



# 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 Dec. 08, 2020 and testing was started from Dec. 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
FG0D1135-01B	01	Initial issue of report	Dec. 28, 2020
FG0D1135-01B	02	1. Revise Accessories Information for Host 2. Revise Antenna gain 3. Update Conducted power and ERP/EIRP	Jan. 07, 2021
FG0D1135-01B	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	Not Required	-
-	§2.1049	Occupied Bandwidth	Not Required	-
-	§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)	Not Required	-
	§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)	Not Required	-
	§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	Not Required	-



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 2.35 dB at 12510.000 MHz
	§2.1051 §27.53 (m)(4)	Radiated Spurious Emission (Band 7) (Band 41)		

Note:

1. Not required means after assessing, test items are not necessary to carry out.
2. This is a variant report by adding External antenna for Vehicle dock. All the test cases were performed on original report which can be referred to Sporton Report Number FG0D1135B. 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 / External Antenna GNSS : PIFA Antenna / External Antenna
Antenna Gain for Host	<p><b>&lt;Loop Antenna&gt;</b>            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</p> <p><b>&lt;External Antenna&gt;</b>            LTE Band 2: 4.1 dBi            LTE Band 4: 4.1 dBi            LTE Band 5: 1.4 dBi            LTE Band 7: 4.1 dBi            LTE Band 12: 1.4 dBi            LTE Band 13 : 1.4 dBi            LTE Band 26 : 1.4 dBi            LTE Band 41 : 4.1 dBi            LTE Band 66 : 4.1 dBi</p>

**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
Dual pass Antenna (External Antenna for Vehicle dock)	Brand Name	Airgain
	Model Name	AP-PAN-MMF-C-Q-BL
Vehicle dock	Brand Name	Gamber-Johnson LLC
	Model Name	7160-1314-02

### 1.2 Modification of EUT

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

### 1.3 Testing Location

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

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory	
Test Site Location	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	
Test Site No.	<b>Sporton Site No.</b>	
	03CH15-HY	
Test Engineer	Leo Lee, Mancy Chou and Bigshow Wang	
Temperature	22.7~23.2°C	
Relative Humidity	49~53%	

**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

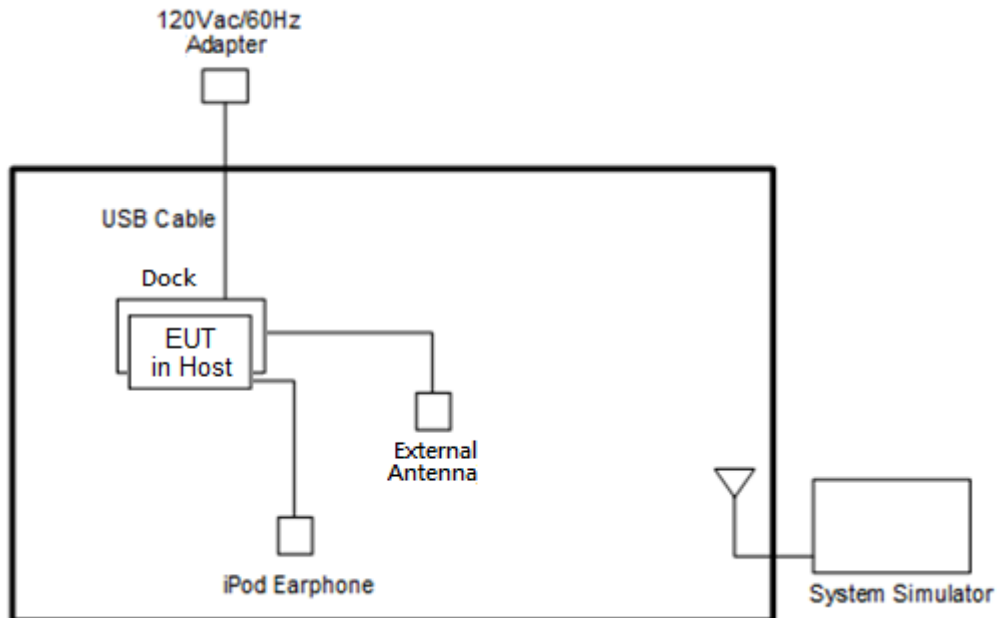
Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power.

For radiated measurement, pre-scanned in two Ant. degrees (0 or 90). The worst cases (Degree 0 for LTE Band 26 and Degree 90 for LTE Band 2, 4, 5, 7, 12, 13, 41, 66) 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 External Antenna, 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, 1.0 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



<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



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

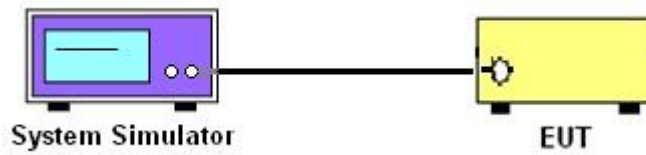
### 3 Conducted Test Items

#### 3.1 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

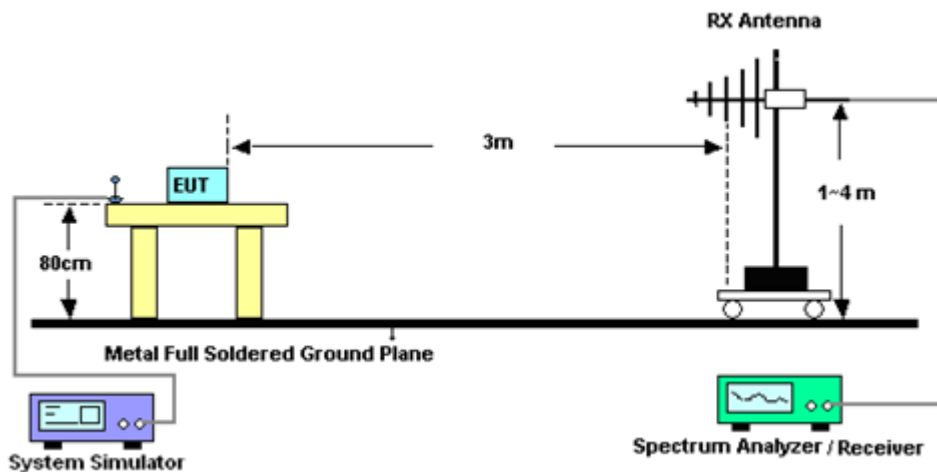
See list of measuring instruments of this test report.

#### 4.1.1 Test Setup

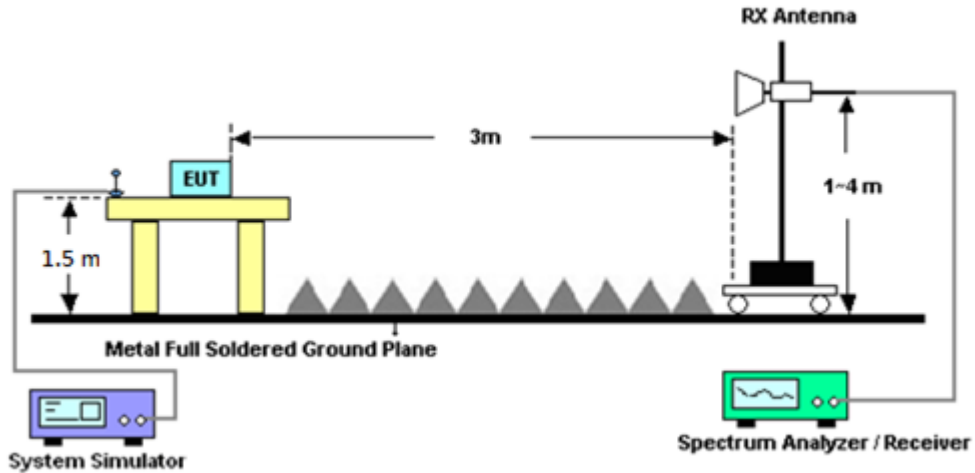
For radiated test below 30MHz



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 (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain

ERP (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	Dec. 16, 2020~ Jan. 06, 2021	Sep. 08, 2021	Conducted (TH05-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	37059 & 01	30MHz~1GHz	Oct. 11, 2020	Dec. 11, 2020~ Dec. 17, 2020	Oct. 10, 2021	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL6111D&00800N1D01N-06	41912&05	30MHz to 1GHz	Feb. 09, 2020	Dec. 11, 2020~ Dec. 17, 2020	Feb. 08, 2021	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 27, 2019	Dec. 11, 2020~ Dec. 17, 2020	Dec. 26, 2020	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02114	1-18GHz	Aug. 04, 2020	Dec. 11, 2020~ Dec. 17, 2020	Aug. 03, 2021	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1326	1GHz~18GHz	Nov. 03, 2020	Dec. 11, 2020~ Dec. 17, 2020	Nov. 02, 2021	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz- 40GHz	Dec. 02, 2020	Dec. 11, 2020~ Dec. 17, 2020	Dec. 01, 2021	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz~40GHz	May 22, 2020	Dec. 11, 2020~ Dec. 17, 2020	May 21, 2021	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-303	1710001800055006	1GHz~18GHz	May 07, 2020	Dec. 11, 2020~ Dec. 17, 2020	May 06, 2021	Radiation (03CH15-HY)
Preamplifier	Keysight	83017A	MY53270195	1GHz~26.5GHz	Aug. 21, 2020	Dec. 11, 2020~ Dec. 17, 2020	Aug. 20, 2021	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz ~ 40GHz	Jun. 15, 2020	Dec. 11, 2020~ Dec. 17, 2020	Jun. 14, 2021	Radiation (03CH15-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200485	10Hz~44GHz	Feb. 10, 2020	Dec. 11, 2020~ Dec. 17, 2020	Feb. 09, 2021	Radiation (03CH15-HY)
Spectrum Analyzer	Agilent	E4446A	MY50180136	3Hz~44GHz	May 04, 2020	Dec. 11, 2020~ Dec. 17, 2020	May 03, 2021	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Dec. 11, 2020~ Dec. 17, 2020	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Dec. 11, 2020~ Dec. 17, 2020	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24(k5)	RK-000451	N/A	N/A	Dec. 11, 2020~ Dec. 17, 2020	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY36980/4, MY9838/4PE, 508405/2E	30MHz~18G	Nov. 16, 2020	Dec. 11, 2020~ Dec. 17, 2020	Nov. 15, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz-40GHz	Feb. 25, 2020	Dec. 11, 2020~ Dec. 17, 2020	Feb. 24, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	800740/2	30MHz-40GHz	Feb. 25, 2020	Dec. 11, 2020~ Dec. 17, 2020	Feb. 24, 2021	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 12, 2020	Dec. 11, 2020~ Dec. 17, 2020	Mar. 11, 2021	Radiation (03CH15-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN4	1.53G Low Pass	Jul. 03, 2020	Dec. 11, 2020~ Dec. 17, 2020	Jul. 02, 2021	Radiation (03CH15-HY)
Filter	Wainwright	WHKX12-1080-1200-15000-60ST	SN5	1.2GHz High Pass Filter	Jul. 01, 2020	Dec. 11, 2020~ Dec. 17, 2020	Jun. 30, 2021	Radiation (03CH15-HY)
Filter	Wainwright	WHKX12-2700-3000-18000-60ST	SN4	3GHz High Pass Filter	Sep. 16, 2020	Dec. 11, 2020~ Dec. 17, 2020	Sep. 15, 2021	Radiation (03CH15-HY)
Signal Generator	Anritsu	MG3694C	163401	0.1Hz~40GHz	Feb. 15, 2020	Dec. 11, 2020~ Dec. 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	<b>22.62</b>
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 = 4.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	1	22.33	0.1710	26.43	0.4395
Middle		3	1	22.21	0.1663	26.31	0.4276
Highest		3	1	22.36	0.1722	26.46	0.4426
Lowest	16QAM	1	3	21.61	0.1449	25.71	0.3724
Middle		1	3	21.42	0.1387	25.52	0.3565
Highest		1	3	21.60	0.1445	25.70	0.3715
Lowest	64QAM	1	3	20.53	0.1130	24.63	0.2904
Middle		1	3	20.38	0.1091	24.48	0.2805
Highest		1	3	20.50	0.1122	24.60	0.2884
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average) (GT - LC = 4.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	8	22.25	0.1679	26.35	0.4315
Middle		1	8	22.24	0.1675	26.34	0.4305
Highest		1	8	22.31	0.1702	26.41	0.4375
Lowest	16QAM	1	8	21.54	0.1426	25.64	0.3664
Middle		1	8	21.69	0.1476	25.79	0.3793
Highest		1	8	21.59	0.1442	25.69	0.3707
Lowest	64QAM	1	8	20.51	0.1125	24.61	0.2891
Middle		1	8	20.54	0.1132	24.64	0.2911
Highest		1	8	20.49	0.1119	24.59	0.2877
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average) (GT - LC = 4.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	24	22.22	0.1667	26.32	0.4285
Middle		1	24	22.21	0.1663	26.31	0.4276
Highest		1	24	22.46	0.1762	26.56	0.4529
Lowest	16QAM	1	0	21.56	0.1432	25.66	0.3681
Middle		1	0	21.51	0.1416	25.61	0.3639
Highest		1	0	21.76	0.1500	25.86	0.3855
Lowest	64QAM	1	0	20.48	0.1117	24.58	0.2871
Middle		1	0	20.39	0.1094	24.49	0.2812
Highest		1	0	20.61	0.1151	24.71	0.2958
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 10MHz (Average) (GT - LC = 4.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	22.21	0.1663	26.31	0.4276
Middle		1	25	22.30	0.1698	26.40	0.4365
Highest		1	25	22.39	0.1734	26.49	0.4457
Lowest	16QAM	1	0	21.59	0.1442	25.69	0.3707
Middle		1	0	21.42	0.1387	25.52	0.3565
Highest		1	0	21.65	0.1462	25.75	0.3758
Lowest	64QAM	1	49	20.32	0.1076	24.42	0.2767
Middle		1	49	20.52	0.1127	24.62	0.2897
Highest		1	49	20.42	0.1102	24.52	0.2831
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average) (GT - LC = 4.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.43	0.1750	26.53	0.4498
Middle		1	0	22.28	0.1690	26.38	0.4345
Highest		1	0	22.58	0.1811	26.68	0.4656
Lowest	16QAM	1	0	21.80	0.1514	25.90	0.3890
Middle		1	0	21.60	0.1445	25.70	0.3715
Highest		1	0	21.76	0.1500	25.86	0.3855
Lowest	64QAM	1	0	20.54	0.1132	24.64	0.2911
Middle		1	0	20.73	0.1183	24.83	0.3041
Highest		1	0	20.86	0.1219	24.96	0.3133
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average) (GT - LC = 4.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.42	0.1746	26.52	0.4487
Middle		1	0	22.36	0.1722	26.46	0.4426
Highest		1	0	22.62	0.1828	26.72	0.4699
Lowest	16QAM	1	0	21.87	0.1538	25.97	0.3954
Middle		1	0	21.60	0.1445	25.70	0.3715
Highest		1	0	21.95	0.1567	26.05	0.4027
Lowest	64QAM	1	0	20.64	0.1159	24.74	0.2979
Middle		1	0	20.48	0.1117	24.58	0.2871
Highest		1	0	20.77	0.1194	24.87	0.3069
Limit	EIRP < 2W			Result		PASS	



LTE Band 4 / 1.4MHz (Average) (GT - LC = 4.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	1	23.13	0.2056	27.23	0.5284
Middle		3	1	23.10	0.2042	27.20	0.5248
Highest		3	1	23.07	0.2028	27.17	0.5212
Lowest	16QAM	1	3	22.42	0.1746	26.52	0.4487
Middle		1	3	22.45	0.1758	26.55	0.4519
Highest		1	3	22.42	0.1746	26.52	0.4487
Lowest	64QAM	1	3	21.28	0.1343	25.38	0.3451
Middle		1	3	21.31	0.1352	25.41	0.3475
Highest		1	3	21.19	0.1315	25.29	0.3381
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average) (GT - LC = 4.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	8	23.06	0.2023	27.16	0.5200
Middle		1	8	23.18	0.2080	27.28	0.5346
Highest		1	8	23.14	0.2061	27.24	0.5297
Lowest	16QAM	1	0	22.36	0.1722	26.46	0.4426
Middle		1	0	22.49	0.1774	26.59	0.4560
Highest		1	0	22.37	0.1726	26.47	0.4436
Lowest	64QAM	1	0	21.25	0.1334	25.35	0.3428
Middle		1	0	21.26	0.1337	25.36	0.3436
Highest		1	0	21.12	0.1294	25.22	0.3327
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average) (GT - LC = 4.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.08	0.2032	27.18	0.5224
Middle		1	0	23.16	0.2070	27.26	0.5321
Highest		1	0	23.10	0.2042	27.20	0.5248
Lowest	16QAM	1	0	22.40	0.1738	26.50	0.4467
Middle		1	0	22.52	0.1786	26.62	0.4592
Highest		1	0	22.53	0.1791	26.63	0.4603
Lowest	64QAM	1	0	21.40	0.1380	25.50	0.3548
Middle		1	0	21.40	0.1380	25.50	0.3548
Highest		1	0	21.09	0.1285	25.19	0.3304
Limit	EIRP < 1W			Result		PASS	



LTE Band 4 / 10MHz (Average) (GT - LC = 4.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.17	0.2075	27.27	0.5333
Middle		1	0	23.22	0.2099	27.32	0.5395
Highest		1	0	23.12	0.2051	27.22	0.5272
Lowest	16QAM	1	49	22.58	0.1811	26.68	0.4656
Middle		1	49	22.34	0.1714	26.44	0.4406
Highest		1	49	22.46	0.1762	26.56	0.4529
Lowest	64QAM	1	0	21.40	0.1380	25.50	0.3548
Middle		1	0	21.46	0.1400	25.56	0.3597
Highest		1	0	21.36	0.1368	25.46	0.3516
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average) (GT - LC = 4.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.21	0.2094	27.31	0.5383
Middle		1	0	23.31	0.2143	27.41	0.5508
Highest		1	0	23.30	0.2138	27.40	0.5495
Lowest	16QAM	1	0	22.45	0.1758	26.55	0.4519
Middle		1	0	22.54	0.1795	26.64	0.4613
Highest		1	0	22.52	0.1786	26.62	0.4592
Lowest	64QAM	1	0	21.45	0.1396	25.55	0.3589
Middle		1	0	21.43	0.1390	25.53	0.3573
Highest		1	0	21.43	0.1390	25.53	0.3573
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average) (GT - LC = 4.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.29	0.2133	27.39	0.5483
Middle		1	0	23.38	0.2178	27.48	0.5598
Highest		1	0	23.30	0.2138	27.40	0.5495
Lowest	16QAM	1	0	22.61	0.1824	26.71	0.4688
Middle		1	0	22.69	0.1858	26.79	0.4775
Highest		1	0	22.70	0.1862	26.80	0.4786
Lowest	64QAM	1	0	21.47	0.1403	25.57	0.3606
Middle		1	0	21.68	0.1472	25.78	0.3784
Highest		1	0	21.42	0.1387	25.52	0.3565
Limit	EIRP < 1W			Result		PASS	



LTE Band 5 / 1.4MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	3	22.83	0.1919	22.08	0.1614
Middle		3	3	22.77	0.1892	22.02	0.1592
Highest		3	3	22.63	0.1832	21.88	0.1542
Lowest	16QAM	1	3	22.06	0.1607	21.31	0.1352
Middle		1	3	22.03	0.1596	21.28	0.1343
Highest		1	3	21.84	0.1528	21.09	0.1285
Lowest	64QAM	1	3	21.04	0.1271	20.29	0.1069
Middle		1	3	20.95	0.1245	20.20	0.1047
Highest		1	3	20.84	0.1213	20.09	0.1021
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.82	0.1914	22.07	0.1611
Middle		1	0	22.72	0.1871	21.97	0.1574
Highest		1	0	22.68	0.1854	21.93	0.1560
Lowest	16QAM	1	8	22.07	0.1611	21.32	0.1355
Middle		1	8	22.24	0.1675	21.49	0.1409
Highest		1	8	22.08	0.1614	21.33	0.1358
Lowest	64QAM	1	8	20.99	0.1256	20.24	0.1057
Middle		1	8	21.05	0.1274	20.30	0.1072
Highest		1	8	20.92	0.1236	20.17	0.1040
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.78	0.1897	22.03	0.1596
Middle		1	0	22.78	0.1897	22.03	0.1596
Highest		1	0	22.69	0.1858	21.94	0.1563
Lowest	16QAM	1	12	22.05	0.1603	21.30	0.1349
Middle		1	12	22.14	0.1637	21.39	0.1377
Highest		1	12	22.01	0.1589	21.26	0.1337
Lowest	64QAM	1	0	21.03	0.1268	20.28	0.1067
Middle		1	0	21.08	0.1282	20.33	0.1079
Highest		1	0	20.97	0.1250	20.22	0.1052
Limit	ERP < 7W			Result		PASS	



LTE Band 5 / 10MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.89	0.1945	22.14	0.1637
Middle		1	0	22.71	0.1866	21.96	0.1570
Highest		1	0	22.74	0.1879	21.99	0.1581
Lowest	16QAM	1	0	22.06	0.1607	21.31	0.1352
Middle		1	0	22.16	0.1644	21.41	0.1384
Highest		1	0	21.98	0.1578	21.23	0.1327
Lowest	64QAM	1	0	21.08	0.1282	20.33	0.1079
Middle		1	0	20.98	0.1253	20.23	0.1054
Highest		1	0	20.92	0.1236	20.17	0.1040
Limit	ERP < 7W			Result		PASS	





LTE Band 7 / 5MHz (Average) (GT - LC = 4.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	24	22.28	0.1690	26.38	0.4345
Middle		1	24	22.08	0.1614	26.18	0.4150
Highest		1	24	22.00	0.1585	26.10	0.4074
Lowest	16QAM	1	0	21.10	0.1288	25.20	0.3311
Middle		1	0	21.39	0.1377	25.49	0.3540
Highest		1	0	21.60	0.1445	25.70	0.3715
Lowest	64QAM	1	0	20.18	0.1042	24.28	0.2679
Middle		1	0	20.28	0.1067	24.38	0.2742
Highest		1	0	20.45	0.1109	24.55	0.2851
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz (Average) (GT - LC = 4.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.26	0.1683	26.36	0.4325
Middle		1	0	22.18	0.1652	26.28	0.4246
Highest		1	0	22.36	0.1722	26.46	0.4426
Lowest	16QAM	1	0	21.35	0.1365	25.45	0.3508
Middle		1	0	21.52	0.1419	25.62	0.3648
Highest		1	0	21.57	0.1435	25.67	0.3690
Lowest	64QAM	1	0	20.19	0.1045	24.29	0.2685
Middle		1	0	20.36	0.1086	24.46	0.2793
Highest		1	0	20.47	0.1114	24.57	0.2864
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 15MHz (Average) (GT - LC = 4.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.06	0.1607	26.16	0.4130
Middle		1	0	22.23	0.1671	26.33	0.4295
Highest		1	0	22.21	0.1663	26.31	0.4276
Lowest	16QAM	1	0	21.28	0.1343	25.38	0.3451
Middle		1	0	21.47	0.1403	25.57	0.3606
Highest		1	0	21.70	0.1479	25.80	0.3802
Lowest	64QAM	1	0	20.30	0.1072	24.40	0.2754
Middle		1	0	20.49	0.1119	24.59	0.2877
Highest		1	0	20.58	0.1143	24.68	0.2938
Limit	EIRP < 2W			Result		PASS	



LTE Band 7 / 20MHz (Average) (GT - LC = 4.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.89	0.1945	26.99	0.5000
Middle		1	0	22.71	0.1866	26.81	0.4797
Highest		1	0	22.74	0.1879	26.84	0.4831
Lowest	16QAM	1	0	22.06	0.1607	26.16	0.4130
Middle		1	0	22.16	0.1644	26.26	0.4227
Highest		1	0	21.98	0.1578	26.08	0.4055
Lowest	64QAM	1	0	21.08	0.1282	25.18	0.3296
Middle		1	0	20.98	0.1253	25.08	0.3221
Highest		1	0	20.92	0.1236	25.02	0.3177
Limit	EIRP < 2W			Result		PASS	



LTE Band 12 / 1.4MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	3	22.62	0.1828	21.87	0.1538
Middle		1	3	22.38	0.1730	21.63	0.1455
Highest		1	3	22.54	0.1795	21.79	0.1510
Lowest	16QAM	1	0	21.76	0.1500	21.01	0.1262
Middle		1	0	21.59	0.1442	20.84	0.1213
Highest		1	0	21.72	0.1486	20.97	0.1250
Lowest	64QAM	1	3	20.87	0.1222	20.12	0.1028
Middle		1	3	20.68	0.1169	19.93	0.0984
Highest		1	3	20.72	0.1180	19.97	0.0993
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 3MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	8	22.59	0.1816	21.84	0.1528
Middle		1	8	22.54	0.1795	21.79	0.1510
Highest		1	8	22.57	0.1807	21.82	0.1521
Lowest	16QAM	1	8	21.74	0.1493	20.99	0.1256
Middle		1	8	21.83	0.1524	21.08	0.1282
Highest		1	8	21.88	0.1542	21.13	0.1297
Lowest	64QAM	1	8	20.92	0.1236	20.17	0.1040
Middle		1	8	20.74	0.1186	19.99	0.0998
Highest		1	8	20.95	0.1245	20.20	0.1047
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 5MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.52	0.1786	21.77	0.1503
Middle		1	0	22.60	0.1820	21.85	0.1531
Highest		1	0	22.48	0.1770	21.73	0.1489
Lowest	16QAM	1	0	21.91	0.1552	21.16	0.1306
Middle		1	0	21.76	0.1500	21.01	0.1262
Highest		1	0	21.81	0.1517	21.06	0.1276
Lowest	64QAM	1	0	20.78	0.1197	20.03	0.1007
Middle		1	0	20.72	0.1180	19.97	0.0993
Highest		1	0	20.80	0.1202	20.05	0.1012
Limit	ERP < 3W			Result		PASS	



LTE Band 12 / 10MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.63	0.1832	21.88	0.1542
Middle		1	0	22.54	0.1795	21.79	0.1510
Highest		1	0	22.53	0.1791	21.78	0.1507
Lowest	16QAM	1	0	21.91	0.1552	21.16	0.1306
Middle		1	0	21.86	0.1535	21.11	0.1291
Highest		1	0	21.72	0.1486	20.97	0.1250
Lowest	64QAM	1	0	20.83	0.1211	20.08	0.1019
Middle		1	0	20.88	0.1225	20.13	0.1030
Highest		1	0	20.67	0.1167	19.92	0.0982
Limit	ERP < 3W			Result		PASS	



LTE Band 13 / 5MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.16	0.2070	22.41	0.1742
Middle		1	0	23.21	0.2094	22.46	0.1762
Highest		1	0	23.24	0.2109	22.49	0.1774
Lowest	16QAM	1	12	22.52	0.1786	21.77	0.1503
Middle		1	12	22.54	0.1795	21.79	0.1510
Highest		1	12	22.48	0.1770	21.73	0.1489
Lowest	64QAM	1	0	21.29	0.1346	20.54	0.1132
Middle		1	0	21.30	0.1349	20.55	0.1135
Highest		1	0	21.36	0.1368	20.61	0.1151
Limit	ERP < 3W			Result		PASS	

LTE Band 13 / 10MHz (Average) (GT - LC = 1.4 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	22.48	0.1770
Highest		-	-	-	-	-	-
Lowest	16QAM	-	-	-	-	-	-
Middle		1	0	22.55	0.1799	21.80	0.1514
Highest		-	-	-	-	-	-
Lowest	64QAM	-	-	-	-	-	-
Middle		1	25	21.41	0.1384	20.66	0.1164
Highest		-	-	-	-	-	-
Limit	ERP < 3W			Result		PASS	



LTE Band 41 / 5MHz (Average) (GT - LC = 4.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.70	0.1479	25.80	0.3802
Middle		1	0	21.87	0.1538	25.97	0.3954
Highest		1	0	21.85	0.1531	25.95	0.3936
Lowest	16QAM	1	0	21.07	0.1279	25.17	0.3289
Middle		1	0	21.31	0.1352	25.41	0.3475
Highest		1	0	21.31	0.1352	25.41	0.3475
Lowest	64QAM	1	0	19.88	0.0973	23.98	0.2500
Middle		1	0	20.05	0.1012	24.15	0.2600
Highest		1	0	19.96	0.0991	24.06	0.2547
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 10MHz (Average) (GT - LC = 4.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.70	0.1479	25.80	0.3802
Middle		1	0	21.92	0.1556	26.02	0.3999
Highest		1	0	21.96	0.1570	26.06	0.4036
Lowest	16QAM	1	0	21.15	0.1303	25.25	0.3350
Middle		1	0	21.33	0.1358	25.43	0.3491
Highest		1	0	21.40	0.1380	25.50	0.3548
Lowest	64QAM	1	0	19.96	0.0991	24.06	0.2547
Middle		1	0	19.98	0.0995	24.08	0.2559
Highest		1	0	20.17	0.1040	24.27	0.2673
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 15MHz (Average) (GT - LC = 4.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.80	0.1514	25.90	0.3890
Middle		1	0	22.06	0.1607	26.16	0.4130
Highest		1	0	22.08	0.1614	26.18	0.4150
Lowest	16QAM	1	0	21.15	0.1303	25.25	0.3350
Middle		1	0	21.30	0.1349	25.40	0.3467
Highest		1	0	21.43	0.1390	25.53	0.3573
Lowest	64QAM	1	0	19.94	0.0986	24.04	0.2535
Middle		1	0	19.99	0.0998	24.09	0.2564
Highest		1	0	20.13	0.1030	24.23	0.2649
Limit	EIRP < 2W			Result		PASS	



LTE Band 41 / 20MHz (Average) (GT - LC = 4.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.77	0.1503	25.93	0.3917
Middle		1	0	21.97	0.1574	26.07	0.4046
Highest		1	0	22.15	0.1641	26.25	0.4217
Lowest	16QAM	1	0	21.28	0.1343	25.38	0.3451
Middle		1	0	21.40	0.1380	25.50	0.3548
Highest		1	0	21.65	0.1462	25.75	0.3758
Lowest	64QAM	1	0	19.99	0.0998	24.09	0.2564
Middle		1	0	20.11	0.1026	24.21	0.2636
Highest		1	0	20.29	0.1069	24.39	0.2748
Limit	EIRP < 2W			Result		PASS	



LTE Band 26 / 1.4MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	3	22.86	0.1932	22.11	0.1626
Middle		3	3	22.81	0.1910	22.06	0.1607
Highest		3	3	22.69	0.1858	21.94	0.1563
Lowest	16QAM	1	3	22.17	0.1648	21.42	0.1387
Middle		1	3	21.88	0.1542	21.13	0.1297
Highest		1	3	21.86	0.1535	21.11	0.1291
Lowest	64QAM	1	3	21.04	0.1271	20.29	0.1069
Middle		1	3	21.13	0.1297	20.38	0.1091
Highest		1	3	20.97	0.1250	20.22	0.1052
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 3MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	8	22.94	0.1968	22.19	0.1656
Middle		1	8	22.94	0.1968	22.19	0.1656
Highest		1	8	22.76	0.1888	22.01	0.1589
Lowest	16QAM	1	8	22.25	0.1679	21.50	0.1413
Middle		1	8	22.20	0.1660	21.45	0.1396
Highest		1	8	22.03	0.1596	21.28	0.1343
Lowest	64QAM	1	8	21.20	0.1318	20.45	0.1109
Middle		1	8	21.08	0.1282	20.33	0.1079
Highest		1	8	21.02	0.1265	20.27	0.1064
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 5MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.92	0.1959	22.17	0.1648
Middle		1	0	22.77	0.1892	22.02	0.1592
Highest		1	0	22.78	0.1897	22.03	0.1596
Lowest	16QAM	1	24	22.17	0.1648	21.42	0.1387
Middle		1	24	22.06	0.1607	21.31	0.1352
Highest		1	24	21.81	0.1517	21.06	0.1276
Lowest	64QAM	1	12	21.32	0.1355	20.57	0.1140
Middle		1	12	20.91	0.1233	20.16	0.1038
Highest		1	12	20.91	0.1233	20.16	0.1038
Limit	ERP < 7W			Result		PASS	





LTE Band 26 / 10MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	25	22.96	0.1977	22.21	0.1663
Middle		1	25	22.89	0.1945	22.14	0.1637
Highest		1	25	22.77	0.1892	22.02	0.1592
Lowest	16QAM	1	25	22.09	0.1618	21.34	0.1361
Middle		1	25	22.21	0.1663	21.46	0.1400
Highest		1	25	22.03	0.1596	21.28	0.1343
Lowest	64QAM	1	25	21.09	0.1285	20.34	0.1081
Middle		1	25	21.11	0.1291	20.36	0.1086
Highest		1	25	20.93	0.1239	20.18	0.1042
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 15MHz (Average) (GT - LC = 1.4 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.97	0.1982	22.22	0.1667
Middle		1	0	22.88	0.1941	22.13	0.1633
Highest		1	0	22.91	0.1954	22.16	0.1644
Lowest	16QAM	1	37	22.22	0.1667	21.47	0.1403
Middle		1	37	22.23	0.1671	21.48	0.1406
Highest		1	37	22.19	0.1656	21.44	0.1393
Lowest	64QAM	1	0	21.18	0.1312	20.43	0.1104
Middle		1	0	21.14	0.1300	20.39	0.1094
Highest		1	0	21.31	0.1352	20.56	0.1138
Limit	ERP < 7W			Result		PASS	



LTE Band 66 / 1.4MHz (Average) (GT - LC = 4.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	1	22.89	0.1945	26.99	0.5000
Middle		3	1	22.74	0.1879	26.84	0.4831
Highest		3	1	22.80	0.1905	26.90	0.4898
Lowest	16QAM	1	5	22.16	0.1644	26.26	0.4227
Middle		1	5	21.88	0.1542	25.98	0.3963
Highest		1	5	21.96	0.1570	26.06	0.4036
Lowest	64QAM	1	3	21.01	0.1262	25.11	0.3243
Middle		1	3	20.89	0.1227	24.99	0.3155
Highest		1	3	21.00	0.1259	25.10	0.3236
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 3MHz (Average) (GT - LC = 4.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	8	22.98	0.1986	27.08	0.5105
Middle		1	8	22.84	0.1923	26.94	0.4943
Highest		1	8	22.86	0.1932	26.96	0.4966
Lowest	16QAM	1	8	22.36	0.1722	26.46	0.4426
Middle		1	8	22.14	0.1637	26.24	0.4207
Highest		1	8	22.14	0.1637	26.24	0.4207
Lowest	64QAM	1	0	21.18	0.1312	25.28	0.3373
Middle		1	0	20.82	0.1208	24.92	0.3105
Highest		1	0	21.01	0.1262	25.11	0.3243
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 5MHz (Average) (GT - LC = 4.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.91	0.1954	27.01	0.5023
Middle		1	0	22.84	0.1923	26.94	0.4943
Highest		1	0	22.91	0.1954	27.01	0.5023
Lowest	16QAM	1	12	22.31	0.1702	26.41	0.4375
Middle		1	12	22.21	0.1663	26.31	0.4276
Highest		1	12	22.17	0.1648	26.27	0.4236
Lowest	64QAM	1	24	21.20	0.1318	25.30	0.3388
Middle		1	24	20.97	0.1250	25.07	0.3214
Highest		1	24	20.99	0.1256	25.09	0.3228
Limit	EIRP < 1W			Result		PASS	



LTE Band 66 / 10MHz (Average) (GT - LC = 4.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.97	0.1982	27.07	0.5093
Middle		1	0	22.95	0.1972	27.05	0.5070
Highest		1	0	23.01	0.2000	27.11	0.5140
Lowest	16QAM	1	0	22.22	0.1667	26.32	0.4285
Middle		1	0	22.20	0.1660	26.30	0.4266
Highest		1	0	22.28	0.1690	26.38	0.4345
Lowest	64QAM	1	0	21.19	0.1315	25.29	0.3381
Middle		1	0	20.97	0.1250	25.07	0.3214
Highest		1	0	21.06	0.1276	25.16	0.3281
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 15MHz (Average) (GT - LC = 4.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.11	0.2046	27.21	0.5260
Middle		1	0	23.00	0.1995	27.10	0.5129
Highest		1	0	22.99	0.1991	27.09	0.5117
Lowest	16QAM	1	0	22.32	0.1706	26.42	0.4385
Middle		1	0	22.22	0.1667	26.32	0.4285
Highest		1	0	22.31	0.1702	26.41	0.4375
Lowest	64QAM	1	0	21.41	0.1384	25.51	0.3556
Middle		1	0	21.10	0.1288	25.20	0.3311
Highest		1	0	21.18	0.1312	25.28	0.3373
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 20MHz (Average) (GT - LC = 4.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.08	0.2032	27.18	0.5224
Middle		1	0	23.12	0.2051	27.22	0.5272
Highest		1	0	23.00	0.1995	27.10	0.5129
Lowest	16QAM	1	0	22.41	0.1742	26.51	0.4477
Middle		1	0	22.36	0.1722	26.46	0.4426
Highest		1	0	22.21	0.1663	26.31	0.4276
Lowest	64QAM	1	0	21.15	0.1303	25.25	0.3350
Middle		1	0	21.32	0.1355	25.42	0.3483
Highest		1	0	21.22	0.1324	25.32	0.3404
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	1648	-52.33	-13	-39.33	-64.3	-57.63	1.83	9.28	H
	2472	-48.78	-13	-35.78	-65.36	-55.01	2.25	10.63	H
	3296	-48.01	-13	-35.01	-66.71	-55.52	2.62	12.28	H
									H
									H
									H
	1648	-50.44	-13	-37.44	-62.87	-55.74	1.83	9.28	V
	2472	-49.22	-13	-36.22	-66.03	-55.45	2.25	10.63	V
	3296	-46.99	-13	-33.99	-66.1	-54.50	2.62	12.28	V
									V
									V
									V
Middle	1664	-51.03	-13	-38.03	-63.12	-56.42	1.84	9.38	H
	2496	-48.19	-13	-35.19	-64.95	-54.56	2.26	10.78	H
	3328	-46.92	-13	-33.92	-65.54	-54.66	2.64	12.52	H
									H
									H
									H
	1664	-51.19	-13	-38.19	-63.75	-56.58	1.84	9.38	V
	2496	-49.07	-13	-36.07	-65.9	-55.44	2.26	10.78	V
	3328	-46.93	-13	-33.93	-65.95	-54.67	2.64	12.52	V
									V
									V
									V



Highest	1680	-50.66	-13	-37.66	-62.88	-56.14	1.85	9.48	H
	2520	-49.60	-13	-36.60	-66.3	-55.98	2.27	10.80	H
	3360	-48.70	-13	-35.70	-67.25	-56.58	2.65	12.68	H
									H
									H
									H
									H
	1680	-50.22	-13	-37.22	-62.91	-55.70	1.85	9.48	V
	2520	-48.64	-13	-35.64	-65.51	-55.02	2.27	10.80	V
	3360	-47.57	-13	-34.57	-66.51	-55.45	2.65	12.68	V
									V
									V
									V
									V

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



LTE Band 26

LTE Band 26 / 15MHz / QPSK									
Channel	Frequency ( MHz )	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	1649	-50.26	-13	-37.26	-62.23	-55.57	1.83	9.29	H
	2474	-49.62	-13	-36.62	-66.21	-55.87	2.25	10.64	H
	3299	-48.36	-13	-35.36	-67.06	-55.88	2.62	12.30	H
									H
									H
									H
									H
	1649	-52.24	-13	-39.24	-64.67	-57.55	1.83	9.29	V
	2474	-49.22	-13	-36.22	-66.03	-55.47	2.25	10.64	V
	3299	-47.64	-13	-34.64	-66.75	-55.16	2.62	12.30	V
									V
									V
									V
									V
Middle	1660	-51.30	-13	-38.30	-63.36	-56.67	1.84	9.36	H
	2490	-48.29	-13	-35.29	-65.01	-54.62	2.26	10.74	H
	3320	-47.78	-13	-34.78	-66.42	-55.46	2.63	12.46	H
									H
									H
									H
									H
	1660	-50.11	-13	-37.11	-62.63	-55.48	1.84	9.36	V
	2490	-48.34	-13	-35.34	-65.16	-54.67	2.26	10.74	V
	3320	-47.56	-13	-34.56	-66.6	-55.24	2.63	12.46	V
									V
									V
									V
									V



Highest	1669	-52.80	-13	-39.80	-64.93	-58.22	1.84	9.41	H
	2504	-41.88	-13	-28.88	-58.64	-48.27	2.26	10.80	H
	3336	-48.07	-13	-35.07	-66.67	-55.87	2.64	12.59	H
									H
									H
									H
									H
	1669	-52.43	-13	-39.43	-65.05	-57.85	1.84	9.41	V
	2504	-48.46	-13	-35.46	-65.29	-54.85	2.26	10.80	V
	3336	-47.78	-13	-34.78	-66.77	-55.58	2.64	12.59	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	3702	-41.21	-13	-28.21	-62.1	-50.85	2.77	12.40	H
	5555	-41.77	-13	-28.77	-66.79	-51.70	3.46	13.39	H
	7403	-37.76	-13	-24.76	-67.27	-44.97	3.98	11.19	H
									H
									H
									H
									H
	3700	-41.19	-13	-28.19	-62.48	-50.82	2.77	12.40	V
	5555	-42.33	-13	-29.33	-67.43	-52.26	3.46	13.39	V
	7403	-35.70	-13	-22.70	-65.69	-42.91	3.98	11.19	V
									V
									V
									V
									V
Middle	3742	-43.80	-13	-30.80	-64.83	-53.51	2.78	12.48	H
	5611	-41.21	-13	-28.21	-66.07	-51.08	3.48	13.34	H
	7487	-37.91	-13	-24.91	-67.42	-45.09	4.00	11.17	H
									H
									H
									H
									H
	3742	-43.73	-13	-30.73	-65.16	-53.44	2.78	12.48	V
	5611	-41.64	-13	-28.64	-66.72	-51.51	3.48	13.34	V
	7487	-37.01	-13	-24.01	-66.89	-44.19	4.00	11.17	V
									V
									V
									V
									V





Highest	3784	-45.55	-13	-32.55	-66.73	-55.19	2.79	12.43	H
	5674	-41.51	-13	-28.51	-66.7	-51.47	3.49	13.45	H
	7564	-38.11	-13	-25.11	-67.32	-45.34	4.02	11.26	H
									H
									H
									H
									H
	3784	-45.55	-13	-32.55	-66.73	-55.19	2.79	12.43	V
	5674	-41.51	-13	-28.51	-66.7	-51.47	3.49	13.45	V
	7564	-38.11	-13	-25.11	-67.32	-45.34	4.02	11.26	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	1552	-50.72	-13	-37.72	-62.74	-55.40	1.78	8.61	H
	2328	-45.73	-13	-32.73	-61.65	-51.07	2.18	9.67	H
	3109	-47.58	-13	-34.58	-65.90	-54.22	2.53	11.32	H
									H
									H
									H
									H
	1554	-51.57	-13.00	-38.57	-63.67	-56.26	1.78	8.62	V
	2328	-45.87	-13	-32.87	-62.58	-51.21	2.18	9.67	V
	3112	-47.51	-13	-34.51	-66.40	-54.15	2.53	11.32	V
									V
									V
									V
									V
Middle	1560	-50.72	-42.15	-8.57	-62.67	-55.45	1.78	8.66	H
	2336	-44.69	-13	-31.69	-60.62	-50.07	2.18	9.72	H
	3119	-47.77	-13	-34.77	-66.15	-54.42	2.54	11.34	H
									H
									H
									H
									H
	1560	-51.26	-42.15	-9.11	-63.35	-55.99	1.78	8.66	V
	2336	-45.76	-13	-32.76	-62.40	-51.14	2.18	9.72	V
	3119	-47.06	-13	-34.06	-65.98	-53.71	2.54	11.34	V
									V
									V
									V
									V
								V	



Highest	1564	-51.69	-42.15	-9.54	-63.61	-56.44	1.79	8.68	H
	2344	-46.10	-13	-33.10	-62.03	-51.53	2.19	9.76	H
	3129	-47.16	-13	-34.16	-65.62	-53.83	2.54	11.36	H
									H
									H
									H
									H
	1560	-51.26	-42.15	-9.11	-63.35	-55.99	1.78	8.66	V
	2344	-45.70	-13	-32.70	-62.35	-51.13	2.19	9.76	V
	3129	-45.66	-13	-32.66	-64.64	-52.33	2.54	11.36	V
									V
									V
									V
									V

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



LTE Band 13 / 10MHz / QPSK									
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1555	-52.49	-13	-39.49	-64.48	-57.19	1.78	8.63	H
	2328	-41.24	-13	-28.24	-57.16	-46.58	2.18	9.67	H
	3110	-47.87	-13	-34.87	-66.2	-54.51	2.53	11.32	H
									H
									H
									H
									H
	1555	-52.31	-13	-39.31	-64.41	-57.01	1.78	8.63	V
	2328	-40.86	-13	-27.86	-57.49	-46.20	2.18	9.67	V
	3110	-47.35	-13	-34.35	-66.23	-53.99	2.53	11.32	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	-52.32	-13.00	-39.32	-62.62	-55.38	1.69	6.90	H
	2098	-50.54	-13.00	-37.54	-65.14	-55.83	2.08	9.52	H
	2798	-48.65	-13.00	-35.65	-66.22	-55.30	2.39	11.19	H
									H
									H
									H
									H
	1400	-51.66	-13.00	-38.66	-63.15	-54.72	1.69	6.90	V
	2098	-49.44	-13.00	-36.44	-64.51	-54.73	2.08	9.52	V
	2798	-47.36	-13.00	-34.36	-65.19	-54.01	2.39	11.19	V
									V
									V
									V
									V
Middle	1408	-50.20	-13.00	-37.20	-61.59	-53.32	1.69	6.96	H
	2109	-50.26	-13.00	-37.26	-64.99	-55.44	2.08	9.41	H
	2808	-48.39	-13.00	-35.39	-65.97	-55.04	2.40	11.20	H
									H
									H
									H
									H
	1408	-50.68	-13.00	-37.68	-62.22	-53.80	1.69	6.96	V
	2109	-49.72	-13.00	-36.72	-64.94	-54.90	2.08	9.41	V
	2808	-48.07	-13.00	-35.07	-65.93	-54.72	2.40	11.20	V
									V
									V
									V
									V



Highest	1416	-48.78	-13.00	-35.78	-60.27	-51.96	1.70	7.03	H
	2119	-50.09	-13.00	-37.09	-64.93	-55.17	2.08	9.31	H
	2826	-48.09	-13.00	-35.09	-65.67	-54.74	2.40	11.20	H
									H
									H
									H
									H
	1416	-50.46	-13.00	-37.46	-62.06	-53.64	1.70	7.03	V
	2119	-50.18	-13.00	-37.18	-65.53	-55.26	2.08	9.31	V
	2826	-48.31	-13.00	-35.31	-66.20	-54.96	2.40	11.20	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	-41.90	-13	-28.90	-61.32	-52.79	1.23	12.12	H	
	5133	-43.17	-13	-30.17	-67.51	-54.06	1.97	12.86	H	
	6843	-38.73	-13	-25.73	-66.79	-47.69	2.34	11.30	H	
										H
										H
										H
										H
	3420	-43.24	-13	-30.24	-63.03	-54.13	1.23	12.12	V	
	5133	-42.65	-13	-29.65	-67.54	-53.54	1.97	12.86	V	
	6843	-38.60	-13	-25.60	-67.02	-47.56	2.34	11.30	V	
										V
										V
										V
										V
Middle	3448	-44.13	-13	-31.13	-63.8	-54.03	2.70	12.60	H	
	5170	-43.63	-13	-30.63	-68.11	-52.92	3.33	12.62	H	
	6894	-37.91	-13	-24.91	-66.12	-46.08	3.88	12.05	H	
										H
										H
										H
										H
	3448	-44.57	-13	-31.57	-64.61	-54.47	2.70	12.60	V	
	5170	-42.07	-13	-29.07	-67.07	-51.36	3.33	12.62	V	
	6894	-38.18	-13	-25.18	-66.59	-46.35	3.88	12.05	V	
										V
										V
										V
										V



Highest	3472	-43.50	-13	-30.50	-63.36	-54.50	1.24	12.24	H
	5208	-43.05	-13	-30.05	-67.64	-54.02	1.97	12.95	H
	6944	-37.42	-13	-24.42	-65.77	-46.68	2.36	11.62	H
									H
									H
									H
									H
	3472	-42.45	-13	-29.45	-62.68	-53.45	1.24	12.24	V
	5208	-41.62	-13	-28.62	-66.69	-52.59	1.97	12.95	V
	6944	-37.91	-13	-24.91	-66.31	-47.17	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	3422	-48.12	-13	-35.12	-67.54	-58.04	2.68	12.60	H
	5133	-42.92	-13	-29.92	-67.26	-52.03	3.32	12.43	H
	6844	-38.94	-13	-25.94	-67	-47.48	3.86	12.40	H
									H
									H
									H
									H
	3422	-46.79	-13	-33.79	-66.6	-56.71	2.68	12.60	V
	5133	-42.47	-13	-29.47	-67.36	-51.58	3.32	12.43	V
	6844	-39.50	-13	-26.50	-67.92	-48.04	3.86	12.40	V
									V
									V
									V
									V
Middle	3422	-48.12	-13	-35.12	-67.54	-58.04	2.68	12.60	H
	5133	-42.92	-13	-29.92	-67.26	-52.03	3.32	12.43	H
	6844	-38.94	-13	-25.94	-67	-47.48	3.86	12.40	H
									H
									H
									H
									H
	3422	-46.79	-13	-33.79	-66.6	-56.71	2.68	12.60	V
	5133	-42.47	-13	-29.47	-67.36	-51.58	3.32	12.43	V
	6844	-39.50	-13	-26.50	-67.92	-48.04	3.86	12.40	V
									V
									V
									V
									V



Highest	3525	-46.19	-13	-33.19	66.44	-55.76	2.73	12.30	H
	5283	-43.74	-13	-30.74	-68.37	-53.70	3.37	13.33	H
	7044	-37.30	-13	-24.30	-65.87	-45.02	3.92	11.64	H
									H
									H
									H
									H
	3525	-45.75	-13	-32.75	-66.39	-55.32	2.73	12.30	V
	5283	-41.84	-13	-28.84	-66.82	-51.80	3.37	13.33	V
	7044	-37.47	-13	-24.47	-66.02	-45.19	3.92	11.64	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	-43.53	-25	-18.53	-67.38	-52.84	3.27	12.58	H
	7500	-37.88	-25	-12.88	-67.39	-45.08	4.00	11.20	H
	10008	-33.09	-25	-8.09	-66.46	-39.63	4.67	11.22	H
	12510	-27.89	-25	-2.89	-62.31	-36.42	5.26	13.79	H
									H
									H
									H
	5004	-43.21	-25	-18.21	-67.74	-52.52	3.27	12.58	V
	7500	-37.65	-25	-12.65	-67.51	-44.85	4.00	11.20	V
	10008	-33.51	-25	-8.51	-66.64	-40.05	4.67	11.22	V
	12510	-27.35	-25	-2.35	-62.16	-35.88	5.26	13.79	V
									V
									V
									V
Middle	5052	-44.18	-25	-19.18	-68.21	-53.29	3.29	12.40	H
	7578	-38.49	-25	-13.49	-67.64	-45.77	4.03	11.31	H
	10107	-32.52	-25	-7.52	-66.14	-39.21	4.70	11.39	H
									H
									H
									H
									H
	5052	-43.38	-25	-18.38	-68.04	-52.49	3.29	12.40	V
	7578	-37.49	-25	-12.49	-67.14	-44.77	4.03	11.31	V
	10107	-33.34	-25	-8.34	-66.53	-40.03	4.70	11.39	V
									V
									V
									V
									V



Highest	5100	-43.98	-25	-18.98	-68.2	-52.97	3.31	12.30	H
	7656	-36.64	-25	-11.64	-65.73	-44.10	4.06	11.51	H
	10206	-32.85	-25	-7.85	-66.7	-39.41	4.73	11.29	H
									H
									H
									H
									H
	5100	-43.36	-25	-18.36	-68.16	-52.35	3.31	12.30	V
	7656	-36.82	-25	-11.82	-66.44	-44.28	4.06	11.51	V
	10206	-32.94	-25	-7.94	-66.19	-39.50	4.73	11.29	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	-44.46	-25	-19.46	-68.29	-53.81	3.27	12.62	H	
	7488	-37.51	-25	-12.51	-67.02	-44.69	4.00	11.18	H	
	9990	-32.03	-25	-7.03	-65.39	-38.54	4.67	11.18	H	
										H
										H
										H
										H
	4992	-43.37	-25	-18.37	-67.87	-52.72	3.27	12.62	V	
	7488	-37.06	-25	-12.06	-66.94	-44.24	4.00	11.18	V	
	9990	-33.89	-25	-8.89	-67	-40.40	4.67	11.18	V	
										V
										V
										V
										V
Middle	5166	-43.58	-25	-18.58	-68.05	-52.85	3.33	12.60	H	
	7752	-36.95	-25	-11.95	-66.14	-44.75	4.09	11.89	H	
	10332	-31.81	-25	-6.81	-65.97	-37.98	4.77	10.94	H	
										H
										H
										H
										H
	5166	-42.84	-25	-17.84	-67.83	-52.11	3.33	12.60	V	
	7752	-35.97	-25	-10.97	-65.66	-43.77	4.09	11.89	V	
	10332	-32.94	-25	-7.94	-66.27	-39.11	4.77	10.94	V	
										V
										V
										V
										V



Highest	5340	-43.16	-25	-18.16	-67.8	-53.25	3.39	13.48	H
	8016	-34.00	-25	-9.00	-63.96	-40.68	4.18	10.86	H
	10683	-31.71	-25	-6.71	-66.19	-37.92	4.86	11.07	H
									H
									H
									H
									H
	5340	-43.02	-25	-18.02	-67.92	-53.11	3.39	13.48	V
	8016	-35.69	-25	-10.69	-65.79	-42.37	4.18	10.86	V
	10683	-32.84	-25	-7.84	-66.49	-39.05	4.86	11.07	V
									V
									V
									V
									V

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