FCC RF Test Report

APPLICANT	:	Honeywell International Inc. Honeywell Safety and Productivity Solutions
EQUIPMENT	:	RT10A
BRAND NAME	:	Honeywell
MODEL NAME	:	RT10AL1N
FCC ID	:	HD5-RT10AL1N
STANDARD	:	47 CFR Part 2, 22(H), 24(E), 27(L), 27(M), 27(F), 27(H)
CLASSIFICATION	:	PCS Licensed Transmitter (PCB)

The product was received on May 22, 2020 and completely tested on Jul. 13, 2020. We, Sporton International (Kunshan) Inc., would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26-2015 and shown compliance with the applicable technical standards.

This product installed a RF module (Brand Name: Honeywell, Model Name: SOM660W, FCC ID: HD5-660W) during the test, only ERP/EIRP and RSE test items are tested in this report, all the other test results are quoted on module RF report.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International (Kunshan) Inc., the test report shall not be reproduced except in full.

Jason Jia

Reviewed by: Jason Jia / Supervisor

James Huang

Approved by: James Huang / Manager

ACCREDITED
Cert #5145.02

Sporton International (Kunshan) Inc.
No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG052222B	Rev. 01	Initial issue of report	Aug. 27, 2020

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	§2.1046	Conducted Output Power	Reporting Only	PASS	-
	§22.913(a)(5)	Effective Radiated Power (Band 5) (Band 26)	ERP < 7 Watt	PASS	-
	§27.50(b)(10) §27.50(c)(10)	Effective Radiated Power (Band 12) (Band 13) (Band 17)	ERP < 3 Watt	PASS	-
	§24.232(c) §27.50(h)(2)	Equivalent Isotropic Radiated Power (Band 2) (Band 25) (Band 7) (Band 38) (Band 41)	EIRP < 2Watt	PASS	-
	§27.50(d)(4)	Equivalent Isotropic Radiated Power (Band 4)	EIRP < 1Watt	PASS	-
3.5	§24.232(d)	Peak-to-Average Ratio	<13 dB	PASS	1
3.6	§2.1049	Occupied Bandwidth	Reporting Only	PASS	1
3.7	§2.1051 §22.917(a) §24.238(a) §27.53(c)(2)(4) §27.53(g) §27.53(h)	Conducted Band Edge Measurement (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26)	< 43+10log10(P[Watts])	PASS	1
	§27.53(m)(4)	Conducted Band Edge Measurement (Band 7) (Band 38) (Band 41)	§27.53(m)(4)		
3.8	§2.1051 §22.917(a) §24.238(a) §27.53(c)(2) §27.53(g) §27.53(h)	Conducted Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26)	< 43+10log10(P[Watts])	PASS	1
	§2.1051 §27.53(m)(4)	Conducted Spurious Emission (Band 7) (Band 38) (Band 41)	< 55+10log$_{10}$(P[Watts])		
3.9	§2.1055 §22.355	Frequency Stability Temperature & Voltage	< 2.5 ppm for Part 22	PASS	1
	§2.1055 §24.235 §27.54		Within Authorized Band		

Report Section	FCC Rule	Description	Limit	Result	Remark
4.4	§2.1053 §22.917(a) §24.238(a) §27.53(c)(2) §27.53(f) §27.53(g) §27.53(h)	Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26)	< 43+10log$_{10}$(P[Watts])	PASS	Under limit 3.01 dB at 7752.000 MHz
	§2.1053 §27.53(m)(4)	Radiated Spurious Emission (Band 7) (Band 38) (Band 41)	< 55+10log$_{10}$(P[Watts])		
Remark 1: All conducted test items were leveraged from module RF report which can refer to Report No. "RF171130C26, RF171130C26-1, RF171130C26-2, RF171130C26-3"					

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1 General Description

1.1 Applicant

Honeywell International Inc.
Honeywell Safety and Productivity Solutions
9680 Old Bailes Rd. Fort Mill, SC 29707 United States

1.2 Manufacturer

Honeywell International Inc.
Honeywell Safety and Productivity Solutions
9680 Old Bailes Rd. Fort Mill, SC 29707 United States

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	RT10A
Brand Name	Honeywell
Model Name	RT10AL1N
FCC ID	HD5-RT10AL1N
EUT supports Radios application	CDMA/GSM/WCDMA/LTE/NFC/GNSS WLAN 2.4GHz 802.11b/g/n HT20 WLAN 5GHz 802.11a/n HT20/HT40 WLAN 5GHz 802.11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE
IMEI Code	990016020002208
HW Version	V1.0
SW Version	OS.03.003-HON.02.001.DO
EUT Stage	Identical Prototype

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	LTE Band 2 : 1850.7 MHz ~ 1909.3 MHz LTE Band 4 : 1710.7 MHz ~ 1754.3 MHz LTE Band 5 : 824.7 MHz ~ 848.3 MHz LTE Band 7 : 2502.5 MHz ~ 2567.5 MHz LTE Band 12 : 699.7 MHz ~ 715.3 MHz LTE Band 13 : 779.5 MHz ~ 784.5 MHz LTE Band 17 : 706.5 MHz ~ 713.5 MHz LTE Band 25 : 1850.7 MHz ~ 1914.3 MHz LTE Band 26 : 824.7 MHz ~ 848.3 MHz LTE Band 38 : 2572.5 MHz ~ 2617.5 MHz LTE Band 41 : 2498.5 MHz ~ 2687.5 MHz
Rx Frequency	LTE Band 2 : 1930.7 MHz ~ 1989.3 MHz LTE Band 4 : 2110.7 MHz ~ 2154.3 MHz LTE Band 5 : 869.7 MHz ~ 893.3 MHz LTE Band 7 : 2622.5 MHz ~ 2687.5 MHz LTE Band 12 : 729.7 MHz ~ 745.3 MHz LTE Band 13 : 748.5 MHz ~ 753.5 MHz LTE Band 17 : 736.5 MHz ~ 743.5 MHz LTE Band 25 : 1930.7 MHz ~ 1994.3 MHz LTE Band 26 : 869.7 MHz ~ 893.3 MHz LTE Band 29 : 718.5 MHz ~ 726.5 MHz LTE Band 38: 2572.5 MHz ~ 2617.5 MHz LTE Band 41 : 2498.5 MHz ~ 2687.5 MHz
Bandwidth	LTE Band 2 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 4 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 5 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 7 : 5MHz/ 10MHz / 15MHz / 20MHz LTE Band 12 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 13 : 5MHz / 10MHz LTE Band 17 : 5MHz / 10MHz LTE Band 25 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 26 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz LTE Band 38 : 5MHz / 10MHz / 15MHz / 20MHz LTE Band 41 : 5MHz / 10MHz / 15MHz / 20MHz
Maximum Output Power to Antenna	LTE Band 2 : 23.13 dBm LTE Band 4 : 23.98 dBm LTE Band 5 : 23.32 dBm LTE Band 7 : 23.04 dBm LTE Band 12 : 23.40 dBm LTE Band 13 : 23.42 dBm LTE Band 17 : 23.35 dBm LTE Band 25 : 23.16 dBm LTE Band 26 : 23.45 dBm LTE Band 38 : 23.18 dBm LTE Band 41 : 23.24 dBm
Antenna Gain	LTE Band 2 : 0.72 dBi LTE Band 4 : 1.07 dBi LTE Band 5 : -0.44 dBi LTE Band 7 : 2.95 dBi LTE Band 12 : 1.11 dBi

	LTE Band 13 : 0.95 dBi LTE Band 17 : 1.11 dBi LTE Band 25 : 0.72 dBi LTE Band 26 : -0.16 dBi LTE Band 38 : 3.05 dBi LTE Band 41 : 3.05 dBi
Type of Modulation	QPSK / 16QAM / 64QAM

1.5 Modification of EUT

No modifications are made to the EUT during all test items.

1.6 Maximum ERP/EIRP Power

LTE Band 2		QPSK			16QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
1.4	1850.7 ~ 1909.3	-	-	0.2296	-	-	0.1950
3	1851.5 ~ 1908.5	-	-	0.2301	-	-	0.1977
5	1852.5 ~ 1907.5	-	-	0.2317	-	-	0.2004
10	1855.0 ~ 1905.0	-	-	0.2438	-	-	0.2046
15	1857.5 ~ 1902.5	-	-	0.2355	-	-	0.2018
20	1860.0 ~ 1900.0	-	-	0.2443	-	-	0.2094

LTE Band 2		64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
1.4	1850.7 ~ 1909.3	-	-	0.1524
3	1851.5 ~ 1908.5	-	-	0.1560
5	1852.5 ~ 1907.5	-	-	0.1563
10	1855.0 ~ 1905.0	-	-	0.1592
15	1857.5 ~ 1902.5	-	-	0.1578
20	1860.0 ~ 1900.0	-	-	0.1618

LTE Band 25		QPSK			16QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
1.4	1850.7 ~ 1914.3	-	-	0.2296	-	-	0.1950
3	1851.5 ~ 1913.5	-	-	0.2301	-	-	0.1977
5	1852.5 ~ 1912.5	-	-	0.2317	-	-	0.2004
10	1855.0 ~ 1910.0	-	-	0.2438	-	-	0.2046
15	1857.5 ~ 1907.5	-	-	0.2355	-	-	0.2018
20	1860.0 ~ 1905.0	-	-	0.2443	-	-	0.2094

LTE Band 25		64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
1.4	1850.7 ~ 1914.3	-	-	0.1524
3	1851.5 ~ 1913.5	-	-	0.1560
5	1852.5 ~ 1912.5	-	-	0.1563
10	1855.0 ~ 1910.0	-	-	0.1592
15	1857.5 ~ 1907.5	-	-	0.1578

20	1860.0 ~ 1905.0	-		-		0.1618	
LTE Band 4		**QPSK**			**16QAM**		
BW (MHz)	**Frequency Range (MHz)**	**Emission Designator (99%OBW)**	**Frequency Tolerance (ppm)**	**Maximum EIRP(W)**	**Emission Designator (99%OBW)**	**Frequency Tolerance (ppm)**	**Maximum EIRP(W)**
1.4	1710.7 ~ 1754.3	-	-	0.3097	-	-	0.2483
3	1711.5 ~ 1753.5	-	-	0.3119	-	-	0.2512
5	1712.5 ~ 1752.5	-	-	0.3141	-	-	0.2512
10	1715.0 ~ 1750.0	-	-	0.3192	-	-	0.2547
15	1717.5 ~ 1747.5	-	-	0.3184	-	-	0.2535
20	1720.0 ~ 1745.0	-	-	0.3199	-	-	0.2553
LTE Band 4		**64QAM**					
BW (MHz)	**Frequency Range (MHz)**	**Emission Designator (99%OBW)**		**Frequency Tolerance (ppm)**		**Maximum EIRP(W)**	
1.4	1710.7 ~ 1754.3	-		-		0.1968	
3	1711.5 ~ 1753.5	-		-		0.1963	
5	1712.5 ~ 1752.5	-		-		0.1986	
10	1715.0 ~ 1750.0	-		-		0.2028	
15	1717.5 ~ 1747.5	-		-		0.2023	
20	1720.0 ~ 1745.0	-		-		0.2018	
LTE Band 5		**QPSK**			**16QAM**		
BW (MHz)	**Frequency Range (MHz)**	**Emission Designator (99%OBW)**	**Frequency Tolerance (ppm)**	**Maximum ERP(W)**	**Emission Designator (99%OBW)**	**Frequency Tolerance (ppm)**	**Maximum ERP(W)**
1.4	824.7 ~ 848.3	-	-	0.1288	-	-	0.1119
3	825.5 ~ 847.5	-	-	0.1288	-	-	0.1119
5	826.5 ~ 846.5	-	-	0.1294	-	-	0.1117
10	829.0 ~ 844.0	-	-	0.1288	-	-	0.1122
LTE Band 5		**64QAM**					
BW (MHz)	**Frequency Range (MHz)**	**Emission Designator (99%OBW)**		**Frequency Tolerance (ppm)**		**Maximum ERP(W)**	
1.4	824.7 ~ 848.3	-		-		0.0869	
3	825.5 ~ 847.5	-		-		0.0873	
5	826.5 ~ 846.5	-		-		0.0875	
10	829.0 ~ 844.0	-		-		0.0887	

LTE Band 7		QPSK			16QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
5	2502.5 ~ 2567.5	-	-	0.3926	-	-	0.3327
10	2505.0 ~ 2565.0	-	-	0.3882	-	-	0.3334
15	2507.5 ~ 2562.5	-	-	0.3936	-	-	0.3357
20	2510.0 ~ 2560.0	-	-	0.3972	-	-	0.3381

LTE Band 7		64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
5	2502.5 ~ 2567.5	-	-	0.2588
10	2505.0 ~ 2565.0	-	-	0.2564
15	2507.5 ~ 2562.5	-	-	0.2630
20	2510.0 ~ 2560.0	-	-	0.2624

LTE Band 12		QPSK			16QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
1.4	699.7 ~ 715.3	-	-	0.1714	-	-	0.1466
3	700.5 ~ 714.5	-	-	0.1718	-	-	0.1469
5	701.5 ~ 713.5	-	-	0.1714	-	-	0.1476
10	704.0 ~ 711.0	-	-	0.1722	-	-	0.1445

LTE Band 12		64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
1.4	699.7 ~ 715.3	-	-	0.1151
3	700.5 ~ 714.5	-	-	0.1164
5	701.5 ~ 713.5	-	-	0.1164
10	704.0 ~ 711.0	-	-	0.1159

LTE Band 13		QPSK			16QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
5	779.5 ~ 784.5	-	-	0.1652	-	-	0.1340
10	782.0	-	-	0.1667	-	-	0.1318

LTE Band 13		64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
5	779.5 ~ 784.5	-	-	0.1064
10	782.0	-	-	0.1057

LTE Band 17		QPSK			16QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
5	706.5 ~ 713.5	-	-	0.1714	-	-	0.1476
10	709.0 ~ 711.0	-	-	0.1722	-	-	0.1445

LTE Band 17		64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
5	706.5 ~ 713.5	-	-	0.1164
10	709.0 ~ 711.0	-	-	0.1159

LTE Band 26		QPSK			16QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
1.4	824.7 ~ 848.3	-	-	0.1288	-	-	0.1119
3	825.5 ~ 847.5	-	-	0.1288	-	-	0.1119
5	826.5 ~ 846.5	-	-	0.1294	-	-	0.1117
10	829.0 ~ 844.0	-	-	0.1288	-	-	0.1122
15	831.5 ~ 841.5	-	-	0.1300	-	-	0.1130
15	**821.5**	-	-	0.1297	-	-	0.1130

LTE Band 26		64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
1.4	824.7 ~ 848.3	-	-	0.0869
3	825.5 ~ 847.5	-	-	0.0873
5	826.5 ~ 846.5	-	-	0.0875

10	829.0 ~ 844.0	-		-		0.0887	
15	831.5 ~ 841.5	-		-		0.0893	
15	**821.5**	-		-		0.0893	
LTE Band 38		**QPSK**			**16QAM**		
BW (MHz)	**Frequency Range (MHz)**	**Emission Designator (99%OBW)**	**Frequency Tolerance (ppm)**	**Maximum EIRP(W)**	**Emission Designator (99%OBW)**	**Frequency Tolerance (ppm)**	**Maximum EIRP(W)**
5	2572.5 ~ 2617.5	-	-	0.4027	-	-	0.3289
10	2575.0 ~ 2615.0	-	-	0.4246	-	-	0.3443
15	2577.5 ~ 2612.5	-	-	0.4064	-	-	0.3342
20	2580.0 ~ 2610.0	-	-	0.4256	-	-	0.3334
LTE Band 38		**64QAM**					
BW (MHz)	**Frequency Range (MHz)**	**Emission Designator (99%OBW)**		**Frequency Tolerance (ppm)**		**Maximum EIRP(W)**	
5	2572.5 ~ 2617.5	-		-		0.2399	
10	2575.0 ~ 2615.0	-		-		0.2500	
15	2577.5 ~ 2612.5	-		-		0.2421	
20	2580.0 ~ 2610.0	-		-		0.2415	
LTE Band 41		**QPSK**			**16QAM**		
BW (MHz)	**Frequency Range (MHz)**	**Emission Designator (99%OBW)**	**Frequency Tolerance (ppm)**	**Maximum EIRP(W)**	**Emission Designator (99%OBW)**	**Frequency Tolerance (ppm)**	**Maximum EIRP(W)**
5	2498.5 ~ 2687.5	-	-	0.4027	-	-	0.3289
10	2501.0 ~ 2685.0	-	-	0.4246	-	-	0.3443
15	2503.5 ~ 2682.5	-	-	0.4064	-	-	0.3342
20	2506.0 ~ 2680.0	-	-	0.4256	-	-	0.3334
LTE Band 41		**64QAM**					
BW (MHz)	**Frequency Range (MHz)**	**Emission Designator (99%OBW)**		**Frequency Tolerance (ppm)**		**Maximum EIRP(W)**	
5	2498.5 ~ 2687.5	-		-		0.2399	
10	2501.0 ~ 2685.0	-		-		0.2500	
15	2503.5 ~ 2682.5	-		-		0.2421	
20	2506.0 ~ 2680.0	-		-		0.2415	

Note:

1. LTE Band 26 overlaps the entire frequency range of LTE Band 5. Therefore, the test results provided in this report covers Band 26 as well as Band 5.
2. LTE Band 25 overlaps the entire frequency range of LTE Band 2. Therefore, the test results provided in this report covers Band 25 as well as Band 2.

3. LTE Band 12 overlaps the entire frequency range of LTE Band 17. Therefore, the test results provided in this report covers Band 12 as well as Band 17.
4. LTE Band 41 overlaps the entire frequency range of LTE Band 38. Therefore, the test results provided in this report covers Band 41 as well as Band 38.

1.7 Testing Location

Sporton International (Kunshan) Inc. is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Test Firm	Sporton International (Kunshan) Inc.		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158 FAX : +86-512-57900958		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	03CH04-KS	CN1257	314309

1.8 Test Software

Item	Site	Manufacture	Name	Version
1.	03CH04-KS	AUDIX	E3	6.2009-8-24a

1.9 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR Part 2, 22(H), 24(E), 27(L), 27(M), 27(F), 27(H)
- ANSI C63.26-2015
- FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
- FCC KDB 412172 D01 Determining ERP and EIRP v01r01

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.

2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

2.1 Test Mode

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas License Digital Systems v03r01 with maximum output power.

Radiated measurements are performed by rotating the EUT in three different orthogonal test planes to find the maximum emission.

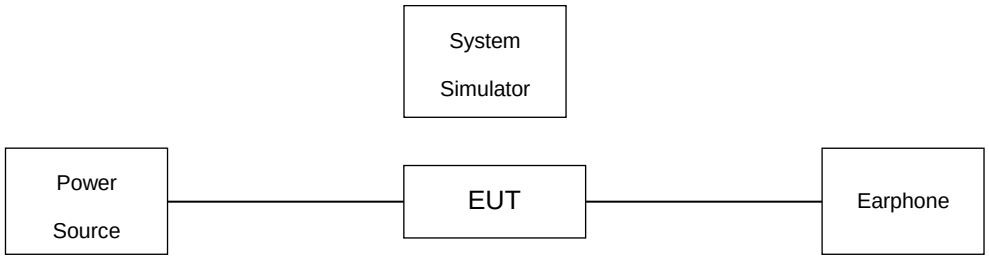
Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Max. Output Power	2	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	5	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v
	7	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	12	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v
	13	-	-	v	v	-	-	v	v	v	v	v	v	v	v	v
	17	-	-	v	v	-	-	v	v	v	v	v	v	v	v	v
	25	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	26	v	v	v	v	v	-	v	v	v	v	v	v	v	v	v
	38	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	41	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v

Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
E.R.P / E.I.R.P	4	v	v	v	v	v	v	v	v	v	v			v	v	v
	7	-	-	v	v	v	v	v	v	v	v			v	v	v
	12	v	v	v	v	-	-	v	v	v	v			v	v	v
	13	-	-	v	v	-	-	v	v	v	v			v	v	v
	25	v	v	v	v	v	v	v	v	v	v			v	v	v
	26	v	v	v	v	v	-	v	v	v	v			v	v	v
	41	-	-	v	v	v	v	v	v	v	v			v	v	v
Radiated Spurious Emission	4	Worst Case												v	v	v
	7	Worst Case												v	v	v
	12	Worst Case												v	v	v
	13	Worst Case												v	v	v
	25	Worst Case												v	v	v
	26	Worst Case												v	v	v
	41	Worst Case												v	v	v

Note

1. The mark "**v** " means that this configuration is chosen for testing
2. The mark "-" means that this bandwidth is not supported.
3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.
4. LTE Band 26 overlaps the entire frequency range of LTE Band 5. Therefore, the test results provided in this report covers Band 26 as well as Band 5.
5. LTE Band 25 overlaps the entire frequency range of LTE Band 2. Therefore, the test results provided in this report covers Band 25 as well as Band 2.
6. LTE Band 12 overlaps the entire frequency range of LTE Band 17. Therefore, the test results provided in this report covers Band 12 as well as Band 17.
7. LTE Band 41 overlaps the entire frequency range of LTE Band 38. Therefore, the test results provided in this report covers Band 41 as well as Band 38.

2.2 Connection Diagram of Test System



This example is connection diagram of EUT test configurations.

. For detail, please refer to test mode configuration and setup photographs for each test item.

2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	Earphone	Lenovo	P121	N/A	Unshielded,1.2m	N/A
2.	Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m

2.4 Frequency List of Low/Middle/High Channels

LTE Band 2 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	18700	18900	19100
	Frequency	1860	1880	1900
15	Channel	18675	18900	19125
	Frequency	1857.5	1880	1902.5
10	Channel	18650	18900	19150
	Frequency	1855	1880	1905
5	Channel	18625	18900	19175
	Frequency	1852.5	1880	1907.5
3	Channel	18615	18900	19185
	Frequency	1851.5	1880	1908.5
1.4	Channel	18607	18900	19193
	Frequency	1850.7	1880	1909.3

LTE Band 4 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20050	20175	20300
	Frequency	1720	1732.5	1745
15	Channel	20025	20175	20325
	Frequency	1717.5	1732.5	1747.5
10	Channel	20000	20175	20350
	Frequency	1715	1732.5	1750
5	Channel	19975	20175	20375
	Frequency	1712.5	1732.5	1752.5
3	Channel	19965	20175	20385
	Frequency	1711.5	1732.5	1753.5
1.4	Channel	19957	20175	20393
	Frequency	1710.7	1732.5	1754.3

LTE Band 5 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
10	Channel	20450	20525	20600
	Frequency	829	836.5	844
5	Channel	20425	20525	20625
	Frequency	826.5	836.5	846.5
3	Channel	20415	20525	20635
	Frequency	825.5	836.5	847.5
1.4	Channel	20407	20525	20643
	Frequency	824.7	836.5	848.3

LTE Band 7 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
20	Channel	20850	21100	21350
	Frequency	2510	2535	2560
15	Channel	20825	21100	21375
	Frequency	2507.5	2535	2562.5
10	Channel	20800	21100	21400
	Frequency	2505	2535	2565
5	Channel	20775	21100	21425
	Frequency	2502.5	2535	2567.5

LTE Band 12 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	23060	23095	23130
	Frequency	704	707.5	711
5	Channel	23035	23095	23155
	Frequency	701.5	707.5	713.5
3	Channel	23025	23095	23165
	Frequency	700.5	707.5	714.5
1.4	Channel	23017	23095	23173
	Frequency	699.7	707.5	715.3

LTE Band 13 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	-	23230	-
	Frequency	-	782	-
5	Channel	23205	23230	23255
	Frequency	779.5	782	784.5

LTE Band 17 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	23780	23790	23800
	Frequency	709	710	711
5	Channel	23755	23790	23825
	Frequency	706.5	710	713.5

LTE Band 25 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	26140	26340	26590
	Frequency	1860	1880	1905
15	Channel	26115	26340	26615
	Frequency	1857.5	1880	1907.5
10	Channel	26090	26340	26640
	Frequency	1855	1880	1910
5	Channel	26065	26340	26665
	Frequency	1852.5	1880	1912.5
3	Channel	26055	26340	26675
	Frequency	1851.5	1880	1913.5
1.4	Channel	26047	26340	26683
	Frequency	1850.7	1880	1914.3

LTE Band 26 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
15	Channel	26865	26915	26965
	Frequency	831.5	836.5	841.5
10	Channel	26840	26915	26990
	Frequency	829	836.5	844
5	Channel	26815	26915	27015
	Frequency	826.5	836.5	846.5
3	Channel	26805	26915	27025
	Frequency	825.5	836.5	847.5
1.4	Channel	26797	26915	27033
	Frequency	824.7	836.5	848.3

LTE Band 38 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	37850	38000	38150
	Frequency	2580	2595	2610
15	Channel	37825	38000	38175
	Frequency	2577.5	2595	2612.5
10	Channel	37800	38000	38200
	Frequency	2575	2595	2615
5	Channel	37775	38000	38225
	Frequency	2572.5	2595	2617.5

LTE Band 41 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	39750	40620	41490
	Frequency	2506	2593	2680
15	Channel	39725	40620	41515
	Frequency	2503.5	2593	2682.5
10	Channel	39700	40620	41540
	Frequency	2501	2593	2685
5	Channel	39675	40620	41565
	Frequency	2498.5	2593	2687.5

3 Conducted Test Items

3.1 Conducted Output Power and ERP/EIRP

3.1.1 Description of the Conducted Output Power Measurement and ERP/EIRP Measurement

A system simulator was used to establish communication with the EUT. Its parameters were set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The ERP of mobile transmitters must not exceed 7 Watts for LTE Band 5 and Band 26.

The ERP of mobile transmitters must not exceed 3 Watts for LTE Band 12, Band 13 and Band 17.

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 2 and Band 25 and Band 7 and Band 38 and Band 41.

The EIRP of mobile transmitters must not exceed 1 Watts for LTE Band 4.

According to KDB 412172 D01 Power Approach,

EIRP = $P_T + G_T – L_C$, ERP = EIRP -2.15, where

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB

3.1.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.2
2. The transmitter output port was connected to the system simulator.
3. Set EUT at maximum power through the system simulator.
4. Select lowest, middle, and highest channels for each band and different modulation.
5. Measure and record the power level from the system simulator.

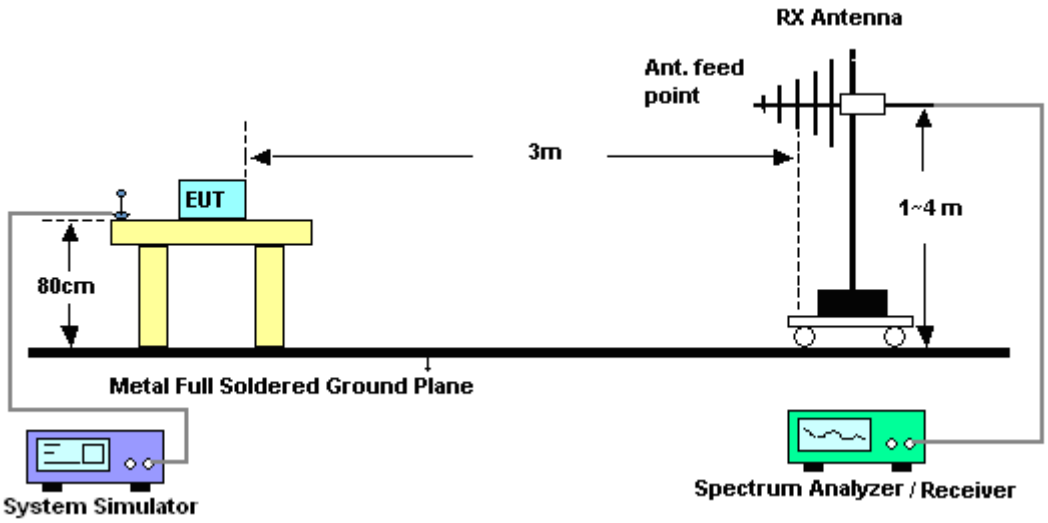
4 Radiated Test Items

4.1 Measuring Instruments

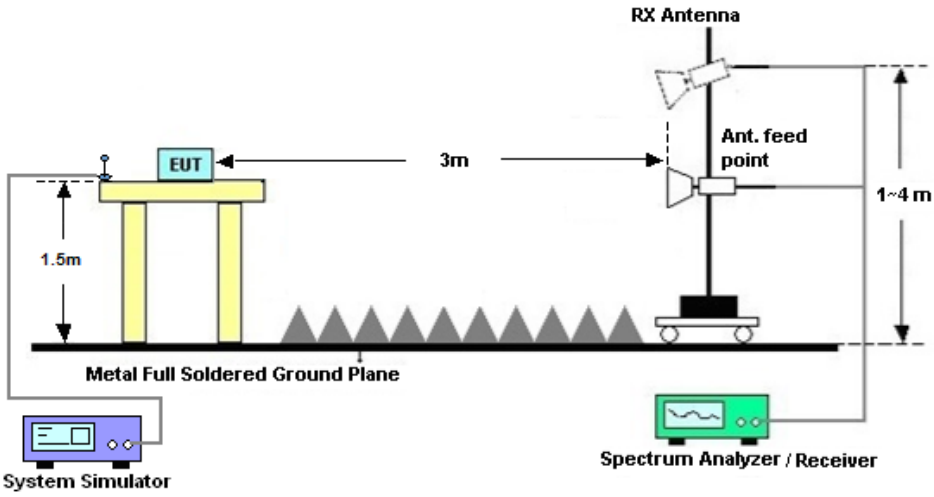
See list of measuring instruments of this test report.

4.2 Test Setup

4.2.1 For radiated test from 30MHz to 1GHz



4.2.2 For radiated test above 1GHz



4.3 Test Result of Radiated Test

Please refer to Appendix B.

4.4 Radiated Spurious Emission

4.4.1 Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI C63.26. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least 43 + 10 log (P) dB.

For Band 7, 38, 41

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least 55 + 10 log (P) dB.

For LTE Band 13

For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions 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.

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

4.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
2. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
6. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
7. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
8. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
9. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
10. EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain
11. ERP (dBm) = EIRP - 2.15
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
    The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [43 + 10log(P)] (dB)
    = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
    = -13dBm.
13. For Band 7, 38, 41:
    The limit line is derived from 55 + 10log(P)dB below the transmitter power P(Watts)

5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EXA Spectrum Analyzer	Keysight	N9010A	MY55150244	10Hz-44G,MAX 30dB	Apr. 15, 2020	Jul. 13, 2020	Apr. 14, 2021	Radiation (03CH04-KS)
Bilog Antenna	TeseQ	CBL6111D	49922	30MHz-1GHz	Jan. 02, 2020	Jul. 13, 2020	Jan. 01, 2021	Radiation (03CH04-KS)
Horn Antenna	Schwarzbeck	BBHA9120D	1356	1GHz~18GHz	Apr. 20, 2020	Jul. 13, 2020	Apr. 19, 2021	Radiation (03CH04-KS)
SHF-EHF Horn	Com-power	AH-840	101115	18GHz~40GHz	Nov. 10, 2019	Jul. 13, 2020	Nov. 09, 2020	Radiation (03CH04-KS)
Amplifier	SONOMA	310N	187289	9KHz-1GHz	Jan. 02, 2020	Jul. 13, 2020	Jan. 01, 2021	Radiation (03CH04-KS)
Amplifier	MITEQ	EM18G40G GA	060728	18~40GHz	Jan. 08, 2020	Jul. 13, 2020	Jan. 07, 2021	Radiation (03CH04-KS)
high gain Amplifier	MITEQ	AMF-7D-00 101800-30-1 0P	2025788	1Ghz-18Ghz	Jan. 02, 2020	Jul. 13, 2020	Jan. 01, 2021	Radiation (03CH04-KS)
Amplifier	Keysight	83017A	MY57280106	500MHz~26.5GHz	Oct. 15, 2019	Jul. 13, 2020	Oct. 14, 2020	Radiation (03CH04-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Jul. 13, 2020	NCR	Radiation (03CH04-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Jul. 13, 2020	NCR	Radiation (03CH04-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Jul. 13, 2020	NCR	Radiation (03CH04-KS)

NCR: No Calibration Required

6 Uncertainty of Evaluation

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.26-2015. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.3dB

Uncertainty of Radiated Emission Measurement (1 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.8dB

Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power)

LTE Band 2

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	23.10	23.13	22.87
20	QPSK	1	49	22.90	22.87	22.84
20	QPSK	1	99	22.86	22.98	22.83
20	QPSK	50	0	21.91	21.92	21.80
20	QPSK	50	24	21.88	21.90	21.67
20	QPSK	50	50	21.75	21.85	21.69
20	QPSK	100	0	21.80	21.91	21.81
20	16QAM	1	0	22.50	22.45	22.35
20	16QAM	1	49	22.24	22.23	22.08
20	16QAM	1	99	22.30	22.33	22.03
20	16QAM	50	0	21.06	21.04	20.96
20	16QAM	50	24	21.04	21.02	20.81
20	16QAM	50	50	20.90	20.99	20.76
20	16QAM	100	0	20.88	20.98	20.91
20	64QAM	1	0	21.42	21.40	21.22
20	64QAM	1	49	21.17	21.16	20.97
20	64QAM	1	99	21.29	21.30	20.96
20	64QAM	50	0	20.06	20.07	20.00
20	64QAM	50	24	20.05	20.06	19.82
20	64QAM	50	50	19.88	19.98	19.79
20	64QAM	100	0	19.92	19.99	19.98

Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	22.93	22.96	22.78
15	QPSK	1	37	22.78	22.81	22.64
15	QPSK	1	74	22.84	22.88	22.67
15	QPSK	36	0	21.91	21.89	21.70
15	QPSK	36	20	21.94	21.93	21.71
15	QPSK	36	39	21.87	21.82	21.67
15	QPSK	75	0	21.95	21.92	21.71
15	16QAM	1	0	22.25	22.28	22.15
15	16QAM	1	37	22.27	22.21	22.00
15	16QAM	1	74	22.28	22.29	22.05
15	16QAM	36	0	21.03	21.08	20.86
15	16QAM	36	20	21.05	21.03	20.83
15	16QAM	36	39	21.05	21.00	20.76
15	16QAM	75	0	21.04	21.00	20.84
15	64QAM	1	0	21.25	21.31	21.14
15	64QAM	1	37	21.19	21.19	20.90
15	64QAM	1	74	21.16	21.24	20.90
15	64QAM	36	0	20.11	20.10	19.86
15	64QAM	36	20	20.06	20.08	19.86
15	64QAM	36	39	20.03	20.07	19.85
15	64QAM	75	0	20.04	20.03	19.80

Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	23.04	23.07	22.70
10	QPSK	1	25	22.82	22.82	22.64
10	QPSK	1	49	23.02	22.98	22.64
10	QPSK	25	0	21.88	21.91	21.65
10	QPSK	25	12	21.85	21.89	21.66
10	QPSK	25	25	21.92	21.83	21.67
10	QPSK	50	0	21.85	21.88	21.69
10	16QAM	1	0	22.45	22.33	21.95
10	16QAM	1	25	22.20	22.24	21.97
10	16QAM	1	49	22.44	22.42	21.96
10	16QAM	25	0	21.08	21.02	20.81
10	16QAM	25	12	21.03	21.04	20.76
10	16QAM	25	25	21.02	20.95	20.79
10	16QAM	50	0	21.02	20.98	20.74
10	64QAM	1	0	21.41	21.35	21.02
10	64QAM	1	25	21.14	21.09	21.08
10	64QAM	1	49	21.32	21.34	21.10
10	64QAM	25	0	20.07	20.07	19.82
10	64QAM	25	12	20.02	20.00	19.80
10	64QAM	25	25	20.02	20.01	19.79
10	64QAM	50	0	20.02	20.04	19.80

Channel				18625	18900	19175
Frequency (MHz)				1852.5	1880	1907.5
5	QPSK	1	0	22.84	22.87	22.66
5	QPSK	1	12	22.80	22.78	22.61
5	QPSK	1	24	22.85	22.82	22.62
5	QPSK	12	0	21.90	21.86	21.64
5	QPSK	12	7	21.85	21.84	21.65
5	QPSK	12	13	21.85	21.86	21.66
5	QPSK	25	0	21.82	21.83	21.68
5	16QAM	1	0	22.28	22.16	21.94
5	16QAM	1	12	22.24	22.17	21.94
5	16QAM	1	24	22.33	22.18	22.03
5	16QAM	12	0	21.08	21.05	20.74
5	16QAM	12	7	21.01	21.02	20.80
5	16QAM	12	13	21.02	21.01	20.74
5	16QAM	25	0	20.96	20.97	20.75
5	64QAM	1	0	21.17	21.17	20.98
5	64QAM	1	12	21.16	21.16	20.88
5	64QAM	1	24	21.23	21.20	20.99
5	64QAM	12	0	20.06	20.08	19.84
5	64QAM	12	7	20.11	20.03	19.83
5	64QAM	12	13	20.05	20.01	19.80
5	64QAM	25	0	19.97	19.97	19.77

Channel				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	22.86	22.87	22.66
3	QPSK	1	8	22.81	22.78	22.65
3	QPSK	1	14	22.82	22.81	22.64
3	QPSK	8	0	21.84	21.83	21.65
3	QPSK	8	4	21.84	21.88	21.68
3	QPSK	8	7	21.87	21.82	21.64
3	QPSK	15	0	21.82	21.85	21.66
3	16QAM	1	0	22.16	22.13	21.90
3	16QAM	1	8	22.27	22.17	21.95
3	16QAM	1	14	22.14	22.09	21.89
3	16QAM	8	0	21.06	21.03	20.81
3	16QAM	8	4	21.08	21.06	20.86
3	16QAM	8	7	21.04	21.02	20.77
3	16QAM	15	0	20.93	20.95	20.73
3	64QAM	1	0	21.21	21.19	20.94
3	64QAM	1	8	21.16	21.07	20.84
3	64QAM	1	14	21.20	21.15	20.90
3	64QAM	8	0	20.08	20.03	19.83
3	64QAM	8	4	20.10	20.08	19.82
3	64QAM	8	7	20.03	20.03	19.81
3	64QAM	15	0	19.99	19.92	19.78

Channel				18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	22.71	22.76	22.56
1.4	QPSK	1	3	22.79	22.84	22.62
1.4	QPSK	1	5	22.69	22.75	22.59
1.4	QPSK	3	0	22.80	22.76	22.62
1.4	QPSK	3	1	22.82	22.79	22.66
1.4	QPSK	3	3	22.75	22.78	22.57
1.4	QPSK	6	0	21.76	21.79	21.59
1.4	16QAM	1	0	22.09	22.11	21.92
1.4	16QAM	1	3	22.28	22.17	21.94
1.4	16QAM	1	5	22.08	22.05	21.81
1.4	16QAM	3	0	21.95	21.86	21.69
1.4	16QAM	3	1	21.98	21.95	21.73
1.4	16QAM	3	3	21.87	21.87	21.66
1.4	16QAM	6	0	20.97	21.01	20.78
1.4	64QAM	1	0	21.08	21.10	20.78
1.4	64QAM	1	3	21.05	21.10	20.90
1.4	64QAM	1	5	20.98	21.03	20.89
1.4	64QAM	3	0	21.01	21.04	20.83
1.4	64QAM	3	1	21.14	21.04	20.87
1.4	64QAM	3	3	21.04	21.07	20.84
1.4	64QAM	6	0	19.91	19.88	19.72

LTE Band 4

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				20050	20175	20300
Frequency (MHz)				1720	1732.5	1745
20	QPSK	1	0	23.96	23.98	23.97
20	QPSK	1	49	23.84	23.82	23.89
20	QPSK	1	99	23.84	23.87	23.83
20	QPSK	50	0	22.87	22.97	22.95
20	QPSK	50	24	22.88	22.89	22.92
20	QPSK	50	50	22.82	22.91	22.92
20	QPSK	100	0	22.87	22.94	22.93
20	16QAM	1	0	22.94	22.96	23.00
20	16QAM	1	49	23.00	22.93	22.88
20	16QAM	1	99	22.83	22.99	22.84
20	16QAM	50	0	21.74	21.72	21.78
20	16QAM	50	24	21.67	21.73	21.76
20	16QAM	50	50	21.63	21.69	21.70
20	16QAM	100	0	21.65	21.73	21.75
20	64QAM	1	0	21.96	21.98	21.94
20	64QAM	1	49	21.81	21.82	21.85
20	64QAM	1	99	21.87	21.90	21.78
20	64QAM	50	0	20.74	20.77	20.86
20	64QAM	50	24	20.70	20.73	20.75
20	64QAM	50	50	20.72	20.73	20.72
20	64QAM	100	0	20.71	20.71	20.72

Channel				20025	20175	20325
Frequency (MHz)				1717.5	1732.5	1747.5
15	QPSK	1	0	23.94	23.96	23.96
15	QPSK	1	37	23.78	23.73	23.83
15	QPSK	1	74	23.81	23.88	23.89
15	QPSK	36	0	22.89	22.87	22.98
15	QPSK	36	20	22.85	22.93	22.95
15	QPSK	36	39	22.85	22.87	22.87
15	QPSK	75	0	22.83	22.89	22.94
15	16QAM	1	0	22.97	22.93	22.94
15	16QAM	1	37	22.76	22.89	22.97
15	16QAM	1	74	22.85	22.91	22.87
15	16QAM	36	0	21.71	21.67	21.76
15	16QAM	36	20	21.68	21.71	21.74
15	16QAM	36	39	21.66	21.68	21.67
15	16QAM	75	0	21.70	21.73	21.72
15	64QAM	1	0	21.97	21.95	21.99
15	64QAM	1	37	21.79	21.78	21.90
15	64QAM	1	74	21.84	21.96	21.81
15	64QAM	36	0	20.80	20.77	20.81
15	64QAM	36	20	20.77	20.76	20.80
15	64QAM	36	39	20.70	20.77	20.71
15	64QAM	75	0	20.72	20.73	20.78

Channel				20000	20175	20350
Frequency (MHz)				1715	1732.5	1750
10	QPSK	1	0	23.93	23.93	23.92
10	QPSK	1	25	23.90	23.97	23.92
10	QPSK	1	49	23.87	23.90	23.94
10	QPSK	25	0	22.88	22.98	22.99
10	QPSK	25	12	22.91	22.98	23.00
10	QPSK	25	25	22.92	22.94	22.96
10	QPSK	50	0	22.93	22.96	22.92
10	16QAM	1	0	22.99	22.93	22.96
10	16QAM	1	25	22.98	22.97	22.91
10	16QAM	1	49	22.90	22.98	22.83
10	16QAM	25	0	21.75	21.81	21.83
10	16QAM	25	12	21.76	21.76	21.80
10	16QAM	25	25	21.71	21.82	21.79
10	16QAM	50	0	21.77	21.75	21.78
10	64QAM	1	0	21.95	21.96	22.00
10	64QAM	1	25	21.94	21.87	21.92
10	64QAM	1	49	21.98	21.93	21.89
10	64QAM	25	0	20.76	20.81	20.83
10	64QAM	25	12	20.78	20.81	20.82
10	64QAM	25	25	20.75	20.81	20.81
10	64QAM	50	0	20.79	20.82	20.82

Channel				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	23.86	23.89	23.90
5	QPSK	1	12	23.82	23.80	23.81
5	QPSK	1	24	23.85	23.84	23.84
5	QPSK	12	0	22.82	22.85	22.88
5	QPSK	12	7	22.84	22.87	22.84
5	QPSK	12	13	22.78	22.87	22.86
5	QPSK	25	0	22.78	22.84	22.85
5	16QAM	1	0	22.93	22.87	22.92
5	16QAM	1	12	22.84	22.84	22.69
5	16QAM	1	24	22.80	22.84	22.80
5	16QAM	12	0	21.71	21.65	21.68
5	16QAM	12	7	21.61	21.67	21.66
5	16QAM	12	13	21.68	21.66	21.68
5	16QAM	25	0	21.63	21.62	21.67
5	64QAM	1	0	21.82	21.84	21.91
5	64QAM	1	12	21.85	21.81	21.79
5	64QAM	1	24	21.82	21.85	21.83
5	64QAM	12	0	20.74	20.73	20.72
5	64QAM	12	7	20.72	20.72	20.74
5	64QAM	12	13	20.69	20.72	20.71
5	64QAM	25	0	20.62	20.65	20.70

Channel				19965	20175	20385
Frequency (MHz)				1711.5	1732.5	1753.5
3	QPSK	1	0	23.76	23.77	23.87
3	QPSK	1	8	23.74	23.79	23.83
3	QPSK	1	14	23.73	23.76	23.82
3	QPSK	8	0	22.77	22.79	22.83
3	QPSK	8	4	22.83	22.89	22.83
3	QPSK	8	7	22.80	22.80	22.82
3	QPSK	15	0	22.80	22.81	22.86
3	16QAM	1	0	22.85	22.82	22.78
3	16QAM	1	8	22.79	22.91	22.88
3	16QAM	1	14	22.93	22.87	22.76
3	16QAM	8	0	21.70	21.70	21.64
3	16QAM	8	4	21.73	21.72	21.68
3	16QAM	8	7	21.64	21.72	21.64
3	16QAM	15	0	21.61	21.65	21.65
3	64QAM	1	0	21.82	21.77	21.85
3	64QAM	1	8	21.78	21.79	21.79
3	64QAM	1	14	21.73	21.86	21.81
3	64QAM	8	0	20.67	20.66	20.70
3	64QAM	8	4	20.69	20.71	20.74
3	64QAM	8	7	20.63	20.74	20.73
3	64QAM	15	0	20.63	20.63	20.64

Channel				19957	20175	20393
Frequency (MHz)				1710.7	1732.5	1754.3
1.4	QPSK	1	0	23.66	23.73	23.77
1.4	QPSK	1	3	23.79	23.79	23.83
1.4	QPSK	1	5	23.68	23.72	23.75
1.4	QPSK	3	0	23.75	23.79	23.81
1.4	QPSK	3	1	23.80	23.83	23.84
1.4	QPSK	3	3	23.74	23.79	23.79
1.4	QPSK	6	0	22.74	22.76	22.78
1.4	16QAM	1	0	22.82	22.73	22.67
1.4	16QAM	1	3	22.88	22.78	22.76
1.4	16QAM	1	5	22.85	22.81	22.76
1.4	16QAM	3	0	22.59	22.51	22.49
1.4	16QAM	3	1	22.61	22.61	22.58
1.4	16QAM	3	3	22.58	22.57	22.54
1.4	16QAM	6	0	21.62	21.67	21.66
1.4	64QAM	1	0	21.78	21.73	21.74
1.4	64QAM	1	3	21.80	21.87	21.71
1.4	64QAM	1	5	21.63	21.75	21.69
1.4	64QAM	3	0	21.66	21.72	21.70
1.4	64QAM	3	1	21.75	21.74	21.77
1.4	64QAM	3	3	21.70	21.65	21.69
1.4	64QAM	6	0	20.86	20.86	20.86

LTE Band 5

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				20450	20525	20600
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	23.26	23.32	23.17
10	QPSK	1	25	23.27	23.22	23.17
10	QPSK	1	49	23.24	23.12	23.07
10	QPSK	25	0	22.39	22.40	22.13
10	QPSK	25	12	22.39	22.30	22.26
10	QPSK	25	25	22.31	22.33	22.22
10	QPSK	50	0	22.38	22.31	22.13
10	16QAM	1	0	22.75	22.55	22.55
10	16QAM	1	25	22.65	22.49	22.42
10	16QAM	1	49	22.59	22.49	22.38
10	16QAM	25	0	21.50	21.47	21.19
10	16QAM	25	12	21.44	21.41	21.32
10	16QAM	25	25	21.40	21.37	21.28
10	16QAM	50	0	21.46	21.39	21.24
10	64QAM	1	0	21.66	21.55	21.40
10	64QAM	1	25	21.62	21.59	21.43
10	64QAM	1	49	21.55	21.41	21.31
10	64QAM	25	0	20.52	20.47	20.25
10	64QAM	25	12	20.47	20.46	20.39
10	64QAM	25	25	20.44	20.41	20.30
10	64QAM	50	0	20.49	20.39	20.27

Channel				20425	20525	20625
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	23.30	23.29	23.16
5	QPSK	1	12	23.26	23.19	23.10
5	QPSK	1	24	23.27	23.25	23.10
5	QPSK	12	0	22.38	22.31	22.21
5	QPSK	12	7	22.35	22.29	22.19
5	QPSK	12	13	22.32	22.31	22.17
5	QPSK	25	0	22.35	22.27	22.18
5	16QAM	1	0	22.70	22.57	22.51
5	16QAM	1	12	22.49	22.65	22.51
5	16QAM	1	24	22.70	22.65	22.33
5	16QAM	12	0	21.49	21.42	21.33
5	16QAM	12	7	21.45	21.41	21.29
5	16QAM	12	13	21.42	21.37	21.28
5	16QAM	25	0	21.42	21.38	21.32
5	64QAM	1	0	21.61	21.63	21.47
5	64QAM	1	12	21.64	21.48	21.35
5	64QAM	1	24	21.51	21.58	21.33
5	64QAM	12	0	20.55	20.49	20.38
5	64QAM	12	7	20.50	20.47	20.45
5	64QAM	12	13	20.51	20.47	20.34
5	64QAM	25	0	20.50	20.43	20.30

Channel				20415	20525	20635
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	23.26	23.20	23.09
3	QPSK	1	8	23.30	23.20	23.10
3	QPSK	1	14	23.23	23.23	23.03
3	QPSK	8	0	22.36	22.30	22.22
3	QPSK	8	4	22.36	22.28	22.18
3	QPSK	8	7	22.32	22.27	22.17
3	QPSK	15	0	22.34	22.26	22.18
3	16QAM	1	0	22.59	22.59	22.53
3	16QAM	1	8	22.64	22.57	22.50
3	16QAM	1	14	22.61	22.64	22.26
3	16QAM	8	0	21.48	21.45	21.33
3	16QAM	8	4	21.53	21.46	21.38
3	16QAM	8	7	21.53	21.46	21.29
3	16QAM	15	0	21.48	21.38	21.28
3	64QAM	1	0	21.60	21.47	21.45
3	64QAM	1	8	21.53	21.46	21.37
3	64QAM	1	14	21.49	21.57	21.32
3	64QAM	8	0	20.50	20.44	20.34
3	64QAM	8	4	20.55	20.48	20.37
3	64QAM	8	7	20.53	20.41	20.31
3	64QAM	15	0	20.45	20.40	20.31

Channel				20407	20525	20643
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	23.18	23.11	23.12
1.4	QPSK	1	3	23.27	23.18	23.04
1.4	QPSK	1	5	23.19	23.16	23.21
1.4	QPSK	3	0	23.28	23.22	23.08
1.4	QPSK	3	1	23.31	23.25	23.13
1.4	QPSK	3	3	23.31	23.18	23.08
1.4	QPSK	6	0	22.30	22.21	22.17
1.4	16QAM	1	0	22.58	22.44	22.39
1.4	16QAM	1	3	22.68	22.59	22.29
1.4	16QAM	1	5	22.46	22.54	22.28
1.4	16QAM	3	0	22.30	22.26	22.15
1.4	16QAM	3	1	22.40	22.28	22.18
1.4	16QAM	3	3	22.30	22.23	22.06
1.4	16QAM	6	0	21.46	21.40	21.25
1.4	64QAM	1	0	21.52	21.50	21.34
1.4	64QAM	1	3	21.57	21.41	21.36
1.4	64QAM	1	5	21.51	21.53	21.34
1.4	64QAM	3	0	21.55	21.42	21.34
1.4	64QAM	3	1	21.58	21.46	21.28
1.4	64QAM	3	3	21.46	21.53	21.34
1.4	64QAM	6	0	20.39	20.29	20.25

LTE Band 7

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				20850	21100	21350
Frequency (MHz)				2510	2535	2560
20	QPSK	1	0	22.86	23.04	22.98
20	QPSK	1	49	22.79	22.94	23.02
20	QPSK	1	99	22.84	22.98	22.97
20	QPSK	50	0	21.79	22.08	21.92
20	QPSK	50	24	21.95	22.02	21.97
20	QPSK	50	50	21.91	22.02	22.05
20	QPSK	100	0	21.91	21.98	21.95
20	16QAM	1	0	21.87	22.17	22.12
20	16QAM	1	49	22.17	22.28	22.34
20	16QAM	1	99	22.19	22.27	22.29
20	16QAM	50	0	20.86	21.08	20.98
20	16QAM	50	24	21.03	21.10	21.06
20	16QAM	50	50	21.01	21.07	21.14
20	16QAM	100	0	20.98	21.07	21.00
20	64QAM	1	0	20.75	21.02	21.00
20	64QAM	1	49	21.02	21.15	21.24
20	64QAM	1	99	21.15	21.19	21.18
20	64QAM	50	0	19.85	20.07	20.00
20	64QAM	50	24	20.02	20.09	20.06
20	64QAM	50	50	19.99	20.04	20.12
20	64QAM	100	0	20.00	20.05	20.00

Channel				20825	21100	21375
Frequency (MHz)				2507.5	2535	2562.5
15	QPSK	1	0	22.60	22.79	22.84
15	QPSK	1	37	22.77	22.96	23.00
15	QPSK	1	74	22.87	22.92	22.99
15	QPSK	36	0	21.80	21.95	21.90
15	QPSK	36	20	21.86	22.02	22.07
15	QPSK	36	39	21.93	21.98	22.00
15	QPSK	75	0	21.79	21.97	21.92
15	16QAM	1	0	21.85	22.14	22.10
15	16QAM	1	37	22.07	22.24	22.31
15	16QAM	1	74	22.24	22.22	22.27
15	16QAM	36	0	20.84	21.07	20.99
15	16QAM	36	20	20.92	21.08	21.13
15	16QAM	36	39	21.01	21.05	21.11
15	16QAM	75	0	20.86	21.08	21.02
15	64QAM	1	0	20.79	21.03	21.03
15	64QAM	1	37	20.99	21.16	21.25
15	64QAM	1	74	21.13	21.10	21.17
15	64QAM	36	0	19.83	20.07	20.00
15	64QAM	36	20	19.88	20.07	20.12
15	64QAM	36	39	20.02	20.05	20.11
15	64QAM	75	0	19.87	20.07	20.02

Channel				20800	21100	21400
Frequency (MHz)				2505	2535	2565
10	QPSK	1	0	22.66	22.75	22.90
10	QPSK	1	25	22.77	22.92	22.93
10	QPSK	1	49	22.72	22.90	22.94
10	QPSK	25	0	21.82	21.96	22.01
10	QPSK	25	12	21.85	21.99	22.02
10	QPSK	25	25	21.83	21.99	22.00
10	QPSK	50	0	21.83	21.99	22.00
10	16QAM	1	0	21.86	22.13	22.18
10	16QAM	1	25	22.06	22.23	22.28
10	16QAM	1	49	22.08	22.18	22.22
10	16QAM	25	0	20.86	21.03	21.04
10	16QAM	25	12	20.92	21.09	21.09
10	16QAM	25	25	20.91	21.04	21.05
10	16QAM	50	0	20.90	21.05	21.07
10	64QAM	1	0	20.76	20.99	21.06
10	64QAM	1	25	20.93	21.13	21.14
10	64QAM	1	49	20.95	21.08	21.12
10	64QAM	25	0	19.88	20.02	20.03
10	64QAM	25	12	19.92	20.10	20.10
10	64QAM	25	25	19.91	20.05	20.04
10	64QAM	50	0	19.88	20.04	20.06

Channel				20775	21100	21425
Frequency (MHz)				2502.5	2535	2567.5
5	QPSK	1	0	22.64	22.89	22.94
5	QPSK	1	12	22.68	22.96	22.99
5	QPSK	1	24	22.78	22.92	22.95
5	QPSK	12	0	21.72	21.98	21.96
5	QPSK	12	7	21.74	21.99	22.00
5	QPSK	12	13	21.85	21.99	21.98
5	QPSK	25	0	21.83	21.97	21.99
5	16QAM	1	0	21.89	22.21	22.22
5	16QAM	1	12	21.94	22.27	22.26
5	16QAM	1	24	22.04	22.24	22.25
5	16QAM	12	0	20.78	21.05	21.06
5	16QAM	12	7	20.83	21.11	21.10
5	16QAM	12	13	20.90	21.04	21.09
5	16QAM	25	0	20.88	21.07	21.06
5	64QAM	1	0	20.81	21.11	21.14
5	64QAM	1	12	20.87	21.17	21.18
5	64QAM	1	24	20.96	21.13	21.15
5	64QAM	12	0	19.72	20.03	20.05
5	64QAM	12	7	19.80	20.08	20.07
5	64QAM	12	13	19.91	20.03	20.08
5	64QAM	25	0	19.89	20.06	20.06

LTE Band 12

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				23060	23095	23130
Frequency (MHz)				704	707.5	711
10	QPSK	1	0	23.29	23.40	23.37
10	QPSK	1	25	23.29	23.29	23.37
10	QPSK	1	49	23.22	23.27	23.31
10	QPSK	25	0	22.40	22.41	22.34
10	QPSK	25	12	22.39	22.38	22.30
10	QPSK	25	25	22.33	22.26	22.32
10	QPSK	50	0	22.35	22.37	22.28
10	16QAM	1	0	22.54	22.47	22.64
10	16QAM	1	25	22.51	22.54	22.64
10	16QAM	1	49	22.49	22.61	22.60
10	16QAM	25	0	21.50	21.43	21.46
10	16QAM	25	12	21.44	21.47	21.39
10	16QAM	25	25	21.41	21.35	21.40
10	16QAM	50	0	21.46	21.39	21.39
10	64QAM	1	0	21.50	21.55	21.68
10	64QAM	1	25	21.51	21.49	21.60
10	64QAM	1	49	21.44	21.50	21.64
10	64QAM	25	0	20.52	20.49	20.41
10	64QAM	25	12	20.47	20.43	20.43
10	64QAM	25	25	20.45	20.35	20.38
10	64QAM	50	0	20.45	20.43	20.36

Channel				23035	23095	23155
Frequency (MHz)				701.5	707.5	713.5
5	QPSK	1	0	23.29	23.31	23.37
5	QPSK	1	12	23.23	23.29	23.26
5	QPSK	1	24	23.31	23.20	23.38
5	QPSK	12	0	22.26	22.35	22.36
5	QPSK	12	7	22.34	22.35	22.40
5	QPSK	12	13	22.35	22.25	22.32
5	QPSK	25	0	22.36	22.31	22.35
5	16QAM	1	0	22.46	22.73	22.63
5	16QAM	1	12	22.41	22.60	22.50
5	16QAM	1	24	22.57	22.49	22.70
5	16QAM	12	0	21.38	21.43	21.46
5	16QAM	12	7	21.38	21.39	21.45
5	16QAM	12	13	21.43	21.35	21.40
5	16QAM	25	0	21.45	21.41	21.43
5	64QAM	1	0	21.48	21.66	21.70
5	64QAM	1	12	21.49	21.54	21.51
5	64QAM	1	24	21.49	21.45	21.66
5	64QAM	12	0	20.40	20.47	20.51
5	64QAM	12	7	20.42	20.46	20.53
5	64QAM	12	13	20.46	20.40	20.42
5	64QAM	25	0	20.46	20.42	20.45

Channel				23025	23095	23165
Frequency (MHz)				700.5	707.5	714.5
3	QPSK	1	0	23.31	23.27	23.30
3	QPSK	1	8	23.19	23.28	23.37
3	QPSK	1	14	23.24	23.28	23.39
3	QPSK	8	0	22.27	22.32	22.35
3	QPSK	8	4	22.27	22.33	22.46
3	QPSK	8	7	22.23	22.30	22.41
3	QPSK	15	0	22.27	22.31	22.36
3	16QAM	1	0	22.41	22.71	22.49
3	16QAM	1	8	22.40	22.52	22.56
3	16QAM	1	14	22.49	22.43	22.62
3	16QAM	8	0	21.43	21.40	21.44
3	16QAM	8	4	21.42	21.46	21.58
3	16QAM	8	7	21.32	21.44	21.56
3	16QAM	15	0	21.33	21.42	21.41
3	64QAM	1	0	21.52	21.55	21.50
3	64QAM	1	8	21.43	21.53	21.62
3	64QAM	1	14	21.45	21.52	21.70
3	64QAM	8	0	20.44	20.45	20.49
3	64QAM	8	4	20.39	20.46	20.60
3	64QAM	8	7	20.37	20.43	20.54
3	64QAM	15	0	20.42	20.41	20.46

Channel				23017	23095	23173
Frequency (MHz)				699.7	707.5	715.3
1.4	QPSK	1	0	23.16	23.21	23.29
1.4	QPSK	1	3	23.18	23.33	23.37
1.4	QPSK	1	5	23.13	23.20	23.29
1.4	QPSK	3	0	23.20	23.27	23.38
1.4	QPSK	3	1	23.26	23.28	23.38
1.4	QPSK	3	3	23.17	23.27	23.37
1.4	QPSK	6	0	22.26	22.23	22.36
1.4	16QAM	1	0	22.34	22.57	22.57
1.4	16QAM	1	3	22.44	22.53	22.70
1.4	16QAM	1	5	22.38	22.51	22.59
1.4	16QAM	3	0	22.25	22.38	22.34
1.4	16QAM	3	1	22.32	22.37	22.40
1.4	16QAM	3	3	22.17	22.29	22.38
1.4	16QAM	6	0	21.31	21.42	21.50
1.4	64QAM	1	0	21.41	21.43	21.61
1.4	64QAM	1	3	21.45	21.53	21.65
1.4	64QAM	1	5	21.41	21.44	21.49
1.4	64QAM	3	0	21.40	21.42	21.58
1.4	64QAM	3	1	21.42	21.46	21.51
1.4	64QAM	3	3	21.41	21.39	21.51
1.4	64QAM	6	0	20.28	20.35	20.42

LTE Band 13

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				23230		
Frequency (MHz)				782		
10	QPSK	1	0		23.42	
10	QPSK	1	25		23.30	
10	QPSK	1	49		23.21	
10	QPSK	25	0		22.38	
10	QPSK	25	12		22.45	
10	QPSK	25	25		22.41	
10	QPSK	50	0		22.43	
10	16QAM	1	0		22.35	
10	16QAM	1	25		22.31	
10	16QAM	1	49		22.40	
10	16QAM	25	0		21.45	
10	16QAM	25	12		21.43	
10	16QAM	25	25		21.37	
10	16QAM	50	0		21.41	
10	64QAM	1	0		21.44	
10	64QAM	1	25		21.42	
10	64QAM	1	49		21.33	
10	64QAM	25	0		20.39	
10	64QAM	25	12		20.37	
10	64QAM	25	25		20.34	
10	64QAM	50	0		20.32	

Channel				23205	23230	23255
Frequency (MHz)				779.5	782	784.5
5	QPSK	1	0	23.37	23.38	23.30
5	QPSK	1	12	23.36	23.30	23.27
5	QPSK	1	24	23.29	23.32	23.15
5	QPSK	12	0	22.47	22.44	22.30
5	QPSK	12	7	22.45	22.48	22.29
5	QPSK	12	13	22.44	22.42	22.29
5	QPSK	25	0	22.45	22.42	22.29
5	16QAM	1	0	22.43	22.42	22.42
5	16QAM	1	12	22.45	22.47	22.37
5	16QAM	1	24	22.32	22.37	22.27
5	16QAM	12	0	21.36	21.32	21.23
5	16QAM	12	7	21.38	21.35	21.23
5	16QAM	12	13	21.33	21.29	21.16
5	16QAM	25	0	21.34	21.31	21.19
5	64QAM	1	0	21.38	21.47	21.29
5	64QAM	1	12	21.43	21.36	21.35
5	64QAM	1	24	21.44	21.41	21.25
5	64QAM	12	0	20.40	20.43	20.32
5	64QAM	12	7	20.41	20.36	20.29
5	64QAM	12	13	20.33	20.35	20.23
5	64QAM	25	0	20.33	20.31	20.18

LTE Band 17

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				23780	23790	23800
Frequency (MHz)				709	710	711
10	QPSK	1	0	23.24	23.35	23.31
10	QPSK	1	25	23.25	23.27	23.23
10	QPSK	1	49	23.22	23.24	23.21
10	QPSK	25	0	22.30	22.34	22.33
10	QPSK	25	12	22.32	22.32	22.29
10	QPSK	25	25	22.23	22.24	22.21
10	QPSK	50	0	22.31	22.33	22.26
10	16QAM	1	0	22.51	22.65	22.63
10	16QAM	1	25	22.54	22.55	22.48
10	16QAM	1	49	22.54	22.44	22.44
10	16QAM	25	0	21.42	21.41	21.41
10	16QAM	25	12	21.43	21.41	21.37
10	16QAM	25	25	21.31	21.36	21.27
10	16QAM	50	0	21.41	21.38	21.35
10	64QAM	1	0	21.50	21.48	21.52
10	64QAM	1	25	21.59	21.45	21.47
10	64QAM	1	49	21.43	21.51	21.41
10	64QAM	25	0	20.43	20.43	20.40
10	64QAM	25	12	20.43	20.41	20.43
10	64QAM	25	25	20.34	20.33	20.35
10	64QAM	50	0	20.39	20.40	20.35

Channel				23755	23790	23825
Frequency (MHz)				706.5	710	713.5
5	QPSK	1	0	23.24	23.34	23.29
5	QPSK	1	12	23.32	23.22	23.25
5	QPSK	1	24	23.21	23.19	23.24
5	QPSK	12	0	22.23	22.26	22.27
5	QPSK	12	7	22.32	22.29	22.36
5	QPSK	12	13	22.30	22.26	22.28
5	QPSK	25	0	22.35	22.28	22.24
5	16QAM	1	0	22.29	22.41	22.30
5	16QAM	1	12	22.50	22.34	22.40
5	16QAM	1	24	22.35	22.35	22.42
5	16QAM	12	0	21.13	21.17	21.16
5	16QAM	12	7	21.22	21.20	21.28
5	16QAM	12	13	21.14	21.15	21.21
5	16QAM	25	0	21.17	21.14	21.11
5	64QAM	1	0	21.38	21.37	21.33
5	64QAM	1	12	21.35	21.26	21.34
5	64QAM	1	24	21.27	21.27	21.31
5	64QAM	12	0	20.18	20.22	20.19
5	64QAM	12	7	20.30	20.22	20.35
5	64QAM	12	13	20.25	20.18	20.26
5	64QAM	25	0	20.21	20.17	20.13

LTE Band 25

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				26140	26340	26590
Frequency (MHz)				1860	1880	1905
20	QPSK	1	0	23.13	23.16	22.80
20	QPSK	1	49	22.85	22.86	22.71
20	QPSK	1	99	22.96	22.88	22.74
20	QPSK	50	0	21.96	21.98	21.81
20	QPSK	50	24	21.95	21.94	21.76
20	QPSK	50	50	21.89	21.90	21.71
20	QPSK	100	0	21.91	21.96	21.77
20	16QAM	1	0	22.43	22.49	22.18
20	16QAM	1	49	22.22	22.19	22.02
20	16QAM	1	99	22.28	22.24	21.99
20	16QAM	50	0	21.08	21.10	20.92
20	16QAM	50	24	21.04	21.06	20.88
20	16QAM	50	50	21.02	21.01	20.84
20	16QAM	100	0	21.02	21.07	20.82
20	64QAM	1	0	21.37	21.36	20.99
20	64QAM	1	49	21.10	21.17	20.95
20	64QAM	1	99	21.33	21.22	21.01
20	64QAM	50	0	20.11	20.13	19.90
20	64QAM	50	24	20.03	20.07	19.88
20	64QAM	50	50	20.04	20.06	19.88
20	64QAM	100	0	20.04	20.08	19.86

Channel				26115	26340	26615
Frequency (MHz)				1857.5	1880	1907.5
15	QPSK	1	0	22.92	23.00	22.82
15	QPSK	1	37	22.80	22.82	22.52
15	QPSK	1	74	22.85	22.78	22.59
15	QPSK	36	0	21.89	21.97	21.79
15	QPSK	36	20	21.90	21.94	21.76
15	QPSK	36	39	21.85	21.93	21.57
15	QPSK	75	0	21.92	21.98	21.75
15	16QAM	1	0	22.33	22.30	22.16
15	16QAM	1	37	22.15	22.10	21.86
15	16QAM	1	74	22.19	22.08	21.85
15	16QAM	36	0	21.03	21.08	20.90
15	16QAM	36	20	21.02	21.07	20.84
15	16QAM	36	39	20.98	21.03	20.69
15	16QAM	75	0	21.01	21.00	20.83
15	64QAM	1	0	21.23	21.26	21.05
15	64QAM	1	37	21.10	21.06	20.94
15	64QAM	1	74	21.12	21.00	21.03
15	64QAM	36	0	20.09	20.14	19.92
15	64QAM	36	20	20.11	20.09	19.84
15	64QAM	36	39	20.06	20.05	19.70
15	64QAM	75	0	20.04	20.04	19.88

Channel				26090	26340	26640
Frequency (MHz)				1855	1880	1910
10	QPSK	1	0	23.09	23.15	22.79
10	QPSK	1	25	22.83	22.86	22.74
10	QPSK	1	49	23.01	23.05	22.75
10	QPSK	25	0	21.94	21.92	21.63
10	QPSK	25	12	21.89	21.92	21.61
10	QPSK	25	25	21.87	21.90	21.61
10	QPSK	50	0	21.88	21.91	21.63
10	16QAM	1	0	22.33	22.39	21.91
10	16QAM	1	25	22.18	22.23	22.01
10	16QAM	1	49	22.25	22.23	21.98
10	16QAM	25	0	21.01	21.03	20.74
10	16QAM	25	12	21.01	21.03	20.68
10	16QAM	25	25	21.01	21.00	20.69
10	16QAM	50	0	20.98	21.03	20.70
10	64QAM	1	0	21.30	21.29	20.83
10	64QAM	1	25	21.12	21.17	20.98
10	64QAM	1	49	21.28	21.30	20.89
10	64QAM	25	0	20.10	20.02	19.71
10	64QAM	25	12	20.02	20.04	19.70
10	64QAM	25	25	19.97	20.04	19.66
10	64QAM	50	0	20.05	20.08	19.70

Channel				26065	26340	26665
Frequency (MHz)				1852.5	1880	1912.5
5	QPSK	1	0	22.93	22.90	22.60
5	QPSK	1	12	22.84	22.84	22.50
5	QPSK	1	24	22.88	22.86	22.59
5	QPSK	12	0	21.89	21.92	21.60
5	QPSK	12	7	21.89	21.91	21.65
5	QPSK	12	13	21.87	21.89	21.58
5	QPSK	25	0	21.86	21.88	21.60
5	16QAM	1	0	22.17	22.30	21.82
5	16QAM	1	12	22.26	22.07	21.93
5	16QAM	1	24	22.20	22.14	21.82
5	16QAM	12	0	20.99	21.03	20.66
5	16QAM	12	7	21.02	21.01	20.68
5	16QAM	12	13	21.00	21.00	20.62
5	16QAM	25	0	20.96	21.01	20.62
5	64QAM	1	0	21.22	21.13	20.80
5	64QAM	1	12	21.14	21.09	20.94
5	64QAM	1	24	21.15	21.13	20.91
5	64QAM	12	0	20.07	20.07	19.72
5	64QAM	12	7	20.05	20.08	19.75
5	64QAM	12	13	20.06	20.07	19.71
5	64QAM	25	0	20.03	20.02	19.66

Channel				26055	26340	26675
Frequency (MHz)				1851.5	1880	1913.5
3	QPSK	1	0	22.86	22.90	22.59
3	QPSK	1	8	22.82	22.83	22.57
3	QPSK	1	14	22.79	22.82	22.53
3	QPSK	8	0	21.84	21.85	21.59
3	QPSK	8	4	21.87	21.90	21.61
3	QPSK	8	7	21.85	21.88	21.54
3	QPSK	15	0	21.86	21.88	21.57
3	16QAM	1	0	22.24	22.17	21.80
3	16QAM	1	8	22.19	22.09	21.93
3	16QAM	1	14	22.03	22.06	21.76
3	16QAM	8	0	21.02	21.07	20.67
3	16QAM	8	4	21.04	21.07	20.69
3	16QAM	8	7	20.99	21.01	20.64
3	16QAM	15	0	20.96	20.99	20.69
3	64QAM	1	0	21.16	21.21	20.78
3	64QAM	1	8	21.08	21.07	20.73
3	64QAM	1	14	21.11	21.15	20.90
3	64QAM	8	0	20.01	20.08	19.71
3	64QAM	8	4	20.09	20.06	19.74
3	64QAM	8	7	19.98	20.07	19.66
3	64QAM	15	0	19.97	20.02	19.68

Channel				26047	26340	26683
Frequency (MHz)				1850.7	1880	1914.3
1.4	QPSK	1	0	22.77	22.80	22.44
1.4	QPSK	1	3	22.84	22.89	22.54
1.4	QPSK	1	5	22.76	22.79	22.47
1.4	QPSK	3	0	22.81	22.86	22.52
1.4	QPSK	3	1	22.87	22.88	22.57
1.4	QPSK	3	3	22.81	22.81	22.58
1.4	QPSK	6	0	21.83	21.82	21.56
1.4	16QAM	1	0	22.13	22.15	21.96
1.4	16QAM	1	3	22.16	22.18	21.71
1.4	16QAM	1	5	22.08	22.16	21.88
1.4	16QAM	3	0	21.87	21.86	21.51
1.4	16QAM	3	1	21.92	21.99	21.62
1.4	16QAM	3	3	21.86	21.86	21.53
1.4	16QAM	6	0	21.02	21.03	20.71
1.4	64QAM	1	0	21.10	21.11	20.70
1.4	64QAM	1	3	21.05	21.07	20.80
1.4	64QAM	1	5	20.97	21.07	20.70
1.4	64QAM	3	0	21.00	21.04	20.70
1.4	64QAM	3	1	21.09	21.08	20.69
1.4	64QAM	3	3	21.00	21.01	20.65
1.4	64QAM	6	0	19.91	19.88	19.63

LTE Band 26

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				26765	26865	26965
Frequency (MHz)				821.5	831.5	841.5
15	QPSK	1	0	23.44	23.45	23.32
15	QPSK	1	37	23.42	23.33	23.26
15	QPSK	1	74	23.26	23.22	23.19
15	QPSK	36	0	22.50	22.53	22.34
15	QPSK	36	20	22.50	22.40	22.32
15	QPSK	36	39	22.36	22.30	22.32
15	QPSK	75	0	22.40	22.43	22.28
15	16QAM	1	0	22.84	22.73	22.67
15	16QAM	1	37	22.79	22.61	22.69
15	16QAM	1	74	22.61	22.52	22.57
15	16QAM	36	0	21.60	21.51	21.43
15	16QAM	36	20	21.56	21.51	21.42
15	16QAM	36	39	21.50	21.39	21.47
15	16QAM	75	0	21.56	21.45	21.42
15	64QAM	1	0	21.80	21.73	21.56
15	64QAM	1	37	21.82	21.50	21.63
15	64QAM	1	74	21.51	21.65	21.50
15	64QAM	36	0	20.66	20.55	20.51
15	64QAM	36	20	20.66	20.58	20.49
15	64QAM	36	39	20.53	20.44	20.51
15	64QAM	75	0	20.55	20.50	20.43

Channel				26740	26865	26990
Frequency (MHz)				819	831.5	844
10	QPSK	1	0	23.41	23.33	23.31
10	QPSK	1	25	23.35	23.25	23.26
10	QPSK	1	49	23.25	23.22	23.16
10	QPSK	25	0	22.49	22.35	22.38
10	QPSK	25	12	22.43	22.34	22.35
10	QPSK	25	25	22.38	22.32	22.29
10	QPSK	50	0	22.42	22.33	22.36
10	16QAM	1	0	22.81	22.57	22.73
10	16QAM	1	25	22.73	22.73	22.59
10	16QAM	1	49	22.59	22.59	22.38
10	16QAM	25	0	21.56	21.49	21.47
10	16QAM	25	12	21.57	21.46	21.46
10	16QAM	25	25	21.45	21.43	21.42
10	16QAM	50	0	21.51	21.43	21.43
10	64QAM	1	0	21.79	21.64	21.65
10	64QAM	1	25	21.66	21.63	21.53
10	64QAM	1	49	21.62	21.58	21.47
10	64QAM	25	0	20.56	20.48	20.52
10	64QAM	25	12	20.57	20.50	20.50
10	64QAM	25	25	20.53	20.40	20.43
10	64QAM	50	0	20.57	20.44	20.45

Channel				26715	26865	27015
Frequency (MHz)				816.5	831.5	846.5
5	QPSK	1	0	23.43	23.30	23.24
5	QPSK	1	12	23.39	23.25	23.23
5	QPSK	1	24	23.37	23.26	23.13
5	QPSK	12	0	22.44	22.31	22.31
5	QPSK	12	7	22.46	22.32	22.35
5	QPSK	12	13	22.42	22.33	22.27
5	QPSK	25	0	22.44	22.31	22.30
5	16QAM	1	0	22.74	22.61	22.50
5	16QAM	1	12	22.79	22.65	22.61
5	16QAM	1	24	22.76	22.59	22.41
5	16QAM	12	0	21.58	21.45	21.42
5	16QAM	12	7	21.58	21.49	21.45
5	16QAM	12	13	21.57	21.45	21.36
5	16QAM	25	0	21.51	21.45	21.41
5	64QAM	1	0	21.73	21.56	21.54
5	64QAM	1	12	21.68	21.52	21.49
5	64QAM	1	24	21.65	21.57	21.37
5	64QAM	12	0	20.65	20.50	20.52
5	64QAM	12	7	20.67	20.54	20.52
5	64QAM	12	13	20.57	20.47	20.45
5	64QAM	25	0	20.56	20.44	20.42

Channel				26705	26865	27025
Frequency (MHz)				815.5	831.5	847.5
3	QPSK	1	0	23.41	23.29	23.20
3	QPSK	1	8	23.34	23.27	23.15
3	QPSK	1	14	23.34	23.22	23.13
3	QPSK	8	0	22.42	22.29	22.30
3	QPSK	8	4	22.42	22.32	22.32
3	QPSK	8	7	22.46	22.30	22.27
3	QPSK	15	0	22.42	22.27	22.28
3	16QAM	1	0	22.80	22.57	22.50
3	16QAM	1	8	22.71	22.58	22.57
3	16QAM	1	14	22.68	22.60	22.35
3	16QAM	8	0	21.59	21.48	21.43
3	16QAM	8	4	21.60	21.50	21.45
3	16QAM	8	7	21.59	21.45	21.41
3	16QAM	15	0	21.57	21.36	21.42
3	64QAM	1	0	21.71	21.65	21.47
3	64QAM	1	8	21.72	21.54	21.49
3	64QAM	1	14	21.71	21.52	21.42
3	64QAM	8	0	20.62	20.50	20.49
3	64QAM	8	4	20.63	20.51	20.47
3	64QAM	8	7	20.60	20.48	20.48
3	64QAM	15	0	20.54	20.44	20.43

Channel				26697	26865	27033
Frequency (MHz)				814.7	831.5	848.3
1.4	QPSK	1	0	23.32	23.19	23.08
1.4	QPSK	1	3	23.40	23.28	23.19
1.4	QPSK	1	5	23.29	23.22	23.11
1.4	QPSK	3	0	23.37	23.22	23.17
1.4	QPSK	3	1	23.41	23.23	23.20
1.4	QPSK	3	3	23.37	23.25	23.19
1.4	QPSK	6	0	22.35	22.21	22.20
1.4	16QAM	1	0	22.60	22.58	22.36
1.4	16QAM	1	3	22.80	22.59	22.41
1.4	16QAM	1	5	22.58	22.50	22.33
1.4	16QAM	3	0	22.48	22.29	22.21
1.4	16QAM	3	1	22.46	22.38	22.22
1.4	16QAM	3	3	22.48	22.29	22.15
1.4	16QAM	6	0	21.54	21.44	21.42
1.4	64QAM	1	0	21.64	21.54	21.47
1.4	64QAM	1	3	21.70	21.50	21.47
1.4	64QAM	1	5	21.58	21.49	21.28
1.4	64QAM	3	0	21.57	21.51	21.43
1.4	64QAM	3	1	21.63	21.51	21.41
1.4	64QAM	3	3	21.69	21.45	21.37
1.4	64QAM	6	0	20.41	20.34	20.36

LTE Band 38

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				37850	38000	38150
Frequency (MHz)				2580	2595	2610
20	QPSK	1	0	22.89	23.18	23.05
20	QPSK	1	49	22.98	23.11	23.15
20	QPSK	1	99	22.93	23.00	23.01
20	QPSK	50	0	22.08	22.18	22.13
20	QPSK	50	24	22.15	22.17	22.11
20	QPSK	50	50	22.06	22.10	22.10
20	QPSK	100	0	22.15	22.17	22.07
20	16QAM	1	0	22.03	22.18	22.20
20	16QAM	1	49	22.13	22.27	22.33
20	16QAM	1	99	22.09	22.14	22.19
20	16QAM	50	0	21.19	21.29	21.24
20	16QAM	50	24	21.25	21.32	21.22
20	16QAM	50	50	21.21	21.22	21.24
20	16QAM	100	0	21.23	21.24	21.18
20	64QAM	1	0	20.65	20.80	20.83
20	64QAM	1	49	20.75	20.88	20.93
20	64QAM	1	99	20.70	20.71	20.77
20	64QAM	50	0	20.16	20.29	20.22
20	64QAM	50	24	20.26	20.28	20.22
20	64QAM	50	50	20.19	20.22	20.27
20	64QAM	100	0	20.24	20.24	20.15

Channel				37825	38000	38175
Frequency (MHz)				2577.5	2595	2612.5
15	QPSK	1	0	22.84	23.02	23.07
15	QPSK	1	37	22.94	23.16	23.17
15	QPSK	1	74	22.91	23.03	23.05
15	QPSK	36	0	21.94	22.05	22.07
15	QPSK	36	20	22.05	22.14	22.20
15	QPSK	36	39	21.96	22.07	22.11
15	QPSK	75	0	21.96	22.02	22.05
15	16QAM	1	0	21.98	22.14	22.20
15	16QAM	1	37	22.04	22.30	22.31
15	16QAM	1	74	22.00	22.14	22.19
15	16QAM	36	0	21.01	21.19	21.15
15	16QAM	36	20	21.05	21.21	21.27
15	16QAM	36	39	21.07	21.17	21.22
15	16QAM	75	0	21.04	21.19	21.17
15	64QAM	1	0	20.59	20.78	20.81
15	64QAM	1	37	20.76	20.91	20.90
15	64QAM	1	74	20.68	20.77	20.74
15	64QAM	36	0	20.13	20.27	20.18
15	64QAM	36	20	20.20	20.29	20.31
15	64QAM	36	39	20.13	20.22	20.26
15	64QAM	75	0	20.16	20.25	20.14

Channel				37800	38000	38200
Frequency (MHz)				2575	2595	2615
10	QPSK	1	0	22.82	23.00	23.15
10	QPSK	1	25	22.90	22.98	23.14
10	QPSK	1	49	22.81	22.95	23.09
10	QPSK	25	0	21.95	22.01	22.14
10	QPSK	25	12	21.93	22.07	22.15
10	QPSK	25	25	21.91	21.97	22.12
10	QPSK	50	0	21.96	22.03	22.15
10	16QAM	1	0	21.95	22.15	22.27
10	16QAM	1	25	22.02	22.14	22.25
10	16QAM	1	49	21.96	22.05	22.15
10	16QAM	25	0	21.05	21.11	21.28
10	16QAM	25	12	21.08	21.14	21.30
10	16QAM	25	25	21.00	21.10	21.21
10	16QAM	50	0	21.05	21.14	21.29
10	64QAM	1	0	20.56	20.74	20.90
10	64QAM	1	25	20.68	20.72	20.90
10	64QAM	1	49	20.57	20.70	20.80
10	64QAM	25	0	20.12	20.19	20.34
10	64QAM	25	12	20.16	20.24	20.36
10	64QAM	25	25	20.09	20.15	20.32
10	64QAM	50	0	20.06	20.14	20.30

Channel				37775	38000	38225
Frequency (MHz)				2572.5	2595	2617.5
5	QPSK	1	0	22.78	22.97	23.11
5	QPSK	1	12	22.79	23.01	23.11
5	QPSK	1	24	22.78	22.92	23.02
5	QPSK	12	0	21.84	22.04	22.12
5	QPSK	12	7	21.87	22.07	22.22
5	QPSK	12	13	21.95	22.03	22.08
5	QPSK	25	0	21.92	22.00	22.12
5	16QAM	1	0	21.90	22.09	22.21
5	16QAM	1	12	21.94	22.16	22.22
5	16QAM	1	24	21.97	22.07	22.16
5	16QAM	12	0	20.89	21.07	21.21
5	16QAM	12	7	20.93	21.12	21.24
5	16QAM	12	13	21.00	21.04	21.20
5	16QAM	25	0	21.04	21.11	21.25
5	64QAM	1	0	20.58	20.72	20.85
5	64QAM	1	12	20.53	20.73	20.83
5	64QAM	1	24	20.60	20.71	20.87
5	64QAM	12	0	19.97	20.21	20.32
5	64QAM	12	7	20.01	20.19	20.30
5	64QAM	12	13	20.09	20.19	20.33
5	64QAM	25	0	20.12	20.21	20.29

LTE Band 41

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				39750	40620	41490
Frequency (MHz)				2506	2593	2680
20	QPSK	1	0	22.87	23.24	22.93
20	QPSK	1	49	23.00	23.02	22.85
20	QPSK	1	99	22.97	22.97	22.92
20	QPSK	50	0	22.05	22.19	21.99
20	QPSK	50	24	22.10	22.04	21.94
20	QPSK	50	50	22.10	21.95	21.81
20	QPSK	100	0	22.09	22.13	21.87
20	16QAM	1	0	21.96	22.18	22.01
20	16QAM	1	49	22.11	22.14	21.98
20	16QAM	1	99	22.08	22.11	21.79
20	16QAM	50	0	21.14	21.16	21.03
20	16QAM	50	24	21.22	21.13	21.05
20	16QAM	50	50	21.20	21.10	20.87
20	16QAM	100	0	21.15	21.11	20.94
20	64QAM	1	0	20.55	20.78	20.70
20	64QAM	1	49	20.73	20.74	20.57
20	64QAM	1	99	20.70	20.70	20.45
20	64QAM	50	0	20.15	20.13	20.05
20	64QAM	50	24	20.22	20.15	20.05
20	64QAM	50	50	20.17	20.09	19.89
20	64QAM	100	0	20.17	20.11	20.00

Channel				39725	40620	41515
Frequency (MHz)				2503.5	2593	2682.5
15	QPSK	1	0	22.93	23.00	22.78
15	QPSK	1	37	23.04	23.04	22.87
15	QPSK	1	74	23.04	23.01	22.69
15	QPSK	36	0	22.03	22.02	21.93
15	QPSK	36	20	22.05	22.00	21.95
15	QPSK	36	39	22.06	21.95	21.82
15	QPSK	75	0	22.06	21.96	21.90
15	16QAM	1	0	21.98	22.19	21.90
15	16QAM	1	37	22.11	22.18	21.99
15	16QAM	1	74	22.08	22.15	21.71
15	16QAM	36	0	21.05	21.10	20.90
15	16QAM	36	20	21.16	21.09	20.88
15	16QAM	36	39	21.13	21.06	20.84
15	16QAM	75	0	21.16	21.09	20.95
15	64QAM	1	0	20.61	20.78	20.54
15	64QAM	1	37	20.73	20.79	20.56
15	64QAM	1	74	20.72	20.77	20.36
15	64QAM	36	0	20.12	20.12	19.99
15	64QAM	36	20	20.17	20.14	19.99
15	64QAM	36	39	20.15	20.08	19.92
15	64QAM	75	0	20.16	20.12	19.97

Channel				39700	40620	41540
Frequency (MHz)				2501	2593	2685
10	QPSK	1	0	22.92	22.96	23.23
10	QPSK	1	25	22.99	22.97	22.78
10	QPSK	1	49	23.00	22.91	23.11
10	QPSK	25	0	22.01	21.97	22.02
10	QPSK	25	12	22.07	21.98	21.87
10	QPSK	25	25	22.06	21.93	21.95
10	QPSK	50	0	22.09	22.00	22.01
10	16QAM	1	0	22.03	22.11	22.32
10	16QAM	1	25	22.11	22.13	21.86
10	16QAM	1	49	22.08	22.01	22.27
10	16QAM	25	0	21.06	21.09	21.11
10	16QAM	25	12	21.15	21.12	20.96
10	16QAM	25	25	21.15	21.05	21.03
10	16QAM	50	0	21.14	21.09	21.11
10	64QAM	1	0	20.63	20.75	20.93
10	64QAM	1	25	20.72	20.69	20.51
10	64QAM	1	49	20.65	20.67	20.91
10	64QAM	25	0	20.11	20.13	20.17
10	64QAM	25	12	20.17	20.21	20.03
10	64QAM	25	25	20.19	20.12	20.08
10	64QAM	50	0	20.16	20.08	20.11

Channel				39675	40620	41565
Frequency (MHz)				2498.5	2593	2687.5
5	QPSK	1	0	22.93	22.93	22.75
5	QPSK	1	12	22.95	23.00	22.75
5	QPSK	1	24	22.91	22.89	22.69
5	QPSK	12	0	22.01	21.96	21.80
5	QPSK	12	7	22.02	22.02	21.80
5	QPSK	12	13	22.04	21.95	21.75
5	QPSK	25	0	22.01	21.95	21.76
5	16QAM	1	0	21.99	22.07	21.79
5	16QAM	1	12	22.05	22.12	21.79
5	16QAM	1	24	22.05	22.06	21.72
5	16QAM	12	0	21.03	21.03	20.76
5	16QAM	12	7	21.03	21.04	20.81
5	16QAM	12	13	21.02	21.05	20.77
5	16QAM	25	0	21.07	21.08	20.87
5	64QAM	1	0	20.58	20.74	20.53
5	64QAM	1	12	20.65	20.75	20.49
5	64QAM	1	24	20.67	20.69	20.44
5	64QAM	12	0	20.10	20.15	19.89
5	64QAM	12	7	20.18	20.18	19.95
5	64QAM	12	13	20.14	20.12	19.84
5	64QAM	25	0	20.11	20.12	19.88

ERP/EIRP

LTE Band 4 (GT - LC = 1.07 dB) QPSK									
Bandwidth	1.4M			3M			5M		
Channel	19957	20175	20393	19965	20175	20385	19975	20175	20375
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1710.7	1732.5	1754.3	1711.5	1732.5	1753.5	1712.5	1732.5	1752.5
Conducted Power (dBm)	23.80	23.83	23.84	23.76	23.77	23.87	23.86	23.89	23.90
Conducted Power (Watts)	0.2399	0.2415	0.2421	0.2377	0.2382	0.2438	0.2432	0.2449	0.2455
EIRP(dBm)	24.87	24.90	24.91	24.83	24.84	24.94	24.93	24.96	24.97
EIRP(Watts)	0.3069	0.3090	0.3097	0.3041	0.3048	0.3119	0.3112	0.3133	0.3141

LTE Band 4 (GT - LC = 1.07 dB) QPSK									
Bandwidth	10M			15M			20M		
Channel	20000	20175	20350	20025	20175	20325	20050	20175	20300
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1715	1732.5	1750	1717.5	1732.5	1747.5	1720	1732.5	1745
Conducted Power (dBm)	23.90	23.97	23.92	23.94	23.96	23.96	23.96	23.98	23.97
Conducted Power (Watts)	0.2455	0.2495	0.2466	0.2477	0.2489	0.2489	0.2489	0.2500	0.2495
EIRP(dBm)	24.97	25.04	24.99	25.01	25.03	25.03	25.03	25.05	25.04
EIRP(Watts)	0.3141	0.3192	0.3155	0.3170	0.3184	0.3184	0.3184	0.3199	0.3192

LTE Band 4 (GT - LC = 1.07 dB) 16QAM									
Bandwidth	1.4M			3M			5M		
Channel	19957	20175	20393	19965	20175	20385	19975	20175	20375
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1710.7	1732.5	1754.3	1711.5	1732.5	1753.5	1712.5	1732.5	1752.5
Conducted Power (dBm)	22.88	22.78	22.76	22.93	22.87	22.76	22.93	22.87	22.92
Conducted Power (Watts)	0.1941	0.1897	0.1888	0.1963	0.1936	0.1888	0.1963	0.1936	0.1959
EIRP(dBm)	23.95	23.85	23.83	24.00	23.94	23.83	24.00	23.94	23.99
EIRP(Watts)	0.2483	0.2427	0.2415	0.2512	0.2477	0.2415	0.2512	0.2477	0.2506

LTE Band 4 (GT - LC = 1.07 dB) 16QAM									
Bandwidth	10M			15M			20M		
Channel	20000	20175	20350	20025	20175	20325	20050	20175	20300
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1715	1732.5	1750	1717.5	1732.5	1747.5	1720	1732.5	1745
Conducted Power (dBm)	22.99	22.93	22.96	22.97	22.93	22.94	22.94	22.96	23.00
Conducted Power (Watts)	0.1991	0.1963	0.1977	0.1982	0.1963	0.1968	0.1968	0.1977	0.1995
EIRP(dBm)	24.06	24.00	24.03	24.04	24.00	24.01	24.01	24.03	24.07
EIRP(Watts)	0.2547	0.2512	0.2529	0.2535	0.2512	0.2518	0.2518	0.2529	0.2553

LTE Band 4 (GT - LC = 1.07 dB) 64QAM									
Bandwidth	1.4M			3M			5M		
Channel	19957	20175	20393	19965	20175	20385	19975	20175	20375
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1710.7	1732.5	1754.3	1711.5	1732.5	1753.5	1712.5	1732.5	1752.5
Conducted Power (dBm)	21.80	21.87	21.71	21.73	21.86	21.81	21.82	21.84	21.91
Conducted Power (Watts)	0.1514	0.1538	0.1483	0.1489	0.1535	0.1517	0.1521	0.1528	0.1552
EIRP(dBm)	22.87	22.94	22.78	22.80	22.93	22.88	22.89	22.91	22.98
EIRP(Watts)	0.1936	0.1968	0.1897	0.1905	0.1963	0.1941	0.1945	0.1954	0.1986

LTE Band 4 (GT - LC = 1.07 dB) 64QAM									
Bandwidth	10M			15M			20M		
Channel	20000	20175	20350	20025	20175	20325	20050	20175	20300
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1715	1732.5	1750	1717.5	1732.5	1747.5	1720	1732.5	1745
Conducted Power (dBm)	21.95	21.96	22.00	21.97	21.95	21.99	21.96	21.98	21.94
Conducted Power (Watts)	0.1567	0.1570	0.1585	0.1574	0.1567	0.1581	0.1570	0.1578	0.1563
EIRP(dBm)	23.02	23.03	23.07	23.04	23.02	23.06	23.03	23.05	23.01
EIRP(Watts)	0.2004	0.2009	0.2028	0.2014	0.2004	0.2023	0.2009	0.2018	0.2000

LTE Band 7 (GT - LC = 2.95 dB) QPSK			
Bandwidth	5M		
Channel	20775	21100	21425
	(Low)	(Mid)	(High)
Frequency (MHz)	2502.5	2535	2567.5
Conducted Power (dBm)	22.68	22.96	22.99
Conducted Power (Watts)	0.1854	0.1977	0.1991
EIRP(dBm)	25.63	25.91	25.94
EIRP(Watts)	0.3656	0.3899	0.3926

LTE Band 7 (GT - LC = 2.95 dB) QPSK									
Bandwidth	10M			15M			20M		
Channel	20800	21100	21400	20825	21100	21375	20850	21100	21350
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	2505	2535	2565	2507.5	2535	2562.5	2510	2535	2560
Conducted Power (dBm)	22.72	22.90	22.94	22.77	22.96	23.00	22.86	23.04	22.98
Conducted Power (Watts)	0.1871	0.1950	0.1968	0.1892	0.1977	0.1995	0.1932	0.2014	0.1986
EIRP(dBm)	25.67	25.85	25.89	25.72	25.91	25.95	25.81	25.99	25.93
EIRP(Watts)	0.3690	0.3846	0.3882	0.3733	0.3899	0.3936	0.3811	0.3972	0.3917

LTE Band 7 (GT - LC = 2.95 dB) 16QAM			
Bandwidth	5M		
Channel	20775	21100	21425
	(Low)	(Mid)	(High)
Frequency (MHz)	2502.5	2535	2567.5
Conducted Power (dBm)	21.94	22.27	22.26
Conducted Power (Watts)	0.1563	0.1687	0.1683
EIRP(dBm)	24.89	25.22	25.21
EIRP(Watts)	0.3083	0.3327	0.3319

LTE Band 7 (GT - LC = 2.95 dB) 16QAM									
Bandwidth	10M			15M			20M		
Channel	20800	21100	21400	20825	21100	21375	20850	21100	21350
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	2505	2535	2565	2507.5	2535	2562.5	2510	2535	2560
Conducted Power (dBm)	22.06	22.23	22.28	22.07	22.24	22.31	22.17	22.28	22.34
Conducted Power (Watts)	0.1607	0.1671	0.1690	0.1611	0.1675	0.1702	0.1648	0.1690	0.1714
EIRP(dBm)	25.01	25.18	25.23	25.02	25.19	25.26	25.12	25.23	25.29
EIRP(Watts)	0.3170	0.3296	0.3334	0.3177	0.3304	0.3357	0.3251	0.3334	0.3381

LTE Band 7 (GT - LC = 2.95 dB) 64QAM			
Bandwidth	5M		
Channel	20775	21100	21425
	(Low)	(Mid)	(High)
Frequency (MHz)	2502.5	2535	2567.5
Conducted Power (dBm)	20.87	21.17	21.18
Conducted Power (Watts)	0.1222	0.1309	0.1312
EIRP(dBm)	23.82	24.12	24.13
EIRP(Watts)	0.2410	0.2582	0.2588

LTE Band 7 (GT - LC = 2.95 dB) 64QAM									
Bandwidth	10M			15M			20M		
Channel	20800	21100	21400	20825	21100	21375	20850	21100	21350
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	2505	2535	2565	2507.5	2535	2562.5	2510	2535	2560
Conducted Power (dBm)	20.93	21.13	21.14	20.99	21.16	21.25	21.02	21.15	21.24
Conducted Power (Watts)	0.1239	0.1297	0.1300	0.1256	0.1306	0.1334	0.1265	0.1303	0.1330
EIRP(dBm)	23.88	24.08	24.09	23.94	24.11	24.20	23.97	24.10	24.19
EIRP(Watts)	0.2443	0.2559	0.2564	0.2477	0.2576	0.2630	0.2495	0.2570	0.2624

LTE Band 12 (GT - LC = 1.11 dB) QPSK									
Bandwidth	1.4M			3M			5M		
Channel	23017	23095	23173	23025	23095	23165	23035	23095	23155
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	699.7	707.5	715.3	700.5	707.5	714.5	701.5	707.5	713.5
Conducted Power (dBm)	23.26	23.28	23.38	23.24	23.28	23.39	23.31	23.20	23.38
Conducted Power (Watts)	0.2118	0.2128	0.2178	0.2109	0.2128	0.2183	0.2143	0.2089	0.2178
ERP(dBm)	22.22	22.24	22.34	22.20	22.24	22.35	22.27	22.16	22.34
ERP(Watts)	0.1667	0.1675	0.1714	0.1660	0.1675	0.1718	0.1687	0.1644	0.1714

LTE Band 12 (GT - LC = 1.11 dB) QPSK			
Bandwidth	10M		
Channel	23060	23095	23130
	(Low)	(Mid)	(High)
Frequency (MHz)	704	707.5	711
Conducted Power (dBm)	23.29	23.40	23.37
Conducted Power (Watts)	0.2133	0.2188	0.2173
ERP(dBm)	22.25	22.36	22.33
ERP(Watts)	0.1679	0.1722	0.1710

LTE Band 12 (GT - LC = 1.11 dB) 16QAM									
Bandwidth	1.4M			3M			5M		
Channel	23017	23095	23173	23025	23095	23165	23035	23095	23155
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	699.7	707.5	715.3	700.5	707.5	714.5	701.5	707.5	713.5
Conducted Power (dBm)	22.44	22.53	22.70	22.41	22.71	22.49	22.46	22.73	22.63
Conducted Power (Watts)	0.1754	0.1791	0.1862	0.1742	0.1866	0.1774	0.1762	0.1875	0.1832
ERP(dBm)	21.40	21.49	21.66	21.37	21.67	21.45	21.42	21.69	21.59
ERP(Watts)	0.1380	0.1409	0.1466	0.1371	0.1469	0.1396	0.1387	0.1476	0.1442

LTE Band 12 (GT - LC = 1.11 dB) 16QAM			
Bandwidth	10M		
Channel	23060	23095	23130
	(Low)	(Mid)	(High)
Frequency (MHz)	704	707.5	711
Conducted Power (dBm)	22.51	22.54	22.64
Conducted Power (Watts)	0.1782	0.1795	0.1837
ERP(dBm)	21.47	21.50	21.60
ERP(Watts)	0.1403	0.1413	0.1445

LTE Band 12 (GT - LC = 1.11 dB) 64QAM									
Bandwidth	1.4M			3M			5M		
Channel	23017	23095	23173	23025	23095	23165	23035	23095	23155
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	699.7	707.5	715.3	700.5	707.5	714.5	701.5	707.5	713.5
Conducted Power (dBm)	21.45	21.53	21.65	21.45	21.52	21.70	21.48	21.66	21.70
Conducted Power (Watts)	0.1396	0.1422	0.1462	0.1396	0.1419	0.1479	0.1406	0.1466	0.1479
ERP(dBm)	20.41	20.49	20.61	20.41	20.48	20.66	20.44	20.62	20.66
ERP(Watts)	0.1099	0.1119	0.1151	0.1099	0.1117	0.1164	0.1107	0.1153	0.1164

LTE Band 12 (GT - LC = 1.11 dB) 64QAM			
Bandwidth	10M		
Channel	23060	23095	23130
	(Low)	(Mid)	(High)
Frequency (MHz)	704	707.5	711
Conducted Power (dBm)	21.50	21.55	21.68
Conducted Power (Watts)	0.1413	0.1429	0.1472
ERP(dBm)	20.46	20.51	20.64
ERP(Watts)	0.1112	0.1125	0.1159

LTE Band 13 (GT - LC = 0.95 dB) QPSK						
Bandwidth	5M			10M		
Channel	23205	23230	23255	23230		
	(Low)	(Mid)	(High)	-	(Mid)	-
Frequency (MHz)	779.5	782	784.5	-	782	-
Conducted Power (dBm)	23.37	23.38	23.30		23.42	-
Conducted Power (Watts)	0.2173	0.2178	0.2138		0.2198	-
ERP(dBm)	22.17	22.18	22.10		22.22	-
ERP(Watts)	0.1648	0.1652	0.1622		0.1667	-

LTE Band 13 (GT - LC = 0.95 dB) 16QAM						
Bandwidth	5M			10M		
Channel	23205	23230	23255	23230		
	(Low)	(Mid)	(High)	-	(Mid)	-
Frequency (MHz)	779.5	782	784.5	-	782	-
Conducted Power (dBm)	22.45	22.47	22.37		22.40	-
Conducted Power (Watts)	0.1758	0.1766	0.1726		0.1738	-
ERP(dBm)	21.25	21.27	21.17		21.20	-
ERP(Watts)	0.1334	0.1340	0.1309		0.1318	-

LTE Band 13 (GT - LC = 0.95 dB) 64QAM						
Bandwidth	5M			10M		
Channel	23205	23230	23255	23230		
	(Low)	(Mid)	(High)	-	(Mid)	-
Frequency (MHz)	779.5	782	784.5	-	782	-
Conducted Power (dBm)	21.38	21.47	21.29		21.44	-
Conducted Power (Watts)	0.1374	0.1403	0.1346		0.1393	-
ERP(dBm)	20.18	20.27	20.09		20.24	-
ERP(Watts)	0.1042	0.1064	0.1021		0.1057	-

LTE Band 25 (GT - LC = 0.72 dB) QPSK									
Bandwidth	1.4M			3M			5M		
Channel	26407	26340	26683	26055	26340	26675	26065	26340	26665
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1850.7	1880	1914.3	1851.5	1880	1913.5	1852.5	1880	1912.5
Conducted Power (dBm)	22.84	22.89	22.54	22.86	22.90	22.59	22.93	22.90	22.60
Conducted Power (Watts)	0.1923	0.1945	0.1795	0.1932	0.1950	0.1816	0.1963	0.1950	0.1820
EIRP(dBm)	23.56	23.61	23.26	23.58	23.62	23.31	23.65	23.62	23.32
EIRP(Watts)	0.2270	0.2296	0.2118	0.2280	0.2301	0.2143	0.2317	0.2301	0.2148

LTE Band 25 (GT - LC = 0.72 dB) QPSK									
Bandwidth	10M			15M			20M		
Channel	26090	26340	26640	26115	26340	26615	26140	26340	26590
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1855	1880	1910	1857.5	1880	1907.5	1860	1880	1905
Conducted Power (dBm)	23.09	23.15	22.79	22.92	23.00	22.82	23.13	23.16	22.80
Conducted Power (Watts)	0.2037	0.2065	0.1901	0.1959	0.1995	0.1914	0.2056	0.2070	0.1905
EIRP(dBm)	23.81	23.87	23.51	23.64	23.72	23.54	23.85	23.88	23.52
EIRP(Watts)	0.2404	0.2438	0.2244	0.2312	0.2355	0.2259	0.2427	0.2443	0.2249

LTE Band 25 (GT - LC = 0.72 dB) 16QAM									
Bandwidth	1.4M			3M			5M		
Channel	26407	26340	26683	26055	26340	26675	26065	26340	26665
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1850.7	1880	1914.3	1851.5	1880	1913.5	1852.5	1880	1912.5
Conducted Power (dBm)	22.16	22.18	21.71	22.24	22.17	21.80	22.17	22.30	21.82
Conducted Power (Watts)	0.1644	0.1652	0.1483	0.1675	0.1648	0.1514	0.1648	0.1698	0.1521
EIRP(dBm)	22.88	22.90	22.43	22.96	22.89	22.52	22.89	23.02	22.54
EIRP(Watts)	0.1941	0.1950	0.1750	0.1977	0.1945	0.1786	0.1945	0.2004	0.1795

LTE Band 25 (GT - LC = 0.72 dB) 16QAM									
Bandwidth	10M			15M			20M		
Channel	26090	26340	26640	26115	26340	26615	26140	26340	26590
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1855	1880	1910	1857.5	1880	1907.5	1860	1880	1905
Conducted Power (dBm)	22.33	22.39	21.91	22.33	22.30	22.16	22.43	22.49	22.18
Conducted Power (Watts)	0.1710	0.1734	0.1552	0.1710	0.1698	0.1644	0.1750	0.1774	0.1652
EIRP(dBm)	23.05	23.11	22.63	23.05	23.02	22.88	23.15	23.21	22.90
EIRP(Watts)	0.2018	0.2046	0.1832	0.2018	0.2004	0.1941	0.2065	0.2094	0.1950

LTE Band 25 (GT - LC = 0.72 dB) 64QAM									
Bandwidth	1.4M			3M			5M		
Channel	26407	26340	26683	26055	26340	26675	26065	26340	26665
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1850.7	1880	1914.3	1851.5	1880	1913.5	1852.5	1880	1912.5
Conducted Power (dBm)	21.10	21.11	20.70	21.16	21.21	20.78	21.22	21.13	20.80
Conducted Power (Watts)	0.1288	0.1291	0.1175	0.1306	0.1321	0.1197	0.1324	0.1297	0.1202
EIRP(dBm)	21.82	21.83	21.42	21.88	21.93	21.50	21.94	21.85	21.52
EIRP(Watts)	0.1521	0.1524	0.1387	0.1542	0.1560	0.1413	0.1563	0.1531	0.1419

LTE Band 25 (GT - LC = 0.72 dB) 64QAM									
Bandwidth	10M			15M			20M		
Channel	26090	26340	26640	26115	26340	26615	26140	26340	26590
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1855	1880	1910	1857.5	1880	1907.5	1860	1880	1905
Conducted Power (dBm)	21.30	21.29	20.83	21.23	21.26	21.05	21.37	21.36	20.99
Conducted Power (Watts)	0.1349	0.1346	0.1211	0.1327	0.1337	0.1274	0.1371	0.1368	0.1256
EIRP(dBm)	22.02	22.01	21.55	21.95	21.98	21.77	22.09	22.08	21.71
EIRP(Watts)	0.1592	0.1589	0.1429	0.1567	0.1578	0.1503	0.1618	0.1614	0.1483

LTE Band 26 (GT - LC = -0.16 dB) QPSK									
Bandwidth	1.4M			3M			5M		
Channel	26797	26915	27033	26805	26915	27025	26815	26915	27015
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	824.7	836.5	848.3	825.5	836.5	847.5	826.5	836.5	846.5
Conducted Power (dBm)	23.41	23.23	23.20	23.41	23.29	23.20	23.43	23.30	23.24
Conducted Power (Watts)	0.2193	0.2104	0.2089	0.2193	0.2133	0.2089	0.2203	0.2138	0.2109
ERP(dBm)	21.10	20.92	20.89	21.10	20.98	20.89	21.12	20.99	20.93
ERP(Watts)	0.1288	0.1236	0.1227	0.1288	0.1253	0.1227	0.1294	0.1256	0.1239

LTE Band 26 (GT - LC = -0.16 dB) QPSK							
Bandwidth	10M			15M			15M
Channel	26840	26915	26990	26865	26915	26965	26765
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)
Frequency (MHz)	829	836.5	844	831.5	836.5	841.5	821.5
Conducted Power (dBm)	23.41	23.33	23.31	23.44	23.45	23.32	23.44
Conducted Power (Watts)	0.2193	0.2153	0.2143	0.2208	0.2213	0.2148	0.2208
ERP(dBm)	21.10	21.02	21.00	21.13	21.14	21.01	21.13
ERP(Watts)	0.1288	0.1265	0.1259	0.1297	0.1300	0.1262	0.1297

LTE Band 26 (GT - LC = -0.16 dB) 16QAM									
Bandwidth	1.4M			3M			5M		
Channel	26797	26915	27033	26805	26915	27025	26815	26915	27015
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	824.7	836.5	848.3	825.5	836.5	847.5	826.5	836.5	846.5
Conducted Power (dBm)	22.80	22.59	22.41	22.80	22.57	22.50	22.79	22.65	22.61
Conducted Power (Watts)	0.1905	0.1816	0.1742	0.1905	0.1807	0.1778	0.1901	0.1841	0.1824
ERP(dBm)	20.49	20.28	20.10	20.49	20.26	20.19	20.48	20.34	20.30
ERP(Watts)	0.1119	0.1067	0.1023	0.1119	0.1062	0.1045	0.1117	0.1081	0.1072

LTE Band 26 (GT - LC = -0.16 dB) 16QAM							
Bandwidth	10M			15M			15M
Channel	26840	26915	26990	26865	26915	26965	26765
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)
Frequency (MHz)	829	836.5	844	831.5	836.5	841.5	821.5
Conducted Power (dBm)	22.81	22.57	22.73	22.84	22.73	22.67	22.84
Conducted Power (Watts)	0.1910	0.1807	0.1875	0.1923	0.1875	0.1849	0.1923
ERP(dBm)	20.50	20.26	20.42	20.53	20.42	20.36	20.53
ERP(Watts)	0.1122	0.1062	0.1102	0.1130	0.1102	0.1086	0.1130

LTE Band 26 (GT - LC = -0.16 dB) 64QAM									
Bandwidth	1.4M			3M			5M		
Channel	26797	26915	27033	26805	26915	27025	26815	26915	27015
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	824.7	836.5	848.3	825.5	836.5	847.5	826.5	836.5	846.5
Conducted Power (dBm)	21.70	21.50	21.47	21.72	21.54	21.49	21.73	21.56	21.54
Conducted Power (Watts)	0.1479	0.1413	0.1403	0.1486	0.1426	0.1409	0.1489	0.1432	0.1426
ERP(dBm)	19.39	19.19	19.16	19.41	19.23	19.18	19.42	19.25	19.23
ERP(Watts)	0.0869	0.0830	0.0824	0.0873	0.0838	0.0828	0.0875	0.0841	0.0838

LTE Band 26 (GT - LC = -0.16 dB) 64QAM							
Bandwidth	10M			15M			15M
Channel	26840	26915	26990	26865	26915	26965	26765
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)
Frequency (MHz)	829	836.5	844	831.5	836.5	841.5	821.5
Conducted Power (dBm)	21.79	21.64	21.65	21.82	21.50	21.63	21.82
Conducted Power (Watts)	0.1510	0.1459	0.1462	0.1521	0.1413	0.1455	0.1521
ERP(dBm)	19.48	19.33	19.34	19.51	19.19	19.32	19.51
ERP(Watts)	0.0887	0.0857	0.0859	0.0893	0.0830	0.0855	0.0893

LTE Band 41 (G_T - L_C = 3.05dB) QPSK									
Bandwidth	5M			10M			15M		
Channel	39675	40620	41565	39700	40620	41540	39725	40620	41515
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	2498.5	2593	2687.5	2501	2593	2685	2503.5	2593	2682.5
Conducted Power (dBm)	22.95	23.00	22.75	22.92	22.96	23.23	23.04	23.04	22.87
Conducted Power (Watts)	0.1972	0.1995	0.1884	0.1959	0.1977	0.2104	0.2014	0.2014	0.1936
EIRP(dBm)	26.00	26.05	25.80	25.97	26.01	26.28	26.09	26.09	25.92
EIRP(Watts)	0.3981	0.4027	0.3802	0.3954	0.3990	0.4246	0.4064	0.4064	0.3908

LTE Band 41 (G_T - L_C = 3.05dB) QPSK			
Bandwidth	20M		
Channel	39750	40620	41490
	(Low)	(Mid)	(High)
Frequency (MHz)	2506	2593	2680
Conducted Power (dBm)	22.87	23.24	22.93
Conducted Power (Watts)	0.1936	0.2109	0.1963
EIRP(dBm)	25.92	26.29	25.98
EIRP(Watts)	0.3908	0.4256	0.3963

LTE Band 41 (G_T - L_C = 3.05dB) 16QAM									
Bandwidth	5M			10M			15M		
Channel	39675	40620	41565	39700	40620	41540	39725	40620	41515
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	2498.5	2593	2687.5	2501	2593	2685	2503.5	2593	2682.5
Conducted Power (dBm)	22.05	22.12	21.79	22.03	22.11	22.32	21.98	22.19	21.90
Conducted Power (Watts)	0.1603	0.1629	0.1510	0.1596	0.1626	0.1706	0.1578	0.1656	0.1549
EIRP(dBm)	25.10	25.17	24.84	25.08	25.16	25.37	25.03	25.24	24.95
EIRP(Watts)	0.3236	0.3289	0.3048	0.3221	0.3281	0.3443	0.3184	0.3342	0.3126

LTE Band 41 (G_T - L_C = 3.05dB) 16QAM			
Bandwidth	20M		
Channel	39750	40620	41490
	(Low)	(Mid)	(High)
Frequency (MHz)	2506	2593	2680
Conducted Power (dBm)	21.96	22.18	22.01
Conducted Power (Watts)	0.1570	0.1652	0.1589
EIRP(dBm)	25.01	25.23	25.06
EIRP(Watts)	0.3170	0.3334	0.3206

LTE Band 41 (G_T - L_C = 3.05dB) 64QAM									
Bandwidth	5M			10M			15M		
Channel	39675	40620	41565	39700	40620	41540	39725	40620	41515
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	2498.5	2593	2687.5	2501	2593	2685	2503.5	2593	2682.5
Conducted Power (dBm)	20.65	20.75	20.49	20.63	20.75	20.93	20.73	20.79	20.56
Conducted Power (Watts)	0.1161	0.1189	0.1119	0.1156	0.1189	0.1239	0.1183	0.1199	0.1138
EIRP(dBm)	23.70	23.80	23.54	23.68	23.80	23.98	23.78	23.84	23.61
EIRP(Watts)	0.2344	0.2399	0.2259	0.2333	0.2399	0.2500	0.2388	0.2421	0.2296

LTE Band 41 (G_T - L_C = 3.05dB) 64QAM			
Bandwidth	20M		
Channel	39750	40620	41490
	(Low)	(Mid)	(High)
Frequency (MHz)	2506	2593	2680
Conducted Power (dBm)	20.55	20.78	20.70
Conducted Power (Watts)	0.1135	0.1197	0.1175
EIRP(dBm)	23.60	23.83	23.75
EIRP(Watts)	0.2291	0.2415	0.2371

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

LTE Band 4 / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3423	-49.50	-13	-36.50	-60.24	2.604	13.34	H
	5133	-41.47	-13	-28.47	-51.98	3.011	13.52	H
	6840	-50.98	-13	-37.98	-61.18	3.271	13.47	H
	8556	-47.05	-13	-34.05	-54.02	5.527	12.5	H
	3423	-46.28	-13	-33.28	-57.02	2.604	13.34	V
	5133	-40.06	-13	-27.06	-50.57	3.011	13.52	V
	6840	-49.69	-13	-36.69	-59.89	3.271	13.47	V
	8556	-45.45	-13	-32.45	-52.42	5.527	12.50	V
Middle	3447	-47.04	-13	-34.04	-57.78	2.604	13.34	H
	5172	-44.54	-13	-31.54	-55.05	3.011	13.52	H
	6900	-50.96	-13	-37.96	-61.16	3.271	13.47	H
	3447	-48.33	-13	-35.33	-59.07	2.604	13.34	V
	5172	-38.46	-13	-25.46	-48.97	3.011	13.52	V
	6900	-50.11	-13	-37.11	-60.31	3.271	13.47	V
Highest	3471	-46.53	-13	-33.53	-57.27	2.604	13.34	H
	5208	-44.92	-13	-31.92	-55.43	3.011	13.52	H
	6948	-50.76	-13	-37.76	-60.96	3.271	13.47	H
	3471	-48.61	-13	-35.61	-59.35	2.604	13.34	V
	5208	-41.06	-13	-28.06	-51.57	3.011	13.52	V
	6948	-50.63	-13	-37.63	-60.83	3.271	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 7 / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5004	-48.93	-25	-23.93	-59.14	3.03	13.24	H
	6252	-56.38	-25	-31.38	-65.83	3.56	13.01	H
	7504	-45.43	-25	-20.43	-54.95	3.92	13.44	H
	8750	-44.54	-25	-19.54	-54.46	4.44	14.36	H
	10000	-44.22	-25	-19.22	-54.59	4.77	15.14	H
	11250	-48.85	-25	-23.85	-59.06	3.03	13.24	H
	12510	-44.64	-25	-19.64	-54.09	3.56	13.01	H
	13760	-53.95	-25	-28.95	-63.47	3.92	13.44	H
	15010	-47.18	-25	-22.18	-57.10	4.44	14.36	H
	5004	-44.61	-25	-19.61	-54.82	3.03	13.24	V
	6252	-45.57	-25	-20.57	-55.02	3.56	13.01	V
	7504	-42.38	-25	-17.38	-51.90	3.92	13.44	V
	8750	-43.24	-25	-18.24	-53.16	4.44	14.36	V
	10000	-41.42	-25	-16.42	-51.79	4.77	15.14	V
	11250	-43.15	-25	-18.15	-53.36	3.03	13.24	V
	12510	-34.81	-25	-9.81	-44.26	3.56	13.01	V
	13760	-51.93	-25	-26.93	-61.45	3.92	13.44	V
	15010	-49.45	-25	-24.45	-59.37	4.44	14.36	V
Middle	5052	-45.27	-25	-20.27	-55.48	3.03	13.24	H
	6316	-51.82	-25	-26.82	-61.27	3.56	13.01	H
	7580	-35.75	-25	-10.75	-45.27	3.92	13.44	H
	8840	-44.74	-25	-19.74	-54.66	4.44	14.36	H
	10100	-42.81	-25	-17.81	-53.18	4.77	15.14	H
	11370	-50.19	-25	-25.19	-60.40	3.03	13.24	H
	12630	-47.24	-25	-22.24	-56.69	3.56	13.01	H
	13890	-51.16	-25	-26.16	-60.68	3.92	13.44	H
	15160	-50.39	-25	-25.39	-60.31	4.44	14.36	H
	5052	-41.91	-25	-16.91	-52.12	3.03	13.24	V
	6316	-47.29	-25	-22.29	-56.74	3.56	13.01	V
	7580	-29.90	-25	-4.90	-39.42	3.92	13.44	V
	8840	-42.70	-25	-17.70	-52.62	4.44	14.36	V
	10100	-39.53	-25	-14.53	-49.90	4.77	15.14	V
	11370	-52.06	-25	-27.06	-62.27	3.03	13.24	V
	12630	-48.53	-25	-23.53	-57.98	3.56	13.01	V
	13890	-49.42	-25	-24.42	-58.94	3.92	13.44	V
	15160	-51.29	-25	-26.29	-61.21	4.44	14.36	V
Highest	5104	-44.53	-25	-19.53	-54.74	3.03	13.24	H
	6376	-43.81	-25	-18.81	-53.26	3.56	13.01	H
	7652	-45.03	-25	-20.03	-54.55	3.92	13.44	H
	8930	-49.37	-25	-24.37	-59.29	4.44	14.36	H
	10200	-41.99	-25	-16.99	-52.36	4.77	15.14	H
	11480	-43.88	-25	-18.88	-54.09	3.03	13.24	H
	12760	-40.00	-25	-15.00	-49.45	3.56	13.01	H

	14030	-45.26	-25	-20.26	-54.78	3.92	13.44	H
	15310	-49.20	-25	-24.20	-59.12	4.44	14.36	H
	5104	-46.15	-25	-21.15	-56.36	3.03	13.24	V
	6380	-39.86	-25	-14.86	-49.31	3.56	13.01	V
	7652	-42.50	-25	-17.50	-52.02	3.92	13.44	V
	8930	-48.30	-25	-23.30	-58.22	4.44	14.36	V
	10200	-42.18	-25	-17.18	-52.55	4.77	15.14	V
	11480	-42.73	-25	-17.73	-52.94	3.03	13.24	V
	12760	-43.45	-25	-18.45	-52.90	3.56	13.01	V
	14030	-47.58	-25	-22.58	-57.10	3.92	13.44	V
	15310	-47.21	-25	-22.21	-57.13	4.44	14.36	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 12 / 10MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1400	-42.36	-13	-29.36	-49.33	1.58	10.70	H
	2098	-37.08	-13	-24.08	-45.33	2.102	12.50	H
	2798	-60.34	-13	-47.34	-69.23	2.856	13.90	H
	3498	-59.62	-13	-46.62	-68.08	2.689	13.30	H
	1400	-47.28	-13	-34.28	-54.25	1.58	10.70	V
	2098	-37.36	-13	-24.36	-45.61	2.10	12.50	V
	2798	-62.33	-13	-49.33	-71.22	2.86	13.90	V
	3498	-60.65	-13	-47.65	-69.11	2.69	13.30	V
Middle	1406	-44.47	-13	-31.47	-51.44	1.58	10.70	H
	2110	-36.94	-13	-23.94	-45.19	2.102	12.50	H
	2812	-60.31	-13	-47.31	-69.20	2.856	13.90	H
	3516	-57.14	-13	-44.14	-65.60	2.689	13.30	H
	1406	-49.46	-13	-36.46	-56.43	1.58	10.70	V
	2110	-38.61	-13	-25.61	-46.86	2.10	12.50	V
	2812	-62.43	-13	-49.43	-71.32	2.86	13.90	V
	3516	-59.60	-13	-46.60	-68.06	2.69	13.30	V
Highest	1414	-48.49	-13	-35.49	-55.46	1.58	10.70	H
	2120	-40.33	-13	-27.33	-48.58	2.102	12.50	H
	2826	-62.21	-13	-49.21	-71.10	2.856	13.90	H
	3534	-56.67	-13	-43.67	-65.13	2.689	13.30	H
	1414	-50.21	-13	-37.21	-57.18	1.58	10.70	V
	2120	-40.47	-13	-27.47	-48.72	2.10	12.50	V
	2826	-62.41	-13	-49.41	-71.30	2.86	13.90	V
	3534	-59.27	-13	-46.27	-67.73	2.69	13.30	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 13 / 5MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1554	-42.80	-13	-29.80	-45.43	1.09	5.87	H
	2332	-52.58	-13	-39.58	-54.98	1.37	5.92	H
	3108	-60.81	-13	-47.81	-64.70	1.64	7.68	H
	1554	-40.73	-13	-27.73	-43.36	1.09	5.87	V
	2332	-50.76	-13	-37.76	-53.16	1.37	5.92	V
	3108	-60.91	-13	-47.91	-64.80	1.64	7.68	V
Middle	1566	-51.48	-42.15	-9.33	-54.11	1.09	5.87	H
	2350	-61.24	-13	-48.24	-63.64	1.37	5.92	H
	3120	-60.93	-13	-47.93	-64.82	1.64	7.68	H
	1566	-51.00	-42.15	-8.85	-53.63	1.09	5.87	V
	2348	-57.90	-13	-44.90	-60.30	1.37	5.92	V
	3120	-60.61	-13	-47.61	-64.50	1.64	7.68	V
Highest	1570	-47.99	-42.15	-5.84	-50.62	1.09	5.87	H
	2354	-58.19	-13	-45.19	-60.59	1.37	5.92	H
	3132	-61.00	-13	-48.00	-64.89	1.64	7.68	H
	1570	-47.05	-42.15	-4.90	-49.68	1.09	5.87	V
	2352	-56.44	-13	-43.44	-58.84	1.37	5.92	V
	3132	-61.05	-13	-48.05	-64.94	1.64	7.68	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 13 / 10MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1556	-41.35	-13	-28.35	-43.98	1.09	5.87	H
	2332	-45.29	-13	-32.29	-47.69	1.37	5.92	H
	3108	-60.35	-13	-47.35	-64.24	1.64	7.68	H
	1554	-38.44	-13	-25.44	-41.07	1.09	5.87	V
	2332	-51.15	-13	-38.15	-53.55	1.37	5.92	V
	3108	-60.34	-13	-47.34	-64.23	1.64	7.68	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 25 / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3702	-56.36	-13	-43.36	-68.62	2.64	14.90	H
	5553	-32.71	-13	-19.71	-44.57	2.94	14.80	H
	7404	-47.27	-13	-34.27	-57.04	3.39	13.16	H
	3702	-53.56	-13	-40.56	-65.82	2.64	14.90	V
	5553	-34.20	-13	-21.20	-46.06	2.94	14.80	V
	7404	-46.54	-13	-33.54	-56.31	3.39	13.16	V
Middle	3741	-52.50	-13	-39.50	-64.76	2.64	14.90	H
	5613	-28.14	-13	-15.14	-40.00	2.94	14.80	H
	7488	-46.81	-13	-33.81	-56.58	3.39	13.16	H
	3741	-49.73	-13	-36.73	-61.99	2.64	14.90	V
	5613	-29.35	-13	-16.35	-41.21	2.94	14.80	V
	7488	-45.25	-13	-32.25	-55.02	3.39	13.16	V
Highest	3792	-53.80	-13	-40.80	-66.06	2.64	14.90	H
	5688	-29.24	-13	-16.24	-41.10	2.94	14.80	H
	7584	-43.78	-13	-30.78	-53.55	3.39	13.16	H
	3792	-52.74	-13	-39.74	-65.00	2.64	14.90	V
	5688	-30.19	-13	-17.19	-42.05	2.94	14.80	V
	7584	-44.60	-13	-31.60	-54.37	3.39	13.16	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 26 / 15MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1650	-27.61	-13	-14.61	-34.58	1.58	10.70	H
	2474	-39.96	-13	-26.96	-48.21	2.102	12.50	H
	3300	-56.65	-13	-43.65	-65.54	2.856	13.90	H
	4122	-54.99	-13	-41.99	-63.45	2.689	13.30	H
	1650	-34.32	-13	-21.32	-41.29	1.58	10.70	V
	2474	-44.76	-13	-31.76	-53.01	2.10	12.50	V
	3300	-59.46	-13	-46.46	-68.35	2.86	13.90	V
	4122	-52.18	-13	-39.18	-60.64	2.69	13.30	V
Middle	1660	-28.55	-13	-15.55	-35.52	1.58	10.70	H
	2490	-42.71	-13	-29.71	-50.96	2.102	12.50	H
	3318	-53.89	-13	-40.89	-62.78	2.856	13.90	H
	4152	-54.88	-13	-41.88	-63.34	2.689	13.30	H
	1660	-37.86	-13	-24.86	-44.83	1.58	10.70	V
	2490	-45.24	-13	-32.24	-53.49	2.10	12.50	V
	3318	-57.26	-13	-44.26	-66.15	2.86	13.90	V
	4152	-52.84	-13	-39.84	-61.30	2.69	13.30	V
Highest	1670	-28.81	-13	-15.81	-35.78	1.58	10.70	H
	2504	-40.87	-13	-27.87	-49.12	2.102	12.50	H
	3342	-53.43	-13	-40.43	-62.32	2.856	13.90	H
	4176	-54.22	-13	-41.22	-62.68	2.689	13.30	H
	1670	-35.90	-13	-22.90	-42.87	1.58	10.70	V
	2504	-42.16	-13	-29.16	-50.41	2.10	12.50	V
	3342	-58.27	-13	-45.27	-67.16	2.86	13.90	V
	4176	-54.37	-13	-41.37	-62.83	2.69	13.30	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 41 / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5004	-46.17	-25	-21.17	-56.38	3.03	13.24	H
	6252	-53.23	-25	-28.23	-62.68	3.56	13.01	H
	7504	-39.44	-25	-14.44	-48.96	3.92	13.44	H
	8750	-47.18	-25	-22.18	-57.39	3.03	13.24	H
	10000	-46.85	-25	-21.85	-56.30	3.56	13.01	H
	11250	-48.80	-25	-23.80	-58.32	3.92	13.44	H
	12510	-44.54	-25	-19.54	-54.06	3.92	13.44	H
	13760	-52.58	-25	-27.58	-62.79	3.03	13.24	H
	15010	-49.46	-25	-24.46	-58.91	3.56	13.01	H
	5004	-45.13	-25	-20.13	-55.34	3.03	13.24	V
	6252	-46.59	-25	-21.59	-56.04	3.56	13.01	V
	7504	-35.93	-25	-10.93	-45.45	3.92	13.44	V
	8750	-39.26	-25	-14.26	-49.47	3.03	13.24	V
	10000	-44.69	-25	-19.69	-54.14	3.56	13.01	V
	11250	-46.98	-25	-21.98	-56.50	3.92	13.44	V
	12510	-42.44	-25	-17.44	-51.96	3.92	13.44	V
	13760	-51.67	-25	-26.67	-61.88	3.03	13.24	V
	15010	-51.66	-25	-26.66	-61.11	3.56	13.01	V
Middle	5168	-34.59	-25	-9.59	-44.80	3.03	13.24	H
	6460	-41.64	-25	-16.64	-51.09	3.56	13.01	H
	7752	-34.08	-25	-9.08	-43.60	3.92	13.44	H
	9040	-53.92	-25	-28.92	-64.13	3.03	13.24	H
	10340	-29.31	-25	-4.31	-38.76	3.56	13.01	H
	11630	-35.04	-25	-10.04	-44.56	3.92	13.44	H
	12920	-28.22	-25	-3.22	-37.74	3.92	13.44	H
	14210	-44.60	-25	-19.60	-54.81	3.03	13.24	H
	15500	-37.06	-25	-12.06	-46.51	3.56	13.01	H
	16800	-49.73	-25	-24.73	-59.25	3.92	13.44	H
	5168	-35.09	-25	-10.09	-45.30	3.03	13.24	V
	6460	-41.06	-25	-16.06	-50.51	3.56	13.01	V
	7752	-28.01	-25	-3.01	-37.53	3.92	13.44	V
	9040	-51.55	-25	-26.55	-61.76	3.03	13.24	V
	10340	-31.56	-25	-6.56	-41.01	3.56	13.01	V
	11630	-34.88	-25	-9.88	-44.40	3.92	13.44	V
	12920	-33.11	-25	-8.11	-42.63	3.92	13.44	V
	14210	-42.76	-25	-17.76	-52.97	3.03	13.24	V
	15500	-35.23	-25	-10.23	-44.68	3.56	13.01	V
	16800	-46.67	-25	-21.67	-56.19	3.92	13.44	V
Highest	4008	-43.29	-25	-18.29	-53.50	3.03	13.24	H
	5340	-40.81	-25	-15.81	-50.26	3.56	13.01	H
	6678	-49.49	-25	-24.49	-59.01	3.92	13.44	H
	8016	-42.96	-25	-17.96	-53.17	3.03	13.24	H
	9351	-39.43	-25	-14.43	-48.88	3.56	13.01	H

	10683	-29.30	-25	-4.30	-38.82	3.92	13.44	H
	12015	-42.27	-25	-17.27	-51.79	3.92	13.44	H
	13356	-42.46	-25	-17.46	-52.67	3.03	13.24	H
	14688	-50.68	-25	-25.68	-60.13	3.56	13.01	H
	16029	-52.47	-25	-27.47	-61.99	3.92	13.44	H
	4008	-45.09	-25	-20.09	-55.30	3.03	13.24	V
	5340	-40.11	-25	-15.11	-49.56	3.56	13.01	V
	6678	-43.76	-25	-18.76	-53.28	3.92	13.44	V
	8016	-40.10	-25	-15.10	-50.31	3.03	13.24	V
	9351	-39.13	-25	-14.13	-48.58	3.56	13.01	V
	10683	-31.91	-25	-6.91	-41.43	3.92	13.44	V
	12015	-37.74	-25	-12.74	-47.26	3.92	13.44	V
	13356	-38.54	-25	-13.54	-48.75	3.03	13.24	V
	14688	-52.81	-25	-27.81	-62.26	3.56	13.01	V
	16029	-47.51	-25	-22.51	-57.03	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.