FCC RF Test Report

APPLICANT	: Xiaomi Communications Co., Ltd.
EQUIPMENT	: Mobile Phone
BRAND NAME	: MI
MODEL NAME	: M1803D5XA
FCC ID	: 2AFZZ-XMSD5X
STANDARD	: 47 CFR Part 2, 22(H), 24(E), 27(L), 27(F), 27(M), 27(H)
CLASSIFICATION	: PCS Licensed Transmitter Held to Ear (PCE)

The product was received on Feb. 08, 2018 and completely tested on Apr. 04, 2018. We, Sporton International (Kunshan) Inc., would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and the testing has shown the tested sample to be in compliance with the applicable technical standards.

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.

James Huang

Approved by: James Huang / Manager

NVLAP TESTING
NVLAP LAB CODE 600155-0

Sporton International (Kunshan) Inc.
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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG820821B	Rev. 01	Initial issue of report	Apr. 08, 2018

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	Reporting Only	PASS	-
	§22.913(a)(2)	Effective Radiated Power (Band 5) (Band 26)	ERP < 7 Watt		
	§27.50(b)(10) §27.50(c)(10)	Effective Radiated Power (Band 12) (Band 13) (Band 17)	ERP < 3 Watt		
	§24.232(c) §27.50(h)(2)	Equivalent Isotropic Radiated Power (Band 2)(Band 25) (Band 7) (Band 38) (Band 41)	EIRP < 2Watt		
	§27.50(d)(4)	Equivalent Isotropic Radiated Power (Band 4)	EIRP < 1Watt		
3.5	§24.232(d)	Peak-to-Average Ratio	<13 dB	PASS	-
3.6	§2.1049	Occupied Bandwidth	Reporting Only	PASS	-
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	-
	§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	-
	§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 22H	PASS	-
	§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(g) §27.53(h)	Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26)	< $43+10\log_{10}$(P[Watts])	PASS	Under limit 14.86 dB at 1560.000 MHz
	§2.1053 §27.53(m)(4)	Radiated Spurious Emission (Band 7) (Band 38)(Band 41)	< $55+10\log_{10}$(P[Watts])		

1 General Description

1.1 Applicant

Xiaomi Communications Co., Ltd.
The Rainbow City of China Resources, NO.68, Qinghe Middle Street, Haidian District, Beijing, China

1.2 Manufacturer

Xiaomi Communications Co., Ltd.
The Rainbow City of China Resources, NO.68, Qinghe Middle Street, Haidian District, Beijing, China

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Phone
Brand Name	MI
Model Name	M1803D5XA
FCC ID	2AFZZ-XMSD5X
EUT supports Radios application	CDMA/EV-DO/GSM/GPRS/EGPRS/WCDMA/HSPA/ DC-HSDPA/HSPA+/LTE/NFC WLAN 2.4GHz 802.11b/g/n HT20/HT40/ WLAN 5GHz 802.11a/n HT20/HT40/ WLAN 5GHz 802.11ac VHT20/VHT40/VHT80/ Bluetooth v3.0 + EDR/Bluetooth v4.0 LE/ Bluetooth v4.1 LE/Bluetooth v4.2 LE/Bluetooth v5.0 LE
IMEI Code	Conducted: 867601030223652/867601030223660 for LTE Band 2/4/5/12/13/17/38/41/7CA/38CA/41CA 867601030224817/867601030224825 for LTE Band 7/25/26 Radiation: 867601030222613/867601030222621
HW Version	P3.0
SW Version	MIUI 9
EUT Stage	Pre-Production Unit

Remark: There are two types of EUT sample 1 and sample 2, the differences between two samples are only for Flash, sample 1 is 6GB+64GB, sample 2 is 6GB+128GB. We chose the sample 1 to perform all tests.

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 : 1850.7MHz ~ 1914.3 MHz LTE Band 26 : 824.7MHz ~ 848.3 MHz LTE Band 38 : 2572.5MHz ~ 2617.5MHz 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 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 : 22.90 dBm LTE Band 4 : 23.09 dBm LTE Band 5 : 22.67 dBm LTE Band 7 : 22.84 dBm/LTE Band 7_CA : 23.35 dBm LTE Band 12 : 22.67 dBm LTE Band 13 : 22.61 dBm LTE Band 17 : 22.69 dBm LTE Band 25 : 22.90 dBm LTE Band 26 : 22.95 dBm LTE Band 38 : 22.89 dBm/LTE Band 38_CA : 23.29 dBm LTE Band 41 : 22.91 dBm/LTE Band 41_CA : 23.22 dBm
Antenna Gain	LTE Band 2 : 1.61 dBi LTE Band 4 : 0.15 dBi LTE Band 5 : 0.37 dBi LTE Band 7 : -0.76 dBi LTE Band 12 : -4.68 dBi LTE Band 13 : -3.94 dBi

	LTE Band 17 : -4.68 dBi LTE Band 25 : 1.61 dBi LTE Band 26 : 0.37 dBi LTE Band 38 : -0.54 dBi LTE Band 41 : 0.12 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, Frequency Tolerance, and Emission Designator

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	1M09G7D	-	0.2582	1M10W7D	-	0.2339
3	1851.5 ~ 1908.5	2M72G7D	-	0.2786	2M73W7D	-	0.2415
5	1852.5 ~ 1907.5	4M49G7D	-	0.2742	4M51W7D	-	0.2344
10	1855.0 ~ 1905.0	9M05G7D	0.0022	0.2818	9M03W7D	-	0.2427
15	1857.5 ~ 1902.5	13M5G7D	-	0.2780	13M5W7D	-	0.2399
20	1860.0 ~ 1900.0	18M4G7D	-	0.2825	18M4W7D	-	0.2393

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	1M10W7D	-	0.1828
3	1851.5 ~ 1908.5	2M72W7D	-	0.1841
5	1852.5 ~ 1907.5	4M50W7D	-	0.1841
10	1855.0 ~ 1905.0	9M03W7D	-	0.1879
15	1857.5 ~ 1902.5	13M5W7D	-	0.1879
20	1860.0 ~ 1900.0	18M5W7D	-	0.1875

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	1M09G7D	-	0.2716	1M09W7D	-	0.2344
3	1851.5 ~ 1913.5	2M72G7D	-	0.2723	2M72W7D	-	0.2339
5	1852.5 ~ 1912.5	4M48G7D	-	0.2754	4M51W7D	-	0.2355
10	1855.0 ~ 1910.0	9M07G7D	0.0029	0.2754	9M03W7D	-	0.2388
15	1857.5 ~ 1907.5	13M4G7D	-	0.2818	13M5W7D	-	0.2438
20	1860.0 ~ 1905.0	18M3G7D	-	0.2825	18M4W7D	-	0.2455

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	1M09W7D	-	0.1811
3	1851.5 ~ 1913.5	2M72W7D	-	0.1816
5	1852.5 ~ 1912.5	4M49W7D	-	0.1841
10	1855.0 ~ 1910.0	9M03W7D	-	0.1862
15	1857.5 ~ 1907.5	13M5W7D	-	0.1901
20	1860.0 ~ 1905.0	18M4W7D	-	0.1919

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	1M09G7D	-	0.1995	1M09W7D	-	0.1714
3	1711.5 ~ 1753.5	2M72G7D	-	0.1986	2M73W7D	-	0.1722
5	1712.5 ~ 1752.5	4M50G7D	-	0.2056	4M49W7D	-	0.1786
10	1715.0 ~ 1750.0	9M03G7D	0.0029	0.2028	9M05W7D	-	0.1750
15	1717.5 ~ 1747.5	13M5G7D	-	0.2075	13M5W7D	-	0.1799
20	1720.0 ~ 1745.0	18M4G7D	-	0.2109	18M4W7D	-	0.1816

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	1M10W7D	-	0.1330
3	1711.5 ~ 1753.5	2M75W7D	-	0.1340
5	1712.5 ~ 1752.5	4M51W7D	-	0.1371
10	1715.0 ~ 1750.0	9M09W7D	-	0.1358
15	1717.5 ~ 1747.5	13M5W7D	-	0.1413
20	1720.0 ~ 1745.0	18M4W7D	-	0.1403

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	1M10G7D	-	0.1216	1M09W7D	-	0.1052
3	825.5 ~ 847.5	2M72G7D	-	0.1225	2M72W7D	-	0.1054
5	826.5 ~ 846.5	4M50G7D	-	0.1222	4M50W7D	-	0.1054
10	829.0 ~ 844.0	9M03G7D	0.0060	0.1227	9M01W7D	-	0.1047

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	1M09W7D	-	0.0807
3	825.5 ~ 847.5	2M73W7D	-	0.0822
5	826.5 ~ 846.5	4M50W7D	-	0.0820
10	829.0 ~ 844.0	9M07W7D	-	0.0817

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	4M49G7D	-	0.1567	4M49W7D	-	0.1340
10	2505.0 ~ 2565.0	9M05G7D	0.0032	0.1574	9M03W7D	-	0.1352
15	2507.5 ~ 2562.5	13M4G7D	-	0.1563	13M5W7D	-	0.1355
20	2510.0 ~ 2560.0	18M3G7D	-	0.1614	18M4W7D	-	0.1374

LTE Band 7		64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
5	2502.5 ~ 2567.5	4M50W7D	-	0.1052
10	2505.0 ~ 2565.0	9M03W7D	-	0.1062
15	2507.5 ~ 2562.5	13M5W7D	-	0.1052
20	2510.0 ~ 2560.0	18M4W7D	-	0.1074

LTE Band 7 CA	QPSK			16QAM		
BW (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
10MHz+20MHz	28M1G7D	-	0.1791	27M9W7D	-	0.1618
15MHz+15MHz	28M7G7D	-	0.1770	28M6W7D	-	0.1644
15MHz+20MHz	32M8G7D	-	0.1795	32M9W7D	-	0.1614
15MHz+10MHz	23M5G7D	-	0.1799	23M6W7D	-	0.1611
20MHz+10MHz	28M1G7D	-	0.1774	28M1W7D	-	0.1622
20MHz+15MHz	32M9G7D	-	0.1758	32M9W7D	-	0.1607
20MHz+20MHz	37M6G7D	-	0.1816	37M8W7D	-	0.1614

LTE Band 7 CA	64QAM		
BW (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
10MHz+20MHz	27M9W7D	-	0.1409
15MHz+15MHz	28M6W7D	-	0.0991
15MHz+20MHz	32M8W7D	-	0.0995
15MHz+10MHz	23M5W7D	-	0.0975
20MHz+10MHz	28M1W7D	-	0.1400
20MHz+15MHz	32M8W7D	-	0.0982
20MHz+20MHz	37M6W7D	-	0.1199

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	1M09G7D	-	0.0378	1M09W7D	-	0.0320
3	700.5 ~ 714.5	2M75G7D	-	0.0378	2M72W7D	-	0.0326
5	701.5 ~ 713.5	4M52G7D	-	0.0380	4M49W7D	-	0.0324
10	704.0 ~ 711.0	9M01G7D	0.0112	0.0384	9M05W7D	-	0.0327

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	1M09W7D	-	0.0251
3	700.5 ~ 714.5	2M72W7D	-	0.0254
5	701.5 ~ 713.5	4M50W7D	-	0.0256
10	704.0 ~ 711.0	9M07W7D	-	0.0259

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	4M50G7D	-	0.0448	4M50W7D	-	0.0383
10	782.0	9M01G7D	0.0090	0.0449	8M93W7D	-	0.0383

LTE Band 13		64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
5	779.5 ~ 784.5	4M49W7D	-	0.0298
10	782.0	8M99W7D	-	0.0297

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	4M50G7D	-	0.0385	4M52W7D	-	0.0328
10	709.0 ~ 711.0	9M07G7D	0.0066	0.0385	8M99W7D	-	0.0328

LTE Band 17		64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
5	706.5 ~ 713.5	4M49W7D	-	0.0258
10	709.0 ~ 711.0	9M03W7D	-	0.0255

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	1M09G7D	-	0.1161	1M09W7D	-	0.0989
3	825.5 ~ 847.5	2M73G7D	-	0.1169	2M75W7D	-	0.1002
5	826.5 ~ 846.5	4M50G7D	-	0.1186	4M51W7D	-	0.1014
10	829.0 ~ 844.0	9M05G7D	0.0096	0.1186	9M03W7D	-	0.1021
15	831.5 ~ 841.5	13M5G7D	-	0.1312	13M5W7D	-	0.1127
CH26765	821.5	13M4G7D	-	0.1312	13M4W7D	-	0.1122

LTE Band 26		64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
1.4	824.7 ~ 848.3	1M09W7D	-	0.0783
3	825.5 ~ 847.5	2M73W7D	-	0.0783
5	826.5 ~ 846.5	4M51W7D	-	0.0789
10	829.0 ~ 844.0	9M03W7D	-	0.0794
15	831.5 ~ 841.5	13M5W7D	-	0.0871
CH26765	821.5	13M5W7D	-	0.0875

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	4M51G7D	-	0.1648	4M50W7D	-	0.1349
10	2575.0 ~ 2615.0	9M03G7D	0.0027	0.1683	9M07W7D	-	0.1380
15	2577.5 ~ 2612.5	13M4G7D	-	0.1714	13M5W7D	-	0.1393
20	2580.0 ~ 2610.0	18M3G7D	-	0.1718	18M4W7D	-	0.1406

LTE Band 38		64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
5	2572.5 ~ 2617.5	4M50W7D	-	0.1016
10	2575.0 ~ 2615.0	9M03W7D	-	0.1030
15	2577.5 ~ 2612.5	13M5W7D	-	0.1042
20	2580.0 ~ 2610.0	18M4W7D	-	0.1045

LTE Band 38 CA	QPSK			16QAM		
BW (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
15MHz+15MHz	28M6G7D	-	0.1871	28M7W7D	-	0.1496
20MHz+20MHz	37M7G7D	-	0.1884	37M8W7D	-	0.1581

LTE Band 38 CA	64QAM		
BW (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
15MHz+15MHz	28M6W7D	-	0.0938
20MHz+20MHz	37M6W7D	-	0.1156

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	4M50G7D	-	0.1932	4M51W7D	-	0.1567
10	2501.0 ~ 2685.0	9M13G7D	0.0022	0.1959	9M03W7D	-	0.1611
15	2503.5 ~ 2682.5	13M5G7D	-	0.2000	13M5W7D	-	0.1629
20	2506.0 ~ 2680.0	18M4G7D	-	0.2009	18M3W7D	-	0.1648

LTE Band 41		64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
5	2498.5 ~ 2687.5	4M50W7D	-	0.1175
10	2501.0 ~ 2685.0	9M05W7D	-	0.1211
15	2503.5 ~ 2682.5	13M4W7D	-	0.1222
20	2506.0 ~ 2680.0	18M4W7D	-	0.1233

LTE Band 41 CA	QPSK			16QAM		
BW (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
5MHz+20MHz	23M2G7D	-	0.2089	23M3W7D	-	0.1652
10MHz+20MHz	28M0G7D	-	0.2153	28M1W7D	-	0.1644
10MHz+15MHz	23M5G7D	-	0.2099	23M5W7D	-	0.1675
15MHz+15MHz	28M6G7D	-	0.2109	28M6W7D	-	0.1683
15MHz+20MHz	32M9G7D	-	0.2084	32M9W7D	-	0.1675
15MHz+10MHz	23M5G7D	-	0.2153	23M5W7D	-	0.1734
20MHz+5MHz	23M2G7D	-	0.2138	23M3W7D	-	0.1637
20MHz+10MHz	28M1G7D	-	0.2104	28M1W7D	-	0.1679
20MHz+15MHz	32M9G7D	-	0.2080	32M8W7D	-	0.1660
20MHz+20MHz	37M6G7D	-	0.2158	37M7W7D	-	0.1687

LTE Band 41 CA	64QAM		
BW (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
5MHz+20MHz	23M3W7D	-	0.1094
10MHz+20MHz	28M0W7D	-	0.1059
10MHz+15MHz	23M4W7D	-	0.1074
15MHz+15MHz	28M5W7D	-	0.1079
15MHz+20MHz	32M7W7D	-	0.1067
15MHz+10MHz	23M5W7D	-	0.1081
20MHz+5MHz	23M3W7D	-	0.1067
20MHz+10MHz	28M1W7D	-	0.1067
20MHz+15MHz	32M8W7D	-	0.1064
20MHz+20MHz	37M6W7D	-	0.1213

1.7 Testing Location

Sporton International (Kunshan) Inc. is accredited to ISO 17025 by National Voluntary Laboratory Accreditation Program (NVLAP code: 600155-0) and the FCC designation No is CN5013.

Test Site	Sporton International (Kunshan) Inc.		
Test Site Location	No.3-2 Ping-Xiang Rd, Kunshan Development Zone Kunshan City Jiangsu Province 215335 China TEL : +86-512-57900158 FAX : +86-512-57900958		
Test Site No.	**Sporton Site No.**		**FCC Test Firm Registration No.**
	TH01-KS	03CH03-KS	630927

Note: The test site complies with ANSI C63.4 2014 requirement.

1.8 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(F), 27(M), 27(H)
- ANSI / TIA-603-E
- FCC KDB 971168 D01 Power Meas. License Digital Systems v03
- 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, 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 v03 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
	38	-	-	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
	13	-	-		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
	41	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	4						v	v	v	v	v		v	v	v	v
	7	-	-				v	v	v	v	v		v	v	v	v
	12				v	-	-	v	v	v	v		v	v	v	v
	13	-	-		v	-	-	v	v	v	v		v		v	
	25						v	v	v	v	v		v	v	v	v
	26					v	-	v	v	v	v		v	v	v	v
	41	-	-				v	v	v	v	v		v	v	v	v

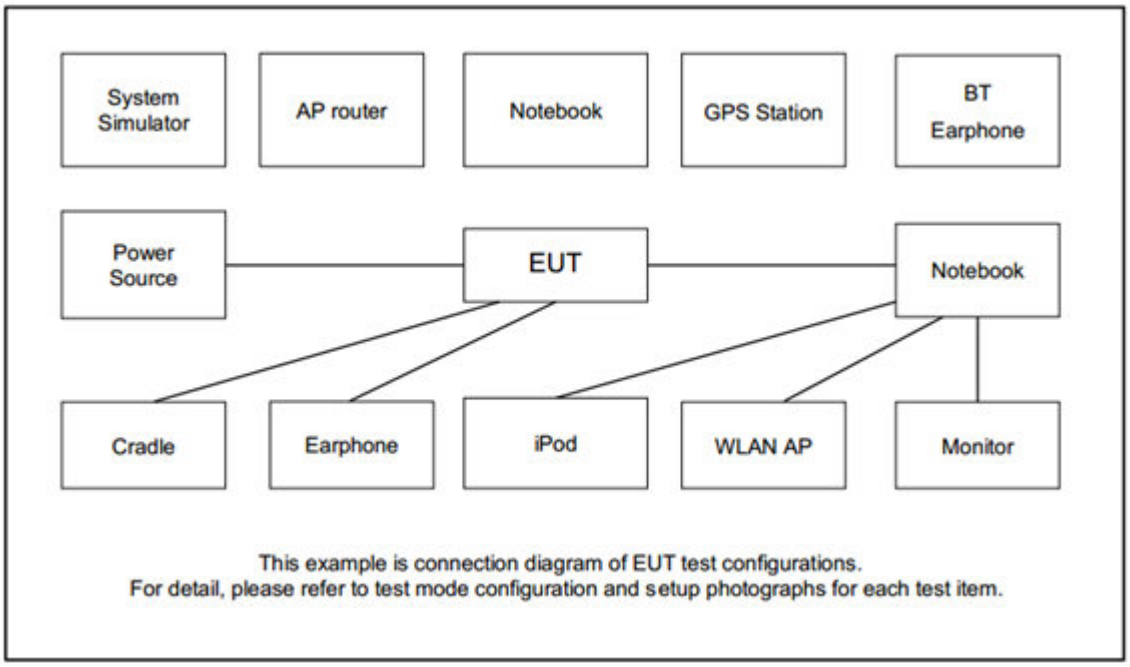
Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
26dB and 99% Bandwidth	2	v	v	v	v	v	v	v	v	v			v	v	v	v
	4	v	v	v	v	v	v	v	v	v			v	v	v	v
	5	v	v	v	v	-	-	v	v	v			v	v	v	v
	7	-	-	v	v	v	v	v	v	v			v	v	v	v
	38	-	-	v	v	v	v	v	v	v			v	v	v	v
	12	v	v	v	v	-	-	v	v	v			v	v	v	v
	13	-	-	v		-	-	v	v	v			v	v	v	v
	13	-	-		v	-	-	v	v	v			v		v	
	17	-	-	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
Conducted Band Edge	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
	13	-	-		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

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
Conducted Spurious Emission	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
	13	-	-		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
Frequency Stability	2				v			v					v		v	
	4				v			v					v		v	
	5				v	-	-	v					v		v	
	7	-	-		v			v					v		v	
	38	-	-		v			v					v		v	
	12				v	-	-	v					v		v	
	13	-	-		v	-	-	v					v		v	
	17	-	-		v	-	-	v					v		v	
	25				v			v					v		v	
	26				v		-	v					v		v	
	41	-	-		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.	2	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
	5	v	v	v	v	-	-	v	v	v	v			v	v	v
	7	-	-	v	v	v	v	v	v	v	v			v	v	v
	38	-	-	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
	13	-	-		v	-	-	v	v	v	v				v	
	17	-	-	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	
	7	Worst Case													v	
	12	Worst Case													v	
	13	Worst Case													v	
	25	Worst Case													v	
	26	Worst Case													v	
	41	Worst Case													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 BW/RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. 4. The frequency range of LTE Band 2/5/17/38 is covered by LTE Band 25/26/12/41															

Test Items	Band	Bandwidth (MHz)										Modulation			RB #			Test Channel		
		20+20	20+15	15+20	20+10	10+20	20+5	5+20	15+15	15+10	10+15	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
26dB and 99% Bandwidth	7_CA	v	v	v	v	v	-	-	v	v	-	v	v	v			v	v	v	v
	38_CA	v							v			v	v	v			v	v	v	v
	41_CA	v	v	v	v	v	v	v	v	v	v	v	v	v			v	v	v	v
Conducted Band Edge	7_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	v		v	v		v
	41_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v		v	v		v
Conducted Spurious Emission	7_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	v			v	v	v
	41_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v			v	v	v
E.I.R.P.	7_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	v			v	v	v
	38_CA	v							v			v	v	v	v			v	v	v
	41_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v			v	v	v
Radiated Spurious Emission	7_CA	v										v			v				v	
	38_CA	v										v			v				v	
	41_CA	v										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 BW/RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. 4. The frequency range of LTE Band 38_CA is covered by LTE Band 41_CA.																			

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	DC Power Supply	GW	GPS-3030D	N/A	N/A	Unshielded, 1.8 m
2.	LTE Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
3.	Earphone	Lenovo	SH100	N/A	Unshielded, 1.0 m	N/A

2.4 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

The spectrum analyzer offset is derived from RF cable loss.

Offset = RF cable loss.

Following shows an offset computation example with cable loss 5.0 dB.

Example :

Offset(dB) = RF cable loss(dB).

= 5.0 (dB)

2.5 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

LTE Band 7 Channel and Frequency List_CA					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	20850	21001	21152
		Frequency	2510.0	2525.1	2540.2
	SCC	Channel	21048	21199	21350
		Frequency	2529.8	2544.9	2560.0
20 + 15	PCC	Channel	20850	21026	21201
		Frequency	2510.0	2527.6	2545.1
	SCC	Channel	21021	21197	21372
		Frequency	2527.1	2544.7	2562.2
15 + 20	PCC	Channel	20828	21003	21179
		Frequency	2507.8	2525.3	2542.9
	SCC	Channel	20999	21174	21350
		Frequency	2524.9	2542.4	2560.0
20 + 10	PCC	Channel	20850	21051	21251
		Frequency	2510.0	2530.1	2550.1
	SCC	Channel	20994	21195	21395
		Frequency	2524.4	2544.5	2564.5
10 + 20	PCC	Channel	20805	21006	21206
		Frequency	2505.5	2525.6	2545.6
	SCC	Channel	20949	21150	21350
		Frequency	2519.9	2540.0	2560.0
15 + 15	PCC	Channel	20825	21025	21225
		Frequency	2507.5	2527.5	2547.5
	SCC	Channel	20975	21175	21375
		Frequency	2522.5	2542.5	2562.5
15 + 10	PCC	Channel	20825	21051	21277
		Frequency	2507.5	2530.1	2552.7
	SCC	Channel	20945	21171	21397
		Frequency	2519.5	2542.1	2564.7

LTE Band 38 Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	37850	37901	37952
		Frequency	2580.0	2585.1	2590.2
	SCC	Channel	38048	38099	38150
		Frequency	2599.8	2604.9	2610.0
15+ 15	PCC	Channel	37825	37925	38025
		Frequency	2577.5	2587.5	2597.5
	SCC	Channel	37975	38075	38175
		Frequency	2592.5	2602.5	2612.5

LTE Band 41 Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	39750	40521	41292
		Frequency	2506.0	2583.1	2660.2
	SCC	Channel	39948	40719	41490
		Frequency	2525.8	2602.9	2680.0
20 + 15	PCC	Channel	39750	40546	41341
		Frequency	2506.0	2585.6	2665.1
	SCC	Channel	39921	40717	41512
		Frequency	2523.1	2602.7	2682.2
15 + 20	PCC	Channel	39728	40523	41319
		Frequency	2503.8	2593.3	2662.9
	SCC	Channel	39899	40694	41490
		Frequency	2520.9	2600.4	2680.0
20 + 10	PCC	Channel	39750	40571	41391
		Frequency	2506.0	2588.1	2670.1
	SCC	Channel	39894	40715	41535
		Frequency	2520.4	2602.5	2684.5
10 + 20	PCC	Channel	39705	40526	41346
		Frequency	2501.5	2583.6	2665.6
	SCC	Channel	39849	40670	41490
		Frequency	2515.9	2598.0	2680.0

LTE Band 41 Channel and Frequency List					
20 + 5	PCC	Channel	39750	40595	41440
		Frequency	2506.0	2590.5	2675.0
	SCC	Channel	39867	40712	41557
		Frequency	2517.7	2602.2	2686.7
5 + 20	PCC	Channel	39683	40528	41373
		Frequency	2499.3	2583.8	2668.3
	SCC	Channel	39800	40645	41490
		Frequency	2511.0	2595.5	2680.0
15 + 15	PCC	Channel	39725	40545	41365
		Frequency	2503.5	2585.5	2667.5
	SCC	Channel	39875	40695	41515
		Frequency	2518.5	2600.5	2682.5
10 + 15	PCC	Channel	39703	40549	41395
		Frequency	2501.3	2585.9	2670.5
	SCC	Channel	39823	40669	41515
		Frequency	2513.3	2597.9	2682.5
15 + 10	PCC	Channel	39725	40571	41417
		Frequency	2503.5	2588.1	2672.7
	SCC	Channel	39845	40691	41537
		Frequency	2515.5	2600.1	2684.7

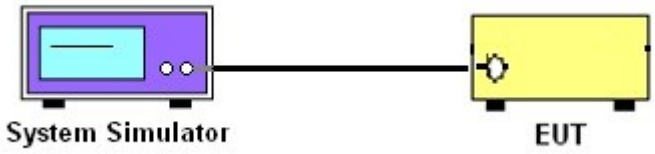
3 Conducted Test Items

3.1 Measuring Instruments

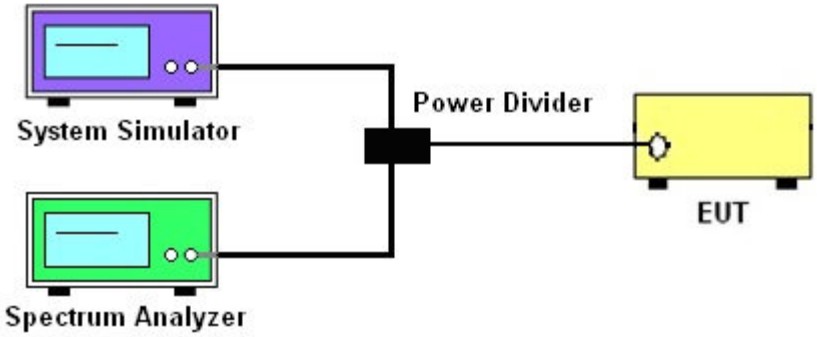
See list of measuring instruments of this test report.

3.2 Test Setup

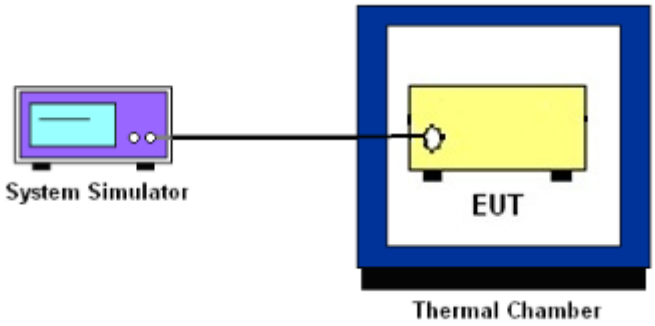
3.2.1 Conducted Output Power



3.2.2 Peak-to-Average Ratio, Occupied Bandwidth ,Conducted Band-Edge and Conducted Spurious Emission



3.2.3 Frequency Stability



3.3 Test Result of Conducted Test

Please refer to Appendix A.

3.4 Conducted Output Power and ERP/EIRP

3.4.1 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

3.4.2 Test Procedures

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

3.5 Peak-to-Average Ratio

3.5.1 Description of the PAR Measurement

Power Complementary Cumulative Distribution Function (CCDF) curves provide a means for characterizing the power peaks of a digitally modulated signal on a statistical basis. A CCDF curve depicts the probability of the peak signal amplitude exceeding the average power level. Most contemporary measurement instrumentation include the capability to produce CCDF curves for an input signal provided that the instrument's resolution bandwidth can be set wide enough to accommodate the entire input signal bandwidth. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

3.5.2 Test Procedures

The testing follows FCC KDB 971168 v03 Section 5.7.1

1. The EUT was connected to spectrum and system simulator via a power divider.
2. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
3. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.
4. Record the deviation as Peak to Average Ratio.

3.6 Occupied Bandwidth

3.6.1 Description of Occupied Bandwidth Measurement

The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

3.6.2 Test Procedures

The testing follows FCC KDB 971168 v03 Section 4.2

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
3. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
4. Set the detection mode to peak, and the trace mode to max hold.
5. Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace. (this is the reference value)
6. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
7. Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “–X dB down amplitude” determined in step 6. If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
8. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

3.7 Conducted Band Edge

3.7.1 Description of Conducted Band Edge Measurement

22.917(a)

For operations in the 824 – 849 MHz band, the FCC limit is 43 + $10\log_{10}$(P[Watts]) dB below the transmitter power P(Watts) in a 100kHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

24.238 (a)

For operations in the 1850-1910 and 1930-1990 MHz band, the FCC limit is 43 + $10\log_{10}$(P[Watts]) dB below the transmitter power P(Watts) in a 1MHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53 (c)

For operations in the 776-788 MHz band, the FCC limit is 43 + $10\log_{10}$(P[Watts]) dB below the transmitter power P(Watts) in a 100 kHz bandwidth. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed. In addition, the power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least 65 + 10 log10 p(watts), dB, for mobile and portable equipment.

27.53 (g)

For operations in the 698 -746 MHz band, the FCC limit is 43 + 10log10(P[Watts]) dB below the transmitter power P(Watts) in a 100 kHz bandwidth. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

27.53 (h)

For operations in the 1710 – 1755 MHz band, the FCC limit is 43 + $10\log_{10}$(P[Watts]) dB below the transmitter power P(Watts) in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53(m)(4)

For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

3.7.2 Test Procedures

The testing follows FCC KDB 971168 v03 Section 6.0.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The band edges of low and high channels for the highest RF powers were measured.
3. Set RBW >= 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
4. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
5. Set spectrum analyzer with RMS detector.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. Offset has included the duty factor for LTE Band 38/41. Duty factor =10 log (1/x), where x is the measured duty cycle
8. Checked that all the results comply with the emission limit line.
   The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
9. For LTE Band 7, 38, 41, the other 40 dB, and 55 dB have additionally applied same calculation above.

3.8 Conducted Spurious Emission

3.8.1 Description of Conducted Spurious Emission Measurement

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

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10^{th} harmonic.

3.8.2 Test Procedures

The testing follows FCC KDB 971168 v03 Section 6.0.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. The middle channel for the highest RF power within the transmitting frequency was measured.
4. The conducted spurious emission for the whole frequency range was taken.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
6. Set spectrum analyzer with RMS detector.
7. Offset has included the duty factor for LTE Band 38/41. Duty factor =10 log (1/x), where x is the measured duty cycle
8. Taking the record of maximum spurious emission.
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
10. The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
11. For Band 7, 38, 41

    The limit line is derived from 55 + 10log(P)dB below the transmitter power P(Watts)

3.9 Frequency Stability

3.9.1 Description of Frequency Stability Measurement

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within ±0.00025% (±2.5ppm) of the center frequency.

3.9.2 Test Procedures for Temperature Variation

The testing follows FCC KDB 971168 v03 Section 9.0.

1. The EUT was set up in the thermal chamber and connected with the system simulator.
2. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
3. With power OFF, the temperature was raised in 10°C step up to 50°C. The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

3.9.3 Test Procedures for Voltage Variation

The testing follows FCC KDB 971168 v03 Section 9.0.

1. The EUT was placed in a temperature chamber at 20±5° C and connected with the system simulator.
2. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
3. The variation in frequency was measured for the worst case.

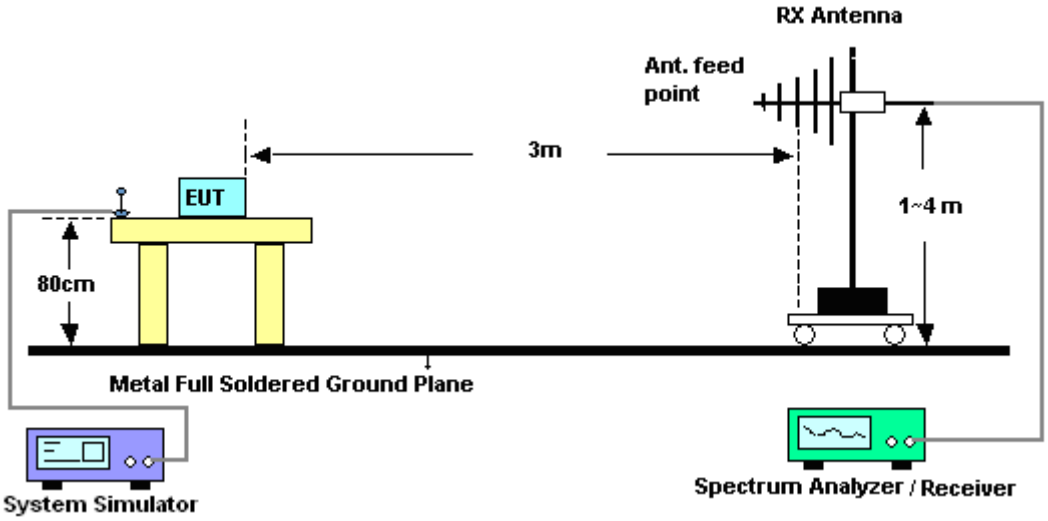
4 Radiated Test Items

4.1 Measuring Instruments

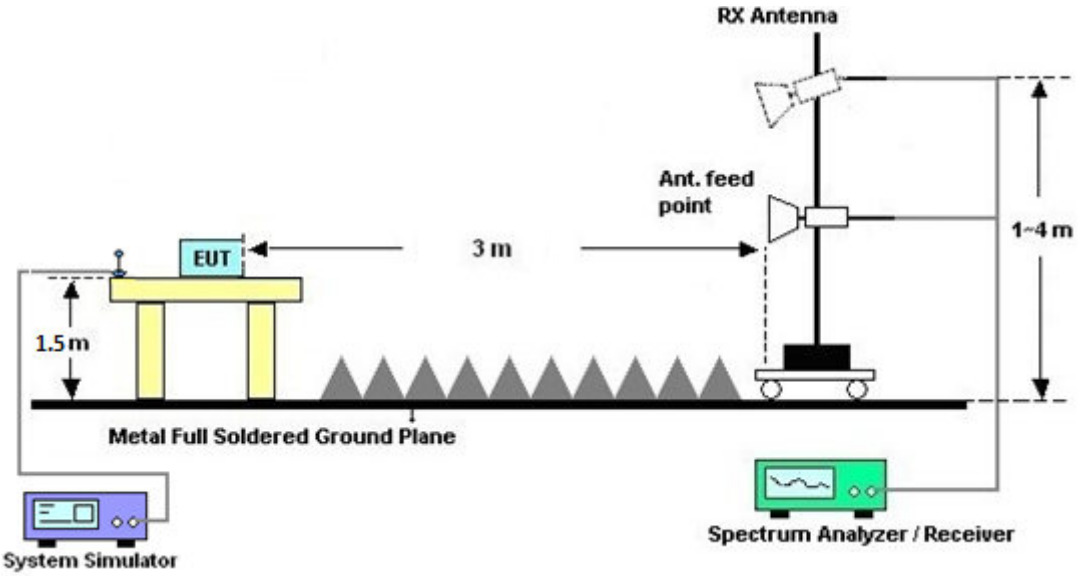
See list of measuring instruments of this test report.

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 / TIA-603-E.

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.

4.4.2 Test Procedures

The testing follows FCC KDB 971168 v03 Section 5.8 and ANSI / TIA-603-E Section 2.2.12.

1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. 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)
11. For Band 7, 38, 41:
    The limit line is derived from 55 + 10log(P)dB below the transmitter power P(Watts)
    EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain
    ERP (dBm) = EIRP - 2.15

5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Aug. 08, 2017	Mar. 05, 2018~ Apr. 04, 2018	Aug. 07, 2018	Conducted (TH01-KS)
Radio communication analyzer	Anritsu	MT8820C	6201300652	2G/3G/LTE_ full band	Aug. 08, 2017	Mar. 05, 2018~ Apr. 04, 2018	Aug. 07, 2018	Conducted (TH01-KS)
Thermal Chamber	Ten Billion	TTC-B3S	TBN-960502	-40~+150°C	Oct. 12, 2017	Mar. 05, 2018~ Apr. 04, 2018	Oct. 11, 2018	Conducted (TH01-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55150244	10Hz-44GHz	Apr. 18, 2017	Mar. 23, 2018~ Mar. 30, 2018	Apr. 17, 2018	Radiation (03CH03-KS)
Bilog Antenna	TeseQ	CBL6112D	35406	25MHz-2GHz	Apr. 22, 2017	Mar. 23, 2018~ Mar. 30, 2018	Apr. 21, 2018	Radiation (03CH03-KS)
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-1356	1GHz~18GHz	Apr. 22, 2017	Mar. 23, 2018~ Mar. 30, 2018	Apr. 21, 2018	Radiation (03CH03-KS)
SHF-EHF Horn	Schwarzbeck	BBHA 9170	BBHA170249	15GHz~40GHz	Feb. 07, 2018	Mar. 23, 2018~ Mar. 30, 2018	Feb. 06, 2019	Radiation (03CH03-KS)
Amplifier	com-power	PA-103A	161069	1MHz ~1000MHz / 32 dB	Apr. 18, 2017	Mar. 23, 2018~ Mar. 30, 2018	Apr. 17, 2018	Radiation (03CH03-KS)
high gain Amplifier	MITEQ	AMF-7D-00 101800-30-1 0P	2025788	1Ghz-18Ghz	Apr. 18, 2017	Mar. 23, 2018~ Mar. 30, 2018	Apr. 17, 2018	Radiation (03CH03-KS)
Amplifier	MITEQ	TTA1840-35 -HG	1887435	18~40GHz	Oct. 12, 2017	Mar. 23, 2018~ Mar. 30, 2018	Oct. 11, 2018	Radiation (03CH03-KS)
Amplifier	Agilent	8449B	3008A02370	1GHz~26.5GHz	Oct. 12, 2017	Mar. 23, 2018~ Mar. 30, 2018	Oct. 11, 2018	Radiation (03CH03-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Mar. 23, 2018~ Mar. 30, 2018	NCR	Radiation (03CH03-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Mar. 23, 2018~ Mar. 30, 2018	NCR	Radiation (03CH03-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Mar. 23, 2018~ Mar. 30, 2018	NCR	Radiation (03CH03-KS)

NCR: No Calibration Required

6 Uncertainty of Evaluation

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

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

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

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

Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power)

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.76	22.63	22.90
20	1	49		22.58	22.48	22.75
20	1	99		22.27	22.40	22.67
20	50	0		21.74	21.58	21.82
20	50	24		21.66	21.52	21.74
20	50	50		21.51	21.46	21.70
20	100	0		21.56	21.54	21.76
20	1	0	16-QAM	22.12	21.97	22.18
20	1	49		21.99	21.81	22.11
20	1	99		21.69	21.74	22.04
20	50	0		20.84	20.71	20.89
20	50	24		20.77	20.66	20.86
20	50	50		20.61	20.60	20.82
20	100	0		20.66	20.65	20.87
20	1	0	64QAM	21.05	20.91	21.12
20	1	49		20.81	20.73	21.01
20	1	99		20.59	20.68	20.91
20	50	0		19.85	19.72	19.91
20	50	24		19.78	19.66	19.87
20	50	50		19.60	19.57	19.83
20	100	0		19.68	19.66	19.88
15	1	0	QPSK	22.69	22.65	22.83
15	1	37		22.64	22.50	22.68
15	1	74		22.47	22.47	22.70
15	36	0		21.61	21.56	21.79
15	36	20		21.58	21.52	21.75
15	36	39		21.50	21.50	21.75
15	75	0		21.57	21.56	21.78
15	1	0	16-QAM	22.05	22.01	22.19

15	1	37		21.97	21.85	22.04
15	1	74		21.82	21.81	22.05
15	36	0		20.72	20.70	20.86
15	36	20		20.66	20.64	20.84
15	36	39		20.58	20.58	20.81
15	75	0		20.66	20.61	20.85
15	1	0		20.95	20.91	21.13
15	1	37		20.87	20.78	20.99
15	1	74		20.70	20.76	20.99
15	36	0	64QAM	19.73	19.70	19.90
15	36	20		19.67	19.65	19.87
15	36	39		19.62	19.64	19.83
15	75	0		19.67	19.60	19.84

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.64	22.56	22.89
10	1	25		22.62	22.49	22.73
10	1	49		22.47	22.48	22.73
10	25	0		21.60	21.57	21.80
10	25	12		21.58	21.55	21.78
10	25	25		21.53	21.49	21.78
10	50	0		21.59	21.57	21.77
10	1	0	16-QAM	21.95	21.98	22.24
10	1	25		22.01	21.89	22.06
10	1	49		21.85	21.81	22.07
10	25	0		20.71	20.70	20.90
10	25	12		20.69	20.67	20.87
10	25	25		20.63	20.61	20.85
10	50	0		20.69	20.64	20.85
10	1	0	64QAM	20.84	20.81	21.13
10	1	25		20.86	20.73	20.99
10	1	49		20.71	20.71	21.01
10	25	0		19.72	19.68	19.88
10	25	12		19.70	19.68	19.89
10	25	25		19.65	19.64	19.86
10	50	0		19.69	19.67	19.90
5	1	0	QPSK	22.56	22.52	22.77
5	1	12		22.53	22.51	22.72
5	1	24		22.58	22.47	22.74
5	12	0		21.58	21.56	21.77
5	12	7		21.61	21.55	21.80
5	12	13		21.57	21.50	21.76
5	25	0		21.52	21.55	21.74
5	1	0	16-QAM	21.93	21.89	22.09
5	1	12		21.90	21.88	22.09
5	1	24		21.95	21.83	22.06
5	12	0		20.70	20.66	20.87
5	12	7		20.68	20.68	20.90

5	12	13		20.61	20.63	20.84
5	25	0		20.64	20.63	20.85
5	1	0		20.83	20.85	21.04
5	1	12		20.83	20.80	21.00
5	1	24		20.83	20.75	20.99
5	12	0	64QAM	19.69	19.71	19.92
5	12	7		19.75	19.70	19.96
5	12	13		19.68	19.66	19.92
5	25	0		19.66	19.61	19.87

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.53	22.51	22.74
3	1	8		22.62	22.61	22.84
3	1	14		22.49	22.49	22.73
3	8	0		21.58	21.54	21.74
3	8	4		21.60	21.56	21.79
3	8	7		21.56	21.52	21.73
3	15	0		21.57	21.49	21.76
3	1	0	16-QAM	21.89	21.88	22.05
3	1	8		22.00	21.98	22.22
3	1	14		21.87	21.86	22.03
3	8	0		20.69	20.70	20.88
3	8	4		20.74	20.69	20.92
3	8	7		20.70	20.68	20.88
3	15	0		20.67	20.63	20.86
3	1	0	64QAM	20.83	20.76	21.04
3	1	8		20.49	20.80	20.86
3	1	14		20.83	20.45	20.99
3	8	0		19.69	19.71	19.76
3	8	4		19.67	19.53	19.76
3	8	7		19.78	19.66	19.92
3	15	0		19.66	19.61	19.87
1.4	1	0	QPSK	22.48	22.44	22.66
1.4	1	3		22.51	22.51	22.75
1.4	1	5		22.45	22.40	22.65
1.4	3	0		22.50	22.46	22.70
1.4	3	1		22.52	22.50	22.73
1.4	3	3		22.47	22.46	22.71
1.4	6	0		21.48	21.43	21.68
1.4	1	0	16-QAM	21.81	21.79	21.96
1.4	1	3		21.90	21.88	22.08
1.4	1	5		21.80	21.79	21.97
1.4	3	0		21.59	21.59	21.79
1.4	3	1		21.66	21.63	21.81

1.4	3	3		21.59	21.56	21.76
1.4	6	0		20.65	20.62	20.84
1.4	1	0		20.72	20.75	20.92
1.4	1	3		20.82	20.81	21.01
1.4	1	5		20.69	20.71	20.94
1.4	3	0	64QAM	20.70	20.69	20.91
1.4	3	1		20.78	20.73	20.98
1.4	3	3		20.71	20.70	20.93
1.4	6	0		19.57	19.53	19.79

LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.76	22.93	23.09
20	1	49		22.75	22.67	22.82
20	1	99		22.62	22.73	22.77
20	50	0		21.91	21.88	22.00
20	50	24		21.87	21.87	21.89
20	50	50		21.80	21.81	21.82
20	100	0		21.85	21.87	21.93
20	1	0	16-QAM	22.11	22.21	22.44
20	1	49		22.13	22.06	22.18
20	1	99		21.97	22.09	22.12
20	50	0		21.01	20.95	21.10
20	50	24		20.93	20.95	21.01
20	50	50		20.89	20.90	20.95
20	100	0		20.93	20.96	20.99
20	1	0	64QAM	21.04	21.11	21.32
20	1	49		20.98	20.95	21.12
20	1	99		20.80	20.97	21.08
20	50	0		20.02	19.98	20.09
20	50	24		19.95	19.99	20.03
20	50	50		19.88	19.92	19.97
20	100	0		19.95	20.00	20.02
15	1	0	QPSK	22.73	22.87	23.02
15	1	37		22.76	22.80	22.95
15	1	74		22.76	22.80	22.81
15	36	0		21.79	21.81	21.94
15	36	20		21.84	21.85	21.91
15	36	39		21.77	21.78	21.84
15	75	0		21.84	21.85	21.89
15	1	0	16-QAM	22.10	22.16	22.40
15	1	37		22.13	22.15	22.31
15	1	74		22.02	22.12	22.18
15	36	0		20.90	20.92	21.05
15	36	20		20.93	20.95	20.99

15	36	39		20.84	20.91	20.96
15	75	0		20.93	20.97	21.01
15	1	0		21.00	21.09	21.35
15	1	37		21.04	21.08	21.24
15	1	74		20.94	21.02	21.11
15	36	0	64QAM	19.95	19.97	20.09
15	36	20		19.96	20.00	20.04
15	36	39		19.89	19.94	19.97
15	75	0		19.92	19.94	20.01

LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.66	22.67	22.92
10	1	25		22.65	22.66	22.91
10	1	49		22.73	22.72	22.78
10	25	0		21.76	21.77	21.90
10	25	12		21.71	21.81	21.90
10	25	25		21.76	21.80	21.85
10	50	0		21.80	21.82	21.89
10	1	0	16-QAM	22.00	21.94	22.27
10	1	25		21.99	22.04	22.28
10	1	49		22.07	22.05	22.15
10	25	0		20.83	20.88	21.00
10	25	12		20.82	20.92	20.99
10	25	25		20.85	20.87	20.92
10	50	0		20.89	20.96	20.96
10	1	0	64QAM	20.95	20.93	21.18
10	1	25		20.95	20.96	21.18
10	1	49		21.01	21.02	21.05
10	25	0		19.84	19.89	20.01
10	25	12		19.82	19.96	19.99
10	25	25		19.89	19.89	19.94
10	50	0		19.89	19.95	19.96
5	1	0	QPSK	22.58	22.74	22.98
5	1	12		22.63	22.79	22.84
5	1	24		22.62	22.77	22.81
5	12	0		21.70	21.73	21.89
5	12	7		21.71	21.82	21.89
5	12	13		21.67	21.80	21.83
5	25	0		21.67	21.81	21.83
5	1	0	16-QAM	21.95	22.11	22.37
5	1	12		22.00	22.19	22.21
5	1	24		22.01	22.16	22.18
5	12	0		20.82	20.85	20.97
5	12	7		20.82	20.93	20.99

5	12	13		20.76	20.89	20.96
5	25	0		20.75	20.90	20.96
5	1	0		20.87	21.04	21.22
5	1	12		20.94	21.05	21.12
5	1	24		20.91	21.05	21.07
5	12	0	64QAM	19.87	19.89	20.01
5	12	7		19.88	19.99	20.03
5	12	13		19.83	19.95	20.00
5	25	0		19.80	19.91	19.98

LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.54	22.68	22.83
3	1	8		22.62	22.79	22.83
3	1	14		22.59	22.74	22.79
3	8	0		21.70	21.80	21.82
3	8	4		21.67	21.83	21.87
3	8	7		21.64	21.77	21.84
3	15	0		21.66	21.78	21.80
3	1	0	16-QAM	21.88	22.05	22.16
3	1	8		22.01	22.18	22.19
3	1	14		21.96	22.13	22.21
3	8	0		20.84	20.93	20.98
3	8	4		20.84	20.99	21.02
3	8	7		20.83	20.92	20.98
3	15	0		20.77	20.90	20.95
3	1	0	64QAM	20.82	20.97	21.12
3	1	8		20.87	21.08	21.09
3	1	14		20.91	21.04	21.06
3	8	0		19.84	19.95	19.99
3	8	4		19.85	19.96	20.01
3	8	7		19.81	19.96	19.98
3	15	0		19.79	19.91	19.95
1.4	1	0	QPSK	22.46	22.59	22.76
1.4	1	3		22.51	22.79	22.85
1.4	1	5		22.43	22.66	22.71
1.4	3	0		22.52	22.63	22.82
1.4	3	1		22.51	22.77	22.82
1.4	3	3		22.47	22.74	22.78
1.4	6	0		21.49	21.74	21.78
1.4	1	0	16-QAM	21.82	21.98	22.10
1.4	1	3		21.89	22.14	22.19
1.4	1	5		21.80	22.06	22.09
1.4	3	0		21.59	21.78	21.91
1.4	3	1		21.63	21.90	21.95

1.4	3	3		21.59	21.86	21.88
1.4	6	0		20.63	20.90	20.92
1.4	1	0		20.73	20.93	21.05
1.4	1	3		20.78	21.08	21.09
1.4	1	5		20.69	21.00	21.00
1.4	3	0	64QAM	20.72	20.85	21.02
1.4	3	1		20.79	21.02	21.07
1.4	3	3		20.73	20.96	21.03
1.4	6	0		19.58	19.82	19.86

LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.67	22.56	22.62
10	1	25		22.50	22.45	22.51
10	1	49		22.62	22.51	22.54
10	25	0		21.59	21.51	21.55
10	25	12		21.62	21.51	21.53
10	25	25		21.63	21.46	21.48
10	50	0		21.68	21.50	21.56
10	1	0	16-QAM	21.98	21.91	21.92
10	1	25		21.86	21.71	21.78
10	1	49		21.97	21.80	21.90
10	25	0		20.72	20.62	20.68
10	25	12		20.68	20.61	20.66
10	25	25		20.75	20.55	20.58
10	50	0		20.76	20.60	20.62
10	1	0	64QAM	20.90	20.81	20.82
10	1	25		20.78	20.66	20.74
10	1	49		20.87	20.72	20.77
10	25	0		19.71	19.60	19.64
10	25	12		19.69	19.61	19.66
10	25	25		19.74	19.55	19.62
10	50	0		19.77	19.60	19.62
5	1	0	QPSK	22.63	22.50	22.63
5	1	12		22.54	22.45	22.65
5	1	24		22.56	22.41	22.62
5	12	0		21.65	21.50	21.61
5	12	7		21.61	21.49	21.61
5	12	13		21.60	21.46	21.68
5	25	0		21.62	21.46	21.59
5	1	0	16-QAM	21.88	21.87	21.97
5	1	12		21.85	21.74	22.01
5	1	24		21.89	21.73	22.00
5	12	0		20.67	20.56	20.75
5	12	7		20.70	20.59	20.71

5	12	13		20.68	20.53	20.78
5	25	0		20.68	20.56	20.69
5	1	0		20.87	20.71	20.83
5	1	12		20.87	20.66	20.92
5	1	24		20.80	20.65	20.87
5	12	0	64QAM	19.77	19.61	19.72
5	12	7		19.76	19.62	19.77
5	12	13		19.72	19.60	19.84
5	25	0		19.68	19.59	19.66

LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.57	22.42	22.66
3	1	8		22.44	22.43	22.64
3	1	14		22.51	22.41	22.62
3	8	0		21.61	21.49	21.68
3	8	4		21.51	21.48	21.72
3	8	7		21.57	21.43	21.69
3	15	0		21.59	21.47	21.67
3	1	0	16-QAM	21.83	21.71	22.01
3	1	8		21.70	21.71	22.00
3	1	14		21.86	21.73	21.95
3	8	0		20.72	20.60	20.85
3	8	4		20.63	20.60	20.85
3	8	7		20.68	20.56	20.82
3	15	0		20.69	20.56	20.78
3	1	0	64QAM	20.80	20.64	20.93
3	1	8		20.67	20.66	20.85
3	1	14		20.84	20.65	20.89
3	8	0		19.73	19.61	19.81
3	8	4		19.61	19.64	19.84
3	8	7		19.69	19.55	19.82
3	15	0		19.70	19.57	19.80
1.4	1	0	QPSK	22.48	22.34	22.55
1.4	1	3		22.56	22.41	22.63
1.4	1	5		22.36	22.32	22.53
1.4	3	0		22.53	22.38	22.59
1.4	3	1		22.54	22.42	22.62
1.4	3	3		22.52	22.38	22.59
1.4	6	0		21.54	21.39	21.61
1.4	1	0	16-QAM	21.76	21.62	21.92
1.4	1	3		21.84	21.70	22.00
1.4	1	5		21.63	21.62	21.92
1.4	3	0		21.57	21.45	21.64
1.4	3	1		21.60	21.52	21.71

1.4	3	3		21.61	21.45	21.67
1.4	6	0		20.69	20.54	20.78
1.4	1	0		20.75	20.59	20.75
1.4	1	3		20.78	20.70	20.84
1.4	1	5		20.63	20.55	20.75
1.4	3	0	64QAM	20.71	20.57	20.81
1.4	3	1		20.76	20.64	20.85
1.4	3	3		20.71	20.57	20.79
1.4	6	0		19.61	19.47	19.71

LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.64	22.70	22.84
20	1	49		22.37	22.55	22.64
20	1	99		22.41	22.62	22.60
20	50	0		21.48	21.69	21.72
20	50	24		21.45	21.66	21.62
20	50	50		21.43	21.61	21.62
20	100	0		21.50	21.63	21.58
20	1	0	16-QAM	21.99	22.03	22.14
20	1	49		21.75	21.91	21.95
20	1	99		21.78	21.91	21.92
20	50	0		20.59	20.76	20.79
20	50	24		20.56	20.76	20.68
20	50	50		20.54	20.68	20.69
20	100	0		20.54	20.73	20.71
20	1	0	64QAM	20.92	20.98	21.07
20	1	49		20.70	20.83	20.92
20	1	99		20.73	20.87	20.82
20	50	0		19.62	19.81	19.81
20	50	24		19.58	19.76	19.70
20	50	50		19.54	19.71	19.73
20	100	0		19.61	19.76	19.69
15	1	0	QPSK	22.61	22.68	22.70
15	1	37		22.38	22.59	22.57
15	1	74		22.42	22.63	22.58
15	36	0		21.44	21.68	21.64
15	36	20		21.49	21.66	21.67
15	36	39		21.38	21.60	21.54
15	75	0		21.46	21.62	21.67
15	1	0	16-QAM	21.92	22.04	22.08
15	1	37		21.72	21.93	21.92
15	1	74		21.74	22.01	21.91
15	36	0		20.58	20.75	20.76
15	36	20		20.55	20.77	20.76

15	36	39		20.51	20.72	20.64
15	75	0		20.54	20.72	20.77
15	1	0		20.93	20.98	20.95
15	1	37		20.69	20.88	20.82
15	1	74		20.69	20.93	20.83
15	36	0	64QAM	19.60	19.82	19.75
15	36	20		19.62	19.79	19.80
15	36	39		19.56	19.75	19.72
15	75	0		19.54	19.75	19.78

LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.52	22.73	22.69
10	1	25		22.48	22.58	22.66
10	1	49		22.33	22.65	22.58
10	25	0		21.55	21.65	21.64
10	25	12		21.46	21.66	21.63
10	25	25		21.41	21.58	21.62
10	50	0		21.44	21.60	21.59
10	1	0	16-QAM	21.88	22.07	22.02
10	1	25		21.82	21.94	22.02
10	1	49		21.69	21.98	21.93
10	25	0		20.63	20.74	20.78
10	25	12		20.54	20.73	20.72
10	25	25		20.50	20.68	20.74
10	50	0		20.54	20.74	20.69
10	1	0	64QAM	20.84	21.02	20.89
10	1	25		20.77	20.89	20.89
10	1	49		20.65	20.86	20.77
10	25	0		19.62	19.73	19.74
10	25	12		19.53	19.77	19.73
10	25	25		19.52	19.69	19.75
10	50	0		19.52	19.72	19.74
5	1	0	QPSK	22.48	22.71	22.66
5	1	12		22.46	22.57	22.64
5	1	24		22.47	22.54	22.59
5	12	0		21.49	21.62	21.70
5	12	7		21.56	21.68	21.68
5	12	13		21.48	21.63	21.66
5	25	0		21.51	21.65	21.65
5	1	0	16-QAM	21.83	22.00	22.03
5	1	12		21.83	21.95	21.96
5	1	24		21.76	21.91	21.90
5	12	0		20.61	20.70	20.78
5	12	7		20.65	20.72	20.79

5	12	13		20.58	20.70	20.71
5	25	0		20.59	20.70	20.72
5	1	0		20.80	20.97	20.98
5	1	12		20.73	20.87	20.90
5	1	24		20.70	20.83	20.85
5	12	0	64QAM	19.67	19.80	19.84
5	12	7		19.70	19.84	19.83
5	12	13		19.66	19.80	19.78
5	25	0		19.59	19.71	19.74

LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.50	22.48	22.66
10	1	25		22.53	22.50	22.58
10	1	49		22.53	22.50	22.67
10	25	0		21.62	21.57	21.63
10	25	12		21.62	21.57	21.63
10	25	25		21.54	21.52	21.59
10	50	0		21.58	21.55	21.61
10	1	0	16-QAM	21.87	21.87	21.92
10	1	25		21.87	21.81	21.93
10	1	49		21.90	21.90	21.97
10	25	0		20.69	20.66	20.68
10	25	12		20.71	20.64	20.71
10	25	25		20.63	20.63	20.69
10	50	0		20.68	20.65	20.72
10	1	0	64QAM	20.77	20.79	20.91
10	1	25		20.76	20.68	20.86
10	1	49		20.75	20.80	20.97
10	25	0		19.72	19.66	19.74
10	25	12		19.72	19.66	19.72
10	25	25		19.67	19.64	19.71
10	50	0		19.68	19.67	19.70
5	1	0	QPSK	22.49	22.45	22.56
5	1	12		22.47	22.49	22.55
5	1	24		22.57	22.51	22.63
5	12	0		21.51	21.56	21.59
5	12	7		21.51	21.55	21.61
5	12	13		21.62	21.52	21.57
5	25	0		21.59	21.52	21.58
5	1	0	16-QAM	21.85	21.73	21.91
5	1	12		21.76	21.76	21.89
5	1	24		21.85	21.81	21.94
5	12	0		20.60	20.65	20.67
5	12	7		20.63	20.65	20.71

5	12	13		20.70	20.62	20.65
5	25	0		20.68	20.64	20.69
5	1	0		20.74	20.69	20.86
5	1	12		20.68	20.71	20.85
5	1	24		20.76	20.80	20.91
5	12	0	64QAM	19.67	19.71	19.73
5	12	7		19.67	19.71	19.78
5	12	13		19.73	19.66	19.73
5	25	0		19.71	19.64	19.68

LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.46	22.39	22.53
3	1	8		22.45	22.47	22.51
3	1	14		22.46	22.49	22.60
3	8	0		21.50	21.55	21.55
3	8	4		21.50	21.53	21.59
3	8	7		21.49	21.53	21.54
3	15	0		21.48	21.54	21.55
3	1	0	16-QAM	21.82	21.71	21.92
3	1	8		21.78	21.77	21.84
3	1	14		21.76	21.83	21.96
3	8	0		20.63	20.64	20.71
3	8	4		20.68	20.69	20.68
3	8	7		20.62	20.63	20.68
3	15	0		20.59	20.63	20.65
3	1	0	64QAM	20.75	20.62	20.81
3	1	8		20.73	20.71	20.77
3	1	14		20.70	20.76	20.87
3	8	0		19.63	19.65	19.67
3	8	4		19.66	19.71	19.69
3	8	7		19.61	19.69	19.69
3	15	0		19.59	19.62	19.68
1.4	1	0	QPSK	22.39	22.40	22.44
1.4	1	3		22.46	22.47	22.61
1.4	1	5		22.37	22.38	22.51
1.4	3	0		22.44	22.43	22.47
1.4	3	1		22.48	22.51	22.50
1.4	3	3		22.44	22.43	22.58
1.4	6	0		21.43	21.46	21.45
1.4	1	0	16-QAM	21.77	21.69	21.72
1.4	1	3		21.87	21.76	21.87
1.4	1	5		21.78	21.73	21.88
1.4	3	0		21.53	21.46	21.53
1.4	3	1		21.58	21.53	21.56

1.4	3	3		21.53	21.47	21.65
1.4	6	0		20.58	20.63	20.61
1.4	1	0		20.64	20.63	20.65
1.4	1	3		20.70	20.78	20.83
1.4	1	5		20.62	20.61	20.78
1.4	3	0	64QAM	20.66	20.61	20.69
1.4	3	1		20.73	20.68	20.73
1.4	3	3		20.64	20.64	20.74
1.4	6	0		19.52	19.55	19.56

LTE Band 13 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK		22.54	
10	1	25			22.50	
10	1	49			22.61	
10	25	0			21.61	
10	25	12			21.58	
10	25	25			21.51	
10	50	0			21.58	
10	1	0	16-QAM		21.87	
10	1	25			21.85	
10	1	49			21.92	
10	25	0			20.68	
10	25	12			20.63	
10	25	25			20.60	
10	50	0			20.64	
10	1	0	64QAM		20.81	
10	1	25			20.76	
10	1	49			20.82	
10	25	0			19.72	
10	25	12			19.69	
10	25	25			19.65	
10	50	0			19.65	
5	1	0	QPSK	22.52	22.58	22.53
5	1	12		22.45	22.51	22.60
5	1	24		22.52	22.51	22.59
5	12	0		21.54	21.57	21.56
5	12	7		21.64	21.57	21.55
5	12	13		21.59	21.54	21.61
5	25	0		21.58	21.54	21.53
5	1	0	16-QAM	21.88	21.92	21.83
5	1	12		21.84	21.88	21.90
5	1	24		21.88	21.83	21.88
5	12	0		20.60	20.65	20.63
5	12	7		20.73	20.68	20.66

5	12	13		20.70	20.63	20.71
5	25	0		20.69	20.64	20.60
5	1	0		20.79	20.83	20.80
5	1	12		20.72	20.76	20.82
5	1	24		20.80	20.72	20.80
5	12	0	64QAM	19.65	19.75	19.68
5	12	7		19.78	19.71	19.69
5	12	13		19.75	19.69	19.74
5	25	0		19.70	19.64	19.60

LTE Band 17 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.47	22.46	22.69
10	1	25		22.51	22.48	22.57
10	1	49		22.53	22.50	22.60
10	25	0		21.54	21.52	21.64
10	25	12		21.56	21.54	21.63
10	25	25		21.50	21.52	21.62
10	50	0		21.54	21.56	21.63
10	1	0	16-QAM	21.79	21.78	21.99
10	1	25		21.78	21.77	21.96
10	1	49		21.81	21.80	21.91
10	25	0		20.67	20.62	20.71
10	25	12		20.65	20.61	20.74
10	25	25		20.62	20.58	20.67
10	50	0		20.63	20.61	20.69
10	1	0	64QAM	20.71	20.76	20.89
10	1	25		20.74	20.76	20.80
10	1	49		20.73	20.80	20.83
10	25	0		19.66	19.61	19.72
10	25	12		19.65	19.65	19.72
10	25	25		19.61	19.60	19.71
10	50	0		19.64	19.62	19.74
5	1	0	QPSK	22.68	22.52	22.59
5	1	12		22.63	22.49	22.55
5	1	24		22.65	22.50	22.55
5	12	0		21.66	21.51	21.60
5	12	7		21.66	21.52	21.61
5	12	13		21.64	21.52	21.58
5	25	0		21.66	21.52	21.58
5	1	0	16-QAM	21.99	21.85	21.90
5	1	12		21.96	21.85	21.84
5	1	24		21.91	21.86	21.85
5	12	0		20.78	20.61	20.67
5	12	7		20.76	20.62	20.72

5	12	13		20.74	20.63	20.64
5	25	0		20.76	20.60	20.66
5	1	0		20.95	20.76	20.87
5	1	12		20.89	20.79	20.79
5	1	24		20.85	20.75	20.79
5	12	0	64QAM	19.82	19.65	19.75
5	12	7		19.85	19.67	19.76
5	12	13		19.79	19.64	19.71
5	25	0		19.75	19.61	19.68

LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.87	22.74	22.90
20	1	49		22.62	22.57	22.70
20	1	99		22.48	22.47	22.71
20	50	0		21.76	21.71	21.81
20	50	24		21.71	21.65	21.76
20	50	50		21.60	21.56	21.73
20	100	0		21.70	21.63	21.78
20	1	0	16-QAM	22.24	22.13	22.29
20	1	49		21.97	21.97	22.09
20	1	99		21.87	21.91	22.10
20	50	0		20.88	20.82	20.92
20	50	24		20.84	20.77	20.88
20	50	50		20.74	20.71	20.85
20	100	0		20.79	20.75	20.88
20	1	0	64QAM	21.22	20.97	21.20
20	1	49		20.93	20.83	21.00
20	1	99		20.84	20.74	21.00
20	50	0		19.87	19.82	19.95
20	50	24		19.81	19.76	19.90
20	50	50		19.73	19.70	19.85
20	100	0		19.83	19.78	19.89
15	1	0	QPSK	22.89	22.73	22.85
15	1	37		22.63	22.59	22.71
15	1	74		22.59	22.55	22.73
15	36	0		21.75	21.69	21.81
15	36	20		21.68	21.64	21.76
15	36	39		21.61	21.61	21.75
15	75	0		21.67	21.63	21.76
15	1	0	16-QAM	22.26	22.09	22.22
15	1	37		22.02	21.96	22.06
15	1	74		21.95	21.91	22.09
15	36	0		20.86	20.77	20.92
15	36	20		20.79	20.76	20.88

15	36	39		20.76	20.68	20.84
15	75	0		20.80	20.76	20.87
15	1	0		21.18	21.05	21.12
15	1	37		20.96	20.91	20.99
15	1	74		20.91	20.88	20.97
15	36	0	64QAM	19.89	19.84	19.96
15	36	20		19.83	19.78	19.92
15	36	39		19.77	19.76	19.87
15	75	0		19.80	19.75	19.87

LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.77	22.63	22.79
10	1	25		22.70	22.53	22.71
10	1	49		22.56	22.49	22.71
10	25	0		21.77	21.61	21.78
10	25	12		21.66	21.60	21.74
10	25	25		21.61	21.59	21.74
10	50	0		21.64	21.61	21.76
10	1	0	16-QAM	22.11	21.98	22.17
10	1	25		22.06	21.92	22.09
10	1	49		21.91	21.88	22.07
10	25	0		20.89	20.74	20.86
10	25	12		20.79	20.71	20.86
10	25	25		20.72	20.68	20.82
10	50	0		20.75	20.73	20.85
10	1	0	64QAM	21.09	20.93	21.03
10	1	25		21.02	20.89	20.96
10	1	49		20.86	20.82	20.93
10	25	0		19.89	19.74	19.87
10	25	12		19.79	19.72	19.89
10	25	25		19.72	19.68	19.86
10	50	0		19.77	19.73	19.88
5	1	0	QPSK	22.62	22.59	22.79
5	1	12		22.61	22.56	22.73
5	1	24		22.56	22.52	22.73
5	12	0		21.66	21.62	21.76
5	12	7		21.65	21.64	21.78
5	12	13		21.64	21.61	21.72
5	25	0		21.61	21.55	21.74
5	1	0	16-QAM	21.97	21.94	22.11
5	1	12		21.95	21.92	22.10
5	1	24		21.93	21.90	22.06
5	12	0		20.78	20.72	20.87
5	12	7		20.77	20.73	20.88

5	12	13		20.73	20.70	20.85
5	25	0		20.73	20.69	20.85
5	1	0		20.92	20.88	21.04
5	1	12		20.88	20.85	21.03
5	1	24		20.87	20.81	21.01
5	12	0	64QAM	19.81	19.76	19.91
5	12	7		19.82	19.78	19.94
5	12	13		19.79	19.74	19.91
5	25	0		19.73	19.71	19.87

LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.61	22.57	22.74
3	1	8		22.58	22.54	22.70
3	1	14		22.60	22.53	22.69
3	8	0		21.64	21.58	21.72
3	8	4		21.64	21.59	21.76
3	8	7		21.63	21.57	21.72
3	15	0		21.61	21.56	21.75
3	1	0	16-QAM	21.95	21.88	22.08
3	1	8		21.99	21.94	22.07
3	1	14		21.92	21.90	22.01
3	8	0		20.81	20.76	20.87
3	8	4		20.83	20.75	20.90
3	8	7		20.78	20.73	20.85
3	15	0		20.76	20.68	20.85
3	1	0	64QAM	20.88	20.85	20.96
3	1	8		20.86	20.85	20.98
3	1	14		20.90	20.81	20.98
3	8	0		19.81	19.77	19.89
3	8	4		19.82	19.77	19.92
3	8	7		19.79	19.76	19.91
3	15	0		19.77	19.71	19.87
1.4	1	0	QPSK	22.52	22.51	22.65
1.4	1	3		22.61	22.54	22.73
1.4	1	5		22.52	22.48	22.64
1.4	3	0		22.56	22.50	22.70
1.4	3	1		22.59	22.55	22.73
1.4	3	3		22.55	22.50	22.70
1.4	6	0		21.54	21.49	21.71
1.4	1	0	16-QAM	21.91	21.88	21.98
1.4	1	3		21.96	21.94	22.09
1.4	1	5		21.88	21.87	22.01
1.4	3	0		21.69	21.62	21.80
1.4	3	1		21.71	21.67	21.84

1.4	3	3		21.66	21.61	21.80
1.4	6	0		20.72	20.68	20.85
1.4	1	0		20.80	20.71	20.91
1.4	1	3		20.90	20.83	20.97
1.4	1	5		20.77	20.79	20.88
1.4	3	0	64QAM	20.82	20.75	20.92
1.4	3	1		20.85	20.81	20.96
1.4	3	3		20.82	20.77	20.90
1.4	6	0		19.66	19.60	19.80

LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	22.93	22.93	22.95
15	1	37		22.42	22.40	22.42
15	1	74		22.93	22.89	22.89
15	36	0		21.71	21.66	21.56
15	36	20		21.50	21.53	21.52
15	36	39		21.70	21.56	21.53
15	75	0		21.60	21.59	21.57
15	1	0	16-QAM	22.25	22.25	22.30
15	1	37		21.79	21.73	21.75
15	1	74		22.24	22.22	22.21
15	36	0		20.78	20.75	20.69
15	36	20		20.59	20.59	20.59
15	36	39		20.77	20.65	20.65
15	75	0		20.68	20.69	20.69
15	1	0	64QAM	21.17	21.18	21.18
15	1	37		20.73	20.69	20.67
15	1	74		21.16	21.15	21.11
15	36	0		19.80	19.80	19.69
15	36	20		19.64	19.63	19.61
15	36	39		19.81	19.67	19.65
15	75	0		19.71	19.72	19.70

LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.44	22.38	22.52
10	1	25		22.42	22.40	22.47
10	1	49		22.40	22.45	22.43
10	25	0		21.50	21.46	21.49
10	25	12		21.46	21.48	21.45
10	25	25		21.44	21.40	21.47
10	50	0		21.47	21.40	21.45
10	1	0	16-QAM	21.76	21.76	21.87
10	1	25		21.78	21.75	21.80
10	1	49		21.75	21.84	21.77
10	25	0		20.58	20.57	20.57
10	25	12		20.58	20.58	20.54
10	25	25		20.52	20.51	20.57
10	50	0		20.53	20.51	20.51
10	1	0	64QAM	20.67	20.64	20.78
10	1	25		20.66	20.64	20.72
10	1	49		20.66	20.70	20.67
10	25	0		19.60	19.59	19.54
10	25	12		19.58	19.54	19.52
10	25	25		19.53	19.50	19.58
10	50	0		19.57	19.56	19.54
5	1	0	QPSK	22.38	22.45	22.52
5	1	12		22.35	22.41	22.44
5	1	24		22.43	22.39	22.42
5	12	0		21.38	21.41	21.51
5	12	7		21.42	21.42	21.49
5	12	13		21.37	21.40	21.48
5	25	0		21.49	21.42	21.48
5	1	0	16-QAM	21.72	21.78	21.84
5	1	12		21.70	21.76	21.79
5	1	24		21.81	21.76	21.78
5	12	0		20.51	20.56	20.59
5	12	7		20.50	20.58	20.63

5	12	13		20.46	20.52	20.57
5	25	0		20.56	20.51	20.58
5	1	0		20.65	20.72	20.74
5	1	12		20.63	20.66	20.75
5	1	24		20.72	20.65	20.67
5	12	0	64QAM	19.55	19.61	19.64
5	12	7		19.55	19.58	19.63
5	12	13		19.52	19.56	19.61
5	25	0		19.57	19.56	19.58

LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	22.36	22.39	22.46
3	1	8		22.32	22.39	22.43
3	1	14		22.33	22.35	22.43
3	8	0		21.40	21.42	21.48
3	8	4		21.40	21.45	21.48
3	8	7		21.38	21.40	21.45
3	15	0		21.36	21.39	21.45
3	1	0	16-QAM	21.63	21.73	21.78
3	1	8		21.63	21.70	21.79
3	1	14		21.62	21.69	21.76
3	8	0		20.51	20.54	20.59
3	8	4		20.53	20.59	20.63
3	8	7		20.51	20.56	20.59
3	15	0		20.48	20.49	20.58
3	1	0	64QAM	20.60	20.63	20.72
3	1	8		20.61	20.64	20.69
3	1	14		20.60	20.63	20.66
3	8	0		19.50	19.58	19.61
3	8	4		19.55	19.54	19.62
3	8	7		19.49	19.53	19.60
3	15	0		19.49	19.50	19.59
1.4	1	0	QPSK	22.27	22.30	22.36
1.4	1	3		22.34	22.38	22.42
1.4	1	5		22.26	22.28	22.33
1.4	3	0		22.33	22.36	22.42
1.4	3	1		22.36	22.39	22.43
1.4	3	3		22.34	22.33	22.39
1.4	6	0		21.32	21.34	21.38
1.4	1	0	16-QAM	21.60	21.64	21.67
1.4	1	3		21.70	21.71	21.73
1.4	1	5		21.59	21.61	21.66
1.4	3	0		21.42	21.44	21.49
1.4	3	1		21.46	21.46	21.51

1.4	3	3		21.40	21.41	21.48
1.4	6	0		20.48	20.50	20.55
1.4	1	0		20.55	20.57	20.62
1.4	1	3		20.63	20.66	20.72
1.4	1	5		20.51	20.56	20.62
1.4	3	0	64QAM	20.53	20.58	20.61
1.4	3	1		20.56	20.60	20.65
1.4	3	3		20.54	20.56	20.62
1.4	6	0		19.43	19.43	19.49

LTE Band 38 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.89	22.78	22.80
20	1	49		22.57	22.66	22.70
20	1	99		22.60	22.68	22.70
20	50	0		21.82	21.84	21.73
20	50	24		21.76	21.75	21.77
20	50	50		21.67	21.69	21.68
20	100	0		21.73	21.75	21.77
20	1	0	16-QAM	22.02	21.90	21.92
20	1	49		21.68	21.76	21.82
20	1	99		21.73	21.77	21.80
20	50	0		20.89	20.91	20.87
20	50	24		20.85	20.87	20.87
20	50	50		20.75	20.78	20.76
20	100	0		20.80	20.83	20.87
20	1	0	64QAM	20.73	20.69	20.72
20	1	49		20.46	20.56	20.58
20	1	99		20.43	20.57	20.55
20	50	0		19.90	19.91	19.85
20	50	24		19.83	19.83	19.89
20	50	50		19.77	19.75	19.79
20	100	0		19.82	19.86	19.88
15	1	0	QPSK	22.84	22.74	22.88
15	1	37		22.56	22.67	22.70
15	1	74		22.65	22.74	22.71
15	36	0		21.76	21.78	21.81
15	36	20		21.64	21.74	21.77
15	36	39		21.65	21.64	21.63
15	75	0		21.72	21.72	21.78
15	1	0	16-QAM	21.95	21.84	21.98
15	1	37		21.69	21.77	21.79
15	1	74		21.73	21.84	21.83
15	36	0		20.79	20.84	20.84
15	36	20		20.72	20.79	20.78

15	36	39		20.74	20.70	20.72
15	75	0		20.81	20.82	20.84
15	1	0		20.70	20.60	20.72
15	1	37		20.44	20.56	20.54
15	1	74		20.55	20.60	20.60
15	36	0	64QAM	19.83	19.88	19.92
15	36	20		19.77	19.84	19.85
15	36	39		19.73	19.76	19.77
15	75	0		19.83	19.78	19.85

LTE Band 38 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.75	22.67	22.80
10	1	25		22.59	22.66	22.72
10	1	49		22.53	22.63	22.75
10	25	0		21.70	21.73	21.77
10	25	12		21.65	21.73	21.74
10	25	25		21.58	21.66	21.68
10	50	0		21.74	21.72	21.75
10	1	0	16-QAM	21.89	21.81	21.94
10	1	25		21.70	21.80	21.82
10	1	49		21.63	21.74	21.81
10	25	0		20.82	20.84	20.89
10	25	12		20.74	20.82	20.84
10	25	25		20.68	20.78	20.79
10	50	0		20.81	20.82	20.83
10	1	0	64QAM	20.65	20.56	20.67
10	1	25		20.43	20.55	20.58
10	1	49		20.38	20.47	20.58
10	25	0		19.86	19.89	19.89
10	25	12		19.76	19.86	19.89
10	25	25		19.72	19.82	19.80
10	50	0		19.83	19.82	19.82
5	1	0	QPSK	22.70	22.69	22.71
5	1	12		22.58	22.66	22.71
5	1	24		22.51	22.61	22.68
5	12	0		21.72	21.70	21.74
5	12	7		21.74	21.74	21.73
5	12	13		21.62	21.70	21.69
5	25	0		21.70	21.71	21.69
5	1	0	16-QAM	21.81	21.80	21.80
5	1	12		21.67	21.79	21.78
5	1	24		21.67	21.73	21.84
5	12	0		20.77	20.77	20.77
5	12	7		20.81	20.80	20.77

5	12	13		20.67	20.73	20.75
5	25	0		20.81	20.84	20.81
5	1	0		20.58	20.58	20.59
5	1	12		20.46	20.52	20.54
5	1	24		20.44	20.52	20.61
5	12	0	64QAM	19.84	19.84	19.84
5	12	7		19.83	19.83	19.83
5	12	13		19.73	19.81	19.79
5	25	0		19.85	19.85	19.82

LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.73	22.91	22.56
20	1	49		22.49	22.71	22.40
20	1	99		22.46	22.64	22.19
20	50	0		21.72	21.88	21.48
20	50	24		21.58	21.81	21.47
20	50	50		21.54	21.72	21.37
20	100	0		21.56	21.80	21.32
20	1	0	16-QAM	21.87	22.05	20.71
20	1	49		21.64	21.83	21.52
20	1	99		21.56	21.75	21.31
20	50	0		20.78	20.96	20.53
20	50	24		20.69	20.90	20.56
20	50	50		20.65	20.81	20.44
20	100	0		20.67	20.87	20.42
20	1	0	64QAM	20.63	20.79	20.44
20	1	49		20.37	20.55	20.28
20	1	99		20.29	20.51	20.06
20	50	0		19.79	19.97	19.59
20	50	24		19.70	19.87	19.55
20	50	50		19.64	19.81	19.43
20	100	0		19.68	19.89	19.46
15	1	0	QPSK	22.71	22.89	22.56
15	1	37		22.44	22.72	22.35
15	1	74		22.46	22.66	22.27
15	36	0		21.57	21.82	21.51
15	36	20		21.62	21.78	21.48
15	36	39		21.48	21.69	21.42
15	75	0		21.60	21.78	21.43
15	1	0	16-QAM	21.80	22.00	21.63
15	1	37		21.55	21.81	21.47
15	1	74		21.52	21.78	21.38
15	36	0		20.62	20.88	20.52
15	36	20		20.66	20.83	20.56

15	36	39		20.52	20.75	20.46
15	75	0		20.68	20.86	20.50
15	1	0		20.58	20.75	20.42
15	1	37		20.30	20.60	20.22
15	1	74		20.29	20.51	20.13
15	36	0	64QAM	19.68	19.91	19.59
15	36	20		19.65	19.85	19.58
15	36	39		19.57	19.79	19.51
15	75	0		19.69	19.86	19.51

LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.62	22.80	22.64
10	1	25		22.51	22.73	22.36
10	1	49		22.47	22.68	22.40
10	25	0		21.56	21.76	21.51
10	25	12		21.50	21.78	21.43
10	25	25		21.53	21.73	21.40
10	50	0		21.62	21.78	21.46
10	1	0	16-QAM	21.75	21.95	21.76
10	1	25		21.57	21.84	21.47
10	1	49		21.59	21.76	21.47
10	25	0		20.65	20.90	20.63
10	25	12		20.62	20.87	20.53
10	25	25		20.65	20.83	20.48
10	50	0		20.70	20.85	20.55
10	1	0	64QAM	20.53	20.71	20.52
10	1	25		20.35	20.61	20.21
10	1	49		20.34	20.54	20.23
10	25	0		19.71	19.92	19.64
10	25	12		19.68	19.93	19.56
10	25	25		19.68	19.87	19.51
10	50	0		19.72	19.87	19.56
5	1	0	QPSK	22.55	22.74	22.40
5	1	12		22.47	22.71	22.33
5	1	24		22.39	22.64	22.23
5	12	0		21.54	21.78	21.40
5	12	7		21.56	21.77	21.41
5	12	13		21.50	21.74	21.38
5	25	0		21.51	21.75	21.39
5	1	0	16-QAM	21.64	21.83	21.49
5	1	12		21.61	21.82	21.42
5	1	24		21.55	21.78	21.40
5	12	0		20.60	20.81	20.47
5	12	7		20.59	20.84	20.46

5	12	13		20.54	20.79	20.41
5	25	0		20.62	20.85	20.46
5	1	0		20.43	20.40	20.26
5	1	12		20.37	20.58	20.22
5	1	24		20.32	20.56	20.17
5	12	0	64QAM	19.67	19.86	19.51
5	12	7		19.62	19.87	19.52
5	12	13		19.58	19.80	19.44
5	25	0		19.66	19.88	19.51

LTE CA

CA_7C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21048	QPSK	0	0	1	99	1	22.58
			1	0	0	0	1	23.02
			100	0	0	0	100	22.28
			100	0	100	0	200	21.21
			1	0	1	99	2	14.56
			1	0	1	0	2	18.59
			1	99	1	0	2	23.01
			100	0	1	99	101	19.64
		16QAM	0	0	1	99	1	22.29
			1	0	0	0	1	22.61
			100	0	0	0	100	21.35
			100	0	100	0	200	20.29
			1	0	1	99	2	15.07
			1	0	1	0	2	19.3
			1	99	1	0	2	22.84
			100	0	1	99	101	19.72
		64QAM	0	0	1	99	1	20.97
			1	0	0	0	1	21.48
			100	0	0	0	100	20.34
			100	0	100	0	200	20.26
			1	0	1	99	2	14.98
			1	0	1	0	2	19.06
			1	99	1	0	2	20.53
			100	0	1	99	101	19.73

21001	21199	QPSK	0	0	1	99	1	22.57
			1	0	0	0	1	23.35
			100	0	0	0	100	22.05
			100	0	100	0	200	20.99
			1	0	1	99	2	14.55
			1	0	1	0	2	18.54
			1	99	1	0	2	22.97
			100	0	1	99	101	19.41
		16QAM	0	0	1	99	1	22.25
			1	0	0	0	1	22.78
			100	0	0	0	100	21.13
			100	0	100	0	200	20.05
			1	0	1	99	2	15.01
			1	0	1	0	2	19.13
			1	99	1	0	2	22.51
			100	0	1	99	101	19.58
		64QAM	0	0	1	99	1	20.93
			1	0	0	0	1	21.55
			100	0	0	0	100	20.14
			100	0	100	0	200	20.08
			1	0	1	99	2	14.92
			1	0	1	0	2	18.89
			1	99	1	0	2	20.13
			100	0	1	99	101	19.53

21152	21350	QPSK	0	0	1	99	1	22.74
			1	0	0	0	1	22.85
			100	0	0	0	100	21.78
			100	0	100	0	200	20.76
			1	0	1	99	2	14.23
			1	0	1	0	2	18.23
			1	99	1	0	2	23.01
			100	0	1	99	101	19.22
		16QAM	0	0	1	99	1	22.23
			1	0	0	0	1	22.15
			100	0	0	0	100	20.83
			100	0	100	0	200	19.84
			1	0	1	99	2	14.72
			1	0	1	0	2	18.85
			1	99	1	0	2	22.31
			100	0	1	99	101	19.36
		64QAM	0	0	1	99	1	21.1
			1	0	0	0	1	21.14
			100	0	0	0	100	19.88
			100	0	100	0	200	19.89
			1	0	1	99	2	14.51
			1	0	1	0	2	18.57
			1	99	1	0	2	20.19
			100	0	1	99	101	19.34

CA_7C								
Combination 20MHz+15MHz (100RB+75RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20850	21021	QPSK	100	0	75	0	175	21.25
		QPSK	1	0	1	74	2	14.64
		QPSK	1	99	1	0	2	23.21
		16QAM	100	0	75	0	175	20.35
		16QAM	1	0	1	74	2	15.2
		16QAM	1	99	1	0	2	22.82
		64QAM	100	0	75	0	175	20.36
		64QAM	1	0	1	74	2	15.09
		64QAM	1	99	1	0	2	20.68
21026	21197	QPSK	100	0	75	0	175	20.84
		QPSK	1	0	1	74	2	14.52
		QPSK	1	99	1	0	2	22.9
		16QAM	100	0	75	0	175	19.94
		16QAM	1	0	1	74	2	15.15
		16QAM	1	99	1	0	2	22.4
		64QAM	100	0	75	0	175	19.96
		64QAM	1	0	1	74	2	14.88
		64QAM	1	99	1	0	2	20.23
21201	21372	QPSK	100	0	75	0	175	20.71
		QPSK	1	0	1	74	2	14.15
		QPSK	1	99	1	0	2	22.83
		16QAM	100	0	75	0	175	19.78
		16QAM	1	0	1	74	2	14.57
		16QAM	1	99	1	0	2	22.26
		64QAM	100	0	75	0	175	19.8
		64QAM	1	0	1	74	2	14.45
		64QAM	1	99	1	0	2	20.12

Combination 15MHz+20MHz (75RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20828	20999	QPSK	75	0	100	0	175	21.35
		QPSK	1	0	1	99	2	14.63
		QPSK	1	74	1	0	2	23.3
		16QAM	75	0	100	0	175	20.45
		16QAM	1	0	1	99	2	15.25
		16QAM	1	74	1	0	2	22.84
		64QAM	75	0	100	0	175	20.47
		64QAM	1	0	1	99	2	15.13
		64QAM	1	74	1	0	2	20.74
21003	21174	QPSK	75	0	100	0	175	20.79
		QPSK	1	0	1	99	2	14.46
		QPSK	1	74	1	0	2	22.92
		16QAM	75	0	100	0	175	19.95
		16QAM	1	0	1	99	2	15.11
		16QAM	1	74	1	0	2	22.39
		64QAM	75	0	100	0	175	19.92
		64QAM	1	0	1	99	2	14.85
		64QAM	1	74	1	0	2	20.19
21179	21350	QPSK	75	0	100	0	175	20.69
		QPSK	1	0	1	99	2	14.12
		QPSK	1	74	1	0	2	22.79
		16QAM	75	0	100	0	175	19.65
		16QAM	1	0	1	99	2	14.49
		16QAM	1	74	1	0	2	22.21
		64QAM	75	0	100	0	175	19.75
		64QAM	1	0	1	99	2	14.42
		64QAM	1	74	1	0	2	20.09

Combination 20MHz+10MHz (100RB+50RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
20850	20994	QPSK	100	0	50	0	150	21.27
		QPSK	1	0	1	49	2	14.7
		QPSK	1	99	1	0	2	23.25
		16QAM	100	0	50	0	150	20.4
		16QAM	1	0	1	49	2	15.26
		16QAM	1	99	1	0	2	22.86
		64QAM	100	0	50	0	150	20.42
		64QAM	1	0	1	49	2	15.12
		64QAM	1	99	1	0	2	20.72
21051	21195	QPSK	100	0	50	0	150	20.83
		QPSK	1	0	1	49	2	14.49
		QPSK	1	99	1	0	2	22.86
		16QAM	100	0	50	0	150	19.91
		16QAM	1	0	1	49	2	15.1
		16QAM	1	99	1	0	2	22.31
		64QAM	100	0	50	0	150	19.91
		64QAM	1	0	1	49	2	12.81
		64QAM	1	99	1	0	2	22.22
21251	21395	QPSK	100	0	50	0	150	20.78
		QPSK	1	0	1	49	2	14.19
		QPSK	1	99	1	0	2	22.86
		16QAM	100	0	50	0	150	19.83
		16QAM	1	0	1	49	2	14.58
		16QAM	1	99	1	0	2	22.28
		64QAM	100	0	50	0	150	19.84
		64QAM	1	0	1	49	2	14.48
		64QAM	1	99	1	0	2	20.16

Combination 10MHz+20MHz (50RB+100RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
20805	20949	QPSK	50	0	100	0	150	21.38
		QPSK	1	0	1	99	2	21.72
		QPSK	1	49	1	0	2	23.29
		16QAM	50	0	100	0	150	20.45
		16QAM	1	0	1	99	2	15.21
		16QAM	1	49	1	0	2	22.85
		64QAM	50	0	100	0	150	20.44
		64QAM	1	0	1	99	2	15.16
		64QAM	1	49	1	0	2	20.75
21006	21150	QPSK	50	0	100	0	150	20.86
		QPSK	1	0	1	99	2	14.53
		QPSK	1	49	1	0	2	22.96
		16QAM	50	0	100	0	150	19.97
		16QAM	1	0	1	99	2	15.18
		16QAM	1	49	1	0	2	22.43
		64QAM	50	0	100	0	150	19.96
		64QAM	1	0	1	99	2	14.87
		64QAM	1	49	1	0	2	22.25
21206	21350	QPSK	50	0	100	0	150	20.6
		QPSK	1	0	1	99	2	14.1
		QPSK	1	49	1	0	2	22.79
		16QAM	50	0	100	0	150	19.67
		16QAM	1	0	1	99	2	14.52
		16QAM	1	49	1	0	2	22.21
		64QAM	50	0	100	0	150	19.7
		64QAM	1	0	1	99	2	14.41
		64QAM	1	49	1	0	2	20.09

Combination 15MHz+15MHz (75RB+75RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
20825	20975	QPSK	75	0	75	0	150	21.33
		QPSK	1	0	1	74	2	14.71
		QPSK	1	74	1	0	2	23.24
		16QAM	75	0	75	0	150	20.45
		16QAM	1	0	1	74	2	15.26
		16QAM	1	74	1	0	2	22.92
		64QAM	75	0	75	0	150	20.46
		64QAM	1	0	1	74	2	15.14
		64QAM	1	74	1	0	2	20.72
21025	21175	QPSK	75	0	75	0	150	20.81
		QPSK	1	0	1	74	2	14.53
		QPSK	1	74	1	0	2	22.91
		16QAM	75	0	75	0	150	19.94
		16QAM	1	0	1	74	2	15.13
		16QAM	1	74	1	0	2	22.38
		64QAM	75	0	75	0	150	19.93
		64QAM	1	0	1	74	2	14.83
		64QAM	1	74	1	0	2	20.21
21225	21375	QPSK	75	0	75	0	150	20.69
		QPSK	1	0	1	74	2	14.13
		QPSK	1	74	1	0	2	22.79
		16QAM	75	0	75	0	150	19.73
		16QAM	1	0	1	74	2	14.53
		16QAM	1	74	1	0	2	22.24
		64QAM	75	0	75	0	150	19.73
		64QAM	1	0	1	74	2	14.41
		64QAM	1	74	1	0	2	20.13

Combination 15MHz+10MHz (75RB+50RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
20825	20945	QPSK	75	0	50	0	125	21.29
		QPSK	1	0	1	49	2	14.66
		QPSK	1	74	1	0	2	23.31
		16QAM	75	0	50	0	125	20.36
		16QAM	1	0	1	49	2	15.21
		16QAM	1	74	1	0	2	22.83
		64QAM	75	0	50	0	125	20.35
		64QAM	1	0	1	49	2	18.12
		64QAM	1	74	1	0	2	20.65
21051	21171	QPSK	75	0	50	0	125	20.78
		QPSK	1	0	1	49	2	14.51
		QPSK	1	74	1	0	2	22.86
		16QAM	75	0	50	0	125	19.94
		16QAM	1	0	1	49	2	15.12
		16QAM	1	74	1	0	2	22.36
		64QAM	75	0	50	0	125	19.96
		64QAM	1	0	1	49	2	14.85
		64QAM	1	74	1	0	2	20.21
21277	21397	QPSK	75	0	50	0	125	20.7
		QPSK	1	0	1	49	2	14.14
		QPSK	1	74	1	0	2	22.82
		16QAM	75	0	50	0	125	19.81
		16QAM	1	0	1	49	2	14.53
		16QAM	1	74	1	0	2	22.27
		64QAM	75	0	50	0	125	19.8
		64QAM	1	0	1	49	2	14.44
		64QAM	1	74	1	0	2	20.16

CA_38C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
37850	38048	QPSK	0	0	1	99	1	23.12
			1	0	0	0	1	23.11
			100	0	0	0	100	22.23
			100	0	100	0	200	21.26
			1	0	1	99	2	14.82
			1	0	1	0	2	18.68
			1	99	1	0	2	23.16
			100	0	1	99	101	19.84
		16QAM	0	0	1	99	1	22.53
			1	0	0	0	1	22.24
			100	0	0	0	100	21.34
			100	0	100	0	200	20.33
			1	0	1	99	2	14.93
			1	0	1	0	2	18.81
			1	99	1	0	2	22.2
			100	0	1	99	101	19.96
		64QAM	0	0	1	99	1	21.17
			1	0	0	0	1	20.83
			100	0	0	0	100	20.31
			100	0	100	0	200	20.28
			1	0	1	99	2	14.53
			1	0	1	0	2	18.41
			1	99	1	0	2	19.88
			100	0	1	99	101	19.73

37901	38099	QPSK	0	0	1	99	1	23.29
			1	0	0	0	1	23.11
			100	0	0	0	100	22.25
			100	0	100	0	200	21.27
			1	0	1	99	2	14.86
			1	0	1	0	2	18.74
			1	99	1	0	2	23.11
			100	0	1	99	101	19.8
		16QAM	0	0	1	99	1	22.37
			1	0	0	0	1	22.35
			100	0	0	0	100	21.33
			100	0	100	0	200	20.33
			1	0	1	99	2	14.92
			1	0	1	0	2	18.88
			1	99	1	0	2	22.15
			100	0	1	99	101	19.91
		64QAM	0	0	1	99	1	20.99
			1	0	0	0	1	20.94
			100	0	0	0	100	20.31
			100	0	100	0	200	20.29
			1	0	1	99	2	14.52
			1	0	1	0	2	18.46
			1	99	1	0	2	19.83
			100	0	1	99	101	19.68

37952	38150	QPSK	0	0	1	99	1	23.16
			1	0	0	0	1	23.15
			100	0	0	0	100	22.28
			100	0	100	0	200	21.21
			1	0	1	99	2	14.82
			1	0	1	0	2	18.7
			1	99	1	0	2	23.2
			100	0	1	99	101	19.85
		16QAM	0	0	1	99	1	22.47
			1	0	0	0	1	22.23
			100	0	0	0	100	21.35
			100	0	100	0	200	20.39
			1	0	1	99	2	14.93
			1	0	1	0	2	18.84
			1	99	1	0	2	22.22
			100	0	1	99	101	19.94
		64QAM	0	0	1	99	1	21.07
			1	0	0	0	1	20.87
			100	0	0	0	100	20.36
			100	0	100	0	200	20.36
			1	0	1	99	2	14.53
			1	0	1	0	2	18.42
			1	99	1	0	2	19.89
			100	0	1	99	101	19.72

CA_38C								
Combination 15MHz+15MHz (75RB+75RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
37825	37975	QPSK	75	0	75	0	150	21.15
		QPSK	1	0	1	74	2	14.53
		QPSK	1	74	1	0	2	23.04
		16QAM	75	0	75	0	150	20.13
		16QAM	1	0	1	74	2	14.66
		16QAM	1	74	1	0	2	22.07
		64QAM	75	0	75	0	150	20.12
		64QAM	1	0	1	74	2	14.28
		64QAM	1	74	1	0	2	19.76
37925	38075	QPSK	75	0	75	0	150	21.21
		QPSK	1	0	1	74	2	14.83
		QPSK	1	74	1	0	2	23.13
		16QAM	75	0	75	0	150	20.21
		16QAM	1	0	1	74	2	14.73
		16QAM	1	74	1	0	2	22.13
		64QAM	75	0	75	0	150	20.23
		64QAM	1	0	1	74	2	14.32
		64QAM	1	74	1	0	2	19.83
38025	38175	QPSK	75	0	75	0	150	21.23
		QPSK	1	0	1	74	2	14.77
		QPSK	1	74	1	0	2	23.26
		16QAM	75	0	75	0	150	14.79
		16QAM	1	0	1	74	2	22.15
		16QAM	1	74	1	0	2	22.29
		64QAM	75	0	75	0	150	20.26
		64QAM	1	0	1	74	2	14.66
		64QAM	1	74	1	0	2	19.98

CA_41C								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39948	QPSK	0	0	1	99	1	22.83
			1	0	0	0	1	22.86
			100	0	0	0	100	21.93
			100	0	100	0	200	21.02
			1	0	1	99	2	14.45
			1	0	1	0	2	18.59
			1	99	1	0	2	23.09
			100	0	1	99	101	19.35
		16QAM	0	0	1	99	1	21.95
			1	0	0	0	1	22.09
			100	0	0	0	100	21.15
			100	0	100	0	200	20.17
			1	0	1	99	2	14.57
			1	0	1	0	2	18.75
			1	99	1	0	2	22.14
			100	0	1	99	101	19.59
		64QAM	0	0	1	99	1	20.56
			1	0	0	0	1	20.69
			100	0	0	0	100	20.11
			100	0	100	0	200	20.17
			1	0	1	99	2	14.16
			1	0	1	0	2	18.32
			1	99	1	0	2	19.81
			100	0	1	99	101	19.38

40521	40719	QPSK	0	0	1	99	1	22.58
			1	0	0	0	1	23.01
			100	0	0	0	100	22.12
			100	0	100	0	200	21.05
			1	0	1	99	2	14.32
			1	0	1	0	2	18.61
			1	99	1	0	2	23.05
			100	0	1	99	101	19.41
		16QAM	0	0	1	99	1	21.85
			1	0	0	0	1	22.12
			100	0	0	0	100	21.08
			100	0	100	0	200	20.05
			1	0	1	99	2	14.58
			1	0	1	0	2	18.62
			1	99	1	0	2	22.08
			100	0	1	99	101	19.58
		64QAM	0	0	1	99	1	20.35
			1	0	0	0	1	20.71
			100	0	0	0	100	20.05
			100	0	100	0	200	20.08
			1	0	1	99	2	14.01
			1	0	1	0	2	18.32
			1	99	1	0	2	19.81
			100	0	1	99	101	19.32

41292	41490	QPSK	0	0	1	99	1	22.66
			1	0	0	0	1	23.22
			100	0	0	0	100	22.24
			100	0	100	0	200	21.03
			1	0	1	99	2	14.48
			1	0	1	0	2	18.72
			1	99	1	0	2	23.08
			100	0	1	99	101	19.47
		16QAM	0	0	1	99	1	21.85
			1	0	0	0	1	22.12
			100	0	0	0	100	21.16
			100	0	100	0	200	20.06
			1	0	1	99	2	14.61
			1	0	1	0	2	18.69
			1	99	1	0	2	22.15
			100	0	1	99	101	19.62
		64QAM	0	0	1	99	1	20.49
			1	0	0	0	1	20.72
			100	0	0	0	100	20.15
			100	0	100	0	200	20.02
			1	0	1	99	2	14.09
			1	0	1	0	2	18.34
			1	99	1	0	2	19.82
			100	0	1	99	101	19.36

CA_41C								
Combination 20MHz+15MHz (100RB+75RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39750	39921	QPSK	100	0	75	0	175	21.07
		QPSK	1	0	1	74	2	14.46
		QPSK	1	99	1	0	2	23.04
		16QAM	100	0	75	0	175	20.17
		16QAM	1	0	1	74	2	14.59
		16QAM	1	99	1	0	2	22.08
		64QAM	100	0	75	0	175	20.15
		64QAM	1	0	1	74	2	14.19
		64QAM	1	99	1	0	2	19.79
40546	40717	QPSK	100	0	75	0	175	21.04
		QPSK	1	0	1	74	2	14.53
		QPSK	1	99	1	0	2	22.93
		16QAM	100	0	75	0	175	20.11
		16QAM	1	0	1	74	2	14.62
		16QAM	1	99	1	0	2	21.98
		64QAM	100	0	75	0	175	20.08
		64QAM	1	0	1	74	2	14.24
		64QAM	1	99	1	0	2	19.64
41341	41512	QPSK	100	0	75	0	175	21.03
		QPSK	1	0	1	74	2	14.56
		QPSK	1	99	1	0	2	23.06
		16QAM	100	0	75	0	175	20.03
		16QAM	1	0	1	74	2	14.57
		16QAM	1	99	1	0	2	22.02
		64QAM	100	0	75	0	175	20.04
		64QAM	1	0	1	74	2	14.18
		64QAM	1	99	1	0	2	20.05

Combination 15MHz+20MHz (75RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
39728	39899	QPSK	75	0	100	0	175	21.1
		QPSK	1	0	1	99	2	14.47
		QPSK	1	74	1	0	2	23.07
		16QAM	75	0	100	0	175	20.19
		16QAM	1	0	1	99	2	14.6
		16QAM	1	74	1	0	2	22.07
		64QAM	75	0	100	0	175	20.16
		64QAM	1	0	1	99	2	14.21
		64QAM	1	74	1	0	2	19.81
40523	40694	QPSK	75	0	100	0	175	20.99
		QPSK	1	0	1	99	2	14.5
		QPSK	1	74	1	0	2	22.86
		16QAM	75	0	100	0	175	20.1
		16QAM	1	0	1	99	2	14.6
		16QAM	1	74	1	0	2	21.96
		64QAM	75	0	100	0	175	20.07
		64QAM	1	0	1	99	2	14.21
		64QAM	1	74	1	0	2	19.65
41319	41490	QPSK	75	0	100	0	175	21.01
		QPSK	1	0	1	99	2	14.57
		QPSK	1	74	1	0	2	23.01
		16QAM	75	0	100	0	175	20.08
		16QAM	1	0	1	99	2	14.55
		16QAM	1	74	1	0	2	22.12
		64QAM	75	0	100	0	175	20.02
		64QAM	1	0	1	99	2	14.17
		64QAM	1	74	1	0	2	20.1

Combination 20MHz+10MHz (100RB+50RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
39750	39894	QPSK	100	0	50	0	150	21.12
		QPSK	1	0	1	49	2	14.41
		QPSK	1	99	1	0	2	23.08
		16QAM	100	0	50	0	150	20.19
		16QAM	1	0	1	49	2	14.6
		16QAM	1	99	1	0	2	22.13
		64QAM	100	0	50	0	150	20.16
		64QAM	1	0	1	49	2	14.21
		64QAM	1	99	1	0	2	19.82
40571	40715	QPSK	100	0	50	0	150	21.05
		QPSK	1	0	1	49	2	14.52
		QPSK	1	99	1	0	2	22.92
		16QAM	100	0	50	0	150	20.13
		16QAM	1	0	1	49	2	14.67
		16QAM	1	99	1	0	2	21.95
		64QAM	100	0	50	0	150	20.13
		64QAM	1	0	1	49	2	14.26
		64QAM	1	99	1	0	2	19.62
41391	41535	QPSK	100	0	50	0	150	21.06
		QPSK	1	0	1	49	2	14.58
		QPSK	1	99	1	0	2	23.11
		16QAM	100	0	50	0	150	20.04
		16QAM	1	0	1	49	2	14.56
		16QAM	1	99	1	0	2	22.04
		64QAM	100	0	50	0	150	20.05
		64QAM	1	0	1	49	2	14.16
		64QAM	1	99	1	0	2	20.09

Combination 10MHz+20MHz (50RB+100RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
39705	39849	QPSK	50	0	100	0	150	21.1
		QPSK	1	0	1	99	2	14.57
		QPSK	1	49	1	0	2	23.07
		16QAM	50	0	100	0	150	20.14
		16QAM	1	0	1	99	2	14.56
		16QAM	1	49	1	0	2	22.04
		64QAM	50	0	100	0	150	20.12
		64QAM	1	0	1	99	2	14.13
		64QAM	1	49	1	0	2	19.76
40526	40670	QPSK	50	0	100	0	150	21.12
		QPSK	1	0	1	99	2	14.56
		QPSK	1	49	1	0	2	22.89
		16QAM	50	0	100	0	150	20.13
		16QAM	1	0	1	99	2	14.64
		16QAM	1	49	1	0	2	21.98
		64QAM	50	0	100	0	150	20.13
		64QAM	1	0	1	99	2	14.26
		64QAM	1	49	1	0	2	19.68
41346	41490	QPSK	50	0	100	0	150	21.09
		QPSK	1	0	1	99	2	14.59
		QPSK	1	49	1	0	2	23.21
		16QAM	50	0	100	0	150	20.1
		16QAM	1	0	1	99	2	14.52
		16QAM	1	49	1	0	2	22.04
		64QAM	50	0	100	0	150	20.13
		64QAM	1	0	1	99	2	14.11
		64QAM	1	49	1	0	2	20.08

Combination 20MHz+5MHz (100RB+25RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
39750	39867	QPSK	100	0	25	0	125	21.11
		QPSK	1	0	1	24	2	14.55
		QPSK	1	99	1	0	2	23.05
		16QAM	100	0	25	0	125	20.15
		16QAM	1	0	1	24	2	14.56
		16QAM	1	99	1	0	2	22.01
		64QAM	100	0	25	0	125	20.12
		64QAM	1	0	1	24	2	14.21
		64QAM	1	99	1	0	2	19.82
40595	40712	QPSK	100	0	25	0	125	21.06
		QPSK	1	0	1	24	2	14.56
		QPSK	1	99	1	0	2	22.91
		16QAM	100	0	25	0	125	20.15
		16QAM	1	0	1	24	2	14.62
		16QAM	1	99	1	0	2	22.02
		64QAM	100	0	25	0	125	20.16
		64QAM	1	0	1	24	2	14.29
		64QAM	1	99	1	0	2	19.71
41440	41557	QPSK	100	0	25	0	125	21.03
		QPSK	1	0	1	24	2	14.5
		QPSK	1	99	1	0	2	23.18
		16QAM	100	0	25	0	125	20.09
		16QAM	1	0	1	24	2	14.63
		16QAM	1	99	1	0	2	22.01
		64QAM	100	0	25	0	125	20.01
		64QAM	1	0	1	24	2	14.29
		64QAM	1	99	1	0	2	20.06

Combination 5MHz+20MHz (25RB+100RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
39683	39800	QPSK	25	0	100	0	125	21.01
		QPSK	1	0	1	99	2	14.45
		QPSK	1	24	1	0	2	23.08
		16QAM	25	0	100	0	125	20.15
		16QAM	1	0	1	99	2	14.56
		16QAM	1	24	1	0	2	21.98
		64QAM	25	0	100	0	125	20.13
		64QAM	1	0	1	99	2	14.21
		64QAM	1	24	1	0	2	19.78
40528	40645	QPSK	25	0	100	0	125	21.18
		QPSK	1	0	1	99	2	14.52
		QPSK	1	24	1	0	2	22.88
		16QAM	25	0	100	0	125	20.15
		16QAM	1	0	1	99	2	14.69
		16QAM	1	24	1	0	2	22.01
		64QAM	25	0	100	0	125	20.16
		64QAM	1	0	1	99	2	14.29
		64QAM	1	24	1	0	2	19.68
41373	41490	QPSK	25	0	100	0	125	21.09
		QPSK	1	0	1	99	2	14.52
		QPSK	1	24	1	0	2	23.05
		16QAM	25	0	100	0	125	20.24
		16QAM	1	0	1	99	2	14.53
		16QAM	1	24	1	0	2	22.06
		64QAM	25	0	100	0	125	20.27
		64QAM	1	0	1	99	2	14.16
		64QAM	1	24	1	0	2	20.08

Combination 15MHz+15MHz (75RB+75RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
39725	39875	QPSK	75	0	75	0	150	21.13
		QPSK	1	0	1	74	2	14.52
		QPSK	1	74	1	0	2	23.1
		16QAM	75	0	75	0	150	20.23
		16QAM	1	0	1	74	2	14.65
		16QAM	1	74	1	0	2	22.14
		64QAM	75	0	75	0	150	20.21
		64QAM	1	0	1	74	2	14.25
		64QAM	1	74	1	0	2	19.85
40545	40695	QPSK	75	0	75	0	150	21.1
		QPSK	1	0	1	74	2	14.59
		QPSK	1	74	1	0	2	22.99
		16QAM	75	0	75	0	150	20.17
		16QAM	1	0	1	74	2	14.68
		16QAM	1	74	1	0	2	22.04
		64QAM	75	0	75	0	150	20.14
		64QAM	1	0	1	74	2	14.3
		64QAM	1	74	1	0	2	19.7
41365	41515	QPSK	75	0	75	0	150	21.09
		QPSK	1	0	1	74	2	14.62
		QPSK	1	74	1	0	2	23.12
		16QAM	75	0	75	0	150	20.09
		16QAM	1	0	1	74	2	14.63
		16QAM	1	74	1	0	2	22.08
		64QAM	75	0	75	0	150	20.1
		64QAM	1	0	1	74	2	14.24
		64QAM	1	74	1	0	2	20.11

Combination 15MHz+10MHz (75RB+50RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
39725	39845	QPSK	75	0	50	0	125	21.1
		QPSK	1	0	1	49	2	14.47
		QPSK	1	74	1	0	2	23.05
		16QAM	75	0	50	0	125	20.24
		16QAM	1	0	1	49	2	14.62
		16QAM	1	74	1	0	2	22.12
		64QAM	75	0	50	0	125	20.22
		64QAM	1	0	1	49	2	14.21
		64QAM	1	74	1	0	2	19.82
40571	40691	QPSK	75	0	50	0	125	21.06
		QPSK	1	0	1	49	2	14.5
		QPSK	1	74	1	0	2	22.94
		16QAM	75	0	50	0	125	20.17
		16QAM	1	0	1	49	2	14.65
		16QAM	1	74	1	0	2	22.03
		64QAM	75	0	50	0	125	20.11
		64QAM	1	0	1	49	2	14.27
		64QAM	1	74	1	0	2	19.67
41417	41537	QPSK	75	0	50	0	125	21.16
		QPSK	1	0	1	49	2	14.59
		QPSK	1	74	1	0	2	23.21
		16QAM	75	0	50	0	125	20.06
		16QAM	1	0	1	49	2	14.6
		16QAM	1	74	1	0	2	22.27
		64QAM	75	0	50	0	125	20.07
		64QAM	1	0	1	49	2	14.21
		64QAM	1	74	1	0	2	20.08

Combination 10MHz+15MHz (50RB+75RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
Channel	Channel		RB Size	RB offset	RB Size	RB offset		
39703	39823	QPSK	50	0	75	0	125	21.11
		QPSK	1	49	1	0	2	14.5
		QPSK	1	0	1	74	2	23.08
		16QAM	50	0	75	0	125	20.21
		16QAM	1	49	1	0	2	14.63
		16QAM	1	0	1	74	2	22.12
		64QAM	50	0	75	0	125	20.19
		64QAM	1	49	1	0	2	14.23
		64QAM	1	0	1	74	2	19.83
40549	40669	QPSK	50	0	75	0	125	21.08
		QPSK	1	49	1	0	2	14.57
		QPSK	1	0	1	74	2	22.97
		16QAM	50	0	75	0	125	20.15
		16QAM	1	49	1	0	2	14.66
		16QAM	1	0	1	74	2	22.02
		64QAM	50	0	75	0	125	20.12
		64QAM	1	49	1	0	2	14.28
		64QAM	1	0	1	74	2	19.68
41395	41515	QPSK	50	0	75	0	125	21.07
		QPSK	1	49	1	0	2	14.6
		QPSK	1	0	1	74	2	23.1
		16QAM	50	0	75	0	125	20.07
		16QAM	1	49	1	0	2	14.61
		16QAM	1	0	1	74	2	22.06
		64QAM	50	0	75	0	125	20.08
		64QAM	1	49	1	0	2	14.22
		64QAM	1	0	1	74	2	20.09

ERP/EIRP

LTE Band 2 (G_T - L_C = 1.61 dB) QPSK									
Bandwidth	1.4M			3M			5M		
Channel	18607	18900	19193	18615	18900	19185	18625	18900	19175
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1850.7	1880	1909.3	1851.5	1880	1908.5	1852.5	1880	1907.5
Conducted Power (dBm)	22.51	22.51	22.75	22.62	22.61	22.84	22.56	22.52	22.77
Conducted Power (Watts)	0.1782	0.1782	0.1884	0.1828	0.1824	0.1923	0.1803	0.1786	0.1892
EIRP(dBm)	24.12	24.12	24.36	24.23	24.22	24.45	24.17	24.13	24.38
EIRP(Watts)	0.2582	0.2582	0.2729	0.2649	0.2642	0.2786	0.2612	0.2588	0.2742

LTE Band 2 (G_T - L_C = 1.61 dB) QPSK									
Bandwidth	10M			15M			20M		
Channel	18650	18900	19150	18675	18900	19125	18650	18900	19100
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1855	1880	1905	1857.5	1880	1902.5	1860	1880	1900
Conducted Power (dBm)	22.64	22.56	22.89	22.69	22.65	22.83	22.76	22.63	22.90
Conducted Power (Watts)	0.1837	0.1803	0.1945	0.1858	0.1841	0.1919	0.1888	0.1832	0.1950
EIRP(dBm)	24.25	24.17	24.50	24.30	24.26	24.44	24.37	24.24	24.51
EIRP(Watts)	0.2661	0.2612	0.2818	0.2692	0.2667	0.2780	0.2735	0.2655	0.2825

LTE Band 2 (G_T - L_C = 1.61 dB) 16QAM									
Bandwidth	1.4M			3M			5M		
Channel	18607	18900	19193	18615	18900	19185	18625	18900	19175
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1850.7	1880	1909.3	1851.5	1880	1908.5	1852.5	1880	1907.5
Conducted Power (dBm)	21.90	21.88	22.08	22.00	21.98	22.22	21.93	21.89	22.09
Conducted Power (Watts)	0.1549	0.1542	0.1614	0.1585	0.1578	0.1667	0.1560	0.1545	0.1618
EIRP(dBm)	23.51	23.49	23.69	23.61	23.59	23.83	23.54	23.50	23.70
EIRP(Watts)	0.2244	0.2234	0.2339	0.2296	0.2286	0.2415	0.2259	0.2239	0.2344

LTE Band 2 (G_T - L_C = 1.61 dB) 16QAM									
Bandwidth	10M			15M			20M		
Channel	18650	18900	19150	18675	18900	19125	18650	18900	19100
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1855	1880	1905	1857.5	1880	1902.5	1860	1880	1900
Conducted Power (dBm)	21.95	21.98	22.24	22.05	22.01	22.19	22.12	21.97	22.18
Conducted Power (Watts)	0.1567	0.1578	0.1675	0.1603	0.1589	0.1656	0.1629	0.1574	0.1652
EIRP(dBm)	23.56	23.59	23.85	23.66	23.62	23.80	23.73	23.58	23.79
EIRP(Watts)	0.2270	0.2286	0.2427	0.2323	0.2301	0.2399	0.2360	0.2280	0.2393

LTE Band 2 (G_T - L_C = 1.61 dB) 64QAM									
Bandwidth	1.4M			3M			5M		
Channel	18607	18900	19193	18615	18900	19185	18625	18900	19175
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1850.7	1880	1909.3	1851.5	1880	1908.5	1852.5	1880	1907.5
Conducted Power (dBm)	20.82	20.81	21.01	20.83	20.76	21.04	20.83	20.85	21.04
Conducted Power (Watts)	0.1208	0.1205	0.1262	0.1211	0.1191	0.1271	0.1211	0.1216	0.1271
EIRP(dBm)	22.43	22.42	22.62	22.44	22.37	22.65	22.44	22.46	22.65
EIRP(Watts)	0.1750	0.1746	0.1828	0.1754	0.1726	0.1841	0.1754	0.1762	0.1841

LTE Band 2 (G_T - L_C = 1.61 dB) 64QAM									
Bandwidth	10M			15M			20M		
Channel	18650	18900	19150	18675	18900	19125	18650	18900	19100
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1855	1880	1905	1857.5	1880	1902.5	1860	1880	1900
Conducted Power (dBm)	20.84	20.81	21.13	20.95	20.91	21.13	21.05	20.91	21.12
Conducted Power (Watts)	0.1213	0.1205	0.1297	0.1245	0.1233	0.1297	0.1274	0.1233	0.1294
EIRP(dBm)	22.45	22.42	22.74	22.56	22.52	22.74	22.66	22.52	22.73
EIRP(Watts)	0.1758	0.1746	0.1879	0.1803	0.1786	0.1879	0.1845	0.1786	0.1875

LTE Band 4 (G_T - L_C = 0.15 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)	22.51	22.79	22.85	22.62	22.79	22.83	22.58	22.74	22.98
Conducted Power (Watts)	0.1782	0.1901	0.1928	0.1828	0.1901	0.1919	0.1811	0.1879	0.1986
EIRP(dBm)	22.66	22.94	23.00	22.77	22.94	22.98	22.73	22.89	23.13
EIRP(Watts)	0.1845	0.1968	0.1995	0.1892	0.1968	0.1986	0.1875	0.1945	0.2056

LTE Band 4 (G_T - L_C = 0.15 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)	22.66	22.67	22.92	22.73	22.87	23.02	22.76	22.93	23.09
Conducted Power (Watts)	0.1845	0.1849	0.1959	0.1875	0.1936	0.2004	0.1888	0.1963	0.2037
EIRP(dBm)	22.81	22.82	23.07	22.88	23.02	23.17	22.91	23.08	23.24
EIRP(Watts)	0.1910	0.1914	0.2028	0.1941	0.2004	0.2075	0.1954	0.2032	0.2109

LTE Band 4 (G_T - L_C = 0.15 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)	21.89	22.14	22.19	21.96	22.13	22.21	21.95	22.11	22.37
Conducted Power (Watts)	0.1545	0.1637	0.1656	0.1570	0.1633	0.1663	0.1567	0.1626	0.1726
EIRP(dBm)	22.04	22.29	22.34	22.11	22.28	22.36	22.10	22.26	22.52
EIRP(Watts)	0.1600	0.1694	0.1714	0.1626	0.1690	0.1722	0.1622	0.1683	0.1786

LTE Band 4 (G_T - L_C = 0.15 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)	21.99	22.04	22.28	22.10	22.16	22.40	22.11	22.21	22.44
Conducted Power (Watts)	0.1581	0.1600	0.1690	0.1622	0.1644	0.1738	0.1626	0.1663	0.1754
EIRP(dBm)	22.14	22.19	22.43	22.25	22.31	22.55	22.26	22.36	22.59
EIRP(Watts)	0.1637	0.1656	0.1750	0.1679	0.1702	0.1799	0.1683	0.1722	0.1816

LTE Band 4 (G_T - L_C = 0.15 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)	20.78	21.08	21.09	20.82	20.97	21.12	20.87	21.04	21.22
Conducted Power (Watts)	0.1197	0.1282	0.1285	0.1208	0.1250	0.1294	0.1222	0.1271	0.1324
EIRP(dBm)	20.93	21.23	21.24	20.97	21.12	21.27	21.02	21.19	21.37
EIRP(Watts)	0.1239	0.1327	0.1330	0.1250	0.1294	0.1340	0.1265	0.1315	0.1371

LTE Band 4 (G_T - L_C = 0.15 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)	20.95	20.96	21.18	21.00	21.09	21.35	21.04	21.11	21.32
Conducted Power (Watts)	0.1245	0.1247	0.1312	0.1259	0.1285	0.1365	0.1271	0.1291	0.1355
EIRP(dBm)	21.10	21.11	21.33	21.15	21.24	21.50	21.19	21.26	21.47
EIRP(Watts)	0.1288	0.1291	0.1358	0.1303	0.1330	0.1413	0.1315	0.1337	0.1403

LTE Band 5 (G_T - L_C = 0.37 dB) QPSK									
Bandwidth	1.4M			3M			5M		
Channel	20407	20525	20643	20415	20525	20635	20425	20525	20625
	(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)	22.56	22.41	22.63	22.57	22.42	22.66	22.54	22.45	22.65
Conducted Power (Watts)	0.1803	0.1742	0.1832	0.1807	0.1746	0.1845	0.1795	0.1758	0.1841
ERP(dBm)	20.78	20.63	20.85	20.79	20.64	20.88	20.76	20.67	20.87
ERP(Watts)	0.1197	0.1156	0.1216	0.1199	0.1159	0.1225	0.1191	0.1167	0.1222

LTE Band 5 (G_T - L_C = 0.37 dB) QPSK			
Bandwidth	10M		
Channel	20450	20525	20600
	(Low)	(Mid)	(High)
Frequency (MHz)	829	836.5	844
Conducted Power (dBm)	22.67	22.56	22.62
Conducted Power (Watts)	0.1849	0.1803	0.1828
ERP(dBm)	20.89	20.78	20.84
ERP(Watts)	0.1227	0.1197	0.1213

LTE Band 5 (G_T - L_C = 0.37 dB) 16QAM									
Bandwidth	1.4M			3M			5M		
Channel	20407	20525	20643	20415	20525	20635	20425	20525	20625
	(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)	21.84	21.70	22.00	21.83	21.71	22.01	21.85	21.74	22.01
Conducted Power (Watts)	0.1528	0.1479	0.1585	0.1524	0.1483	0.1589	0.1531	0.1493	0.1589
ERP(dBm)	20.06	19.92	20.22	20.05	19.93	20.23	20.07	19.96	20.23
ERP(Watts)	0.1014	0.0982	0.1052	0.1012	0.0984	0.1054	0.1016	0.0991	0.1054

LTE Band 5 (G_T - L_C = 0.37 dB) 16QAM			
Bandwidth	10M		
Channel	20450	20525	20600
	(Low)	(Mid)	(High)
Frequency (MHz)	829	836.5	844
Conducted Power (dBm)	21.98	21.91	21.92
Conducted Power (Watts)	0.1578	0.1552	0.1556
ERP(dBm)	20.20	20.13	20.14
ERP(Watts)	0.1047	0.1030	0.1033

LTE Band 5 (G_T - L_C = 0.37 dB) 64QAM									
Bandwidth	1.4M			3M			5M		
Channel	20407	20525	20643	20415	20525	20635	20425	20525	20625
	(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)	20.76	20.64	20.85	20.80	20.64	20.93	20.87	20.66	20.92
Conducted Power (Watts)	0.1191	0.1159	0.1216	0.1202	0.1159	0.1239	0.1222	0.1164	0.1236
ERP(dBm)	18.98	18.86	19.07	19.02	18.86	19.15	19.09	18.88	19.14
ERP(Watts)	0.0791	0.0769	0.0807	0.0798	0.0769	0.0822	0.0811	0.0773	0.0820

LTE Band 5 (G_T - L_C = 0.37 dB) 64QAM			
Bandwidth	10M		
Channel	20450	20525	20600
	(Low)	(Mid)	(High)
Frequency (MHz)	829	836.5	844
Conducted Power (dBm)	20.90	20.81	20.82
Conducted Power (Watts)	0.1230	0.1205	0.1208
ERP(dBm)	19.12	19.03	19.04
ERP(Watts)	0.0817	0.0800	0.0802

LTE Band 7 (G_T - L_C = -0.76 dB) QPSK			
Bandwidth	5M		
Channel	20775	21100	21425
	(Low)	(Mid)	(High)
Frequency (MHz)	2502.5	2535	2567.5
Conducted Power (dBm)	22.48	22.71	22.66
Conducted Power (Watts)	0.1770	0.1866	0.1845
EIRP(dBm)	21.72	21.95	21.90
EIRP(Watts)	0.1486	0.1567	0.1549

LTE Band 7 (G_T - L_C = -0.76 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)	22.52	22.73	22.69	22.61	22.68	22.70	22.64	22.70	22.84
Conducted Power (Watts)	0.1786	0.1875	0.1858	0.1824	0.1854	0.1862	0.1837	0.1862	0.1923
EIRP(dBm)	21.76	21.97	21.93	21.85	21.92	21.94	21.88	21.94	22.08
EIRP(Watts)	0.1500	0.1574	0.1560	0.1531	0.1556	0.1563	0.1542	0.1563	0.1614

LTE Band 7 (G_T - L_C = -0.76 dB) 16QAM			
Bandwidth	5M		
Channel	20775	21100	21425
	(Low)	(Mid)	(High)
Frequency (MHz)	2502.5	2535	2567.5
Conducted Power (dBm)	21.83	22.00	22.03
Conducted Power (Watts)	0.1524	0.1585	0.1596
EIRP(dBm)	21.07	21.24	21.27
EIRP(Watts)	0.1279	0.1330	0.1340

LTE Band 7 (G_T - L_C = -0.76 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)	21.88	22.07	22.02	21.92	22.04	22.08	21.99	22.03	22.14
Conducted Power (Watts)	0.1542	0.1611	0.1592	0.1556	0.1600	0.1614	0.1581	0.1596	0.1637
EIRP(dBm)	21.12	21.31	21.26	21.16	21.28	21.32	21.23	21.27	21.38
EIRP(Watts)	0.1294	0.1352	0.1337	0.1306	0.1343	0.1355	0.1327	0.1340	0.1374

LTE Band 7 (G_T - L_C = -0.76 dB) 64QAM			
Bandwidth	5M		
Channel	20775	21100	21425
	(Low)	(Mid)	(High)
Frequency (MHz)	2502.5	2535	2567.5
Conducted Power (dBm)	20.80	20.97	20.98
Conducted Power (Watts)	0.1202	0.1250	0.1253
EIRP(dBm)	20.04	20.21	20.22
EIRP(Watts)	0.1009	0.1050	0.1052

LTE Band 7 (G_T - L_C = -0.76 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)	20.84	21.02	20.89	20.93	20.98	20.95	20.92	20.98	21.07
Conducted Power (Watts)	0.1213	0.1265	0.1227	0.1239	0.1253	0.1245	0.1236	0.1253	0.1279
EIRP(dBm)	20.08	20.26	20.13	20.17	20.22	20.19	20.16	20.22	20.31
EIRP(Watts)	0.1019	0.1062	0.1030	0.1040	0.1052	0.1045	0.1038	0.1052	0.1074

LTE Band 7 CA (G_T - L_C = -0.76 dB) QPSK									
Bandwidth	15M + 15M			10M + 20M			20M+10M		
Channel PCC	20825	21025	21225	20805	21006	21206	20850	21051	21251
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	20975	21175	21375	20949	21150	21350	20994	21195	21395
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.24	22.91	22.79	23.29	22.96	22.79	23.25	22.86	22.86
Conducted Power (Watts)	0.2109	0.1954	0.1901	0.2133	0.1977	0.1901	0.2113	0.1932	0.1932
EIRP(dBm)	22.48	22.15	22.03	22.53	22.20	22.03	22.49	22.10	22.10
EIRP(Watts)	0.1770	0.1641	0.1596	0.1791	0.1660	0.1596	0.1774	0.1622	0.1622

LTE Band 7 CA (G_T - L_C = -0.76 dB) QPSK									
Bandwidth	15M+20M			20M+15M			20M + 20M		
Channel PCC	20828	21003	21179	20850	21026	21201	20850	21001	21152
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	20999	21174	21350	21021	21197	21372	21048	21199	21350
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.30	22.92	22.79	23.21	22.9	22.83	23.02	23.35	23.01
Conducted Power (Watts)	0.2138	0.1959	0.1901	0.2094	0.1950	0.1919	0.2004	0.2163	0.2000
EIRP(dBm)	22.54	22.16	22.03	22.45	22.14	22.07	22.26	22.59	22.25
EIRP(Watts)	0.1795	0.1644	0.1596	0.1758	0.1637	0.1611	0.1683	0.1816	0.1679

LTE Band 7 CA (G_T - L_C = -0.76 dB) 16QAM									
Bandwidth	15M + 15M			10M + 20M			20M+10M		
Channel PCC	20825	21025	21225	20805	21006	21206	20850	21051	21251
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	20975	21175	21375	20949	21150	21350	20994	21195	21395
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	22.92	22.38	22.24	22.85	22.43	22.21	22.86	22.31	22.28
Conducted Power (Watts)	0.1959	0.1730	0.1675	0.1928	0.1750	0.1663	0.1932	0.1702	0.1690
EIRP(dBm)	22.16	21.62	21.48	22.09	21.67	21.45	22.10	21.55	21.52
EIRP(Watts)	0.1644	0.1452	0.1406	0.1618	0.1469	0.1396	0.1622	0.1429	0.1419

LTE Band 7 CA (G_T - L_C = -0.76 dB) 16QAM									
Bandwidth	15M+20M			20M+15M			20M + 20M		
Channel PCC	20828	21003	21179	20850	21026	21201	20850	21001	21152
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	20999	21174	21350	21021	21197	21372	21048	21199	21350
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	22.84	22.39	22.21	22.82	22.4	22.26	22.84	22.78	22.31
Conducted Power (Watts)	0.1923	0.1734	0.1663	0.1914	0.1738	0.1683	0.1923	0.1897	0.1702
EIRP(dBm)	22.08	21.63	21.45	22.06	21.64	21.50	22.08	22.02	21.55
EIRP(Watts)	0.1614	0.1455	0.1396	0.1607	0.1459	0.1413	0.1614	0.1592	0.1429

LTE Band 7 CA (G_T - L_C = -0.76 dB) 64QAM									
Bandwidth	15M + 15M			10M + 20M			20M+10M		
Channel PCC	20825	21025	21225	20805	21006	21206	20850	21051	21251
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	20975	21175	21375	20949	21150	21350	20994	21195	21395
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	20.72	20.21	20.13	20.75	22.25	20.09	20.72	22.22	20.16
Conducted Power (Watts)	0.1180	0.1050	0.1030	0.1189	0.1679	0.1021	0.1180	0.1667	0.1038
EIRP(dBm)	19.96	19.45	19.37	19.99	21.49	19.33	19.96	21.46	19.40
EIRP(Watts)	0.0991	0.0881	0.0865	0.0998	0.1409	0.0857	0.0991	0.1400	0.0871

LTE Band 7 CA (G_T - L_C = -0.76 dB) 64QAM									
Bandwidth	15M+20M			20M+15M			20M + 20M		
Channel PCC	20828	21003	21179	20850	21026	21201	20850	21001	21152
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	20999	21174	21350	21021	21197	21372	21048	21199	21350
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	20.74	20.19	20.09	20.68	20.23	20.12	21.48	21.55	21.14
Conducted Power (Watts)	0.1186	0.1045	0.1021	0.1169	0.1054	0.1028	0.1406	0.1429	0.1300
EIRP(dBm)	19.98	19.43	19.33	19.92	19.47	19.36	20.72	20.79	20.38
EIRP(Watts)	0.0995	0.0877	0.0857	0.0982	0.0885	0.0863	0.1180	0.1199	0.1091

LTE Band 7 CA (G_T - L_C = -0.76 dB) QPSK			
Bandwidth	15M + 10M		
Channel PCC	20825	21025	21225
	(Low)	(Mid)	(High)
Channel SCC	20975	21175	21375
	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.31	22.86	22.82
Conducted Power (Watts)	0.2143	0.1932	0.1914
EIRP(dBm)	22.55	22.10	22.06
EIRP(Watts)	0.1799	0.1622	0.1607

LTE Band 7 CA (G_T - L_C = -0.76 dB) 16QAM			
Bandwidth	15M + 10M		
Channel PCC	20825	21025	21225
	(Low)	(Mid)	(High)
Channel SCC	20975	21175	21375
	(Low)	(Mid)	(High)
Conducted Power (dBm)	22.83	22.36	22.27
Conducted Power (Watts)	0.1919	0.1722	0.1687
EIRP(dBm)	22.07	21.60	21.51
EIRP(Watts)	0.1611	0.1445	0.1416

LTE Band 7 CA (G_T - L_C = -0.76 dB) 64QAM			
Bandwidth	15M + 10M		
Channel PCC	20825	21025	21225
	(Low)	(Mid)	(High)
Channel SCC	20975	21175	21375
	(Low)	(Mid)	(High)
Conducted Power (dBm)	20.65	20.21	20.16
Conducted Power (Watts)	0.1161	0.1050	0.1038
EIRP(dBm)	19.89	19.45	19.40
EIRP(Watts)	0.0975	0.0881	0.0871

LTE Band 12 (G_T - L_C = -4.68 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)	22.46	22.47	22.61	22.46	22.49	22.60	22.57	22.51	22.63
Conducted Power (Watts)	0.1762	0.1766	0.1824	0.1762	0.1774	0.1820	0.1807	0.1782	0.1832
ERP(dBm)	15.63	15.64	15.78	15.63	15.66	15.77	15.74	15.68	15.80
ERP(Watts)	0.0366	0.0366	0.0378	0.0366	0.0368	0.0378	0.0375	0.0370	0.0380

LTE Band 12 (G_T - L_C = -4.68 dB) QPSK			
Bandwidth	10M		
Channel	23060	23095	23130
	(Low)	(Mid)	(High)
Frequency (MHz)	704	707.5	711
Conducted Power (dBm)	22.53	22.50	22.67
Conducted Power (Watts)	0.1791	0.1778	0.1849
ERP(dBm)	15.70	15.67	15.84
ERP(Watts)	0.0372	0.0369	0.0384

LTE Band 12 (G_T - L_C = -4.68 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)	21.78	21.73	21.88	21.76	21.83	21.96	21.85	21.81	21.94
Conducted Power (Watts)	0.1507	0.1489	0.1542	0.1500	0.1524	0.1570	0.1531	0.1517	0.1563
ERP(dBm)	14.95	14.90	15.05	14.93	15.00	15.13	15.02	14.98	15.11
ERP(Watts)	0.0313	0.0309	0.0320	0.0311	0.0316	0.0326	0.0318	0.0315	0.0324

LTE Band 12 (G_T - L_C = -4.68 dB) 16QAM			
Bandwidth	10M		
Channel	23060	23095	23130
	(Low)	(Mid)	(High)
Frequency (MHz)	704	707.5	711
Conducted Power (dBm)	21.90	21.90	21.97
Conducted Power (Watts)	0.1549	0.1549	0.1574
ERP(dBm)	15.07	15.07	15.14
ERP(Watts)	0.0321	0.0321	0.0327

LTE Band 12 (G_T - L_C = -4.68 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)	20.70	20.78	20.83	20.70	20.76	20.87	20.76	20.80	20.91
Conducted Power (Watts)	0.1175	0.1197	0.1211	0.1175	0.1191	0.1222	0.1191	0.1202	0.1233
ERP(dBm)	13.87	13.95	14.00	13.87	13.93	14.04	13.93	13.97	14.08
ERP(Watts)	0.0244	0.0248	0.0251	0.0244	0.0247	0.0254	0.0247	0.0249	0.0256

LTE Band 12 (G_T - L_C = -4.68 dB) 64QAM			
Bandwidth	10M		
Channel	23060	23095	23130
	(Low)	(Mid)	(High)
Frequency (MHz)	704	707.5	711
Conducted Power (dBm)	20.75	20.80	20.97
Conducted Power (Watts)	0.1189	0.1202	0.1250
ERP(dBm)	13.92	13.97	14.14
ERP(Watts)	0.0247	0.0249	0.0259

LTE Band 13 (G_T - L_C = -3.94 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)	22.45	22.51	22.60	-	22.61	-
Conducted Power (Watts)	0.1758	0.1782	0.1820	-	0.1824	-
ERP(dBm)	16.36	16.42	16.51	-	16.52	-
ERP(Watts)	0.0433	0.0439	0.0448	-	0.0449	-

LTE Band 13 (G_T - L_C = -3.94 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)	21.88	21.92	21.83	-	21.92	-
Conducted Power (Watts)	0.1542	0.1556	0.1524	-	0.1556	-
ERP(dBm)	15.79	15.83	15.74	-	15.83	-
ERP(Watts)	0.0379	0.0383	0.0375	-	0.0383	-

LTE Band 13 (G_T - L_C = -3.94 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)	20.79	20.83	20.80	-	20.82	-
Conducted Power (Watts)	0.1199	0.1211	0.1202	-	0.1208	-
ERP(dBm)	14.70	14.74	14.71	-	14.73	-
ERP(Watts)	0.0295	0.0298	0.0296	-	0.0297	-

LTE Band 17 (G_T - L_C = -4.68 dB) QPSK						
Bandwidth	5M			10M		
Channel	23755	23790	23825	23780	23790	23800
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	706.5	710	713.5	709	710	711
Conducted Power (dBm)	22.68	22.52	22.59	22.47	22.46	22.69
Conducted Power (Watts)	0.1854	0.1786	0.1816	0.1766	0.1762	0.1858
ERP(dBm)	15.85	15.69	15.76	15.64	15.63	15.86
ERP(Watts)	0.0385	0.0371	0.0377	0.0366	0.0366	0.0385

LTE Band 17 (G_T - L_C = -4.68 dB) 16QAM						
Bandwidth	5M			10M		
Channel	23755	23790	23825	23780	23790	23800
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	706.5	710	713.5	709	710	711
Conducted Power (dBm)	21.99	21.85	21.90	21.79	21.78	21.99
Conducted Power (Watts)	0.1581	0.1531	0.1549	0.1510	0.1507	0.1581
ERP(dBm)	15.16	15.02	15.07	14.96	14.95	15.16
ERP(Watts)	0.0328	0.0318	0.0321	0.0313	0.0313	0.0328

LTE Band 17 (G_T - L_C = -4.68 dB) 64QAM						
Bandwidth	**5M**			**10M**		
Channel	**23755**	**23790**	**23825**	**23780**	**23790**	**23800**
	(Low)	**(Mid)**	**(High)**	**(Low)**	**(Mid)**	**(High)**
Frequency (MHz)	**706.5**	**710**	**713.5**	**709**	**710**	**711**
Conducted Power (dBm)	20.95	20.76	20.87	20.71	20.76	20.89
Conducted Power (Watts)	0.1245	0.1191	0.1222	0.1178	0.1191	0.1227
ERP(dBm)	14.12	13.93	14.04	13.88	13.93	14.06
ERP(Watts)	0.0258	0.0247	0.0254	0.0244	0.0247	0.0255

LTE Band 25 (G_T - L_C = 1.61 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)	22.61	22.54	22.73	22.61	22.57	22.74	22.62	22.59	22.79
Conducted Power (Watts)	0.1824	0.1795	0.1875	0.1824	0.1807	0.1879	0.1828	0.1816	0.1901
EIRP(dBm)	24.22	24.15	24.34	24.22	24.18	24.35	24.23	24.20	24.40
EIRP(Watts)	0.2642	0.2600	0.2716	0.2642	0.2618	0.2723	0.2649	0.2630	0.2754

LTE Band 25 (G_T - L_C = 1.61 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)	22.77	22.63	22.79	22.89	22.73	22.85	22.87	22.74	22.90
Conducted Power (Watts)	0.1892	0.1832	0.1901	0.1945	0.1875	0.1928	0.1936	0.1879	0.1950
EIRP(dBm)	24.38	24.24	24.40	24.50	24.34	24.46	24.48	24.35	24.51
EIRP(Watts)	0.2742	0.2655	0.2754	0.2818	0.2716	0.2793	0.2805	0.2723	0.2825

LTE Band 25 (G_T - L_C = 1.61 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)	21.96	21.94	22.09	21.95	21.88	22.08	21.97	21.94	22.11
Conducted Power (Watts)	0.1570	0.1563	0.1618	0.1567	0.1542	0.1614	0.1574	0.1563	0.1626
EIRP(dBm)	23.57	23.55	23.70	23.56	23.49	23.69	23.58	23.55	23.72
EIRP(Watts)	0.2275	0.2265	0.2344	0.2270	0.2234	0.2339	0.2280	0.2265	0.2355

LTE Band 25 (G_T - L_C = 1.61 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)	22.11	21.98	22.17	22.26	22.09	22.22	22.24	22.13	22.29
Conducted Power (Watts)	0.1626	0.1578	0.1648	0.1683	0.1618	0.1667	0.1675	0.1633	0.1694
EIRP(dBm)	23.72	23.59	23.78	23.87	23.70	23.83	23.85	23.74	23.90
EIRP(Watts)	0.2355	0.2286	0.2388	0.2438	0.2344	0.2415	0.2427	0.2366	0.2455

LTE Band 25 (G_T - L_C = 1.61 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)	20.90	20.83	20.97	20.86	20.85	20.98	20.92	20.88	21.04
Conducted Power (Watts)	0.1230	0.1211	0.1250	0.1219	0.1216	0.1253	0.1236	0.1225	0.1271
EIRP(dBm)	22.51	22.44	22.58	22.47	22.46	22.59	22.53	22.49	22.65
EIRP(Watts)	0.1782	0.1754	0.1811	0.1766	0.1762	0.1816	0.1791	0.1774	0.1841

LTE Band 25 (G_T - L_C = 1.61 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)	21.09	20.93	21.03	21.18	21.05	21.12	21.22	20.97	21.20
Conducted Power (Watts)	0.1285	0.1239	0.1268	0.1312	0.1274	0.1294	0.1324	0.1250	0.1318
EIRP(dBm)	22.70	22.54	22.64	22.79	22.66	22.73	22.83	22.58	22.81
EIRP(Watts)	0.1862	0.1795	0.1837	0.1901	0.1845	0.1875	0.1919	0.1811	0.1910

LTE Band 26 (G_T - L_C = 0.37 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)	22.36	22.39	22.43	22.36	22.39	22.46	22.38	22.45	22.52
Conducted Power (Watts)	0.1722	0.1734	0.1750	0.1722	0.1734	0.1762	0.1730	0.1758	0.1786
ERP(dBm)	20.58	20.61	20.65	20.58	20.61	20.68	20.60	20.67	20.74
ERP(Watts)	0.1143	0.1151	0.1161	0.1143	0.1151	0.1169	0.1148	0.1167	0.1186

LTE Band 26 (G_T - L_C = 0.37 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)	22.44	22.38	22.52	22.96	22.93	22.95	22.96
Conducted Power (Watts)	0.1754	0.1730	0.1786	0.1977	0.1963	0.1972	0.1977
ERP(dBm)	20.66	20.60	20.74	21.18	21.15	21.17	21.18
ERP(Watts)	0.1164	0.1148	0.1186	0.1312	0.1303	0.1309	0.1312

LTE Band 26 (G_T - L_C = 0.37 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)	21.70	21.71	21.73	21.63	21.70	21.79	21.72	21.78	21.84
Conducted Power (Watts)	0.1479	0.1483	0.1489	0.1455	0.1479	0.1510	0.1486	0.1507	0.1528
ERP(dBm)	19.92	19.93	19.95	19.85	19.92	20.01	19.94	20.00	20.06
ERP(Watts)	0.0982	0.0984	0.0989	0.0966	0.0982	0.1002	0.0986	0.1000	0.1014

LTE Band 26 (G_T - L_C = 0.37 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)	21.76	21.76	21.87	22.28	22.25	22.30	22.28
Conducted Power (Watts)	0.1500	0.1500	0.1538	0.1690	0.1679	0.1698	0.1690
ERP(dBm)	19.98	19.98	20.09	20.50	20.47	20.52	20.50
ERP(Watts)	0.0995	0.0995	0.1021	0.1122	0.1114	0.1127	0.1122

LTE Band 26 (G_T - L_C = 0.37 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)	20.63	20.66	20.72	20.60	20.63	20.72	20.63	20.66	20.75
Conducted Power (Watts)	0.1156	0.1164	0.1180	0.1148	0.1156	0.1180	0.1156	0.1164	0.1189
ERP(dBm)	18.85	18.88	18.94	18.82	18.85	18.94	18.85	18.88	18.97
ERP(Watts)	0.0767	0.0773	0.0783	0.0762	0.0767	0.0783	0.0767	0.0773	0.0789

LTE Band 26 (G_T - L_C = 0.37 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)	20.67	20.64	20.78	21.17	21.18	21.18	21.20
Conducted Power (Watts)	0.1167	0.1159	0.1197	0.1309	0.1312	0.1312	0.1318
ERP(dBm)	18.89	18.86	19.00	19.39	19.40	19.40	19.42
ERP(Watts)	0.0774	0.0769	0.0794	0.0869	0.0871	0.0871	0.0875

LTE Band 38 (G_T - L_C = -0.54 dB) QPSK			
Bandwidth	5M		
Channel	37775	38000	38225
	(Low)	(Mid)	(High)
Frequency (MHz)	2572.5	2595	2617.5
Conducted Power (dBm)	22.70	22.69	22.71
Conducted Power (Watts)	0.1862	0.1858	0.1866
EIRP(dBm)	22.16	22.15	22.17
EIRP(Watts)	0.1644	0.1641	0.1648

LTE Band 38 (G_T - L_C = -0.54 dB) QPSK									
Bandwidth	10M			15M			20M		
Channel	37800	38000	38200	37825	38000	38175	37850	38000	38150
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(Mid)
Frequency (MHz)	2575	2595	2615	2577.5	2595	2612.5	2580	2595	2610
Conducted Power (dBm)	22.75	22.67	22.80	22.84	22.74	22.88	22.89	22.78	22.80
Conducted Power (Watts)	0.1884	0.1849	0.1905	0.1923	0.1879	0.1941	0.1945	0.1897	0.1905
EIRP(dBm)	22.21	22.13	22.26	22.30	22.20	22.34	22.35	22.24	22.26
EIRP(Watts)	0.1663	0.1633	0.1683	0.1698	0.1660	0.1714	0.1718	0.1675	0.1683

LTE Band 38 (G_T - L_C = -0.54 dB) 16QAM			
Bandwidth	5M		
Channel	37775	38000	38225
	(Low)	(Mid)	(High)
Frequency (MHz)	2572.5	2595	2617.5
Conducted Power (dBm)	21.67	21.73	21.84
Conducted Power (Watts)	0.1469	0.1489	0.1528
EIRP(dBm)	21.13	21.19	21.30
EIRP(Watts)	0.1297	0.1315	0.1349

LTE Band 38 (G_T - L_C = -0.54 dB) 16QAM									
Bandwidth	10M			15M			20M		
Channel	37800	38000	38200	37825	38000	38175	37850	38000	38150
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(Mid)
Frequency (MHz)	2575	2595	2615	2577.5	2595	2612.5	2580	2595	2610
Conducted Power (dBm)	21.89	21.81	21.94	21.95	21.84	21.98	22.02	21.90	21.92
Conducted Power (Watts)	0.1545	0.1517	0.1563	0.1567	0.1528	0.1578	0.1592	0.1549	0.1556
EIRP(dBm)	21.35	21.27	21.40	21.41	21.30	21.44	21.48	21.36	21.38
EIRP(Watts)	0.1365	0.1340	0.1380	0.1384	0.1349	0.1393	0.1406	0.1368	0.1374

LTE Band 38 (G_T - L_C = -0.54 dB) 64QAM			
Bandwidth	5M		
Channel	37775	38000	38225
	(Low)	(Mid)	(High)
Frequency (MHz)	2572.5	2595	2617.5
Conducted Power (dBm)	20.44	20.52	20.61
Conducted Power (Watts)	0.1107	0.1127	0.1151
EIRP(dBm)	19.90	19.98	20.07
EIRP(Watts)	0.0977	0.0995	0.1016

LTE Band 38 (G_T - L_C = -0.54 dB) 64QAM									
Bandwidth	10M			15M			20M		
Channel	37800	38000	38200	37825	38000	38175	37850	38000	38150
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(Mid)
Frequency (MHz)	2575	2595	2615	2577.5	2595	2612.5	2580	2595	2610
Conducted Power (dBm)	20.65	20.56	20.67	20.70	20.60	20.72	20.73	20.69	20.72
Conducted Power (Watts)	0.1161	0.1138	0.1167	0.1175	0.1148	0.1180	0.1183	0.1172	0.1180
EIRP(dBm)	20.11	20.02	20.13	20.16	20.06	20.18	20.19	20.15	20.18
EIRP(Watts)	0.1026	0.1005	0.1030	0.1038	0.1014	0.1042	0.1045	0.1035	0.1042

LTE Band 38 CA (G_T - L_C = -0.54 dB) QPSK						
Bandwidth	**15M + 15M**			**20M+20M**		
Channel PCC	**37825**	**37925**	**38025**	**37850**	**37901**	**37952**
	(Low)	**(Mid)**	**(High)**	**(Low)**	**(Mid)**	**(High)**
Channel SCC	**37975**	**38075**	**38175**	**38048**	**38099**	**38150**
	(Low)	**(Mid)**	**(High)**	**(Low)**	**(Mid)**	**(High)**
Conducted Power (dBm)	23.04	23.13	23.26	23.16	23.29	23.2
Conducted Power (Watts)	0.2014	0.2056	0.2118	0.2070	0.2133	0.2089
EIRP(dBm)	22.50	22.59	22.72	22.62	22.75	22.66
EIRP(Watts)	0.1778	0.1816	0.1871	0.1828	0.1884	0.1845

LTE Band 38 CA (G_T - L_C = -0.54 dB) 16QAM						
Bandwidth	**15M + 15M**			**20M+20M**		
Channel PCC	**37825**	**37925**	**38025**	**37850**	**37901**	**37952**
	(Low)	**(Mid)**	**(High)**	**(Low)**	**(Mid)**	**(High)**
Channel SCC	**37975**	**38075**	**38175**	**38048**	**38099**	**38150**
	(Low)	**(Mid)**	**(High)**	**(Low)**	**(Mid)**	**(High)**
Conducted Power (dBm)	22.07	22.13	22.29	22.53	22.37	22.47
Conducted Power (Watts)	0.1611	0.1633	0.1694	0.1791	0.1726	0.1766
EIRP(dBm)	21.53	21.59	21.75	21.99	21.83	21.93
EIRP(Watts)	0.1422	0.1442	0.1496	0.1581	0.1524	0.1560

LTE Band 38 CA (G_T - L_C = -0.54 dB) 64QAM						
Bandwidth	**15M + 15M**			**20M+20M**		
Channel PCC	**37825**	**37925**	**38025**	**37850**	**37901**	**37952**
	(Low)	**(Mid)**	**(High)**	**(Low)**	**(Mid)**	**(High)**
Channel SCC	**37975**	**38075**	**38175**	**38048**	**38099**	**38150**
	(Low)	**(Mid)**	**(High)**	**(Low)**	**(Mid)**	**(High)**
Conducted Power (dBm)	20.12	20.23	20.26	21.17	20.99	21.07
Conducted Power (Watts)	0.1028	0.1054	0.1062	0.1309	0.1256	0.1279
EIRP(dBm)	19.58	19.69	19.72	20.63	20.45	20.53
EIRP(Watts)	0.0908	0.0931	0.0938	0.1156	0.1109	0.1130

LTE Band 41 (G_T - L_C = 0.12 dB) 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)	22.55	22.74	22.40	22.62	22.80	22.64	22.71	22.89	22.56
Conducted Power (Watts)	0.1799	0.1879	0.1738	0.1828	0.1905	0.1837	0.1866	0.1945	0.1803
EIRP(dBm)	22.67	22.86	22.52	22.74	22.92	22.76	22.83	23.01	22.68
EIRP(Watts)	0.1849	0.1932	0.1786	0.1879	0.1959	0.1888	0.1919	0.2000	0.1854

LTE Band 41 (G_T - L_C = 0.12 dB) QPSK			
Bandwidth	20M		
Channel	39750	40620	41490
	(Low)	(Mid)	(High)
Frequency (MHz)	2506	2593	2680
Conducted Power (dBm)	22.73	22.91	22.56
Conducted Power (Watts)	0.1875	0.1954	0.1803
EIRP(dBm)	22.85	23.03	22.68
EIRP(Watts)	0.1928	0.2009	0.1854

LTE Band 41 (G_T - L_C = 0.12 dB) 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)	21.64	21.83	21.49	21.75	21.95	21.76	21.80	22.00	21.63
Conducted Power (Watts)	0.1459	0.1524	0.1409	0.1496	0.1567	0.1500	0.1514	0.1585	0.1455
EIRP(dBm)	21.76	21.95	21.61	21.87	22.07	21.88	21.92	22.12	21.75
EIRP(Watts)	0.1500	0.1567	0.1449	0.1538	0.1611	0.1542	0.1556	0.1629	0.1496

LTE Band 41 (G_T - L_C = 0.12 dB) 16QAM			
Bandwidth	20M		
Channel	39750	40620	41490
	(Low)	(Mid)	(High)
Frequency (MHz)	2506	2593	2680
Conducted Power (dBm)	21.87	22.05	20.71
Conducted Power (Watts)	0.1538	0.1603	0.1178
EIRP(dBm)	21.99	22.17	20.83
EIRP(Watts)	0.1581	0.1648	0.1211

LTE Band 41 (G_T - L_C = 0.12 dB) 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)	20.37	20.58	20.22	20.53	20.71	20.52	20.58	20.75	20.42
Conducted Power (Watts)	0.1089	0.1143	0.1052	0.1130	0.1178	0.1127	0.1143	0.1189	0.1102
EIRP(dBm)	20.49	20.70	20.34	20.65	20.83	20.64	20.70	20.87	20.54
EIRP(Watts)	0.1119	0.1175	0.1081	0.1161	0.1211	0.1159	0.1175	0.1222	0.1132

LTE Band 41 (G_T - L_C = 0.12 dB) 64QAM			
Bandwidth	20M		
Channel	39750	40620	41490
	(Low)	(Mid)	(High)
Frequency (MHz)	2506	2593	2680
Conducted Power (dBm)	20.63	20.79	20.44
Conducted Power (Watts)	0.1156	0.1199	0.1107
EIRP(dBm)	20.75	20.91	20.56
EIRP(Watts)	0.1189	0.1233	0.1138

LTE Band 41 CA (G_T - L_C = 0.12 dB) QPSK									
Bandwidth	15M + 15M			5M + 20M			20M + 5M		
Channel PCC	39725	40545	41365	39683	40528	41373	39750	40595	41440
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39875	40695	41515	39800	40645	41490	39867	40712	41557
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.10	22.99	23.12	23.08	22.88	23.05	23.05	22.91	23.18
Conducted Power (Watts)	0.2042	0.1991	0.2051	0.2032	0.1941	0.2018	0.2018	0.1954	0.2080
EIRP(dBm)	23.22	23.11	23.24	23.20	23.00	23.17	23.17	23.03	23.30
EIRP(Watts)	0.2099	0.2046	0.2109	0.2089	0.1995	0.2075	0.2075	0.2009	0.2138

LTE Band 41 CA (G_T - L_C = 0.12 dB) QPSK									
Bandwidth	10M + 20M			20M + 10M			15M + 20M		
Channel PCC	39705	40526	41346	39750	40571	41391	39728	40523	41319
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39849	40670	41490	39894	40715	41535	39899	40694	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.07	22.89	23.21	23.08	22.92	23.11	23.07	22.86	23.01
Conducted Power (Watts)	0.2028	0.1945	0.2094	0.2032	0.1959	0.2046	0.2028	0.1932	0.2000
EIRP(dBm)	23.19	23.01	23.33	23.20	23.04	23.23	23.19	22.98	23.13
EIRP(Watts)	0.2084	0.2000	0.2153	0.2089	0.2014	0.2104	0.2084	0.1986	0.2056

LTE Band 41 CA (G_T - L_C = 0.12 dB) QPSK						
Bandwidth	**20M+15M**			**20M+20M**		
Channel PCC	**39750**	**40546**	**41341**	**39750**	**40521**	**41292**
	(Low)	**(Mid)**	**(High)**	**(Low)**	**(Mid)**	**(High)**
Channel SCC	**39921**	**40717**	**41512**	**39948**	**40719**	**41490**
	(Low)	**(Mid)**	**(High)**	**(Low)**	**(Mid)**	**(High)**
Conducted Power (dBm)	23.04	22.93	23.06	23.09	23.05	23.22
Conducted Power (Watts)	0.2014	0.1963	0.2023	0.2037	0.2018	0.2099
EIRP(dBm)	23.16	23.05	23.18	23.21	23.17	23.34
EIRP(Watts)	0.2070	0.2018	0.2080	0.2094	0.2075	0.2158

LTE Band 41 CA (G_T - L_C = 0.12 dB) QPSK						
Bandwidth	**15M+10M**			**10M+15M**		
Channel PCC	**39725**	**40571**	**41417**	**39703**	**40549**	**41395**
	(Low)	**(Mid)**	**(High)**	**(Low)**	**(Mid)**	**(High)**
Channel SCC	**39845**	**40691**	**41537**	**39823**	**40669**	**41490**
	(Low)	**(Mid)**	**(High)**	**(Low)**	**(Mid)**	**(High)**
Conducted Power (dBm)	23.05	22.94	23.21	23.08	22.97	23.1
Conducted Power (Watts)	0.2018	0.1968	0.2094	0.2032	0.1982	0.2042
EIRP(dBm)	23.17	23.06	23.33	23.20	23.09	23.22
EIRP(Watts)	0.2075	0.2023	0.2153	0.2089	0.2037	0.2099

LTE Band 41 CA (G_T - L_C = 0.12 dB) 16QAM									
Bandwidth	15M + 15M			5M + 20M			20M + 5M		
Channel PCC	39725	40545	41365	39683	40528	41373	39750	40595	41440
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39875	40695	41515	39800	40645	41490	39867	40712	41557
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	22.14	22.04	22.08	21.98	22.01	22.06	22.01	22.02	22.01
Conducted Power (Watts)	0.1637	0.1600	0.1614	0.1578	0.1589	0.1607	0.1589	0.1592	0.1589
EIRP(dBm)	22.26	22.16	22.20	22.10	22.13	22.18	22.13	22.14	22.13
EIRP(Watts)	0.1683	0.1644	0.1660	0.1622	0.1633	0.1652	0.1633	0.1637	0.1633

LTE Band 41 CA (G_T - L_C = 0.12 dB) 16QAM									
Bandwidth	10M + 20M			20M + 10M			15M + 20M		
Channel PCC	39705	40526	41346	39750	40571	41391	39728	40523	41319
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39849	40670	41490	39894	40715	41535	39899	40694	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	22.04	21.98	22.04	22.13	21.95	22.04	22.07	21.96	22.12
Conducted Power (Watts)	0.1600	0.1578	0.1600	0.1633	0.1567	0.1600	0.1611	0.1570	0.1629
EIRP(dBm)	22.16	22.10	22.16	22.25	22.07	22.16	22.19	22.08	22.24
EIRP(Watts)	0.1644	0.1622	0.1644	0.1679	0.1611	0.1644	0.1656	0.1614	0.1675

LTE Band 41 CA (G_T - L_C = 0.12 dB) 16QAM						
Bandwidth	20M+15M			20M+20M		
Channel PCC	39750	40546	41341	39750	40521	41292
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39921	40717	41512	39948	40719	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	22.08	21.98	22.02	22.14	22.12	22.15
Conducted Power (Watts)	0.1614	0.1578	0.1592	0.1637	0.1629	0.1641
EIRP(dBm)	22.20	22.10	22.14	22.26	22.24	22.27
EIRP(Watts)	0.1660	0.1622	0.1637	0.1683	0.1675	0.1687

LTE Band 41 CA (G_T - L_C = 0.12 dB) 16QAM						
Bandwidth	15M+10M			10M+15M		
Channel PCC	39725	40571	41417	39703	40549	41395
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39845	40691	41537	39823	40669	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	22.12	22.03	22.27	22.12	22.02	22.06
Conducted Power (Watts)	0.1629	0.1596	0.1687	0.1629	0.1592	0.1607
EIRP(dBm)	22.24	22.15	22.39	22.24	22.14	22.18
EIRP(Watts)	0.1675	0.1641	0.1734	0.1675	0.1637	0.1652

LTE Band 41 CA (G_T - L_C = 0.12 dB) 64QAM									
Bandwidth	15M + 15M			5M + 20M			20M + 5M		
Channel PCC	39725	40545	41365	39683	40528	41373	39750	40595	41440
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39875	40695	41515	39800	40645	41490	39867	40712	41557
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	20.21	20.14	20.11	20.13	20.16	20.27	20.12	20.16	20.06
Conducted Power (Watts)	0.1050	0.1033	0.1026	0.1030	0.1038	0.1064	0.1028	0.1038	0.1014
EIRP(dBm)	20.33	20.26	20.23	20.25	20.28	20.39	20.24	20.28	20.18
EIRP(Watts)	0.1079	0.1062	0.1054	0.1059	0.1067	0.1094	0.1057	0.1067	0.1042

LTE Band 41 CA (G_T - L_C = 0.12 dB) 64QAM									
Bandwidth	10M + 20M			20M + 10M			15M + 20M		
Channel PCC	39705	40526	41346	39750	40571	41391	39728	40523	41319
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39849	40670	41490	39894	40715	41535	39899	40694	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	20.12	20.13	20.13	20.16	20.13	20.09	20.16	20.07	20.1
Conducted Power (Watts)	0.1028	0.1030	0.1030	0.1038	0.1030	0.1021	0.1038	0.1016	0.1023
EIRP(dBm)	20.24	20.25	20.25	20.28	20.25	20.21	20.28	20.19	20.22
EIRP(Watts)	0.1057	0.1059	0.1059	0.1067	0.1059	0.1050	0.1067	0.1045	0.1052

LTE Band 41 CA (G_T - L_C = 0.12 dB) 64QAM						
Bandwidth	20M+15M			20M+20M		
Channel PCC	39750	40546	41341	39750	40521	41292
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39921	40717	41512	39948	40719	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	20.15	20.08	20.05	20.69	20.71	20.72
Conducted Power (Watts)	0.1035	0.1019	0.1012	0.1172	0.1178	0.1180
EIRP(dBm)	20.27	20.20	20.17	20.81	20.83	20.84
EIRP(Watts)	0.1064	0.1047	0.1040	0.1205	0.1211	0.1213

LTE Band 41 CA (G_T - L_C = 0.12 dB) 64QAM						
Bandwidth	**15M+10M**			**10M+15M**		
Channel PCC	**39725**	**40571**	**41417**	**39703**	**40549**	**41395**
	(Low)	**(Mid)**	**(High)**	**(Low)**	**(Mid)**	**(High)**
Channel SCC	**39845**	**40691**	**41537**	**39823**	**40669**	**41490**
	(Low)	**(Mid)**	**(High)**	**(Low)**	**(Mid)**	**(High)**
Conducted Power (dBm)	20.22	20.11	20.08	20.19	20.12	20.09
Conducted Power (Watts)	0.1052	0.1026	0.1019	0.1045	0.1028	0.1021
EIRP(dBm)	20.34	20.23	20.20	20.31	20.24	20.21
EIRP(Watts)	0.1081	0.1054	0.1047	0.1074	0.1057	0.1050

Peak-to-Average Ratio

Mode	LTE Band 4 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.62	4.52	5.22	5.88	PASS
Middle CH	3.59	4.52	4.64	5.86	
Highest CH	3.57	4.61	5.36	5.91	
Mod.	64QAM		Limit: 13dB		
RB Size	1RB	Full RB	Result		
Lowest CH	6.35	6.35	PASS		
Middle CH	5.68	6.38			
Highest CH	6.55	6.43			

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.36	4.32	4.87	5.74	PASS
Middle CH	3.39	4.38	4.99	5.68	
Highest CH	3.36	4.23	5.07	5.59	
Mod.	64QAM		Limit: 13dB		
RB Size	1RB	Full RB	Result		
Lowest CH	5.01	5.71	PASS		
Middle CH	4.93	5.68			
Highest CH	4.84	5.62			

Mode	LTE Band 12 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.59	4.61	5.22	5.62	PASS
Middle CH	3.54	4.64	5.57	6.00	
Highest CH	3.59	4.78	4.64	6.00	
Mod.	64QAM		Limit: 13dB		
RB Size	1RB	Full RB	Result		
Lowest CH	5.51	6.00	PASS		
Middle CH	5.42	5.91			
Highest CH	4.78	5.88			

Mode	LTE Band 13 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH		-	-	-	PASS
Middle CH	3.65	4.58	5.25	5.94	
Highest CH	-	-	-	-	

Mod.	64QAM		Limit: 13dB
RB Size	1RB	Full RB	Result
Lowest CH	-	-	PASS
Middle CH	5.10	5.88	
Highest CH	-	-	

Mode	LTE Band 25 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.65	4.55	5.28	5.88	PASS
Middle CH	3.59	4.61	5.59	5.86	
Highest CH	3.59	4.52	5.36	5.91	

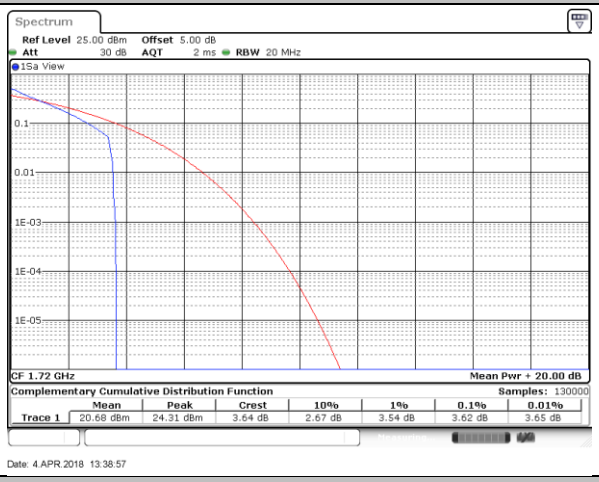
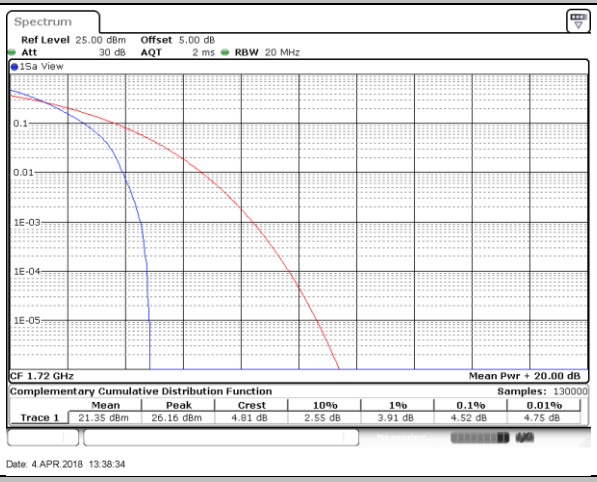
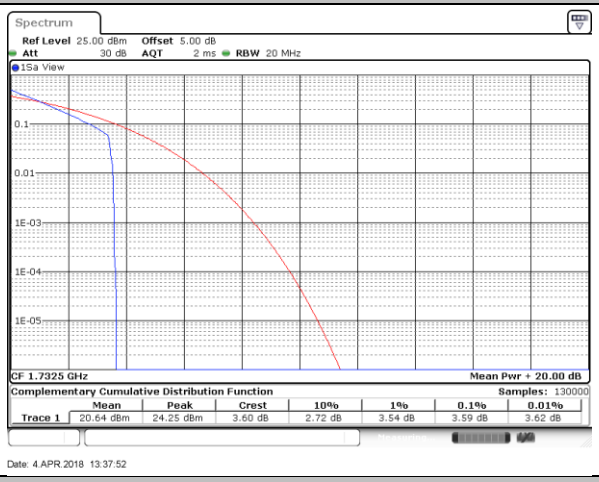
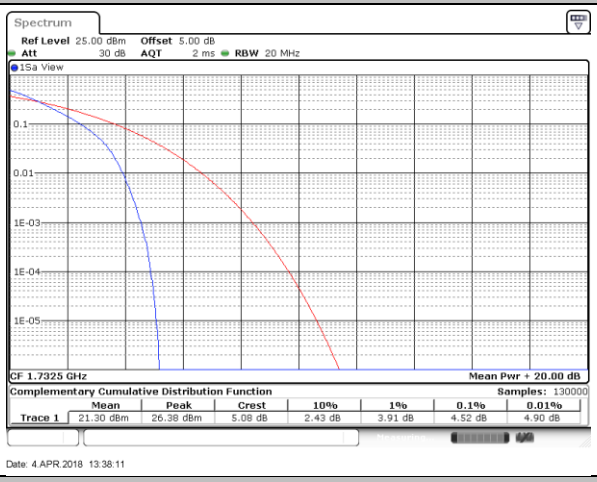
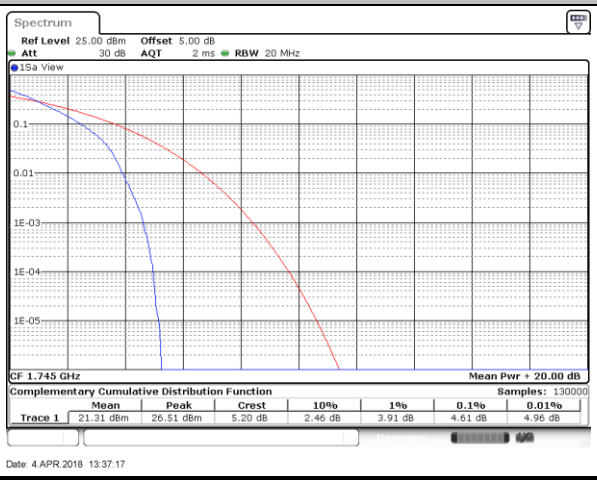
Mod.	64QAM		Limit: 13dB
RB Size	1RB	Full RB	Result
Lowest CH	6.09	6.55	PASS
Middle CH	6.38	6.43	
Highest CH	6.64	6.49	

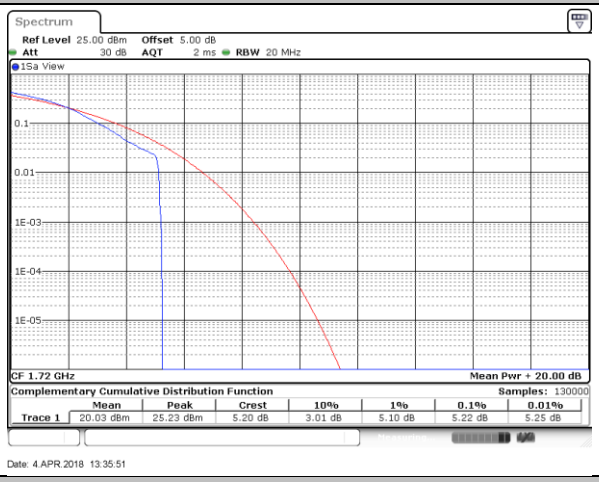
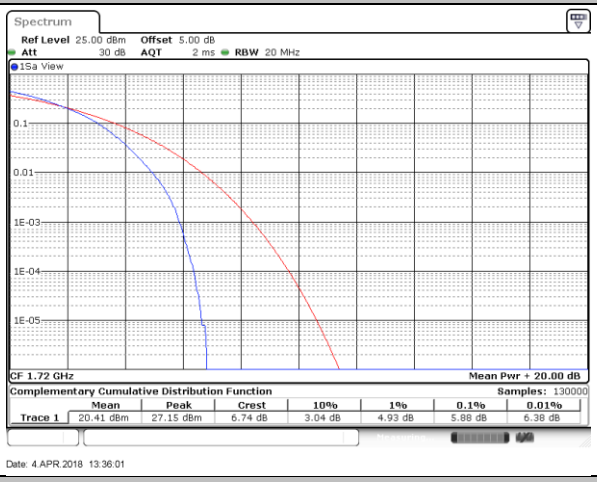
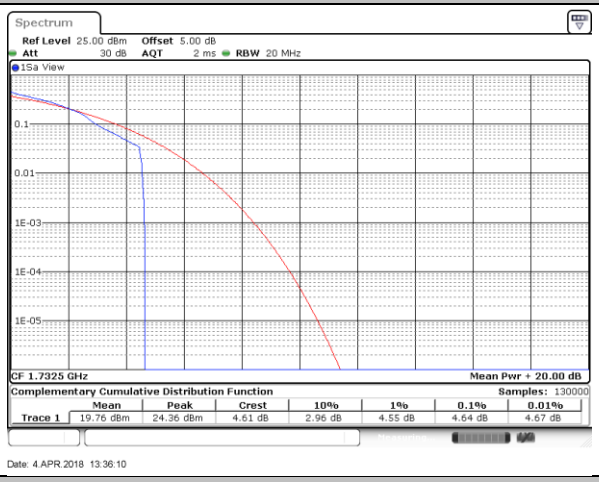
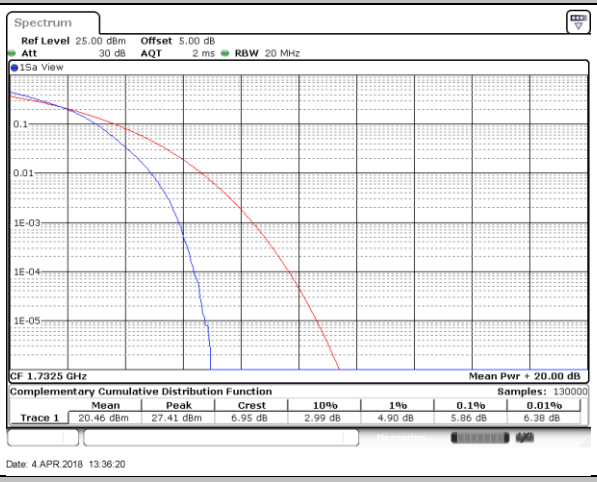
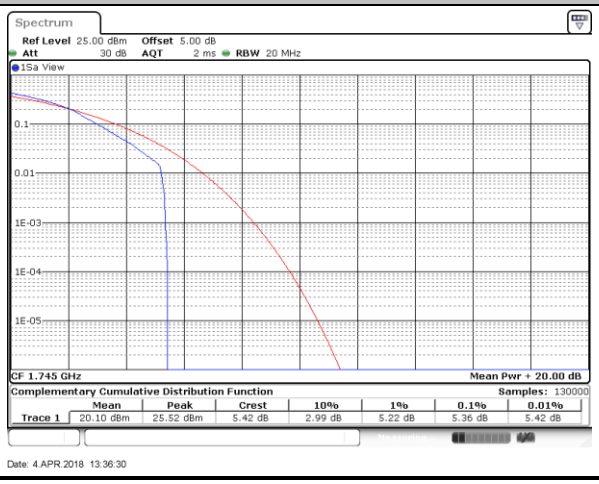
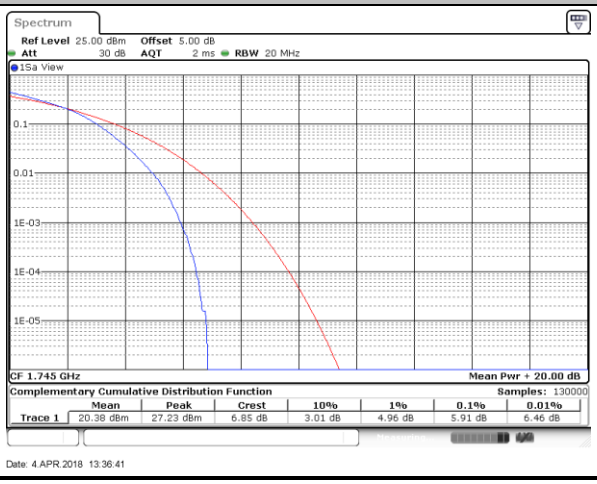
Mode	LTE Band 26 / 15MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.51	4.81	4.93	6.06	PASS
Middle CH	3.59	4.78	5.45	6.00	
Highest CH	3.62	4.72	5.33	6.00	

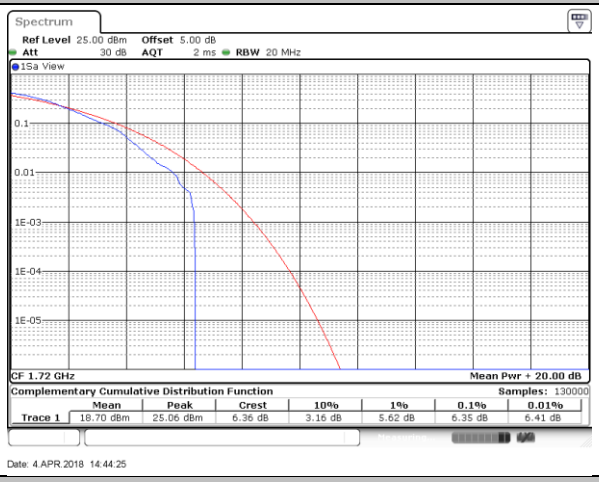
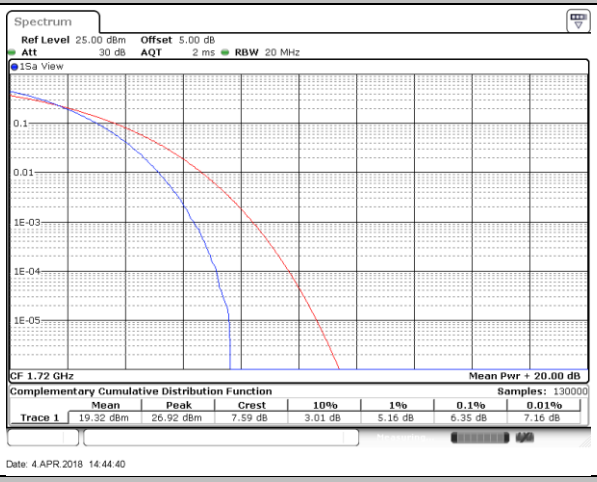
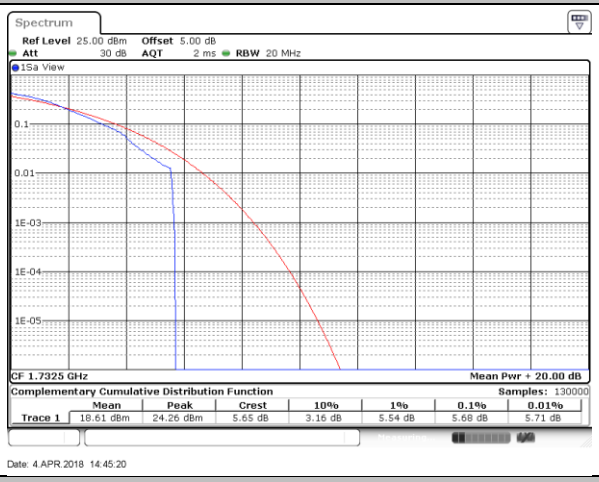
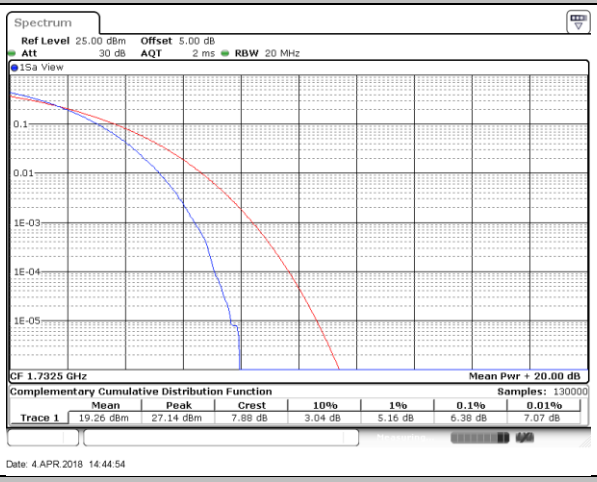
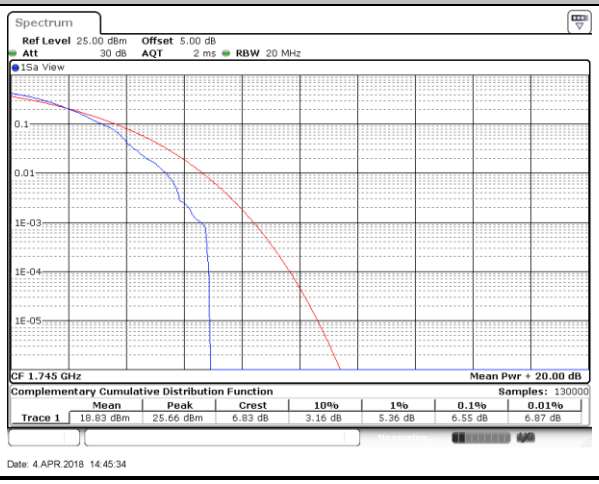
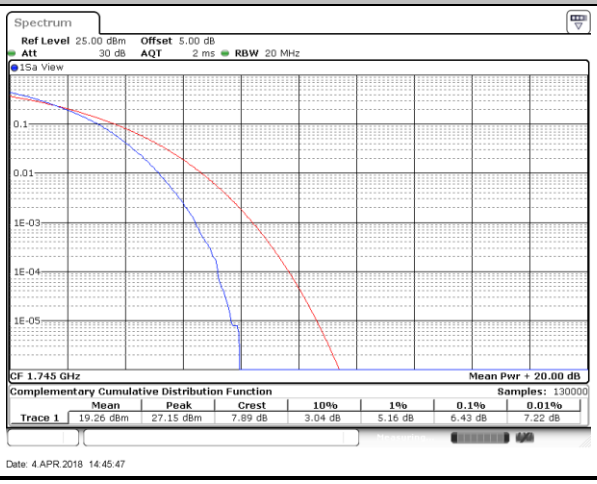
Mod.	64QAM		Limit: 13dB
RB Size	1RB	Full RB	Result
Lowest CH	5.30	5.97	PASS
Middle CH	5.39	5.94	
Highest CH	5.48	5.91	

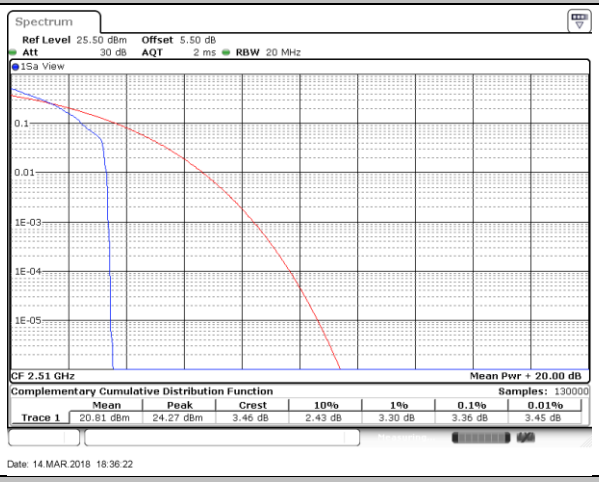
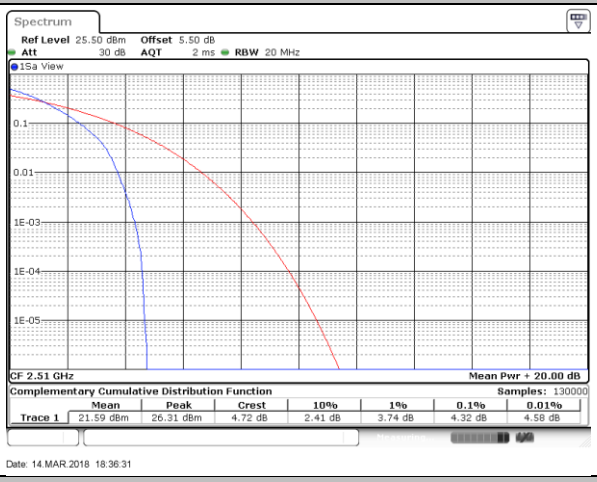
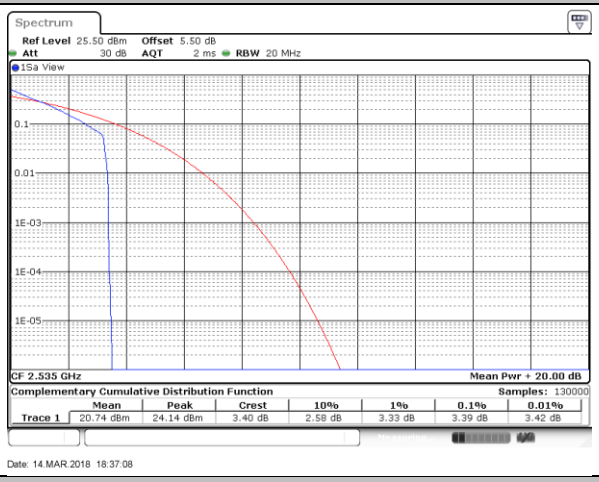
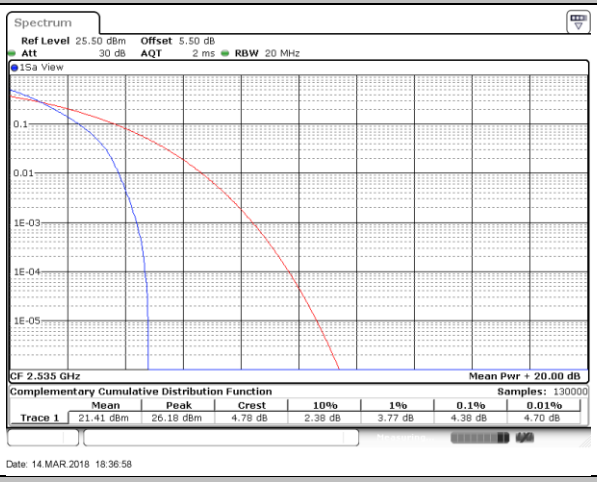
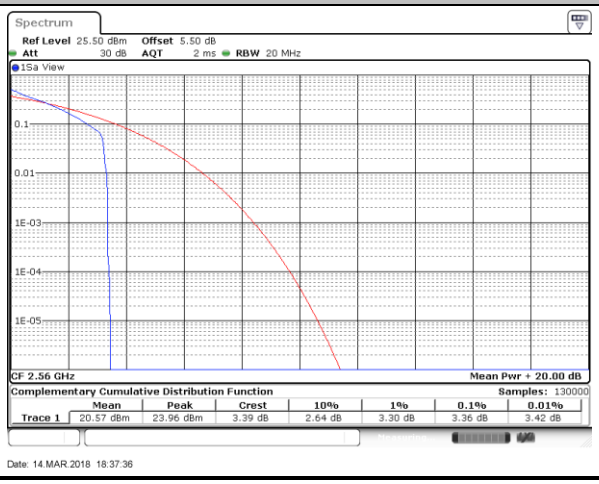
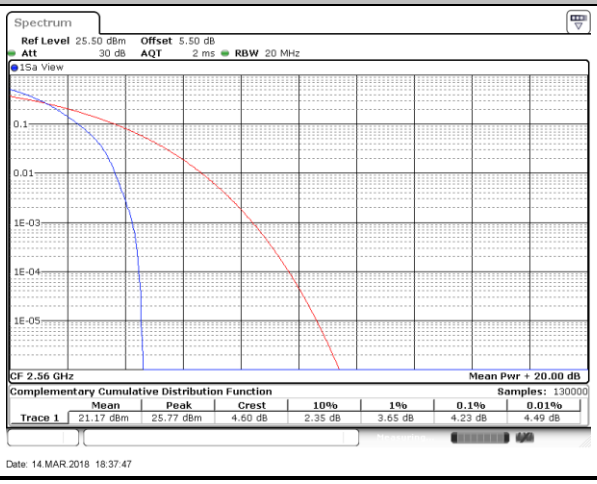
Mode	LTE Band 41 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.45	6.26	5.51	5.83	PASS
Middle CH	4.29	5.57	5.65	5.74	
Highest CH	3.42	4.58	5.25	5.68	

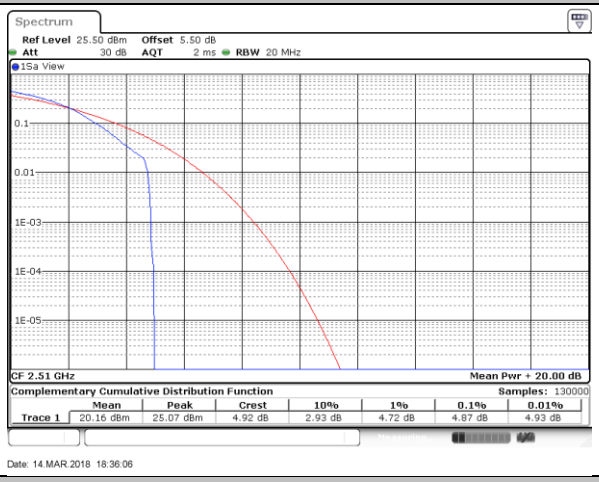
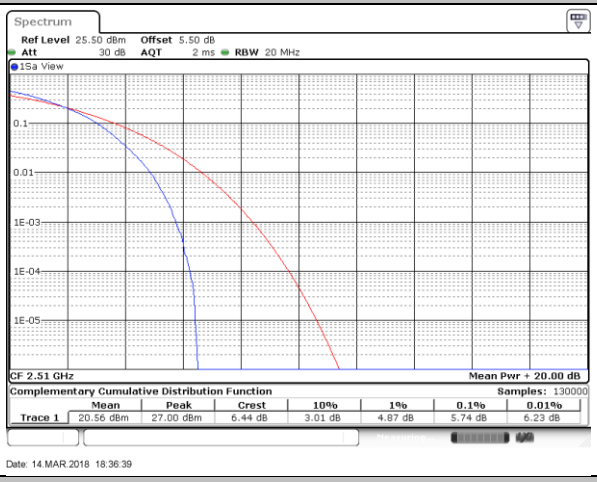
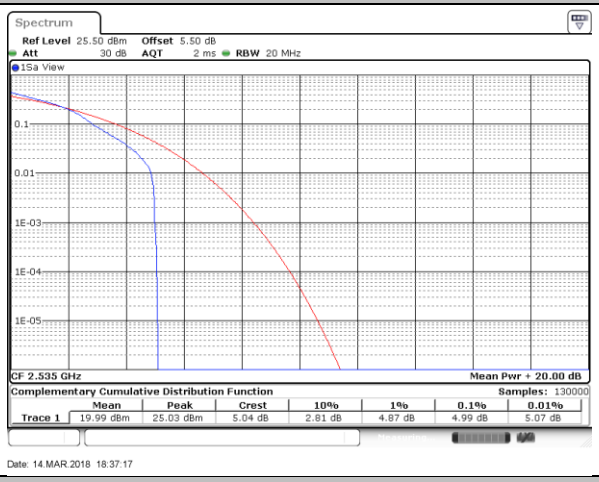
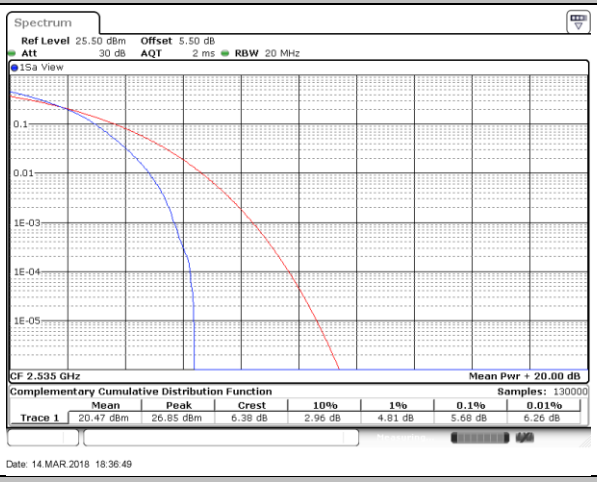
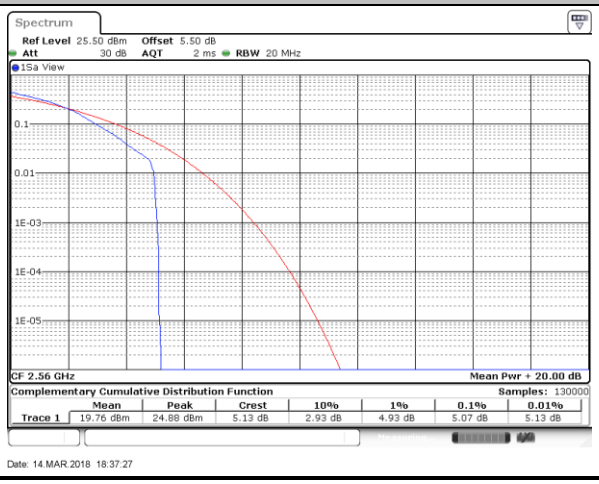
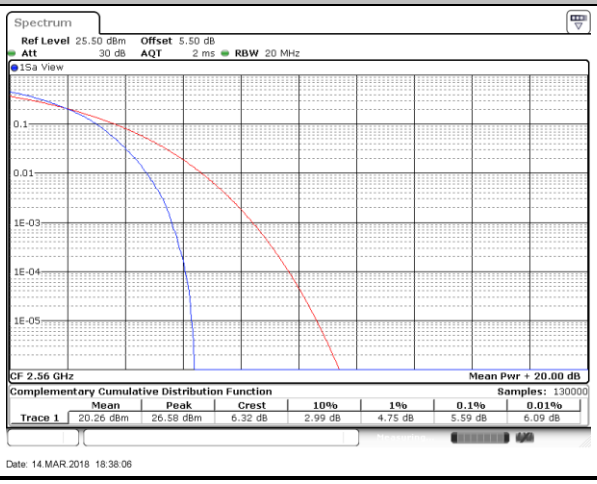
Mod.	64QAM		Limit: 13dB
RB Size	1RB	Full RB	Result
Lowest CH	5.39	5.80	PASS
Middle CH	6.23	6.84	
Highest CH	6.72	5.68	

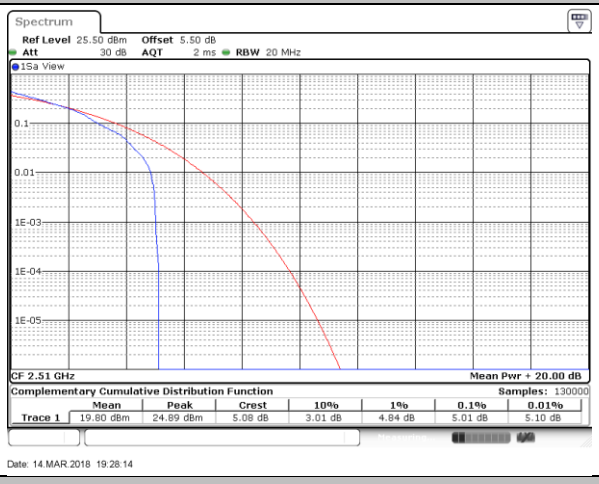
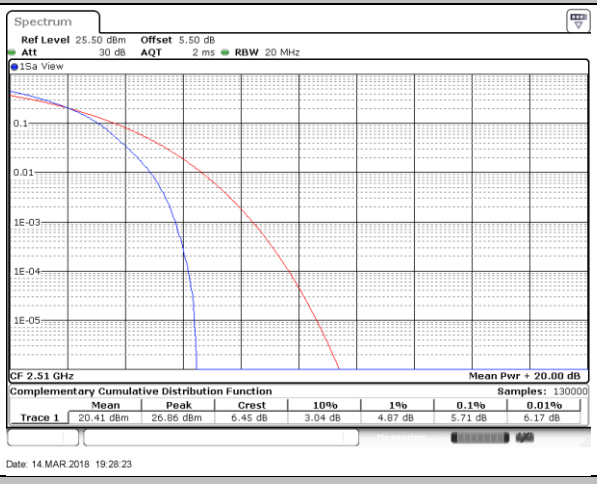
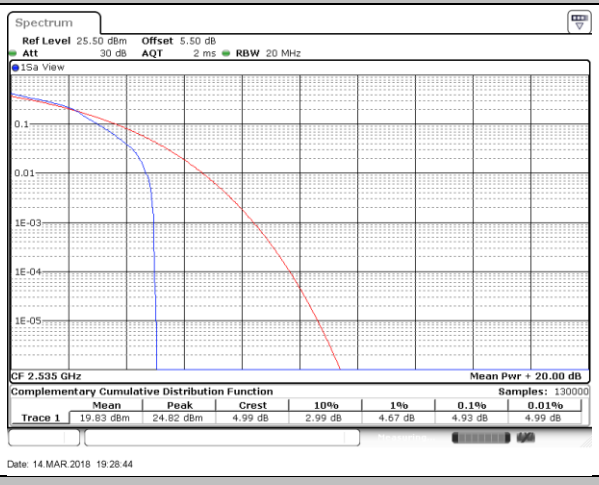
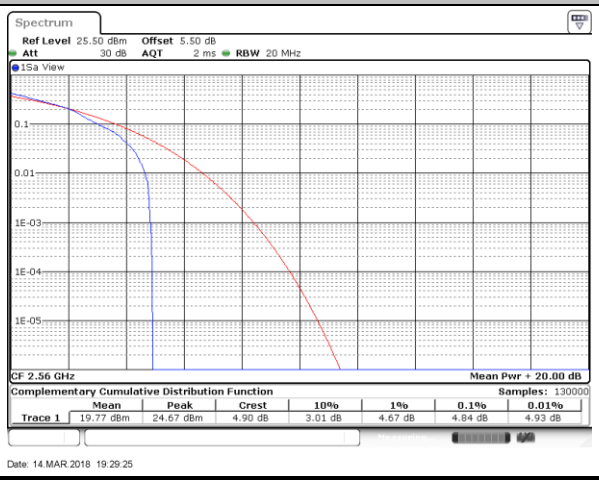
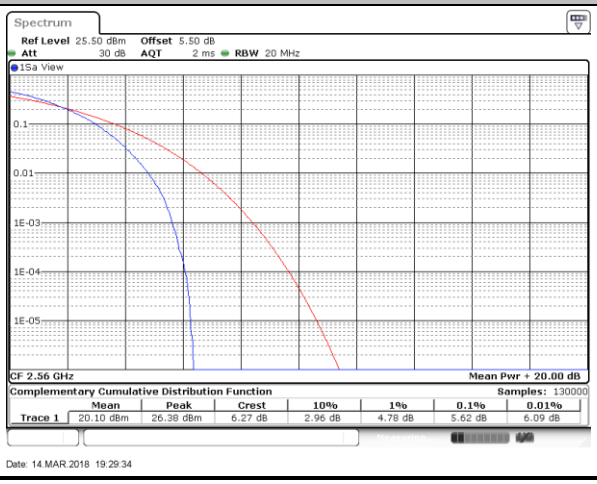
LTE Band 4 / 20MHz / QPSK	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**
	

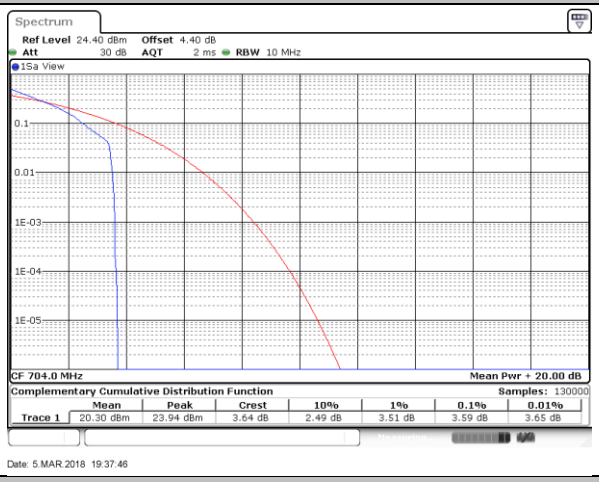
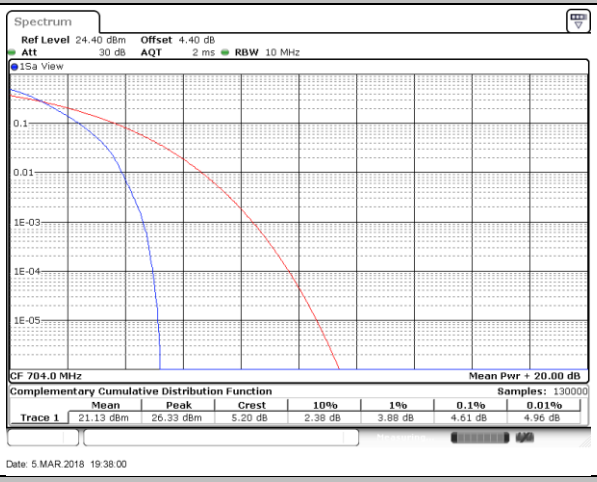
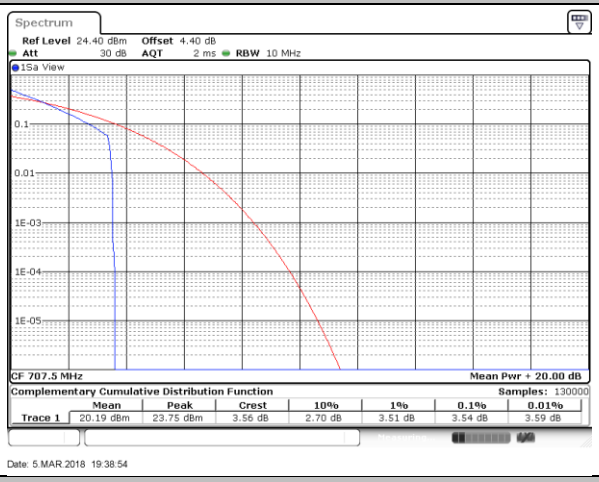
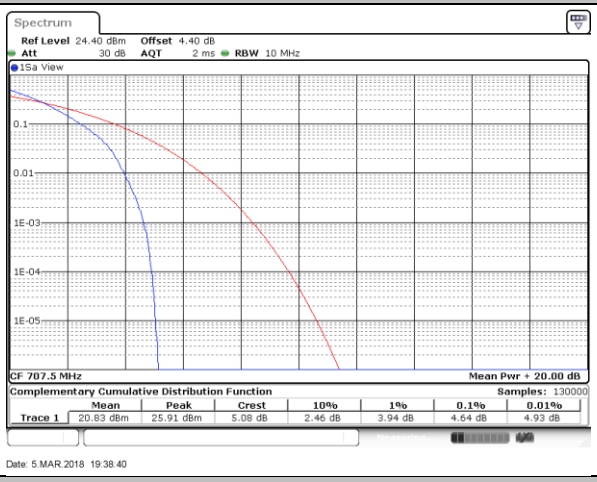
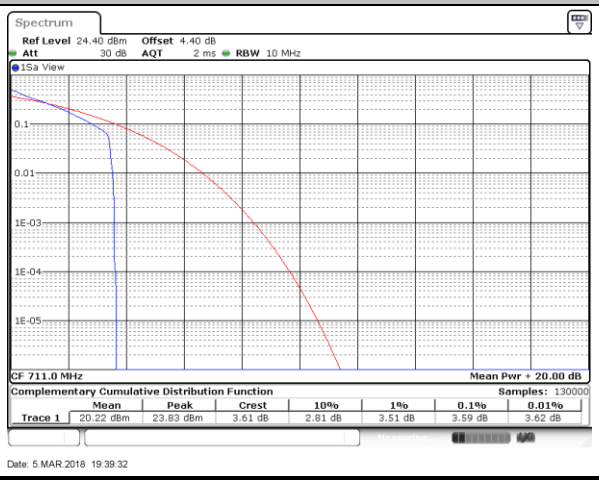
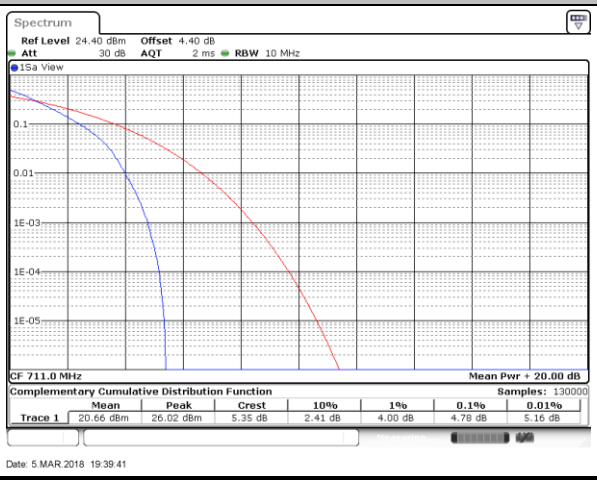
LTE Band 4 / 20MHz / 16QAM	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**
	

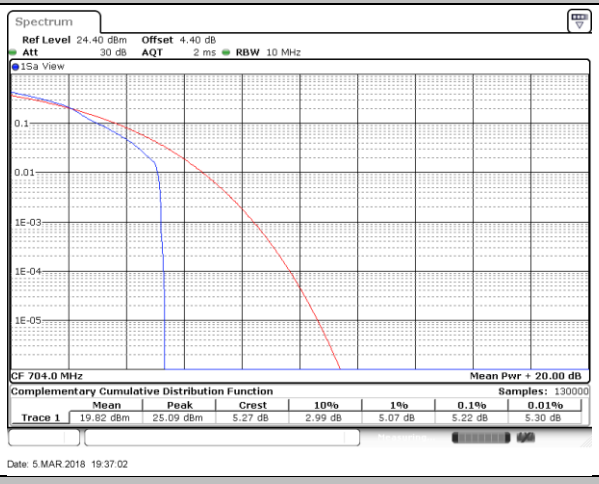
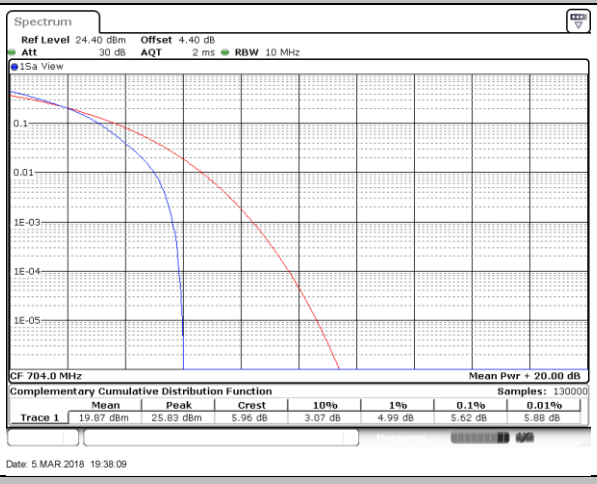
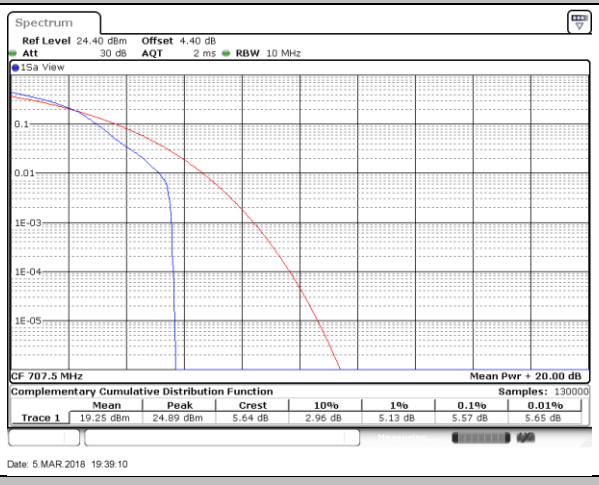
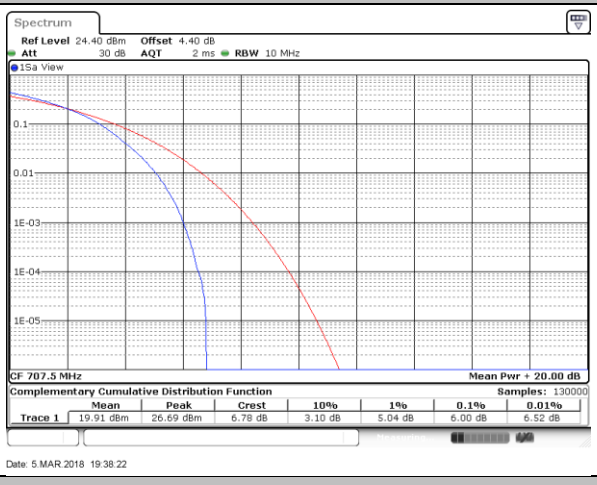
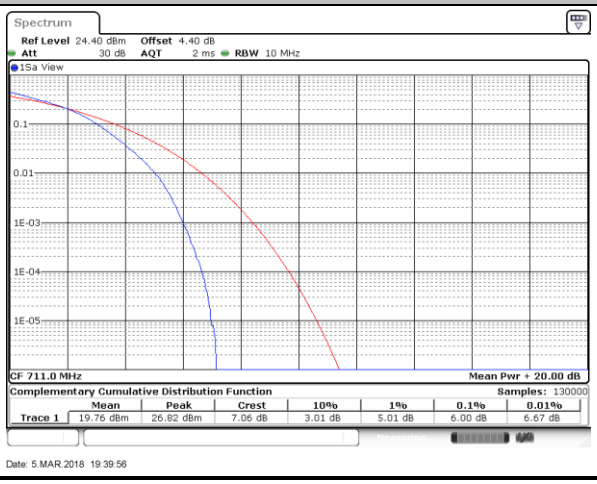
LTE Band 4 / 20MHz / 64QAM	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**
	

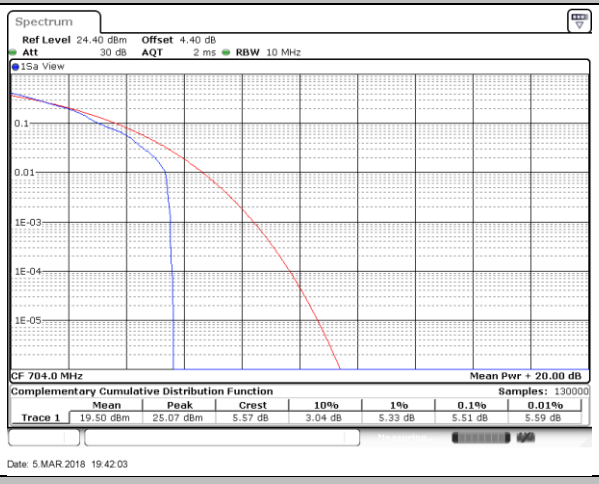
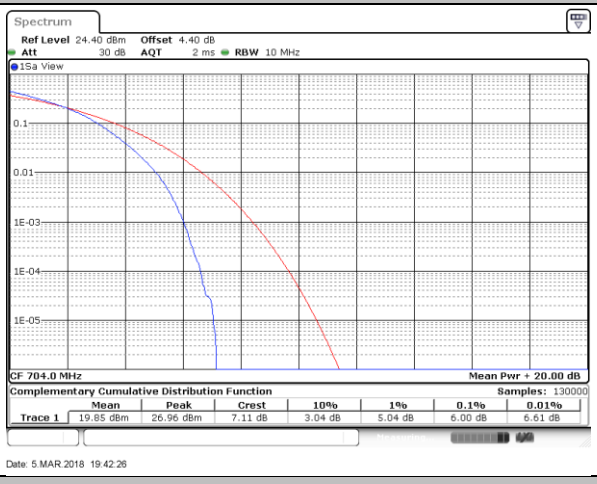
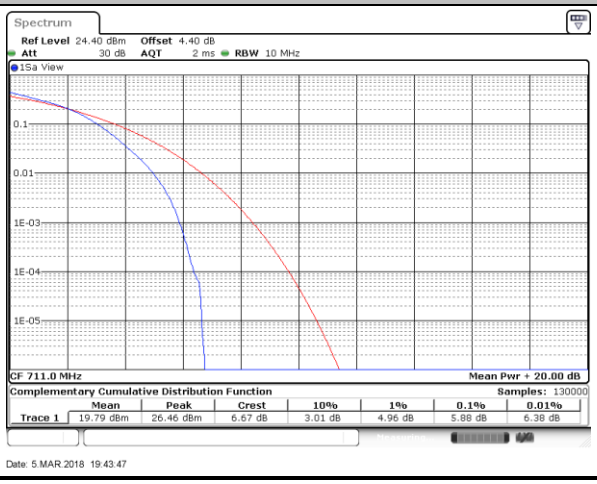
LTE Band 7 / 20MHz / QPSK	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**
	

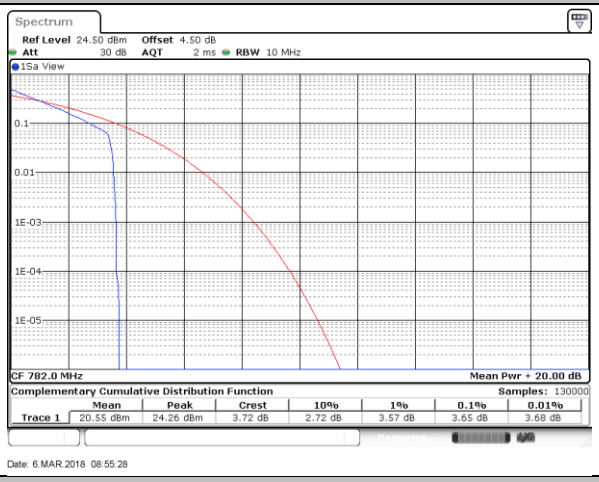
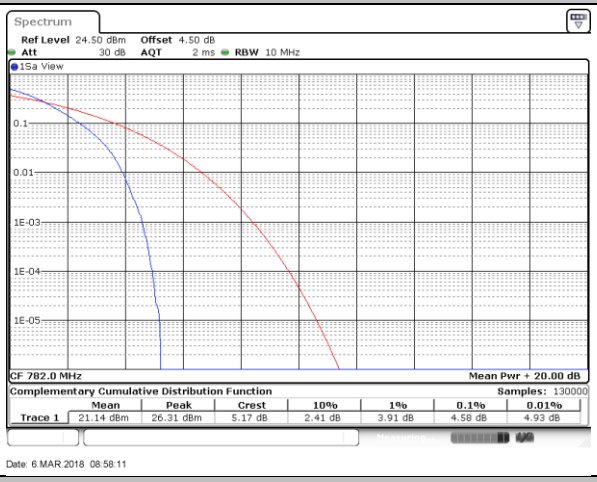
LTE Band 7 / 20MHz / 16QAM	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**
	

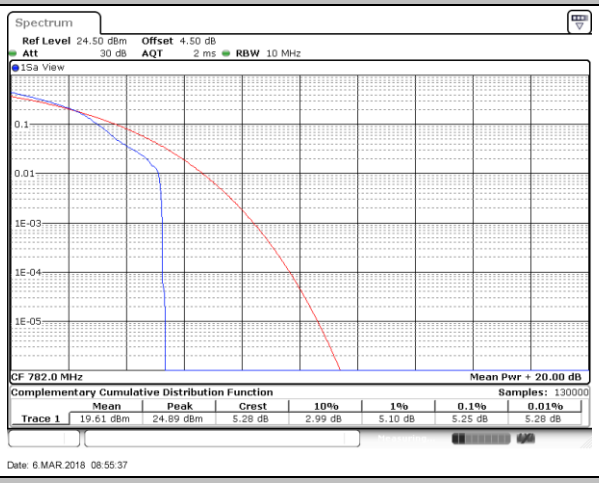
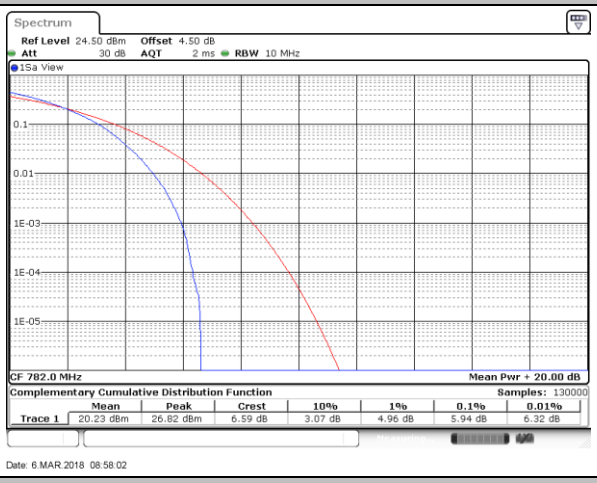
LTE Band 7 / 20MHz / 64QAM	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**
	

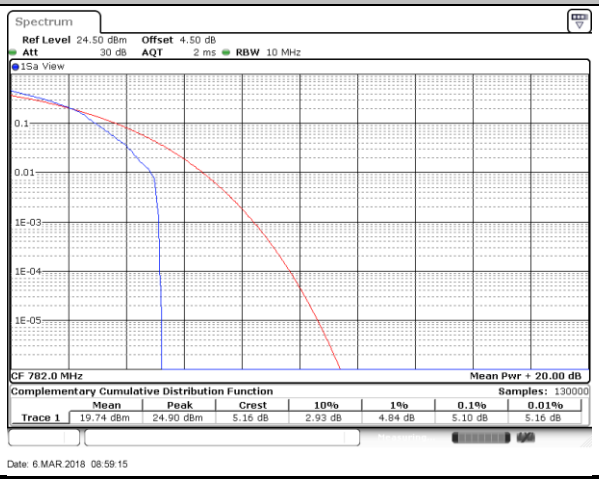
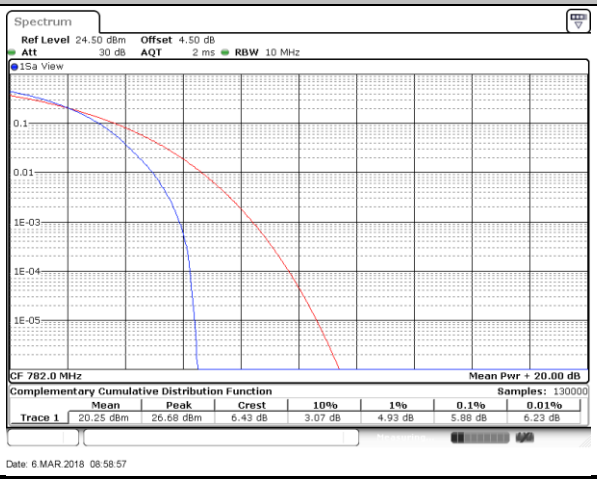
LTE Band 12 / 10MHz / QPSK	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**
	

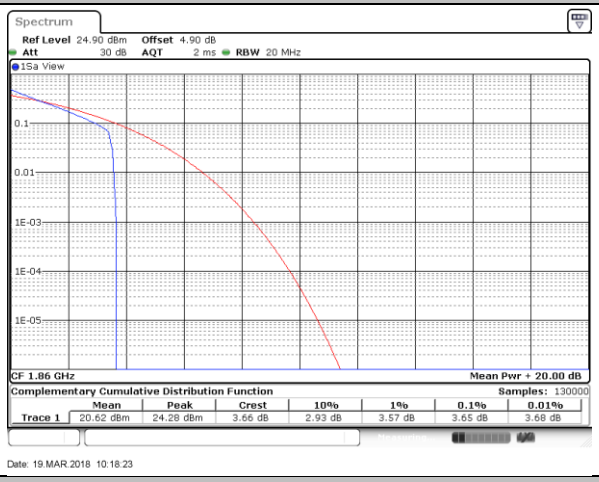
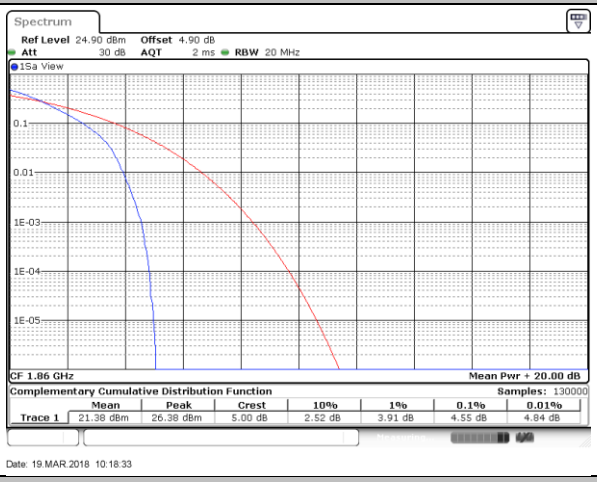
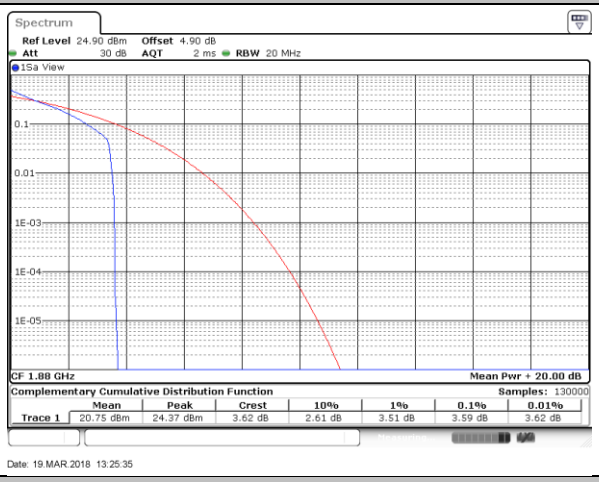
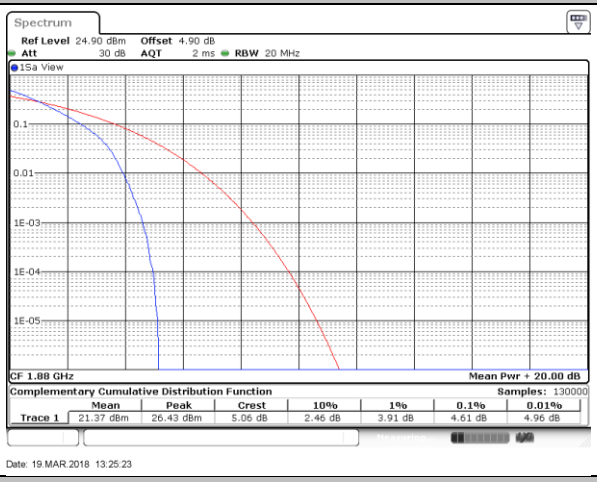
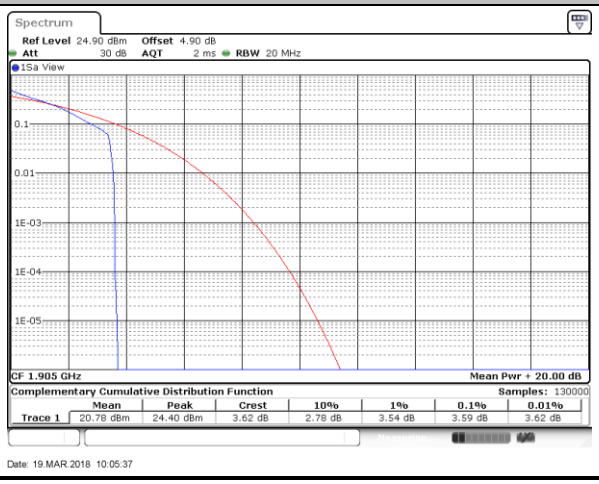
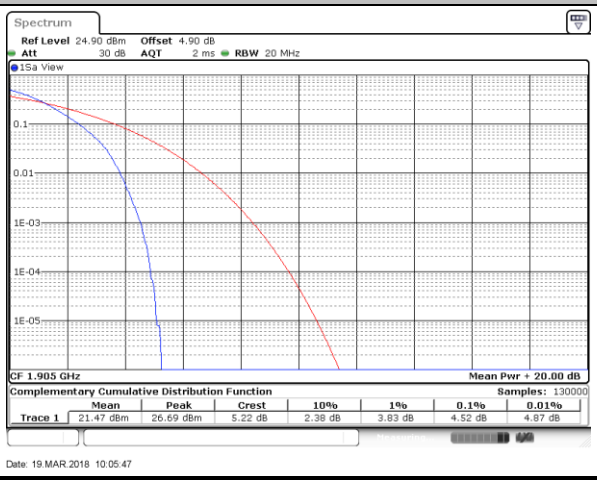
LTE Band 12 / 10MHz / 16QAM	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**
	

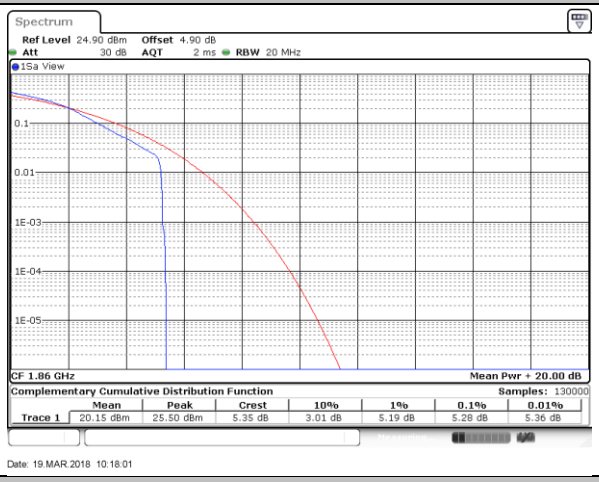
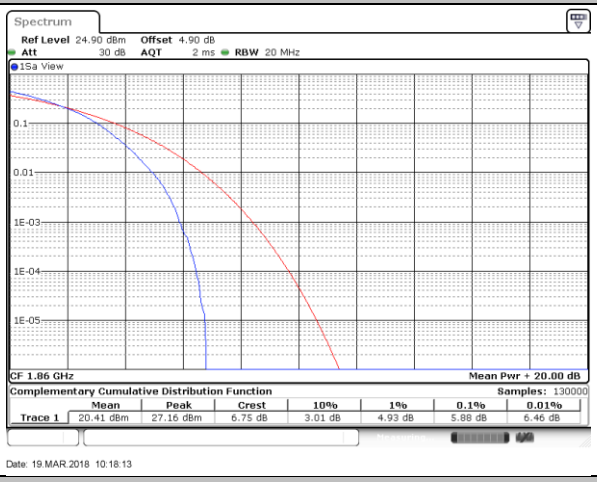
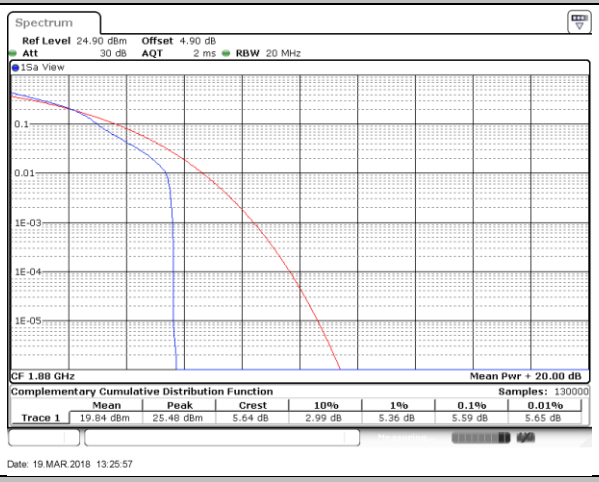
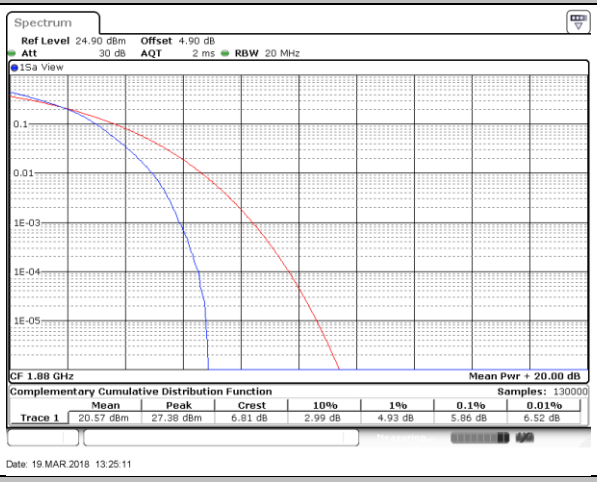
LTE Band 12 / 10MHz / 64QAM	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**
	

LTE Band 13 / 10MHz / QPSK	
Middle Channel/ 1RB	**Middle Channel / Full RB**
	
Date: 6.MAR.2018 08:55:28	Date: 6.MAR.2018 08:58:11

LTE Band 13 / 10MHz / 16QAM	
Middle Channel/ 1RB	**Middle Channel / Full RB**
	
Date: 6.MAR.2018 08:55:37	Date: 6.MAR.2018 08:58:02

LTE Band 13 / 10MHz / 64QAM	
Middle Channel/ 1RB	**Middle Channel / Full RB**
	
Date: 6.MAR.2018 08:59:15	Date: 6.MAR.2018 08:58:57

LTE Band 25 / 20MHz / QPSK	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**
	

LTE Band 25 / 20MHz / 16QAM	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**