FCC RF Test Report

APPLICANT	:	**ZTE CORPORATION**
EQUIPMENT	:	**LTE/Multi-Mode Digital Mobile Phone**
BRAND NAME	:	**ZTE**
MODEL NAME	:	**ZTE A2020U Pro**
FCC ID	:	**SRQ-A2020UPRO**
STANDARD	:	**47 CFR Part 2, 22(H), 24(E), 27(L), 27(M), 27(F), 27(H), 27(N)**
CLASSIFICATION	:	**PCS Licensed Transmitter Held to Ear (PCE)**

The product was received on Jun. 10, 2019 and completely tested on Jul. 24, 2019. We, Sporton International (Kunshan) Inc., would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26-2015 and shown compliance with the applicable technical standards.

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

Jason Jia

Reviewed by: Jason Jia / Supervisor

James Huang

Approved by: James Huang / Manager

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

TABLE OF CONTENTS

REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG961010B	Rev. 01	Initial issue of report	Aug. 13, 2019

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)(5)	Effective Radiated Power (Band 5) (Band 26)	ERP < 7 Watt	PASS	-
	§27.50(b)(10) §27.50(c)(10)	Effective Radiated Power (Band 12) (Band 13) (Band 17) (Band 71)	ERP < 3 Watt	PASS	-
	§24.232(c) §27.50(h)(2)	Equivalent Isotropic Radiated Power (Band 2) (Band 25) (Band 7) (Band 38) (Band 41)	EIRP < 2Watt	PASS	-
	§27.50(d)(4)	Equivalent Isotropic Radiated Power (Band 4) (Band 66)	EIRP < 1Watt	PASS	-
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) (Band 66) (Band 71)	< 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) (Band 66) (Band 71)	< 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 22	PASS	-
	§2.1055 §24.235 §27.54		Within Authorized Band		

4.4	§2.1053 §22.917(a) §24.238(a) §27.53(c)(2) §27.53(f) §27.53(g) §27.53(h)	Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 25) (Band 26) (Band 66) (Band 71)	< $43+10\log_{10}$(P[Watts])	PASS	Under limit 6.16 dB at 10296.000 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

ZTE CORPORATION

ZTE Plaza, Keji Road South, Hi-Tech, Industrial Park, Nanshan District,Shenzhen, Guangdong, 518057, P.R.China

1.2 Manufacturer

ZTE CORPORATION

ZTE Plaza, Keji Road South, Hi-Tech, Industrial Park, Nanshan District,Shenzhen, Guangdong, 518057, P.R.China

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	LTE/Multi-Mode Digital Mobile Phone
Brand Name	ZTE
Model Name	ZTE A2020U Pro
FCC ID	SRQ-A2020UPRO
EUT supports Radios application	GSM/WCDMA/LTE/NFC WLAN 2.4GHz 802.11b/g/n HT20/HT40 WLAN 5GHz 802.11 a/n HT20/HT40 WLAN 5GHz 802.11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE FM Receiver /GNSS
IMEI Code	Conducted: N/A Radiation: 866550040000033
HW Version	twfB
SW Version	GEN_NA_A2020U_PROV1.0
EUT Stage	Identical Prototype

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	LTE Band 2 : 1850.7 MHz ~ 1909.3 MHz LTE Band 4 : 1710.7 MHz ~ 1754.3 MHz LTE Band 5 : 824.7 MHz ~ 848.3 MHz LTE Band 7 : 2502.5 MHz ~ 2567.5 MHz LTE Band 12 : 699.7 MHz ~ 715.3 MHz LTE Band 13 : 779.5 MHz ~ 784.5 MHz LTE Band 17 : 706.5 MHz ~ 713.5 MHz LTE Band 25 : 1850.7MHz ~ 1914.3 MHz LTE Band 26 : 824.7MHz ~ 848.3 MHz LTE Band 38 : 2572.5MHz ~ 2617.5MHz LTE Band 41 : 2537.5 MHz ~ 2652.5 MHz LTE Band 66 : 1710.7 MHz ~ 1779.3 MHz LTE Band 71: 665.5 MHz ~ 695.5MHz
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 : 2622.5MHz ~ 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 : 1930.7MHz ~ 1994.3 MHz LTE Band 26 : 869.7MHz ~ 893.3MHz LTE Band 38 : 2572.5MHz ~ 2617.5MHz LTE Band 41 : 2537.5 MHz ~ 2652.5 MHz LTE Band 66 : 2110.7 MHz~ 2199.3 MHz LTE Band 71: 619.5 MHz ~ 649.5MHz
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 LTE Band 66 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 71 : 5MHz / 10MHz / 15MHz / 20MHz
Maximum Output Power to Antenna	LTE Band 2 : 23.58 dBm LTE Band 4 : 23.99 dBm LTE Band 5 : 24.98 dBm LTE Band 7 : 22.91 dBm; Band 7C_CA: 23.10 dBm LTE Band 12 : 24.78 dBm LTE Band 13 : 24.93 dBm LTE Band 17 : 23.95 dBm LTE Band 25 : 23.66 dBm LTE Band 26 : 24.95 dBm LTE Band 38 : 23.99 dBm LTE Band 41 : 24.01 dBm; Band 41C_CA: 24.03 dBm

	LTE Band 66 : 24.21 dBm LTE Band 71 : 25.45 dBm
Antenna Gain	**Top Antenna :** LTE Band 2 : -0.94 dBi LTE Band 4 : -1.31 dBi LTE Band 5 : -5.90 dBi LTE Band 7 : -2.70 dBi LTE Band 12 : -6.41 dBi LTE Band 13 : -6.24 dBi LTE Band 17 : -6.41 dBi LTE Band 25 : -0.94 dBi LTE Band 26 : -5.90 dBi LTE Band 38 : -2.70 dBi LTE Band 41 : -2.70 dBi LTE Band 66 : -1.31 dBi LTE Band 71 : -6.97 dBi **Bottom Antenna :** LTE Band 2 : 0.23 dBi LTE Band 4 : -0.39 dBi LTE Band 5 : -3.64 dBi LTE Band 7 : 0.21 dBi LTE Band 12 : -4.41 dBi LTE Band 13 : -4.24 dBi LTE Band 17 : -4.41 dBi LTE Band 25 : 0.23 dBi LTE Band 26 : -3.64 dBi LTE Band 38 : 0.21 dBi LTE Band 41 : 0.21 dBi LTE Band 66 : -0.14 dBi LTE Band 71 : -5.53 dBi
Type of Modulation	QPSK / 16QAM / 64QAM

Note: The Maximum ERP/EIRP is calculated from Max Output power and Max antenna gain.

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	1M10G7D	-	0.2443	1M09W7D	-	0.2056
3	1851.5 ~ 1908.5	2M72G7D	-	0.2339	2M73W7D	-	0.1932
5	1852.5 ~ 1907.5	4M50G7D	-	0.2377	4M51W7D	-	0.2009
10	1855.0 ~ 1905.0	9M03G7D	0.0022	0.2355	9M07W7D	-	0.1963
15	1857.5 ~ 1902.5	13M4G7D	-	0.2421	13M5W7D	-	0.1977
20	1860.0 ~ 1900.0	18M3G7D	-	0.2449	18M5W7D	-	0.2070

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	1M09W7D	-	0.1596
3	1851.5 ~ 1908.5	2M73W7D	-	0.1514
5	1852.5 ~ 1907.5	4M50W7D	-	0.1567
10	1855.0 ~ 1905.0	9M05W7D	-	0.1535
15	1857.5 ~ 1902.5	13M5W7D	-	0.1567
20	1860.0 ~ 1900.0	18M4W7D	-	0.1545

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	1M10G7D	-	0.2443	1M09W7D	-	0.2056
3	1851.5 ~ 1913.5	2M72G7D	-	0.2339	2M73W7D	-	0.1932
5	1852.5 ~ 1912.5	4M50G7D	-	0.2377	4M51W7D	-	0.2009
10	1855.0 ~ 1910.0	9M03G7D	0.0022	0.2355	9M07W7D	-	0.1963
15	1857.5 ~ 1907.5	13M4G7D	-	0.2421	13M5W7D	-	0.1977
20	1860.0 ~ 1905.0	18M3G7D	-	0.2449	18M5W7D	-	0.2070

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	-	0.1596
3	1851.5 ~ 1913.5	2M73W7D	-	0.1514
5	1852.5 ~ 1912.5	4M50W7D	-	0.1567
10	1855.0 ~ 1910.0	9M05W7D	-	0.1535
15	1857.5 ~ 1907.5	13M5W7D	-	0.1567
20	1860.0 ~ 1905.0	18M4W7D	-	0.1545

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	1M10G7D	-	0.2483	1M09W7D	-	0.2065
3	1711.5 ~ 1753.5	2M72G7D	-	0.2466	2M72W7D	-	0.2143
5	1712.5 ~ 1752.5	4M52G7D	-	0.2506	4M49W7D	-	0.2143
10	1715.0 ~ 1750.0	9M03G7D	0.0059	0.2489	9M05W7D	-	0.2094
15	1717.5 ~ 1747.5	13M5G7D	-	0.2500	13M5W7D	-	0.2148
20	1720.0 ~ 1745.0	18M6G7D	-	0.2553	18M3W7D	-	0.2061

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	-	0.1462
3	1711.5 ~ 1753.5	2M73W7D	-	0.1374
5	1712.5 ~ 1752.5	4M50W7D	-	0.1514
10	1715.0 ~ 1750.0	9M07W7D	-	0.1538
15	1717.5 ~ 1747.5	13M5W7D	-	0.1503
20	1720.0 ~ 1745.0	18M4W7D	-	0.1455

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	-	0.0703	1M10W7D	-	0.0594
3	825.5 ~ 847.5	2M72G7D	-	0.0698	2M72W7D	-	0.0596
5	826.5 ~ 846.5	4M50G7D	-	0.0711	4M51W7D	-	0.0612
10	829.0 ~ 844.0	9M17G7D	0.0060	0.0787	9M07W7D	-	0.0659

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	-	0.0398
3	825.5 ~ 847.5	2M73W7D	-	0.0402
5	826.5 ~ 846.5	4M52W7D	-	0.0415
10	829.0 ~ 844.0	9M09W7D	-	0.0452

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	4M50G7D	-	0.2046	4M52W7D	-	0.2004
10	2505.0 ~ 2565.0	9M05G7D	0.0032	0.2014	9M01W7D	-	0.1910
15	2507.5 ~ 2562.5	13M5G7D	-	0.2037	13M5W7D	-	0.1991
20	2510.0 ~ 2560.0	18M5G7D	-	0.2051	18M4W7D	-	0.1977

LTE Band 7		64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
5	2502.5 ~ 2567.5	4M48W7D	-	0.1607
10	2505.0 ~ 2565.0	9M03W7D	-	0.1570
15	2507.5 ~ 2562.5	13M5W7D	-	0.1637
20	2510.0 ~ 2560.0	18M5W7D	-	0.1592

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	-	0.0664	1M10W7D	-	0.0552
3	700.5 ~ 714.5	2M73G7D	-	0.0649	2M72W7D	-	0.0553
5	701.5 ~ 713.5	4M51G7D	-	0.0625	4M50W7D	-	0.0531
10	704.0 ~ 711.0	9M07G7D	0.0103	0.0664	9M03W7D	-	0.0551

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	1M10W7D	-	0.0401
3	700.5 ~ 714.5	2M72W7D	-	0.0415
5	701.5 ~ 713.5	4M51W7D	-	0.0405
10	704.0 ~ 711.0	9M01W7D	-	0.0409

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	4M49G7D	-	0.0706	4M50W7D	-	0.0617
10	782.0	8M97G7D	0.0066	0.0714	9M05W7D	-	0.0551

LTE Band 13		64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
5	779.5 ~ 784.5	4M51W7D	-	0.0417
10	782.0	9M01W7D	-	0.0402

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	4M51G7D	-	0.0625	4M50W7D	-	0.0531
10	709.0 ~ 711.0	9M07G7D	0.0103	0.0664	9M03W7D	-	0.0551

LTE Band 17		64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
5	706.5 ~ 713.5	4M51W7D	-	0.0405
10	709.0 ~ 711.0	9M01W7D	-	0.0409

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	1M10G7D	-	0.0703	1M10W7D	-	0.0594
3	825.5 ~ 847.5	2M72G7D	-	0.0698	2M72W7D	-	0.0596
5	826.5 ~ 846.5	4M50G7D	-	0.0711	4M51W7D	-	0.0612
10	829.0 ~ 844.0	9M17G7D	0.0060	0.0787	9M07W7D	-	0.0659
15	831.5 ~ 841.5	13M5G7D	-	0.0824	13M5W7D	-	0.0659
CH26765	821.5	13M5G7D	-	0.0771	13M4W7D	-	0.0652

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	-	0.0398
3	825.5 ~ 847.5	2M73W7D	-	0.0402
5	826.5 ~ 846.5	4M52W7D	-	0.0415
10	829.0 ~ 844.0	9M09W7D	-	0.0452
15	831.5 ~ 841.5	13M4W7D	-	0.0465
CH26765	821.5	13M4W7D	-	0.0444

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	-	0.2559	4M49W7D	-	0.2570
10	2575.0 ~ 2615.0	9M09G7D	0.0021	0.2483	9M07W7D	-	0.2570
15	2577.5 ~ 2612.5	13M5G7D	-	0.2630	13M6W7D	-	0.2600
20	2580.0 ~ 2610.0	18M5G7D	-	0.2642	18M5W7D	-	0.2600

LTE Band 38		64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
5	2572.5 ~ 2617.5	4M52W7D	-	0.1600
10	2575.0 ~ 2615.0	9M01W7D	-	0.1542
15	2577.5 ~ 2612.5	13M5W7D	-	0.1941
20	2580.0 ~ 2610.0	18M6W7D	-	0.1563

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	2537.5 ~ 2652.5	4M51G7D	-	0.2559	4M49W7D	-	0.2570
10	2540.0 ~ 2650.0	9M09G7D	0.0021	0.2483	9M07W7D	-	0.2570
15	2542.5 ~ 2647.5	13M5G7D	-	0.2630	13M6W7D	-	0.2600
20	2545.0 ~ 2645.0	18M5G7D	-	0.2642	18M5W7D	-	0.2600

LTE Band 41		64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
5	2537.5 ~ 2652.5	4M52W7D	-	0.1600
10	2540.0 ~ 2650.0	9M01W7D	-	0.1542
15	2542.5 ~ 2647.5	13M5W7D	-	0.1941
20	2545.0 ~ 2645.0	18M6W7D	-	0.1563

LTE Band 66		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 ~ 1779.3	1M10G7D	-	0.2483	1M09W7D	-	0.2065
3	1711.5 ~ 1778.5	2M72G7D	-	0.2466	2M72W7D	-	0.2143
5	1712.5 ~ 1777.5	4M52G7D	-	0.2506	4M49W7D	-	0.2143
10	1715.0 ~ 1775.0	9M03G7D	0.0059	0.2489	9M05W7D	-	0.2094
15	1717.5 ~ 1772.5	13M5G7D	-	0.2500	13M5W7D	-	0.2148
20	1720.0 ~ 1770.0	18M6G7D	-	0.2553	18M3W7D	-	0.2061

LTE Band 66		64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
1.4	1710.7 ~ 1779.3	1M10W7D	-	0.1462
3	1711.5 ~ 1778.5	2M73W7D	-	0.1374
5	1712.5 ~ 1777.5	4M50W7D	-	0.1514
10	1715.0 ~ 1775.0	9M07W7D	-	0.1538
15	1717.5 ~ 1772.5	13M5W7D	-	0.1503
20	1720.0 ~ 1770.0	18M4W7D	-	0.1455

LTE Band 71		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	665.5 ~ 695.5	4M50G7D	-	0.0553	4M51W7D	-	0.0472
10	668.0 ~ 693.0	9M09G7D	0.0049	0.0564	9M03W7D	-	0.0469
15	670.5 ~ 690.5	13M4G7D	-	0.0574	13M5W7D	-	0.0479
20	673.0 ~ 688.0	18M4G7D	-	0.0598	18M5W7D	-	0.0475

LTE Band 71		64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum ERP(W)
5	665.5 ~ 695.5	4M52W7D	-	0.0375
10	668.0 ~ 693.0	9M03W7D	-	0.0366
15	670.5 ~ 690.5	13M4W7D	-	0.0378
20	673.0 ~ 688.0	18M5W7D	-	0.0376

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	-	0.2032	28M2W7D	-	0.2009
15MHz+15MHz	28M7G7D	-	0.1991	28M8W7D	-	0.2094
15MHz+20MHz	32M9G7D	-	0.2061	32M8W7D	-	0.2138
15MHz+10MHz	23M4G7D	-	0.2000	23M4W7D	-	0.2046
20MHz+10MHz	27M9G7D	-	0.2000	28M1W7D	-	0.1977
20MHz+15MHz	32M9G7D	-	0.2032	32M9W7D	-	0.2128
20MHz+20MHz	37M8G7D	-	0.2143	37M5W7D	-	0.2042

LTE Band 7 CA	64QAM		
BW (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
10MHz+20MHz	28M0W7D	-	0.1256
15MHz+15MHz	28M7W7D	-	0.1153
15MHz+20MHz	32M9W7D	-	0.2099
15MHz+10MHz	23M5W7D	-	0.1159
20MHz+10MHz	28M2W7D	-	0.1239
20MHz+15MHz	32M7W7D	-	0.2046
20MHz+20MHz	37M7W7D	-	0.2032

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	23M4G7D	-	0.2606	23M3W7D	-	0.2630
10MHz+20MHz	28M1G7D	-	0.2594	28M1W7D	-	0.2624
10MHz+15MHz	23M5G7D	-	0.2588	23M6W7D	-	0.2636
15MHz+15MHz	28M7G7D	-	0.2582	28M8W7D	-	0.2606
15MHz+20MHz	32M9G7D	-	0.2606	32M9W7D	-	0.2630
15MHz+10MHz	23M6G7D	-	0.2600	23M5W7D	-	0.2564
20MHz+5MHz	23M5G7D	-	0.2630	23M4W7D	-	0.2630
20MHz+10MHz	28M2G7D	-	0.2630	28M3W7D	-	0.2600
20MHz+15MHz	32M9G7D	-	0.2630	32M9W7D	-	0.2618
20MHz+20MHz	38M0G7D	-	0.2655	37M9W7D	-	0.2594

LTE Band 41 CA	64QAM		
BW (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
5MHz+20MHz	23M3W7D	-	0.1702
10MHz+20MHz	28M2W7D	-	0.1941
10MHz+15MHz	23M5W7D	-	0.1671
15MHz+15MHz	28M7W7D	-	0.1766
15MHz+20MHz	32M9W7D	-	0.1698
15MHz+10MHz	23M5W7D	-	0.1698
20MHz+5MHz	23M3W7D	-	0.1932
20MHz+10MHz	28M2W7D	-	0.2042
20MHz+15MHz	32M9W7D	-	0.1679
20MHz+20MHz	37M9W7D	-	0.1820

Note:

1. LTE Band 26 overlaps the entire frequency range of LTE Band 5. Therefore, the test results provided in this report covers Band 5 and the portion of Band 26 subject to Part 22.
2. LTE Band 66 overlaps the entire frequency range of LTE Band 4. Therefore, the test results provided in this report covers Band 66 as well as Band 4.
3. LTE Band 25 overlaps the entire frequency range of LTE Band 2. Therefore, the test results provided in this report covers Band 25 as well as Band 2.
4. LTE Band 12 overlaps the entire frequency range of LTE Band 17. Therefore, the test results provided in this report covers Band 12 as well as Band 17.
5. LTE Band 41 overlaps the entire frequency range of LTE Band 38. Therefore, the test results provided in this report covers Band 41 as well as Band 38.

1.7 Testing Location

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

Test Firm	Sporton International (Kunshan) Inc.		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158 FAX : +86-512-57900958		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	TH01-KS 03CH06-KS	CN1257	314309

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(M), 27(F), 27(H), 27(N)
- ANSI C63.26-2015
- FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
- FCC KDB 412172 D01 Determining ERP and EIRP v01r01

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

2.1 Test Mode

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

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

Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Max. Output Power	2	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	5	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v
	7	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	12	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v
	13	-	-	v	v	-	-	v	v	v	v	v	v	v	v	v
	17	-	-	v	v	-	-	v	v	v	v	v	v	v	v	v
	25	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	26	v	v	v	v	v	-	v	v	v	v	v	v	v	v	v
	38	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	41	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	66	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	71	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	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	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
	66						v	v	v	v	v		v	v	v	v
	71	-	-				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	7	-	-	v	v	v	v	v	v	v			v	v	v	v
	12	v	v	v	v	-	-	v	v	v			v	v	v	v
	13	-	-	v	v	-	-	v	v	v			v	v	v	v
	25	v	v	v	v	v	v	v	v	v			v	v	v	v
	26	v	v	v	v	v	-	v	v	v			v	v	v	v
	41	-	-	v	v	v	v	v	v	v			v	v	v	v
	66	v	v	v	v	v	v	v	v	v			v	v	v	v
	71	-	-	v	v	v	v	v	v	v			v	v	v	v
Conducted Band Edge	7	-	-	v	v	v	v	v	v	v	v		v	v		v
	12	v	v	v	v	-	-	v	v	v	v		v	v		v
	13	-	-	v	v	-	-	v	v	v	v		v	v		v
	25	v	v	v	v	v	v	v	v	v	v		v	v		v
	26	v	v	v	v	v	-	v	v	v	v		v	v		v
	41	-	-	v	v	v	v	v	v	v	v		v	v		v
	66	v	v	v	v	v	v	v	v	v	v		v	v		v
	71	-	-	v	v	v	v	v	v	v	v		v	v		v

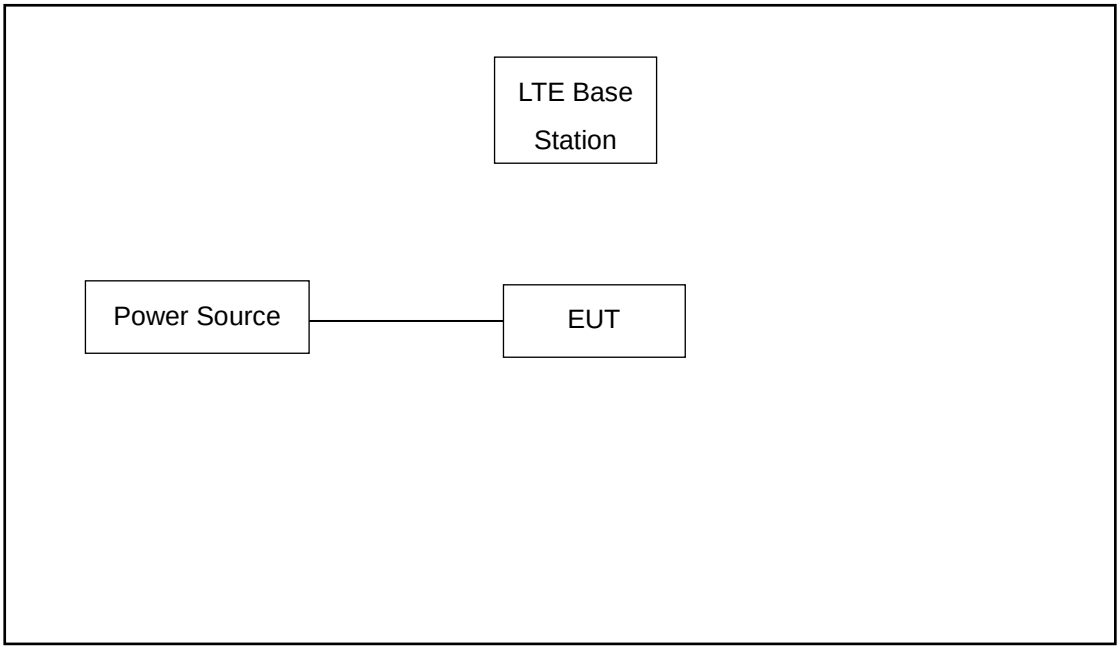
Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Conducted Spurious Emission	7	-	-	v	v	v	v	v	v	v	v			v	v	v
	12	v	v	v	v	-	-	v	v	v	v			v	v	v
	13	-	-	v	v	-	-	v	v	v	v			v	v	v
	25	v	v	v	v	v	v	v	v	v	v			v	v	v
	26	v	v	v	v	v	-	v	v	v	v			v	v	v
	41	-	-	v	v	v	v	v	v	v	v			v	v	v
	66	v	v	v	v	v	v	v	v	v	v			v	v	v
	71	-	-	v	v	v	v	v	v	v	v			v	v	v
Frequency Stability	7	-	-		v			v					v		v	
	12				v	-	-	v					v		v	
	13	-	-		v	-	-	v					v		v	
	25				v			v					v		v	
	26				v		-	v					v		v	
	41	-	-		v			v					v		v	
	66				v			v					v		v	
	71	-	-		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	7	-	-	v	v	v	v	v	v	v	v			v	v	v
	12	v	v	v	v	-	-	v	v	v	v			v	v	v
	13	-	-	v		-	-	v	v	v	v			v	v	v
					v			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
	66	v	v	v	v	v	v	v	v	v	v			v	v	v
	71	-	-	v	v	v	v	v	v	v	v			v	v	v
Radiated Spurious Emission	7	Worst Case												v	v	v
	12	Worst Case												v	v	v
	13	Worst Case												v	v	v
															v	
	25	Worst Case												v	v	v
	26	Worst Case												v	v	v
	41	Worst Case												v	v	v
	66	Worst Case												v	v	v
	71	Worst Case												v	v	v
Note	1. The mark "**v** " means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. 4. LTE Band 26 overlaps the entire frequency range of LTE Band 5. Therefore, the test results provided in this report covers Band 5 and the portion of Band 26 subject to Part 22. 5. LTE Band 66 overlaps the entire frequency range of LTE Band 4. Therefore, the test results provided in this report covers Band 66 as well as Band 4. 6. LTE Band 25 overlaps the entire frequency range of LTE Band 2. Therefore, the test results provided in this report covers Band 25 as well as Band 2. 7. LTE Band 12 overlaps the entire frequency range of LTE Band 17. Therefore, the test results provided in this report covers Band 12 as well as Band 17. 8. LTE Band 41 overlaps the entire frequency range of LTE Band 38. Therefore, the test results provided in this report covers Band 41 as well as Band 38.															

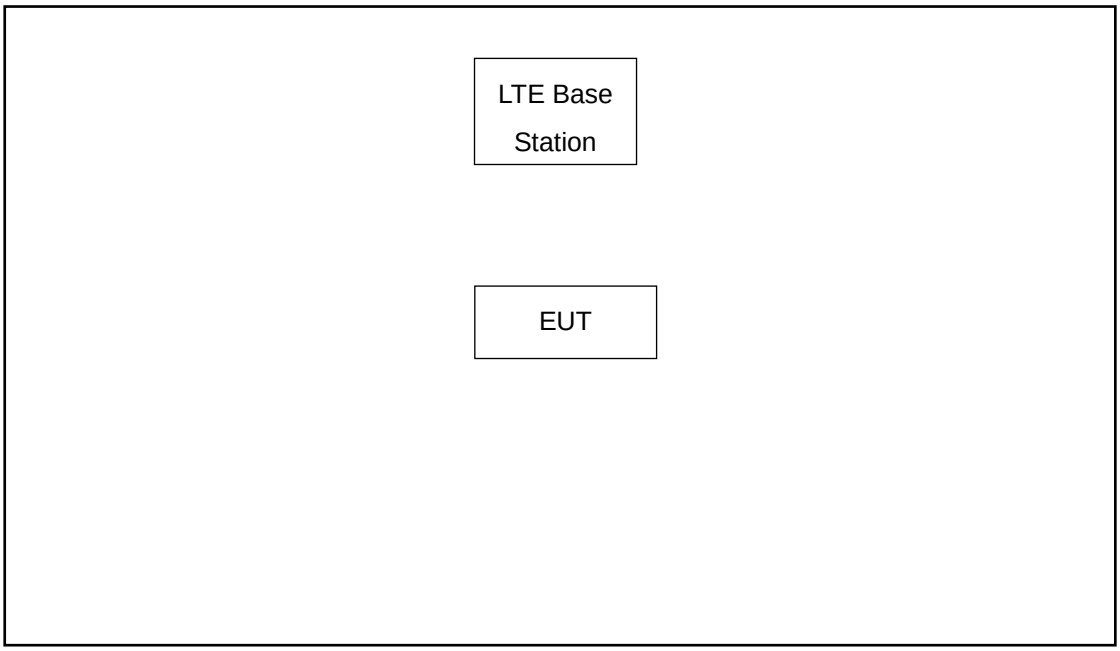
Test Items	Band	Bandwidth (MHz)										Modulation			RB #			Test Channel		
		20+20	20+15	15+20	20+10	10+20	20+5	5+20	15+15	15+10	10+15	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Max. Output Power	7C_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	v	v	v	v	v	v
	41C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
26dB and 99% Bandwidth	7C_CA	v	v	v	v	v	-	-	v	v	-	v	v	v			v	v	v	v
	41C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v			v	v	v	v
Conducted Band Edge	7C_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	v		v	v		v
	41C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v		v	v		v
Conducted Spurious Emission	7C_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	v			v	v	v
	41C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v			v	v	v
E.I.R.P.	7C_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	v			v	v	v
	41C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v			v	v	v
Radiated Spurious Emission	7C_CA	Worst Case																v	v	v
	41C_CA	Worst Case																v	v	v
Note	1. The mark "**v** " means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.																			

2.2 Connection Diagram of Test System

For Band 7/12/13/25/41/66/71



For Band 26



2.3 Support Unit used in test configuration and system

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

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 5.5 dB.

Example :

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

= 5.5 (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	40140	40640	41140
	Frequency	2545	2595	2645
15	Channel	40115	40640	41165
	Frequency	2542.5	2595	2647.5
10	Channel	40090	40640	41190
	Frequency	2540	2595	2650
5	Channel	40065	40640	41215
	Frequency	2537.5	2595	2652.5

LTE Band 66 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
20	Channel	132072	132322	132572
	Frequency	1720	1745	1770
15	Channel	132047	132322	132597
	Frequency	1717.5	1745	1772.5
10	Channel	132022	132322	132622
	Frequency	1715	1745	1775
5	Channel	131997	132322	132647
	Frequency	1712.5	1745	1777.5
3	Channel	131987	132322	132657
	Frequency	1711.5	1745	1778.5
1.4	Channel	131979	132322	132665
	Frequency	1710.7	1745	1779.3

LTE Band 71 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
20	Channel	133222	133322	133372
	Frequency	673.0	680.5	688.0
15	Channel	133197	133297	133397
	Frequency	670.5	680.5	690.5
10	Channel	133172	133272	133422
	Frequency	668.0	678.0	693.0
5	Channel	133147	133247	133447
	Frequency	665.5	675.5	695.5

LTE Band 7C_CA Channel and Frequency List					
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 41C_CA Channel and Frequency List					
BW [MHz]	**Channel/Frequency(MHz)**		**Lowest**	**Middle**	**Highest**
20 + 20	PCC	Channel	40140	40521	41140
		Frequency	2545	2583.1	2645
	SCC	Channel	40338	40719	40942
		Frequency	2564.8	2602.9	2625.2
20 + 15	PCC	Channel	40140	40546	41140
		Frequency	2545	2585.6	2645
	SCC	Channel	40311	40717	40969
		Frequency	2562.1	2602.7	2627.9
15 + 20	PCC	Channel	40115	40523	41165
		Frequency	2542.5	2583.3	2647.5
	SCC	Channel	40286	40694	40994
		Frequency	2559.6	2600.4	2630.4
20 + 10	PCC	Channel	40140	40571	41140
		Frequency	2545	2588.1	2645
	SCC	Channel	40284	40715	40996
		Frequency	2559.4	2602.5	2630.6
10 + 20	PCC	Channel	40090	40526	41190
		Frequency	2540	2583.6	2650
	SCC	Channel	40234	40670	41046
		Frequency	2554.4	2598	2645.6

LTE Band 41C_CA Channel and Frequency List					
20 + 5	PCC	Channel	40140	40595	41140
		Frequency	2545	2590.5	2645
	SCC	Channel	40257	40712	41023
		Frequency	2558.5	2602.2	2633.3
5 + 20	PCC	Channel	40065	40528	41215
		Frequency	2537.5	2583.8	2652.5
	SCC	Channel	40182	40645	41098
		Frequency	2549.2	2595.5	2640.8
15 + 15	PCC	Channel	40115	40545	41165
		Frequency	2542.5	2585.5	2647.5
	SCC	Channel	40265	40695	41015
		Frequency	2557.5	2600.5	2632.5
10 + 15	PCC	Channel	40090	40549	41190
		Frequency	2540	2585.9	2650
	SCC	Channel	40210	40669	41070
		Frequency	2552	2597.9	2638
15 + 10	PCC	Channel	40115	40571	41165
		Frequency	2542.5	2588.1	2647.5
	SCC	Channel	40235	40691	41045
		Frequency	2554.5	2600.1	2635.5

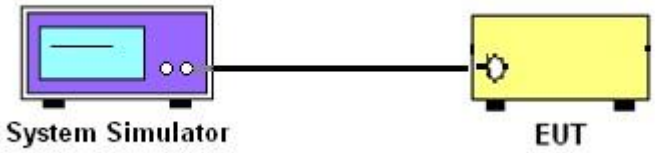
3 Conducted Test Items

3.1 Measuring Instruments

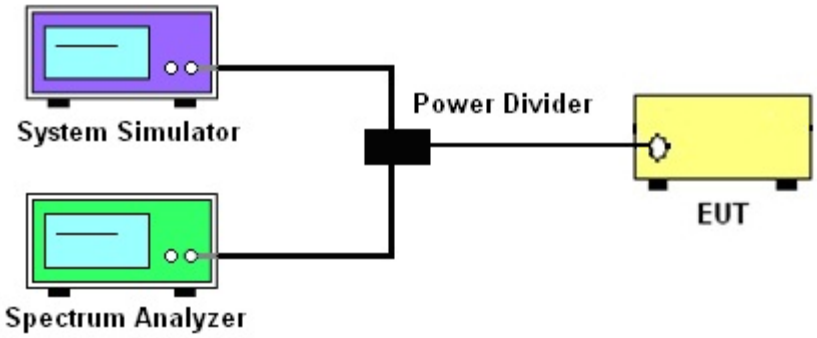
See list of measuring instruments of this test report.

3.2 Test Setup

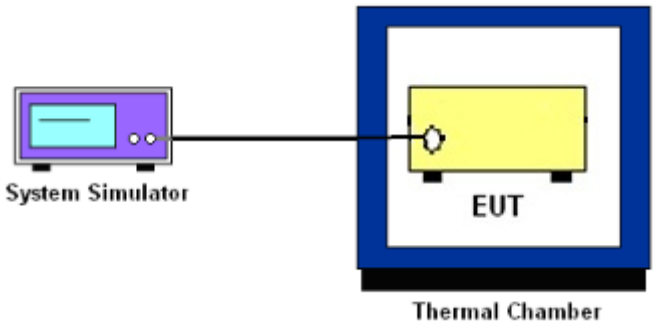
3.2.1 Conducted Output Power



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 and Band 71.

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 and Band 66.

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

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

1. The testing follows ANSI C63.26 Section 5.2.3.4 (CCDF).
2. The EUT was connected to spectrum and system simulator via a power divider.
3. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
4. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.
5. 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

1. The testing follows ANSI C63.26 Section 5.4
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. 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.
4. 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.
5. Set the detection mode to peak, and the trace mode to max hold.
6. 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)
7. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
8. 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.
9. 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 600MHz band and 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

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The band edges of low and high channels for the highest RF powers were measured.
4. Set RBW >= 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
5. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
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. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
9. Checked that all the results comply with the emission limit line.
   Example:
   The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
   = P(W)- [43 + 10log(P)] (dB)
   = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB) = -13dBm.
10. 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

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. 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.
4. The middle channel for the highest RF power within the transmitting frequency was measured.
5. The conducted spurious emission for the whole frequency range was taken.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
7. Set spectrum analyzer with RMS detector.
8. Offset has included the duty factor for LTE Band 38/41. Duty factor =10 log (1/x), where x is the measured duty cycle
9. Taking the record of maximum spurious emission.
10. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
11. The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [43 + 10log(P)] (dB)
    = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
    = -13dBm.
12. For Band 7, 38, 41
    The limit line is derived from 55 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [55+ 10log(P)] (dB)
    = [30+ 10log(P)] (dBm) - [55+ 10log(P)] (dB)
    = -25dBm.

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

1. The testing follows ANSI C63.26 section 5.6.4
2. The EUT was set up in the thermal chamber and connected with the system simulator.
3. 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.
4. 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

1. The testing follows ANSI C63.26 section 5.6.5
2. The EUT was placed in a temperature chamber at 20±5°C and connected with the system simulator.
3. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value for other than hand carried battery equipment.
4. For hand carried, battery powered equipment, reduce the primary ac or dc supply voltage to the battery operating end point, which shall be specified by the manufacturer.
5. The variation in frequency was measured for the worst case.

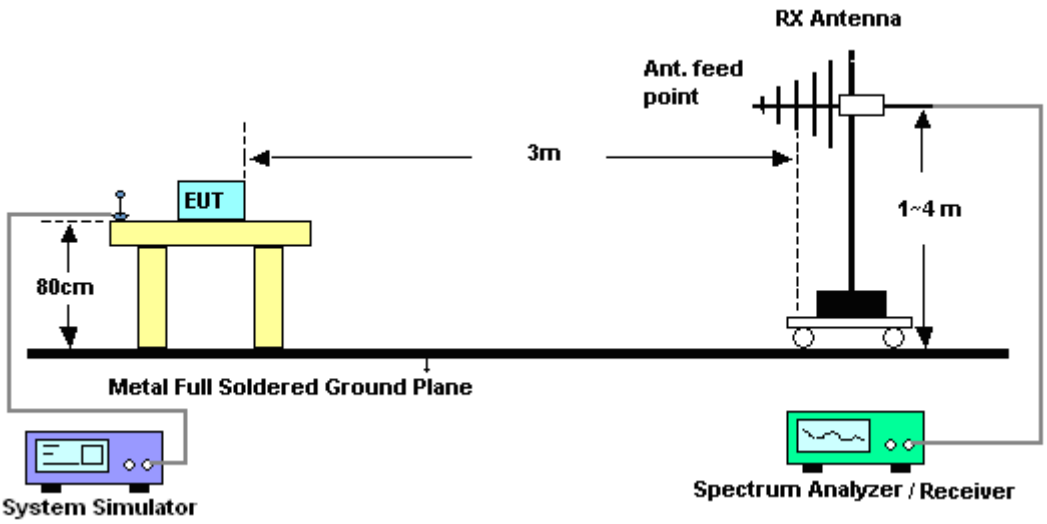
4 Radiated Test Items

4.1 Measuring Instruments

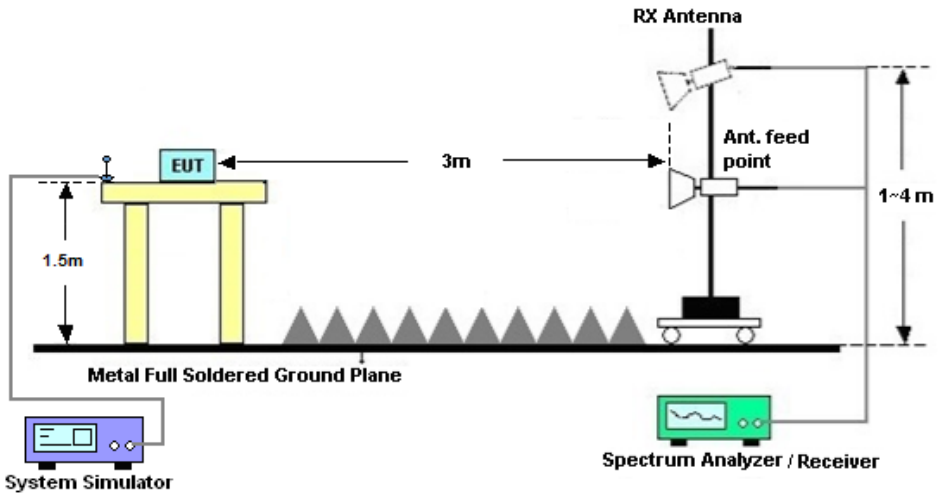
See list of measuring instruments of this test report.

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 C63.26. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least 43 + 10 log (P) dB.

For Band 7, 38, 41

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

For LTE Band 13

For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to −70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and −80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

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

4.4.2 Test Procedures

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

5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Aug. 07, 2018	Jun. 28, 2019~ Jul. 24, 2019	Aug. 06, 2019	Conducted (TH01-KS)
Thermal Chamber	Ten Billion	TTC-B3S	TBN-960502	-40~+150°C	Nov. 19, 2018	Jun. 28, 2019~ Jul. 24, 2019	Nov. 18, 2019	Conducted (TH01-KS)
EXA Spectrum Analyzer	Keysight	N9010B	MY57471084	10Hz-44GHz	Apr. 16, 2019	Jun. 23, 2019~ Jul. 22, 2019	Apr. 18, 2020	Radiation (03CH06-KS)
Bilog Antenna	TeseQ	CBL6111D	44483	30MHz-1GHz	Dec. 28, 2018	Jun. 23, 2019~ Jul. 22, 2019	Dec. 27, 2019	Radiation (03CH06-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	75957	1GHz~18GHz	Oct. 20, 2018	Jun. 23, 2019~ Jul. 22, 2019	Oct. 19, 2019	Radiation (03CH06-KS)
SHF-EHF Horn	Com-power	AH-840	101070	18GHz~40GHz	Jan. 05, 2019	Jun. 23, 2019~ Jul. 22, 2019	Jan. 04, 2020	Radiation (03CH06-KS)
Amplifier	SONOMA	310N	187289	9KHz ~1GHZ	Aug. 06, 2018	Jun. 23, 2019~ Jul. 22, 2019	Aug. 05, 2019	Radiation (03CH06-KS)
Amplifier	MITEQ	TTA1840-35-HG	2014749	18~40GHz	Jan. 14, 2019	Jun. 23, 2019~ Jul. 22, 2019	Jan. 13, 2020	Radiation (03CH06-KS)
high gain Amplifier	MITEQ	AMF-7D-00101800-30-10P	2025788	1Ghz-18Ghz	Apr. 17, 2019	Jun. 23, 2019~ Jul. 22, 2019	Apr. 16, 2020	Radiation (03CH06-KS)
Amplifier	Keysight	83017A	MY53270203	500MHz~26.5GHz	Apr. 15, 2019	Jun. 23, 2019~ Jul. 22, 2019	Apr. 14, 2020	Radiation (03CH06-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Jun. 23, 2019~ Jul. 22, 2019	NCR	Radiation (03CH06-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Jun. 23, 2019~ Jul. 22, 2019	NCR	Radiation (03CH06-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Jun. 23, 2019~ Jul. 22, 2019	NCR	Radiation (03CH06-KS)

NCR: No Calibration Required

6 Uncertainty of Evaluation

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.5 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.1 dB**

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	23.53	23.57	23.53
20	1	49		23.45	23.58	23.51
20	1	99		23.51	23.57	23.38
20	50	0		22.65	22.67	22.68
20	50	24		22.69	22.73	22.68
20	50	50		22.69	22.77	22.68
20	100	0		22.66	22.74	22.65
20	1	0	16-QAM	22.77	22.74	22.67
20	1	49		22.68	22.77	22.64
20	1	99		22.76	22.73	22.62
20	50	0		21.63	21.71	21.65
20	50	24		21.64	21.70	21.71
20	50	50		21.70	21.74	21.71
20	100	0		21.66	21.67	21.64
20	1	0	64QAM	21.67	21.71	21.69
20	1	49		21.65	21.78	21.73
20	1	99		21.72	21.68	21.30
20	50	0		20.62	20.70	20.68
20	50	24		20.66	20.70	20.74
20	50	50		20.66	20.75	20.72
20	100	0		20.55	20.75	20.67
15	1	0	QPSK	23.32	23.40	23.31
15	1	37		23.21	23.42	23.36
15	1	74		23.35	23.35	23.10
15	36	0		22.41	22.47	22.38
15	36	20		22.40	22.48	22.42
15	36	39		22.44	22.54	22.46
15	75	0		22.39	22.52	22.46

15	1	0		22.60	22.57	22.54
15	1	37		22.42	22.63	22.49
15	1	74		22.57	22.56	22.39
15	36	0	**16-QAM**	21.33	21.40	21.39
15	36	20		21.40	21.43	21.38
15	36	39		21.41	21.49	21.50
15	75	0		21.37	21.47	21.38
15	1	0		21.62	21.69	21.65
15	1	37		21.46	21.62	21.75
15	1	74		21.71	21.57	21.27
15	36	0	**64QAM**	20.57	20.64	20.67
15	36	20		20.50	20.68	20.56
15	36	39		20.64	20.68	20.53
15	75	0		20.56	20.63	20.61

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.14	23.17	23.25
10	1	25		23.32	23.35	23.24
10	1	49		23.20	23.24	22.98
10	25	0		22.38	22.37	22.36
10	25	12		22.41	22.39	22.32
10	25	25		22.32	22.37	22.30
10	50	0		22.37	22.36	22.31
10	1	0	16-QAM	22.57	22.35	22.69
10	1	25		22.51	22.55	22.50
10	1	49		22.33	22.58	22.33
10	25	0		21.35	21.38	21.35
10	25	12		21.39	21.38	21.33
10	25	25		21.36	21.38	21.29
10	50	0		21.35	21.33	21.35
10	1	0	64QAM	21.52	21.55	21.64
10	1	25		21.46	21.46	21.48
10	1	49		21.55	21.65	21.28
10	25	0		20.53	20.42	20.56
10	25	12		20.54	20.59	20.58
10	25	25		20.37	20.57	20.52
10	50	0		20.52	20.56	20.37
5	1	0	QPSK	23.16	23.20	23.16
5	1	12		23.24	23.27	23.13
5	1	24		23.29	23.36	22.97
5	12	0		22.25	22.34	22.20
5	12	7		22.38	22.31	22.30
5	12	13		22.31	22.41	22.04
5	25	0		22.34	22.34	22.15
5	1	0	16-QAM	22.43	22.34	22.42
5	1	12		22.49	22.46	22.52
5	1	24		22.44	22.44	22.16
5	12	0		21.26	21.33	21.28
5	12	7		21.38	21.40	21.34

5	12	13		21.32	21.42	21.19
5	25	0		21.32	21.35	21.25
5	1	0		21.59	21.55	21.52
5	1	12		21.43	21.49	21.43
5	1	24		21.23	21.58	21.62
5	12	0	64QAM	20.51	20.56	20.39
5	12	7		20.53	20.57	20.56
5	12	13		20.47	20.40	20.54
5	25	0		20.32	20.55	20.53

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	23.25	23.20	23.18
3	1	8		23.42	23.41	23.28
3	1	14		23.33	23.38	22.98
3	8	0		22.35	22.34	22.32
3	8	4		22.36	22.44	22.17
3	8	7		22.37	22.42	22.07
3	15	0		22.38	22.30	22.09
3	1	0	16-QAM	22.49	22.39	22.49
3	1	8		22.57	22.50	22.35
3	1	14		22.54	22.54	22.08
3	8	0		21.36	21.32	21.36
3	8	4		21.46	21.42	21.28
3	8	7		21.42	21.48	21.22
3	15	0		21.40	21.37	21.26
3	1	0	64QAM	21.37	21.40	21.51
3	1	8		21.36	21.49	21.44
3	1	14		21.40	21.39	21.12
3	8	0		20.38	20.42	20.36
3	8	4		20.35	20.46	20.34
3	8	7		20.35	20.45	20.21
3	15	0		20.29	20.35	20.30
1.4	1	0	QPSK	23.46	23.46	23.21
1.4	1	3		23.55	23.56	23.23
1.4	1	5		23.50	23.51	23.13
1.4	3	0		23.45	23.47	23.08
1.4	3	1		23.50	23.53	23.05
1.4	3	3		23.50	23.50	23.09
1.4	6	0		22.57	22.49	22.29
1.4	1	0	16-QAM	22.68	22.61	22.45
1.4	1	3		22.67	22.71	22.40
1.4	1	5		22.72	22.65	22.26
1.4	3	0		22.46	22.41	22.28
1.4	3	1		22.49	22.51	22.29

1.4	3	3		22.41	22.44	22.20
1.4	6	0		21.63	21.60	21.38
1.4	1	0		21.57	21.62	21.28
1.4	1	3		21.66	21.65	21.21
1.4	1	5		21.61	21.64	21.16
1.4	3	0	64QAM	21.51	21.55	21.15
1.4	3	1		21.59	21.64	21.19
1.4	3	3		21.64	21.62	21.18
1.4	6	0		20.46	20.53	20.08

LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.85	23.78	23.99
20	1	49		23.88	23.86	23.86
20	1	99		23.96	23.90	23.80
20	50	0		23.04	23.06	23.05
20	50	24		23.08	23.09	23.07
20	50	50		23.04	23.02	23.02
20	100	0		23.02	23.06	23.06
20	1	0	16-QAM	23.05	23.17	23.17
20	1	49		23.04	23.18	23.15
20	1	99		23.05	23.09	23.06
20	50	0		22.04	22.04	22.01
20	50	24		22.04	22.08	22.06
20	50	50		22.01	22.04	22.01
20	100	0		22.04	22.00	21.99
20	1	0	64QAM	22.23	22.25	22.29
20	1	49		22.26	22.22	22.36
20	1	99		22.40	22.42	22.32
20	50	0		21.21	21.25	21.21
20	50	24		21.25	21.29	21.23
20	50	50		21.27	21.20	21.23
20	100	0		21.09	21.14	21.20
15	1	0	QPSK	23.90	23.86	23.92
15	1	37		23.87	23.83	23.76
15	1	74		23.94	23.96	23.90
15	36	0		23.05	23.02	23.03
15	36	20		23.07	23.11	23.06
15	36	39		22.98	23.09	23.02
15	75	0		23.00	23.07	23.04
15	1	0	16-QAM	23.14	23.22	23.21
15	1	37		23.13	23.01	23.10
15	1	74		23.19	23.17	23.17
15	36	0		21.93	22.01	22.04
15	36	20		21.95	22.01	22.05

15	36	39		21.97	22.09	21.96
15	75	0		21.99	22.06	21.99
15	1	0		22.10	22.15	22.33
15	1	37		22.06	22.22	22.33
15	1	74		22.06	22.47	22.30
15	36	0	64QAM	21.20	21.25	21.24
15	36	20		21.25	21.23	21.27
15	36	39		21.04	21.19	21.23
15	75	0		21.08	21.16	21.19

LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.66	23.73	23.81
10	1	25		23.74	23.85	23.83
10	1	49		23.71	23.75	23.71
10	25	0		22.82	22.94	22.89
10	25	12		22.80	22.99	22.94
10	25	25		22.79	22.89	22.86
10	50	0		22.82	22.93	22.91
10	1	0	16-QAM	22.90	23.08	23.05
10	1	25		23.00	23.16	22.95
10	1	49		22.74	23.08	22.92
10	25	0		21.81	21.93	21.95
10	25	12		21.86	21.96	21.90
10	25	25		21.79	21.89	21.86
10	50	0		21.87	21.89	21.88
10	1	0	64QAM	22.12	22.19	22.15
10	1	25		22.28	22.12	22.17
10	1	49		22.15	22.17	22.23
10	25	0		21.06	21.04	21.02
10	25	12		21.09	21.14	21.09
10	25	25		21.00	21.07	21.02
10	50	0		21.03	21.01	21.05
5	1	0	QPSK	23.73	23.85	23.83
5	1	12		23.80	23.88	23.85
5	1	24		23.78	23.78	23.77
5	12	0		22.78	22.89	22.86
5	12	7		22.93	22.96	22.91
5	12	13		22.88	22.94	22.89
5	25	0		22.92	22.94	22.82
5	1	0	16-QAM	22.93	23.08	22.98
5	1	12		23.00	23.14	23.09
5	1	24		23.02	23.07	22.97
5	12	0		21.81	21.91	21.88
5	12	7		21.94	21.92	21.92

5	12	13		21.87	21.92	21.90
5	25	0		21.91	21.90	21.84
5	1	0		22.05	22.11	22.14
5	1	12		22.13	22.16	22.20
5	1	24		22.15	22.22	22.16
5	12	0	64QAM	20.96	21.08	21.17
5	12	7		21.09	21.09	21.14
5	12	13		21.05	21.18	21.12
5	25	0		21.07	21.09	21.05

LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	23.59	23.81	23.82
3	1	8		23.80	23.97	23.94
3	1	14		23.72	23.82	23.78
3	8	0		22.76	22.92	22.86
3	8	4		22.82	22.97	22.95
3	8	7		22.83	22.96	22.88
3	15	0		22.82	22.90	22.90
3	1	0	16-QAM	22.79	23.03	23.05
3	1	8		23.05	23.18	23.10
3	1	14		22.93	23.09	23.05
3	8	0		21.82	21.91	21.87
3	8	4		21.91	22.01	21.96
3	8	7		21.84	22.00	21.90
3	15	0		21.84	21.94	21.87
3	1	0	64QAM	22.13	22.12	22.16
3	1	8		22.30	22.26	22.37
3	1	14		22.09	22.01	22.04
3	8	0		21.08	21.10	21.09
3	8	4		21.15	21.15	21.00
3	8	7		21.06	21.22	21.13
3	15	0		21.06	21.03	21.08
1.4	1	0	QPSK	23.63	23.79	23.62
1.4	1	3		23.85	23.87	23.84
1.4	1	5		23.72	23.77	23.73
1.4	3	0		23.73	23.78	23.72
1.4	3	1		23.84	23.91	23.86
1.4	3	3		23.77	23.85	23.79
1.4	6	0		22.84	22.94	22.79
1.4	1	0	16-QAM	22.84	22.93	22.92
1.4	1	3		23.01	23.19	23.11
1.4	1	5		22.89	23.03	23.00
1.4	3	0		22.79	22.86	22.62
1.4	3	1		22.86	22.87	22.85

1.4	3	3		22.74	22.83	22.79
1.4	6	0		21.86	21.95	21.85
1.4	1	0		22.02	22.16	22.00
1.4	1	3		22.17	22.03	22.10
1.4	1	5		22.14	22.14	22.09
1.4	3	0	64QAM	22.10	22.12	22.06
1.4	3	1		22.14	22.20	22.19
1.4	3	3		22.09	22.22	22.16
1.4	6	0		21.00	21.10	20.97

LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	24.98	24.34	24.84
10	1	25		24.49	24.30	24.60
10	1	49		24.02	24.84	24.20
10	25	0		24.11	23.45	24.09
10	25	12		23.76	23.64	23.84
10	25	25		23.37	23.84	23.45
10	50	0		23.59	23.62	23.59
10	1	0	16-QAM	24.42	23.63	24.10
10	1	25		24.02	23.65	23.86
10	1	49		23.60	24.18	23.55
10	25	0		22.99	22.61	22.96
10	25	12		23.00	22.76	22.94
10	25	25		22.67	22.93	22.60
10	50	0		22.95	22.75	22.81
10	1	0	64QAM	23.61	22.77	23.13
10	1	25		23.07	22.69	22.93
10	1	49		22.66	23.19	22.58
10	25	0		21.99	21.60	21.94
10	25	12		21.97	21.74	21.93
10	25	25		21.62	21.94	21.56
10	50	0		21.96	21.77	21.83
5	1	0	QPSK	24.82	24.37	24.63
5	1	12		24.93	24.43	24.43
5	1	24		24.65	24.73	24.17
5	12	0		24.44	23.59	23.69
5	12	7		24.38	23.68	23.58
5	12	13		24.08	23.75	23.44
5	25	0		24.06	23.59	23.43
5	1	0	16-QAM	24.54	23.59	23.71
5	1	12		24.47	23.74	23.68
5	1	24		24.05	24.05	23.41
5	12	0		23.70	22.70	22.79
5	12	7		23.56	22.83	22.69

5	12	13		23.24	22.96	22.46
5	25	0		22.97	22.75	22.51
5	1	0		23.67	22.73	22.80
5	1	12		23.57	22.69	22.66
5	1	24		23.09	22.96	22.44
5	12	0	64QAM	22.71	21.71	21.82
5	12	7		22.55	21.84	21.68
5	12	13		22.23	21.96	21.45
5	25	0		21.99	21.73	21.50

LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	23.68	24.48	24.47
3	1	8		23.72	24.92	24.22
3	1	14		23.67	24.58	24.44
3	8	0		24.50	23.68	23.41
3	8	4		23.74	23.72	23.37
3	8	7		24.10	23.67	23.39
3	15	0		23.78	24.50	24.38
3	1	0	16-QAM	24.60	23.70	23.62
3	1	8		24.81	23.90	23.48
3	1	14		24.57	23.92	23.40
3	8	0		23.75	22.73	22.59
3	8	4		23.76	22.85	22.52
3	8	7		23.64	22.90	22.41
3	15	0		23.63	22.79	22.45
3	1	0	64QAM	23.78	22.76	22.68
3	1	8		23.84	22.84	22.51
3	1	14		23.55	22.92	22.34
3	8	0		22.71	21.75	21.56
3	8	4		22.70	21.81	21.48
3	8	7		22.58	21.87	21.38
3	15	0		22.59	21.77	21.46
1.4	1	0	QPSK	24.71	24.56	24.19
1.4	1	3		24.73	24.53	24.13
1.4	1	5		24.73	24.51	24.09
1.4	3	0		24.81	24.47	24.10
1.4	3	1		24.85	24.41	24.11
1.4	3	3		24.81	24.43	24.09
1.4	6	0		24.86	24.47	24.07
1.4	1	0	16-QAM	24.77	23.75	23.39
1.4	1	3		24.79	23.88	23.49
1.4	1	5		24.81	23.83	23.37
1.4	3	0		24.61	23.62	23.18
1.4	3	1		24.62	23.66	23.26

1.4	3	3		24.52	23.63	23.21
1.4	6	0		23.72	22.76	22.34
1.4	1	0		23.74	22.72	22.31
1.4	1	3		23.77	22.75	22.32
1.4	1	5		23.74	22.74	22.29
1.4	3	0	64QAM	23.68	22.68	22.24
1.4	3	1		23.68	22.72	22.28
1.4	3	3		23.54	22.63	22.24
1.4	6	0		22.66	21.71	21.26

LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	22.71	22.67	22.91
20	1	49		22.71	22.67	22.84
20	1	99		22.74	22.72	22.88
20	50	0		21.70	21.73	21.93
20	50	24		21.75	21.74	21.92
20	50	50		21.77	21.74	21.86
20	100	0		21.71	21.73	21.87
20	1	0	16-QAM	22.68	22.66	22.75
20	1	49		22.61	22.66	22.68
20	1	99		22.59	22.64	22.66
20	50	0		20.71	20.75	20.92
20	50	24		20.78	20.77	20.89
20	50	50		20.77	20.75	20.86
20	100	0		20.71	20.71	20.87
20	1	0	64QAM	21.68	21.62	21.77
20	1	49		21.62	21.59	21.75
20	1	99		21.63	21.67	21.81
20	50	0		19.69	19.73	19.90
20	50	24		19.75	19.75	19.89
20	50	50		19.77	19.74	19.84
20	100	0		19.73	19.71	19.89
15	1	0	QPSK	22.88	22.77	22.88
15	1	37		22.81	22.77	22.84
15	1	74		22.87	22.86	22.88
15	36	0		21.80	21.80	21.97
15	36	20		21.86	21.82	21.99
15	36	39		21.85	21.79	21.99
15	75	0		21.84	21.80	21.99
15	1	0	16-QAM	22.63	22.54	22.71
15	1	37		22.62	22.54	22.68
15	1	74		22.68	22.61	22.78
15	36	0		20.81	20.79	20.99
15	36	20		20.88	20.84	21.00

15	36	39		20.88	20.81	20.97
15	75	0		20.83	20.81	20.80
15	1	0		21.80	21.71	21.86
15	1	37		21.66	21.68	21.84
15	1	74		21.75	21.77	21.93
15	36	0	64QAM	19.77	19.81	19.98
15	36	20		19.85	19.82	20.00
15	36	39		19.86	19.80	19.99
15	75	0		19.83	19.81	19.99

LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	22.71	22.70	22.79
10	1	25		22.69	22.75	22.83
10	1	49		22.72	22.71	22.82
10	25	0		21.71	21.68	21.81
10	25	12		21.71	21.69	21.84
10	25	25		21.70	21.67	21.81
10	50	0		21.71	21.70	21.81
10	1	0	16-QAM	22.43	22.43	22.57
10	1	25		22.50	22.49	22.60
10	1	49		22.48	22.47	22.60
10	25	0		20.70	20.70	20.82
10	25	12		20.72	20.72	20.82
10	25	25		20.70	20.68	20.81
10	50	0		20.71	20.72	20.81
10	1	0	64QAM	21.61	21.60	21.67
10	1	25		21.63	21.61	21.74
10	1	49		21.61	21.63	21.75
10	25	0		19.72	19.68	19.81
10	25	12		19.72	19.70	19.83
10	25	25		19.70	19.70	19.79
10	50	0		19.71	19.69	19.81
5	1	0	QPSK	22.68	22.66	22.83
5	1	12		22.78	22.81	22.90
5	1	24		22.74	22.80	22.90
5	12	0		22.59	22.51	22.70
5	12	7		22.67	22.67	22.79
5	12	13		22.68	22.65	22.79
5	25	0		21.74	21.74	21.88
5	1	0	16-QAM	22.42	22.39	22.56
5	1	12		22.55	22.53	22.66
5	1	24		22.56	22.57	22.74
5	12	0		22.60	22.52	22.72
5	12	7		22.66	22.67	22.81

5	12	13		22.66	22.67	22.81
5	25	0		20.77	20.77	20.90
5	1	0		21.58	21.55	21.80
5	1	12		21.70	21.69	21.84
5	1	24		21.76	21.71	21.85
5	12	0	64QAM	21.57	21.51	21.71
5	12	7		21.65	21.66	21.80
5	12	13		21.66	21.63	21.79
5	25	0		19.79	19.74	19.89

LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	24.76	24.44	24.45
10	1	25		24.78	24.38	24.45
10	1	49		24.39	24.28	24.43
10	25	0		23.58	23.25	23.31
10	25	12		23.39	23.37	23.42
10	25	25		23.23	23.16	23.17
10	50	0		23.31	23.19	23.26
10	1	0	16-QAM	23.70	23.97	23.71
10	1	25		23.67	23.54	23.68
10	1	49		23.63	23.60	23.56
10	25	0		22.42	22.24	22.28
10	25	12		22.51	22.40	22.46
10	25	25		22.19	22.16	22.14
10	50	0		22.30	22.23	22.21
10	1	0	64QAM	22.68	22.60	22.54
10	1	25		22.59	22.53	22.50
10	1	49		22.42	22.42	22.38
10	25	0		21.28	21.20	21.21
10	25	12		21.47	21.38	21.34
10	25	25		21.17	21.09	21.10
10	50	0		21.26	21.10	21.16
5	1	0	QPSK	24.41	24.27	24.36
5	1	12		24.52	24.39	24.44
5	1	24		24.18	24.18	24.46
5	12	0		23.64	23.47	23.42
5	12	7		23.61	23.55	23.61
5	12	13		23.52	23.43	23.47
5	25	0		23.62	23.46	23.53
5	1	0	16-QAM	23.71	23.61	23.63
5	1	12		23.81	23.67	23.70
5	1	24		23.41	23.38	23.68
5	12	0		22.60	22.45	22.47
5	12	7		22.62	22.51	22.58

5	12	13		22.47	22.44	22.46
5	25	0		22.53	22.47	22.49
5	1	0		22.47	22.41	22.30
5	1	12		22.63	22.57	22.18
5	1	24		22.44	22.35	22.15
5	12	0	64QAM	21.50	21.46	21.32
5	12	7		21.60	21.53	21.25
5	12	13		21.45	21.39	21.31
5	25	0		21.51	21.43	21.13

LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	24.57	24.45	24.35
3	1	8		24.68	24.47	24.52
3	1	14		24.43	24.31	24.42
3	8	0		23.68	23.50	23.50
3	8	4		23.71	23.52	23.57
3	8	7		23.63	23.45	23.54
3	15	0		23.62	23.48	23.55
3	1	0	16-QAM	23.88	23.61	23.60
3	1	8		23.99	23.80	23.89
3	1	14		23.74	23.58	23.63
3	8	0		22.74	22.53	22.57
3	8	4		22.72	22.55	22.64
3	8	7		22.69	22.52	22.62
3	15	0		22.62	22.51	22.59
3	1	0	64QAM	22.63	22.50	22.65
3	1	8		22.74	22.56	22.72
3	1	14		22.56	22.40	22.60
3	8	0		21.44	21.42	21.63
3	8	4		21.53	21.48	21.62
3	8	7		21.55	21.43	21.61
3	15	0		21.57	21.47	21.66
1.4	1	0	QPSK	24.70	24.55	24.55
1.4	1	3		24.78	24.58	24.65
1.4	1	5		24.69	24.54	24.60
1.4	3	0		24.75	24.56	24.57
1.4	3	1		24.78	24.58	24.60
1.4	3	3		24.74	24.55	24.61
1.4	6	0		23.81	23.62	23.61
1.4	1	0	16-QAM	23.94	23.82	23.76
1.4	1	3		23.93	23.87	23.90
1.4	1	5		23.98	23.74	23.86
1.4	3	0		23.79	23.62	23.62
1.4	3	1		23.81	23.64	23.66

1.4	3	3		23.77	23.59	23.67
1.4	6	0		22.87	22.67	22.68
1.4	1	0		22.55	22.57	22.44
1.4	1	3		22.54	22.58	22.49
1.4	1	5		22.51	22.54	22.44
1.4	3	0	64QAM	22.51	22.56	22.40
1.4	3	1		22.55	22.59	22.50
1.4	3	3		22.49	22.55	22.56
1.4	6	0		21.40	21.39	21.30

LTE Band 13 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	-	23.44	-
10	1	25			24.93	
10	1	49			24.33	
10	25	0			23.54	
10	25	12			23.89	
10	25	25			23.44	
10	50	0			23.58	
10	1	0	16-QAM		22.95	
10	1	25			23.80	
10	1	49			23.24	
10	25	0			22.88	
10	25	12			23.16	
10	25	25			22.66	
10	50	0			22.70	
10	1	0	64QAM		21.26	
10	1	25			22.43	
10	1	49			21.95	
10	25	0			21.10	
10	25	12			21.45	
10	25	25			20.92	
10	50	0			21.13	
5	1	0	QPSK	23.41	24.50	24.57
5	1	12		24.11	24.88	24.21
5	1	24		24.83	24.57	24.15
5	12	0		22.88	24.13	23.52
5	12	7		23.50	24.06	23.25
5	12	13		24.02	23.66	23.24
5	25	0		23.37	23.70	23.25
5	1	0	16-QAM	22.77	23.71	23.81
5	1	12		23.47	24.29	23.70
5	1	24		24.12	24.06	23.66
5	12	0		22.07	23.22	22.85
5	12	7		22.87	23.19	22.57

5	12	13		23.16	22.94	22.54
5	25	0		22.78	23.07	22.56
5	1	0		21.02	21.96	22.48
5	1	12		21.73	22.59	22.05
5	1	24		22.34	22.20	21.94
5	12	0	**64QAM**	20.39	21.72	21.17
5	12	7		21.18	21.62	20.96
5	12	13		21.55	21.20	20.82
5	25	0		21.02	21.36	20.91

LTE Band 17 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.83	23.91	23.93
10	1	25		23.82	23.89	23.95
10	1	49		23.84	23.94	23.71
10	25	0		22.75	22.80	22.69
10	25	12		22.89	22.92	22.94
10	25	25		22.65	22.65	22.61
10	50	0		22.67	22.71	22.72
10	1	0	16-QAM	23.12	23.12	23.19
10	1	25		23.14	23.03	23.20
10	1	49		23.28	23.04	23.13
10	25	0		21.74	21.70	21.71
10	25	12		21.90	21.88	21.88
10	25	25		21.63	21.62	21.64
10	50	0		21.67	21.68	21.74
10	1	0	64QAM	22.09	22.03	22.03
10	1	25		22.02	22.06	21.87
10	1	49		21.76	22.10	21.76
10	25	0		20.73	20.72	20.73
10	25	12		20.88	20.90	20.94
10	25	25		20.55	20.60	20.62
10	50	0		20.67	20.72	20.69
5	1	0	QPSK	23.52	23.59	23.66
5	1	12		23.76	23.89	23.95
5	1	24		23.62	23.71	23.67
5	12	0		22.80	22.93	22.88
5	12	7		22.94	22.99	23.06
5	12	13		22.90	22.96	22.91
5	25	0		22.82	22.89	22.91
5	1	0	16-QAM	22.72	22.76	22.89
5	1	12		23.03	23.24	23.24
5	1	24		22.85	22.93	22.90
5	12	0		21.80	21.85	21.90
5	12	7		21.89	21.97	22.00

5	12	13		21.84	21.91	21.92
5	25	0		21.86	21.89	21.87
5	1	0		21.65	21.86	21.82
5	1	12		21.98	22.11	22.11
5	1	24		21.72	21.84	21.89
5	12	0	64QAM	20.76	20.89	20.91
5	12	7		20.92	20.99	21.05
5	12	13		20.85	20.95	20.98
5	25	0		20.83	20.87	20.89

LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.46	23.53	23.47
20	1	49		23.44	23.66	22.79
20	1	99		23.41	23.52	21.43
20	50	0		22.53	22.60	22.51
20	50	24		22.56	22.66	22.30
20	50	50		22.56	22.65	21.23
20	100	0		22.59	22.63	22.03
20	1	0	16-QAM	22.79	22.70	22.87
20	1	49		22.63	22.93	22.60
20	1	99		22.71	22.85	21.19
20	50	0		21.57	21.62	21.56
20	50	24		21.60	21.63	21.45
20	50	50		21.61	21.70	20.41
20	100	0		21.57	21.66	21.22
20	1	0	64QAM	21.47	21.66	21.15
20	1	49		21.38	21.66	20.10
20	1	99		21.40	21.48	18.29
20	50	0		20.49	20.61	20.30
20	50	24		20.54	20.66	19.53
20	50	50		20.43	20.69	18.35
20	100	0		20.39	20.48	19.41
15	1	0	QPSK	23.37	23.61	23.44
15	1	37		23.39	23.56	22.21
15	1	74		23.44	23.56	21.07
15	36	0		22.51	22.66	22.25
15	36	20		22.60	22.71	21.55
15	36	39		22.55	23.51	20.89
15	75	0		22.53	22.56	21.60
15	1	0	16-QAM	22.73	22.67	22.71
15	1	37		22.56	22.68	21.79
15	1	74		22.66	22.69	20.92
15	36	0		21.49	21.53	21.40
15	36	20		21.51	21.66	20.57

15	36	39		21.52	21.64	20.05
15	75	0		21.52	21.57	20.78
15	1	0		21.30	21.60	21.14
15	1	37		21.58	21.72	19.96
15	1	74		21.60	21.69	18.18
15	36	0	64QAM	20.45	20.61	19.71
15	36	20		20.48	20.40	18.78
15	36	39		20.39	20.64	18.30
15	75	0		20.28	20.59	18.98

LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.05	23.49	22.31
10	1	25		23.19	23.41	21.36
10	1	49		23.31	23.45	21.06
10	25	0		22.19	22.52	20.81
10	25	12		22.24	22.53	20.58
10	25	25		22.32	22.51	20.56
10	50	0		22.17	22.49	20.80
10	1	0	16-QAM	22.24	22.70	21.70
10	1	25		22.43	22.70	20.75
10	1	49		22.63	22.65	20.39
10	25	0		21.19	21.53	19.97
10	25	12		21.32	21.55	19.80
10	25	25		21.41	21.56	19.84
10	50	0		21.26	21.51	19.86
10	1	0	64QAM	21.22	21.56	20.45
10	1	25		21.35	21.63	19.21
10	1	49		21.57	21.60	18.62
10	25	0		20.20	20.52	18.64
10	25	12		20.36	20.51	18.31
10	25	25		20.45	20.52	18.21
10	50	0		20.30	20.52	18.41
5	1	0	QPSK	22.89	23.35	21.58
5	1	12		23.04	23.49	21.69
5	1	24		23.07	23.53	21.38
5	12	0		22.04	22.49	20.71
5	12	7		22.15	22.54	20.84
5	12	13		22.15	22.59	20.78
5	25	0		22.07	22.48	20.74
5	1	0	16-QAM	22.16	22.61	21.00
5	1	12		22.36	22.77	21.05
5	1	24		22.46	22.80	20.77
5	12	0		21.24	21.47	19.91
5	12	7		21.38	21.54	20.08

5	12	13		21.38	21.57	20.02
5	25	0		21.29	21.51	19.93
5	1	0		21.25	21.53	19.59
5	1	12		21.35	21.70	19.68
5	1	24		21.37	21.72	19.41
5	12	0	64QAM	20.25	20.44	18.56
5	12	7		20.36	20.52	18.74
5	12	13		20.36	20.56	18.65
5	25	0		20.29	20.52	18.54

LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	23.29	23.33	21.99
3	1	8		23.37	23.45	21.96
3	1	14		23.31	23.35	21.86
3	8	0		23.32	23.38	21.96
3	8	4		23.37	23.46	22.11
3	8	7		23.33	23.39	22.02
3	15	0		22.38	22.43	21.14
3	1	0	16-QAM	22.59	22.52	21.37
3	1	8		22.62	22.63	21.34
3	1	14		22.60	22.62	21.26
3	8	0		22.34	22.39	21.15
3	8	4		22.40	22.47	21.18
3	8	7		22.37	22.39	21.12
3	15	0		21.49	21.51	20.28
3	1	0	64QAM	21.47	21.51	19.89
3	1	8		21.57	21.55	19.91
3	1	14		21.55	21.49	19.86
3	8	0		20.38	20.44	18.82
3	8	4		20.45	20.50	18.92
3	8	7		20.39	20.47	18.74
3	15	0		20.39	20.45	17.81
1.4	1	0	QPSK	23.45	23.54	22.16
1.4	1	3		23.56	23.65	22.12
1.4	1	5		23.50	23.56	22.03
1.4	3	0		23.51	23.57	22.14
1.4	3	1		23.60	23.63	22.32
1.4	3	3		23.53	23.62	22.23
1.4	6	0		22.58	22.64	21.38
1.4	1	0	16-QAM	22.72	22.77	21.61
1.4	1	3		22.83	22.90	21.60
1.4	1	5		22.77	22.76	21.50
1.4	3	0		22.53	22.60	21.39
1.4	3	1		22.59	22.65	21.41

1.4	3	3		22.58	22.61	21.31
1.4	6	0		21.68	21.72	20.46
1.4	1	0	64QAM	21.66	21.72	20.16
1.4	1	3		21.73	21.80	20.07
1.4	1	5		21.67	21.69	20.00
1.4	3	0		21.61	21.62	20.04
1.4	3	1		21.64	21.69	20.13
1.4	3	3		21.59	21.64	19.99
1.4	6	0		20.59	20.61	19.06

LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	24.46	24.95	24.27
15	1	37		24.58	24.36	24.70
15	1	74		24.66	24.52	24.05
15	36	0		23.83	23.79	23.48
15	36	20		23.62	23.31	23.72
15	36	39		23.77	23.21	23.32
15	75	0		23.66	23.56	23.42
15	1	0	16-QAM	23.82	23.95	23.57
15	1	37		23.93	23.69	23.98
15	1	74		23.92	23.90	23.52
15	36	0		22.62	22.83	22.69
15	36	20		22.81	22.48	22.81
15	36	39		22.74	22.35	22.54
15	75	0		22.79	22.63	22.56
15	1	0	64QAM	22.22	22.45	22.46
15	1	37		22.02	21.59	21.69
15	1	74		22.26	21.64	21.69
15	36	0		20.63	21.13	21.11
15	36	20		21.20	20.59	20.62
15	36	39		21.27	20.33	20.35
15	75	0		20.85	20.65	20.66

LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	24.27	24.75	24.43
10	1	25		23.98	24.07	24.47
10	1	49		24.56	24.03	23.97
10	25	0		23.20	23.50	23.69
10	25	12		23.51	23.23	23.56
10	25	25		23.71	23.09	23.08
10	50	0		23.53	23.23	23.32
10	1	0	16-QAM	23.63	23.98	23.59
10	1	25		23.35	23.41	23.86
10	1	49		23.84	23.36	23.44
10	25	0		22.42	22.67	22.69
10	25	12		22.70	22.42	22.72
10	25	25		22.71	22.28	22.29
10	50	0		22.69	22.41	22.56
10	1	0	64QAM	22.11	22.28	21.69
10	1	25		21.62	21.56	21.80
10	1	49		22.34	21.45	21.27
10	25	0		20.60	20.88	21.05
10	25	12		20.77	20.66	20.98
10	25	25		21.12	20.38	20.46
10	50	0		20.73	20.59	20.67
5	1	0	QPSK	24.20	24.31	24.21
5	1	12		23.86	24.04	24.02
5	1	24		23.80	23.92	23.68
5	12	0		23.17	23.34	23.34
5	12	7		23.15	23.27	23.17
5	12	13		23.24	23.15	22.88
5	25	0		23.18	23.16	23.03
5	1	0	16-QAM	23.47	23.66	23.45
5	1	12		23.20	23.43	23.41
5	1	24		23.15	23.30	23.11
5	12	0		22.39	22.59	22.60
5	12	7		22.38	22.46	22.38

5	12	13		22.43	22.36	22.10
5	25	0		22.33	22.40	22.24
5	1	0		21.80	21.97	21.14
5	1	12		21.45	21.60	21.06
5	1	24		21.23	21.33	21.08
5	12	0	64QAM	20.65	20.74	20.70
5	12	7		20.51	20.60	20.48
5	12	13		20.32	20.43	20.24
5	25	0		20.39	20.48	20.33

LTE Band 26 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	24.23	24.19	24.03
3	1	8		24.01	24.12	23.78
3	1	14		23.86	23.97	23.66
3	8	0		23.30	23.27	23.08
3	8	4		23.17	23.28	22.93
3	8	7		23.09	23.20	22.74
3	15	0		23.19	23.22	22.88
3	1	0	16-QAM	23.44	23.53	23.25
3	1	8		23.40	23.54	23.10
3	1	14		23.18	23.39	23.01
3	8	0		22.49	22.49	22.32
3	8	4		22.38	22.46	22.12
3	8	7		22.31	22.38	21.99
3	15	0		22.42	22.45	22.15
3	1	0	64QAM	21.83	21.74	21.54
3	1	8		21.62	21.69	21.26
3	1	14		21.38	21.51	21.03
3	8	0		20.73	20.63	20.41
3	8	4		20.57	20.59	20.18
3	8	7		20.41	20.47	20.09
3	15	0		20.60	20.55	20.15
1.4	1	0	QPSK	24.17	24.08	23.57
1.4	1	3		24.13	24.08	23.56
1.4	1	5		23.96	23.98	23.47
1.4	3	0		24.26	24.11	23.60
1.4	3	1		24.23	24.12	23.61
1.4	3	3		24.09	24.07	23.60
1.4	6	0		23.29	23.18	23.01
1.4	1	0	16-QAM	23.44	23.43	23.31
1.4	1	3		23.53	23.46	23.44
1.4	1	5		23.43	23.43	23.33
1.4	3	0		23.44	23.30	23.18
1.4	3	1		23.42	23.32	23.21

1.4	3	3		23.30	23.22	23.20
1.4	6	0		22.48	22.42	22.06
1.4	1	0		21.62	21.39	21.52
1.4	1	3		21.79	21.33	21.42
1.4	1	5		21.66	21.35	21.32
1.4	3	0	64QAM	21.74	21.47	21.32
1.4	3	1		21.70	21.44	21.25
1.4	3	3		21.44	21.51	21.28
1.4	6	0		20.64	20.52	20.34

LTE Band 38 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.50	23.99	23.83
20	1	49		23.55	23.66	23.74
20	1	99		23.53	23.56	23.75
20	50	0		22.47	22.86	22.90
20	50	24		22.51	22.80	22.88
20	50	50		22.61	22.76	22.75
20	100	0		22.44	22.74	22.75
20	1	0	16-QAM	22.66	23.00	22.97
20	1	49		22.62	22.87	22.93
20	1	99		22.52	22.64	22.98
20	50	0		21.63	21.97	22.01
20	50	24		21.69	21.95	21.95
20	50	50		21.74	21.86	21.77
20	100	0		21.67	21.89	21.86
20	1	0	64QAM	20.54	20.87	20.88
20	1	49		20.50	20.73	20.81
20	1	99		20.56	20.76	20.83
20	50	0		19.84	20.17	20.15
20	50	24		19.95	20.16	20.18
20	50	50		19.97	20.08	20.05
20	100	0		19.87	20.10	20.05
15	1	0	QPSK	23.58	23.98	23.89
15	1	37		23.56	23.86	23.91
15	1	74		23.63	23.65	23.87
15	36	0		22.64	22.99	23.02
15	36	20		22.66	22.97	22.94
15	36	39		22.76	22.90	22.82
15	75	0		22.71	22.93	22.80
15	1	0	16-QAM	22.70	23.10	23.05
15	1	37		22.67	22.99	23.03
15	1	74		22.73	22.77	23.04
15	36	0		21.69	22.03	22.05
15	36	20		21.84	22.09	22.00

15	36	39		21.86	22.00	21.85
15	75	0		21.72	21.99	21.85
15	1	0		20.51	20.92	20.83
15	1	37		20.53	20.75	20.86
15	1	74		20.51	20.55	20.90
15	36	0	64QAM	19.87	20.19	20.21
15	36	20		20.00	20.25	20.21
15	36	39		20.02	20.19	20.11
15	75	0		19.87	20.11	20.09

LTE Band 38 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.51	23.81	23.77
10	1	25		23.57	23.84	23.64
10	1	49		23.57	23.77	23.75
10	25	0		22.62	23.02	22.96
10	25	12		22.61	23.03	22.90
10	25	25		22.66	22.99	22.85
10	50	0		22.66	23.02	22.83
10	1	0	16-QAM	22.64	23.12	22.91
10	1	25		22.70	23.10	23.03
10	1	49		22.67	22.88	23.11
10	25	0		21.68	22.04	21.98
10	25	12		21.77	22.05	21.96
10	25	25		21.79	22.02	21.92
10	50	0		21.69	22.04	21.88
10	1	0	64QAM	20.57	21.03	20.79
10	1	25		20.64	20.92	20.89
10	1	49		20.60	20.67	20.92
10	25	0		19.96	20.32	20.23
10	25	12		20.07	20.38	20.25
10	25	25		20.05	20.36	20.19
10	50	0		19.92	20.22	20.03
5	1	0	QPSK	23.50	23.82	23.68
5	1	12		23.51	23.94	23.72
5	1	24		23.46	23.92	23.80
5	12	0		22.78	23.20	22.89
5	12	7		22.83	23.21	22.95
5	12	13		22.73	23.19	22.94
5	25	0		22.47	22.93	22.66
5	1	0	16-QAM	22.77	23.07	22.71
5	1	12		22.68	23.10	22.82
5	1	24		22.67	23.10	23.00
5	12	0		21.71	22.18	21.98
5	12	7		21.75	22.15	21.99

5	12	13		21.79	22.16	21.97
5	25	0		21.61	21.99	21.85
5	1	0		20.59	20.91	20.64
5	1	12		20.60	21.03	20.83
5	1	24		20.57	20.90	20.91
5	12	0	64QAM	20.07	20.45	20.23
5	12	7		20.04	20.51	20.27
5	12	13		20.05	20.49	20.19
5	25	0		19.96	20.36	20.09

LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.74	24.01	23.93
20	1	49		23.71	23.89	23.79
20	1	99		23.62	23.78	23.55
20	50	0		23.00	23.05	23.15
20	50	24		22.96	23.12	23.05
20	50	50		22.88	23.08	22.94
20	100	0		22.91	23.09	23.03
20	1	0	16-QAM	23.69	23.35	23.94
20	1	49		23.74	23.28	23.63
20	1	99		23.66	23.35	23.68
20	50	0		21.98	22.18	22.21
20	50	24		21.98	22.19	22.05
20	50	50		21.92	22.08	21.94
20	100	0		21.94	22.19	22.03
20	1	0	64QAM	21.26	21.48	21.72
20	1	49		21.32	21.56	21.47
20	1	99		21.67	21.59	21.48
20	50	0		20.99	20.78	20.97
20	50	24		20.96	20.88	21.07
20	50	50		20.89	20.85	20.93
20	100	0		20.93	20.91	21.05
15	1	0	QPSK	23.72	23.89	23.99
15	1	37		23.73	23.81	23.85
15	1	74		23.70	23.85	23.67
15	36	0		22.90	23.09	23.10
15	36	20		22.89	23.05	22.99
15	36	39		22.83	23.01	22.90
15	75	0		22.91	23.12	23.03
15	1	0	16-QAM	23.72	23.49	23.94
15	1	37		23.77	23.35	23.79
15	1	74		23.69	23.52	23.76
15	36	0		21.83	22.18	22.08
15	36	20		21.86	22.09	21.99

15	36	39		21.83	22.01	21.89
15	75	0		21.91	22.08	22.05
15	1	0		22.60	22.18	22.48
15	1	37		22.67	22.25	22.34
15	1	74		22.42	22.38	22.40
15	36	0	64QAM	20.88	20.68	21.11
15	36	20		20.89	20.61	20.99
15	36	39		20.82	20.92	20.90
15	75	0		20.92	20.72	21.04

LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.57	23.88	23.68
10	1	25		23.63	23.71	23.68
10	1	49		23.60	23.68	23.60
10	25	0		22.88	22.65	22.93
10	25	12		22.91	22.78	22.93
10	25	25		22.85	22.89	22.88
10	50	0		22.90	22.78	22.96
10	1	0	16-QAM	23.70	23.45	23.78
10	1	25		23.56	23.19	23.59
10	1	49		23.66	23.32	23.69
10	25	0		21.85	22.09	21.91
10	25	12		21.89	22.01	21.94
10	25	25		21.82	21.88	21.87
10	50	0		21.91	22.01	21.96
10	1	0	64QAM	21.65	21.18	21.39
10	1	25		21.19	21.48	21.63
10	1	49		21.28	21.35	21.61
10	25	0		20.92	20.78	20.98
10	25	12		20.91	20.88	20.98
10	25	25		20.89	20.91	20.90
10	50	0		20.92	20.78	20.93
5	1	0	QPSK	23.60	23.81	23.72
5	1	12		23.67	23.78	23.67
5	1	24		23.66	23.68	23.71
5	12	0		23.35	22.68	23.70
5	12	7		23.38	22.81	23.65
5	12	13		23.38	23.05	23.63
5	25	0		22.87	22.65	22.89
5	1	0	16-QAM	23.21	22.71	23.53
5	1	12		23.38	22.78	23.64
5	1	24		23.41	22.91	23.60
5	12	0		22.37	22.05	22.69
5	12	7		22.39	22.01	22.63

5	12	13		22.39	22.15	22.59
5	25	0		21.86	21.99	21.90
5	1	0		21.20	21.05	21.45
5	1	12		21.37	21.01	21.58
5	1	24		21.41	21.12	21.49
5	12	0	64QAM	20.73	20.45	21.02
5	12	7		20.81	20.63	21.07
5	12	13		20.78	20.48	21.04
5	25	0		20.58	20.35	20.86

LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	23.81	23.72	24.20
20	1	49		23.92	24.11	24.21
20	1	99		23.76	23.85	23.81
20	50	0		22.96	22.81	23.10
20	50	24		22.92	23.02	23.30
20	50	50		22.94	23.27	23.29
20	100	0		23.07	23.01	23.29
20	1	0	16-QAM	22.96	23.07	23.28
20	1	49		23.13	22.90	22.85
20	1	99		22.84	23.18	22.80
20	50	0		22.14	21.89	22.31
20	50	24		22.11	22.13	22.32
20	50	50		22.14	22.28	22.26
20	100	0		21.86	22.14	22.26
20	1	0	64QAM	21.31	21.42	21.74
20	1	49		21.43	21.42	21.77
20	1	99		21.37	21.33	21.42
20	50	0		20.36	20.28	20.53
20	50	24		20.35	20.25	20.72
20	50	50		20.33	20.73	20.74
20	100	0		20.32	20.51	20.75
15	1	0	QPSK	23.85	23.66	24.10
15	1	37		24.08	23.97	24.07
15	1	74		24.09	24.12	23.65
15	36	0		23.13	22.83	23.29
15	36	20		23.33	23.29	23.28
15	36	39		23.24	23.31	23.24
15	75	0		23.13	23.26	23.27
15	1	0	16-QAM	23.05	22.97	23.32
15	1	37		23.34	23.27	23.40
15	1	74		23.33	23.46	22.98
15	36	0		22.28	21.94	22.35
15	36	20		22.32	22.37	22.29

15	36	39		22.28	22.33	22.25
15	75	0		22.25	22.35	22.27
15	1	0		21.51	21.50	21.91
15	1	37		21.58	21.59	21.51
15	1	74		21.79	21.79	21.73
15	36	0	64QAM	20.57	20.58	20.80
15	36	20		20.67	20.76	21.01
15	36	39		20.72	21.05	21.02
15	75	0		20.51	20.48	20.65

LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	23.77	23.84	24.02
10	1	25		23.97	23.97	24.02
10	1	49		24.07	24.10	23.61
10	25	0		23.03	22.99	23.17
10	25	12		23.18	23.18	23.15
10	25	25		23.15	23.15	23.08
10	50	0		23.07	23.17	23.12
10	1	0	16-QAM	23.02	23.13	23.29
10	1	25		23.29	23.33	23.16
10	1	49		23.33	23.35	22.99
10	25	0		22.14	22.08	22.14
10	25	12		22.15	22.19	22.12
10	25	25		22.12	22.13	22.05
10	50	0		22.17	22.17	22.11
10	1	0	64QAM	21.54	21.54	21.93
10	1	25		21.58	21.69	21.99
10	1	49		21.74	21.86	22.01
10	25	0		20.53	20.52	20.99
10	25	12		20.73	20.61	20.93
10	25	25		20.80	20.64	20.60
10	50	0		20.63	20.39	20.72
5	1	0	QPSK	23.76	24.11	23.97
5	1	12		23.94	24.13	24.00
5	1	24		23.99	24.05	23.81
5	12	0		22.96	23.12	23.11
5	12	7		23.11	23.22	23.10
5	12	13		23.15	23.26	22.84
5	25	0		23.04	23.18	22.94
5	1	0	16-QAM	23.02	23.25	23.18
5	1	12		23.22	23.43	23.24
5	1	24		23.23	23.45	22.98
5	12	0		22.12	22.16	22.10
5	12	7		22.19	22.19	22.16

5	12	13		22.21	22.24	22.03
5	25	0		22.18	22.19	22.15
5	1	0		21.53	21.67	21.92
5	1	12		21.79	21.76	21.94
5	1	24		21.86	21.67	21.80
5	12	0	64QAM	20.45	20.63	20.71
5	12	7		20.48	20.74	20.54
5	12	13		20.64	20.81	20.33
5	25	0		20.50	20.63	20.53

LTE Band 66 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
3	1	0	QPSK	23.82	24.05	24.06
3	1	8		24.04	24.02	23.79
3	1	14		24.03	24.00	23.73
3	8	0		23.00	23.12	22.98
3	8	4		23.08	23.22	22.87
3	8	7		23.06	23.24	22.78
3	15	0		22.98	23.22	22.73
3	1	0	16-QAM	22.99	23.27	23.15
3	1	8		23.42	23.45	23.06
3	1	14		23.29	23.34	22.96
3	8	0		22.13	22.18	22.16
3	8	4		22.23	22.34	21.99
3	8	7		22.25	22.26	21.85
3	15	0		22.15	22.24	21.90
3	1	0	64QAM	21.05	21.29	21.37
3	1	8		21.30	21.52	21.42
3	1	14		21.45	21.49	21.09
3	8	0		20.30	20.59	20.38
3	8	4		20.45	20.73	20.41
3	8	7		20.51	20.75	20.38
3	15	0		20.41	20.65	20.16
1.4	1	0	QPSK	23.75	24.09	23.69
1.4	1	3		23.87	24.08	23.66
1.4	1	5		23.84	24.05	23.61
1.4	3	0		23.74	24.06	23.68
1.4	3	1		23.83	24.09	23.64
1.4	3	3		23.83	24.07	23.60
1.4	6	0		22.91	23.13	22.66
1.4	1	0	16-QAM	23.05	23.29	22.82
1.4	1	3		23.20	23.25	22.84
1.4	1	5		23.16	23.27	22.85
1.4	3	0		22.93	23.15	22.75
1.4	3	1		22.96	23.20	22.75

1.4	3	3		22.98	23.08	22.73
1.4	6	0		22.15	22.23	21.75
1.4	1	0		21.35	21.35	21.06
1.4	1	3		21.03	21.50	21.09
1.4	1	5		21.05	21.50	21.06
1.4	3	0	64QAM	21.43	21.74	21.49
1.4	3	1		21.30	21.68	21.35
1.4	3	3		21.48	21.79	21.36
1.4	6	0		20.19	20.47	20.08

LTE Band 71 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
20	1	0	QPSK	25.26	25.45	25.20
20	1	49		25.11	25.09	25.10
20	1	99		24.98	24.97	24.93
20	50	0		24.25	24.07	24.05
20	50	24		24.19	24.19	24.20
20	50	50		23.95	23.91	23.89
20	100	0		23.98	24.01	23.99
20	1	0	16-QAM	24.42	24.45	24.43
20	1	49		24.38	24.31	24.27
20	1	99		24.22	24.25	24.13
20	50	0		23.22	23.09	23.09
20	50	24		23.18	23.27	23.22
20	50	50		22.95	22.91	22.88
20	100	0		23.00	22.96	23.00
20	1	0	64-QAM	23.01	23.43	23.41
20	1	49		23.33	23.30	23.37
20	1	99		23.17	23.17	23.07
20	50	0		22.18	22.10	22.06
20	50	24		22.22	22.26	22.24
20	50	50		21.96	21.91	21.88
20	100	0		21.98	22.03	22.00
15	1	0	QPSK	25.25	25.27	25.21
15	1	37		25.14	25.17	25.09
15	1	74		24.86	25.00	25.00
15	36	0		24.27	24.21	24.16
15	36	20		24.21	24.26	24.18
15	36	39		23.99	24.04	23.93
15	75	0		24.10	24.15	24.09
15	1	0	16-QAM	24.48	24.41	24.43
15	1	37		24.46	24.40	24.29
15	1	74		24.18	24.26	24.24
15	36	0		23.22	23.20	23.14
15	36	20		23.22	23.26	23.23

15	36	39		22.95	23.02	22.96
15	75	0		23.11	23.13	23.05
15	1	0		23.40	23.45	23.42
15	1	37		23.20	23.28	23.17
15	1	74		23.07	23.22	23.17
15	36	0	64-QAM	22.23	22.23	22.22
15	36	20		22.23	22.25	22.22
15	36	39		21.99	22.07	21.99
15	75	0		22.09	22.12	22.07

LTE Band 71 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
10	1	0	QPSK	25.18	25.19	25.10
10	1	25		25.10	24.90	25.08
10	1	49		24.82	25.06	24.85
10	25	0		23.93	23.94	23.88
10	25	12		24.13	24.10	24.01
10	25	25		23.82	23.85	23.76
10	50	0		23.90	23.92	23.84
10	1	0	16-QAM	24.30	24.31	24.29
10	1	25		24.29	24.27	24.39
10	1	49		24.24	24.24	24.15
10	25	0		22.96	22.98	22.92
10	25	12		23.03	23.10	23.02
10	25	25		22.87	22.84	22.76
10	50	0		22.87	22.90	22.84
10	1	0	64-QAM	23.10	23.23	23.31
10	1	25		23.27	23.30	23.27
10	1	49		23.14	23.17	23.12
10	25	0		21.99	21.96	21.87
10	25	12		22.13	22.14	22.04
10	25	25		21.85	21.87	21.79
10	50	0		21.93	21.91	21.83
5	1	0	QPSK	24.83	24.87	24.75
5	1	12		25.11	25.10	25.05
5	1	24		24.86	24.89	24.78
5	12	0		24.04	24.10	23.99
5	12	7		24.21	24.25	24.11
5	12	13		24.16	24.22	24.08
5	25	0		24.11	24.12	24.02
5	1	0	16-QAM	24.07	24.14	24.03
5	1	12		24.33	24.42	24.24
5	1	24		24.01	24.20	23.99
5	12	0		23.09	23.18	23.01
5	12	7		23.23	23.27	23.08

5	12	13		23.17	23.20	23.08
5	25	0		23.13	23.17	23.00
5	1	0		22.96	23.08	22.98
5	1	12		23.02	23.42	23.22
5	1	24		23.12	23.02	22.95
5	12	0	64-QAM	22.08	22.15	22.05
5	12	7		22.29	22.32	22.14
5	12	13		22.20	22.19	22.11
5	25	0		22.11	22.19	22.03

CA Power

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	22.75
			1	0	0	0	1	22.72
			100	0	0	0	100	22.71
			100	0	100	0	200	20.64
			1	0	1	99	2	22.8
			1	0	1	0	2	22.55
			1	99	1	0	2	23.1
			100	0	1	99	101	17.83
		16QAM	0	0	1	99	1	22.83
			1	0	0	0	1	22.89
			100	0	0	0	100	21.66
			100	0	100	0	200	20.77
			1	0	1	99	2	22.66
			1	0	1	0	2	22.7
			1	99	1	0	2	22.84
			100	0	1	99	101	19.84
		64QAM	0	0	1	99	1	22.79
			1	0	0	0	1	22.87
			100	0	0	0	100	19.48
			100	0	100	0	200	19.66
			1	0	1	99	2	22.58
			1	0	1	0	2	22.48
			1	99	1	0	2	22.73
			100	0	1	99	101	20.37

21001	21199	QPSK	0	0	1	99	1	22.72
			1	0	0	0	1	22.67
			100	0	0	0	100	22.76
			100	0	100	0	200	21.94
			1	0	1	99	2	17.52
			1	0	1	0	2	17.62
			1	99	1	0	2	22.89
			100	0	1	99	101	18.86
		16QAM	0	0	1	99	1	22.89
			1	23	0	0	1	22.63
			100	0	0	0	100	22.53
			100	0	100	0	200	21.56
			1	0	1	99	2	18.06
			1	0	1	0	2	18.12
			1	99	1	0	2	22.52
			100	0	1	99	101	21.63
		64QAM	0	0	1	99	1	22.33
			1	0	0	0	1	22.85
			100	0	0	0	100	20.43
			100	0	100	0	200	20.51
			1	0	1	99	2	17.83
			1	0	1	0	2	17.97
			1	99	1	0	2	19.44
			100	0	1	99	101	21.52

21152	21350	QPSK	0	0	1	99	1	21.82
			1	0	0	0	1	20.51
			100	0	0	0	100	21.42
			100	0	100	0	200	21.62
			1	0	1	99	2	16.52
			1	0	1	0	2	16.58
			1	99	1	0	2	22.36
			100	0	1	99	101	18.86
		16QAM	0	0	1	99	1	21.25
			1	0	0	0	1	21.02
			100	0	0	0	100	20.32
			100	0	100	0	200	21.44
			1	0	1	99	2	17.06
			1	0	1	0	2	17.16
			1	99	1	0	2	21.74
			100	0	1	99	101	21.26
		64QAM	0	0	1	99	1	20.24
			1	0	0	0	1	21.52
			100	0	0	0	100	20.34
			100	0	100	0	200	20.56
			1	0	1	99	2	16.96
			1	0	1	0	2	16.94
			1	99	1	0	2	18.63
			100	0	1	99	101	21.47

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	19.41
		QPSK	1	0	1	74	2	22.87
		QPSK	1	99	1	0	2	22.31
		16QAM	100	0	75	0	175	19.75
		16QAM	1	0	1	74	2	23.07
		16QAM	1	99	1	0	2	22.62
		64QAM	100	0	75	0	175	18.69
		64QAM	1	0	1	74	2	22.9
		64QAM	1	99	1	0	2	22.83
21026	21197	QPSK	100	0	75	0	175	21.81
		QPSK	1	0	1	74	2	18.4
		QPSK	1	99	1	0	2	22.76
		16QAM	100	0	75	0	175	20.79
		16QAM	1	0	1	74	2	18.86
		16QAM	1	99	1	0	2	22.82
		64QAM	100	0	75	0	175	19.75
		64QAM	1	0	1	74	2	18.75
		64QAM	1	99	1	0	2	20.07
21201	21372	QPSK	100	0	75	0	175	20.92
		QPSK	1	0	1	74	2	19
		QPSK	1	99	1	0	2	22.85
		16QAM	100	0	75	0	175	20.8
		16QAM	1	0	1	74	2	19.47
		16QAM	1	99	1	0	2	23.07
		64QAM	100	0	75	0	175	19.74
		64QAM	1	0	1	74	2	19.4
		64QAM	1	99	1	0	2	20.61

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	19.64
		QPSK	1	0	1	99	2	19.83
		QPSK	1	74	1	0	2	22.81
		16QAM	75	0	100	0	175	19.97
		16QAM	1	0	1	99	2	20.33
		16QAM	1	74	1	0	2	22.91
		64QAM	75	0	100	0	175	18.95
		64QAM	1	0	1	99	2	20.12
		64QAM	1	74	1	0	2	20.44
21003	21174	QPSK	75	0	100	0	175	22
		QPSK	1	0	1	99	2	18.67
		QPSK	1	74	1	0	2	22.85
		16QAM	75	0	100	0	175	20.86
		16QAM	1	0	1	99	2	19.18
		16QAM	1	74	1	0	2	23.09
		64QAM	75	0	100	0	175	20.13
		64QAM	1	0	1	99	2	19.06
		64QAM	1	74	1	0	2	20.21
21179	21350	QPSK	75	0	100	0	175	21
		QPSK	1	0	1	99	2	22.93
		QPSK	1	74	1	0	2	22.88
		16QAM	75	0	100	0	175	20.72
		16QAM	1	0	1	99	2	22.81
		16QAM	1	74	1	0	2	22.21
		64QAM	75	0	100	0	175	19.68
		64QAM	1	0	1	99	2	23.01
		64QAM	1	74	1	0	2	22.88

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	19.97
		QPSK	1	0	1	49	2	15.54
		QPSK	1	99	1	0	2	20.26
		16QAM	100	0	50	0	150	20.07
		16QAM	1	0	1	49	2	16.05
		16QAM	1	99	1	0	2	19.6
		64QAM	100	0	50	0	150	19.07
		64QAM	1	0	1	49	2	20.06
		64QAM	1	99	1	0	2	20.72
21051	21195	QPSK	100	0	50	0	150	21.16
		QPSK	1	0	1	49	2	18.43
		QPSK	1	99	1	0	2	22.78
		16QAM	100	0	50	0	150	20.68
		16QAM	1	0	1	49	2	18.76
		16QAM	1	99	1	0	2	22.75
		64QAM	100	0	50	0	150	19.58
		64QAM	1	0	1	49	2	19.57
		64QAM	1	99	1	0	2	20.47
21251	21395	QPSK	100	0	50	0	150	20.5
		QPSK	1	0	1	49	2	17.93
		QPSK	1	99	1	0	2	22.8
		16QAM	100	0	50	0	150	20.92
		16QAM	1	0	1	49	2	18.31
		16QAM	1	99	1	0	2	22.62
		64QAM	100	0	50	0	150	19.76
		64QAM	1	0	1	49	2	18.71
		64QAM	1	99	1	0	2	20.07

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	20.47
		QPSK	1	0	1	99	2	17.9
		QPSK	1	49	1	0	2	22.87
		16QAM	50	0	100	0	150	20.89
		16QAM	1	0	1	99	2	18.28
		16QAM	1	49	1	0	2	22.59
		64QAM	50	0	100	0	150	19.73
		64QAM	1	0	1	99	2	18.68
		64QAM	1	49	1	0	2	20.04
21006	21150	QPSK	50	0	100	0	150	20.03
		QPSK	1	0	1	99	2	15.6
		QPSK	1	49	1	0	2	20.32
		16QAM	50	0	100	0	150	20.13
		16QAM	1	0	1	99	2	16.11
		16QAM	1	49	1	0	2	19.66
		64QAM	50	0	100	0	150	19.13
		64QAM	1	0	1	99	2	20.12
		64QAM	1	49	1	0	2	20.78
21206	21350	QPSK	50	0	100	0	150	21.23
		QPSK	1	0	1	99	2	18.5
		QPSK	1	49	1	0	2	22.85
		16QAM	50	0	100	0	150	20.75
		16QAM	1	0	1	99	2	18.83
		16QAM	1	49	1	0	2	22.82
		64QAM	50	0	100	0	150	19.65
		64QAM	1	0	1	99	2	19.64
		64QAM	1	49	1	0	2	20.54

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	21.91
		QPSK	1	0	1	74	2	18.58
		QPSK	1	74	1	0	2	22.76
		16QAM	75	0	75	0	150	20.77
		16QAM	1	0	1	74	2	19.09
		16QAM	1	74	1	0	2	23
		64QAM	75	0	75	0	150	20.04
		64QAM	1	0	1	74	2	18.97
		64QAM	1	74	1	0	2	20.12
21025	21175	QPSK	75	0	75	0	150	19.61
		QPSK	1	0	1	74	2	19.8
		QPSK	1	74	1	0	2	22.78
		16QAM	75	0	75	0	150	19.94
		16QAM	1	0	1	74	2	20.3
		16QAM	1	74	1	0	2	22.88
		64QAM	75	0	75	0	150	18.92
		64QAM	1	0	1	74	2	20.09
		64QAM	1	74	1	0	2	20.41
21225	21375	QPSK	75	0	75	0	150	20.9
		QPSK	1	0	1	74	2	17.57
		QPSK	1	74	1	0	2	21.75
		16QAM	75	0	75	0	150	19.76
		16QAM	1	0	1	74	2	18.08
		16QAM	1	74	1	0	2	21.99
		64QAM	75	0	75	0	150	19.03
		64QAM	1	0	1	74	2	17.96
		64QAM	1	74	1	0	2	19.11

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		
20825	20945	QPSK	75	0	50	0	125	19.63
		QPSK	1	0	1	49	2	19.82
		QPSK	1	74	1	0	2	22.8
		16QAM	75	0	50	0	125	19.96
		16QAM	1	0	1	49	2	20.32
		16QAM	1	74	1	0	2	22.9
		64QAM	75	0	50	0	125	18.94
		64QAM	1	0	1	49	2	20.11
		64QAM	1	74	1	0	2	20.43
21051	21171	QPSK	75	0	50	0	125	20.85
		QPSK	1	0	1	49	2	17.52
		QPSK	1	74	1	0	2	21.7
		16QAM	75	0	50	0	125	19.71
		16QAM	1	0	1	49	2	18.03
		16QAM	1	74	1	0	2	21.94
		64QAM	75	0	50	0	125	18.98
		64QAM	1	0	1	49	2	17.91
		64QAM	1	74	1	0	2	19.06
21277	21397	QPSK	75	0	50	0	125	21.83
		QPSK	1	0	1	49	2	18.5
		QPSK	1	74	1	0	2	22.68
		16QAM	75	0	50	0	125	20.69
		16QAM	1	0	1	49	2	19.01
		16QAM	1	74	1	0	2	22.9
		64QAM	75	0	50	0	125	19.96
		64QAM	1	0	1	49	2	18.89
		64QAM	1	74	1	0	2	20.04

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		
40140	40338	QPSK	0	0	1	99	1	24.03
			1	0	0	0	1	23.97
			100	0	0	0	100	23.53
			100	0	100	0	200	21.91
			1	0	1	99	2	16.76
			1	0	1	0	2	19.23
			1	99	1	0	2	23.95
			100	0	1	99	101	20.7
		16QAM	0	0	1	99	1	22.69
			1	0	0	0	1	23.75
			100	0	0	0	100	22.52
			100	0	100	0	200	21.8
			1	0	1	99	2	16.92
			1	0	1	0	2	19.37
			1	99	1	0	2	23.93
			100	0	1	99	101	21.91
		64QAM	0	0	1	99	1	21.43
			1	0	0	0	1	22.32
			100	0	0	0	100	20.73
			100	0	100	0	200	21.29
			1	0	1	99	2	16.55
			1	0	1	0	2	18.95
			1	99	1	0	2	22.02
			100	0	1	99	101	21.72

40521	40719	QPSK	0	0	1	99	1	23.89
			1	0	0	0	1	23.99
			100	0	0	0	100	23.13
			100	0	100	0	200	21.46
			1	0	1	99	2	17.03
			1	0	1	0	2	19.45
			1	99	1	0	2	23.87
			100	0	1	99	101	22.05
		16QAM	0	0	1	99	1	23.32
			1	0	0	0	1	23.68
			100	0	0	0	100	22.59
			100	0	100	0	200	22.51
			1	0	1	99	2	17.19
			1	0	1	0	2	19.58
			1	99	1	0	2	23.92
			100	0	1	99	101	22.13
		64QAM	0	0	1	99	1	22.22
			1	0	0	0	1	22.27
			100	0	0	0	100	21.55
			100	0	100	0	200	22.26
			1	0	1	99	2	16.76
			1	0	1	0	2	19.1
			1	99	1	0	2	22.05
			100	0	1	99	101	21.86

41140	40942	QPSK	0	0	1	99	1	23.91
			1	0	0	0	1	23.95
			100	0	0	0	100	23.04
			100	0	100	0	200	21.37
			1	0	1	99	2	16.94
			1	0	1	0	2	19.36
			1	99	1	0	2	23.98
			100	0	1	99	101	21.96
		16QAM	0	0	1	99	1	23.43
			1	0	0	0	1	23.79
			100	0	0	0	100	22.7
			100	0	100	0	200	22.62
			1	0	1	99	2	17.3
			1	0	1	0	2	19.69
			1	99	1	0	2	23.93
			100	0	1	99	101	22.24
		64QAM	0	0	1	99	1	22.34
			1	0	0	0	1	22.39
			100	0	0	0	100	21.67
			100	0	100	0	200	22.38
			1	0	1	99	2	16.88
			1	0	1	0	2	19.22
			1	99	1	0	2	22.17
			100	0	1	99	101	21.98

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		
40140	40311	QPSK	100	0	75	0	175	22.62
		QPSK	1	0	1	74	2	16.88
		QPSK	1	99	1	0	2	23.91
		16QAM	100	0	75	0	175	22.21
		16QAM	1	0	1	74	2	17.02
		16QAM	1	99	1	0	2	23.97
		64QAM	100	0	75	0	175	21.12
		64QAM	1	0	1	74	2	16.6
		64QAM	1	99	1	0	2	22.04
40546	40717	QPSK	100	0	75	0	175	22.53
		QPSK	1	0	1	74	2	16.76
		QPSK	1	99	1	0	2	23.98
		16QAM	100	0	75	0	175	22.34
		16QAM	1	0	1	74	2	17.11
		16QAM	1	99	1	0	2	23.93
		64QAM	100	0	75	0	175	21.45
		64QAM	1	0	1	74	2	16.42
		64QAM	1	99	1	0	2	22
41140	40969	QPSK	100	0	75	0	175	22.44
		QPSK	1	0	1	74	2	16.67
		QPSK	1	99	1	0	2	23.99
		16QAM	100	0	75	0	175	22.18
		16QAM	1	0	1	74	2	16.82
		16QAM	1	99	1	0	2	23.96
		64QAM	100	0	75	0	175	21.09
		64QAM	1	0	1	74	2	16.57
		64QAM	1	99	1	0	2	22.01

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		
40115	40286	QPSK	75	0	100	0	175	22.81
		QPSK	1	0	1	99	2	23.95
		QPSK	1	74	1	0	2	16.85
		16QAM	75	0	100	0	175	22.16
		16QAM	1	0	1	99	2	23.94
		16QAM	1	74	1	0	2	16.97
		64QAM	75	0	100	0	175	21.22
		64QAM	1	0	1	99	2	22.05
		64QAM	1	74	1	0	2	16.66
40523	40694	QPSK	75	0	100	0	175	22.91
		QPSK	1	0	1	99	2	23.92
		QPSK	1	74	1	0	2	16.63
		16QAM	75	0	100	0	175	22.11
		16QAM	1	0	1	99	2	23.99
		16QAM	1	74	1	0	2	16.92
		64QAM	75	0	100	0	175	21.17
		64QAM	1	0	1	99	2	22
		64QAM	1	74	1	0	2	16.61
41165	40994	QPSK	75	0	100	0	175	22.93
		QPSK	1	0	1	99	2	23.94
		QPSK	1	74	1	0	2	16.65
		16QAM	75	0	100	0	175	22.2
		16QAM	1	0	1	99	2	23.98
		16QAM	1	74	1	0	2	17.01
		64QAM	75	0	100	0	175	21.26
		64QAM	1	0	1	99	2	22.09
		64QAM	1	74	1	0	2	16.7

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		
40140	40284	QPSK	100	0	50	0	150	22.77
		QPSK	1	0	1	49	2	16.71
		QPSK	1	99	1	0	2	23.97
		16QAM	100	0	50	0	150	22.09
		16QAM	1	0	1	49	2	16.89
		16QAM	1	99	1	0	2	23.92
		64QAM	100	0	50	0	150	21.07
		64QAM	1	0	1	49	2	16.52
		64QAM	1	99	1	0	2	21.98
40571	40715	QPSK	100	0	50	0	150	22.98
		QPSK	1	0	1	49	2	23.99
		QPSK	1	99	1	0	2	16.7
		16QAM	100	0	50	0	150	22.25
		16QAM	1	0	1	49	2	23.93
		16QAM	1	99	1	0	2	17.06
		64QAM	100	0	50	0	150	21.31
		64QAM	1	0	1	49	2	22.14
		64QAM	1	99	1	0	2	16.75
41140	40996	QPSK	100	0	50	0	150	22.89
		QPSK	1	0	1	49	2	16.83
		QPSK	1	99	1	0	2	23.99
		16QAM	100	0	50	0	150	22.21
		16QAM	1	0	1	49	2	17.01
		16QAM	1	99	1	0	2	23.94
		64QAM	100	0	50	0	150	21.19
		64QAM	1	0	1	49	2	16.64
		64QAM	1	99	1	0	2	22.1

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		
40090	40234	QPSK	50	0	100	0	150	22.78
		QPSK	1	0	1	99	2	16.7
		QPSK	1	49	1	0	2	23.93
		16QAM	50	0	100	0	150	22.1
		16QAM	1	0	1	99	2	23.98
		16QAM	1	49	1	0	2	16.91
		64QAM	50	0	100	0	150	21.16
		64QAM	1	0	1	99	2	21.99
		64QAM	1	49	1	0	2	16.6
40526	40670	QPSK	50	0	100	0	150	22.47
		QPSK	1	0	1	99	2	16.7
		QPSK	1	49	1	0	2	23.92
		16QAM	50	0	100	0	150	22.28
		16QAM	1	0	1	99	2	17.05
		16QAM	1	49	1	0	2	23.97
		64QAM	50	0	100	0	150	21.39
		64QAM	1	0	1	99	2	16.36
		64QAM	1	49	1	0	2	21.94
41190	41046	QPSK	50	0	100	0	150	22.67
		QPSK	1	0	1	99	2	16.59
		QPSK	1	49	1	0	2	23.92
		16QAM	50	0	100	0	150	21.99
		16QAM	1	0	1	99	2	23.97
		16QAM	1	49	1	0	2	16.8
		64QAM	50	0	100	0	150	21.05
		64QAM	1	0	1	99	2	21.88
		64QAM	1	49	1	0	2	16.49

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		
40140	40257	QPSK	100	0	25	0	125	22.7
		QPSK	1	0	1	24	2	16.64
		QPSK	1	99	1	0	2	23.93
		16QAM	100	0	25	0	125	22.02
		16QAM	1	0	1	24	2	16.82
		16QAM	1	99	1	0	2	23.95
		64QAM	100	0	25	0	125	21
		64QAM	1	0	1	24	2	16.45
		64QAM	1	99	1	0	2	21.91
40595	40712	QPSK	100	0	25	0	125	22.64
		QPSK	1	0	1	24	2	16.58
		QPSK	1	99	1	0	2	23.94
		16QAM	100	0	25	0	125	21.96
		16QAM	1	0	1	24	2	16.76
		16QAM	1	99	1	0	2	23.99
		64QAM	100	0	25	0	125	20.94
		64QAM	1	0	1	24	2	16.39
		64QAM	1	99	1	0	2	21.85
41140	41023	QPSK	100	0	25	0	125	22.65
		QPSK	1	0	1	24	2	23.99
		QPSK	1	99	1	0	2	16.69
		16QAM	100	0	25	0	125	22
		16QAM	1	0	1	24	2	23.98
		16QAM	1	99	1	0	2	16.81
		64QAM	100	0	25	0	125	21.06
		64QAM	1	0	1	24	2	21.89
		64QAM	1	99	1	0	2	16.5

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		
40065	40182	QPSK	25	0	100	0	125	22.94
		QPSK	1	0	1	99	2	23.95
		QPSK	1	24	1	0	2	16.66
		16QAM	25	0	100	0	125	22.21
		16QAM	1	0	1	99	2	23.99
		16QAM	1	24	1	0	2	17.02
		64QAM	25	0	100	0	125	21.27
		64QAM	1	0	1	99	2	22.1
		64QAM	1	24	1	0	2	16.71
40548	40645	QPSK	25	0	100	0	125	22.74
		QPSK	1	0	1	99	2	23.88
		QPSK	1	24	1	0	2	16.78
		16QAM	25	0	100	0	125	22.09
		16QAM	1	0	1	99	2	23.97
		16QAM	1	24	1	0	2	16.9
		64QAM	25	0	100	0	125	21.15
		64QAM	1	0	1	99	2	21.98
		64QAM	1	24	1	0	2	16.59
41215	41098	QPSK	25	0	100	0	125	22.73
		QPSK	1	0	1	99	2	23.87
		QPSK	1	24	1	0	2	16.77
		16QAM	25	0	100	0	125	22.08
		16QAM	1	0	1	99	2	23.86
		16QAM	1	24	1	0	2	16.89
		64QAM	25	0	100	0	125	21.14
		64QAM	1	0	1	99	2	21.97
		64QAM	1	24	1	0	2	16.58

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		
40115	40265	QPSK	75	0	75	0	150	22.93
		QPSK	1	0	1	74	2	23.94
		QPSK	1	74	1	0	2	16.65
		16QAM	75	0	75	0	150	22.2
		16QAM	1	0	1	74	2	23.88
		16QAM	1	74	1	0	2	17.01
		64QAM	75	0	75	0	150	21.26
		64QAM	1	0	1	74	2	22.09
		64QAM	1	74	1	0	2	16.7
40545	40695	QPSK	75	0	75	0	150	22.73
		QPSK	1	0	1	74	2	23.87
		QPSK	1	74	1	0	2	16.77
		16QAM	75	0	75	0	150	22.08
		16QAM	1	0	1	74	2	23.86
		16QAM	1	74	1	0	2	16.89
		64QAM	75	0	75	0	150	21.14
		64QAM	1	0	1	74	2	21.97
		64QAM	1	74	1	0	2	16.58
41165	41015	QPSK	75	0	75	0	150	22.78
		QPSK	1	0	1	74	2	23.72
		QPSK	1	74	1	0	2	16.82
		16QAM	75	0	75	0	150	22.13
		16QAM	1	0	1	74	2	23.81
		16QAM	1	74	1	0	2	16.94
		64QAM	75	0	75	0	150	21.19
		64QAM	1	0	1	74	2	22.02
		64QAM	1	74	1	0	2	16.63

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		
40115	40235	QPSK	75	0	50	0	125	22.77
		QPSK	1	0	1	49	2	23.88
		QPSK	1	74	1	0	2	16.49
		16QAM	75	0	50	0	125	22.04
		16QAM	1	0	1	49	2	23.92
		16QAM	1	74	1	0	2	16.85
		64QAM	75	0	50	0	125	21.1
		64QAM	1	0	1	49	2	21.93
		64QAM	1	74	1	0	2	16.54
40571	40691	QPSK	75	0	50	0	125	22.57
		QPSK	1	0	1	49	2	23.91
		QPSK	1	74	1	0	2	16.61
		16QAM	75	0	50	0	125	21.92
		16QAM	1	0	1	49	2	24
		16QAM	1	74	1	0	2	16.73
		64QAM	75	0	50	0	125	20.98
		64QAM	1	0	1	49	2	21.81
		64QAM	1	74	1	0	2	16.42
41165	41045	QPSK	75	0	50	0	125	22.78
		QPSK	1	0	1	49	2	23.92
		QPSK	1	74	1	0	2	16.82
		16QAM	75	0	50	0	125	22.13
		16QAM	1	0	1	49	2	23.81
		16QAM	1	74	1	0	2	16.94
		64QAM	75	0	50	0	125	21.19
		64QAM	1	0	1	49	2	22.02
		64QAM	1	74	1	0	2	16.63

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		
40090	40210	QPSK	50	0	75	0	125	22.85
		QPSK	1	49	1	0	2	23.89
		QPSK	1	0	1	74	2	16.89
		16QAM	50	0	75	0	125	22.2
		16QAM	1	49	1	0	2	23.88
		16QAM	1	0	1	74	2	17.01
		64QAM	50	0	75	0	125	21.26
		64QAM	1	49	1	0	2	22.09
		64QAM	1	0	1	74	2	16.7
40549	40669	QPSK	50	0	75	0	125	22.86
		QPSK	1	49	1	0	2	23.91
		QPSK	1	0	1	74	2	16.82
		16QAM	50	0	75	0	125	22.37
		16QAM	1	49	1	0	2	23.95
		16QAM	1	0	1	74	2	17.18
		64QAM	50	0	75	0	125	21.43
		64QAM	1	49	1	0	2	22.26
		64QAM	1	0	1	74	2	16.87
41190	41070	QPSK	50	0	75	0	125	22.67
		QPSK	1	49	1	0	2	23.91
		QPSK	1	0	1	74	2	16.71
		16QAM	50	0	75	0	125	22.02
		16QAM	1	49	1	0	2	23.9
		16QAM	1	0	1	74	2	16.83
		64QAM	50	0	75	0	125	21.08
		64QAM	1	49	1	0	2	21.91
		64QAM	1	0	1	74	2	16.52

ERP/EIRP

LTE Band 7 (GT - LC = 0.21 dB) QPSK			
Bandwidth	5M		
Channel	20775	21100	21425
	(Low)	(Mid)	(High)
Frequency (MHz)	2502.5	2535	2567.5
Conducted Power (dBm)	22.74	22.80	22.90
Conducted Power (Watts)	0.1879	0.1905	0.1950
EIRP(dBm)	22.95	23.01	23.11
EIRP(Watts)	0.1972	0.2000	0.2046

LTE Band 7 (GT - LC = 0.21 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)	22.69	22.75	22.83	22.87	22.86	22.88	22.71	22.67	22.91
Conducted Power (Watts)	0.1858	0.1884	0.1919	0.1936	0.1932	0.1941	0.1866	0.1849	0.1954
EIRP(dBm)	22.90	22.96	23.04	23.08	23.07	23.09	22.92	22.88	23.12
EIRP(Watts)	0.1950	0.1977	0.2014	0.2032	0.2028	0.2037	0.1959	0.1941	0.2051

LTE Band 7 (GT - LC = 0.21 dB) 16QAM			
Bandwidth	5M		
Channel	20775	21100	21425
	(Low)	(Mid)	(High)
Frequency (MHz)	2502.5	2535	2567.5
Conducted Power (dBm)	22.66	22.67	22.81
Conducted Power (Watts)	0.1845	0.1849	0.1910
EIRP(dBm)	22.87	22.88	23.02
EIRP(Watts)	0.1936	0.1941	0.2004

LTE Band 7 (GT - LC = 0.21 dB) 16QAM									
Bandwidth	10M			15M			20M		
Channel	20800	21100	21400	20825	21100	21375	20850	21100	21350
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	2505	2535	2565	2507.5	2535	2562.5	2510	2535	2560
Conducted Power (dBm)	22.50	22.49	22.60	22.68	22.61	22.78	22.68	22.66	22.75
Conducted Power (Watts)	0.1778	0.1774	0.1820	0.1854	0.1824	0.1897	0.1854	0.1845	0.1884
EIRP(dBm)	22.71	22.70	22.81	22.89	22.82	22.99	22.89	22.87	22.96
EIRP(Watts)	0.1866	0.1862	0.1910	0.1945	0.1914	0.1991	0.1945	0.1936	0.1977

LTE Band 7 (GT - LC = 0.21 dB) 64QAM			
Bandwidth	5M		
Channel	20775	21100	21425
	(Low)	(Mid)	(High)
Frequency (MHz)	2502.5	2535	2567.5
Conducted Power (dBm)	21.76	21.71	21.85
Conducted Power (Watts)	0.1500	0.1483	0.1531
EIRP(dBm)	21.97	21.92	22.06
EIRP(Watts)	0.1574	0.1556	0.1607

LTE Band 7 (GT - LC = 0.21 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)	21.61	21.63	21.75	21.75	21.77	21.93	21.63	21.67	21.81
Conducted Power (Watts)	0.1449	0.1455	0.1496	0.1496	0.1503	0.1560	0.1455	0.1469	0.1517
EIRP(dBm)	21.82	21.84	21.96	21.96	21.98	22.14	21.84	21.88	22.02
EIRP(Watts)	0.1521	0.1528	0.1570	0.1570	0.1578	0.1637	0.1528	0.1542	0.1592

LTE Band 12 (GT - LC = -4.41 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)	24.78	24.58	24.65	24.68	24.47	24.52	24.52	24.39	24.44
Conducted Power (Watts)	0.3006	0.2871	0.2917	0.2938	0.2799	0.2831	0.2831	0.2748	0.2780
ERP(dBm)	18.22	18.02	18.09	18.12	17.91	17.96	17.96	17.83	17.88
ERP(Watts)	0.0664	0.0634	0.0644	0.0649	0.0618	0.0625	0.0625	0.0607	0.0614

LTE Band 12 (GT - LC = -4.41 dB) QPSK			
Bandwidth	10M		
Channel	23060	23095	23130
	(Low)	(Mid)	(High)
Frequency (MHz)	704	707.5	711
Conducted Power (dBm)	24.78	24.38	24.45
Conducted Power (Watts)	0.3006	0.2742	0.2786
ERP(dBm)	18.22	17.82	17.89
ERP(Watts)	0.0664	0.0605	0.0615

LTE Band 12 (GT - LC = -4.41 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)	23.98	23.74	23.86	23.99	23.80	23.89	23.81	23.67	23.70
Conducted Power (Watts)	0.2500	0.2366	0.2432	0.2506	0.2399	0.2449	0.2404	0.2328	0.2344
ERP(dBm)	17.42	17.18	17.30	17.43	17.24	17.33	17.25	17.11	17.14
ERP(Watts)	0.0552	0.0522	0.0537	0.0553	0.0530	0.0541	0.0531	0.0514	0.0518

LTE Band 12 (GT - LC = -4.41 dB) 16QAM			
Bandwidth	10M		
Channel	23060	23095	23130
	(Low)	(Mid)	(High)
Frequency (MHz)	704	707.5	711
Conducted Power (dBm)	23.70	23.97	23.71
Conducted Power (Watts)	0.2344	0.2495	0.2350
ERP(dBm)	17.14	17.41	17.15
ERP(Watts)	0.0518	0.0551	0.0519

LTE Band 12 (GT - LC = -4.41 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)	22.55	22.59	22.50	22.74	22.56	22.72	22.63	22.57	22.18
Conducted Power (Watts)	0.1799	0.1816	0.1778	0.1879	0.1803	0.1871	0.1832	0.1807	0.1652
ERP(dBm)	15.99	16.03	15.94	16.18	16.00	16.16	16.07	16.01	15.62
ERP(Watts)	0.0397	0.0401	0.0393	0.0415	0.0398	0.0413	0.0405	0.0399	0.0365

LTE Band 12 (GT - LC = -4.41 dB) 64QAM			
Bandwidth	10M		
Channel	23060	23095	23130
	(Low)	(Mid)	(High)
Frequency (MHz)	704	707.5	711
Conducted Power (dBm)	22.68	22.60	22.54
Conducted Power (Watts)	0.1854	0.1820	0.1795
ERP(dBm)	16.12	16.04	15.98
ERP(Watts)	0.0409	0.0402	0.0396

LTE Band 13 (GT - LC = -4.24 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)	24.11	24.88	24.21	-	24.93	-
Conducted Power (Watts)	0.2576	0.3076	0.2636	-	0.3112	-
ERP(dBm)	17.72	18.49	17.82	-	18.54	-
ERP(Watts)	0.0592	0.0706	0.0605	-	0.0714	-

LTE Band 13 (GT - LC = -4.24 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)	23.47	24.29	23.70	-	23.80	-
Conducted Power (Watts)	0.2223	0.2685	0.2344	-	0.2399	-
ERP(dBm)	17.08	17.90	17.31	-	17.41	-
ERP(Watts)	0.0511	0.0617	0.0538	-	0.0551	-

LTE Band 13 (GT - LC = -4.24 dB) 64QAM						
Bandwidth	5M			10M		
Channel	23205	23230	23255	23230		
	(Low)	(Mid)	(High)	-	(Mid)	-
Frequency (MHz)	779.5	782	784.5	-	782	-
Conducted Power (dBm)	21.73	22.59	22.05	-	22.43	-
Conducted Power (Watts)	0.1489	0.1816	0.1603	-	0.1750	-
ERP(dBm)	15.34	16.20	15.66	-	16.04	-
ERP(Watts)	0.0342	0.0417	0.0368	-	0.0402	-

LTE Band 25 (GT - LC = 0.23 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)	23.56	23.65	22.12	23.37	23.46	22.11	23.07	23.53	21.38
Conducted Power (Watts)	0.2270	0.2317	0.1629	0.2173	0.2218	0.1626	0.2028	0.2254	0.1374
EIRP(dBm)	23.79	23.88	22.35	23.60	23.69	22.34	23.30	23.76	21.61
EIRP(Watts)	0.2393	0.2443	0.1718	0.2291	0.2339	0.1714	0.2138	0.2377	0.1449

LTE Band 25 (GT - LC = 0.23 dB) QPSK									
Bandwidth	10M			15M			20M		
Channel	26090	26340	26640	26115	26340	26615	26140	26340	26590
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1855	1880	1910	1857.5	1880	1907.5	1860	1880	1905
Conducted Power (dBm)	23.05	23.49	22.31	23.37	23.61	23.44	23.44	23.66	22.79
Conducted Power (Watts)	0.2018	0.2234	0.1702	0.2173	0.2296	0.2208	0.2208	0.2323	0.1901
EIRP(dBm)	23.28	23.72	22.54	23.60	23.84	23.67	23.67	23.89	23.02
EIRP(Watts)	0.2128	0.2355	0.1795	0.2291	0.2421	0.2328	0.2328	0.2449	0.2004

LTE Band 25 (GT - LC = 0.23 dB) 16QAM									
Bandwidth	1.4M			3M			5M		
Channel	26407	26340	26683	26055	26340	26675	26065	26340	26665
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1850.7	1880	1914.3	1851.5	1880	1913.5	1852.5	1880	1912.5
Conducted Power (dBm)	22.83	22.90	21.60	22.62	22.63	21.34	22.46	22.80	20.77
Conducted Power (Watts)	0.1919	0.1950	0.1445	0.1828	0.1832	0.1361	0.1762	0.1905	0.1194
EIRP(dBm)	23.06	23.13	21.83	22.85	22.86	21.57	22.69	23.03	21.00
EIRP(Watts)	0.2023	0.2056	0.1524	0.1928	0.1932	0.1435	0.1858	0.2009	0.1259

LTE Band 25 (GT - LC = 0.23 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)	22.43	22.70	20.75	22.73	22.67	22.71	22.63	22.93	22.60
Conducted Power (Watts)	0.1750	0.1862	0.1189	0.1875	0.1849	0.1866	0.1832	0.1963	0.1820
EIRP(dBm)	22.66	22.93	20.98	22.96	22.90	22.94	22.86	23.16	22.83
EIRP(Watts)	0.1845	0.1963	0.1253	0.1977	0.1950	0.1968	0.1932	0.2070	0.1919

LTE Band 25 (GT - LC = 0.23 dB) 64QAM									
Bandwidth	1.4M			3M			5M		
Channel	26407	26340	26683	26055	26340	26675	26065	26340	26665
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1850.7	1880	1914.3	1851.5	1880	1913.5	1852.5	1880	1912.5
Conducted Power (dBm)	21.73	21.80	20.07	21.57	21.55	19.91	21.37	21.72	19.41
Conducted Power (Watts)	0.1489	0.1514	0.1016	0.1435	0.1429	0.0979	0.1371	0.1486	0.0873
EIRP(dBm)	21.96	22.03	20.30	21.80	21.78	20.14	21.60	21.95	19.64
EIRP(Watts)	0.1570	0.1596	0.1072	0.1514	0.1507	0.1033	0.1445	0.1567	0.0920

LTE Band 25 (GT - LC = 0.23 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)	21.35	21.63	19.21	21.58	21.72	19.96	21.47	21.66	21.15
Conducted Power (Watts)	0.1365	0.1455	0.0834	0.1439	0.1486	0.0991	0.1403	0.1466	0.1303
EIRP(dBm)	21.58	21.86	19.44	21.81	21.95	20.19	21.70	21.89	21.38
EIRP(Watts)	0.1439	0.1535	0.0879	0.1517	0.1567	0.1045	0.1479	0.1545	0.1374

LTE Band 26 (GT - LC = -3.64 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)	24.26	24.11	23.60	24.23	24.19	24.03	24.20	24.31	24.21
Conducted Power (Watts)	0.2667	0.2576	0.2291	0.2649	0.2624	0.2529	0.2630	0.2698	0.2636
ERP(dBm)	18.47	18.32	17.81	18.44	18.40	18.24	18.41	18.52	18.42
ERP(Watts)	0.0703	0.0679	0.0604	0.0698	0.0692	0.0667	0.0693	0.0711	0.0695

LTE Band 26 (GT - LC = -3.64 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)	24.27	24.75	24.43	24.46	24.95	24.27	24.66
Conducted Power (Watts)	0.2673	0.2985	0.2773	0.2793	0.3126	0.2673	0.2924
ERP(dBm)	18.48	18.96	18.64	18.67	19.16	18.48	18.87
ERP(Watts)	0.0705	0.0787	0.0731	0.0736	0.0824	0.0705	0.0771

LTE Band 26 (GT - LC = -3.64 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)	23.53	23.46	23.44	23.40	23.54	23.10	23.47	23.66	23.45
Conducted Power (Watts)	0.2254	0.2218	0.2208	0.2188	0.2259	0.2042	0.2223	0.2323	0.2213
ERP(dBm)	17.74	17.67	17.65	17.61	17.75	17.31	17.68	17.87	17.66
ERP(Watts)	0.0594	0.0585	0.0582	0.0577	0.0596	0.0538	0.0586	0.0612	0.0583

LTE Band 26 (GT - LC = -3.64 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)	23.63	23.98	23.59	23.93	23.69	23.98	23.93
Conducted Power (Watts)	0.2307	0.2500	0.2286	0.2472	0.2339	0.2500	0.2472
ERP(dBm)	17.84	18.19	17.80	18.14	17.90	18.19	18.14
ERP(Watts)	0.0608	0.0659	0.0603	0.0652	0.0617	0.0659	0.0652

LTE Band 26 (GT - LC = -3.64 dB) 64QAM									
Bandwidth	1.4M			3M			5M		
Channel	26797	26915	27033	26805	26915	27025	26815	26915	27015
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	824.7	836.5	848.3	825.5	836.5	847.5	826.5	836.5	846.5
Conducted Power (dBm)	21.79	21.33	21.42	21.83	21.74	21.54	21.80	21.97	21.14
Conducted Power (Watts)	0.1510	0.1358	0.1387	0.1524	0.1493	0.1426	0.1514	0.1574	0.1300
ERP(dBm)	16.00	15.54	15.63	16.04	15.95	15.75	16.01	16.18	15.35
ERP(Watts)	0.0398	0.0358	0.0366	0.0402	0.0394	0.0376	0.0399	0.0415	0.0343

LTE Band 26 (GT - LC = -3.64 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)	22.34	21.45	21.27	22.22	22.45	22.46	22.26
Conducted Power (Watts)	0.1714	0.1396	0.1340	0.1667	0.1758	0.1762	0.1683
ERP(dBm)	16.55	15.66	15.48	16.43	16.66	16.67	16.47
ERP(Watts)	0.0452	0.0368	0.0353	0.0440	0.0463	0.0465	0.0444

LTE Band 41 (G_T - L_C = 0.21dB) QPSK									
Bandwidth	5M			10M			15M		
Channel	40065	40640	41215	40090	40640	41190	40115	40640	41165
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	2537.5	2595	2652.5	2540	2595	2650	2542.5	2595	2647.5
Conducted Power (dBm)	23.35	23.87	23.70	23.57	23.74	23.68	23.72	23.87	23.99
Conducted Power (Watts)	0.2163	0.2438	0.2344	0.2275	0.2366	0.2333	0.2355	0.2438	0.2506
EIRP(dBm)	23.56	24.08	23.91	23.78	23.95	23.89	23.93	24.08	24.20
EIRP(Watts)	0.2270	0.2559	0.2460	0.2388	0.2483	0.2449	0.2472	0.2559	0.2630

LTE Band 41 (G_T - L_C = 0.21dB) QPSK			
Bandwidth	20M		
Channel	40140	40640	41140
	(Low)	(Mid)	(High)
Frequency (MHz)	2545	2595	2645
Conducted Power (dBm)	23.74	24.01	23.93
Conducted Power (Watts)	0.2366	0.2518	0.2472
EIRP(dBm)	23.95	24.22	24.14
EIRP(Watts)	0.2483	0.2642	0.2594

LTE Band 41 (G_T - L_C = 0.21dB) 16QAM									
Bandwidth	5M			10M			15M		
Channel	40065	40640	41215	40090	40640	41190	40115	40640	41165
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	2537.5	2595	2652.5	2540	2595	2650	2542.5	2595	2647.5
Conducted Power (dBm)	23.21	23.89	23.53	23.70	23.89	23.78	23.72	23.92	23.94
Conducted Power (Watts)	0.2094	0.2449	0.2254	0.2344	0.2449	0.2388	0.2355	0.2466	0.2477
EIRP(dBm)	23.42	24.10	23.74	23.91	24.10	23.99	23.93	24.13	24.15
EIRP(Watts)	0.2198	0.2570	0.2366	0.2460	0.2570	0.2506	0.2472	0.2588	0.2600

LTE Band 41 (G_T - L_C = 0.21dB) 16QAM			
Bandwidth	20M		
Channel	40140	40640	41140
	(Low)	(Mid)	(High)
Frequency (MHz)	2545	2595	2645
Conducted Power (dBm)	23.69	23.93	23.94
Conducted Power (Watts)	0.2339	0.2472	0.2477
EIRP(dBm)	23.90	24.14	24.15
EIRP(Watts)	0.2455	0.2594	0.2600

LTE Band 41 (G_T - L_C = 0.21dB) 64QAM									
Bandwidth	5M			10M			15M		
Channel	40065	40640	41215	40090	40640	41190	40115	40640	41165
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	2537.5	2595	2652.5	2540	2595	2650	2542.5	2595	2647.5
Conducted Power (dBm)	21.20	21.83	21.45	21.65	21.67	21.39	22.67	22.32	22.34
Conducted Power (Watts)	0.1318	0.1524	0.1396	0.1462	0.1469	0.1377	0.1849	0.1706	0.1714
EIRP(dBm)	21.41	22.04	21.66	21.86	21.88	21.60	22.88	22.53	22.55
EIRP(Watts)	0.1384	0.1600	0.1466	0.1535	0.1542	0.1445	0.1941	0.1791	0.1799

LTE Band 41 (G_T - L_C = 0.21dB) 64QAM			
Bandwidth	20M		
Channel	40140	40640	41140
	(Low)	(Mid)	(High)
Frequency (MHz)	2545	2595	2645
Conducted Power (dBm)	21.26	21.73	21.72
Conducted Power (Watts)	0.1337	0.1489	0.1486
EIRP(dBm)	21.47	21.94	21.93
EIRP(Watts)	0.1403	0.1563	0.1560

LTE Band 66 (GT - LC = -0.14 dB) QPSK									
Bandwidth	1.4M			3M			5M		
Channel	131979	132322	132665	131987	132322	132657	131997	132322	132647
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1710.7	1745	1779.3	1711.5	1745	1778.5	1712.5	1745	1777.5
Conducted Power (dBm)	23.75	24.09	23.69	23.82	24.05	24.06	23.94	24.13	24.00
Conducted Power (Watts)	0.2371	0.2564	0.2339	0.2410	0.2541	0.2547	0.2477	0.2588	0.2512
EIRP(dBm)	23.61	23.95	23.55	23.68	23.91	23.92	23.80	23.99	23.86
EIRP(Watts)	0.2296	0.2483	0.2265	0.2333	0.2460	0.2466	0.2399	0.2506	0.2432

LTE Band 66 (GT - LC = -0.14 dB) QPSK									
Bandwidth	10M			15M			20M		
Channel	132022	132322	132622	132047	132322	132597	132072	132322	132572
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(Mid)
Frequency (MHz)	1715	1745	1775	1717.5	1745	1772.5	1720	1745	1770
Conducted Power (dBm)	24.07	24.10	23.61	24.09	24.12	23.65	23.92	24.11	24.21
Conducted Power (Watts)	0.2553	0.2570	0.2296	0.2564	0.2582	0.2317	0.2466	0.2576	0.2636
EIRP(dBm)	23.93	23.96	23.47	23.95	23.98	23.51	23.78	23.97	24.07
EIRP(Watts)	0.2472	0.2489	0.2223	0.2483	0.2500	0.2244	0.2388	0.2495	0.2553

LTE Band 66 (GT - LC = -0.14 dB) 16QAM									
Bandwidth	1.4M			3M			5M		
Channel	131979	132322	132665	131987	132322	132657	131997	132322	132647
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1710.7	1745	1779.3	1711.5	1745	1778.5	1712.5	1745	1777.5
Conducted Power (dBm)	23.05	23.29	22.82	23.42	23.45	23.06	23.23	23.45	22.98
Conducted Power (Watts)	0.2018	0.2133	0.1914	0.2198	0.2213	0.2023	0.2104	0.2213	0.1986
EIRP(dBm)	22.91	23.15	22.68	23.28	23.31	22.92	23.09	23.31	22.84
EIRP(Watts)	0.1954	0.2065	0.1854	0.2128	0.2143	0.1959	0.2037	0.2143	0.1923

LTE Band 66 (GT - LC = -0.14 dB) 16QAM									
Bandwidth	10M			15M			20M		
Channel	132022	132322	132622	132047	132322	132597	132072	132322	132572
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(Mid)
Frequency (MHz)	1715	1745	1775	1717.5	1745	1772.5	1720	1745	1770
Conducted Power (dBm)	23.33	23.35	22.99	23.33	23.46	22.98	22.96	23.07	23.28
Conducted Power (Watts)	0.2153	0.2163	0.1991	0.2153	0.2218	0.1986	0.1977	0.2028	0.2128
EIRP(dBm)	23.19	23.21	22.85	23.19	23.32	22.84	22.82	22.93	23.14
EIRP(Watts)	0.2084	0.2094	0.1928	0.2084	0.2148	0.1923	0.1914	0.1963	0.2061

LTE Band 66 (GT - LC = -0.14 dB) 64QAM									
Bandwidth	1.4M			3M			5M		
Channel	131979	132322	132665	131987	132322	132657	131997	132322	132647
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1710.7	1745	1779.3	1711.5	1745	1778.5	1712.5	1745	1777.5
Conducted Power (dBm)	21.48	21.79	21.36	21.30	21.52	21.42	21.79	21.76	21.94
Conducted Power (Watts)	0.1406	0.1510	0.1368	0.1349	0.1419	0.1387	0.1510	0.1500	0.1563
EIRP(dBm)	21.34	21.65	21.22	21.16	21.38	21.28	21.65	21.62	21.80
EIRP(Watts)	0.1361	0.1462	0.1324	0.1306	0.1374	0.1343	0.1462	0.1452	0.1514

LTE Band 66 (GT - LC = -0.14 dB) 64QAM									
Bandwidth	10M			15M			20M		
Channel	132022	132322	132622	132047	132322	132597	132072	132322	132572
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(Mid)
Frequency (MHz)	1715	1745	1775	1717.5	1745	1772.5	1720	1745	1770
Conducted Power (dBm)	21.74	21.86	22.01	21.51	21.50	21.91	21.43	21.42	21.77
Conducted Power (Watts)	0.1493	0.1535	0.1589	0.1416	0.1413	0.1552	0.1390	0.1387	0.1503
EIRP(dBm)	21.60	21.72	21.87	21.37	21.36	21.77	21.29	21.28	21.63
EIRP(Watts)	0.1445	0.1486	0.1538	0.1371	0.1368	0.1503	0.1346	0.1343	0.1455

LTE Band 71 (GT - LC = -5.53 dB) QPSK									
Bandwidth	5M			10M			15M		
Channel	133147	133297	133447	133172	133297	133422	133197	133297	133397
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	665.5	680.5	695.5	668	680.5	693	670.5	680.5	690.5
Conducted Power (dBm)	25.11	25.10	25.05	25.18	25.19	25.10	25.25	25.27	25.21
Conducted Power (Watts)	0.3243	0.3236	0.3199	0.3296	0.3304	0.3236	0.3350	0.3365	0.3319
ERP(dBm)	17.43	17.42	17.37	17.50	17.51	17.42	17.57	17.59	17.53
ERP(Watts)	0.0553	0.0552	0.0546	0.0562	0.0564	0.0552	0.0571	0.0574	0.0566

LTE Band 71 (GT - LC = -5.53 dB) QPSK			
Bandwidth	20M		
Channel	133222	133297	133372
	(Low)	(Mid)	(High)
Frequency (MHz)	673	680.5	688
Conducted Power (dBm)	25.26	25.45	25.20
Conducted Power (Watts)	0.3357	0.3508	0.3311
ERP(dBm)	17.58	17.77	17.52
ERP(Watts)	0.0573	0.0598	0.0565

LTE Band 71 (GT - LC = -5.53 dB) 16QAM									
Bandwidth	5M			10M			15M		
Channel	133147	133297	133447	133172	133297	133422	133197	133297	133397
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	665.5	680.5	695.5	668	680.5	693	670.5	680.5	690.5
Conducted Power (dBm)	24.33	24.42	24.24	24.29	24.27	24.39	24.48	24.41	24.43
Conducted Power (Watts)	0.2710	0.2767	0.2655	0.2685	0.2673	0.2748	0.2805	0.2761	0.2773
ERP(dBm)	16.65	16.74	16.56	16.61	16.59	16.71	16.80	16.73	16.75
ERP(Watts)	0.0462	0.0472	0.0453	0.0458	0.0456	0.0469	0.0479	0.0471	0.0473

LTE Band 71 (GT - LC = -5.53 dB) 16QAM			
Bandwidth	20M		
Channel	133222	133297	133372
	(Low)	(Mid)	(High)
Frequency (MHz)	673	680.5	688
Conducted Power (dBm)	24.42	24.45	24.43
Conducted Power (Watts)	0.2767	0.2786	0.2773
ERP(dBm)	16.74	16.77	16.75
ERP(Watts)	0.0472	0.0475	0.0473

LTE Band 71 (GT - LC = -5.53 dB) 64QAM									
Bandwidth	5M			10M			15M		
Channel	133147	133297	133447	133172	133297	133422	133197	133297	133397
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	665.5	680.5	695.5	668	680.5	693	670.5	680.5	690.5
Conducted Power (dBm)	23.02	23.42	23.22	23.10	23.23	23.31	23.40	23.45	23.42
Conducted Power (Watts)	0.2004	0.2198	0.2099	0.2042	0.2104	0.2143	0.2188	0.2213	0.2198
ERP(dBm)	15.34	15.74	15.54	15.42	15.55	15.63	15.72	15.77	15.74
ERP(Watts)	0.0342	0.0375	0.0358	0.0348	0.0359	0.0366	0.0373	0.0378	0.0375

LTE Band 71 (GT - LC = -5.53 dB) 64QAM			
Bandwidth	20M		
Channel	133222	133297	133372
	(Low)	(Mid)	(High)
Frequency (MHz)	673	680.5	688
Conducted Power (dBm)	23.01	23.43	23.41
Conducted Power (Watts)	0.2000	0.2203	0.2193
ERP(dBm)	15.33	15.75	15.73
ERP(Watts)	0.0341	0.0376	0.0374

CA EIRP

LTE Band 7 CA (GT - LC = 0.21 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)	22.76	22.78	21.75	22.87	20.32	22.85	20.26	22.78	22.8
Conducted Power (Watts)	0.1888	0.1897	0.1496	0.1936	0.1076	0.1928	0.1062	0.1897	0.1905
EIRP(dBm)	22.97	22.99	21.96	23.08	20.53	23.06	20.47	22.99	23.01
EIRP(Watts)	0.1982	0.1991	0.1570	0.2032	0.1130	0.2023	0.1114	0.1991	0.2000

LTE Band 7 CA (GT - LC = 0.21 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)	22.81	22.85	22.93	22.87	22.76	22.85	23.10	22.89	22.36
Conducted Power (Watts)	0.1910	0.1928	0.1963	0.1936	0.1888	0.1928	0.2042	0.1945	0.1722
EIRP(dBm)	23.02	23.06	23.14	23.08	22.97	23.06	23.31	23.10	22.57
EIRP(Watts)	0.2004	0.2023	0.2061	0.2032	0.1982	0.2023	0.2143	0.2042	0.1807

LTE Band 7 CA (GT - LC = 0.21 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)	23.00	22.88	21.99	22.59	20.13	22.82	20.07	22.75	22.62
Conducted Power (Watts)	0.1995	0.1941	0.1581	0.1816	0.1030	0.1914	0.1016	0.1884	0.1828
EIRP(dBm)	23.21	23.09	22.20	22.80	20.34	23.03	20.28	22.96	22.83
EIRP(Watts)	0.2094	0.2037	0.1660	0.1905	0.1081	0.2009	0.1067	0.1977	0.1919

LTE Band 7 CA (GT - LC = 0.21 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)	22.91	23.09	22.81	23.07	22.82	23.07	22.89	22.89	21.74
Conducted Power (Watts)	0.1954	0.2037	0.1910	0.2028	0.1914	0.2028	0.1945	0.1945	0.1493
EIRP(dBm)	23.12	23.30	23.02	23.28	23.03	23.28	23.10	23.10	21.95
EIRP(Watts)	0.2051	0.2138	0.2004	0.2128	0.2009	0.2128	0.2042	0.2042	0.1567

LTE Band 7 CA (GT - LC = 0.21 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)	20.12	20.41	19.11	20.04	20.78	20.54	20.72	20.47	20.07
Conducted Power (Watts)	0.1028	0.1099	0.0815	0.1009	0.1197	0.1132	0.1180	0.1114	0.1016
EIRP(dBm)	20.33	20.62	19.32	20.25	20.99	20.75	20.93	20.68	20.28
EIRP(Watts)	0.1079	0.1153	0.0855	0.1059	0.1256	0.1189	0.1239	0.1169	0.1067

LTE Band 7 CA (GT - LC = 0.21 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)	20.44	20.21	23.01	22.90	20.07	20.61	22.87	22.85	21.52
Conducted Power (Watts)	0.1107	0.1050	0.2000	0.1950	0.1016	0.1151	0.1936	0.1928	0.1419
EIRP(dBm)	20.65	20.42	23.22	23.11	20.28	20.82	23.08	23.06	21.73
EIRP(Watts)	0.1161	0.1102	0.2099	0.2046	0.1067	0.1208	0.2032	0.2023	0.1489

LTE Band 7 CA (GT - LC = 0.21 dB) QPSK			
Bandwidth	**15M + 10M**		
Channel PCC	**20825**	**21025**	**21225**
	(Low)	**(Mid)**	**(High)**
Channel SCC	**20975**	**21175**	**21375**
	(Low)	**(Mid)**	**(High)**
Conducted Power (dBm)	22.80	21.7	22.68
Conducted Power (Watts)	0.1905	0.1479	0.1854
EIRP(dBm)	23.01	21.91	22.89
EIRP(Watts)	0.2000	0.1552	0.1945

LTE Band 7 CA (GT - LC = 0.21 dB) 16QAM			
Bandwidth	**15M + 10M**		
Channel PCC	**20825**	**21025**	**21225**
	(Low)	**(Mid)**	**(High)**
Channel SCC	**20975**	**21175**	**21375**
	(Low)	**(Mid)**	**(High)**
Conducted Power (dBm)	22.90	21.94	22.90
Conducted Power (Watts)	0.1950	0.1563	0.1950
EIRP(dBm)	23.11	22.15	23.11
EIRP(Watts)	0.2046	0.1641	0.2046

LTE Band 7 CA (GT - LC = 0.21 dB) 64QAM			
Bandwidth	**15M + 10M**		
Channel PCC	**20825**	**21025**	**21225**
	(Low)	**(Mid)**	**(High)**
Channel SCC	**20975**	**21175**	**21375**
	(Low)	**(Mid)**	**(High)**
Conducted Power (dBm)	20.43	19.06	20.04
Conducted Power (Watts)	0.1104	0.0805	0.1009
EIRP(dBm)	20.64	19.27	20.25
EIRP(Watts)	0.1159	0.0845	0.1059

LTE Band 41 CA (GT - LC = 0.21 dB) QPSK									
Bandwidth	15M + 15M			5M + 20M			20M + 5M		
Channel PCC	40115	40545	41165	40065	40528	41215	40140	40595	41140
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	40265	40695	41015	40182	40645	41098	40257	40712	41023
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.89	23.91	23.91	23.95	23.88	23.87	23.93	23.94	23.99
Conducted Power (Watts)	0.2449	0.2460	0.2460	0.2483	0.2443	0.2438	0.2472	0.2477	0.2506
EIRP(dBm)	24.10	24.12	24.12	24.16	24.09	24.08	24.14	24.15	24.20
EIRP(Watts)	0.2570	0.2582	0.2582	0.2606	0.2564	0.2559	0.2594	0.2600	0.2630

LTE Band 41 CA (GT - LC = 0.21 dB) QPSK									
Bandwidth	10M + 20M			20M + 10M			15M + 20M		
Channel PCC	40090	40526	41190	40140	40571	41140	40115	40523	41165
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	40234	40670	41046	40284	40715	40996	40286	40694	40994
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.93	23.92	23.92	23.97	23.99	23.99	23.95	23.92	23.94
Conducted Power (Watts)	0.2472	0.2466	0.2466	0.2495	0.2506	0.2506	0.2483	0.2466	0.2477
EIRP(dBm)	24.14	24.13	24.13	24.18	24.20	24.20	24.16	24.13	24.15
EIRP(Watts)	0.2594	0.2588	0.2588	0.2618	0.2630	0.2630	0.2606	0.2588	0.2600

LTE Band 41 CA (GT - LC = 0.21 dB) QPSK						
Bandwidth	20M+15M			20M+20M		
Channel PCC	40140	40546	41140	40140	40521	41140
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	40311	40717	40969	40338	40719	40942
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.91	23.98	23.99	24.03	23.99	23.98
Conducted Power (Watts)	0.2460	0.2500	0.2506	0.2529	0.2506	0.2500
EIRP(dBm)	24.12	24.19	24.20	24.24	24.20	24.19
EIRP(Watts)	0.2582	0.2624	0.2630	0.2655	0.2630	0.2624

LTE Band 41 CA (GT - LC = 0.21 dB) QPSK						
Bandwidth	15M+10M			10M+15M		
Channel PCC	40115	40571	41165	40090	40549	41190
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	40235	40691	41045	40210	40669	41070
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.94	23.87	23.72	23.88	23.91	23.92
Conducted Power (Watts)	0.2477	0.2438	0.2355	0.2443	0.2460	0.2466
EIRP(dBm)	24.15	24.08	23.93	24.09	24.12	24.13
EIRP(Watts)	0.2600	0.2559	0.2472	0.2564	0.2582	0.2588

LTE Band 41 CA (GT - LC = 0.21 dB) 16QAM									
Bandwidth	15M + 15M			5M + 20M			20M + 5M		
Channel PCC	40115	40545	41165	40065	40528	41215	40140	40595	41140
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	40265	40695	41015	40182	40645	41098	40257	40712	41023
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.88	23.95	23.9	23.99	23.97	23.86	23.95	23.99	23.98
Conducted Power (Watts)	0.2443	0.2483	0.2455	0.2506	0.2495	0.2432	0.2483	0.2506	0.2500
EIRP(dBm)	24.09	24.16	24.11	24.20	24.18	24.07	24.16	24.20	24.19
EIRP(Watts)	0.2564	0.2606	0.2576	0.2630	0.2618	0.2553	0.2606	0.2630	0.2624

LTE Band 41 CA (GT - LC = 0.21 dB) 16QAM									
Bandwidth	10M + 20M			20M + 10M			15M + 20M		
Channel PCC	40090	40526	41190	40140	40571	41140	40115	40523	41165
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	40234	40670	41046	40284	40715	40996	40286	40694	40994
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.98	23.97	23.97	23.92	23.93	23.94	23.94	23.99	23.98
Conducted Power (Watts)	0.2500	0.2495	0.2495	0.2466	0.2472	0.2477	0.2477	0.2506	0.2500
EIRP(dBm)	24.19	24.18	24.18	24.13	24.14	24.15	24.15	24.20	24.19
EIRP(Watts)	0.2624	0.2618	0.2618	0.2588	0.2594	0.2600	0.2600	0.2630	0.2624

LTE Band 41 CA (GT - LC = 0.21 dB) 16QAM						
Bandwidth	20M+15M			20M+20M		
Channel PCC	40140	40546	41140	40140	40521	41140
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	40311	40717	40969	40338	40719	40942
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.97	23.93	23.96	23.93	23.92	23.93
Conducted Power (Watts)	0.2495	0.2472	0.2489	0.2472	0.2466	0.2472
EIRP(dBm)	24.18	24.14	24.17	24.14	24.13	24.14
EIRP(Watts)	0.2618	0.2594	0.2612	0.2594	0.2588	0.2594

LTE Band 41 CA (GT - LC = 0.21 dB) 16QAM						
Bandwidth	15M+10M			10M+15M		
Channel PCC	40115	40571	41165	40090	40549	41190
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	40235	40691	41045	40210	40669	41070
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.88	23.86	23.81	23.92	24.00	23.81
Conducted Power (Watts)	0.2443	0.2432	0.2404	0.2466	0.2512	0.2404
EIRP(dBm)	24.09	24.07	24.02	24.13	24.21	24.02
EIRP(Watts)	0.2564	0.2553	0.2523	0.2588	0.2636	0.2523

LTE Band 41 CA (GT - LC = 0.21 dB) 64QAM									
Bandwidth	15M + 15M			5M + 20M			20M + 5M		
Channel PCC	40115	40545	41165	40065	40528	41215	40140	40595	41140
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	40265	40695	41015	40182	40645	41098	40257	40712	41023
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	22.09	22.26	21.91	22.10	21.98	21.97	21.91	22.65	21.89
Conducted Power (Watts)	0.1618	0.1683	0.1552	0.1622	0.1578	0.1574	0.1552	0.1841	0.1545
EIRP(dBm)	22.30	22.47	22.12	22.31	22.19	22.18	22.12	22.86	22.10
EIRP(Watts)	0.1698	0.1766	0.1629	0.1702	0.1656	0.1652	0.1629	0.1932	0.1622

LTE Band 41 CA (GT - LC = 0.21 dB) 64QAM									
Bandwidth	10M + 20M			20M + 10M			15M + 20M		
Channel PCC	40090	40526	41190	40140	40571	41140	40115	40523	41165
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	40234	40670	41046	40284	40715	40996	40286	40694	40994
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	22.47	22.67	21.88	21.98	22.89	22.10	22.05	22.00	22.09
Conducted Power (Watts)	0.1766	0.1849	0.1542	0.1578	0.1945	0.1622	0.1603	0.1585	0.1618
EIRP(dBm)	22.68	22.88	22.09	22.19	23.10	22.31	22.26	22.21	22.30
EIRP(Watts)	0.1854	0.1941	0.1618	0.1656	0.2042	0.1702	0.1683	0.1663	0.1698

LTE Band 41 CA (GT - LC = 0.21 dB) 64QAM						
Bandwidth	**20M+15M**			**20M+20M**		
Channel PCC	**40140**	**40546**	**41140**	**40140**	**40521**	**41140**
	(Low)	**(Mid)**	**(High)**	**(Low)**	**(Mid)**	**(High)**
Channel SCC	**40311**	**40717**	**40969**	**40338**	**40719**	**40942**
	(Low)	**(Mid)**	**(High)**	**(Low)**	**(Mid)**	**(High)**
Conducted Power (dBm)	22.04	22.00	22.01	22.32	22.27	22.39
Conducted Power (Watts)	0.1600	0.1585	0.1589	0.1706	0.1687	0.1734
EIRP(dBm)	22.25	22.21	22.22	22.53	22.48	22.60
EIRP(Watts)	0.1679	0.1663	0.1667	0.1791	0.1770	0.1820

LTE Band 41 CA (GT - LC = 0.21 dB) 64QAM						
Bandwidth	**15M+10M**			**10M+15M**		
Channel PCC	**40115**	**40571**	**41165**	**40090**	**40549**	**41190**
	(Low)	**(Mid)**	**(High)**	**(Low)**	**(Mid)**	**(High)**
Channel SCC	**40235**	**40691**	**41045**	**40210**	**40669**	**41070**
	(Low)	**(Mid)**	**(High)**	**(Low)**	**(Mid)**	**(High)**
Conducted Power (dBm)	22.09	21.97	22.02	21.93	21.81	22.02
Conducted Power (Watts)	0.1618	0.1574	0.1592	0.1560	0.1517	0.1592
EIRP(dBm)	22.30	22.18	22.23	22.14	22.02	22.23
EIRP(Watts)	0.1698	0.1652	0.1671	0.1637	0.1592	0.1671

Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.62	4.41	4.35	5.3	PASS
Middle CH	3.62	4.49	4.52	5.54	
Highest CH	3.51	4.67	4.55	5.59	
Mode	LTE Band 7 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.22	6.06			PASS
Middle CH	5.01	6.26			
Highest CH	4.96	6.46			

Mode	LTE Band 12 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.45	4.52	4.14	5.68	PASS
Middle CH	3.39	4.49	4.2	5.68	
Highest CH	3.51	4.46	4.26	5.48	
Mode	LTE Band 12 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.33	6.35			PASS
Middle CH	5.28	6.29			
Highest CH	5.51	6.38			

Mode	LTE Band 13 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH					PASS
Middle CH	3.19	4.52	3.62	5.39	
Highest CH					
Mode	LTE Band 13 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH					PASS
Middle CH	3.8	5.39			
Highest CH					

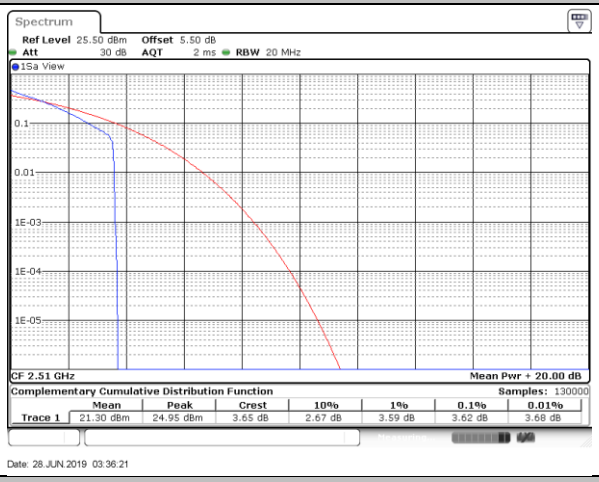
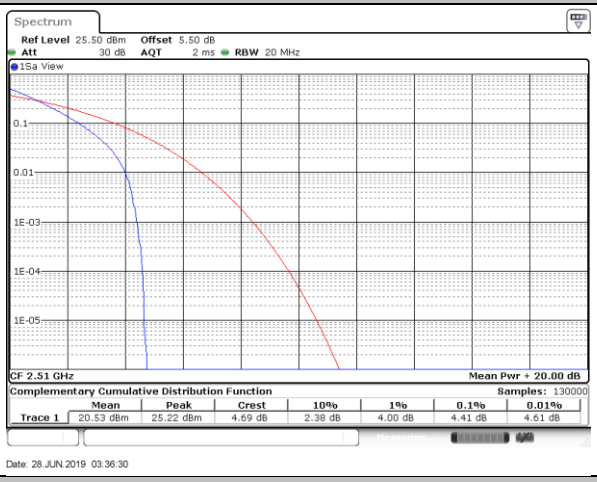
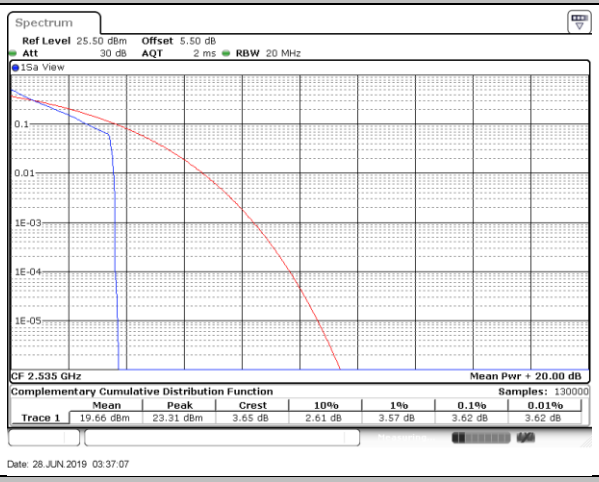
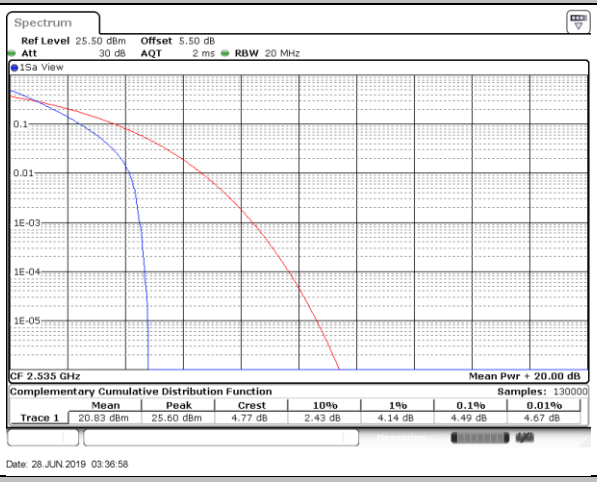
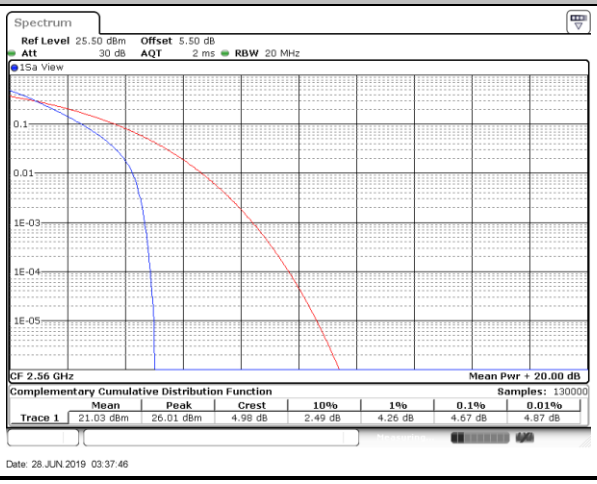
Mode	LTE Band 25 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.45	4.93	4.23	5.77	PASS
Middle CH	3.07	4.75	3.42	5.54	
Highest CH	3.8	4.99	4.49	5.74	
Mode	LTE Band 25 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	4.9	6.49			PASS
Middle CH	4.67	5.94			
Highest CH	5.33	6.58			

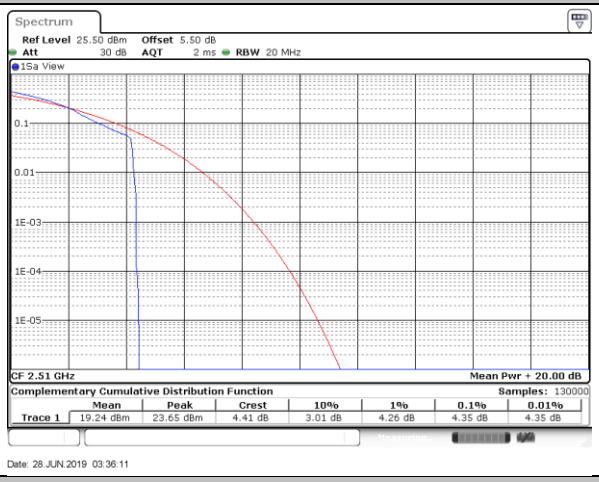
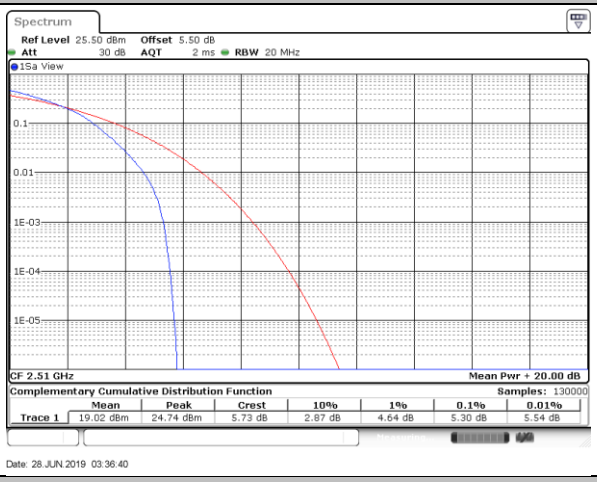
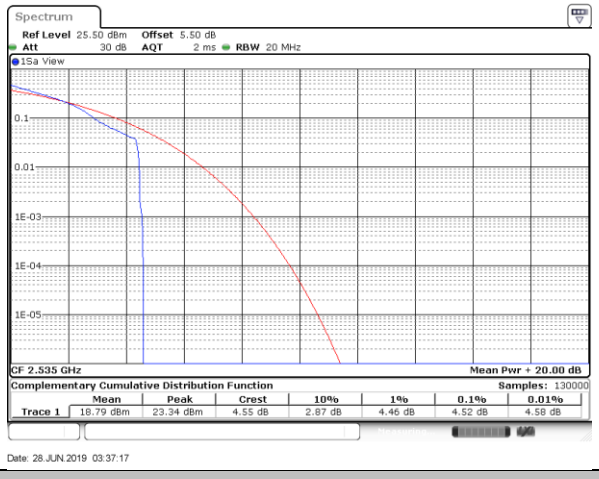
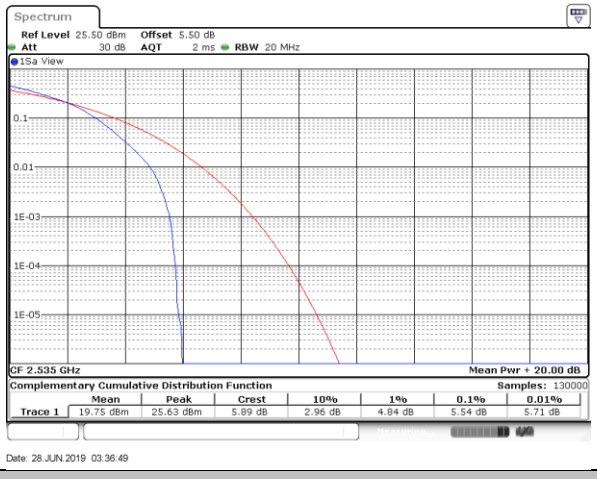
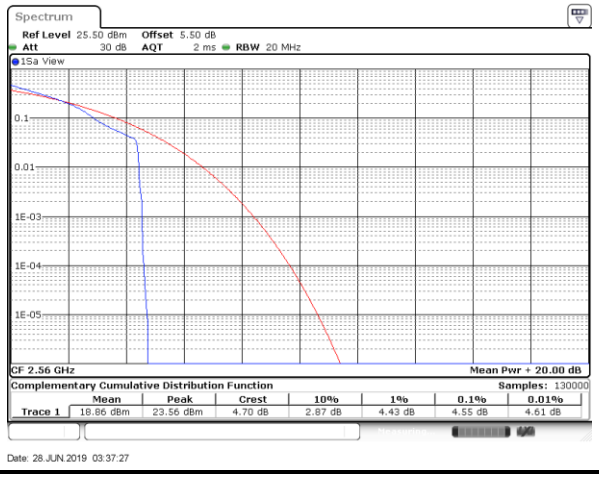
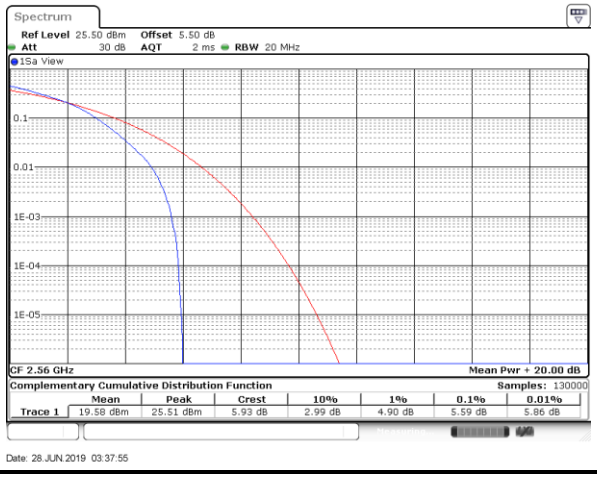
Mode	LTE Band 26 / 15MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.57	4.84	4.29	5.65	PASS
Middle CH	3.45	4.96	3.94	5.71	
Highest CH	3.39	4.9	3.91	5.71	
Mode	LTE Band 26 / 15MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.22	6.17			PASS
Middle CH	5.33	6.35			
Highest CH	4.96	6.23			

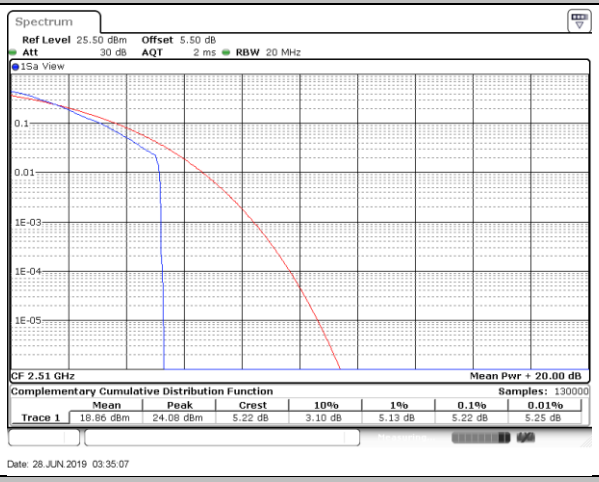
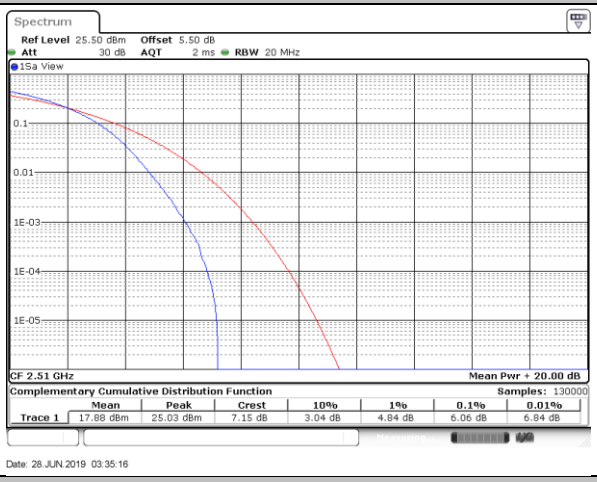
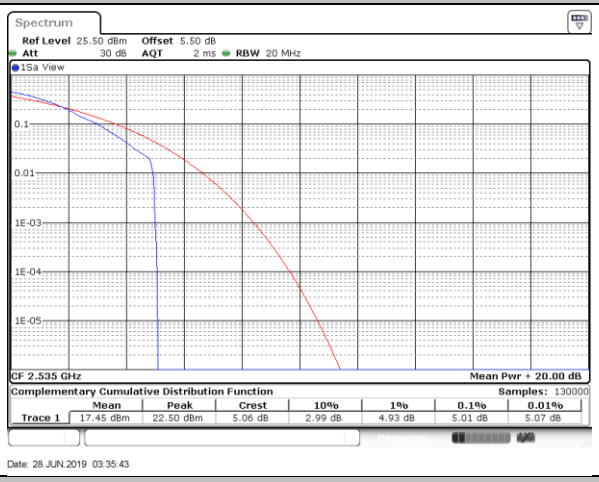
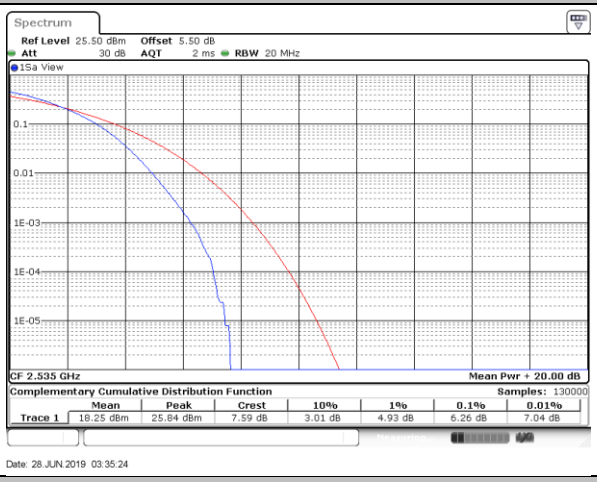
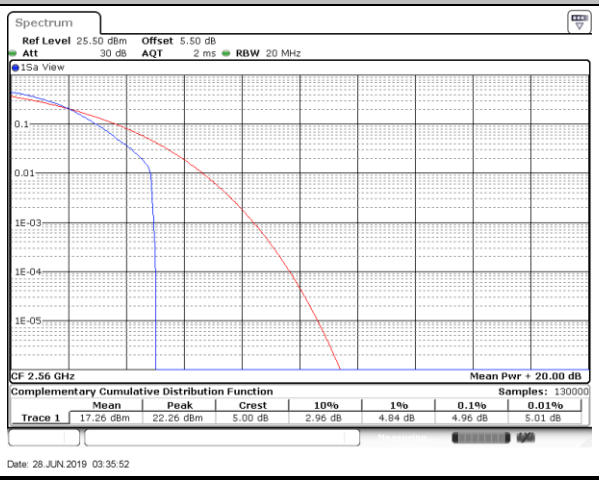
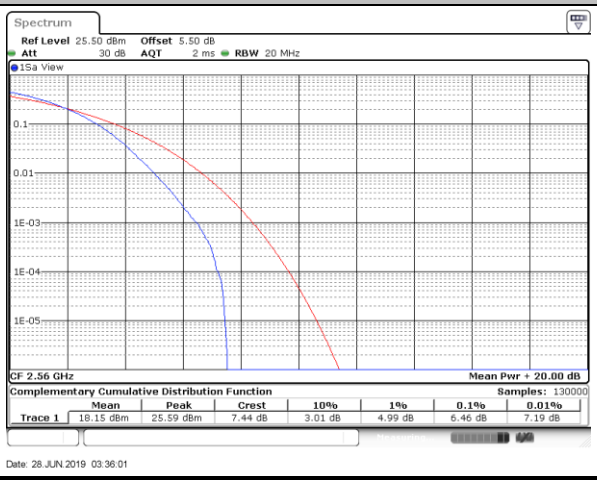
Mode	LTE Band 41 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.43	5.77	5.28	5.91	PASS
Middle CH	4.55	5.19	3.88	5.91	
Highest CH	5.16	6.03	5.77	6.99	
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	3.88	6.81			PASS
Middle CH	4.61	6.26			
Highest CH	5.36	6.58			

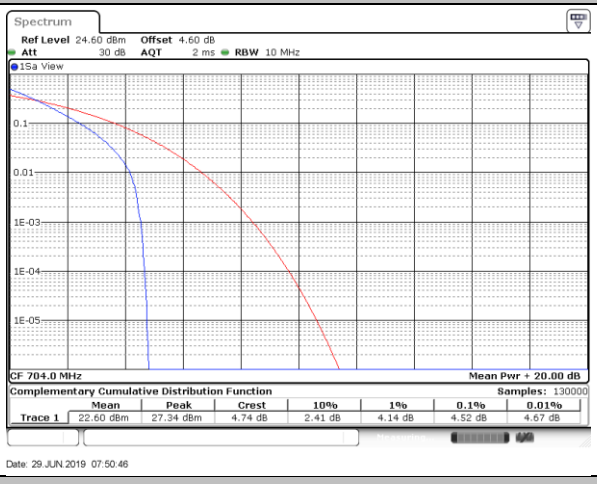
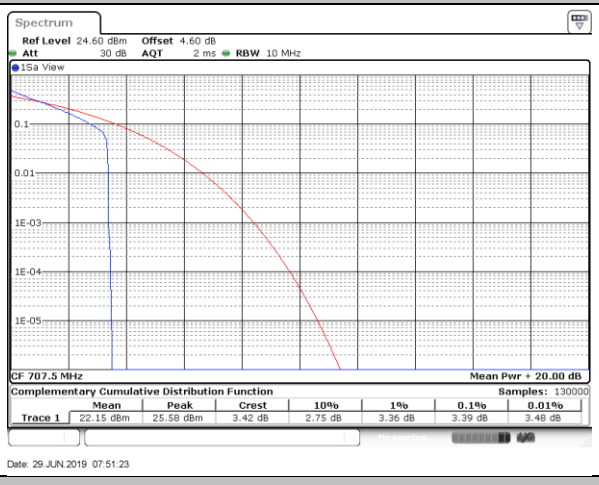
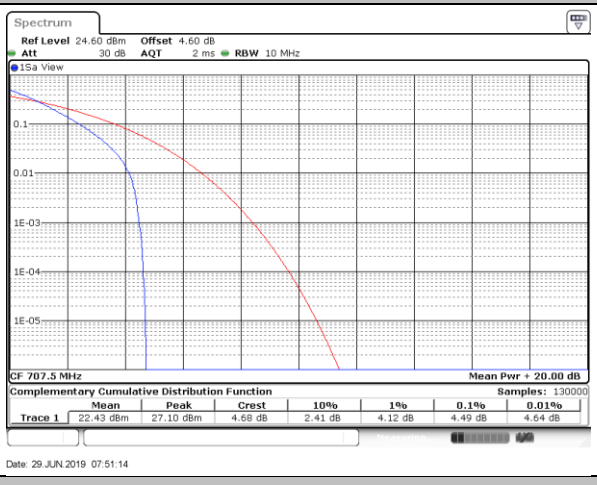
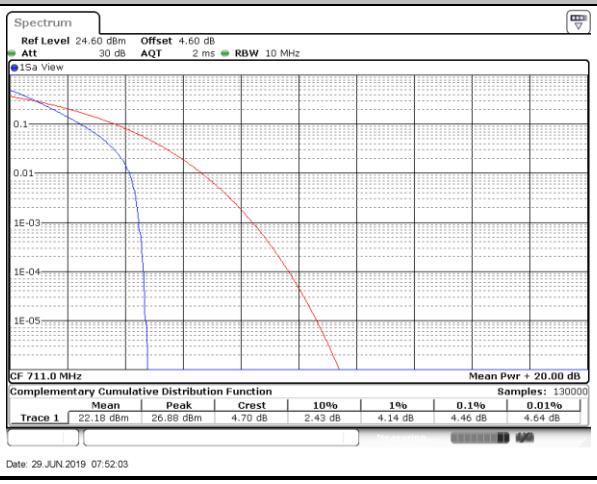
Mode	LTE Band 66 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.19	4.46	3.74	5.57	PASS
Middle CH	3.04	4.43	3.80	5.45	
Highest CH	2.84	4.38	3.39	5.36	
Mode	LTE Band 66 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	4.81	6.32	-	-	PASS
Middle CH	4.49	6.32	-	-	
Highest CH	4.14	6.14	-	-	

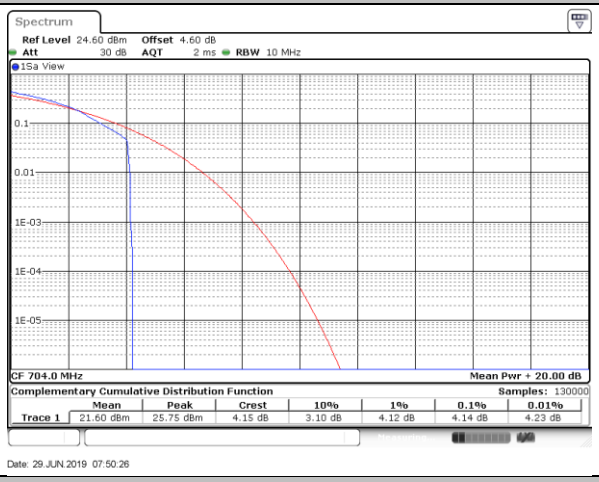
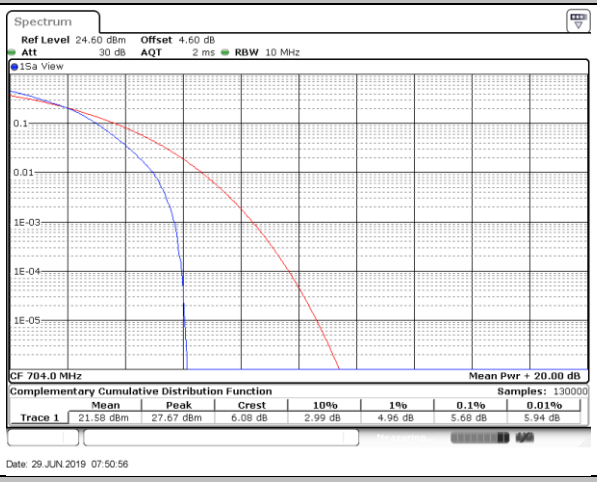
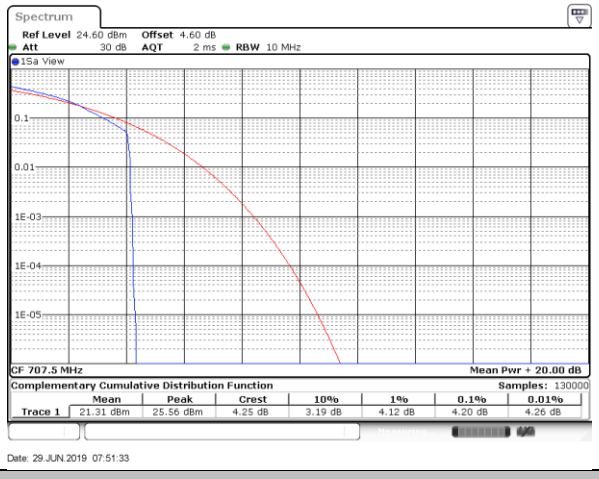
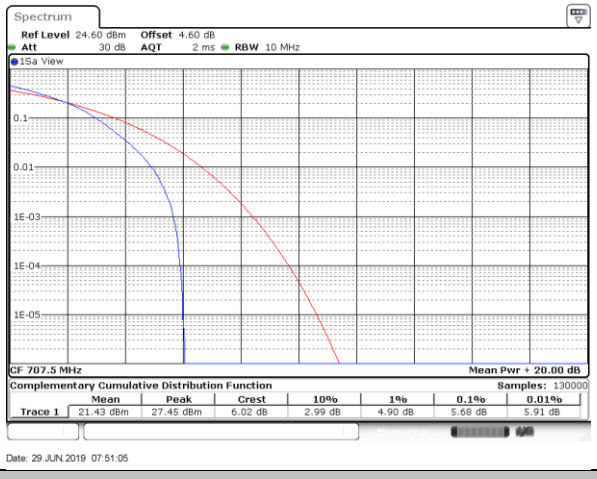
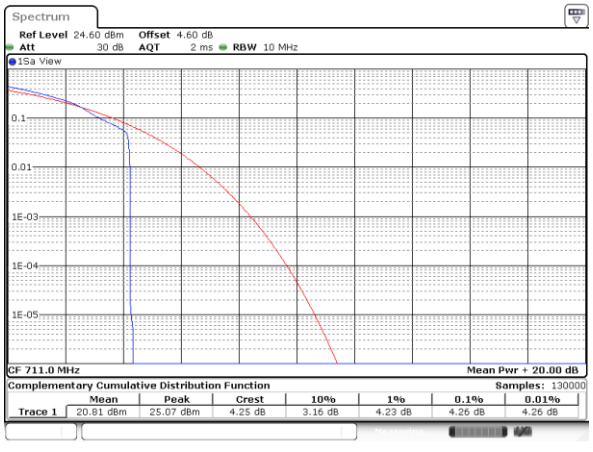
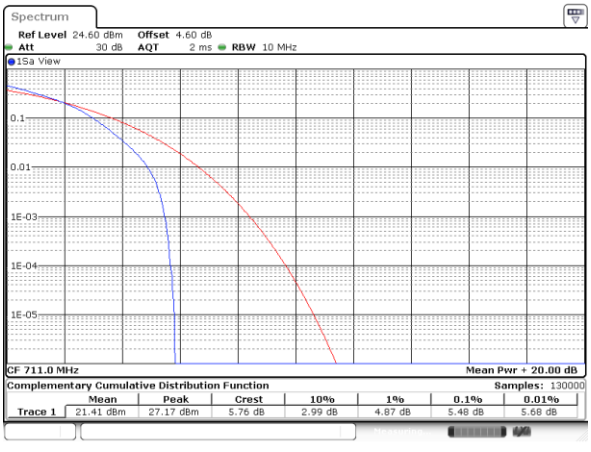
Mode	LTE Band 71 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.28	4.72	4.09	5.71	PASS
Middle CH	3.16	4.67	3.88	5.36	
Highest CH	3.39	4.72	4.09	5.42	
Mod.	64QAM		Limit: 13dB		
RB Size	1RB	Full RB	Result		
Lowest CH	5.22	6.2	PASS		
Middle CH	4.93	6.23			
Highest CH	4.96	6.2			

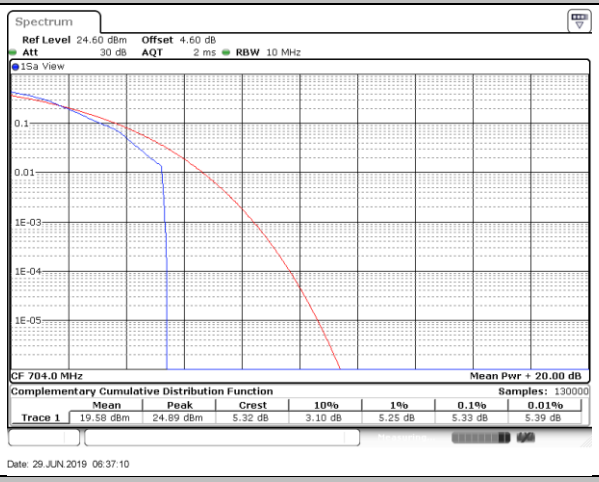
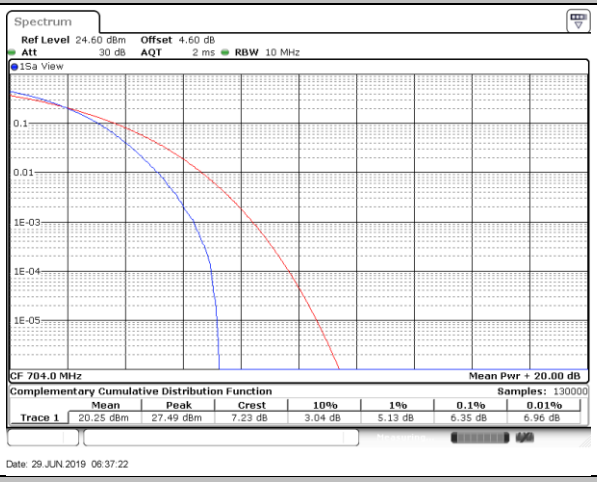
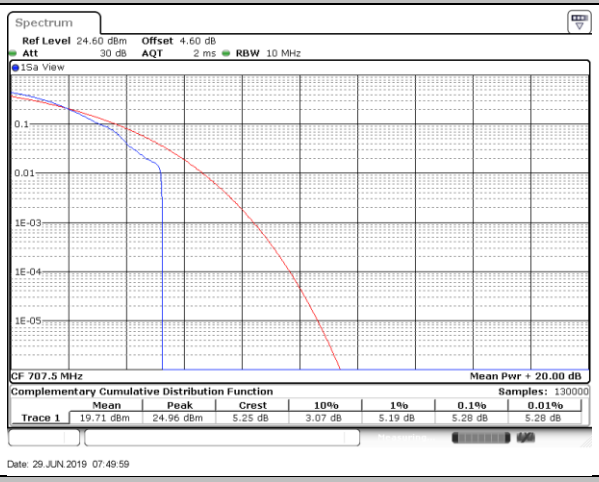
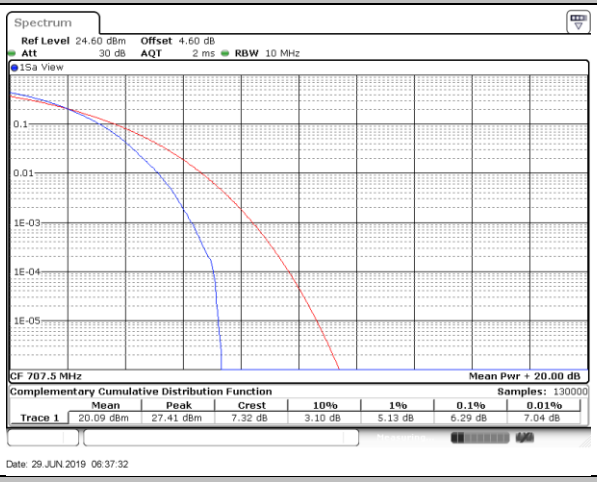
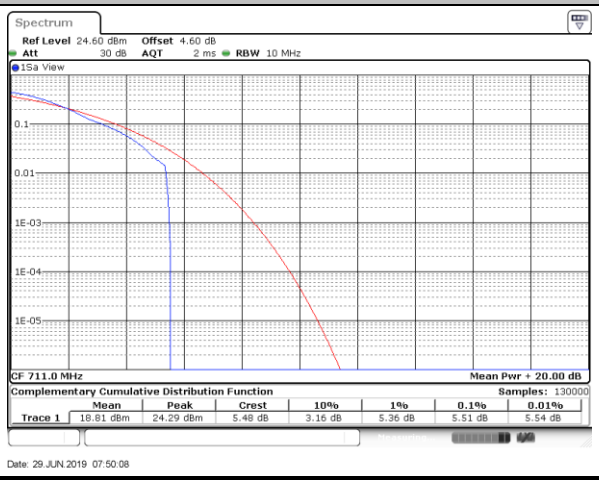
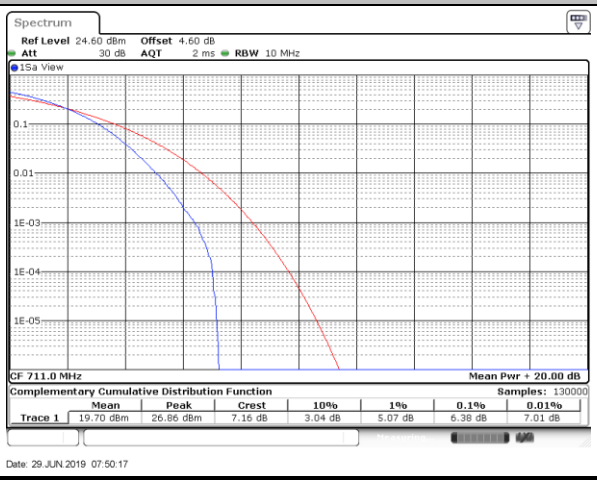
LTE Band 7 / 20MHz / QPSK	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**
	

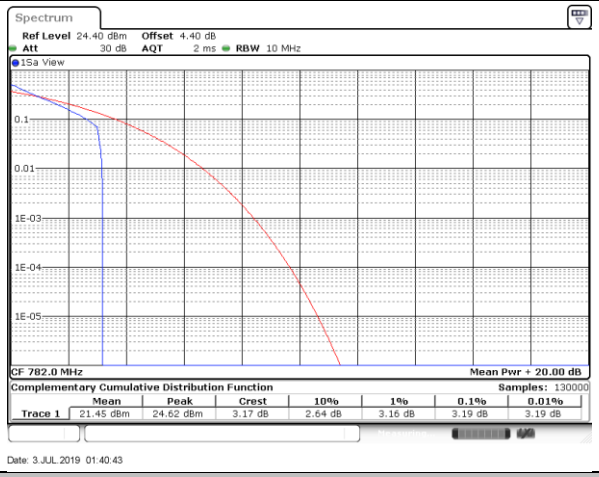
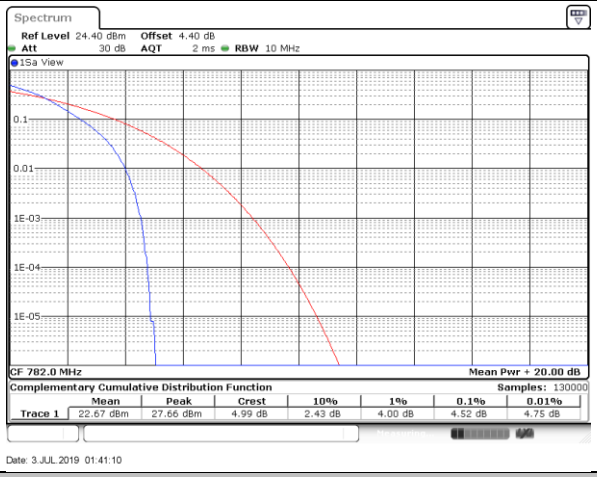
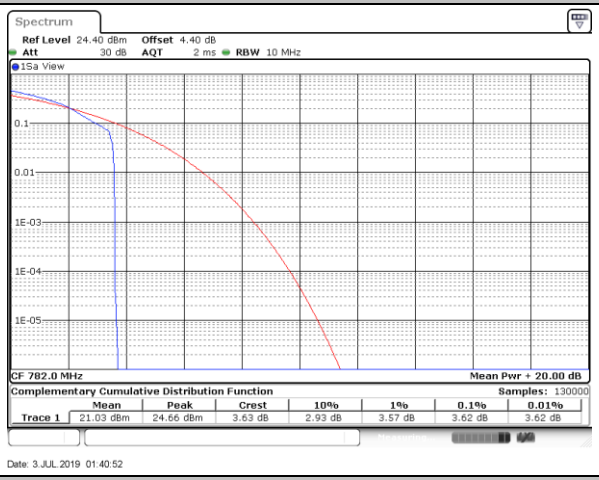
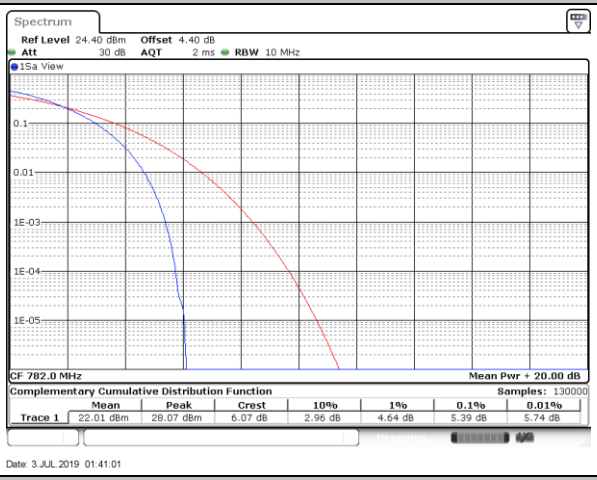
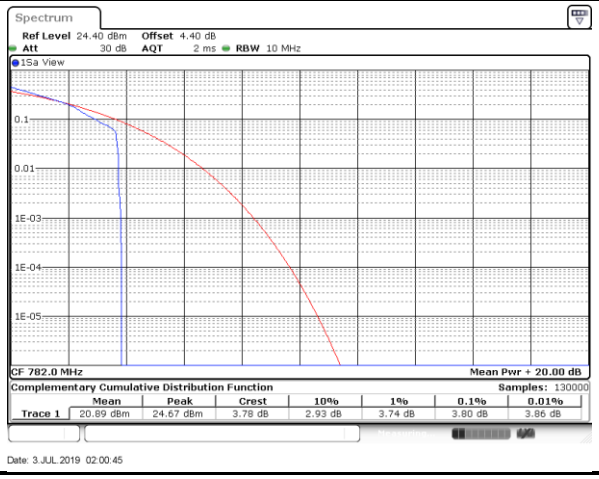
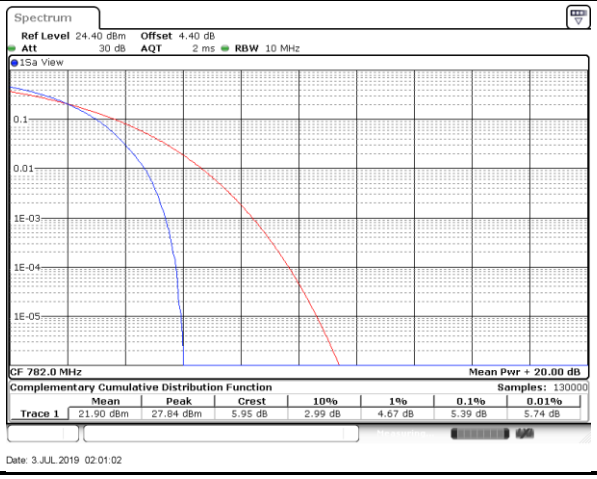
LTE Band 7 / 20MHz / 16QAM	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**
	

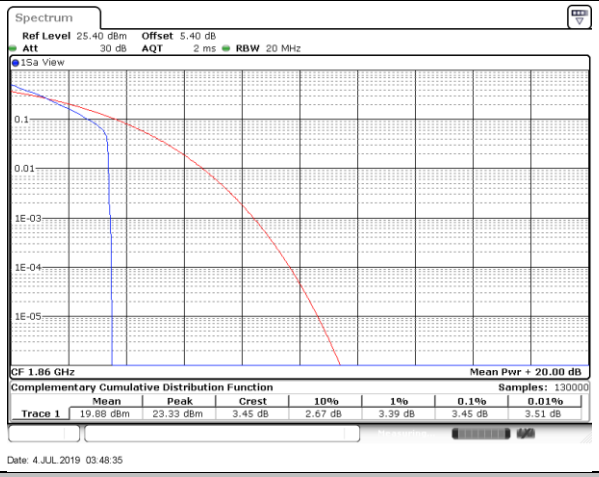
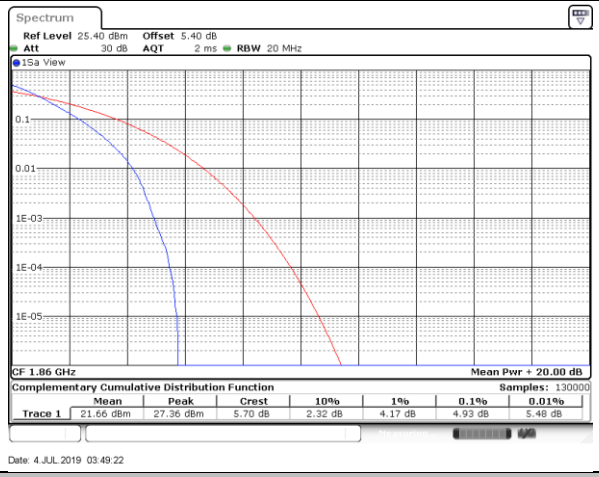
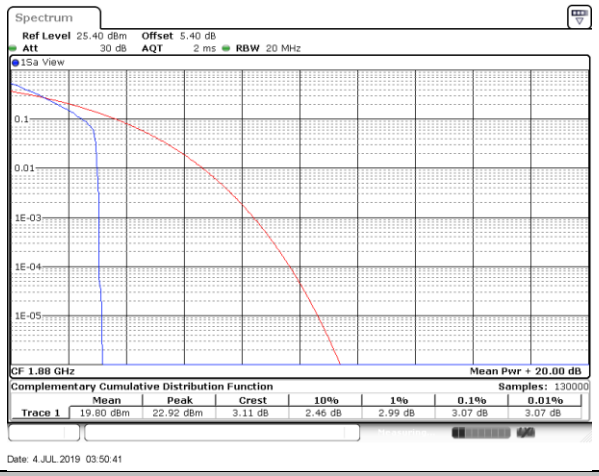
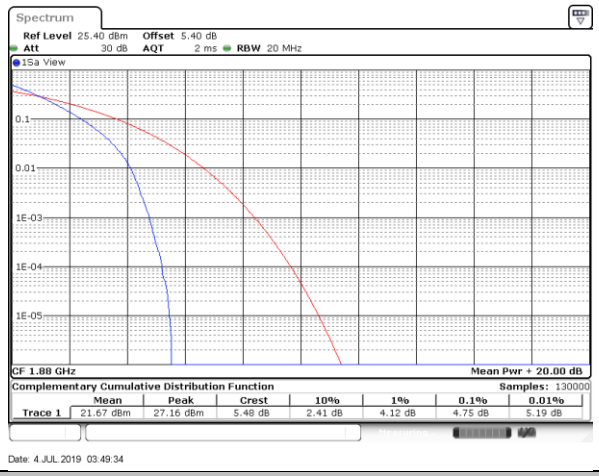
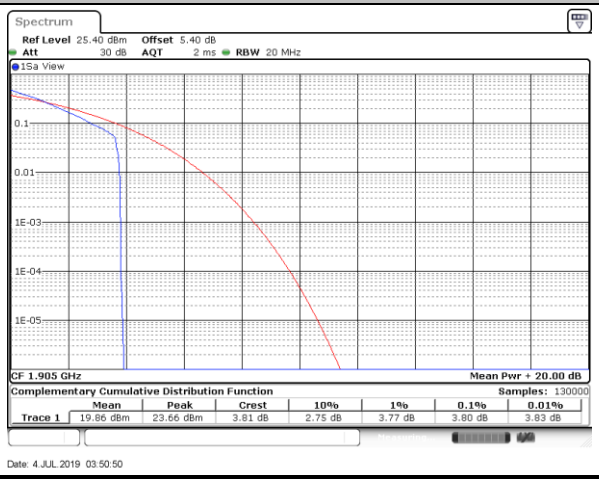
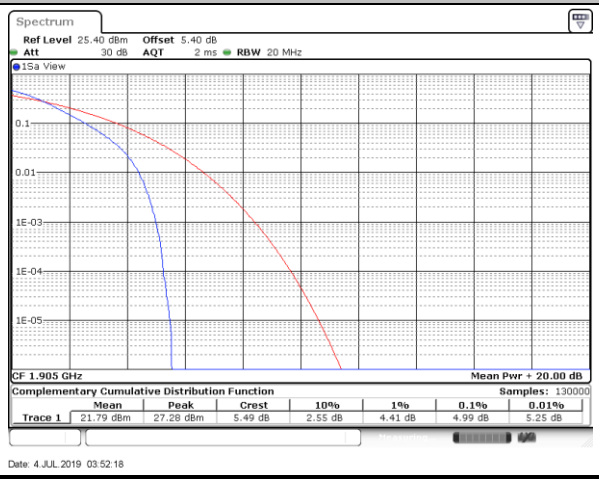
LTE Band 7 / 20MHz / 64QAM	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**
	

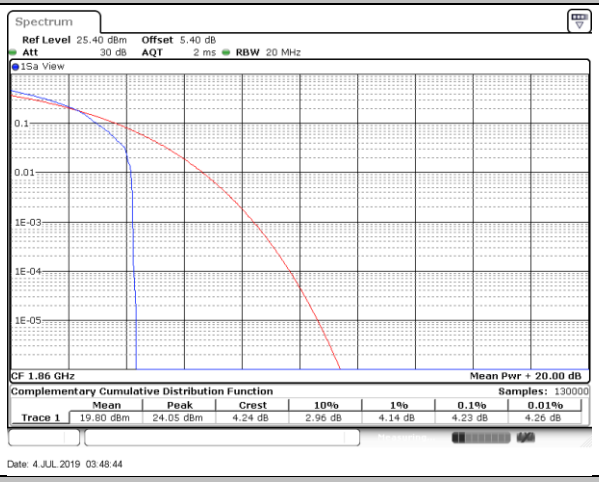
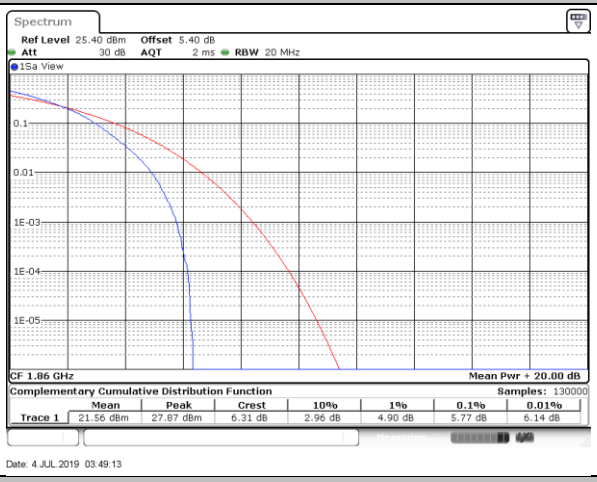
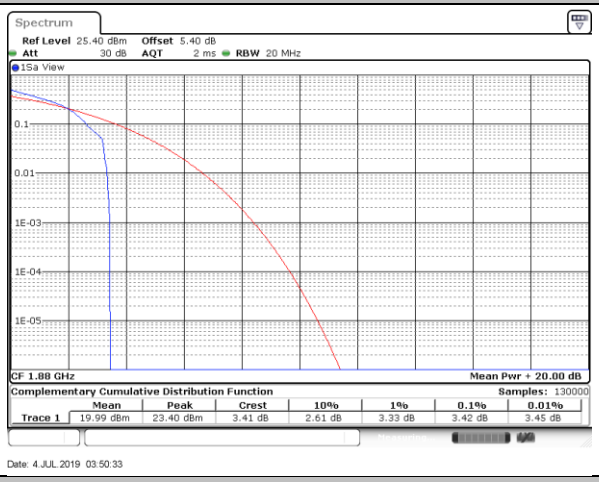
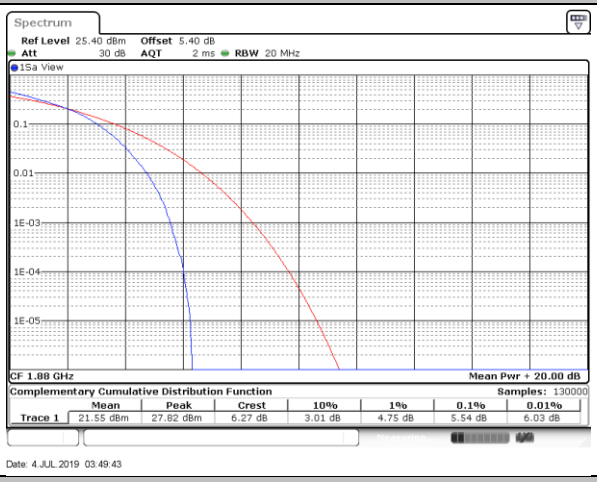
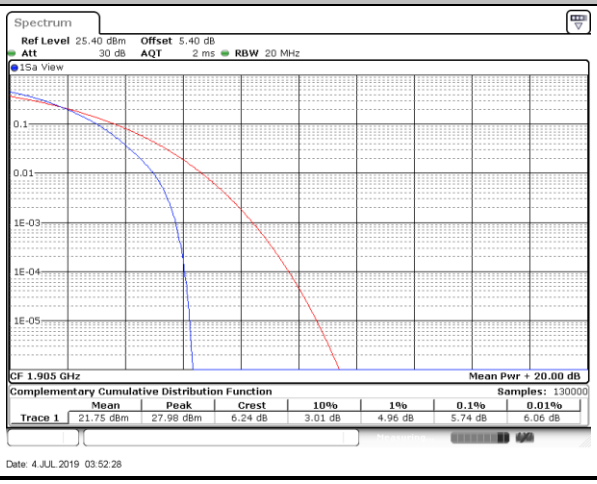
LTE Band 12 / 10MHz / QPSK	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**
	

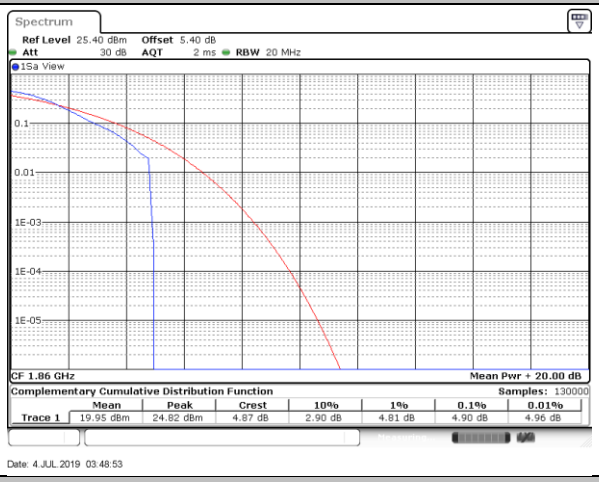
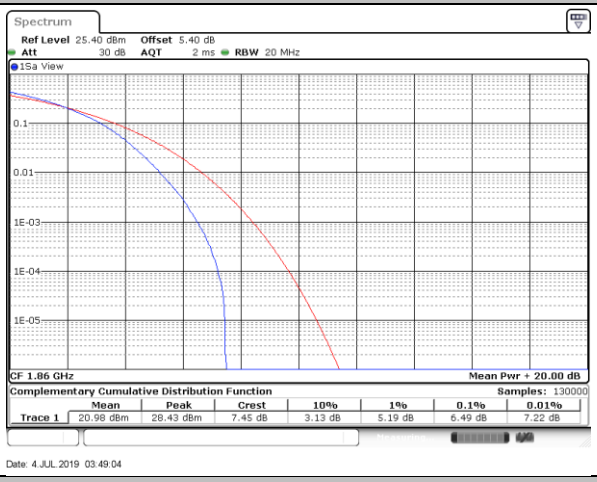
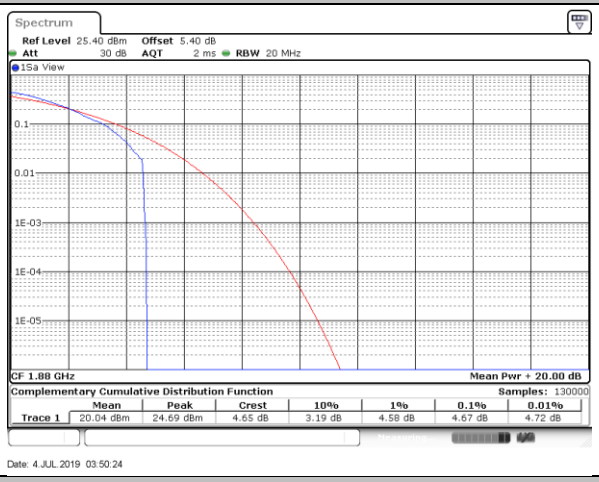
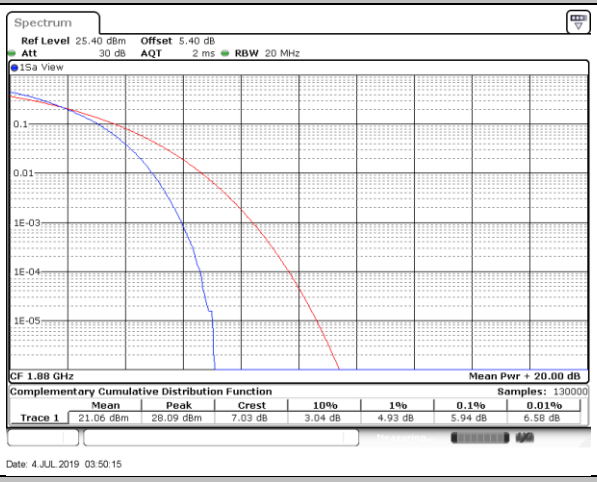
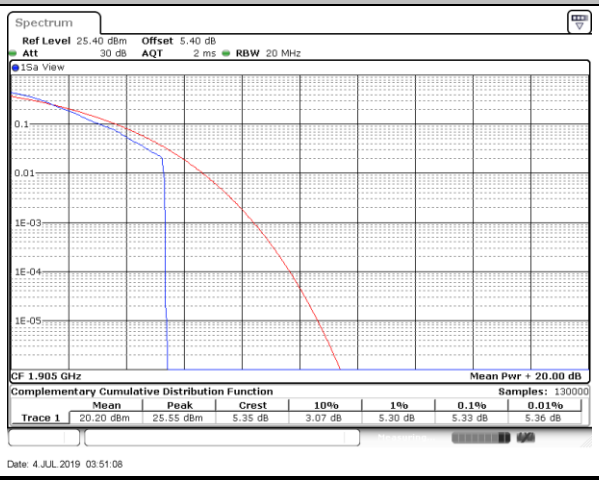
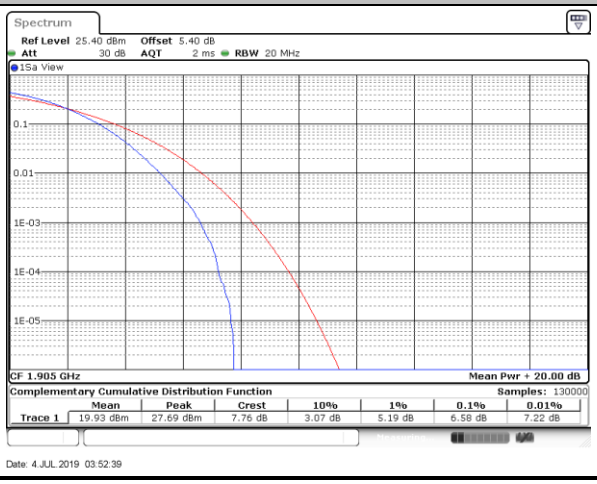
LTE Band 12 / 10MHz / 16QAM	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**
	

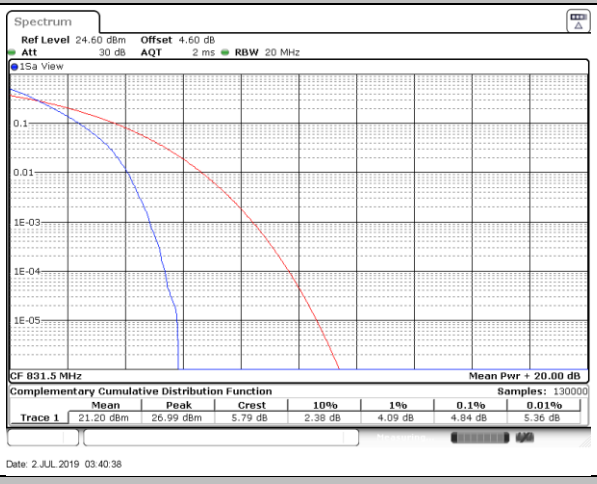
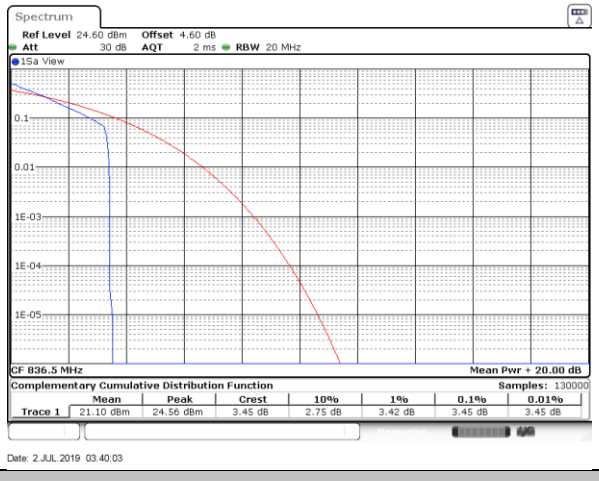
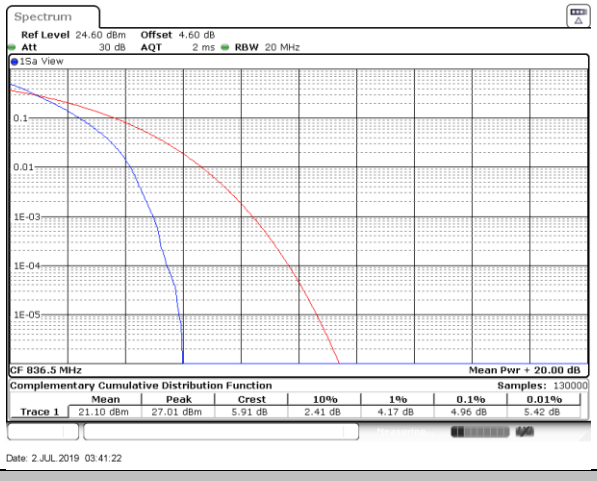
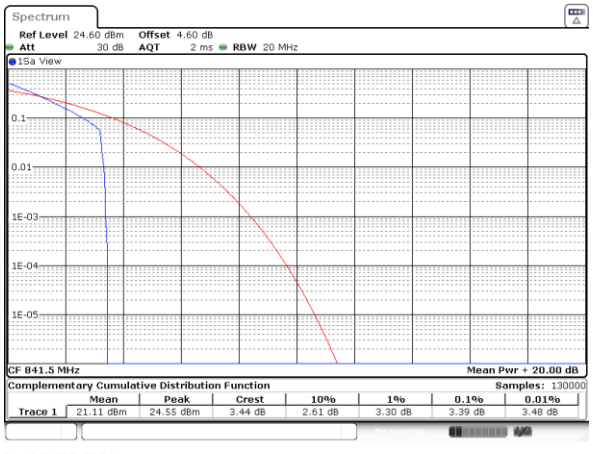
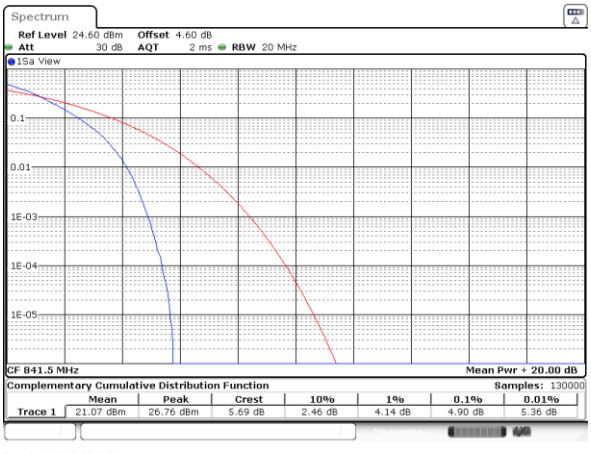
LTE Band 12 / 10MHz / 64QAM	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**
	

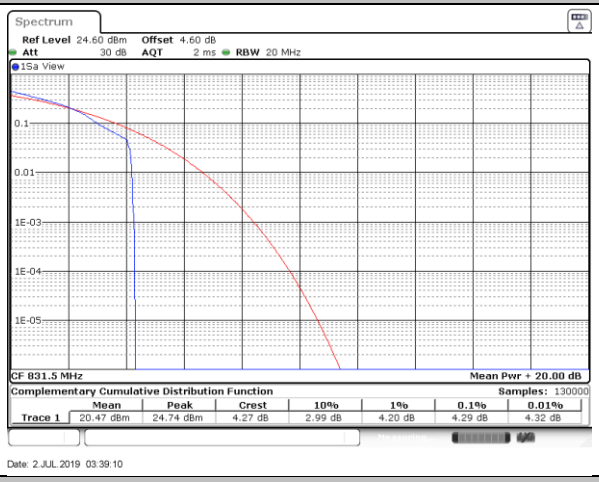
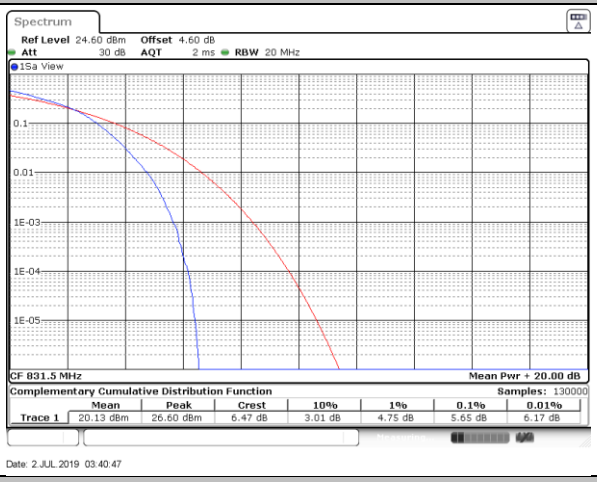
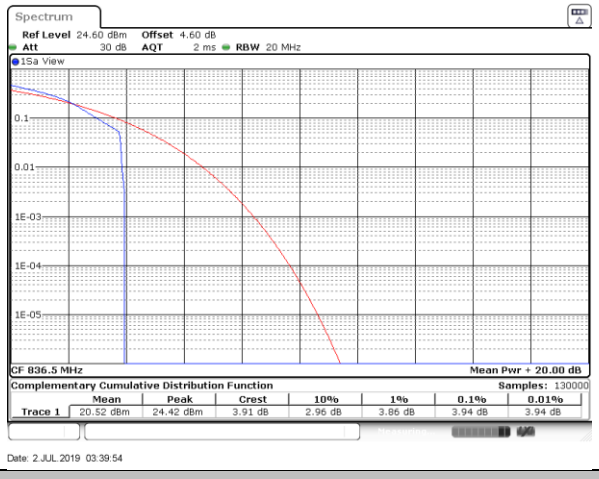
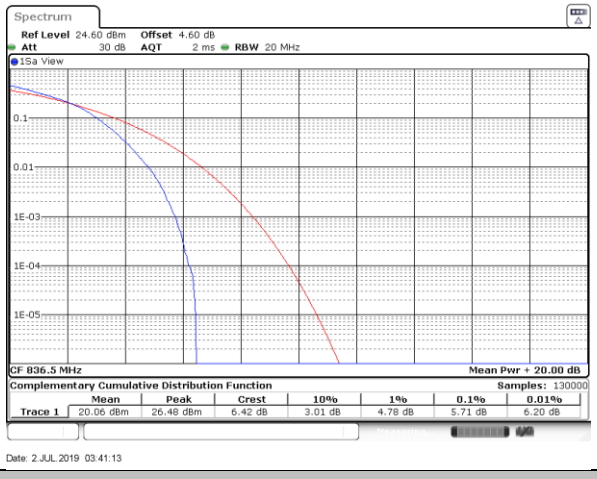
LTE Band 13 / 10MHz / QPSK	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
LTE Band 13 / 10MHz / 16QAM	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
LTE Band 13 / 10MHz / 64QAM	
Middle Channel / 1RB	**Middle Channel / Full RB**
	

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**
	

LTE Band 25 / 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 26 / 15MHz / QPSK	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**
	

LTE Band 26 / 15MHz / 16QAM	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**