

TEST REPORT

CERTIFICATE OF CONFORMITY

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

Report No.: RFCDVB-WTW-P25040437

FCC ID: QYLFN990V12

Product: 5G NR Module

Brand: Getac

Model No.: FN990A28

Received Date: 2025/4/21

Test Date: 2025/6/13 ~ 2025/6/26

Issued Date: 2025/7/11

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Prepared by : Vera Huang / Specialist

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Table of Contents

Release Control Record	4
1 Certificate.....	5
2 Summary of Test Results	6
2.1 Measurement Uncertainty	7
2.2 Supplementary Information	7
3 General Information	8
3.1 General Description of EUT	8
3.2 Antenna Description of EUT	19
3.3 Test Mode Applicability and Tested Channel Detail.....	20
3.3.1 WCDMA Band 2	20
3.3.2 WCDMA Band 4	20
3.3.3 WCDMA Band 5	20
3.3.4 LTE Band 2	21
3.3.5 LTE Band 4	22
3.3.6 LTE Band 5	22
3.3.7 LTE Band 7	23
3.3.8 LTE Band 12	23
3.3.9 LTE Band 13	24
3.3.10 LTE Band 14	24
3.3.11 LTE Band 17	24
3.3.12 LTE Band 25	25
3.3.13 LTE Band 26 (814 MHz ~ 824 MHz).....	25
3.3.14 LTE Band 26 (824 MHz ~ 849 MHz).....	26
3.3.15 LTE Band 38	26
3.3.16 LTE Band 41	27
3.3.17 LTE Band 42 (3.45 GHz ~ 3.55 GHz)	27
3.3.18 LTE Band 66	28
3.3.19 LTE Band 71	28
3.4 Test Program Used and Operation Descriptions	29
3.5 Connection Diagram of EUT and Peripheral Devices	29
3.6 Configuration of Peripheral Devices and Cable Connections	29
4 Test Instruments	30
4.1 Effective Radiated Power and Equivalent Isotropically Radiated Power	30
4.2 Radiated Spurious Emissions below 1GHz.....	30
4.3 Radiated Spurious Emissions above 1GHz	31
5 Limits of Test Items.....	32
5.1 Effective Radiated Power and Equivalent Isotropically Radiated Power	32
5.2 Radiated Spurious Emissions below 1GHz.....	33
5.3 Radiated Spurious Emissions above 1GHz	34
6 Test Arrangements.....	35
6.1 Effective Radiated Power and Equivalent Isotropically Radiated Power	35
6.1.1 Test Setup	35
6.1.2 Test Procedure	35
6.2 Radiated Spurious Emissions below 1GHz.....	37
6.2.1 Test Setup	37
6.2.2 Test Procedure	38
6.3 Radiated Spurious Emissions above 1GHz	39
6.3.1 Test Setup	39
6.3.2 Test Procedure	39
7 Test Results of Test Item	40
7.1 Effective Radiated Power and Equivalent Isotropically Radiated Power	40
7.1.1 WCDMA Band 2	40
7.1.2 WCDMA Band 4	41

7.1.3	WCDMA Band 5	42
7.1.4	LTE Band 2	43
7.1.5	LTE Band 4	55
7.1.6	LTE Band 5	67
7.1.7	LTE Band 7	75
7.1.8	LTE Band 12	83
7.1.9	LTE Band 13	91
7.1.10	LTE Band 14	95
7.1.11	LTE Band 17	99
7.1.12	LTE Band 25	103
7.1.13	LTE Band 26 (814 MHz ~ 824 MHz)	115
7.1.14	LTE Band 26 (824 MHz ~ 849 MHz)	123
7.1.15	LTE Band 38	133
7.1.16	LTE Band 41	141
7.1.17	LTE Band 42 (3.45 GHz ~ 3.55 GHz)	157
7.1.18	LTE Band 66	165
7.1.19	LTE Band 71	177
7.2	Radiated Spurious Emissions below 1GHz	185
7.2.1	WCDMA Band 2	185
7.2.2	WCDMA Band 4	187
7.2.3	WCDMA Band 5	189
7.2.4	LTE Band 2	191
7.2.5	LTE Band 4	193
7.2.6	LTE Band 5	195
7.2.7	LTE Band 7	197
7.2.8	LTE Band 12	199
7.2.9	LTE Band 13	201
7.2.10	LTE Band 14	203
7.2.11	LTE Band 17	205
7.2.12	LTE Band 25	207
7.2.13	LTE Band 26 (814 MHz ~ 824 MHz)	209
7.2.14	LTE Band 26 (824 MHz ~ 849 MHz)	211
7.2.15	LTE Band 38	213
7.2.16	LTE Band 41	215
7.2.17	LTE Band 42 (3.45 GHz ~ 3.55 GHz)	217
7.2.18	LTE Band 66	219
7.2.19	LTE Band 71	221
7.3	Radiated Spurious Emissions above 1GHz	223
7.3.1	WCDMA Band 2	223
7.3.2	WCDMA Band 4	226
7.3.3	WCDMA Band 5	229
7.3.4	LTE Band 2	232
7.3.5	LTE Band 4	235
7.3.6	LTE Band 5	238
7.3.7	LTE Band 7	241
7.3.8	LTE Band 12	244
7.3.9	LTE Band 13	247
7.3.10	LTE Band 14	248
7.3.11	LTE Band 17	249
7.3.12	LTE Band 25	252
7.3.13	LTE Band 26 (814 MHz ~ 824 MHz)	255
7.3.14	LTE Band 26 (824 MHz ~ 849 MHz)	256
7.3.15	LTE Band 38	259
7.3.16	LTE Band 41	262
7.3.17	LTE Band 42 (3.45 GHz ~ 3.55 GHz)	265
7.3.18	LTE Band 66	271
7.3.19	LTE Band 71	274
8	Pictures of Test Arrangements	277
9	Information of the Testing Laboratories	278

Release Control Record

Issue No.	Description	Date Issued
RFCDVB-WTW-P25040437	Original Release	2025/7/11

1 Certificate

Product: 5G NR Module

Brand: Getac

Test Model: FN990A28

Sample Status: Engineering sample

Applicant: Getac Technology Corporation.

Test Date: 2025/6/13 ~ 2025/6/26

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

Measurement ANSI/TIA/EIA-603-E 2016

procedure: ANSI C63.26-2015

KDB 971168 D01 Power Meas License Digital Systems v03r01

KDB 971168 D02 Misc Rev Approv License Devices v02r02

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

2 Summary of Test Results

Standard / Clause	Test Item	Result	Remark
Part 2.1046 Part 22.913 (a) Part 24.232 (c) Part 27.50(d) Part 27.50(h) Part 27.50(c) Part 27.50(b) Part 27.50(k) Part 90.635(b) Part 90.542(a)(7)	Effective Radiated Power and Equivalent Isotropically Radiated Power	Pass	Meet the requirement of limit.
Part 2.1047	Modulation Characteristics	N/A	Refer to Note
Part 22.913 (d) Part 24.232 (d) Part 27.50(d) Part 27.50(k)(4)	Peak to Average Ratio	N/A	Refer to Note
Part 2.1049	Bandwidth	N/A	Refer to Note
Part 2.1051 Part 22.917 Part 24.238 Part 27.53(h) Part 27.53(m) Part 27.53(g) Part 27.53(c)(f) Part 27.53(n) Part 90.691 Part 90.543(e)(f)	Conducted Spurious Emissions	N/A	Refer to Note
Part 2.1053 Part 22.917 Part 24.238 Part 27.53(h) Part 27.53(m) Part 27.53(g) Part 27.53(c)(f) Part 27.53(n) Part 90.691 Part 90.543(e)(f)	Radiated Spurious Emissions below 1GHz	Pass	Minimum passing margin is -27.62 dB at 368.53 MHz
Part 2.1053 Part 22.917 Part 24.238 Part 27.53(h) Part 27.53(m) Part 27.53(g) Part 27.53(c)(f) Part 27.53(n) Part 90.691 Part 90.543(e)(f)	Radiated Spurious Emissions above 1GHz	Pass	Minimum passing margin is -11.77 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	N/A	Refer to Note

Note:

- Only test item of Effective Radiated Power and Equivalent Isotropically Radiated Power and Radiated Spurious Emissions were performed for this report. Other testing data please refer to WWAN module (FCC ID: RI7FN990A28) certified report.
- 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	2.93 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	5G NR Module
Brand	Getac
Test Model	FN990A28
Status of EUT	Engineering sample
Power Supply Rating	Refer to note
Modulation Type	WCDMA: RMC 12.2K, HSDPA, HSUPA LTE: QPSK, 16QAM, 64QAM, 256QAM
Support Bands	WCDMA: B2, B4, B5 LTE: B2, B4, B5, B7, B12, B13, B14, B17, B25, B26, B38, B41, B42, B66, B71
PC3 for Power Class	LTE: B41
PC2 for Power Class	LTE: B41

Note:

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

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

2. The End-product uses following accessories.

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

3. EUT Overview

WCDMA Band 2

TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
1852.4 ~ 1907.6	RMC 12.2K	0.116	20.63
	HSDPA	0.113	20.52
	HSUPA	0.113	20.54

WCDMA Band 4

TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
1712.4 ~ 1752.6	RMC 12.2K	0.078	18.9
	HSDPA	0.077	18.85
	HSUPA	0.076	18.83

WCDMA Band 5

TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)
826.4 ~ 846.6	RMC 12.2K	0.143	21.55
	HSDPA	0.141	21.5
	HSUPA	0.140	21.46

LTE Band 2

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
1.4 MHz	1850.7 ~ 1909.3	QPSK	0.128	21.06
		16QAM	0.102	20.10
		64QAM	0.081	19.08
		256QAM	0.041	16.08
3 MHz	1851.5 ~ 1908.5	QPSK	0.129	21.12
		16QAM	0.102	20.09
		64QAM	0.082	19.12
		256QAM	0.041	16.11
5 MHz	1852.5 ~ 1907.5	QPSK	0.13	21.13
		16QAM	0.104	20.17
		64QAM	0.08	19.05
		256QAM	0.041	16.15
10 MHz	1855 ~ 1905	QPSK	0.132	21.20
		16QAM	0.104	20.16
		64QAM	0.081	19.08
		256QAM	0.041	16.15
15 MHz	1857.5 ~ 1902.5	QPSK	0.132	21.20
		16QAM	0.104	20.18
		64QAM	0.083	19.19
		256QAM	0.042	16.25
20 MHz	1860 ~ 1900	QPSK	0.134	21.26
		16QAM	0.105	20.23
		64QAM	0.082	19.15
		256QAM	0.042	16.25

LTE Band 4

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
1.4 MHz	1710.7 ~ 1754.3	QPSK	0.083	19.17
		16QAM	0.066	18.19
		64QAM	0.052	17.14
		256QAM	0.026	14.17
3 MHz	1711.5 ~ 1753.5	QPSK	0.084	19.22
		16QAM	0.067	18.24
		64QAM	0.052	17.18
		256QAM	0.027	14.25
5 MHz	1712.5 ~ 1752.5	QPSK	0.084	19.26
		16QAM	0.067	18.26
		64QAM	0.053	17.26
		256QAM	0.027	14.25
10 MHz	1715 ~ 1750	QPSK	0.085	19.27
		16QAM	0.066	18.22
		64QAM	0.054	17.31
		256QAM	0.027	14.26
15 MHz	1717.5 ~ 1747.5	QPSK	0.086	19.32
		16QAM	0.068	18.31
		64QAM	0.054	17.31
		256QAM	0.027	14.29
20 MHz	1720 ~ 1745	QPSK	0.086	19.34
		16QAM	0.067	18.24
		64QAM	0.054	17.30
		256QAM	0.027	14.31

LTE Band 5

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)
1.4 MHz	824.7 ~ 848.3	QPSK	0.135	21.29
		16QAM	0.107	20.31
		64QAM	0.085	19.29
		256QAM	0.043	16.31
3 MHz	825.5 ~ 847.5	QPSK	0.136	21.33
		16QAM	0.108	20.33
		64QAM	0.086	19.33
		256QAM	0.043	16.31
5 MHz	826.5 ~ 846.5	QPSK	0.136	21.34
		16QAM	0.108	20.34
		64QAM	0.087	19.40
		256QAM	0.043	16.38
10 MHz	829 ~ 844	QPSK	0.139	21.42
		16QAM	0.108	20.34
		64QAM	0.087	19.40
		256QAM	0.043	16.38

LTE Band 7

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
5 MHz	2502.5 ~ 2567.5	QPSK	0.081	19.11
		16QAM	0.065	18.13
		64QAM	0.051	17.09
		256QAM	0.026	14.09
10 MHz	2505 ~ 2565	QPSK	0.082	19.14
		16QAM	0.065	18.15
		64QAM	0.052	17.13
		256QAM	0.026	14.10
15 MHz	2507.5 ~ 2562.5	QPSK	0.083	19.20
		16QAM	0.066	18.20
		64QAM	0.052	17.20
		256QAM	0.026	14.22
20 MHz	2510 ~ 2560	QPSK	0.084	19.25
		16QAM	0.066	18.17
		64QAM	0.052	17.12
		256QAM	0.026	14.17

LTE Band 12

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)
1.4 MHz	699.7 ~ 715.3	QPSK	0.205	23.11
		16QAM	0.163	22.12
		64QAM	0.128	21.07
		256QAM	0.065	18.11
3 MHz	700.5 ~ 714.5	QPSK	0.206	23.13
		16QAM	0.159	22.01
		64QAM	0.13	21.14
		256QAM	0.065	18.15
5 MHz	701.5 ~ 713.5	QPSK	0.208	23.18
		16QAM	0.163	22.12
		64QAM	0.129	21.09
		256QAM	0.066	18.17
10 MHz	704 ~ 711	QPSK	0.208	23.19
		16QAM	0.164	22.15
		64QAM	0.129	21.11
		256QAM	0.065	18.16

LTE Band 13

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)
5 MHz	779.5 ~ 784.5	QPSK	0.161	22.07
		16QAM	0.127	21.03
		64QAM	0.101	20.03
		256QAM	0.051	17.05
10 MHz	782	QPSK	0.162	22.1
		16QAM	0.125	20.98
		64QAM	0.102	20.08
		256QAM	0.051	17.08

LTE Band 14

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)
5 MHz	790.5 ~ 795.5	QPSK	0.155	21.89
		16QAM	0.123	20.91
		64QAM	0.098	19.90
		256QAM	0.049	16.90
10 MHz	793	QPSK	0.156	21.93
		16QAM	0.12	20.79
		64QAM	0.098	19.9
		256QAM	0.049	16.87

LTE Band 17

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)
5 MHz	706.5 ~ 713.5	QPSK	0.201	23.03
		16QAM	0.16	22.05
		64QAM	0.126	21.01
		256QAM	0.064	18.04
10 MHz	709 ~ 711	QPSK	0.202	23.06
		16QAM	0.16	22.03
		64QAM	0.126	21.02
		256QAM	0.064	18.03

LTE Band 25

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
1.4 MHz	1850.7 ~ 1914.3	QPSK	0.125	20.96
		16QAM	0.1	19.98
		64QAM	0.079	18.96
		256QAM	0.04	16.00
3 MHz	1851.5 ~ 1913.5	QPSK	0.126	21.02
		16QAM	0.1	20.00
		64QAM	0.08	19.01
		256QAM	0.04	16.05
5 MHz	1852.5 ~ 1912.5	QPSK	0.128	21.07
		16QAM	0.101	20.04
		64QAM	0.081	19.07
		256QAM	0.04	16.03
10 MHz	1855 ~ 1910	QPSK	0.128	21.08
		16QAM	0.101	20.04
		64QAM	0.081	19.09
		256QAM	0.041	16.09
15 MHz	1857.5 ~ 1907.5	QPSK	0.129	21.11
		16QAM	0.103	20.13
		64QAM	0.083	19.18
		256QAM	0.041	16.17
20 MHz	1860 ~ 1905	QPSK	0.132	21.19
		16QAM	0.104	20.15
		64QAM	0.083	19.18
		256QAM	0.041	16.14

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	0.121	20.84
		16QAM	0.095	19.79
		64QAM	0.076	18.81
		256QAM	0.039	15.88
3 MHz	815.5 ~ 822.5	QPSK	0.123	20.9
		16QAM	0.097	19.87
		64QAM	0.078	18.9
		256QAM	0.039	15.86
5 MHz	816.5 ~ 821.5	QPSK	0.124	20.93
		16QAM	0.099	19.96
		64QAM	0.079	18.96
		256QAM	0.039	15.95
10 MHz	819	QPSK	0.126	20.99
		16QAM	0.098	19.92
		64QAM	0.078	18.91
		256QAM	0.039	15.96

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	0.122	20.88
		16QAM	0.096	19.83
		64QAM	0.077	18.84
		256QAM	0.038	15.80
3 MHz	825.5 ~ 847.5	QPSK	0.123	20.89
		16QAM	0.096	19.82
		64QAM	0.077	18.87
		256QAM	0.038	15.84
5 MHz	826.5 ~ 846.5	QPSK	0.125	20.97
		16QAM	0.097	19.86
		64QAM	0.078	18.90
		256QAM	0.039	15.92
10 MHz	829 ~ 844	QPSK	0.125	20.98
		16QAM	0.099	19.96
		64QAM	0.08	19.01
		256QAM	0.04	16.00
15 MHz	831.5 ~ 841.5	QPSK	0.126	21.02
		16QAM	0.1	19.98
		64QAM	0.08	19.01
		256QAM	0.04	15.97

LTE Band 38

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
5 MHz	2572.5 ~ 2617.5	QPSK	0.101	20.03
		16QAM	0.08	19.01
		64QAM	0.063	18.00
		256QAM	0.032	14.99
10 MHz	2575 ~ 2615	QPSK	0.101	20.04
		16QAM	0.08	19.04
		64QAM	0.063	18.02
		256QAM	0.032	15.02
15 MHz	2577.5 ~ 2612.5	QPSK	0.102	20.09
		16QAM	0.08	19.04
		64QAM	0.064	18.07
		256QAM	0.032	15.07
20 MHz	2580 ~ 2610	QPSK	0.103	20.12
		16QAM	0.081	19.08
		64QAM	0.064	18.06
		256QAM	0.032	15.09

LTE Band 41

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
5 MHz	2498.5 ~ 2687.5	QPSK	0.083	19.21
		16QAM	0.066	18.17
		64QAM	0.052	17.14
		256QAM	0.026	14.20
10 MHz	2501 ~ 2685	QPSK	0.153	21.84
		16QAM	0.119	20.76
		64QAM	0.095	19.8
		256QAM	0.048	16.85
15 MHz	2503.5 ~ 2682.5	QPSK	0.153	21.86
		16QAM	0.123	20.9
		64QAM	0.097	19.89
		256QAM	0.048	16.82
20 MHz	2506 ~ 2680	QPSK	0.156	21.92
		16QAM	0.122	20.87
		64QAM	0.097	19.89
		256QAM	0.049	16.89

LTE Band 42 (3.45 GHz ~ 3.55 GHz)

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
5 MHz	3452.5 ~ 3547.5	QPSK	0.038	15.79
		16QAM	0.03	14.77
		64QAM	0.024	13.75
		256QAM	0.012	10.79
10 MHz	3455 ~ 3545	QPSK	0.038	15.81
		16QAM	0.03	14.83
		64QAM	0.024	13.87
		256QAM	0.012	10.87
15 MHz	3457.5 ~ 3542.5	QPSK	0.038	15.85
		16QAM	0.031	14.87
		64QAM	0.024	13.83
		256QAM	0.012	10.84
20 MHz	3460 ~ 3540	QPSK	0.039	15.94
		16QAM	0.031	14.91
		64QAM	0.024	13.84
		256QAM	0.012	10.89

LTE Band 66

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
1.4 MHz	1710.7 ~ 1779.3	QPSK	0.078	18.93
		16QAM	0.062	17.92
		64QAM	0.048	16.80
		256QAM	0.025	13.90
3 MHz	1711.5 ~ 1778.5	QPSK	0.078	18.94
		16QAM	0.061	17.88
		64QAM	0.049	16.92
		256QAM	0.025	13.91
5 MHz	1712.5 ~ 1777.5	QPSK	0.079	18.95
		16QAM	0.061	17.88
		64QAM	0.049	16.94
		256QAM	0.025	13.94
10 MHz	1715 ~ 1775	QPSK	0.079	18.96
		16QAM	0.062	17.93
		64QAM	0.05	16.95
		256QAM	0.025	13.98
15 MHz	1717.5 ~ 1772.5	QPSK	0.079	19.00
		16QAM	0.063	17.96
		64QAM	0.05	16.97
		256QAM	0.025	13.98
20 MHz	1720 ~ 1770	QPSK	0.08	19.02
		16QAM	0.063	17.99
		64QAM	0.05	16.96
		256QAM	0.025	13.99

LTE Band 71

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)
5 MHz	665.5 ~ 695.5	QPSK	0.222	23.47
		16QAM	0.175	22.43
		64QAM	0.141	21.48
		256QAM	0.07	18.48
10 MHz	668 ~ 693	QPSK	0.224	23.5
		16QAM	0.178	22.51
		64QAM	0.14	21.47
		256QAM	0.071	18.51
15 MHz	670.5 ~ 690.5	QPSK	0.225	23.53
		16QAM	0.178	22.51
		64QAM	0.141	21.49
		256QAM	0.071	18.52
20 MHz	673 ~ 688	QPSK	0.226	23.54
		16QAM	0.178	22.5
		64QAM	0.142	21.51
		256QAM	0.071	18.52

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

3.2 Antenna Description of EUT

Antenna Type	Antenna Connector	Band	Peak Gain (dBi)			
			Ant 0 (MAIN)	Ant 2 (AUX)	Ant 1 (MIMO1)	Ant 3 (MIMO2)
PIFA	Ant 0/2/3: IPEX I Ant 1: IPEX (NGFF)	WCDMA Band 2 / LTE Band 2	1.81	1.93	-	-
		WCDMA Band 4 / LTE Band 4	1.03	-	-	-
		WCDMA Band 5 / LTE Band 5	0.74	-	-	-
		LTE Band 7	1.99	-0.08	-	-
		LTE Band 12	2.39	-	-	-
		LTE Band 13	2.47	-	-	-
		LTE Band 14	1.63	-	-	-
		LTE Band 17	2	-	-	-
		LTE Band 25	1.81	2.29	-	-
		LTE Band 26 (814 MHz ~ 824 MHz)	0.74	-	-	-
		LTE Band 26 (824 MHz ~ 849 MHz)	0.74	-	-	-
		LTE Band 38	0.69	-1.22	-0.26	-1.19
		LTE Band 41	1.99	-0.08	0.44	-0.22
		LTE Band 42	1.51	-0.48	2.57	2.46
		LTE Band 66	1.03	-	-	-
		LTE Band 71	2.4	-	-	-

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

*Only LTE Band 42 was fixed on Ant. 3, other bands were fixed on Ant. 0

3.3 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. EUT can be used in the following ways: X-axis / Y-axis / Z-axis / NB-axis. Pre-scan these ways and find the worst case as a representative test condition. 2. Pre-scan Battery 1 / Battery 2 and find the worst case as a representative test condition.
Worst Case:	1. X-axis / Y-axis / Z-axis / NB-axis Worst Condition: NB-axis 2. Battery Worst Condition: Battery 1

3.3.1 WCDMA Band 2

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

3.3.2 WCDMA Band 4

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

3.3.3 WCDMA Band 5

Test Item	Tested Channel	Mode
Effective Radiated Power	4132 (826.40 MHz)	WCDMA
	4182 (836.40 MHz)	HSDPA
	4233 (846.60 MHz)	HSUPA
Radiated Spurious Emissions below 1GHz	4233 (846.60 MHz)	WCDMA
Radiated Spurious Emissions above 1GHz	4132 (826.40 MHz)	WCDMA
	4182 (836.40 MHz)	
	4233 (846.60 MHz)	

3.3.4 LTE Band 2

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	18607(1850.70 MHz) 18900(1880.00 MHz) 19193(1909.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	18615(1851.50 MHz) 18900(1880.00 MHz) 19185(1908.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	18625(1852.50 MHz) 18900(1880.00 MHz) 19175(1907.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	18650(1855.00 MHz) 18900(1880.00 MHz) 19150(1905.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	18675(1857.50 MHz) 18900(1880.00 MHz) 19125(1902.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	18700(1860.00 MHz) 18900(1880.00 MHz) 19100(1900.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Radiated Spurious Emissions below 1GHz	18700(1860.00 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	18700(1860.00 MHz) 18900(1880.00 MHz) 19100(1900.00 MHz)	20 MHz	QPSK	1 RB

3.3.5 LTE Band 4

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	19957(1710.70 MHz) 20175(1732.50 MHz) 20393(1754.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	19965(1711.50 MHz) 20175(1732.50 MHz) 20385(1753.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	19975(1712.50 MHz) 20175(1732.50 MHz) 20375(1752.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	20000(1715.00 MHz) 20175(1732.50 MHz) 20350(1750.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	20025(1717.50 MHz) 20175(1732.50 MHz) 20325(1747.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	20050(1720.00 MHz) 20175(1732.50 MHz) 20300(1745.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Radiated Spurious Emissions below 1GHz	20050(1720.00 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	20050(1720.00 MHz) 20175(1732.50 MHz) 20300(1745.00 MHz)	20 MHz	QPSK	1 RB

3.3.6 LTE Band 5

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	20407(824.70 MHz) 20525(836.50 MHz) 20643(848.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	20415(825.50 MHz) 20525(836.50 MHz) 20635(847.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	20425(826.50 MHz) 20525(836.50 MHz) 20625(846.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	20450(829.00 MHz) 20525(836.50 MHz) 20600(844.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Radiated Spurious Emissions below 1GHz	20450(829.00 MHz)	10 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	20450(829.00 MHz) 20525(836.50 MHz) 20600(844.00 MHz)	10 MHz	QPSK	1 RB

3.3.7 LTE Band 7

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	20775(2502.50 MHz) 21100(2535.00 MHz) 21425(2567.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	20800(2505.00 MHz) 21100(2535.00 MHz) 21400(2565.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	20825(2507.50 MHz) 21100(2535.00 MHz) 21375(2562.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	20850(2510.00 MHz) 21100(2535.00 MHz) 21350(2560.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Radiated Spurious Emissions below 1GHz	21350(2560.00 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	20850(2510.00 MHz) 21100(2535.00 MHz) 21350(2560.00 MHz)	20 MHz	QPSK	1 RB

3.3.8 LTE Band 12

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	23017(699.70 MHz) 23095(707.50 MHz) 23173(715.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	23025(700.50 MHz) 23095(707.50 MHz) 23165(714.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	23035(701.50 MHz) 23095(707.50 MHz) 23155(713.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	23060(704.00 MHz) 23095(707.50 MHz) 23130(711.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Radiated Spurious Emissions below 1GHz	23060(704.00 MHz)	10 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	23060(704.00 MHz) 23095(707.50 MHz) 23130(711.00 MHz)	10 MHz	QPSK	1 RB

3.3.9 LTE Band 13

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	23205(779.50 MHz) 23230(782.00 MHz) 23255(784.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	23230(782.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Radiated Spurious Emissions below 1GHz	23230(782.00 MHz)	10 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	23230(782.00 MHz)	10 MHz	QPSK	1 RB

3.3.10 LTE Band 14

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

3.3.11 LTE Band 17

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	23755(706.50 MHz) 23790(710.00 MHz) 23825(713.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	23780(709.00 MHz) 23790(710.00 MHz) 23800(711.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Radiated Spurious Emissions below 1GHz	23790(710.00 MHz)	10 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	23780(709.00 MHz) 23790(710.00 MHz) 23800(711.00 MHz)	10 MHz	QPSK	1 RB

3.3.12 LTE Band 25

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	26047(1850.70 MHz) 26365(1882.50 MHz) 26683(1914.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	26055(1851.50 MHz) 26365(1882.50 MHz) 26675(1913.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	26065(1852.50 MHz) 26365(1882.50 MHz) 26665(1912.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	26090(1855.00 MHz) 26365(1882.50 MHz) 26640(1910.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	26115(1857.50 MHz) 26365(1882.50 MHz) 26615(1907.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	26140(1860.00 MHz) 26365(1882.50 MHz) 26590(1905.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Radiated Spurious Emissions below 1GHz	26365(1882.50 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	26140(1860.00 MHz) 26365(1882.50 MHz) 26590(1905.00 MHz)	20 MHz	QPSK	1 RB

3.3.13 LTE Band 26 (814 MHz ~ 824 MHz)

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	26697(814.70 MHz) 26740(819.00 MHz) 26783(823.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	26705(815.50 MHz) 26740(819.00 MHz) 26775(822.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	26715(816.50 MHz) 26740(819.00 MHz) 26765(821.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	26740(819.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Radiated Spurious Emissions below 1GHz	26740(819.00 MHz)	10 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	26740(819.00 MHz)	10 MHz	QPSK	1 RB

3.3.14 LTE Band 26 (824 MHz ~ 849 MHz)

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	26797(824.70 MHz) 26915(836.50 MHz) 27033(848.30 MHz)	1.4 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	26805(825.50 MHz) 26915(836.50 MHz) 27025(847.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	26815(826.50 MHz) 26915(836.50 MHz) 27015(846.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	26840(829.00 MHz) 26915(836.50 MHz) 26990(844.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	26865(831.50 MHz) 26915(836.50 MHz) 26965(841.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Radiated Spurious Emissions below 1GHz	26965(841.50 MHz)	15 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	26865(831.50 MHz) 26915(836.50 MHz) 26965(841.50 MHz)	15 MHz	QPSK	1 RB

3.3.15 LTE Band 38

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	37775(2572.50 MHz) 38000(2595.00 MHz) 38225(2617.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	37800(2575.00 MHz) 38000(2595.00 MHz) 38200(2615.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	37825(2577.50 MHz) 38000(2595.00 MHz) 38175(2612.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	37850(2580.00 MHz) 38000(2595.00 MHz) 38150(2610.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Radiated Spurious Emissions below 1GHz	37850(2580.00 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	37850(2580.00 MHz) 38000(2595.00 MHz) 38150(2610.00 MHz)	20 MHz	QPSK	1 RB

3.3.16 LTE Band 41

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	39675(2498.50 MHz) 40620(2593.00 MHz) 41565(2687.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	39700(2501.00 MHz) 40620(2593.00 MHz) 41540(2685.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	39725(2503.50 MHz) 40620(2593.00 MHz) 41515(2682.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	39750(2506.00 MHz) 40620(2593.00 MHz) 41490(2680.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Radiated Spurious Emissions below 1GHz	40620(2593.00 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	39750(2506.00 MHz) 40620(2593.00 MHz) 41490(2680.00 MHz)	20 MHz	QPSK	1 RB

3.3.17 LTE Band 42 (3.45 GHz ~ 3.55 GHz)

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	42115(3452.50 MHz) 42590(3500.00 MHz) 43065(3547.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	42140(3455.00 MHz) 42590(3500.00 MHz) 43040(3545.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	42165(3457.50 MHz) 42590(3500.00 MHz) 43015(3542.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	42190(3460.00 MHz) 42590(3500.00 MHz) 42990(3540.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Radiated Spurious Emissions below 1GHz	42590(3500.00 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	42115(3452.50 MHz) 42590(3500.00 MHz) 43065(3547.50 MHz)	5 MHz	QPSK	1 RB
	42190(3460.00 MHz) 42590(3500.00 MHz) 42990(3540.00 MHz)	20 MHz	QPSK	1 RB

3.3.18 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 / 256QAM	1 RB Half RB Full RB
	131987(1711.50 MHz) 132322(1745.00 MHz) 132657(1778.50 MHz)	3 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	131997(1712.50 MHz) 132322(1745.00 MHz) 132647(1777.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	132022(1715.00 MHz) 132322(1745.00 MHz) 132622(1775.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	132047(1717.50 MHz) 132322(1745.00 MHz) 132597(1772.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	132072(1720.00 MHz) 132322(1745.00 MHz) 132572(1770.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Radiated Spurious Emissions below 1GHz	132322(1745.00 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	132072(1720.00 MHz) 132322(1745.00 MHz) 132572(1770.00 MHz)	20 MHz	QPSK	1 RB

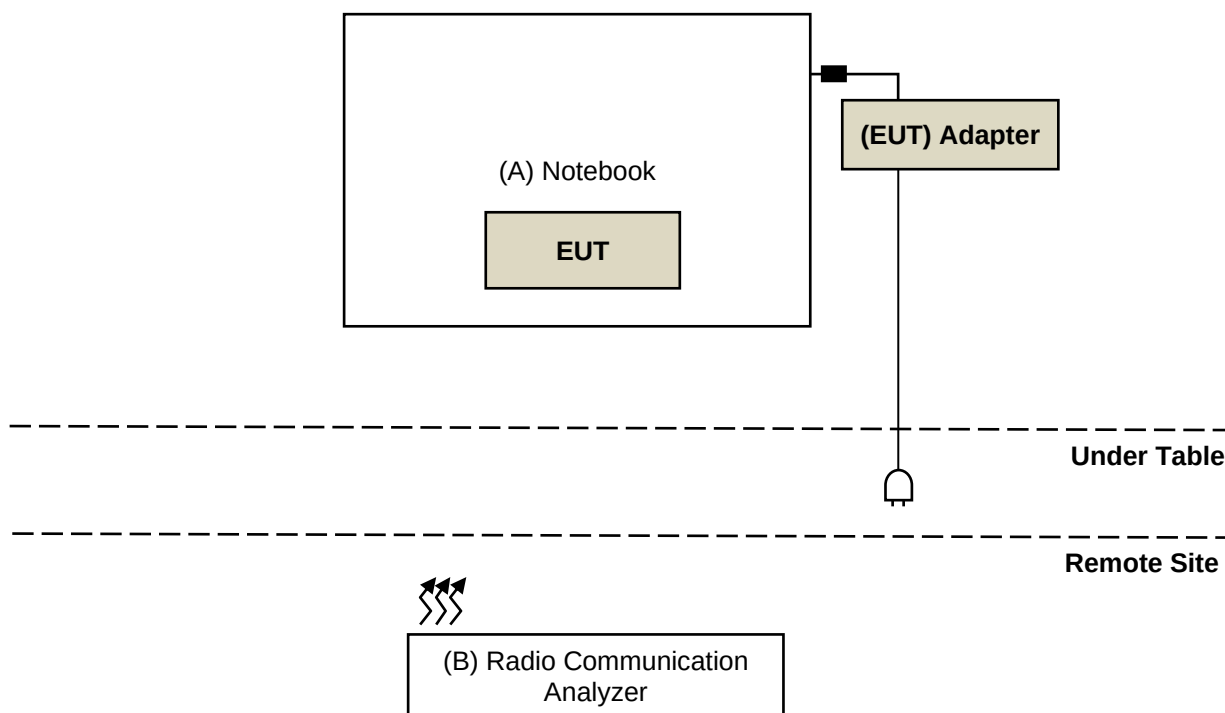
3.3.19 LTE Band 71

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	133147(665.50 MHz) 133297(680.50 MHz) 133447(695.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	133172(668.00 MHz) 133297(680.50 MHz) 133422(693.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	133197(670.50 MHz) 133297(680.50 MHz) 133397(690.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	133222(673.00 MHz) 133297(680.50 MHz) 133372(688.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Radiated Spurious Emissions below 1GHz	133297(680.50 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	133222(673.00 MHz) 133297(680.50 MHz) 133372(688.00 MHz)	20 MHz	QPSK	1 RB

3.4 Test Program Used and Operation Descriptions

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

3.5 Connection Diagram of EUT and Peripheral Devices



3.6 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Notebook	Getac	V120	N/A	N/A	Supplied by applicant
B	Radio Communication Analyzer	Anritsu	MT8821C	6201462755	N/A	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
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2025/5/23	2026/5/22
PXA Signal Analyzer Keysight	N9030B	MY57140938	2025/3/24	2026/3/23
Radio Communication Analyzer Anritsu	MT8821C	6261806803	2025/2/19	2026/2/18
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2025/6/23 ~ 2025/6/26

4.2 Radiated Spurious Emissions below 1GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower Max-Full	MFA-515BSN	N/A	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-1214	2024/10/15	2025/10/14
EXA Signal Analyzer Agilent	N9010A	MY52220207	2024/12/30	2025/12/29
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	980798	2025/1/14	2026/1/13
RF Coaxial Cable EMCI	EMCCFD400-NM-NM-500	201248	2025/1/14	2026/1/13
	EMCCFD400-NM-NM-3000	201249	2025/1/14	2026/1/13
	EMCCFD400-NM-NM-9000	201251(with PAD)	2025/1/14	2026/1/13
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table Max-Full	MFT-201SS	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802BS	MF780208676	N/A	N/A

Notes:

1. The test was performed in WM - 966 chamber 9.
2. Tested Date: 2025/6/15 ~ 2025/6/17

4.3 Radiated Spurious Emissions above 1GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower Max-Full	MFA-515BSN	N/A	N/A	N/A
EXA Signal Analyzer Agilent	N9010A	MY52220207	2024/12/30	2025/12/29
Horn Antenna RFSPIN	DRH18-E	210104A18E	2024/11/10	2025/11/9
Horn Antenna Schwarzbeck	BBHA 9170	9170-1049	2024/11/10	2025/11/9
MXE EMI Receiver Agilent	N9038A	MY52260177	2024/9/19	2025/9/18
Preamplifier Agilent	83017A	MY39501357	2025/6/11	2026/6/10
Preamplifier EMCI	EMC184045SE	980788	2025/1/14	2026/1/13
RF Coaxial Cable EMCI	EMC101G-KM-KM-2000	201254	2025/1/14	2026/1/13
	EMC101G-KM-KM-3000	201258	2025/1/14	2026/1/13
	EMC101G-KM-KM-5000	201261	2025/1/14	2026/1/13
	EMC104-SM-SM-1000	210103	2025/1/14	2026/1/13
	EMC104-SM-SM-3000	201241	2025/1/14	2026/1/13
	EMC104-SM-SM-9000	201244	2025/1/14	2026/1/13
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table Max-Full	MFT-201SS	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802BS	MF780208676	N/A	N/A

Notes:

1. The test was performed in WM - 966 chamber 9.
2. Tested Date: 2025/6/13 ~ 2025/6/18

5 Limits of Test Items

5.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

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

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

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

Mobile and portable stations are limited to 2 watts EIRP.

For LTE Band 14:

Portable stations (hand-held devices) transmitting in the 758-768 MHz band and the 788-798 MHz band are limited to 3 watts ERP.

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

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

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

Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

For LTE Band 13:

Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts ERP.

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

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

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

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

For LTE Band 42 (3.45 GHz ~ 3.55 GHz):

Mobile devices are limited to 1Watt (30 dBm) EIRP.

5.2 Radiated Spurious Emissions below 1GHz

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

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

For LTE Band 14:

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

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

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

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

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

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

For LTE Band 13:

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

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

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

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

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

For LTE Band 42 (3.45 GHz ~ 3.55 GHz):

According to FCC 47 CFR part 27.53(n), for operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

5.3 Radiated Spurious Emissions above 1GHz

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

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

For LTE Band 14:

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

According to FCC 47 CFR part 90.543 (f), for operations in the 758-775 MHz and 788-805 MHz bands, all emissions including harmonics in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

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

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

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

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

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

For LTE Band 13:

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

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

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

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

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

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

For LTE Band 42 (3.45 GHz ~ 3.55 GHz):

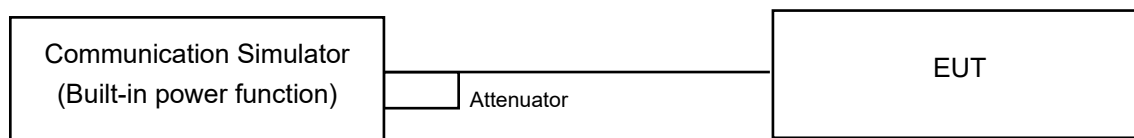
According to FCC 47 CFR part 27.53(n), for operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

6 Test Arrangements

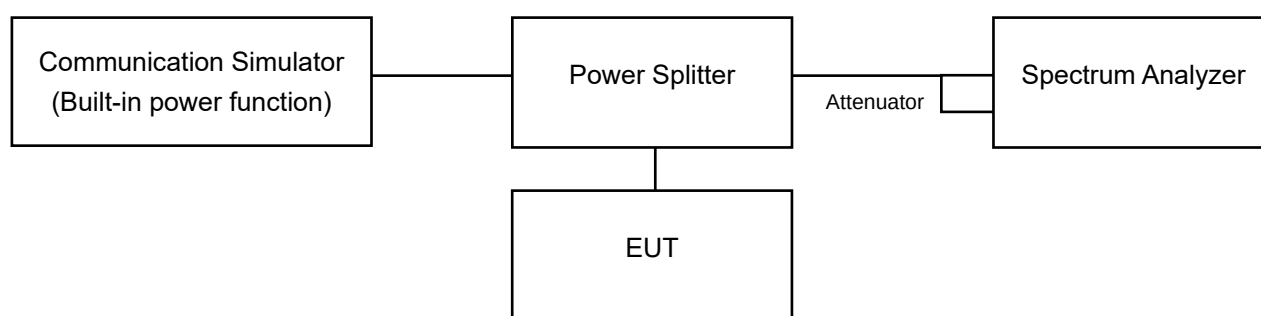
6.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

6.1.1 Test Setup

Conducted Power Measurement:



For measuring output power using spectrum



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.

For measuring output power using spectrum

The EUT is configured by emulator to set data modulation and maximum power using WWAN technology and link to spectrum analyzer measurements. Set the EUT to transmit under low, middle and high channel and record the power level shown on spectrum analyzer. Power measurements use detector average (rms).

For measuring output power using spectrum

Measurement method refers to ANSI C63.26 section 5.2.4.4.

- Set span to $2 \times$ to $3 \times$ the OBW.
- Set RBW = 1% to 5% of the OBW.
- Set VBW $\geq 3 \times$ RBW.
- Set number of measurement points in sweep $\geq 2 \times$ span / RBW.
- Set Sweep time = auto-couple.
- Detector = power averaging (rms).
- Set sweep trigger to "free run."
- Trace average at least 100 traces in power averaging (rms) mode.
- Use the Band/Channel Power function to determine the integrated power per 5 MHz bandwidth, according to the 47 CFR FCC Part 27 section 27.53(a)(3)(i) standard.
- If Duty cycle < 98%, Add $10 \log (1/\text{duty cycle})$ to the measured power level to compute the average power during continuous transmission.

Maximum EIRP / ERP

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

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

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

where

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

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

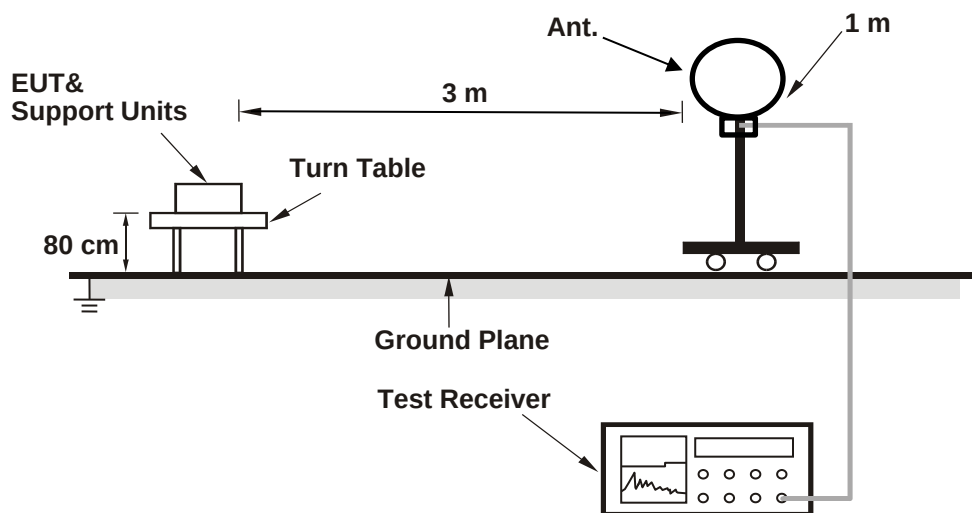
P_{Meas} measured transmitter output power or PSD, in dBm or dBW

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

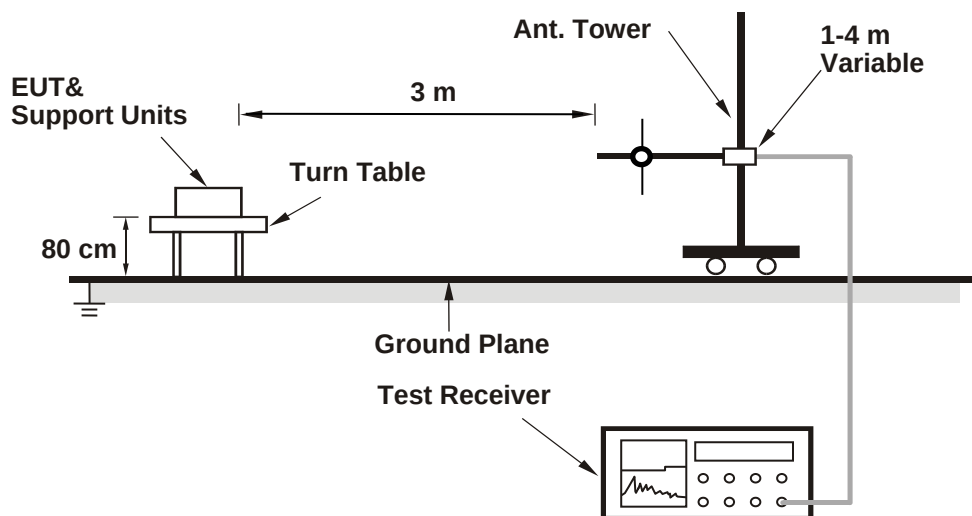
6.2 Radiated Spurious Emissions below 1GHz

6.2.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.2.2 Test Procedure

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

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

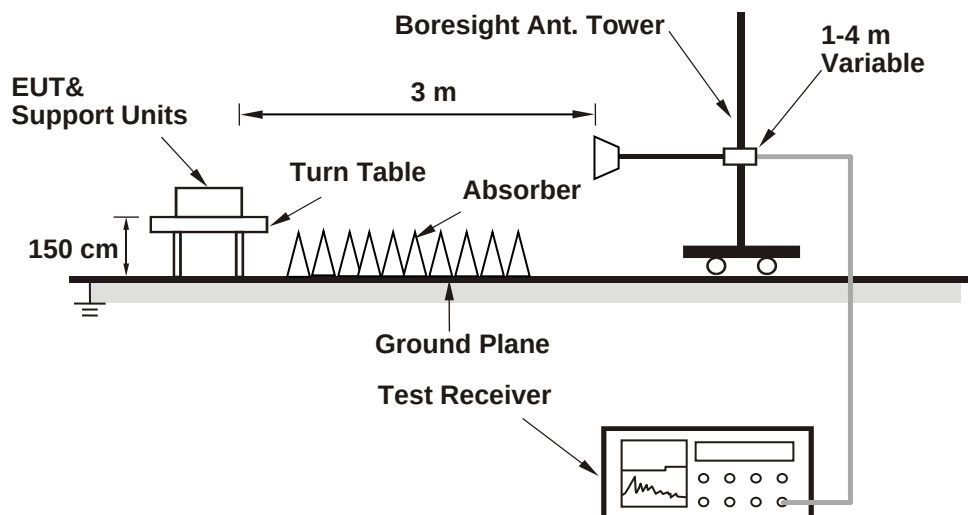
Note:

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

6.3 Radiated Spurious Emissions above 1GHz

6.3.1 Test Setup

For radiated emission above 1 GHz



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

6.3.2 Test Procedure

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

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

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

7 Test Results of Test Item

7.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

Input Power:	7.74 Vdc	Environmental Conditions:	23°C, 62% RH	Tested By:	Charles Hsiao
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7.1.1 WCDMA Band 2

Measurement Conducted Power (dBm)			
Band	WCDMA 2		
TX Channel	9262	9400	9538
Rx Channel	9662	9800	9938
Frequency	1852.4	1880	1907.6
RMC 12.2K	18.82	18.61	18.49
HSDPA Subtest-1	18.71	18.54	18.43
HSDPA Subtest-2	18.71	18.53	18.37
HSDPA Subtest-3	18.23	17.99	17.85
HSDPA Subtest-4	18.23	17.97	17.94
DC-HSDPA Subtest-1	18.67	18.51	18.39
DC-HSDPA Subtest-2	18.76	18.47	18.43
DC-HSDPA Subtest-3	18.25	17.97	17.86
DC-HSDPA Subtest-4	18.18	18.03	17.91
HSUPA Subtest-1	18.70	18.53	18.42
HSUPA Subtest-2	16.67	16.49	16.35
HSUPA Subtest-3	17.67	17.56	17.44
HSUPA Subtest-4	16.72	16.51	16.36
HSUPA Subtest-5	18.73	18.50	18.36
HSPA+ Subtest-1	16.26	16.05	15.85

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
RMC 12.2K	18.49	18.82	20.3	20.63	33.01
HSDPA	17.85	18.71	19.66	20.52	33.01
HSUPA	15.85	18.73	17.66	20.54	33.01

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

7.1.2 WCDMA Band 4

Measurement Conducted Power (dBm)			
Band	WCDMA 4		
TX Channel	1312	1413	1513
Rx Channel	1537	1638	1738
Frequency	1712.4	1732.6	1752.6
RMC 12.2K	17.73	17.87	17.85
HSDPA Subtest-1	17.65	17.77	17.76
HSDPA Subtest-2	17.59	17.82	17.74
HSDPA Subtest-3	17.10	17.29	17.21
HSDPA Subtest-4	17.09	17.25	17.24
DC-HSDPA Subtest-1	17.59	17.81	17.71
DC-HSDPA Subtest-2	17.64	17.79	17.79
DC-HSDPA Subtest-3	17.15	17.32	17.24
DC-HSDPA Subtest-4	17.10	17.31	17.27
HSUPA Subtest-1	17.66	17.80	17.71
HSUPA Subtest-2	15.63	15.78	15.80
HSUPA Subtest-3	16.58	16.76	16.80
HSUPA Subtest-4	15.65	15.74	15.79
HSUPA Subtest-5	17.60	17.80	17.73
HSPA+ Subtest-1	15.16	15.30	15.27

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
RMC 12.2K	17.73	17.87	18.76	18.9	30
HSDPA	17.09	17.82	18.12	18.85	30
HSUPA	15.16	17.8	16.19	18.83	30

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

7.1.3 WCDMA Band 5

Measurement Conducted Power (dBm)			
Band	WCDMA 5		
TX Channel	4132	4182	4233
Rx Channel	4357	4407	4458
Frequency	826.4	836.4	846.6
RMC 12.2K	22.89	22.86	22.96
HSDPA Subtest-1	22.81	22.73	22.91
HSDPA Subtest-2	22.75	22.80	22.86
HSDPA Subtest-3	22.26	22.25	22.40
HSDPA Subtest-4	22.26	22.31	22.39
DC-HSDPA Subtest-1	22.78	22.77	22.84
DC-HSDPA Subtest-2	22.81	22.76	22.82
DC-HSDPA Subtest-3	22.26	22.23	22.34
DC-HSDPA Subtest-4	22.28	22.25	22.39
HSUPA Subtest-1	22.79	22.81	22.87
HSUPA Subtest-2	20.84	20.76	20.85
HSUPA Subtest-3	21.76	21.77	21.82
HSUPA Subtest-4	20.83	20.80	20.88
HSUPA Subtest-5	22.81	22.74	22.81
HSPA+ Subtest-1	20.25	20.25	20.40

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
RMC 12.2K	22.86	22.96	21.45	21.55	38.45
HSDPA	22.25	22.91	20.84	21.5	38.45
HSUPA	20.25	22.87	18.84	21.46	38.45

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

ERP (dBm) = EIRP (dBm) - 2.15

7.1.4 LTE Band 2

LTE Band 2, Channel Bandwidth: 1.4 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18607	CH 18900	CH 19193
			1850.7 MHz	1880 MHz	1909.3 MHz
QPSK	1	0	19.25	19.01	18.98
	1	2	19.13	18.93	18.85
	1	5	19.12	18.87	18.92
	3	0	18.28	18.03	18.00
	3	1	18.21	17.94	17.97
	3	3	18.16	17.90	17.91
	6	0	18.20	17.96	17.96
16QAM	1	0	18.24	17.98	17.90
	1	2	18.14	18.03	17.87
	1	5	18.29	17.91	17.89
	3	0	17.19	17.01	16.96
	3	1	17.18	16.99	17.01
	3	3	17.27	16.90	16.91
	6	0	17.30	16.95	16.95
64QAM	1	0	17.14	17.03	16.86
	1	2	17.12	16.98	16.87
	1	5	17.27	16.89	16.91
	3	0	16.13	15.91	16.00
	3	1	16.20	15.88	16.00
	3	3	16.16	15.95	15.90
	6	0	16.24	15.87	16.00
256QAM	1	0	14.12	13.87	13.95
	1	2	14.17	13.91	13.96
	1	5	14.16	13.89	13.92
	3	0	14.27	13.97	13.94
	3	1	14.22	13.90	14.00
	3	3	14.16	13.96	13.91
	6	0	14.25	13.97	14.02

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	17.90	19.25	19.71	21.06	33.01
16QAM	16.90	18.29	18.71	20.10	33.01
64QAM	15.87	17.27	17.68	19.08	33.01
256QAM	13.87	14.27	15.68	16.08	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	19.31	19.05	19.05
	1	7	19.15	19.01	18.99
	1	14	19.13	18.94	19.00
	8	0	18.29	18.10	18.08
	8	3	18.23	18.01	18.07
	8	7	18.19	17.98	17.95
	15	0	18.23	18.00	18.05
16QAM	1	0	18.15	17.97	18.05
	1	7	18.16	17.96	18.08
	1	14	18.28	18.10	17.95
	8	0	17.21	16.92	17.05
	8	3	17.20	16.98	17.03
	8	7	17.25	16.96	17.08
	15	0	17.18	16.99	17.10
64QAM	1	0	17.28	16.98	16.96
	1	7	17.31	16.99	16.96
	1	14	17.15	16.95	17.03
	8	0	16.23	15.94	16.01
	8	3	16.30	16.02	15.95
	8	7	16.27	15.94	16.01
	15	0	16.19	15.97	15.99
256QAM	1	0	14.16	14.00	13.98
	1	7	14.18	14.06	14.00
	1	14	14.30	13.96	13.99
	8	0	14.20	14.06	13.95
	8	3	14.18	13.95	14.00
	8	7	14.20	13.96	14.09
	15	0	14.21	13.94	14.05

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	17.95	19.31	19.76	21.12	33.01
16QAM	16.92	18.28	18.73	20.09	33.01
64QAM	15.94	17.31	17.75	19.12	33.01
256QAM	13.94	14.30	15.75	16.11	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	19.32	19.11	19.13
	1	12	19.24	19.03	19.02
	1	24	19.27	19.04	18.99
	12	0	18.34	18.13	18.14
	12	6	18.31	18.07	18.13
	12	13	18.24	17.97	18.04
	25	0	18.29	18.08	18.08
16QAM	1	0	18.36	17.99	18.16
	1	12	18.21	18.06	18.05
	1	24	18.31	18.00	18.05
	12	0	17.23	16.98	17.03
	12	6	17.31	17.04	17.11
	12	13	17.36	16.96	17.02
	25	0	17.37	17.04	17.01
64QAM	1	0	17.22	17.12	17.18
	1	12	17.21	17.13	17.04
	1	24	17.24	16.96	17.07
	12	0	16.32	16.06	16.15
	12	6	16.33	16.05	16.17
	12	13	16.33	16.03	16.14
	25	0	16.36	16.02	16.18
256QAM	1	0	14.34	13.98	14.01
	1	12	14.33	13.97	14.03
	1	24	14.20	14.12	14.05
	12	0	14.22	14.10	14.05
	12	6	14.27	14.08	14.11
	12	13	14.26	14.09	14.09
	25	0	14.24	13.98	14.07

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	17.97	19.32	19.78	21.13	33.01
16QAM	16.96	18.36	18.77	20.17	33.01
64QAM	16.02	17.24	17.83	19.05	33.01
256QAM	13.97	14.34	15.78	16.15	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	19.39	19.14	19.19
	1	24	19.25	18.96	19.06
	1	49	19.22	18.97	19.12
	25	0	18.35	18.11	18.21
	25	12	18.32	18.08	18.16
	25	25	18.21	18.01	18.08
	50	0	18.32	18.08	18.17
16QAM	1	0	18.35	18.09	18.18
	1	24	18.34	18.02	18.13
	1	49	18.31	18.10	18.11
	25	0	17.26	17.10	17.18
	25	12	17.23	17.12	17.12
	25	25	17.28	17.13	17.06
	50	0	17.26	17.13	17.16
64QAM	1	0	17.27	17.04	17.07
	1	24	17.22	17.06	17.19
	1	49	17.23	16.96	17.22
	25	0	16.29	16.02	16.12
	25	12	16.23	16.11	16.18
	25	25	16.31	16.02	16.13
	50	0	16.35	16.09	16.19
256QAM	1	0	14.29	14.08	14.08
	1	24	14.25	14.13	14.19
	1	49	14.25	14.03	14.23
	25	0	14.28	14.05	14.23
	25	12	14.29	14.07	14.09
	25	25	14.32	13.98	14.12
	50	0	14.34	14.09	14.13

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	18.01	19.39	19.82	21.20	33.01
16QAM	17.06	18.35	18.87	20.16	33.01
64QAM	16.02	17.27	17.83	19.08	33.01
256QAM	13.98	14.34	15.79	16.15	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	19.39	19.15	19.24
	1	37	19.30	19.04	19.14
	1	74	19.34	19.05	19.11
	36	0	18.40	18.17	18.26
	36	19	18.38	18.10	18.21
	36	39	18.31	18.03	18.09
	75	0	18.36	18.12	18.20
16QAM	1	0	18.37	18.07	18.24
	1	37	18.26	18.02	18.12
	1	74	18.26	18.09	18.14
	36	0	17.42	17.06	17.19
	36	19	17.30	17.13	17.16
	36	39	17.43	17.00	17.20
	75	0	17.39	17.13	17.24
64QAM	1	0	17.38	17.15	17.08
	1	37	17.38	17.13	17.23
	1	74	17.35	17.13	17.19
	36	0	16.41	16.06	16.21
	36	19	16.38	16.14	16.09
	36	39	16.27	15.99	16.20
	75	0	16.42	16.05	16.19
256QAM	1	0	14.40	14.16	14.11
	1	37	14.34	13.99	14.21
	1	74	14.31	14.09	14.09
	36	0	14.44	14.15	14.11
	36	19	14.35	14.03	14.23
	36	39	14.28	14.15	14.08
	75	0	14.42	14.10	14.14

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	18.03	19.39	19.84	21.20	33.01
16QAM	17.00	18.37	18.81	20.18	33.01
64QAM	15.99	17.38	17.80	19.19	33.01
256QAM	13.99	14.44	15.80	16.25	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	19.45	19.18	19.27
	1	50	19.27	19.02	19.13
	1	99	19.32	19.06	19.11
	50	0	18.41	18.16	18.24
	50	25	18.37	18.12	18.17
	50	50	18.27	18.02	18.10
	100	0	18.37	18.09	18.20
16QAM	1	0	18.35	18.14	18.24
	1	50	18.42	17.99	18.08
	1	99	18.32	18.03	18.09
	50	0	17.31	16.99	17.17
	50	25	17.39	17.17	17.13
	50	50	17.35	17.06	17.08
	100	0	17.39	17.01	17.17
64QAM	1	0	17.34	17.02	17.21
	1	50	17.33	17.16	17.18
	1	99	17.31	17.01	17.19
	50	0	16.42	16.04	16.18
	50	25	16.32	16.11	16.17
	50	50	16.29	16.00	16.14
	100	0	16.39	16.06	16.12
256QAM	1	0	14.44	14.11	14.18
	1	50	14.39	14.08	14.10
	1	99	14.26	14.06	14.10
	50	0	14.29	14.09	14.20
	50	25	14.29	14.02	14.14
	50	50	14.35	14.06	14.22
	100	0	14.35	14.04	14.22

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	18.02	19.45	19.83	21.26	33.01
16QAM	16.99	18.42	18.80	20.23	33.01
64QAM	16.00	17.34	17.81	19.15	33.01
256QAM	14.02	14.44	15.83	16.25	33.01

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

7.1.5 LTE Band 4

LTE Band 4, Channel Bandwidth: 1.4 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 19957	CH 20175	CH 20393
			1710.7 MHz	1732.5 MHz	1754.3 MHz
QPSK	1	0	18.14	18.01	17.86
	1	2	18.02	17.88	17.85
	1	5	18.08	17.95	17.84
	3	0	17.15	17.03	16.92
	3	1	17.11	16.95	16.86
	3	3	17.03	16.92	16.79
	6	0	17.07	16.95	16.86
16QAM	1	0	17.07	16.88	16.86
	1	2	17.16	16.96	16.89
	1	5	17.01	16.87	16.93
	3	0	16.01	15.91	15.91
	3	1	16.14	15.96	15.76
	3	3	16.14	15.88	15.81
	6	0	16.01	15.97	15.90
64QAM	1	0	16.11	16.04	15.85
	1	2	16.00	15.93	15.82
	1	5	16.07	15.95	15.85
	3	0	15.03	15.00	14.79
	3	1	15.16	15.01	14.79
	3	3	15.10	15.00	14.83
	6	0	15.15	15.02	14.81
256QAM	1	0	13.05	12.91	12.83
	1	2	13.00	13.02	12.93
	1	5	13.00	12.96	12.81
	3	0	13.00	12.91	12.84
	3	1	13.12	12.91	12.76
	3	3	13.13	12.87	12.84
	6	0	13.14	12.93	12.85

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	16.79	18.14	17.82	19.17	30
16QAM	15.76	17.16	16.79	18.19	30
64QAM	14.79	16.11	15.82	17.14	30
256QAM	12.76	13.14	13.79	14.17	30

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

LTE Band 4, Channel Bandwidth: 3 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 19965	CH 20175	CH 20385
			1711.5 MHz	1732.5 MHz	1753.5 MHz
QPSK	1	0	18.19	18.06	17.94
	1	7	18.05	17.99	17.81
	1	14	18.11	17.95	17.89
	8	0	17.22	17.11	16.95
	8	3	17.16	17.04	16.92
	8	7	17.08	16.98	16.84
	15	0	17.17	17.01	16.91
16QAM	1	0	17.18	17.02	16.90
	1	7	17.15	17.08	16.97
	1	14	17.21	17.12	16.97
	8	0	16.21	16.08	15.96
	8	3	16.08	16.08	15.86
	8	7	16.20	15.96	15.91
	15	0	16.19	16.09	15.91
64QAM	1	0	16.08	16.03	15.88
	1	7	16.15	16.01	15.95
	1	14	16.15	16.01	15.96
	8	0	15.17	15.07	14.82
	8	3	15.11	15.07	14.82
	8	7	15.05	15.01	14.92
	15	0	15.22	15.09	14.86
256QAM	1	0	13.22	13.01	12.83
	1	7	13.04	12.99	12.82
	1	14	13.14	13.12	12.91
	8	0	13.07	13.07	12.91
	8	3	13.12	13.12	12.83
	8	7	13.13	12.94	12.87
	15	0	13.14	12.99	12.90

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	16.84	18.19	17.87	19.22	30
16QAM	15.86	17.21	16.89	18.24	30
64QAM	14.82	16.15	15.85	17.18	30
256QAM	12.82	13.22	13.85	14.25	30

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

LTE Band 4, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 19975	CH 20175	CH 20375
			1712.5 MHz	1732.5 MHz	1752.5 MHz
QPSK	1	0	18.23	18.13	17.99
	1	12	18.11	17.97	17.87
	1	24	18.14	17.98	17.86
	12	0	17.23	17.14	17.04
	12	6	17.15	17.04	17.00
	12	13	17.07	17.01	16.93
	25	0	17.17	17.08	17.00
16QAM	1	0	17.15	17.13	17.05
	1	12	17.11	17.05	17.01
	1	24	17.23	17.05	17.05
	12	0	16.08	16.02	15.87
	12	6	16.18	16.03	16.05
	12	13	16.05	16.01	16.04
	25	0	16.09	16.13	15.93
64QAM	1	0	16.23	16.00	16.04
	1	12	16.18	16.05	16.00
	1	24	16.06	16.11	16.02
	12	0	15.19	15.01	14.95
	12	6	15.10	15.13	15.01
	12	13	15.19	14.98	14.98
	25	0	15.22	15.09	15.02
256QAM	1	0	13.14	13.01	13.04
	1	12	13.07	13.00	12.88
	1	24	13.07	13.04	12.87
	12	0	13.22	13.02	12.96
	12	6	13.07	13.02	13.00
	12	13	13.11	13.03	12.90
	25	0	13.15	12.99	12.92

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	16.93	18.23	17.96	19.26	30
16QAM	15.87	17.23	16.90	18.26	30
64QAM	14.95	16.23	15.98	17.26	30
256QAM	12.87	13.22	13.90	14.25	30

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

LTE Band 4, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20000	CH 20175	CH 20350
			1715 MHz	1732.5 MHz	1750 MHz
QPSK	1	0	18.24	18.16	18.06
	1	24	18.10	18.03	17.95
	1	49	18.16	18.03	17.96
	25	0	17.28	17.16	17.07
	25	12	17.21	17.09	17.00
	25	25	17.14	17.02	16.95
	50	0	17.22	17.11	17.03
16QAM	1	0	17.16	17.19	17.04
	1	24	17.16	17.09	17.03
	1	49	17.17	17.06	17.02
	25	0	16.16	16.09	16.00
	25	12	16.15	16.11	15.97
	25	25	16.19	16.17	16.08
	50	0	16.20	16.03	15.97
64QAM	1	0	16.10	16.04	15.96
	1	24	16.28	16.05	16.04
	1	49	16.21	16.03	16.04
	25	0	15.23	15.19	15.06
	25	12	15.18	15.02	14.96
	25	25	15.23	15.03	15.05
	50	0	15.25	15.01	15.02
256QAM	1	0	13.16	13.05	13.00
	1	24	13.16	13.15	12.99
	1	49	13.22	13.01	12.94
	25	0	13.18	13.01	12.95
	25	12	13.23	13.07	12.93
	25	25	13.14	13.11	13.08
	50	0	13.12	13.19	13.03

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	16.95	18.24	17.98	19.27	30
16QAM	15.97	17.19	17.00	18.22	30
64QAM	14.96	16.28	15.99	17.31	30
256QAM	12.93	13.23	13.96	14.26	30

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

LTE Band 4, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20025	CH 20175	CH 20325
			1717.5 MHz	1732.5 MHz	1747.5 MHz
QPSK	1	0	18.29	18.20	18.11
	1	37	18.16	18.09	18.07
	1	74	18.13	18.13	18.04
	36	0	17.30	17.20	17.16
	36	19	17.24	17.16	17.06
	36	39	17.18	17.09	17.04
	75	0	17.22	17.12	17.09
16QAM	1	0	17.28	17.15	17.12
	1	37	17.23	17.13	17.00
	1	74	17.22	17.19	17.16
	36	0	16.18	16.19	16.07
	36	19	16.16	16.14	16.12
	36	39	16.28	16.11	16.13
	75	0	16.23	16.21	16.15
64QAM	1	0	16.20	16.10	16.06
	1	37	16.28	16.09	16.05
	1	74	16.26	16.15	16.13
	36	0	15.26	15.10	15.05
	36	19	15.25	15.21	15.05
	36	39	15.12	15.18	15.07
	75	0	15.27	15.16	15.02
256QAM	1	0	13.22	13.06	13.13
	1	37	13.18	13.08	13.04
	1	74	13.26	13.10	13.11
	36	0	13.26	13.21	13.05
	36	19	13.24	13.18	13.11
	36	39	13.19	13.17	13.12
	75	0	13.20	13.15	13.09

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	17.04	18.29	18.07	19.32	30
16QAM	16.07	17.28	17.10	18.31	30
64QAM	15.02	16.28	16.05	17.31	30
256QAM	13.04	13.26	14.07	14.29	30

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

LTE Band 4, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20050	CH 20175	CH 20300
			1720 MHz	1732.5 MHz	1745 MHz
QPSK	1	0	18.31	18.25	18.17
	1	50	18.19	18.15	18.05
	1	99	18.18	18.13	18.04
	50	0	17.31	17.21	17.16
	50	25	17.24	17.12	17.12
	50	50	17.16	17.06	17.05
	100	0	17.24	17.15	17.06
16QAM	1	0	17.16	17.21	17.10
	1	50	17.20	17.10	17.11
	1	99	17.12	17.18	17.06
	50	0	16.27	16.18	16.14
	50	25	16.25	16.13	16.12
	50	50	16.15	16.23	16.14
	100	0	16.18	16.07	16.10
64QAM	1	0	16.27	16.14	16.15
	1	50	16.24	16.23	15.99
	1	99	16.16	16.23	16.07
	50	0	15.17	15.07	15.16
	50	25	15.16	15.21	15.07
	50	50	15.12	15.20	15.15
	100	0	15.27	15.18	15.00
256QAM	1	0	13.28	13.20	13.04
	1	50	13.16	13.15	13.13
	1	99	13.22	13.11	13.08
	50	0	13.20	13.15	13.08
	50	25	13.27	13.19	13.10
	50	50	13.24	13.19	13.13
	100	0	13.14	13.07	13.11

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	17.05	18.31	18.08	19.34	30
16QAM	16.07	17.21	17.10	18.24	30
64QAM	15.00	16.27	16.03	17.30	30
256QAM	13.04	13.28	14.07	14.31	30

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

7.1.6 LTE Band 5

LTE Band 5, Channel Bandwidth: 1.4 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20407	CH 20525	CH 20643
			824.7 MHz	836.5 MHz	848.3 MHz
QPSK	1	0	22.70	22.61	22.41
	1	2	22.57	22.57	22.33
	1	5	22.56	22.47	22.31
	3	0	21.72	21.62	21.44
	3	1	21.68	21.56	21.35
	3	3	21.61	21.51	21.28
	6	0	21.64	21.57	21.34
16QAM	1	0	21.68	21.50	21.33
	1	2	21.69	21.66	21.37
	1	5	21.72	21.54	21.27
	3	0	20.66	20.62	20.33
	3	1	20.70	20.66	20.29
	3	3	20.63	20.58	20.30
	6	0	20.63	20.53	20.32
64QAM	1	0	20.59	20.54	20.44
	1	2	20.70	20.57	20.45
	1	5	20.56	20.55	20.30
	3	0	19.60	19.63	19.33
	3	1	19.55	19.59	19.33
	3	3	19.64	19.49	19.36
	6	0	19.55	19.63	19.33
256QAM	1	0	17.72	17.53	17.30
	1	2	17.67	17.57	17.32
	1	5	17.69	17.65	17.34
	3	0	17.71	17.54	17.40
	3	1	17.55	17.50	17.42
	3	3	17.71	17.54	17.32
	6	0	17.72	17.59	17.45

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.28	22.70	19.87	21.29	38.45
16QAM	20.29	21.72	18.88	20.31	38.45
64QAM	19.33	20.70	17.92	19.29	38.45
256QAM	17.30	17.72	15.89	16.31	38.45

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

LTE Band 5, Channel Bandwidth: 3 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20415	CH 20525	CH 20635
			825.5 MHz	836.5 MHz	847.5 MHz
QPSK	1	0	22.74	22.67	22.46
	1	7	22.63	22.54	22.41
	1	14	22.63	22.57	22.38
	8	0	21.70	21.67	21.49
	8	3	21.69	21.65	21.44
	8	7	21.61	21.53	21.36
	15	0	21.63	21.63	21.42
16QAM	1	0	21.65	21.59	21.46
	1	7	21.74	21.59	21.36
	1	14	21.67	21.59	21.47
	8	0	20.62	20.56	20.44
	8	3	20.59	20.66	20.38
	8	7	20.69	20.57	20.35
	15	0	20.65	20.63	20.42
64QAM	1	0	20.62	20.58	20.34
	1	7	20.74	20.52	20.46
	1	14	20.74	20.53	20.43
	8	0	19.58	19.66	19.44
	8	3	19.64	19.69	19.45
	8	7	19.72	19.52	19.44
	15	0	19.74	19.57	19.45
256QAM	1	0	17.57	17.61	17.40
	1	7	17.56	17.64	17.41
	1	14	17.72	17.56	17.47
	8	0	17.66	17.60	17.38
	8	3	17.63	17.69	17.44
	8	7	17.71	17.67	17.45
	15	0	17.64	17.54	17.37

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.36	22.74	19.95	21.33	38.45
16QAM	20.35	21.74	18.94	20.33	38.45
64QAM	19.44	20.74	18.03	19.33	38.45
256QAM	17.37	17.72	15.96	16.31	38.45

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

LTE Band 5, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20425	CH 20525	CH 20625
			826.5 MHz	836.5 MHz	846.5 MHz
QPSK	1	0	22.75	22.71	22.51
	1	12	22.73	22.53	22.43
	1	24	22.66	22.54	22.42
	12	0	21.78	21.69	21.55
	12	6	21.71	21.64	21.52
	12	13	21.65	21.59	21.45
	25	0	21.72	21.62	21.46
16QAM	1	0	21.73	21.55	21.52
	1	12	21.65	21.54	21.47
	1	24	21.75	21.65	21.55
	12	0	20.70	20.54	20.52
	12	6	20.76	20.70	20.48
	12	13	20.66	20.69	20.42
	25	0	20.79	20.65	20.47
64QAM	1	0	20.73	20.61	20.53
	1	12	20.78	20.67	20.41
	1	24	20.81	20.62	20.42
	12	0	19.67	19.61	19.52
	12	6	19.71	19.70	19.48
	12	13	19.77	19.59	19.42
	25	0	19.71	19.69	19.41
256QAM	1	0	17.76	17.56	17.49
	1	12	17.76	17.71	17.54
	1	24	17.70	17.69	17.49
	12	0	17.70	17.57	17.48
	12	6	17.70	17.65	17.50
	12	13	17.79	17.55	17.50
	25	0	17.72	17.70	17.47

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.45	22.75	20.04	21.34	38.45
16QAM	20.42	21.75	19.01	20.34	38.45
64QAM	19.41	20.81	18.00	19.40	38.45
256QAM	17.47	17.79	16.06	16.38	38.45

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

LTE Band 5, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20450	CH 20525	CH 20600
			829 MHz	836.5 MHz	844 MHz
QPSK	1	0	22.83	22.73	22.58
	1	24	22.63	22.62	22.49
	1	49	22.68	22.54	22.44
	25	0	21.81	21.70	21.55
	25	12	21.74	21.62	21.50
	25	25	21.69	21.57	21.44
	50	0	21.77	21.62	21.47
16QAM	1	0	21.75	21.54	21.45
	1	24	21.68	21.54	21.45
	1	49	21.71	21.49	21.42
	25	0	20.72	20.72	20.51
	25	12	20.69	20.64	20.46
	25	25	20.72	20.55	20.44
	50	0	20.77	20.61	20.41
64QAM	1	0	20.81	20.70	20.47
	1	24	20.78	20.62	20.56
	1	49	20.68	20.71	20.45
	25	0	19.75	19.64	19.39
	25	12	19.67	19.56	19.49
	25	25	19.69	19.63	19.45
	50	0	19.75	19.72	19.51
256QAM	1	0	17.77	17.60	17.43
	1	24	17.74	17.61	17.47
	1	49	17.71	17.61	17.47
	25	0	17.71	17.59	17.55
	25	12	17.73	17.59	17.43
	25	25	17.79	17.65	17.51
	50	0	17.71	17.68	17.39

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.44	22.83	20.03	21.42	38.45
16QAM	20.41	21.75	19.00	20.34	38.45
64QAM	19.39	20.81	17.98	19.40	38.45
256QAM	17.39	17.79	15.98	16.38	38.45

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

7.1.7 LTE Band 7

LTE Band 7, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20775	CH 21100	CH 21425
			2502.5 MHz	2535 MHz	2567.5 MHz
QPSK	1	0	16.72	17.07	17.12
	1	12	16.62	16.96	17.05
	1	24	16.60	16.93	17.00
	12	0	15.74	16.08	16.12
	12	6	15.72	16.06	16.09
	12	13	15.62	16.00	15.97
	25	0	15.70	16.06	16.04
16QAM	1	0	15.68	16.02	16.01
	1	12	15.73	15.95	16.13
	1	24	15.63	16.04	16.14
	12	0	14.75	15.06	15.10
	12	6	14.65	15.01	15.11
	12	13	14.77	15.04	15.02
	25	0	14.73	14.98	15.01
64QAM	1	0	14.71	15.10	14.96
	1	12	14.65	15.06	14.99
	1	24	14.70	14.98	15.10
	12	0	13.66	14.11	14.11
	12	6	13.75	14.08	14.14
	12	13	13.72	14.08	14.09
	25	0	13.63	14.10	14.10
256QAM	1	0	11.62	11.94	12.10
	1	12	11.71	12.08	11.99
	1	24	11.70	12.08	12.06
	12	0	11.77	11.97	12.01
	12	6	11.74	12.08	11.98
	12	13	11.71	12.10	11.98
	25	0	11.69	11.95	12.01

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	15.62	17.12	17.61	19.11	33.01
16QAM	14.65	16.14	16.64	18.13	33.01
64QAM	13.63	15.10	15.62	17.09	33.01
256QAM	11.62	12.10	13.61	14.09	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	16.79	17.13	17.15
	1	24	16.65	17.04	17.03
	1	49	16.69	17.05	17.05
	25	0	15.83	16.11	16.19
	25	12	15.78	16.04	16.12
	25	25	15.70	15.98	16.07
	50	0	15.78	16.07	16.14
16QAM	1	0	15.69	15.96	16.16
	1	24	15.83	16.00	16.15
	1	49	15.76	16.02	16.13
	25	0	14.74	15.02	15.15
	25	12	14.72	15.04	15.07
	25	25	14.71	15.14	15.09
	50	0	14.68	15.04	15.07
64QAM	1	0	14.82	15.01	15.12
	1	24	14.72	14.96	15.14
	1	49	14.69	15.14	15.14
	25	0	13.65	14.04	14.09
	25	12	13.72	14.06	14.02
	25	25	13.76	14.08	14.03
	50	0	13.81	14.11	14.08
256QAM	1	0	11.66	12.10	12.03
	1	24	11.72	11.99	12.06
	1	49	11.74	12.08	12.10
	25	0	11.78	11.98	12.08
	25	12	11.66	12.00	12.06
	25	25	11.76	11.98	12.10
	50	0	11.65	11.98	12.11

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	15.70	17.15	17.69	19.14	33.01
16QAM	14.68	16.16	16.67	18.15	33.01
64QAM	13.65	15.14	15.64	17.13	33.01
256QAM	11.65	12.11	13.64	14.10	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	16.84	17.15	17.21
	1	37	16.69	17.05	17.13
	1	74	16.77	17.02	17.10
	36	0	15.84	16.21	16.21
	36	19	15.82	16.10	16.20
	36	39	15.75	16.05	16.13
	75	0	15.76	16.16	16.17
16QAM	1	0	15.74	16.13	16.19
	1	37	15.70	16.21	16.09
	1	74	15.72	16.04	16.21
	36	0	14.79	15.17	15.11
	36	19	14.74	15.06	15.17
	36	39	14.71	15.06	15.24
	75	0	14.82	15.15	15.15
64QAM	1	0	14.74	15.21	15.19
	1	37	14.79	15.21	15.18
	1	74	14.83	15.18	15.13
	36	0	13.71	14.12	14.17
	36	19	13.71	14.04	14.07
	36	39	13.78	14.19	14.11
	75	0	13.85	14.16	14.20
256QAM	1	0	11.80	12.07	12.12
	1	37	11.80	12.09	12.11
	1	74	11.82	12.03	12.14
	36	0	11.69	12.16	12.23
	36	19	11.73	12.18	12.09
	36	39	11.84	12.13	12.20
	75	0	11.71	12.14	12.18

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	15.75	17.21	17.74	19.20	33.01
16QAM	14.71	16.21	16.70	18.20	33.01
64QAM	13.71	15.21	15.70	17.20	33.01
256QAM	11.69	12.23	13.68	14.22	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	16.88	17.22	17.26
	1	50	16.69	17.08	17.13
	1	99	16.72	17.04	17.10
	50	0	15.83	16.20	16.22
	50	25	15.79	16.10	16.18
	50	50	15.71	16.07	16.09
	100	0	15.76	16.14	16.19
16QAM	1	0	15.81	16.12	16.18
	1	50	15.81	16.16	16.18
	1	99	15.79	16.10	16.15
	50	0	14.78	15.12	15.24
	50	25	14.80	15.13	15.11
	50	50	14.85	15.15	15.13
	100	0	14.73	15.04	15.13
64QAM	1	0	14.73	15.07	15.13
	1	50	14.84	15.04	15.10
	1	99	14.69	15.03	15.12
	50	0	13.81	14.12	14.23
	50	25	13.72	14.12	14.20
	50	50	13.72	14.07	14.16
	100	0	13.85	14.04	14.11
256QAM	1	0	11.78	12.09	12.18
	1	50	11.79	12.17	12.07
	1	99	11.74	12.08	12.09
	50	0	11.86	12.14	12.12
	50	25	11.70	12.03	12.13
	50	50	11.72	12.06	12.07
	100	0	11.83	12.18	12.09

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	15.71	17.26	17.70	19.25	33.01
16QAM	14.73	16.18	16.72	18.17	33.01
64QAM	13.72	15.13	15.71	17.12	33.01
256QAM	11.70	12.18	13.69	14.17	33.01

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

7.1.8 LTE Band 12

LTE Band 12, Channel Bandwidth: 1.4 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23017	CH 23095	CH 23173
			699.7 MHz	707.5 MHz	715.3 MHz
QPSK	1	0	22.87	22.68	22.61
	1	2	22.73	22.60	22.49
	1	5	22.72	22.60	22.46
	3	0	21.88	21.66	21.58
	3	1	21.78	21.60	21.55
	3	3	21.74	21.58	21.47
	6	0	21.79	21.65	21.57
16QAM	1	0	21.88	21.54	21.45
	1	2	21.79	21.63	21.44
	1	5	21.73	21.60	21.55
	3	0	20.73	20.60	20.49
	3	1	20.80	20.65	20.53
	3	3	20.80	20.66	20.46
	6	0	20.84	20.56	20.47
64QAM	1	0	20.74	20.68	20.59
	1	2	20.77	20.62	20.52
	1	5	20.83	20.57	20.52
	3	0	19.78	19.58	19.50
	3	1	19.77	19.63	19.59
	3	3	19.77	19.62	19.57
	6	0	19.72	19.65	19.59
256QAM	1	0	17.87	17.60	17.60
	1	2	17.81	17.52	17.60
	1	5	17.75	17.67	17.61
	3	0	17.79	17.65	17.48
	3	1	17.87	17.52	17.61
	3	3	17.79	17.68	17.52
	6	0	17.87	17.57	17.48

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.47	22.87	21.71	23.11	34.77
16QAM	20.46	21.88	20.70	22.12	34.77
64QAM	19.50	20.83	19.74	21.07	34.77
256QAM	17.48	17.87	17.72	18.11	34.77

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-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	22.89	22.71	22.63
	1	7	22.76	22.67	22.52
	1	14	22.80	22.65	22.52
	8	0	21.92	21.74	21.66
	8	3	21.87	21.70	21.61
	8	7	21.79	21.61	21.57
	15	0	21.85	21.71	21.59
16QAM	1	0	21.76	21.65	21.59
	1	7	21.77	21.68	21.55
	1	14	21.76	21.67	21.69
	8	0	20.75	20.65	20.70
	8	3	20.90	20.73	20.52
	8	7	20.84	20.73	20.60
	15	0	20.76	20.69	20.52
64QAM	1	0	20.80	20.62	20.62
	1	7	20.90	20.60	20.60
	1	14	20.89	20.63	20.69
	8	0	19.85	19.61	19.61
	8	3	19.80	19.66	19.66
	8	7	19.85	19.63	19.62
	15	0	19.91	19.75	19.55
256QAM	1	0	17.76	17.66	17.69
	1	7	17.86	17.75	17.68
	1	14	17.90	17.72	17.69
	8	0	17.78	17.58	17.63
	8	3	17.85	17.64	17.63
	8	7	17.91	17.58	17.66
	15	0	17.84	17.72	17.65

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.57	22.89	21.81	23.13	34.77
16QAM	20.52	21.77	20.76	22.01	34.77
64QAM	19.55	20.90	19.79	21.14	34.77
256QAM	17.58	17.91	17.82	18.15	34.77

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-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	22.94	22.77	22.71
	1	12	22.78	22.65	22.54
	1	24	22.81	22.67	22.57
	12	0	21.91	21.80	21.67
	12	6	21.83	21.73	21.63
	12	13	21.77	21.66	21.57
	25	0	21.87	21.73	21.62
16QAM	1	0	21.86	21.66	21.53
	1	12	21.88	21.68	21.53
	1	24	21.80	21.73	21.71
	12	0	20.88	20.79	20.67
	12	6	20.79	20.68	20.66
	12	13	20.85	20.71	20.63
	25	0	20.84	20.77	20.71
64QAM	1	0	20.85	20.83	20.67
	1	12	20.83	20.76	20.68
	1	24	20.84	20.74	20.54
	12	0	19.76	19.82	19.67
	12	6	19.79	19.78	19.68
	12	13	19.76	19.79	19.67
	25	0	19.81	19.78	19.61
256QAM	1	0	17.82	17.71	17.67
	1	12	17.89	17.65	17.58
	1	24	17.84	17.83	17.70
	12	0	17.81	17.68	17.65
	12	6	17.77	17.74	17.55
	12	13	17.92	17.68	17.61
	25	0	17.93	17.78	17.67

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.57	22.94	21.81	23.18	34.77
16QAM	20.63	21.88	20.87	22.12	34.77
64QAM	19.61	20.85	19.85	21.09	34.77
256QAM	17.55	17.93	17.79	18.17	34.77

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-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	22.95	22.84	22.72
	1	24	22.81	22.64	22.60
	1	49	22.83	22.69	22.59
	25	0	21.93	21.81	21.67
	25	12	21.83	21.74	21.63
	25	25	21.82	21.67	21.54
	50	0	21.89	21.72	21.63
16QAM	1	0	21.91	21.72	21.62
	1	24	21.89	21.66	21.58
	1	49	21.82	21.69	21.63
	25	0	20.78	20.73	20.56
	25	12	20.89	20.73	20.54
	25	25	20.81	20.68	20.58
	50	0	20.76	20.82	20.64
64QAM	1	0	20.77	20.75	20.71
	1	24	20.80	20.81	20.56
	1	49	20.87	20.68	20.53
	25	0	19.84	19.73	19.61
	25	12	19.91	19.75	19.53
	25	25	19.82	19.79	19.59
	50	0	19.86	19.71	19.58
256QAM	1	0	17.82	17.78	17.66
	1	24	17.92	17.82	17.60
	1	49	17.80	17.65	17.62
	25	0	17.81	17.82	17.63
	25	12	17.81	17.82	17.54
	25	25	17.91	17.79	17.53
	50	0	17.82	17.71	17.71

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.54	22.95	21.78	23.19	34.77
16QAM	20.54	21.91	20.78	22.15	34.77
64QAM	19.53	20.87	19.77	21.11	34.77
256QAM	17.53	17.92	17.77	18.16	34.77

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

7.1.9 LTE Band 13

LTE Band 13, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23205	CH 23230	CH 23255
			779.5 MHz	782 MHz	784.5 MHz
QPSK	1	0	21.65	21.75	21.72
	1	12	21.56	21.67	21.63
	1	24	21.61	21.58	21.57
	12	0	20.67	20.75	20.70
	12	6	20.63	20.66	20.69
	12	13	20.54	20.60	20.59
	25	0	20.65	20.71	20.68
16QAM	1	0	20.57	20.63	20.61
	1	12	20.68	20.71	20.67
	1	24	20.62	20.68	20.67
	12	0	19.53	19.71	19.72
	12	6	19.54	19.73	19.64
	12	13	19.71	19.64	19.65
	25	0	19.67	19.60	19.71
64QAM	1	0	19.69	19.70	19.57
	1	12	19.66	19.71	19.57
	1	24	19.53	19.59	19.60
	12	0	18.62	18.63	18.67
	12	6	18.70	18.71	18.67
	12	13	18.70	18.61	18.61
	25	0	18.64	18.67	18.62
256QAM	1	0	16.58	16.69	16.60
	1	12	16.60	16.72	16.69
	1	24	16.56	16.66	16.69
	12	0	16.61	16.66	16.57
	12	6	16.55	16.64	16.68
	12	13	16.58	16.73	16.69
	25	0	16.63	16.60	16.66

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	20.54	21.75	20.86	22.07	34.77
16QAM	19.53	20.71	19.85	21.03	34.77
64QAM	18.61	19.71	18.93	20.03	34.77
256QAM	16.55	16.73	16.87	17.05	34.77

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

LTE Band 13, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 23230
			782 MHz
QPSK	1	0	21.78
	1	24	21.65
	1	49	21.59
	25	0	20.76
	25	12	20.66
	25	25	20.63
	50	0	20.73
16QAM	1	0	20.63
	1	24	20.65
	1	49	20.66
	25	0	19.67
	25	12	19.61
	25	25	19.64
	50	0	19.70
64QAM	1	0	19.76
	1	24	19.74
	1	49	19.73
	25	0	18.63
	25	12	18.63
	25	25	18.67
	50	0	18.60
256QAM	1	0	16.75
	1	24	16.61
	1	49	16.67
	25	0	16.66
	25	12	16.70
	25	25	16.76
	50	0	16.64

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	20.63	21.78	20.95	22.1	34.77
16QAM	19.61	20.66	19.93	20.98	34.77
64QAM	18.6	19.76	18.92	20.08	34.77
256QAM	16.61	16.76	16.93	17.08	34.77

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

7.1.10 LTE Band 14

LTE Band 14, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23305	CH 23330	CH 23355
			790.5 MHz	793 MHz	795.5 MHz
QPSK	1	0	22.37	22.41	22.38
	1	12	22.29	22.34	22.32
	1	24	22.21	22.32	22.25
	12	0	21.33	21.43	21.36
	12	6	21.27	21.36	21.30
	12	13	21.24	21.32	21.23
	25	0	21.30	21.39	21.35
16QAM	1	0	21.25	21.32	21.25
	1	12	21.32	21.42	21.24
	1	24	21.20	21.43	21.33
	12	0	20.23	20.26	20.31
	12	6	20.20	20.41	20.35
	12	13	20.20	20.31	20.32
	25	0	20.30	20.28	20.27
64QAM	1	0	20.25	20.42	20.37
	1	12	20.21	20.31	20.33
	1	24	20.29	20.34	20.40
	12	0	19.23	19.41	19.22
	12	6	19.20	19.39	19.28
	12	13	19.32	19.33	19.34
	25	0	19.35	19.34	19.27
256QAM	1	0	17.23	17.30	17.34
	1	12	17.31	17.35	17.26
	1	24	17.22	17.42	17.35
	12	0	17.32	17.29	17.38
	12	6	17.34	17.34	17.36
	12	13	17.34	17.29	17.22
	25	0	17.26	17.32	17.35

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.23	22.41	20.71	21.89	34.77
16QAM	20.20	21.43	19.68	20.91	34.77
64QAM	19.20	20.42	18.68	19.90	34.77
256QAM	17.22	17.42	16.70	16.90	34.77

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

LTE Band 14, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 23330
			793 MHz
QPSK	1	0	22.45
	1	24	22.36
	1	49	22.31
	25	0	21.44
	25	12	21.37
	25	25	21.27
	50	0	21.40
16QAM	1	0	21.27
	1	24	21.31
	1	49	21.26
	25	0	20.27
	25	12	20.26
	25	25	20.31
	50	0	20.36
64QAM	1	0	20.42
	1	24	20.32
	1	49	20.27
	25	0	19.42
	25	12	19.41
	25	25	19.36
	50	0	19.29
256QAM	1	0	17.34
	1	24	17.33
	1	49	17.39
	25	0	17.38
	25	12	17.27
	25	25	17.29
	50	0	17.38

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.27	22.45	20.75	21.93	34.77
16QAM	20.26	21.31	19.74	20.79	34.77
64QAM	19.29	20.42	18.77	19.9	34.77
256QAM	17.27	17.39	16.75	16.87	34.77

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

7.1.11 LTE Band 17

LTE Band 17, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23755	CH 23790	CH 23825
			706.5 MHz	710 MHz	713.5 MHz
QPSK	1	0	23.13	23.18	23.12
	1	12	23.04	23.06	23.01
	1	24	22.98	23.11	22.96
	12	0	22.10	22.18	22.10
	12	6	22.08	22.14	22.01
	12	13	21.99	22.04	21.99
	25	0	22.08	22.09	22.06
16QAM	1	0	22.11	22.20	22.00
	1	12	21.96	22.05	22.07
	1	24	22.03	22.05	21.97
	12	0	20.99	21.04	21.09
	12	6	21.07	21.13	21.10
	12	13	21.02	21.03	21.03
	25	0	21.04	21.08	21.11
64QAM	1	0	21.08	21.16	21.09
	1	12	20.96	21.05	20.96
	1	24	21.00	21.05	20.95
	12	0	20.09	20.07	20.07
	12	6	20.11	20.03	19.94
	12	13	20.03	20.18	20.11
	25	0	20.08	20.20	19.94
256QAM	1	0	18.10	18.04	18.02
	1	12	18.02	18.18	17.96
	1	24	18.03	18.06	18.07
	12	0	18.10	18.09	18.05
	12	6	17.98	18.19	18.07
	12	13	18.05	18.18	18.04
	25	0	18.08	18.18	18.05

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.99	23.18	21.84	23.03	34.77
16QAM	20.99	22.2	20.84	22.05	34.77
64QAM	19.94	21.16	19.79	21.01	34.77
256QAM	17.96	18.19	17.81	18.04	34.77

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-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	23.14	23.21	23.13
	1	24	22.97	23.12	22.97
	1	49	22.99	23.02	23.01
	25	0	22.11	22.19	22.09
	25	12	22.05	22.10	22.07
	25	25	22.00	22.08	21.98
	50	0	22.07	22.10	22.05
16QAM	1	0	22.05	22.15	22.04
	1	24	22.12	22.18	21.96
	1	49	22.03	22.15	22.00
	25	0	20.97	21.04	21.04
	25	12	21.03	21.14	20.97
	25	25	21.05	21.13	20.94
	50	0	20.98	21.02	21.04
64QAM	1	0	21.12	21.17	20.94
	1	24	20.98	21.13	21.11
	1	49	21.10	21.05	21.00
	25	0	20.03	20.15	19.97
	25	12	19.97	20.16	19.94
	25	25	19.96	20.09	19.97
	50	0	20.02	20.15	20.04
256QAM	1	0	18.06	18.04	17.97
	1	24	18.01	18.02	18.11
	1	49	18.09	18.04	17.95
	25	0	18.03	18.17	18.01
	25	12	17.99	18.02	17.94
	25	25	18.08	18.13	18.04
	50	0	18.11	18.18	18.03

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.98	23.21	21.83	23.06	34.77
16QAM	20.94	22.18	20.79	22.03	34.77
64QAM	19.94	21.17	19.79	21.02	34.77
256QAM	17.94	18.18	17.79	18.03	34.77

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

7.1.12 LTE Band 25

LTE Band 25, Channel Bandwidth: 1.4 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26047	CH 26365	CH 26683
			1850.7 MHz	1882.5 MHz	1914.3 MHz
QPSK	1	0	19.15	19.14	18.98
	1	2	19.06	19.05	18.90
	1	5	19.04	19.06	18.89
	3	0	18.16	18.16	18.02
	3	1	18.14	18.12	17.97
	3	3	18.02	18.05	17.86
	6	0	18.10	18.09	17.91
16QAM	1	0	18.16	18.09	17.95
	1	2	18.15	18.17	17.87
	1	5	18.07	18.06	17.95
	3	0	17.16	17.05	16.96
	3	1	17.08	17.16	16.96
	3	3	17.16	17.15	16.96
	6	0	17.13	17.12	16.96
64QAM	1	0	17.07	17.14	16.87
	1	2	17.01	17.02	16.98
	1	5	17.06	17.15	16.96
	3	0	16.02	16.07	15.85
	3	1	16.11	16.12	16.00
	3	3	16.14	16.09	15.85
	6	0	16.11	16.13	15.87
256QAM	1	0	14.04	14.19	13.96
	1	2	14.19	14.16	13.94
	1	5	14.11	14.10	13.98
	3	0	14.17	14.07	13.84
	3	1	14.15	14.07	13.91
	3	3	14.14	14.16	13.87
	6	0	14.13	14.13	13.96

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	17.86	19.15	19.67	20.96	33.01
16QAM	16.96	18.17	18.77	19.98	33.01
64QAM	15.85	17.15	17.66	18.96	33.01
256QAM	13.84	14.19	15.65	16.00	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	19.20	19.21	19.03
	1	7	19.06	19.04	18.92
	1	14	19.12	19.07	18.90
	8	0	18.22	18.18	18.02
	8	3	18.14	18.12	17.94
	8	7	18.13	18.07	17.85
	15	0	18.18	18.17	17.95
16QAM	1	0	18.07	18.16	17.93
	1	7	18.12	18.19	18.02
	1	14	18.15	18.11	17.93
	8	0	17.24	17.15	17.00
	8	3	17.11	17.20	16.90
	8	7	17.13	17.07	16.96
	15	0	17.15	17.13	16.88
64QAM	1	0	17.16	17.06	17.02
	1	7	17.12	17.20	16.96
	1	14	17.17	17.13	16.85
	8	0	16.24	16.09	15.90
	8	3	16.15	16.20	16.01
	8	7	16.24	16.08	15.89
	15	0	16.22	16.19	15.84
256QAM	1	0	14.24	14.09	14.00
	1	7	14.19	14.06	13.88
	1	14	14.07	14.05	13.94
	8	0	14.19	14.10	13.99
	8	3	14.08	14.16	13.90
	8	7	14.07	14.06	13.93
	15	0	14.21	14.08	13.95

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	17.85	19.21	19.66	21.02	33.01
16QAM	16.88	18.19	18.69	20.00	33.01
64QAM	15.84	17.20	17.65	19.01	33.01
256QAM	13.88	14.24	15.69	16.05	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	19.26	19.23	19.03
	1	12	19.15	19.11	18.91
	1	24	19.15	19.07	18.86
	12	0	18.25	18.24	18.01
	12	6	18.20	18.18	17.94
	12	13	18.10	18.11	17.87
	25	0	18.15	18.17	17.99
16QAM	1	0	18.17	18.18	17.88
	1	12	18.23	18.13	18.01
	1	24	18.11	18.06	17.95
	12	0	17.15	17.21	16.94
	12	6	17.10	17.08	16.97
	12	13	17.17	17.08	16.88
	25	0	17.17	17.16	17.00
64QAM	1	0	17.13	17.23	16.94
	1	12	17.18	17.23	17.04
	1	24	17.26	17.07	16.93
	12	0	16.08	16.13	15.99
	12	6	16.23	16.14	16.04
	12	13	16.18	16.24	15.94
	25	0	16.17	16.15	15.99
256QAM	1	0	14.17	14.06	13.89
	1	12	14.20	14.18	13.92
	1	24	14.22	14.17	14.02
	12	0	14.18	14.07	13.94
	12	6	14.15	14.12	13.93
	12	13	14.22	14.07	13.99
	25	0	14.09	14.18	13.99

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	17.87	19.26	19.68	21.07	33.01
16QAM	16.88	18.23	18.69	20.04	33.01
64QAM	15.94	17.26	17.75	19.07	33.01
256QAM	13.89	14.22	15.70	16.03	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	19.27	19.25	19.05
	1	24	19.14	19.14	18.94
	1	49	19.09	19.13	18.92
	25	0	18.27	18.25	18.08
	25	12	18.20	18.18	17.99
	25	25	18.11	18.13	17.96
	50	0	18.19	18.19	18.00
16QAM	1	0	18.16	18.21	18.04
	1	24	18.18	18.19	18.05
	1	49	18.23	18.22	17.97
	25	0	17.27	17.24	17.00
	25	12	17.17	17.27	17.08
	25	25	17.26	17.19	17.01
	50	0	17.12	17.27	17.08
64QAM	1	0	17.11	17.14	16.92
	1	24	17.11	17.19	17.05
	1	49	17.28	17.26	17.01
	25	0	16.13	16.28	16.08
	25	12	16.12	16.16	16.04
	25	25	16.19	16.27	16.06
	50	0	16.25	16.17	15.93
256QAM	1	0	14.20	14.25	13.98
	1	24	14.28	14.24	14.07
	1	49	14.17	14.11	14.04
	25	0	14.13	14.28	13.95
	25	12	14.25	14.16	14.07
	25	25	14.13	14.13	13.94
	50	0	14.16	14.18	13.95

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	17.96	19.27	19.77	21.08	33.01
16QAM	17.00	18.23	18.81	20.04	33.01
64QAM	15.93	17.28	17.74	19.09	33.01
256QAM	13.94	14.28	15.75	16.09	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	19.29	19.30	19.10
	1	37	19.15	19.28	18.96
	1	74	19.25	19.25	18.98
	36	0	18.33	18.35	18.11
	36	19	18.29	18.26	18.04
	36	39	18.18	18.22	17.96
	75	0	18.23	18.28	18.03
16QAM	1	0	18.20	18.19	17.96
	1	37	18.30	18.32	18.07
	1	74	18.32	18.21	17.95
	36	0	17.34	17.29	17.05
	36	19	17.30	17.29	17.09
	36	39	17.34	17.26	17.13
	75	0	17.21	17.36	17.07
64QAM	1	0	17.16	17.27	16.95
	1	37	17.32	17.37	17.03
	1	74	17.24	17.31	17.10
	36	0	16.26	16.22	15.97
	36	19	16.30	16.22	16.08
	36	39	16.24	16.22	16.05
	75	0	16.30	16.27	16.00
256QAM	1	0	14.27	14.36	14.12
	1	37	14.21	14.21	14.07
	1	74	14.26	14.30	14.09
	36	0	14.31	14.20	14.06
	36	19	14.19	14.33	13.99
	36	39	14.16	14.28	14.03
	75	0	14.23	14.20	13.95

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	17.96	19.30	19.77	21.11	33.01
16QAM	17.05	18.32	18.86	20.13	33.01
64QAM	15.97	17.37	17.78	19.18	33.01
256QAM	13.95	14.36	15.76	16.17	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	19.35	19.38	19.14
	1	50	19.18	19.26	19.01
	1	99	19.18	19.23	19.01
	50	0	18.33	18.36	18.11
	50	25	18.23	18.27	18.05
	50	50	18.22	18.20	18.00
	100	0	18.28	18.29	18.08
16QAM	1	0	18.16	18.34	18.05
	1	50	18.28	18.34	17.97
	1	99	18.24	18.23	17.98
	50	0	17.18	17.24	17.03
	50	25	17.29	17.30	17.06
	50	50	17.28	17.23	16.96
	100	0	17.26	17.30	17.09
64QAM	1	0	17.24	17.37	16.99
	1	50	17.27	17.35	17.04
	1	99	17.17	17.27	16.98
	50	0	16.28	16.36	15.95
	50	25	16.20	16.30	15.96
	50	50	16.19	16.22	16.00
	100	0	16.29	16.25	16.08
256QAM	1	0	14.32	14.33	13.97
	1	50	14.21	14.20	14.02
	1	99	14.16	14.19	13.96
	50	0	14.21	14.21	14.11
	50	25	14.30	14.28	13.96
	50	50	14.20	14.25	14.00
	100	0	14.17	14.22	14.00

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	18.00	19.38	19.81	21.19	33.01
16QAM	16.96	18.34	18.77	20.15	33.01
64QAM	15.95	17.37	17.76	19.18	33.01
256QAM	13.96	14.33	15.77	16.14	33.01

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

7.1.13 LTE Band 26 (814 MHz ~ 824 MHz)

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

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26697	CH 26740	CH 26783
			814.7 MHz	819 MHz	823.3 MHz
QPSK	1	0	22.08	22.15	22.25
	1	2	21.97	22.01	22.11
	1	5	21.95	22.03	22.17
	3	0	22.05	21.16	22.16
	3	1	21.89	21.09	22.09
	3	3	21.89	21.01	22.17
	6	0	21.00	21.08	21.23
16QAM	1	0	20.98	21.01	21.12
	1	2	21.07	21.12	21.17
	1	5	20.98	21.00	21.20
	3	0	20.55	20.10	20.59
	3	1	20.52	20.14	20.56
	3	3	20.46	20.18	20.58
	6	0	19.93	20.12	20.20
64QAM	1	0	20.07	20.00	20.21
	1	2	20.01	20.08	20.17
	1	5	19.90	20.15	20.22
	3	0	19.47	19.02	19.49
	3	1	19.46	19.13	19.50
	3	3	19.45	19.10	19.49
	6	0	18.89	19.05	19.27
256QAM	1	0	17.05	17.17	17.29
	1	2	16.93	17.12	17.24
	1	5	16.99	17.14	17.12
	3	0	17.04	17.11	17.24
	3	1	16.95	17.04	17.13
	3	3	16.98	17.08	17.12
	6	0	17.00	17.00	17.26

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21	22.25	19.59	20.84	50
16QAM	19.93	21.2	18.52	19.79	50
64QAM	18.89	20.22	17.48	18.81	50
256QAM	16.93	17.29	15.52	15.88	50

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

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

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26705	CH 26740	CH 26775
			815.5 MHz	819 MHz	822.5 MHz
QPSK	1	0	22.08	22.19	22.31
	1	7	21.96	22.06	22.20
	1	14	21.91	22.06	22.20
	8	0	21.06	21.16	21.30
	8	3	20.99	21.10	21.25
	8	7	20.92	21.05	21.15
	15	0	21.04	21.13	21.20
16QAM	1	0	20.93	21.10	21.22
	1	7	21.06	21.02	21.28
	1	14	21.00	21.03	21.16
	8	0	19.99	20.08	20.20
	8	3	20.02	20.11	20.15
	8	7	19.93	20.01	20.22
	15	0	20.05	20.14	20.22
64QAM	1	0	19.99	20.04	20.18
	1	7	20.09	20.09	20.23
	1	14	19.98	20.03	20.31
	8	0	19.04	19.00	19.13
	8	3	19.09	19.01	19.28
	8	7	18.99	19.05	19.23
	15	0	19.04	19.13	19.22
256QAM	1	0	16.94	17.02	17.22
	1	7	16.97	17.07	17.25
	1	14	17.07	17.01	17.27
	8	0	16.99	17.16	17.23
	8	3	16.98	17.01	17.20
	8	7	17.04	17.05	17.27
	15	0	17.04	17.05	17.14

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	20.92	22.31	19.51	20.9	50
16QAM	19.93	21.28	18.52	19.87	50
64QAM	18.99	20.31	17.58	18.9	50
256QAM	16.94	17.27	15.53	15.86	50

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

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

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26715	CH 26740	CH 26765
			816.5 MHz	819 MHz	821.5 MHz
QPSK	1	0	22.10	22.34	22.32
	1	12	21.99	22.20	22.19
	1	24	21.97	22.30	22.14
	12	0	21.13	21.38	21.32
	12	6	21.04	21.34	21.25
	12	13	21.01	21.23	21.16
	25	0	21.05	21.28	21.24
16QAM	1	0	21.09	21.25	21.21
	1	12	21.10	21.35	21.23
	1	24	21.02	21.37	21.28
	12	0	20.05	20.39	20.32
	12	6	20.13	20.35	20.22
	12	13	20.06	20.39	20.31
	25	0	20.13	20.26	20.17
64QAM	1	0	19.97	20.21	20.16
	1	12	20.10	20.37	20.16
	1	24	20.06	20.29	20.33
	12	0	19.13	19.31	19.18
	12	6	19.09	19.35	19.17
	12	13	19.11	19.29	19.24
	25	0	18.98	19.35	19.30
256QAM	1	0	17.03	17.32	17.25
	1	12	17.12	17.26	17.33
	1	24	17.09	17.31	17.22
	12	0	17.00	17.36	17.18
	12	6	17.12	17.24	17.30
	12	13	16.99	17.21	17.18
	25	0	17.00	17.28	17.21

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.01	22.34	19.6	20.93	50
16QAM	20.05	21.37	18.64	19.96	50
64QAM	18.98	20.37	17.57	18.96	50
256QAM	16.99	17.36	15.58	15.95	50

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

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

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 26740
			819 MHz
QPSK	1	0	22.40
	1	24	22.23
	1	49	22.23
	25	0	21.38
	25	12	21.28
	25	25	21.27
	50	0	21.33
16QAM	1	0	21.21
	1	24	21.33
	1	49	21.29
	25	0	20.23
	25	12	20.34
	25	25	20.33
	50	0	20.31
64QAM	1	0	20.29
	1	24	20.32
	1	49	20.22
	25	0	19.33
	25	12	19.25
	25	25	19.24
	50	0	19.34
256QAM	1	0	17.37
	1	24	17.26
	1	49	17.21
	25	0	17.26
	25	12	17.35
	25	25	17.25
	50	0	17.22

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.27	22.4	19.86	20.99	50
16QAM	20.23	21.33	18.82	19.92	50
64QAM	19.24	20.32	17.83	18.91	50
256QAM	17.21	17.37	15.8	15.96	50

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

7.1.14 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	22.22	22.29	22.26
	1	2	22.06	22.11	22.09
	1	5	21.94	21.93	22.12
	3	0	21.60	21.69	22.23
	3	1	21.42	21.42	22.05
	3	3	21.58	21.48	22.05
	6	0	20.97	21.00	21.22
16QAM	1	0	20.82	20.81	21.21
	1	2	21.20	21.10	21.24
	1	5	21.03	21.09	21.16
	3	0	20.96	20.96	20.50
	3	1	21.07	21.06	20.45
	3	3	21.10	21.04	20.52
	6	0	19.95	20.00	20.18
64QAM	1	0	20.20	20.11	20.11
	1	2	20.06	20.04	20.25
	1	5	19.95	19.96	20.18
	3	0	20.08	20.03	19.64
	3	1	20.08	20.13	19.55
	3	3	20.11	20.09	19.53
	6	0	19.11	19.12	19.24
256QAM	1	0	17.17	17.14	17.14
	1	2	17.10	17.05	17.11
	1	5	17.00	17.02	17.10
	3	0	17.00	17.07	17.15
	3	1	16.99	16.97	17.21
	3	3	16.94	16.96	17.11
	6	0	17.10	17.11	17.13

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	20.97	22.29	19.56	20.88	38.45
16QAM	19.95	21.24	18.54	19.83	38.45
64QAM	19.11	20.25	17.70	18.84	38.45
256QAM	16.94	17.21	15.53	15.80	38.45

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-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	22.25	22.30	22.28
	1	7	22.12	22.12	22.16
	1	14	22.11	21.98	22.12
	8	0	21.30	21.20	21.29
	8	3	21.17	20.97	21.23
	8	7	21.12	21.08	21.16
	15	0	21.20	21.05	21.22
16QAM	1	0	21.16	20.90	21.23
	1	7	21.19	21.20	21.18
	1	14	21.08	21.11	21.11
	8	0	20.20	19.99	20.26
	8	3	20.14	20.14	20.13
	8	7	20.22	20.13	20.13
	15	0	20.22	20.01	20.21
64QAM	1	0	20.15	20.20	20.28
	1	7	20.21	20.09	20.28
	1	14	20.28	20.01	20.12
	8	0	19.11	19.09	19.18
	8	3	19.24	19.15	19.19
	8	7	19.18	19.12	19.29
	15	0	19.13	19.18	19.20
256QAM	1	0	17.20	17.24	17.11
	1	7	17.18	17.12	17.23
	1	14	17.25	17.03	17.22
	8	0	17.21	17.07	17.12
	8	3	17.20	17.00	17.17
	8	7	17.17	17.01	17.12
	15	0	17.08	17.14	17.23

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	20.97	22.30	19.56	20.89	38.45
16QAM	19.99	21.23	18.58	19.82	38.45
64QAM	19.09	20.28	17.68	18.87	38.45
256QAM	17.00	17.25	15.59	15.84	38.45

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-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	22.22	22.38	22.30
	1	12	22.15	22.13	22.19
	1	24	22.08	22.04	22.18
	12	0	21.22	21.23	21.30
	12	6	21.21	21.04	21.23
	12	13	21.06	21.14	21.18
	25	0	21.19	21.14	21.24
16QAM	1	0	21.13	20.95	21.26
	1	12	21.20	21.20	21.24
	1	24	21.26	21.16	21.27
	12	0	20.31	20.02	20.29
	12	6	20.12	20.24	20.32
	12	13	20.23	20.14	20.24
	25	0	20.15	20.10	20.32
64QAM	1	0	20.11	20.22	20.19
	1	12	20.14	20.16	20.24
	1	24	20.27	20.08	20.31
	12	0	19.13	19.12	19.33
	12	6	19.14	19.16	19.21
	12	13	19.14	19.13	19.32
	25	0	19.27	19.25	19.22
256QAM	1	0	17.20	17.26	17.30
	1	12	17.23	17.14	17.29
	1	24	17.12	17.03	17.16
	12	0	17.15	17.11	17.33
	12	6	17.24	17.08	17.21
	12	13	17.09	17.01	17.18
	25	0	17.20	17.16	17.23

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.04	22.38	19.63	20.97	38.45
16QAM	20.02	21.27	18.61	19.86	38.45
64QAM	19.12	20.31	17.71	18.90	38.45
256QAM	17.01	17.33	15.60	15.92	38.45

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-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	22.26	22.39	22.35
	1	24	22.16	22.14	22.33
	1	49	22.20	22.11	22.30
	25	0	21.30	21.23	21.41
	25	12	21.28	21.12	21.31
	25	25	21.21	21.20	21.27
	50	0	21.24	21.24	21.37
16QAM	1	0	21.16	21.04	21.24
	1	24	21.34	21.27	21.37
	1	49	21.37	21.21	21.26
	25	0	20.36	20.05	20.34
	25	12	20.33	20.27	20.34
	25	25	20.31	20.24	20.31
	50	0	20.24	20.16	20.41
64QAM	1	0	20.21	20.22	20.32
	1	24	20.31	20.26	20.42
	1	49	20.26	20.13	20.36
	25	0	19.27	19.22	19.27
	25	12	19.34	19.23	19.27
	25	25	19.29	19.20	19.27
	50	0	19.26	19.29	19.32
256QAM	1	0	17.27	17.26	17.41
	1	24	17.21	17.20	17.26
	1	49	17.26	17.12	17.35
	25	0	17.26	17.17	17.25
	25	12	17.18	17.18	17.38
	25	25	17.17	17.09	17.33
	50	0	17.26	17.17	17.25

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.12	22.39	19.71	20.98	38.45
16QAM	20.05	21.37	18.64	19.96	38.45
64QAM	19.20	20.42	17.79	19.01	38.45
256QAM	17.09	17.41	15.68	16.00	38.45

Note: ERP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)-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	22.40	22.40	22.39
	1	37	22.43	22.23	22.23
	1	74	22.16	22.31	22.23
	36	0	22.23	22.19	22.28
	36	19	21.38	21.38	21.29
	36	39	21.41	21.28	21.28
	75	0	21.19	21.32	21.27
16QAM	1	0	21.21	21.21	21.13
	1	37	21.39	21.33	21.33
	1	74	21.32	21.39	21.29
	36	0	21.29	21.27	21.28
	36	19	20.23	20.23	20.13
	36	39	20.29	20.34	20.34
	75	0	20.33	20.35	20.33
64QAM	1	0	20.29	20.29	20.26
	1	37	20.42	20.32	20.32
	1	74	20.27	20.40	20.22
	36	0	20.22	20.20	20.32
	36	19	19.33	19.33	19.24
	36	39	19.41	19.25	19.25
	75	0	19.25	19.35	19.24
256QAM	1	0	17.37	17.37	17.36
	1	37	17.38	17.26	17.26
	1	74	17.25	17.25	17.21
	36	0	17.21	17.21	17.24
	36	19	17.26	17.26	17.17
	36	39	17.26	17.35	17.35
	75	0	17.26	17.33	17.25

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.19	22.43	19.78	21.02	38.45
16QAM	20.13	21.39	18.72	19.98	38.45
64QAM	19.23	20.42	17.82	19.01	38.45
256QAM	17.15	17.38	15.74	15.97	38.45

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

7.1.15 LTE Band 38

LTE Band 38, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 37775	CH 38000	CH 38225
			2572.5 MHz	2595 MHz	2617.5 MHz
QPSK	1	0	19.34	19.28	19.06
	1	12	19.24	19.19	18.99
	1	24	19.23	19.17	19.02
	12	0	18.33	18.26	18.09
	12	6	18.23	18.18	18.05
	12	13	18.17	18.14	17.95
	25	0	18.29	18.21	18.04
16QAM	1	0	18.19	18.19	18.12
	1	12	18.32	18.28	18.00
	1	24	18.24	18.12	18.12
	12	0	17.21	17.12	17.09
	12	6	17.30	17.24	16.94
	12	13	17.34	17.10	17.05
	25	0	17.16	17.12	17.03
64QAM	1	0	17.21	17.11	17.04
	1	12	17.28	17.12	17.11
	1	24	17.31	17.21	17.01
	12	0	16.26	16.15	16.09
	12	6	16.16	16.14	16.03
	12	13	16.25	16.25	16.07
	25	0	16.27	16.11	16.00
256QAM	1	0	14.16	14.21	14.06
	1	12	14.25	14.17	14.06
	1	24	14.27	14.13	14.01
	12	0	14.23	14.22	14.09
	12	6	14.30	14.24	14.07
	12	13	14.30	14.28	14.07
	25	0	14.22	14.13	14.06

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	17.95	19.34	18.64	20.03	33.01
16QAM	16.94	18.32	17.63	19.01	33.01
64QAM	16.00	17.31	16.69	18.00	33.01
256QAM	14.01	14.30	14.70	14.99	33.01

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

LTE Band 38, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 37800	CH 38000	CH 38200
			2575 MHz	2595 MHz	2615 MHz
QPSK	1	0	19.35	19.29	19.13
	1	24	19.20	19.18	19.02
	1	49	19.26	19.19	19.05
	25	0	18.38	18.32	18.11
	25	12	18.32	18.27	18.06
	25	25	18.23	18.20	18.00
	50	0	18.30	18.23	18.09
16QAM	1	0	18.23	18.20	18.13
	1	24	18.24	18.31	17.98
	1	49	18.35	18.18	18.05
	25	0	17.21	17.19	16.98
	25	12	17.31	17.26	17.08
	25	25	17.30	17.23	17.00
	50	0	17.29	17.34	16.99
64QAM	1	0	17.22	17.18	17.13
	1	24	17.33	17.31	17.11
	1	49	17.24	17.20	17.12
	25	0	16.25	16.18	16.11
	25	12	16.30	16.23	16.02
	25	25	16.32	16.30	16.13
	50	0	16.29	16.34	15.97
256QAM	1	0	14.25	14.16	14.09
	1	24	14.27	14.26	14.13
	1	49	14.25	14.27	13.98
	25	0	14.33	14.24	14.11
	25	12	14.24	14.26	14.06
	25	25	14.26	14.30	14.05
	50	0	14.27	14.28	14.01

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	18.00	19.35	18.69	20.04	33.01
16QAM	16.98	18.35	17.67	19.04	33.01
64QAM	15.97	17.33	16.66	18.02	33.01
256QAM	13.98	14.33	14.67	15.02	33.01

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

LTE Band 38, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 37825	CH 38000	CH 38175
			2577.5 MHz	2595 MHz	2612.5 MHz
QPSK	1	0	19.40	19.35	19.16
	1	37	19.30	19.19	19.02
	1	74	19.24	19.24	19.03
	36	0	18.41	18.35	18.14
	36	19	18.35	18.27	18.10
	36	39	18.27	18.21	18.05
	75	0	18.34	18.27	18.12
16QAM	1	0	18.30	18.35	18.13
	1	37	18.31	18.24	18.16
	1	74	18.30	18.23	18.17
	36	0	17.29	17.17	17.18
	36	19	17.31	17.30	17.15
	36	39	17.28	17.24	17.00
	75	0	17.28	17.31	17.16
64QAM	1	0	17.38	17.27	17.09
	1	37	17.38	17.18	17.09
	1	74	17.32	17.35	17.16
	36	0	16.36	16.19	16.11
	36	19	16.26	16.28	16.14
	36	39	16.30	16.26	16.16
	75	0	16.30	16.25	16.06
256QAM	1	0	14.33	14.30	14.00
	1	37	14.25	14.22	14.00
	1	74	14.38	14.23	14.11
	36	0	14.38	14.19	14.08
	36	19	14.27	14.26	14.10
	36	39	14.38	14.32	14.15
	75	0	14.34	14.20	14.09

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	18.05	19.40	18.74	20.09	33.01
16QAM	17.00	18.35	17.69	19.04	33.01
64QAM	16.06	17.38	16.75	18.07	33.01
256QAM	14.00	14.38	14.69	15.07	33.01

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

LTE Band 38, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 37850	CH 38000	CH 38150
			2580 MHz	2595 MHz	2610 MHz
QPSK	1	0	19.43	19.36	19.19
	1	50	19.32	19.23	19.03
	1	99	19.24	19.23	18.99
	50	0	18.45	18.32	18.16
	50	25	18.31	18.24	18.08
	50	50	18.29	18.21	18.06
	100	0	18.35	18.25	18.08
16QAM	1	0	18.39	18.26	18.13
	1	50	18.37	18.19	18.03
	1	99	18.27	18.18	18.06
	50	0	17.37	17.34	17.00
	50	25	17.40	17.33	17.01
	50	50	17.35	17.18	17.03
	100	0	17.36	17.26	17.08
64QAM	1	0	17.37	17.33	17.17
	1	50	17.36	17.31	17.16
	1	99	17.26	17.20	17.14
	50	0	16.24	16.19	16.12
	50	25	16.35	16.25	16.16
	50	50	16.33	16.27	16.00
	100	0	16.26	16.31	16.14
256QAM	1	0	14.32	14.27	14.13
	1	50	14.34	14.24	14.12
	1	99	14.32	14.25	14.13
	50	0	14.40	14.33	14.05
	50	25	14.34	14.18	14.01
	50	50	14.34	14.18	14.12
	100	0	14.36	14.33	14.15

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	18.06	19.43	18.75	20.12	33.01
16QAM	17.00	18.39	17.69	19.08	33.01
64QAM	16.00	17.37	16.69	18.06	33.01
256QAM	14.01	14.40	14.70	15.09	33.01

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

7.1.16 LTE Band 41

LTE Band 41, PC2, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 39675	CH 40620	CH 41565
			2498.5 MHz	2593 MHz	2687.5 MHz
QPSK	1	0	19.70	19.79	19.66
	1	12	19.62	19.75	19.57
	1	24	19.55	19.67	19.56
	12	0	18.69	18.81	18.68
	12	6	18.64	18.73	18.62
	12	13	18.55	18.72	18.52
	25	0	18.63	18.79	18.60
16QAM	1	0	18.60	18.83	18.65
	1	12	18.69	18.78	18.55
	1	24	18.55	18.77	18.65
	12	0	17.68	17.81	17.54
	12	6	17.62	17.78	17.58
	12	13	17.56	17.67	17.63
	25	0	17.63	17.66	17.63
64QAM	1	0	17.69	17.78	17.55
	1	12	17.57	17.82	17.66
	1	24	17.57	17.75	17.68
	12	0	16.68	16.66	16.53
	12	6	16.64	16.69	16.57
	12	13	16.57	16.67	16.57
	25	0	16.61	16.70	16.56
256QAM	1	0	14.70	14.67	14.57
	1	12	14.57	14.74	14.64
	1	24	14.66	14.71	14.51
	12	0	14.56	14.68	14.52
	12	6	14.69	14.83	14.64
	12	13	14.68	14.79	14.56
	25	0	14.66	14.69	14.56

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	14.81	17.22	16.80	19.21	33.01
16QAM	13.93	16.18	15.92	18.17	33.01
64QAM	12.89	15.15	14.88	17.14	33.01
256QAM	10.80	12.21	12.79	14.20	33.01

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

LTE Band 41, PC2, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 39700	CH 40620	CH 41540
			2501 MHz	2593 MHz	2685 MHz
QPSK	1	0	19.73	19.85	19.70
	1	24	19.60	19.75	19.59
	1	49	19.63	19.73	19.67
	25	0	18.73	18.86	18.72
	25	12	18.64	18.79	18.65
	25	25	18.58	18.72	18.63
	50	0	18.64	18.79	18.69
16QAM	1	0	18.71	18.77	18.73
	1	24	18.65	18.68	18.60
	1	49	18.75	18.74	18.70
	25	0	17.73	17.85	17.63
	25	12	17.71	17.68	17.75
	25	25	17.65	17.68	17.61
	50	0	17.63	17.81	17.67
64QAM	1	0	17.63	17.74	17.74
	1	24	17.73	17.77	17.62
	1	49	17.66	17.81	17.61
	25	0	16.57	16.78	16.60
	25	12	16.58	16.81	16.75
	25	25	16.62	16.75	16.73
	50	0	16.68	16.80	16.64
256QAM	1	0	14.71	14.86	14.60
	1	24	14.62	14.68	14.76
	1	49	14.70	14.77	14.64
	25	0	14.66	14.70	14.76
	25	12	14.66	14.81	14.72
	25	25	14.71	14.70	14.64
	50	0	14.59	14.71	14.62

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	18.58	19.85	20.57	21.84	33.01
16QAM	17.61	18.77	19.6	20.76	33.01
64QAM	16.57	17.81	18.56	19.8	33.01
256QAM	14.59	14.86	16.58	16.85	33.01

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

LTE Band 41, PC2, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 39725	CH 40620	CH 41515
			2503.5 MHz	2593 MHz	2682.5 MHz
QPSK	1	0	19.76	19.87	19.77
	1	37	19.69	19.81	19.73
	1	74	19.60	19.73	19.71
	36	0	18.75	18.91	18.81
	36	19	18.69	18.85	18.74
	36	39	18.64	18.79	18.66
	75	0	18.69	18.85	18.72
16QAM	1	0	18.70	18.75	18.81
	1	37	18.67	18.75	18.76
	1	74	18.64	18.91	18.66
	36	0	17.73	17.74	17.65
	36	19	17.64	17.89	17.79
	36	39	17.75	17.90	17.83
	75	0	17.78	17.78	17.81
64QAM	1	0	17.64	17.81	17.65
	1	37	17.74	17.75	17.68
	1	74	17.64	17.90	17.71
	36	0	16.65	16.89	16.73
	36	19	16.68	16.75	16.75
	36	39	16.63	16.86	16.78
	75	0	16.78	16.82	16.77
256QAM	1	0	14.74	14.83	14.66
	1	37	14.78	14.80	14.65
	1	74	14.66	14.81	14.75
	36	0	14.76	14.80	14.83
	36	19	14.62	14.75	14.66
	36	39	14.75	14.81	14.77
	75	0	14.76	14.79	14.80

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	18.64	19.87	20.63	21.86	33.01
16QAM	17.64	18.91	19.63	20.9	33.01
64QAM	16.63	17.9	18.62	19.89	33.01
256QAM	14.62	14.83	16.61	16.82	33.01

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

LTE Band 41, PC2, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 39750	CH 40620	CH 41490
			2506 MHz	2593 MHz	2680 MHz
QPSK	1	0	19.82	19.93	19.84
	1	50	19.73	19.81	19.71
	1	99	19.68	19.82	19.65
	50	0	18.78	18.88	18.83
	50	25	18.68	18.85	18.77
	50	50	18.67	18.79	18.71
	100	0	18.73	18.84	18.74
16QAM	1	0	18.67	18.82	18.78
	1	50	18.64	18.80	18.76
	1	99	18.61	18.88	18.65
	50	0	17.78	17.81	17.79
	50	25	17.66	17.84	17.81
	50	50	17.76	17.90	17.79
	100	0	17.75	17.75	17.72
64QAM	1	0	17.64	17.90	17.72
	1	50	17.74	17.87	17.77
	1	99	17.70	17.83	17.78
	50	0	16.66	16.89	16.74
	50	25	16.78	16.82	16.71
	50	50	16.64	16.90	16.70
	100	0	16.76	16.85	16.75
256QAM	1	0	14.74	14.75	14.65
	1	50	14.70	14.87	14.75
	1	99	14.61	14.82	14.77
	50	0	14.69	14.82	14.68
	50	25	14.77	14.74	14.68
	50	50	14.67	14.90	14.76
	100	0	14.71	14.87	14.79

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	18.67	19.93	20.66	21.92	33.01
16QAM	17.66	18.88	19.65	20.87	33.01
64QAM	16.64	17.9	18.63	19.89	33.01
256QAM	14.61	14.9	16.6	16.89	33.01

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

LTE Band 41, PC3, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 39675	CH 40620	CH 41565
			2498.5 MHz	2593 MHz	2687.5 MHz
QPSK	1	0	16.90	15.95	17.22
	1	12	16.73	15.86	17.09
	1	24	16.81	15.83	17.04
	12	0	15.91	14.98	16.21
	12	6	15.86	14.90	16.15
	12	13	15.76	14.81	16.07
	25	0	15.87	14.90	16.13
16QAM	1	0	15.77	14.88	16.10
	1	12	15.82	14.92	16.11
	1	24	15.87	14.98	16.18
	12	0	14.78	13.93	15.14
	12	6	14.81	13.94	15.06
	12	13	14.84	13.94	15.14
	25	0	14.89	13.96	15.10
64QAM	1	0	14.89	13.92	15.13
	1	12	14.77	13.93	15.15
	1	24	14.86	13.94	15.10
	12	0	13.82	12.93	14.07
	12	6	13.89	12.90	14.07
	12	13	13.81	12.89	14.07
	25	0	13.88	12.94	14.22
256QAM	1	0	11.91	10.80	12.21
	1	12	11.82	10.84	12.13
	1	24	11.79	10.83	12.07
	12	0	11.77	10.98	12.15
	12	6	11.82	10.82	12.05
	12	13	11.80	10.98	12.19
	25	0	11.78	10.86	12.08

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	14.81	17.22	16.80	19.21	33.01
16QAM	13.93	16.18	15.92	18.17	33.01
64QAM	12.89	15.15	14.88	17.14	33.01
256QAM	10.80	12.21	12.79	14.20	33.01

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

LTE Band 41, PC3, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 39700	CH 40620	CH 41540
			2501 MHz	2593 MHz	2685 MHz
QPSK	1	0	16.93	15.99	17.24
	1	24	16.78	15.84	17.11
	1	49	16.82	15.85	17.10
	25	0	15.94	14.97	16.23
	25	12	15.88	14.90	16.20
	25	25	15.81	14.87	16.14
	50	0	15.90	14.91	16.17
16QAM	1	0	15.84	14.88	16.14
	1	24	15.80	14.84	16.21
	1	49	15.97	14.87	16.14
	25	0	14.79	13.86	15.15
	25	12	14.86	13.82	15.14
	25	25	14.90	13.89	15.25
	50	0	14.83	13.94	15.11
64QAM	1	0	14.92	13.88	15.25
	1	24	14.91	13.87	15.18
	1	49	14.85	14.00	15.18
	25	0	13.91	12.96	14.14
	25	12	13.81	12.98	14.15
	25	25	13.84	12.97	14.20
	50	0	13.87	12.89	14.24
256QAM	1	0	11.86	10.93	12.24
	1	24	11.81	11.00	12.09
	1	49	11.93	10.98	12.08
	25	0	11.93	10.87	12.21
	25	12	11.92	10.88	12.20
	25	25	11.80	10.88	12.21
	50	0	11.83	10.96	12.18

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	14.87	17.24	16.86	19.23	33.01
16QAM	13.82	16.21	15.81	18.20	33.01
64QAM	12.89	15.25	14.88	17.24	33.01
256QAM	10.87	12.24	12.86	14.23	33.01

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

LTE Band 41, PC3, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 39725	CH 40620	CH 41515
			2503.5 MHz	2593 MHz	2682.5 MHz
QPSK	1	0	16.98	16.01	17.27
	1	37	16.86	15.93	17.12
	1	74	16.87	15.91	17.19
	36	0	15.97	15.06	16.26
	36	19	15.91	14.96	16.22
	36	39	15.87	14.94	16.12
	75	0	15.91	14.98	16.21
16QAM	1	0	15.94	15.03	16.22
	1	37	15.84	14.98	16.18
	1	74	15.98	14.95	16.19
	36	0	14.85	13.98	15.29
	36	19	14.97	14.00	15.29
	36	39	14.89	13.91	15.25
	75	0	14.87	14.00	15.21
64QAM	1	0	14.94	13.95	15.25
	1	37	14.83	14.04	15.26
	1	74	14.99	13.94	15.23
	36	0	13.95	12.96	14.13
	36	19	14.00	12.99	14.14
	36	39	13.95	13.00	14.21
	75	0	13.88	12.94	14.19
256QAM	1	0	11.92	10.98	12.26
	1	37	11.89	11.03	12.28
	1	74	11.99	10.95	12.14
	36	0	11.84	11.02	12.18
	36	19	11.85	10.94	12.27
	36	39	11.95	10.97	12.17
	75	0	11.99	10.93	12.20

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	14.94	17.27	16.93	19.26	33.01
16QAM	13.91	16.22	15.90	18.21	33.01
64QAM	12.94	15.26	14.93	17.25	33.01
256QAM	10.93	12.28	12.92	14.27	33.01

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

LTE Band 41, PC3, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 39750	CH 40620	CH 41490
			2506 MHz	2593 MHz	2680 MHz
QPSK	1	0	17.02	16.08	17.30
	1	50	16.82	15.97	17.16
	1	99	16.91	15.93	17.12
	50	0	16.00	15.04	16.27
	50	25	15.95	14.97	16.21
	50	50	15.88	14.93	16.13
	100	0	15.94	15.01	16.20
16QAM	1	0	15.86	15.05	16.26
	1	50	15.83	14.92	16.16
	1	99	15.81	14.99	16.14
	50	0	14.85	13.91	15.28
	50	25	14.90	14.04	15.14
	50	50	14.98	13.97	15.13
	100	0	14.97	13.96	15.28
64QAM	1	0	15.00	13.99	15.29
	1	50	14.83	13.98	15.27
	1	99	14.97	13.92	15.21
	50	0	13.95	13.03	14.29
	50	25	13.96	12.97	14.14
	50	50	13.91	13.01	14.22
	100	0	13.90	12.95	14.17
256QAM	1	0	11.95	11.06	12.24
	1	50	11.91	11.06	12.24
	1	99	11.84	10.93	12.22
	50	0	11.99	10.92	12.27
	50	25	11.94	10.89	12.23
	50	50	11.99	11.07	12.17
	100	0	11.85	11.01	12.25

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	14.93	17.30	16.92	19.29	33.01
16QAM	13.91	16.26	15.90	18.25	33.01
64QAM	12.95	15.29	14.94	17.28	33.01
256QAM	10.89	12.27	12.88	14.26	33.01

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

7.1.17 LTE Band 42 (3.45 GHz ~ 3.55 GHz)

LTE Band 42 (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 42115	CH 42590	CH 43065
			3452.5 MHz	3500 MHz	3547.5 MHz
QPSK	1	0	13.33	13.32	13.28
	1	12	13.23	13.06	13.23
	1	24	13.19	13.08	13.15
	12	0	12.32	12.28	12.31
	12	6	12.23	12.27	12.22
	12	13	12.21	12.11	12.20
	25	0	12.24	12.16	12.21
16QAM	1	0	12.31	12.23	12.15
	1	12	12.26	12.28	12.21
	1	24	12.20	12.24	12.19
	12	0	11.25	11.15	11.23
	12	6	11.16	11.11	11.12
	12	13	11.29	11.16	11.29
	25	0	11.26	11.18	11.27
64QAM	1	0	11.25	11.11	11.17
	1	12	11.22	11.15	11.26
	1	24	11.29	11.27	11.15
	12	0	10.22	10.14	10.23
	12	6	10.32	10.26	10.30
	12	13	10.32	10.09	10.25
	25	0	10.24	10.26	10.16
256QAM	1	0	8.33	8.23	8.32
	1	12	8.25	8.14	8.23
	1	24	8.30	8.19	8.23
	12	0	8.29	8.13	8.18
	12	6	8.25	8.09	8.16
	12	13	8.25	8.13	8.20
	25	0	8.30	8.24	8.16

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	12.11	13.33	14.57	15.79	30
16QAM	11.11	12.31	13.57	14.77	30
64QAM	10.09	11.29	12.55	13.75	30
256QAM	8.09	8.33	10.55	10.79	30

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

LTE Band 42 (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 42140	CH 42590	CH 43040
			3455 MHz	3500 MHz	3545 MHz
QPSK	1	0	13.35	13.33	13.30
	1	24	13.21	13.17	13.21
	1	49	13.16	13.19	13.24
	25	0	12.33	12.31	12.35
	25	12	12.29	12.24	12.29
	25	25	12.20	12.15	12.20
	50	0	12.30	12.24	12.37
16QAM	1	0	12.34	12.20	12.32
	1	24	12.25	12.16	12.24
	1	49	12.35	12.27	12.37
	25	0	11.21	11.23	11.22
	25	12	11.30	11.39	11.32
	25	25	11.17	11.17	11.37
	50	0	11.23	11.25	11.23
64QAM	1	0	11.25	11.30	11.33
	1	24	11.32	11.21	11.41
	1	49	11.18	11.15	11.20
	25	0	10.20	10.32	10.35
	25	12	10.24	10.35	10.39
	25	25	10.26	10.24	10.33
	50	0	10.31	10.26	10.25
256QAM	1	0	8.34	8.23	8.37
	1	24	8.17	8.31	8.20
	1	49	8.35	8.27	8.36
	25	0	8.17	8.31	8.23
	25	12	8.18	8.31	8.27
	25	25	8.30	8.34	8.27
	50	0	8.33	8.28	8.41

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	12.15	13.35	14.61	15.81	30
16QAM	11.17	12.37	13.63	14.83	30
64QAM	10.20	11.41	12.66	13.87	30
256QAM	8.17	8.41	10.63	10.87	30

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

LTE Band 42 (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 42165	CH 42590	CH 43015
			3457.5 MHz	3500 MHz	3542.5 MHz
QPSK	1	0	13.36	13.35	13.39
	1	37	13.22	13.22	13.27
	1	74	13.24	13.24	13.23
	36	0	12.37	12.29	12.40
	36	19	12.32	12.31	12.35
	36	39	12.25	12.22	12.16
	75	0	12.30	12.27	12.32
16QAM	1	0	12.38	12.25	12.22
	1	37	12.28	12.41	12.17
	1	74	12.29	12.24	12.33
	36	0	11.31	11.38	11.39
	36	19	11.24	11.20	11.23
	36	39	11.30	11.17	11.26
	75	0	11.29	11.23	11.26
64QAM	1	0	11.34	11.26	11.26
	1	37	11.37	11.18	11.28
	1	74	11.23	11.24	11.23
	36	0	10.23	10.30	10.30
	36	19	10.32	10.28	10.37
	36	39	10.37	10.36	10.19
	75	0	10.25	10.33	10.35
256QAM	1	0	8.22	8.20	8.19
	1	37	8.26	8.25	8.26
	1	74	8.34	8.38	8.27
	36	0	8.37	8.19	8.24
	36	19	8.30	8.29	8.20
	36	39	8.26	8.28	8.26
	75	0	8.33	8.23	8.36

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	12.16	13.39	14.62	15.85	30
16QAM	11.17	12.41	13.63	14.87	30
64QAM	10.19	11.37	12.65	13.83	30
256QAM	8.19	8.38	10.65	10.84	30

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

LTE Band 42 (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 42190	CH 42590	CH 42990
			3460 MHz	3500 MHz	3540 MHz
QPSK	1	0	13.45	13.48	13.47
	1	50	13.28	13.33	13.29
	1	99	13.26	13.28	13.29
	50	0	12.41	12.36	12.38
	50	25	12.35	12.31	12.37
	50	50	12.32	12.20	12.29
	100	0	12.40	12.31	12.34
16QAM	1	0	12.44	12.24	12.35
	1	50	12.45	12.38	12.32
	1	99	12.42	12.37	12.32
	50	0	11.37	11.30	11.41
	50	25	11.30	11.41	11.28
	50	50	11.35	11.30	11.25
	100	0	11.37	11.41	11.33
64QAM	1	0	11.28	11.33	11.36
	1	50	11.32	11.38	11.26
	1	99	11.33	11.32	11.28
	50	0	10.37	10.39	10.31
	50	25	10.39	10.37	10.33
	50	50	10.35	10.36	10.35
	100	0	10.32	10.30	10.21
256QAM	1	0	8.43	8.35	8.38
	1	50	8.40	8.38	8.36
	1	99	8.27	8.22	8.34
	50	0	8.29	8.39	8.36
	50	25	8.27	8.34	8.34
	50	50	8.34	8.28	8.29
	100	0	8.31	8.22	8.35

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	12.20	13.48	14.66	15.94	30
16QAM	11.25	12.45	13.71	14.91	30
64QAM	10.21	11.38	12.67	13.84	30
256QAM	8.22	8.43	10.68	10.89	30

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

7.1.18 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	17.70	17.90	17.64
	1	2	17.56	17.74	17.61
	1	5	17.57	17.76	17.55
	3	0	17.63	17.87	17.56
	3	1	17.51	17.71	17.60
	3	3	17.55	17.72	17.50
	6	0	16.68	16.83	16.61
16QAM	1	0	16.70	16.88	16.53
	1	2	16.58	16.74	16.56
	1	5	16.66	16.89	16.65
	3	0	15.56	15.84	15.66
	3	1	15.61	15.87	15.66
	3	3	15.64	15.83	15.62
	6	0	15.64	15.77	15.67
64QAM	1	0	15.65	15.77	15.62
	1	2	15.63	15.74	15.59
	1	5	15.59	15.74	15.59
	3	0	14.67	14.87	14.51
	3	1	14.60	14.79	14.52
	3	3	14.73	14.74	14.62
	6	0	14.72	14.81	14.56
256QAM	1	0	12.70	12.81	12.67
	1	2	12.61	12.76	12.64
	1	5	12.58	12.76	12.58
	3	0	12.60	12.79	12.51
	3	1	12.59	12.80	12.60
	3	3	12.67	12.87	12.55
	6	0	12.58	12.76	12.52

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	16.61	17.90	17.64	18.93	30
16QAM	15.56	16.89	16.59	17.92	30
64QAM	14.51	15.77	15.54	16.80	30
256QAM	12.51	12.87	13.54	13.90	30

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	17.74	17.91	17.70
	1	7	17.69	17.77	17.66
	1	14	17.65	17.82	17.63
	8	0	16.77	16.90	16.75
	8	3	16.72	16.84	16.67
	8	7	16.64	16.75	16.62
	15	0	16.69	16.81	16.65
16QAM	1	0	16.77	16.82	16.63
	1	7	16.67	16.77	16.75
	1	14	16.70	16.85	16.61
	8	0	15.63	15.91	15.62
	8	3	15.59	15.88	15.65
	8	7	15.64	15.82	15.69
	15	0	15.69	15.87	15.69
64QAM	1	0	15.59	15.80	15.60
	1	7	15.72	15.89	15.71
	1	14	15.72	15.80	15.58
	8	0	14.70	14.83	14.75
	8	3	14.71	14.89	14.62
	8	7	14.69	14.85	14.59
	15	0	14.69	14.80	14.63
256QAM	1	0	12.60	12.73	12.68
	1	7	12.68	12.88	12.66
	1	14	12.64	12.79	12.69
	8	0	12.65	12.78	12.63
	8	3	12.63	12.80	12.67
	8	7	12.68	12.83	12.70
	15	0	12.60	12.73	12.59

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	16.62	17.91	17.65	18.94	30
16QAM	15.59	16.85	16.62	17.88	30
64QAM	14.59	15.89	15.62	16.92	30
256QAM	12.59	12.88	13.62	13.91	30

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	17.78	17.92	17.77
	1	12	17.67	17.83	17.64
	1	24	17.69	17.75	17.64
	12	0	16.75	16.88	16.80
	12	6	16.72	16.84	16.75
	12	13	16.64	16.78	16.66
	25	0	16.73	16.84	16.74
16QAM	1	0	16.76	16.75	16.65
	1	12	16.70	16.85	16.69
	1	24	16.62	16.85	16.66
	12	0	15.73	15.74	15.77
	12	6	15.76	15.78	15.67
	12	13	15.67	15.87	15.75
	25	0	15.79	15.87	15.76
64QAM	1	0	15.77	15.91	15.68
	1	12	15.66	15.86	15.68
	1	24	15.71	15.91	15.65
	12	0	14.64	14.84	14.77
	12	6	14.76	14.86	14.69
	12	13	14.75	14.79	14.80
	25	0	14.76	14.74	14.69
256QAM	1	0	12.69	12.90	12.69
	1	12	12.74	12.86	12.70
	1	24	12.72	12.75	12.68
	12	0	12.74	12.91	12.68
	12	6	12.76	12.76	12.66
	12	13	12.70	12.86	12.68
	25	0	12.78	12.87	12.63

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	16.64	17.92	17.67	18.95	30
16QAM	15.67	16.85	16.70	17.88	30
64QAM	14.64	15.91	15.67	16.94	30
256QAM	12.63	12.91	13.66	13.94	30

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	17.80	17.93	17.81
	1	24	17.69	17.87	17.69
	1	49	17.69	17.77	17.65
	25	0	16.82	16.92	16.82
	25	12	16.79	16.90	16.72
	25	25	16.72	16.82	16.71
	50	0	16.75	16.80	16.72
16QAM	1	0	16.74	16.90	16.80
	1	24	16.72	16.88	16.78
	1	49	16.68	16.80	16.81
	25	0	15.81	15.91	15.74
	25	12	15.72	15.93	15.73
	25	25	15.71	15.92	15.76
	50	0	15.80	15.94	15.80
64QAM	1	0	15.77	15.92	15.69
	1	24	15.70	15.91	15.79
	1	49	15.83	15.88	15.72
	25	0	14.80	14.88	14.77
	25	12	14.76	14.94	14.75
	25	25	14.77	14.82	14.76
	50	0	14.68	14.90	14.75
256QAM	1	0	12.67	12.95	12.74
	1	24	12.84	12.89	12.82
	1	49	12.80	12.80	12.77
	25	0	12.68	12.83	12.65
	25	12	12.71	12.82	12.76
	25	25	12.77	12.86	12.67
	50	0	12.77	12.91	12.65

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	16.71	17.93	17.74	18.96	30
16QAM	15.71	16.90	16.74	17.93	30
64QAM	14.68	15.92	15.71	16.95	30
256QAM	12.65	12.95	13.68	13.98	30

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	17.86	17.97	17.84
	1	37	17.78	17.85	17.76
	1	74	17.76	17.79	17.78
	36	0	16.83	16.92	16.86
	36	19	16.82	16.89	16.80
	36	39	16.72	16.81	16.73
	75	0	16.77	16.82	16.83
16QAM	1	0	16.75	16.93	16.76
	1	37	16.82	16.84	16.77
	1	74	16.87	16.87	16.76
	36	0	15.69	15.94	15.89
	36	19	15.71	15.96	15.88
	36	39	15.83	15.82	15.78
	75	0	15.76	15.87	15.89
64QAM	1	0	15.71	15.87	15.88
	1	37	15.72	15.94	15.73
	1	74	15.82	15.93	15.83
	36	0	14.82	14.87	14.84
	36	19	14.85	14.92	14.86
	36	39	14.75	14.94	14.89
	75	0	14.72	14.87	14.72
256QAM	1	0	12.83	12.83	12.73
	1	37	12.81	12.95	12.84
	1	74	12.75	12.95	12.89
	36	0	12.79	12.84	12.83
	36	19	12.70	12.79	12.82
	36	39	12.87	12.95	12.72
	75	0	12.83	12.79	12.86

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	16.72	17.97	17.75	19.00	30
16QAM	15.69	16.93	16.72	17.96	30
64QAM	14.72	15.94	15.75	16.97	30
256QAM	12.70	12.95	13.73	13.98	30

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	17.91	17.99	17.95
	1	50	17.77	17.87	17.79
	1	99	17.71	17.80	17.75
	50	0	16.86	16.96	16.93
	50	25	16.79	16.86	16.85
	50	50	16.73	16.79	16.78
	100	0	16.78	16.87	16.85
16QAM	1	0	16.72	16.93	16.83
	1	50	16.83	16.96	16.82
	1	99	16.76	16.83	16.85
	50	0	15.73	15.83	15.92
	50	25	15.81	15.79	15.93
	50	50	15.77	15.85	15.80
	100	0	15.82	15.86	15.82
64QAM	1	0	15.72	15.82	15.93
	1	50	15.86	15.81	15.92
	1	99	15.72	15.85	15.89
	50	0	14.70	14.83	14.92
	50	25	14.85	14.90	14.81
	50	50	14.82	14.93	14.84
	100	0	14.73	14.89	14.91
256QAM	1	0	12.73	12.92	12.77
	1	50	12.80	12.86	12.91
	1	99	12.80	12.85	12.80
	50	0	12.83	12.96	12.77
	50	25	12.87	12.78	12.81
	50	50	12.85	12.85	12.92
	100	0	12.75	12.91	12.85

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	16.73	17.99	17.76	19.02	30
16QAM	15.73	16.96	16.76	17.99	30
64QAM	14.70	15.93	15.73	16.96	30
256QAM	12.73	12.96	13.76	13.99	30

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

7.1.19 LTE Band 71

LTE Band 71, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 133147	CH 133297	CH 133447
			665.5 MHz	680.5 MHz	695.5 MHz
QPSK	1	0	23.20	23.22	23.16
	1	12	23.15	23.07	23.05
	1	24	23.05	23.13	23.01
	12	0	22.21	22.23	22.18
	12	6	22.16	22.16	22.10
	12	13	22.07	22.10	22.06
	25	0	22.13	22.16	22.08
16QAM	1	0	22.15	22.16	22.08
	1	12	22.16	22.11	22.18
	1	24	22.10	22.14	22.08
	12	0	21.06	21.08	21.03
	12	6	21.23	21.13	21.18
	12	13	21.12	21.18	21.09
	25	0	21.15	21.18	21.09
64QAM	1	0	21.15	21.13	21.04
	1	12	21.22	21.12	21.11
	1	24	21.12	21.23	21.08
	12	0	20.16	20.14	20.03
	12	6	20.05	20.20	20.07
	12	13	20.13	20.22	20.13
	25	0	20.11	20.16	20.16
256QAM	1	0	18.10	18.21	18.13
	1	12	18.22	18.06	18.04
	1	24	18.18	18.17	18.04
	12	0	18.23	18.13	18.01
	12	6	18.22	18.10	18.05
	12	13	18.18	18.06	18.13
	25	0	18.12	18.16	18.01

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.06	23.22	22.31	23.47	34.77
16QAM	21.03	22.18	21.28	22.43	34.77
64QAM	20.03	21.23	20.28	21.48	34.77
256QAM	18.01	18.23	18.26	18.48	34.77

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

LTE Band 71, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 133172	CH 133297	CH 133422
			668 MHz	680.5 MHz	693 MHz
QPSK	1	0	23.24	23.25	23.20
	1	24	23.07	23.09	23.09
	1	49	23.06	23.11	23.04
	25	0	22.23	22.24	22.16
	25	12	22.19	22.19	22.13
	25	25	22.10	22.10	22.03
	50	0	22.16	22.18	22.13
16QAM	1	0	22.22	22.26	22.18
	1	24	22.18	22.23	22.17
	1	49	22.08	22.23	22.07
	25	0	21.22	21.10	21.10
	25	12	21.09	21.23	21.09
	25	25	21.07	21.27	21.11
	50	0	21.16	21.23	21.07
64QAM	1	0	21.09	21.13	21.17
	1	24	21.22	21.15	21.13
	1	49	21.07	21.20	21.07
	25	0	20.06	20.15	20.09
	25	12	20.10	20.18	20.15
	25	25	20.23	20.23	20.06
	50	0	20.09	20.15	20.16
256QAM	1	0	18.06	18.11	18.05
	1	24	18.13	18.18	18.08
	1	49	18.18	18.26	18.16
	25	0	18.06	18.23	18.04
	25	12	18.21	18.19	18.06
	25	25	18.19	18.16	18.17
	50	0	18.18	18.20	18.09

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.03	23.25	22.28	23.5	34.77
16QAM	21.07	22.26	21.32	22.51	34.77
64QAM	20.06	21.22	20.31	21.47	34.77
256QAM	18.04	18.26	18.29	18.51	34.77

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

LTE Band 71, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 133197	CH 133297	CH 133397
			670.5 MHz	680.5 MHz	690.5 MHz
QPSK	1	0	23.25	23.28	23.21
	1	37	23.09	23.10	23.04
	1	74	23.10	23.14	23.09
	36	0	22.21	22.23	22.21
	36	19	22.20	22.22	22.13
	36	39	22.08	22.12	22.08
	75	0	22.16	22.20	22.18
16QAM	1	0	22.14	22.25	22.12
	1	37	22.14	22.14	22.23
	1	74	22.11	22.26	22.23
	36	0	21.12	21.19	21.09
	36	19	21.12	21.24	21.11
	36	39	21.18	21.19	21.22
	75	0	21.21	21.11	21.06
64QAM	1	0	21.21	21.11	21.06
	1	37	21.08	21.18	21.16
	1	74	21.15	21.24	21.08
	36	0	20.11	20.14	20.12
	36	19	20.16	20.16	20.22
	36	39	20.19	20.10	20.14
	75	0	20.25	20.25	20.15
256QAM	1	0	18.18	18.27	18.12
	1	37	18.11	18.12	18.20
	1	74	18.14	18.25	18.19
	36	0	18.11	18.27	18.21
	36	19	18.24	18.27	18.11
	36	39	18.21	18.12	18.08
	75	0	18.11	18.18	18.17

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.08	23.28	22.33	23.53	34.77
16QAM	21.06	22.26	21.31	22.51	34.77
64QAM	20.1	21.24	20.35	21.49	34.77
256QAM	18.08	18.27	18.33	18.52	34.77

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

LTE Band 71, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 133222	CH 133297	CH 133372
			673 MHz	680.5 MHz	688 MHz
QPSK	1	0	23.27	23.29	23.23
	1	50	23.12	23.12	23.12
	1	99	23.12	23.13	23.09
	50	0	22.24	22.25	22.20
	50	25	22.14	22.20	22.18
	50	50	22.13	22.12	22.06
	100	0	22.18	22.22	22.15
16QAM	1	0	22.14	22.11	22.17
	1	50	22.25	22.24	22.20
	1	99	22.11	22.21	22.06
	50	0	21.09	21.11	21.12
	50	25	21.24	21.21	21.18
	50	50	21.10	21.17	21.18
	100	0	21.22	21.25	21.15
64QAM	1	0	21.23	21.26	21.06
	1	50	21.11	21.11	21.18
	1	99	21.21	21.23	21.17
	50	0	20.17	20.11	20.06
	50	25	20.10	20.18	20.16
	50	50	20.18	20.25	20.15
	100	0	20.22	20.17	20.12
256QAM	1	0	18.22	18.18	18.11
	1	50	18.18	18.27	18.11
	1	99	18.20	18.18	18.18
	50	0	18.25	18.12	18.22
	50	25	18.24	18.13	18.11
	50	50	18.10	18.13	18.16
	100	0	18.24	18.15	18.09

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.06	23.29	22.31	23.54	34.77
16QAM	21.09	22.25	21.34	22.5	34.77
64QAM	20.06	21.26	20.31	21.51	34.77
256QAM	18.09	18.27	18.34	18.52	34.77

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

7.2 Radiated Spurious Emissions below 1GHz

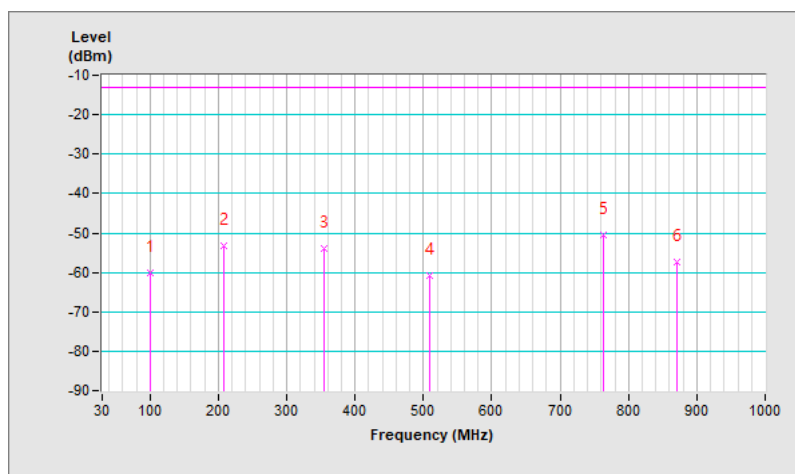
7.2.1 WCDMA Band 2

RF Mode	WCDMA Band 2	Channel	CH 9262 : 1852.4 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	99.84	-60.15	-13.00	-47.15	1.49 H	234	52.65	-112.80
2	207.51	-53.38	-13.00	-40.38	1.00 H	240	58.13	-111.51
3	354.95	-54.11	-13.00	-41.11	1.00 H	19	52.27	-106.38
4	508.21	-60.92	-13.00	-47.92	1.49 H	198	41.80	-102.72
5	764.29	-50.39	-13.00	-37.39	2.00 H	8	47.15	-97.54
6	870.02	-57.35	-13.00	-44.35	1.49 H	359	39.23	-96.58

Remarks:

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

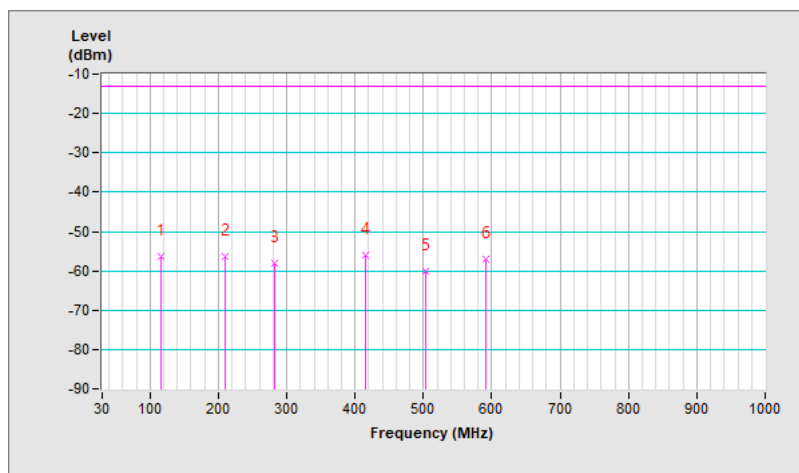


RF Mode	WCDMA Band 2	Channel	CH 9262 : 1852.4 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison Lee		

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	116.33	-56.39	-13.00	-43.39	2.00 V	77	54.36	-110.75
2	209.45	-56.51	-13.00	-43.51	1.01 V	316	55.00	-111.51
3	282.20	-58.19	-13.00	-45.19	1.50 V	133	49.78	-107.97
4	416.06	-56.01	-13.00	-43.01	1.01 V	10	48.78	-104.79
5	502.39	-60.20	-13.00	-47.20	1.01 V	98	42.66	-102.86
6	590.66	-57.06	-13.00	-44.06	1.01 V	12	43.53	-100.59

Remarks:

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



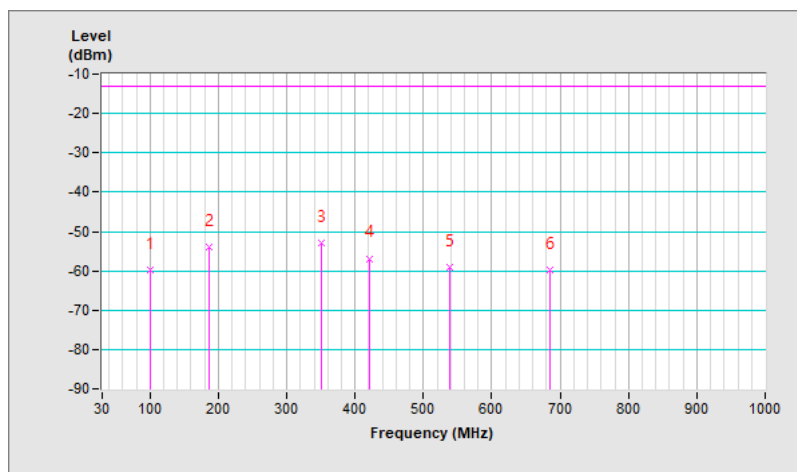
7.2.2 WCDMA Band 4

RF Mode	WCDMA Band 4	Channel	CH 1413 : 1732.6 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	99.84	-59.72	-13.00	-46.72	1.50 H	34	53.08	-112.80
2	187.14	-54.09	-13.00	-41.09	1.50 H	280	56.69	-110.78
3	350.10	-53.02	-13.00	-40.02	1.01 H	21	53.42	-106.44
4	421.88	-56.86	-13.00	-43.86	1.01 H	165	47.69	-104.55
5	538.28	-59.04	-13.00	-46.04	1.50 H	200	43.10	-102.14
6	684.75	-59.78	-13.00	-46.78	1.50 H	225	39.18	-98.96

Remarks:

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

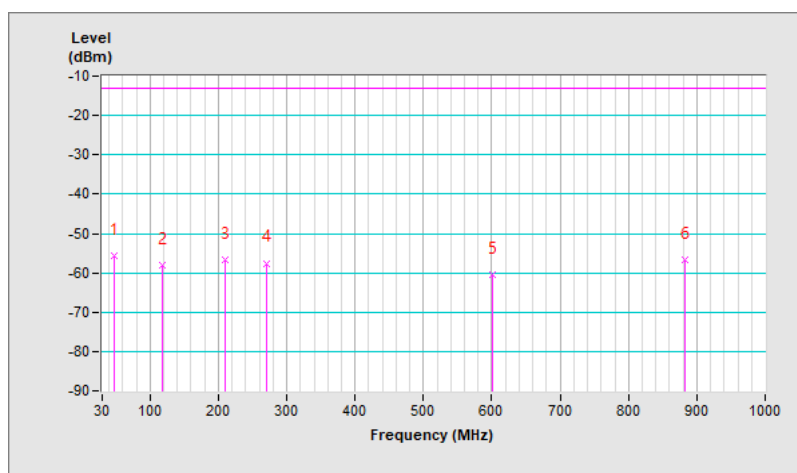


RF Mode	WCDMA Band 4	Channel	CH 1413 : 1732.6 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison Lee		

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	47.46	-55.51	-13.00	-42.51	2.00 V	7	52.85	-108.36
2	117.30	-57.97	-13.00	-44.97	1.49 V	17	52.62	-110.59
3	210.42	-56.76	-13.00	-43.76	1.00 V	308	54.74	-111.50
4	269.59	-57.55	-13.00	-44.55	1.49 V	74	51.00	-108.55
5	601.33	-60.34	-13.00	-47.34	1.00 V	354	39.90	-100.24
6	883.60	-56.61	-13.00	-43.61	1.49 V	316	39.69	-96.30

Remarks:

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



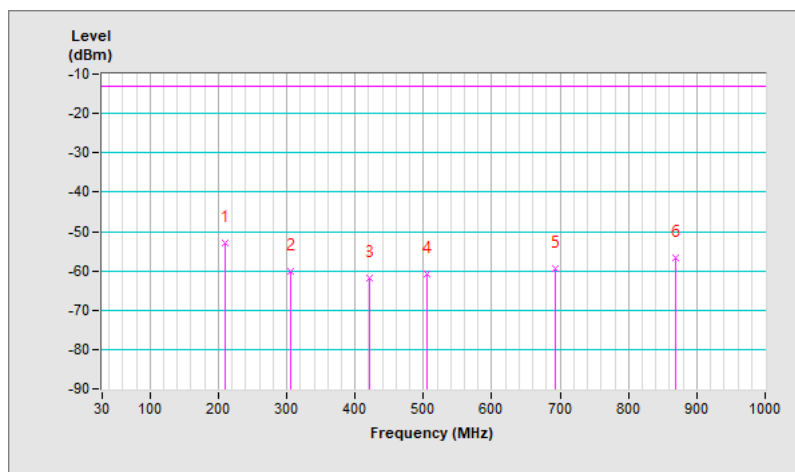
7.2.3 WCDMA Band 5

RF Mode	WCDMA Band 5	Channel	CH 4233 : 846.6 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	210.42	-52.77	-13.00	-39.77	2.00 H	237	58.73	-111.50
2	306.45	-60.25	-13.00	-47.25	1.49 H	54	47.05	-107.30
3	420.91	-61.81	-13.00	-48.81	1.49 H	176	42.78	-104.59
4	504.33	-60.92	-13.00	-47.92	1.49 H	216	41.90	-102.82
5	693.48	-59.59	-13.00	-46.59	2.00 H	109	39.34	-98.93
6	868.08	-56.62	-13.00	-43.62	1.49 H	124	40.03	-96.65

Remarks:

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

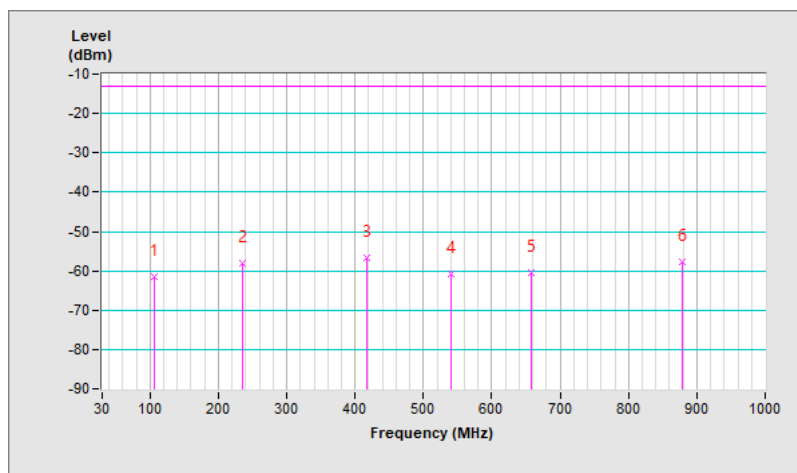


RF Mode	WCDMA Band 5	Channel	CH 4233 : 846.6 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison Lee		

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	105.66	-61.57	-13.00	-48.57	2.00 V	5	50.33	-111.90
2	235.64	-58.00	-13.00	-45.00	1.01 V	91	51.94	-109.94
3	418.00	-56.76	-13.00	-43.76	1.01 V	152	47.95	-104.71
4	541.19	-60.95	-13.00	-47.95	2.00 V	152	41.14	-102.09
5	658.56	-60.62	-13.00	-47.62	1.01 V	177	38.89	-99.51
6	879.72	-57.66	-13.00	-44.66	1.01 V	148	38.73	-96.39

Remarks:

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



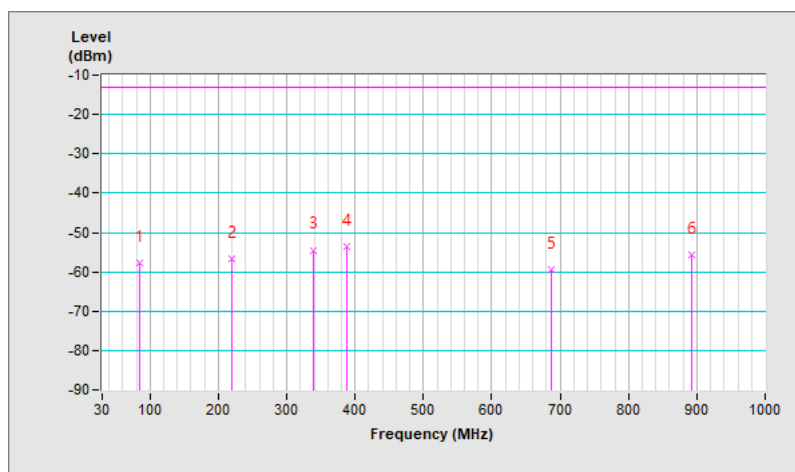
7.2.4 LTE Band 2

RF Mode	LTE Band 2 Channel Bandwidth: 20MHz	Channel	CH 18700 : 1860 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	85.29	-57.79	-13.00	-44.79	2.00 H	147	56.29	-114.08
2	219.15	-56.74	-13.00	-43.74	1.51 H	283	54.84	-111.58
3	339.43	-54.46	-13.00	-41.46	1.01 H	69	52.03	-106.49
4	386.96	-53.66	-13.00	-40.66	2.00 H	161	51.76	-105.42
5	686.69	-59.50	-13.00	-46.50	2.00 H	127	39.45	-98.95
6	893.30	-55.82	-13.00	-42.82	1.01 H	149	40.26	-96.08

Remarks:

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

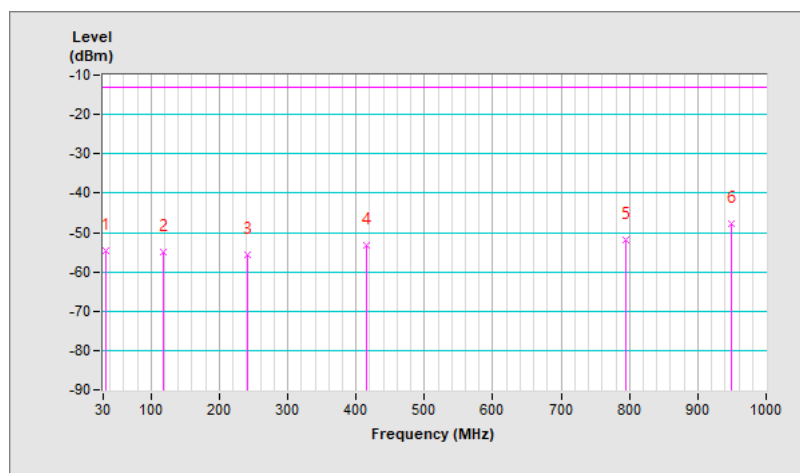


RF Mode	LTE Band 2 Channel Bandwidth: 20MHz	Channel	CH 18700 : 1860 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison Lee		

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	34.85	-54.56	-13.00	-41.56	1.00 V	324	54.72	-109.28
2	117.30	-54.96	-13.00	-41.96	1.00 V	6	55.63	-110.59
3	240.49	-55.82	-13.00	-42.82	1.00 V	81	53.83	-109.65
4	416.06	-53.43	-13.00	-40.43	1.00 V	179	51.36	-104.79
5	795.33	-51.85	-13.00	-38.85	1.00 V	17	45.52	-97.37
6	949.56	-47.68	-13.00	-34.68	1.00 V	234	47.50	-95.18

Remarks:

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



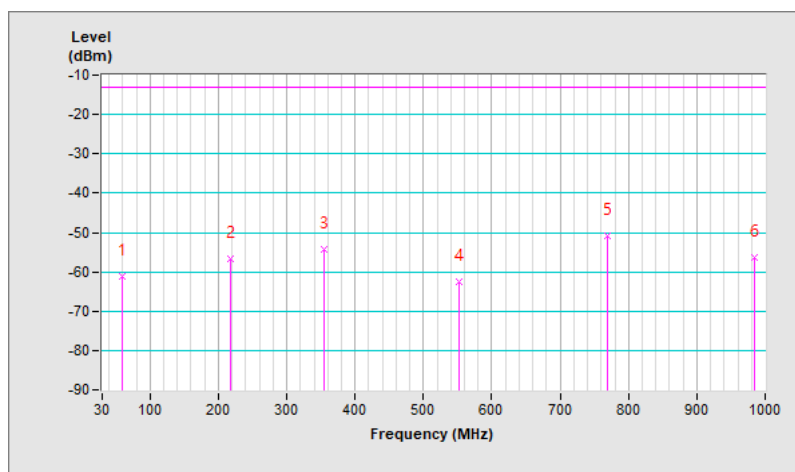
7.2.5 LTE Band 4

RF Mode	LTE Band 4 Channel Bandwidth: 20MHz	Channel	CH 20050 : 1720 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	60.07	-61.31	-13.00	-48.31	2.00 H	248	47.87	-109.18
2	217.21	-56.84	-13.00	-43.84	1.00 H	293	54.74	-111.58
3	353.98	-54.29	-13.00	-41.29	1.00 H	17	52.10	-106.39
4	551.86	-62.47	-13.00	-49.47	1.00 H	261	39.38	-101.85
5	769.14	-50.74	-13.00	-37.74	1.50 H	211	46.67	-97.41
6	984.48	-56.22	-13.00	-43.22	1.50 H	47	38.15	-94.37

Remarks:

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

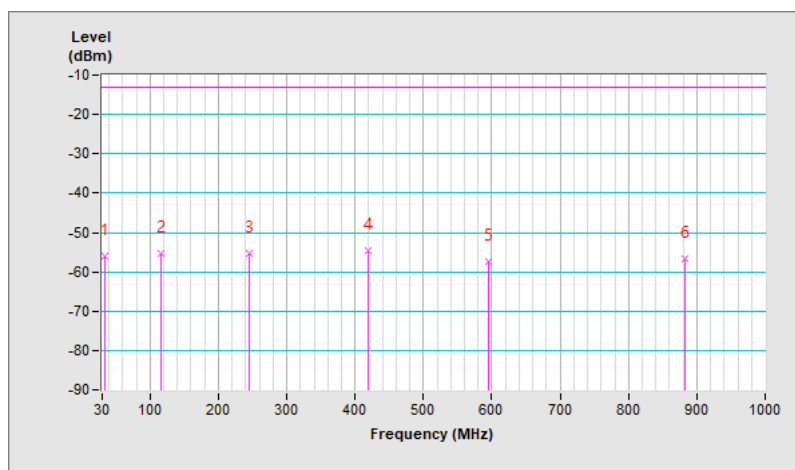


RF Mode	LTE Band 4 Channel Bandwidth: 20MHz	Channel	CH 20050 : 1720 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison Lee		

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	34.85	-56.03	-13.00	-43.03	1.50 V	101	53.25	-109.28
2	115.36	-55.35	-13.00	-42.35	1.00 V	287	55.49	-110.84
3	244.37	-55.37	-13.00	-42.37	1.00 V	57	54.13	-109.50
4	419.94	-54.78	-13.00	-41.78	1.50 V	75	49.87	-104.65
5	595.51	-57.25	-13.00	-44.25	1.00 V	330	43.14	-100.39
6	882.63	-56.70	-13.00	-43.70	1.00 V	321	39.62	-96.32

Remarks:

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



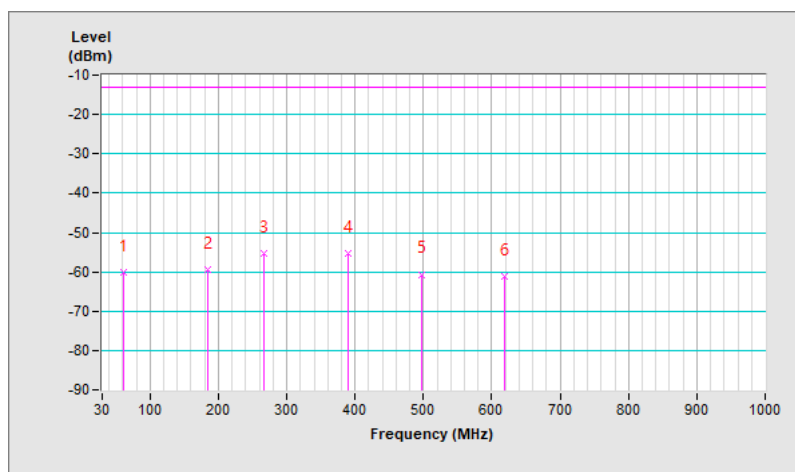
7.2.6 LTE Band 5

RF Mode	LTE Band 5 Channel Bandwidth: 10MHz	Channel	CH 20450 : 829 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	61.04	-60.29	-13.00	-47.29	1.00 H	273	48.91	-109.20
2	184.23	-59.47	-13.00	-46.47	1.49 H	125	50.96	-110.43
3	265.71	-55.34	-13.00	-42.34	1.00 H	47	53.43	-108.77
4	389.87	-55.30	-13.00	-42.30	1.49 H	174	50.06	-105.36
5	496.57	-60.64	-13.00	-47.64	1.49 H	38	42.33	-102.97
6	617.82	-61.08	-13.00	-48.08	1.49 H	11	39.03	-100.11

Remarks:

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

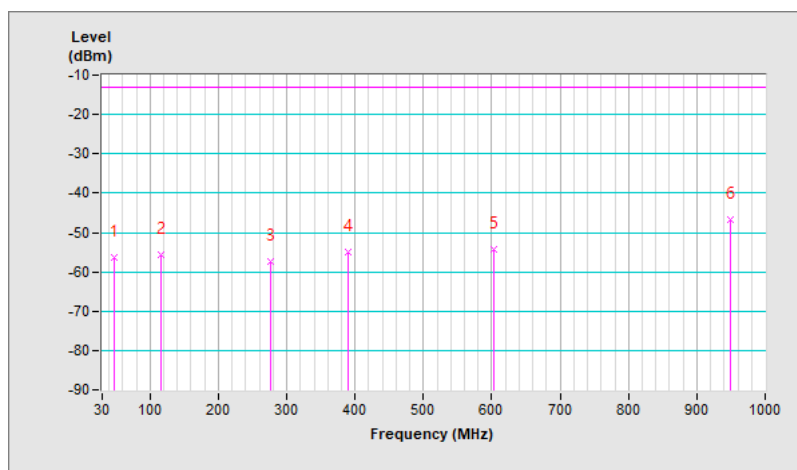


RF Mode	LTE Band 5 Channel Bandwidth: 10MHz	Channel	CH 20450 : 829 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison Lee		

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	48.43	-56.24	-13.00	-43.24	1.50 V	129	52.07	-108.31
2	116.33	-55.63	-13.00	-42.63	1.01 V	156	55.12	-110.75
3	276.38	-57.41	-13.00	-44.41	1.50 V	182	50.79	-108.20
4	388.90	-55.09	-13.00	-42.09	1.01 V	207	50.29	-105.38
5	602.30	-54.18	-13.00	-41.18	1.01 V	315	46.05	-100.23
6	948.59	-46.89	-13.00	-33.89	1.01 V	178	48.30	-95.19

Remarks:

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



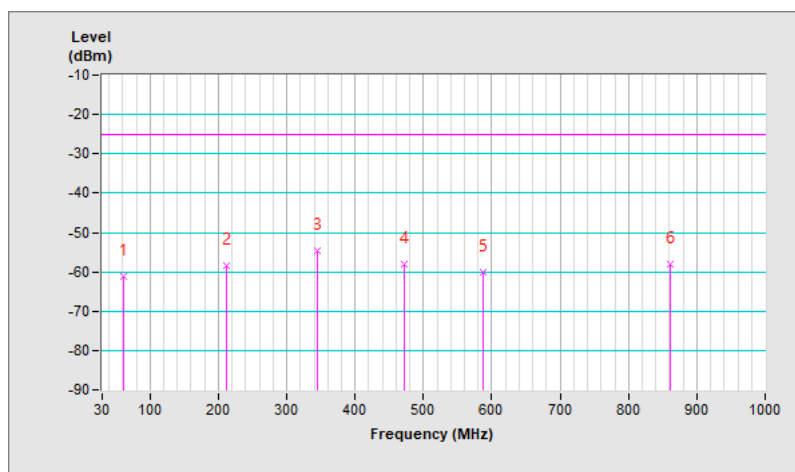
7.2.7 LTE Band 7

RF Mode	LTE Band 7 Channel Bandwidth: 20MHz	Channel	CH 21350 : 2560 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	61.04	-61.12	-25.00	-36.12	1.50 H	209	48.08	-109.20
2	211.39	-58.43	-25.00	-33.43	1.01 H	285	53.09	-111.52
3	345.25	-54.49	-25.00	-29.49	1.01 H	47	52.02	-106.51
4	471.35	-58.19	-25.00	-33.19	1.01 H	242	44.98	-103.17
5	586.78	-60.13	-25.00	-35.13	1.50 H	45	40.57	-100.70
6	860.32	-58.00	-25.00	-33.00	1.01 H	327	38.78	-96.78

Remarks:

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

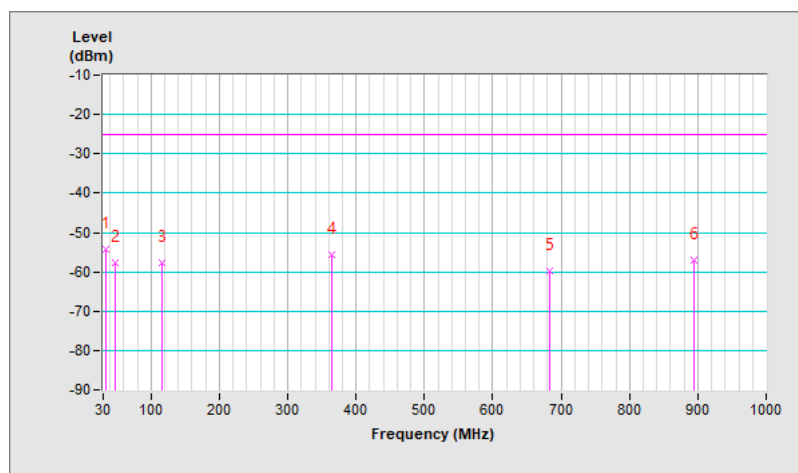


RF Mode	LTE Band 7 Channel Bandwidth: 20MHz	Channel	CH 21350 : 2560 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison Lee		

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	34.85	-54.29	-25.00	-29.29	1.00 V	324	54.99	-109.28
2	48.43	-57.84	-25.00	-32.84	1.49 V	76	50.47	-108.31
3	115.36	-57.59	-25.00	-32.59	1.00 V	207	53.25	-110.84
4	364.65	-55.68	-25.00	-30.68	1.00 V	34	50.42	-106.10
5	682.81	-59.65	-25.00	-34.65	1.49 V	134	39.47	-99.12
6	894.27	-56.99	-25.00	-31.99	1.49 V	150	39.09	-96.08

Remarks:

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



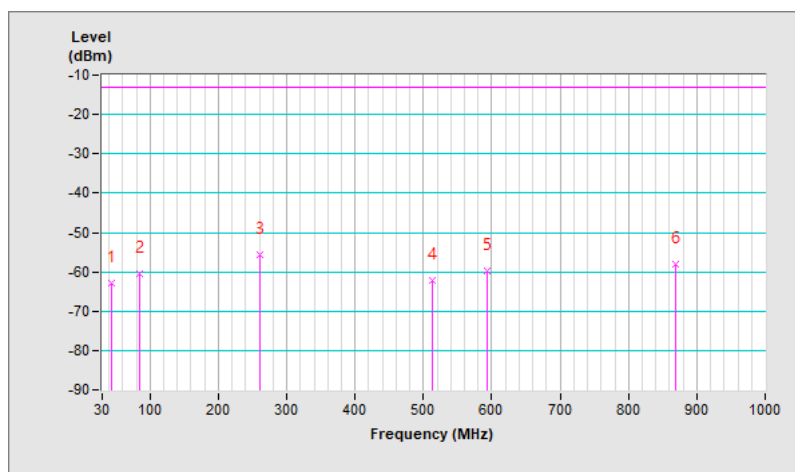
7.2.8 LTE Band 12

RF Mode	LTE Band 12 Channel Bandwidth: 10MHz	Channel	CH 23060 : 704 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	43.58	-62.83	-13.00	-49.83	1.50 H	283	45.70	-108.53
2	84.32	-60.54	-13.00	-47.54	1.50 H	100	53.44	-113.98
3	259.89	-55.50	-13.00	-42.50	1.01 H	54	53.51	-109.01
4	512.09	-62.06	-13.00	-49.06	1.50 H	12	40.54	-102.60
5	592.60	-59.88	-13.00	-46.88	1.50 H	225	40.63	-100.51
6	869.05	-58.11	-13.00	-45.11	1.01 H	151	38.51	-96.62

Remarks:

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

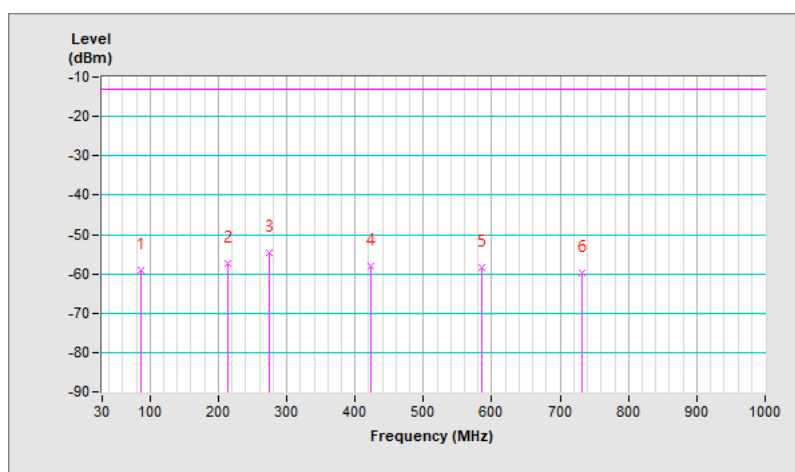


RF Mode	LTE Band 12 Channel Bandwidth: 10MHz	Channel	CH 23060 : 704 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison Lee		

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	86.26	-58.94	-13.00	-45.94	1.49 V	148	55.26	-114.20
2	214.30	-57.53	-13.00	-44.53	1.49 V	299	54.04	-111.57
3	275.41	-54.58	-13.00	-41.58	1.00 V	58	53.66	-108.24
4	423.82	-58.00	-13.00	-45.00	1.00 V	209	46.46	-104.46
5	585.81	-58.36	-13.00	-45.36	2.00 V	239	42.36	-100.72
6	732.28	-59.94	-13.00	-46.94	1.49 V	348	38.60	-98.54

Remarks:

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



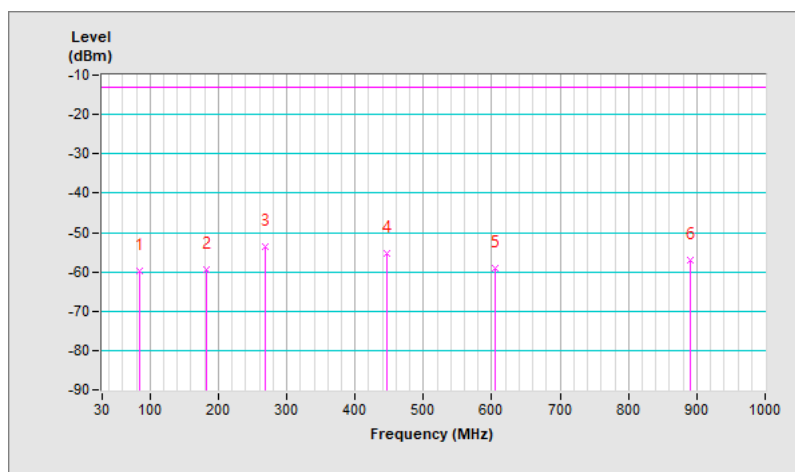
7.2.9 LTE Band 13

RF Mode	LTE Band 13 Channel Bandwidth: 10MHz	Channel	CH 23230 : 782 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	85.29	-59.68	-13.00	-46.68	2.00 H	204	54.46	-114.14
2	182.29	-59.48	-13.00	-46.48	1.49 H	114	50.78	-110.26
3	268.62	-53.72	-13.00	-40.72	1.00 H	235	55.01	-108.73
4	446.13	-55.35	-13.00	-42.35	1.00 H	310	48.33	-103.68
5	604.24	-59.12	-13.00	-46.12	1.49 H	6	41.22	-100.34
6	890.39	-56.95	-13.00	-43.95	1.49 H	331	39.39	-96.34

Remarks:

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

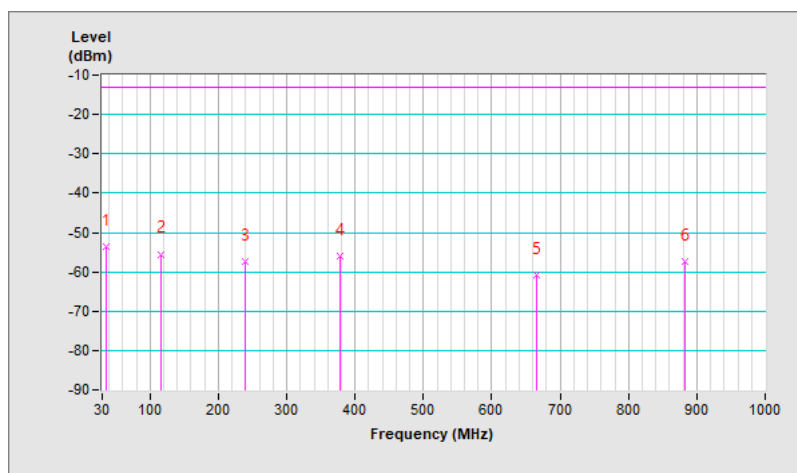


RF Mode	LTE Band 13 Channel Bandwidth: 10MHz	Channel	CH 23230 : 782 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison Lee		

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	36.79	-53.74	-13.00	-40.74	1.00 V	119	55.39	-109.13
2	116.33	-55.49	-13.00	-42.49	1.00 V	32	55.35	-110.84
3	239.52	-57.35	-13.00	-44.35	1.00 V	6	52.47	-109.82
4	377.26	-56.00	-13.00	-43.00	1.00 V	30	49.79	-105.79
5	666.32	-60.71	-13.00	-47.71	1.49 V	12	38.89	-99.60
6	883.60	-57.41	-13.00	-44.41	1.00 V	340	39.10	-96.51

Remarks:

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



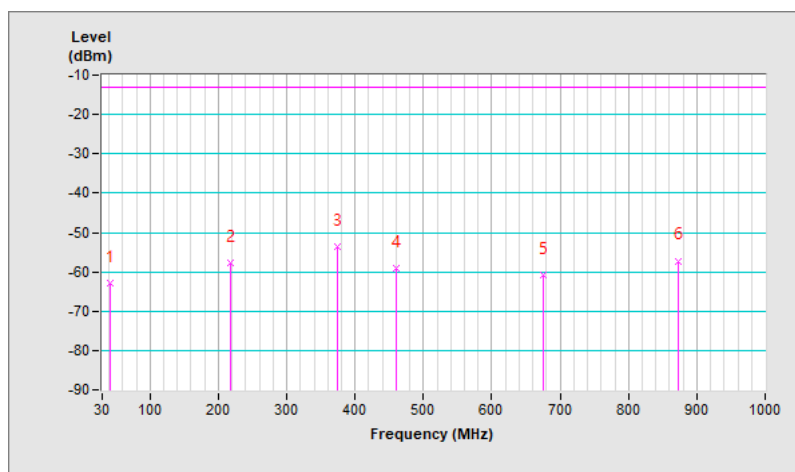
7.2.10 LTE Band 14

RF Mode	LTE Band 14 Channel Bandwidth: 10MHz	Channel	CH 23330 : 793 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	42.61	-63.00	-13.00	-50.00	1.49 H	219	45.56	-108.56
2	218.18	-57.61	-13.00	-44.61	1.49 H	312	54.05	-111.66
3	373.38	-53.74	-13.00	-40.74	1.00 H	338	52.15	-105.89
4	459.71	-59.04	-13.00	-46.04	1.00 H	5	44.38	-103.42
5	676.02	-60.66	-13.00	-47.66	2.00 H	62	38.91	-99.57
6	871.96	-57.21	-13.00	-44.21	1.00 H	60	39.54	-96.75

Remarks:

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

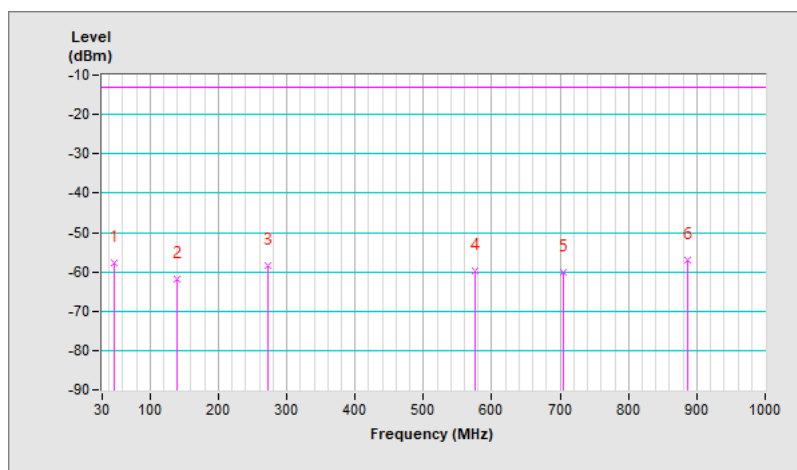


RF Mode	LTE Band 14 Channel Bandwidth: 10MHz	Channel	CH 23330 : 793 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison Lee		

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	47.46	-57.83	-13.00	-44.83	1.50 V	14	50.56	-108.39
2	139.61	-61.90	-13.00	-48.90	1.01 V	286	46.81	-108.71
3	273.47	-58.38	-13.00	-45.38	1.50 V	191	50.08	-108.46
4	575.14	-59.83	-13.00	-46.83	1.01 V	53	41.41	-101.24
5	705.12	-60.08	-13.00	-47.08	1.01 V	117	38.91	-98.99
6	887.48	-57.09	-13.00	-44.09	1.01 V	239	39.32	-96.41

Remarks:

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



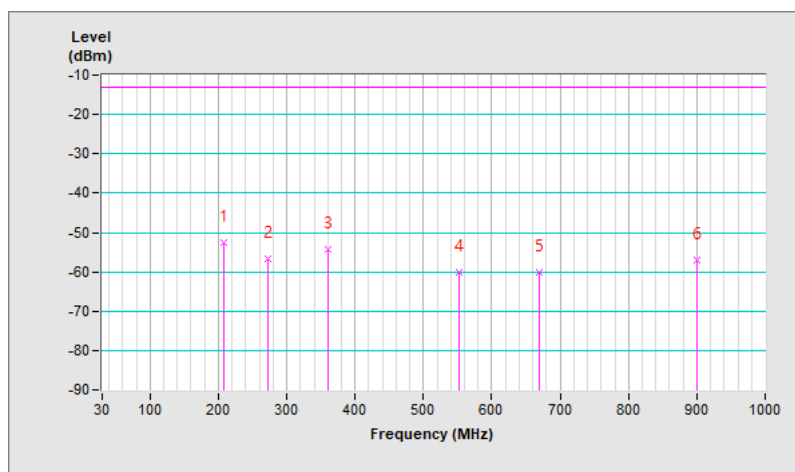
7.2.11 LTE Band 17

RF Mode	LTE Band 17 Channel Bandwidth: 10MHz	Channel	CH 23790 : 710 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	208.48	-52.41	-13.00	-39.41	2.00 H	219	59.10	-111.51
2	271.53	-56.85	-13.00	-43.85	1.01 H	74	51.60	-108.45
3	360.77	-54.27	-13.00	-41.27	1.01 H	199	51.99	-106.26
4	551.86	-60.10	-13.00	-47.10	1.50 H	55	41.75	-101.85
5	670.20	-60.23	-13.00	-47.23	1.50 H	326	39.21	-99.44
6	900.09	-57.08	-13.00	-44.08	1.01 H	33	38.90	-95.98

Remarks:

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

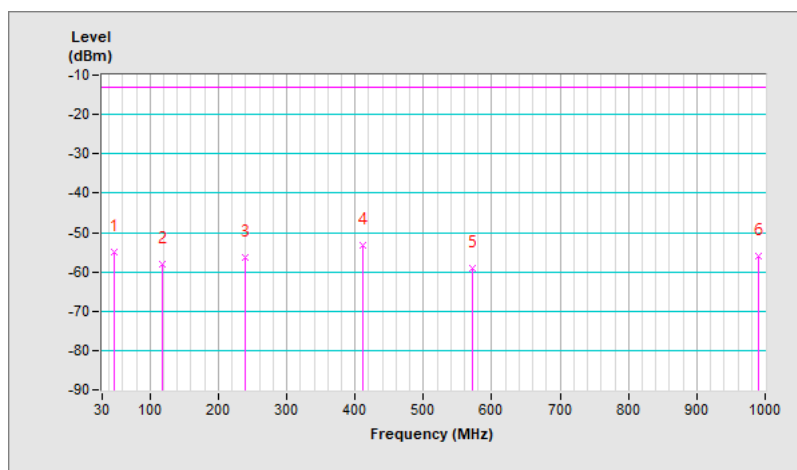


RF Mode	LTE Band 17 Channel Bandwidth: 10MHz	Channel	CH 23790 : 710 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison Lee		

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	47.46	-54.90	-13.00	-41.90	2.00 V	281	53.46	-108.36
2	117.30	-58.15	-13.00	-45.15	1.49 V	345	52.44	-110.59
3	238.55	-56.19	-13.00	-43.19	1.49 V	8	53.57	-109.76
4	411.21	-53.42	-13.00	-40.42	1.49 V	150	51.50	-104.92
5	572.23	-59.18	-13.00	-46.18	1.00 V	325	42.03	-101.21
6	990.30	-56.15	-13.00	-43.15	1.00 V	247	38.10	-94.25

Remarks:

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



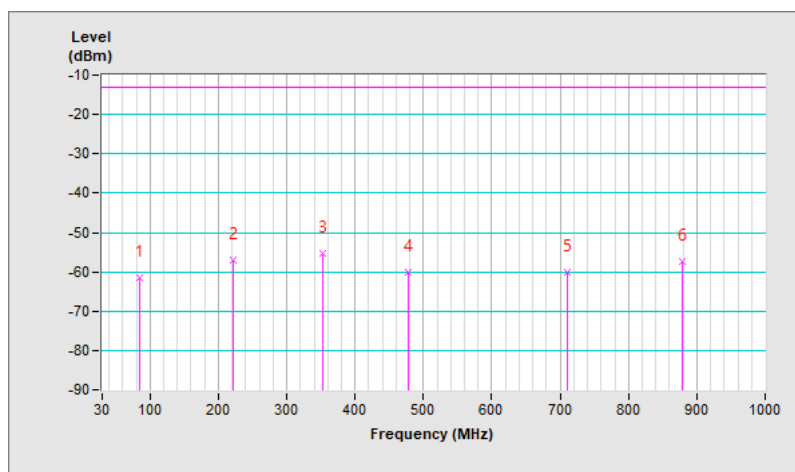
7.2.12 LTE Band 25

RF Mode	LTE Band 25 Channel Bandwidth: 20MHz	Channel	CH 26365 : 1882.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	84.32	-61.48	-13.00	-48.48	1.50 H	141	52.50	-113.98
2	221.09	-57.19	-13.00	-44.19	1.01 H	293	54.34	-111.53
3	353.01	-55.31	-13.00	-42.31	1.01 H	35	51.09	-106.40
4	477.17	-60.03	-13.00	-47.03	1.01 H	302	43.09	-103.12
5	710.94	-59.96	-13.00	-46.96	2.00 H	123	38.89	-98.85
6	877.78	-57.36	-13.00	-44.36	1.01 H	123	39.05	-96.41

Remarks:

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

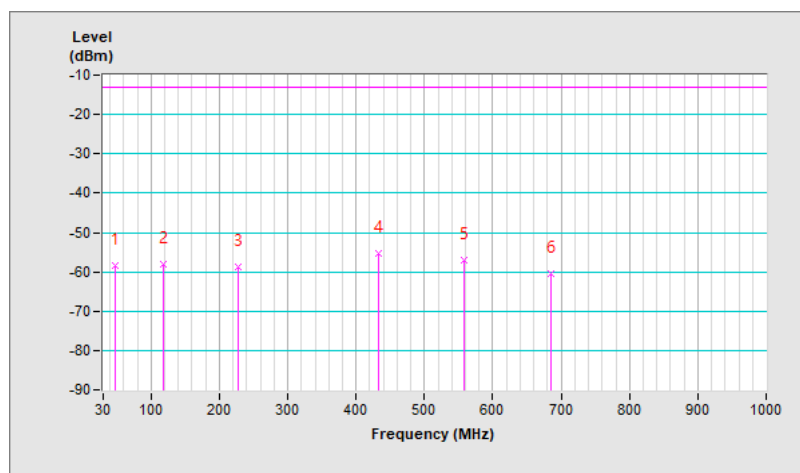


RF Mode	LTE Band 25 Channel Bandwidth: 20MHz	Channel	CH 26365 : 1882.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison Lee		

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	47.46	-58.43	-13.00	-45.43	1.49 V	255	49.93	-108.36
2	118.27	-58.07	-13.00	-45.07	1.00 V	321	52.47	-110.54
3	226.91	-58.91	-13.00	-45.91	1.00 V	313	52.18	-111.09
4	432.55	-55.31	-13.00	-42.31	1.49 V	339	48.75	-104.06
5	558.65	-57.20	-13.00	-44.20	1.00 V	341	44.47	-101.67
6	685.72	-60.59	-13.00	-47.59	1.49 V	10	38.35	-98.94

Remarks:

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



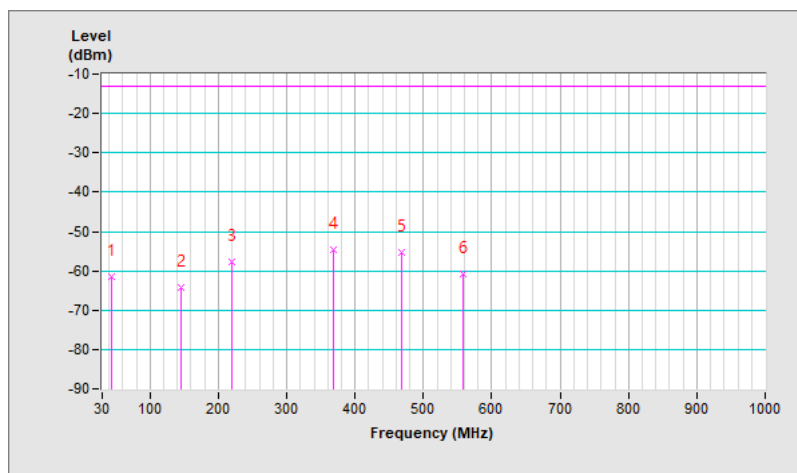
7.2.13 LTE Band 26 (814 MHz ~ 824 MHz)

RF Mode	LTE Band 26 (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	22 °C, 68% RH
Tested By	Edison 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	44.55	-61.64	-13.00	-48.64	1.01 H	237	46.81	-108.45
2	144.46	-64.37	-13.00	-51.37	1.50 H	80	43.94	-108.31
3	220.12	-57.68	-13.00	-44.68	1.01 H	280	53.88	-111.56
4	367.56	-54.62	-13.00	-41.62	1.01 H	348	51.35	-105.97
5	468.44	-55.36	-13.00	-42.36	1.01 H	300	47.84	-103.20
6	557.68	-60.94	-13.00	-47.94	1.50 H	141	40.76	-101.70

Remarks:

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



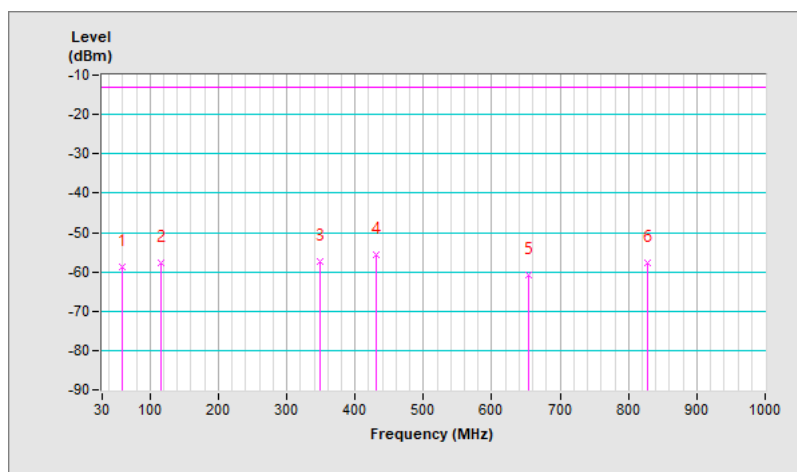
RF Mode	LTE Band 26 (814 MHz ~ 824 MHz) Channel Bandwidth: 10MHz	Channel	CH 26740 : 819 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison Lee		

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	59.10	-58.69	-13.00	-45.69	1.00 V	156	50.22	-108.91
2	116.33	-57.56	-13.00	-44.56	1.49 V	23	53.19	-110.75
3	348.16	-57.54	-13.00	-44.54	1.00 V	148	48.94	-106.48
4	431.58	-55.64	-13.00	-42.64	1.00 V	352	48.47	-104.11
5	654.68	-60.71	-13.00	-47.71	1.00 V	80	38.84	-99.55
6	828.31	-57.87	-13.00	-44.87	1.49 V	161	39.26	-97.13

Remarks:

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



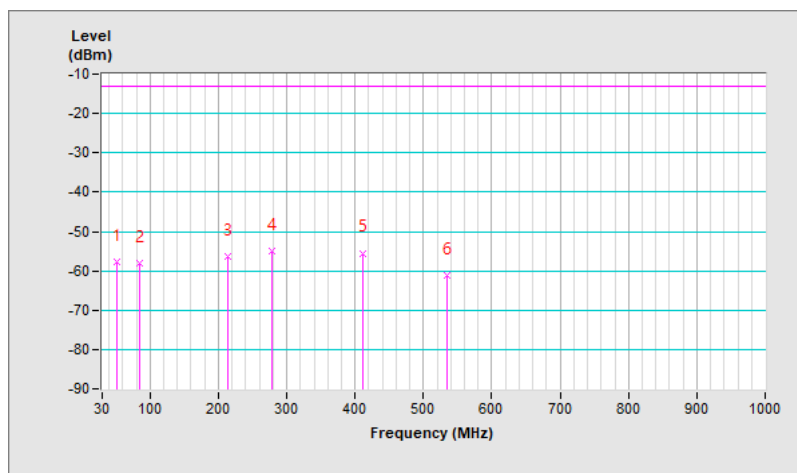
7.2.14 LTE Band 26 (824 MHz ~ 849 MHz)

RF Mode	LTE Band 26 (824 MHz ~ 849 MHz) Channel Bandwidth: 15MHz	Channel	CH 26965 : 841.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	52.31	-57.57	-13.00	-44.57	1.50 H	92	50.86	-108.43
2	85.29	-58.07	-13.00	-45.07	1.50 H	237	56.01	-114.08
3	213.33	-56.41	-13.00	-43.41	1.01 H	270	55.13	-111.54
4	278.32	-54.86	-13.00	-41.86	1.01 H	240	53.26	-108.12
5	411.21	-55.49	-13.00	-42.49	1.01 H	194	49.43	-104.92
6	535.37	-61.14	-13.00	-48.14	1.50 H	153	41.02	-102.16

Remarks:

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

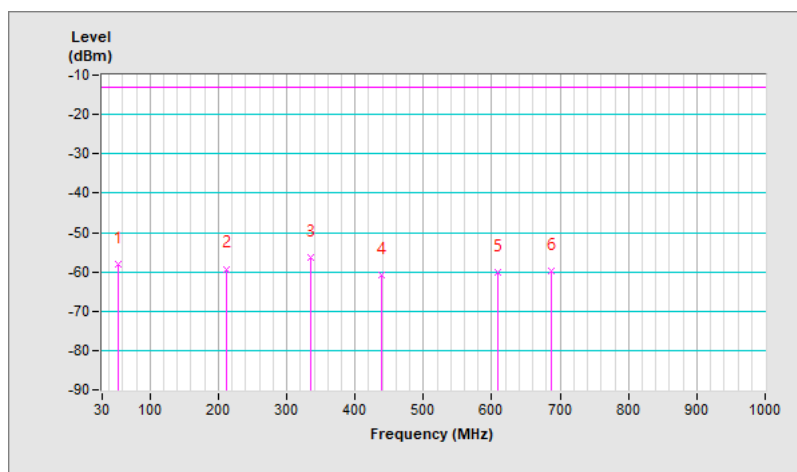


RF Mode	LTE Band 26 (824 MHz ~ 849 MHz) Channel Bandwidth: 15MHz	Channel	CH 26965 : 841.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison Lee		

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	53.28	-57.95	-13.00	-44.95	1.50 V	99	50.53	-108.48
2	212.36	-59.27	-13.00	-46.27	1.50 V	176	52.27	-111.54
3	335.55	-56.24	-13.00	-43.24	1.00 V	0	50.25	-106.49
4	438.37	-60.71	-13.00	-47.71	1.50 V	138	43.08	-103.79
5	609.09	-60.13	-13.00	-47.13	1.50 V	288	40.05	-100.18
6	687.66	-59.83	-13.00	-46.83	1.50 V	5	39.12	-98.95

Remarks:

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



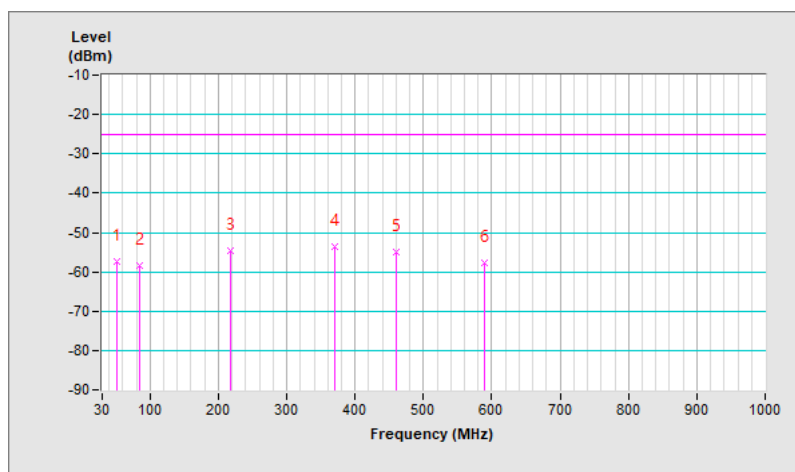
7.2.15 LTE Band 38

RF Mode	LTE Band 38 Channel Bandwidth: 20MHz	Channel	CH 37850 : 2580 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	51.34	-57.29	-25.00	-32.29	1.00 H	206	51.09	-108.38
2	84.32	-58.25	-25.00	-33.25	1.49 H	309	55.73	-113.98
3	218.18	-54.76	-25.00	-29.76	1.49 H	284	56.81	-111.57
4	370.47	-53.69	-25.00	-28.69	1.00 H	342	52.17	-105.86
5	459.71	-55.11	-25.00	-30.11	1.00 H	298	48.18	-103.29
6	589.69	-57.67	-25.00	-32.67	1.49 H	278	42.95	-100.62

Remarks:

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

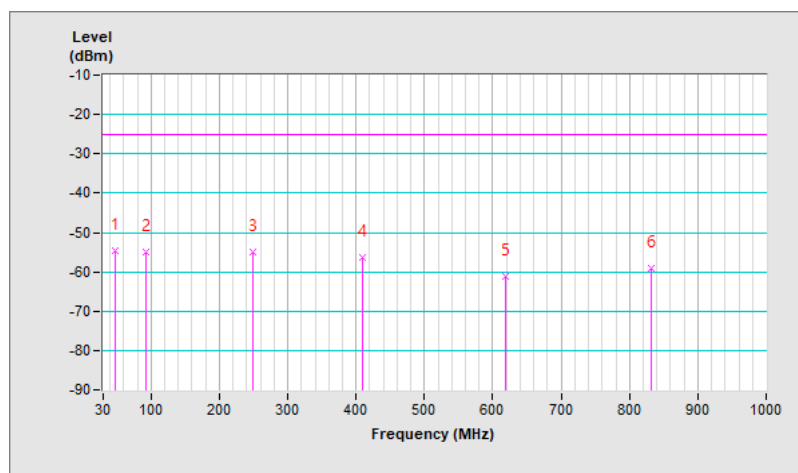


RF Mode	LTE Band 38 Channel Bandwidth: 20MHz	Channel	CH 37850 : 2580 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison Lee		

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	48.43	-54.74	-25.00	-29.74	1.50 V	231	53.57	-108.31
2	92.08	-55.03	-25.00	-30.03	1.00 V	238	58.90	-113.93
3	249.22	-55.10	-25.00	-30.10	1.00 V	98	54.24	-109.34
4	410.24	-56.22	-25.00	-31.22	1.00 V	88	48.72	-104.94
5	617.82	-61.00	-25.00	-36.00	2.00 V	77	39.11	-100.11
6	831.22	-59.15	-25.00	-34.15	1.00 V	13	37.94	-97.09

Remarks:

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



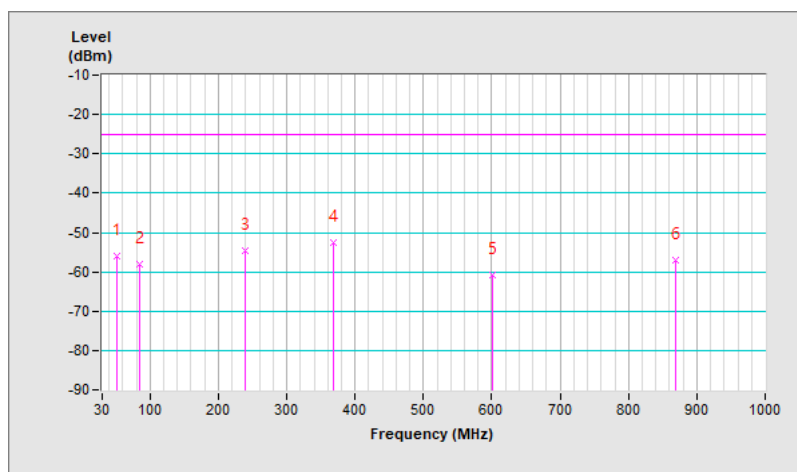
7.2.16 LTE Band 41

RF Mode	LTE Band 41 Channel Bandwidth: 20MHz	Channel	CH 40620 : 2593 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	52.31	-55.90	-25.00	-30.90	1.49 H	223	52.53	-108.43
2	85.29	-57.91	-25.00	-32.91	1.49 H	70	56.17	-114.08
3	238.55	-54.55	-25.00	-29.55	1.00 H	285	55.21	-109.76
4	368.53	-52.62	-25.00	-27.62	1.00 H	340	53.31	-105.93
5	600.36	-60.77	-25.00	-35.77	1.49 H	294	39.48	-100.25
6	869.05	-57.06	-25.00	-32.06	1.00 H	308	39.56	-96.62

Remarks:

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

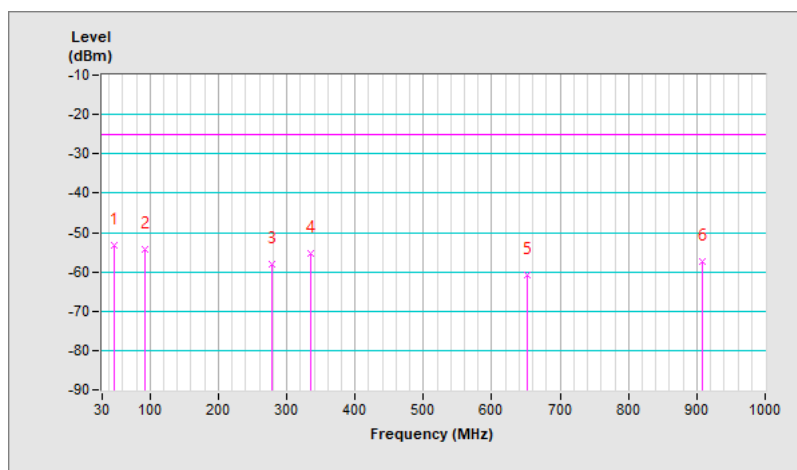


RF Mode	LTE Band 41 Channel Bandwidth: 20MHz	Channel	CH 40620 : 2593 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison Lee		

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	47.46	-53.23	-25.00	-28.23	2.00 V	96	55.13	-108.36
2	93.05	-54.22	-25.00	-29.22	1.01 V	216	59.60	-113.82
3	279.29	-58.04	-25.00	-33.04	1.50 V	14	50.03	-108.07
4	335.55	-55.34	-25.00	-30.34	1.50 V	118	51.15	-106.49
5	652.74	-60.88	-25.00	-35.88	1.01 V	12	38.69	-99.57
6	907.85	-57.34	-25.00	-32.34	1.01 V	316	38.42	-95.76

Remarks:

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



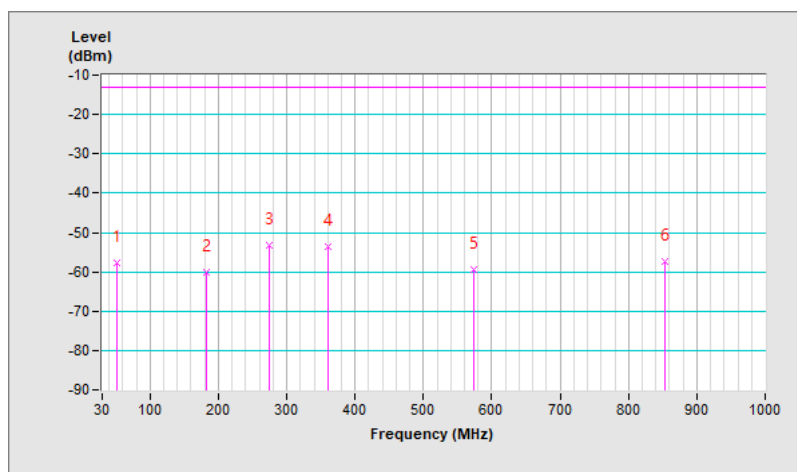
7.2.17 LTE Band 42 (3.45 GHz ~ 3.55 GHz)

RF Mode	LTE Band 42 Channel Bandwidth: 20MHz	Channel	CH 42590 : 3500 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	52.31	-57.58	-13.00	-44.58	1.50 H	41	50.85	-108.43
2	183.26	-59.97	-13.00	-46.97	1.50 H	137	50.29	-110.26
3	275.41	-53.38	-13.00	-40.38	1.01 H	244	54.86	-108.24
4	359.80	-53.61	-13.00	-40.61	2.00 H	334	52.69	-106.30
5	574.17	-59.49	-13.00	-46.49	1.50 H	277	41.64	-101.13
6	852.56	-57.53	-13.00	-44.53	1.50 H	182	39.42	-96.95

Remarks:

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

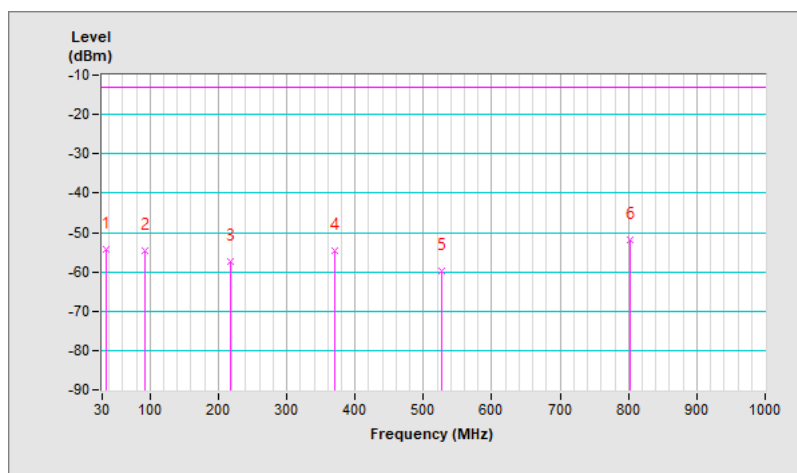


RF Mode	LTE Band 42 Channel Bandwidth: 20MHz	Channel	CH 42590 : 3500 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison Lee		

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	36.79	-54.34	-13.00	-41.34	2.00 V	201	54.76	-109.10
2	93.05	-54.77	-13.00	-41.77	1.00 V	80	59.05	-113.82
3	217.21	-57.51	-13.00	-44.51	1.00 V	1	54.07	-111.58
4	369.50	-54.57	-13.00	-41.57	1.49 V	228	51.33	-105.90
5	526.64	-59.89	-13.00	-46.89	1.00 V	19	42.43	-102.32
6	802.12	-51.86	-13.00	-38.86	1.49 V	236	45.42	-97.28

Remarks:

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



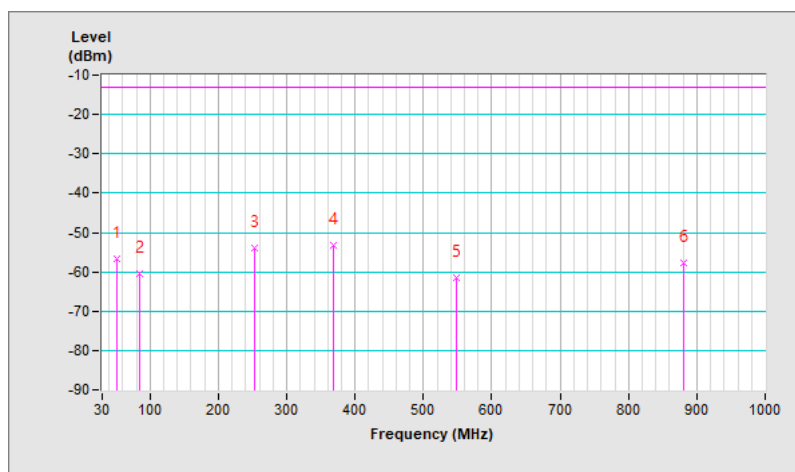
7.2.18 LTE Band 66

RF Mode	LTE Band 66 Channel Bandwidth: 20MHz	Channel	CH 132322 : 1745 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	51.34	-56.59	-13.00	-43.59	1.50 H	8	51.79	-108.38
2	85.29	-60.46	-13.00	-47.46	1.50 H	200	53.62	-114.08
3	252.13	-54.10	-13.00	-41.10	1.50 H	272	55.17	-109.27
4	367.56	-53.43	-13.00	-40.43	1.01 H	332	52.54	-105.97
5	547.98	-61.57	-13.00	-48.57	1.50 H	165	40.37	-101.94
6	881.66	-57.59	-13.00	-44.59	1.50 H	244	38.75	-96.34

Remarks:

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

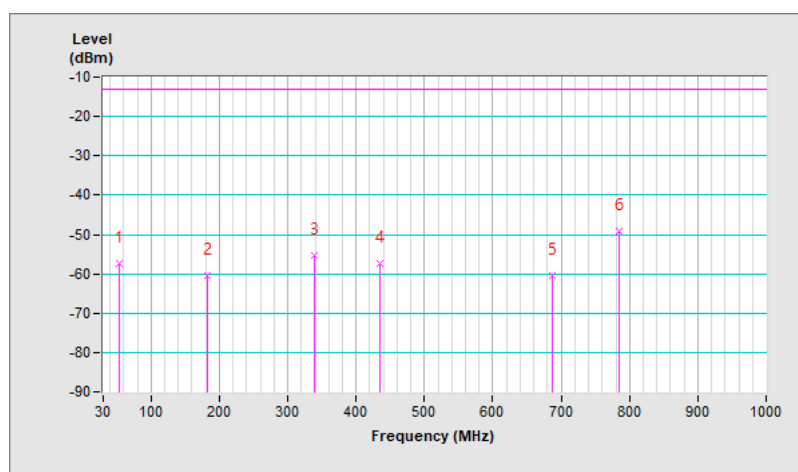


RF Mode	LTE Band 66 Channel Bandwidth: 20MHz	Channel	CH 132322 : 1745 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison Lee		

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	53.28	-57.51	-13.00	-44.51	1.49 V	154	50.97	-108.48
2	182.29	-60.47	-13.00	-47.47	1.49 V	120	49.71	-110.18
3	339.43	-55.32	-13.00	-42.32	1.00 V	360	51.17	-106.49
4	435.46	-57.42	-13.00	-44.42	1.49 V	143	46.50	-103.92
5	686.69	-60.31	-13.00	-47.31	1.00 V	127	38.64	-98.95
6	784.66	-49.09	-13.00	-36.09	2.00 V	219	48.20	-97.29

Remarks:

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



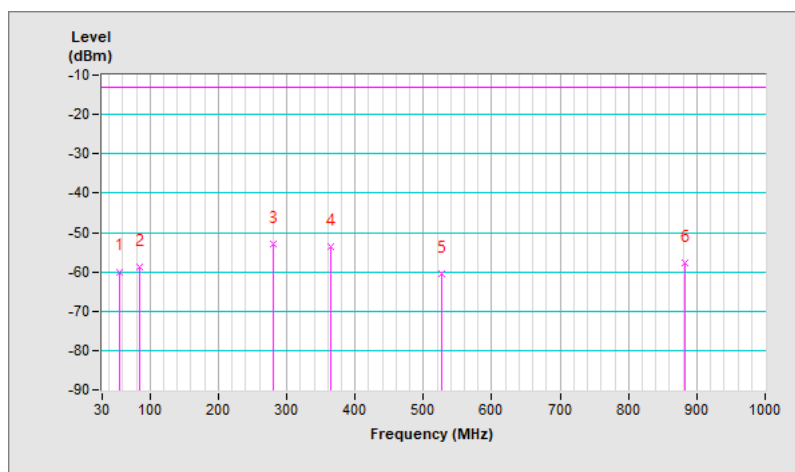
7.2.19 LTE Band 71

RF Mode	LTE Band 71 Channel Bandwidth: 20MHz	Channel	CH 133297 : 680.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	56.19	-59.95	-13.00	-46.95	1.49 H	265	48.71	-108.66
2	85.29	-58.90	-13.00	-45.90	1.49 H	90	55.18	-114.08
3	280.26	-52.92	-13.00	-39.92	1.00 H	76	55.11	-108.03
4	363.68	-53.45	-13.00	-40.45	2.00 H	215	52.69	-106.14
5	526.64	-60.49	-13.00	-47.49	1.49 H	163	41.83	-102.32
6	882.63	-57.61	-13.00	-44.61	1.00 H	319	38.71	-96.32

Remarks:

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

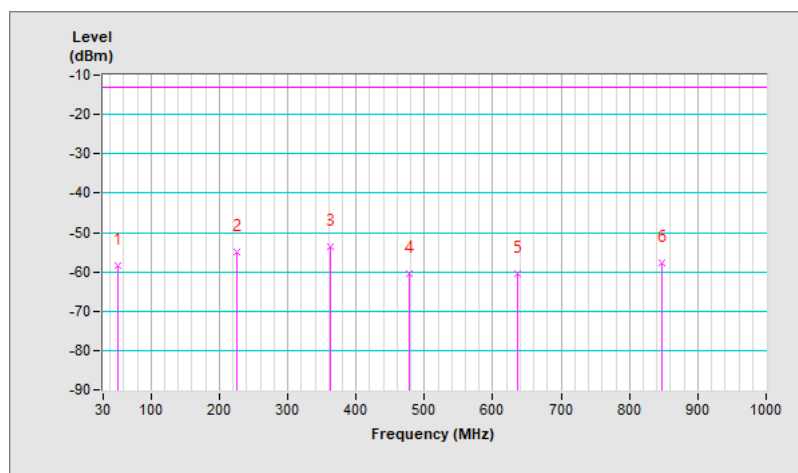


RF Mode	LTE Band 71 Channel Bandwidth: 20MHz	Channel	CH 133297 : 680.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison Lee		

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	52.31	-58.47	-13.00	-45.47	1.01 V	229	49.96	-108.43
2	224.97	-54.87	-13.00	-41.87	1.50 V	282	56.55	-111.42
3	362.71	-53.72	-13.00	-40.72	1.01 V	322	52.46	-106.18
4	478.14	-60.43	-13.00	-47.43	1.01 V	279	42.69	-103.12
5	635.28	-60.52	-13.00	-47.52	1.01 V	330	39.30	-99.82
6	847.71	-57.87	-13.00	-44.87	1.01 V	280	39.14	-97.01

Remarks:

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

RF Mode	WCDMA Band 2	Channel	CH 9262 : 1852.4 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3704.80	-50.00	-13.00	-37.00	1.93 H	182	44.67	-94.67
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	3704.80	-48.84	-13.00	-35.84	2.10 V	354	45.83	-94.67

Remarks:

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

RF Mode	WCDMA Band 2	Channel	CH 9400 : 1880 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Greg Lin		

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	-49.37	-13.00	-36.37	2.02 H	187	44.84	-94.21
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3760.00	-48.26	-13.00	-35.26	2.11 V	355	45.95	-94.21

Remarks:

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

RF Mode	WCDMA Band 2	Channel	CH 9538 : 1907.6 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3815.20	-49.09	-13.00	-36.09	1.98 H	181	44.82	-93.91
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3815.20	-48.06	-13.00	-35.06	2.16 V	357	45.85	-93.91

Remarks:

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

7.3.2 WCDMA Band 4

RF Mode	WCDMA Band 4	Channel	CH 1312 : 1712.4 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3424.80	-47.34	-13.00	-34.34	1.43 H	319	48.42	-95.76
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	3424.80	-46.64	-13.00	-33.64	3.97 V	101	49.12	-95.76

Remarks:

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

RF Mode	WCDMA Band 4	Channel	CH 1413 : 1732.6 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3465.20	-47.21	-13.00	-34.21	1.45 H	317	48.51	-95.72
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	3465.20	-46.53	-13.00	-33.53	3.98 V	95	49.19	-95.72

Remarks:

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

RF Mode	WCDMA Band 4	Channel	CH 1513 : 1752.6 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3505.20	-47.23	-13.00	-34.23	1.39 H	318	48.46	-95.69
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3505.20	-46.66	-13.00	-33.66	3.94 V	98	49.03	-95.69

Remarks:

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

7.3.3 WCDMA Band 5

RF Mode	WCDMA Band 5	Channel	CH 4132 : 826.4 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1652.80	-52.35	-13.00	-39.35	1.64 H	306	48.94	-101.29
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1652.80	-54.54	-13.00	-41.54	2.93 V	260	46.75	-101.29

Remarks:

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

RF Mode	WCDMA Band 5	Channel	CH 4182 : 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	22 °C, 68% RH
Tested By	Greg Lin		

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	-52.09	-13.00	-39.09	1.66 H	305	49.09	-101.18
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	-54.25	-13.00	-41.25	2.88 V	259	46.93	-101.18

Remarks:

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

RF Mode	WCDMA Band 5	Channel	CH 4233 : 846.6 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Greg Lin		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1693.20	-52.04	-13.00	-39.04	1.60 H	301	49.03	-101.07
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	1693.20	-54.19	-13.00	-41.19	2.91 V	257	46.88	-101.07

Remarks:

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

7.3.4 LTE Band 2

RF Mode	LTE Band 2 Channel Bandwidth: 20MHz	Channel	CH 18700 : 1860 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	3720.00	-48.21	-13.00	-35.21	1.49 H	125	46.32	-94.53
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	-47.56	-13.00	-34.56	1.70 V	309	46.97	-94.53

Remarks:

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

RF Mode	LTE Band 2 Channel Bandwidth: 20MHz	Channel	CH 18900 : 1880 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	3760.00	-47.71	-13.00	-34.71	1.47 H	122	46.50	-94.21
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3760.00	-46.70	-13.00	-33.70	1.68 V	207	47.51	-94.21

Remarks:

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

RF Mode	LTE Band 2 Channel Bandwidth: 20MHz	Channel	CH 19100 : 1900 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	3800.00	-47.81	-13.00	-34.81	1.48 H	120	46.22	-94.03
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	-47.03	-13.00	-34.03	1.71 V	306	47.00	-94.03

Remarks:

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

7.3.5 LTE Band 4

RF Mode	LTE Band 4 Channel Bandwidth: 20MHz	Channel	CH 20050 : 1720 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	3440.00	-44.83	-13.00	-31.83	1.40 H	249	50.90	-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	3440.00	-42.41	-13.00	-29.41	3.85 V	100	53.32	-95.73

Remarks:

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

RF Mode	LTE Band 4 Channel Bandwidth: 20MHz	Channel	CH 20175 : 1732.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	3465.00	-44.52	-13.00	-31.52	1.43 H	247	51.20	-95.72
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	3465.00	-42.12	-13.00	-29.12	4.00 V	97	53.60	-95.72

Remarks:

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

RF Mode	LTE Band 4 Channel Bandwidth: 20MHz	Channel	CH 20300 : 1745 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	3490.00	-44.75	-13.00	-31.75	1.38 H	243	50.97	-95.72
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	-42.44	-13.00	-29.44	3.97 V	100	53.28	-95.72

Remarks:

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

7.3.6 LTE Band 5

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	22 °C, 68% RH
Tested By	Edison 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	1658.00	-57.58	-13.00	-44.58	1.97 H	298	43.69	-101.27
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	-57.15	-13.00	-44.15	2.55 V	92	44.12	-101.27

Remarks:

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

RF Mode	LTE Band 5 Channel Bandwidth: 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	22 °C, 68% RH
Tested By	Edison 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	1673.00	-57.18	-13.00	-44.18	1.92 H	300	44.00	-101.18
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	-56.58	-13.00	-43.58	2.55 V	92	44.60	-101.18

Remarks:

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

RF Mode	LTE Band 5 Channel Bandwidth: 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	22 °C, 68% RH
Tested By	Edison 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	1688.00	-57.33	-13.00	-44.33	1.91 H	299	43.77	-101.10
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	1688.00	-57.20	-13.00	-44.20	2.54 V	90	43.90	-101.10

Remarks:

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

7.3.7 LTE Band 7

RF Mode	LTE Band 7 Channel Bandwidth: 20MHz	Channel	CH 20850 : 2510 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	5020.00	-46.01	-25.00	-21.01	2.34 H	199	45.66	-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	5020.00	-45.76	-25.00	-20.76	2.14 V	107	45.91	-91.67

Remarks:

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

RF Mode	LTE Band 7 Channel Bandwidth: 20MHz	Channel	CH 21100 : 2535 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	5070.00	-45.65	-25.00	-20.65	2.41 H	196	45.90	-91.55
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	-45.34	-25.00	-20.34	2.07 V	114	46.21	-91.55

Remarks:

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

RF Mode	LTE Band 7 Channel Bandwidth: 20MHz	Channel	CH 21350 : 2560 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	5120.00	-45.52	-25.00	-20.52	2.40 H	198	45.76	-91.28
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	-45.24	-25.00	-20.24	2.09 V	110	46.04	-91.28

Remarks:

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

7.3.8 LTE Band 12

RF Mode	LTE Band 12 Channel Bandwidth: 10MHz	Channel	CH 23060 : 704 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	1408.00	-55.12	-13.00	-42.12	2.10 H	57	46.32	-101.44
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	-54.52	-13.00	-41.52	1.67 V	328	46.92	-101.44

Remarks:

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

RF Mode	LTE Band 12 Channel Bandwidth: 10MHz	Channel	CH 23095 : 707.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	1415.00	-54.82	-13.00	-41.82	2.05 H	60	46.60	-101.42
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	-54.32	-13.00	-41.32	1.72 V	324	47.10	-101.42

Remarks:

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

RF Mode	LTE Band 12 Channel Bandwidth: 10MHz	Channel	CH 23130 : 711 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	1422.00	-55.11	-13.00	-42.11	2.04 H	62	46.28	-101.39
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	-54.38	-13.00	-41.38	1.70 V	323	47.01	-101.39

Remarks:

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

7.3.9 LTE Band 13

RF Mode	LTE Band 13 Channel Bandwidth: 10MHz	Channel	CH 23230 : 782 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	1564.00	-54.04	-40.00	-14.04	2.31 H	94	47.30	-101.34
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1564.00	-53.34	-40.00	-13.34	2.35 V	353	48.00	-101.34

Remarks:

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

7.3.10 LTE Band 14

RF Mode	LTE Band 14 Channel Bandwidth: 10MHz	Channel	CH 23330 : 793 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	1586.00	-52.77	-40.00	-12.77	2.39 H	356	48.60	-101.37
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	-51.77	-40.00	-11.77	1.99 V	198	49.60	-101.37

Remarks:

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

7.3.11 LTE Band 17

RF Mode	LTE Band 17 Channel Bandwidth: 10MHz	Channel	CH 23780 : 709 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Greg Lin		

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	-52.79	-13.00	-39.79	1.97 H	183	48.62	-101.41
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	-53.33	-13.00	-40.33	2.20 V	83	48.08	-101.41

Remarks:

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

RF Mode	LTE Band 17 Channel Bandwidth: 10MHz	Channel	CH 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	22 °C, 68% RH
Tested By	Greg Lin		

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	-52.74	-13.00	-39.74	1.95 H	187	48.66	-101.40
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1420.00	-53.18	-13.00	-40.18	2.21 V	85	48.22	-101.40

Remarks:

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

RF Mode	LTE Band 17 Channel Bandwidth: 10MHz	Channel	CH 23800 : 711 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Greg Lin		

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	-52.75	-13.00	-39.75	1.96 H	183	48.64	-101.39
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	-53.21	-13.00	-40.21	2.24 V	79	48.18	-101.39

Remarks:

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

7.3.12 LTE Band 25

RF Mode	LTE Band 25 Channel Bandwidth: 20MHz	Channel	CH 26140 : 1860 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	3720.00	-47.20	-13.00	-34.20	2.52 H	194	47.33	-94.53
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	-46.53	-13.00	-33.53	2.57 V	244	48.00	-94.53

Remarks:

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

RF Mode	LTE Band 25 Channel Bandwidth: 20MHz	Channel	CH 26365 : 1882.5 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	3765.00	-46.59	-13.00	-33.59	2.44 H	190	47.60	-94.19
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	-45.98	-13.00	-32.98	2.48 V	249	48.21	-94.19

Remarks:

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

RF Mode	LTE Band 25 Channel Bandwidth: 20MHz	Channel	CH 26590 : 1905 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	3810.00	-46.53	-13.00	-33.53	2.47 H	188	47.41	-93.94
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	-46.20	-13.00	-33.20	2.55 V	244	47.74	-93.94

Remarks:

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

7.3.13 LTE Band 26 (814 MHz ~ 824 MHz)

RF Mode	LTE Band 26 (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	22 °C, 68% RH
Tested By	Edison 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	1638.00	-54.53	-13.00	-41.53	2.13 H	96	46.80	-101.33
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	-53.83	-13.00	-40.83	1.76 V	233	47.50	-101.33

Remarks:

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

7.3.14 LTE Band 26 (824 MHz ~ 849 MHz)

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	22 °C, 68% RH
Tested By	Edison 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	1663.00	-55.17	-13.00	-42.17	2.05 H	188	46.07	-101.24
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	-54.09	-13.00	-41.09	2.30 V	103	47.15	-101.24

Remarks:

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

RF Mode	LTE Band 26 (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	22 °C, 68% RH
Tested By	Edison 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	1673.00	-54.78	-13.00	-41.78	2.21 H	187	46.40	-101.18
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	-53.78	-13.00	-40.78	2.22 V	106	47.40	-101.18

Remarks:

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

RF Mode	LTE Band 26 (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	22 °C, 68% RH
Tested By	Edison 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	1683.00	-54.85	-13.00	-41.85	2.20 H	180	46.28	-101.13
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	1683.00	-53.94	-13.00	-40.94	2.17 V	104	47.19	-101.13

Remarks:

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

7.3.15 LTE Band 38

RF Mode	LTE Band 38 Channel Bandwidth: 20MHz	Channel	CH 37850 : 2580 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	5160.00	-44.87	-25.00	-19.87	2.35 H	222	46.29	-91.16
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5160.00	-43.95	-25.00	-18.95	1.93 V	325	47.21	-91.16

Remarks:

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

RF Mode	LTE Band 38 Channel Bandwidth: 20MHz	Channel	CH 38000 : 2595 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	5190.00	-44.68	-25.00	-19.68	2.41 H	221	46.50	-91.18
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	5190.00	-43.38	-25.00	-18.38	1.90 V	320	47.80	-91.18

Remarks:

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

RF Mode	LTE Band 38 Channel Bandwidth: 20MHz	Channel	CH 38150 : 2610 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	5220.00	-45.06	-25.00	-20.06	2.42 H	221	46.21	-91.27
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	5220.00	-44.16	-25.00	-19.16	1.96 V	321	47.11	-91.27

Remarks:

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

7.3.16 LTE Band 41

RF Mode	LTE Band 41 Channel Bandwidth: 20MHz	Channel	CH 39750 : 2506 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5012.00	-44.88	-25.00	-19.88	2.05 H	178	46.78	-91.66
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	5012.00	-44.16	-25.00	-19.16	1.85 V	302	47.50	-91.66

Remarks:

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

RF Mode	LTE Band 41 Channel Bandwidth: 20MHz	Channel	CH 40620 : 2593 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5186.00	-44.27	-25.00	-19.27	2.03 H	182	46.90	-91.17
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5186.00	-43.47	-25.00	-18.47	1.86 V	299	47.70	-91.17

Remarks:

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

RF Mode	LTE Band 41 Channel Bandwidth: 20MHz	Channel	CH 41490 : 2680 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5360.00	-44.85	-25.00	-19.85	2.02 H	180	46.57	-91.42
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5360.00	-43.91	-25.00	-18.91	1.88 V	299	47.51	-91.42

Remarks:

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

7.3.17 LTE Band 42 (3.45 GHz ~ 3.55 GHz)

RF Mode	LTE Band 42 Channel Bandwidth: 5MHz	Channel	CH 42115 : 3452.5 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	6905.00	-40.36	-13.00	-27.36	3.36 H	101	45.75	-86.11
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	6905.00	-39.78	-13.00	-26.78	3.52 V	190	46.33	-86.11

Remarks:

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

RF Mode	LTE Band 42 Channel Bandwidth: 5MHz	Channel	CH 42590 : 3500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	7000.00	-40.19	-13.00	-27.19	3.44 H	99	45.99	-86.18
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	7000.00	-40.03	-13.00	-27.03	3.52 V	190	46.15	-86.18

Remarks:

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

RF Mode	LTE Band 42 Channel Bandwidth: 5MHz	Channel	CH 43065 : 3547.5 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	7095.00	-39.69	-13.00	-26.69	3.47 H	104	45.97	-85.66
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	7095.00	-39.29	-13.00	-26.29	3.60 V	193	46.37	-85.66

Remarks:

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

RF Mode	LTE Band 42 Channel Bandwidth: 20MHz	Channel	CH 42190 : 3460 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	6920.00	-40.15	-13.00	-27.15	3.32 H	109	45.93	-86.08
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	6920.00	-39.77	-13.00	-26.77	3.44 V	180	46.31	-86.08

Remarks:

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

RF Mode	LTE Band 42 Channel Bandwidth: 20MHz	Channel	CH 42590 : 3500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	7000.00	-40.16	-13.00	-27.16	3.43 H	110	46.02	-86.18
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	7000.00	-39.67	-13.00	-26.67	3.55 V	183	46.51	-86.18

Remarks:

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

RF Mode	LTE Band 42 Channel Bandwidth: 20MHz	Channel	CH 42990 : 3540 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	7080.00	-39.86	-13.00	-26.86	3.39 H	101	45.91	-85.77
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	7080.00	-39.31	-13.00	-26.31	3.52 V	188	46.46	-85.77

Remarks:

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

7.3.18 LTE Band 66

RF Mode	LTE Band 66 Channel Bandwidth: 20MHz	Channel	CH 132072 : 1720 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	3440.00	-41.48	-13.00	-28.48	3.35 H	21	54.25	-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	3440.00	-41.01	-13.00	-28.01	3.48 V	103	54.72	-95.73

Remarks:

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

RF Mode	LTE Band 66 Channel Bandwidth: 20MHz	Channel	CH 132322 : 1745 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	3490.00	-41.12	-13.00	-28.12	3.38 H	32	54.60	-95.72
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	-40.72	-13.00	-27.72	3.39 V	102	55.00	-95.72

Remarks:

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

RF Mode	LTE Band 66 Channel Bandwidth: 20MHz	Channel	CH 132572 : 1770 MHz
Frequency Range	1 GHz ~ 25 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	3540.00	-41.06	-13.00	-28.06	3.36 H	28	54.50	-95.56
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	-40.70	-13.00	-27.70	3.48 V	99	54.86	-95.56

Remarks:

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

7.3.19 LTE Band 71

RF Mode	LTE Band 71 Channel Bandwidth: 20MHz	Channel	CH 133222 : 673 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	1346.00	-55.60	-13.00	-42.60	3.44 H	108	46.08	-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	1346.00	-55.18	-13.00	-42.18	3.52 V	185	46.50	-101.68

Remarks:

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

RF Mode	LTE Band 71 Channel Bandwidth: 20MHz	Channel	CH 133297 : 680.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	1361.00	-55.38	-13.00	-42.38	3.42 H	103	46.25	-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	1361.00	-54.92	-13.00	-41.92	3.49 V	191	46.71	-101.63

Remarks:

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

RF Mode	LTE Band 71 Channel Bandwidth: 20MHz	Channel	CH 133372 : 688 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68% RH
Tested By	Edison 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	1376.00	-55.47	-13.00	-42.47	3.49 H	103	46.11	-101.58
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1376.00	-55.15	-13.00	-42.15	3.46 V	188	46.43	-101.58

Remarks:

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

8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

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

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

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