



# FCC RADIO TEST REPORT

**FCC ID** : ACJFZS1A20A  
**Equipment** : Radio module  
**Brand Name** : Panasonic  
**Model Name** : WW18A  
**Marketing Name** : WW18A  
**Applicant** : Panasonic Corporation of North America  
Two Riverfront Plaza, 9th Floor, Newark,  
NJ 07102-5490  
**Manufacturer** : Panasonic Mobile Communications Co., Ltd.  
600 Saedo-cho, Tsuzuki-ku, Yokohama-city,  
Kanagawa 224-8539, Japan  
**Standard** : FCC 47 CFR Part 2, 22(H), 24(E), 27

The product was received on Oct. 26, 2020 and testing was started from Nov. 11, 2020 and completed on Jan. 06, 2021. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in compliance with the applicable technical standards.

The test results in this variant report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

**SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory**

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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### History of this test report

Report No.	Version	Description	Issued Date
FG0D1135B	01	Initial issue of report	Dec. 28, 2020
FG0D1135B	02	1. Revise Accessories Information for Host 2. Revise Antenna gain 3. Update Conducted power and ERP/EIRP	Jan. 07, 2021
FG0D1135B	03	Add remark in section 2.1	Jan. 13, 2021



## Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Reporting only	-
	§22.913 (a)(2)	Effective Radiated Power (Band 5) (Band 26)	Pass	
	§27.50 (b)(10) §27.50 (c)(10)	Effective Radiated Power (Band 12) (Band 13)		
	§24.232 (c) §27.50 (h)(2)	Equivalent Isotropic Radiated Power (Band 2) (Band 7) (Band 41)		
	§27.50 (d)(4)	Equivalent Isotropic Radiated Power (Band 4) (Band 66)		
-	§24.232 (d) §27.50 (d)(5)	Peak-to-Average Ratio	-	See Note
-	§2.1049	Occupied Bandwidth	-	See Note
-	§2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2)(4) §27.53 (g) §27.53 (h)	Conducted Band Edge Measurement (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 26) (Band 66)	-	See Note
	§2.1051 §27.53 (m)(4)	Conducted Band Edge Measurement (Band 7) (Band 41)		
-	§2.1051 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (g) §27.53 (h)	Conducted Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 26) (Band 66)	-	See Note
	§2.1051 §27.53 (m)(4)	Conducted Spurious Emission (Band 7) (Band 41)		
-	§2.1055 §22.355 §24.235 §27.54	Frequency Stability Temperature & Voltage	-	See Note



Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
4.2	§2.1053 §22.917 (a) §24.238 (a) §27.53 (c)(2) §27.53 (f) §27.53 (g) §27.53 (h)	Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 26) (Band 66)	Pass	Under limit 7.68 dB at 10683.000 MHz
	§2.1051 §27.53 (m)(4)	Radiated Spurious Emission (Band 7) (Band 41)		

**Note:** This is a variant report by adding Host information. All the test cases were performed on original report which can be referred to module report (Model: EM7511). Based on the original report, the test cases were verified.

<b>Declaration of Conformity:</b>
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
<b>Comments and Explanations:</b>
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

**Reviewed by: Wii Chang**

**Report Producer: Yimin Ho**



# 1 General Description

## 1.1 Product Feature of Equipment Under Test

WCDMA, LTE and GNSS.

Product Specification subjective to this standard	
Host 1	FZ-S1
Host 2	FZ-S1 with 2nd USB
Host 3	FZ-S1 with BCR Landscape and 2nd USB
Host 4	FZ-S1 with BCR Portrait
Host 5	FZ-S1 with BCR Landscape
Integrated the Host	Equipment: Tablet Computer Brand Name: Panasonic Model Name: FZ-S1 Marketing Name: FZ-S1 FCC ID: ACJFZS1A
Antenna Type for Host	WWAN: Loop Antenna
Antenna Gain for Host	LTE Band 2: 1.75 dBi LTE Band 4: -2.26 dBi LTE Band 5: 1.31 dBi LTE Band 7: 0.19 dBi LTE Band 12: -0.73 dBi LTE Band 13 : 0.22 dBi LTE Band 26 : 1.06 dBi LTE Band 41 : -0.15 dBi LTE Band 66 : -1.81 dBi

**Remark:**

1. The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.
2. The device (Model: FZ-S1) has two SKU (w connector for Vehicle dock and w/o connector), all test items were performed with SKU (w connector for Vehicle dock).

Accessories Information for Host		
AC Adapter	Brand Name	Panasonic
	Model Name	FZ-AAE184EM
Standard Battery	Brand Name	Panasonic
	Model Name	FZ-VZSUT10U
Extend Battery	Brand Name	Panasonic
	Model Name	FZ-VZSUT11U

## 1.2 Modification of EUT

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



### 1.3 Testing Location

<b>Test Site</b>	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
<b>Test Site Location</b>	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
<b>Test Site No.</b>	<b>Sporton Site No.</b>
	TH05-HY
<b>Test Engineer</b>	George Chen
<b>Temperature</b>	21~25°C
<b>Relative Humidity</b>	51~54%

<b>Test Site</b>	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
<b>Test Site Location</b>	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
<b>Test Site No.</b>	<b>Sporton Site No.</b>
	03CH15-HY
<b>Test Engineer</b>	Leo Lee, Mancy Chou and Bigshow Wang
<b>Temperature</b>	22.6~23.6°C
<b>Relative Humidity</b>	47~53%

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

FCC Designation No.: TW1190 and TW0007

### 1.4 Applicable Standards

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

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

**Remark:**

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. The TAF code is not including all the FCC KDB listed without accreditation.



## 2 Test Configuration of Equipment Under Test

### 2.1 Test Mode

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

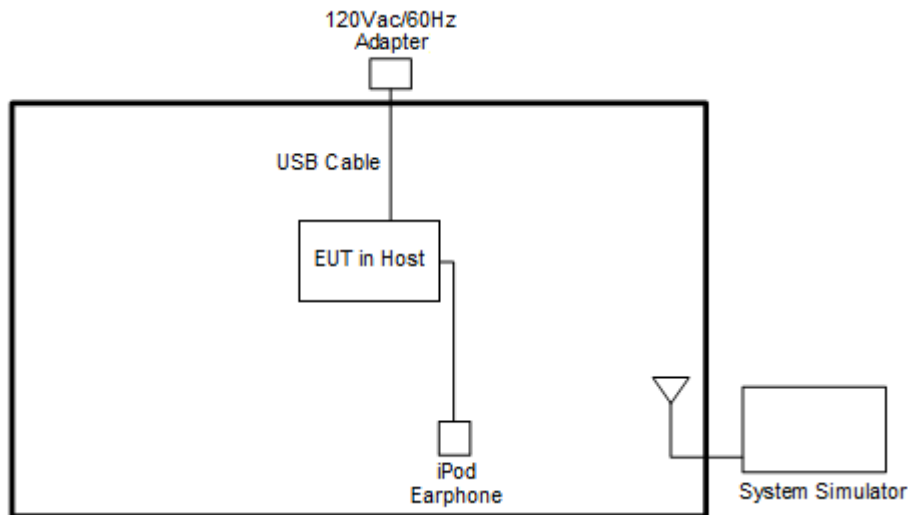
For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (X Plane for LTE Band 4, 13, 66 ; Y Plane for LTE Band 2, 5, 12, 26, 41 ; Z Plane for LTE Band 7) were recorded in this report.

Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Max. Output Power	2	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	5	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v
	7	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	12	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v
	13	-	-	v	v	-	-	v	v	v	v	v	v	v	v	v
	26	v	v	v	v	v	-	v	v	v	v	v	v	v	v	v
	41	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	66	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
E.R.P / E.I.R.P	2	v	v	v	v	v	v	v	v	v	v	v		v	v	v
	4	v	v	v	v	v	v	v	v	v	v	v		v	v	v
	5	v	v	v	v	-	-	v	v	v	v	v		v	v	v
	7	-	-	v	v	v	v	v	v	v	v			v	v	v
	12	v	v	v	v	-	-	v	v	v	v	v		v	v	v
	13	-	-	v	v	-	-	v	v	v	v			v	v	v
	26	v	v	v	v	v	-	v	v	v	v	v		v	v	v
	41	-	-	v	v	v	v	v	v	v	v			v	v	v
	66	v	v	v	v	v	v	v	v	v	v	v		v	v	v



Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Radiated Spurious Emission	2	Worst Case												v	v	v
	4	Worst Case												v	v	v
	5	Worst Case												v	v	v
	7	Worst Case												v	v	v
	12	Worst Case												v	v	v
	13	Worst Case												v	v	v
	26	Worst Case												v	v	v
	41	Worst Case												v	v	v
66	Worst Case												v	v	v	
Remark	<ol style="list-style-type: none"> <li>The mark "v " means that this configuration is chosen for testing</li> <li>The mark "-" means that this bandwidth is not supported.</li> <li>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.</li> <li>All the radiated test cases were performed with Standard Battery and Host 1.</li> <li>Output power has been confirmed to be within the tune up range and any +/-1dBm deviation from the original reported may be considered as measurement uncertainty.</li> </ol>															

## 2.2 Connection Diagram of Test System





### 2.3 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model No.	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	iPod Earphone	Apple	N/A	Verification	Unshielded, 1.0 m	N/A
3.	Type-C USB Cable	LUXSHARE PRECISION LIMITED	L2UU3001-CS-R	N/A	Unshielded, 1.0m	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



<b>LTE Band 5 Channel and Frequency List</b>				
<b>BW [MHz]</b>	<b>Channel/Frequency(MHz)</b>	<b>Lowest</b>	<b>Middle</b>	<b>Highest</b>
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

<b>LTE Band 7 Channel and Frequency List</b>				
<b>BW [MHz]</b>	<b>Channel/Frequency(MHz)</b>	<b>Lowest</b>	<b>Middle</b>	<b>Highest</b>
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

<b>LTE Band 12 Channel and Frequency List</b>				
<b>BW [MHz]</b>	<b>Channel/Frequency(MHz)</b>	<b>Lowest</b>	<b>Middle</b>	<b>Highest</b>
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 26 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
15	Channel	26865	26915	26965
	Frequency	831.5	836.5	841.5
10	Channel	26840	26915	26990
	Frequency	829.0	836.5	844.0
5	Channel	26815	26915	27015
	Frequency	826.5	836.5	846.5
3	Channel	26805	26915	27025
	Frequency	825.5	836.5	847.5
1.4	Channel	26797	26915	27033
	Frequency	824.7	836.5	848.3

LTE Band 41 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	39750	40620	41490
	Frequency	2506.0	2593.0	2680.0
15	Channel	39725	40620	41515
	Frequency	2503.5	2593.0	2682.5
10	Channel	39700	40620	41540
	Frequency	2501.0	2593.0	2685.0
5	Channel	39675	40620	41565
	Frequency	2498.5	2593.0	2687.5



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

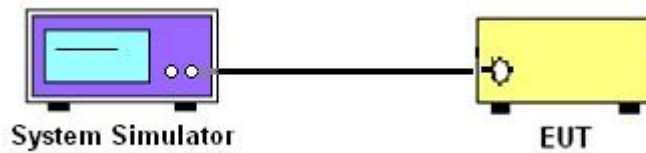
### 3 Conducted Test Items

#### 3.1 Measuring Instruments

See list of measuring instruments of this test report.

##### 3.1.1 Test Setup

##### 3.1.2 Conducted Output Power



##### 3.1.3 Test Result of Conducted Test

Please refer to Appendix A.



## 3.2 Conducted Output Power and ERP/EIRP

### 3.2.1 Description of the Conducted Output Power Measurement and ERP/EIRP Measurement

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

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

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

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 2 and Band 7 and Band 41

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

According to KDB 412172 D01 Power Approach,

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

$P_T$  = transmitter output power in dBm

$G_T$  = gain of the transmitting antenna in dBi

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

### 3.2.2 Test Procedures

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

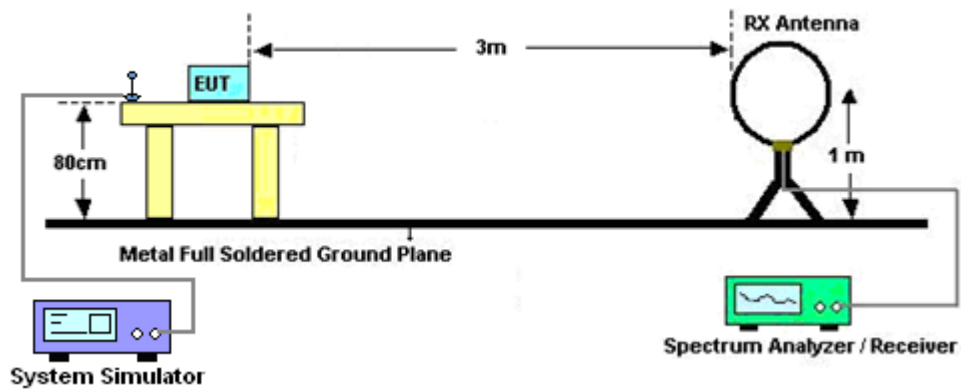
## 4 Radiated Test Items

### 4.1 Measuring Instruments

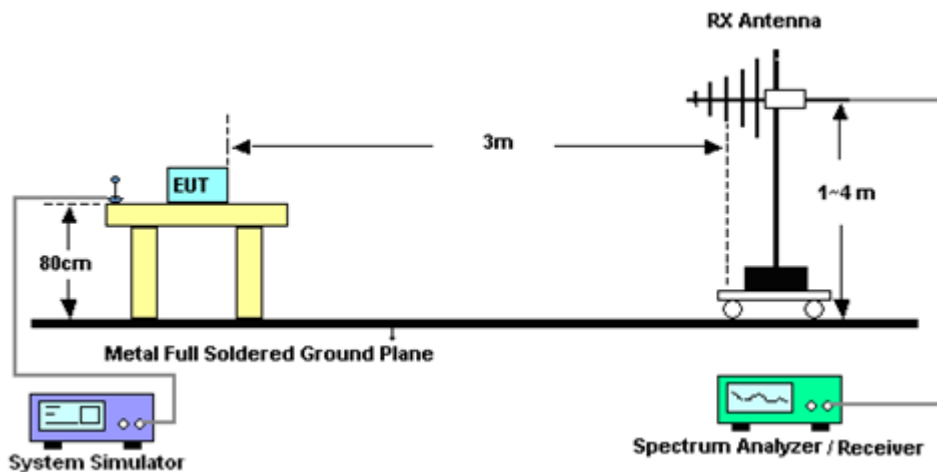
See list of measuring instruments of this test report.

#### 4.1.1 Test Setup

For radiated test below 30MHz

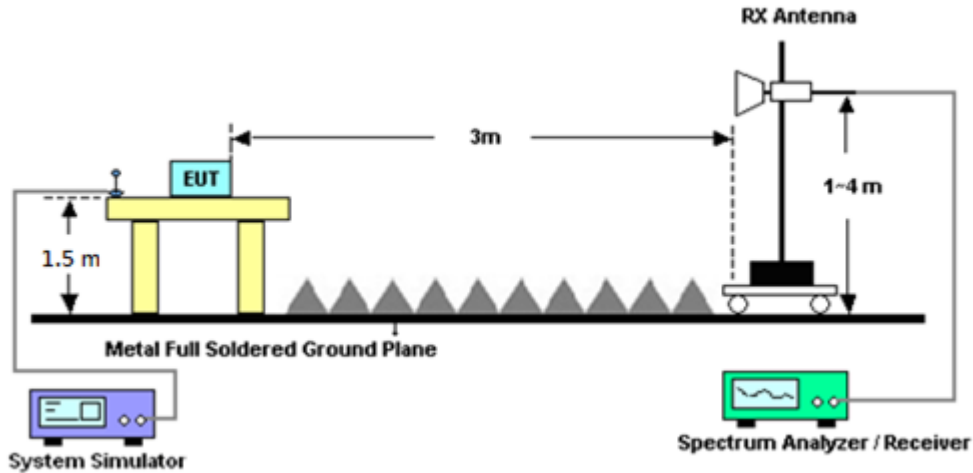


For radiated test from 30MHz to 1GHz





For radiated test above 1GHz



#### 4.1.2 Test Result of Radiated Test

Please refer to Appendix B.

**Note:**

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

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



## 4.2 Radiated Spurious Emission Measurement

### 4.2.1 Description of Radiated Spurious Emission Measurement

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

For LTE Band 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 13

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

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

### 4.2.2 Test Procedures

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

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

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

For LTE Band 7, 41

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

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

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



## 5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
LTE Base Station	Anritsu	MT8821C	6262116725	-	Sep. 09, 2020	Nov. 23, 2020~Jan. 06, 2021	Sep. 08, 2021	Conducted (TH05-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	37059 & 01	30MHz~1GHz	Oct. 11, 2020	Nov. 11, 2020~Nov. 17, 2020	Oct. 10, 2021	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL6111D&00800N1D01N-06	41912&05	30MHz to 1GHz	Feb. 09, 2020	Nov. 11, 2020~Nov. 17, 2020	Feb. 08, 2021	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 27, 2019	Nov. 11, 2020~Nov. 17, 2020	Dec. 26, 2020	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02114	1-18GHz	Aug. 04, 2020	Nov. 11, 2020~Nov. 17, 2020	Aug. 03, 2021	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1326	1GHz~18GHz	Nov. 03, 2020	Nov. 11, 2020~Nov. 17, 2020	Nov. 02, 2021	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Dec. 10, 2019	Nov. 11, 2020~Nov. 17, 2020	Dec. 09, 2020	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz~40GHz	May 22, 2020	Nov. 11, 2020~Nov. 17, 2020	May 21, 2021	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-303	1710001800055006	1GHz~18GHz	May 07, 2020	Nov. 11, 2020~Nov. 17, 2020	May 06, 2021	Radiation (03CH15-HY)
Preamplifier	Keysight	83017A	MY53270195	1GHz~26.5GHz	Aug. 21, 2020	Nov. 11, 2020~Nov. 17, 2020	Aug. 20, 2021	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz ~ 40GHz	Jun. 15, 2020	Nov.11, 2020~Nov. 17, 2020	Jun. 14, 2021	Radiation (03CH15-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200485	10Hz~44GHz	Feb. 10, 2020	Nov. 11, 2020~Nov. 17, 2020	Feb. 09, 2021	Radiation (03CH15-HY)
Spectrum Analyzer	Agilent	E4446A	MY50180136	3Hz~44GHz	May 04, 2020	Nov. 11, 2020~Nov. 17, 2020	May 03, 2021	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Nov. 11, 2020~Nov. 17, 2020	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Nov. 11, 2020~Nov. 17, 2020	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24 (k5)	RK-000451	N/A	N/A	Nov. 11, 2020~Nov. 17, 2020	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY36980/4	30M-18G	Apr. 14, 2020	Nov. 11, 2020~Nov. 17, 2020	Apr. 13, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9838/4PE	30M-18G	Apr. 14, 2020	Nov. 11, 2020~Nov. 17, 2020	Apr. 13, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY37710/4	30M-18G	Apr. 17, 2020	Nov. 11, 2020~Nov. 17, 2020	Apr. 16, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz-40GHz	Feb. 25, 2020	Nov. 11, 2020~Nov. 17, 2020	Feb. 24, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30MHz-40GHz	Feb. 25, 2020	Nov. 11, 2020~Nov. 17, 2020	Feb. 24, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 12, 2020	Nov. 11, 2020~Nov. 17, 2020	Mar. 11, 2021	Radiation (03CH15-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN4	1.53G Low Pass	Jul. 03, 2020	Nov. 11, 2020~Nov. 17, 2020	Jul. 02, 2021	Radiation (03CH15-HY)
Filter	Wainwright	WHKX12-1080-1200-15000-60ST	SN5	1.2GHz High Pass Filter	Jul. 01, 2020	Nov. 11, 2020~Nov. 17, 2020	Jun. 30, 2021	Radiation (03CH15-HY)
Filter	Wainwright	WHKX12-2700-3000-18000-60ST	SN4	3GHz High Pass Filter	Sep. 16, 2020	Nov. 11, 2020~Nov. 17, 2020	Sep. 15, 2021	Radiation (03CH15-HY)
Signal Generator	Anritsu	MG3694C	163401	0.1Hz~40GHz	Feb. 15, 2020	Nov. 11, 2020~Nov. 17, 2020	Feb. 14, 2021	Radiation (03CH15-HY)



## 6 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	2.98
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### Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	3.31
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### Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	3.92
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## Appendix A. Test Results of Conducted Test

### Conducted Output Power(Average power)

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.42	22.36	22.62
20	1	49		22.23	22.24	22.39
20	1	99		22.17	22.20	22.45
20	50	0		21.38	21.30	21.54
20	50	24		21.30	21.31	21.45
20	50	50		21.24	21.22	21.50
20	100	0		21.29	21.33	21.45
20	1	0	16-QAM	21.87	21.60	21.95
20	1	49		21.53	21.53	21.78
20	1	99		21.47	21.58	21.81
20	50	0		20.41	20.30	20.59
20	50	24		20.30	20.34	20.48
20	50	50		20.31	20.26	20.49
20	100	0		20.27	20.35	20.51
20	1	0	64-QAM	20.64	20.48	20.77
20	1	49		20.45	20.49	20.59
20	1	99		20.35	20.35	20.64
20	50	0		19.39	19.30	19.54
20	50	24		19.30	19.36	19.47
20	50	50		19.24	19.24	19.52
20	100	0		19.36	19.37	19.53
15	1	0	QPSK	22.43	22.28	22.58
15	1	37		22.27	22.19	22.32
15	1	74		22.25	22.16	22.49
15	36	0		21.41	21.25	21.51
15	36	20		21.33	21.23	21.41
15	36	39		21.29	21.21	21.52
15	75	0		21.37	21.21	21.42
15	1	0	16-QAM	21.80	21.60	21.76
15	1	37		21.46	21.61	21.62
15	1	74		21.54	21.52	21.70
15	36	0		20.37	20.30	20.51
15	36	20		20.33	20.28	20.45
15	36	39		20.22	20.16	20.51
15	75	0		20.26	20.32	20.40
15	1	0	64-QAM	20.54	20.73	20.86
15	1	37		20.38	20.49	20.53
15	1	74		20.31	20.38	20.57
15	36	0		19.39	19.39	19.48
15	36	20		19.27	19.37	19.44
15	36	39		19.21	19.31	19.48
15	75	0		19.26	19.33	19.43



LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.34	22.11	22.31
10	1	25		22.21	22.30	22.39
10	1	49		22.12	22.26	22.30
10	25	0		21.27	21.28	21.25
10	25	12		21.24	21.21	21.37
10	25	25		21.24	21.19	21.34
10	50	0		21.25	21.23	21.35
10	1	0	16-QAM	21.59	21.42	21.65
10	1	25		21.61	21.59	21.64
10	1	49		21.38	21.65	21.44
10	25	0		20.29	20.26	20.27
10	25	12		20.30	20.23	20.31
10	25	25		20.20	20.20	20.27
10	50	0		20.25	20.29	20.33
10	1	0	64-QAM	20.38	20.31	20.48
10	1	25		20.37	20.26	20.46
10	1	49		20.32	20.52	20.42
10	25	0		19.32	19.31	19.28
10	25	12		19.31	19.21	19.33
10	25	25		19.25	19.18	19.23
10	50	0		19.26	19.22	19.34
5	1	0	QPSK	22.30	22.23	22.41
5	1	12		22.25	22.29	22.28
5	1	24		22.22	22.21	22.46
5	12	0		21.29	21.31	21.43
5	12	7		21.30	21.28	21.38
5	12	13		21.21	21.25	21.36
5	25	0		21.28	21.29	21.39
5	1	0	16-QAM	21.56	21.51	21.76
5	1	12		21.54	21.67	21.65
5	1	24		21.65	21.60	21.67
5	12	0		20.33	20.29	20.42
5	12	7		20.32	20.33	20.47
5	12	13		20.35	20.21	20.41
5	25	0		20.36	20.28	20.35
5	1	0	64-QAM	20.48	20.39	20.61
5	1	12		20.46	20.53	20.55
5	1	24		20.38	20.44	20.53
5	12	0		19.37	19.36	19.41
5	12	7		19.38	19.35	19.35
5	12	13		19.32	19.27	19.39
5	25	0		19.35	19.29	19.38



LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.21	22.28	22.24
3	1	8		22.25	22.24	22.31
3	1	14		22.12	22.15	22.12
3	8	0		21.25	21.21	21.29
3	8	4		21.22	21.24	21.25
3	8	7		21.27	21.17	21.24
3	15	0		21.20	21.28	21.25
3	1	0	16-QAM	21.55	21.54	21.68
3	1	8		21.54	21.69	21.59
3	1	14		21.55	21.53	21.43
3	8	0		20.31	20.31	20.31
3	8	4		20.26	20.36	20.35
3	8	7		20.26	20.26	20.30
3	15	0		20.24	20.24	20.33
3	1	0	64-QAM	20.43	20.45	20.47
3	1	8		20.51	20.54	20.49
3	1	14		20.42	20.32	20.39
3	8	0		19.30	19.30	19.26
3	8	4		19.27	19.24	19.25
3	8	7		19.23	19.22	19.31
3	15	0		19.27	19.17	19.23
1.4	1	0	QPSK	22.20	22.20	22.20
1.4	1	3		22.22	22.19	22.27
1.4	1	5		22.15	22.22	22.11
1.4	3	0		22.22	22.16	22.31
1.4	3	1		22.33	22.21	22.36
1.4	3	3		22.26	22.24	22.33
1.4	6	0		21.14	21.15	21.23
1.4	1	0	16-QAM	21.46	21.54	21.58
1.4	1	3		21.61	21.42	21.60
1.4	1	5		21.57	21.46	21.49
1.4	3	0		21.24	21.30	21.34
1.4	3	1		21.29	21.25	21.32
1.4	3	3		21.24	21.21	21.30
1.4	6	0		20.26	20.19	20.31
1.4	1	0	64-QAM	20.29	20.32	20.50
1.4	1	3		20.53	20.38	20.50
1.4	1	5		20.26	20.40	20.37
1.4	3	0		20.30	20.38	20.43
1.4	3	1		20.43	20.30	20.40
1.4	3	3		20.31	20.31	20.45
1.4	6	0		19.15	19.22	19.16



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.29	23.38	23.30
20	1	49		23.22	23.12	23.07
20	1	99		23.16	23.10	23.00
20	50	0		22.23	22.27	22.15
20	50	24		22.26	22.17	22.13
20	50	50		22.20	22.19	22.03
20	100	0		22.29	22.21	22.17
20	1	0	16-QAM	22.61	22.69	22.70
20	1	49		22.30	22.53	22.28
20	1	99		22.62	22.47	22.37
20	50	0		21.18	21.30	21.22
20	50	24		21.23	21.26	21.08
20	50	50		21.30	21.17	21.09
20	100	0		21.26	21.22	21.13
20	1	0	64-QAM	21.47	21.68	21.42
20	1	49		21.26	21.23	21.21
20	1	99		21.43	21.29	21.06
20	50	0		20.22	20.29	20.19
20	50	24		20.27	20.19	20.08
20	50	50		20.18	20.15	20.09
20	100	0		20.24	20.24	20.14
15	1	0	QPSK	23.21	23.31	23.30
15	1	37		23.03	23.08	23.04
15	1	74		23.13	23.07	23.19
15	36	0		22.11	22.17	22.21
15	36	20		22.09	22.16	22.16
15	36	39		22.13	22.12	22.14
15	75	0		22.10	22.19	22.19
15	1	0	16-QAM	22.45	22.54	22.52
15	1	37		22.41	22.37	22.47
15	1	74		22.42	22.34	22.38
15	36	0		21.09	21.24	21.20
15	36	20		21.09	21.16	21.16
15	36	39		21.15	21.12	21.09
15	75	0		21.12	21.17	21.15
15	1	0	64-QAM	21.45	21.43	21.43
15	1	37		21.18	21.24	21.11
15	1	74		21.27	21.34	21.20
15	36	0		20.11	20.27	20.19
15	36	20		20.13	20.22	20.12
15	36	39		20.20	20.23	20.11
15	75	0		20.10	20.18	20.14





LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.17	23.22	23.12
10	1	25		23.06	23.10	23.00
10	1	49		23.13	23.07	22.96
10	25	0		22.13	22.22	22.11
10	25	12		22.12	22.17	22.14
10	25	25		22.19	22.13	22.12
10	50	0		22.10	22.20	22.11
10	1	0	16-QAM	22.45	22.46	22.53
10	1	25		22.52	22.56	22.21
10	1	49		22.58	22.34	22.46
10	25	0		21.15	21.20	21.18
10	25	12		21.15	21.16	21.16
10	25	25		21.17	21.18	21.09
10	50	0		21.16	21.26	21.18
10	1	0	64-QAM	21.40	21.46	21.36
10	1	25		21.35	21.36	21.14
10	1	49		21.28	21.35	21.20
10	25	0		20.15	20.21	20.13
10	25	12		20.15	20.17	20.17
10	25	25		20.07	20.08	20.09
10	50	0		20.18	20.16	20.09
5	1	0	QPSK	23.08	23.16	23.10
5	1	12		23.11	23.09	23.01
5	1	24		23.11	23.03	23.01
5	12	0		22.14	22.17	22.10
5	12	7		22.14	22.18	22.09
5	12	13		22.10	22.17	22.08
5	25	0		22.14	22.13	22.08
5	1	0	16-QAM	22.40	22.52	22.53
5	1	12		22.37	22.49	22.37
5	1	24		22.48	22.33	22.32
5	12	0		21.15	21.17	21.13
5	12	7		21.12	21.17	21.13
5	12	13		21.13	21.15	21.10
5	25	0		21.08	21.14	21.13
5	1	0	64-QAM	21.40	21.40	21.09
5	1	12		21.26	21.30	21.12
5	1	24		21.31	21.31	21.11
5	12	0		20.12	20.16	20.12
5	12	7		20.10	20.21	20.09
5	12	13		20.07	20.11	20.02
5	25	0		20.12	20.15	20.02



LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	23.03	23.05	23.02
3	1	8		23.06	23.18	23.14
3	1	14		23.01	23.04	23.00
3	8	0		22.05	22.12	22.08
3	8	4		22.10	22.07	22.08
3	8	7		22.00	22.05	22.01
3	15	0		22.04	22.05	22.02
3	1	0	16-QAM	22.36	22.49	22.37
3	1	8		22.33	22.43	22.30
3	1	14		22.41	22.33	22.24
3	8	0		21.07	21.11	21.08
3	8	4		21.11	21.20	21.11
3	8	7		21.13	21.11	21.12
3	15	0		21.03	21.04	21.05
3	1	0	64-QAM	21.25	21.26	21.12
3	1	8		21.25	21.24	21.25
3	1	14		21.26	21.18	21.13
3	8	0		20.07	20.14	20.06
3	8	4		20.09	20.09	20.08
3	8	7		20.07	20.09	20.08
3	15	0		20.07	20.02	20.04
1.4	1	0	QPSK	23.04	23.06	22.98
1.4	1	3		23.06	23.10	23.01
1.4	1	5		23.00	23.00	22.93
1.4	3	0		23.06	23.07	22.95
1.4	3	1		23.13	23.10	23.07
1.4	3	3		23.12	23.08	23.05
1.4	6	0		22.03	22.12	22.00
1.4	1	0	16-QAM	22.33	22.32	22.33
1.4	1	3		22.42	22.45	22.42
1.4	1	5		22.19	22.21	22.39
1.4	3	0		21.96	22.10	22.04
1.4	3	1		22.06	22.14	21.98
1.4	3	3		22.16	22.11	22.04
1.4	6	0		21.05	21.15	21.07
1.4	1	0	64-QAM	21.16	21.15	21.17
1.4	1	3		21.28	21.31	21.19
1.4	1	5		21.21	21.16	20.95
1.4	3	0		21.18	21.22	21.18
1.4	3	1		21.20	21.17	21.18
1.4	3	3		21.19	21.20	21.15
1.4	6	0		20.07	20.03	20.00



LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.89	22.71	22.74
10	1	25		22.71	22.75	22.65
10	1	49		22.57	22.62	22.56
10	25	0		21.89	21.91	21.78
10	25	12		21.82	21.81	21.80
10	25	25		21.76	21.70	21.74
10	50	0		21.79	21.75	21.72
10	1	0	16-QAM	22.06	22.16	21.98
10	1	25		21.96	22.04	21.91
10	1	49		21.76	21.87	21.96
10	25	0		20.90	20.83	20.75
10	25	12		20.80	20.79	20.75
10	25	25		20.76	20.67	20.78
10	50	0		20.78	20.82	20.73
10	1	0	64-QAM	21.08	20.98	20.92
10	1	25		20.92	20.91	20.79
10	1	49		20.84	20.83	20.76
10	25	0		19.86	19.84	19.77
10	25	12		19.83	19.85	19.76
10	25	25		19.75	19.68	19.71
10	50	0		19.83	19.81	19.72
5	1	0	QPSK	22.78	22.78	22.69
5	1	12		22.72	22.70	22.66
5	1	24		22.65	22.66	22.60
5	12	0		21.84	21.77	21.71
5	12	7		21.81	21.80	21.76
5	12	13		21.75	21.77	21.67
5	25	0		21.82	21.76	21.75
5	1	0	16-QAM	22.05	22.09	21.97
5	1	12		22.05	22.14	22.01
5	1	24		22.08	21.99	21.94
5	12	0		20.85	20.88	20.76
5	12	7		20.78	20.84	20.73
5	12	13		20.77	20.77	20.71
5	25	0		20.82	20.79	20.69
5	1	0	64-QAM	21.03	21.08	20.97
5	1	12		20.82	20.94	20.98
5	1	24		20.99	20.94	21.03
5	12	0		19.91	19.87	19.80
5	12	7		19.86	19.81	19.77
5	12	13		19.87	19.80	19.74
5	25	0		19.81	19.76	19.74



LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.82	22.72	22.68
3	1	8		22.81	22.79	22.72
3	1	14		22.71	22.78	22.67
3	8	0		21.84	21.80	21.73
3	8	4		21.82	21.77	21.68
3	8	7		21.75	21.71	21.70
3	15	0		21.79	21.80	21.64
3	1	0	16-QAM	22.05	21.96	22.01
3	1	8		22.07	22.24	22.08
3	1	14		21.92	22.03	21.81
3	8	0		20.87	20.78	20.75
3	8	4		20.89	20.86	20.75
3	8	7		20.84	20.81	20.80
3	15	0		20.78	20.76	20.72
3	1	0	64-QAM	20.94	20.98	20.94
3	1	8		20.99	21.05	20.92
3	1	14		20.95	20.87	20.86
3	8	0		19.87	19.78	19.71
3	8	4		19.86	19.74	19.73
3	8	7		19.81	19.70	19.67
3	15	0		19.85	19.77	19.68
1.4	1	0	QPSK	22.69	22.63	22.52
1.4	1	3		22.71	22.73	22.69
1.4	1	5		22.61	22.61	22.48
1.4	3	0		22.71	22.68	22.58
1.4	3	1		22.79	22.74	22.64
1.4	3	3		22.83	22.77	22.63
1.4	6	0		21.71	21.65	21.55
1.4	1	0	16-QAM	21.95	21.85	21.82
1.4	1	3		22.06	22.03	21.84
1.4	1	5		22.02	21.90	21.80
1.4	3	0		21.80	21.66	21.67
1.4	3	1		21.78	21.69	21.57
1.4	3	3		21.78	21.73	21.65
1.4	6	0		20.82	20.78	20.68
1.4	1	0	64-QAM	20.90	20.81	20.70
1.4	1	3		21.04	20.95	20.84
1.4	1	5		20.90	20.83	20.73
1.4	3	0		20.85	20.79	20.69
1.4	3	1		20.84	20.81	20.75
1.4	3	3		20.83	20.86	20.69
1.4	6	0		19.69	19.67	19.57



LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.89	22.71	22.74
20	1	49		22.71	22.75	22.65
20	1	99		22.57	22.62	22.56
20	50	0		21.89	21.91	21.78
20	50	24		21.82	21.81	21.80
20	50	50		21.76	21.70	21.74
20	100	0		21.79	21.75	21.72
20	1	0	16-QAM	22.06	22.16	21.98
20	1	49		21.96	22.04	21.91
20	1	99		21.76	21.87	21.96
20	50	0		20.90	20.83	20.75
20	50	24		20.80	20.79	20.75
20	50	50		20.76	20.67	20.78
20	100	0		20.78	20.82	20.73
20	1	0	64-QAM	21.08	20.98	20.92
20	1	49		20.92	20.91	20.79
20	1	99		20.84	20.83	20.76
20	50	0		19.86	19.84	19.77
20	50	24		19.83	19.85	19.76
20	50	50		19.75	19.68	19.71
20	100	0		19.83	19.81	19.72
15	1	0	QPSK	22.06	22.23	22.21
15	1	37		22.12	22.05	22.17
15	1	74		22.09	22.15	22.02
15	36	0		21.19	21.17	21.36
15	36	20		21.28	21.15	21.16
15	36	39		21.10	21.13	21.16
15	75	0		21.01	21.20	21.30
15	1	0	16-QAM	21.28	21.47	21.70
15	1	37		21.29	21.47	21.46
15	1	74		21.09	21.33	21.32
15	36	0		20.01	20.21	20.39
15	36	20		20.01	20.18	20.35
15	36	39		20.18	20.08	20.19
15	75	0		20.28	20.18	20.27
15	1	0	64-QAM	20.30	20.49	20.58
15	1	37		20.07	20.30	20.32
15	1	74		20.08	20.25	20.35
15	36	0		19.02	19.22	19.43
15	36	20		19.29	19.19	19.39
15	36	39		19.17	19.15	19.17
15	75	0		19.01	19.18	19.26



LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.26	22.18	22.36
10	1	25		22.24	22.15	22.18
10	1	49		22.21	22.10	22.03
10	25	0		21.28	21.13	21.33
10	25	12		21.25	21.19	21.25
10	25	25		21.22	21.13	21.04
10	50	0		21.26	21.13	21.18
10	1	0	16-QAM	21.35	21.52	21.57
10	1	25		21.24	21.28	21.45
10	1	49		21.24	21.39	21.38
10	25	0		20.26	20.15	20.36
10	25	12		20.22	20.18	20.20
10	25	25		20.21	20.12	20.02
10	50	0		20.03	20.16	20.22
10	1	0	64-QAM	20.19	20.36	20.47
10	1	25		20.09	20.32	20.37
10	1	49		20.24	20.31	20.26
10	25	0		19.29	19.17	19.30
10	25	12		19.26	19.12	19.26
10	25	25		19.22	19.16	19.06
10	50	0		19.29	19.17	19.23
5	1	0	QPSK	22.23	22.15	22.14
5	1	12		22.20	22.09	22.05
5	1	24		22.28	22.08	22.00
5	12	0		21.21	21.15	21.22
5	12	7		21.28	21.11	21.12
5	12	13		21.19	21.10	21.04
5	25	0		21.23	21.14	21.09
5	1	0	16-QAM	21.10	21.39	21.60
5	1	12		21.22	21.47	21.20
5	1	24		21.18	21.42	21.39
5	12	0		20.00	20.19	20.17
5	12	7		20.23	20.18	20.16
5	12	13		20.27	20.15	20.09
5	25	0		20.24	20.21	20.12
5	1	0	64-QAM	20.18	20.28	20.45
5	1	12		20.06	20.28	20.23
5	1	24		20.06	20.24	20.22
5	12	0		19.28	19.19	19.19
5	12	7		19.27	19.18	19.11
5	12	13		19.20	19.12	19.11
5	25	0		19.24	19.13	19.13



LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.63	22.54	22.53
10	1	25		22.47	22.52	22.51
10	1	49		22.41	22.43	22.50
10	25	0		21.54	21.59	21.49
10	25	12		21.52	21.59	21.60
10	25	25		21.53	21.58	21.53
10	50	0		21.61	21.52	21.47
10	1	0	16-QAM	21.91	21.86	21.72
10	1	25		21.73	21.68	21.83
10	1	49		21.62	21.64	21.79
10	25	0		20.64	20.65	20.54
10	25	12		20.59	20.52	20.56
10	25	25		20.60	20.56	20.55
10	50	0		20.66	20.49	20.69
10	1	0	64-QAM	20.83	20.88	20.67
10	1	25		20.74	20.55	20.70
10	1	49		20.53	20.70	20.65
10	25	0		19.61	19.63	19.53
10	25	12		19.64	19.46	19.60
10	25	25		19.53	19.56	19.46
10	50	0		19.60	19.54	19.59
5	1	0	QPSK	22.52	22.60	22.48
5	1	12		22.39	22.43	22.47
5	1	24		22.59	22.49	22.44
5	12	0		21.64	21.53	21.61
5	12	7		21.65	21.50	21.54
5	12	13		21.55	21.47	21.60
5	25	0		21.55	21.49	21.53
5	1	0	16-QAM	21.91	21.76	21.81
5	1	12		21.71	21.68	21.72
5	1	24		21.73	21.77	21.69
5	12	0		20.67	20.48	20.66
5	12	7		20.63	20.51	20.63
5	12	13		20.53	20.48	20.60
5	25	0		20.56	20.54	20.57
5	1	0	64-QAM	20.78	20.72	20.80
5	1	12		20.68	20.50	20.70
5	1	24		20.58	20.66	20.69
5	12	0		19.70	19.53	19.54
5	12	7		19.60	19.58	19.54
5	12	13		19.60	19.52	19.56
5	25	0		19.60	19.54	19.57



LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.53	22.49	22.48
3	1	8		22.59	22.54	22.57
3	1	14		22.49	22.37	22.44
3	8	0		21.66	21.51	21.64
3	8	4		21.59	21.51	21.67
3	8	7		21.55	21.48	21.59
3	15	0		21.57	21.51	21.57
3	1	0	16-QAM	21.70	21.80	21.70
3	1	8		21.74	21.83	21.88
3	1	14		21.58	21.71	21.56
3	8	0		20.65	20.56	20.69
3	8	4		20.64	20.63	20.69
3	8	7		20.54	20.54	20.62
3	15	0		20.61	20.53	20.66
3	1	0	64-QAM	20.76	20.71	20.69
3	1	8		20.92	20.74	20.95
3	1	14		20.80	20.61	20.73
3	8	0		19.66	19.55	19.60
3	8	4		19.51	19.55	19.67
3	8	7		19.57	19.52	19.63
3	15	0		19.48	19.51	19.63
1.4	1	0	QPSK	22.50	22.40	22.43
1.4	1	3		22.62	22.38	22.54
1.4	1	5		22.46	22.39	22.41
1.4	3	0		22.55	22.41	22.44
1.4	3	1		22.55	22.46	22.52
1.4	3	3		22.54	22.42	22.57
1.4	6	0		21.52	21.36	21.50
1.4	1	0	16-QAM	21.76	21.59	21.72
1.4	1	3		21.64	21.76	21.71
1.4	1	5		21.55	21.67	21.72
1.4	3	0		21.54	21.38	21.58
1.4	3	1		21.58	21.43	21.66
1.4	3	3		21.48	21.48	21.56
1.4	6	0		20.59	20.54	20.59
1.4	1	0	64-QAM	20.73	20.55	20.76
1.4	1	3		20.87	20.68	20.72
1.4	1	5		20.68	20.55	20.69
1.4	3	0		20.57	20.55	20.64
1.4	3	1		20.65	20.60	20.68
1.4	3	3		20.64	20.51	20.64
1.4	6	0		19.59	19.37	19.54





LTE Band 13 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK		23.16	
10	1	25			23.23	
10	1	49			23.08	
10	25	0			22.23	
10	25	12			22.20	
10	25	25			22.17	
10	50	0			22.24	
10	1	0	16-QAM		22.55	
10	1	25			22.55	
10	1	49			22.41	
10	25	0			21.38	
10	25	12			21.23	
10	25	25			21.09	
10	50	0	21.32			
10	1	0	64-QAM		21.31	
10	1	25			21.41	
10	1	49			21.25	
10	25	0			20.31	
10	25	12			20.32	
10	25	25			20.14	
10	50	0	20.28			
5	1	0	QPSK	23.16	23.21	23.24
5	1	12		23.18	23.11	23.13
5	1	24		23.20	23.15	23.07
5	12	0		22.16	22.27	22.17
5	12	7		22.28	22.27	22.15
5	12	13		22.24	22.15	22.16
5	25	0		22.23	22.23	22.20
5	1	0	16-QAM	22.36	22.53	22.48
5	1	12		22.52	22.54	22.48
5	1	24		22.50	22.37	22.21
5	12	0		21.17	21.15	21.21
5	12	7		21.27	21.26	21.21
5	12	13		21.23	21.19	21.18
5	25	0	21.28	21.26	21.19	
5	1	0	64-QAM	21.29	21.30	21.36
5	1	12		21.34	21.27	21.16
5	1	24		21.27	21.26	21.21
5	12	0		20.03	20.03	20.02
5	12	7		20.28	20.27	20.21
5	12	13		20.07	20.05	20.09
5	25	0	20.06	20.04	20.09	



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	22.97	22.88	22.91
15	1	37		22.91	22.78	22.78
15	1	74		22.82	22.75	22.65
15	36	0		22.00	22.00	21.88
15	36	20		21.93	21.95	21.89
15	36	39		21.87	21.87	21.81
15	75	0		21.91	21.88	21.88
15	1	0	16-QAM	22.18	22.15	22.11
15	1	37		22.22	22.23	22.19
15	1	74		22.16	22.15	21.86
15	36	0		21.02	20.97	20.95
15	36	20		20.99	20.93	20.89
15	36	39		20.82	20.95	20.78
15	75	0		20.91	20.92	20.86
15	1	0	64-QAM	21.18	21.14	21.31
15	1	37		21.19	21.00	21.09
15	1	74		20.98	21.11	20.93
15	36	0		20.02	19.99	19.97
15	36	20		19.97	19.92	19.87
15	36	39		19.90	19.93	19.74
15	75	0		19.92	19.91	19.84
10	1	0	QPSK	22.87	22.86	22.82
10	1	25		22.96	22.89	22.77
10	1	49		22.83	22.82	22.61
10	25	0		21.94	21.82	21.88
10	25	12		21.89	21.88	21.84
10	25	25		21.90	21.86	21.75
10	50	0		21.92	21.87	21.76
10	1	0	16-QAM	22.12	22.12	22.17
10	1	25		22.09	22.21	22.03
10	1	49		22.16	21.94	22.03
10	25	0		21.02	20.83	20.87
10	25	12		20.94	20.96	20.85
10	25	25		20.84	20.83	20.74
10	50	0		20.93	20.90	20.85
10	1	0	64-QAM	21.04	21.06	20.94
10	1	25		21.09	21.11	20.93
10	1	49		20.99	20.95	20.87
10	25	0		20.01	19.83	19.87
10	25	12		19.97	19.93	19.85
10	25	25		19.89	19.85	19.70
10	50	0		19.90	19.91	19.85



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	22.92	22.77	22.78
5	1	12		22.83	22.70	22.75
5	1	24		22.90	22.71	22.64
5	12	0		21.88	21.83	21.74
5	12	7		21.94	21.81	21.77
5	12	13		21.91	21.81	21.74
5	25	0		21.95	21.78	21.73
5	1	0	16-QAM	22.15	22.04	21.98
5	1	12		22.15	22.07	21.88
5	1	24		22.17	22.06	21.81
5	12	0		20.94	20.82	20.79
5	12	7		20.96	20.84	20.75
5	12	13		20.97	20.81	20.72
5	25	0		20.93	20.79	20.77
5	1	0	64-QAM	21.24	20.98	21.00
5	1	12		21.32	20.91	20.91
5	1	24		21.07	20.91	20.81
5	12	0		19.93	19.86	19.77
5	12	7		20.01	19.88	19.81
5	12	13		19.98	19.82	19.78
5	25	0		19.96	19.82	19.72
3	1	0	QPSK	22.89	22.89	22.72
3	1	8		22.94	22.94	22.76
3	1	14		22.93	22.82	22.59
3	8	0		21.83	21.82	21.76
3	8	4		21.86	21.85	21.72
3	8	7		21.90	21.78	21.68
3	15	0		21.77	21.82	21.69
3	1	0	16-QAM	22.04	22.04	21.92
3	1	8		22.25	22.20	22.03
3	1	14		22.14	21.96	21.97
3	8	0		20.89	20.85	20.83
3	8	4		20.90	20.92	20.78
3	8	7		20.97	20.79	20.77
3	15	0		20.89	20.80	20.73
3	1	0	64-QAM	21.11	21.00	20.90
3	1	8		21.20	21.08	21.02
3	1	14		21.06	20.82	20.82
3	8	0		19.90	19.86	19.79
3	8	4		19.82	19.83	19.79
3	8	7		19.97	19.76	19.77
3	15	0		19.80	19.80	19.71



LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	22.77	22.72	22.59
1.4	1	3		22.80	22.72	22.72
1.4	1	5		22.75	22.68	22.55
1.4	3	0		22.83	22.80	22.66
1.4	3	1		22.84	22.80	22.72
1.4	3	3		22.86	22.81	22.69
1.4	6	0		21.75	21.71	21.65
1.4	1	0	16-QAM	22.07	21.99	21.86
1.4	1	3		22.17	21.88	21.86
1.4	1	5		22.05	21.88	21.94
1.4	3	0		21.83	21.75	21.68
1.4	3	1		21.81	21.82	21.73
1.4	3	3		21.86	21.81	21.64
1.4	6	0		20.85	20.80	20.69
1.4	1	0	64-QAM	21.07	21.04	20.86
1.4	1	3		21.04	21.13	20.97
1.4	1	5		21.03	20.85	20.82
1.4	3	0		20.92	20.80	20.69
1.4	3	1		20.95	20.92	20.82
1.4	3	3		20.90	20.86	20.78
1.4	6	0		19.74	19.66	19.70



LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	21.83	21.97	22.15
20	1	49		21.56	21.78	21.88
20	1	99		21.52	21.83	21.81
20	50	0		20.79	20.97	21.15
20	50	24		20.73	20.92	21.03
20	50	50		20.58	20.86	20.88
20	100	0		20.65	20.91	21.00
20	1	0	16-QAM	21.28	21.40	21.65
20	1	49		20.99	21.24	21.31
20	1	99		20.93	21.23	21.29
20	50	0		19.85	20.01	20.23
20	50	24		19.83	19.97	20.06
20	50	50		19.71	19.99	20.04
20	100	0		19.71	19.88	20.04
20	1	0	64-QAM	19.99	20.11	20.29
20	1	49		19.72	19.91	20.05
20	1	99		19.66	19.97	20.05
20	50	0		18.83	19.06	19.21
20	50	24		18.81	19.01	19.10
20	50	50		18.68	19.00	18.98
20	100	0		18.71	19.06	19.08
15	1	0	QPSK	21.80	22.06	22.08
15	1	37		21.68	21.95	21.92
15	1	74		21.58	21.93	21.88
15	36	0		20.75	20.87	20.94
15	36	20		20.62	20.89	20.91
15	36	39		20.58	20.84	20.83
15	75	0		20.64	20.85	20.90
15	1	0	16-QAM	21.15	21.30	21.43
15	1	37		20.93	21.14	21.26
15	1	74		20.87	21.18	21.22
15	36	0		19.77	19.90	19.94
15	36	20		19.68	19.89	19.93
15	36	39		19.62	19.84	19.86
15	75	0		19.67	19.92	19.91
15	1	0	64-QAM	19.94	19.99	20.13
15	1	37		19.66	19.88	19.98
15	1	74		19.62	19.94	19.95
15	36	0		18.82	18.87	18.98
15	36	20		18.69	18.90	18.99
15	36	39		18.63	18.84	18.92
15	75	0		18.74	18.93	19.01



LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	21.70	21.92	21.96
10	1	25		21.60	21.89	21.87
10	1	49		21.59	21.86	21.88
10	25	0		20.84	20.95	20.97
10	25	12		20.70	20.99	21.00
10	25	25		20.68	20.91	20.97
10	50	0		20.80	20.95	20.98
10	1	0	16-QAM	21.15	21.33	21.40
10	1	25		21.03	21.30	21.37
10	1	49		21.01	21.24	21.27
10	25	0		19.89	19.98	20.04
10	25	12		19.77	20.01	19.98
10	25	25		19.71	19.91	19.98
10	50	0		19.87	20.03	20.08
10	1	0	64-QAM	19.96	19.98	20.17
10	1	25		19.81	19.90	20.10
10	1	49		19.76	20.00	20.04
10	25	0		18.88	19.08	19.14
10	25	12		18.87	19.07	19.09
10	25	25		18.81	19.01	19.06
10	50	0		18.89	19.01	19.03
5	1	0	QPSK	21.70	21.87	21.85
5	1	12		21.67	21.85	21.83
5	1	24		21.51	21.78	21.79
5	12	0		20.76	20.92	20.96
5	12	7		20.83	20.97	20.98
5	12	13		20.79	20.93	20.86
5	25	0		20.80	20.91	20.90
5	1	0	16-QAM	21.07	21.31	21.31
5	1	12		21.13	21.26	21.26
5	1	24		20.99	21.24	21.25
5	12	0		19.85	20.01	20.01
5	12	7		19.89	20.04	20.05
5	12	13		19.82	19.97	19.97
5	25	0		19.86	19.97	19.99
5	1	0	64-QAM	19.88	20.05	19.96
5	1	12		19.90	20.01	20.02
5	1	24		19.71	20.00	20.01
5	12	0		18.92	19.07	19.08
5	12	7		18.94	19.10	19.09
5	12	13		18.89	19.03	19.05
5	25	0		18.92	19.02	19.06



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.08	23.12	23.00
20	1	49		22.90	22.73	22.80
20	1	99		22.89	22.71	22.88
20	50	0		21.98	21.92	21.93
20	50	24		21.91	21.79	21.94
20	50	50		22.00	21.78	21.95
20	100	0		21.86	21.83	21.98
20	1	0	16-QAM	22.41	22.36	22.21
20	1	49		22.18	22.11	22.18
20	1	99		22.32	22.10	22.10
20	50	0		21.01	20.96	20.94
20	50	24		20.96	20.83	21.01
20	50	50		20.95	20.82	20.93
20	100	0		20.88	20.85	20.93
20	1	0	64-QAM	21.15	21.32	21.22
20	1	49		20.99	20.99	21.14
20	1	99		21.06	20.84	21.04
20	50	0		20.00	19.88	19.96
20	50	24		19.92	19.86	19.99
20	50	50		20.01	19.75	19.95
20	100	0		19.94	19.91	19.95
15	1	0	QPSK	23.11	23.00	22.99
15	1	37		22.77	22.77	22.86
15	1	74		22.95	22.77	22.85
15	36	0		21.95	21.87	21.99
15	36	20		21.88	21.86	21.95
15	36	39		21.84	21.81	21.92
15	75	0		21.93	21.85	22.00
15	1	0	16-QAM	22.32	22.22	22.31
15	1	37		22.23	22.01	22.08
15	1	74		22.32	22.19	22.19
15	36	0		20.97	20.89	20.99
15	36	20		20.94	20.81	20.92
15	36	39		20.85	20.76	20.90
15	75	0		20.95	20.81	20.98
15	1	0	64-QAM	21.41	21.10	21.18
15	1	37		21.03	21.09	20.98
15	1	74		21.10	20.80	21.08
15	36	0		19.98	19.89	20.03
15	36	20		19.91	19.86	19.96
15	36	39		19.89	19.82	19.90
15	75	0		19.91	19.83	19.94



LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.97	22.95	23.01
10	1	25		22.91	22.81	22.86
10	1	49		22.82	22.78	22.85
10	25	0		21.99	21.84	21.95
10	25	12		21.90	21.84	21.93
10	25	25		21.84	21.78	21.90
10	50	0		21.86	21.84	21.88
10	1	0	16-QAM	22.22	22.20	22.28
10	1	25		22.19	22.23	22.20
10	1	49		22.12	22.02	22.16
10	25	0		20.95	20.86	20.99
10	25	12		20.93	20.82	20.93
10	25	25		20.87	20.81	20.88
10	50	0		20.97	20.82	20.99
10	1	0	64-QAM	21.19	20.97	21.06
10	1	25		21.08	21.00	21.10
10	1	49		20.96	20.97	21.03
10	25	0		19.97	19.88	19.95
10	25	12		19.92	19.79	19.98
10	25	25		19.86	19.78	19.84
10	50	0		19.93	19.87	19.93
5	1	0	QPSK	22.91	22.84	22.91
5	1	12		22.91	22.83	22.81
5	1	24		22.86	22.81	22.83
5	12	0		21.90	21.81	21.93
5	12	7		21.87	21.84	21.88
5	12	13		21.87	21.75	21.87
5	25	0		21.86	21.74	21.87
5	1	0	16-QAM	22.13	22.15	22.29
5	1	12		22.31	22.21	22.17
5	1	24		22.10	22.02	22.15
5	12	0		20.96	20.85	20.93
5	12	7		20.94	20.84	20.88
5	12	13		20.89	20.81	20.87
5	25	0		20.95	20.77	20.90
5	1	0	64-QAM	21.08	21.02	21.00
5	1	12		21.10	20.97	20.92
5	1	24		21.20	20.97	20.99
5	12	0		19.95	19.82	19.94
5	12	7		19.99	19.86	19.99
5	12	13		19.94	19.76	19.90
5	25	0		19.86	19.81	19.87





LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.81	22.73	22.84
3	1	8		22.98	22.84	22.86
3	1	14		22.81	22.75	22.75
3	8	0		21.88	21.78	21.84
3	8	4		21.88	21.74	21.85
3	8	7		21.86	21.76	21.81
3	15	0		21.82	21.75	21.85
3	1	0	16-QAM	22.11	22.11	22.10
3	1	8		22.36	22.14	22.14
3	1	14		22.23	22.03	22.02
3	8	0		20.89	20.80	20.88
3	8	4		20.92	20.83	20.90
3	8	7		20.86	20.80	20.84
3	15	0		20.88	20.74	20.87
3	1	0	64-QAM	21.18	20.82	21.01
3	1	8		21.15	20.90	21.15
3	1	14		21.06	20.93	20.97
3	8	0		19.94	19.78	19.88
3	8	4		19.87	19.83	19.91
3	8	7		19.84	19.80	19.77
3	15	0		19.82	19.81	19.82
1.4	1	0	QPSK	22.83	22.67	22.71
1.4	1	3		22.83	22.71	22.79
1.4	1	5		22.80	22.62	22.72
1.4	3	0		22.85	22.68	22.78
1.4	3	1		22.89	22.74	22.80
1.4	3	3		22.84	22.71	22.79
1.4	6	0		21.77	21.66	21.72
1.4	1	0	16-QAM	22.08	22.10	21.90
1.4	1	3		22.15	22.00	22.11
1.4	1	5		22.16	21.88	21.96
1.4	3	0		21.83	21.75	21.81
1.4	3	1		21.83	21.72	21.83
1.4	3	3		21.86	21.72	21.86
1.4	6	0		20.86	20.65	20.83
1.4	1	0	64-QAM	20.98	20.95	20.87
1.4	1	3		21.01	20.89	21.00
1.4	1	5		20.83	20.77	20.98
1.4	3	0		20.88	20.87	20.83
1.4	3	1		20.86	20.91	20.91
1.4	3	3		20.96	20.78	20.94
1.4	6	0		19.76	19.61	19.79



## Appendix B. Test Results of ERP/EIRP and Radiated Test

### ERP/EIRP

LTE Band 2 / 1.4MHz (Average) (GT - LC = 1.75 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	1	22.33	0.1710	24.08	0.2559
Middle		3	1	22.21	0.1663	23.96	0.2489
Highest		3	1	22.36	0.1722	24.11	0.2576
Lowest	16QAM	1	3	21.61	0.1449	23.36	0.2168
Middle		1	3	21.42	0.1387	23.17	0.2075
Highest		1	3	21.60	0.1445	23.35	0.2163
Lowest	64QAM	1	3	20.53	0.1130	22.28	0.1690
Middle		1	3	20.38	0.1091	22.13	0.1633
Highest		1	3	20.50	0.1122	22.25	0.1679
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average) (GT - LC = 1.75 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	8	22.25	0.1679	24.00	0.2512
Middle		1	8	22.24	0.1675	23.99	0.2506
Highest		1	8	22.31	0.1702	24.06	0.2547
Lowest	16QAM	1	8	21.54	0.1426	23.29	0.2133
Middle		1	8	21.69	0.1476	23.44	0.2208
Highest		1	8	21.59	0.1442	23.34	0.2158
Lowest	64QAM	1	8	20.51	0.1125	22.26	0.1683
Middle		1	8	20.54	0.1132	22.29	0.1694
Highest		1	8	20.49	0.1119	22.24	0.1675
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average) (GT - LC = 1.75 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	24	22.22	0.1667	23.97	0.2495
Middle		1	24	22.21	0.1663	23.96	0.2489
Highest		1	24	22.46	0.1762	24.21	0.2636
Lowest	16QAM	1	0	21.56	0.1432	23.31	0.2143
Middle		1	0	21.51	0.1416	23.26	0.2118
Highest		1	0	21.76	0.1500	23.51	0.2244
Lowest	64QAM	1	0	20.48	0.1117	22.23	0.1671
Middle		1	0	20.39	0.1094	22.14	0.1637
Highest		1	0	20.61	0.1151	22.36	0.1722
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 10MHz (Average) (GT - LC = 1.75 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	22.21	0.1663	23.96	0.2489
Middle		1	25	22.30	0.1698	24.05	0.2541
Highest		1	25	22.39	0.1734	24.14	0.2594
Lowest	16QAM	1	0	21.59	0.1442	23.34	0.2158
Middle		1	0	21.42	0.1387	23.17	0.2075
Highest		1	0	21.65	0.1462	23.40	0.2188
Lowest	64QAM	1	49	20.32	0.1076	22.07	0.1611
Middle		1	49	20.52	0.1127	22.27	0.1687
Highest		1	49	20.42	0.1102	22.17	0.1648
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average) (GT - LC = 1.75 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.43	0.1750	24.18	0.2618
Middle		1	0	22.28	0.1690	24.03	0.2529
Highest		1	0	22.58	0.1811	24.33	0.2710
Lowest	16QAM	1	0	21.80	0.1514	23.55	0.2265
Middle		1	0	21.60	0.1445	23.35	0.2163
Highest		1	0	21.76	0.1500	23.51	0.2244
Lowest	64QAM	1	0	20.54	0.1132	22.29	0.1694
Middle		1	0	20.73	0.1183	22.48	0.1770
Highest		1	0	20.86	0.1219	22.61	0.1824
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average) (GT - LC = 1.75 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.42	0.1746	24.17	0.2612
Middle		1	0	22.36	0.1722	24.11	0.2576
Highest		1	0	22.62	0.1828	24.37	0.2735
Lowest	16QAM	1	0	21.87	0.1538	23.62	0.2301
Middle		1	0	21.60	0.1445	23.35	0.2163
Highest		1	0	21.95	0.1567	23.70	0.2344
Lowest	64QAM	1	0	20.64	0.1159	22.39	0.1734
Middle		1	0	20.48	0.1117	22.23	0.1671
Highest		1	0	20.77	0.1194	22.52	0.1786
Limit	EIRP < 2W			Result		PASS	



LTE Band 4 / 1.4MHz (Average) (GT - LC = -2.26 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	1	23.13	0.2056	20.87	0.1222
Middle		3	1	23.10	0.2042	20.84	0.1213
Highest		3	1	23.07	0.2028	20.81	0.1205
Lowest	16QAM	1	3	22.42	0.1746	20.16	0.1038
Middle		1	3	22.45	0.1758	20.19	0.1045
Highest		1	3	22.42	0.1746	20.16	0.1038
Lowest	64QAM	1	3	21.28	0.1343	19.02	0.0798
Middle		1	3	21.31	0.1352	19.05	0.0804
Highest		1	3	21.19	0.1315	18.93	0.0782
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average) (GT - LC = -2.26 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	8	23.06	0.2023	20.80	0.1202
Middle		1	8	23.18	0.2080	20.92	0.1236
Highest		1	8	23.14	0.2061	20.88	0.1225
Lowest	16QAM	1	0	22.36	0.1722	20.10	0.1023
Middle		1	0	22.49	0.1774	20.23	0.1054
Highest		1	0	22.37	0.1726	20.11	0.1026
Lowest	64QAM	1	0	21.25	0.1334	18.99	0.0793
Middle		1	0	21.26	0.1337	19.00	0.0794
Highest		1	0	21.12	0.1294	18.86	0.0769
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average) (GT - LC = -2.26 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.08	0.2032	20.82	0.1208
Middle		1	0	23.16	0.2070	20.90	0.1230
Highest		1	0	23.10	0.2042	20.84	0.1213
Lowest	16QAM	1	0	22.40	0.1738	20.14	0.1033
Middle		1	0	22.52	0.1786	20.26	0.1062
Highest		1	0	22.53	0.1791	20.27	0.1064
Lowest	64QAM	1	0	21.40	0.1380	19.14	0.0820
Middle		1	0	21.40	0.1380	19.14	0.0820
Highest		1	0	21.09	0.1285	18.83	0.0764
Limit	EIRP < 1W			Result		PASS	



LTE Band 4 / 10MHz (Average) (GT - LC = -2.26 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.17	0.2075	20.91	0.1233
Middle		1	0	23.22	0.2099	20.96	0.1247
Highest		1	0	23.12	0.2051	20.86	0.1219
Lowest	16QAM	1	49	22.58	0.1811	20.32	0.1076
Middle		1	49	22.34	0.1714	20.08	0.1019
Highest		1	49	22.46	0.1762	20.20	0.1047
Lowest	64QAM	1	0	21.40	0.1380	19.14	0.0820
Middle		1	0	21.46	0.1400	19.20	0.0832
Highest		1	0	21.36	0.1368	19.10	0.0813
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average) (GT - LC = -2.26 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.21	0.2094	20.95	0.1245
Middle		1	0	23.31	0.2143	21.05	0.1274
Highest		1	0	23.30	0.2138	21.04	0.1271
Lowest	16QAM	1	0	22.45	0.1758	20.19	0.1045
Middle		1	0	22.54	0.1795	20.28	0.1067
Highest		1	0	22.52	0.1786	20.26	0.1062
Lowest	64QAM	1	0	21.45	0.1396	19.19	0.0830
Middle		1	0	21.43	0.1390	19.17	0.0826
Highest		1	0	21.43	0.1390	19.17	0.0826
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average) (GT - LC = -2.26 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.29	0.2133	21.03	0.1268
Middle		1	0	23.38	0.2178	21.12	0.1294
Highest		1	0	23.30	0.2138	21.04	0.1271
Lowest	16QAM	1	0	22.61	0.1824	20.35	0.1084
Middle		1	0	22.69	0.1858	20.43	0.1104
Highest		1	0	22.70	0.1862	20.44	0.1107
Lowest	64QAM	1	0	21.47	0.1403	19.21	0.0834
Middle		1	0	21.68	0.1472	19.42	0.0875
Highest		1	0	21.42	0.1387	19.16	0.0824
Limit	EIRP < 1W			Result		PASS	



LTE Band 5 / 1.4MHz (Average) (GT - LC = 1.31 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	3	22.83	0.1919	21.99	0.1581
Middle		3	3	22.77	0.1892	21.93	0.1560
Highest		3	3	22.63	0.1832	21.79	0.1510
Lowest	16QAM	1	3	22.06	0.1607	21.22	0.1324
Middle		1	3	22.03	0.1596	21.19	0.1315
Highest		1	3	21.84	0.1528	21.00	0.1259
Lowest	64QAM	1	3	21.04	0.1271	20.20	0.1047
Middle		1	3	20.95	0.1245	20.11	0.1026
Highest		1	3	20.84	0.1213	20.00	0.1000
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average) (GT - LC = 1.31 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.82	0.1914	21.98	0.1578
Middle		1	0	22.72	0.1871	21.88	0.1542
Highest		1	0	22.68	0.1854	21.84	0.1528
Lowest	16QAM	1	8	22.07	0.1611	21.23	0.1327
Middle		1	8	22.24	0.1675	21.40	0.1380
Highest		1	8	22.08	0.1614	21.24	0.1330
Lowest	64QAM	1	8	20.99	0.1256	20.15	0.1035
Middle		1	8	21.05	0.1274	20.21	0.1050
Highest		1	8	20.92	0.1236	20.08	0.1019
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average) (GT - LC = 1.31 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.78	0.1897	21.94	0.1563
Middle		1	0	22.78	0.1897	21.94	0.1563
Highest		1	0	22.69	0.1858	21.85	0.1531
Lowest	16QAM	1	12	22.05	0.1603	21.21	0.1321
Middle		1	12	22.14	0.1637	21.30	0.1349
Highest		1	12	22.01	0.1589	21.17	0.1309
Lowest	64QAM	1	0	21.03	0.1268	20.19	0.1045
Middle		1	0	21.08	0.1282	20.24	0.1057
Highest		1	0	20.97	0.1250	20.13	0.1030
Limit	ERP < 7W			Result		PASS	



LTE Band 5 / 10MHz (Average) (GT - LC = 1.31 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.89	0.1945	22.05	0.1603
Middle		1	0	22.71	0.1866	21.87	0.1538
Highest		1	0	22.74	0.1879	21.90	0.1549
Lowest	16QAM	1	0	22.06	0.1607	21.22	0.1324
Middle		1	0	22.16	0.1644	21.32	0.1355
Highest		1	0	21.98	0.1578	21.14	0.1300
Lowest	64QAM	1	0	21.08	0.1282	20.24	0.1057
Middle		1	0	20.98	0.1253	20.14	0.1033
Highest		1	0	20.92	0.1236	20.08	0.1019
Limit	ERP < 7W			Result		PASS	



LTE Band 7 / 5MHz (Average) (GT - LC = 0.19 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	24	22.28	0.1690	22.47	0.1766
Middle		1	24	22.08	0.1614	22.27	0.1687
Highest		1	24	22.00	0.1585	22.19	0.1656
Lowest	16QAM	1	0	21.10	0.1288	21.29	0.1346
Middle		1	0	21.39	0.1377	21.58	0.1439
Highest		1	0	21.60	0.1445	21.79	0.1510
Lowest	64QAM	1	0	20.18	0.1042	20.37	0.1089
Middle		1	0	20.28	0.1067	20.47	0.1114
Highest		1	0	20.45	0.1109	20.64	0.1159
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz (Average) (GT - LC = 0.19 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.26	0.1683	22.45	0.1758
Middle		1	0	22.18	0.1652	22.37	0.1726
Highest		1	0	22.36	0.1722	22.55	0.1799
Lowest	16QAM	1	0	21.35	0.1365	21.54	0.1426
Middle		1	0	21.52	0.1419	21.71	0.1483
Highest		1	0	21.57	0.1435	21.76	0.1500
Lowest	64QAM	1	0	20.19	0.1045	20.38	0.1091
Middle		1	0	20.36	0.1086	20.55	0.1135
Highest		1	0	20.47	0.1114	20.66	0.1164
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 15MHz (Average) (GT - LC = 0.19 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.06	0.1607	22.25	0.1679
Middle		1	0	22.23	0.1671	22.42	0.1746
Highest		1	0	22.21	0.1663	22.40	0.1738
Lowest	16QAM	1	0	21.28	0.1343	21.47	0.1403
Middle		1	0	21.47	0.1403	21.66	0.1466
Highest		1	0	21.70	0.1479	21.89	0.1545
Lowest	64QAM	1	0	20.30	0.1072	20.49	0.1119
Middle		1	0	20.49	0.1119	20.68	0.1169
Highest		1	0	20.58	0.1143	20.77	0.1194
Limit	EIRP < 2W			Result		PASS	





LTE Band 7 / 20MHz (Average) (GT - LC = 0.19 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.89	0.1945	23.08	0.2032
Middle		1	0	22.71	0.1866	22.90	0.1950
Highest		1	0	22.74	0.1879	22.93	0.1963
Lowest	16QAM	1	0	22.06	0.1607	22.25	0.1679
Middle		1	0	22.16	0.1644	22.35	0.1718
Highest		1	0	21.98	0.1578	22.17	0.1648
Lowest	64QAM	1	0	21.08	0.1282	21.27	0.1340
Middle		1	0	20.98	0.1253	21.17	0.1309
Highest		1	0	20.92	0.1236	21.11	0.1291
Limit	EIRP < 2W			Result		PASS	



LTE Band 12 / 1.4MHz (Average) (GT - LC = -0.73 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	3	22.62	0.1828	19.74	0.0942
Middle		1	3	22.38	0.1730	19.50	0.0891
Highest		1	3	22.54	0.1795	19.66	0.0925
Lowest	16QAM	1	0	21.76	0.1500	18.88	0.0773
Middle		1	0	21.59	0.1442	18.71	0.0743
Highest		1	0	21.72	0.1486	18.84	0.0766
Lowest	64QAM	1	3	20.87	0.1222	17.99	0.0630
Middle		1	3	20.68	0.1169	17.80	0.0603
Highest		1	3	20.72	0.1180	17.84	0.0608
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 3MHz (Average) (GT - LC = -0.73 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	8	22.59	0.1816	19.71	0.0935
Middle		1	8	22.54	0.1795	19.66	0.0925
Highest		1	8	22.57	0.1807	19.69	0.0931
Lowest	16QAM	1	8	21.74	0.1493	18.86	0.0769
Middle		1	8	21.83	0.1524	18.95	0.0785
Highest		1	8	21.88	0.1542	19.00	0.0794
Lowest	64QAM	1	8	20.92	0.1236	18.04	0.0637
Middle		1	8	20.74	0.1186	17.86	0.0611
Highest		1	8	20.95	0.1245	18.07	0.0641
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 5MHz (Average) (GT - LC = -0.73 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.52	0.1786	19.64	0.0920
Middle		1	0	22.60	0.1820	19.72	0.0938
Highest		1	0	22.48	0.1770	19.60	0.0912
Lowest	16QAM	1	0	21.91	0.1552	19.03	0.0800
Middle		1	0	21.76	0.1500	18.88	0.0773
Highest		1	0	21.81	0.1517	18.93	0.0782
Lowest	64QAM	1	0	20.78	0.1197	17.90	0.0617
Middle		1	0	20.72	0.1180	17.84	0.0608
Highest		1	0	20.80	0.1202	17.92	0.0619
Limit	ERP < 3W			Result		PASS	



LTE Band 12 / 10MHz (Average) (GT - LC = -0.73 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.63	0.1832	19.75	0.0944
Middle		1	0	22.54	0.1795	19.66	0.0925
Highest		1	0	22.53	0.1791	19.65	0.0923
Lowest	16QAM	1	0	21.91	0.1552	19.03	0.0800
Middle		1	0	21.86	0.1535	18.98	0.0791
Highest		1	0	21.72	0.1486	18.84	0.0766
Lowest	64QAM	1	0	20.83	0.1211	17.95	0.0624
Middle		1	0	20.88	0.1225	18.00	0.0631
Highest		1	0	20.67	0.1167	17.79	0.0601
Limit	ERP < 3W			Result		PASS	



LTE Band 13 / 5MHz (Average) (GT - LC = 0.22 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.16	0.2070	21.23	0.1327
Middle		1	0	23.21	0.2094	21.28	0.1343
Highest		1	0	23.24	0.2109	21.31	0.1352
Lowest	16QAM	1	12	22.52	0.1786	20.59	0.1146
Middle		1	12	22.54	0.1795	20.61	0.1151
Highest		1	12	22.48	0.1770	20.55	0.1135
Lowest	64QAM	1	0	21.29	0.1346	19.36	0.0863
Middle		1	0	21.30	0.1349	19.37	0.0865
Highest		1	0	21.36	0.1368	19.43	0.0877
Limit	ERP < 3W			Result		PASS	

LTE Band 13 / 10MHz (Average) (GT - LC = 0.22 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	-	-	-	-	-	-
Middle		1	25	23.23	0.2104	21.30	0.1349
Highest		-	-	-	-	-	-
Lowest	16QAM	-	-	-	-	-	-
Middle		1	0	22.55	0.1799	20.62	0.1153
Highest		-	-	-	-	-	-
Lowest	64QAM	-	-	-	-	-	-
Middle		1	25	21.41	0.1384	19.48	0.0887
Highest		-	-	-	-	-	-
Limit	ERP < 3W			Result		PASS	



LTE Band 41 / 5MHz (Average) (GT - LC = -0.15 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.70	0.1479	21.55	0.1429
Middle		1	0	21.87	0.1538	21.72	0.1486
Highest		1	0	21.85	0.1531	21.70	0.1479
Lowest	16QAM	1	0	21.07	0.1279	20.92	0.1236
Middle		1	0	21.31	0.1352	21.16	0.1306
Highest		1	0	21.31	0.1352	21.16	0.1306
Lowest	64QAM	1	0	19.88	0.0973	19.73	0.0940
Middle		1	0	20.05	0.1012	19.90	0.0977
Highest		1	0	19.96	0.0991	19.81	0.0957
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 10MHz (Average) (GT - LC = -0.15 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.70	0.1479	21.55	0.1429
Middle		1	0	21.92	0.1556	21.77	0.1503
Highest		1	0	21.96	0.1570	21.81	0.1517
Lowest	16QAM	1	0	21.15	0.1303	21.00	0.1259
Middle		1	0	21.33	0.1358	21.18	0.1312
Highest		1	0	21.40	0.1380	21.25	0.1334
Lowest	64QAM	1	0	19.96	0.0991	19.81	0.0957
Middle		1	0	19.98	0.0995	19.83	0.0962
Highest		1	0	20.17	0.1040	20.02	0.1005
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 15MHz (Average) (GT - LC = -0.15 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.80	0.1514	21.65	0.1462
Middle		1	0	22.06	0.1607	21.91	0.1552
Highest		1	0	22.08	0.1614	21.93	0.1560
Lowest	16QAM	1	0	21.15	0.1303	21.00	0.1259
Middle		1	0	21.30	0.1349	21.15	0.1303
Highest		1	0	21.43	0.1390	21.28	0.1343
Lowest	64QAM	1	0	19.94	0.0986	19.79	0.0953
Middle		1	0	19.99	0.0998	19.84	0.0964
Highest		1	0	20.13	0.1030	19.98	0.0995
Limit	EIRP < 2W			Result		PASS	



LTE Band 41 / 20MHz (Average) (GT - LC = -0.15 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.77	0.1503	21.68	0.1472
Middle		1	0	21.97	0.1574	21.82	0.1521
Highest		1	0	22.15	0.1641	22.00	0.1585
Lowest	16QAM	1	0	21.28	0.1343	21.13	0.1297
Middle		1	0	21.40	0.1380	21.25	0.1334
Highest		1	0	21.65	0.1462	21.50	0.1413
Lowest	64QAM	1	0	19.99	0.0998	19.84	0.0964
Middle		1	0	20.11	0.1026	19.96	0.0991
Highest		1	0	20.29	0.1069	20.14	0.1033
Limit	EIRP < 2W			Result		PASS	



LTE Band 26 / 1.4MHz (Average) (GT - LC = 1.06 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	3	22.86	0.1932	21.77	0.1503
Middle		3	3	22.81	0.1910	21.72	0.1486
Highest		3	3	22.69	0.1858	21.60	0.1445
Lowest	16QAM	1	3	22.17	0.1648	21.08	0.1282
Middle		1	3	21.88	0.1542	20.79	0.1199
Highest		1	3	21.86	0.1535	20.77	0.1194
Lowest	64QAM	1	3	21.04	0.1271	19.95	0.0989
Middle		1	3	21.13	0.1297	20.04	0.1009
Highest		1	3	20.97	0.1250	19.88	0.0973
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 3MHz (Average) (GT - LC = 1.06 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	8	22.94	0.1968	21.85	0.1531
Middle		1	8	22.94	0.1968	21.85	0.1531
Highest		1	8	22.76	0.1888	21.67	0.1469
Lowest	16QAM	1	8	22.25	0.1679	21.16	0.1306
Middle		1	8	22.20	0.1660	21.11	0.1291
Highest		1	8	22.03	0.1596	20.94	0.1242
Lowest	64QAM	1	8	21.20	0.1318	20.11	0.1026
Middle		1	8	21.08	0.1282	19.99	0.0998
Highest		1	8	21.02	0.1265	19.93	0.0984
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 5MHz (Average) (GT - LC = 1.06 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.92	0.1959	21.83	0.1524
Middle		1	0	22.77	0.1892	21.68	0.1472
Highest		1	0	22.78	0.1897	21.69	0.1476
Lowest	16QAM	1	24	22.17	0.1648	21.08	0.1282
Middle		1	24	22.06	0.1607	20.97	0.1250
Highest		1	24	21.81	0.1517	20.72	0.1180
Lowest	64QAM	1	12	21.32	0.1355	20.23	0.1054
Middle		1	12	20.91	0.1233	19.82	0.0959
Highest		1	12	20.91	0.1233	19.82	0.0959
Limit	ERP < 7W			Result		PASS	



LTE Band 26 / 10MHz (Average) (GT - LC = 1.06 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	25	22.96	0.1977	21.87	0.1538
Middle		1	25	22.89	0.1945	21.80	0.1514
Highest		1	25	22.77	0.1892	21.68	0.1472
Lowest	16QAM	1	25	22.09	0.1618	21.00	0.1259
Middle		1	25	22.21	0.1663	21.12	0.1294
Highest		1	25	22.03	0.1596	20.94	0.1242
Lowest	64QAM	1	25	21.09	0.1285	20.00	0.1000
Middle		1	25	21.11	0.1291	20.02	0.1005
Highest		1	25	20.93	0.1239	19.84	0.0964
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 15MHz (Average) (GT - LC = 1.06 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.97	0.1982	21.88	0.1542
Middle		1	0	22.88	0.1941	21.79	0.1510
Highest		1	0	22.91	0.1954	21.82	0.1521
Lowest	16QAM	1	37	22.22	0.1667	21.13	0.1297
Middle		1	37	22.23	0.1671	21.14	0.1300
Highest		1	37	22.19	0.1656	21.10	0.1288
Lowest	64QAM	1	0	21.18	0.1312	20.09	0.1021
Middle		1	0	21.14	0.1300	20.05	0.1012
Highest		1	0	21.31	0.1352	20.22	0.1052
Limit	ERP < 7W			Result		PASS	





LTE Band 66 / 1.4MHz (Average) (GT - LC = -1.81 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	1	22.89	0.1945	21.08	0.1282
Middle		3	1	22.74	0.1879	20.93	0.1239
Highest		3	1	22.80	0.1905	20.99	0.1256
Lowest	16QAM	1	5	22.16	0.1644	20.35	0.1084
Middle		1	5	21.88	0.1542	20.07	0.1016
Highest		1	5	21.96	0.1570	20.15	0.1035
Lowest	64QAM	1	3	21.01	0.1262	19.20	0.0832
Middle		1	3	20.89	0.1227	19.08	0.0809
Highest		1	3	21.00	0.1259	19.19	0.0830
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 3MHz (Average) (GT - LC = -1.81 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	8	22.98	0.1986	21.17	0.1309
Middle		1	8	22.84	0.1923	21.03	0.1268
Highest		1	8	22.86	0.1932	21.05	0.1274
Lowest	16QAM	1	8	22.36	0.1722	20.55	0.1135
Middle		1	8	22.14	0.1637	20.33	0.1079
Highest		1	8	22.14	0.1637	20.33	0.1079
Lowest	64QAM	1	0	21.18	0.1312	19.37	0.0865
Middle		1	0	20.82	0.1208	19.01	0.0796
Highest		1	0	21.01	0.1262	19.20	0.0832
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 5MHz (Average) (GT - LC = -1.81 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.91	0.1954	21.10	0.1288
Middle		1	0	22.84	0.1923	21.03	0.1268
Highest		1	0	22.91	0.1954	21.10	0.1288
Lowest	16QAM	1	12	22.31	0.1702	20.50	0.1122
Middle		1	12	22.21	0.1663	20.40	0.1096
Highest		1	12	22.17	0.1648	20.36	0.1086
Lowest	64QAM	1	24	21.20	0.1318	19.39	0.0869
Middle		1	24	20.97	0.1250	19.16	0.0824
Highest		1	24	20.99	0.1256	19.18	0.0828
Limit	EIRP < 1W			Result		PASS	



LTE Band 66 / 10MHz (Average) (GT - LC = -1.81 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.97	0.1982	21.16	0.1306
Middle		1	0	22.95	0.1972	21.14	0.1300
Highest		1	0	23.01	0.2000	21.20	0.1318
Lowest	16QAM	1	0	22.22	0.1667	20.41	0.1099
Middle		1	0	22.20	0.1660	20.39	0.1094
Highest		1	0	22.28	0.1690	20.47	0.1114
Lowest	64QAM	1	0	21.19	0.1315	19.38	0.0867
Middle		1	0	20.97	0.1250	19.16	0.0824
Highest		1	0	21.06	0.1276	19.25	0.0841
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 15MHz (Average) (GT - LC = -1.81 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.11	0.2046	21.30	0.1349
Middle		1	0	23.00	0.1995	21.19	0.1315
Highest		1	0	22.99	0.1991	21.18	0.1312
Lowest	16QAM	1	0	22.32	0.1706	20.51	0.1125
Middle		1	0	22.22	0.1667	20.41	0.1099
Highest		1	0	22.31	0.1702	20.50	0.1122
Lowest	64QAM	1	0	21.41	0.1384	19.60	0.0912
Middle		1	0	21.10	0.1288	19.29	0.0849
Highest		1	0	21.18	0.1312	19.37	0.0865
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 20MHz (Average) (GT - LC = -1.81 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.08	0.2032	21.27	0.1340
Middle		1	0	23.12	0.2051	21.31	0.1352
Highest		1	0	23.00	0.1995	21.19	0.1315
Lowest	16QAM	1	0	22.41	0.1742	20.60	0.1148
Middle		1	0	22.36	0.1722	20.55	0.1135
Highest		1	0	22.21	0.1663	20.40	0.1096
Lowest	64QAM	1	0	21.15	0.1303	19.34	0.0859
Middle		1	0	21.32	0.1355	19.51	0.0893
Highest		1	0	21.22	0.1324	19.41	0.0873
Limit	EIRP < 1W			Result		PASS	



Radiated Spurious Emission

LTE Band 5

LTE Band 5 / 10MHz / QPSK									
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1649	-54.30	-13	-41.30	-65.34	-60.15	0.69	8.70	H
	2474	-50.55	-13	-37.55	-66.43	-58.22	0.95	10.76	H
	3298	-47.87	-13	-34.87	-65.94	-56.37	1.20	11.86	H
									H
									H
									H
	1649	-54.16	-13	-41.16	-65.08	-60.01	0.69	8.70	V
	2474	-51.00	-13	-38.00	-66.88	-58.67	0.95	10.76	V
	3298	-47.64	-13	-34.64	-65.55	-56.14	1.20	11.86	V
									V
									V
									V
Middle	1664	-54.18	-13	-41.18	-65.29	-60.08	0.70	8.76	H
	2496	-49.68	-13	-36.68	-65.55	-57.37	0.95	10.79	H
	3328	-48.57	-13	-35.57	-66.56	-57.13	1.21	11.92	H
									H
									H
									H
	1664	-53.75	-13	-40.75	-64.76	-59.65	0.70	8.76	V
	2496	-49.89	-13	-36.89	-65.71	-57.58	0.95	10.79	V
	3328	-49.24	-13	-36.24	-66.98	-57.80	1.21	11.92	V
									V
									V
									V



Highest	1679	-53.72	-13	-40.72	-64.9	-59.68	0.71	8.82	H
	2520	-50.42	-13	-37.42	-66.3	-58.13	0.96	10.82	H
	3360	-48.73	-13	-35.73	-66.64	-57.36	1.22	11.99	H
									H
									H
									H
									H
	1679	-53.47	-13	-40.47	-64.56	-59.43	0.71	8.82	V
	2520	-49.84	-13	-36.84	-65.83	-57.55	0.96	10.82	V
	3360	-49.27	-13	-36.27	-66.83	-57.90	1.22	11.99	V
									V
									V
									V
									V

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



**LTE Band 26**

LTE Band 5 / 10MHz / QPSK									
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1649	-52.89	-13	-39.89	-64.87	-58.74	0.69	8.70	H
	2474	-46.49	-13	-33.49	-63.08	-54.16	0.95	10.76	H
	3299	-47.93	-13	-34.93	-66.63	-56.44	1.20	11.86	H
									H
									H
									H
									H
	1649	-52.26	-13	-39.26	-64.7	-58.11	0.69	8.70	V
	2472	-37.78	-13	-24.78	-54.59	-45.44	0.95	10.76	V
	3299	-47.57	-13	-34.57	-66.68	-56.08	1.20	11.86	V
									V
									V
									V
									V
Middle	1656	-52.07	-13	-39.07	-64.1	-57.95	0.70	8.72	H
	2489	-47.97	-13	-34.97	-64.68	-55.66	0.95	10.78	H
	3319	-48.18	-13	-35.18	-66.83	-56.73	1.21	11.90	H
									H
									H
									H
									H
	1656	-52.42	-13	-39.42	-64.91	-58.30	0.70	8.72	V
	2489	-48.50	-13	-35.50	-65.32	-56.19	0.95	10.78	V
	3319	-47.82	-13	-34.82	-66.87	-56.37	1.21	11.90	V
									V
									V
									V
									V



Highest	1669	-53.15	-13	-40.15	-65.28	-59.07	0.70	8.78	H
	2504	-31.97	-13	-18.97	-48.73	-39.67	0.95	10.80	H
	3339	-47.59	-13	-34.59	-66.19	-56.17	1.21	11.95	H
									H
									H
									H
									H
	1669	-52.04	-13	-39.04	-64.64	-57.96	0.70	8.78	V
	2504	-32.93	-13	-19.93	-49.76	-40.63	0.95	10.80	V
	3339	-47.60	-13	-34.60	-66.59	-56.18	1.21	11.95	V
									V
									V
									V
									V

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



## LTE Band 2

LTE Band 2 / 20MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3700	-46.09	-13	-33.09	-66.57	-57.12	1.43	12.46	H
	5553	-43.62	-13	-30.62	-67.91	-54.90	2.01	13.29	H
	7404	-38.81	-13	-25.81	-66.82	-48.00	2.21	11.40	H
									H
									H
									H
									H
	3702	-46.37	-13	-33.37	-66.55	-57.40	1.43	12.46	V
	5555	-43.26	-13	-30.26	-67.75	-54.54	2.01	13.29	V
	7404	-39.63	-13	-26.63	-67.19	-48.82	2.21	11.40	V
									V
									V
									V
Middle	3742	-46.18	-13	-33.18	-66.77	-57.21	1.46	12.49	H
	5613	-43.34	-13	-30.34	-67.6	-54.62	2.00	13.28	H
	7484	-39.88	-13	-26.88	-67.89	-49.02	2.18	11.32	H
									H
									H
									H
									H
	3742	-46.73	-13	-33.73	-67.05	-57.76	1.46	12.49	V
	5613	-42.67	-13	-29.67	-67.42	-53.95	2.00	13.28	V
	7484	-38.95	-13	-25.95	-66.99	-48.09	2.18	11.32	V
									V
									V
									V
								V	



Highest	3784	-45.86	-13	-32.86	-66.56	-56.89	1.50	12.53	H
	5673	-43.00	-13	-30.00	-67.3	-54.27	2.00	13.27	H
	7564	-40.73	-13	-27.73	-68.27	-49.80	2.21	11.29	H
									H
									H
									H
									H
	3784	-46.06	-13	-33.06	-66.53	-57.09	1.50	12.53	V
	5673	-43.38	-13	-30.38	-67.96	-54.65	2.00	13.27	V
	7564	-40.22	-13	-27.22	-67.97	-49.29	2.21	11.29	V
									V
									V
									V
									V

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





### LTE Band 13

LTE Band 13 / 5MHz / QPSK										
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)	
Lowest	1563	-53.56	-42.15	-11.41	-64.66	-59.12	0.65	8.35	H	
	2344	-49.52	-13	-36.52	-65.78	-57.02	0.93	10.58	H	
	3128	-47.49	-13	-34.49	-65.61	-55.66	1.16	11.48	H	
										H
										H
										H
										H
	1563	-54.48	-42.15	-12.33	-65.33	-60.04	0.65	8.35	V	
	2344	-49.20	-13	-36.20	-65.57	-56.70	0.93	10.58	V	
	3128	-47.47	-13	-34.47	-65.51	-55.64	1.16	11.48	V	
										V
										V
										V
										V
Middle	1568	-53.90	-42.15	-11.75	-64.97	-59.47	0.65	8.37	H	
	2352	-50.16	-13	-37.16	-66.38	-57.67	0.93	10.59	H	
	3136	-48.02	-13	-35.02	-66.16	-56.21	1.16	11.50	H	
										H
										H
										H
										H
	1568	-54.29	-42.15	-12.14	-65.10	-59.86	0.65	8.37	V	
	2352	-49.12	-13	-36.12	-65.45	-56.63	0.93	10.59	V	
	3136	-48.60	-13	-35.60	-66.69	-56.79	1.16	11.50	V	
										V
										V
										V
										V



Highest	1576	-54.03	-42.15	-11.88	-65.03	-59.63	0.65	8.40	H
	2359	-50.06	-13	-37.06	-66.23	-57.58	0.93	10.60	H
	3146	-47.96	-13	-34.96	-66.14	-56.17	1.17	11.52	H
									H
									H
									H
									H
	1576	-54.50	-42.15	-12.35	-65.27	-60.10	0.65	8.40	V
	2359	-50.30	-13	-37.30	-66.59	-57.82	0.93	10.60	V
	3146	-47.84	-13	-34.84	-65.98	-56.05	1.17	11.52	V
									V
									V
									V
									V

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



LTE Band 13

LTE Band 13 / 10MHz / QPSK									
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1555	-54.10	-13	-41.10	-65.29	-59.63	0.64	8.32	H
	2332	-48.68	-13	-35.68	-65.03	-56.16	0.93	10.56	H
	3110	-47.81	-13	-34.81	-65.88	-55.95	1.16	11.44	H
									H
									H
									H
									H
	1555	-54.34	-13	-41.34	-65.23	-59.87	0.64	8.32	V
	2332	-49.49	-13	-36.49	-65.93	-56.97	0.93	10.56	V
	3110	-47.27	-13	-34.27	-65.21	-55.41	1.16	11.44	V
									V
									V
									V
									V

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



LTE Band 12

LTE Band 12 / 10MHz / QPSK									
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1400	-52.42	-13.00	-39.42	-64.61	-57.37	0.58	7.68	H
	2098	-50.36	-13.00	-37.36	-65.62	-57.55	0.90	10.24	H
	2798	-47.95	-13.00	-34.95	-64.70	-55.78	1.06	11.04	H
									H
									H
									H
									H
	1400	-53.15	-13.00	-40.15	-65.40	-58.10	0.58	7.68	V
	2098	-50.62	-13.00	-37.62	-65.86	-57.81	0.90	10.24	V
	2798	-48.24	-13.00	-35.24	-65.58	-56.07	1.06	11.04	V
									V
									V
									V
									V
Middle	1408	-52.49	-13.00	-39.49	-64.63	-57.47	0.58	7.71	H
	2109	-49.72	-13.00	-36.72	-65.20	-56.92	0.90	10.25	H
	2812	-48.47	-13.00	-35.47	-65.29	-56.31	1.06	11.05	H
									H
									H
									H
									H
	1408	-51.73	-13.00	-38.73	-63.89	-56.71	0.58	7.71	V
	2109	-50.36	-13.00	-37.36	-65.81	-57.56	0.90	10.25	V
	2812	-48.23	-13.00	-35.23	-65.58	-56.07	1.06	11.05	V
									V
									V
									V
									V



Highest	1416	-51.36	-13.00	-38.36	-63.45	-56.37	0.59	7.75	H
	2119	-49.52	-13.00	-36.52	-65.19	-56.73	0.90	10.27	H
	2826	-49.15	-13.00	-36.15	-66.04	-56.99	1.07	11.06	H
									H
									H
									H
									H
	1413	-52.83	-13.00	-39.83	-64.93	-57.83	0.59	7.73	V
	2119	-50.33	-13.00	-37.33	-65.97	-57.54	0.90	10.27	V
	2826	-48.81	-13.00	-35.81	-66.15	-56.65	1.07	11.06	V
									V
									V
									V
									V

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



### LTE Band 4

LTE Band 4 / 20MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3420	-47.71	-13	-34.71	-66.51	-58.60	1.23	12.12	H
	5133	-43.75	-13	-30.75	-67.69	-54.64	1.97	12.86	H
	6844	-41.99	-13	-28.99	-67.08	-50.95	2.34	11.30	H
									H
									H
									H
									H
	3420	-48.13	-13	-35.13	-66.53	-59.02	1.23	12.12	V
	5133	-44.12	-13	-31.12	-67.81	-55.01	1.97	12.86	V
	6844	-42.39	-13	-29.39	-67.35	-51.35	2.34	11.30	V
									V
									V
									V
									V
Middle	3448	-46.81	-13	-33.81	-65.9	-57.76	1.24	12.19	H
	5170	-43.42	-13	-30.42	-67.51	-54.35	1.97	12.90	H
	6894	-40.86	-13	-27.86	-66.42	-49.97	2.35	11.46	H
									H
									H
									H
									H
	3448	-48.46	-13	-35.46	-67.24	-59.41	1.24	12.19	V
	5170	-43.85	-13	-30.85	-67.58	-54.78	1.97	12.90	V
	5894	-41.05	-13	-28.05	-66.62	-52.29	1.98	13.22	V
									V
									V
									V
									V



Highest	3469	-46.79	-13	-33.79	-66.11	-57.78	1.24	12.23	H
	5208	-43.79	-13	-30.79	-68	-54.76	1.97	12.95	H
	6944	-40.60	-13	-27.60	-66.62	-49.86	2.36	11.62	H
									H
									H
									H
									H
	3469	-47.74	-13	-34.74	-66.81	-58.73	1.24	12.23	V
	5208	-44.17	-13	-31.17	-67.95	-55.14	1.97	12.95	V
	6944	-40.09	-13	-27.09	-66.27	-49.35	2.36	11.62	V
									V
									V
									V
									V

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



**LTE Band 66**

LTE Band 4 / 20MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3420	-47.54	-13	-34.54	-66.96	-58.43	1.23	12.12	H
	5133	-43.59	-13	-30.59	-67.93	-54.48	1.97	12.86	H
	6844	-39.24	-13	-26.24	-67.3	-48.20	2.34	11.30	H
									H
									H
									H
									H
	3420	-47.71	-13	-34.71	-67.5	-58.60	1.23	12.12	V
	5133	-42.01	-13	-29.01	-66.9	-52.90	1.97	12.86	V
	6844	-38.89	-13	-25.89	-67.31	-47.85	2.34	11.30	V
									V
									V
									V
									V
Middle	3469	-47.08	-13	-34.08	-66.94	-58.07	1.24	12.23	H
	5208	-43.04	-13	-30.04	-67.63	-54.01	1.97	12.95	H
	6944	-37.31	-13	-24.31	-65.67	-46.57	2.36	11.62	H
									H
									H
									H
									H
	3469	-46.89	-13	-33.89	-67.12	-57.88	1.24	12.23	V
	5208	-41.30	-13	-28.30	-66.37	-52.27	1.97	12.95	V
	6944	-37.50	-13	-24.50	-65.9	-46.76	2.36	11.62	V
									V
									V
									V
									V





Highest	3472	-47.13	-13	-34.13	-66.99	-58.13	1.24	12.24	H
	5208	-43.01	-13	-30.01	-67.6	-53.98	1.97	12.95	H
	6944	-37.20	-13	-24.20	-65.56	-46.46	2.36	11.62	H
									H
									H
									H
									H
	3472	-46.59	-13	-33.59	-66.86	-57.59	1.24	12.24	V
	5208	-42.43	-13	-29.43	-67.5	-53.40	1.97	12.95	V
	6944	-37.70	-13	-24.70	-66.1	-46.96	2.36	11.62	V
									V
									V
									V
									V

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



### LTE Band 7

LTE Band 7 / 20MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5004	-44.57	-25	-19.57	-67.98	-55.32	1.95	12.70	H
	7503	-39.84	-25	-14.84	-67.82	-48.97	2.17	11.30	H
	10008	-34.23	-25	-9.23	-66.58	-42.99	2.43	11.20	H
									H
									H
									H
									H
	5004	-44.13	-25	-19.13	-67.67	-54.88	1.95	12.70	V
	7503	-38.61	-25	-13.61	-66.72	-47.74	2.17	11.30	V
	10008	-34.19	-25	-9.19	-65.86	-42.95	2.43	11.20	V
									V
									V
									V
									V
Middle	5052	-43.36	-25	-18.36	-66.97	-54.17	1.96	12.76	H
	7578	-40.45	-25	-15.45	-67.9	-49.51	2.22	11.28	H
	10107	-34.09	-25	-9.09	-66.5	-42.77	2.47	11.16	H
									H
									H
									H
									H
	5058	-43.35	-25	-18.35	-66.95	-54.16	1.96	12.77	V
	7578	-40.05	-25	-15.05	-67.72	-49.11	2.22	11.28	V
	10107	-33.79	-25	-8.79	-65.62	-42.47	2.47	11.16	V
									V
									V
									V
									V



Highest	5100	-43.83	-25	-18.83	-67.64	-54.69	1.96	12.82	H
	7656	-38.96	-25	-13.96	-66.26	-47.95	2.28	11.27	H
	10206	-34.54	-25	-9.54	-67	-43.14	2.52	11.12	H
									H
									H
									H
									H
	5100	-44.26	-25	-19.26	-67.92	-55.12	1.96	12.82	V
	7656	-39.10	-25	-14.10	-66.59	-48.09	2.28	11.27	V
	10206	-34.79	-25	-9.79	-66.77	-43.39	2.52	11.12	V
									V
									V
									V
									V

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



### LTE Band 41

LTE Band 41 / 20MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	4992	-44.01	-25	-19.01	-67.41	-54.76	1.95	12.70	H
	7488	-37.58	-25	-12.58	-65.58	-46.72	2.17	11.31	H
	9990	-33.50	-25	-8.50	-65.83	-42.28	2.43	11.21	H
									H
									H
									H
									H
	4992	-44.36	-25	-19.36	-67.89	-55.11	1.95	12.70	V
	7488	-38.74	-25	-13.74	-66.8	-47.88	2.17	11.31	V
	9990	-34.95	-25	-9.95	-66.61	-43.73	2.43	11.21	V
									V
									V
									V
									V
Middle	5166	-43.47	-25	-18.47	-67.55	-54.40	1.97	12.90	H
	7752	-39.74	-25	-14.74	-67.07	-48.64	2.35	11.25	H
	10332	-33.18	-25	-8.18	-65.72	-41.68	2.57	11.07	H
									H
									H
									H
									H
	5166	-43.30	-25	-18.30	-67.03	-54.23	1.97	12.90	V
	7752	-38.64	-25	-13.64	-66.08	-47.54	2.35	11.25	V
	10332	-33.87	-25	-8.87	-66.06	-42.37	2.57	11.07	V
									V
									V
									V
									V



Highest	5340	-42.99	-25	-17.99	-67.18	-54.11	1.99	13.11	H
	8016	-36.18	-25	-11.18	-65.13	-44.86	2.52	11.19	H
	10683	-32.68	-25	-7.68	-65.39	-41.02	2.63	10.96	H
									H
									H
									H
									H
	5340	-43.08	-25	-18.08	-67.21	-54.20	1.99	13.11	V
	8016	-36.92	-25	-11.92	-65.71	-45.60	2.52	11.19	V
	10683	-33.43	-25	-8.43	-66.29	-41.77	2.63	10.96	V
									V
									V
									V
									V

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