FCC TEST REPORT and IC TEST REPORT

Report No.: T140415W01-RP2

For

LE910-NAG

Model: LE910-NAG

Trade Name: Telit

Issued to

Telit Communications S.P.A. Via Stazione di Prosecco 5/B 34010 Sgonico, Trieste - Italy

Issued by

Compliance Certification Services Inc.
No.11, Wugong 6th Rd., Wugu Dist.,
New Taipei City 24891, Taiwan. (R.O.C.)
http://www.ccsrf.com
service@ccsrf.com
Issued Date: May 5, 2014





Note: This report shall not be reproduced except in full, without the written approval of Compliance Certification Services Inc. This document may be altered or revised by Compliance Certification Services Inc. personnel only, and shall be noted in the revision section of the document.

Revision History

Report No.: T140415W01-RP2

Rev.	Issue Date	Revisions Effect Page Ro		Revised By
00	May 5, 2014	Initial Issue	ALL	Angel Cheng

Page 2 Rev. 00

TABLE OF CONTENTS

1.	TEST RESULT CERTIFICATION	4
2.	EUT DESCRIPTION	7
3.	TEST METHODOLOGY	8
3.1	DESCRIPTION OF TEST TYPE	8
4.	INSTRUMENT CALIBRATION	9
4.1	MEASURING INSTRUMENT CALIBRATION	9
4.2	MEASUREMENT EQUIPMENT USED	9
4.3	MEASUREMENT UNCERTAINTY	10
5.	FACILITIES AND ACCREDITATIONS	11
5.1	FACILITIES	11
5.2	EQUIPMENT	11
5.3	TABLE OF ACCREDITATIONS AND LISTINGS	12
6.	SETUP OF EQUIPMENT UNDER TEST	13
6.1	SETUP CONFIGURATION OF EUT	13
6.2	SUPPORT EQUIPMENT	13
7.	TEST PROCEDURE AND RESULT	14
7.1	OUTPUT POWER MEASUREMENT	14
7.2	FREQUENCY STABILITY MEASUREMENT	30
7.3	OCCUPIED BANDWIDTH MEASUREMENT	33
7.4	BAND EDGE MEASUREMENT	52
7.5	CONDUCTED SPURIOUS EMISSIONS	57
7.6	RADIATED EMISSION MEASUREMENT	73
APPE	ENDIX II PHOTOGRAPHS OF TEST SETUP	134

1. TEST RESULT CERTIFICATION

Applicant: Telit Communications S.P.A.

Via Stazione di Prosecco 5/B

34010 Sgonico, Trieste - ItalyN

Report No.: T140415W01-RP2

Manufacturer: Telit Communications S.P.A.

Via Stazione di Prosecco 5/B

34010 Sgonico, Trieste - ItalyN

Equipment Under Test: LE910-NAG

Trade Name: Telit

Model: LE910-NAG

Date of Test: May 4, 2014

FCC PART 27, SUBPART C, L, FCC PART 2				
OPERATING BAND: 704 - 716 MHZ				
STANDARD	TEST TYPE AND LIMIT			
2.1046 27.50(B)(10) & RSS-130 Issue 1 October 2013 4.4	Maximum Peak Output Power Limit: max. 3 watts e.r.p peak power			
2.1055 27.54 & RSS-130 Issue 1 October 2013 4.3	Frequency Stability			
2.1049 27.53(g) & RSS-130 Issue 1 October 2013 4.3	Occupied Bandwidth			
27.50(d)(5)	Peak to average ratio			
27.53(g)	Band Edge Measurements			
2.1051 27.53(g) & RSS-130 Issue 1 October 2013 4.6	Conducted Spurious Emissions			
2.1053 27.53(g) & RSS-130 Issue 1 October 2013 4.6	Radiated Spurious Emissions			

Page 4 Rev. 00

OPERATING BAND: 1710~1755 MHZ				
Standard	TEST TYPE AND LIMIT			
2.1046 27.50(d)(4) & RSS-139 Issue 2 February 2009 6.4	Maximum Peak Output Power Limit: max. 1 watts e.i.r.p peak power max. 5 watts for Band 17			
2.1055 27.54 & RSS-139 Issue 2 February 2009 6.3	Frequency Stability			
2.1049 27.53(h) & RSS-139 Issue 2 February 2009 2.3	Occupied Bandwidth			
27.50(d)(5)	Peak to average ratio			
27.53(h)	Band Edge Measurements			
2.1051 27.53(h) & RSS-139 Issue 2 February 2009 6.5	Conducted Spurious Emissions			
2.1053 27.53(h) & RSS-139 Issue 2 February 2009 6.5 6.6	Radiated Spurious Emissions			

Note: 1. The test result judgment is decided by the limit of test standard

2. The information of measurement uncertainty is available upon the customer's request.

Page 5 Rev. 00

Deviation from Applicable Standard

None

The above equipment has been tested by Compliance Certification Services Inc., and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Approved by Reviewed by

Miller Lee

Section Manager Compliance Certification Services Inc.

Willer Lee

Angel Cheng Section Manager

Compliance Certification Services Inc.

Angel Chenf

Report No.: T140415W01-RP2

Page 6 Rev. 00

2. EUT DESCRIPTION

Product	LE910-NAG					
Model Number	LE910-NAG					
Model Discrepancy	N/A					
Trade	Telit					
Received Date	April 15, 2014					
Power Supply	DC 3.7V powered from Host device	ee.				
7. 1. 1	LTE Band 4	QPSK, 16QAM				
Modulation Technology	LTE Band 17	QPSK, 16QAM				
	LTE Band 4 Channel Bandwidth: 5MHz	1712.5MHz ~1752.5MHz				
	LTE Band 4 Channel Bandwidth: 10MHz	1715.0MHz ~1750.0MHz				
Frequency Range	LTE Band 4 Channel Bandwidth: 20MHz	1720MHz ~1745MHz				
	LTE Band 17 Channel Bandwidth: 5MHz	706.5MHz ~ 713.5MHz				
	LTE Band 17 Channel Bandwidth: 10MHz	709MHz ~ 711MHz				
	LTE Band 4 Channel Bandwidth: 5MHz	QPSK: 17.81dBm 16QAM: 17.91dBm				
	LTE Band 4 Channel Bandwidth: 10MHz	QPSK: 16.06dBm 16QAM: 16.73dBm				
Maximum EIRP Power	LTE Band 4 Channel Bandwidth: 20MHz	QPSK: 15.90dBm 16QAM: 16.00dBm				
	LTE Band 17 Channel Bandwidth: 5MHz	QPSK: 24.44dBm 16QAM: 20.77dBm				
	LTE Band 17 Channel Bandwidth: 10MHz	QPSK: 19.98dBm 16QAM: 19.00dBm				
Category	LTE: 3					
Antenna Specification	1/41 Antenna / Gain: 2.14 dBi					

Note: 1. The above EUT information was declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.

Page 7 Rev. 00

3. TEST METHODOLOGY

3.1 DESCRIPTION OF TEST TYPE

The EUT (model: LE910-NAG) had been tested under operating condition.

Software used to control the EUT for staying in continuous transmitting mode was programmed.

Report No.: T140415W01-RP2

LTE Band 4: 1710MHz ~ 1755MHz

Three channels had been tested for each channel bandwidth.

Channel	5MHz		10MHz		20MHz	
Channel Bandwidth	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low channel (L)	19975	1712.5	20000	1715.0	20050	1720.00
Middle channel (M)	20175	1732.5	20175	1732.5	20175	1732.50
High channel (H)	20375	1752.5	20350	1750.0	20300	1745.00

LTE Band 17: 2500 MHz ~ 2570 MHz

Three channels had been tested for each channel bandwidth.

Channel	5M	IHz	10MHz		
Bandwidth	Channel	Frequency(MHz)	Channel	Frequency(MHz)	
Low channel (L)	23755	706.5	23780	709.0	
Middle channel (M)	23790	710.0	23790	710.0	
High channel (H)	23825	713.5	23800	711.0	

Page 8 Rev. 00

4. INSTRUMENT CALIBRATION

4.1 MEASURING INSTRUMENT CALIBRATION

The measuring equipment, which was utilized in performing the tests documented herein, has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipment, which is traceable to recognized national standards.

Report No.: T140415W01-RP2

4.2 MEASUREMENT EQUIPMENT USED

Equipment Used for Emissions Measurement

Remark: Each piece of equipment is scheduled for calibration once a year.

Conducted Emissions Test Site					
Name of Equipment Manufacturer Model Serial Number Calibratio					
Spectrum Analyzer	Agilent	E4446A	MY43360131	03/19/2015	
Power Meter	Anritsu	ML2495A	1012009	06/04/2014	
Power Sensor	Anritsu	MA2411A	0917072	06/04/2014	

3M Semi Anechoic Chamber					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due	
Spectrum Analyzer	Agilent	E4446A	US42510268	11/05/2014	
EMI Test Receiver	R&S	ESCI	100064	02/16/2015	
Pre-Amplifier	Mini-Circults	ZFL-1000LN	SF350700823	01/11/2015	
Bilog Antenna	Sunol Sciences	JB3	A030105	02/16/2015	
Bilog Antenna	Sunol Sciences	JB3	A030205	10/01/2014	
Horn Antenna	EMCO	3117	00055165	02/16/2015	
Horn Antenna	EMCO	3117	00055167	01/27/2015	
Horn Antenna	EMCO	3116	26370	01/06/2015	
Loop Antenna	EMCO	6502	8905/2356	06/12/2014	
Turn Table	CCS	CC-T-1F	N/A	N.C.R	
Antenna Tower	CCS	CC-A-1F	N/A	N.C.R	
Controller	CCS	CC-C-1F	N/A	N.C.R	
Site NSA	CCS	N/A	N/A	12/21/2014	
Test S/W	EZ-EMC (CCS-3A1RE)				

Page 9 Rev. 00

4.3 MEASUREMENT UNCERTAINTY

PARAMETER	UNCERTAINTY
3M Semi Anechoic Chamber / 30M~200M	+/- 4.0138
3M Semi Anechoic Chamber / 200M~1000M	+/- 3.9483
3M Semi Anechoic Chamber / 1G~8G	+/- 2.5975
3M Semi Anechoic Chamber / 8G~18G	+/- 2.6112
3M Semi Anechoic Chamber / 18G~26G	+/- 2.7389
3M Semi Anechoic Chamber / 26G~40G	+/- 2.9683

Remark: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Page 10 Rev. 00

5. FACILITIES AND ACCREDITATIONS

All measurement facilities used to collect the measurement data are located at

5.1 FACILITIES

No.199, Chunghsen Road, Hsintien City, Taipei Hsien, Taiwan, R.O.C. Tel: 886-2-2217-0894 / Fax: 886-2-2217-1029
No.11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan. (R.O.C.) Tel: 886-2-2299-9720 / Fax: 886-2-2298-4045
No.81-1, Lane 210, Bade 2nd Rd., Luchu Hsiang, Taoyuan Hsien 338, Taiwan Tel: 886-3-324-0332 / Fax: 886-3-324-5235
The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 and

CISPR Publication 22.

5.2 EQUIPMENT

Radiated emissions are measured with one or more of the following types of linearly polarized antennas: tuned dipole, biconical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with pre-selectors and quasi-peak detectors are used to perform radiated measurements.

Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers.

Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

Page 11 Rev. 00

5.3 TABLE OF ACCREDITATIONS AND LISTINGS

Country	Agency	Scope of Accreditation	Logo
USA	FCC	3M Semi Anechoic Chamber (FCC MRA: TW1039) to perform FCC Part 15 measurements	FCC MRA: TW1039
Taiwan	TAF	LP0002, RTTE01, FCC Method-47 CFR Part 15 Subpart C, D, E, RSS-210, RSS-310 IDA TS SRD, AS/NZS 4268, AS/NZS 4771, TS 12.1 & 12,2, ETSI EN 300 440-1, ETSI EN 300 440-2, ETSI EN 300 328, ETSI EN 300 220-1, ETSI EN 300 220-2, ETSI EN 301 893, ETSI EN 301 489-1/3/7/17 FCC OET Bulletin 65 + Supplement C, EN 50360, EN 50361, EN 50371, RSS 102, EN 50383, EN 50385, EN 50392, IEC 62209, CNS 14958-1, CNS 14959 FCC Method -47 CFR Part 15 Subpart B IEC / EN 61000-3-2, IEC / EN 61000-3-3, IEC / EN 61000-4-2/3/4/5/6/8/11	Testing Laboratory 1309
Canada	Industry Canada	3M Semi Anechoic Chamber (IC 2324G-1 / IC 2324G-2) to perform	Canada IC 2324G-1 IC 2324G-2

^{*} No part of this report may be used to claim or imply product endorsement by A2LA or any agency of the US Government.

6. SETUP OF EQUIPMENT UNDER TEST

6.1 SETUP CONFIGURATION OF EUT

See test photographs attached in Appendix I for the actual connections between EUT and support equipment.

Report No.: T140415W01-RP2

6.2 SUPPORT EQUIPMENT

No	Device Type	Brand	Model	Series No.	FCC ID	Data Cable	Power Cord
1.	Radio Communication Analyzer (Remote)	Anritsu	MT8820C	6200938900	N/A	N/A	N/A

Remark:

- 1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

Page 13 Rev. 00

7. TEST PROCEDURE AND RESULT

7.1 OUTPUT POWER MEASUREMENT

LIMITS

Fixed, mobile, and portable (hand-held) stations operating in the 1710–1755 MHz

band are limited to 1 watt EIRP.

Portable stations (hand-held devices) operating in the 698–746 MHz band are limited

to 3 watts ERP

Operating in the Frequency Bands 698-756 MHz shall not exceed 5 watts for portable equipment or for indoor fixed subscriber equipment

TEST PROCEDURES

EIRP/ERP MEASUREMENT:

- 1. The EUT was set up for the maximum power with LTE link data modulation. The power was measured with Spectrum Analyzer. All measurements were done at 3 channels (low, middle and high operational frequency range). RWB and VBW is 10MHz for LTE.
- 2. E.I.R.P power measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- 3. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value" of step a. Record the power level of S.G d. EIRP = Output power level of S.G TX cable loss + Antenna gain of substitution horn
- 4. E.R.P = E.I.R.P 2.15 dB

CONDUCTED POWER MEASUREMENT:

- 1. The EUT was set up for the maximum power with LTE link data modulation and link up with simulator.
- 2. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.

Page 14 Rev. 00

TEST RESULTS

LTE Band 17

Channel Bandwidth: 5MHz

Chamer Bandwidth, 514112					
Conducted Output Power (QPSK 1 RB ALLOCATED AT THE LOWER EDGE)					
Frequency	Power				
(MHz)	Channel	(dBm)	(W)		
706.5	23755	22.57	0.18072		
710.0	23790	21.89	0.15453		
713.5	23825	22.65	0.18408		

Conducted Output Power (QPSK 1 RB ALLOCATED AT THE UPPER EDGE)					
Frequency	Channel	Output	Power		
(MHz)	Channel	(dBm)	(W)		
706.5	23755	21.89	0.15453		
710.0	23790	22.65	0.18408		
713.5	23825	21.60	0.14454		

Conducted Output Power (QPSK 50% RB ALLOCATION CENTERED)					
Frequency	CI. I	Output Power			
(MHz)	Channel	(dBm)	(W)		
706.5	23755	21.37	0.13709		
710.0	23790	21.43	0.13900		
713.5	23825	21.73	0.14894		

Conducted Output Power (QPSK 100% RB ALLOCATION)					
Frequency	Channal	Output	Power		
(MHz)	Channel	(dBm)	(W)		
706.5	23755	21.14	0.13002		
710.0	23790	21.52	0.14191		
713.5	23825	21.42	0.13868		

Remarks:

- 1. Output Power $(dBm) = Raw\ Value\ (dBm) + Correction\ Factor\ (dB)$.
- 2. Correction Factor (dB) = Power Splitter Loss (dB) + Cable Loss (dB) + 20dB Attenuator.
- 3. The value in bold is the worst.

Page 15 Rev. 00

Channel Bandwidth: 5MHz

Conducted Output Power (16QAM 1 RB ALLOCATED AT THE LOWER EDGE)						
Frequency	Frequency	Output Power				
(MHz)	Channel	(dBm)	(W)			
706.5	23755	22.07	0.16106			
710.0	23790	21.40	0.13804			
713.5	23825	22.15	0.16406			

Report No.: T140415W01-RP2

Conducted Output Power (16QAM 1 RB ALLOCATED AT THE UPPER EDGE)					
Frequency	Channel	Output Power			
(MHz)		(dBm)	(W)		
706.5	23755	21.65	0.14622		
710.0	23790	22.15	0.16406		
713.5	23825	21.12	0.12942		

Conducted Output Power (16QAM 50% RB ALLOCATION CENTERED)					
Frequency	CI I	Output Power			
(MHz)	Channel	(dBm)	(W)		
706.5	23755	21.12	0.12942		
710.0	23790	21.25	0.13335		
713.5	23825	21.13	0.12972		

Conducted Output Power (16QAM 100% RB ALLOCATION)						
Frequency	Channel	Output Power				
(MHz)		(dBm)	(W)			
706.5	23755	21.15	0.13032			
710.0	23790	21.98	0.15776			
713.5	23825	21.14	0.13002			

Remarks:

- 1. $Output\ Power\ (dBm) = Raw\ Value\ (dBm) + Correction\ Factor\ (dB)$.
- 2. Correction Factor (dB) = Power Splitter Loss (dB) + Cable Loss (dB) + 20dB Attenuator.
- 3. The value in bold is the worst.

Page 16 Rev. 00

LTE Band 17

Channel Bandwidth: 10MHz

Conducted Output Power (QPSK 1 RB ALLOCATED AT THE LOWER EDGE)					
Frequency	Channel	Output Power			
(MHz)		(dBm)	(W)		
709.0	23780	22.78	0.18967		
710.0	23790	22.43	0.17498		
711.0	23800	22.06	0.16069		

Report No.: T140415W01-RP2

Conducted Output Power (QPSK 1 RB ALLOCATED AT THE UPPER EDGE)					
Frequency	Channel	Output	Power		
(MHz)	Channel	(dBm)	(W)		
709.0	23780	22.76	0.18880		
710.0	23790	22.40	0.17378		
711.0	23800	22.05	0.16032		

Conducted Output Power (QPSK 50% RB ALLOCATION CENTERED)					
Frequency	Channel	Output Power			
(MHz)		(dBm)	(W)		
709.0	23780	21.19	0.13152		
710.0	23790	21.22	0.13243		
711.0	23800	21.33	0.13583		

Conducted Output Power (QPSK 100% RB ALLOCATION)			
Frequency Channel Output Power			
(MHz)	Channel	(dBm)	(W)
709.0	23780	21.24	0.13305
710.0	23790	21.19	0.13152
711.0	23800	21.21	0.13213

Remarks:

- 1. $Output\ Power\ (dBm) = Raw\ Value\ (dBm) + Correction\ Factor\ (dB)$.
- 2. $Correction\ Factor\ (dB) = Power\ Splitter\ Loss\ (dB) + Cable\ Loss\ (dB) + 20dB\ Attenuator.$
- 3. The value in bold is the worst.

Page 17 Rev. 00

Channel Bandwidth: 10MHz

Conducted Output Power (16QAM 1 RB ALLOCATED AT THE LOWER EDGE)			
Frequency	quency Output Power		
(MHz)		(dBm)	(W)
709.0	23780	22.37	0.17258
710.0	23790	22.12	0.16293
711.0	23800	21.74	0.14928

Report No.: T140415W01-RP2

Conducted Output Power (16QAM 1 RB ALLOCATED AT THE UPPER EDGE)					
Frequency	Output Power			CI. I	Power
(MHz)	Channel	(dBm)	(W)		
709.0	23780	22.36	0.17219		
710.0	23790	22.10	0.16218		
711.0	23800	21.82	0.15205		

Conducted Output Power (16QAM 50% RB ALLOCATION CENTERED)			
Frequency	Output Pow		Power
(MHz)	Channel	(dBm)	(W)
709.0	23780	22.42	0.17458
710.0	23790	22.12	0.16293
711.0	23800	21.72	0.14859

Conducted Output Power (16QAM 100% RB ALLOCATION)			
Frequency	Channel	Output	Power
(MHz)	Channel	(dBm)	(W)
709.0	23780	21.19	0.13152
710.0	23790	21.14	0.13002
711.0	23800	21.03	0.12677

Remarks:

- 1. $Output\ Power\ (dBm) = Raw\ Value\ (dBm) + Correction\ Factor\ (dB)$.
- 2. Correction Factor (dB) = Power Splitter Loss (dB) + Cable Loss (dB) + 20dB Attenuator.
- 3. The value in bold is the worst.

Page 18 Rev. 00

LTE Band 4

Channel Bandwidth: 5MHz

Conducted Output Power (QPSK 1 RB ALLOCATED AT THE LOWER EDGE)						
Frequency	Output Power				CI I	Power
(MHz)	Channel	(dBm)	(W)			
1712.5	19975	22.40	0.17378			
1732.5	20175	21.97	0.15740			
1752.5	20375	22.33	0.17100			

Report No.: T140415W01-RP2

Conducted Output Power (QPSK 1 RB ALLOCATED AT THE UPPER EDGE)			
Frequency Changel Output Pov			Power
(MHz)		(dBm)	(W)
1712.5	19975	22.32	0.17061
1732.5	20175	22.04	0.15996
1752.5	20375	22.22	0.16672

Conducted Output Power (QPSK 50% RB ALLOCATION CENTERED)			
Frequency	Output Pow		Power
(MHz)	Channel	(dBm)	(W)
1712.5	19975	21.30	0.13490
1732.5	20175	21.24	0.13305
1752.5	20375	21.26	0.13366

Conducted Output Power (QPSK 100% RB ALLOCATION)			
Frequency Channel Output Power			
(MHz)	Channel	(dBm)	(W)
1712.5	19975	21.52	0.14191
1732.5	20175	21.29	0.13459
1752.5	20375	21.75	0.14962

Remarks:

- 1. $Output\ Power\ (dBm) = Raw\ Value\ (dBm) + Correction\ Factor\ (dB)$.
- 2. $Correction\ Factor\ (dB) = Power\ Splitter\ Loss\ (dB) + Cable\ Loss\ (dB) + 20dB\ Attenuator.$
- 3. The value in bold is the worst.

Page 19 Rev. 00

Channel Bandwidth: 5MHz

Conducted Output Power (16QAM 1 RB ALLOCATED AT THE LOWER EDGE)			
Frequency	Channel	Output	Power
(MHz)	Channel	(dBm)	(W)
1712.5	19975	22.53	0.17906
1732.5	20175	21.89	0.15453
1752.5	20375	22.41	0.17418

Report No.: T140415W01-RP2

Conducted Output Power (16QAM 1 RB ALLOCATED AT THE UPPER EDGE)					
Frequency	Output Power			G. J	Power
(MHz)	Channel	(dBm)	(W)		
1712.5	19975	22.28	0.16904		
1732.5	20175	22.11	0.16255		
1752.5	20375	22.38	0.17298		

Conducted Output Power (16QAM 50% RB ALLOCATION CENTERED)			
Frequency	Output Po		Power
(MHz)	Channel	(dBm)	(W)
1712.5	19975	21.41	0.13836
1732.5	20175	21.36	0.13677
1752.5	20375	21.28	0.13428

Conducted Output Power (16QAM 100% RB ALLOCATION)			
Frequency	Channel	Output	Power
(MHz)	Channel	(dBm)	(W)
1712.5	19975	21.57	0.14355
1732.5	20175	21.15	0.13032
1752.5	20375	21.64	0.14588

Remarks:

- 1. $Output\ Power\ (dBm) = Raw\ Value\ (dBm) + Correction\ Factor\ (dB)$.
- 2. Correction Factor (dB) = Power Splitter Loss (dB) + Cable Loss (dB) + 20dB Attenuator.
- 3. The value in bold is the worst.

Page 20 Rev. 00

LTE Band 4

Channel Bandwidth: 10MHz

Conducted Output Power (QPSK 1 RB ALLOCATED AT THE LOWER EDGE)			
Frequency	Frequency Output Power		
(MHz)		(dBm)	(W)
1715.0	20000	22.56	0.18030
1732.5	20175	21.81	0.15171
1750.0	20350	22.25	0.16788

Report No.: T140415W01-RP2

Conducted Output Power (QPSK 1 RB ALLOCATED AT THE UPPER EDGE)			
Frequency Channel Output Power			
(MHz)	Channel	(dBm)	(W)
1715.0	20000	22.07	0.16106
1732.5	20175	22.34	0.17140
1750.0	20350	22.20	0.16596

Conducted Output Power (QPSK 50% RB ALLOCATION CENTERED)			
Frequency	Channel	Power	
(MHz)	Channel	(dBm)	(W)
1715.0	20000	21.95	0.15668
1732.5	20175	21.36	0.13677
1750.0	20350	21.28	0.13428

Conducted Output Power (QPSK 100% RB ALLOCATION)			
Frequency Channel Output Power			
(MHz)	Channel	(dBm)	(W)
1715.0	20000	21.68	0.14723
1732.5	20175	21.33	0.13583
1750.0	20350	21.71	0.14825

Remarks:

- 1. $Output\ Power\ (dBm) = Raw\ Value\ (dBm) + Correction\ Factor\ (dB)$.
- 2. $Correction\ Factor\ (dB) = Power\ Splitter\ Loss\ (dB) + Cable\ Loss\ (dB) + 20dB\ Attenuator.$
- 3. The value in bold is the worst.

Page 21 Rev. 00

Channel Bandwidth: 10MHz

Conducted Output Power (16QAM RB ALLOCATED AT THE LOWER EDGE)			
Frequency	Output Power		
(MHz)		(dBm)	(W)
1715.0	20000	22.47	0.17660
1732.5	20175	21.96	0.15704
1750.0	20350	22.19	0.16558

Report No.: T140415W01-RP2

Conducted Output Power (16QAM RB ALLOCATED AT THE UPPER EDGE)						
Frequency	Frequency Output Power					Power
(MHz)	Channel	(dBm)	(W)			
1715.0	20000	22.12	0.16293			
1732.5	20175	22.17	0.16482			
1750.0	20350	22.29	0.16943			

Conducted Output Power (16QAM 50% RB ALLOCATION CENTERED)			
Frequency	Channel	Output	Power
(MHz)	Channel	(dBm)	(W)
1715.0	20000	22.01	0.15885
1732.5	20175	21.49	0.14093
1750.0	20350	21.57	0.14355

Conducted Output Power (16QAM 100% RB ALLOCATION)			
Frequency	Channel	Output	Power
(MHz)	Channel	(dBm)	(W)
1715.0	20000	21.74	0.14928
1732.5	20175	21.39	0.13772
1750.0	20350	21.57	0.14355

Remarks:

- 1. $Output\ Power\ (dBm) = Raw\ Value\ (dBm) + Correction\ Factor\ (dB)$.
- 2. Correction Factor (dB) = Power Splitter Loss (dB) + Cable Loss (dB) + 20dB Attenuator.
- 3. The value in bold is the worst.

Page 22 Rev. 00

LTE Band 4

Channel Bandwidth: 20MHz

Conducted Output Power (QPSK 1 RB ALLOCATED AT THE LOWER EDGE)			
Frequency Channel Output Power			Power
(MHz)	Channel	(dBm)	(W)
1720.00	20050	22.58	0.18113
1732.50	20175	22.01	0.15885
1745.00	20300	22.14	0.16368

Report No.: T140415W01-RP2

Conducted Output Power (QPSK 1 RB ALLOCATED AT THE UPPER EDGE)			
Frequency	Channel	Output Power	
(MHz)	Channel	(dBm)	(W)
1720.00	20050	22.15	0.16406
1732.50	20175	21.89	0.15453
1745.00	20300	22.37	0.17258

Conducted Output Power (QPSK 50% RB ALLOCATION CENTERED)			
Frequency	Channel	Power	
(MHz)	Channel	(dBm)	(W)
1720.00	20050	21.77	0.15031
1732.50	20175	21.42	0.13868
1745.00	20300	21.31	0.13521

Conducted Output Power (QPSK 100% RB ALLOCATION)							
Frequency	Channal	Output Power					
(MHz)	Channel	(dBm)	(W)				
1720.00	20050	21.74	0.14928				
1732.50	20175	21.48	0.14060				
1745.00	20300	21.62	0.14521				

Remarks:

- 1. $Output\ Power\ (dBm) = Raw\ Value\ (dBm) + Correction\ Factor\ (dB)$.
- 2. $Correction\ Factor\ (dB) = Power\ Splitter\ Loss\ (dB) + Cable\ Loss\ (dB) + 20dB\ Attenuator.$
- 3. The value in bold is the worst.

Page 23 Rev. 00

Channel Bandwidth: 20MHz

Conducted Output Power (16QAM 1 RB ALLOCATED AT THE LOWER EDGE)							
Frequency	Channel	Output Power					
(MHz)	Channel	(dBm)	(W)				
1720.00	20050	22.89	0.19454				
1732.50	20175	22.14	0.16368				
1745.00	20300	22.13	0.16331				

Report No.: T140415W01-RP2

Conducted Output Power (16QAM 1 RB ALLOCATED AT THE UPPER EDGE)							
Frequency	Channel	Output Power					
(MHz)	Channel	(dBm)	(W)				
1720.00	20050	22.08	0.16144				
1732.50	20175	21.97	0.15740				
1745.00	20300	22.19	0.16558				

Conducted Output Power (16QAM 50% RB ALLOCATION CENTERED)								
Frequency	Channel	Output	Output Power					
(MHz)	Channer	(dBm)	(W)					
1720.00	20050	21.71	0.14825					
1732.50	20175	21.37	0.13709					
1745.00	20300	21.25	0.13335					

Conducted Output Power (16QAM 100% RB ALLOCATION)							
Frequency	Channel	Output Power					
(MHz)	Channer	(dBm)	(W)				
1720.00	20050	21.68	0.14723				
1732.50	20175	21.51	0.14158				
1745.00	20300	21.43	0.13900				

Remarks:

- 1. $Output\ Power\ (dBm) = Raw\ Value\ (dBm) + Correction\ Factor\ (dB)$.
- 2. Correction Factor (dB) = Power Splitter Loss (dB) + Cable Loss (dB) + 20dB Attenuator.
- 3. The value in bold is the worst.

Page 24 Rev. 00

EIRP POWER

LTE Band 17

Channel Bandwidth: 5MHz / QPSK

Channel	Frequency (MHz)	Antenna Pol.	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)
23755	706.5	V	21.22	3.13	6.35	*24.44	38.45	-14.01
23733	706.5	Н	16.11	3.12	6.35	19.34	38.45	-19.11
22700	710.0	V	18.4	3.14	6.31	21.57	38.45	-16.88
23790	710.0	Н	14.18	3.14	6.31	17.35	38.45	-21.10
22025	713.5	V	19.03	3.15	6.34	22.22	38.45	-16.23
23825	713.5	Н	14.99	3.15	6.34	18.18	38.45	-20.27

Channel Bandwidth: 5MHz / 16QAM

Channel	Frequency (MHz)	Antenna Pol.	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)
22755	706.5	V	16.37	3.14	6.31	19.54	38.45	-18.91
23755	706.5	Н	11.87	3.13	6.33	15.07	38.45	-23.38
22700	710.0	V	16.2	3.15	6.34	19.39	38.45	-19.06
23790	710.0	Н	11.68	3.14	6.31	14.85	38.45	-23.60
23825	713.5	V	17.57	3.15	6.35	*20.77	38.45	-17.68
	713.5	Н	12.67	3.15	6.35	15.87	38.45	-22.58

Page 25 Rev. 00

Channel Bandwidth: 10MHz / QPSK

Channel	Frequency (MHz)	Antenna Pol.	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)
22790	709.0	V	14.74	3.15	6.34	17.93	38.45	-20.52
23780	709.0	Н	10.2	3.15	6.34	13.39	38.45	-25.06
22700	710.0	V	14.82	3.14	6.32	18.00	38.45	-20.45
23790	710.0	Н	10.36	3.14	6.32	13.54	38.45	-24.91
23800	711.0	V	16.79	3.14	6.33	*19.98	38.45	-18.47
	711.0	Н	12.41	3.14	6.32	15.59	38.45	-22.86

Channel Bandwidth: 10MHz / 16QAM

Channel	Frequency (MHz)	Antenna Pol.	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)
22700	709.0	V	15.08	3.15	6.34	18.27	38.45	-20.18
23780	709.0	Н	10.64	3.14	6.33	13.83	38.45	-24.62
22700	710.0	V	15.83	3.14	6.31	*19.00	38.45	-19.45
23790	710.0	Н	11.23	3.14	6.31	14.40	38.45	-24.05
23800	711.0	V	15.48	3.14	6.33	18.67	38.45	-19.78
	711.0	Н	10.86	3.14	6.33	14.05	38.45	-24.40

Remark:

- 1. $Output\ Power\ (dBm) = Raw\ Value\ (dBm) + Correction\ Factor\ (dB)$.
- 2. Correction Factor (dB) = S.G Level + Gain of Substitution horn + TX cable loss.
- 3. The value in bold is the worst.

Page 26 Rev. 00

LTE Band 4

Channel Bandwidth: 5MHz / QPSK

Channel	Frequency (MHz)	Antenna Pol.	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)
19975	1712.5	V	15.1	5.14	5.91	15.87	33.00	-17.13
19975	1712.5	Н	14.01	5.13	5.92	14.80	33.00	-18.20
20175	1732.5	V	15.47	5.17	5.88	16.18	33.00	-16.82
20175	1732.5	Н	14.31	5.17	5.88	15.02	33.00	-17.98
20255	1752.5	V	17.16	5.2	5.85	*17.81	33.00	-15.19
20375	1752.5	Н	15.77	5.2	5.85	16.42	33.00	-16.58

Channel Bandwidth: 5MHz / 16QAM

Channel	Frequency (MHz)	Antenna Pol.	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)
10075	1712.5	V	15.9	5.13	5.92	16.69	33.00	-16.31
19975	1712.5	Н	14.41	5.13	5.92	15.20	33.00	-17.80
20175	1732.5	V	15.51	5.17	5.88	16.22	33.00	-16.78
20175	1732.5	Н	14.73	5.17	5.88	15.44	33.00	-17.56
20375	1752.5	V	17.26	5.2	5.85	*17.91	33.00	-15.09
	1752.5	Н	16.46	5.2	5.85	17.11	33.00	-15.89

Page 27 Rev. 00

Channel Bandwidth: 10 MHz / QPSK

Channel	Frequency (MHz)	Antenna Pol.	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)
20000	1715.0	V	13.58	5.14	5.91	14.35	33.00	-18.65
20000	1715.0	Н	12.33	5.14	5.91	13.10	33.00	-19.90
20175	1732.5	V	14.41	5.16	5.89	15.14	33.00	-17.86
20175	1732.5	Н	13.34	5.16	5.89	14.07	33.00	-18.93
20350	1750.0	V	15.41	5.2	5.85	*16.06	33.00	-16.94
	1750.0	Н	14.67	5.21	5.84	15.30	33.00	-17.70

Channel Bandwidth: 10MHz / 16QAM

Channel	Frequency (MHz)	Antenna Pol.	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)
20000	1715.0	V	13.91	5.14	5.91	14.68	33.00	-18.32
20000	1715.0	Н	12.81	5.14	5.91	13.58	33.00	-19.42
20175	1732.5	V	14.74	5.16	5.89	15.47	33.00	-17.53
20175	1732.5	Н	13.64	5.17	5.88	14.35	33.00	-18.65
20250	1750.0	V	16.08	5.2	5.85	*16.73	33.00	-16.27
20350	1750.0	Н	15.1	5.2	5.85	15.75	33.00	-17.25

Page 28 Rev. 00

Channel Bandwidth: 20MHz / QPSK

Channel	Frequency (MHz)	Antenna Pol.	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)
20050	1720.00	V	13.1	5.16	5.89	13.83	33.00	-19.17
20050	1720.00	Н	12.29	5.16	5.89	13.02	33.00	-19.98
20175	1732.50	V	14.06	5.16	5.89	14.79	33.00	-18.21
20175	1732.50	Н	12.84	5.16	5.89	13.57	33.00	-19.43
20200	1745.00	V	15.25	5.2	5.85	*15.90	33.00	-17.10
20300	1745.00	Н	13.67	5.2	5.85	14.32	33.00	-18.68

Channel Bandwidth: 20MHz / 16QAM

Channel	Frequency (MHz)	Antenna Pol.	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)
20050	1720.00	V	13.38	5.16	5.89	14.11	33.00	-18.89
20050	1720.00	Н	12.52	5.15	5.9	13.27	33.00	-19.73
20175	1732.50	V	14.35	5.16	5.89	15.08	33.00	-17.92
20175	1732.50	Н	13.21	5.16	5.89	13.94	33.00	-19.06
20200	1745.00	V	15.35	5.2	5.85	*16.00	33.00	-17.00
20300	1745.00	Н	14.42	5.2	5.85	15.07	33.00	-17.93

Remark:

- 1. $Output\ Power\ (dBm) = Raw\ Value\ (dBm) + Correction\ Factor\ (dB)$.
- 2. $Correction\ Factor\ (dB) = S.G\ Level + Gain\ of\ Substitution\ horn + TX\ cable\ loss.$
- 3. The value in bold is the worst.

Page 29 Rev. 00

7.2 FREQUENCY STABILITY MEASUREMENT

LIMIT

According to the FCC part 27.54 shall be tested the frequency stability. The rule is defined that" The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation. The test extreme voltage is according to the 2.1055(d)(1) Vary primary supply voltage from 85 to 115 percent of the nominal value for other than hand carried battery equipment and the extreme temperature rule is comply with the 1055(a)(1) –30°C ~50°C. According to the RSS-139 Issue 2 February 2009, The frequency stability shall be sufficient to ensure that the emission bandwidth stays within the operating frequency block when tested to the temperature and supply voltage variations specified in RSS-Gen.

Report No.: T140415W01-RP2

According to the RSS-130 Issue 1 October 2013,, The frequency offset shall be measured according to the procedure described in RSS-Gen and recorded.

TEST PROCEDURE

- 1. Because of the measure the carrier frequency under the condition of the AFC lock, it shall be used the mobile station in the LTE link mode. This is accomplished with the use of the communication simulator station. The oven room could control the temperatures and humidity.
- 2. Power must be removed when changing from one temperature to another or one voltage to another voltage. Power warm up is at least 15 min and power applied should perform before recording frequency error.
- 3. Laptop pc is connected the external power supply to control the AC input power. The various Volts from the minimum 126.5 Volts to 93.5 Volts. Each step shall be record the frequency error rate.
- 4. The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the ± 0.5 °C during the measurement testing.
- 5. The each temperature step shall be at least 0.5 hours, consider the EUT could be test under the stability condition.

NOTE: The frequency error was recorded frequency error from the communication simulator.

Page 30 Rev. 00

TEST RESULTS

FREQUENCY STABILITY V.S. TEMPERATURE MEASUREMENT:

LTE Band 17

R	Reference Frequency: LTE Band 17 710 MHz @ 20°C									
	Limit: ± 2.5 ppm = 1775Hz									
Power Supply Vdc	Environment Temperature (°C)	5M Frequency (Hz)	Delta (Hz)	10M Frequency (Hz)	Delta (Hz)	Limit (Hz)				
3.8	50	709999988	-24	709999997	6					
3.8	40	709999995	-17	709999995	4					
3.8	30	709999994	-18	709999978	-13					
3.8	20	710000012	0	709999991	0					
3.8	10	709999992	-20	709999998	7	1775				
3.8	0	709999996	-16	709999993	2					
3.8	-10	709999994	-18	709999992	1					
3.8	-20	709999989	-23	709999995	4					
3.8	-30	710000010	-2	709999989	-2					

LTE Band 4

	Reference Frequency: LTE Band 4 1732.5 MHz @ 20°C								
	Limit: $\pm 2.5 \text{ ppm} = 4331 \text{Hz}$								
Power Supply Vdc	Environment Temperature (°C)	5M Frequency (Hz)	Delta (Hz)	10M Frequency (Hz)	Delta (Hz)	20M Frequency (Hz)	Delta (Hz)	Limit (Hz)	
3.8	50	173249979	-25	173249991	-18	173249995	-9		
3.8	40	173249986	-18	173249997	-12	173249996	-8		
3.8	30	173249995	-9	173249995	-14	173249999	-5		
3.8	20	173250004	0	173250009	0	173250004	0		
3.8	10	173249996	-8	173249991	-18	173249995	-9	4331	
3.8	0	173249989	-15	173249994	-15	173249979	-25		
3.8	-10	173249995	-9	173249975	-34	173249998	-6		
3.8	-20	173249975	-29	173249998	-11	173249998	-6		
3.8	-30	173249991	-13	173249989	-20	173249997	-7		

Page 31 Rev. 00

FREQUENCY STABILITY V.S. VOLTAGE MEASUREMENT:

LTE Band 17

R	Reference Frequency: LTE Band 17 1710 MHz @ 20°C									
Limit: ± 2.5 ppm = 1775Hz										
Power Supply Vdc	Environment Temperature (°C)	5M Frequency (Hz)	Delta (Hz)	10M Frequency (Hz)	Delta (Hz)	Limit (Hz)				
4.37		710000005	-7	710000010	19					
3.8	20	710000012	0	709999991	0	1775				
3.23		709999991	-21	709999992	1					

Report No.: T140415W01-RP2

LTE Band 4

	Reference Frequency: LTE Band 4 1732.5 MHz @ 20°C									
	Limit: ± 2.5 ppm = 4331Hz									
Power Supply Vdc	Environment Temperature (°C)	5M Frequency (Hz)	Delta (Hz)	10M Frequency (Hz)	Delta (Hz)	20M Frequency (Hz)	Delta (Hz)	Limit (Hz)		
4.37		173250005	1	173250011	2	173250005	1			
3.8	20	173250004	0	173250009	0	173250004	0	4331		
3.23		173250009	5	173250006	-3	173250010	6			

Page 32 Rev. 00

7.3 OCCUPIED BANDWIDTH MEASUREMENT

LIMITS

The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5 % of the total mean power of a given emission.

Report No.: T140415W01-RP2

TEST PROCEDURES

- 1. The EUT makes a phone call to the communication simulator. The power was measured with Spectrum Analyzer. All measurements were done at 3 channels. (low, middle and high operational frequency range.)
- 2. The conducted occupied bandwidth used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.
- 3. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth.

Page 33 Rev. 00

TEST RESULTS

LTE Band 17

CHANNEL BANDWIDTH: 5MHz / QPSK

Channel	FREQUENCY	Occupied bandwidth
Channel	(MHz)	(MHz)
Low	706.5	4.5208
Mid	710.0	4.4949
High	713.5	4.4976

Report No.: T140415W01-RP2

CHANNEL BANDWIDTH: 5MHz / 16QAM

Channel	FREQUENCY	Occupied bandwidth
Chainei	(MHz)	(MHz)
Low	706.5	4.5234
Mid	710.0	4.5062
High	713.5	4.5094

CHANNEL BANDWIDTH: 10MHz / QPSK

Channel	FREQUENCY	Occupied bandwidth
Chamiei	(MHz)	(MHz)
Low	709.0	8.9672
Mid	710.0	8.9802
High	711.0	8.9754

CHANNEL BANDWIDTH: 10MHz / 16QAM

Channel	FREQUENCY	Occupied bandwidth
Channel	(MHz)	(MHz)
Low	709.0	9.0144
Mid	710.0	8.9527
High	711.0	8.9342

Page 34 Rev. 00

LTE Band 4

CHANNEL BANDWIDTH: 5MHz / QPSK

Channel	FREQUENCY	Occupied bandwidth
Channel	(MHz)	(MHz)
Low	1712.5	4.5070
Mid	1732.5	4.5103
High	1752.5	4.5060

Report No.: T140415W01-RP2

CHANNEL BANDWIDTH: 5MHz / 16QAM

Channel	FREQUENCY	Occupied bandwidth
	(MHz)	(MHz)
Low	1712.5	4.4983
Mid	1732.5	4.4933
High	1752.5	4.5051

CHANNEL BANDWIDTH: 10MHz / QPSK

Channel	FREQUENCY	Occupied bandwidth
	(MHz)	(MHz)
Low	1715.0	9.0009
Mid	1732.5	9.0091
High	1750.0	8.9683

CHANNEL BANDWIDTH: 10MHz / 16QAM

Channel	FREQUENCY	Occupied bandwidth
	(MHz)	(MHz)
Low	1715.0	8.9644
Mid	1732.5	8.9783
High	1750.0	8.9702

Page 35 Rev. 00

CHANNEL BANDWIDTH: 20MHz / QPSK

Channel	FREQUENCY	Occupied bandwidth
	(MHz)	(MHz)
Low	20050	17.9213
Mid	20170	17.9245
High	20300	17.9077

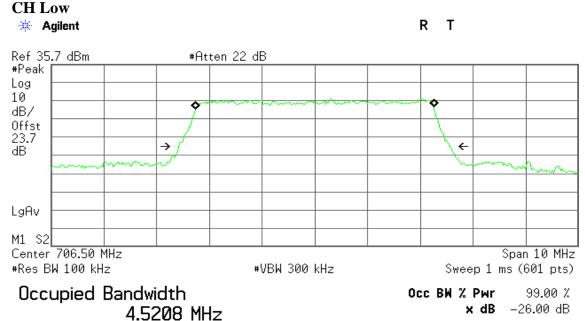
Report No.: T140415W01-RP2

CHANNEL BANDWIDTH: 20MHz / 16QAM

Channel	FREQUENCY	Occupied bandwidth
	(MHz)	(MHz)
Low	20050	17.8817
Mid	20170	17.9538
High	20300	17.9567

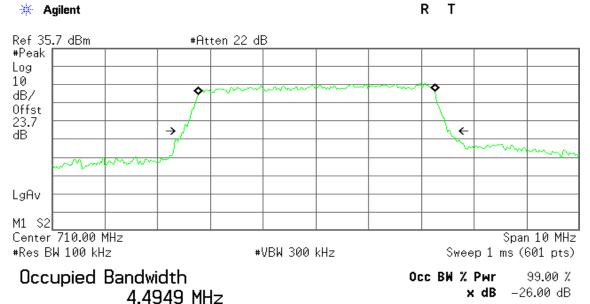
Page 36 Rev. 00

LTE Band 17 CHANNEL BANDWIDTH: 5MHz/QPSK



Transmit Freq Error 174.695 Hz x dB Bandwidth 5.144 MHz

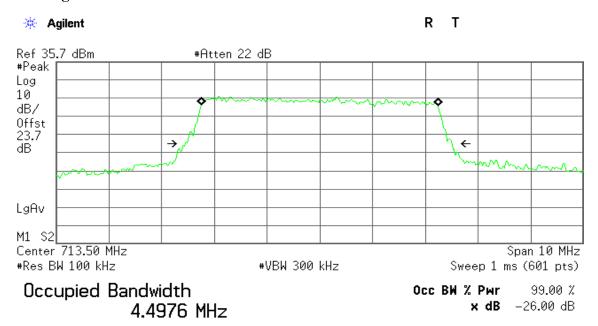
CH Mid



Transmit Freq Error 14.227 kHz x dB Bandwidth 5.057 MHz

Page 37 Rev. 00

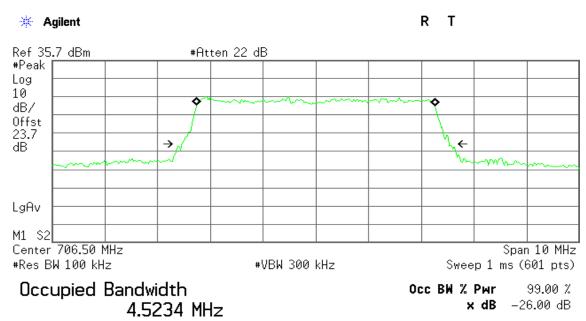
CH High



Transmit Freq Error -5.565 kHz x dB Bandwidth 5.065 MHz

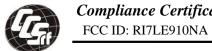
CHANNEL BANDWIDTH: 5MHz / 16QAM

CH Low

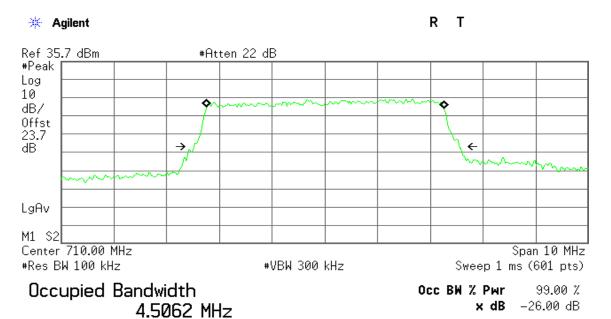


Transmit Freq Error 1.485 kHz x dB Bandwidth 5.072 MHz

Page 38 Rev. 00

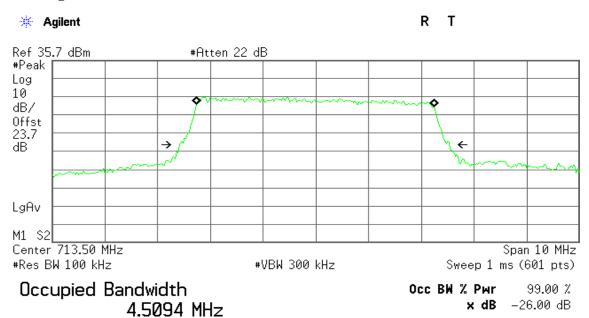


CH Mid



Transmit Freq Error 9.902 kHz x dB Bandwidth 5.032 MHz

CH High

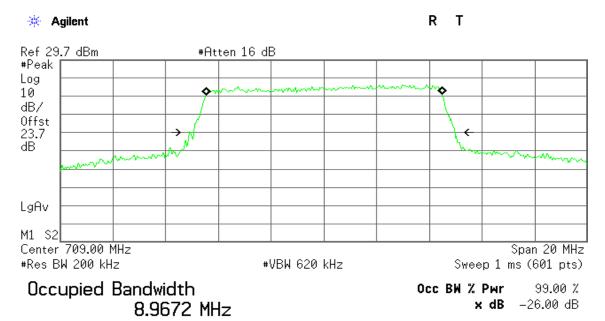


Transmit Freq Error -11.712 kHz 5.123 MHz x dB Bandwidth

> Page 39 Rev. 00

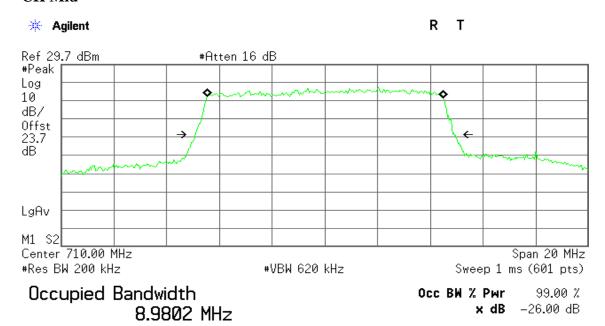
CHANNEL BANDWIDTH: 10MHz/QPSK

CH Low



Transmit Freq Error 10.672 kHz x dB Bandwidth 10.086 MHz

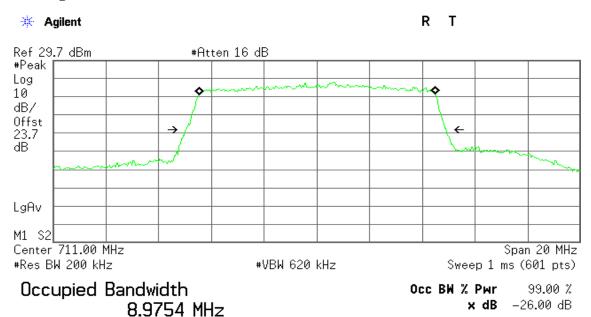
CH Mid



Transmit Freq Error 8.527 kHz x dB Bandwidth 9.843 MHz

Page 40 Rev. 00

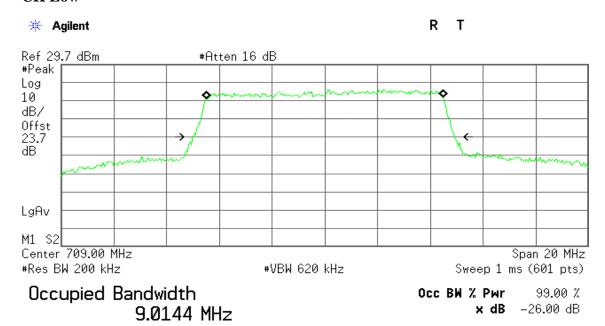




Transmit Freq Error 5.189 kHz x dB Bandwidth 9.878 MHz

CHANNEL BANDWIDTH: 10MHz / 16QAM

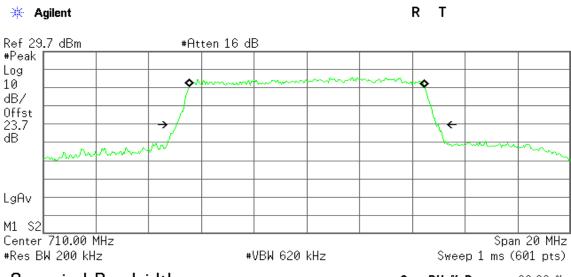
CH Low



Transmit Freq Error -3.440 kHz x dB Bandwidth 9.945 MHz

Page 41 Rev. 00

CH Mid

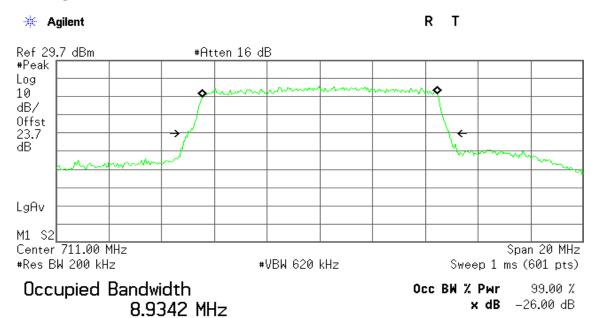


Occupied Bandwidth 8.9527 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB

Report No.: T140415W01-RP2

Transmit Freq Error 1.787 kHz x dB Bandwidth 9.964 MHz

CH High



Transmit Freq Error 8.400 kHz x dB Bandwidth 9.927 MHz

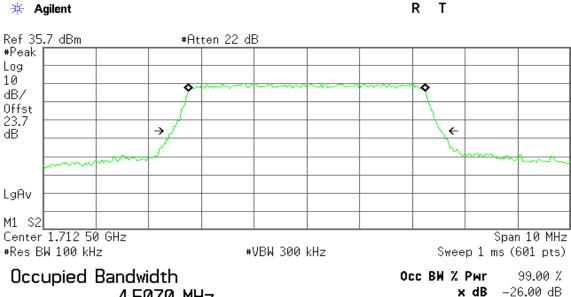
Page 42 Rev. 00

IC: 5131A-LE910NA

LTE Band 4

CHANNEL BANDWIDTH: 5MHz / QPSK

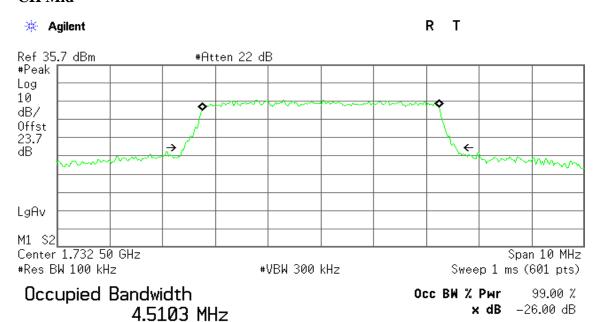
CH Low



4.5070 MHz

Transmit Freg Error 1.226 kHz x dB Bandwidth 5.078 MHz

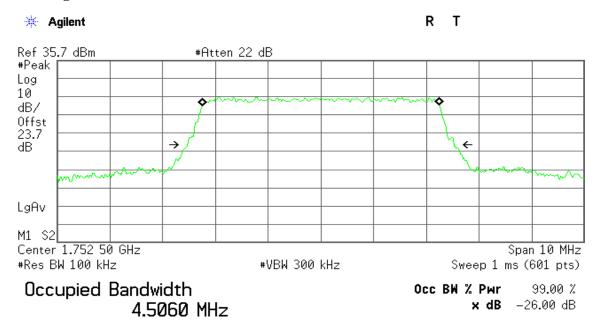
CH Mid



Transmit Freq Error -2.928 kHz x dB Bandwidth 5.146 MHz

> Page 43 Rev. 00

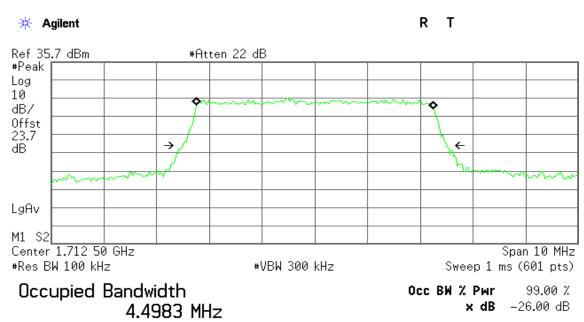
CH High



Transmit Freq Error -927.420 Hz x dB Bandwidth 5.062 MHz

CHANNEL BANDWIDTH: 5MHz / 16QAM

CH Low

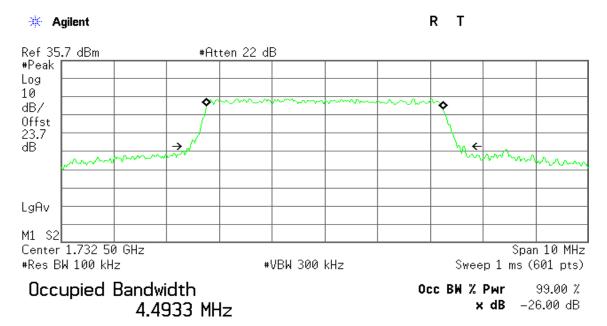


Transmit Freq Error 2.544 kHz x dB Bandwidth 5.013 MHz

Page 44 Rev. 00

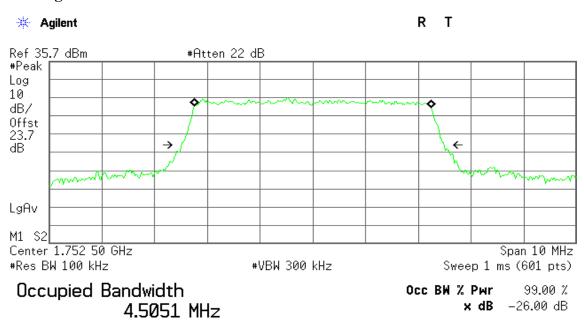
A IC: 5131A-LE910NA Report No.: T140415W01-RP2

CH Mid



Transmit Freq Error -464.172 Hz x dB Bandwidth 5.187 MHz

CH High

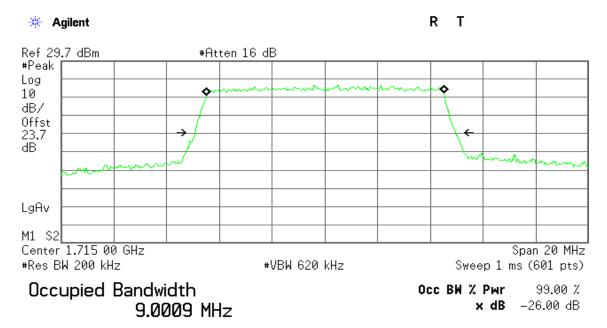


Transmit Freq Error -1.315 kHz x dB Bandwidth 4.990 MHz

Page 45 Rev. 00

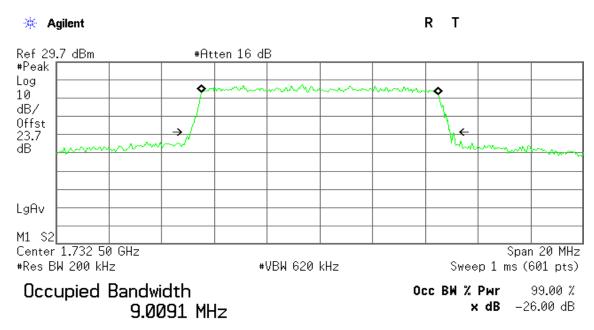
CHANNEL BANDWIDTH: 10MHz / QPSK

CH Low



Transmit Freq Error 16.332 kHz x dB Bandwidth 9.899 MHz

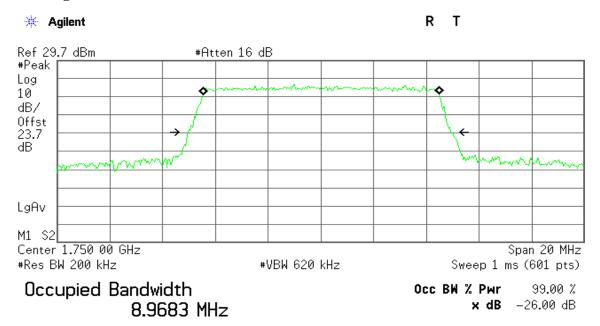
CH Mid



Transmit Freq Error 7.886 kHz x dB Bandwidth 9.858 MHz

Page 46 Rev. 00

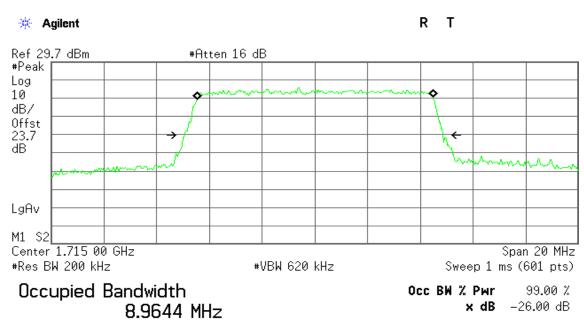
CH High



Transmit Freq Error 4.873 kHz x dB Bandwidth 9.980 MHz

CHANNEL BANDWIDTH: 10MHz / 16QAM

CH Low

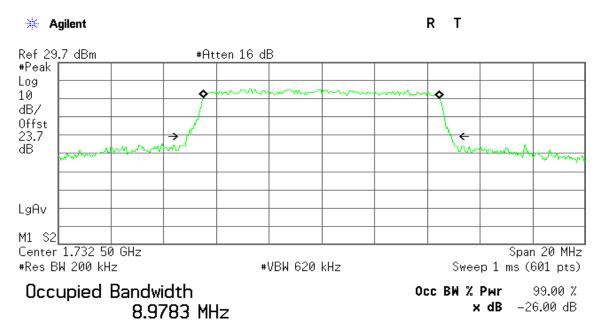


Transmit Freq Error 9.515 kHz x dB Bandwidth 9.818 MHz

Page 47 Rev. 00

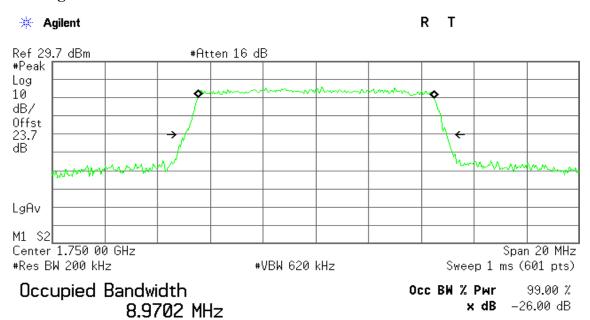
IC: 5131A-LE910NA Report No.: T140415W01-RP2

CH Mid



Transmit Freq Error -16.446 kHz x dB Bandwidth 10.037 MHz

CH High

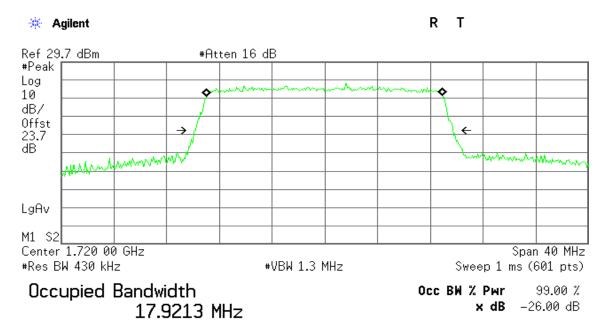


Transmit Freq Error 13.867 kHz x dB Bandwidth 9.924 MHz

> Page 48 Rev. 00

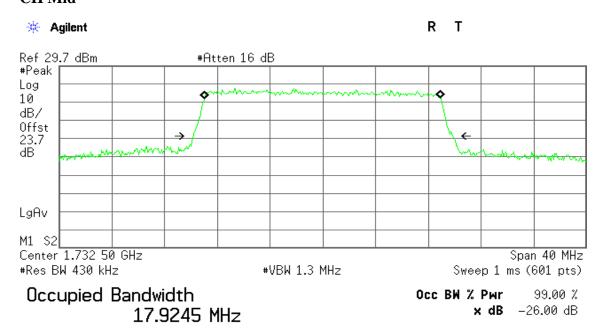
CHANNEL BANDWIDTH: 20MHz / QPSK

CH Low



Transmit Freq Error -9.486 kHz x dB Bandwidth 19.627 MHz

CH Mid

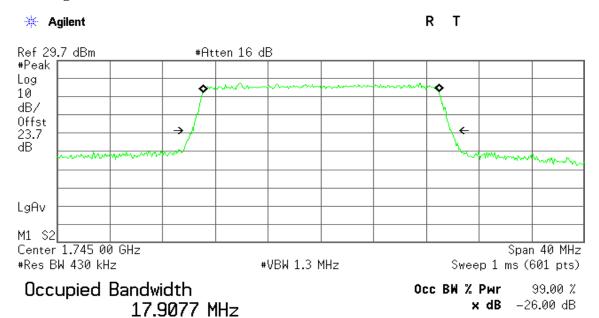


Transmit Freq Error -21.595 kHz x dB Bandwidth 19.701 MHz

Page 49 Rev. 00

IC: 5131A-LE910NA Report No.: T140415W01-RP2

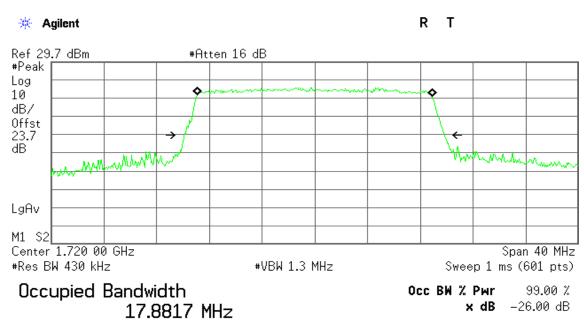
CH High



Transmit Freq Error 14.447 kHz x dB Bandwidth 19.644 MHz

CHANNEL BANDWIDTH: 20MHz / 16QAM

CH Low

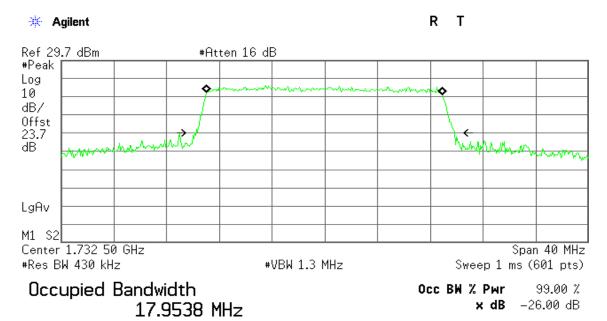


Transmit Freq Error -8.437 kHz x dB Bandwidth 19.730 MHz

> Page 50 Rev. 00

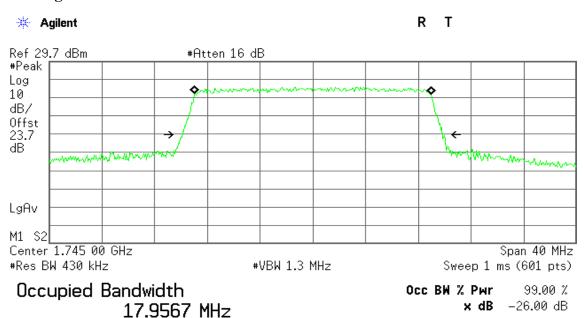
IC: 5131A-LE910NA

CH Mid



Transmit Freq Error -28.824 kHz x dB Bandwidth 19.753 MHz

CH High



Transmit Freq Error 1.751 kHz 19.751 MHz x dB Bandwidth

> Page 51 Rev. 00

7.4BAND EDGE MEASUREMENT

LIMIT

For operations in the 698–746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed. For operations in the 1710–1755 MHz and 2110–2155 MHz bands, the power of any

Report No.: T140415W01-RP2

emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 43 +10 log10(P) dB. The limit of emission equal to -13dBm.In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

TEST PROCEDURES

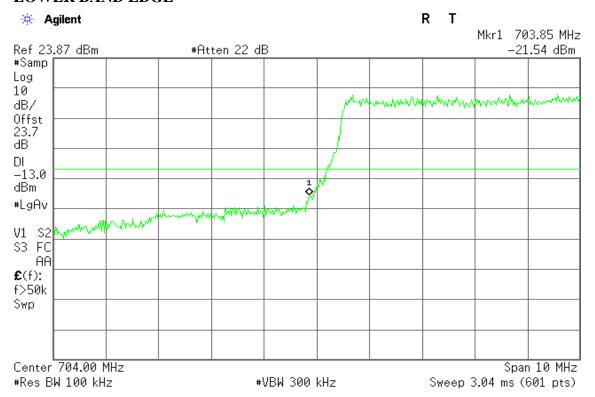
- 1. The EUT was set up for the maximum peak power with LTE link data modulation. The power was measured with Spectrum Analyzer. All measurements were done at 2 channels (low and high operational frequency range.).
- 2. The band edge measurement used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer. This splitter loss and cable loss are the worst loss 7.2 dB in the transmitted path track.
- 3. The center frequency of spectrum is the band edge frequency and span is 1 MHz. RB of the spectrum is 50kHz and VB of the spectrum is 200kHz.
- 4. Record the max trace plot into the test report.

Page 52 Rev. 00

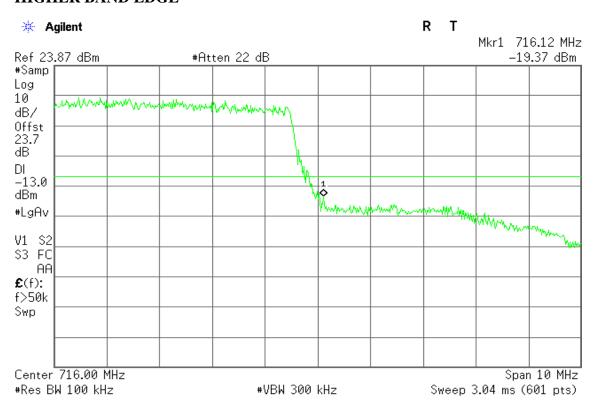
TEST RESULTS:

LTE Band 17

CHANNEL BANDWIDTH: 10MHz / QPSK / FULL RB ALLOCATED LOWER BAND EDGE

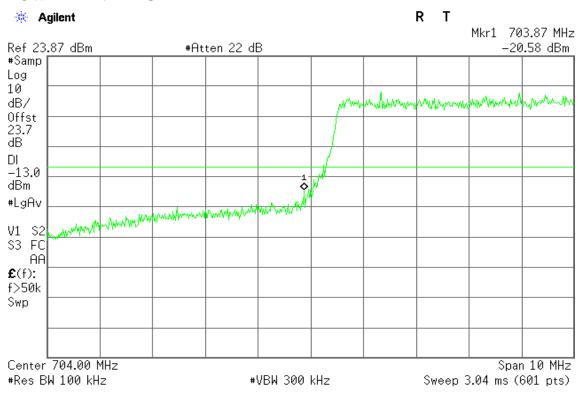


HIGHER BAND EDGE

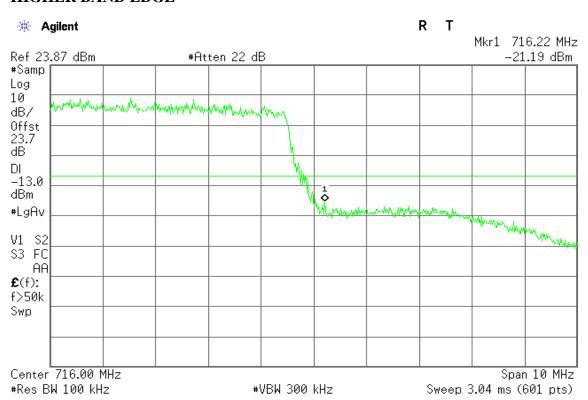


Page 53 Rev. 00

LTE Band 17 CHANNEL BANDWIDTH: 10MHz / 16QAM / FULL RB ALLOCATED LOWER BAND EDGE



HIGHER BAND EDGE

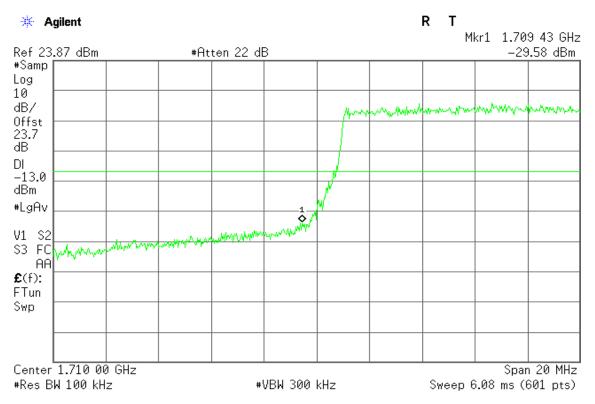


Page 54 Rev. 00

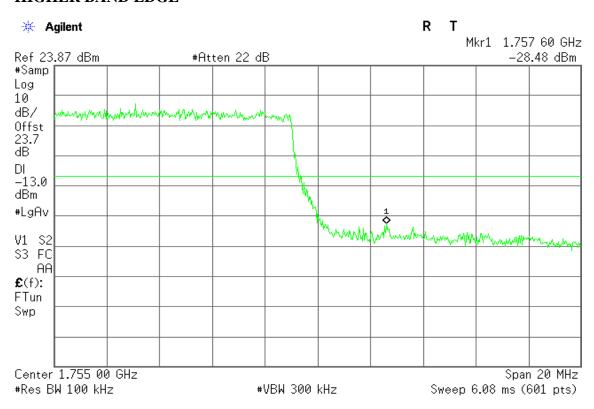
LTE Band 4

CHANNEL BANDWIDTH: 20MHz / QPSK / FULL RB ALLOCATION

LOWER BAND EDGE

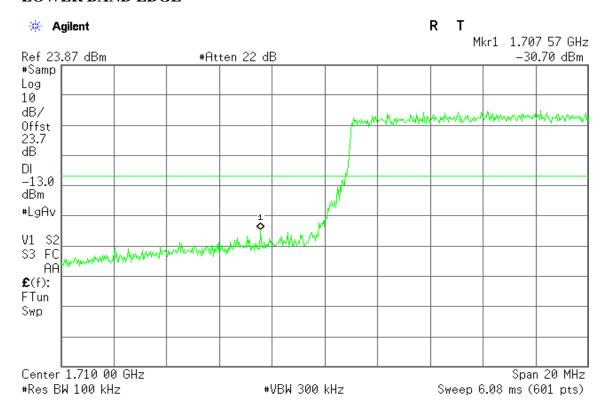


HIGHER BAND EDGE

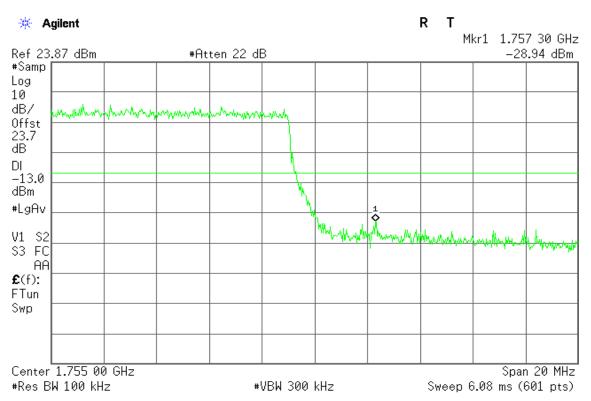


Page 55 Rev. 00

CHANNEL BANDWIDTH: 20MHz / 16QAM / FULL RB ALLOCATION LOWER BAND EDGE



HIGHER BAND EDGE



Page 56 Rev. 00

7.5 CONDUCTED SPURIOUS EMISSIONS

LIMITS

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log 10$ (P) dB. The limit of emission equal to -13dBm

Report No.: T140415W01-RP2

TEST PROCEDURES

- 1. The EUT was set up for the maximum peak power with LTE link data modulation. The power was measured with Spectrum Analyzer. All measurements were done at 3 channels (low, middle and high operational frequency range.).
- 2. The conducted spurious emission used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.
- 3. When the spectrum scanned from 30MHz to 3GHz, it shall be connected to the band reject filter attenuated the carried frequency. The spectrum set RB=1MHz, VB=3MHz.
- 4. When the spectrum scanned from 3GHz to 20GHz, it shall be connected to the high pass filter attenuated the carried frequency. The spectrum set RB=1MHz, VB=3MHz.

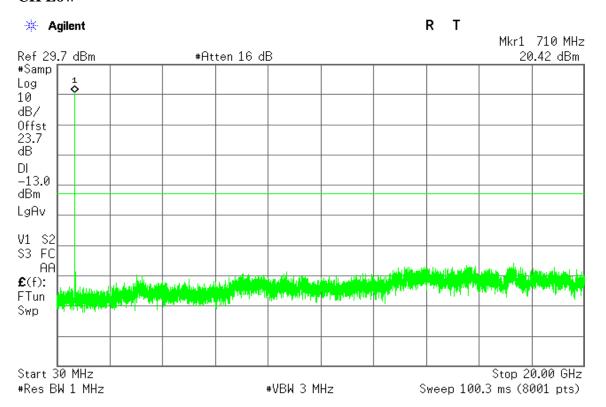
Page 57 Rev. 00

TEST RESULTS

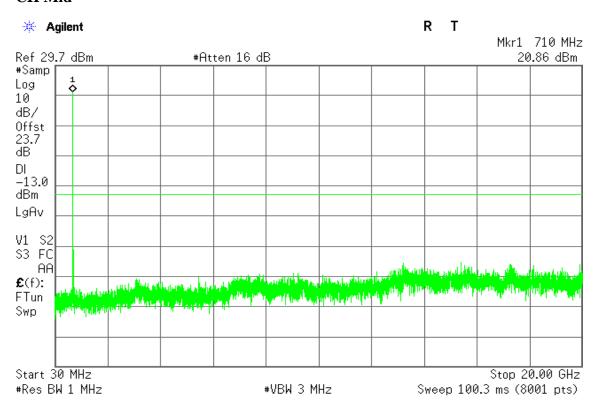
LTE Band 17

CHANNEL BANDWIDTH: 5MHz/QPSK

CH Low

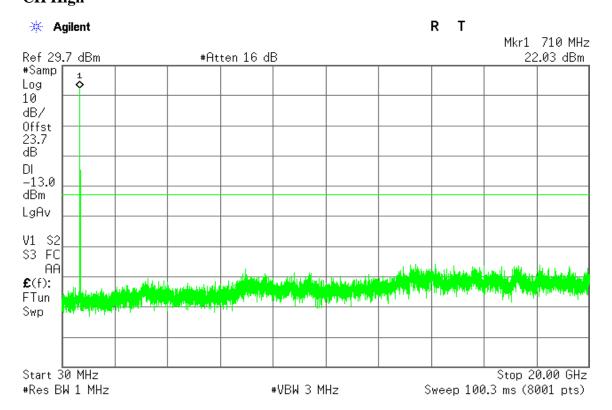


CH Mid



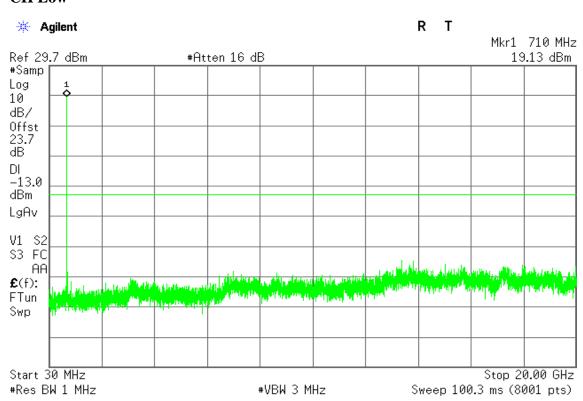
Page 58 Rev. 00

CH High



CHANNEL BANDWIDTH: 5MHz / 16QAM

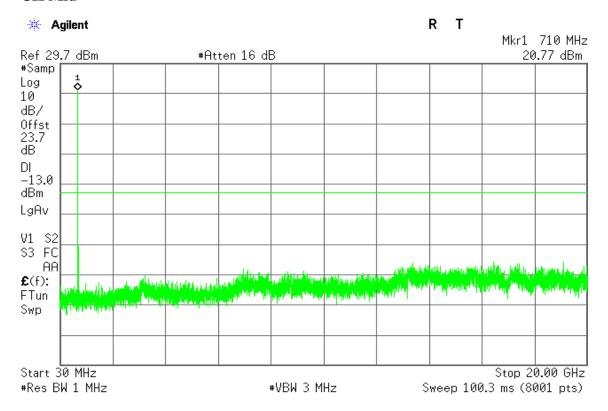
CH Low



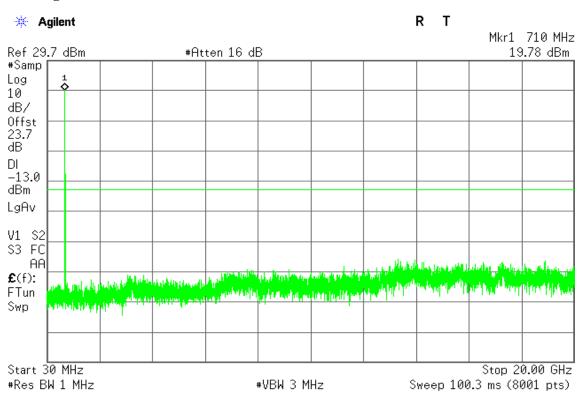
Page 59 Rev. 00

ONA Report No.: T140415W01-RP2

CH Mid



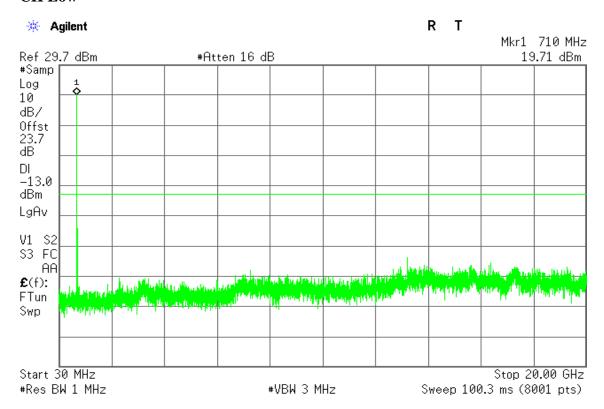
CH High



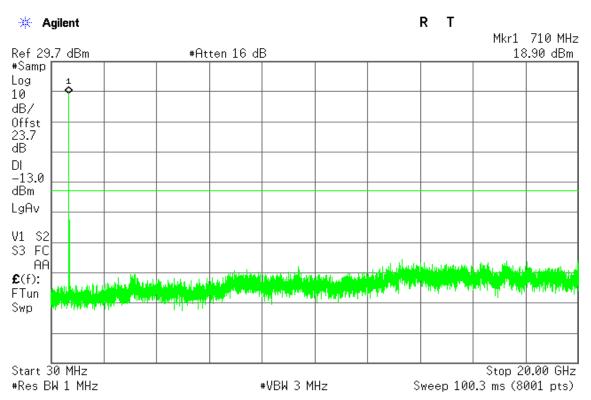
Page 60 Rev. 00

CHANNEL BANDWIDTH: 10MHz/QPSK

CH Low



CH Mid

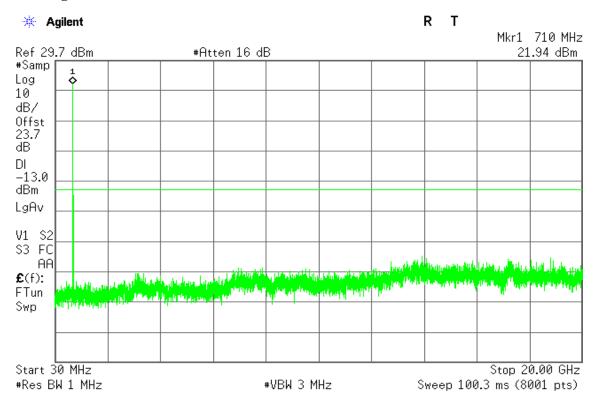


Page 61 Rev. 00

IC: 5131A-LE910NA

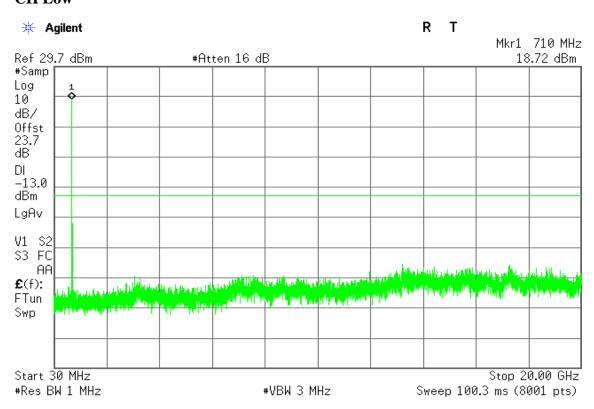
Report No.: T140415W01-RP2

CH High

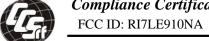


CHANNEL BANDWIDTH: 10MHz / 16QAM

CH Low

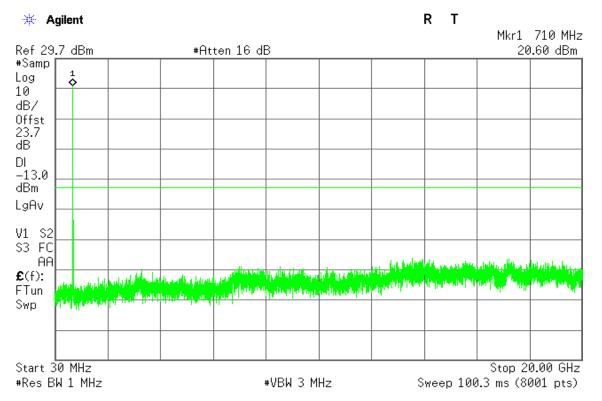


Page 62 Rev. 00

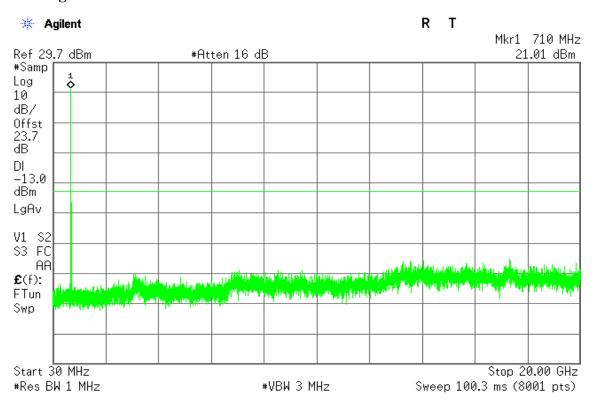


Report No.: T140415W01-RP2

CH Mid



CH High



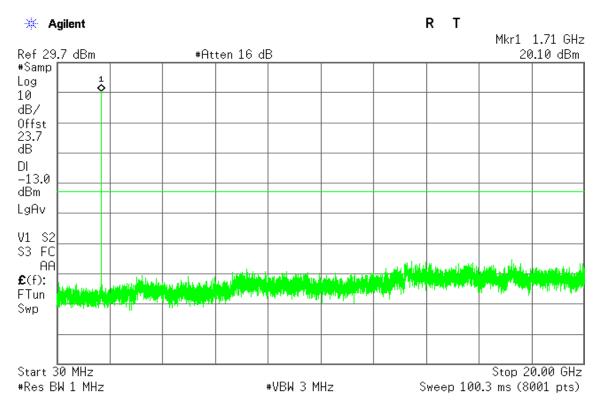
Page 63 Rev. 00

Report No.: T140415W01-RP2

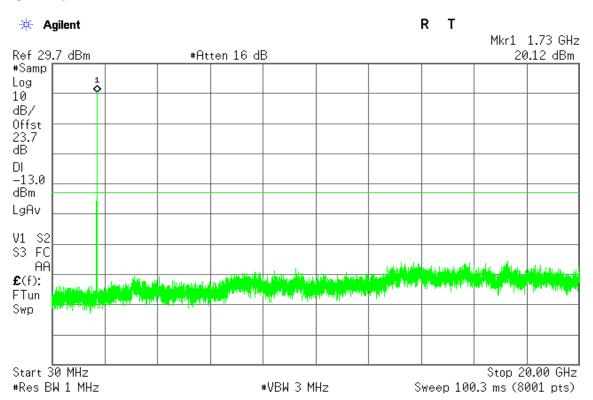
LTE Band 4

CHANNEL BANDWIDTH: 5MHz/QPSK

CH Low



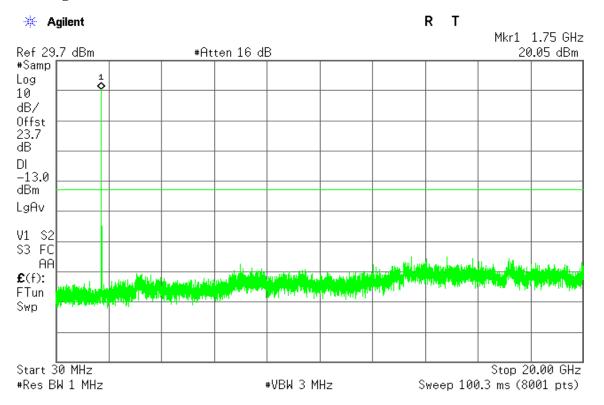
CH Mid



Page 64 Rev. 00

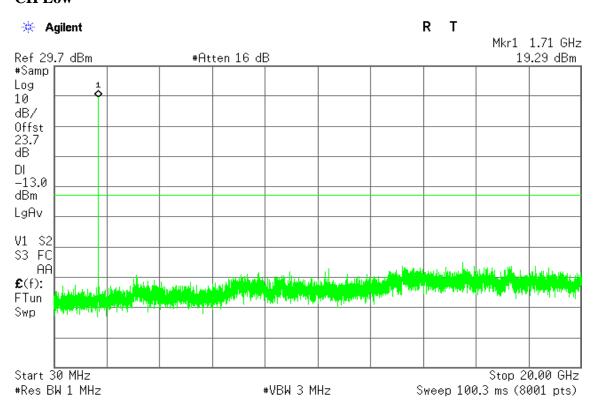
5131A-LE910NA Report No.: T140415W01-RP2

CH High



CHANNEL BANDWIDTH: 5MHz / 16QAM

CH Low

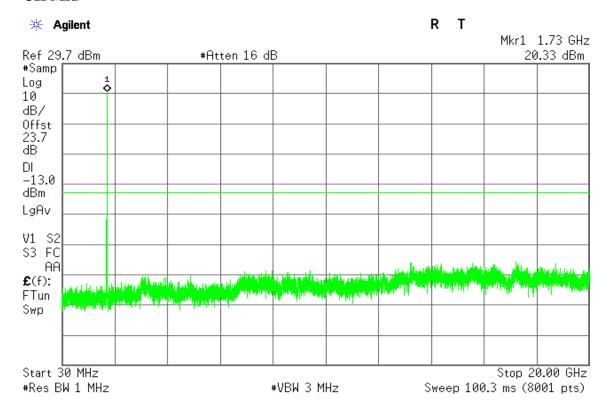


Page 65 Rev. 00

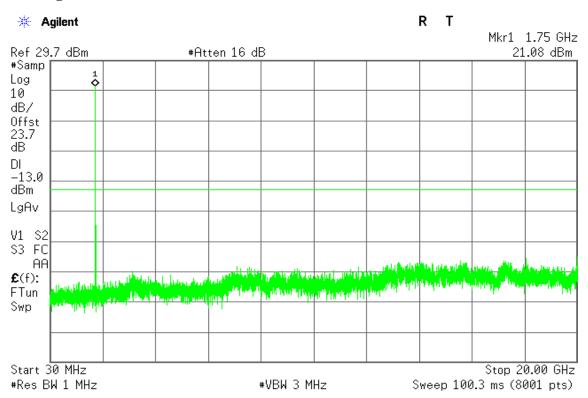


Report No.: T140415W01-RP2

CH Mid



CH High

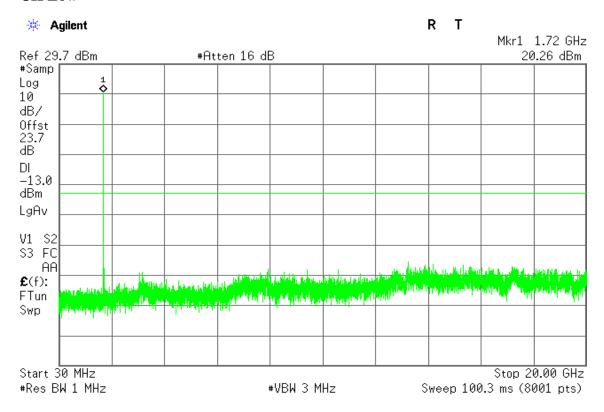


Page 66 Rev. 00

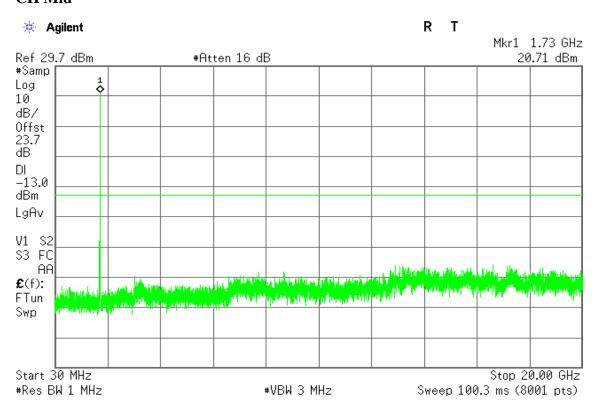
31A-LE910NA Report No.: T140415W01-RP2

CHANNEL BANDWIDTH: 10MHz/QPSK

CH Low



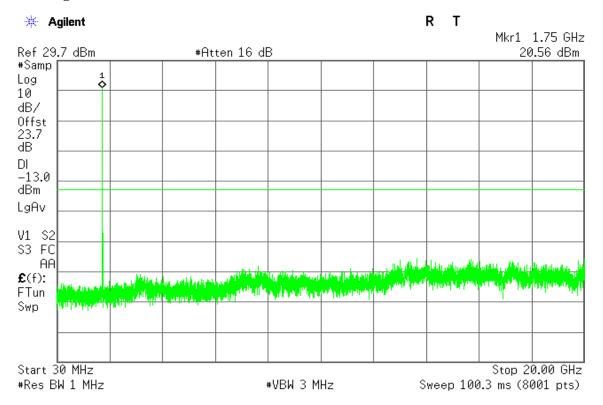
CH Mid



Page 67 Rev. 00

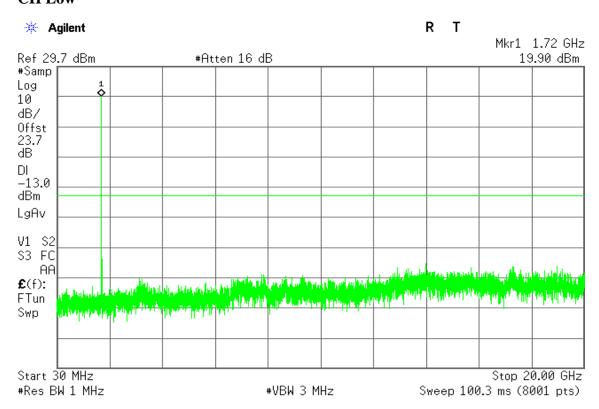
IC: 5131A-LE910NA

CH High



CHANNEL BANDWIDTH: 10MHz / 16QAM

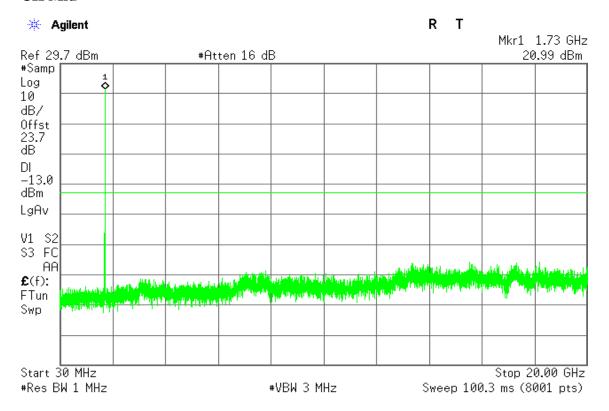
CH Low



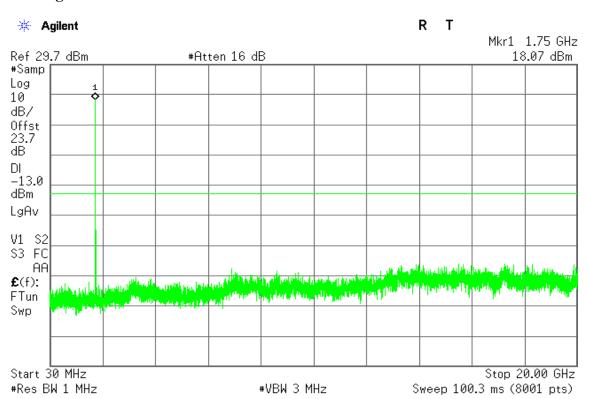
Page 68 Rev. 00

C: 5131A-LE910NA Report No.: T140415W01-RP2

CH Mid



CH High

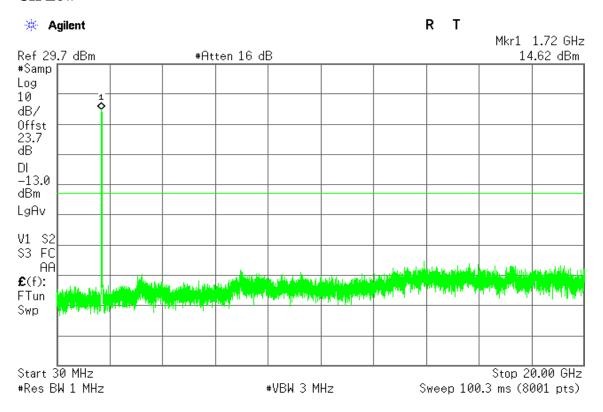


Page 69 Rev. 00

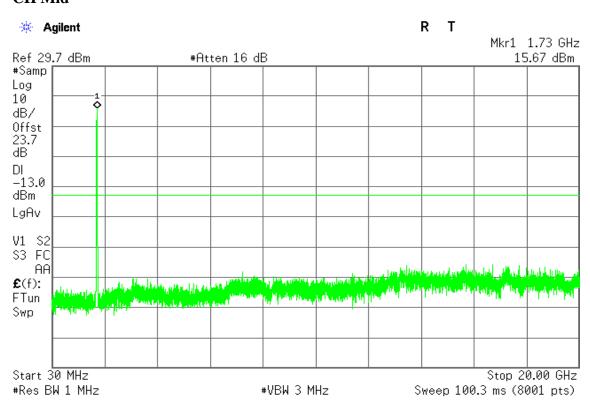
A Report No.: T140415W01-RP2

CHANNEL BANDWIDTH: 20MHz/QPSK

CH Low

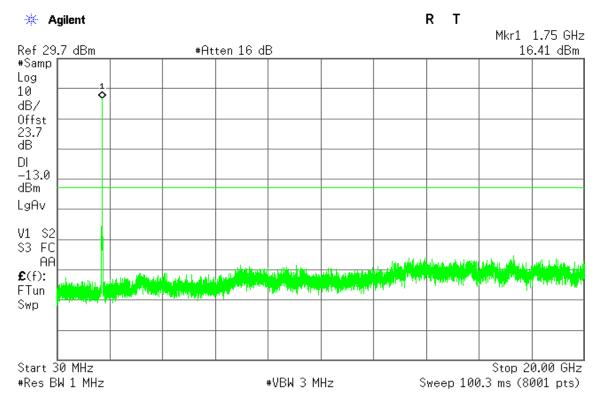


CH Mid



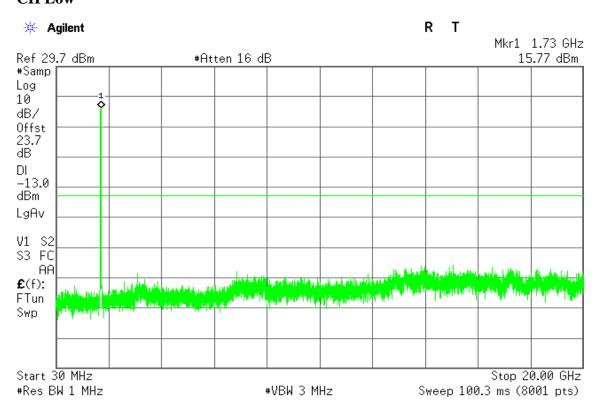
Page 70 Rev. 00

CH High



CHANNEL BANDWIDTH: 20MHz / 16QAM

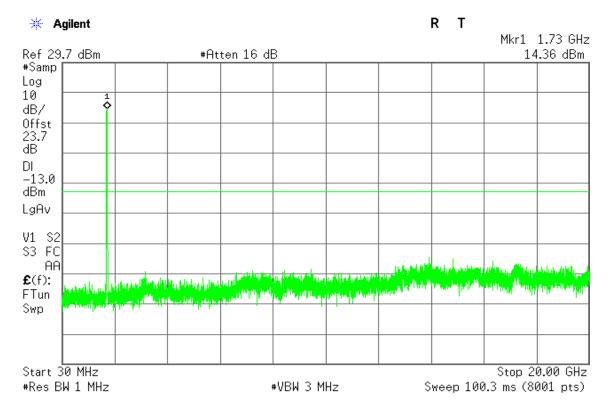
CH Low



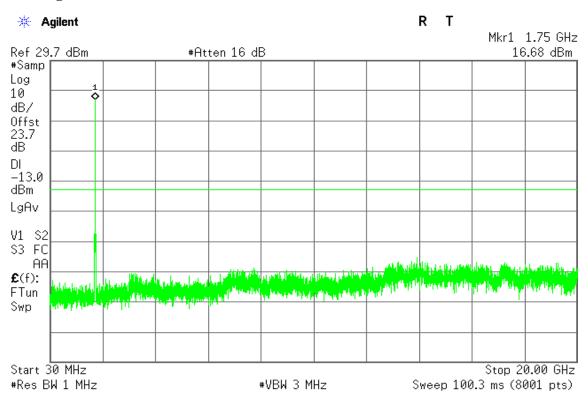
Page 71 Rev. 00

Report No.: T140415W01-RP2

CH Mid



CH High



Page 72 Rev. 00

7.6 RADIATED EMISSION MEASUREMENT

LIMITS

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log 10$ (P) dB. The limit of emission equal to -13dBm

Report No.: T140415W01-RP2

So the limit of emission is the same absolute specified line.

Limits	EQUIVALENT FIELD STRENGTH AT 3m (dBuV/m) (NOTE)
-13	82.22

NOTE: The following formula is used to convert the equipment radiated power to field strength.

 $E = [1000000\sqrt{(30P)}] / 3 \text{ uV/m}$, where P is Watts

TEST PROCEDURES

- 1. The EUT was placed on the top of a rotating table 0.8 meters above the ground. The table was rotated 360 degrees to determine the position of the highest radiation.
- 2. The EUT was set 3 meters away from the receiving antenna, which was mounted on antenna tower and its position at 0.8 m above the ground.
- 3. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading and recorded the value.
- 4. Repeat step $1 \sim 3$ for horizontal polarization.

NOTE: The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

Page 73 Rev. 00

TEST RESULTS

Below 1GHz

LTE Band 17 / CHANNEL BANDWIDTH: 5MHz / QPSK

Operation Mode: Tx / Low channel **Test Date:** May 4, 2014

Temperature: 26 °C **Tested by:** Dennis Li **Humidity:** 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
48.4300	-64.18	0.79	-5.83	-70.80	-13.00	-57.80	V
138.6400	-62.11	1.39	-0.38	-63.88	-13.00	-50.88	V
186.1700	-83.35	1.62	3.85	-81.12	-13.00	-68.12	V
342.3400	-81.36	2.18	5.8	-77.74	-13.00	-64.74	V
448.0700	-84.37	2.58	5.74	-81.21	-13.00	-68.21	V
612.9700	-83.6	2.94	6.23	-80.31	-13.00	-67.31	V
191.9900	-78	1.62	3.79	-75.83	-13.00	-62.83	Н
191.9900	-76	1.02	3.19	-13.83	-13.00	-02.83	11
342.3400	-76.65	2.18	5.8	-73.03	-13.00	-60.03	Н
390.8400	-78.82	2.32	6	-75.14	-13.00	-62.14	Н
486.8700	-80.87	2.66	5.69	-77.84	-13.00	-64.84	Н
550.8900	-80.18	2.81	6.17	-76.82	-13.00	-63.82	Н
622.6700	-79.45	2.95	6.14	-76.26	-13.00	-63.26	Н

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 74 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
48.4300	-62.95	0.79	-5.83	-69.57	-13.00	-56.57	V
138.6400	-62.1	1.39	-0.38	-63.87	-13.00	-50.87	V
180.3500	-82.12	1.61	3.62	-80.11	-13.00	-67.11	V
342.3400	-81.84	2.18	5.8	-78.22	-13.00	-65.22	V
450.9800	-83.6	2.59	5.74	-80.45	-13.00	-67.45	V
561.5600	-83.62	2.85	6	-80.47	-13.00	-67.47	V
78.5000	-70.41	1.03	-0.43	-71.87	-13.00	-58.87	Н
138.6400	-58	1.39	-0.38	-59.77	-13.00	-46.77	Н
171.6200	-75.65	1.57	2.69	-74.53	-13.00	-61.53	Н
330.7000	-80.89	2.16	5.71	-77.34	-13.00	-64.34	Н
390.8400	-79.17	2.32	6	-75.49	-13.00	-62.49	Н
561.5600	-80.2	2.85	6	-77.05	-13.00	-64.05	Н

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 75 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
48.4300	-59.77	0.79	-5.83	-66.39	-13.00	-53.39	V
138.6400	-61.47	1.39	-0.38	-63.24	-13.00	-50.24	V
222.0600	-82.73	1.77	5.34	-79.16	-13.00	-66.16	V
345.2500	-81.23	2.2	5.8	-77.63	-13.00	-64.63	V
448.0700	-79.57	2.58	5.74	-76.41	-13.00	-63.41	V
529.5500	-81.41	2.75	6	-78.16	-13.00	-65.16	V
71.7100	-69.55	0.97	-1.61	-72.13	-13.00	-59.13	Н
138.6400	-57.97	1.39	-0.38	-59.74	-13.00	-46.74	Н
222.0600	-82.51	1.77	5.34	-78.94	-13.00	-65.94	Н
342.3400	-77.51	2.18	5.8	-73.89	-13.00	-60.89	Н
379.2000	-80.13	2.31	5.98	-76.46	-13.00	-63.46	Н
551.8600	-80.38	2.81	6.16	-77.03	-13.00	-64.03	Н

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 76 Rev. 00

LTE Band 17 / CHANNEL BANDWIDTH: 5MHz / 16QAM

Operation Mode: Tx / Low channel **Test Date:** May 4, 2014

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
101.7800	-64.09	1.16	-0.64	-65.89	-13.00	-52.89	V
138.6400	-61.87	1.39	-0.38	-63.64	-13.00	-50.64	V
342.3400	-81.39	2.18	5.8	-77.77	-13.00	-64.77	V
450.9800	-80.83	2.59	5.74	-77.68	-13.00	-64.68	V
516.9400	-80.8	2.7	6.07	-77.43	-13.00	-64.43	V
565.4400	-81.78	2.86	6.04	-78.60	-13.00	-65.60	V
78.5000	-57.74	1.03	-0.43	-59.20	-13.00	-46.20	Н
138.6400	-57.48	1.39	-0.38	-59.25	-13.00	-46.25	Н
222.0600	-79.15	1.77	5.34	-75.58	-13.00	-62.58	Н
342.3400	-73.61	2.18	5.8	-69.99	-13.00	-56.99	Н
499.4800	-76.49	2.7	5.89	-73.30	-13.00	-60.30	Н
672.1400	-77.74	3.07	6.34	-74.47	-13.00	-61.47	Н

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 77 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
48.4300	-60.27	0.79	-5.83	-66.89	-13.00	-53.89	V
138.6400	-62.01	1.39	-0.38	-63.78	-13.00	-50.78	V
171.6200	-70.41	1.57	2.69	-69.29	-13.00	-56.29	V
342.3400	-81.41	2.18	5.8	-77.79	-13.00	-64.79	V
448.0700	-80.19	2.58	5.74	-77.03	-13.00	-64.03	V
529.5500	-80.68	2.75	6	-77.43	-13.00	-64.43	V
78.5000	-57.63	1.03	-0.43	-59.09	-13.00	-46.09	Н
138.6400	-57.61	1.39	-0.38	-59.38	-13.00	-46.38	Н
191.9900	-75.33	1.62	3.79	-73.16	-13.00	-60.16	Н
342.3400	-74	2.18	5.8	-70.38	-13.00	-57.38	Н
379.2000	-76.92	2.31	5.98	-73.25	-13.00	-60.25	Н
499.4800	-77.47	2.7	5.89	-74.28	-13.00	-61.28	Н

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 78 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
48.4300	-59.92	0.79	-5.83	-66.54	-13.00	-53.54	V
138.6400	-61.92	1.39	-0.38	-63.69	-13.00	-50.69	V
319.0600	-84.14	2.17	5.71	-80.60	-13.00	-67.60	V
448.0700	-80.07	2.58	5.74	-76.91	-13.00	-63.91	V
516.9400	-81.21	2.7	6.07	-77.84	-13.00	-64.84	V
619.7600	-82.74	2.94	6.11	-79.57	-13.00	-66.57	V
78.5000	-56.82	1.03	-0.43	-58.28	-13.00	-45.28	Н
153.1900	-64.68	1.44	0.94	-65.18	-13.00	-52.18	Н
342.3400	-74.6	2.18	5.8	-70.98	-13.00	-57.98	Н
516.9400	-78.27	2.7	6.07	-74.90	-13.00	-61.90	Н
619.7600	-76.98	2.94	6.11	-73.81	-13.00	-60.81	Н
922.4000	-73.81	3.58	6.55	-70.84	-13.00	-57.84	Н

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 79 Rev. 00

LTE Band 17 / CHANNEL BANDWIDTH: 10MHz / QPSK

Operation Mode: Tx / Low channel **Test Date:** May 4, 2014

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
138.6400	-62	1.39	-0.38	-63.77	-13.00	-50.77	V
171.6200	-75.97	1.57	2.69	-74.85	-13.00	-61.85	V
342.3400	-81.9	2.18	5.8	-78.28	-13.00	-65.28	V
349.1300	-82.54	2.22	5.8	-78.96	-13.00	-65.96	V
508.2100	-84.14	2.69	5.98	-80.85	-13.00	-67.85	V
637.2200	-82.17	3	6.15	-79.02	-13.00	-66.02	V
191.9900	-79.34	1.62	3.79	-77.17	-13.00	-64.17	Н
191.9900	-19.34	1.02	3.19	-//.1/	-13.00	-04.17	п
261.8300	-82.75	1.92	5.51	-79.16	-13.00	-66.16	Н
342.3400	-76.83	2.18	5.8	-73.21	-13.00	-60.21	Н
459.7100	-80.22	2.6	5.88	-76.94	-13.00	-63.94	Н
566.4100	-79.8	2.86	6.06	-76.60	-13.00	-63.60	Н
625.5800	-79.59	2.96	6.16	-76.39	-13.00	-63.39	Н

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 80 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
101.7800	-64.08	1.16	-0.64	-65.88	-13.00	-52.88	V
138.6400	-61.84	1.39	-0.38	-63.61	-13.00	-50.61	V
171.6200	-71.75	1.57	2.69	-70.63	-13.00	-57.63	V
330.7000	-80.6	2.16	5.71	-77.05	-13.00	-64.05	V
448.0700	-79.97	2.58	5.74	-76.81	-13.00	-63.81	V
516.9400	-80.77	2.7	6.07	-77.40	-13.00	-64.40	V
71.7100	-70.03	0.97	-1.61	-72.61	-13.00	-59.61	Н
138.6400	-57.9	1.39	-0.38	-59.67	-13.00	-46.67	Н
153.1900	-65.81	1.44	0.94	-66.31	-13.00	-53.31	Н
342.3400	-76.87	2.18	5.8	-73.25	-13.00	-60.25	Н
382.1100	-79.73	2.31	5.99	-76.05	-13.00	-63.05	Н
565.4400	-79.67	2.86	6.04	-76.49	-13.00	-63.49	Н

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 81 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
48.4300	-63.36	0.79	-5.83	-69.98	-13.00	-56.98	V
138.6400	-61.62	1.39	-0.38	-63.39	-13.00	-50.39	V
171.6200	-75.01	1.57	2.69	-73.89	-13.00	-60.89	V
342.3400	-80.24	2.18	5.8	-76.62	-13.00	-63.62	V
448.0700	-82.64	2.58	5.74	-79.48	-13.00	-66.48	V
649.8300	-81	3.03	6.28	-77.75	-13.00	-64.75	V
71.7100	-70.34	0.97	-1.61	-72.92	-13.00	-59.92	Н
138.6400	-57.88	1.39	-0.38	-59.65	-13.00	-46.65	Н
342.3400	-76.99	2.18	5.8	-73.37	-13.00	-60.37	Н
390.8400	-79.84	2.32	6	-76.16	-13.00	-63.16	Н
544.1000	-80.07	2.79	6.23	-76.63	-13.00	-63.63	Н
625.5800	-78.11	2.96	6.16	-74.91	-13.00	-61.91	Н

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 82 Rev. 00

LTE Band 17 / CHANNEL BANDWIDTH: 10MHz / 16QAM

Operation Mode: Tx / Low channel **Test Date:** May 4, 2014

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
101.7800	-63.74	1.16	-0.64	-65.54	-13.00	-52.54	V
138.6400	-61.86	1.39	-0.38	-63.63	-13.00	-50.63	V
171.6200	-71.73	1.57	2.69	-70.61	-13.00	-57.61	V
222.0600	-83.23	1.77	5.34	-79.66	-13.00	-66.66	V
346.2200	-80.57	2.21	5.8	-76.98	-13.00	-63.98	V
448.0700	-80.72	2.58	5.74	-77.56	-13.00	-64.56	V
79.5000	57.66	1.02	0.42	50.12	12.00	46.12	Н
78.5000	-57.66	1.03	-0.43	-59.12	-13.00	-46.12	п
138.6400	-57.32	1.39	-0.38	-59.09	-13.00	-46.09	Н
180.3500	-73.42	1.61	3.62	-71.41	-13.00	-58.41	Н
342.3400	-74.35	2.18	5.8	-70.73	-13.00	-57.73	Н
516.9400	-77.23	2.7	6.07	-73.86	-13.00	-60.86	Н
669.2300	-76.77	3.07	6.3	-73.54	-13.00	-60.54	Н

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 83 Rev. 00

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
48.4300	-59.9	0.79	-5.83	-66.52	-13.00	-53.52	V
138.6400	-61.89	1.39	-0.38	-63.66	-13.00	-50.66	V
171.6200	-70.59	1.57	2.69	-69.47	-13.00	-56.47	V
222.0600	-83.03	1.77	5.34	-79.46	-13.00	-66.46	V
342.3400	-81.73	2.18	5.8	-78.11	-13.00	-65.11	V
448.0700	-80.68	2.58	5.74	-77.52	-13.00	-64.52	V
78.5000	-57.47	1.03	-0.43	-58.93	-13.00	-45.93	Н
138.6400	-57.23	1.39	-0.38	-59.00	-13.00	-46.00	Н
171.6200	-68.62	1.57	2.69	-67.50	-13.00	-54.50	Н
234.6700	-80.79	1.8	5.38	-77.21	-13.00	-64.21	Н
342.3400	-73.96	2.18	5.8	-70.34	-13.00	-57.34	Н
499.4800	-77.96	2.7	5.89	-74.77	-13.00	-61.77	Н

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 84 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
101.7800	-64.07	1.16	-0.64	-65.87	-13.00	-52.87	V
138.6400	-62.18	1.39	-0.38	-63.95	-13.00	-50.95	V
171.6200	-71.91	1.57	2.69	-70.79	-13.00	-57.79	V
349.1300	-82.78	2.22	5.8	-79.20	-13.00	-66.20	V
448.0700	-80.06	2.58	5.74	-76.90	-13.00	-63.90	V
516.9400	-81.17	2.7	6.07	-77.80	-13.00	-64.80	V
78.5000	-57.4	1.03	-0.43	-58.86	-13.00	-45.86	Н
138.6400	-57.62	1.39	-0.38	-59.39	-13.00	-46.39	Н
171.6200	-68.42	1.57	2.69	-67.30	-13.00	-54.30	Н
222.0600	-78.12	1.77	5.34	-74.55	-13.00	-61.55	Н
342.3400	-73.68	2.18	5.8	-70.06	-13.00	-57.06	Н
499.4800	-76.87	2.7	5.89	-73.68	-13.00	-60.68	Н

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 85 Rev. 00

LTE Band 4 / CHANNEL BANDWIDTH: 5MHz / QPSK

Operation Mode: Tx / Low channel **Test Date:** May 4, 2014

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
101.7800	-68.53	1.16	-0.64	-70.33	-13.00	-57.33	V
138.6400	-65.14	1.39	-0.38	-66.91	-13.00	-53.91	V
342.3400	-81.44	2.18	5.8	-77.82	-13.00	-64.82	V
450.9800	-84.21	2.59	5.74	-81.06	-13.00	-68.06	V
552.8300	-82.52	2.82	6.14	-79.20	-13.00	-66.20	V
733.2500	-80.56	3.19	6.31	-77.44	-13.00	-64.44	V
138.6400	-59.47	1.39	-0.38	-61.24	-13.00	-48.24	Н
342.3400	-80.35	2.18	5.8	-76.73	-13.00	-63.73	Н
420.9100	-82.1	2.46	5.8	-78.76	-13.00	-65.76	Н
554.7700	-81.13	2.82	6.11	-77.84	-13.00	-64.84	Н
679.9000	-79.65	3.09	6.5	-76.24	-13.00	-63.24	Н
745.8600	-75.48	3.2	6.1	-72.58	-13.00	-59.58	Н

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 86 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
222.0600	-82.61	1.77	5.34	-79.04	-13.00	-66.04	V
346.2200	-81.89	2.21	5.8	-78.30	-13.00	-65.30	V
450.9800	-80.06	2.59	5.74	-76.91	-13.00	-63.91	V
529.5500	-81.01	2.75	6	-77.76	-13.00	-64.76	V
733.2500	-78.99	3.19	6.31	-75.87	-13.00	-62.87	V
883.6000	-79.06	3.48	6.7	-75.84	-13.00	-62.84	V
78.5000	-57.92	1.03	-0.43	-59.38	-13.00	-46.38	Н
138.6400	-59.36	1.39	-0.38	-61.13	-13.00	-48.13	Н
288.9900	-79.66	2.02	5.39	-76.29	-13.00	-63.29	Н
415.0900	-77.24	2.45	5.86	-73.83	-13.00	-60.83	Н
529.5500	-77.5	2.75	6	-74.25	-13.00	-61.25	Н
733.2500	-72.57	3.19	6.31	-69.45	-13.00	-56.45	Н

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the ackground noise floor.

Page 87 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
101.7800	-63.83	1.16	-0.64	-65.63	-13.00	-52.63	V
345.2500	-80.8	2.2	5.8	-77.20	-13.00	-64.20	V
529.5500	-80.94	2.75	6	-77.69	-13.00	-64.69	V
618.7900	-81.73	2.94	6.12	-78.55	-13.00	-65.55	V
745.8600	-78.49	3.2	6.1	-75.59	-13.00	-62.59	V
859.3500	-79.1	3.43	6.4	-76.13	-13.00	-63.13	V
48.4300	-53.08	0.79	-5.83	-59.70	-13.00	-46.70	Н
138.6400	-58.41	1.39	-0.38	-60.18	-13.00	-47.18	Н
171.6200	-69.89	1.57	2.69	-68.77	-13.00	-55.77	Н
342.3400	-74.92	2.18	5.8	-71.30	-13.00	-58.30	Н
601.3300	-77.78	2.91	6.39	-74.30	-13.00	-61.30	Н
769.1400	-75.71	3.27	6.39	-72.59	-13.00	-59.59	Н

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 88 Rev. 00

LTE Band 4 / CHANNEL BANDWIDTH: 5MHz / 16QAM

Operation Mode: Tx / Low channel **Test Date:** May 4, 2014

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
101.7800	-64.04	1.16	-0.64	-65.84	-13.00	-52.84	V
138.6400	-64.58	1.39	-0.38	-66.35	-13.00	-53.35	V
346.2200	-80.99	2.21	5.8	-77.40	-13.00	-64.40	V
529.5500	-81.38	2.75	6	-78.13	-13.00	-65.13	V
673.1100	-79.98	3.08	6.36	-76.70	-13.00	-63.70	V
781.7500	-77.79	3.31	6.13	-74.97	-13.00	-61.97	V
48.4300	-51.98	0.79	-5.83	-58.60	-13.00	-45.60	Н
78.5000	-57.49	1.03	-0.43	-58.95	-13.00	-45.95	Н
138.6400	-58.5	1.39	-0.38	-60.27	-13.00	-47.27	Н
342.3400	-74.65	2.18	5.8	-71.03	-13.00	-58.03	Н
601.3300	-77.46	2.91	6.39	-73.98	-13.00	-60.98	Н
745.8600	-73.03	3.2	6.1	-70.13	-13.00	-57.13	Н

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 89 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
101.7800	-63.16	1.16	-0.64	-64.96	-13.00	-51.96	V
138.6400	-64.95	1.39	-0.38	-66.72	-13.00	-53.72	V
219.1500	-86.37	1.76	5.32	-82.81	-13.00	-69.81	V
346.2200	-81.89	2.21	5.8	-78.30	-13.00	-65.30	V
450.9800	-80.06	2.59	5.74	-76.91	-13.00	-63.91	V
781.7500	-78.2	3.31	6.13	-75.38	-13.00	-62.38	V
48.4300	-51.53	0.79	-5.83	-58.15	-13.00	-45.15	Н
78.5000	-59.33	1.03	-0.43	-60.79	-13.00	-47.79	Н
138.6400	-59.36	1.39	-0.38	-61.13	-13.00	-48.13	Н
342.3400	-75.59	2.18	5.8	-71.97	-13.00	-58.97	Н
516.9400	-78.83	2.7	6.07	-75.46	-13.00	-62.46	Н
733.2500	-72.57	3.19	6.31	-69.45	-13.00	-56.45	Н

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the ackground noise floor.

Page 90 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
138.6400	-65.05	1.39	-0.38	-66.82	-13.00	-53.82	V
171.6200	-71.94	1.57	2.69	-70.82	-13.00	-57.82	V
342.3400	-81.7	2.18	5.8	-78.08	-13.00	-65.08	V
448.0700	-81.61	2.58	5.74	-78.45	-13.00	-65.45	V
529.5500	-80.94	2.75	6	-77.69	-13.00	-64.69	V
733.2500	-79.38	3.19	6.31	-76.26	-13.00	-63.26	V
48.4300	-54.03	0.79	-5.83	-60.65	-13.00	-47.65	Н
138.6400	-59.05	1.39	-0.38	-60.82	-13.00	-47.82	Н
171.6200	-66.79	1.57	2.69	-65.67	-13.00	-52.67	Н
342.3400	-74.42	2.18	5.8	-70.80	-13.00	-57.80	Н
589.6900	-78.4	2.89	6.19	-75.10	-13.00	-62.10	Н
733.2500	-74.17	3.19	6.31	-71.05	-13.00	-58.05	Н

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 91 Rev. 00

LTE Band 4 / CHANNEL BANDWIDTH: 10MHz / QPSK

Operation Mode: Tx / Low channel **Test Date:** May 4, 2014

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
101.7800	-64.81	1.16	-0.64	-66.61	-13.00	-53.61	V
171.6200	-71.87	1.57	2.69	-70.75	-13.00	-57.75	V
366.5900	-81.95	2.29	5.77	-78.47	-13.00	-65.47	V
448.0700	-80.33	2.58	5.74	-77.17	-13.00	-64.17	V
529.5500	-81.1	2.75	6	-77.85	-13.00	-64.85	V
733.2500	-79.47	3.19	6.31	-76.35	-13.00	-63.35	V
40,4200	50.10	0.70	£ 92	<i>(5</i> , 90)	12.00	52.00	11
48.4300	-59.18	0.79	-5.83	-65.80	-13.00	-52.80	Н
138.6400	-58.67	1.39	-0.38	-60.44	-13.00	-47.44	Н
240.4900	-82.47	1.81	5.34	-78.94	-13.00	-65.94	Н
406.3600	-79.1	2.43	5.94	-75.59	-13.00	-62.59	Н
621.7000	-79.94	2.95	6.13	-76.76	-13.00	-63.76	Н
863.2300	-77.23	3.43	6.44	-74.22	-13.00	-61.22	Н

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 92 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
101.7800	-63.72	1.16	-0.64	-65.52	-13.00	-52.52	V
138.6400	-65.45	1.39	-0.38	-67.22	-13.00	-54.22	V
171.6200	-73.49	1.57	2.69	-72.37	-13.00	-59.37	V
345.2500	-81.25	2.2	5.8	-77.65	-13.00	-64.65	V
448.0700	-79.1	2.58	5.74	-75.94	-13.00	-62.94	V
516.9400	-81.16	2.7	6.07	-77.79	-13.00	-64.79	V
48.4300	-51.94	0.79	-5.83	-58.56	-13.00	-45.56	Н
78.5000	-61.07	1.03	-0.43	-62.53	-13.00	-49.53	Н
138.6400	-59.37	1.39	-0.38	-61.14	-13.00	-48.14	Н
342.3400	-74.74	2.18	5.8	-71.12	-13.00	-58.12	Н
469.4100	-77.88	2.62	5.79	-74.71	-13.00	-61.71	Н
769.1400	-75.86	3.27	6.39	-72.74	-13.00	-59.74	Н

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 93 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
101.7800	-66.61	1.16	-0.64	-68.41	-13.00	-55.41	V
138.6400	-65.48	1.39	-0.38	-67.25	-13.00	-54.25	V
333.6100	-84.19	2.16	5.74	-80.61	-13.00	-67.61	V
439.3400	-84.85	2.53	5.9	-81.48	-13.00	-68.48	V
769.1400	-80.17	3.27	6.39	-77.05	-13.00	-64.05	V
883.6000	-78.87	3.48	6.7	-75.65	-13.00	-62.65	V
78.5000	-59.33	1.03	-0.43	-60.79	-13.00	-47.79	Н
138.6400	-58.89	1.39	-0.38	-60.66	-13.00	-47.66	Н
342.3400	-73.49	2.18	5.8	-69.87	-13.00	-56.87	Н
621.7000	-78.09	2.95	6.13	-74.91	-13.00	-61.91	Н
733.2500	-74.63	3.19	6.31	-71.51	-13.00	-58.51	Н
853.5300	-76.29	3.41	6.4	-73.30	-13.00	-60.30	Н

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 94 Rev. 00

LTE Band 4 / CHANNEL BANDWIDTH: 10MHz / 16QAM

Operation Mode: Tx / Low channel **Test Date:** May 4, 2014

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
101.7800	-64.21	1.16	-0.64	-66.01	-13.00	-53.01	V
138.6400	-65.33	1.39	-0.38	-67.10	-13.00	-54.10	V
330.7000	-84.75	2.16	5.71	-81.20	-13.00	-68.20	V
439.3400	-80.94	2.53	5.9	-77.57	-13.00	-64.57	V
529.5500	-81.31	2.75	6	-78.06	-13.00	-65.06	V
733.2500	-79.06	3.19	6.31	-75.94	-13.00	-62.94	V
48.4300	-51.69	0.79	-5.83	-58.31	-13.00	-45.31	Н
46.4300	-31.09	0.79	-3.63	-36.31	-13.00	-43.31	11
138.6400	-59.02	1.39	-0.38	-60.79	-13.00	-47.79	Н
342.3400	-75.31	2.18	5.8	-71.69	-13.00	-58.69	Н
516.9400	-77.5	2.7	6.07	-74.13	-13.00	-61.13	Н
618.7900	-78.69	2.94	6.12	-75.51	-13.00	-62.51	Н
733.2500	-73.28	3.19	6.31	-70.16	-13.00	-57.16	Н

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 95 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
101.7800	-64.64	1.16	-0.64	-66.44	-13.00	-53.44	V
171.6200	-73.49	1.57	2.69	-72.37	-13.00	-59.37	V
342.3400	-81.37	2.18	5.8	-77.75	-13.00	-64.75	V
448.0700	-80.65	2.58	5.74	-77.49	-13.00	-64.49	V
637.2200	-83.05	3	6.15	-79.90	-13.00	-66.90	V
793.3900	-79.16	3.33	6.33	-76.16	-13.00	-63.16	V
78.5000	-58.57	1.03	-0.43	-60.03	-13.00	-47.03	Н
138.6400	-58.07	1.39	-0.38	-59.84	-13.00	-46.84	Н
342.3400	-75.02	2.18	5.8	-71.40	-13.00	-58.40	Н
516.9400	-78.85	2.7	6.07	-75.48	-13.00	-62.48	Н
612.9700	-77.88	2.94	6.23	-74.59	-13.00	-61.59	Н
733.2500	-74.19	3.19	6.31	-71.07	-13.00	-58.07	Н

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 96 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
101.7800	-63.26	1.16	-0.64	-65.06	-13.00	-52.06	V
138.6400	-65.44	1.39	-0.38	-67.21	-13.00	-54.21	V
342.3400	-81.88	2.18	5.8	-78.26	-13.00	-65.26	V
366.5900	-81.78	2.29	5.77	-78.30	-13.00	-65.30	V
529.5500	-81.01	2.75	6	-77.76	-13.00	-64.76	V
733.2500	-78.55	3.19	6.31	-75.43	-13.00	-62.43	V
48.4300	-52.01	0.79	-5.83	-58.63	-13.00	-45.63	Н
78.5000	-57.68	1.03	-0.43	-59.14	-13.00	-46.14	Н
78.3000	-37.08	1.03	-0.43	-39.14	-13.00	-40.14	11
138.6400	-59.18	1.39	-0.38	-60.95	-13.00	-47.95	Н
342.3400	-75.94	2.18	5.8	-72.32	-13.00	-59.32	Н
499.4800	-78.54	2.7	5.89	-75.35	-13.00	-62.35	Н
745.8600	-73.25	3.2	6.1	-70.35	-13.00	-57.35	Н

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 97 Rev. 00

LTE Band 4 / CHANNEL BANDWIDTH: 20MHz / QPSK

Operation Mode: Tx / Low channel **Test Date:** May 4, 2014

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
101.7800	-65.12	1.16	-0.64	-66.92	-13.00	-53.92	V
171.6200	-72.27	1.57	2.69	-71.15	-13.00	-58.15	V
342.3400	-80.82	2.18	5.8	-77.20	-13.00	-64.20	V
435.4600	-82.53	2.51	5.86	-79.18	-13.00	-66.18	V
529.5500	-80.58	2.75	6	-77.33	-13.00	-64.33	V
733.2500	-81.33	3.19	6.31	-78.21	-13.00	-65.21	V
78.5000	-58.59	1.03	-0.43	-60.05	-13.00	-47.05	Н
138.6400	-58.61	1.39	-0.38	-60.38	-13.00	-47.38	Н
342.3400	-76.05	2.18	5.8	-72.43	-13.00	-59.43	Н
499.4800	-76.68	2.7	5.89	-73.49	-13.00	-60.49	Н
745.8600	-72.91	3.2	6.1	-70.01	-13.00	-57.01	Н
793.3900	-76.1	3.33	6.33	-73.10	-13.00	-60.10	Н

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 98 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
48.4300	-67.3	0.79	-5.83	-73.92	-13.00	-60.92	V
101.7800	-65.71	1.16	-0.64	-67.51	-13.00	-54.51	V
171.6200	-71.89	1.57	2.69	-70.77	-13.00	-57.77	V
222.0600	-83.41	1.77	5.34	-79.84	-13.00	-66.84	V
342.3400	-81.95	2.18	5.8	-78.33	-13.00	-65.33	V
516.9400	-82.11	2.7	6.07	-78.74	-13.00	-65.74	V
78.5000	-58.5	1.03	-0.43	-59.96	-13.00	-46.96	Н
138.6400	-59.12	1.39	-0.38	-60.89	-13.00	-47.89	Н
342.3400	-74.55	2.18	5.8	-70.93	-13.00	-57.93	Н
379.2000	-77.17	2.31	5.98	-73.50	-13.00	-60.50	Н
529.5500	-78.74	2.75	6	-75.49	-13.00	-62.49	Н
745.8600	-73.66	3.2	6.1	-70.76	-13.00	-57.76	Н

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 99 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
78.5000	-69.11	1.03	-0.43	-70.57	-13.00	-57.57	V
101.7800	-63.87	1.16	-0.64	-65.67	-13.00	-52.67	V
171.6200	-73.54	1.57	2.69	-72.42	-13.00	-59.42	V
346.2200	-81.67	2.21	5.8	-78.08	-13.00	-65.08	V
448.0700	-79.77	2.58	5.74	-76.61	-13.00	-63.61	V
619.7600	-82.07	2.94	6.11	-78.90	-13.00	-65.90	V
150 2000	62.45	1.42	0.71	64.10	12.00	71.10	11
150.2800	-63.47	1.43	0.71	-64.19	-13.00	-51.19	Н
174.5300	-72.77	1.59	3	-71.36	-13.00	-58.36	Н
342.3400	-75.09	2.18	5.8	-71.47	-13.00	-58.47	Н
469.4100	-78.3	2.62	5.79	-75.13	-13.00	-62.13	Н
733.2500	-77.06	3.19	6.31	-73.94	-13.00	-60.94	Н
864.2000	-76.39	3.44	6.45	-73.38	-13.00	-60.38	Н

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 100 Rev. 00

LTE Band 4 / CHANNEL BANDWIDTH: 20MHz / 16QAM

Operation Mode: Tx / Low channel **Test Date:** May 4, 2014

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
101.7800	-66.73	1.16	-0.64	-68.53	-13.00	-55.53	V
138.6400	-65.51	1.39	-0.38	-67.28	-13.00	-54.28	V
349.1300	-80.58	2.22	5.8	-77.00	-13.00	-64.00	V
459.7100	-82.87	2.6	5.88	-79.59	-13.00	-66.59	V
529.5500	-81.95	2.75	6	-78.70	-13.00	-65.70	V
793.3900	-80.33	3.33	6.33	-77.33	-13.00	-64.33	V
48.4300	-51.67	0.79	-5.83	-58.29	-13.00	-45.29	Н
138.6400	-58.2	1.39	-0.38	-59.97	-13.00	-46.97	Н
342.3400	-73.92	2.18	5.8	-70.30	-13.00	-57.30	Н
469.4100	-77.51	2.62	5.79	-74.34	-13.00	-61.34	Н
649.8300	-78.24	3.03	6.28	-74.99	-13.00	-61.99	Н
883.6000	-76.67	3.48	6.7	-73.45	-13.00	-60.45	Н

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 101 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
101.7800	-63.04	1.16	-0.64	-64.84	-13.00	-51.84	V
138.6400	-65.2	1.39	-0.38	-66.97	-13.00	-53.97	V
345.2500	-81.09	2.2	5.8	-77.49	-13.00	-64.49	V
448.0700	-79.74	2.58	5.74	-76.58	-13.00	-63.58	V
529.5500	-82.56	2.75	6	-79.31	-13.00	-66.31	V
721.6100	-79.22	3.17	6.49	-75.90	-13.00	-62.90	V
40.4200					12.00		
48.4300	-52.12	0.79	-5.83	-58.74	-13.00	-45.74	Н
138.6400	-59.08	1.39	-0.38	-60.85	-13.00	-47.85	Н
342.3400	-75.66	2.18	5.8	-72.04	-13.00	-59.04	Н
499.4800	-76.76	2.7	5.89	-73.57	-13.00	-60.57	Н
601.3300	-78.47	2.91	6.39	-74.99	-13.00	-61.99	Н
769.1400	-74.39	3.27	6.39	-71.27	-13.00	-58.27	Н

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 102 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
84.3200	-68.64	1.07	0.39	-69.32	-13.00	-56.32	V
138.6400	-65.34	1.39	-0.38	-67.11	-13.00	-54.11	V
342.3400	-82.68	2.18	5.8	-79.06	-13.00	-66.06	V
448.0700	-81.88	2.58	5.74	-78.72	-13.00	-65.72	V
733.2500	-80.11	3.19	6.31	-76.99	-13.00	-63.99	V
883.6000	-79.08	3.48	6.7	-75.86	-13.00	-62.86	V
78.5000	-58.95	1.03	-0.43	-60.41	-13.00	-47.41	Н
						.,,,,	
138.6400	-58.53	1.39	-0.38	-60.30	-13.00	-47.30	Н
171.6200	-67.12	1.57	2.69	-66.00	-13.00	-53.00	Н
342.3400	-74.32	2.18	5.8	-70.70	-13.00	-57.70	Н
601.3300	-78.13	2.91	6.39	-74.65	-13.00	-61.65	Н
733.2500	-74.81	3.19	6.31	-71.69	-13.00	-58.69	Н

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 103 Rev. 00

Above 1GHz

LTE Band 17 / CHANNEL BANDWIDTH: 5MHz / QPSK

Operation Mode: Tx / Low channel **Test Date:** May 4, 2014

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3891.000	-55.68	8.38	9.29	-54.77	-13.00	-41.77	V
4927.000	-54.39	9.3	10.48	-53.21	-13.00	-40.21	V
N/A							
3611.000	-55.92	8.12	9.01	-55.03	-13.00	-42.03	Н
4423.000	-53.61	8.7	9.74	-52.57	-13.00	-39.57	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 104 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
4332.000	-55.59	8.61	9.67	-54.53	-13.00	-41.53	V
7027.000	-50.41	11.62	11.94	-50.09	-13.00	-37.09	V
N/A							
3555.000	-56.03	8	8.96	-55.07	-13.00	-42.07	Н
4353.000	-53.76	8.62	9.68	-52.70	-13.00	-39.70	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 105 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
5109.000	-56.28	9.46	10.64	-55.10	-13.00	-42.10	V
6691.000	-52.45	11.29	11.53	-52.21	-13.00	-39.21	V
N/A							
2078.000	-59.44	5.77	5.51	-59.70	-13.00	-46.70	Н
4976.000	-55.42	9.37	10.56	-54.23	-13.00	-41.23	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 106 Rev. 00

LTE Band 17 / CHANNEL BANDWIDTH: 5MHz / 16QAM

Operation Mode: Tx / Low channel **Test Date:** May 4, 2014

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1966.000	-57.29	5.63	5.46	-57.46	-13.00	-44.46	V
3702.000	-55.57	8.2	9.1	-54.67	-13.00	-41.67	V
N/A							
4773.000	-53.98	9.27	10.24	-53.01	-13.00	-40.01	Н
7391.000	-46.08	12.09	12.53	-45.64	-13.00	-32.64	Н
	-40.06	12.09	12.33	-43.04	-13.00	-32.04	П
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 107 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
4241.000	-54.89	8.54	9.59	-53.84	-13.00	-40.84	V
7440.000	-46.23	12.16	12.6	-45.79	-13.00	-32.79	V
N/A							
5067.000	-54.54	9.44	10.63	-53.35	-13.00	-40.35	Н
6656.000	-51.28	11.27	11.49	-51.06	-13.00	-38.06	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 108 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
4605.000	-55.51	9.13	9.97	-54.67	-13.00	-41.67	V
7349.000	-47.59	12.06	12.46	-47.19	-13.00	-34.19	V
N/A							
4185.000	-54.77	8.49	9.55	-53.71	-13.00	-40.71	Н
4696.000	-53.98	9.13	10.11	-53.00	-13.00	-40.00	Н
N/A							
				_			

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 109 Rev. 00

LTE Band 17 / CHANNEL BANDWIDTH: 10MHz / QPSK

Operation Mode: Tx / Low channel **Test Date:** July 22, 2013

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3723.000	-56.08	8.21	9.12	-55.17	-13.00	-42.17	V
4507.000	-54.05	8.93	9.81	-53.17	-13.00	-40.17	V
N/A							
6978.000	-50.11	11.54	11.87	-49.78	-13.00	-36.78	Н
7293.000	-46.59	12.03	12.37	-46.25	-13.00	-33.25	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 110 Rev. 00

Report No.: T140415W01-RP2

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li **Humidity:** 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
4766.000	-55.47	9.26	10.23	-54.50	-13.00	-41.50	V
7300.000	-48.27	12.04	12.38	-47.93	-13.00	-34.93	V
N/A							
4311.000	-54.36	8.6	9.65	-53.31	-13.00	-40.31	Н
5081.000	-54.97	9.44	10.63	-53.78	-13.00	-40.78	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 111 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1966.000	-47.6	5.63	5.46	-47.77	-13.00	-34.77	V
4066.000	-54.3	8.42	9.45	-53.27	-13.00	-40.27	V
N/A							
4381.000	-55.27	8.63	9.7	-54.20	-13.00	-41.20	Н
6971.000	-49.16	11.54	11.87	-48.83	-13.00	-35.83	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 112 Rev. 00

LTE Band 17 / CHANNEL BANDWIDTH: 10MHz / 16QAM

Operation Mode: Tx / Low channel **Test Date:** July 22, 2013

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1966.000	-55.71	5.63	5.46	-55.88	-13.00	-42.88	V
3821.000	-55.24	8.29	9.22	-54.31	-13.00	-41.31	V
N/A							
3898.000	-54.59	8.39	9.3	-53.68	-13.00	-40.68	Н
4514.000	-54.21	8.94	9.82	-53.33	-13.00	-40.33	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 113 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li **Humidity:** 60% RH **Polarity:** Ver. / Hor.

Emission Antenna **Frequency** S.G. Cable loss Ant.Gain Limit Margin level Polarization (MHz) (dBm) (dB) (dBi) (dBm) (dB) (dBm) (V/H) 1966.000 -56.64 5.63 5.46 -56.81 -13.00 -43.81 V V 3912.000 -55.02 8.39 9.31 -54.10 -13.00 -41.10 N/A 1959.000 -54.05 5.61 5.47 -54.19 -13.00 -41.19 Η 3821.000 -53.91 8.29 9.22 -52.98 -13.00 -39.98 Η N/A

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 114 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1966.000	-52.03	5.63	5.46	-52.20	-13.00	-39.20	V
4500.000	-54.61	8.91	9.8	-53.72	-13.00	-40.72	V
N/A							
3905.000	-54.05	8.39	9.31	-53.13	-13.00	-40.13	Н
4500.000	-53.85	8.91	9.8	-52.96	-13.00	-39.96	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 115 Rev. 00

LTE Band 4 / CHANNEL BANDWIDTH: 5MHz / QPSK

Operation Mode: Tx / Low channel **Test Date:** May 4, 2014

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3422.000	-48.43	7.64	8.67	-47.40	-13.00	-34.40	V
6852.000	-47.37	11.42	11.72	-47.07	-13.00	-34.07	V
N/A							
3429.000	-54.76	7.66	8.69	-53.73	-13.00	-40.73	Н
4521.000	-52.39	8.96	9.83	-51.52	-13.00	-38.52	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 116 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3464.000	-52.16	7.76	8.79	-51.13	-13.00	-38.13	V
4794.000	-55.33	9.31	10.27	-54.37	-13.00	-41.37	V
N/A							
3870.000	-55.22	8.35	9.27	-54.30	-13.00	-41.30	Н
4262.000	-54.32	8.56	9.61	-53.27	-13.00	-40.27	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 117 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3506.000	-50.72	7.88	8.91	-49.69	-13.00	-36.69	V
4493.000	-54.76	8.89	9.79	-53.86	-13.00	-40.86	V
N/A							
3506.000	-53.57	7.88	8.91	-52.54	-13.00	-39.54	Н
7377.000	-44.3	12.08	12.5	-43.88	-13.00	-30.88	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 118 Rev. 00

LTE Band 4 / CHANNEL BANDWIDTH: 5MHz / 16QAM

Operation Mode: Tx / Low channel **Test Date:** May 4, 2014

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3429.000	-49.55	7.66	8.69	-48.52	-13.00	-35.52	V
6852.000	-45.93	11.42	11.72	-45.63	-13.00	-32.63	V
N/A							
3422.000	-54	7.64	8.67	-52.97	-13.00	-39.97	Н
7405.000	-45.75	12.1	12.55	-45.30	-13.00	-32.30	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 119 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3464.000	-53.97	7.76	8.79	-52.94	-13.00	-39.94	V
6824.000	-50.44	11.36	11.69	-50.11	-13.00	-37.11	V
N/A							
3338.000	-56.05	7.5	8.41	-55.14	-13.00	-42.14	Н
5074.000	-53.86	9.44	10.63	-52.67	-13.00	-39.67	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 120 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3506.000	-50.87	7.88	8.91	-49.84	-13.00	-36.84	V
7013.000	-48.19	11.58	11.92	-47.85	-13.00	-34.85	V
N/A							
5284.000	-53.34	9.64	10.71	-52.27	-13.00	-39.27	Н
7377.000	-44.3	12.08	12.5	-43.88	-13.00	-30.88	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 121 Rev. 00

LTE Band 4 / CHANNEL BANDWIDTH: 10MHz / QPSK

Operation Mode: Tx / Low channel **Test Date:** May 4, 2014

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3429.000	-50.41	7.66	8.69	-49.38	-13.00	-36.38	V
6859.000	-46.67	11.44	11.73	-46.38	-13.00	-33.38	V
N/A							
4507.000	-53.62	8.93	9.81	-52.74	-13.00	-39.74	Н
7377.000	-45.8	12.08	12.5	-45.38	-13.00	-32.38	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 122 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3464.000	-52.33	7.76	8.79	-51.30	-13.00	-38.30	V
6859.000	-48.96	11.44	11.73	-48.67	-13.00	-35.67	V
N/A							
4500.000	-54.01	8.91	9.8	-53.12	-13.00	-40.12	Н
5508.000	-53.9	9.96	10.8	-53.06	-13.00	-40.06	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 123 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3506.000	-50.78	7.88	8.91	-49.75	-13.00	-36.75	V
7398.000	-46	12.09	12.54	-45.55	-13.00	-32.55	V
N/A							
2799.000	-57.06	6.81	6.88	-56.99	-13.00	-43.99	Н
3884.000	-53.43	8.37	9.28	-52.52	-13.00	-39.52	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 124 Rev. 00

LTE Band 4 / CHANNEL BANDWIDTH: 10MHz / 16QAM

Operation Mode: Tx / Low channel **Test Date:** May 4, 2014

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
2169.000	-57.41	5.9	5.64	-57.67	-13.00	-44.67	V
3429.000	-52.51	7.66	8.69	-51.48	-13.00	-38.48	V
N/A							
3821.000	-53.8	8.29	9.22	-52.87	-13.00	-39.87	Н
4507.000	-53.93	8.93	9.81	-53.05	-13.00	-40.05	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 125 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3464.000	-53.26	7.76	8.79	-52.23	-13.00	-39.23	V
5067.000	-54.15	9.44	10.63	-52.96	-13.00	-39.96	V
N/A							
3744.000	-53.79	8.23	9.14	-52.88	-13.00	-39.88	Н
4521.000	-53.2	8.96	9.83	-52.33	-13.00	-39.33	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 126 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3499.000	-49.56	7.87	8.9	-48.53	-13.00	-35.53	V
6978.000	-48.01	11.54	11.87	-47.68	-13.00	-34.68	V
N/A							
3233.000	-56.54	7.33	8.1	-55.77	-13.00	-42.77	Н
3926.000	-53.81	8.38	9.33	-52.86	-13.00	-39.86	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 127 Rev. 00

LTE Band 4 / CHANNEL BANDWIDTH: 20MHz / QPSK

Operation Mode: Tx / Low channel **Test Date:** May 4, 2014

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3436.000	-52.79	7.68	8.71	-51.76	-13.00	-38.76	V
7363.000	-46.05	12.07	12.48	-45.64	-13.00	-32.64	V
N/A							
3436.000	-51.95	7.68	8.71	-50.92	-13.00	-37.92	Н
6894.000	-48.14	11.52	11.77	-47.89	-13.00	-34.89	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 128 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3457.000	-54.17	7.74	8.77	-53.14	-13.00	-40.14	V
4941.000	-54.52	9.32	10.51	-53.33	-13.00	-40.33	V
N/A							
3366.000	-55.58	7.53	8.5	-54.61	-13.00	-41.61	Н
7286.000	-46.36	12.01	12.36	-46.01	-13.00	-33.01	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 129 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3457.000	-53.23	7.74	8.77	-52.20	-13.00	-39.20	V
N/A							
4808.000	-53.16	9.32	10.29	-52.19	-13.00	-39.19	Н
7384.000	-46.08	12.08	12.51	-45.65	-13.00	-32.65	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 130 Rev. 00

LTE Band 4 / CHANNEL BANDWIDTH: 20MHz / 16QAM

Operation Mode: Tx / Low channel **Test Date:** May 4, 2014

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3884.000	-55.11	8.37	9.28	-54.20	-13.00	-41.20	V
6859.000	-48.92	11.44	11.73	-48.63	-13.00	-35.63	V
N/A							
3436.000	-51.95	7.68	8.71	-50.92	-13.00	-37.92	Н
4458.000	-54.48	8.8	9.77	-53.51	-13.00	-40.51	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 131 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3457.000	-54.17	7.74	8.77	-53.14	-13.00	-40.14	V
4472.000	-54.26	8.83	9.78	-53.31	-13.00	-40.31	V
N/A							
3366.000	-55.58	7.53	8.5	-54.61	-13.00	-41.61	Н
7328.000	-46.23	12.05	12.42	-45.86	-13.00	-32.86	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 132 Rev. 00

Report No.: T140415W01-RP2

Temperature: 26°C **Tested by:** Dennis Li

Humidity: 60% RH **Polarity:** Ver. / Hor.

Frequency (MHz)	S.G. (dBm)	Cable loss (dB)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3457.000	-53.23	7.74	8.77	-52.20	-13.00	-39.20	V
4367.000	-54.43	8.63	9.69	-53.37	-13.00	-40.37	V
N/A							
4808.000	-53.16	9.32	10.29	-52.19	-13.00	-39.19	Н
7048.000	-48.29	11.68	11.98	-47.99	-13.00	-34.99	Н
N/A							

Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.

Page 133 Rev. 00