

TEST REPORT

CERTIFICATE OF CONFORMITY

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

Report No.: RFBCKS-WTW-P25090710

FCC ID: UXX-FE990B40NA

Product: 5G NR Module

Brand: Ericsson

Model No.: FE990B40-NAD

Received Date: 2025/9/23

Test Date: 2025/10/29 ~ 2025/11/10

Issued Date: 2025/12/15

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FCC Registration /

Designation Number: 788550 / TW0003

Approved by:

Jeremy Lin

, **Date:**

2025/12/15

Jeremy Lin / Project Engineer

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Prepared by : Pettie Chen / Senior Specialist



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Release Control Record

Issue No.	Description	Date Issued
RFBCKS-WTW-P25090710	Original release.	2025/12/15

1 Certificate

Product: 5G NR Module

Brand: Ericsson

Test Model: FE990B40-NAD

Sample Status: Engineering sample

Applicant: Ericsson Enterprise Wireless Solutions, Inc.

Test Date: 2025/10/29 ~ 2025/11/10

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

Measurement procedure: ANSI/TIA/EIA-603-E 2016
ANSI C63.26-2015
KDB 971168 D01 Power Meas License Digital Systems v03r01
KDB 971168 D02 Misc Rev Approv License Devices v02r02

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

2 Summary of Test Results

Standard / Clause	Test Item	Result	Remark
Part 2.1046 Part 22.913 (a) Part 24.232 (c) Part 27.50(d) Part 27.50(h) Part 27.50(c) Part 27.50(b) Part 27.50(a) Part 27.50(k) Part 27.50(j) 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) Part 27.50(j)(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(a) Part 27.53(n) Part 27.53(l) 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(a) Part 27.53(n) Part 27.53(l) Part 90.691 Part 90.543(e)(f)	Radiated Spurious Emissions below 1GHz	Pass	Minimum passing margin is -3.79 dB at 37.76 MHz

Standard / Clause	Test Item	Result	Remark
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(a) Part 27.53(n) Part 27.53(l) Part 90.691 Part 90.543(e)(f)	Radiated Spurious Emissions above 1GHz	Pass	Minimum passing margin is -10.86 dB at 4620.00 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 was performed for this report. Other testing data please refer to Sporton report no.: FG492402A_R01 for module (Brand: Telit, Model: FE990B40-NAD).
- 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	2.44 dB
	30 MHz ~ 1 GHz	2.95 dB
Radiated Spurious Emissions above 1GHz	1 GHz ~ 18 GHz	2.26 dB
	18 GHz ~ 40 GHz	1.94 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	Ericsson
Test Model	FE990B40-NAD
Status of EUT	Engineering sample
Power Supply Rating	3.8Vdc
EUT Category	Mobile station
Modulation Type	QPSK, 16QAM, 64QAM, 256QAM
LTE support SISO bands	LTE: B2, B4, B5, B7, B12, B13, B14, B17, B25, B26, B30, B38, B41, B42, B43, B48, B66, B71
PC3 for Power Class	LTE: B2, B4, B5, B7, B12, B13, B14, B17, B25, B26, B30, B38, B41, B42, B43, B48, B66, B71
PC2 for Power Class	LTE: B38, B41
Band Covered Information	LTE Band 26 cover LTE Band 5 (Part 22) LTE Band 25 cover LTE Band 2 (Part 24) LTE Band 66 cover LTE Band 4 (Part 27) LTE Band 12 cover LTE Band 17 (Part 27) LTE Band 41 cover LTE Band 38 (Part 27)

Note:

1. This report is prepared for FCC class II permissive change. The difference compared with original report is listed as below. Therefore, test items for Effective Radiated Power and Equivalent Isotropically Radiated Power and Radiated Spurious Emissions test had been re-tested in this report.
 - a. There are minor changes to the EUT's antenna connector, but these do not affect the RF characteristics & output power.
 - b. Additional antennas are added.
 - c. The output power for some frequency bands will be reduced.

2. EUT Overview

LTE Band 2

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
1.4 MHz	1850.7 ~ 1909.3	QPSK	0.379	25.79
		16QAM	0.318	25.02
		64QAM	0.232	23.65
		256QAM	0.116	20.64
3 MHz	1851.5 ~ 1908.5	QPSK	0.382	25.82
		16QAM	0.332	25.21
		64QAM	0.234	23.7
		256QAM	0.117	20.67
5 MHz	1852.5 ~ 1907.5	QPSK	0.383	25.83
		16QAM	0.335	25.25
		64QAM	0.233	23.67
		256QAM	0.116	20.65
10 MHz	1855 ~ 1905	QPSK	0.383	25.83
		16QAM	0.334	25.24
		64QAM	0.233	23.67
		256QAM	0.117	20.68
15 MHz	1857.5 ~ 1902.5	QPSK	0.382	25.82
		16QAM	0.336	25.26
		64QAM	0.237	23.74
		256QAM	0.117	20.67
20 MHz	1860 ~ 1900	QPSK	0.384	25.84
		16QAM	0.337	25.27
		64QAM	0.237	23.74
		256QAM	0.118	20.71

LTE Band 4

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
1.4 MHz	1710.7 ~ 1754.3	QPSK	0.236	23.72
		16QAM	0.208	23.18
		64QAM	0.145	21.6
		256QAM	0.07	18.48
3 MHz	1711.5 ~ 1753.5	QPSK	0.236	23.72
		16QAM	0.209	23.2
		64QAM	0.144	21.58
		256QAM	0.072	18.55
5 MHz	1712.5 ~ 1752.5	QPSK	0.238	23.76
		16QAM	0.208	23.19
		64QAM	0.144	21.57
		256QAM	0.072	18.57
10 MHz	1715 ~ 1750	QPSK	0.236	23.72
		16QAM	0.207	23.17
		64QAM	0.145	21.6
		256QAM	0.071	18.5
15 MHz	1717.5 ~ 1747.5	QPSK	0.237	23.75
		16QAM	0.207	23.17
		64QAM	0.146	21.63
		256QAM	0.072	18.59
20 MHz	1720 ~ 1745	QPSK	0.238	23.77
		16QAM	0.21	23.22
		64QAM	0.146	21.63
		256QAM	0.072	18.6

LTE Band 5

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)
1.4 MHz	824.7 ~ 848.3	QPSK	0.158	21.98
		16QAM	0.13	21.13
		64QAM	0.103	20.13
		256QAM	0.052	17.14
3 MHz	825.5 ~ 847.5	QPSK	0.162	22.09
		16QAM	0.133	21.23
		64QAM	0.107	20.30
		256QAM	0.052	17.20
5 MHz	826.5 ~ 846.5	QPSK	0.161	22.08
		16QAM	0.131	21.17
		64QAM	0.106	20.24
		256QAM	0.052	17.15
10 MHz	829 ~ 844	QPSK	0.163	22.13
		16QAM	0.133	21.25
		64QAM	0.107	20.30
		256QAM	0.053	17.23

LTE Band 7

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
5 MHz	2502.5 ~ 2567.5	QPSK	0.513	27.10
		16QAM	0.439	26.42
		64QAM	0.387	25.88
		256QAM	0.16	22.03
10 MHz	2505 ~ 2565	QPSK	0.511	27.08
		16QAM	0.445	26.48
		64QAM	0.394	25.96
		256QAM	0.161	22.07
15 MHz	2507.5 ~ 2562.5	QPSK	0.515	27.12
		16QAM	0.438	26.41
		64QAM	0.385	25.86
		256QAM	0.161	22.06
20 MHz	2510 ~ 2560	QPSK	0.518	27.14
		16QAM	0.445	26.48
		64QAM	0.394	25.96
		256QAM	0.162	22.10

LTE Band 12

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)
1.4 MHz	699.7 ~ 715.3	QPSK	0.268	24.28
		16QAM	0.206	23.13
		64QAM	0.159	22.02
		256QAM	0.077	18.87
3 MHz	700.5 ~ 714.5	QPSK	0.269	24.29
		16QAM	0.206	23.13
		64QAM	0.162	22.10
		256QAM	0.079	19.00
5 MHz	701.5 ~ 713.5	QPSK	0.265	24.23
		16QAM	0.204	23.10
		64QAM	0.164	22.14
		256QAM	0.08	19.04
10 MHz	704 ~ 711	QPSK	0.269	24.30
		16QAM	0.207	23.15
		64QAM	0.166	22.19
		256QAM	0.081	19.07

LTE Band 13

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)
5 MHz	779.5 ~ 784.5	QPSK	0.248	23.95
		16QAM	0.191	22.82
		64QAM	0.151	21.79
		256QAM	0.073	18.66
10 MHz	782	QPSK	0.249	23.96
		16QAM	0.195	22.89
		64QAM	0.153	21.84
		256QAM	0.074	18.68

LTE Band 14

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)
5 MHz	790.5 ~ 795.5	QPSK	0.225	23.53
		16QAM	0.198	22.97
		64QAM	0.155	21.90
		256QAM	0.074	18.71
10 MHz	793	QPSK	0.228	23.57
		16QAM	0.198	22.97
		64QAM	0.156	21.94
		256QAM	0.074	18.72

LTE Band 17

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)
5 MHz	706.5 ~ 713.5	QPSK	0.247	23.93
		16QAM	0.201	23.04
		64QAM	0.16	22.03
		256QAM	0.076	18.83
10 MHz	709 ~ 711	QPSK	0.249	23.97
		16QAM	0.202	23.06
		64QAM	0.16	22.03
		256QAM	0.076	18.83

LTE Band 25

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
1.4 MHz	1850.7 ~ 1914.3	QPSK	0.385	25.86
		16QAM	0.328	25.16
		64QAM	0.230	23.61
		256QAM	0.114	20.58
3 MHz	1851.5 ~ 1913.5	QPSK	0.388	25.89
		16QAM	0.330	25.18
		64QAM	0.232	23.66
		256QAM	0.115	20.62
5 MHz	1852.5 ~ 1912.5	QPSK	0.385	25.86
		16QAM	0.332	25.21
		64QAM	0.234	23.69
		256QAM	0.115	20.59
10 MHz	1855 ~ 1910	QPSK	0.387	25.88
		16QAM	0.330	25.18
		64QAM	0.231	23.64
		256QAM	0.114	20.57
15 MHz	1857.5 ~ 1907.5	QPSK	0.391	25.92
		16QAM	0.330	25.19
		64QAM	0.234	23.7
		256QAM	0.115	20.59
20 MHz	1860 ~ 1905	QPSK	0.394	25.95
		16QAM	0.334	25.24
		64QAM	0.234	23.7
		256QAM	0.116	20.64

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	0.229	23.60
		16QAM	0.194	22.88
		64QAM	0.152	21.82
		256QAM	0.073	18.62
3 MHz	815.5 ~ 822.5	QPSK	0.232	23.66
		16QAM	0.198	22.96
		64QAM	0.154	21.88
		256QAM	0.074	18.71
5 MHz	816.5 ~ 821.5	QPSK	0.231	23.63
		16QAM	0.198	22.96
		64QAM	0.155	21.90
		256QAM	0.075	18.75
10 MHz	819	QPSK	0.233	23.67
		16QAM	0.187	22.72
		64QAM	0.148	21.69
		256QAM	0.071	18.54

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	0.228	23.58
		16QAM	0.193	22.86
		64QAM	0.155	21.91
		256QAM	0.072	18.55
3 MHz	825.5 ~ 847.5	QPSK	0.23	23.62
		16QAM	0.196	22.93
		64QAM	0.157	21.95
		256QAM	0.073	18.64
5 MHz	826.5 ~ 846.5	QPSK	0.23	23.62
		16QAM	0.195	22.89
		64QAM	0.155	21.91
		256QAM	0.074	18.67
10 MHz	829 ~ 844	QPSK	0.231	23.63
		16QAM	0.198	22.96
		64QAM	0.155	21.91
		256QAM	0.073	18.65
15 MHz	831.5 ~ 841.5	QPSK	0.234	23.69
		16QAM	0.199	22.99
		64QAM	0.157	21.96
		256QAM	0.075	18.75

LTE Band 30, Output Power: Full Power

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
5 MHz	2307.5 ~ 2312.5	QPSK	0.197	22.94
		16QAM	0.195	22.91
		64QAM	0.197	22.94
		256QAM	0.177	22.47
10 MHz	2310	QPSK	0.197	22.95
		16QAM	0.195	22.91
		64QAM	0.197	22.94
		256QAM	0.178	22.51

LTE Band 30, Output Power: dBm/5 MHz

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
10 MHz	2310	QPSK	0.195	22.90
		16QAM	0.194	22.88
		64QAM	0.195	22.91
		256QAM	0.177	22.47

LTE Band 41, PC2

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
5 MHz	2498.5 ~ 2687.5	QPSK	1.102	30.42
		16QAM	0.818	29.13
		64QAM	0.736	28.67
		256QAM	0.303	24.82
10 MHz	2501 ~ 2685	QPSK	1.076	30.32
		16QAM	0.815	29.11
		64QAM	0.741	28.70
		256QAM	0.301	24.79
15 MHz	2503.5 ~ 2682.5	QPSK	1.094	30.39
		16QAM	0.815	29.11
		64QAM	0.745	28.72
		256QAM	0.3	24.77
20 MHz	2506 ~ 2680	QPSK	1.102	30.42
		16QAM	0.828	29.18
		64QAM	0.75	28.75
		256QAM	0.305	24.84

LTE Band 41, PC3

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
5 MHz	2498.5 ~ 2687.5	QPSK	0.610	27.85
		16QAM	0.490	26.90
		64QAM	0.446	26.49
		256QAM	0.180	22.55
10 MHz	2501 ~ 2685	QPSK	0.619	27.92
		16QAM	0.494	26.94
		64QAM	0.447	26.50
		256QAM	0.180	22.55
15 MHz	2503.5 ~ 2682.5	QPSK	0.610	27.85
		16QAM	0.495	26.95
		64QAM	0.448	26.51
		256QAM	0.180	22.55
20 MHz	2506 ~ 2680	QPSK	0.624	27.95
		16QAM	0.498	26.97
		64QAM	0.450	26.53
		256QAM	0.181	22.58

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	0.115	20.62
		16QAM	0.112	20.51
		64QAM	0.115	20.61
		256QAM	0.104	20.18
10 MHz	3455 ~ 3545	QPSK	0.116	20.66
		16QAM	0.111	20.47
		64QAM	0.115	20.62
		256QAM	0.104	20.18
15 MHz	3457.5 ~ 3542.5	QPSK	0.116	20.65
		16QAM	0.113	20.52
		64QAM	0.114	20.58
		256QAM	0.104	20.16
20 MHz	3460 ~ 3540	QPSK	0.117	20.67
		16QAM	0.113	20.53
		64QAM	0.116	20.66
		256QAM	0.105	20.23

LTE Band 43 (3.7 GHz ~ 3.8 GHz)

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
5 MHz	3702.5 ~ 3797.5	QPSK	0.119	20.77
		16QAM	0.112	20.50
		64QAM	0.115	20.59
		256QAM	0.104	20.19
10 MHz	3705 ~ 3795	QPSK	0.12	20.78
		16QAM	0.112	20.49
		64QAM	0.115	20.62
		256QAM	0.102	20.10
15 MHz	3707.5 ~ 3792.5	QPSK	0.121	20.84
		16QAM	0.112	20.49
		64QAM	0.115	20.61
		256QAM	0.104	20.18
20 MHz	3710 ~ 3790	QPSK	0.122	20.87
		16QAM	0.113	20.52
		64QAM	0.116	20.66
		256QAM	0.105	20.20

LTE Band 66

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
1.4 MHz	1710.7 ~ 1779.3	QPSK	0.358	25.54
		16QAM	0.301	24.78
		64QAM	0.213	23.29
		256QAM	0.106	20.25
3 MHz	1711.5 ~ 1778.5	QPSK	0.356	25.51
		16QAM	0.3	24.77
		64QAM	0.212	23.27
		256QAM	0.105	20.23
5 MHz	1712.5 ~ 1777.5	QPSK	0.357	25.53
		16QAM	0.299	24.76
		64QAM	0.213	23.29
		256QAM	0.105	20.23
10 MHz	1715 ~ 1775	QPSK	0.355	25.50
		16QAM	0.305	24.84
		64QAM	0.213	23.28
		256QAM	0.106	20.27
15 MHz	1717.5 ~ 1772.5	QPSK	0.358	25.54
		16QAM	0.3	24.77
		64QAM	0.213	23.28
		256QAM	0.105	20.21
20 MHz	1720 ~ 1770	QPSK	0.361	25.57
		16QAM	0.305	24.84
		64QAM	0.214	23.31
		256QAM	0.107	20.28

LTE Band 71

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)
5 MHz	665.5 ~ 695.5	QPSK	0.233	23.68
		16QAM	0.192	22.84
		64QAM	0.153	21.85
		256QAM	0.074	18.72
10 MHz	668 ~ 693	QPSK	0.233	23.67
		16QAM	0.191	22.82
		64QAM	0.155	21.90
		256QAM	0.075	18.74
15 MHz	670.5 ~ 690.5	QPSK	0.236	23.73
		16QAM	0.191	22.80
		64QAM	0.153	21.85
		256QAM	0.075	18.75
20 MHz	673 ~ 688	QPSK	0.237	23.75
		16QAM	0.193	22.86
		64QAM	0.156	21.92
		256QAM	0.075	18.77

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

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Band	Frequency Range (MHz)	Gain (dBi)					Worst case Ant. gain	Cable loss		Net Gain @ Ant 0	Net Gain @ Ant 2
		Maxtena Antenna				Ant 170923		Ant 0	Ant 2		
		5G-1	5G-2	5G-3	5G-4						
B2	1850-1910	3.38	3.57	2.8	3.29	2.63	3.57	0.47	0.717	3.1	2.853
B4	1710-1755	1.84	0.56	1.35	1.29	3.14	3.14	0.47	0.717	2.67	2.423
B5	824-849	1.06	-0.56	-0.99	-0.76	3.22	3.22	0.339	0.484	2.88	2.736
B7	2500-2570	5.15	5.15	4.55	4.53	2.9	5.15	0.648	1.124	4.502	4.026
B12	699-716	0.64	-0.83	0.16	0.16	3.17	3.17	0.243	0.358	2.93	2.812
B13	777-787	0.06	-2.03	-0.02	-0.49	3.06	3.06	0.339	0.484	2.721	2.576
B14	788-798	0.34	-1.68	0.27	-0.84	3.16	3.16	0.339	0.484	2.821	2.676
B17	704-716	1.5	-0.03	0.16	0.3	3.17	3.17	0.243	0.358	2.927	2.812
B25	1850-1915	3.38	3.57	2.8	3.29	2.63	3.57	0.47	0.717	3.1	2.853
B26	814-849	1.06	-0.56	-0.99	-0.76	3.22	3.22	0.339	0.484	2.881	2.736
B30	2305-2315	4.99	5.27	5.02	4.63	2.89	5.27	0.648	1.124	4.622	4.146
B38	2570-2620	4.72	4.94	4.9	5.11	2.9	5.11	0.648	1.124	4.462	3.986
B41	2496-2690	5.25	5.24	4.9	5.11	3.1	5.25	0.648	1.124	4.602	4.126
B42	3450-3600	5.13	3.9	4.85	3.57	3.48	5.13	0.799	1.174	4.331	3.956
B43	3600-3800	5.13	4.95	5.19	5.07	3.24	5.19	0.813	1.31	4.377	3.88
B48	3550-3700	5.13	4.95	5.19	4.71	3.24	5.19	0.799	1.174	4.391	4.016
B66	1710-1780	1.84	0.56	1.35	1.29	3.14	3.14	0.47	0.717	2.67	2.423
B71	663-698	-0.11	-1.35	-0.27	-0.47	2.94	2.94	0.243	0.358	2.697	2.582

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

3.3 Test Mode Applicability and Tested Channel Detail

Following channel(s) was (were) selected for the final test as listed below:

3.3.1 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

* After technical evaluation, the verification data results of LTE B2 are covered by LTE B25.

3.3.2 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

* After technical evaluation, the verification data results of LTE B4 are covered by LTE B66.

3.3.3 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

* After technical evaluation, the verification data results of LTE B5 are covered by LTE B26.

3.3.4 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	21100(2535.00 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	21100(2535.00 MHz)	20 MHz	QPSK	1 RB

3.3.5 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	23095(707.50 MHz)	10 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	23095(707.50 MHz)	10 MHz	QPSK	1 RB

3.3.6 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

3.3.7 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

3.3.8 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

* After technical evaluation, the verification data results of LTE B17 are covered by LTE B12.

3.3.9 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	26365(1882.50 MHz)	20 MHz	QPSK	1 RB

3.3.10 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

3.3.11 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	26865(831.50 MHz)	15 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	26865(831.50 MHz)	15 MHz	QPSK	1 RB

3.3.12 LTE Band 30

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	27685(2307.50 MHz) 27710(2310.00 MHz) 27735(2312.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	27710(2310.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Radiated Spurious Emissions below 1GHz	27710(2310.00 MHz)	10 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	27710(2310.00 MHz)	10 MHz	QPSK	1 RB

3.3.13 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	41490(2680.00 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	41490(2680.00 MHz)	20 MHz	QPSK	1 RB

* After technical evaluation, the verification data results of LTE B38 are covered by LTE B41.

3.3.14 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	42190(3460.00 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	42190(3460.00 MHz)	20 MHz	QPSK	1 RB

3.3.15 LTE Band 43 (3.7 GHz ~ 3.8 GHz)

Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	44615(3702.50 MHz) 45090(3750.00 MHz) 45565(3797.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	44640(3705.00 MHz) 45090(3750.00 MHz) 45540(3795.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	44665(3707.50 MHz) 45090(3750.00 MHz) 45515(3792.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	44690(3710.00 MHz) 45090(3750.00 MHz) 45490(3790.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
Radiated Spurious Emissions below 1GHz	45490(3790.00 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	45490(3790.00 MHz)	20 MHz	QPSK	1 RB

3.3.16 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	132572(1770.00 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	132572(1770.00 MHz)	20 MHz	QPSK	1 RB

3.3.17 LTE Band 71

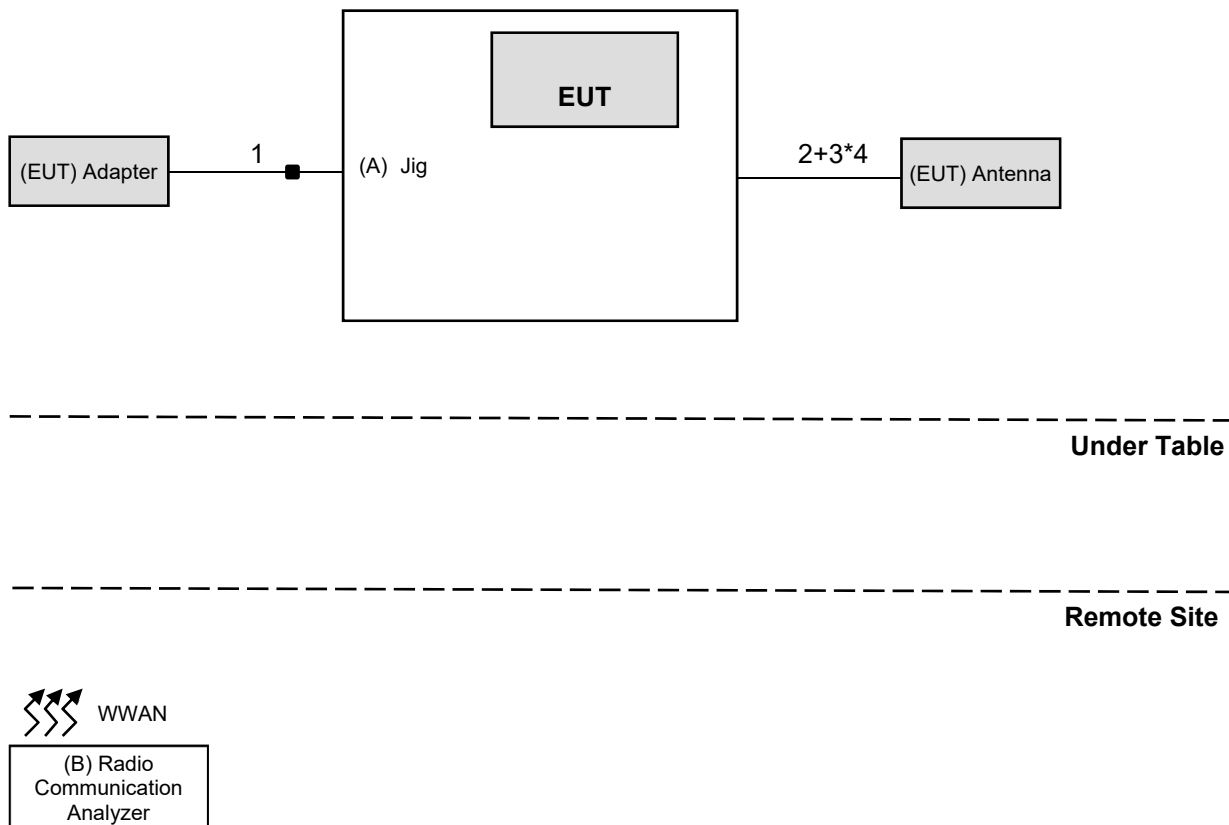
Test Item	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	133147(665.50 MHz) 133297(680.50 MHz) 133447(695.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
	133172(668.00 MHz) 133297(680.50 MHz) 133422(693.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half 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	133297(680.50 MHz)	20 MHz	QPSK	1 RB

3.4 Test Program Used and Operation Descriptions

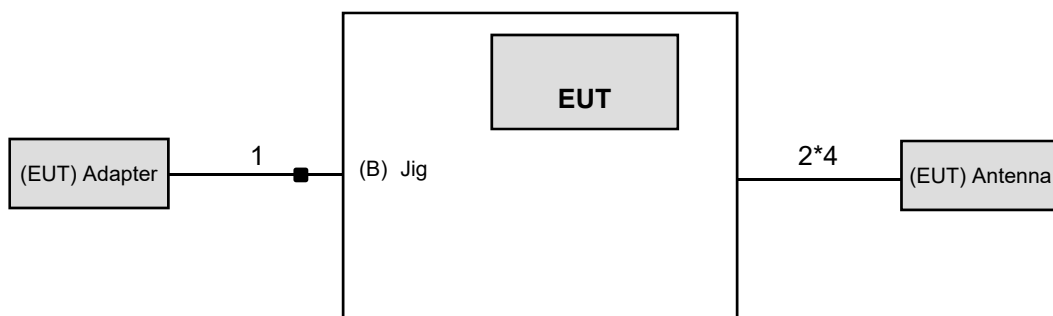
Set the EUT under transmission condition continuously at specific channel frequency.

3.5 Connection Diagram of EUT and Peripheral Devices

For Maxtena Antenna



For Ant 170923



Under Table

Remote Site



WWAN

(B) Radio
Communication
Analyzer

3.6 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	Jig	NA	NA	NA	NA	Supplied by applicant
B	Radio Communication Analyzer	Anritsu	MT8821C	6201462755	NA	-

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	DC Cable	1	1.8	No	1	Supplied by applicant
2	RF Cable	4	0.1	No	0	Supplied by applicant
3	RF Cable	4	3	Yes	0	Supplied by applicant

4 Test Instruments

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

4.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Fixed Attenuator Woken	00800A1K01A-10	00800A1K01A-10-01	2025/5/23	2026/5/22
PXA Signal Analyzer Keysight	N9030B	MY57140938	2025/3/24	2026/3/23
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A
UXM 5G Wireless Test Platform Keysight	E7515B	MY60102115	2025/5/26	2026/5/25

Notes:

1. The test was performed in Oven room.
2. Tested Date: 2025/10/30

4.2 Radiated Spurious Emissions below 1GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn Max-Full	MFA-440H	AT93021705	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-472	2025/9/16	2026/9/15
Loop Antenna TESEQ	HLA 6121	45745	2025/9/1	2026/8/31
MXE EMI Receiver Agilent	N9038A	MY51210203	2025/8/27	2026/8/26
Preamplifier EMCI	EMC 330H	980112	2025/9/21	2026/9/20
	EMC001340	980201	2025/9/21	2026/9/20
RF Coaxial Cable Woken	8D-FB	Cable-Ch10-01	2025/9/21	2026/9/20
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	MG-7802	N/A	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 5.
2. Tested Date: 2025/10/30 ~ 2025/10/31

4.3 Radiated Spurious Emissions above 1GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower & Turn Max-Full	MFA-440H	AT93021705	N/A	N/A
Boresight antenna tower fixture BV	BAF-02	7	N/A	N/A
Horn Antenna Schwarzbeck	BBHA 9120D	9120D-969	2024/11/10 2025/11/9	2025/11/9 2026/11/8
	BBHA 9170	148	2024/11/10 2025/11/9	2025/11/9 2026/11/8
MXE EMI Receiver Agilent	N9038A	MY51210203	2025/8/27	2026/8/26
Preamplifier EMCI	EMC 184045	980116	2025/9/21	2026/9/20
	EMC118A45SE	980809	2025/4/24	2026/4/23
RF Coaxial Cable EMCI	EMC102-KM-KM-600	150928	2025/6/30	2026/6/29
	EMC102-KM-KM-3000	150929	2025/6/30	2026/6/29
	EMC104-SM-SM- 8000+3000	171005	2025/9/21	2026/9/20
RF Coaxial Cable HUBER+SUHNER	SUCOFLEX 104	EMC104-SM-SM- 1000(140807)	2025/9/21	2026/9/20
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	MG-7802	N/A	N/A	N/A

Notes:

1. The test was performed in HY - 966 chamber 5.
2. Tested Date: 2025/10/29 ~ 2025/11/10

5 Limits of Test Items

5.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

For 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 LTE Band 2, LTE Band 25:

Mobile and portable stations are limited to 2 watts EIRP.

For LTE Band 14:

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

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

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

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

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

For LTE Band 13:

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

For 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 30:

For mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, except that for mobile and portable stations compliant with 3GPP LTE standards or another advanced mobile broadband protocol that avoids concentrating energy at the edge of the operating band the average EIRP must not exceed 250 milliwatts within any 5 megahertz of authorized bandwidth but may exceed 50 milliwatts within any 1 megahertz of authorized bandwidth.

For LTE Band 7, 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 43 (3.7 GHz ~ 3.8 GHz):

Mobile and portable stations are limited to 1 Watt EIRP.

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 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 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 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 30:

According to FCC 47 CFR part 27.53(a)(4)(ii)(iii), the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $70 + 10 \log(P)$ dB. The limit of emission is equal to -40 dBm.

For LTE Band 7, 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 43 (3.7 GHz ~ 3.8 GHz):

According to FCC 47 CFR part 27.53(l), for mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

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 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 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 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 30:

According to FCC 47 CFR part 27.53(a)(4)(ii)(iii), the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $70 + 10 \log(P)$ dB. The limit of emission is equal to -40 dBm.

For LTE Band 7, 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 43 (3.7 GHz ~ 3.8 GHz):

According to FCC 47 CFR part 27.53(l), for mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

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

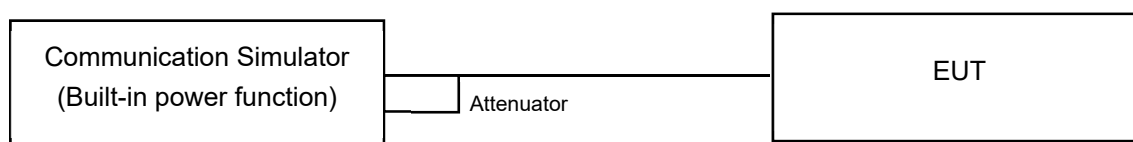
According to FCC 47 CFR part 27.53(n), for operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

6 Test Arrangements

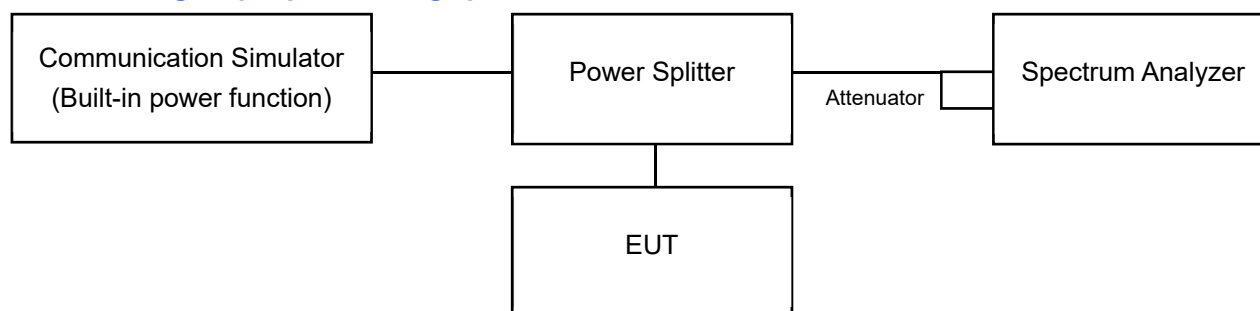
6.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

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 test software or key-in commands 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.

- a. Set span to $2 \times$ to $3 \times$ the OBW.
- b. Set RBW = 1% to 5% of the OBW.
- c. Set VBW $\geq 3 \times$ RBW.
- d. Set number of measurement points in sweep $\geq 2 \times$ span / RBW.
- e. Set Sweep time = auto-couple.
- f. Detector = power averaging (rms).
- g. Set sweep trigger to "free run."
- h. Trace average at least 100 traces in power averaging (rms) mode.
- i. 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.
- j. 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)

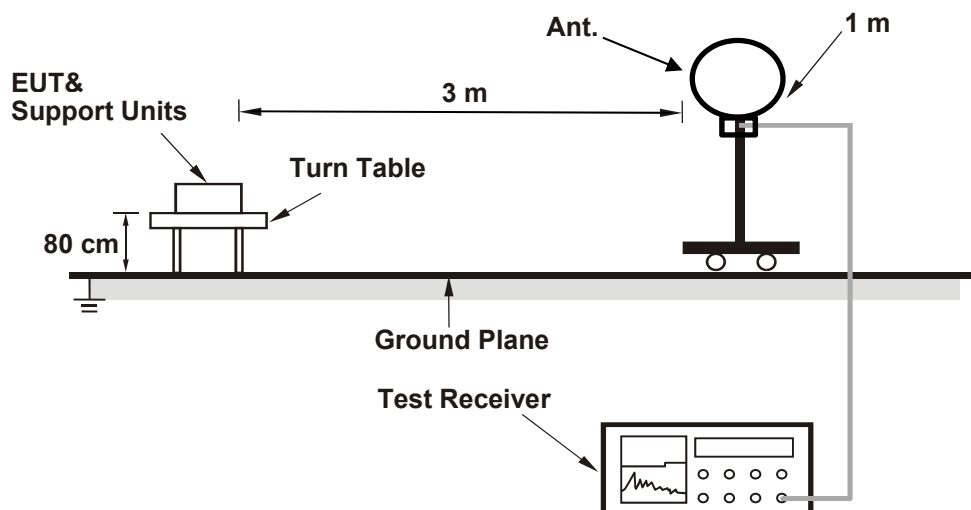
P_{Meas} measured transmitter output power or PSD, in dBm or dBW

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

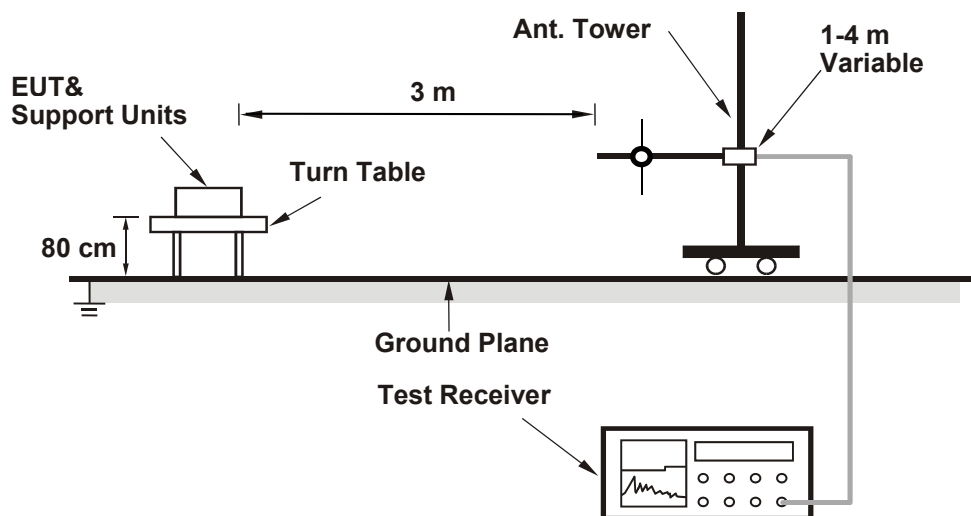
6.2 Radiated Spurious Emissions below 1GHz

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.

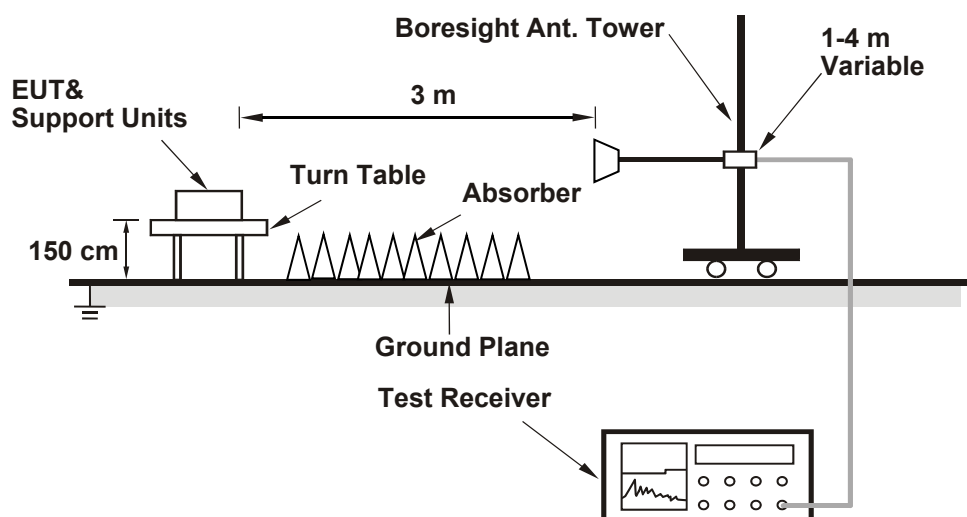
Note:

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
- $EIRP (dBm) = E (dB\mu V/m) + 20\log(D) - 104.8$; where D is the measurement distance (in the far field region) in m.
- $ERP (dBm) = E (dB\mu V/m) + 20\log(D) - 104.8 - 2.15$; where D is the measurement distance (in the far field region) in m.

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

7 Test Results of Test Item

7.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

Environmental Conditions:	23°C, 62% RH	Tested By:	Charles Hsiao
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7.1.1 LTE Band 2

LTE Band 2, Channel Bandwidth: 1.4 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18607	CH 18900	CH 19193
			1850.7 MHz	1880 MHz	1909.3 MHz
QPSK	1	0	22.30	22.56	22.58
	1	2	22.14	22.67	22.53
	1	5	22.41	22.64	22.51
	3	0	22.18	22.56	22.56
	3	1	22.41	22.60	22.69
	3	3	22.13	22.47	22.49
	6	0	21.16	21.45	21.46
16QAM	1	0	21.45	21.82	21.80
	1	2	21.71	21.92	21.92
	1	5	21.38	21.82	21.61
	3	0	21.00	21.26	21.16
	3	1	21.15	21.36	21.31
	3	3	20.99	21.50	21.33
	6	0	20.13	20.41	20.25
64QAM	1	0	20.21	20.42	20.38
	1	2	20.20	20.55	20.50
	1	5	20.28	20.51	20.38
	3	0	20.01	20.34	20.22
	3	1	20.21	20.36	20.41
	3	3	19.99	20.34	20.25
	6	0	19.19	19.40	19.33
256QAM	1	0	17.27	17.40	17.54
	1	2	17.19	17.41	17.48
	1	5	17.05	17.43	17.26
	3	0	16.85	17.22	17.19
	3	1	17.02	17.34	17.24
	3	3	17.14	17.40	17.48
	6	0	17.14	17.35	17.29

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.16	22.69	24.26	25.79	33.01
16QAM	20.13	21.92	23.23	25.02	33.01
64QAM	19.19	20.55	22.29	23.65	33.01
256QAM	16.85	17.54	19.95	20.64	33.01

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

LTE Band 2, Channel Bandwidth: 3 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18615	CH 18900	CH 19185
			1851.5 MHz	1880 MHz	1908.5 MHz
QPSK	1	0	22.44	22.72	22.62
	1	7	22.39	22.64	22.62
	1	14	22.45	22.71	22.60
	8	0	21.29	21.63	21.59
	8	3	21.50	21.64	21.71
	8	7	21.24	21.62	21.57
	15	0	21.35	21.59	21.55
16QAM	1	0	21.59	21.82	21.81
	1	7	21.85	22.11	22.06
	1	14	21.50	21.86	21.75
	8	0	20.05	20.31	20.29
	8	3	20.14	20.39	20.40
	8	7	20.13	20.47	20.44
	15	0	20.08	20.36	20.44
64QAM	1	0	20.20	20.55	20.49
	1	7	20.35	20.60	20.52
	1	14	20.26	20.55	20.42
	8	0	19.03	19.39	19.31
	8	3	19.19	19.46	19.46
	8	7	19.12	19.43	19.30
	15	0	19.20	19.47	19.45
256QAM	1	0	17.31	17.56	17.57
	1	7	17.22	17.47	17.53
	1	14	17.13	17.39	17.34
	8	0	17.00	17.37	17.31
	8	3	17.12	17.29	17.35
	8	7	17.22	17.39	17.40
	15	0	17.14	17.38	17.29

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.24	22.72	24.34	25.82	33.01
16QAM	20.05	22.11	23.15	25.21	33.01
64QAM	19.03	20.6	22.13	23.7	33.01
256QAM	17	17.57	20.1	20.67	33.01

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

LTE Band 2, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18625	CH 18900	CH 19175
			1852.5 MHz	1880 MHz	1907.5 MHz
QPSK	1	0	22.43	22.73	22.57
	1	12	22.29	22.63	22.64
	1	24	22.38	22.61	22.66
	12	0	21.31	21.58	21.60
	12	6	21.50	21.64	21.61
	12	13	21.24	21.60	21.58
	25	0	21.25	21.57	21.61
16QAM	1	0	21.66	21.85	21.84
	1	12	21.80	22.15	22.09
	1	24	21.54	21.87	21.83
	12	0	20.15	20.40	20.36
	12	6	20.18	20.39	20.43
	12	13	20.14	20.50	20.45
	25	0	20.05	20.43	20.42
64QAM	1	0	20.19	20.50	20.48
	1	12	20.38	20.55	20.56
	1	24	20.28	20.57	20.48
	12	0	19.02	19.39	19.35
	12	6	19.22	19.49	19.43
	12	13	19.18	19.35	19.34
	25	0	19.20	19.44	19.45
256QAM	1	0	17.32	17.55	17.53
	1	12	17.18	17.49	17.51
	1	24	17.07	17.41	17.41
	12	0	17.00	17.31	17.28
	12	6	17.15	17.39	17.36
	12	13	17.16	17.43	17.44
	25	0	17.11	17.37	17.38

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.24	22.73	24.34	25.83	33.01
16QAM	20.05	22.15	23.15	25.25	33.01
64QAM	19.02	20.57	22.12	23.67	33.01
256QAM	17	17.55	20.1	20.65	33.01

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

LTE Band 2, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18650	CH 18900	CH 19150
			1855 MHz	1880 MHz	1905 MHz
QPSK	1	0	22.40	22.73	22.53
	1	24	22.37	22.65	22.67
	1	49	22.44	22.62	22.66
	25	0	21.24	21.54	21.54
	25	12	21.48	21.65	21.63
	25	25	21.24	21.64	21.58
	50	0	21.33	21.55	21.53
16QAM	1	0	21.67	21.86	21.82
	1	24	21.85	22.14	22.02
	1	49	21.53	21.83	21.80
	25	0	20.14	20.37	20.37
	25	12	20.19	20.38	20.39
	25	25	20.20	20.54	20.42
	50	0	20.10	20.45	20.40
64QAM	1	0	20.13	20.52	20.48
	1	24	20.33	20.56	20.57
	1	49	20.24	20.54	20.47
	25	0	19.08	19.35	19.34
	25	12	19.18	19.51	19.45
	25	25	19.11	19.35	19.36
	50	0	19.17	19.42	19.48
256QAM	1	0	17.36	17.58	17.52
	1	24	17.18	17.49	17.45
	1	49	17.08	17.39	17.35
	25	0	17.06	17.30	17.32
	25	12	17.11	17.37	17.32
	25	25	17.23	17.48	17.49
	50	0	17.09	17.36	17.30

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.24	22.73	24.34	25.83	33.01
16QAM	20.1	22.14	23.2	25.24	33.01
64QAM	19.08	20.57	22.18	23.67	33.01
256QAM	17.06	17.58	20.16	20.68	33.01

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

LTE Band 2, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18675	CH 18900	CH 19125
			1857.5 MHz	1880 MHz	1902.5 MHz
QPSK	1	0	22.40	22.72	22.56
	1	37	22.31	22.72	22.67
	1	74	22.36	22.66	22.66
	36	0	21.31	21.64	21.53
	36	19	21.42	21.61	21.71
	36	39	21.30	21.62	21.56
	75	0	21.28	21.60	21.61
16QAM	1	0	21.58	21.91	21.89
	1	37	21.78	22.16	22.06
	1	74	21.47	21.84	21.76
	36	0	20.06	20.33	20.30
	36	19	20.15	20.44	20.42
	36	39	20.13	20.55	20.41
	75	0	20.11	20.45	20.39
64QAM	1	0	20.21	20.50	20.48
	1	37	20.37	20.64	20.53
	1	74	20.23	20.60	20.44
	36	0	19.01	19.33	19.29
	36	19	19.17	19.44	19.44
	36	39	19.08	19.37	19.31
	75	0	19.24	19.42	19.46
256QAM	1	0	17.30	17.57	17.53
	1	37	17.17	17.46	17.53
	1	74	17.14	17.45	17.41
	36	0	17.03	17.32	17.34
	36	19	17.10	17.39	17.39
	36	39	17.25	17.44	17.48
	75	0	17.07	17.37	17.35

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.28	22.72	24.38	25.82	33.01
16QAM	20.06	22.16	23.16	25.26	33.01
64QAM	19.01	20.64	22.11	23.74	33.01
256QAM	17.03	17.57	20.13	20.67	33.01

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

LTE Band 2, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 18700	CH 18900	CH 19100
			1860 MHz	1880 MHz	1900 MHz
QPSK	1	0	22.48	22.74	22.62
	1	50	22.39	22.72	22.68
	1	99	22.46	22.71	22.69
	50	0	21.33	21.64	21.60
	50	25	21.50	21.71	21.71
	50	50	21.32	21.65	21.59
	100	0	21.35	21.63	21.61
16QAM	1	0	21.67	21.92	21.90
	1	50	21.86	22.17	22.12
	1	99	21.54	21.92	21.84
	50	0	20.15	20.40	20.38
	50	25	20.20	20.46	20.43
	50	50	20.20	20.55	20.46
	100	0	20.14	20.45	20.44
64QAM	1	0	20.22	20.57	20.51
	1	50	20.42	20.64	20.62
	1	99	20.30	20.61	20.51
	50	0	19.10	19.43	19.38
	50	25	19.24	19.52	19.50
	50	50	19.18	19.44	19.39
	100	0	19.27	19.52	19.50
256QAM	1	0	17.40	17.61	17.60
	1	50	17.27	17.55	17.55
	1	99	17.14	17.49	17.42
	50	0	17.09	17.40	17.36
	50	25	17.19	17.39	17.39
	50	50	17.26	17.49	17.49
	100	0	17.17	17.45	17.38

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.32	22.74	24.42	25.84	33.01
16QAM	20.14	22.17	23.24	25.27	33.01
64QAM	19.1	20.64	22.2	23.74	33.01
256QAM	17.09	17.61	20.19	20.71	33.01

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

7.1.2 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	20.94	21.02	20.98
	1	2	20.85	20.94	20.85
	1	5	20.94	20.91	20.87
	3	0	21.03	21.05	20.87
	3	1	20.99	20.87	20.80
	3	3	20.81	20.98	20.79
	6	0	19.96	20.06	19.86
16QAM	1	0	20.07	20.09	19.98
	1	2	20.37	20.51	20.34
	1	5	20.17	20.16	20.03
	3	0	19.55	19.58	19.43
	3	1	19.66	19.64	19.51
	3	3	19.64	19.69	19.55
	6	0	18.61	18.64	18.60
64QAM	1	0	18.85	18.73	18.84
	1	2	18.82	18.85	18.80
	1	5	18.88	18.93	18.73
	3	0	18.46	18.60	18.49
	3	1	18.71	18.69	18.61
	3	3	18.56	18.69	18.71
	6	0	17.69	17.76	17.50
256QAM	1	0	15.70	15.81	15.76
	1	2	15.76	15.80	15.65
	1	5	15.66	15.73	15.72
	3	0	15.45	15.52	15.46
	3	1	15.70	15.77	15.68
	3	3	15.60	15.70	15.57
	6	0	15.66	15.71	15.62

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.86	21.05	22.53	23.72	30
16QAM	18.6	20.51	21.27	23.18	30
64QAM	17.5	18.93	20.17	21.6	30
256QAM	15.45	15.81	18.12	18.48	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	21.05	21.02	20.98
	1	7	20.99	21.04	20.89
	1	14	20.97	20.98	20.91
	8	0	20.06	20.07	20.07
	8	3	20.02	20.12	20.04
	8	7	19.91	20.02	19.98
	15	0	20.00	20.09	19.92
16QAM	1	0	20.22	20.24	20.07
	1	7	20.41	20.53	20.41
	1	14	20.18	20.20	20.10
	8	0	18.67	18.77	18.50
	8	3	18.74	18.78	18.66
	8	7	18.74	18.85	18.75
	15	0	18.73	18.74	18.73
64QAM	1	0	18.91	18.86	18.88
	1	7	18.84	18.90	18.82
	1	14	18.85	18.91	18.79
	8	0	17.63	17.69	17.59
	8	3	17.75	17.81	17.70
	8	7	17.63	17.72	17.62
	15	0	17.73	17.82	17.72
256QAM	1	0	15.85	15.84	15.78
	1	7	15.81	15.88	15.68
	1	14	15.74	15.79	15.72
	8	0	15.66	15.71	15.55
	8	3	15.74	15.68	15.73
	8	7	15.69	15.83	15.73
	15	0	15.68	15.76	15.74

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.91	21.05	22.58	23.72	30
16QAM	18.5	20.53	21.17	23.2	30
64QAM	17.59	18.91	20.26	21.58	30
256QAM	15.55	15.88	18.22	18.55	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	21.05	21.04	21.01
	1	12	20.93	21.09	20.88
	1	24	20.96	21.01	20.95
	12	0	20.04	20.09	20.06
	12	6	20.01	20.06	19.97
	12	13	19.89	20.04	19.93
	25	0	19.99	20.10	19.97
16QAM	1	0	20.15	20.25	20.08
	1	12	20.37	20.52	20.34
	1	24	20.22	20.20	20.17
	12	0	18.58	18.67	18.56
	12	6	18.78	18.79	18.63
	12	13	18.74	18.88	18.73
	25	0	18.72	18.78	18.77
64QAM	1	0	18.86	18.87	18.80
	1	12	18.88	18.87	18.82
	1	24	18.90	18.89	18.81
	12	0	17.60	17.73	17.51
	12	6	17.79	17.82	17.69
	12	13	17.69	17.76	17.65
	25	0	17.69	17.78	17.67
256QAM	1	0	15.87	15.90	15.74
	1	12	15.77	15.85	15.70
	1	24	15.72	15.80	15.80
	12	0	15.62	15.64	15.56
	12	6	15.75	15.78	15.64
	12	13	15.70	15.76	15.66
	25	0	15.65	15.77	15.64

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.89	21.09	22.56	23.76	30
16QAM	18.56	20.52	21.23	23.19	30
64QAM	17.51	18.9	20.18	21.57	30
256QAM	15.56	15.9	18.23	18.57	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	21.02	21.05	21.03
	1	24	21.01	21.04	20.94
	1	49	20.94	21.04	20.93
	25	0	20.07	20.15	20.03
	25	12	20.00	20.12	20.01
	25	25	19.93	19.99	19.95
	50	0	19.97	20.12	19.91
16QAM	1	0	20.18	20.18	20.10
	1	24	20.35	20.50	20.40
	1	49	20.15	20.26	20.15
	25	0	18.61	18.67	18.55
	25	12	18.77	18.80	18.69
	25	25	18.78	18.85	18.75
	50	0	18.79	18.73	18.78
64QAM	1	0	18.88	18.93	18.83
	1	24	18.86	18.88	18.83
	1	49	18.93	18.87	18.81
	25	0	17.60	17.75	17.49
	25	12	17.83	17.78	17.73
	25	25	17.69	17.72	17.62
	50	0	17.79	17.80	17.64
256QAM	1	0	15.77	15.83	15.75
	1	24	15.71	15.78	15.67
	1	49	15.73	15.74	15.71
	25	0	15.64	15.69	15.53
	25	12	15.67	15.74	15.67
	25	25	15.67	15.76	15.69
	50	0	15.72	15.79	15.74

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.91	21.05	22.58	23.72	30
16QAM	18.55	20.5	21.22	23.17	30
64QAM	17.49	18.93	20.16	21.6	30
256QAM	15.53	15.83	18.2	18.5	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	21.02	21.08	21.04
	1	37	20.97	21.04	20.89
	1	74	20.99	20.98	20.98
	36	0	20.04	20.06	20.02
	36	19	20.06	20.02	19.99
	36	39	19.89	19.99	19.88
	75	0	20.00	20.05	19.94
16QAM	1	0	20.16	20.23	20.10
	1	37	20.36	20.50	20.42
	1	74	20.22	20.22	20.10
	36	0	18.61	18.77	18.53
	36	19	18.70	18.75	18.60
	36	39	18.81	18.85	18.74
	75	0	18.77	18.75	18.81
64QAM	1	0	18.91	18.91	18.81
	1	37	18.87	18.87	18.79
	1	74	18.83	18.96	18.85
	36	0	17.66	17.77	17.49
	36	19	17.75	17.79	17.68
	36	39	17.65	17.77	17.64
	75	0	17.78	17.74	17.67
256QAM	1	0	15.86	15.92	15.73
	1	37	15.76	15.79	15.71
	1	74	15.77	15.79	15.74
	36	0	15.66	15.65	15.53
	36	19	15.73	15.72	15.68
	36	39	15.71	15.75	15.72
	75	0	15.74	15.73	15.69

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.88	21.08	22.55	23.75	30
16QAM	18.53	20.5	21.2	23.17	30
64QAM	17.49	18.96	20.16	21.63	30
256QAM	15.53	15.92	18.2	18.59	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	21.06	21.10	21.04
	1	50	21.01	21.09	20.98
	1	99	21.00	21.07	20.99
	50	0	20.09	20.16	20.08
	50	25	20.06	20.12	20.04
	50	50	19.98	20.08	19.98
	100	0	20.05	20.15	19.99
16QAM	1	0	20.25	20.28	20.16
	1	50	20.45	20.55	20.44
	1	99	20.25	20.30	20.17
	50	0	18.67	18.77	18.58
	50	25	18.78	18.82	18.69
	50	50	18.81	18.88	18.76
	100	0	18.82	18.83	18.81
64QAM	1	0	18.95	18.95	18.90
	1	50	18.92	18.94	18.86
	1	99	18.93	18.96	18.87
	50	0	17.67	17.77	17.59
	50	25	17.84	17.87	17.75
	50	50	17.73	17.79	17.71
	100	0	17.79	17.83	17.72
256QAM	1	0	15.87	15.93	15.81
	1	50	15.81	15.88	15.75
	1	99	15.82	15.83	15.80
	50	0	15.66	15.73	15.63
	50	25	15.77	15.78	15.74
	50	50	15.77	15.85	15.76
	100	0	15.75	15.82	15.74

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.98	21.1	22.65	23.77	30
16QAM	18.58	20.55	21.25	23.22	30
64QAM	17.59	18.96	20.26	21.63	30
256QAM	15.63	15.93	18.3	18.6	30

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

7.1.3 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	21.24	21.22	21.08
	1	2	21.16	21.19	20.97
	1	5	21.05	21.05	21.16
	3	0	21.16	21.13	21.13
	3	1	21.25	21.13	21.02
	3	3	21.23	21.20	21.11
	6	0	20.27	20.21	20.11
16QAM	1	0	20.36	20.27	20.22
	1	2	20.40	20.39	20.31
	1	5	20.31	20.16	20.11
	3	0	20.29	20.31	20.17
	3	1	20.34	20.34	20.07
	3	3	20.27	20.32	20.28
	6	0	19.26	19.23	19.22
64QAM	1	0	19.35	19.33	19.28
	1	2	19.40	19.30	19.21
	1	5	19.25	19.23	19.20
	3	0	19.27	19.31	19.28
	3	1	19.28	19.33	19.20
	3	3	19.25	19.31	19.28
	6	0	18.38	18.34	18.32
256QAM	1	0	16.37	16.23	16.10
	1	2	16.41	16.39	16.26
	1	5	16.06	16.11	15.97
	3	0	16.18	16.24	16.06
	3	1	16.17	16.20	16.05
	3	3	16.31	16.12	16.21
	6	0	16.12	16.10	16.11

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	20.11	21.25	20.84	21.98	38.45
16QAM	19.22	20.4	19.95	21.13	38.45
64QAM	18.32	19.4	19.05	20.13	38.45
256QAM	15.97	16.41	16.70	17.14	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	21.36	21.26	21.27
	1	7	21.25	21.22	21.21
	1	14	21.19	21.11	21.16
	8	0	20.36	20.24	20.17
	8	3	20.30	20.23	20.15
	8	7	20.37	20.34	20.30
	15	0	20.25	20.31	20.19
16QAM	1	0	20.41	20.32	20.22
	1	7	20.42	20.43	20.50
	1	14	20.42	20.32	20.21
	8	0	19.34	19.31	19.25
	8	3	19.47	19.37	19.21
	8	7	19.41	19.40	19.33
	15	0	19.44	19.42	19.32
64QAM	1	0	19.46	19.36	19.26
	1	7	19.57	19.45	19.36
	1	14	19.38	19.31	19.28
	8	0	18.42	18.36	18.32
	8	3	18.41	18.38	18.34
	8	7	18.42	18.44	18.33
	15	0	18.43	18.46	18.44
256QAM	1	0	16.32	16.32	16.16
	1	7	16.47	16.34	16.35
	1	14	16.10	16.09	16.02
	8	0	16.27	16.26	16.21
	8	3	16.35	16.34	16.23
	8	7	16.26	16.27	16.16
	15	0	16.19	16.18	16.28

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	20.15	21.36	20.88	22.09	38.45
16QAM	19.21	20.5	19.94	21.23	38.45
64QAM	18.32	19.57	19.05	20.30	38.45
256QAM	16.02	16.47	16.75	17.20	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	21.35	21.31	21.28
	1	12	21.35	21.22	21.18
	1	24	21.27	21.19	21.18
	12	0	20.30	20.23	20.15
	12	6	20.36	20.22	20.10
	12	13	20.27	20.35	20.23
	25	0	20.25	20.22	20.23
16QAM	1	0	20.40	20.31	20.27
	1	12	20.42	20.43	20.42
	1	24	20.44	20.31	20.29
	12	0	19.36	19.34	19.19
	12	6	19.39	19.27	19.20
	12	13	19.33	19.35	19.32
	25	0	19.39	19.33	19.28
64QAM	1	0	19.48	19.35	19.28
	1	12	19.51	19.47	19.34
	1	24	19.43	19.41	19.29
	12	0	18.44	18.26	18.29
	12	6	18.38	18.42	18.40
	12	13	18.46	18.47	18.36
	25	0	18.48	18.43	18.38
256QAM	1	0	16.31	16.24	16.18
	1	12	16.42	16.40	16.26
	1	24	16.14	16.10	15.95
	12	0	16.27	16.30	16.14
	12	6	16.32	16.30	16.16
	12	13	16.27	16.21	16.24
	25	0	16.23	16.27	16.20

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	20.1	21.35	20.83	22.08	38.45
16QAM	19.19	20.44	19.92	21.17	38.45
64QAM	18.26	19.51	18.99	20.24	38.45
256QAM	15.95	16.42	16.68	17.15	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	21.40	21.32	21.29
	1	24	21.35	21.29	21.21
	1	49	21.28	21.19	21.18
	25	0	20.38	20.28	20.24
	25	12	20.37	20.27	20.20
	25	25	20.37	20.35	20.30
	50	0	20.35	20.31	20.25
16QAM	1	0	20.46	20.41	20.32
	1	24	20.52	20.50	20.50
	1	49	20.45	20.38	20.30
	25	0	19.42	19.36	19.26
	25	12	19.47	19.37	19.27
	25	25	19.43	19.41	19.41
	50	0	19.44	19.42	19.38
64QAM	1	0	19.48	19.43	19.36
	1	24	19.57	19.47	19.37
	1	49	19.48	19.41	19.32
	25	0	18.44	18.36	18.35
	25	12	18.47	18.45	18.43
	25	25	18.48	18.48	18.39
	50	0	18.51	18.49	18.46
256QAM	1	0	16.41	16.32	16.22
	1	24	16.50	16.40	16.36
	1	49	16.16	16.15	16.05
	25	0	16.32	16.32	16.22
	25	12	16.37	16.35	16.26
	25	25	16.33	16.28	16.24
	50	0	16.28	16.28	16.28

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	20.2	21.4	20.93	22.13	38.45
16QAM	19.26	20.52	19.99	21.25	38.45
64QAM	18.35	19.57	19.08	20.30	38.45
256QAM	16.05	16.5	16.78	17.23	38.45

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

7.1.4 LTE Band 7

LTE Band 7, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20775	CH 21100	CH 21425
			2502.5 MHz	2535 MHz	2567.5 MHz
QPSK	1	0	22.02	22.60	22.34
	1	12	22.12	22.53	22.34
	1	24	21.80	22.41	22.15
	12	0	21.14	21.67	21.37
	12	6	20.89	21.45	21.23
	12	13	20.91	21.52	21.17
	25	0	21.04	21.54	21.20
16QAM	1	0	21.40	21.92	21.65
	1	12	21.19	21.74	21.46
	1	24	21.20	21.64	21.45
	12	0	20.24	20.71	20.50
	12	6	20.01	20.52	20.36
	12	13	19.85	20.49	20.16
	25	0	19.87	20.36	20.12
64QAM	1	0	20.96	21.38	21.17
	1	12	20.14	20.67	20.43
	1	24	20.37	20.81	20.59
	12	0	19.29	19.75	19.47
	12	6	19.06	19.46	19.33
	12	13	19.07	19.50	19.31
	25	0	18.97	19.53	19.29
256QAM	1	0	17.07	17.53	17.34
	1	12	17.04	17.50	17.28
	1	24	17.04	17.52	17.30
	12	0	16.68	17.20	16.90
	12	6	16.85	17.48	17.16
	12	13	16.95	17.43	17.20
	25	0	16.83	17.47	17.13

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.89	22.6	25.39	27.10	33.01
16QAM	19.85	21.92	24.35	26.42	33.01
64QAM	18.97	21.38	23.47	25.88	33.01
256QAM	16.68	17.53	21.18	22.03	33.01

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

LTE Band 7, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20800	CH 21100	CH 21400
			2505 MHz	2535 MHz	2565 MHz
QPSK	1	0	22.09	22.58	22.36
	1	24	22.15	22.51	22.36
	1	49	21.85	22.43	22.10
	25	0	21.13	21.61	21.38
	25	12	20.90	21.45	21.25
	25	25	20.90	21.47	21.26
	50	0	21.04	21.49	21.24
16QAM	1	0	21.42	21.98	21.63
	1	24	21.23	21.77	21.48
	1	49	21.20	21.65	21.40
	25	0	20.22	20.71	20.45
	25	12	20.06	20.48	20.26
	25	25	19.95	20.39	20.17
	50	0	19.89	20.37	20.08
64QAM	1	0	21.01	21.46	21.14
	1	24	20.13	20.67	20.43
	1	49	20.37	20.75	20.54
	25	0	19.24	19.79	19.49
	25	12	19.04	19.48	19.23
	25	25	19.01	19.56	19.28
	50	0	18.98	19.57	19.33
256QAM	1	0	17.07	17.56	17.38
	1	24	17.02	17.57	17.29
	1	49	17.06	17.55	17.29
	25	0	16.67	17.17	16.85
	25	12	16.91	17.47	17.17
	25	25	16.95	17.40	17.20
	50	0	16.84	17.39	17.14

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.9	22.58	25.40	27.08	33.01
16QAM	19.89	21.98	24.39	26.48	33.01
64QAM	18.98	21.46	23.48	25.96	33.01
256QAM	16.67	17.57	21.17	22.07	33.01

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

LTE Band 7, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20825	CH 21100	CH 21375
			2507.5 MHz	2535 MHz	2562.5 MHz
QPSK	1	0	22.10	22.62	22.44
	1	37	22.08	22.49	22.28
	1	74	21.80	22.39	22.12
	36	0	21.18	21.65	21.38
	36	19	20.90	21.50	21.20
	36	39	21.00	21.54	21.18
	75	0	21.05	21.56	21.24
16QAM	1	0	21.46	21.91	21.58
	1	37	21.23	21.77	21.38
	1	74	21.24	21.69	21.42
	36	0	20.25	20.68	20.48
	36	19	20.04	20.53	20.33
	36	39	19.88	20.47	20.15
	75	0	19.88	20.42	20.08
64QAM	1	0	21.02	21.36	21.23
	1	37	20.09	20.72	20.41
	1	74	20.36	20.82	20.64
	36	0	19.30	19.73	19.51
	36	19	19.05	19.56	19.31
	36	39	19.07	19.57	19.37
	75	0	18.98	19.52	19.29
256QAM	1	0	17.07	17.54	17.30
	1	37	17.04	17.56	17.21
	1	74	17.00	17.54	17.32
	36	0	16.64	17.13	16.89
	36	19	16.87	17.43	17.11
	36	39	16.99	17.48	17.19
	75	0	16.92	17.42	17.16

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.9	22.62	25.40	27.12	33.01
16QAM	19.88	21.91	24.38	26.41	33.01
64QAM	18.98	21.36	23.48	25.86	33.01
256QAM	16.64	17.56	21.14	22.06	33.01

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

LTE Band 7, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20850	CH 21100	CH 21350
			2510 MHz	2535 MHz	2560 MHz
QPSK	1	0	22.11	22.64	22.44
	1	50	22.17	22.58	22.38
	1	99	21.90	22.44	22.17
	50	0	21.21	21.68	21.41
	50	25	20.98	21.54	21.26
	50	50	21.00	21.55	21.26
	100	0	21.09	21.57	21.30
16QAM	1	0	21.46	21.98	21.68
	1	50	21.28	21.77	21.48
	1	99	21.27	21.71	21.49
	50	0	20.25	20.71	20.51
	50	25	20.08	20.57	20.36
	50	50	19.95	20.49	20.24
	100	0	19.94	20.46	20.16
64QAM	1	0	21.03	21.46	21.24
	1	50	20.19	20.76	20.49
	1	99	20.42	20.84	20.64
	50	0	19.33	19.81	19.55
	50	25	19.11	19.56	19.33
	50	50	19.10	19.60	19.38
	100	0	19.04	19.58	19.33
256QAM	1	0	17.09	17.59	17.38
	1	50	17.07	17.59	17.29
	1	99	17.08	17.60	17.32
	50	0	16.69	17.20	16.93
	50	25	16.92	17.50	17.21
	50	50	17.00	17.50	17.21
	100	0	16.92	17.48	17.18

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.98	22.64	25.48	27.14	33.01
16QAM	19.94	21.98	24.44	26.48	33.01
64QAM	19.04	21.46	23.54	25.96	33.01
256QAM	16.69	17.6	21.19	22.10	33.01

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

7.1.5 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	23.40	23.40	23.30
	1	2	23.35	23.39	23.43
	1	5	22.48	22.44	22.45
	3	0	23.16	23.37	23.22
	3	1	23.40	23.45	23.50
	3	3	23.21	23.35	23.25
	6	0	22.41	22.43	22.45
16QAM	1	0	22.10	22.07	22.02
	1	2	22.26	22.35	22.13
	1	5	22.13	22.06	22.03
	3	0	22.03	22.05	22.04
	3	1	22.27	21.96	22.06
	3	3	22.09	22.08	22.03
	6	0	21.14	21.16	21.11
64QAM	1	0	21.17	21.03	20.99
	1	2	21.22	21.17	21.08
	1	5	21.24	21.11	20.88
	3	0	21.17	21.05	20.90
	3	1	21.07	21.07	21.21
	3	3	21.09	21.17	20.99
	6	0	20.18	20.11	20.11
256QAM	1	0	18.09	18.04	17.88
	1	2	18.05	18.09	18.02
	1	5	17.84	17.88	17.61
	3	0	17.99	17.91	17.94
	3	1	18.00	18.03	17.92
	3	3	18.08	18.00	17.88
	6	0	17.92	17.98	18.04

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.41	23.5	23.19	24.28	44.77
16QAM	21.11	22.35	21.89	23.13	44.77
64QAM	20.11	21.24	20.89	22.02	44.77
256QAM	17.61	18.09	18.39	18.87	44.77

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	23.47	23.51	23.46
	1	7	23.31	23.40	23.44
	1	14	22.55	22.58	22.54
	8	0	22.31	22.41	22.35
	8	3	22.55	22.54	22.58
	8	7	22.34	22.39	22.38
	15	0	22.46	22.54	22.52
16QAM	1	0	22.24	22.14	22.08
	1	7	22.35	22.25	22.16
	1	14	22.23	22.14	22.05
	8	0	21.14	21.10	21.01
	8	3	21.27	21.16	21.05
	8	7	21.22	21.20	21.19
	15	0	21.19	21.17	21.20
64QAM	1	0	21.24	21.12	21.15
	1	7	21.32	21.26	21.03
	1	14	21.25	21.20	21.09
	8	0	20.19	20.07	20.01
	8	3	20.16	20.11	20.17
	8	7	20.27	20.21	20.17
	15	0	20.22	20.23	20.16
256QAM	1	0	18.21	18.10	17.90
	1	7	18.22	18.06	18.05
	1	14	17.97	17.83	17.75
	8	0	18.09	18.10	18.04
	8	3	18.08	18.11	18.05
	8	7	18.07	17.97	18.06
	15	0	17.99	18.00	18.05

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.31	23.51	23.09	24.29	44.77
16QAM	21.01	22.35	21.79	23.13	44.77
64QAM	20.01	21.32	20.79	22.10	44.77
256QAM	17.75	18.22	18.53	19.00	44.77

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	23.41	23.43	23.43
	1	12	23.37	23.45	23.44
	1	24	22.52	22.55	22.52
	12	0	22.35	22.38	22.35
	12	6	22.53	22.61	22.62
	12	13	22.35	22.41	22.37
	25	0	22.47	22.51	22.44
16QAM	1	0	22.23	22.19	22.06
	1	12	22.28	22.32	22.19
	1	24	22.20	22.17	22.05
	12	0	21.13	21.12	21.03
	12	6	21.26	21.08	20.99
	12	13	21.22	21.16	21.19
	25	0	21.20	21.23	21.13
64QAM	1	0	21.24	21.18	21.15
	1	12	21.36	21.17	21.07
	1	24	21.32	21.22	21.04
	12	0	20.17	20.07	20.04
	12	6	20.15	20.15	20.12
	12	13	20.26	20.21	20.08
	25	0	20.28	20.27	20.15
256QAM	1	0	18.18	18.11	17.97
	1	12	18.26	18.09	18.11
	1	24	17.98	17.92	17.81
	12	0	18.04	18.01	17.98
	12	6	18.03	18.06	18.03
	12	13	18.15	18.00	18.00
	25	0	18.09	18.06	18.06

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.35	23.45	23.13	24.23	44.77
16QAM	20.99	22.32	21.77	23.10	44.77
64QAM	20.04	21.36	20.82	22.14	44.77
256QAM	17.81	18.26	18.59	19.04	44.77

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	23.51	23.52	23.51
	1	24	23.38	23.48	23.47
	1	49	22.55	22.61	22.59
	25	0	22.36	22.46	22.43
	25	12	22.58	22.64	22.63
	25	25	22.35	22.46	22.39
	50	0	22.49	22.55	22.54
16QAM	1	0	22.30	22.22	22.16
	1	24	22.37	22.35	22.26
	1	49	22.25	22.18	22.10
	25	0	21.19	21.17	21.10
	25	12	21.29	21.17	21.09
	25	25	21.24	21.25	21.26
	50	0	21.26	21.24	21.23
64QAM	1	0	21.27	21.21	21.18
	1	24	21.41	21.27	21.13
	1	49	21.33	21.25	21.11
	25	0	20.25	20.11	20.10
	25	12	20.24	20.21	20.22
	25	25	20.29	20.24	20.17
	50	0	20.32	20.30	20.21
256QAM	1	0	18.24	18.14	18.00
	1	24	18.29	18.15	18.14
	1	49	17.99	17.93	17.81
	25	0	18.14	18.11	18.04
	25	12	18.13	18.11	18.08
	25	25	18.17	18.04	18.08
	50	0	18.09	18.08	18.10

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.35	23.52	23.13	24.30	44.77
16QAM	21.09	22.37	21.87	23.15	44.77
64QAM	20.1	21.41	20.88	22.19	44.77
256QAM	17.81	18.29	18.59	19.07	44.77

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

7.1.6 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	23.28	23.38	23.24
	1	12	23.32	23.31	23.25
	1	24	23.28	23.32	23.32
	12	0	22.42	22.52	22.46
	12	6	22.37	22.44	22.36
	12	13	22.38	22.43	22.36
	25	0	22.62	22.73	22.70
16QAM	1	0	22.10	22.16	22.06
	1	12	22.19	22.25	22.17
	1	24	22.07	22.1	22.02
	12	0	21.01	21.07	21.04
	12	6	21.01	21.05	21.05
	12	13	21.04	21.15	21.09
	25	0	21.15	21.21	21.08
64QAM	1	0	21.10	21.12	21.17
	1	12	21.18	21.22	21.18
	1	24	21.02	21.14	21.15
	12	0	19.98	20.02	19.99
	12	6	20.11	20.05	19.97
	12	13	20.04	20.11	19.98
	25	0	20.07	20.2	20.19
256QAM	1	0	17.96	18.05	17.93
	1	12	18.01	18.09	18.03
	1	24	17.81	17.86	17.72
	12	0	17.91	18.09	17.93
	12	6	18.06	18.02	17.99
	12	13	17.89	17.9	17.87
	25	0	18.03	18.01	17.95

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.36	23.38	22.93	23.95	44.77
16QAM	21.01	22.25	21.58	22.82	44.77
64QAM	19.97	21.22	20.54	21.79	44.77
256QAM	17.72	18.09	18.29	18.66	44.77

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	23.39
	1	24	23.36
	1	49	23.37
	25	0	22.54
	25	12	22.5
	25	25	22.49
	50	0	22.73
16QAM	1	0	22.16
	1	24	22.32
	1	49	22.14
	25	0	21.17
	25	12	21.11
	25	25	21.17
	50	0	21.24
64QAM	1	0	21.2
	1	24	21.27
	1	49	21.18
	25	0	20.11
	25	12	20.14
	25	25	20.14
	50	0	20.22
256QAM	1	0	18.09
	1	24	18.11
	1	49	17.89
	25	0	18.09
	25	12	18.08
	25	25	17.99
	50	0	18.04

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.49	23.39	23.06	23.96	44.77
16QAM	21.11	22.32	21.68	22.89	44.77
64QAM	20.11	21.27	20.68	21.84	44.77
256QAM	17.89	18.11	18.46	18.68	44.77

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

7.1.7 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	22.80	22.82	22.80
	1	12	22.82	22.86	22.79
	1	24	22.78	22.78	22.67
	12	0	21.84	21.84	21.81
	12	6	21.73	21.84	21.89
	12	13	21.79	21.85	21.82
	25	0	21.95	21.89	21.92
16QAM	1	0	21.97	22.04	21.97
	1	12	22.23	22.30	22.19
	1	24	21.95	22.07	22.03
	12	0	20.96	21.08	21.04
	12	6	20.99	21.01	20.93
	12	13	21.04	21.09	21.00
	25	0	21.09	21.18	21.14
64QAM	1	0	21.13	21.13	21.16
	1	12	21.10	21.23	21.14
	1	24	21.05	21.08	21.00
	12	0	19.95	20.03	20.02
	12	6	20.10	20.04	20.01
	12	13	20.02	19.99	20.01
	25	0	20.09	20.12	20.05
256QAM	1	0	17.88	17.90	17.96
	1	12	18.01	18.04	17.99
	1	24	17.78	17.78	17.84
	12	0	18.03	17.96	17.87
	12	6	17.87	17.95	17.84
	12	13	17.79	17.95	17.77
	25	0	17.94	17.95	17.92

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.73	22.86	22.40	23.53	44.77
16QAM	20.93	22.3	21.60	22.97	44.77
64QAM	19.95	21.23	20.62	21.90	44.77
256QAM	17.77	18.04	18.44	18.71	44.77

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	22.90
	1	24	22.88
	1	49	22.83
	25	0	21.91
	25	12	21.91
	25	25	21.94
	50	0	21.98
16QAM	1	0	22.06
	1	24	22.30
	1	49	22.07
	25	0	21.10
	25	12	21.11
	25	25	21.11
	50	0	21.23
64QAM	1	0	21.20
	1	24	21.27
	1	49	21.17
	25	0	20.11
	25	12	20.12
	25	25	20.08
	50	0	20.14
256QAM	1	0	17.99
	1	24	18.05
	1	49	17.86
	25	0	18.05
	25	12	17.99
	25	25	17.95
	50	0	18.01

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.91	22.9	22.58	23.57	44.77
16QAM	21.1	22.3	21.77	22.97	44.77
64QAM	20.08	21.27	20.75	21.94	44.77
256QAM	17.86	18.05	18.53	18.72	44.77

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

7.1.8 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	23.03	23.15	22.96
	1	12	22.99	23.13	22.94
	1	24	22.89	22.95	22.89
	12	0	22.15	22.12	21.96
	12	6	22.14	22.13	22.08
	12	13	22.20	22.18	22.13
	25	0	22.10	22.09	22.06
16QAM	1	0	22.01	22.01	21.89
	1	12	22.25	22.26	22.17
	1	24	21.84	21.89	21.89
	12	0	20.94	20.96	21.03
	12	6	20.95	20.99	20.91
	12	13	21.02	21.04	21.00
	25	0	21.08	21.03	21.08
64QAM	1	0	21.08	21.14	21.10
	1	12	21.09	21.25	21.13
	1	24	20.96	21.04	20.94
	12	0	19.95	20.08	20.03
	12	6	20.01	20.08	19.91
	12	13	20.00	20.06	19.94
	25	0	20.03	20.10	19.95
256QAM	1	0	17.92	17.93	17.82
	1	12	17.89	18.00	17.95
	1	24	17.74	17.78	17.70
	12	0	17.91	18.05	17.77
	12	6	17.76	17.86	17.77
	12	13	17.76	17.83	17.81
	25	0	17.87	17.97	17.86

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.96	23.15	22.74	23.93	44.77
16QAM	20.91	22.26	21.69	23.04	44.77
64QAM	19.91	21.25	20.69	22.03	44.77
256QAM	17.7	18.05	18.48	18.83	44.77

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	23.11	23.19	23.06
	1	24	23.08	23.15	23.03
	1	49	22.97	23.03	22.96
	25	0	22.15	22.16	22.05
	25	12	22.20	22.20	22.14
	25	25	22.21	22.23	22.18
	50	0	22.17	22.18	22.10
16QAM	1	0	22.03	22.05	21.93
	1	24	22.26	22.28	22.19
	1	49	21.93	21.99	21.95
	25	0	20.94	21.00	21.04
	25	12	20.96	21.03	20.92
	25	25	21.05	21.09	21.02
	50	0	21.16	21.13	21.10
64QAM	1	0	21.11	21.15	21.12
	1	24	21.09	21.25	21.19
	1	49	21.03	21.11	21.01
	25	0	19.97	20.11	20.04
	25	12	20.08	20.09	20.01
	25	25	20.05	20.08	20.03
	50	0	20.10	20.11	20.05
256QAM	1	0	17.93	17.93	17.88
	1	24	17.93	18.02	17.99
	1	49	17.78	17.79	17.80
	25	0	17.99	18.05	17.87
	25	12	17.81	17.93	17.80
	25	25	17.84	17.93	17.81
	50	0	17.87	18.01	17.96

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.05	23.19	22.83	23.97	44.77
16QAM	20.92	22.28	21.70	23.06	44.77
64QAM	19.97	21.25	20.75	22.03	44.77
256QAM	17.78	18.05	18.56	18.83	44.77

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

7.1.9 LTE Band 25

LTE Band 25, Channel Bandwidth: 1.4 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26047	CH 26365	CH 26683
			1850.7 MHz	1882.5 MHz	1914.3 MHz
QPSK	1	0	22.56	22.75	22.59
	1	2	22.45	22.59	22.53
	1	5	22.60	22.68	22.52
	3	0	22.60	22.64	22.56
	3	1	22.65	22.72	22.53
	3	3	22.76	22.74	22.61
	6	0	21.54	21.72	21.76
16QAM	1	0	21.59	21.71	21.66
	1	2	21.69	22.06	21.93
	1	5	21.46	21.72	21.77
	3	0	21.02	21.15	21.22
	3	1	20.93	21.23	21.27
	3	3	20.97	21.30	21.36
	6	0	19.82	20.23	20.17
64QAM	1	0	20.04	20.47	20.38
	1	2	20.24	20.40	20.45
	1	5	20.20	20.51	20.36
	3	0	19.84	20.21	20.19
	3	1	20.08	20.44	20.33
	3	3	20.10	20.14	20.18
	6	0	19.18	19.30	19.23
256QAM	1	0	17.23	17.48	17.47
	1	2	16.96	17.33	17.33
	1	5	16.87	17.21	17.16
	3	0	16.95	17.25	17.15
	3	1	16.94	17.27	17.23
	3	3	17.03	17.45	17.28
	6	0	16.98	17.35	17.28

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.54	22.76	24.64	25.86	33.01
16QAM	19.82	22.06	22.92	25.16	33.01
64QAM	19.18	20.51	22.28	23.61	33.01
256QAM	16.87	17.48	19.97	20.58	33.01

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

LTE Band 25, Channel Bandwidth: 3 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26055	CH 26365	CH 26675
			1851.5 MHz	1882.5 MHz	1913.5 MHz
QPSK	1	0	22.58	22.79	22.60
	1	7	22.61	22.76	22.65
	1	14	22.61	22.67	22.67
	8	0	21.55	21.69	21.63
	8	3	21.62	21.71	21.70
	8	7	21.71	21.73	21.74
	15	0	21.72	21.74	21.79
16QAM	1	0	21.56	21.76	21.78
	1	7	21.78	22.08	22.03
	1	14	21.40	21.82	21.79
	8	0	20.12	20.33	20.26
	8	3	20.11	20.32	20.31
	8	7	20.08	20.44	20.44
	15	0	19.98	20.40	20.40
64QAM	1	0	20.20	20.51	20.47
	1	7	20.30	20.55	20.50
	1	14	20.20	20.56	20.37
	8	0	18.94	19.28	19.28
	8	3	19.15	19.40	19.46
	8	7	19.14	19.34	19.34
	15	0	19.13	19.40	19.32
256QAM	1	0	17.34	17.48	17.52
	1	7	17.08	17.40	17.39
	1	14	17.00	17.40	17.31
	8	0	16.96	17.39	17.22
	8	3	17.08	17.26	17.37
	8	7	17.06	17.39	17.45
	15	0	16.97	17.35	17.30

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.55	22.79	24.65	25.89	33.01
16QAM	19.98	22.08	23.08	25.18	33.01
64QAM	18.94	20.56	22.04	23.66	33.01
256QAM	16.96	17.52	20.06	20.62	33.01

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

LTE Band 25, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26065	CH 26365	CH 26665
			1852.5 MHz	1882.5 MHz	1912.5 MHz
QPSK	1	0	22.53	22.76	22.65
	1	12	22.58	22.76	22.65
	1	24	22.67	22.74	22.66
	12	0	21.55	21.61	21.60
	12	6	21.62	21.79	21.68
	12	13	21.76	21.77	21.71
	25	0	21.68	21.80	21.75
16QAM	1	0	21.56	21.74	21.76
	1	12	21.73	22.11	22.06
	1	24	21.46	21.85	21.81
	12	0	20.04	20.26	20.32
	12	6	20.10	20.35	20.33
	12	13	20.05	20.48	20.39
	25	0	20.00	20.36	20.31
64QAM	1	0	20.14	20.47	20.41
	1	12	20.34	20.58	20.59
	1	24	20.18	20.56	20.41
	12	0	18.93	19.24	19.28
	12	6	19.22	19.36	19.39
	12	13	19.08	19.26	19.24
	25	0	19.16	19.45	19.40
256QAM	1	0	17.27	17.49	17.49
	1	12	17.10	17.42	17.38
	1	24	17.01	17.39	17.27
	12	0	16.93	17.30	17.23
	12	6	17.00	17.32	17.35
	12	13	17.06	17.47	17.40
	25	0	17.01	17.33	17.29

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.55	22.76	24.65	25.86	33.01
16QAM	20	22.11	23.1	25.21	33.01
64QAM	18.93	20.59	22.03	23.69	33.01
256QAM	16.93	17.49	20.03	20.59	33.01

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

LTE Band 25, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26090	CH 26365	CH 26640
			1855 MHz	1882.5 MHz	1910 MHz
QPSK	1	0	22.59	22.78	22.63
	1	24	22.59	22.70	22.65
	1	49	22.62	22.70	22.68
	25	0	21.56	21.64	21.69
	25	12	21.62	21.79	21.68
	25	25	21.70	21.75	21.80
	50	0	21.68	21.71	21.73
16QAM	1	0	21.54	21.80	21.71
	1	24	21.73	22.07	22.08
	1	49	21.40	21.79	21.81
	25	0	20.07	20.32	20.32
	25	12	20.06	20.38	20.33
	25	25	20.05	20.44	20.44
	50	0	20.00	20.40	20.31
64QAM	1	0	20.18	20.47	20.43
	1	24	20.31	20.53	20.54
	1	49	20.24	20.52	20.42
	25	0	19.00	19.24	19.35
	25	12	19.17	19.44	19.44
	25	25	19.07	19.27	19.32
	50	0	19.17	19.36	19.39
256QAM	1	0	17.33	17.47	17.46
	1	24	17.16	17.43	17.40
	1	49	16.97	17.36	17.27
	25	0	16.93	17.35	17.24
	25	12	17.03	17.23	17.30
	25	25	17.13	17.43	17.35
	50	0	17.02	17.31	17.28

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.56	22.78	24.66	25.88	33.01
16QAM	20	22.08	23.1	25.18	33.01
64QAM	19	20.54	22.1	23.64	33.01
256QAM	16.93	17.47	20.03	20.57	33.01

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

LTE Band 25, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26115	CH 26365	CH 26615
			1857.5 MHz	1882.5 MHz	1907.5 MHz
QPSK	1	0	22.58	22.82	22.65
	1	37	22.63	22.71	22.68
	1	74	22.66	22.67	22.72
	36	0	21.57	21.61	21.64
	36	19	21.64	21.71	21.63
	36	39	21.72	21.75	21.72
	75	0	21.66	21.77	21.78
16QAM	1	0	21.54	21.76	21.72
	1	37	21.81	22.09	22.05
	1	74	21.41	21.81	21.82
	36	0	20.11	20.25	20.34
	36	19	20.07	20.30	20.35
	36	39	20.11	20.43	20.39
	75	0	20.02	20.30	20.38
64QAM	1	0	20.12	20.47	20.44
	1	37	20.26	20.48	20.60
	1	74	20.24	20.56	20.45
	36	0	18.94	19.29	19.29
	36	19	19.16	19.36	19.43
	36	39	19.11	19.25	19.32
	75	0	19.18	19.35	19.36
256QAM	1	0	17.26	17.49	17.44
	1	37	17.13	17.48	17.40
	1	74	17.06	17.34	17.27
	36	0	16.93	17.31	17.29
	36	19	17.02	17.23	17.31
	36	39	17.06	17.41	17.35
	75	0	17.00	17.38	17.29

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.57	22.82	24.67	25.92	33.01
16QAM	20.02	22.09	23.12	25.19	33.01
64QAM	18.94	20.6	22.04	23.7	33.01
256QAM	16.93	17.49	20.03	20.59	33.01

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

LTE Band 25, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26140	CH 26365	CH 26590
			1860 MHz	1882.5 MHz	1905 MHz
QPSK	1	0	22.61	22.85	22.68
	1	50	22.67	22.77	22.71
	1	99	22.70	22.74	22.73
	50	0	21.65	21.71	21.70
	50	25	21.69	21.79	21.71
	50	50	21.79	21.83	21.80
	100	0	21.75	21.81	21.81
16QAM	1	0	21.63	21.83	21.80
	1	50	21.82	22.14	22.12
	1	99	21.50	21.87	21.84
	50	0	20.12	20.33	20.34
	50	25	20.16	20.39	20.37
	50	50	20.14	20.48	20.45
	100	0	20.05	20.40	20.40
64QAM	1	0	20.20	20.56	20.49
	1	50	20.34	20.58	20.60
	1	99	20.25	20.59	20.46
	50	0	19.00	19.33	19.35
	50	25	19.23	19.46	19.46
	50	50	19.15	19.34	19.34
	100	0	19.20	19.45	19.40
256QAM	1	0	17.34	17.54	17.54
	1	50	17.18	17.50	17.47
	1	99	17.07	17.43	17.37
	50	0	16.99	17.40	17.29
	50	25	17.09	17.32	17.39
	50	50	17.16	17.49	17.45
	100	0	17.07	17.38	17.34

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.65	22.85	24.75	25.95	33.01
16QAM	20.05	22.14	23.15	25.24	33.01
64QAM	19	20.6	22.1	23.7	33.01
256QAM	16.99	17.54	20.09	20.64	33.01

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

7.1.10 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	22.82	22.78	22.83
	1	2	22.73	22.80	22.86
	1	5	22.58	22.69	22.77
	3	0	22.63	22.76	22.77
	3	1	22.76	22.85	22.87
	3	3	22.73	22.79	22.87
	6	0	21.66	21.86	21.78
16QAM	1	0	21.64	21.96	21.95
	1	2	21.95	22.04	22.15
	1	5	21.72	21.79	21.79
	3	0	21.66	21.95	21.80
	3	1	21.61	21.74	21.87
	3	3	21.78	21.82	21.98
	6	0	20.78	20.94	21.05
64QAM	1	0	20.92	20.82	21.02
	1	2	20.87	21.05	21.09
	1	5	20.75	20.96	21.06
	3	0	20.79	20.85	21.00
	3	1	20.84	20.95	21.02
	3	3	20.70	20.84	20.91
	6	0	19.77	19.91	19.93
256QAM	1	0	17.66	17.75	17.82
	1	2	17.79	17.75	17.72
	1	5	17.44	17.55	17.69
	3	0	17.70	17.79	17.89
	3	1	17.58	17.69	17.70
	3	3	17.61	17.61	17.82
	6	0	17.75	17.88	17.88

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.66	22.87	22.39	23.60	50
16QAM	20.78	22.15	21.51	22.88	50
64QAM	19.77	21.09	20.50	21.82	50
256QAM	17.44	17.89	18.17	18.62	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	22.89	22.91	22.86
	1	7	22.75	22.83	22.93
	1	14	22.68	22.77	22.83
	8	0	21.69	21.89	21.88
	8	3	21.81	21.92	21.89
	8	7	21.82	21.98	21.98
	15	0	21.76	21.86	21.87
16QAM	1	0	21.75	21.95	22.04
	1	7	22.03	22.23	22.18
	1	14	21.70	21.97	21.87
	8	0	20.80	20.93	20.93
	8	3	20.79	20.89	20.85
	8	7	20.87	20.99	20.96
	15	0	20.92	21.00	21.06
64QAM	1	0	20.88	20.97	21.02
	1	7	21.04	21.15	21.15
	1	14	20.89	21.04	21.07
	8	0	19.86	20.00	20.02
	8	3	19.82	19.99	19.95
	8	7	19.84	19.95	19.90
	15	0	19.87	20.04	19.99
256QAM	1	0	17.63	17.91	17.87
	1	7	17.82	17.90	17.90
	1	14	17.49	17.72	17.69
	8	0	17.82	17.98	17.92
	8	3	17.70	17.80	17.81
	8	7	17.64	17.80	17.82
	15	0	17.75	17.95	17.89

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.69	22.93	22.42	23.66	50
16QAM	20.79	22.23	21.52	22.96	50
64QAM	19.82	21.15	20.55	21.88	50
256QAM	17.49	17.98	18.22	18.71	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	22.88	22.90	22.84
	1	12	22.71	22.88	22.83
	1	24	22.66	22.84	22.80
	12	0	21.64	21.84	21.79
	12	6	21.76	21.96	21.92
	12	13	21.81	21.94	22.02
	25	0	21.71	21.87	21.91
16QAM	1	0	21.83	21.97	22.05
	1	12	21.98	22.20	22.23
	1	24	21.78	21.94	21.92
	12	0	20.78	20.90	20.87
	12	6	20.77	20.89	20.92
	12	13	20.84	20.94	20.95
	25	0	20.83	21.06	21.05
64QAM	1	0	20.85	21.02	20.97
	1	12	21.01	21.17	21.13
	1	24	20.86	21.07	21.00
	12	0	19.90	20.01	20.03
	12	6	19.86	20.01	19.97
	12	13	19.80	19.96	19.91
	25	0	19.82	20.06	20.06
256QAM	1	0	17.70	17.92	17.86
	1	12	17.73	17.85	17.86
	1	24	17.52	17.67	17.69
	12	0	17.80	18.02	17.96
	12	6	17.64	17.82	17.76
	12	13	17.66	17.79	17.81
	25	0	17.81	17.86	17.95

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.64	22.90	22.37	23.63	50
16QAM	20.77	22.23	21.50	22.96	50
64QAM	19.8	21.17	20.53	21.90	50
256QAM	17.52	18.02	18.25	18.75	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	22.94
	1	24	22.75
	1	49	22.68
	25	0	21.74
	25	12	21.82
	25	25	21.79
	50	0	21.77
16QAM	1	0	21.76
	1	24	21.99
	1	49	21.76
	25	0	20.78
	25	12	20.82
	25	25	20.85
	50	0	20.83
64QAM	1	0	20.87
	1	24	20.96
	1	49	20.81
	25	0	19.88
	25	12	19.81
	25	25	19.84
	50	0	19.84
256QAM	1	0	17.63
	1	24	17.75
	1	49	17.53
	25	0	17.81
	25	12	17.66
	25	25	17.69
	50	0	17.77

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.74	22.94	22.47	23.67	50
16QAM	20.78	21.99	21.51	22.72	50
64QAM	19.81	20.96	20.54	21.69	50
256QAM	17.53	17.81	18.26	18.54	50

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

7.1.11 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	22.66	22.64	22.85
	1	2	22.72	22.79	22.70
	1	5	22.62	22.61	22.66
	3	0	22.01	22.04	22.69
	3	1	22.24	22.19	22.79
	3	3	22.25	22.22	22.80
	6	0	21.66	21.64	21.85
16QAM	1	0	21.78	21.77	21.94
	1	2	22.00	21.96	22.13
	1	5	21.60	21.59	21.86
	3	0	21.73	21.72	21.88
	3	1	21.69	21.70	21.81
	3	3	21.89	21.91	21.96
	6	0	20.85	20.78	20.84
64QAM	1	0	20.95	20.89	20.97
	1	2	21.06	21.06	21.18
	1	5	20.78	20.71	20.96
	3	0	20.75	20.78	20.84
	3	1	20.86	20.82	20.87
	3	3	20.88	20.87	20.79
	6	0	19.71	19.74	19.79
256QAM	1	0	17.80	17.80	17.69
	1	2	17.71	17.72	17.61
	1	5	17.48	17.42	17.50
	3	0	17.72	17.75	17.82
	3	1	17.62	17.62	17.56
	3	3	17.61	17.65	17.77
	6	0	17.79	17.70	17.78

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.64	22.85	22.37	23.58	38.45
16QAM	20.78	22.13	21.51	22.86	38.45
64QAM	19.71	21.18	20.44	21.91	38.45
256QAM	17.42	17.82	18.15	18.55	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	22.78	22.70	22.85
	1	7	22.84	22.80	22.89
	1	14	22.76	22.66	22.78
	8	0	21.84	21.61	21.82
	8	3	21.71	21.79	21.84
	8	7	21.89	21.80	21.92
	15	0	21.76	21.68	21.82
16QAM	1	0	21.90	21.83	21.96
	1	7	22.14	22.02	22.20
	1	14	21.76	21.62	21.82
	8	0	20.82	20.82	20.91
	8	3	20.78	20.74	20.88
	8	7	20.98	20.93	20.90
	15	0	20.86	20.88	20.94
64QAM	1	0	20.81	20.96	20.90
	1	7	21.19	21.10	21.22
	1	14	21.01	20.81	21.07
	8	0	19.93	19.81	19.95
	8	3	19.94	19.92	19.93
	8	7	19.80	19.88	19.90
	15	0	19.92	19.81	19.89
256QAM	1	0	17.89	17.82	17.91
	1	7	17.81	17.80	17.84
	1	14	17.66	17.48	17.63
	8	0	17.74	17.77	17.84
	8	3	17.69	17.70	17.76
	8	7	17.78	17.71	17.77
	15	0	17.81	17.79	17.90

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.61	22.89	22.34	23.62	38.45
16QAM	20.74	22.2	21.47	22.93	38.45
64QAM	19.8	21.22	20.53	21.95	38.45
256QAM	17.48	17.91	18.21	18.64	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	22.81	22.71	22.89
	1	12	22.78	22.80	22.81
	1	24	22.74	22.68	22.77
	12	0	21.74	21.69	21.77
	12	6	21.79	21.82	21.85
	12	13	21.90	21.88	21.86
	25	0	21.78	21.74	21.86
16QAM	1	0	21.82	21.90	21.98
	1	12	22.10	22.07	22.16
	1	24	21.76	21.70	21.81
	12	0	20.77	20.89	20.88
	12	6	20.70	20.80	20.83
	12	13	20.92	20.98	20.91
	25	0	20.85	20.96	21.00
64QAM	1	0	20.87	21.01	20.92
	1	12	21.16	21.11	21.18
	1	24	20.88	20.87	21.07
	12	0	19.94	19.81	19.94
	12	6	19.95	19.97	19.93
	12	13	19.87	19.94	19.89
	25	0	19.85	19.85	19.94
256QAM	1	0	17.83	17.84	17.88
	1	12	17.75	17.83	17.83
	1	24	17.67	17.56	17.66
	12	0	17.89	17.83	17.91
	12	6	17.70	17.71	17.74
	12	13	17.75	17.72	17.80
	25	0	17.81	17.80	17.94

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.69	22.89	22.42	23.62	38.45
16QAM	20.7	22.16	21.43	22.89	38.45
64QAM	19.81	21.18	20.54	21.91	38.45
256QAM	17.56	17.94	18.29	18.67	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	22.88	22.80	22.86
	1	24	22.90	22.84	22.89
	1	49	22.71	22.74	22.78
	25	0	21.81	21.77	21.76
	25	12	21.79	21.86	21.81
	25	25	21.91	21.88	21.87
	50	0	21.91	21.83	21.89
16QAM	1	0	21.87	21.97	21.91
	1	24	22.23	22.17	22.16
	1	49	21.89	21.79	21.82
	25	0	20.84	20.91	20.85
	25	12	20.85	20.84	20.86
	25	25	20.92	21.00	20.97
	50	0	21.01	20.96	20.92
64QAM	1	0	20.92	21.05	20.95
	1	24	21.18	21.11	21.17
	1	49	21.01	20.91	21.02
	25	0	19.93	19.86	19.96
	25	12	19.87	19.99	20.03
	25	25	19.91	19.95	19.89
	50	0	19.97	19.92	19.97
256QAM	1	0	17.78	17.85	17.86
	1	24	17.76	17.88	17.77
	1	49	17.58	17.61	17.61
	25	0	17.92	17.86	17.85
	25	12	17.77	17.74	17.69
	25	25	17.81	17.79	17.77
	50	0	17.80	17.88	17.87

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.76	22.9	22.49	23.63	38.45
16QAM	20.84	22.23	21.57	22.96	38.45
64QAM	19.86	21.18	20.59	21.91	38.45
256QAM	17.58	17.92	18.31	18.65	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	22.96	22.89	22.94
	1	37	22.93	22.90	22.91
	1	74	22.85	22.82	22.82
	36	0	21.89	21.85	21.86
	36	19	21.97	21.90	21.88
	36	39	22.02	21.95	21.94
	75	0	21.93	21.84	21.91
16QAM	1	0	22.05	21.99	22.00
	1	37	22.26	22.19	22.20
	1	74	21.97	21.87	21.88
	36	0	20.97	20.94	20.94
	36	19	20.94	20.88	20.88
	36	39	21.03	21.00	21.00
	75	0	21.08	21.05	21.01
64QAM	1	0	21.07	21.07	20.98
	1	37	21.23	21.20	21.22
	1	74	21.10	21.00	21.07
	36	0	20.04	19.95	19.97
	36	19	20.05	19.99	20.03
	36	39	19.98	19.95	19.94
	75	0	20.06	20.00	19.98
256QAM	1	0	17.93	17.89	17.92
	1	37	17.93	17.91	17.85
	1	74	17.72	17.65	17.71
	36	0	18.02	17.93	17.94
	36	19	17.84	17.77	17.76
	36	39	17.83	17.80	17.81
	75	0	17.95	17.91	17.94

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.84	22.96	22.57	23.69	38.45
16QAM	20.88	22.26	21.61	22.99	38.45
64QAM	19.94	21.23	20.67	21.96	38.45
256QAM	17.65	18.02	18.38	18.75	38.45

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

7.1.12 LTE Band 30

LTE Band 30, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 27685	CH 27710	CH 27735
			2307.5 MHz	2310 MHz	2312.5 MHz
QPSK	1	0	18.32	18.23	18.24
	1	12	18.14	18.15	18.15
	1	24	18.04	18.11	18.10
	12	0	18.21	18.24	18.21
	12	6	18.15	18.25	18.17
	12	13	18.19	18.25	18.19
	25	0	18.19	18.21	18.22
16QAM	1	0	18.29	18.29	18.25
	1	12	18.29	18.25	18.20
	1	24	18.06	18.13	18.06
	12	0	18.15	18.14	18.11
	12	6	18.10	18.13	18.14
	12	13	18.17	18.09	18.09
	25	0	18.16	18.16	18.16
64QAM	1	0	18.26	18.25	18.31
	1	12	18.09	18.11	18.08
	1	24	18.27	18.23	18.26
	12	0	18.32	18.23	18.26
	12	6	18.15	18.23	18.15
	12	13	18.18	18.12	18.14
	25	0	18.18	18.20	18.17
256QAM	1	0	17.73	17.75	17.73
	1	12	17.85	17.84	17.84
	1	24	17.58	17.55	17.59
	12	0	17.70	17.67	17.75
	12	6	17.65	17.59	17.57
	12	13	17.66	17.65	17.62
	25	0	17.68	17.60	17.68

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	18.04	18.32	22.66	22.94	23.98
16QAM	18.06	18.29	22.68	22.91	23.98
64QAM	18.08	18.32	22.70	22.94	23.98
256QAM	17.55	17.85	22.17	22.47	23.98

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

LTE Band 30, Channel Bandwidth: 10 MHz, Output Power: Full Power

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 27710
			2310 MHz
QPSK	1	0	18.33
	1	24	18.21
	1	49	18.14
	25	0	18.31
	25	12	18.25
	25	25	18.28
	50	0	18.24
16QAM	1	0	18.29
	1	24	18.29
	1	49	18.14
	25	0	18.17
	25	12	18.20
	25	25	18.18
	50	0	18.23
64QAM	1	0	18.32
	1	24	18.14
	1	49	18.32
	25	0	18.32
	25	12	18.23
	25	25	18.19
	50	0	18.21
256QAM	1	0	17.83
	1	24	17.89
	1	49	17.65
	25	0	17.77
	25	12	17.67
	25	25	17.69
	50	0	17.68

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	18.14	18.33	22.76	22.95	23.98
16QAM	18.14	18.29	22.76	22.91	23.98
64QAM	18.14	18.32	22.76	22.94	23.98
256QAM	17.65	17.89	22.27	22.51	23.98

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

LTE Band 30, Channel Bandwidth: 10 MHz, Output Power: dBm/5 MHz

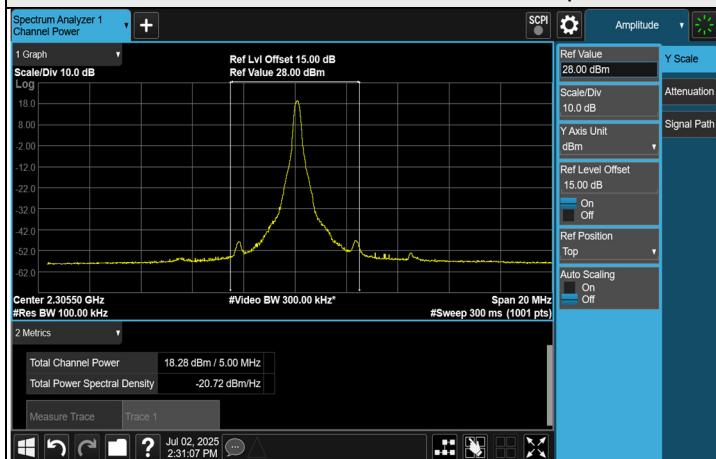
Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 27710
			2310 MHz
QPSK	1	0	18.28
	1	24	18.17
	1	49	18.11
	25	0	18.27
	25	12	18.2
	25	25	18.23
	50	0	15.85
16QAM	1	0	18.24
	1	24	18.26
	1	49	18.11
	25	0	18.13
	25	12	18.15
	25	25	18.14
	50	0	15.8
64QAM	1	0	18.27
	1	24	18.11
	1	49	18.29
	25	0	18.27
	25	12	18.19
	25	25	18.14
	50	0	15.89
256QAM	1	0	17.78
	1	24	17.85
	1	49	17.62
	25	0	17.74
	25	12	17.62
	25	25	17.65
	50	0	15.27

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	15.85	18.28	20.47	22.90	23.98
16QAM	15.8	18.26	20.42	22.88	23.98
64QAM	15.89	18.29	20.51	22.91	23.98
256QAM	15.27	17.85	19.89	22.47	23.98

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

Spectrum Plot of Worst Value



QPSK CH 27710 (2310 MHz)

Note: For the channel bandwidth is less than or equal to 5 MHz, the full power test data please refer to the power per 5 MHz corresponding to the channel bandwidth.

7.1.13 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	25.33	25.67	25.82
	1	12	25.46	25.71	25.79
	1	24	24.80	24.98	25.10
	12	0	24.39	24.72	24.87
	12	6	24.44	24.73	24.82
	12	13	24.31	24.56	24.71
	25	0	24.45	24.68	24.83
16QAM	1	0	24.13	24.45	24.53
	1	12	24.12	24.35	24.43
	1	24	23.98	24.12	24.28
	12	0	22.99	23.22	23.32
	12	6	22.79	22.95	23.08
	12	13	22.71	23.00	23.10
	25	0	22.74	22.96	22.99
64QAM	1	0	23.90	23.90	24.07
	1	12	23.09	23.24	23.34
	1	24	23.16	23.46	23.50
	12	0	22.07	22.31	22.43
	12	6	22.02	22.12	22.16
	12	13	22.16	22.13	22.33
	25	0	21.91	21.98	22.12
256QAM	1	0	19.94	19.99	20.22
	1	12	19.70	19.96	20.08
	1	24	19.95	20.14	20.12
	12	0	19.44	19.70	19.80
	12	6	19.83	20.06	20.17
	12	13	19.67	19.97	20.01
	25	0	19.67	19.86	19.96

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	24.31	25.82	28.91	30.42	33.01
16QAM	22.71	24.53	27.31	29.13	33.01
64QAM	21.91	24.07	26.51	28.67	33.01
256QAM	19.44	20.22	24.04	24.82	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	25.37	25.66	25.72
	1	24	25.42	25.65	25.69
	1	49	24.88	25.00	25.04
	25	0	24.37	24.76	24.80
	25	12	24.50	24.72	24.81
	25	25	24.32	24.54	24.75
	50	0	24.47	24.67	24.80
16QAM	1	0	24.14	24.48	24.51
	1	24	24.09	24.39	24.40
	1	49	24.00	24.12	24.32
	25	0	23.02	23.21	23.35
	25	12	22.82	22.90	23.15
	25	25	22.70	22.96	23.07
	50	0	22.75	22.91	22.99
64QAM	1	0	23.83	23.97	24.10
	1	24	23.10	23.23	23.34
	1	49	23.22	23.42	23.47
	25	0	22.03	22.22	22.45
	25	12	22.01	22.07	22.13
	25	25	22.10	22.14	22.29
	50	0	21.88	21.99	22.11
256QAM	1	0	19.95	20.08	20.19
	1	24	19.68	19.92	20.10
	1	49	19.90	20.11	20.13
	25	0	19.47	19.77	19.81
	25	12	19.80	20.08	20.14
	25	25	19.62	19.94	20.07
	50	0	19.65	19.84	20.02

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	24.32	25.72	28.92	30.32	33.01
16QAM	22.7	24.51	27.30	29.11	33.01
64QAM	21.88	24.1	26.48	28.70	33.01
256QAM	19.47	20.19	24.07	24.79	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	25.35	25.65	25.73
	1	37	25.38	25.68	25.79
	1	74	24.82	24.96	25.05
	36	0	24.47	24.76	24.81
	36	19	24.47	24.73	24.85
	36	39	24.38	24.54	24.72
	75	0	24.48	24.70	24.81
16QAM	1	0	24.19	24.39	24.51
	1	37	24.15	24.36	24.39
	1	74	24.00	24.10	24.23
	36	0	22.97	23.27	23.33
	36	19	22.77	22.92	23.12
	36	39	22.73	22.96	23.09
	75	0	22.71	22.96	23.00
64QAM	1	0	23.92	23.94	24.12
	1	37	23.02	23.26	23.30
	1	74	23.18	23.45	23.49
	36	0	22.08	22.28	22.45
	36	19	22.05	22.10	22.18
	36	39	22.08	22.17	22.33
	75	0	21.87	21.95	22.13
256QAM	1	0	19.90	20.01	20.16
	1	37	19.75	19.93	20.07
	1	74	19.95	20.17	20.11
	36	0	19.49	19.69	19.88
	36	19	19.80	20.13	20.17
	36	39	19.72	20.04	20.01
	75	0	19.64	19.88	19.98

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	24.38	25.79	28.98	30.39	33.01
16QAM	22.71	24.51	27.31	29.11	33.01
64QAM	21.87	24.12	26.47	28.72	33.01
256QAM	19.49	20.17	24.09	24.77	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	25.43	25.69	25.82
	1	50	25.48	25.72	25.79
	1	99	24.88	25.04	25.12
	50	0	24.47	24.81	24.90
	50	25	24.53	24.79	24.88
	50	50	24.41	24.62	24.79
	100	0	24.54	24.74	24.87
16QAM	1	0	24.21	24.48	24.58
	1	50	24.17	24.39	24.43
	1	99	24.03	24.19	24.33
	50	0	23.06	23.28	23.41
	50	25	22.82	23.00	23.17
	50	50	22.77	23.03	23.12
	100	0	22.78	22.99	23.08
64QAM	1	0	23.92	24.00	24.15
	1	50	23.11	23.26	23.36
	1	99	23.22	23.46	23.57
	50	0	22.11	22.32	22.45
	50	25	22.05	22.17	22.23
	50	50	22.16	22.19	22.35
	100	0	21.91	22.04	22.17
256QAM	1	0	19.98	20.09	20.24
	1	50	19.77	19.98	20.16
	1	99	19.97	20.17	20.21
	50	0	19.51	19.78	19.89
	50	25	19.85	20.14	20.17
	50	50	19.72	20.04	20.11
	100	0	19.71	19.94	20.03

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	24.41	25.82	29.01	30.42	33.01
16QAM	22.77	24.58	27.37	29.18	33.01
64QAM	21.91	24.15	26.51	28.75	33.01
256QAM	19.51	20.24	24.11	24.84	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	23.02	22.98	23.25
	1	12	23.18	23.09	23.18
	1	24	23.05	22.98	23.10
	12	0	22.31	22.35	22.41
	12	6	22.29	22.22	22.38
	12	13	22.30	22.29	22.32
	25	0	22.27	22.26	22.39
16QAM	1	0	22.30	22.30	22.27
	1	12	22.10	22.12	22.08
	1	24	21.98	21.86	22.04
	12	0	21.01	21.00	21.09
	12	6	20.91	20.80	20.87
	12	13	20.80	20.66	20.78
	25	0	20.82	20.71	20.77
64QAM	1	0	21.76	21.70	21.89
	1	12	20.90	20.90	21.03
	1	24	21.20	21.23	21.32
	12	0	20.13	20.12	20.14
	12	6	19.97	19.88	19.97
	12	13	20.04	19.93	20.07
	25	0	19.87	19.77	19.96
256QAM	1	0	17.78	17.72	17.90
	1	12	17.90	17.75	17.87
	1	24	17.89	17.75	17.95
	12	0	17.53	17.45	17.53
	12	6	17.73	17.76	17.82
	12	13	17.75	17.75	17.78
	25	0	17.64	17.64	17.78

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	22.22	23.25	26.82	27.85	33.01
16QAM	20.66	22.3	25.26	26.90	33.01
64QAM	19.77	21.89	24.37	26.49	33.01
256QAM	17.45	17.95	22.05	22.55	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	23.03	22.96	23.32
	1	24	23.14	23.13	23.25
	1	49	23.02	23.02	23.15
	25	0	22.28	22.30	22.37
	25	12	22.33	22.22	22.38
	25	25	22.22	22.19	22.31
	50	0	22.28	22.22	22.32
16QAM	1	0	22.34	22.28	22.28
	1	24	22.11	22.05	22.09
	1	49	21.91	21.86	22.05
	25	0	21.00	21.00	21.05
	25	12	20.92	20.82	20.88
	25	25	20.78	20.72	20.77
	50	0	20.73	20.70	20.77
64QAM	1	0	21.82	21.80	21.90
	1	24	20.99	20.89	21.09
	1	49	21.14	21.18	21.23
	25	0	20.10	20.14	20.11
	25	12	19.92	19.93	19.94
	25	25	19.96	19.95	20.07
	50	0	19.85	19.83	19.87
256QAM	1	0	17.80	17.81	17.95
	1	24	17.83	17.79	17.92
	1	49	17.92	17.79	17.93
	25	0	17.54	17.46	17.55
	25	12	17.78	17.74	17.85
	25	25	17.82	17.67	17.83
	50	0	17.62	17.59	17.79

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	22.19	23.32	26.79	27.92	33.01
16QAM	20.7	22.34	25.30	26.94	33.01
64QAM	19.83	21.9	24.43	26.50	33.01
256QAM	17.46	17.95	22.06	22.55	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	23.05	23.02	23.25
	1	37	23.17	23.07	23.23
	1	74	23.02	23.05	23.07
	36	0	22.35	22.35	22.42
	36	19	22.29	22.19	22.33
	36	39	22.28	22.26	22.36
	75	0	22.31	22.20	22.39
16QAM	1	0	22.35	22.30	22.31
	1	37	22.16	22.07	22.08
	1	74	21.96	21.84	22.07
	36	0	21.07	20.99	21.06
	36	19	20.86	20.81	20.92
	36	39	20.73	20.69	20.79
	75	0	20.75	20.70	20.79
64QAM	1	0	21.74	21.73	21.91
	1	37	20.94	20.85	21.09
	1	74	21.21	21.16	21.28
	36	0	20.09	20.14	20.12
	36	19	19.93	19.94	19.94
	36	39	20.01	19.94	20.05
	75	0	19.85	19.73	19.91
256QAM	1	0	17.78	17.78	17.91
	1	37	17.85	17.78	17.90
	1	74	17.95	17.80	17.95
	36	0	17.54	17.45	17.56
	36	19	17.76	17.79	17.79
	36	39	17.83	17.71	17.75
	75	0	17.64	17.56	17.75

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	22.19	23.25	26.79	27.85	33.01
16QAM	20.69	22.35	25.29	26.95	33.01
64QAM	19.73	21.91	24.33	26.51	33.01
256QAM	17.45	17.95	22.05	22.55	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	23.06	23.04	23.35
	1	50	23.23	23.13	23.25
	1	99	23.09	23.05	23.16
	50	0	22.37	22.36	22.43
	50	25	22.34	22.24	22.40
	50	50	22.32	22.29	22.37
	100	0	22.33	22.29	22.41
16QAM	1	0	22.35	22.33	22.37
	1	50	22.16	22.14	22.18
	1	99	22.00	21.93	22.09
	50	0	21.10	21.02	21.14
	50	25	20.95	20.88	20.97
	50	50	20.82	20.73	20.86
	100	0	20.82	20.79	20.84
64QAM	1	0	21.83	21.80	21.93
	1	50	20.99	20.90	21.09
	1	99	21.24	21.24	21.32
	50	0	20.17	20.16	20.19
	50	25	19.99	19.95	20.00
	50	50	20.05	20.02	20.08
	100	0	19.93	19.83	19.97
256QAM	1	0	17.88	17.81	17.98
	1	50	17.92	17.85	17.94
	1	99	17.95	17.85	17.98
	50	0	17.54	17.50	17.59
	50	25	17.81	17.80	17.88
	50	50	17.83	17.76	17.83
	100	0	17.71	17.65	17.80

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	22.24	23.35	26.84	27.95	33.01
16QAM	20.73	22.37	25.33	26.97	33.01
64QAM	19.83	21.93	24.43	26.53	33.01
256QAM	17.5	17.98	22.10	22.58	33.01

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

7.1.14 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	16.29	15.94	15.92
	1	12	16.21	16.02	16.03
	1	24	16.05	15.83	15.85
	12	0	16.09	15.87	15.88
	12	6	16.11	15.98	16.01
	12	13	16.14	15.97	15.94
	25	0	16.17	16.10	16.13
16QAM	1	0	16.01	15.92	15.86
	1	12	16.17	16.07	15.98
	1	24	16.00	15.84	15.77
	12	0	16.18	16.04	16.03
	12	6	16.11	16.01	16.05
	12	13	16.17	16.04	16.09
	25	0	16.13	15.89	16.00
64QAM	1	0	16.13	15.95	15.99
	1	12	16.23	16.11	16.11
	1	24	16.12	16.03	15.98
	12	0	16.20	16.12	16.07
	12	6	16.28	16.06	16.02
	12	13	16.22	16.10	16.00
	25	0	16.22	16.14	16.11
256QAM	1	0	15.53	15.30	15.41
	1	12	15.71	15.49	15.54
	1	24	15.85	15.69	15.76
	12	0	15.70	15.49	15.56
	12	6	15.77	15.63	15.53
	12	13	15.67	15.54	15.50
	25	0	15.68	15.54	15.62

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	15.83	16.29	20.16	20.62	30
16QAM	15.77	16.18	20.10	20.51	30
64QAM	15.95	16.28	20.28	20.61	30
256QAM	15.3	15.85	19.63	20.18	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	16.33	16.02	15.94
	1	24	16.17	15.99	15.97
	1	49	15.95	15.83	15.89
	25	0	16.12	15.87	15.83
	25	12	16.05	16.01	15.99
	25	25	16.14	15.97	15.98
	50	0	16.11	16.11	16.06
16QAM	1	0	16.05	15.85	15.81
	1	24	16.13	16.04	16.01
	1	49	16.03	15.80	15.81
	25	0	16.14	16.07	16.13
	25	12	16.12	16.03	15.99
	25	25	16.14	15.99	16.06
	50	0	16.09	16.08	16.05
64QAM	1	0	16.22	15.99	15.98
	1	24	16.21	16.10	16.11
	1	49	16.11	16.03	16.05
	25	0	16.14	16.15	16.02
	25	12	16.26	16.06	16.07
	25	25	16.29	16.06	15.96
	50	0	16.21	16.13	16.16
256QAM	1	0	15.52	15.29	15.29
	1	24	15.67	15.51	15.54
	1	49	15.85	15.61	15.69
	25	0	15.63	15.56	15.60
	25	12	15.75	15.62	15.53
	25	25	15.65	15.57	15.56
	50	0	15.68	15.64	15.62

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	15.83	16.33	20.16	20.66	30
16QAM	15.8	16.14	20.13	20.47	30
64QAM	15.96	16.29	20.29	20.62	30
256QAM	15.29	15.85	19.62	20.18	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	16.32	15.92	15.90
	1	37	16.13	16.03	15.98
	1	74	16.00	15.85	15.82
	36	0	16.08	15.90	15.90
	36	19	16.06	16.10	15.98
	36	39	16.21	15.92	15.95
	75	0	16.10	16.09	16.06
16QAM	1	0	16.05	15.93	15.89
	1	37	16.18	15.97	16.04
	1	74	16.02	15.84	15.82
	36	0	16.19	16.08	16.06
	36	19	16.11	16.01	16.10
	36	39	16.14	16.03	16.03
	75	0	16.06	16.01	16.05
64QAM	1	0	16.21	15.96	15.98
	1	37	16.25	16.09	16.06
	1	74	16.20	15.95	16.01
	36	0	16.18	16.11	16.05
	36	19	16.23	16.00	16.07
	36	39	16.24	16.03	15.99
	75	0	16.23	16.17	16.09
256QAM	1	0	15.54	15.31	15.35
	1	37	15.71	15.54	15.52
	1	74	15.83	15.68	15.72
	36	0	15.69	15.56	15.60
	36	19	15.70	15.64	15.63
	36	39	15.65	15.53	15.54
	75	0	15.77	15.64	15.55

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	15.82	16.32	20.15	20.65	30
16QAM	15.82	16.19	20.15	20.52	30
64QAM	15.95	16.25	20.28	20.58	30
256QAM	15.31	15.83	19.64	20.16	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	16.34	16.06	16.02
	1	50	16.21	16.05	16.01
	1	99	16.05	15.89	15.88
	50	0	16.12	15.86	15.79
	50	25	16.11	16.04	15.93
	50	50	16.23	15.99	15.92
	100	0	16.20	16.13	16.11
16QAM	1	0	16.06	15.96	15.86
	1	50	16.18	16.07	16.06
	1	99	16.09	15.90	15.87
	50	0	16.20	16.06	16.03
	50	25	16.19	16.01	15.98
	50	50	16.17	16.09	16.02
	100	0	16.14	16.01	16.07
64QAM	1	0	16.22	15.99	15.99
	1	50	16.28	16.09	16.13
	1	99	16.21	16.03	16.00
	50	0	16.22	16.13	16.13
	50	25	16.33	16.12	16.06
	50	50	16.32	16.04	16.05
	100	0	16.27	16.20	16.21
256QAM	1	0	15.56	15.39	15.33
	1	50	15.72	15.51	15.58
	1	99	15.90	15.74	15.64
	50	0	15.71	15.56	15.48
	50	25	15.80	15.68	15.63
	50	50	15.73	15.62	15.47
	100	0	15.77	15.69	15.61

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	15.79	16.34	20.12	20.67	30
16QAM	15.86	16.2	20.19	20.53	30
64QAM	15.99	16.33	20.32	20.66	30
256QAM	15.33	15.9	19.66	20.23	30

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

7.1.15 LTE Band 43 (3.7 GHz ~ 3.8 GHz)

LTE Band 43 (3.7 GHz ~ 3.8 GHz), Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 44615	CH 45090	CH 45565
			3702.5 MHz	3750 MHz	3797.5 MHz
QPSK	1	0	15.85	15.92	16.39
	1	12	15.93	15.76	16.07
	1	24	15.55	15.55	15.95
	12	0	15.81	15.45	15.96
	12	6	15.71	15.77	16.00
	12	13	15.94	15.77	16.14
	25	0	15.81	15.81	16.05
16QAM	1	0	15.86	15.70	15.95
	1	12	15.66	15.86	16.11
	1	24	15.77	15.46	16.03
	12	0	15.91	15.75	16.11
	12	6	15.79	15.78	16.12
	12	13	15.93	15.83	16.06
	25	0	15.69	15.65	16.05
64QAM	1	0	16.02	15.88	16.05
	1	12	15.73	15.79	16.10
	1	24	15.87	15.62	16.10
	12	0	15.96	15.89	16.09
	12	6	15.73	15.86	16.21
	12	13	15.76	15.92	16.20
	25	0	16.01	15.99	16.21
256QAM	1	0	15.17	15.19	15.52
	1	12	15.54	15.16	15.58
	1	24	15.27	15.34	15.81
	12	0	15.48	15.30	15.60
	12	6	15.43	15.28	15.71
	12	13	15.41	15.31	15.56
	25	0	15.41	15.37	15.71

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	15.45	16.39	19.83	20.77	30
16QAM	15.46	16.12	19.84	20.50	30
64QAM	15.62	16.21	20.00	20.59	30
256QAM	15.16	15.81	19.54	20.19	30

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

LTE Band 43 (3.7 GHz ~ 3.8 GHz), Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 44640	CH 45090	CH 45540
			3705 MHz	3750 MHz	3795 MHz
QPSK	1	0	15.92	15.96	16.40
	1	24	16.07	15.87	16.07
	1	49	15.68	15.58	16.00
	25	0	15.85	15.58	16.02
	25	12	15.79	15.85	16.04
	25	25	15.99	15.78	16.10
	50	0	15.91	15.93	16.06
16QAM	1	0	15.86	15.74	15.96
	1	24	15.77	15.87	16.09
	1	49	15.78	15.61	16.03
	25	0	15.99	15.82	16.01
	25	12	15.89	15.86	16.11
	25	25	15.98	15.89	16.02
	50	0	15.77	15.74	15.97
64QAM	1	0	16.04	15.90	16.11
	1	24	15.82	15.86	16.20
	1	49	15.95	15.77	16.18
	25	0	16.02	15.96	16.03
	25	12	15.88	15.87	16.24
	25	25	15.87	15.92	16.18
	50	0	16.04	16.02	16.21
256QAM	1	0	15.25	15.20	15.48
	1	24	15.62	15.29	15.68
	1	49	15.41	15.47	15.72
	25	0	15.56	15.35	15.58
	25	12	15.53	15.38	15.66
	25	25	15.45	15.40	15.63
	50	0	15.50	15.44	15.69

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	15.58	16.4	19.96	20.78	30
16QAM	15.61	16.11	19.99	20.49	30
64QAM	15.77	16.24	20.15	20.62	30
256QAM	15.2	15.72	19.58	20.10	30

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

LTE Band 43 (3.7 GHz ~ 3.8 GHz), Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 44665	CH 45090	CH 45515
			3707.5 MHz	3750 MHz	3792.5 MHz
QPSK	1	0	15.93	16.10	16.46
	1	37	16.07	15.94	16.10
	1	74	15.72	15.73	15.98
	36	0	15.86	15.65	15.98
	36	19	15.85	15.95	16.06
	36	39	16.09	15.82	16.09
	75	0	15.99	16.01	16.10
16QAM	1	0	15.86	15.77	15.89
	1	37	15.87	15.95	16.10
	1	74	15.91	15.65	16.04
	36	0	16.11	15.86	16.04
	36	19	15.97	15.96	16.07
	36	39	16.01	15.96	16.10
	75	0	15.92	15.87	16.06
64QAM	1	0	16.06	15.99	16.02
	1	37	15.95	15.96	16.10
	1	74	16.05	15.90	16.12
	36	0	16.04	16.07	16.04
	36	19	16.02	15.90	16.23
	36	39	16.02	16.07	16.20
	75	0	16.04	16.12	16.23
256QAM	1	0	15.33	15.21	15.44
	1	37	15.70	15.42	15.58
	1	74	15.55	15.49	15.80
	36	0	15.56	15.36	15.62
	36	19	15.58	15.41	15.74
	36	39	15.47	15.42	15.65
	75	0	15.60	15.53	15.69

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	15.65	16.46	20.03	20.84	30
16QAM	15.65	16.11	20.03	20.49	30
64QAM	15.9	16.23	20.28	20.61	30
256QAM	15.21	15.8	19.59	20.18	30

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

LTE Band 43 (3.7 GHz ~ 3.8 GHz), Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 44690	CH 45090	CH 45490
			3710 MHz	3750 MHz	3790 MHz
QPSK	1	0	15.97	16.12	16.49
	1	50	16.15	15.96	16.11
	1	99	15.79	15.87	16.03
	50	0	15.95	15.76	16.02
	50	25	15.96	16.10	16.07
	50	50	16.10	15.95	16.16
	100	0	16.05	16.10	16.10
16QAM	1	0	15.96	15.88	15.97
	1	50	16.00	16.00	16.11
	1	99	15.92	15.72	16.06
	50	0	16.11	16.01	16.11
	50	25	15.99	16.01	16.14
	50	50	16.03	15.98	16.10
	100	0	16.02	16.01	16.07
64QAM	1	0	16.12	16.06	16.12
	1	50	16.10	16.06	16.20
	1	99	16.12	16.01	16.18
	50	0	16.12	16.10	16.12
	50	25	16.17	16.04	16.28
	50	50	16.11	16.11	16.22
	100	0	16.09	16.12	16.27
256QAM	1	0	15.40	15.30	15.54
	1	50	15.70	15.50	15.68
	1	99	15.62	15.64	15.82
	50	0	15.59	15.51	15.64
	50	25	15.65	15.54	15.74
	50	50	15.56	15.53	15.66
	100	0	15.63	15.61	15.77

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	15.76	16.49	20.14	20.87	30
16QAM	15.72	16.14	20.10	20.52	30
64QAM	16.01	16.28	20.39	20.66	30
256QAM	15.3	15.82	19.68	20.20	30

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

7.1.16 LTE Band 66

LTE Band 66, Channel Bandwidth: 1.4 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 131979	CH 132322	CH 132665
			1710.7 MHz	1745 MHz	1779.3 MHz
QPSK	1	0	22.69	22.70	22.80
	1	2	22.87	22.68	22.82
	1	5	22.72	22.65	22.83
	3	0	21.80	21.72	21.87
	3	1	21.91	21.97	21.99
	3	3	21.76	21.72	21.95
	6	0	21.80	21.85	21.87
16QAM	1	0	21.66	21.83	21.84
	1	2	21.81	22.11	22.10
	1	5	21.48	21.90	21.74
	3	0	20.08	20.33	20.36
	3	1	20.18	20.40	20.37
	3	3	20.17	20.51	20.40
	6	0	20.05	20.45	20.36
64QAM	1	0	20.21	20.49	20.45
	1	2	20.40	20.60	20.62
	1	5	20.29	20.51	20.44
	3	0	19.04	19.36	19.33
	3	1	19.15	19.42	19.46
	3	3	19.13	19.42	19.32
	6	0	19.20	19.52	19.46
256QAM	1	0	17.33	17.54	17.58
	1	2	17.20	17.45	17.47
	1	5	17.13	17.44	17.37
	3	0	17.01	17.30	17.35
	3	1	17.12	17.34	17.32
	3	3	17.22	17.46	17.43
	6	0	17.14	17.38	17.32

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.72	22.87	24.39	25.54	30
16QAM	20.05	22.11	22.72	24.78	30
64QAM	19.04	20.62	21.71	23.29	30
256QAM	17.01	17.58	19.68	20.25	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	22.73	22.70	22.81
	1	7	22.84	22.77	22.84
	1	14	22.76	22.69	22.78
	8	0	21.86	21.82	21.90
	8	3	21.88	21.90	21.93
	8	7	21.83	21.76	21.90
	15	0	21.88	21.76	21.87
16QAM	1	0	21.66	21.92	21.89
	1	7	21.79	22.08	22.10
	1	14	21.51	21.82	21.82
	8	0	20.15	20.31	20.30
	8	3	20.13	20.41	20.42
	8	7	20.15	20.49	20.40
	15	0	20.07	20.41	20.35
64QAM	1	0	20.19	20.53	20.46
	1	7	20.32	20.58	20.60
	1	14	20.25	20.56	20.49
	8	0	19.02	19.33	19.35
	8	3	19.15	19.51	19.46
	8	7	19.08	19.34	19.29
	15	0	19.27	19.51	19.46
256QAM	1	0	17.33	17.51	17.56
	1	7	17.21	17.52	17.48
	1	14	17.05	17.48	17.32
	8	0	17.02	17.30	17.33
	8	3	17.10	17.29	17.29
	8	7	17.16	17.48	17.45
	15	0	17.09	17.39	17.35

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.76	22.84	24.43	25.51	30
16QAM	20.07	22.1	22.74	24.77	30
64QAM	19.02	20.6	21.69	23.27	30
256QAM	17.02	17.56	19.69	20.23	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	22.68	22.68	22.86
	1	12	22.84	22.77	22.79
	1	24	22.73	22.64	22.75
	12	0	21.86	21.73	21.88
	12	6	21.91	21.93	21.92
	12	13	21.78	21.72	21.86
	25	0	21.85	21.82	21.84
16QAM	1	0	21.66	21.84	21.90
	1	12	21.85	22.09	22.05
	1	24	21.44	21.82	21.75
	12	0	20.13	20.38	20.38
	12	6	20.15	20.41	20.41
	12	13	20.11	20.48	20.45
	25	0	20.05	20.37	20.34
64QAM	1	0	20.19	20.53	20.48
	1	12	20.41	20.54	20.62
	1	24	20.24	20.61	20.48
	12	0	19.03	19.42	19.31
	12	6	19.21	19.50	19.43
	12	13	19.17	19.39	19.29
	25	0	19.22	19.45	19.46
256QAM	1	0	17.34	17.53	17.56
	1	12	17.26	17.53	17.50
	1	24	17.10	17.43	17.36
	12	0	17.00	17.36	17.36
	12	6	17.19	17.30	17.33
	12	13	17.22	17.49	17.49
	25	0	17.17	17.36	17.31

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.72	22.86	24.39	25.53	30
16QAM	20.05	22.09	22.72	24.76	30
64QAM	19.03	20.62	21.70	23.29	30
256QAM	17	17.56	19.67	20.23	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	22.70	22.70	22.82
	1	24	22.78	22.78	22.82
	1	49	22.69	22.61	22.83
	25	0	21.85	21.72	21.86
	25	12	21.91	21.90	21.94
	25	25	21.82	21.70	21.89
	50	0	21.79	21.79	21.91
16QAM	1	0	21.62	21.88	21.83
	1	24	21.84	22.17	22.04
	1	49	21.45	21.84	21.78
	25	0	20.15	20.40	20.29
	25	12	20.12	20.45	20.39
	25	25	20.10	20.53	20.44
	50	0	20.06	20.44	20.44
64QAM	1	0	20.16	20.57	20.50
	1	24	20.36	20.61	20.53
	1	49	20.24	20.61	20.45
	25	0	19.10	19.33	19.38
	25	12	19.17	19.48	19.42
	25	25	19.14	19.34	19.38
	50	0	19.19	19.46	19.49
256QAM	1	0	17.40	17.60	17.52
	1	24	17.18	17.46	17.46
	1	49	17.04	17.43	17.37
	25	0	17.04	17.36	17.36
	25	12	17.09	17.31	17.33
	25	25	17.17	17.45	17.49
	50	0	17.10	17.36	17.34

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.7	22.83	24.37	25.50	30
16QAM	20.06	22.17	22.73	24.84	30
64QAM	19.1	20.61	21.77	23.28	30
256QAM	17.04	17.6	19.71	20.27	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	22.74	22.66	22.87
	1	37	22.87	22.75	22.83
	1	74	22.71	22.65	22.82
	36	0	21.78	21.75	21.95
	36	19	21.89	21.93	21.90
	36	39	21.82	21.73	21.86
	75	0	21.84	21.79	21.88
16QAM	1	0	21.66	21.84	21.89
	1	37	21.84	22.10	22.04
	1	74	21.52	21.92	21.78
	36	0	20.06	20.38	20.28
	36	19	20.15	20.40	20.41
	36	39	20.15	20.46	20.41
	75	0	20.05	20.43	20.37
64QAM	1	0	20.20	20.49	20.46
	1	37	20.33	20.58	20.57
	1	74	20.28	20.61	20.50
	36	0	19.05	19.39	19.36
	36	19	19.20	19.46	19.41
	36	39	19.11	19.40	19.29
	75	0	19.17	19.46	19.43
256QAM	1	0	17.31	17.51	17.54
	1	37	17.23	17.51	17.45
	1	74	17.11	17.39	17.33
	36	0	17.02	17.39	17.28
	36	19	17.11	17.36	17.29
	36	39	17.16	17.48	17.47
	75	0	17.12	17.44	17.31

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.73	22.87	24.40	25.54	30
16QAM	20.05	22.1	22.72	24.77	30
64QAM	19.05	20.61	21.72	23.28	30
256QAM	17.02	17.54	19.69	20.21	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	22.74	22.72	22.90
	1	50	22.87	22.78	22.88
	1	99	22.77	22.70	22.84
	50	0	21.88	21.82	21.96
	50	25	21.98	21.98	22.00
	50	50	21.86	21.78	21.96
	100	0	21.89	21.86	21.93
16QAM	1	0	21.67	21.92	21.90
	1	50	21.86	22.17	22.12
	1	99	21.54	21.92	21.84
	50	0	20.15	20.40	20.38
	50	25	20.20	20.46	20.43
	50	50	20.20	20.55	20.46
	100	0	20.14	20.45	20.44
64QAM	1	0	20.22	20.57	20.51
	1	50	20.42	20.64	20.62
	1	99	20.30	20.61	20.51
	50	0	19.10	19.43	19.38
	50	25	19.24	19.52	19.50
	50	50	19.18	19.44	19.39
	100	0	19.27	19.52	19.50
256QAM	1	0	17.40	17.61	17.60
	1	50	17.27	17.55	17.55
	1	99	17.14	17.49	17.42
	50	0	17.09	17.40	17.36
	50	25	17.19	17.39	17.39
	50	50	17.26	17.49	17.49
	100	0	17.17	17.45	17.38

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.78	22.9	24.45	25.57	30
16QAM	20.14	22.17	22.81	24.84	30
64QAM	19.1	20.64	21.77	23.31	30
256QAM	17.09	17.61	19.76	20.28	30

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

7.1.17 LTE Band 71

LTE Band 71, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 133147	CH 133297	CH 133447
			665.5 MHz	680.5 MHz	695.5 MHz
QPSK	1	0	22.91	23.12	23.11
	1	12	22.97	23.10	23.04
	1	24	22.97	23.13	23.11
	12	0	21.97	22.14	22.07
	12	6	22.01	22.05	22.05
	12	13	22.08	22.14	22.06
	25	0	22.03	22.06	22.08
16QAM	1	0	22.10	22.06	22.13
	1	12	22.21	22.21	22.29
	1	24	22.05	22.15	21.92
	12	0	21.16	21.10	21.06
	12	6	21.10	21.08	21.00
	12	13	21.16	21.06	21.01
	25	0	21.03	21.07	21.05
64QAM	1	0	21.16	21.05	20.97
	1	12	21.30	21.16	21.08
	1	24	21.12	21.10	21.06
	12	0	20.07	20.08	20.09
	12	6	20.13	20.23	20.17
	12	13	20.15	20.12	20.17
	25	0	20.28	20.22	20.18
256QAM	1	0	18.06	17.92	17.85
	1	12	18.17	18.10	18.13
	1	24	17.97	17.85	17.73
	12	0	18.01	18.06	17.88
	12	6	18.08	18.05	17.94
	12	13	18.06	18.00	17.99
	25	0	17.90	17.88	18.01

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.97	23.13	22.52	23.68	44.77
16QAM	21	22.29	21.55	22.84	44.77
64QAM	20.07	21.3	20.62	21.85	44.77
256QAM	17.73	18.17	18.28	18.72	44.77

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	22.91	23.12	23.12
	1	24	22.98	23.09	23.05
	1	49	22.99	23.10	23.11
	25	0	22.01	22.19	22.02
	25	12	22.07	22.05	22.06
	25	25	22.11	22.10	22.08
	50	0	22.01	22.08	22.05
16QAM	1	0	22.14	22.13	22.06
	1	24	22.27	22.19	22.20
	1	49	22.05	22.16	21.96
	25	0	21.13	21.00	20.99
	25	12	21.13	21.07	20.90
	25	25	21.21	21.06	21.05
	50	0	21.04	21.05	21.06
64QAM	1	0	21.21	21.05	20.97
	1	24	21.35	21.09	21.15
	1	49	21.10	21.07	21.02
	25	0	20.04	20.13	20.10
	25	12	20.20	20.23	20.16
	25	25	20.16	20.10	20.14
	50	0	20.29	20.16	20.17
256QAM	1	0	18.07	17.89	17.87
	1	24	18.19	18.08	18.05
	1	49	17.91	17.88	17.72
	25	0	18.00	17.96	17.84
	25	12	18.04	18.05	17.93
	25	25	18.06	18.00	18.00
	50	0	17.92	17.93	17.95

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.01	23.12	22.56	23.67	44.77
16QAM	20.9	22.27	21.45	22.82	44.77
64QAM	20.04	21.35	20.59	21.90	44.77
256QAM	17.72	18.19	18.27	18.74	44.77

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	22.99	23.18	23.14
	1	37	22.93	23.06	22.97
	1	74	23.03	23.09	23.09
	36	0	21.98	22.12	22.02
	36	19	22.01	22.04	22.09
	36	39	22.08	22.08	22.05
	75	0	22.02	22.12	22.11
16QAM	1	0	22.18	22.07	22.09
	1	37	22.25	22.19	22.25
	1	74	22.13	22.18	21.92
	36	0	21.15	21.02	20.99
	36	19	21.15	21.00	20.96
	36	39	21.24	21.04	21.08
	75	0	21.05	21.06	21.13
64QAM	1	0	21.14	21.02	21.02
	1	37	21.30	21.16	21.11
	1	74	21.11	21.08	21.00
	36	0	20.10	20.05	20.07
	36	19	20.19	20.15	20.14
	36	39	20.19	20.17	20.18
	75	0	20.24	20.17	20.14
256QAM	1	0	18.12	17.91	17.86
	1	37	18.20	18.12	18.13
	1	74	17.91	17.81	17.66
	36	0	18.01	18.05	17.88
	36	19	18.11	18.05	17.92
	36	39	18.10	17.99	17.96
	75	0	17.91	17.88	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	23.18	22.53	23.73	44.77
16QAM	20.96	22.25	21.51	22.80	44.77
64QAM	20.05	21.3	20.60	21.85	44.77
256QAM	17.66	18.2	18.21	18.75	44.77

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	22.99	23.20	23.16
	1	50	22.98	23.16	23.07
	1	99	23.06	23.15	23.15
	50	0	22.03	22.22	22.12
	50	25	22.11	22.13	22.13
	50	50	22.11	22.18	22.11
	100	0	22.09	22.15	22.11
16QAM	1	0	22.20	22.16	22.14
	1	50	22.31	22.26	22.30
	1	99	22.14	22.18	22.02
	50	0	21.19	21.10	21.07
	50	25	21.19	21.10	21.00
	50	50	21.25	21.10	21.10
	100	0	21.12	21.14	21.15
64QAM	1	0	21.21	21.10	21.02
	1	50	21.37	21.18	21.16
	1	99	21.20	21.17	21.06
	50	0	20.10	20.15	20.17
	50	25	20.21	20.24	20.22
	50	50	20.21	20.18	20.20
	100	0	20.30	20.22	20.21
256QAM	1	0	18.15	17.99	17.91
	1	50	18.22	18.16	18.13
	1	99	17.98	17.90	17.75
	50	0	18.09	18.06	17.90
	50	25	18.14	18.13	17.96
	50	50	18.10	18.08	18.01
	100	0	17.98	17.94	18.04

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.03	23.2	22.58	23.75	44.77
16QAM	21	22.31	21.55	22.86	44.77
64QAM	20.1	21.37	20.65	21.92	44.77
256QAM	17.75	18.22	18.30	18.77	44.77

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

7.2 Radiated Spurious Emissions below 1GHz

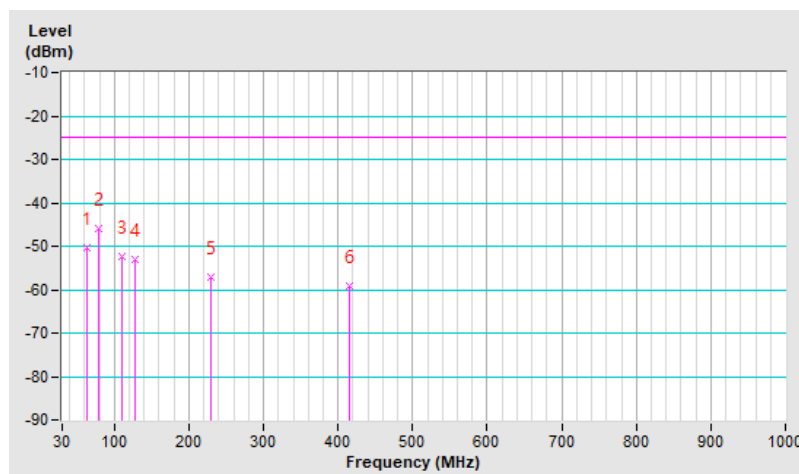
7.2.1 LTE Band 7

RF Mode	LTE Band 7 Channel Bandwidth: 20MHz	Channel	CH 21100 : 2535 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Thomas Cheng		

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	62.98	-50.46	-25.00	-25.46	1.00 H	359	58.12	-108.58
2	78.50	-45.90	-25.00	-20.90	1.00 H	99	66.16	-112.06
3	109.54	-52.41	-25.00	-27.41	1.00 H	92	58.21	-110.62
4	127.97	-52.92	-25.00	-27.92	1.00 H	110	55.89	-108.81
5	229.82	-57.02	-25.00	-32.02	1.00 H	204	53.20	-110.22
6	415.09	-59.07	-25.00	-34.07	2.00 H	308	44.94	-104.01

Remarks:

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

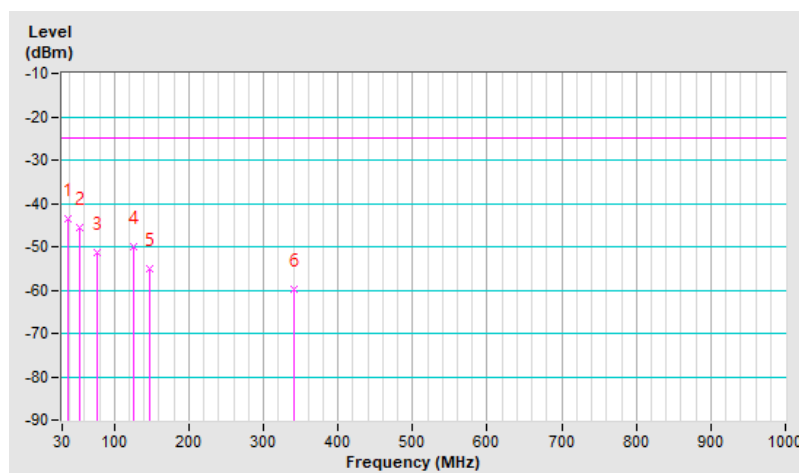


RF Mode	LTE Band 7 Channel Bandwidth: 20MHz	Channel	CH 21100 : 2535 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Thomas Cheng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	37.76	-43.58	-25.00	-18.58	1.00 V	7	64.10	-107.68
2	53.28	-45.62	-25.00	-20.62	1.00 V	16	61.81	-107.43
3	76.56	-51.22	-25.00	-26.22	1.00 V	81	60.38	-111.60
4	125.06	-50.03	-25.00	-25.03	1.50 V	88	59.04	-109.07
5	146.40	-55.19	-25.00	-30.19	1.00 V	222	52.28	-107.47
6	341.37	-59.67	-25.00	-34.67	1.50 V	148	46.31	-105.98

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.



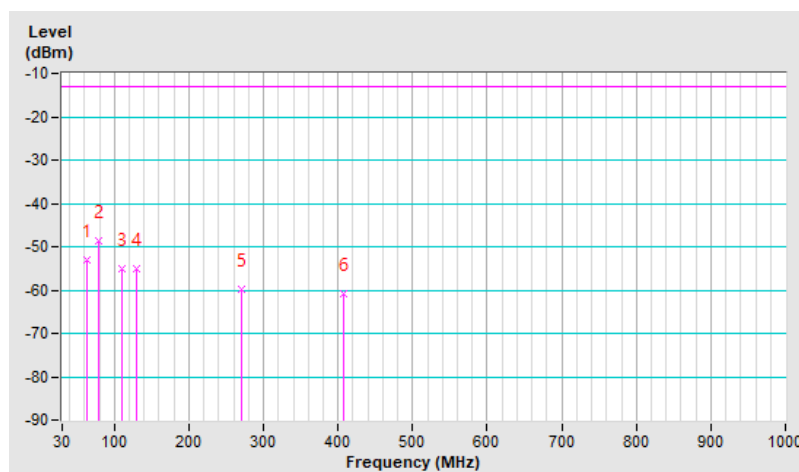
7.2.2 LTE Band 12

RF Mode	LTE Band 12 Channel Bandwidth: 10MHz	Channel	CH 23095 : 707.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Thomas Cheng		

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	62.98	-53.11	-13.00	-40.11	1.00 H	353	57.62	-110.73
2	78.50	-48.61	-13.00	-35.61	1.00 H	128	65.60	-114.21
3	109.54	-54.94	-13.00	-41.94	1.00 H	156	57.83	-112.77
4	129.91	-55.24	-13.00	-42.24	1.00 H	95	55.54	-110.78
5	269.59	-59.81	-13.00	-46.81	1.50 H	62	50.17	-109.98
6	408.30	-60.90	-13.00	-47.90	1.50 H	317	45.46	-106.36

Remarks:

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

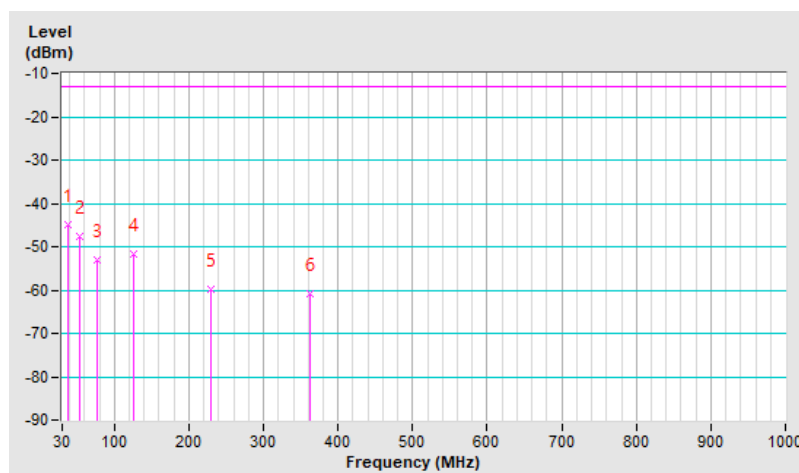


RF Mode	LTE Band 12 Channel Bandwidth: 10MHz	Channel	CH 23095 : 707.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Thomas Cheng		

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	37.76	-45.03	-13.00	-32.03	1.00 V	64	64.80	-109.83
2	53.28	-47.63	-13.00	-34.63	1.00 V	244	61.95	-109.58
3	76.56	-53.15	-13.00	-40.15	1.00 V	10	60.60	-113.75
4	125.06	-51.83	-13.00	-38.83	1.00 V	95	59.39	-111.22
5	228.85	-59.95	-13.00	-46.95	1.50 V	175	52.56	-112.51
6	361.74	-60.72	-13.00	-47.72	1.50 V	10	46.98	-107.70

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.



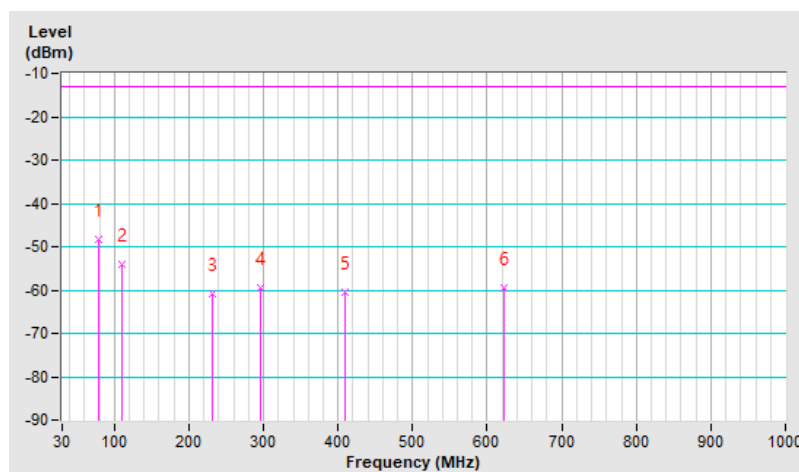
7.2.3 LTE Band 13

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	23 °C, 66% RH
Tested By	Thomas Cheng		

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	78.50	-48.43	-13.00	-35.43	1.00 H	88	65.78	-114.21
2	109.54	-54.12	-13.00	-41.12	1.00 H	122	58.65	-112.77
3	230.79	-60.95	-13.00	-47.95	1.00 H	190	51.27	-112.22
4	296.75	-59.45	-13.00	-46.45	2.00 H	130	49.69	-109.14
5	409.27	-60.67	-13.00	-47.67	1.00 H	317	45.66	-106.33
6	621.70	-59.54	-13.00	-46.54	1.00 H	294	41.79	-101.33

Remarks:

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

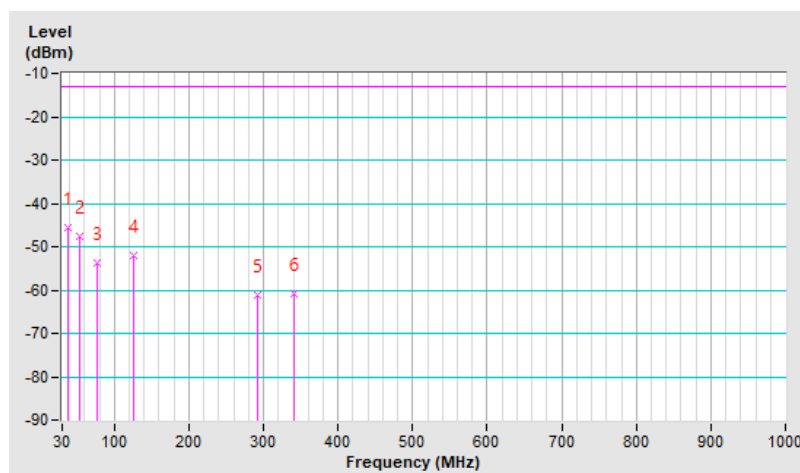


RF Mode	LTE Band 13 Channel Bandwidth: 10MHz	Channel	CH 23230 : 782 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Thomas Cheng		

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	38.73	-45.74	-13.00	-32.74	1.00 V	7	64.19	-109.93
2	53.28	-47.59	-13.00	-34.59	1.00 V	110	61.99	-109.58
3	76.56	-53.56	-13.00	-40.56	1.50 V	33	60.19	-113.75
4	125.06	-52.02	-13.00	-39.02	1.00 V	101	59.20	-111.22
5	292.87	-61.19	-13.00	-48.19	1.00 V	52	48.03	-109.22
6	340.40	-60.70	-13.00	-47.70	1.50 V	138	47.42	-108.12

Remarks:

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



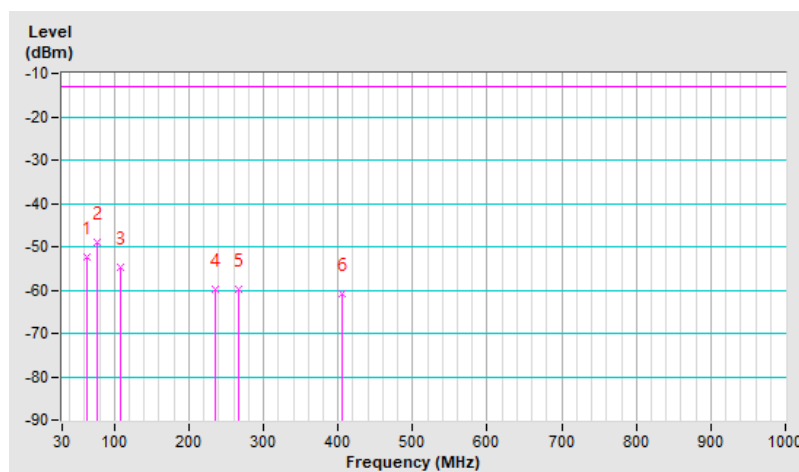
7.2.4 LTE Band 14

RF Mode	LTE Band 14 Channel Bandwidth: 10MHz	Channel	CH 23330 : 793 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Thomas Cheng		

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	63.95	-52.23	-13.00	-39.23	1.00 H	5	58.45	-110.68
2	77.53	-48.83	-13.00	-35.83	1.00 H	218	65.14	-113.97
3	108.57	-54.72	-13.00	-41.72	1.00 H	124	58.11	-112.83
4	234.67	-59.86	-13.00	-46.86	1.00 H	194	51.78	-111.64
5	266.68	-59.81	-13.00	-46.81	1.00 H	44	50.35	-110.16
6	406.36	-60.69	-13.00	-47.69	2.00 H	280	45.73	-106.42

Remarks:

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

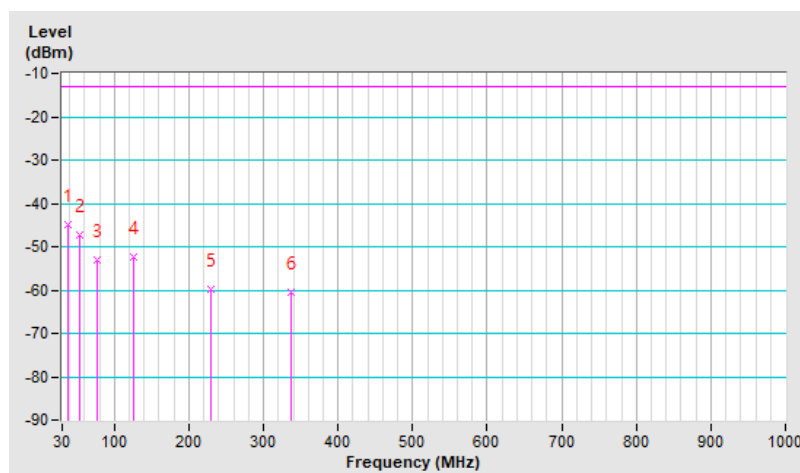


RF Mode	LTE Band 14 Channel Bandwidth: 10MHz	Channel	CH 23330 : 793 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Thomas Cheng		

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	38.73	-44.88	-13.00	-31.88	1.50 V	50	65.05	-109.93
2	53.28	-47.37	-13.00	-34.37	1.00 V	72	62.21	-109.58
3	76.56	-53.07	-13.00	-40.07	1.00 V	48	60.68	-113.75
4	125.06	-52.27	-13.00	-39.27	1.00 V	87	58.95	-111.22
5	228.85	-59.73	-13.00	-46.73	1.50 V	191	52.78	-112.51
6	337.49	-60.62	-13.00	-47.62	1.00 V	132	47.52	-108.14

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.



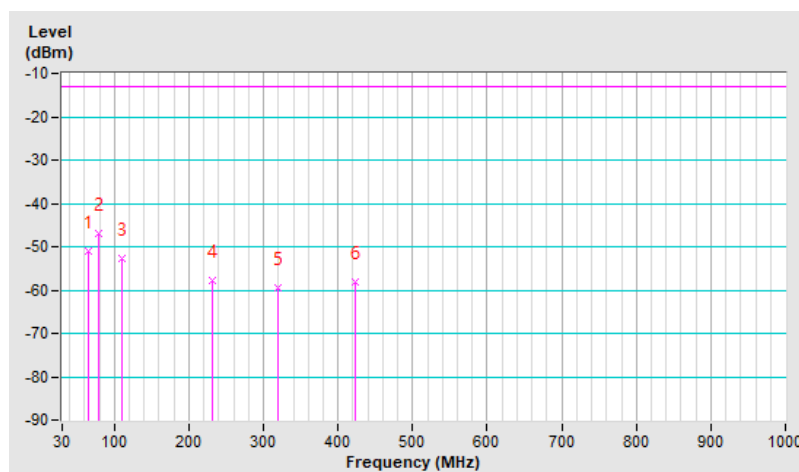
7.2.5 LTE Band 25

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	23 °C, 66% RH
Tested By	Thomas Cheng		

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	65.89	-50.97	-13.00	-37.97	1.00 H	63	58.17	-109.14
2	78.50	-46.83	-13.00	-33.83	1.00 H	15	65.23	-112.06
3	109.54	-52.82	-13.00	-39.82	1.00 H	129	57.80	-110.62
4	230.79	-57.90	-13.00	-44.90	1.00 H	188	52.17	-110.07
5	320.03	-59.55	-13.00	-46.55	2.00 H	261	46.68	-106.23
6	422.85	-58.16	-13.00	-45.16	2.00 H	80	45.53	-103.69

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 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.

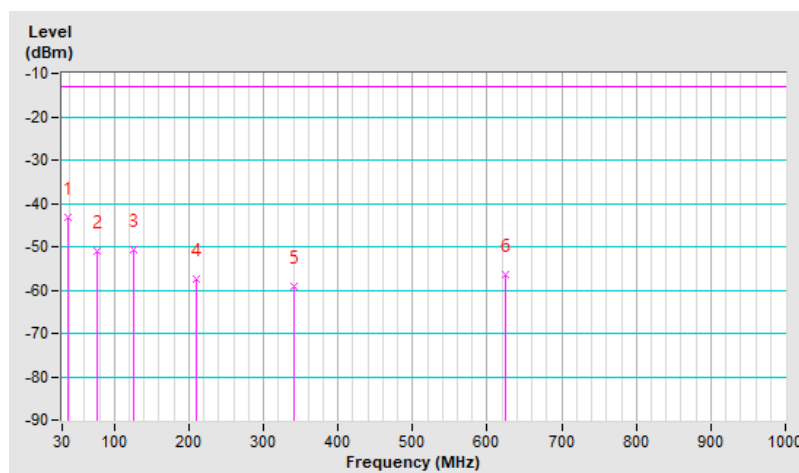


RF Mode	LTE Band 25 Channel Bandwidth: 20MHz	Channel	CH 26365 : 1882.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Thomas Cheng		

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	38.73	-43.13	-13.00	-30.13	1.00 V	5	64.65	-107.78
2	76.56	-50.86	-13.00	-37.86	1.00 V	27	60.74	-111.60
3	125.06	-50.65	-13.00	-37.65	1.00 V	97	58.42	-109.07
4	209.45	-57.31	-13.00	-44.31	1.00 V	168	53.39	-110.70
5	340.40	-59.08	-13.00	-46.08	1.50 V	117	46.89	-105.97
6	623.64	-56.35	-13.00	-43.35	1.50 V	14	42.78	-99.13

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
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.



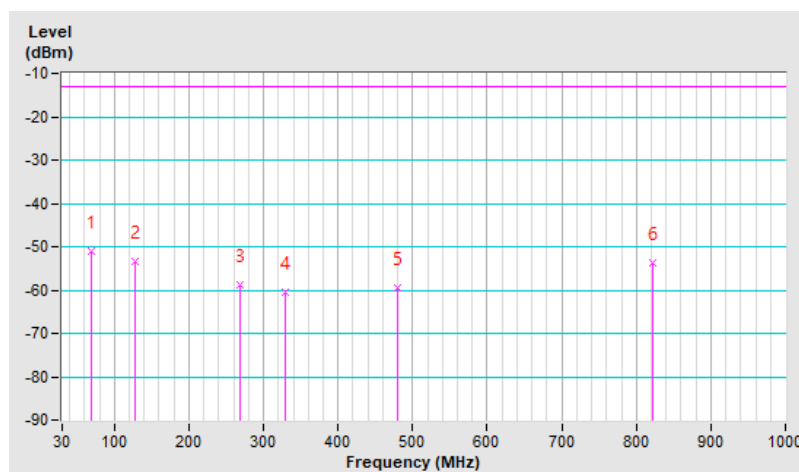
7.2.6 LTE Band 26 (814 MHz ~ 824 MHz)

RF Mode	LTE Band 26 (814 MHz ~ 824 MHz) Channel Bandwidth: 10MHz	Channel	CH 26740 : 819 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Thomas Cheng		

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	68.80	-50.90	-13.00	-37.90	2.00 H	171	60.93	-111.83
2	127.97	-53.40	-13.00	-40.40	2.00 H	99	57.56	-110.96
3	268.62	-58.80	-13.00	-45.80	1.00 H	66	51.25	-110.05
4	328.76	-60.50	-13.00	-47.50	2.00 H	156	47.69	-108.19
5	480.08	-59.59	-13.00	-46.59	1.00 H	296	44.72	-104.31
6	822.49	-53.60	-13.00	-40.60	1.50 H	10	43.90	-97.50

Remarks:

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

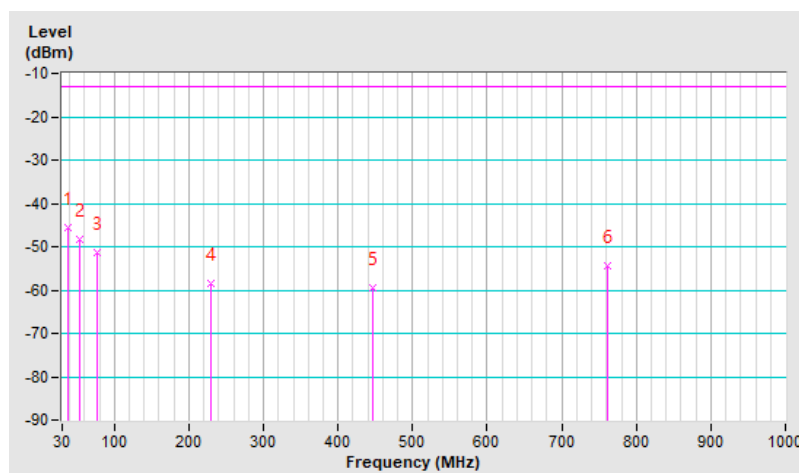


RF Mode	LTE Band 26 (814 MHz ~ 824 MHz) Channel Bandwidth: 10MHz	Channel	CH 26740 : 819 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Thomas Cheng		

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	38.45	-45.64	-13.00	-32.64	1.50 V	232	64.23	-109.87
2	54.17	-48.37	-13.00	-35.37	2.00 V	186	61.35	-109.72
3	76.56	-51.48	-13.00	-38.48	1.00 V	36	62.27	-113.75
4	228.85	-58.40	-13.00	-45.40	1.00 V	194	54.11	-112.51
5	447.10	-59.56	-13.00	-46.56	1.50 V	259	45.49	-105.05
6	761.38	-54.54	-13.00	-41.54	2.00 V	195	43.42	-97.96

Remarks:

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



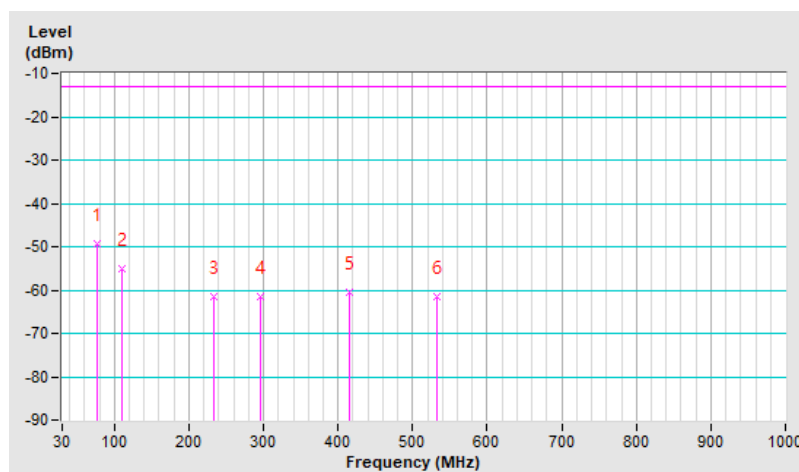
7.2.7 LTE Band 26 (824 MHz ~ 849 MHz)

RF Mode	LTE Band 26 (824 MHz ~ 849 MHz) Channel Bandwidth: 15MHz	Channel	CH 26865 : 831.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Thomas Cheng		

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	77.53	-49.41	-13.00	-36.41	1.00 H	206	64.56	-113.97
2	109.54	-55.18	-13.00	-42.18	1.00 H	114	57.59	-112.77
3	232.73	-61.44	-13.00	-48.44	1.00 H	177	50.49	-111.93
4	295.78	-61.41	-13.00	-48.41	1.00 H	128	47.76	-109.17
5	415.09	-60.39	-13.00	-47.39	1.50 H	316	45.77	-106.16
6	532.46	-61.39	-13.00	-48.39	1.00 H	5	41.69	-103.08

Remarks:

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

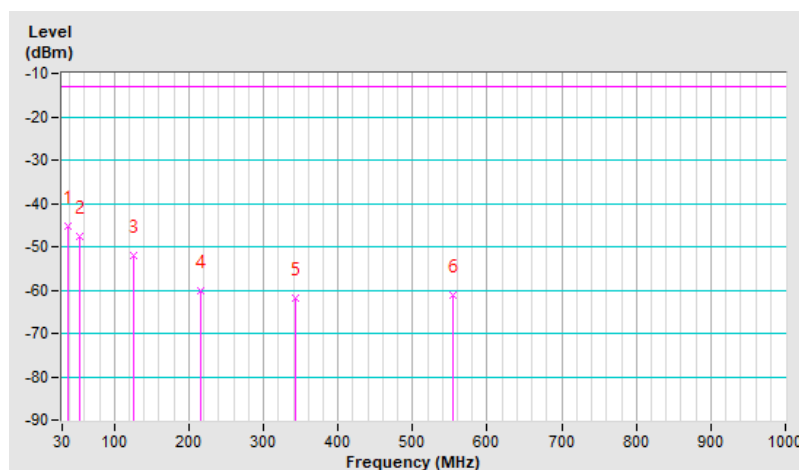


RF Mode	LTE Band 26 (824 MHz ~ 849 MHz) Channel Bandwidth: 15MHz	Channel	CH 26865 : 831.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Thomas Cheng		

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	38.73	-45.37	-13.00	-32.37	1.00 V	57	64.56	-109.93
2	53.28	-47.51	-13.00	-34.51	1.00 V	161	62.07	-109.58
3	125.06	-51.92	-13.00	-38.92	1.00 V	97	59.30	-111.22
4	215.27	-60.27	-13.00	-47.27	1.50 V	186	52.54	-112.81
5	342.34	-61.77	-13.00	-48.77	1.00 V	142	46.37	-108.14
6	553.80	-61.22	-13.00	-48.22	1.50 V	352	41.82	-103.04

Remarks:

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



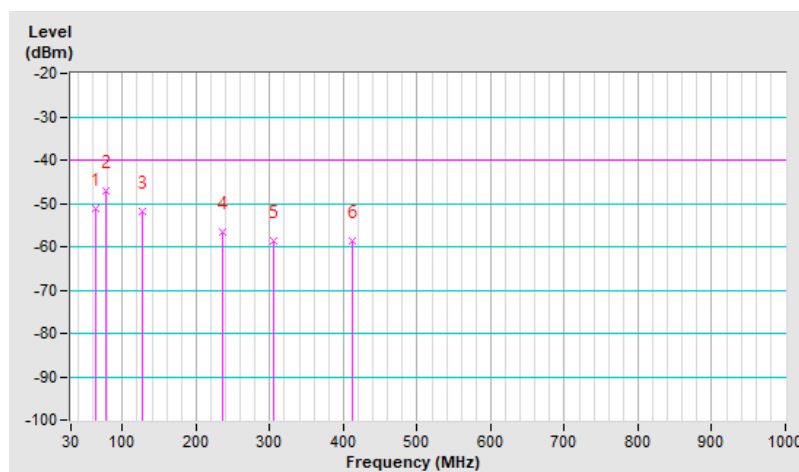
7.2.8 LTE Band 30

RF Mode	LTE Band 30 Channel Bandwidth: 10MHz	Channel	CH 27710 : 2310 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Thomas Cheng		

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	63.95	-51.15	-40.00	-11.15	1.00 H	65	57.38	-108.53
2	77.53	-47.12	-40.00	-7.12	1.00 H	112	64.70	-111.82
3	127.97	-51.91	-40.00	-11.91	1.50 H	101	56.90	-108.81
4	235.64	-56.67	-40.00	-16.67	1.00 H	189	52.73	-109.40
5	304.51	-58.61	-40.00	-18.61	1.00 H	119	48.13	-106.74
6	412.18	-58.57	-40.00	-18.57	2.00 H	312	45.52	-104.09

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.

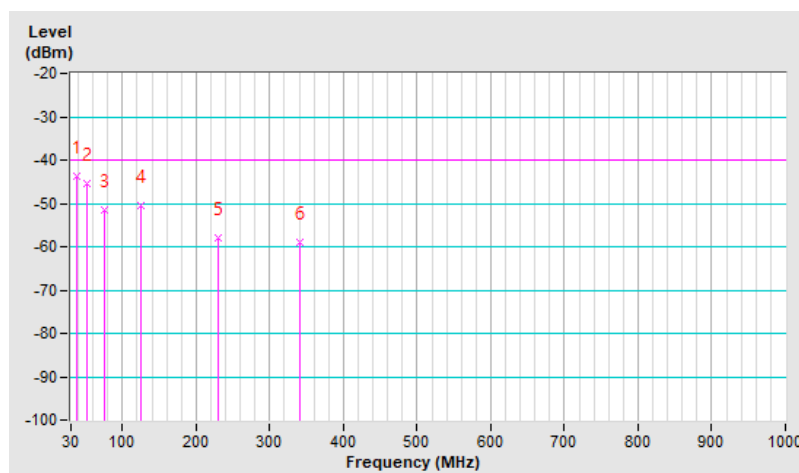


RF Mode	LTE Band 30 Channel Bandwidth: 10MHz	Channel	CH 27710 : 2310 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Thomas Cheng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	37.76	-43.79	-40.00	-3.79	1.00 V	29	63.89	-107.68
2	52.31	-45.28	-40.00	-5.28	1.00 V	5	62.05	-107.33
3	75.59	-51.51	-40.00	-11.51	1.00 V	5	59.72	-111.23
4	124.09	-50.51	-40.00	-10.51	1.00 V	93	58.81	-109.32
5	229.82	-57.98	-40.00	-17.98	1.50 V	179	52.24	-110.22
6	340.40	-58.99	-40.00	-18.99	1.50 V	148	46.98	-105.97

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
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.



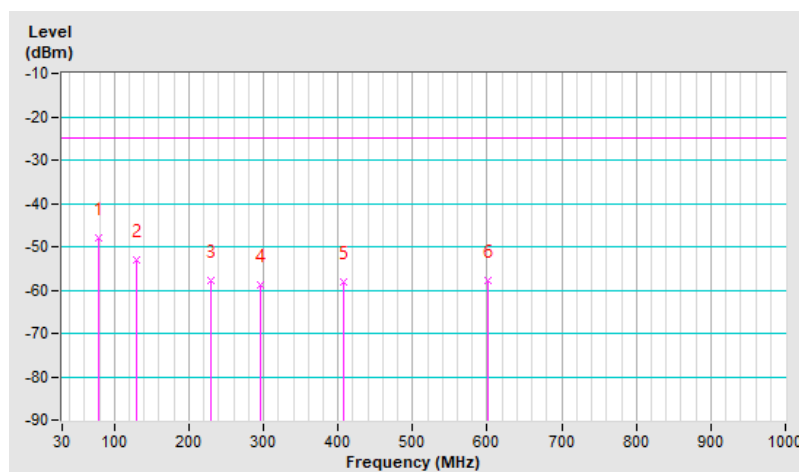
7.2.9 LTE Band 41

RF Mode	LTE Band 41 Channel Bandwidth: 20MHz	Channel	CH 41490 : 2680 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Thomas Cheng		

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	78.50	-47.98	-25.00	-22.98	1.00 H	101	64.08	-112.06
2	129.91	-52.98	-25.00	-27.98	2.00 H	86	55.65	-108.63
3	229.82	-57.71	-25.00	-32.71	1.00 H	197	52.51	-110.22
4	296.75	-58.80	-25.00	-33.80	1.00 H	130	48.19	-106.99
5	408.30	-58.09	-25.00	-33.09	1.50 H	322	46.12	-104.21
6	601.33	-57.81	-25.00	-32.81	2.00 H	4	41.96	-99.77

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 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.

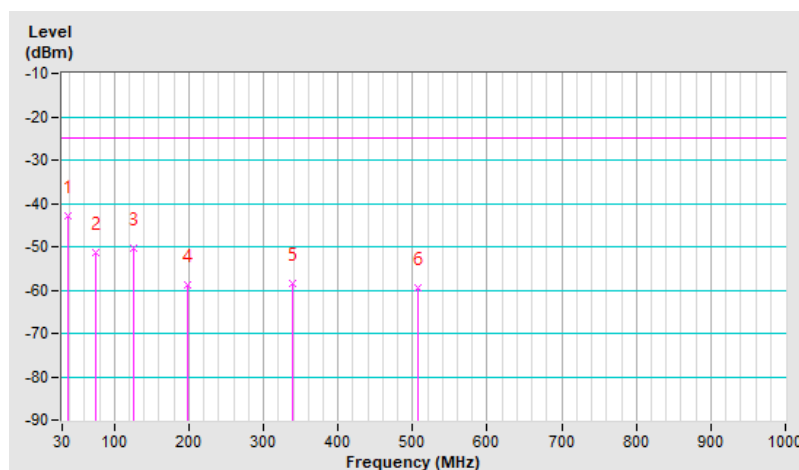


RF Mode	LTE Band 41 Channel Bandwidth: 20MHz	Channel	CH 41490 : 2680 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Thomas Cheng		

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	38.73	-42.78	-25.00	-17.78	1.00 V	54	65.00	-107.78
2	75.59	-51.51	-25.00	-26.51	1.00 V	5	59.72	-111.23
3	125.06	-50.30	-25.00	-25.30	1.00 V	70	58.77	-109.07
4	197.81	-58.72	-25.00	-33.72	2.00 V	173	52.03	-110.75
5	339.43	-58.54	-25.00	-33.54	1.00 V	151	47.43	-105.97
6	507.24	-59.62	-25.00	-34.62	1.50 V	5	41.69	-101.31

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
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.



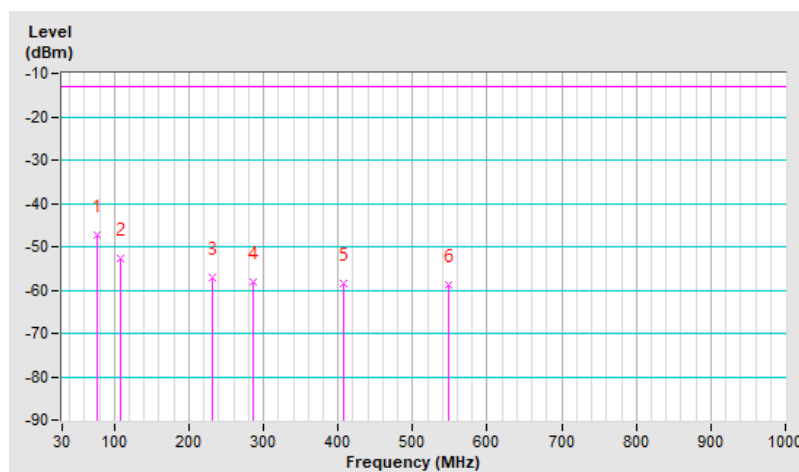
7.2.10 LTE Band 42

RF Mode	LTE Band 42 Channel Bandwidth: 20MHz	Channel	CH 42190 : 3460 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Thomas Cheng		

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	77.53	-47.12	-13.00	-34.12	1.00 H	130	64.70	-111.82
2	108.57	-52.73	-13.00	-39.73	1.00 H	105	57.95	-110.68
3	230.79	-57.02	-13.00	-44.02	2.00 H	202	53.05	-110.07
4	287.05	-58.16	-13.00	-45.16	1.00 H	60	49.03	-107.19
5	407.33	-58.44	-13.00	-45.44	1.00 H	6	45.80	-104.24
6	547.98	-58.96	-13.00	-45.96	2.00 H	348	41.97	-100.93

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.

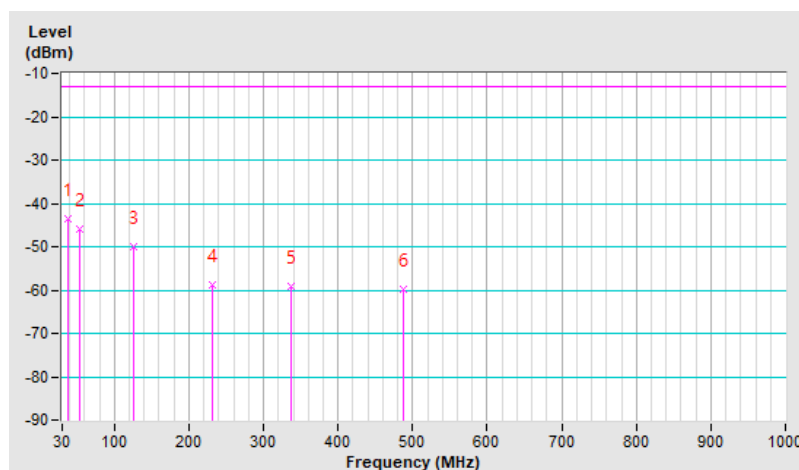


RF Mode	LTE Band 42 Channel Bandwidth: 20MHz	Channel	CH 42190 : 3460 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Thomas Cheng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	37.76	-43.45	-13.00	-30.45	1.00 V	34	64.23	-107.68
2	53.28	-45.91	-13.00	-32.91	1.00 V	111	61.52	-107.43
3	126.03	-49.97	-13.00	-36.97	1.00 V	98	59.05	-109.02
4	230.79	-58.94	-13.00	-45.94	1.00 V	5	51.13	-110.07
5	336.52	-59.23	-13.00	-46.23	2.00 V	154	46.76	-105.99
6	486.87	-59.72	-13.00	-46.72	2.00 V	33	42.26	-101.98

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.



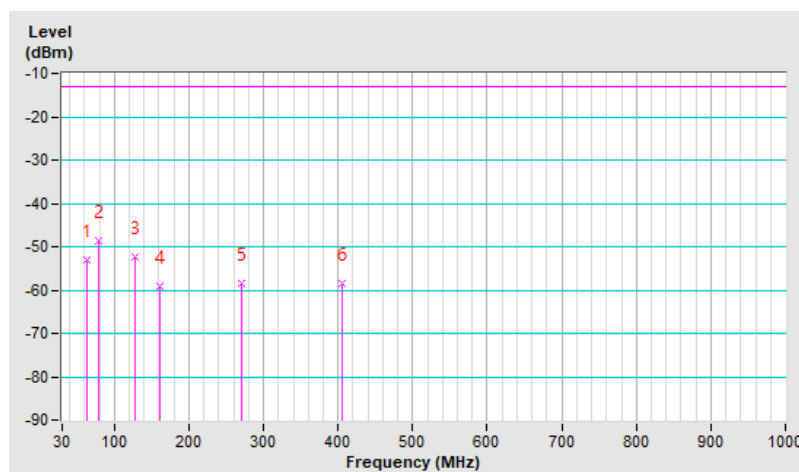
7.2.11 LTE Band 43

RF Mode	LTE Band 43 Channel Bandwidth: 20MHz	Channel	CH 45490 : 3790 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Thomas Cheng		

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	62.98	-53.01	-13.00	-40.01	1.00 H	15	55.57	-108.58
2	78.50	-48.58	-13.00	-35.58	1.00 H	195	63.48	-112.06
3	127.00	-52.42	-13.00	-39.42	1.00 H	112	56.60	-109.02
4	161.92	-59.28	-13.00	-46.28	1.00 H	210	48.28	-107.56
5	269.59	-58.49	-13.00	-45.49	2.00 H	41	49.34	-107.83
6	405.39	-58.59	-13.00	-45.59	2.00 H	318	45.70	-104.29

Remarks:

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

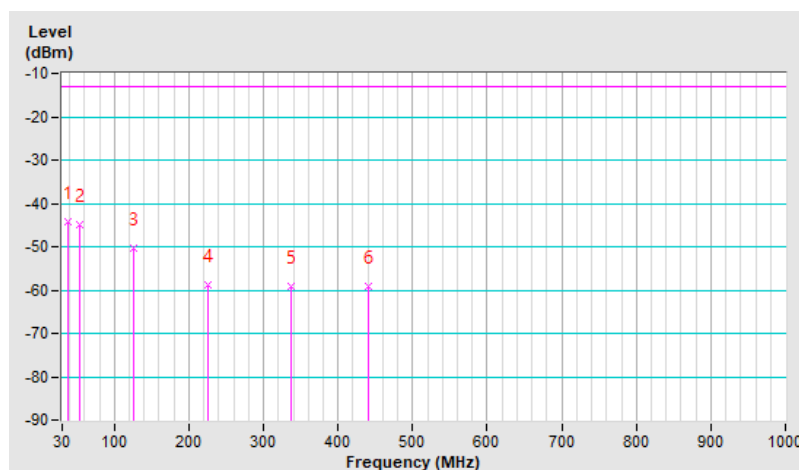


RF Mode	LTE Band 43 Channel Bandwidth: 20MHz	Channel	CH 45490 : 3790 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Thomas Cheng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	37.76	-44.21	-13.00	-31.21	1.00 V	5	63.47	-107.68
2	53.28	-44.95	-13.00	-31.95	1.00 V	121	62.48	-107.43
3	125.06	-50.29	-13.00	-37.29	1.00 V	102	58.78	-109.07
4	225.94	-58.81	-13.00	-45.81	1.00 V	202	51.96	-110.77
5	337.49	-59.00	-13.00	-46.00	1.00 V	163	46.99	-105.99
6	441.28	-59.31	-13.00	-46.31	1.50 V	212	43.75	-103.06

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.



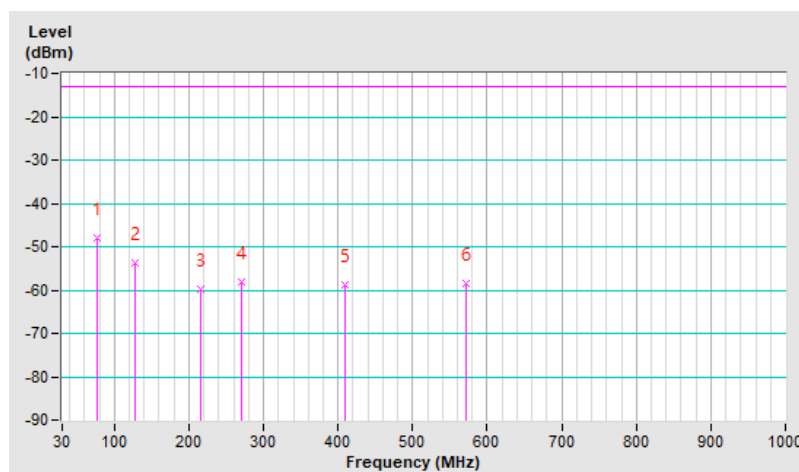
7.2.12 LTE Band 66

RF Mode	LTE Band 66 Channel Bandwidth: 20MHz	Channel	CH 132572 : 1770 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Thomas Cheng		

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	77.53	-47.85	-13.00	-34.85	1.00 H	80	63.97	-111.82
2	127.00	-53.66	-13.00	-40.66	1.00 H	98	55.36	-109.02
3	215.27	-59.79	-13.00	-46.79	1.00 H	6	50.87	-110.66
4	270.56	-58.04	-13.00	-45.04	1.00 H	264	49.75	-107.79
5	410.24	-58.80	-13.00	-45.80	2.00 H	319	45.35	-104.15
6	571.26	-58.38	-13.00	-45.38	1.00 H	160	42.18	-100.56

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 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.

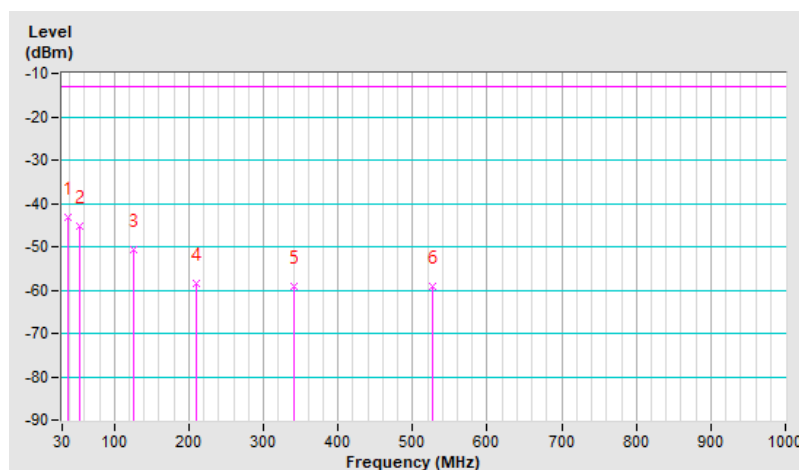


RF Mode	LTE Band 66 Channel Bandwidth: 20MHz	Channel	CH 132572 : 1770 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Thomas Cheng		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	37.76	-43.33	-13.00	-30.33	1.00 V	59	64.35	-107.68
2	53.28	-45.10	-13.00	-32.10	1.00 V	160	62.33	-107.43
3	126.03	-50.79	-13.00	-37.79	1.00 V	93	58.23	-109.02
4	209.45	-58.55	-13.00	-45.55	1.00 V	179	52.15	-110.70
5	341.37	-59.03	-13.00	-46.03	1.50 V	160	46.95	-105.98
6	526.64	-59.27	-13.00	-46.27	1.50 V	77	41.69	-100.96

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.



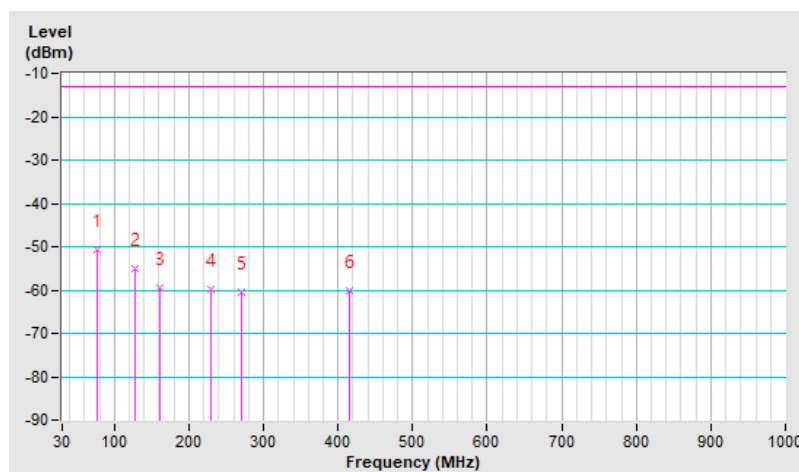
7.2.13 LTE Band 71

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	23 °C, 66% RH
Tested By	Thomas Cheng		

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	77.53	-50.60	-13.00	-37.60	1.00 H	125	63.37	-113.97
2	127.00	-54.96	-13.00	-41.96	1.00 H	100	56.21	-111.17
3	160.95	-59.59	-13.00	-46.59	1.00 H	135	50.21	-109.80
4	229.82	-59.77	-13.00	-46.77	2.00 H	194	52.60	-112.37
5	269.59	-60.35	-13.00	-47.35	1.00 H	72	49.63	-109.98
6	416.06	-60.28	-13.00	-47.28	2.00 H	322	45.84	-106.12

Remarks:

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

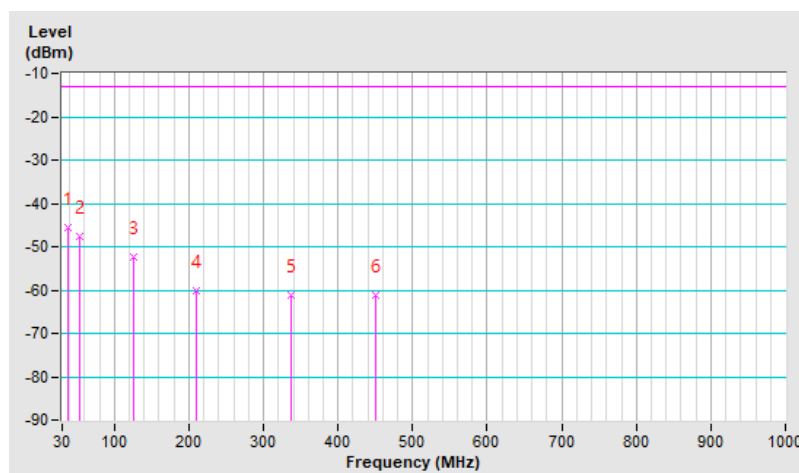


RF Mode	LTE Band 71 Channel Bandwidth: 20MHz	Channel	CH 133297 : 680.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Thomas Cheng		

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	37.76	-45.66	-13.00	-32.66	1.00 V	70	64.17	-109.83
2	53.28	-47.47	-13.00	-34.47	1.00 V	360	62.11	-109.58
3	125.06	-52.51	-13.00	-39.51	1.00 V	98	58.71	-111.22
4	209.45	-60.27	-13.00	-47.27	1.00 V	176	52.58	-112.85
5	336.52	-61.02	-13.00	-48.02	1.50 V	75	47.12	-108.14
6	450.01	-61.27	-13.00	-48.27	1.00 V	169	43.68	-104.95

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.



7.3 Radiated Spurious Emissions above 1GHz

7.3.1 LTE Band 7

RF Mode	LTE Band 7 Channel Bandwidth: 20MHz	Channel	CH 21100 : 2535 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Thomas Cheng		

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	-44.98	-25.00	-19.98	1.43 H	280	43.56	-88.54
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5070.00	-45.45	-25.00	-20.45	1.79 V	13	43.09	-88.54

Remarks:

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

7.3.2 LTE Band 12

RF Mode	LTE Band 12 Channel Bandwidth: 10MHz	Channel	CH 23095 : 707.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Thomas Cheng		

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	-42.07	-13.00	-29.07	1.48 H	188	58.14	-100.21
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	-43.42	-13.00	-30.42	1.90 V	78	56.79	-100.21

Remarks:

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

7.3.3 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	23 °C, 66% RH
Tested By	Thomas Cheng		

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	-53.68	-40.00	-13.68	1.49 H	103	44.57	-98.25
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	-54.14	-40.00	-14.14	1.35 V	227	44.11	-98.25

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.

7.3.4 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	23 °C, 66% RH
Tested By	Thomas Cheng		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1586.00	-54.01	-40.00	-14.01	1.32 H	248	44.21	-98.22
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	-54.35	-40.00	-14.35	1.85 V	178	43.87	-98.22

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 25

RF Mode	LTE Band 25 Channel Bandwidth: 20MHz	Channel	CH 26365 : 1882.5 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Thomas Cheng		

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	-47.61	-13.00	-34.61	1.56 H	230	44.11	-91.72
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	3765.00	-47.97	-13.00	-34.97	2.71 V	102	43.75	-91.72

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 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	23 °C, 66% RH
Tested By	Thomas Cheng		

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	-57.01	-13.00	-44.01	1.12 H	111	43.26	-100.27
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	1638.00	-56.49	-13.00	-43.49	2.41 V	138	43.78	-100.27

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.

7.3.7 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	23 °C, 66% RH
Tested By	Thomas Cheng		

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	-56.62	-13.00	-43.62	1.46 H	238	43.64	-100.26
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	-56.29	-13.00	-43.29	1.78 V	113	43.97	-100.26

Remarks:

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

7.3.8 LTE Band 30

RF Mode	LTE Band 30 Channel Bandwidth: 10MHz	Channel	CH 27710 : 2310 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Thomas Cheng		

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	4620.00	-55.48	-40.00	-15.48	1.24 H	169	34.52	-90.00
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	4620.00	-50.86	-40.00	-10.86	1.83 V	147	39.14	-90.00

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.

7.3.9 LTE Band 41

RF Mode	LTE Band 41 Channel Bandwidth: 20MHz	Channel	CH 41490 : 2680 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Thomas Cheng		

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	-45.54	-25.00	-20.54	3.54 H	339	43.80	-89.34
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	5360.00	-44.70	-25.00	-19.70	2.36 V	136	44.64	-89.34

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 42

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	23 °C, 66% RH
Tested By	Thomas Cheng		

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	-42.04	-13.00	-29.04	1.80 H	116	43.92	-85.96
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	-41.17	-13.00	-28.17	3.76 V	316	44.79	-85.96

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.

7.3.11 LTE Band 43

RF Mode	LTE Band 43 Channel Bandwidth: 20MHz	Channel	CH 45490 : 3790 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Thomas Cheng		

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	7580.00	-49.27	-13.00	-36.27	1.26 H	175	35.74	-85.01
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	7580.00	-46.28	-13.00	-33.28	1.06 V	129	38.73	-85.01

Remarks:

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

7.3.12 LTE Band 66

RF Mode	LTE Band 66 Channel Bandwidth: 20MHz	Channel	CH 132572 : 1770 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Thomas Cheng		

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	-49.09	-13.00	-36.09	2.05 H	281	42.82	-91.91
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	3540.00	-48.58	-13.00	-35.58	3.23 V	25	43.33	-91.91

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.

7.3.13 LTE Band 71

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	23 °C, 66% RH
Tested By	Thomas Cheng		

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	-56.79	-13.00	-43.79	3.66 H	220	43.25	-100.04
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	-56.22	-13.00	-43.22	2.00 V	8	43.82	-100.04

Remarks:

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

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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