

TEST REPORT

CERTIFICATE OF CONFORMITY

Standard: 47 CFR FCC Part 22
47 CFR FCC Part 24
47 CFR FCC Part 27
47 CFR FCC Part 90
47 CFR FCC Part 2

Report No.: RFCDVB-WTW-P25040434

FCC ID: QYLLN920V12

Product: LN920 radio module

Brand: Getac

Model No.: LN920A12-WW

Received Date: 2025/4/21

Test Date: 2025/5/23 ~ 2025/6/26

Issued Date: 2025/7/11

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FCC Registration / Test Location:788550 / TW0003 for Test Location(1)

Designation Number: 281270 / TW0032 for Test Location(2)

Approved by:



Jeremy Lin / Project Engineer

Date:

2025/7/11

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Prepared by : Gina Liu / Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFCDVB-WTW-P25040434	Original release.	2025/7/11

1 Certificate

Product: LN920 radio module

Brand: Getac

Test Model: LN920A12-WW

Sample Status: Engineering sample

Applicant: Getac Technology Corporation.

Test Date: 2025/5/23 ~ 2025/6/26

Standard: 47 CFR FCC Part 22
47 CFR FCC Part 24
47 CFR FCC Part 27
47 CFR FCC Part 90
47 CFR FCC Part 2

Measurement ANSI/TIA/EIA-603-E 2016

procedure: ANSI C63.26-2015

KDB 971168 D01 Power Meas License Digital Systems v03r01

KDB 971168 D02 Misc Rev Approv License Devices v02r02

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

2 Summary of Test Results

Standard / Clause	Test Item	Result	Remark
Part 2.1046 Part 22.913 (a) Part 24.232 (c) Part 27.50(d) Part 27.50(h) Part 27.50(c) Part 27.50(b) Part 90.635(b) Part 90.542(a)(7)	Effective Radiated Power and Equivalent Isotropically Radiated Power	Pass	Meet the requirement of limit.
Part 2.1047	Modulation Characteristics	N/A	Refer to Note
Part 22.913 (d) Part 24.232 (d) Part 27.50(d)	Peak to Average Ratio	N/A	Refer to Note
Part 2.1049	Bandwidth	N/A	Refer to Note
Part 2.1051 Part 22.917 Part 24.238 Part 27.53(h) Part 27.53(m) Part 27.53(g) Part 27.53(c)(f) Part 90.691 Part 90.543(e)(f)	Conducted Spurious Emissions	N/A	Refer to Note
Part 2.1053 Part 22.917 Part 24.238 Part 27.53(h) Part 27.53(m) Part 27.53(g) Part 27.53(c)(f) Part 90.691 Part 90.543(e)(f)	Radiated Spurious Emissions below 1GHz	Pass	Minimum passing margin is -21.38 dB at 355.92 MHz
Part 2.1053 Part 22.917 Part 24.238 Part 27.53(h) Part 27.53(m) Part 27.53(g) Part 27.53(c)(f) Part 90.691 Part 90.543(e)(f)	Radiated Spurious Emissions above 1GHz	Pass	Minimum passing margin is -0.11 dB at 1564.00 MHz
Part 2.1055 Part 22.355 Part 24.235 Part 27.54 Part 90.213 Part 90.539(e)	Frequency Stability	N/A	Refer to Note

Note:

- Only test item of Radiated Spurious Emissions, Effective Radiated Power and Equivalent Isotropically Radiated Power were performed for this report. Other testing data please refer to SGS Taiwan Ltd. report no.: TERF2206000792ER and TERF2206000793ER for module (Brand: Telit, Model: LN920A12-WW)
- Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Parameter	Specification	Uncertainty (±)
Effective Radiated Power and Equivalent Isotropically Radiated Power	-	1.371 dB
Radiated Spurious Emissions below 1GHz	9 kHz ~ 30 MHz	3 dB
	30 MHz ~ 1 GHz	2.92 dB
Radiated Spurious Emissions above 1GHz	1 GHz ~ 18 GHz	1.76 dB
	18 GHz ~ 40 GHz	1.77 dB

The other instruments specified are routine verified to remain within the calibrated levels, no measurement uncertainty is required to be calculated.

2.2 Supplementary Information

There is not any deviation from the test standards for the test method, and no modifications required for compliance.

3 General Information

3.1 General Description of EUT

Product	LN920 radio module
Brand	Getac
Test Model	LN920A12-WW
Status of EUT	Engineering sample
Power Supply Rating	Refer to Note
EUT Category	Mobile station
Modulation Type	WCDMA: HSDPA, HSUPA, HSPA+, DC-HSDPA LTE: QPSK, 16QAM, 64QAM
WCDMA support bands	B2, B4, B5
LTE support SISO bands	B2, B4, B5, B7, B12, B13, B14, B17, B25, B26, B30 (RX only), B38, B41, B66, B71

Note:

1. The EUT is authorized for use in specific End-product.

Product	Brand	Model	Difference
Notebook	Getac	V120	marketing purpose
		V120Y(Y= 10 characters, Y can be 0 to 9, A to Z, a to z, "/", "\", "-", "_ or blank for marketing purpose)	

2. The End-product uses following accessories.

Item	Brand	Model	Specification
Battery 1	Getac	BP2S1P4070P	Power Rating : Rating: 7.74Vdc , 3800mAh, 29.42Wh Typical Capacity: 4070mAh, 31.51Wh
Battery 2	Getac	BP3S1P4070P	Power Rating : Rating: 11.61Vdc , 3800mAh, 44.12Wh Typical Capacity: 4070mAh, 47.26Wh
AC Adapter	FSP	FSP065-RBBN3	AC Input : 100-240 Vac ; 50-60 Hz ; 1.5 A DC Output : 19.0Vdc ; 3.42A, 65.0W DC Output Cable : 1.45M / 1core AC Power Cord : 1.75M
Touch Pen	Getac	340GA8900001	-

* After pre-tested all the modes and found battery 1 was the worst.

3. EUT Overview

WCDMA Band 2

TX Frequency Range (MHz)	Max. EIRP (W)	Max. EIRP (dBm)
1850 ~ 1910	184.077	22.65

WCDMA Band 4

TX Frequency Range (MHz)	Max. EIRP (W)	Max. EIRP (dBm)
1710 ~ 1755	96.828	19.86

WCDMA Band 5

TX Frequency Range (MHz)	Max. ERP (W)	Max. ERP (dBm)
824 ~ 849	145.546	21.63

LTE Band 2

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
1.4 MHz	1850.7 ~ 1909.3	QPSK	0.167	22.24
		16QAM	0.131	21.17
		64QAM	0.105	20.20
3 MHz	1851.5 ~ 1908.5	QPSK	0.168	22.26
		16QAM	0.134	21.28
		64QAM	0.107	20.28
5 MHz	1852.5 ~ 1907.5	QPSK	0.169	22.28
		16QAM	0.135	21.29
		64QAM	0.107	20.30
10 MHz	1855 ~ 1905	QPSK	0.17	22.30
		16QAM	0.134	21.28
		64QAM	0.105	20.22
15 MHz	1857.5 ~ 1902.5	QPSK	0.168	22.25
		16QAM	0.135	21.30
		64QAM	0.107	20.31
20 MHz	1860 ~ 1900	QPSK	0.175	22.42
		16QAM	0.143	21.56
		64QAM	0.112	20.48

LTE Band 4

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
1.4 MHz	1710.7 ~ 1754.3	QPSK	0.105	20.21
		16QAM	0.082	19.13
		64QAM	0.065	18.13
3 MHz	1711.5 ~ 1753.5	QPSK	0.105	20.21
		16QAM	0.084	19.23
		64QAM	0.066	18.19
5 MHz	1712.5 ~ 1752.5	QPSK	0.105	20.23
		16QAM	0.084	19.23
		64QAM	0.065	18.15
10 MHz	1715 ~ 1750	QPSK	0.104	20.19
		16QAM	0.082	19.16
		64QAM	0.066	18.21
15 MHz	1717.5 ~ 1747.5	QPSK	0.105	20.22
		16QAM	0.084	19.23
		64QAM	0.066	18.20
20 MHz	1720 ~ 1745	QPSK	0.107	20.30
		16QAM	0.086	19.33
		64QAM	0.068	18.32

LTE Band 5

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)
1.4 MHz	824.7 ~ 848.3	QPSK	0.124	20.94
		16QAM	0.097	19.87
		64QAM	0.077	18.87
3 MHz	825.5 ~ 847.5	QPSK	0.125	20.97
		16QAM	0.099	19.95
		64QAM	0.078	18.93
5 MHz	826.5 ~ 846.5	QPSK	0.124	20.95
		16QAM	0.098	19.92
		64QAM	0.078	18.94
10 MHz	829 ~ 844	QPSK	0.125	20.98
		16QAM	0.099	19.94
		64QAM	0.078	18.92

LTE Band 7

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
5 MHz	2502.5 ~ 2567.5	QPSK	0.113	20.52
		16QAM	0.088	19.45
		64QAM	0.07	18.46
10 MHz	2505 ~ 2565	QPSK	0.111	20.47
		16QAM	0.111	20.47
		64QAM	0.071	18.50
15 MHz	2507.5 ~ 2562.5	QPSK	0.112	20.48
		16QAM	0.089	19.49
		64QAM	0.07	18.45
20 MHz	2510 ~ 2560	QPSK	0.114	20.58
		16QAM	0.09	19.55
		64QAM	0.072	18.56

LTE Band 12

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)
1.4 MHz	699.7 ~ 715.3	QPSK	0.203	23.07
		16QAM	0.158	22
		64QAM	0.126	21.01
3 MHz	700.5 ~ 714.5	QPSK	0.202	23.06
		16QAM	0.162	22.09
		64QAM	0.128	21.07
5 MHz	701.5 ~ 713.5	QPSK	0.204	23.09
		16QAM	0.16	22.05
		64QAM	0.128	21.07
10 MHz	704 ~ 711	QPSK	0.205	23.12
		16QAM	0.16	22.03
		64QAM	0.126	20.99

LTE Band 13

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)
5 MHz	779.5 ~ 784.5	QPSK	0.207	23.16
		16QAM	0.164	22.16
		64QAM	0.131	21.16
10 MHz	782	QPSK	0.209	23.21
		16QAM	0.16	22.03
		64QAM	0.128	21.06

LTE Band 14

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)
5 MHz	790.5 ~ 795.5	QPSK	0.165	22.18
		16QAM	0.132	21.19
		64QAM	0.104	20.16
10 MHz	793	QPSK	0.167	22.23
		16QAM	0.131	21.16
		64QAM	0.103	20.14

LTE Band 17

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)
5 MHz	706.5 ~ 713.5	QPSK	0.185	22.67
		16QAM	0.147	21.67
		64QAM	0.118	20.72
10 MHz	709 ~ 711	QPSK	0.188	22.74
		16QAM	0.148	21.71
		64QAM	0.117	20.7

LTE Band 25

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
1.4 MHz	1850.7 ~ 1914.3	QPSK	0.167	22.23
		16QAM	0.131	21.17
		64QAM	0.104	20.16
3 MHz	1851.5 ~ 1913.5	QPSK	0.168	22.26
		16QAM	0.134	21.26
		64QAM	0.105	20.22
5 MHz	1852.5 ~ 1912.5	QPSK	0.167	22.24
		16QAM	0.132	21.22
		64QAM	0.106	20.24
10 MHz	1855 ~ 1910	QPSK	0.166	22.20
		16QAM	0.133	21.23
		64QAM	0.103	20.13
15 MHz	1857.5 ~ 1907.5	QPSK	0.169	22.27
		16QAM	0.132	21.21
		64QAM	0.105	20.22
20 MHz	1860 ~ 1905	QPSK	0.171	22.33
		16QAM	0.137	21.36
		64QAM	0.106	20.26

LTE Band 26 (814 MHz ~ 824 MHz)

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)
1.4 MHz	814.7 ~ 823.3	QPSK	0.136	21.32
		16QAM	0.108	20.35
		64QAM	0.085	19.31
3 MHz	815.5 ~ 822.5	QPSK	0.135	21.31
		16QAM	0.106	20.24
		64QAM	0.086	19.34
5 MHz	816.5 ~ 821.5	QPSK	0.135	21.3
		16QAM	0.106	20.25
		64QAM	0.086	19.32
10 MHz	819	QPSK	0.136	21.34
		16QAM	0.108	20.34
		64QAM	0.086	19.32

LTE Band 26 (824 MHz ~ 849 MHz)

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)
1.4 MHz	824.7 ~ 848.3	QPSK	0.137	21.36
		16QAM	0.106	20.26
		64QAM	0.085	19.31
3 MHz	825.5 ~ 847.5	QPSK	0.137	21.37
		16QAM	0.107	20.3
		64QAM	0.086	19.37
5 MHz	826.5 ~ 846.5	QPSK	0.137	21.38
		16QAM	0.108	20.33
		64QAM	0.086	19.34
10 MHz	829 ~ 844	QPSK	0.139	21.43
		16QAM	0.109	20.39
		64QAM	0.087	19.38
15 MHz	831.5 ~ 841.5	QPSK	0.14	21.45
		16QAM	0.11	20.43
		64QAM	0.086	19.37

LTE Band 38

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
5 MHz	2572.5 ~ 2617.5	QPSK	0.132	21.22
		16QAM	0.105	20.20
		64QAM	0.083	19.21
10 MHz	2575 ~ 2615	QPSK	0.131	21.18
		16QAM	0.105	20.20
		64QAM	0.082	19.14
15 MHz	2577.5 ~ 2612.5	QPSK	0.132	21.21
		16QAM	0.103	20.12
		64QAM	0.083	19.17
20 MHz	2580 ~ 2610	QPSK	0.134	21.27
		16QAM	0.104	20.19
		64QAM	0.082	19.12

LTE Band 41

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
5 MHz	2498.5 ~ 2687.5	QPSK	0.142	21.51
		16QAM	0.11	20.43
		64QAM	0.089	19.51
10 MHz	2501 ~ 2685	QPSK	0.143	21.54
		16QAM	0.113	20.53
		64QAM	0.09	19.52
15 MHz	2503.5 ~ 2682.5	QPSK	0.142	21.52
		16QAM	0.112	20.49
		64QAM	0.09	19.53
20 MHz	2506 ~ 2680	QPSK	0.144	21.59
		16QAM	0.115	20.60
		64QAM	0.091	19.58

LTE Band 66

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
1.4 MHz	1710.7 ~ 1779.3	QPSK	0.11	20.41
		16QAM	0.086	19.33
		64QAM	0.068	18.33
3 MHz	1711.5 ~ 1778.5	QPSK	0.11	20.41
		16QAM	0.086	19.36
		64QAM	0.069	18.36
5 MHz	1712.5 ~ 1777.5	QPSK	0.11	20.43
		16QAM	0.087	19.39
		64QAM	0.069	18.38
10 MHz	1715 ~ 1775	QPSK	0.11	20.41
		16QAM	0.087	19.41
		64QAM	0.069	18.36
15 MHz	1717.5 ~ 1772.5	QPSK	0.11	20.42
		16QAM	0.087	19.38
		64QAM	0.069	18.41
20 MHz	1720 ~ 1770	QPSK	0.112	20.49
		16QAM	0.09	19.52
		64QAM	0.071	18.51

LTE Band 71

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)
5 MHz	665.5 ~ 695.5	QPSK	179.061	22.53
		16QAM	142.233	21.53
		64QAM	112.460	20.51
10 MHz	668 ~ 693	QPSK	179.473	22.54
		16QAM	141.579	21.51
		64QAM	112.980	20.53
15 MHz	670.5 ~ 690.5	QPSK	177.011	22.48
		16QAM	142.233	21.53
		64QAM	112.980	20.53
20 MHz	673 ~ 688	QPSK	183.654	22.64
		16QAM	142.889	21.55
		64QAM	113.763	20.56

- For detailed information about each WWAN bands frequency range, bandwidth mode of the product, please refer to section 3.3 of the report.
- The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna Type	Antenna Connector	Band	Peak Gain (dBi)	
			Ant 1 - Main Gain (dBi)	Ant 2 - AUX Gain (dBi)
PIFA	IPEX I	WCDMA 2	1.81	1.93
		WCDMA 4	1.03	—
		WCDMA 5	0.74	—
PIFA	IPEX I	LTE 2	1.81	1.93
		LTE 4	1.03	—
		LTE 5	0.74	—
		LTE 7	1.99	-0.08
		LTE 12	2.39	—
		LTE 13	2.47	—
		LTE 14	1.63	—
		LTE 17	2	—
		LTE 25	1.81	2.29
		LTE 26	0.74	—
		LTE 38	0.69	-1.22
		LTE 41	1.99	-0.08
		LTE 66	1.03	—
		LTE 71	2.4	—

*The above Antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

* WWAN test were fixed on Main Antenna.

3.3 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. EUT can be used in the following ways: X-axis/ Y-axis/ Z-axis/NB-axis. Pre-scan these ways and find the worst case as a representative test condition. 2. For radiated spurious emissions, choose the maximum EIRP/ERP power and 1RB offset worst case for final test.
Worst Case:	X-axis/ Y-axis/ Z-axis/NB-axis Worst Condition: NB-axis

3.3.1 WCDMA Band 2

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	9262 (1852.40 MHz) 9400 (1880.00 MHz) 9538 (1907.60 MHz)	-	-	WCDMA HSDPA DC-HSDPA HSUPA HSPA+
Radiated Spurious Emissions below 1GHz	9400 (1880.00 MHz)	-	-	WCDMA
Radiated Spurious Emissions above 1GHz	9262 (1852.40 MHz) 9400 (1880.00 MHz) 9538 (1907.60 MHz)	-	-	WCDMA

3.3.2 WCDMA Band 4

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	1312 (1712.40 MHz) 1413 (1732.60 MHz) 1513 (1752.60 MHz)	-	-	WCDMA HSDPA DC-HSDPA HSUPA HSPA+
Radiated Spurious Emissions below 1GHz	1513 (1752.60 MHz)	-	-	WCDMA
Radiated Spurious Emissions above 1GHz	1312 (1712.40 MHz) 1413 (1732.60 MHz) 1513 (1752.60 MHz)	-	-	WCDMA

3.3.3 WCDMA Band 5

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Radiated Power	4132 (826.40 MHz) 4182 (836.40 MHz) 4233 (846.60 MHz)	-	-	WCDMA HSDPA DC-HSDPA HSUPA HSPA+
Radiated Spurious Emissions below 1GHz	4233 (846.60 MHz)	-	-	WCDMA
Radiated Spurious Emissions above 1GHz	4132 (826.40 MHz) 4182 (836.40 MHz) 4233 (846.60 MHz)	-	-	WCDMA

3.3.4 LTE Band 2

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	18607(1850.70 MHz) 18900(1880.00 MHz) 19193(1909.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	18615(1851.50 MHz) 18900(1880.00 MHz) 19185(1908.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	18625(1852.50 MHz) 18900(1880.00 MHz) 19175(1907.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	18650(1855.00 MHz) 18900(1880.00 MHz) 19150(1905.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	18675(1857.50 MHz) 18900(1880.00 MHz) 19125(1902.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	18700(1860.00 MHz) 18900(1880.00 MHz) 19100(1900.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
Radiated Spurious Emissions below 1GHz	18900(1880.00 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	18700(1860.00 MHz) 18900(1880.00 MHz) 19100(1900.00 MHz)	20 MHz	QPSK	1 RB

3.3.5 LTE Band 4

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	19957(1710.70 MHz) 20175(1732.50 MHz) 20393(1754.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	19965(1711.50 MHz) 20175(1732.50 MHz) 20385(1753.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	19975(1712.50 MHz) 20175(1732.50 MHz) 20375(1752.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	20000(1715.00 MHz) 20175(1732.50 MHz) 20350(1750.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	20025(1717.50 MHz) 20175(1732.50 MHz) 20325(1747.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	20050(1720.00 MHz) 20175(1732.50 MHz) 20300(1745.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
Radiated Spurious Emissions below 1GHz	20175(1732.50 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	20050(1720.00 MHz) 20175(1732.50 MHz) 20300(1745.00 MHz)	20 MHz	QPSK	1 RB

3.3.6 LTE Band 5

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	20407(824.70 MHz) 20525(836.50 MHz) 20643(848.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	20415(825.50 MHz) 20525(836.50 MHz) 20635(847.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	20425(826.50 MHz) 20525(836.50 MHz) 20625(846.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	20450(829.00 MHz) 20525(836.50 MHz) 20600(844.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
Radiated Spurious Emissions below 1GHz	20600(844.00 MHz)	10 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	20450(829.00 MHz) 20525(836.50 MHz) 20600(844.00 MHz)	10 MHz	QPSK	1 RB

3.3.7 LTE Band 7

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	20775(2502.50 MHz) 21100(2535.00 MHz) 21425(2567.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	20800(2505.00 MHz) 21100(2535.00 MHz) 21400(2565.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	20825(2507.50 MHz) 21100(2535.00 MHz) 21375(2562.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	20850(2510.00 MHz) 21100(2535.00 MHz) 21350(2560.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
Radiated Spurious Emissions below 1GHz	21350(2560.00 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	20850(2510.00 MHz) 21100(2535.00 MHz) 21350(2560.00 MHz)	20 MHz	QPSK	1 RB

3.3.8 LTE Band 12

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	23017(699.70 MHz) 23095(707.50 MHz) 23173(715.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	23025(700.50 MHz) 23095(707.50 MHz) 23165(714.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	23035(701.50 MHz) 23095(707.50 MHz) 23155(713.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	23060(704.00 MHz) 23095(707.50 MHz) 23130(711.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
Radiated Spurious Emissions below 1GHz	23095(707.50 MHz)	10 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	23060(704.00 MHz) 23095(707.50 MHz) 23130(711.00 MHz)	10 MHz	QPSK	1 RB

3.3.9 LTE Band 13

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	23205(779.50 MHz) 23230(782.00 MHz) 23255(784.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	23230(782.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
Radiated Spurious Emissions below 1GHz	23230(782.00 MHz)	10 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	23230(782.00 MHz)	10 MHz	QPSK	1 RB

3.3.10 LTE Band 14

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	23305(790.50 MHz) 23330(793.00 MHz) 23355(795.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	23330(793.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
Radiated Spurious Emissions below 1GHz	23330(793.00 MHz)	10 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	23330(793.00 MHz)	10 MHz	QPSK	1 RB

3.3.11 LTE Band 17

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	23755(706.50 MHz) 23790(710.00 MHz) 23825(713.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	23780(709.00 MHz) 23790(710.00 MHz) 23800(711.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
Radiated Spurious Emissions below 1GHz	23790(710.00 MHz)	10 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	23780(709.00 MHz) 23790(710.00 MHz) 23800(711.00 MHz)	10 MHz	QPSK	1 RB

3.3.12 LTE Band 25

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	26047(1850.70 MHz) 26365(1882.50 MHz) 26683(1914.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	26055(1851.50 MHz) 26365(1882.50 MHz) 26675(1913.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	26065(1852.50 MHz) 26365(1882.50 MHz) 26665(1912.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	26090(1855.00 MHz) 26365(1882.50 MHz) 26640(1910.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	26115(1857.50 MHz) 26365(1882.50 MHz) 26615(1907.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	26140(1860.00 MHz) 26365(1882.50 MHz) 26590(1905.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
Radiated Spurious Emissions below 1GHz	26365(1882.50 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	26140(1860.00 MHz) 26365(1882.50 MHz) 26590(1905.00 MHz)	20 MHz	QPSK	1 RB

3.3.13 LTE Band 26 (814 MHz ~ 824 MHz)

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	26697(814.70 MHz) 26740(819.00 MHz) 26783(823.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	26705(815.50 MHz) 26740(819.00 MHz) 26775(822.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	26715(816.50 MHz) 26740(819.00 MHz) 26765(821.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	26740(819.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
Radiated Spurious Emissions below 1GHz	26740(819.00 MHz)	10 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	26740(819.00 MHz)	10 MHz	QPSK	1 RB

3.3.14 LTE Band 26 (824 MHz ~ 849 MHz)

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	26797(824.70 MHz) 26915(836.50 MHz) 27033(848.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	26805(825.50 MHz) 26915(836.50 MHz) 27025(847.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	26815(826.50 MHz) 26915(836.50 MHz) 27015(846.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	26840(829.00 MHz) 26915(836.50 MHz) 26990(844.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	26865(831.50 MHz) 26915(836.50 MHz) 26965(841.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
Radiated Spurious Emissions below 1GHz	26965(841.50 MHz)	15 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	26865(831.50 MHz) 26915(836.50 MHz) 26965(841.50 MHz)	15 MHz	QPSK	1 RB

3.3.15 LTE Band 38

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	37775(2572.50 MHz) 38000(2595.00 MHz) 38225(2617.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	37800(2575.00 MHz) 38000(2595.00 MHz) 38200(2615.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	37825(2577.50 MHz) 38000(2595.00 MHz) 38175(2612.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	37850(2580.00 MHz) 38000(2595.00 MHz) 38150(2610.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
Radiated Spurious Emissions below 1GHz	38000(2595.00 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	37850(2580.00 MHz) 38000(2595.00 MHz) 38150(2610.00 MHz)	20 MHz	QPSK	1 RB

3.3.16 LTE Band 41

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	39675(2498.50 MHz) 40620(2593.00 MHz) 41565(2687.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	39700(2501.00 MHz) 40620(2593.00 MHz) 41540(2685.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	39725(2503.50 MHz) 40620(2593.00 MHz) 41515(2682.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	39750(2506.00 MHz) 40620(2593.00 MHz) 41490(2680.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
Radiated Spurious Emissions below 1GHz	40620(2593.00 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	39750(2506.00 MHz) 40620(2593.00 MHz) 41490(2680.00 MHz)	20 MHz	QPSK	1 RB

3.3.17 LTE Band 66

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	131979(1710.70 MHz) 132322(1745.00 MHz) 132665(1779.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	131987(1711.50 MHz) 132322(1745.00 MHz) 132657(1778.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	131997(1712.50 MHz) 132322(1745.00 MHz) 132647(1777.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	132022(1715.00 MHz) 132322(1745.00 MHz) 132622(1775.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	132047(1717.50 MHz) 132322(1745.00 MHz) 132597(1772.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	132072(1720.00 MHz) 132322(1745.00 MHz) 132572(1770.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
Radiated Spurious Emissions below 1GHz	132322(1745.00 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	132072(1720.00 MHz) 132322(1745.00 MHz) 132572(1770.00 MHz)	20 MHz	QPSK	1 RB

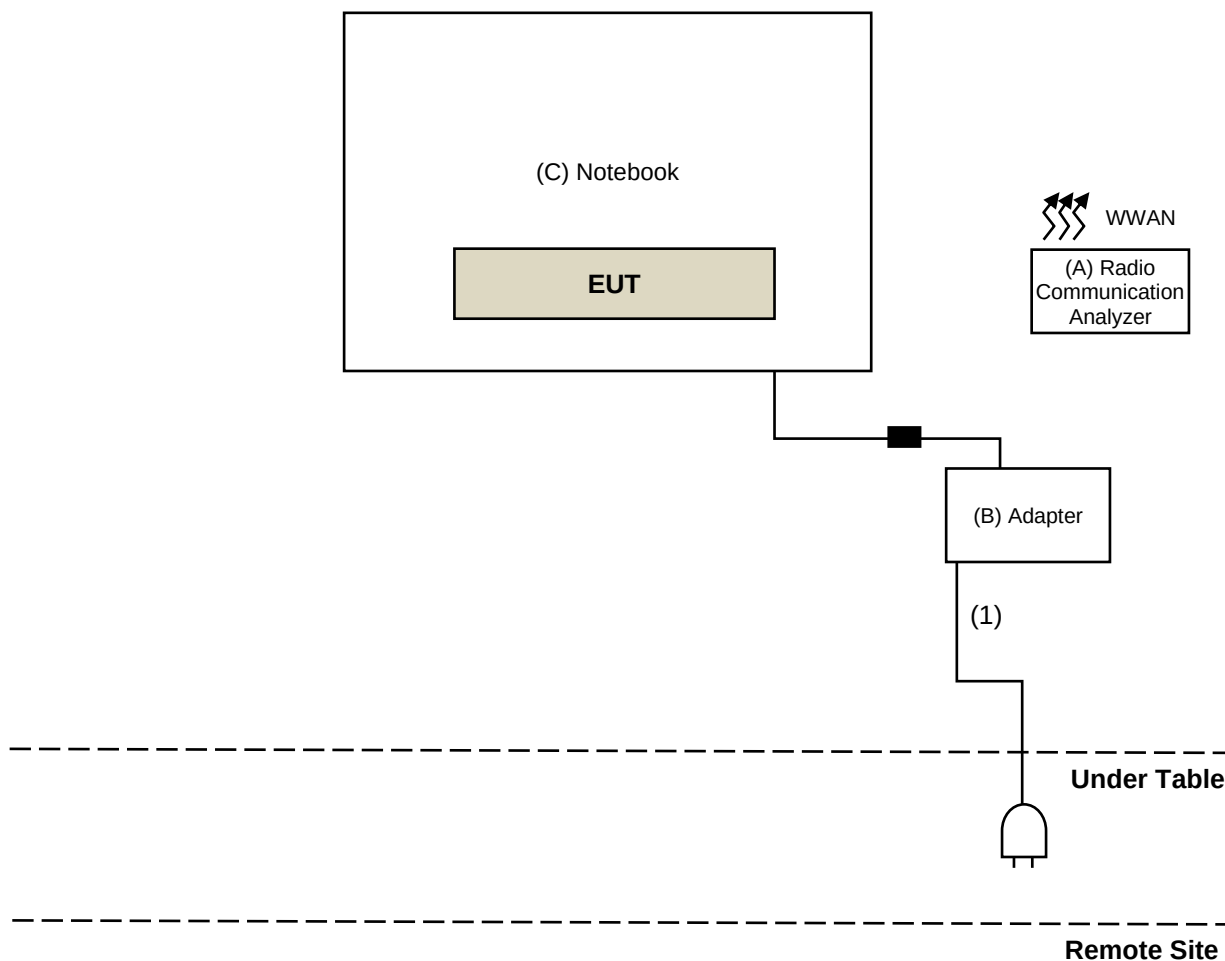
3.3.18 LTE Band 71

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	133147(665.50 MHz) 133297(680.50 MHz) 133447(695.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	133172(668.00 MHz) 133297(680.50 MHz) 133422(693.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	133197(670.50 MHz) 133297(680.50 MHz) 133397(690.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
	133222(673.00 MHz) 133297(680.50 MHz) 133372(688.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM	1 RB Half RB Full RB
Radiated Spurious Emissions below 1GHz	133297(680.50 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	133222(673.00 MHz) 133297(680.50 MHz) 133372(688.00 MHz)	20 MHz	QPSK	1 RB

3.4 Test Program Used and Operation Descriptions

There is no need to controlling software during the test, and the EUT can be paired with the Radio Communication Analyzer to test the connection when it is powered on.

3.5 Connection Diagram of EUT and Peripheral Devices



3.6 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Radio Communication Analyzer	Anritsu	MT8821C	6201462755	NA	Provided by Lab
B	Adapter	FSP	FSP065-RBBN3	NA	NA	Supplied by applicant
C	Notebook	Getac	V120	N/A	N/A	Supplied by applicant

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	Power cable	1	1.75	No	No	Supplied by applicant

4 Test Instruments

The calibration interval of the all test instruments are 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

4.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2025/5/23	2026/5/22
PXA Signal Analyzer Keysight	N9030B	MY57140938	2025/3/24	2026/3/23
Radio Communication Analyzer Anritsu	MT8821C	6261806803	2025/2/19	2026/2/18
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2025/6/22 ~ 2025/6/26

4.2 Radiated Spurious Emissions below 1GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower KaiTuo	N/A	N/A	N/A	N/A
Antenna Tower Controller KaiTuo	KT-2000	N/A	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-995	2024/10/9	2025/10/8
Loop Antenna TESEQ	HLA 6121	45745	2024/8/21	2025/8/20
MXE EMI Receiver Agilent	N9038A	MY52260177	2024/9/19	2025/9/18
Preamplifier EMCI	EMC330N	980783	2025/1/14	2026/1/13
PXA Signal Analyzer Keysight	N9030B	MY57140488	2025/3/11	2026/3/10
RF Coaxial Cable EMCI	EMCCFD400-NM-NM-500	201245	2025/1/14	2026/1/13
	EMCCFD400-NM-NM-3000	201250	2025/1/14	2026/1/13
	EMCCFD400-NM-NM-9000	201252(with PAD)	2025/1/14	2026/1/13
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table Max-Full	MFT-151SS-0.5T	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802BS	MF780208675	N/A	N/A

Notes:

1. The test was performed in WM - 966 chamber 7.
2. Tested Date: 2025/6/15

4.3 Radiated Spurious Emissions above 1GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower KaiTuo	N/A	N/A	N/A	N/A
Antenna Tower Controller KaiTuo	KT-2000	N/A	N/A	N/A
Horn Antenna RFSPIN	DRH18-E	210104A18E	2024/11/10	2025/11/9
Horn Antenna Schwarzbeck	BBHA 9170	9170-1048	2024/11/10	2025/11/9
MXE EMI Receiver Agilent	N9038A	MY52260177	2024/9/19	2025/9/18
Preamplifier EMCI	EMC118A45SE	980810	2024/12/26	2025/12/25
	EMC184045SE	980787	2025/1/14	2026/1/13
PXA Signal Analyzer Keysight	N9030B	MY57140488	2025/3/11	2026/3/10
RF Coaxial Cable EMCI	EMC101G-KM-KM-2000	201254	2025/1/14	2026/1/13
	EMC101G-KM-KM-3000	201258	2025/1/14	2026/1/13
	EMC101G-KM-KM-5000	201261	2025/1/14	2026/1/13
	EMC104-SM-SM-1000	210101	2025/1/14	2026/1/13
	EMC104-SM-SM-3000	201242	2025/1/14	2026/1/13
	EMC104-SM-SM-9000	201230	2025/1/14	2026/1/13
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table Max-Full	MFT-151SS-0.5T	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802BS	MF780208675	N/A	N/A

Notes:

1. The test was performed in WM - 966 chamber 7.
2. Tested Date: 2025/5/23 ~ 2025/6/18

5 Limits of Test Items

5.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

For WCDMA Band 5, LTE Band 5, LTE Band 26 (824 MHz ~ 849 MHz):

The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

For WCDMA Band 2, LTE Band 2, LTE Band 25:

Mobile and portable stations are limited to 2 watts EIRP.

For LTE Band 14:

Control stations and mobile stations transmitting in the 758-768 MHz band and the 788-798 MHz band are limited to 30 watts ERP.

For LTE Band 26 (814 MHz ~ 824 MHz):

The maximum output power of the transmitter for mobile stations is 100 watts (20 dBw) ERP.

For LTE Band 12, LTE Band 17, LTE Band 71:

Control and mobile stations in the 698-746 MHz band are limited to 30 watts ERP.

For LTE Band 13:

Control stations and mobile stations transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands and fixed stations transmitting in the 787-788 MHz and 805-806 MHz bands are limited to 30 watts ERP.

For WCDMA Band 4, LTE Band 4, LTE Band 66:

Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP.

For LTE Band 7, LTE Band 38, LTE Band 41:

Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

5.2 Radiated Spurious Emissions below 1GHz

For WCDMA Band 2, WCDMA Band 5, LTE Band 2, LTE Band 5, LTE Band 25, LTE Band 26 (824 MHz ~ 849 MHz):

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. The emission limit equal to -13 dBm.

For LTE Band 14:

According to FCC 47 CFR part 90.543 (e), for operations in the 758-768 MHz and the 788-798 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log(P)$ dB.

For LTE Band 26 (814 MHz ~ 824 MHz):

For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

For §90.691(a), RBW = 100 kHz for offset greater than 37.5 kHz from channel edge is allowed.

For LTE Band 12, LTE Band 17, LTE Band 71:

According to FCC 47 CFR part 27.53(g), for operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB. The limit of emissions is equal to -13 dBm.

For LTE Band 13:

According to FCC 47 CFR part 27.53(c)(2), for on any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB. The limit of emissions is equal to -13 dBm.

For WCDMA Band 4, LTE Band 4, LTE Band 66:

According to FCC 47 CFR part 27.53(h), for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log(P)$ dB. The limit of emission is equal to -13 dBm.

For LTE Band 7, LTE Band 38, LTE Band 41:

According to FCC 47 CFR part 27.53(m)(4), on any frequency outside a licensee's frequency block, The power of any emission shall be attenuated below the transmitter power (P) by at least $55 + 10 \log(P)$ dB. The emission limit equal to -25 dBm.

5.3 Radiated Spurious Emissions above 1GHz

For WCDMA Band 2, WCDMA Band 5, LTE Band 2, LTE Band 5, LTE Band 25, LTE Band 26 (824 MHz ~ 849 MHz):

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. The emission limit equal to -13 dBm.

For LTE Band 14:

According to FCC 47 CFR part 90.543 (e), for operations in the 758-768 MHz and the 788-798 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log(P)$ dB.

According to FCC 47 CFR part 90.543 (f), for operations in the 758-775 MHz and 788-805 MHz bands, all emissions including harmonics 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.

For LTE Band 26 (814 MHz ~ 824 MHz):

For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

For §90.691(a), RBW = 100 kHz for offset greater than 37.5 kHz from channel edge is allowed.

For LTE Band 12, LTE Band 17, LTE Band 71:

According to FCC 47 CFR part 27.53(g), for operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB. The limit of emissions is equal to -13 dBm.

For LTE Band 13:

According to FCC 47 CFR part 27.53(c)(2), for on any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB. The limit of emissions is equal to -13 dBm.

For operations in the 775-788 MHz, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz (EIRP). The limit of emissions is equal to -40 dBm.

For WCDMA Band 4, LTE Band 4, LTE Band 66:

According to FCC 47 CFR part 27.53(h), for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log(P)$ dB. The limit of emission is equal to -13 dBm.

For LTE Band 7, LTE Band 38, LTE Band 41:

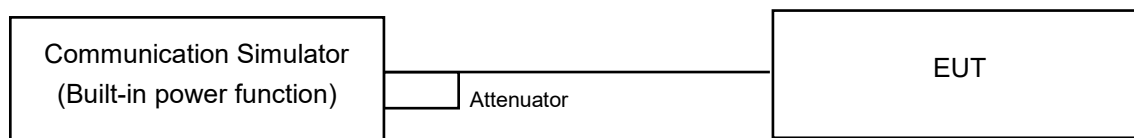
According to FCC 47 CFR part 27.53(m)(4), on any frequency outside a licensee's frequency block, The power of any emission shall be attenuated below the transmitter power (P) by at least $55 + 10 \log(P)$ dB. The emission limit equal to -25 dBm.

6 Test Arrangements

6.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

6.1.1 Test Setup

Conducted Power Measurement:



6.1.2 Test Procedure

Conducted Power Measurement:

The EUT is configured by emulator to set data modulation and maximum power using WWAN technology. The average (rms) power measurement was performed on emulator and power value was measured from power function on emulator. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.

Maximum EIRP / ERP

The relevant equation for determining the maximum ERP or EIRP from the measured RF output power is given in Equation as follows:

$$\text{EIRP} = P_{\text{Meas}} + G_T$$

$$\text{ERP} = P_{\text{Meas}} + G_T - 2.15$$

where

ERP or EIRP effective radiated power or equivalent isotropically radiated power, respectively

(expressed in the same units as P_{Meas} , e.g., dBm or dBW)

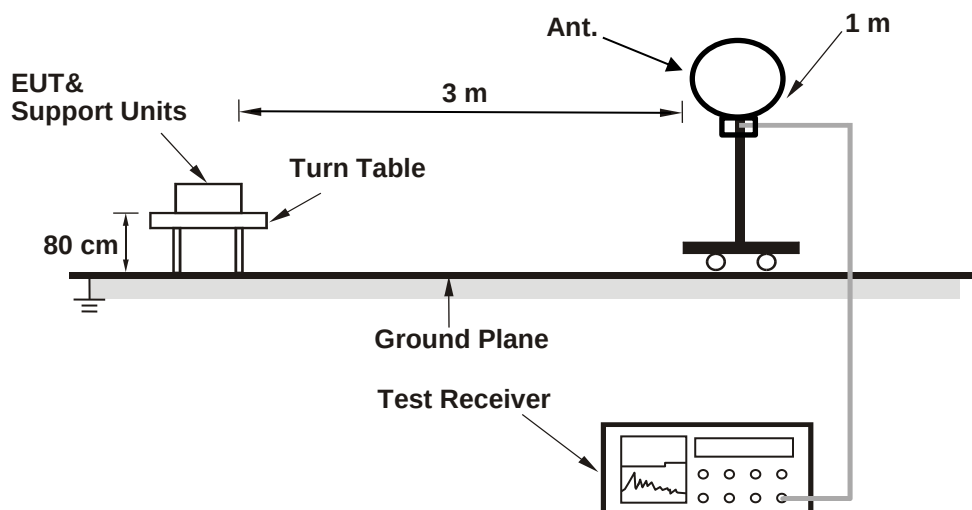
P_{Meas} measured transmitter output power or PSD, in dBm or dBW

G_T gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP)

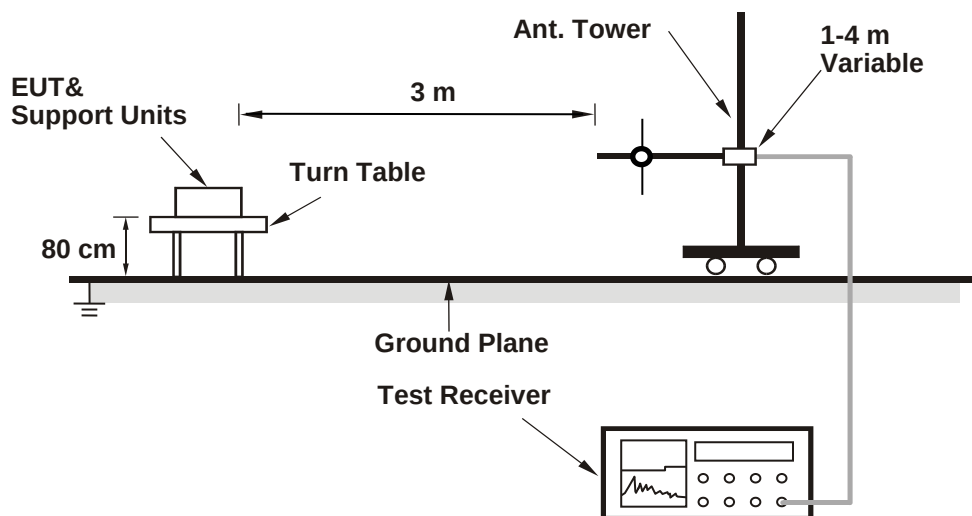
6.2 Radiated Spurious Emissions below 1GHz

6.2.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



For the actual test configuration, please refer to the attached file (Test Setup Photo).

6.2.2 Test Procedure

The EUT is configured to set data modulation and maximum power using WWAN technology.

- a. In the semi-anechoic chamber, EUT placed on the 0.8 m (below or equal 1 GHz) height of turn table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- b. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- c. Perform a field strength measurement and record the worse read value, is the field strength value via a spectrum reading obtained corrected for antenna factor, cable loss and pre-amplifier factor and then mathematically convert the measured field strength level to EIRP/ERP level.
- d. Following ANSI C63.26 section 5.5 and 5.2.7
- e. $EIRP (dBm) = E (dB\mu V/m) + 20\log(D) - 104.8$; where D is the measurement distance (in the far field region) in m.
- f. $ERP (dBm) = E (dB\mu V/m) + 20\log(D) - 104.8 - 2.15$; where D is the measurement distance (in the far field region) in m.

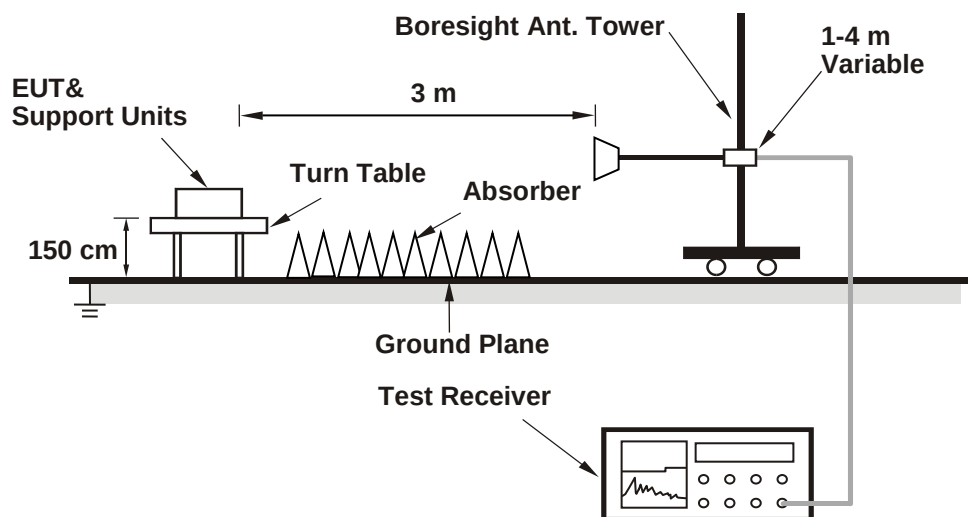
Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz/3 MHz. Set detector = average.
2. The amplitude of spurious emissions in the range 9 kHz to 30 MHz which are attenuated more than 20 dB below the permissible value need not be reported.

6.3 Radiated Spurious Emissions above 1GHz

6.3.1 Test Setup

For radiated emission above 1 GHz



For the actual test configuration, please refer to the attached file (Test Setup Photo).

6.3.2 Test Procedure

The EUT is configured to set data modulation and maximum power using WWAN technology.

- In the semi-anechoic chamber, EUT placed on the 1.5 m height of turn table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- Perform a field strength measurement and record the worse read value, is the field strength value via a spectrum reading obtained corrected for antenna factor, cable loss and pre-amplifier factor and then mathematically convert the measured field strength level to EIRP/ERP level.
- Following ANSI C63.26 section 5.5 and 5.2.7
- $EIRP (dBm) = E (dB\mu V/m) + 20\log(D) - 104.8$; where D is the measurement distance (in the far field region) in m.
- $ERP (dBm) = E (dB\mu V/m) + 20\log(D) - 104.8 - 2.15$; where D is the measurement distance (in the far field region) in m.

Note: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz/3 MHz. Set detector = average.

7 Test Results of Test Item

7.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

Input Power:	7.74 Vdc	Environmental Conditions:	22°C, 68% RH	Tested By:	Noah Chang
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7.1.1 WCDMA Band 2

Measurement Conducted Power (dBm)			
TX Channel	9262	9400	9538
Rx Channel	9662	9800	9938
Frequency	1852.4	1880	1907.6
RMC 12.2K	20.68	20.84	20.79
HSDPA Subtest-1	19.53	19.72	19.65
HSDPA Subtest-2	19.52	19.69	19.64
HSDPA Subtest-3	19.07	19.28	19.17
HSDPA Subtest-4	19.01	19.24	19.15
DC-HSDPA Subtest-1	19.48	19.68	19.62
DC-HSDPA Subtest-2	19.47	19.65	19.61
DC-HSDPA Subtest-3	19.05	19.24	19.16
DC-HSDPA Subtest-4	19.01	19.21	19.11
HSUPA Subtest-1	19.49	19.71	19.74
HSUPA Subtest-2	17.50	17.72	17.63
HSUPA Subtest-3	18.52	18.71	18.64
HSUPA Subtest-4	17.58	17.69	17.65
HSUPA Subtest-5	19.30	19.60	19.50
HSPA+ Subtest-1	17.03	17.21	17.13

Output Power				
Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
17.03	20.84	18.84	22.65	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.2 WCDMA Band 4

Measurement Conducted Power (dBm)			
TX Channel	1312	1413	1513
Rx Channel	1537	1638	1738
Frequency	1712.4	1732.6	1752.6
RMC 12.2K	18.66	18.70	18.83
HSDPA Subtest-1	17.69	17.58	17.78
HSDPA Subtest-2	17.59	17.57	17.75
HSDPA Subtest-3	17.17	17.11	17.29
HSDPA Subtest-4	17.07	17.07	16.90
DC-HSDPA Subtest-1	17.66	17.55	17.73
DC-HSDPA Subtest-2	17.57	17.54	17.71
DC-HSDPA Subtest-3	17.16	17.10	17.23
DC-HSDPA Subtest-4	17.05	17.02	16.85
HSUPA Subtest-1	17.60	17.53	17.74
HSUPA Subtest-2	15.48	15.55	15.68
HSUPA Subtest-3	16.63	16.57	16.81
HSUPA Subtest-4	15.60	15.54	15.80
HSUPA Subtest-5	17.50	17.40	17.60
HSPA+ Subtest-1	15.10	15.08	15.23

Output Power				
Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
15.08	18.83	16.11	19.86	30.00

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.3 WCDMA Band 5

Band	WCDMA V		
TX Channel	4132	4182	4233
Rx Channel	4357	4407	4458
Frequency	826.4	836.4	846.6
RMC 12.2K	22.93	23.04	23.04
HSDPA Subtest-1	21.96	21.95	21.88
HSDPA Subtest-2	21.12	21.92	21.84
HSDPA Subtest-3	21.46	21.87	21.40
HSDPA Subtest-4	21.45	21.42	21.38
DC-HSDPA Subtest-1	21.91	21.92	21.83
DC-HSDPA Subtest-2	21.10	21.93	21.78
DC-HSDPA Subtest-3	21.42	21.84	21.37
DC-HSDPA Subtest-4	21.41	21.38	21.34
HSUPA Subtest-1	21.68	21.82	21.72
HSUPA Subtest-2	19.88	19.97	19.86
HSUPA Subtest-3	20.97	20.85	20.88
HSUPA Subtest-4	19.90	19.48	19.88
HSUPA Subtest-5	21.66	21.87	21.70
HSPA+ Subtest-1	19.46	19.00	19.21

Output Power				
Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
19.00	23.04	17.59	21.63	38.45

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

ERP (dBm) = EIRP (dBm) - 2.15

7.1.4 LTE Band 2

LTE Band 2, Channel Bandwidth: 1.4 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18607	CH 18900	CH 19193
			1850.7 MHz	1880 MHz	1909.3 MHz
QPSK	1	0	20.26	20.43	20.29
	1	2	20.13	20.37	20.22
	1	5	20.12	20.38	20.15
	3	0	20.18	20.38	20.25
	3	1	20.13	20.33	20.19
	3	3	20.12	20.36	20.14
	6	0	19.14	19.38	19.15
16QAM	1	0	19.19	19.36	19.16
	1	2	19.16	19.32	19.23
	1	5	19.13	19.32	19.23
	3	0	19.11	19.34	19.15
	3	1	19.18	19.35	19.19
	3	3	19.13	19.36	19.16
	6	0	18.11	18.38	18.21
64QAM	1	0	18.11	18.38	18.22
	1	2	18.18	18.34	18.16
	1	5	18.19	18.37	18.21
	3	0	18.13	18.37	18.18
	3	1	18.14	18.37	18.18
	3	3	18.15	18.39	18.16
	6	0	17.13	17.34	17.17

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.14	20.43	20.95	22.24	33.01
16QAM	18.11	19.36	19.92	21.17	33.01
64QAM	17.13	18.39	18.94	20.20	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 2, Channel Bandwidth: 3 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18615	CH 18900	CH 19185
			1851.5 MHz	1880 MHz	1908.5 MHz
QPSK	1	0	20.28	20.45	20.32
	1	7	20.14	20.37	20.23
	1	14	20.16	20.38	20.17
	8	0	19.25	19.46	19.30
	8	3	19.18	19.41	19.26
	8	7	19.14	19.38	19.20
	15	0	19.23	19.45	19.28
16QAM	1	0	19.22	19.40	19.19
	1	7	19.18	19.47	19.25
	1	14	19.25	19.40	19.16
	8	0	18.22	18.33	18.23
	8	3	18.17	18.43	18.21
	8	7	18.21	18.46	18.20
	15	0	18.25	18.40	18.24
64QAM	1	0	18.18	18.45	18.17
	1	7	18.28	18.37	18.31
	1	14	18.20	18.47	18.26
	8	0	17.16	17.32	17.29
	8	3	17.16	17.35	17.24
	8	7	17.14	17.34	17.16
	15	0	17.18	17.47	17.32

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.14	20.45	20.95	22.26	33.01
16QAM	18.17	19.47	19.98	21.28	33.01
64QAM	17.14	18.47	18.95	20.28	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 2, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18625	CH 18900	CH 19175
			1852.5 MHz	1880 MHz	1907.5 MHz
QPSK	1	0	20.23	20.47	20.29
	1	12	20.12	20.37	20.20
	1	24	20.13	20.33	20.21
	12	0	19.26	19.46	19.32
	12	6	19.22	19.44	19.24
	12	13	19.14	19.37	19.18
	25	0	19.23	19.39	19.23
16QAM	1	0	19.20	19.48	19.15
	1	12	19.13	19.40	19.23
	1	24	19.13	19.46	19.30
	12	0	18.20	18.41	18.15
	12	6	18.28	18.47	18.31
	12	13	18.27	18.40	18.23
	25	0	18.26	18.47	18.30
64QAM	1	0	18.29	18.48	18.27
	1	12	18.11	18.49	18.17
	1	24	18.18	18.43	18.24
	12	0	17.18	17.38	17.19
	12	6	17.17	17.34	17.23
	12	13	17.26	17.37	17.17
	25	0	17.15	17.46	17.21

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.14	20.47	20.95	22.28	33.01
16QAM	18.15	19.48	19.96	21.29	33.01
64QAM	17.15	18.49	18.96	20.30	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 2, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18650	CH 18900	CH 19150
			1855 MHz	1880 MHz	1905 MHz
QPSK	1	0	20.26	20.49	20.31
	1	24	20.19	20.42	20.24
	1	49	20.20	20.36	20.18
	25	0	19.29	19.49	19.32
	25	12	19.18	19.40	19.23
	25	25	19.13	19.38	19.16
	50	0	19.24	19.43	19.23
16QAM	1	0	19.12	19.33	19.22
	1	24	19.17	19.47	19.20
	1	49	19.20	19.32	19.30
	25	0	18.17	18.40	18.29
	25	12	18.12	18.37	18.23
	25	25	18.26	18.43	18.16
	50	0	18.24	18.42	18.23
64QAM	1	0	18.27	18.33	18.24
	1	24	18.13	18.37	18.29
	1	49	18.26	18.41	18.21
	25	0	17.14	17.38	17.29
	25	12	17.21	17.43	17.30
	25	25	17.18	17.36	17.25
	50	0	17.13	17.45	17.24

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.13	20.49	20.94	22.30	33.01
16QAM	18.12	19.47	19.93	21.28	33.01
64QAM	17.13	18.41	18.94	20.22	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 2, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18675	CH 18900	CH 19125
			1857.5 MHz	1880 MHz	1902.5 MHz
QPSK	1	0	20.27	20.44	20.33
	1	37	20.17	20.37	20.25
	1	74	20.19	20.41	20.18
	36	0	19.29	19.48	19.30
	36	19	19.20	19.41	19.26
	36	39	19.15	19.36	19.18
	75	0	19.23	19.40	19.22
16QAM	1	0	19.19	19.37	19.22
	1	37	19.26	19.49	19.29
	1	74	19.16	19.39	19.24
	36	0	18.27	18.47	18.21
	36	19	18.27	18.46	18.25
	36	39	18.22	18.43	18.25
	75	0	18.15	18.36	18.21
64QAM	1	0	18.16	18.42	18.19
	1	37	18.17	18.37	18.21
	1	74	18.25	18.50	18.23
	36	0	17.13	17.40	17.31
	36	19	17.20	17.36	17.15
	36	39	17.25	17.34	17.31
	75	0	17.28	17.43	17.26

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.15	20.44	20.96	22.25	33.01
16QAM	18.15	19.49	19.96	21.30	33.01
64QAM	17.13	18.5	18.94	20.31	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 2, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18700	CH 18900	CH 19100
			1860 MHz	1880 MHz	1900 MHz
QPSK	1	0	20.40	20.61	20.44
	1	50	20.27	20.59	20.30
	1	99	20.21	20.47	20.28
	50	0	19.39	19.79	19.42
	50	25	19.33	19.77	19.32
	50	50	19.23	19.72	19.27
	100	0	19.33	19.71	19.32
16QAM	1	0	19.39	19.75	19.32
	1	50	19.34	19.73	19.34
	1	99	19.26	19.68	19.43
	50	0	18.26	18.71	18.25
	50	25	18.22	18.66	18.41
	50	50	18.34	18.63	18.37
	100	0	18.26	18.58	18.43
64QAM	1	0	18.35	18.67	18.30
	1	50	18.34	18.63	18.32
	1	99	18.34	18.54	18.25
	50	0	17.39	17.72	17.28
	50	25	17.35	17.69	17.43
	50	50	17.24	17.62	17.36
	100	0	17.29	17.61	17.26

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.23	20.61	21.04	22.42	33.01
16QAM	18.22	19.75	20.03	21.56	33.01
64QAM	17.24	18.67	19.05	20.48	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.5 LTE Band 4

LTE Band 4, Channel Bandwidth: 1.4 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 19957	CH 20175	CH 20393
			1710.7 MHz	1732.5 MHz	1754.3 MHz
QPSK	1	0	19.11	19.18	19.14
	1	2	19.00	19.06	19.09
	1	5	19.04	19.07	19.03
	3	0	19.05	19.11	19.08
	3	1	19.04	19.02	19.05
	3	3	19.01	19.07	19.04
	6	0	18.03	18.10	18.06
16QAM	1	0	18.03	18.08	18.08
	1	2	18.03	18.08	18.08
	1	5	18.00	18.06	18.03
	3	0	18.06	18.10	18.05
	3	1	18.01	18.03	18.03
	3	3	18.03	18.07	18.08
	6	0	17.02	17.11	17.02
64QAM	1	0	17.00	17.10	17.08
	1	2	17.03	17.05	17.03
	1	5	17.04	17.08	17.05
	3	0	17.03	17.04	17.02
	3	1	17.02	17.07	17.09
	3	3	17.00	17.06	17.02
	6	0	16.03	16.05	16.02

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	18.03	19.18	19.06	20.21	30
16QAM	17.02	18.1	18.05	19.13	30
64QAM	16.02	17.1	17.05	18.13	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 4, Channel Bandwidth: 3 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 19965	CH 20175	CH 20385
			1711.5 MHz	1732.5 MHz	1753.5 MHz
QPSK	1	0	19.17	19.15	19.18
	1	7	19.03	19.04	19.05
	1	14	19.04	19.05	19.02
	8	0	18.16	18.20	18.15
	8	3	18.11	18.10	18.11
	8	7	18.05	18.06	18.04
	15	0	18.13	18.14	18.12
16QAM	1	0	18.00	18.20	18.01
	1	7	18.12	18.13	18.10
	1	14	18.14	18.16	18.05
	8	0	17.14	17.04	17.15
	8	3	17.07	17.18	17.15
	8	7	17.06	17.15	17.02
	15	0	17.02	17.08	17.10
64QAM	1	0	17.17	17.11	17.07
	1	7	17.12	17.04	17.10
	1	14	17.05	17.10	17.16
	8	0	16.00	16.07	16.15
	8	3	16.11	16.16	16.13
	8	7	16.05	16.09	16.01
	15	0	16.00	16.13	16.02

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	18.04	19.18	19.07	20.21	30
16QAM	17.02	18.2	18.05	19.23	30
64QAM	16	17.16	17.03	18.19	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 4, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 19975	CH 20175	CH 20375
			1712.5 MHz	1732.5 MHz	1752.5 MHz
QPSK	1	0	19.13	19.20	19.15
	1	12	19.10	19.03	19.09
	1	24	19.01	19.09	19.00
	12	0	18.17	18.19	18.18
	12	6	18.12	18.15	18.09
	12	13	18.04	18.04	18.07
	25	0	18.09	18.14	18.09
16QAM	1	0	18.16	18.17	18.03
	1	12	18.18	18.07	18.07
	1	24	18.15	18.20	18.14
	12	0	17.10	17.11	17.03
	12	6	17.15	17.15	17.18
	12	13	17.15	17.19	17.13
	25	0	17.01	17.13	17.05
64QAM	1	0	17.16	17.10	17.04
	1	12	17.05	17.08	17.07
	1	24	17.13	17.11	17.12
	12	0	16.03	16.13	16.11
	12	6	16.02	16.12	16.09
	12	13	16.17	16.18	16.10
	25	0	16.05	16.08	16.07

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	18.04	19.20	19.07	20.23	30
16QAM	17.01	18.2	18.04	19.23	30
64QAM	16.02	17.12	17.05	18.15	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 4, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20000	CH 20175	CH 20350
			1715 MHz	1732.5 MHz	1750 MHz
QPSK	1	0	19.12	19.16	19.14
	1	24	19.02	19.06	19.09
	1	49	19.01	19.02	19.04
	25	0	18.17	18.19	18.17
	25	12	18.08	18.13	18.11
	25	25	18.04	18.09	18.04
	50	0	18.12	18.16	18.14
16QAM	1	0	18.16	18.13	18.09
	1	24	18.05	18.13	18.09
	1	49	18.02	18.04	18.02
	25	0	17.01	17.12	17.09
	25	12	17.18	17.04	17.15
	25	25	17.10	17.16	17.11
	50	0	17.00	17.14	17.15
64QAM	1	0	17.08	17.10	17.13
	1	24	17.06	17.18	17.18
	1	49	17.03	17.07	17.03
	25	0	16.05	16.20	16.05
	25	12	16.08	16.07	16.07
	25	25	16.11	16.06	16.07
	50	0	16.13	16.07	16.16

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	18.04	19.16	19.07	20.19	30
16QAM	17	18.13	18.03	19.16	30
64QAM	16.05	17.18	17.08	18.21	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 4, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20025	CH 20175	CH 20325
			1717.5 MHz	1732.5 MHz	1747.5 MHz
QPSK	1	0	19.13	19.19	19.17
	1	37	19.03	19.12	19.06
	1	74	19.07	19.10	19.06
	36	0	18.15	18.20	18.18
	36	19	18.07	18.13	18.14
	36	39	18.05	18.07	18.02
	75	0	18.12	18.13	18.08
16QAM	1	0	18.13	18.20	18.10
	1	37	18.09	18.19	18.10
	1	74	18.06	18.20	18.11
	36	0	17.02	17.13	17.15
	36	19	17.03	17.07	17.10
	36	39	17.18	17.20	17.09
	75	0	17.15	17.14	17.14
64QAM	1	0	17.14	17.12	17.10
	1	37	17.01	17.17	17.13
	1	74	17.09	17.11	17.16
	36	0	16.17	16.12	16.04
	36	19	16.00	16.06	16.12
	36	39	16.17	16.09	16.02
	75	0	16.17	16.19	16.03

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	18.02	19.19	19.05	20.22	30
16QAM	17.02	18.2	18.05	19.23	30
64QAM	16	17.17	17.03	18.20	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 4, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20050	CH 20175	CH 20300
			1720 MHz	1732.5 MHz	1745 MHz
QPSK	1	0	19.24	19.27	19.25
	1	50	19.10	19.24	19.06
	1	99	19.09	19.18	19.07
	50	0	18.16	18.32	18.21
	50	25	18.09	18.31	18.12
	50	50	18.05	18.29	18.10
	100	0	18.08	18.23	18.17
16QAM	1	0	18.00	18.30	18.19
	1	50	18.12	18.24	18.12
	1	99	18.16	18.20	18.06
	50	0	17.07	17.27	17.13
	50	25	17.17	17.23	17.09
	50	50	17.16	17.21	17.10
	100	0	17.01	17.18	17.07
64QAM	1	0	17.06	17.29	17.20
	1	50	17.08	17.22	17.21
	1	99	17.01	17.17	17.17
	50	0	16.08	16.28	16.16
	50	25	16.01	16.26	16.08
	50	50	16.07	16.23	16.15
	100	0	16.04	16.20	16.05

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	18.05	19.27	19.08	20.30	30
16QAM	17.01	18.3	18.04	19.33	30
64QAM	16.01	17.29	17.04	18.32	30

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.6 LTE Band 5

LTE Band 5, Channel Bandwidth: 1.4 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20407	CH 20525	CH 20643
			824.7 MHz	836.5 MHz	848.3 MHz
QPSK	1	0	22.32	22.31	22.35
	1	2	22.25	22.19	22.26
	1	5	22.25	22.20	22.21
	3	0	22.24	22.23	22.26
	3	1	22.19	22.17	22.23
	3	3	22.20	22.20	22.23
	6	0	21.24	21.24	21.28
16QAM	1	0	21.22	21.23	21.25
	1	2	21.19	21.26	21.24
	1	5	21.17	21.19	21.28
	3	0	21.19	21.18	21.22
	3	1	21.18	21.22	21.24
	3	3	21.17	21.20	21.20
	6	0	20.16	20.24	20.23
64QAM	1	0	20.21	20.22	20.27
	1	2	20.16	20.20	20.28
	1	5	20.24	20.26	20.27
	3	0	20.18	20.25	20.20
	3	1	20.17	20.24	20.23
	3	3	20.17	20.23	20.25
	6	0	19.20	19.23	19.27

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.24	22.35	19.83	20.94	38.45
16QAM	20.16	21.28	18.75	19.87	38.45
64QAM	19.2	20.28	17.79	18.87	38.45

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

ERP (dBm) = EIRP (dBm) - 2.15

LTE Band 5, Channel Bandwidth: 3 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20415	CH 20525	CH 20635
			825.5 MHz	836.5 MHz	847.5 MHz
QPSK	1	0	22.34	22.34	22.38
	1	7	22.16	22.24	22.23
	1	14	22.25	22.23	22.25
	8	0	21.34	21.35	21.36
	8	3	21.27	21.27	21.28
	8	7	21.17	21.23	21.23
	15	0	21.23	21.26	21.33
16QAM	1	0	21.24	21.31	21.23
	1	7	21.29	21.23	21.23
	1	14	21.28	21.21	21.36
	8	0	20.19	20.21	20.22
	8	3	20.21	20.23	20.29
	8	7	20.26	20.23	20.22
	15	0	20.22	20.2	20.29
64QAM	1	0	20.34	20.29	20.33
	1	7	20.23	20.32	20.31
	1	14	20.34	20.31	20.34
	8	0	19.27	19.26	19.32
	8	3	19.26	19.31	19.36
	8	7	19.29	19.21	19.21
	15	0	19.33	19.24	19.34

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.17	22.38	19.76	20.97	38.45
16QAM	20.19	21.36	18.78	19.95	38.45
64QAM	19.21	20.34	17.8	18.93	38.45

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

ERP (dBm) = EIRP (dBm) - 2.15

LTE Band 5, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20425	CH 20525	CH 20625
			826.5 MHz	836.5 MHz	846.5 MHz
QPSK	1	0	22.30	22.36	22.33
	1	12	22.24	22.23	22.28
	1	24	22.23	22.23	22.27
	12	0	21.33	21.34	21.33
	12	6	21.26	21.25	21.27
	12	13	21.19	21.20	21.21
	25	0	21.26	21.30	21.27
16QAM	1	0	21.33	21.27	21.32
	1	12	21.33	21.32	21.23
	1	24	21.22	21.23	21.23
	12	0	20.23	20.27	20.25
	12	6	20.17	20.26	20.23
	12	13	20.24	20.24	20.34
	25	0	20.19	20.26	20.26
64QAM	1	0	20.28	20.20	20.26
	1	12	20.27	20.35	20.24
	1	24	20.27	20.30	20.20
	12	0	19.29	19.25	19.26
	12	6	19.32	19.23	19.35
	12	13	19.28	19.35	19.34
	25	0	19.22	19.31	19.27

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.19	22.36	19.78	20.95	38.45
16QAM	20.17	21.33	18.76	19.92	38.45
64QAM	19.22	20.35	17.81	18.94	38.45

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

ERP (dBm) = EIRP (dBm) - 2.15

LTE Band 5, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20450	CH 20525	CH 20600
			829 MHz	836.5 MHz	844 MHz
QPSK	1	0	22.35	22.37	22.39
	1	24	22.23	22.33	22.29
	1	49	22.24	22.31	22.19
	25	0	21.34	21.37	21.38
	25	12	21.27	21.36	21.3
	25	25	21.17	21.31	21.25
	50	0	21.26	21.27	21.34
16QAM	1	0	21.21	21.29	21.21
	1	24	21.23	21.26	21.33
	1	49	21.28	21.21	21.35
	25	0	20.28	20.17	20.22
	25	12	20.26	20.15	20.28
	25	25	20.23	20.11	20.31
	50	0	20.18	20.06	20.25
64QAM	1	0	20.21	20.13	20.31
	1	24	20.28	20.11	20.33
	1	49	20.25	20.04	20.24
	25	0	19.27	19.11	19.31
	25	12	19.33	19.08	19.3
	25	25	19.31	19.06	19.26
	50	0	19.19	19.01	19.27

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.17	22.39	19.76	20.98	38.45
16QAM	20.06	21.35	18.65	19.94	38.45
64QAM	19.01	20.33	17.6	18.92	38.45

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

ERP (dBm) = EIRP (dBm) - 2.15

7.1.7 LTE Band 7

LTE Band 7, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20775	CH 21100	CH 21425
			2502.5 MHz	2535 MHz	2567.5 MHz
QPSK	1	0	18.28	18.38	18.53
	1	12	18.20	18.27	18.45
	1	24	18.19	18.22	18.41
	12	0	17.29	17.36	17.52
	12	6	17.26	17.29	17.45
	12	13	17.21	17.22	17.36
	25	0	17.26	17.28	17.45
16QAM	1	0	17.19	17.35	17.43
	1	12	17.21	17.35	17.46
	1	24	17.23	17.29	17.45
	12	0	16.20	16.27	16.36
	12	6	16.16	16.30	16.43
	12	13	16.26	16.28	16.50
	25	0	16.18	16.35	16.35
64QAM	1	0	16.30	16.23	16.47
	1	12	16.24	16.21	16.36
	1	24	16.18	16.27	16.39
	12	0	15.25	15.21	15.43
	12	6	15.15	15.25	15.49
	12	13	15.28	15.27	15.46
	25	0	15.25	15.19	15.49

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	17.21	18.53	19.20	20.52	33.01
16QAM	16.16	17.46	18.15	19.45	33.01
64QAM	15.15	16.47	17.14	18.46	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 7, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20800	CH 21100	CH 21400
			2505 MHz	2535 MHz	2565 MHz
QPSK	1	0	18.32	18.30	18.48
	1	24	18.18	18.25	18.40
	1	49	18.16	18.23	18.34
	25	0	17.32	17.33	17.50
	25	12	17.27	17.31	17.48
	25	25	17.17	17.24	17.36
	50	0	17.26	17.29	17.47
16QAM	1	0	17.19	17.28	17.46
	1	24	17.17	17.23	17.39
	1	49	17.25	17.20	17.43
	25	0	16.25	16.27	16.48
	25	12	16.32	16.20	16.37
	25	25	16.24	16.19	16.36
	50	0	16.27	16.19	16.52
64QAM	1	0	16.32	16.34	16.51
	1	24	16.27	16.30	16.39
	1	49	16.21	16.22	16.46
	25	0	15.21	15.24	15.42
	25	12	15.19	15.31	15.53
	25	25	15.32	15.34	15.52
	50	0	15.31	15.37	15.51

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	17.17	18.48	19.16	20.47	33.01
16QAM	17.17	18.48	19.16	20.47	33.01
64QAM	15.19	16.51	17.18	18.50	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 7, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20825	CH 21100	CH 21375
			2507.5 MHz	2535 MHz	2562.5 MHz
QPSK	1	0	18.33	18.36	18.49
	1	37	18.24	18.20	18.36
	1	74	18.15	18.27	18.34
	36	0	17.31	17.34	17.50
	36	19	17.23	17.26	17.45
	36	39	17.21	17.24	17.38
	75	0	17.22	17.32	17.45
16QAM	1	0	17.17	17.34	17.50
	1	37	17.27	17.23	17.47
	1	74	17.17	17.27	17.35
	36	0	16.18	16.23	16.50
	36	19	16.25	16.31	16.46
	36	39	16.22	16.32	16.35
	75	0	16.16	16.21	16.35
64QAM	1	0	16.32	16.24	16.46
	1	37	16.30	16.20	16.45
	1	74	16.16	16.30	16.42
	36	0	15.20	15.37	15.43
	36	19	15.31	15.34	15.44
	36	39	15.24	15.34	15.46
	75	0	15.24	15.34	15.44

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	17.21	18.49	19.20	20.48	33.01
16QAM	16.16	17.5	18.15	19.49	33.01
64QAM	15.2	16.46	17.19	18.45	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 7, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20850	CH 21100	CH 21350
			2510 MHz	2535 MHz	2560 MHz
QPSK	1	0	18.39	18.43	18.59
	1	50	18.27	18.29	18.39
	1	99	18.32	18.28	18.42
	50	0	17.40	17.49	17.58
	50	25	17.37	17.43	17.49
	50	50	17.29	17.41	17.45
	100	0	17.35	17.42	17.53
16QAM	1	0	17.27	17.47	17.41
	1	50	17.31	17.42	17.48
	1	99	17.42	17.38	17.56
	50	0	16.31	16.46	16.40
	50	25	16.38	16.42	16.44
	50	50	16.36	16.35	16.44
	100	0	16.31	16.37	16.58
64QAM	1	0	16.31	16.57	16.56
	1	50	16.28	16.51	16.51
	1	99	16.28	16.49	16.54
	50	0	15.28	15.48	15.52
	50	25	15.42	15.45	15.48
	50	50	15.32	15.42	15.57
	100	0	15.35	15.39	15.57

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	17.29	18.59	19.28	20.58	33.01
16QAM	16.31	17.56	18.30	19.55	33.01
64QAM	15.28	16.57	17.27	18.56	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.8 LTE Band 12

LTE Band 12, Channel Bandwidth: 1.4 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23017	CH 23095	CH 23173
			699.7 MHz	707.5 MHz	715.3 MHz
QPSK	1	0	22.78	22.83	22.81
	1	2	22.67	22.70	22.72
	1	5	22.65	22.76	22.72
	3	0	22.73	22.76	22.73
	3	1	22.63	22.71	22.71
	3	3	22.65	22.70	22.70
	6	0	21.64	21.73	21.69
16QAM	1	0	21.72	21.73	21.72
	1	2	21.67	21.71	21.70
	1	5	21.68	21.69	21.73
	3	0	21.69	21.74	21.70
	3	1	21.70	21.69	21.69
	3	3	21.69	21.76	21.76
	6	0	20.65	20.73	20.70
64QAM	1	0	20.70	20.77	20.70
	1	2	20.64	20.73	20.69
	1	5	20.68	20.70	20.75
	3	0	20.65	20.77	20.70
	3	1	20.71	20.72	20.76
	3	3	20.64	20.74	20.72
	6	0	19.66	19.75	19.74

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.64	22.83	21.88	23.07	34.77
16QAM	20.65	21.76	20.89	22	34.77
64QAM	19.66	20.77	19.9	21.01	34.77

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

ERP (dBm) = EIRP (dBm) - 2.15

LTE Band 12, Channel Bandwidth: 3 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23025	CH 23095	CH 23165
			700.5 MHz	707.5 MHz	714.5 MHz
QPSK	1	0	22.78	22.82	22.80
	1	7	22.64	22.71	22.70
	1	14	22.68	22.71	22.76
	8	0	21.80	21.85	21.83
	8	3	21.77	21.77	21.78
	8	7	21.65	21.75	21.71
	15	0	21.73	21.81	21.79
16QAM	1	0	21.67	21.71	21.72
	1	7	21.64	21.78	21.80
	1	14	21.81	21.70	21.85
	8	0	20.73	20.73	20.79
	8	3	20.67	20.77	20.71
	8	7	20.69	20.80	20.69
	15	0	20.73	20.74	20.74
64QAM	1	0	20.77	20.70	20.76
	1	7	20.74	20.73	20.83
	1	14	20.72	20.73	20.74
	8	0	19.71	19.76	19.73
	8	3	19.65	19.87	19.81
	8	7	19.76	19.87	19.79
	15	0	19.81	19.78	19.78

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.65	22.82	21.89	23.06	34.77
16QAM	20.67	21.85	20.91	22.09	34.77
64QAM	19.65	20.83	19.89	21.07	34.77

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)
ERP (dBm) = EIRP (dBm) - 2.15

LTE Band 12, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23035	CH 23095	CH 23155
			701.5 MHz	707.5 MHz	713.5 MHz
QPSK	1	0	22.81	22.85	22.84
	1	12	22.71	22.74	22.78
	1	24	22.72	22.73	22.69
	12	0	21.79	21.83	21.82
	12	6	21.75	21.78	21.78
	12	13	21.66	21.72	21.73
	25	0	21.73	21.78	21.75
16QAM	1	0	21.71	21.81	21.72
	1	12	21.69	21.77	21.70
	1	24	21.64	21.80	21.79
	12	0	20.75	20.81	20.70
	12	6	20.68	20.81	20.77
	12	13	20.67	20.74	20.72
	25	0	20.78	20.84	20.75
64QAM	1	0	20.67	20.83	20.81
	1	12	20.72	20.83	20.83
	1	24	20.75	20.82	20.76
	12	0	19.67	19.79	19.81
	12	6	19.66	19.73	19.68
	12	13	19.71	19.71	19.82
	25	0	19.67	19.87	19.69
Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.66	22.85	21.9	23.09	34.77
16QAM	20.67	21.81	20.91	22.05	34.77
64QAM	19.66	20.83	19.9	21.07	34.77

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

ERP (dBm) = EIRP (dBm) - 2.15

LTE Band 12, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23060	CH 23095	CH 23130
			704 MHz	707.5 MHz	711 MHz
QPSK	1	0	22.83	22.88	22.87
	1	24	22.74	22.83	22.70
	1	49	22.68	22.78	22.71
	25	0	21.79	21.86	21.82
	25	12	21.73	21.81	21.80
	25	25	21.66	21.77	21.74
	50	0	21.76	21.82	21.72
16QAM	1	0	21.78	21.73	21.79
	1	24	21.66	21.68	21.78
	1	49	21.69	21.66	21.76
	25	0	20.78	20.72	20.84
	25	12	20.68	20.69	20.77
	25	25	20.69	20.64	20.73
	50	0	20.66	20.62	20.74
64QAM	1	0	20.75	20.57	20.72
	1	24	20.68	20.55	20.73
	1	49	20.65	20.51	20.75
	25	0	19.67	19.56	19.75
	25	12	19.66	19.55	19.72
	25	25	19.76	19.51	19.84
	50	0	19.79	19.48	19.83

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.66	22.88	21.9	23.12	34.77
16QAM	20.62	21.79	20.86	22.03	34.77
64QAM	19.48	20.75	19.72	20.99	34.77

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

ERP (dBm) = EIRP (dBm) - 2.15

7.1.9 LTE Band 13

LTE Band 13, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23205	CH 23230	CH 23255
			779.5 MHz	782 MHz	784.5 MHz
QPSK	1	0	22.58	22.84	22.46
	1	12	22.45	22.70	22.46
	1	24	22.41	22.76	22.46
	12	0	21.52	21.86	21.61
	12	6	21.50	21.83	21.59
	12	13	21.45	21.71	21.44
	25	0	21.41	21.78	21.49
16QAM	1	0	21.44	21.70	21.43
	1	12	21.57	21.81	21.58
	1	24	21.61	21.84	21.44
	12	0	20.49	20.75	20.36
	12	6	20.52	20.75	20.41
	12	13	20.44	20.70	20.39
	25	0	20.58	20.84	20.57
64QAM	1	0	20.45	20.79	20.43
	1	12	20.43	20.73	20.34
	1	24	20.64	20.84	20.64
	12	0	19.44	19.74	19.53
	12	6	19.53	19.85	19.55
	12	13	19.44	19.71	19.51
	25	0	19.43	19.82	19.55

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.41	22.84	21.73	23.16	34.77
16QAM	20.36	21.84	20.68	22.16	34.77
64QAM	19.43	20.84	19.75	21.16	34.77

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 13, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 23230
			782 MHz
QPSK	1	0	22.89
	1	24	22.86
	1	49	22.83
	25	0	21.87
	25	12	21.82
	25	25	21.77
	50	0	21.82
16QAM	1	0	21.71
	1	24	21.65
	1	49	21.63
	25	0	20.81
	25	12	20.78
	25	25	20.73
	50	0	20.69
64QAM	1	0	20.74
	1	24	20.68
	1	49	20.65
	25	0	19.63
	25	12	19.58
	25	25	19.51
	50	0	19.53

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.77	22.89	22.09	23.21	34.77
16QAM	20.69	21.71	21.01	22.03	34.77
64QAM	19.51	20.74	19.83	21.06	34.77

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

ERP (dBm) = EIRP (dBm) - 2.15

7.1.10 LTE Band 14

LTE Band 14, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23305	CH 23330	CH 23355
			790.5 MHz	793 MHz	795.5 MHz
QPSK	1	0	22.43	22.70	22.31
	1	12	22.23	22.61	22.23
	1	24	22.35	22.64	22.27
	12	0	21.46	21.71	21.39
	12	6	21.41	21.66	21.37
	12	13	21.29	21.62	21.33
	25	0	21.30	21.67	21.41
16QAM	1	0	21.43	21.67	21.37
	1	12	21.35	21.62	21.23
	1	24	21.43	21.71	21.38
	12	0	20.40	20.66	20.41
	12	6	20.37	20.72	20.46
	12	13	20.47	20.67	20.47
	25	0	20.16	20.56	20.22
64QAM	1	0	20.29	20.66	20.46
	1	12	20.21	20.59	20.25
	1	24	20.39	20.68	20.29
	12	0	19.38	19.65	19.33
	12	6	19.34	19.61	19.40
	12	13	19.16	19.56	19.32
	25	0	19.52	19.73	19.34

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.29	22.7	20.77	22.18	34.77
16QAM	20.16	21.71	19.64	21.19	34.77
64QAM	19.16	20.68	18.64	20.16	34.77

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-2.15

LTE Band 14, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 23330
			793 MHz
QPSK	1	0	22.75
	1	24	22.73
	1	49	22.68
	25	0	21.78
	25	12	21.76
	25	25	21.71
	50	0	21.73
16QAM	1	0	21.68
	1	24	21.65
	1	49	21.63
	25	0	20.71
	25	12	20.64
	25	25	20.59
	50	0	20.62
64QAM	1	0	20.66
	1	24	20.54
	1	49	20.47
	25	0	19.52
	25	12	19.49
	25	25	19.43
	50	0	19.38

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.71	22.75	21.19	22.23	34.77
16QAM	20.59	21.68	20.07	21.16	34.77
64QAM	19.38	20.66	18.86	20.14	34.77

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

ERP (dBm) = EIRP (dBm) - 2.15

7.1.11 LTE Band 17

LTE Band 17, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23755	CH 23790	CH 23825
			706.5 MHz	710 MHz	713.5 MHz
QPSK	1	0	22.82	22.81	22.82
	1	12	22.68	22.74	22.75
	1	24	22.71	22.71	22.71
	12	0	21.83	21.84	21.83
	12	6	21.78	21.82	21.79
	12	13	21.71	21.72	21.69
	25	0	21.75	21.77	21.78
16QAM	1	0	21.70	21.76	21.75
	1	12	21.82	21.80	21.82
	1	24	21.82	21.80	21.82
	12	0	20.82	20.74	20.82
	12	6	20.80	20.77	20.69
	12	13	20.83	20.78	20.76
	25	0	20.67	20.83	20.70
64QAM	1	0	20.73	20.87	20.84
	1	12	20.70	20.83	20.76
	1	24	20.66	20.70	20.75
	12	0	19.75	19.74	19.84
	12	6	19.80	19.86	19.75
	12	13	19.82	19.78	19.85
	25	0	19.79	19.72	19.80

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.69	22.82	21.54	22.67	34.77
16QAM	20.67	21.82	20.52	21.67	34.77
64QAM	19.72	20.87	19.57	20.72	34.77

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

ERP (dBm) = EIRP (dBm) - 2.15

LTE Band 17, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23780	CH 23790	CH 23800
			709 MHz	710 MHz	711 MHz
QPSK	1	0	22.84	22.89	22.87
	1	24	22.74	22.72	22.74
	1	49	22.73	22.71	22.68
	25	0	21.81	21.85	21.83
	25	12	21.76	21.78	21.81
	25	25	21.70	21.72	21.72
	50	0	21.78	21.80	21.79
16QAM	1	0	21.71	21.86	21.71
	1	24	21.65	21.84	21.79
	1	49	21.66	21.76	21.79
	25	0	20.77	20.76	20.85
	25	12	20.75	20.86	20.78
	25	25	20.69	20.82	20.78
	50	0	20.78	20.79	20.76
64QAM	1	0	20.78	20.71	20.85
	1	24	20.78	20.70	20.80
	1	49	20.66	20.71	20.73
	25	0	19.73	19.74	19.69
	25	12	19.77	19.70	19.74
	25	25	19.73	19.71	19.69
	50	0	19.72	19.74	19.78

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.7	22.89	21.55	22.74	34.77
16QAM	20.69	21.86	20.54	21.71	34.77
64QAM	19.69	20.85	19.54	20.7	34.77

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

ERP (dBm) = EIRP (dBm) - 2.15

7.1.12 LTE Band 25

LTE Band 25, Channel Bandwidth: 1.4 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26047	CH 26365	CH 26683
			1850.7 MHz	1882.5 MHz	1914.3 MHz
QPSK	1	0	20.27	20.42	20.14
	1	2	20.18	20.32	20.05
	1	5	20.22	20.32	20.07
	3	0	20.22	20.38	20.09
	3	1	20.15	20.30	20.05
	3	3	20.15	20.27	20.01
	6	0	19.21	19.35	19.07
16QAM	1	0	19.20	19.36	19.07
	1	2	19.19	19.34	19.02
	1	5	19.16	19.29	19.06
	3	0	19.21	19.34	19.01
	3	1	19.16	19.34	19.06
	3	3	19.16	19.29	19.07
	6	0	18.16	18.34	18.04
64QAM	1	0	18.19	18.28	18.06
	1	2	18.19	18.32	18.06
	1	5	18.22	18.35	18.01
	3	0	18.19	18.33	18.02
	3	1	18.23	18.28	18.06
	3	3	18.16	18.29	18.05
	6	0	17.18	17.36	17.08

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.07	20.42	20.88	22.23	33.01
16QAM	18.04	19.36	19.85	21.17	33.01
64QAM	17.08	18.35	18.89	20.16	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 25, Channel Bandwidth: 3 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26055	CH 26365	CH 26675
			1851.5 MHz	1882.5 MHz	1913.5 MHz
QPSK	1	0	20.27	20.45	20.16
	1	7	20.21	20.27	20.02
	1	14	20.21	20.30	20.03
	8	0	19.30	19.43	19.17
	8	3	19.27	19.38	19.09
	8	7	19.16	19.29	19.07
	15	0	19.24	19.41	19.09
16QAM	1	7	19.15	19.39	19.15
	1	7	19.17	19.45	19.18
	1	14	19.32	19.42	19.18
	8	0	18.28	18.34	18.09
	8	3	18.21	18.36	18.10
	8	7	18.17	18.28	18.13
	15	0	18.19	18.32	18.09
64QAM	1	0	18.25	18.33	18.17
	1	7	18.21	18.41	18.09
	1	14	18.23	18.38	18.09
	8	0	17.26	17.29	17.18
	8	3	17.20	17.31	17.18
	8	7	17.15	17.36	17.04
	15	0	17.23	17.40	17.01

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.07	20.45	20.88	22.26	33.01
16QAM	18.09	19.45	19.90	21.26	33.01
64QAM	17.01	18.41	18.82	20.22	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 25, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26065	CH 26365	CH 26665
			1852.5 MHz	1882.5 MHz	1912.5 MHz
QPSK	1	0	20.27	20.43	20.19
	1	12	20.21	20.31	20.05
	1	24	20.22	20.30	20.05
	12	0	19.31	19.44	19.16
	12	6	19.24	19.35	19.09
	12	13	19.18	19.30	19.06
	25	0	19.23	19.35	19.13
16QAM	1	0	19.32	19.41	19.15
	1	12	19.22	19.30	19.18
	1	24	19.16	19.39	19.09
	12	0	18.19	18.31	18.07
	12	6	18.31	18.30	18.13
	12	13	18.17	18.44	18.16
	25	0	18.31	18.31	18.18
64QAM	1	0	18.30	18.41	18.04
	1	12	18.27	18.43	18.18
	1	24	18.29	18.42	18.04
	12	0	17.23	17.36	17.11
	12	6	17.30	17.31	17.17
	12	13	17.32	17.30	17.15
	25	0	17.26	17.39	17.16

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.06	20.43	20.87	22.24	33.01
16QAM	18.07	19.41	19.88	21.22	33.01
64QAM	17.11	18.43	18.92	20.24	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 25, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26090	CH 26365	CH 26640
			1855 MHz	1882.5 MHz	1910 MHz
QPSK	1	0	20.31	20.39	20.19
	1	24	20.25	20.37	20.11
	1	49	20.20	20.29	20.06
	25	0	19.29	19.45	19.16
	25	12	19.22	19.35	19.12
	25	25	19.21	19.29	19.05
	50	0	19.22	19.38	19.12
16QAM	1	0	19.32	19.42	19.12
	1	24	19.25	19.28	19.07
	1	49	19.15	19.31	19.10
	25	0	18.32	18.37	18.16
	25	12	18.30	18.34	18.07
	25	25	18.15	18.45	18.03
	50	0	18.26	18.28	18.17
64QAM	1	0	18.19	18.29	18.16
	1	24	18.28	18.32	18.12
	1	49	18.17	18.28	18.12
	25	0	17.22	17.32	17.02
	25	12	17.29	17.44	17.17
	25	25	17.19	17.33	17.02
	50	0	17.16	17.29	17.18

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.05	20.39	20.86	22.20	33.01
16QAM	18.03	19.42	19.84	21.23	33.01
64QAM	17.02	18.32	18.83	20.13	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 25, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26115	CH 26365	CH 26615
			1857.5 MHz	1882.5 MHz	1907.5 MHz
QPSK	1	0	20.33	20.46	20.16
	1	37	20.25	20.32	20.01
	1	74	20.22	20.36	20.00
	36	0	19.32	19.45	19.16
	36	19	19.22	19.39	19.08
	36	39	19.19	19.33	19.06
	75	0	19.27	19.35	19.09
16QAM	1	0	19.26	19.40	19.14
	1	37	19.29	19.36	19.06
	1	74	19.29	19.32	19.11
	36	0	18.31	18.41	18.09
	36	19	18.28	18.29	18.09
	36	39	18.21	18.37	18.12
	75	0	18.18	18.33	18.17
64QAM	1	0	18.30	18.41	18.14
	1	37	18.32	18.31	18.08
	1	74	18.29	18.40	18.08
	36	0	17.24	17.33	17.10
	36	19	17.18	17.45	17.12
	36	39	17.16	17.33	17.18
	75	0	17.29	17.29	17.04

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.06	20.46	20.87	22.27	33.01
16QAM	18.09	19.4	19.90	21.21	33.01
64QAM	17.04	18.41	18.85	20.22	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 25, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26140	CH 26365	CH 26590
			1860 MHz	1882.5 MHz	1905 MHz
QPSK	1	0	20.39	20.52	20.25
	1	50	20.20	20.46	20.09
	1	99	20.22	20.36	20.17
	50	0	19.31	19.65	19.27
	50	25	19.23	19.59	19.22
	50	50	19.16	19.55	19.14
	100	0	19.25	19.61	19.23
16QAM	1	0	19.24	19.55	19.24
	1	50	19.21	19.49	19.27
	1	99	19.15	19.45	19.16
	50	0	18.18	18.60	18.21
	50	25	18.19	18.57	18.26
	50	50	18.17	18.51	18.25
	100	0	18.33	18.49	18.19
64QAM	1	0	18.28	18.45	18.22
	1	50	18.32	18.38	18.15
	1	99	18.18	18.35	18.17
	50	0	17.18	17.56	17.15
	50	25	17.15	17.51	17.27
	50	50	17.31	17.48	17.13
	100	0	17.19	17.46	17.23

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.14	20.52	20.95	22.33	33.01
16QAM	18.17	19.55	19.98	21.36	33.01
64QAM	17.13	18.45	18.94	20.26	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.13 LTE Band 26 (814 MHz ~ 824 MHz)

LTE Band 26 (814 MHz ~ 824 MHz), Channel Bandwidth: 1.4 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26697	CH 26740	CH 26783
			814.7 MHz	819 MHz	823.3 MHz
QPSK	1	0	22.71	22.73	22.72
	1	2	22.59	22.63	22.62
	1	5	22.52	22.58	22.66
	3	0	21.67	21.72	21.72
	3	1	21.62	21.64	21.69
	3	3	21.53	21.61	21.60
	6	0	21.61	21.63	21.66
16QAM	1	0	21.57	21.64	21.76
	1	2	21.55	21.61	21.76
	1	5	21.57	21.69	21.73
	3	0	20.55	20.59	20.70
	3	1	20.65	20.61	20.68
	3	3	20.60	20.72	20.64
	6	0	20.59	20.59	20.73
64QAM	1	0	20.53	20.66	20.61
	1	2	20.52	20.72	20.70
	1	5	20.52	20.64	20.66
	3	0	19.66	19.66	19.75
	3	1	19.67	19.62	19.64
	3	3	19.64	19.64	19.60
	6	0	19.57	19.66	19.74

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.53	22.73	20.12	21.32	50.00
16QAM	20.55	21.76	19.14	20.35	50.00
64QAM	19.57	20.72	18.16	19.31	50.00

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

ERP (dBm) = EIRP (dBm) - 2.15

LTE Band 26 (814 MHz ~ 824 MHz), Channel Bandwidth: 3 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26705	CH 26740	CH 26775
			815.5 MHz	819 MHz	822.5 MHz
QPSK	1	0	22.67	22.72	22.70
	1	7	22.51	22.57	22.63
	1	14	22.58	22.59	22.63
	8	0	21.67	21.73	21.74
	8	3	21.59	21.67	21.71
	8	7	21.53	21.62	21.64
	15	0	21.61	21.66	21.69
16QAM	1	0	21.62	21.60	21.59
	1	7	21.52	21.62	21.65
	1	14	21.59	21.64	21.61
	8	0	20.62	20.57	20.61
	8	3	20.57	20.73	20.61
	8	7	20.57	20.71	20.61
	15	0	20.60	20.66	20.71
64QAM	1	0	20.52	20.70	20.75
	1	7	20.64	20.65	20.66
	1	14	20.67	20.56	20.68
	8	0	19.58	19.71	19.71
	8	3	19.54	19.61	19.62
	8	7	19.68	19.64	19.69
	15	0	19.55	19.65	19.58

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.53	22.72	20.12	21.31	50.00
16QAM	20.57	21.65	19.16	20.24	50.00
64QAM	19.54	20.75	18.13	19.34	50.00

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

ERP (dBm) = EIRP (dBm) - 2.15

LTE Band 26 (814 MHz ~ 824 MHz), Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26715	CH 26740	CH 26765
			816.5 MHz	819 MHz	821.5 MHz
QPSK	1	0	22.65	22.70	22.71
	1	12	22.62	22.60	22.64
	1	24	22.51	22.55	22.63
	12	0	21.68	21.71	21.74
	12	6	21.63	21.67	21.68
	12	13	21.53	21.58	21.60
	25	0	21.62	21.67	21.68
16QAM	1	0	21.57	21.59	21.63
	1	12	21.54	21.58	21.66
	1	24	21.60	21.66	21.61
	12	0	20.63	20.73	20.76
	12	6	20.68	20.58	20.76
	12	13	20.59	20.58	20.63
	25	0	20.60	20.57	20.61
64QAM	1	0	20.54	20.69	20.62
	1	12	20.52	20.66	20.63
	1	24	20.67	20.57	20.73
	12	0	19.55	19.74	19.74
	12	6	19.56	19.65	19.73
	12	13	19.65	19.64	19.58
	25	0	19.68	19.68	19.66

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.53	22.71	20.12	21.3	50.00
16QAM	20.57	21.66	19.16	20.25	50.00
64QAM	19.55	20.73	18.14	19.32	50.00

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

ERP (dBm) = EIRP (dBm) - 2.15

LTE Band 26 (814 MHz ~ 824 MHz), Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 26740
			819 MHz
QPSK	1	0	22.75
	1	24	22.70
	1	49	22.66
	25	0	21.76
	25	12	21.74
	25	25	21.65
	50	0	21.71
16QAM	1	0	21.65
	1	24	21.72
	1	49	21.75
	25	0	20.79
	25	12	20.77
	25	25	20.80
	50	0	20.73
64QAM	1	0	20.73
	1	24	20.73
	1	49	20.64
	25	0	19.67
	25	12	19.69
	25	25	19.64
	50	0	19.73

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.65	22.75	20.24	21.34	50.00
16QAM	20.73	21.75	19.32	20.34	50.00
64QAM	19.64	20.73	18.23	19.32	50.00

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

ERP (dBm) = EIRP (dBm) - 2.15

7.1.14 LTE Band 26 (824 MHz ~ 849 MHz)

LTE Band 26 (824 MHz ~ 849 MHz), Channel Bandwidth: 1.4 MHz

LTE Band 26 1.4M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26797	CH 26915	CH 27033
			824.7 MHz	836.5 MHz	848.3 MHz
QPSK	1	0	22.63	22.55	22.77
	1	2	22.47	22.53	22.68
	1	5	22.64	22.57	22.64
	3	0	22.21	22.23	21.78
	3	1	22.04	22.01	21.68
	3	3	22.05	21.98	21.62
	6	0	21.43	21.41	21.74
16QAM	1	0	21.52	21.58	21.66
	1	2	21.32	21.31	21.67
	1	5	21.50	21.42	21.66
	3	0	21.44	21.45	20.68
	3	1	21.47	21.46	20.62
	3	3	21.59	21.50	20.64
	6	0	20.43	20.36	20.66
64QAM	1	0	20.41	20.44	20.72
	1	2	20.23	20.13	20.68
	1	5	20.29	20.33	20.71
	3	0	20.34	20.43	19.61
	3	1	20.30	20.29	19.66
	3	3	20.38	20.33	19.75
	6	0	19.11	19.18	19.77

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.41	22.77	20	21.36	38.45
16QAM	20.36	21.67	18.95	20.26	38.45
64QAM	19.11	20.72	17.7	19.31	38.45

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

ERP (dBm) = EIRP (dBm) - 2.15

LTE Band 26 (824 MHz ~ 849 MHz), Channel Bandwidth: 3 MHz

LTE Band 26 3M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26805	CH 26915	CH 27025
			825.5 MHz	836.5 MHz	847.5 MHz
QPSK	1	0	22.66	22.56	22.78
	1	7	22.65	22.63	22.66
	1	14	22.62	22.68	22.64
	8	0	21.72	21.69	21.77
	8	3	21.60	21.55	21.74
	8	7	21.51	21.56	21.67
	15	0	21.68	21.59	21.71
16QAM	1	0	21.70	21.46	21.68
	1	7	21.56	21.36	21.65
	1	14	21.47	21.43	21.71
	8	0	20.60	20.57	20.77
	8	3	20.69	20.58	20.65
	8	7	20.59	20.53	20.65
	15	0	20.49	20.49	20.67
64QAM	1	0	20.51	20.43	20.63
	1	7	20.67	20.33	20.65
	1	14	20.64	20.37	20.78
	8	0	19.70	19.40	19.65
	8	3	19.49	19.43	19.61
	8	7	19.56	19.38	19.71
	15	0	19.50	19.30	19.69

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.51	22.78	20.1	21.37	38.45
16QAM	20.49	21.71	19.08	20.3	38.45
64QAM	19.3	20.78	17.89	19.37	38.45

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

ERP (dBm) = EIRP (dBm) - 2.15

LTE Band 26 (824 MHz ~ 849 MHz), Channel Bandwidth: 5 MHz

LTE Band 26 5M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26815	CH 26915	CH 27015
			826.5 MHz	836.5 MHz	846.5 MHz
QPSK	1	0	22.64	22.73	22.79
	1	12	22.54	22.60	22.60
	1	24	22.53	22.67	22.64
	12	0	21.63	21.74	21.76
	12	6	21.61	21.66	21.68
	12	13	21.59	21.67	21.62
	25	0	21.56	21.52	21.71
16QAM	1	0	21.53	21.54	21.71
	1	12	21.56	21.52	21.66
	1	24	21.46	21.55	21.74
	12	0	20.49	20.58	20.65
	12	6	20.73	20.54	20.76
	12	13	20.65	20.56	20.78
	25	0	20.60	20.58	20.64
64QAM	1	0	20.55	20.60	20.66
	1	12	20.56	20.43	20.75
	1	24	20.63	20.37	20.70
	12	0	19.63	19.50	19.73
	12	6	19.72	19.46	19.76
	12	13	19.64	19.38	19.70
	25	0	19.48	19.27	19.68

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.52	22.79	20.11	21.38	38.45
16QAM	20.49	21.74	19.08	20.33	38.45
64QAM	19.27	20.75	17.86	19.34	38.45

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

ERP (dBm) = EIRP (dBm) - 2.15

LTE Band 26 (824 MHz ~ 849 MHz), Channel Bandwidth: 10 MHz

LTE Band 26 10M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26840	CH 26915	CH 26990
			829 MHz	836.5 MHz	844 MHz
QPSK	1	0	22.80	22.81	22.84
	1	24	22.67	22.69	22.73
	1	49	22.65	22.77	22.67
	25	0	21.77	21.84	21.83
	25	12	21.73	21.64	21.75
	25	25	21.62	21.74	21.67
	50	0	21.68	21.64	21.75
16QAM	1	0	21.66	21.57	21.79
	1	24	21.72	21.56	21.68
	1	49	21.69	21.61	21.80
	25	0	20.69	20.58	20.66
	25	12	20.71	20.64	20.82
	25	25	20.80	20.55	20.72
	50	0	20.75	20.53	20.70
64QAM	1	0	20.62	20.57	20.78
	1	24	20.79	20.51	20.74
	1	49	20.66	20.40	20.68
	25	0	19.65	19.49	19.70
	25	12	19.56	19.41	19.67
	25	25	19.79	19.48	19.68
	50	0	19.75	19.40	19.79

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.62	22.84	20.21	21.43	38.45
16QAM	20.53	21.8	19.12	20.39	38.45
64QAM	19.4	20.79	17.99	19.38	38.45

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

ERP (dBm) = EIRP (dBm) - 2.15

LTE Band 26 (824 MHz ~ 849 MHz), Channel Bandwidth: 15 MHz

LTE Band 26 15M					
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26865	CH 26915	CH 26965
			831.5 MHz	836.5 MHz	841.5 MHz
QPSK	1	0	22.84	22.74	22.86
	1	37	22.78	22.73	22.73
	1	74	22.81	22.75	22.66
	36	0	21.86	21.76	21.87
	36	19	21.81	21.72	21.79
	36	39	21.78	21.72	21.69
	75	0	21.72	21.70	21.76
16QAM	1	0	21.71	21.64	21.83
	1	37	21.65	21.61	21.75
	1	74	21.67	21.66	21.84
	36	0	20.76	20.71	20.68
	36	19	20.74	20.68	20.66
	36	39	20.64	20.57	20.67
	75	0	20.68	20.67	20.70
64QAM	1	0	20.71	20.70	20.73
	1	37	20.56	20.53	20.77
	1	74	20.54	20.45	20.78
	36	0	19.63	19.59	19.81
	36	19	19.57	19.56	19.79
	36	39	19.55	19.49	19.81
	75	0	19.51	19.48	19.71

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.69	22.86	20.28	21.45	38.45
16QAM	20.57	21.84	19.16	20.43	38.45
64QAM	19.48	20.78	18.07	19.37	38.45

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

ERP (dBm) = EIRP (dBm) - 2.15

7.1.15 LTE Band 38

LTE Band 38, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 37775	CH 38000	CH 38225
			2572.5 MHz	2595 MHz	2617.5 MHz
QPSK	1	0	20.41	20.53	20.42
	1	12	20.23	20.38	20.35
	1	24	20.28	20.38	20.36
	12	0	19.36	19.48	19.42
	12	6	19.34	19.43	19.35
	12	13	19.27	19.37	19.30
	25	0	19.31	19.44	19.37
16QAM	1	0	19.34	19.46	19.42
	1	12	19.31	19.51	19.32
	1	24	19.39	19.51	19.36
	12	0	18.36	18.50	18.37
	12	6	18.33	18.35	18.36
	12	13	18.23	18.35	18.32
	25	0	18.28	18.49	18.45
64QAM	1	0	18.35	18.44	18.28
	1	12	18.37	18.39	18.30
	1	24	18.25	18.52	18.40
	12	0	17.23	17.48	17.34
	12	6	17.28	17.48	17.39
	12	13	17.29	17.36	17.44
	25	0	17.34	17.45	17.45

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.27	20.53	19.96	21.22	33.01
16QAM	18.23	19.51	18.92	20.20	33.01
64QAM	17.23	18.52	17.92	19.21	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 38, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 37800	CH 38000	CH 38200
			2575 MHz	2595 MHz	2615 MHz
QPSK	1	0	20.41	20.49	20.47
	1	24	20.25	20.42	20.33
	1	49	20.27	20.36	20.34
	25	0	19.39	19.50	19.45
	25	12	19.32	19.45	19.39
	25	25	19.28	19.40	19.29
	50	0	19.30	19.47	19.41
16QAM	1	0	19.33	19.48	19.40
	1	24	19.26	19.46	19.38
	1	49	19.29	19.51	19.32
	25	0	18.26	18.48	18.45
	25	12	18.35	18.39	18.36
	25	25	18.26	18.39	18.35
	50	0	18.34	18.35	18.29
64QAM	1	0	18.39	18.40	18.39
	1	24	18.27	18.45	18.36
	1	49	18.32	18.41	18.42
	25	0	17.32	17.41	17.42
	25	12	17.37	17.42	17.36
	25	25	17.29	17.46	17.36
	50	0	17.33	17.35	17.28

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.28	20.49	19.97	21.18	33.01
16QAM	18.26	19.51	18.95	20.20	33.01
64QAM	17.28	18.45	17.97	19.14	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 38, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 37825	CH 38000	CH 38175
			2577.5 MHz	2595 MHz	2612.5 MHz
QPSK	1	0	20.37	20.52	20.39
	1	37	20.21	20.39	20.36
	1	74	20.26	20.34	20.36
	36	0	19.39	19.49	19.43
	36	19	19.30	19.42	19.37
	36	39	19.24	19.38	19.30
	75	0	19.33	19.43	19.37
16QAM	1	0	19.34	19.40	19.42
	1	37	19.26	19.34	19.43
	1	74	19.26	19.37	19.31
	36	0	18.25	18.51	18.45
	36	19	18.35	18.46	18.41
	36	39	18.33	18.39	18.41
	75	0	18.30	18.39	18.39
64QAM	1	0	18.37	18.48	18.29
	1	37	18.25	18.44	18.35
	1	74	18.38	18.34	18.39
	36	0	17.24	17.47	17.40
	36	19	17.22	17.45	17.39
	36	39	17.39	17.39	17.29
	75	0	17.31	17.45	17.32

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.24	20.52	19.93	21.21	33.01
16QAM	18.25	19.43	18.94	20.12	33.01
64QAM	17.22	18.48	17.91	19.17	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 38, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 37850	CH 38000	CH 38150
			2580 MHz	2595 MHz	2610 MHz
QPSK	1	0	20.46	20.58	20.52
	1	50	20.42	20.41	20.34
	1	99	20.38	20.35	20.33
	50	0	19.51	19.55	19.43
	50	25	19.48	19.49	19.37
	50	50	19.40	19.46	19.31
	100	0	19.47	19.52	19.38
16QAM	1	0	19.51	19.50	19.36
	1	50	19.47	19.45	19.32
	1	99	19.44	19.42	19.39
	50	0	18.53	18.48	18.36
	50	25	18.43	18.44	18.32
	50	50	18.47	18.36	18.38
	100	0	18.43	18.34	18.38
64QAM	1	0	18.43	18.42	18.36
	1	50	18.41	18.36	18.43
	1	99	18.50	18.30	18.32
	50	0	17.37	17.32	17.44
	50	25	17.37	17.28	17.34
	50	50	17.49	17.23	17.30
	100	0	17.49	17.20	17.41

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.31	20.58	20.00	21.27	33.01
16QAM	18.32	19.5	19.01	20.19	33.01
64QAM	17.2	18.43	17.89	19.12	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.16 LTE Band 41

LTE Band 41, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 39675	CH 40620	CH 41565
			2498.5 MHz	2593 MHz	2687.5 MHz
QPSK	1	0	19.33	19.52	19.35
	1	12	19.21	19.46	19.29
	1	24	19.24	19.43	19.26
	12	0	18.32	18.52	18.38
	12	6	18.25	18.45	18.33
	12	13	18.19	18.39	18.23
	25	0	18.30	18.48	18.30
16QAM	1	0	18.23	18.41	18.39
	1	12	18.34	18.44	18.28
	1	24	18.30	18.37	18.37
	12	0	17.29	17.42	17.39
	12	6	17.34	17.45	17.23
	12	13	17.29	17.37	17.25
	25	0	17.31	17.39	17.37
64QAM	1	0	17.21	17.45	17.35
	1	12	17.21	17.52	17.37
	1	24	17.21	17.46	17.35
	12	0	16.31	16.48	16.27
	12	6	16.29	16.53	16.23
	12	13	16.27	16.36	16.25
	25	0	16.34	16.44	16.34

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	18.19	19.52	20.18	21.51	33.01
16QAM	17.23	18.44	19.22	20.43	33.01
64QAM	16.23	17.52	18.22	19.51	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 41, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 39700	CH 40620	CH 41540
			2501 MHz	2593 MHz	2685 MHz
QPSK	1	0	19.30	19.55	19.36
	1	24	19.18	19.42	19.32
	1	49	19.18	19.37	19.21
	25	0	18.33	18.51	18.39
	25	12	18.27	18.47	18.34
	25	25	18.23	18.41	18.24
	50	0	18.30	18.47	18.32
16QAM	1	0	18.25	18.37	18.26
	1	24	18.21	18.54	18.24
	1	49	18.21	18.37	18.36
	25	0	17.29	17.39	17.23
	25	12	17.30	17.41	17.32
	25	25	17.21	17.48	17.25
	50	0	17.25	17.40	17.22
64QAM	1	0	17.30	17.48	17.30
	1	24	17.28	17.49	17.29
	1	49	17.22	17.53	17.30
	25	0	16.30	16.45	16.29
	25	12	16.20	16.44	16.31
	25	25	16.20	16.42	16.33
	50	0	16.18	16.41	16.29

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	18.23	19.55	20.22	21.54	33.01
16QAM	17.21	18.54	19.20	20.53	33.01
64QAM	16.18	17.53	18.17	19.52	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 41, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 39725	CH 40620	CH 41515
			2503.5 MHz	2593 MHz	2682.5 MHz
QPSK	1	0	19.29	19.53	19.41
	1	37	19.16	19.41	19.28
	1	74	19.22	19.39	19.21
	36	0	18.32	18.51	18.36
	36	19	18.24	18.44	18.34
	36	39	18.23	18.37	18.23
	75	0	18.24	18.44	18.35
16QAM	1	0	18.17	18.39	18.34
	1	37	18.24	18.37	18.36
	1	74	18.23	18.50	18.23
	36	0	17.31	17.52	17.23
	36	19	17.29	17.48	17.26
	36	39	17.29	17.48	17.27
	75	0	17.34	17.38	17.26
64QAM	1	0	17.22	17.54	17.28
	1	37	17.26	17.37	17.34
	1	74	17.29	17.52	17.35
	36	0	16.32	16.43	16.37
	36	19	16.22	16.47	16.24
	36	39	16.20	16.47	16.37
	75	0	16.27	16.46	16.29

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	18.23	19.53	20.22	21.52	33.01
16QAM	17.23	18.5	19.22	20.49	33.01
64QAM	16.2	17.54	18.19	19.53	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 41, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 39750	CH 40620	CH 41490
			2506 MHz	2593 MHz	2680 MHz
QPSK	1	0	19.41	19.60	19.46
	1	50	19.35	19.58	19.11
	1	99	19.38	19.53	19.17
	50	0	18.48	18.77	18.23
	50	25	18.46	18.68	18.17
	50	50	18.39	18.65	18.13
	100	0	18.44	18.67	18.16
16QAM	1	0	18.48	18.61	18.26
	1	50	18.34	18.57	18.15
	1	99	18.45	18.50	18.19
	50	0	17.36	17.53	17.22
	50	25	17.35	17.49	17.22
	50	50	17.51	17.45	17.22
	100	0	17.47	17.48	17.17
64QAM	1	0	17.34	17.59	17.24
	1	50	17.51	17.55	17.15
	1	99	17.50	17.52	17.17
	50	0	16.40	16.63	16.14
	50	25	16.36	16.58	16.19
	50	50	16.48	16.53	16.08
	100	0	16.38	16.49	16.20

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	18.13	19.60	20.12	21.59	33.01
16QAM	17.17	18.61	19.16	20.60	33.01
64QAM	16.08	17.59	18.07	19.58	33.01

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.17 LTE Band 66

LTE Band 66, Channel Bandwidth: 1.4 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 131979	CH 132322	CH 132665
			1710.7 MHz	1745 MHz	1779.3 MHz
QPSK	1	0	19.09	19.38	19.25
	1	2	18.93	19.26	19.16
	1	5	18.95	19.24	19.18
	3	0	19.01	19.30	19.24
	3	1	18.93	19.22	19.18
	3	3	18.97	19.25	19.18
	6	0	17.94	18.25	18.23
16QAM	1	0	18.01	18.22	18.20
	1	2	17.94	18.22	18.21
	1	5	17.96	18.22	18.23
	3	0	17.94	18.27	18.18
	3	1	17.95	18.25	18.18
	3	3	17.98	18.30	18.19
	6	0	16.97	17.26	17.21
64QAM	1	0	17.01	17.30	17.18
	1	2	16.97	17.28	17.23
	1	5	17.01	17.28	17.18
	3	0	16.95	17.29	17.17
	3	1	16.96	17.25	17.19
	3	3	16.96	17.27	17.23
	6	0	15.97	16.25	16.15

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	17.94	19.38	18.97	20.41	30.00
16QAM	16.97	18.3	18.00	19.33	30.00
64QAM	15.97	17.3	17.00	18.33	30.00

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 66, Channel Bandwidth: 3 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 131987	CH 132322	CH 132657
			1711.5 MHz	1745 MHz	1778.5 MHz
QPSK	1	0	19.08	19.38	19.30
	1	7	18.98	19.27	19.16
	1	14	18.96	19.23	19.21
	8	0	18.09	18.38	18.30
	8	3	18.01	18.31	18.28
	8	7	17.95	18.26	18.17
	15	0	18.01	18.29	18.22
16QAM	1	0	17.97	18.33	18.23
	1	7	18.06	18.33	18.21
	1	14	18.10	18.27	18.19
	8	0	17.10	17.24	17.30
	8	3	17.07	17.34	17.27
	8	7	17.01	17.26	17.24
	15	0	17.06	17.35	17.31
64QAM	1	0	17.09	17.30	17.25
	1	7	17.05	17.33	17.25
	1	14	17.08	17.29	17.32
	8	0	16.10	16.26	16.15
	8	3	15.99	16.36	16.16
	8	7	15.96	16.25	16.28
	15	0	16.10	16.35	16.23

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	17.95	19.38	18.98	20.41	30.00
16QAM	17.01	18.33	18.04	19.36	30.00
64QAM	15.96	17.33	16.99	18.36	30.00

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 66, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 131997	CH 132322	CH 132647
			1712.5 MHz	1745 MHz	1777.5 MHz
QPSK	1	0	19.05	19.40	19.29
	1	12	19.03	19.29	19.21
	1	24	18.97	19.28	19.19
	12	0	18.10	18.37	18.32
	12	6	18.01	18.29	18.25
	12	13	17.95	18.25	18.21
	25	0	18.05	18.33	18.24
16QAM	1	0	18.08	18.36	18.27
	1	12	17.96	18.29	18.19
	1	24	18.01	18.36	18.31
	12	0	16.93	17.35	17.15
	12	6	16.98	17.26	17.28
	12	13	17.10	17.28	17.30
	25	0	17.07	17.33	17.28
64QAM	1	0	16.97	17.24	17.31
	1	12	16.99	17.27	17.31
	1	24	16.94	17.35	17.26
	12	0	16.04	16.39	16.20
	12	6	15.96	16.22	16.20
	12	13	16.04	16.33	16.22
	25	0	16.07	16.27	16.19

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	17.95	19.40	18.98	20.43	30.00
16QAM	16.93	18.36	17.96	19.39	30.00
64QAM	15.96	17.35	16.99	18.38	30.00

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 66, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 132022	CH 132322	CH 132622
			1715 MHz	1745 MHz	1775 MHz
QPSK	1	0	19.07	19.38	19.29
	1	24	19.02	19.30	19.20
	1	49	19.00	19.27	19.21
	25	0	18.10	18.38	18.30
	25	12	18.02	18.32	18.26
	25	25	17.96	18.24	18.18
	50	0	18.00	18.30	18.25
16QAM	1	0	18.04	18.30	18.32
	1	24	17.94	18.33	18.18
	1	49	17.97	18.38	18.19
	25	0	17.01	17.30	17.20
	25	12	17.01	17.23	17.26
	25	25	17.01	17.38	17.27
	50	0	17.01	17.25	17.27
64QAM	1	0	17.02	17.33	17.15
	1	24	17.00	17.25	17.20
	1	49	17.11	17.23	17.32
	25	0	16.01	16.39	16.24
	25	12	15.98	16.34	16.27
	25	25	15.96	16.31	16.26
	50	0	16.04	16.22	16.32

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	17.96	19.38	18.99	20.41	30.00
16QAM	17.01	18.38	18.04	19.41	30.00
64QAM	15.96	17.33	16.99	18.36	30.00

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 66, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 132047	CH 132322	CH 132597
			1717.5 MHz	1745 MHz	1772.5 MHz
QPSK	1	0	19.10	19.39	19.34
	1	37	18.94	19.26	19.17
	1	74	19.02	19.23	19.18
	36	0	18.08	18.36	18.31
	36	19	18.00	18.35	18.24
	36	39	17.99	18.28	18.19
	75	0	18.00	18.34	18.28
16QAM	1	0	18.01	18.25	18.18
	1	37	18.03	18.35	18.23
	1	74	18.03	18.25	18.23
	36	0	16.99	17.38	17.30
	36	19	16.93	17.27	17.15
	36	39	17.08	17.28	17.28
	75	0	16.95	17.33	17.27
64QAM	1	0	16.94	17.31	17.24
	1	37	17.04	17.38	17.25
	1	74	16.98	17.29	17.25
	36	0	16.09	16.33	16.26
	36	19	15.94	16.33	16.17
	36	39	16.09	16.35	16.25
	75	0	16.09	16.39	16.24

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	17.99	19.39	19.02	20.42	30.00
16QAM	16.93	18.35	17.96	19.38	30.00
64QAM	15.94	17.38	16.97	18.41	30.00

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

LTE Band 66, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 132072	CH 132322	CH 132572
			1720 MHz	1745 MHz	1770 MHz
QPSK	1	0	19.17	19.46	19.39
	1	50	19.22	19.42	19.18
	1	99	19.13	19.37	19.22
	50	0	18.29	18.49	18.32
	50	25	18.26	18.42	18.29
	50	50	18.15	18.46	18.22
	100	0	18.25	18.41	18.24
16QAM	1	0	18.21	18.43	18.20
	1	50	18.20	18.41	18.34
	1	99	18.23	18.49	18.17
	50	0	17.29	17.45	17.25
	50	25	17.26	17.41	17.22
	50	50	17.14	17.39	17.27
	100	0	17.22	17.35	17.31
64QAM	1	0	17.23	17.46	17.31
	1	50	17.13	17.42	17.30
	1	99	17.29	17.48	17.20
	50	0	16.20	16.40	16.16
	50	25	16.18	16.32	16.30
	50	50	16.29	16.29	16.23
	100	0	16.16	16.25	16.30

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	18.15	19.46	19.18	20.49	30.00
16QAM	17.14	18.49	18.17	19.52	30.00
64QAM	16.16	17.48	17.19	18.51	30.00

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

7.1.18 LTE Band 71

LTE Band 71, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 133147	CH 133297	CH 133447
			665.5 MHz	680.5 MHz	695.5 MHz
QPSK	1	0	22.15	22.28	22.27
	1	12	22.13	22.14	22.12
	1	24	22.04	22.12	22.11
	12	0	21.17	21.27	21.24
	12	6	21.1	21.22	21.19
	12	13	21.06	21.11	21.13
	25	0	21.1	21.21	21.19
16QAM	1	0	21.15	21.28	21.24
	1	12	21.15	21.21	21.11
	1	24	21.08	21.18	21.22
	12	0	20.12	20.24	20.23
	12	6	20.08	20.12	20.13
	12	13	20.03	20.26	20.22
	25	0	20.17	20.2	20.26
64QAM	1	0	20.16	20.21	20.1
	1	12	20.17	20.19	20.21
	1	24	20.17	20.17	20.26
	12	0	19.17	19.26	19.13
	12	6	19.05	19.14	19.22
	12	13	19.17	19.17	19.14
	25	0	19.14	19.26	19.11

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.06	22.28	21.31	22.53	34.77
16QAM	20.03	21.28	20.28	21.53	34.77
64QAM	19.05	20.26	19.3	20.51	34.77

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

ERP (dBm) = EIRP (dBm) - 2.15

LTE Band 71, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 133172	CH 133297	CH 133422
			668 MHz	680.5 MHz	693 MHz
QPSK	1	0	22.21	22.29	22.2
	1	24	22.12	22.13	22.11
	1	49	22.02	22.18	22.07
	25	0	21.17	21.26	21.25
	25	12	21.16	21.18	21.15
	25	25	21.08	21.13	21.12
	50	0	21.12	21.17	21.15
16QAM	1	0	21.05	21.25	21.21
	1	24	21.17	21.23	21.26
	1	49	21.16	21.2	21.18
	25	0	20.16	20.16	20.2
	25	12	20.11	20.12	20.12
	25	25	20.15	20.17	20.12
	50	0	20.19	20.23	20.17
64QAM	1	0	20.17	20.16	20.21
	1	24	20.06	20.28	20.18
	1	49	20.16	20.11	20.26
	25	0	19.09	19.12	19.08
	25	12	19.08	19.28	19.21
	25	25	19.12	19.19	19.24
	50	0	19.2	19.11	19.23

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.08	22.29	21.33	22.54	34.77
16QAM	20.11	21.26	20.36	21.51	34.77
64QAM	19.08	20.28	19.33	20.53	34.77

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

ERP (dBm) = EIRP (dBm) - 2.15

LTE Band 71, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 133197	CH 133297	CH 133397
			670.5 MHz	680.5 MHz	690.5 MHz
QPSK	1	0	22.15	22.23	22.22
	1	37	22.03	22.16	22.11
	1	74	22.06	22.16	22.1
	36	0	21.2	21.28	21.22
	36	19	21.11	21.2	21.15
	36	39	21.08	21.13	21.12
	75	0	21.16	21.22	21.19
16QAM	1	0	21.19	21.18	21.19
	1	37	21.03	21.18	21.25
	1	74	21.04	21.28	21.12
	36	0	20.14	20.11	20.26
	36	19	20.04	20.1	20.24
	36	39	20.14	20.21	20.26
	75	0	20.09	20.25	20.26
64QAM	1	0	20.21	20.17	20.16
	1	37	20.07	20.16	20.18
	1	74	20.15	20.28	20.11
	36	0	19.16	19.23	19.21
	36	19	19.2	19.28	19.14
	36	39	19.16	19.15	19.2
	75	0	19.09	19.23	19.23

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.08	22.23	21.33	22.48	34.77
16QAM	20.04	21.28	20.29	21.53	34.77
64QAM	19.09	20.28	19.34	20.53	34.77

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

ERP (dBm) = EIRP (dBm) - 2.15

LTE Band 71, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 133222	CH 133297	CH 133372
			673 MHz	680.5 MHz	688 MHz
QPSK	1	0	22.32	22.39	22.37
	1	50	22.17	22.35	22.26
	1	99	22.16	22.31	22.17
	50	0	21.31	21.39	21.33
	50	25	21.23	21.32	21.31
	50	50	21.15	21.29	21.23
	100	0	21.23	21.29	21.25
16QAM	1	0	21.3	21.28	21.26
	1	50	21.21	21.25	21.23
	1	99	21.15	21.21	21.3
	50	0	20.21	20.31	20.2
	50	25	20.2	20.24	20.26
	50	50	20.22	20.22	20.23
	100	0	20.31	20.27	20.18
64QAM	1	0	20.15	20.24	20.24
	1	50	20.3	20.18	20.27
	1	99	20.31	20.12	20.23
	50	0	19.29	19.26	19.22
	50	25	19.2	19.23	19.26
	50	50	19.31	19.18	19.31
	100	0	19.18	19.15	19.32

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.15	22.39	21.4	22.64	34.77
16QAM	20.18	21.3	20.43	21.55	34.77
64QAM	19.15	20.31	19.4	20.56	34.77

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)

ERP (dBm) = EIRP (dBm) - 2.15

7.2 Radiated Spurious Emissions below 1GHz

WCDMA MODE

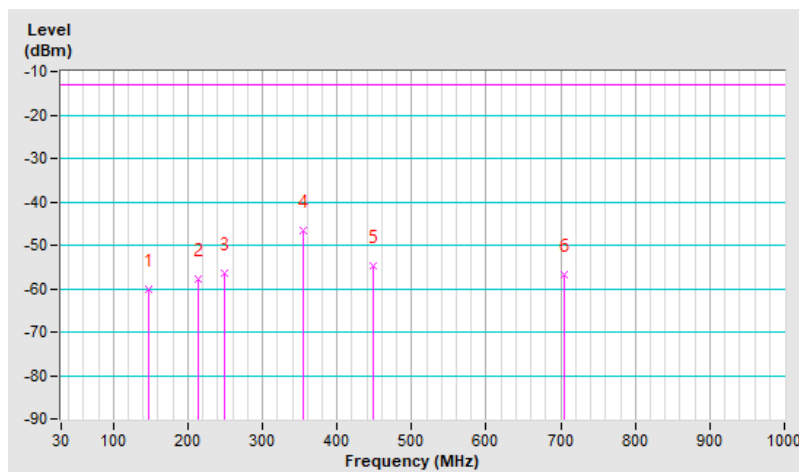
7.2.1 WCDMA Band II

RF Mode	WCDMA Band II	Channel	CH 9400 : 1880 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	146.40	-60.03	-13.00	-47.03	1.99 H	219	47.88	-107.91
2	214.30	-57.76	-13.00	-44.76	1.50 H	177	53.80	-111.56
3	249.22	-56.46	-13.00	-43.46	1.50 H	107	52.76	-109.22
4	353.98	-46.65	-13.00	-33.65	1.00 H	3	59.42	-106.07
5	449.04	-54.77	-13.00	-41.77	1.00 H	111	48.40	-103.17
6	704.15	-56.64	-13.00	-43.64	1.00 H	235	41.59	-98.23

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

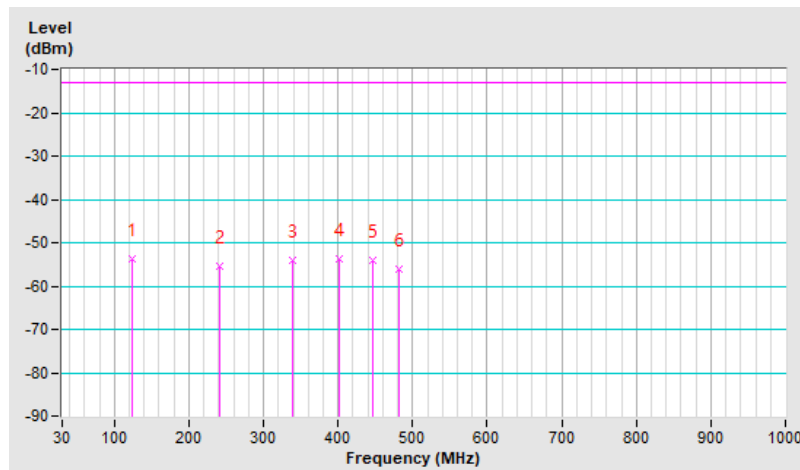


RF Mode	WCDMA Band II	Channel	CH 9400 : 1880 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	124.09	-53.75	-13.00	-40.75	1.01 V	117	56.22	-109.97
2	240.49	-55.48	-13.00	-42.48	1.01 V	278	54.06	-109.54
3	339.43	-54.16	-13.00	-41.16	1.01 V	18	52.13	-106.29
4	402.48	-53.89	-13.00	-40.89	1.01 V	215	50.94	-104.83
5	447.10	-54.11	-13.00	-41.11	2.00 V	18	49.12	-103.23
6	481.05	-56.03	-13.00	-43.03	1.51 V	105	46.77	-102.80

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



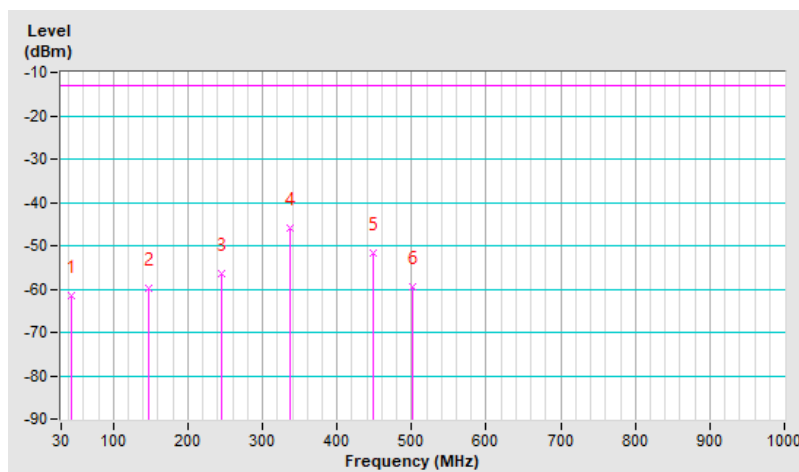
7.2.2 WCDMA Band IV

RF Mode	WCDMA Band IV	Channel	CH 1513 : 1752.6 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	43.58	-61.41	-13.00	-48.41	2.00 H	316	47.03	-108.44
2	146.40	-59.99	-13.00	-46.99	2.00 H	233	47.92	-107.91
3	245.34	-56.30	-13.00	-43.30	1.51 H	109	53.04	-109.34
4	337.49	-45.95	-13.00	-32.95	1.01 H	18	60.33	-106.28
5	448.07	-51.71	-13.00	-38.71	2.00 H	268	51.50	-103.21
6	500.45	-59.63	-13.00	-46.63	1.01 H	212	42.95	-102.58

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

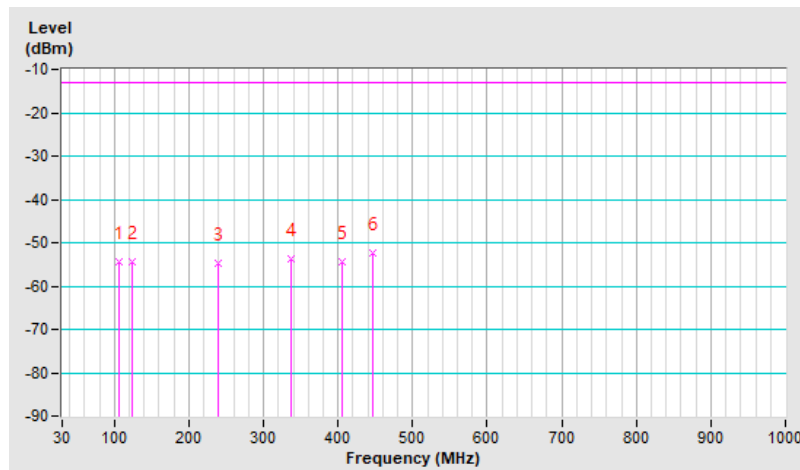


RF Mode	WCDMA Band IV	Channel	CH 1513 : 1752.6 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	105.66	-54.26	-13.00	-41.26	2.00 V	173	57.47	-111.73
2	124.09	-54.44	-13.00	-41.44	1.00 V	179	55.53	-109.97
3	239.52	-54.59	-13.00	-41.59	1.00 V	234	55.00	-109.59
4	336.52	-53.57	-13.00	-40.57	1.49 V	44	52.71	-106.28
5	405.39	-54.29	-13.00	-41.29	1.49 V	111	50.46	-104.75
6	447.10	-52.43	-13.00	-39.43	1.00 V	265	50.80	-103.23

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



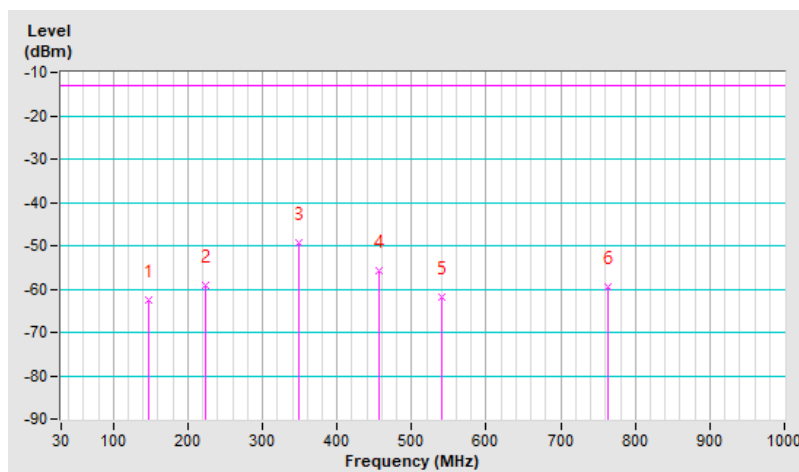
7.2.3 WCDMA Band V

RF Mode	WCDMA Band V	Channel	CH 4233 : 846.6 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	146.40	-62.66	-13.00	-49.66	1.00 H	247	47.40	-110.06
2	223.03	-59.13	-13.00	-46.13	1.49 H	139	54.33	-113.46
3	348.16	-49.34	-13.00	-36.34	1.00 H	14	59.04	-108.38
4	455.83	-55.69	-13.00	-42.69	1.99 H	286	49.50	-105.19
5	541.19	-61.80	-13.00	-48.80	1.99 H	18	42.15	-103.95
6	763.32	-59.38	-13.00	-46.38	1.00 H	293	39.75	-99.13

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

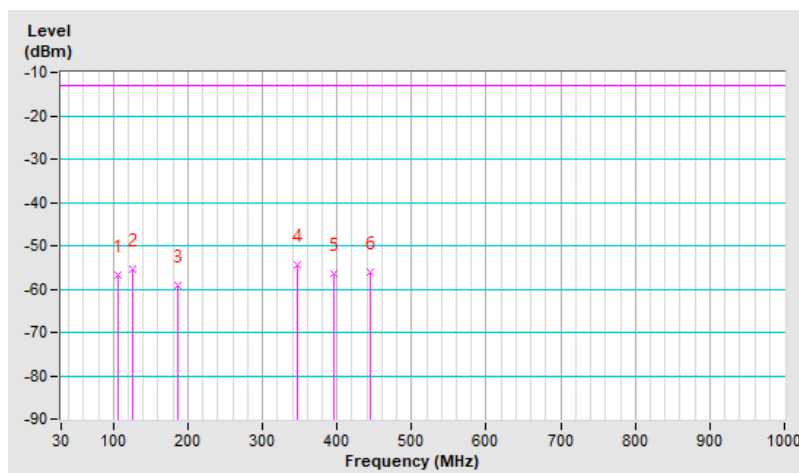


RF Mode	WCDMA Band V	Channel	CH 4233 : 846.6 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	105.66	-56.91	-13.00	-43.91	2.00 V	196	56.97	-113.88
2	125.06	-55.46	-13.00	-42.46	1.01 V	179	56.45	-111.91
3	186.17	-59.08	-13.00	-46.08	1.01 V	191	53.49	-112.57
4	346.22	-54.44	-13.00	-41.44	1.51 V	122	53.97	-108.41
5	396.66	-56.31	-13.00	-43.31	1.01 V	230	50.78	-107.09
6	444.19	-56.22	-13.00	-43.22	1.01 V	283	49.24	-105.46

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



LTE MODE

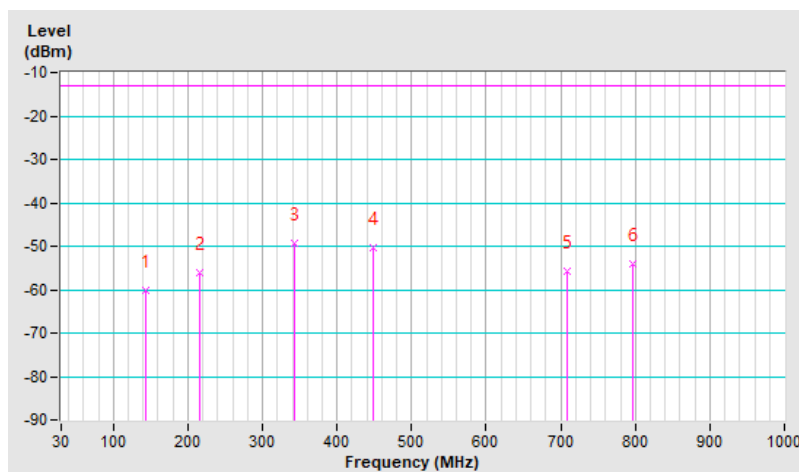
7.2.4 LTE Band 2

RF Mode	LTE Band 2 Channel Bandwidth: 20MHz	Channel	CH 18900 : 1880 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	142.52	-60.18	-13.00	-47.18	2.00 H	254	48.06	-108.24
2	215.27	-56.23	-13.00	-43.23	1.51 H	130	55.32	-111.55
3	342.34	-49.24	-13.00	-36.24	1.01 H	22	57.05	-106.29
4	449.04	-50.40	-13.00	-37.40	2.00 H	287	52.77	-103.17
5	709.00	-55.84	-13.00	-42.84	1.01 H	244	42.37	-98.21
6	796.30	-54.02	-13.00	-41.02	2.00 H	193	42.70	-96.72

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

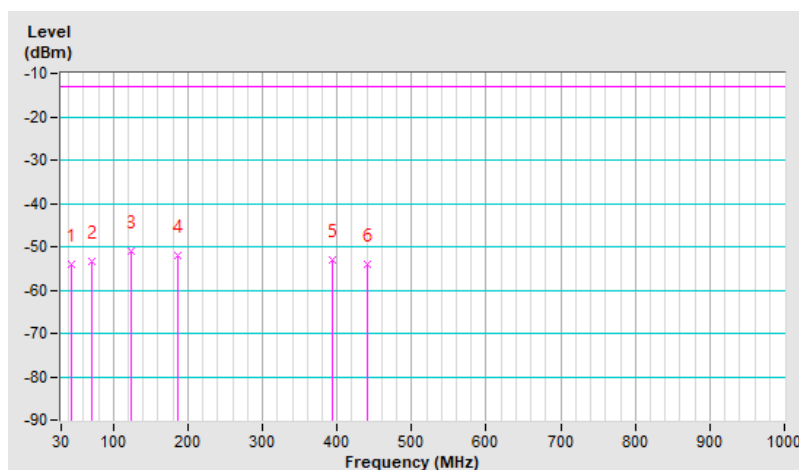


RF Mode	LTE Band 2 Channel Bandwidth: 20MHz	Channel	CH 18900 : 1880 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	43.58	-54.04	-13.00	-41.04	2.00 V	269	54.40	-108.44
2	71.71	-53.48	-13.00	-40.48	1.00 V	222	57.69	-111.17
3	124.09	-51.12	-13.00	-38.12	1.00 V	153	58.85	-109.97
4	187.14	-51.91	-13.00	-38.91	1.49 V	2	58.64	-110.55
5	393.75	-53.07	-13.00	-40.07	1.00 V	236	51.93	-105.00
6	440.31	-54.20	-13.00	-41.20	1.49 V	146	49.24	-103.44

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



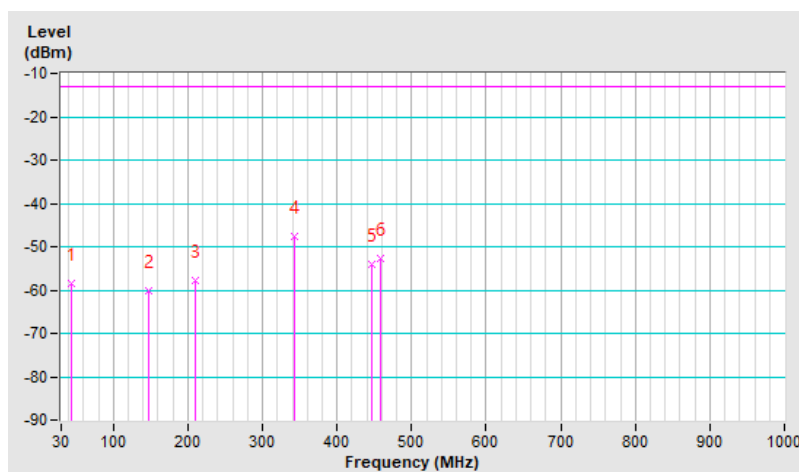
7.2.5 LTE Band 4

RF Mode	LTE Band 4 Channel Bandwidth: 20MHz	Channel	CH 20175 : 1732.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	44.55	-58.62	-13.00	-45.62	1.99 H	290	49.74	-108.36
2	147.37	-60.28	-13.00	-47.28	1.49 H	259	47.65	-107.93
3	210.42	-57.93	-13.00	-44.93	1.00 H	206	53.71	-111.64
4	343.31	-47.69	-13.00	-34.69	1.00 H	18	58.58	-106.27
5	447.10	-54.10	-13.00	-41.10	1.00 H	133	49.13	-103.23
6	457.77	-52.64	-13.00	-39.64	1.99 H	276	50.37	-103.01

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

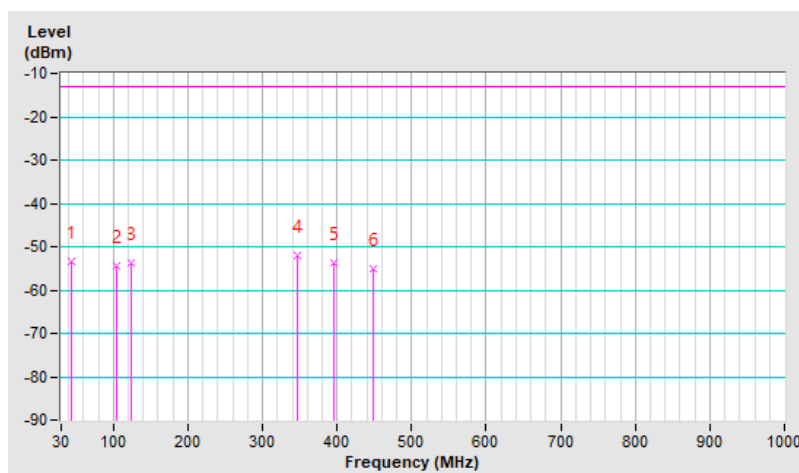


RF Mode	LTE Band 4 Channel Bandwidth: 20MHz	Channel	CH 20175 : 1732.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	44.55	-53.49	-13.00	-40.49	1.01 V	263	54.87	-108.36
2	104.69	-54.39	-13.00	-41.39	1.01 V	201	57.42	-111.81
3	124.09	-53.81	-13.00	-40.81	1.01 V	155	56.16	-109.97
4	346.22	-52.20	-13.00	-39.20	1.51 V	106	54.06	-106.26
5	396.66	-53.56	-13.00	-40.56	1.01 V	207	51.38	-104.94
6	448.07	-54.93	-13.00	-41.93	2.00 V	5	48.28	-103.21

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



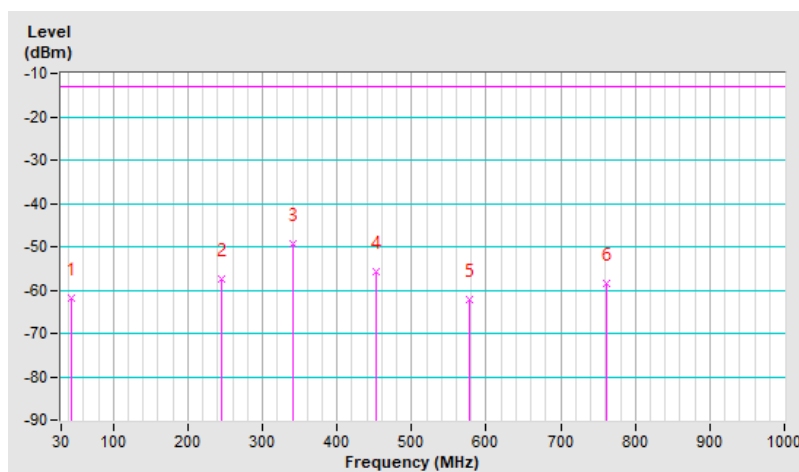
7.2.6 LTE Band 5

RF Mode	LTE Band 5 Channel Bandwidth: 10MHz	Channel	CH 20600 : 844 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	44.55	-61.76	-13.00	-48.76	1.99 H	300	48.75	-110.51
2	245.34	-57.60	-13.00	-44.60	1.49 H	92	53.89	-111.49
3	341.37	-49.49	-13.00	-36.49	1.00 H	17	58.95	-108.44
4	451.95	-55.61	-13.00	-42.61	1.00 H	287	49.65	-105.26
5	578.05	-62.34	-13.00	-49.34	1.99 H	18	40.36	-102.70
6	762.35	-58.40	-13.00	-45.40	1.00 H	183	40.75	-99.15

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

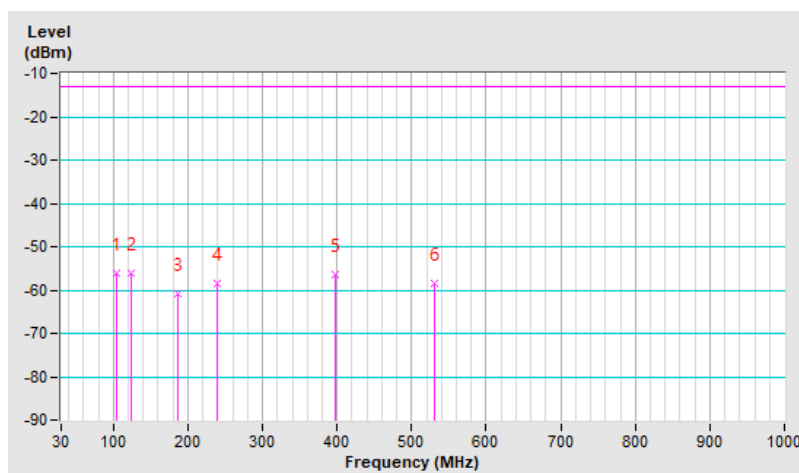


RF Mode	LTE Band 5 Channel Bandwidth: 10MHz	Channel	CH 20600 : 844 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	104.69	-56.12	-13.00	-43.12	1.01 V	153	57.84	-113.96
2	123.12	-56.04	-13.00	-43.04	1.01 V	116	56.10	-112.14
3	186.17	-60.71	-13.00	-47.71	2.00 V	172	51.86	-112.57
4	239.52	-58.45	-13.00	-45.45	1.01 V	258	53.29	-111.74
5	398.60	-56.46	-13.00	-43.46	1.51 V	263	50.59	-107.05
6	530.52	-58.55	-13.00	-45.55	1.01 V	310	45.57	-104.12

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
- The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



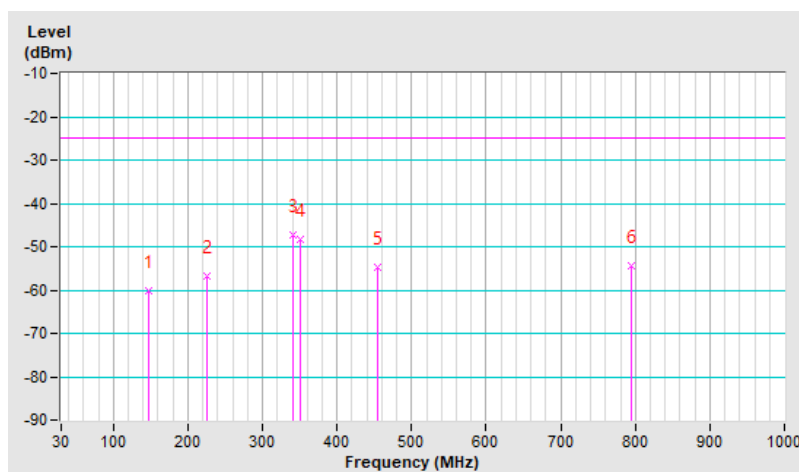
7.2.7 LTE Band 7

RF Mode	LTE Band 7 Channel Bandwidth: 20MHz	Channel	CH 21350 : 2560 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	147.37	-60.19	-25.00	-35.19	1.51 H	256	47.74	-107.93
2	225.94	-56.80	-25.00	-31.80	1.51 H	100	54.29	-111.09
3	340.40	-47.38	-25.00	-22.38	1.01 H	5	58.91	-106.29
4	351.07	-48.18	-25.00	-23.18	1.01 H	2	58.00	-106.18
5	454.86	-54.76	-25.00	-29.76	2.00 H	265	48.30	-103.06
6	794.36	-54.35	-25.00	-29.35	2.00 H	222	42.36	-96.71

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

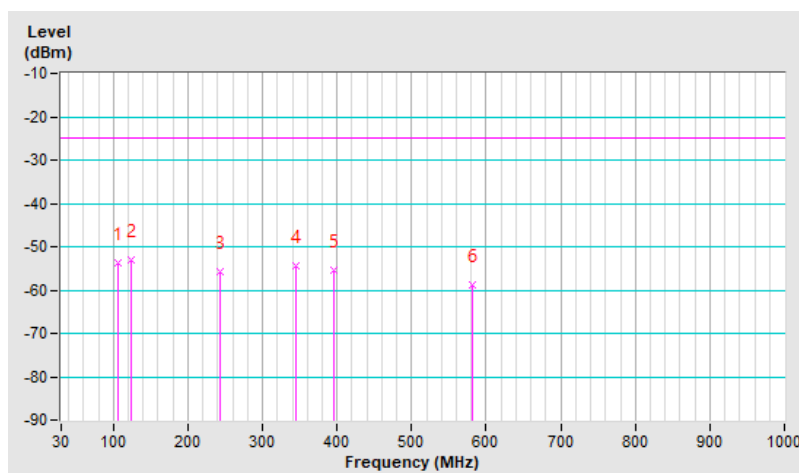


RF Mode	LTE Band 7 Channel Bandwidth: 20MHz	Channel	CH 21350 : 2560 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	105.66	-53.64	-25.00	-28.64	2.00 V	140	58.09	-111.73
2	124.09	-53.05	-25.00	-28.05	1.00 V	140	56.92	-109.97
3	243.40	-55.90	-25.00	-30.90	1.00 V	263	53.52	-109.42
4	345.25	-54.55	-25.00	-29.55	1.49 V	136	51.72	-106.27
5	395.69	-55.50	-25.00	-30.50	1.00 V	281	49.46	-104.96
6	581.93	-58.66	-25.00	-33.66	1.00 V	161	41.76	-100.42

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



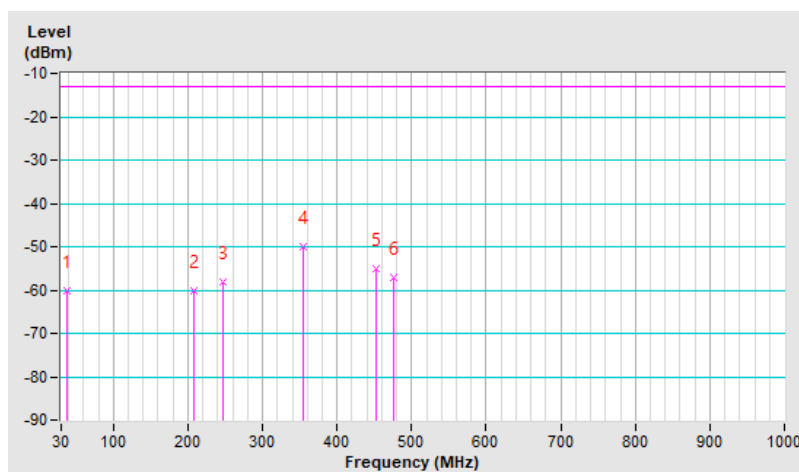
7.2.8 LTE Band 12

RF Mode	LTE Band 12 Channel Bandwidth: 10MHz	Channel	CH 23095 : 707.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	37.76	-60.15	-13.00	-47.15	1.01 H	4	50.83	-110.98
2	208.48	-60.05	-13.00	-47.05	1.51 H	204	53.75	-113.80
3	246.31	-58.13	-13.00	-45.13	1.01 H	113	53.33	-111.46
4	354.95	-50.09	-13.00	-37.09	1.01 H	1	58.10	-108.19
5	451.95	-55.10	-13.00	-42.10	2.00 H	2	50.16	-105.26
6	476.20	-57.19	-13.00	-44.19	1.01 H	246	47.78	-104.97

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
- The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

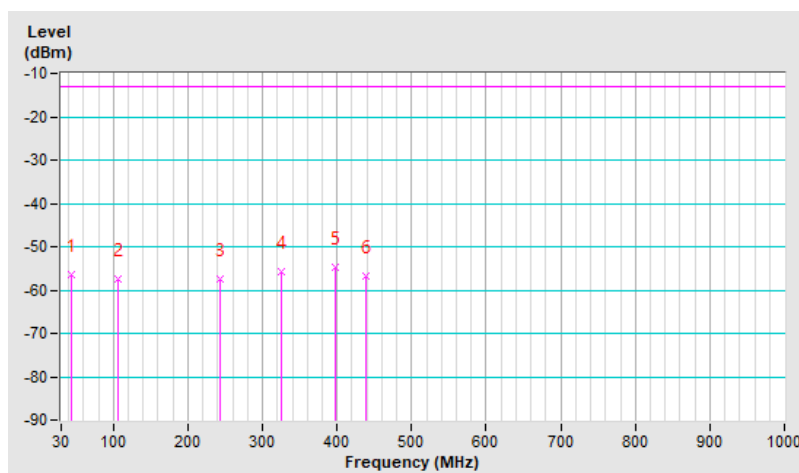


RF Mode	LTE Band 12 Channel Bandwidth: 10MHz	Channel	CH 23095 : 707.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	43.58	-56.54	-13.00	-43.54	1.00 V	278	54.05	-110.59
2	105.66	-57.29	-13.00	-44.29	2.00 V	122	56.59	-113.88
3	243.40	-57.46	-13.00	-44.46	1.00 V	289	54.11	-111.57
4	325.85	-55.82	-13.00	-42.82	1.49 V	158	52.80	-108.62
5	397.63	-54.85	-13.00	-41.85	1.00 V	222	52.22	-107.07
6	439.34	-56.91	-13.00	-43.91	1.49 V	166	48.71	-105.62

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



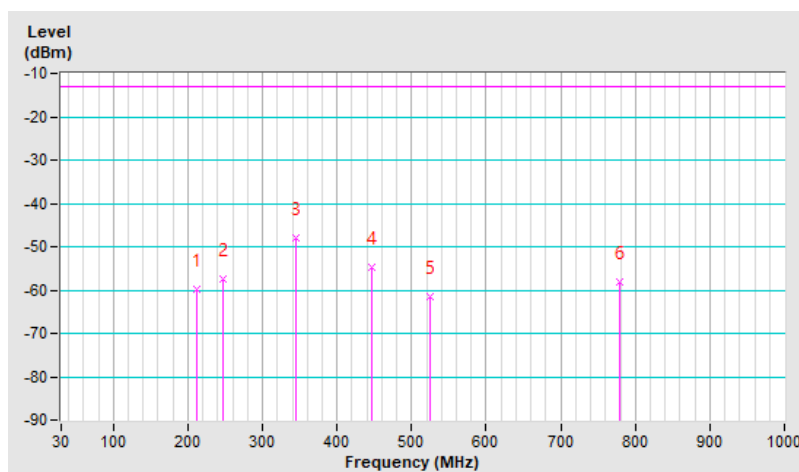
7.2.9 LTE Band 13

RF Mode	LTE Band 13 Channel Bandwidth: 10MHz	Channel	CH 23230 : 782 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	212.36	-59.78	-13.00	-46.78	1.49 H	210	53.97	-113.75
2	246.31	-57.36	-13.00	-44.36	1.49 H	105	54.10	-111.46
3	344.28	-48.08	-13.00	-35.08	1.00 H	13	60.34	-108.42
4	446.13	-54.62	-13.00	-41.62	1.00 H	150	50.79	-105.41
5	525.67	-61.40	-13.00	-48.40	1.99 H	274	42.82	-104.22
6	779.81	-58.02	-13.00	-45.02	1.00 H	285	40.87	-98.89

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
- The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

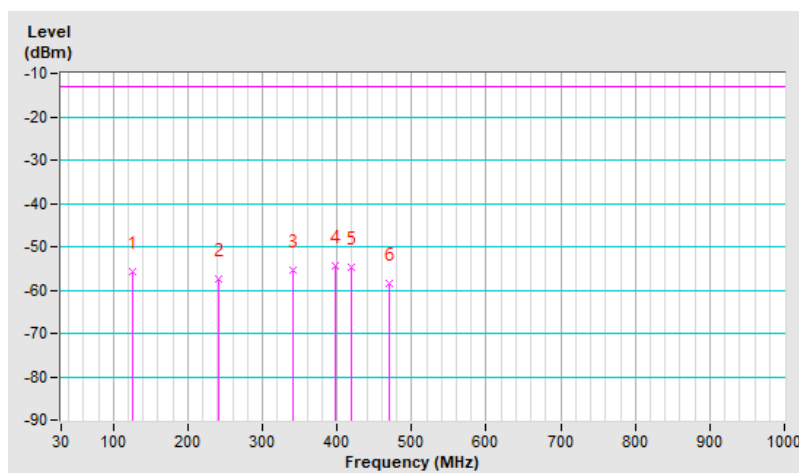


RF Mode	LTE Band 13 Channel Bandwidth: 10MHz	Channel	CH 23230 : 782 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	125.06	-55.80	-13.00	-42.80	1.01 V	128	56.11	-111.91
2	240.49	-57.34	-13.00	-44.34	1.01 V	277	54.35	-111.69
3	340.40	-55.52	-13.00	-42.52	1.51 V	90	52.92	-108.44
4	397.63	-54.50	-13.00	-41.50	1.51 V	107	52.57	-107.07
5	418.97	-54.88	-13.00	-41.88	1.51 V	126	51.63	-106.51
6	470.38	-58.49	-13.00	-45.49	1.01 V	179	46.54	-105.03

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
- The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



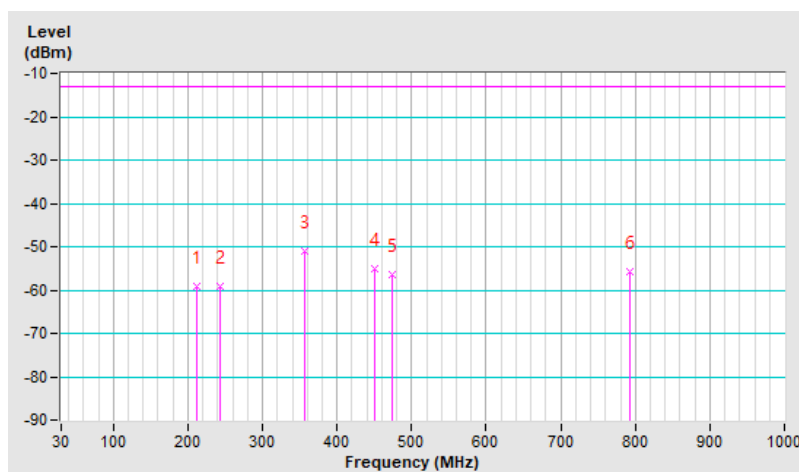
7.2.10 LTE Band 14

RF Mode	LTE Band 14 Channel Bandwidth: 10MHz	Channel	CH 23330 : 793 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	211.39	-59.08	-13.00	-46.08	2.00 H	189	54.68	-113.76
2	242.43	-59.08	-13.00	-46.08	1.50 H	115	52.53	-111.61
3	355.92	-50.86	-13.00	-37.86	1.01 H	1	57.30	-108.16
4	450.01	-55.24	-13.00	-42.24	1.01 H	141	50.06	-105.30
5	474.26	-56.45	-13.00	-43.45	1.01 H	240	48.53	-104.98
6	792.42	-55.89	-13.00	-42.89	1.01 H	202	42.94	-98.83

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
- The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

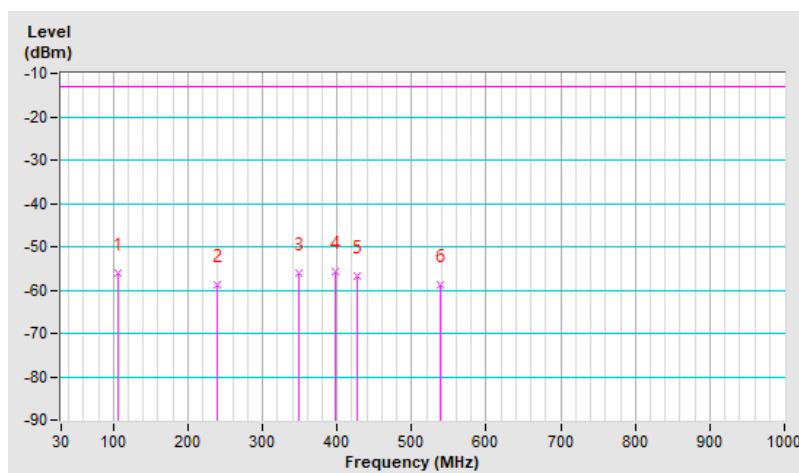


RF Mode	LTE Band 14 Channel Bandwidth: 10MHz	Channel	CH 23330 : 793 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	105.66	-56.27	-13.00	-43.27	1.00 V	130	57.61	-113.88
2	238.55	-58.97	-13.00	-45.97	1.00 V	242	52.83	-111.80
3	349.13	-56.25	-13.00	-43.25	1.49 V	119	52.12	-108.37
4	397.63	-55.83	-13.00	-42.83	1.00 V	204	51.24	-107.07
5	427.70	-56.80	-13.00	-43.80	1.49 V	144	49.30	-106.10
6	538.28	-58.78	-13.00	-45.78	1.00 V	306	45.21	-103.99

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



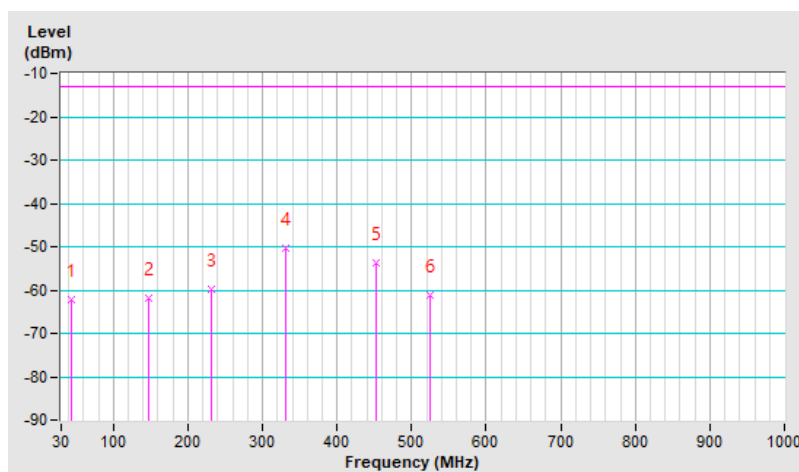
7.2.11 LTE Band 17

RF Mode	LTE Band 17 Channel Bandwidth: 10MHz	Channel	CH 23790 : 710 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	43.58	-62.10	-13.00	-49.10	1.99 H	300	48.49	-110.59
2	147.37	-61.89	-13.00	-48.89	1.99 H	227	48.19	-110.08
3	231.76	-59.68	-13.00	-46.68	1.49 H	127	52.70	-112.38
4	330.70	-50.31	-13.00	-37.31	1.49 H	2	58.17	-108.48
5	451.95	-53.73	-13.00	-40.73	1.00 H	138	51.53	-105.26
6	525.67	-61.08	-13.00	-48.08	1.99 H	251	43.14	-104.22

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
- The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

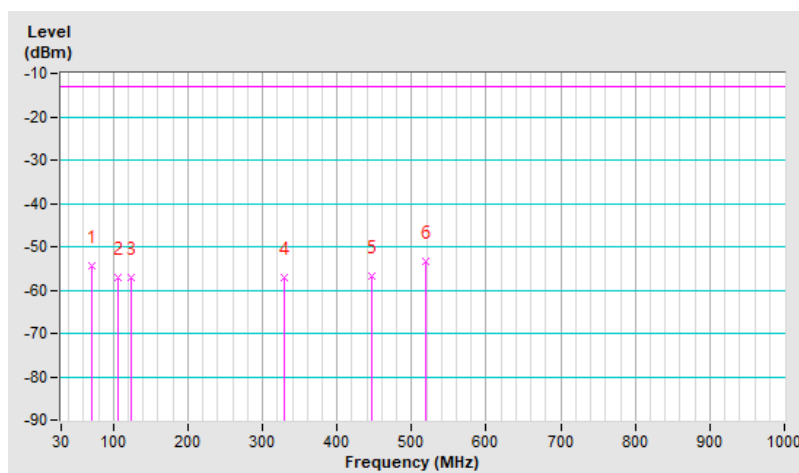


RF Mode	LTE Band 17 Channel Bandwidth: 10MHz	Channel	CH 23790 : 710 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	70.74	-54.54	-13.00	-41.54	1.01 V	261	58.59	-113.13
2	106.63	-56.99	-13.00	-43.99	1.01 V	136	56.76	-113.75
3	123.12	-57.09	-13.00	-44.09	2.00 V	175	55.05	-112.14
4	328.76	-57.22	-13.00	-44.22	1.51 V	51	51.31	-108.53
5	447.10	-56.81	-13.00	-43.81	1.01 V	254	48.57	-105.38
6	519.85	-53.49	-13.00	-40.49	1.51 V	18	50.81	-104.30

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



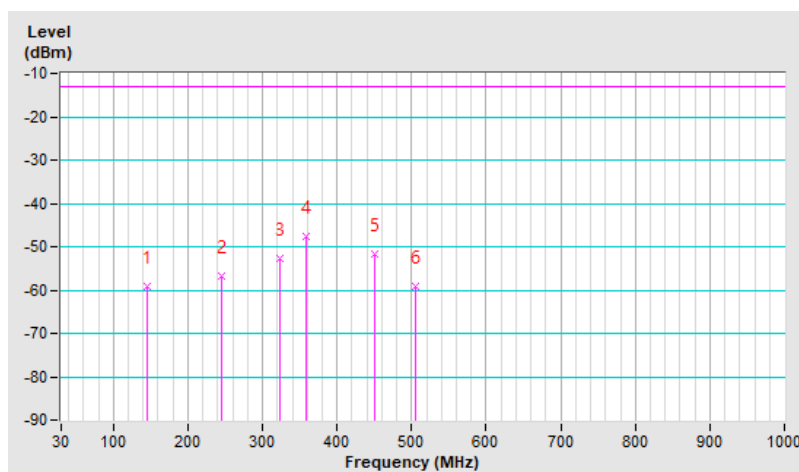
7.2.12 LTE Band 25

RF Mode	LTE Band 25 Channel Bandwidth: 20MHz	Channel	CH 26365 : 1882.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	145.43	-59.19	-13.00	-46.19	1.99 H	232	48.83	-108.02
2	244.37	-56.66	-13.00	-43.66	1.00 H	88	52.72	-109.38
3	323.91	-52.61	-13.00	-39.61	1.00 H	352	53.91	-106.52
4	358.83	-47.74	-13.00	-34.74	1.00 H	349	58.18	-105.92
5	450.98	-51.74	-13.00	-38.74	1.99 H	295	51.39	-103.13
6	504.33	-59.26	-13.00	-46.26	1.00 H	244	43.24	-102.50

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

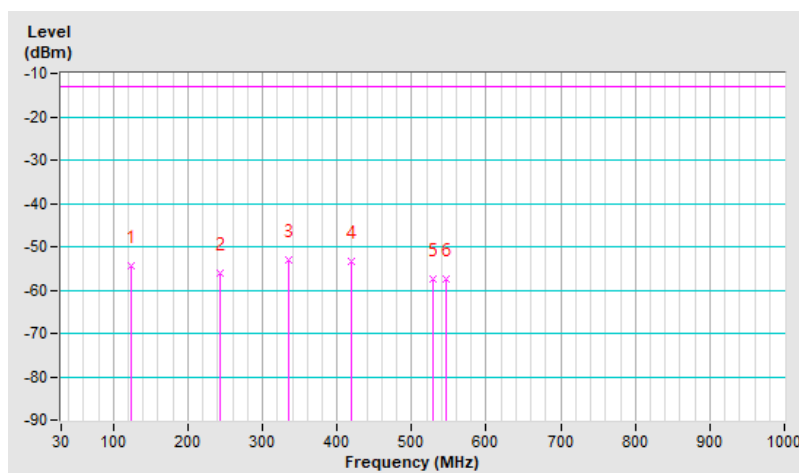


RF Mode	LTE Band 25 Channel Bandwidth: 20MHz	Channel	CH 26365 : 1882.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	124.09	-54.27	-13.00	-41.27	1.01 V	109	55.70	-109.97
2	243.40	-56.22	-13.00	-43.22	1.01 V	294	53.20	-109.42
3	335.55	-53.14	-13.00	-40.14	1.51 V	44	53.14	-106.28
4	418.97	-53.43	-13.00	-40.43	1.51 V	149	50.93	-104.36
5	529.55	-57.30	-13.00	-44.30	1.01 V	323	44.68	-101.98
6	547.01	-57.49	-13.00	-44.49	1.01 V	307	44.18	-101.67

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



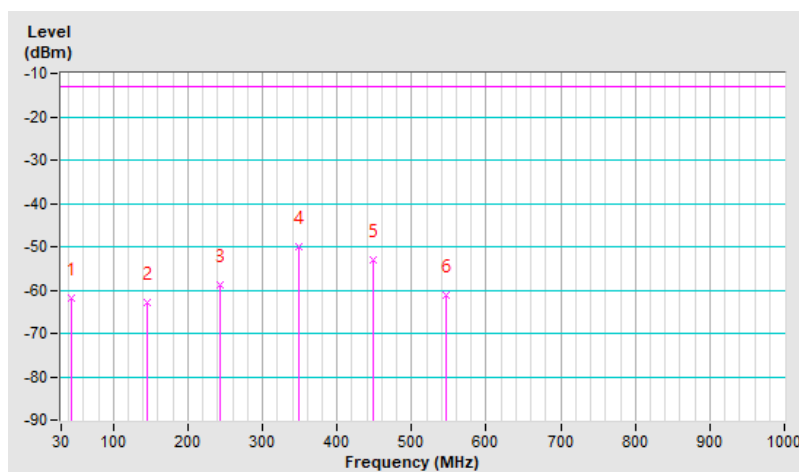
7.2.13 LTE Band 26 (814 MHz ~ 824 MHz)

RF Mode	LTE Band 26 Channel Bandwidth: 10MHz	Channel	CH 26740 : 819 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	44.55	-62.01	-13.00	-49.01	2.00 H	314	48.50	-110.51
2	144.46	-62.76	-13.00	-49.76	2.00 H	232	47.52	-110.28
3	243.40	-58.82	-13.00	-45.82	1.51 H	271	52.75	-111.57
4	349.13	-49.88	-13.00	-36.88	1.01 H	356	58.49	-108.37
5	448.07	-53.20	-13.00	-40.20	1.01 H	124	52.16	-105.36
6	546.04	-61.21	-13.00	-48.21	2.00 H	239	42.64	-103.85

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
- The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

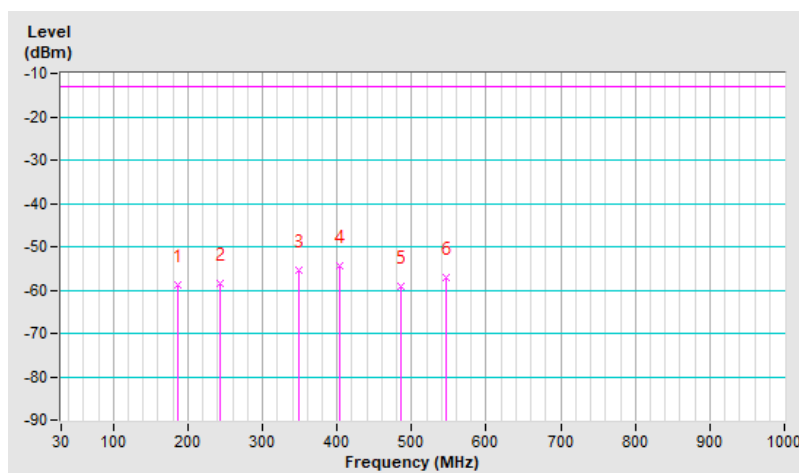


RF Mode	LTE Band 26 Channel Bandwidth: 10MHz	Channel	CH 26740 : 819 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	187.14	-58.86	-13.00	-45.86	1.00 V	184	53.84	-112.70
2	243.40	-58.52	-13.00	-45.52	1.00 V	243	53.05	-111.57
3	349.13	-55.39	-13.00	-42.39	1.00 V	135	52.98	-108.37
4	403.45	-54.44	-13.00	-41.44	1.49 V	130	52.50	-106.94
5	484.93	-59.06	-13.00	-46.06	2.00 V	176	45.86	-104.92
6	546.04	-57.16	-13.00	-44.16	1.00 V	304	46.69	-103.85

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



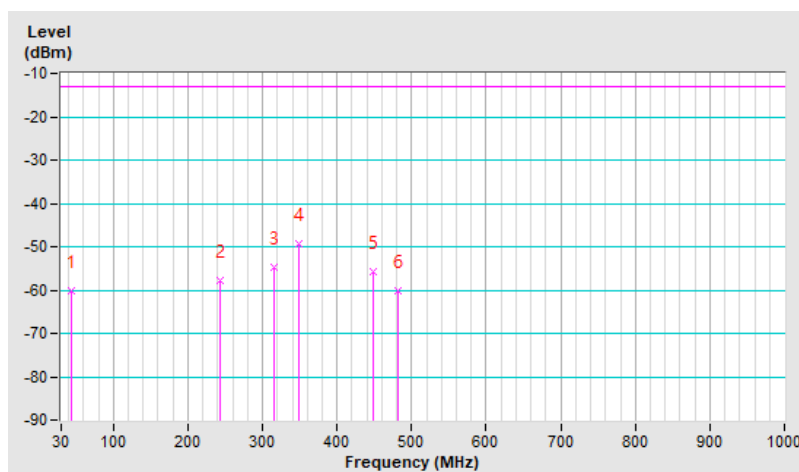
7.2.14 LTE Band 26 (824 MHz ~ 849 MHz)

RF Mode	LTE Band 26 Channel Bandwidth: 15MHz	Channel	CH 26965 : 841.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	43.58	-60.32	-13.00	-47.32	1.49 H	2	50.27	-110.59
2	243.40	-57.79	-13.00	-44.79	1.49 H	117	53.78	-111.57
3	315.18	-54.91	-13.00	-41.91	1.00 H	16	54.03	-108.94
4	348.16	-49.46	-13.00	-36.46	1.00 H	3	58.92	-108.38
5	449.04	-55.63	-13.00	-42.63	1.99 H	268	49.69	-105.32
6	482.02	-60.30	-13.00	-47.30	1.99 H	297	44.63	-104.93

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
- The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

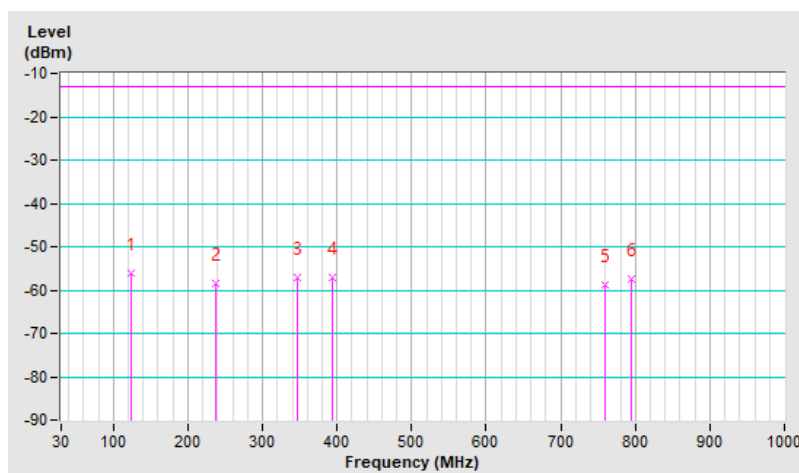


RF Mode	LTE Band 26 Channel Bandwidth: 15MHz	Channel	CH 26965 : 841.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	124.09	-56.18	-13.00	-43.18	1.01 V	107	55.94	-112.12
2	237.58	-58.44	-13.00	-45.44	1.01 V	233	53.42	-111.86
3	346.22	-56.97	-13.00	-43.97	1.51 V	124	51.44	-108.41
4	393.75	-57.05	-13.00	-44.05	1.51 V	110	50.10	-107.15
5	760.41	-58.89	-13.00	-45.89	1.51 V	18	40.31	-99.20
6	794.36	-57.62	-13.00	-44.62	2.00 V	158	41.24	-98.86

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



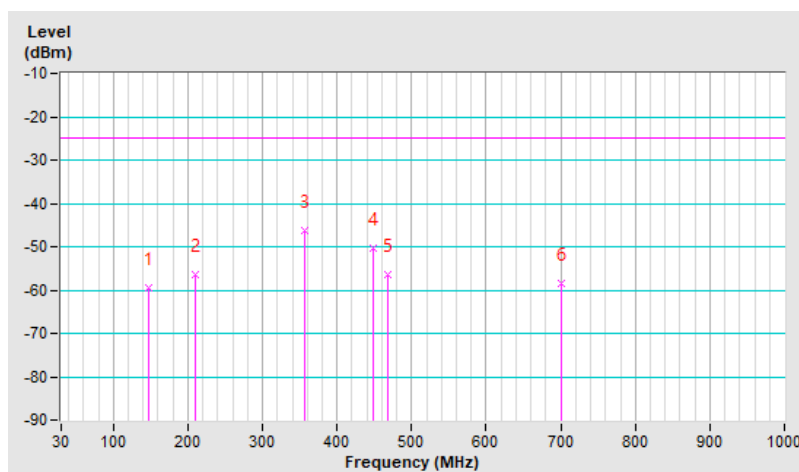
7.2.15 LTE Band 38

RF Mode	LTE Band 38 Channel Bandwidth: 20MHz	Channel	CH 38000 : 2595 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	146.40	-59.56	-25.00	-34.56	2.00 H	249	48.35	-107.91
2	210.42	-56.60	-25.00	-31.60	2.00 H	191	55.04	-111.64
3	355.92	-46.38	-25.00	-21.38	1.01 H	5	59.63	-106.01
4	448.07	-50.50	-25.00	-25.50	2.00 H	2	52.71	-103.21
5	467.47	-56.29	-25.00	-31.29	2.00 H	110	46.61	-102.90
6	701.24	-58.37	-25.00	-33.37	1.01 H	220	39.92	-98.29

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

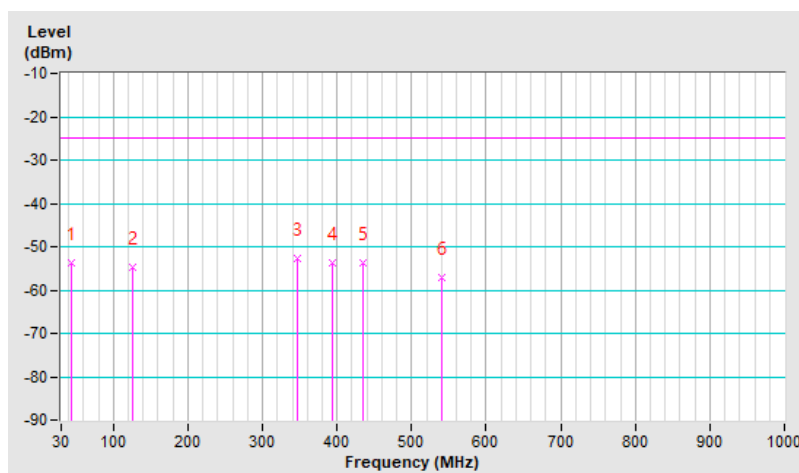


RF Mode	LTE Band 38 Channel Bandwidth: 20MHz	Channel	CH 38000 : 2595 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	43.58	-53.87	-25.00	-28.87	1.00 V	280	54.57	-108.44
2	126.03	-54.84	-25.00	-29.84	1.00 V	79	54.84	-109.68
3	346.22	-52.63	-25.00	-27.63	1.49 V	127	53.63	-106.26
4	393.75	-53.64	-25.00	-28.64	1.00 V	217	51.36	-105.00
5	435.46	-53.88	-25.00	-28.88	1.49 V	144	49.74	-103.62
6	540.22	-57.08	-25.00	-32.08	2.00 V	318	44.74	-101.82

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



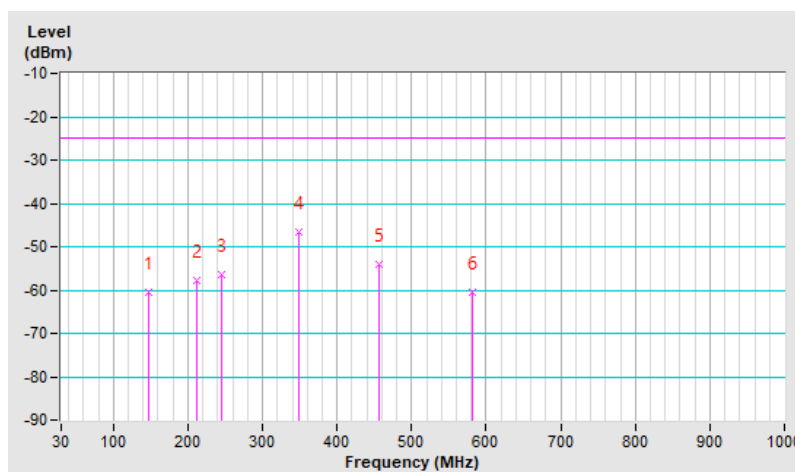
7.2.16 LTE Band 41

RF Mode	LTE Band 41 Channel Bandwidth: 20MHz	Channel	CH 40620 : 2593 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	146.40	-60.39	-25.00	-35.39	1.99 H	244	47.52	-107.91
2	211.39	-57.65	-25.00	-32.65	1.49 H	200	53.96	-111.61
3	245.34	-56.54	-25.00	-31.54	1.00 H	105	52.80	-109.34
4	349.13	-46.65	-25.00	-21.65	1.00 H	11	59.57	-106.22
5	455.83	-53.95	-25.00	-28.95	1.99 H	271	49.09	-103.04
6	580.96	-60.49	-25.00	-35.49	1.49 H	197	39.95	-100.44

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

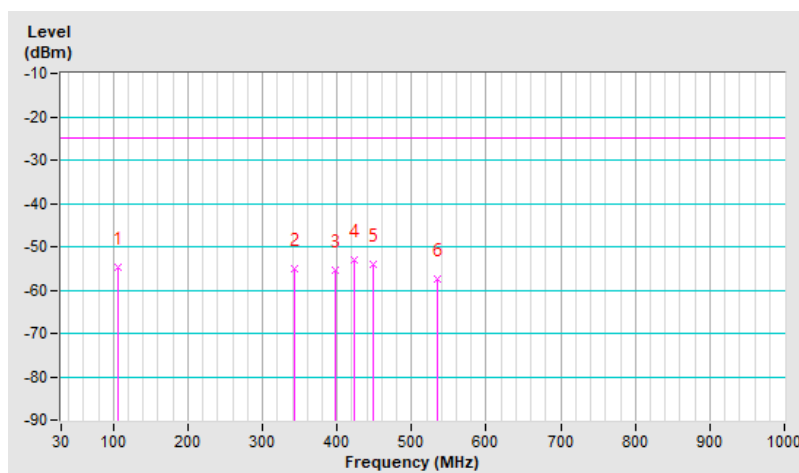


RF Mode	LTE Band 41 Channel Bandwidth: 20MHz	Channel	CH 40620 : 2593 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	105.66	-54.64	-25.00	-29.64	1.01 V	147	57.09	-111.73
2	342.34	-55.08	-25.00	-30.08	1.51 V	118	51.21	-106.29
3	397.63	-55.57	-25.00	-30.57	1.01 V	221	49.35	-104.92
4	423.82	-52.93	-25.00	-27.93	1.51 V	151	51.20	-104.13
5	449.04	-53.90	-25.00	-28.90	2.00 V	16	49.27	-103.17
6	534.40	-57.43	-25.00	-32.43	1.01 V	172	44.47	-101.90

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



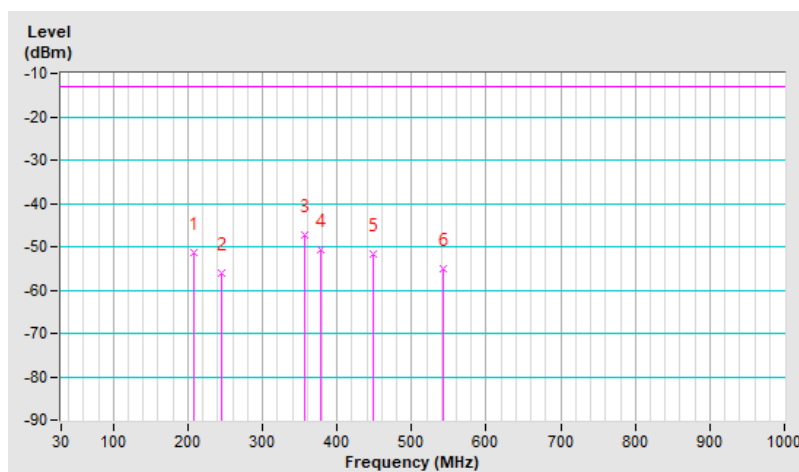
7.2.17 LTE Band 66

RF Mode	LTE Band 66 Channel Bandwidth: 20MHz	Channel	CH 132322 : 1745 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	208.48	-51.34	-13.00	-38.34	1.51 H	8	60.31	-111.65
2	244.37	-56.14	-13.00	-43.14	1.01 H	274	53.24	-109.38
3	355.92	-47.14	-13.00	-34.14	1.01 H	18	58.87	-106.01
4	377.26	-50.54	-13.00	-37.54	2.00 H	176	54.85	-105.39
5	449.04	-51.78	-13.00	-38.78	2.00 H	272	51.39	-103.17
6	543.13	-55.03	-13.00	-42.03	1.51 H	2	46.73	-101.76

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

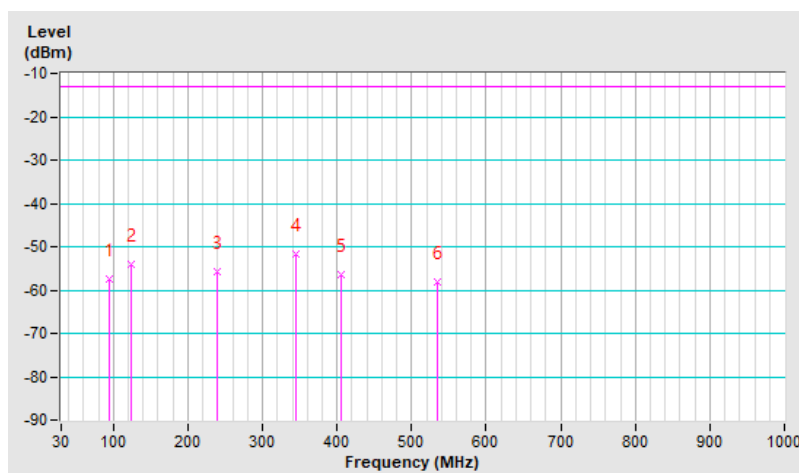


RF Mode	LTE Band 66 Channel Bandwidth: 20MHz	Channel	CH 132322 : 1745 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	94.99	-57.42	-13.00	-44.42	1.00 V	156	56.15	-113.57
2	123.12	-54.04	-13.00	-41.04	1.00 V	133	55.95	-109.99
3	239.52	-55.79	-13.00	-42.79	1.00 V	267	53.80	-109.59
4	345.25	-51.56	-13.00	-38.56	1.49 V	126	54.71	-106.27
5	405.39	-56.36	-13.00	-43.36	1.49 V	108	48.39	-104.75
6	534.40	-58.11	-13.00	-45.11	2.00 V	322	43.79	-101.90

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



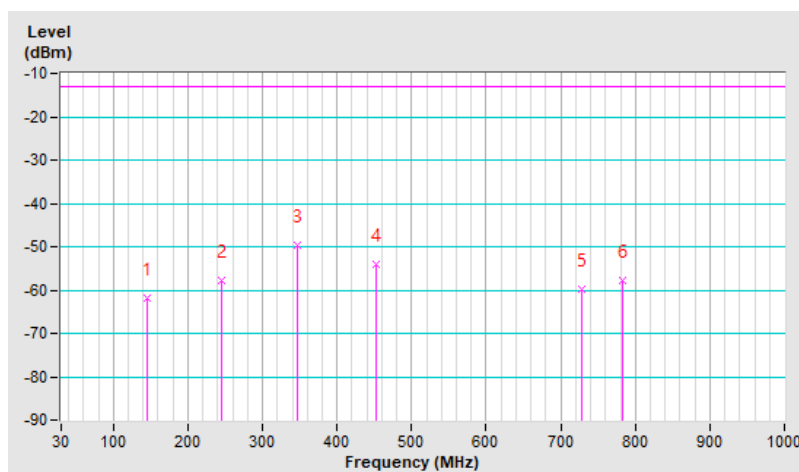
7.2.18 LTE Band 71

RF Mode	LTE Band 71 Channel Bandwidth: 20MHz	Channel	CH 133297 : 680.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	145.43	-61.70	-13.00	-48.70	2.00 H	243	48.47	-110.17
2	245.34	-57.94	-13.00	-44.94	1.01 H	104	53.55	-111.49
3	346.22	-49.50	-13.00	-36.50	1.01 H	5	58.91	-108.41
4	451.95	-54.22	-13.00	-41.22	2.00 H	2	51.04	-105.26
5	728.40	-59.71	-13.00	-46.71	2.00 H	240	40.34	-100.05
6	783.69	-57.86	-13.00	-44.86	1.01 H	1	41.07	-98.93

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
- The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

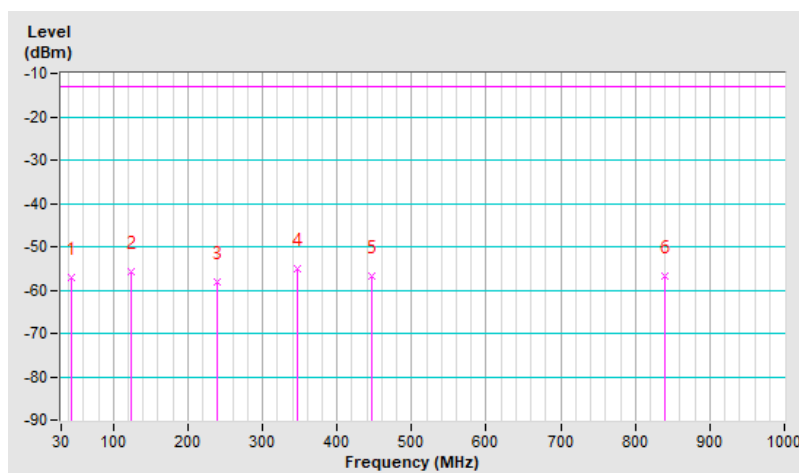


RF Mode	LTE Band 71 Channel Bandwidth: 20MHz	Channel	CH 133297 : 680.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	43.58	-57.27	-13.00	-44.27	1.00 V	247	53.32	-110.59
2	124.09	-55.87	-13.00	-42.87	1.00 V	180	56.25	-112.12
3	239.52	-58.17	-13.00	-45.17	1.00 V	252	53.57	-111.74
4	346.22	-55.14	-13.00	-42.14	1.49 V	120	53.27	-108.41
5	447.10	-56.76	-13.00	-43.76	1.99 V	18	48.62	-105.38
6	838.98	-56.68	-13.00	-43.68	1.99 V	21	42.01	-98.69

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



7.3 Radiated Spurious Emissions above 1GHz

WCDMA MODE

7.3.1 WCDMA Band II

RF Mode	WCDMA Band II	Channel	CH 9262 : 1852.4 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3704.80	-42.09	-13.00	-29.09	1.54 H	107	49.59	-91.68
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3704.80	-37.98	-13.00	-24.98	1.41 V	350	53.70	-91.68

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	WCDMA Band II	Channel	CH 9400 : 1880 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3704.80	-41.11	-13.00	-28.11	1.47 H	110	50.57	-91.68
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3704.80	-37.14	-13.00	-24.14	1.47 V	352	54.54	-91.68

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	WCDMA Band II	Channel	CH 9538 : 1907.6 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3815.20	-42.31	-13.00	-29.31	1.55 H	110	48.57	-90.88
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3815.20	-36.71	-13.00	-23.71	1.42 V	352	54.17	-90.88

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

7.3.2 WCDMA Band IV

RF Mode	WCDMA Band IV	Channel	CH 1312 : 1712.4 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3424.80	-44.40	-13.00	-31.40	1.67 H	74	48.69	-93.09
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3424.80	-42.15	-13.00	-29.15	1.14 V	98	50.94	-93.09

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	WCDMA Band IV	Channel	CH 1413 : 1732.6 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3465.20	-42.87	-13.00	-29.87	1.66 H	77	50.17	-93.04
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3465.20	-40.77	-13.00	-27.77	1.17 V	102	52.27	-93.04

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	WCDMA Band IV	Channel	CH 1513 : 1752.6 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3505.20	-44.66	-13.00	-31.66	1.73 H	72	48.33	-92.99
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3505.20	-41.19	-13.00	-28.19	1.10 V	103	51.80	-92.99

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

7.3.3 WCDMA Band V

RF Mode	WCDMA Band V	Channel	CH 4132 : 826.4 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1652.80	-57.09	-13.00	-44.09	1.34 H	304	44.92	-102.01
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1652.80	-57.17	-13.00	-44.17	1.89 V	275	44.84	-102.01

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

RF Mode	WCDMA Band V	Channel	CH 4183 : 836.6 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1672.80	-55.32	-13.00	-42.32	1.31 H	302	46.58	-101.90
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1672.80	-55.61	-13.00	-42.61	1.89 V	274	46.29	-101.90

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

RF Mode	WCDMA Band V	Channel	CH 4233 : 846.6 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1693.20	-56.25	-13.00	-43.25	1.34 H	303	45.53	-101.78
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1693.20	-56.56	-13.00	-43.56	1.84 V	271	45.22	-101.78

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

LTE MODE

7.3.4 LTE Band 2

RF Mode	LTE Band 2 Channel Bandwidth: 20MHz	Channel	CH 18700 : 1860 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3720.00	-40.16	-13.00	-27.16	1.49 H	241	51.38	-91.54
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3720.00	-36.10	-13.00	-23.10	1.52 V	329	55.44	-91.54

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

RF Mode	LTE Band 2 Channel Bandwidth: 20MHz	Channel	CH 18900 : 1880 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3760.00	-32.80	-13.00	-19.80	1.51 H	238	58.41	-91.21
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3760.00	-31.01	-13.00	-18.01	1.53 V	331	60.20	-91.21

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	LTE Band 2 Channel Bandwidth: 20MHz	Channel	CH 19100 : 1900 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3800.00	-39.40	-13.00	-26.40	1.52 H	238	51.51	-90.91
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3800.00	-35.45	-13.00	-22.45	1.50 V	328	55.46	-90.91

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

7.3.5 LTE Band 4

RF Mode	LTE Band 4 Channel Bandwidth: 20MHz	Channel	CH 20050 : 1720 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3440.00	-39.99	-13.00	-26.99	1.15 H	78	53.08	-93.07
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3440.00	-34.84	-13.00	-21.84	1.02 V	164	58.23	-93.07

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	LTE Band 4 Channel Bandwidth: 20MHz	Channel	CH 20175 : 1732.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3465.00	-39.84	-13.00	-26.84	1.16 H	76	53.20	-93.04
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3465.00	-34.79	-13.00	-21.79	1.00 V	162	58.25	-93.04

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	LTE Band 4 Channel Bandwidth: 20MHz	Channel	CH 20300 : 1745 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3490.00	-39.52	-13.00	-26.52	1.19 H	78	53.50	-93.02
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3490.00	-34.75	-13.00	-21.75	1.01 V	158	58.27	-93.02

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

7.3.6 LTE Band 5

RF Mode	LTE Band 5 Channel Bandwidth: 20MHz	Channel	CH 20450 : 829 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1658.00	-53.36	-13.00	-40.36	1.45 H	218	48.62	-101.98
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1658.00	-51.87	-13.00	-38.87	1.19 V	265	50.11	-101.98

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.

RF Mode	LTE Band 5 Channel Bandwidth: 20MHz	Channel	CH 20525 : 836.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.00	-52.49	-13.00	-39.49	1.45 H	215	49.40	-101.89
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.00	-51.65	-13.00	-38.65	1.16 V	262	50.24	-101.89

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

RF Mode	LTE Band 5 Channel Bandwidth: 20MHz	Channel	CH 20600 : 844 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1688.00	-52.81	-13.00	-39.81	1.52 H	217	49.00	-101.81
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1688.00	-52.07	-13.00	-39.07	1.16 V	266	49.74	-101.81

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.

7.3.7 LTE Band 7

RF Mode	LTE Band 7 Channel Bandwidth: 20MHz	Channel	CH 20850 : 2510 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5020.00	-36.53	-25.00	-11.53	1.46 H	82	51.11	-87.64
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5020.00	-31.18	-25.00	-6.18	1.33 V	236	56.46	-87.64

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	LTE Band 7 Channel Bandwidth: 20MHz	Channel	CH 21100 : 2535 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5070.00	-35.52	-25.00	-10.52	1.46 H	83	52.00	-87.52
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5070.00	-30.81	-25.00	-5.81	1.31 V	235	56.71	-87.52

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	LTE Band 7 Channel Bandwidth: 20MHz	Channel	CH 21350 : 2560 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5120.00	-36.04	-25.00	-11.04	1.48 H	84	51.38	-87.42
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5120.00	-31.16	-25.00	-6.16	1.31 V	232	56.26	-87.42

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

7.3.8 LTE Band 12

RF Mode	LTE Band 12 Channel Bandwidth: 10MHz	Channel	CH 23060 : 704 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1408.00	-48.23	-13.00	-35.23	1.34 H	218	54.67	-102.90
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1408.00	-52.06	-13.00	-39.06	1.52 V	202	50.84	-102.90

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.

RF Mode	LTE Band 12 Channel Bandwidth: 10MHz	Channel	CH 23095 : 707.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1415.00	-46.87	-13.00	-33.87	1.34 H	220	56.00	-102.87
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1415.00	-50.60	-13.00	-37.60	1.62 V	196	52.27	-102.87

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

RF Mode	LTE Band 12 Channel Bandwidth: 10MHz	Channel	CH 23130 : 711 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1422.00	-47.17	-13.00	-34.17	1.30 H	219	55.65	-102.82
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1422.00	-52.43	-13.00	-39.43	1.61 V	200	50.39	-102.82

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

7.3.9 LTE Band 13

RF Mode	LTE Band 13 Channel Bandwidth: 10MHz	Channel	CH 23230 : 782 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1564.00	-40.11	-40.00	-0.11	1.39 H	316	60.10	-100.21
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1564.00	-45.96	-40.00	-5.96	1.33 V	232	54.25	-100.21

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

7.3.10 LTE Band 14

RF Mode	LTE Band 14 Channel Bandwidth: 10MHz	Channel	CH 23330 : 793 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1586.00	-47.03	-40.00	-7.03	1.52 H	60	53.15	-100.18
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1586.00	-44.60	-40.00	-4.60	1.44 V	314	55.58	-100.18

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

7.3.11 LTE Band 17

RF Mode	LTE Band 17 Channel Bandwidth: 10MHz	Channel	CH 23780 : 709 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1418.00	-51.07	-13.00	-38.07	1.05 H	224	51.78	-102.85
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1418.00	-54.59	-13.00	-41.59	1.46 V	127	48.26	-102.85

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.

RF Mode	LTE Band 17 Channel Bandwidth: 10MHz	Channel	CH 23790 : 710 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1420.00	-50.51	-13.00	-37.51	1.04 H	220	52.33	-102.84
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1420.00	-53.44	-13.00	-40.44	1.41 V	130	49.40	-102.84

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

RF Mode	LTE Band 17 Channel Bandwidth: 10MHz	Channel	CH 23800 : 711 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1422.00	-51.52	-13.00	-38.52	1.05 H	224	51.30	-102.82
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1422.00	-55.32	-13.00	-42.32	1.41 V	124	47.50	-102.82

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

7.3.12 LTE Band 25

RF Mode	LTE Band 25 Channel Bandwidth: 20MHz	Channel	CH 26140 : 1860 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3720.00	-40.26	-13.00	-27.26	1.43 H	55	51.28	-91.54
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3720.00	-36.10	-13.00	-23.10	1.45 V	153	55.44	-91.54

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	LTE Band 25 Channel Bandwidth: 20MHz	Channel	CH 26365 : 1882.5 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3765.00	-39.05	-13.00	-26.05	1.40 H	55	52.11	-91.16
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3765.00	-35.13	-13.00	-22.13	1.49 V	154	56.03	-91.16

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	LTE Band 25 Channel Bandwidth: 20MHz	Channel	CH 26590 : 1905 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3810.00	-39.36	-13.00	-26.36	1.45 H	52	51.53	-90.89
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3810.00	-35.33	-13.00	-22.33	1.45 V	148	55.56	-90.89

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

7.3.13 LTE Band 26 (814 MHz ~ 824 MHz)

RF Mode	LTE Band 26 Channel Bandwidth: 10MHz	Channel	CH 26740 : 819 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1638.00	-50.76	-13.00	-37.76	1.51 H	329	51.33	-102.09
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1638.00	-50.46	-13.00	-37.46	1.26 V	271	51.63	-102.09

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.

7.3.14 LTE Band 26 (824 MHz ~ 849 MHz)

RF Mode	LTE Band 26 Channel Bandwidth: 15MHz	Channel	CH 26865 : 831.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1663.00	-53.63	-13.00	-40.63	1.05 H	228	48.32	-101.95
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1663.00	-52.34	-13.00	-39.34	1.49 V	272	49.61	-101.95

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.

RF Mode	LTE Band 26 Channel Bandwidth: 15MHz	Channel	CH 26915 : 836.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.00	-52.81	-13.00	-39.81	1.05 H	228	49.08	-101.89
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.00	-51.04	-13.00	-38.04	1.53 V	265	50.85	-101.89

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

RF Mode	LTE Band 26 Channel Bandwidth: 15MHz	Channel	CH 26965 : 841.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1683.00	-54.29	-13.00	-41.29	1.09 H	228	47.55	-101.84
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1683.00	-51.24	-13.00	-38.24	1.49 V	271	50.60	-101.84

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

7.3.15 LTE Band 38

RF Mode	LTE Band 38 Channel Bandwidth: 20MHz	Channel	CH 37850 : 2580 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5160.00	-32.48	-25.00	-7.48	1.14 H	259	54.97	-87.45
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5160.00	-27.88	-25.00	-2.88	1.42 V	233	59.57	-87.45

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	LTE Band 38 Channel Bandwidth: 20MHz	Channel	CH 38000 : 2595 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5190.00	-32.82	-25.00	-7.82	1.56 H	256	54.65	-87.47
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5190.00	-29.26	-25.00	-4.26	1.43 V	231	58.21	-87.47

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	LTE Band 38 Channel Bandwidth: 20MHz	Channel	CH 38150 : 2610 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5220.00	-33.34	-25.00	-8.34	1.53 H	260	54.20	-87.54
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5220.00	-28.69	-25.00	-3.69	1.00 V	234	58.85	-87.54

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

7.3.16 LTE Band 41

RF Mode	LTE Band 41 Channel Bandwidth: 20MHz	Channel	CH 39750 : 2506 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Owen Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5012.00	-35.38	-25.00	-10.38	1.02 H	265	52.27	-87.65
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5012.00	-33.56	-25.00	-8.56	1.03 V	165	54.09	-87.65

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	LTE Band 41 Channel Bandwidth: 20MHz	Channel	CH 40620 : 2593 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Owen Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5186.00	-30.04	-25.00	-5.04	1.32 H	81	57.42	-87.46
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5186.00	-29.61	-25.00	-4.61	1.00 V	60	57.85	-87.46

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	LTE Band 41 Channel Bandwidth: 20MHz	Channel	CH 41490 : 2680 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Owen Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5360.00	-32.44	-25.00	-7.44	1.27 H	96	55.23	-87.67
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5360.00	-30.12	-25.00	-5.12	1.05 V	73	57.55	-87.67

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

7.3.17 LTE Band 66

RF Mode	LTE Band 66 Channel Bandwidth: 20MHz	Channel	CH 132072 : 1720 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3440.00	-39.69	-13.00	-26.69	1.31 H	77	53.38	-93.07
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3440.00	-37.58	-13.00	-24.58	1.38 V	99	55.49	-93.07

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	LTE Band 66 Channel Bandwidth: 20MHz	Channel	CH 132322 : 1745 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3490.00	-39.38	-13.00	-26.38	1.31 H	80	53.64	-93.02
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3490.00	-33.04	-13.00	-20.04	1.30 V	102	59.98	-93.02

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	LTE Band 66 Channel Bandwidth: 20MHz	Channel	CH 132572 : 1770 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3540.00	-39.92	-13.00	-26.92	1.35 H	77	52.88	-92.80
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3540.00	-36.83	-13.00	-23.83	1.37 V	101	55.97	-92.80

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

7.3.18 LTE Band 71

RF Mode	LTE Band 71 Channel Bandwidth: 20MHz	Channel	CH 133222 : 673 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1346.00	-49.09	-13.00	-36.09	1.67 H	310	53.97	-103.06
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1346.00	-54.32	-13.00	-41.32	3.55 V	29	48.74	-103.06

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.

RF Mode	LTE Band 71 Channel Bandwidth: 20MHz	Channel	CH 133297 : 680.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1361.00	-47.48	-13.00	-34.48	1.61 H	308	55.54	-103.02
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1361.00	-52.79	-13.00	-39.79	3.50 V	27	50.23	-103.02

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

RF Mode	LTE Band 71 Channel Bandwidth: 20MHz	Channel	CH 133372 : 688 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Wade Huang		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1376.00	-47.75	-13.00	-34.75	1.67 H	304	55.24	-102.99
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1376.00	-53.20	-13.00	-40.20	3.54 V	23	49.79	-102.99

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

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The address and road map of all our labs can be found in our web site also.

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