

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.: RFBCMA-WTW-P26010290

FCC ID: UXX-FE990B40NA

Product: 5G NR Module

Brand: Ericsson

Model No.: FE990B40-NAD

Received Date: 2026/1/6

Test Date: 2026/1/9 ~ 2026/3/23

Issued Date: 2026/4/16

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FCC Registration / 281270 / TW0032 for Test Location(1)

Designation Number: 788550 / TW0003 for Test Location(2)

Approved by:

Jeremy Lin

, **Date:**

2026/4/16

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
RFBCMA-WTW-P26010290	Original release.	2026/4/16

1 Certificate

Product: 5G NR Module

Brand: Ericsson

Test Model: FE990B40-NAD

Sample Status: Engineering sample

Applicant: Ericsson Enterprise Wireless Solutions, Inc.

Test Date: 2026/1/9 ~ 2026/3/23

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 -2.56 dB at 37.25 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 -8.47 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:

1. 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).
2. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.1 Measurement Uncertainty

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

Parameter	Specification	Uncertainty (±)
Effective Radiated Power and Equivalent Isotropically Radiated Power	-	1.371 dB
Radiated Spurious Emissions below 1GHz	9 kHz ~ 30 MHz	3 dB
	30 MHz ~ 1 GHz	2.93 dB
Radiated Spurious Emissions above 1GHz	1 GHz ~ 18 GHz	1.76 dB
	18 GHz ~ 40 GHz	1.77 dB

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

2.2 Supplementary Information

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

3 General Information

3.1 General Description of EUT

Product	5G NR Module
Brand	Ericsson
Test Model	FE990B40-NAD
Host Marketing Name (HMN)	S5A615A
Status of EUT	Engineering sample
Power Supply Rating	12Vdc from adapter 56Vdc from PoE
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 addition of antennas and a host. Therefore, test items for Effective Radiated Power and Equivalent Isotropically Radiated Power and Radiated Spurious Emissions test had been re-tested in this report.
2. The EUT is integrated into the following host: W2255 5G Wideband Cellular Adapter model S5A615A
3. All types of host are listed as below.

Model	Type	Material
S5A615A	indoor	Plastic bracket
	outdoor	Metal bracket

4. 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	0.582	27.65
		16QAM	0.498	26.97
		64QAM	0.383	25.83
		256QAM	0.195	22.91
3 MHz	1851.5 ~ 1908.5	QPSK	0.583	27.66
		16QAM	0.506	27.04
		64QAM	0.386	25.87
		256QAM	0.197	22.94
5 MHz	1852.5 ~ 1907.5	QPSK	0.586	27.68
		16QAM	0.512	27.09
		64QAM	0.387	25.88
		256QAM	0.196	22.92
10 MHz	1855 ~ 1905	QPSK	0.586	27.68
		16QAM	0.507	27.05
		64QAM	0.385	25.85
		256QAM	0.198	22.97
15 MHz	1857.5 ~ 1902.5	QPSK	0.577	27.61
		16QAM	0.513	27.1
		64QAM	0.385	25.86
		256QAM	0.195	22.91
20 MHz	1860 ~ 1900	QPSK	0.587	27.69
		16QAM	0.514	27.11
		64QAM	0.389	25.9
		256QAM	0.198	22.97

LTE Band 4

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
1.4 MHz	1710.7 ~ 1754.3	QPSK	0.615	27.89
		16QAM	0.532	27.26
		64QAM	0.408	26.11
		256QAM	0.209	23.21
3 MHz	1711.5 ~ 1753.5	QPSK	0.624	27.95
		16QAM	0.540	27.32
		64QAM	0.414	26.17
		256QAM	0.614	27.88
5 MHz	1712.5 ~ 1752.5	QPSK	0.621	27.93
		16QAM	0.546	27.37
		64QAM	0.407	26.1
		256QAM	0.207	23.17
10 MHz	1715 ~ 1750	QPSK	0.624	27.95
		16QAM	0.533	27.27
		64QAM	0.405	26.07
		256QAM	0.211	23.25
15 MHz	1717.5 ~ 1747.5	QPSK	0.615	27.89
		16QAM	0.540	27.32
		64QAM	0.412	26.15
		256QAM	0.208	23.18
20 MHz	1720 ~ 1745	QPSK	0.625	27.96
		16QAM	0.541	27.33
		64QAM	0.416	26.19
		256QAM	0.211	23.24

LTE Band 5

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)
1.4 MHz	824.7 ~ 848.3	QPSK	0.41	26.13
		16QAM	0.334	25.24
		64QAM	0.266	24.25
		256QAM	0.131	21.16
3 MHz	825.5 ~ 847.5	QPSK	0.406	26.09
		16QAM	0.346	25.39
		64QAM	0.271	24.33
		256QAM	0.132	21.2
5 MHz	826.5 ~ 846.5	QPSK	0.409	26.12
		16QAM	0.344	25.37
		64QAM	0.27	24.31
		256QAM	0.133	21.24
10 MHz	829 ~ 844	QPSK	0.412	26.15
		16QAM	0.346	25.39
		64QAM	0.274	24.38
		256QAM	0.133	21.25

LTE Band 7

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
5 MHz	2502.5 ~ 2567.5	QPSK	0.437	26.4
		16QAM	0.438	26.41
		64QAM	0.424	26.27
		256QAM	0.231	23.63
10 MHz	2505 ~ 2565	QPSK	0.437	26.4
		16QAM	0.44	26.43
		64QAM	0.43	26.33
		256QAM	0.229	23.6
15 MHz	2507.5 ~ 2562.5	QPSK	0.437	26.4
		16QAM	0.439	26.42
		64QAM	0.431	26.34
		256QAM	0.229	23.59
20 MHz	2510 ~ 2560	QPSK	0.445	26.48
		16QAM	0.442	26.45
		64QAM	0.431	26.34
		256QAM	0.231	23.64

LTE Band 12

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)
1.4 MHz	699.7 ~ 715.3	QPSK	0.393	25.94
		16QAM	0.318	25.03
		64QAM	0.254	24.04
		256QAM	0.127	21.03
3 MHz	700.5 ~ 714.5	QPSK	0.394	25.96
		16QAM	0.321	25.07
		64QAM	0.258	24.12
		256QAM	0.127	21.05
5 MHz	701.5 ~ 713.5	QPSK	0.393	25.94
		16QAM	0.329	25.17
		64QAM	0.261	24.16
		256QAM	0.127	21.03
10 MHz	704 ~ 711	QPSK	0.398	26
		16QAM	0.329	25.17
		64QAM	0.261	24.17
		256QAM	0.129	21.09

LTE Band 13

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)
5 MHz	779.5 ~ 784.5	QPSK	0.416	26.19
		16QAM	0.335	25.25
		64QAM	0.269	24.29
		256QAM	0.132	21.21
10 MHz	782	QPSK	0.422	26.25
		16QAM	0.34	25.31
		64QAM	0.27	24.31
		256QAM	0.132	21.22

LTE Band 14

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)
5 MHz	790.5 ~ 795.5	QPSK	0.372	25.71
		16QAM	0.338	25.29
		64QAM	0.257	24.1
		256QAM	0.129	21.09
10 MHz	793	QPSK	0.377	25.76
		16QAM	0.338	25.29
		64QAM	0.261	24.16
		256QAM	0.13	21.15

LTE Band 17

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)
5 MHz	706.5 ~ 713.5	QPSK	0.402	26.04
		16QAM	0.317	25.01
		64QAM	0.243	23.86
		256QAM	0.124	20.92
10 MHz	709 ~ 711	QPSK	0.403	26.05
		16QAM	0.318	25.03
		64QAM	0.245	23.9
		256QAM	0.124	20.92

LTE Band 25

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
1.4 MHz	1850.7 ~ 1914.3	QPSK	0.579	27.63
		16QAM	0.495	26.95
		64QAM	0.383	25.83
		256QAM	0.194	22.87
3 MHz	1851.5 ~ 1913.5	QPSK	0.585	27.67
		16QAM	0.501	27
		64QAM	0.387	25.88
		256QAM	0.196	22.93
5 MHz	1852.5 ~ 1912.5	QPSK	0.579	27.63
		16QAM	0.513	27.1
		64QAM	0.385	25.85
		256QAM	0.198	22.96
10 MHz	1855 ~ 1910	QPSK	0.585	27.67
		16QAM	0.512	27.09
		64QAM	0.386	25.87
		256QAM	0.194	22.88
15 MHz	1857.5 ~ 1907.5	QPSK	0.587	27.69
		16QAM	0.512	27.09
		64QAM	0.386	25.87
		256QAM	0.196	22.92
20 MHz	1860 ~ 1905	QPSK	0.587	27.69
		16QAM	0.513	27.1
		64QAM	0.388	25.89
		256QAM	0.198	22.96

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	0.39	25.91
		16QAM	0.313	24.95
		64QAM	0.246	23.91
		256QAM	0.122	20.87
3 MHz	815.5 ~ 822.5	QPSK	0.391	25.92
		16QAM	0.311	24.93
		64QAM	0.248	23.95
		256QAM	0.122	20.86
5 MHz	816.5 ~ 821.5	QPSK	0.389	25.9
		16QAM	0.312	24.94
		64QAM	0.249	23.96
		256QAM	0.122	20.88
10 MHz	819	QPSK	0.392	25.93
		16QAM	0.308	24.89
		64QAM	0.244	23.88
		256QAM	0.121	20.82

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	0.397	25.99
		16QAM	0.319	25.04
		64QAM	0.251	23.99
		256QAM	0.124	20.94
3 MHz	825.5 ~ 847.5	QPSK	0.394	25.95
		16QAM	0.316	24.99
		64QAM	0.252	24.01
		256QAM	0.123	20.9
5 MHz	826.5 ~ 846.5	QPSK	0.391	25.92
		16QAM	0.315	24.98
		64QAM	0.251	23.99
		256QAM	0.124	20.95
10 MHz	829 ~ 844	QPSK	0.393	25.94
		16QAM	0.319	25.04
		64QAM	0.253	24.03
		256QAM	0.124	20.94
15 MHz	831.5 ~ 841.5	QPSK	0.398	26
		16QAM	0.32	25.05
		64QAM	0.255	24.07
		256QAM	0.124	20.95

LTE Band 30

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
5 MHz	2307.5 ~ 2312.5	QPSK	0.24	23.81
		16QAM	0.229	23.60
		64QAM	0.232	23.65
		256QAM	0.206	23.13
10 MHz	2310	QPSK	0.242	23.84
		16QAM	0.23	23.61
		64QAM	0.232	23.66
		256QAM	0.206	23.13

LTE Band 38: PC2

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
5 MHz	2572.5 ~ 2617.5	QPSK	0.863	29.36
		16QAM	0.865	29.37
		64QAM	0.871	29.4
		256QAM	0.451	26.54
10 MHz	2575 ~ 2615	QPSK	0.867	29.38
		16QAM	0.865	29.37
		64QAM	0.867	29.38
		256QAM	0.452	26.55
15 MHz	2577.5 ~ 2612.5	QPSK	0.871	29.4
		16QAM	0.867	29.38
		64QAM	0.869	29.39
		256QAM	0.451	26.54
20 MHz	2580 ~ 2610	QPSK	0.877	29.43
		16QAM	0.871	29.4
		64QAM	0.873	29.41
		256QAM	0.459	26.62

LTE Band 38: PC3

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
5 MHz	2572.5 ~ 2617.5	QPSK	0.460	26.63
		16QAM	0.360	25.56
		64QAM	0.286	24.56
		256QAM	0.136	21.35
10 MHz	2575 ~ 2615	QPSK	0.458	26.61
		16QAM	0.356	25.51
		64QAM	0.290	24.62
		256QAM	0.136	21.33
15 MHz	2577.5 ~ 2612.5	QPSK	0.455	26.58
		16QAM	0.356	25.52
		64QAM	0.288	24.59
		256QAM	0.136	21.32
20 MHz	2580 ~ 2610	QPSK	0.462	26.65
		16QAM	0.364	25.61
		64QAM	0.292	24.65
		256QAM	0.137	21.38

LTE Band 41: PC2

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
5 MHz	2498.5 ~ 2687.5	QPSK	1.213	30.84
		16QAM	0.929	29.68
		64QAM	0.741	28.7
		256QAM	0.352	25.46
10 MHz	2501 ~ 2685	QPSK	1.194	30.77
		16QAM	0.931	29.69
		64QAM	0.750	28.75
		256QAM	0.354	25.49
15 MHz	2503.5 ~ 2682.5	QPSK	1.194	30.77
		16QAM	0.931	29.69
		64QAM	0.735	28.66
		256QAM	0.354	25.49
20 MHz	2506 ~ 2680	QPSK	1.216	30.85
		16QAM	0.935	29.71
		64QAM	0.750	28.75
		256QAM	0.356	25.51

LTE Band 41: PC3

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
5 MHz	2498.5 ~ 2687.5	QPSK	0.676	28.3
		16QAM	0.520	27.16
		64QAM	0.414	26.17
		256QAM	0.195	22.89
10 MHz	2501 ~ 2685	QPSK	0.679	28.32
		16QAM	0.518	27.14
		64QAM	0.413	26.16
		256QAM	0.193	22.86
15 MHz	2503.5 ~ 2682.5	QPSK	0.676	28.3
		16QAM	0.514	27.11
		64QAM	0.415	26.18
		256QAM	0.193	22.86
20 MHz	2506 ~ 2680	QPSK	0.682	28.34
		16QAM	0.520	27.16
		64QAM	0.416	26.19
		256QAM	0.195	22.9

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	0.452	26.55
		16QAM	0.361	25.58
		64QAM	0.29	24.63
		256QAM	0.145	21.62
10 MHz	3455 ~ 3545	QPSK	0.446	26.49
		16QAM	0.362	25.59
		64QAM	0.293	24.67
		256QAM	0.145	21.60
15 MHz	3457.5 ~ 3542.5	QPSK	0.453	26.56
		16QAM	0.36	25.56
		64QAM	0.295	24.70
		256QAM	0.145	21.62
20 MHz	3460 ~ 3540	QPSK	0.455	26.58
		16QAM	0.364	25.61
		64QAM	0.296	24.71
		256QAM	0.147	21.67

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	0.184	22.64
		16QAM	0.182	22.59
		64QAM	0.185	22.67
		256QAM	0.131	21.16
10 MHz	3705 ~ 3795	QPSK	0.184	22.65
		16QAM	0.18	22.56
		64QAM	0.184	22.65
		256QAM	0.133	21.23
15 MHz	3707.5 ~ 3792.5	QPSK	0.185	22.68
		16QAM	0.179	22.54
		64QAM	0.185	22.68
		256QAM	0.131	21.18
20 MHz	3710 ~ 3790	QPSK	0.187	22.73
		16QAM	0.182	22.59
		64QAM	0.187	22.72
		256QAM	0.133	21.24

LTE Band 66

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. EIRP (W)	Max. EIRP (dBm)
1.4 MHz	1710.7 ~ 1779.3	QPSK	0.402	26.04
		16QAM	0.327	25.15
		64QAM	0.246	23.91
		256QAM	0.13	21.13
3 MHz	1711.5 ~ 1778.5	QPSK	0.412	26.15
		16QAM	0.333	25.23
		64QAM	0.253	24.03
		256QAM	0.129	21.11
5 MHz	1712.5 ~ 1777.5	QPSK	0.406	26.09
		16QAM	0.33	25.19
		64QAM	0.252	24.02
		256QAM	0.128	21.07
10 MHz	1715 ~ 1775	QPSK	0.407	26.1
		16QAM	0.334	25.24
		64QAM	0.253	24.03
		256QAM	0.129	21.09
15 MHz	1717.5 ~ 1772.5	QPSK	0.406	26.09
		16QAM	0.334	25.24
		64QAM	0.251	23.99
		256QAM	0.127	21.04
20 MHz	1720 ~ 1770	QPSK	0.414	26.17
		16QAM	0.337	25.28
		64QAM	0.254	24.05
		256QAM	0.13	21.14

LTE Band 71

Bandwidth	TX Frequency Range (MHz)	Modulation	Max. ERP (W)	Max. ERP (dBm)
5 MHz	665.5 ~ 695.5	QPSK	0.394	25.96
		16QAM	0.335	25.25
		64QAM	0.269	24.3
		256QAM	0.13	21.14
10 MHz	668 ~ 693	QPSK	0.395	25.97
		16QAM	0.334	25.24
		64QAM	0.269	24.29
		256QAM	0.13	21.15
15 MHz	670.5 ~ 690.5	QPSK	0.399	26.01
		16QAM	0.337	25.28
		64QAM	0.269	24.29
		256QAM	0.13	21.15
20 MHz	673 ~ 688	QPSK	0.401	26.03
		16QAM	0.339	25.3
		64QAM	0.27	24.31
		256QAM	0.132	21.2

5. The EUT uses following accessories.

Item	Brand	Model	Specification
AC Adapter	Asian Power Devices Inc.	WB-24M12R	AC Input: 100-240V~50-60Hz 0.7A Max DC Output: 12.0V=2.0A 24.0W DC Output Cable: 1.5m, non-shielded
POE	Phihong	POE29U-1AT(PL)	AC Input: 100-240V~0.8A 50-60Hz DC Output: 56V=0.536A, 30W
Power Cable	-	-	Signal Line: 1m

6. For detailed information about each WWAN bands frequency range, bandwidth mode of the product, please refer to section 3.3 of the report.

7. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

3.2 Antenna Description of EUT

1. The antenna information is listed as below.

Antenna	Antenna Type	Brand	Mdoel	Connector Type
Internal-1	Monopole	SPEED	F-0Q-CT-6006-001-00	ipex(MHF)
Internal-2	Monopole	SPEED	F-0Q-CT-6006-002-00	ipex(MHF)
Internal-3	Monopole	SPEED	F-0Q-CT-6006-003-00	ipex(MHF)
Internal-4	Monopole	SPEED	F-0Q-CT-6006-004-00	ipex(MHF)
External	Dipole	Maxtena	MEA-4IN1-5G-SM	SMA

Band	Frequency Range (MHz)	Gain (dBi)				
		Monopole Antenna				Dipole Antenna
		Internal-1	Internal-2	Internal-3	Internal-4	
B2	1850-1910	4.60	4.54	4.36	4.11	5
B4	1710-1755	4.01	4.83	3.66	3.64	5
B5	824-849	1.71	1.04	2.41	1.77	5
B7	2500-2570	3.08	3.35	5.00	4.27	5
B12	699-716	1.59	1.52	1.53	-0.18	5
B13	777-787	2.18	1.56	2.12	1.51	5
B14	788-798	2.10	1.40	2.68	1.46	5
B17	704-716	1.59	1.52	1.53	-0.27	5
B25	1850-1915	4.60	4.54	4.43	4.13	5
B26	814-849	1.97	1.04	2.60	1.77	5
B30	2305-2315	2.61	3.69	4.90	3.72	5
B38	2570-2620	3.14	2.89	4.91	4.12	5
B41	2496-2690	3.81	3.35	5.00	4.27	5
B42	3450-3600	3.45	4.41	5.94	4.73	5
B43	3600-3800	3.53	3.72	5.31	3.33	5
B48	3550-3700	3.29	4.00	5.68	4.35	5
B66	1710-1780	4.01	4.83	3.74	3.64	5
B71	663-698	1.65	1.38	2.85	0.22	5

* Internal Antenna: Main antenna (worst case): Internal-1 for LTE Band 2, 4, 5, 7, 12, 13, 14, 17, 25, 26, 30,38,41, 66, 71
Internal-3 for LTE Band 42, 43, 48

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

3.3 Test Mode Applicability and Tested Channel Detail

Pre-Scan:	1. EUT can be used in the following ways: X-axis/ Y-axis/ Z-axis. Pre-scan these ways and find the worst case as a representative test condition. 2. EUT has support multiple power sources: AC Adapter / POE Adapter. Pre-scan these sources and find the worst case as a representative test condition.
Worst Case:	1. X-axis/ Y-axis/ Z-axis Worst Condition: Z-axis. 2. Tthe test item the worst condition of power sources: POE

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

3.3.1 LTE Band 2

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	A, B	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
EUT Configure Mode	A	Internal Ant with plastic bracket			
	B	External Ant with Metal bracket			

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

3.3.2 LTE Band 4

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	A, B	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
EUT Configure Mode	A	Internal Ant with plastic bracket			
	B	External Ant with Metal bracket			

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

3.3.3 LTE Band 5

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	A, B	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
EUT Configure Mode	A	Internal Ant with plastic bracket			
	B	External Ant with Metal bracket			

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

3.3.4 LTE Band 7

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	A, B	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	A, B	21100(2535.00 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	A, B	21100(2535.00 MHz)	20 MHz	QPSK	1 RB
EUT Configure Mode	A	Internal Ant with plastic bracket			
	B	External Ant with Metal bracket			

3.3.5 LTE Band 12

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	A, B	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	A, B	23095(707.50 MHz)	10 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	A, B	23095(707.50 MHz)	10 MHz	QPSK	1 RB
EUT Configure Mode	A	Internal Ant with plastic bracket			
	B	External Ant with Metal bracket			

3.3.6 LTE Band 13

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	A, B	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	A, B	23230(782.00 MHz)	10 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	A, B	23230(782.00 MHz)	10 MHz	QPSK	1 RB
EUT Configure Mode	A	Internal Ant with plastic bracket			
	B	External Ant with Metal bracket			

3.3.7 LTE Band 14

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	A, B	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	A, B	23330(793.00 MHz)	10 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	A, B	23330(793.00 MHz)	10 MHz	QPSK	1 RB
EUT Configure Mode	A	Internal Ant with plastic bracket			
	B	External Ant with Metal bracket			

3.3.8 LTE Band 17

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	A, B	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	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	A, B	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	A, B	26365(1882.50 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	A, B	26365(1882.50 MHz)	20 MHz	QPSK	1 RB
EUT Configure Mode	A	Internal Ant with plastic bracket			
	B	External Ant with Metal bracket			

3.3.10 LTE Band 26 (814 MHz ~ 824 MHz)

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	A, B	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	A, B	26740(819.00 MHz)	10 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	A, B	26740(819.00 MHz)	10 MHz	QPSK	1 RB
EUT Configure Mode	A	Internal Ant with plastic bracket			
	B	External Ant with Metal bracket			

3.3.11 LTE Band 26 (824 MHz ~ 849 MHz)

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	A, B	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	A, B	26915(836.50 MHz)	5 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	A, B	26915(836.50 MHz)	5 MHz	QPSK	1 RB
EUT Configure Mode	A	Internal Ant with plastic bracket			
	B	External Ant with Metal bracket			

3.3.12 LTE Band 30

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	A, B	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	A, B	27710(2310.00 MHz)	10 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	A, B	27710(2310.00 MHz)	10 MHz	QPSK	1 RB
EUT Configure Mode	A	Internal Ant with plastic bracket			
	B	External Ant with Metal bracket			

3.3.13 LTE Band 38

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	A, B	37775(2572.50 MHz) 38000(2595.00 MHz) 38225(2617.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
		37800(2575.00 MHz) 38000(2595.00 MHz) 38200(2615.00 MHz)	10 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
		37825(2577.50 MHz) 38000(2595.00 MHz) 38175(2612.50 MHz)	15 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
		37850(2580.00 MHz) 38000(2595.00 MHz) 38150(2610.00 MHz)	20 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
EUT Configure Mode	A	Internal Ant with plastic bracket			
	B	External Ant with Metal bracket			

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

3.3.14 LTE Band 41

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	A, B	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	A, B	41490(2680.00 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	A, B	41490(2680.00 MHz)	20 MHz	QPSK	1 RB
EUT Configure Mode	A	Internal Ant with plastic bracket			
	B	External Ant with Metal bracket			

3.3.15 LTE Band 42 (3.45 GHz ~ 3.55 GHz)

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	A, B	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	A, B	42590(3500.00 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	A, B	42590(3500.00 MHz)	20 MHz	QPSK	1 RB
EUT Configure Mode	A	Internal Ant with plastic bracket			
	B	External Ant with Metal bracket			

3.3.16 LTE Band 43 (3.7 GHz ~ 3.8 GHz)

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	A, B	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	A, B	45090(3750.00 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	A, B	45090(3750.00 MHz)	20 MHz	QPSK	1 RB
EUT Configure Mode	A	Internal Ant with plastic bracket			
	B	External Ant with Metal bracket			

3.3.17 LTE Band 66

Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Equivalent Isotropically Radiated Power	A, B	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	A, B	132322(1745.00 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	A, B	132322(1745.00 MHz)	20 MHz	QPSK	1 RB
EUT Configure Mode	A	Internal Ant with plastic bracket			
	B	External Ant with Metal bracket			

3.3.18 LTE Band 71

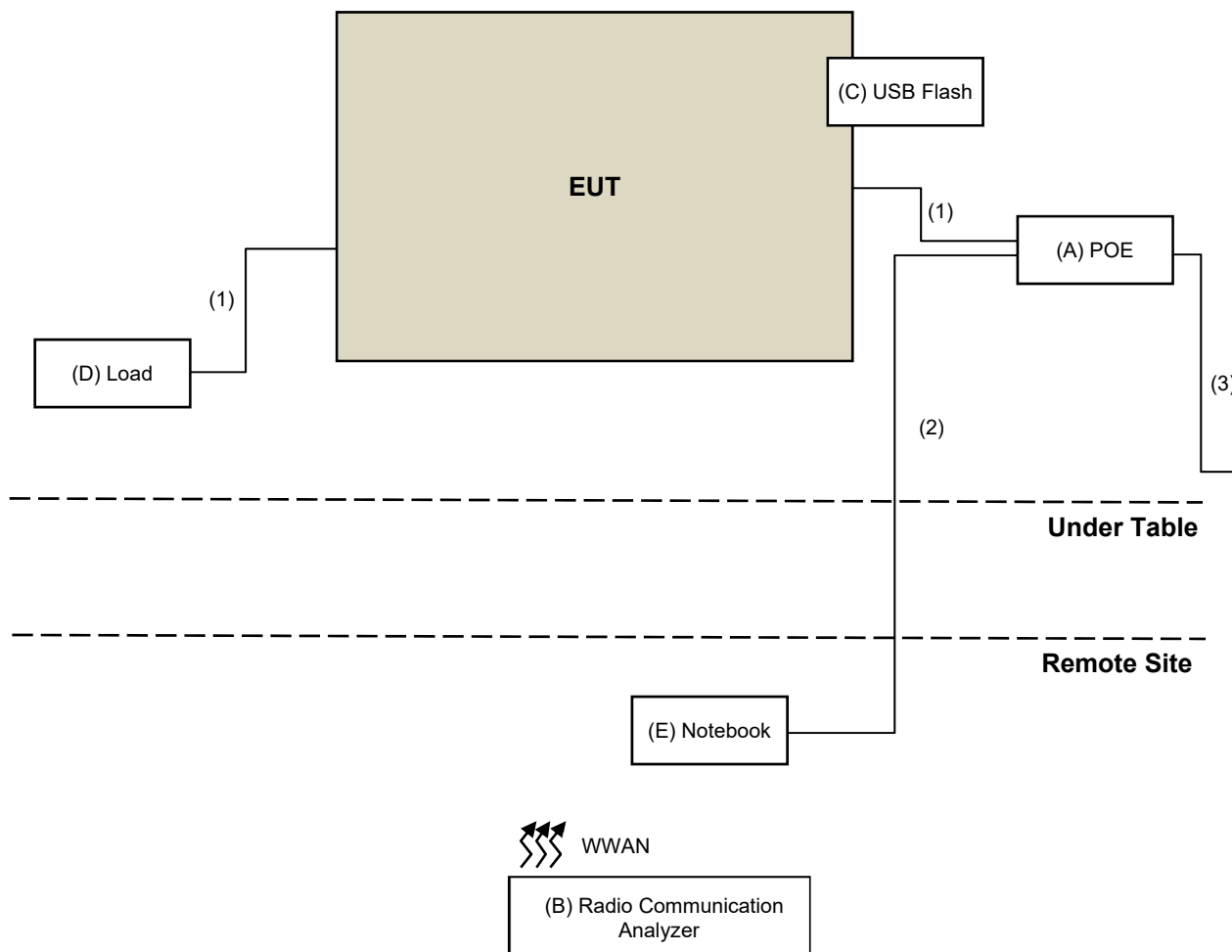
Test Item	EUT Configure Mode	Tested Channel	Channel Bandwidth	Modulation	Mode
Effective Radiated Power	A, B	133147(665.50 MHz) 133297(680.50 MHz) 133447(695.50 MHz)	5 MHz	QPSK / 16QAM / 64QAM / 256QAM	1 RB Half RB Full RB
		133172(668.00 MHz) 133297(680.50 MHz) 133422(693.00 MHz)	10 MHz	QPSK / 16QAM / 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	A, B	133297(680.50 MHz)	20 MHz	QPSK	1 RB
Radiated Spurious Emissions above 1GHz	A, B	133297(680.50 MHz)	20 MHz	QPSK	1 RB
EUT Configure Mode	A	Internal Ant with plastic bracket			
	B	External Ant with Metal bracket			

3.4 Test Program Used and Operation Descriptions

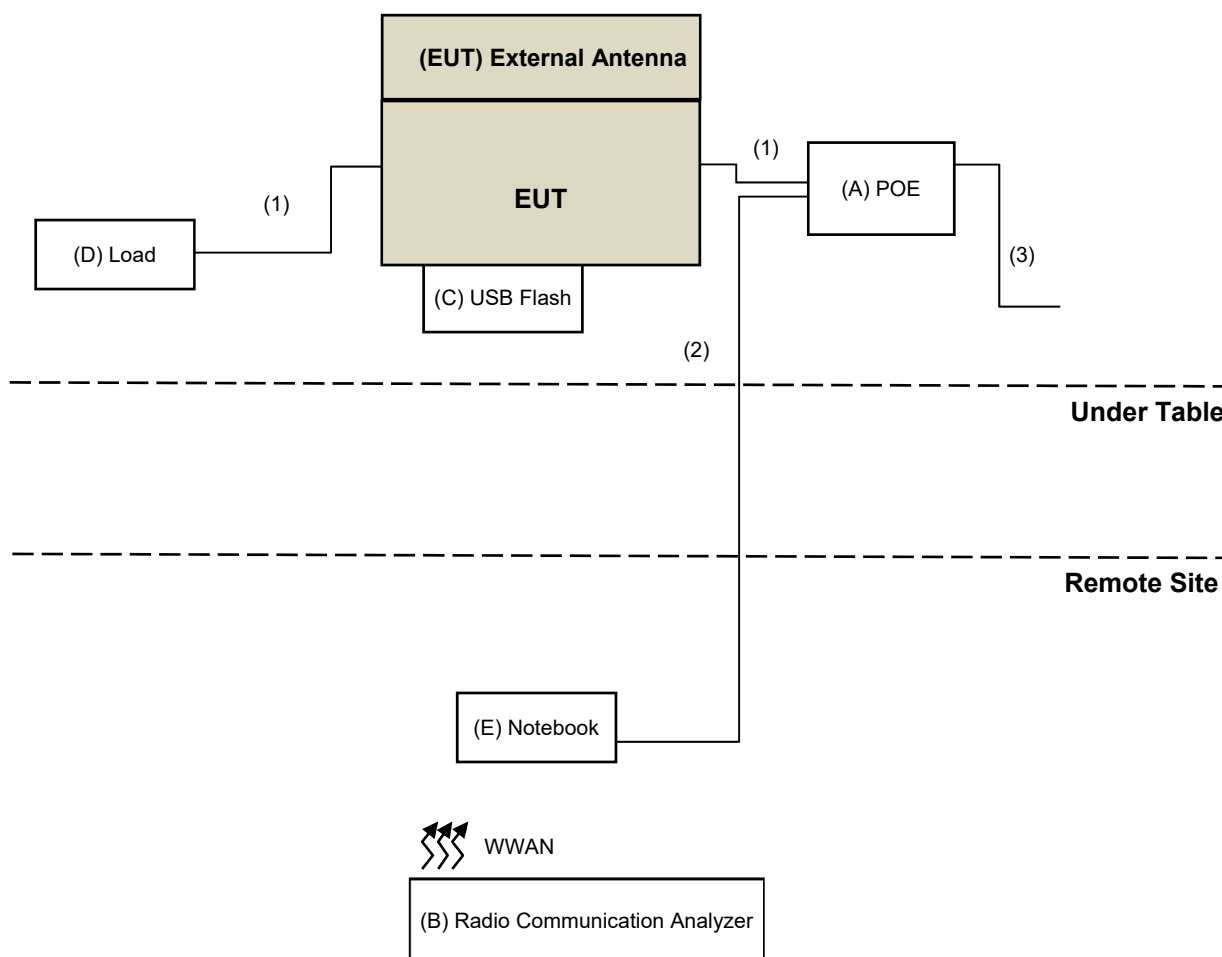
Set the EUT under transmission condition continuously at specific channel frequency.

3.5 Connection Diagram of EUT and Peripheral Devices

Internal Ant



External Ant



3.6 Configuration of Peripheral Devices and Cable Connections

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A	POE	Phihong	POE29U-1AT(PL)	N/A	N/A	Accessory of EUT
B	Radio Communication Analyzer	Anritsu	MT8821C	6201462755	N/A	Provided by Lab
C	USB Flash	SanDisk	SDDDC3	BM220358356W	N/A	Provided by Lab
D	Load	N/A	N/A	N/A	N/A	Provided by Lab
E	Notebook	Lenovo	L470	N/A	N/A	Provided by Lab

ID	Cable Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1	RJ-45 Cable	2	1	No	0	Provided by Lab
2	RJ-45 Cable	1	10	No	0	Provided by Lab
3	AC Cable	1	1	No	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
Radio Communication Analyzer Anritsu	MT8821C	6201462755	2025/4/8	2026/4/7
Software BV	ADT_RF Test Software V7.6.5.4	N/A	N/A	N/A

Notes:

1. The test was performed in HY - Oven room(Hwaya).
2. Tested Date: 2026/3/23

4.2 Radiated Spurious Emissions below 1GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower Max-Full	MFT-151SS-0.5T	N/A	N/A	N/A
Bi_Log Antenna Schwarzbeck	VULB 9168	9168-1213	2025/9/18	2026/9/17
Loop Antenna TESEQ	HLA 6121	45745	2025/9/1	2026/8/31
MXE EMI Receiver Keysight	N9038B	MY60180019	2026/1/14	2027/1/13
Preamplifier EMCI	EMC330N	980782	2026/1/13	2027/1/12
RF Coaxial Cable EMCI	EMCCFD400-NM-NM-500	201233	2026/1/13	2027/1/12
	EMCCFD400-NM-NM-3000	201235	2026/1/13	2027/1/12
	EMCCFD400-NM-NM-9000	201236(with PAD)	2026/1/13	2027/1/12
Signal & Spectrum Analyzer R&S	FSW43	101867	2026/2/11	2027/2/10
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table Max-Full	MF-7802BS	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802BS	MF780208674	N/A	N/A

Notes:

1. The test was performed in WM - 966 chamber 8(Wenming).
2. Tested Date: 2026/2/23 ~ 2026/2/24

4.3 Radiated Spurious Emissions above 1GHz

Description Manufacturer	Model No.	Serial No.	Calibrated Date	Calibrated Until
Antenna Tower Max-Full	MFT-151SS-0.5T	N/A	N/A	N/A
Horn Antenna RFSPIN	DRH18-E	210103A18E	2025/11/9	2026/11/8
Horn Antenna Schwarzbeck	BBHA 9170	9170-1049	2025/11/9	2026/11/8
MXE EMI Receiver Keysight	N9038B	MY60180019	2025/1/15	2026/1/14
Preamplifier EMCI	EMC118A45SE	980808	2025/12/24	2026/12/23
	EMC184045SE	980788	2025/1/14	2026/1/13
RF Coaxial Cable EMCI	EMC101G-KM-KM-2000	201254	2025/1/14	2026/1/13
		201255	2025/1/14	2026/1/13
	EMC101G-KM-KM-5000	201261	2025/1/14	2026/1/13
	EMC104-SM-SM-1000	210102	2025/1/14	2026/1/13
	EMC104-SM-SM-3000	201231	2025/1/14	2026/1/13
	EMC104-SM-SM-9000	201243	2025/1/14	2026/1/13
Signal & Spectrum Analyzer R&S	FSW43	101867	2025/2/18	2026/2/17
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	N/A	N/A	N/A
Turn Table Max-Full	MF-7802BS	N/A	N/A	N/A
Turn Table Controller Max-Full	MF-7802BS	MF780208674	N/A	N/A

Notes:

1. The test was performed in WM - 966 chamber 8(Wenming).
2. Tested Date: 2026/1/9 ~ 2026/1/12

5 Limits of Test Items

5.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

For LTE Band 2, LTE Band 25:

Mobile and portable stations are limited to 2 watts EIRP.

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 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 7, LTE Band 38, LTE Band 41:

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

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

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

For LTE Band 13:

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

For LTE Band 14:

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

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

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

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

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

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

Mobile and portable stations are limited to 1 Watt EIRP.

5.2 Radiated Spurious Emissions below 1GHz

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 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 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 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 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 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 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.

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 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.

5.3 Radiated Spurious Emissions above 1GHz

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 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 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 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 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 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 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.

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 66:

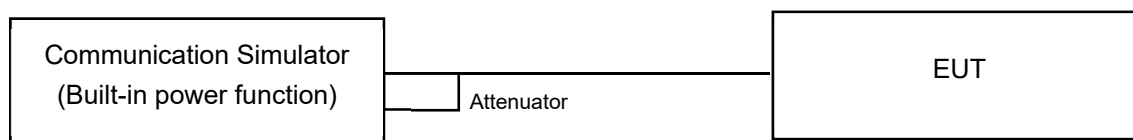
According to FCC 47 CFR part 27.53(h), for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log (P)$ dB. The limit of emission is equal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

6 Test Arrangements

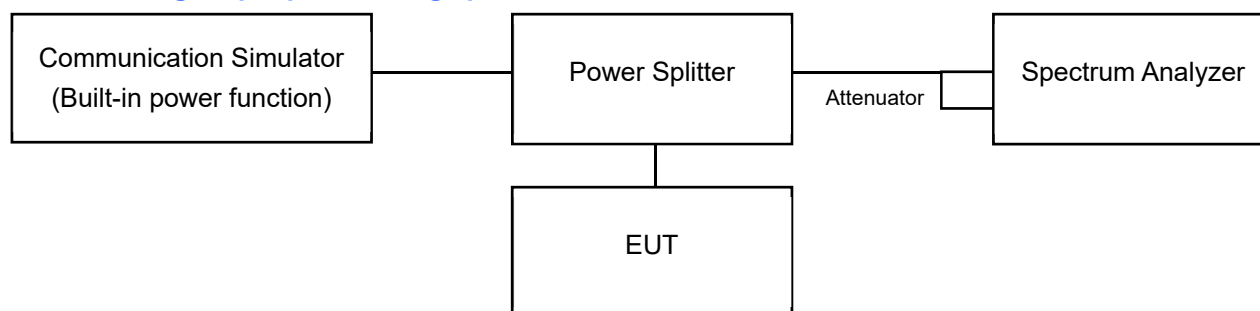
6.1 Effective Radiated Power and Equivalent Isotropically Radiated Power

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.

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

Maximum EIRP / ERP

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

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

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

where

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

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

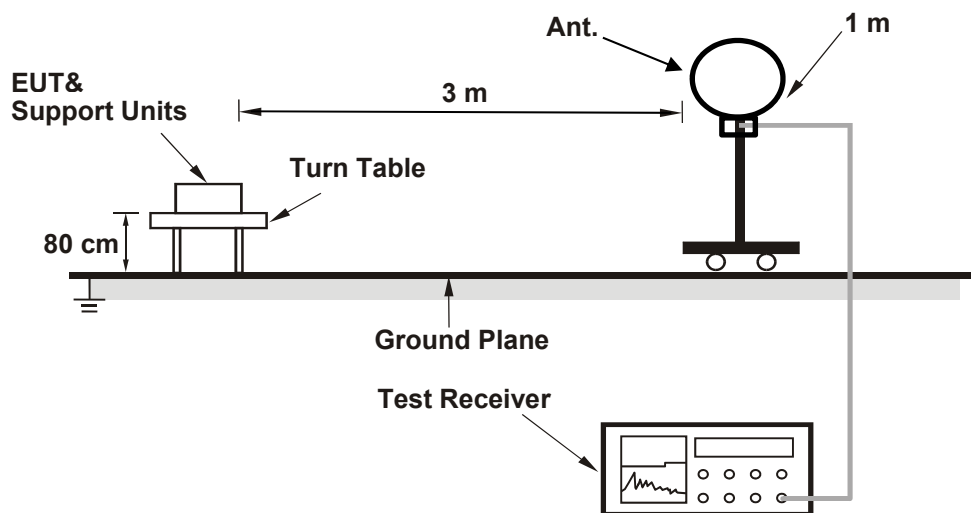
P_{Meas} measured transmitter output power or PSD, in dBm or dBW

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

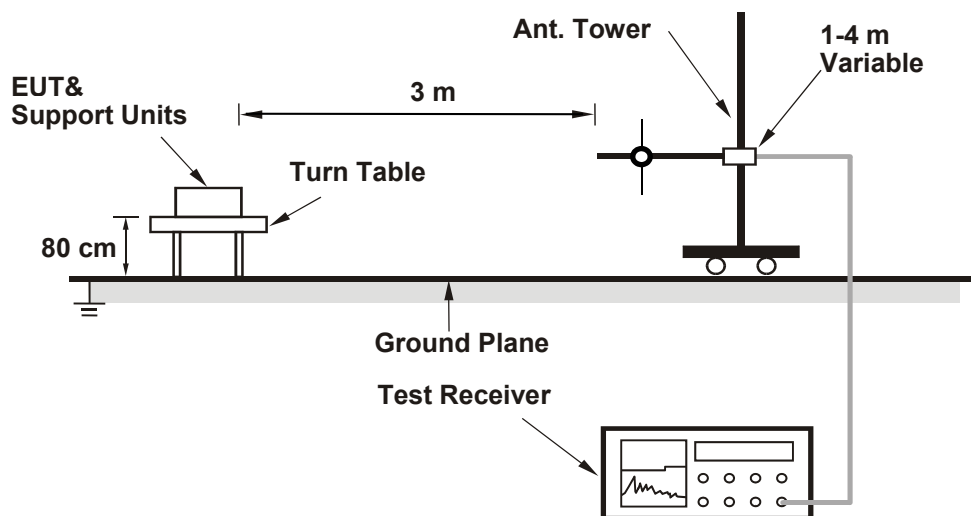
6.2 Radiated Spurious Emissions below 1GHz

6.2.1 Test Setup

For Radiated emission below 30 MHz



For Radiated emission above 30 MHz



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

6.2.2 Test Procedure

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

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

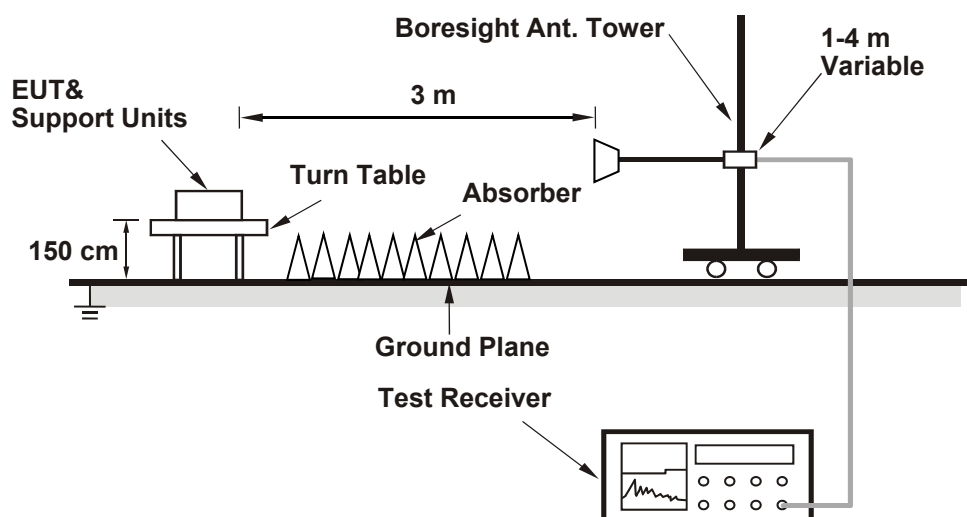
Note:

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

6.3 Radiated Spurious Emissions above 1GHz

6.3.1 Test Setup

For radiated emission above 1 GHz



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

6.3.2 Test Procedure

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

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

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	22.34	22.38	22.60
	1	2	22.40	22.34	22.64
	1	5	22.45	22.57	22.59
	3	0	22.54	22.65	22.62
	3	1	22.58	22.50	22.62
	3	3	22.43	22.46	22.55
	6	0	21.38	21.51	21.54
16QAM	1	0	21.88	21.88	21.97
	1	2	21.65	21.73	21.97
	1	5	21.64	21.73	21.75
	3	0	21.53	21.65	21.55
	3	1	21.47	21.57	21.49
	3	3	21.56	21.48	21.64
	6	0	20.55	20.48	20.62
64QAM	1	0	20.72	20.83	20.81
	1	2	20.69	20.70	20.60
	1	5	20.62	20.68	20.75
	3	0	20.42	20.57	20.56
	3	1	20.67	20.52	20.70
	3	3	20.46	20.61	20.62
	6	0	19.38	19.55	19.58
256QAM	1	0	17.76	17.82	17.91
	1	2	17.41	17.54	17.62
	1	5	17.43	17.48	17.58
	3	0	17.58	17.62	17.71
	3	1	17.30	17.45	17.56
	3	3	17.53	17.60	17.58
	6	0	17.47	17.46	17.63

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.38	22.65	25.98	27.25	33.01
16QAM	20.48	21.97	25.08	26.57	33.01
64QAM	19.38	20.83	23.98	25.43	33.01
256QAM	17.3	17.91	21.9	22.51	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	22.50	22.54	22.64
	1	7	22.39	22.53	22.60
	1	14	22.53	22.64	22.66
	8	0	21.62	21.71	21.77
	8	3	21.50	21.60	21.70
	8	7	21.61	21.58	21.68
	15	0	21.51	21.64	21.68
16QAM	1	0	21.87	21.98	22.04
	1	7	21.82	21.88	21.99
	1	14	21.80	21.85	21.87
	8	0	20.61	20.64	20.64
	8	3	20.60	20.59	20.69
	8	7	20.61	20.62	20.62
	15	0	20.55	20.56	20.72
64QAM	1	0	20.87	20.84	20.86
	1	7	20.73	20.71	20.79
	1	14	20.78	20.81	20.82
	8	0	19.52	19.55	19.61
	8	3	19.65	19.72	19.64
	8	7	19.55	19.60	19.67
	15	0	19.47	19.60	19.68
256QAM	1	0	17.94	17.90	17.89
	1	7	17.55	17.58	17.70
	1	14	17.50	17.56	17.64
	8	0	17.61	17.67	17.70
	8	3	17.50	17.55	17.62
	8	7	17.59	17.63	17.69
	15	0	17.54	17.64	17.62

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.5	22.66	26.1	27.26	33.01
16QAM	20.55	22.04	25.15	26.64	33.01
64QAM	19.47	20.87	24.07	25.47	33.01
256QAM	17.5	17.94	22.1	22.54	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	22.45	22.54	22.61
	1	12	22.40	22.49	22.58
	1	24	22.55	22.68	22.62
	12	0	21.57	21.71	21.74
	12	6	21.54	21.66	21.67
	12	13	21.60	21.65	21.59
	25	0	21.57	21.55	21.67
16QAM	1	0	21.93	21.95	22.09
	1	12	21.84	21.87	21.92
	1	24	21.78	21.88	21.82
	12	0	20.58	20.70	20.66
	12	6	20.58	20.62	20.59
	12	13	20.63	20.72	20.63
	25	0	20.63	20.61	20.64
64QAM	1	0	20.81	20.88	20.87
	1	12	20.68	20.78	20.81
	1	24	20.69	20.78	20.83
	12	0	19.55	19.55	19.62
	12	6	19.66	19.72	19.71
	12	13	19.55	19.61	19.66
	25	0	19.47	19.57	19.67
256QAM	1	0	17.89	17.92	17.90
	1	12	17.58	17.60	17.65
	1	24	17.57	17.62	17.59
	12	0	17.64	17.67	17.67
	12	6	17.47	17.57	17.62
	12	13	17.63	17.69	17.74
	25	0	17.55	17.57	17.63

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.54	22.68	26.14	27.28	33.01
16QAM	20.58	22.09	25.18	26.69	33.01
64QAM	19.47	20.88	24.07	25.48	33.01
256QAM	17.47	17.92	22.07	22.52	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	22.43	22.53	22.68
	1	24	22.39	22.47	22.65
	1	49	22.50	22.67	22.58
	25	0	21.64	21.75	21.68
	25	12	21.56	21.62	21.64
	25	25	21.55	21.65	21.63
	50	0	21.51	21.59	21.66
16QAM	1	0	21.92	21.92	22.05
	1	24	21.84	21.86	21.91
	1	49	21.78	21.84	21.88
	25	0	20.59	20.62	20.71
	25	12	20.58	20.64	20.67
	25	25	20.65	20.64	20.62
	50	0	20.58	20.59	20.72
64QAM	1	0	20.78	20.79	20.85
	1	24	20.70	20.74	20.73
	1	49	20.73	20.79	20.79
	25	0	19.50	19.55	19.63
	25	12	19.70	19.64	19.69
	25	25	19.50	19.57	19.68
	50	0	19.44	19.62	19.68
256QAM	1	0	17.90	17.90	17.97
	1	24	17.58	17.64	17.65
	1	49	17.60	17.59	17.59
	25	0	17.65	17.69	17.74
	25	12	17.44	17.60	17.58
	25	25	17.57	17.59	17.73
	50	0	17.59	17.66	17.64

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.51	22.68	26.11	27.28	33.01
16QAM	20.58	22.05	25.18	26.65	33.01
64QAM	19.44	20.85	24.04	25.45	33.01
256QAM	17.44	17.97	22.04	22.57	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	22.45	22.47	22.60
	1	37	22.47	22.53	22.61
	1	74	22.57	22.59	22.58
	36	0	21.66	21.70	21.72
	36	19	21.52	21.68	21.69
	36	39	21.59	21.62	21.62
	75	0	21.48	21.61	21.67
16QAM	1	0	21.86	21.93	22.10
	1	37	21.80	21.86	21.97
	1	74	21.74	21.88	21.88
	36	0	20.65	20.65	20.69
	36	19	20.64	20.59	20.62
	36	39	20.63	20.63	20.71
	75	0	20.60	20.62	20.65
64QAM	1	0	20.77	20.80	20.86
	1	37	20.72	20.80	20.71
	1	74	20.68	20.81	20.86
	36	0	19.58	19.58	19.70
	36	19	19.67	19.72	19.67
	36	39	19.54	19.65	19.72
	75	0	19.50	19.62	19.62
256QAM	1	0	17.88	17.89	17.91
	1	37	17.60	17.54	17.68
	1	74	17.54	17.63	17.63
	36	0	17.65	17.61	17.69
	36	19	17.47	17.60	17.59
	36	39	17.63	17.69	17.70
	75	0	17.57	17.67	17.67

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.48	22.61	26.08	27.21	33.01
16QAM	20.59	22.1	25.19	26.7	33.01
64QAM	19.5	20.86	24.1	25.46	33.01
256QAM	17.47	17.91	22.07	22.51	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	22.51	22.55	22.69
	1	50	22.47	22.57	22.66
	1	99	22.59	22.68	22.68
	50	0	21.66	21.75	21.78
	50	25	21.60	21.69	21.71
	50	50	21.62	21.65	21.68
	100	0	21.57	21.64	21.70
16QAM	1	0	21.96	22.02	22.11
	1	50	21.84	21.92	22.01
	1	99	21.81	21.88	21.91
	50	0	20.67	20.70	20.72
	50	25	20.67	20.68	20.69
	50	50	20.69	20.72	20.72
	100	0	20.64	20.66	20.73
64QAM	1	0	20.87	20.89	20.90
	1	50	20.78	20.80	20.81
	1	99	20.78	20.84	20.89
	50	0	19.59	19.62	19.70
	50	25	19.73	19.74	19.74
	50	50	19.59	19.65	19.73
	100	0	19.52	19.62	19.69
256QAM	1	0	17.94	17.94	17.97
	1	50	17.60	17.64	17.71
	1	99	17.60	17.66	17.69
	50	0	17.70	17.70	17.74
	50	25	17.52	17.62	17.64
	50	50	17.64	17.69	17.77
	100	0	17.62	17.67	17.71

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.57	22.69	26.17	27.29	33.01
16QAM	20.64	22.11	25.24	26.71	33.01
64QAM	19.52	20.9	24.12	25.5	33.01
256QAM	17.52	17.97	22.12	22.57	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	22.57	22.65	22.88
	1	2	22.67	22.61	22.86
	1	5	22.72	22.78	22.83
	3	0	22.78	22.89	22.83
	3	1	22.82	22.80	22.84
	3	3	22.66	22.70	22.83
	6	0	21.61	21.78	21.75
16QAM	1	0	22.15	22.12	22.19
	1	2	21.86	21.98	22.26
	1	5	21.92	21.98	21.96
	3	0	21.81	21.87	21.83
	3	1	21.75	21.85	21.73
	3	3	21.80	21.72	21.88
	6	0	20.76	20.72	20.89
64QAM	1	0	20.93	21.11	21.10
	1	2	20.91	20.91	20.88
	1	5	20.89	20.92	20.96
	3	0	20.71	20.85	20.82
	3	1	20.89	20.73	20.97
	3	3	20.69	20.89	20.86
	6	0	19.60	19.81	19.79
256QAM	1	0	18.00	18.11	18.21
	1	2	17.63	17.80	17.87
	1	5	17.65	17.73	17.88
	3	0	17.88	17.85	17.94
	3	1	17.56	17.68	17.80
	3	3	17.74	17.86	17.88
	6	0	17.77	17.68	17.89

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.61	22.89	25.62	26.9	30
16QAM	20.72	22.26	24.73	26.27	30
64QAM	19.6	21.11	23.61	25.12	30
256QAM	17.56	18.21	21.57	22.22	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	22.75	22.80	22.88
	1	7	22.60	22.79	22.82
	1	14	22.78	22.88	22.95
	8	0	21.85	21.93	22.03
	8	3	21.72	21.90	21.96
	8	7	21.91	21.80	21.98
	15	0	21.75	21.85	21.98
16QAM	1	0	22.15	22.21	22.32
	1	7	22.07	22.18	22.27
	1	14	22.03	22.12	22.09
	8	0	20.84	20.87	20.91
	8	3	20.84	20.81	20.93
	8	7	20.84	20.85	20.89
	15	0	20.81	20.82	20.94
64QAM	1	0	21.17	21.14	21.10
	1	7	20.94	20.96	21.06
	1	14	21.02	21.07	21.09
	8	0	19.77	19.82	19.91
	8	3	19.94	20.02	19.88
	8	7	19.83	19.82	19.90
	15	0	19.69	19.86	19.95
256QAM	1	0	18.20	18.14	18.17
	1	7	17.79	17.81	17.96
	1	14	17.78	17.77	17.86
	8	0	17.90	17.93	17.93
	8	3	17.74	17.84	17.90
	8	7	17.85	17.84	17.93
	15	0	22.75	22.80	22.88

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.72	22.95	25.73	26.96	30
16QAM	20.81	22.32	24.82	26.33	30
64QAM	19.69	21.17	23.7	25.18	30
256QAM	17.74	22.88	21.75	26.89	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	22.73	22.78	22.91
	1	12	22.70	22.75	22.79
	1	24	22.84	22.93	22.92
	12	0	21.79	21.99	21.99
	12	6	21.77	21.92	21.88
	12	13	21.85	21.93	21.86
	25	0	21.78	21.77	21.96
16QAM	1	0	22.15	22.19	22.37
	1	12	22.06	22.08	22.14
	1	24	22.07	22.13	22.10
	12	0	20.83	21.00	20.91
	12	6	20.78	20.86	20.82
	12	13	20.93	20.98	20.88
	25	0	20.90	20.83	20.93
64QAM	1	0	21.07	21.10	21.08
	1	12	20.96	21.07	21.08
	1	24	20.98	21.02	21.10
	12	0	19.83	19.76	19.84
	12	6	19.90	19.93	19.91
	12	13	19.78	19.89	19.93
	25	0	19.69	19.86	19.94
256QAM	1	0	18.17	18.14	18.14
	1	12	17.85	17.82	17.88
	1	24	17.79	17.85	17.88
	12	0	17.87	17.89	17.90
	12	6	17.68	17.84	17.91
	12	13	17.85	17.97	17.95
	25	0	17.84	17.84	17.87

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.77	22.93	25.78	26.94	30
16QAM	20.78	22.37	24.79	26.38	30
64QAM	19.69	21.1	23.7	25.11	30
256QAM	17.68	18.17	21.69	22.18	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	22.68	22.83	22.95
	1	24	22.65	22.76	22.88
	1	49	22.77	22.91	22.79
	25	0	21.89	22.00	21.97
	25	12	21.79	21.92	21.85
	25	25	21.81	21.94	21.90
	50	0	21.72	21.82	21.91
16QAM	1	0	22.17	22.13	22.27
	1	24	22.10	22.16	22.12
	1	49	22.08	22.08	22.12
	25	0	20.89	20.92	20.94
	25	12	20.87	20.90	20.96
	25	25	20.90	20.90	20.90
	50	0	20.85	20.89	21.02
64QAM	1	0	21.02	21.07	21.06
	1	24	20.93	21.04	21.01
	1	49	20.98	21.03	21.03
	25	0	19.80	19.76	19.86
	25	12	20.00	19.85	19.93
	25	25	19.76	19.82	19.91
	50	0	19.69	19.87	19.90
256QAM	1	0	18.16	18.17	18.25
	1	24	17.85	17.86	17.95
	1	49	17.84	17.86	17.87
	25	0	17.95	17.97	17.97
	25	12	17.66	17.89	17.83
	25	25	17.79	17.89	18.00
	50	0	17.85	17.90	17.86

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.72	22.95	25.73	26.96	30
16QAM	20.85	22.27	24.86	26.28	30
64QAM	19.69	21.07	23.7	25.08	30
256QAM	17.66	18.25	21.67	22.26	30

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

LTE Band 4, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20025	CH 20175	CH 20325
			1717.5 MHz	1732.5 MHz	1747.5 MHz
QPSK	1	0	22.68	22.73	22.89
	1	37	22.72	22.79	22.85
	1	74	22.79	22.83	22.87
	36	0	21.87	22.00	21.93
	36	19	21.73	21.93	21.94
	36	39	21.83	21.88	21.86
	75	0	21.73	21.84	21.89
16QAM	1	0	22.15	22.15	22.32
	1	37	22.03	22.13	22.19
	1	74	22.04	22.10	22.12
	36	0	20.95	20.86	20.91
	36	19	20.87	20.84	20.84
	36	39	20.87	20.89	21.00
	75	0	20.82	20.85	20.87
64QAM	1	0	21.04	21.09	21.15
	1	37	20.99	21.08	20.99
	1	74	20.95	21.03	21.12
	36	0	19.80	19.79	19.94
	36	19	19.95	19.97	19.96
	36	39	19.83	19.92	19.97
	75	0	19.71	19.88	19.87
256QAM	1	0	18.16	18.17	18.18
	1	37	17.84	17.80	17.96
	1	74	17.75	17.91	17.90
	36	0	17.93	17.89	17.92
	36	19	17.73	17.82	17.85
	36	39	17.89	17.90	17.94
	75	0	17.83	17.90	17.93

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.73	22.89	25.74	26.9	30
16QAM	20.82	22.32	24.83	26.33	30
64QAM	19.71	21.15	23.72	25.16	30
256QAM	17.73	18.18	21.74	22.19	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	22.80	22.79	22.96
	1	50	22.77	22.79	22.92
	1	99	22.87	22.95	22.93
	50	0	21.96	22.04	22.06
	50	25	21.83	21.96	21.96
	50	50	21.90	21.87	21.89
	100	0	21.79	21.92	21.92
16QAM	1	0	22.19	22.26	22.33
	1	50	22.11	22.18	22.29
	1	99	22.05	22.13	22.18
	50	0	20.94	20.95	20.99
	50	25	20.92	20.95	20.98
	50	50	20.91	20.99	20.95
	100	0	20.88	20.93	20.99
64QAM	1	0	21.16	21.19	21.18
	1	50	21.06	21.05	21.08
	1	99	21.07	21.10	21.16
	50	0	19.83	19.92	20.00
	50	25	20.03	20.01	19.95
	50	50	19.89	19.94	19.97
	100	0	19.74	19.92	19.91
256QAM	1	0	18.22	18.15	18.24
	1	50	17.86	17.91	17.92
	1	99	17.87	17.87	17.90
	50	0	17.98	17.97	18.03
	50	25	17.82	17.89	17.89
	50	50	17.86	17.97	18.05
	100	0	17.92	17.97	17.92

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.79	22.96	25.8	26.97	30
16QAM	20.88	22.33	24.89	26.34	30
64QAM	19.74	21.19	23.75	25.2	30
256QAM	17.82	18.24	21.83	22.25	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	23.28	23.07	23.01
	1	2	23.04	22.93	22.95
	1	5	23.06	23.02	22.86
	3	0	23.19	23.08	22.94
	3	1	23.18	23.07	23.06
	3	3	23.25	23.22	23.04
	6	0	22.33	22.18	22.12
16QAM	1	0	22.30	22.30	22.33
	1	2	22.39	22.27	22.30
	1	5	22.39	22.31	22.25
	3	0	22.21	22.19	22.17
	3	1	22.20	22.20	22.04
	3	3	22.30	22.30	22.03
	6	0	21.24	21.31	21.19
64QAM	1	0	21.40	21.30	21.21
	1	2	21.33	21.38	21.28
	1	5	21.18	21.09	21.05
	3	0	21.22	21.22	21.13
	3	1	21.17	21.21	21.13
	3	3	21.28	21.22	21.09
	6	0	20.29	20.25	20.17
256QAM	1	0	18.25	18.15	18.22
	1	2	18.31	18.17	18.19
	1	5	18.19	18.11	17.99
	3	0	18.19	18.20	18.13
	3	1	18.20	18.25	18.28
	3	3	18.22	18.26	18.09
	6	0	18.22	18.31	18.11

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.12	23.28	21.68	22.84	38.45
16QAM	21.19	22.39	20.75	21.95	38.45
64QAM	20.17	21.4	19.73	20.96	38.45
256QAM	17.99	18.31	17.55	17.87	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	23.24	23.16	23.09
	1	7	23.16	23.08	23.02
	1	14	23.18	23.13	22.97
	8	0	22.36	22.26	22.19
	8	3	22.26	22.16	22.21
	8	7	22.28	22.17	22.12
	15	0	22.33	22.22	22.15
16QAM	1	0	22.54	22.36	22.33
	1	7	22.50	22.47	22.36
	1	14	22.45	22.41	22.31
	8	0	21.30	21.30	21.25
	8	3	21.27	21.22	21.19
	8	7	21.37	21.23	21.21
	15	0	21.27	21.28	21.26
64QAM	1	0	21.46	21.48	21.39
	1	7	21.37	21.34	21.29
	1	14	21.22	21.10	21.09
	8	0	20.34	20.30	20.24
	8	3	20.31	20.22	20.26
	8	7	20.25	20.26	20.19
	15	0	20.33	20.33	20.22
256QAM	1	0	18.31	18.30	18.31
	1	7	18.31	18.32	18.24
	1	14	18.21	18.12	18.13
	8	0	18.34	18.15	18.18
	8	3	18.33	18.34	18.34
	8	7	18.21	18.26	18.21
	15	0	18.35	18.30	18.27

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.12	23.24	21.68	22.8	38.45
16QAM	21.19	22.54	20.75	22.1	38.45
64QAM	20.19	21.48	19.75	21.04	38.45
256QAM	18.12	18.35	17.68	17.91	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	23.27	23.11	23.14
	1	12	23.20	23.08	23.03
	1	24	23.19	23.10	23.03
	12	0	22.32	22.21	22.18
	12	6	22.23	22.18	22.16
	12	13	22.25	22.20	22.16
	25	0	22.29	22.22	22.15
16QAM	1	0	22.48	22.36	22.34
	1	12	22.52	22.40	22.45
	1	24	22.45	22.41	22.28
	12	0	21.31	21.32	21.30
	12	6	21.27	21.28	21.18
	12	13	21.29	21.23	21.13
	25	0	21.36	21.37	21.23
64QAM	1	0	21.46	21.39	21.35
	1	12	21.36	21.35	21.29
	1	24	21.22	21.16	21.08
	12	0	20.36	20.21	20.15
	12	6	20.35	20.30	20.25
	12	13	20.26	20.22	20.21
	25	0	20.38	20.33	20.17
256QAM	1	0	18.38	18.36	18.30
	1	12	18.37	18.33	18.20
	1	24	18.23	18.22	18.13
	12	0	18.29	18.22	18.16
	12	6	18.39	18.34	18.26
	12	13	18.25	18.23	18.21
	25	0	18.32	18.28	18.24

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.15	23.27	21.71	22.83	38.45
16QAM	21.13	22.52	20.69	22.08	38.45
64QAM	20.15	21.46	19.71	21.02	38.45
256QAM	18.13	18.39	17.69	17.95	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	23.30	23.16	23.16
	1	24	23.24	23.14	23.06
	1	49	23.19	23.14	23.04
	25	0	22.37	22.29	22.19
	25	12	22.29	22.25	22.24
	25	25	22.31	22.26	22.21
	50	0	22.39	22.29	22.19
16QAM	1	0	22.54	22.46	22.43
	1	24	22.53	22.50	22.46
	1	49	22.48	22.44	22.38
	25	0	21.39	21.34	21.31
	25	12	21.35	21.31	21.24
	25	25	21.38	21.33	21.23
	50	0	21.37	21.37	21.31
64QAM	1	0	21.53	21.48	21.40
	1	24	21.45	21.42	21.36
	1	49	21.24	21.16	21.11
	25	0	20.39	20.31	20.25
	25	12	20.38	20.30	20.26
	25	25	20.33	20.27	20.27
	50	0	20.43	20.34	20.24
256QAM	1	0	18.39	18.39	18.33
	1	24	18.40	18.38	18.29
	1	49	18.28	18.22	18.20
	25	0	18.34	18.25	18.25
	25	12	18.40	18.37	18.34
	25	25	18.31	18.30	18.21
	50	0	18.38	18.33	18.32

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.19	23.3	21.75	22.86	38.45
16QAM	21.23	22.54	20.79	22.1	38.45
64QAM	20.24	21.53	19.8	21.09	38.45
256QAM	18.2	18.4	17.76	17.96	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	20.77	21.20	21.40
	1	12	21.03	21.18	21.17
	1	24	21.18	21.17	21.25
	12	0	21.04	21.15	21.11
	12	6	21.23	21.30	21.31
	12	13	20.30	20.37	20.42
	25	0	21.22	21.21	21.27
16QAM	1	0	20.67	20.70	20.66
	1	12	21.35	21.41	21.41
	1	24	21.30	21.33	21.30
	12	0	21.20	21.26	21.27
	12	6	20.96	20.98	21.11
	12	13	21.03	21.14	21.21
	25	0	20.69	20.79	20.80
64QAM	1	0	20.82	20.90	20.89
	1	12	21.11	21.22	21.27
	1	24	21.05	21.11	21.02
	12	0	21.17	21.20	21.27
	12	6	20.71	20.68	20.79
	12	13	21.11	21.13	21.14
	25	0	20.91	20.99	21.09
256QAM	1	0	18.50	18.60	18.63
	1	12	18.31	18.33	18.43
	1	24	17.82	17.86	17.99
	12	0	18.12	18.21	18.24
	12	6	18.03	18.05	18.16
	12	13	18.11	18.24	18.22
	25	0	18.03	18.16	18.19

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.3	21.4	23.38	24.48	33.01
16QAM	20.66	21.41	23.74	24.49	33.01
64QAM	20.68	21.27	23.76	24.35	33.01
256QAM	17.82	18.63	20.9	21.71	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	20.80	21.22	21.40
	1	24	21.09	21.09	21.18
	1	49	21.13	21.24	21.18
	25	0	21.07	21.15	21.17
	25	12	21.14	21.27	21.27
	25	25	20.30	20.34	20.45
	50	0	21.19	21.21	21.27
16QAM	1	0	20.64	20.66	20.68
	1	24	21.35	21.33	21.43
	1	49	21.28	21.31	21.40
	25	0	21.20	21.22	21.34
	25	12	20.90	21.00	21.04
	25	25	21.02	21.13	21.18
	50	0	20.66	20.70	20.83
64QAM	1	0	20.82	20.88	20.95
	1	24	21.11	21.24	21.24
	1	49	21.03	21.06	21.09
	25	0	21.16	21.25	21.33
	25	12	20.69	20.73	20.79
	25	25	21.09	21.20	21.16
	50	0	20.88	20.96	21.09
256QAM	1	0	18.56	18.57	18.60
	1	24	18.26	18.30	18.37
	1	49	17.85	17.87	18.06
	25	0	18.16	18.21	18.30
	25	12	18.02	18.05	18.12
	25	25	18.14	18.17	18.27
	50	0	17.97	18.11	18.16

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.3	21.4	23.38	24.48	33.01
16QAM	20.64	21.43	23.72	24.51	33.01
64QAM	20.69	21.33	23.77	24.41	33.01
256QAM	17.85	18.6	20.93	21.68	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	20.79	21.13	21.40
	1	37	21.08	21.17	21.15
	1	74	21.14	21.17	21.20
	36	0	21.02	21.17	21.09
	36	19	21.16	21.25	21.27
	36	39	20.23	20.37	20.41
	75	0	21.13	21.22	21.21
16QAM	1	0	20.62	20.60	20.69
	1	37	21.33	21.41	21.42
	1	74	21.30	21.33	21.32
	36	0	21.13	21.27	21.28
	36	19	20.98	20.99	21.07
	36	39	21.03	21.11	21.19
	75	0	20.67	20.72	20.77
64QAM	1	0	20.84	20.82	20.93
	1	37	21.20	21.20	21.23
	1	74	21.00	21.09	21.08
	36	0	21.19	21.20	21.34
	36	19	20.70	20.73	20.77
	36	39	21.17	21.14	21.16
	75	0	20.86	21.02	21.11
256QAM	1	0	18.58	18.59	18.57
	1	37	18.29	18.36	18.36
	1	74	17.84	17.91	18.02
	36	0	18.15	18.20	18.27
	36	19	17.95	18.04	18.17
	36	39	18.17	18.25	18.24
	75	0	18.05	18.12	18.21

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.23	21.4	23.31	24.48	33.01
16QAM	20.6	21.42	23.68	24.5	33.01
64QAM	20.7	21.34	23.78	24.42	33.01
256QAM	17.84	18.59	20.92	21.67	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	20.82	21.22	21.48
	1	50	21.12	21.19	21.22
	1	99	21.23	21.24	21.25
	50	0	21.07	21.17	21.19
	50	25	21.23	21.30	21.31
	50	50	20.33	20.41	20.48
	100	0	21.22	21.28	21.31
16QAM	1	0	20.70	20.70	20.72
	1	50	21.41	21.42	21.45
	1	99	21.31	21.37	21.40
	50	0	21.23	21.28	21.37
	50	25	20.99	21.08	21.11
	50	50	21.10	21.18	21.25
	100	0	20.74	20.79	20.85
64QAM	1	0	20.86	20.91	20.97
	1	50	21.21	21.29	21.31
	1	99	21.10	21.12	21.12
	50	0	21.20	21.25	21.34
	50	25	20.73	20.78	20.85
	50	50	21.17	21.21	21.23
	100	0	20.95	21.05	21.14
256QAM	1	0	18.59	18.64	18.64
	1	50	18.34	18.39	18.44
	1	99	17.86	17.96	18.06
	50	0	18.21	18.25	18.34
	50	25	18.05	18.14	18.21
	50	50	18.21	18.27	18.31
	100	0	18.07	18.17	18.26

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.33	21.48	23.41	24.56	33.01
16QAM	20.7	21.45	23.78	24.53	33.01
64QAM	20.73	21.34	23.81	24.42	33.01
256QAM	17.86	18.64	20.94	21.72	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	23.02	22.99	22.97
	1	2	22.87	22.95	22.84
	1	5	22.85	22.91	22.92
	3	0	23.09	23.03	23.05
	3	1	22.95	22.92	22.89
	3	3	23.03	22.80	22.88
	6	0	22.01	21.75	21.82
16QAM	1	0	22.18	22.08	22.04
	1	2	22.08	21.97	22.10
	1	5	22.12	21.96	22.09
	3	0	22.09	21.91	22.00
	3	1	21.97	21.84	21.91
	3	3	22.02	21.81	21.95
	6	0	21.12	21.03	21.12
64QAM	1	0	21.13	21.09	21.09
	1	2	21.19	20.97	21.14
	1	5	20.81	20.70	20.78
	3	0	21.09	20.94	20.88
	3	1	21.09	21.14	21.03
	3	3	20.96	20.90	20.95
	6	0	20.10	20.05	20.03
256QAM	1	0	18.07	18.01	17.94
	1	2	18.01	17.94	18.00
	1	5	17.88	17.87	17.95
	3	0	18.05	17.98	17.91
	3	1	18.18	17.97	18.04
	3	3	18.04	17.73	17.91
	6	0	18.12	18.09	18.07

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.75	23.09	21.19	22.53	34.77
16QAM	21.03	22.18	20.47	21.62	34.77
64QAM	20.03	21.19	19.47	20.63	34.77
256QAM	17.73	18.18	17.17	17.62	34.77

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

LTE Band 12, Channel Bandwidth: 3 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23025	CH 23095	CH 23165
			700.5 MHz	707.5 MHz	714.5 MHz
QPSK	1	0	23.06	23.00	23.11
	1	7	23.00	22.95	23.01
	1	14	22.98	22.97	22.91
	8	0	22.09	22.05	22.07
	8	3	22.02	22.02	21.99
	8	7	22.03	21.97	21.94
	15	0	22.08	21.84	21.89
16QAM	1	0	22.18	22.10	22.12
	1	7	22.22	22.10	22.21
	1	14	22.21	22.04	22.05
	8	0	21.13	20.99	20.98
	8	3	21.00	20.89	20.92
	8	7	21.06	21.00	20.99
	15	0	21.16	21.04	21.14
64QAM	1	0	21.27	21.13	21.18
	1	7	21.16	21.13	21.14
	1	14	20.98	20.72	20.83
	8	0	20.13	20.03	20.08
	8	3	20.23	20.12	20.16
	8	7	20.17	20.05	20.08
	15	0	20.23	20.08	20.13
256QAM	1	0	18.09	17.92	18.09
	1	7	18.15	18.05	18.01
	1	14	18.01	17.93	17.97
	8	0	18.10	18.07	18.06
	8	3	18.13	18.13	18.09
	8	7	18.06	17.86	17.97
	15	0	18.20	18.17	18.13

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.84	23.11	21.28	22.55	34.77
16QAM	20.89	22.22	20.33	21.66	34.77
64QAM	20.03	21.27	19.47	20.71	34.77
256QAM	17.86	18.2	17.3	17.64	34.77

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

LTE Band 12, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23035	CH 23095	CH 23155
			701.5 MHz	707.5 MHz	713.5 MHz
QPSK	1	0	23.07	23.00	23.09
	1	12	23.01	22.91	22.97
	1	24	22.98	22.97	22.96
	12	0	22.08	22.04	22.13
	12	6	22.07	22.03	21.95
	12	13	22.07	21.92	21.92
	25	0	22.04	21.82	21.93
16QAM	1	0	22.18	22.15	22.09
	1	12	22.32	22.14	22.25
	1	24	22.15	22.06	22.05
	12	0	21.10	20.98	21.06
	12	6	21.03	20.90	20.92
	12	13	21.12	21.02	21.08
	25	0	21.17	21.02	21.12
64QAM	1	0	21.31	21.22	21.13
	1	12	21.15	21.04	21.12
	1	24	20.93	20.71	20.88
	12	0	20.15	20.01	20.06
	12	6	20.19	20.17	20.22
	12	13	20.09	20.01	20.06
	25	0	20.18	20.02	20.13
256QAM	1	0	18.09	18.01	18.01
	1	12	18.05	17.97	17.99
	1	24	18.01	17.94	17.99
	12	0	18.05	18.03	18.07
	12	6	18.15	18.11	18.07
	12	13	18.09	17.95	17.96
	25	0	18.15	18.18	18.17

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.82	23.09	21.26	22.53	34.77
16QAM	20.9	22.32	20.34	21.76	34.77
64QAM	20.01	21.31	19.45	20.75	34.77
256QAM	17.94	18.18	17.38	17.62	34.77

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

LTE Band 12, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23060	CH 23095	CH 23130
			704 MHz	707.5 MHz	711 MHz
QPSK	1	0	23.15	23.02	23.12
	1	24	23.08	22.97	23.01
	1	49	23.04	22.98	22.99
	25	0	22.15	22.10	22.15
	25	12	22.12	22.03	22.04
	25	25	22.10	21.98	22.01
	50	0	22.08	21.89	21.98
16QAM	1	0	22.26	22.17	22.19
	1	24	22.32	22.18	22.27
	1	49	22.24	22.09	22.15
	25	0	21.16	21.03	21.08
	25	12	21.07	20.99	20.99
	25	25	21.16	21.04	21.08
	50	0	21.20	21.12	21.16
64QAM	1	0	21.32	21.23	21.23
	1	24	21.22	21.14	21.18
	1	49	20.98	20.79	20.89
	25	0	20.16	20.04	20.08
	25	12	20.24	20.19	20.23
	25	25	20.19	20.05	20.09
	50	0	20.25	20.08	20.17
256QAM	1	0	18.16	18.02	18.10
	1	24	18.15	18.05	18.07
	1	49	18.07	17.94	18.04
	25	0	18.13	18.08	18.08
	25	12	18.19	18.15	18.15
	25	25	18.09	17.96	18.03
	50	0	18.24	18.20	18.20

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.89	23.15	21.33	22.59	34.77
16QAM	20.99	22.32	20.43	21.76	34.77
64QAM	20.04	21.32	19.48	20.76	34.77
256QAM	17.94	18.24	17.38	17.68	34.77

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	23.34	23.34	23.32
	1	12	23.25	23.30	23.27
	1	24	23.16	23.20	23.17
	12	0	22.44	22.43	22.42
	12	6	22.39	22.33	22.38
	12	13	22.31	22.26	22.34
	25	0	22.39	22.36	22.38
16QAM	1	0	22.27	22.27	22.30
	1	12	22.40	22.38	22.37
	1	24	22.31	22.28	22.34
	12	0	21.19	21.25	21.20
	12	6	21.17	21.17	21.19
	12	13	21.15	21.16	21.16
	25	0	21.27	21.33	21.26
64QAM	1	0	21.37	21.44	21.44
	1	12	21.26	21.21	21.29
	1	24	21.10	21.02	21.06
	12	0	20.20	20.23	20.20
	12	6	20.22	20.31	20.25
	12	13	20.30	20.25	20.21
	25	0	20.33	20.29	20.30
256QAM	1	0	18.20	18.26	18.25
	1	12	18.19	18.22	18.21
	1	24	18.22	18.16	18.18
	12	0	18.19	18.25	18.18
	12	6	18.31	18.26	18.32
	12	13	18.17	18.18	18.17
	25	0	18.36	18.28	18.35

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.26	23.34	22.29	23.37	34.77
16QAM	21.15	22.4	21.18	22.43	34.77
64QAM	20.2	21.44	20.23	21.47	34.77
256QAM	18.16	18.36	18.19	18.39	34.77

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

LTE Band 13, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 23230
			782 MHz
QPSK	1	0	23.4
	1	24	23.35
	1	49	23.26
	25	0	22.45
	25	12	22.39
	25	25	22.36
	50	0	22.40
16QAM	1	0	22.37
	1	24	22.46
	1	49	22.34
	25	0	21.26
	25	12	21.19
	25	25	21.21
	50	0	21.34
64QAM	1	0	21.46
	1	24	21.31
	1	49	21.11
	25	0	20.23
	25	12	20.32
	25	25	20.31
	50	0	20.39
256QAM	1	0	18.28
	1	24	18.27
	1	49	18.22
	25	0	18.28
	25	12	18.34
	25	25	18.24
	50	0	18.37

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.36	23.4	22.39	23.43	34.77
16QAM	21.19	22.46	21.22	22.49	34.77
64QAM	20.23	21.46	20.26	21.49	34.77
256QAM	18.22	18.37	18.25	18.4	34.77

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	22.86	22.85	22.74
	1	12	22.77	22.83	22.82
	1	24	22.71	22.75	22.63
	12	0	21.70	21.74	21.65
	12	6	21.83	21.85	21.86
	12	13	21.75	21.77	21.71
	25	0	21.82	21.91	21.91
16QAM	1	0	22.28	22.26	22.25
	1	12	22.32	22.44	22.34
	1	24	22.33	22.29	22.21
	12	0	21.09	21.10	21.16
	12	6	20.97	21.06	20.97
	12	13	21.07	21.21	21.24
	25	0	21.20	21.25	21.20
64QAM	1	0	21.22	21.24	21.25
	1	12	21.17	21.18	21.16
	1	24	20.97	20.99	20.94
	12	0	20.03	20.14	20.08
	12	6	20.06	20.17	20.15
	12	13	20.31	20.27	20.20
	25	0	20.22	20.23	20.20
256QAM	1	0	18.13	18.14	18.15
	1	12	18.11	18.15	18.07
	1	24	18.15	18.16	18.21
	12	0	18.11	18.11	18.14
	12	6	18.19	18.19	18.14
	12	13	18.00	18.09	18.04
	25	0	18.18	18.24	18.12

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.65	22.86	21.6	22.81	34.77
16QAM	20.97	22.44	20.92	22.39	34.77
64QAM	20.03	21.25	19.98	21.2	34.77
256QAM	18	18.24	17.95	18.19	34.77

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

LTE Band 14, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 23330
			793 MHz
QPSK	1	0	22.91
	1	24	22.89
	1	49	22.76
	25	0	21.84
	25	12	21.91
	25	25	21.85
	50	0	21.94
16QAM	1	0	22.34
	1	24	22.44
	1	49	22.36
	25	0	21.19
	25	12	21.11
	25	25	21.24
	50	0	21.26
64QAM	1	0	21.31
	1	24	21.27
	1	49	21.06
	25	0	20.21
	25	12	20.23
	25	25	20.36
	50	0	20.31
256QAM	1	0	18.22
	1	24	18.18
	1	49	18.23
	25	0	18.18
	25	12	18.29
	25	25	18.12
	50	0	18.30

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.84	22.91	21.79	22.86	34.77
16QAM	21.11	22.44	21.06	22.39	34.77
64QAM	20.21	21.31	20.16	21.26	34.77
256QAM	18.12	18.3	18.07	18.25	34.77

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	23.09	23.19	23.13
	1	12	23.03	23.05	23.02
	1	24	22.94	22.99	22.99
	12	0	22.00	22.18	22.09
	12	6	22.13	22.26	22.20
	12	13	21.96	22.06	22.02
	25	0	22.07	22.18	22.06
16QAM	1	0	21.88	22.08	21.93
	1	12	22.09	22.16	22.11
	1	24	21.98	22.10	22.01
	12	0	20.70	20.83	20.76
	12	6	20.65	20.76	20.69
	12	13	20.71	20.90	20.85
	25	0	20.90	20.98	20.95
64QAM	1	0	20.89	21.01	20.93
	1	12	20.71	20.89	20.84
	1	24	20.72	20.71	20.71
	12	0	19.79	19.89	19.87
	12	6	19.82	19.89	19.89
	12	13	20.02	19.98	20.04
	25	0	19.93	20.01	19.92
256QAM	1	0	17.83	17.86	17.85
	1	12	17.76	17.92	17.89
	1	24	17.83	18.02	17.84
	12	0	17.71	17.78	17.71
	12	6	17.81	17.89	17.81
	12	13	17.68	17.92	17.81
	25	0	17.94	18.07	17.99

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.96	23.19	21.4	22.63	34.77
16QAM	20.65	22.16	20.09	21.6	34.77
64QAM	19.79	21.01	19.23	20.45	34.77
256QAM	17.68	18.07	17.12	17.51	34.77

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

LTE Band 17, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23780	CH 23790	CH 23800
			709 MHz	710 MHz	711 MHz
QPSK	1	0	23.13	23.20	23.19
	1	24	23.03	23.11	23.06
	1	49	22.97	23.06	23.04
	25	0	22.07	22.21	22.17
	25	12	22.16	22.27	22.24
	25	25	22.01	22.15	22.09
	50	0	22.08	22.19	22.16
16QAM	1	0	21.95	22.12	22.03
	1	24	22.12	22.18	22.16
	1	49	22.03	22.13	22.11
	25	0	20.78	20.88	20.80
	25	12	20.75	20.85	20.76
	25	25	20.81	20.98	20.88
	50	0	20.94	21.08	21.02
64QAM	1	0	20.96	21.05	20.96
	1	24	20.81	20.98	20.88
	1	49	20.73	20.79	20.79
	25	0	19.81	19.94	19.91
	25	12	19.83	19.98	19.91
	25	25	20.03	20.08	20.07
	50	0	19.96	20.05	20.02
256QAM	1	0	17.86	17.91	17.90
	1	24	17.84	17.93	17.92
	1	49	17.84	18.04	17.94
	25	0	17.76	17.88	17.79
	25	12	17.83	17.93	17.90
	25	25	17.72	17.92	17.82
	50	0	18.04	18.07	18.05

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.01	23.2	21.45	22.64	34.77
16QAM	20.75	22.18	20.19	21.62	34.77
64QAM	19.81	21.05	19.25	20.49	34.77
256QAM	17.72	18.07	17.16	17.51	34.77

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	22.47	22.50	22.56
	1	2	22.30	22.53	22.60
	1	5	22.52	22.63	22.51
	3	0	22.47	22.58	22.60
	3	1	22.42	22.62	22.53
	3	3	22.51	22.62	22.62
	6	0	21.41	21.51	21.49
16QAM	1	0	21.89	21.92	21.95
	1	2	21.70	21.82	21.93
	1	5	21.69	21.70	21.82
	3	0	21.43	21.60	21.64
	3	1	21.36	21.58	21.58
	3	3	21.36	21.50	21.60
	6	0	20.52	20.54	20.59
64QAM	1	0	20.62	20.67	20.75
	1	2	20.67	20.61	20.63
	1	5	20.58	20.71	20.83
	3	0	20.36	20.51	20.47
	3	1	20.34	20.60	20.56
	3	3	20.52	20.54	20.56
	6	0	19.34	19.44	19.59
256QAM	1	0	17.78	17.82	17.87
	1	2	17.49	17.57	17.60
	1	5	17.37	17.49	17.53
	3	0	17.54	17.65	17.57
	3	1	17.38	17.53	17.51
	3	3	17.49	17.61	17.67
	6	0	17.44	17.53	17.60

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.41	22.63	26.01	27.23	33.01
16QAM	20.52	21.95	25.12	26.55	33.01
64QAM	19.34	20.83	23.94	25.43	33.01
256QAM	17.37	17.87	21.97	22.47	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	22.52	22.52	22.66
	1	7	22.50	22.52	22.67
	1	14	22.52	22.54	22.62
	8	0	21.64	21.57	21.70
	8	3	21.56	21.67	21.64
	8	7	21.58	21.58	21.68
	15	0	21.47	21.58	21.59
16QAM	1	0	21.91	22.00	22.00
	1	7	21.77	21.89	22.00
	1	14	21.71	21.78	21.83
	8	0	20.52	20.62	20.67
	8	3	20.47	20.53	20.66
	8	7	20.48	20.63	20.65
	15	0	20.60	20.58	20.63
64QAM	1	0	20.72	20.80	20.88
	1	7	20.75	20.68	20.72
	1	14	20.70	20.72	20.86
	8	0	19.57	19.58	19.63
	8	3	19.55	19.59	19.71
	8	7	19.53	19.62	19.65
	15	0	19.56	19.57	19.58
256QAM	1	0	17.78	17.85	17.93
	1	7	17.64	17.67	17.63
	1	14	17.59	17.65	17.66
	8	0	17.60	17.71	17.63
	8	3	17.48	17.53	17.56
	8	7	17.52	17.68	17.69
	15	0	17.50	17.53	17.70

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.47	22.67	26.07	27.27	33.01
16QAM	20.47	22	25.07	26.6	33.01
64QAM	19.53	20.88	24.13	25.48	33.01
256QAM	17.48	17.93	22.08	22.53	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	22.47	22.52	22.60
	1	12	22.46	22.55	22.58
	1	24	22.53	22.62	22.63
	12	0	21.65	21.61	21.67
	12	6	21.59	21.61	21.64
	12	13	21.55	21.63	21.64
	25	0	21.52	21.51	21.60
16QAM	1	0	21.92	21.93	22.10
	1	12	21.79	21.86	21.90
	1	24	21.66	21.80	21.80
	12	0	20.53	20.58	20.61
	12	6	20.44	20.51	20.63
	12	13	20.55	20.65	20.67
	25	0	20.57	20.62	20.64
64QAM	1	0	20.78	20.76	20.85
	1	12	20.65	20.78	20.70
	1	24	20.67	20.74	20.85
	12	0	19.47	19.61	19.64
	12	6	19.51	19.63	19.72
	12	13	19.53	19.59	19.71
	25	0	19.49	19.55	19.65
256QAM	1	0	17.79	17.90	17.96
	1	12	17.67	17.62	17.64
	1	24	17.58	17.62	17.63
	12	0	17.57	17.63	17.71
	12	6	17.53	17.48	17.54
	12	13	17.57	17.67	17.74
	25	0	17.48	17.59	17.65

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.51	22.63	26.11	27.23	33.01
16QAM	20.44	22.1	25.04	26.7	33.01
64QAM	19.47	20.85	24.07	25.45	33.01
256QAM	17.48	17.96	22.08	22.56	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	22.52	22.56	22.67
	1	24	22.48	22.56	22.57
	1	49	22.57	22.57	22.57
	25	0	21.60	21.56	21.67
	25	12	21.54	21.68	21.63
	25	25	21.48	21.64	21.65
	50	0	21.43	21.59	21.59
16QAM	1	0	21.94	22.00	22.09
	1	24	21.80	21.87	21.94
	1	49	21.74	21.77	21.83
	25	0	20.61	20.58	20.64
	25	12	20.47	20.55	20.58
	25	25	20.47	20.64	20.66
	50	0	20.53	20.56	20.65
64QAM	1	0	20.80	20.82	20.87
	1	24	20.70	20.69	20.78
	1	49	20.71	20.71	20.80
	25	0	19.48	19.53	19.69
	25	12	19.57	19.56	19.69
	25	25	19.58	19.55	19.71
	50	0	19.58	19.59	19.65
256QAM	1	0	17.79	17.88	17.86
	1	24	17.60	17.62	17.62
	1	49	17.57	17.66	17.64
	25	0	17.55	17.67	17.70
	25	12	17.48	17.53	17.56
	25	25	17.54	17.63	17.68
	50	0	17.44	17.54	17.70

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.43	22.67	26.03	27.27	33.01
16QAM	20.47	22.09	25.07	26.69	33.01
64QAM	19.48	20.87	24.08	25.47	33.01
256QAM	17.44	17.88	22.04	22.48	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	22.48	22.61	22.69
	1	37	22.53	22.53	22.64
	1	74	22.47	22.56	22.53
	36	0	21.66	21.56	21.71
	36	19	21.60	21.68	21.69
	36	39	21.49	21.61	21.61
	75	0	21.47	21.50	21.61
16QAM	1	0	21.94	21.95	22.09
	1	37	21.72	21.87	22.00
	1	74	21.69	21.81	21.82
	36	0	20.54	20.66	20.69
	36	19	20.48	20.55	20.67
	36	39	20.56	20.56	20.66
	75	0	20.55	20.59	20.66
64QAM	1	0	20.81	20.73	20.80
	1	37	20.75	20.73	20.73
	1	74	20.76	20.76	20.87
	36	0	19.51	19.63	19.60
	36	19	19.50	19.65	19.69
	36	39	19.53	19.63	19.66
	75	0	19.57	19.49	19.65
256QAM	1	0	17.87	17.92	17.88
	1	37	17.65	17.66	17.68
	1	74	17.52	17.57	17.62
	36	0	17.57	17.71	17.64
	36	19	17.48	17.53	17.62
	36	39	17.55	17.61	17.76
	75	0	17.50	17.57	17.66

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.47	22.69	26.07	27.29	33.01
16QAM	20.48	22.09	25.08	26.69	33.01
64QAM	19.49	20.87	24.09	25.47	33.01
256QAM	17.48	17.92	22.08	22.52	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	22.54	22.61	22.69
	1	50	22.53	22.61	22.67
	1	99	22.57	22.63	22.63
	50	0	21.66	21.66	21.72
	50	25	21.64	21.68	21.70
	50	50	21.58	21.67	21.68
	100	0	21.53	21.60	21.68
16QAM	1	0	22.00	22.02	22.10
	1	50	21.82	21.91	22.00
	1	99	21.76	21.83	21.90
	50	0	20.62	20.68	20.71
	50	25	20.53	20.59	20.68
	50	50	20.56	20.65	20.71
	100	0	20.62	20.63	20.72
64QAM	1	0	20.81	20.83	20.89
	1	50	20.75	20.78	20.80
	1	99	20.76	20.80	20.88
	50	0	19.57	19.63	19.69
	50	25	19.57	19.65	19.73
	50	50	19.59	19.63	19.72
	100	0	19.58	19.59	19.68
256QAM	1	0	17.87	17.92	17.96
	1	50	17.68	17.68	17.70
	1	99	17.62	17.66	17.68
	50	0	17.64	17.73	17.73
	50	25	17.55	17.55	17.63
	50	50	17.62	17.70	17.76
	100	0	17.54	17.60	17.70

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.53	22.69	26.13	27.29	33.01
16QAM	20.53	22.1	25.13	26.7	33.01
64QAM	19.57	20.89	24.17	25.49	33.01
256QAM	17.54	17.96	22.14	22.56	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	23.06	22.99	23.01
	1	2	22.93	23.01	22.95
	1	5	22.85	22.87	22.86
	3	0	22.01	21.96	22.03
	3	1	22.00	22.00	22.02
	3	3	21.95	21.97	21.96
	6	0	21.99	22.02	22.03
16QAM	1	0	22.02	21.96	21.99
	1	2	22.03	21.99	22.00
	1	5	22.10	22.03	22.02
	3	0	20.97	20.96	20.88
	3	1	20.89	20.89	20.91
	3	3	21.00	20.92	20.90
	6	0	20.84	20.80	20.78
64QAM	1	0	21.06	21.05	21.03
	1	2	20.86	20.89	20.85
	1	5	20.69	20.72	20.77
	3	0	19.86	19.88	19.85
	3	1	19.84	19.88	19.78
	3	3	19.87	19.79	19.82
	6	0	19.91	19.94	19.97
256QAM	1	0	17.99	17.97	18.00
	1	2	17.95	18.00	18.02
	1	5	17.67	17.70	17.75
	3	0	17.73	17.73	17.80
	3	1	17.84	17.84	17.88
	3	3	17.81	17.75	17.80
	6	0	17.84	17.85	17.82

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.95	23.06	21.77	22.88	50
16QAM	20.78	22.1	20.6	21.92	50
64QAM	19.78	21.06	19.6	20.88	50
256QAM	17.67	18.02	17.49	17.84	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	22.98	23.07	23.06
	1	7	22.99	22.98	22.91
	1	14	22.91	22.89	22.88
	8	0	21.94	21.95	21.97
	8	3	21.95	21.94	22.00
	8	7	21.97	21.92	21.97
	15	0	21.96	21.96	22.02
16QAM	1	0	22.00	21.99	21.98
	1	7	22.06	22.06	21.97
	1	14	22.05	22.05	22.08
	8	0	20.91	20.94	20.93
	8	3	20.88	20.83	20.81
	8	7	20.90	20.98	20.94
	15	0	20.80	20.75	20.85
64QAM	1	0	21.10	21.03	21.04
	1	7	20.93	20.83	20.92
	1	14	20.67	20.67	20.73
	8	0	19.85	19.88	19.86
	8	3	19.78	19.82	19.87
	8	7	19.86	19.86	19.80
	15	0	19.93	19.96	19.88
256QAM	1	0	17.96	17.93	17.97
	1	7	18.00	17.98	18.01
	1	14	17.77	17.73	17.72
	8	0	17.80	17.74	17.73
	8	3	17.83	17.89	17.88
	8	7	17.76	17.80	17.78
	15	0	17.85	17.79	17.80

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.92	23.07	21.74	22.89	50
16QAM	20.75	22.08	20.57	21.9	50
64QAM	19.78	21.1	19.6	20.92	50
256QAM	17.72	18.01	17.54	17.83	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	23.03	22.98	23.05
	1	12	22.98	23.01	22.91
	1	24	22.91	22.83	22.81
	12	0	21.99	21.94	21.94
	12	6	21.99	22.02	21.97
	12	13	21.93	21.87	21.95
	25	0	22.05	21.98	21.97
16QAM	1	0	21.95	22.02	22.02
	1	12	21.98	21.98	22.04
	1	24	22.09	22.08	22.03
	12	0	20.88	20.95	20.95
	12	6	20.87	20.88	20.85
	12	13	20.93	20.97	20.92
	25	0	20.76	20.77	20.84
64QAM	1	0	21.02	21.11	21.03
	1	12	20.88	20.85	20.93
	1	24	20.70	20.75	20.73
	12	0	19.87	19.87	19.85
	12	6	19.85	19.86	19.82
	12	13	19.81	19.78	19.78
	25	0	19.95	19.88	19.94
256QAM	1	0	17.94	17.97	17.94
	1	12	18.03	18.00	18.00
	1	24	17.75	17.75	17.67
	12	0	17.71	17.70	17.70
	12	6	17.88	17.88	17.91
	12	13	17.74	17.80	17.79
	25	0	17.78	17.76	17.83

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.87	23.05	21.69	22.87	50
16QAM	20.76	22.09	20.58	21.91	50
64QAM	19.78	21.11	19.6	20.93	50
256QAM	17.67	18.03	17.49	17.85	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	23.08
	1	24	22.91
	1	49	22.82
	25	0	21.98
	25	12	21.99
	25	25	21.96
	50	0	21.95
16QAM	1	0	22.04
	1	24	22.02
	1	49	22.02
	25	0	20.95
	25	12	20.82
	25	25	20.97
	50	0	20.84
64QAM	1	0	21.03
	1	24	20.91
	1	49	20.70
	25	0	19.94
	25	12	19.83
	25	25	19.87
	50	0	19.92
256QAM	1	0	17.91
	1	24	17.97
	1	49	17.76
	25	0	17.79
	25	12	17.89
	25	25	17.78
	50	0	17.82

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.95	23.08	21.77	22.9	50
16QAM	20.82	22.04	20.64	21.86	50
64QAM	19.83	21.03	19.65	20.85	50
256QAM	17.76	17.97	17.58	17.79	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	23.03	23.14	23.07
	1	2	22.91	23.05	22.94
	1	5	22.88	22.98	22.90
	3	0	22.00	22.02	21.94
	3	1	21.94	21.96	21.95
	3	3	21.89	22.02	21.97
	6	0	22.03	22.02	22.06
16QAM	1	0	21.99	22.13	22.09
	1	2	22.02	22.19	22.11
	1	5	22.09	22.06	22.07
	3	0	20.91	20.95	20.93
	3	1	20.81	21.01	20.87
	3	3	21.00	21.02	20.98
	6	0	20.83	20.92	20.89
64QAM	1	0	21.09	21.14	21.10
	1	2	20.88	21.03	20.98
	1	5	20.74	20.85	20.72
	3	0	19.94	19.97	19.93
	3	1	19.82	19.92	19.91
	3	3	19.82	19.97	19.87
	6	0	19.90	20.09	20.01
256QAM	1	0	17.93	18.04	17.94
	1	2	17.99	18.09	18.03
	1	5	17.71	17.87	17.83
	3	0	17.77	17.93	17.86
	3	1	17.86	17.95	17.86
	3	3	17.81	17.91	17.89
	6	0	17.85	17.91	17.96

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.89	23.14	21.71	22.96	38.45
16QAM	20.81	22.19	20.63	22.01	38.45
64QAM	19.82	21.14	19.64	20.96	38.45
256QAM	17.71	18.09	17.53	17.91	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	22.99	23.10	22.98
	1	7	22.92	23.08	22.94
	1	14	22.90	22.91	22.94
	8	0	21.93	22.05	21.97
	8	3	21.94	21.99	21.98
	8	7	21.95	21.99	21.97
	15	0	21.95	22.01	21.98
16QAM	1	0	21.96	22.12	22.00
	1	7	22.04	22.10	22.14
	1	14	22.00	22.08	22.05
	8	0	20.89	20.97	21.02
	8	3	20.87	20.95	20.94
	8	7	20.94	21.05	20.95
	15	0	20.75	20.93	20.86
64QAM	1	0	21.08	21.16	21.12
	1	7	20.93	21.01	20.90
	1	14	20.70	20.83	20.74
	8	0	19.86	19.93	19.91
	8	3	19.82	19.92	19.90
	8	7	19.82	19.95	19.85
	15	0	19.98	20.05	19.97
256QAM	1	0	17.98	18.05	18.03
	1	7	17.95	18.00	17.98
	1	14	17.71	17.88	17.85
	8	0	17.76	17.88	17.82
	8	3	17.88	17.96	17.87
	8	7	17.74	17.99	17.83
	15	0	17.78	17.94	17.92

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.93	23.1	21.75	22.92	38.45
16QAM	20.75	22.14	20.57	21.96	38.45
64QAM	19.82	21.16	19.64	20.98	38.45
256QAM	17.71	18.05	17.53	17.87	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	23.01	23.05	23.07
	1	12	23.01	22.99	22.98
	1	24	22.84	22.97	22.91
	12	0	22.01	22.02	22.02
	12	6	22.02	21.95	21.96
	12	13	21.93	22.02	22.02
	25	0	21.97	22.01	22.05
16QAM	1	0	21.98	22.06	22.09
	1	12	22.04	22.13	22.10
	1	24	22.09	22.12	22.08
	12	0	20.95	20.97	20.93
	12	6	20.83	20.97	20.96
	12	13	20.98	21.02	21.01
	25	0	20.78	20.90	20.81
64QAM	1	0	21.09	21.14	21.05
	1	12	20.83	21.03	20.91
	1	24	20.73	20.80	20.73
	12	0	19.91	19.96	19.92
	12	6	19.87	19.92	19.90
	12	13	19.81	19.96	19.84
	25	0	19.91	20.03	19.97
256QAM	1	0	17.93	18.10	18.00
	1	12	17.95	18.07	18.04
	1	24	17.75	17.84	17.82
	12	0	17.78	17.93	17.82
	12	6	17.90	18.00	17.93
	12	13	17.77	18.01	17.87
	25	0	17.80	17.92	17.96

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.93	23.07	21.75	22.89	38.45
16QAM	20.78	22.13	20.6	21.95	38.45
64QAM	19.81	21.14	19.63	20.96	38.45
256QAM	17.75	18.1	17.57	17.92	38.45

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

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

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26840	CH 26915	CH 26990
			829 MHz	836.5 MHz	844 MHz
QPSK	1	0	23.05	23.08	23.04
	1	24	22.92	23.09	23.00
	1	49	22.90	22.97	22.90
	25	0	22.01	21.98	22.03
	25	12	21.94	22.05	21.95
	25	25	21.95	22.08	21.92
	50	0	21.99	22.00	22.04
16QAM	1	0	22.03	22.07	22.10
	1	24	22.02	22.19	22.11
	1	49	22.06	22.08	22.02
	25	0	20.96	20.95	21.00
	25	12	20.91	20.98	20.91
	25	25	20.95	21.07	21.00
	50	0	20.81	20.91	20.83
64QAM	1	0	21.07	21.18	21.14
	1	24	20.84	20.97	21.00
	1	49	20.72	20.80	20.73
	25	0	19.91	19.98	19.97
	25	12	19.81	19.93	19.83
	25	25	19.85	20.00	19.88
	50	0	19.94	20.05	19.95
256QAM	1	0	17.95	18.07	17.93
	1	24	18.00	18.09	17.97
	1	49	17.77	17.91	17.77
	25	0	17.73	17.88	17.85
	25	12	17.88	17.92	17.90
	25	25	17.81	17.92	17.82
	50	0	17.82	18.01	17.87

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.92	23.09	21.74	22.91	38.45
16QAM	20.81	22.19	20.63	22.01	38.45
64QAM	19.81	21.18	19.63	21	38.45
256QAM	17.73	18.09	17.55	17.91	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	23.07	23.15	23.08
	1	37	23.01	23.09	23.01
	1	74	22.91	22.98	22.97
	36	0	22.03	22.06	22.04
	36	19	22.02	22.05	22.04
	36	39	21.97	22.09	22.02
	75	0	22.05	22.07	22.07
16QAM	1	0	22.05	22.15	22.10
	1	37	22.06	22.20	22.16
	1	74	22.10	22.15	22.12
	36	0	20.97	21.03	21.03
	36	19	20.91	21.03	20.96
	36	39	21.00	21.07	21.04
	75	0	20.85	20.99	20.89
64QAM	1	0	21.12	21.22	21.15
	1	37	20.93	21.07	21.00
	1	74	20.77	20.87	20.80
	36	0	19.95	20.00	19.97
	36	19	19.88	19.99	19.93
	36	39	19.87	20.00	19.93
	75	0	19.98	20.10	20.01
256QAM	1	0	18.01	18.10	18.03
	1	37	18.03	18.10	18.04
	1	74	17.77	17.93	17.85
	36	0	17.80	17.97	17.88
	36	19	17.92	18.01	17.95
	36	39	17.82	18.01	17.92
	75	0	17.86	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	21.97	23.15	21.79	22.97	38.45
16QAM	20.85	22.2	20.67	22.02	38.45
64QAM	19.87	21.22	19.69	21.04	38.45
256QAM	17.77	18.1	17.59	17.92	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	20.40	20.44	20.41
	1	12	20.34	20.34	20.38
	1	24	20.34	20.33	20.27
	12	0	20.41	20.42	20.40
	12	6	20.35	20.31	20.39
	12	13	20.42	20.35	20.37
	25	0	20.25	20.30	20.30
16QAM	1	0	20.22	20.13	20.16
	1	12	20.28	20.27	20.34
	1	24	20.18	20.25	20.21
	12	0	20.33	20.39	20.35
	12	6	20.11	20.11	20.15
	12	13	20.26	20.24	20.26
	25	0	19.17	19.17	19.13
64QAM	1	0	19.00	19.06	18.97
	1	12	19.22	19.20	19.25
	1	24	19.09	19.10	19.14
	12	0	18.10	18.13	18.13
	12	6	18.13	18.13	18.13
	12	13	17.69	17.67	17.62
	25	0	18.02	18.03	18.00
256QAM	1	0	16.42	16.34	16.36
	1	12	16.25	16.30	16.33
	1	24	16.59	16.53	16.52
	12	0	16.14	16.10	16.17
	12	6	16.11	16.08	16.10
	12	13	15.83	15.85	15.83
	25	0	16.13	16.15	16.14

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.25	20.44	22.86	23.05	23.98
16QAM	19.13	20.39	21.74	23.00	23.98
64QAM	17.62	19.25	20.23	21.86	23.98
256QAM	15.83	16.59	18.44	19.20	23.98

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

LTE Band 30, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 27710
			2310 MHz
QPSK	1	0	20.48
	1	24	20.41
	1	49	20.37
	25	0	20.44
	25	12	20.41
	25	25	20.42
	50	0	20.35
16QAM	1	0	20.23
	1	24	20.35
	1	49	20.26
	25	0	20.40
	25	12	20.17
	25	25	20.32
	50	0	19.18
64QAM	1	0	19.06
	1	24	19.27
	1	49	19.16
	25	0	18.16
	25	12	18.15
	25	25	17.71
	50	0	18.09
256QAM	1	0	16.42
	1	24	16.34
	1	49	16.60
	25	0	16.19
	25	12	16.12
	25	25	15.90
	50	0	16.17

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.35	20.48	22.96	23.09	23.98
16QAM	19.18	20.40	21.79	23.01	23.98
64QAM	17.71	19.27	20.32	21.88	23.98
256QAM	15.90	16.60	18.51	19.21	23.98

Note:

1. $EIRP (dBm) = Cond. Power (dBm) + Antenna Gain (dBi) + Array Gain (if applicable)$
2. Total EIRP power is less than partial EIRP limit 250 mW/5MHz.

7.1.13 LTE Band 38

LTE Band 38, PC2, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 37775	CH 38000	CH 38225
			2572.5 MHz	2595 MHz	2617.5 MHz
QPSK	1	0	24.24	24.36	24.18
	1	12	24.18	24.13	24.11
	1	24	24.01	24.13	24.02
	12	0	24.09	24.30	24.15
	12	6	24.11	24.17	24.17
	12	13	24.08	24.23	24.16
	25	0	24.26	24.24	24.26
16QAM	1	0	24.15	24.29	24.16
	1	12	24.10	24.31	24.30
	1	24	24.18	24.30	24.26
	12	0	24.31	24.37	24.24
	12	6	24.12	24.29	24.16
	12	13	23.98	24.18	24.13
	25	0	24.08	24.24	24.17
64QAM	1	0	24.07	24.02	24.08
	1	12	24.26	24.25	24.23
	1	24	24.18	24.30	24.23
	12	0	24.20	24.40	24.31
	12	6	24.09	24.23	24.11
	12	13	24.14	24.17	24.17
	25	0	24.17	24.29	24.25
256QAM	1	0	21.25	21.36	21.32
	1	12	21.46	21.54	21.47
	1	24	21.06	21.20	21.10
	12	0	21.34	21.35	21.37
	12	6	21.25	21.39	21.22
	12	13	21.03	21.12	21.11
	25	0	21.34	21.27	21.30

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	24.01	24.36	27.15	27.5	33.01
16QAM	23.98	24.37	27.12	27.51	33.01
64QAM	24.02	24.4	27.16	27.54	33.01
256QAM	21.03	21.54	24.17	24.68	33.01

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

LTE Band 38, PC2, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 37800	CH 38000	CH 38200
			2575 MHz	2595 MHz	2615 MHz
QPSK	1	0	24.20	24.38	24.17
	1	24	24.09	24.13	24.18
	1	49	24.03	24.14	24.00
	25	0	24.08	24.20	24.21
	25	12	24.11	24.21	24.25
	25	25	24.07	24.20	24.12
	50	0	24.21	24.24	24.28
16QAM	1	0	24.12	24.24	24.17
	1	24	24.10	24.31	24.30
	1	49	24.16	24.33	24.25
	25	0	24.22	24.37	24.29
	25	12	24.13	24.24	24.18
	25	25	23.96	24.23	24.14
	50	0	24.17	24.27	24.11
64QAM	1	0	24.07	24.10	24.09
	1	24	24.26	24.26	24.23
	1	49	24.19	24.38	24.22
	25	0	24.17	24.38	24.28
	25	12	24.14	24.23	24.15
	25	25	24.04	24.17	24.17
	50	0	24.26	24.19	24.23
256QAM	1	0	21.29	21.34	21.34
	1	24	21.50	21.55	21.49
	1	49	21.12	21.16	21.06
	25	0	21.30	21.39	21.33
	25	12	21.18	21.38	21.25
	25	25	21.10	21.16	21.10
	50	0	21.31	21.27	21.33

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	24	24.38	27.14	27.52	33.01
16QAM	23.96	24.37	27.1	27.51	33.01
64QAM	24.04	24.38	27.18	27.52	33.01
256QAM	21.06	21.55	24.2	24.69	33.01

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

LTE Band 38, PC2, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 37825	CH 38000	CH 38175
			2577.5 MHz	2595 MHz	2612.5 MHz
QPSK	1	0	24.20	24.40	24.18
	1	37	24.11	24.12	24.17
	1	74	23.99	24.06	24.02
	36	0	24.12	24.26	24.17
	36	19	24.14	24.19	24.20
	36	39	24.05	24.14	24.16
	75	0	24.23	24.31	24.29
16QAM	1	0	24.18	24.32	24.23
	1	37	24.19	24.21	24.25
	1	74	24.24	24.38	24.33
	36	0	24.25	24.35	24.33
	36	19	24.12	24.25	24.21
	36	39	24.04	24.20	24.14
	75	0	24.17	24.26	24.16
64QAM	1	0	23.97	24.04	24.07
	1	37	24.32	24.34	24.32
	1	74	24.15	24.34	24.28
	36	0	24.23	24.39	24.26
	36	19	24.10	24.17	24.06
	36	39	24.14	24.16	24.15
	75	0	24.19	24.23	24.24
256QAM	1	0	21.30	21.36	21.32
	1	37	21.49	21.52	21.54
	1	74	21.09	21.24	21.16
	36	0	21.37	21.39	21.36
	36	19	21.15	21.31	21.24
	36	39	21.07	21.15	21.09
	75	0	21.34	21.35	21.30

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	23.99	24.4	27.13	27.54	33.01
16QAM	24.04	24.38	27.18	27.52	33.01
64QAM	23.97	24.39	27.11	27.53	33.01
256QAM	21.07	21.54	24.21	24.68	33.01

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

LTE Band 38, PC2, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 37850	CH 38000	CH 38150
			2580 MHz	2595 MHz	2610 MHz
QPSK	1	0	24.24	24.43	24.26
	1	50	24.19	24.20	24.19
	1	99	24.08	24.16	24.09
	50	0	24.13	24.30	24.22
	50	25	24.17	24.26	24.26
	50	50	24.14	24.24	24.21
	100	0	24.30	24.31	24.31
16QAM	1	0	24.19	24.33	24.23
	1	50	24.20	24.31	24.30
	1	99	24.24	24.40	24.33
	50	0	24.32	24.37	24.33
	50	25	24.21	24.31	24.22
	50	50	24.05	24.24	24.14
	100	0	24.17	24.27	24.20
64QAM	1	0	24.07	24.11	24.11
	1	50	24.33	24.35	24.33
	1	99	24.25	24.38	24.29
	50	0	24.23	24.41	24.33
	50	25	24.15	24.25	24.16
	50	50	24.14	24.26	24.21
	100	0	24.26	24.29	24.29
256QAM	1	0	21.32	21.37	21.37
	1	50	21.53	21.62	21.54
	1	99	21.14	21.24	21.16
	50	0	21.37	21.45	21.38
	50	25	21.25	21.40	21.31
	50	50	21.13	21.22	21.13
	100	0	21.36	21.36	21.36

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	24.08	24.43	27.22	27.57	33.01
16QAM	24.05	24.4	27.19	27.54	33.01
64QAM	24.07	24.41	27.21	27.55	33.01
256QAM	21.13	21.62	24.27	24.76	33.01

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

LTE Band 38, PC3, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 37775	CH 38000	CH 38225
			2572.5 MHz	2595 MHz	2617.5 MHz
QPSK	1	0	21.46	21.51	21.63
	1	12	21.41	21.54	21.63
	1	24	21.31	21.33	21.43
	12	0	20.46	20.49	20.57
	12	6	20.49	20.50	20.52
	12	13	20.27	20.31	20.37
	25	0	20.41	20.47	20.48
16QAM	1	0	20.47	20.51	20.56
	1	12	20.36	20.37	20.44
	1	24	20.24	20.30	20.30
	12	0	19.10	19.17	19.20
	12	6	19.02	19.11	19.09
	12	13	18.91	19.02	19.07
	25	0	19.13	19.08	19.09
64QAM	1	0	19.47	19.51	19.56
	1	12	19.40	19.42	19.56
	1	24	19.40	19.37	19.46
	12	0	17.99	18.13	18.23
	12	6	18.09	18.11	18.17
	12	13	17.98	18.09	18.06
	25	0	17.93	18.07	18.10
256QAM	1	0	16.19	16.29	16.35
	1	12	16.18	16.24	16.34
	1	24	16.12	16.11	16.10
	12	0	16.08	16.14	16.26
	12	6	15.97	16.03	16.10
	12	13	16.00	16.04	16.05
	25	0	16.07	16.02	16.08

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.27	21.63	23.41	24.77	33.01
16QAM	18.91	20.56	22.05	23.7	33.01
64QAM	17.93	19.56	21.07	22.7	33.01
256QAM	15.97	16.35	19.11	19.49	33.01

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

LTE Band 38, PC3, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 37800	CH 38000	CH 38200
			2575 MHz	2595 MHz	2615 MHz
QPSK	1	0	21.49	21.52	21.61
	1	24	21.47	21.50	21.53
	1	49	21.25	21.25	21.37
	25	0	20.45	20.47	20.57
	25	12	20.39	20.49	20.58
	25	25	20.31	20.27	20.32
	50	0	20.45	20.38	20.46
16QAM	1	0	20.43	20.50	20.51
	1	24	20.34	20.33	20.46
	1	49	20.22	20.30	20.28
	25	0	19.09	19.14	19.26
	25	12	19.05	19.17	19.17
	25	25	18.93	19.02	19.03
	50	0	19.04	19.08	19.08
64QAM	1	0	19.46	19.55	19.62
	1	24	19.42	19.43	19.54
	1	49	19.40	19.35	19.43
	25	0	18.02	18.17	18.29
	25	12	18.03	18.05	18.14
	25	25	18.02	18.03	18.04
	50	0	17.99	18.04	18.08
256QAM	1	0	16.18	16.25	16.31
	1	24	16.13	16.27	16.33
	1	49	16.16	16.10	16.19
	25	0	16.09	16.20	16.24
	25	12	16.03	16.04	16.09
	25	25	16.06	16.02	16.10
	50	0	16.04	16.03	16.02

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.27	21.61	23.41	24.75	33.01
16QAM	18.93	20.51	22.07	23.65	33.01
64QAM	17.99	19.62	21.13	22.76	33.01
256QAM	16.02	16.33	19.16	19.47	33.01

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

LTE Band 38, PC3, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 37825	CH 38000	CH 38175
			2577.5 MHz	2595 MHz	2612.5 MHz
QPSK	1	0	21.43	21.50	21.56
	1	37	21.43	21.50	21.58
	1	74	21.27	21.31	21.40
	36	0	20.46	20.54	20.57
	36	19	20.40	20.51	20.55
	36	39	20.30	20.34	20.36
	75	0	20.39	20.43	20.46
16QAM	1	0	20.42	20.44	20.52
	1	37	20.28	20.41	20.48
	1	74	20.31	20.28	20.36
	36	0	19.10	19.14	19.23
	36	19	19.04	19.16	19.17
	36	39	18.96	19.01	19.08
	75	0	19.10	19.14	19.14
64QAM	1	0	19.41	19.46	19.59
	1	37	19.41	19.51	19.49
	1	74	19.31	19.34	19.42
	36	0	18.09	18.11	18.28
	36	19	18.05	18.11	18.13
	36	39	18.06	18.10	18.08
	75	0	17.95	18.10	18.11
256QAM	1	0	16.18	16.20	16.32
	1	37	16.13	16.19	16.31
	1	74	16.11	16.15	16.14
	36	0	16.04	16.11	16.20
	36	19	16.05	16.09	16.07
	36	39	16.03	16.07	16.11
	75	0	16.01	16.07	16.02

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.3	21.58	23.44	24.72	33.01
16QAM	18.96	20.52	22.1	23.66	33.01
64QAM	17.95	19.59	21.09	22.73	33.01
256QAM	16.01	16.32	19.15	19.46	33.01

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

LTE Band 38, PC3, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 37850	CH 38000	CH 38150
			2580 MHz	2595 MHz	2610 MHz
QPSK	1	0	21.53	21.65	21.57
	1	50	21.47	21.63	21.55
	1	99	21.31	21.43	21.33
	50	0	20.47	20.63	20.55
	50	25	20.49	20.62	20.58
	50	50	20.33	20.38	20.34
	100	0	20.47	20.53	20.47
16QAM	1	0	20.48	20.61	20.53
	1	50	20.37	20.49	20.41
	1	99	20.32	20.38	20.38
	50	0	19.13	19.27	19.18
	50	25	19.09	19.17	19.17
	50	50	19.00	19.12	19.08
	100	0	19.14	19.16	19.16
64QAM	1	0	19.51	19.65	19.56
	1	50	19.43	19.58	19.51
	1	99	19.40	19.46	19.41
	50	0	18.09	18.29	18.19
	50	25	18.09	18.18	18.14
	50	50	18.06	18.12	18.11
	100	0	18.02	18.16	18.11
256QAM	1	0	16.27	16.38	16.29
	1	50	16.21	16.35	16.29
	1	99	16.16	16.19	16.18
	50	0	16.10	16.26	16.20
	50	25	16.07	16.17	16.11
	50	50	16.06	16.15	16.09
	100	0	16.08	16.12	16.10

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.33	21.65	23.47	24.79	33.01
16QAM	19	20.61	22.14	23.75	33.01
64QAM	18.02	19.65	21.16	22.79	33.01
256QAM	16.06	16.38	19.2	19.52	33.01

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

7.1.14 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	25.61	25.78	25.84
	1	12	25.57	25.73	25.71
	1	24	25.32	25.43	25.36
	12	0	24.84	24.91	24.88
	12	6	24.71	24.86	24.77
	12	13	24.63	24.82	24.73
	25	0	24.81	24.89	24.89
16QAM	1	0	24.64	24.68	24.62
	1	12	24.43	24.59	24.48
	1	24	24.43	24.43	24.49
	12	0	23.24	23.39	23.31
	12	6	23.06	23.17	23.13
	12	13	23.08	23.17	23.12
	25	0	23.15	23.20	23.09
64QAM	1	0	23.55	23.70	23.65
	1	12	23.55	23.59	23.56
	1	24	23.37	23.47	23.42
	12	0	22.26	22.39	22.30
	12	6	22.09	22.28	22.22
	12	13	22.14	22.21	22.20
	25	0	22.14	22.18	22.18
256QAM	1	0	20.32	20.46	20.42
	1	12	20.43	20.46	20.34
	1	24	20.08	20.25	20.13
	12	0	20.19	20.34	20.24
	12	6	20.23	20.34	20.24
	12	13	20.13	20.29	20.19
	25	0	20.03	20.21	20.19

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	24.63	25.84	28.44	29.65	33.01
16QAM	23.06	24.68	26.87	28.49	33.01
64QAM	22.09	23.7	25.9	27.51	33.01
256QAM	20.03	20.46	23.84	24.27	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	25.52	25.75	25.77
	1	24	25.59	25.72	25.70
	1	49	25.25	25.41	25.29
	25	0	24.80	24.86	24.85
	25	12	24.75	24.87	24.85
	25	25	24.64	24.79	24.70
	50	0	24.77	24.87	24.90
16QAM	1	0	24.65	24.69	24.66
	1	24	24.47	24.50	24.52
	1	49	24.35	24.53	24.46
	25	0	23.24	23.33	23.32
	25	12	23.12	23.24	23.19
	25	25	23.05	23.20	23.15
	50	0	23.17	23.29	23.18
64QAM	1	0	23.50	23.75	23.60
	1	24	23.56	23.67	23.62
	1	49	23.38	23.51	23.49
	25	0	22.26	22.35	22.27
	25	12	22.06	22.27	22.20
	25	25	22.05	22.23	22.20
	50	0	22.12	22.26	22.13
256QAM	1	0	20.33	20.49	20.36
	1	24	20.33	20.48	20.38
	1	49	20.14	20.24	20.11
	25	0	20.16	20.29	20.32
	25	12	20.21	20.28	20.30
	25	25	20.18	20.27	20.18
	50	0	20.06	20.20	20.16

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	24.64	25.77	28.45	29.58	33.01
16QAM	23.05	24.69	26.86	28.5	33.01
64QAM	22.05	23.75	25.86	27.56	33.01
256QAM	20.06	20.49	23.87	24.3	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	25.52	25.75	25.77
	1	37	25.62	25.74	25.65
	1	74	25.32	25.42	25.32
	36	0	24.83	24.89	24.90
	36	19	24.76	24.88	24.85
	36	39	24.65	24.80	24.70
	75	0	24.79	24.88	24.90
16QAM	1	0	24.60	24.69	24.68
	1	37	24.41	24.57	24.50
	1	74	24.39	24.50	24.49
	36	0	23.30	23.31	23.32
	36	19	23.14	23.17	23.22
	36	39	23.10	23.17	23.11
	75	0	23.08	23.22	23.13
64QAM	1	0	23.54	23.65	23.57
	1	37	23.50	23.66	23.54
	1	74	23.36	23.52	23.48
	36	0	22.23	22.32	22.31
	36	19	22.05	22.25	22.19
	36	39	22.15	22.26	22.14
	75	0	22.09	22.24	22.12
256QAM	1	0	20.35	20.45	20.32
	1	37	20.41	20.49	20.43
	1	74	20.10	20.24	20.14
	36	0	20.14	20.32	20.26
	36	19	20.19	20.34	20.27
	36	39	20.20	20.21	20.16
	75	0	20.05	20.15	20.22

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	24.65	25.77	28.46	29.58	33.01
16QAM	23.08	24.69	26.89	28.5	33.01
64QAM	22.05	23.66	25.86	27.47	33.01
256QAM	20.05	20.49	23.86	24.3	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	25.62	25.85	25.84
	1	50	25.65	25.81	25.75
	1	99	25.33	25.43	25.39
	50	0	24.85	24.94	24.93
	50	25	24.77	24.93	24.87
	50	50	24.72	24.85	24.76
	100	0	24.83	24.91	24.90
16QAM	1	0	24.69	24.71	24.69
	1	50	24.50	24.60	24.57
	1	99	24.45	24.53	24.51
	50	0	23.34	23.41	23.35
	50	25	23.16	23.26	23.22
	50	50	23.12	23.22	23.18
	100	0	23.18	23.29	23.19
64QAM	1	0	23.57	23.75	23.66
	1	50	23.56	23.69	23.64
	1	99	23.41	23.55	23.50
	50	0	22.31	22.42	22.36
	50	25	22.13	22.30	22.22
	50	50	22.15	22.29	22.23
	100	0	22.17	22.26	22.19
256QAM	1	0	20.37	20.49	20.42
	1	50	20.43	20.51	20.43
	1	99	20.18	20.29	20.20
	50	0	20.24	20.37	20.33
	50	25	20.26	20.34	20.31
	50	50	20.21	20.31	20.23
	100	0	20.13	20.22	20.22

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	24.72	25.85	28.53	29.66	33.01
16QAM	23.12	24.71	26.93	28.52	33.01
64QAM	22.13	23.75	25.94	27.56	33.01
256QAM	20.13	20.51	23.94	24.32	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	22.92	23.24	23.24
	1	12	23.11	23.30	23.12
	1	24	23.00	23.18	23.07
	12	0	22.21	22.34	22.16
	12	6	22.09	22.22	22.24
	12	13	22.10	22.15	22.11
	25	0	22.18	22.28	22.25
16QAM	1	0	22.02	22.16	22.03
	1	12	21.85	21.85	21.77
	1	24	21.58	21.81	21.67
	12	0	20.57	20.78	20.59
	12	6	20.54	20.61	20.61
	12	13	20.45	20.62	20.50
	25	0	20.52	20.54	20.49
64QAM	1	0	20.96	21.17	21.09
	1	12	21.01	21.10	21.08
	1	24	20.82	20.84	20.89
	12	0	19.56	19.74	19.59
	12	6	19.65	19.67	19.69
	12	13	19.53	19.54	19.51
	25	0	19.51	19.65	19.57
256QAM	1	0	17.75	17.89	17.80
	1	12	17.65	17.79	17.75
	1	24	17.46	17.65	17.57
	12	0	17.60	17.72	17.67
	12	6	17.44	17.62	17.55
	12	13	17.43	17.62	17.59
	25	0	17.49	17.66	17.56

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	22.09	23.3	25.9	27.11	33.01
16QAM	20.45	22.16	24.26	25.97	33.01
64QAM	19.51	21.17	23.32	24.98	33.01
256QAM	17.43	17.89	21.24	21.7	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	22.93	23.32	23.21
	1	24	23.08	23.26	23.11
	1	49	23.05	23.12	23.06
	25	0	22.18	22.34	22.16
	25	12	22.10	22.26	22.24
	25	25	22.10	22.16	22.18
	50	0	22.21	22.23	22.22
16QAM	1	0	21.97	22.14	22.00
	1	24	21.80	21.89	21.76
	1	49	21.62	21.82	21.77
	25	0	20.61	20.76	20.59
	25	12	20.55	20.60	20.57
	25	25	20.46	20.57	20.56
	50	0	20.48	20.56	20.57
64QAM	1	0	21.02	21.16	21.07
	1	24	20.97	21.05	21.07
	1	49	20.90	20.87	20.87
	25	0	19.58	19.72	19.66
	25	12	19.63	19.63	19.67
	25	25	19.45	19.58	19.59
	50	0	19.49	19.69	19.53
256QAM	1	0	17.67	17.86	17.85
	1	24	17.64	17.82	17.80
	1	49	17.47	17.66	17.61
	25	0	17.52	17.67	17.58
	25	12	17.49	17.57	17.49
	25	25	17.48	17.55	17.57
	50	0	17.45	17.58	17.55

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	22.1	23.32	25.91	27.13	33.01
16QAM	20.46	22.14	24.27	25.95	33.01
64QAM	19.45	21.16	23.26	24.97	33.01
256QAM	17.45	17.86	21.26	21.67	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	22.91	23.26	23.21
	1	37	23.06	23.30	23.18
	1	74	22.98	23.17	23.05
	36	0	22.21	22.27	22.22
	36	19	22.14	22.27	22.16
	36	39	22.08	22.16	22.13
	75	0	22.26	22.27	22.26
16QAM	1	0	22.03	22.11	22.07
	1	37	21.83	21.90	21.81
	1	74	21.59	21.87	21.69
	36	0	20.54	20.71	20.66
	36	19	20.59	20.67	20.54
	36	39	20.54	20.61	20.52
	75	0	20.52	20.62	20.56
64QAM	1	0	21.00	21.18	21.06
	1	37	21.02	21.06	21.00
	1	74	20.85	20.89	20.88
	36	0	19.56	19.74	19.65
	36	19	19.66	19.65	19.66
	36	39	19.53	19.58	19.56
	75	0	19.55	19.69	19.53
256QAM	1	0	17.72	17.86	17.84
	1	37	17.66	17.78	17.77
	1	74	17.49	17.66	17.59
	36	0	17.61	17.64	17.67
	36	19	17.43	17.56	17.56
	36	39	17.43	17.63	17.56
	75	0	17.48	17.65	17.53

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	22.08	23.3	25.89	27.11	33.01
16QAM	20.52	22.11	24.33	25.92	33.01
64QAM	19.53	21.18	23.34	24.99	33.01
256QAM	17.43	17.86	21.24	21.67	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	22.94	23.34	23.27
	1	50	23.13	23.31	23.21
	1	99	23.08	23.18	23.11
	50	0	22.26	22.36	22.26
	50	25	22.17	22.27	22.26
	50	50	22.16	22.24	22.19
	100	0	22.27	22.32	22.30
16QAM	1	0	22.03	22.16	22.10
	1	50	21.85	21.95	21.86
	1	99	21.68	21.87	21.77
	50	0	20.61	20.78	20.68
	50	25	20.62	20.69	20.62
	50	50	20.54	20.65	20.60
	100	0	20.54	20.64	20.58
64QAM	1	0	21.05	21.19	21.11
	1	50	21.02	21.11	21.09
	1	99	20.91	20.94	20.93
	50	0	19.59	19.75	19.69
	50	25	19.71	19.72	19.72
	50	50	19.54	19.63	19.59
	100	0	19.55	19.70	19.61
256QAM	1	0	17.77	17.90	17.85
	1	50	17.73	17.85	17.81
	1	99	17.53	17.71	17.62
	50	0	17.61	17.72	17.67
	50	25	17.53	17.63	17.57
	50	50	17.53	17.64	17.62
	100	0	17.55	17.68	17.63

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	22.16	23.34	25.97	27.15	33.01
16QAM	20.54	22.16	24.35	25.97	33.01
64QAM	19.54	21.19	23.35	25	33.01
256QAM	17.53	17.9	21.34	21.71	33.01

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

7.1.15 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	20.61	20.52	20.44
	1	12	20.57	20.50	20.44
	1	24	20.38	20.35	20.23
	12	0	19.64	19.62	19.56
	12	6	19.61	19.61	19.43
	12	13	19.70	19.62	19.55
	25	0	19.64	19.51	19.53
16QAM	1	0	19.64	19.56	19.41
	1	12	19.57	19.58	19.50
	1	24	19.58	19.45	19.49
	12	0	18.56	18.55	18.53
	12	6	18.63	18.61	18.65
	12	13	18.62	18.62	18.56
	25	0	18.66	18.58	18.53
64QAM	1	0	18.55	18.55	18.44
	1	12	18.69	18.66	18.67
	1	24	18.64	18.61	18.63
	12	0	17.51	17.61	17.52
	12	6	17.71	17.62	17.52
	12	13	17.64	17.63	17.68
	25	0	17.62	17.54	17.51
256QAM	1	0	15.43	15.35	15.33
	1	12	15.53	15.50	15.50
	1	24	15.59	15.52	15.44
	12	0	15.56	15.38	15.41
	12	6	15.68	15.55	15.58
	12	13	15.65	15.61	15.57
	25	0	15.68	15.54	15.55

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.43	20.61	25.37	26.55	30
16QAM	18.53	19.64	24.47	25.58	30
64QAM	17.51	18.69	23.45	24.63	30
256QAM	15.33	15.68	21.27	21.62	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	20.55	20.49	20.50
	1	24	20.55	20.50	20.40
	1	49	20.43	20.32	20.30
	25	0	19.67	19.61	19.56
	25	12	19.60	19.58	19.44
	25	25	19.61	19.57	19.55
	50	0	19.62	19.56	19.57
16QAM	1	0	19.65	19.48	19.46
	1	24	19.65	19.51	19.49
	1	49	19.62	19.50	19.43
	25	0	18.54	18.57	18.57
	25	12	18.59	18.64	18.62
	25	25	18.66	18.60	18.53
	50	0	18.62	18.61	18.56
64QAM	1	0	18.59	18.56	18.40
	1	24	18.69	18.65	18.69
	1	49	18.73	18.70	18.59
	25	0	17.53	17.51	17.55
	25	12	17.67	17.56	17.48
	25	25	17.73	17.70	17.65
	50	0	17.64	17.56	17.58
256QAM	1	0	15.43	15.40	15.32
	1	24	15.53	15.53	15.51
	1	49	15.51	15.49	15.45
	25	0	15.49	15.45	15.41
	25	12	15.66	15.54	15.57
	25	25	15.63	15.58	15.60
	50	0	15.60	15.54	15.56

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.44	20.55	25.38	26.49	30
16QAM	18.53	19.65	24.47	25.59	30
64QAM	17.48	18.73	23.42	24.67	30
256QAM	15.32	15.66	21.26	21.60	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	20.55	20.53	20.42
	1	37	20.62	20.50	20.42
	1	74	20.40	20.34	20.26
	36	0	19.71	19.56	19.52
	36	19	19.63	19.61	19.46
	36	39	19.67	19.57	19.60
	75	0	19.63	19.55	19.48
16QAM	1	0	19.62	19.50	19.40
	1	37	19.57	19.54	19.46
	1	74	19.52	19.46	19.50
	36	0	18.56	18.57	18.57
	36	19	18.65	18.63	18.65
	36	39	18.69	18.55	18.55
	75	0	18.57	18.60	18.61
64QAM	1	0	18.54	18.50	18.48
	1	37	18.76	18.64	18.61
	1	74	18.69	18.62	18.53
	36	0	17.53	17.52	17.55
	36	19	17.69	17.56	17.49
	36	39	17.70	17.70	17.63
	75	0	17.63	17.57	17.55
256QAM	1	0	15.37	15.35	15.27
	1	37	15.58	15.51	15.53
	1	74	15.58	15.48	15.45
	36	0	15.49	15.43	15.36
	36	19	15.63	15.62	15.54
	36	39	15.68	15.60	15.50
	75	0	15.65	15.57	15.51

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.46	20.62	25.40	26.56	30
16QAM	18.55	19.62	24.49	25.56	30
64QAM	17.49	18.76	23.43	24.70	30
256QAM	15.27	15.68	21.21	21.62	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	20.64	20.55	20.51
	1	50	20.63	20.55	20.50
	1	99	20.45	20.40	20.32
	50	0	19.74	19.64	19.57
	50	25	19.69	19.61	19.52
	50	50	19.70	19.67	19.63
	100	0	19.68	19.60	19.57
16QAM	1	0	19.67	19.57	19.48
	1	50	19.66	19.58	19.52
	1	99	19.62	19.52	19.52
	50	0	18.63	18.61	18.60
	50	25	18.68	18.66	18.65
	50	50	18.71	18.63	18.60
	100	0	18.67	18.62	18.62
64QAM	1	0	18.61	18.59	18.50
	1	50	18.77	18.70	18.70
	1	99	18.73	18.70	18.63
	50	0	17.61	17.61	17.57
	50	25	17.75	17.66	17.58
	50	50	17.74	17.73	17.71
	100	0	17.70	17.63	17.59
256QAM	1	0	15.43	15.40	15.35
	1	50	15.62	15.60	15.58
	1	99	15.61	15.54	15.47
	50	0	15.56	15.47	15.42
	50	25	15.73	15.64	15.61
	50	50	15.72	15.63	15.60
	100	0	15.69	15.64	15.58

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.52	20.64	25.46	26.58	30
16QAM	18.60	19.67	24.54	25.61	30
64QAM	17.57	18.77	23.51	24.71	30
256QAM	15.35	15.73	21.29	21.67	30

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

7.1.16 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	16.66	16.74	17.33
	1	12	17.03	17.04	17.21
	1	24	17.22	17.16	17.29
	12	0	16.97	17.04	17.24
	12	6	17.09	16.97	17.10
	12	13	17.08	17.09	17.15
	25	0	16.94	17.14	17.13
16QAM	1	0	17.09	16.97	17.19
	1	12	16.92	17.00	17.11
	1	24	17.04	17.09	17.22
	12	0	17.14	17.12	17.28
	12	6	16.89	16.95	17.20
	12	13	17.15	17.10	17.17
	25	0	17.04	17.14	17.17
64QAM	1	0	16.80	16.87	17.03
	1	12	17.01	17.09	17.27
	1	24	16.96	16.87	17.12
	12	0	16.93	17.10	17.13
	12	6	17.14	17.24	17.27
	12	13	17.24	17.32	17.36
	25	0	17.21	17.25	17.31
256QAM	1	0	15.45	15.44	15.69
	1	12	15.62	15.72	15.73
	1	24	15.62	15.58	15.74
	12	0	15.48	15.66	15.74
	12	6	15.71	15.80	15.83
	12	13	15.71	15.74	15.82
	25	0	15.60	15.72	15.85

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	16.66	17.33	21.97	22.64	30
16QAM	16.89	17.28	22.20	22.59	30
64QAM	16.80	17.36	22.11	22.67	30
256QAM	15.44	15.85	20.75	21.16	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	16.75	16.82	17.34
	1	24	17.01	17.00	17.18
	1	49	17.18	17.13	17.27
	25	0	16.90	17.05	17.24
	25	12	17.08	17.04	17.18
	25	25	17.10	17.16	17.21
	50	0	16.97	17.14	17.14
16QAM	1	0	17.02	16.97	17.18
	1	24	16.83	16.99	17.06
	1	49	17.05	17.05	17.24
	25	0	17.08	17.14	17.23
	25	12	16.91	17.05	17.20
	25	25	17.12	17.14	17.25
	50	0	17.03	17.12	17.12
64QAM	1	0	16.89	16.90	17.01
	1	24	16.96	17.00	17.29
	1	49	16.91	16.92	17.10
	25	0	16.98	17.07	17.09
	25	12	17.12	17.25	17.20
	25	25	17.21	17.23	17.34
	50	0	17.20	17.17	17.29
256QAM	1	0	15.47	15.51	15.64
	1	24	15.58	15.68	15.76
	1	49	15.70	15.56	15.75
	25	0	15.42	15.67	15.78
	25	12	15.67	15.72	15.92
	25	25	15.69	15.68	15.87
	50	0	15.66	15.67	15.88

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	16.75	17.34	22.06	22.65	30
16QAM	16.83	17.25	22.14	22.56	30
64QAM	16.89	17.34	22.20	22.65	30
256QAM	15.42	15.92	20.73	21.23	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	16.74	16.81	17.37
	1	37	17.06	17.09	17.14
	1	74	17.21	17.14	17.31
	36	0	16.99	17.08	17.18
	36	19	17.00	17.05	17.10
	36	39	17.05	17.15	17.20
	75	0	17.01	17.13	17.20
16QAM	1	0	17.05	17.06	17.17
	1	37	16.88	16.90	17.08
	1	74	17.06	17.08	17.22
	36	0	17.10	17.12	17.23
	36	19	16.94	16.98	17.10
	36	39	17.07	17.11	17.21
	75	0	17.04	17.09	17.20
64QAM	1	0	16.80	16.85	16.98
	1	37	17.05	17.04	17.29
	1	74	16.90	16.91	17.10
	36	0	16.91	17.05	17.16
	36	19	17.12	17.27	17.30
	36	39	17.26	17.32	17.37
	75	0	17.14	17.20	17.36
256QAM	1	0	15.48	15.46	15.68
	1	37	15.64	15.64	15.73
	1	74	15.70	15.58	15.70
	36	0	15.42	15.62	15.68
	36	19	15.66	15.79	15.87
	36	39	15.66	15.74	15.86
	75	0	15.62	15.64	15.84

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	16.74	17.37	22.05	22.68	30
16QAM	16.88	17.23	22.19	22.54	30
64QAM	16.80	17.37	22.11	22.68	30
256QAM	15.42	15.87	20.73	21.18	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	16.75	16.84	17.42
	1	50	17.07	17.10	17.21
	1	99	17.23	17.20	17.32
	50	0	16.99	17.12	17.24
	50	25	17.10	17.06	17.20
	50	50	17.10	17.19	17.25
	100	0	17.03	17.18	17.20
16QAM	1	0	17.10	17.06	17.19
	1	50	16.92	17.00	17.13
	1	99	17.07	17.14	17.25
	50	0	17.17	17.21	17.28
	50	25	16.98	17.05	17.20
	50	50	17.17	17.18	17.25
	100	0	17.04	17.16	17.21
64QAM	1	0	16.89	16.95	17.04
	1	50	17.05	17.10	17.30
	1	99	17.00	16.94	17.13
	50	0	17.01	17.11	17.19
	50	25	17.19	17.27	17.30
	50	50	17.31	17.32	17.41
	100	0	17.22	17.27	17.39
256QAM	1	0	15.52	15.54	15.71
	1	50	15.65	15.72	15.79
	1	99	15.70	15.66	15.76
	50	0	15.52	15.68	15.78
	50	25	15.75	15.80	15.93
	50	50	15.73	15.76	15.91
	100	0	15.69	15.74	15.89

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	16.75	17.42	22.06	22.73	30
16QAM	16.92	17.28	22.23	22.59	30
64QAM	16.89	17.41	22.20	22.72	30
256QAM	15.52	15.93	20.83	21.24	30

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

7.1.17 LTE Band 66

LTE Band 66, Channel Bandwidth: 1.4 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 131979	CH 132322	CH 132665
			1710.7 MHz	1745 MHz	1779.3 MHz
QPSK	1	0	20.78	20.85	21.04
	1	2	21.01	20.93	20.95
	1	5	20.88	20.87	20.97
	3	0	20.93	20.92	21.03
	3	1	20.91	20.87	21.04
	3	3	20.88	20.83	21.04
	6	0	19.84	19.89	19.99
16QAM	1	0	20.04	20.04	20.15
	1	2	19.87	19.98	20.07
	1	5	19.89	19.75	19.87
	3	0	19.82	19.81	19.80
	3	1	19.71	19.68	19.85
	3	3	19.82	19.68	19.85
	6	0	18.74	18.54	18.60
64QAM	1	0	18.82	18.77	18.82
	1	2	18.70	18.86	18.86
	1	5	18.82	18.82	18.91
	3	0	18.75	18.71	18.80
	3	1	18.71	18.54	18.90
	3	3	18.62	18.58	18.63
	6	0	17.74	17.75	17.76
256QAM	1	0	15.90	15.92	16.13
	1	2	15.77	15.56	15.71
	1	5	15.76	15.65	15.71
	3	0	15.76	15.62	15.77
	3	1	15.64	15.58	15.67
	3	3	15.70	15.66	15.75
	6	0	15.81	15.70	15.91

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.84	21.04	23.85	25.05	30
16QAM	18.54	20.15	22.55	24.16	30
64QAM	17.74	18.91	21.75	22.92	30
256QAM	15.56	16.13	19.57	20.14	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	20.96	20.90	21.15
	1	7	21.03	20.98	21.00
	1	14	20.94	20.86	20.99
	8	0	20.02	19.91	20.13
	8	3	20.01	19.90	20.01
	8	7	20.03	20.01	20.04
	15	0	20.06	19.98	20.06
16QAM	1	0	20.15	20.07	20.23
	1	7	20.06	20.02	20.14
	1	14	19.95	19.90	19.99
	8	0	18.82	18.85	18.91
	8	3	18.79	18.74	18.85
	8	7	18.87	18.77	18.84
	15	0	18.78	18.67	18.74
64QAM	1	0	18.84	18.79	19.03
	1	7	18.80	18.86	18.98
	1	14	18.92	18.86	19.03
	8	0	17.84	17.79	17.81
	8	3	17.82	17.72	17.85
	8	7	17.69	17.70	17.85
	15	0	17.84	17.78	17.90
256QAM	1	0	16.04	16.00	16.11
	1	7	15.69	15.74	15.70
	1	14	15.85	15.78	15.86
	8	0	15.82	15.78	15.84
	8	3	15.63	15.67	15.67
	8	7	15.71	15.75	15.89
	15	0	15.84	15.87	15.92

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.9	21.15	23.91	25.16	30
16QAM	18.67	20.23	22.68	24.24	30
64QAM	17.69	19.03	21.7	23.04	30
256QAM	15.63	16.11	19.64	20.12	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	20.86	20.91	21.09
	1	12	21.03	20.93	21.08
	1	24	20.87	20.87	21.02
	12	0	20.07	19.98	20.09
	12	6	19.97	19.98	20.05
	12	13	20.04	20.05	20.02
	25	0	20.01	19.98	19.99
16QAM	1	0	20.13	20.09	20.19
	1	12	20.01	20.00	20.08
	1	24	19.93	19.87	20.01
	12	0	18.84	18.81	18.89
	12	6	18.78	18.70	18.82
	12	13	18.84	18.78	18.84
	25	0	18.70	18.72	18.83
64QAM	1	0	18.85	18.80	18.96
	1	12	18.81	18.77	18.99
	1	24	18.97	18.90	19.02
	12	0	17.80	17.81	17.85
	12	6	17.80	17.72	17.82
	12	13	17.74	17.71	17.78
	25	0	17.85	17.79	17.87
256QAM	1	0	16.05	16.04	16.07
	1	12	15.75	15.74	15.73
	1	24	15.80	15.82	15.81
	12	0	15.87	15.80	15.81
	12	6	15.64	15.70	15.70
	12	13	15.70	15.78	15.80
	25	0	15.88	15.88	15.94

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.97	21.09	23.98	25.1	30
16QAM	18.7	20.19	22.71	24.2	30
64QAM	17.71	19.02	21.72	23.03	30
256QAM	15.64	16.07	19.65	20.08	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	20.87	20.82	21.10
	1	24	21.02	20.91	21.06
	1	49	20.89	20.91	20.99
	25	0	20.01	19.91	20.10
	25	12	20.05	19.93	20.09
	25	25	19.98	20.02	20.05
	50	0	20.06	19.91	20.04
16QAM	1	0	20.20	20.05	20.24
	1	24	20.02	20.03	20.16
	1	49	19.92	19.92	20.03
	25	0	18.84	18.84	18.95
	25	12	18.77	18.74	18.89
	25	25	18.86	18.82	18.90
	50	0	18.78	18.71	18.81
64QAM	1	0	18.92	18.87	19.03
	1	24	18.80	18.82	18.91
	1	49	18.93	18.88	19.00
	25	0	17.78	17.78	17.85
	25	12	17.76	17.67	17.87
	25	25	17.72	17.68	17.85
	50	0	17.82	17.80	17.84
256QAM	1	0	16.04	15.98	16.09
	1	24	15.76	15.68	15.79
	1	49	15.81	15.82	15.76
	25	0	15.88	15.76	15.83
	25	12	15.70	15.68	15.75
	25	25	15.80	15.76	15.80
	50	0	15.88	15.84	15.94

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.91	21.1	23.92	25.11	30
16QAM	18.71	20.24	22.72	24.25	30
64QAM	17.67	19.03	21.68	23.04	30
256QAM	15.68	16.09	19.69	20.1	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	20.92	20.86	21.09
	1	37	21.05	20.98	21.02
	1	74	20.89	20.86	20.97
	36	0	20.06	19.93	20.12
	36	19	20.01	19.96	20.10
	36	39	20.07	20.03	20.09
	75	0	20.05	20.01	20.06
16QAM	1	0	20.16	20.05	20.24
	1	37	19.99	20.04	20.11
	1	74	19.94	19.87	20.05
	36	0	18.90	18.77	18.92
	36	19	18.77	18.73	18.85
	36	39	18.93	18.77	18.89
	75	0	18.72	18.68	18.77
64QAM	1	0	18.92	18.78	18.96
	1	37	18.89	18.81	18.90
	1	74	18.97	18.95	18.99
	36	0	17.80	17.74	17.83
	36	19	17.80	17.68	17.84
	36	39	17.76	17.67	17.79
	75	0	17.84	17.79	17.85
256QAM	1	0	15.98	16.00	16.04
	1	37	15.75	15.77	15.77
	1	74	15.86	15.79	15.80
	36	0	15.84	15.78	15.86
	36	19	15.63	15.66	15.75
	36	39	15.78	15.79	15.89
	75	0	15.91	15.86	15.89

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.93	21.09	23.94	25.1	30
16QAM	18.68	20.24	22.69	24.25	30
64QAM	17.67	18.99	21.68	23	30
256QAM	15.63	16.04	19.64	20.05	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	20.96	20.92	21.17
	1	50	21.08	21.01	21.10
	1	99	20.97	20.96	21.06
	50	0	20.07	20.01	20.14
	50	25	20.06	19.98	20.10
	50	50	20.08	20.05	20.09
	100	0	20.07	20.01	20.09
16QAM	1	0	20.21	20.14	20.28
	1	50	20.07	20.07	20.16
	1	99	19.96	19.95	20.05
	50	0	18.90	18.86	18.96
	50	25	18.81	18.76	18.91
	50	50	18.93	18.85	18.93
	100	0	18.78	18.75	18.84
64QAM	1	0	18.94	18.88	19.04
	1	50	18.90	18.87	18.99
	1	99	18.98	18.95	19.05
	50	0	17.87	17.83	17.87
	50	25	17.82	17.76	17.90
	50	50	17.76	17.73	17.85
	100	0	17.89	17.88	17.90
256QAM	1	0	16.08	16.08	16.14
	1	50	15.78	15.78	15.79
	1	99	15.86	15.84	15.86
	50	0	15.89	15.84	15.89
	50	25	15.73	15.70	15.77
	50	50	15.80	15.80	15.90
	100	0	15.93	15.91	15.95

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.98	21.17	23.99	25.18	30
16QAM	18.75	20.28	22.76	24.29	30
64QAM	17.73	19.05	21.74	23.06	30
256QAM	15.7	16.14	19.71	20.15	30

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

7.1.18 LTE Band 71

LTE Band 71, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 133147	CH 133297	CH 133447
			665.5 MHz	680.5 MHz	695.5 MHz
QPSK	1	0	22.95	23.11	23.05
	1	12	22.91	23.01	22.88
	1	24	22.83	22.99	22.94
	12	0	22.06	22.12	22.14
	12	6	21.97	22.13	22.03
	12	13	21.94	22.11	22.05
	25	0	22.02	22.09	22.02
16QAM	1	0	22.31	22.40	22.33
	1	12	22.24	22.34	22.28
	1	24	22.22	22.36	22.20
	12	0	21.17	21.20	21.17
	12	6	21.11	21.30	21.26
	12	13	21.18	21.28	21.24
	25	0	21.09	21.21	21.19
64QAM	1	0	21.30	21.45	21.43
	1	12	21.12	21.23	21.27
	1	24	21.00	21.10	21.05
	12	0	20.25	20.31	20.26
	12	6	20.09	20.22	20.12
	12	13	20.07	20.21	20.11
	25	0	20.12	20.26	20.26
256QAM	1	0	18.21	18.29	18.18
	1	12	18.17	18.24	18.26
	1	24	18.13	18.21	18.14
	12	0	18.15	18.24	18.13
	12	6	18.09	18.18	18.17
	12	13	17.95	18.11	18.03
	25	0	18.17	18.28	18.28

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.94	23.11	21.44	22.61	34.77
16QAM	21.09	22.4	20.59	21.9	34.77
64QAM	20.07	21.45	19.57	20.95	34.77
256QAM	17.95	18.29	17.45	17.79	34.77

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

LTE Band 71, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 133172	CH 133297	CH 133422
			668 MHz	680.5 MHz	693 MHz
QPSK	1	0	22.97	23.12	23.01
	1	24	22.87	23.05	22.90
	1	49	22.87	22.94	22.91
	25	0	22.00	22.17	22.15
	25	12	21.99	22.08	22.07
	25	25	21.97	22.08	22.05
	50	0	22.06	22.13	22.07
16QAM	1	0	22.26	22.36	22.39
	1	24	22.32	22.34	22.32
	1	49	22.18	22.28	22.29
	25	0	21.13	21.25	21.17
	25	12	21.08	21.28	21.23
	25	25	21.25	21.23	21.21
	50	0	21.09	21.23	21.27
64QAM	1	0	21.31	21.44	21.35
	1	24	21.11	21.25	21.28
	1	49	21.07	21.08	21.05
	25	0	20.20	20.34	20.23
	25	12	20.07	20.19	20.16
	25	25	20.11	20.23	20.18
	50	0	20.13	20.28	20.24
256QAM	1	0	18.20	18.29	18.15
	1	24	18.10	18.30	18.19
	1	49	18.15	18.15	18.16
	25	0	18.20	18.19	18.12
	25	12	18.09	18.18	18.16
	25	25	17.99	18.18	18.00
	50	0	18.14	18.29	18.24

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.97	23.12	21.47	22.62	34.77
16QAM	21.08	22.39	20.58	21.89	34.77
64QAM	20.07	21.44	19.57	20.94	34.77
256QAM	17.99	18.3	17.49	17.8	34.77

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

LTE Band 71, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 133197	CH 133297	CH 133397
			670.5 MHz	680.5 MHz	690.5 MHz
QPSK	1	0	22.92	23.16	23.04
	1	37	22.89	23.05	22.94
	1	74	22.86	22.97	22.92
	36	0	22.05	22.15	22.09
	36	19	22.00	22.05	22.05
	36	39	21.90	22.06	22.02
	75	0	22.06	22.13	22.04
16QAM	1	0	22.34	22.43	22.40
	1	37	22.24	22.35	22.31
	1	74	22.20	22.29	22.28
	36	0	21.19	21.18	21.15
	36	19	21.10	21.24	21.24
	36	39	21.20	21.23	21.24
	75	0	21.16	21.21	21.27
64QAM	1	0	21.35	21.39	21.44
	1	37	21.21	21.32	21.26
	1	74	21.09	21.12	21.14
	36	0	20.18	20.33	20.26
	36	19	20.15	20.18	20.10
	36	39	20.03	20.19	20.08
	75	0	20.15	20.23	20.16
256QAM	1	0	18.15	18.26	18.25
	1	37	18.20	18.30	18.23
	1	74	18.09	18.17	18.14
	36	0	18.11	18.21	18.22
	36	19	18.02	18.23	18.11
	36	39	18.02	18.15	18.04
	75	0	18.15	18.27	18.22

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.9	23.16	21.4	22.66	34.77
16QAM	21.1	22.43	20.6	21.93	34.77
64QAM	20.03	21.44	19.53	20.94	34.77
256QAM	18.02	18.3	17.52	17.8	34.77

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

LTE Band 71, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 133222	CH 133297	CH 133372
			673 MHz	680.5 MHz	688 MHz
QPSK	1	0	22.97	23.18	23.10
	1	50	22.93	23.08	22.98
	1	99	22.91	23.02	23.00
	50	0	22.07	22.19	22.16
	50	25	22.07	22.15	22.09
	50	50	22.00	22.13	22.05
	100	0	22.11	22.14	22.11
16QAM	1	0	22.36	22.45	22.42
	1	50	22.34	22.44	22.37
	1	99	22.27	22.38	22.30
	50	0	21.23	21.26	21.25
	50	25	21.18	21.31	21.28
	50	50	21.26	21.32	21.26
	100	0	21.18	21.28	21.28
64QAM	1	0	21.40	21.46	21.45
	1	50	21.21	21.33	21.29
	1	99	21.10	21.16	21.14
	50	0	20.25	20.34	20.29
	50	25	20.15	20.25	20.18
	50	50	20.12	20.24	20.18
	100	0	20.22	20.33	20.26
256QAM	1	0	18.22	18.35	18.25
	1	50	18.20	18.34	18.27
	1	99	18.19	18.24	18.19
	50	0	18.20	18.29	18.22
	50	25	18.12	18.26	18.20
	50	50	18.05	18.18	18.10
	100	0	18.24	18.33	18.28

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22	23.18	21.5	22.68	34.77
16QAM	21.18	22.45	20.68	21.95	34.77
64QAM	20.12	21.46	19.62	20.96	34.77
256QAM	18.05	18.35	17.55	17.85	34.77

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

Mode B: External Ant

7.1.19 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	22.34	22.38	22.60
	1	2	22.40	22.34	22.64
	1	5	22.45	22.57	22.59
	3	0	22.54	22.65	22.62
	3	1	22.58	22.50	22.62
	3	3	22.43	22.46	22.55
	6	0	21.38	21.51	21.54
16QAM	1	0	21.88	21.88	21.97
	1	2	21.65	21.73	21.97
	1	5	21.64	21.73	21.75
	3	0	21.53	21.65	21.55
	3	1	21.47	21.57	21.49
	3	3	21.56	21.48	21.64
	6	0	20.55	20.48	20.62
64QAM	1	0	20.72	20.83	20.81
	1	2	20.69	20.70	20.60
	1	5	20.62	20.68	20.75
	3	0	20.42	20.57	20.56
	3	1	20.67	20.52	20.70
	3	3	20.46	20.61	20.62
	6	0	19.38	19.55	19.58
256QAM	1	0	17.76	17.82	17.91
	1	2	17.41	17.54	17.62
	1	5	17.43	17.48	17.58
	3	0	17.58	17.62	17.71
	3	1	17.30	17.45	17.56
	3	3	17.53	17.60	17.58
	6	0	17.47	17.46	17.63

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.38	22.65	26.38	27.65	33.01
16QAM	20.48	21.97	25.48	26.97	33.01
64QAM	19.38	20.83	24.38	25.83	33.01
256QAM	17.3	17.91	22.3	22.91	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	22.50	22.54	22.64
	1	7	22.39	22.53	22.60
	1	14	22.53	22.64	22.66
	8	0	21.62	21.71	21.77
	8	3	21.50	21.60	21.70
	8	7	21.61	21.58	21.68
	15	0	21.51	21.64	21.68
16QAM	1	0	21.87	21.98	22.04
	1	7	21.82	21.88	21.99
	1	14	21.80	21.85	21.87
	8	0	20.61	20.64	20.64
	8	3	20.60	20.59	20.69
	8	7	20.61	20.62	20.62
	15	0	20.55	20.56	20.72
64QAM	1	0	20.87	20.84	20.86
	1	7	20.73	20.71	20.79
	1	14	20.78	20.81	20.82
	8	0	19.52	19.55	19.61
	8	3	19.65	19.72	19.64
	8	7	19.55	19.60	19.67
	15	0	19.47	19.60	19.68
256QAM	1	0	17.94	17.90	17.89
	1	7	17.55	17.58	17.70
	1	14	17.50	17.56	17.64
	8	0	17.61	17.67	17.70
	8	3	17.50	17.55	17.62
	8	7	17.59	17.63	17.69
	15	0	17.54	17.64	17.62

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.5	22.66	26.5	27.66	33.01
16QAM	20.55	22.04	25.55	27.04	33.01
64QAM	19.47	20.87	24.47	25.87	33.01
256QAM	17.5	17.94	22.5	22.94	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	22.45	22.54	22.61
	1	12	22.40	22.49	22.58
	1	24	22.55	22.68	22.62
	12	0	21.57	21.71	21.74
	12	6	21.54	21.66	21.67
	12	13	21.60	21.65	21.59
	25	0	21.57	21.55	21.67
16QAM	1	0	21.93	21.95	22.09
	1	12	21.84	21.87	21.92
	1	24	21.78	21.88	21.82
	12	0	20.58	20.70	20.66
	12	6	20.58	20.62	20.59
	12	13	20.63	20.72	20.63
	25	0	20.63	20.61	20.64
64QAM	1	0	20.81	20.88	20.87
	1	12	20.68	20.78	20.81
	1	24	20.69	20.78	20.83
	12	0	19.55	19.55	19.62
	12	6	19.66	19.72	19.71
	12	13	19.55	19.61	19.66
	25	0	19.47	19.57	19.67
256QAM	1	0	17.89	17.92	17.90
	1	12	17.58	17.60	17.65
	1	24	17.57	17.62	17.59
	12	0	17.64	17.67	17.67
	12	6	17.47	17.57	17.62
	12	13	17.63	17.69	17.74
	25	0	17.55	17.57	17.63

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.54	22.68	26.54	27.68	33.01
16QAM	20.58	22.09	25.58	27.09	33.01
64QAM	19.47	20.88	24.47	25.88	33.01
256QAM	17.47	17.92	22.47	22.92	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	22.43	22.53	22.68
	1	24	22.39	22.47	22.65
	1	49	22.50	22.67	22.58
	25	0	21.64	21.75	21.68
	25	12	21.56	21.62	21.64
	25	25	21.55	21.65	21.63
	50	0	21.51	21.59	21.66
16QAM	1	0	21.92	21.92	22.05
	1	24	21.84	21.86	21.91
	1	49	21.78	21.84	21.88
	25	0	20.59	20.62	20.71
	25	12	20.58	20.64	20.67
	25	25	20.65	20.64	20.62
	50	0	20.58	20.59	20.72
64QAM	1	0	20.78	20.79	20.85
	1	24	20.70	20.74	20.73
	1	49	20.73	20.79	20.79
	25	0	19.50	19.55	19.63
	25	12	19.70	19.64	19.69
	25	25	19.50	19.57	19.68
	50	0	19.44	19.62	19.68
256QAM	1	0	17.90	17.90	17.97
	1	24	17.58	17.64	17.65
	1	49	17.60	17.59	17.59
	25	0	17.65	17.69	17.74
	25	12	17.44	17.60	17.58
	25	25	17.57	17.59	17.73
	50	0	17.59	17.66	17.64

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.51	22.68	26.51	27.68	33.01
16QAM	20.58	22.05	25.58	27.05	33.01
64QAM	19.44	20.85	24.44	25.85	33.01
256QAM	17.44	17.97	22.44	22.97	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	22.45	22.47	22.60
	1	37	22.47	22.53	22.61
	1	74	22.57	22.59	22.58
	36	0	21.66	21.70	21.72
	36	19	21.52	21.68	21.69
	36	39	21.59	21.62	21.62
	75	0	21.48	21.61	21.67
16QAM	1	0	21.86	21.93	22.10
	1	37	21.80	21.86	21.97
	1	74	21.74	21.88	21.88
	36	0	20.65	20.65	20.69
	36	19	20.64	20.59	20.62
	36	39	20.63	20.63	20.71
	75	0	20.60	20.62	20.65
64QAM	1	0	20.77	20.80	20.86
	1	37	20.72	20.80	20.71
	1	74	20.68	20.81	20.86
	36	0	19.58	19.58	19.70
	36	19	19.67	19.72	19.67
	36	39	19.54	19.65	19.72
	75	0	19.50	19.62	19.62
256QAM	1	0	17.88	17.89	17.91
	1	37	17.60	17.54	17.68
	1	74	17.54	17.63	17.63
	36	0	17.65	17.61	17.69
	36	19	17.47	17.60	17.59
	36	39	17.63	17.69	17.70
	75	0	17.57	17.67	17.67

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.48	22.61	26.48	27.61	33.01
16QAM	20.59	22.1	25.59	27.1	33.01
64QAM	19.5	20.86	24.5	25.86	33.01
256QAM	17.47	17.91	22.47	22.91	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	22.51	22.55	22.69
	1	50	22.47	22.57	22.66
	1	99	22.59	22.68	22.68
	50	0	21.66	21.75	21.78
	50	25	21.60	21.69	21.71
	50	50	21.62	21.65	21.68
	100	0	21.57	21.64	21.70
16QAM	1	0	21.96	22.02	22.11
	1	50	21.84	21.92	22.01
	1	99	21.81	21.88	21.91
	50	0	20.67	20.70	20.72
	50	25	20.67	20.68	20.69
	50	50	20.69	20.72	20.72
	100	0	20.64	20.66	20.73
64QAM	1	0	20.87	20.89	20.90
	1	50	20.78	20.80	20.81
	1	99	20.78	20.84	20.89
	50	0	19.59	19.62	19.70
	50	25	19.73	19.74	19.74
	50	50	19.59	19.65	19.73
	100	0	19.52	19.62	19.69
256QAM	1	0	17.94	17.94	17.97
	1	50	17.60	17.64	17.71
	1	99	17.60	17.66	17.69
	50	0	17.70	17.70	17.74
	50	25	17.52	17.62	17.64
	50	50	17.64	17.69	17.77
	100	0	17.62	17.67	17.71

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.57	22.69	26.57	27.69	33.01
16QAM	20.64	22.11	25.64	27.11	33.01
64QAM	19.52	20.9	24.52	25.9	33.01
256QAM	17.52	17.97	22.52	22.97	33.01

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

7.1.20 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	22.57	22.65	22.88
	1	2	22.67	22.61	22.86
	1	5	22.72	22.78	22.83
	3	0	22.78	22.89	22.83
	3	1	22.82	22.80	22.84
	3	3	22.66	22.70	22.83
	6	0	21.61	21.78	21.75
16QAM	1	0	22.15	22.12	22.19
	1	2	21.86	21.98	22.26
	1	5	21.92	21.98	21.96
	3	0	21.81	21.87	21.83
	3	1	21.75	21.85	21.73
	3	3	21.80	21.72	21.88
	6	0	20.76	20.72	20.89
64QAM	1	0	20.93	21.11	21.10
	1	2	20.91	20.91	20.88
	1	5	20.89	20.92	20.96
	3	0	20.71	20.85	20.82
	3	1	20.89	20.73	20.97
	3	3	20.69	20.89	20.86
	6	0	19.60	19.81	19.79
256QAM	1	0	18.00	18.11	18.21
	1	2	17.63	17.80	17.87
	1	5	17.65	17.73	17.88
	3	0	17.88	17.85	17.94
	3	1	17.56	17.68	17.80
	3	3	17.74	17.86	17.88
	6	0	17.77	17.68	17.89

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.61	22.89	26.61	27.89	30
16QAM	20.72	22.26	25.72	27.26	30
64QAM	19.6	21.11	24.6	26.11	30
256QAM	17.56	18.21	22.56	23.21	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	22.75	22.80	22.88
	1	7	22.60	22.79	22.82
	1	14	22.78	22.88	22.95
	8	0	21.85	21.93	22.03
	8	3	21.72	21.90	21.96
	8	7	21.91	21.80	21.98
	15	0	21.75	21.85	21.98
16QAM	1	0	22.15	22.21	22.32
	1	7	22.07	22.18	22.27
	1	14	22.03	22.12	22.09
	8	0	20.84	20.87	20.91
	8	3	20.84	20.81	20.93
	8	7	20.84	20.85	20.89
	15	0	20.81	20.82	20.94
64QAM	1	0	21.17	21.14	21.10
	1	7	20.94	20.96	21.06
	1	14	21.02	21.07	21.09
	8	0	19.77	19.82	19.91
	8	3	19.94	20.02	19.88
	8	7	19.83	19.82	19.90
	15	0	19.69	19.86	19.95
256QAM	1	0	18.20	18.14	18.17
	1	7	17.79	17.81	17.96
	1	14	17.78	17.77	17.86
	8	0	17.90	17.93	17.93
	8	3	17.74	17.84	17.90
	8	7	17.85	17.84	17.93
	15	0	22.75	22.80	22.88

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.72	22.95	26.72	27.95	30
16QAM	20.81	22.32	25.81	27.32	30
64QAM	19.69	21.17	24.69	26.17	30
256QAM	17.74	22.88	22.74	27.88	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	22.73	22.78	22.91
	1	12	22.70	22.75	22.79
	1	24	22.84	22.93	22.92
	12	0	21.79	21.99	21.99
	12	6	21.77	21.92	21.88
	12	13	21.85	21.93	21.86
	25	0	21.78	21.77	21.96
16QAM	1	0	22.15	22.19	22.37
	1	12	22.06	22.08	22.14
	1	24	22.07	22.13	22.10
	12	0	20.83	21.00	20.91
	12	6	20.78	20.86	20.82
	12	13	20.93	20.98	20.88
	25	0	20.90	20.83	20.93
64QAM	1	0	21.07	21.10	21.08
	1	12	20.96	21.07	21.08
	1	24	20.98	21.02	21.10
	12	0	19.83	19.76	19.84
	12	6	19.90	19.93	19.91
	12	13	19.78	19.89	19.93
	25	0	19.69	19.86	19.94
256QAM	1	0	18.17	18.14	18.14
	1	12	17.85	17.82	17.88
	1	24	17.79	17.85	17.88
	12	0	17.87	17.89	17.90
	12	6	17.68	17.84	17.91
	12	13	17.85	17.97	17.95
	25	0	17.84	17.84	17.87

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.77	22.93	26.77	27.93	30
16QAM	20.78	22.37	25.78	27.37	30
64QAM	19.69	21.1	24.69	26.1	30
256QAM	17.68	18.17	22.68	23.17	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	22.68	22.83	22.95
	1	24	22.65	22.76	22.88
	1	49	22.77	22.91	22.79
	25	0	21.89	22.00	21.97
	25	12	21.79	21.92	21.85
	25	25	21.81	21.94	21.90
	50	0	21.72	21.82	21.91
16QAM	1	0	22.17	22.13	22.27
	1	24	22.10	22.16	22.12
	1	49	22.08	22.08	22.12
	25	0	20.89	20.92	20.94
	25	12	20.87	20.90	20.96
	25	25	20.90	20.90	20.90
	50	0	20.85	20.89	21.02
64QAM	1	0	21.02	21.07	21.06
	1	24	20.93	21.04	21.01
	1	49	20.98	21.03	21.03
	25	0	19.80	19.76	19.86
	25	12	20.00	19.85	19.93
	25	25	19.76	19.82	19.91
	50	0	19.69	19.87	19.90
256QAM	1	0	18.16	18.17	18.25
	1	24	17.85	17.86	17.95
	1	49	17.84	17.86	17.87
	25	0	17.95	17.97	17.97
	25	12	17.66	17.89	17.83
	25	25	17.79	17.89	18.00
	50	0	17.85	17.90	17.86

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.72	22.95	26.72	27.95	30
16QAM	20.85	22.27	25.85	27.27	30
64QAM	19.69	21.07	24.69	26.07	30
256QAM	17.66	18.25	22.66	23.25	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	22.68	22.73	22.89
	1	37	22.72	22.79	22.85
	1	74	22.79	22.83	22.87
	36	0	21.87	22.00	21.93
	36	19	21.73	21.93	21.94
	36	39	21.83	21.88	21.86
	75	0	21.73	21.84	21.89
16QAM	1	0	22.15	22.15	22.32
	1	37	22.03	22.13	22.19
	1	74	22.04	22.10	22.12
	36	0	20.95	20.86	20.91
	36	19	20.87	20.84	20.84
	36	39	20.87	20.89	21.00
	75	0	20.82	20.85	20.87
64QAM	1	0	21.04	21.09	21.15
	1	37	20.99	21.08	20.99
	1	74	20.95	21.03	21.12
	36	0	19.80	19.79	19.94
	36	19	19.95	19.97	19.96
	36	39	19.83	19.92	19.97
	75	0	19.71	19.88	19.87
256QAM	1	0	18.16	18.17	18.18
	1	37	17.84	17.80	17.96
	1	74	17.75	17.91	17.90
	36	0	17.93	17.89	17.92
	36	19	17.73	17.82	17.85
	36	39	17.89	17.90	17.94
	75	0	17.83	17.90	17.93

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.73	22.89	26.73	27.89	30
16QAM	20.82	22.32	25.82	27.32	30
64QAM	19.71	21.15	24.71	26.15	30
256QAM	17.73	18.18	22.73	23.18	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	22.80	22.79	22.96
	1	50	22.77	22.79	22.92
	1	99	22.87	22.95	22.93
	50	0	21.96	22.04	22.06
	50	25	21.83	21.96	21.96
	50	50	21.90	21.87	21.89
	100	0	21.79	21.92	21.92
16QAM	1	0	22.19	22.26	22.33
	1	50	22.11	22.18	22.29
	1	99	22.05	22.13	22.18
	50	0	20.94	20.95	20.99
	50	25	20.92	20.95	20.98
	50	50	20.91	20.99	20.95
	100	0	20.88	20.93	20.99
64QAM	1	0	21.16	21.19	21.18
	1	50	21.06	21.05	21.08
	1	99	21.07	21.10	21.16
	50	0	19.83	19.92	20.00
	50	25	20.03	20.01	19.95
	50	50	19.89	19.94	19.97
	100	0	19.74	19.92	19.91
256QAM	1	0	18.22	18.15	18.24
	1	50	17.86	17.91	17.92
	1	99	17.87	17.87	17.90
	50	0	17.98	17.97	18.03
	50	25	17.82	17.89	17.89
	50	50	17.86	17.97	18.05
	100	0	17.92	17.97	17.92

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.79	22.96	26.79	27.96	30
16QAM	20.88	22.33	25.88	27.33	30
64QAM	19.74	21.19	24.74	26.19	30
256QAM	17.82	18.24	22.82	23.24	30

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

7.1.21 LTE Band 5

LTE Band 5, Channel Bandwidth: 1.4 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 20407	CH 20525	CH 20643
			824.7 MHz	836.5 MHz	848.3 MHz
QPSK	1	0	23.28	23.07	23.01
	1	2	23.04	22.93	22.95
	1	5	23.06	23.02	22.86
	3	0	23.19	23.08	22.94
	3	1	23.18	23.07	23.06
	3	3	23.25	23.22	23.04
	6	0	22.33	22.18	22.12
16QAM	1	0	22.30	22.30	22.33
	1	2	22.39	22.27	22.30
	1	5	22.39	22.31	22.25
	3	0	22.21	22.19	22.17
	3	1	22.20	22.20	22.04
	3	3	22.30	22.30	22.03
	6	0	21.24	21.31	21.19
64QAM	1	0	21.40	21.30	21.21
	1	2	21.33	21.38	21.28
	1	5	21.18	21.09	21.05
	3	0	21.22	21.22	21.13
	3	1	21.17	21.21	21.13
	3	3	21.28	21.22	21.09
	6	0	20.29	20.25	20.17
256QAM	1	0	18.25	18.15	18.22
	1	2	18.31	18.17	18.19
	1	5	18.19	18.11	17.99
	3	0	18.19	18.20	18.13
	3	1	18.20	18.25	18.28
	3	3	18.22	18.26	18.09
	6	0	18.22	18.31	18.11

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.12	23.28	24.97	26.13	38.45
16QAM	21.19	22.39	24.04	25.24	38.45
64QAM	20.17	21.4	23.02	24.25	38.45
256QAM	17.99	18.31	20.84	21.16	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	23.24	23.16	23.09
	1	7	23.16	23.08	23.02
	1	14	23.18	23.13	22.97
	8	0	22.36	22.26	22.19
	8	3	22.26	22.16	22.21
	8	7	22.28	22.17	22.12
	15	0	22.33	22.22	22.15
16QAM	1	0	22.54	22.36	22.33
	1	7	22.50	22.47	22.36
	1	14	22.45	22.41	22.31
	8	0	21.30	21.30	21.25
	8	3	21.27	21.22	21.19
	8	7	21.37	21.23	21.21
	15	0	21.27	21.28	21.26
64QAM	1	0	21.46	21.48	21.39
	1	7	21.37	21.34	21.29
	1	14	21.22	21.10	21.09
	8	0	20.34	20.30	20.24
	8	3	20.31	20.22	20.26
	8	7	20.25	20.26	20.19
	15	0	20.33	20.33	20.22
256QAM	1	0	18.31	18.30	18.31
	1	7	18.31	18.32	18.24
	1	14	18.21	18.12	18.13
	8	0	18.34	18.15	18.18
	8	3	18.33	18.34	18.34
	8	7	18.21	18.26	18.21
	15	0	18.35	18.30	18.27

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.12	23.24	24.97	26.09	38.45
16QAM	21.19	22.54	24.04	25.39	38.45
64QAM	20.19	21.48	23.04	24.33	38.45
256QAM	18.12	18.35	20.97	21.2	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	23.27	23.11	23.14
	1	12	23.20	23.08	23.03
	1	24	23.19	23.10	23.03
	12	0	22.32	22.21	22.18
	12	6	22.23	22.18	22.16
	12	13	22.25	22.20	22.16
	25	0	22.29	22.22	22.15
16QAM	1	0	22.48	22.36	22.34
	1	12	22.52	22.40	22.45
	1	24	22.45	22.41	22.28
	12	0	21.31	21.32	21.30
	12	6	21.27	21.28	21.18
	12	13	21.29	21.23	21.13
	25	0	21.36	21.37	21.23
64QAM	1	0	21.46	21.39	21.35
	1	12	21.36	21.35	21.29
	1	24	21.22	21.16	21.08
	12	0	20.36	20.21	20.15
	12	6	20.35	20.30	20.25
	12	13	20.26	20.22	20.21
	25	0	20.38	20.33	20.17
256QAM	1	0	18.38	18.36	18.30
	1	12	18.37	18.33	18.20
	1	24	18.23	18.22	18.13
	12	0	18.29	18.22	18.16
	12	6	18.39	18.34	18.26
	12	13	18.25	18.23	18.21
	25	0	18.32	18.28	18.24

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.15	23.27	25	26.12	38.45
16QAM	21.13	22.52	23.98	25.37	38.45
64QAM	20.15	21.46	23	24.31	38.45
256QAM	18.13	18.39	20.98	21.24	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	23.30	23.16	23.16
	1	24	23.24	23.14	23.06
	1	49	23.19	23.14	23.04
	25	0	22.37	22.29	22.19
	25	12	22.29	22.25	22.24
	25	25	22.31	22.26	22.21
	50	0	22.39	22.29	22.19
16QAM	1	0	22.54	22.46	22.43
	1	24	22.53	22.50	22.46
	1	49	22.48	22.44	22.38
	25	0	21.39	21.34	21.31
	25	12	21.35	21.31	21.24
	25	25	21.38	21.33	21.23
	50	0	21.37	21.37	21.31
64QAM	1	0	21.53	21.48	21.40
	1	24	21.45	21.42	21.36
	1	49	21.24	21.16	21.11
	25	0	20.39	20.31	20.25
	25	12	20.38	20.30	20.26
	25	25	20.33	20.27	20.27
	50	0	20.43	20.34	20.24
256QAM	1	0	18.39	18.39	18.33
	1	24	18.40	18.38	18.29
	1	49	18.28	18.22	18.20
	25	0	18.34	18.25	18.25
	25	12	18.40	18.37	18.34
	25	25	18.31	18.30	18.21
	50	0	18.38	18.33	18.32

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.19	23.3	25.04	26.15	38.45
16QAM	21.23	22.54	24.08	25.39	38.45
64QAM	20.24	21.53	23.09	24.38	38.45
256QAM	18.2	18.4	21.05	21.25	38.45

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

7.1.22 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	20.77	21.20	21.40
	1	12	21.03	21.18	21.17
	1	24	21.18	21.17	21.25
	12	0	21.04	21.15	21.11
	12	6	21.23	21.30	21.31
	12	13	20.30	20.37	20.42
	25	0	21.22	21.21	21.27
16QAM	1	0	20.67	20.70	20.66
	1	12	21.35	21.41	21.41
	1	24	21.30	21.33	21.30
	12	0	21.20	21.26	21.27
	12	6	20.96	20.98	21.11
	12	13	21.03	21.14	21.21
	25	0	20.69	20.79	20.80
64QAM	1	0	20.82	20.90	20.89
	1	12	21.11	21.22	21.27
	1	24	21.05	21.11	21.02
	12	0	21.17	21.20	21.27
	12	6	20.71	20.68	20.79
	12	13	21.11	21.13	21.14
	25	0	20.91	20.99	21.09
256QAM	1	0	18.50	18.60	18.63
	1	12	18.31	18.33	18.43
	1	24	17.82	17.86	17.99
	12	0	18.12	18.21	18.24
	12	6	18.03	18.05	18.16
	12	13	18.11	18.24	18.22
	25	0	18.03	18.16	18.19

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.3	21.4	25.3	26.4	33.01
16QAM	20.66	21.41	25.66	26.41	33.01
64QAM	20.68	21.27	25.68	26.27	33.01
256QAM	17.82	18.63	22.82	23.63	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	20.80	21.22	21.40
	1	24	21.09	21.09	21.18
	1	49	21.13	21.24	21.18
	25	0	21.07	21.15	21.17
	25	12	21.14	21.27	21.27
	25	25	20.30	20.34	20.45
	50	0	21.19	21.21	21.27
16QAM	1	0	20.64	20.66	20.68
	1	24	21.35	21.33	21.43
	1	49	21.28	21.31	21.40
	25	0	21.20	21.22	21.34
	25	12	20.90	21.00	21.04
	25	25	21.02	21.13	21.18
	50	0	20.66	20.70	20.83
64QAM	1	0	20.82	20.88	20.95
	1	24	21.11	21.24	21.24
	1	49	21.03	21.06	21.09
	25	0	21.16	21.25	21.33
	25	12	20.69	20.73	20.79
	25	25	21.09	21.20	21.16
	50	0	20.88	20.96	21.09
256QAM	1	0	18.56	18.57	18.60
	1	24	18.26	18.30	18.37
	1	49	17.85	17.87	18.06
	25	0	18.16	18.21	18.30
	25	12	18.02	18.05	18.12
	25	25	18.14	18.17	18.27
	50	0	17.97	18.11	18.16

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.3	21.4	25.3	26.4	33.01
16QAM	20.64	21.43	25.64	26.43	33.01
64QAM	20.69	21.33	25.69	26.33	33.01
256QAM	17.85	18.6	22.85	23.6	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	20.79	21.13	21.40
	1	37	21.08	21.17	21.15
	1	74	21.14	21.17	21.20
	36	0	21.02	21.17	21.09
	36	19	21.16	21.25	21.27
	36	39	20.23	20.37	20.41
	75	0	21.13	21.22	21.21
16QAM	1	0	20.62	20.60	20.69
	1	37	21.33	21.41	21.42
	1	74	21.30	21.33	21.32
	36	0	21.13	21.27	21.28
	36	19	20.98	20.99	21.07
	36	39	21.03	21.11	21.19
	75	0	20.67	20.72	20.77
64QAM	1	0	20.84	20.82	20.93
	1	37	21.20	21.20	21.23
	1	74	21.00	21.09	21.08
	36	0	21.19	21.20	21.34
	36	19	20.70	20.73	20.77
	36	39	21.17	21.14	21.16
	75	0	20.86	21.02	21.11
256QAM	1	0	18.58	18.59	18.57
	1	37	18.29	18.36	18.36
	1	74	17.84	17.91	18.02
	36	0	18.15	18.20	18.27
	36	19	17.95	18.04	18.17
	36	39	18.17	18.25	18.24
	75	0	18.05	18.12	18.21

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.23	21.4	25.23	26.4	33.01
16QAM	20.6	21.42	25.6	26.42	33.01
64QAM	20.7	21.34	25.7	26.34	33.01
256QAM	17.84	18.59	22.84	23.59	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	20.82	21.22	21.48
	1	50	21.12	21.19	21.22
	1	99	21.23	21.24	21.25
	50	0	21.07	21.17	21.19
	50	25	21.23	21.30	21.31
	50	50	20.33	20.41	20.48
	100	0	21.22	21.28	21.31
16QAM	1	0	20.70	20.70	20.72
	1	50	21.41	21.42	21.45
	1	99	21.31	21.37	21.40
	50	0	21.23	21.28	21.37
	50	25	20.99	21.08	21.11
	50	50	21.10	21.18	21.25
	100	0	20.74	20.79	20.85
64QAM	1	0	20.86	20.91	20.97
	1	50	21.21	21.29	21.31
	1	99	21.10	21.12	21.12
	50	0	21.20	21.25	21.34
	50	25	20.73	20.78	20.85
	50	50	21.17	21.21	21.23
	100	0	20.95	21.05	21.14
256QAM	1	0	18.59	18.64	18.64
	1	50	18.34	18.39	18.44
	1	99	17.86	17.96	18.06
	50	0	18.21	18.25	18.34
	50	25	18.05	18.14	18.21
	50	50	18.21	18.27	18.31
	100	0	18.07	18.17	18.26

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.33	21.48	25.33	26.48	33.01
16QAM	20.7	21.45	25.7	26.45	33.01
64QAM	20.73	21.34	25.73	26.34	33.01
256QAM	17.86	18.64	22.86	23.64	33.01

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

7.1.23 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	23.02	22.99	22.97
	1	2	22.87	22.95	22.84
	1	5	22.85	22.91	22.92
	3	0	23.09	23.03	23.05
	3	1	22.95	22.92	22.89
	3	3	23.03	22.80	22.88
	6	0	22.01	21.75	21.82
16QAM	1	0	22.18	22.08	22.04
	1	2	22.08	21.97	22.10
	1	5	22.12	21.96	22.09
	3	0	22.09	21.91	22.00
	3	1	21.97	21.84	21.91
	3	3	22.02	21.81	21.95
	6	0	21.12	21.03	21.12
64QAM	1	0	21.13	21.09	21.09
	1	2	21.19	20.97	21.14
	1	5	20.81	20.70	20.78
	3	0	21.09	20.94	20.88
	3	1	21.09	21.14	21.03
	3	3	20.96	20.90	20.95
	6	0	20.10	20.05	20.03
256QAM	1	0	18.07	18.01	17.94
	1	2	18.01	17.94	18.00
	1	5	17.88	17.87	17.95
	3	0	18.05	17.98	17.91
	3	1	18.18	17.97	18.04
	3	3	18.04	17.73	17.91
	6	0	18.12	18.09	18.07

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.75	23.09	24.6	25.94	34.77
16QAM	21.03	22.18	23.88	25.03	34.77
64QAM	20.03	21.19	22.88	24.04	34.77
256QAM	17.73	18.18	20.58	21.03	34.77

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

LTE Band 12, Channel Bandwidth: 3 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23025	CH 23095	CH 23165
			700.5 MHz	707.5 MHz	714.5 MHz
QPSK	1	0	23.06	23.00	23.11
	1	7	23.00	22.95	23.01
	1	14	22.98	22.97	22.91
	8	0	22.09	22.05	22.07
	8	3	22.02	22.02	21.99
	8	7	22.03	21.97	21.94
	15	0	22.08	21.84	21.89
16QAM	1	0	22.18	22.10	22.12
	1	7	22.22	22.10	22.21
	1	14	22.21	22.04	22.05
	8	0	21.13	20.99	20.98
	8	3	21.00	20.89	20.92
	8	7	21.06	21.00	20.99
	15	0	21.16	21.04	21.14
64QAM	1	0	21.27	21.13	21.18
	1	7	21.16	21.13	21.14
	1	14	20.98	20.72	20.83
	8	0	20.13	20.03	20.08
	8	3	20.23	20.12	20.16
	8	7	20.17	20.05	20.08
	15	0	20.23	20.08	20.13
256QAM	1	0	18.09	17.92	18.09
	1	7	18.15	18.05	18.01
	1	14	18.01	17.93	17.97
	8	0	18.10	18.07	18.06
	8	3	18.13	18.13	18.09
	8	7	18.06	17.86	17.97
	15	0	18.20	18.17	18.13

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.84	23.11	24.69	25.96	34.77
16QAM	20.89	22.22	23.74	25.07	34.77
64QAM	20.03	21.27	22.88	24.12	34.77
256QAM	17.86	18.2	20.71	21.05	34.77

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

LTE Band 12, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23035	CH 23095	CH 23155
			701.5 MHz	707.5 MHz	713.5 MHz
QPSK	1	0	23.07	23.00	23.09
	1	12	23.01	22.91	22.97
	1	24	22.98	22.97	22.96
	12	0	22.08	22.04	22.13
	12	6	22.07	22.03	21.95
	12	13	22.07	21.92	21.92
	25	0	22.04	21.82	21.93
16QAM	1	0	22.18	22.15	22.09
	1	12	22.32	22.14	22.25
	1	24	22.15	22.06	22.05
	12	0	21.10	20.98	21.06
	12	6	21.03	20.90	20.92
	12	13	21.12	21.02	21.08
	25	0	21.17	21.02	21.12
64QAM	1	0	21.31	21.22	21.13
	1	12	21.15	21.04	21.12
	1	24	20.93	20.71	20.88
	12	0	20.15	20.01	20.06
	12	6	20.19	20.17	20.22
	12	13	20.09	20.01	20.06
	25	0	20.18	20.02	20.13
256QAM	1	0	18.09	18.01	18.01
	1	12	18.05	17.97	17.99
	1	24	18.01	17.94	17.99
	12	0	18.05	18.03	18.07
	12	6	18.15	18.11	18.07
	12	13	18.09	17.95	17.96
	25	0	18.15	18.18	18.17

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.82	23.09	24.67	25.94	34.77
16QAM	20.9	22.32	23.75	25.17	34.77
64QAM	20.01	21.31	22.86	24.16	34.77
256QAM	17.94	18.18	20.79	21.03	34.77

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

LTE Band 12, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23060	CH 23095	CH 23130
			704 MHz	707.5 MHz	711 MHz
QPSK	1	0	23.15	23.02	23.12
	1	24	23.08	22.97	23.01
	1	49	23.04	22.98	22.99
	25	0	22.15	22.10	22.15
	25	12	22.12	22.03	22.04
	25	25	22.10	21.98	22.01
	50	0	22.08	21.89	21.98
16QAM	1	0	22.26	22.17	22.19
	1	24	22.32	22.18	22.27
	1	49	22.24	22.09	22.15
	25	0	21.16	21.03	21.08
	25	12	21.07	20.99	20.99
	25	25	21.16	21.04	21.08
	50	0	21.20	21.12	21.16
64QAM	1	0	21.32	21.23	21.23
	1	24	21.22	21.14	21.18
	1	49	20.98	20.79	20.89
	25	0	20.16	20.04	20.08
	25	12	20.24	20.19	20.23
	25	25	20.19	20.05	20.09
	50	0	20.25	20.08	20.17
256QAM	1	0	18.16	18.02	18.10
	1	24	18.15	18.05	18.07
	1	49	18.07	17.94	18.04
	25	0	18.13	18.08	18.08
	25	12	18.19	18.15	18.15
	25	25	18.09	17.96	18.03
	50	0	18.24	18.20	18.20

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.89	23.15	24.74	26	34.77
16QAM	20.99	22.32	23.84	25.17	34.77
64QAM	20.04	21.32	22.89	24.17	34.77
256QAM	17.94	18.24	20.79	21.09	34.77

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

7.1.24 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	23.34	23.34	23.32
	1	12	23.25	23.30	23.27
	1	24	23.16	23.20	23.17
	12	0	22.44	22.43	22.42
	12	6	22.39	22.33	22.38
	12	13	22.31	22.26	22.34
	25	0	22.39	22.36	22.38
16QAM	1	0	22.27	22.27	22.30
	1	12	22.40	22.38	22.37
	1	24	22.31	22.28	22.34
	12	0	21.19	21.25	21.20
	12	6	21.17	21.17	21.19
	12	13	21.15	21.16	21.16
	25	0	21.27	21.33	21.26
64QAM	1	0	21.37	21.44	21.44
	1	12	21.26	21.21	21.29
	1	24	21.10	21.02	21.06
	12	0	20.20	20.23	20.20
	12	6	20.22	20.31	20.25
	12	13	20.30	20.25	20.21
	25	0	20.33	20.29	20.30
256QAM	1	0	18.20	18.26	18.25
	1	12	18.19	18.22	18.21
	1	24	18.22	18.16	18.18
	12	0	18.19	18.25	18.18
	12	6	18.31	18.26	18.32
	12	13	18.17	18.18	18.17
	25	0	18.36	18.28	18.35

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.26	23.34	25.11	26.19	34.77
16QAM	21.15	22.4	24	25.25	34.77
64QAM	20.2	21.44	23.05	24.29	34.77
256QAM	18.16	18.36	21.01	21.21	34.77

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

LTE Band 13, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 23230
			782 MHz
QPSK	1	0	23.4
	1	24	23.35
	1	49	23.26
	25	0	22.45
	25	12	22.39
	25	25	22.36
	50	0	22.40
16QAM	1	0	22.37
	1	24	22.46
	1	49	22.34
	25	0	21.26
	25	12	21.19
	25	25	21.21
	50	0	21.34
64QAM	1	0	21.46
	1	24	21.31
	1	49	21.11
	25	0	20.23
	25	12	20.32
	25	25	20.31
	50	0	20.39
256QAM	1	0	18.28
	1	24	18.27
	1	49	18.22
	25	0	18.28
	25	12	18.34
	25	25	18.24
	50	0	18.37

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.36	23.4	25.21	26.25	34.77
16QAM	21.19	22.46	24.04	25.31	34.77
64QAM	20.23	21.46	23.08	24.31	34.77
256QAM	18.22	18.37	21.07	21.22	34.77

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

7.1.25 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	22.86	22.85	22.74
	1	12	22.77	22.83	22.82
	1	24	22.71	22.75	22.63
	12	0	21.70	21.74	21.65
	12	6	21.83	21.85	21.86
	12	13	21.75	21.77	21.71
	25	0	21.82	21.91	21.91
16QAM	1	0	22.28	22.26	22.25
	1	12	22.32	22.44	22.34
	1	24	22.33	22.29	22.21
	12	0	21.09	21.10	21.16
	12	6	20.97	21.06	20.97
	12	13	21.07	21.21	21.24
	25	0	21.20	21.25	21.20
64QAM	1	0	21.22	21.24	21.25
	1	12	21.17	21.18	21.16
	1	24	20.97	20.99	20.94
	12	0	20.03	20.14	20.08
	12	6	20.06	20.17	20.15
	12	13	20.31	20.27	20.20
	25	0	20.22	20.23	20.20
256QAM	1	0	18.13	18.14	18.15
	1	12	18.11	18.15	18.07
	1	24	18.15	18.16	18.21
	12	0	18.11	18.11	18.14
	12	6	18.19	18.19	18.14
	12	13	18.00	18.09	18.04
	25	0	18.18	18.24	18.12

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.65	22.86	24.5	25.71	34.77
16QAM	20.97	22.44	23.82	25.29	34.77
64QAM	20.03	21.25	22.88	24.1	34.77
256QAM	18	18.24	20.85	21.09	34.77

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

LTE Band 14, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 23330
			793 MHz
QPSK	1	0	22.91
	1	24	22.89
	1	49	22.76
	25	0	21.84
	25	12	21.91
	25	25	21.85
	50	0	21.94
16QAM	1	0	22.34
	1	24	22.44
	1	49	22.36
	25	0	21.19
	25	12	21.11
	25	25	21.24
	50	0	21.26
64QAM	1	0	21.31
	1	24	21.27
	1	49	21.06
	25	0	20.21
	25	12	20.23
	25	25	20.36
	50	0	20.31
256QAM	1	0	18.22
	1	24	18.18
	1	49	18.23
	25	0	18.18
	25	12	18.29
	25	25	18.12
	50	0	18.30

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.84	22.91	24.69	25.76	34.77
16QAM	21.11	22.44	23.96	25.29	34.77
64QAM	20.21	21.31	23.06	24.16	34.77
256QAM	18.12	18.3	20.97	21.15	34.77

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

7.1.26 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	23.09	23.19	23.13
	1	12	23.03	23.05	23.02
	1	24	22.94	22.99	22.99
	12	0	22.00	22.18	22.09
	12	6	22.13	22.26	22.20
	12	13	21.96	22.06	22.02
	25	0	22.07	22.18	22.06
16QAM	1	0	21.88	22.08	21.93
	1	12	22.09	22.16	22.11
	1	24	21.98	22.10	22.01
	12	0	20.70	20.83	20.76
	12	6	20.65	20.76	20.69
	12	13	20.71	20.90	20.85
	25	0	20.90	20.98	20.95
64QAM	1	0	20.89	21.01	20.93
	1	12	20.71	20.89	20.84
	1	24	20.72	20.71	20.71
	12	0	19.79	19.89	19.87
	12	6	19.82	19.89	19.89
	12	13	20.02	19.98	20.04
	25	0	19.93	20.01	19.92
256QAM	1	0	17.83	17.86	17.85
	1	12	17.76	17.92	17.89
	1	24	17.83	18.02	17.84
	12	0	17.71	17.78	17.71
	12	6	17.81	17.89	17.81
	12	13	17.68	17.92	17.81
	25	0	17.94	18.07	17.99

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.96	23.19	24.81	26.04	34.77
16QAM	20.65	22.16	23.5	25.01	34.77
64QAM	19.79	21.01	22.64	23.86	34.77
256QAM	17.68	18.07	20.53	20.92	34.77

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

LTE Band 17, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 23780	CH 23790	CH 23800
			709 MHz	710 MHz	711 MHz
QPSK	1	0	23.13	23.20	23.19
	1	24	23.03	23.11	23.06
	1	49	22.97	23.06	23.04
	25	0	22.07	22.21	22.17
	25	12	22.16	22.27	22.24
	25	25	22.01	22.15	22.09
	50	0	22.08	22.19	22.16
16QAM	1	0	21.95	22.12	22.03
	1	24	22.12	22.18	22.16
	1	49	22.03	22.13	22.11
	25	0	20.78	20.88	20.80
	25	12	20.75	20.85	20.76
	25	25	20.81	20.98	20.88
	50	0	20.94	21.08	21.02
64QAM	1	0	20.96	21.05	20.96
	1	24	20.81	20.98	20.88
	1	49	20.73	20.79	20.79
	25	0	19.81	19.94	19.91
	25	12	19.83	19.98	19.91
	25	25	20.03	20.08	20.07
	50	0	19.96	20.05	20.02
256QAM	1	0	17.86	17.91	17.90
	1	24	17.84	17.93	17.92
	1	49	17.84	18.04	17.94
	25	0	17.76	17.88	17.79
	25	12	17.83	17.93	17.90
	25	25	17.72	17.92	17.82
	50	0	18.04	18.07	18.05

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22.01	23.2	24.86	26.05	34.77
16QAM	20.75	22.18	23.6	25.03	34.77
64QAM	19.81	21.05	22.66	23.9	34.77
256QAM	17.72	18.07	20.57	20.92	34.77

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

7.1.27 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	22.47	22.50	22.56
	1	2	22.30	22.53	22.60
	1	5	22.52	22.63	22.51
	3	0	22.47	22.58	22.60
	3	1	22.42	22.62	22.53
	3	3	22.51	22.62	22.62
	6	0	21.41	21.51	21.49
16QAM	1	0	21.89	21.92	21.95
	1	2	21.70	21.82	21.93
	1	5	21.69	21.70	21.82
	3	0	21.43	21.60	21.64
	3	1	21.36	21.58	21.58
	3	3	21.36	21.50	21.60
	6	0	20.52	20.54	20.59
64QAM	1	0	20.62	20.67	20.75
	1	2	20.67	20.61	20.63
	1	5	20.58	20.71	20.83
	3	0	20.36	20.51	20.47
	3	1	20.34	20.60	20.56
	3	3	20.52	20.54	20.56
	6	0	19.34	19.44	19.59
256QAM	1	0	17.78	17.82	17.87
	1	2	17.49	17.57	17.60
	1	5	17.37	17.49	17.53
	3	0	17.54	17.65	17.57
	3	1	17.38	17.53	17.51
	3	3	17.49	17.61	17.67
	6	0	17.44	17.53	17.60

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.41	22.63	26.41	27.63	33.01
16QAM	20.52	21.95	25.52	26.95	33.01
64QAM	19.34	20.83	24.34	25.83	33.01
256QAM	17.37	17.87	22.37	22.87	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	22.52	22.52	22.66
	1	7	22.50	22.52	22.67
	1	14	22.52	22.54	22.62
	8	0	21.64	21.57	21.70
	8	3	21.56	21.67	21.64
	8	7	21.58	21.58	21.68
	15	0	21.47	21.58	21.59
16QAM	1	0	21.91	22.00	22.00
	1	7	21.77	21.89	22.00
	1	14	21.71	21.78	21.83
	8	0	20.52	20.62	20.67
	8	3	20.47	20.53	20.66
	8	7	20.48	20.63	20.65
	15	0	20.60	20.58	20.63
64QAM	1	0	20.72	20.80	20.88
	1	7	20.75	20.68	20.72
	1	14	20.70	20.72	20.86
	8	0	19.57	19.58	19.63
	8	3	19.55	19.59	19.71
	8	7	19.53	19.62	19.65
	15	0	19.56	19.57	19.58
256QAM	1	0	17.78	17.85	17.93
	1	7	17.64	17.67	17.63
	1	14	17.59	17.65	17.66
	8	0	17.60	17.71	17.63
	8	3	17.48	17.53	17.56
	8	7	17.52	17.68	17.69
	15	0	17.50	17.53	17.70

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.47	22.67	26.47	27.67	33.01
16QAM	20.47	22	25.47	27	33.01
64QAM	19.53	20.88	24.53	25.88	33.01
256QAM	17.48	17.93	22.48	22.93	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	22.47	22.52	22.60
	1	12	22.46	22.55	22.58
	1	24	22.53	22.62	22.63
	12	0	21.65	21.61	21.67
	12	6	21.59	21.61	21.64
	12	13	21.55	21.63	21.64
	25	0	21.52	21.51	21.60
16QAM	1	0	21.92	21.93	22.10
	1	12	21.79	21.86	21.90
	1	24	21.66	21.80	21.80
	12	0	20.53	20.58	20.61
	12	6	20.44	20.51	20.63
	12	13	20.55	20.65	20.67
	25	0	20.57	20.62	20.64
64QAM	1	0	20.78	20.76	20.85
	1	12	20.65	20.78	20.70
	1	24	20.67	20.74	20.85
	12	0	19.47	19.61	19.64
	12	6	19.51	19.63	19.72
	12	13	19.53	19.59	19.71
	25	0	19.49	19.55	19.65
256QAM	1	0	17.79	17.90	17.96
	1	12	17.67	17.62	17.64
	1	24	17.58	17.62	17.63
	12	0	17.57	17.63	17.71
	12	6	17.53	17.48	17.54
	12	13	17.57	17.67	17.74
	25	0	17.48	17.59	17.65

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.51	22.63	26.51	27.63	33.01
16QAM	20.44	22.1	25.44	27.1	33.01
64QAM	19.47	20.85	24.47	25.85	33.01
256QAM	17.48	17.96	22.48	22.96	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	22.52	22.56	22.67
	1	24	22.48	22.56	22.57
	1	49	22.57	22.57	22.57
	25	0	21.60	21.56	21.67
	25	12	21.54	21.68	21.63
	25	25	21.48	21.64	21.65
	50	0	21.43	21.59	21.59
16QAM	1	0	21.94	22.00	22.09
	1	24	21.80	21.87	21.94
	1	49	21.74	21.77	21.83
	25	0	20.61	20.58	20.64
	25	12	20.47	20.55	20.58
	25	25	20.47	20.64	20.66
	50	0	20.53	20.56	20.65
64QAM	1	0	20.80	20.82	20.87
	1	24	20.70	20.69	20.78
	1	49	20.71	20.71	20.80
	25	0	19.48	19.53	19.69
	25	12	19.57	19.56	19.69
	25	25	19.58	19.55	19.71
	50	0	19.58	19.59	19.65
256QAM	1	0	17.79	17.88	17.86
	1	24	17.60	17.62	17.62
	1	49	17.57	17.66	17.64
	25	0	17.55	17.67	17.70
	25	12	17.48	17.53	17.56
	25	25	17.54	17.63	17.68
	50	0	17.44	17.54	17.70

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.43	22.67	26.43	27.67	33.01
16QAM	20.47	22.09	25.47	27.09	33.01
64QAM	19.48	20.87	24.48	25.87	33.01
256QAM	17.44	17.88	22.44	22.88	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	22.48	22.61	22.69
	1	37	22.53	22.53	22.64
	1	74	22.47	22.56	22.53
	36	0	21.66	21.56	21.71
	36	19	21.60	21.68	21.69
	36	39	21.49	21.61	21.61
	75	0	21.47	21.50	21.61
16QAM	1	0	21.94	21.95	22.09
	1	37	21.72	21.87	22.00
	1	74	21.69	21.81	21.82
	36	0	20.54	20.66	20.69
	36	19	20.48	20.55	20.67
	36	39	20.56	20.56	20.66
	75	0	20.55	20.59	20.66
64QAM	1	0	20.81	20.73	20.80
	1	37	20.75	20.73	20.73
	1	74	20.76	20.76	20.87
	36	0	19.51	19.63	19.60
	36	19	19.50	19.65	19.69
	36	39	19.53	19.63	19.66
	75	0	19.57	19.49	19.65
256QAM	1	0	17.87	17.92	17.88
	1	37	17.65	17.66	17.68
	1	74	17.52	17.57	17.62
	36	0	17.57	17.71	17.64
	36	19	17.48	17.53	17.62
	36	39	17.55	17.61	17.76
	75	0	17.50	17.57	17.66

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.47	22.69	26.47	27.69	33.01
16QAM	20.48	22.09	25.48	27.09	33.01
64QAM	19.49	20.87	24.49	25.87	33.01
256QAM	17.48	17.92	22.48	22.92	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	22.54	22.61	22.69
	1	50	22.53	22.61	22.67
	1	99	22.57	22.63	22.63
	50	0	21.66	21.66	21.72
	50	25	21.64	21.68	21.70
	50	50	21.58	21.67	21.68
	100	0	21.53	21.60	21.68
16QAM	1	0	22.00	22.02	22.10
	1	50	21.82	21.91	22.00
	1	99	21.76	21.83	21.90
	50	0	20.62	20.68	20.71
	50	25	20.53	20.59	20.68
	50	50	20.56	20.65	20.71
	100	0	20.62	20.63	20.72
64QAM	1	0	20.81	20.83	20.89
	1	50	20.75	20.78	20.80
	1	99	20.76	20.80	20.88
	50	0	19.57	19.63	19.69
	50	25	19.57	19.65	19.73
	50	50	19.59	19.63	19.72
	100	0	19.58	19.59	19.68
256QAM	1	0	17.87	17.92	17.96
	1	50	17.68	17.68	17.70
	1	99	17.62	17.66	17.68
	50	0	17.64	17.73	17.73
	50	25	17.55	17.55	17.63
	50	50	17.62	17.70	17.76
	100	0	17.54	17.60	17.70

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	21.53	22.69	26.53	27.69	33.01
16QAM	20.53	22.1	25.53	27.1	33.01
64QAM	19.57	20.89	24.57	25.89	33.01
256QAM	17.54	17.96	22.54	22.96	33.01

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

7.1.28 LTE Band 26 (814 MHz ~ 824 MHz)

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

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26697	CH 26740	CH 26783
			814.7 MHz	819 MHz	823.3 MHz
QPSK	1	0	23.06	22.99	23.01
	1	2	22.93	23.01	22.95
	1	5	22.85	22.87	22.86
	3	0	22.01	21.96	22.03
	3	1	22.00	22.00	22.02
	3	3	21.95	21.97	21.96
	6	0	21.99	22.02	22.03
16QAM	1	0	22.02	21.96	21.99
	1	2	22.03	21.99	22.00
	1	5	22.10	22.03	22.02
	3	0	20.97	20.96	20.88
	3	1	20.89	20.89	20.91
	3	3	21.00	20.92	20.90
	6	0	20.84	20.80	20.78
64QAM	1	0	21.06	21.05	21.03
	1	2	20.86	20.89	20.85
	1	5	20.69	20.72	20.77
	3	0	19.86	19.88	19.85
	3	1	19.84	19.88	19.78
	3	3	19.87	19.79	19.82
	6	0	19.91	19.94	19.97
256QAM	1	0	17.99	17.97	18.00
	1	2	17.95	18.00	18.02
	1	5	17.67	17.70	17.75
	3	0	17.73	17.73	17.80
	3	1	17.84	17.84	17.88
	3	3	17.81	17.75	17.80
	6	0	17.84	17.85	17.82

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.95	23.06	24.8	25.91	50
16QAM	20.78	22.1	23.63	24.95	50
64QAM	19.78	21.06	22.63	23.91	50
256QAM	17.67	18.02	20.52	20.87	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	22.98	23.07	23.06
	1	7	22.99	22.98	22.91
	1	14	22.91	22.89	22.88
	8	0	21.94	21.95	21.97
	8	3	21.95	21.94	22.00
	8	7	21.97	21.92	21.97
	15	0	21.96	21.96	22.02
16QAM	1	0	22.00	21.99	21.98
	1	7	22.06	22.06	21.97
	1	14	22.05	22.05	22.08
	8	0	20.91	20.94	20.93
	8	3	20.88	20.83	20.81
	8	7	20.90	20.98	20.94
	15	0	20.80	20.75	20.85
64QAM	1	0	21.10	21.03	21.04
	1	7	20.93	20.83	20.92
	1	14	20.67	20.67	20.73
	8	0	19.85	19.88	19.86
	8	3	19.78	19.82	19.87
	8	7	19.86	19.86	19.80
	15	0	19.93	19.96	19.88
256QAM	1	0	17.96	17.93	17.97
	1	7	18.00	17.98	18.01
	1	14	17.77	17.73	17.72
	8	0	17.80	17.74	17.73
	8	3	17.83	17.89	17.88
	8	7	17.76	17.80	17.78
	15	0	17.85	17.79	17.80

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.92	23.07	24.77	25.92	50
16QAM	20.75	22.08	23.6	24.93	50
64QAM	19.78	21.1	22.63	23.95	50
256QAM	17.72	18.01	20.57	20.86	50

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

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

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26715	CH 26740	CH 26765
			816.5 MHz	819 MHz	821.5 MHz
QPSK	1	0	23.03	22.98	23.05
	1	12	22.98	23.01	22.91
	1	24	22.91	22.83	22.81
	12	0	21.99	21.94	21.94
	12	6	21.99	22.02	21.97
	12	13	21.93	21.87	21.95
	25	0	22.05	21.98	21.97
16QAM	1	0	21.95	22.02	22.02
	1	12	21.98	21.98	22.04
	1	24	22.09	22.08	22.03
	12	0	20.88	20.95	20.95
	12	6	20.87	20.88	20.85
	12	13	20.93	20.97	20.92
	25	0	20.76	20.77	20.84
64QAM	1	0	21.02	21.11	21.03
	1	12	20.88	20.85	20.93
	1	24	20.70	20.75	20.73
	12	0	19.87	19.87	19.85
	12	6	19.85	19.86	19.82
	12	13	19.81	19.78	19.78
	25	0	19.95	19.88	19.94
256QAM	1	0	17.94	17.97	17.94
	1	12	18.03	18.00	18.00
	1	24	17.75	17.75	17.67
	12	0	17.71	17.70	17.70
	12	6	17.88	17.88	17.91
	12	13	17.74	17.80	17.79
	25	0	17.78	17.76	17.83

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.87	23.05	24.72	25.9	50
16QAM	20.76	22.09	23.61	24.94	50
64QAM	19.78	21.11	22.63	23.96	50
256QAM	17.67	18.03	20.52	20.88	50

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

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

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 26740
			819 MHz
QPSK	1	0	23.08
	1	24	22.91
	1	49	22.82
	25	0	21.98
	25	12	21.99
	25	25	21.96
	50	0	21.95
16QAM	1	0	22.04
	1	24	22.02
	1	49	22.02
	25	0	20.95
	25	12	20.82
	25	25	20.97
	50	0	20.84
64QAM	1	0	21.03
	1	24	20.91
	1	49	20.70
	25	0	19.94
	25	12	19.83
	25	25	19.87
	50	0	19.92
256QAM	1	0	17.91
	1	24	17.97
	1	49	17.76
	25	0	17.79
	25	12	17.89
	25	25	17.78
	50	0	17.82

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.95	23.08	24.8	25.93	50
16QAM	20.82	22.04	23.67	24.89	50
64QAM	19.83	21.03	22.68	23.88	50
256QAM	17.76	17.97	20.61	20.82	50

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

7.1.29 LTE Band 26 (824 MHz ~ 849 MHz)

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

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 26797	CH 26915	CH 27033
			824.7 MHz	836.5 MHz	848.3 MHz
QPSK	1	0	23.03	23.14	23.07
	1	2	22.91	23.05	22.94
	1	5	22.88	22.98	22.90
	3	0	22.00	22.02	21.94
	3	1	21.94	21.96	21.95
	3	3	21.89	22.02	21.97
	6	0	22.03	22.02	22.06
16QAM	1	0	21.99	22.13	22.09
	1	2	22.02	22.19	22.11
	1	5	22.09	22.06	22.07
	3	0	20.91	20.95	20.93
	3	1	20.81	21.01	20.87
	3	3	21.00	21.02	20.98
	6	0	20.83	20.92	20.89
64QAM	1	0	21.09	21.14	21.10
	1	2	20.88	21.03	20.98
	1	5	20.74	20.85	20.72
	3	0	19.94	19.97	19.93
	3	1	19.82	19.92	19.91
	3	3	19.82	19.97	19.87
	6	0	19.90	20.09	20.01
256QAM	1	0	17.93	18.04	17.94
	1	2	17.99	18.09	18.03
	1	5	17.71	17.87	17.83
	3	0	17.77	17.93	17.86
	3	1	17.86	17.95	17.86
	3	3	17.81	17.91	17.89
	6	0	17.85	17.91	17.96

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.89	23.14	24.74	25.99	38.45
16QAM	20.81	22.19	23.66	25.04	38.45
64QAM	19.82	21.14	22.67	23.99	38.45
256QAM	17.71	18.09	20.56	20.94	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	22.99	23.10	22.98
	1	7	22.92	23.08	22.94
	1	14	22.90	22.91	22.94
	8	0	21.93	22.05	21.97
	8	3	21.94	21.99	21.98
	8	7	21.95	21.99	21.97
	15	0	21.95	22.01	21.98
16QAM	1	0	21.96	22.12	22.00
	1	7	22.04	22.10	22.14
	1	14	22.00	22.08	22.05
	8	0	20.89	20.97	21.02
	8	3	20.87	20.95	20.94
	8	7	20.94	21.05	20.95
	15	0	20.75	20.93	20.86
64QAM	1	0	21.08	21.16	21.12
	1	7	20.93	21.01	20.90
	1	14	20.70	20.83	20.74
	8	0	19.86	19.93	19.91
	8	3	19.82	19.92	19.90
	8	7	19.82	19.95	19.85
	15	0	19.98	20.05	19.97
256QAM	1	0	17.98	18.05	18.03
	1	7	17.95	18.00	17.98
	1	14	17.71	17.88	17.85
	8	0	17.76	17.88	17.82
	8	3	17.88	17.96	17.87
	8	7	17.74	17.99	17.83
	15	0	17.78	17.94	17.92

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.93	23.1	24.78	25.95	38.45
16QAM	20.75	22.14	23.6	24.99	38.45
64QAM	19.82	21.16	22.67	24.01	38.45
256QAM	17.71	18.05	20.56	20.9	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	23.01	23.05	23.07
	1	12	23.01	22.99	22.98
	1	24	22.84	22.97	22.91
	12	0	22.01	22.02	22.02
	12	6	22.02	21.95	21.96
	12	13	21.93	22.02	22.02
	25	0	21.97	22.01	22.05
16QAM	1	0	21.98	22.06	22.09
	1	12	22.04	22.13	22.10
	1	24	22.09	22.12	22.08
	12	0	20.95	20.97	20.93
	12	6	20.83	20.97	20.96
	12	13	20.98	21.02	21.01
	25	0	20.78	20.90	20.81
64QAM	1	0	21.09	21.14	21.05
	1	12	20.83	21.03	20.91
	1	24	20.73	20.80	20.73
	12	0	19.91	19.96	19.92
	12	6	19.87	19.92	19.90
	12	13	19.81	19.96	19.84
	25	0	19.91	20.03	19.97
256QAM	1	0	17.93	18.10	18.00
	1	12	17.95	18.07	18.04
	1	24	17.75	17.84	17.82
	12	0	17.78	17.93	17.82
	12	6	17.90	18.00	17.93
	12	13	17.77	18.01	17.87
	25	0	17.80	17.92	17.96

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.93	23.07	24.78	25.92	38.45
16QAM	20.78	22.13	23.63	24.98	38.45
64QAM	19.81	21.14	22.66	23.99	38.45
256QAM	17.75	18.1	20.6	20.95	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	23.05	23.08	23.04
	1	24	22.92	23.09	23.00
	1	49	22.90	22.97	22.90
	25	0	22.01	21.98	22.03
	25	12	21.94	22.05	21.95
	25	25	21.95	22.08	21.92
	50	0	21.99	22.00	22.04
16QAM	1	0	22.03	22.07	22.10
	1	24	22.02	22.19	22.11
	1	49	22.06	22.08	22.02
	25	0	20.96	20.95	21.00
	25	12	20.91	20.98	20.91
	25	25	20.95	21.07	21.00
	50	0	20.81	20.91	20.83
64QAM	1	0	21.07	21.18	21.14
	1	24	20.84	20.97	21.00
	1	49	20.72	20.80	20.73
	25	0	19.91	19.98	19.97
	25	12	19.81	19.93	19.83
	25	25	19.85	20.00	19.88
	50	0	19.94	20.05	19.95
256QAM	1	0	17.95	18.07	17.93
	1	24	18.00	18.09	17.97
	1	49	17.77	17.91	17.77
	25	0	17.73	17.88	17.85
	25	12	17.88	17.92	17.90
	25	25	17.81	17.92	17.82
	50	0	17.82	18.01	17.87

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.92	23.09	24.77	25.94	38.45
16QAM	20.81	22.19	23.66	25.04	38.45
64QAM	19.81	21.18	22.66	24.03	38.45
256QAM	17.73	18.09	20.58	20.94	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	23.07	23.15	23.08
	1	37	23.01	23.09	23.01
	1	74	22.91	22.98	22.97
	36	0	22.03	22.06	22.04
	36	19	22.02	22.05	22.04
	36	39	21.97	22.09	22.02
	75	0	22.05	22.07	22.07
16QAM	1	0	22.05	22.15	22.10
	1	37	22.06	22.20	22.16
	1	74	22.10	22.15	22.12
	36	0	20.97	21.03	21.03
	36	19	20.91	21.03	20.96
	36	39	21.00	21.07	21.04
	75	0	20.85	20.99	20.89
64QAM	1	0	21.12	21.22	21.15
	1	37	20.93	21.07	21.00
	1	74	20.77	20.87	20.80
	36	0	19.95	20.00	19.97
	36	19	19.88	19.99	19.93
	36	39	19.87	20.00	19.93
	75	0	19.98	20.10	20.01
256QAM	1	0	18.01	18.10	18.03
	1	37	18.03	18.10	18.04
	1	74	17.77	17.93	17.85
	36	0	17.80	17.97	17.88
	36	19	17.92	18.01	17.95
	36	39	17.82	18.01	17.92
	75	0	17.86	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	21.97	23.15	24.82	26	38.45
16QAM	20.85	22.2	23.7	25.05	38.45
64QAM	19.87	21.22	22.72	24.07	38.45
256QAM	17.77	18.1	20.62	20.95	38.45

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

7.1.30 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	18.79	18.81	18.80
	1	12	18.45	18.40	18.47
	1	24	18.41	18.38	18.43
	12	0	18.39	18.40	18.40
	12	6	18.40	18.36	18.37
	12	13	18.48	18.47	18.50
	25	0	18.42	18.40	18.39
16QAM	1	0	18.50	18.41	18.46
	1	12	18.45	18.41	18.40
	1	24	18.60	18.59	18.53
	12	0	18.41	18.49	18.51
	12	6	18.44	18.40	18.41
	12	13	18.28	18.28	18.26
	25	0	18.45	18.48	18.47
64QAM	1	0	18.65	18.62	18.65
	1	12	18.60	18.59	18.51
	1	24	18.44	18.49	18.41
	12	0	18.49	18.48	18.39
	12	6	18.45	18.52	18.53
	12	13	18.38	18.35	18.40
	25	0	18.35	18.31	18.31
256QAM	1	0	18.09	18.06	18.10
	1	12	18.10	18.13	18.07
	1	24	17.04	17.06	17.08
	12	0	17.92	17.99	17.99
	12	6	17.97	17.92	17.89
	12	13	17.86	17.86	17.90
	25	0	17.85	17.87	17.87

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	18.36	18.81	23.36	23.81	23.98
16QAM	18.26	18.60	23.26	23.60	23.98
64QAM	18.31	18.65	23.31	23.65	23.98
256QAM	17.04	18.13	22.04	23.13	23.98

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

LTE Band 30, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)
			CH 27710
			2310 MHz
QPSK	1	0	18.84
	1	24	18.49
	1	49	18.44
	25	0	18.43
	25	12	18.40
	25	25	18.50
	50	0	18.46
16QAM	1	0	18.50
	1	24	18.50
	1	49	18.61
	25	0	18.51
	25	12	18.45
	25	25	18.31
	50	0	18.48
64QAM	1	0	18.66
	1	24	18.61
	1	49	18.50
	25	0	18.49
	25	12	18.54
	25	25	18.43
	50	0	18.41
256QAM	1	0	18.11
	1	24	18.13
	1	49	17.09
	25	0	18.02
	25	12	17.97
	25	25	17.95
	50	0	17.95

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	18.40	18.84	23.40	23.84	23.98
16QAM	18.31	18.61	23.31	23.61	23.98
64QAM	18.41	18.66	23.41	23.66	23.98
256QAM	17.09	18.13	22.09	23.13	23.98

Note:

1. $\text{EIRP (dBm)} = \text{Cond. Power (dBm)} + \text{Antenna Gain (dBi)} + \text{Array Gain (if applicable)}$
2. Total EIRP power is less than partial EIRP limit 250 mW/5MHz.

7.1.31 LTE Band 38

LTE Band 38, PC2, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 37775	CH 38000	CH 38225
			2572.5 MHz	2595 MHz	2617.5 MHz
QPSK	1	0	24.24	24.36	24.18
	1	12	24.18	24.13	24.11
	1	24	24.01	24.13	24.02
	12	0	24.09	24.30	24.15
	12	6	24.11	24.17	24.17
	12	13	24.08	24.23	24.16
	25	0	24.26	24.24	24.26
16QAM	1	0	24.15	24.29	24.16
	1	12	24.10	24.31	24.30
	1	24	24.18	24.30	24.26
	12	0	24.31	24.37	24.24
	12	6	24.12	24.29	24.16
	12	13	23.98	24.18	24.13
	25	0	24.08	24.24	24.17
64QAM	1	0	24.07	24.02	24.08
	1	12	24.26	24.25	24.23
	1	24	24.18	24.30	24.23
	12	0	24.20	24.40	24.31
	12	6	24.09	24.23	24.11
	12	13	24.14	24.17	24.17
	25	0	24.17	24.29	24.25
256QAM	1	0	21.25	21.36	21.32
	1	12	21.46	21.54	21.47
	1	24	21.06	21.20	21.10
	12	0	21.34	21.35	21.37
	12	6	21.25	21.39	21.22
	12	13	21.03	21.12	21.11
	25	0	21.34	21.27	21.30

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	24.01	24.36	29.01	29.36	33.01
16QAM	23.98	24.37	28.98	29.37	33.01
64QAM	24.02	24.4	29.02	29.4	33.01
256QAM	21.03	21.54	26.03	26.54	33.01

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

LTE Band 38, PC2, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 37800	CH 38000	CH 38200
			2575 MHz	2595 MHz	2615 MHz
QPSK	1	0	24.20	24.38	24.17
	1	24	24.09	24.13	24.18
	1	49	24.03	24.14	24.00
	25	0	24.08	24.20	24.21
	25	12	24.11	24.21	24.25
	25	25	24.07	24.20	24.12
	50	0	24.21	24.24	24.28
16QAM	1	0	24.12	24.24	24.17
	1	24	24.10	24.31	24.30
	1	49	24.16	24.33	24.25
	25	0	24.22	24.37	24.29
	25	12	24.13	24.24	24.18
	25	25	23.96	24.23	24.14
	50	0	24.17	24.27	24.11
64QAM	1	0	24.07	24.10	24.09
	1	24	24.26	24.26	24.23
	1	49	24.19	24.38	24.22
	25	0	24.17	24.38	24.28
	25	12	24.14	24.23	24.15
	25	25	24.04	24.17	24.17
	50	0	24.26	24.19	24.23
256QAM	1	0	21.29	21.34	21.34
	1	24	21.50	21.55	21.49
	1	49	21.12	21.16	21.06
	25	0	21.30	21.39	21.33
	25	12	21.18	21.38	21.25
	25	25	21.10	21.16	21.10
	50	0	21.31	21.27	21.33

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	24	24.38	29	29.38	33.01
16QAM	23.96	24.37	28.96	29.37	33.01
64QAM	24.04	24.38	29.04	29.38	33.01
256QAM	21.06	21.55	26.06	26.55	33.01

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

LTE Band 38, PC2, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 37825	CH 38000	CH 38175
			2577.5 MHz	2595 MHz	2612.5 MHz
QPSK	1	0	24.20	24.40	24.18
	1	37	24.11	24.12	24.17
	1	74	23.99	24.06	24.02
	36	0	24.12	24.26	24.17
	36	19	24.14	24.19	24.20
	36	39	24.05	24.14	24.16
	75	0	24.23	24.31	24.29
16QAM	1	0	24.18	24.32	24.23
	1	37	24.19	24.21	24.25
	1	74	24.24	24.38	24.33
	36	0	24.25	24.35	24.33
	36	19	24.12	24.25	24.21
	36	39	24.04	24.20	24.14
	75	0	24.17	24.26	24.16
64QAM	1	0	23.97	24.04	24.07
	1	37	24.32	24.34	24.32
	1	74	24.15	24.34	24.28
	36	0	24.23	24.39	24.26
	36	19	24.10	24.17	24.06
	36	39	24.14	24.16	24.15
	75	0	24.19	24.23	24.24
256QAM	1	0	21.30	21.36	21.32
	1	37	21.49	21.52	21.54
	1	74	21.09	21.24	21.16
	36	0	21.37	21.39	21.36
	36	19	21.15	21.31	21.24
	36	39	21.07	21.15	21.09
	75	0	21.34	21.35	21.30

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	23.99	24.4	28.99	29.4	33.01
16QAM	24.04	24.38	29.04	29.38	33.01
64QAM	23.97	24.39	28.97	29.39	33.01
256QAM	21.07	21.54	26.07	26.54	33.01

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

LTE Band 38, PC2, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 37850	CH 38000	CH 38150
			2580 MHz	2595 MHz	2610 MHz
QPSK	1	0	24.24	24.43	24.26
	1	50	24.19	24.20	24.19
	1	99	24.08	24.16	24.09
	50	0	24.13	24.30	24.22
	50	25	24.17	24.26	24.26
	50	50	24.14	24.24	24.21
	100	0	24.30	24.31	24.31
16QAM	1	0	24.19	24.33	24.23
	1	50	24.20	24.31	24.30
	1	99	24.24	24.40	24.33
	50	0	24.32	24.37	24.33
	50	25	24.21	24.31	24.22
	50	50	24.05	24.24	24.14
	100	0	24.17	24.27	24.20
64QAM	1	0	24.07	24.11	24.11
	1	50	24.33	24.35	24.33
	1	99	24.25	24.38	24.29
	50	0	24.23	24.41	24.33
	50	25	24.15	24.25	24.16
	50	50	24.14	24.26	24.21
	100	0	24.26	24.29	24.29
256QAM	1	0	21.32	21.37	21.37
	1	50	21.53	21.62	21.54
	1	99	21.14	21.24	21.16
	50	0	21.37	21.45	21.38
	50	25	21.25	21.40	21.31
	50	50	21.13	21.22	21.13
	100	0	21.36	21.36	21.36

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	24.08	24.43	29.08	29.43	33.01
16QAM	24.05	24.4	29.05	29.4	33.01
64QAM	24.07	24.41	29.07	29.41	33.01
256QAM	21.13	21.62	26.13	26.62	33.01

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

LTE Band 38, PC3, Channel Bandwidth: 5 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 37775	CH 38000	CH 38225
			2572.5 MHz	2595 MHz	2617.5 MHz
QPSK	1	0	21.46	21.51	21.63
	1	12	21.41	21.54	21.63
	1	24	21.31	21.33	21.43
	12	0	20.46	20.49	20.57
	12	6	20.49	20.50	20.52
	12	13	20.27	20.31	20.37
	25	0	20.41	20.47	20.48
16QAM	1	0	20.47	20.51	20.56
	1	12	20.36	20.37	20.44
	1	24	20.24	20.30	20.30
	12	0	19.10	19.17	19.20
	12	6	19.02	19.11	19.09
	12	13	18.91	19.02	19.07
	25	0	19.13	19.08	19.09
64QAM	1	0	19.47	19.51	19.56
	1	12	19.40	19.42	19.56
	1	24	19.40	19.37	19.46
	12	0	17.99	18.13	18.23
	12	6	18.09	18.11	18.17
	12	13	17.98	18.09	18.06
	25	0	17.93	18.07	18.10
256QAM	1	0	16.19	16.29	16.35
	1	12	16.18	16.24	16.34
	1	24	16.12	16.11	16.10
	12	0	16.08	16.14	16.26
	12	6	15.97	16.03	16.10
	12	13	16.00	16.04	16.05
	25	0	16.07	16.02	16.08

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.27	21.63	25.27	26.63	33.01
16QAM	18.91	20.56	23.91	25.56	33.01
64QAM	17.93	19.56	22.93	24.56	33.01
256QAM	15.97	16.35	20.97	21.35	33.01

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

LTE Band 38, PC3, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 37800	CH 38000	CH 38200
			2575 MHz	2595 MHz	2615 MHz
QPSK	1	0	21.49	21.52	21.61
	1	24	21.47	21.50	21.53
	1	49	21.25	21.25	21.37
	25	0	20.45	20.47	20.57
	25	12	20.39	20.49	20.58
	25	25	20.31	20.27	20.32
	50	0	20.45	20.38	20.46
16QAM	1	0	20.43	20.50	20.51
	1	24	20.34	20.33	20.46
	1	49	20.22	20.30	20.28
	25	0	19.09	19.14	19.26
	25	12	19.05	19.17	19.17
	25	25	18.93	19.02	19.03
	50	0	19.04	19.08	19.08
64QAM	1	0	19.46	19.55	19.62
	1	24	19.42	19.43	19.54
	1	49	19.40	19.35	19.43
	25	0	18.02	18.17	18.29
	25	12	18.03	18.05	18.14
	25	25	18.02	18.03	18.04
	50	0	17.99	18.04	18.08
256QAM	1	0	16.18	16.25	16.31
	1	24	16.13	16.27	16.33
	1	49	16.16	16.10	16.19
	25	0	16.09	16.20	16.24
	25	12	16.03	16.04	16.09
	25	25	16.06	16.02	16.10
	50	0	16.04	16.03	16.02

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.27	21.61	25.27	26.61	33.01
16QAM	18.93	20.51	23.93	25.51	33.01
64QAM	17.99	19.62	22.99	24.62	33.01
256QAM	16.02	16.33	21.02	21.33	33.01

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

LTE Band 38, PC3, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 37825	CH 38000	CH 38175
			2577.5 MHz	2595 MHz	2612.5 MHz
QPSK	1	0	21.43	21.50	21.56
	1	37	21.43	21.50	21.58
	1	74	21.27	21.31	21.40
	36	0	20.46	20.54	20.57
	36	19	20.40	20.51	20.55
	36	39	20.30	20.34	20.36
	75	0	20.39	20.43	20.46
16QAM	1	0	20.42	20.44	20.52
	1	37	20.28	20.41	20.48
	1	74	20.31	20.28	20.36
	36	0	19.10	19.14	19.23
	36	19	19.04	19.16	19.17
	36	39	18.96	19.01	19.08
	75	0	19.10	19.14	19.14
64QAM	1	0	19.41	19.46	19.59
	1	37	19.41	19.51	19.49
	1	74	19.31	19.34	19.42
	36	0	18.09	18.11	18.28
	36	19	18.05	18.11	18.13
	36	39	18.06	18.10	18.08
	75	0	17.95	18.10	18.11
256QAM	1	0	16.18	16.20	16.32
	1	37	16.13	16.19	16.31
	1	74	16.11	16.15	16.14
	36	0	16.04	16.11	16.20
	36	19	16.05	16.09	16.07
	36	39	16.03	16.07	16.11
	75	0	16.01	16.07	16.02

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.3	21.58	25.3	26.58	33.01
16QAM	18.96	20.52	23.96	25.52	33.01
64QAM	17.95	19.59	22.95	24.59	33.01
256QAM	16.01	16.32	21.01	21.32	33.01

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

LTE Band 38, PC3, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 37850	CH 38000	CH 38150
			2580 MHz	2595 MHz	2610 MHz
QPSK	1	0	21.53	21.65	21.57
	1	50	21.47	21.63	21.55
	1	99	21.31	21.43	21.33
	50	0	20.47	20.63	20.55
	50	25	20.49	20.62	20.58
	50	50	20.33	20.38	20.34
	100	0	20.47	20.53	20.47
16QAM	1	0	20.48	20.61	20.53
	1	50	20.37	20.49	20.41
	1	99	20.32	20.38	20.38
	50	0	19.13	19.27	19.18
	50	25	19.09	19.17	19.17
	50	50	19.00	19.12	19.08
	100	0	19.14	19.16	19.16
64QAM	1	0	19.51	19.65	19.56
	1	50	19.43	19.58	19.51
	1	99	19.40	19.46	19.41
	50	0	18.09	18.29	18.19
	50	25	18.09	18.18	18.14
	50	50	18.06	18.12	18.11
	100	0	18.02	18.16	18.11
256QAM	1	0	16.27	16.38	16.29
	1	50	16.21	16.35	16.29
	1	99	16.16	16.19	16.18
	50	0	16.10	16.26	16.20
	50	25	16.07	16.17	16.11
	50	50	16.06	16.15	16.09
	100	0	16.08	16.12	16.10

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	20.33	21.65	25.33	26.65	33.01
16QAM	19	20.61	24	25.61	33.01
64QAM	18.02	19.65	23.02	24.65	33.01
256QAM	16.06	16.38	21.06	21.38	33.01

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

7.1.32 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	25.61	25.78	25.84
	1	12	25.57	25.73	25.71
	1	24	25.32	25.43	25.36
	12	0	24.84	24.91	24.88
	12	6	24.71	24.86	24.77
	12	13	24.63	24.82	24.73
	25	0	24.81	24.89	24.89
16QAM	1	0	24.64	24.68	24.62
	1	12	24.43	24.59	24.48
	1	24	24.43	24.43	24.49
	12	0	23.24	23.39	23.31
	12	6	23.06	23.17	23.13
	12	13	23.08	23.17	23.12
	25	0	23.15	23.20	23.09
64QAM	1	0	23.55	23.70	23.65
	1	12	23.55	23.59	23.56
	1	24	23.37	23.47	23.42
	12	0	22.26	22.39	22.30
	12	6	22.09	22.28	22.22
	12	13	22.14	22.21	22.20
	25	0	22.14	22.18	22.18
256QAM	1	0	20.32	20.46	20.42
	1	12	20.43	20.46	20.34
	1	24	20.08	20.25	20.13
	12	0	20.19	20.34	20.24
	12	6	20.23	20.34	20.24
	12	13	20.13	20.29	20.19
	25	0	20.03	20.21	20.19

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	24.63	25.84	29.63	30.84	33.01
16QAM	23.06	24.68	28.06	29.68	33.01
64QAM	22.09	23.7	27.09	28.7	33.01
256QAM	20.03	20.46	25.03	25.46	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	25.52	25.75	25.77
	1	24	25.59	25.72	25.70
	1	49	25.25	25.41	25.29
	25	0	24.80	24.86	24.85
	25	12	24.75	24.87	24.85
	25	25	24.64	24.79	24.70
	50	0	24.77	24.87	24.90
16QAM	1	0	24.65	24.69	24.66
	1	24	24.47	24.50	24.52
	1	49	24.35	24.53	24.46
	25	0	23.24	23.33	23.32
	25	12	23.12	23.24	23.19
	25	25	23.05	23.20	23.15
	50	0	23.17	23.29	23.18
64QAM	1	0	23.50	23.75	23.60
	1	24	23.56	23.67	23.62
	1	49	23.38	23.51	23.49
	25	0	22.26	22.35	22.27
	25	12	22.06	22.27	22.20
	25	25	22.05	22.23	22.20
	50	0	22.12	22.26	22.13
256QAM	1	0	20.33	20.49	20.36
	1	24	20.33	20.48	20.38
	1	49	20.14	20.24	20.11
	25	0	20.16	20.29	20.32
	25	12	20.21	20.28	20.30
	25	25	20.18	20.27	20.18
	50	0	20.06	20.20	20.16

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	24.64	25.77	29.64	30.77	33.01
16QAM	23.05	24.69	28.05	29.69	33.01
64QAM	22.05	23.75	27.05	28.75	33.01
256QAM	20.06	20.49	25.06	25.49	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	25.52	25.75	25.77
	1	37	25.62	25.74	25.65
	1	74	25.32	25.42	25.32
	36	0	24.83	24.89	24.90
	36	19	24.76	24.88	24.85
	36	39	24.65	24.80	24.70
	75	0	24.79	24.88	24.90
16QAM	1	0	24.60	24.69	24.68
	1	37	24.41	24.57	24.50
	1	74	24.39	24.50	24.49
	36	0	23.30	23.31	23.32
	36	19	23.14	23.17	23.22
	36	39	23.10	23.17	23.11
	75	0	23.08	23.22	23.13
64QAM	1	0	23.54	23.65	23.57
	1	37	23.50	23.66	23.54
	1	74	23.36	23.52	23.48
	36	0	22.23	22.32	22.31
	36	19	22.05	22.25	22.19
	36	39	22.15	22.26	22.14
	75	0	22.09	22.24	22.12
256QAM	1	0	20.35	20.45	20.32
	1	37	20.41	20.49	20.43
	1	74	20.10	20.24	20.14
	36	0	20.14	20.32	20.26
	36	19	20.19	20.34	20.27
	36	39	20.20	20.21	20.16
	75	0	20.05	20.15	20.22

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	24.65	25.77	29.65	30.77	33.01
16QAM	23.08	24.69	28.08	29.69	33.01
64QAM	22.05	23.66	27.05	28.66	33.01
256QAM	20.05	20.49	25.05	25.49	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	25.62	25.85	25.84
	1	50	25.65	25.81	25.75
	1	99	25.33	25.43	25.39
	50	0	24.85	24.94	24.93
	50	25	24.77	24.93	24.87
	50	50	24.72	24.85	24.76
	100	0	24.83	24.91	24.90
16QAM	1	0	24.69	24.71	24.69
	1	50	24.50	24.60	24.57
	1	99	24.45	24.53	24.51
	50	0	23.34	23.41	23.35
	50	25	23.16	23.26	23.22
	50	50	23.12	23.22	23.18
	100	0	23.18	23.29	23.19
64QAM	1	0	23.57	23.75	23.66
	1	50	23.56	23.69	23.64
	1	99	23.41	23.55	23.50
	50	0	22.31	22.42	22.36
	50	25	22.13	22.30	22.22
	50	50	22.15	22.29	22.23
	100	0	22.17	22.26	22.19
256QAM	1	0	20.37	20.49	20.42
	1	50	20.43	20.51	20.43
	1	99	20.18	20.29	20.20
	50	0	20.24	20.37	20.33
	50	25	20.26	20.34	20.31
	50	50	20.21	20.31	20.23
	100	0	20.13	20.22	20.22

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	24.72	25.85	29.72	30.85	33.01
16QAM	23.12	24.71	28.12	29.71	33.01
64QAM	22.13	23.75	27.13	28.75	33.01
256QAM	20.13	20.51	25.13	25.51	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	22.92	23.24	23.24
	1	12	23.11	23.30	23.12
	1	24	23.00	23.18	23.07
	12	0	22.21	22.34	22.16
	12	6	22.09	22.22	22.24
	12	13	22.10	22.15	22.11
	25	0	22.18	22.28	22.25
16QAM	1	0	22.02	22.16	22.03
	1	12	21.85	21.85	21.77
	1	24	21.58	21.81	21.67
	12	0	20.57	20.78	20.59
	12	6	20.54	20.61	20.61
	12	13	20.45	20.62	20.50
	25	0	20.52	20.54	20.49
64QAM	1	0	20.96	21.17	21.09
	1	12	21.01	21.10	21.08
	1	24	20.82	20.84	20.89
	12	0	19.56	19.74	19.59
	12	6	19.65	19.67	19.69
	12	13	19.53	19.54	19.51
	25	0	19.51	19.65	19.57
256QAM	1	0	17.75	17.89	17.80
	1	12	17.65	17.79	17.75
	1	24	17.46	17.65	17.57
	12	0	17.60	17.72	17.67
	12	6	17.44	17.62	17.55
	12	13	17.43	17.62	17.59
	25	0	17.49	17.66	17.56

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	22.09	23.3	27.09	28.3	33.01
16QAM	20.45	22.16	25.45	27.16	33.01
64QAM	19.51	21.17	24.51	26.17	33.01
256QAM	17.43	17.89	22.43	22.89	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	22.93	23.32	23.21
	1	24	23.08	23.26	23.11
	1	49	23.05	23.12	23.06
	25	0	22.18	22.34	22.16
	25	12	22.10	22.26	22.24
	25	25	22.10	22.16	22.18
	50	0	22.21	22.23	22.22
16QAM	1	0	21.97	22.14	22.00
	1	24	21.80	21.89	21.76
	1	49	21.62	21.82	21.77
	25	0	20.61	20.76	20.59
	25	12	20.55	20.60	20.57
	25	25	20.46	20.57	20.56
	50	0	20.48	20.56	20.57
64QAM	1	0	21.02	21.16	21.07
	1	24	20.97	21.05	21.07
	1	49	20.90	20.87	20.87
	25	0	19.58	19.72	19.66
	25	12	19.63	19.63	19.67
	25	25	19.45	19.58	19.59
	50	0	19.49	19.69	19.53
256QAM	1	0	17.67	17.86	17.85
	1	24	17.64	17.82	17.80
	1	49	17.47	17.66	17.61
	25	0	17.52	17.67	17.58
	25	12	17.49	17.57	17.49
	25	25	17.48	17.55	17.57
	50	0	17.45	17.58	17.55

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	22.1	23.32	27.1	28.32	33.01
16QAM	20.46	22.14	25.46	27.14	33.01
64QAM	19.45	21.16	24.45	26.16	33.01
256QAM	17.45	17.86	22.45	22.86	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	22.91	23.26	23.21
	1	37	23.06	23.30	23.18
	1	74	22.98	23.17	23.05
	36	0	22.21	22.27	22.22
	36	19	22.14	22.27	22.16
	36	39	22.08	22.16	22.13
	75	0	22.26	22.27	22.26
16QAM	1	0	22.03	22.11	22.07
	1	37	21.83	21.90	21.81
	1	74	21.59	21.87	21.69
	36	0	20.54	20.71	20.66
	36	19	20.59	20.67	20.54
	36	39	20.54	20.61	20.52
	75	0	20.52	20.62	20.56
64QAM	1	0	21.00	21.18	21.06
	1	37	21.02	21.06	21.00
	1	74	20.85	20.89	20.88
	36	0	19.56	19.74	19.65
	36	19	19.66	19.65	19.66
	36	39	19.53	19.58	19.56
	75	0	19.55	19.69	19.53
256QAM	1	0	17.72	17.86	17.84
	1	37	17.66	17.78	17.77
	1	74	17.49	17.66	17.59
	36	0	17.61	17.64	17.67
	36	19	17.43	17.56	17.56
	36	39	17.43	17.63	17.56
	75	0	17.48	17.65	17.53

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	22.08	23.3	27.08	28.3	33.01
16QAM	20.52	22.11	25.52	27.11	33.01
64QAM	19.53	21.18	24.53	26.18	33.01
256QAM	17.43	17.86	22.43	22.86	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	22.94	23.34	23.27
	1	50	23.13	23.31	23.21
	1	99	23.08	23.18	23.11
	50	0	22.26	22.36	22.26
	50	25	22.17	22.27	22.26
	50	50	22.16	22.24	22.19
	100	0	22.27	22.32	22.30
16QAM	1	0	22.03	22.16	22.10
	1	50	21.85	21.95	21.86
	1	99	21.68	21.87	21.77
	50	0	20.61	20.78	20.68
	50	25	20.62	20.69	20.62
	50	50	20.54	20.65	20.60
	100	0	20.54	20.64	20.58
64QAM	1	0	21.05	21.19	21.11
	1	50	21.02	21.11	21.09
	1	99	20.91	20.94	20.93
	50	0	19.59	19.75	19.69
	50	25	19.71	19.72	19.72
	50	50	19.54	19.63	19.59
	100	0	19.55	19.70	19.61
256QAM	1	0	17.77	17.90	17.85
	1	50	17.73	17.85	17.81
	1	99	17.53	17.71	17.62
	50	0	17.61	17.72	17.67
	50	25	17.53	17.63	17.57
	50	50	17.53	17.64	17.62
	100	0	17.55	17.68	17.63

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	22.16	23.34	27.16	28.34	33.01
16QAM	20.54	22.16	25.54	27.16	33.01
64QAM	19.54	21.19	24.54	26.19	33.01
256QAM	17.53	17.9	22.53	22.9	33.01

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

7.1.33 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	20.61	20.52	20.44
	1	12	20.57	20.50	20.44
	1	24	20.38	20.35	20.23
	12	0	19.64	19.62	19.56
	12	6	19.61	19.61	19.43
	12	13	19.70	19.62	19.55
	25	0	19.64	19.51	19.53
16QAM	1	0	19.64	19.56	19.41
	1	12	19.57	19.58	19.50
	1	24	19.58	19.45	19.49
	12	0	18.56	18.55	18.53
	12	6	18.63	18.61	18.65
	12	13	18.62	18.62	18.56
	25	0	18.66	18.58	18.53
64QAM	1	0	18.55	18.55	18.44
	1	12	18.69	18.66	18.67
	1	24	18.64	18.61	18.63
	12	0	17.51	17.61	17.52
	12	6	17.71	17.62	17.52
	12	13	17.64	17.63	17.68
	25	0	17.62	17.54	17.51
256QAM	1	0	15.43	15.35	15.33
	1	12	15.53	15.50	15.50
	1	24	15.59	15.52	15.44
	12	0	15.56	15.38	15.41
	12	6	15.68	15.55	15.58
	12	13	15.65	15.61	15.57
	25	0	15.68	15.54	15.55

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.43	20.61	24.43	25.61	30
16QAM	18.53	19.64	23.53	24.64	30
64QAM	17.51	18.69	22.51	23.69	30
256QAM	15.33	15.68	20.33	20.68	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	20.55	20.49	20.50
	1	24	20.55	20.50	20.40
	1	49	20.43	20.32	20.30
	25	0	19.67	19.61	19.56
	25	12	19.60	19.58	19.44
	25	25	19.61	19.57	19.55
	50	0	19.62	19.56	19.57
16QAM	1	0	19.65	19.48	19.46
	1	24	19.65	19.51	19.49
	1	49	19.62	19.50	19.43
	25	0	18.54	18.57	18.57
	25	12	18.59	18.64	18.62
	25	25	18.66	18.60	18.53
	50	0	18.62	18.61	18.56
64QAM	1	0	18.59	18.56	18.40
	1	24	18.69	18.65	18.69
	1	49	18.73	18.70	18.59
	25	0	17.53	17.51	17.55
	25	12	17.67	17.56	17.48
	25	25	17.73	17.70	17.65
	50	0	17.64	17.56	17.58
256QAM	1	0	15.43	15.40	15.32
	1	24	15.53	15.53	15.51
	1	49	15.51	15.49	15.45
	25	0	15.49	15.45	15.41
	25	12	15.66	15.54	15.57
	25	25	15.63	15.58	15.60
	50	0	15.60	15.54	15.56

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.44	20.55	24.44	25.55	30
16QAM	18.53	19.65	23.53	24.65	30
64QAM	17.48	18.73	22.48	23.73	30
256QAM	15.32	15.66	20.32	20.66	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	20.55	20.53	20.42
	1	37	20.62	20.50	20.42
	1	74	20.40	20.34	20.26
	36	0	19.71	19.56	19.52
	36	19	19.63	19.61	19.46
	36	39	19.67	19.57	19.60
	75	0	19.63	19.55	19.48
16QAM	1	0	19.62	19.50	19.40
	1	37	19.57	19.54	19.46
	1	74	19.52	19.46	19.50
	36	0	18.56	18.57	18.57
	36	19	18.65	18.63	18.65
	36	39	18.69	18.55	18.55
	75	0	18.57	18.60	18.61
64QAM	1	0	18.54	18.50	18.48
	1	37	18.76	18.64	18.61
	1	74	18.69	18.62	18.53
	36	0	17.53	17.52	17.55
	36	19	17.69	17.56	17.49
	36	39	17.70	17.70	17.63
	75	0	17.63	17.57	17.55
256QAM	1	0	15.37	15.35	15.27
	1	37	15.58	15.51	15.53
	1	74	15.58	15.48	15.45
	36	0	15.49	15.43	15.36
	36	19	15.63	15.62	15.54
	36	39	15.68	15.60	15.50
	75	0	15.65	15.57	15.51

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.46	20.62	24.46	25.62	30
16QAM	18.55	19.62	23.55	24.62	30
64QAM	17.49	18.76	22.49	23.76	30
256QAM	15.27	15.68	20.27	20.68	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	20.64	20.55	20.51
	1	50	20.63	20.55	20.50
	1	99	20.45	20.40	20.32
	50	0	19.74	19.64	19.57
	50	25	19.69	19.61	19.52
	50	50	19.70	19.67	19.63
	100	0	19.68	19.60	19.57
16QAM	1	0	19.67	19.57	19.48
	1	50	19.66	19.58	19.52
	1	99	19.62	19.52	19.52
	50	0	18.63	18.61	18.60
	50	25	18.68	18.66	18.65
	50	50	18.71	18.63	18.60
	100	0	18.67	18.62	18.62
64QAM	1	0	18.61	18.59	18.50
	1	50	18.77	18.70	18.70
	1	99	18.73	18.70	18.63
	50	0	17.61	17.61	17.57
	50	25	17.75	17.66	17.58
	50	50	17.74	17.73	17.71
	100	0	17.70	17.63	17.59
256QAM	1	0	15.43	15.40	15.35
	1	50	15.62	15.60	15.58
	1	99	15.61	15.54	15.47
	50	0	15.56	15.47	15.42
	50	25	15.73	15.64	15.61
	50	50	15.72	15.63	15.60
	100	0	15.69	15.64	15.58

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.52	20.64	24.52	25.64	30
16QAM	18.60	19.67	23.60	24.67	30
64QAM	17.57	18.77	22.57	23.77	30
256QAM	15.35	15.73	20.35	20.73	30

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

7.1.34 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	16.66	16.74	17.33
	1	12	17.03	17.04	17.21
	1	24	17.22	17.16	17.29
	12	0	16.97	17.04	17.24
	12	6	17.09	16.97	17.10
	12	13	17.08	17.09	17.15
	25	0	16.94	17.14	17.13
16QAM	1	0	17.09	16.97	17.19
	1	12	16.92	17.00	17.11
	1	24	17.04	17.09	17.22
	12	0	17.14	17.12	17.28
	12	6	16.89	16.95	17.20
	12	13	17.15	17.10	17.17
	25	0	17.04	17.14	17.17
64QAM	1	0	16.80	16.87	17.03
	1	12	17.01	17.09	17.27
	1	24	16.96	16.87	17.12
	12	0	16.93	17.10	17.13
	12	6	17.14	17.24	17.27
	12	13	17.24	17.32	17.36
	25	0	17.21	17.25	17.31
256QAM	1	0	15.45	15.44	15.69
	1	12	15.62	15.72	15.73
	1	24	15.62	15.58	15.74
	12	0	15.48	15.66	15.74
	12	6	15.71	15.80	15.83
	12	13	15.71	15.74	15.82
	25	0	15.60	15.72	15.85

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	16.66	17.33	21.66	22.33	30
16QAM	16.89	17.28	21.89	22.28	30
64QAM	16.80	17.36	21.80	22.36	30
256QAM	15.44	15.85	20.44	20.85	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	16.75	16.82	17.34
	1	24	17.01	17.00	17.18
	1	49	17.18	17.13	17.27
	25	0	16.90	17.05	17.24
	25	12	17.08	17.04	17.18
	25	25	17.10	17.16	17.21
	50	0	16.97	17.14	17.14
16QAM	1	0	17.02	16.97	17.18
	1	24	16.83	16.99	17.06
	1	49	17.05	17.05	17.24
	25	0	17.08	17.14	17.23
	25	12	16.91	17.05	17.20
	25	25	17.12	17.14	17.25
	50	0	17.03	17.12	17.12
64QAM	1	0	16.89	16.90	17.01
	1	24	16.96	17.00	17.29
	1	49	16.91	16.92	17.10
	25	0	16.98	17.07	17.09
	25	12	17.12	17.25	17.20
	25	25	17.21	17.23	17.34
	50	0	17.20	17.17	17.29
256QAM	1	0	15.47	15.51	15.64
	1	24	15.58	15.68	15.76
	1	49	15.70	15.56	15.75
	25	0	15.42	15.67	15.78
	25	12	15.67	15.72	15.92
	25	25	15.69	15.68	15.87
	50	0	15.66	15.67	15.88

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	16.75	17.34	21.75	22.34	30
16QAM	16.83	17.25	21.83	22.25	30
64QAM	16.89	17.34	21.89	22.34	30
256QAM	15.42	15.92	20.42	20.92	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	16.74	16.81	17.37
	1	37	17.06	17.09	17.14
	1	74	17.21	17.14	17.31
	36	0	16.99	17.08	17.18
	36	19	17.00	17.05	17.10
	36	39	17.05	17.15	17.20
	75	0	17.01	17.13	17.20
16QAM	1	0	17.05	17.06	17.17
	1	37	16.88	16.90	17.08
	1	74	17.06	17.08	17.22
	36	0	17.10	17.12	17.23
	36	19	16.94	16.98	17.10
	36	39	17.07	17.11	17.21
	75	0	17.04	17.09	17.20
64QAM	1	0	16.80	16.85	16.98
	1	37	17.05	17.04	17.29
	1	74	16.90	16.91	17.10
	36	0	16.91	17.05	17.16
	36	19	17.12	17.27	17.30
	36	39	17.26	17.32	17.37
	75	0	17.14	17.20	17.36
256QAM	1	0	15.48	15.46	15.68
	1	37	15.64	15.64	15.73
	1	74	15.70	15.58	15.70
	36	0	15.42	15.62	15.68
	36	19	15.66	15.79	15.87
	36	39	15.66	15.74	15.86
	75	0	15.62	15.64	15.84

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	16.74	17.37	21.74	22.37	30
16QAM	16.88	17.23	21.88	22.23	30
64QAM	16.80	17.37	21.80	22.37	30
256QAM	15.42	15.87	20.42	20.87	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	16.75	16.84	17.42
	1	50	17.07	17.10	17.21
	1	99	17.23	17.20	17.32
	50	0	16.99	17.12	17.24
	50	25	17.10	17.06	17.20
	50	50	17.10	17.19	17.25
	100	0	17.03	17.18	17.20
16QAM	1	0	17.10	17.06	17.19
	1	50	16.92	17.00	17.13
	1	99	17.07	17.14	17.25
	50	0	17.17	17.21	17.28
	50	25	16.98	17.05	17.20
	50	50	17.17	17.18	17.25
	100	0	17.04	17.16	17.21
64QAM	1	0	16.89	16.95	17.04
	1	50	17.05	17.10	17.30
	1	99	17.00	16.94	17.13
	50	0	17.01	17.11	17.19
	50	25	17.19	17.27	17.30
	50	50	17.31	17.32	17.41
	100	0	17.22	17.27	17.39
256QAM	1	0	15.52	15.54	15.71
	1	50	15.65	15.72	15.79
	1	99	15.70	15.66	15.76
	50	0	15.52	15.68	15.78
	50	25	15.75	15.80	15.93
	50	50	15.73	15.76	15.91
	100	0	15.69	15.74	15.89

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	16.75	17.42	21.75	22.42	30
16QAM	16.92	17.28	21.92	22.28	30
64QAM	16.89	17.41	21.89	22.41	30
256QAM	15.52	15.93	20.52	20.93	30

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

7.1.35 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	20.78	20.85	21.04
	1	2	21.01	20.93	20.95
	1	5	20.88	20.87	20.97
	3	0	20.93	20.92	21.03
	3	1	20.91	20.87	21.04
	3	3	20.88	20.83	21.04
	6	0	19.84	19.89	19.99
16QAM	1	0	20.04	20.04	20.15
	1	2	19.87	19.98	20.07
	1	5	19.89	19.75	19.87
	3	0	19.82	19.81	19.80
	3	1	19.71	19.68	19.85
	3	3	19.82	19.68	19.85
	6	0	18.74	18.54	18.60
64QAM	1	0	18.82	18.77	18.82
	1	2	18.70	18.86	18.86
	1	5	18.82	18.82	18.91
	3	0	18.75	18.71	18.80
	3	1	18.71	18.54	18.90
	3	3	18.62	18.58	18.63
	6	0	17.74	17.75	17.76
256QAM	1	0	15.90	15.92	16.13
	1	2	15.77	15.56	15.71
	1	5	15.76	15.65	15.71
	3	0	15.76	15.62	15.77
	3	1	15.64	15.58	15.67
	3	3	15.70	15.66	15.75
	6	0	15.81	15.70	15.91

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.84	21.04	24.84	26.04	30
16QAM	18.54	20.15	23.54	25.15	30
64QAM	17.74	18.91	22.74	23.91	30
256QAM	15.56	16.13	20.56	21.13	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	20.96	20.90	21.15
	1	7	21.03	20.98	21.00
	1	14	20.94	20.86	20.99
	8	0	20.02	19.91	20.13
	8	3	20.01	19.90	20.01
	8	7	20.03	20.01	20.04
	15	0	20.06	19.98	20.06
16QAM	1	0	20.15	20.07	20.23
	1	7	20.06	20.02	20.14
	1	14	19.95	19.90	19.99
	8	0	18.82	18.85	18.91
	8	3	18.79	18.74	18.85
	8	7	18.87	18.77	18.84
	15	0	18.78	18.67	18.74
64QAM	1	0	18.84	18.79	19.03
	1	7	18.80	18.86	18.98
	1	14	18.92	18.86	19.03
	8	0	17.84	17.79	17.81
	8	3	17.82	17.72	17.85
	8	7	17.69	17.70	17.85
	15	0	17.84	17.78	17.90
256QAM	1	0	16.04	16.00	16.11
	1	7	15.69	15.74	15.70
	1	14	15.85	15.78	15.86
	8	0	15.82	15.78	15.84
	8	3	15.63	15.67	15.67
	8	7	15.71	15.75	15.89
	15	0	15.84	15.87	15.92

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.9	21.15	24.9	26.15	30
16QAM	18.67	20.23	23.67	25.23	30
64QAM	17.69	19.03	22.69	24.03	30
256QAM	15.63	16.11	20.63	21.11	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	20.86	20.91	21.09
	1	12	21.03	20.93	21.08
	1	24	20.87	20.87	21.02
	12	0	20.07	19.98	20.09
	12	6	19.97	19.98	20.05
	12	13	20.04	20.05	20.02
	25	0	20.01	19.98	19.99
16QAM	1	0	20.13	20.09	20.19
	1	12	20.01	20.00	20.08
	1	24	19.93	19.87	20.01
	12	0	18.84	18.81	18.89
	12	6	18.78	18.70	18.82
	12	13	18.84	18.78	18.84
	25	0	18.70	18.72	18.83
64QAM	1	0	18.85	18.80	18.96
	1	12	18.81	18.77	18.99
	1	24	18.97	18.90	19.02
	12	0	17.80	17.81	17.85
	12	6	17.80	17.72	17.82
	12	13	17.74	17.71	17.78
	25	0	17.85	17.79	17.87
256QAM	1	0	16.05	16.04	16.07
	1	12	15.75	15.74	15.73
	1	24	15.80	15.82	15.81
	12	0	15.87	15.80	15.81
	12	6	15.64	15.70	15.70
	12	13	15.70	15.78	15.80
	25	0	15.88	15.88	15.94

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.97	21.09	24.97	26.09	30
16QAM	18.7	20.19	23.7	25.19	30
64QAM	17.71	19.02	22.71	24.02	30
256QAM	15.64	16.07	20.64	21.07	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	20.87	20.82	21.10
	1	24	21.02	20.91	21.06
	1	49	20.89	20.91	20.99
	25	0	20.01	19.91	20.10
	25	12	20.05	19.93	20.09
	25	25	19.98	20.02	20.05
	50	0	20.06	19.91	20.04
16QAM	1	0	20.20	20.05	20.24
	1	24	20.02	20.03	20.16
	1	49	19.92	19.92	20.03
	25	0	18.84	18.84	18.95
	25	12	18.77	18.74	18.89
	25	25	18.86	18.82	18.90
	50	0	18.78	18.71	18.81
64QAM	1	0	18.92	18.87	19.03
	1	24	18.80	18.82	18.91
	1	49	18.93	18.88	19.00
	25	0	17.78	17.78	17.85
	25	12	17.76	17.67	17.87
	25	25	17.72	17.68	17.85
	50	0	17.82	17.80	17.84
256QAM	1	0	16.04	15.98	16.09
	1	24	15.76	15.68	15.79
	1	49	15.81	15.82	15.76
	25	0	15.88	15.76	15.83
	25	12	15.70	15.68	15.75
	25	25	15.80	15.76	15.80
	50	0	15.88	15.84	15.94

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.91	21.1	24.91	26.1	30
16QAM	18.71	20.24	23.71	25.24	30
64QAM	17.67	19.03	22.67	24.03	30
256QAM	15.68	16.09	20.68	21.09	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	20.92	20.86	21.09
	1	37	21.05	20.98	21.02
	1	74	20.89	20.86	20.97
	36	0	20.06	19.93	20.12
	36	19	20.01	19.96	20.10
	36	39	20.07	20.03	20.09
	75	0	20.05	20.01	20.06
16QAM	1	0	20.16	20.05	20.24
	1	37	19.99	20.04	20.11
	1	74	19.94	19.87	20.05
	36	0	18.90	18.77	18.92
	36	19	18.77	18.73	18.85
	36	39	18.93	18.77	18.89
	75	0	18.72	18.68	18.77
64QAM	1	0	18.92	18.78	18.96
	1	37	18.89	18.81	18.90
	1	74	18.97	18.95	18.99
	36	0	17.80	17.74	17.83
	36	19	17.80	17.68	17.84
	36	39	17.76	17.67	17.79
	75	0	17.84	17.79	17.85
256QAM	1	0	15.98	16.00	16.04
	1	37	15.75	15.77	15.77
	1	74	15.86	15.79	15.80
	36	0	15.84	15.78	15.86
	36	19	15.63	15.66	15.75
	36	39	15.78	15.79	15.89
	75	0	15.91	15.86	15.89

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.93	21.09	24.93	26.09	30
16QAM	18.68	20.24	23.68	25.24	30
64QAM	17.67	18.99	22.67	23.99	30
256QAM	15.63	16.04	20.63	21.04	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	20.96	20.92	21.17
	1	50	21.08	21.01	21.10
	1	99	20.97	20.96	21.06
	50	0	20.07	20.01	20.14
	50	25	20.06	19.98	20.10
	50	50	20.08	20.05	20.09
	100	0	20.07	20.01	20.09
16QAM	1	0	20.21	20.14	20.28
	1	50	20.07	20.07	20.16
	1	99	19.96	19.95	20.05
	50	0	18.90	18.86	18.96
	50	25	18.81	18.76	18.91
	50	50	18.93	18.85	18.93
	100	0	18.78	18.75	18.84
64QAM	1	0	18.94	18.88	19.04
	1	50	18.90	18.87	18.99
	1	99	18.98	18.95	19.05
	50	0	17.87	17.83	17.87
	50	25	17.82	17.76	17.90
	50	50	17.76	17.73	17.85
	100	0	17.89	17.88	17.90
256QAM	1	0	16.08	16.08	16.14
	1	50	15.78	15.78	15.79
	1	99	15.86	15.84	15.86
	50	0	15.89	15.84	15.89
	50	25	15.73	15.70	15.77
	50	50	15.80	15.80	15.90
	100	0	15.93	15.91	15.95

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum EIRP (dBm)	Maximum EIRP (dBm)	EIRP Limit (dBm)
QPSK	19.98	21.17	24.98	26.17	30
16QAM	18.75	20.28	23.75	25.28	30
64QAM	17.73	19.05	22.73	24.05	30
256QAM	15.7	16.14	20.7	21.14	30

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

7.1.36 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	22.95	23.11	23.05
	1	12	22.91	23.01	22.88
	1	24	22.83	22.99	22.94
	12	0	22.06	22.12	22.14
	12	6	21.97	22.13	22.03
	12	13	21.94	22.11	22.05
	25	0	22.02	22.09	22.02
16QAM	1	0	22.31	22.40	22.33
	1	12	22.24	22.34	22.28
	1	24	22.22	22.36	22.20
	12	0	21.17	21.20	21.17
	12	6	21.11	21.30	21.26
	12	13	21.18	21.28	21.24
	25	0	21.09	21.21	21.19
64QAM	1	0	21.30	21.45	21.43
	1	12	21.12	21.23	21.27
	1	24	21.00	21.10	21.05
	12	0	20.25	20.31	20.26
	12	6	20.09	20.22	20.12
	12	13	20.07	20.21	20.11
	25	0	20.12	20.26	20.26
256QAM	1	0	18.21	18.29	18.18
	1	12	18.17	18.24	18.26
	1	24	18.13	18.21	18.14
	12	0	18.15	18.24	18.13
	12	6	18.09	18.18	18.17
	12	13	17.95	18.11	18.03
	25	0	18.17	18.28	18.28

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.94	23.11	24.79	25.96	34.77
16QAM	21.09	22.4	23.94	25.25	34.77
64QAM	20.07	21.45	22.92	24.3	34.77
256QAM	17.95	18.29	20.8	21.14	34.77

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

LTE Band 71, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 133172	CH 133297	CH 133422
			668 MHz	680.5 MHz	693 MHz
QPSK	1	0	22.97	23.12	23.01
	1	24	22.87	23.05	22.90
	1	49	22.87	22.94	22.91
	25	0	22.00	22.17	22.15
	25	12	21.99	22.08	22.07
	25	25	21.97	22.08	22.05
	50	0	22.06	22.13	22.07
16QAM	1	0	22.26	22.36	22.39
	1	24	22.32	22.34	22.32
	1	49	22.18	22.28	22.29
	25	0	21.13	21.25	21.17
	25	12	21.08	21.28	21.23
	25	25	21.25	21.23	21.21
	50	0	21.09	21.23	21.27
64QAM	1	0	21.31	21.44	21.35
	1	24	21.11	21.25	21.28
	1	49	21.07	21.08	21.05
	25	0	20.20	20.34	20.23
	25	12	20.07	20.19	20.16
	25	25	20.11	20.23	20.18
	50	0	20.13	20.28	20.24
256QAM	1	0	18.20	18.29	18.15
	1	24	18.10	18.30	18.19
	1	49	18.15	18.15	18.16
	25	0	18.20	18.19	18.12
	25	12	18.09	18.18	18.16
	25	25	17.99	18.18	18.00
	50	0	18.14	18.29	18.24

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.97	23.12	24.82	25.97	34.77
16QAM	21.08	22.39	23.93	25.24	34.77
64QAM	20.07	21.44	22.92	24.29	34.77
256QAM	17.99	18.3	20.84	21.15	34.77

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

LTE Band 71, Channel Bandwidth: 15 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 133197	CH 133297	CH 133397
			670.5 MHz	680.5 MHz	690.5 MHz
QPSK	1	0	22.92	23.16	23.04
	1	37	22.89	23.05	22.94
	1	74	22.86	22.97	22.92
	36	0	22.05	22.15	22.09
	36	19	22.00	22.05	22.05
	36	39	21.90	22.06	22.02
	75	0	22.06	22.13	22.04
16QAM	1	0	22.34	22.43	22.40
	1	37	22.24	22.35	22.31
	1	74	22.20	22.29	22.28
	36	0	21.19	21.18	21.15
	36	19	21.10	21.24	21.24
	36	39	21.20	21.23	21.24
	75	0	21.16	21.21	21.27
64QAM	1	0	21.35	21.39	21.44
	1	37	21.21	21.32	21.26
	1	74	21.09	21.12	21.14
	36	0	20.18	20.33	20.26
	36	19	20.15	20.18	20.10
	36	39	20.03	20.19	20.08
	75	0	20.15	20.23	20.16
256QAM	1	0	18.15	18.26	18.25
	1	37	18.20	18.30	18.23
	1	74	18.09	18.17	18.14
	36	0	18.11	18.21	18.22
	36	19	18.02	18.23	18.11
	36	39	18.02	18.15	18.04
	75	0	18.15	18.27	18.22

Output Power					
Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	21.9	23.16	24.75	26.01	34.77
16QAM	21.1	22.43	23.95	25.28	34.77
64QAM	20.03	21.44	22.88	24.29	34.77
256QAM	18.02	18.3	20.87	21.15	34.77

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

LTE Band 71, Channel Bandwidth: 20 MHz

Modulation	RB Size	RB Offset	Measurement Conducted Power (dBm)		
			CH 133222	CH 133297	CH 133372
			673 MHz	680.5 MHz	688 MHz
QPSK	1	0	22.97	23.18	23.10
	1	50	22.93	23.08	22.98
	1	99	22.91	23.02	23.00
	50	0	22.07	22.19	22.16
	50	25	22.07	22.15	22.09
	50	50	22.00	22.13	22.05
	100	0	22.11	22.14	22.11
16QAM	1	0	22.36	22.45	22.42
	1	50	22.34	22.44	22.37
	1	99	22.27	22.38	22.30
	50	0	21.23	21.26	21.25
	50	25	21.18	21.31	21.28
	50	50	21.26	21.32	21.26
	100	0	21.18	21.28	21.28
64QAM	1	0	21.40	21.46	21.45
	1	50	21.21	21.33	21.29
	1	99	21.10	21.16	21.14
	50	0	20.25	20.34	20.29
	50	25	20.15	20.25	20.18
	50	50	20.12	20.24	20.18
	100	0	20.22	20.33	20.26
256QAM	1	0	18.22	18.35	18.25
	1	50	18.20	18.34	18.27
	1	99	18.19	18.24	18.19
	50	0	18.20	18.29	18.22
	50	25	18.12	18.26	18.20
	50	50	18.05	18.18	18.10
	100	0	18.24	18.33	18.28

Output Power

Modulation	Minimum Cond. Power (dBm)	Maximum Cond. Power (dBm)	Minimum ERP (dBm)	Maximum ERP (dBm)	ERP Limit (dBm)
QPSK	22	23.18	24.85	26.03	34.77
16QAM	21.18	22.45	24.03	25.3	34.77
64QAM	20.12	21.46	22.97	24.31	34.77
256QAM	18.05	18.35	20.9	21.2	34.77

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

7.2 Radiated Spurious Emissions below 1GHz

Mode A

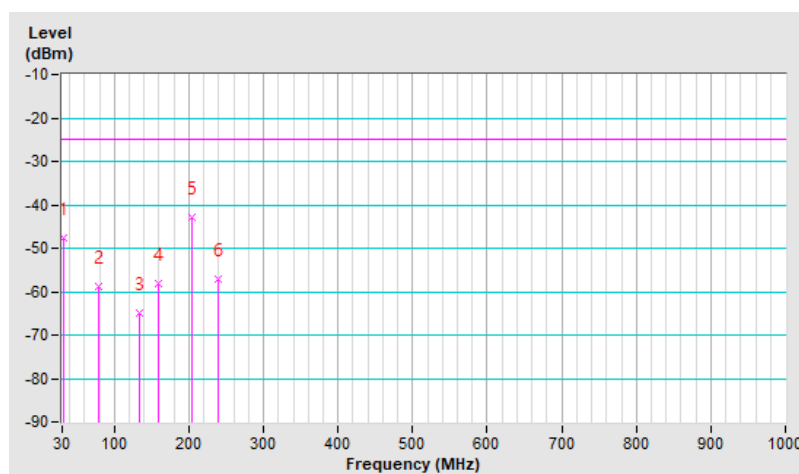
7.2.1 LTE Band 7

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, 67% RH
Tested By	Tony Wu		

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	31.85	-47.62	-25.00	-22.62	1.00 H	133	61.77	-109.39
2	78.12	-58.96	-25.00	-33.96	1.00 H	154	53.62	-112.58
3	134.24	-65.08	-25.00	-40.08	1.50 H	154	43.71	-108.79
4	159.15	-58.26	-25.00	-33.26	1.50 H	218	49.37	-107.63
5	204.08	-43.05	-25.00	-18.05	1.50 H	327	68.37	-111.42
6	239.91	-56.98	-25.00	-31.98	2.00 H	237	52.37	-109.35

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.

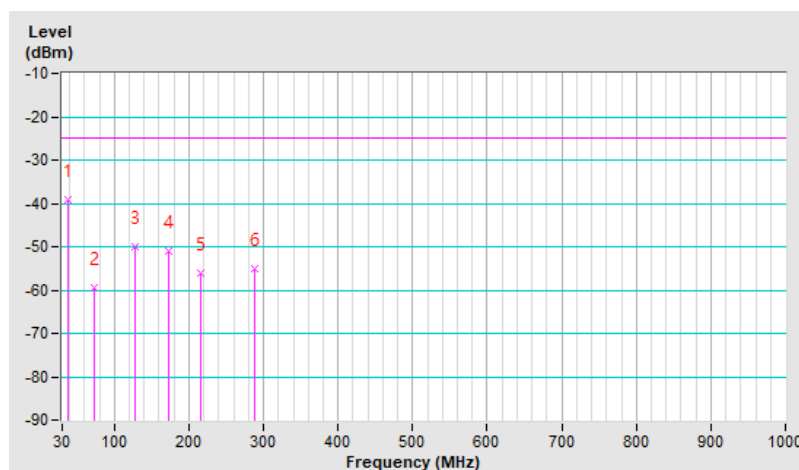


RF Mode	LTE Band 7 Channel Bandwidth: 20MHz	Channel	CH 21100 : 2535 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

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	37.62	-39.30	-25.00	-14.30	1.00 V	182	69.37	-108.67
2	72.87	-59.44	-25.00	-34.44	1.50 V	124	51.94	-111.38
3	128.51	-50.04	-25.00	-25.04	1.50 V	213	59.34	-109.38
4	173.54	-51.01	-25.00	-26.01	2.00 V	154	57.39	-108.40
5	215.64	-55.99	-25.00	-30.99	1.50 V	248	55.37	-111.36
6	288.94	-55.03	-25.00	-30.03	2.00 V	341	52.30	-107.33

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.



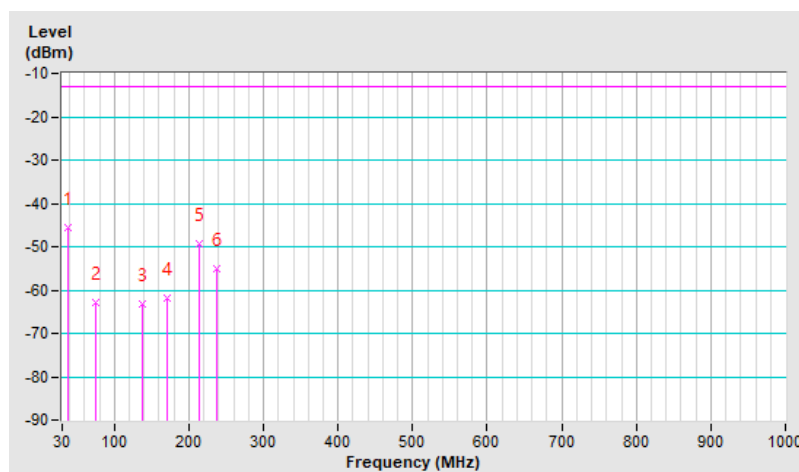
7.2.2 LTE Band 12

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, 67% RH
Tested By	Tony Wu		

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	38.34	-45.64	-13.00	-32.64	1.00 H	105	65.15	-110.79
2	74.34	-62.87	-13.00	-49.87	1.00 H	218	50.91	-113.78
3	137.54	-63.29	-13.00	-50.29	1.00 H	348	47.37	-110.66
4	169.91	-61.85	-13.00	-48.85	1.50 H	207	48.37	-110.22
5	213.84	-49.16	-13.00	-36.16	1.50 H	318	64.37	-113.53
6	237.67	-55.17	-13.00	-42.17	2.00 H	348	56.47	-111.64

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.

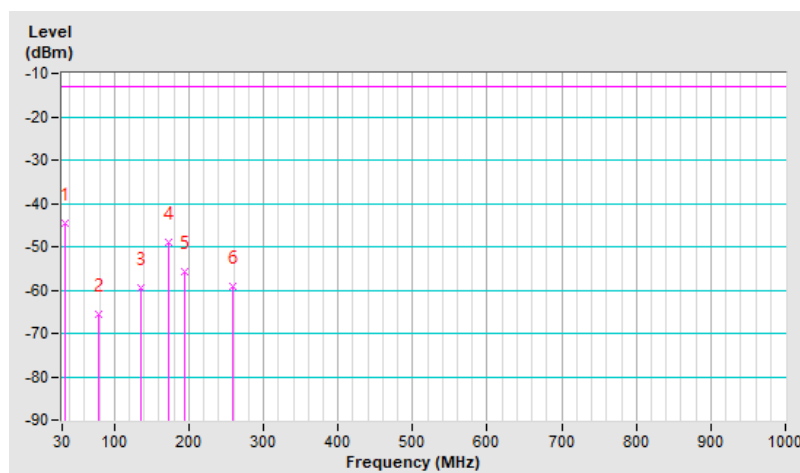


RF Mode	LTE Band 12 Channel Bandwidth: 10MHz	Channel	CH 23095 : 707.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

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	33.89	-44.61	-13.00	-31.61	1.00 V	127	66.75	-111.36
2	79.33	-65.67	-13.00	-52.67	1.00 V	209	49.37	-115.04
3	135.33	-59.53	-13.00	-46.53	1.50 V	134	51.34	-110.87
4	173.24	-48.92	-13.00	-35.92	1.50 V	237	61.59	-110.51
5	194.33	-55.84	-13.00	-42.84	1.50 V	347	57.31	-113.15
6	259.48	-59.02	-13.00	-46.02	2.00 V	309	51.84	-110.86

Remarks:

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



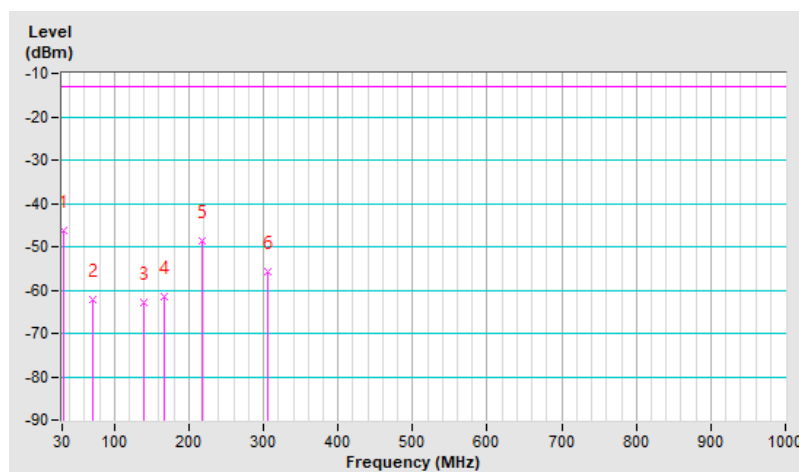
7.2.3 LTE Band 13

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, 67% RH
Tested By	Tony Wu		

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	32.75	-46.29	-13.00	-33.29	1.00 H	88	65.19	-111.48
2	71.13	-62.37	-13.00	-49.37	1.00 H	137	50.67	-113.04
3	139.97	-62.85	-13.00	-49.85	1.50 H	84	47.68	-110.53
4	167.61	-61.68	-13.00	-48.68	1.50 H	259	48.37	-110.05
5	218.37	-48.52	-13.00	-35.52	1.50 H	346	64.97	-113.49
6	304.84	-55.82	-13.00	-42.82	2.00 H	153	53.28	-109.10

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.

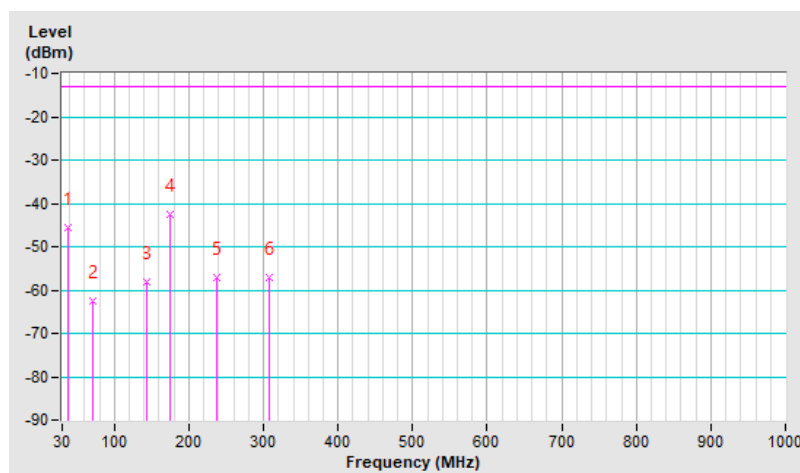


RF Mode	LTE Band 13 Channel Bandwidth: 10MHz	Channel	CH 23230 : 782 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

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	38.37	-45.63	-13.00	-32.63	1.00 V	81	65.17	-110.80
2	71.48	-62.70	-13.00	-49.70	1.00 V	157	50.41	-113.11
3	143.84	-58.20	-13.00	-45.20	1.50 V	197	51.94	-110.14
4	174.38	-42.52	-13.00	-29.52	1.50 V	200	68.11	-110.63
5	237.64	-57.27	-13.00	-44.27	1.50 V	354	54.37	-111.64
6	307.31	-57.19	-13.00	-44.19	2.00 V	134	51.82	-109.01

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) + $20\log(D) - 104.8 - 2.15$
- 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.



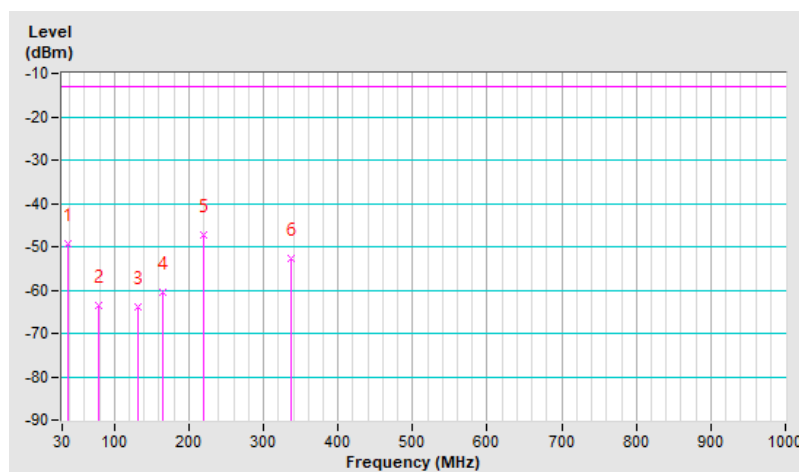
7.2.4 LTE Band 14

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, 67% RH
Tested By	Tony Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	37.65	-49.44	-13.00	-36.44	1.00 H	129	61.37	-110.81
2	78.81	-63.54	-13.00	-50.54	1.00 H	135	51.37	-114.91
3	132.67	-63.75	-13.00	-50.75	1.00 H	237	47.39	-111.14
4	164.91	-60.58	-13.00	-47.58	1.50 H	171	49.37	-109.95
5	219.67	-47.28	-13.00	-34.28	2.00 H	139	66.19	-113.47
6	337.34	-52.88	-13.00	-39.88	2.00 H	237	55.37	-108.25

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.

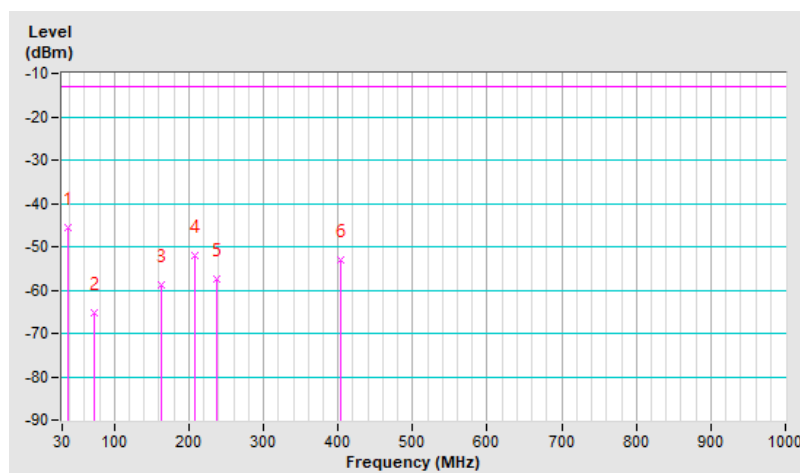


RF Mode	LTE Band 14 Channel Bandwidth: 10MHz	Channel	CH 23330 : 793 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

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	37.79	-45.61	-13.00	-32.61	1.00 V	145	65.17	-110.78
2	73.61	-65.31	-13.00	-52.31	1.00 V	247	48.37	-113.68
3	163.96	-58.70	-13.00	-45.70	1.50 V	137	51.28	-109.98
4	208.34	-52.11	-13.00	-39.11	1.50 V	209	61.47	-113.58
5	237.09	-57.30	-13.00	-44.30	2.00 V	147	54.39	-111.69
6	403.82	-53.15	-13.00	-40.15	2.00 V	237	53.47	-106.62

Remarks:

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



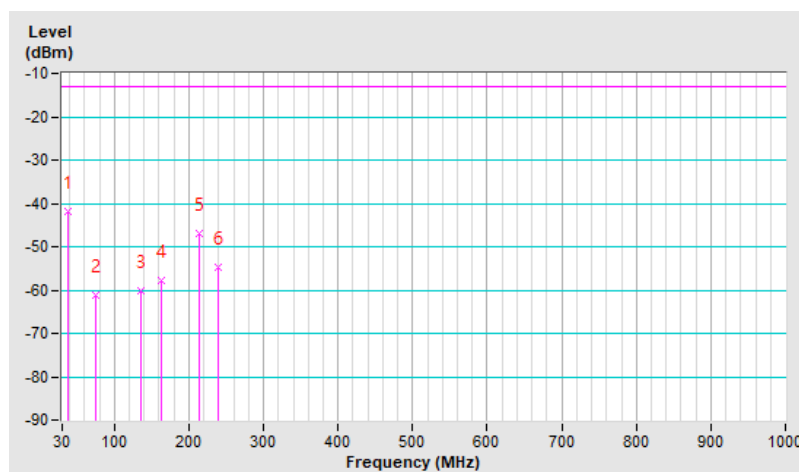
7.2.5 LTE Band 25

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, 67% RH
Tested By	Tony Wu		

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	38.31	-41.85	-13.00	-28.85	1.00 H	127	66.79	-108.64
2	74.36	-61.02	-13.00	-48.02	1.00 H	239	50.61	-111.63
3	135.94	-60.27	-13.00	-47.27	1.00 H	331	48.37	-108.64
4	163.37	-57.88	-13.00	-44.88	1.00 H	353	49.86	-107.74
5	214.25	-46.99	-13.00	-33.99	1.50 H	157	64.39	-111.38
6	239.14	-54.59	-13.00	-41.59	1.50 H	347	54.81	-109.40

Remarks:

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

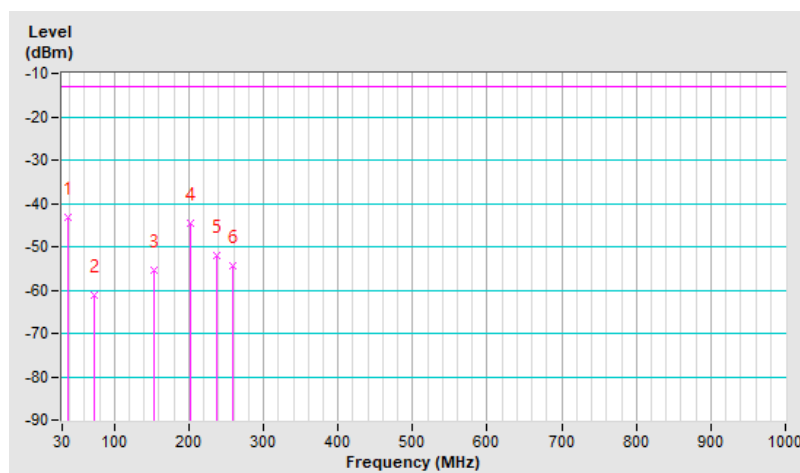


RF Mode	LTE Band 25 Channel Bandwidth: 20MHz	Channel	CH 26365 : 1882.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

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	38.37	-43.28	-13.00	-30.28	1.00 V	157	65.37	-108.65
2	73.87	-61.18	-13.00	-48.18	1.00 V	237	50.39	-111.57
3	153.21	-55.39	-13.00	-42.39	1.50 V	138	52.33	-107.72
4	201.39	-44.59	-13.00	-31.59	1.50 V	233	66.79	-111.38
5	237.39	-52.16	-13.00	-39.16	2.00 V	237	57.36	-109.52
6	259.15	-54.41	-13.00	-41.41	2.00 V	347	54.31	-108.72

Remarks:

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



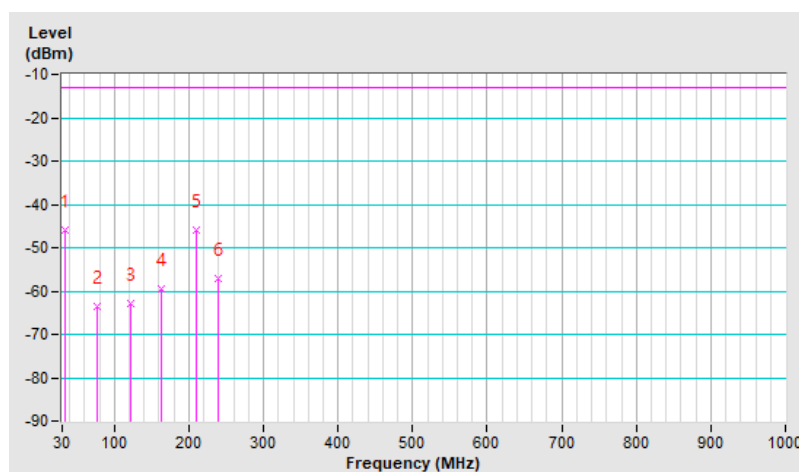
7.2.6 LTE Band 26 (814 MHz ~ 824 MHz)

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, 67% RH
Tested By	Tony Wu		

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	33.81	-46.10	-13.00	-33.10	1.00 H	127	65.27	-111.37
2	76.81	-63.72	-13.00	-50.72	1.00 H	210	50.77	-114.49
3	121.16	-62.87	-13.00	-49.87	1.50 H	97	49.35	-112.22
4	163.09	-59.50	-13.00	-46.50	1.50 H	188	50.34	-109.84
5	209.88	-45.84	-13.00	-32.84	1.50 H	209	67.74	-113.58
6	239.15	-57.16	-13.00	-44.16	2.00 H	315	54.38	-111.54

Remarks:

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

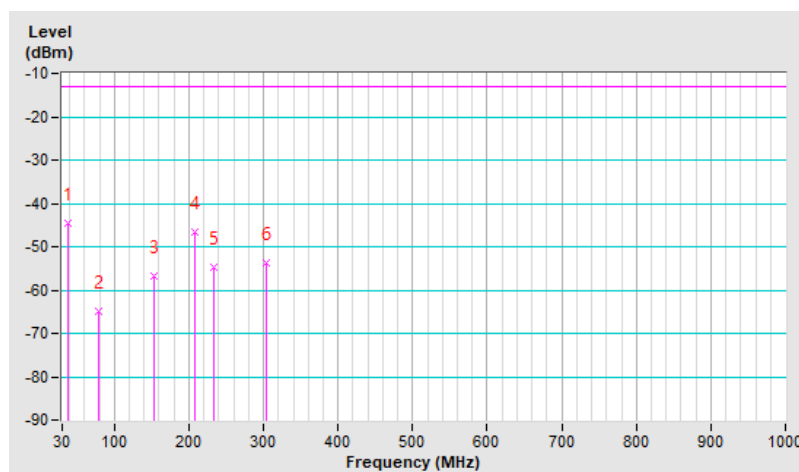


RF Mode	LTE Band 26 (814 MHz ~ 824 MHz) Channel Bandwidth: 10MHz	Channel	CH 26740 : 819 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

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	38.37	-44.41	-13.00	-31.41	1.00 V	134	66.39	-110.80
2	79.35	-64.79	-13.00	-51.79	1.00 V	239	50.25	-115.04
3	154.15	-56.75	-13.00	-43.75	1.50 V	35	52.93	-109.68
4	207.97	-46.47	-13.00	-33.47	1.50 V	129	67.11	-113.58
5	234.16	-54.60	-13.00	-41.60	1.50 V	179	57.32	-111.92
6	304.21	-53.65	-13.00	-40.65	2.00 V	138	55.47	-109.12

Remarks:

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



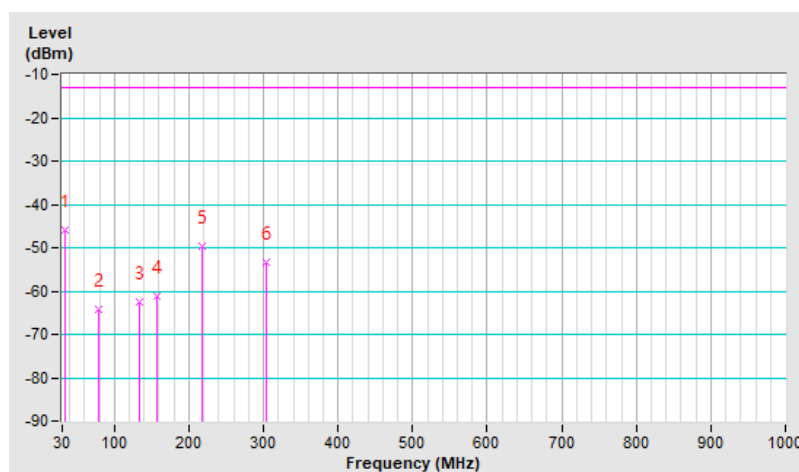
7.2.7 LTE Band 26 (824 MHz ~ 849 MHz)

RF Mode	LTE Band 26 (824 MHz ~ 849 MHz) Channel Bandwidth: 5MHz	Channel	CH 26915 : 836.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

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	33.53	-46.09	-13.00	-33.09	1.00 H	57	65.31	-111.40
2	78.34	-64.40	-13.00	-51.40	1.00 H	128	50.39	-114.79
3	134.37	-62.57	-13.00	-49.57	1.50 H	127	48.37	-110.94
4	157.37	-61.05	-13.00	-48.05	1.50 H	53	48.67	-109.72
5	217.51	-49.60	-13.00	-36.60	1.50 H	209	63.89	-113.49
6	304.37	-53.33	-13.00	-40.33	2.00 H	189	55.79	-109.12

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.

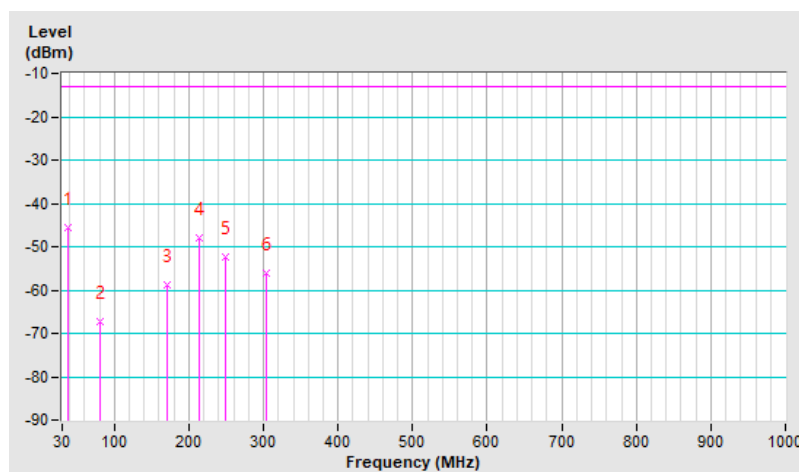


RF Mode	LTE Band 26 (824 MHz ~ 849 MHz) Channel Bandwidth: 5MHz	Channel	CH 26915 : 836.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

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	38.75	-45.48	-13.00	-32.48	1.00 V	153	65.37	-110.85
2	81.19	-67.21	-13.00	-54.21	1.00 V	197	48.34	-115.55
3	169.85	-58.85	-13.00	-45.85	1.00 V	203	51.37	-110.22
4	212.91	-47.93	-13.00	-34.93	1.50 V	88	65.62	-113.55
5	248.54	-52.25	-13.00	-39.25	2.00 V	172	58.92	-111.17
6	304.21	-55.97	-13.00	-42.97	2.00 V	238	53.15	-109.12

Remarks:

1. $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
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.



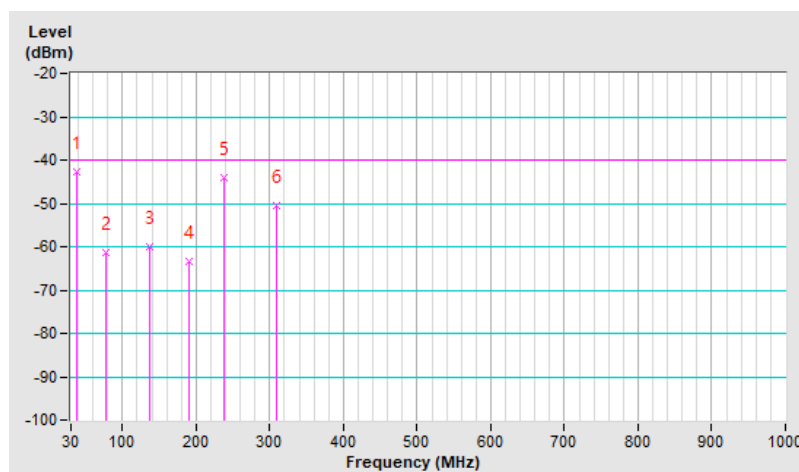
7.2.8 LTE Band 30

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, 67% RH
Tested By	Tony Wu		

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	37.25	-42.56	-40.00	-2.56	1.00 H	127	66.19	-108.75
2	77.39	-61.24	-40.00	-21.24	1.00 H	197	51.21	-112.45
3	136.91	-59.93	-40.00	-19.93	1.50 H	137	48.67	-108.60
4	189.68	-63.27	-40.00	-23.27	1.50 H	124	47.31	-110.58
5	237.32	-44.18	-40.00	-4.18	1.50 H	238	65.34	-109.52
6	308.34	-50.63	-40.00	-10.63	2.00 H	307	56.17	-106.80

Remarks:

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

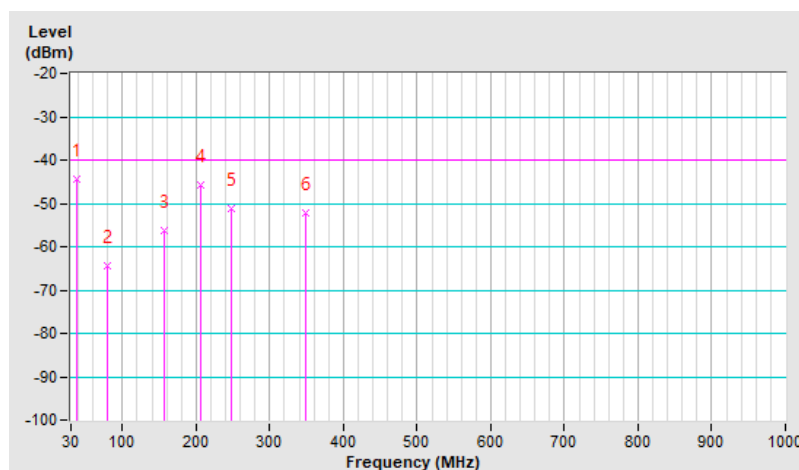


RF Mode	LTE Band 30 Channel Bandwidth: 10MHz	Channel	CH 27710 : 2310 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

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	38.75	-44.37	-40.00	-4.37	1.00 V	95	64.33	-108.70
2	79.37	-64.55	-40.00	-24.55	1.00 V	135	48.35	-112.90
3	156.15	-56.30	-40.00	-16.30	1.50 V	215	51.39	-107.69
4	206.97	-45.62	-40.00	-5.62	1.50 V	307	65.82	-111.44
5	247.32	-51.29	-40.00	-11.29	2.00 V	185	57.77	-109.06
6	348.21	-52.20	-40.00	-12.20	2.00 V	237	53.89	-106.09

Remarks:

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



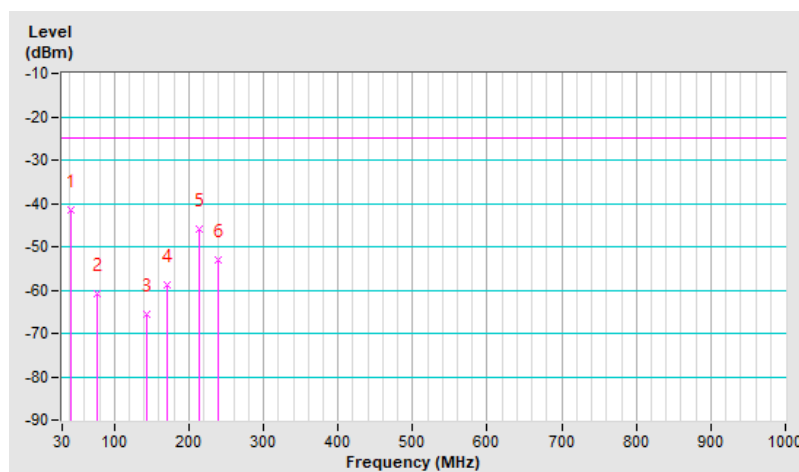
7.2.9 LTE Band 41

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, 67% RH
Tested By	Tony Wu		

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	41.82	-41.37	-25.00	-16.37	1.00 H	117	66.94	-108.31
2	76.32	-60.86	-25.00	-35.86	1.00 H	209	51.37	-112.23
3	143.21	-65.72	-25.00	-40.72	1.00 H	311	42.31	-108.03
4	171.31	-58.77	-25.00	-33.77	1.50 H	89	49.39	-108.16
5	212.96	-45.93	-25.00	-20.93	1.50 H	158	65.47	-111.40
6	239.34	-53.21	-25.00	-28.21	2.00 H	37	56.17	-109.38

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.

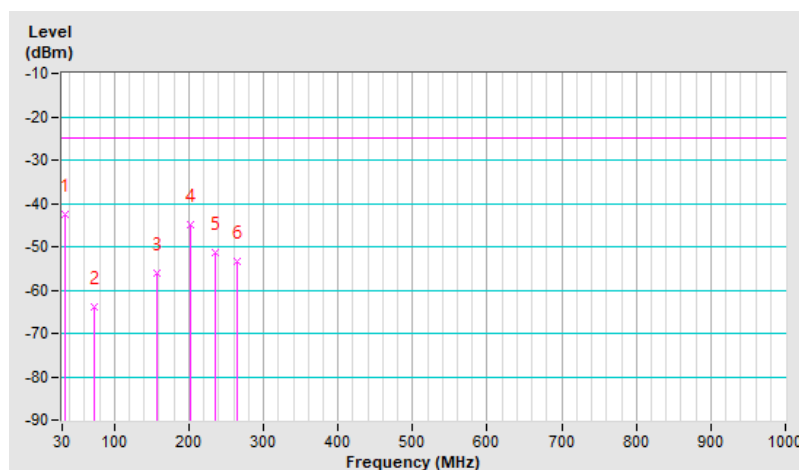


RF Mode	LTE Band 41 Channel Bandwidth: 20MHz	Channel	CH 41490 : 2680 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

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	33.18	-42.40	-25.00	-17.40	1.00 V	13	66.91	-109.31
2	72.37	-63.88	-25.00	-38.88	1.50 V	34	47.32	-111.20
3	156.65	-56.22	-25.00	-31.22	1.50 V	128	51.39	-107.61
4	201.91	-45.02	-25.00	-20.02	2.00 V	37	66.37	-111.39
5	235.66	-51.32	-25.00	-26.32	2.00 V	158	58.31	-109.63
6	265.31	-53.54	-25.00	-28.54	2.00 V	313	54.88	-108.42

Remarks:

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



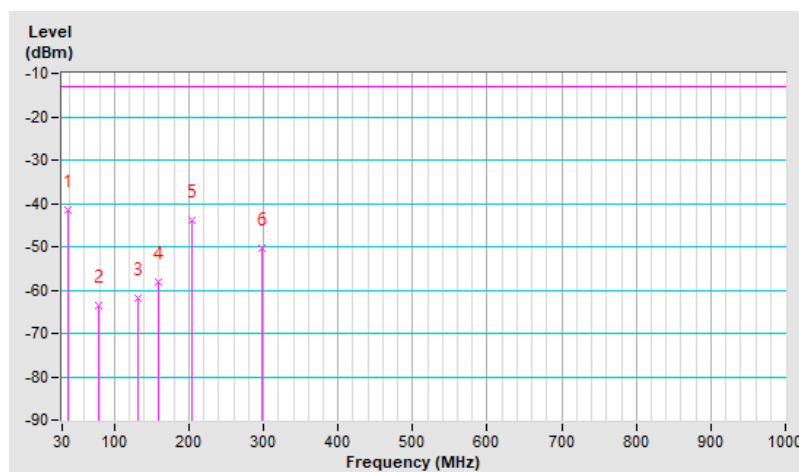
7.2.10 LTE Band 42

RF Mode	LTE Band 42 Channel Bandwidth: 20MHz	Channel	CH 42590 : 3500 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

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	38.41	-41.54	-13.00	-28.54	1.00 H	32	67.11	-108.65
2	79.21	-63.52	-13.00	-50.52	1.00 H	58	49.34	-112.86
3	131.94	-61.78	-13.00	-48.78	1.50 H	103	47.35	-109.13
4	159.37	-58.28	-13.00	-45.28	1.50 H	208	49.33	-107.61
5	203.15	-44.03	-13.00	-31.03	1.50 H	134	67.37	-111.40
6	297.54	-50.18	-13.00	-37.18	1.50 H	304	56.97	-107.15

Remarks:

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

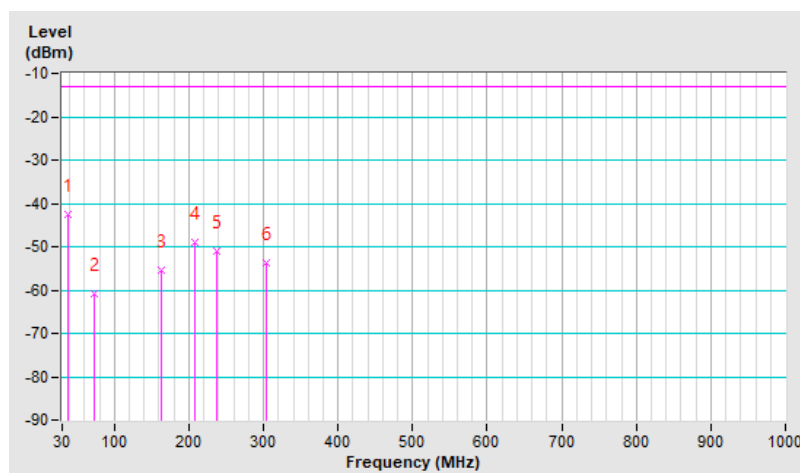


RF Mode	LTE Band 42 Channel Bandwidth: 20MHz	Channel	CH 42590 : 3500 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

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	37.20	-42.39	-13.00	-29.39	1.00 V	131	66.37	-108.76
2	73.37	-60.87	-13.00	-47.87	1.00 V	192	50.62	-111.49
3	162.61	-55.33	-13.00	-42.33	1.50 V	237	52.35	-107.68
4	207.66	-49.06	-13.00	-36.06	1.50 V	265	62.37	-111.43
5	237.79	-51.11	-13.00	-38.11	1.50 V	341	58.37	-109.48
6	304.31	-53.59	-13.00	-40.59	2.00 V	81	53.38	-106.97

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.



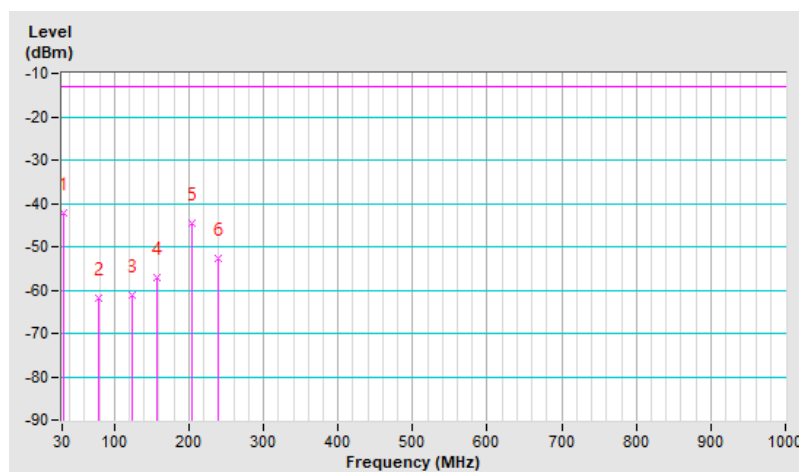
7.2.11 LTE Band 43

RF Mode	LTE Band 43 Channel Bandwidth: 20MHz	Channel	CH 45090 : 3750 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

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	32.37	-42.06	-13.00	-29.06	1.00 H	165	67.29	-109.35
2	78.31	-61.72	-13.00	-48.72	1.00 H	235	50.91	-112.63
3	123.85	-61.02	-13.00	-48.02	1.50 H	125	48.91	-109.93
4	157.16	-57.23	-13.00	-44.23	1.50 H	235	50.34	-107.57
5	204.98	-44.69	-13.00	-31.69	1.50 H	341	66.75	-111.44
6	239.15	-52.78	-13.00	-39.78	2.00 H	138	56.61	-109.39

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.

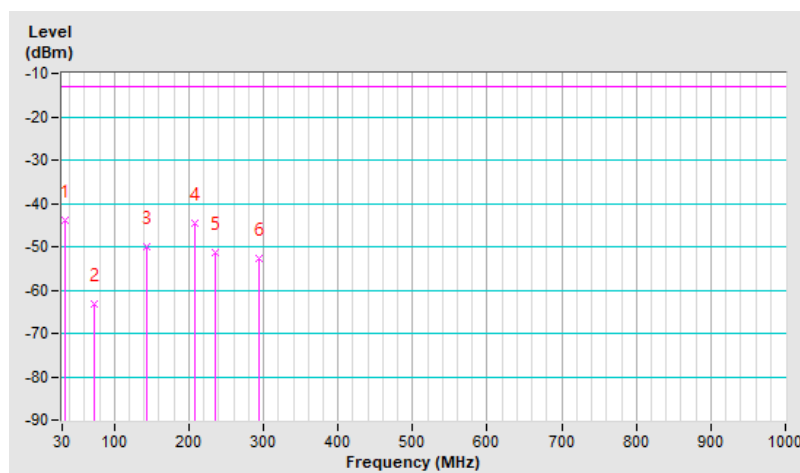


RF Mode	LTE Band 43 Channel Bandwidth: 20MHz	Channel	CH 45090 : 3750 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

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	33.91	-43.90	-13.00	-30.90	1.00 V	101	65.31	-109.21
2	73.38	-63.12	-13.00	-50.12	1.00 V	158	48.37	-111.49
3	143.84	-49.99	-13.00	-36.99	1.00 V	308	58.00	-107.99
4	207.15	-44.53	-13.00	-31.53	1.50 V	88	66.91	-111.44
5	236.12	-51.27	-13.00	-38.27	1.50 V	154	58.33	-109.60
6	293.77	-52.88	-13.00	-39.88	1.00 V	238	54.37	-107.25

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 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.



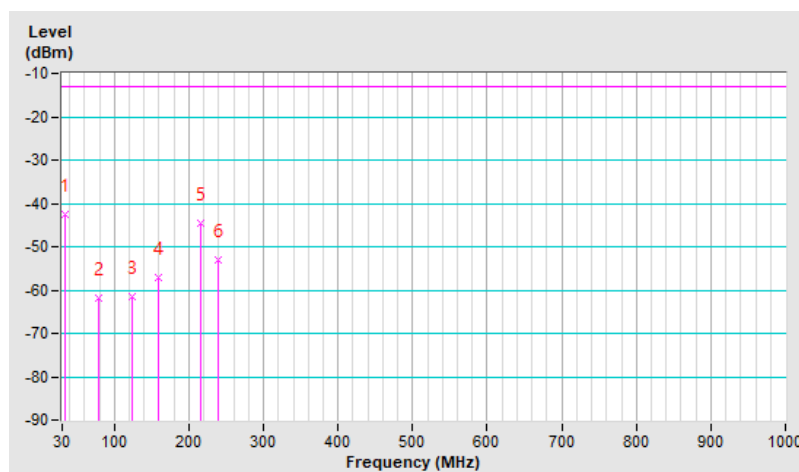
7.2.12 LTE Band 66

RF Mode	LTE Band 66 Channel Bandwidth: 20MHz	Channel	CH 132322 : 1745 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

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	33.71	-42.43	-13.00	-29.43	1.00 H	15	66.81	-109.24
2	78.15	-61.94	-13.00	-48.94	1.00 H	37	50.65	-112.59
3	123.16	-61.57	-13.00	-48.57	1.00 H	155	48.33	-109.90
4	159.94	-57.23	-13.00	-44.23	1.50 H	63	50.34	-107.57
5	216.13	-44.65	-13.00	-31.65	1.50 H	185	66.71	-111.36
6	239.55	-53.21	-13.00	-40.21	2.00 H	31	56.16	-109.37

Remarks:

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

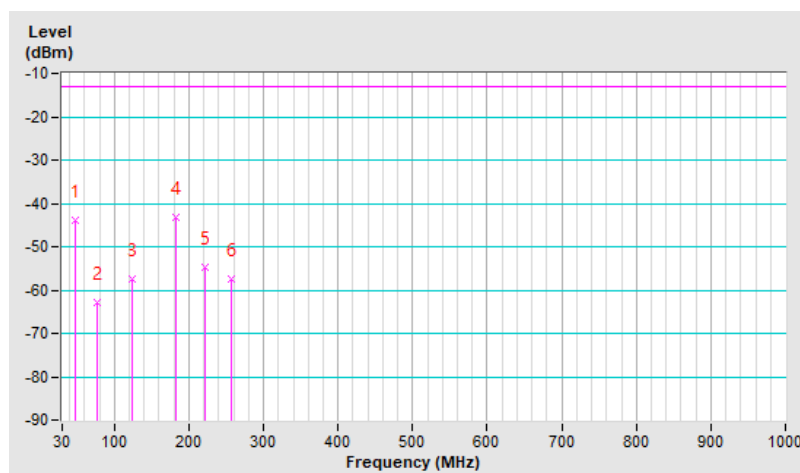


RF Mode	LTE Band 66 Channel Bandwidth: 20MHz	Channel	CH 132322 : 1745 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	47.15	-43.80	-13.00	-30.80	1.00 V	19	64.33	-108.13
2	76.42	-62.93	-13.00	-49.93	1.00 V	128	49.32	-112.25
3	124.37	-57.53	-13.00	-44.53	1.50 V	135	52.31	-109.84
4	183.34	-43.34	-13.00	-30.34	2.00 V	215	66.31	-109.65
5	221.54	-54.90	-13.00	-41.90	2.00 V	285	56.35	-111.25
6	257.32	-57.42	-13.00	-44.42	2.00 V	313	51.38	-108.80

Remarks:

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



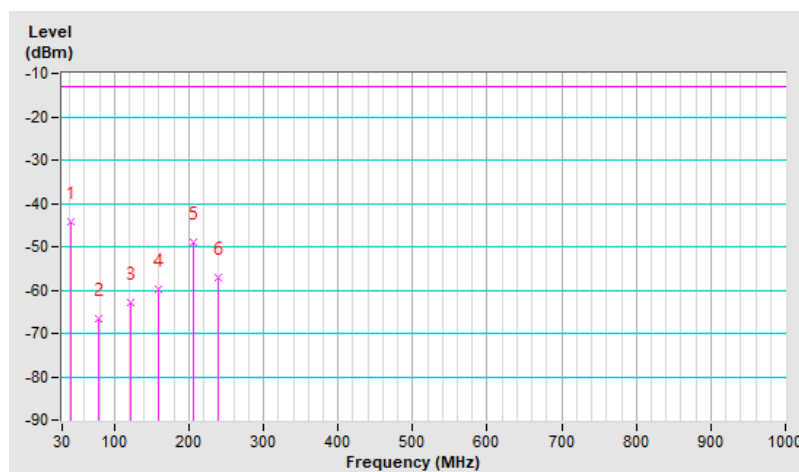
7.2.13 LTE Band 71

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, 67% RH
Tested By	Tony Wu		

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	41.66	-44.12	-13.00	-31.12	1.00 H	88	66.35	-110.47
2	79.34	-66.73	-13.00	-53.73	1.00 H	154	48.31	-115.04
3	122.15	-62.80	-13.00	-49.80	1.50 H	122	49.32	-112.12
4	158.94	-59.67	-13.00	-46.67	1.50 H	237	50.12	-109.79
5	205.15	-48.85	-13.00	-35.85	2.00 H	347	64.74	-113.59
6	239.32	-57.15	-13.00	-44.15	2.00 H	158	54.38	-111.53

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.

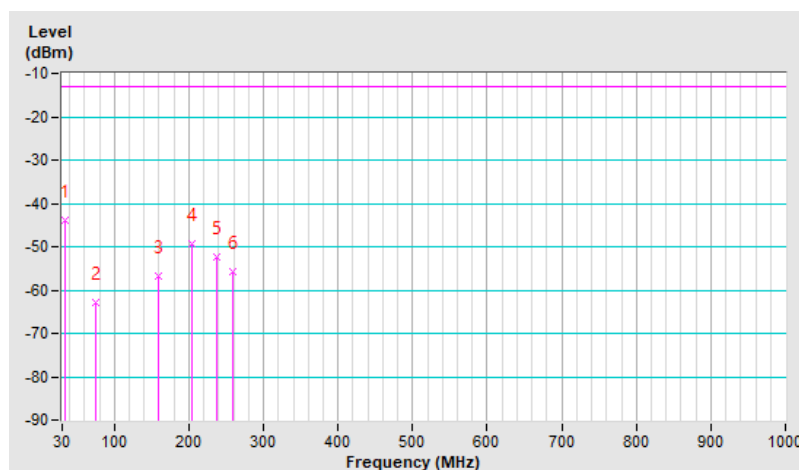


RF Mode	LTE Band 71 Channel Bandwidth: 20MHz	Channel	CH 133297 : 680.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

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	34.85	-43.74	-13.00	-30.74	1.00 V	81	67.43	-111.17
2	74.63	-62.95	-13.00	-49.95	1.00 V	132	50.87	-113.82
3	158.33	-56.62	-13.00	-43.62	1.50 V	31	53.14	-109.76
4	203.14	-49.23	-13.00	-36.23	1.50 V	14	64.32	-113.55
5	237.97	-52.28	-13.00	-39.28	1.50 V	159	59.34	-111.62
6	259.46	-55.74	-13.00	-42.74	2.00 V	239	55.12	-110.86

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.



Mode B

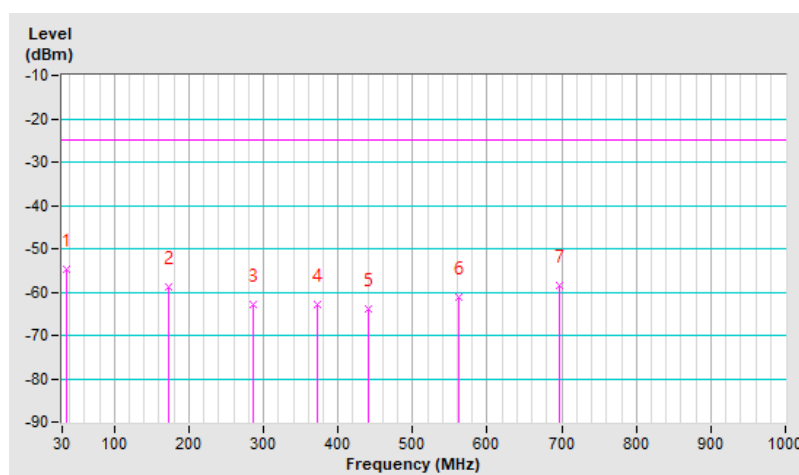
7.2.14 LTE Band 7

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, 67% RH
Tested By	Tony Wu		

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	36.79	-54.78	-25.00	-29.78	1.00 H	208	54.08	-108.86
2	172.59	-58.77	-25.00	-33.77	1.00 H	232	49.52	-108.29
3	286.08	-62.97	-25.00	-37.97	1.50 H	130	44.41	-107.38
4	371.44	-63.00	-25.00	-38.00	2.00 H	2	42.35	-105.35
5	441.28	-63.87	-25.00	-38.87	1.50 H	168	39.20	-103.07
6	562.53	-61.33	-25.00	-36.33	2.00 H	110	39.23	-100.56
7	697.36	-58.57	-25.00	-33.57	1.50 H	2	39.08	-97.65

Remarks:

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

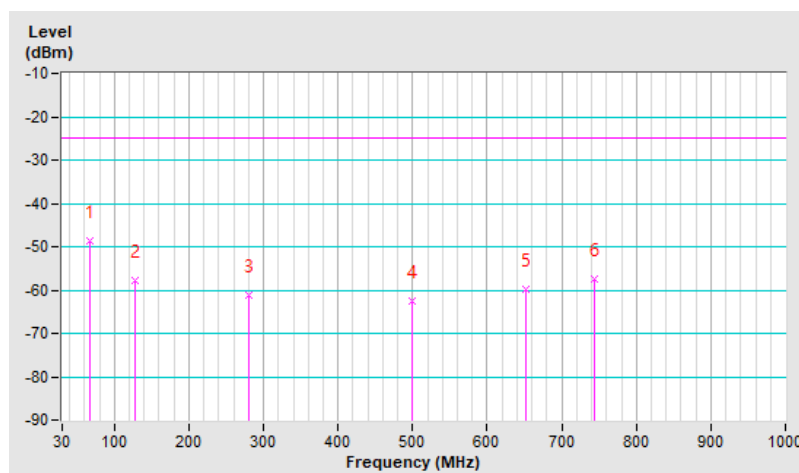


RF Mode	LTE Band 7 Channel Bandwidth: 20MHz	Channel	CH 21100 : 2535 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

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	67.83	-48.78	-25.00	-23.78	1.00 V	284	61.48	-110.26
2	127.97	-57.85	-25.00	-32.85	2.00 V	192	51.54	-109.39
3	280.26	-61.10	-25.00	-36.10	1.50 V	193	46.44	-107.54
4	498.51	-62.42	-25.00	-37.42	2.00 V	295	39.56	-101.98
5	651.77	-59.95	-25.00	-34.95	1.50 V	19	38.39	-98.34
6	742.95	-57.50	-25.00	-32.50	1.50 V	221	39.11	-96.61

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.



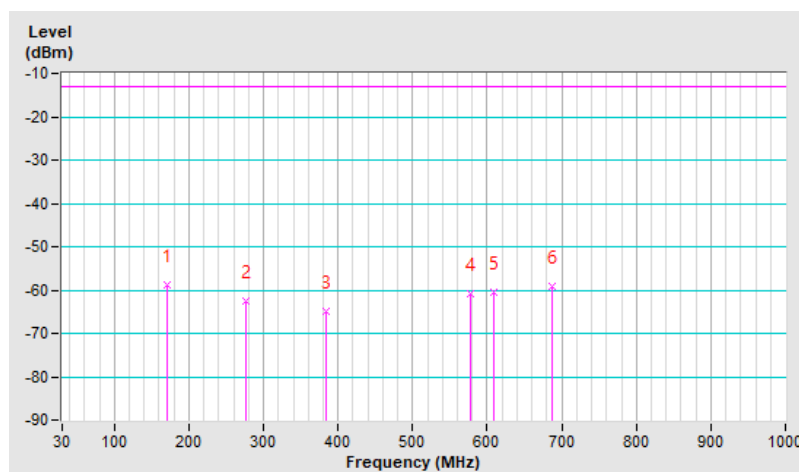
7.2.15 LTE Band 12

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, 67% RH
Tested By	Tony Wu		

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	171.62	-58.77	-13.00	-45.77	1.00 H	226	51.58	-110.35
2	276.38	-62.49	-13.00	-49.49	1.50 H	142	47.38	-109.87
3	384.05	-64.83	-13.00	-51.83	1.00 H	116	42.28	-107.11
4	578.05	-60.93	-13.00	-47.93	2.00 H	350	41.17	-102.10
5	608.12	-60.52	-13.00	-47.52	1.50 H	336	40.59	-101.11
6	686.69	-58.99	-13.00	-45.99	2.00 H	125	41.04	-100.03

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + $20\log(D) - 104.8 - 2.15$
- 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.

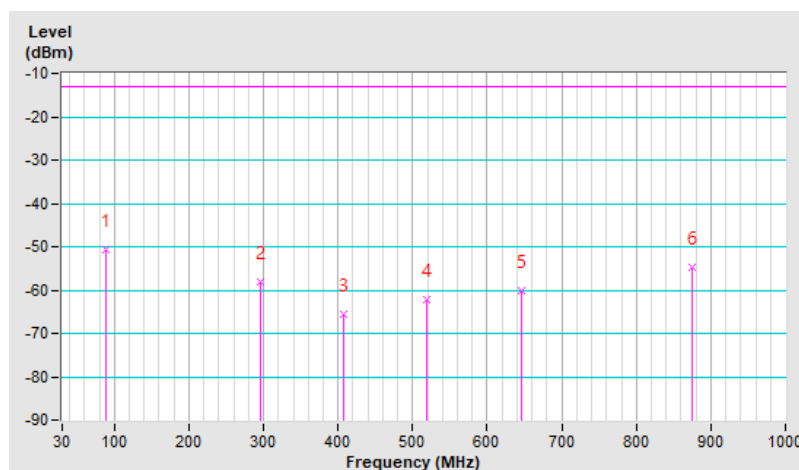


RF Mode	LTE Band 12 Channel Bandwidth: 10MHz	Channel	CH 23095 : 707.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

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	88.20	-50.60	-13.00	-37.60	1.00 V	115	65.61	-116.21
2	296.75	-58.01	-13.00	-45.01	1.50 V	290	51.33	-109.34
3	408.30	-65.55	-13.00	-52.55	2.00 V	89	40.95	-106.50
4	519.85	-62.21	-13.00	-49.21	1.50 V	20	41.39	-103.60
5	645.95	-60.30	-13.00	-47.30	1.00 V	142	40.21	-100.51
6	874.87	-54.61	-13.00	-41.61	1.50 V	203	42.67	-97.28

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) + $20\log(D)$ – 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.



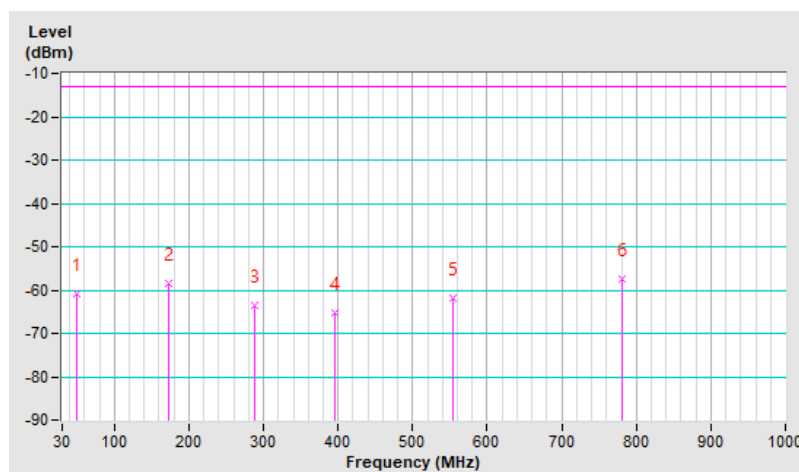
7.2.16 LTE Band 13

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, 67% RH
Tested By	Tony Wu		

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	50.37	-60.81	-13.00	-47.81	1.00 H	173	49.43	-110.24
2	173.56	-58.62	-13.00	-45.62	1.50 H	233	51.93	-110.55
3	288.02	-63.59	-13.00	-50.59	1.00 H	138	45.92	-109.51
4	395.69	-65.24	-13.00	-52.24	1.50 H	35	41.56	-106.80
5	554.77	-61.81	-13.00	-48.81	1.00 H	253	41.12	-102.93
6	780.78	-57.44	-13.00	-44.44	1.50 H	262	40.79	-98.23

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.

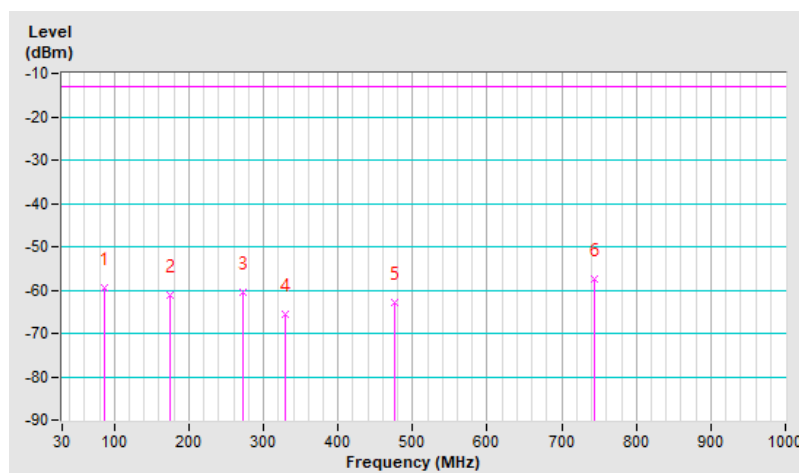


RF Mode	LTE Band 13 Channel Bandwidth: 10MHz	Channel	CH 23230 : 782 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

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	87.23	-59.65	-13.00	-46.65	1.00 V	155	56.55	-116.20
2	174.53	-61.06	-13.00	-48.06	1.00 V	5	49.58	-110.64
3	272.50	-60.47	-13.00	-47.47	1.50 V	182	49.62	-110.09
4	328.76	-65.73	-13.00	-52.73	1.00 V	3	42.59	-108.32
5	476.20	-62.76	-13.00	-49.76	2.00 V	8	41.75	-104.51
6	742.95	-57.45	-13.00	-44.45	1.50 V	76	41.31	-98.76

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.



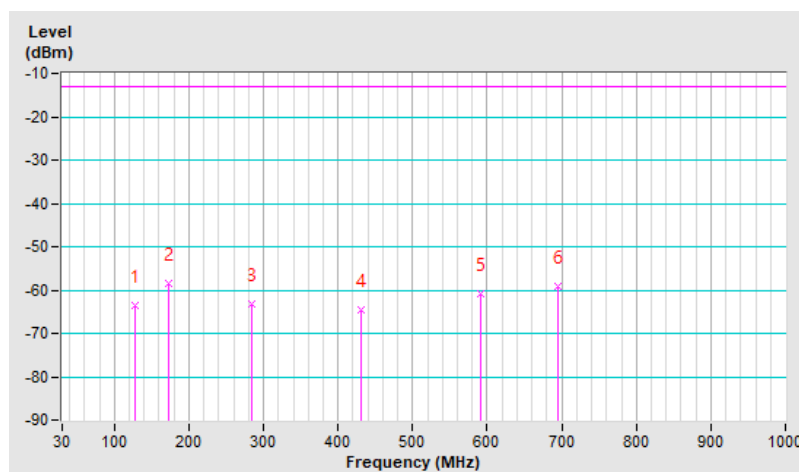
7.2.17 LTE Band 14

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, 67% RH
Tested By	Tony Wu		

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	127.97	-63.72	-13.00	-50.72	1.00 H	223	47.82	-111.54
2	172.59	-58.45	-13.00	-45.45	1.50 H	241	51.99	-110.44
3	285.11	-63.20	-13.00	-50.20	1.00 H	128	46.35	-109.55
4	431.58	-64.59	-13.00	-51.59	1.50 H	9	41.02	-105.61
5	590.66	-60.86	-13.00	-47.86	2.00 H	294	40.78	-101.64
6	694.45	-59.11	-13.00	-46.11	1.50 H	9	40.73	-99.84

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.

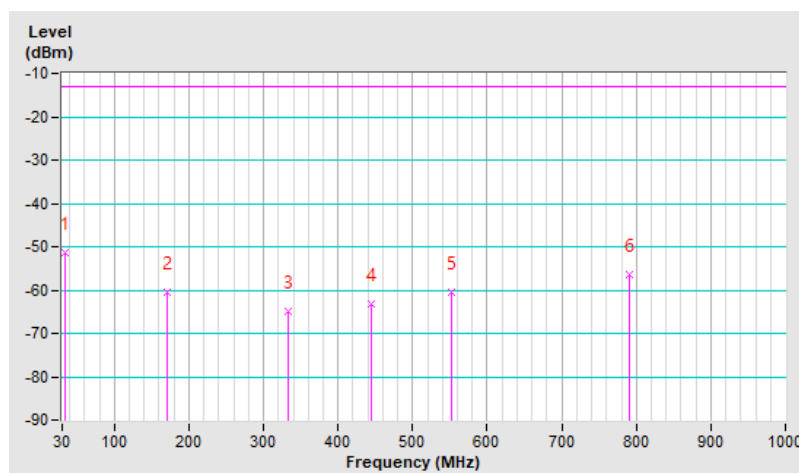


RF Mode	LTE Band 14 Channel Bandwidth: 10MHz	Channel	CH 23330 : 793 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

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	33.88	-51.39	-13.00	-38.39	1.00 V	9	59.98	-111.37
2	171.62	-60.67	-13.00	-47.67	1.00 V	9	49.68	-110.35
3	333.61	-65.00	-13.00	-52.00	1.50 V	134	43.26	-108.26
4	445.16	-63.10	-13.00	-50.10	2.00 V	177	41.97	-105.07
5	551.86	-60.48	-13.00	-47.48	1.50 V	182	42.51	-102.99
6	791.45	-56.37	-13.00	-43.37	1.50 V	15	41.85	-98.22

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.



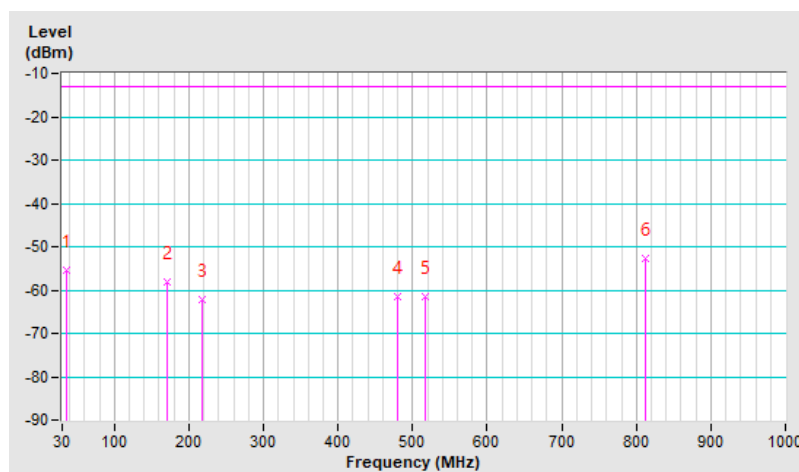
7.2.18 LTE Band 25

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, 67% RH
Tested By	Tony Wu		

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	36.79	-55.49	-13.00	-42.49	1.00 H	153	53.37	-108.86
2	171.62	-58.24	-13.00	-45.24	1.50 H	225	49.96	-108.20
3	217.21	-62.06	-13.00	-49.06	1.00 H	242	49.28	-111.34
4	480.08	-61.41	-13.00	-48.41	2.00 H	336	40.89	-102.30
5	517.91	-61.58	-13.00	-48.58	1.50 H	189	39.90	-101.48
6	812.79	-52.62	-13.00	-39.62	2.00 H	168	43.33	-95.95

Remarks:

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

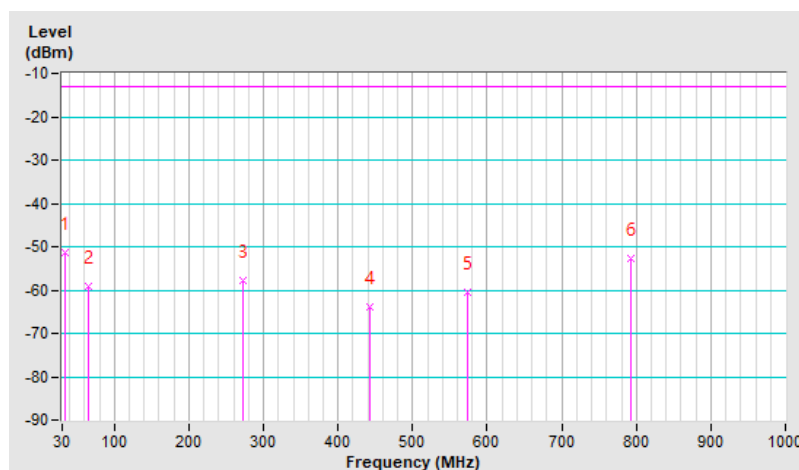


RF Mode	LTE Band 25 Channel Bandwidth: 20MHz	Channel	CH 26365 : 1882.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

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	33.88	-51.50	-13.00	-38.50	1.00 V	12	57.72	-109.22
2	65.89	-59.25	-13.00	-46.25	1.00 V	108	50.66	-109.91
3	272.50	-57.81	-13.00	-44.81	1.50 V	338	50.13	-107.94
4	443.22	-63.91	-13.00	-50.91	2.00 V	277	39.08	-102.99
5	573.20	-60.44	-13.00	-47.44	2.00 V	83	39.72	-100.16
6	792.42	-52.56	-13.00	-39.56	1.50 V	49	43.52	-96.08

Remarks:

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



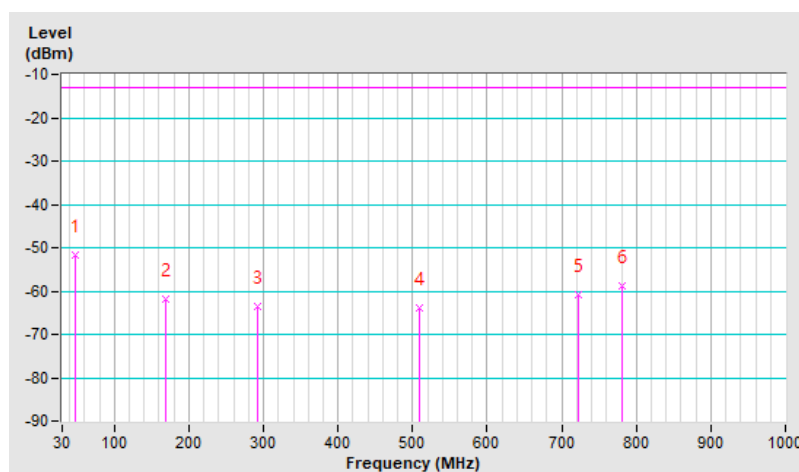
7.2.19 LTE Band 26 (814 MHz ~ 824 MHz)

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, 67% RH
Tested By	Tony Wu		

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	48.43	-51.86	-13.00	-38.86	1.00 H	9	58.30	-110.16
2	169.68	-61.83	-13.00	-48.83	1.50 H	176	48.39	-110.22
3	291.90	-63.42	-13.00	-50.42	1.00 H	176	46.02	-109.44
4	508.21	-63.97	-13.00	-50.97	2.00 H	176	39.91	-103.88
5	722.58	-60.75	-13.00	-47.75	2.00 H	98	38.79	-99.54
6	781.75	-58.80	-13.00	-45.80	1.50 H	24	39.40	-98.20

Remarks:

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

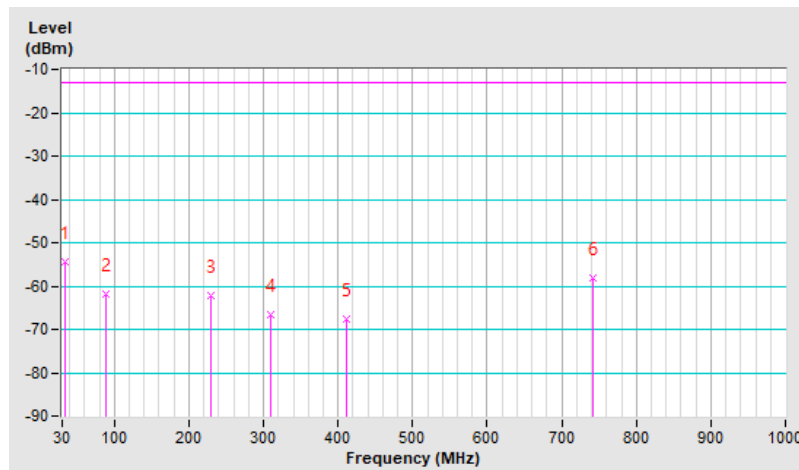


RF Mode	LTE Band 26 (814 MHz ~ 824 MHz) Channel Bandwidth: 10MHz	Channel	CH 26740 : 819 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

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	33.88	-54.31	-13.00	-41.31	1.00 V	42	57.06	-111.37
2	88.20	-61.86	-13.00	-48.86	1.50 V	296	54.35	-116.21
3	228.85	-62.34	-13.00	-49.34	2.00 V	240	50.27	-112.61
4	309.36	-66.54	-13.00	-53.54	2.00 V	215	42.37	-108.91
5	411.21	-67.48	-13.00	-54.48	1.50 V	146	38.94	-106.42
6	741.98	-58.27	-13.00	-45.27	1.50 V	13	40.55	-98.82

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.



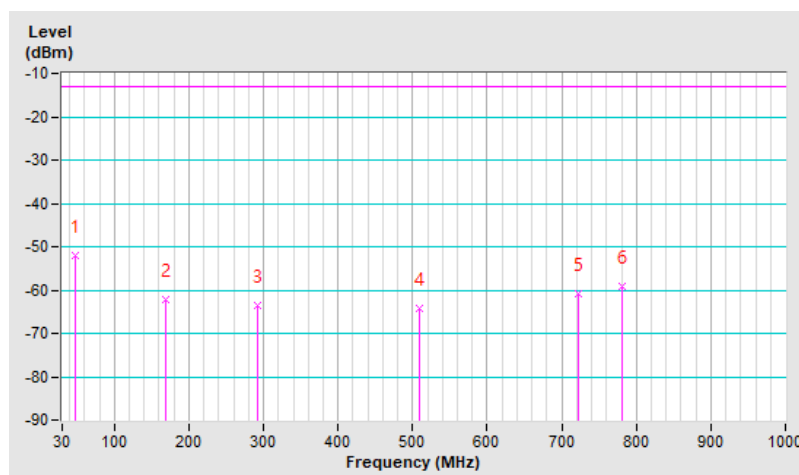
7.2.20 LTE Band 26 (824 MHz ~ 849 MHz)

RF Mode	LTE Band 26 (824 MHz ~ 849 MHz) Channel Bandwidth: 5MHz	Channel	CH 26915 : 836.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

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	48.39	-52.04	-13.00	-39.04	1.50 H	193	58.12	-110.16
2	169.42	-62.11	-13.00	-49.11	1.05 H	193	48.12	-110.23
3	291.66	-63.47	-13.00	-50.47	1.12 H	148	45.98	-109.45
4	508.26	-64.22	-13.00	-51.22	1.07 H	131	39.66	-103.88
5	722.42	-60.82	-13.00	-47.82	1.93 H	62	38.72	-99.54
6	780.64	-59.01	-13.00	-46.01	1.50 H	112	39.22	-98.23

Remarks:

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

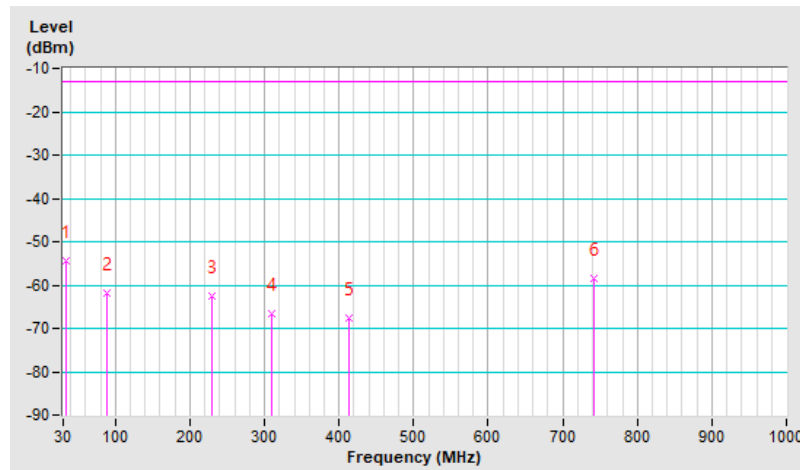


RF Mode	LTE Band 26 (824 MHz ~ 849 MHz) Channel Bandwidth: 5MHz	Channel	CH 26915 : 836.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

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	33.72	-54.48	-13.00	-41.48	1.16 V	240	56.91	-111.39
2	88.23	-61.94	-13.00	-48.94	1.50 V	288	54.27	-116.21
3	228.67	-62.52	-13.00	-49.52	1.83 V	204	50.12	-112.64
4	309.22	-66.76	-13.00	-53.76	1.25 V	204	42.16	-108.92
5	412.54	-67.60	-13.00	-54.60	1.50 V	153	38.78	-106.38
6	741.66	-58.42	-13.00	-45.42	1.59 V	24	40.42	-98.84

Remarks:

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



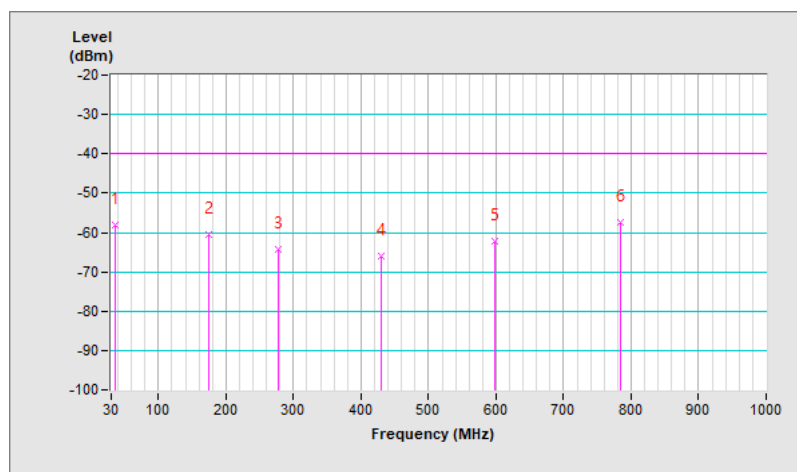
7.2.21 LTE Band 30

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, 67% RH
Tested By	Tony Wu		

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	36.79	-58.08	-40.00	-18.08	1.00 H	288	50.76	-108.84
2	173.56	-60.41	-40.00	-20.41	1.50 H	238	47.97	-108.38
3	278.32	-64.45	-40.00	-24.45	1.00 H	124	43.16	-107.61
4	429.64	-65.99	-40.00	-25.99	1.50 H	191	37.54	-103.53
5	597.45	-62.27	-40.00	-22.27	2.00 H	288	36.97	-99.24
6	783.69	-57.56	-40.00	-17.56	1.50 H	288	38.42	-95.98

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.

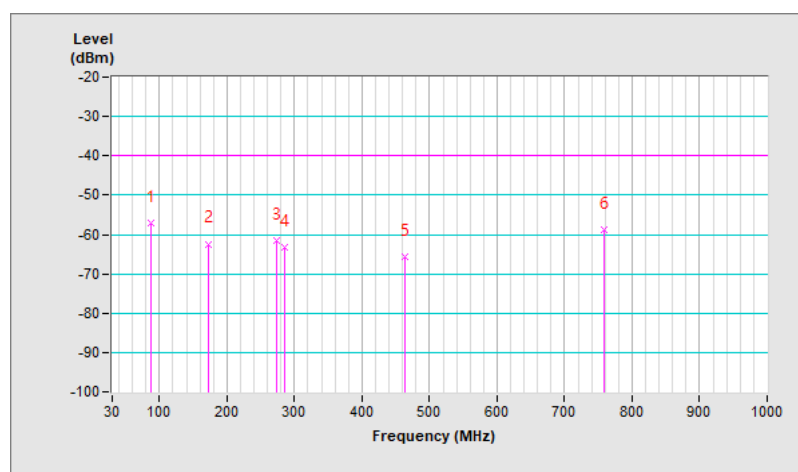


RF Mode	LTE Band 30 Channel Bandwidth: 10MHz	Channel	CH 27710 : 2310 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

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	88.20	-57.04	-40.00	-17.04	2.00 V	168	56.99	-114.03
2	171.62	-62.40	-40.00	-22.40	1.50 V	190	45.78	-108.18
3	272.50	-61.49	-40.00	-21.49	2.00 V	336	46.44	-107.93
4	286.08	-63.29	-40.00	-23.29	1.50 V	173	44.08	-107.37
5	463.59	-65.79	-40.00	-25.79	1.00 V	154	36.73	-102.52
6	759.44	-58.91	-40.00	-18.91	1.50 V	9	37.49	-96.40

Remarks:

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



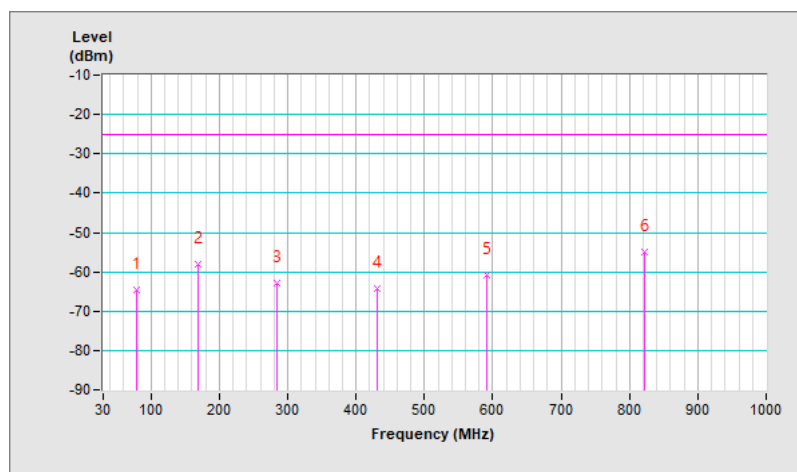
7.2.22 LTE Band 41

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, 67% RH
Tested By	Tony Wu		

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	-64.59	-25.00	-39.59	1.00 H	130	48.07	-112.66
2	169.68	-58.18	-25.00	-33.18	1.50 H	230	49.87	-108.05
3	285.11	-62.90	-25.00	-37.90	1.00 H	124	44.48	-107.38
4	431.58	-64.24	-25.00	-39.24	1.50 H	293	39.19	-103.43
5	590.66	-60.65	-25.00	-35.65	2.00 H	308	38.82	-99.47
6	821.52	-54.89	-25.00	-29.89	1.50 H	36	40.96	-95.85

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.

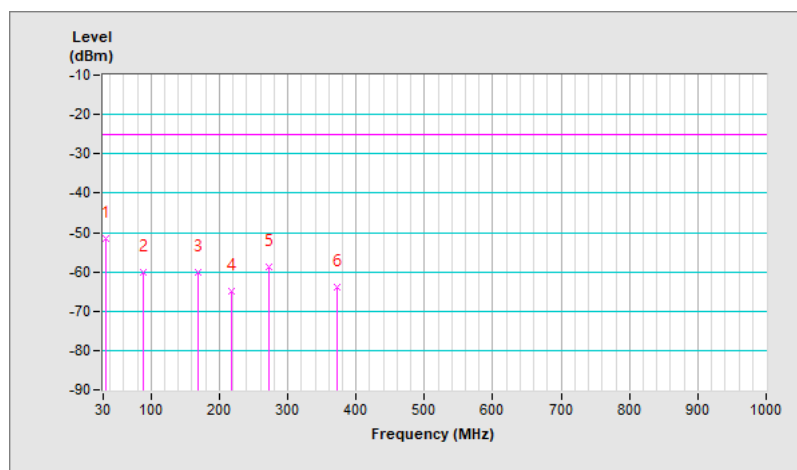


RF Mode	LTE Band 41 Channel Bandwidth: 20MHz	Channel	CH 41490 : 2680 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

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	33.88	-51.64	-25.00	-26.64	1.00 V	33	57.55	-109.19
2	88.20	-60.27	-25.00	-35.27	1.00 V	303	53.76	-114.03
3	169.68	-60.04	-25.00	-35.04	1.00 V	11	48.01	-108.05
4	217.21	-64.78	-25.00	-39.78	1.50 V	205	46.55	-111.33
5	273.47	-58.64	-25.00	-33.64	1.50 V	330	49.21	-107.85
6	371.44	-63.88	-25.00	-38.88	2.00 V	260	41.45	-105.33

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.



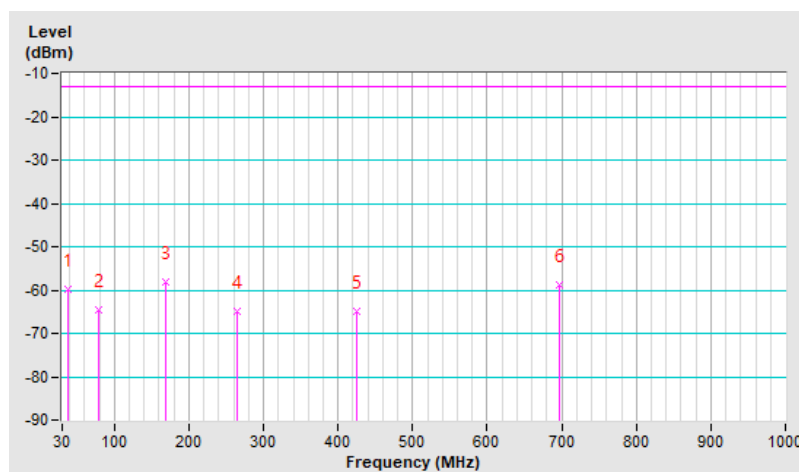
7.2.23 LTE Band 42

RF Mode	LTE Band 42 Channel Bandwidth: 20MHz	Channel	CH 42590 : 3500 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

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	38.73	-59.98	-13.00	-46.98	1.00 H	348	48.71	-108.69
2	78.50	-64.60	-13.00	-51.60	1.00 H	130	48.08	-112.68
3	169.68	-58.19	-13.00	-45.19	1.50 H	230	49.88	-108.07
4	263.77	-64.85	-13.00	-51.85	1.50 H	63	43.64	-108.49
5	425.76	-64.87	-13.00	-51.87	2.00 H	274	38.83	-103.70
6	697.36	-58.67	-13.00	-45.67	2.00 H	348	38.98	-97.65

Remarks:

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

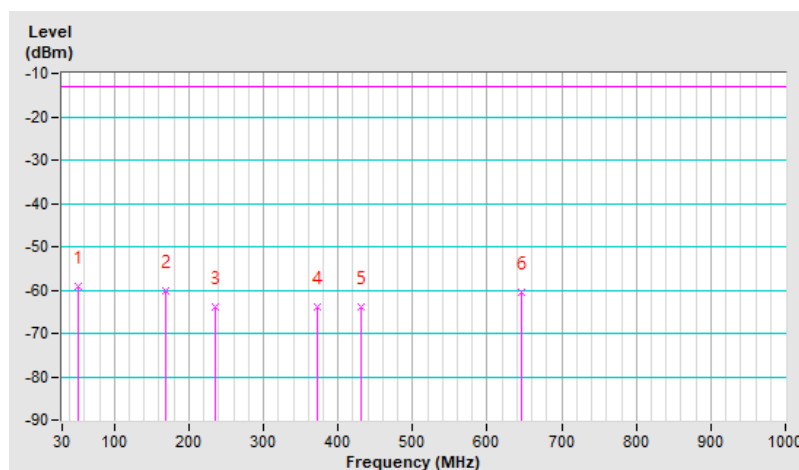


RF Mode	LTE Band 42 Channel Bandwidth: 20MHz	Channel	CH 42590 : 3500 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

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	51.34	-59.22	-13.00	-46.22	1.00 V	11	48.88	-108.10
2	169.68	-60.04	-13.00	-47.04	1.50 V	11	48.03	-108.07
3	234.67	-63.89	-13.00	-50.89	1.00 V	314	45.82	-109.71
4	371.44	-63.88	-13.00	-50.88	1.50 V	260	41.47	-105.35
5	430.61	-63.83	-13.00	-50.83	2.00 V	51	39.68	-103.51
6	645.95	-60.37	-13.00	-47.37	2.00 V	29	37.99	-98.36

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.



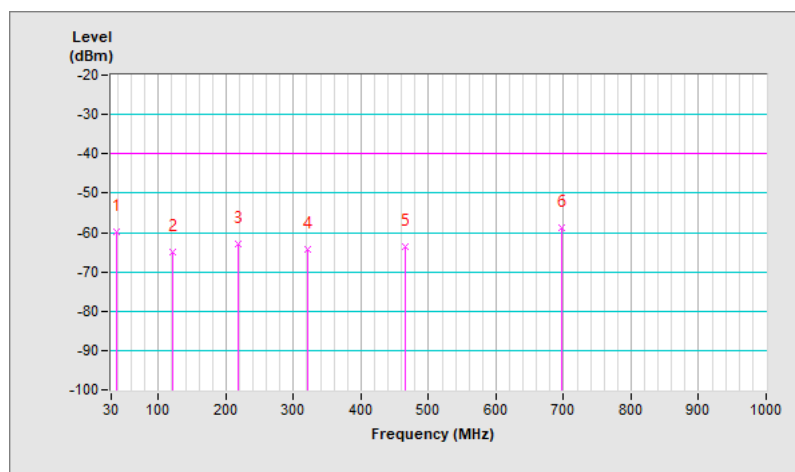
7.2.24 LTE Band 43

RF Mode	LTE Band 43 Channel Bandwidth: 20MHz	Channel	CH 45090 : 3750 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

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	38.73	-59.98	-40.00	-19.98	1.00 H	348	48.69	-108.67
2	121.18	-64.95	-40.00	-24.95	1.00 H	53	45.09	-110.04
3	217.21	-62.91	-40.00	-22.91	1.50 H	236	48.42	-111.33
4	320.03	-64.27	-40.00	-24.27	2.00 H	288	42.11	-106.38
5	464.56	-63.73	-40.00	-23.73	1.50 H	348	38.78	-102.51
6	697.36	-58.67	-40.00	-18.67	1.50 H	348	38.94	-97.61

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.

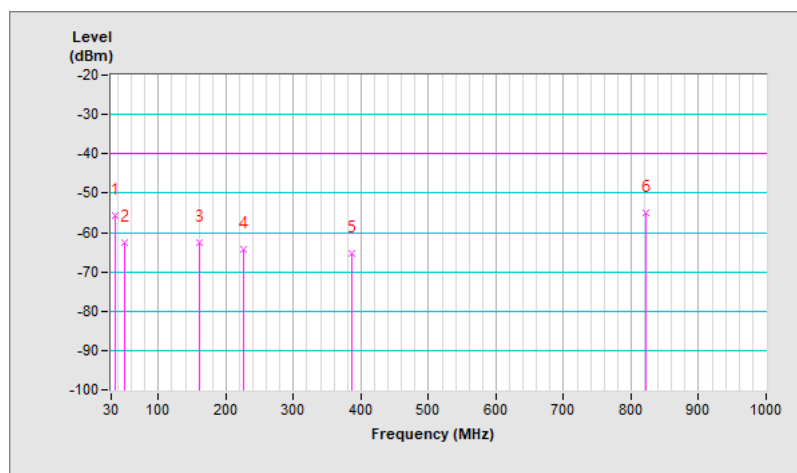


RF Mode	LTE Band 43 Channel Bandwidth: 20MHz	Channel	CH 45090 : 3750 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	36.79	-55.79	-40.00	-15.79	1.00 V	49	53.05	-108.84
2	49.40	-62.46	-40.00	-22.46	1.00 V	58	45.59	-108.05
3	159.98	-62.64	-40.00	-22.64	1.00 V	182	44.92	-107.56
4	226.91	-64.17	-40.00	-24.17	1.50 V	65	46.58	-110.75
5	386.96	-65.30	-40.00	-25.30	1.50 V	5	39.57	-104.87
6	821.52	-54.89	-40.00	-14.89	2.00 V	36	40.96	-95.85

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.



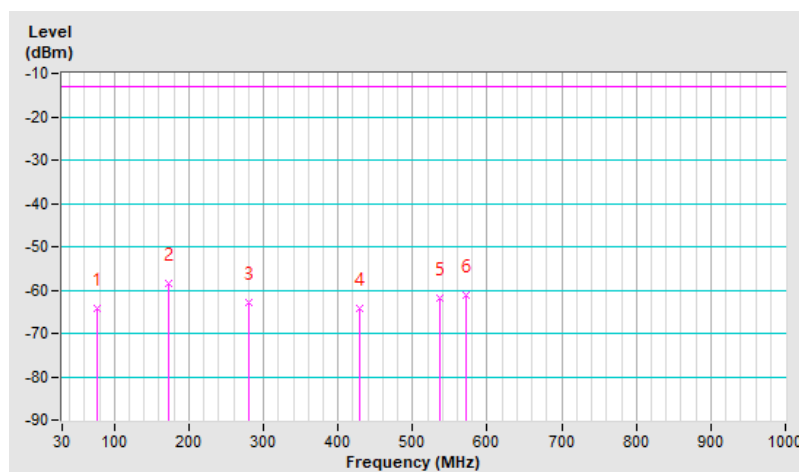
7.2.25 LTE Band 66

RF Mode	LTE Band 66 Channel Bandwidth: 20MHz	Channel	CH 132322 : 1745 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

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	76.56	-64.32	-13.00	-51.32	1.00 H	0	47.96	-112.28
2	172.59	-58.58	-13.00	-45.58	1.50 H	256	49.71	-108.29
3	280.26	-62.81	-13.00	-49.81	1.00 H	130	44.73	-107.54
4	429.64	-64.16	-13.00	-51.16	1.50 H	32	39.38	-103.54
5	536.34	-62.02	-13.00	-49.02	2.00 H	248	39.11	-101.13
6	572.23	-61.15	-13.00	-48.15	1.50 H	338	39.06	-100.21

Remarks:

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

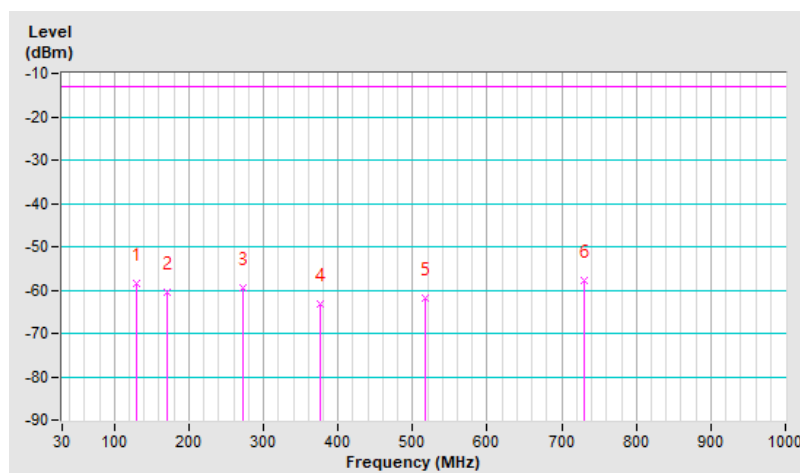


RF Mode	LTE Band 66 Channel Bandwidth: 20MHz	Channel	CH 132322 : 1745 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

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	129.91	-58.44	-13.00	-45.44	1.00 V	326	50.82	-109.26
2	171.62	-60.59	-13.00	-47.59	1.50 V	11	47.61	-108.20
3	272.50	-59.48	-13.00	-46.48	1.00 V	334	48.46	-107.94
4	375.32	-63.16	-13.00	-50.16	1.50 V	195	42.04	-105.20
5	516.94	-62.00	-13.00	-49.00	2.00 V	354	39.50	-101.50
6	730.34	-57.78	-13.00	-44.78	1.50 V	32	39.39	-97.17

Remarks:

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



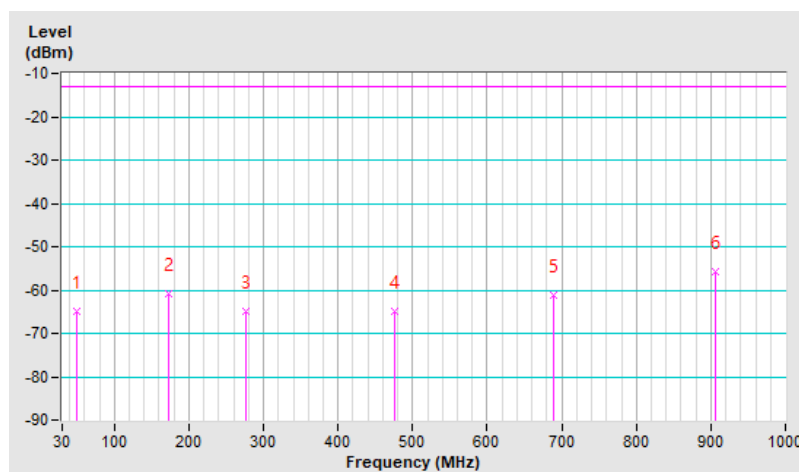
7.2.26 LTE Band 71

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, 67% RH
Tested By	Tony Wu		

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	50.37	-64.78	-13.00	-51.78	1.00 H	139	45.46	-110.24
2	173.56	-60.94	-13.00	-47.94	1.00 H	226	49.61	-110.55
3	277.35	-65.02	-13.00	-52.02	1.50 H	130	44.81	-109.83
4	476.20	-65.06	-13.00	-52.06	1.00 H	2	39.45	-104.51
5	689.60	-61.21	-13.00	-48.21	1.50 H	296	38.77	-99.98
6	905.91	-55.60	-13.00	-42.60	1.00 H	153	40.95	-96.55

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.

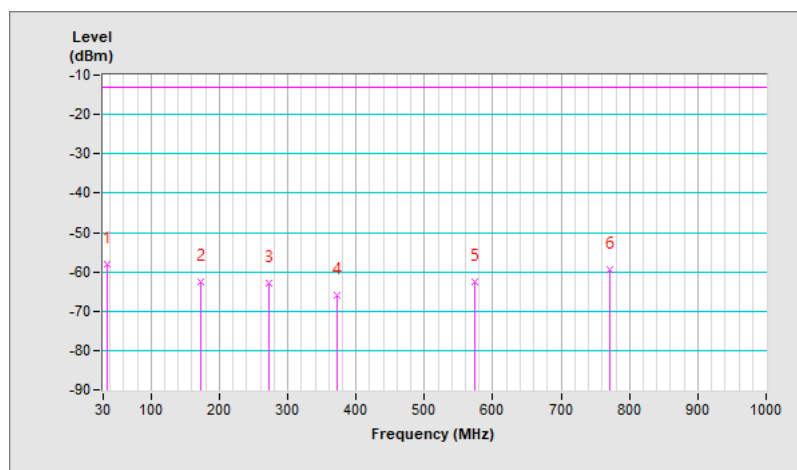


RF Mode	LTE Band 71 Channel Bandwidth: 20MHz	Channel	CH 133297 : 680.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

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	35.82	-58.21	-13.00	-45.21	1.00 V	266	50.86	-109.07
2	172.59	-62.44	-13.00	-49.44	1.50 V	16	45.84	-108.28
3	273.47	-62.81	-13.00	-49.81	1.00 V	332	45.04	-107.85
4	371.44	-66.05	-13.00	-53.05	1.50 V	263	39.28	-105.33
5	574.17	-62.43	-13.00	-49.43	2.00 V	41	37.68	-100.11
6	771.08	-59.30	-13.00	-46.30	2.00 V	280	36.87	-96.17

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

Mode A

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, 67% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5070.00	-48.19	-25.00	-23.19	1.84 H	147	43.94	-92.13
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5070.00	-47.43	-25.00	-22.43	1.47 V	214	44.70	-92.13

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.

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, 67% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1415.00	-57.63	-13.00	-44.63	1.82 H	217	46.69	-104.32
2	2122.50	-51.79	-13.00	-38.79	2.31 H	116	50.53	-102.32
3	2830.00	-52.57	-13.00	-39.57	1.94 H	219	47.46	-100.03
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	-57.12	-13.00	-44.12	2.06 V	178	47.20	-104.32
2	2122.50	-50.66	-13.00	-37.66	1.13 V	70	51.66	-102.32
3	2830.00	-50.94	-13.00	-37.94	1.56 V	226	49.09	-100.03

Remarks:

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

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, 67% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1564.00	-56.86	-40.00	-16.86	1.53 H	293	45.28	-102.14
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	-56.11	-40.00	-16.11	1.00 V	110	46.03	-102.14

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, 67% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1586.00	-57.53	-40.00	-17.53	1.16 H	193	44.55	-102.08
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1586.00	-55.92	-40.00	-15.92	2.30 V	262	46.16	-102.08

Remarks:

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

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, 67% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3765.00	-46.52	-13.00	-33.52	1.52 H	16	48.45	-94.97
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	-44.93	-13.00	-31.93	2.68 V	0	50.04	-94.97

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.

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, 67% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1638.00	-55.03	-13.00	-42.03	1.25 H	182	49.21	-104.24
2	2457.00	-51.35	-13.00	-38.35	2.08 H	211	50.31	-101.66
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1638.00	-53.68	-13.00	-40.68	2.25 V	121	50.56	-104.24
2	2457.00	-50.06	-13.00	-37.06	2.21 V	244	51.60	-101.66

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: 5MHz	Channel	CH 26915 : 836.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.00	-55.12	-13.00	-42.12	1.21 H	193	49.08	-104.20
2	2509.50	-51.19	-13.00	-38.19	2.12 H	217	50.35	-101.54
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.00	-53.42	-13.00	-40.42	2.30 V	258	50.78	-104.20
2	2509.50	-49.88	-13.00	-36.88	2.26 V	248	51.66	-101.54

Remarks:

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

7.3.8 LTE Band 30

RF Mode	LTE Band 30 Channel Bandwidth: 10MHz	Channel	CH 27710 : 2310 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	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4620.00	-50.86	-40.00	-10.86	2.00 H	315	41.69	-92.55
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4620.00	-48.47	-40.00	-8.47	1.10 V	358	44.08	-92.55

Remarks:

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

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	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5360.00	-45.90	-25.00	-20.90	1.06 H	24	46.82	-92.72
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	5360.00	-45.57	-25.00	-20.57	1.38 V	226	47.15	-92.72

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.

7.3.10 LTE Band 42

RF Mode	LTE Band 42 Channel Bandwidth: 20MHz	Channel	CH 42590 : 3500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7000.00	-50.08	-13.00	-37.08	1.47 H	224	43.81	-93.89
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7000.00	-49.22	-13.00	-36.22	1.57 V	144	44.67	-93.89

Remarks:

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

7.3.11 LTE Band 43

RF Mode	LTE Band 43 Channel Bandwidth: 20MHz	Channel	CH 45090 : 3750 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, 67% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7500.00	-50.68	-13.00	-37.68	1.48 H	254	43.21	-93.89
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7500.00	-51.42	-13.00	-38.42	1.67 V	302	42.47	-93.89

Remarks:

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

7.3.12 LTE Band 66

RF Mode	LTE Band 66 Channel Bandwidth: 20MHz	Channel	CH 132322 : 1745 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 66% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3540.00	-48.77	-13.00	-35.77	1.53 H	229	47.22	-95.99
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3540.00	-49.07	-13.00	-36.07	1.15 V	182	46.92	-95.99

Remarks:

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

7.3.13 LTE Band 71

RF Mode	LTE Band 71 Channel Bandwidth: 10MHz	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, 67% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1361.00	-54.13	-13.00	-41.13	1.36 H	225	50.23	-104.36
2	2041.50	-53.49	-13.00	-40.49	1.21 H	196	48.96	-102.45
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1361.00	-52.59	-13.00	-39.59	1.00 V	276	51.77	-104.36
2	2041.50	-52.94	-13.00	-39.94	1.08 V	251	49.51	-102.45

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.

Mode B

7.3.14 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, 67% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5070.00	-48.19	-25.00	-23.19	1.84 H	147	43.94	-92.13
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5070.00	-47.43	-25.00	-22.43	1.47 V	214	47.34	-94.77

Remarks:

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

7.3.15 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, 67% RH
Tested By	Tony Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1415.00	-58.91	-13.00	-45.91	2.14 H	289	45.41	-104.32
2	2830.00	-49.30	-13.00	-36.30	2.19 H	194	50.73	-100.03
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1415.00	-56.78	-13.00	-43.78	1.73 V	315	47.54	-104.32
2	2830.00	-50.35	-13.00	-37.35	1.34 V	13	49.68	-100.03

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.

7.3.16 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, 67% RH
Tested By	Tony Wu		

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	-58.15	-40.00	-18.15	1.66 H	290	43.99	-102.14
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	-57.25	-40.00	-17.25	1.09 V	135	44.89	-102.14

Remarks:

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

7.3.17 LTE Band 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, 67% RH
Tested By	Tony Wu		

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	-59.22	-40.00	-19.22	1.37 H	215	42.86	-102.08
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1586.00	-58.19	-40.00	-18.19	2.47 V	279	43.89	-102.08

Remarks:

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

7.3.18 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, 67% RH
Tested By	Tony Wu		

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	-49.69	-13.00	-36.69	2.48 H	277	45.28	-94.97
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	-43.90	-13.00	-30.90	3.10 V	342	51.07	-94.97

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.

7.3.19 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, 67% RH
Tested By	Tony Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1638.00	-54.91	-13.00	-41.91	1.37 H	199	41.13	-96.04
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	1638.00	-53.24	-13.00	-40.24	2.27 V	139	42.80	-96.04

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.

7.3.20 LTE Band 26 (824 MHz ~ 849 MHz)

RF Mode	LTE Band 26 (824 MHz ~ 849 MHz) Channel Bandwidth: 5MHz	Channel	CH 26915 : 836.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.00	-56.17	-13.00	-43.17	1.37 H	199	39.87	-96.04
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	1673.00	-55.48	-13.00	-42.48	2.71 V	215	40.56	-96.04

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.

7.3.21 LTE Band 30

RF Mode	LTE Band 30 Channel Bandwidth: 10MHz	Channel	CH 27710 : 2310 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

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	-52.37	-40.00	-12.37	2.39 H	38	40.18	-92.55
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	4620.00	-52.93	-40.00	-12.93	1.00 V	205	39.62	-92.55

Remarks:

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

7.3.22 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, 67% RH
Tested By	Tony Wu		

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	-45.91	-25.00	-20.91	1.49 H	267	46.81	-92.72
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	5360.00	-45.97	-25.00	-20.97	1.43 V	265	46.75	-92.72

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.

7.3.23 LTE Band 42

RF Mode	LTE Band 42 Channel Bandwidth: 20MHz	Channel	CH 42590 : 3500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7000.00	-50.44	-13.00	-37.44	1.47 H	224	43.45	-93.89
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7000.00	-49.44	-13.00	-36.44	1.57 V	144	44.45	-93.89

Remarks:

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

7.3.24 LTE Band 43

RF Mode	LTE Band 43 Channel Bandwidth: 20MHz	Channel	CH 45090 : 3750 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, 67% RH
Tested By	Karl Lee		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7500.00	-50.75	-13.00	-37.75	1.48 H	254	43.14	-93.89
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7500.00	-51.64	-13.00	-38.64	1.67 V	302	42.25	-93.89

Remarks:

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

7.3.25 LTE Band 66

RF Mode	LTE Band 66 Channel Bandwidth: 20MHz	Channel	CH 132322 : 1745 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67% RH
Tested By	Tony Wu		

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	-48.81	-13.00	-35.81	1.51 H	230	47.18	-95.99
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3540.00	-49.28	-13.00	-36.28	1.15 V	188	46.71	-95.99

Remarks:

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

7.3.26 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, 67% RH
Tested By	Tony Wu		

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	-58.21	-13.00	-45.21	1.58 H	237	46.15	-104.36
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1361.00	-54.75	-13.00	-41.75	2.61 V	301	49.61	-104.36

Remarks:

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

8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

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

If you have any comments, please feel free to contact us at the following:

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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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