

Variant FCC RF Test Report

APPLICANT : ZTE CORPORATION
EQUIPMENT : WCDMA/CDMA/LTE Multi-Mode Digital Mobile Phone
BRAND NAME : ZTE
MODEL NAME : ZTE A2017U
FCC ID : SRQ-ZTEA2017U
STANDARD : 47 CFR Part 2, 22(H), 24(E), 27(L), 27(M), 27(H), 27(F)
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)

This is a variant report which is only valid together with the original test report. The product was received on Jun. 14, 2016 and completely tested on Aug. 13, 2016. We, SPORTON INTERNATIONAL (KUNSHAN) INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA / EIA-603-D-2010 and the testing has shown the tested sample to be in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL (KUNSHAN) INC., the test report shall not be reproduced except in full.



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG631604-01B	Rev. 01	This is a variant report for ZTE A2017U. The product equality declaration could be referred to Appendix D. Based on the similarity between two models, only the conducted power and worst case of Spurious Emission from original test report (Sporton Report Number FG631604B) were verified for the differences.	Sep. 01, 2016

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	Reporting Only	PASS	-
4.4	§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)	$< 43 + 10\log_{10}(P[\text{Watts}])$	PASS	Under limit 16.83 dB at 5178.000 MHz
	§2.1053 §27.53(m)(4)	Radiated Spurious Emission (Band 7)(Band 41)	$< 55 + 10\log_{10}(P[\text{Watts}])$		



1 General Description

1.1 Applicant

ZTE CORPORATION

ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong, 518057,
P. R. China

1.2 Manufacturer

ZTE CORPORATION

ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong, 518057,
P. R. China

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	WCDMA/CDMA/LTE Multi-Mode Digital Mobile Phone
Brand Name	ZTE
Model Name	ZTE A2017U
FCC ID	SRQ-ZTEA2017U
EUT supports Radios application	CDMA/EV-DO/GSM/GPRS/EGPRS/WCDMA/HSPA/HSPA+(16QAM uplink is not supported)/DC-HSDPA/LTE/NFC WLAN2.4GHz 802.11b/g/n HT20/HT40 WLAN5GHz 802.11a/n HT20/HT40 WLAN5GHz 802.11ac VHT20/VHT40/VHT80 Bluetooth v3.0+EDR Bluetooth v4.1 LE Bluetooth v4.2 LE
IMEI Code	Conducted: 990006780015052 Radiation: 861712030025603/990006780050950
HW Version	wwdB
SW Version	A2017UV1.0.0B07
EUT Stage	Production Unit

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	LTE Band 2 : 1850.7 MHz ~ 1909.3 MHz LTE Band 4 : 1710.7 MHz ~ 1754.3 MHz LTE Band 5 : 824.7 MHz ~ 848.3 MHz LTE Band 7 : 2502.5 MHz ~ 2567.5 MHz LTE Band 12 : 699.7 MHz ~ 715.3 MHz LTE Band 13 : 779.5 MHz ~ 784.5 MHz LTE Band 17 : 706.5 MHz ~ 713.5 MHz LTE Band 25 : 1850.7MHz ~ 1914.3 MHz LTE Band 26 : 824.7 MHz ~ 848.3 MHz LTE Band 41 : 2498.5 MHz ~ 2687.5 MHz
Rx Frequency	LTE Band 2 : 1930.7 MHz ~ 1989.3 MHz LTE Band 4 : 2110.7 MHz ~ 2154.3 MHz LTE Band 5 : 869.7 MHz ~ 893.3 MHz LTE Band 7 : 2622.5MHz ~ 2687.5 MHz LTE Band 12 : 729.7 MHz ~ 745.3 MHz LTE Band 13 : 748.5 MHz ~ 753.5 MHz LTE Band 17 : 736.5 MHz ~ 743.5 MHz LTE Band 25 : 1930.7MHz ~ 1994.3 MHz LTE Band 26 : 869.7 MHz ~ 893.3 MHz LTE Band 41 : 2498.5 MHz ~ 2687.5 MHz
Bandwidth	LTE Band 2 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 4 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 5 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 7 : 5MHz / 10MHz / 15MHz / 20MHz LTE Band 12 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 13 : 5MHz / 10MHz LTE Band 17 : 5MHz / 10MHz LTE Band 25 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 26 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz LTE Band 41 : 5MHz / 10MHz / 15MHz / 20MHz
Maximum Output Power to Top Antenna	LTE Band 2 : 21.08 dBm LTE Band 4 : 19.96 dBm LTE Band 5 : 23.86 dBm LTE Band 13 : 23.82 dBm LTE Band 12 : 23.91 dBm LTE Band 17 : 23.71 dBm LTE Band 25 : 21.18 dBm LTE Band 26 : 23.75 dBm
Maximum Output Power to Bottom Antenna	LTE Band 2 : 23.50 dBm LTE Band 4 : 22.69 dBm LTE Band 5 : 23.86 dBm LTE Band 7 : 24.27 dBm LTE Band 13 : 23.82 dBm LTE Band 12 : 23.91 dBm LTE Band 17 : 23.71 dBm LTE Band 25 : 23.45 dBm LTE Band 26 : 23.75 dBm LTE Band 41 : 22.38 dBm
Type of Modulation	QPSK / 16QAM

1.5 Modification of EUT

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

1.6 Testing Location

Test Site	SPORTON INTERNATIONAL INC.	
Test Site Location	No. 52, Hwa Ya 1 st Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C. TEL: +886-3-327-3456 FAX: +886-3-328-4978	
Test Site No.	Sporton Site No.	FCC Registration No.
	03CH12-HY	TW1098

1.7 Applicable Standards

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

- 47 CFR Part 2, 22(H), 24(E), 27(L), 27(M), 27(H), 27(F)
- ANSI / TIA / EIA-603-D-2010
- FCC KDB 971168 D01 Power Meas. License Digital Systems v02r02

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 v02r02 with maximum output power.

Radiated measurements are performed by rotating the EUT in three different orthogonal test planes to find the maximum emission.

Test Items	Band	Bandwidth (MHz)						Modulation		RB #			Test Channel		
		1.4	3	5	10	15	20	QPS K	16QA M	1	Half	Full	L	M	H
Max. Output Power	2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	5	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓	✓	✓	✓
	7	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	12	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓	✓	✓	✓
	13	-	-	✓		-	-	✓	✓	✓	✓	✓	✓	✓	✓
	13	-	-		✓	-	-	✓	✓	✓	✓	✓		✓	
	17	-	-	✓	✓	-	-	✓	✓	✓	✓	✓	✓	✓	✓
	25	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	26	✓	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	✓
	41	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Radiated Spurious Emission	2	✓	✓	✓	✓	✓	✓	✓		✓				✓	
	4	✓	✓	✓	✓	✓	✓	✓		✓				✓	
	5	✓	✓	✓	✓	-	-	✓		✓				✓	
	7	-	-	✓	✓	✓	✓	✓		✓				✓	
	12	✓	✓	✓	✓	-	-	✓		✓				✓	
	13	-	-	✓	✓	-	-	✓		✓				✓	
	17	-	-	✓	✓	-	-	✓		✓				✓	
	25	✓	✓	✓	✓	✓	✓	✓		✓				✓	
	26	✓	✓	✓	✓	✓	-	✓		✓				✓	
	41	-	-	✓	✓	✓	✓	✓		✓				✓	
Note	1. The mark “✓” means that this configuration is chosen for testing														
	2. The mark “-” means that this bandwidth is not supported.														
	3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated														

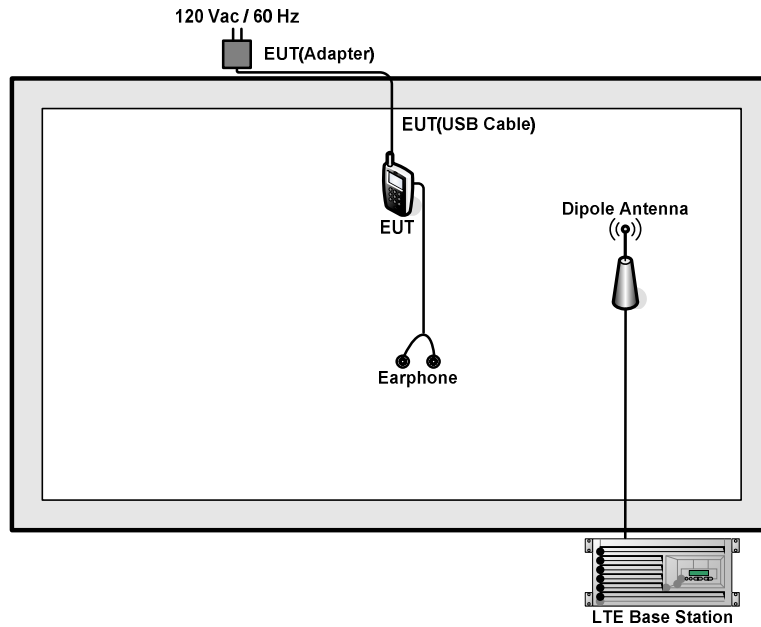


spurious emission test under different RB size/offset and modulations in exploratory test.
Subsequently, only the worst case emissions are reported.

2.2 Connection Diagram of Test System

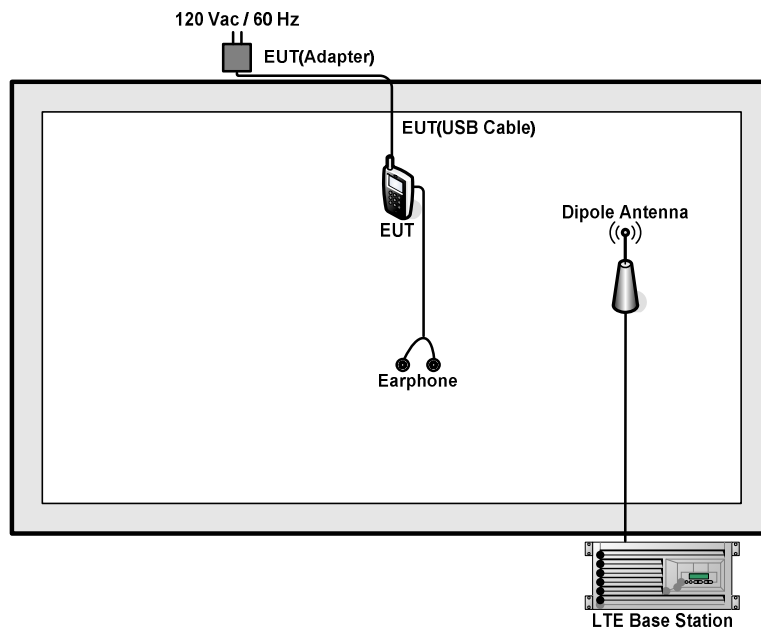
Top Antenna

LTE Band 2 / 4 / 5 / 12 / 13 / 17 / 25 / 26



Bottom Antenna

LTE Band 2 / 4 / 5 / 7 / 12 / 13 / 17 / 25 / 26 / 41



2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	LTE Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	DC Power Supply	GW INSTEK	GPS-3030D	N/A	N/A	Unshielded, 1.8 m
3.	Earphone	Apple	MC690ZP/A	N/A	Shielded, 1.0 m	N/A

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 7 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20850	21100	21350
	Frequency	2510	2535	2560
15	Channel	20825	21100	21375
	Frequency	2507.5	2535	2562.5
10	Channel	20800	21100	21400
	Frequency	2505	2535	2565
5	Channel	20775	21100	21425
	Frequency	2502.5	2535	2567.5

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	836.5	844
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 41 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	39750	40620	41490
	Frequency	2506	2593	2680
15	Channel	39725	40620	41515
	Frequency	2503.5	2593	2682.5
10	Channel	39700	40620	41540
	Frequency	2501	2593	2685
5	Channel	39675	40620	41565
	Frequency	2498.5	2593	2687.5

3 Conducted Test Items

3.1 Measuring Instruments

See list of measuring instruments of this test report.

3.2 Test Setup

3.2.1 Conducted Output Power



3.3 Test Result of Conducted Test

Please refer to Appendix A.

3.4 Conducted Output Power

3.4.1 Description of the Conducted Output Power 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.

3.4.2 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.

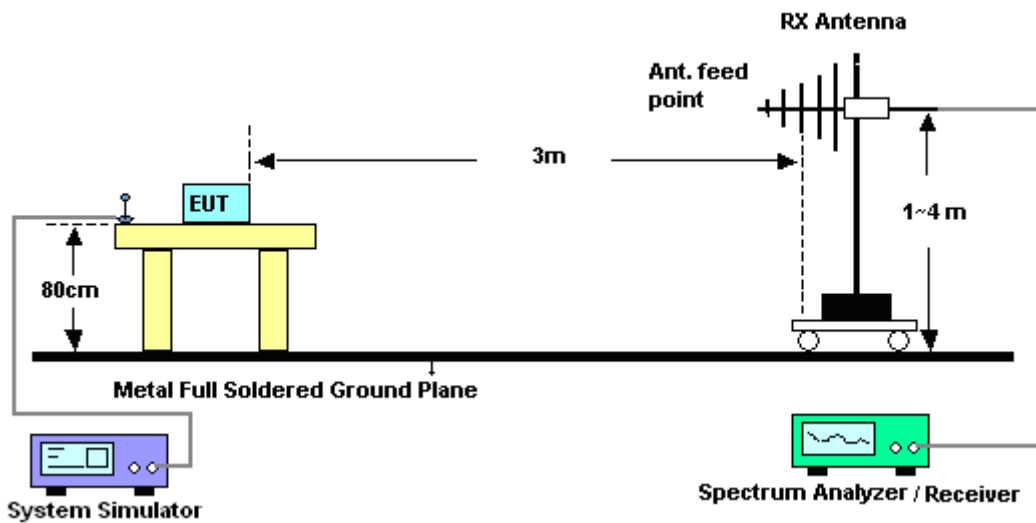
4 Radiated Test Items

4.1 Measuring Instruments

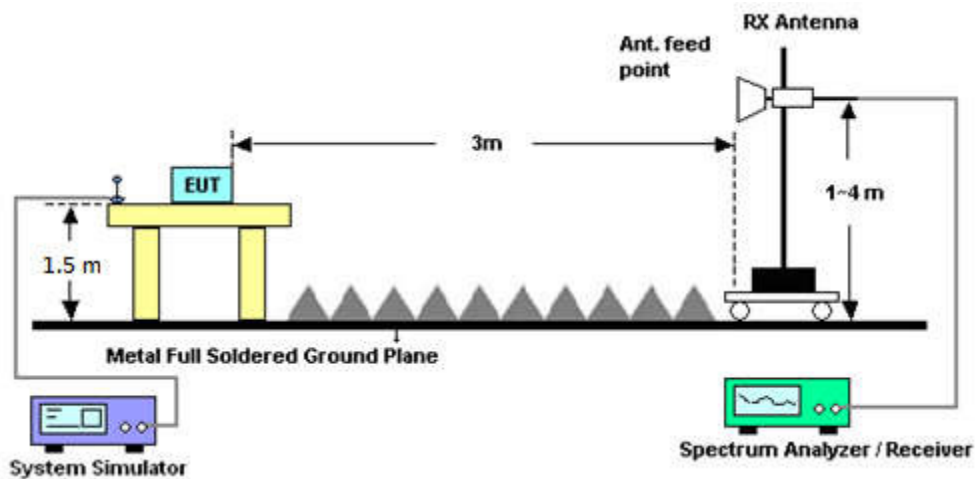
See list of measuring instruments of this test report.

4.2 Test Setup

4.2.1 For radiated test from 30MHz to 1GHz



4.2.2 For radiated test above 1GHz



4.3 Test Result of Radiated Test

Please refer to Appendix B.

4.4 Radiated Spurious Emission

4.4.1 Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI / TIA / EIA-603-D-2010. 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 Band 7, 41

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 $55 + 10 \log (P)$ dB.

For LTE Band 12,13,17

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.

4.4.2 Test Procedures

1. The testing follows FCC KDB 971168 v02r02 Section 5.8 and ANSI / TIA-603-D-2010 Section 2.2.12.
2. 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.
3. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. 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.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
7. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
8. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
9. Taking the record of output power at antenna port.
10. Repeat step 7 to step 8 for another polarization.
11. 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)

$$= P(W) - [43 + 10\log(P)] \text{ (dB)}$$

$$= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$$

$$= -13\text{dBm}.$$

For Band 7, 41:

The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)

$$12. \text{ EIRP (dBm)} = \text{S.G. Power} - \text{Tx Cable Loss} + \text{Tx Antenna Gain}$$

$$13. \text{ ERP (dBm)} = \text{EIRP} - 2.15$$



5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Nov. 20, 2015	Aug. 03, 2016~ Aug. 13, 2016	Nov. 19, 2016	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D	35414	30MHz~1GHz	Nov. 17, 2015	Aug. 03, 2016~ Aug. 13, 2016	Nov. 16, 2016	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1326	1GHz ~ 18GHz	Oct. 08, 2015	Aug. 03, 2016~ Aug. 13, 2016	Oct. 07, 2016	Radiation (03CH12-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200486	10Hz ~ 44GHZ	Sep. 24, 2015	Aug. 03, 2016~ Aug. 13, 2016	Sep. 23, 2016	Radiation (03CH12-HY)
EMI Test Receiver	Rohde & Schwarz	ESU26	100390	20Hz~26.5GHz	Dec. 21, 2015	Aug. 03, 2016~ Aug. 13, 2016	Dec. 20, 2016	Radiation (03CH12-HY)
Hygrometer	TECEPEL	DTM-303B	TP140349	N/A	Nov. 17, 2015	Aug. 03, 2016~ Aug. 13, 2016	Nov. 16, 2016	Radiation (03CH12-HY)
Preamplifier	MITEQ	AMF-7D-00 101800-30-1	1815698	1GHz~18GHz	Dec. 14, 2015	Aug. 03, 2016~ Aug. 13, 2016	Dec. 13, 2016	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24958/4,M Y28653/4,MY9	26GHz~40GHz	Jan. 12, 2016	Aug. 03, 2016~ Aug. 13, 2016	Jan. 11, 2017	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24958/4,M Y28653/4,MY9	1GHz~26GHz	Jan. 12, 2016	Aug. 03, 2016~ Aug. 13, 2016	Jan. 11, 2017	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24958/4,M Y28653/4,MY9	30MHz~1GHz	Jan. 12, 2016	Aug. 03, 2016~ Aug. 13, 2016	Jan. 11, 2017	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24958/4,M Y28653/4,MY9	9K~30MHz	Jan. 12, 2016	Aug. 03, 2016~ Aug. 13, 2016	Jan. 11, 2017	Radiation (03CH12-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	NCR	Aug. 03, 2016~ Aug. 13, 2016	NCR	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-450 0-B	N/A	1m~4m	NCR	Aug. 03, 2016~ Aug. 13, 2016	NCR	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	NCR	Aug. 03, 2016~ Aug. 13, 2016	NCR	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz ~ 40GHz	Apr. 15, 2016	Aug. 03, 2016~ Aug. 13, 2016	Apr. 14, 2017	Radiation (03CH12-HY)
Preamplifier	MITEQ	TTA0204	1872107	2GHz~40GHz	Feb. 15, 2016	Aug. 03, 2016~ Aug. 13, 2016	Feb. 14, 2017	Radiation (03CH12-HY)

NCR: No Calibration Required

6 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	3.4 dB
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Uncertainty of Radiated Emission Measurement (1GHz ~ 18GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	3.7 dB
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Uncertainty of Radiated Emission Measurement (18GHz ~ 40GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	4.0 dB
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Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power)

Top Antenna

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	21.08	21.07	21.06
20	1	49		20.05	20.04	20.08
20	1	99		20.09	20.21	20.29
20	50	0		19.77	19.70	19.59
20	50	24		19.19	19.23	19.28
20	50	50		19.14	19.16	19.28
20	100	0		19.63	19.38	19.43
20	1	0	16-QAM	20.30	20.25	20.21
20	1	49		19.54	19.32	19.32
20	1	99		19.52	19.52	19.56
20	50	0		18.69	18.69	18.55
20	50	24		18.21	18.20	18.22
20	50	50		18.21	18.14	18.25
20	100	0		18.55	18.31	18.36
15	1	0	QPSK	20.60	20.57	20.71
15	1	37		20.23	20.03	20.07
15	1	74		20.23	20.17	20.18
15	36	0		19.52	19.52	19.42
15	36	20		19.25	19.21	19.17
15	36	39		19.18	19.10	19.20
15	75	0		19.37	19.27	19.25
15	1	0	16-QAM	20.00	20.01	20.02
15	1	37		19.51	19.21	19.25
15	1	74		19.54	19.42	19.39
15	36	0		18.53	18.44	18.33
15	36	20		18.21	18.14	18.13
15	36	39		18.25	18.04	18.12
15	75	0		18.58	18.19	18.18



LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	20.43	20.26	20.25
10	1	25		20.14	19.96	20.00
10	1	49		20.11	19.89	19.99
10	25	0		19.47	19.27	19.29
10	25	12		19.30	19.12	19.16
10	25	25		19.20	19.02	19.10
10	50	0		19.32	19.14	19.18
10	1	0	16-QAM	19.91	19.55	19.52
10	1	25		19.42	19.21	19.28
10	1	49		19.40	19.18	19.24
10	25	0		18.41	18.22	18.23
10	25	12		18.28	18.07	18.15
10	25	25		18.16	17.98	18.04
10	50	0		18.29	18.07	18.14
5	1	0	QPSK	20.19	20.14	20.12
5	1	12		20.18	19.97	20.01
5	1	24		20.10	19.91	19.98
5	12	0		19.29	19.06	19.15
5	12	7		19.30	19.07	19.11
5	12	13		19.27	19.01	19.05
5	25	0		19.27	19.03	19.08
5	1	0	16-QAM	19.50	19.39	19.38
5	1	12		19.45	19.25	19.29
5	1	24		19.36	19.16	19.22
5	12	0		18.33	18.05	18.10
5	12	7		18.31	18.07	18.08
5	12	13		18.31	18.01	18.01
5	25	0		18.32	18.04	18.06



LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	20.11	19.93	19.96
3	1	8		20.18	19.96	20.03
3	1	14		20.10	19.88	19.95
3	8	0		19.26	19.05	19.07
3	8	4		19.29	19.09	19.09
3	8	7		19.24	19.02	19.06
3	15	0		19.26	19.05	19.08
3	1	0	16-QAM	19.40	19.27	19.21
3	1	8		19.46	19.23	19.27
3	1	14		19.39	19.15	19.19
3	8	0		18.35	18.09	18.12
3	8	4		18.35	18.11	18.14
3	8	7		18.30	18.05	18.11
3	15	0		18.28	18.07	18.08
1.4	1	0	QPSK	20.04	19.96	19.95
1.4	1	3		20.17	20.02	20.02
1.4	1	5		20.07	19.92	19.95
1.4	3	0		20.13	20.00	20.02
1.4	3	1		20.17	20.04	20.06
1.4	3	3		20.14	20.01	20.02
1.4	6	0		19.20	19.00	19.03
1.4	1	0	16-QAM	19.38	19.22	19.16
1.4	1	3		19.44	19.31	19.23
1.4	1	5		19.35	19.20	19.20
1.4	3	0		19.20	19.01	19.01
1.4	3	1		19.25	19.07	19.03
1.4	3	3		19.19	19.00	19.01
1.4	6	0		18.29	18.02	18.07



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	21.12	21.01	21.18
20	1	49		20.15	20.09	20.26
20	1	99		20.26	20.39	20.39
20	50	0		19.60	19.60	19.70
20	50	24		19.27	19.26	19.44
20	50	50		19.32	19.29	19.42
20	100	0		19.42	19.43	19.61
20	1	0	16-QAM	20.39	20.31	20.35
20	1	49		19.33	19.36	19.49
20	1	99		19.52	19.64	19.68
20	50	0		18.59	18.59	18.69
20	50	24		18.26	18.27	18.42
20	50	50		18.28	18.28	18.33
20	100	0		18.36	18.37	18.55
15	1	0	QPSK	20.85	20.73	20.86
15	1	37		20.26	20.12	20.36
15	1	74		20.29	20.25	20.29
15	36	0		19.52	19.44	19.54
15	36	20		19.27	19.23	19.37
15	36	39		19.23	19.18	19.28
15	75	0		19.33	19.33	19.53
15	1	0	16-QAM	20.11	20.03	20.14
15	1	37		19.30	19.35	19.44
15	1	74		19.48	19.49	19.56
15	36	0		18.49	18.40	18.48
15	36	20		18.23	18.22	18.34
15	36	39		18.16	18.19	18.19
15	75	0		18.29	18.28	18.45



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	20.45	20.45	20.67
10	1	25		20.10	20.19	20.36
10	1	49		20.12	20.18	20.23
10	25	0		19.36	19.42	19.49
10	25	12		19.24	19.28	19.48
10	25	25		19.20	19.24	19.33
10	50	0		19.24	19.33	19.50
10	1	0	16-QAM	19.73	19.72	19.93
10	1	25		19.30	19.43	19.64
10	1	49		19.34	19.45	19.55
10	25	0		18.29	18.39	18.44
10	25	12		18.22	18.33	18.40
10	25	25		18.14	18.25	18.28
10	50	0		18.25	18.33	18.43
5	1	0	QPSK	20.30	20.28	20.34
5	1	12		20.10	20.16	20.23
5	1	24		20.02	20.13	20.20
5	12	0		19.28	19.32	19.38
5	12	7		19.21	19.29	19.27
5	12	13		19.18	19.28	19.23
5	25	0		19.16	19.23	19.25
5	1	0	16-QAM	19.56	19.52	19.56
5	1	12		19.39	19.45	19.58
5	1	24		19.23	19.38	19.49
5	12	0		18.27	18.39	18.36
5	12	7		18.23	18.34	18.24
5	12	13		18.20	18.32	18.22
5	25	0		18.17	18.27	18.24



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	20.18	20.21	20.25
3	1	8		20.13	20.14	20.23
3	1	14		20.10	20.11	20.16
3	8	0		19.20	19.22	19.34
3	8	4		19.15	19.25	19.30
3	8	7		19.13	19.21	19.22
3	15	0		19.13	19.23	19.28
3	1	0	16-QAM	19.43	19.46	19.52
3	1	8		19.41	19.41	19.49
3	1	14		19.39	19.35	19.44
3	8	0		18.26	18.30	18.36
3	8	4		18.17	18.35	18.32
3	8	7		18.14	18.29	18.23
3	15	0		18.14	18.28	18.30
1.4	1	0	QPSK	20.15	20.05	20.17
1.4	1	3		20.23	20.16	20.27
1.4	1	5		20.14	20.07	20.16
1.4	3	0		20.22	20.16	20.25
1.4	3	1		20.29	20.21	20.36
1.4	3	3		20.23	20.16	20.30
1.4	6	0		19.13	19.18	19.23
1.4	1	0	16-QAM	19.44	19.35	19.50
1.4	1	3		19.51	19.42	19.60
1.4	1	5		19.40	19.32	19.45
1.4	3	0		19.24	19.21	19.26
1.4	3	1		19.26	19.27	19.37
1.4	3	3		19.23	19.20	19.29
1.4	6	0		18.20	18.28	18.28



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	19.95	19.88	19.94
20	1	49		19.04	18.96	18.95
20	1	99		19.14	19.17	19.10
20	50	0		18.66	18.41	18.43
20	50	24		18.21	18.14	18.09
20	50	50		18.18	18.16	18.11
20	100	0		18.32	18.33	18.29
20	1	0	16-QAM	18.53	18.43	18.21
20	1	49		18.30	18.25	18.21
20	1	99		18.44	18.46	18.33
20	50	0		17.61	17.38	17.40
20	50	24		17.17	17.16	17.13
20	50	50		17.15	17.13	17.11
20	100	0		17.28	17.26	17.25
15	1	0	QPSK	19.96	19.56	19.58
15	1	37		19.20	19.04	18.95
15	1	74		19.12	19.10	19.01
15	36	0		18.59	18.32	18.25
15	36	20		18.30	18.13	18.09
15	36	39		18.11	18.07	18.00
15	75	0		18.30	18.26	18.18
15	1	0	16-QAM	18.73	18.82	18.86
15	1	37		18.34	18.17	18.21
15	1	74		18.43	18.33	18.26
15	36	0		17.52	17.27	17.29
15	36	20		17.27	17.12	17.08
15	36	39		17.06	17.03	16.98
15	75	0		17.30	17.17	17.14



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	19.22	19.21	19.33
10	1	25		18.98	18.98	19.03
10	1	49		18.95	18.94	18.93
10	25	0		18.26	18.24	18.18
10	25	12		18.16	18.14	18.16
10	25	25		18.03	18.02	18.06
10	50	0		18.16	18.15	18.15
10	1	0	16-QAM	18.54	18.55	18.54
10	1	25		18.31	18.26	18.30
10	1	49		18.28	18.20	18.14
10	25	0		17.23	17.22	17.21
10	25	12		17.13	17.13	17.16
10	25	25		17.00	17.01	17.09
10	50	0		17.13	17.11	17.19
5	1	0	QPSK	19.06	19.11	19.03
5	1	12		18.91	18.97	19.01
5	1	24		18.96	18.92	18.95
5	12	0		18.08	18.07	18.10
5	12	7		18.07	18.12	18.11
5	12	13		18.06	18.07	18.10
5	25	0		18.03	18.07	18.08
5	1	0	16-QAM	18.31	18.36	18.27
5	1	12		18.20	18.30	18.31
5	1	24		18.23	18.16	18.24
5	12	0		17.09	17.09	17.14
5	12	7		17.07	17.12	17.14
5	12	13		17.09	17.10	17.15
5	25	0		17.02	17.09	17.11



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	19.01	18.98	19.04
3	1	8		19.03	19.06	19.04
3	1	14		18.95	18.93	18.93
3	8	0		18.07	18.08	18.11
3	8	4		18.06	18.08	18.04
3	8	7		18.00	18.08	18.04
3	15	0		18.02	18.06	18.03
3	1	0	16-QAM	18.24	18.22	18.30
3	1	8		18.29	18.34	18.32
3	1	14		18.26	18.20	18.19
3	8	0		17.13	17.14	17.21
3	8	4		17.13	17.16	17.13
3	8	7		17.06	17.16	17.11
3	15	0		17.08	17.11	17.09
1.4	1	0	QPSK	18.90	18.91	18.92
1.4	1	3		18.99	19.00	18.99
1.4	1	5		18.86	18.90	18.92
1.4	3	0		18.99	19.00	19.00
1.4	3	1		19.02	19.03	19.04
1.4	3	3		19.00	19.02	19.05
1.4	6	0		18.03	18.05	18.02
1.4	1	0	16-QAM	18.20	18.19	18.18
1.4	1	3		18.26	18.25	18.23
1.4	1	5		18.12	18.18	18.23
1.4	3	0		18.05	18.05	18.01
1.4	3	1		18.07	18.10	18.09
1.4	3	3		18.07	18.08	18.06
1.4	6	0		17.12	17.11	17.09



LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.64	23.65	23.64
10	1	25		23.58	23.55	23.60
10	1	49		23.63	23.45	23.40
10	25	0		22.85	22.85	22.83
10	25	12		22.77	22.72	22.78
10	25	25		22.76	22.71	22.74
10	50	0		22.73	22.87	22.73
10	1	0	16-QAM	22.65	22.69	22.58
10	1	25		22.76	22.82	22.52
10	1	49		22.58	22.60	22.28
10	25	0		21.86	21.67	21.84
10	25	12		21.83	21.79	21.84
10	25	25		21.78	21.78	21.79
10	50	0		21.87	21.76	21.77
5	1	0	QPSK	23.79	23.65	23.68
5	1	12		23.74	23.64	23.63
5	1	24		23.71	23.61	23.52
5	12	0		22.76	22.81	22.78
5	12	7		22.88	22.81	22.74
5	12	13		22.89	22.81	22.82
5	25	0		22.86	22.73	22.65
5	1	0	16-QAM	22.73	22.61	22.61
5	1	12		22.81	22.52	22.51
5	1	24		22.71	22.57	22.50
5	12	0		21.77	21.80	21.76
5	12	7		21.84	21.80	21.76
5	12	13		21.65	21.80	21.82
5	25	0		21.90	21.75	21.74



LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	23.69	23.63	23.57
3	1	8		23.86	23.83	23.71
3	1	14		23.55	23.55	23.26
3	8	0		22.71	22.65	22.64
3	8	4		22.86	22.70	22.76
3	8	7		22.92	22.66	22.64
3	15	0		22.80	22.75	22.70
3	1	0	16-QAM	22.77	22.59	22.53
3	1	8		22.69	22.62	22.69
3	1	14		22.58	22.44	22.27
3	8	0		21.98	21.83	21.95
3	8	4		21.85	21.84	21.85
3	8	7		21.97	21.95	21.84
3	15	0		21.79	21.82	21.80
1.4	1	0	QPSK	23.57	23.55	23.39
1.4	1	3		23.75	23.60	23.32
1.4	1	5		23.52	23.61	23.01
1.4	3	0		23.69	23.66	23.31
1.4	3	1		23.75	23.70	23.28
1.4	3	3		23.78	23.77	23.21
1.4	6	0		22.74	22.64	22.59
1.4	1	0	16-QAM	22.62	22.48	22.41
1.4	1	3		22.93	22.55	22.34
1.4	1	5		22.51	22.53	22.06
1.4	3	0		22.80	22.85	22.52
1.4	3	1		22.86	22.89	22.49
1.4	3	3		22.88	22.79	22.42
1.4	6	0		21.65	21.47	21.56



LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.55	23.62	23.54
10	1	25		23.74	23.79	23.77
10	1	49		23.64	23.68	23.67
10	25	0		22.86	22.79	22.78
10	25	12		22.88	22.90	22.84
10	25	25		22.85	22.85	22.83
10	50	0		22.82	22.92	22.81
10	1	0	16-QAM	22.95	23.02	22.94
10	1	25		23.05	23.06	23.04
10	1	49		22.93	22.98	22.93
10	25	0		21.82	21.75	21.73
10	25	12		21.83	21.84	21.76
10	25	25		21.80	21.78	21.75
10	50	0		21.86	21.78	21.75
5	1	0	QPSK	23.65	23.65	23.60
5	1	12		23.79	23.76	23.61
5	1	24		23.74	23.81	23.63
5	12	0		22.84	22.80	22.71
5	12	7		22.91	22.86	22.71
5	12	13		22.83	22.81	22.61
5	25	0		22.86	22.80	22.62
5	1	0	16-QAM	22.99	23.02	22.85
5	1	12		23.09	23.11	22.89
5	1	24		23.00	23.06	22.85
5	12	0		21.83	21.78	21.67
5	12	7		21.86	21.83	21.65
5	12	13		21.79	21.77	21.60
5	25	0		21.84	21.77	21.61



LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	23.65	23.65	23.56
3	1	8		23.89	23.83	23.65
3	1	14		23.76	23.68	23.55
3	8	0		22.86	22.82	22.59
3	8	4		22.84	22.82	22.70
3	8	7		22.89	22.77	22.67
3	15	0		22.82	22.78	22.59
3	1	0	16-QAM	22.99	23.00	22.95
3	1	8		23.14	23.16	23.04
3	1	14		23.00	22.94	22.92
3	8	0		21.88	21.85	21.74
3	8	4		21.90	21.83	21.85
3	8	7		21.94	21.76	21.82
3	15	0		21.82	21.79	21.70
1.4	1	0	QPSK	23.61	23.64	23.60
1.4	1	3		23.74	23.79	23.67
1.4	1	5		23.74	23.69	22.81
1.4	3	0		23.80	23.82	23.65
1.4	3	1		23.81	23.87	23.76
1.4	3	3		23.91	23.84	23.75
1.4	6	0		22.76	22.29	22.68
1.4	1	0	16-QAM	22.91	23.46	22.86
1.4	1	3		23.00	22.95	22.92
1.4	1	5		22.98	22.88	22.79
1.4	3	0		22.78	22.76	22.72
1.4	3	1		23.45	22.81	22.78
1.4	3	3		22.86	22.80	22.78
1.4	6	0		21.72	21.77	21.00



LTE Band 13 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK		23.76	
10	1	25			23.82	
10	1	49			23.61	
10	25	0			22.88	
10	25	12			22.91	
10	25	25			22.89	
10	50	0			22.75	
10	1	0	16-QAM		22.93	
10	1	25			23.07	
10	1	49			22.90	
10	25	0			21.83	
10	25	12			21.82	
10	25	25			21.78	
10	50	0			21.83	
5	1	0	QPSK	23.61	23.62	23.70
5	1	12		23.67	23.65	23.64
5	1	24		23.68	23.72	23.67
5	12	0		22.86	22.84	22.71
5	12	7		22.92	22.95	22.79
5	12	13		22.87	22.91	22.77
5	25	0		22.92	22.83	22.75
5	1	0	16-QAM	22.93	22.90	22.97
5	1	12		23.20	22.93	22.91
5	1	24		23.02	22.96	22.84
5	12	0		21.71	21.89	21.74
5	12	7		21.88	21.83	21.77
5	12	13		21.74	21.96	21.73
5	25	0		21.97	21.92	21.81



LTE Band 17 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.53	23.57	23.58
10	1	25		23.64	23.62	23.60
10	1	49		23.62	23.61	23.58
10	25	0		22.88	22.86	22.77
10	25	12		23.03	22.92	22.93
10	25	25		22.82	22.88	22.82
10	50	0		22.86	22.93	22.83
10	1	0	16-QAM	22.89	22.95	22.83
10	1	25		23.03	23.07	23.00
10	1	49		22.89	22.85	22.79
10	25	0		21.85	21.83	21.79
10	25	12		21.98	21.84	21.85
10	25	25		21.77	21.79	21.89
10	50	0		21.92	21.91	21.76
5	1	0	QPSK	23.59	23.67	23.55
5	1	12		23.66	23.65	23.68
5	1	24		23.71	23.66	23.56
5	12	0		22.89	22.84	22.66
5	12	7		22.92	22.94	22.88
5	12	13		22.91	22.84	22.81
5	25	0		22.82	22.89	22.75
5	1	0	16-QAM	22.86	22.97	22.93
5	1	12		22.93	22.99	23.04
5	1	24		23.03	22.93	22.84
5	12	0		21.93	21.71	21.77
5	12	7		21.87	21.93	21.74
5	12	13		21.88	21.78	21.82
5	25	0		21.75	21.85	21.83



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	23.68	23.62	23.55
15	1	37		23.70	23.66	23.71
15	1	74		23.46	23.43	23.52
15	36	0		22.72	22.67	22.59
15	36	20		22.72	22.64	22.64
15	36	39		22.58	22.58	22.63
15	75	0		22.70	22.65	22.65
15	1	0	16-QAM	22.93	22.82	22.80
15	1	37		22.85	22.81	22.79
15	1	74		22.69	22.63	22.79
15	36	0		21.69	21.63	21.55
15	36	20		21.71	21.64	21.59
15	36	39		21.51	21.56	21.58
15	75	0		21.65	21.60	21.57
10	1	0	QPSK	23.72	23.70	23.59
10	1	25		23.70	23.52	23.62
10	1	49		23.57	23.48	23.49
10	25	0		22.74	22.68	22.63
10	25	12		22.79	22.62	22.73
10	25	25		22.66	22.65	22.66
10	50	0		22.69	22.60	22.72
10	1	0	16-QAM	23.01	22.89	22.85
10	1	25		23.02	22.78	22.87
10	1	49		22.83	22.70	22.82
10	25	0		21.76	21.62	21.61
10	25	12		21.74	21.60	21.68
10	25	25		21.63	21.61	21.62
10	50	0		21.68	21.57	21.68



LTE Band 26 Maximum Average Power [dBm]						
5	1	0	QPSK	23.75	23.56	23.60
5	1	12		23.71	23.50	23.58
5	1	24		23.68	23.53	23.52
5	12	0		22.66	22.56	22.63
5	12	7		22.75	22.55	22.65
5	12	13		22.65	22.58	22.61
5	25	0		22.68	22.49	22.61
5	1	0	16-QAM	22.94	22.79	22.81
5	1	12		23.00	22.80	22.85
5	1	24		22.90	22.71	22.75
5	12	0		21.69	21.55	21.59
5	12	7		21.72	21.53	21.61
5	12	13		21.66	21.61	21.62
5	25	0		21.67	21.48	21.59
3	1	0	QPSK	23.58	23.39	23.51
3	1	8		23.66	23.53	23.61
3	1	14		23.51	23.44	23.45
3	8	0		22.63	22.48	22.55
3	8	4		22.61	22.47	22.58
3	8	7		22.65	22.44	22.53
3	15	0		22.56	22.44	22.56
3	1	0	16-QAM	22.88	22.71	22.77
3	1	8		22.90	22.82	22.88
3	1	14		22.83	22.71	22.69
3	8	0		21.73	21.53	21.62
3	8	4		21.74	21.53	21.66
3	8	7		21.73	21.49	21.59
3	15	0		21.63	21.48	21.58



LTE Band 26 Maximum Average Power [dBm]						
1.4	1	0	QPSK	22.51	23.26	23.40
1.4	1	3		22.51	23.38	23.50
1.4	1	5		23.41	23.27	23.38
1.4	3	0		23.59	23.42	23.53
1.4	3	1		23.63	23.45	23.53
1.4	3	3		23.61	23.43	23.53
1.4	6	0		23.61	22.36	22.42
1.4	1	0	16-QAM	23.61	22.58	22.68
1.4	1	3		23.61	22.63	22.74
1.4	1	5		23.61	22.56	22.65
1.4	3	0		23.61	22.41	22.51
1.4	3	1		23.61	22.46	22.55
1.4	3	3		23.61	22.43	22.53
1.4	6	0		21.60	21.39	21.48



Bottom Antenna

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.54	23.34	23.41
20	1	49		22.94	23.16	22.63
20	1	99		23.02	23.50	23.48
20	50	0		21.74	22.17	22.38
20	50	24		21.68	22.17	22.30
20	50	50		21.81	22.42	22.40
20	100	0		21.35	21.93	21.92
20	1	0	16-QAM	21.55	22.26	22.36
20	1	49		21.91	22.17	21.63
20	1	99		22.32	22.43	21.96
20	50	0		20.93	21.37	21.48
20	50	24		21.02	21.30	21.43
20	50	50		21.06	21.27	21.31
20	100	0		20.86	21.31	21.25
15	1	0	QPSK	22.65	23.36	23.46
15	1	37		22.90	23.20	23.03
15	1	74		23.07	23.42	23.13
15	36	0		21.71	22.42	22.41
15	36	20		21.79	22.49	22.42
15	36	39		21.84	22.40	22.02
15	75	0		21.66	22.15	22.43
15	1	0	16-QAM	22.47	22.44	22.45
15	1	37		21.92	22.14	22.20
15	1	74		22.21	22.42	22.28
15	36	0		21.38	21.50	21.40
15	36	20		21.05	21.41	21.43
15	36	39		20.93	21.29	21.31
15	75	0		20.90	21.49	21.41



LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.41	23.23	22.86
10	1	25		22.73	23.24	23.15
10	1	49		22.85	23.26	22.88
10	25	0		21.58	22.41	22.17
10	25	12		21.82	22.50	22.38
10	25	25		21.74	22.29	22.13
10	50	0		21.75	22.27	22.33
10	1	0	16-QAM	21.51	22.13	21.91
10	1	25		21.64	22.25	22.36
10	1	49		22.21	22.33	22.02
10	25	0		20.83	21.50	21.46
10	25	12		20.91	21.49	21.35
10	25	25		20.95	21.37	21.33
10	50	0		20.82	21.36	21.41
5	1	0	QPSK	22.48	23.18	22.83
5	1	12		22.61	23.21	22.89
5	1	24		22.68	23.31	22.65
5	12	0		21.75	22.36	22.27
5	12	7		21.97	22.39	22.49
5	12	13		21.68	22.39	22.23
5	25	0		21.58	22.27	21.97
5	1	0	16-QAM	21.47	22.16	21.88
5	1	12		21.64	22.31	21.96
5	1	24		21.56	22.25	21.78
5	12	0		20.91	21.44	21.44
5	12	7		21.00	21.45	21.41
5	12	13		20.81	21.41	21.30
5	25	0		20.83	21.37	21.25



LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.84	23.22	23.17
3	1	8		22.95	23.36	23.16
3	1	14		22.91	23.22	22.92
3	8	0		21.65	22.37	22.19
3	8	4		21.59	22.34	22.16
3	8	7		21.76	22.32	21.99
3	15	0		21.63	22.41	21.92
3	1	0	16-QAM	21.24	22.08	22.21
3	1	8		21.41	22.31	22.23
3	1	14		21.44	22.29	21.99
3	8	0		20.99	21.26	21.48
3	8	4		20.96	21.45	21.19
3	8	7		21.05	21.48	21.42
3	15	0		21.25	21.42	21.28
1.4	1	0	QPSK	22.49	23.18	23.11
1.4	1	3		22.56	23.30	23.13
1.4	1	5		22.49	23.16	23.02
1.4	3	0		22.45	23.19	23.13
1.4	3	1		22.51	23.25	23.16
1.4	3	3		22.52	23.36	23.13
1.4	6	0		21.80	22.49	22.02
1.4	1	0	16-QAM	21.72	22.27	22.35
1.4	1	3		21.64	22.38	22.06
1.4	1	5		21.78	22.24	21.91
1.4	3	0		21.58	22.26	21.88
1.4	3	1		21.63	22.21	21.91
1.4	3	3		21.64	22.22	21.88
1.4	6	0		20.83	21.34	21.28



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.08	23.19	23.25
20	1	49		22.05	22.25	22.51
20	1	99		22.41	22.68	22.69
20	50	0		21.56	21.65	21.93
20	50	24		21.39	21.49	21.75
20	50	50		21.45	21.63	21.74
20	100	0		21.58	21.74	21.89
20	1	0	16-QAM	22.47	22.45	22.46
20	1	49		21.39	21.58	21.85
20	1	99		21.77	22.01	22.04
20	50	0		20.72	20.76	20.90
20	50	24		20.37	20.53	20.75
20	50	50		20.47	20.62	20.66
20	100	0		20.46	20.64	20.82
15	1	0	QPSK	23.11	23.39	23.45
15	1	37		22.61	22.63	22.78
15	1	74		22.75	22.99	23.10
15	36	0		21.83	21.99	22.22
15	36	20		21.65	21.81	21.96
15	36	39		21.59	21.84	21.84
15	75	0		21.74	21.88	22.09
15	1	0	16-QAM	22.41	22.48	22.49
15	1	37		21.76	21.89	22.01
15	1	74		21.94	22.17	22.28
15	36	0		20.84	20.99	21.15
15	36	20		20.64	20.79	20.95
15	36	39		20.59	20.81	20.97
15	75	0		20.70	20.84	20.98



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.58	22.73	22.78
10	1	25		22.23	22.41	22.48
10	1	49		22.29	22.54	22.52
10	25	0		21.57	21.74	21.92
10	25	12		21.43	21.61	21.89
10	25	25		21.47	21.63	21.92
10	50	0		21.45	21.64	22.11
10	1	0	16-QAM	21.94	22.06	22.11
10	1	25		21.63	21.76	21.99
10	1	49		21.56	21.86	22.04
10	25	0		20.54	20.76	20.89
10	25	12		20.43	20.61	20.88
10	25	25		20.46	20.67	20.85
10	50	0		20.45	20.68	20.90
5	1	0	QPSK	22.35	22.52	22.70
5	1	12		22.39	22.44	22.55
5	1	24		22.20	22.40	22.73
5	12	0		21.52	21.57	21.90
5	12	7		21.43	21.58	21.89
5	12	13		21.40	21.52	21.77
5	25	0		21.38	21.56	21.61
5	1	0	16-QAM	21.47	21.81	22.03
5	1	12		21.67	21.75	21.87
5	1	24		21.55	21.64	22.04
5	12	0		20.51	20.59	20.85
5	12	7		20.43	20.57	20.91
5	12	13		20.42	20.54	20.76
5	25	0		20.41	20.56	20.77



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.26	22.50	22.58
3	1	8		22.46	22.54	23.06
3	1	14		22.18	22.43	22.83
3	8	0		21.51	21.59	21.83
3	8	4		21.40	21.59	21.78
3	8	7		21.36	21.61	21.69
3	15	0		21.48	21.58	21.74
3	1	0	16-QAM	21.63	21.79	21.91
3	1	8		21.87	21.80	22.08
3	1	14		21.59	21.75	22.28
3	8	0		20.59	20.65	20.94
3	8	4		20.52	20.66	20.92
3	8	7		20.49	20.54	20.82
3	15	0		20.47	20.59	20.80
1.4	1	0	QPSK	22.31	22.41	22.73
1.4	1	3		22.49	22.51	22.73
1.4	1	5		22.11	22.42	22.70
1.4	3	0		22.37	22.51	22.57
1.4	3	1		22.36	22.53	22.90
1.4	3	3		22.42	22.56	22.85
1.4	6	0		21.42	21.52	21.74
1.4	1	0	16-QAM	21.45	21.64	21.80
1.4	1	3		21.60	21.74	22.08
1.4	1	5		21.64	21.62	21.98
1.4	3	0		21.37	21.52	21.96
1.4	3	1		21.66	21.60	21.92
1.4	3	3		21.41	21.60	21.89
1.4	6	0		20.46	20.72	20.83



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.69	22.34	22.38
20	1	49		21.61	21.54	21.59
20	1	99		21.64	21.63	21.55
20	50	0		21.07	20.83	20.86
20	50	24		20.61	20.53	20.61
20	50	50		20.66	20.61	20.65
20	100	0		20.74	20.73	20.73
20	1	0	16-QAM	21.95	21.59	21.65
20	1	49		20.77	20.75	20.68
20	1	99		20.85	20.88	20.82
20	50	0		20.05	19.85	19.88
20	50	24		19.61	19.59	19.58
20	50	50		19.56	19.50	19.53
20	100	0		19.68	19.66	19.74
15	1	0	QPSK	22.40	22.01	22.05
15	1	37		21.65	21.56	21.48
15	1	74		21.61	21.54	21.48
15	36	0		20.99	20.74	20.73
15	36	20		20.71	20.58	20.57
15	36	39		20.51	20.58	20.41
15	75	0		20.77	20.72	20.63
15	1	0	16-QAM	21.67	21.20	21.29
15	1	37		20.84	20.62	20.60
15	1	74		20.88	20.82	20.72
15	36	0		19.95	19.69	19.66
15	36	20		19.69	19.52	19.51
15	36	39		19.52	19.44	19.43
15	75	0		19.70	19.55	19.56



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	21.75	21.64	21.71
10	1	25		21.47	21.42	21.48
10	1	49		21.42	21.47	21.35
10	25	0		20.70	20.70	20.71
10	25	12		20.55	20.53	20.61
10	25	25		20.43	20.38	20.47
10	50	0		20.59	20.54	20.64
10	1	0	16-QAM	21.10	20.92	21.00
10	1	25		20.72	20.66	20.72
10	1	49		20.69	20.67	20.64
10	25	0		19.68	19.64	19.61
10	25	12		19.55	19.55	19.61
10	25	25		19.44	19.41	19.48
10	50	0		19.53	19.55	19.61
5	1	0	QPSK	21.52	21.59	21.47
5	1	12		21.41	21.43	21.44
5	1	24		21.41	21.35	21.39
5	12	0		20.51	20.49	20.52
5	12	7		20.47	20.52	20.54
5	12	13		20.54	20.52	20.54
5	25	0		20.45	20.50	20.52
5	1	0	16-QAM	20.72	20.78	20.71
5	1	12		20.67	20.70	20.73
5	1	24		20.67	20.59	20.62
5	12	0		19.53	19.54	19.54
5	12	7		19.47	19.54	19.56
5	12	13		19.53	19.53	19.54
5	25	0		19.46	19.49	19.54



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	21.43	21.45	21.48
3	1	8		21.52	21.32	21.47
3	1	14		21.38	21.40	21.36
3	8	0		20.48	20.51	20.57
3	8	4		20.47	20.54	21.12
3	8	7		20.41	20.50	20.45
3	15	0		20.44	20.49	20.45
3	1	0	16-QAM	20.74	20.05	20.69
3	1	8		20.70	21.47	20.75
3	1	14		20.65	20.77	20.62
3	8	0		19.54	19.56	19.63
3	8	4		19.54	19.61	19.55
3	8	7		19.46	19.58	19.52
3	15	0		19.49	19.54	19.50
1.4	1	0	QPSK	21.35	21.38	21.36
1.4	1	3		21.40	21.50	21.44
1.4	1	5		21.32	21.40	21.38
1.4	3	0		21.43	21.46	21.05
1.4	3	1		21.46	21.51	21.40
1.4	3	3		21.47	21.53	21.49
1.4	6	0		20.44	20.48	20.45
1.4	1	0	16-QAM	20.55	20.05	20.64
1.4	1	3		20.65	21.41	20.70
1.4	1	5		20.49	20.64	20.65
1.4	3	0		20.42	20.49	20.43
1.4	3	1		20.49	20.55	20.50
1.4	3	3		20.48	20.55	20.49
1.4	6	0		19.51	19.54	19.55



LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.64	23.65	23.64
10	1	25		23.58	23.55	23.60
10	1	49		23.63	23.45	23.40
10	25	0		22.85	22.85	22.83
10	25	12		22.77	22.72	22.78
10	25	25		22.76	22.71	22.74
10	50	0		22.73	22.87	22.73
10	1	0	16-QAM	22.65	22.69	22.58
10	1	25		22.76	22.82	22.52
10	1	49		22.58	22.60	22.28
10	25	0		21.86	21.67	21.84
10	25	12		21.83	21.79	21.84
10	25	25		21.78	21.78	21.79
10	50	0		21.87	21.76	21.77
5	1	0	QPSK	23.79	23.65	23.68
5	1	12		23.74	23.64	23.63
5	1	24		23.71	23.61	23.52
5	12	0		22.76	22.81	22.78
5	12	7		22.88	22.81	22.74
5	12	13		22.89	22.81	22.82
5	25	0		22.86	22.73	22.65
5	1	0	16-QAM	22.73	22.61	22.61
5	1	12		22.81	22.52	22.51
5	1	24		22.71	22.57	22.50
5	12	0		21.77	21.80	21.76
5	12	7		21.84	21.80	21.76
5	12	13		21.65	21.80	21.82
5	25	0		21.90	21.75	21.74



LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	23.69	23.63	23.57
3	1	8		23.86	23.83	23.71
3	1	14		23.55	23.55	23.26
3	8	0		22.71	22.65	22.64
3	8	4		22.86	22.70	22.76
3	8	7		22.92	22.66	22.64
3	15	0		22.80	22.75	22.70
3	1	0	16-QAM	22.77	22.59	22.53
3	1	8		22.69	22.62	22.69
3	1	14		22.58	22.44	22.27
3	8	0		21.98	21.83	21.95
3	8	4		21.85	21.84	21.85
3	8	7		21.97	21.95	21.84
3	15	0		21.79	21.82	21.80
1.4	1	0	QPSK	23.57	23.55	23.39
1.4	1	3		23.75	23.60	23.32
1.4	1	5		23.52	23.61	23.01
1.4	3	0		23.69	23.66	23.31
1.4	3	1		23.75	23.70	23.28
1.4	3	3		23.78	23.77	23.21
1.4	6	0		22.74	22.64	22.59
1.4	1	0	16-QAM	22.62	22.48	22.41
1.4	1	3		22.93	22.55	22.34
1.4	1	5		22.51	22.53	22.06
1.4	3	0		22.80	22.85	22.52
1.4	3	1		22.86	22.89	22.49
1.4	3	3		22.88	22.79	22.42
1.4	6	0		21.65	21.47	21.56



LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	24.02	24.27	24.22
20	1	49		23.69	23.76	23.62
20	1	99		23.86	23.76	23.63
20	50	0		22.88	23.01	22.78
20	50	24		22.79	22.86	22.66
20	50	50		22.78	22.19	22.57
20	100	0		22.72	22.75	22.67
20	1	0	16-QAM	23.01	22.84	22.97
20	1	49		22.68	22.37	22.49
20	1	99		22.79	22.51	22.63
20	50	0		21.84	21.83	21.76
20	50	24		21.39	21.31	21.69
20	50	50		21.73	21.31	21.53
20	100	0		21.12	21.17	21.59
15	1	0	QPSK	23.77	24.05	24.01
15	1	37		23.64	23.85	23.70
15	1	74		23.62	23.69	22.97
15	36	0		22.98	22.72	22.82
15	36	20		22.89	22.14	22.64
15	36	39		22.76	22.70	22.56
15	75	0		22.82	22.58	22.64
15	1	0	16-QAM	22.94	23.06	23.17
15	1	37		22.66	22.81	22.74
15	1	74		22.40	22.70	22.06
15	36	0		21.85	21.65	21.75
15	36	20		21.83	21.31	21.66
15	36	39		21.29	21.85	21.53
15	75	0		21.81	21.17	21.61



LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.61	23.77	23.76
10	1	25		23.64	23.57	23.58
10	1	49		23.90	23.38	23.38
10	25	0		22.81	22.43	22.70
10	25	12		22.83	22.64	22.77
10	25	25		23.23	22.86	22.46
10	50	0		23.03	22.11	22.55
10	1	0	16-QAM	22.99	22.67	22.82
10	1	25		22.91	22.59	22.70
10	1	49		23.36	22.50	22.54
10	25	0		21.58	21.07	21.56
10	25	12		21.67	21.05	21.54
10	25	25		22.09	21.89	21.48
10	50	0		22.08	21.97	21.52
5	1	0	QPSK	23.60	23.70	23.59
5	1	12		23.76	23.59	23.47
5	1	24		23.43	23.43	23.42
5	12	0		22.75	22.49	22.50
5	12	7		22.76	22.50	22.50
5	12	13		22.73	22.00	22.42
5	25	0		22.73	22.40	22.46
5	1	0	16-QAM	22.92	22.52	22.68
5	1	12		22.85	22.71	22.68
5	1	24		22.79	22.43	22.56
5	12	0		21.91	21.41	21.58
5	12	7		21.86	21.84	21.50
5	12	13		21.85	21.47	21.43
5	25	0		21.67	21.40	21.39



LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.55	23.62	23.54
10	1	25		23.74	23.79	23.77
10	1	49		23.64	23.68	23.67
10	25	0		22.86	22.79	22.78
10	25	12		22.88	22.90	22.84
10	25	25		22.85	22.85	22.83
10	50	0		22.82	22.92	22.81
10	1	0	16-QAM	22.95	23.02	22.94
10	1	25		23.05	23.06	23.04
10	1	49		22.93	22.98	22.93
10	25	0		21.82	21.75	21.73
10	25	12		21.83	21.84	21.76
10	25	25		21.80	21.78	21.75
10	50	0		21.86	21.78	21.75
5	1	0	QPSK	23.65	23.65	23.60
5	1	12		23.79	23.76	23.61
5	1	24		23.74	23.81	23.63
5	12	0		22.84	22.80	22.71
5	12	7		22.91	22.86	22.71
5	12	13		22.83	22.81	22.61
5	25	0		22.86	22.80	22.62
5	1	0	16-QAM	22.99	23.02	22.85
5	1	12		23.09	23.11	22.89
5	1	24		23.00	23.06	22.85
5	12	0		21.83	21.78	21.67
5	12	7		21.86	21.83	21.65
5	12	13		21.79	21.77	21.60
5	25	0		21.84	21.77	21.61



LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	23.65	23.65	23.56
3	1	8		23.89	23.83	23.65
3	1	14		23.76	23.68	23.55
3	8	0		22.86	22.82	22.59
3	8	4		22.84	22.82	22.70
3	8	7		22.89	22.77	22.67
3	15	0		22.82	22.78	22.59
3	1	0	16-QAM	22.99	23.00	22.95
3	1	8		23.14	23.16	23.04
3	1	14		23.00	22.94	22.92
3	8	0		21.88	21.85	21.74
3	8	4		21.90	21.83	21.85
3	8	7		21.94	21.76	21.82
3	15	0		21.82	21.79	21.70
1.4	1	0	QPSK	23.61	23.64	23.60
1.4	1	3		23.74	23.79	23.67
1.4	1	5		23.74	23.69	22.81
1.4	3	0		23.80	23.82	23.65
1.4	3	1		23.81	23.87	23.76
1.4	3	3		23.91	23.84	23.75
1.4	6	0		22.76	22.29	22.68
1.4	1	0	16-QAM	22.91	23.46	22.86
1.4	1	3		23.00	22.95	22.92
1.4	1	5		22.98	22.88	22.79
1.4	3	0		22.78	22.76	22.72
1.4	3	1		23.45	22.81	22.78
1.4	3	3		22.86	22.80	22.78
1.4	6	0		21.72	21.77	21.00



LTE Band 13 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK		23.76	
10	1	25			23.82	
10	1	49			23.61	
10	25	0			22.88	
10	25	12			22.91	
10	25	25			22.89	
10	50	0			22.75	
10	1	0	16-QAM		22.93	
10	1	25			23.07	
10	1	49			22.90	
10	25	0			21.83	
10	25	12			21.82	
10	25	25			21.78	
10	50	0			21.83	
5	1	0	QPSK	23.61	23.62	23.70
5	1	12		23.67	23.65	23.64
5	1	24		23.68	23.72	23.67
5	12	0		22.86	22.84	22.71
5	12	7		22.92	22.95	22.79
5	12	13		22.87	22.91	22.77
5	25	0		22.92	22.83	22.75
5	1	0	16-QAM	22.93	22.90	22.97
5	1	12		23.20	22.93	22.91
5	1	24		23.02	22.96	22.84
5	12	0		21.71	21.89	21.74
5	12	7		21.88	21.83	21.77
5	12	13		21.74	21.96	21.73
5	25	0		21.97	21.92	21.81



LTE Band 17 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.53	23.57	23.58
10	1	25		23.64	23.62	23.60
10	1	49		23.62	23.61	23.58
10	25	0		22.88	22.86	22.77
10	25	12		23.03	22.92	22.93
10	25	25		22.82	22.88	22.82
10	50	0		22.86	22.93	22.83
10	1	0	16-QAM	22.89	22.95	22.83
10	1	25		23.03	23.07	23.00
10	1	49		22.89	22.85	22.79
10	25	0		21.85	21.83	21.79
10	25	12		21.98	21.84	21.85
10	25	25		21.77	21.79	21.89
10	50	0		21.92	21.91	21.76
5	1	0	QPSK	23.59	23.67	23.55
5	1	12		23.66	23.65	23.68
5	1	24		23.71	23.66	23.56
5	12	0		22.89	22.84	22.66
5	12	7		22.92	22.94	22.88
5	12	13		22.91	22.84	22.81
5	25	0		22.82	22.89	22.75
5	1	0	16-QAM	22.86	22.97	22.93
5	1	12		22.93	22.99	23.04
5	1	24		23.03	22.93	22.84
5	12	0		21.93	21.71	21.77
5	12	7		21.87	21.93	21.74
5	12	13		21.88	21.78	21.82
5	25	0		21.75	21.85	21.83



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	23.68	23.62	23.55
15	1	37		23.70	23.66	23.71
15	1	74		23.46	23.43	23.52
15	36	0		22.72	22.67	22.59
15	36	20		22.72	22.64	22.64
15	36	39		22.58	22.58	22.63
15	75	0		22.70	22.65	22.65
15	1	0	16-QAM	22.93	22.82	22.80
15	1	37		22.85	22.81	22.79
15	1	74		22.69	22.63	22.79
15	36	0		21.69	21.63	21.55
15	36	20		21.71	21.64	21.59
15	36	39		21.51	21.56	21.58
15	75	0		21.65	21.60	21.57
10	1	0	QPSK	23.72	23.70	23.59
10	1	25		23.70	23.52	23.62
10	1	49		23.57	23.48	23.49
10	25	0		22.74	22.68	22.63
10	25	12		22.79	22.62	22.73
10	25	25		22.66	22.65	22.66
10	50	0		22.69	22.60	22.72
10	1	0	16-QAM	23.01	22.89	22.85
10	1	25		23.02	22.78	22.87
10	1	49		22.83	22.70	22.82
10	25	0		21.76	21.62	21.61
10	25	12		21.74	21.60	21.68
10	25	25		21.63	21.61	21.62
10	50	0		21.68	21.57	21.68



LTE Band 26 Maximum Average Power [dBm]						
5	1	0	QPSK	23.75	23.56	23.60
5	1	12		23.71	23.50	23.58
5	1	24		23.68	23.53	23.52
5	12	0		22.66	22.56	22.63
5	12	7		22.75	22.55	22.65
5	12	13		22.65	22.58	22.61
5	25	0		22.68	22.49	22.61
5	1	0	16-QAM	22.94	22.79	22.81
5	1	12		23.00	22.80	22.85
5	1	24		22.90	22.71	22.75
5	12	0		21.69	21.55	21.59
5	12	7		21.72	21.53	21.61
5	12	13		21.66	21.61	21.62
5	25	0		21.67	21.48	21.59
3	1	0	QPSK	23.58	23.39	23.51
3	1	8		23.66	23.53	23.61
3	1	14		23.51	23.44	23.45
3	8	0		22.63	22.48	22.55
3	8	4		22.61	22.47	22.58
3	8	7		22.65	22.44	22.53
3	15	0		22.56	22.44	22.56
3	1	0	16-QAM	22.88	22.71	22.77
3	1	8		22.90	22.82	22.88
3	1	14		22.83	22.71	22.69
3	8	0		21.73	21.53	21.62
3	8	4		21.74	21.53	21.66
3	8	7		21.73	21.49	21.59
3	15	0		21.63	21.48	21.58



LTE Band 26 Maximum Average Power [dBm]						
1.4	1	0	QPSK	22.51	23.26	23.40
1.4	1	3		22.51	23.38	23.50
1.4	1	5		23.41	23.27	23.38
1.4	3	0		23.59	23.42	23.53
1.4	3	1		23.63	23.45	23.53
1.4	3	3		23.61	23.43	23.53
1.4	6	0		23.61	22.36	22.42
1.4	1	0	16-QAM	23.61	22.58	22.68
1.4	1	3		23.61	22.63	22.74
1.4	1	5		23.61	22.56	22.65
1.4	3	0		23.61	22.41	22.51
1.4	3	1		23.61	22.46	22.55
1.4	3	3		23.61	22.43	22.53
1.4	6	0		21.60	21.39	21.48



LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.27	22.21	22.46
20	1	49		21.67	21.71	21.81
20	1	99		21.75	21.67	21.64
20	50	0		21.21	20.95	21.29
20	50	24		20.95	20.85	21.25
20	50	50		20.74	20.81	21.08
20	100	0		21.05	20.84	21.27
20	1	0	16-QAM	21.54	21.39	21.60
20	1	49		20.80	20.70	21.02
20	1	99		20.88	20.86	20.89
20	50	0		20.23	20.03	20.33
20	50	24		20.02	19.93	20.24
20	50	50		19.86	19.87	20.15
20	100	0		20.05	19.85	20.27
15	1	0	QPSK	22.11	22.08	22.38
15	1	37		21.80	21.73	21.87
15	1	74		21.74	21.61	22.02
15	36	0		21.17	20.86	21.24
15	36	20		20.98	20.87	21.13
15	36	39		20.91	20.74	21.10
15	75	0		20.97	20.78	21.15
15	1	0	16-QAM	21.37	21.19	21.50
15	1	37		20.83	20.66	20.96
15	1	74		20.82	20.76	21.00
15	36	0		20.04	19.90	20.18
15	36	20		19.94	19.84	20.18
15	36	39		19.90	19.75	20.15
15	75	0		19.89	19.83	20.18



LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	21.80	21.75	22.12
10	1	25		21.70	21.49	21.96
10	1	49		21.63	21.48	21.80
10	25	0		20.98	20.76	21.00
10	25	12		20.98	20.82	21.06
10	25	25		20.88	20.64	21.00
10	50	0		20.90	20.83	21.08
10	1	0	16-QAM	21.01	20.88	21.15
10	1	25		20.81	20.65	21.00
10	1	49		20.69	20.56	20.82
10	25	0		19.94	19.82	20.19
10	25	12		19.96	19.78	20.15
10	25	25		19.83	19.69	20.06
10	50	0		19.87	19.85	20.10
5	1	0	QPSK	21.71	21.62	22.00
5	1	12		21.74	21.68	21.98
5	1	24		21.67	21.31	21.79
5	12	0		20.86	20.74	21.07
5	12	7		20.95	20.79	21.14
5	12	13		20.81	20.66	21.00
5	25	0		20.82	20.75	21.01
5	1	0	16-QAM	20.85	20.75	20.98
5	1	12		20.76	20.75	20.83
5	1	24		20.78	20.50	20.90
5	12	0		19.81	19.75	19.99
5	12	7		19.76	19.79	20.09
5	12	13		19.70	19.65	19.95
5	25	0		19.83	19.77	20.08

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

<Top Antenna>

LTE Band 2 / 1.4MHz / QPSK / RB Size 1 Offset 0									
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	3759	-67.85	-13	-54.85	-61.72	-74.48	1.69	8.31	H
	5639	-62.66	-13	-49.66	-63.47	-69.71	2.71	9.76	H
	7517	-58.69	-13	-45.69	-61.92	-68.08	2.42	11.81	H
	3759	-68.06	-13	-55.06	-61.71	-74.69	1.69	8.31	V
	5639	-63.68	-13	-50.68	-64.43	-70.73	2.71	9.76	V
	7517	-58.31	-13	-45.31	-64.83	-67.70	2.42	11.81	V

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

LTE Band 2 / 3MHz / QPSK / RB Size 1 Offset 0									
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	3757	-68.16	-13	-55.16	-62.03	-74.78	1.68	8.31	H
	5636	-63.93	-13	-50.93	-64.74	-70.98	2.70	9.75	H
	7515	-58.67	-13	-45.67	-64.9	-68.05	2.42	11.81	H
	3757	-67.92	-13	-54.92	-61.57	-74.54	1.68	8.31	V
	5636	-64.05	-13	-51.05	-64.8	-71.10	2.70	9.75	V
	7515	-57.61	-13	-44.61	-64.13	-66.99	2.42	11.81	V

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

LTE Band 2 / 5MHz / QPSK / RB Size 1 Offset 0									
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	3756	-67.88	-13	-54.88	-61.78	-74.50	1.68	8.31	H
	5633	-62.81	-13	-49.81	-63.62	-69.86	2.70	9.75	H
	7511	-58.59	-13	-45.59	-64.82	-67.97	2.43	11.81	H
	3756	-67.75	-13	-54.75	-61.4	-74.37	1.68	8.31	V
	5633	-63.98	-13	-50.98	-64.73	-71.03	2.70	9.75	V
	7511	-57.99	-13	-44.99	-64.51	-67.37	2.43	11.81	V

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



LTE Band 2 / 10MHz / QPSK / RB Size 1 Offset 0									
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	3751	-68.21	-13	-55.21	-62.08	-74.83	1.68	8.30	H
	5627	-63.20	-13	-50.20	-63.96	-70.25	2.70	9.75	H
	7502	-58.87	-13	-45.87	-65.07	-68.24	2.43	11.80	H
	3751	-68.46	-13	-55.46	-62.11	-75.08	1.68	8.30	V
	5627	-63.61	-13	-50.61	-64.32	-70.66	2.70	9.75	V
	7502	-58.38	-13	-45.38	-64.88	-67.75	2.43	11.80	V

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

LTE Band 2 / 15MHz / QPSK / RB Size 1 Offset 0									
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	3749	-67.87	-13	-54.87	-61.74	-74.49	1.68	8.30	H
	5620	-63.64	-13	-50.64	-64.4	-70.69	2.69	9.75	H
	7494	-58.14	-13	-45.14	-64.34	-67.50	2.43	11.79	H
	3749	-68.51	-13	-55.51	-62.16	-75.13	1.68	8.30	V
	5620	-63.64	-13	-50.64	-64.35	-70.69	2.69	9.75	V
	7494	-58.60	-13	-45.60	-65.1	-67.96	2.43	11.79	V

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

LTE Band 2 / 20MHz / QPSK / RB Size 1 Offset 0									
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	-68.48	-13	-55.48	-62.34	-75.09	1.68	8.29	H
	5613	-63.76	-13	-50.76	-64.47	-70.82	2.69	9.75	H
	7487	-58.83	-13	-45.83	-65.03	-68.17	2.43	11.77	H
	3742	-68.80	-13	-55.80	-62.42	-75.41	1.68	8.29	V
	5613	-63.65	-13	-50.65	-64.31	-70.71	2.69	9.75	V
	7487	-58.76	-13	-45.76	-65.26	-68.10	2.43	11.77	V

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



LTE Band 4 / 1.4MHz / QPSK / RB Size 1 Offset 0									
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	3462	-68.54	-13	-55.54	-62.03	-74.78	1.59	7.83	H
	5198	-62.10	-13	-49.10	-61.78	-69.35	2.45	9.70	H
	6927	-60.19	-13	-47.19	-64.85	-68.29	2.61	10.71	H
	3462	-67.67	-13	-54.67	-60.87	-73.91	1.59	7.83	V
	5198	-64.28	-13	-51.28	-63.81	-71.53	2.45	9.70	V
	6927	-59.86	-13	-46.86	-64.8	-67.96	2.61	10.71	V

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

LTE Band 4 / 3MHz / QPSK / RB Size 1 Offset 0									
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	3462	-68.95	-13	-55.95	-62.44	-75.19	1.59	7.83	H
	5191	-62.44	-13	-49.44	-62.12	-69.69	2.45	9.70	H
	6927	-60.17	-13	-47.17	-64.83	-68.27	2.61	10.71	H
	3462	-66.98	-13	-53.98	-60.18	-73.22	1.59	7.83	V
	5191	-63.91	-13	-50.91	-63.44	-71.16	2.45	9.70	V
	6927	-59.85	-13	-46.85	-64.79	-67.95	2.61	10.71	V

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

LTE Band 4 / 5MHz / QPSK / RB Size 1 Offset 0									
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	3462	-69.16	-13	-56.16	-62.65	-75.40	1.59	7.83	H
	5191	-63.11	-13	-50.11	-62.79	-70.36	2.45	9.70	H
	6920	-60.13	-13	-47.13	-64.72	-68.22	2.62	10.70	H
	3462	-67.65	-13	-54.65	-60.85	-73.89	1.59	7.83	V
	5191	-63.85	-13	-50.85	-63.38	-71.10	2.45	9.70	V
	6920	-59.72	-13	-46.72	-64.58	-67.81	2.62	10.70	V

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



LTE Band 4 / 10MHz / QPSK / RB Size 1 Offset 0									
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	3455	-68.70	-13	-55.70	-62.16	-74.91	1.59	7.80	H
	5184	-62.07	-13	-49.07	-61.71	-69.33	2.44	9.70	H
	6912	-60.01	-13	-47.01	-64.6	-68.09	2.62	10.69	H
	3455	-65.92	-13	-52.92	-59.09	-72.13	1.59	7.80	V
	5184	-63.46	-13	-50.46	-62.95	-70.72	2.44	9.70	V
	6913	-59.32	-13	-46.32	-64.18	-67.40	2.62	10.70	V

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

LTE Band 4 / 15MHz / QPSK / RB Size 1 Offset 0									
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	3448	-68.64	-13	-55.64	-62.1	-74.82	1.59	7.77	H
	5177	-62.43	-13	-49.43	-62.07	-69.69	2.44	9.70	H
	6903	-60.18	-13	-47.18	-64.7	-68.24	2.62	10.68	H
	3448	-67.53	-13	-54.53	-60.7	-73.71	1.59	7.77	V
	5177	-63.31	-13	-50.31	-62.8	-70.57	2.44	9.70	V
	6903	-59.52	-13	-46.52	-64.31	-67.58	2.62	10.68	V

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

LTE Band 4 / 20MHz / QPSK / RB Size 1 Offset 0									
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	3448	-68.73	-13	-55.73	-62.19	-74.91	1.59	7.77	H
	5170	-60.01	-13	-47.01	-59.6	-67.28	2.43	9.70	H
	6892	-59.79	-13	-46.79	-64.31	-67.84	2.63	10.67	H
	3448	-66.23	-13	-53.23	-59.4	-72.41	1.59	7.77	V
	5170	-61.73	-13	-48.73	-61.16	-69.00	2.43	9.70	V
	6892	-59.29	-13	-46.29	-64.08	-67.34	2.63	10.67	V

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



LTE Band 5 / 1.4MHz / QPSK / RB Size 1 Offset 0									
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	1672	-67.99	-13	-54.99	-54.93	-69.67	0.99	4.82	H
	2507	-55.30	-13	-42.30	-46.14	-57.26	1.29	5.41	H
	3344	-69.34	-13	-56.34	-62.59	-72.95	1.56	7.31	H
	4179	-66.10	-13	-53.10	-61.13	-70.72	1.86	8.64	H
	5016	-64.18	-13	-51.18	-63.4	-69.38	2.35	9.70	H
	1672	-67.99	-13	-54.99	-55.03	-69.67	0.99	4.82	V
	2507	-56.56	-13	-43.56	-47.44	-58.52	1.29	5.41	V
	3344	-69.48	-13	-56.48	-62.48	-73.09	1.56	7.31	V
	4179	-66.29	-13	-53.29	-61.11	-70.91	1.86	8.64	V
	5016	-63.26	-13	-50.26	-62.26	-68.46	2.35	9.70	V

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

LTE Band 5 / 3MHz / QPSK / RB Size 1 Offset 0									
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	1672	-68.23	-13	-55.23	-55.17	-69.91	0.99	4.82	H
	2504	-57.40	-13	-44.40	-48.18	-59.36	1.29	5.40	H
	3341	-69.23	-13	-56.23	-62.48	-72.83	1.55	7.30	H
	4176	-66.46	-13	-53.46	-61.49	-71.08	1.86	8.64	H
	1672	-67.04	-13	-54.04	-54.08	-68.72	0.99	4.82	V
	2504	-57.28	-13	-44.28	-48.1	-59.24	1.29	5.40	V
	3341	-69.63	-13	-56.63	-62.63	-73.23	1.55	7.30	V
	4176	-65.55	-13	-52.55	-60.37	-70.17	1.86	8.64	V

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

LTE Band 5 / 5MHz / QPSK / RB Size 1 Offset 0									
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	-68.64	-13	-55.64	-55.5	-70.35	0.98	4.84	H
	2504	-55.70	-13	-42.70	-46.48	-57.66	1.29	5.40	H
	3336	-69.59	-13	-56.59	-62.8	-73.17	1.55	7.28	H
	4168	-66.50	-13	-53.50	-61.44	-71.13	1.86	8.63	H
	1664	-68.03	-13	-55.03	-55.03	-69.74	0.98	4.84	V
	2504	-56.55	-13	-43.55	-47.37	-58.51	1.29	5.40	V
	3336	-69.94	-13	-56.94	-62.92	-73.52	1.55	7.28	V
	4168	-66.25	-13	-53.25	-60.99	-70.88	1.86	8.63	V

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



LTE Band 5 / 10MHz / QPSK / RB Size 1 Offset 0									
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	-69.29	-13	-56.29	-56.15	-71.00	0.98	4.84	H
	2496	-57.94	-13	-44.94	-48.72	-59.89	1.29	5.39	H
	3328	-69.93	-13	-56.93	-63.14	-73.47	1.55	7.24	H
	4160	-65.26	-13	-52.26	-60.2	-69.89	1.85	8.63	H
	4992	-63.81	-13	-50.81	-62.99	-69.01	2.33	9.68	H
	5812	-62.90	-13	-49.90	-64.17	-67.77	2.80	9.82	H
	1664	-70.26	-13	-57.26	-57.26	-71.97	0.98	4.84	V
	2496	-59.88	-13	-46.88	-50.7	-61.83	1.29	5.39	V
	3328	-69.90	-13	-56.90	-62.88	-73.44	1.55	7.24	V
	4160	-66.06	-13	-53.06	-60.8	-70.69	1.85	8.63	V
	4992	-63.81	-13	-50.81	-62.76	-69.01	2.33	9.68	V
	5812	-59.89	-13	-46.89	-61.08	-64.76	2.80	9.82	V

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

LTE Band 12 / 1.4MHz / QPSK / RB Size 1 Offset 0									
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	1416	-67.41	-13.00	-54.41	-52.93	-69.16	0.87	4.78	H
	2120	-48.56	-13.00	-35.56	-37.57	-49.50	1.17	4.26	H
	3536	-68.61	-13.00	-55.61	-62.21	-72.89	1.62	8.04	H
	4240	-64.21	-13.00	-51.21	-59.54	-68.81	1.90	8.65	H
	1416	-69.57	-13.00	-56.57	-55.33	-71.32	0.87	4.78	V
	2120	-47.89	-13.00	-34.89	-36.54	-48.83	1.17	4.26	V
	3536	-70.22	-13.00	-57.22	-63.52	-74.50	1.62	8.04	V
	4240	-64.29	-13.00	-51.29	-59.37	-68.89	1.90	8.65	V

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

LTE Band 12 / 3MHz / QPSK / RB Size 1 Offset 0									
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	1408	-71.75	-13.00	-58.75	-57.27	-73.46	0.87	4.73	H
	2120	-49.64	-13.00	-36.64	-38.65	-50.58	1.17	4.26	H
	3528	-67.81	-13.00	-54.81	-61.41	-72.08	1.61	8.03	H
	4240	-64.80	-13.00	-51.80	-60.13	-69.40	1.90	8.65	H
	1408	-70.28	-13.00	-57.28	-56.04	-71.99	0.87	4.73	V
	2120	-49.81	-13.00	-36.81	-38.46	-50.75	1.17	4.26	V
	3528	-68.97	-13.00	-55.97	-62.27	-73.24	1.61	8.03	V
	4240	-63.86	-13.00	-50.86	-58.96	-68.46	1.90	8.65	V

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



LTE Band 12 / 5MHz / QPSK / RB Size 1 Offset 0									
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	1408	-71.06	-13.00	-58.06	-56.58	-72.77	0.87	4.73	H
	2112	-49.62	-13.00	-36.62	-38.54	-50.54	1.17	4.24	H
	3528	-68.23	-13.00	-55.23	-61.83	-72.50	1.61	8.03	H
	4232	-62.08	-13.00	-49.08	-57.34	-66.68	1.89	8.65	H
	1408	-69.80	-13.00	-56.80	-55.56	-71.51	0.87	4.73	V
	2112	-48.79	-13.00	-35.79	-37.34	-49.71	1.17	4.24	V
	3528	-68.97	-13.00	-55.97	-62.27	-73.24	1.61	8.03	V
	4232	-61.83	-13.00	-48.83	-56.87	-66.43	1.89	8.65	V

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

LTE Band 12 / 10MHz / QPSK / RB Size 1 Offset 0									
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	1408	-59.98	-13.00	-46.98	-45.50	-61.69	0.87	4.73	H
	2112	-46.20	-13.00	-33.20	-35.12	-47.12	1.17	4.24	H
	2808	-70.09	-13.00	-57.09	-61.94	-72.20	1.39	5.65	H
	1408	-62.26	-13.00	-49.26	-48.02	-63.97	0.87	4.73	V
	2112	-46.40	-13.00	-33.40	-34.95	-47.32	1.17	4.24	V
	2808	-70.22	-13.00	-57.22	-62.03	-72.33	1.39	5.65	V

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

LTE Band 13 / 5MHz / QPSK / RB Size 1 Offset 0									
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	1568	-70.82	-42.15	-28.67	-57.21	-72.84	0.94	5.11	H
	2352	-63.61	-13	-50.61	-53.74	-65.17	1.24	4.96	H
	3136	-70.37	-13	-57.37	-63.21	-73.13	1.49	6.40	H
	1568	-69.58	-42.15	-27.43	-56.26	-71.59	0.94	5.11	V
	2352	-63.05	-13	-50.05	-53.12	-64.61	1.24	4.96	V
	3136	-70.34	-13	-57.34	-63.10	-73.10	1.49	6.40	V

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



LTE Band 13 / 10MHz / QPSK / RB Size 1 Offset 0									
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	1560	-73.70	-42.15	-31.55	-57.94	-75.74	0.94	5.13	H
	2344	-63.76	-13	-50.76	-51.67	-65.30	1.24	4.93	H
	3128	-72.43	-13	-59.43	-63.08	-75.16	1.49	6.36	H
	1560	-72.09	-42.15	-29.94	-56.65	-74.13	0.94	5.13	V
	2344	-63.09	-13	-50.09	-50.87	-64.63	1.24	4.93	V
	3128	-72.18	-13	-59.18	-62.69	-74.91	1.49	6.36	V

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

LTE Band 17 / 5MHz / QPSK / RB Size 1 Offset 0									
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	1416	-62.57	-13	-49.57	-48.09	-64.32	0.87	4.78	H
	2120	-54.04	-13	-41.04	-43.05	-54.98	1.17	4.26	H
	2832	-69.50	-13	-56.50	-61.47	-71.62	1.39	5.67	H
	1416	-63.20	-13	-50.20	-48.96	-64.95	0.87	4.78	V
	2120	-52.40	-13	-39.40	-41.05	-53.34	1.17	4.26	V
	2832	-69.93	-13	-56.93	-61.85	-72.05	1.39	5.67	V

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

LTE Band 17 / 10MHz / QPSK / RB Size 1 Offset 0									
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	1408	-64.46	-13	-51.46	-49.98	-66.17	0.87	4.73	H
	2120	-56.74	-13	-43.74	-45.75	-57.68	1.17	4.26	H
	2824	-70.03	-13	-57.03	-61.94	-72.15	1.39	5.66	H
	1408	-61.41	-13	-48.41	-47.17	-63.12	0.87	4.73	V
	2120	-55.49	-13	-42.49	-44.14	-56.43	1.17	4.26	V
	2824	-70.49	-13	-57.49	-62.35	-72.61	1.39	5.66	V

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



LTE Band 25 / 1.4MHz / QPSK / RB Size 1 Offset 0									
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	3756	-67.72	-13	-54.72	-61.59	-74.34	1.68	8.31	H
	5638	-63.74	-13	-50.74	-64.55	-70.79	2.70	9.76	H
	7517	-58.61	-13	-45.61	-64.84	-68.00	2.42	11.81	H
	3758	-68.07	-13	-55.07	-61.72	-74.69	1.69	8.31	V
	5638	-63.75	-13	-50.75	-64.5	-70.80	2.70	9.76	V
	7515	-58.04	-13	-45.04	-64.56	-67.42	2.42	11.81	V

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

LTE Band 25 / 3MHz / QPSK / RB Size 1 Offset 0									
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	3756	-68.01	-13	-55.01	-61.88	-74.63	1.68	8.31	H
	5635	-63.81	-13	-50.81	-64.62	-70.86	2.70	9.75	H
	7514	-58.66	-13	-45.66	-64.89	-68.04	2.42	11.81	H
	3758	-67.77	-13	-54.77	-61.42	-74.39	1.69	8.31	V
	5635	-63.83	-13	-50.83	-64.58	-70.88	2.70	9.75	V
	7515	-58.22	-13	-45.22	-64.74	-67.60	2.42	11.81	V

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

LTE Band 25 / 5MHz / QPSK / RB Size 1 Offset 0									
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	3756	-68.08	-13	-55.08	-61.95	-74.70	1.68	8.31	H
	5633	-64.10	-13	-51.10	-64.91	-71.15	2.70	9.75	H
	7511	-58.80	-13	-45.80	-65.03	-68.18	2.43	11.81	H
	3755	-68.40	-13	-55.40	-62.05	-75.02	1.68	8.31	V
	5633	-63.52	-13	-50.52	-64.27	-70.57	2.70	9.75	V
	7508	-58.04	-13	-45.04	-64.56	-67.42	2.43	11.80	V

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



LTE Band 25 / 10MHz / QPSK / RB Size 1 Offset 0									
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	3749	-68.10	-13	-55.10	-61.97	-74.72	1.68	8.30	H
	5626	-63.37	-13	-50.37	-64.13	-70.42	2.70	9.75	H
	7502	-58.75	-13	-45.75	-64.95	-68.12	2.43	11.80	H
	3749	-68.45	-13	-55.45	-62.1	-75.07	1.68	8.30	V
	5626	-62.95	-13	-49.95	-63.66	-70.00	2.70	9.75	V
	7502	-58.57	-13	-45.57	-65.07	-67.94	2.43	11.80	V

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

LTE Band 25 / 15MHz / QPSK / RB Size 1 Offset 0									
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	3749	-68.36	-13	-55.36	-62.23	-74.98	1.68	8.30	H
	5619	-63.78	-13	-50.78	-64.54	-70.83	2.69	9.75	H
	7493	-58.91	-13	-45.91	-65.11	-68.26	2.43	11.79	H
	3746	-68.23	-13	-55.23	-61.88	-74.84	1.68	8.30	V
	5619	-63.44	-13	-50.44	-64.15	-70.49	2.69	9.75	V
	7494	-58.43	-13	-45.43	-64.93	-67.79	2.43	11.79	V

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

LTE Band 25 / 20MHz / QPSK / RB Size 1 Offset 0									
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	-68.62	-13	-55.62	-62.48	-75.23	1.68	8.29	H
	5613	-63.01	-13	-50.01	-63.72	-70.07	2.69	9.75	H
	7484	-59.21	-13	-46.21	-65.37	-68.54	2.43	11.77	H
	3742	-68.90	-13	-55.90	-62.52	-75.51	1.68	8.29	V
	5613	-63.24	-13	-50.24	-63.9	-70.30	2.69	9.75	V
	7487	-58.68	-13	-45.68	-65.18	-68.02	2.43	11.77	V

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



LTE Band 26 / 1.4MHz / QPSK / RB Size 1 Offset 0									
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	-69.29	-13	-56.29	-56.15	-71.00	0.98	4.84	H
	2488	-58.04	-13	-45.04	-48.82	-59.97	1.29	5.36	H
	3320	-70.16	-13	-57.16	-63.34	-73.67	1.55	7.21	H
	4152	-64.59	-13	-51.59	-59.46	-69.22	1.85	8.63	H
	1664	-70.17	-13	-57.17	-57.17	-71.88	0.98	4.84	V
	2488	-57.48	-13	-44.48	-48.3	-59.41	1.29	5.36	V
	3320	-70.20	-13	-57.20	-63.15	-73.71	1.55	7.21	V
	4152	-67.24	-13	-54.24	-61.91	-71.87	1.85	8.63	V

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

LTE Band 26 / 3MHz / QPSK / RB Size 1 Offset 0									
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	1656	-70.06	-13	-57.06	-56.92	-71.79	0.98	4.86	H
	2488	-53.54	-13	-40.54	-44.32	-55.47	1.29	5.36	H
	3320	-69.92	-13	-56.92	-63.1	-73.43	1.55	7.21	H
	4152	-66.15	-13	-53.15	-61.02	-70.78	1.85	8.63	H
	1656	-69.68	-13	-56.68	-56.68	-71.41	0.98	4.86	V
	2488	-54.10	-13	-41.10	-44.92	-56.03	1.29	5.36	V
	3320	-70.49	-13	-57.49	-63.44	-74.00	1.55	7.21	V
	4152	-67.26	-13	-54.26	-61.93	-71.89	1.85	8.63	V

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

LTE Band 26 / 5MHz / QPSK / RB Size 1 Offset 0									
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	1656	-68.22	-13	-55.22	-55.08	-69.95	0.98	4.86	H
	2488	-51.48	-13	-38.48	-42.26	-53.41	1.29	5.36	H
	3320	-70.26	-13	-57.26	-63.44	-73.77	1.55	7.21	H
	1656	-70.12	-13	-57.12	-57.12	-71.85	0.98	4.86	V
	2488	-53.58	-13	-40.58	-44.4	-55.51	1.29	5.36	V
	3320	-70.30	-13	-57.30	-63.25	-73.81	1.55	7.21	V

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



LTE Band 26 / 10MHz / QPSK / RB Size 1 Offset 0									
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	1656	-66.84	-13	-53.84	-53.7	-68.57	0.98	4.86	H
	2480	-45.45	-13	-32.45	-36.15	-47.36	1.28	5.34	H
	3304	-69.65	-13	-56.65	-62.83	-73.09	1.54	7.14	H
	4136	-64.32	-13	-51.32	-59.11	-68.96	1.84	8.63	H
	1656	-68.86	-13	-55.86	-55.86	-70.59	0.98	4.86	V
	2480	-50.41	-13	-37.41	-41.13	-52.32	1.28	5.34	V
	3304	-69.95	-13	-56.95	-62.9	-73.39	1.54	7.14	V
	4136	-64.59	-13	-51.59	-59.19	-69.23	1.84	8.63	V

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

LTE Band 26 / 15MHz / QPSK / RB Size 1 Offset 0									
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	1648	-71.18	-13	-58.18	-57.96	-72.94	0.98	4.89	H
	2472	-50.14	-13	-37.14	-40.84	-52.02	1.28	5.32	H
	3296	-69.74	-13	-56.74	-62.88	-73.15	1.54	7.10	H
	4120	-65.61	-13	-52.61	-60.4	-70.25	1.83	8.62	H
	1648	-70.70	-13	-57.70	-57.65	-72.46	0.98	4.89	V
	2472	-56.40	-13	-43.40	-47.12	-58.28	1.28	5.32	V
	3296	-70.27	-13	-57.27	-63.19	-73.68	1.54	7.10	V
	4120	-66.38	-13	-53.38	-60.98	-71.02	1.83	8.62	V

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



<Bottom Antenna>

LTE Band 2 / 1.4MHz / QPSK / RB Size 1 Offset 0									
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	3756	-47.64	-13	-34.64	-41.51	-54.26	1.68	8.31	H
	5638	-64.02	-13	-51.02	-64.83	-71.07	2.70	9.76	H
	7517	-57.99	-13	-44.99	-64.22	-67.38	2.42	11.81	H
	3756	-46.55	-13	-33.55	-40.2	-53.17	1.68	8.31	V
	5638	-63.27	-13	-50.27	-64.02	-70.32	2.70	9.76	V
	7515	-55.89	-13	-42.89	-62.41	-65.27	2.42	11.81	V

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

LTE Band 2 / 3MHz / QPSK / RB Size 1 Offset 0									
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	3756	-48.51	-13	-35.51	-42.38	-55.13	1.68	8.31	H
	5635	-63.90	-13	-50.90	-64.71	-70.95	2.70	9.75	H
	7515	-57.31	-13	-44.31	-63.54	-66.69	2.42	11.81	H
	3756	-46.58	-13	-33.58	-40.23	-53.20	1.68	8.31	V
	5635	-64.22	-13	-51.22	-64.97	-71.27	2.70	9.75	V
	7515	-54.52	-13	-41.52	-61.04	-63.90	2.42	11.81	V

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

LTE Band 2 / 5MHz / QPSK / RB Size 1 Offset 0									
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	3756	-47.95	-13	-34.95	-41.82	-54.57	1.68	8.31	H
	5633	-63.63	-13	-50.63	-64.44	-70.68	2.70	9.75	H
	7515	-57.94	-13	-44.94	-64.17	-67.32	2.42	11.81	H
	3756	-45.20	-13	-32.20	-38.85	-51.82	1.68	8.31	V
	5633	-62.57	-13	-49.57	-63.32	-69.62	2.70	9.75	V
	7515	-55.52	-13	-42.52	-62.04	-64.90	2.42	11.81	V

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



LTE Band 2 / 10MHz / QPSK / RB Size 1 Offset 0									
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	3749	-47.07	-13	-34.07	-40.94	-53.69	1.68	8.30	H
	5625	-62.48	-13	-49.48	-63.24	-69.53	2.70	9.75	H
	7501	-56.81	-13	-43.81	-63.01	-66.18	2.43	11.80	H
	3749	-44.60	-13	-31.60	-38.25	-51.22	1.68	8.30	V
	5625	-58.56	-13	-45.56	-59.27	-65.61	2.70	9.75	V
	7501	-54.89	-13	-41.89	-61.39	-64.26	2.43	11.80	V

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

LTE Band 2 / 15MHz / QPSK / RB Size 1 Offset 0									
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	3749	-46.03	-13	-33.03	-39.9	-52.65	1.68	8.30	H
	5618	-63.02	-13	-50.02	-63.79	-70.07	2.69	9.75	H
	7494	-58.14	-13	-45.14	-64.34	-67.50	2.43	11.79	H
	9370	-56.83	-13	-43.83	-67.22	-66.82	2.56	12.55	H
	3749	-45.83	-13	-32.83	-39.48	-52.45	1.68	8.30	V
	5618	-61.96	-13	-48.96	-62.67	-69.01	2.69	9.75	V
	7494	-55.02	-13	-42.02	-61.52	-64.38	2.43	11.79	V
	9370	-56.12	-13	-43.12	-64.92	-66.11	2.56	12.55	V

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

LTE Band 2 / 20MHz / QPSK / RB Size 1 Offset 0									
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	-46.45	-13	-33.45	-40.31	-53.06	1.68	8.29	H
	5611	-62.25	-13	-49.25	-62.96	-69.31	2.69	9.74	H
	7487	-57.42	-13	-44.42	-63.62	-66.76	2.43	11.77	H
	3742	-45.34	-13	-32.34	-38.96	-51.95	1.68	8.29	V
	5611	-61.44	-13	-48.44	-62.1	-68.50	2.69	9.74	V
	7487	-54.52	-13	-41.52	-61.02	-63.86	2.43	11.77	V

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



LTE Band 4 / 1.4MHz / QPSK / RB Size 1 Offset 0									
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	3462	-63.62	-13	-50.62	-57.11	-69.86	1.59	7.83	H
	5198	-62.29	-13	-49.29	-61.97	-69.54	2.45	9.70	H
	6827	-60.39	-13	-47.39	-65.05	-68.34	2.65	10.59	H
	10392	-51.11	-13	-38.11	-64.25	-60.77	2.69	12.36	H
	3462	-63.21	-13	-50.21	-56.41	-69.45	1.59	7.83	V
	5195	-64.30	-13	-51.30	-63.83	-71.55	2.45	9.70	V
	6927	-59.34	-13	-46.34	-64.28	-67.44	2.61	10.71	V
	10392	-53.96	-13	-40.96	-66.28	-63.62	2.69	12.36	V

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

LTE Band 4 / 3MHz / QPSK / RB Size 1 Offset 0									
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	3462	-63.49	-13	-50.49	-56.98	-69.73	1.59	7.83	H
	5191	-62.17	-13	-49.17	-61.85	-69.42	2.45	9.70	H
	6924	-59.86	-13	-46.86	-64.45	-67.95	2.62	10.71	H
	10384	-52.16	-13	-39.16	-65.3	-61.82	2.69	12.35	H
	3462	-62.28	-13	-49.28	-55.48	-68.52	1.59	7.83	V
	5193	-64.00	-13	-51.00	-63.53	-71.25	2.45	9.70	V
	6927	-58.95	-13	-45.95	-63.89	-67.05	2.61	10.71	V
	10384	-53.70	-13	-40.70	-66.02	-63.36	2.69	12.35	V

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

LTE Band 4 / 5MHz / QPSK / RB Size 1 Offset 0									
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	3462	-63.29	-13	-50.29	-56.78	-69.53	1.59	7.83	H
	5191	-62.44	-13	-49.44	-62.12	-69.69	2.45	9.70	H
	6921	-60.16	-13	-47.16	-64.75	-68.25	2.62	10.71	H
	10384	-51.99	-13	-38.99	-65.13	-61.65	2.69	12.35	H
	3462	-62.16	-13	-49.16	-55.36	-68.40	1.59	7.83	V
	5190	-64.44	-13	-51.44	-63.93	-71.69	2.45	9.70	V
	6920	-58.79	-13	-45.79	-63.65	-66.88	2.62	10.70	V
	10384	-54.41	-13	-41.41	-66.73	-64.07	2.69	12.35	V

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



LTE Band 4 / 10MHz / QPSK / RB Size 1 Offset 0									
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	3455	-62.31	-13	-49.31	-55.77	-68.52	1.59	7.80	H
	5184	-62.89	-13	-49.89	-62.53	-70.15	2.44	9.70	H
	6912	-59.95	-13	-46.95	-64.54	-68.03	2.62	10.69	H
	8640	-59.03	-13	-46.03	-67.65	-69.18	2.41	12.56	H
	10368	-52.87	-13	-39.87	-53.87	-62.52	2.69	12.35	H
	3455	-61.29	-13	-48.29	-54.46	-67.50	1.59	7.80	V
	5184	-64.16	-13	-51.16	-63.65	-71.42	2.44	9.70	V
	6912	-58.05	-13	-45.05	-62.91	-66.13	2.62	10.69	V
	8640	-59.55	-13	-46.55	-67.72	-69.70	2.41	12.56	V
	10368	-54.71	-13	-41.71	-66.97	-64.36	2.69	12.35	V

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

LTE Band 4 / 15MHz / QPSK / RB Size 1 Offset 0									
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	3448	-61.37	-13	-48.37	-54.83	-67.55	1.59	7.77	H
	5177	-62.80	-13	-49.80	-62.44	-70.06	2.44	9.70	H
	6903	-59.83	-13	-46.83	-64.35	-67.89	2.62	10.68	H
	10352	-52.14	-13	-39.14	-65.25	-61.79	2.69	12.34	H
	3448	-62.11	-13	-49.11	-55.28	-68.29	1.59	7.77	V
	5177	-64.20	-13	-51.20	-63.69	-71.46	2.44	9.70	V
	6906	-58.19	-13	-45.19	-62.98	-66.26	2.62	10.69	V
	10352	-53.89	-13	-40.89	-66.1	-63.54	2.69	12.34	V

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

LTE Band 4 / 20MHz / QPSK / RB Size 1 Offset 0									
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	3448	-61.60	-13	-48.60	-55.06	-67.78	1.59	7.77	H
	5170	-61.75	-13	-48.75	-61.34	-69.02	2.43	9.70	H
	6894	-59.18	-13	-46.18	-63.7	-67.23	2.62	10.67	H
	10344	-51.88	-13	-38.88	-64.99	-61.52	2.69	12.34	H
	3448	-62.87	-13	-49.87	-56.04	-69.05	1.59	7.77	V
	5170	-63.70	-13	-50.70	-63.13	-70.97	2.43	9.70	V
	6892	-58.24	-13	-45.24	-63.03	-66.29	2.63	10.67	V
	10344	-54.08	-13	-41.08	-66.29	-63.72	2.69	12.34	V

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



LTE Band 5 / 1.4MHz / QPSK / RB Size 1 Offset 0									
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	1672	-65.01	-13	-52.01	-51.95	-66.69	0.99	4.82	H
	2507	-69.68	-13	-56.68	-60.52	-71.64	1.29	5.41	H
	3343	-69.43	-13	-56.43	-62.68	-73.03	1.56	7.31	H
	1672	-64.90	-13	-51.90	-51.94	-66.58	0.99	4.82	V
	2507	-69.30	-13	-56.30	-60.18	-71.26	1.29	5.41	V
	3344	-69.66	-13	-56.66	-62.66	-73.27	1.56	7.31	V

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

LTE Band 5 / 3MHz / QPSK / RB Size 1 Offset 0									
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	1672	-67.12	-13	-54.12	-54.06	-68.80	0.99	4.82	H
	2504	-69.71	-13	-56.71	-60.49	-71.67	1.29	5.40	H
	3336	-69.36	-13	-56.36	-62.57	-72.94	1.55	7.28	H
	4176	-66.02	-13	-53.02	-61.05	-70.64	1.86	8.64	H
	1672	-63.79	-13	-50.79	-50.83	-65.47	0.99	4.82	V
	2504	-69.78	-13	-56.78	-60.6	-71.74	1.29	5.40	V
	3336	-69.58	-13	-56.58	-62.56	-73.16	1.55	7.28	V
	4176	-66.21	-13	-53.21	-61.03	-70.83	1.86	8.64	V

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

LTE Band 5 / 5MHz / QPSK / RB Size 1 Offset 0									
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	1672	-68.45	-13	-55.45	-55.39	-70.13	0.99	4.82	H
	2504	-69.46	-13	-56.46	-60.24	-71.42	1.29	5.40	H
	3336	-69.48	-13	-56.48	-62.69	-73.06	1.55	7.28	H
	4168	-65.94	-13	-52.94	-60.88	-70.57	1.86	8.63	H
	1672	-65.26	-13	-52.26	-52.3	-66.94	0.99	4.82	V
	2504	-69.64	-13	-56.64	-60.46	-71.60	1.29	5.40	V
	3336	-69.46	-13	-56.46	-62.44	-73.04	1.55	7.28	V
	4168	-66.05	-13	-53.05	-60.79	-70.68	1.86	8.63	V

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



LTE Band 5 / 10MHz / QPSK / RB Size 1 Offset 0									
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	-67.30	-13	-54.30	-54.16	-69.01	0.98	4.84	H
	2496	-69.29	-13	-56.29	-60.07	-71.24	1.29	5.39	H
	3328	-69.26	-13	-56.26	-62.47	-72.80	1.55	7.24	H
	4160	-65.40	-13	-52.40	-60.34	-70.03	1.85	8.63	H
	1664	-63.97	-13	-50.97	-50.97	-65.68	0.98	4.84	V
	2496	-67.89	-13	-54.89	-58.71	-69.84	1.29	5.39	V
	3328	-69.36	-13	-56.36	-62.34	-72.90	1.55	7.24	V
	4160	-65.93	-13	-52.93	-60.67	-70.56	1.85	8.63	V

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

LTE Band 7 / 5MHz / QPSK / RB Size 1 Offset 0									
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	5064	-52.16	-25	-27.16	-51.5	-59.49	2.37	9.70	H
	7596	-56.17	-25	-31.17	-62.55	-65.63	2.40	11.86	H
	10134	-50.52	-25	-25.52	-63.41	-60.08	2.70	12.25	H
	5064	-53.73	-25	-28.73	-52.87	-61.06	2.37	9.70	V
	7596	-55.57	-25	-30.57	-62.18	-65.02	2.40	11.86	V
	10134	-51.25	-25	-26.25	-62.72	-60.80	2.70	12.25	V

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

LTE Band 7 / 10MHz / QPSK / RB Size 1 Offset 0									
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	5064	-53.82	-25	-28.82	-53.16	-61.15	2.37	9.70	H
	7590	-56.24	-25	-31.24	-62.62	-65.69	2.40	11.85	H
	10125	-52.63	-25	-27.63	-65.52	-62.18	2.70	12.25	H
	5064	-55.53	-25	-30.53	-54.67	-62.86	2.37	9.70	V
	7590	-56.19	-25	-31.19	-62.8	-65.64	2.40	11.85	V
	10125	-53.23	-25	-28.23	-64.7	-62.78	2.70	12.25	V

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



LTE Band 7 / 15MHz / QPSK / RB Size 1 Offset 0									
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	5058	-51.98	-25	-26.98	-51.32	-59.31	2.37	9.70	H
	7584	-54.29	-25	-29.29	-60.64	-63.74	2.40	11.85	H
	10116	-51.09	-25	-26.09	-63.96	-60.64	2.70	12.25	H
	5058	-53.77	-25	-28.77	-52.91	-61.10	2.37	9.70	V
	7584	-54.83	-25	-29.83	-61.43	-64.28	2.40	11.85	V
	10116	-52.73	-25	-27.73	-64.14	-62.28	2.70	12.25	V

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

LTE Band 7 / 20MHz / QPSK / RB Size 1 Offset 0									
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	5052	-52.55	-25	-27.55	-51.86	-59.88	2.37	9.70	H
	7578	-56.13	-25	-31.13	-62.48	-65.57	2.40	11.85	H
	10107	-51.81	-25	-26.81	-64.68	-61.36	2.70	12.24	H
	5052	-54.62	-25	-29.62	-53.72	-61.95	2.37	9.70	V
	7578	-55.94	-25	-30.94	-62.54	-65.38	2.40	11.85	V
	10107	-52.95	-25	-27.95	-64.36	-62.50	2.70	12.24	V

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

LTE Band 12 / 1.4MHz / QPSK / RB Size 1 Offset 0									
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	1416	-69.54	-13.00	-56.54	-55.06	-71.29	0.87	4.78	H
	2120	-58.17	-13.00	-45.17	-47.18	-59.11	1.17	4.26	H
	2824	-69.18	-13.00	-56.18	-61.09	-71.30	1.39	5.66	H
	3536	-63.65	-13.00	-50.65	-57.25	-67.93	1.62	8.04	H
	1416	-69.92	-13.00	-56.92	-55.68	-71.67	0.87	4.78	V
	2120	-54.05	-13.00	-41.05	-42.70	-54.99	1.17	4.26	V
	2824	-68.17	-13.00	-55.17	-60.03	-70.29	1.39	5.66	V
	3536	-65.07	-13.00	-52.07	-58.37	-69.35	1.62	8.04	V

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



LTE Band 12 / 3MHz / QPSK / RB Size 1 Offset 0									
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	1408	-68.34	-13.00	-55.34	-53.86	-70.05	0.87	4.73	H
	2120	-58.95	-13.00	-45.95	-47.96	-59.89	1.17	4.26	H
	2824	-67.04	-13.00	-54.04	-58.95	-69.16	1.39	5.66	H
	3528	-63.88	-13.00	-50.88	-57.48	-68.15	1.61	8.03	H
	1408	-69.71	-13.00	-56.71	-55.47	-71.42	0.87	4.73	V
	2120	-57.65	-13.00	-44.65	-46.30	-58.59	1.17	4.26	V
	2824	-66.53	-13.00	-53.53	-58.39	-68.65	1.39	5.66	V
	3528	-65.33	-13.00	-52.33	-58.63	-69.60	1.61	8.03	V

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

LTE Band 12 / 5MHz / QPSK / RB Size 1 Offset 0									
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	1408	-67.34	-13.00	-54.34	-52.86	-69.05	0.87	4.73	H
	2112	-58.48	-13.00	-45.48	-47.40	-59.40	1.17	4.24	H
	2824	-66.04	-13.00	-53.04	-57.95	-68.16	1.39	5.66	H
	3528	-64.68	-13.00	-51.68	-58.28	-68.95	1.61	8.03	H
	1408	-67.88	-13.00	-54.88	-53.64	-69.59	0.87	4.73	V
	2112	-56.49	-13.00	-43.49	-45.04	-57.41	1.17	4.24	V
	2824	-64.98	-13.00	-51.98	-56.84	-67.10	1.39	5.66	V
	3528	-66.71	-13.00	-53.71	-60.01	-70.98	1.61	8.03	V

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

LTE Band 12 / 10MHz / QPSK / RB Size 1 Offset 0									
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	1408	-66.03	-13.00	-53.03	-51.55	-67.74	0.87	4.73	H
	2112	-57.43	-13.00	-44.43	-46.35	-58.35	1.17	4.24	H
	2808	-64.23	-13.00	-51.23	-57.01	-66.34	1.39	5.65	H
	3512	-64.60	-13.00	-51.60	-58.18	-68.86	1.61	8.01	H
	4216	-64.91	-13.00	-51.91	-60.09	-69.52	1.89	8.64	H
	1408	-66.47	-13.00	-53.47	-53.47	-68.18	0.87	4.73	V
	2112	-54.67	-13.00	-41.67	-55.67	-55.59	1.17	4.24	V
	2808	-64.23	-13.00	-51.23	-65.23	-66.34	1.39	5.65	V
	3512	-66.22	-13.00	-53.22	-67.22	-70.48	1.61	8.01	V
	4216	-66.26	-13.00	-53.26	-67.26	-70.87	1.89	8.64	V

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



LTE Band 13 / 5MHz / QPSK / RB Size 1 Offset 0									
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	1560	-72.48	-42.15	-30.33	-58.87	-74.52	0.94	5.13	H
	2344	-69.46	-13	-56.46	-59.52	-71.00	1.24	4.93	H
	3128	-68.97	-13	-55.97	-61.77	-71.70	1.49	6.36	H
	1564	-71.91	-42.15	-29.76	-42.15	-73.94	0.94	5.12	V
	2346	-69.70	-13	-56.70	-59.63	-71.25	1.24	4.94	V
	3128	-69.43	-13	-56.43	-62.09	-72.16	1.49	6.36	V

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

LTE Band 13 / 10MHz / QPSK / RB Size 1 Offset 0									
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	1560	-72.04	-42.15	-29.89	-58.43	-74.08	0.94	5.13	H
	2344	-69.46	-13	-56.46	-59.52	-71.00	1.24	4.93	H
	3124	-68.14	-13	-55.14	-60.94	-70.85	1.49	6.35	H
	1560	-71.17	-42.15	-29.02	-57.88	-73.21	0.94	5.13	V
	2344	-69.49	-13	-56.49	-59.42	-71.03	1.24	4.93	V
	3128	-69.59	-13	-56.59	-62.25	-72.32	1.49	6.36	V

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

LTE Band 17 / 5MHz / QPSK / RB Size 1 Offset 0									
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	1416	-70.21	-13	-57.21	-55.73	-71.96	0.87	4.78	H
	2120	-52.68	-13	-39.68	-41.69	-53.62	1.17	4.26	H
	2832	-68.75	-13	-55.75	-60.72	-70.87	1.39	5.67	H
	3536	-65.71	-13	-52.71	-59.31	-69.99	1.62	8.04	H
	1416	-69.81	-13	-56.81	-55.57	-71.56	0.87	4.78	V
	2120	-56.64	-13	-43.64	-45.29	-57.58	1.17	4.26	V
	2832	-69.17	-13	-56.17	-61.09	-71.29	1.39	5.67	V
	3536	-63.25	-13	-50.25	-56.55	-67.53	1.62	8.04	V

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



LTE Band 17 / 10MHz / QPSK / RB Size 1 Offset 0									
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	1408	-69.18	-13	-56.18	-54.70	-70.89	0.87	4.73	H
	2120	-57.11	-13	-44.11	-46.12	-58.05	1.17	4.26	H
	2824	-67.15	-13	-54.15	-59.06	-69.27	1.39	5.66	H
	1408	-68.82	-13	-55.82	-54.50	-70.53	0.87	4.73	V
	2120	-59.72	-13	-46.72	-48.37	-60.66	1.17	4.26	V
	2824	-68.67	-13	-55.67	-60.53	-70.79	1.39	5.66	V

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

LTE Band 25 / 1.4MHz / QPSK / RB Size 1 Offset 0									
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	3756	-38.71	-13	-25.71	-32.58	-45.33	1.68	8.31	H
	5639	-56.97	-13	-43.97	-57.78	-64.02	2.71	9.76	H
	7515	-58.07	-13	-45.07	-64.3	-67.45	2.42	11.81	H
	9398	-57.16	-13	-44.16	-67.67	-67.13	2.57	12.54	H
	3756	-39.85	-13	-26.85	-33.5	-46.47	1.68	8.31	V
	5639	-53.14	-13	-40.14	-53.89	-60.19	2.71	9.76	V
	7515	-54.10	-13	-41.10	-60.62	-63.48	2.42	11.81	V
	9398	-58.37	-13	-45.37	-67.23	-68.34	2.57	12.54	V

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

LTE Band 25 / 3MHz / QPSK / RB Size 1 Offset 0									
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	3756	-38.85	-13	-25.85	-32.72	-45.47	1.68	8.31	H
	5639	-57.14	-13	-44.14	-57.95	-64.19	2.71	9.76	H
	7515	-57.42	-13	-44.42	-63.65	-66.80	2.42	11.81	H
	9391	-56.19	-13	-43.19	-66.7	-66.17	2.57	12.54	H
	3756	-39.05	-13	-26.05	-32.7	-45.67	1.68	8.31	V
	5639	-52.75	-13	-39.75	-53.5	-59.80	2.71	9.76	V
	7515	-53.66	-13	-40.66	-60.18	-63.04	2.42	11.81	V
	9391	-57.70	-13	-44.70	-66.56	-67.68	2.57	12.54	V

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



LTE Band 25 / 5MHz / QPSK / RB Size 1 Offset 0									
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	3756	-37.68	-13	-24.68	-31.55	-44.30	1.68	8.31	H
	5632	-56.87	-13	-43.87	-57.63	-63.92	2.70	9.75	H
	7508	-57.58	-13	-44.58	-63.81	-66.96	2.43	11.80	H
	9391	-57.34	-13	-44.34	-67.85	-67.32	2.57	12.54	H
	3756	-39.01	-13	-26.01	-32.66	-45.63	1.68	8.31	V
	5632	-53.12	-13	-40.12	-53.83	-60.17	2.70	9.75	V
	7508	-53.50	-13	-40.50	-60.02	-62.88	2.43	11.80	V
	9391	-57.82	-13	-44.82	-66.68	-67.80	2.57	12.54	V

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

LTE Band 25 / 10MHz / QPSK / RB Size 1 Offset 0									
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	3749	-38.57	-13	-25.57	-32.44	-45.19	1.68	8.30	H
	5625	-52.48	-13	-39.48	-53.24	-59.53	2.70	9.75	H
	7501	-54.95	-13	-41.95	-61.15	-64.32	2.43	11.80	H
	3749	-38.25	-13	-25.25	-31.9	-44.87	1.68	8.30	V
	5625	-53.40	-13	-40.40	-54.11	-60.45	2.70	9.75	V
	7501	-54.80	-13	-41.80	-61.3	-64.17	2.43	11.80	V

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

LTE Band 25 / 15MHz / QPSK / RB Size 1 Offset 0									
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	3749	-36.56	-13	-23.56	-30.43	-43.18	1.68	8.30	H
	5618	-57.46	-13	-44.46	-58.22	-64.51	2.69	9.75	H
	7494	-57.93	-13	-44.93	-64.13	-67.29	2.43	11.79	H
	9370	-57.36	-13	-44.36	-67.75	-67.35	2.56	12.55	H
	3749	-38.65	-13	-25.65	-32.3	-45.27	1.68	8.30	V
	5618	-52.29	-13	-39.29	-53	-59.34	2.69	9.75	V
	7494	-53.81	-13	-40.81	-60.31	-63.17	2.43	11.79	V
	9370	-58.34	-13	-45.34	-67.14	-68.33	2.56	12.55	V

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



LTE Band 25 / 20MHz / QPSK / RB Size 1 Offset 0									
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	-37.77	-13	-24.77	-31.63	-44.38	1.68	8.29	H
	5611	-56.24	-13	-43.24	-56.95	-63.30	2.69	9.74	H
	7487	-57.68	-13	-44.68	-63.88	-67.02	2.43	11.77	H
	3742	-39.28	-13	-26.28	-32.9	-45.89	1.68	8.29	V
	5611	-52.19	-13	-39.19	-52.85	-59.25	2.69	9.74	V
	7487	-53.99	-13	-40.99	-60.49	-63.33	2.43	11.77	V

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

LTE Band 26 / 1.4MHz / QPSK / RB Size 1 Offset 0									
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	1663	-67.24	-13	-54.24	-54.1	-68.95	0.98	4.84	H
	2493	-70.20	-13	-57.20	-60.98	-72.14	1.29	5.38	H
	3324	-69.71	-13	-56.71	-62.92	-73.24	1.55	7.23	H
	4154	-65.87	-13	-52.87	-60.81	-70.50	1.85	8.63	H
	1663	-65.35	-13	-52.35	-52.35	-67.06	0.98	4.84	V
	2493	-69.90	-13	-56.90	-60.72	-71.84	1.29	5.38	V
	3324	-69.87	-13	-56.87	-62.85	-73.40	1.55	7.23	V
	4154	-65.99	-13	-52.99	-60.73	-70.62	1.85	8.63	V

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

LTE Band 26 / 3MHz / QPSK / RB Size 1 Offset 0									
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	1657	-62.95	-13	-49.95	-49.81	-64.68	0.98	4.86	H
	2488	-70.19	-13	-57.19	-60.97	-72.12	1.29	5.36	H
	3320	-69.59	-13	-56.59	-62.77	-73.10	1.55	7.21	H
	4152	-65.47	-13	-52.47	-60.34	-70.10	1.85	8.63	H
	1657	-61.33	-13	-48.33	-48.23	-63.06	0.98	4.86	V
	2488	-68.95	-13	-55.95	-59.77	-70.88	1.29	5.36	V
	3320	-69.38	-13	-56.38	-62.33	-72.89	1.55	7.21	V
	4152	-65.70	-13	-52.70	-60.37	-70.33	1.85	8.63	V

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



LTE Band 26 / 5MHz / QPSK / RB Size 1 Offset 0									
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	1656	-64.00	-13	-51.00	-50.86	-65.73	0.98	4.86	H
	2488	-70.15	-13	-57.15	-60.93	-72.08	1.29	5.36	H
	3320	-69.71	-13	-56.71	-62.89	-73.22	1.55	7.21	H
	4146	-66.43	-13	-53.43	-61.3	-71.06	1.85	8.63	H
	1656	-62.74	-13	-49.74	-49.74	-64.47	0.98	4.86	V
	2488	-69.58	-13	-56.58	-60.4	-71.51	1.29	5.36	V
	3320	-69.82	-13	-56.82	-62.77	-73.33	1.55	7.21	V
	4146	-65.41	-13	-52.41	-60.08	-70.04	1.85	8.63	V

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

LTE Band 26 / 10MHz / QPSK / RB Size 1 Offset 0									
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	1654	-65.32	-13	-52.32	-52.1	-67.06	0.98	4.87	H
	2481	-70.05	-13	-57.05	-60.75	-71.96	1.28	5.34	H
	3308	-69.48	-13	-56.48	-62.66	-72.94	1.54	7.16	H
	4136	-65.72	-13	-52.72	-60.51	-70.36	1.84	8.63	H
	1654	-64.10	-13	-51.10	-51.05	-65.84	0.98	4.87	V
	2481	-70.11	-13	-57.11	-60.83	-72.02	1.28	5.34	V
	3308	-69.59	-13	-56.59	-62.54	-73.05	1.54	7.16	V
	4136	-65.82	-13	-52.82	-60.42	-70.46	1.84	8.63	V

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

LTE Band 26 / 15MHz / QPSK / RB Size 1 Offset 0									
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	1648	-62.29	-13	-49.29	-49.07	-64.05	0.98	4.89	H
	2474	-66.95	-13	-53.95	-57.65	-68.84	1.28	5.32	H
	3299	-69.32	-13	-56.32	-62.46	-72.74	1.54	7.12	H
	4136	-67.48	-13	-54.48	-62.27	-72.12	1.84	8.63	H
	4952	-63.98	-13	-50.98	-62.88	-69.12	2.31	9.60	H
	1648	-61.42	-13	-48.42	-48.37	-63.18	0.98	4.89	V
	2474	-65.12	-13	-52.12	-55.84	-67.01	1.28	5.32	V
	3299	-69.82	-13	-56.82	-62.74	-73.24	1.54	7.12	V
	4136	-67.68	-13	-54.68	-62.28	-72.32	1.84	8.63	V
	4952	-63.26	-13	-50.26	-61.93	-68.40	2.31	9.60	V

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



LTE Band 41 / 5MHz / QPSK / RB Size 1 Offset 0									
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	5184	-48.98	-25	-23.98	-48.62	-56.24	2.44	9.70	H
	7770	-52.48	-25	-27.48	-59.15	-62.10	2.34	11.96	H
	10359	-53.29	-25	-28.29	-66.41	-62.94	2.69	12.34	H
	5184	-52.25	-25	-27.25	-51.73	-59.51	2.44	9.70	V
	7770	-53.16	-25	-28.16	-59.99	-62.78	2.34	11.96	V
	10359	-52.87	-25	-27.87	-65.13	-62.52	2.69	12.34	V

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

LTE Band 41 / 10MHz / QPSK / RB Size 1 Offset 0									
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	5178	-41.83	-25	-16.83	-47.73	-49.09	2.44	9.70	H
	7764	-44.10	-25	-19.10	-59.38	-53.71	2.34	11.96	H
	10350	-44.26	-25	-19.26	-66.02	-53.91	2.69	12.34	H
	5178	-50.95	-25	-25.95	-50.44	-58.21	2.44	9.70	V
	7765	-54.05	-25	-29.05	-60.88	-63.66	2.34	11.96	V
	10350	-52.99	-25	-27.99	-65.2	-62.64	2.69	12.34	V

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

LTE Band 41 / 15MHz / QPSK / RB Size 1 Offset 0									
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	5172	-48.75	-25	-23.75	-48.34	-56.01	2.44	9.70	H
	7758	-52.73	-25	-27.73	-59.4	-62.34	2.35	11.95	H
	10341	-53.48	-25	-28.48	-66.57	-63.12	2.69	12.34	H
	5172	-50.78	-25	-25.78	-50.21	-58.04	2.44	9.70	V
	7758	-52.26	-25	-27.26	-59.09	-61.87	2.35	11.95	V
	10341	-52.12	-25	-27.12	-64.24	-61.76	2.69	12.34	V

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



LTE Band 41 / 20MHz / QPSK / RB Size 1 Offset 0									
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	5166	-47.48	-25	-22.48	-47.07	-54.75	2.43	9.70	H
	7752	-51.60	-25	-26.60	-58.24	-61.20	2.35	11.95	H
	10332	-51.89	-25	-26.89	-64.98	-61.53	2.69	12.33	H
	5166	-50.69	-25	-25.69	-50.12	-57.96	2.43	9.70	V
	7752	-51.30	-25	-26.30	-58.11	-60.90	2.35	11.95	V
	10332	-52.20	-25	-27.20	-64.35	-61.84	2.69	12.33	V

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



Appendix D. Product Equality Declaration

ZTE CORPORATION

Product Change Description

As the applicant of the below model, [ZTE Corporation] declares that the product,

[ZTE A2017U]

[ZTE Corporation]

is the variant of the initial certified product,

[ZTE A2017U]

[ZTE Corporation]

[Project Number:16ZTE027]

SOFTWARE MODIFICATIONS:

Protocol Stack changes: NO

MMS/STK changes: NO

JAVA changes: NO

Other changes detailed: NO

HARDWARE MODIFICATION:

Band changes: NO

Power Amplifier changes: NO

Antenna changes: GPS/WiFi/Bluetooth 3in1 antenna is now updated.

Aiming at improving GPS performance, we updated this antenna and this result to 1dB efficiency better than previous one. Meanwhile, WiFi/Bluetooth efficiency was slightly down.

Before



After

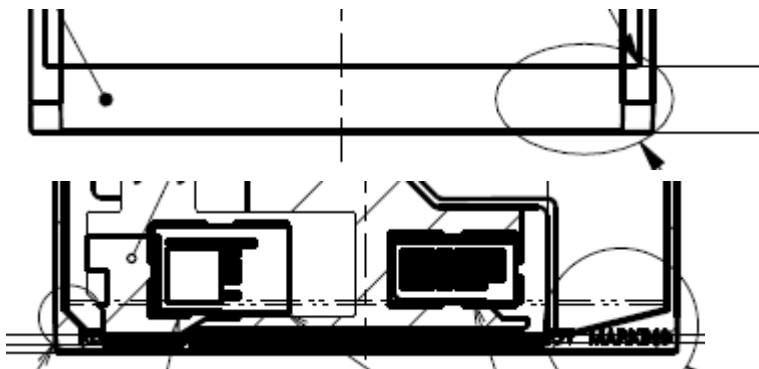


PCB Layout changes: NO

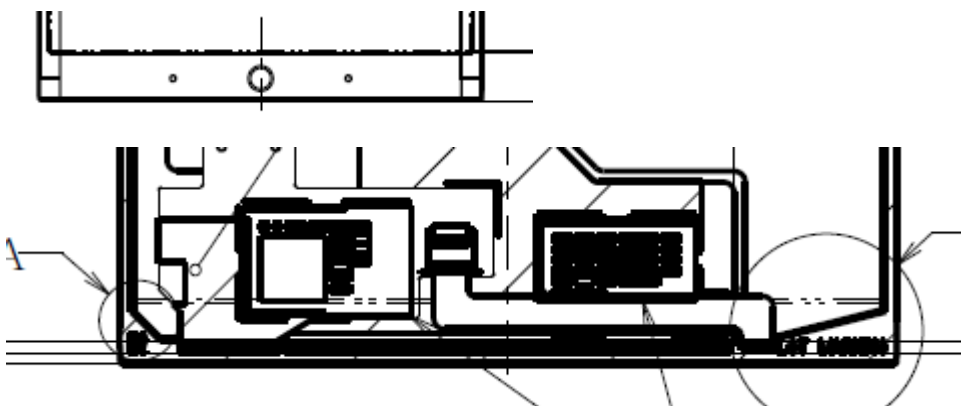
Components on PCB changes: NO

LCD changes: Yes, Added touch key and touch key FPC

Before



After



Speaker changes: NO

Camera changes: NO

Vibrator changes: NO

Bluetooth changes: NO

FM changes: NO

Other changes: NO

MECHANICAL MODIFICATIONS:

Use new metal front/back cover or keypad: NO

Mechanical shell changes: NO

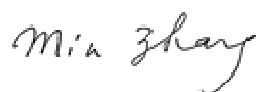
Other changes detailed: NO

ACCESSORY MODIFICATIONS:

Battery changes:NO

AC Adaptor changes:NO

Earphone changes:NO



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