



FCC RADIO TEST REPORT

FCC ID : GZ5NVG558HX
Equipment : Fixed Broadband Gateway
Brand Name : ARRIS
Model Name : NVG558HX
Applicant : Arris
2500 Walsh Ave. Santa Clara, California
95051, United States
Manufacturer : Arris
101 Tournament Drive, Horsham PA, 19044
Standard : FCC 47 CFR Part 2, 22(H), 24(E), 27

The product was received on Sep. 11, 2020 and testing was started from Sep. 14, 2020 and completed on Oct. 04, 2020. We, Sporton International (USA) Inc., would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

The test results in this partial report apply exclusively to the tested model / sample. Without written approval of Sporton International (USA) Inc., the test report shall not be reproduced except in full.

Approved by: Neil Kao

Sporton International (USA) Inc.
1175 Montague Expressway, Milpitas, CA 95035



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History of this test report

Report No.	Version	Description	Issued Date
FG190926002-04A	01	Initial issue of report	Oct. 07, 2020



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	§2.1046	Conducted Output Power	-	See Note
	§22.913 (a)(2)	Effective Radiated Power (Band 5) (Band 26)	Pass	-
	§27.50 (b)(10) §27.50 (c)(10)	Effective Radiated Power (Band 12) (Band 13) (Band 17)		
	§24.232 (c)	Equivalent Isotropic Radiated Power (Band 2) (Band 25)		
	§27.50 (d)(4)	Equivalent Isotropic Radiated Power (Band 4) (Band 66)		
-	§24.232 (d) §27.50 (d)(5)	Peak-to-Average Ratio	-	See Note
-	§2.1049	Occupied Bandwidth	-	See Note
-	§2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2)(4) §27.53 (g) §27.53 (h)	Conducted Band Edge Measurement (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66)	-	See Note
-	§2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (g) §27.53 (h)	Conducted Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66)	-	See Note
-	§2.1055 §22.355 §24.235 §27.54	Frequency Stability Temperature & Voltage	-	See Note
4.2	§2.1053 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (f) §27.53 (g) §27.53 (h)	Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66)	Pass	Under limit 18.03 dB at 1564.000 MHz

Note: The module (Model: EM12-G) makes no difference after verifying output power, this report reuses test data from the module report.

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.



1 General Description

1.1 Product Feature of Equipment Under Test

LTE

Product Specification subjective to this standard	
Antenna Type	Fixed External Antenna / Fixed Internal Antenna

1.2 Modification of EUT

No modifications are made to the EUT during all test items.

1.3 Testing Location

Test Site	Sporton International (USA) Inc.	
Test Site Location	1175 Montague Expressway, Milpitas, CA 95035 TEL : 408 9043300	
Test Site No.	Sporton Site No.	
	TH01-CA	03CH01-CA
Test Engineer	Andy Kao	Janssen Wongso and Peter Liao
Temperature	23.5~23.6°C	21~25°C
Relative Humidity	44.1~44.6%	52~56%

Note: The test site complies with ANSI C63.4 2014 requirement.

1.4 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ ANSI C63.26-2015
- ♦ ANSI / TIA-603-E
- ♦ FCC 47 CFR Part 2, 22(H), 24(E), 27
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.



2 Test Configuration of Equipment Under Test

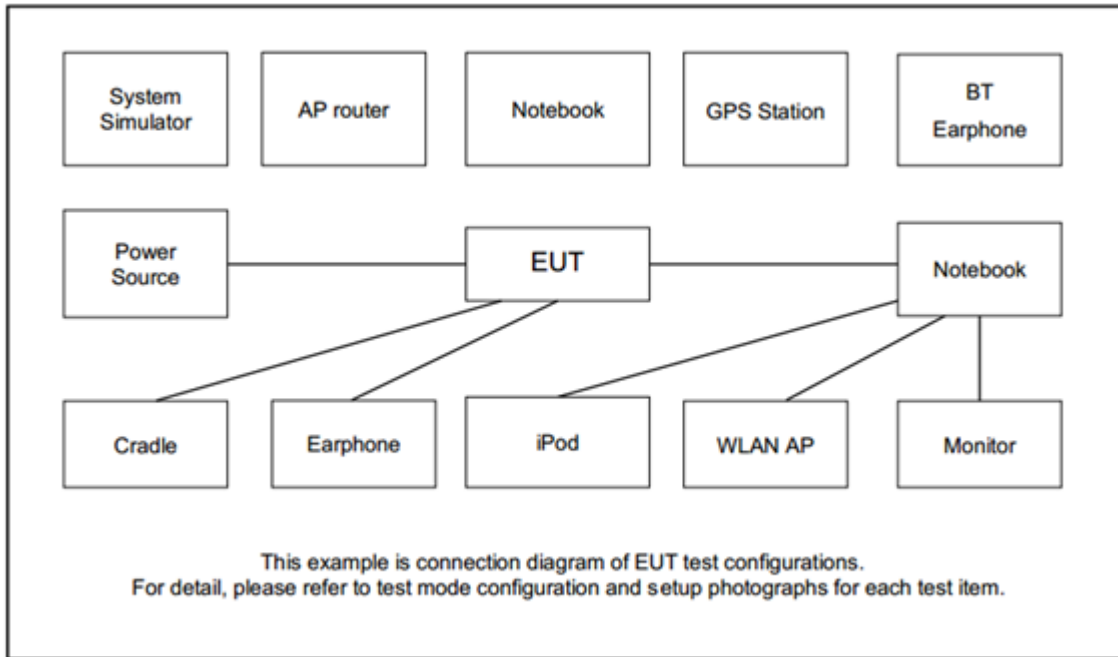
2.1 Test Mode

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power.

For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Y plane) were recorded in this report.

Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
E.R.P / E.I.R.P	2	v	v	v	v	v	v	v	v	-	v			v	v	v
	4	v	v	v	v	v	v	v	v	-	v			v	v	v
	5	v	v	v	v	-	-	v	v	-	v			v	v	v
	12	v	v	v	v	-	-	v	v	-	v			v	v	v
	13	-	-	v	v	-	-	v	v	-	v			v	v	v
	17	-	-	v	v	-	-	v	v	-	v			v	v	v
	25	v	v	v	v	v	v	v	v	-	v			v	v	v
	26	v	v	v	v	v	-	v	v	-	v	v		v	v	v
	66	v	v	v	v	v	v	v	v	-	v	v		v	v	v
Radiated Spurious Emission	2						v	v			v			v	v	v
	4						v	v			v			v	v	v
	5			v		-	-	v			v			v	v	v
	12				v	-	-	v			v			v	v	v
	13	-	-	v	v	-	-	v			v			v	v	v
	17	-	-		v	-	-	v			v			v	v	v
	25						v	v			v			v	v	v
	26					v	-	v			v			v	v	v
	66						v	v			v			v	v	v
Remark	<ol style="list-style-type: none"> The mark "v" means that this configuration is chosen for testing The mark "-" means that this bandwidth is not supported. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. 															

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model No.	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m



2.4 Frequency List of Low/Middle/High Channels

LTE Band 2 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	18700	18900	19100
	Frequency	1860	1880	1900
15	Channel	18675	18900	19125
	Frequency	1857.5	1880	1902.5
10	Channel	18650	18900	19150
	Frequency	1855	1880	1905
5	Channel	18625	18900	19175
	Frequency	1852.5	1880	1907.5
3	Channel	18615	18900	19185
	Frequency	1851.5	1880	1908.5
1.4	Channel	18607	18900	19193
	Frequency	1850.7	1880	1909.3

LTE Band 4 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20050	20175	20300
	Frequency	1720	1732.5	1745
15	Channel	20025	20175	20325
	Frequency	1717.5	1732.5	1747.5
10	Channel	20000	20175	20350
	Frequency	1715	1732.5	1750
5	Channel	19975	20175	20375
	Frequency	1712.5	1732.5	1752.5
3	Channel	19965	20175	20385
	Frequency	1711.5	1732.5	1753.5
1.4	Channel	19957	20175	20393
	Frequency	1710.7	1732.5	1754.3



LTE Band 5 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	20450	20525	20600
	Frequency	829	836.5	844
5	Channel	20425	20525	20625
	Frequency	826.5	836.5	846.5
3	Channel	20415	20525	20635
	Frequency	825.5	836.5	847.5
1.4	Channel	20407	20525	20643
	Frequency	824.7	836.5	848.3

LTE Band 12 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	23060	23095	23130
	Frequency	704	707.5	711
5	Channel	23035	23095	23155
	Frequency	701.5	707.5	713.5
3	Channel	23025	23095	23165
	Frequency	700.5	707.5	714.5
1.4	Channel	23017	23095	23173
	Frequency	699.7	707.5	715.3

LTE Band 13 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	23230	-
	Frequency	-	782	-
5	Channel	23205	23230	23255
	Frequency	779.5	782	784.5

LTE Band 17 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	23780	23790	23800
	Frequency	709	710	711
5	Channel	23755	23790	23825
	Frequency	706.5	710	713.5



LTE Band 25 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	26140	26340	26590
	Frequency	1860	1880	1905
15	Channel	26115	26340	26615
	Frequency	1857.5	1880	1907.5
10	Channel	26090	26340	26640
	Frequency	1855	1880	1910
5	Channel	26065	26340	26665
	Frequency	1852.5	1880	1912.5
3	Channel	26055	26340	26675
	Frequency	1851.5	1880	1913.5
1.4	Channel	26047	26340	26683
	Frequency	1850.7	1880	1914.3

LTE Band 26 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
15	Channel	26865	26915	26965
	Frequency	831.5	836.5	841.5
10	Channel	26840	26915	26990
	Frequency	829.0	836.5	844.0
5	Channel	26815	26915	27015
	Frequency	826.5	836.5	846.5
3	Channel	26805	26915	27025
	Frequency	825.5	836.5	847.5
1.4	Channel	26797	26915	27033
	Frequency	824.7	836.5	848.3



LTE Band 66 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	132072	132322	132572
	Frequency	1720	1745	1770
15	Channel	132047	132322	132597
	Frequency	1717.5	1745	1772.5
10	Channel	132022	132322	132622
	Frequency	1715	1745	1775
5	Channel	131997	132322	132647
	Frequency	1712.5	1745	1777.5
3	Channel	131987	132322	132657
	Frequency	1711.5	1745	1778.5
1.4	Channel	131979	132322	132665
	Frequency	1710.7	1745	1779.3



3 Conducted Test Items

3.1 Conducted Output Power and ERP/EIRP

3.1.1 Description of the Conducted Output Power Measurement and ERP/EIRP Measurement

A system simulator was used to establish communication with the EUT. Its parameters were set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The ERP of mobile transmitters must not exceed 7 Watts for LTE Band 5 and Band 26

The ERP of mobile transmitters must not exceed 3 Watts for LTE Band 12 and Band 13 and Band 17

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 2 and Band 25

The EIRP of mobile transmitters must not exceed 1 Watts for LTE Band 4 and Band 66

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - L_C$, $ERP = EIRP - 2.15$, where

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB

3.1.2 Test Procedures

1. The transmitter output port was connected to the system simulator.
2. Set EUT at maximum power through the system simulator.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure and record the power level from the system simulator.

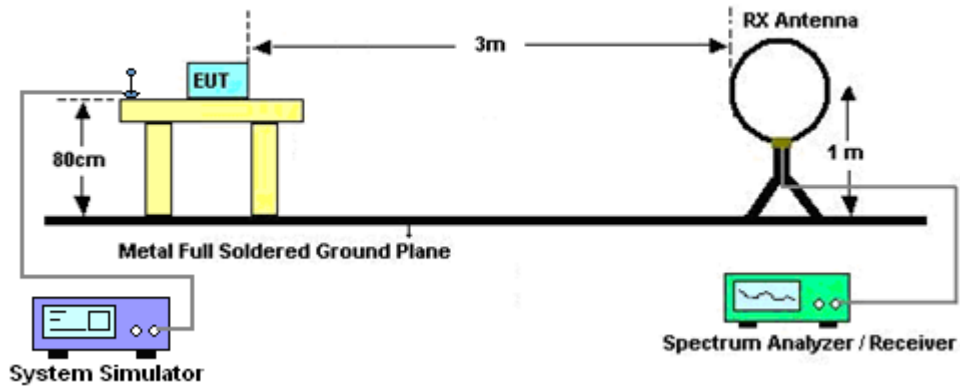
4 Radiated Test Items

4.1 Measuring Instruments

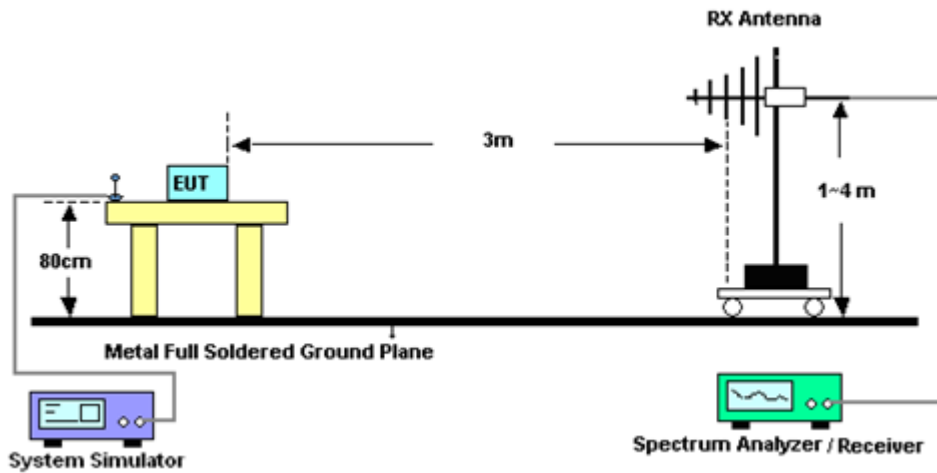
See list of measuring instruments of this test report.

4.1.1 Test Setup

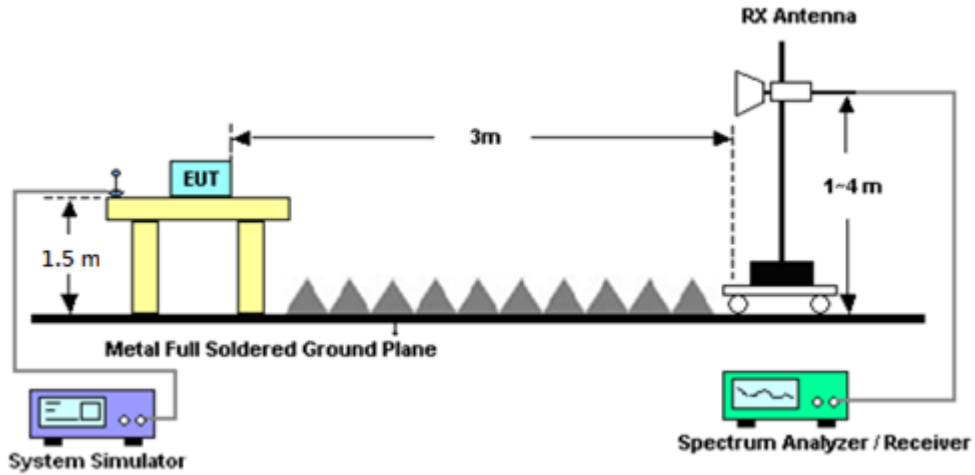
For radiated test below 30MHz



For radiated test from 30MHz to 1GHz



For radiated test above 1GHz



4.1.2 Test Result of Radiated Test

Please refer to Appendix A.

Note:

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.



4.2 Radiated Spurious Emission Measurement

4.2.1 Description of Radiated Spurious Emission Measurement

The radiated spurious emission was measured by substitution method according to ANSI / TIA-603-E. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

For LTE Band 13

For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

4.2.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 7 and ANSI / TIA-603-E Section 2.2.12.

1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)

$EIRP \text{ (dBm)} = S.G. \text{ Power} - Tx \text{ Cable Loss} + Tx \text{ Antenna Gain}$

$ERP \text{ (dBm)} = EIRP - 2.15$



5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Radio Communication Analyze	Anritsu	MT8820C	6201300652	N/A	Jul. 21, 2020	Sep. 14, 2020~ Oct. 04, 2020	Jul. 20, 2021	Conducted (TH01-CA)
Spectrum Analyzer	Rohde & Schwarz	FSV13	101559	10Hz~13.6GHz	Jun. 17, 2020	Sep. 14, 2020~ Oct. 04, 2020	Jun. 16, 2021	Conducted (TH01-CA)
Bilog Antenna	TESEQ	6111D	50391	30MHz~1GHz	Jul. 06, 2020	Sep. 14, 2020~ Oct. 04, 2020	Jul. 05, 2021	Radiation (03CH01-CA)
Horn Antenna	SCHWARZBECK	BBHA 9120D	01894	1GHz~18GHz	Jul. 13, 2020	Sep. 14, 2020~ Oct. 04, 2020	Jul. 12, 2021	Radiation (03CH01-CA)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00841	18GHz~40GHz	Aug. 27, 2020	Sep. 14, 2020~ Oct. 04, 2020	Aug. 26, 2021	Radiation (03CH01-CA)
Preamplifier	SONOMA	310N	372241	N/A	Jul. 28, 2020	Sep. 14, 2020~ Oct. 04, 2020	Jul. 27, 2021	Radiation (03CH01-CA)
Preamplifier	Keysight	83017A	MY53270321	1GHz~26.5GHz	Aug. 28, 2020	Sep. 14, 2020~ Oct. 04, 2020	Aug. 27, 2021	Radiation (03CH01-CA)
Preamplifier	Jet-Power	JPA0118-55-303	1710001800 055004	1GHz~18GHz	Aug. 07, 2020	Sep. 14, 2020~ Oct. 04, 2020	Aug. 06, 2021	Radiation (03CH01-CA)
Preamplifier	EMEC	EMC18G40G	060725	18G-40G	Aug. 07, 2020	Sep. 14, 2020~ Oct. 04, 2020	Aug. 06, 2021	Radiation (03CH01-CA)
Spectrum Analyzer	R&S	FSV40	101545	40GHz	Jun. 26, 2020	Sep. 14, 2020~ Oct. 04, 2020	Jun. 25, 2021	Radiation (03CH01-CA)
Hygrometer	TESTO	608-H1	45142559	N/A	Aug. 05, 2020	Sep. 14, 2020~ Oct. 04, 2020	Aug. 04, 2021	Radiation (03CH01-CA)
Signal Generator	Rohde & Schwarz	SMF100A	105544	9kHz~44GHz	Jun. 09, 2020	Sep. 14, 2020~ Oct. 04, 2020	Jun. 08, 2021	Radiation (03CH01-CA)
Horn Antenna	SCHWARZBECK	BBHA 9120D	02140	N/A	Aug. 28, 2020	Sep. 14, 2020~ Oct. 04, 2020	Aug. 27, 2021	Radiation (03CH01-CA)
Controller	Chaintek	EM-1000	060881	N/A	N/A	Sep. 14, 2020~ Oct. 04, 2020	N/A	Radiation (03CH01-CA)
Software	Audix	E3	N/A	N/A	N/A	Sep. 14, 2020~ Oct. 04, 2020	N/A	Radiation (03CH01-CA)



6 Uncertainty of Evaluation

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.46
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.70
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.74
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Appendix A. Test Results of ERP/EIRP and Radiated Test

ERP/EIRP

LTE Band 2 / 1.4MHz (Average) (GT - LC = 6.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	3	22.59	0.1816	29.19	0.8299
Middle		1	3	22.45	0.1758	29.05	0.8035
Highest		1	3	22.51	0.1782	29.11	0.8147
Lowest	16QAM	1	3	22.12	0.1629	28.72	0.7447
Middle		1	3	21.97	0.1574	28.57	0.7194
Highest		1	3	22.06	0.1607	28.66	0.7345
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average) (GT - LC = 6.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Middle	QPSK	1	0	22.49	0.1774	29.09	0.8110
Middle	16QAM	1	8	22.05	0.1603	28.65	0.7328
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average) (GT - LC = 6.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Middle	QPSK	1	0	22.54	0.1795	29.14	0.8204
Middle	16QAM	1	0	22.10	0.1622	28.70	0.7413
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 10MHz (Average) (GT - LC = 6.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Middle	QPSK	1	0	22.60	0.1820	29.20	0.8318
Middle	16QAM	1	0	22.08	0.1614	28.68	0.7379
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average) (GT - LC = 6.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Middle	QPSK	1	0	22.51	0.1782	29.11	0.8147
Middle	16QAM	1	0	22.15	0.1641	28.75	0.7499
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average) (GT - LC = 6.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.70	0.1862	29.30	0.8511
Middle		1	0	22.66	0.1845	29.26	0.8433
Highest		1	0	22.96	0.1977	29.56	0.9036
Lowest	16QAM	1	0	22.35	0.1718	28.95	0.7852
Middle		1	0	22.14	0.1637	28.74	0.7482
Highest		1	0	22.43	0.1750	29.03	0.7998
Limit	EIRP < 2W			Result		PASS	



LTE Band 25 / 1.4MHz (Average) (GT - LC = 6.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.69	0.1858	29.29	0.8492
Middle		1	0	22.56	0.1803	29.16	0.8241
Highest		1	0	22.90	0.1950	29.50	0.8913
Lowest	16QAM	1	0	22.10	0.1622	28.70	0.7413
Middle		1	0	22.00	0.1585	28.60	0.7244
Highest		1	0	22.31	0.1702	28.91	0.7780
Limit	EIRP < 2W			Result		PASS	

LTE Band 25 / 3MHz (Average) (GT - LC = 6.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Middle	QPSK	1	14	22.34	0.1714	28.94	0.7834
Middle	16QAM	1	0	21.86	0.1535	28.46	0.7015
Limit	EIRP < 2W			Result		PASS	

LTE Band 25 / 5MHz (Average) (GT - LC = 6.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Middle	QPSK	1	12	22.41	0.1742	29.01	0.7962
Middle	16QAM	1	12	21.92	0.1556	28.52	0.7112
Limit	EIRP < 2W			Result		PASS	



LTE Band 25 / 10MHz (Average) (GT - LC = 6.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Middle	QPSK	1	25	22.37	0.1726	28.97	0.7889
Middle	16QAM	1	0	21.86	0.1535	28.46	0.7015
Limit	EIRP < 2W			Result		PASS	

LTE Band 25 / 15MHz (Average) (GT - LC = 6.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Middle	QPSK	1	0	22.52	0.1786	29.12	0.8166
Middle	16QAM	1	74	21.84	0.1528	28.44	0.6982
Limit	EIRP < 2W			Result		PASS	

LTE Band 25 / 20MHz (Average) (GT - LC = 6.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.77	0.1892	29.37	0.8650
Middle		1	0	22.68	0.1854	29.28	0.8472
Highest		1	0	22.96	0.1977	29.56	0.9036
Lowest	16QAM	1	0	22.26	0.1683	28.86	0.7691
Middle		1	0	22.23	0.1671	28.83	0.7638
Highest		1	0	22.31	0.1702	28.91	0.7780
Limit	EIRP < 2W			Result		PASS	



LTE Band 4 / 1.4MHz (Average) (GT - LC = 4.2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	3	22.83	0.1919	27.03	0.5047
Middle		1	3	22.66	0.1845	26.86	0.4853
Highest		1	3	22.75	0.1884	26.95	0.4955
Lowest	16QAM	1	3	22.21	0.1663	26.41	0.4375
Middle		1	3	22.02	0.1592	26.22	0.4188
Highest		1	3	22.10	0.1622	26.30	0.4266
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average) (GT - LC = 4.2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Middle	QPSK	1	8	22.62	0.1828	26.82	0.4808
Middle	16QAM	1	0	22.12	0.1629	26.32	0.4285
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average) (GT - LC = 4.2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Middle	QPSK	1	12	22.66	0.1845	26.86	0.4853
Middle	16QAM	1	0	22.20	0.1660	26.40	0.4365
Limit	EIRP < 1W			Result		PASS	



LTE Band 4 / 10MHz (Average) (GT - LC = 4.2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Middle	QPSK	1	0	22.78	0.1897	26.98	0.4989
Middle	16QAM	1	0	22.24	0.1675	26.44	0.4406
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average) (GT - LC = 4.2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Middle	QPSK	1	0	22.85	0.1928	27.05	0.5070
Middle	16QAM	1	74	22.10	0.1622	26.30	0.4266
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average) (GT - LC = 4.2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.06	0.2023	27.26	0.5321
Middle		1	0	22.98	0.1986	27.18	0.5224
Highest		1	0	22.88	0.1941	27.08	0.5105
Lowest	16QAM	1	0	22.56	0.1803	26.76	0.4742
Middle		1	0	22.53	0.1791	26.73	0.4710
Highest		1	0	22.22	0.1667	26.42	0.4385
Limit	EIRP < 1W			Result		PASS	



LTE Band 5 / 1.4MHz (Average) (GT - LC = 3.3 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	3	22.54	0.1795	23.69	0.2339
Middle		1	3	22.48	0.1770	23.63	0.2307
Highest		1	3	22.61	0.1824	23.76	0.2377
Lowest	16QAM	1	3	22.04	0.1600	23.19	0.2084
Middle		1	3	22.01	0.1589	23.16	0.2070
Highest		1	3	22.08	0.1614	23.23	0.2104
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average) (GT - LC = 3.3 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Middle	QPSK	1	0	22.52	0.1786	23.67	0.2328
Middle	16QAM	1	14	22.03	0.1596	23.18	0.2080
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average) (GT - LC = 3.3 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Middle	QPSK	1	0	22.51	0.1782	23.66	0.2323
Middle	16QAM	1	0	22.05	0.1603	23.20	0.2089
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 10MHz (Average) (GT - LC = 3.3 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.86	0.1932	24.01	0.2518
Middle		1	0	22.92	0.1959	24.07	0.2553
Highest		1	0	23.01	0.2000	24.16	0.2606
Lowest	16QAM	1	0	22.48	0.1770	23.63	0.2307
Middle		1	0	22.49	0.1774	23.64	0.2312
Highest		1	0	22.33	0.1710	23.48	0.2228
Limit	ERP < 7W			Result		PASS	



LTE Band 12 / 1.4MHz (Average) (GT - LC = 4.8 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	3	22.39	0.1734	25.04	0.3192
Middle		1	3	22.35	0.1718	25.00	0.3162
Highest		1	3	22.41	0.1742	25.06	0.3206
Lowest	16QAM	1	3	21.77	0.1503	24.42	0.2767
Middle		1	3	21.88	0.1542	24.53	0.2838
Highest		1	3	21.93	0.1560	24.58	0.2871
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 3MHz (Average) (GT - LC = 4.8 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Middle	QPSK	1	0	22.40	0.1738	25.05	0.3199
Middle	16QAM	1	14	21.95	0.1567	24.60	0.2884
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 5MHz (Average) (GT - LC = 4.8 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Middle	QPSK	1	24	22.41	0.1742	25.06	0.3206
Middle	16QAM	1	0	21.92	0.1556	24.57	0.2864
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 10MHz (Average) (GT - LC = 4.8 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	25	22.77	0.1892	25.42	0.3483
Middle		1	25	22.67	0.1849	25.32	0.3404
Highest		1	25	22.64	0.1837	25.29	0.3381
Lowest	16QAM	1	49	22.34	0.1714	24.99	0.3155
Middle		1	49	22.32	0.1706	24.97	0.3141
Highest		1	49	22.37	0.1726	25.02	0.3177
Limit	ERP < 3W			Result		PASS	



LTE Band 13 / 5MHz (Average) (GT - LC = 3.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.53	0.1791	24.28	0.2679
Middle		1	0	22.68	0.1854	24.43	0.2773
Highest		1	0	22.64	0.1837	24.39	0.2748
Lowest	16QAM	1	24	22.16	0.1644	23.91	0.2460
Middle		1	24	22.08	0.1614	23.83	0.2415
Highest		1	24	22.29	0.1694	24.04	0.2535
Limit	ERP < 3W			Result		PASS	

LTE Band 13 / 10MHz (Average) (GT - LC = 3.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Middle	QPSK	1	49	23.01	0.2000	24.76	0.2992
Middle	16QAM	1	49	22.52	0.1786	24.27	0.2673
Limit	ERP < 3W			Result		PASS	



LTE Band 17 / 5MHz (Average) (GT - LC = 4.8 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	24	22.70	0.1862	25.35	0.3428
Middle		1	24	22.70	0.1862	25.35	0.3428
Highest		1	24	22.85	0.1928	25.50	0.3548
Lowest	16QAM	1	12	22.35	0.1718	25.00	0.3162
Middle		1	12	22.59	0.1816	25.24	0.3342
Highest		1	12	22.35	0.1718	25.00	0.3162
Limit	ERP < 3W			Result		PASS	

LTE Band 17 / 10MHz (Average) (GT - LC = 4.8 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	49	22.93	0.1963	25.58	0.3614
Middle		1	49	22.87	0.1936	25.52	0.3565
Highest		1	49	22.90	0.1950	25.55	0.3589
Lowest	16QAM	1	49	22.44	0.1754	25.09	0.3228
Middle		1	49	22.42	0.1746	25.07	0.3214
Highest		1	49	22.37	0.1726	25.02	0.3177
Limit	ERP < 3W			Result		PASS	



LTE Band 26 / 1.4MHz (Average) (GT - LC = 3.3 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	1	22.84	0.1923	23.99	0.2506
Middle		3	1	22.69	0.1858	23.84	0.2421
Highest		1	3	22.81	0.1910	23.96	0.2489
Lowest	16QAM	1	0	22.20	0.1660	23.35	0.2163
Middle		1	3	22.11	0.1626	23.26	0.2118
Highest		1	3	22.28	0.1690	23.43	0.2203
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 3MHz (Average) (GT - LC = 3.3 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Middle	QPSK	1	8	22.22	0.1667	23.37	0.2173
Middle	16QAM	1	8	21.82	0.1521	22.97	0.1982
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 5MHz (Average) (GT - LC = 3.3 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Middle	QPSK	1	24	22.24	0.1675	23.39	0.2183
Middle	16QAM	1	12	21.82	0.1521	22.97	0.1982
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 10MHz (Average) (GT - LC = 3.3 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Middle	QPSK	1	0	22.36	0.1722	23.51	0.2244
Middle	16QAM	1	0	21.92	0.1556	23.07	0.2028
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 15MHz (Average) (GT - LC = 3.3 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.37	0.2173	24.52	0.2831
Middle		1	0	23.25	0.2113	24.40	0.2754
Highest		1	0	23.30	0.2138	24.45	0.2786
Lowest	16QAM	1	0	22.67	0.1849	23.82	0.2410
Middle		1	0	22.80	0.1905	23.95	0.2483
Highest		1	0	22.90	0.1950	24.05	0.2541
Limit	ERP < 7W			Result		PASS	



LTE Band 66 / 1.4MHz (Average) (GT - LC = 4.2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	1	22.61	0.1824	26.81	0.4797
Middle		1	5	22.34	0.1714	26.54	0.4508
Highest		1	0	22.43	0.1750	26.63	0.4603
Lowest	16QAM	1	5	22.10	0.1622	26.30	0.4266
Middle		1	3	21.87	0.1538	26.07	0.4046
Highest		1	3	22.01	0.1589	26.21	0.4178
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 3MHz (Average) (GT - LC = 4.2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Middle	QPSK	1	0	22.31	0.1702	26.51	0.4477
Middle	16QAM	1	0	21.83	0.1524	26.03	0.4009
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 5MHz (Average) (GT - LC = 4.2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Middle	QPSK	1	0	22.35	0.1718	26.55	0.4519
Middle	16QAM	1	0	21.82	0.1521	26.02	0.3999
Limit	EIRP < 1W			Result		PASS	



LTE Band 66 / 10MHz (Average) (GT - LC = 4.2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Middle	QPSK	1	0	22.44	0.1754	26.64	0.4613
Middle	16QAM	1	0	21.98	0.1578	26.18	0.4150
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 15MHz (Average) (GT - LC = 4.2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Middle	QPSK	1	0	23.53	0.2254	27.73	0.5929
Middle	16QAM	1	0	21.83	0.1524	26.03	0.4009
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 20MHz (Average) (GT - LC = 4.2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.08	0.2032	27.28	0.5346
Middle		1	0	22.86	0.1932	27.06	0.5082
Highest		1	0	22.91	0.1954	27.11	0.5140
Lowest	16QAM	1	0	22.65	0.1841	26.85	0.4842
Middle		1	0	22.40	0.1738	26.60	0.4571
Highest		1	0	22.42	0.1746	26.62	0.4592
Limit	EIRP < 1W			Result		PASS	



Radiated Spurious Emission

LTE Band 5

LTE Band 5 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Low	1649	-61.18	-13	-48.18	-74.07	-66.51	1.09	8.58	H
	2474	-55.89	-13	-42.89	-73.11	-62.95	1.34	10.55	H
	3298	-55.76	-13	-42.76	-75.46	-63.97	1.55	11.92	H
	4123	-52.43	-13	-39.43	-75.69	-61.31	1.72	12.75	H
	1649	-61.45	-13	-48.45	-73.7	-66.78	1.09	8.58	V
	2474	-55.79	-13	-42.79	-72.59	-62.85	1.34	10.55	V
	3298	-55.80	-13	-42.80	-75.25	-64.01	1.55	11.92	V
	4123	-52.86	-13	-39.86	-75.77	-61.74	1.72	12.75	V



LTE Band 5 / 10MHz / QPSK										
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	
Middle	1664	-61.27	-13	-48.27	-74.18	-66.65	1.10	8.62	H	
	2496	-56.23	-13	-43.23	-73.37	-63.32	1.35	10.59	H	
	3328	-55.57	-13	-42.57	-75.14	-63.85	1.56	11.99	H	
	4160	-52.47	-13	-39.47	-75.83	-61.33	1.73	12.74	H	
	1664	-61.82	-13	-48.82	-74.12	-67.20	1.10	8.62	V	
	2496	-56.90	-13	-43.90	-73.59	-63.99	1.35	10.59	V	
	3328	-55.96	-13	-42.96	-75.29	-64.24	1.56	11.99	V	
	4160	-53.11	-13	-40.11	-76.17	-61.97	1.73	12.74	V	



LTE Band 5 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
High	1679	-61.41	-13	-48.41	-74.34	-66.83	1.10	8.67	H
	2518	-56.93	-13	-43.93	-74.07	-64.05	1.35	10.62	H
	3358	-55.27	-13	-42.27	-74.71	-63.61	1.57	12.06	H
	4197	-52.37	-13	-39.37	-75.02	-61.20	1.74	12.72	H
	1679	-62.11	-13	-49.11	-74.44	-67.53	1.10	8.67	V
	2518	-57.01	-13	-44.01	-73.78	-64.13	1.35	10.62	V
	3358	-56.00	-13	-43.00	-75.22	-64.34	1.57	12.06	V
	4197	-52.23	-13	-39.23	-75.43	-61.06	1.74	12.72	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 26

LTE Band 26 / 15MHz / QPSK										
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	
Low	1650	-61.47	-13	-48.47	-74.36	-66.80	1.10	8.58	H	
	2474	-55.87	-13	-42.87	-73.08	-62.93	1.34	10.55	H	
	3299	-55.44	-13	-42.44	-75.14	-63.65	1.55	11.92	H	
	4124	-52.54	-13	-39.54	-75.8	-61.42	1.72	12.75	H	
	1650	-61.88	-13	-48.88	-74.13	-67.21	1.10	8.58	V	
	2474	-56.12	-13	-43.12	-72.92	-63.18	1.34	10.55	V	
	3299	-55.86	-13	-42.86	-75.3	-64.07	1.55	11.92	V	
	4124	-52.88	-13	-39.88	-75.79	-61.76	1.72	12.75	V	



LTE Band 26 / 15MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1660	-61.36	-13	-48.36	-74.26	-66.72	1.10	8.61	H
	2490	-56.02	-13	-43.02	-73.17	-63.10	1.35	10.58	H
	3319	-55.71	-13	-42.71	-75.31	-63.97	1.56	11.97	H
	4149	-52.78	-13	-39.78	-76.11	-61.64	1.73	12.74	H
	1660	-61.92	-13	-48.92	-74.2	-67.28	1.10	8.61	V
	2490	-56.47	-13	-43.47	-73.19	-63.55	1.35	10.58	V
	3319	-55.98	-13	-42.98	-75.34	-64.24	1.56	11.97	V
	4149	-52.39	-13	-39.39	-75.41	-61.25	1.73	12.74	V



LTE Band 26 / 15MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
High	1670	-61.25	-13	-48.25	-74.16	-66.64	1.10	8.64	H
	2504	-56.55	-13	-43.55	-73.68	-63.65	1.35	10.60	H
	3339	-55.80	-13	-42.80	-75.32	-64.10	1.56	12.01	H
	4174	-52.64	-13	-39.64	-76.03	-61.49	1.73	12.73	H
	1670	-62.12	-13	-49.12	-74.42	-67.51	1.10	8.64	V
	2504	-56.87	-13	-43.87	-73.57	-63.97	1.35	10.60	V
	3339	-56.35	-13	-43.35	-75.64	-64.65	1.56	12.01	V
	4174	-52.69	-13	-39.69	-75.8	-61.54	1.73	12.73	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 2

LTE Band 2 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Low	3702	-44.08	-13	-31.08	-66.97	-55.00	1.64	12.56	H
	5553	-49.88	-13	-36.88	-76.64	-61.09	2.00	13.21	H
	7404	-45.68	-13	-32.68	-75.79	-54.42	2.42	11.15	H
	9255	-42.12	-13	-29.12	-74.78	-51.16	2.71	11.75	H
	11106	-38.29	-13	-25.29	-71.28	-46.31	2.99	11.01	H
	12957	-31.71	-13	-18.71	-68.29	-41.78	3.26	13.33	H
	3702	-47.72	-13	-34.72	-69.97	-58.64	1.64	12.56	V
	5553	-48.83	-13	-35.83	-76.32	-60.04	2.00	13.21	V
	7404	-45.41	-13	-32.41	-75.64	-54.15	2.42	11.15	V
	9255	-42.12	-13	-29.12	-74.59	-51.16	2.71	11.75	V
	11106	-40.43	-13	-27.43	-74	-48.45	2.99	11.01	V
	12957	-33.49	-13	-20.49	-69.31	-43.56	3.26	13.33	V



LTE Band 2 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3742	-43.69	-13	-30.69	-66.63	-54.63	1.65	12.59	H
	5613	-50.00	-13	-37.00	-76.88	-61.21	2.01	13.22	H
	7484	-45.73	-13	-32.73	-75.99	-54.32	2.44	11.03	H
	9355	-42.40	-13	-29.40	-75.26	-51.36	2.72	11.69	H
	11226	-39.63	-13	-26.63	-72.77	-47.75	3.01	11.13	H
	13097	-32.92	-13	-19.92	-69.75	-42.85	3.28	13.20	H
	3742	-47.83	-13	-34.83	-70.18	-58.77	1.65	12.59	V
	5613	-49.12	-13	-36.12	-76.54	-60.33	2.01	13.22	V
	7484	-46.33	-13	-33.33	-76.33	-54.92	2.44	11.03	V
	9355	-43.33	-13	-30.33	-75.93	-52.29	2.72	11.69	V
	11226	-40.43	-13	-27.43	-74.2	-48.55	3.01	11.13	V
	13097	-34.47	-13	-21.47	-70.64	-44.40	3.28	13.20	V



LTE Band 2 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
High	3782	-44.48	-13	-31.48	-67.48	-55.45	1.66	12.63	H
	5673	-49.20	-13	-36.20	-76.32	-60.41	2.03	13.23	H
	7564	-45.14	-13	-32.14	-75.55	-53.69	2.45	11.00	H
	9455	-42.32	-13	-29.32	-75.09	-51.21	2.74	11.63	H
	11346	-39.93	-13	-26.93	-73.22	-48.14	3.03	11.25	H
	13237	-32.34	-13	-19.34	-69.42	-42.11	3.29	13.06	H
	3782	-48.87	-13	-35.87	-71.32	-59.84	1.66	12.63	V
	5673	-48.88	-13	-35.88	-76.45	-60.09	2.03	13.23	V
	7564	-46.04	-13	-33.04	-75.74	-54.59	2.45	11.00	V
	9455	-42.41	-13	-29.41	-74.98	-51.3	2.74	11.63	V
	11346	-38.65	-13	-25.65	-72.62	-46.86	3.03	11.25	V
	13237	-34.68	-13	-21.68	-71.27	-44.45	3.29	13.06	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 25

LTE Band 25 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Low	3702	-44.59	-13	-31.59	-67.48	-55.51	1.64	12.56	H
	5553	-49.99	-13	-36.99	-76.75	-61.2	2.00	13.21	H
	7404	-46.43	-13	-33.43	-76.54	-55.17	2.42	11.15	H
	9255	-41.95	-13	-28.95	-74.61	-50.99	2.71	11.75	H
	11106	-38.34	-13	-25.34	-71.33	-46.36	2.99	11.01	H
	12957	-32.48	-13	-19.48	-69.06	-42.55	3.26	13.33	H
	3702	-48.77	-13	-35.77	-71.02	-59.69	1.64	12.56	V
	5553	-49.24	-13	-36.24	-76.73	-60.45	2.00	13.21	V
	7404	-45.86	-13	-32.86	-76.09	-54.6	2.42	11.15	V
	9255	-41.50	-13	-28.50	-73.97	-50.54	2.71	11.75	V
	11106	-40.69	-13	-27.69	-74.26	-48.71	2.99	11.01	V
	12957	-32.83	-13	-19.83	-68.65	-42.9	3.26	13.33	V



LTE Band 25 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3742	-44.47	-13	-31.47	-67.41	-55.41	1.65	12.59	H
	5613	-49.88	-13	-36.88	-76.76	-61.09	2.01	13.22	H
	7484	-46.05	-13	-33.05	-76.31	-54.64	2.44	11.03	H
	9355	-42.66	-13	-29.66	-75.52	-51.62	2.72	11.69	H
	11226	-39.35	-13	-26.35	-72.49	-47.47	3.01	11.13	H
	13097	-32.25	-13	-19.25	-69.08	-42.18	3.28	13.20	H
	3742	-48.35	-13	-35.35	-70.7	-59.29	1.65	12.59	V
	5613	-49.09	-13	-36.09	-76.51	-60.3	2.01	13.22	V
	7484	-46.43	-13	-33.43	-76.43	-55.02	2.44	11.03	V
	9355	-43.58	-13	-30.58	-76.18	-52.54	2.72	11.69	V
	11226	-40.53	-13	-27.53	-74.3	-48.65	3.01	11.13	V
	13097	-34.45	-13	-21.45	-70.62	-44.38	3.28	13.20	V



LTE Band 25 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
High	3792	-43.80	-13	-30.80	-66.82	-54.78	1.66	12.63	H
	5688	-49.44	-13	-36.44	-76.63	-60.65	2.03	13.24	H
	7584	-44.45	-13	-31.45	-74.9	-52.99	2.46	11.00	H
	9480	-42.35	-13	-29.35	-75.05	-51.22	2.75	11.61	H
	11376	-38.94	-13	-25.94	-72.25	-47.18	3.04	11.28	H
	13272	-32.75	-13	-19.75	-69.89	-42.49	3.29	13.03	H
	3792	-49.45	-13	-36.45	-71.93	-60.43	1.66	12.63	V
	5688	-47.92	-13	-34.92	-75.52	-59.13	2.03	13.24	V
	7584	-45.05	-13	-32.05	-74.66	-53.59	2.46	11.00	V
	9480	-42.87	-13	-29.87	-75.41	-51.74	2.75	11.61	V
	11376	-39.73	-13	-26.73	-73.74	-47.97	3.04	11.28	V
	13272	-35.11	-13	-22.11	-71.81	-44.85	3.29	13.03	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 13

LTE Band 13 / 5MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Low	1559	-60.23	-42.15	-18.08	-73.33	-65.30	1.07	8.29	H
	2339	-56.55	-13	-43.55	-74.38	-63.41	1.30	10.31	H
	3118	-55.29	-13	-42.29	-75.05	-63.12	1.50	11.48	H
	1559	-61.03	-42.15	-18.88	-73.39	-66.10	1.07	8.29	V
	2339	-57.06	-13	-44.06	-74.64	-63.92	1.30	10.31	V
	3118	-55.46	-13	-42.46	-74.95	-63.29	1.50	11.48	V



LTE Band 13 / 5MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1564	-60.19	-42.15	-18.04	-73.26	-65.28	1.07	8.30	H
	2346	-56.78	-13	-43.78	-74.57	-63.65	1.30	10.32	H
	3128	-54.54	-13	-41.54	-74.35	-62.39	1.51	11.51	H
	1564	-60.80	-42.15	-18.65	-73.13	-65.89	1.07	8.30	V
	2346	-56.86	-13	-43.86	-74.39	-63.73	1.30	10.32	V
	3128	-55.46	-13	-42.46	-74.99	-63.31	1.51	11.51	V



LTE Band 13 / 5MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
High	1569	-60.36	-42.15	-18.21	-73.40	-65.46	1.07	8.32	H
	2354	-57.30	-13	-44.30	-75.05	-64.18	1.31	10.34	H
	3138	-55.07	-13	-42.07	-74.92	-62.94	1.51	11.53	H
	1569	-60.90	-42.15	-18.75	-73.21	-66.00	1.07	8.32	V
	2354	-57.25	-13	-44.25	-74.73	-64.13	1.31	10.34	V
	3138	-55.24	-13	-42.24	-74.81	-63.11	1.51	11.53	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 13 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1564	-60.18	-42.15	-18.03	-73.25	-65.27	1.07	8.30	H
	2346	-56.35	-13	-43.35	-74.14	-63.22	1.30	10.32	H
	3128	-54.77	-13	-41.77	-74.58	-62.62	1.51	11.51	H
	1564	-61.17	-42.15	-19.02	-73.50	-66.26	1.07	8.30	V
	2346	-56.88	-13	-43.88	-74.41	-63.75	1.30	10.32	V
	3128	-55.48	-13	-42.48	-75.01	-63.33	1.51	11.51	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 12

LTE Band 12 / 10MHz / QPSK										
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	
Low	1417	-49.64	-13.00	-36.64	-63.44	-54.17	1.02	7.70	H	
	2126	-38.31	-13.00	-25.31	-55.66	-44.85	1.24	9.93	H	
	2834	-55.92	-13.00	-42.92	-74.39	-63.34	1.43	11.00	H	
	3543	-54.11	-13.00	-41.11	-75.34	-62.78	1.62	12.43	H	
	1417	-51.86	-13.00	-38.86	-64.92	-56.39	1.02	7.70	V	
	2126	-40.11	-13.00	-27.11	-57.22	-46.65	1.24	9.93	V	
	2834	-56.22	-13.00	-43.22	-74.34	-63.64	1.43	11.00	V	
	3543	-54.90	-13.00	-41.90	-75.69	-63.57	1.62	12.43	V	



LTE Band 12 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1424	-50.10	-13.00	-37.10	-63.87	-54.66	1.02	7.74	H
	2136	-39.60	-13.00	-26.60	-57.13	-46.15	1.24	9.94	H
	2848	-55.84	-13.00	-42.84	-74.37	-63.27	1.43	11.02	H
	3560	-54.04	-13.00	-41.04	-75.54	-62.72	1.62	12.45	H
	1424	-50.66	-13.00	-37.66	-63.69	-55.22	1.02	7.74	V
	2136	-41.89	-13.00	-28.89	-59.20	-48.44	1.24	9.94	V
	2848	-56.40	-13.00	-43.40	-74.59	-63.83	1.43	11.02	V
	3560	-54.58	-13.00	-41.58	-75.55	-63.26	1.62	12.45	V



LTE Band 12 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
High	1431	-54.51	-13.00	-41.51	-68.26	-59.10	1.03	7.77	H
	2146	-38.42	-13.00	-25.42	-56.14	-44.99	1.24	9.96	H
	2862	-56.54	-13.00	-43.54	-75.13	-63.99	1.44	11.03	H
	3578	-53.87	-13.00	-40.87	-75.64	-62.56	1.62	12.46	H
	1431	-54.50	-13.00	-41.50	-67.51	-59.09	1.03	7.77	V
	2146	-41.85	-13.00	-28.85	-59.36	-48.42	1.24	9.96	V
	2862	-56.76	-13.00	-43.76	-75.02	-64.21	1.44	11.03	V
	3578	-54.49	-13.00	-41.49	-75.63	-63.18	1.62	12.46	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 17

LTE Band 17 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Low	1426	-51.44	-13.00	-38.44	-65.21	-56.01	1.02	7.74	H
	2141	-35.69	-13.00	-22.69	-53.31	-42.25	1.24	9.95	H
	2854	-56.68	-13.00	-43.68	-75.24	-64.12	1.43	11.02	H
	1426	-53.25	-13.00	-40.25	-66.28	-57.82	1.02	7.74	V
	2141	-39.88	-13.00	-26.88	-57.29	-46.44	1.24	9.95	V
	2854	-56.56	-13.00	-43.56	-74.78	-64.00	1.43	11.02	V



LTE Band 17 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1429	-52.77	-13.00	-39.77	-66.53	-57.35	1.02	7.76	H
	2143	-35.75	-13.00	-22.75	-53.41	-42.31	1.24	9.96	H
	2858	-56.05	-13.00	-43.05	-74.62	-63.49	1.44	11.03	H
	1429	-53.31	-13.00	-40.31	-66.33	-57.89	1.02	7.76	V
	2143	-38.76	-13.00	-25.76	-56.21	-45.32	1.24	9.96	V
	2858	-56.64	-13.00	-43.64	-74.88	-64.08	1.44	11.03	V



LTE Band 17 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
High	1434	-52.55	-13.00	-39.55	-66.29	-57.16	1.03	7.78	H
	2145	-34.86	-13.00	-21.86	-52.55	-41.43	1.24	9.96	H
	2862	-56.27	-13.00	-43.27	-74.86	-63.72	1.44	11.03	H
	1434	-53.74	-13.00	-40.74	-66.74	-58.35	1.03	7.78	V
	2145	-39.64	-13.00	-26.64	-57.13	-46.21	1.24	9.96	V
	2862	-56.49	-13.00	-43.49	-74.75	-63.94	1.44	11.03	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 4

LTE Band 4 / 20MHz / QPSK										
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	
Low	3458	-50.52	-13	-37.52	-71.19	-61.22	1.60	12.30	H	
	5190	-50.33	-13	-37.33	-76.25	-61.09	2.06	12.83	H	
	6915	-44.63	-13	-31.63	-73.87	-54.21	2.31	11.89	H	
	8648	-43.35	-13	-30.35	-74.76	-52.63	2.62	11.90	H	
	10376	-39.25	-13	-26.25	-71.44	-47.53	2.82	11.10	H	
	12104	-38.77	-13	-25.77	-74.06	-48.46	3.12	12.81	H	
	13832	-35.98	-13	-22.98	-72.91	-45.08	3.30	12.40	H	
	3458	-52.32	-13	-39.32	-73.3	-63.02	1.60	12.30	V	
	5190	-49.21	-13	-36.21	-75.96	-59.97	2.06	12.83	V	
	6915	-45.73	-13	-32.73	-75.34	-55.31	2.31	11.89	V	
	8648	-42.09	-13	-29.09	-73.71	-51.37	2.62	11.90	V	
	10376	-41.79	-13	-28.79	-74.12	-50.07	2.82	11.10	V	
	12104	-38.57	-13	-25.57	-74.21	-48.26	3.12	12.81	V	
13832	-36.97	-13	-23.97	-74.06	-46.07	3.30	12.40	V		



LTE Band 4 / 20MHz / QPSK										
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	
Middle	3480	-47.20	-13	-34.20	-68.16	-57.95	1.60	12.35	H	
	5220	-50.62	-13	-37.62	-76.67	-61.43	2.06	12.86	H	
	6968	-43.66	-13	-30.66	-73.13	-53.18	2.31	11.83	H	
	8708	-44.16	-13	-31.16	-75.66	-53.43	2.63	11.90	H	
	10448	-41.84	-13	-28.84	-73.95	-50.07	2.81	11.04	H	
	12192	-37.82	-13	-24.82	-73.2	-47.67	3.13	12.98	H	
	13928	-35.74	-13	-22.74	-72.5	-44.72	3.30	12.29	H	
	3480	-50.14	-13	-37.14	-70.9	-60.89	1.60	12.35	V	
	5220	-50.00	-13	-37.00	-76.86	-60.81	2.06	12.86	V	
	6968	-44.34	-13	-31.34	-74	-53.86	2.31	11.83	V	
	8708	-43.67	-13	-30.67	-75.35	-52.94	2.63	11.90	V	
	10448	-42.50	-13	-29.50	-74.83	-50.73	2.81	11.04	V	
	12192	-37.02	-13	-24.02	-72.58	-46.87	3.13	12.98	V	
	13928	-36.67	-13	-23.67	-73.68	-45.65	3.30	12.29	V	



LTE Band 4 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
High	3510	-49.54	-13	-36.54	-70.91	-60.34	1.61	12.41	H
	5258	-50.30	-13	-37.30	-76.49	-61.16	2.05	12.91	H
	7013	-42.45	-13	-29.45	-72.13	-51.91	2.32	11.78	H
	8768	-42.94	-13	-29.94	-74.53	-52.20	2.64	11.90	H
	10520	-40.80	-13	-27.80	-72.9	-48.98	2.82	11.00	H
	12280	-38.00	-13	-25.00	-73.46	-48.02	3.14	13.16	H
	3510	-51.54	-13	-38.54	-72.66	-62.34	1.61	12.41	V
	5258	-49.15	-13	-36.15	-76.09	-60.01	2.05	12.91	V
	7013	-44.55	-13	-31.55	-74.28	-54.01	2.32	11.78	V
	8768	-41.91	-13	-28.91	-73.66	-51.17	2.64	11.90	V
	10520	-41.40	-13	-28.40	-73.78	-49.58	2.82	11.00	V
	12280	-37.59	-13	-24.59	-73.06	-47.61	3.14	13.16	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 66

LTE Band 66 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Low	3420	-49.70	-13	-36.70	-69.91	-60.32	1.59	12.21	H
	5130	-50.90	-13	-37.90	-76.36	-61.58	2.08	12.76	H
	6848	-44.94	-13	-31.94	-73.89	-54.60	2.30	11.95	H
	8558	-43.93	-13	-30.93	-74.82	-53.22	2.62	11.90	H
	10264	-41.24	-13	-28.24	-73.56	-49.60	2.82	11.19	H
	11976	-38.80	-13	-25.80	-73.91	-48.23	3.11	12.54	H
	3420	-52.11	-13	-39.11	-72.12	-62.73	1.59	12.21	V
	5130	-50.45	-13	-37.45	-76.71	-61.13	2.08	12.76	V
	6848	-45.34	-13	-32.34	-74.89	-55.00	2.30	11.95	V
	8558	-42.02	-13	-29.02	-73.41	-51.30	2.62	11.90	V
	10264	-42.66	-13	-29.66	-74.99	-51.02	2.82	11.19	V
	11976	-37.73	-13	-24.73	-73.41	-47.16	3.11	12.54	V



LTE Band 66 / 20MHz / QPSK										
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	
Middle	3472	-48.34	-13	-35.34	-69.2	-59.07	1.60	12.33	H	
	5205	-50.51	-13	-37.51	-76.52	-61.30	2.06	12.85	H	
	6945	-45.23	-13	-32.23	-74.6	-54.77	2.31	11.86	H	
	8678	-43.20	-13	-30.20	-74.66	-52.47	2.63	11.90	H	
	10416	-40.43	-13	-27.43	-72.58	-48.68	2.82	11.07	H	
	12152	-37.29	-13	-24.29	-72.63	-47.07	3.13	12.90	H	
	13888	-34.59	-13	-21.59	-71.43	-43.62	3.30	12.33	H	
	3472	-50.74	-13	-37.74	-71.4	-61.47	1.60	12.33	V	
	5205	-49.84	-13	-36.84	-76.68	-60.63	2.06	12.85	V	
	6945	-44.76	-13	-31.76	-74.4	-54.30	2.31	11.86	V	
	8678	-43.13	-13	-30.13	-74.78	-52.40	2.63	11.90	V	
	10416	-42.28	-13	-29.28	-74.61	-50.53	2.82	11.07	V	
	12152	-36.49	-13	-23.49	-72.08	-46.27	3.13	12.90	V	
	13888	-36.75	-13	-23.75	-73.8	-45.78	3.30	12.33	V	



LTE Band 66 / 20MHz / QPSK										
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	
High	3525	-51.77	-13	-38.77	-73.37	-62.58	1.61	12.42	H	
	5280	-50.22	-13	-37.22	-76.5	-61.11	2.04	12.94	H	
	7043	-44.81	-13	-31.81	-74.67	-54.21	2.33	11.73	H	
	8805	-43.12	-13	-30.12	-74.77	-52.38	2.64	11.90	H	
	10568	-40.47	-13	-27.47	-72.64	-48.62	2.83	10.99	H	
	12328	-38.37	-13	-25.37	-73.88	-48.48	3.14	13.26	H	
	3525	-52.96	-13	-39.96	-74.22	-63.77	1.61	12.42	V	
	5280	-48.89	-13	-35.89	-75.87	-59.78	2.04	12.94	V	
	7043	-46.06	-13	-33.06	-75.89	-55.46	2.33	11.73	V	
	8805	-42.60	-13	-29.60	-74.39	-51.86	2.64	11.90	V	
	10568	-41.55	-13	-28.55	-74.03	-49.70	2.83	10.99	V	
	12328	-37.86	-13	-24.86	-73.2	-47.97	3.14	13.26	V	

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.