
COSPAS-SARSAT ELECTRO GEOSAR PERFORMANCE EVALUATION REPORT

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COSPAS-SARSAT ELECTRO GEOSAR PERFORMANCE EVALUATION REPORT**History**

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1. INTRODUCTION

The Federal State Unitary Enterprise “Lavochkin Association” has installed 406 MHz Search and Rescue (SAR) repeaters on the Electro meteorological geostationary satellite. Because this satellite was still under development when the Cospas-Sarsat GEOSAR demonstration and evaluation programme was conducted, the performance of its SAR instrument had to be evaluated in 2011. In light of this, it was expected that an evaluation be conducted to:

- a. establish Electro GEOSAR / GEOLUT performance;
- b. validate specification and commissioning requirements for GEOLUTs which operate with the Electro GEOSAR payload; and
- c. verify the performance and, if appropriate, commission the current Electro GEOLUT (Moscow) into the Cospas-Sarsat System.

Background

During the period that the GEOSAR D&E was being conducted, new GEOSAR repeaters were developed by EUMETSAT and installed on the MSG meteorological geostationary satellite series. Since the technical characteristics of the MSG SAR instrument were different from SAR instrument on the GOES satellites, additional test were performed to establish MSG GEOSAR/GEOLUT performance, and any special GEOLUT specifications and commissioning requirements. The results of these tests were approved by Cospas-Sarsat in October 2004.

With the deployment of a new 406 MHz GEOSAR payload type onboard Electro satellites by the Russian Federation, there was a need to conduct tests with Cospas-Sarsat GEOLUTs to establish Electro GEOSAR / GEOLUT performance, and any special GEOLUT specification and commissioning requirements. The Cospas-Sarsat Council is expecting that the Electro performance evaluation programme should be based on the technical (T) series of tests defined in the GEOSAR D&E Plan, as amended to address anticipated Electro performance.

The Moscow GEOLUT participated in the Electro GEOSAR performance evaluation programme. The commissioning of the GEOLUT was performed as part of the Electro GEOSAR performance evaluation. The administrations of France and Turkey volunteered to participate in the Electro GEOSAR performance evaluation programme. France and Turkey have also announced that they will provide beacon simulator signals using French beacon simulator for some of the proposed tests.

2. ELECTRO GEOSAR EVALUATION TESTS

2.1 Objectives Completed During the Electro GEOSAR Evaluation Test Campaign

During the main test campaign the following objectives were completed and reported:

- Processing Threshold, System Margin, and Beacon Message Processing Performance (T-1)
- Time to Produce Valid and Confirmed Messages (T-2)
- Carrier Frequency Measurement Accuracy (T-3)
- Electro GEOLUT Channel Capacity (T-4)
- Impact of Interference (T-5)
- Impact of Interference From LEOSAR Satellites (T-6)
- Electro GEOLUT Network Performance (T-7)
- Processing Anomalies (T-8)
- Electro Coverage (T-9)
- Commissioning of the Electro GEOLUT (Moscow) (C-1)

2.2 Test Implementation

The ELECTRO GEOSAR Performance evaluation test campaign was conducted in July 2011 with the participation of Russia, France and Turkey. The part of the test that required the involvement of a beacon simulator was conducted during the period of 4th -12th of July 2011.

The participants to the ELECTRO GEOSAR Performance Evaluation programme were operators of Russia (Moscow) and Turkey (Ankara) GEOLUTs. The Turkey (Ankara) GEOLUT test results are presented at Annex F to this document.

The beacon simulator was brought by France and installed at GEOLUT located in Ankara, Turkey. French team supported the campaign by providing the participants with schedules of upcoming tests, beacon simulator scenarios and the beacon simulator signals.

– END OF SECTION 2 –

3. TEST T-1: PROCESSING THRESHOLD, SYSTEM MARGIN AND BEACON MESSAGE PROCESSING PERFORMANCE

3.1 Test Description

The processing threshold, processing performance and the system margin are "figures of merit" of the GEOLUT.

Processing Threshold

The processing threshold is the value of the minimum carrier to noise density ratio (C/N_0) in dBHz at the GEOLUT processor for which the GEOLUT is able to produce a valid message for 99% of the beacon events (the lower this value the more sensitive the GEOLUT).

System Margin

The system margin is the difference of C/N_0 (in dB) between a nominal beacon, with an EIRP of 37 dBm, and a beacon operating at the GEOLUT processing threshold.

Valid Message Processing Performance

The processing performance requirement documented in document C/S T.009 is that GEOLUTs should be capable of producing valid messages within 5 minutes of beacon activation 95% of the time, for all beacon signals whose C/N_0 as measured at the GEOLUT is greater than 26 dB-Hz. This test will determine the C/N_0 , for which the Electro GEOLUT can produce a valid message for beacon event within 5 minutes of beacon activation 95% of the time.

Long Message Processing Performance

At present Cospas-Sarsat has no GEOLUT specification requirement in respect of producing complete and confirmed long messages. Nevertheless, with the increased use of location protocol beacons using the long message format, it was necessary to assess the Electro system performance in this regard.

The test was performed and analyzed according to the document C/S R.016. To optimize the beacon simulator workload and tighten the campaign schedule the minimum value of EIRP was set to 28 dBm instead of 26 dBm.

3.2 Test Results

Based on the data collected (please refer to Annex A “GEOLUT Data Collected for Objectives T-1, T-2, and T-3”) a set of results for each EIRP level was obtained. The results are shown in Tables 3-1 and 3-2.

EIRP from simulator (dBm)	Calculated C/N ₀ at GEOLUT (dBHz)	Number of Beacon Events Used (Valid Msg Sample Set)	Number of Beacon Events for which		Probability of Valid Message	Probability of Valid Message within 5 min
			Valid Message was Produced	Valid Message was Produced within 5 min		
38	38.5	50	50	50	1	1
37	37.5	50	50	50	1	1
36	36.5	50	50	50	1	1
35	35.5	50	50	50	1	1
34	34.5	50	50	50	1	1
33	33.5	50	50	50	1	1
32	32.5	50	50	50	1	1
31	31.5	50	50	50	1	1
30	30.5	50	50	50	1	1
29	29.5	50	50	50	1	1
28	28.5	50	50	43	1	0,86

Table 3-1: Analyzed Results for T-1 Objective (Valid Messages Produced)

EIRP from simulator (dBm)	Number of Beacon Events Used (Complete Msg Sample Set)	Number of Beacon Events Used (Confirmed Complete Msg Sample Set)	Number of Beacon Events for which a Complete Message was Produced	Number of Beacon Events for which a Confirmed Complete Message was Produced	Probability of Complete / Confirmed Complete Msg
38	50	50	50	50	1/1
37	50	50	50	50	1/1
36	50	50	50	50	1/1
35	50	50	50	50	1/1
34	50	50	50	50	1/1
33	50	50	50	50	1/1
32	50	50	50	50	1/1
31	50	50	50	50	1/1
30	50	50	50	50	1/1
29	50	50	50	50	1/1
28	50	50	50	13	1/0,9

Table 3-2: Analyzed Results for T-1 Objective (Confirmed Complete Messages)

3.3 Processing Threshold and Message Processing Performance

Processing threshold and System Margin, Valid Message Processing Performance and Long Message Processing performance graphs are depicted on Figures 3-1, 3-2 and 3-3 respectively.

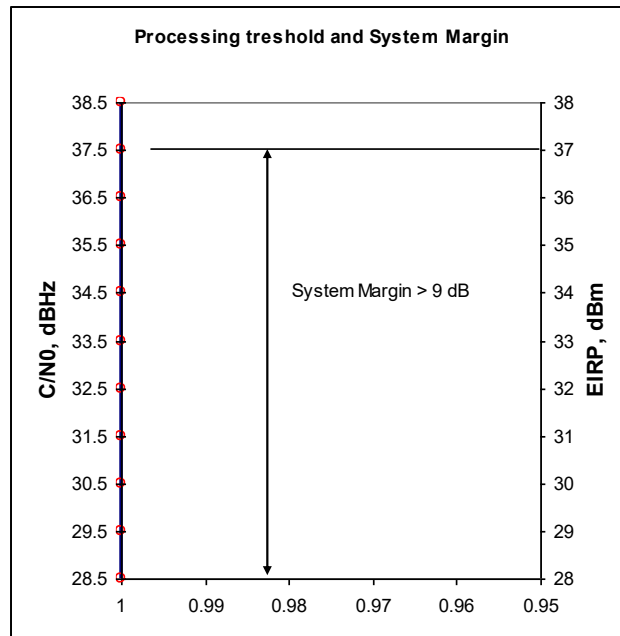


Figure 3-1: Processing Threshold and System Margin

As seen on Figure 3-1 the processing threshold has not been reached during the test. The System Margin parameter is therefore greater than 9 dBm.

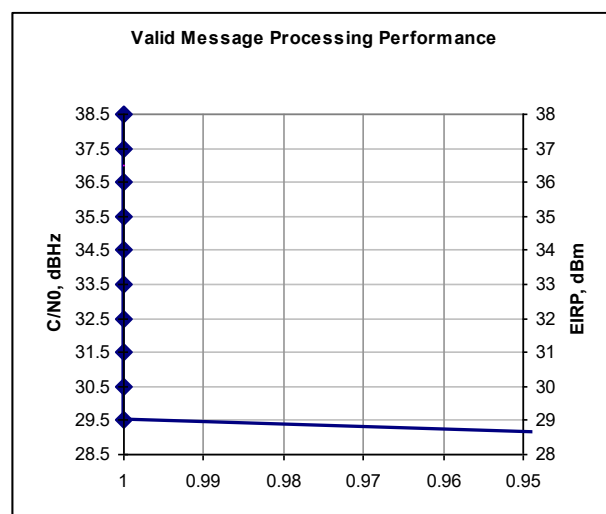


Figure 3-2: Valid Message Processing Performance

As seen on Figure 3-2 the valid Message Processing Performance parameter estimates to 28.5 dBm (EIRP).

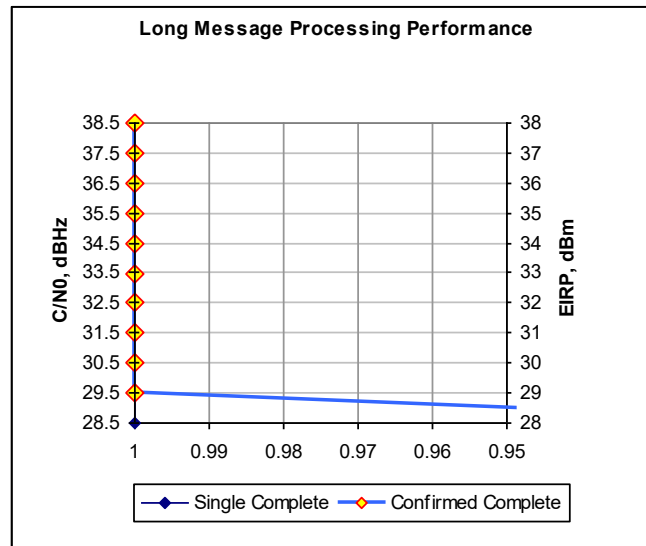


Figure 3-3: Long Message Processing Performance

Also, data depicted on Figure 3-3 shows that Single Complete Message Processing Performance parameter could not be found as it was not reached during the test. Confirmed Complete Message Processing performance, however, estimates to 28.5 dBm (EIRP).

– END OF SECTION 3 –

4. TEST T-2: TIME TO PRODUCE VALID, COMPLETE AND CONFIRMED MESSAGES

4.1 Test Description

This test assesses how long it takes GEOLUTs operating with the Electro satellite to produce valid beacon messages, complete long messages, and confirmed complete long messages. This information was used to validate message processing requirements for GEOLUTs which operate with the Electro satellite, and to determine a figure of merit for the number of bursts required to successfully process a message.

The test was performed and analyzed in accordance with document C/S R.016.

4.2 Test Results

Based on the data collected (refer to Annex A “GEOLUT Data Collected for Objectives T-1, T-2, and T-3”) a set of results for each EIRP level was obtained. The results are shown in Tables 4-1 and 4-2.

EIRP (dBm)	C/N ₀ (dBHz)	ATVM (Sec)	Standard Deviation of ATVM	ATCM (Sec)	Standard Deviation of ATCM	ATCCM (Sec)	Standard Deviation of ATCCM
38	37	3,24	15,6818	3,24	15,6818	53,24	15,681785
37	36	2,24	9,89743	2,24	9,89743	52,24	9,8974343
36	35	2,24	9,89743	2,24	9,89743	54,24	13,702375
35	34	2,24	14,1421	2,24	14,1421	52,24	14,142136
34	33	1,24	7,07107	1,24	7,07107	54,24	17,023393
33	32	1,24	7,07107	1,24	7,07107	55,24	18,210785
32	31	29,24	32,0873	43,24	31,9598	122,24	63,213277
31	30	22,24	35,2252	25,24	35,3553	100,24	80,812203
30	29	33,24	32,9037	49,24	46,828	167,24	135,75563
29	28	9,24	19,4044	31,24	58,8061	179,24	136,6845
28	27	137,24	124,871	179,24	201,041	424,684	300,68524

Table 4-1: Analyzed Data for Objective T-2 (ATVM, ATCM, ATCCM)

EIRP (dBm)	C/N ₀ (dBHz)	95 th Percentile			98 th Percentile		
		Valid Msg (Sec)	Complete Msg (Sec)	Confirmed Msg (Sec)	Valid Msg (Sec)	Complete Msg (Sec)	Confirmed Msg (Sec)
38	37	3,08	3,078	50,6	3,2	3,2	52
37	36	2,13	2,128	49,6	2,2	2,2	51
36	35	2,13	2,128	51,5	2,2	2,2	53
35	34	2,13	2,128	49,6	2,2	2,2	51
34	33	1,18	1,178	51,5	1,2	1,2	53
33	32	1,18	1,178	52,5	1,2	1,2	54
32	31	27,8	41,08	116	29	42	120
31	30	21,1	23,98	95,2	22	25	98
30	29	31,6	46,78	159	33	48	164
29	28	8,78	29,68	170	9,1	31	176
28	27	130	170,3	403	134	176	416

Table 4-2: Analyzed Data for Objective T-2 (95th and 98th Percentiles)

The graphs depicting time processing performance for valid, complete, confirmed messages and their corresponding 95th and 98th percentiles are shown on Figure 4-1.

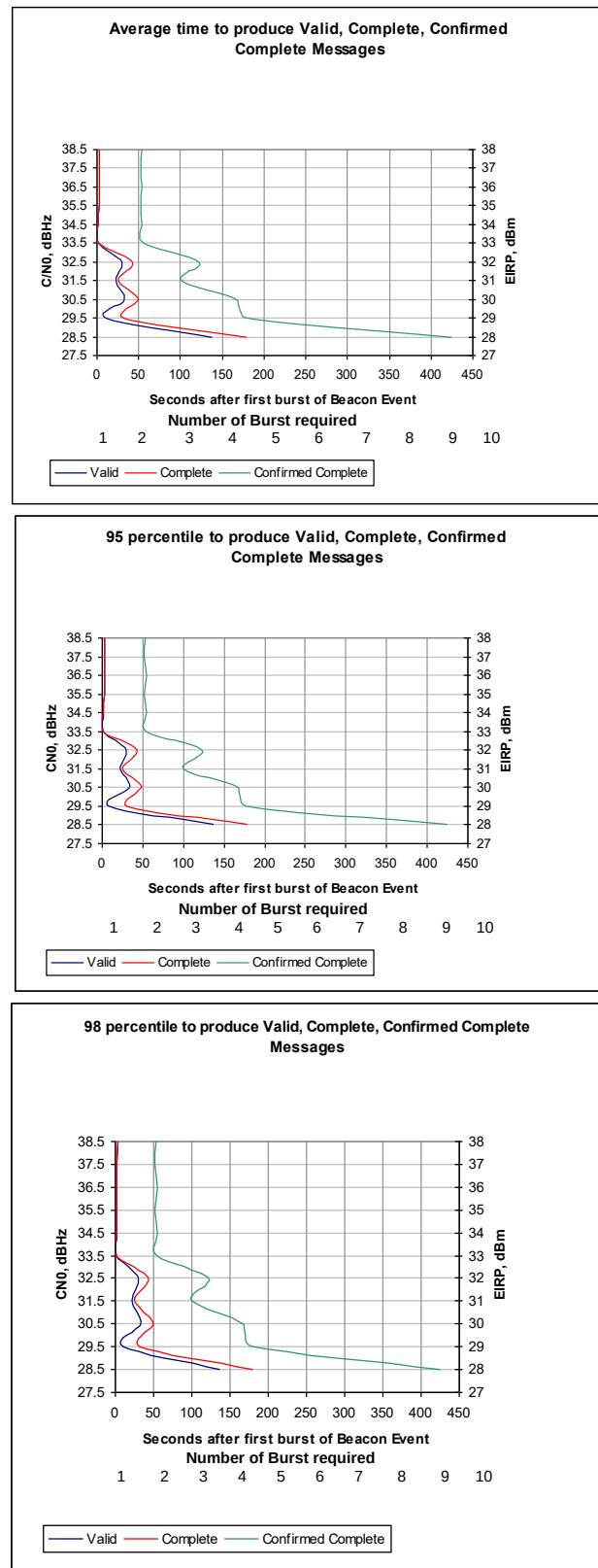


Figure 4-1: Time Processing Performance for Valid, Complete, Confirmed Messages and their Corresponding 95th and 98th Percentiles

– END OF SECTION 4 –

5. TEST T-3: CARRIER FREQUENCY MEASUREMENT ACCURACY

5.1 Test Description

The purpose of this test is to assess how accurately the beacon carrier frequency can be measured by the Electro GEOSAR / GEOLUT system. This is accomplished by comparing the beacon's carrier frequency for each valid message as measured by the GEOLUT with the known frequency value for the same beacon, provided by the beacon simulator operator. The current GEOLUT specification (C/S T.009) requires a frequency measurement accuracy of 2 Hz (standard deviation).

The test was performed and analyzed in accordance with document C/S R.016.

5.2 Test Results

Based on the data collected (refer to Annex A “GEOLUT Data Collected for Objectives T-1, T-2, and T-3”) a set of results for each EIRP level was obtained. The results are shown in Table 5-1.

EIRP (dBm)	Calculated C/N ₀ at GEOLUT (dBHz)	Avg Freq Measurement Error (Hz)	Std Deviation of Error (Hz)
38	37	0.081	0.03
37	36	0.071	0.04
36	35	0.068	0.042
35	34	0.073	0.04
34	33	0.076	0.037
33	32	0.073	0.044
32	31	0.06	0.057
31	30	0.064	0.061
30	29	0.116	0.051
29	28	0.209	0.049
28	27	0.25	0.086

Table 5-1: Analyzed Data for Objective T-3

Graphs depicting frequency measurement performance are shown on Figure 5-1.

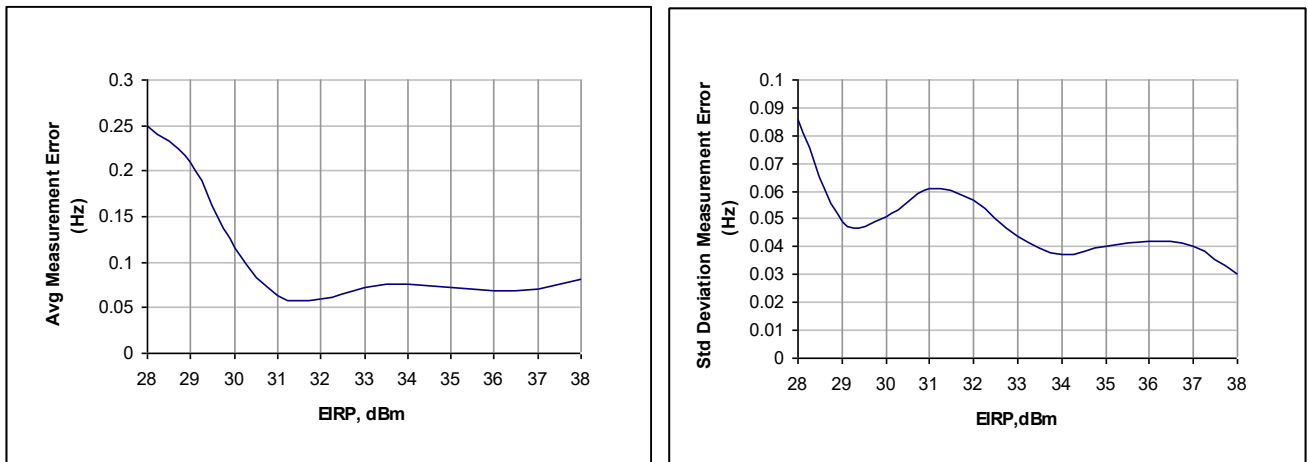


Figure 5-1: Average Frequency Measurement Error and Standard Deviation Frequency Error Graphs

– END OF SECTION 5 –

6. TEST T-4: ELECTRO GEOLUT CHANNEL CAPACITY

6.1 Test Description

The capacity in Cospas-Sarsat GEOSAR systems is the number of 406 MHz distress beacons operating simultaneously in the field of view of a GEOSAR satellite, that can be successfully processed by the System to provide a valid beacon message, under nominal conditions, within 5 minutes of beacon activation 95% of the time, and the number of beacons that can be successfully processed within 10 minutes of beacon activation 98% of the time. The applicable nominal conditions are described in document C/S T.012, “Cospas-Sarsat 406 MHz Frequency Management Plan”, except that the uplink EIRP was set to 34 dBm.

The test was performed and analyzed in accordance with document C/S R.016.

6.2 Test Results

Data collected for this test is presented at Annex B “GEOLUT Data Collected for Objective T-4”. From the data collected a summary table (Table 6-1) was produced.

Channel 406.0595

# of Active Bcn Events	% Valid Msg within 5 Min	% Valid Msg Within 10 Min	% Valid Msg within 15 Min	% Confirmed Complete Msg within 15 Min
15	100	100	100	100
20	97,5	100	100	98,5
25	83,88	97,6	99,6	96
30	89,33	99	100	94,33

Table 6-1: Summary Table for Objective T-4

The graph depicting ELECTRO GEOLUT channel capacity performance curves is shown on Figure 6-1. It also depicts the number of active beacons corresponding to the 95th percentile of the 5 minute curve and the 98th percentile of the 10 minute curve. Since the capacity of the channel must satisfy both the 5 and 10 minute criteria, the lower of these two figures is the channel capacity which, according to graph, equals to 21 active beacons.

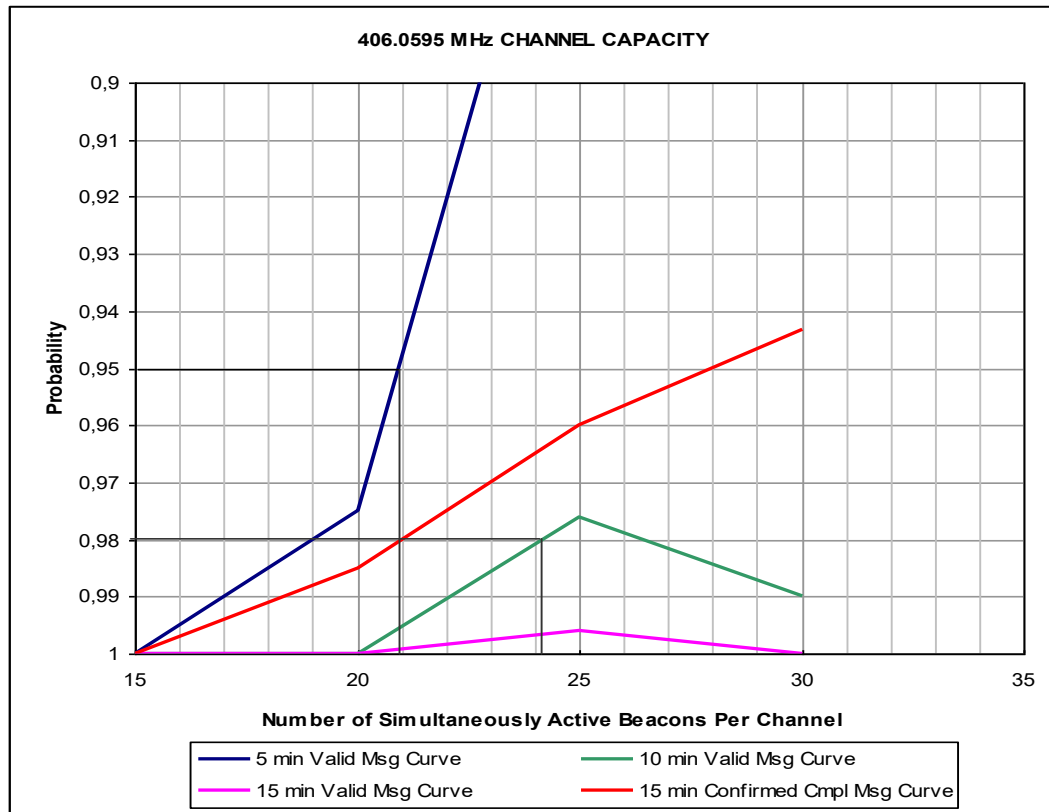


Figure 6-1: 406.0595 MHz Channel Capacity

– END OF SECTION 6 –

7. TEST T-5: IMPACT OF INTERFERENCES

7.1 Test Description

The purpose of this objective is to determine the ability of the GEOSAR system to provide valid messages in the presence of interference and noise.

7.2 Test Results

The presence of significant interferences in Electro-L downlink spectrum was analyzed during the testing campaign in July 2011. The radiations of beacon simulator and operational beacons as monitored at Moscow GEOLUT were not affected by any interferences that required recording and assessing. However, many short pulse emissions were registered beyond the operational band. The probability of affecting GEOLUT valid message performance by these interferences is anticipated to be not substantial and the detailed examination was not formally performed during the test campaign.

– END OF SECTION 7 –

8. TEST T-6: IMPACT OF INTERFERENCE FROM LEOSAR SATELLITES

8.1 Test Description

The purpose of this objective is to analyze and quantify the impact that Cospas-Sarsat LEOSAR satellite downlink transmissions have on the ability of Electro GEOLUTs to process beacon signals. The impact of interference from LEOSAR satellite downlink transmissions is assessed by activating beacon events at regular intervals over extended periods of time. The performance of the GEOLUT to produce valid and confirmed messages for these beacon events during periods when the GEOLUT was within, and periods when not within a LEOSAR satellite footprint, is analyzed.

The test was performed and analyzed in accordance with document C/S R.016.

8.2 Test Results

The data collected for this objective is included in Annex C (“GEOLUT Data Collected for Objective T-6”). Using the data collected an impact of possible interferences from LEOSAR has been assessed and the results are outlined below. Overall, beacon simulator has produced 272 beacon events during 48 hours period. For 3 beacon events GEOLUT was unable to produce the confirmed complete messages.

- a) The histogram depicting GEOLUT performance to produce valid messages during periods when GEOLUT was and was not in the footprint of LEOSAR satellites also as GEOLUT cumulative probability of production valid messages for both sample sets are shown on Figure 8-1.

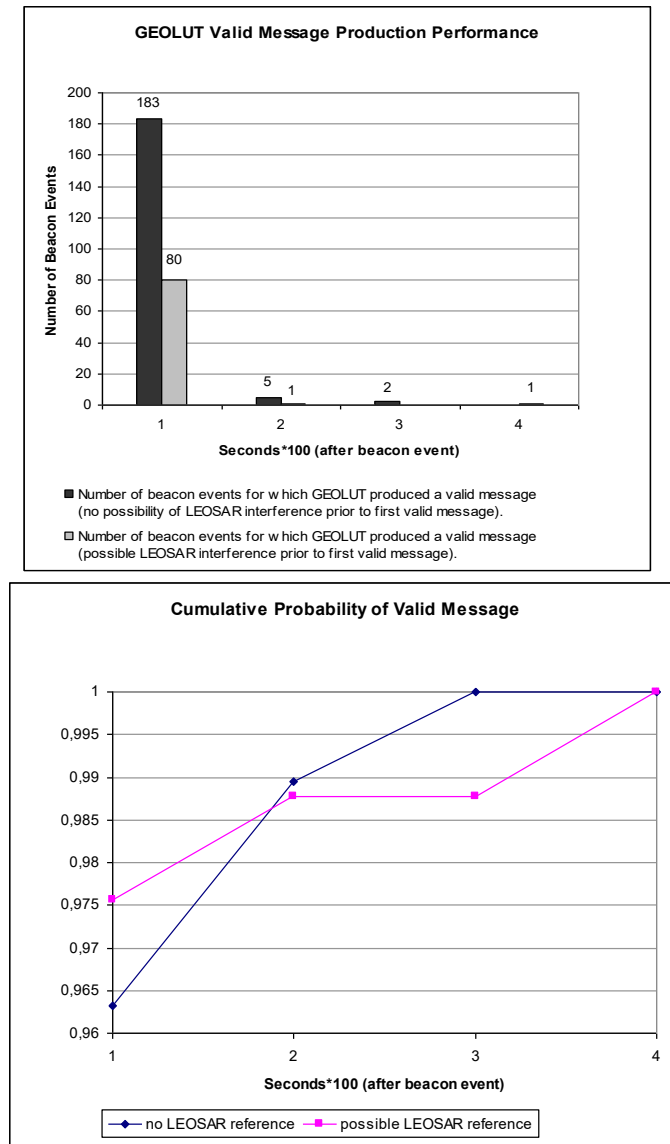


Figure 8-1: A GEOLUT Valid Message Production Performance and Cumulative Probability Depending on the Presence of Possible LEOSAR Interferences

- b) The mean (M) and standard deviation (ST) for the time to produce valid messages for both sample sets are calculated:

No LEOSAR reference	M = 8.71 sec
	ST = 33.125 sec
Possible LEOSAR REFERENCE	M = 8.88 sec
	ST = 36.56 sec

- c) The histogram depicting GEOLUT performance to produce confirmed complete messages during periods when GEOLUT was and was not in the footprint of LEOSAR satellites also as a GEOLUT cumulative probability of production confirmed complete messages for both sample sets are shown on Figure 8-2.

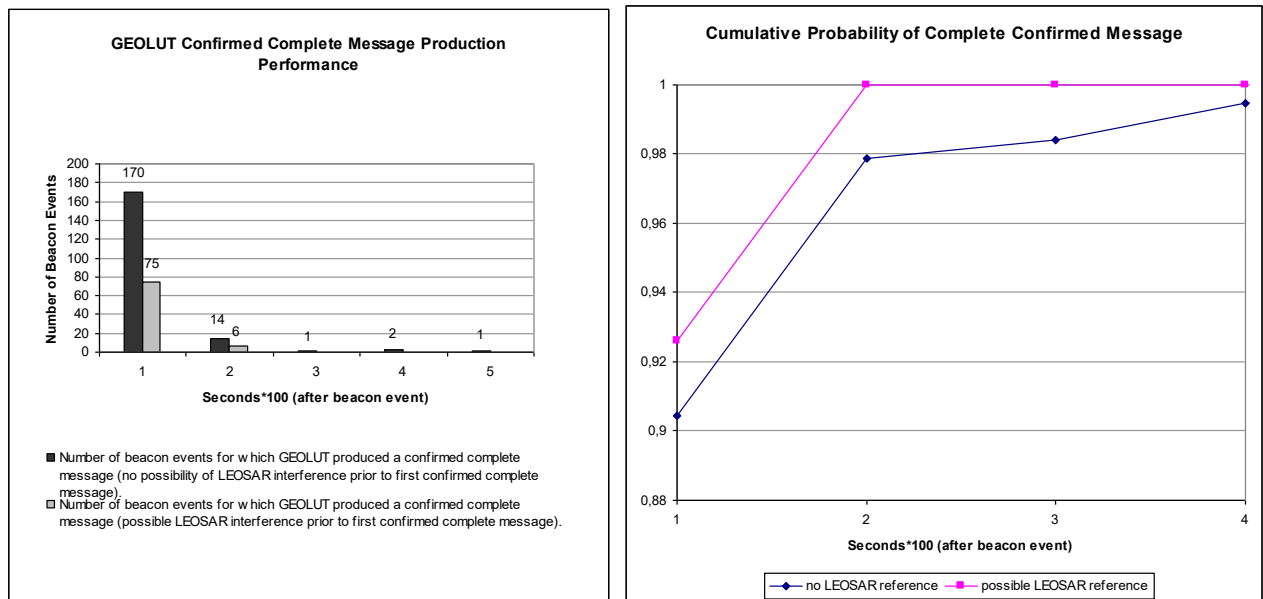


Figure 8-2: The GEOLUT Confirmed Complete Message Production Performance and Cumulative Probability Depending on the Presence of Possible LEOSAR Interferences

- d) The mean (M) and standard deviation (ST) for the time to produce confirmed complete messages for both sample sets are calculated:

No LEOSAR reference M = 63.03 sec
ST = 45.1 sec

Possible LEOSAR REFERENCE M = 57.18 sec
ST = 22.35 sec

- e) The graph depicting the C/N_0 , as measured by the GEOLUT to produce the first valid message for each beacon event, plotted against the time since the start of the test is shown on Figure 8-3.

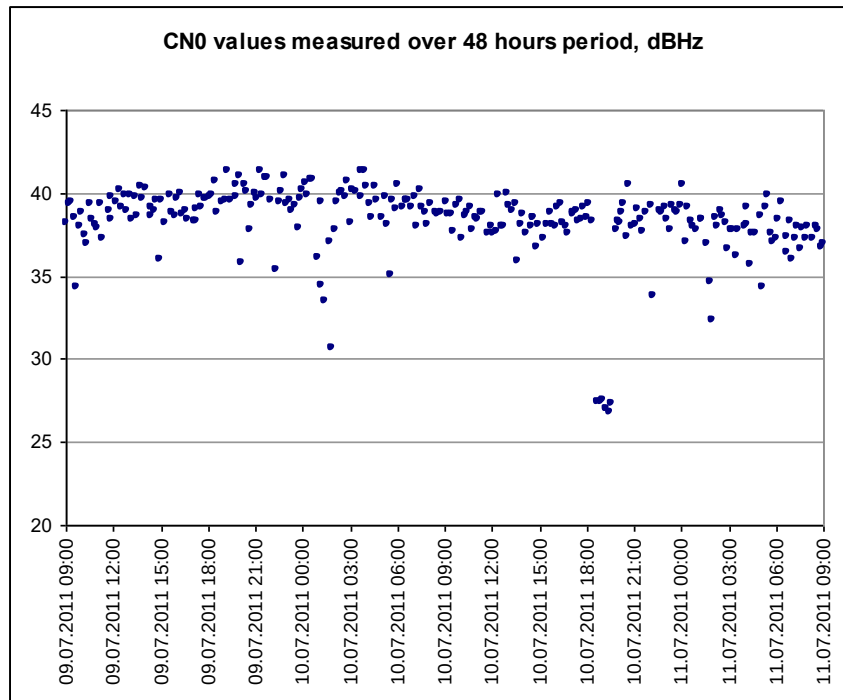


Figure 8-3: C/N₀ Values over Time During the Test

– END OF SECTION 8 –

9. TEST T-7: GEOLUT NETWORK PERFORMANCE

9.1 Test Description

There is a requirement to confirm that the Electro GEOSAR system comprised of the GEOSAR satellite and the network of GEOLUTs which track it will provide reliable and timely 406 MHz alerts even if one or more of the Electro GEOLUTs were unavailable due to interference from LEOSAR downlink transmissions.

9.2 Test Results

Although the results of this test may not be necessarily included in the participant report, Russian Federation volunteered to consolidate and analyze Moscow GEOLUT (RUGEO) and Ankara GEOLUT (TRGEO) T-6 objective data as per document C/S R.016 requirements prior to the experts review at Joint committee meeting.

As one of the priorities of the T-7 test is to determine the earliest time of whichever GEOLUT has produced first valid and first confirmed complete messages the “earliest time” event is hereafter determined by comparison of participants data sets with 2 seconds accuracy due to time synchronization issues. The table containing GEOLUT Network performance data is provided at Annex E. The GEOLUT Network performance graph based on the data recorded is depicted on Figure 9-1.

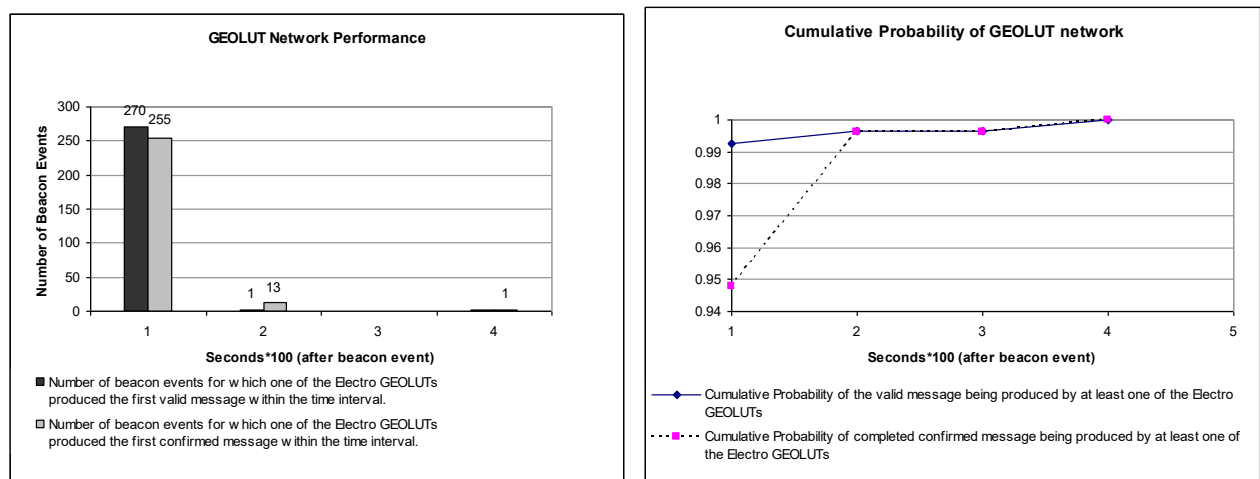


Figure 9-1: GEOLUT Network Performance and Cumulative Probability

The mean (M) time and standard deviation (ST) for the Electro GEOSAR system to produce valid and confirmed complete messages are calculated:

Time to produce valid messages:

M = 2.63 sec
ST = 19.5 sec

Time to produce confirmed complete messages

M = 55.34 sec
ST = 23.8 sec

– END OF SECTION 9 –

10. TEST T-8: PROCESSING ANOMALIES

10.1 Test Description

This test assesses GEOLUT performance in respect of its ability to suppress the number of processing anomalies produced. This test is conducted by monitoring the 406 MHz channel (406.022 MHz) used by Cospas-Sarsat reference beacons, and noting instances where the GEOLUT produced valid beacon messages which did not correspond to any of the reference beacons in the coverage area of the Electro satellite.

The test was performed and analyzed in accordance with document C/S R.016.

10.2 Test Results

A list of reference beacons that operate in the footprint of Electro on constant basis is provided in Table 10-1.

Identification	Lat. / Long.	Location	Elevation (metres)	Time Interval (secs)	Transmit Frequency (MHz)
9C60000000000001	43°33.60' N 001°28.80' E	Toulouse	214.27	30	406.022000
9C7FEC2AACD3590	49°21.09' S 070°15.36' E	Kerguelen	80	30	406.021856

Table 10-1: List of Reference/Orbitography Beacons Selected for Objective T-8

The monitoring of 406 MHz has been made during the period of 01.06.2011 – 01.07.2011 and all the instances of GEOLUT producing a processing anomaly was recorded. The summary table with the mentioned four week period is given below (Table 10-2).

15 Hex ID Produced by GEOLUT	15 Hex ID of Associated Reference Beacon	Beacon Message Produced by GEOLUT (30 Hex ID)	Date/Time	LUT in LEO FOOTPRINT (Y/N)
8C6841000400001	9C6000000000001	C63420800200000DBF2DD01457A653	17.06.2011 01:45:29	N
4E3FF6155669AC8	9C7FEC2AACD3590	271FFB0AAB34D64373CAC000000000	18.06.2011 08:27:07	N
4E3FF6155669AC8	9C7FEC2AACD3590	271FFB0AAB34D64373CAC000000000	21.06.2011 01:53:47	Y
D86000000060001	9C6000000000001	EC3000000030000DB10E001D5D9170	23.06.2011 22:16:59	Y
4E3FF6155669AC8	9C7FEC2AACD3590	271FFB0AAB34D64373CAC000000000	24.06.2011 08:13:41	N
4E3FF6155669AC8	9C7FEC2AACD3590	271FFB0AAB34D64373CAC000000000	26.06.2011 04:56:59	N
9C6108000800040	9C6000000000001	CE30840004000205FD0C447E486012	26.06.2011 09:04:59	N

**Table 10-2: Processing Anomalies Produced by GEOLUT
over four Week Period (01.06.11-01.07.11)**

The processing anomaly (PA₁) rate as a function of beacon bursts in the coverage area of the Electro satellite has been calculated using the equation:

$$PA_1 = \left(\frac{\text{TotalNumber of PAs}}{\text{Number of Days Observed} * \text{Number of Reference Beacon Bursts per Day in ElectroCoverage Area}} \right)$$

Thus,

$$PA_1 = 0.00006$$

The processing anomaly (PA₂) rate as a function of beacon bursts in the coverage area of the Electro satellite when the GEOLUT is in the footprint of a LEOSAR satellite has been calculated using the equation:

$$PA_2 = \left(\frac{\text{TotalNumber of PAs during LEO Cov}}{\text{TotalDuration of LEO Cov in Days} * \text{Number of Reference Beacon Bursts per Day in ElectroCoverage Area}} \right)$$

Finally,

$$PA_2 = 0.0002$$

11. TEST T-9: ELECTRO COVERAGE

11.1 Test Description

The coverage of the Electro GEOSAR system was evaluated by acknowledging real beacon alerts detected by the LEOSAR system, and assessing if the same alerts were detected by the Electro GEOSAR system. All the LEOSAR alerts detected that satisfy the criteria for inclusion (i.e., situated within an area enclosed by 80° latitude and longitude) have been recorded. Each beacon event in the sample set was further checked to determine if it was also detected by the Electro GEOLUT. Then beacon events were grouped into geographic areas of 10° latitude/longitude blocks and for each block the percentage of LEOSAR beacon events that were also detected by the GEOLUT have been calculated. All data collected is included in Annex D (“GEOLUT Data Collected for Objective T-9”).

Using recorded data two maps have been produced:

- a) The map depicting each beacon event that was detected by the LEOSAR and also by the Electro GEOLUT
- b) The map depicting each beacon event that was only detected by the LEOSAR system only (Moscow LEOLUT data has been use for this objective).

These maps are shown on Figure 11-1 (the centre point corresponds to Electro 76° east subsatellite point).

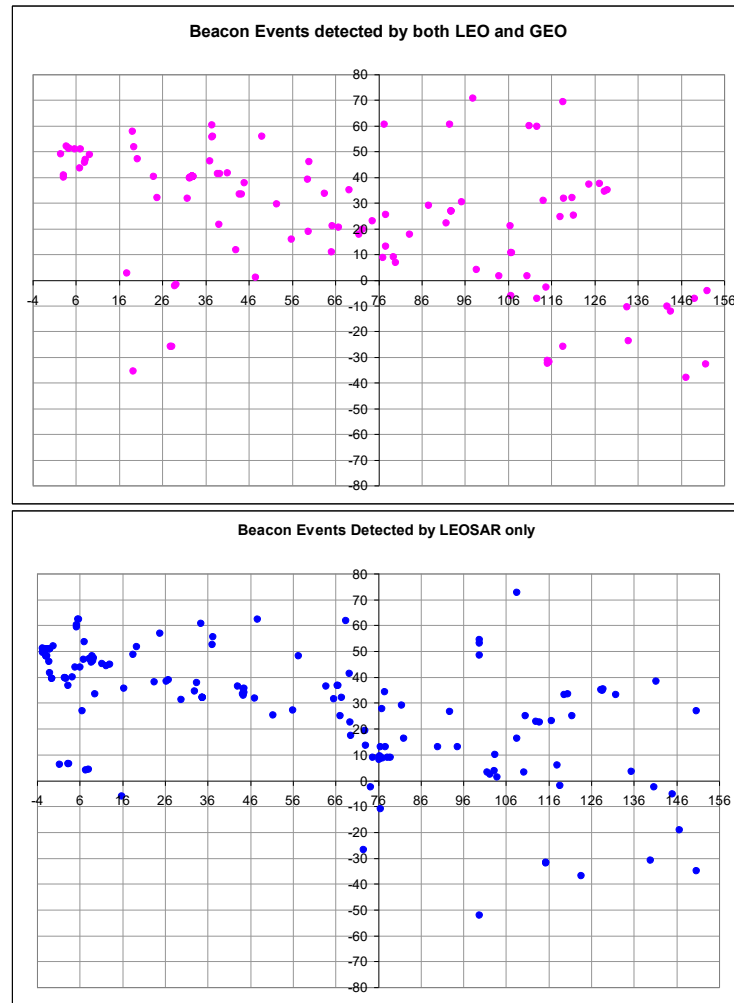


Figure 11-1: Two Maps of Data Collected for Objective T-9

– END OF SECTION 11 –

12. TEST C-1: COMMISSIONING OF THE ELECTRO GEOLUT**12.1 Test Description**

As part of the ELECTRO GEOSAR evaluation program the Moscow GEOLUT was tested in accordance with the commissioning requirements detailed in document C/S T.010 “Cospas-Sarsat GEOLUT Commissioning Standard” in order to verify the compliance of the Electro GEOLUT to the “Cospas-Sarsat GEOLUT performance specification and design guidelines” specified in document C/S T.009. Moscow GEOLUT has been tested during ELECTRO GEOSAR Performance Evaluation main test campaign on 8th of July 2011.

A full report on the Moscow GEOLUT commissioning test is not included in this report and will be submitted separately to Cospas-Sarsat Secretariat for approval. Instead, the summary of test results is outlined in Table 12-1.

Paragraph in C/S T.009	Requirement or Test	Pass Criteria	Result	Pass/Fail	Method of Compliance	Declaration/Verification or Comments
3.1	GEOLUT Data Availability	$A \geq 0.95$	1	Pass	M	
3.2	Data requirements	C/S T.009 refers	N/A	Pass	V	
3.3	Satellite tracking capability	L=0 BW	N/A	Pass	D D	GEOLUT is expected to continuously receive downlink signal from Electro-L GEOLUT is capable of processing full bandwidth (100 KHz)
3.4	Satellite visibility	$EL \geq 5^\circ$	18.1 °	Pass	V	Electro-L elevation angle off GEOLUT location
3.5	Status and Alarm Reporting	C/S T.009 refers	N/A	Pass	D	
3.6	RF Radiation and emissions	C/S T.009 refers	N/A	Pass	V	GEOLUT does not radiate any frequencies that may interfere with proper functioning of Cospas-Sarsat System
3.7	Interference	C/S T.009 refers	N/A	Pass	V	Occasionally, the bandwidth may be strongly affected with interferences, hopefully they slightly impede the processing performance

Paragraph in C/S T.009	Requirement or Test	Pass Criteria	Result	Pass/Fail	Method of Compliance	Declaration/Verification or Comments
3.8	Data Archiving	C/S T.009 refers	N/A	Pass	D	
3.9	QMS support capability	C/S T.009 refers	N/A	Pass	D	Kerguelen reference beacon is used for QMS support purposes
4.1.1	Antenna and RF Subsystem	C/S T.009 refers	N/A	Pass	V	
4.1.2	Time and frequency reference subsystems	TA≤10 msec FS≥5x109 (15 mins)	N/A	Pass	D	TA = Time Accuracy FS = Frequency Stability
4.1.3	MCC Interface	C/S T.009 refers	N/A	Pass	V	
See Paragraph 2.2.4.B to C/S T.001	Bit Rate Tolerance check	M/N >0/75	N/A	Pass	M	GEOLUT failed to recover PDF-2 field in first beacon message due to interference and transmitted confirmed incomplete message to CMC. Subsequently, a confirmed complete message has been transmitted to CMC.
4.2.2	Beacon Message Recovery Test MR1	See Annex C to C/S T.010		Pass	M	
	Beacon Message Recovery Test MR2	See Annex C to C/S T.010			M	
4.2.3	Bit Verification Test BV1	See Annex C to C/S T.010		Pass	M	
	Bit Verification Test BV2	See Annex C to C/S T.010			M	
	Bit Verification Test BV3	See Annex C to C/S T.010			M	
4.2.4	Beacon Message Validation Test MV1	See Annex C to C/S T.010		Pass	M	

Paragraph in C/S T.009	Requirement or Test	Pass Criteria	Result	Pass/Fail	Method of Compliance	Declaration/Verification or Comments
4.2.5	Beacon Message Processing Test MP1	See Annex C to C/S T.010		Pass	M	
4.2.6	Redundant Alert Data	C/S T.009 refers		Pass	M	
4.2.7	Updated Location Data	C/S T.009 refers		Pass	M	
4.2.8	Bit Shifted Beacon Messages	0	0	Pass	D	GEOLUT did not produce bit shifted messages
4.2.9	Special National Processing Requirements	C/S T.009 refers		Pass	D	Special national requirements do not affect international operational data quality
5.1	Processing Performance Test PP1	C/S T.009 refers		Pass	M	25 out of 25 unique beacons have been processed and corresponding messages sent to CMC
5.2	Frequency Measurement	95% of Alerts ≤ 2 Hz	<1 Hz	Pass	M	
5.3	Capacity	20 beacons	21	Pass	V	Refer to test T-4 results included in ELECTRO GEOSAR Performance evaluation report
5.4	Processing Anomalies	See Annex C to C/S T.010		Pass	V	
5.5	Downlink Fading	LM >0 dB		Pass	V	

M-Measurement, D-Declaration, and V-Verification

Table 12-1: The Summary of GEOLUT Commissioning Test Results

– END OF SECTION 12 –

**ANNEXES TO
COSPAS-SARSAT
ELECTRO GEOSAR PERFORMANCE
EVALUATION REPORT**

ANNEX A**GEOLUT DATA COLLECTED FOR OBJECTIVES T-1, T-2, AND T-3****A.1 Introduction**

This annex provides a description of the data recorded for each beacon event transmitted by the simulator for objectives T-1, T-2, and T-3. This information provides the foundation for the analysis and conclusions provided in the body of the report.

The tables below combine information obtained from the simulator operator, with data collected from the GEOLUT under test. For each run of a simulator that corresponds to the specific EIRP a separate table is produced. Each row in these tables represents a single beacon event. All times are in GMT+3.

EIRP (dBm) = 38 Date/time of First Burst in TestScript Run 1: 07.07.2011 19:10:01 (GMT+3) Test Script # 6138									
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)	Calibrated Freq Measured by GEOLUT for first Valid Message (Hz)
9C5C00004000038	07.07.2011 19:10:01	07.07.2011 19:11:41	35.87	07.07.2011 19:11:41	35.87	07.07.2011 19:12:31	38.28	406059000	406059000.067756
9C5C00008000038	07.07.2011 19:10:02	07.07.2011 19:10:02	39.73	07.07.2011 19:10:02	39.73	07.07.2011 19:10:52	40.45	406059100	406059100.102412
9C5C00012000038	07.07.2011 19:10:03	07.07.2011 19:10:03	38.48	07.07.2011 19:10:03	38.48	07.07.2011 19:10:53	38.63	406059200	406059200.108169
9C5C00016000038	07.07.2011 19:10:04	07.07.2011 19:10:04	39.71	07.07.2011 19:10:04	39.71	07.07.2011 19:10:54	39.25	406059300	406059300.056127
9C5C00020000038	07.07.2011 19:10:05	07.07.2011 19:10:05	39.09	07.07.2011 19:10:05	39.09	07.07.2011 19:10:55	40.6	406059400	406059400.047434
9C5C00024000038	07.07.2011 19:10:06	07.07.2011 19:10:06	38.85	07.07.2011 19:10:06	38.85	07.07.2011 19:10:56	39.45	406059500	406059500.096539
9C5C00028000038	07.07.2011 19:10:07	07.07.2011 19:10:07	39.87	07.07.2011 19:10:07	39.87	07.07.2011 19:10:57	39.29	406060000	406060000.067525
9C5C00032000038	07.07.2011 19:10:08	07.07.2011 19:10:08	37.75	07.07.2011 19:10:08	37.75	07.07.2011 19:10:58	39.25	406059900	406059900.061768
9C5C00036000038	07.07.2011 19:10:09	07.07.2011 19:10:09	39.08	07.07.2011 19:10:09	39.08	07.07.2011 19:10:59	39.17	406059800	406059800.084910
9C5C00040000038	07.07.2011 19:10:10	07.07.2011 19:10:10	39.58	07.07.2011 19:10:10	39.58	07.07.2011 19:11:00	39.28	406059700	406059700.064704
9C5C00044000038	07.07.2011 19:10:11	07.07.2011 19:10:11	39.58	07.07.2011 19:10:11	39.58	07.07.2011 19:11:01	39.31	406059600	406059600.116746
9C5C00048000038	07.07.2011 19:10:12	07.07.2011 19:10:12	39.55	07.07.2011 19:10:12	39.55	07.07.2011 19:11:02	40.01	406059500	406059500.053191
9C5C00052000038	07.07.2011 19:10:13	07.07.2011 19:10:13	39.13	07.07.2011 19:10:13	39.13	07.07.2011 19:11:03	39.73	406059000	406059000.111105
9C5C00056000038	07.07.2011 19:10:14	07.07.2011 19:10:14	39.53	07.07.2011 19:10:14	39.53	07.07.2011 19:11:04	39.65	406059100	406059100.087962
9C5C00060000038	07.07.2011 19:10:15	07.07.2011 19:10:15	39.09	07.07.2011 19:10:15	39.09	07.07.2011 19:11:05	38.17	406059200	406059200.093719
9C5C00064000038	07.07.2011 19:10:16	07.07.2011 19:10:16	39	07.07.2011 19:10:16	39	07.07.2011 19:11:06	38.61	406059300	406059300.157274
9C5C00068000038	07.07.2011 19:10:17	07.07.2011 19:10:17	39.27	07.07.2011 19:10:17	39.27	07.07.2011 19:11:07	38.58	406059400	406059400.061884
9C5C00072000038	07.07.2011 19:10:18	07.07.2011 19:11:08	39.78	07.07.2011 19:11:08	39.78	07.07.2011 19:11:58	38.28	406059500	406059500.082090
9C5C00076000038	07.07.2011 19:10:19	07.07.2011 19:10:19	39.99	07.07.2011 19:10:19	39.99	07.07.2011 19:11:09	38.82	406060000	406060000.154222
9C5C00080000038	07.07.2011 19:10:20	07.07.2011 19:10:20	39.45	07.07.2011 19:10:20	39.45	07.07.2011 19:11:10	39.4	406059900	406059900.105117
9C5C00084000038	07.07.2011 19:10:21	07.07.2011 19:10:21	38.71	07.07.2011 19:10:21	38.71	07.07.2011 19:11:11	39.23	406059800	406059800.142709
9C5C00088000038	07.07.2011 19:10:22	07.07.2011 19:10:22	34.42	07.07.2011 19:10:22	34.42	07.07.2011 19:11:12	38.19	406059700	406059700.050254
9C5C00092000038	07.07.2011 19:10:23	07.07.2011 19:10:23	39.66	07.07.2011 19:10:23	39.66	07.07.2011 19:11:13	39.53	406059600	406059600.073397
9C5C00096000038	07.07.2011 19:10:24	07.07.2011 19:10:24	39.1	07.07.2011 19:10:24	39.1	07.07.2011 19:11:14	38.36	406059500	406059500.053191
9C5C00100000038	07.07.2011 19:10:25	07.07.2011 19:10:25	39.64	07.07.2011 19:10:25	39.64	07.07.2011 19:11:15	38.98	406059000	406059000.125554
9C5C00104000038	07.07.2011 19:10:26	07.07.2011 19:10:26	39.23	07.07.2011 19:10:26	39.23	07.07.2011 19:11:16	39.51	406059100	406059100.073513
9C5C00108000038	07.07.2011 19:10:27	07.07.2011 19:10:27	38.46	07.07.2011 19:10:27	38.46	07.07.2011 19:11:17	39.46	406059200	406059200.108169
9C5C00112000038	07.07.2011 19:10:28	07.07.2011 19:10:28	38.45	07.07.2011 19:10:28	38.45	07.07.2011 19:11:18	39.92	406059300	406059300.070576
9C5C00116000038	07.07.2011 19:10:29	07.07.2011 19:10:29	40.2	07.07.2011 19:10:29	40.2	07.07.2011 19:11:19	39.83	406059400	406059400.090783
9C5C00120000038	07.07.2011 19:10:30	07.07.2011 19:10:30	39.24	07.07.2011 19:10:30	39.24	07.07.2011 19:11:20	39.51	406059500	406059500.110989
9C5C00124000038	07.07.2011 19:10:31	07.07.2011 19:10:31	38.76	07.07.2011 19:10:31	38.76	07.07.2011 19:11:21	39.5	406060000	406060000.110873
9C5C00128000038	07.07.2011 19:10:32	07.07.2011 19:10:32	38.97	07.07.2011 19:10:32	38.97	07.07.2011 19:11:22	39.92	406059900	406059900.061768
9C5C00132000038	07.07.2011 19:10:33	07.07.2011 19:10:33	39.91	07.07.2011 19:10:33	39.91	07.07.2011 19:11:23	39.66	406059800	406059800.070461
9C5C00136000038	07.07.2011 19:10:34	07.07.2011 19:10:34	39.62	07.07.2011 19:10:34	39.62	07.07.2011 19:11:24	39.28	406059700	406059700.093603
9C5C00140000038	07.07.2011 19:10:35	07.07.2011 19:10:35	39.77	07.07.2011 19:10:35	39.77	07.07.2011 19:11:25	37.58	406059600	406059600.073397
9C5C00144000038	07.07.2011 19:10:36	07.07.2011 19:10:36	39.13	07.07.2011 19:10:36	39.13	07.07.2011 19:11:26	39.71	406059500	406059500.096539
9C5C00148000038	07.07.2011 19:10:37	07.07.2011 19:10:37	32.05	07.07.2011 19:10:37	32.05	07.07.2011 19:11:27	39.35	406059000	406059000.067756
9C5C00152000038	07.07.2011 19:10:38	07.07.2011 19:10:38	39.71	07.07.2011 19:10:38	39.71	07.07.2011 19:11:28	39.55	406059100	406059100.131311
9C5C00156000038	07.07.2011 19:10:39	07.07.2011 19:10:39	39.55	07.07.2011 19:10:39	39.55	07.07.2011 19:11:29	39.58	406059200	406059200.079269
9C5C00160000038	07.07.2011 19:10:40	07.07.2011 19:10:40	39.95	07.07.2011 19:10:40	39.95	07.07.2011 19:11:30	39.31	406059300	406059300.085026
9C5C00164000038	07.07.2011 19:10:41	07.07.2011 19:10:41	39.65	07.07.2011 19:10:41	39.65	07.07.2011 19:11:31	38.75	406059400	406059400.090783
9C5C00168000038	07.07.2011 19:10:42	07.07.2011 19:10:42	39.82	07.07.2011 19:10:42	39.82	07.07.2011 19:11:32	39.79	406059500	406059500.110989
9C5C00172000038	07.07.2011 19:10:43	07.07.2011 19:10:43	39.34	07.07.2011 19:10:43	39.34	07.07.2011 19:11:33	38.92	406060000	406060000.096424
9C5C00176000038	07.07.2011 19:10:44	07.07.2011 19:10:44	39.47	07.07.2011 19:10:44	39.47	07.07.2011 19:11:34	40	406059900	406059900.105117
9C5C00180000038	07.07.2011 19:10:45	07.07.2011 19:10:45	38.42	07.07.2011 19:10:45	38.42	07.07.2011 19:11:35	38.2	406059800	406059800.084910
9C5C00184000038	07.07.2011 19:10:46	07.07.2011 19:10:46	39.46	07.07.2011 19:10:46	39.46	07.07.2011 19:11:36	39.26	406059700	406059700.079154
9C5C00188000038	07.07.2011 19:10:47	07.07.2011 19:10:47	38.48	07.07.2011 19:10:47	38.48	07.07.2011 19:11:37	39.45	406059600	406059600.087847
9C5C00192000038	07.07.2011 19:10:48	07.07.2011 19:10:48	39.5	07.07.2011 19:10:48	39.5	07.07.2011 19:11:38	39.28	406059500	406059500.110989
9C5C00196000038	07.07.2011 19:10:49	07.07.2011 19:10:49	38.51	07.07.2011 19:10:49	38.51	07.07.2011 19:11:39	38.98	406060000	406060000.03468
9C5C00200000038	07.07.2011 19:10:50	07.07.2011 19:10:50	40.07	07.07.2011 19:10:50	40.07	07.07.2011 19:11:40	39.4	406059900	406059900.00003

EIRP (dBm) = 37 Date/time of First Burst in Test Script Run 2: 07.07.2011 19:35:01 (GMT+3) Test Script # 6137									
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)	Calibrated Freq Measured by GEOLUT for first Valid Message (Hz)
9C5C00004000037	07.07.2011 19:35:01	07.07.2011 19:35:51	38.33	07.07.2011 19:35:51	38.33	07.07.2011 19:36:41	37.61	406059000	406059000.099097
9C5C00008000037	07.07.2011 19:35:02	07.07.2011 19:35:02	37.57	07.07.2011 19:35:02	37.57	07.07.2011 19:35:52	38.08	406059100	406059100.075954
9C5C00012000037	07.07.2011 19:35:03	07.07.2011 19:35:03	38.21	07.07.2011 19:35:03	38.21	07.07.2011 19:35:53	37.96	406059200	406059200.009463
9C5C00016000037	07.07.2011 19:35:04	07.07.2011 19:35:04	38.82	07.07.2011 19:35:04	38.82	07.07.2011 19:35:54	37.75	406059300	406059300.058569
9C5C00020000037	07.07.2011 19:35:05	07.07.2011 19:35:55	38.55	07.07.2011 19:35:55	38.55	07.07.2011 19:36:45	38.01	406059400	406059400.122124
9C5C00024000037	07.07.2011 19:35:06	07.07.2011 19:35:06	37.02	07.07.2011 19:35:06	37.02	07.07.2011 19:35:56	36.9	406059500	406059500.084532
9C5C00028000037	07.07.2011 19:35:07	07.07.2011 19:35:07	37.68	07.07.2011 19:35:07	37.68	07.07.2011 19:35:57	37.56	406060000	406060000.026618
9C5C00032000037	07.07.2011 19:35:08	07.07.2011 19:35:08	36.7	07.07.2011 19:35:08	36.7	07.07.2011 19:35:58	36.78	406059900	406059900.035311
9C5C00036000037	07.07.2011 19:35:09	07.07.2011 19:35:09	37.82	07.07.2011 19:35:09	37.82	07.07.2011 19:35:59	38.12	406059800	406059800.058453
9C5C00040000037	07.07.2011 19:35:10	07.07.2011 19:35:10	37.88	07.07.2011 19:35:10	37.88	07.07.2011 19:36:00	37	406059700	406059700.096045
9C5C00044000037	07.07.2011 19:35:11	07.07.2011 19:35:11	38.18	07.07.2011 19:35:11	38.18	07.07.2011 19:36:01	37.79	406059600	406059600.104738
9C5C00048000037	07.07.2011 19:35:12	07.07.2011 19:35:12	36.68	07.07.2011 19:35:12	36.68	07.07.2011 19:36:02	37	406059500	406059500.055632
9C5C00052000037	07.07.2011 19:35:13	07.07.2011 19:35:13	38.41	07.07.2011 19:35:13	38.41	07.07.2011 19:36:03	38.22	406059000	406059000.055748
9C5C00056000037	07.07.2011 19:35:14	07.07.2011 19:35:14	35.87	07.07.2011 19:35:14	35.87	07.07.2011 19:36:04	38.57	406059100	406059100.047055
9C5C00060000037	07.07.2011 19:35:15	07.07.2011 19:35:15	38.02	07.07.2011 19:35:15	38.02	07.07.2011 19:36:05	38.16	406059200	406059200.067261
9C5C00064000037	07.07.2011 19:35:16	07.07.2011 19:35:16	37.25	07.07.2011 19:35:16	37.25	07.07.2011 19:36:06	38.17	406059300	406059300.073018
9C5C00068000037	07.07.2011 19:35:17	07.07.2011 19:35:17	37.75	07.07.2011 19:35:17	37.75	07.07.2011 19:36:07	37.64	406059400	406059400.049876
9C5C00072000037	07.07.2011 19:35:18	07.07.2011 19:35:18	36.85	07.07.2011 19:35:18	36.85	07.07.2011 19:36:08	37.5	406059500	406059500.070082
9C5C00076000037	07.07.2011 19:35:19	07.07.2011 19:35:19	38.84	07.07.2011 19:35:19	38.84	07.07.2011 19:36:09	37.11	406060000	406060000.041067
9C5C00080000037	07.07.2011 19:35:20	07.07.2011 19:35:20	37.38	07.07.2011 19:35:20	37.38	07.07.2011 19:36:10	37.11	406059900	406059900.150907
9C5C00084000037	07.07.2011 19:35:21	07.07.2011 19:35:21	38.57	07.07.2011 19:35:21	38.57	07.07.2011 19:36:11	37.41	406059800	406059800.087352
9C5C00088000037	07.07.2011 19:35:22	07.07.2011 19:35:22	37.84	07.07.2011 19:35:22	37.84	07.07.2011 19:36:12	37.34	406059700	406059700.067146
9C5C00092000037	07.07.2011 19:35:23	07.07.2011 19:35:23	38.72	07.07.2011 19:35:23	38.72	07.07.2011 19:36:13	36.85	406059600	406059600.075839
9C5C00096000037	07.07.2011 19:35:24	07.07.2011 19:35:24	36.94	07.07.2011 19:35:24	36.94	07.07.2011 19:36:14	36.87	406059500	406059500.113431
9C5C00100000037	07.07.2011 19:35:25	07.07.2011 19:35:25	37.3	07.07.2011 19:35:25	37.3	07.07.2011 19:36:15	37.42	406059000	406059000.084647
9C5C00104000037	07.07.2011 19:35:26	07.07.2011 19:35:26	37.68	07.07.2011 19:35:26	37.68	07.07.2011 19:36:16	36.68	406059100	406059100.061505
9C5C00108000037	07.07.2011 19:35:27	07.07.2011 19:35:27	38.73	07.07.2011 19:35:27	38.73	07.07.2011 19:36:17	36.78	406059200	406059200.067261
9C5C00112000037	07.07.2011 19:35:28	07.07.2011 19:35:28	38.08	07.07.2011 19:35:28	38.08	07.07.2011 19:36:18	38.12	406059300	406059300.058569
9C5C00116000037	07.07.2011 19:35:29	07.07.2011 19:35:29	37.78	07.07.2011 19:35:29	37.78	07.07.2011 19:36:19	37.79	406059400	406059400.078775
9C5C00120000037	07.07.2011 19:35:30	07.07.2011 19:35:30	37.43	07.07.2011 19:35:30	37.43	07.07.2011 19:36:20	36.98	406059500	406059500.084532
9C5C00124000037	07.07.2011 19:35:31	07.07.2011 19:35:31	37.73	07.07.2011 19:35:31	37.73	07.07.2011 19:36:21	36.84	406060000	406060000.084416
9C5C00128000037	07.07.2011 19:35:32	07.07.2011 19:35:32	37.57	07.07.2011 19:35:32	37.57	07.07.2011 19:36:22	35.96	406059900	406059900.093109
9C5C00132000037	07.07.2011 19:35:33	07.07.2011 19:35:33	37.59	07.07.2011 19:35:33	37.59	07.07.2011 19:36:23	36.7	406059800	406059800.010802
9C5C00136000037	07.07.2011 19:35:34	07.07.2011 19:35:34	36.36	07.07.2011 19:35:34	36.36	07.07.2011 19:36:24	38.07	406059700	406059700.081595
9C5C00140000037	07.07.2011 19:35:35	07.07.2011 19:35:35	37.77	07.07.2011 19:35:35	37.77	07.07.2011 19:36:25	36.98	406059600	406059600.075839
9C5C00144000037	07.07.2011 19:35:36	07.07.2011 19:35:36	37.24	07.07.2011 19:35:36	37.24	07.07.2011 19:36:26	37.36	406059500	406059500.055632
9C5C00148000037	07.07.2011 19:35:37	07.07.2011 19:35:37	37.12	07.07.2011 19:35:37	37.12	07.07.2011 19:36:27	37.93	406059000	406059000.026849
9C5C00152000037	07.07.2011 19:35:38	07.07.2011 19:35:38	37.95	07.07.2011 19:35:38	37.95	07.07.2011 19:36:28	37.85	406059100	406059100.047055
9C5C00156000037	07.07.2011 19:35:39	07.07.2011 19:35:39	37.27	07.07.2011 19:35:39	37.27	07.07.2011 19:36:29	37.83	406059200	406059200.125600
9C5C00160000037	07.07.2011 19:35:40	07.07.2011 19:35:40	38.21	07.07.2011 19:35:40	38.21	07.07.2011 19:36:30	38.9	406059300	406059300.000770
9C5C00164000037	07.07.2011 19:35:41	07.07.2011 19:35:41	37.41	07.07.2011 19:35:41	37.41	07.07.2011 19:36:31	36.67	406059400	406059400.093225
9C5C00168000037	07.07.2011 19:35:42	07.07.2011 19:35:42	37.19	07.07.2011 19:35:42	37.19	07.07.2011 19:36:32	37.06	406059500	406059500.070082
9C5C00172000037	07.07.2011 19:35:43	07.07.2011 19:35:43	37.92	07.07.2011 19:35:43	37.92	07.07.2011 19:36:33	38.52	406060000	406060000.069967
9C5C00176000037	07.07.2011 19:35:44	07.07.2011 19:35:44	36.73	07.07.2011 19:35:44	36.73	07.07.2011 19:36:34	37.46	406059900	406059900.064210
9C5C00180000037	07.07.2011 19:35:45	07.07.2011 19:35:45	38.33	07.07.2011 19:35:45	38.33	07.07.2011 19:36:35	38.31	406059800	406059800.058453
9C5C00184000037	07.07.2011 19:35:46	07.07.2011 19:35:46	37.39	07.07.2011 19:35:46	37.39	07.07.2011 19:36:36	37.09	406059700	406059700.081595
9C5C00188000037	07.07.2011 19:35:47	07.07.2011 19:35:47	38.64	07.07.2011 19:35:47	38.64	07.07.2011 19:36:37	38.11	406059600	406059600.104738
9C5C00192000037	07.07.2011 19:35:48	07.07.2011 19:35:48	37.26	07.07.2011 19:35:48	37.26	07.07.2011 19:36:38	37.69	406059500	406059500.098981
9C5C00196000037	07.07.2011 19:35:49	07.07.2011 19:35:49	36.96	07.07.2011 19:35:49	36.96	07.07.2011 19:36:39	37.47	406060000	406060000.055517
9C5C00200000037	07.07.2011 19:35:50	07.07.2011 19:35:50	36.88	07.07.2011 19:35:50	36.88	07.07.2011 19:36:40	37.53	406059900	406059900.049760

EIRP (dBm) = 36 Date/time of First Burst in Test Script Run 3: 07.07.2011 20:00:00 (GMT+3) Test Script # 6136									
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)	Calibrated Freq Measured by GEOLUT for first Valid Message (Hz)
9C5C00004000036	07.07.2011 20:00:00	07.07.2011 20:00:50	35.16	07.07.2011 20:00:50	35.16	07.07.2011 20:01:40	35.94	406059000	406059000.059190
9C5C00008000036	07.07.2011 20:00:01	07.07.2011 20:00:01	34.92	07.07.2011 20:00:01	34.92	07.07.2011 20:00:51	36.29	406059100	406059100.036047
9C5C00012000036	07.07.2011 20:00:02	07.07.2011 20:00:02	36.53	07.07.2011 20:00:02	36.53	07.07.2011 20:00:52	35.51	406059200	406059200.056254
9C5C00016000036	07.07.2011 20:00:03	07.07.2011 20:00:03	35.45	07.07.2011 20:00:03	35.45	07.07.2011 20:00:53	35.86	406059300	406059300.047561
9C5C00020000036	07.07.2011 20:00:04	07.07.2011 20:00:04	36.04	07.07.2011 20:00:04	36.04	07.07.2011 20:00:54	35.88	406059400	406059400.053318
9C5C00024000036	07.07.2011 20:00:05	07.07.2011 20:00:05	35.59	07.07.2011 20:00:05	35.59	07.07.2011 20:00:55	35.74	406059500	406059500.073524
9C5C00028000036	07.07.2011 20:00:06	07.07.2011 20:00:06	35.35	07.07.2011 20:00:06	35.35	07.07.2011 20:00:56	36.16	406060000	406060000.116757
9C5C00032000036	07.07.2011 20:00:07	07.07.2011 20:00:07	35.53	07.07.2011 20:00:07	35.53	07.07.2011 20:00:57	35.13	406059900	406059900.111000
9C5C00036000036	07.07.2011 20:00:08	07.07.2011 20:00:08	33.7	07.07.2011 20:00:08	33.7	07.07.2011 20:00:58	35.45	406059800	406059800.105244
9C5C00040000036	07.07.2011 20:00:09	07.07.2011 20:00:09	34.53	07.07.2011 20:00:09	34.53	07.07.2011 20:00:59	35.9	406059700	406059700.099487
9C5C00044000036	07.07.2011 20:00:10	07.07.2011 20:00:10	35.2	07.07.2011 20:00:10	35.2	07.07.2011 20:01:00	36.07	406059600	406059600.070291
9C5C00048000036	07.07.2011 20:00:11	07.07.2011 20:00:11	35.16	07.07.2011 20:00:11	35.16	07.07.2011 20:01:01	35.66	406059500	406059500.044625
9C5C00052000036	07.07.2011 20:00:12	07.07.2011 20:00:12	34.74	07.07.2011 20:00:12	34.74	07.07.2011 20:01:02	35.95	406059000	406059000.044740
9C5C00056000036	07.07.2011 20:00:13	07.07.2011 20:00:13	34.55	07.07.2011 20:00:13	34.55	07.07.2011 20:01:03	36.34	406059100	406059100.093846
9C5C00060000036	07.07.2011 20:00:14	07.07.2011 20:00:14	35.11	07.07.2011 20:00:14	35.11	07.07.2011 20:01:04	36.7	406059200	406059200.056254
9C5C00064000036	07.07.2011 20:00:15	07.07.2011 20:00:15	35.47	07.07.2011 20:00:15	35.47	07.07.2011 20:01:05	36.17	406059300	406059300.076460
9C5C00068000036	07.07.2011 20:00:16	07.07.2011 20:00:16	35.67	07.07.2011 20:00:16	35.67	07.07.2011 20:01:06	35.94	406059400	406059400.009969
9C5C00072000036	07.07.2011 20:00:17	07.07.2011 20:00:17	35.48	07.07.2011 20:00:17	35.48	07.07.2011 20:01:07	35.89	406059500	406059500.073524
9C5C00076000036	07.07.2011 20:00:18	07.07.2011 20:00:18	35.01	07.07.2011 20:00:18	35.01	07.07.2011 20:01:08	36.08	406060000	406060000.058959
9C5C00080000036	07.07.2011 20:00:19	07.07.2011 20:00:19	34.2	07.07.2011 20:00:19	34.2	07.07.2011 20:01:09	35.63	406059900	406059900.096551
9C5C00084000036	07.07.2011 20:00:20	07.07.2011 20:00:20	35.4	07.07.2011 20:00:20	35.4	07.07.2011 20:01:10	36.37	406059800	406059800.090794
9C5C00088000036	07.07.2011 20:00:21	07.07.2011 20:00:21	34.44	07.07.2011 20:00:21	34.44	07.07.2011 20:01:11	36.21	406059700	406059700.041688
9C5C00092000036	07.07.2011 20:00:22	07.07.2011 20:00:22	35.63	07.07.2011 20:00:22	35.63	07.07.2011 20:01:12	35.31	406059600	406059600.079281
9C5C00096000036	07.07.2011 20:00:23	07.07.2011 20:00:23	35.3	07.07.2011 20:00:23	35.3	07.07.2011 20:01:13	35.27	406059500	406059500.087974
9C5C00100000036	07.07.2011 20:00:24	07.07.2011 20:00:24	35.82	07.07.2011 20:00:24	35.82	07.07.2011 20:01:14	35.43	406059000	406059000.015841
9C5C00104000036	07.07.2011 20:00:25	07.07.2011 20:00:25	35.62	07.07.2011 20:00:25	35.62	07.07.2011 20:01:15	35.97	406059100	406059100.079396
9C5C00108000036	07.07.2011 20:00:26	07.07.2011 20:00:26	35.62	07.07.2011 20:00:26	35.62	07.07.2011 20:01:16	35.15	406059200	406059200.012905
9C5C00112000036	07.07.2011 20:00:27	07.07.2011 20:00:27	36.66	07.07.2011 20:00:27	36.66	07.07.2011 20:01:17	36.18	406059300	406059300.105359
9C5C00116000036	07.07.2011 20:00:28	07.07.2011 20:01:18	37.23	07.07.2011 20:01:18	37.23	07.07.2011 20:02:08	35.92	406059400	406059400.038868
9C5C00120000036	07.07.2011 20:00:29	07.07.2011 20:00:29	36.69	07.07.2011 20:00:29	36.69	07.07.2011 20:01:19	35.52	406059500	406059500.044625
9C5C00124000036	07.07.2011 20:00:30	07.07.2011 20:00:30	36.17	07.07.2011 20:00:30	36.17	07.07.2011 20:01:20	35.92	406060000	406060000.044509
9C5C00128000036	07.07.2011 20:00:31	07.07.2011 20:00:31	36.59	07.07.2011 20:00:31	36.59	07.07.2011 20:01:21	36.46	406059900	406059900.082101
9C5C00132000036	07.07.2011 20:00:32	07.07.2011 20:00:32	35.55	07.07.2011 20:00:32	35.55	07.07.2011 20:01:22	35.22	406059800	406059800.105244
9C5C00136000036	07.07.2011 20:00:33	07.07.2011 20:00:33	35.81	07.07.2011 20:00:33	35.81	07.07.2011 20:01:23	36.36	406059700	406059700.085037
9C5C00140000036	07.07.2011 20:00:34	07.07.2011 20:00:34	35.82	07.07.2011 20:00:34	35.82	07.07.2011 20:01:24	36.53	406059600	406059600.064831
9C5C00144000036	07.07.2011 20:00:35	07.07.2011 20:00:35	35.3	07.07.2011 20:00:35	35.3	07.07.2011 20:01:25	35.43	406059500	406059500.001276
9C5C00148000036	07.07.2011 20:00:36	07.07.2011 20:00:36	35.64	07.07.2011 20:00:36	35.64	07.07.2011 20:01:26	35.72	406059000	406059000.088089
9C5C00152000036	07.07.2011 20:00:37	07.07.2011 20:00:37	35.4	07.07.2011 20:00:37	35.4	07.07.2011 20:01:27	36.23	406059100	406059100.079396
9C5C00156000036	07.07.2011 20:00:38	07.07.2011 20:00:38	35.66	07.07.2011 20:00:38	35.66	07.07.2011 20:01:28	35.71	406059200	406059200.070703
9C5C00160000036	07.07.2011 20:00:39	07.07.2011 20:00:39	35.84	07.07.2011 20:00:39	35.84	07.07.2011 20:01:29	36.21	406059300	406059300.076460
9C5C00164000036	07.07.2011 20:00:40	07.07.2011 20:00:40	35.69	07.07.2011 20:00:40	35.69	07.07.2011 20:01:30	35.67	406059400	406059400.067767
9C5C00168000036	07.07.2011 20:00:41	07.07.2011 20:00:41	35.42	07.07.2011 20:00:41	35.42	07.07.2011 20:01:31	36	406059500	406059500.116873
9C5C00172000036	07.07.2011 20:00:42	07.07.2011 20:00:42	35.15	07.07.2011 20:00:42	35.15	07.07.2011 20:01:32	35.93	406060000	406060000.073408
9C5C00176000036	07.07.2011 20:00:43	07.07.2011 20:00:43	35.23	07.07.2011 20:00:43	35.23	07.07.2011 20:01:33	36.05	406059900	406059900.053202
9C5C00180000036	07.07.2011 20:00:44	07.07.2011 20:00:44	35.81	07.07.2011 20:00:44	35.81	07.07.2011 20:01:34	36.44	406059800	406059800.061895
9C5C00184000036	07.07.2011 20:00:45	07.07.2011 20:00:45	35.34	07.07.2011 20:00:45	35.34	07.07.2011 20:02:25	36.5	406059700	406059700.085037
9C5C00188000036	07.07.2011 20:00:46	07.07.2011 20:00:46	35.37	07.07.2011 20:00:46	35.37	07.07.2011 20:01:36	36.64	406059600	406059600.035932
9C5C00192000036	07.07.2011 20:00:47	07.07.2011 20:00:47	35.81	07.07.2011 20:00:47	35.81	07.07.2011 20:02:27	36.13	406059500	406059500.116873
9C5C00196000036	07.07.2011 20:00:48	07.07.2011 20:00:48	35.45	07.07.2011 20:00:48	35.45	07.07.2011 20:01:38	36.53	406060000	406060000.073408
9C5C00200000036	07.07.2011 20:00:49	07.07.2011 20:00:49	35.83	07.07.2011 20:00:49	35.83	07.07.2011 20:01:39	36.26	406059900	406059900.053202

EIRP (dBm) = 35 Date/time of First Burst in Test Script Run 4: 07.07.2011 20:55:01 (GMT+3) Test Script # 6135									
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)	Calibrated Freq Measured by GEOLUT for first Valid Message (Hz)
9C5C00004000035	07.07.2011 20:55:01	07.07.2011 20:56:41	32.93	07.07.2011 20:56:41	32.93	07.07.2011 20:57:31	36.25	406059000	406059000.114322
9C5C00008000035	07.07.2011 20:55:02	07.07.2011 20:55:02	36.25	07.07.2011 20:55:02	36.25	07.07.2011 20:55:52	36.17	406059100	406059100.004481
9C5C00012000035	07.07.2011 20:55:03	07.07.2011 20:55:03	35.45	07.07.2011 20:55:03	35.45	07.07.2011 20:55:53	36.52	406059200	406059200.068037
9C5C00016000035	07.07.2011 20:55:04	07.07.2011 20:55:04	36.63	07.07.2011 20:55:04	36.63	07.07.2011 20:55:54	35.75	406059300	406059300.117142
9C5C00020000035	07.07.2011 20:55:05	07.07.2011 20:55:05	35.25	07.07.2011 20:55:05	35.25	07.07.2011 20:55:55	36.7	406059400	406059400.065100
9C5C00024000035	07.07.2011 20:55:06	07.07.2011 20:55:06	36.02	07.07.2011 20:55:06	36.02	07.07.2011 20:55:56	35.83	406059500	406059500.013059
9C5C00028000035	07.07.2011 20:55:07	07.07.2011 20:55:07	36.15	07.07.2011 20:55:07	36.15	07.07.2011 20:55:57	36.31	406060000	406060000.128540
9C5C00032000035	07.07.2011 20:55:08	07.07.2011 20:55:08	37.17	07.07.2011 20:55:08	37.17	07.07.2011 20:55:58	36.19	406059900	406059900.079434
9C5C00036000035	07.07.2011 20:55:09	07.07.2011 20:55:09	35.65	07.07.2011 20:55:09	35.65	07.07.2011 20:55:59	36.28	406059800	406059800.073678
9C5C00040000035	07.07.2011 20:55:10	07.07.2011 20:55:10	36.1	07.07.2011 20:55:10	36.1	07.07.2011 20:56:00	36.67	406059700	406059700.067921
9C5C00044000035	07.07.2011 20:55:11	07.07.2011 20:55:11	36.15	07.07.2011 20:55:11	36.15	07.07.2011 20:56:01	36.25	406059600	406059600.047715
9C5C00048000035	07.07.2011 20:55:12	07.07.2011 20:55:12	36.33	07.07.2011 20:55:12	36.33	07.07.2011 20:56:02	35.58	406059500	406059500.070857
9C5C00052000035	07.07.2011 20:55:13	07.07.2011 20:55:13	36.53	07.07.2011 20:55:13	36.53	07.07.2011 20:56:03	36.81	406059000	406059000.056523
9C5C00056000035	07.07.2011 20:55:14	07.07.2011 20:55:14	36.3	07.07.2011 20:55:14	36.3	07.07.2011 20:56:04	35.65	406059100	406059100.062280
9C5C00060000035	07.07.2011 20:55:15	07.07.2011 20:55:15	36.8	07.07.2011 20:55:15	36.8	07.07.2011 20:56:05	36.37	406059200	406059200.068037
9C5C00064000035	07.07.2011 20:55:16	07.07.2011 20:55:16	34.93	07.07.2011 20:55:16	34.93	07.07.2011 20:56:06	36.51	406059300	406059300.044894
9C5C00068000035	07.07.2011 20:55:17	07.07.2011 20:55:17	37.01	07.07.2011 20:55:17	37.01	07.07.2011 20:56:07	36.94	406059400	406059400.036201
9C5C00072000035	07.07.2011 20:55:18	07.07.2011 20:55:18	35.43	07.07.2011 20:55:18	35.43	07.07.2011 20:56:08	35.91	406059500	406059500.041958
9C5C00076000035	07.07.2011 20:55:19	07.07.2011 20:55:19	35.12	07.07.2011 20:55:19	35.12	07.07.2011 20:56:09	36.29	406060000	406060000.085191
9C5C00080000035	07.07.2011 20:55:20	07.07.2011 20:55:20	33.65	07.07.2011 20:55:20	33.65	07.07.2011 20:56:10	35.78	406059900	406059900.050535
9C5C00084000035	07.07.2011 20:55:21	07.07.2011 20:55:21	36.37	07.07.2011 20:55:21	36.37	07.07.2011 20:56:11	35.81	406059800	406059800.102577
9C5C00088000035	07.07.2011 20:55:22	07.07.2011 20:55:22	35.87	07.07.2011 20:55:22	35.87	07.07.2011 20:56:12	36.41	406059700	406059700.039022
9C5C00092000035	07.07.2011 20:55:23	07.07.2011 20:55:23	36.21	07.07.2011 20:55:23	36.21	07.07.2011 20:56:13	36.86	406059600	406059600.119963
9C5C00096000035	07.07.2011 20:55:24	07.07.2011 20:55:24	35.67	07.07.2011 20:55:24	35.67	07.07.2011 20:56:14	36.54	406059500	406059500.114206
9C5C00100000035	07.07.2011 20:55:25	07.07.2011 20:55:25	36.3	07.07.2011 20:55:25	36.3	07.07.2011 20:56:15	36.42	406059000	406059000.042074
9C5C00104000035	07.07.2011 20:55:26	07.07.2011 20:55:26	36	07.07.2011 20:55:26	36	07.07.2011 20:56:16	36.35	406059100	406059100.062280
9C5C00108000035	07.07.2011 20:55:27	07.07.2011 20:55:27	36.24	07.07.2011 20:55:27	36.24	07.07.2011 20:56:17	35.71	406059200	406059200.068037
9C5C00112000035	07.07.2011 20:55:28	07.07.2011 20:55:28	36.21	07.07.2011 20:55:28	36.21	07.07.2011 20:56:18	36.95	406059300	406059300.117142
9C5C00116000035	07.07.2011 20:55:29	07.07.2011 20:55:29	36.46	07.07.2011 20:55:29	36.46	07.07.2011 20:56:19	36.49	406059400	406059400.108449
9C5C00120000035	07.07.2011 20:55:30	07.07.2011 20:55:30	35.75	07.07.2011 20:55:30	35.75	07.07.2011 20:56:20	35.18	406059500	406059500.070857
9C5C00124000035	07.07.2011 20:55:31	07.07.2011 20:55:31	37.18	07.07.2011 20:55:31	37.18	07.07.2011 20:56:21	35.42	406060000	406060000.070742
9C5C00128000035	07.07.2011 20:55:32	07.07.2011 20:55:32	36.12	07.07.2011 20:55:32	36.12	07.07.2011 20:56:22	37.42	406059900	406059900.050535
9C5C00132000035	07.07.2011 20:55:33	07.07.2011 20:55:33	36.85	07.07.2011 20:55:33	36.85	07.07.2011 20:56:23	32.92	406059800	406059800.059228
9C5C00136000035	07.07.2011 20:55:34	07.07.2011 20:55:34	36.29	07.07.2011 20:55:34	36.29	07.07.2011 20:56:24	35.31	406059700	406059700.067921
9C5C00140000035	07.07.2011 20:55:35	07.07.2011 20:55:35	35.53	07.07.2011 20:55:35	35.53	07.07.2011 20:56:25	35.18	406059600	406059600.062164
9C5C00144000035	07.07.2011 20:55:36	07.07.2011 20:55:36	36.13	07.07.2011 20:55:36	36.13	07.07.2011 20:56:26	35.89	406059500	406059500.041958
9C5C00148000035	07.07.2011 20:55:37	07.07.2011 20:55:37	34.57	07.07.2011 20:55:37	34.57	07.07.2011 20:56:27	35.24	406059000	406059000.099872
9C5C00152000035	07.07.2011 20:55:38	07.07.2011 20:55:38	36.26	07.07.2011 20:55:38	36.26	07.07.2011 20:56:28	36.29	406059100	406059100.076729
9C5C00156000035	07.07.2011 20:55:39	07.07.2011 20:55:39	36.54	07.07.2011 20:55:39	36.54	07.07.2011 20:56:29	35.32	406059200	406059200.053587
9C5C00160000035	07.07.2011 20:55:40	07.07.2011 20:55:40	36.12	07.07.2011 20:55:40	36.12	07.07.2011 20:56:30	37.26	406059300	406059300.088243
9C5C00164000035	07.07.2011 20:55:41	07.07.2011 20:55:41	35.83	07.07.2011 20:55:41	35.83	07.07.2011 20:56:31	36.26	406059400	406059400.021752
9C5C00168000035	07.07.2011 20:55:42	07.07.2011 20:55:42	36.03	07.07.2011 20:55:42	36.03	07.07.2011 20:56:32	36.12	406059500	406059500.085307
9C5C00172000035	07.07.2011 20:55:43	07.07.2011 20:55:43	35.8	07.07.2011 20:55:43	35.8	07.07.2011 20:56:33	35.66	406060000	406060000.157439
9C5C00176000035	07.07.2011 20:55:44	07.07.2011 20:55:44	35.43	07.07.2011 20:55:44	35.43	07.07.2011 20:56:34	36.45	406059900	406059900.050535
9C5C00180000035	07.07.2011 20:55:45	07.07.2011 20:55:45	35.41	07.07.2011 20:55:45	35.41	07.07.2011 20:56:35	36.23	406059800	406059800.044779
9C5C00184000035	07.07.2011 20:55:46	07.07.2011 20:55:46	36.18	07.07.2011 20:55:46	36.18	07.07.2011 20:56:36	36.13	406059700	406059700.125719
9C5C00188000035	07.07.2011 20:55:47	07.07.2011 20:55:47	36.71	07.07.2011 20:55:47	36.71	07.07.2011 20:56:37	36.17	406059600	406059600.076614
9C5C00192000035	07.07.2011 20:55:48	07.07.2011 20:55:48	37.36	07.07.2011 20:55:48	37.36	07.07.2011 20:56:38	35.52	406059500	406059500.128656
9C5C00196000035	07.07.2011 20:55:49	07.07.2011 20:55:49	35.81	07.07.2011 20:55:49	35.81	07.07.2011 20:56:39	36.7	406060000	406060000.070742
9C5C00200000035	07.07.2011 20:55:50	07.07.2011 20:55:50	36.04	07.07.2011 20:55:50	36.04	07.07.2011 20:56:40	36.21	406059900	406059900.079434

EIRP (dBm) = 34 Date/time of First Burst in Test Script Run 5: 07.07.2011 21:20:01 (GMT+3) Test Script # 6134									
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)	Calibrated Freq Measured by GEOLUT for first Valid Message (Hz)
9C5C00004000034	07.07.2011 21:20:01	07.07.2011 21:20:51	35.22	07.07.2011 21:20:51	35.22	07.07.2011 21:21:41	34.07	406059000	406059000.112864
9C5C00008000034	07.07.2011 21:20:02	07.07.2011 21:20:02	34.94	07.07.2011 21:20:02	34.94	07.07.2011 21:20:52	34.01	406059100	406059100.104171
9C5C00012000034	07.07.2011 21:20:03	07.07.2011 21:20:03	34.59	07.07.2011 21:20:03	34.59	07.07.2011 21:20:53	35.18	406059200	406059200.037680
9C5C00016000034	07.07.2011 21:20:04	07.07.2011 21:20:04	35.37	07.07.2011 21:20:04	35.37	07.07.2011 21:20:54	35.6	406059300	406059300.086786
9C5C00020000034	07.07.2011 21:20:05	07.07.2011 21:20:05	35.98	07.07.2011 21:20:05	35.98	07.07.2011 21:20:55	35.17	406059400	406059400.063643
9C5C00024000034	07.07.2011 21:20:06	07.07.2011 21:20:06	34.29	07.07.2011 21:20:06	34.29	07.07.2011 21:20:56	34.63	406059500	406059500.026051
9C5C00028000034	07.07.2011 21:20:07	07.07.2011 21:20:07	34.63	07.07.2011 21:20:07	34.63	07.07.2011 21:20:57	34.44	406060000	406060000.054835
9C5C00032000034	07.07.2011 21:20:08	07.07.2011 21:20:08	34.3	07.07.2011 21:20:08	34.3	07.07.2011 21:20:58	34.93	406059900	406059900.049078
9C5C00036000034	07.07.2011 21:20:09	07.07.2011 21:20:09	34.6	07.07.2011 21:20:09	34.6	07.07.2011 21:20:59	33.65	406059800	406059800.101120
9C5C00040000034	07.07.2011 21:20:10	07.07.2011 21:20:10	34.92	07.07.2011 21:20:10	34.92	07.07.2011 21:21:00	34.7	406059700	406059700.080913
9C5C00044000034	07.07.2011 21:20:11	07.07.2011 21:20:11	35.97	07.07.2011 21:20:11	35.97	07.07.2011 21:21:51	34.79	406059600	406059600.089606
9C5C00048000034	07.07.2011 21:20:12	07.07.2011 21:20:12	33.99	07.07.2011 21:20:12	33.99	07.07.2011 21:21:02	34.5	406059500	406059500.069400
9C5C00052000034	07.07.2011 21:20:13	07.07.2011 21:20:13	34.72	07.07.2011 21:20:13	34.72	07.07.2011 21:21:03	34.77	406059000	406059000.098415
9C5C00056000034	07.07.2011 21:20:14	07.07.2011 21:20:14	35.96	07.07.2011 21:20:14	35.96	07.07.2011 21:21:04	35.19	406059100	406059100.089722
9C5C00060000034	07.07.2011 21:20:15	07.07.2011 21:20:15	34.7	07.07.2011 21:20:15	34.7	07.07.2011 21:21:05	34.53	406059200	406059200.023230
9C5C00064000034	07.07.2011 21:20:16	07.07.2011 21:20:16	35.41	07.07.2011 21:20:16	35.41	07.07.2011 21:21:06	33.33	406059300	406059300.101235
9C5C00068000034	07.07.2011 21:20:17	07.07.2011 21:20:17	34.37	07.07.2011 21:20:17	34.37	07.07.2011 21:21:07	34.05	406059400	406059400.121441
9C5C00072000034	07.07.2011 21:20:18	07.07.2011 21:20:18	35.53	07.07.2011 21:20:18	35.53	07.07.2011 21:21:08	34.55	406059500	406059500.083849
9C5C00076000034	07.07.2011 21:20:19	07.07.2011 21:20:19	33.84	07.07.2011 21:20:19	33.84	07.07.2011 21:21:09	35.22	406060000	406060000.054835
9C5C00080000034	07.07.2011 21:20:20	07.07.2011 21:20:20	35.71	07.07.2011 21:20:20	35.71	07.07.2011 21:21:10	34.83	406059900	406059900.077977
9C5C00084000034	07.07.2011 21:20:21	07.07.2011 21:20:21	34.97	07.07.2011 21:20:21	34.97	07.07.2011 21:21:11	34.46	406059800	406059800.072220
9C5C00088000034	07.07.2011 21:20:22	07.07.2011 21:20:22	35.51	07.07.2011 21:20:22	35.51	07.07.2011 21:21:12	35.04	406059700	406059700.095363
9C5C00092000034	07.07.2011 21:20:23	07.07.2011 21:20:23	34.2	07.07.2011 21:20:23	34.2	07.07.2011 21:21:13	35.01	406059600	406059600.060707
9C5C00096000034	07.07.2011 21:20:24	07.07.2011 21:20:24	34.77	07.07.2011 21:20:24	34.77	07.07.2011 21:21:14	35.4	406059500	406059500.083849
9C5C00100000034	07.07.2011 21:20:25	07.07.2011 21:20:25	34.41	07.07.2011 21:20:25	34.41	07.07.2011 21:21:15	34.53	406059000	406059000.055066
9C5C00104000034	07.07.2011 21:20:26	07.07.2011 21:20:26	35.07	07.07.2011 21:20:26	35.07	07.07.2011 21:21:16	34.27	406059100	406059100.089722
9C5C00108000034	07.07.2011 21:20:27	07.07.2011 21:20:27	34.55	07.07.2011 21:20:27	34.55	07.07.2011 21:21:17	34.82	406059200	406059200.037680
9C5C00112000034	07.07.2011 21:20:28	07.07.2011 21:20:28	34.56	07.07.2011 21:20:28	34.56	07.07.2011 21:21:18	34.81	406059300	406059300.072336
9C5C00116000034	07.07.2011 21:20:29	07.07.2011 21:20:29	34.1	07.07.2011 21:20:29	34.1	07.07.2011 21:21:19	35.71	406059400	406059400.121441
9C5C00120000034	07.07.2011 21:20:30	07.07.2011 21:20:30	34.62	07.07.2011 21:20:30	34.62	07.07.2011 21:21:20	34.61	406059500	406059500.127198
9C5C00124000034	07.07.2011 21:20:31	07.07.2011 21:20:31	35.72	07.07.2011 21:20:31	35.72	07.07.2011 21:21:21	35.28	406060000	406060000.025935
9C5C00128000034	07.07.2011 21:20:32	07.07.2011 21:20:32	35.24	07.07.2011 21:20:32	35.24	07.07.2011 21:21:22	34.04	406059900	406059900.077977
9C5C00132000034	07.07.2011 21:20:33	07.07.2011 21:20:33	34.58	07.07.2011 21:20:33	34.58	07.07.2011 21:21:23	34.76	406059800	406059800.043321
9C5C00136000034	07.07.2011 21:20:34	07.07.2011 21:20:34	34.79	07.07.2011 21:20:34	34.79	07.07.2011 21:21:24	33.93	406059700	406059700.095363
9C5C00140000034	07.07.2011 21:20:35	07.07.2011 21:20:35	35.06	07.07.2011 21:20:35	35.06	07.07.2011 21:21:25	34.95	406059600	406059600.046257
9C5C00144000034	07.07.2011 21:20:36	07.07.2011 21:20:36	34.45	07.07.2011 21:20:36	34.45	07.07.2011 21:21:26	34.63	406059500	406059500.069400
9C5C00148000034	07.07.2011 21:20:37	07.07.2011 21:20:37	35.72	07.07.2011 21:20:37	35.72	07.07.2011 21:21:27	34.46	406059000	406059000.098415
9C5C00152000034	07.07.2011 21:20:38	07.07.2011 21:20:38	35.24	07.07.2011 21:20:38	35.24	07.07.2011 21:21:28	34.7	406059100	406059100.089722
9C5C00156000034	07.07.2011 21:20:39	07.07.2011 21:20:39	33.97	07.07.2011 21:20:39	33.97	07.07.2011 21:21:29	35.43	406059200	406059200.109928
9C5C00160000034	07.07.2011 21:20:40	07.07.2011 21:20:40	35.32	07.07.2011 21:20:40	35.32	07.07.2011 21:21:30	34.58	406059300	406059300.072336
9C5C00164000034	07.07.2011 21:20:41	07.07.2011 21:20:41	34.47	07.07.2011 21:20:41	34.47	07.07.2011 21:21:31	35.18	406059400	406059400.106992
9C5C00168000034	07.07.2011 21:20:42	07.07.2011 21:20:42	35.24	07.07.2011 21:20:42	35.24	07.07.2011 21:21:32	34.95	406059500	406059500.083849
9C5C00172000034	07.07.2011 21:20:43	07.07.2011 21:20:43	35.06	07.07.2011 21:20:43	35.06	07.07.2011 21:21:33	33.87	406060000	406060000.054835
9C5C00176000034	07.07.2011 21:20:44	07.07.2011 21:20:44	34.52	07.07.2011 21:20:44	34.52	07.07.2011 21:23:14	33.67	406059900	406059900.020179
9C5C00180000034	07.07.2011 21:20:45	07.07.2011 21:20:45	35.62	07.07.2011 21:20:45	35.62	07.07.2011 21:21:35	33.41	406059800	406059800.072220
9C5C00184000034	07.07.2011 21:20:46	07.07.2011 21:20:46	34.54	07.07.2011 21:20:46	34.54	07.07.2011 21:21:36	33.93	406059700	406059700.066464
9C5C00188000034	07.07.2011 21:20:47	07.07.2011 21:20:47	35.57	07.07.2011 21:20:47	35.57	07.07.2011 21:21:37	33.78	406059600	406059600.046257
9C5C00192000034	07.07.2011 21:20:48	07.07.2011 21:20:48	34.48	07.07.2011 21:20:48	34.48	07.07.2011 21:21:38	34.49	406059500	406059500.083849
9C5C00196000034	07.07.2011 21:20:49	07.07.2011 21:20:49	35.46	07.07.2011 21:20:49	35.46	07.07.2011 21:21:39	35.2	406060000	406060000.141532
9C5C00200000034	07.07.2011 21:20:50	07.07.2011 21:20:50	34.79	07.07.2011 21:20:50	34.79	07.07.2011 21:21:40	34.53	406059900	406059900.063527

EIRP (dBm) = 33 Date/time of First Burst in Test Script Run 6: 07.07.2011 21:45:01 (GMT+3) Test Script # 6133									
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)	Calibrated Freq Measured by GEOLUT for first Valid Message (Hz)
9C5C00004000033	07.07.2011 21:45:01	07.07.2011 21:45:51	33.92	07.07.2011 21:45:51	33.92	07.07.2011 21:46:41	33.34	406059000	406059000.064058
9C5C00008000033	07.07.2011 21:45:02	07.07.2011 21:45:02	33.24	07.07.2011 21:45:02	33.24	07.07.2011 21:45:52	32.74	406059100	406059100.098714
9C5C00012000033	07.07.2011 21:45:03	07.07.2011 21:45:03	34.08	07.07.2011 21:45:03	34.08	07.07.2011 21:45:53	33.2	406059200	406059200.118920
9C5C00016000033	07.07.2011 21:45:04	07.07.2011 21:45:04	34.03	07.07.2011 21:45:04	34.03	07.07.2011 21:45:54	34.31	406059300	406059300.090980
9C5C00020000033	07.07.2011 21:45:05	07.07.2011 21:45:05	34.41	07.07.2011 21:45:05	34.41	07.07.2011 21:45:55	33.96	406059400	406059400.043736
9C5C00024000033	07.07.2011 21:45:06	07.07.2011 21:45:06	33.35	07.07.2011 21:45:06	33.35	07.07.2011 21:45:56	33.42	406059500	406059500.063942
9C5C00028000033	07.07.2011 21:45:07	07.07.2011 21:45:07	34.53	07.07.2011 21:45:07	34.53	07.07.2011 21:45:57	34.15	406060000	406060000.063827
9C5C00032000033	07.07.2011 21:45:08	07.07.2011 21:45:08	33.74	07.07.2011 21:45:08	33.74	07.07.2011 21:45:58	33.59	406059900	406059900.115868
9C5C00036000033	07.07.2011 21:45:09	07.07.2011 21:45:09	34.23	07.07.2011 21:45:09	34.23	07.07.2011 21:45:59	34.38	406059800	406059800.095662
9C5C00040000033	07.07.2011 21:45:10	07.07.2011 21:45:10	32.91	07.07.2011 21:45:10	32.91	07.07.2011 21:46:00	33.45	406059700	406059699.974308
9C5C00044000033	07.07.2011 21:45:11	07.07.2011 21:45:11	34.25	07.07.2011 21:45:11	34.25	07.07.2011 21:46:01	33.09	406059600	406059600.055249
9C5C00048000033	07.07.2011 21:45:12	07.07.2011 21:45:12	33.62	07.07.2011 21:45:12	33.62	07.07.2011 21:46:02	33.61	406059500	406059500.006144
9C5C00052000033	07.07.2011 21:45:13	07.07.2011 21:45:13	34.36	07.07.2011 21:45:13	34.36	07.07.2011 21:46:53	32.9	406059000	406059000.092957
9C5C00056000033	07.07.2011 21:45:14	07.07.2011 21:45:14	33.61	07.07.2011 21:45:14	33.61	07.07.2011 21:46:04	34.04	406059100	406059100.069815
9C5C00060000033	07.07.2011 21:45:15	07.07.2011 21:45:15	34.28	07.07.2011 21:45:15	34.28	07.07.2011 21:46:05	34.05	406059200	406059200.090021
9C5C00064000033	07.07.2011 21:45:16	07.07.2011 21:45:16	32.83	07.07.2011 21:45:16	32.83	07.07.2011 21:46:06	34.25	406059300	406059300.066879
9C5C00068000033	07.07.2011 21:45:17	07.07.2011 21:45:17	33.92	07.07.2011 21:45:17	33.92	07.07.2011 21:47:47	34.08	406059400	406059400.043736
9C5C00072000033	07.07.2011 21:45:18	07.07.2011 21:45:18	34.48	07.07.2011 21:45:18	34.48	07.07.2011 21:46:58	33.56	406059500	406059500.063942
9C5C00076000033	07.07.2011 21:45:19	07.07.2011 21:45:19	34.3	07.07.2011 21:45:19	34.3	07.07.2011 21:46:09	33.7	406060000	406060000.049377
9C5C00080000033	07.07.2011 21:45:20	07.07.2011 21:45:20	33.45	07.07.2011 21:45:20	33.45	07.07.2011 21:46:10	33.59	406059900	406059900.072520
9C5C00084000033	07.07.2011 21:45:21	07.07.2011 21:45:21	33.61	07.07.2011 21:45:21	33.61	07.07.2011 21:46:11	33.4	406059800	406059800.066763
9C5C00088000033	07.07.2011 21:45:22	07.07.2011 21:45:22	33.26	07.07.2011 21:45:22	33.26	07.07.2011 21:46:12	33.78	406059700	406059700.089905
9C5C00092000033	07.07.2011 21:45:23	07.07.2011 21:45:23	34.36	07.07.2011 21:45:23	34.36	07.07.2011 21:46:13	33.73	406059600	406059600.084149
9C5C00096000033	07.07.2011 21:45:24	07.07.2011 21:45:24	33.98	07.07.2011 21:45:24	33.98	07.07.2011 21:46:14	34.39	406059500	406059500.107291
9C5C00100000033	07.07.2011 21:45:25	07.07.2011 21:45:25	33.66	07.07.2011 21:45:25	33.66	07.07.2011 21:46:15	33.71	406059000	406059000.107407
9C5C00104000033	07.07.2011 21:45:26	07.07.2011 21:45:26	34.25	07.07.2011 21:45:26	34.25	07.07.2011 21:46:16	33.25	406059100	406059100.012016
9C5C00108000033	07.07.2011 21:45:27	07.07.2011 21:45:27	33.38	07.07.2011 21:45:27	33.38	07.07.2011 21:46:17	32.96	406059200	406059200.061122
9C5C00112000033	07.07.2011 21:45:28	07.07.2011 21:45:28	33.9	07.07.2011 21:45:28	33.9	07.07.2011 21:46:18	33.75	406059300	406059300.081328
9C5C00116000033	07.07.2011 21:45:29	07.07.2011 21:45:29	32.77	07.07.2011 21:45:29	32.77	07.07.2011 21:46:19	34.57	406059400	406059400.072635
9C5C00120000033	07.07.2011 21:45:30	07.07.2011 21:45:30	33.91	07.07.2011 21:45:30	33.91	07.07.2011 21:46:20	33.47	406059500	406059500.078392
9C5C00124000033	07.07.2011 21:45:31	07.07.2011 21:45:31	34.35	07.07.2011 21:45:31	34.35	07.07.2011 21:46:21	32.44	406060000	406060000.078276
9C5C00128000033	07.07.2011 21:45:32	07.07.2011 21:45:32	34.66	07.07.2011 21:45:32	34.66	07.07.2011 21:46:22	33.98	406059900	406059900.144768
9C5C00132000033	07.07.2011 21:45:33	07.07.2011 21:45:33	32.07	07.07.2011 21:45:33	32.07	07.07.2011 21:46:23	33.98	406059800	406059800.095662
9C5C00136000033	07.07.2011 21:45:34	07.07.2011 21:45:34	33.88	07.07.2011 21:45:34	33.88	07.07.2011 21:46:24	33.73	406059700	406059700.032107
9C5C00140000033	07.07.2011 21:45:35	07.07.2011 21:45:35	34.04	07.07.2011 21:45:35	34.04	07.07.2011 21:46:25	33.25	406059600	406059600.084149
9C5C00144000033	07.07.2011 21:45:36	07.07.2011 21:45:36	33.87	07.07.2011 21:45:36	33.87	07.07.2011 21:46:26	32.97	406059500	406059500.121741
9C5C00148000033	07.07.2011 21:45:37	07.07.2011 21:45:37	33.3	07.07.2011 21:45:37	33.3	07.07.2011 21:46:27	33.58	406059000	406059000.121856
9C5C00152000033	07.07.2011 21:45:38	07.07.2011 21:45:38	33.5	07.07.2011 21:45:38	33.5	07.07.2011 21:46:28	34.57	406059100	406059100.098714
9C5C00156000033	07.07.2011 21:45:39	07.07.2011 21:45:39	34.2	07.07.2011 21:45:39	34.2	07.07.2011 21:46:29	32.84	406059200	406059200.017773
9C5C00160000033	07.07.2011 21:45:40	07.07.2011 21:45:40	34.49	07.07.2011 21:45:40	34.49	07.07.2011 21:46:30	33.21	406059300	406059300.066879
9C5C00164000033	07.07.2011 21:45:41	07.07.2011 21:45:41	34.04	07.07.2011 21:45:41	34.04	07.07.2011 21:46:31	34.13	406059400	406059400.029286
9C5C00168000033	07.07.2011 21:45:42	07.07.2011 21:45:42	35.18	07.07.2011 21:45:42	35.18	07.07.2011 21:46:32	33.26	406059500	406059500.049493
9C5C00172000033	07.07.2011 21:45:43	07.07.2011 21:45:43	33.79	07.07.2011 21:45:43	33.79	07.07.2011 21:46:33	33.92	406060000	406060000.078276
9C5C00176000033	07.07.2011 21:45:44	07.07.2011 21:45:44	33.57	07.07.2011 21:45:44	33.57	07.07.2011 21:46:34	32.84	406059900	406059900.101419
9C5C00180000033	07.07.2011 21:45:45	07.07.2011 21:45:45	33.42	07.07.2011 21:45:45	33.42	07.07.2011 21:46:35	34.85	406059800	406059800.167910
9C5C00184000033	07.07.2011 21:45:46	07.07.2011 21:45:46	34.14	07.07.2011 21:45:46	34.14	07.07.2011 21:46:36	33.48	406059700	406059700.075456
9C5C00188000033	07.07.2011 21:45:47	07.07.2011 21:45:47	34.86	07.07.2011 21:45:47	34.86	07.07.2011 21:46:37	33.57	406059600	406059600.055249
9C5C00192000033	07.07.2011 21:45:48	07.07.2011 21:45:48	33.47	07.07.2011 21:45:48	33.47	07.07.2011 21:46:38	33.1	406059500	406059499.977245
9C5C00196000033	07.07.2011 21:45:49	07.07.2011 21:45:49	33.38	07.07.2011 21:45:49	33.38	07.07.2011 21:46:39	33.55	406060000	406060000.034928
9C5C00200000033	07.07.2011 21:45:50	07.07.2011 21:45:50	33.88	07.07.2011 21:45:50	33.88	07.07.2011 21:46:40	33.01	406059900	406059900.115868

EIRP (dBm) = 32 Date/time of First Burst in Test Script Run 7: 07.07.2011 22:35:01 (GMT+3) Test Script # 6132									
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)	Calibrated Freq Measured by GEOLUT for first Valid Message (Hz)
9C5C00004000032	07.07.2011 22:35:01	07.07.2011 22:36:41	30.3	07.07.2011 22:36:41	30.3	07.07.2011 22:37:31	32.38	406059000	406058999.978694
9C5C00008000032	07.07.2011 22:35:02	07.07.2011 22:35:02	29.47	07.07.2011 22:36:42	30.2	07.07.2011 22:40:02	32.35	406059100	406059099.926652
9C5C00012000032	07.07.2011 22:35:03	07.07.2011 22:35:03	29.77	07.07.2011 22:35:03	29.77	07.07.2011 22:36:43	30.94	406059200	406059199.975757
9C5C00016000032	07.07.2011 22:35:04	07.07.2011 22:35:04	27.73	07.07.2011 22:35:04	27.73	07.07.2011 22:36:44	31.23	406059300	406059299.923716
9C5C00020000032	07.07.2011 22:35:05	07.07.2011 22:35:05	29.64	07.07.2011 22:35:05	29.64	07.07.2011 22:35:55	30.66	406059400	406059399.915023
9C5C00024000032	07.07.2011 22:35:06	07.07.2011 22:35:06	29.46	07.07.2011 22:35:56	30.78	07.07.2011 22:37:36	33.5	406059500	406059499.877431
9C5C00028000032	07.07.2011 22:35:07	07.07.2011 22:35:57	30.44	07.07.2011 22:35:57	30.44	07.07.2011 22:36:47	32.17	406060000	406059999.877315
9C5C00032000032	07.07.2011 22:35:08	07.07.2011 22:36:48	29.45	07.07.2011 22:36:48	29.45	07.07.2011 22:37:38	32.45	406059900	406059899.929357
9C5C00036000032	07.07.2011 22:35:09	07.07.2011 22:35:59	30.08	07.07.2011 22:35:59	30.08	07.07.2011 22:37:39	31.79	406059800	406059800.010298
9C5C00040000032	07.07.2011 22:35:10	07.07.2011 22:35:10	30.35	07.07.2011 22:35:10	30.35	07.07.2011 22:37:40	32.62	406059700	406059700.018991
9C5C00044000032	07.07.2011 22:35:11	07.07.2011 22:35:11	30.98	07.07.2011 22:36:01	30.7	07.07.2011 22:41:51	31.63	406059600	406059599.984335
9C5C00048000032	07.07.2011 22:35:12	07.07.2011 22:35:12	31.23	07.07.2011 22:35:12	31.23	07.07.2011 22:36:02	30.76	406059500	406059499.993028
9C5C00052000032	07.07.2011 22:35:13	07.07.2011 22:35:13	32.54	07.07.2011 22:36:03	30.39	07.07.2011 22:37:43	32.32	406059000	406058999.993143
9C5C00056000032	07.07.2011 22:35:14	07.07.2011 22:35:14	29.4	07.07.2011 22:35:14	29.4	07.07.2011 22:36:04	30.71	406059100	406059099.912202
9C5C00060000032	07.07.2011 22:35:15	07.07.2011 22:35:15	31.87	07.07.2011 22:35:15	31.87	07.07.2011 22:37:45	31.5	406059200	406059199.889060
9C5C00064000032	07.07.2011 22:35:16	07.07.2011 22:35:16	32	07.07.2011 22:35:16	32	07.07.2011 22:36:06	30.9	406059300	406059299.923716
9C5C00068000032	07.07.2011 22:35:17	07.07.2011 22:35:17	31.71	07.07.2011 22:35:17	31.71	07.07.2011 22:36:07	32.95	406059400	406059399.958372
9C5C00072000032	07.07.2011 22:35:18	07.07.2011 22:35:18	31.77	07.07.2011 22:35:18	31.77	07.07.2011 22:36:08	31.62	406059500	406059500.050826
9C5C00076000032	07.07.2011 22:35:19	07.07.2011 22:36:09	32.86	07.07.2011 22:36:09	32.86	07.07.2011 22:36:59	31.9	406060000	406059999.978462
9C5C00080000032	07.07.2011 22:35:20	07.07.2011 22:36:10	32.21	07.07.2011 22:36:10	32.21	07.07.2011 22:37:00	32.46	406059900	406059900.030504
9C5C00084000032	07.07.2011 22:35:21	07.07.2011 22:35:21	29.77	07.07.2011 22:36:11	33.13	07.07.2011 22:37:51	32.8	406059800	406059799.966949
9C5C00088000032	07.07.2011 22:35:22	07.07.2011 22:35:22	29.43	07.07.2011 22:36:12	31.65	07.07.2011 22:37:52	31.22	406059700	406059699.903394
9C5C00092000032	07.07.2011 22:35:23	07.07.2011 22:35:23	29.17	07.07.2011 22:35:23	29.17	07.07.2011 22:36:13	32.7	406059600	406059599.912087
9C5C00096000032	07.07.2011 22:35:24	07.07.2011 22:36:14	30.82	07.07.2011 22:36:14	30.82	07.07.2011 22:38:44	32.56	406059500	406059499.906330
9C5C00100000032	07.07.2011 22:35:25	07.07.2011 22:36:15	30.32	07.07.2011 22:36:15	30.32	07.07.2011 22:37:05	31.21	406059000	406058999.964244
9C5C00104000032	07.07.2011 22:35:26	07.07.2011 22:36:16	31.07	07.07.2011 22:36:16	31.07	07.07.2011 22:37:06	31.88	406059100	406059099.897753
9C5C00108000032	07.07.2011 22:35:27	07.07.2011 22:35:27	28.29	07.07.2011 22:35:27	28.29	07.07.2011 22:36:17	31.91	406059200	406059200.004657
9C5C00112000032	07.07.2011 22:35:28	07.07.2011 22:36:18	30.2	07.07.2011 22:36:18	30.2	07.07.2011 22:37:08	32.19	406059300	406059299.894816
9C5C00116000032	07.07.2011 22:35:29	07.07.2011 22:35:29	29.11	07.07.2011 22:36:19	30.72	07.07.2011 22:37:59	32.99	406059400	406059399.813876
9C5C00120000032	07.07.2011 22:35:30	07.07.2011 22:36:20	29.98	07.07.2011 22:36:20	29.98	07.07.2011 22:37:10	31.92	406059500	406059499.993028
9C5C00124000032	07.07.2011 22:35:31	07.07.2011 22:36:21	29.59	07.07.2011 22:36:21	29.59	07.07.2011 22:37:11	32.84	406060000	406059999.935114
9C5C00128000032	07.07.2011 22:35:32	07.07.2011 22:37:12	30.05	07.07.2011 22:37:12	30.05	07.07.2011 22:38:02	31.41	406059900	406059899.958256
9C5C00132000032	07.07.2011 22:35:33	07.07.2011 22:36:23	29.27	07.07.2011 22:36:23	29.27	07.07.2011 22:37:13	31.32	406059800	406059799.966949
9C5C00136000032	07.07.2011 22:35:34	07.07.2011 22:35:34	29.6	07.07.2011 22:36:24	30.05	07.07.2011 22:38:04	32.11	406059700	406059699.903394
9C5C00140000032	07.07.2011 22:35:35	07.07.2011 22:35:35	29.05	07.07.2011 22:35:35	29.05	07.07.2011 22:36:25	30.31	406059600	406059599.984335
9C5C00144000032	07.07.2011 22:35:36	07.07.2011 22:36:26	29.82	07.07.2011 22:36:26	29.82	07.07.2011 22:37:16	32.19	406059500	406059500.065276
9C5C00148000032	07.07.2011 22:35:37	07.07.2011 22:36:27	30.39	07.07.2011 22:36:27	30.39	07.07.2011 22:37:17	32.75	406059000	406059000.022042
9C5C00152000032	07.07.2011 22:35:38	07.07.2011 22:35:38	29.4	07.07.2011 22:37:18	31.64	07.07.2011 22:38:58	31.67	406059100	406059099.897753
9C5C00156000032	07.07.2011 22:35:39	07.07.2011 22:35:39	28.78	07.07.2011 22:36:29	31.48	07.07.2011 22:38:09	31.27	406059200	406059199.932409
9C5C00160000032	07.07.2011 22:35:40	07.07.2011 22:36:30	30.3	07.07.2011 22:36:30	30.3	07.07.2011 22:37:20	31.79	406059300	406059299.923716
9C5C00164000032	07.07.2011 22:35:41	07.07.2011 22:36:31	30.89	07.07.2011 22:36:31	30.89	07.07.2011 22:37:21	31.85	406059400	406059399.886124
9C5C00168000032	07.07.2011 22:35:42	07.07.2011 22:36:32	30.3	07.07.2011 22:36:32	30.3	07.07.2011 22:38:12	32.15	406059500	406059499.978578
9C5C00172000032	07.07.2011 22:35:43	07.07.2011 22:35:43	29.89	07.07.2011 22:37:23	31.95	07.07.2011 22:38:13	33.16	406060000	406059999.920664
9C5C00176000032	07.07.2011 22:35:44	07.07.2011 22:36:34	31.57	07.07.2011 22:36:34	31.57	07.07.2011 22:37:24	32.02	406059900	406059899.972706
9C5C00180000032	07.07.2011 22:35:45	07.07.2011 22:36:35	30.53	07.07.2011 22:36:35	30.53	07.07.2011 22:38:15	32.3	406059800	406059799.938050
9C5C00184000032	07.07.2011 22:35:46	07.07.2011 22:36:36	30.57	07.07.2011 22:36:36	30.57	07.07.2011 22:37:26	31.94	406059700	406059699.961192
9C5C00188000032	07.07.2011 22:35:47	07.07.2011 22:36:37	30.38	07.07.2011 22:36:37	30.38	07.07.2011 22:37:27	32.94	406059600	406059599.897637
9C5C00192000032	07.07.2011 22:35:48	07.07.2011 22:35:48	29.25	07.07.2011 22:35:48	29.25	07.07.2011 22:36:38	31.8	406059500	406059499.993028
9C5C00196000032	07.07.2011 22:35:49	07.07.2011 22:36:39	30.57	07.07.2011 22:36:39	30.57	07.07.2011 22:38:19	31.64	406060000	406059999.949563
9C5C00200000033	07.07.2011 21:45:50	07.07.2011 21:45:50	33.88	07.07.2011 21:45:50	33.88	07.07.2011 21:46:40	33.01	406059900	406059899.929357

EIRP (dBm) = 31 Date/time of First Burst in Test Script Run 8: 07.07.2011 23:00:01 (GMT+3) Test Script # 6131									
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)	Calibrated Freq Measured by GEOLUT for first Valid Message (Hz)
9C5C00004000031	07.07.2011 23:00:01	07.07.2011 23:00:51	31.04	07.07.2011 23:00:51	31.04	07.07.2011 23:02:31	31.64	406059000	406059000.124337
9C5C00008000031	07.07.2011 23:00:02	07.07.2011 23:00:02	32.77	07.07.2011 23:00:02	32.77	07.07.2011 23:00:52	32.03	406059100	406059100.057846
9C5C00012000031	07.07.2011 23:00:03	07.07.2011 23:00:03	32.01	07.07.2011 23:00:03	32.01	07.07.2011 23:01:43	31.07	406059200	406059200.179199
9C5C00016000031	07.07.2011 23:00:04	07.07.2011 23:00:04	30.1	07.07.2011 23:00:04	30.1	07.07.2011 23:00:54	32.56	406059300	406059300.011561
9C5C00020000031	07.07.2011 23:00:05	07.07.2011 23:00:55	32.49	07.07.2011 23:00:55	32.49	07.07.2011 23:02:35	31.45	406059400	406059400.017317
9C5C00024000031	07.07.2011 23:00:06	07.07.2011 23:00:06	30.91	07.07.2011 23:00:06	30.91	07.07.2011 23:00:56	30.96	406059500	406059500.066423
9C5C00028000031	07.07.2011 23:00:07	07.07.2011 23:00:07	30.91	07.07.2011 23:00:07	30.91	07.07.2011 23:00:57	30.67	406060000	406060000.080757
9C5C00032000031	07.07.2011 23:00:08	07.07.2011 23:00:08	31.04	07.07.2011 23:00:08	31.04	07.07.2011 23:01:48	30.98	406059900	406059900.017202
9C5C00036000031	07.07.2011 23:00:09	07.07.2011 23:00:09	29.64	07.07.2011 23:00:09	29.64	07.07.2011 23:00:59	31.97	406059800	406059799.996995
9C5C00040000031	07.07.2011 23:00:10	07.07.2011 23:00:10	30.59	07.07.2011 23:00:10	30.59	07.07.2011 23:01:00	31.73	406059700	406059700.020138
9C5C00044000031	07.07.2011 23:00:11	07.07.2011 23:01:51	31.61	07.07.2011 23:01:51	31.61	07.07.2011 23:02:41	32.61	406059600	406059600.144428
9C5C00048000031	07.07.2011 23:00:12	07.07.2011 23:01:02	31.07	07.07.2011 23:01:02	31.07	07.07.2011 23:01:52	31.1	406059500	406059500.124221
9C5C00052000031	07.07.2011 23:00:13	07.07.2011 23:00:13	31.75	07.07.2011 23:00:13	31.75	07.07.2011 23:01:03	30.9	406059000	406059000.066538
9C5C00056000031	07.07.2011 23:00:14	07.07.2011 23:01:04	31.31	07.07.2011 23:01:04	31.31	07.07.2011 23:01:54	31.42	406059100	406059100.101194
9C5C00060000031	07.07.2011 23:00:15	07.07.2011 23:00:15	30.96	07.07.2011 23:01:05	30.85	07.07.2011 23:03:35	31.69	406059200	406059199.933556
9C5C00064000031	07.07.2011 23:00:16	07.07.2011 23:01:06	31.96	07.07.2011 23:01:06	31.96	07.07.2011 23:01:56	31.55	406059300	406059300.112708
9C5C00068000031	07.07.2011 23:00:17	07.07.2011 23:00:17	30.92	07.07.2011 23:00:17	30.92	07.07.2011 23:01:07	31.35	406059400	406059400.075116
9C5C00072000031	07.07.2011 23:00:18	07.07.2011 23:01:58	32.06	07.07.2011 23:01:58	32.06	07.07.2011 23:02:48	31.79	406059500	406059500.138671
9C5C00076000031	07.07.2011 23:00:19	07.07.2011 23:01:09	31.53	07.07.2011 23:01:09	31.53	07.07.2011 23:07:49	31.17	406060000	406060000.095207
9C5C00080000031	07.07.2011 23:00:20	07.07.2011 23:01:10	31.34	07.07.2011 23:01:10	31.34	07.07.2011 23:02:00	32.85	406059900	406059900.031651
9C5C00084000031	07.07.2011 23:00:21	07.07.2011 23:00:21	31.23	07.07.2011 23:00:21	31.23	07.07.2011 23:02:01	32.06	406059800	406059800.011445
9C5C00088000031	07.07.2011 23:00:22	07.07.2011 23:00:22	33.01	07.07.2011 23:00:22	33.01	07.07.2011 23:01:12	30.35	406059700	406059699.933440
9C5C00092000031	07.07.2011 23:00:23	07.07.2011 23:00:23	31.28	07.07.2011 23:00:23	31.28	07.07.2011 23:01:13	30.73	406059600	406059600.014381
9C5C00096000031	07.07.2011 23:00:24	07.07.2011 23:00:24	32.26	07.07.2011 23:00:24	32.26	07.07.2011 23:01:14	32.17	406059500	406059500.124221
9C5C00100000031	07.07.2011 23:00:25	07.07.2011 23:00:25	33.09	07.07.2011 23:00:25	33.09	07.07.2011 23:01:15	31.2	406059000	406059000.109887
9C5C00104000031	07.07.2011 23:00:26	07.07.2011 23:00:26	31.33	07.07.2011 23:00:26	31.33	07.07.2011 23:02:06	31.22	406059100	406059100.028946
9C5C00108000031	07.07.2011 23:00:27	07.07.2011 23:01:17	31.42	07.07.2011 23:01:17	31.42	07.07.2011 23:02:07	32.02	406059200	406059200.020253
9C5C00112000031	07.07.2011 23:00:28	07.07.2011 23:00:28	31.74	07.07.2011 23:01:18	31.91	07.07.2011 23:02:58	31.67	406059300	406059299.982661
9C5C00116000031	07.07.2011 23:00:29	07.07.2011 23:00:29	30.75	07.07.2011 23:00:29	30.75	07.07.2011 23:01:19	32.29	406059400	406059400.046217
9C5C00120000031	07.07.2011 23:00:30	07.07.2011 23:00:30	30.93	07.07.2011 23:00:30	30.93	07.07.2011 23:01:20	30.78	406059500	406059500.037524
9C5C00124000031	07.07.2011 23:00:31	07.07.2011 23:00:31	30.53	07.07.2011 23:00:31	30.53	07.07.2011 23:01:21	31.35	406060000	406059999.965160
9C5C00128000031	07.07.2011 23:00:32	07.07.2011 23:01:22	31.48	07.07.2011 23:01:22	31.48	07.07.2011 23:02:12	32.76	406059900	406059900.031651
9C5C00132000031	07.07.2011 23:00:33	07.07.2011 23:00:33	30.91	07.07.2011 23:00:33	30.91	07.07.2011 23:01:23	30.82	406059800	406059800.011445
9C5C00136000031	07.07.2011 23:00:34	07.07.2011 23:00:34	30.99	07.07.2011 23:00:34	30.99	07.07.2011 23:01:24	31.14	406059700	406059700.063487
9C5C00140000031	07.07.2011 23:00:35	07.07.2011 23:00:35	31.44	07.07.2011 23:01:25	31.71	07.07.2011 23:03:05	30.99	406059600	406059600.144428
9C5C00144000031	07.07.2011 23:00:36	07.07.2011 23:00:36	31.13	07.07.2011 23:00:36	31.13	07.07.2011 23:01:26	32.37	406059500	406059499.994175
9C5C00148000031	07.07.2011 23:00:37	07.07.2011 23:00:37	31.57	07.07.2011 23:00:37	31.57	07.07.2011 23:02:17	31.13	406059000	406059000.052089
9C5C00152000031	07.07.2011 23:00:38	07.07.2011 23:00:38	32.05	07.07.2011 23:00:38	32.05	07.07.2011 23:01:28	31.77	406059100	406059100.000047
9C5C00156000031	07.07.2011 23:00:39	07.07.2011 23:01:29	32.18	07.07.2011 23:01:29	32.18	07.07.2011 23:02:19	31.84	406059200	406059200.092502
9C5C00160000031	07.07.2011 23:00:40	07.07.2011 23:00:40	31.3	07.07.2011 23:00:40	31.3	07.07.2011 23:01:30	30.76	406059300	406059300.098258
9C5C00164000031	07.07.2011 23:00:41	07.07.2011 23:00:41	31.18	07.07.2011 23:00:41	31.18	07.07.2011 23:01:31	30.18	406059400	406059400.031767
9C5C00168000031	07.07.2011 23:00:42	07.07.2011 23:02:22	31.51	07.07.2011 23:02:22	31.51	07.07.2011 23:04:02	31.73	406059500	406059500.037524
9C5C00172000031	07.07.2011 23:00:43	07.07.2011 23:00:43	30.24	07.07.2011 23:00:43	30.24	07.07.2011 23:01:33	31.43	406060000	406060000.109656
9C5C00176000031	07.07.2011 23:00:44	07.07.2011 23:00:44	31.33	07.07.2011 23:00:44	31.33	07.07.2011 23:01:34	30.74	406059900	406059900.161698
9C5C00180000031	07.07.2011 23:00:45	07.07.2011 23:01:35	31.34	07.07.2011 23:01:35	31.34	07.07.2011 23:02:25	31.32	406059800	406059799.996995
9C5C00184000031	07.07.2011 23:00:46	07.07.2011 23:00:46	30.41	07.07.2011 23:00:46	30.41	07.07.2011 23:01:36	32.52	406059700	406059700.005688
9C5C00188000031	07.07.2011 23:00:47	07.07.2011 23:00:47	32.15	07.07.2011 23:00:47	32.15	07.07.2011 23:01:37	30.94	406059600	406059600.129978
9C5C00192000031	07.07.2011 23:00:48	07.07.2011 23:03:18	31.8	07.07.2011 23:03:18	31.8	07.07.2011 23:04:08	30.9	406059500	406059500.051973
9C5C00196000031	07.07.2011 23:00:49	07.07.2011 23:01:39	30.57	07.07.2011 23:01:39	30.57	07.07.2011 23:07:29	31.36	406060000	406059999.979610
9C5C00200000033	07.07.2011 21:45:50	07.07.2011 21:45:50	33.88	07.07.2011 21:45:50	33.88	07.07.2011 21:46:40	33.01	406059900	406059900.103899

EIRP (dBm) = 30 Date/time of First Burst in Test Script Run 9: 07.07.2011 23:25:01 (GMT+3) Test Script # 6130									
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)	Calibrated Freq Measured by GEOLUT for first Valid Message (Hz)
9C5C00004000030	07.07.2011 23:25:01	07.07.2011 23:25:51	31.32	07.07.2011 23:25:51	31.32	07.07.2011 23:27:31	31.12	406059000	406059000.118833
9C5C00008000030	07.07.2011 23:25:02	07.07.2011 23:25:02	30.15	07.07.2011 23:25:02	30.15	07.07.2011 23:26:42	29.29	406059100	406059100.095691
9C5C00012000030	07.07.2011 23:25:03	07.07.2011 23:25:03	30.7	07.07.2011 23:25:03	30.7	07.07.2011 23:26:43	29.87	406059200	406059200.159246
9C5C00016000030	07.07.2011 23:25:04	07.07.2011 23:25:54	29.73	07.07.2011 23:25:54	29.73	07.07.2011 23:27:34	30.43	406059300	406059300.092754
9C5C00020000030	07.07.2011 23:25:05	07.07.2011 23:25:55	30.49	07.07.2011 23:25:55	30.49	07.07.2011 23:26:45	31.29	406059400	406059400.199658
9C5C00024000030	07.07.2011 23:25:06	07.07.2011 23:25:56	29.06	07.07.2011 23:25:56	29.06	07.07.2011 23:27:36	30.5	406059500	406059500.118717
9C5C00028000030	07.07.2011 23:25:07	07.07.2011 23:25:57	30.99	07.07.2011 23:25:57	30.99	07.07.2011 23:26:47	30.83	406060000	406060000.089703
9C5C00032000030	07.07.2011 23:25:08	07.07.2011 23:25:08	30.4	07.07.2011 23:25:08	30.4	07.07.2011 23:26:48	30.06	406059900	406059900.127295
9C5C00036000030	07.07.2011 23:25:09	07.07.2011 23:25:59	30.11	07.07.2011 23:25:59	30.11	07.07.2011 23:27:39	30.44	406059800	406059800.121538
9C5C00040000030	07.07.2011 23:25:10	07.07.2011 23:25:10	29.99	07.07.2011 23:25:10	29.99	07.07.2011 23:26:00	29.33	406059700	406059700.057983
9C5C00044000030	07.07.2011 23:25:11	07.07.2011 23:25:11	30.12	07.07.2011 23:25:11	30.12	07.07.2011 23:26:51	29.94	406059600	406059600.196722
9C5C00048000030	07.07.2011 23:25:12	07.07.2011 23:26:02	30.33	07.07.2011 23:26:52	30.24	07.07.2011 23:35:12	30.58	406059500	406059499.945322
9C5C00052000030	07.07.2011 23:25:13	07.07.2011 23:26:03	29.95	07.07.2011 23:26:03	29.95	07.07.2011 23:26:53	29.88	406059000	406059000.003236
9C5C00056000030	07.07.2011 23:25:14	07.07.2011 23:25:14	28.43	07.07.2011 23:26:04	29.97	07.07.2011 23:28:34	31.04	406059100	406059100.081241
9C5C00060000030	07.07.2011 23:25:15	07.07.2011 23:26:05	29.93	07.07.2011 23:26:05	29.93	07.07.2011 23:30:15	30.62	406059200	406059200.086998
9C5C00064000030	07.07.2011 23:25:16	07.07.2011 23:26:06	29.55	07.07.2011 23:26:06	29.55	07.07.2011 23:26:56	31.06	406059300	406059300.136103
9C5C00068000030	07.07.2011 23:25:17	07.07.2011 23:26:07	30.01	07.07.2011 23:26:07	30.01	07.07.2011 23:27:47	29.59	406059400	406059400.040713
9C5C00072000030	07.07.2011 23:25:18	07.07.2011 23:26:08	31.54	07.07.2011 23:26:08	31.54	07.07.2011 23:26:58	30.79	406059500	406059500.075369
9C5C00076000030	07.07.2011 23:25:19	07.07.2011 23:26:09	30.74	07.07.2011 23:26:09	30.74	07.07.2011 23:26:59	31.29	406060000	406060000.161951
9C5C00080000030	07.07.2011 23:25:20	07.07.2011 23:26:10	30.65	07.07.2011 23:27:50	30.32	07.07.2011 23:37:00	29.91	406059900	406059900.170644
9C5C00084000030	07.07.2011 23:25:21	07.07.2011 23:25:21	30.02	07.07.2011 23:25:21	30.02	07.07.2011 23:27:01	30.56	406059800	406059800.135988
9C5C00088000030	07.07.2011 23:25:22	07.07.2011 23:26:12	29.98	07.07.2011 23:26:12	29.98	07.07.2011 23:27:52	31.56	406059700	406059700.057983
9C5C00092000030	07.07.2011 23:25:23	07.07.2011 23:25:23	30.62	07.07.2011 23:25:23	30.62	07.07.2011 23:26:13	29.11	406059600	406059600.182273
9C5C00096000030	07.07.2011 23:25:24	07.07.2011 23:25:24	29.56	07.07.2011 23:27:04	29.89	07.07.2011 23:28:44	30.16	406059500	406059500.147617
9C5C00100000030	07.07.2011 23:25:25	07.07.2011 23:26:15	29.7	07.07.2011 23:26:15	29.7	07.07.2011 23:28:45	30.95	406059000	406059000.089934
9C5C00104000030	07.07.2011 23:25:26	07.07.2011 23:25:26	30.25	07.07.2011 23:25:26	30.25	07.07.2011 23:26:16	31.17	406059100	406059100.182388
9C5C00108000030	07.07.2011 23:25:27	07.07.2011 23:25:27	30.46	07.07.2011 23:25:27	30.46	07.07.2011 23:27:07	30.82	406059200	406059200.144796
9C5C00112000030	07.07.2011 23:25:28	07.07.2011 23:26:18	30.04	07.07.2011 23:26:18	30.04	07.07.2011 23:27:08	31.61	406059300	406059300.078305
9C5C00116000030	07.07.2011 23:25:29	07.07.2011 23:25:29	29.18	07.07.2011 23:25:29	29.18	07.07.2011 23:27:59	31.06	406059400	406059400.170759
9C5C00120000030	07.07.2011 23:25:30	07.07.2011 23:25:30	29.63	07.07.2011 23:25:30	29.63	07.07.2011 23:26:20	30.64	406059500	406059500.133167
9C5C00124000030	07.07.2011 23:25:31	07.07.2011 23:26:21	29.3	07.07.2011 23:26:21	29.3	07.07.2011 23:27:11	30.69	406060000	406060000.147501
9C5C00128000030	07.07.2011 23:25:32	07.07.2011 23:25:32	31.13	07.07.2011 23:25:32	31.13	07.07.2011 23:26:22	30.49	406059900	406059900.185093
9C5C00132000030	07.07.2011 23:25:33	07.07.2011 23:26:23	30.04	07.07.2011 23:26:23	30.04	07.07.2011 23:28:03	30.89	406059800	406059800.121538
9C5C00136000030	07.07.2011 23:25:34	07.07.2011 23:25:34	29.72	07.07.2011 23:26:24	30.11	07.07.2011 23:28:54	29.04	406059700	406059700.173580
9C5C00140000030	07.07.2011 23:25:35	07.07.2011 23:25:35	30.96	07.07.2011 23:25:35	30.96	07.07.2011 23:27:15	29.32	406059600	406059600.037777
9C5C00144000030	07.07.2011 23:25:36	07.07.2011 23:28:06	30.05	07.07.2011 23:28:06	30.05	07.07.2011 23:29:46	30.47	406059500	406059500.060919
9C5C00148000030	07.07.2011 23:25:37	07.07.2011 23:26:27	29.25	07.07.2011 23:26:27	29.25	07.07.2011 23:27:17	31.24	406059000	406059000.118833
9C5C00152000030	07.07.2011 23:25:38	07.07.2011 23:25:38	30.08	07.07.2011 23:25:38	30.08	07.07.2011 23:27:18	31.07	406059100	406059100.110140
9C5C00156000030	07.07.2011 23:25:39	07.07.2011 23:26:29	29.41	07.07.2011 23:26:29	29.41	07.07.2011 23:31:29	29.02	406059200	406059200.086998
9C5C00160000030	07.07.2011 23:25:40	07.07.2011 23:26:30	30.14	07.07.2011 23:26:30	30.14	07.07.2011 23:27:20	30.22	406059300	406059300.078305
9C5C00164000030	07.07.2011 23:25:41	07.07.2011 23:25:41	29.77	07.07.2011 23:25:41	29.77	07.07.2011 23:26:31	31.51	406059400	406059400.098511
9C5C00168000030	07.07.2011 23:25:42	07.07.2011 23:27:22	31.13	07.07.2011 23:27:22	31.13	07.07.2011 23:34:52	29.25	406059500	406059500.133167
9C5C00172000030	07.07.2011 23:25:43	07.07.2011 23:25:43	30.36	07.07.2011 23:25:43	30.36	07.07.2011 23:26:33	31.69	406060000	406060000.118602
9C5C00176000030	07.07.2011 23:25:44	07.07.2011 23:25:44	30.46	07.07.2011 23:27:24	29.61	07.07.2011 23:29:04	31.18	406059900	406059900.156194
9C5C00180000030	07.07.2011 23:25:45	07.07.2011 23:26:35	31.43	07.07.2011 23:29:05	29.92	07.07.2011 23:30:45	30.12	406059800	406059800.222685
9C5C00184000030	07.07.2011 23:25:46	07.07.2011 23:25:46	30.6	07.07.2011 23:27:26	30.66	07.07.2011 23:29:06	30.12	406059700	406059700.101332
9C5C00188000030	07.07.2011 23:25:47	07.07.2011 23:26:37	30.25	07.07.2011 23:26:37	30.25	07.07.2011 23:28:17	30.79	406059600	406059600.052226
9C5C00192000030	07.07.2011 23:25:48	07.07.2011 23:27:28	30.12	07.07.2011 23:27:28	30.12	07.07.2011 23:29:08	31.43	406059500	406059500.147617
9C5C00196000030	07.07.2011 23:25:49	07.07.2011 23:26:39	30.5	07.07.2011 23:26:39	30.5	07.07.2011 23:27:29	30.41	406060000	406060000.046354
9C5C00200000033	07.07.2011 21:45:50	07.07.2011 21:45:50	33.88	07.07.2011 21:45:50	33.88	07.07.2011 21:46:40	33.01	406059900	406059900.112845

EIRP (dBm) = 29 Date/time of First Burst in Test Script Run 9: 08.07.2011 00:10:02 (GMT+3) Test Script # 6129									
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)	Calibrated Freq Measured by GEOLUT for first Valid Message (Hz)
9C5C00004000029	08.07.2011 00:10:02	08.07.2011 00:10:52	32.2	08.07.2011 00:10:52	32.2	08.07.2011 00:13:22	29.29	406059000	406059000.200190
9C5C00008000029	08.07.2011 00:10:03	08.07.2011 00:10:03	30.52	08.07.2011 00:10:03	30.52	08.07.2011 00:10:53	31.63	406059100	406059100.177047
9C5C00012000029	08.07.2011 00:10:04	08.07.2011 00:10:54	29.93	08.07.2011 00:10:54	29.93	08.07.2011 00:15:04	29.79	406059200	406059200.197254
9C5C00016000029	08.07.2011 00:10:05	08.07.2011 00:10:05	28.38	08.07.2011 00:10:05	28.38	08.07.2011 00:10:55	30.99	406059300	406059300.188561
9C5C00020000029	08.07.2011 00:10:06	08.07.2011 00:10:06	30.44	08.07.2011 00:10:06	30.44	08.07.2011 00:10:56	30.82	406059400	406059400.194318
9C5C00024000029	08.07.2011 00:10:07	08.07.2011 00:10:07	30.01	08.07.2011 00:10:07	30.01	08.07.2011 00:22:37	30.49	406059500	406059500.214524
9C5C00028000029	08.07.2011 00:10:08	08.07.2011 00:10:58	30	08.07.2011 00:10:58	30	08.07.2011 00:12:38	28.36	406060000	406060000.257757
9C5C00032000029	08.07.2011 00:10:09	08.07.2011 00:10:09	29.49	08.07.2011 00:10:09	29.49	08.07.2011 00:10:59	30.47	406059900	406059900.252000
9C5C00036000029	08.07.2011 00:10:10	08.07.2011 00:10:10	31.31	08.07.2011 00:10:10	31.31	08.07.2011 00:11:50	30.05	406059800	406059800.246244
9C5C00040000029	08.07.2011 00:10:11	08.07.2011 00:10:11	29.93	08.07.2011 00:10:11	29.93	08.07.2011 00:11:51	29.41	406059700	406059700.240487
9C5C00044000029	08.07.2011 00:10:12	08.07.2011 00:11:02	29.88	08.07.2011 00:11:52	30.79	08.07.2011 00:14:22	30.6	406059600	406059600.220281
9C5C00048000029	08.07.2011 00:10:13	08.07.2011 00:10:13	29.4	08.07.2011 00:10:13	29.4	08.07.2011 00:11:53	29.34	406059500	406059500.185625
9C5C00052000029	08.07.2011 00:10:14	08.07.2011 00:10:14	29.69	08.07.2011 00:11:04	30.17	08.07.2011 00:16:54	30.1	406059000	406059000.185740
9C5C00056000029	08.07.2011 00:10:15	08.07.2011 00:10:15	30.15	08.07.2011 00:10:15	30.15	08.07.2011 00:11:55	28.62	406059100	406059100.234846
9C5C00060000029	08.07.2011 00:10:16	08.07.2011 00:11:06	29.09	08.07.2011 00:11:06	29.09	08.07.2011 00:12:46	29.91	406059200	406059200.197254
9C5C00064000029	08.07.2011 00:10:17	08.07.2011 00:10:17	30.39	08.07.2011 00:10:17	30.39	08.07.2011 00:11:57	27.63	406059300	406059300.217460
9C5C00068000029	08.07.2011 00:10:18	08.07.2011 00:10:18	30.55	08.07.2011 00:10:18	30.55	08.07.2011 00:11:58	29.35	406059400	406059400.150969
9C5C00072000029	08.07.2011 00:10:19	08.07.2011 00:10:19	31.16	08.07.2011 00:10:19	31.16	08.07.2011 00:13:39	29.5	406059500	406059500.214524
9C5C00076000029	08.07.2011 00:10:20	08.07.2011 00:10:20	30.06	08.07.2011 00:11:10	30.41	08.07.2011 00:16:10	31.14	406060000	406060000.199959
9C5C00080000029	08.07.2011 00:10:21	08.07.2011 00:10:21	29.89	08.07.2011 00:10:21	29.89	08.07.2011 00:12:51	29.84	406059900	406059900.237551
9C5C00084000029	08.07.2011 00:10:22	08.07.2011 00:10:22	31.63	08.07.2011 00:10:22	31.63	08.07.2011 00:11:12	30.77	406059800	406059800.231794
9C5C00088000029	08.07.2011 00:10:23	08.07.2011 00:10:23	30.7	08.07.2011 00:10:23	30.7	08.07.2011 00:11:13	30.98	406059700	406059700.182688
9C5C00092000029	08.07.2011 00:10:24	08.07.2011 00:11:14	31.45	08.07.2011 00:11:14	31.45	08.07.2011 00:12:54	28.9	406059600	406059600.220281
9C5C00096000029	08.07.2011 00:10:25	08.07.2011 00:10:25	31.3	08.07.2011 00:10:25	31.3	08.07.2011 00:11:15	31.61	406059500	406059500.228974
9C5C00100000029	08.07.2011 00:10:26	08.07.2011 00:10:26	32.3	08.07.2011 00:15:26	28.86	08.07.2011 00:17:06	30.45	406059000	406059000.156841
9C5C00104000029	08.07.2011 00:10:27	08.07.2011 00:10:27	31.13	08.07.2011 00:10:27	31.13	08.07.2011 00:11:17	31.92	406059100	406059100.220396
9C5C00108000029	08.07.2011 00:10:28	08.07.2011 00:10:28	31.91	08.07.2011 00:10:28	31.91	08.07.2011 00:14:38	29.66	406059200	406059200.153905
9C5C00112000029	08.07.2011 00:10:29	08.07.2011 00:11:19	31.36	08.07.2011 00:11:19	31.36	08.07.2011 00:12:59	30.7	406059300	406059300.246359
9C5C00116000029	08.07.2011 00:10:30	08.07.2011 00:10:30	30.38	08.07.2011 00:13:00	30.09	08.07.2011 00:14:40	29.27	406059400	406059400.179868
9C5C00120000029	08.07.2011 00:10:31	08.07.2011 00:10:31	29.54	08.07.2011 00:10:31	29.54	08.07.2011 00:14:41	29.53	406059500	406059500.185625
9C5C00124000029	08.07.2011 00:10:32	08.07.2011 00:11:22	30.73	08.07.2011 00:11:22	30.73	08.07.2011 00:13:02	29.92	406060000	406060000.185509
9C5C00128000029	08.07.2011 00:10:33	08.07.2011 00:10:33	30.65	08.07.2011 00:10:33	30.65	08.07.2011 00:12:13	29.77	406059900	406059900.223101
9C5C00132000029	08.07.2011 00:10:34	08.07.2011 00:10:34	30.74	08.07.2011 00:13:04	29.85	08.07.2011 00:13:54	30.67	406059800	406059800.246244
9C5C00136000029	08.07.2011 00:10:35	08.07.2011 00:10:35	30.61	08.07.2011 00:10:35	30.61	08.07.2011 00:12:15	28.88	406059700	406059700.226037
9C5C00140000029	08.07.2011 00:10:36	08.07.2011 00:10:36	30.04	08.07.2011 00:13:06	29.84	08.07.2011 00:13:56	31.18	406059600	406059600.205831
9C5C00144000029	08.07.2011 00:10:37	08.07.2011 00:10:37	31.52	08.07.2011 00:10:37	31.52	08.07.2011 00:13:57	30.5	406059500	406059500.142276
9C5C00148000029	08.07.2011 00:10:38	08.07.2011 00:10:38	31.09	08.07.2011 00:10:38	31.09	08.07.2011 00:11:28	30.36	406059000	406059000.229089
9C5C00152000029	08.07.2011 00:10:39	08.07.2011 00:10:39	30.14	08.07.2011 00:10:39	30.14	08.07.2011 00:11:29	29.34	406059100	406059100.220396
9C5C00156000029	08.07.2011 00:10:40	08.07.2011 00:10:40	31.55	08.07.2011 00:10:40	31.55	08.07.2011 00:12:20	30.03	406059200	406059200.211703
9C5C00160000029	08.07.2011 00:10:41	08.07.2011 00:11:31	31.68	08.07.2011 00:11:31	31.68	08.07.2011 00:13:11	30.18	406059300	406059300.217460
9C5C00164000029	08.07.2011 00:10:42	08.07.2011 00:10:42	33.03	08.07.2011 00:10:42	33.03	08.07.2011 00:11:32	29.39	406059400	406059400.208767
9C5C00168000029	08.07.2011 00:10:43	08.07.2011 00:10:43	32.5	08.07.2011 00:10:43	32.5	08.07.2011 00:14:53	30.21	406059500	406059500.257873
9C5C00172000029	08.07.2011 00:10:44	08.07.2011 00:10:44	31.17	08.07.2011 00:10:44	31.17	08.07.2011 00:16:34	29.41	406060000	406060000.214408
9C5C00176000029	08.07.2011 00:10:45	08.07.2011 00:10:45	31.14	08.07.2011 00:10:45	31.14	08.07.2011 00:11:35	31.16	406059900	406059900.194202
9C5C00180000029	08.07.2011 00:10:46	08.07.2011 00:10:46	32.08	08.07.2011 00:10:46	32.08	08.07.2011 00:12:26	28.63	406059800	406059800.202895
9C5C00184000029	08.07.2011 00:10:47	08.07.2011 00:10:47	31.61	08.07.2011 00:13:17	30.03	08.07.2011 00:14:57	29.16	406059700	406059700.226037
9C5C00188000029	08.07.2011 00:10:48	08.07.2011 00:10:48	31.46	08.07.2011 00:10:48	31.46	08.07.2011 00:19:08	30.39	406059600	406059600.176932
9C5C00192000029	08.07.2011 00:10:49	08.07.2011 00:10:49	31.82	08.07.2011 00:10:49	31.82	08.07.2011 00:14:59	27.72	406059500	406059500.257873
9C5C00196000029	08.07.2011 00:10:50	08.07.2011 00:10:50	32.5	08.07.2011 00:11:40	31.25	08.07.2011 00:15:00	28.62	406060000	406060000.214408
9C5C00200000029	08.07.2011 00:10:51	08.07.2011 00:10:51	32.53	08.07.2011 00:10:51	32.53	08.07.2011 00:15:01	29.33	406059900	406059900.194202

EIRP (dBm) = 28 Date/time of First Burst in Test Script Run 9: 08.07.2011 00:40:01 (GMT+3) Test Script # 6128									
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)	Calibrated Freq Measured by GEOLUT for first Valid Message (Hz)
9C5C00004000028	08.07.2011 00:40:01	08.07.2011 00:43:21	28,28	08.07.2011 00:43:21	28,28	08.07.2011 00:45:51	28,41	406059000	406059000.253833
9C5C00008000028	08.07.2011 00:40:02	08.07.2011 00:40:52	29,86	08.07.2011 00:40:52	29,86	08.07.2011 00:43:22	28,52	406059100	406059100.230691
9C5C00012000028	08.07.2011 00:40:03	08.07.2011 00:41:43	29,16	08.07.2011 00:41:43	29,16	08.07.2011 00:43:23	28,34	406059200	406059200.294246
9C5C00016000028	08.07.2011 00:40:04	08.07.2011 00:40:54	29,84	08.07.2011 00:40:54	29,84	08.07.2011 00:42:34	29,52	406059300	406059300.227754
9C5C00020000028	08.07.2011 00:40:05	08.07.2011 00:41:45	28,75	08.07.2011 00:41:45	28,75	08.07.2011 00:45:05	27,86	406059400	406059400.334658
9C5C00024000028	08.07.2011 00:40:06	08.07.2011 00:47:36	28,1	08.07.2011 00:47:36	28,1	Not produced		406059500	406059500.253717
9C5C00028000028	08.07.2011 00:40:07	08.07.2011 00:40:57	28,4	08.07.2011 00:40:57	28,4	08.07.2011 00:49:17	30,66	406060000	406060000.224703
9C5C00032000028	08.07.2011 00:40:08	08.07.2011 00:40:58	28,58	08.07.2011 00:40:58	28,58	08.07.2011 00:44:18	27,69	406059900	406059900.262295
9C5C00036000028	08.07.2011 00:40:09	08.07.2011 00:40:59	28,5	08.07.2011 00:40:59	28,5	08.07.2011 00:50:09	28,89	406059800	406059800.256538
9C5C00040000028	08.07.2011 00:40:10	08.07.2011 00:41:00	28,75	08.07.2011 00:41:00	28,75	08.07.2011 00:43:30	28,46	406059700	406059700.192983
9C5C00044000028	08.07.2011 00:40:11	08.07.2011 00:41:01	27,88	08.07.2011 00:41:01	27,88	08.07.2011 00:42:41	29,1	406059600	406059600.331722
9C5C00048000028	08.07.2011 00:40:12	08.07.2011 00:48:32	28,83	08.07.2011 00:52:42	29,23	Not produced		406059500	406059500.080322
9C5C00052000028	08.07.2011 00:40:13	08.07.2011 00:41:53	28,33	08.07.2011 00:41:53	28,33	08.07.2011 00:43:33	29,07	406059000	406059000.138236
9C5C00056000028	08.07.2011 00:40:14	08.07.2011 00:41:04	27,64	08.07.2011 00:41:04	27,64	08.07.2011 00:42:44	29,2	406059100	406059100.216241
9C5C00060000028	08.07.2011 00:40:15	08.07.2011 00:41:05	28,19	08.07.2011 00:41:05	28,19	08.07.2011 00:51:55	28,25	406059200	406059200.221998
9C5C00064000028	08.07.2011 00:40:16	08.07.2011 00:44:26	27,36	08.07.2011 00:44:26	27,36	08.07.2011 00:50:16	26,51	406059300	406059300.271103
9C5C00068000028	08.07.2011 00:40:17	08.07.2011 00:41:07	27,48	08.07.2011 00:41:07	27,48	08.07.2011 00:44:27	28,29	406059400	406059400.175713
9C5C00072000028	08.07.2011 00:40:18	08.07.2011 00:46:58	28,25	08.07.2011 00:46:58	28,25	08.07.2011 00:47:48	28,21	406059500	406059500.210369
9C5C00076000028	08.07.2011 00:40:19	08.07.2011 00:47:49	28,2	08.07.2011 00:47:49	28,2	08.07.2011 00:58:39	29,99	406060000	406060000.296951
9C5C00080000028	08.07.2011 00:40:20	08.07.2011 00:42:50	29,41	08.07.2011 00:58:40	28,54	Not produced		406059900	406059900.305644
9C5C00084000028	08.07.2011 00:40:21	08.07.2011 00:42:51	28,1	08.07.2011 00:42:51	28,1	08.07.2011 00:47:51	29,61	406059800	406059800.270988
9C5C00088000028	08.07.2011 00:40:22	08.07.2011 00:41:12	29,23	08.07.2011 00:43:42	28,44	08.07.2011 00:59:32	29,33	406059700	406059700.192983
9C5C00092000028	08.07.2011 00:40:23	08.07.2011 00:42:03	29,36	08.07.2011 00:42:03	29,36	08.07.2011 00:45:23	29,28	406059600	406059600.317273
9C5C00096000028	08.07.2011 00:40:24	08.07.2011 00:41:14	28,57	08.07.2011 00:41:14	28,57	08.07.2011 00:42:54	28,71	406059500	406059500.282617
9C5C00100000028	08.07.2011 00:40:25	08.07.2011 00:40:25	28,36	08.07.2011 00:42:05	29,12	08.07.2011 00:47:05	27,84	406059000	406059000.224934
9C5C00104000028	08.07.2011 00:40:26	08.07.2011 00:42:06	28,55	08.07.2011 00:42:06	28,55	08.07.2011 01:00:26	28,78	406059100	406059100.317388
9C5C00108000028	08.07.2011 00:40:27	08.07.2011 00:43:47	27,99	08.07.2011 00:43:47	27,99	08.07.2011 00:46:17	28,3	406059200	406059200.279796
9C5C00112000028	08.07.2011 00:40:28	08.07.2011 00:42:08	28,41	08.07.2011 00:42:08	28,41	08.07.2011 00:43:48	29,99	406059300	406059300.213305
9C5C00116000028	08.07.2011 00:40:29	08.07.2011 00:41:19	28,34	08.07.2011 00:41:19	28,34	08.07.2011 00:43:49	27,36	406059400	406059400.305759
9C5C00120000028	08.07.2011 00:40:30	08.07.2011 00:40:30	30,3	08.07.2011 00:40:30	30,3	08.07.2011 00:47:10	28,26	406059500	406059500.268167
9C5C00124000028	08.07.2011 00:40:31	08.07.2011 00:40:31	30,4	08.07.2011 00:40:31	30,4	08.07.2011 00:43:01	28,51	406060000	406060000.282501
9C5C00128000028	08.07.2011 00:40:32	08.07.2011 00:41:22	27,59	08.07.2011 00:41:22	27,59	08.07.2011 00:51:22	27,93	406059900	406059900.320093
9C5C00132000028	08.07.2011 00:40:33	08.07.2011 00:43:53	27,91	08.07.2011 00:46:23	28,34	08.07.2011 00:53:03	28,25	406059800	406059800.256538
9C5C00136000028	08.07.2011 00:40:34	08.07.2011 00:43:04	28,23	08.07.2011 00:43:04	28,23	08.07.2011 00:44:44	29,96	406059700	406059700.308580
9C5C00140000028	08.07.2011 00:40:35	08.07.2011 00:41:25	28,86	08.07.2011 00:41:25	28,86	08.07.2011 00:43:05	26,76	406059600	406059600.172777
9C5C00144000028	08.07.2011 00:40:36	08.07.2011 00:43:06	28,38	08.07.2011 00:43:06	28,38	08.07.2011 00:44:46	29,77	406059500	406059500.195919
9C5C00148000028	08.07.2011 00:40:37	08.07.2011 00:41:27	28,73	08.07.2011 00:41:27	28,73	08.07.2011 00:43:07	27,97	406059000	406059000.253833
9C5C00152000028	08.07.2011 00:40:38	08.07.2011 00:40:38	29,79	08.07.2011 00:48:58	28,46	08.07.2011 00:55:38	28,32	406059100	406059100.245140
9C5C00156000028	08.07.2011 00:40:39	08.07.2011 00:43:59	28,39	08.07.2011 00:43:59	28,39	08.07.2011 00:51:29	26,69	406059200	406059200.221998
9C5C00160000028	08.07.2011 00:40:40	08.07.2011 00:45:40	29,81	08.07.2011 00:45:40	29,81	08.07.2011 00:47:20	28,57	406059300	406059300.213305
9C5C00164000028	08.07.2011 00:40:41	08.07.2011 00:44:01	27,64	08.07.2011 00:44:01	27,64	08.07.2011 00:56:31	29,12	406059400	406059400.233511
9C5C00168000028	08.07.2011 00:40:42	08.07.2011 00:45:42	30,09	08.07.2011 00:45:42	30,09	08.07.2011 00:49:52	29,64	406059500	406059500.268167
9C5C00172000028	08.07.2011 00:40:43	08.07.2011 00:43:13	29,02	08.07.2011 00:43:13	29,02	08.07.2011 00:44:53	28,11	406060000	406060000.253602
9C5C00176000028	08.07.2011 00:40:44	08.07.2011 00:46:34	28,66	08.07.2011 00:46:34	28,66	08.07.2011 00:56:34	27,96	406059900	406059900.291194
9C5C00180000028	08.07.2011 00:40:45	08.07.2011 00:40:45	27,94	08.07.2011 00:40:45	27,94	08.07.2011 00:42:25	28,46	406059800	406059800.357685
9C5C00184000028	08.07.2011 00:40:46	08.07.2011 00:43:16	28,8	08.07.2011 00:43:16	28,8	08.07.2011 00:47:26	28,68	406059700	406059700.236332
9C5C00188000028	08.07.2011 00:40:47	08.07.2011 00:41:37	28,09	08.07.2011 00:41:37	28,09	08.07.2011 00:43:17	29,14	406059600	406059600.187226
9C5C00192000028	08.07.2011 00:40:48	08.07.2011 00:43:18	29,59	08.07.2011 00:43:18	29,59	Not produced		406059500	406059500.282617
9C5C00196000028	08.07.2011 00:40:49	08.07.2011 00:44:09	29,77	08.07.2011 00:44:09	29,77	Not produced		406060000	406060000.181354
9C5C00200000028	08.07.2011 00:40:50	08.07.2011 00:43:20	29,3	08.07.2011 00:43:20	29,3	08.07.2011 00:45:00	28,96	406059900	406059900.247845

– END OF ANNEX A –

ANNEX B**GEOLUT DATA COLLECTED FOR OBJECTIVE T-4****B.1 Introduction**

This annex provides a description of the data recorded for each beacon event transmitted by the simulator for objective T-4. This information provides the foundation for the analysis and conclusions provided in the body of the report.

The tables below combine information obtained from the simulator operator, with data collected from the GEOLUT under test. For each run of a simulator that corresponds to the specific number of simultaneously radiating beacons a separate table is produced. Each row in these tables represents a single beacon event. All times are in GMT+3.

Simulated traffic load (Number of simultaneously occurring beacon events) 15								
Script number 6350			Date/Time of First Burst in Test Script Run 1 08.07.2011 09:10:02					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C15011034	08.07.2011 09:10:02	08.07.2011 09:10:03	35.84	08.07.2011 09:10:03	35.84	08.07.2011	35.51	406059500
9C5C00C15021034	08.07.2011 09:10:20	08.07.2011 09:10:21	35.79	08.07.2011 09:10:21	35.79	08.07.2011	35.48	406059500
9C5C00C15031034	08.07.2011 09:10:14	08.07.2011 09:11:55	36.38	08.07.2011 09:11:55	36.38	08.07.2011	35.61	406059500
9C5C00C15041034	08.07.2011 09:10:10	08.07.2011 09:10:10	35.87	08.07.2011 09:10:10	35.87	08.07.2011	36.12	406059500
9C5C00C15051034	08.07.2011 09:10:27	08.07.2011 09:10:27	36.73	08.07.2011 09:10:27	36.73	08.07.2011	36.04	406059500
9C5C00C15061034	08.07.2011 09:10:11	08.07.2011 09:11:01	36.27	08.07.2011 09:11:01	36.27	08.07.2011	35.45	406059500
9C5C00C15071034	08.07.2011 09:10:13	08.07.2011 09:10:13	35.36	08.07.2011 09:10:13	35.36	08.07.2011	36.01	406059500
9C5C00C15081034	08.07.2011 09:10:14	08.07.2011 09:11:58	35.71	08.07.2011 09:11:58	35.71	08.07.2011	35.14	406059500
9C5C00C15091034	08.07.2011 09:10:22	08.07.2011 09:10:23	34.39	08.07.2011 09:10:23	34.39	08.07.2011	36.05	406059500
9C5C00C15101034	08.07.2011 09:10:10	08.07.2011 09:11:03	35.88	08.07.2011 09:11:03	35.88	08.07.2011	35.75	406059500
9C5C00C15111034	08.07.2011 09:10:19	08.07.2011 09:10:19	36.12	08.07.2011 09:10:19	36.12	08.07.2011	34.28	406059500
9C5C00C15121034	08.07.2011 09:10:48	08.07.2011 09:10:48	36.04	08.07.2011 09:10:48	36.04	08.07.2011	36.06	406059500
9C5C00C15131034	08.07.2011 09:10:35	08.07.2011 09:10:36	36.61	08.07.2011 09:10:36	36.61	08.07.2011	35.78	406059500
9C5C00C15141034	08.07.2011 09:10:45	08.07.2011 09:10:45	36.19	08.07.2011 09:10:45	36.19	08.07.2011	34.94	406059500
9C5C00C15151034	08.07.2011 09:10:06	08.07.2011 09:10:07	36.7	08.07.2011 09:10:07	36.7	08.07.2011	36.32	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 15								
Script number 6351			Date/Time of First Burst in Test Script Run 2 08.07.2011 09:30:06					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C15012034	08.07.2011 09:30:43	08.07.2011 09:31:35	35.56	08.07.2011 09:31:35	35.56	08.07.2011 09:34:03	35.91	406059500
9C5C00C15022034	08.07.2011 09:30:25	08.07.2011 09:30:24	35.23	08.07.2011 09:30:24	35.23	08.07.2011 09:31:13	35.43	406059500
9C5C00C15032034	08.07.2011 09:30:18	08.07.2011 09:30:18	35.08	08.07.2011 09:30:18	35.08	08.07.2011 09:33:38	36.15	406059500
9C5C00C15042034	08.07.2011 09:30:14	08.07.2011 09:30:14	35.75	08.07.2011 09:30:14	35.75	08.07.2011 09:31:05	35.95	406059500
9C5C00C15052034	08.07.2011 09:30:06	08.07.2011 09:30:06	35.21	08.07.2011 09:30:06	35.21	08.07.2011 09:31:47	36.07	406059500
9C5C00C15062034	08.07.2011 09:30:16	08.07.2011 09:31:08	35.14	08.07.2011 09:31:08	35.14	08.07.2011 09:32:51	35.7	406059500
9C5C00C15072034	08.07.2011 09:30:13	08.07.2011 09:30:13	34.97	08.07.2011 09:30:13	34.97	08.07.2011 09:31:04	35.9	406059500
9C5C00C15082034	08.07.2011 09:30:39	08.07.2011 09:30:39	34.68	08.07.2011 09:30:39	34.68	08.07.2011 09:31:30	35.66	406059500
9C5C00C15092034	08.07.2011 09:30:17	08.07.2011 09:30:17	35.95	08.07.2011 09:30:17	35.95	08.07.2011 09:31:09	34.97	406059500
9C5C00C15102034	08.07.2011 09:30:34	08.07.2011 09:30:34	34.89	08.07.2011 09:30:34	34.89	08.07.2011 09:31:25	35.95	406059500
9C5C00C15112034	08.07.2011 09:30:15	08.07.2011 09:31:06	35.07	08.07.2011 09:31:06	35.07	08.07.2011 09:32:47	34.56	406059500
9C5C00C15122034	08.07.2011 09:30:25	08.07.2011 09:31:15	35.28	08.07.2011 09:31:15	35.28	08.07.2011 09:32:03	34.78	406059500
9C5C00C15132034	08.07.2011 09:30:42	08.07.2011 09:31:32	36.06	08.07.2011 09:31:32	36.06	08.07.2011 09:32:20	36.11	406059500
9C5C00C15142034	08.07.2011 09:30:23	08.07.2011 09:31:11	33.86	08.07.2011 09:31:11	33.86	08.07.2011 09:35:24	35.11	406059500
9C5C00C15152034	08.07.2011 09:30:22	08.07.2011 09:32:01	34.98	08.07.2011 09:32:01	34.98	08.07.2011 09:34:26	36.29	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 15								
Script number 6352			Date/Time of First Burst in Test Script Run 3 08.07.2011 09:50:07					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C15013034	08.07.2011 09:50:26	08.07.2011 09:50:27	36.23	08.07.2011 09:50:27	36.23	08.07.2011 09:52:05	35.12	406059500
9C5C00C15023034	08.07.2011 09:50:14	08.07.2011 09:50:14	36.32	08.07.2011 09:50:14	36.32	08.07.2011 09:51:50	35.9	406059500
9C5C00C15033034	08.07.2011 09:50:22	08.07.2011 09:50:22	35.2	08.07.2011 09:50:22	35.2	08.07.2011 09:51:11	35.79	406059500
9C5C00C15043034	08.07.2011 09:50:08	08.07.2011 09:50:57	36.72	08.07.2011 09:50:57	36.72	08.07.2011 09:51:48	35.66	406059500
9C5C00C15053034	08.07.2011 09:50:02	08.07.2011 09:50:02	36.16	08.07.2011 09:50:02	36.16	08.07.2011 09:50:54	36.57	406059500
9C5C00C15063034	08.07.2011 09:50:08	08.07.2011 09:51:00	36.21	08.07.2011 09:51:00	36.21	08.07.2011 09:51:49	33.32	406059500
9C5C00C15073034	08.07.2011 09:50:37	08.07.2011 09:50:37	35.94	08.07.2011 09:50:37	35.94	08.07.2011 09:53:08	36.42	406059500
9C5C00C15083034	08.07.2011 09:50:33	08.07.2011 09:50:33	35.07	08.07.2011 09:50:33	35.07	08.07.2011 09:53:05	36.12	406059500
9C5C00C15093034	08.07.2011 09:50:32	08.07.2011 09:50:32	35.85	08.07.2011 09:50:32	35.85	08.07.2011 09:52:14	35.91	406059500
9C5C00C15103034	08.07.2011 09:50:23	08.07.2011 09:50:23	36.68	08.07.2011 09:50:23	36.68	08.07.2011 09:52:58	36.81	406059500
9C5C00C15113034	08.07.2011 09:50:47	08.07.2011 09:50:47	36.65	08.07.2011 09:50:47	36.65	08.07.2011 09:51:37	36.58	406059500
9C5C00C15123034	08.07.2011 09:50:07	08.07.2011 09:50:07	35.94	08.07.2011 09:50:07	35.94	08.07.2011 09:50:56	35.46	406059500
9C5C00C15133034	08.07.2011 09:50:13	08.07.2011 09:50:13	36.7	08.07.2011 09:50:13	36.7	08.07.2011 09:51:55	35	406059500
9C5C00C15143034	08.07.2011 09:50:29	08.07.2011 09:50:29	35.21	08.07.2011 09:50:29	35.21	08.07.2011 09:54:36	37.22	406059500
9C5C00C15153034	08.07.2011 09:50:40	08.07.2011 09:50:40	36.11	08.07.2011 09:50:40	36.11	08.07.2011 09:51:27	35.51	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 15								
Script number 6353			DateTime of First Burst in Test Script Run 4 08.07.2011 10:10:09					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C15014034	08.07.2011 10:10:16	08.07.2011 10:11:06	35.69	08.07.2011 10:11:06	35.69	08.07.2011 10:11:57	35.98	406059500
9C5C00C15024034	08.07.2011 10:10:22	08.07.2011 10:11:10	36.29	08.07.2011 10:11:10	36.29	08.07.2011 10:11:58	34.83	406059500
9C5C00C15034034	08.07.2011 10:10:09	08.07.2011 10:10:58	36.05	08.07.2011 10:10:58	36.05	08.07.2011 10:11:45	34.94	406059500
9C5C00C15044034	08.07.2011 10:10:33	08.07.2011 10:12:12	35.26	08.07.2011 10:12:12	35.26	08.07.2011 10:13:53	34.78	406059500
9C5C00C15054034	08.07.2011 10:10:16	08.07.2011 10:11:56	36.21	08.07.2011 10:11:56	36.21	08.07.2011 10:12:46	36.33	406059500
9C5C00C15064034	08.07.2011 10:10:27	08.07.2011 10:11:18	36.44	08.07.2011 10:11:18	36.44	08.07.2011 10:12:06	35.77	406059500
9C5C00C15074034	08.07.2011 10:10:47	08.07.2011 10:12:25	36.44	08.07.2011 10:12:25	36.44	08.07.2011 10:13:16	35.49	406059500
9C5C00C15084034	08.07.2011 10:10:23	08.07.2011 10:11:13	35.1	08.07.2011 10:11:13	35.1	08.07.2011 10:12:02	36.63	406059500
9C5C00C15094034	08.07.2011 10:10:46	08.07.2011 10:11:35	37.38	08.07.2011 10:11:35	37.38	08.07.2011 10:12:27	36.39	406059500
9C5C00C15104034	08.07.2011 10:10:46	08.07.2011 10:11:38	36.01	08.07.2011 10:11:38	36.01	08.07.2011 10:12:30	35.81	406059500
9C5C00C15114034	08.07.2011 10:10:30	08.07.2011 10:12:10	35.33	08.07.2011 10:12:10	35.33	08.07.2011 10:13:51	35.06	406059500
9C5C00C15124034	08.07.2011 10:10:23	08.07.2011 10:11:15	36.82	08.07.2011 10:11:15	36.82	08.07.2011 10:12:05	36.2	406059500
9C5C00C15134034	08.07.2011 10:10:17	08.07.2011 10:14:31	36.06	08.07.2011 10:14:31	36.06	08.07.2011 10:15:20	35.87	406059500
9C5C00C15144034	08.07.2011 10:10:34	08.07.2011 10:11:25	35.38	08.07.2011 10:11:25	35.38	08.07.2011 10:12:16	36.81	406059500
9C5C00C15154034	08.07.2011 10:10:15	08.07.2011 10:10:15	36.83	08.07.2011 10:10:15	36.83	08.07.2011 10:11:04	35.65	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 15								
Script number 6354			DateTime of First Burst in Test Script Run 5 08.07.2011 10:55:01					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C15015034	08.07.2011 10:55:01	08.07.2011 10:56:39	36.78	08.07.2011 10:56:39	36.78	08.07.2011 10:57:29	36.56	406059500
9C5C00C15025034	08.07.2011 10:55:32	08.07.2011 10:56:23	35.73	08.07.2011 10:56:23	35.73	08.07.2011 10:57:15	35.25	406059500
9C5C00C15035034	08.07.2011 10:55:31	08.07.2011 10:59:40	37.15	08.07.2011 10:59:40	37.15	08.07.2011 11:01:18	35.03	406059500
9C5C00C15045034	08.07.2011 10:55:29	08.07.2011 10:55:29	35.23	08.07.2011 10:55:29	35.23	08.07.2011 10:57:10	36.93	406059500
9C5C00C15055034	08.07.2011 10:55:31	08.07.2011 10:56:20	36.38	08.07.2011 10:56:20	36.38	08.07.2011 10:57:56	35.86	406059500
9C5C00C15065034	08.07.2011 10:55:36	08.07.2011 10:55:36	36.08	08.07.2011 10:55:36	36.08	08.07.2011 10:56:27	36.06	406059500
9C5C00C15075034	08.07.2011 10:55:47	08.07.2011 10:55:47	34.27	08.07.2011 10:55:47	34.27	08.07.2011 10:56:36	35.11	406059500
9C5C00C15085034	08.07.2011 10:55:12	08.07.2011 10:56:00	35.81	08.07.2011 10:56:00	35.81	08.07.2011 10:57:42	36.08	406059500
9C5C00C15095034	08.07.2011 10:55:08	08.07.2011 10:56:47	35.96	08.07.2011 10:56:47	35.96	08.07.2011 10:57:37	36.53	406059500
9C5C00C15105034	08.07.2011 10:55:42	08.07.2011 10:55:42	35.17	08.07.2011 10:55:42	35.17	08.07.2011 10:56:34	34.85	406059500
9C5C00C15115034	08.07.2011 10:55:33	08.07.2011 10:55:32	36.31	08.07.2011 10:55:32	36.31	08.07.2011 10:56:25	34.7	406059500
9C5C00C15125034	08.07.2011 10:55:01	08.07.2011 10:56:43	36.39	08.07.2011 10:56:43	36.39	08.07.2011 10:57:35	37.5	406059500
9C5C00C15135034	08.07.2011 10:55:15	08.07.2011 10:55:15	35.65	08.07.2011 10:55:15	35.65	08.07.2011 10:56:07	36.11	406059500
9C5C00C15145034	08.07.2011 10:55:13	08.07.2011 10:56:01	35.52	08.07.2011 10:56:01	35.52	08.07.2011 10:57:43	36.17	406059500
9C5C00C15155034	08.07.2011 10:55:08	08.07.2011 10:56:49	35.94	08.07.2011 10:56:49	35.94	08.07.2011 10:57:41	35.49	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 15								
Script number 6355			DateTime of First Burst in Test Script Run 6 08.07.2011 11:15:03					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C15016034	08.07.2011 11:15:14	08.07.2011 11:15:14	36.71	08.07.2011 11:15:14	36.71	08.07.2011 11:16:04	39.06	406059500
9C5C00C15026034	08.07.2011 11:15:47	08.07.2011 11:15:47	39.47	08.07.2011 11:15:47	39.47	08.07.2011 11:16:36	38.2	406059500
9C5C00C15036034	08.07.2011 11:15:21	08.07.2011 11:15:21	36.5	08.07.2011 11:15:21	36.5	08.07.2011 11:16:10	37.74	406059500
9C5C00C15046034	08.07.2011 11:15:26	08.07.2011 11:15:26	38.29	08.07.2011 11:15:26	38.29	08.07.2011 11:17:06	38.23	406059500
9C5C00C15056034	08.07.2011 11:15:38	08.07.2011 11:15:38	38.33	08.07.2011 11:15:38	38.33	08.07.2011 11:16:26	39.61	406059500
9C5C00C15066034	08.07.2011 11:15:40	08.07.2011 11:15:40	38.31	08.07.2011 11:15:40	38.31	08.07.2011 11:16:31	39.04	406059500
9C5C00C15076034	08.07.2011 11:15:08	08.07.2011 11:17:36	39.22	08.07.2011 11:17:36	39.22	08.07.2011 11:18:26	38.7	406059500
9C5C00C15086034	08.07.2011 11:15:29	08.07.2011 11:15:29	38.12	08.07.2011 11:15:29	38.12	08.07.2011 11:17:07	39.13	406059500
9C5C00C15096034	08.07.2011 11:15:00	08.07.2011 11:15:00	36.51	08.07.2011 11:15:00	36.51	08.07.2011 11:16:42	38.87	406059500
9C5C00C15106034	08.07.2011 11:15:07	08.07.2011 11:16:51	38.57	08.07.2011 11:16:51	38.57	08.07.2011 11:22:45	38.23	406059500
9C5C00C15116034	08.07.2011 11:15:03	08.07.2011 11:15:03	36.96	08.07.2011 11:15:03	36.96	08.07.2011 11:16:40	38.62	406059500
9C5C00C15126034	08.07.2011 11:15:11	08.07.2011 11:16:03	38.7	08.07.2011 11:16:03	38.7	08.07.2011 11:16:51	38.28	406059500
9C5C00C15136034	08.07.2011 11:15:12	08.07.2011 11:16:00	39.11	08.07.2011 11:16:00	39.11	08.07.2011 11:16:52	38.51	406059500
9C5C00C15146034	08.07.2011 11:15:08	08.07.2011 11:16:46	38.38	08.07.2011 11:16:46	38.38	08.07.2011 11:17:39	37.52	406059500
9C5C00C15156034	08.07.2011 11:15:09	08.07.2011 11:15:10	37.05	08.07.2011 11:15:10	37.05	08.07.2011 11:16:49	37.74	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 15								
Script number 6356			DateTime of First Burst in Test Script Run 7 08.07.2011 11:35:06					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C15017034	08.07.2011 11:35:33	08.07.2011 11:35:34	36.19	2011-07-08	36.19	08.07.2011 11:36:25	35.25	406059500
9C5C00C15027034	08.07.2011 11:35:12	08.07.2011 11:35:13	36.16	08.07.2011 11:35:13	36.16	08.07.2011 11:36:05	36.76	406059500
9C5C00C15037034	08.07.2011 11:35:49	08.07.2011 11:35:50	36.18	08.07.2011 11:35:50	36.18	08.07.2011 11:36:39	36.4	406059500
9C5C00C15047034	08.07.2011 11:35:35	08.07.2011 11:35:35	35.7	08.07.2011 11:35:35	35.7	08.07.2011 11:37:14	37.1	406059500
9C5C00C15057034	08.07.2011 11:35:21	08.07.2011 11:35:22	36.11	08.07.2011 11:35:22	36.11	08.07.2011 11:37:50	36.63	406059500
9C5C00C15067034	08.07.2011 11:35:30	08.07.2011 11:35:31	36.65	08.07.2011 11:35:31	36.65	08.07.2011 11:36:21	35.4	406059500
9C5C00C15077034	08.07.2011 11:35:06	08.07.2011 11:35:06	34.49	08.07.2011 11:35:54	36.13	08.07.2011 11:37:36	36.11	406059500
9C5C00C15087034	08.07.2011 11:35:45	08.07.2011 11:35:46	36.16	08.07.2011 11:35:46	36.16	08.07.2011 11:36:33	36.08	406059500
9C5C00C15097034	08.07.2011 11:35:17	08.07.2011 11:35:18	35.9	08.07.2011 11:35:18	35.9	08.07.2011 11:36:10	35.98	406059500
9C5C00C15107034	08.07.2011 11:35:28	08.07.2011 11:35:28	36.1	08.07.2011 11:35:28	36.1	08.07.2011 11:36:20	37.3	406059500
9C5C00C15117034	08.07.2011 11:35:24	08.07.2011 11:35:25	36.06	08.07.2011 11:35:25	36.06	08.07.2011 11:37:04	36.68	406059500
9C5C00C15127034	08.07.2011 11:35:20	08.07.2011 11:35:20	36.97	08.07.2011 11:35:20	36.97	08.07.2011 11:38:45	35.46	406059500
9C5C00C15137034	08.07.2011 11:35:14	08.07.2011 11:35:14	35.95	08.07.2011 11:35:14	35.95	08.07.2011 11:36:04	37.02	406059500
9C5C00C15147034	08.07.2011 11:35:38	08.07.2011 11:35:38	36.86	08.07.2011 11:35:38	36.86	08.07.2011 11:37:18	36.49	406059500
9C5C00C15157034	08.07.2011 11:35:08	08.07.2011 11:35:09	34.51	08.07.2011 11:35:09	34.51	08.07.2011 11:35:59	35.79	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 15								
Script number 6357			DateTime of First Burst in Test Script Run 8 08.07.2011 12:30:04					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C15018034	08.07.2011 12:30:28	08.07.2011 12:30:29	34.9	08.07.2011 12:30:29	34.9	08.07.2011 12:36:31	36.53	406059500
9C5C00C15028034	08.07.2011 12:30:04	08.07.2011 12:30:54	35.61	08.07.2011 12:30:54	35.61	08.07.2011 12:31:44	35.93	406059500
9C5C00C15038034	08.07.2011 12:30:37	08.07.2011 12:30:38	36.66	08.07.2011 12:30:38	36.66	08.07.2011 12:31:28	35.84	406059500
9C5C00C15048034	08.07.2011 12:30:04	08.07.2011 12:30:55	35.63	08.07.2011 12:30:55	35.63	08.07.2011 12:31:44	35.89	406059500
9C5C00C15058034	08.07.2011 12:30:17	08.07.2011 12:31:10	36.54	08.07.2011 12:31:10	36.54	08.07.2011 12:32:01	33.91	406059500
9C5C00C15068034	08.07.2011 12:30:05	08.07.2011 12:30:06	36.43	08.07.2011 12:30:06	36.43	08.07.2011 12:30:57	35.35	406059500
9C5C00C15078034	08.07.2011 12:30:40	08.07.2011 12:30:41	36.17	08.07.2011 12:30:41	36.17	08.07.2011 12:31:31	36.76	406059500
9C5C00C15088034	08.07.2011 12:30:34	08.07.2011 12:30:35	36.4	08.07.2011 12:30:35	36.4	08.07.2011 12:32:15	37.03	406059500
9C5C00C15098034	08.07.2011 12:30:17	08.07.2011 12:31:08	36.56	08.07.2011 12:31:08	36.56	08.07.2011 12:31:59	35.46	406059500
9C5C00C15108034	08.07.2011 12:30:48	08.07.2011 12:31:41	35.27	08.07.2011 12:31:41	35.27	08.07.2011 12:32:29	35.92	406059500
9C5C00C15118034	08.07.2011 12:30:48	08.07.2011 12:32:34	35.75	08.07.2011 12:32:34	35.75	08.07.2011 12:36:44	36.44	406059500
9C5C00C15128034	08.07.2011 12:30:14	08.07.2011 12:30:15	35.76	08.07.2011 12:30:15	35.76	08.07.2011 12:31:07	36.3	406059500
9C5C00C15138034	08.07.2011 12:30:29	08.07.2011 12:30:30	37.18	08.07.2011 12:30:30	37.18	08.07.2011 12:34:42	36.5	406059500
9C5C00C15148034	08.07.2011 12:30:18	08.07.2011 12:30:19	35.81	08.07.2011 12:30:19	35.81	08.07.2011 12:31:09	36.68	406059500
9C5C00C15158034	08.07.2011 12:30:33	08.07.2011 12:30:34	35.15	08.07.2011 12:30:34	35.15	08.07.2011 12:33:07	36.03	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 15								
Script number 6358			DateTime of First Burst in Test Script Run 9 08.07.2011 12:50:04					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C15019034	08.07.2011 12:50:21	08.07.2011 12:50:22	35.45	08.07.2011 12:50:22	35.45	08.07.2011 12:51:13	35.27	406059500
9C5C00C15029034	08.07.2011 12:50:18	08.07.2011 12:50:19	35.31	08.07.2011 12:50:19	35.31	08.07.2011 12:51:08	35.41	406059500
9C5C00C15039034	08.07.2011 12:50:10	08.07.2011 12:51:49	35.85	08.07.2011 12:51:49	35.85	08.07.2011 12:53:27	37.26	406059500
9C5C00C15049034	08.07.2011 12:50:09	08.07.2011 12:52:41	36.57	08.07.2011 12:52:41	36.57	08.07.2011 12:53:33	35.35	406059500
9C5C00C15059034	08.07.2011 12:50:20	08.07.2011 12:50:21	34.43	08.07.2011 12:50:21	34.43	08.07.2011 12:51:11	34.5	406059500
9C5C00C15069034	08.07.2011 12:50:09	08.07.2011 12:51:02	35.64	08.07.2011 12:51:02	35.64	08.07.2011 12:53:34	35.94	406059500
9C5C00C15079034	08.07.2011 12:50:33	08.07.2011 12:50:34	35.02	08.07.2011 12:50:34	35.02	08.07.2011 12:51:25	35.03	406059500
9C5C00C15089034	08.07.2011 12:50:08	08.07.2011 12:51:02	34.64	08.07.2011 12:51:02	34.64	08.07.2011 12:53:32	36.62	406059500
9C5C00C15099034	08.07.2011 12:50:26	08.07.2011 12:50:27	35.26	08.07.2011 12:50:27	35.26	08.07.2011 12:51:16	35.36	406059500
9C5C00C15109034	08.07.2011 12:50:38	08.07.2011 12:51:31	35.06	08.07.2011 12:51:31	35.06	08.07.2011 12:53:08	36.62	406059500
9C5C00C15119034	08.07.2011 12:50:16	08.07.2011 12:50:17	34.77	08.07.2011 12:50:17	34.77	08.07.2011 12:51:09	36.2	406059500
9C5C00C15129034	08.07.2011 12:50:15	08.07.2011 12:50:16	35.02	08.07.2011 12:50:16	35.02	08.07.2011 12:51:04	36.52	406059500
9C5C00C15139034	08.07.2011 12:50:04	08.07.2011 12:50:05	36.33	08.07.2011 12:50:05	36.33	08.07.2011 12:50:56	35.51	406059500
9C5C00C15149034	08.07.2011 12:50:29	08.07.2011 12:50:30	35.24	08.07.2011 12:50:30	35.24	08.07.2011 12:51:22	36.38	406059500
9C5C00C15159034	08.07.2011 12:50:37	08.07.2011 12:51:26	36.1	08.07.2011 12:51:26	36.1	08.07.2011 12:53:10	36.75	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 15								
Script number 6359			DateTime of First Burst in Test Script Run 10 08.07.2011 13:10:02					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C1501A034	08.07.2011 13:10:03	08.07.2011 13:10:04	37.18	08.07.2011 13:10:04	37.18	08.07.2011 13:12:37	35.75	406059500
9C5C00C1502A034	08.07.2011 13:10:45	08.07.2011 13:10:46	36.77	08.07.2011 13:10:46	36.77	08.07.2011 13:14:06	36.3	406059500
9C5C00C1503A034	08.07.2011 13:10:48	08.07.2011 13:10:49	37.14	08.07.2011 13:10:49	37.14	08.07.2011 13:14:07	36.17	406059500
9C5C00C1504A034	08.07.2011 13:10:02	08.07.2011 13:10:03	36.77	08.07.2011 13:10:03	36.77	08.07.2011 13:10:54	37.23	406059500
9C5C00C1505A034	08.07.2011 13:10:15	08.07.2011 13:10:16	35.32	08.07.2011 13:10:16	35.32	08.07.2011 13:11:06	37.22	406059500
9C5C00C1506A034	08.07.2011 13:10:23	08.07.2011 13:11:12	37.68	08.07.2011 13:11:12	37.68	08.07.2011 13:12:00	36.2	406059500
9C5C00C1507A034	08.07.2011 13:10:42	08.07.2011 13:11:34	36.04	08.07.2011 13:11:34	36.04	08.07.2011 13:14:56	35.38	406059500
9C5C00C1508A034	08.07.2011 13:10:03	08.07.2011 13:10:04	37.67	08.07.2011 13:10:04	37.67	08.07.2011 13:12:36	37.23	406059500
9C5C00C1509A034	08.07.2011 13:10:27	08.07.2011 13:10:28	32.4	08.07.2011 13:10:28	32.4	08.07.2011 13:11:17	36.74	406059500
9C5C00C1510A034	08.07.2011 13:10:07	08.07.2011 13:10:57	37.29	08.07.2011 13:10:57	37.29	08.07.2011 13:13:30	37.03	406059500
9C5C00C1511A034	08.07.2011 13:10:42	08.07.2011 13:11:32	35.97	08.07.2011 13:11:32	35.97	08.07.2011 13:12:23	37.41	406059500
9C5C00C1512A034	08.07.2011 13:10:07	08.07.2011 13:10:56	36.71	08.07.2011 13:10:56	36.71	08.07.2011 13:12:37	37.09	406059500
9C5C00C1513A034	08.07.2011 13:10:11	08.07.2011 13:10:12	36.28	08.07.2011 13:10:12	36.28	08.07.2011 13:11:01	37.48	406059500
9C5C00C1514A034	08.07.2011 13:10:23	08.07.2011 13:11:14	36.01	08.07.2011 13:11:14	36.01	08.07.2011 13:12:03	37.3	406059500
9C5C00C1515A034	08.07.2011 13:10:49	08.07.2011 13:10:50	37.75	08.07.2011 13:10:50	37.75	08.07.2011 13:14:54	35.4	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 20								
Script number 6360			DateTime of First Burst in Test Script Run 1 08.07.2011 13:55:01					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C20011034	08.07.2011 13:55:49	08.07.2011 13:57:32	36.55	08.07.2011 13:57:32	36.55	08.07.2011 13:59:08	35.65	406059500
9C5C00C20021034	08.07.2011 13:55:32	08.07.2011 13:56:21	36.57	08.07.2011 13:56:21	36.57	08.07.2011 13:58:00	36.95	406059500
9C5C00C20031034	08.07.2011 13:55:19	08.07.2011 13:56:08	32.73	08.07.2011 13:56:08	32.73	08.07.2011 13:56:57	35.62	406059500
9C5C00C20041034	08.07.2011 13:55:25	08.07.2011 13:56:17	34.39	08.07.2011 13:56:17	34.39	08.07.2011 13:57:08	35.65	406059500
9C5C00C20051034	08.07.2011 13:55:48	08.07.2011 13:55:49	36.28	08.07.2011 13:55:49	36.28	08.07.2011 13:57:30	36.47	406059500
9C5C00C20061034	08.07.2011 13:55:50	08.07.2011 13:56:39	36.6	08.07.2011 13:56:39	36.6	08.07.2011 13:57:29	36.62	406059500
9C5C00C20071034	08.07.2011 13:55:38	08.07.2011 13:57:18	37.64	08.07.2011 13:57:18	37.64	08.07.2011 13:59:50	35.64	406059500
9C5C00C20081034	08.07.2011 13:55:18	08.07.2011 13:56:09	36.39	08.07.2011 13:56:09	36.39	08.07.2011 13:56:58	36.12	406059500
9C5C00C20091034	08.07.2011 13:55:25	08.07.2011 13:57:05	36.87	08.07.2011 13:57:05	36.87	08.07.2011 13:58:43	35.53	406059500
9C5C00C20101034	08.07.2011 13:55:05	08.07.2011 13:55:55	36.16	08.07.2011 13:55:55	36.16	08.07.2011 14:04:14	35.52	406059500
9C5C00C20111034	08.07.2011 13:55:27	08.07.2011 13:57:04	36.73	08.07.2011 13:57:04	36.73	08.07.2011 13:59:33	35.54	406059500
9C5C00C20121034	08.07.2011 13:55:01	08.07.2011 13:55:54	35.04	08.07.2011 13:55:54	35.04	08.07.2011 14:05:05	36	406059500
9C5C00C20131034	08.07.2011 13:55:39	08.07.2011 13:57:21	36.52	08.07.2011 13:57:21	36.52	08.07.2011 13:59:02	35.03	406059500
9C5C00C20141034	08.07.2011 13:55:36	08.07.2011 13:57:17	35.72	08.07.2011 13:57:17	35.72	08.07.2011 13:59:46	34.85	406059500
9C5C00C20151034	08.07.2011 13:55:24	08.07.2011 13:56:13	33.04	08.07.2011 13:56:13	33.04	08.07.2011 13:57:02	35.82	406059500
9C5C00C20161034	08.07.2011 13:55:50	08.07.2011 13:56:42	35.59	08.07.2011 13:56:42	35.59	08.07.2011 14:05:08	36.07	406059500
9C5C00C20171034	08.07.2011 13:55:40	08.07.2011 13:56:30	35.95	08.07.2011 13:56:30	35.95	08.07.2011 13:56:32	34.79	406059500
9C5C00C20181034	08.07.2011 13:55:11	08.07.2011 13:55:12	34.61	08.07.2011 13:55:12	34.61	08.07.2011 13:56:02	36.77	406059500
9C5C00C20191034	08.07.2011 13:55:29	08.07.2011 13:56:20	35.58	08.07.2011 13:56:20	35.58	08.07.2011 13:58:03	36.88	406059500
9C5C00C20201034	08.07.2011 13:55:02	08.07.2011 13:57:31	37.43	08.07.2011 13:57:31	37.43	08.07.2011 14:04:13	31.97	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 20								
Script number 6361			DateTime of First Burst in Test Script Run 2 08.07.2011 14:15:00					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C20012034	08.07.2011 14:15:47	08.07.2011 14:15:48	36.73	08.07.2011 14:15:48	36.73	08.07.2011 14:16:37	36.94	406059500
9C5C00C20022034	08.07.2011 14:15:18	08.07.2011 14:16:08	37.03	08.07.2011 14:16:08	37.03	08.07.2011 14:16:58	37.18	406059500
9C5C00C20032034	08.07.2011 14:15:00	08.07.2011 14:15:02	36.45	08.07.2011 14:15:02	36.45	08.07.2011 14:15:52	36.75	406059500
9C5C00C20042034	08.07.2011 14:15:39	08.07.2011 14:15:41	36.51	08.07.2011 14:15:41	36.51	08.07.2011 14:16:29	36.03	406059500
9C5C00C20052034	08.07.2011 14:15:48	08.07.2011 14:15:49	36.11	08.07.2011 14:15:49	36.11	08.07.2011 14:16:38	37.1	406059500
9C5C00C20062034	08.07.2011 14:15:44	08.07.2011 14:15:45	36.73	08.07.2011 14:15:45	36.73	08.07.2011 14:17:26	35.29	406059500
9C5C00C20072034	08.07.2011 14:15:49	08.07.2011 14:18:22	36.25	08.07.2011 14:18:22	36.25	08.07.2011 14:19:11	35.85	406059500
9C5C00C20082034	08.07.2011 14:15:24	08.07.2011 14:15:26	36.82	08.07.2011 14:15:26	36.82	08.07.2011 14:16:17	37.04	406059500
9C5C00C20092034	08.07.2011 14:15:11	08.07.2011 14:15:12	36.52	08.07.2011 14:15:12	36.52	08.07.2011 14:17:38	36.15	406059500
9C5C00C20102034	08.07.2011 14:15:12	08.07.2011 14:15:13	36.91	08.07.2011 14:15:13	36.91	08.07.2011 14:16:53	36.17	406059500
9C5C00C20112034	08.07.2011 14:15:38	08.07.2011 14:15:40	35.84	08.07.2011 14:15:40	35.84	08.07.2011 14:16:31	36.88	406059500
9C5C00C20122034	08.07.2011 14:15:43	08.07.2011 14:15:44	36.29	08.07.2011 14:15:44	36.29	08.07.2011 14:18:13	36.11	406059500
9C5C00C20132034	08.07.2011 14:15:09	08.07.2011 14:15:10	37.08	08.07.2011 14:15:10	37.08	08.07.2011 14:17:38	36.84	406059500
9C5C00C20142034	08.07.2011 14:15:18	08.07.2011 14:16:09	36.29	08.07.2011 14:16:09	36.29	08.07.2011 14:18:37	35.66	406059500
9C5C00C20152034	08.07.2011 14:15:30	08.07.2011 14:15:31	37.1	08.07.2011 14:15:31	37.1	08.07.2011 14:16:22	37.05	406059500
9C5C00C20162034	08.07.2011 14:15:49	08.07.2011 14:16:39	36.43	08.07.2011 14:16:39	36.43	08.07.2011 14:19:12	35.6	406059500
9C5C00C20172034	08.07.2011 14:15:07	08.07.2011 14:15:08	34.99	08.07.2011 14:15:08	34.99	08.07.2011 14:16:51	36.73	406059500
9C5C00C20182034	08.07.2011 14:15:34	08.07.2011 14:15:35	36.51	08.07.2011 14:15:35	36.51	08.07.2011 14:16:24	36.83	406059500
9C5C00C20192034	08.07.2011 14:15:13	08.07.2011 14:15:14	36.67	08.07.2011 14:15:14	36.67	08.07.2011 14:16:02	36.59	406059500
9C5C00C20202034	08.07.2011 14:15:18	08.07.2011 14:16:12	37.03	08.07.2011 14:16:12	37.03	08.07.2011 14:17:53	35.59	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 20								
Script number 6362			DateTime of First Burst in Test Script Run 3 08.07.2011 14:35:03					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C20013034	08.07.2011 14:35:47	08.07.2011 14:35:48	35.77	08.07.2011 14:35:48	35.77	08.07.2011 14:36:37	35.26	406059500
9C5C00C20023034	08.07.2011 14:35:30	08.07.2011 14:35:31	35.88	08.07.2011 14:35:31	35.88	08.07.2011 14:36:20	35.82	406059500
9C5C00C20033034	08.07.2011 14:35:07	08.07.2011 14:35:08	36.35	08.07.2011 14:35:08	36.35	08.07.2011 14:35:58	36.43	406059500
9C5C00C20043034	08.07.2011 14:35:18	08.07.2011 14:35:20	35.05	08.07.2011 14:35:20	35.05	08.07.2011 14:36:08	35.81	406059500
9C5C00C20053034	08.07.2011 14:35:40	08.07.2011 14:35:41	35.19	08.07.2011 14:35:41	35.19	08.07.2011 14:36:29	36.8	406059500
9C5C00C20063034	08.07.2011 14:35:06	08.07.2011 14:35:07	35.93	08.07.2011 14:35:07	35.93	08.07.2011 14:35:56	37.01	406059500
9C5C00C20073034	08.07.2011 14:35:26	08.07.2011 14:35:27	36.97	08.07.2011 14:35:27	36.97	08.07.2011 14:36:16	35.42	406059500
9C5C00C20083034	08.07.2011 14:35:36	08.07.2011 14:35:38	35.63	08.07.2011 14:35:38	35.63	08.07.2011 14:36:26	35.9	406059500
9C5C00C20093034	08.07.2011 14:35:27	08.07.2011 14:35:28	35.57	08.07.2011 14:35:28	35.57	08.07.2011 14:37:07	36.38	406059500
9C5C00C20103034	08.07.2011 14:35:35	08.07.2011 14:35:37	34.98	08.07.2011 14:35:37	34.98	08.07.2011 14:40:35	36.65	406059500
9C5C00C20113034	08.07.2011 14:35:29	08.07.2011 14:35:30	36.21	08.07.2011 14:35:30	36.21	08.07.2011 14:36:22	37.02	406059500
9C5C00C20123034	08.07.2011 14:35:11	08.07.2011 14:36:04	36.77	08.07.2011 14:36:04	36.77	08.07.2011 14:37:47	35.03	406059500
9C5C00C20133034	08.07.2011 14:35:09	08.07.2011 14:35:11	35.62	08.07.2011 14:35:11	35.62	08.07.2011 14:37:46	35.97	406059500
9C5C00C20143034	08.07.2011 14:35:28	08.07.2011 14:35:29	34.99	08.07.2011 14:35:29	34.99	08.07.2011 14:37:07	35.7	406059500
9C5C00C20153034	08.07.2011 14:35:44	08.07.2011 14:35:45	35.39	08.07.2011 14:35:45	35.39	08.07.2011 14:36:36	36.78	406059500
9C5C00C20163034	08.07.2011 14:35:04	08.07.2011 14:35:05	36.5	08.07.2011 14:35:05	36.5	08.07.2011 14:35:54	36.53	406059500
9C5C00C20173034	08.07.2011 14:35:33	08.07.2011 14:35:35	35.85	08.07.2011 14:35:35	35.85	08.07.2011 14:37:15	35.83	406059500
9C5C00C20183034	08.07.2011 14:35:11	08.07.2011 14:36:52	35.96	08.07.2011 14:36:52	35.96	08.07.2011 14:37:40	36.52	406059500
9C5C00C20193034	08.07.2011 14:35:37	08.07.2011 14:35:38	36.02	08.07.2011 14:35:38	36.02	08.07.2011 14:36:28	36.56	406059500
9C5C00C20203034	08.07.2011 14:35:03	08.07.2011 14:35:04	37.05	08.07.2011 14:35:04	37.05	08.07.2011 14:35:56	35.14	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 20								
Script number 6363			DateTime of First Burst in Test Script Run 4 08.07.2011 14:55:02					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C20014034	08.07.2011 14:55:43	08.07.2011 14:55:44	35.41	08.07.2011 14:55:44	35.41	08.07.2011 14:56:34	35.55	406059500
9C5C00C20024034	08.07.2011 14:55:09	08.07.2011 15:00:09	35.58	08.07.2011 15:00:09	35.58	08.07.2011 15:01:01	36.02	406059500
9C5C00C20034034	08.07.2011 14:55:39	08.07.2011 14:56:32	35.69	08.07.2011 14:56:32	35.69	08.07.2011 14:57:24	35.12	406059500
9C5C00C20044034	08.07.2011 14:55:33	08.07.2011 14:56:27	36.3	08.07.2011 14:56:27	36.3	08.07.2011 14:58:55	36.39	406059500
9C5C00C20054034	08.07.2011 14:55:34	08.07.2011 14:56:25	35.72	08.07.2011 14:56:25	35.72	08.07.2011 14:57:15	35.15	406059500
9C5C00C20064034	08.07.2011 14:55:32	08.07.2011 14:55:33	35.24	08.07.2011 14:55:33	35.24	08.07.2011 14:56:26	35.63	406059500
9C5C00C20074034	08.07.2011 14:55:48	08.07.2011 14:55:49	36.07	08.07.2011 14:55:49	36.07	08.07.2011 14:56:39	36.26	406059500
9C5C00C20084034	08.07.2011 14:55:36	08.07.2011 14:56:29	37.14	08.07.2011 14:56:29	37.14	08.07.2011 14:57:21	35.4	406059500
9C5C00C20094034	08.07.2011 14:55:02	08.07.2011 14:55:03	35.91	08.07.2011 14:55:03	35.91	08.07.2011 14:55:55	35.12	406059500
9C5C00C20104034	08.07.2011 14:55:12	08.07.2011 14:55:13	35.87	08.07.2011 14:55:13	35.87	08.07.2011 14:56:05	35.36	406059500
9C5C00C20114034	08.07.2011 14:55:16	08.07.2011 14:55:17	35.74	08.07.2011 14:55:17	35.74	08.07.2011 14:56:06	35.29	406059500
9C5C00C20124034	08.07.2011 14:55:29	08.07.2011 14:55:30	36.59	08.07.2011 14:55:30	36.59	08.07.2011 14:56:18	35.65	406059500
9C5C00C20134034	08.07.2011 14:55:47	08.07.2011 14:55:48	36.19	08.07.2011 14:55:48	36.19	08.07.2011 14:56:37	36.37	406059500
9C5C00C20144034	08.07.2011 14:55:21	08.07.2011 14:55:22	36.83	08.07.2011 14:55:22	36.83	08.07.2011 14:56:14	36.43	406059500
9C5C00C20154034	08.07.2011 14:55:24	08.07.2011 14:55:25	37.01	08.07.2011 14:55:25	37.01	08.07.2011 14:56:17	35.83	406059500
9C5C00C20164034	08.07.2011 14:55:08	08.07.2011 14:55:09	37.15	08.07.2011 14:55:09	37.15	08.07.2011 14:58:32	36.44	406059500
9C5C00C20174034	08.07.2011 14:55:09	08.07.2011 14:55:10	35.72	08.07.2011 14:55:10	35.72	08.07.2011 14:58:31	35.99	406059500
9C5C00C20184034	08.07.2011 14:55:49	08.07.2011 14:55:50	36.13	08.07.2011 14:55:50	36.13	08.07.2011 14:56:40	35.21	406059500
9C5C00C20194034	08.07.2011 14:55:10	08.07.2011 14:56:03	36.54	08.07.2011 14:56:03	36.54	08.07.2011 14:59:26	34.42	406059500
9C5C00C20204034	08.07.2011 14:55:04	08.07.2011 14:55:05	34.12	08.07.2011 14:55:05	34.12	08.07.2011 14:55:54	35.58	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 20								
Script number 6364			DateTime of First Burst in Test Script Run 5 08.07.2011 15:35:02					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C20015034	08.07.2011 15:35:12	08.07.2011 15:35:13	35.59	08.07.2011 15:35:13	35.59	08.07.2011 15:39:24	36.44	406059500
9C5C00C20025034	08.07.2011 15:35:02	08.07.2011 15:35:54	34.35	08.07.2011 15:35:54	34.35	08.07.2011 15:37:33	36.7	406059500
9C5C00C20035034	08.07.2011 15:35:36	08.07.2011 15:35:37	35.08	08.07.2011 15:35:37	35.08	08.07.2011 15:36:26	36.77	406059500
9C5C00C20045034	08.07.2011 15:35:42	08.07.2011 15:35:43	35.25	08.07.2011 15:35:43	35.25	08.07.2011 15:36:34	36.46	406059500
9C5C00C20055034	08.07.2011 15:35:32	08.07.2011 15:35:33	36.04	08.07.2011 15:35:33	36.04	08.07.2011 15:36:22	36.94	406059500
9C5C00C20065034	08.07.2011 15:35:39	08.07.2011 15:35:39	35.17	08.07.2011 15:35:39	35.17	08.07.2011 15:36:28	35.68	406059500
9C5C00C20075034	08.07.2011 15:35:49	08.07.2011 15:35:49	36.26	08.07.2011 15:35:49	36.26	08.07.2011 15:36:38	35.52	406059500
9C5C00C20085034	08.07.2011 15:35:02	08.07.2011 15:35:50	36.5	08.07.2011 15:35:50	36.5	Not produced		406059500
9C5C00C20095034	08.07.2011 15:35:25	08.07.2011 15:35:25	35.46	08.07.2011 15:35:25	35.46	08.07.2011 15:36:17	35.45	406059500
9C5C00C20105034	08.07.2011 15:35:05	08.07.2011 15:41:50	37.07	08.07.2011 15:41:50	37.07	08.07.2011 15:42:39	36.24	406059500
9C5C00C20115034	08.07.2011 15:35:30	08.07.2011 15:35:30	36.3	08.07.2011 15:35:30	36.3	08.07.2011 15:36:20	34.85	406059500
9C5C00C20125034	08.07.2011 15:35:29	08.07.2011 15:36:21	36.11	08.07.2011 15:36:21	36.11	08.07.2011 15:49:39	36.82	406059500
9C5C00C20135034	08.07.2011 15:35:47	08.07.2011 15:35:48	36.44	08.07.2011 15:35:48	36.44	08.07.2011 15:36:37	35.69	406059500
9C5C00C20145034	08.07.2011 15:35:43	08.07.2011 15:35:44	35.68	08.07.2011 15:35:44	35.68	08.07.2011 15:36:36	36.74	406059500
9C5C00C20155034	08.07.2011 15:35:08	08.07.2011 15:35:08	35.36	08.07.2011 15:35:08	35.36	08.07.2011 15:39:23	36.21	406059500
9C5C00C20165034	08.07.2011 15:35:29	08.07.2011 15:37:11	35.61	08.07.2011 15:37:11	35.61	08.07.2011 15:38:04	36.2	406059500
9C5C00C20175034	08.07.2011 15:35:05	08.07.2011 15:37:37	35.95	08.07.2011 15:37:37	35.95	08.07.2011 15:40:09	36.75	406059500
9C5C00C20185034	08.07.2011 15:35:06	08.07.2011 15:43:23	36.39	08.07.2011 15:43:23	36.39	08.07.2011 15:44:13	36.03	406059500
9C5C00C20195034	08.07.2011 15:35:29	08.07.2011 15:36:18	36.46	08.07.2011 15:36:18	36.46	08.07.2011 15:37:07	37.03	406059500
9C5C00C20205034	08.07.2011 15:35:05	08.07.2011 15:40:56	36.62	08.07.2011 15:40:56	36.62	08.07.2011 15:41:45	36.01	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 20								
Script number 6365			Date/Time of First Burst in Test Script Run 6 08.07.2011 15:55:00					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C20016034	08.07.2011 15:55:38	08.07.2011 15:57:23	35.6	08.07.2011 15:57:23	35.6	08.07.2011 15:58:14	35.37	406059500
9C5C00C20026034	08.07.2011 15:55:32	08.07.2011 15:58:47	36.74	08.07.2011 15:58:47	36.74	08.07.2011 15:59:37	35.18	406059500
9C5C00C20036034	08.07.2011 15:55:01	08.07.2011 15:55:51	35.02	08.07.2011 15:55:51	35.02	08.07.2011 15:56:39	35.48	406059500
9C5C00C20046034	08.07.2011 15:55:11	08.07.2011 15:55:12	35.71	08.07.2011 15:55:12	35.71	08.07.2011 15:56:55	35.34	406059500
9C5C00C20056034	08.07.2011 15:55:09	08.07.2011 15:56:46	34.91	08.07.2011 15:56:46	34.91	08.07.2011 15:57:34	36.51	406059500
9C5C00C20066034	08.07.2011 15:55:30	08.07.2011 15:55:31	34.74	08.07.2011 15:55:31	34.74	08.07.2011 15:58:01	34.86	406059500
9C5C00C20076034	08.07.2011 15:55:35	08.07.2011 15:57:14	34.88	08.07.2011 15:57:14	34.88	08.07.2011 16:00:34	33.81	406059500
9C5C00C20086034	08.07.2011 15:55:38	08.07.2011 15:56:28	36.05	08.07.2011 15:56:28	36.05	08.07.2011 15:58:08	36.53	406059500
9C5C00C20096034	08.07.2011 15:55:12	08.07.2011 15:55:13	35.05	08.07.2011 15:55:13	35.05	08.07.2011 15:56:52	34.34	406059500
9C5C00C20106034	08.07.2011 15:55:35	08.07.2011 15:58:05	36.65	08.07.2011 15:58:05	36.65	08.07.2011 16:00:41	34.36	406059500
9C5C00C20116034	08.07.2011 15:55:40	08.07.2011 15:55:41	36.02	08.07.2011 15:55:41	36.02	08.07.2011 15:57:21	34.98	406059500
9C5C00C20126034	08.07.2011 15:55:29	08.07.2011 15:55:30	34.93	08.07.2011 15:55:30	34.93	08.07.2011 15:56:19	35.66	406059500
9C5C00C20136034	08.07.2011 15:55:32	08.07.2011 16:02:12	34.18	08.07.2011 16:02:12	34.18	08.07.2011 16:05:32	35.72	406059500
9C5C00C20146034	08.07.2011 15:55:08	08.07.2011 15:56:50	34.93	08.07.2011 15:56:50	34.93	08.07.2011 15:57:38	35.59	406059500
9C5C00C20156034	08.07.2011 15:55:31	08.07.2011 15:55:32	35.33	08.07.2011 15:55:32	35.33	08.07.2011 15:58:04	36.85	406059500
9C5C00C20166034	08.07.2011 15:55:33	08.07.2011 15:55:34	35.35	08.07.2011 15:55:34	35.35	08.07.2011 15:56:26	36.11	406059500
9C5C00C20176034	08.07.2011 15:55:01	08.07.2011 15:55:52	34.18	08.07.2011 15:55:52	34.18	08.07.2011 15:57:32	37.13	406059500
9C5C00C20186034	08.07.2011 15:55:20	08.07.2011 15:55:20	35.73	08.07.2011 15:55:20	35.73	08.07.2011 15:56:12	36.6	406059500
9C5C00C20196034	08.07.2011 15:55:04	08.07.2011 15:55:05	36.06	08.07.2011 15:55:05	36.06	08.07.2011 15:56:49	35.44	406059500
9C5C00C20206034	08.07.2011 15:55:00	08.07.2011 15:55:01	34.82	08.07.2011 15:55:01	34.82	08.07.2011 15:55:50	34.73	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 20								
Script number 6366			Date/Time of First Burst in Test Script Run 7 08.07.2011 16:15:07					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C20017034	08.07.2011 16:15:36	08.07.2011 16:15:37	34.73	08.07.2011 16:15:37	34.73	08.07.2011 16:16:28	35.92	406059500
9C5C00C20027034	08.07.2011 16:15:27	08.07.2011 16:15:27	35.53	08.07.2011 16:15:27	35.53	08.07.2011 16:16:16	35.48	406059500
9C5C00C20037034	08.07.2011 16:15:24	08.07.2011 16:15:25	34.01	08.07.2011 16:15:25	34.01	08.07.2011 16:16:13	35.05	406059500
9C5C00C20047034	08.07.2011 16:15:44	08.07.2011 16:15:44	35.47	08.07.2011 16:15:44	35.47	08.07.2011 16:16:33	34.73	406059500
9C5C00C20057034	08.07.2011 16:15:31	08.07.2011 16:15:32	36.15	08.07.2011 16:15:32	36.15	08.07.2011 16:16:23	35.7	406059500
9C5C00C20067034	08.07.2011 16:15:29	08.07.2011 16:15:30	35.58	08.07.2011 16:15:30	35.58	08.07.2011 16:16:22	35.07	406059500
9C5C00C20077034	08.07.2011 16:15:15	08.07.2011 16:15:15	35.68	08.07.2011 16:15:15	35.68	08.07.2011 16:17:46	36.25	406059500
9C5C00C20087034	08.07.2011 16:15:42	08.07.2011 16:15:43	34.39	08.07.2011 16:15:43	34.39	08.07.2011 16:16:32	34.85	406059500
9C5C00C20097034	08.07.2011 16:15:41	08.07.2011 16:16:31	36.13	08.07.2011 16:16:31	36.13	08.07.2011 16:17:24	35.54	406059500
9C5C00C20107034	08.07.2011 16:15:48	08.07.2011 16:15:48	36.04	08.07.2011 16:15:48	36.04	08.07.2011 16:16:39	35.83	406059500
9C5C00C20117034	08.07.2011 16:15:28	08.07.2011 16:15:29	34.25	08.07.2011 16:15:29	34.25	08.07.2011 16:16:20	36.13	406059500
9C5C00C20127034	08.07.2011 16:15:08	08.07.2011 16:15:57	35.69	08.07.2011 16:15:57	35.69	08.07.2011 16:18:31	35.08	406059500
9C5C00C20137034	08.07.2011 16:15:41	08.07.2011 16:16:30	35.83	08.07.2011 16:16:30	35.83	08.07.2011 16:17:21	34.72	406059500
9C5C00C20147034	08.07.2011 16:15:20	08.07.2011 16:15:20	35.88	08.07.2011 16:15:20	35.88	08.07.2011 16:16:08	36.18	406059500
9C5C00C20157034	08.07.2011 16:15:05	08.07.2011 16:15:06	35.76	08.07.2011 16:15:06	35.76	08.07.2011 16:17:38	35.31	406059500
9C5C00C20167034	08.07.2011 16:15:07	08.07.2011 16:17:38	35.12	08.07.2011 16:17:38	35.12	08.07.2011 16:18:27	35.3	406059500
9C5C00C20177034	08.07.2011 16:15:08	08.07.2011 16:16:49	35.21	08.07.2011 16:16:49	35.21	08.07.2011 16:18:30	33.89	406059500
9C5C00C20187034	08.07.2011 16:15:33	08.07.2011 16:15:34	34.12	08.07.2011 16:15:34	34.12	08.07.2011 16:20:30	34.39	406059500
9C5C00C20197034	08.07.2011 16:15:35	08.07.2011 16:15:35	35.63	08.07.2011 16:15:35	35.63	08.07.2011 16:19:45	35.67	406059500
9C5C00C20207034	08.07.2011 16:15:18	08.07.2011 16:15:19	35.55	08.07.2011 16:15:19	35.55	08.07.2011 16:16:11	36.31	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 20								
Script number 6367			Date/Time of First Burst in Test Script Run 8 08.07.2011 16:35:02					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C20018034	08.07.2011 16:35:29	08.07.2011 16:36:18	35.71	08.07.2011 16:36:18	35.71	08.07.2011 16:37:11	34.35	406059500
9C5C00C20028034	08.07.2011 16:35:44	08.07.2011 16:37:22	34.44	08.07.2011 16:37:22	34.44	08.07.2011 16:38:58	35.05	406059500
9C5C00C20038034	08.07.2011 16:35:10	08.07.2011 16:36:03	34.88	08.07.2011 16:36:03	34.88	08.07.2011 16:38:28	34.66	406059500
9C5C00C20048034	08.07.2011 16:35:02	08.07.2011 16:35:03	36.58	08.07.2011 16:35:03	36.58	08.07.2011 16:35:53	35.49	406059500
9C5C00C20058034	08.07.2011 16:35:36	08.07.2011 16:35:38	34.65	08.07.2011 16:35:38	34.65	08.07.2011 16:37:18	34.61	406059500
9C5C00C20068034	08.07.2011 16:35:49	08.07.2011 16:38:17	33.2	08.07.2011 16:38:17	33.2	08.07.2011 16:38:24	35.72	406059500
9C5C00C20078034	08.07.2011 16:35:23	08.07.2011 16:35:24	34.83	08.07.2011 16:35:24	34.83	08.07.2011 16:39:29	34.8	406059500
9C5C00C20088034	08.07.2011 16:35:38	08.07.2011 16:37:19	34.43	08.07.2011 16:37:19	34.43	08.07.2011 16:38:07	36.6	406059500
9C5C00C20098034	08.07.2011 16:35:19	08.07.2011 16:35:20	35.91	08.07.2011 16:35:20	35.91	08.07.2011 16:39:27	35.85	406059500
9C5C00C20108034	08.07.2011 16:35:46	08.07.2011 16:42:37	35.22	08.07.2011 16:42:37	35.22	08.07.2011 16:43:27	36.03	406059500
9C5C00C20118034	08.07.2011 16:35:15	08.07.2011 16:35:16	36.23	08.07.2011 16:35:16	36.23	08.07.2011 16:39:29	35.86	406059500
9C5C00C20128034	08.07.2011 16:35:28	08.07.2011 16:35:30	34.76	08.07.2011 16:35:30	34.76	08.07.2011 16:36:19	34.81	406059500
9C5C00C20138034	08.07.2011 16:35:09	08.07.2011 16:36:01	34.62	08.07.2011 16:36:01	34.62	08.07.2011 16:38:27	34.61	406059500
9C5C00C20148034	08.07.2011 16:35:48	08.07.2011 16:38:21	35.38	08.07.2011 16:38:21	35.38	08.07.2011 16:40:52	35.78	406059500
9C5C00C20158034	08.07.2011 16:35:45	08.07.2011 16:37:23	36.58	08.07.2011 16:37:23	36.58	08.07.2011 16:39:04	35.94	406059500
9C5C00C20168034	08.07.2011 16:35:38	08.07.2011 16:37:21	34.84	08.07.2011 16:37:21	34.84	08.07.2011 16:39:03	35.23	406059500
9C5C00C20178034	08.07.2011 16:35:44	08.07.2011 16:39:05	35.86	08.07.2011 16:39:05	35.86	08.07.2011 16:39:55	36.16	406059500
9C5C00C20188034	08.07.2011 16:35:18	08.07.2011 16:35:19	36.98	08.07.2011 16:35:19	36.98	08.07.2011 16:38:43	35.24	406059500
9C5C00C20198034	08.07.2011 16:35:32	08.07.2011 16:35:34	35.09	08.07.2011 16:35:34	35.09	08.07.2011 16:36:25	35.32	406059500
9C5C00C20208034	08.07.2011 16:35:49	08.07.2011 16:38:20	36.01	08.07.2011 16:38:20	36.01	08.07.2011 16:40:51	35.43	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 20								
Script number 6368			Date/Time of First Burst in Test Script Run 9 08.07.2011 16:35:02					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C20019034	08.07.2011 16:55:22	08.07.2011 16:55:23	34.97	08.07.2011 16:55:23	34.97	08.07.2011 16:56:15	35.44	406059500
9C5C00C20029034	08.07.2011 16:55:44	08.07.2011 16:55:45	36.61	08.07.2011 16:55:45	36.61	08.07.2011 16:56:37	35.61	406059500
9C5C00C20039034	08.07.2011 16:55:00	08.07.2011 16:55:02	35.2	08.07.2011 16:55:02	35.2	08.07.2011 16:55:53	35.48	406059500
9C5C00C20049034	08.07.2011 16:55:34	08.07.2011 16:56:26	37.07	08.07.2011 16:56:26	37.07	08.07.2011 16:59:46	35.41	406059500
9C5C00C20059034	08.07.2011 16:55:06	08.07.2011 16:58:25	34.86	08.07.2011 16:58:25	34.86	08.07.2011 17:00:56	36.19	406059500
9C5C00C20069034	08.07.2011 16:55:20	08.07.2011 16:55:22	35.01	08.07.2011 16:55:22	35.01	08.07.2011 16:56:12	36.02	406059500
9C5C00C20079034	08.07.2011 16:55:44	08.07.2011 16:57:26	35.83	08.07.2011 16:57:26	35.83	08.07.2011 16:58:15	35.47	406059500
9C5C00C20089034	08.07.2011 16:55:45	08.07.2011 16:56:38	35.63	08.07.2011 16:56:38	35.63	08.07.2011 16:57:30	35.9	406059500
9C5C00C20099034	08.07.2011 16:55:10	08.07.2011 16:56:50	35.74	08.07.2011 16:56:50	35.74	08.07.2011 16:57:39	35.26	406059500
9C5C00C20109034	08.07.2011 16:55:09	08.07.2011 16:56:55	37.47	08.07.2011 16:56:55	37.47	08.07.2011 16:57:45	35.11	406059500
9C5C00C20119034	08.07.2011 16:55:34	08.07.2011 16:56:26	35.88	08.07.2011 16:56:26	35.88	08.07.2011 16:57:17	34	406059500
9C5C00C20129034	08.07.2011 16:55:15	08.07.2011 16:57:00	35.15	08.07.2011 16:57:00	35.15	08.07.2011 16:57:50	35.97	406059500
9C5C00C20139034	08.07.2011 16:55:41	08.07.2011 16:55:43	34.87	08.07.2011 16:55:43	34.87	08.07.2011 16:57:27	34.87	406059500
9C5C00C20149034	08.07.2011 16:55:06	08.07.2011 16:57:38	35.47	08.07.2011 16:57:38	35.47	Not produced		406059500
9C5C00C20159034	08.07.2011 16:55:38	08.07.2011 16:55:39	35.59	08.07.2011 16:55:39	35.59	08.07.2011 16:56:30	36.12	406059500
9C5C00C20169034	08.07.2011 16:55:33	08.07.2011 16:56:25	35.71	08.07.2011 16:56:25	35.71	08.07.2011 16:57:16	35.44	406059500
9C5C00C20179034	08.07.2011 16:55:08	08.07.2011 16:59:11	37.16	08.07.2011 16:59:11	37.16	08.07.2011 17:00:51	36.01	406059500
9C5C00C20189034	08.07.2011 16:55:48	08.07.2011 16:56:39	35.15	08.07.2011 16:56:39	35.15	08.07.2011 16:57:28	35.85	406059500
9C5C00C20199034	08.07.2011 16:55:47	08.07.2011 16:56:41	36.93	08.07.2011 16:56:41	36.93	08.07.2011 16:57:31	35.98	406059500
9C5C00C20209034	08.07.2011 16:55:15	08.07.2011 16:56:57	36.06	08.07.2011 16:56:57	36.06	08.07.2011 16:57:47	36.08	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 20								
Script number 6369			Date/Time of First Burst in Test Script Run 10 08.07.2011 16:35:02					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C2001A034	08.07.2011 17:15:26	08.07.2011 17:16:18	35.69	08.07.2011 17:16:18	35.69	08.07.2011 17:17:10	36.51	406059500
9C5C00C2002A034	08.07.2011 17:15:16	08.07.2011 17:16:09	36.4	08.07.2011 17:16:09	36.4	08.07.2011 17:17:01	36.33	406059500
9C5C00C2003A034	08.07.2011 17:15:02	08.07.2011 17:15:02	36.26	08.07.2011 17:15:02	36.26	08.07.2011 17:15:53	37.8	406059500
9C5C00C2004A034	08.07.2011 17:15:47	08.07.2011 17:15:48	35.98	08.07.2011 17:15:48	35.98	08.07.2011 17:16:36	36.77	406059500
9C5C00C2005A034	08.07.2011 17:15:41	08.07.2011 17:15:42	37.1	08.07.2011 17:15:42	37.1	08.07.2011 17:19:02	36.49	406059500
9C5C00C2006A034	08.07.2011 17:15:14	08.07.2011 17:16:03	36.72	08.07.2011 17:16:03	36.72	08.07.2011 17:16:53	35.37	406059500
9C5C00C2007A034	08.07.2011 17:15:39	08.07.2011 17:15:40	36.48	08.07.2011 17:15:40	36.48	08.07.2011 17:16:31	36.13	406059500
9C5C00C2008A034	08.07.2011 17:15:05	08.07.2011 17:15:06	35.4	08.07.2011 17:15:54	37.21	08.07.2011 17:20:02	36.16	406059500
9C5C00C2009A034	08.07.2011 17:15:13	08.07.2011 17:16:05	36.74	08.07.2011 17:16:05	36.74	08.07.2011 17:16:57	36.63	406059500
9C5C00C2010A034	08.07.2011 17:15:22	08.07.2011 17:15:23	36.46	08.07.2011 17:15:23	36.46	08.07.2011 17:18:47	36.85	406059500
9C5C00C2011A034	08.07.2011 17:15:08	08.07.2011 17:17:43	35.76	08.07.2011 17:17:43	35.76	08.07.2011 17:19:23	36.78	406059500
9C5C00C2012A034	08.07.2011 17:15:25	08.07.2011 17:18:46	36.34	08.07.2011 17:18:46	36.34	08.07.2011 17:19:37	35.7	406059500
9C5C00C2013A034	08.07.2011 17:15:35	08.07.2011 17:15:36	35.76	08.07.2011 17:15:36	35.76	08.07.2011 17:16:26	35.89	406059500
9C5C00C2014A034	08.07.2011 17:15:22	08.07.2011 17:16:12	35.56	08.07.2011 17:16:12	35.56	08.07.2011 17:17:00	36	406059500
9C5C00C2015A034	08.07.2011 17:15:25	08.07.2011 17:15:25	36.22	08.07.2011 17:15:25	36.22	08.07.2011 17:16:15	36.65	406059500
9C5C00C2016A034	08.07.2011 17:15:49	08.07.2011 17:15:50	36.96	08.07.2011 17:15:50	36.96	08.07.2011 17:16:38	36.88	406059500
9C5C00C2017A034	08.07.2011 17:15:08	08.07.2011 17:18:32	35.53	08.07.2011 17:18:32	35.53	08.07.2011 17:19:20	36.54	406059500
9C5C00C2018A034	08.07.2011 17:15:27	08.07.2011 17:15:28	35.28	08.07.2011 17:15:28	35.28	08.07.2011 17:16:19	36.98	406059500
9C5C00C2019A034	08.07.2011 17:15:43	08.07.2011 17:15:44	35.77	08.07.2011 17:15:44	35.77	08.07.2011 17:16:34	36.74	406059500
9C5C00C2020A034	08.07.2011 17:15:03	08.07.2011 17:15:04	35.95	08.07.2011 17:15:04	35.95	08.07.2011 17:15:53	35.07	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 25								
Script number 6370			Date/Time of First Burst in Test Script Run 1 08.07.2011 17:35:00					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C25011034	08.07.2011 17:35:19	08.07.2011 17:37:43	36.12	08.07.2011 17:37:43	36.12	08.07.2011 17:41:56	36	406059500
9C5C00C25021034	08.07.2011 17:35:12	08.07.2011 17:41:09	35.89	08.07.2011 17:41:09	35.89	Not produced		406059500
9C5C00C25031034	08.07.2011 17:35:15	08.07.2011 17:40:19	36.54	08.07.2011 17:40:19	36.54	08.07.2011 17:42:48	35.11	406059500
9C5C00C25041034	08.07.2011 17:35:29	08.07.2011 17:35:30	37.08	08.07.2011 17:35:30	37.08	08.07.2011 17:36:22	36.93	406059500
9C5C00C25051034	08.07.2011 17:35:02	08.07.2011 17:35:03	36.38	08.07.2011 17:35:03	36.38	08.07.2011 17:35:52	36.91	406059500
9C5C00C25061034	08.07.2011 17:35:39	08.07.2011 17:38:10	35.79	08.07.2011 17:38:10	35.79	08.07.2011 17:41:29	35.34	406059500
9C5C00C25071034	08.07.2011 17:35:16	08.07.2011 17:42:39	36.74	08.07.2011 17:42:39	36.74	Not produced		406059500
9C5C00C25081034	08.07.2011 17:35:41	08.07.2011 17:36:30	37.32	08.07.2011 17:36:30	37.32	08.07.2011 17:39:45	35.8	406059500
9C5C00C25091034	08.07.2011 17:35:37	08.07.2011 17:35:38	37.69	08.07.2011 17:35:38	37.69	08.07.2011 17:37:16	35.41	406059500
9C5C00C25101034	08.07.2011 17:35:34	08.07.2011 17:35:35	36.49	08.07.2011 17:35:35	36.49	08.07.2011 17:37:16	35.75	406059500
9C5C00C25111034	08.07.2011 17:35:49	08.07.2011 17:35:50	36.36	08.07.2011 17:35:50	36.36	08.07.2011 17:39:13	36.48	406059500
9C5C00C25121034	08.07.2011 17:35:04	08.07.2011 17:35:05	37.37	08.07.2011 17:35:05	37.37	08.07.2011 17:35:56	36.02	406059500
9C5C00C25131034	08.07.2011 17:35:23	08.07.2011 17:35:24	36.55	08.07.2011 17:35:24	36.55	08.07.2011 17:42:51	37.11	406059500
9C5C00C25141034	08.07.2011 17:35:12	08.07.2011 17:42:37	36.5	08.07.2011 17:42:37	36.5	08.07.2011 17:49:17	36.41	406059500
9C5C00C25151034	08.07.2011 17:35:18	08.07.2011 17:41:53	31.41	08.07.2011 17:41:53	31.41	08.07.2011 17:43:37	36.74	406059500
9C5C00C25161034	08.07.2011 17:35:47	08.07.2011 17:38:18	36.26	08.07.2011 17:38:18	36.26	08.07.2011 17:39:56	36.07	406059500
9C5C00C25171034	08.07.2011 17:35:00	08.07.2011 17:35:54	35.59	08.07.2011 17:35:54	35.59	08.07.2011 17:39:17	35.64	406059500
9C5C00C25181034	08.07.2011 17:35:19	08.07.2011 17:47:45	35.36	08.07.2011 17:47:45	35.36	08.07.2011 17:48:35	36.07	406059500
9C5C00C25191034	08.07.2011 17:35:40	08.07.2011 17:40:49	35.17	08.07.2011 17:40:49	35.17	08.07.2011 17:45:00	36.52	406059500
9C5C00C25201034	08.07.2011 17:35:13	08.07.2011 17:36:53	37.16	08.07.2011 17:36:53	37.16	08.07.2011 17:42:47	37.41	406059500
9C5C00C25211034	08.07.2011 17:35:22	08.07.2011 17:35:23	36.42	08.07.2011 17:35:23	36.42	08.07.2011 17:45:24	35.92	406059500
9C5C00C25221034	08.07.2011 17:35:12	08.07.2011 17:41:54	37.42	08.07.2011 17:41:54	37.42	Not produced		406059500
9C5C00C25231034	08.07.2011 17:35:48	08.07.2011 17:41:35	36.33	08.07.2011 17:41:35	36.33	08.07.2011 17:42:23	36.77	406059500
9C5C00C25241034	08.07.2011 17:35:43	08.07.2011 17:35:44	37.06	08.07.2011 17:35:44	37.06	08.07.2011 17:40:01	36.08	406059500
9C5C00C25251034	08.07.2011 17:35:39	08.07.2011 17:36:31	35.79	08.07.2011 17:36:31	35.79	08.07.2011 17:39:58	35.33	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 25								
Script number 6371			Date/Time of First Burst in Test Script Run 2 08.07.2011 17:55:02					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C25012034	08.07.2011 17:55:05	08.07.2011 17:55:58	36.62	08.07.2011 17:55:58	36.62	08.07.2011 17:57:42	35.91	406059500
9C5C00C25022034	08.07.2011 17:55:49	08.07.2011 17:55:50	36.03	08.07.2011 17:55:50	36.03	08.07.2011 17:59:58	35.71	406059500
9C5C00C25032034	08.07.2011 17:55:23	08.07.2011 17:57:05	36.14	08.07.2011 17:57:05	36.14	08.07.2011 17:58:48	36.5	406059500
9C5C00C25042034	08.07.2011 17:55:34	08.07.2011 17:59:44	36.48	08.07.2011 17:59:44	36.48	08.07.2011 18:00:35	35.67	406059500
9C5C00C25052034	08.07.2011 17:55:13	08.07.2011 17:56:06	36.86	08.07.2011 17:56:06	36.86	08.07.2011 17:56:57	36.74	406059500
9C5C00C25062034	08.07.2011 17:55:12	08.07.2011 17:56:05	36.04	08.07.2011 17:56:05	36.04	08.07.2011 17:57:46	35.05	406059500
9C5C00C25072034	08.07.2011 17:55:38	08.07.2011 17:58:04	36.07	08.07.2011 17:58:04	36.07	08.07.2011 17:58:59	36.26	406059500
9C5C00C25082034	08.07.2011 17:55:34	08.07.2011 18:07:19	37.56	08.07.2011 18:07:19	37.56	08.07.2011 18:08:11	36.65	406059500
9C5C00C25092034	08.07.2011 17:55:39	08.07.2011 18:02:15	36.61	08.07.2011 18:02:15	36.61	Not produced		406059500
9C5C00C25102034	08.07.2011 17:55:19	08.07.2011 17:55:20	36.19	08.07.2011 17:55:20	36.19	08.07.2011 17:56:59	37.77	406059500
9C5C00C25112034	08.07.2011 17:55:29	08.07.2011 17:55:30	35.38	08.07.2011 17:55:30	35.38	08.07.2011 17:58:01	36.93	406059500
9C5C00C25122034	08.07.2011 17:55:43	08.07.2011 17:56:36	37.09	08.07.2011 17:56:36	37.09	08.07.2011 17:57:28	36.82	406059500
9C5C00C25132034	08.07.2011 17:55:24	08.07.2011 17:55:25	36.48	08.07.2011 17:55:25	36.48	08.07.2011 17:57:07	37.22	406059500
9C5C00C25142034	08.07.2011 17:55:37	08.07.2011 17:59:48	36.14	08.07.2011 17:59:48	36.14	08.07.2011 18:00:37	35.51	406059500
9C5C00C25152034	08.07.2011 17:55:17	08.07.2011 17:55:18	36.35	08.07.2011 17:55:18	36.35	08.07.2011 17:56:07	37.2	406059500
9C5C00C25162034	08.07.2011 17:55:16	08.07.2011 17:55:17	37.25	08.07.2011 17:55:17	37.25	08.07.2011 17:57:00	36.61	406059500
9C5C00C25172034	08.07.2011 17:55:09	08.07.2011 17:55:10	36.1	08.07.2011 17:55:10	36.1	08.07.2011 17:58:29	35.64	406059500
9C5C00C25182034	08.07.2011 17:55:36	08.07.2011 17:58:58	35.32	08.07.2011 17:58:58	35.32	Not produced		406059500
9C5C00C25192034	08.07.2011 17:55:23	08.07.2011 17:57:04	35.89	08.07.2011 17:57:04	35.89	08.07.2011 17:58:44	36.77	406059500
9C5C00C25202034	08.07.2011 17:55:05	08.07.2011 17:59:22	37.84	08.07.2011 17:59:22	37.84	08.07.2011 18:01:00	36.68	406059500
9C5C00C25212034	08.07.2011 17:55:37	08.07.2011 17:59:45	36.45	08.07.2011 17:59:45	36.45	Not produced		406059500
9C5C00C25222034	08.07.2011 17:55:23	08.07.2011 17:57:03	36.25	08.07.2011 17:57:03	36.25	08.07.2011 17:57:55	36.21	406059500
9C5C00C25232034	08.07.2011 17:55:02	08.07.2011 17:55:03	36.33	08.07.2011 17:55:03	36.33	08.07.2011 17:55:51	36.71	406059500
9C5C00C25242034	08.07.2011 17:55:06	08.07.2011 17:55:08	36.5	08.07.2011 17:55:08	36.5	08.07.2011 17:56:00	35.8	406059500
9C5C00C25252034	08.07.2011 17:55:25	08.07.2011 17:55:27	35.52	08.07.2011 17:55:27	35.52	08.07.2011 17:57:08	35.87	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 25								
Script number 6372			Date/Time of First Burst in Test Script Run 3 08.07.2011 18:15:01					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C25013034	08.07.2011 18:15:26	08.07.2011 18:17:06	37.55	08.07.2011 18:17:06	37.55	08.07.2011 18:20:26	36.7	406059500
9C5C00C25023034	08.07.2011 18:15:32	08.07.2011 18:17:12	36.84	08.07.2011 18:17:12	36.84	08.07.2011 18:18:01	35.96	406059500
9C5C00C25033034	08.07.2011 18:15:48	08.07.2011 18:23:16	37.77	08.07.2011 18:23:16	37.77	08.07.2011 18:24:55	35.96	406059500
9C5C00C25043034	08.07.2011 18:15:18	08.07.2011 18:15:19	35.96	08.07.2011 18:15:19	35.96	08.07.2011 18:16:09	37.62	406059500
9C5C00C25053034	08.07.2011 18:15:38	08.07.2011 18:16:27	36.51	08.07.2011 18:16:27	36.51	08.07.2011 18:17:20	35.38	406059500
9C5C00C25063034	08.07.2011 18:15:38	08.07.2011 18:16:31	37.1	08.07.2011 18:16:31	37.1	08.07.2011 18:20:37	37.29	406059500
9C5C00C25073034	08.07.2011 18:15:15	08.07.2011 18:15:16	36.73	08.07.2011 18:15:16	36.73	08.07.2011 18:16:04	36.81	406059500
9C5C00C25083034	08.07.2011 18:15:24	08.07.2011 18:15:25	36.12	08.07.2011 18:15:25	36.12	08.07.2011 18:17:03	37.32	406059500
9C5C00C25093034	08.07.2011 18:15:13	08.07.2011 18:15:14	36.6	08.07.2011 18:15:14	36.6	08.07.2011 18:20:08	36.76	406059500
9C5C00C25103034	08.07.2011 18:15:42	08.07.2011 18:18:09	35.51	08.07.2011 18:18:09	35.51	08.07.2011 18:19:50	36.8	406059500
9C5C00C25113034	08.07.2011 18:15:26	08.07.2011 18:16:16	36.89	08.07.2011 18:16:16	36.89	08.07.2011 18:17:06	36.31	406059500
9C5C00C25123034	08.07.2011 18:15:36	08.07.2011 18:15:37	36.86	08.07.2011 18:15:37	36.86	08.07.2011 18:16:25	37.76	406059500
9C5C00C25133034	08.07.2011 18:15:03	08.07.2011 18:15:04	37.85	08.07.2011 18:15:04	37.85	08.07.2011 18:26:42	35.96	406059500
9C5C00C25143034	08.07.2011 18:15:06	08.07.2011 18:15:07	37.18	08.07.2011 18:15:07	37.18	08.07.2011 18:21:48	37.03	406059500
9C5C00C25153034	08.07.2011 18:15:46	08.07.2011 18:24:57	37.16	08.07.2011 18:24:57	37.16	08.07.2011 18:25:46	36.95	406059500
9C5C00C25163034	08.07.2011 18:15:01	08.07.2011 18:15:02	35.8	08.07.2011 18:15:02	35.8	08.07.2011 18:18:16	36.92	406059500
9C5C00C25173034	08.07.2011 18:15:46	08.07.2011 18:17:24	36.28	08.07.2011 18:17:24	36.28	08.07.2011 18:18:13	36.19	406059500
9C5C00C25183034	08.07.2011 18:15:29	08.07.2011 18:18:04	37.45	08.07.2011 18:18:04	37.45	08.07.2011 18:18:53	36.29	406059500
9C5C00C25193034	08.07.2011 18:15:32	08.07.2011 18:18:02	36.19	08.07.2011 18:18:02	36.19	08.07.2011 18:18:54	37.58	406059500
9C5C00C25203034	08.07.2011 18:15:40	08.07.2011 18:15:41	36.21	08.07.2011 18:15:41	36.21	08.07.2011 18:24:58	35.18	406059500
9C5C00C25213034	08.07.2011 18:15:04	08.07.2011 18:15:05	37.07	08.07.2011 18:15:05	37.07	08.07.2011 18:26:02	36.69	406059500
9C5C00C25223034	08.07.2011 18:15:41	08.07.2011 18:16:34	36.96	08.07.2011 18:16:34	36.96	08.07.2011 18:22:30	33.2	406059500
9C5C00C25233034	08.07.2011 18:15:47	08.07.2011 18:16:37	35.21	08.07.2011 18:16:37	35.21	08.07.2011 18:17:27	36.7	406059500
9C5C00C25243034	08.07.2011 18:15:01	08.07.2011 18:15:03	36.16	08.07.2011 18:15:03	36.16	08.07.2011 18:18:22	36.53	406059500
9C5C00C25253034	08.07.2011 18:15:10	08.07.2011 18:15:11	37.29	08.07.2011 18:15:11	37.29	08.07.2011 18:21:50	37.25	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 25								
Script number 6373			Date/Time of First Burst in Test Script Run 4 08.07.2011 18:35:07					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C25014034	08.07.2011 18:35:10	08.07.2011 18:35:11	36.8	08.07.2011 18:35:11	36.8	08.07.2011 18:36:48	35.69	406059500
9C5C00C25024034	08.07.2011 18:35:44	08.07.2011 18:35:45	37.27	08.07.2011 18:35:45	37.27	08.07.2011 18:37:24	36.77	406059500
9C5C00C25034034	08.07.2011 18:35:23	08.07.2011 18:36:15	37.09	08.07.2011 18:36:15	37.09	08.07.2011 18:39:34	37.43	406059500
9C5C00C25044034	08.07.2011 18:35:34	08.07.2011 18:35:35	36.67	08.07.2011 18:35:35	36.67	08.07.2011 18:39:00	36.88	406059500
9C5C00C25054034	08.07.2011 18:35:15	08.07.2011 18:35:16	35.48	08.07.2011 18:35:16	35.48	08.07.2011 18:36:57	36.59	406059500
9C5C00C25064034	08.07.2011 18:35:07	08.07.2011 18:36:49	36.51	08.07.2011 18:36:49	36.51	08.07.2011 18:38:30	37.4	406059500
9C5C00C25074034	08.07.2011 18:35:12	08.07.2011 18:36:03	37.26	08.07.2011 18:36:03	37.26	08.07.2011 18:36:53	36.55	406059500
9C5C00C25084034	08.07.2011 18:35:46	08.07.2011 18:37:25	36.51	08.07.2011 18:37:25	36.51	08.07.2011 18:38:14	36.75	406059500
9C5C00C25094034	08.07.2011 18:35:12	08.07.2011 18:36:05	35.97	08.07.2011 18:36:05	35.97	08.07.2011 18:36:54	36.52	406059500
9C5C00C25104034	08.07.2011 18:35:33	08.07.2011 18:37:15	36.57	08.07.2011 18:37:15	36.57	08.07.2011 18:38:06	37.21	406059500
9C5C00C25114034	08.07.2011 18:35:45	08.07.2011 18:43:19	36.44	08.07.2011 18:43:19	36.44	08.07.2011 18:49:09	36.98	406059500
9C5C00C25124034	08.07.2011 18:35:27	08.07.2011 18:35:28	36.8	08.07.2011 18:35:28	36.8	08.07.2011 18:36:17	36.3	406059500
9C5C00C25134034	08.07.2011 18:35:40	08.07.2011 18:38:11	36.65	08.07.2011 18:38:11	36.65	08.07.2011 18:39:03	36.25	406059500
9C5C00C25144034	08.07.2011 18:35:46	08.07.2011 18:37:27	36.81	08.07.2011 18:37:27	36.81	08.07.2011 18:45:00	36.74	406059500
9C5C00C25154034	08.07.2011 18:35:29	08.07.2011 18:35:30	37.01	08.07.2011 18:35:30	37.01	08.07.2011 18:36:19	36.89	406059500
9C5C00C25164034	08.07.2011 18:35:23	08.07.2011 18:36:14	36.69	08.07.2011 18:36:14	36.69	08.07.2011 18:39:31	36.66	406059500
9C5C00C25174034	08.07.2011 18:35:17	08.07.2011 18:35:18	36.59	08.07.2011 18:35:18	36.59	08.07.2011 18:36:58	36	406059500
9C5C00C25184034	08.07.2011 18:35:31	08.07.2011 18:37:14	36.42	08.07.2011 18:37:14	36.42	08.07.2011 18:38:05	37.72	406059500
9C5C00C25194034	08.07.2011 18:35:33	08.07.2011 18:35:34	36.56	08.07.2011 18:35:34	36.56	08.07.2011 18:36:23	35.88	406059500
9C5C00C25204034	08.07.2011 18:35:47	08.07.2011 18:39:09	36.11	08.07.2011 18:39:09	36.11	08.07.2011 18:45:03	37.4	406059500
9C5C00C25214034	08.07.2011 18:35:07	08.07.2011 18:36:47	36.48	08.07.2011 18:36:47	36.48	08.07.2011 18:37:38	37.52	406059500
9C5C00C25224034	08.07.2011 18:35:40	08.07.2011 18:38:10	36.97	08.07.2011 18:38:10	36.97	08.07.2011 18:40:41	37.05	406059500
9C5C00C25234034	08.07.2011 18:35:31	08.07.2011 18:36:20	36.72	08.07.2011 18:36:20	36.72	08.07.2011 18:43:52	37.15	406059500
9C5C00C25244034	08.07.2011 18:35:37	08.07.2011 18:35:38	36.72	08.07.2011 18:35:38	36.72	08.07.2011 18:37:16	37.06	406059500
9C5C00C25254034	08.07.2011 18:35:47	08.07.2011 18:39:10	36.33	08.07.2011 18:39:10	36.33	08.07.2011 18:44:07	37.03	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 25								
Script number 6374			DateTime of First Burst in Test Script Run 5 08.07.2011 18:55:07					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C25015034	08.07.2011 18:55:33	08.07.2011 18:58:52	37.63	08.07.2011 18:58:52	37.63	08.07.2011 19:02:16	37.35	406059500
9C5C00C25025034	08.07.2011 18:55:10	08.07.2011 19:01:51	37.37	08.07.2011 19:01:51	37.37	08.07.2011 19:04:18	37.01	406059500
9C5C00C25035034	08.07.2011 18:55:26	08.07.2011 19:01:06	37.53	08.07.2011 19:01:06	37.53	Not produced		406059500
9C5C00C25045034	08.07.2011 18:55:07	08.07.2011 18:55:08	37.86	08.07.2011 18:55:08	37.86	08.07.2011 18:55:58	37.89	406059500
9C5C00C25055034	08.07.2011 18:55:13	08.07.2011 18:55:15	36.28	08.07.2011 18:55:15	36.28	08.07.2011 19:08:38	36.26	406059500
9C5C00C25065034	08.07.2011 18:55:43	08.07.2011 18:55:44	37.1	08.07.2011 18:55:44	37.1	08.07.2011 18:56:36	37.12	406059500
9C5C00C25075034	08.07.2011 18:55:19	08.07.2011 18:55:21	37.03	08.07.2011 18:55:21	37.03	08.07.2011 18:56:15	36.45	406059500
9C5C00C25085034	08.07.2011 18:55:16	08.07.2011 18:55:18	35.99	08.07.2011 18:55:18	35.99	08.07.2011 19:01:55	36.45	406059500
9C5C00C25095034	08.07.2011 18:55:31	08.07.2011 18:55:32	36.9	08.07.2011 18:55:32	36.9	08.07.2011 19:08:50	36.86	406059500
9C5C00C25105034	08.07.2011 18:55:17	08.07.2011 19:01:58	36.73	08.07.2011 19:01:58	36.73	08.07.2011 19:02:01	37.33	406059500
9C5C00C25115034	08.07.2011 18:55:28	08.07.2011 18:55:30	37.77	08.07.2011 18:55:30	37.77	08.07.2011 18:56:21	37.42	406059500
9C5C00C25125034	08.07.2011 18:55:08	08.07.2011 18:55:10	35.64	08.07.2011 18:55:10	35.64	08.07.2011 18:56:50	37.2	406059500
9C5C00C25135034	08.07.2011 18:55:11	08.07.2011 18:56:01	36.16	08.07.2011 18:56:01	36.16	08.07.2011 18:56:51	37.27	406059500
9C5C00C25145034	08.07.2011 18:55:23	08.07.2011 18:55:25	36.3	08.07.2011 18:55:25	36.3	08.07.2011 19:03:43	37.5	406059500
9C5C00C25155034	08.07.2011 18:55:33	08.07.2011 18:58:54	37.25	08.07.2011 18:58:54	37.25	08.07.2011 19:09:41	38.03	406059500
9C5C00C25165034	08.07.2011 18:55:34	08.07.2011 18:58:08	36.79	08.07.2011 18:58:08	36.79	08.07.2011 19:02:20	36.68	406059500
9C5C00C25175034	08.07.2011 18:55:25	08.07.2011 18:56:18	36.62	08.07.2011 18:56:18	36.62	08.07.2011 18:58:48	36.29	406059500
9C5C00C25184034	08.07.2011 18:55:10	Not produced		Not produced		Not produced		406059500
9C5C00C25195034	08.07.2011 18:55:45	08.07.2011 18:55:46	37.62	08.07.2011 18:55:46	37.62	08.07.2011 18:56:39	36.89	406059500
9C5C00C25205034	08.07.2011 18:55:48	08.07.2011 18:55:50	37.12	08.07.2011 18:55:50	37.12	08.07.2011 18:56:40	35.5	406059500
9C5C00C25215034	08.07.2011 18:55:44	08.07.2011 18:55:45	36.37	08.07.2011 18:55:45	36.37	08.07.2011 18:56:38	37.17	406059500
9C5C00C25225034	08.07.2011 18:55:35	08.07.2011 18:58:06	36.8	08.07.2011 18:58:06	36.8	08.07.2011 18:58:57	36.73	406059500
9C5C00C25235034	08.07.2011 18:55:39	08.07.2011 18:55:41	36.41	08.07.2011 18:55:41	36.41	08.07.2011 18:56:30	37.4	406059500
9C5C00C25245034	08.07.2011 18:55:18	08.07.2011 18:55:19	36.27	08.07.2011 18:55:19	36.27	08.07.2011 19:04:22	35.98	406059500
9C5C00C25255034	08.07.2011 18:55:41	08.07.2011 18:55:42	38.24	08.07.2011 18:55:42	38.24	08.07.2011 18:56:34	36.89	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 25								
Script number 6375			DateTime of First Burst in Test Script Run 6 08.07.2011 19:15:04					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT	Freq Transmitted (Hz)
9C5C00C25016034	08.07.2011 19:15:36	08.07.2011 19:17:14	36.62	08.07.2011 19:17:14	36.62	08.07.2011 19:18:06	35.82	406059500
9C5C00C25026034	08.07.2011 19:15:10	08.07.2011 19:17:43	34.96	08.07.2011 19:17:43	34.96	08.07.2011 19:18:32	37.98	406059500
9C5C00C25036034	08.07.2011 19:15:04	08.07.2011 19:15:06	35.92	08.07.2011 19:15:06	35.92	08.07.2011 19:16:43	37.32	406059500
9C5C00C25046034	08.07.2011 19:15:20	08.07.2011 19:17:01	35.77	08.07.2011 19:17:01	35.77	08.07.2011 19:17:48	36.06	406059500
9C5C00C25056034	08.07.2011 19:15:36	08.07.2011 19:16:27	36.36	08.07.2011 19:16:27	36.36	08.07.2011 19:18:58	37.06	406059500
9C5C00C25066034	08.07.2011 19:15:22	08.07.2011 19:15:23	36.68	08.07.2011 19:15:23	36.68	08.07.2011 19:17:53	37.5	406059500
9C5C00C25076034	08.07.2011 19:15:48	08.07.2011 19:22:31	36.98	08.07.2011 19:22:31	36.98	08.07.2011 19:24:09	36.13	406059500
9C5C00C25086034	08.07.2011 19:15:13	08.07.2011 19:17:46	36.33	08.07.2011 19:17:46	36.33	08.07.2011 19:19:27	37.88	406059500
9C5C00C25096034	08.07.2011 19:15:48	08.07.2011 19:17:28	36.41	08.07.2011 19:17:28	36.41	08.07.2011 19:20:46	36.27	406059500
9C5C00C25106034	08.07.2011 19:15:25	08.07.2011 19:15:27	37.3	08.07.2011 19:15:27	37.3	08.07.2011 19:16:17	38.14	406059500
9C5C00C25116034	08.07.2011 19:15:27	08.07.2011 19:15:28	37.66	08.07.2011 19:15:28	37.66	08.07.2011 19:16:20	36.29	406059500
9C5C00C25126034	08.07.2011 19:15:18	08.07.2011 19:15:20	37.23	08.07.2011 19:15:20	37.23	08.07.2011 19:23:40	37.59	406059500
9C5C00C25136034	08.07.2011 19:15:15	08.07.2011 19:19:26	36.91	08.07.2011 19:19:26	36.91	08.07.2011 19:22:47	37.75	406059500
9C5C00C25146034	08.07.2011 19:15:37	08.07.2011 19:15:39	36.42	08.07.2011 19:15:39	36.42	08.07.2011 19:16:28	35.97	406059500
9C5C00C25156034	08.07.2011 19:15:20	08.07.2011 19:17:02	36.87	08.07.2011 19:17:02	36.87	08.07.2011 19:17:51	37	406059500
9C5C00C25166034	08.07.2011 19:15:18	08.07.2011 19:16:57	36.6	08.07.2011 19:16:57	36.6	08.07.2011 19:19:32	38.37	406059500
9C5C00C25176034	08.07.2011 19:15:47	08.07.2011 19:15:48	36.03	08.07.2011 19:15:48	36.03	08.07.2011 19:16:40	36.23	406059500
9C5C00C25186034	08.07.2011 19:15:13	08.07.2011 19:17:44	35.77	08.07.2011 19:17:44	35.77	08.07.2011 19:18:34	36.99	406059500
9C5C00C25196034	08.07.2011 19:15:38	08.07.2011 19:15:39	37.12	08.07.2011 19:15:39	37.12	08.07.2011 19:29:03	36.85	406059500
9C5C00C25206034	08.07.2011 19:15:41	08.07.2011 19:15:42	37.42	08.07.2011 19:15:42	37.42	08.07.2011 19:19:51	37.28	406059500
9C5C00C25216034	08.07.2011 19:15:06	08.07.2011 19:15:07	37.03	08.07.2011 19:15:07	37.03	08.07.2011 19:17:38	36.33	406059500
9C5C00C25226034	08.07.2011 19:15:10	08.07.2011 19:17:39	37.47	08.07.2011 19:17:39	37.47	08.07.2011 19:18:27	36.97	406059500
9C5C00C25236034	08.07.2011 19:15:36	08.07.2011 19:28:12	38.45	08.07.2011 19:28:12	38.45	08.07.2011 19:29:00	36.73	406059500
9C5C00C25246034	08.07.2011 19:15:39	08.07.2011 19:15:41	36.61	08.07.2011 19:15:41	36.61	08.07.2011 19:16:32	37.09	406059500
9C5C00C25256034	08.07.2011 19:15:43	08.07.2011 19:15:45	36.53	08.07.2011 19:15:45	36.53	08.07.2011 19:16:36	37.61	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 25								
Script number 6376			Date/Time of First Burst in Test Script Run 7 08.07.2011 19:35:02					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C25017034	08.07.2011 19:35:23	08.07.2011 19:37:03	37.67	08.07.2011 19:37:03	37.67	08.07.2011 19:37:52	37.08	406059500
9C5C00C25027034	08.07.2011 19:35:15	08.07.2011 19:36:08	36.98	08.07.2011 19:36:08	36.98	08.07.2011 19:47:01	36.56	406059500
9C5C00C25037034	08.07.2011 19:35:49	08.07.2011 19:35:50	36.44	08.07.2011 19:35:50	36.44	08.07.2011 19:38:21	36.71	406059500
9C5C00C25047034	08.07.2011 19:35:38	08.07.2011 19:36:27	37.26	08.07.2011 19:36:27	37.26	08.07.2011 19:45:44	38.11	406059500
9C5C00C25057034	08.07.2011 19:35:34	08.07.2011 19:35:35	37.96	08.07.2011 19:35:35	37.96	08.07.2011 19:36:24	37.85	406059500
9C5C00C25067034	08.07.2011 19:35:02	08.07.2011 19:40:11	37.33	08.07.2011 19:40:11	37.33	08.07.2011 19:41:52	36.95	406059500
9C5C00C25077034	08.07.2011 19:35:37	08.07.2011 19:36:31	37.19	08.07.2011 19:36:31	37.19	08.07.2011 19:37:19	37.52	406059500
9C5C00C25087034	08.07.2011 19:35:35	08.07.2011 19:41:25	37.92	08.07.2011 19:41:25	37.92	08.07.2011 19:43:04	37.68	406059500
9C5C00C25097034	08.07.2011 19:35:16	08.07.2011 19:35:18	36.73	08.07.2011 19:35:18	36.73	08.07.2011 19:36:05	36.61	406059500
9C5C00C25107034	08.07.2011 19:35:45	08.07.2011 19:35:47	34.96	08.07.2011 19:35:47	34.96	08.07.2011 19:36:36	37	406059500
9C5C00C25117034	08.07.2011 19:35:01	08.07.2011 19:38:24	35.97	08.07.2011 19:38:24	35.97	08.07.2011 19:39:14	37.37	406059500
9C5C00C25127034	08.07.2011 19:35:27	08.07.2011 19:35:28	37.21	08.07.2011 19:35:28	37.21	08.07.2011 19:36:18	36.83	406059500
9C5C00C25137034	08.07.2011 19:35:03	08.07.2011 19:38:21	38.31	08.07.2011 19:38:21	38.31	08.07.2011 19:39:13	37.43	406059500
9C5C00C25147034	08.07.2011 19:35:08	08.07.2011 19:36:00	37.6	08.07.2011 19:36:00	37.6	08.07.2011 19:37:38	37.11	406059500
9C5C00C25157034	08.07.2011 19:35:01	08.07.2011 19:37:30	36.73	08.07.2011 19:37:30	36.73	08.07.2011 19:38:20	38.45	406059500
9C5C00C25167034	08.07.2011 19:35:21	08.07.2011 19:35:23	38.35	08.07.2011 19:35:23	38.35	08.07.2011 19:36:14	36.17	406059500
9C5C00C25177034	08.07.2011 19:35:50	08.07.2011 19:35:51	37.38	08.07.2011 19:35:51	37.38	08.07.2011 19:39:05	37.61	406059500
9C5C00C25187034	08.07.2011 19:35:43	08.07.2011 19:36:34	36.35	08.07.2011 19:36:34	36.35	08.07.2011 19:37:25	36.92	406059500
9C5C00C25197034	08.07.2011 19:35:35	08.07.2011 19:39:45	36.82	08.07.2011 19:39:45	36.82	08.07.2011 19:42:16	38.04	406059500
9C5C00C25207034	08.07.2011 19:35:15	08.07.2011 19:36:05	37.38	08.07.2011 19:36:05	37.38	08.07.2011 19:38:36	37.93	406059500
9C5C00C25217034	08.07.2011 19:35:41	08.07.2011 19:36:33	36.49	08.07.2011 19:36:33	36.49	08.07.2011 19:37:21	37.13	406059500
9C5C00C25227034	08.07.2011 19:35:09	08.07.2011 19:35:59	37	08.07.2011 19:35:59	37	08.07.2011 19:37:43	36.07	406059500
9C5C00C25237034	08.07.2011 19:35:29	08.07.2011 19:35:30	36.12	08.07.2011 19:35:30	36.12	08.07.2011 19:36:22	37.24	406059500
9C5C00C25247034	08.07.2011 19:35:23	08.07.2011 19:37:01	37.8	08.07.2011 19:37:01	37.8	08.07.2011 19:40:19	37.93	406059500
9C5C00C25257034	08.07.2011 19:35:17	08.07.2011 19:35:18	36.8	08.07.2011 19:35:18	36.8	08.07.2011 19:36:11	36.78	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 25								
Script number 6377			Date/Time of First Burst in Test Script Run 8 08.07.2011 19:55:02					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C25018034	08.07.2011 19:55:46	08.07.2011 19:55:47	36.61	08.07.2011 19:55:47	36.61	08.07.2011 19:56:37	36.45	406059500
9C5C00C25028034	08.07.2011 19:55:02	08.07.2011 19:55:52	35.82	08.07.2011 19:55:52	35.82	08.07.2011 19:56:41	37.65	406059500
9C5C00C25038034	08.07.2011 19:55:26	08.07.2011 19:55:28	37.21	08.07.2011 19:55:28	37.21	08.07.2011 19:56:16	36.87	406059500
9C5C00C25048034	08.07.2011 19:55:23	08.07.2011 19:55:24	35.99	08.07.2011 19:55:24	35.99	08.07.2011 19:59:32	35.85	406059500
9C5C00C25058034	08.07.2011 19:55:33	08.07.2011 19:58:53	35.14	08.07.2011 19:58:53	35.14	08.07.2011 20:02:14	36.13	406059500
9C5C00C25068034	08.07.2011 19:55:25	08.07.2011 19:55:26	38.08	08.07.2011 19:55:26	38.08	08.07.2011 19:56:14	36.42	406059500
9C5C00C25078034	08.07.2011 19:55:16	08.07.2011 19:55:17	36.73	08.07.2011 19:55:17	36.73	08.07.2011 19:58:35	37.04	406059500
9C5C00C25088034	08.07.2011 19:55:42	08.07.2011 19:58:10	36.42	08.07.2011 19:58:10	36.42	08.07.2011 20:04:57	36.05	406059500
9C5C00C25098034	08.07.2011 19:55:29	08.07.2011 19:56:20	37.45	08.07.2011 19:56:20	37.45	08.07.2011 19:57:11	34.42	406059500
9C5C00C25108034	08.07.2011 19:55:41	08.07.2011 19:56:30	36.63	08.07.2011 19:56:30	36.63	08.07.2011 19:57:21	35.6	406059500
9C5C00C25118034	08.07.2011 19:55:13	08.07.2011 19:57:44	36.46	08.07.2011 19:57:44	36.46	08.07.2011 19:58:32	36.97	406059500
9C5C00C25128034	08.07.2011 19:55:19	08.07.2011 19:55:21	36.68	08.07.2011 19:55:21	36.68	08.07.2011 20:07:53	34.2	406059500
9C5C00C25138034	08.07.2011 19:55:45	08.07.2011 19:55:46	36.99	08.07.2011 19:55:46	36.99	08.07.2011 19:56:39	35.96	406059500
9C5C00C25148034	08.07.2011 19:55:11	08.07.2011 19:55:13	36.26	08.07.2011 19:55:13	36.26	08.07.2011 19:56:01	34.71	406059500
9C5C00C25158034	08.07.2011 19:55:17	08.07.2011 19:55:19	35.85	08.07.2011 19:55:19	35.85	08.07.2011 19:57:50	36.51	406059500
9C5C00C25168034	08.07.2011 19:55:29	08.07.2011 19:58:56	36.8	08.07.2011 19:58:56	36.8	08.07.2011 20:02:19	35.95	406059500
9C5C00C25178034	08.07.2011 19:55:14	08.07.2011 19:57:50	34.97	08.07.2011 19:57:50	34.97	08.07.2011 19:58:38	35.73	406059500
9C5C00C25188034	08.07.2011 19:55:22	08.07.2011 19:55:23	37.72	08.07.2011 19:55:23	37.72	08.07.2011 19:59:35	36.41	406059500
9C5C00C25198034	08.07.2011 19:55:43	08.07.2011 19:55:45	37.28	08.07.2011 19:55:45	37.28	08.07.2011 19:57:25	36.73	406059500
9C5C00C25208034	08.07.2011 19:55:38	08.07.2011 19:55:40	37.57	08.07.2011 19:55:40	37.57	08.07.2011 19:56:31	35.93	406059500
9C5C00C25218034	08.07.2011 19:55:37	08.07.2011 19:55:38	37.78	08.07.2011 19:55:38	37.78	08.07.2011 19:56:28	37.03	406059500
9C5C00C25228034	08.07.2011 19:55:14	08.07.2011 20:00:19	36.94	08.07.2011 20:00:19	36.94	08.07.2011 20:01:07	36.96	406059500
9C5C00C25238034	08.07.2011 19:55:48	08.07.2011 19:56:38	36.03	08.07.2011 19:56:38	36.03	08.07.2011 19:57:26	36.62	406059500
9C5C00C25248034	08.07.2011 19:55:42	08.07.2011 19:57:23	36.51	08.07.2011 19:57:23	36.51	08.07.2011 19:58:15	36.44	406059500
9C5C00C25258034	08.07.2011 19:55:33	08.07.2011 19:57:11	34.63	08.07.2011 19:57:11	34.63	08.07.2011 19:57:59	36.65	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 25								
Script number 6378			Date/Time of First Burst in Test Script Run 9 08.07.2011 20:35:04					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT	Freq Transmitted (Hz)
9C5C00C25019034	08.07.2011 20:35:12	08.07.2011 20:37:44	36.09	08.07.2011 20:37:44	36.09	08.07.2011 20:44:24	37.1	406059500
9C5C00C25029034	08.07.2011 20:35:12	08.07.2011 20:36:04	37.21	08.07.2011 20:36:04	37.21	08.07.2011 20:37:45	36.25	406059500
9C5C00C25039034	08.07.2011 20:35:23	08.07.2011 20:35:25	37.17	08.07.2011 20:35:25	37.17	08.07.2011 20:36:17	35.91	406059500
9C5C00C25049034	08.07.2011 20:35:32	08.07.2011 20:47:16	37.46	08.07.2011 20:47:16	37.46	NULL	NULL	406059500
9C5C00C25059034	08.07.2011 20:35:13	08.07.2011 20:36:06	36.49	08.07.2011 20:36:06	36.49	08.07.2011 20:49:35	36.19	406059500
9C5C00C25069034	08.07.2011 20:35:45	08.07.2011 20:35:46	38.06	08.07.2011 20:35:46	38.06	08.07.2011 20:36:39	36.15	406059500
9C5C00C25079034	08.07.2011 20:35:37	08.07.2011 20:35:39	35.65	08.07.2011 20:35:39	35.65	08.07.2011 20:36:26	37.72	406059500
9C5C00C25089034	08.07.2011 20:35:18	08.07.2011 20:36:57	35.44	08.07.2011 20:36:57	35.44	08.07.2011 20:37:46	36.4	406059500
9C5C00C25099034	08.07.2011 20:35:38	08.07.2011 20:40:38	36.01	08.07.2011 20:40:38	36.01	08.07.2011 20:47:14	36.78	406059500
9C5C00C25109034	08.07.2011 20:35:38	08.07.2011 20:39:52	37.46	08.07.2011 20:39:52	37.46	08.07.2011 20:40:44	36.89	406059500
9C5C00C25119034	08.07.2011 20:35:15	08.07.2011 20:36:09	37.46	08.07.2011 20:36:09	37.46	08.07.2011 20:36:59	36.89	406059500
9C5C00C25129034	08.07.2011 20:35:20	08.07.2011 20:36:10	37.21	08.07.2011 20:36:10	37.21	08.07.2011 20:40:21	36.34	406059500
9C5C00C25139034	08.07.2011 20:35:28	08.07.2011 20:35:30	36.99	08.07.2011 20:35:30	36.99	08.07.2011 20:37:09	36.36	406059500
9C5C00C25149034	08.07.2011 20:35:36	08.07.2011 20:35:37	37.39	08.07.2011 20:35:37	37.39	08.07.2011 20:43:57	37.08	406059500
9C5C00C25159034	08.07.2011 20:35:30	08.07.2011 20:36:22	37.23	08.07.2011 20:36:22	37.23	08.07.2011 20:37:14	37.36	406059500
9C5C00C25169034	08.07.2011 20:35:17	08.07.2011 20:37:00	36.75	08.07.2011 20:37:00	36.75	08.07.2011 20:38:37	37.4	406059500
9C5C00C25179034	08.07.2011 20:35:30	08.07.2011 20:35:31	37.9	08.07.2011 20:35:31	37.9	08.07.2011 20:37:11	36.73	406059500
9C5C00C25189034	08.07.2011 20:35:14	08.07.2011 20:40:23	37.16	08.07.2011 20:40:23	37.16	08.07.2011 20:46:57	37.64	406059500
9C5C00C25199034	08.07.2011 20:35:04	08.07.2011 20:35:06	36.87	08.07.2011 20:35:06	36.87	08.07.2011 20:35:58	36.31	406059500
9C5C00C25209034	08.07.2011 20:35:26	08.07.2011 20:35:28	38.08	08.07.2011 20:35:28	38.08	08.07.2011 20:36:16	36.89	406059500
9C5C00C25219034	08.07.2011 20:35:18	08.07.2011 20:36:11	36.77	08.07.2011 20:36:11	36.77	08.07.2011 20:37:03	37.63	406059500
9C5C00C25229034	08.07.2011 20:35:14	08.07.2011 20:37:43	35.78	08.07.2011 20:37:43	35.78	08.07.2011 20:39:26	37.84	406059500
9C5C00C25239034	08.07.2011 20:35:20	08.07.2011 20:36:12	37.17	08.07.2011 20:36:12	37.17	08.07.2011 20:38:39	37.1	406059500
9C5C00C25249034	08.07.2011 20:35:44	08.07.2011 20:35:45	36.69	08.07.2011 20:35:45	36.69	08.07.2011 20:36:36	37.51	406059500
9C5C00C25259034	08.07.2011 20:35:32	08.07.2011 20:47:17	37.01	08.07.2011 20:47:17	37.01	NULL	NULL	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 25								
Script number 6379			Date/Time of First Burst in Test Script Run 10 08.07.2011 20:55:01					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C2501A034	08.07.2011 20:55:45	08.07.2011 20:57:27	36.73	08.07.2011 20:57:27	36.73	08.07.2011 21:04:02	37.56	406059500
9C5C00C2502A034	08.07.2011 20:55:44	08.07.2011 20:56:35	36.41	08.07.2011 20:56:35	36.41	08.07.2011 20:58:11	36.3	406059500
9C5C00C2503A034	08.07.2011 20:55:45	08.07.2011 21:00:01	36.08	08.07.2011 21:00:01	36.08	08.07.2011 21:01:42	37.26	406059500
9C5C00C2504A034	08.07.2011 20:55:42	08.07.2011 20:55:44	36.92	08.07.2011 20:55:44	36.92	08.07.2011 20:57:20	38.02	406059500
9C5C00C2505A034	08.07.2011 20:55:11	08.07.2011 20:55:13	36.95	08.07.2011 20:55:13	36.95	08.07.2011 20:56:02	38.27	406059500
9C5C00C2506A034	08.07.2011 20:55:43	08.07.2011 20:55:45	36.96	08.07.2011 20:55:45	36.96	08.07.2011 20:56:36	36.29	406059500
9C5C00C2507A034	08.07.2011 20:55:13	08.07.2011 20:56:08	36.5	08.07.2011 20:56:08	36.5	08.07.2011 20:59:26	37.7	406059500
9C5C00C2508A034	08.07.2011 20:55:02	08.07.2011 20:56:41	37.02	08.07.2011 20:56:41	37.02	08.07.2011 21:00:54	37	406059500
9C5C00C2509A034	08.07.2011 20:55:01	08.07.2011 20:55:03	36.95	08.07.2011 20:55:03	36.95	08.07.2011 20:55:51	35.67	406059500
9C5C00C2510A034	08.07.2011 20:55:36	08.07.2011 20:55:38	37.16	08.07.2011 20:55:38	37.16	08.07.2011 20:58:06	35.79	406059500
9C5C00C2511A034	08.07.2011 20:55:19	08.07.2011 20:56:08	37.5	08.07.2011 20:56:08	37.5	08.07.2011 20:57:48	36.75	406059500
9C5C00C2512A034	08.07.2011 20:55:01	08.07.2011 20:55:54	36.24	08.07.2011 20:55:54	36.24	08.07.2011 20:56:46	37.86	406059500
9C5C00C2513A034	08.07.2011 20:55:20	08.07.2011 20:55:22	36.67	08.07.2011 20:55:22	36.67	08.07.2011 20:56:12	36.75	406059500
9C5C00C2514A034	08.07.2011 20:55:38	08.07.2011 20:57:18	38.14	08.07.2011 20:57:18	38.14	08.07.2011 21:00:41	36.53	406059500
9C5C00C2515A034	08.07.2011 20:55:38	08.07.2011 20:56:30	36.85	08.07.2011 20:56:30	36.85	08.07.2011 20:58:56	37.25	406059500
9C5C00C2516A034	08.07.2011 20:55:24	08.07.2011 20:55:26	37.1	08.07.2011 20:55:26	37.1	08.07.2011 20:56:16	36.77	406059500
9C5C00C2517A034	08.07.2011 20:55:19	08.07.2011 20:56:11	36.43	08.07.2011 20:56:11	36.43	08.07.2011 20:59:36	36.83	406059500
9C5C00C2518A034	08.07.2011 20:55:46	08.07.2011 20:55:48	36.73	08.07.2011 20:55:48	36.73	08.07.2011 21:03:16	36.18	406059500
9C5C00C2519A034	08.07.2011 20:55:14	08.07.2011 20:56:06	36.49	08.07.2011 20:56:06	36.49	08.07.2011 20:57:44	37.6	406059500
9C5C00C2520A034	08.07.2011 20:55:09	08.07.2011 20:55:11	38.19	08.07.2011 20:55:11	38.19	08.07.2011 20:56:00	38.23	406059500
9C5C00C2521A034	08.07.2011 20:55:40	08.07.2011 20:55:42	36.77	08.07.2011 20:55:42	36.77	08.07.2011 20:57:20	37.75	406059500
9C5C00C2522A034	08.07.2011 20:55:21	08.07.2011 20:55:23	36.51	08.07.2011 20:55:23	36.51	08.07.2011 20:56:14	36.77	406059500
9C5C00C2523A034	08.07.2011 20:55:41	08.07.2011 20:55:43	35.92	08.07.2011 20:55:43	35.92	08.07.2011 20:57:24	36.73	406059500
9C5C00C2524A034	08.07.2011 20:55:38	08.07.2011 21:03:10	36.93	08.07.2011 21:03:10	36.93	08.07.2011 21:04:52	36.74	406059500
9C5C00C2525A034	08.07.2011 20:55:37	08.07.2011 20:55:39	37.15	08.07.2011 20:55:39	37.15	08.07.2011 20:57:16	37.25	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 30								
Script number 6380			Date/Time of First Burst in Test Script Run 1 08.07.2011 21:15:00					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C30011034	08.07.2011 21:15:45	08.07.2011 21:15:47	36.84	08.07.2011 21:15:47	36.84	08.07.2011 21:17:25	36.63	406059500
9C5C00C30021034	08.07.2011 21:15:12	08.07.2011 21:16:03	36.77	08.07.2011 21:16:03	36.77	08.07.2011 21:17:42	37.18	406059500
9C5C00C30031034	08.07.2011 21:15:44	08.07.2011 21:15:46	37.3	08.07.2011 21:15:46	37.3	08.07.2011 21:18:15	37.38	406059500
9C5C00C30041034	08.07.2011 21:15:19	08.07.2011 21:15:20	37.03	08.07.2011 21:15:20	37.03	08.07.2011 21:16:10	36.56	406059500
9C5C00C30051034	08.07.2011 21:15:15	08.07.2011 21:20:15	37.5	08.07.2011 21:20:15	37.5	08.07.2011 21:23:32	38.51	406059500
9C5C00C30061034	08.07.2011 21:15:13	08.07.2011 21:15:15	36.96	08.07.2011 21:15:15	36.96	Not produced		406059500
9C5C00C30071034	08.07.2011 21:15:18	08.07.2011 21:15:20	37.79	08.07.2011 21:15:20	37.79	08.07.2011 21:16:08	37.7	406059500
9C5C00C30081034	08.07.2011 21:15:29	08.07.2011 21:15:31	37.59	08.07.2011 21:15:31	37.59	08.07.2011 21:16:19	37.68	406059500
9C5C00C30091034	08.07.2011 21:15:00	08.07.2011 21:15:02	36.27	08.07.2011 21:15:02	36.27	08.07.2011 21:15:50	37	406059500
9C5C00C30101034	08.07.2011 21:15:48	08.07.2011 21:20:22	36.29	08.07.2011 21:20:22	36.29	Not produced		406059500
9C5C00C30111034	08.07.2011 21:15:20	08.07.2011 21:15:25	36.64	08.07.2011 21:15:25	36.64	08.07.2011 21:16:15	36.79	406059500
9C5C00C30121034	08.07.2011 21:15:23	08.07.2011 21:20:50	37.82	08.07.2011 21:20:50	37.82	08.07.2011 21:22:31	37.78	406059500
9C5C00C30131034	08.07.2011 21:15:47	08.07.2011 21:16:48	36.45	08.07.2011 21:16:48	36.45	08.07.2011 21:17:35	37.36	406059500
9C5C00C30141034	08.07.2011 21:15:07	08.07.2011 21:15:28	37.24	08.07.2011 21:15:28	37.24	08.07.2011 21:16:17	36.97	406059500
9C5C00C30151034	08.07.2011 21:15:26	08.07.2011 21:15:34	36.83	08.07.2011 21:15:34	36.83	08.07.2011 21:16:26	36.15	406059500
9C5C00C30161034	08.07.2011 21:15:32	08.07.2011 21:15:47	37.27	08.07.2011 21:15:47	37.27	08.07.2011 21:17:30	36.65	406059500
9C5C00C30171034	08.07.2011 21:15:46	08.07.2011 21:22:32	37.42	08.07.2011 21:22:32	37.42	08.07.2011 21:26:41	36.89	406059500
9C5C00C30181034	08.07.2011 21:15:47	08.07.2011 21:16:07	36.52	08.07.2011 21:16:07	36.52	08.07.2011 21:24:29	36.95	406059500
9C5C00C30191034	08.07.2011 21:15:15	08.07.2011 21:18:22	37.27	08.07.2011 21:18:22	37.27	08.07.2011 21:19:13	37.9	406059500
9C5C00C30201034	08.07.2011 21:15:01	08.07.2011 21:15:51	37.13	08.07.2011 21:15:51	37.13	08.07.2011 21:20:00	37.9	406059500
9C5C00C30211034	08.07.2011 21:15:20	08.07.2011 21:17:04	36.74	08.07.2011 21:17:04	36.74	08.07.2011 21:17:53	37.4	406059500
9C5C00C30221034	08.07.2011 21:15:03	08.07.2011 21:17:36	36.72	08.07.2011 21:17:36	36.72	08.07.2011 21:18:27	36.08	406059500
9C5C00C30231034	08.07.2011 21:15:31	08.07.2011 21:15:33	37.4	08.07.2011 21:15:33	37.4	08.07.2011 21:16:22	37.18	406059500
9C5C00C30241034	08.07.2011 21:15:41	08.07.2011 21:15:42	37.56	08.07.2011 21:15:42	37.56	08.07.2011 21:18:12	38.25	406059500
9C5C00C30251034	08.07.2011 21:15:12	08.07.2011 21:16:02	36.88	08.07.2011 21:16:02	36.88	08.07.2011 21:17:43	36.85	406059500
9C5C00C30261034	08.07.2011 21:15:47	08.07.2011 21:15:48	38.02	08.07.2011 21:15:48	38.02	08.07.2011 21:20:47	36.49	406059500
9C5C00C30271034	08.07.2011 21:15:05	08.07.2011 21:17:38	36.98	08.07.2011 21:17:38	36.98	08.07.2011 21:18:29	36.01	406059500
9C5C00C30281034	08.07.2011 21:15:17	08.07.2011 21:15:18	37.42	08.07.2011 21:15:18	37.42	08.07.2011 21:16:09	36.71	406059500
9C5C00C30291034	08.07.2011 21:15:05	08.07.2011 21:17:32	37.33	08.07.2011 21:17:32	37.33	08.07.2011 21:18:23	35.88	406059500
9C5C00C30301034	08.07.2011 21:15:15	08.07.2011 21:16:06	36.69	08.07.2011 21:16:06	36.69	08.07.2011 21:20:18	37.46	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 30								
Script number 6381			Date/Time of First Burst in Test Script Run 2 08.07.2011 21:35:01					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C30012034	08.07.2011 21:35:19	08.07.2011 21:35:22	36.34	08.07.2011 21:35:22	36.34	08.07.2011 21:37:01	36.13	406059500
9C5C00C30022034	08.07.2011 21:35:05	08.07.2011 21:35:07	36.75	08.07.2011 21:35:07	36.75	08.07.2011 21:35:56	36.21	406059500
9C5C00C30032034	08.07.2011 21:35:01	08.07.2011 21:40:59	36.41	08.07.2011 21:40:59	36.41	08.07.2011 21:42:40	37.55	406059500
9C5C00C30042034	08.07.2011 21:35:25	08.07.2011 21:36:15	37.91	08.07.2011 21:36:15	37.91	08.07.2011 21:38:41	36.54	406059500
9C5C00C30052034	08.07.2011 21:35:01	08.07.2011 21:37:37	36.97	08.07.2011 21:37:37	36.97	08.07.2011 21:42:35	36.43	406059500
9C5C00C30062034	08.07.2011 21:35:25	08.07.2011 21:36:16	37.69	08.07.2011 21:36:16	37.69	08.07.2011 21:37:08	36.18	406059500
9C5C00C30072034	08.07.2011 21:35:04	08.07.2011 21:35:58	35.31	08.07.2011 21:35:58	35.31	08.07.2011 21:48:34	37.79	406059500
9C5C00C30082034	08.07.2011 21:35:39	08.07.2011 21:40:44	38	08.07.2011 21:40:44	38	08.07.2011 21:47:23	36.13	406059500
9C5C00C30092034	08.07.2011 21:35:04	08.07.2011 21:43:25	37.3	08.07.2011 21:43:25	37.3	08.07.2011 21:46:46	38.31	406059500
9C5C00C30102034	08.07.2011 21:35:43	08.07.2011 21:35:46	37.71	08.07.2011 21:35:46	37.71	08.07.2011 21:36:37	35.66	406059500
9C5C00C30112034	08.07.2011 21:35:35	08.07.2011 21:36:27	36.39	08.07.2011 21:36:27	36.39	08.07.2011 21:44:49	38.17	406059500
9C5C00C30122034	08.07.2011 21:35:06	08.07.2011 21:35:08	37.71	08.07.2011 21:35:08	37.71	08.07.2011 21:39:23	35.97	406059500
9C5C00C30132034	08.07.2011 21:35:42	08.07.2011 21:35:44	36.72	08.07.2011 21:35:44	36.72	08.07.2011 21:36:36	36.67	406059500
9C5C00C30142034	08.07.2011 21:35:32	08.07.2011 21:36:23	37.53	08.07.2011 21:36:23	37.53	08.07.2011 21:37:13	36.29	406059500
9C5C00C30152034	08.07.2011 21:35:29	08.07.2011 21:35:31	36.98	08.07.2011 21:35:31	36.98	08.07.2011 21:36:21	36.01	406059500
9C5C00C30162034	08.07.2011 21:35:08	08.07.2011 21:35:59	36.44	08.07.2011 21:35:59	36.44	08.07.2011 21:38:32	37.12	406059500
9C5C00C30172034	08.07.2011 21:35:41	08.07.2011 21:35:43	37.28	08.07.2011 21:35:43	37.28	08.07.2011 21:37:26	36.04	406059500
9C5C00C30182034	08.07.2011 21:35:26	08.07.2011 21:37:06	37.05	08.07.2011 21:37:06	37.05	08.07.2011 21:44:38	37.81	406059500
9C5C00C30192034	08.07.2011 21:35:32	08.07.2011 21:35:37	36.8	08.07.2011 21:35:37	36.8	08.07.2011 21:36:25	37.13	406059500
9C5C00C30202034	08.07.2011 21:35:03	08.07.2011 21:35:05	36.63	08.07.2011 21:35:05	36.63	Not produced		406059500
9C5C00C30212034	08.07.2011 21:35:13	08.07.2011 21:35:15	38.27	08.07.2011 21:35:15	38.27	08.07.2011 21:36:14	36.28	406059500
9C5C00C30222034	08.07.2011 21:35:09	08.07.2011 21:38:36	35.81	08.07.2011 21:38:36	35.81	08.07.2011 21:39:27	37.37	406059500
9C5C00C30232034	08.07.2011 21:35:01	08.07.2011 21:35:51	38.08	08.07.2011 21:35:51	38.08	08.07.2011 21:36:40	36.81	406059500
9C5C00C30242034	08.07.2011 21:35:04	08.07.2011 21:35:57	36.24	08.07.2011 21:35:57	36.24	08.07.2011 21:39:21	35.46	406059500
9C5C00C30252034	08.07.2011 21:35:39	08.07.2011 21:36:30	35.71	08.07.2011 21:36:30	35.71	08.07.2011 21:37:20	37.48	406059500
9C5C00C30262034	08.07.2011 21:35:01	08.07.2011 21:35:53	35.91	08.07.2011 21:35:53	35.91	08.07.2011 21:36:41	36.77	406059500
9C5C00C30272034	08.07.2011 21:35:26	08.07.2011 21:36:19	37.41	08.07.2011 21:36:19	37.41	08.07.2011 21:37:07	36.83	406059500
9C5C00C30282034	08.07.2011 21:35:39	08.07.2011 21:37:21	36.06	08.07.2011 21:37:21	36.06	08.07.2011 21:39:53	35.58	406059500
9C5C00C30292034	08.07.2011 21:35:18	08.07.2011 21:35:20	37.81	08.07.2011 21:35:20	37.81	08.07.2011 21:37:02	36.27	406059500
9C5C00C30302034	08.07.2011 21:35:21	08.07.2011 21:35:24	35.15	08.07.2011 21:35:24	35.15	08.07.2011 21:44:37	36.92	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 30								
Script number 6382			Date/Time of First Burst in Test Script Run 3 08.07.2011 22:15:06					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C30013034	08.07.2011 22:15:42	08.07.2011 22:19:57	36.03	08.07.2011 22:19:57	36.03	08.07.2011 22:20:48	36.53	406059500
9C5C00C30023034	08.07.2011 22:15:07	08.07.2011 22:16:47	36.82	08.07.2011 22:16:47	36.82	08.07.2011 22:20:11	36.59	406059500
9C5C00C30033034	08.07.2011 22:15:24	08.07.2011 22:15:26	37.85	08.07.2011 22:15:26	37.85	08.07.2011 22:17:05	36.5	406059500
9C5C00C30043034	08.07.2011 22:15:15	08.07.2011 22:16:55	36.3	08.07.2011 22:16:55	36.3	08.07.2011 22:19:27	36.78	406059500
9C5C00C30053034	08.07.2011 22:15:48	08.07.2011 22:16:38	36.77	08.07.2011 22:16:38	36.77	08.07.2011 22:20:42	37.06	406059500
9C5C00C30063034	08.07.2011 22:15:27	08.07.2011 22:15:29	36.05	08.07.2011 22:15:29	36.05	08.07.2011 22:16:19	38.96	406059500
9C5C00C30073034	08.07.2011 22:15:15	08.07.2011 22:16:58	36.16	08.07.2011 22:16:58	36.16	08.07.2011 22:19:30	37.37	406059500
9C5C00C30083034	08.07.2011 22:15:43	08.07.2011 22:19:52	38.13	08.07.2011 22:19:52	38.13	08.07.2011 22:20:44	36.03	406059500
9C5C00C30093034	08.07.2011 22:15:15	08.07.2011 22:16:59	36.5	08.07.2011 22:16:59	36.5	08.07.2011 22:17:51	37.45	406059500
9C5C00C30103034	08.07.2011 22:15:30	08.07.2011 22:16:21	36.47	08.07.2011 22:16:21	36.47	08.07.2011 22:17:12	37.74	406059500
9C5C00C30113034	08.07.2011 22:15:02	08.07.2011 22:15:04	37.04	08.07.2011 22:15:04	37.04	08.07.2011 22:16:43	37.33	406059500
9C5C00C30123034	08.07.2011 22:15:07	08.07.2011 22:17:37	38.18	08.07.2011 22:17:37	38.18	08.07.2011 22:20:10	36.92	406059500
9C5C00C30133034	08.07.2011 22:15:14	08.07.2011 22:17:45	36.45	08.07.2011 22:17:45	36.45	08.07.2011 22:19:25	35.67	406059500
9C5C00C30143034	08.07.2011 22:15:25	08.07.2011 22:15:27	37.36	08.07.2011 22:15:27	37.36	08.07.2011 22:17:09	36.66	406059500
9C5C00C30153034	08.07.2011 22:15:11	08.07.2011 22:15:13	35.55	08.07.2011 22:15:13	35.55	08.07.2011 22:16:04	36.55	406059500
9C5C00C30163034	08.07.2011 22:15:16	08.07.2011 22:20:16	37.63	08.07.2011 22:20:16	37.63	08.07.2011 22:23:37	36.91	406059500
9C5C00C30173034	08.07.2011 22:15:45	08.07.2011 22:21:35	37.45	08.07.2011 22:21:35	37.45	08.07.2011 22:23:13	37.29	406059500
9C5C00C30183034	08.07.2011 22:15:19	08.07.2011 22:15:22	37.63	08.07.2011 22:15:22	37.63	08.07.2011 22:17:03	35.81	406059500
9C5C00C30193034	08.07.2011 22:15:18	08.07.2011 22:15:20	36.48	08.07.2011 22:15:20	36.48	08.07.2011 22:17:01	36.65	406059500
9C5C00C30203034	08.07.2011 22:15:30	08.07.2011 22:16:24	36.49	08.07.2011 22:16:24	36.49	08.07.2011 22:18:55	36.95	406059500
9C5C00C30213034	08.07.2011 22:15:06	08.07.2011 22:19:17	37.46	08.07.2011 22:19:17	37.46	08.07.2011 22:20:55	37.58	406059500
9C5C00C30223034	08.07.2011 22:15:43	08.07.2011 22:24:10	34.53	08.07.2011 22:24:10	34.53	08.07.2011 22:27:32	37.45	406059500
9C5C00C30233034	08.07.2011 22:15:42	08.07.2011 22:18:13	36.67	08.07.2011 22:18:13	36.67	08.07.2011 22:25:00	37.23	406059500
9C5C00C30243034	08.07.2011 22:15:37	08.07.2011 22:15:39	37.18	08.07.2011 22:15:39	37.18	08.07.2011 22:16:32	37.49	406059500
9C5C00C30253034	08.07.2011 22:15:08	08.07.2011 22:16:45	37.47	08.07.2011 22:16:45	37.47	08.07.2011 22:17:35	36.76	406059500
9C5C00C30263034	08.07.2011 22:15:26	08.07.2011 22:15:28	36.62	08.07.2011 22:15:28	36.62	08.07.2011 22:16:20	36.33	406059500
9C5C00C30273034	08.07.2011 22:15:44	08.07.2011 22:21:36	37.32	08.07.2011 22:21:36	37.32	08.07.2011 22:23:14	36.54	406059500
9C5C00C30283034	08.07.2011 22:15:44	08.07.2011 22:20:02	36.88	08.07.2011 22:20:02	36.88	08.07.2011 22:20:53	37.38	406059500
9C5C00C30293034	08.07.2011 22:15:13	08.07.2011 22:21:15	35.88	08.07.2011 22:21:15	35.88	08.07.2011 22:22:53	35.77	406059500
9C5C00C30303034	08.07.2011 22:15:45	08.07.2011 22:22:25	37.43	08.07.2011 22:22:25	37.43	08.07.2011 22:23:18	36.98	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 30								
Script number 6383			Date/Time of First Burst in Test Script Run 4 08.07.2011 22:35:03					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C30014034	08.07.2011 22:35:40	08.07.2011 22:38:11	36.13	08.07.2011 22:38:11	36.13	08.07.2011 22:44:00	35.94	406059500
9C5C00C30024034	08.07.2011 22:35:47	08.07.2011 22:35:49	36.06	08.07.2011 22:35:49	36.06	08.07.2011 22:36:38	36.88	406059500
9C5C00C30034034	08.07.2011 22:35:42	08.07.2011 22:35:44	36.81	08.07.2011 22:35:44	36.81	08.07.2011 22:36:36	37.23	406059500
9C5C00C30044034	08.07.2011 22:35:30	08.07.2011 22:36:25	36.47	08.07.2011 22:36:25	36.47	08.07.2011 22:37:13	38.12	406059500
9C5C00C30054034	08.07.2011 22:35:24	08.07.2011 22:36:14	36.63	08.07.2011 22:36:14	36.63	Not produced		406059500
9C5C00C30064034	08.07.2011 22:35:17	08.07.2011 22:35:19	37.61	08.07.2011 22:35:19	37.61	Not produced		406059500
9C5C00C30074034	08.07.2011 22:35:26	08.07.2011 22:36:19	36.53	08.07.2011 22:36:19	36.53	08.07.2011 22:43:44	37.22	406059500
9C5C00C30084034	08.07.2011 22:35:03	08.07.2011 22:35:54	37.65	08.07.2011 22:35:54	37.65	08.07.2011 22:36:45	37.46	406059500
9C5C00C30094034	08.07.2011 22:35:43	08.07.2011 22:35:45	35.94	08.07.2011 22:35:45	35.94	08.07.2011 22:36:34	37	406059500
9C5C00C30104034	08.07.2011 22:35:10	08.07.2011 22:35:12	36.83	08.07.2011 22:35:12	36.83	08.07.2011 22:38:27	36.77	406059500
9C5C00C30114034	08.07.2011 22:35:08	08.07.2011 22:35:10	36.18	08.07.2011 22:35:10	36.18	08.07.2011 22:44:16	36.91	406059500
9C5C00C30124034	08.07.2011 22:35:40	08.07.2011 22:37:23	37.49	08.07.2011 22:37:23	37.49	08.07.2011 22:39:01	37.32	406059500
9C5C00C30134034	08.07.2011 22:35:06	08.07.2011 22:35:08	36.58	08.07.2011 22:35:08	36.58	08.07.2011 22:36:48	37.87	406059500
9C5C00C30144034	08.07.2011 22:35:15	08.07.2011 22:35:18	37.09	08.07.2011 22:35:18	37.09	08.07.2011 22:36:59	37.97	406059500
9C5C00C30154034	08.07.2011 22:35:21	08.07.2011 22:36:11	36.7	08.07.2011 22:36:11	36.7	08.07.2011 22:45:17	36.71	406059500
9C5C00C30164034	08.07.2011 22:35:24	08.07.2011 22:45:31	37.53	08.07.2011 22:45:31	37.53	Not produced		406059500
9C5C00C30174034	08.07.2011 22:35:39	08.07.2011 22:35:41	37.14	08.07.2011 22:35:41	37.14	08.07.2011 22:38:09	36.54	406059500
9C5C00C30184034	08.07.2011 22:35:21	08.07.2011 22:37:06	36.61	08.07.2011 22:37:06	36.61	08.07.2011 22:45:30	36.92	406059500
9C5C00C30194034	08.07.2011 22:35:05	08.07.2011 22:35:07	36.22	08.07.2011 22:35:07	36.22	08.07.2011 22:36:51	36.73	406059500
9C5C00C30204034	08.07.2011 22:35:36	08.07.2011 22:35:38	36.44	08.07.2011 22:35:38	36.44	08.07.2011 22:36:27	36.5	406059500
9C5C00C30214034	08.07.2011 22:35:32	08.07.2011 22:36:22	35.07	08.07.2011 22:36:22	35.07	08.07.2011 22:37:12	34.62	406059500
9C5C00C30224034	08.07.2011 22:35:23	08.07.2011 22:36:12	37.47	08.07.2011 22:36:12	37.47	08.07.2011 22:44:33	37.16	406059500
9C5C00C30234034	08.07.2011 22:35:25	08.07.2011 22:35:27	36.22	08.07.2011 22:35:27	36.22	08.07.2011 22:37:08	37.14	406059500
9C5C00C30244034	08.07.2011 22:35:13	08.07.2011 22:35:15	37.2	08.07.2011 22:35:15	37.2	08.07.2011 22:36:54	36.99	406059500
9C5C00C30254034	08.07.2011 22:35:49	08.07.2011 22:35:51	36.82	08.07.2011 22:35:51	36.82	08.07.2011 22:36:39	37.16	406059500
9C5C00C30264034	08.07.2011 22:35:41	08.07.2011 22:35:43	37.33	08.07.2011 22:35:43	37.33	08.07.2011 22:37:19	36.42	406059500
9C5C00C30274034	08.07.2011 22:35:22	08.07.2011 22:45:34	37.58	08.07.2011 22:45:34	37.58	08.07.2011 22:48:03	36.93	406059500
9C5C00C30284034	08.07.2011 22:35:26	08.07.2011 22:36:21	35.99	08.07.2011 22:36:21	35.99	08.07.2011 22:37:09	36.99	406059500
9C5C00C30294034	08.07.2011 22:35:03	08.07.2011 22:36:48	36.02	08.07.2011 22:36:48	36.02	08.07.2011 22:39:21	36.36	406059500
9C5C00C30304034	08.07.2011 22:35:05	08.07.2011 22:35:07	36.36	08.07.2011 22:35:07	36.36	08.07.2011 22:36:46	37.08	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 30								
Script number 6384			Date/Time of First Burst in Test Script Run 5 08.07.2011 22:55:01					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C30005034	08.07.2011 22:55:19	08.07.2011 23:00:04	1.62	08.07.2011 23:00:04	1.62	Not produced		406059500
9C5C00C30015034	08.07.2011 22:55:15	08.07.2011 22:58:44	36.87	08.07.2011 22:58:44	36.87	08.07.2011 22:59:34	36.92	406059500
9C5C00C30025034	08.07.2011 22:55:09	08.07.2011 22:57:00	37.2	08.07.2011 22:57:00	37.2	Not produced		406059500
9C5C00C30035034	08.07.2011 22:55:01	08.07.2011 22:56:00	36.2	08.07.2011 22:56:00	36.2	08.07.2011 22:56:51	38.24	406059500
9C5C00C30045034	08.07.2011 22:55:40	08.07.2011 22:55:54	37.6	08.07.2011 22:55:54	37.6	08.07.2011 22:56:45	35.32	406059500
9C5C00C30055034	08.07.2011 22:55:24	08.07.2011 22:55:42	37.3	08.07.2011 22:55:42	37.3	08.07.2011 22:56:33	36.23	406059500
9C5C00C30065034	08.07.2011 22:55:24	08.07.2011 22:57:07	36.26	08.07.2011 22:57:07	36.26	08.07.2011 22:59:37	36.32	406059500
9C5C00C30075034	08.07.2011 22:55:44	08.07.2011 22:58:43	36.68	08.07.2011 22:58:43	36.68	08.07.2011 22:59:35	36.03	406059500
9C5C00C30085034	08.07.2011 22:55:10	08.07.2011 22:57:26	37.45	08.07.2011 22:57:26	37.45	08.07.2011 22:58:17	37	406059500
9C5C00C30095034	08.07.2011 22:55:25	08.07.2011 22:56:05	35.37	08.07.2011 22:56:05	35.37	08.07.2011 22:56:57	36.41	406059500
9C5C00C30105034	08.07.2011 22:55:00	08.07.2011 22:59:39	36.42	08.07.2011 22:59:39	36.42	08.07.2011 23:03:46	37.76	406059500
9C5C00C30115034	08.07.2011 22:55:42	08.07.2011 22:55:52	37.76	08.07.2011 22:55:52	37.76	08.07.2011 22:56:42	36.35	406059500
9C5C00C30125034	08.07.2011 22:55:01	08.07.2011 22:57:20	35.9	08.07.2011 22:57:20	35.9	08.07.2011 22:59:55	36.73	406059500
9C5C00C30135034	08.07.2011 22:55:19	08.07.2011 22:55:50	36.41	08.07.2011 22:55:50	36.41	08.07.2011 22:57:29	36.55	406059500
9C5C00C30145034	08.07.2011 22:55:36	08.07.2011 22:57:03	36.54	08.07.2011 22:57:03	36.54	08.07.2011 23:03:34	36.15	406059500
9C5C00C30155034	08.07.2011 22:55:41	08.07.2011 22:55:38	35.96	08.07.2011 22:55:38	35.96	08.07.2011 22:56:28	36.11	406059500
9C5C00C30165034	08.07.2011 22:55:45	08.07.2011 22:59:47	36.72	08.07.2011 22:59:47	36.72	08.07.2011 23:02:17	38.53	406059500
9C5C00C30175034	08.07.2011 22:55:20	08.07.2011 22:57:31	36.56	08.07.2011 22:57:31	36.56	08.07.2011 22:58:19	37.88	406059500
9C5C00C30185034	08.07.2011 22:55:45	08.07.2011 22:58:37	36.51	08.07.2011 22:58:37	36.51	08.07.2011 23:00:17	32.13	406059500
9C5C00C30195034	08.07.2011 22:55:41	08.07.2011 22:58:15	37.11	08.07.2011 22:58:15	37.11	08.07.2011 23:09:03	36.14	406059500
9C5C00C30205034	08.07.2011 22:55:25	08.07.2011 22:58:13	38.34	08.07.2011 22:58:13	38.34	08.07.2011 23:07:23	36.85	406059500
9C5C00C30215034	08.07.2011 22:55:47	08.07.2011 22:57:57	33.2	08.07.2011 22:57:57	33.2	08.07.2011 23:04:38	36.63	406059500
9C5C00C30225034	08.07.2011 22:55:24	08.07.2011 22:55:48	37.02	08.07.2011 22:55:48	37.02	08.07.2011 22:57:30	36.45	406059500
9C5C00C30235034	08.07.2011 22:55:42	08.07.2011 22:59:36	35.8	08.07.2011 22:59:36	35.8	Not produced		406059500
9C5C00C30245034	08.07.2011 22:55:20	08.07.2011 22:55:44	37.37	08.07.2011 22:55:44	37.37	08.07.2011 23:08:10	37.34	406059500
9C5C00C30255034	08.07.2011 22:55:30	08.07.2011 22:57:58	36.33	08.07.2011 22:57:58	36.33	08.07.2011 23:00:29	36.07	406059500
9C5C00C30265034	08.07.2011 22:55:31	08.07.2011 22:55:32	36.17	08.07.2011 22:55:32	36.17	08.07.2011 22:56:22	36.67	406059500
9C5C00C30275034	08.07.2011 22:55:09	08.07.2011 22:55:33	36.49	08.07.2011 22:55:33	36.49	08.07.2011 22:57:59	36.59	406059500
9C5C00C30285034	08.07.2011 22:55:14	08.07.2011 22:56:03	37.94	08.07.2011 22:56:03	37.94	08.07.2011 22:56:54	35.64	406059500
9C5C00C30295034	08.07.2011 22:55:34	08.07.2011 22:56:58	36.18	08.07.2011 22:56:58	36.18	08.07.2011 23:01:11	36.51	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 30								
Script number 6385			Date/Time of First Burst in Test Script Run 6 08.07.2011 23:55:07					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C30016034	08.07.2011 23:55:49	08.07.2011 23:56:40	37.01	08.07.2011 23:56:40	37.01	08.07.2011 23:57:29	36.49	406059500
9C5C00C30026034	08.07.2011 23:55:11	08.07.2011 23:57:46	37.58	08.07.2011 23:57:46	37.58	09.07.2011 00:02:00	36.49	406059500
9C5C00C30036034	08.07.2011 23:55:49	08.07.2011 23:56:43	37.5	08.07.2011 23:56:43	37.5	08.07.2011 23:57:32	36.46	406059500
9C5C00C30046034	08.07.2011 23:55:34	08.07.2011 23:58:10	36.53	08.07.2011 23:58:10	36.53	08.07.2011 23:58:59	37.59	406059500
9C5C00C30056034	08.07.2011 23:55:19	08.07.2011 23:57:53	37.22	08.07.2011 23:57:53	37.22	09.07.2011 00:01:16	36.7	406059500
9C5C00C30066034	08.07.2011 23:55:42	08.07.2011 23:55:44	37.43	08.07.2011 23:55:44	37.43	08.07.2011 23:56:34	36.79	406059500
9C5C00C30076034	08.07.2011 23:55:46	08.07.2011 23:55:48	37.07	08.07.2011 23:55:48	37.07	08.07.2011 23:56:38	37.35	406059500
9C5C00C30086034	08.07.2011 23:55:33	09.07.2011 00:01:19	36.38	09.07.2011 00:01:19	36.38	09.07.2011 00:02:58	35.7	406059500
9C5C00C30096034	08.07.2011 23:55:12	08.07.2011 23:59:26	37.31	08.07.2011 23:59:26	37.31	09.07.2011 00:04:23	36.64	406059500
9C5C00C30106034	08.07.2011 23:55:00	08.07.2011 23:55:02	37.44	08.07.2011 23:55:02	37.44	08.07.2011 23:58:27	37.43	406059500
9C5C00C30116034	08.07.2011 23:55:22	08.07.2011 23:55:24	36.4	08.07.2011 23:55:24	36.4	08.07.2011 23:58:42	38.56	406059500
9C5C00C30126034	08.07.2011 23:55:20	08.07.2011 23:55:22	36.58	08.07.2011 23:55:22	36.58	09.07.2011 00:02:51	37.55	406059500
9C5C00C30136034	08.07.2011 23:55:23	08.07.2011 23:55:25	37.6	08.07.2011 23:55:25	37.6	08.07.2011 23:58:00	37.41	406059500
9C5C00C30146034	08.07.2011 23:55:19	08.07.2011 23:56:13	37.02	08.07.2011 23:56:13	37.02	08.07.2011 23:58:47	36.26	406059500
9C5C00C30156034	08.07.2011 23:55:27	08.07.2011 23:55:29	37.3	08.07.2011 23:55:29	37.3	08.07.2011 23:57:59	37.99	406059500
9C5C00C30166034	08.07.2011 23:55:32	08.07.2011 23:55:34	35.25	08.07.2011 23:55:34	35.25	08.07.2011 23:57:11	35.92	406059500
9C5C00C30176034	08.07.2011 23:55:16	08.07.2011 23:55:18	37.91	08.07.2011 23:55:18	37.91	08.07.2011 23:58:39	37.64	406059500
9C5C00C30186034	08.07.2011 23:55:18	08.07.2011 23:57:48	37.65	08.07.2011 23:58:38	37.61	09.07.2011 00:04:24	36.25	406059500
9C5C00C30196034	08.07.2011 23:55:07	08.07.2011 23:55:09	36.99	08.07.2011 23:55:09	36.99	08.07.2011 23:58:34	35.53	406059500
9C5C00C30206034	08.07.2011 23:55:24	08.07.2011 23:55:26	36.87	08.07.2011 23:55:26	36.87	08.07.2011 23:58:46	36.97	406059500
9C5C00C30216034	08.07.2011 23:55:01	08.07.2011 23:55:03	36.65	08.07.2011 23:55:03	36.65	08.07.2011 23:59:14	36.72	406059500
9C5C00C30226034	08.07.2011 23:55:34	08.07.2011 23:58:06	36.53	08.07.2011 23:58:06	36.53	08.07.2011 23:58:56	37.27	406059500
9C5C00C30236034	08.07.2011 23:55:05	08.07.2011 23:55:07	36.15	08.07.2011 23:55:07	36.15	08.07.2011 23:57:38	37.19	406059500
9C5C00C30246034	08.07.2011 23:55:11	08.07.2011 23:58:32	37.61	08.07.2011 23:58:32	37.61	09.07.2011 00:05:58	36.52	406059500
9C5C00C30256034	08.07.2011 23:55:18	08.07.2011 23:56:12	37.84	08.07.2011 23:56:12	37.84	08.07.2011 23:57:52	37.3	406059500
9C5C00C30266034	08.07.2011 23:55:15	08.07.2011 23:55:17	36.97	08.07.2011 23:55:17	36.97	08.07.2011 23:59:31	35.44	406059500
9C5C00C30276034	08.07.2011 23:55:26	08.07.2011 23:55:28	37.25	08.07.2011 23:55:28	37.25	Not produced		406059500
9C5C00C30286034	08.07.2011 23:55:12	08.07.2011 23:57:41	37.32	08.07.2011 23:57:41	37.32	08.07.2011 23:58:33	36.32	406059500
9C5C00C30296034	08.07.2011 23:55:32	08.07.2011 23:55:34	37.56	08.07.2011 23:55:34	37.56	08.07.2011 23:58:04	36.67	406059500
9C5C00C30306034	08.07.2011 23:55:30	08.07.2011 23:55:32	37.02	08.07.2011 23:55:32	37.02	08.07.2011 23:58:03	37.07	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 30								
Script number 6386			Date/Time of First Burst in Test Script Run 7 09.07.2011 00:30:00					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C30017034	09.07.2011 00:30:10	09.07.2011 00:30:13	35.3	09.07.2011 00:30:13	35.3	09.07.2011 00:31:02	36.89	406059500
9C5C00C30027034	09.07.2011 00:30:04	09.07.2011 00:30:07	35.21	09.07.2011 00:30:07	35.21	09.07.2011 00:32:39	36.09	406059500
9C5C00C30037034	09.07.2011 00:30:26	09.07.2011 00:32:57	36.23	09.07.2011 00:32:57	36.23	09.07.2011 00:35:33	36.58	406059500
9C5C00C30047034	09.07.2011 00:30:24	09.07.2011 00:30:26	38.39	09.07.2011 00:30:26	38.39	09.07.2011 00:33:44	36.56	406059500
9C5C00C30057034	09.07.2011 00:30:26	09.07.2011 00:31:18	37.78	09.07.2011 00:31:18	37.78	09.07.2011 00:33:47	36.59	406059500
9C5C00C30067034	09.07.2011 00:30:31	09.07.2011 00:31:26	38.23	09.07.2011 00:31:26	38.23	09.07.2011 00:33:57	36.38	406059500
9C5C00C30077034	09.07.2011 00:30:37	09.07.2011 00:30:39	37.35	09.07.2011 00:30:39	37.35	09.07.2011 00:33:12	38.14	406059500
9C5C00C30087034	09.07.2011 00:30:24	09.07.2011 00:32:53	36.34	09.07.2011 00:32:53	36.34	09.07.2011 00:33:43	37.34	406059500
9C5C00C30097034	09.07.2011 00:30:34	09.07.2011 00:35:29	36.98	09.07.2011 00:35:29	36.98	09.07.2011 00:39:32	36.91	406059500
9C5C00C30107034	09.07.2011 00:30:35	09.07.2011 00:34:47	36.17	09.07.2011 00:34:47	36.17	09.07.2011 00:37:20	37.15	406059500
9C5C00C30117034	09.07.2011 00:30:49	09.07.2011 00:30:51	36.61	09.07.2011 00:30:51	36.61	09.07.2011 00:32:34	36.84	406059500
9C5C00C30127034	09.07.2011 00:30:31	09.07.2011 00:33:00	35.82	09.07.2011 00:33:00	35.82	09.07.2011 00:33:48	37.02	406059500
9C5C00C30137034	09.07.2011 00:30:00	09.07.2011 00:30:03	35.11	09.07.2011 00:30:03	35.11	09.07.2011 00:30:55	36.81	406059500
9C5C00C30147034	09.07.2011 00:30:39	09.07.2011 00:30:42	38.19	09.07.2011 00:30:42	38.19	09.07.2011 00:32:23	36.42	406059500
9C5C00C30157034	09.07.2011 00:30:44	09.07.2011 00:32:27	35.69	09.07.2011 00:32:27	35.69	09.07.2011 00:33:16	37.46	406059500
9C5C00C30167034	09.07.2011 00:30:35	09.07.2011 00:33:05	36.06	09.07.2011 00:33:05	36.06	09.07.2011 00:34:45	36.47	406059500
9C5C00C30177034	09.07.2011 00:30:30	09.07.2011 00:34:44	35.59	09.07.2011 00:34:44	35.59	09.07.2011 00:39:40	37.05	406059500
9C5C00C30187034	09.07.2011 00:30:38	09.07.2011 00:30:41	38.17	09.07.2011 00:30:41	38.17	09.07.2011 00:33:11	37.79	406059500
9C5C00C30197034	09.07.2011 00:30:41	09.07.2011 00:38:08	38.82	09.07.2011 00:38:08	38.82	09.07.2011 00:39:00	36.85	406059500
9C5C00C30207034	09.07.2011 00:30:25	09.07.2011 00:31:17	36.78	09.07.2011 00:31:17	36.78	09.07.2011 00:35:28	36.52	406059500
9C5C00C30217034	09.07.2011 00:30:34	09.07.2011 00:35:40	35.42	09.07.2011 00:35:40	35.42	Not produced		406059500
9C5C00C30227034	09.07.2011 00:30:20	09.07.2011 00:30:22	37.63	09.07.2011 00:30:22	37.63	09.07.2011 00:31:10	37.69	406059500
9C5C00C30237034	09.07.2011 00:30:31	09.07.2011 00:33:02	35.85	09.07.2011 00:33:02	35.85	09.07.2011 00:40:34	37.96	406059500
9C5C00C30247034	09.07.2011 00:30:15	09.07.2011 00:30:18	35.67	09.07.2011 00:30:18	35.67	09.07.2011 00:31:09	37.93	406059500
9C5C00C30257034	09.07.2011 00:30:46	09.07.2011 00:30:49	36.51	09.07.2011 00:30:49	36.51	09.07.2011 00:32:29	35.67	406059500
9C5C00C30267034	09.07.2011 00:30:44	09.07.2011 00:34:51	35.96	09.07.2011 00:34:51	35.96	09.07.2011 00:38:06	37.4	406059500
9C5C00C30277034	09.07.2011 00:30:34	09.07.2011 00:36:29	38.45	09.07.2011 00:36:29	38.45	Not produced		406059500
9C5C00C30287034	09.07.2011 00:30:34	09.07.2011 00:34:46	36.9	09.07.2011 00:34:46	36.9	09.07.2011 00:35:34	37.55	406059500
9C5C00C30297034	09.07.2011 00:30:13	09.07.2011 00:30:15	36.33	09.07.2011 00:30:15	36.33	09.07.2011 00:31:08	37.01	406059500
9C5C00C30306034	08.07.2011 23:55:30	08.07.2011 23:55:32	37.02	08.07.2011 23:55:32	37.02	08.07.2011 23:58:03	37.07	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 30								
Script number 6387			Date/Time of First Burst in Test Script Run 8 09.07.2011 00:50:00					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C30018034	09.07.2011 00:50:02	09.07.2011 00:50:53	36.27	09.07.2011 00:50:53	36.27	09.07.2011 00:51:41	33.67	406059500
9C5C00C30028034	09.07.2011 00:50:08	09.07.2011 00:50:10	36.86	09.07.2011 00:50:10	36.86	09.07.2011 00:50:59	36.46	406059500
9C5C00C30038034	09.07.2011 00:50:19	09.07.2011 00:52:48	36.08	09.07.2011 00:52:48	36.08	09.07.2011 00:56:55	36.97	406059500
9C5C00C30048034	09.07.2011 00:50:16	09.07.2011 00:52:51	37.94	09.07.2011 00:52:51	37.94	09.07.2011 01:02:01	36.91	406059500
9C5C00C30058034	09.07.2011 00:50:19	09.07.2011 00:51:58	37.04	09.07.2011 00:51:58	37.04	09.07.2011 00:52:47	37.62	406059500
9C5C00C30068034	09.07.2011 00:50:27	09.07.2011 00:50:29	37.13	09.07.2011 00:50:29	37.13	09.07.2011 00:51:22	34.79	406059500
9C5C00C30078034	09.07.2011 00:50:10	09.07.2011 00:50:12	38.59	09.07.2011 00:50:12	38.59	09.07.2011 00:51:00	37.47	406059500
9C5C00C30088034	09.07.2011 00:50:12	09.07.2011 00:50:14	38.44	09.07.2011 00:50:14	38.44	09.07.2011 00:51:03	37.38	406059500
9C5C00C30098034	09.07.2011 00:50:41	09.07.2011 00:52:25	36.7	09.07.2011 00:52:25	36.7	09.07.2011 00:53:15	36.93	406059500
9C5C00C30108034	09.07.2011 00:50:50	09.07.2011 00:53:28	36.09	09.07.2011 00:53:28	36.09	09.07.2011 00:55:04	36.94	406059500
9C5C00C30118034	09.07.2011 00:50:43	09.07.2011 00:50:45	36.98	09.07.2011 00:50:45	36.98	09.07.2011 00:51:37	36.34	406059500
9C5C00C30128034	09.07.2011 00:50:24	09.07.2011 00:52:52	37.28	09.07.2011 00:52:52	37.28	09.07.2011 01:01:04	36.84	406059500
9C5C00C30138034	09.07.2011 00:50:36	09.07.2011 00:50:38	37.82	09.07.2011 00:50:38	37.82	09.07.2011 00:51:30	34.88	406059500
9C5C00C30148034	09.07.2011 00:50:33	09.07.2011 00:50:35	36.54	09.07.2011 00:50:35	36.54	09.07.2011 00:51:23	35.94	406059500
9C5C00C30158034	09.07.2011 00:50:50	09.07.2011 00:54:58	37.08	09.07.2011 00:54:58	37.08	09.07.2011 00:55:50	36.28	406059500
9C5C00C30168034	09.07.2011 00:50:46	09.07.2011 00:50:48	37.37	09.07.2011 00:50:48	37.37	09.07.2011 00:53:18	36.34	406059500
9C5C00C30178034	09.07.2011 00:50:00	09.07.2011 00:50:54	34.73	09.07.2011 00:50:54	34.73	09.07.2011 00:52:34	35.86	406059500
9C5C00C30188034	09.07.2011 00:50:05	09.07.2011 00:50:07	38.21	09.07.2011 00:50:07	38.21	09.07.2011 00:50:58	35.47	406059500
9C5C00C30198034	09.07.2011 00:50:49	09.07.2011 00:53:17	36.16	09.07.2011 00:53:17	36.16	09.07.2011 00:56:35	38.69	406059500
9C5C00C30208034	09.07.2011 00:50:15	09.07.2011 00:51:09	36.94	09.07.2011 00:51:09	36.94	09.07.2011 00:52:49	36.9	406059500
9C5C00C30218034	09.07.2011 00:50:04	09.07.2011 00:50:06	37.69	09.07.2011 00:50:06	37.69	09.07.2011 00:50:55	36.74	406059500
9C5C00C30228034	09.07.2011 00:50:22	09.07.2011 00:55:23	36.09	09.07.2011 00:55:23	36.09	09.07.2011 00:57:55	35.61	406059500
9C5C00C30238034	09.07.2011 00:50:24	09.07.2011 00:52:03	36.59	09.07.2011 00:52:03	36.59	09.07.2011 00:56:12	35.71	406059500
9C5C00C30248034	09.07.2011 00:50:23	09.07.2011 00:52:08	35.15	09.07.2011 00:52:08	35.15	09.07.2011 00:52:58	36.5	406059500
9C5C00C30258034	09.07.2011 00:50:00	09.07.2011 00:50:04	36.71	09.07.2011 00:50:04	36.71	09.07.2011 00:55:54	36.33	406059500
9C5C00C30268034	09.07.2011 00:50:49	09.07.2011 00:50:42	35.75	09.07.2011 00:50:42	35.75	09.07.2011 00:52:20	37.71	406059500
9C5C00C30278034	09.07.2011 00:50:40	09.07.2011 00:50:15	38.26	09.07.2011 00:50:15	38.26	09.07.2011 00:51:05	34.72	406059500
9C5C00C30288034	09.07.2011 00:50:13	09.07.2011 00:51:32	36.66	09.07.2011 00:51:32	36.66	09.07.2011 00:53:10	35.96	406059500
9C5C00C30298034	09.07.2011 00:50:41	09.07.2011 00:53:20	36.59	09.07.2011 00:53:20	36.59	09.07.2011 01:00:50	36.93	406059500
9C5C00C30308034	09.07.2011 00:50:42	09.07.2011 00:50:44	36.12	09.07.2011 00:50:44	36.12	09.07.2011 00:54:05	37.59	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 30								
Script number 6388			Date/Time of First Burst in Test Script Run 9 09.07.2011 01:10:06					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT	Freq Transmitted (Hz)
9C5C00C30019034	09.07.2011 01:10:10	09.07.2011 01:13:34	34.4	09.07.2011 01:13:34	34.4	09.07.2011 01:14:21	36.2	406059500
9C5C00C30029034	09.07.2011 01:10:19	09.07.2011 01:10:21	35.49	09.07.2011 01:10:21	35.49	09.07.2011 01:13:42	35.81	406059500
9C5C00C30039034	09.07.2011 01:10:14	09.07.2011 01:16:05	37	09.07.2011 01:16:05	37	09.07.2011 01:17:43	36.87	406059500
9C5C00C30049034	09.07.2011 01:10:41	09.07.2011 01:10:43	36.84	09.07.2011 01:10:43	36.84	09.07.2011 01:12:23	35.88	406059500
9C5C00C30059034	09.07.2011 01:10:06	09.07.2011 01:10:08	32.22	09.07.2011 01:10:08	32.22	09.07.2011 01:10:59	36.98	406059500
9C5C00C30069034	09.07.2011 01:10:17	09.07.2011 01:12:01	35.88	09.07.2011 01:12:01	35.88	09.07.2011 01:14:39	34.29	406059500
9C5C00C30079034	09.07.2011 01:10:25	09.07.2011 01:10:27	36.84	09.07.2011 01:10:27	36.84	09.07.2011 01:11:19	35.58	406059500
9C5C00C30089034	09.07.2011 01:10:49	09.07.2011 01:10:51	33	09.07.2011 01:10:51	33	09.07.2011 01:11:40	37.1	406059500
9C5C00C30099034	09.07.2011 01:10:16	09.07.2011 01:11:55	37.15	09.07.2011 01:11:55	37.15	09.07.2011 01:15:15	35.48	406059500
9C5C00C30109034	09.07.2011 01:10:47	09.07.2011 01:10:49	36.46	09.07.2011 01:10:49	36.46	09.07.2011 01:11:38	35.36	406059500
9C5C00C30119034	09.07.2011 01:10:17	09.07.2011 01:11:08	33.57	09.07.2011 01:11:08	33.57	09.07.2011 01:13:40	36.27	406059500
9C5C00C30129034	09.07.2011 01:10:43	09.07.2011 01:10:45	34.89	09.07.2011 01:10:45	34.89	09.07.2011 01:19:59	36.76	406059500
9C5C00C30139034	09.07.2011 01:10:39	09.07.2011 01:10:41	36.88	09.07.2011 01:10:41	36.88	09.07.2011 01:11:29	35.88	406059500
9C5C00C30149034	09.07.2011 01:10:30	09.07.2011 01:10:32	34.99	09.07.2011 01:10:32	34.99	09.07.2011 01:11:21	34.23	406059500
9C5C00C30159034	09.07.2011 01:10:24	09.07.2011 01:12:03	36.83	09.07.2011 01:12:03	36.83	09.07.2011 01:12:52	35.66	406059500
9C5C00C30169034	09.07.2011 01:10:08	09.07.2011 01:15:13	36.28	09.07.2011 01:17:39	36.21	09.07.2011 01:20:06	36.5	406059500
9C5C00C30179034	09.07.2011 01:10:44	09.07.2011 01:11:37	35.89	09.07.2011 01:11:37	35.89	09.07.2011 01:15:43	35.09	406059500
9C5C00C30189034	09.07.2011 01:10:24	09.07.2011 01:12:06	36.53	09.07.2011 01:12:06	36.53	09.07.2011 01:12:58	36.27	406059500
9C5C00C30199034	09.07.2011 01:10:32	09.07.2011 01:10:34	38.86	09.07.2011 01:10:34	38.86	09.07.2011 01:11:26	37.56	406059500
9C5C00C30209034	09.07.2011 01:10:29	09.07.2011 01:10:31	37.58	09.07.2011 01:10:31	37.58	09.07.2011 01:11:19	37.09	406059500
9C5C00C30219034	09.07.2011 01:10:08	09.07.2011 01:11:49	36.02	09.07.2011 01:11:49	36.02	09.07.2011 01:13:29	37.16	406059500
9C5C00C30229034	09.07.2011 01:10:11	09.07.2011 01:10:13	36.01	09.07.2011 01:10:13	36.01	09.07.2011 01:11:03	36.5	406059500
9C5C00C30239034	09.07.2011 01:10:44	09.07.2011 01:11:35	36.89	09.07.2011 01:11:35	36.89	Not produced		406059500
9C5C00C30249034	09.07.2011 01:10:38	09.07.2011 01:10:40	31.36	09.07.2011 01:10:40	31.36	09.07.2011 01:12:21	36.41	406059500
9C5C00C30259034	09.07.2011 01:10:14	09.07.2011 01:11:04	36.39	09.07.2011 01:11:04	36.39	09.07.2011 01:12:44	32.32	406059500
9C5C00C30269034	09.07.2011 01:10:10	09.07.2011 01:10:12	36.14	09.07.2011 01:10:12	36.14	09.07.2011 01:14:26	36.26	406059500
9C5C00C30279034	09.07.2011 01:10:09	09.07.2011 01:13:28	35.48	09.07.2011 01:13:28	35.48	09.07.2011 01:16:54	36.14	406059500
9C5C00C30289034	09.07.2011 01:10:27	09.07.2011 01:10:29	37.57	09.07.2011 01:10:29	37.57	09.07.2011 01:11:18	36.05	406059500
9C5C00C30299034	09.07.2011 01:10:10	09.07.2011 01:11:03	36.59	09.07.2011 01:11:03	36.59	09.07.2011 01:12:41	37.26	406059500
9C5C00C30306034	08.07.2011 23:55:30	08.07.2011 23:55:32	37.02	08.07.2011 23:55:32	37.02	08.07.2011 23:58:03	37.07	406059500

Simulated traffic load (Number of simultaneously occurring beacon events) 30								
Script number 6389			Date/Time of First Burst in Test Script Run 10 09.07.2011 01:30:02					
15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	Freq Transmitted (Hz)
9C5C00C3001A034	09.07.2011 01:30:48	09.07.2011 01:39:08	35.56	09.07.2011 01:39:08	35.56	09.07.2011 01:40:00	33.83	406059500
9C5C00C3002A034	09.07.2011 01:30:12	09.07.2011 01:30:14	36.36	09.07.2011 01:30:14	36.36	09.07.2011 01:32:46	34.81	406059500
9C5C00C3003A034	09.07.2011 01:30:02	09.07.2011 01:30:52	35.28	09.07.2011 01:30:52	35.28	09.07.2011 01:33:20	34.31	406059500
9C5C00C3004A034	09.07.2011 01:30:05	09.07.2011 01:30:58	37.09	09.07.2011 01:30:58	37.09	09.07.2011 01:31:48	36.19	406059500
9C5C00C3005A034	09.07.2011 01:30:15	09.07.2011 01:30:18	31.41	09.07.2011 01:30:18	31.41	09.07.2011 01:31:08	34.27	406059500
9C5C00C3006A034	09.07.2011 01:30:26	09.07.2011 01:30:28	36.42	09.07.2011 01:30:28	36.42	09.07.2011 01:31:15	30.74	406059500
9C5C00C3007A034	09.07.2011 01:30:30	09.07.2011 01:31:21	33.65	09.07.2011 01:31:21	33.65	Not produced		406059500
9C5C00C3008A034	09.07.2011 01:30:30	09.07.2011 01:32:07	35.92	09.07.2011 01:32:07	35.92	09.07.2011 01:33:45	35.39	406059500
9C5C00C3009A034	09.07.2011 01:30:28	09.07.2011 01:32:09	34.99	09.07.2011 01:32:09	34.99	09.07.2011 01:38:01	33.48	406059500
9C5C00C3010A034	09.07.2011 01:30:36	09.07.2011 01:30:41	35.02	09.07.2011 01:30:41	35.02	09.07.2011 01:33:09	36.01	406059500
9C5C00C3011A034	09.07.2011 01:30:13	09.07.2011 01:31:04	35.61	09.07.2011 01:31:04	35.61	09.07.2011 01:31:53	31.96	406059500
9C5C00C3012A034	09.07.2011 01:30:23	09.07.2011 01:31:39	36.46	09.07.2011 01:31:39	36.46	09.07.2011 01:39:57	35.69	406059500
9C5C00C3013A034	09.07.2011 01:30:02	09.07.2011 01:32:05	35.83	09.07.2011 01:32:05	35.83	09.07.2011 01:32:55	36.65	406059500
9C5C00C3014A034	09.07.2011 01:30:49	09.07.2011 01:39:09	35.81	09.07.2011 01:39:09	35.81	09.07.2011 01:39:59	34.54	406059500
9C5C00C3015A034	09.07.2011 01:30:31	09.07.2011 01:37:09	35.55	09.07.2011 01:37:09	35.55	Not produced		406059500
9C5C00C3016A034	09.07.2011 01:30:18	09.07.2011 01:32:54	36	09.07.2011 01:32:54	36	09.07.2011 01:33:45	35.25	406059500
9C5C00C3017A034	09.07.2011 01:30:16	09.07.2011 01:32:43	34.76	09.07.2011 01:32:43	34.76	09.07.2011 01:33:31	36.64	406059500
9C5C00C3018A034	09.07.2011 01:30:37	09.07.2011 01:35:39	34.72	09.07.2011 01:35:39	34.72	09.07.2011 01:43:57	34.59	406059500
9C5C00C3019A034	09.07.2011 01:30:39	09.07.2011 01:38:57	35.64	09.07.2011 01:38:57	35.64	09.07.2011 01:39:49	33.57	406059500
9C5C00C3020A034	09.07.2011 01:30:05	09.07.2011 01:30:56	36.41	09.07.2011 01:30:56	36.41	09.07.2011 01:33:26	36.04	406059500
9C5C00C3021A034	09.07.2011 01:30:28	09.07.2011 01:35:33	36.69	09.07.2011 01:35:33	36.69	09.07.2011 01:37:13	35.98	406059500
9C5C00C3022A034	09.07.2011 01:30:48	09.07.2011 01:32:29	35.55	09.07.2011 01:32:29	35.55	09.07.2011 01:33:17	36.16	406059500
9C5C00C3023A034	09.07.2011 01:30:29	09.07.2011 01:36:18	35.82	09.07.2011 01:36:18	35.82	Not produced		406059500
9C5C00C3024A034	09.07.2011 01:30:33	09.07.2011 01:42:15	34.65	09.07.2011 01:42:15	34.65	09.07.2011 01:43:56	32.32	406059500
9C5C00C3025A034	09.07.2011 01:30:18	09.07.2011 01:31:11	34.77	09.07.2011 01:31:11	34.77	09.07.2011 01:32:51	36.36	406059500
9C5C00C3026A034	09.07.2011 01:30:22	09.07.2011 01:32:50	33.24	09.07.2011 01:32:50	33.24	09.07.2011 01:33:39	36.31	406059500
9C5C00C3027A034	09.07.2011 01:30:37	09.07.2011 01:35:46	35.33	09.07.2011 01:35:46	35.33	09.07.2011 01:39:56	34.67	406059500
9C5C00C3028A034	09.07.2011 01:30:29	09.07.2011 01:32:09	36.05	09.07.2011 01:32:09	36.05	09.07.2011 01:36:15	35.31	406059500
9C5C00C3029A034	09.07.2011 01:30:31	09.07.2011 01:37:12	35.52	09.07.2011 01:37:12	35.52	09.07.2011 01:42:08	34.44	406059500
9C5C00C30306034	08.07.2011 23:55:30	08.07.2011 23:55:32	37.02	08.07.2011 23:55:32	37.02	08.07.2011 23:58:03	37.07	406059500

ANNEX C**GEOLUT DATA COLLECTED FOR OBJECTIVE T-6****C.1 Introduction**

This annex provides a description of the data recorded for each beacon event transmitted by the simulator for objective T-6. This information provides the foundation for the analysis and conclusions provided in the body of the report.

The table below combine information obtained from the simulator operator, with data collected from the GEOLUT under test. Each row in this table represents a single beacon event. All times are in GMT+3.

15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	LEOSAR Inter- ference (Y/N)
9C5C00670001037	09.07.2011 09:00:43	09.07.2011 09:00:44	38.2	09.07.2011 09:00:44	38.20	09.07.2011 09:01:32	39.20	N
9C5C00670002037	09.07.2011 09:10:27	09.07.2011 09:10:28	39.39	09.07.2011 09:10:28	39.39	09.07.2011 09:11:17	38.15	Y
9C5C00670003037	09.07.2011 09:20:44	09.07.2011 09:20:45	39.49	09.07.2011 09:20:45	39.49	09.07.2011 09:21:37	39.40	N
9C5C00670004037	09.07.2011 09:30:03	09.07.2011 09:30:04	38.54	09.07.2011 09:30:04	38.54	09.07.2011 09:30:54	38.61	Y
9C5C00670005037	09.07.2011 09:40:29	09.07.2011 09:40:30	34.35	09.07.2011 09:40:30	34.35	09.07.2011 09:41:22	37.18	N
9C5C00670006037	09.07.2011 09:50:45	09.07.2011 09:50:46	37.97	09.07.2011 09:50:46	37.97	09.07.2011 09:51:36	39.81	N
9C5C00670007037	09.07.2011 10:00:22	09.07.2011 10:00:23	38.85	09.07.2011 10:00:23	38.85	09.07.2011 10:01:12	39.11	N
9C5C00670008037	09.07.2011 10:10:35	09.07.2011 10:10:36	37.43	09.07.2011 10:10:36	37.43	09.07.2011 10:11:24	39.60	Y
9C5C00670009037	09.07.2011 10:20:05	09.07.2011 10:20:06	36.95	09.07.2011 10:20:06	36.95	09.07.2011 10:20:55	38.52	Y
9C5C00670010037	09.07.2011 10:30:16	09.07.2011 10:30:17	39.35	09.07.2011 10:30:17	39.35	09.07.2011 10:31:09	39.19	N
9C5C00670011037	09.07.2011 10:40:26	09.07.2011 10:40:27	38.42	09.07.2011 10:40:27	38.42	09.07.2011 10:41:19	38.48	N
9C5C00670012037	09.07.2011 10:50:34	09.07.2011 10:50:35	38.06	09.07.2011 10:50:35	38.06	09.07.2011 10:51:23	39.52	Y
9C5C00670013037	09.07.2011 11:00:33	09.07.2011 11:00:34	37.85	09.07.2011 11:00:34	37.85	09.07.2011 11:01:21	39.91	N
9C5C00670014037	09.07.2011 11:10:18	09.07.2011 11:10:19	39.31	09.07.2011 11:10:19	39.31	09.07.2011 11:11:08	40.16	Y
9C5C00670015037	09.07.2011 11:20:24	09.07.2011 11:20:25	37.28	09.07.2011 11:20:25	37.28	09.07.2011 11:21:16	37.72	N
9C5C00670016037	09.07.2011 11:42:36	09.07.2011 11:42:37	38.94	09.07.2011 11:42:37	38.94	09.07.2011 11:43:26	39.40	N
9C5C00670017037	09.07.2011 11:52:09	09.07.2011 11:52:10	38.44	09.07.2011 11:52:10	38.44	09.07.2011 11:52:58	40.65	Y
9C5C00670018037	09.07.2011 11:52:03	09.07.2011 11:52:04	39.78	09.07.2011 11:52:04	39.78	09.07.2011 11:52:55	39.89	Y
9C5C00670019037	09.07.2011 12:12:38	09.07.2011 12:12:39	39.44	09.07.2011 12:12:39	39.44	09.07.2011 12:13:27	38.88	N
9C5C00670020037	09.07.2011 12:22:08	09.07.2011 12:22:08	40.23	09.07.2011 12:22:08	40.23	09.07.2011 12:22:58	38.34	N
9C5C00670021037	09.07.2011 12:32:12	09.07.2011 12:33:02	39.14	09.07.2011 12:33:02	39.14	09.07.2011 12:33:51	39.59	Y
9C5C00670022037	09.07.2011 12:42:03	09.07.2011 12:42:04	39.87	09.07.2011 12:42:04	39.87	09.07.2011 12:43:44	39.76	N
9C5C00670023037	09.07.2011 12:52:25	09.07.2011 12:52:26	38.95	09.07.2011 12:52:26	38.95	09.07.2011 12:53:18	40.52	N
9C5C00670024037	09.07.2011 13:01:58	09.07.2011 13:01:58	39.89	09.07.2011 13:01:58	39.89	09.07.2011 13:02:46	39.78	N
9C5C00670025037	09.07.2011 13:11:59	09.07.2011 13:12:00	38.36	09.07.2011 13:12:00	38.36	09.07.2011 13:12:48	39.81	N
9C5C00670026037	09.07.2011 13:22:37	09.07.2011 13:22:37	39.72	09.07.2011 13:22:37	39.72	09.07.2011 13:23:26	39.80	N
9C5C00670027037	09.07.2011 13:32:08	09.07.2011 13:32:09	38.63	09.07.2011 13:32:09	38.63	09.07.2011 13:32:57	40.06	Y
9C5C00670028037	09.07.2011 13:42:12	09.07.2011 13:42:13	40.39	09.07.2011 13:42:13	40.39	09.07.2011 13:43:02	38.84	Y
9C5C00670029037	09.07.2011 13:52:28	09.07.2011 13:52:29	39.63	09.07.2011 13:52:29	39.63	09.07.2011 13:53:17	40.41	N
9C5C00670030037	09.07.2011 14:02:41	09.07.2011 14:02:42	40.3	09.07.2011 14:02:42	40.30	09.07.2011 14:03:34	38.28	N
9C5C00670031037	09.07.2011 14:24:33	09.07.2011 14:24:35	39.09	09.07.2011 14:24:35	39.09	09.07.2011 14:25:25	39.88	Y
9C5C00670032037	09.07.2011 14:34:29	09.07.2011 14:34:30	38.89	09.07.2011 14:34:30	38.89	09.07.2011 14:35:21	39.54	N
9C5C00670033037	09.07.2011 14:44:23	09.07.2011 14:44:24	39.56	09.07.2011 14:44:24	39.56	09.07.2011 14:45:16	38.57	N
9C5C00670034037	09.07.2011 14:54:44	09.07.2011 14:54:46	35.96	09.07.2011 14:54:46	35.96	09.07.2011 14:55:36	38.52	N
9C5C00670035037	09.07.2011 15:04:30	09.07.2011 15:04:31	39.55	09.07.2011 15:04:31	39.55	09.07.2011 15:05:21	38.75	Y
9C5C00670036037	09.07.2011 15:14:46	09.07.2011 15:14:47	38.2	09.07.2011 15:14:47	38.20	09.07.2011 15:15:35	39.36	Y
9C5C00670037037	09.07.2011 14:24:13	09.07.2011 14:24:14	38.66	09.07.2011 14:24:14	38.66	09.07.2011 14:25:02	39.55	N
9C5C00670038037	09.07.2011 15:34:16	09.07.2011 15:34:17	39.87	09.07.2011 15:34:17	39.87	09.07.2011 15:35:06	39.61	N
9C5C00670039037	09.07.2011 15:44:05	09.07.2011 15:44:07	38.82	09.07.2011 15:44:07	38.82	09.07.2011 15:44:57	41.08	N
9C5C00670040037	09.07.2011 15:54:10	09.07.2011 15:54:12	38.64	09.07.2011 15:54:12	38.64	09.07.2011 15:55:02	39.78	N
9C5C00670041037	09.07.2011 16:04:12	09.07.2011 16:04:13	39.66	09.07.2011 16:04:13	39.66	09.07.2011 16:05:03	39.75	Y
9C5C00670042037	09.07.2011 16:14:07	09.07.2011 16:14:08	39.93	09.07.2011 16:14:08	39.93	09.07.2011 16:14:57	38.66	N
9C5C00670043037	09.07.2011 16:24:33	09.07.2011 16:24:34	38.71	09.07.2011 16:24:34	38.71	09.07.2011 16:25:22	39.95	N
9C5C00670044037	09.07.2011 16:34:41	09.07.2011 16:34:43	38.95	09.07.2011 16:34:43	38.95	09.07.2011 16:35:32	38.94	N
9C5C00670045037	09.07.2011 16:44:39	09.07.2011 16:44:40	38.44	09.07.2011 16:44:40	38.44	09.07.2011 16:45:31	39.82	Y
9C5C00670046037	09.07.2011 17:06:19	09.07.2011 17:06:20	38.33	09.07.2011 17:06:20	38.33	09.07.2011 17:07:09	40.27	N
9C5C00670047037	09.07.2011 17:16:33	09.07.2011 17:16:34	38.33	09.07.2011 17:16:34	38.33	09.07.2011 17:17:22	40.78	N

15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	LEOSAR Inter- ference (Y/N)
9C5C00670048037	09.07.2011 17:26:46	09.07.2011 17:26:47	39.87	09.07.2011 17:26:47	39.87	09.07.2011 17:27:36	39.73	Y
9C5C00670049037	09.07.2011 17:36:29	09.07.2011 17:36:30	39.15	09.07.2011 17:36:30	39.15	09.07.2011 17:37:18	39.89	Y
9C5C00670050037	09.07.2011 17:46:10	09.07.2011 17:46:11	39.64	09.07.2011 17:46:11	39.64	09.07.2011 17:47:02	39.55	Y
9C5C00670051037	09.07.2011 17:56:37	09.07.2011 17:56:38	39.71	09.07.2011 17:56:38	39.71	09.07.2011 17:57:28	39.60	N
9C5C00670052037	09.07.2011 18:06:18	09.07.2011 18:06:19	39.77	09.07.2011 18:06:19	39.77	09.07.2011 18:07:09	41.36	N
9C5C00670053037	09.07.2011 18:16:28	09.07.2011 18:16:29	39.83	09.07.2011 18:16:29	39.83	09.07.2011 18:17:17	40.06	N
9C5C00670054037	09.07.2011 18:26:35	09.07.2011 18:26:36	40.71	09.07.2011 18:26:36	40.71	09.07.2011 18:27:26	39.15	Y
9C5C00670055037	09.07.2011 18:36:06	09.07.2011 18:36:07	38.78	09.07.2011 18:36:07	38.78	09.07.2011 18:36:58	40.26	N
9C5C00670056037	09.07.2011 17:16:38	09.07.2011 17:16:39	39.07	09.07.2011 17:16:39	39.07	09.07.2011 17:17:30	39.65	N
9C5C00670057037	09.07.2011 18:56:44	09.07.2011 18:56:46	39.5	09.07.2011 18:56:46	39.50	09.07.2011 18:57:38	39.36	Y
9C5C00670058037	09.07.2011 19:06:18	09.07.2011 19:06:19	39.54	09.07.2011 19:06:19	39.54	09.07.2011 19:07:09	40.13	Y
9C5C00670059037	09.07.2011 19:16:23	09.07.2011 19:16:24	41.29	09.07.2011 19:16:24	41.29	09.07.2011 19:17:12	40.65	Y
9C5C00670060037	09.07.2011 19:26:02	09.07.2011 19:26:03	39.52	09.07.2011 19:26:03	39.52	09.07.2011 19:26:55	39.67	Y
9C5C00670061037	09.07.2011 19:47:44	09.07.2011 19:48:35	39.73	09.07.2011 19:48:35	39.73	09.07.2011 19:49:26	40.40	N
9C5C00670062037	09.07.2011 19:57:27	09.07.2011 19:57:28	40.99	09.07.2011 19:57:28	40.99	09.07.2011 19:58:19	40.10	N
9C5C00670063037	09.07.2011 20:07:37	09.07.2011 20:07:38	35.77	09.07.2011 20:07:38	35.77	09.07.2011 20:08:27	37.49	Y
9C5C00670064037	09.07.2011 20:17:53	09.07.2011 20:17:54	40.55	09.07.2011 20:17:54	40.55	09.07.2011 20:18:45	40.48	N
9C5C00670065037	09.07.2011 20:27:55	09.07.2011 20:27:56	40.1	09.07.2011 20:27:56	40.10	09.07.2011 20:29:34	40.36	N
9C5C00670066037	09.07.2011 20:37:43	09.07.2011 20:38:33	37.75	09.07.2011 20:38:33	37.75	09.07.2011 20:39:25	39.20	Y
9C5C00670067037	09.07.2011 20:47:56	09.07.2011 20:47:57	39.21	09.07.2011 20:47:57	39.21	09.07.2011 20:48:49	41.29	Y
9C5C00670068037	09.07.2011 20:57:53	09.07.2011 20:57:55	39.94	09.07.2011 20:57:55	39.94	09.07.2011 20:58:46	39.86	N
9C5C00670069037	09.07.2011 21:07:39	09.07.2011 21:07:41	39.7	09.07.2011 21:07:41	39.70	09.07.2011 21:08:28	40.58	Y
9C5C00670070037	09.07.2011 21:17:44	09.07.2011 21:17:45	41.3	09.07.2011 21:17:45	41.30	09.07.2011 21:18:33	41.07	N
9C5C00670071037	09.07.2011 21:27:54	09.07.2011 21:27:55	39.85	09.07.2011 21:27:55	39.85	09.07.2011 21:28:44	40.11	N
9C5C00670072037	09.07.2011 21:37:27	09.07.2011 21:37:28	40.95	09.07.2011 21:37:28	40.95	09.07.2011 21:38:20	40.06	N
9C5C00670073037	09.07.2011 21:47:31	09.07.2011 21:48:24	40.96	09.07.2011 21:48:24	40.96	09.07.2011 21:49:15	40.67	Y
9C5C00670074037	09.07.2011 21:57:45	09.07.2011 21:57:46	39.55	09.07.2011 21:57:46	39.55	09.07.2011 21:58:38	39.26	N
9C5C00670075037	09.07.2011 19:47:32	09.07.2011 19:47:33	40.53	09.07.2011 19:47:33	40.53	09.07.2011 19:48:25	38.77	N
9C5C00670076037	09.07.2011 22:19:56	09.07.2011 22:19:57	35.4	09.07.2011 22:19:57	35.40	09.07.2011 22:20:46	34.01	N
9C5C00670077037	09.07.2011 22:29:55	09.07.2011 22:29:55	39.46	09.07.2011 22:29:55	39.46	09.07.2011 22:30:46	40.65	N
9C5C00670078037	09.07.2011 22:39:36	09.07.2011 22:39:36	40.12	09.07.2011 22:39:36	40.12	09.07.2011 22:40:28	40.65	N
9C5C00670079037	09.07.2011 22:49:26	09.07.2011 22:49:27	41.05	09.07.2011 22:49:27	41.05	09.07.2011 22:50:14	39.02	N
9C5C00670080037	09.07.2011 22:59:27	09.07.2011 22:59:28	39.39	09.07.2011 22:59:28	39.39	09.07.2011 23:01:57	39.12	N
9C5C00670081037	09.07.2011 23:09:40	09.07.2011 23:09:40	39.51	09.07.2011 23:09:40	39.51	09.07.2011 23:10:31	39.54	N
9C5C00670082037	09.07.2011 23:19:48	09.07.2011 23:19:49	38.98	09.07.2011 23:19:49	38.98	09.07.2011 23:20:41	37.92	N
9C5C00670083037	09.07.2011 23:29:47	09.07.2011 23:29:48	39.25	09.07.2011 23:29:48	39.25	09.07.2011 23:30:37	37.76	Y
9C5C00670084037	09.07.2011 23:39:47	09.07.2011 23:43:59	37.89	09.07.2011 23:43:59	37.89	09.07.2011 23:44:51	38.67	N
9C5C00670085037	09.07.2011 23:49:39	09.07.2011 23:49:40	39.71	09.07.2011 23:49:40	39.71	09.07.2011 23:50:30	40.20	N
9C5C00670086037	09.07.2011 23:59:36	09.07.2011 23:59:37	40.24	09.07.2011 23:59:37	40.24	10.07.2011 00:00:25	40.31	N
9C5C00670087037	10.07.2011 00:09:36	10.07.2011 00:09:37	40.6	10.07.2011 00:09:37	40.60	10.07.2011 00:10:28	42.19	Y
9C5C00670088037	10.07.2011 00:19:37	10.07.2011 00:19:38	39.89	10.07.2011 00:19:38	39.89	10.07.2011 00:20:29	41.40	N
9C5C00670089037	10.07.2011 00:30:08	10.07.2011 00:30:08	40.86	10.07.2011 00:30:08	40.86	10.07.2011 00:30:57	40.11	N
9C5C00670090037	10.07.2011 00:39:22	10.07.2011 00:39:23	40.84	10.07.2011 00:39:23	40.84	10.07.2011 00:40:12	38.71	N
9C5C00670091037	10.07.2011 01:00:49	10.07.2011 01:00:50	36.09	10.07.2011 01:00:50	36.09	10.07.2011 01:01:41	39.04	N
9C5C00670092037	10.07.2011 01:10:54	10.07.2011 01:10:55	34.47	10.07.2011 01:10:55	34.47	10.07.2011 01:11:44	40.28	N
9C5C00670093037	10.07.2011 01:21:10	10.07.2011 01:21:11	33.5	10.07.2011 01:21:11	33.50	10.07.2011 01:22:02	39.99	N
9C5C00670094037	10.07.2011 01:11:17	10.07.2011 01:11:18	39.48	10.07.2011 01:11:18	39.48	10.07.2011 01:12:08	40.43	N
9C5C00670095037	10.07.2011 01:40:51	10.07.2011 01:40:52	37.08	10.07.2011 01:40:52	37.08	10.07.2011 01:41:42	38.17	N

15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	LEOSAR Inter- ference (Y/N)
9C5C00670096037	10.07.2011 01:51:06	10.07.2011 01:51:07	30.68	10.07.2011 01:51:07	30.68	10.07.2011 01:51:56	33.35	Y
9C5C00670097037	10.07.2011 02:01:33	10.07.2011 02:01:33	37.83	10.07.2011 02:01:33	37.83	10.07.2011 02:03:11	36.57	N
9C5C00670098037	10.07.2011 02:10:48	10.07.2011 02:10:48	39.48	10.07.2011 02:10:48	39.48	10.07.2011 02:11:36	36.89	N
9C5C00670099037	10.07.2011 02:21:30	10.07.2011 02:21:30	39.94	10.07.2011 02:21:30	39.94	10.07.2011 02:22:19	40.72	N
9C5C00670100037	10.07.2011 02:31:01	10.07.2011 02:31:02	40.08	10.07.2011 02:31:02	40.08	10.07.2011 02:31:53	40.23	N
9C5C00670101037	10.07.2011 02:41:29	10.07.2011 02:41:30	39.73	10.07.2011 02:41:30	39.73	10.07.2011 02:42:20	40.20	N
9C5C00670102037	10.07.2011 02:51:17	10.07.2011 02:51:17	40.72	10.07.2011 02:51:17	40.72	10.07.2011 02:52:08	40.32	N
9C5C00670103037	10.07.2011 03:01:00	10.07.2011 03:01:00	38.22	10.07.2011 03:01:00	38.22	10.07.2011 03:01:48	40.18	N
9C5C00670104037	10.07.2011 03:10:46	10.07.2011 03:10:46	40.14	10.07.2011 03:10:46	40.14	10.07.2011 03:11:38	39.13	N
9C5C00670105037	10.07.2011 03:21:08	10.07.2011 03:21:09	40.11	10.07.2011 03:21:09	40.11	10.07.2011 03:22:01	40.78	N
9C5C00670106037	10.07.2011 03:42:44	10.07.2011 03:42:44	39.72	10.07.2011 03:42:44	39.72	10.07.2011 03:43:34	38.90	N
9C5C00670107037	10.07.2011 03:53:20	10.07.2011 03:53:21	41.31	10.07.2011 03:53:21	41.31	10.07.2011 03:54:12	39.16	N
9C5C00670108037	10.07.2011 04:02:57	10.07.2011 04:02:58	40.4	10.07.2011 04:02:58	40.40	10.07.2011 04:03:48	39.36	N
9C5C00670109037	10.07.2011 04:12:52	10.07.2011 04:12:52	39.32	10.07.2011 04:12:52	39.32	10.07.2011 04:13:41	40.14	N
9C5C00670110037	10.07.2011 04:22:40	10.07.2011 04:22:40	38.53	10.07.2011 04:22:40	38.53	10.07.2011 04:23:29	37.93	N
9C5C00670111037	10.07.2011 04:33:09	10.07.2011 04:33:10	40.42	10.07.2011 04:33:10	40.42	10.07.2011 04:34:00	40.23	N
9C5C00670112037	10.07.2011 04:43:11	10.07.2011 04:43:12	39.61	10.07.2011 04:43:12	39.61	10.07.2011 04:44:01	39.19	N
9C5C00670113037	10.07.2011 03:43:17	10.07.2011 03:43:17	41.39	10.07.2011 03:43:17	41.39	10.07.2011 03:44:09	39.70	N
9C5C00670114037	10.07.2011 05:03:11	10.07.2011 05:03:12	38.52	10.07.2011 05:03:12	38.52	10.07.2011 05:04:00	37.77	N
9C5C00670115037	10.07.2011 05:13:07	10.07.2011 05:13:08	39.8	10.07.2011 05:13:08	39.80	10.07.2011 05:14:00	40.91	Y
9C5C00670116037	10.07.2011 05:23:03	10.07.2011 05:23:04	38.14	10.07.2011 05:23:04	38.14	10.07.2011 05:23:55	39.06	N
9C5C00670117037	10.07.2011 05:32:56	10.07.2011 05:32:57	35.04	10.07.2011 05:32:57	35.04	10.07.2011 05:33:46	39.13	N
9C5C00670118037	10.07.2011 05:42:35	10.07.2011 05:42:35	39.58	10.07.2011 05:42:35	39.58	10.07.2011 05:43:25	39.74	N
9C5C00670119037	10.07.2011 05:52:37	10.07.2011 05:52:38	39.07	10.07.2011 05:52:38	39.07	10.07.2011 05:53:26	38.45	N
9C5C00670120037	10.07.2011 06:02:36	10.07.2011 06:02:37	40.55	10.07.2011 06:02:37	40.55	10.07.2011 06:03:27	39.40	N
9C5C00670121037	10.07.2011 06:24:21	10.07.2011 06:24:22	39.18	10.07.2011 06:24:22	39.18	10.07.2011 06:25:12	39.53	N
9C5C00670122037	10.07.2011 06:34:20	10.07.2011 06:34:20	39.6	10.07.2011 06:34:20	39.60	10.07.2011 06:35:11	37.49	Y
9C5C00670123037	10.07.2011 06:44:34	10.07.2011 06:44:35	39.51	10.07.2011 06:44:35	39.51	10.07.2011 06:45:23	39.52	N
9C5C00670124037	10.07.2011 06:54:34	10.07.2011 06:54:34	39.13	10.07.2011 06:54:34	39.13	10.07.2011 06:55:22	38.85	N
9C5C00670125037	10.07.2011 07:04:42	10.07.2011 07:04:42	39.8	10.07.2011 07:04:42	39.80	10.07.2011 07:05:35	37.95	Y
9C5C00670126037	10.07.2011 07:14:44	10.07.2011 07:14:45	37.94	10.07.2011 07:14:45	37.94	10.07.2011 07:15:33	37.60	N
9C5C00670127037	10.07.2011 07:24:18	10.07.2011 07:24:18	40.16	10.07.2011 07:24:18	40.16	10.07.2011 07:25:08	37.57	N
9C5C00670128037	10.07.2011 07:34:28	10.07.2011 07:34:28	39.13	10.07.2011 07:34:28	39.13	10.07.2011 07:35:18	37.69	Y
9C5C00670129037	10.07.2011 07:44:39	10.07.2011 07:44:40	38.8	10.07.2011 07:44:40	38.80	10.07.2011 07:45:27	38.89	N
9C5C00670130037	10.07.2011 07:54:29	10.07.2011 07:55:22	38.08	10.07.2011 07:55:22	38.08	10.07.2011 07:56:14	38.59	N
9C5C00670131037	10.07.2011 08:04:47	10.07.2011 08:04:47	39.33	10.07.2011 08:04:47	39.33	10.07.2011 08:05:38	37.68	N
9C5C00670132037	10.07.2011 06:34:03	10.07.2011 06:34:04	39.52	10.07.2011 06:34:04	39.52	10.07.2011 06:34:56	39.01	Y
9C5C00670133037	10.07.2011 08:24:39	10.07.2011 08:24:40	38.81	10.07.2011 08:24:40	38.81	10.07.2011 08:25:30	38.79	N
9C5C00670134037	10.07.2011 08:34:12	10.07.2011 08:34:12	38.75	10.07.2011 08:34:12	38.75	10.07.2011 08:35:04	38.90	N
9C5C00670135037	10.07.2011 08:44:13	10.07.2011 08:44:13	38.8	10.07.2011 08:44:13	38.80	10.07.2011 08:45:05	38.79	Y
9C5C00670136037	10.07.2011 09:05:58	10.07.2011 09:05:59	39.47	10.07.2011 09:05:59	39.47	10.07.2011 09:06:50	38.00	N
9C5C00670137037	10.07.2011 09:15:59	10.07.2011 09:15:59	38.68	10.07.2011 09:15:59	38.68	10.07.2011 09:16:47	38.37	Y
9C5C00670138037	10.07.2011 09:25:40	10.07.2011 09:25:41	38.74	10.07.2011 09:25:41	38.74	10.07.2011 09:26:32	39.34	N
9C5C00670139037	10.07.2011 09:35:58	10.07.2011 09:35:59	37.66	10.07.2011 09:35:59	37.66	10.07.2011 09:36:48	38.92	N
9C5C00670140037	10.07.2011 09:45:40	10.07.2011 09:45:40	39.29	10.07.2011 09:45:40	39.29	10.07.2011 09:46:31	37.77	N
9C5C00670141037	10.07.2011 09:56:11	10.07.2011 09:56:11	39.57	10.07.2011 09:56:11	39.57	10.07.2011 09:56:59	38.85	Y
9C5C00670142037	10.07.2011 10:05:47	10.07.2011 10:05:48	37.26	10.07.2011 10:05:48	37.26	10.07.2011 10:06:39	37.65	Y

15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	LEOSAR Inter- ference (Y/N)
9C5C00670143037	10.07.2011 10:16:12	10.07.2011 10:16:13	38.6	10.07.2011 10:16:13	38.60	10.07.2011 10:17:04	38.93	N
9C5C00670144037	10.07.2011 10:25:56	10.07.2011 10:25:56	38.82	10.07.2011 10:25:56	38.82	10.07.2011 10:26:47	37.81	Y
9C5C00670145037	10.07.2011 10:36:02	10.07.2011 10:36:02	39.12	10.07.2011 10:36:02	39.12	10.07.2011 10:36:51	39.33	N
9C5C00670146037	10.07.2011 10:46:09	10.07.2011 10:46:10	37.81	10.07.2011 10:46:10	37.81	10.07.2011 10:46:58	39.55	N
9C5C00670147037	10.07.2011 10:56:21	10.07.2011 10:56:21	38.5	10.07.2011 10:56:21	38.50	10.07.2011 10:57:10	39.54	Y
9C5C00670148037	10.07.2011 11:06:08	10.07.2011 11:06:09	38.44	10.07.2011 11:06:09	38.44	10.07.2011 11:06:59	39.12	N
9C5C00670149037	10.07.2011 11:16:14	10.07.2011 11:16:15	38.83	10.07.2011 11:16:15	38.83	10.07.2011 11:17:06	38.79	N
9C5C00670150037	10.07.2011 11:25:46	10.07.2011 11:25:47	38.86	10.07.2011 11:25:47	38.86	10.07.2011 11:26:38	38.87	N
9C5C00670151037	10.07.2011 11:47:45	10.07.2011 11:47:46	37.56	10.07.2011 11:47:46	37.56	10.07.2011 11:48:34	38.64	Y
9C5C00670152037	10.07.2011 11:57:41	10.07.2011 11:57:42	37.99	10.07.2011 11:57:42	37.99	10.07.2011 11:58:32	38.49	N
9C5C00670153037	10.07.2011 12:07:51	10.07.2011 12:07:51	37.56	10.07.2011 12:07:51	37.56	10.07.2011 12:08:39	37.07	Y
9C5C00670154037	10.07.2011 12:17:25	10.07.2011 12:17:26	37.64	10.07.2011 12:17:26	37.64	10.07.2011 12:18:18	37.64	N
9C5C00670155037	10.07.2011 12:27:53	10.07.2011 12:27:54	39.89	10.07.2011 12:27:54	39.89	10.07.2011 12:28:43	39.39	N
9C5C00670156037	10.07.2011 12:37:35	10.07.2011 12:37:36	37.94	10.07.2011 12:37:36	37.94	10.07.2011 12:38:28	39.54	Y
9C5C00670157037	10.07.2011 12:47:22	10.07.2011 12:47:23	37.96	10.07.2011 12:47:23	37.96	10.07.2011 12:49:03	37.96	N
9C5C00670158037	10.07.2011 12:58:00	10.07.2011 12:58:01	39.94	10.07.2011 12:58:01	39.94	10.07.2011 12:58:50	39.21	N
9C5C00670159037	10.07.2011 13:07:12	10.07.2011 13:07:12	39.26	10.07.2011 13:07:12	39.26	10.07.2011 13:08:01	37.62	Y
9C5C00670160037	10.07.2011 13:17:32	10.07.2011 13:17:32	38.92	10.07.2011 13:17:32	38.92	10.07.2011 13:18:21	38.65	Y
9C5C00670161037	10.07.2011 13:27:33	10.07.2011 13:27:33	39.3	10.07.2011 13:27:33	39.30	10.07.2011 13:28:24	37.72	Y
9C5C00670162037	10.07.2011 13:37:44	10.07.2011 13:37:44	35.95	10.07.2011 13:37:44	35.95	10.07.2011 13:38:35	38.07	N
9C5C00670163037	10.07.2011 13:47:27	10.07.2011 13:47:28	38.13	10.07.2011 13:47:28	38.13	10.07.2011 13:48:16	39.85	N
9C5C00670164037	10.07.2011 13:57:49	10.07.2011 13:57:49	38.73	10.07.2011 13:57:49	38.73	10.07.2011 13:58:39	38.97	N
9C5C00670165037	10.07.2011 14:07:53	10.07.2011 14:07:53	37.6	10.07.2011 14:07:53	37.60	10.07.2011 14:08:41	39.08	N
9C5C00670166037	10.07.2011 14:29:33	10.07.2011 14:29:35	37.94	10.07.2011 14:29:35	37.94	10.07.2011 14:30:27	38.81	N
9C5C00670167037	10.07.2011 14:39:42	10.07.2011 14:39:43	38.5	10.07.2011 14:39:43	38.50	10.07.2011 14:40:35	37.69	Y
9C5C00670168037	10.07.2011 14:50:03	10.07.2011 14:51:44	36.77	10.07.2011 14:51:44	36.77	10.07.2011 14:52:34	39.14	Y
9C5C00670169037	10.07.2011 14:59:44	10.07.2011 14:59:45	38.13	10.07.2011 14:59:45	38.13	10.07.2011 15:00:37	39.11	Y
9C5C00670170037	10.07.2011 14:40:02	10.07.2011 14:40:03	38.49	10.07.2011 14:40:03	38.49	10.07.2011 14:40:54	39.13	Y
9C5C00670171037	10.07.2011 15:19:37	10.07.2011 15:19:39	37.31	10.07.2011 15:19:39	37.31	10.07.2011 15:20:30	37.26	N
9C5C00670172037	10.07.2011 15:29:46	10.07.2011 15:29:48	38.08	10.07.2011 15:29:48	38.08	10.07.2011 15:30:36	37.58	N
9C5C00670173037	10.07.2011 15:39:47	10.07.2011 15:41:27	38.79	10.07.2011 15:41:27	38.79	10.07.2011 15:42:20	38.26	N
9C5C00670174037	10.07.2011 15:50:01	10.07.2011 15:50:02	38.07	10.07.2011 15:50:02	38.07	10.07.2011 15:50:55	39.60	Y
9C5C00670175037	10.07.2011 15:59:32	10.07.2011 15:59:33	38.03	10.07.2011 15:59:33	38.03	10.07.2011 16:00:25	36.90	N
9C5C00670176037	10.07.2011 16:09:47	10.07.2011 16:09:48	39.15	10.07.2011 16:09:48	39.15	10.07.2011 16:10:38	37.87	N
9C5C00670177037	10.07.2011 16:19:55	10.07.2011 16:19:56	39.32	10.07.2011 16:19:56	39.32	10.07.2011 16:20:44	38.85	Y
9C5C00670178037	10.07.2011 16:29:21	10.07.2011 16:29:22	38.18	10.07.2011 16:29:22	38.18	10.07.2011 16:30:15	37.49	Y
9C5C00670179037	10.07.2011 16:40:00	10.07.2011 16:40:01	38.04	10.07.2011 16:40:01	38.04	10.07.2011 16:40:53	36.71	N
9C5C00670180037	10.07.2011 16:49:53	10.07.2011 16:49:54	37.59	10.07.2011 16:49:54	37.59	10.07.2011 16:50:46	39.08	N
9C5C00670181037	10.07.2011 17:11:33	10.07.2011 17:11:34	38.83	10.07.2011 17:11:34	38.83	10.07.2011 17:12:24	38.55	N
9C5C00670182037	10.07.2011 17:21:27	10.07.2011 17:21:28	38.98	10.07.2011 17:21:28	38.98	10.07.2011 17:22:16	39.27	N
9C5C00670183037	10.07.2011 17:31:30	10.07.2011 17:31:31	38.26	10.07.2011 17:31:31	38.26	10.07.2011 17:32:19	38.52	Y
9C5C00670184037	10.07.2011 17:41:40	10.07.2011 17:41:40	38.45	10.07.2011 17:41:40	38.45	10.07.2011 17:42:29	39.63	N
9C5C00670185037	10.07.2011 17:51:41	10.07.2011 17:51:42	39.14	10.07.2011 17:51:42	39.14	10.07.2011 17:52:31	37.82	N
9C5C00670186037	10.07.2011 18:01:42	10.07.2011 18:01:43	38.51	10.07.2011 18:01:43	38.51	10.07.2011 18:02:32	38.06	Y
9C5C00670187037	10.07.2011 18:11:32	10.07.2011 18:11:33	39.38	10.07.2011 18:11:33	39.38	10.07.2011 18:12:25	37.13	N
9C5C00670188037	10.07.2011 18:21:53	10.07.2011 18:21:54	38.3	10.07.2011 18:21:54	38.30	10.07.2011 18:22:46	37.63	N
9C5C00670189037	10.07.2011 17:11:49	10.07.2011 17:11:50	38.73	10.07.2011 17:11:50	38.73	10.07.2011 17:12:41	38.38	N

15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	LEOSAR Inter- ference (Y/N)
9C5C00670190037	10.07.2011 18:41:32	10.07.2011 18:42:24	27.45	10.07.2011 18:42:24	27.45	10.07.2011 18:44:02	26.94	Y
9C5C00670191037	10.07.2011 18:51:33	10.07.2011 18:53:16	27.44	10.07.2011 18:53:16	27.44	Not Produced		N
9C5C00670192037	10.07.2011 19:01:47	10.07.2011 19:02:37	27.49	10.07.2011 19:02:37	27.49	Not Produced		N
9C5C00670193037	10.07.2011 19:11:36	10.07.2011 19:16:39	27.04	10.07.2011 19:25:47	27.48	Not Produced		Y
9C5C00670194037	10.07.2011 19:21:24	10.07.2011 19:24:46	26.78	10.07.2011 19:24:46	26.78	10.07.2011 19:28:07	27.61	N
9C5C00670195037	10.07.2011 19:31:57	10.07.2011 19:34:25	27.31	10.07.2011 19:34:25	27.31	10.07.2011 19:37:45	28.80	N
9C5C00670196037	10.07.2011 19:53:37	10.07.2011 19:53:37	37.8	10.07.2011 19:53:37	37.80	10.07.2011 19:54:26	39.57	N
9C5C00670197037	10.07.2011 20:03:12	10.07.2011 20:03:12	38.28	10.07.2011 20:03:12	38.28	10.07.2011 20:04:04	37.44	N
9C5C00670198037	10.07.2011 20:13:34	10.07.2011 20:13:35	38.79	10.07.2011 20:13:35	38.79	10.07.2011 20:14:24	38.69	Y
9C5C00670199037	10.07.2011 20:23:33	10.07.2011 20:23:33	39.31	10.07.2011 20:23:33	39.31	10.07.2011 20:24:22	39.47	Y
9C5C00670200037	10.07.2011 20:33:14	10.07.2011 20:33:15	37.34	10.07.2011 20:33:15	37.34	10.07.2011 20:34:07	37.18	N
9C5C00670201037	10.07.2011 20:43:22	10.07.2011 20:43:23	40.53	10.07.2011 20:43:23	40.53	10.07.2011 20:44:13	39.07	N
9C5C00670202037	10.07.2011 20:53:36	10.07.2011 20:53:37	37.94	10.07.2011 20:53:37	37.94	10.07.2011 20:54:29	39.04	Y
9C5C00670203037	10.07.2011 21:03:39	10.07.2011 21:03:40	38.06	10.07.2011 21:03:40	38.06	10.07.2011 21:04:29	38.02	N
9C5C00670204037	10.07.2011 21:13:16	10.07.2011 21:13:17	39.07	10.07.2011 21:13:17	39.07	10.07.2011 21:14:07	38.54	N
9C5C00670205037	10.07.2011 21:23:13	10.07.2011 21:23:14	38.4	10.07.2011 21:23:14	38.40	10.07.2011 21:24:04	38.37	Y
9C5C00670206037	10.07.2011 21:33:35	10.07.2011 21:33:35	37.67	10.07.2011 21:33:35	37.67	10.07.2011 21:34:26	38.47	N
9C5C00670207037	10.07.2011 21:43:45	10.07.2011 21:43:46	38.78	10.07.2011 21:43:46	38.78	10.07.2011 21:44:38	40.86	N
9C5C00670208037	10.07.2011 20:03:59	10.07.2011 20:04:00	38.15	10.07.2011 20:04:00	38.15	10.07.2011 20:04:50	38.22	N
9C5C00670209037	10.07.2011 22:03:14	10.07.2011 22:03:15	39.26	10.07.2011 22:03:15	39.26	10.07.2011 22:04:07	37.99	Y
9C5C00670210037	10.07.2011 22:13:55	10.07.2011 22:13:55	33.84	10.07.2011 22:13:55	33.84	10.07.2011 22:14:43	35.49	N
9C5C00670211037	10.07.2011 22:35:47	10.07.2011 22:35:48	38.89	10.07.2011 22:35:48	38.89	10.07.2011 22:36:37	38.72	N
9C5C00670212037	10.07.2011 22:46:19	10.07.2011 22:46:20	38.81	10.07.2011 22:46:20	38.81	10.07.2011 22:47:10	38.29	N
9C5C00670213037	10.07.2011 22:56:17	10.07.2011 22:56:18	39.13	10.07.2011 22:56:18	39.13	10.07.2011 22:57:08	39.03	N
9C5C00670214037	10.07.2011 23:05:42	10.07.2011 23:05:43	38.38	10.07.2011 23:05:43	38.38	10.07.2011 23:06:35	38.92	Y
9C5C00670215037	10.07.2011 23:16:21	10.07.2011 23:16:21	37.79	10.07.2011 23:16:21	37.79	10.07.2011 23:17:10	39.10	N
9C5C00670216037	10.07.2011 23:25:39	10.07.2011 23:25:40	39.27	10.07.2011 23:25:40	39.27	10.07.2011 23:26:30	37.90	N
9C5C00670217037	10.07.2011 23:36:16	10.07.2011 23:36:17	38.9	10.07.2011 23:36:17	38.90	10.07.2011 23:37:09	39.97	N
9C5C00670218037	10.07.2011 23:46:13	10.07.2011 23:46:14	38.8	10.07.2011 23:46:14	38.80	10.07.2011 23:47:04	39.36	N
9C5C00670219037	10.07.2011 23:56:07	10.07.2011 23:56:08	39.27	10.07.2011 23:56:08	39.27	10.07.2011 23:56:58	38.19	Y
9C5C00670220037	11.07.2011 00:05:53	11.07.2011 00:05:54	40.45	11.07.2011 00:05:54	40.45	11.07.2011 00:06:42	38.76	N
9C5C00670221037	11.07.2011 00:16:21	11.07.2011 00:16:22	37.03	11.07.2011 00:16:22	37.03	11.07.2011 00:17:10	38.84	N
9C5C00670222037	11.07.2011 00:25:37	11.07.2011 00:25:38	39.11	11.07.2011 00:25:38	39.11	11.07.2011 00:26:29	38.21	N
9C5C00670223037	11.07.2011 00:35:54	11.07.2011 00:35:55	38.27	11.07.2011 00:35:55	38.27	11.07.2011 00:36:47	37.47	N
9C5C00670224037	11.07.2011 00:46:05	11.07.2011 00:46:06	37.96	11.07.2011 00:46:06	37.96	11.07.2011 00:47:46	39.01	N
9C5C00670225037	11.07.2011 00:55:34	11.07.2011 00:55:34	37.81	11.07.2011 00:55:34	37.81	11.07.2011 00:56:26	39.71	N
9C5C00670226037	11.07.2011 01:17:48	11.07.2011 01:18:38	38.44	11.07.2011 01:18:38	38.44	11.07.2011 01:19:30	38.58	N
9C5C00670227037	11.07.2011 01:17:58	11.07.2011 01:17:59	38.45	11.07.2011 01:17:59	38.45	11.07.2011 01:19:39	37.95	N
9C5C00670228037	11.07.2011 01:37:25	11.07.2011 01:37:27	36.91	11.07.2011 01:37:27	36.91	11.07.2011 01:38:15	38.13	Y
9C5C00670229037	11.07.2011 01:47:20	11.07.2011 01:47:21	34.61	11.07.2011 01:47:21	34.61	11.07.2011 01:48:13	34.94	Y
9C5C00670230037	11.07.2011 01:57:44	11.07.2011 01:58:34	32.38	11.07.2011 01:58:34	32.38	11.07.2011 01:59:26	35.68	N
9C5C00670231037	11.07.2011 02:07:09	11.07.2011 02:07:11	38.54	11.07.2011 02:07:11	38.54	11.07.2011 02:07:59	37.86	N
9C5C00670232037	11.07.2011 02:17:21	11.07.2011 02:17:22	38.04	11.07.2011 02:17:22	38.04	11.07.2011 02:18:10	37.85	N
9C5C00670233037	11.07.2011 02:27:46	11.07.2011 02:27:48	38.95	11.07.2011 02:27:48	38.95	11.07.2011 02:28:39	38.72	N
9C5C00670234037	11.07.2011 02:37:36	11.07.2011 02:37:37	38.67	11.07.2011 02:37:37	38.67	11.07.2011 02:39:15	38.21	N
9C5C00670235037	11.07.2011 02:47:29	11.07.2011 02:47:30	38.19	11.07.2011 02:47:30	38.19	11.07.2011 02:49:13	37.96	N

15 Hex Id Tx by Simulator	Time of First in Bcn Event	Time GEOLUT provided First Valid Msg	First Valid Msg C/No measured by GEOLUT dBHz	Time GEOLUT provided First Complete Msg	First Complete Msg C/No Measured by GEOLUT (dBHz)	Time GEOLUT Provided Confirmed Msg	Confirmed Complete Msg C/No Measured by GEOLUT (dBHz)	LEOSAR Inter- ference (Y/N)
9C5C00670236037	11.07.2011 02:57:34	11.07.2011 02:57:36	36.65	11.07.2011 02:57:36	36.65	11.07.2011 02:58:26	38.12	N
9C5C00670237037	11.07.2011 03:07:48	11.07.2011 03:07:50	37.8	11.07.2011 03:07:50	37.80	11.07.2011 03:08:37	37.31	N
9C5C00670238037	11.07.2011 03:17:14	11.07.2011 03:17:16	37.78	11.07.2011 03:17:16	37.78	11.07.2011 03:18:06	38.47	Y
9C5C00670239037	11.07.2011 03:27:52	11.07.2011 03:27:54	36.18	11.07.2011 03:27:54	36.18	11.07.2011 03:28:42	36.95	Y
9C5C00670240037	11.07.2011 03:37:52	11.07.2011 03:39:30	37.78	11.07.2011 03:39:30	37.78	11.07.2011 03:40:21	37.75	N
9C5C00670241037	11.07.2011 03:59:49	11.07.2011 03:59:49	37.97	11.07.2011 03:59:49	37.97	11.07.2011 04:01:28	39.04	N
9C5C00670242037	11.07.2011 04:09:46	11.07.2011 04:09:47	38.08	11.07.2011 04:09:47	38.08	11.07.2011 04:10:37	37.65	N
9C5C00670243037	11.07.2011 04:19:49	11.07.2011 04:23:09	35.68	11.07.2011 04:23:09	35.68	11.07.2011 04:23:59	37.82	N
9C5C00670244037	11.07.2011 04:29:23	11.07.2011 04:30:13	37.61	11.07.2011 04:30:13	37.61	11.07.2011 04:31:04	39.24	Y
9C5C00670245037	11.07.2011 04:39:37	11.07.2011 04:39:37	37.53	11.07.2011 04:39:37	37.53	11.07.2011 04:40:28	38.80	N
9C5C00670246037	11.07.2011 04:09:39	11.07.2011 04:09:40	39.16	11.07.2011 04:09:40	39.16	11.07.2011 04:10:29	36.75	N
9C5C00670247037	11.07.2011 05:00:02	11.07.2011 05:00:02	38.66	11.07.2011 05:00:02	38.66	11.07.2011 05:00:51	38.06	Y
9C5C00670248037	11.07.2011 05:09:24	11.07.2011 05:09:24	34.32	11.07.2011 05:09:24	34.32	11.07.2011 05:10:15	34.26	N
9C5C00670249037	11.07.2011 05:19:34	11.07.2011 05:19:34	39.19	11.07.2011 05:19:34	39.19	11.07.2011 05:20:26	38.48	N
9C5C00670250037	11.07.2011 05:29:15	11.07.2011 05:29:16	39.87	11.07.2011 05:29:16	39.87	11.07.2011 05:30:04	37.93	N
9C5C00670251037	11.07.2011 05:39:47	11.07.2011 05:39:48	37.56	11.07.2011 05:39:48	37.56	11.07.2011 05:40:39	38.47	N
9C5C00670252037	11.07.2011 05:49:42	11.07.2011 05:49:42	37	11.07.2011 05:49:42	37.00	11.07.2011 05:52:08	35.57	N
9C5C00670253037	11.07.2011 05:59:20	11.07.2011 05:59:21	37.31	11.07.2011 05:59:21	37.31	11.07.2011 06:00:09	36.72	N
9C5C00670254037	11.07.2011 06:09:47	11.07.2011 06:09:47	38.44	11.07.2011 06:09:47	38.44	11.07.2011 06:10:40	38.29	Y
9C5C00670255037	11.07.2011 06:19:39	11.07.2011 06:19:39	39.45	11.07.2011 06:19:39	39.45	11.07.2011 06:20:31	38.78	N
9C5C00670256037	11.07.2011 06:41:11	11.07.2011 06:41:12	36.4	11.07.2011 06:41:12	36.40	11.07.2011 06:42:03	37.40	Y
9C5C00670257037	11.07.2011 06:51:45	11.07.2011 06:51:46	38.28	11.07.2011 06:51:46	38.28	11.07.2011 06:52:35	37.71	N
9C5C00670258037	11.07.2011 07:01:27	11.07.2011 07:01:29	36.04	11.07.2011 07:01:29	36.04	11.07.2011 07:02:20	38.07	N
9C5C00670259037	11.07.2011 07:11:35	11.07.2011 07:13:16	37.29	11.07.2011 07:13:16	37.29	11.07.2011 07:14:06	36.11	N
9C5C00670260037	11.07.2011 07:21:20	11.07.2011 07:21:22	37.98	11.07.2011 07:21:22	37.98	11.07.2011 07:22:13	37.35	Y
9C5C00670261037	11.07.2011 07:31:25	11.07.2011 07:32:14	36.67	11.07.2011 07:32:14	36.67	11.07.2011 07:33:02	38.27	N
9C5C00670262037	11.07.2011 07:41:27	11.07.2011 07:41:29	37.89	11.07.2011 07:41:29	37.89	11.07.2011 07:42:17	37.35	N
9C5C00670263037	11.07.2011 07:51:30	11.07.2011 07:51:32	37.26	11.07.2011 07:51:32	37.26	11.07.2011 07:52:24	36.92	Y
9C5C00670264037	11.07.2011 08:01:10	11.07.2011 08:01:12	37.96	11.07.2011 08:01:12	37.96	11.07.2011 08:02:02	36.78	N
9C5C00670265037	11.07.2011 06:41:37	11.07.2011 06:41:39	37.32	11.07.2011 06:41:39	37.32	11.07.2011 06:42:29	37.60	Y
9C5C00670266037	11.07.2011 08:21:50	11.07.2011 08:21:52	37.21	11.07.2011 08:21:52	37.21	11.07.2011 08:22:43	36.53	Y
9C5C00670267037	11.07.2011 08:31:41	11.07.2011 08:31:42	37.95	11.07.2011 08:31:42	37.95	11.07.2011 08:34:11	34.14	Y
9C5C00670268037	11.07.2011 08:41:53	11.07.2011 08:41:54	37.78	11.07.2011 08:41:54	37.78	11.07.2011 08:42:44	36.10	N
9C5C00670269037	11.07.2011 08:51:49	11.07.2011 08:51:50	36.75	11.07.2011 08:51:50	36.75	11.07.2011 08:52:40	37.21	N
9C5C00670270037	11.07.2011 09:01:15	11.07.2011 09:01:17	36.96	11.07.2011 09:01:17	36.96	11.07.2011 09:02:07	37.38	Y
9C5C00670271037	11.07.2011 09:22:45	11.07.2011 09:22:45	37.81	11.07.2011 09:22:45	37.81	11.07.2011 09:23:37	37.67	N
9C5C00670272037	11.07.2011 09:33:27	11.07.2011 09:33:28	38.03	11.07.2011 09:33:28	38.03	11.07.2011 09:34:20	39.17	Y

ANNEX D**GEOLUT DATA COLLECTED FOR OBJECTIVE T-9****D.1 Introduction**

This annex provides a description of the data recorded for test T-9 (Electro coverage), for the test using beacon events of opportunity.

The table below contains data collected to test T-9. All times are in GMT+3.

Block location		Number of LEOSAR beacon Events	Number Detected by GEOLUT	% Detected By GEOLUT
Longitude	Latitude			
0w/10w	0n/10n	3	0	0
10w/20w	0n/10n	2	0	0
20w/30w	0n/10n	1	1	100
30w/40w	0n/10n	0	0	0
40w/50w	0n/10n	0	0	0
50w/60w	0n/10n	1	1	100
60w/70w	0n/10n	0	0	0
70w/80w	0n/10n	1	0	0
0e/10e	0n/10n	15	3	20
10e/20e	0n/10n	0	0	0
20e/30e	0n/10n	6	2	33.33
30e/40e	0n/10n	2	1	50
40e/50e	0n/10n	1	0	0
50e/60e	0n/10n	1	0	0
60e/70e	0n/10n	0	0	0
70e/80e	0n/10n	0	0	0
0w/10w	0s/10s	0	0	0
10w/20w	0s/10s	1	0	0
20w/30w	0s/10s	0	0	0
30w/40w	0s/10s	2	2	100
40w/50w	0s/10s	0	0	0
50w/60w	0s/10s	0	0	0
60w/70w	0s/10s	0	0	0
70w/80w	0s/10s	1	0	0
0e/10e	0s/10s	0	0	0
10e/20e	0s/10s	0	0	0
20e/30e	0s/10s	0	0	0
30e/40e	0s/10s	3	3	100
40e/50e	0s/10s	1	0	0
50e/60e	0s/10s	0	0	0
60e/70e	0s/10s	2	0	0
70e/80e	0s/10s	2	2	100
0w/10w	10n/20n	1	1	100
10w/20w	10n/20n	0	0	0
20w/30w	10n/20n	0	0	0

30w/40w	10n/20n	0	0	0
40w/50w	10n/20n	1	1	100
50w/60w	10n/20n	1	1	100
60w/70w	10n/20n	2	2	100
70w/80w	10n/20n	5	2	40
0e/10e	10n/20n	5	2	40
10e/20e	10n/20n	2	0	0
20e/30e	10n/20n	1	0	0
30e/40e	10n/20n	3	2	66.67
40e/50e	10n/20n	0	0	0
50e/60e	10n/20n	0	0	0
60e/70e	10n/20n	0	0	0
70e/80e	10n/20n	0	0	0
0w/10w	10s/20s	1	0	0
10w/20w	10s/20s	0	0	0
20w/30w	10s/20s	0	0	0
30w/40w	10s/20s	0	0	0
40w/50w	10s/20s	0	0	0
50w/60w	10s/20s	0	0	0
60w/70w	10s/20s	0	0	0
70w/80w	10s/20s	0	0	0
0e/10e	10s/20s	1	0	0
10e/20e	10s/20s	0	0	0
20e/30e	10s/20s	0	0	0
30e/40e	10s/20s	0	0	0
40e/50e	10s/20s	0	0	0
50e/60e	10s/20s	1	1	100
60e/70e	10s/20s	2	2	100
70e/80e	10s/20s	1	0	0
0w/10w	20n/30n	0	0	0
10w/20w	20n/30n	1	0	0
20w/30w	20n/30n	0	0	0
30w/40w	20n/30n	0	0	0
40w/50w	20n/30n	1	1	100
50w/60w	20n/30n	2	1	50
60w/70w	20n/30n	2	1	50
70w/80w	20n/30n	4	2	50
0e/10e	20n/30n	3	1	33.33
10e/20e	20n/30n	6	5	83.33
20e/30e	20n/30n	0	0	0
30e/40e	20n/30n	4	1	25
40e/50e	20n/30n	4	2	50
50e/60e	20n/30n	0	0	0
60e/70e	20n/30n	0	0	0
70e/80e	20n/30n	1	0	0
0w/10w	20s/30s	0	0	0
10w/20w	20s/30s	0	0	0
20w/30w	20s/30s	0	0	0
30w/40w	20s/30s	2	2	100
40w/50w	20s/30s	0	0	0
50w/60w	20s/30s	0	0	0
60w/70w	20s/30s	0	0	0

70w/80w	20s/30s	1	0	0
0e/10e	20s/30s	0	0	0
10e/20e	20s/30s	0	0	0
20e/30e	20s/30s	0	0	0
30e/40e	20s/30s	0	0	0
40e/50e	20s/30s	1	1	100
50e/60e	20s/30s	1	1	100
60e/70e	20s/30s	0	0	0
70e/80e	20s/30s	0	0	0
0w/10w	30n/40n	8	1	12.5
10w/20w	30n/40n	1	0	0
20w/30w	30n/40n	3	1	33.33
30w/40w	30n/40n	14	5	35.71
40w/50w	30n/40n	9	3	33.33
50w/60w	30n/40n	1	0	0
60w/70w	30n/40n	4	2	50
70w/80w	30n/40n	4	1	25
0e/10e	30n/40n	1	0	0
10e/20e	30n/40n	1	1	100
20e/30e	30n/40n	0	0	0
30e/40e	30n/40n	1	1	100
40e/50e	30n/40n	5	3	60
50e/60e	30n/40n	7	3	42.86
60e/70e	30n/40n	1	0	0
70e/80e	30n/40n	0	0	0
0w/10w	30s/40s	0	0	0
10w/20w	30s/40s	0	0	0
20w/30w	30s/40s	1	1	100
30w/40w	30s/40s	0	0	0
40w/50w	30s/40s	0	0	0
50w/60w	30s/40s	0	0	0
60w/70w	30s/40s	0	0	0
70w/80w	30s/40s	0	0	0
0e/10e	30s/40s	0	0	0
10e/20e	30s/40s	0	0	0
20e/30e	30s/40s	0	0	0
30e/40e	30s/40s	6	4	66.67
40e/50e	30s/40s	1	0	0
50e/60e	30s/40s	0	0	0
60e/70e	30s/40s	1	0	0
70e/80e	30s/40s	3	2	66.67
0w/10w	40n/50n	11	2	18.18
10w/20w	40n/50n	14	4	28.57
20w/30w	40n/50n	3	2	66.67
30w/40w	40n/50n	42	42	100
40w/50w	40n/50n	4	4	100
50w/60w	40n/50n	0	0	0
60w/70w	40n/50n	2	1	50
70w/80w	40n/50n	1	0	0
0e/10e	40n/50n	0	0	0
10e/20e	40n/50n	0	0	0
20e/30e	40n/50n	1	0	0

30e/40e	40n/50n	0	0	0
40e/50e	40n/50n	0	0	0
50e/60e	40n/50n	0	0	0
60e/70e	40n/50n	0	0	0
70e/80e	40n/50n	0	0	0
0w/10w	40s/50s	0	0	0
10w/20w	40s/50s	0	0	0
20w/30w	40s/50s	0	0	0
30w/40w	40s/50s	0	0	0
40w/50w	40s/50s	0	0	0
50w/60w	40s/50s	0	0	0
60w/70w	40s/50s	0	0	0
70w/80w	40s/50s	0	0	0
0e/10e	40s/50s	0	0	0
10e/20e	40s/50s	0	0	0
20e/30e	40s/50s	0	0	0
30e/40e	40s/50s	0	0	0
40e/50e	40s/50s	0	0	0
50e/60e	40s/50s	0	0	0
60e/70e	40s/50s	0	0	0
70e/80e	40s/50s	0	0	0
0w/10w	50n/60n	15	4	26.67
10w/20w	50n/60n	2	1	50
20w/30w	50n/60n	4	2	50
30w/40w	50n/60n	0	0	0
40w/50w	50n/60n	4	2	50
50w/60w	50n/60n	1	1	100
60w/70w	50n/60n	0	0	0
70w/80w	50n/60n	0	0	0
0e/10e	50n/60n	0	0	0
10e/20e	50n/60n	0	0	0
20e/30e	50n/60n	2	0	0
30e/40e	50n/60n	2	2	100
40e/50e	50n/60n	0	0	0
50e/60e	50n/60n	0	0	0
60e/70e	50n/60n	0	0	0
70e/80e	50n/60n	0	0	0
0w/10w	50s/60s	1	0	0
10w/20w	50s/60s	0	0	0
20w/30w	50s/60s	0	0	0
30w/40w	50s/60s	0	0	0
40w/50w	50s/60s	0	0	0
50w/60w	50s/60s	0	0	0
60w/70w	50s/60s	0	0	0
70w/80w	50s/60s	0	0	0
0e/10e	50s/60s	0	0	0
10e/20e	50s/60s	0	0	0
20e/30e	50s/60s	1	0	0
30e/40e	50s/60s	0	0	0
40e/50e	50s/60s	0	0	0
50e/60e	50s/60s	0	0	0
60e/70e	50s/60s	0	0	0

70e/80e	50s/60s	0	0	0
0w/10w	60n/70n	2	0	0
10w/20w	60n/70n	0	0	0
20w/30w	60n/70n	0	0	0
30w/40w	60n/70n	1	0	0
40w/50w	60n/70n	1	1	100
50w/60w	60n/70n	1	0	0
60w/70w	60n/70n	0	0	0
70w/80w	60n/70n	1	0	0
0e/10e	60n/70n	1	1	100
10e/20e	60n/70n	1	1	100
20e/30e	60n/70n	0	0	0
30e/40e	60n/70n	0	0	0
40e/50e	60n/70n	1	1	100
50e/60e	60n/70n	0	0	0
60e/70e	60n/70n	0	0	0
70e/80e	60n/70n	0	0	0
0w/10w	60s/70s	0	0	0
10w/20w	60s/70s	0	0	0
20w/30w	60s/70s	0	0	0
30w/40w	60s/70s	0	0	0
40w/50w	60s/70s	0	0	0
50w/60w	60s/70s	0	0	0
60w/70w	60s/70s	0	0	0
70w/80w	60s/70s	0	0	0
0e/10e	60s/70s	0	0	0
10e/20e	60s/70s	0	0	0
20e/30e	60s/70s	0	0	0
30e/40e	60s/70s	0	0	0
40e/50e	60s/70s	0	0	0
50e/60e	60s/70s	0	0	0
60e/70e	60s/70s	0	0	0
70e/80e	60s/70s	0	0	0
0w/10w	70n/80n	0	0	0
10w/20w	70n/80n	0	0	0
20w/30w	70n/80n	0	0	0
30w/40w	70n/80n	0	0	0
40w/50w	70n/80n	0	0	0
50w/60w	70n/80n	0	0	0
60w/70w	70n/80n	0	0	0
70w/80w	70n/80n	0	0	0
0e/10e	70n/80n	0	0	0
10e/20e	70n/80n	0	0	0
20e/30e	70n/80n	1	1	100
30e/40e	70n/80n	1	0	0
40e/50e	70n/80n	0	0	0
50e/60e	70n/80n	0	0	0
60e/70e	70n/80n	0	0	0
70e/80e	70n/80n	0	0	0
0w/10w	70s/80s	0	0	0
10w/20w	70s/80s	0	0	0
20w/30w	70s/80s	0	0	0

30w/40w	70s/80s	0	0	0
40w/50w	70s/80s	0	0	0
50w/60w	70s/80s	0	0	0
60w/70w	70s/80s	0	0	0
70w/80w	70s/80s	0	0	0
0e/10e	70s/80s	0	0	0
10e/20e	70s/80s	0	0	0
20e/30e	70s/80s	0	0	0
30e/40e	70s/80s	0	0	0
40e/50e	70s/80s	0	0	0
50e/60e	70s/80s	0	0	0
60e/70e	70s/80s	0	0	0
70e/80e	70s/80s	0	0	0

– END OF ANNEX D –

ANNEX E**GEOLOT NETWORK PERFORMANCE DATA FOR OBJECTIVE T-7****E.1 Introduction**

This annex provides the consolidation of the data recorded by each participant during T-6 objective. For each beacon event the earliest time that any of the GEOLUTs produced a valid message and the earliest that any of the GEOLUTs produced a confirmed complete message is provided.

The table below combines information data collected from Moscow (RUGEO) and Ankara (TRGEO) GEOLUTs. Each row in this table represents a single beacon event. Time synchronization accuracy is 2 seconds. All times are in GMT+3.

Beacon ID	Time to Produce Valid Msg	GEOLUT which Produced Valid Msg	Time to Produce Confirmed Complete Msg	GEOLUT which Produced Confirmed Complete Msg
9C5C00670001037	09.07.2011 09:00:44	both	09.07.2011 09:01:32	both
9C5C00670002037	09.07.2011 09:10:28	both	09.07.2011 09:11:17	both
9C5C00670003037	09.07.2011 09:20:45	both	09.07.2011 09:21:37	both
9C5C00670004037	09.07.2011 09:30:04	both	09.07.2011 09:30:54	RUGEO
9C5C00670005037	09.07.2011 09:40:30	both	09.07.2011 09:41:22	both
9C5C00670006037	09.07.2011 09:50:46	both	09.07.2011 09:51:36	RUGEO
9C5C00670007037	09.07.2011 10:00:23	both	09.07.2011 10:01:12	both
9C5C00670008037	09.07.2011 10:10:36	both	09.07.2011 10:11:24	both
9C5C00670009037	09.07.2011 10:20:06	both	09.07.2011 10:20:55	both
9C5C00670010037	09.07.2011 10:30:17	both	09.07.2011 10:31:09	both
9C5C00670011037	09.07.2011 10:40:27	both	09.07.2011 10:41:19	RUGEO
9C5C00670012037	09.07.2011 10:50:35	both	09.07.2011 10:51:23	RUGEO
9C5C00670013037	09.07.2011 11:00:34	both	09.07.2011 11:01:21	both
9C5C00670014037	09.07.2011 11:10:19	both	09.07.2011 11:11:08	RUGEO
9C5C00670015037	09.07.2011 11:20:25	both	09.07.2011 11:21:16	RUGEO
9C5C00670016037	09.07.2011 11:42:37	both	09.07.2011 11:43:26	both
9C5C00670017037	09.07.2011 11:52:10	both	09.07.2011 11:52:58	RUGEO
9C5C00670018037	09.07.2011 11:52:04	both	09.07.2011 11:52:55	both
9C5C00670019037	09.07.2011 12:12:39	both	09.07.2011 12:13:27	RUGEO
9C5C00670020037	09.07.2011 12:22:08	both	09.07.2011 12:22:58	both
9C5C00670021037	09.07.2011 12:32:14	TRGEO	09.07.2011 12:33:51	both
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9C5C00670023037	09.07.2011 12:52:26	both	09.07.2011 12:53:18	RUGEO
9C5C00670024037	09.07.2011 13:01:58	both	09.07.2011 13:02:46	RUGEO
9C5C00670025037	09.07.2011 13:12:00	both	09.07.2011 13:12:48	RUGEO
9C5C00670026037	09.07.2011 13:22:37	both	09.07.2011 13:23:26	RUGEO
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9C5C00670028037	09.07.2011 13:42:13	both	09.07.2011 13:43:02	both
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9C5C00670031037	09.07.2011 14:24:35	both	09.07.2011 14:25:25	both
9C5C00670032037	09.07.2011 14:34:30	both	09.07.2011 14:35:21	both
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9C5C00670034037	09.07.2011 14:54:46	both	09.07.2011 14:55:36	RUGEO
9C5C00670035037	09.07.2011 15:04:31	both	09.07.2011 15:05:21	RUGEO
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9C5C00670039037	09.07.2011 15:44:07	both	09.07.2011 15:44:57	both
9C5C00670040037	09.07.2011 15:54:12	both	09.07.2011 15:55:02	both

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9C5C00670042037	09.07.2011 16:14:08	both	09.07.2011 16:14:57	RUGEO
9C5C00670043037	09.07.2011 16:24:34	both	09.07.2011 16:25:22	both
9C5C00670044037	09.07.2011 16:34:43	both	09.07.2011 16:35:32	RUGEO
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9C5C00670046037	09.07.2011 17:06:20	both	09.07.2011 17:07:09	both
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9C5C00670048037	09.07.2011 17:26:47	both	09.07.2011 17:27:36	both
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9C5C00670053037	09.07.2011 18:16:29	both	09.07.2011 18:17:17	RUGEO
9C5C00670054037	09.07.2011 18:26:36	both	09.07.2011 18:27:26	both
9C5C00670055037	09.07.2011 18:36:07	both	09.07.2011 18:36:58	RUGEO
9C5C00670056037	09.07.2011 17:16:39	both	09.07.2011 17:17:30	both
9C5C00670057037	09.07.2011 18:56:46	both	09.07.2011 18:57:38	RUGEO
9C5C00670058037	09.07.2011 19:06:19	both	09.07.2011 19:07:09	both
9C5C00670059037	09.07.2011 19:16:24	both	09.07.2011 19:17:12	RUGEO
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9C5C00670062037	09.07.2011 19:57:28	both	09.07.2011 19:58:19	RUGEO
9C5C00670063037	09.07.2011 20:07:38	both	09.07.2011 20:08:27	both
9C5C00670064037	09.07.2011 20:17:54	both	09.07.2011 20:18:45	RUGEO
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9C5C00670074037	09.07.2011 21:57:46	both	09.07.2011 21:58:38	RUGEO
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9C5C00670076037	09.07.2011 22:19:57	both	09.07.2011 22:20:46	RUGEO
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9C5C00670083037	09.07.2011 23:29:48	both	09.07.2011 23:30:37	both
9C5C00670084037	09.07.2011 23:39:49	TRGEO	09.07.2011 23:41:28	TRGEO
9C5C00670085037	09.07.2011 23:49:40	both	09.07.2011 23:50:30	both
9C5C00670086037	09.07.2011 23:59:37	both	10.07.2011 00:00:25	RUGEO
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9C5C00670088037	10.07.2011 00:19:38	both	10.07.2011 00:20:29	both
9C5C00670089037	10.07.2011 00:30:08	both	10.07.2011 00:30:57	RUGEO
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9C5C00670092037	10.07.2011 01:10:55	both	10.07.2011 01:11:44	both
9C5C00670093037	10.07.2011 01:21:11	both	10.07.2011 01:22:02	both
9C5C00670094037	10.07.2011 01:11:18	both	10.07.2011 01:12:08	both
9C5C00670095037	10.07.2011 01:40:52	both	10.07.2011 01:41:42	RUGEO
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9C5C00670097037	10.07.2011 02:01:33	both	10.07.2011 02:03:11	both
9C5C00670098037	10.07.2011 02:10:48	both	10.07.2011 02:11:36	both
9C5C00670099037	10.07.2011 02:21:30	both	10.07.2011 02:22:19	both

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9C5C00670104037	10.07.2011 03:10:46	both	10.07.2011 03:11:38	RUGEO
9C5C00670105037	10.07.2011 03:21:09	both	10.07.2011 03:22:01	RUGEO
9C5C00670106037	10.07.2011 03:42:44	both	10.07.2011 03:43:34	RUGEO
9C5C00670107037	10.07.2011 03:53:21	both	10.07.2011 03:54:12	RUGEO
9C5C00670108037	10.07.2011 04:02:58	both	10.07.2011 04:03:48	RUGEO
9C5C00670109037	10.07.2011 04:12:52	both	10.07.2011 04:13:41	RUGEO
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9C5C00670116037	10.07.2011 05:23:04	both	10.07.2011 05:23:55	RUGEO
9C5C00670117037	10.07.2011 05:32:57	both	10.07.2011 05:33:46	RUGEO
9C5C00670118037	10.07.2011 05:42:35	both	10.07.2011 05:43:25	RUGEO
9C5C00670119037	10.07.2011 05:52:38	both	10.07.2011 05:53:26	RUGEO
9C5C00670120037	10.07.2011 06:02:37	both	10.07.2011 06:03:27	both
9C5C00670121037	10.07.2011 06:24:22	both	10.07.2011 06:25:12	RUGEO
9C5C00670122037	10.07.2011 06:34:20	both	10.07.2011 06:35:11	RUGEO
9C5C00670123037	10.07.2011 06:44:35	both	10.07.2011 06:45:23	RUGEO
9C5C00670124037	10.07.2011 06:54:34	both	10.07.2011 06:55:22	RUGEO
9C5C00670125037	10.07.2011 07:04:42	both	10.07.2011 07:05:35	RUGEO
9C5C00670126037	10.07.2011 07:14:45	both	10.07.2011 07:15:33	RUGEO
9C5C00670127037	10.07.2011 07:24:18	both	10.07.2011 07:25:08	both
9C5C00670128037	10.07.2011 07:34:28	both	10.07.2011 07:35:18	both
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9C5C00670133037	10.07.2011 08:24:40	both	10.07.2011 08:25:30	both
9C5C00670134037	10.07.2011 08:34:12	both	10.07.2011 08:35:04	RUGEO
9C5C00670135037	10.07.2011 08:44:13	both	10.07.2011 08:45:05	RUGEO
9C5C00670136037	10.07.2011 09:05:59	both	10.07.2011 09:06:50	RUGEO
9C5C00670137037	10.07.2011 09:15:59	both	10.07.2011 09:16:47	both
9C5C00670138037	10.07.2011 09:25:41	both	10.07.2011 09:26:32	both
9C5C00670139037	10.07.2011 09:35:59	both	10.07.2011 09:36:48	RUGEO
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9C5C00670141037	10.07.2011 09:56:11	both	10.07.2011 09:56:59	RUGEO
9C5C00670142037	10.07.2011 10:05:48	both	10.07.2011 10:06:39	RUGEO
9C5C00670143037	10.07.2011 10:16:13	both	10.07.2011 10:17:04	RUGEO
9C5C00670144037	10.07.2011 10:25:56	both	10.07.2011 10:26:47	both
9C5C00670145037	10.07.2011 10:36:02	both	10.07.2011 10:36:51	RUGEO
9C5C00670146037	10.07.2011 10:46:10	both	10.07.2011 10:46:58	both
9C5C00670147037	10.07.2011 10:56:21	both	10.07.2011 10:57:10	RUGEO
9C5C00670148037	10.07.2011 11:06:09	both	10.07.2011 11:06:59	RUGEO
9C5C00670149037	10.07.2011 11:16:15	both	10.07.2011 11:17:06	RUGEO
9C5C00670150037	10.07.2011 11:25:47	both	10.07.2011 11:26:38	RUGEO
9C5C00670151037	10.07.2011 11:47:46	both	10.07.2011 11:48:34	RUGEO
9C5C00670152037	10.07.2011 11:57:42	both	10.07.2011 11:58:32	RUGEO
9C5C00670153037	10.07.2011 12:07:51	both	10.07.2011 12:08:39	RUGEO
9C5C00670154037	10.07.2011 12:17:26	both	10.07.2011 12:18:18	RUGEO
9C5C00670155037	10.07.2011 12:27:54	both	10.07.2011 12:28:43	RUGEO
9C5C00670156037	10.07.2011 12:37:36	both	10.07.2011 12:38:28	RUGEO
9C5C00670157037	10.07.2011 12:47:23	both	10.07.2011 12:48:12	TRGEO
9C5C00670158037	10.07.2011 12:58:01	both	10.07.2011 12:58:50	RUGEO

9C5C00670159037	10.07.2011 13:07:12	both	10.07.2011 13:08:01	RUGEO
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9C5C00670162037	10.07.2011 13:37:44	both	10.07.2011 13:38:35	RUGEO
9C5C00670163037	10.07.2011 13:47:28	both	10.07.2011 13:48:16	RUGEO
9C5C00670164037	10.07.2011 13:57:49	both	10.07.2011 13:58:39	RUGEO
9C5C00670165037	10.07.2011 14:07:53	both	10.07.2011 14:08:41	both
9C5C00670166037	10.07.2011 14:29:35	both	10.07.2011 14:30:27	RUGEO
9C5C00670167037	10.07.2011 14:39:43	both	10.07.2011 14:40:35	both
9C5C00670168037	10.07.2011 14:50:06	TRGEO	10.07.2011 14:51:46	TRGEO
9C5C00670169037	10.07.2011 14:59:45	both	10.07.2011 15:00:37	RUGEO
9C5C00670170037	10.07.2011 14:40:03	both	10.07.2011 14:40:54	both
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9C5C00670172037	10.07.2011 15:29:48	both	10.07.2011 15:30:36	RUGEO
9C5C00670173037	10.07.2011 15:39:49	TRGEO	10.07.2011 15:40:38	TRGEO
9C5C00670174037	10.07.2011 15:50:02	both	10.07.2011 15:50:55	RUGEO
9C5C00670175037	10.07.2011 15:59:33	both	10.07.2011 16:00:25	RUGEO
9C5C00670176037	10.07.2011 16:09:48	both	10.07.2011 16:10:38	both
9C5C00670177037	10.07.2011 16:19:56	both	10.07.2011 16:20:44	both
9C5C00670178037	10.07.2011 16:29:22	both	10.07.2011 16:30:15	RUGEO
9C5C00670179037	10.07.2011 16:40:01	both	10.07.2011 16:40:53	RUGEO
9C5C00670180037	10.07.2011 16:49:54	both	10.07.2011 16:50:46	RUGEO
9C5C00670181037	10.07.2011 17:11:34	both	10.07.2011 17:12:24	both
9C5C00670182037	10.07.2011 17:21:28	both	10.07.2011 17:22:16	both
9C5C00670183037	10.07.2011 17:31:31	both	10.07.2011 17:32:19	both
9C5C00670184037	10.07.2011 17:41:40	both	10.07.2011 17:42:29	RUGEO
9C5C00670185037	10.07.2011 17:51:42	both	10.07.2011 17:52:31	RUGEO
9C5C00670186037	10.07.2011 18:01:43	both	10.07.2011 18:02:32	RUGEO
9C5C00670187037	10.07.2011 18:11:33	both	10.07.2011 18:12:25	both
9C5C00670188037	10.07.2011 18:21:54	both	10.07.2011 18:21:56	TRGEO
9C5C00670189037	10.07.2011 17:11:50	both	10.07.2011 17:12:41	RUGEO
9C5C00670190037	10.07.2011 18:41:34	TRGEO	10.07.2011 18:41:34	TRGEO
9C5C00670191037	10.07.2011 18:53:16	RUGEO	None	None
9C5C00670192037	10.07.2011 19:02:37	RUGEO	None	None
9C5C00670193037	10.07.2011 19:16:39	RUGEO	None	None
9C5C00670194037	10.07.2011 19:21:26	TRGEO	10.07.2011 19:21:26	TRGEO
9C5C00670195037	10.07.2011 19:31:59	TRGEO	10.07.2011 19:37:45	RUGEO
9C5C00670196037	10.07.2011 19:53:37	both	10.07.2011 19:54:26	both
9C5C00670197037	10.07.2011 20:03:12	both	10.07.2011 20:04:04	RUGEO
9C5C00670198037	10.07.2011 20:13:35	both	10.07.2011 20:14:24	RUGEO
9C5C00670199037	10.07.2011 20:23:33	both	10.07.2011 20:24:22	RUGEO
9C5C00670200037	10.07.2011 20:33:15	both	10.07.2011 20:34:07	RUGEO
9C5C00670201037	10.07.2011 20:43:23	both	10.07.2011 20:44:13	both
9C5C00670202037	10.07.2011 20:53:37	both	10.07.2011 20:54:29	RUGEO
9C5C00670203037	10.07.2011 21:03:40	both	10.07.2011 21:04:29	both
9C5C00670204037	10.07.2011 21:13:17	both	10.07.2011 21:14:07	both
9C5C00670205037	10.07.2011 21:23:14	both	10.07.2011 21:24:04	RUGEO
9C5C00670206037	10.07.2011 21:33:35	both	10.07.2011 21:34:26	RUGEO
9C5C00670207037	10.07.2011 21:43:46	both	10.07.2011 21:44:38	both
9C5C00670208037	10.07.2011 20:04:00	both	10.07.2011 20:04:50	RUGEO
9C5C00670209037	10.07.2011 22:03:15	both	10.07.2011 22:04:07	both
9C5C00670210037	10.07.2011 22:13:55	both	10.07.2011 22:14:43	RUGEO
9C5C00670211037	10.07.2011 22:35:48	both	10.07.2011 22:36:37	RUGEO
9C5C00670212037	10.07.2011 22:46:20	both	10.07.2011 22:47:10	both
9C5C00670213037	10.07.2011 22:56:18	both	10.07.2011 22:57:08	RUGEO
9C5C00670214037	10.07.2011 23:05:43	both	10.07.2011 23:06:35	RUGEO
9C5C00670215037	10.07.2011 23:16:21	both	10.07.2011 23:17:10	both
9C5C00670216037	10.07.2011 23:25:40	both	10.07.2011 23:26:30	both

9C5C00670217037	10.07.2011 23:36:17	both	10.07.2011 23:37:09	both
9C5C00670218037	10.07.2011 23:46:14	both	10.07.2011 23:47:04	RUGEO
9C5C00670219037	10.07.2011 23:56:08	both	10.07.2011 23:56:58	both
9C5C00670220037	11.07.2011 00:05:54	both	11.07.2011 00:06:42	RUGEO
9C5C00670221037	11.07.2011 00:16:22	both	11.07.2011 00:17:10	RUGEO
9C5C00670222037	11.07.2011 00:25:38	both	11.07.2011 00:26:29	both
9C5C00670223037	11.07.2011 00:35:55	both	11.07.2011 00:36:47	RUGEO
9C5C00670224037	11.07.2011 00:46:06	both	11.07.2011 00:47:46	RUGEO
9C5C00670225037	11.07.2011 00:55:34	both	11.07.2011 00:56:26	RUGEO
9C5C00670226037	11.07.2011 01:17:51	TRGEO	11.07.2011 01:19:30	RUGEO
9C5C00670227037	11.07.2011 01:17:59	both	11.07.2011 01:18:52	TRGEO
9C5C00670228037	11.07.2011 01:37:27	both	11.07.2011 01:38:15	RUGEO
9C5C00670229037	11.07.2011 01:47:21	both	11.07.2011 01:48:13	both
9C5C00670230037	11.07.2011 01:57:46	TRGEO	11.07.2011 01:59:26	RUGEO
9C5C00670231037	11.07.2011 02:07:11	both	11.07.2011 02:07:59	both
9C5C00670232037	11.07.2011 02:17:22	both	11.07.2011 02:18:10	both
9C5C00670233037	11.07.2011 02:27:48	both	11.07.2011 02:28:39	RUGEO
9C5C00670234037	11.07.2011 02:37:37	both	11.07.2011 02:39:15	RUGEO
9C5C00670235037	11.07.2011 02:47:30	both	11.07.2011 02:49:13	RUGEO
9C5C00670236037	11.07.2011 02:57:36	both	11.07.2011 02:58:26	both
9C5C00670237037	11.07.2011 03:07:50	both	11.07.2011 03:08:37	both
9C5C00670238037	11.07.2011 03:17:16	both	11.07.2011 03:18:06	RUGEO
9C5C00670239037	11.07.2011 03:27:54	both	11.07.2011 03:28:42	RUGEO
9C5C00670240037	11.07.2011 03:37:55	TRGEO	11.07.2011 03:40:21	RUGEO
9C5C00670241037	11.07.2011 03:59:49	both	11.07.2011 04:01:28	RUGEO
9C5C00670242037	11.07.2011 04:09:47	both	11.07.2011 04:10:37	both
9C5C00670243037	11.07.2011 04:19:51	TRGEO	11.07.2011 04:21:30	TRGEO
9C5C00670244037	11.07.2011 04:29:25	TRGEO	11.07.2011 04:30:14	TRGEO
9C5C00670245037	11.07.2011 04:39:37	both	11.07.2011 04:40:28	RUGEO
9C5C00670246037	11.07.2011 04:09:40	both	11.07.2011 04:10:29	RUGEO
9C5C00670247037	11.07.2011 05:00:02	both	11.07.2011 05:00:51	RUGEO
9C5C00670248037	11.07.2011 05:09:24	both	11.07.2011 05:10:15	RUGEO
9C5C00670249037	11.07.2011 05:19:34	both	11.07.2011 05:20:26	both
9C5C00670250037	11.07.2011 05:29:16	both	11.07.2011 05:30:04	both
9C5C00670251037	11.07.2011 05:39:48	both	11.07.2011 05:40:39	RUGEO
9C5C00670252037	11.07.2011 05:49:42	both	11.07.2011 05:52:08	RUGEO
9C5C00670253037	11.07.2011 05:59:21	both	11.07.2011 06:00:09	both
9C5C00670254037	11.07.2011 06:09:47	both	11.07.2011 06:10:40	RUGEO
9C5C00670255037	11.07.2011 06:19:39	both	11.07.2011 06:20:31	RUGEO
9C5C00670256037	11.07.2011 06:41:12	both	11.07.2011 06:42:03	both
9C5C00670257037	11.07.2011 06:51:46	both	11.07.2011 06:52:35	RUGEO
9C5C00670258037	11.07.2011 07:01:29	both	11.07.2011 07:02:20	RUGEO
9C5C00670259037	11.07.2011 07:11:38	TRGEO	11.07.2011 07:12:27	TRGEO
9C5C00670260037	11.07.2011 07:21:22	both	11.07.2011 07:22:13	both
9C5C00670261037	11.07.2011 07:31:27	TRGEO	11.07.2011 07:33:02	RUGEO
9C5C00670262037	11.07.2011 07:41:29	both	11.07.2011 07:42:17	both
9C5C00670263037	11.07.2011 07:51:32	both	11.07.2011 07:52:24	RUGEO
9C5C00670264037	11.07.2011 08:01:12	both	11.07.2011 08:02:02	both
9C5C00670265037	11.07.2011 06:41:39	both	11.07.2011 06:42:29	both
9C5C00670266037	11.07.2011 08:21:52	both	11.07.2011 08:22:43	RUGEO
9C5C00670267037	11.07.2011 08:31:42	both	11.07.2011 08:32:34	TRGEO
9C5C00670268037	11.07.2011 08:41:54	both	11.07.2011 08:42:44	RUGEO
9C5C00670269037	11.07.2011 08:51:50	both	11.07.2011 08:52:40	both
9C5C00670270037	11.07.2011 09:01:17	both	11.07.2011 09:02:07	both
9C5C00670271037	11.07.2011 09:22:45	both	11.07.2011 09:23:37	RUGEO
9C5C00670272037	11.07.2011 09:33:28	both	11.07.2011 09:34:20	RUGEO

ANNEX F

TURKEY (ANKARA) GEOLUT TEST RESULTS

1. INTRODUCTION

Russia installed a 406 MHz Search and Rescue (SAR) repeater on the Electro-L1 meteorological geostationary satellite. Following the launch of the satellite in February 2011 and the subsequent completion of initial satellite on-orbit tests, the SAR instrument was made available for use in the Cospas-Sarsat GEOSAR system. Following the directives in the document C/S R.016 Cospas-Sarsat ELECTRO GEOSAR Performance Evaluation Plan, the performance of the satellite's SAR instrument had to be evaluated before its formal inclusion in the Cospas-Sarsat GEOSAR system. In light of this, an Electro GEOSAR performance evaluation programme was conducted to:

- a. establish the Electro-L1 GEOSAR / GEOLUT performance;
- b. validate specifications and commissioning requirements for GEOLUTs which will operate with the Electro-L1 GEOSAR payload; and
- c. verify the performance and, if appropriate, commission the Moscow GEOLUT (tracking the Electro-L1 satellite) into the Cospas-Sarsat System.

1.1 Background

From 1996 to 1998 Cospas-Sarsat conducted a Demonstration and Evaluation Programme to determine the suitability of using satellites in geostationary orbit equipped with SAR instruments to process the signals from Cospas-Sarsat 406 MHz distress beacons. This programme, referred to as the GEOSAR D&E, demonstrated that GEOSAR satellites provided a significant enhancement to the Cospas-Sarsat system. In October 1998 the Cospas-Sarsat Council decided that the 406 MHz GEOSAR system components should be incorporated into the Cospas-Sarsat System. A summary report of the Cospas-Sarsat GEOSAR D&E is available from the Cospas-Sarsat web site as document C/S R.009.

Prior to the launch of the Electro-L1 satellite in February 2011, the Cospas-Sarsat GEOSAR system consisted of two GOES (USA), two MSG (Eumetsat), one INSAT (India) geostationary satellites and eighteen GEOLUTs in various countries.

1.2 ELECTRO-L1 GEOSAR Performance Evaluation

As indicated in C/S R.016, Turkey and France assisted Russia with the performance evaluation tests of the Russian GEOSAR satellite Electro-L1 launched in February 2011.

Preliminary tests were performed on 12-13 April 2011 where the French beacon simulator located in Toulouse transmitted a test sequence and the Turkish GEOLUT located in Ankara (normally tracking MSG-1, but steered toward Electro-L1 for a couple of days for test purposes) and the new Russian

GEOLUT located in Moscow tracked Electro-L1 and verified that beacons actually were detected from the Electro-L1 downlink signal.

Given the low elevation angle of 2.5° from Toulouse (43.56° N, 1.48° E) to the Electro-L1 satellite positioned at longitude 76° E, the French beacon simulator was shipped to Turkey in July where an elevation angle of 26.2° could be achieved from the Ankara GEOLUT (TRGEO) location at 40.1404° N, 32.9900° E.

After some dry-run tests, the formal tests started on 7 July 2011 with the French beacon simulator's transmitting the predetermined test sequences in C/S R.016. TRGEO was steered toward Electro-L1 on 5 July (12:44 UTC) before the start of the tests and kept tracking Electro-L1 until 12 July (08:16 UTC) after the formal tests ended on 11 July.

It should be noted that TRGEO is equipped with a linearly polarized feed designed to track the MSG-1 satellite whereas the Electro-L1 satellite has a left-hand-circularly-polarized (LHCP) downlink. This implies a 3 dB loss in TRGEO's receiving the Electro-L1 downlink signal. Therefore, the test results obtained by TRGEO should be considered as the lower limit of what can be expected from a GEOLUT properly equipped to track Electro-L1.

It should also be noted that all test sequences transmitted by the French beacon simulator were uplinked at 406,059,500 Hz.

The present report was put together by Turkey to give a detailed view of the Electro-L1 performance evaluation test results obtained by TRGEO.

2. ELECTRO GEOSAR PERFORMANCE EVALUATION GOALS AND OBJECTIVES

2.1 Performance Evaluation Goals

The goals of the performance evaluation programme were to:

- a. characterize the technical performance of the Electro GEOSAR / GEOLUT system and confirm whether Electro GEOSAR satellite / GEOLUT systems would be effective for providing useful 406 MHz alert data; and
- b. validate specifications and commissioning requirements for GEOLUTs which would operate with the Electro-L1 satellite.

2.2 Objectives

The programme was subdivided into specific technical objectives. Each objective was addressed by conducting tests and analysing the results. The tests were similar to the technical tests conducted in the original GEOSAR D&E of 1996-1998. Where necessary the procedures were modified to gain additional information that would be necessary to develop Electro GEOLUT specification and commissioning requirements. Most of the tests required a beacon simulator whose power output and message could be accurately controlled.

An overview of each objective is listed below (also see C/S R.016, section 3.2):

T-1 Processing Threshold, System Margin, and Beacon Message Processing Performance

Determine the processing threshold, processing performance, system margin and the performance in respect of long format beacon messages for GEOLUTs which operate with the Electro-L1 payload. The beacon test signals used to assess these parameters do not include beacon messages that collide with each other.

T-2 Time to Produce Valid and Confirmed Messages

Determine the statistical distribution of the time required for the GEOLUT to produce valid and confirmed beacon messages. The beacon test signals used to assess this parameter do not include beacon messages which collide with each other.

T-3 Carrier Frequency Measurement Accuracy

Determine how accurately the beacon carrier frequency can be determined by the Electro-L1 GEOSAR / GEOLUT system. The beacon test signals used to assess this parameter do not include beacon messages which collide with each other.

T-4 Electro-L1 GEOLUT Channel Capacity

Assess the capability of the GEOSAR system to handle multiple simultaneously active distress beacons in a single 406 MHz channel. This parameter is assessed by generating traffic loads which include beacon messages which collide with each other.

T-5 Impact of Interference

Monitor the band for the presence of interference while the tests are being performed, in order to understand any anomalies in the results and to illustrate the ability of the GEOSAR system to provide valid messages in the presence of interference and noise in the frequency bands used by the Electro-L1 GEOSAR system.

T-6 Impact of Interference From LEOSAR Satellites

Assess the impact of interference from LEOSAR satellite downlink signals on the ability of the GEOLUT to produce valid and confirmed alert messages.

T-7 Electro-L1 GEOLUT Network Performance

To verify that although at any given time some GEOLUTs may be affected by interference from the LEOSAR system, expected GEOSAR alerts will be reliably provided by other GEOLUTs in the Electro-L1 ground segment.

T-8 Processing Anomalies

Assess the performance of the GEOLUT in respect of the production of processing anomalies.

T-9 Electro-L1 Coverage

Estimate the geographic coverage of the Electro-L1 GEOSAR system.

C-1 Commissioning of the Moscow GEOLUT (tracking Electro-L1)

Verify the compliance of the Electro-L1 GEOLUT with the Cospas-Sarsat performance and design guidelines (specified in C/S T.009) by performing the tests specified in the GEOLUT Commissioning Standard (C/S T.010) and reporting the results in the appropriate format to the Cospas-Sarsat Joint Committee for evaluation.

Tests pertaining to each of the above objectives were performed in accordance with C/S R.016 and the results were tabulated in the present report, with the exception of:

- T-5 Impact of Interference (no systematic investigation; only TRGEO spectrum screenshots are available, suggesting no significant interference);
- T-7 Electro-L1 GEOLUT Network Performance (The TRGEO T-6 test results were provided to Russia so that Russia can put the RUGEO and TRGEO T-6 test results together and come up with the combined network results required by T-7); and
- C-1 Commissioning of the Moscow GEOLUT (carried out by Russia).

3. ELECTRO-L1 PERFORMANCE EVALUATION RESULTS**3.1 T-1: Processing Threshold, System Margin and Beacon Message Processing Performance****3.1.1 Test Description**

The tests were conducted and analysed in accordance with C/S R.016.

Note: The burst sequences for Tests T-1, T-2 and T-3 were uplinked at an average frequency of 406,059,500 MHz (vs 406,063,000 MHz specified in C/S R.016).

3.1.2 Calculation of C/No

The calculations converting the EIRP of the simulator, to a C/No value at the GEOLUT processor are given in Annex 1.

3.1.3 Test Results

The TRGEO data collected for this test is available in the Excel file “TRGEO_Elektro-L T1-T2-T3 bursts - 7.07.2011” and the Table required in Annex E of C/S R.016 is available in the Excel file “TRGEO_Elektro-L T1-T2-T3 analysis Annex E - 7.07.2011”. Both files were submitted to the Secretariat with the present report in electronic format.

Analysed Data for Test T-1

EIRP from simulator (dBm)	Calculated C/No at GEOLUT (dBHz)	# of Beacon Events Used (Valid Msg Sample Set)	Number of Beacon Events for which		Probability of Valid Message	Probability of Valid Message within 5 Min
			Valid Message was Produced	Valid Message was Produced within 5 Min		
28.0	27.59	50	26	16	0.52	0.32
29.0	28.59	50	50	50	1.00	1.00
30.0	29.58	50	50	49	1.00	0.98
31.0	30.57	50	50	48	1.00	0.96
32.0	31.55	50	50	50	1.00	1.00
33.0	32.54	50	50	50	1.00	1.00
34.0	33.52	50	50	50	1.00	1.00
35.0	34.49	50	50	50	1.00	1.00
36.0	35.46	50	50	50	1.00	1.00
37.0	36.42	50	50	50	1.00	1.00
38.0	37.37	50	50	50	1.00	1.00

EIRP from simulator (dBm)	Number of Beacon Events Used (Complete Msg Sample Set)	Number of Beacon Events Used (Confirmed Complete Msg Sample Set)	Number of Beacon Events for which a Complete Message was Produced	Number of Beacon Events for which a Confirmed Complete Message was Produced	Probability of Complete Msg	Probability of Confirmed Complete Msg
28.0	50	50	17	5	0.34	0.10
29.0	50	50	50	49	1.00	0.98
30.0	50	50	50	50	1.00	1.00
31.0	50	50	50	49	1.00	0.98
32.0	50	50	50	50	1.00	1.00
33.0	50	50	50	50	1.00	1.00
34.0	50	50	50	50	1.00	1.00
35.0	50	50	50	50	1.00	1.00
36.0	50	50	50	50	1.00	1.00
37.0	50	50	50	50	1.00	1.00
38.0	50	50	50	50	1.00	1.00

3.1.4 Processing Threshold and Message Processing Performance

The definition of the following parameters can be found in C/S R.016, section 3.2.1:

- Processing Threshold
- System Margin
- Valid Message Processing Performance
- Long Message Processing Performance (Single Complete, Confirmed Complete)

The processing threshold was reached for transmissions at an EIRP between 28 dBm and 29 dBm (see Figure 1-a). We consider that the processing threshold is at 29 dBm. This results in a system margin of 8 dB.

Figure 1-b shows that for transmissions at an EIRP between 28 dBm and 29 dBm, a valid message was obtained within 5 minutes of beacon activation with a probability of 95%. We consider that the valid message processing performance parameter is 29 dBm.

Figure 1-c shows that for transmissions at an EIRP between 28 dBm and 29 dBm, both a single complete message and a confirmed complete message were obtained within 5 minutes of beacon activation with a probability of 95%. We consider that the single complete message processing performance parameter and the confirmed complete message processing performance parameter both are 29 dBm.

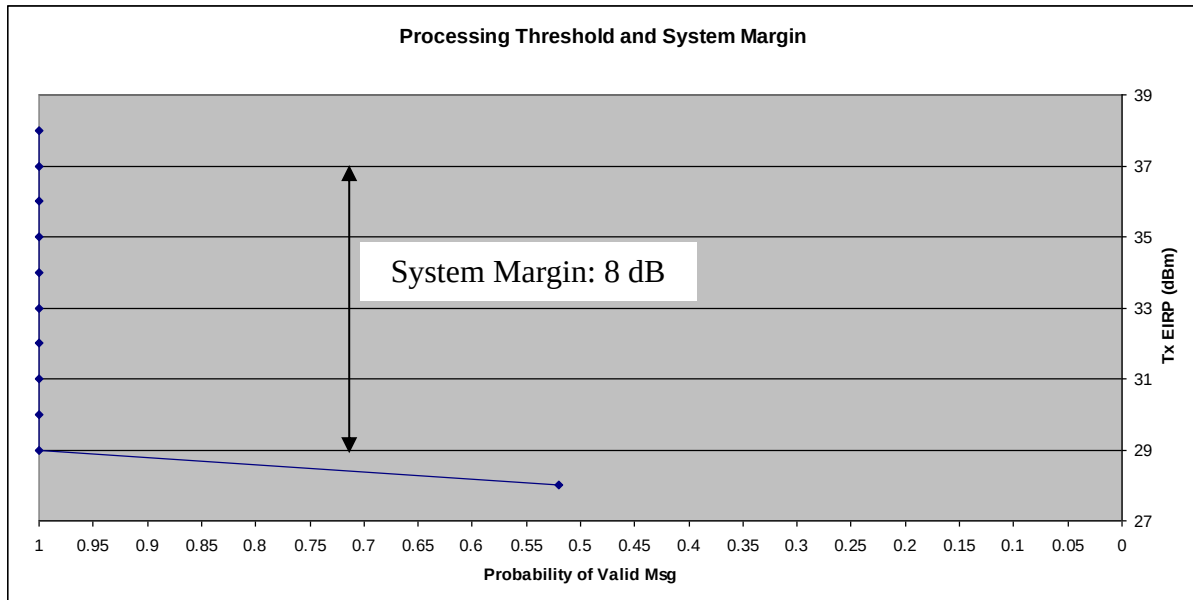


Figure 1-a: Processing Threshold and System Margin

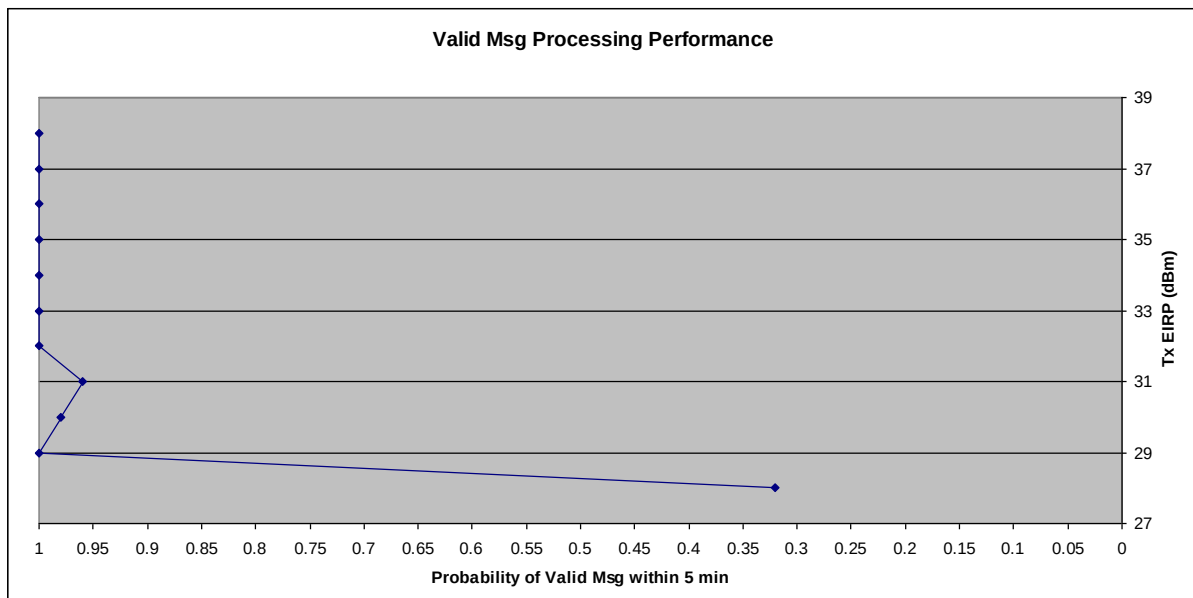


Figure 1-b: Valid Message Processing Performance

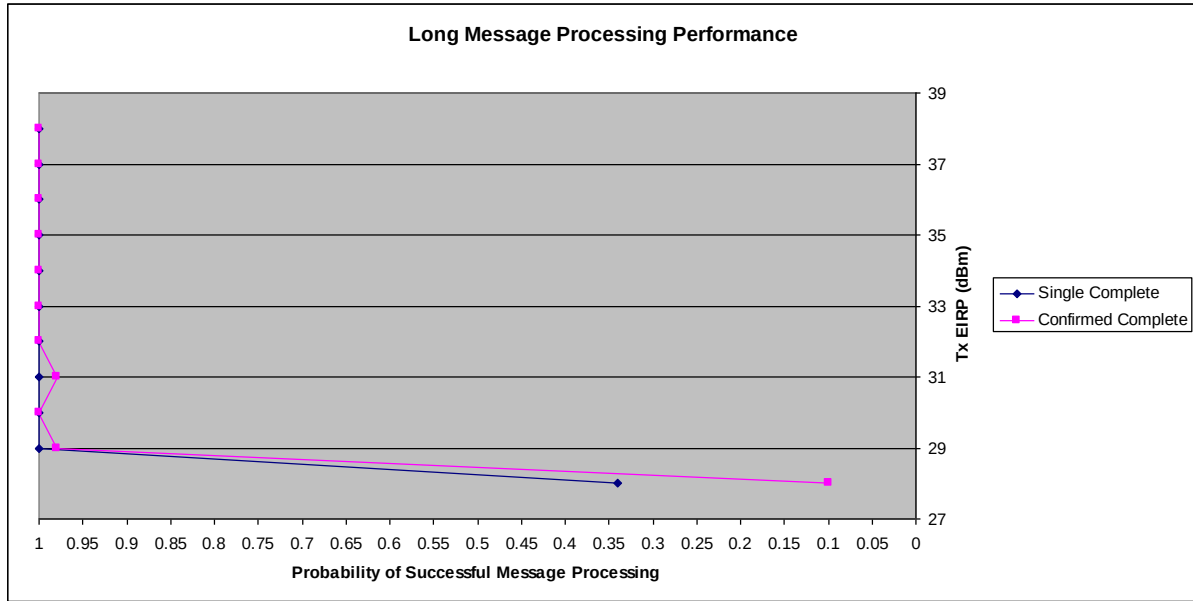


Figure 1-c: Long Message Processing Performance

3.1.5 System Margin

The system margin is determined to be 8 dB, as explained above.

3.1.6 Test Anomalies

The burst sequences for Tests T-1, T-2, T-3 were transmitted twice on 7 July, 2011:

- From 11:05 UTC to 16:01 UTC; and
- From 16:10 UTC to 22:01 UTC.

By the time TRGEO was made ready to process beacon signals at 406,059,500 Hz (59.5 kHz channel) which is outside of operational GEOLUTs' usual processing range, a significant part of the first burst sequence from 11:05 UTC to 16:01 UTC was already transmitted and not detected by TRGEO. Therefore, the first burst sequence was not taken into account in this report. The results provided for tests T-1, T-2 and T-3 all are based on the second burst sequence from 16:10 UTC to 22:01 UTC.

3.2 T-2: Time to Produce Valid, Complete and Confirmed Messages

3.2.1 Test Description

The tests were conducted and analysed in accordance with C/S R.016.

Note: The burst sequences for Tests T-1, T-2 and T-3 were uplinked at an average frequency of 406,059,500 MHz (vs 406,063,000 MHz specified in C/S R.016).

3.2.2 Test Results

The TRGEO data collected for this test is available in the Excel file "TRGEO_Elektro-L T1-T2-T3 bursts - 7.07.2011" and the Table required in Annex E of C/S R.016 is available in the Excel file

“TRGEO_Elektro-L T1-T2-T3 analysis Annex E - 7.07.2011”. Both files were submitted to the Secretariat with the present report in electronic format.

Analysed Data for Test T-2

EIRP (dBm)	C/No (dBHz)	ATVM (Min)	Standard Deviation of ATVM (Min)	ATCM (Min)	Standard Deviation of ATCM (Min)	ATCCM (Min)	Standard Deviation of ATCCM (Min)
28.0	27.59	4.12	4.13	6.03	5.14	13.55	4.73
29.0	28.59	0.42	0.63	2.14	4.00	4.46	3.61
30.0	29.58	0.92	1.36	1.90	2.35	4.22	3.84
31.0	30.57	0.85	1.43	1.51	2.35	3.79	3.27
32.0	31.55	0.60	0.74	1.07	1.05	2.57	1.37
33.0	32.54	0.25	0.40	0.33	0.52	1.43	0.73
34.0	33.52	0.46	0.72	0.46	0.72	1.61	0.93
35.0	34.49	0.54	0.82	0.54	0.82	1.94	1.12
36.0	35.46	0.20	0.34	0.23	0.40	1.33	0.72
37.0	36.42	0.19	0.40	0.21	0.41	1.23	0.51
38.0	37.37	0.31	0.57	0.31	0.57	1.38	0.71

EIRP (dBm)	C/No (dBHz)	95th Percentile			98th Percentile		
		Valid Msg (Min)	Complete Msg (Min)	Confirmed Msg (Min)	Valid Msg (Min)	Complete Msg (Min)	Confirmed Msg (Min)
28.0	27.59	N/A	N/A	N/A	N/A	N/A	N/A
29.0	28.59	1.72	11.30	14.22	2.55	13.39	15.05
30.0	29.58	2.97	7.55	11.30	4.22	8.38	15.88
31.0	30.57	3.38	5.88	11.71	5.88	7.55	15.88
32.0	31.55	1.70	3.78	5.45	1.70	4.20	5.87
33.0	32.54	0.88	0.88	2.55	0.88	1.71	2.55
34.0	33.52	1.71	1.71	3.38	2.54	2.54	4.21
35.0	34.49	2.54	2.54	4.21	2.54	2.54	4.21
36.0	35.46	0.87	0.87	2.53	0.87	0.87	3.37
37.0	36.42	0.88	0.88	2.13	1.71	1.71	2.54
38.0	37.37	1.71	1.71	2.55	1.71	1.71	3.38

“This test assesses how long it takes GEOLUTs operating with the Electro satellite to produce valid beacon messages, complete long messages, and confirmed complete long messages.”

Figure 2-a shows the average time that TRGEO took to produce valid, complete and confirmed complete messages after beacon activation. Figures 2-b and 2-c show the 95th and 98th percentiles to produce the aforementioned messages.

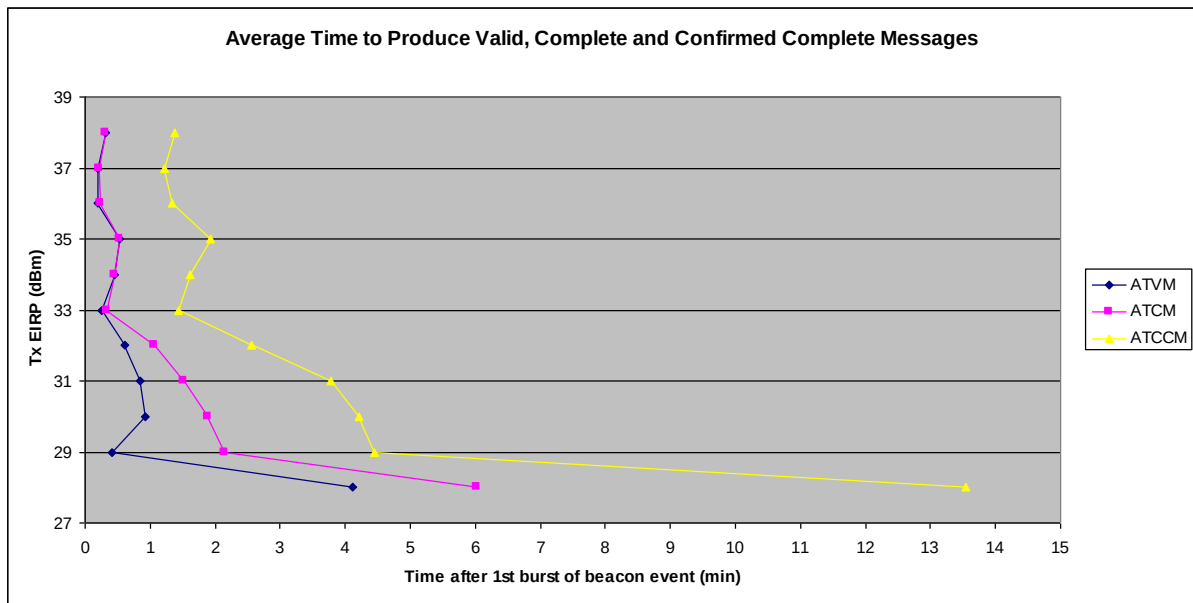


Figure 2-a: Average time to produce valid, complete and confirmed complete messages

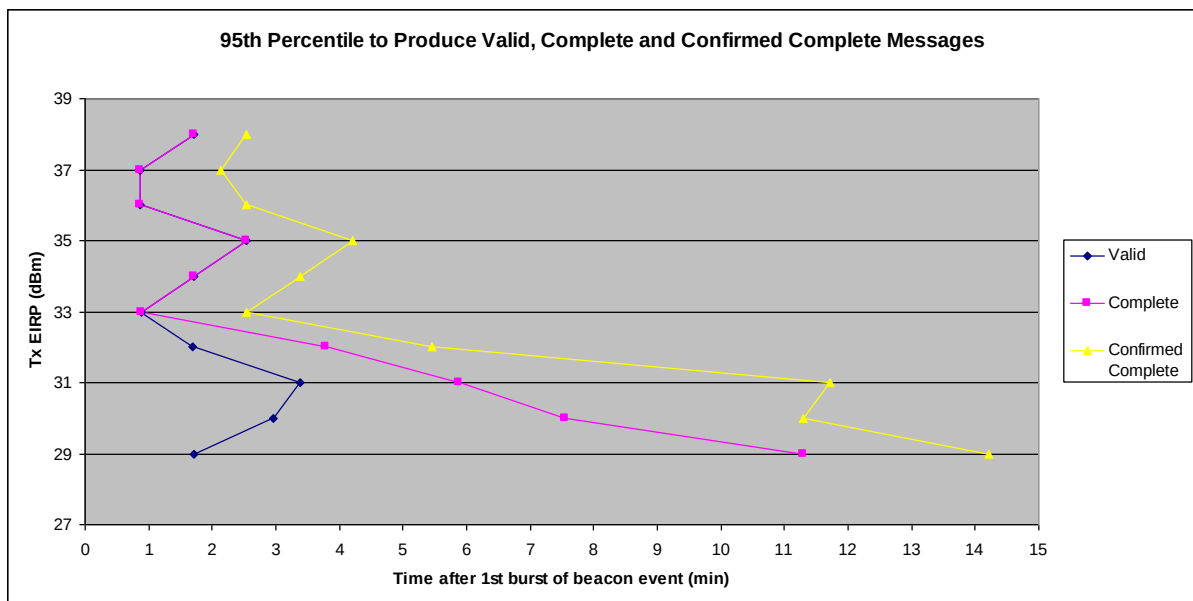


Figure 2-b: 95th percentile to produce valid, complete and confirmed complete messages

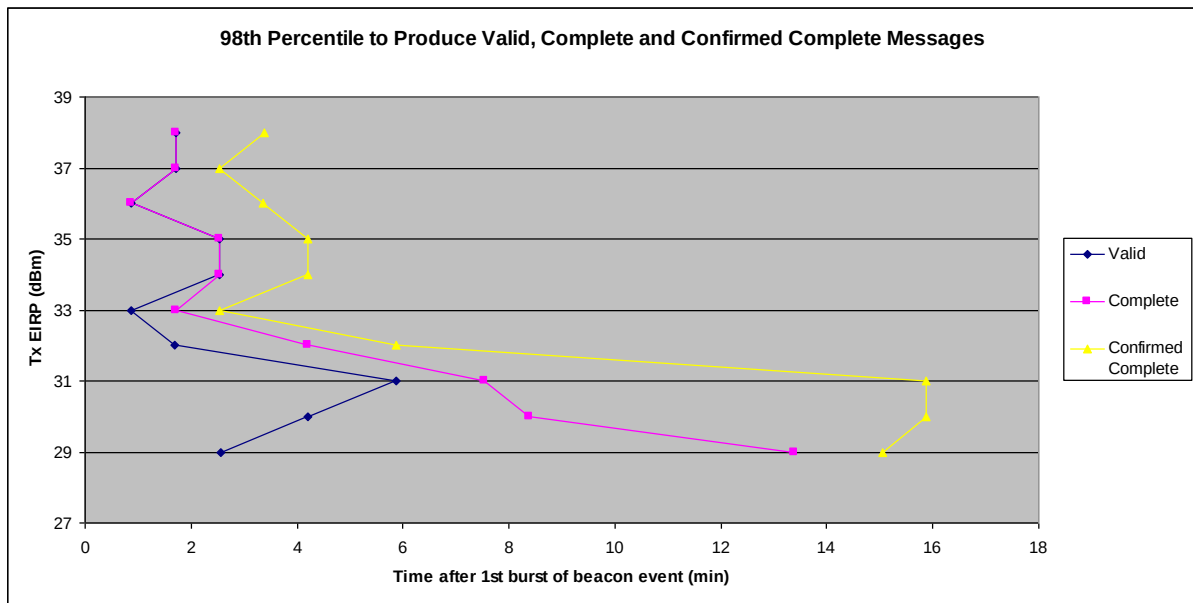


Figure 2-c: 98th percentile to produce valid, complete and confirmed complete messages

3.2.3 Test Anomalies

Please refer to section 3.1.6.

3.3 T-3: Carrier Frequency Measurement Accuracy

3.3.1 Test Description

The tests were conducted and analysed in accordance with C/S R.016.

Note: The burst sequences for Tests T-1, T-2 and T-3 were uplinked at an average frequency of 406,059,500 MHz (vs 406,063,000 MHz specified in C/S R.016).

3.3.2 Test Results

The TRGEO data collected for this test is available in the Excel file “TRGEO_Elektro-L T1-T2-T3 bursts - 7.07.2011” and the Table required in Annex E of C/S R.016 is available in the Excel file “TRGEO_Elektro-L T1-T2-T3 analysis Annex E - 7.07.2011”. Both files were submitted to the Secretariat with the present report in electronic format.

Analysed Data for Test T-3

EIRP (dBm)	Calculated C/No at GEOLUT (dBHz)	Avg Freq Measurement Error (Hz rounded to 1 decimal place)	Std Deviation of Error (Hz)
28.0	27.59	-0.3	0.5
29.0	28.59	-0.5	0.4
30.0	29.58	-0.4	0.4
31.0	30.57	-0.3	0.3
32.0	31.55	-0.6	0.4
33.0	32.54	-0.2	0.7
34.0	33.52	0.0	0.8
35.0	34.49	-0.5	0.3
36.0	35.46	-0.6	0.2
37.0	36.42	-0.5	0.3
38.0	37.37	-0.4	0.3

“The purpose of this objective is to assess how accurately the beacon carrier frequency can be measured by the Electro GEOSAR / GEOLUT system.”

Figures 3-a and 3-b show the average frequency measurement error and the standard deviation of that measurement error. It should be noted that TRGEO was not specifically calibrated for Electro-L1 frequency measurements.

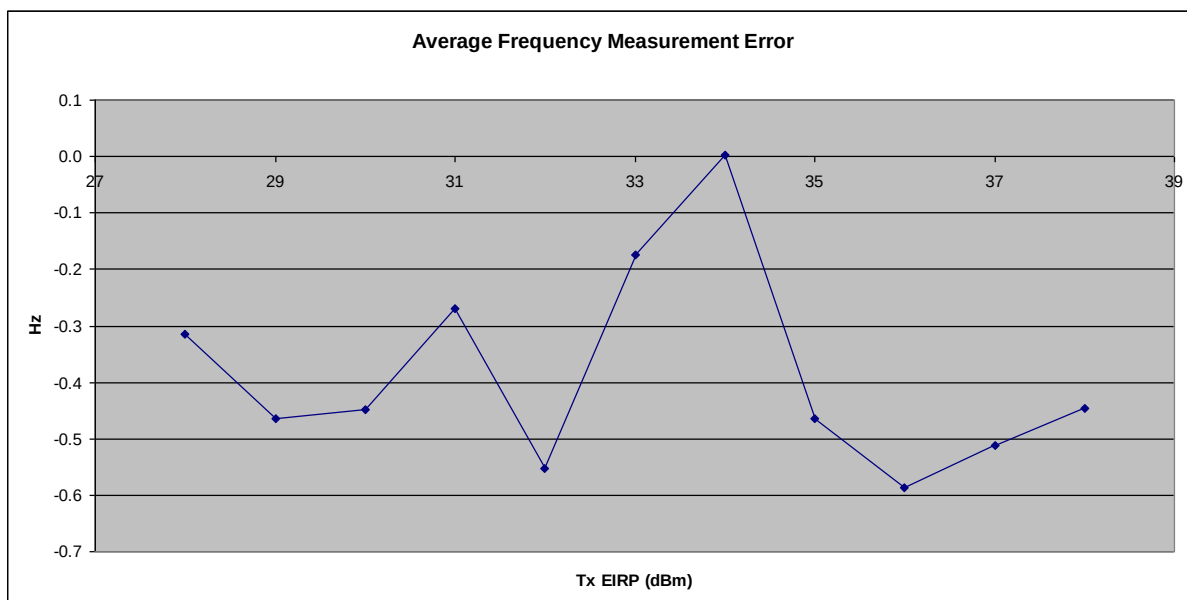


Figure 3-a: Average frequency measurement error

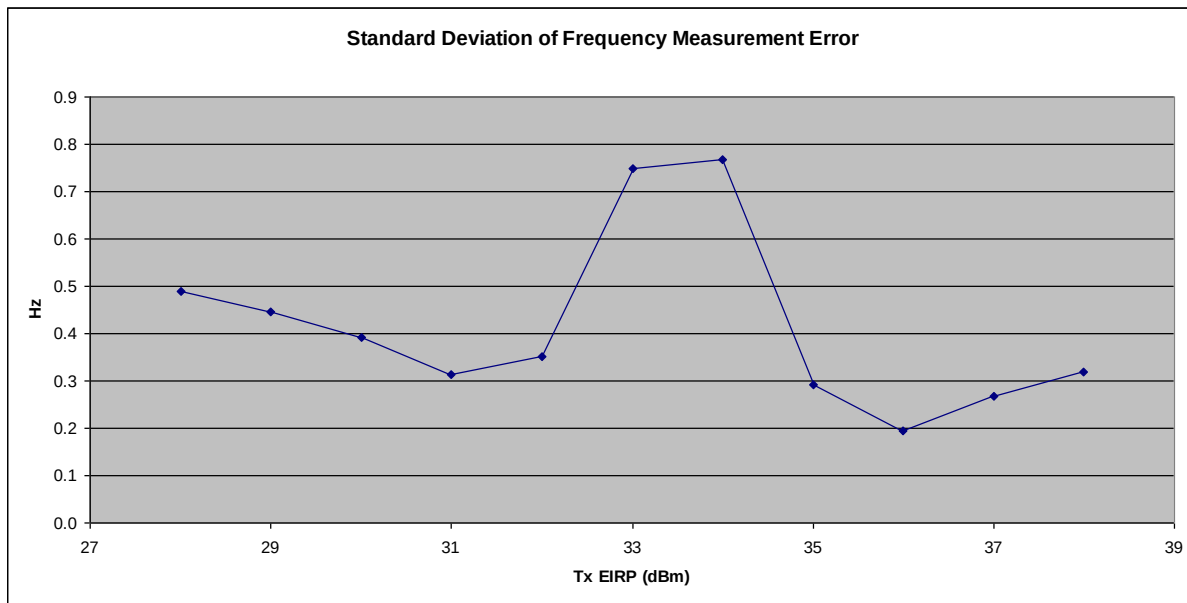


Figure 3-b: Standard deviation of frequency measurement error

3.3.3 Test Anomalies

Please refer to section 3.1.6.

3.4 T-4: ELECTRO-L1 GEOLUT Channel Capacity

3.4.1 Test Description

The tests were conducted and analysed in accordance with C/S R.016.

Note: The burst sequences for Test T-4 were uplinked at 406,059,500 MHz (vs 406,063,000 MHz specified in C/S R.016).

3.4.2 Test Results

The TRGEO data collected for this test is available in the Excel file “TRGEO_Elektro-L T4 bursts - 8.07.2011” and the Table required in Annex F of C/S R.016 is available in the Excel file “TRGEO_Elektro-L T4 analysis - new - Annex F - 8.07.2011”. Both files were submitted to the Secretariat with the present report in electronic format.

Analysed Data for Test T-4

Channel: 406.059500 MHz				
# of Active Bcn Events	% Valid Msg within 5 Min	% Valid Msg within 10 Min	% Valid Msg within 15 Min	% Confirmed Complete Msg within 15 Min
15	0.973	1.000	1.000	0.987
20	0.990	1.000	1.000	0.995
25	0.948	0.992	0.996	0.988
30	0.933	1.000	1.000	0.980

“The definition of capacity in Cospas-Sarsat GEOSAR systems is the number of 406 MHz distress beacons operating simultaneously in the field of view of a GEOSAR satellite, that can be successfully processed by the System to provide a valid beacon message, under nominal conditions, within 5 minutes of beacon activation 95% of the time, and the number of beacons that can be successfully processed within 10 minutes of beacon activation 98% of the time.”

At 406,059,500 Hz (the 59.5 kHz channel), valid messages within 5 minutes of beacon activation 95% of the time were obtained for 25 (more precisely 24.5) beacons transmitting simultaneously. The number of beacons threshold value for valid messages within 10 minutes of beacon activation 98% of the time was not reached as TRGEO generated valid messages within 10 minutes of beacon activation 99% of the time for up to 30 beacons transmitting simultaneously. Therefore, the 59.5 kHz channel capacity was estimated at 25 beacons transmitting simultaneously (see Figure 4).

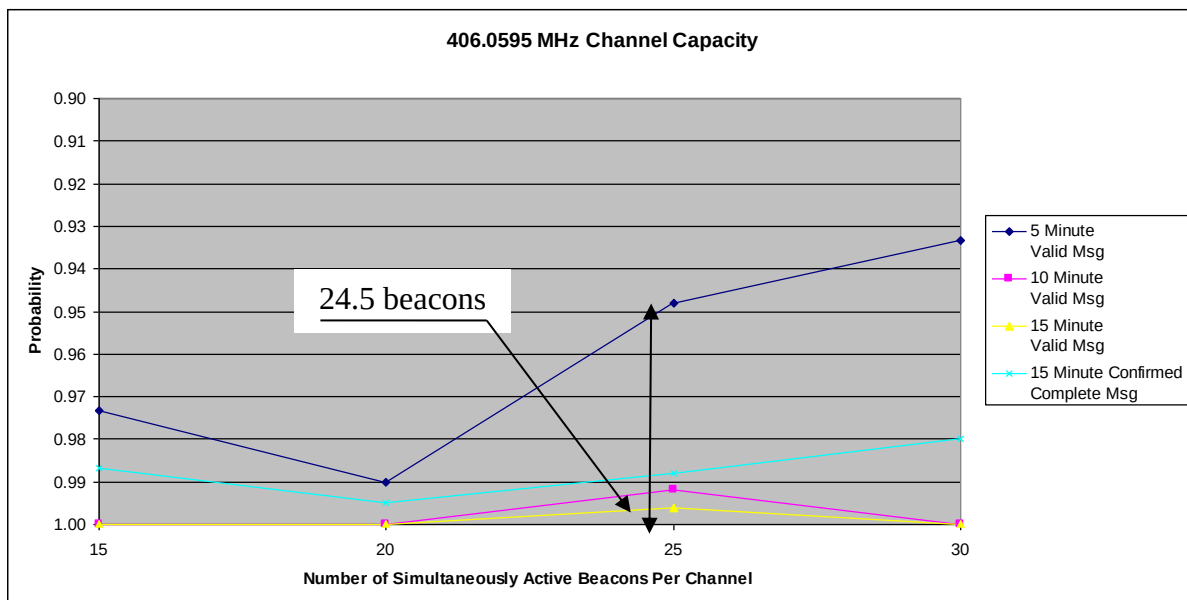


Figure 4: 59.5 kHz channel capacity

3.4.3 Test Anomalies

None.

3.5 T-5: Impact of Interference

“The purpose of this objective is to determine the ability of the GEOSAR system to provide valid messages in the presence of interference and noise. In view of the specialized test equipment required to conduct this objective, not all Electro GEOLUT operators need participate, but as a minimum one operator should monitor and report the impact of interference in accordance with these procedures.”

The impact of interference was not investigated formally at the TRGEO level. A few spectrum plots taken at various times during the tests suggested that no significant interference was present in the 406 MHz channels used by operational beacons. Those spectrum plots are available on request.

3.6 T-6: Impact of Interference From LEOSAR Satellites

3.6.1 Test Description

The tests were conducted and analysed in accordance with C/S R.016.

Note: The burst sequences for Tests T-6 and T-7 were uplinked at 406,059,500 MHz (vs 406,061,000 MHz specified in C/S R.016).

3.6.2 Test Results

The TRGEO data collected for this test is available in the Excel file “TRGEO_Elektro-L T6-T7 bursts - 9-11.07.2011” and the Table required in Annex G of C/S R.016 is available in the Excel file “TRGEO_Elektro-L T6 analysis Annex G - 9-11.07.2011”. Both files were submitted to the Secretariat with the present report in electronic format.

“The purpose of this objective is to analyse and quantify the impact that Cospas-Sarsat LEOSAR satellite downlink transmissions have on the ability of Electro GEOLUTs to process beacon signals.”

Figures 6-a and 6-b show the histogram of the time distribution of valid and confirmed complete messages in the possible presence, as well as in the absence, of LEO satellite downlink interference with the Electro-L1 downlink signal. The cumulative probabilities are also shown on the same Figures.

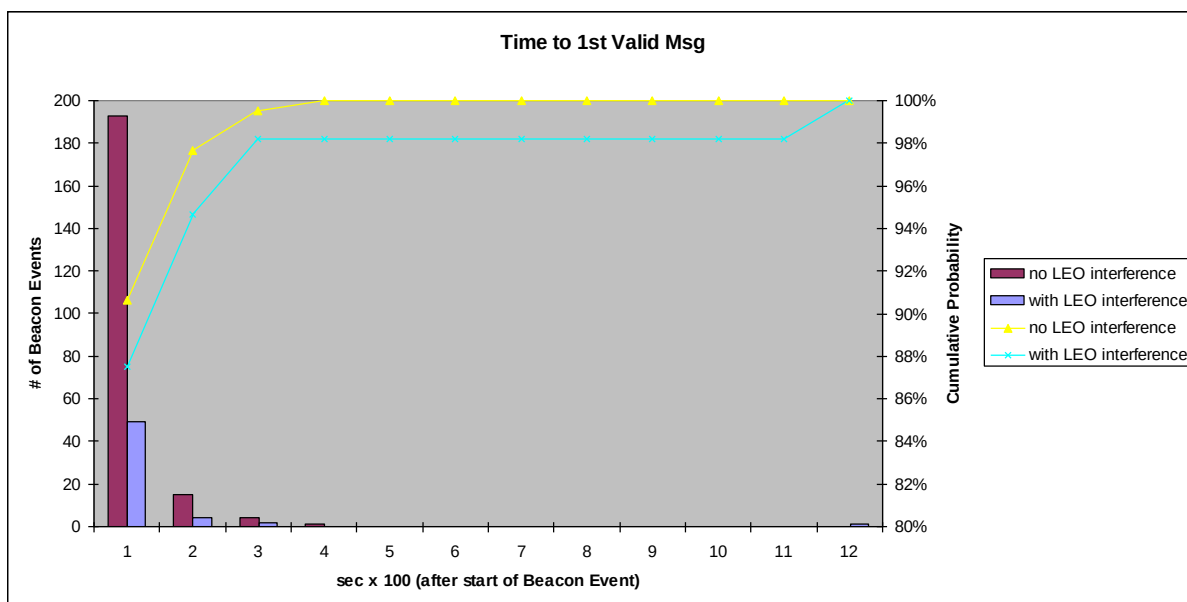


Figure 6-a: TRGEO valid message production performance

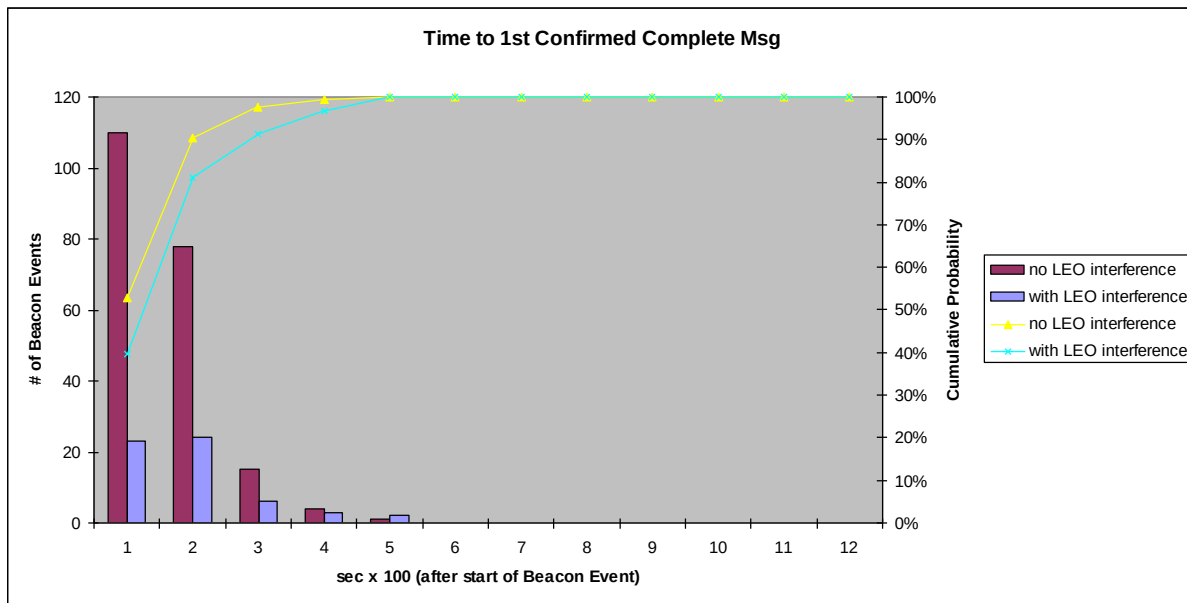


Figure 6-b: TRGEO confirmed complete message production performance

Table 6 provides the average, median and standard deviation of the time that was required by TRGEO to produce valid and confirmed complete messages in the possible presence, and absence, of LEO satellite downlink interference.

	No LEO Interference	Possible LEO interference
Time to 1 st valid message		
- average (secs)	29.71	54.59
- median (secs)	0.00	0.00
- std. dev. (secs)	52.59	154.20
Time to 1 st confirmed complete message		
- average (secs)	113.69	137.05
- median (secs)	99.54	101.95
- std. dev. (secs)	70.64	99.00

Table 6: TRGEO statistics on time to 1st valid and confirmed complete messages
(the Rx time by TRGEO of the first burst of the beacon event is considered to be “time 0”)

Figure 6-c shows the burst power values as measured by TRGEO in the possible presence, and absence, of LEO satellite downlink interference over the 48 hours of the T-6 test. (A systematic offset might apply to the power values on the y-axis).

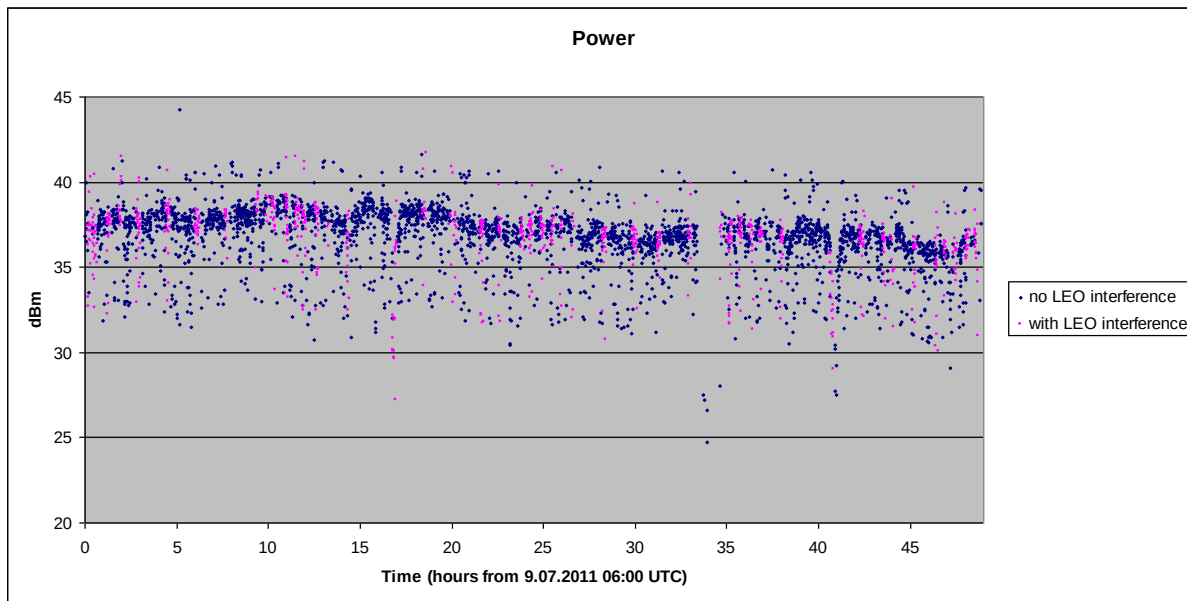


Figure 6-c: Burst power values as measured by TRGEO (systematic offset might apply)

3.6.3 Test Anomalies

Very few detections were made on 10 July, 2011 from 15:23 UTC till 16:39 UTC because at around 15:23 UTC, the beacon that was transmitting the simulator-generated bursts fell down due to the wind, standing at some 45 degrees until the anomaly (i.e. no 9C5C0xxxxxxxxxx detections on TRGEO, nor on Channel 52 of TRMEO that also was tracking Electro-L1 whereas the Beacon Simulator bursts continued to be detected on Channel 51 of TRMEO that was tracking MEO satellites as well as on foreign MEOLUTs received by TRMEO) was noticed at around 15:45 UTC and the beacon was put back in a vertical position at 16:39 UTC. It was confirmed that the beacon was facing the opposite direction of Elektro-L1 before it was put back straight.

During that time period, the simulator transmitted the script 6612 (i.e. one of the 19 scripts related to Test T-6). Any anomaly in the test results related to Beacon Event Serial Numbers 188 and 190 through 194 can be attributed to that incident: a single detection for beacon event 188, only 4 detections for beacon event 190, no detection for beacon events 191, 192 and 193, then a single detection for beacon event 194.

3.7 T-7: Electro-L1 GEOLUT Network Performance

“There is a requirement to confirm that the Electro GEOSAR system comprised of the GEOSAR satellite and the network of GEOLUTs which track it will provide reliable and timely 406 MHz alerts even if one or more of the Electro GEOLUTs were unavailable due to interference from LEOSAR downlink transmissions.

...

Since this test requires consolidating the results from objective T-6 from all the participating Electro GEOLUTs, objective T-7 will not be included in the performance evaluation reports provided by individual GEOLUT operators.”

The TRGEO T-6 test results were provided to Russia so that Russia can put the RUGEO and TRGEO T-6 test results together and come up with the combined network results required by T-7.

3.8 T-8: Processing Anomalies (PA)

3.8.1 Test Description

The tests were conducted and analysed in accordance with C/S R.016.

3.8.2 Test Results

The TRGEO data collected for this test is available in the Excel file “TRGEO_Elektro-L T8 analysis Annex H - 5-12.07.2011” submitted to the Secretariat with the present report in electronic format.

Analysed Data for Test T-8

15 Hex ID Produced by GEOLUT	15 Hex ID of Associated Reference Beacon	Beacon Message Produced by GEOLUT (30 Hex)	Date / Time	LUT in LEO Footprint (Y/N)
9C7FEC2A8CD3592	9C7FEC2AACD3590	4E3FF6154669AC 9136070F00000000	6 July 04:00:31	N

“This test assesses GEOLUT performance in respect of its ability to suppress the number of processing anomalies produced.”

Over the entire 7-day time period during which TRGEO tracked Electro-L1 (5-12 July), 494 bursts were detected in the 406.022 MHz channel (406.0205 - 406.0235 MHz) that did not match the beacon-id of a known orbitography / reference beacon located within the Electro-L1 footprint. Those 494 bursts were found to have been transmitted by 240 unique beacons.

Only 1 of those 240 unique beacon-ids (which transmitted 1 burst out of 494 - 9C7FEC2A8CD3592) was clearly associated with a known reference beacon, namely the Kerguelen beacon (9C7FEC2AACD3590).

214 (89.2%) of those 240 unique beacon-ids (which transmitted 424 (85.8%) bursts out of 494) had the country code of a single country with a Serial User protocol (ELT with serial identification number – A22C4xxxxxxxxxx).

The remaining 25 beacon-ids (10.4%) which transmitted 69 bursts (14.0%) had various country codes. One of them, which transmitted 25 bursts, had a National Location Test protocol. The remaining 24, which transmitted 44 bursts, exclusively had aviation-related protocols.

Only the single burst that was associated with the Kerguelen reference beacon was deemed to be a Processing Anomaly, which would imply both of the following points:

- The PA rate is very low (see section 3.8.3 below); and
- Some beacons, both operational and test-coded, transmit in the 22 kHz channel which is exclusively reserved for orbitography/reference beacons.

3.8.3 Processing Anomaly Rate (PA)

While tracking Electro-L1 from 5 July 12:44 UTC till 12 July 08:16 UTC, TRGEO detected a total of 65,070 bursts on all channels. 27,722 of those 65,070 bursts were detected in the 406.022 MHz channel (406.0205 - 406.0235 MHz).

Only one (1) of those 27,722 bursts was deemed to be a processing anomaly.

Therefore, the Processing Anomaly Rate (PA) was estimated to be: $1 / 27,722 = 3.6\text{E-}5$ (i.e. 0.0036%).

3.8.4 Test Anomalies

None.

3.9 T-9: ELECTRO-L1 Coverage

3.9.1 Test Description

The tests were conducted and analysed in accordance with C/S R.016.

3.9.2 Test Results

The Table required in Annex G of C/S R.016 for this test is available in the Excel file “TRLUTx_Locations_5-12.07.2011 T9 analysis A1 Annex I”. That file was submitted to the Secretariat with the present report in electronic format.

Analysed Data for Test T-9

Block Location		Number of LEOSAR Beacon Events	Number Detected by GEOLUT	% Detected by GEOLUT
Longitude	Latitude			
180- 170W	90-80S	0	0	N/A
	80-70S	0	0	N/A
	70-60S	0	0	N/A
	60-50S	0	0	N/A
	50-40S	1	0	0.00%
	40-30S	0	0	N/A
	30-20S	0	0	N/A
	20-10S	2	0	0.00%
	10-0S	2	0	0.00%
	0-10N	0	0	N/A
	10-20N	0	0	N/A
	20-30N	0	0	N/A

170- 160W	30-40N	1	0	0.00%
	40-50N	0	0	N/A
	50-60N	2	0	0.00%
	60-70N	3	0	0.00%
	70-80N	0	0	N/A
	80-90N	0	0	N/A
	90-80S	0	0	N/A
	80-70S	0	0	N/A
	70-60S	0	0	N/A
	60-50S	0	0	N/A
	50-40S	0	0	N/A
	40-30S	0	0	N/A
	30-20S	0	0	N/A
	20-10S	0	0	N/A
	10-0S	0	0	N/A
	0-10N	0	0	N/A
	10-20N	0	0	N/A
	20-30N	0	0	N/A
	30-40N	0	0	N/A
160- 150W	40-50N	0	0	N/A
	50-60N	3	0	0.00%
	60-70N	3	0	0.00%
	70-80N	0	0	N/A
	80-90N	0	0	N/A
	90-80S	0	0	N/A
	80-70S	0	0	N/A
	70-60S	0	0	N/A
	60-50S	0	0	N/A
	50-40S	0	0	N/A
	40-30S	0	0	N/A
	30-20S	0	0	N/A
	20-10S	2	0	0.00%
	10-0S	5	0	0.00%
	0-10N	1	0	0.00%
	10-20N	0	0	N/A
	20-30N	0	0	N/A
	30-40N	3	0	0.00%
150- 140W	40-50N	0	0	N/A
	50-60N	4	0	0.00%
	60-70N	7	0	0.00%
	70-80N	0	0	N/A
	80-90N	0	0	N/A
	90-80S	0	0	N/A
	80-70S	0	0	N/A
	70-60S	0	0	N/A
	60-50S	0	0	N/A
	50-40S	0	0	N/A
	40-30S	0	0	N/A
	30-20S	0	0	N/A
	20-10S	2	0	0.00%
	10-0S	149	0	0.00%
	0-10N	0	0	N/A

140- 130W	10-20N	0	0	N/A
	20-30N	0	0	N/A
	30-40N	2	0	0.00%
	40-50N	0	0	N/A
	50-60N	248	0	0.00%
	60-70N	2	0	0.00%
	70-80N	0	0	N/A
	80-90N	0	0	N/A
	90-80S	0	0	N/A
	80-70S	0	0	N/A
	70-60S	0	0	N/A
	60-50S	0	0	N/A
	50-40S	0	0	N/A
	40-30S	0	0	N/A
	30-20S	0	0	N/A
	20-10S	0	0	N/A
130- 120W	10-0S	4	0	0.00%
	0-10N	0	0	N/A
	10-20N	0	0	N/A
	20-30N	0	0	N/A
	30-40N	0	0	N/A
	40-50N	3	0	0.00%
	50-60N	6	0	0.00%
	60-70N	3	0	0.00%
	70-80N	0	0	N/A
	80-90N	0	0	N/A
	90-80S	0	0	N/A
	80-70S	0	0	N/A
	70-60S	0	0	N/A
	60-50S	0	0	N/A
	50-40S	0	0	N/A
	40-30S	0	0	N/A
	30-20S	0	0	N/A
	20-10S	1	0	0.00%
	10-0S	0	0	N/A
	0-10N	0	0	N/A
	10-20N	0	0	N/A
	20-30N	0	0	N/A
	30-40N	3	0	0.00%
	40-50N	130	0	0.00%
	50-60N	6	0	0.00%
	60-70N	2	0	0.00%
	70-80N	0	0	N/A
	80-90N	0	0	N/A
120- 110W	90-80S	0	0	N/A
	80-70S	0	0	N/A
	70-60S	0	0	N/A
	60-50S	0	0	N/A
	50-40S	0	0	N/A
	40-30S	0	0	N/A
	30-20S	0	0	N/A
	20-10S	1	0	0.00%

	10-0S	0	0	N/A
	0-10N	0	0	N/A
	10-20N	0	0	N/A
	20-30N	50	0	0.00%
	30-40N	36	0	0.00%
	40-50N	9	0	0.00%
	50-60N	417	0	0.00%
	60-70N	3	0	0.00%
	70-80N	0	0	N/A
	80-90N	0	0	N/A
110-100W	90-80S	0	0	N/A
	80-70S	0	0	N/A
	70-60S	0	0	N/A
	60-50S	0	0	N/A
	50-40S	0	0	N/A
	40-30S	0	0	N/A
	30-20S	0	0	N/A
	20-10S	4	0	0.00%
	10-0S	0	0	N/A
	0-10N	0	0	N/A
	10-20N	3	0	0.00%
	20-30N	28	0	0.00%
	30-40N	1	0	0.00%
	40-50N	2	0	0.00%
	50-60N	5	0	0.00%
	60-70N	1	0	0.00%
	70-80N	0	0	N/A
	80-90N	0	0	N/A
100-90W	90-80S	0	0	N/A
	80-70S	0	0	N/A
	70-60S	0	0	N/A
	60-50S	0	0	N/A
	50-40S	0	0	N/A
	40-30S	0	0	N/A
	30-20S	2	0	0.00%
	20-10S	0	0	N/A
	10-0S	9	0	0.00%
	0-10N	0	0	N/A
	10-20N	13	0	0.00%
	20-30N	14	0	0.00%
	30-40N	120	0	0.00%
	40-50N	7	0	0.00%
	50-60N	1	0	0.00%
	60-70N	3	0	0.00%
	70-80N	1	0	0.00%
	80-90N	0	0	N/A
90-80W	90-80S	0	0	N/A
	80-70S	0	0	N/A
	70-60S	0	0	N/A
	60-50S	0	0	N/A
	50-40S	0	0	N/A
	40-30S	0	0	N/A
	30-20S	0	0	N/A

	20-10S	0	0	N/A
	10-0S	18	0	0.00%
	0-10N	1	0	0.00%
	10-20N	5	0	0.00%
	20-30N	127	0	0.00%
	30-40N	16	0	0.00%
	40-50N	11	0	0.00%
	50-60N	2	0	0.00%
	60-70N	0	0	N/A
	70-80N	2	0	0.00%
	80-90N	0	0	N/A
80-70W	90-80S	0	0	N/A
	80-70S	0	0	N/A
	70-60S	0	0	N/A
	60-50S	0	0	N/A
	50-40S	0	0	N/A
	40-30S	0	0	N/A
	30-20S	1	0	0.00%
	20-10S	12	0	0.00%
	10-0S	1	0	0.00%
	0-10N	66	0	0.00%
	10-20N	6	0	0.00%
	20-30N	4	0	0.00%
	30-40N	450	0	0.00%
	40-50N	75	0	0.00%
	50-60N	0	0	N/A
	60-70N	0	0	N/A
	70-80N	2	0	0.00%
	80-90N	0	0	N/A
70-60W	90-80S	0	0	N/A
	80-70S	0	0	N/A
	70-60S	0	0	N/A
	60-50S	0	0	N/A
	50-40S	0	0	N/A
	40-30S	0	0	N/A
	30-20S	0	0	N/A
	20-10S	4	0	0.00%
	10-0S	3	0	0.00%
	0-10N	1	0	0.00%
	10-20N	14	0	0.00%
	20-30N	5	0	0.00%
	30-40N	3	0	0.00%
	40-50N	5	0	0.00%
	50-60N	1	0	0.00%
	60-70N	0	0	N/A
	70-80N	493	0	0.00%
	80-90N	0	0	N/A
60-50W	90-80S	0	0	N/A
	80-70S	0	0	N/A
	70-60S	0	0	N/A
	60-50S	0	0	N/A
	50-40S	0	0	N/A
	40-30S	2	0	0.00%
	30-20S	1	0	0.00%

	20-10S	0	0	N/A
	10-0S	2	0	0.00%
	0-10N	2	0	0.00%
	10-20N	1	0	0.00%
	20-30N	3	0	0.00%
	30-40N	4	0	0.00%
	40-50N	7	0	0.00%
	50-60N	0	0	N/A
	60-70N	0	0	N/A
	70-80N	1	0	0.00%
	80-90N	0	0	N/A
50-40W	90-80S	0	0	N/A
	80-70S	0	0	N/A
	70-60S	0	0	N/A
	60-50S	0	0	N/A
	50-40S	0	0	N/A
	40-30S	1	0	0.00%
	30-20S	32	0	0.00%
	20-10S	0	0	N/A
	10-0S	0	0	N/A
	0-10N	66	0	0.00%
	10-20N	2	0	0.00%
	20-30N	1	0	0.00%
	30-40N	1	0	0.00%
	40-50N	6	0	0.00%
	50-60N	2	0	0.00%
	60-70N	0	0	N/A
	70-80N	0	0	N/A
	80-90N	0	0	N/A
40-30W	90-80S	0	0	N/A
	80-70S	0	0	N/A
	70-60S	0	0	N/A
	60-50S	0	0	N/A
	50-40S	0	0	N/A
	40-30S	0	0	N/A
	30-20S	1	0	0.00%
	20-10S	2	0	0.00%
	10-0S	0	0	N/A
	0-10N	2	0	0.00%
	10-20N	7	0	0.00%
	20-30N	1	0	0.00%
	30-40N	1	0	0.00%
	40-50N	3	0	0.00%
	50-60N	2	0	0.00%
	60-70N	2	0	0.00%
	70-80N	3	0	0.00%
	80-90N	0	0	N/A
30-20W	90-80S	0	0	N/A
	80-70S	0	0	N/A
	70-60S	0	0	N/A
	60-50S	0	0	N/A
	50-40S	0	0	N/A
	40-30S	0	0	N/A
	30-20S	0	0	N/A

	20-10S	1	0	0.00%
	10-0S	0	0	N/A
	0-10N	0	0	N/A
	10-20N	0	0	N/A
	20-30N	2	0	0.00%
	30-40N	1	0	0.00%
	40-50N	3	0	0.00%
	50-60N	1	0	0.00%
	60-70N	2	0	0.00%
	70-80N	4	0	0.00%
	80-90N	0	0	N/A
20-10W	90-80S	0	0	N/A
	80-70S	0	0	N/A
	70-60S	0	0	N/A
	60-50S	0	0	N/A
	50-40S	0	0	N/A
	40-30S	0	0	N/A
	30-20S	0	0	N/A
	20-10S	0	0	N/A
	10-0S	0	0	N/A
	0-10N	0	0	N/A
	10-20N	1	0	0.00%
	20-30N	2	0	0.00%
	30-40N	1	0	0.00%
	40-50N	3	0	0.00%
	50-60N	1	0	0.00%
	60-70N	0	0	N/A
	70-80N	2	0	0.00%
	80-90N	0	0	N/A
10-0W	90-80S	0	0	N/A
	80-70S	0	0	N/A
	70-60S	0	0	N/A
	60-50S	0	0	N/A
	50-40S	0	0	N/A
	40-30S	0	0	N/A
	30-20S	0	0	N/A
	20-10S	0	0	N/A
	10-0S	0	0	N/A
	0-10N	44	18	40.91%
	10-20N	4	0	0.00%
	20-30N	0	0	N/A
	30-40N	8	0	0.00%
	40-50N	144	0	0.00%
	50-60N	418	0	0.00%
	60-70N	0	0	N/A
	70-80N	1	0	0.00%
	80-90N	0	0	N/A
0-10E	90-80S	0	0	N/A
	80-70S	0	0	N/A
	70-60S	0	0	N/A
	60-50S	0	0	N/A
	50-40S	0	0	N/A
	40-30S	0	0	N/A
	30-20S	0	0	N/A

	20-10S	0	0	N/A
	10-0S	0	0	N/A
	0-10N	45	33	73.33%
	10-20N	0	0	N/A
	20-30N	0	0	N/A
	30-40N	7	0	0.00%
	40-50N	350	312	89.14%
	50-60N	50	12	24.00%
	60-70N	0	0	N/A
	70-80N	1	0	0.00%
	80-90N	0	0	N/A
10-20E	90-80S	0	0	N/A
	80-70S	0	0	N/A
	70-60S	0	0	N/A
	60-50S	0	0	N/A
	50-40S	0	0	N/A
	40-30S	2	2	100.00%
	30-20S	0	0	N/A
	20-10S	0	0	N/A
	10-0S	0	0	N/A
	0-10N	2	1	50.00%
	10-20N	2	2	100.00%
	20-30N	1	0	0.00%
	30-40N	3	1	33.33%
	40-50N	6	3	50.00%
	50-60N	93	79	84.95%
	60-70N	0	0	N/A
	70-80N	593	0	0.00%
	80-90N	0	0	N/A
20-30E	90-80S	0	0	N/A
	80-70S	0	0	N/A
	70-60S	0	0	N/A
	60-50S	0	0	N/A
	50-40S	0	0	N/A
	40-30S	0	0	N/A
	30-20S	2	2	100.00%
	20-10S	0	0	N/A
	10-0S	0	0	N/A
	0-10N	2	0	0.00%
	10-20N	2	2	100.00%
	20-30N	1	1	100.00%
	30-40N	8	0	0.00%
	40-50N	40	7	17.50%
	50-60N	0	0	N/A
	60-70N	5	5	100.00%
	70-80N	1	0	0.00%
	80-90N	1	0	0.00%
30-40E	90-80S	0	0	N/A
	80-70S	0	0	N/A
	70-60S	0	0	N/A
	60-50S	0	0	N/A
	50-40S	0	0	N/A
	40-30S	0	0	N/A
	30-20S	113	113	100.00%

	20-10S	0	0	N/A
	10-0S	13	13	100.00%
	0-10N	0	0	N/A
	10-20N	0	0	N/A
	20-30N	21	20	95.24%
	30-40N	11	3	27.27%
	40-50N	22	21	95.45%
	50-60N	4	3	75.00%
	60-70N	0	0	N/A
	70-80N	0	0	N/A
	80-90N	0	0	N/A
40-50E	90-80S	0	0	N/A
	80-70S	0	0	N/A
	70-60S	0	0	N/A
	60-50S	0	0	N/A
	50-40S	0	0	N/A
	40-30S	0	0	N/A
	30-20S	0	0	N/A
	20-10S	0	0	N/A
	10-0S	0	0	N/A
	0-10N	0	0	N/A
	10-20N	8	7	87.50%
	20-30N	0	0	N/A
	30-40N	88	33	37.50%
	40-50N	160	160	100.00%
	50-60N	4	1	25.00%
	60-70N	0	0	N/A
	70-80N	2	0	0.00%
	80-90N	0	0	N/A
50-60E	90-80S	0	0	N/A
	80-70S	0	0	N/A
	70-60S	0	0	N/A
	60-50S	0	0	N/A
	50-40S	0	0	N/A
	40-30S	0	0	N/A
	30-20S	0	0	N/A
	20-10S	0	0	N/A
	10-0S	0	0	N/A
	0-10N	0	0	N/A
	10-20N	2	2	100.00%
	20-30N	35	28	80.00%
	30-40N	19	17	89.47%
	40-50N	4	4	100.00%
	50-60N	1	0	0.00%
	60-70N	0	0	N/A
	70-80N	0	0	N/A
	80-90N	0	0	N/A
60-70E	90-80S	0	0	N/A
	80-70S	0	0	N/A
	70-60S	0	0	N/A
	60-50S	0	0	N/A
	50-40S	0	0	N/A
	40-30S	0	0	N/A
	30-20S	0	0	N/A

70-80E	20-10S	0	0	N/A
	10-0S	0	0	N/A
	0-10N	0	0	N/A
	10-20N	6	5	83.33%
	20-30N	22	20	90.91%
	30-40N	13	7	53.85%
	40-50N	0	0	N/A
	50-60N	1	1	100.00%
	60-70N	1	0	0.00%
	70-80N	2	0	0.00%
	80-90N	0	0	N/A
	90-80S	0	0	N/A
	80-70S	0	0	N/A
	70-60S	0	0	N/A
	60-50S	0	0	N/A
	50-40S	336	336	100.00%
	40-30S	0	0	N/A
	30-20S	0	0	N/A
	20-10S	0	0	N/A
	10-0S	2	0	0.00%
80-90E	0-10N	22	10	45.45%
	10-20N	25	23	92.00%
	20-30N	5	3	60.00%
	30-40N	1	1	100.00%
	40-50N	1	1	100.00%
	50-60N	0	0	N/A
	60-70N	2	2	100.00%
	70-80N	0	0	N/A
	80-90N	0	0	N/A
	90-80S	0	0	N/A
	80-70S	0	0	N/A
	70-60S	0	0	N/A
	60-50S	0	0	N/A
	50-40S	0	0	N/A
	40-30S	0	0	N/A
	30-20S	1	1	100.00%
	20-10S	0	0	N/A
	10-0S	0	0	N/A
	0-10N	0	0	N/A
90-100E	10-20N	9	1	11.11%
	20-30N	6	4	66.67%
	30-40N	1	1	100.00%
	40-50N	0	0	N/A
	50-60N	0	0	N/A
	60-70N	0	0	N/A
	70-80N	0	0	N/A
	80-90N	0	0	N/A
	90-80S	0	0	N/A
	80-70S	0	0	N/A
	70-60S	0	0	N/A
	60-50S	0	0	N/A
	50-40S	0	0	N/A
	40-30S	0	0	N/A
	30-20S	0	0	N/A

	20-10S	0	0	N/A
	10-0S	0	0	N/A
	0-10N	10	3	30.00%
	10-20N	1	1	100.00%
	20-30N	10	10	100.00%
	30-40N	0	0	N/A
	40-50N	0	0	N/A
	50-60N	0	0	N/A
	60-70N	0	0	N/A
	70-80N	1	0	0.00%
	80-90N	0	0	N/A
100-110E	90-80S	0	0	N/A
	80-70S	0	0	N/A
	70-60S	0	0	N/A
	60-50S	0	0	N/A
	50-40S	0	0	N/A
	40-30S	0	0	N/A
	30-20S	0	0	N/A
	20-10S	0	0	N/A
	10-0S	41	37	90.24%
	0-10N	4	0	0.00%
	10-20N	5	4	80.00%
	20-30N	1	1	100.00%
	30-40N	0	0	N/A
	40-50N	0	0	N/A
	50-60N	0	0	N/A
	60-70N	1	0	0.00%
	70-80N	1	0	0.00%
	80-90N	0	0	N/A
110-120E	90-80S	0	0	N/A
	80-70S	0	0	N/A
	70-60S	0	0	N/A
	60-50S	0	0	N/A
	50-40S	0	0	N/A
	40-30S	21	8	38.10%
	30-20S	3	0	0.00%
	20-10S	0	0	N/A
	10-0S	4	3	75.00%
	0-10N	16	14	87.50%
	10-20N	0	0	N/A
	20-30N	13	5	38.46%
	30-40N	14	3	21.43%
	40-50N	1	0	0.00%
	50-60N	6	6	100.00%
	60-70N	0	0	N/A
	70-80N	0	0	N/A
	80-90N	0	0	N/A
120-130E	90-80S	0	0	N/A
	80-70S	0	0	N/A
	70-60S	0	0	N/A
	60-50S	0	0	N/A
	50-40S	0	0	N/A
	40-30S	0	0	N/A
	30-20S	0	0	N/A

	20-10S	0	0	N/A
	10-0S	1	1	100.00%
	0-10N	0	0	N/A
	10-20N	1	0	0.00%
	20-30N	1	1	100.00%
	30-40N	105	14	13.33%
	40-50N	0	0	N/A
	50-60N	0	0	N/A
	60-70N	0	0	N/A
	70-80N	2	0	0.00%
	80-90N	0	0	N/A
130-140E	90-80S	0	0	N/A
	80-70S	0	0	N/A
	70-60S	0	0	N/A
	60-50S	0	0	N/A
	50-40S	0	0	N/A
	40-30S	0	0	N/A
	30-20S	3	3	100.00%
	20-10S	3	3	100.00%
	10-0S	8	1	12.50%
	0-10N	1	0	0.00%
	10-20N	0	0	N/A
	20-30N	5	0	0.00%
	30-40N	0	0	N/A
	40-50N	4	0	0.00%
	50-60N	0	0	N/A
	60-70N	0	0	N/A
	70-80N	2	0	0.00%
	80-90N	0	0	N/A
140-150E	90-80S	0	0	N/A
	80-70S	0	0	N/A
	70-60S	0	0	N/A
	60-50S	0	0	N/A
	50-40S	0	0	N/A
	40-30S	0	0	N/A
	30-20S	0	0	N/A
	20-10S	3	3	100.00%
	10-0S	5	2	40.00%
	0-10N	0	0	N/A
	10-20N	0	0	N/A
	20-30N	0	0	N/A
	30-40N	0	0	N/A
	40-50N	2	0	0.00%
	50-60N	0	0	N/A
	60-70N	0	0	N/A
	70-80N	2	0	0.00%
	80-90N	0	0	N/A
150-160E	90-80S	0	0	N/A
	80-70S	0	0	N/A
	70-60S	0	0	N/A
	60-50S	0	0	N/A
	50-40S	1	0	0.00%
	40-30S	0	0	N/A
	30-20S	30	30	100.00%

	20-10S	0	0	N/A
	10-0S	2	1	50.00%
	0-10N	0	0	N/A
	10-20N	1	0	0.00%
	20-30N	0	0	N/A
	30-40N	0	0	N/A
	40-50N	2	0	0.00%
	50-60N	0	0	N/A
	60-70N	0	0	N/A
	70-80N	1	0	0.00%
	80-90N	0	0	N/A
160-170E	90-80S	0	0	N/A
	80-70S	595	0	0.00%
	70-60S	0	0	N/A
	60-50S	0	0	N/A
	50-40S	0	0	N/A
	40-30S	0	0	N/A
	30-20S	0	0	N/A
	20-10S	1	0	0.00%
	10-0S	0	0	N/A
	0-10N	0	0	N/A
	10-20N	0	0	N/A
	20-30N	0	0	N/A
	30-40N	0	0	N/A
	40-50N	0	0	N/A
	50-60N	2	0	0.00%
	60-70N	2	0	0.00%
	70-80N	0	0	N/A
	80-90N	0	0	N/A
170-180E	90-80S	0	0	N/A
	80-70S	0	0	N/A
	70-60S	0	0	N/A
	60-50S	0	0	N/A
	50-40S	6	0	0.00%
	40-30S	0	0	N/A
	30-20S	0	0	N/A
	20-10S	0	0	N/A
	10-0S	0	0	N/A
	0-10N	0	0	N/A
	10-20N	0	0	N/A
	20-30N	1	0	0.00%
	30-40N	0	0	N/A
	40-50N	0	0	N/A
	50-60N	4	0	0.00%
	60-70N	2	0	0.00%
	70-80N	0	0	N/A
	80-90N	0	0	N/A

Table 9: Sample Table of Coverage Statistics

“The coverage of the Electro GEOSAR system is evaluated using a combination of:

- technical tests, in which a beacon is activated for a period of time, during which it crosses in or out of the Electro GEOSAR coverage area; and
- evaluating real beacon alerts detected by the LEOSAR system, and assessing if the same alerts were detected by the Electro GEOSAR system.”

The Electro-L1 coverage area was investigated through the second method only. The locations obtained by the Ankara LEOLUTs (2711 and 2712) and the detections made by the Ankara GEOLUT (2713) tracking Electro-L1 from 5 July 12:44 UTC to 12 July 2011 08:16 UTC were used for that investigation. The results can be found in Figures 9-a and 9-b and Tables 9-a and 9-b.

3.9.3 Test Anomalies

The LEOSAR locations derived from the simulator-generated bursts for tests T-1-2-3, T-4 and T6 (i.e. 9C5C0xxxxxxxxxx) were excluded from the analysis as those locations, all derived from bursts transmitted from the TRGEO location, were deemed not to add any value to the evaluation of the coverage area.

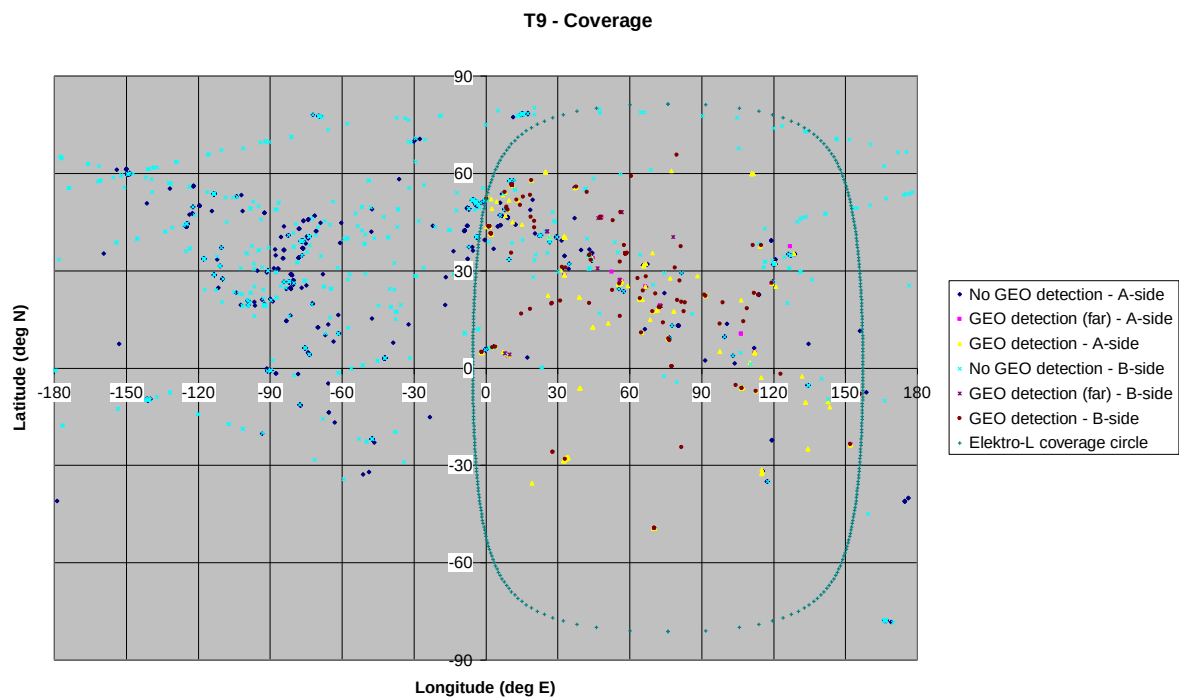


Figure 9-a: TRLEOs locations worldwide (5-12 July 2011)

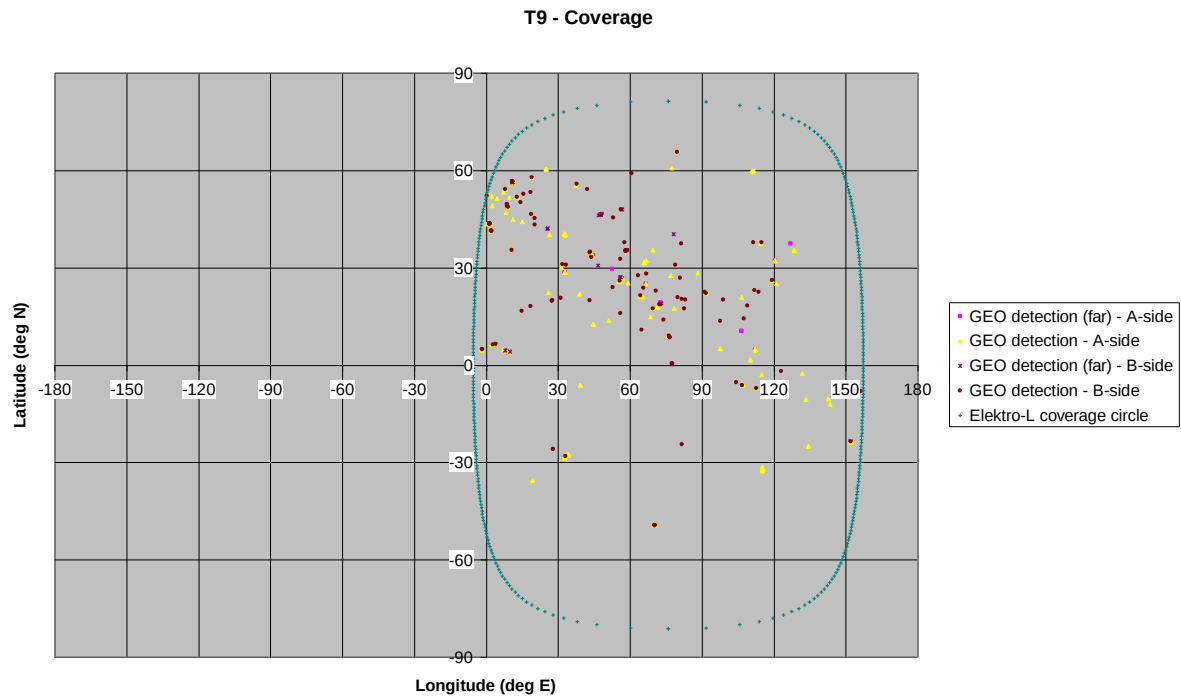


Figure 9-b: TRLEOs locations also detected by TRGEO/Electro-L1 (5-12 July 2011)

[illegible][illegible]

Table 9-b: TRLEOs locations also detected by TRGEO/Electro-L1 (5-12 July 2011)

4. CONCLUSIONS

The Electro-L1 GEOSAR performance evaluation test results show that the Electro GEOSAR system reliably detects, within an average of less than 1 minute, beacons with uplink EIRPs greater than 29 dBm. Furthermore, at the same 29 dBm threshold the system also reliably provides confirmed complete beacon messages. The ability to provide confirmed complete messages indicates that the Electro GEOSAR system will effectively provide MCCs with precise encoded location information when this data is transmitted in location protocol beacons.

The results also indicate that for beacon populations with uplink EIRP values exceeding 34 dBm, the capacity would reach 25 simultaneously active beacons, and that at this load the Electro GEOSAR system would reliably provide complete confirmed beacon messages.

CALCULATION OF C/No**ELECTRO-L Link Budget (5 m Antenna)**

System Constants	Units	Value
Boltzman's Constant	Joules/K	1.38E-23
Satellite Semi-Major Axis	km	42160
Earth Radius	km	6378.135

Parameter	Units	Nominal Case
Beacon EIRP	dBW	7.00
Elevation	deg	26.23
Range	km	38951.19
Uplink Frequency	MHz	406.0595
Path Loss	dB	176.38
Polarization Loss (Ref 1)	dB	4.10
Fade Margin	dB	1.00
Satellite G/T (Ref 1)	dB/degK	-17.50
Uplink C/No	dB-Hz	36.62
Satellite EIRP (Ref 1)	dBW	18.00
Elevation	deg	26.23
Range	km	38951.19
Downlink Frequency	MHz	1544.50
Path Loss	dB	187.99
Power Sharing Loss (80 kHz BW)	dB	13.1
Polarization Loss	dB	4.50
Modulation Loss	dB	2.00
Ground Station G/T	dB/degK	10.866
Downlink C/No	dB-Hz	49.88
Receive C/No	dB-Hz	36.42

– END OF ANNEX F–

– END OF DOCUMENT–

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