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.:	RFBCKS-WTW-P25030760
FCC ID:	LXC-V2X-OBU-NAD
Product:	On-Board Unit
Brand:	MobiQ
Model No.:	OBU-5931
Received Date:	2024/7/30
Test Date:	2024/7/30 ~ 2024/12/13
Issued Date:	2025/5/8
Applicant:	DENSO International America, Inc
Address:	2251 Rutherford Road Suite 100, Carlsbad, California, 92008-8815 United States
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Lin Kou Laboratories
Lab Address:	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
Test Location (1):	No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, Taiwan
Test Location (2):	No. 70, Wenming Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)
FCC Registration / Designation Number:	788550 / TW0003 281270 / TW0032

Approved by: Jeremy . Lin , **Date:** 2025/5/8

Jeremy Lin / Project Engineer

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Prepared by : Lena Wang / Specialist

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Release Control Record

Issue No.	Description	Date Issued
RFBCKS-WTW-P25030760	Original release.	2025/5/8

1 Certificate

Product:	On-Board Unit
Brand:	MobiQ
Test Model:	OBU-5931
Sample Status:	Engineering sample
Applicant:	DENSO International America, Inc
Test Date:	2024/7/30 ~ 2024/12/13
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 procedure:	ANSI/TIA/EIA-603-E 2016 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 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	NA	Refer to Note
Part 22.913 (d) Part 24.232 (d) Part 27.50(d)	Peak to Average Ratio	NA	Refer to Note
Part 2.1049	Bandwidth	NA	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 90.691 Part 90.543(e)(f)	Conducted Spurious Emissions	NA	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 90.691 Part 90.543(e)(f)	Radiated Spurious Emissions below 1GHz	Pass	Minimum passing margin is -18.42 dB at 57.16 MHz
Part 2.1053 Part 22.917 Part 24.238 Part 27.53(h) Part 27.53(m) Part 27.53(g) Part 90.691 Part 90.543(e)(f)	Radiated Spurious Emissions above 1GHz	Pass	Minimum passing margin is -8.01 dB at 1586.00 MHz
Part 2.1055 Part 22.355 Part 24.235 Part 27.54 Part 90.213 Part 90.539(e)	Frequency Stability	NA	Refer to Note

Note:

1. Since the conducted power set the same and the verified power is less than or equal to the original certified power, only test item of Effective Radiated Power and Equivalent Isotropically Radiated Power and Radiated Spurious Emissions test were performed for this report. Other testing data please refer to BVCPS Report No.: RFBHKI-WTW-P21120244, RFBHKI-WTW-P21120244-1, RFBHKI-WTW-P21120244-2, RFBHKI-WTW-P21120244-3 (Module, Brand: WNC, Model: UMC-MT2731CBN, FCC ID: NKRUMC-MT2731CBN).
2. 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	On-Board Unit
Brand	MobiQ
Test Model	OBU-5931
Status of EUT	Engineering sample
Power Supply Rating	DC12V
EUT Category	Mobile station

Note:

1. The WWAN module (Brand: WNC, Model: UMC-MT2731CBN, FCC ID: NKRUMC-MT2731CBN) is used in this EUT.
2. EUT Overview

GSM 850

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)
-	824.2 ~ 848.8	GMSK	0.973	29.88

GSM 1900

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
-	1850.2 ~ 1909.8	GMSK	1.023	30.10

EDGE 850

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)
-	824.2 ~ 848.8	8PSK	0.776	28.90

EDGE 1900

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
-	1850.2 ~ 1909.8	8PSK	0.822	29.15

LTE Band 2

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
1.4 MHz	1850.7 ~ 1909.3	QPSK	0.272	24.34
		16QAM	0.247	23.93
		64QAM	0.185	22.67
3 MHz	1851.5 ~ 1908.5	QPSK	0.290	24.62
		16QAM	0.252	24.01
		64QAM	0.187	22.72
5 MHz	1852.5 ~ 1907.5	QPSK	0.290	24.62
		16QAM	0.247	23.92
		64QAM	0.187	22.71
10 MHz	1855 ~ 1905	QPSK	0.279	24.45
		16QAM	0.250	23.98
		64QAM	0.186	22.69
15 MHz	1857.5 ~ 1902.5	QPSK	0.288	24.59
		16QAM	0.243	23.85
		64QAM	0.186	22.69
20 MHz	1860 ~ 1900	QPSK	0.290	24.63
		16QAM	0.238	23.76
		64QAM	0.187	22.71

LTE Band 4

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
1.4 MHz	1710.7 ~ 1754.3	QPSK	0.222	23.47
		16QAM	0.195	22.9
		64QAM	0.147	21.68
3 MHz	1711.5 ~ 1753.5	QPSK	0.233	23.67
		16QAM	0.200	23.01
		64QAM	0.151	21.79
5 MHz	1712.5 ~ 1752.5	QPSK	0.229	23.6
		16QAM	0.189	22.77
		64QAM	0.143	21.56
10 MHz	1715 ~ 1750	QPSK	0.217	23.36
		16QAM	0.190	22.78
		64QAM	0.148	21.71
15 MHz	1717.5 ~ 1747.5	QPSK	0.240	23.81
		16QAM	0.199	22.98
		64QAM	0.151	21.8
20 MHz	1720 ~ 1745	QPSK	0.247	23.92
		16QAM	0.203	23.07
		64QAM	0.151	21.78

LTE Band 5

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)
1.4 MHz	824.7 ~ 848.3	QPSK	0.168	22.26
		16QAM	0.140	21.47
		64QAM	0.112	20.5
3 MHz	825.5 ~ 847.5	QPSK	0.168	22.26
		16QAM	0.144	21.57
		64QAM	0.112	20.48
5 MHz	826.5 ~ 846.5	QPSK	0.167	22.24
		16QAM	0.145	21.6
		64QAM	0.112	20.5
10 MHz	829 ~ 844	QPSK	0.169	22.28
		16QAM	0.140	21.45
		64QAM	0.111	20.45

LTE Band 7

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
5 MHz	2502.5 ~ 2567.5	QPSK	0.217	23.36
		16QAM	0.185	22.67
		64QAM	0.145	21.61
10 MHz	2505 ~ 2565	QPSK	0.222	23.47
		16QAM	0.179	22.52
		64QAM	0.148	21.71
15 MHz	2507.5 ~ 2562.5	QPSK	0.222	23.46
		16QAM	0.185	22.66
		64QAM	0.144	21.57
20 MHz	2510 ~ 2560	QPSK	0.239	23.78
		16QAM	0.196	22.93
		64QAM	0.148	21.7

LTE Band 12

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)
1.4 MHz	699.7 ~ 715.3	QPSK	0.189	22.76
		16QAM	0.153	21.86
		64QAM	0.126	21.02
3 MHz	700.5 ~ 714.5	QPSK	0.188	22.75
		16QAM	0.166	22.19
		64QAM	0.128	21.07
5 MHz	701.5 ~ 713.5	QPSK	0.182	22.59
		16QAM	0.153	21.86
		64QAM	0.119	20.76
10 MHz	704 ~ 711	QPSK	0.189	22.77
		16QAM	0.146	21.63
		64QAM	0.119	20.77

LTE Band 14

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)
5 MHz	790.5 ~ 795.5	QPSK	0.193	22.86
		16QAM	0.167	22.23
		64QAM	0.135	21.31
10 MHz	793	QPSK	0.194	22.87
		16QAM	0.170	22.3
		64QAM	0.144	21.59

LTE Band 17

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)
5 MHz	706.5 ~ 713.5	QPSK	0.188	22.74
		16QAM	0.167	22.23
		64QAM	0.125	20.97
10 MHz	709 ~ 711	QPSK	0.189	22.77
		16QAM	0.158	21.98
		64QAM	0.128	21.08

LTE Band 25

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
1.4 MHz	1850.7 ~ 1914.3	QPSK	0.258	24.12
		16QAM	0.229	23.59
		64QAM	0.175	22.44
3 MHz	1851.5 ~ 1913.5	QPSK	0.268	24.28
		16QAM	0.233	23.68
		64QAM	0.179	22.52
5 MHz	1852.5 ~ 1912.5	QPSK	0.268	24.28
		16QAM	0.228	23.58
		64QAM	0.177	22.48
10 MHz	1855 ~ 1910	QPSK	0.261	24.16
		16QAM	0.229	23.59
		64QAM	0.174	22.4
15 MHz	1857.5 ~ 1907.5	QPSK	0.258	24.12
		16QAM	0.224	23.5
		64QAM	0.177	22.48
20 MHz	1860 ~ 1905	QPSK	0.269	24.3
		16QAM	0.222	23.47
		64QAM	0.171	22.33

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	0.174	22.4
		16QAM	0.135	21.29
		64QAM	0.106	20.25
3 MHz	815.5 ~ 822.5	QPSK	0.174	22.4
		16QAM	0.136	21.34
		64QAM	0.108	20.34
5 MHz	816.5 ~ 821.5	QPSK	0.174	22.4
		16QAM	0.138	21.39
		64QAM	0.110	20.4
10 MHz	819	QPSK	0.174	22.41
		16QAM	0.140	21.45
		64QAM	0.141	21.49

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	0.171	22.34
		16QAM	0.129	21.12
		64QAM	0.104	20.19
3 MHz	825.5 ~ 847.5	QPSK	0.170	22.3
		16QAM	0.132	21.19
		64QAM	0.106	20.24
5 MHz	826.5 ~ 846.5	QPSK	0.172	22.36
		16QAM	0.134	21.26
		64QAM	0.107	20.31
10 MHz	829 ~ 844	QPSK	0.171	22.34
		16QAM	0.137	21.38
		64QAM	0.109	20.39
15 MHz	831.5 ~ 841.5	QPSK	0.172	22.35
		16QAM	0.139	21.43
		64QAM	0.112	20.5

LTE Band 66

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
1.4 MHz	1710.7 ~ 1779.3	QPSK	0.229	23.59
		16QAM	0.178	22.51
		64QAM	0.140	21.47
3 MHz	1711.5 ~ 1778.5	QPSK	0.232	23.66
		16QAM	0.180	22.55
		64QAM	0.146	21.65
5 MHz	1712.5 ~ 1777.5	QPSK	0.237	23.75
		16QAM	0.184	22.65
		64QAM	0.149	21.74
10 MHz	1715 ~ 1775	QPSK	0.239	23.78
		16QAM	0.186	22.7
		64QAM	0.151	21.8
15 MHz	1717.5 ~ 1772.5	QPSK	0.242	23.83
		16QAM	0.189	22.76
		64QAM	0.153	21.85
20 MHz	1720 ~ 1770	QPSK	0.247	23.93
		16QAM	0.193	22.86
		64QAM	0.155	21.9

3. 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.

Type	Dipole											
Connector	SMA											
Band	GSM 850 / EDGE 850	GSM 1900 / EDGE 1900	LTE B2	LTE B4	LTE B5	LTE B7	LTE B12	LTE B14	LTE B17	LTE B25	LTE B26	LTE B66
Gain (dBi)	3.4	5.9	5.9	5.9	3.4	4.1	4.1	4.1	4.1	5.9	3.4	5.9
Cable loss	2.06	4.15	4.15	4.35	2.06	3.05	2.1	2.1	2.1	4.15	2.06	4.35
Gain With cable loss (dBi)	1.34	1.75	1.75	1.55	1.34	1.05	2	2	2	1.75	1.34	1.55

*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.

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. Pre-scan these ways and find the worst case as a representative test condition.
Worst Case:	1. X-axis/ Y-axis/ Z-axis Worst Condition: X-axis

3.3.1 GSM 850 / EDGE 850

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	128 (824.2 MHz) 189 (836.4 MHz) 251 (848.8 MHz)	-	GMSK 8PSK	GSM EDGE
Radiated Spurious Emissions below 1GHz	128 (824.2 MHz)	-	GMSK 8PSK	GSM EDGE
Radiated Spurious Emissions above 1GHz	128 (824.2 MHz) 189 (836.4 MHz) 251 (848.8 MHz)	-	GMSK 8PSK	GSM EDGE

3.3.2 GSM 1900 / EDGE 1900

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	512 (1850.2 MHz) 661 (1880.0 MHz) 810 (1909.8 MHz)	-	GMSK 8PSK	GSM EDGE
Radiated Spurious Emissions below 1GHz	810 (1909.8 MHz)	-	GMSK 8PSK	GSM EDGE
Radiated Spurious Emissions above 1GHz	512 (1850.2 MHz) 661 (1880.0 MHz) 810 (1909.8 MHz)	-	GMSK 8PSK	GSM EDGE

3.3.3 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	19175(1907.50 MHz)	5 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	18607(1850.70 MHz) 18900(1880.00 MHz) 19193(1909.30 MHz)	1.4 MHz	QPSK	1 RB
	18625(1852.50 MHz) 18900(1880.00 MHz) 19175(1907.50 MHz)	5 MHz	QPSK	1 RB
	18700(1860.00 MHz) 18900(1880.00 MHz) 19100(1900.00 MHz)	20 MHz	QPSK	1 RB

3.3.4 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	19957(1710.70 MHz) 20175(1732.50 MHz) 20393(1754.30 MHz)	1.4 MHz	QPSK	1 RB
	19975(1712.50 MHz) 20175(1732.50 MHz) 20375(1752.50 MHz)	5 MHz	QPSK	1 RB
	20050(1720.00 MHz) 20175(1732.50 MHz) 20300(1745.00 MHz)	20 MHz	QPSK	1 RB

3.3.5 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	20525(836.50 MHz)	10 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	20407(824.70 MHz) 20525(836.50 MHz) 20643(848.30 MHz)	1.4 MHz	QPSK	1 RB
	20425(826.50 MHz) 20525(836.50 MHz) 20625(846.50 MHz)	5 MHz	QPSK	1 RB
	20450(829.00 MHz) 20525(836.50 MHz) 20600(844.00 MHz)	10 MHz	QPSK	1 RB

3.3.6 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	21100(2535.00 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	20775(2502.50 MHz) 21100(2535.00 MHz) 21425(2567.50 MHz)	5 MHz	QPSK	1 RB
	20850(2510.00 MHz) 21100(2535.00 MHz) 21350(2560.00 MHz)	20 MHz	QPSK	1 RB

3.3.7 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	23017(699.70 MHz) 23095(707.50 MHz) 23173(715.30 MHz)	1.4 MHz	QPSK	1 RB
	23035(701.50 MHz) 23095(707.50 MHz) 23155(713.50 MHz)	5 MHz	QPSK	1 RB
	23060(704.00 MHz) 23095(707.50 MHz) 23130(711.00 MHz)	10 MHz	QPSK	1 RB

3.3.8 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 / 256QAM	1 RB Half RB Full RB
	23330(793.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	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	23305(790.50 MHz) 23330(793.00 MHz) 23355(795.50 MHz)	5 MHz	QPSK	1 RB
	23330(793.00 MHz)	10 MHz	QPSK	1 RB

3.3.9 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	23755(706.50 MHz) 23790(710.00 MHz) 23825(713.50 MHz)	5 MHz	QPSK	1 RB
	23780(709.00 MHz) 23790(710.00 MHz) 23800(711.00 MHz)	10 MHz	QPSK	1 RB

3.3.10 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	26683(1914.30 MHz)	1.4 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	26047(1850.70 MHz) 26365(1882.50 MHz) 26683(1914.30 MHz)	1.4 MHz	QPSK	1 RB
	26065(1852.50 MHz) 26365(1882.50 MHz) 26665(1912.50 MHz)	5 MHz	QPSK	1 RB
	26140(1860.00 MHz) 26365(1882.50 MHz) 26590(1905.00 MHz)	20 MHz	QPSK	1 RB

3.3.11 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	26697(814.70 MHz) 26740(819.00 MHz) 26783(823.30 MHz)	1.4 MHz	QPSK	1 RB
	26715(816.50 MHz) 26740(819.00 MHz) 26765(821.50 MHz)	5 MHz	QPSK	1 RB
	26740(819.00 MHz)	10 MHz	QPSK	1 RB

3.3.12 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	26915(836.50 MHz)	15 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	26797(824.70 MHz) 26915(836.50 MHz) 27033(848.30 MHz)	1.4 MHz	QPSK	1 RB
	26815(826.50 MHz) 26915(836.50 MHz) 27015(846.50 MHz)	5 MHz	QPSK	1 RB
	26865(831.50 MHz) 26915(836.50 MHz) 26965(841.50 MHz)	15 MHz	QPSK	1 RB

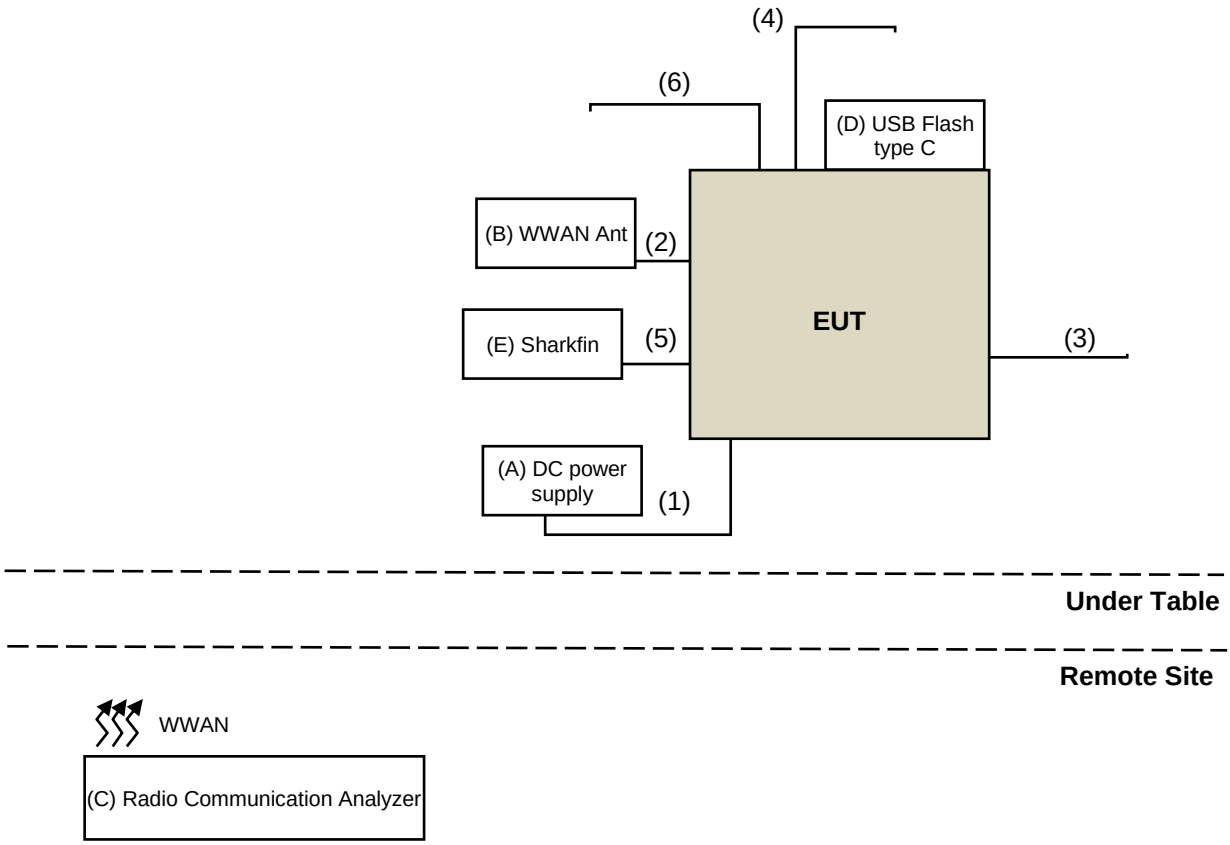
3.3.13 LTE Band 66

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	132647(1777.50 MHz)	5 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	131979(1710.70 MHz) 132322(1745.00 MHz) 132665(1779.30 MHz)	1.4 MHz	QPSK	1 RB
	131997(1712.50 MHz) 132322(1745.00 MHz) 132647(1777.50 MHz)	5 MHz	QPSK	1 RB
	132072(1720.00 MHz) 132322(1745.00 MHz) 132572(1770.00 MHz)	20 MHz	QPSK	1 RB

3.4 Test Program Used and Operation Descriptions

Controlling software WWAN: EUT link Simulator has been activated to set the EUT under transmission condition continuously at specific channel frequency.

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	DC Power Supply	Topward	6603A	725906	N/A	Provided by Lab
B	WWAN Ant	TE	ANT-LTE-WS-SMA	N/A	N/A	Supplied by applicant
C	Radio Communication Analyzer	Anritsu	MT8821C	6201462755	N/A	Provided by Lab
D	USB Flash type C	SanDisk	SDDDC3	032G	N/A	Provided by Lab
E	Sharkfin	WNC	81VYAC15.G01	N/A	N/A	Supplied by applicant

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	DC power Cable	1	10	No	0	Supplied by applicant
2	WWAN Ant Cable	2	3	No	0	Supplied by applicant
3	Micro USB Cable	1	1	YES	0	Supplied by applicant
4	HDMI Cable	1	1	YES	0	Provided by Lab
5	Sharkfin Ant cable	3	3	No	0	Supplied by applicant
6	Audio Cable	1	1.5	No	0	Provided by Lab

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
PXA Signal Analyzer Keysight	N9030B	MY57140938	2024/3/20	2025/3/19
Radio Communication Analyzer Anritsu	MT8821C	6201462755	2024/3/13	2025/3/12
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
UXM 5G Wireless Test Platform Keysight	E7515B	MY60102115	2024/5/26	2025/5/25

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2024/9/1 ~ 2024/9/13

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	2024/1/15	2025/1/14
	EMC001340	980201	2024/9/24	2025/9/23
PXA Signal Analyzer Keysight	N9030B	MY57140488	2024/3/6	2025/3/5
RF Coaxial Cable EMCI	EMCCFD400-NM-NM-500	201245	2024/1/15	2025/1/14
	EMCCFD400-NM-NM-3000	201250	2024/1/15	2025/1/14
	EMCCFD400-NM-NM-9000	201252(with PAD)	2024/1/15	2025/1/14
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: 2024/12/10 ~ 2024/12/13

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	2023/11/12	2024/11/11
Horn Antenna Schwarzbeck	BBHA 9170	9170-1048	2023/11/12	2024/11/11
MXE EMI Receiver Agilent	N9038A	MY52260177	2023/9/15	2024/9/14
Preamplifier EMCI	EMC118A45SE	980810	2023/12/28	2024/12/27
	EMC184045SE	980787	2024/1/15	2025/1/14
PXA Signal Analyzer Keysight	N9030B	MY57140488	2024/3/6	2025/3/5
RF Coaxial Cable EMCI	EMC101G-KM-KM-2000	201254	2024/1/15	2025/1/14
	EMC101G-KM-KM-3000	201258	2024/1/15	2025/1/14
	EMC101G-KM-KM-5000	201261	2024/1/15	2025/1/14
	EMC104-SM-SM-1000	210101	2024/1/15	2025/1/14
	EMC104-SM-SM-3000	201242	2024/1/15	2025/1/14
	EMC104-SM-SM-9000	201230	2024/1/15	2025/1/14
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: 2024/7/30 ~ 2024/8/2

5 Limits of Test Items

5.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

For GSM 850, EDGE 850, 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 GSM 1900, EDGE 1900, 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:

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

For 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:

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 GSM 850, EDGE 850, GSM 1900, EDGE 1900, 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 grater than 37.5 kHz from channel edge is allowed.

For LTE Band 12, LTE Band 17:

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 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:

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 GSM 850, EDGE 850, GSM 1900, EDGE 1900, 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 grater than 37.5 kHz from channel edge is allowed.

For LTE Band 12, LTE Band 17:

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 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:

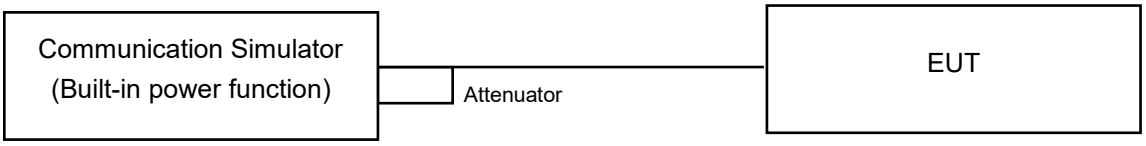
According to FCC 47 CFR part 27.53(m)(4), on any frequency outside a licensee’s frequency block, The power of any emission shall be attenuated below the transmitter power (P) by at least 55 + 10 log (P) dB. The emission limit equal to –25 dBm.

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:

$EIRP = P_{Meas} + G_T$

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

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)

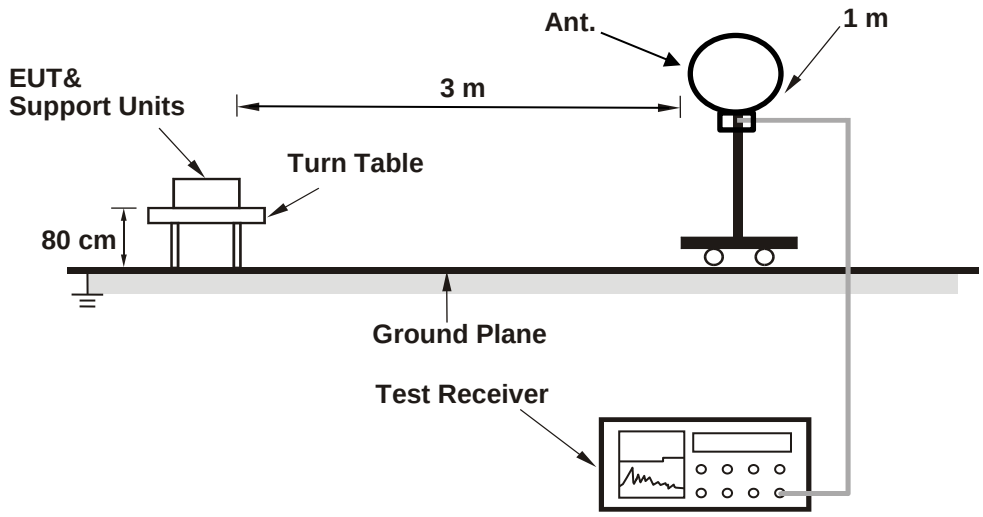
P_{Meas} measured transmitter output power or PSD, in dBm or dBW

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

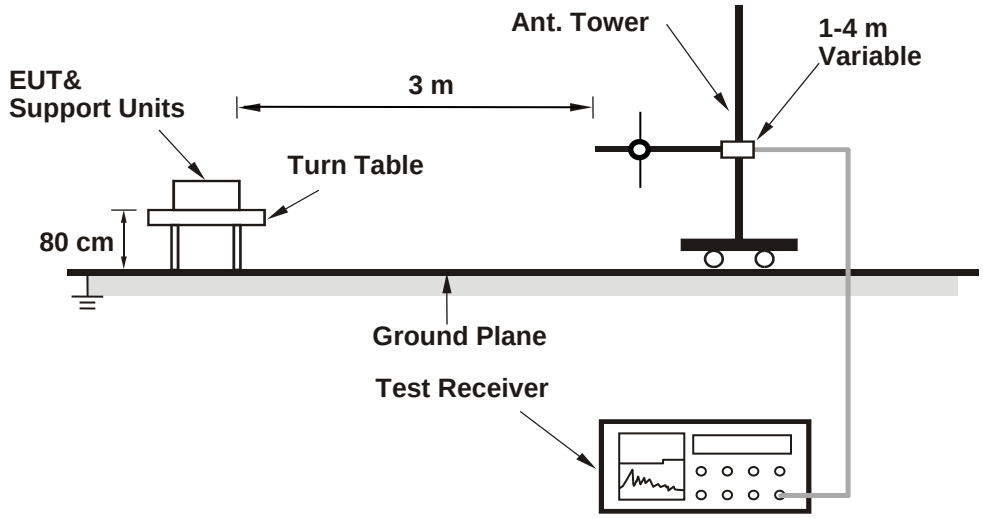
6.2 Radiated Spurious Emissions below 1GHz

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 (dBμV/m) + 20log(D) - 104.8; where D is the measurement distance (in the far field region) in m.

f. ERP (dBm) = E (dBμV/m) + 20log(D) - 104.8 - 2.15; where D is the measurement distance (in the far field region) in m.

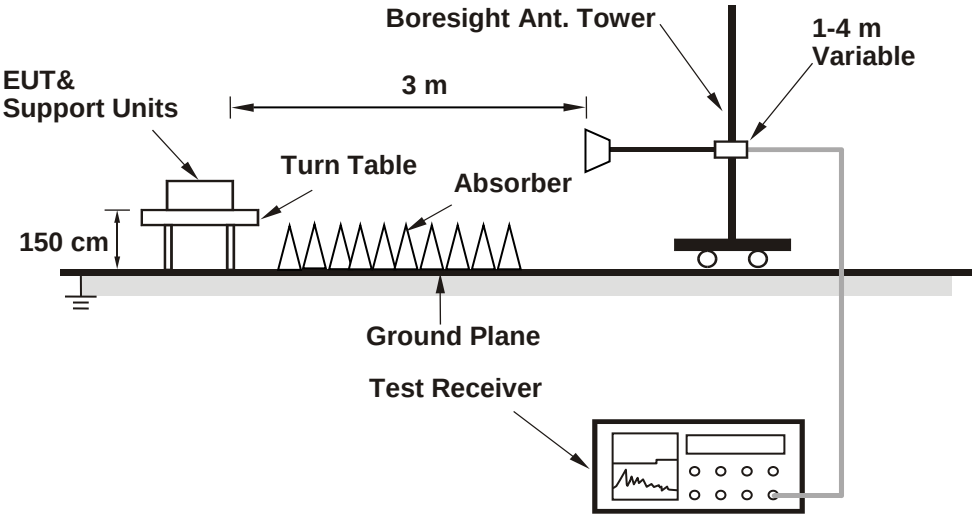
Note:

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.

a. 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.

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 (dBμV/m) + 20log(D) - 104.8; where D is the measurement distance (in the far field region) in m.

f. ERP (dBm) = E (dBμV/m) + 20log(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:	12 Vdc	Environmental Conditions:	22°C, 68% RH	Tested By:	Noah Chang

7.1.1 GSM 850 / EDGE 850

Band	Measurement Conducted Power (dBm)		
Channel	128	189	251
Frequency (MHz)	824.2	836.4	848.8
GPRS	30.69	30.55	30.40
EDGE	29.71	29.65	29.49

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
GPRS	30.40	30.69	29.59	29.88	38.45
EDGE	29.49	29.71	28.68	28.90	38.45

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

7.1.2 GSM 1900 / EDGE 1900

Band	Measurement Conducted Power (dBm)		
Channel	512	661	810
Frequency (MHz)	1850.2	1880	1909.8
GPRS	27.94	28.11	28.35
EDGE	26.99	27.18	27.40

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
GPRS	27.94	28.35	29.69	30.10	33.01
EDGE	26.99	27.40	28.74	29.15	33.01

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

7.1.3 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	22.58	22.59	22.55
	1	2	22.50	22.52	22.47
	1	5	22.46	22.47	22.50
	3	0	22.43	22.47	22.45
	3	1	22.46	22.48	22.44
	3	3	22.43	22.46	22.47
	6	0	21.58	21.54	21.53
16QAM	1	0	22.13	22.18	22.16
	1	2	22.12	22.13	22.10
	1	5	22.06	22.08	22.09
	3	0	21.62	21.61	21.60
	3	1	21.56	21.58	21.53
	3	3	21.58	21.59	21.56
	6	0	20.77	20.81	20.79
64QAM	1	0	20.88	20.92	20.89
	1	2	20.84	20.86	20.82
	1	5	20.81	20.83	20.82
	3	0	20.77	20.81	20.80
	3	1	20.73	20.77	20.78
	3	3	20.70	20.73	20.68
	6	0	19.53	19.58	19.60

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.53	22.59	23.28	24.34	33.01
16QAM	20.77	22.18	22.52	23.93	33.01
64QAM	19.53	20.92	21.28	22.67	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	22.81	22.87	22.84
	1	7	22.77	22.80	22.81
	1	14	22.74	22.76	22.73
	8	0	21.52	21.53	21.48
	8	3	21.53	21.56	21.54
	8	7	21.52	21.54	21.51
	15	0	21.50	21.53	21.48
16QAM	1	0	22.22	22.26	22.24
	1	7	22.13	22.17	22.14
	1	14	22.07	22.13	22.09
	8	0	20.76	20.72	20.74
	8	3	20.64	20.66	20.63
	8	7	20.59	20.64	20.62
	15	0	20.61	20.63	20.66
64QAM	1	0	20.94	20.97	20.91
	1	7	20.93	20.96	20.92
	1	14	20.91	20.93	20.88
	8	0	19.64	19.66	19.67
	8	3	19.63	19.68	19.64
	8	7	19.58	19.63	19.61
	15	0	19.59	19.58	19.54

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.48	22.87	23.23	24.62	33.01
16QAM	20.59	22.26	22.34	24.01	33.01
64QAM	19.54	20.97	21.29	22.72	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	22.80	22.87	22.82
	1	12	22.77	22.84	22.81
	1	24	22.34	22.36	22.40
	12	0	21.53	21.54	21.57
	12	6	21.62	21.61	21.59
	12	13	21.56	21.58	21.60
	25	0	21.53	21.57	21.55
16QAM	1	0	22.13	22.17	22.11
	1	12	22.12	22.13	22.07
	1	24	21.90	21.91	21.88
	12	0	20.64	20.66	20.63
	12	6	20.53	20.56	20.54
	12	13	20.56	20.59	20.61
	25	0	20.53	20.57	20.54
64QAM	1	0	20.93	20.96	20.91
	1	12	20.91	20.94	20.88
	1	24	20.90	20.92	20.91
	12	0	19.62	19.61	19.61
	12	6	19.64	19.63	19.58
	12	13	19.53	19.56	19.54
	25	0	19.62	19.65	19.61

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.53	22.87	23.28	24.62	33.01
16QAM	20.53	22.17	22.28	23.92	33.01
64QAM	19.53	20.96	21.28	22.71	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	22.66	22.70	22.64
	1	24	22.58	22.63	22.66
	1	49	22.48	22.50	22.47
	25	0	21.62	21.60	21.58
	25	12	21.56	21.58	21.61
	25	25	21.51	21.50	21.47
	50	0	21.56	21.57	21.53
16QAM	1	0	22.18	22.23	22.20
	1	24	22.07	22.12	22.13
	1	49	22.02	22.03	21.96
	25	0	20.77	20.80	20.82
	25	12	20.66	20.68	20.63
	25	25	20.58	20.61	20.64
	50	0	20.54	20.58	20.60
64QAM	1	0	20.91	20.94	20.88
	1	24	20.83	20.86	20.81
	1	49	20.82	20.83	20.81
	25	0	19.70	19.72	19.77
	25	12	19.62	19.60	19.58
	25	25	19.58	19.61	19.60
	50	0	19.61	19.62	19.59

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.47	22.7	23.22	24.45	33.01
16QAM	20.54	22.23	22.29	23.98	33.01
64QAM	19.58	20.94	21.33	22.69	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	22.79	22.83	22.84
	1	37	22.77	22.52	20.76
	1	74	22.38	22.36	22.40
	36	0	21.56	21.58	21.60
	36	19	21.54	21.56	21.48
	36	39	21.56	21.54	21.53
	75	0	21.54	21.57	21.53
16QAM	1	0	22.06	22.10	22.08
	1	37	21.94	22.00	21.96
	1	74	21.91	21.89	21.86
	36	0	20.56	20.58	20.54
	36	19	20.58	20.59	20.61
	36	39	20.53	20.56	20.54
	75	0	20.52	20.53	20.47
64QAM	1	0	20.91	20.94	20.93
	1	37	20.88	20.89	20.86
	1	74	20.72	20.71	20.68
	36	0	19.56	19.58	19.54
	36	19	19.58	19.61	19.60
	36	39	19.44	19.47	19.51
	75	0	19.47	19.48	19.43

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.76	22.84	22.51	24.59	33.01
16QAM	20.47	22.1	22.22	23.85	33.01
64QAM	19.43	20.94	21.18	22.69	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	22.56	22.88	22.54
	1	50	22.47	22.80	22.53
	1	99	22.32	22.42	22.34
	50	0	21.58	21.61	21.59
	50	25	21.53	21.56	21.55
	50	50	21.40	21.42	21.36
	100	0	21.46	21.50	21.48
16QAM	1	0	21.96	22.01	21.97
	1	50	21.80	21.79	21.77
	1	99	21.88	21.94	21.92
	50	0	21.61	20.63	21.58
	50	25	20.50	20.52	20.54
	50	50	20.42	20.44	20.48
	100	0	20.47	20.51	20.45
64QAM	1	0	20.89	20.96	20.94
	1	50	20.80	20.83	20.81
	1	99	20.64	20.68	20.66
	50	0	19.58	19.61	19.63
	50	25	19.58	19.54	19.53
	50	50	19.47	19.50	19.48
	100	0	19.51	19.53	19.47

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.36	22.88	23.11	24.63	33.01
16QAM	20.42	22.01	22.17	23.76	33.01
64QAM	19.47	20.96	21.22	22.71	33.01

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

7.1.4 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	21.88	21.92	21.89
	1	2	21.83	21.89	21.85
	1	5	21.87	21.88	21.83
	3	0	21.69	21.71	21.72
	3	1	21.66	21.67	21.63
	3	3	21.65	21.63	21.66
	6	0	20.31	20.29	20.28
16QAM	1	0	21.33	21.35	21.29
	1	2	21.28	21.33	21.35
	1	5	21.22	21.31	21.26
	3	0	20.77	20.81	20.79
	3	1	20.71	20.78	20.75
	3	3	20.71	20.73	20.67
	6	0	19.93	19.91	19.88
64QAM	1	0	20.11	20.13	20.08
	1	2	20.06	20.09	20.03
	1	5	20.07	20.11	20.09
	3	0	19.79	19.83	19.81
	3	1	19.86	19.85	19.82
	3	3	19.75	19.78	19.73
	6	0	18.66	18.72	18.69

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.28	21.92	21.83	23.47	30.00
16QAM	19.88	21.35	21.43	22.9	30.00
64QAM	18.66	20.13	20.21	21.68	30.00

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	22.09	22.12	22.11
	1	7	22.07	22.09	22.03
	1	14	22.01	22.03	21.98
	8	0	20.72	20.77	20.76
	8	3	20.75	20.73	20.71
	8	7	20.69	20.71	20.66
	15	0	20.61	20.63	20.59
16QAM	1	0	21.41	21.46	21.45
	1	7	21.43	21.44	21.38
	1	14	21.41	21.43	21.37
	8	0	19.91	19.89	19.88
	8	3	19.89	19.88	19.87
	8	7	19.77	19.81	19.78
	15	0	19.79	19.82	19.81
64QAM	1	0	20.22	20.24	20.23
	1	7	20.16	20.19	20.17
	1	14	20.09	20.13	20.11
	8	0	18.89	18.92	18.86
	8	3	18.89	18.87	18.85
	8	7	18.85	18.84	18.81
	15	0	18.71	18.73	18.69

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.59	22.12	22.14	23.67	30.00
16QAM	19.77	21.46	21.32	23.01	30.00
64QAM	18.69	20.24	20.24	21.79	30.00

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	22.01	22.05	21.98
	1	12	22.02	22.03	21.97
	1	24	21.93	21.99	21.96
	12	0	20.81	20.83	20.77
	12	6	20.75	20.76	20.71
	12	13	20.73	20.77	20.68
	25	0	20.58	20.62	20.60
16QAM	1	0	21.15	21.22	21.19
	1	12	21.18	21.19	21.15
	1	24	21.19	21.21	21.16
	12	0	19.58	19.61	19.55
	12	6	19.65	19.63	19.59
	12	13	19.53	19.59	19.55
	25	0	19.61	19.63	19.59
64QAM	1	0	19.98	20.01	19.94
	1	12	19.93	19.98	19.95
	1	24	19.89	19.93	19.90
	12	0	18.73	18.71	18.69
	12	6	18.66	18.67	18.64
	12	13	18.66	18.68	18.69
	25	0	18.63	18.66	18.65

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.58	22.05	22.13	23.6	30.00
16QAM	19.53	21.22	21.08	22.77	30.00
64QAM	18.63	20.01	20.18	21.56	30.00

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	21.77	21.81	21.79
	1	24	21.75	21.79	21.76
	1	49	21.71	21.77	21.79
	25	0	20.69	20.71	20.72
	25	12	20.66	20.68	20.63
	25	25	20.59	20.61	20.53
	50	0	20.55	20.58	20.54
16QAM	1	0	21.20	21.23	21.19
	1	24	21.18	21.19	21.20
	1	49	21.19	21.21	21.16
	25	0	19.83	19.89	19.87
	25	12	19.88	19.91	19.93
	25	25	19.88	19.85	19.82
	50	0	19.76	19.78	19.75
64QAM	1	0	20.15	20.16	20.11
	1	24	20.13	20.15	20.12
	1	49	20.09	20.11	20.06
	25	0	18.88	18.91	18.87
	25	12	18.82	18.86	18.83
	25	25	18.77	18.81	18.79
	50	0	18.67	18.71	18.66

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.53	21.81	22.08	23.36	30.00
16QAM	19.75	21.23	21.3	22.78	30.00
64QAM	18.66	20.16	20.21	21.71	30.00

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	22.23	22.26	22.25
	1	37	22.18	22.21	22.20
	1	74	22.17	22.20	22.19
	36	0	20.83	20.88	20.87
	36	19	20.84	20.89	20.88
	36	39	20.79	20.83	20.81
	75	0	20.75	20.77	20.76
16QAM	1	0	21.41	21.43	21.39
	1	37	21.39	21.42	21.40
	1	74	21.36	21.39	21.38
	36	0	19.88	19.92	19.89
	36	19	19.83	19.88	19.85
	36	39	19.80	19.83	19.79
	75	0	19.69	19.71	19.68
64QAM	1	0	20.23	20.25	20.24
	1	37	20.19	20.22	20.16
	1	74	20.16	20.21	20.18
	36	0	18.77	18.81	18.79
	36	19	18.75	18.77	18.76
	36	39	18.71	18.73	18.67
	75	0	18.66	18.69	18.63

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.75	22.26	22.3	23.81	30.00
16QAM	19.68	21.43	21.23	22.98	30.00
64QAM	18.63	20.25	20.18	21.8	30.00

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	22.33	22.37	22.35
	1	50	22.22	22.24	22.21
	1	99	22.19	22.22	22.23
	50	0	20.88	20.89	20.82
	50	25	20.77	20.81	20.79
	50	50	20.73	20.77	20.76
	100	0	20.63	20.66	20.65
16QAM	1	0	21.48	21.52	21.51
	1	50	21.45	21.48	21.46
	1	99	21.38	21.41	21.39
	50	0	20.29	20.27	20.25
	50	25	20.20	20.22	20.19
	50	50	20.21	20.18	20.17
	100	0	20.09	20.11	20.15
64QAM	1	0	20.21	20.23	20.19
	1	50	20.18	20.21	20.17
	1	99	20.16	20.18	20.21
	50	0	19.05	19.03	19.02
	50	25	19.09	19.11	19.08
	50	50	19.06	19.09	19.05
	100	0	19.09	19.12	19.11

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.63	22.37	22.18	23.92	30.00
16QAM	20.09	21.52	21.64	23.07	30.00
64QAM	19.02	20.23	20.57	21.78	30.00

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

7.1.5 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	23.03	23.07	23.01
	1	2	23.06	23.05	23.02
	1	5	23.03	23.06	23.05
	3	0	22.91	22.98	22.96
	3	1	22.97	22.95	22.93
	3	3	22.95	22.97	22.93
	6	0	22.52	22.54	22.55
16QAM	1	0	22.23	22.28	22.26
	1	2	22.24	22.26	22.25
	1	5	22.23	22.27	22.21
	3	0	22.06	22.11	22.09
	3	1	22.05	22.09	22.12
	3	3	22.01	22.04	22.03
	6	0	21.73	21.71	21.67
64QAM	1	0	21.29	21.31	21.27
	1	2	21.25	21.26	21.23
	1	5	21.26	21.29	21.27
	3	0	21.25	21.26	21.23
	3	1	21.22	21.25	21.26
	3	3	21.21	21.23	21.18
	6	0	20.48	20.51	20.52

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.52	23.07	21.71	22.26	38.45
16QAM	21.67	22.28	20.86	21.47	38.45
64QAM	20.48	21.31	19.67	20.5	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	23.05	23.07	23.03
	1	7	23.02	23.03	22.98
	1	14	23.01	23.04	22.97
	8	0	22.11	22.15	22.09
	8	3	22.22	22.21	22.18
	8	7	22.15	22.18	22.19
	15	0	21.96	22.02	22.03
16QAM	1	0	22.32	22.35	22.33
	1	7	22.36	22.38	22.31
	1	14	22.28	22.31	22.29
	8	0	21.11	21.13	21.09
	8	3	21.15	21.11	21.09
	8	7	21.08	21.09	21.07
	15	0	20.88	20.89	20.82
64QAM	1	0	21.26	21.29	21.22
	1	7	21.25	21.27	21.26
	1	14	21.22	21.25	21.19
	8	0	20.18	20.21	20.22
	8	3	20.16	20.18	20.19
	8	7	20.15	20.16	20.11
	15	0	19.96	20.01	19.93

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.96	23.07	21.15	22.26	38.45
16QAM	20.82	22.38	20.01	21.57	38.45
64QAM	19.93	21.29	19.12	20.48	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	23.01	23.03	22.99
	1	12	23.03	23.05	23.04
	1	24	22.98	23.01	22.97
	12	0	22.33	22.39	22.36
	12	6	22.39	22.42	22.43
	12	13	22.36	22.33	22.29
	25	0	22.01	22.04	21.97
16QAM	1	0	22.38	22.41	22.37
	1	12	22.36	22.38	22.39
	1	24	22.35	22.36	22.33
	12	0	21.15	21.12	21.11
	12	6	21.18	21.22	21.26
	12	13	21.19	21.18	21.15
	25	0	20.87	20.88	20.91
64QAM	1	0	21.29	21.31	21.27
	1	12	21.25	21.28	21.26
	1	24	21.28	21.29	21.26
	12	0	19.97	20.01	19.99
	12	6	20.03	20.06	20.01
	12	13	19.98	20.04	20.02
	25	0	19.93	19.96	19.97

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.97	23.05	21.16	22.24	38.45
16QAM	20.87	22.41	20.06	21.6	38.45
64QAM	19.93	21.31	19.12	20.5	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	23.07	23.09	23.08
	1	24	23.03	23.06	23.05
	1	49	23.06	23.07	23.04
	25	0	22.34	22.39	22.36
	25	12	22.39	22.41	22.37
	25	25	22.36	22.38	22.35
	50	0	22.01	22.03	21.98
16QAM	1	0	22.23	22.26	22.25
	1	24	22.22	22.24	22.21
	1	49	22.18	22.22	22.19
	25	0	21.21	21.23	21.20
	25	12	21.24	21.25	21.22
	25	25	21.29	21.31	21.33
	50	0	20.96	20.94	20.93
64QAM	1	0	21.25	21.26	21.22
	1	24	21.23	21.25	21.23
	1	49	21.19	21.22	21.20
	25	0	20.28	20.31	20.29
	25	12	20.26	20.28	20.25
	25	25	20.22	20.24	20.23
	50	0	20.01	20.03	19.97

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.98	23.09	21.17	22.28	38.45
16QAM	20.93	22.26	20.12	21.45	38.45
64QAM	19.97	21.26	19.16	20.45	38.45

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

7.1.6 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	22.28	22.31	22.26
	1	12	22.26	22.29	22.25
	1	24	22.23	22.26	22.23
	12	0	22.25	21.26	22.21
	12	6	21.21	21.25	21.26
	12	13	21.20	21.21	21.18
	25	0	21.25	21.24	21.20
16QAM	1	0	21.58	21.62	21.59
	1	12	21.51	21.54	21.52
	1	24	21.48	21.49	21.45
	12	0	20.36	20.38	20.37
	12	6	20.31	20.34	20.33
	12	13	20.28	20.29	20.25
	25	0	20.28	20.31	20.29
64QAM	1	0	20.52	20.55	20.56
	1	12	20.48	20.52	20.46
	1	24	20.44	20.48	20.51
	12	0	19.37	19.36	19.33
	12	6	19.28	19.31	19.29
	12	13	19.26	19.28	19.23
	25	0	19.41	19.44	19.45

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.18	22.31	22.23	23.36	33.01
16QAM	20.25	21.62	21.3	22.67	33.01
64QAM	19.23	20.56	20.28	21.61	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	22.38	22.42	22.37
	1	24	22.35	22.38	22.36
	1	49	22.28	22.33	22.34
	25	0	21.28	21.29	21.31
	25	12	21.26	21.25	21.23
	25	25	21.24	21.22	21.19
	50	0	21.28	21.31	21.27
16QAM	1	0	21.41	21.47	21.45
	1	24	21.41	21.43	21.39
	1	49	21.37	21.38	21.36
	25	0	20.33	20.36	20.37
	25	12	20.35	20.33	20.36
	25	25	20.28	20.29	20.25
	50	0	20.29	20.31	20.28
64QAM	1	0	20.62	20.66	20.63
	1	24	20.49	20.53	20.51
	1	49	20.39	20.41	20.38
	25	0	19.31	19.29	19.26
	25	12	19.20	19.22	19.18
	25	25	19.18	19.21	19.15
	50	0	19.31	19.35	19.33

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.19	22.42	22.24	23.47	33.01
16QAM	20.25	21.47	21.3	22.52	33.01
64QAM	19.15	20.66	20.2	21.71	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	22.39	22.41	22.37
	1	37	22.36	22.39	22.32
	1	74	22.35	22.37	22.34
	36	0	21.28	21.31	21.29
	36	19	21.25	21.29	21.26
	36	39	21.29	21.27	21.22
	75	0	21.27	21.29	21.26
16QAM	1	0	21.58	21.61	21.55
	1	37	21.60	21.58	21.59
	1	74	21.37	21.41	21.39
	36	0	20.29	20.31	20.25
	36	19	20.26	20.29	20.30
	36	39	20.22	20.23	20.18
	75	0	20.28	20.33	20.29
64QAM	1	0	20.45	20.52	20.49
	1	37	20.46	20.48	20.47
	1	74	20.38	20.41	20.36
	36	0	19.58	19.31	19.35
	36	19	19.29	19.28	19.26
	36	39	19.22	19.26	19.28
	75	0	19.29	19.31	19.27

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.22	22.41	22.27	23.46	33.01
16QAM	20.18	21.61	21.23	22.66	33.01
64QAM	19.22	20.52	20.27	21.57	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	22.69	22.73	22.66
	1	50	22.66	22.71	22.63
	1	99	22.49	22.55	22.52
	50	0	21.85	21.88	21.86
	50	25	21.66	21.69	21.63
	50	50	21.19	21.22	21.23
	100	0	21.25	21.26	21.22
16QAM	1	0	21.87	21.88	21.85
	1	50	21.75	21.77	21.73
	1	99	21.65	21.66	21.61
	50	0	20.90	20.93	20.88
	50	25	20.73	20.77	20.78
	50	50	20.35	20.33	20.31
	100	0	20.33	20.35	20.19
64QAM	1	0	20.63	20.65	20.61
	1	50	20.50	20.53	20.47
	1	99	20.44	20.46	20.43
	50	0	19.66	19.71	19.69
	50	25	19.55	19.58	19.57
	50	50	19.18	19.22	19.21
	100	0	19.28	19.26	19.21

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.19	22.73	22.24	23.78	33.01
16QAM	20.19	21.88	21.24	22.93	33.01
64QAM	19.18	20.65	20.23	21.7	33.01

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

7.1.7 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	22.88	22.91	22.87
	1	2	22.86	22.88	22.83
	1	5	22.77	22.81	22.78
	3	0	22.76	22.78	22.79
	3	1	22.71	22.75	22.73
	3	3	22.61	22.69	22.65
	6	0	21.87	21.88	21.83
16QAM	1	0	21.97	22.01	21.93
	1	2	21.93	21.98	21.99
	1	5	21.94	21.93	21.88
	3	0	21.85	21.87	21.86
	3	1	21.78	21.83	21.81
	3	3	21.80	21.81	21.76
	6	0	20.97	21.01	20.99
64QAM	1	0	21.15	21.17	21.11
	1	2	21.08	21.13	21.09
	1	5	21.01	21.08	21.05
	3	0	21.03	21.05	20.98
	3	1	21.05	21.03	20.99
	3	3	20.96	20.98	20.94
	6	0	19.84	19.83	19.82

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.83	22.91	21.68	22.76	34.77
16QAM	20.97	22.01	20.82	21.86	34.77
64QAM	19.82	21.17	19.67	21.02	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	22.87	22.90	22.86
	1	7	22.85	22.87	22.83
	1	14	22.86	22.85	22.82
	8	0	21.83	21.86	21.85
	8	3	21.82	21.83	21.79
	8	7	21.74	21.78	21.74
	15	0	21.81	21.83	21.79
16QAM	1	0	22.29	22.34	22.31
	1	7	22.28	22.27	22.26
	1	14	22.19	22.22	22.17
	8	0	20.69	20.71	20.67
	8	3	20.61	20.65	20.63
	8	7	20.59	20.66	20.64
	15	0	20.73	20.76	20.77
64QAM	1	0	21.15	21.22	21.19
	1	7	21.11	21.17	21.15
	1	14	21.09	21.12	21.13
	8	0	19.93	19.97	19.95
	8	3	19.88	19.92	19.89
	8	7	19.84	19.91	19.88
	15	0	19.83	19.88	19.91

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.74	22.9	21.59	22.75	34.77
16QAM	20.59	22.34	20.44	22.19	34.77
64QAM	19.83	21.22	19.68	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	22.74	22.72	22.69
	1	12	22.66	22.69	22.67
	1	24	22.65	22.68	22.69
	12	0	21.87	21.83	21.82
	12	6	21.79	21.81	21.80
	12	13	21.76	21.77	21.72
	25	0	21.63	21.65	21.69
16QAM	1	0	21.97	21.98	22.01
	1	12	21.93	21.95	21.93
	1	24	21.88	21.91	21.94
	12	0	20.87	20.85	20.82
	12	6	20.77	20.81	20.79
	12	13	20.76	20.77	20.71
	25	0	20.83	20.82	20.78
64QAM	1	0	20.89	20.91	20.85
	1	12	20.87	20.89	20.88
	1	24	20.83	20.88	20.86
	12	0	19.88	19.91	19.89
	12	6	19.92	19.88	19.87
	12	13	19.81	19.87	19.88
	25	0	19.93	19.95	19.91

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.63	22.74	21.48	22.59	34.77
16QAM	20.71	22.01	20.56	21.86	34.77
64QAM	19.81	20.91	19.66	20.76	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	22.61	22.92	22.59
	1	24	22.63	22.89	22.60
	1	49	22.55	22.84	22.57
	25	0	21.63	21.67	21.65
	25	12	21.60	21.64	21.59
	25	25	21.62	21.63	21.64
	50	0	21.55	21.59	21.57
16QAM	1	0	21.76	21.78	21.73
	1	24	21.67	21.71	21.69
	1	49	21.63	21.66	21.67
	25	0	20.78	20.77	20.75
	25	12	20.76	20.73	20.71
	25	25	20.65	20.68	20.66
	50	0	20.64	20.69	20.68
64QAM	1	0	20.89	20.92	20.91
	1	24	20.87	20.88	20.82
	1	49	20.77	20.81	20.79
	25	0	20.09	20.11	20.12
	25	12	20.04	20.06	20.03
	25	25	19.98	20.01	20.02
	50	0	20.05	20.07	20.03

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.55	22.92	21.4	22.77	34.77
16QAM	20.64	21.78	20.49	21.63	34.77
64QAM	19.98	20.92	19.83	20.77	34.77

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

7.1.8 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	22.96	23.01	22.99
	1	12	22.97	22.98	22.93
	1	24	22.95	22.96	22.92
	12	0	22.89	22.91	22.87
	12	6	22.88	22.90	22.84
	12	13	22.89	22.88	22.91
	25	0	22.88	22.89	22.84
16QAM	1	0	22.37	22.38	22.35
	1	12	22.31	22.33	22.28
	1	24	22.25	22.28	22.29
	12	0	21.55	21.54	21.51
	12	6	21.53	21.55	21.50
	12	13	21.52	21.47	21.49
	25	0	21.55	21.57	21.56
64QAM	1	0	21.43	21.45	21.46
	1	12	21.38	21.43	21.41
	1	24	21.39	21.38	21.34
	12	0	20.43	20.47	20.46
	12	6	20.48	20.51	20.47
	12	13	20.42	20.44	20.39
	25	0	20.45	20.47	20.43

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.84	23.01	22.69	22.86	34.77
16QAM	21.47	22.38	21.32	22.23	34.77
64QAM	20.39	21.46	20.24	21.31	34.77

Note: EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)
ERP (dBm) = EIRP (dBm) - 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	23.02
	1	24	22.99
	1	49	22.95
	25	0	22.69
	25	12	22.57
	25	25	22.51
	50	0	22.64
16QAM	1	0	22.45
	1	24	22.43
	1	49	22.39
	25	0	21.43
	25	12	21.39
	25	25	21.33
	50	0	21.42
64QAM	1	0	21.74
	1	24	21.72
	1	49	21.68
	25	0	20.77
	25	12	20.74
	25	25	20.76
	50	0	20.81

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.51	23.02	22.36	22.87	34.77
16QAM	21.33	22.45	21.18	22.3	34.77
64QAM	20.74	21.74	20.59	21.59	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 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	22.89	22.84
	1	12	22.85	22.88	22.83
	1	24	22.81	22.86	22.79
	12	0	22.01	22.04	21.97
	12	6	21.94	22.03	22.05
	12	13	22.03	22.01	21.99
	25	0	22.01	22.04	21.97
16QAM	1	0	22.33	22.38	22.31
	1	12	22.29	22.33	22.30
	1	24	22.26	22.29	22.25
	12	0	20.88	20.92	20.87
	12	6	20.85	20.87	20.83
	12	13	20.84	20.88	20.91
	25	0	20.86	20.91	20.88
64QAM	1	0	21.09	21.12	21.11
	1	12	21.07	21.09	21.06
	1	24	21.05	21.07	21.08
	12	0	20.01	20.03	20.02
	12	6	19.98	20.02	20.03
	12	13	19.94	19.98	19.95
	25	0	19.97	20.01	19.98

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.94	22.89	21.79	22.74	34.77
16QAM	20.83	22.38	20.68	22.23	34.77
64QAM	19.94	21.12	19.79	20.97	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	22.88	22.92	22.91
	1	24	22.87	22.89	22.83
	1	49	22.82	22.85	22.86
	25	0	22.09	22.11	22.10
	25	12	22.06	22.09	22.02
	25	25	22.07	22.08	22.03
	50	0	22.05	22.07	22.04
16QAM	1	0	22.11	22.12	22.07
	1	24	22.09	22.13	22.11
	1	49	22.03	22.09	22.07
	25	0	21.02	21.04	20.98
	25	12	20.97	21.02	21.03
	25	25	21.04	21.03	20.99
	50	0	20.98	21.03	20.96
64QAM	1	0	21.19	21.22	21.23
	1	24	21.22	21.19	21.16
	1	49	21.15	21.16	21.11
	25	0	20.06	20.09	20.07
	25	12	20.08	20.11	20.02
	25	25	20.03	20.07	20.05
	50	0	20.01	20.03	19.97

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.02	22.92	21.87	22.77	34.77
16QAM	20.96	22.13	20.81	21.98	34.77
64QAM	19.97	21.23	19.82	21.08	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 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	22.32	22.37	22.35
	1	2	22.21	22.27	22.23
	1	5	22.21	22.19	22.14
	3	0	22.22	22.26	22.25
	3	1	22.29	22.31	22.27
	3	3	22.21	22.25	22.24
	6	0	21.21	21.26	21.23
16QAM	1	0	21.78	21.83	21.84
	1	2	21.74	21.72	21.68
	1	5	21.65	21.67	21.61
	3	0	21.23	21.28	21.26
	3	1	21.41	21.45	21.46
	3	3	21.31	21.36	21.34
	6	0	20.38	20.42	20.35
64QAM	1	0	20.65	20.69	20.68
	1	2	20.56	20.61	20.60
	1	5	20.51	20.56	20.48
	3	0	20.32	20.37	20.38
	3	1	20.38	20.42	20.35
	3	3	20.41	20.45	20.43
	6	0	19.23	19.28	19.26

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.21	22.37	22.96	24.12	33.01
16QAM	20.35	21.84	22.1	23.59	33.01
64QAM	19.23	20.69	20.98	22.44	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	22.49	22.53	22.51
	1	7	22.45	22.48	22.46
	1	14	22.28	22.32	22.31
	8	0	21.29	21.33	21.31
	8	3	21.25	21.27	21.18
	8	7	21.19	21.22	21.15
	15	0	21.21	21.23	21.16
16QAM	1	7	21.88	21.93	21.90
	1	7	21.75	21.79	21.77
	1	14	21.64	21.71	21.69
	8	0	20.30	20.33	20.26
	8	3	20.38	20.37	20.32
	8	7	20.26	20.32	20.27
	15	0	20.21	20.27	20.19
64QAM	1	0	20.75	20.77	20.71
	1	7	20.68	20.73	20.72
	1	14	20.65	20.71	20.69
	8	0	19.33	19.39	19.41
	8	3	19.38	19.36	19.34
	8	7	19.31	19.34	19.25
	15	0	19.21	19.25	19.18

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.15	22.53	22.9	24.28	33.01
16QAM	20.19	21.93	21.94	23.68	33.01
64QAM	19.18	20.77	20.93	22.52	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	22.48	22.53	22.51
	1	12	22.46	22.47	22.41
	1	24	22.36	22.38	22.32
	12	0	21.27	21.31	21.29
	12	6	21.33	21.39	21.38
	12	13	21.22	21.28	21.19
	25	0	21.14	21.21	21.23
16QAM	1	0	21.75	21.83	21.79
	1	12	21.67	21.72	21.69
	1	24	21.70	21.73	21.67
	12	0	20.23	20.26	20.27
	12	6	20.16	20.17	20.10
	12	13	20.13	20.21	20.19
	25	0	20.12	20.18	20.15
64QAM	1	0	20.68	20.73	20.66
	1	12	20.60	20.69	20.65
	1	24	20.63	20.67	20.61
	12	0	19.33	19.38	19.36
	12	6	19.26	19.31	19.22
	12	13	19.17	19.25	19.21
	25	0	19.14	19.22	19.19

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.14	22.53	22.89	24.28	33.01
16QAM	20.1	21.83	21.85	23.58	33.01
64QAM	19.14	20.73	20.89	22.48	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	22.38	22.41	22.37
	1	24	22.35	22.38	22.33
	1	49	22.28	22.31	22.24
	25	0	21.25	21.28	21.29
	25	12	21.25	21.27	21.21
	25	25	21.21	21.24	21.22
	50	0	21.26	21.29	21.27
16QAM	1	0	21.79	21.84	21.81
	1	24	21.78	21.81	21.76
	1	49	21.75	21.78	21.72
	25	0	20.28	20.37	20.32
	25	12	20.29	20.35	20.33
	25	25	20.32	20.31	20.24
	50	0	20.26	20.33	20.35
64QAM	1	0	20.59	20.65	20.61
	1	24	20.56	20.61	20.60
	1	49	20.56	20.58	20.53
	25	0	19.32	19.38	19.34
	25	12	19.35	19.37	19.41
	25	25	19.33	19.31	19.26
	50	0	19.24	19.28	19.27

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.21	22.41	22.96	24.16	33.01
16QAM	20.24	21.84	21.99	23.59	33.01
64QAM	19.24	20.65	20.99	22.4	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	22.16	22.21	22.19
	1	37	22.15	22.18	22.14
	1	74	22.13	22.16	22.15
	36	0	22.35	21.38	22.37
	36	19	22.35	21.33	22.32
	36	39	21.26	21.28	21.22
	75	0	21.29	21.32	21.31
16QAM	1	0	21.73	21.75	21.69
	1	37	21.68	21.71	21.72
	1	74	21.65	21.68	21.66
	36	0	20.38	20.37	20.32
	36	19	20.30	20.33	20.29
	36	39	20.27	20.28	20.24
	75	0	20.26	20.32	20.31
64QAM	1	0	20.69	20.73	20.67
	1	37	20.65	20.66	20.59
	1	74	20.51	20.55	20.54
	36	0	19.28	19.33	19.29
	36	19	19.25	19.31	19.32
	36	39	19.24	19.26	19.21
	75	0	19.19	19.25	19.21

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.22	22.37	22.97	24.12	33.01
16QAM	20.24	21.75	21.99	23.5	33.01
64QAM	19.19	20.73	20.94	22.48	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	22.49	22.55	22.51
	1	50	22.36	22.38	22.33
	1	99	22.11	22.15	22.16
	50	0	21.40	21.43	21.38
	50	25	21.34	21.36	21.33
	50	50	21.28	21.31	21.26
	100	0	21.32	21.37	21.35
16QAM	1	0	21.69	21.72	21.66
	1	50	21.65	21.68	21.71
	1	99	21.65	21.66	21.67
	50	0	20.43	20.46	20.49
	50	25	20.33	20.31	20.35
	50	50	20.27	20.28	20.22
	100	0	20.32	20.35	20.33
64QAM	1	0	20.51	20.58	20.55
	1	50	20.53	20.56	20.57
	1	99	20.51	20.53	20.47
	50	0	19.38	19.43	19.40
	50	25	19.35	19.39	19.41
	50	50	19.36	19.35	19.32
	100	0	19.28	19.33	19.30

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.26	22.55	23.01	24.3	33.01
16QAM	20.22	21.72	21.97	23.47	33.01
64QAM	19.28	20.58	21.03	22.33	33.01

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

7.1.11 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	23.20	23.21	23.17
	1	2	22.81	22.83	22.80
	1	5	22.64	22.70	22.65
	3	0	22.02	22.09	22.11
	3	1	21.90	21.84	21.82
	3	3	21.70	21.71	21.71
	6	0	21.96	22.02	21.98
16QAM	1	0	22.03	22.10	22.00
	1	2	21.80	21.88	21.86
	1	5	21.65	21.73	21.70
	3	0	21.10	21.16	21.11
	3	1	20.84	20.83	20.82
	3	3	20.80	20.80	20.76
	6	0	20.96	21.04	21.00
64QAM	1	0	20.99	21.06	21.02
	1	2	21.01	20.93	20.86
	1	5	20.65	20.65	20.69
	3	0	20.14	20.18	20.18
	3	1	19.95	19.98	19.93
	3	3	19.82	19.90	19.80
	6	0	19.86	20.01	19.92

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.7	23.21	20.89	22.4	50.00
16QAM	20.76	22.1	19.95	21.29	50.00
64QAM	19.8	21.06	18.99	20.25	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	23.18	23.21	23.17
	1	7	22.88	22.90	22.86
	1	14	22.70	22.74	22.70
	8	0	22.10	22.16	22.15
	8	3	21.91	21.93	21.90
	8	7	21.75	21.80	21.80
	15	0	22.03	22.11	22.07
16QAM	1	0	22.10	22.15	22.06
	1	7	21.87	21.96	21.93
	1	14	21.72	21.80	21.78
	8	0	21.15	21.24	21.20
	8	3	20.92	20.92	20.92
	8	7	20.84	20.90	20.80
	15	0	21.01	21.11	21.06
64QAM	1	0	21.10	21.15	21.06
	1	7	21.12	21.00	20.93
	1	14	20.70	20.73	20.70
	8	0	20.20	20.26	20.20
	8	3	20.00	20.00	19.97
	8	7	19.90	19.95	19.88
	15	0	19.93	20.05	19.99

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.75	23.21	20.94	22.4	50.00
16QAM	20.8	22.15	19.99	21.34	50.00
64QAM	19.88	21.15	19.07	20.34	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	23.19	23.21	23.16
	1	12	22.91	22.94	22.90
	1	24	22.74	22.80	22.75
	12	0	22.16	22.23	22.21
	12	6	21.98	22.00	21.96
	12	13	21.80	21.88	21.84
	25	0	22.11	22.17	22.14
16QAM	1	0	22.16	22.20	22.14
	1	12	21.94	22.01	22.00
	1	24	21.80	21.87	21.85
	12	0	21.21	21.30	21.26
	12	6	21.00	21.02	20.96
	12	13	20.90	20.93	20.87
	25	0	21.10	21.18	21.11
64QAM	1	0	21.15	21.21	21.15
	1	12	21.12	21.05	21.00
	1	24	20.72	20.80	20.77
	12	0	20.22	20.31	20.26
	12	6	20.01	20.04	20.00
	12	13	19.96	20.00	19.94
	25	0	19.99	20.10	20.02

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.8	23.21	20.99	22.4	50.00
16QAM	20.87	22.2	20.06	21.39	50.00
64QAM	19.94	21.21	19.13	20.4	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	23.22
	1	24	23.00
	1	49	22.88
	25	0	22.30
	25	12	22.05
	25	25	21.94
	50	0	22.26
16QAM	1	0	22.26
	1	24	22.07
	1	49	21.96
	25	0	21.37
	25	12	21.10
	25	25	21.00
	50	0	21.24
64QAM	1	0	22.30
	1	24	22.12
	1	49	20.88
	25	0	20.38
	25	12	20.09
	25	25	20.04
	50	0	20.19

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.94	23.22	21.13	22.41	50.00
16QAM	21	22.26	20.19	21.45	50.00
64QAM	20.04	22.3	19.23	21.49	50.00

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

7.1.12 LTE Band 26 (824 MHz ~ 849 MHz)

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

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	23.11	23.15	23.13
	1	2	22.65	22.74	22.82
	1	5	22.80	22.75	22.74
	3	0	21.80	22.00	22.33
	3	1	21.78	21.93	22.10
	3	3	21.86	22.15	22.05
	6	0	21.85	21.90	21.80
16QAM	1	0	21.84	21.75	21.86
	1	2	21.62	21.78	21.82
	1	5	21.93	21.70	21.74
	3	0	20.86	21.19	21.40
	3	1	20.90	21.00	21.29
	3	3	20.80	21.36	20.89
	6	0	20.78	20.90	20.80
64QAM	1	0	20.74	20.85	20.80
	1	2	20.80	20.64	21.00
	1	5	20.75	20.65	20.65
	3	0	19.77	20.10	20.41
	3	1	19.90	19.84	20.45
	3	3	19.70	20.30	19.88
	6	0	19.83	19.93	19.76

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.78	23.15	20.97	22.34	38.45
16QAM	20.78	21.93	19.97	21.12	38.45
64QAM	19.7	21	18.89	20.19	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

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	23.09	23.11	23.07
	1	7	22.70	22.80	22.88
	1	14	22.86	22.83	22.80
	8	0	21.84	22.05	22.41
	8	3	21.85	22.00	22.19
	8	7	21.93	22.23	22.10
	15	0	21.94	21.97	21.86
16QAM	1	0	21.90	21.82	21.93
	1	7	21.70	21.86	21.90
	1	14	22.00	21.77	21.81
	8	0	20.91	21.26	21.44
	8	3	20.98	21.06	21.35
	8	7	20.86	21.45	20.96
	15	0	20.84	20.93	20.90
64QAM	1	0	20.81	20.91	20.85
	1	7	20.86	20.70	21.05
	1	14	20.81	20.72	20.74
	8	0	19.82	20.15	20.50
	8	3	19.96	19.92	20.52
	8	7	19.77	20.33	19.93
	15	0	19.89	20.01	19.80

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.84	23.11	21.03	22.3	38.45
16QAM	20.84	22	20.03	21.19	38.45
64QAM	19.77	21.05	18.96	20.24	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

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	23.12	23.17	23.13
	1	12	22.77	22.88	22.93
	1	24	22.95	22.94	22.84
	12	0	21.96	22.19	22.46
	12	6	21.91	22.08	22.25
	12	13	22.00	22.35	22.14
	25	0	22.04	22.07	21.90
16QAM	1	0	22.02	21.91	22.00
	1	12	21.78	21.93	21.97
	1	24	22.07	21.84	21.85
	12	0	20.98	21.35	21.50
	12	6	21.06	21.15	21.39
	12	13	20.93	21.55	21.00
	25	0	20.95	21.00	20.95
64QAM	1	0	20.90	21.00	20.91
	1	12	20.95	20.78	21.12
	1	24	20.88	20.80	20.82
	12	0	19.91	20.19	20.55
	12	6	20.04	19.96	20.56
	12	13	19.83	20.36	20.00
	25	0	19.95	20.07	19.84

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.9	23.17	21.09	22.36	38.45
16QAM	20.93	22.07	20.12	21.26	38.45
64QAM	19.83	21.12	19.02	20.31	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: 10 MHz

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	23.11	23.15	23.13
	1	24	22.87	23.00	22.95
	1	49	23.03	23.02	22.88
	25	0	22.05	22.28	22.50
	25	12	22.00	22.14	22.31
	25	25	22.07	22.42	22.20
	50	0	22.12	22.15	21.95
16QAM	1	0	22.11	22.00	22.04
	1	24	21.88	22.01	22.03
	1	49	22.19	21.91	21.90
	25	0	21.05	21.41	21.54
	25	12	21.16	21.19	21.44
	25	25	21.00	21.63	21.08
	50	0	21.01	21.05	21.05
64QAM	1	0	21.00	21.15	21.00
	1	24	21.02	20.85	21.20
	1	49	20.99	20.88	20.88
	25	0	20.00	20.26	20.59
	25	12	20.11	20.02	20.61
	25	25	19.92	20.48	20.07
	50	0	20.04	20.18	19.90

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.95	23.15	21.14	22.34	38.45
16QAM	21	22.19	20.19	21.38	38.45
64QAM	19.9	21.2	19.09	20.39	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

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	23.13	23.16	23.14
	1	37	22.99	23.05	23.02
	1	74	23.08	23.13	22.94
	36	0	22.14	22.34	22.59
	36	19	22.10	22.21	22.40
	36	39	22.12	22.54	22.26
	75	0	22.20	22.26	22.03
16QAM	1	0	22.21	22.05	22.12
	1	37	21.94	22.10	22.14
	1	74	22.24	22.00	21.95
	36	0	21.18	21.52	21.59
	36	19	21.29	21.25	21.51
	36	39	21.05	21.71	21.16
	75	0	21.08	21.11	21.16
64QAM	1	0	21.10	21.20	21.12
	1	37	21.13	20.91	21.31
	1	74	21.08	20.92	20.94
	36	0	20.08	20.35	20.68
	36	19	20.19	20.12	20.70
	36	39	19.99	20.56	20.18
	75	0	20.09	20.25	19.99

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.03	23.16	21.22	22.35	38.45
16QAM	21.05	22.24	20.24	21.43	38.45
64QAM	19.99	21.31	19.18	20.5	38.45

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

7.1.13 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	22.03	22.04	22.00
	1	2	21.85	21.86	21.77
	1	5	21.70	21.79	21.70
	3	0	20.91	21.00	20.86
	3	1	20.85	20.94	20.82
	3	3	20.67	20.80	20.68
	6	0	20.80	20.91	20.80
16QAM	1	0	20.90	20.93	20.74
	1	2	20.89	20.96	20.70
	1	5	20.80	20.89	20.65
	3	0	19.87	19.94	19.82
	3	1	19.90	19.90	19.80
	3	3	19.83	19.84	19.79
	6	0	19.75	19.85	19.83
64QAM	1	0	19.91	19.92	19.90
	1	2	19.80	19.90	19.89
	1	5	19.75	19.78	19.71
	3	0	18.92	18.96	18.90
	3	1	18.80	18.90	18.82
	3	3	18.77	18.80	18.77
	6	0	18.72	18.76	18.74

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.67	22.04	22.22	23.59	30.00
16QAM	19.75	20.96	21.3	22.51	30.00
64QAM	18.72	19.92	20.27	21.47	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	22.09	22.11	22.02
	1	7	21.88	21.93	21.89
	1	14	21.79	21.85	21.81
	8	0	21.00	21.08	21.01
	8	3	20.91	21.00	20.95
	8	7	20.75	20.87	20.79
	15	0	20.89	20.96	20.92
16QAM	1	0	20.96	20.99	20.92
	1	7	20.94	21.00	20.80
	1	14	20.86	20.93	20.78
	8	0	19.96	20.05	19.99
	8	3	19.97	20.00	19.88
	8	7	19.88	19.94	19.85
	15	0	19.80	20.05	19.92
64QAM	1	0	20.00	20.10	20.05
	1	7	19.88	20.06	20.04
	1	14	19.80	19.86	19.81
	8	0	19.00	19.08	19.00
	8	3	18.86	19.04	18.89
	8	7	18.84	19.00	18.84
	15	0	18.82	18.94	18.83

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.75	22.11	22.3	23.66	30.00
16QAM	19.8	21	21.35	22.55	30.00
64QAM	18.82	20.1	20.37	21.65	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	22.17	22.20	22.19
	1	12	21.95	22.00	21.90
	1	24	21.86	21.91	21.86
	12	0	21.11	21.15	21.04
	12	6	21.00	21.06	20.96
	12	13	20.83	20.96	20.90
	25	0	21.00	21.05	20.94
16QAM	1	0	21.02	21.10	21.00
	1	12	21.00	21.06	20.85
	1	24	20.90	20.95	20.86
	12	0	20.04	20.10	20.04
	12	6	20.04	20.05	19.95
	12	13	19.95	20.03	19.90
	25	0	19.98	20.13	20.00
64QAM	1	0	20.10	20.19	20.14
	1	12	19.96	20.14	20.10
	1	24	19.82	19.90	19.85
	12	0	19.04	19.16	19.02
	12	6	19.00	19.10	19.00
	12	13	18.95	19.11	18.96
	25	0	18.93	19.10	18.90

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.83	22.2	22.38	23.75	30.00
16QAM	19.9	21.1	21.45	22.65	30.00
64QAM	18.9	20.19	20.45	21.74	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	22.21	22.23	22.22
	1	24	22.00	22.04	21.98
	1	49	21.91	21.96	21.90
	25	0	21.15	21.20	21.11
	25	12	21.04	21.10	21.00
	25	25	20.90	21.03	20.92
	50	0	21.06	21.11	21.03
16QAM	1	0	21.10	21.15	21.05
	1	24	21.04	21.10	21.00
	1	49	20.93	21.00	20.89
	25	0	20.10	20.14	20.11
	25	12	20.08	20.11	20.01
	25	25	20.00	20.06	19.97
	50	0	20.07	20.14	20.04
64QAM	1	0	20.15	20.25	20.20
	1	24	20.01	20.20	20.15
	1	49	19.90	19.94	19.89
	25	0	19.12	19.20	19.08
	25	12	19.06	19.15	19.02
	25	25	19.02	19.16	19.00
	50	0	18.99	19.17	18.98

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.9	22.23	22.45	23.78	30.00
16QAM	19.97	21.15	21.52	22.7	30.00
64QAM	18.98	20.25	20.53	21.8	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	22.23	22.28	22.26
	1	37	22.06	22.10	22.00
	1	74	21.96	21.98	21.95
	36	0	21.20	21.26	21.21
	36	19	21.10	21.14	21.09
	36	39	20.94	21.00	20.95
	75	0	21.15	21.22	21.11
16QAM	1	0	21.18	21.21	21.20
	1	37	21.10	21.15	21.09
	1	74	21.00	21.03	20.93
	36	0	20.14	20.15	20.10
	36	19	20.14	20.16	20.08
	36	39	20.06	20.10	20.03
	75	0	20.13	20.17	20.10
64QAM	1	0	20.24	20.30	20.29
	1	37	20.10	20.23	20.16
	1	74	19.92	20.00	19.95
	36	0	19.20	19.24	19.14
	36	19	19.11	19.23	19.06
	36	39	19.06	19.20	19.05
	75	0	19.00	19.18	19.02

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.94	22.28	22.49	23.83	30.00
16QAM	20.03	21.21	21.58	22.76	30.00
64QAM	19	20.3	20.55	21.85	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	22.33	22.38	22.36
	1	50	22.10	22.12	22.09
	1	99	22.00	22.02	21.96
	50	0	21.23	21.30	21.26
	50	25	21.15	21.22	21.18
	50	50	21.00	21.09	21.05
	100	0	21.24	21.28	21.20
16QAM	1	0	21.23	21.31	21.26
	1	50	21.15	21.20	21.13
	1	99	21.04	21.08	21.00
	50	0	20.21	20.29	20.25
	50	25	20.20	20.21	20.13
	50	50	20.10	20.15	20.10
	100	0	20.17	20.22	20.16
64QAM	1	0	20.30	20.35	20.32
	1	50	20.15	20.28	20.21
	1	99	20.00	20.05	19.98
	50	0	19.26	19.30	19.20
	50	25	19.20	19.28	19.15
	50	50	19.16	19.26	19.11
	100	0	19.13	19.25	19.10

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21	22.38	22.55	23.93	30.00
16QAM	20.1	21.31	21.65	22.86	30.00
64QAM	19.1	20.35	20.65	21.9	30.00

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

7.2 Radiated Spurious Emissions below 1GHz

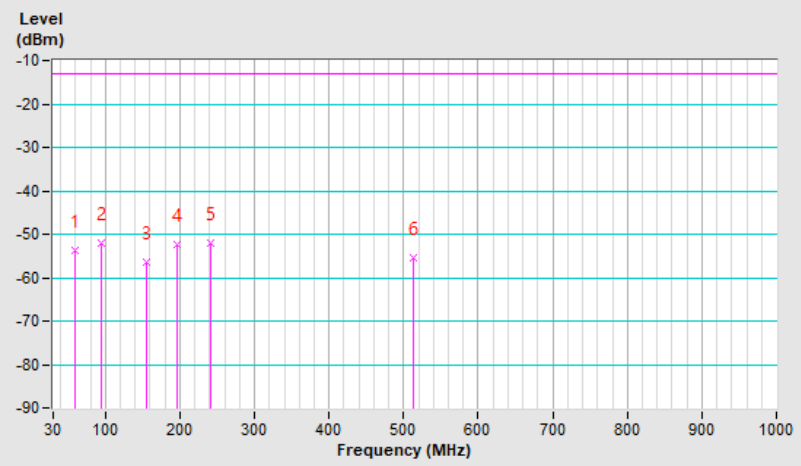
7.2.1 GSM 850

RF Mode	GSM 850	**Channel**	CH 128：824.6 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23 °C, 68 % RH
Tested By	Karl Lee		

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	59.24	-53.74	-13.00	-40.74	1.53 H	299	57.39	-111.13
2	95.12	-52.16	-13.00	-39.16	1.88 H	161	63.70	-115.86
3	154.23	-56.54	-13.00	-43.54	1.04 H	196	53.53	-110.07
4	196.84	-52.23	-13.00	-39.23	1.47 H	153	61.67	-113.90
5	240.49	-52.17	-13.00	-39.17	1.04 H	226	59.79	-111.96
6	512.12	-55.37	-13.00	-42.37	1.60 H	147	49.56	-104.93

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) + 20log(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.

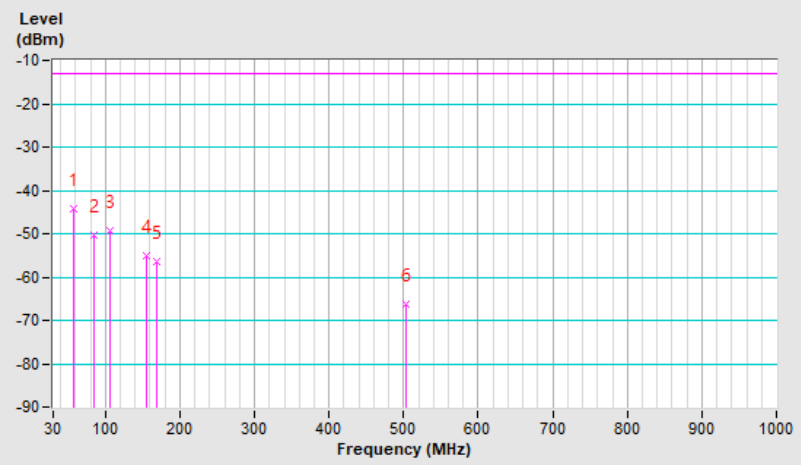


RF Mode	GSM 850	Channel	CH 128：824.6 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 68 % RH
Tested By	Karl Lee		

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	57.14	-44.28	-13.00	-31.28	1.09 V	247	66.80	-111.08
2	84.26	-50.22	-13.00	-37.22	1.50 V	43	65.95	-116.17
3	106.63	-49.36	-13.00	-36.36	1.63 V	182	64.62	-113.98
4	155.27	-54.93	-13.00	-41.93	2.08 V	161	55.23	-110.16
5	169.68	-56.42	-13.00	-43.42	1.12 V	140	54.23	-110.65
6	504.12	-66.32	-13.00	-53.32	1.14 V	183	38.76	-105.08

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) + 20log(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.



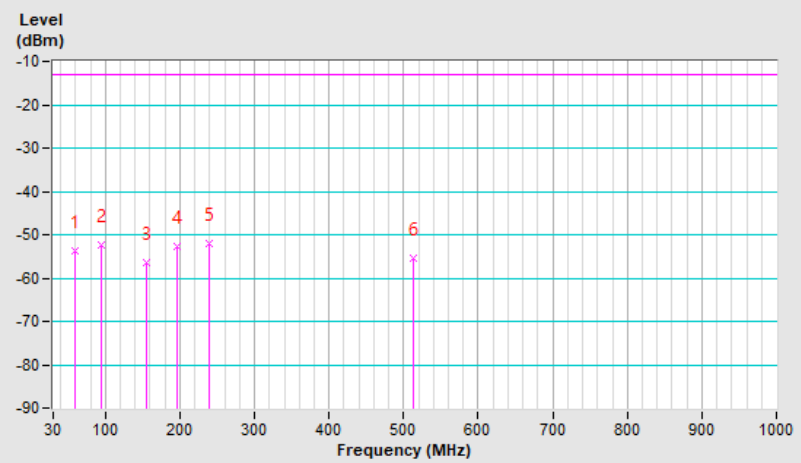
7.2.2 EDGE 850

RF Mode	EDGE 850	Channel	CH 128：824.6 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	59.31	-53.64	-13.00	-40.64	1.58 H	135	57.51	-111.15
2	95.12	-52.28	-13.00	-39.28	1.50 H	237	63.58	-115.86
3	154.31	-56.49	-13.00	-43.49	2.70 H	155	53.58	-110.07
4	196.91	-52.60	-13.00	-39.60	1.88 H	209	61.30	-113.90
5	240.23	-52.08	-13.00	-39.08	1.02 H	38	59.89	-111.97
6	512.24	-55.49	-13.00	-42.49	1.86 H	191	49.44	-104.93

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) + 20log(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.

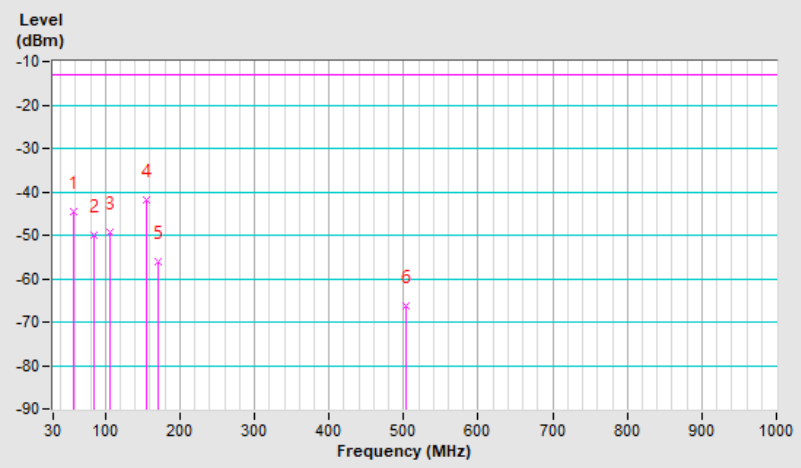


RF Mode	EDGE 850	Channel	CH 128：824.6 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 68 % RH
Tested By	Karl Lee		

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	57.26	-44.59	-13.00	-31.59	1.06 V	324	66.49	-111.08
2	84.33	-50.12	-13.00	-37.12	1.91 V	50	66.05	-116.17
3	106.63	-49.19	-13.00	-36.19	1.17 V	242	64.79	-113.98
4	155.27	-41.89	-13.00	-28.89	1.48 V	334	68.27	-110.16
5	170.04	-56.22	-13.00	-43.22	1.52 V	199	54.42	-110.64
6	504.03	-66.17	-13.00	-53.17	1.96 V	163	38.92	-105.09

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) + 20log(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.



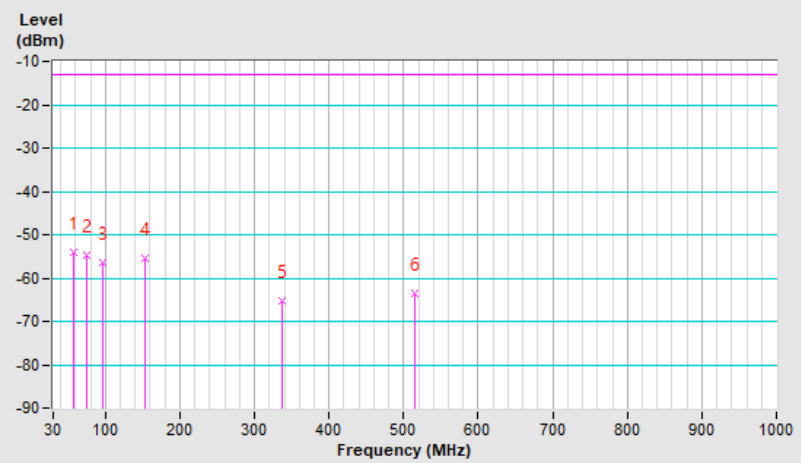
7.2.3 GSM 1900

RF Mode	GSM 1900	Channel	CH 810：1910 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 68 % RH
Tested By	Karl 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	57.16	-53.93	-13.00	-40.93	1.50 H	235	55.00	-108.93
2	75.56	-54.89	-13.00	-41.89	1.72 H	16	57.32	-112.21
3	95.83	-56.38	-13.00	-43.38	1.50 H	34	57.36	-113.74
4	153.24	-55.39	-13.00	-42.39	1.47 H	161	52.69	-108.08
5	337.51	-65.29	-13.00	-52.29	1.00 H	163	41.42	-106.71
6	515.81	-63.60	-13.00	-50.60	1.20 H	248	39.10	-102.70

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) + 20log(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.

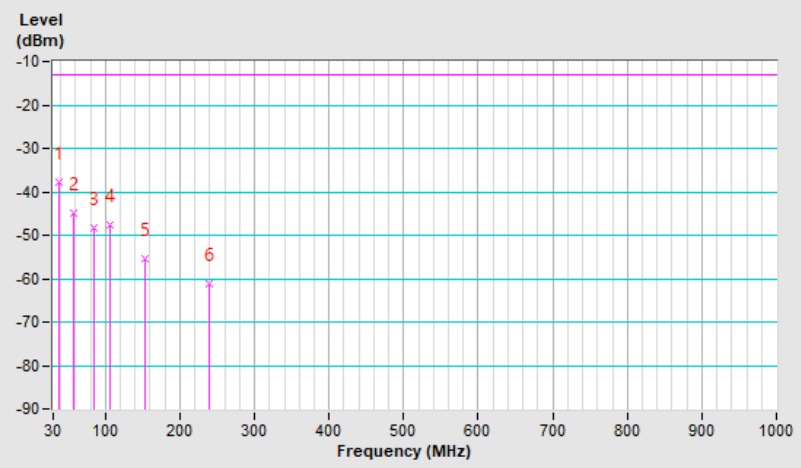


RF Mode	GSM 1900	Channel	CH 810：1910 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 68 % RH
Tested By	Karl Lee		

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	37.45	-37.68	-13.00	-24.68	1.08 V	229	71.30	-108.98
2	58.13	-44.82	-13.00	-31.82	1.00 V	161	64.12	-108.94
3	84.25	-48.26	-13.00	-35.26	1.08 V	150	65.76	-114.02
4	105.72	-47.79	-13.00	-34.79	1.96 V	226	64.16	-111.95
5	154.16	-55.37	-13.00	-42.37	1.20 V	49	52.54	-107.91
6	239.57	-61.23	-13.00	-48.23	1.99 V	124	48.63	-109.86

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) + 20log(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.



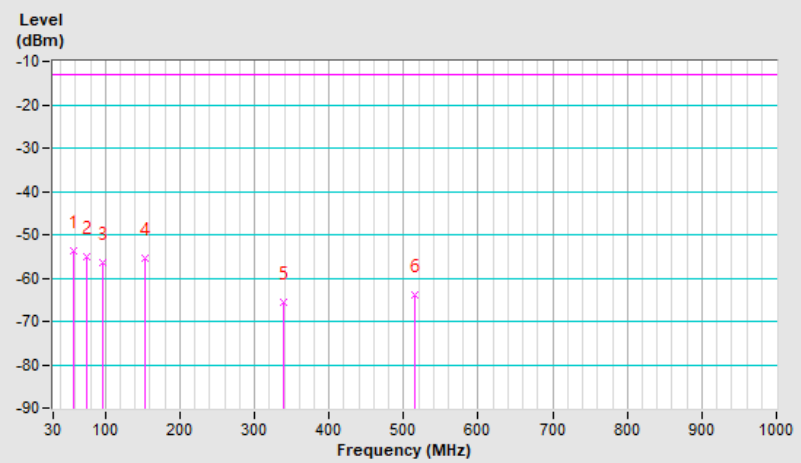
7.2.4 EDGE 1900

RF Mode	EDGE 1900	Channel	CH 810：1910 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 68 % RH
Tested By	Karl 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	57.16	-53.89	-13.00	-40.89	1.52 H	117	55.04	-108.93
2	75.56	-54.93	-13.00	-41.93	1.85 H	10	57.28	-112.21
3	95.79	-56.52	-13.00	-43.52	1.27 H	162	57.22	-113.74
4	153.60	-55.28	-13.00	-42.28	1.63 H	293	52.71	-107.99
5	338.04	-65.55	-13.00	-52.55	1.08 H	176	41.16	-106.71
6	515.81	-63.78	-13.00	-50.78	1.12 H	219	38.92	-102.70

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) + 20log(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.

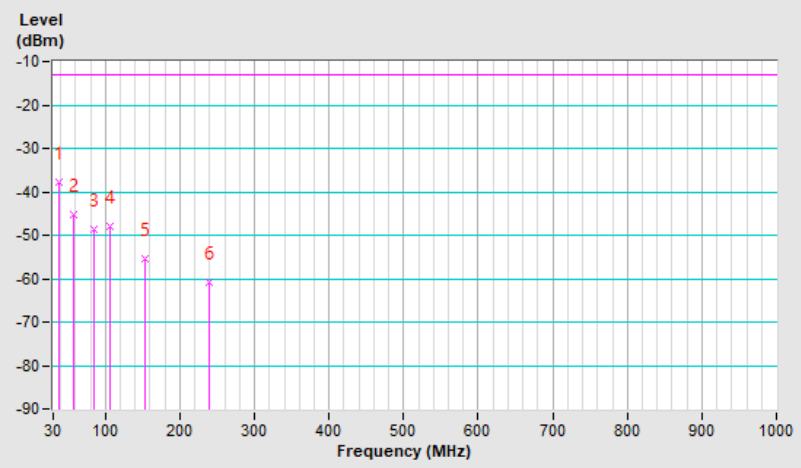


RF Mode	EDGE 1900	Channel	CH 810：1910 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 68 % RH
Tested By	Karl Lee		

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	37.39	-37.85	-13.00	-24.85	1.32 V	229	71.14	-108.99
2	58.12	-45.12	-13.00	-32.12	1.17 V	160	63.82	-108.94
3	84.37	-48.51	-13.00	-35.51	1.99 V	208	65.51	-114.02
4	105.44	-48.01	-13.00	-35.01	1.38 V	196	63.96	-111.97
5	154.12	-55.58	-13.00	-42.58	2.59 V	151	52.32	-107.90
6	239.57	-60.94	-13.00	-47.94	1.85 V	239	48.92	-109.86

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) + 20log(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.



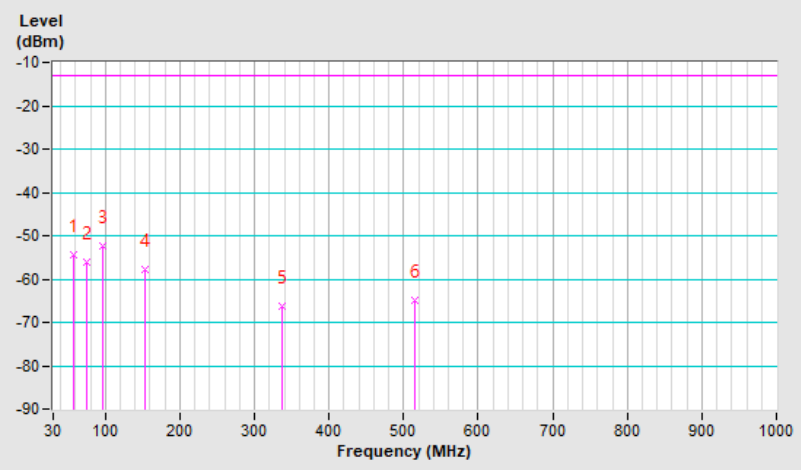
7.2.5 LTE Band 2

RF Mode	LTE Band 2 Channel Bandwidth: 5MHz	**Channel**	CH 19175：1907.5 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23.4 °C, 76.3 % RH
Tested By	Rex Wang		

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	57.16	-54.53	-13.00	-41.53	2.00 H	39	50.19	-104.72
2	75.59	-56.13	-13.00	-43.13	1.51 H	220	51.46	-107.59
3	95.96	-52.47	-13.00	-39.47	2.00 H	222	56.69	-109.16
4	153.19	-57.67	-13.00	-44.67	2.00 H	247	46.03	-103.70
5	337.49	-66.43	-13.00	-53.43	1.00 H	294	34.89	-101.32
6	515.97	-64.97	-13.00	-51.97	1.51 H	339	33.16	-98.13

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) + 20log(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.

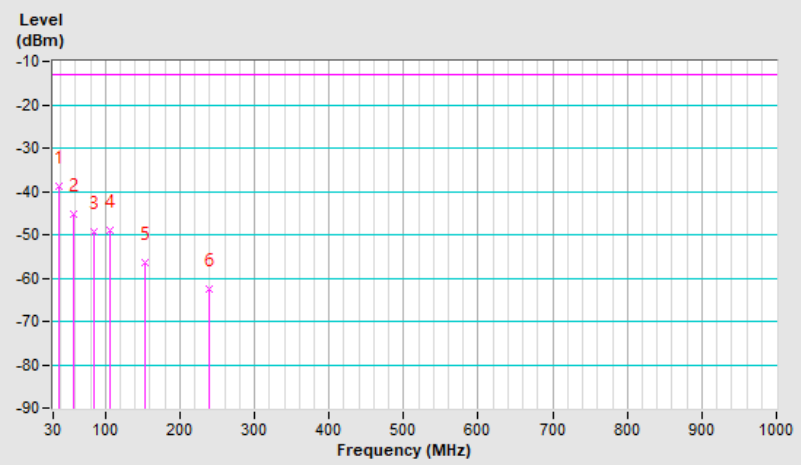


RF Mode	LTE Band 2 Channel Bandwidth: 5MHz	**Channel**	CH 19175：1907.5 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23.4 °C, 76.3 % RH
Tested By	Rex Wang		

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	37.76	-38.97	-13.00	-25.97	1.49 V	153	66.07	-105.04
2	58.13	-45.12	-13.00	-32.12	1.00 V	139	59.54	-104.66
3	84.32	-49.35	-13.00	-36.35	1.00 V	196	59.97	-109.32
4	105.66	-48.92	-13.00	-35.92	1.00 V	299	58.64	-107.56
5	154.16	-56.49	-13.00	-43.49	1.00 V	231	47.05	-103.54
6	239.52	-62.50	-13.00	-49.50	1.49 V	194	42.10	-104.60

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) + 20log(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.



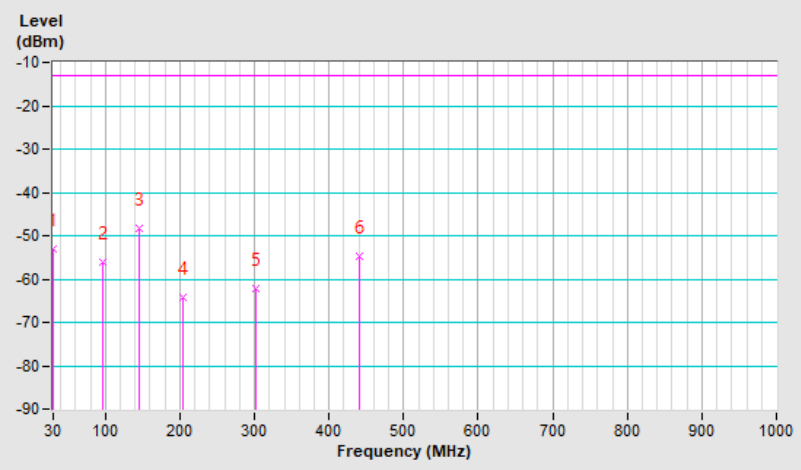
7.2.6 LTE Band 4

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**	23.4 °C, 76.3 % RH
Tested By	Rex Wang		

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	30.00	-53.19	-13.00	-40.19	1.99 H	13	52.47	-105.66
2	95.96	-55.94	-13.00	-42.94	1.99 H	217	53.22	-109.16
3	144.46	-48.30	-13.00	-35.30	1.99 H	258	55.64	-103.94
4	203.63	-64.20	-13.00	-51.20	1.49 H	106	42.28	-106.48
5	302.57	-62.06	-13.00	-49.06	1.00 H	58	39.89	-101.95
6	440.31	-54.70	-13.00	-41.70	1.99 H	136	44.60	-99.30

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) + 20log(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.

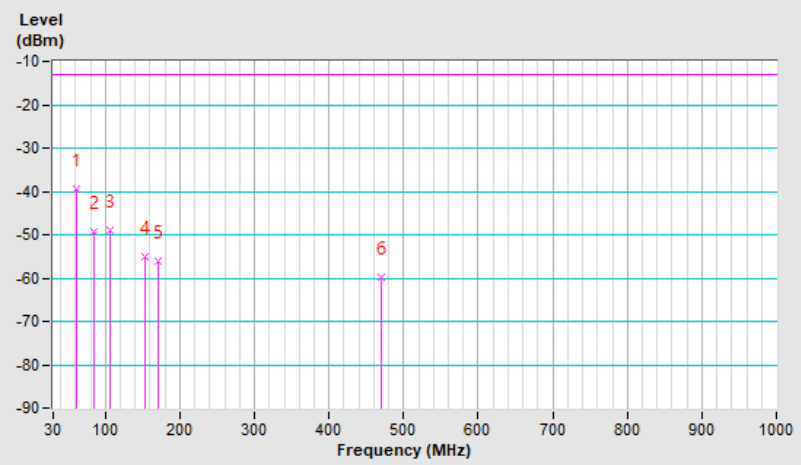


RF Mode	LTE Band 4 Channel Bandwidth: 20MHz	**Channel**	CH 20175：1732.5 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23.4 °C, 76.3 % RH
Tested By	Rex Wang		

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	61.04	-39.48	-13.00	-26.48	1.00 V	178	65.44	-104.92
2	84.32	-49.41	-13.00	-36.41	1.00 V	175	59.91	-109.32
3	105.66	-49.04	-13.00	-36.04	1.00 V	266	58.52	-107.56
4	154.16	-55.06	-13.00	-42.06	1.00 V	225	48.48	-103.54
5	171.62	-55.97	-13.00	-42.97	1.00 V	241	48.06	-104.03
6	470.38	-59.86	-13.00	-46.86	1.49 V	55	38.95	-98.81

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) + 20log(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.



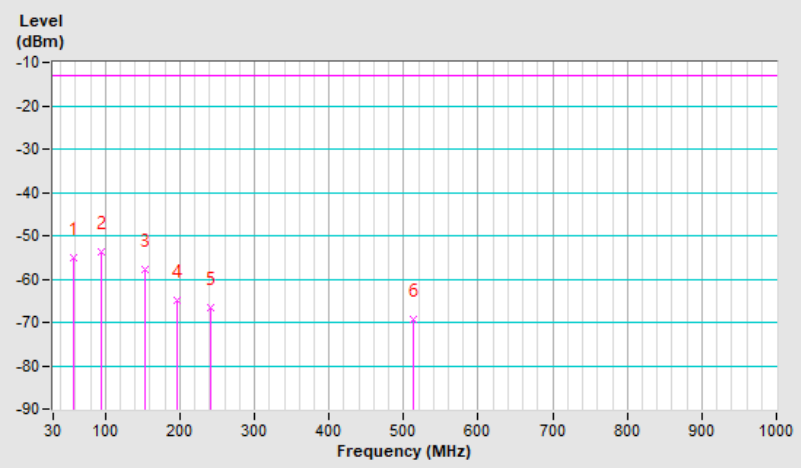
7.2.7 LTE Band 5

RF Mode	LTE Band 5 Channel Bandwidth: 10MHz	**Channel**	CH 20525：836.5 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23.4 °C, 76.3 % RH
Tested By	Rex Wang		

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	58.13	-54.95	-13.00	-41.95	2.00 H	57	51.86	-106.81
2	94.99	-53.57	-13.00	-40.57	2.00 H	218	57.83	-111.40
3	154.16	-57.93	-13.00	-44.93	2.00 H	232	47.76	-105.69
4	196.84	-64.79	-13.00	-51.79	1.51 H	118	43.84	-108.63
5	240.49	-66.75	-13.00	-53.75	1.51 H	290	39.92	-106.67
6	512.09	-69.38	-13.00	-56.38	1.51 H	293	30.96	-100.34

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) + 20log(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.

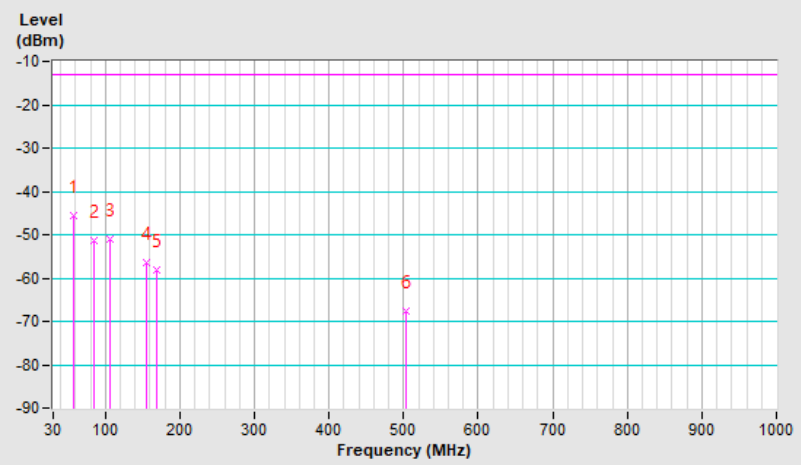


RF Mode	LTE Band 5 Channel Bandwidth: 10MHz	**Channel**	CH 20525：836.5 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23.4 °C, 76.3 % RH
Tested By	Rex Wang		

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	57.16	-45.52	-13.00	-32.52	1.00 V	25	61.35	-106.87
2	84.32	-51.43	-13.00	-38.43	1.00 V	207	60.04	-111.47
3	106.63	-50.89	-13.00	-37.89	1.00 V	232	58.68	-109.57
4	155.13	-56.31	-13.00	-43.31	1.00 V	232	49.49	-105.80
5	169.68	-58.21	-13.00	-45.21	1.00 V	240	47.83	-106.04
6	503.36	-67.65	-13.00	-54.65	1.49 V	46	32.86	-100.51

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) + 20log(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.



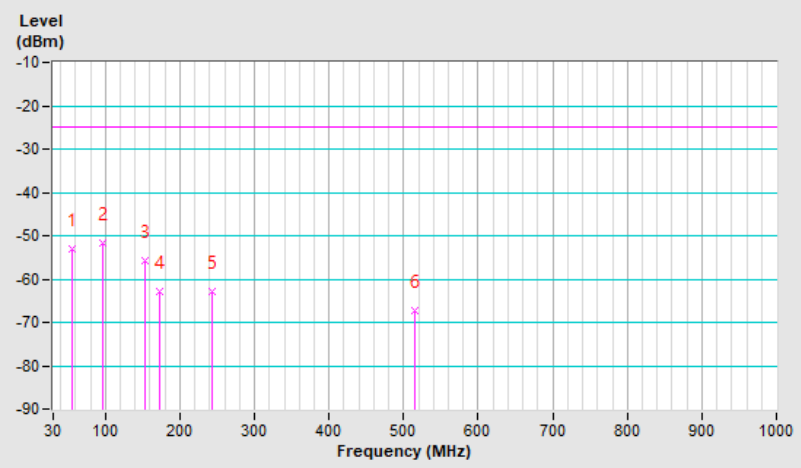
7.2.8 LTE Band 7

RF Mode	LTE Band 7 Channel Bandwidth: 20MHz	**Channel**	CH 21100：2535 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23.4 °C, 76.3 % RH
Tested By	Rex Wang		

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	56.19	-52.89	-25.00	-27.89	1.99 H	77	51.58	-104.47
2	95.96	-51.62	-25.00	-26.62	1.99 H	88	57.54	-109.16
3	154.16	-55.70	-25.00	-30.70	1.99 H	235	47.84	-103.54
4	173.56	-62.93	-25.00	-37.93	1.49 H	310	41.29	-104.22
5	242.43	-62.85	-25.00	-37.85	1.00 H	100	41.54	-104.39
6	515.97	-67.18	-25.00	-42.18	1.49 H	288	30.95	-98.13

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) + 20log(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.

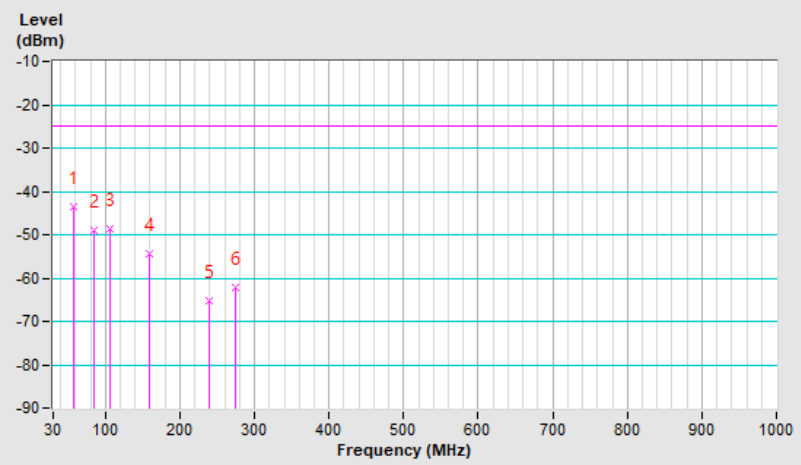


RF Mode	LTE Band 7 Channel Bandwidth: 20MHz	**Channel**	CH 21100：2535 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23.4 °C, 76.3 % RH
Tested By	Rex Wang		

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	**57.16**	**-43.42**	**-25.00**	**-18.42**	**1.01 V**	**132**	**61.30**	**-104.72**
2	84.32	-48.90	-25.00	-23.90	1.01 V	175	60.42	-109.32
3	105.66	-48.50	-25.00	-23.50	1.01 V	256	59.06	-107.56
4	159.01	-54.49	-25.00	-29.49	1.01 V	251	49.03	-103.52
5	238.55	-65.17	-25.00	-40.17	1.01 V	14	39.54	-104.71
6	274.44	-62.04	-25.00	-37.04	1.01 V	261	40.72	-102.76

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) + 20log(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.



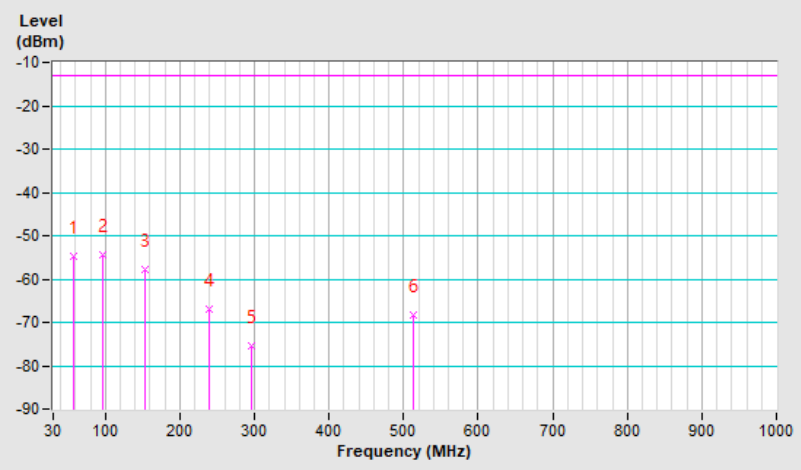
7.2.9 LTE Band 12

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**	23.4 °C, 76.3 % RH
Tested By	Rex Wang		

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	58.13	-54.85	-13.00	-41.85	1.99 H	48	51.96	-106.81
2	95.96	-54.51	-13.00	-41.51	1.99 H	220	56.80	-111.31
3	154.16	-57.83	-13.00	-44.83	1.99 H	225	47.86	-105.69
4	239.52	-66.92	-13.00	-53.92	1.00 H	291	39.83	-106.75
5	296.75	-75.30	-13.00	-62.30	1.00 H	82	28.97	-104.27
6	512.09	-68.46	-13.00	-55.46	1.49 H	298	31.88	-100.34

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) + 20log(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.

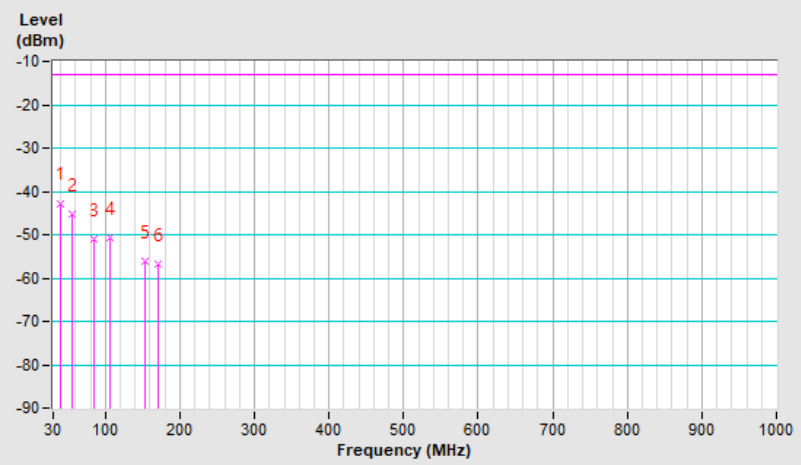


RF Mode	LTE Band 12 Channel Bandwidth: 10MHz	**Channel**	CH 23095：707.5 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23.4 °C, 76.3 % RH
Tested By	Rex Wang		

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	39.70	-42.71	-13.00	-29.71	1.51 V	261	64.38	-107.09
2	56.19	-45.40	-13.00	-32.40	1.00 V	158	61.22	-106.62
3	84.32	-51.01	-13.00	-38.01	1.00 V	160	60.46	-111.47
4	105.66	-50.58	-13.00	-37.58	1.00 V	269	59.13	-109.71
5	153.19	-55.95	-13.00	-42.95	1.00 V	234	49.90	-105.85
6	170.65	-56.78	-13.00	-43.78	1.00 V	272	49.34	-106.12

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) + 20log(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.



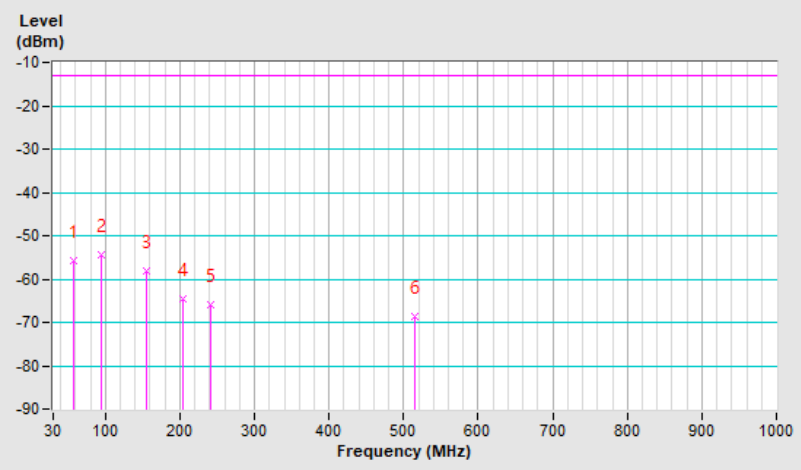
7.2.10 LTE Band 14

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**	23.4 °C, 76.3 % RH
Tested By	Rex Wang		

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	57.16	-55.67	-13.00	-42.67	1.50 H	52	51.20	-106.87
2	94.99	-54.37	-13.00	-41.37	2.00 H	200	57.03	-111.40
3	155.13	-57.97	-13.00	-44.97	2.00 H	224	47.83	-105.80
4	204.60	-64.51	-13.00	-51.51	1.50 H	166	44.10	-108.61
5	240.49	-65.84	-13.00	-52.84	1.01 H	283	40.83	-106.67
6	515.97	-68.51	-13.00	-55.51	1.50 H	306	31.77	-100.28

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) + 20log(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.

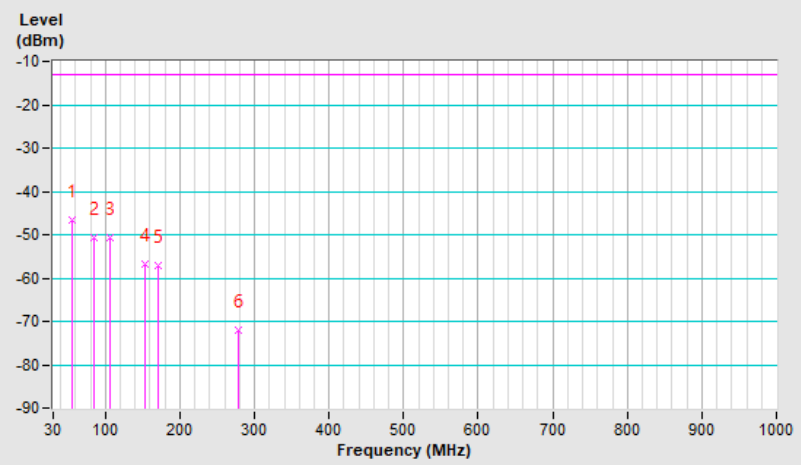


RF Mode	LTE Band 14 Channel Bandwidth: 10MHz	**Channel**	CH 23330：793 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23.4 °C, 76.3 % RH
Tested By	Rex Wang		

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	56.19	-46.59	-13.00	-33.59	1.00 V	0	60.03	-106.62
2	84.32	-50.80	-13.00	-37.80	1.00 V	162	60.67	-111.47
3	106.63	-50.60	-13.00	-37.60	1.00 V	168	58.97	-109.57
4	154.16	-56.72	-13.00	-43.72	1.00 V	233	48.97	-105.69
5	171.62	-56.98	-13.00	-43.98	1.00 V	257	49.20	-106.18
6	278.32	-71.96	-13.00	-58.96	1.99 V	262	32.80	-104.76

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) + 20log(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.



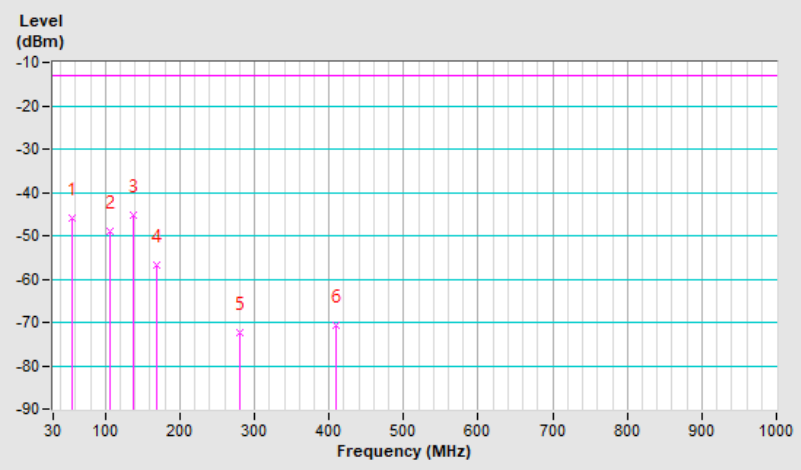
7.2.11 LTE Band 17

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**	23.4 °C, 76.3 % RH
Tested By	Rex Wang		

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	56.19	-45.84	-13.00	-32.84	1.01 H	11	60.78	-106.62
2	106.63	-49.10	-13.00	-36.10	1.01 H	169	60.47	-109.57
3	137.67	-45.37	-13.00	-32.37	2.00 H	270	61.10	-106.47
4	168.71	-56.93	-13.00	-43.93	1.01 H	261	49.13	-106.06
5	280.26	-72.38	-13.00	-59.38	1.01 H	220	32.31	-104.69
6	410.24	-70.84	-13.00	-57.84	2.00 H	127	31.49	-102.33

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) + 20log(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.

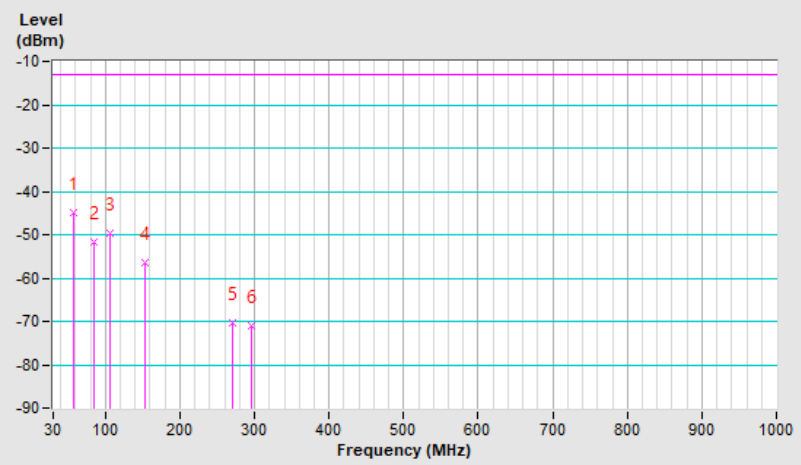


RF Mode	LTE Band 17 Channel Bandwidth: 10MHz	**Channel**	CH 23790：710 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23.4 °C, 76.3 % RH
Tested By	Rex Wang		

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	57.16	-45.07	-13.00	-32.07	1.00 V	6	61.80	-106.87
2	85.29	-51.77	-13.00	-38.77	1.00 V	123	59.80	-111.57
3	105.66	-49.80	-13.00	-36.80	1.00 V	236	59.91	-109.71
4	154.16	-56.45	-13.00	-43.45	1.00 V	223	49.24	-105.69
5	270.56	-70.20	-13.00	-57.20	1.49 V	19	34.89	-105.09
6	295.78	-71.07	-13.00	-58.07	1.00 V	101	33.23	-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) + 20log(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.



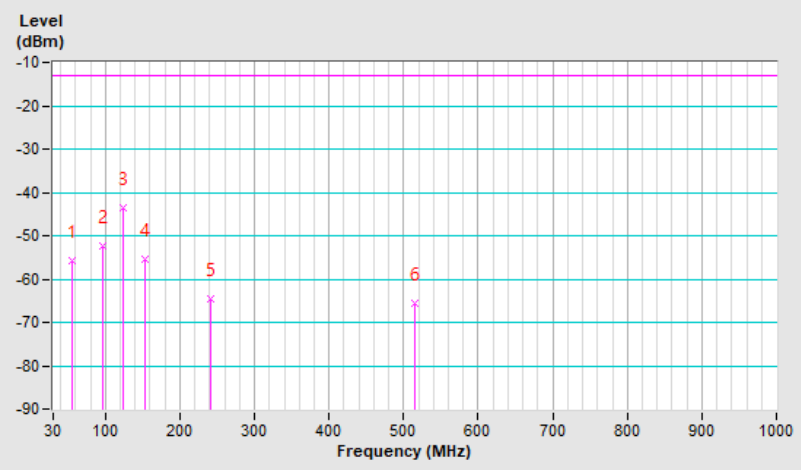
7.2.12 LTE Band 25

RF Mode	LTE Band 25 Channel Bandwidth: 1.4MHz	**Channel**	CH 26683：1914.3 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23.4 °C, 76.3 % RH
Tested By	Rex Wang		

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	56.19	-55.86	-13.00	-42.86	1.51 H	18	48.61	-104.47
2	95.96	-52.28	-13.00	-39.28	2.00 H	204	56.88	-109.16
3	123.12	-43.72	-13.00	-30.72	1.00 H	90	62.05	-105.77
4	154.16	-55.41	-13.00	-42.41	1.51 H	223	48.13	-103.54
5	240.49	-64.70	-13.00	-51.70	1.00 H	298	39.82	-104.52
6	514.03	-65.52	-13.00	-52.52	1.51 H	313	32.64	-98.16

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) + 20log(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.

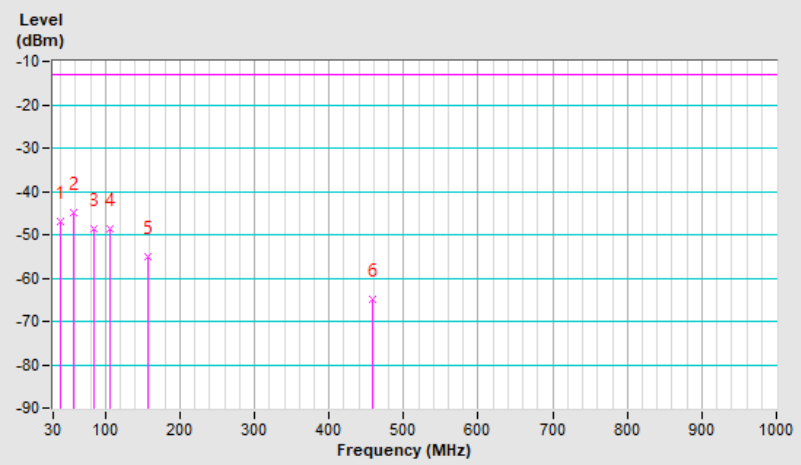


RF Mode	LTE Band 25 Channel Bandwidth: 1.4MHz	**Channel**	CH 26683：1914.3 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23.4 °C, 76.3 % RH
Tested By	Rex Wang		

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	39.70	-46.82	-13.00	-33.82	1.99 V	58	58.12	-104.94
2	57.16	-44.76	-13.00	-31.76	1.49 V	13	59.96	-104.72
3	84.32	-48.64	-13.00	-35.64	1.49 V	246	60.68	-109.32
4	105.66	-48.59	-13.00	-35.59	1.00 V	233	58.97	-107.56
5	158.04	-54.92	-13.00	-41.92	1.00 V	222	48.69	-103.61
6	457.77	-64.84	-13.00	-51.84	1.00 V	30	34.13	-98.97

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) + 20log(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.



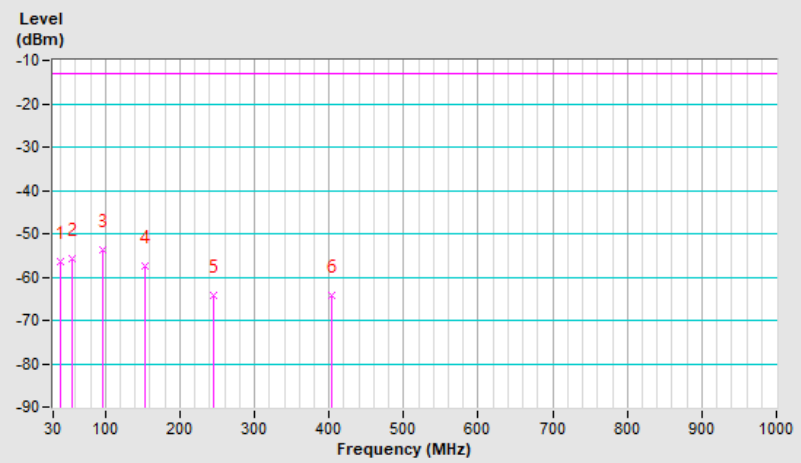
7.2.13 LTE Band 26 (814 MHz ~ 824 MHz)

RF Mode	LTE Band 26 (814 MHz ~ 824 MHz) 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**	23.4 °C, 76.3 % RH
Tested By	Rex Wang		

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	40.67	-56.36	-13.00	-43.36	2.00 H	317	50.57	-106.93
2	56.19	-55.89	-13.00	-42.89	2.00 H	62	50.73	-106.62
3	95.96	-53.76	-13.00	-40.76	2.00 H	201	57.55	-111.31
4	153.19	-57.36	-13.00	-44.36	2.00 H	222	48.49	-105.85
5	245.34	-64.26	-13.00	-51.26	2.00 H	330	42.09	-106.35
6	403.45	-64.14	-13.00	-51.14	1.50 H	212	38.30	-102.44

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) + 20log(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.

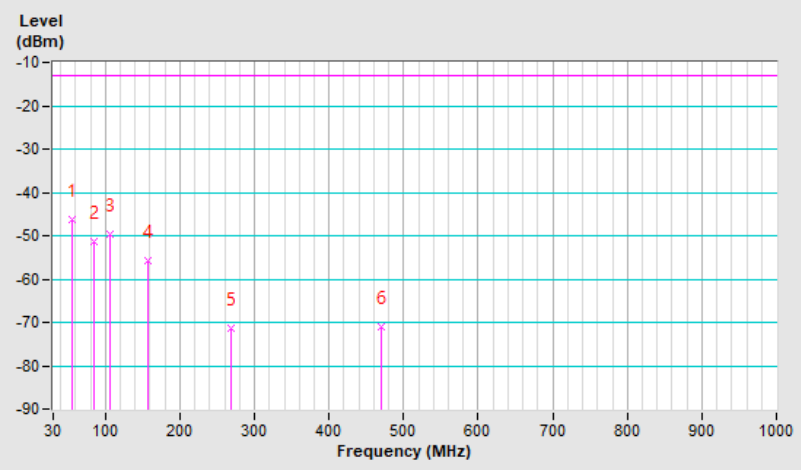


RF Mode	LTE Band 26 (814 MHz ~ 824 MHz) Channel Bandwidth: 10MHz	**Channel**	CH 26740：819 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23.4 °C, 76.3 % RH
Tested By	Rex Wang		

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	56.19	-46.19	-13.00	-33.19	1.49 V	165	60.43	-106.62
2	84.32	-51.34	-13.00	-38.34	1.49 V	214	60.13	-111.47
3	105.66	-49.74	-13.00	-36.74	1.00 V	278	59.97	-109.71
4	158.04	-55.80	-13.00	-42.80	1.00 V	228	49.96	-105.76
5	268.62	-71.29	-13.00	-58.29	1.99 V	221	33.93	-105.22
6	469.41	-71.02	-13.00	-58.02	1.00 V	129	29.95	-100.97

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) + 20log(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.



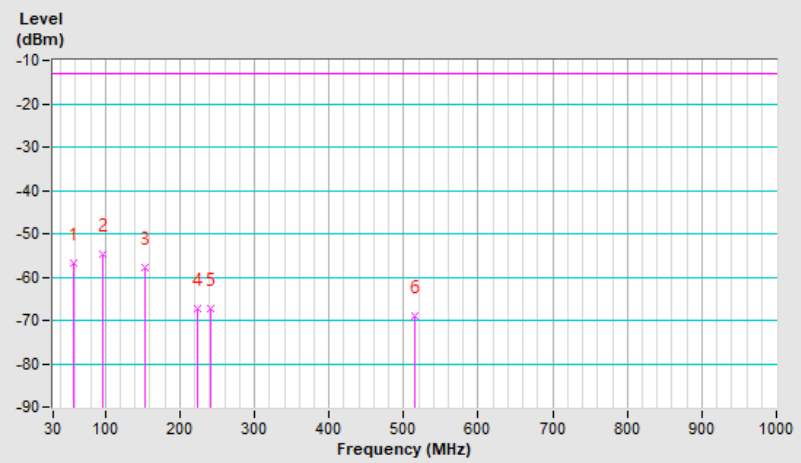
7.2.14 LTE Band 26 (824 MHz ~ 849 MHz)

RF Mode	LTE Band 26 (824 MHz ~ 849 MHz) Channel Bandwidth: 15MHz	**Channel**	CH 26915：836.5 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23.4 °C, 76.3 % RH
Tested By	Rex Wang		

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	57.16	-56.72	-13.00	-43.72	1.99 H	13	50.15	-106.87
2	95.96	-54.75	-13.00	-41.75	1.99 H	214	56.56	-111.31
3	154.16	-57.66	-13.00	-44.66	1.99 H	244	48.03	-105.69
4	223.03	-67.38	-13.00	-54.38	1.00 H	274	40.84	-108.22
5	241.46	-67.14	-13.00	-54.14	1.00 H	311	39.46	-106.60
6	514.03	-69.10	-13.00	-56.10	1.49 H	305	31.21	-100.31

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) + 20log(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.

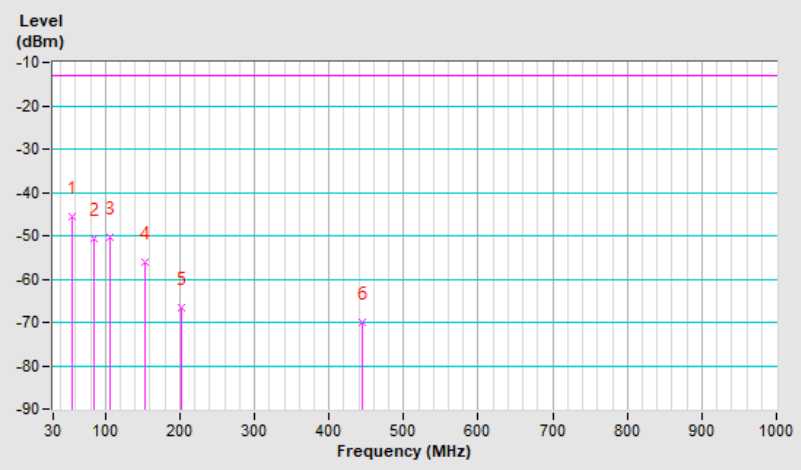


RF Mode	LTE Band 26 (824 MHz ~ 849 MHz) Channel Bandwidth: 15MHz	**Channel**	CH 26915：836.5 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23.4 °C, 76.3 % RH
Tested By	Rex Wang		

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	56.19	-45.44	-13.00	-32.44	1.50 V	6	61.18	-106.62
2	84.32	-50.62	-13.00	-37.62	1.00 V	215	60.85	-111.47
3	105.66	-50.42	-13.00	-37.42	1.00 V	291	59.29	-109.71
4	154.16	-56.13	-13.00	-43.13	1.00 V	234	49.56	-105.69
5	202.66	-66.72	-13.00	-53.72	1.00 V	223	41.92	-108.64
6	444.19	-69.93	-13.00	-56.93	1.50 V	338	31.45	-101.38

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) + 20log(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.



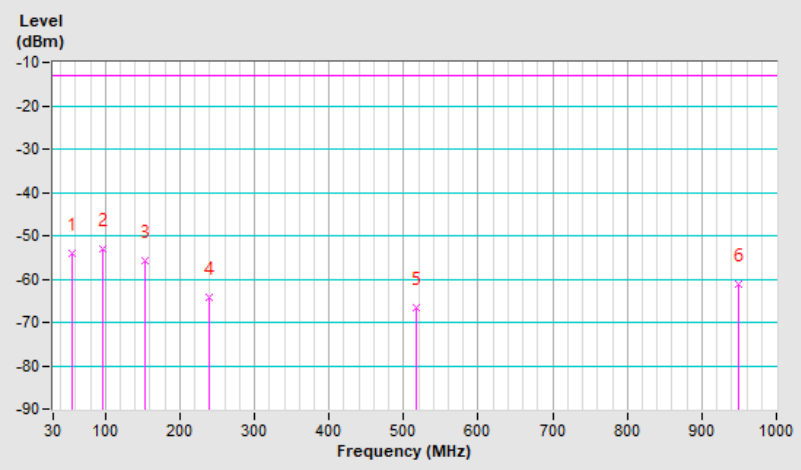
7.2.15 LTE Band 66

RF Mode	LTE Band 66 Channel Bandwidth: 5MHz	**Channel**	CH 132647：1777.5 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23.4 °C, 76.3 % RH
Tested By	Rex Wang		

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	56.19	-54.22	-13.00	-41.22	1.99 H	37	50.25	-104.47
2	95.96	-52.92	-13.00	-39.92	1.99 H	206	56.24	-109.16
3	154.16	-55.74	-13.00	-42.74	1.99 H	224	47.80	-103.54
4	239.52	-64.36	-13.00	-51.36	1.49 H	299	40.24	-104.60
5	516.94	-66.76	-13.00	-53.76	1.49 H	342	31.37	-98.13
6	948.59	-61.25	-13.00	-48.25	1.00 H	6	28.79	-90.04

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) + 20log(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.

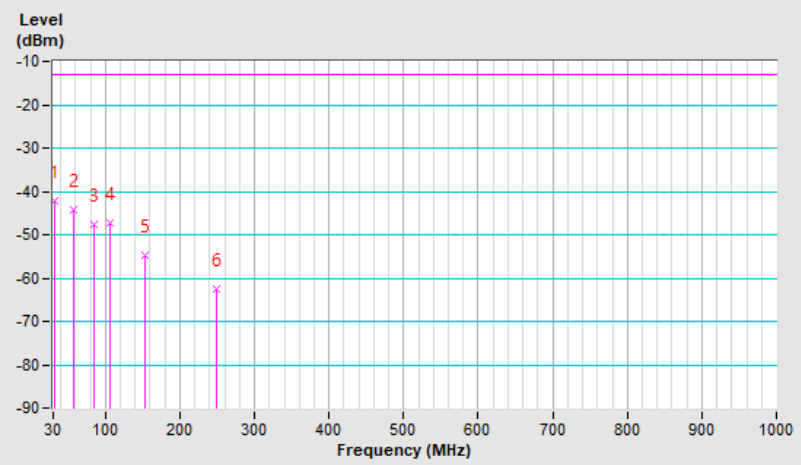


RF Mode	LTE Band 66 Channel Bandwidth: 5MHz	**Channel**	CH 132647：1777.5 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	23.4 °C, 76.3 % RH
Tested By	Rex Wang		

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	31.94	-42.10	-13.00	-29.10	1.01 V	151	63.60	-105.70
2	58.13	-44.27	-13.00	-31.27	1.01 V	13	60.39	-104.66
3	84.32	-47.54	-13.00	-34.54	1.50 V	200	61.78	-109.32
4	106.63	-47.45	-13.00	-34.45	1.01 V	211	59.97	-107.42
5	154.16	-54.72	-13.00	-41.72	1.01 V	219	48.82	-103.54
6	248.25	-62.49	-13.00	-49.49	1.01 V	53	41.58	-104.07

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) + 20log(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.



7.3 Radiated Spurious Emissions above 1GHz

7.3.1 GSM 850

RF Mode	GSM 850	**Channel**	CH 128：824.2 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	1684.40	-40.41	-13.00	-27.41	1.89 H	320	63.64	-104.05
2	2472.60	-47.43	-13.00	-34.43	1.28 H	118	54.28	-101.71
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	1684.40	-37.93	-13.00	-24.93	1.51 V	280	66.12	-104.05
2	2472.60	-47.61	-13.00	-34.61	1.82 V	218	54.10	-101.71

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) + 20log(D) – 104.8 – 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

RF Mode	GSM 850	Channel	CH 189：836.4 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	1672.80	-43.34	-13.00	-30.34	1.85 H	321	60.72	-104.06
2	2509.20	-50.51	-13.00	-37.51	1.53 H	115	51.13	-101.64
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	-41.71	-13.00	-28.71	1.12 V	240	62.35	-104.06
2	2509.20	-46.89	-13.00	-33.89	1.43 V	219	54.75	-101.64

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) + 20log(D) – 104.8 – 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

RF Mode	GSM 850	Channel	CH 251：848.8 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	1697.60	-44.89	-13.00	-31.89	1.75 H	323	59.16	-104.05
2	2546.40	-52.22	-13.00	-39.22	1.48 H	116	49.41	-101.63
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	1697.60	-43.85	-13.00	-30.85	1.51 V	111	60.20	-104.05
2	2546.40	-48.96	-13.00	-35.96	1.25 V	218	52.67	-101.63

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) + 20log(D) – 104.8 – 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

7.3.2 EDGE 850

RF Mode	EDGE 850	Channel	CH 128：824.2 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	1684.40	-45.29	-13.00	-32.29	1.50 H	247	58.76	-104.05
2	2472.60	-55.51	-13.00	-42.51	1.31 H	120	46.20	-101.71
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	1684.40	-42.25	-13.00	-29.25	1.59 V	223	61.80	-104.05
2	2472.60	-55.31	-13.00	-42.31	1.84 V	220	46.40	-101.71

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) + 20log(D) – 104.8 – 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

RF Mode	EDGE 850	Channel	CH 189：836.4 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	1672.80	-47.12	-13.00	-34.12	1.85 H	36	56.94	-104.06
2	2509.20	-55.66	-13.00	-42.66	1.48 H	99	45.98	-101.64
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	-44.08	-13.00	-31.08	1.08 V	235	59.98	-104.06
2	2509.20	-55.44	-13.00	-42.44	1.55 V	220	46.20	-101.64

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) + 20log(D) – 104.8 – 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

RF Mode	EDGE 850	Channel	CH 251：848.8 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	1697.60	-50.04	-13.00	-37.04	1.41 H	36	54.01	-104.05
2	2546.40	-55.92	-13.00	-42.92	1.80 H	325	45.71	-101.63
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	1697.60	-45.67	-13.00	-32.67	1.10 V	240	58.38	-104.05
2	2546.40	-43.71	-13.00	-30.71	1.12 V	239	57.92	-101.63

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) + 20log(D) – 104.8 – 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

7.3.3 GSM 1900

RF Mode	GSM 1900	Channel	CH 512：1850.2 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	3700.40	-49.39	-13.00	-36.39	1.64 H	118	46.45	-95.84
2	5550.60	-42.73	-13.00	-29.73	1.50 H	277	49.67	-92.40
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	3700.40	-49.28	-13.00	-36.28	1.60 V	254	46.56	-95.84
2	5550.60	-38.99	-13.00	-25.99	1.59 V	248	53.41	-92.40

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) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	GSM 1900	Channel	CH 661：1880 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	3760.00	-49.71	-13.00	-36.71	1.48 H	315	45.80	-95.51
2	5640.00	-44.55	-13.00	-31.55	1.50 H	294	47.12	-91.67
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	3760.00	-48.10	-13.00	-35.10	1.21 V	24	47.41	-95.51
2	5640.00	-37.58	-13.00	-24.58	1.56 V	245	54.09	-91.67

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) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	GSM 1900	Channel	CH 810：1909.8 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	3819.60	-47.02	-13.00	-34.02	1.38 H	150	48.21	-95.23
2	5729.40	-39.74	-13.00	-26.74	1.97 H	285	51.30	-91.04
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	3819.60	-46.09	-13.00	-33.09	1.54 V	265	49.14	-95.23
2	5729.40	-36.95	-13.00	-23.95	1.57 V	248	54.09	-91.04

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) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

7.3.4 EDGE 1900

RF Mode	EDGE 1900	Channel	CH 512：1850.2 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	3700.40	-49.52	-13.00	-36.52	1.66 H	120	46.32	-95.84
2	5550.60	-45.42	-13.00	-32.42	1.52 H	311	46.98	-92.40
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	3700.40	-49.74	-13.00	-36.74	1.25 V	246	46.10	-95.84
2	5550.60	-44.99	-13.00	-31.99	1.12 V	237	47.41	-92.40

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) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	EDGE 1900	Channel	CH 661：1880 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	3760.00	-49.96	-13.00	-36.96	1.51 H	300	45.55	-95.51
2	5640.00	-45.24	-13.00	-32.24	1.30 H	277	46.43	-91.67
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	3760.00	-49.21	-13.00	-36.21	1.25 V	30	46.30	-95.51
2	5640.00	-41.62	-13.00	-28.62	1.60 V	244	50.05	-91.67

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) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	EDGE 1900	Channel	CH 810：1909.8 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	3819.60	-48.57	-13.00	-35.57	1.29 H	150	46.66	-95.23
2	5729.40	-43.68	-13.00	-30.68	1.61 H	284	47.36	-91.04
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	3819.60	-48.88	-13.00	-35.88	1.00 V	252	46.35	-95.23
2	5729.40	-41.55	-13.00	-28.55	1.00 V	240	49.49	-91.04

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) + 20log(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 2

RF Mode	LTE Band 2 Channel Bandwidth: 1.4MHz	**Channel**	CH 18607：1850.7 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	3701.40	-51.88	-13.00	-38.88	1.90 H	94	43.95	-95.83
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	3701.40	-51.82	-13.00	-38.82	1.56 V	219	44.01	-95.83

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) + 20log(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: 1.4MHz	**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**	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	3760.00	-51.68	-13.00	-38.68	1.85 H	93	43.83	-95.51
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	-51.22	-13.00	-38.22	1.56 V	218	44.29	-95.51

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) + 20log(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: 1.4MHz	**Channel**	CH 19193：1909.3 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	3818.60	-51.40	-13.00	-38.40	1.90 H	92	43.83	-95.23
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	3818.60	-51.09	-13.00	-38.09	1.54 V	216	44.14	-95.23

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) + 20log(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: 5MHz	**Channel**	CH 18625：1852.5 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	3705.00	-51.84	-13.00	-38.84	1.89 H	87	43.97	-95.81
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	3705.00	-51.46	-13.00	-38.46	1.57 V	218	44.35	-95.81

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) + 20log(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: 5MHz	**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**	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	3760.00	-51.60	-13.00	-38.60	1.83 H	90	43.91	-95.51
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	-51.43	-13.00	-38.43	1.50 V	215	44.08	-95.51

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) + 20log(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: 5MHz	**Channel**	CH 19175：1907.5 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	3815.00	-51.51	-13.00	-38.51	1.91 H	88	43.73	-95.24
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	3815.00	-51.02	-13.00	-38.02	1.55 V	216	44.22	-95.24

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) + 20log(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 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**	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	3720.00	-51.83	-13.00	-38.83	1.84 H	94	43.90	-95.73
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	-51.57	-13.00	-38.57	1.57 V	216	44.16	-95.73

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) + 20log(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**	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	3760.00	-51.39	-13.00	-38.39	1.93 H	87	44.12	-95.51
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	-51.04	-13.00	-38.04	1.55 V	216	44.47	-95.51

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) + 20log(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**	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	3800.00	-51.66	-13.00	-38.66	1.90 H	91	43.65	-95.31
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	-51.10	-13.00	-38.10	1.47 V	218	44.21	-95.31

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) + 20log(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 4

RF Mode	LTE Band 4 Channel Bandwidth: 1.4MHz	**Channel**	CH 19957：1710.7 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	3421.40	-51.06	-13.00	-38.06	1.73 H	320	45.80	-96.86
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	3421.40	-46.90	-13.00	-33.90	1.20 V	276	49.96	-96.86

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) + 20log(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: 1.4MHz	**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**	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	3465.00	-50.33	-13.00	-37.33	1.78 H	321	46.50	-96.83
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	-45.25	-13.00	-32.25	1.19 V	269	51.58	-96.83

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) + 20log(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: 1.4MHz	**Channel**	CH 20393：1754.3 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	3508.60	-50.23	-13.00	-37.23	1.80 H	319	46.43	-96.66
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	3508.60	-47.16	-13.00	-34.16	1.22 V	269	49.50	-96.66

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) + 20log(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: 5MHz	**Channel**	CH 19975：1712.5 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	3425.00	-50.47	-13.00	-37.47	1.73 H	315	46.40	-96.87
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	3425.00	-45.51	-13.00	-32.51	1.31 V	268	51.36	-96.87

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) + 20log(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: 5MHz	**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**	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	3465.00	-50.34	-13.00	-37.34	1.76 H	326	46.49	-96.83
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	-43.61	-13.00	-30.61	1.28 V	270	53.22	-96.83

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) + 20log(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: 5MHz	**Channel**	CH 20375：1752.5 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	3505.00	-50.36	-13.00	-37.36	1.80 H	324	46.30	-96.66
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	3505.00	-48.56	-13.00	-35.56	1.25 V	266	48.10	-96.66

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) + 20log(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 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**	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	3440.00	-50.58	-13.00	-37.58	1.72 H	326	46.31	-96.89
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	3440.00	-48.05	-13.00	-35.05	1.24 V	267	48.84	-96.89

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) + 20log(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**	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	3465.00	-49.93	-13.00	-36.93	1.77 H	325	46.90	-96.83
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	-42.95	-13.00	-29.95	1.28 V	268	53.88	-96.83

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) + 20log(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**	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	3490.00	-50.10	-13.00	-37.10	1.82 H	327	46.62	-96.72
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	-45.99	-13.00	-32.99	1.25 V	273	50.73	-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) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

7.3.7 LTE Band 5

RF Mode	LTE Band 5 Channel Bandwidth: 1.4MHz	**Channel**	CH 20407：824.7 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	1649.40	-59.17	-13.00	-46.17	1.73 H	314	44.90	-104.07
2	2474.10	-56.51	-13.00	-43.51	1.33 H	111	45.20	-101.71
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	1649.40	-57.09	-13.00	-44.09	1.50 V	211	46.98	-104.07
2	2474.10	-54.07	-13.00	-41.07	1.02 V	277	47.64	-101.71

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) + 20log(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: 1.4MHz	**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**	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	1673.00	-59.20	-13.00	-46.20	1.64 H	316	44.86	-104.06
2	2509.50	-56.43	-13.00	-43.43	1.30 H	116	45.21	-101.64
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	-57.27	-13.00	-44.27	1.51 V	208	46.79	-104.06
2	2509.50	-54.06	-13.00	-41.06	1.02 V	274	47.58	-101.64

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) + 20log(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: 1.4MHz	**Channel**	CH 20643：848.3 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	1696.60	-59.29	-13.00	-46.29	1.71 H	317	44.76	-104.05
2	2544.90	-56.71	-13.00	-43.71	1.36 H	118	44.92	-101.63
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	1696.60	-57.40	-13.00	-44.40	1.54 V	215	46.65	-104.05
2	2544.90	-54.21	-13.00	-41.21	1.05 V	291	47.42	-101.63

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) + 20log(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: 5MHz	**Channel**	CH 20425：826.5 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	1653.00	-59.20	-13.00	-46.20	1.67 H	313	44.87	-104.07
2	2479.50	-56.56	-13.00	-43.56	1.37 H	115	45.13	-101.69
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	1653.00	-57.36	-13.00	-44.36	1.47 V	212	46.71	-104.07
2	2479.50	-54.16	-13.00	-41.16	1.00 V	290	47.53	-101.69

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) + 20log(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: 5MHz	**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**	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	1673.00	-58.99	-13.00	-45.99	1.64 H	314	45.07	-104.06
2	2509.50	-56.36	-13.00	-43.36	1.36 H	108	45.28	-101.64
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	-57.37	-13.00	-44.37	1.45 V	209	46.69	-104.06
2	2509.50	-54.06	-13.00	-41.06	1.03 V	274	47.58	-101.64

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) + 20log(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: 5MHz	**Channel**	CH 20625：846.5 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	1693.00	-59.04	-13.00	-46.04	1.71 H	312	45.01	-104.05
2	2539.50	-56.37	-13.00	-43.37	1.41 H	115	45.26	-101.63
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	1693.00	-57.05	-13.00	-44.05	1.49 V	215	47.00	-104.05
2	2539.50	-53.82	-13.00	-40.82	1.02 V	289	47.81	-101.63

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) + 20log(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: 10MHz	**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**	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	1658.00	-59.07	-13.00	-46.07	1.63 H	317	44.99	-104.06
2	2487.00	-56.54	-13.00	-43.54	1.29 H	107	45.14	-101.68
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	-57.45	-13.00	-44.45	1.55 V	208	46.61	-104.06
2	2487.00	-54.16	-13.00	-41.16	1.02 V	291	47.52	-101.68

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) + 20log(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: 10MHz	**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**	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	1673.00	-58.86	-13.00	-45.86	1.70 H	314	45.20	-104.06
2	2509.50	-56.21	-13.00	-43.21	1.39 H	115	45.43	-101.64
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	-56.96	-13.00	-43.96	1.45 V	208	47.10	-104.06
2	2509.50	-53.69	-13.00	-40.69	1.00 V	286	47.95	-101.64

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) + 20log(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: 10MHz	**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**	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	1688.00	-59.30	-13.00	-46.30	1.72 H	315	44.75	-104.05
2	2532.00	-56.62	-13.00	-43.62	1.29 H	125	45.02	-101.64
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	-57.07	-13.00	-44.07	1.49 V	212	46.98	-104.05
2	2532.00	-53.78	-13.00	-40.78	1.04 V	291	47.86	-101.64

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) + 20log(D) – 104.8 – 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

7.3.8 LTE Band 7

RF Mode	LTE Band 7 Channel Bandwidth: 5MHz	**Channel**	CH 20775：2502.5 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	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	5005.00	-48.45	-25.00	-23.45	1.67 H	214	44.28	-92.73
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	5005.00	-48.17	-25.00	-23.17	1.31 V	85	44.56	-92.73

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) + 20log(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: 5MHz	**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**	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	5070.00	-48.60	-25.00	-23.60	1.61 H	218	44.20	-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	5070.00	-48.44	-25.00	-23.44	1.34 V	89	44.36	-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) + 20log(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: 5MHz	**Channel**	CH 21425：2567.5 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	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	5135.00	-48.65	-25.00	-23.65	1.68 H	218	44.08	-92.73
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	5135.00	-48.23	-25.00	-23.23	1.28 V	85	44.50	-92.73

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) + 20log(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 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**	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	5020.00	-48.79	-25.00	-23.79	1.64 H	215	43.97	-92.76
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	-48.09	-25.00	-23.09	1.26 V	86	44.67	-92.76

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) + 20log(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**	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	5070.00	-48.41	-25.00	-23.41	1.60 H	212	44.39	-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	5070.00	-47.98	-25.00	-22.98	1.36 V	89	44.82	-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) + 20log(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**	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	5120.00	-48.86	-25.00	-23.86	1.64 H	213	43.89	-92.75
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	-48.18	-25.00	-23.18	1.27 V	92	44.57	-92.75

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) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

7.3.9 LTE Band 12

RF Mode	LTE Band 12 Channel Bandwidth: 1.4MHz	**Channel**	CH 23017：699.7 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	1399.40	-58.53	-13.00	-45.53	1.62 H	126	45.95	-104.48
2	2099.10	-48.76	-13.00	-35.76	1.26 H	244	53.47	-102.23
3	2798.80	-54.82	-13.00	-41.82	1.64 H	122	45.54	-100.36
4	3498.50	-45.92	-13.00	-32.92	2.19 H	93	52.92	-98.84
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	1399.40	-56.18	-13.00	-43.18	1.31 V	262	48.30	-104.48
2	2099.10	-38.22	-13.00	-25.22	1.54 V	223	64.01	-102.23
3	2798.80	-53.29	-13.00	-40.29	1.29 V	258	47.07	-100.36
4	3498.50	-35.97	-13.00	-22.97	2.48 V	246	62.87	-98.84

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) + 20log(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: 1.4MHz	**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**	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	1415.00	-58.61	-13.00	-45.61	1.61 H	121	45.85	-104.46
2	2122.50	-48.47	-13.00	-35.47	1.24 H	249	53.72	-102.19
3	2830.00	-54.63	-13.00	-41.63	1.55 H	128	45.62	-100.25
4	3537.50	-45.48	-13.00	-32.48	2.16 H	95	53.24	-98.72
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	-56.13	-13.00	-43.13	1.33 V	265	48.33	-104.46
2	2122.50	-38.03	-13.00	-25.03	1.59 V	216	64.16	-102.19
3	2830.00	-53.18	-13.00	-40.18	1.23 V	260	47.07	-100.25
4	3537.50	-35.67	-13.00	-22.67	2.44 V	248	63.05	-98.72

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) + 20log(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: 1.4MHz	**Channel**	CH 23173：715.3 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	1430.60	-58.54	-13.00	-45.54	1.53 H	120	45.91	-104.45
2	2145.90	-48.52	-13.00	-35.52	1.22 H	245	53.62	-102.14
3	2861.20	-54.41	-13.00	-41.41	1.62 H	123	45.74	-100.15
4	3576.50	-45.63	-13.00	-32.63	2.15 H	97	52.97	-98.60
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	1430.60	-55.99	-13.00	-42.99	1.24 V	266	48.46	-104.45
2	2145.90	-38.15	-13.00	-25.15	1.55 V	220	63.99	-102.14
3	2861.20	-53.01	-13.00	-40.01	1.29 V	256	47.14	-100.15
4	3576.50	-35.67	-13.00	-22.67	2.43 V	246	62.93	-98.60

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) + 20log(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: 5MHz	**Channel**	CH 23035：701.5 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	1403.00	-58.70	-13.00	-45.70	1.58 H	119	45.78	-104.48
2	2104.50	-48.67	-13.00	-35.67	1.29 H	248	53.55	-102.22
3	2806.00	-54.54	-13.00	-41.54	1.63 H	124	45.79	-100.33
4	3507.50	-45.56	-13.00	-32.56	2.14 H	93	53.25	-98.81
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	1403.00	-56.17	-13.00	-43.17	1.25 V	261	48.31	-104.48
2	2104.50	-37.90	-13.00	-24.90	1.62 V	219	64.32	-102.22
3	2806.00	-52.91	-13.00	-39.91	1.26 V	260	47.42	-100.33
4	3507.50	-35.92	-13.00	-22.92	2.41 V	243	62.89	-98.81

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) + 20log(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: 5MHz	**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**	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	1415.00	-58.53	-13.00	-45.53	1.58 H	125	45.93	-104.46
2	2122.50	-48.73	-13.00	-35.73	1.30 H	248	53.46	-102.19
3	2830.00	-54.62	-13.00	-41.62	1.65 H	128	45.63	-100.25
4	3537.50	-45.74	-13.00	-32.74	2.23 H	98	52.98	-98.72
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	-56.09	-13.00	-43.09	1.24 V	267	48.37	-104.46
2	2122.50	-38.03	-13.00	-25.03	1.61 V	222	64.16	-102.19
3	2830.00	-52.95	-13.00	-39.95	1.27 V	262	47.30	-100.25
4	3537.50	-35.86	-13.00	-22.86	2.48 V	243	62.86	-98.72

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) + 20log(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: 5MHz	**Channel**	CH 23155：713.5 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	1427.00	-58.60	-13.00	-45.60	1.63 H	126	45.85	-104.45
2	2140.50	-48.77	-13.00	-35.77	1.29 H	247	53.38	-102.15
3	2854.00	-54.56	-13.00	-41.56	1.61 H	122	45.61	-100.17
4	3567.50	-45.69	-13.00	-32.69	2.21 H	96	52.94	-98.63
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	1427.00	-56.08	-13.00	-43.08	1.30 V	263	48.37	-104.45
2	2140.50	-37.93	-13.00	-24.93	1.59 V	218	64.22	-102.15
3	2854.00	-53.10	-13.00	-40.10	1.31 V	260	47.07	-100.17
4	3567.50	-35.57	-13.00	-22.57	2.44 V	243	63.06	-98.63

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) + 20log(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 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**	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	1408.00	-58.66	-13.00	-45.66	1.61 H	126	45.81	-104.47
2	2112.00	-48.59	-13.00	-35.59	1.29 H	245	53.62	-102.21
3	2816.00	-54.82	-13.00	-41.82	1.62 H	128	45.47	-100.29
4	3520.00	-45.73	-13.00	-32.73	2.16 H	99	53.05	-98.78
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	1408.00	-56.06	-13.00	-43.06	1.34 V	260	48.41	-104.47
2	2112.00	-38.01	-13.00	-25.01	1.62 V	223	64.20	-102.21
3	2816.00	-52.97	-13.00	-39.97	1.30 V	256	47.32	-100.29
4	3520.00	-35.92	-13.00	-22.92	2.50 V	243	62.86	-98.78

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) + 20log(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 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**	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	1415.00	-58.27	-13.00	-45.27	1.56 H	122	46.19	-104.46
2	2122.50	-48.32	-13.00	-35.32	1.28 H	243	53.87	-102.19
3	2830.00	-54.33	-13.00	-41.33	1.63 H	124	45.92	-100.25
4	3537.50	-45.30	-13.00	-32.30	2.13 H	99	53.42	-98.72
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	-55.72	-13.00	-42.72	1.34 V	260	48.74	-104.46
2	2122.50	-37.74	-13.00	-24.74	1.58 V	218	64.45	-102.19
3	2830.00	-52.69	-13.00	-39.69	1.28 V	260	47.56	-100.25
4	3537.50	-35.54	-13.00	-22.54	2.42 V	243	63.18	-98.72

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) + 20log(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**	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	-58.70	-13.00	-45.70	1.60 H	122	45.76	-104.46
2	2133.00	-48.57	-13.00	-35.57	1.31 H	242	53.59	-102.16
3	2844.00	-54.52	-13.00	-41.52	1.63 H	125	45.68	-100.20
4	3555.00	-45.44	-13.00	-32.44	2.15 H	95	53.23	-98.67
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	-55.97	-13.00	-42.97	1.34 V	267	48.49	-104.46
2	2133.00	-38.13	-13.00	-25.13	1.60 V	220	64.03	-102.16
3	2844.00	-52.77	-13.00	-39.77	1.28 V	258	47.43	-100.20
4	3555.00	-35.61	-13.00	-22.61	2.50 V	243	63.06	-98.67

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) + 20log(D) – 104.8 – 2.15
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

7.3.10 LTE Band 14

RF Mode	LTE Band 14 Channel Bandwidth: 5MHz	**Channel**	CH 23305：790.5 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	1581.00	-54.45	-40.00	-14.45	2.04 H	247	47.64	-102.09
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	1581.00	-48.51	-40.00	-8.51	2.05 V	276	53.58	-102.09

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) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	LTE Band 14 Channel Bandwidth: 5MHz	**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**	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	1586.00	-54.70	-40.00	-14.70	2.05 H	253	47.39	-102.09
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	1586.00	-48.22	-40.00	-8.22	2.05 V	274	53.87	-102.09

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) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

RF Mode	LTE Band 14 Channel Bandwidth: 5MHz	**Channel**	CH 23355：795.5 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	1591.00	-54.51	-40.00	-14.51	2.05 H	248	47.56	-102.07
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	1591.00	-48.35	-40.00	-8.35	2.06 V	273	53.72	-102.07

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) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

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**	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	1586.00	-54.34	-40.00	-14.34	1.98 H	251	47.75	-102.09
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	**1586.00**	**-48.01**	**-40.00**	**-8.01**	**2.12 V**	**277**	**54.08**	**-102.09**

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) + 20log(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: 5MHz	**Channel**	CH 23755：706.5 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	1413.00	-57.32	-13.00	-44.32	1.00 H	317	47.15	-104.47
2	2119.50	-47.71	-13.00	-34.71	3.32 H	126	54.48	-102.19
3	2826.00	-54.57	-13.00	-41.57	3.31 H	113	45.69	-100.26
4	3532.50	-45.95	-13.00	-32.95	3.13 H	95	52.79	-98.74
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	1413.00	-50.98	-13.00	-37.98	1.27 V	259	53.49	-104.47
2	2119.50	-40.54	-13.00	-27.54	1.29 V	256	61.65	-102.19
3	2826.00	-52.20	-13.00	-39.20	1.28 V	262	48.06	-100.26
4	3532.50	-34.69	-13.00	-21.69	2.24 V	252	64.05	-98.74

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) + 20log(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: 5MHz	**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	-57.16	-13.00	-44.16	1.00 H	313	47.30	-104.46
2	2130.00	-47.83	-13.00	-34.83	3.33 H	121	54.34	-102.17
3	2840.00	-54.06	-13.00	-41.06	3.25 H	112	46.15	-100.21
4	3550.00	-45.25	-13.00	-32.25	3.09 H	101	53.44	-98.69
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	-51.38	-13.00	-38.38	1.26 V	257	53.08	-104.46
2	2130.00	-40.51	-13.00	-27.51	1.19 V	257	61.66	-102.17
3	2840.00	-51.77	-13.00	-38.77	1.22 V	261	48.44	-100.21
4	3550.00	-34.93	-13.00	-21.93	2.29 V	254	63.76	-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) + 20log(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: 5MHz	**Channel**	CH 23825：713.5 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	1427.00	-57.85	-13.00	-44.85	1.00 H	314	46.60	-104.45
2	2140.50	-47.36	-13.00	-34.36	3.32 H	123	54.79	-102.15
3	2854.00	-54.71	-13.00	-41.71	3.23 H	117	45.46	-100.17
4	3567.50	-45.54	-13.00	-32.54	3.13 H	99	53.09	-98.63
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	1427.00	-51.43	-13.00	-38.43	1.19 V	259	53.02	-104.45
2	2140.50	-40.15	-13.00	-27.15	1.29 V	262	62.00	-102.15
3	2854.00	-51.88	-13.00	-38.88	1.22 V	258	48.29	-100.17
4	3567.50	-34.77	-13.00	-21.77	2.21 V	251	63.86	-98.63

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) + 20log(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 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	-57.25	-13.00	-44.25	1.02 H	313	47.21	-104.46
2	2127.00	-47.57	-13.00	-34.57	3.35 H	125	54.61	-102.18
3	2836.00	-54.27	-13.00	-41.27	3.32 H	117	45.96	-100.23
4	3545.00	-45.98	-13.00	-32.98	3.12 H	95	52.72	-98.70
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	-50.70	-13.00	-37.70	1.21 V	258	53.76	-104.46
2	2127.00	-40.52	-13.00	-27.52	1.20 V	262	61.66	-102.18
3	2836.00	-52.19	-13.00	-39.19	1.27 V	256	48.04	-100.23
4	3545.00	-35.22	-13.00	-22.22	2.26 V	253	63.48	-98.70

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) + 20log(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 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	-56.87	-13.00	-43.87	1.01 H	317	47.59	-104.46
2	2130.00	-46.96	-13.00	-33.96	3.34 H	121	55.21	-102.17
3	2840.00	-53.91	-13.00	-40.91	4.00 H	113	46.30	-100.21
4	3550.00	-44.97	-13.00	-31.97	3.08 H	94	53.72	-98.69
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	-50.45	-13.00	-37.45	1.24 V	260	54.01	-104.46
2	2130.00	-40.05	-13.00	-27.05	1.24 V	263	62.12	-102.17
3	2840.00	-51.66	-13.00	-38.66	1.26 V	258	48.55	-100.21
4	3550.00	-34.47	-13.00	-21.47	2.24 V	247	64.22	-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) + 20log(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	-57.78	-13.00	-44.78	1.00 H	320	46.68	-104.46
2	2133.00	-47.80	-13.00	-34.80	3.26 H	121	54.36	-102.16
3	2844.00	-54.66	-13.00	-41.66	3.24 H	119	45.54	-100.20
4	3555.00	-45.27	-13.00	-32.27	3.08 H	98	53.40	-98.67
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	-50.86	-13.00	-37.86	1.18 V	260	53.60	-104.46
2	2133.00	-40.88	-13.00	-27.88	1.24 V	256	61.28	-102.16
3	2844.00	-52.61	-13.00	-39.61	1.26 V	256	47.59	-100.20
4	3555.00	-35.41	-13.00	-22.41	2.29 V	253	63.26	-98.67

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) + 20log(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: 1.4MHz	**Channel**	CH 26047：1850.7 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	3701.40	-51.88	-13.00	-38.88	1.74 H	187	43.95	-95.83
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	3701.40	-51.24	-13.00	-38.24	1.25 V	75	44.59	-95.83

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) + 20log(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: 1.4MHz	**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**	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	3765.00	-51.50	-13.00	-38.50	1.67 H	180	43.99	-95.49
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	-50.90	-13.00	-37.90	1.28 V	72	44.59	-95.49

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) + 20log(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: 1.4MHz	**Channel**	CH 26683：1914.3 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	3828.60	-51.30	-13.00	-38.30	1.76 H	181	43.88	-95.18
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	3828.60	-50.60	-13.00	-37.60	1.30 V	77	44.58	-95.18

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) + 20log(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: 5MHz	**Channel**	CH 26065：1852.5 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	3705.00	-51.93	-13.00	-38.93	1.75 H	182	43.88	-95.81
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	3705.00	-51.46	-13.00	-38.46	1.27 V	78	44.35	-95.81

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) + 20log(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: 5MHz	**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**	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	3765.00	-51.70	-13.00	-38.70	1.75 H	187	43.79	-95.49
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	-51.16	-13.00	-38.16	1.24 V	75	44.33	-95.49

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) + 20log(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: 5MHz	**Channel**	CH 26665：1912.5 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	3825.00	-51.42	-13.00	-38.42	1.69 H	183	43.78	-95.20
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	3825.00	-50.82	-13.00	-37.82	1.24 V	73	44.38	-95.20

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) + 20log(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 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**	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	3720.00	-51.87	-13.00	-38.87	1.71 H	180	43.86	-95.73
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	-51.39	-13.00	-38.39	1.31 V	77	44.34	-95.73

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) + 20log(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**	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	3765.00	-51.28	-13.00	-38.28	1.70 H	184	44.21	-95.49
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	-50.73	-13.00	-37.73	1.30 V	72	44.76	-95.49

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) + 20log(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**	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	3810.00	-51.51	-13.00	-38.51	1.71 H	182	43.76	-95.27
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	-50.94	-13.00	-37.94	1.21 V	74	44.33	-95.27

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) + 20log(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 (814 MHz ~ 824 MHz) Channel Bandwidth: 1.4MHz	**Channel**	CH 26697：814.7 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	1629.40	-56.53	-13.00	-43.53	1.48 H	304	47.60	-104.13
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	1629.40	-54.47	-13.00	-41.47	1.28 V	252	49.66	-104.13

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) + 20log(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 (814 MHz ~ 824 MHz) Channel Bandwidth: 1.4MHz	**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**	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	1638.00	-56.07	-13.00	-43.07	1.44 H	300	48.03	-104.10
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	-54.43	-13.00	-41.43	1.33 V	251	49.67	-104.10

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) + 20log(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 (814 MHz ~ 824 MHz) Channel Bandwidth: 1.4MHz	**Channel**	CH 26783：823.3 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	1646.60	-56.27	-13.00	-43.27	1.46 H	300	47.81	-104.08
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	1646.60	-53.62	-13.00	-40.62	1.30 V	254	50.46	-104.08

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) + 20log(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 (814 MHz ~ 824 MHz) Channel Bandwidth: 5MHz	**Channel**	CH 26715：816.5 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	1633.00	-56.84	-13.00	-43.84	1.45 H	304	47.28	-104.12
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	1633.00	-54.35	-13.00	-41.35	1.33 V	248	49.77	-104.12

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) + 20log(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 (814 MHz ~ 824 MHz) Channel Bandwidth: 5MHz	**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**	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	1638.00	-56.18	-13.00	-43.18	1.48 H	299	47.92	-104.10
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	-53.90	-13.00	-40.90	1.32 V	250	50.20	-104.10

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) + 20log(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 (814 MHz ~ 824 MHz) Channel Bandwidth: 5MHz	**Channel**	CH 26765：821.5 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	1643.00	-56.49	-13.00	-43.49	1.49 H	300	47.61	-104.10
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	1643.00	-54.03	-13.00	-41.03	1.33 V	250	50.07	-104.10

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) + 20log(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 (814 MHz ~ 824 MHz) 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**	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	1638.00	-55.95	-13.00	-42.95	1.43 H	304	48.15	-104.10
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	-53.49	-13.00	-40.49	1.28 V	255	50.61	-104.10

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) + 20log(D) – 104.8 – 2.15
3. Margin value = ERP – Limit value
4. 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 (824 MHz ~ 849 MHz) Channel Bandwidth: 1.4MHz	**Channel**	CH 26797：824.7 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	1649.40	-58.53	-13.00	-45.53	1.76 H	45	45.54	-104.07
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	1649.40	-57.65	-13.00	-44.65	1.46 V	207	46.42	-104.07

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) + 20log(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 (824 MHz ~ 849 MHz) Channel Bandwidth: 1.4MHz	**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**	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	1673.00	-58.88	-13.00	-45.88	1.78 H	44	45.18	-104.06
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	1673.00	-57.16	-13.00	-44.16	1.46 V	212	46.90	-104.06

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) + 20log(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 (824 MHz ~ 849 MHz) Channel Bandwidth: 1.4MHz	**Channel**	CH 27033：848.3 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	1696.60	-59.22	-13.00	-46.22	1.80 H	47	44.83	-104.05
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	1696.60	-57.56	-13.00	-44.56	1.51 V	212	46.49	-104.05

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) + 20log(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 (824 MHz ~ 849 MHz) Channel Bandwidth: 5MHz	**Channel**	CH 26815：826.5 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	1653.00	-59.25	-13.00	-46.25	1.77 H	41	44.82	-104.07
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	1653.00	-57.61	-13.00	-44.61	1.53 V	205	46.46	-104.07

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) + 20log(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 (824 MHz ~ 849 MHz) Channel Bandwidth: 5MHz	**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**	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	1673.00	-58.89	-13.00	-45.89	1.74 H	41	45.17	-104.06
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	1673.00	-57.18	-13.00	-44.18	1.54 V	210	46.88	-104.06

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) + 20log(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 (824 MHz ~ 849 MHz) Channel Bandwidth: 5MHz	**Channel**	CH 27015：846.5 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	1693.00	-59.07	-13.00	-46.07	1.77 H	48	44.98	-104.05
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	1693.00	-57.69	-13.00	-44.69	1.55 V	211	46.36	-104.05

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) + 20log(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 (824 MHz ~ 849 MHz) 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**	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	1663.00	-58.41	-13.00	-45.41	1.81 H	45	45.66	-104.07
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	-57.50	-13.00	-44.50	1.55 V	209	46.57	-104.07

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) + 20log(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 (824 MHz ~ 849 MHz) 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**	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	1673.00	-58.27	-13.00	-45.27	1.74 H	47	45.79	-104.06
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	1673.00	-56.95	-13.00	-43.95	1.52 V	212	47.11	-104.06

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) + 20log(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 (824 MHz ~ 849 MHz) 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**	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	1683.00	-58.84	-13.00	-45.84	1.76 H	44	45.21	-104.05
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	-57.87	-13.00	-44.87	1.53 V	208	46.18	-104.05

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) + 20log(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 66

RF Mode	LTE Band 66 Channel Bandwidth: 1.4MHz	**Channel**	CH 131979：1710.7 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	3421.40	-51.39	-13.00	-38.39	1.14 H	97	45.47	-96.86
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	3421.40	-47.56	-13.00	-34.56	1.81 V	267	49.30	-96.86

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) + 20log(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: 1.4MHz	**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**	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	3490.00	-51.02	-13.00	-38.02	1.14 H	102	45.70	-96.72
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	-48.99	-13.00	-35.99	1.73 V	264	47.73	-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) + 20log(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: 1.4MHz	**Channel**	CH 132665：1779.3 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	3558.60	-50.78	-13.00	-37.78	1.19 H	96	45.74	-96.52
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	3558.60	-45.42	-13.00	-32.42	1.81 V	260	51.10	-96.52

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) + 20log(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: 5MHz	**Channel**	CH 131997：1712.5 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	3425.00	-51.18	-13.00	-38.18	1.16 H	97	45.69	-96.87
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	3425.00	-46.93	-13.00	-33.93	1.79 V	281	49.94	-96.87

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) + 20log(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: 5MHz	**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**	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	3490.00	-51.14	-13.00	-38.14	1.14 H	99	45.58	-96.72
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	-47.47	-13.00	-34.47	1.92 V	264	49.25	-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) + 20log(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: 5MHz	**Channel**	CH 132647：1777.5 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	3555.00	-50.91	-13.00	-37.91	1.15 H	97	45.61	-96.52
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	3555.00	-45.26	-13.00	-32.26	1.86 V	252	51.26	-96.52

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) + 20log(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 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**	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	3440.00	-51.09	-13.00	-38.09	1.14 H	102	45.80	-96.89
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	3440.00	-46.96	-13.00	-33.96	1.82 V	285	49.93	-96.89

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) + 20log(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**	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	3490.00	-50.82	-13.00	-37.82	1.12 H	95	45.90	-96.72
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	-45.32	-13.00	-32.32	1.89 V	264	51.40	-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) + 20log(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**	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	3540.00	-50.85	-13.00	-37.85	1.15 H	99	45.71	-96.56
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	-45.52	-13.00	-32.52	1.96 V	263	51.04	-96.56

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) + 20log(D) – 104.8
3. Margin value = EIRP – Limit value
4. The other EIRP 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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