



FCC RF Test Report

APPLICANT : ASUSTeK COMPUTER INC.
EQUIPMENT : ASUS Phone(Mobile Phone)
BRAND NAME : ASUS
MODEL NAME : ASUS_AI2401_E
FCC ID : MSQAI2401
STANDARD : 47 CFR Part 2, 22(H), 24(E), 27(L)
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S) : Nov. 02, 2023 ~ Dec. 14, 2023

We, Sporton International Inc. (Shenzhen), 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 Inc. (Shenzhen), the test report shall not be reproduced except in full.

Jason Jia

Approved by: Jason Jia



Sporton International Inc. (ShenZhen)

1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055

People's Republic of China



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG391308B	Rev. 01	Initial issue of report	Jan. 18, 2024



SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	-	Report Only	-
	§22.913(a)(5)	Effective Radiated Power (Band 5) (Band 26)	ERP < 7 Watt	PASS	-
	§24.232(c)	Equivalent Isotropic Radiated Power (Band 2) (Band 25)	EIRP < 2Watt		-
	§27.50(d)(4)	Equivalent Isotropic Radiated Power (Band 4) (Band 66)	EIRP < 1Watt		-
3.5	§24.232(d)	Peak-to-Average Ratio	<13 dB	PASS	-
3.6	§2.1049	Occupied Bandwidth	-	Report Only	-
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 25) (Band 26) (Band 66)	< 43+10log ₁₀ (P[Watts])	PASS	-
3.8	§2.1051 §22.917(a) §24.238(a) §27.53(h)	Conducted Spurious Emission (Band 2) (Band 4) (Band 5) (Band 25) (Band 26) (Band 66)	< 43+10log ₁₀ (P[Watts])	PASS	-
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(h)	Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 25) (Band 26) (Band 66)	< 43+10log ₁₀ (P[Watts])	PASS	Under limit 24.44 dB at 5208.00 MHz

Conformity Assessment Condition:

- The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
- The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty"

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.



1 General Description

1.1 Applicant

ASUSTeK COMPUTER INC.

1F., No. 15, Lide Rd., Beitou Dist., Taipei City 112, Taiwan

1.2 Manufacturer

ASUSTeK COMPUTER INC.

1F., No. 15, Lide Rd., Beitou Dist., Taipei City 112, Taiwan

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	ASUS Phone(Mobile Phone)
Brand Name	ASUS
Model Name	ASUS_AI2401_E
FCC ID	MSQAI2401
IMEI Code	Conducted: 356313810100690/356313810100708 Radiation: 356313810100674/356313810100682
HW Version	R2.0
SW Version	Android 14
EUT Stage	Identical Prototype

Remark: There are four SKUs of EUT for this project. The differences between them are summary below, According to the difference, we evaluate SKU1 to perform full test.

Sample list				
	SKU1	SKU2	SKU3	SKU4
Model	ASUS_AI2401_E	ASUS_AI2401_E	ASUS_AI2401_E	ASUS_AI2401_E
Config.	US(Pro)	US(Entry)	US(Pro)	US(Entry)
RF module board	US(Pro)	US(Entry)	US(Pro)	US(Entry)
LCD+Touch front frame module	AI2401 FRONT CASE ASSY	AI2401 FRONT CASE ASSY	AI2401 FRONT CASE ASSY	AI2401 FRONT CASE ASSY
DDR	16G(HYNIX) HYNIX / H58G76BK8HX095	16G(Micron) Micron / MT62F2G64D8ZA-023 WT:C	16G(HYNIX) HYNIX / H58G76BK8HX095	16G(Micron) Micron / MT62F2G64D8ZA-023 WT:C
UFS	1TB(Samsung) Samsung / KLUGGARHHD-B0G1	512G(HYNIX) (UFS4.0) HYNIX / HN8T274EJKX130	1TB(Samsung) Samsung / KLUGGARHHD-B0G1	512G(HYNIX) (UFS4.0) HYNIX / HN8T274EJKX130
MB	AI2401_MB	AI2401_MB	AI2401_MB	AI2401_MB
Back cover SKU	WW Pro(Mini LED)	WW Entry(LGF)	WW Pro(Mini LED)	WW Entry(LGF)
Battery	SCUD / C21P2301	SCUD / C21P2301	SCUD / C21P2301	SCUD / C21P2301
Main 50+13M	SHINETECH / DDN03B	RAYPRUS / CASDJ-000A	RAYPRUS / CASDJ-000A	SHINETECH / DDN03B
Tele 32M	Kunshan Q-TECH / C3HS01	SHINETECH / DHG01B	SHINETECH / DHG01B	Kunshan Q-TECH / C3HS01
Front 32M	TSPRECISION /	RAYPRUS /	RAYPRUS /	TSPRECISION /



	TVHF3046	CASG-000A	CASG-000A	TVHF3046
PCB	COMPEQ	COMPEQ	COMPEQ	COMPEQ
CPU	QUALCOMM SM-8650 MPSP1629	QUALCOMM SM-8650 MPSP1629	QUALCOMM SM-8650 MPSP1629	QUALCOMM SM-8650 MPSP1629
WPC antenna	ASAP	INPAQ	INPAQ	ASAP
NFC antenna	ASAP	INPAQ	INPAQ	ASAP
WWAN/WLAN /BT/GPS antenna	INPAQ	ASAP	ASAP	INPAQ

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	LTE Band 2 : 1850 MHz ~ 1910 MHz LTE Band 4 : 1710 MHz ~ 1755 MHz LTE Band 5 : 824 MHz ~ 849 MHz LTE Band 25 : 1850 MHz ~ 1915 MHz LTE Band 26 : 824 MHz ~ 849 MHz LTE Band 66 : 1710 MHz ~ 1780 MHz
Rx Frequency	LTE Band 2 : 1930 MHz ~ 1990 MHz LTE Band 4 : 2110 MHz ~ 2155 MHz LTE Band 5 : 869 MHz ~ 894 MHz LTE Band 25 : 1930 MHz ~ 1995 MHz LTE Band 26 : 869 MHz ~ 894 MHz LTE Band 66 : 2110 MHz ~ 2200 MHz
Bandwidth	LTE Band 2 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 4 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 5 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 25 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 26 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz LTE Band 66 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz
Maximum Output Power to Antenna	Ant.0 LTE Band 5 : 24.31 dBm LTE Band 5B : 24.26 dBm LTE Band 26 : 24.47 dBm Ant.1 LTE Band 2 : 23.50 dBm LTE Band 2C : 23.48 dBm LTE Band 4 : 23.65 dBm LTE Band 25 : 23.81 dBm LTE Band 66 : 23.98 dBm LTE Band 66B : 23.73 dBm LTE Band 66C : 23.78 dBm Ant.2 LTE Band 2 : 23.50 dBm LTE Band 4 : 23.65 dBm LTE Band 5 : 24.31 dBm LTE Band 25 : 23.81 dBm LTE Band 26 : 24.47 dBm LTE Band 66 : 23.98 dBm Ant.7 LTE Band 2 : 23.04 dBm LTE Band 4 : 23.07 dBm LTE Band 25 : 23.05 dBm

Antenna Gain	LTE Band 66 : 23.09 dBm
	Ant.0
	LTE Band 5/26 : -1.60 dBi
	Ant.1
	LTE Band 2/25 : -1.10 dBi
	LTE Band 4/66 : -1.80 dBi
	Ant.2
	LTE Band 2/25 : -2.20 dBi
	LTE Band 4/66 : -1.70 dBi
	LTE Band 5/26 : -3.70 dBi
Type of Modulation	Ant.7
	LTE Band 2/25 : -4.60 dBi
	LTE Band 4/66 : -5.80 dBi
QPSK / 16QAM / 64QAM / 256QAM	

Note:

1. The maximum ERP/EIRP is calculated from max output power and max antenna gain, only the maximum ERP/EIRP of Ant 0 for LTE Band 5/26/5B, Ant 1 for LTE Band 2/25/2C/66B/66C, and Ant 2 for LTE Band 4/66 are shown in the report.
2. The device supports two PAs for LTE Band 25/66 (main PA and other PA), both the PA are full tested, only the worst results of main PA are shown in the report.

1.5 Modification of EUT

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

1.6 Maximum ERP/EIRP Power and Emission Designator

LTE Band 2		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
1.4	1850.7 ~ 1909.3	0.1730	1M10G7D	0.1500	1M10W7D
3	1851.5 ~ 1908.5	0.1730	2M74G7D	0.1500	2M75W7D
5	1852.5 ~ 1907.5	0.1722	4M48G7D	0.1514	4M52W7D
10	1855.0 ~ 1905.0	0.1714	9M07G7D	0.1507	9M03W7D
15	1857.5 ~ 1902.5	0.1714	13M5G7D	0.1479	13M5W7D
20	1860.0 ~ 1900.0	0.1738	17M9G7D	0.1510	18M0W7D
LTE Band 4		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
1.4	1710.7 ~ 1754.3	0.1563	1M10G7D	0.1330	1M10W7D
3	1711.5 ~ 1753.5	0.1552	2M72G7D	0.1318	2M74W7D
5	1712.5 ~ 1752.5	0.1560	4M50G7D	0.1340	4M52W7D
10	1715.0 ~ 1750.0	0.1560	9M05G7D	0.1337	9M01W7D
15	1717.5 ~ 1747.5	0.1552	13M5G7D	0.1346	13M5W7D
20	1720.0 ~ 1745.0	0.1567	17M9G7D	0.1352	17M9W7D
LTE Band 5		QPSK		16QAM/64QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
1.4	824.7 ~ 848.3	0.1122	1M10G7D	0.0966	1M09W7D
3	825.5 ~ 847.5	0.1122	2M72G7D	0.0951	2M73W7D
5	826.5 ~ 846.5	0.1130	4M51G7D	0.0968	4M49W7D
10	829.0 ~ 844.0	0.1138	9M01G7D	0.0959	8M97W7D
LTE Band 25		QPSK		16QAM/64QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
1.4	1850.7 ~ 1914.3	0.1845	1M10G7D	0.1603	1M10W7D
3	1851.5 ~ 1913.5	0.1849	2M74G7D	0.1567	2M75W7D
5	1852.5 ~ 1912.5	0.1841	4M48G7D	0.1589	4M52W7D
10	1855.0 ~ 1910.0	0.1858	9M07G7D	0.1607	9M03W7D
15	1857.5 ~ 1907.5	0.1837	13M5G7D	0.1574	13M5W7D
20	1860.0 ~ 1905.0	0.1866	17M9G7D	0.1585	18M0W7D



LTE Band 26		QPSK		16QAM/64QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
1.4	824.7 ~ 848.3	0.1161	1M10G7D	0.0995	1M09W7D
3	825.5 ~ 847.5	0.1175	2M72G7D	0.1026	2M73W7D
5	826.5 ~ 846.5	0.1172	4M51G7D	0.1005	4M49W7D
10	829.0 ~ 844.0	0.1167	9M01G7D	0.1005	8M97W7D
15	831.5 ~ 841.5	0.1180	13M5G7D	0.1005	13M5W7D
CH26790	824.0	0.1570	13M5G7D	0.1330	13M5W7D
LTE Band 66		QPSK		16QAM/64QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
1.4	1710.7 ~ 1779.3	0.1660	1M10G7D	0.1439	1M10W7D
3	1711.5 ~ 1778.5	0.1683	2M72G7D	0.1435	2M74W7D
5	1712.5 ~ 1777.5	0.1675	4M50G7D	0.1429	4M52W7D
10	1715.0 ~ 1775.0	0.1671	9M05G7D	0.1459	9M01W7D
15	1717.5 ~ 1772.5	0.1663	13M5G7D	0.1422	13M5W7D
20	1720.0 ~ 1770.0	0.1690	17M9G7D	0.1489	17M9W7D

LTE Band CA_2C		QPSK		16QAM/64QAM	
BW (MHz)		Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5MHz+20MHz		0.1710	23M4G7D	0.1528	23M2W7D
10MHz+15MHz		0.1694	23M6G7D	0.1567	23M4W7D
10MHz+20MHz		0.1690	28M0G7D	0.1563	27M9W7D
15MHz+10MHz		0.1706	23M5G7D	0.1563	23M2W7D
15MHz+15MHz		0.1710	28M5G7D	0.1567	28M4W7D
15MHz+20MHz		0.1702	33M2G7D	0.1560	32M7W7D
20MHz+5MHz		0.1687	23M3G7D	0.1552	23M1W7D
20MHz+10MHz		0.1698	27M6G7D	0.1552	23M1W7D
20MHz+15MHz		0.1710	32M9G7D	0.1567	32M9W7D
20MHz+20MHz		0.1730	37M4G7D	0.1589	37M8W7D



LTE Band CA_5B		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)	
3MHz+5MHz	0.1096	7M51G7D	0.0948	7M54W7D	
5MHz+3MHz	0.1079	7M50G7D	0.0968	7M51W7D	
5MHz+10MHz	0.1112	14M0G7D	0.0979	13M8W7D	
10MHz+5MHz	0.1107	13M9G7D	0.0973	13M9W7D	
10MHz+10MHz	0.1125	18M9G7D	0.0995	18M7W7D	
LTE Band CA_66B		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	
5MHz+5MHz	0.1524	9M19G7D	0.1413	9M29W7D	
5MHz+10MHz	0.1538	13M9G7D	0.1400	13M9W7D	
5MHz+15MHz	0.1528	18M1G7D	0.1406	18M0W7D	
10MHz+5MHz	0.1542	13M9G7D	0.1403	13M8W7D	
15MHz+5MHz	0.1542	18M2G7D	0.1409	18M3W7D	
10MHz+10MHz	0.1560	18M9G7D	0.1429	18M7W7D	
LTE Band CA_66C		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)	
5MHz+20MHz	0.1560	23M2G7D	0.1403	23M3W7D	
10MHz+15MHz	0.1560	23M4G7D	0.1400	23M0W7D	
10MHz+20MHz	0.1556	27M9G7D	0.1406	27M8W7D	
15MHz+10MHz	0.1556	23M3G7D	0.1400	23M5W7D	
15MHz+15MHz	0.1545	28M5G7D	0.1403	28M5W7D	
15MHz+20MHz	0.1556	32M9G7D	0.1406	32M5W7D	
20MHz+5MHz	0.1560	23M4G7D	0.1380	23M3W7D	
20MHz+10MHz	0.1560	28M1G7D	0.1400	28M2W7D	
20MHz+15MHz	0.1545	32M7G7D	0.1403	32M7W7D	
20MHz+20MHz	0.1578	37M4G7D	0.1422	37M8W7D	

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.

1.7 Testing Location

Sporton International Inc. (ShenZhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

Test Firm	Sporton International Inc. (ShenZhen)		
Test Site Location	1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055 People's Republic of China TEL: +86-755-86379589 FAX: +86-755-86379595		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	TH01-SZ	CN1256	421272

Test Firm	Sporton International Inc. (ShenZhen)		
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City, Guangdong Province 518103 People's Republic of China TEL: +86-755-86066985		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	03CH03-SZ	CN1256	421272

1.8 Test Software

Item	Site	Manufacture	Name	Version
1.	03CH03-SZ	AUDIX	E3	6.2009-8-24

1.9 Applicable Standards

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

- 47 CFR Part 2, 22(H), 24(E), 27(L)
- 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. (X/Y Plane)

Test Items	Band	Bandwidth (MHz)						Modulation				RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16 QAM	64 QAM	256 QAM	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	v
	4	v	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	v
	25	v	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	v
	66	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	25						v	v	v	v				v		v	
	26				v		-	v	v	v				v		v	
	66						v	v	v	v				v		v	
26dB and 99% Bandwidth	25	v	v	v	v	v	v	v	v					v		v	
	26	v	v	v	v	v	-	v	v					v		v	
	66	v	v	v	v	v	v	v	v					v		v	
Conducted Band Edge	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
	66	v	v	v	v	v	v	v	v	v		v		v	v		v
Conducted Spurious Emission	25	v	v	v	v	v	v	v				v			v	v	v
	26	v	v	v	v	v	-	v				v			v	v	v
	66	v	v	v	v	v	v	v				v			v	v	v
Frequency Stability	25				v			v						v		v	
	26				v		-	v						v		v	
	66				v			v						v		v	



Test Items	Band	Bandwidth (MHz)						Modulation				RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16 QAM	64 QAM	256 QAM	1	Half	Full	L	M	H
E.R.P / E.I.R.P	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
	66	v	v	v	v	v	v	v	v	v		v			v	v	v
Radiated Spurious Emission	25	Worst Case														v	
	26	Worst Case														v	
	66	Worst Case														v	
Note	1. The mark “v ” means that this configuration is chosen for testing 2. The mark “-“ means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.																

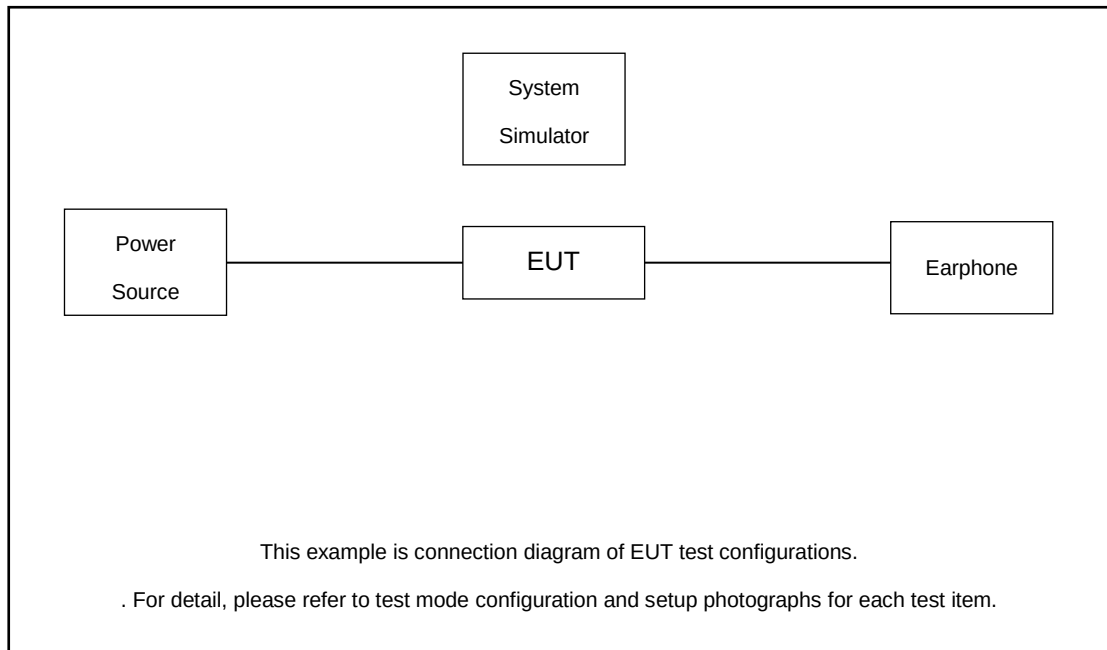
Test Items	Band	Bandwidth (MHz)										Modulation				RB #			Test Channel			
		20+20	20+15	20+10	20+5	15+20	15+15	15+10	10+20	10+15	5+20	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H	
Max. Output Power	2C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v		v	v	v	v	
26dB and 99% Bandwidth	2C_CA	v	v	v	v	v	v	v	v	v	v	v	v							v		
Conducted Band Edge	2C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v		v		v	v		v	
Conducted Spurious Emission	2C_CA	v	v	v	v	v	v	v	v	v	v	v				v			v	v	v	
E.I.R.P.	2C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v			v	v	v	
Radiated Spurious Emission	2C_CA	Worst Case																			v	
Note	1. The mark “v “ means that this configuration is chosen for testing 2. 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. 3. All test items are based on engineering evaluation. 4. For QAM modulation mode, the whole testing has assessed 16QAM&64QAM mode by referring to the higher conducted power																					



Test Items	Band	Bandwidth (MHz)								Modulation				RB #			Test Channel		
		10+10	15+5	5+15	10+5	5+10	5+5	5+3	3+5	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	5B_CA	v	-	-	v	v	-	v	v	v	v	v	v	v		v	v	v	v
	66B_CA	v	v	v	v	v	v	-	-	v	v	v	v	v		v	v	v	v
26dB and 99% Bandwidth	5B_CA	v	-	-	v	v	-	v	v	v	v					v		v	
	66B_CA	v	v	v	v	v	v	-	-	v	v					v		v	
Conducted Band Edge	5B_CA	v	-	-	v	v	-	v	v	v	v	v		v		v	v		v
	66B_CA	v	v	v	v	v	v	-	-	v	v	v		v		v	v		v
Conducted Spurious Emission	5B_CA	v	-	-	v	v	-	v	v	v				v			v	v	v
	66B_CA	v	v	v	v	v	v	-	-	v				v			v	v	v
E.I.R.P.	5B_CA	v	-	-	v	v	-	v	v	v	v	v	v	v			v	v	v
	66B_CA	v	v	v	v	v	v	-	-	v	v	v	v	v			v	v	v
Radiated Spurious Emission	5B_CA	Worst Case																v	
	66B_CA	Worst Case																v	
Note	1. The mark “v ” means that this configuration is chosen for testing 2. The mark “-“ means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. 4. All test items are based on engineering evaluation. 5. For QAM modulation mode, the whole testing has assessed 16QAM&64QAM mode by referring to the higher conducted power																		

Test Items	Band	Bandwidth (MHz)										Modulation				RB #			Test Channel			
		20+20	20+15	20+10	20+5	15+20	15+15	15+10	10+20	10+15	5+20	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H	
Max. Output Power	66C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v		v	v	v	v	
26dB and 99% Bandwidth	66C_CA	v	v	v	v	v	v	v	v	v	v	v	v							v		
Conducted Band Edge	66C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v			v		v		v	
Conducted Spurious Emission	66C_CA	v	v	v	v	v	v	v	v	v	v	v					v			v	v	
E.I.R.P.	66C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v				v	v	
Radiated Spurious Emission	66C_CA	Worst Case																			v	
Note	1. The mark “v “ means that this configuration is chosen for testing 2. 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. 3. All test items are based on engineering evaluation. 4. For QAM modulation mode, the whole testing has assessed 16QAM&64QAM mode by referring to the higher conducted power																					

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	Power Supply	GWINSTEK	PSS-2002	N/A	N/A	Unshielded, 1.8 m
2.	LTE Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
3.	Earphone	N/A	N/A	N/A	N/A	N/A

2.4 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor 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 and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.5 dB and 10dB attenuator.

Example :

$$\begin{aligned}
 \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)}. \\
 &= 4.5 + 10 = 14.5 \text{ (dB)}
 \end{aligned}$$



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 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 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 5B_CA Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
3 + 5	PCC	Channel	20416	20501	20586
		Frequency	825.6	834.1	842.6
	SCC	Channel	20455	20540	20625
		Frequency	829.5	838.0	846.5
5 + 3	PCC	Channel	20425	20510	20595
		Frequency	826.5	835.0	843.5
	SCC	Channel	20464	20549	20634
		Frequency	830.4	838.9	847.4
5 + 10	PCC	Channel	20428	20478	20528
		Frequency	826.8	831.8	836.8
	SCC	Channel	20500	20550	20600
		Frequency	834	839	844
10 + 5	PCC	Channel	20450	20500	20550
		Frequency	829	834	839
	SCC	Channel	20522	20572	20622
		Frequency	836.2	841.2	846.2
10 + 10	PCC	Channel	20450	20476	20501
		Frequency	829	831.6	834.1
	SCC	Channel	20549	20575	20600
		Frequency	838.9	841.5	844



LTE Band 2C_CA Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
5 + 20	PCC	Channel	18633	18808	18983
		Frequency	1853.3	1870.8	1888.3
	SCC	Channel	18750	18925	19100
		Frequency	1865	1882.5	1900
20 + 5	PCC	Channel	18700	18875	19050
		Frequency	1860	1877.5	1895
	SCC	Channel	18817	18992	19167
		Frequency	1871.7	1889.2	1906.7
10 + 20	PCC	Channel	18655	18806	18956
		Frequency	1855.5	1870.6	1885.6
	SCC	Channel	18799	18950	19100
		Frequency	1869.9	1885	1900
20 + 10	PCC	Channel	18700	18851	19001
		Frequency	1860	1875.1	1890.1
	SCC	Channel	18844	18995	19145
		Frequency	1874.4	1889.5	1904.5
10 + 15	PCC	Channel	18653	18829	19005
		Frequency	1855.3	1872.9	1890.5
	SCC	Channel	18773	18949	19125
		Frequency	1867.3	1884.9	1902.5
15 + 10	PCC	Channel	18675	18851	19027
		Frequency	1857.5	1875.1	1892.7
	SCC	Channel	18795	18971	19147
		Frequency	1869.5	1887.1	1904.7
15 + 15	PCC	Channel	18675	18825	18975
		Frequency	1857.5	1872.5	1887.5
	SCC	Channel	18825	18975	19125
		Frequency	1872.5	1887.5	1902.5
15 + 20	PCC	Channel	18678	18803	18929
		Frequency	1857.8	1870.3	1882.9
	SCC	Channel	18849	18974	19100
		Frequency	1874.9	1887.4	1900
20 + 15	PCC	Channel	18700	18826	18951
		Frequency	1860	1872.6	1885.1
	SCC	Channel	18871	18997	19122
		Frequency	1877.1	1889.7	1902.2
20 + 20	PCC	Channel	18700	18801	18902



	SCC	Frequency	1860	1870.1	1880.2
		Channel	18898	18999	19100
		Frequency	1879.8	1889.9	1900

LTE Band 66B_CA Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
5 + 5	PCC	Channel	131997	132398	132599
		Frequency	1712.5	1752.6	1772.7
	SCC	Channel	132045	132446	132647
		Frequency	1717.3	1757.4	1777.5
5 + 10	PCC	Channel	132000	132375	132550
		Frequency	1712.8	1750.3	1767.8
	SCC	Channel	132072	132447	132622
		Frequency	1720	1757.5	1775
10 + 5	PCC	Channel	132022	132397	132572
		Frequency	1715	1752.5	1770
	SCC	Channel	132094	132469	132644
		Frequency	1722.2	1759.7	1777.2
5 + 15	PCC	Channel	132002	132353	132504
		Frequency	1713	1748.1	1763.2
	SCC	Channel	132095	132446	132597
		Frequency	1722.3	1757.4	1772.5
15 + 5	PCC	Channel	132047	132398	132549
		Frequency	1717.5	1752.6	1767.7
	SCC	Channel	132140	132491	132642
		Frequency	1726.8	1761.9	1777
10 + 10	PCC	Channel	132022	132373	132523
		Frequency	1715	1750.1	1765.1
	SCC	Channel	132121	132472	132622
		Frequency	1724.9	1760	1775

LTE Band 66C_CA Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
10 + 15	PCC	Channel	132025	132351	132477
		Frequency	1715.3	1747.9	1760.5
	SCC	Channel	132145	132471	132597
		Frequency	1727.3	1759.9	1772.5
15 + 10	PCC	Channel	132047	132373	132499



	SCC	Frequency	1717.5	1750.1	1762.7
		Channel	132167	132493	132619
10 + 20	PCC	Frequency	1729.5	1762.1	1774.7
		Channel	132027	132328	132428
	SCC	Frequency	1715.5	1745.6	1755.6
		Channel	132171	132472	132572
20 + 10	PCC	Frequency	1729.9	1760	1770
		Channel	132072	132373	132473
	SCC	Frequency	1720	1750.1	1760.1
		Channel	132216	132517	132617
15 + 15	PCC	Frequency	1734.4	1764.5	1774.5
		Channel	132047	132347	132447
	SCC	Frequency	1717.5	1747.5	1757.5
		Channel	132197	132497	132597
15 + 20	PCC	Frequency	1732.5	1762.5	1772.5
		Channel	132050	132325	132401
	SCC	Frequency	1717.8	1745.3	1752.9
		Channel	132221	132496	132572
20 + 15	PCC	Frequency	1734.9	1762.4	1770
		Channel	132072	132348	132423
	SCC	Frequency	1720	1747.6	1755.1
		Channel	132243	132519	132594
20 + 5	PCC	Frequency	1737.1	1764.7	1772.2
		Channel	132072	132397	132522
	SCC	Frequency	1720	1752.5	1765
		Channel	132189	132514	132639
5 + 20	PCC	Frequency	1731.7	1764.2	1776.7
		Channel	132005	132330	132455
	SCC	Frequency	1713.3	1745.8	1758.3
		Channel	132122	132447	132572
20 + 20	PCC	Frequency	1725	1757.5	1770
		Channel	132072	132323	132374
	SCC	Frequency	1720	1745.1	1750.2
		Channel	132270	132521	132572
		Frequency	1739.8	1764.9	1770

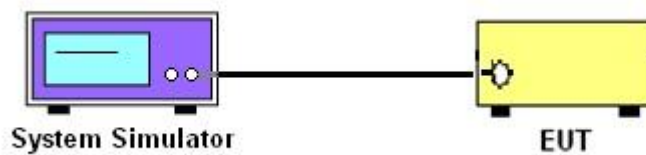
3 Conducted Test Items

3.1 Measuring Instruments

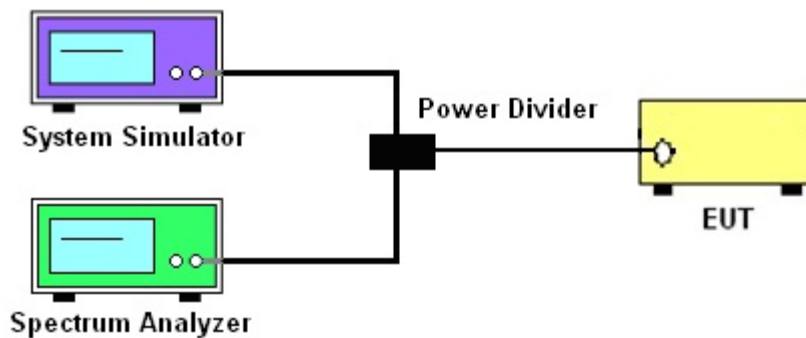
See list of measuring instruments of this test report.

3.2 Test Setup

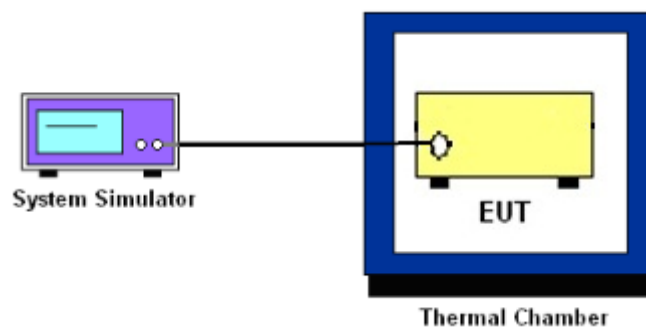
3.2.1 Conducted Output Power



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 EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 2 and Band 25

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 $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ 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 $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ 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 (h)

For operations in the 1710 – 1755 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ 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.

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 $\geq 1\%$ 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 or a narrower RBW was used and the measured power was integrated over the full required measurement bandwidth of 1 MHz.
6. Set spectrum analyzer with RMS detector.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
8. Checked that all the results comply with the emission limit line.

Example:

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)

$$= P(W) - [43 + 10\log(P)] \text{ (dB)}$$

$$= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)} = -13\text{dBm}.$$

9. When using the integration method, the starting frequency of the integration shall be centered at one-half of the RBW away from the band edge.

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.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th 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. Taking the record of maximum spurious emission.
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
10. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10\log(P)]$ (dB)
 $= [30 + 10\log(P)]$ (dBm) - $[43 + 10\log(P)]$ (dB)
 $= -13$ dBm.

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 $\pm 0.00025\%$ ($\pm 2.5\text{ppm}$) 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 $20\pm 5^{\circ}\text{C}$ 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.

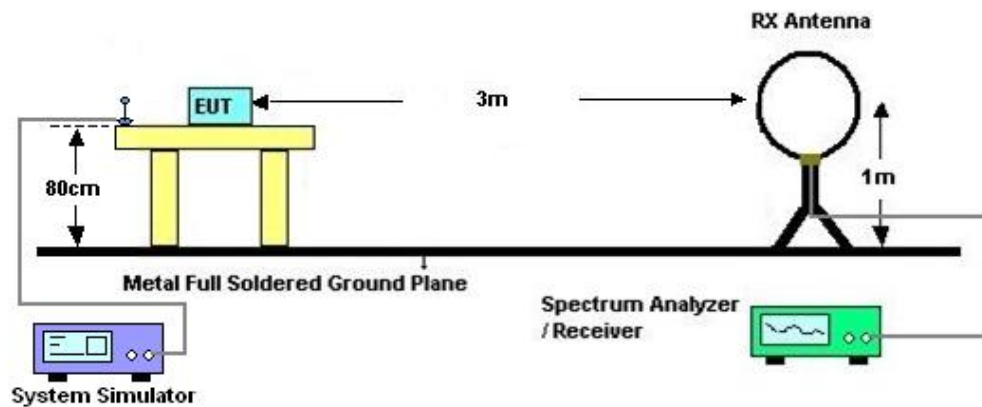
4 Radiated Test Items

4.1 Measuring Instruments

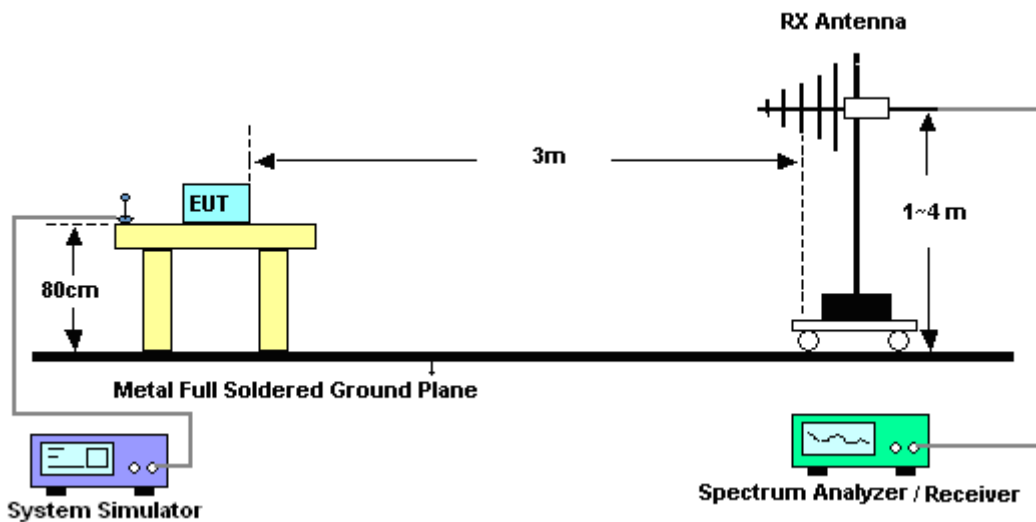
See list of measuring instruments of this test report.

4.2 Test Setup

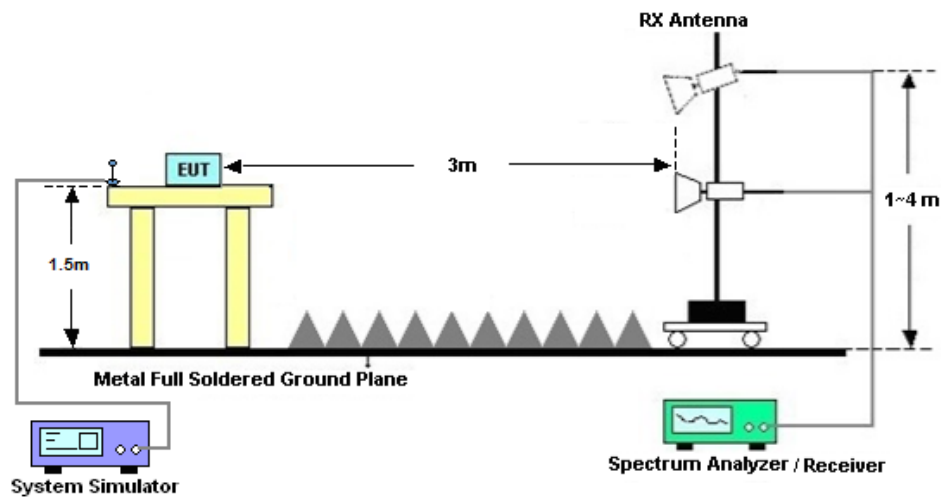
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

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.

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. $EIRP \text{ (dBm)} = S.G. \text{ Power} - Tx \text{ Cable Loss} + Tx \text{ Antenna Gain}$
11. $ERP \text{ (dBm)} = EIRP - 2.15$
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)

$= P(W) - [43 + 10\log(P)] \text{ (dB)}$

$= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$

$= -13\text{dBm}.$



5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 06, 2023	Nov. 07, 2023~ Dec. 14, 2023	Apr. 05, 2024	Conducted (TH01-SZ)
DC Power Supply	TTI	PL330P	290070	Max 32V , 3A	Oct. 16, 2023	Nov. 07, 2023~ Dec. 14, 2023	Oct. 15, 2024	Conducted (TH01-SZ)
Power Divider	TOJOIN	PS-2SM-04 265	60.06.020.007 7	0.4GHz~26.5GHz	Dec. 25, 2022	Nov. 07, 2023~ Dec. 14, 2023	Dec. 24, 2023	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 05, 2023	Nov. 07, 2023~ Dec. 14, 2023	Jul. 04, 2024	Conducted (TH01-SZ)
EMI Test Receiver&SA	KEYSIGHT	N9038A	MY54450083	20Hz~8.4GHz	Apr. 04, 2023	Nov. 02, 2023~ Nov. 05, 2023	Apr. 03, 2024	Radiation (03CH03-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150246	10Hz~44GHz;	Apr. 04, 2023	Nov. 02, 2023~ Nov. 05, 2023	Apr. 03, 2024	Radiation (03CH03-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jun. 28, 2022	Nov. 02, 2023~ Nov. 05, 2023	Jun. 27, 2024	Radiation (03CH03-SZ)
Bilog Antenna	TeseQ	CBL6112D	35408	30MHz~2GHz	Aug. 20, 2023	Nov. 02, 2023~ Nov. 05, 2023	Aug. 19, 2025	Radiation (03CH03-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1355	1GHz~18GHz	Apr. 08, 2023	Nov. 02, 2023~ Nov. 05, 2023	Apr. 07, 2024	Radiation (03CH03-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz~40GHz	Apr. 08, 2023	Nov. 02, 2023~ Nov. 05, 2023	Apr. 07, 2024	Radiation (03CH03-SZ)
Amplifier	Burgeon	BPA-530	102211	0.01Hz ~3000MHz	Oct. 18, 2023	Nov. 02, 2023~ Nov. 05, 2023	Oct. 17, 2024	Radiation (03CH03-SZ)
Amplifier	Agilent Technologies	83017A	MY39501302	500MHz~26.5GHz	Dec. 26, 2022	Nov. 02, 2023~ Nov. 05, 2023	Dec. 25, 2023	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	TTA1840-35 -HG	1871923	18GHz~40GHz	Jul. 07, 2023	Nov. 02, 2023~ Nov. 05, 2023	Jul. 06, 2024	Radiation (03CH03-SZ)
AC Power Source	Chroma	61601	616010002729	N/A	Oct. 18, 2023	Nov. 02, 2023~ Nov. 05, 2023	Oct. 17, 2024	Radiation (03CH03-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Nov. 02, 2023~ Nov. 05, 2023	NCR	Radiation (03CH03-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Nov. 02, 2023~ Nov. 05, 2023	NCR	Radiation (03CH03-SZ)

NCR: No Calibration Required

6 Measurement Uncertainty

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 Conducted Measurement

Test Item	Uncertainty
Conducted Spurious Emission & Bandedge	± 1.34 dB
Occupied Channel Bandwidth	± 0.012 MHz
Conducted Power	± 1.34 dB
Peak to Average Ratio	± 1.34 dB
Frequency Stability	± 1.3 Hz

Uncertainty of Radiated Emission Measurement (9 KHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.0
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.6
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.8
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----- THE END -----



Appendix A. Test Results of Conducted Test

Test Engineer :	Fly Liang	Temperature :	22~23°C
		Relative Humidity :	40~42%

Conducted Output Power(Average power)

LTE Band 2_Ant.1:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	23.41	23.48	23.46
20	QPSK	1	49	23.49	23.50	23.49
20	QPSK	1	99	23.33	23.39	23.38
20	QPSK	50	0	22.49	22.55	22.50
20	QPSK	50	24	22.53	22.66	22.52
20	QPSK	50	50	22.47	22.58	22.48
20	QPSK	100	0	22.49	22.59	22.47
20	16QAM	1	0	22.83	22.83	22.86
20	16QAM	1	49	22.72	22.89	22.79
20	16QAM	1	99	22.66	22.63	22.61
20	16QAM	50	0	21.47	21.58	21.53
20	16QAM	50	24	21.57	21.66	21.55
20	16QAM	50	50	21.47	21.58	21.54
20	16QAM	100	0	21.52	21.64	21.49
20	64QAM	1	0	21.75	21.70	21.76
20	64QAM	1	49	21.71	21.78	21.62
20	64QAM	1	99	21.58	21.65	21.62
20	64QAM	50	0	20.51	20.58	20.54
20	64QAM	50	24	20.55	20.66	20.55
20	64QAM	50	50	20.48	20.57	20.55
20	64QAM	100	0	20.53	20.60	20.50
20	256QAM	1	0	18.50	18.53	18.48
20	256QAM	1	49	18.74	18.76	18.71
20	256QAM	1	99	18.56	18.57	18.53
20	256QAM	50	0	18.53	18.54	18.52
20	256QAM	50	24	18.50	18.52	18.49
20	256QAM	50	50	18.52	18.53	18.48
20	256QAM	100	0	18.43	18.48	18.47
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	23.40	23.39	23.43
15	QPSK	1	37	23.35	23.44	23.41
15	QPSK	1	74	23.25	23.36	23.40
15	QPSK	36	0	22.45	22.50	22.50
15	QPSK	36	20	22.49	22.46	22.59



15	QPSK	36	39	22.46	22.50	22.54
15	QPSK	75	0	22.47	22.45	22.56
15	16QAM	1	0	22.74	22.80	22.74
15	16QAM	1	37	22.77	22.79	22.75
15	16QAM	1	74	22.51	22.69	22.72
15	16QAM	36	0	21.46	21.51	21.52
15	16QAM	36	20	21.49	21.48	21.62
15	16QAM	36	39	21.45	21.52	21.55
15	16QAM	75	0	21.50	21.46	21.58
15	64QAM	1	0	21.60	21.56	21.67
15	64QAM	1	37	21.58	21.75	21.66
15	64QAM	1	74	21.43	21.62	21.66
15	64QAM	36	0	20.45	20.51	20.52
15	64QAM	36	20	20.50	20.54	20.62
15	64QAM	36	39	20.43	20.55	20.58
15	64QAM	75	0	20.51	20.50	20.58
15	256QAM	1	0	18.48	18.49	18.46
15	256QAM	1	37	18.69	18.71	18.69
15	256QAM	1	74	18.54	18.54	18.49
15	256QAM	36	0	18.50	18.50	18.49
15	256QAM	36	20	18.45	18.50	18.47
15	256QAM	36	39	18.51	18.49	18.44
15	256QAM	75	0	18.42	18.46	18.46
Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	23.37	23.44	23.42
10	QPSK	1	25	23.41	23.41	23.40
10	QPSK	1	49	23.27	23.40	23.40
10	QPSK	25	0	22.40	22.48	22.48
10	QPSK	25	12	22.50	22.49	22.59
10	QPSK	25	25	22.47	22.57	22.58
10	QPSK	50	0	22.45	22.49	22.58
10	16QAM	1	0	22.71	22.73	22.78
10	16QAM	1	25	22.69	22.88	22.83
10	16QAM	1	49	22.65	22.63	22.79
10	16QAM	25	0	21.45	21.52	21.55
10	16QAM	25	12	21.53	21.53	21.65
10	16QAM	25	25	21.52	21.59	21.61
10	16QAM	50	0	21.48	21.48	21.58
10	64QAM	1	0	21.61	21.61	21.63
10	64QAM	1	25	21.56	21.75	21.74
10	64QAM	1	49	21.54	21.71	21.63
10	64QAM	25	0	20.47	20.50	20.53
10	64QAM	25	12	20.52	20.54	20.65
10	64QAM	25	25	20.46	20.55	20.61
10	64QAM	50	0	20.51	20.48	20.61
10	256QAM	1	0	18.45	18.48	18.46
10	256QAM	1	25	18.69	18.74	18.69
10	256QAM	1	49	18.53	18.54	18.50
10	256QAM	25	0	18.50	18.51	18.47



10	256QAM	25	12	18.48	18.49	18.46
10	256QAM	25	25	18.47	18.50	18.47
10	256QAM	50	0	18.42	18.47	18.46
Channel				18625	18900	19175
Frequency (MHz)				1852.5	1880	1907.5
5	QPSK	1	0	23.40	23.38	23.31
5	QPSK	1	12	23.39	23.45	23.40
5	QPSK	1	24	23.36	23.46	23.33
5	QPSK	12	0	22.48	22.50	22.54
5	QPSK	12	7	22.49	22.57	22.60
5	QPSK	12	13	22.42	22.54	22.55
5	QPSK	25	0	22.45	22.46	22.51
5	16QAM	1	0	22.71	22.76	22.90
5	16QAM	1	12	22.61	22.72	22.85
5	16QAM	1	24	22.69	22.75	22.89
5	16QAM	12	0	21.54	21.52	21.59
5	16QAM	12	7	21.49	21.61	21.64
5	16QAM	12	13	21.46	21.57	21.63
5	16QAM	25	0	21.47	21.50	21.52
5	64QAM	1	0	21.58	21.77	21.74
5	64QAM	1	12	21.57	21.64	21.78
5	64QAM	1	24	21.50	21.64	21.70
5	64QAM	12	0	20.52	20.53	20.56
5	64QAM	12	7	20.52	20.58	20.60
5	64QAM	12	13	20.42	20.56	20.63
5	64QAM	25	0	20.49	20.50	20.54
5	256QAM	1	0	18.45	18.52	18.46
5	256QAM	1	12	18.73	18.73	18.69
5	256QAM	1	24	18.52	18.56	18.52
5	256QAM	12	0	18.50	18.49	18.47
5	256QAM	12	7	18.49	18.48	18.48
5	256QAM	12	13	18.49	18.48	18.46
5	256QAM	25	0	18.42	18.43	18.45
Channel				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	23.37	23.40	23.48
3	QPSK	1	8	23.37	23.45	23.46
3	QPSK	1	14	23.35	23.40	23.47
3	QPSK	8	0	22.45	22.46	22.48
3	QPSK	8	4	22.45	22.55	22.51
3	QPSK	8	7	22.44	22.50	22.56
3	QPSK	15	0	22.42	22.42	22.45
3	16QAM	1	0	22.60	22.69	22.74
3	16QAM	1	8	22.69	22.82	22.86
3	16QAM	1	14	22.62	22.58	22.72
3	16QAM	8	0	21.50	21.49	21.57
3	16QAM	8	4	21.56	21.64	21.53
3	16QAM	8	7	21.51	21.59	21.62
3	16QAM	15	0	21.46	21.45	21.49
3	64QAM	1	0	21.61	21.56	21.67



3	64QAM	1	8	21.53	21.74	21.79
3	64QAM	1	14	21.45	21.57	21.63
3	64QAM	8	0	20.50	20.50	20.57
3	64QAM	8	4	20.51	20.64	20.57
3	64QAM	8	7	20.45	20.55	20.61
3	64QAM	15	0	20.46	20.43	20.52
3	256QAM	1	0	18.48	18.52	18.43
3	256QAM	1	8	18.70	18.72	18.66
3	256QAM	1	14	18.51	18.52	18.48
3	256QAM	8	0	18.49	18.49	18.49
3	256QAM	8	4	18.49	18.51	18.48
3	256QAM	8	7	18.47	18.49	18.44
3	256QAM	15	0	18.41	18.47	18.44
Channel				18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	23.37	23.43	23.35
1.4	QPSK	1	3	23.35	23.39	23.41
1.4	QPSK	1	5	23.37	23.43	23.48
1.4	QPSK	3	0	23.39	23.41	23.42
1.4	QPSK	3	1	23.34	23.45	23.40
1.4	QPSK	3	3	23.37	23.44	23.45
1.4	QPSK	6	0	22.42	22.53	22.51
1.4	16QAM	1	0	22.71	22.81	22.86
1.4	16QAM	1	3	22.72	22.81	22.83
1.4	16QAM	1	5	22.78	22.78	22.86
1.4	16QAM	3	0	22.54	22.61	22.69
1.4	16QAM	3	1	22.58	22.60	22.70
1.4	16QAM	3	3	22.47	22.65	22.65
1.4	16QAM	6	0	21.46	21.60	21.61
1.4	64QAM	1	0	21.64	21.68	21.85
1.4	64QAM	1	3	21.67	21.80	21.82
1.4	64QAM	1	5	21.65	21.73	21.76
1.4	64QAM	3	0	21.51	21.63	21.65
1.4	64QAM	3	1	21.51	21.62	21.65
1.4	64QAM	3	3	21.49	21.63	21.68
1.4	64QAM	6	0	20.54	20.59	20.61
1.4	256QAM	1	0	18.49	18.50	18.44
1.4	256QAM	1	3	18.71	18.75	18.67
1.4	256QAM	1	5	18.53	18.52	18.50
1.4	256QAM	3	0	18.52	18.51	18.49
1.4	256QAM	3	1	18.46	18.51	18.44
1.4	256QAM	3	3	18.48	18.49	18.46
1.4	256QAM	6	0	18.40	18.45	18.43



LTE Band 4_Ant.2:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				20050	20175	20300
Frequency (MHz)				1720	1732.5	1745
20	QPSK	1	0	23.59	23.64	23.56
20	QPSK	1	49	23.64	23.65	23.62
20	QPSK	1	99	23.50	23.53	23.37
20	QPSK	50	0	22.67	22.67	22.63
20	QPSK	50	24	22.69	22.73	22.66
20	QPSK	50	50	22.65	22.66	22.57
20	QPSK	100	0	22.60	22.71	22.60
20	16QAM	1	0	22.94	22.98	22.92
20	16QAM	1	49	23.01	22.97	22.86
20	16QAM	1	99	22.78	22.80	22.67
20	16QAM	50	0	21.70	21.71	21.63
20	16QAM	50	24	21.66	21.75	21.66
20	16QAM	50	50	21.66	21.69	21.57
20	16QAM	100	0	21.61	21.73	21.64
20	64QAM	1	0	21.87	21.87	21.84
20	64QAM	1	49	21.98	21.89	21.80
20	64QAM	1	99	21.65	21.73	21.49
20	64QAM	50	0	20.66	20.69	20.66
20	64QAM	50	24	20.66	20.74	20.67
20	64QAM	50	50	20.63	20.69	20.55
20	64QAM	100	0	20.63	20.72	20.63
20	256QAM	1	0	18.62	18.67	18.63
20	256QAM	1	49	18.78	18.83	18.81
20	256QAM	1	99	18.74	18.77	18.76
20	256QAM	50	0	18.66	18.67	18.64
20	256QAM	50	24	18.73	18.74	18.73
20	256QAM	50	50	18.64	18.68	18.65
20	256QAM	100	0	18.62	18.64	18.62
Channel				20025	20175	20325
Frequency (MHz)				1717.5	1732.5	1747.5
15	QPSK	1	0	23.59	23.61	23.57
15	QPSK	1	37	23.54	23.60	23.53
15	QPSK	1	74	23.46	23.45	23.34
15	QPSK	36	0	22.58	22.61	22.52
15	QPSK	36	20	22.67	22.57	22.58
15	QPSK	36	39	22.62	22.59	22.48
15	QPSK	75	0	22.62	22.53	22.54
15	16QAM	1	0	22.83	22.94	22.99
15	16QAM	1	37	22.81	22.88	22.88
15	16QAM	1	74	22.72	22.67	22.60
15	16QAM	36	0	21.64	21.61	21.56
15	16QAM	36	20	21.68	21.58	21.58
15	16QAM	36	39	21.65	21.63	21.49
15	16QAM	75	0	21.67	21.56	21.57



15	64QAM	1	0	21.77	21.85	21.90
15	64QAM	1	37	21.79	21.86	21.78
15	64QAM	1	74	21.73	21.72	21.62
15	64QAM	36	0	20.61	20.59	20.53
15	64QAM	36	20	20.69	20.59	20.58
15	64QAM	36	39	20.64	20.60	20.49
15	64QAM	75	0	20.66	20.56	20.55
15	256QAM	1	0	18.55	18.60	18.54
15	256QAM	1	37	18.67	18.73	18.74
15	256QAM	1	74	18.66	18.69	18.65
15	256QAM	36	0	18.58	18.59	18.54
15	256QAM	36	20	18.64	18.65	18.65
15	256QAM	36	39	18.54	18.59	18.56
15	256QAM	75	0	18.52	18.57	18.53
Channel				20000	20175	20350
Frequency (MHz)				1715	1732.5	1750
10	QPSK	1	0	23.59	23.59	23.53
10	QPSK	1	25	23.61	23.63	23.51
10	QPSK	1	49	23.50	23.49	23.39
10	QPSK	25	0	22.67	22.61	22.52
10	QPSK	25	12	22.67	22.61	22.60
10	QPSK	25	25	22.65	22.62	22.51
10	QPSK	50	0	22.65	22.56	22.55
10	16QAM	1	0	22.93	22.85	22.79
10	16QAM	1	25	22.92	22.96	22.82
10	16QAM	1	49	22.82	22.78	22.62
10	16QAM	25	0	21.73	21.64	21.53
10	16QAM	25	12	21.73	21.62	21.63
10	16QAM	25	25	21.67	21.67	21.59
10	16QAM	50	0	21.68	21.61	21.58
10	64QAM	1	0	21.76	21.85	21.74
10	64QAM	1	25	21.83	21.83	21.81
10	64QAM	1	49	21.62	21.79	21.57
10	64QAM	25	0	20.73	20.65	20.53
10	64QAM	25	12	20.73	20.64	20.58
10	64QAM	25	25	20.64	20.64	20.53
10	64QAM	50	0	20.69	20.57	20.59
10	256QAM	1	0	18.55	18.58	18.53
10	256QAM	1	25	18.69	18.73	18.74
10	256QAM	1	49	18.63	18.67	18.66
10	256QAM	25	0	18.59	18.58	18.55
10	256QAM	25	12	18.65	18.67	18.65
10	256QAM	25	25	18.53	18.59	18.54
10	256QAM	50	0	18.54	18.53	18.53
Channel				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	23.61	23.63	23.50
5	QPSK	1	12	23.49	23.61	23.53
5	QPSK	1	24	23.62	23.56	23.43
5	QPSK	12	0	22.68	22.63	22.50



5	QPSK	12	7	22.74	22.63	22.59
5	QPSK	12	13	22.67	22.66	22.51
5	QPSK	25	0	22.67	22.56	22.52
5	16QAM	1	0	22.93	22.79	22.72
5	16QAM	1	12	22.96	22.97	22.82
5	16QAM	1	24	22.91	22.83	22.75
5	16QAM	12	0	21.73	21.68	21.49
5	16QAM	12	7	21.77	21.66	21.64
5	16QAM	12	13	21.71	21.66	21.56
5	16QAM	25	0	21.69	21.60	21.56
5	64QAM	1	0	21.70	21.78	21.65
5	64QAM	1	12	21.79	21.84	21.71
5	64QAM	1	24	21.68	21.81	21.61
5	64QAM	12	0	20.75	20.64	20.53
5	64QAM	12	7	20.75	20.65	20.65
5	64QAM	12	13	20.73	20.67	20.53
5	64QAM	25	0	20.70	20.59	20.56
5	256QAM	1	0	18.55	18.56	18.54
5	256QAM	1	12	18.68	18.73	18.70
5	256QAM	1	24	18.67	18.67	18.65
5	256QAM	12	0	18.55	18.60	18.56
5	256QAM	12	7	18.63	18.64	18.66
5	256QAM	12	13	18.54	18.61	18.54
5	256QAM	25	0	18.53	18.54	18.52
Channel				19965	20175	20385
Frequency (MHz)				1711.5	1732.5	1753.5
3	QPSK	1	0	23.56	23.52	23.39
3	QPSK	1	8	23.60	23.61	23.53
3	QPSK	1	14	23.53	23.46	23.37
3	QPSK	8	0	22.63	22.54	22.46
3	QPSK	8	4	22.68	22.64	22.54
3	QPSK	8	7	22.66	22.62	22.50
3	QPSK	15	0	22.59	22.56	22.41
3	16QAM	1	0	22.75	22.75	22.59
3	16QAM	1	8	22.88	22.90	22.70
3	16QAM	1	14	22.79	22.80	22.69
3	16QAM	8	0	21.78	21.65	21.54
3	16QAM	8	4	21.79	21.75	21.62
3	16QAM	8	7	21.75	21.71	21.61
3	16QAM	15	0	21.70	21.64	21.47
3	64QAM	1	0	21.74	21.81	21.59
3	64QAM	1	8	21.92	21.84	21.71
3	64QAM	1	14	21.73	21.76	21.61
3	64QAM	8	0	20.73	20.66	20.54
3	64QAM	8	4	20.78	20.80	20.64
3	64QAM	8	7	20.73	20.73	20.58
3	64QAM	15	0	20.71	20.62	20.51
3	256QAM	1	0	18.52	18.56	18.55
3	256QAM	1	8	18.69	18.74	18.74
3	256QAM	1	14	18.67	18.69	18.67



3	256QAM	8	0	18.57	18.59	18.55
3	256QAM	8	4	18.64	18.65	18.65
3	256QAM	8	7	18.55	18.61	18.58
3	256QAM	15	0	18.52	18.56	18.54
Channel				19957	20175	20393
Frequency (MHz)				1710.7	1732.5	1754.3
1.4	QPSK	1	0	23.58	23.57	23.50
1.4	QPSK	1	3	23.55	23.58	23.40
1.4	QPSK	1	5	23.56	23.58	23.45
1.4	QPSK	3	0	23.57	23.64	23.48
1.4	QPSK	3	1	23.54	23.59	23.45
1.4	QPSK	3	3	23.55	23.57	23.46
1.4	QPSK	6	0	22.60	22.62	22.49
1.4	16QAM	1	0	22.88	22.93	22.84
1.4	16QAM	1	3	22.86	22.86	22.85
1.4	16QAM	1	5	22.90	22.94	22.78
1.4	16QAM	3	0	22.74	22.76	22.60
1.4	16QAM	3	1	22.73	22.72	22.58
1.4	16QAM	3	3	22.73	22.74	22.62
1.4	16QAM	6	0	21.70	21.69	21.61
1.4	64QAM	1	0	21.89	21.81	21.77
1.4	64QAM	1	3	21.85	21.84	21.75
1.4	64QAM	1	5	21.85	21.80	21.75
1.4	64QAM	3	0	21.76	21.78	21.66
1.4	64QAM	3	1	21.73	21.77	21.67
1.4	64QAM	3	3	21.77	21.75	21.67
1.4	64QAM	6	0	20.66	20.77	20.59
1.4	256QAM	1	0	18.52	18.56	18.54
1.4	256QAM	1	3	18.67	18.75	18.71
1.4	256QAM	1	5	18.64	18.69	18.65
1.4	256QAM	3	0	18.55	18.59	18.57
1.4	256QAM	3	1	18.65	18.63	18.65
1.4	256QAM	3	3	18.57	18.59	18.54
1.4	256QAM	6	0	18.51	18.53	18.54



LTE Band 5_Ant.0:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				20450	20525	20600
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	24.21	24.30	24.21
10	QPSK	1	25	24.22	24.31	24.22
10	QPSK	1	49	24.20	24.12	24.17
10	QPSK	25	0	23.21	23.28	23.22
10	QPSK	25	12	23.28	23.32	23.29
10	QPSK	25	25	23.27	23.28	23.24
10	QPSK	50	0	23.21	23.25	23.19
10	16QAM	1	0	23.41	23.39	23.47
10	16QAM	1	25	23.40	23.55	23.57
10	16QAM	1	49	23.50	23.46	23.52
10	16QAM	25	0	22.30	22.31	22.28
10	16QAM	25	12	22.32	22.33	22.26
10	16QAM	25	25	22.32	22.32	22.30
10	16QAM	50	0	22.29	22.27	22.23
10	64QAM	1	0	22.35	22.36	22.37
10	64QAM	1	25	22.37	22.55	22.39
10	64QAM	1	49	22.36	22.46	22.46
10	64QAM	25	0	21.24	21.30	21.26
10	64QAM	25	12	21.36	21.31	21.28
10	64QAM	25	25	21.30	21.33	21.33
10	64QAM	50	0	21.28	21.26	21.24
10	256QAM	1	0	19.60	19.65	19.64
10	256QAM	1	25	19.81	19.84	19.80
10	256QAM	1	49	19.79	19.83	19.82
10	256QAM	25	0	19.69	19.71	19.66
10	256QAM	25	12	19.65	19.70	19.66
10	256QAM	25	25	19.75	19.78	19.75
10	256QAM	50	0	19.68	19.71	19.70
Channel				20425	20525	20625
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	24.19	24.28	24.15
5	QPSK	1	12	24.17	24.21	24.18
5	QPSK	1	24	24.16	24.21	24.22
5	QPSK	12	0	23.16	23.29	23.22
5	QPSK	12	7	23.29	23.30	23.34
5	QPSK	12	13	23.28	23.34	23.33
5	QPSK	25	0	23.29	23.28	23.20
5	16QAM	1	0	23.41	23.61	23.48
5	16QAM	1	12	23.46	23.54	23.49
5	16QAM	1	24	23.38	23.49	23.41



5	16QAM	12	0	22.23	22.39	22.31
5	16QAM	12	7	22.34	22.37	22.37
5	16QAM	12	13	22.31	22.38	22.34
5	16QAM	25	0	22.26	22.30	22.23
5	64QAM	1	0	22.36	22.38	22.31
5	64QAM	1	12	22.38	22.49	22.41
5	64QAM	1	24	22.44	22.33	22.36
5	64QAM	12	0	21.26	21.35	21.25
5	64QAM	12	7	21.29	21.33	21.36
5	64QAM	12	13	21.27	21.36	21.34
5	64QAM	25	0	21.28	21.27	21.25
5	256QAM	1	0	19.59	19.64	19.59
5	256QAM	1	12	19.77	19.79	19.78
5	256QAM	1	24	19.78	19.80	19.79
5	256QAM	12	0	19.68	19.66	19.64
5	256QAM	12	7	19.62	19.66	19.61
5	256QAM	12	13	19.74	19.77	19.72
5	256QAM	25	0	19.66	19.70	19.66
Channel				20415	20525	20635
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	24.13	24.20	24.22
3	QPSK	1	8	24.18	24.25	24.24
3	QPSK	1	14	24.14	24.21	24.18
3	QPSK	8	0	23.24	23.28	23.24
3	QPSK	8	4	23.24	23.36	23.32
3	QPSK	8	7	23.23	23.30	23.32
3	QPSK	15	0	23.21	23.24	23.29
3	16QAM	1	0	23.39	23.47	23.42
3	16QAM	1	8	23.39	23.53	23.53
3	16QAM	1	14	23.37	23.44	23.44
3	16QAM	8	0	22.32	22.31	22.30
3	16QAM	8	4	22.31	22.38	22.42
3	16QAM	8	7	22.26	22.40	22.40
3	16QAM	15	0	22.25	22.29	22.34
3	64QAM	1	0	22.35	22.42	22.40
3	64QAM	1	8	22.41	22.48	22.46
3	64QAM	1	14	22.34	22.38	22.40
3	64QAM	8	0	21.26	21.34	21.25
3	64QAM	8	4	21.32	21.41	21.40
3	64QAM	8	7	21.27	21.38	21.37
3	64QAM	15	0	21.24	21.29	21.35
3	256QAM	1	0	19.58	19.60	19.59
3	256QAM	1	8	19.77	19.81	19.79
3	256QAM	1	14	19.78	19.82	19.78
3	256QAM	8	0	19.65	19.69	19.64



3	256QAM	8	4	19.63	19.69	19.62
3	256QAM	8	7	19.72	19.75	19.71
3	256QAM	15	0	19.64	19.70	19.65
Channel				20407	20525	20643
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	24.16	24.20	24.19
1.4	QPSK	1	3	24.14	24.25	24.15
1.4	QPSK	1	5	24.14	24.22	24.23
1.4	QPSK	3	0	24.10	24.16	24.19
1.4	QPSK	3	1	24.11	24.19	24.20
1.4	QPSK	3	3	24.11	24.20	24.18
1.4	QPSK	6	0	23.16	23.20	23.26
1.4	16QAM	1	0	23.49	23.56	23.59
1.4	16QAM	1	3	23.59	23.56	23.60
1.4	16QAM	1	5	23.52	23.53	23.55
1.4	16QAM	3	0	23.31	23.38	23.36
1.4	16QAM	3	1	23.29	23.39	23.34
1.4	16QAM	3	3	23.26	23.35	23.33
1.4	16QAM	6	0	22.27	22.32	22.32
1.4	64QAM	1	0	22.48	22.56	22.45
1.4	64QAM	1	3	22.43	22.54	22.52
1.4	64QAM	1	5	22.45	22.50	22.46
1.4	64QAM	3	0	22.30	22.39	22.37
1.4	64QAM	3	1	22.28	22.35	22.32
1.4	64QAM	3	3	22.27	22.37	22.37
1.4	64QAM	6	0	21.24	21.26	21.30
1.4	256QAM	1	0	19.59	19.62	19.60
1.4	256QAM	1	3	19.80	19.79	19.75
1.4	256QAM	1	5	19.74	19.78	19.79
1.4	256QAM	3	0	19.67	19.67	19.62
1.4	256QAM	3	1	19.61	19.67	19.64
1.4	256QAM	3	3	19.72	19.73	19.71
1.4	256QAM	6	0	19.66	19.69	19.69



LTE Band 25_Ant.1:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				26140	26340	26590
Frequency (MHz)				1860	1880	1905
20	QPSK	1	0	23.68	23.73	23.76
20	QPSK	1	49	23.75	23.81	23.79
20	QPSK	1	99	23.63	23.66	23.65
20	QPSK	50	0	22.73	22.78	22.80
20	QPSK	50	24	22.79	22.83	22.82
20	QPSK	50	50	22.74	22.79	22.76
20	QPSK	100	0	22.74	22.80	22.76
20	16QAM	1	0	23.05	22.98	22.99
20	16QAM	1	49	23.03	23.10	23.08
20	16QAM	1	99	22.97	23.02	22.95
20	16QAM	50	0	21.76	21.81	21.80
20	16QAM	50	24	21.84	21.88	21.79
20	16QAM	50	50	21.76	21.82	21.82
20	16QAM	100	0	21.75	21.83	21.77
20	64QAM	1	0	21.92	21.98	21.98
20	64QAM	1	49	21.92	22.03	21.96
20	64QAM	1	99	21.85	21.84	22.01
20	64QAM	50	0	20.77	20.81	20.80
20	64QAM	50	24	20.83	20.89	20.81
20	64QAM	50	50	20.77	20.81	20.82
20	64QAM	100	0	20.77	20.82	20.78
20	256QAM	1	0	18.58	18.63	18.61
20	256QAM	1	49	18.81	18.85	18.83
20	256QAM	1	99	18.71	18.73	18.71
20	256QAM	50	0	18.52	18.57	18.55
20	256QAM	50	24	18.70	18.75	18.71
20	256QAM	50	50	18.60	18.62	18.57
20	256QAM	100	0	18.66	18.67	18.66
Channel				26115	26340	26615
Frequency (MHz)				1857.5	1880	1907.5
15	QPSK	1	0	23.71	23.65	23.68
15	QPSK	1	37	23.64	23.68	23.74
15	QPSK	1	74	23.51	23.62	23.59
15	QPSK	36	0	22.64	22.73	22.74
15	QPSK	36	20	22.73	22.78	22.81
15	QPSK	36	39	22.67	22.73	22.76
15	QPSK	75	0	22.66	22.76	22.78
15	16QAM	1	0	23.00	22.98	23.07
15	16QAM	1	37	22.98	23.03	23.03
15	16QAM	1	74	22.77	22.92	22.87
15	16QAM	36	0	21.68	21.72	21.77
15	16QAM	36	20	21.73	21.80	21.81
15	16QAM	36	39	21.69	21.75	21.76
15	16QAM	75	0	21.70	21.77	21.80



15	64QAM	1	0	21.77	21.92	21.91
15	64QAM	1	37	21.92	21.94	21.96
15	64QAM	1	74	21.59	21.82	21.92
15	64QAM	36	0	20.69	20.76	20.77
15	64QAM	36	20	20.73	20.80	20.84
15	64QAM	36	39	20.67	20.73	20.76
15	64QAM	75	0	20.68	20.77	20.80
15	256QAM	1	0	18.51	18.55	18.51
15	256QAM	1	37	18.71	18.78	18.73
15	256QAM	1	74	18.62	18.64	18.62
15	256QAM	36	0	18.44	18.51	18.48
15	256QAM	36	20	18.64	18.69	18.65
15	256QAM	36	39	18.51	18.55	18.50
15	256QAM	75	0	18.56	18.58	18.59
Channel				26090	26340	26640
Frequency (MHz)				1855	1880	1910
10	QPSK	1	0	23.72	23.74	23.75
10	QPSK	1	25	23.73	23.79	23.71
10	QPSK	1	49	23.59	23.68	23.78
10	QPSK	25	0	22.68	22.76	22.83
10	QPSK	25	12	22.76	22.87	22.82
10	QPSK	25	25	22.72	22.82	22.86
10	QPSK	50	0	22.74	22.82	22.79
10	16QAM	1	0	22.99	23.01	23.11
10	16QAM	1	25	22.97	23.01	23.16
10	16QAM	1	49	22.87	23.03	23.05
10	16QAM	25	0	21.72	21.79	21.85
10	16QAM	25	12	21.83	21.86	21.86
10	16QAM	25	25	21.76	21.81	21.91
10	16QAM	50	0	21.74	21.84	21.84
10	64QAM	1	0	21.97	21.90	21.94
10	64QAM	1	25	22.07	22.10	22.09
10	64QAM	1	49	21.88	21.92	21.98
10	64QAM	25	0	20.72	20.80	20.89
10	64QAM	25	12	20.80	20.86	20.83
10	64QAM	25	25	20.76	20.84	20.88
10	64QAM	50	0	20.77	20.83	20.82
10	256QAM	1	0	18.49	18.57	18.51
10	256QAM	1	25	18.74	18.76	18.74
10	256QAM	1	49	18.64	18.63	18.65
10	256QAM	25	0	18.44	18.49	18.49
10	256QAM	25	12	18.63	18.69	18.62
10	256QAM	25	25	18.54	18.52	18.48
10	256QAM	50	0	18.58	18.59	18.57
Channel				26065	26340	26665
Frequency (MHz)				1852.5	1880	1912.5
5	QPSK	1	0	23.71	23.74	23.74
5	QPSK	1	12	23.63	23.75	23.74
5	QPSK	1	24	23.65	23.74	23.68
5	QPSK	12	0	22.69	22.84	22.82



5	QPSK	12	7	22.77	22.84	22.87
5	QPSK	12	13	22.71	22.82	22.85
5	QPSK	25	0	22.73	22.81	22.87
5	16QAM	1	0	22.94	23.11	23.01
5	16QAM	1	12	22.92	23.01	23.02
5	16QAM	1	24	22.97	23.01	23.05
5	16QAM	12	0	21.74	21.87	21.85
5	16QAM	12	7	21.80	21.86	21.95
5	16QAM	12	13	21.79	21.84	21.88
5	16QAM	25	0	21.74	21.84	21.90
5	64QAM	1	0	21.84	21.97	21.93
5	64QAM	1	12	21.90	21.96	21.95
5	64QAM	1	24	21.85	22.00	21.97
5	64QAM	12	0	20.71	20.87	20.86
5	64QAM	12	7	20.78	20.85	20.94
5	64QAM	12	13	20.75	20.83	20.89
5	64QAM	25	0	20.75	20.83	20.89
5	256QAM	1	0	18.49	18.56	18.55
5	256QAM	1	12	18.75	18.76	18.77
5	256QAM	1	24	18.63	18.66	18.64
5	256QAM	12	0	18.45	18.49	18.46
5	256QAM	12	7	18.62	18.66	18.63
5	256QAM	12	13	18.50	18.56	18.51
5	256QAM	25	0	18.58	18.61	18.59
Channel				26055	26340	26675
Frequency (MHz)				1851.5	1880	1913.5
3	QPSK	1	0	23.65	23.71	23.77
3	QPSK	1	8	23.70	23.76	23.77
3	QPSK	1	14	23.61	23.69	23.65
3	QPSK	8	0	22.71	22.80	22.81
3	QPSK	8	4	22.73	22.82	22.76
3	QPSK	8	7	22.68	22.81	22.82
3	QPSK	15	0	22.69	22.78	22.76
3	16QAM	1	0	22.90	22.97	23.01
3	16QAM	1	8	22.96	23.05	23.05
3	16QAM	1	14	22.84	22.98	22.97
3	16QAM	8	0	21.75	21.87	21.86
3	16QAM	8	4	21.79	21.87	21.81
3	16QAM	8	7	21.77	21.85	21.88
3	16QAM	15	0	21.71	21.81	21.78
3	64QAM	1	0	21.82	21.97	21.91
3	64QAM	1	8	21.94	22.01	21.94
3	64QAM	1	14	21.79	21.98	21.90
3	64QAM	8	0	20.76	20.85	20.84
3	64QAM	8	4	20.76	20.82	20.84
3	64QAM	8	7	20.68	20.79	20.89
3	64QAM	15	0	20.74	20.81	20.78
3	256QAM	1	0	18.49	18.55	18.53
3	256QAM	1	8	18.75	18.78	18.74
3	256QAM	1	14	18.64	18.64	18.63



3	256QAM	8	0	18.42	18.50	18.46
3	256QAM	8	4	18.61	18.69	18.61
3	256QAM	8	7	18.50	18.52	18.48
3	256QAM	15	0	18.57	18.60	18.58
Channel				26047	26340	26683
Frequency (MHz)				1850.7	1880	1914.3
1.4	QPSK	1	0	23.65	23.72	23.71
1.4	QPSK	1	3	23.61	23.70	23.71
1.4	QPSK	1	5	23.63	23.72	23.67
1.4	QPSK	3	0	23.65	23.76	23.75
1.4	QPSK	3	1	23.62	23.72	23.74
1.4	QPSK	3	3	23.65	23.69	23.72
1.4	QPSK	6	0	22.67	22.75	22.83
1.4	16QAM	1	0	22.99	23.15	23.07
1.4	16QAM	1	3	22.99	23.10	23.11
1.4	16QAM	1	5	22.94	23.15	23.02
1.4	16QAM	3	0	22.79	22.91	22.91
1.4	16QAM	3	1	22.85	22.89	22.91
1.4	16QAM	3	3	22.85	22.91	22.85
1.4	16QAM	6	0	21.73	21.85	21.92
1.4	64QAM	1	0	21.88	21.96	21.96
1.4	64QAM	1	3	21.98	22.01	21.94
1.4	64QAM	1	5	21.90	21.92	21.99
1.4	64QAM	3	0	21.87	21.92	21.90
1.4	64QAM	3	1	21.83	21.94	21.91
1.4	64QAM	3	3	21.82	21.92	21.85
1.4	64QAM	6	0	20.77	20.80	20.85
1.4	256QAM	1	0	18.52	18.55	18.51
1.4	256QAM	1	3	18.71	18.76	18.75
1.4	256QAM	1	5	18.64	18.66	18.62
1.4	256QAM	3	0	18.46	18.51	18.49
1.4	256QAM	3	1	18.64	18.65	18.62
1.4	256QAM	3	3	18.51	18.54	18.51
1.4	256QAM	6	0	18.57	18.57	18.56



LTE Band 26_Ant.0:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				26865	26915	26965
Frequency (MHz)				831.5	836.5	841.5
15	QPSK	1	0	24.34	24.36	24.42
15	QPSK	1	37	24.46	24.47	24.45
15	QPSK	1	74	24.37	24.34	24.44
15	QPSK	36	0	23.49	23.50	23.52
15	QPSK	36	20	23.54	23.56	23.53
15	QPSK	36	39	23.46	23.47	23.50
15	QPSK	75	0	23.50	23.55	23.53
15	16QAM	1	0	23.66	23.66	23.71
15	16QAM	1	37	23.76	23.68	23.76
15	16QAM	1	74	23.69	23.59	23.77
15	16QAM	36	0	22.48	22.50	22.58
15	16QAM	36	20	22.57	22.51	22.55
15	16QAM	36	39	22.51	22.45	22.48
15	16QAM	75	0	22.54	22.49	22.58
15	64QAM	1	0	22.47	22.63	22.63
15	64QAM	1	37	22.70	22.72	22.79
15	64QAM	1	74	22.55	22.56	22.71
15	64QAM	36	0	21.51	21.52	21.57
15	64QAM	36	20	21.55	21.51	21.55
15	64QAM	36	39	21.50	21.47	21.48
15	64QAM	75	0	21.55	21.51	21.56
15	256QAM	1	0	19.86	19.90	19.87
15	256QAM	1	37	19.81	19.84	19.79
15	256QAM	1	74	19.95	19.97	19.96
15	256QAM	36	0	19.76	19.78	19.73
15	256QAM	36	20	19.81	19.82	19.79
15	256QAM	36	39	19.73	19.76	19.72
15	256QAM	75	0	19.78	19.81	19.80
Channel				26840	26915	26990
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	24.31	24.36	24.37
10	QPSK	1	25	24.38	24.42	24.39
10	QPSK	1	49	24.31	24.32	24.32
10	QPSK	25	0	23.34	23.41	23.41
10	QPSK	25	12	23.50	23.54	23.44
10	QPSK	25	25	23.45	23.47	23.53
10	QPSK	50	0	23.43	23.45	23.49
10	16QAM	1	0	23.58	23.67	23.77
10	16QAM	1	25	23.68	23.64	23.65
10	16QAM	1	49	23.68	23.66	23.68
10	16QAM	25	0	22.40	22.46	22.43
10	16QAM	25	12	22.54	22.55	22.48
10	16QAM	25	25	22.48	22.52	22.53
10	16QAM	50	0	22.48	22.48	22.49
10	64QAM	1	0	22.58	22.61	22.53
10	64QAM	1	25	22.66	22.56	22.60
10	64QAM	1	49	22.49	22.53	22.59
10	64QAM	25	0	21.41	21.43	21.43
10	64QAM	25	12	21.51	21.52	21.45
10	64QAM	25	25	21.48	21.51	21.52



10	64QAM	50	0	21.48	21.50	21.51
10	256QAM	1	0	19.75	19.75	19.73
10	256QAM	1	25	19.67	19.70	19.65
10	256QAM	1	49	19.83	19.86	19.82
10	256QAM	25	0	19.63	19.64	19.62
10	256QAM	25	12	19.68	19.67	19.68
10	256QAM	25	25	19.61	19.64	19.59
10	256QAM	50	0	19.65	19.69	19.69
Channel				26815	26915	27015
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	24.42	24.39	24.44
5	QPSK	1	12	24.42	24.41	24.44
5	QPSK	1	24	24.36	24.34	24.41
5	QPSK	12	0	23.35	23.43	23.44
5	QPSK	12	7	23.49	23.55	23.56
5	QPSK	12	13	23.44	23.46	23.53
5	QPSK	25	0	23.44	23.46	23.41
5	16QAM	1	0	23.75	23.77	23.74
5	16QAM	1	12	23.72	23.66	23.69
5	16QAM	1	24	23.70	23.64	23.71
5	16QAM	12	0	22.42	22.47	22.48
5	16QAM	12	7	22.55	22.56	22.59
5	16QAM	12	13	22.50	22.50	22.59
5	16QAM	25	0	22.46	22.50	22.47
5	64QAM	1	0	22.58	22.52	22.61
5	64QAM	1	12	22.59	22.73	22.77
5	64QAM	1	24	22.55	22.58	22.64
5	64QAM	12	0	21.40	21.46	21.45
5	64QAM	12	7	21.55	21.53	21.57
5	64QAM	12	13	21.43	21.50	21.55
5	64QAM	25	0	21.46	21.52	21.45
5	256QAM	1	0	19.71	19.78	19.75
5	256QAM	1	12	19.66	19.69	19.68
5	256QAM	1	24	19.82	19.85	19.84
5	256QAM	12	0	19.62	19.64	19.58
5	256QAM	12	7	19.70	19.67	19.64
5	256QAM	12	13	19.61	19.61	19.61
5	256QAM	25	0	19.64	19.68	19.65
Channel				26805	26915	27025
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	24.38	24.37	24.43
3	QPSK	1	8	24.42	24.44	24.41
3	QPSK	1	14	24.41	24.42	24.45
3	QPSK	8	0	23.47	23.41	23.47
3	QPSK	8	4	23.50	23.51	23.58
3	QPSK	8	7	23.48	23.49	23.57
3	QPSK	15	0	23.43	23.49	23.45
3	16QAM	1	0	23.62	23.66	23.64
3	16QAM	1	8	23.74	23.72	23.86
3	16QAM	1	14	23.72	23.70	23.78
3	16QAM	8	0	22.55	22.53	22.55
3	16QAM	8	4	22.56	22.57	22.64
3	16QAM	8	7	22.49	22.59	22.61
3	16QAM	15	0	22.49	22.53	22.50
3	64QAM	1	0	22.62	22.66	22.61
3	64QAM	1	8	22.64	22.66	22.75



3	64QAM	1	14	22.61	22.62	22.70
3	64QAM	8	0	21.50	21.47	21.50
3	64QAM	8	4	21.53	21.58	21.64
3	64QAM	8	7	21.49	21.53	21.60
3	64QAM	15	0	21.51	21.55	21.49
3	256QAM	1	0	19.74	19.79	19.74
3	256QAM	1	8	19.67	19.69	19.66
3	256QAM	1	14	19.83	19.84	19.82
3	256QAM	8	0	19.64	19.65	19.62
3	256QAM	8	4	19.67	19.67	19.68
3	256QAM	8	7	19.58	19.62	19.58
3	256QAM	15	0	19.65	19.68	19.68
Channel				26797	26915	27033
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	24.37	24.28	24.20
1.4	QPSK	1	3	24.40	24.40	24.07
1.4	QPSK	1	5	24.35	24.37	24.02
1.4	QPSK	3	0	24.38	24.31	24.22
1.4	QPSK	3	1	24.39	24.40	24.20
1.4	QPSK	3	3	24.36	24.37	24.06
1.4	QPSK	6	0	23.37	23.44	23.17
1.4	16QAM	1	0	23.58	23.66	23.63
1.4	16QAM	1	3	23.72	23.73	23.54
1.4	16QAM	1	5	23.73	23.68	23.43
1.4	16QAM	3	0	23.51	23.46	23.46
1.4	16QAM	3	1	23.55	23.48	23.46
1.4	16QAM	3	3	23.49	23.53	23.29
1.4	16QAM	6	0	22.49	22.54	22.33
1.4	64QAM	1	0	22.59	22.54	22.53
1.4	64QAM	1	3	22.69	22.67	22.48
1.4	64QAM	1	5	22.52	22.59	22.38
1.4	64QAM	3	0	22.49	22.42	22.52
1.4	64QAM	3	1	22.57	22.56	22.44
1.4	64QAM	3	3	22.51	22.50	22.35
1.4	64QAM	6	0	21.42	21.47	21.31
1.4	256QAM	1	0	19.71	19.78	19.75
1.4	256QAM	1	3	19.66	19.70	19.64
1.4	256QAM	1	5	19.81	19.82	19.85
1.4	256QAM	3	0	19.65	19.63	19.58
1.4	256QAM	3	1	19.67	19.71	19.67
1.4	256QAM	3	3	19.58	19.63	19.59
1.4	256QAM	6	0	19.63	19.68	19.65



LTE Band 66_Ant.2:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				132072	132322	132572
Frequency (MHz)				1720	1745	1770
20	QPSK	1	0	23.93	23.97	23.96
20	QPSK	1	49	23.96	23.98	23.97
20	QPSK	1	99	23.80	23.73	23.85
20	QPSK	50	0	22.97	23.00	22.93
20	QPSK	50	24	22.98	23.04	22.95
20	QPSK	50	50	22.97	22.96	22.93
20	QPSK	100	0	22.96	23.00	22.91
20	16QAM	1	0	23.22	23.43	23.26
20	16QAM	1	49	23.18	23.28	23.10
20	16QAM	1	99	23.16	23.15	23.12
20	16QAM	50	0	22.02	22.01	21.96
20	16QAM	50	24	22.08	21.96	22.00
20	16QAM	50	50	21.98	21.97	21.97
20	16QAM	100	0	22.03	22.02	21.93
20	64QAM	1	0	22.24	22.17	22.15
20	64QAM	1	49	22.14	22.23	22.22
20	64QAM	1	99	22.02	21.91	22.07
20	64QAM	50	0	20.97	21.00	20.95
20	64QAM	50	24	21.08	20.98	20.93
20	64QAM	50	50	21.00	20.97	20.96
20	64QAM	100	0	21.01	21.04	20.94
20	256QAM	1	0	18.70	18.75	18.70
20	256QAM	1	49	18.95	18.97	18.96
20	256QAM	1	99	18.74	18.78	18.74
20	256QAM	50	0	18.68	18.73	18.68
20	256QAM	50	24	18.71	18.74	18.70
20	256QAM	50	50	18.81	18.83	18.80
20	256QAM	100	0	18.76	18.80	18.79
Channel				132047	132322	132597
Frequency (MHz)				1717.5	1745	1772.5
15	QPSK	1	0	23.90	23.91	23.90
15	QPSK	1	37	23.88	23.89	23.85
15	QPSK	1	74	23.77	23.76	23.74
15	QPSK	36	0	22.92	22.92	22.89
15	QPSK	36	20	22.98	22.99	22.94
15	QPSK	36	39	22.95	22.91	22.87
15	QPSK	75	0	22.96	22.96	22.92
15	16QAM	1	0	23.17	23.11	23.19
15	16QAM	1	37	23.16	23.23	23.15
15	16QAM	1	74	22.96	23.03	23.11
15	16QAM	36	0	21.94	21.95	21.92
15	16QAM	36	20	22.01	22.00	21.96
15	16QAM	36	39	21.94	21.96	21.92
15	16QAM	75	0	21.97	21.96	21.97



15	64QAM	1	0	22.11	22.20	22.12
15	64QAM	1	37	22.23	22.08	22.16
15	64QAM	1	74	22.00	21.99	22.06
15	64QAM	36	0	20.93	20.94	20.90
15	64QAM	36	20	21.00	20.98	20.97
15	64QAM	36	39	20.92	20.93	20.94
15	64QAM	75	0	20.99	20.97	20.98
15	256QAM	1	0	18.64	18.66	18.61
15	256QAM	1	37	18.88	18.87	18.90
15	256QAM	1	74	18.67	18.72	18.64
15	256QAM	36	0	18.58	18.66	18.59
15	256QAM	36	20	18.65	18.68	18.60
15	256QAM	36	39	18.74	18.77	18.70
15	256QAM	75	0	18.67	18.72	18.71
Channel				132022	132322	132622
Frequency (MHz)				1715	1745	1775
10	QPSK	1	0	23.89	23.93	23.87
10	QPSK	1	25	23.92	23.92	23.88
10	QPSK	1	49	23.79	23.77	23.79
10	QPSK	25	0	22.93	22.92	22.92
10	QPSK	25	12	23.05	22.94	22.98
10	QPSK	25	25	22.98	22.96	22.94
10	QPSK	50	0	22.99	22.98	22.96
10	16QAM	1	0	23.24	23.19	23.15
10	16QAM	1	25	23.34	23.26	23.16
10	16QAM	1	49	23.16	23.05	23.13
10	16QAM	25	0	21.99	21.97	21.94
10	16QAM	25	12	22.04	21.99	22.03
10	16QAM	25	25	22.03	22.00	21.99
10	16QAM	50	0	21.98	21.99	21.96
10	64QAM	1	0	22.11	22.12	22.19
10	64QAM	1	25	22.13	22.15	22.09
10	64QAM	1	49	21.97	22.01	22.03
10	64QAM	25	0	20.94	20.97	20.95
10	64QAM	25	12	21.03	21.02	21.05
10	64QAM	25	25	20.98	21.00	20.97
10	64QAM	50	0	21.02	21.01	20.98
10	256QAM	1	0	18.62	18.65	18.63
10	256QAM	1	25	18.88	18.90	18.90
10	256QAM	1	49	18.65	18.68	18.67
10	256QAM	25	0	18.62	18.67	18.59
10	256QAM	25	12	18.63	18.64	18.64
10	256QAM	25	25	18.72	18.76	18.70
10	256QAM	50	0	18.69	18.70	18.72
Channel				131997	132322	132647
Frequency (MHz)				1712.5	1745	1777.5
5	QPSK	1	0	23.90	23.90	23.87
5	QPSK	1	12	23.94	23.91	23.89
5	QPSK	1	24	23.86	23.87	23.87
5	QPSK	12	0	22.98	22.92	22.89



5	QPSK	12	7	23.07	23.04	23.03
5	QPSK	12	13	23.01	22.99	22.93
5	QPSK	25	0	22.98	22.95	22.86
5	16QAM	1	0	23.23	23.16	23.18
5	16QAM	1	12	23.21	23.25	23.21
5	16QAM	1	24	23.16	23.14	23.12
5	16QAM	12	0	22.06	21.95	21.96
5	16QAM	12	7	22.06	22.12	22.06
5	16QAM	12	13	21.99	22.03	21.99
5	16QAM	25	0	22.01	21.99	21.90
5	64QAM	1	0	22.17	22.13	22.16
5	64QAM	1	12	22.14	22.19	22.15
5	64QAM	1	24	22.07	21.94	22.00
5	64QAM	12	0	21.01	20.97	20.96
5	64QAM	12	7	21.09	21.09	21.06
5	64QAM	12	13	21.03	21.04	20.98
5	64QAM	25	0	21.01	21.00	20.92
5	256QAM	1	0	18.61	18.68	18.62
5	256QAM	1	12	18.86	18.91	18.86
5	256QAM	1	24	18.66	18.68	18.67
5	256QAM	12	0	18.58	18.65	18.58
5	256QAM	12	7	18.65	18.65	18.61
5	256QAM	12	13	18.71	18.73	18.70
5	256QAM	25	0	18.68	18.71	18.71
Channel				131987	132322	132657
Frequency (MHz)				1711.5	1745	1778.5
3	QPSK	1	0	23.89	23.87	23.83
3	QPSK	1	8	23.96	23.96	23.95
3	QPSK	1	14	23.84	23.87	23.80
3	QPSK	8	0	23.01	22.92	22.91
3	QPSK	8	4	23.03	23.00	22.90
3	QPSK	8	7	22.99	22.98	22.94
3	QPSK	15	0	22.94	22.97	22.83
3	16QAM	1	0	23.19	23.11	23.17
3	16QAM	1	8	23.23	23.27	23.22
3	16QAM	1	14	23.14	23.06	23.04
3	16QAM	8	0	22.09	22.05	21.95
3	16QAM	8	4	22.08	22.13	22.01
3	16QAM	8	7	22.01	22.05	22.02
3	16QAM	15	0	22.03	22.02	21.91
3	64QAM	1	0	22.06	21.97	21.99
3	64QAM	1	8	22.23	22.13	22.18
3	64QAM	1	14	22.08	21.97	21.99
3	64QAM	8	0	21.04	20.95	20.91
3	64QAM	8	4	21.05	21.09	20.99
3	64QAM	8	7	21.01	21.04	20.98
3	64QAM	15	0	21.04	21.03	20.94
3	256QAM	1	0	18.64	18.69	18.62
3	256QAM	1	8	18.87	18.90	18.87
3	256QAM	1	14	18.65	18.71	18.65



3	256QAM	8	0	18.62	18.66	18.58
3	256QAM	8	4	18.61	18.64	18.63
3	256QAM	8	7	18.74	18.77	18.73
3	256QAM	15	0	18.68	18.70	18.71
Channel				131979	132322	132665
Frequency (MHz)				1710.7	1745	1779.3
1.4	QPSK	1	0	23.87	23.89	23.84
1.4	QPSK	1	3	23.90	23.87	23.86
1.4	QPSK	1	5	23.88	23.84	23.83
1.4	QPSK	3	0	23.87	23.89	23.84
1.4	QPSK	3	1	23.90	23.89	23.85
1.4	QPSK	3	3	23.88	23.88	23.88
1.4	QPSK	6	0	22.95	22.94	22.94
1.4	16QAM	1	0	23.28	23.18	23.24
1.4	16QAM	1	3	23.27	23.22	23.26
1.4	16QAM	1	5	23.28	23.18	23.19
1.4	16QAM	3	0	23.06	23.06	23.01
1.4	16QAM	3	1	23.02	23.03	22.98
1.4	16QAM	3	3	23.01	23.02	23.00
1.4	16QAM	6	0	22.00	22.00	21.97
1.4	64QAM	1	0	22.15	22.06	22.12
1.4	64QAM	1	3	22.16	22.17	22.13
1.4	64QAM	1	5	22.08	22.06	22.17
1.4	64QAM	3	0	22.05	22.07	22.07
1.4	64QAM	3	1	22.05	22.09	22.06
1.4	64QAM	3	3	22.08	22.09	22.07
1.4	64QAM	6	0	21.01	21.00	21.00
1.4	256QAM	1	0	18.63	18.67	18.64
1.4	256QAM	1	3	18.89	18.89	18.90
1.4	256QAM	1	5	18.67	18.72	18.65
1.4	256QAM	3	0	18.59	18.67	18.58
1.4	256QAM	3	1	18.63	18.64	18.61
1.4	256QAM	3	3	18.75	18.73	18.73
1.4	256QAM	6	0	18.67	18.74	18.70

**CA Power****LTE Band 2C_Ant.1:**

CA_2C_Ant 1								
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		
18700	18898	QPSK	100	0	100	0	200	22.42
			1	0	1	99	2	15.84
			1	99	1	0	2	23.48
		16QAM	100	0	100	0	200	21.57
			1	0	1	99	2	16.28
			1	99	1	0	2	23.10
		64QAM	100	0	100	0	200	21.47
			1	0	1	99	2	16.03
			1	99	1	0	2	21.68
		256QAM	100	0	100	0	200	19.48
			1	0	1	99	2	15.92
			1	99	1	0	2	19.68
18801	18999	QPSK	100	0	100	0	200	22.38
			1	0	1	99	2	15.81
			1	99	1	0	2	23.45
		16QAM	100	0	100	0	200	21.53
			1	0	1	99	2	16.26
			1	99	1	0	2	23.11
		64QAM	100	0	100	0	200	21.44
			1	0	1	99	2	16.05
			1	99	1	0	2	21.70
		256QAM	100	0	100	0	200	19.52
			1	0	1	99	2	15.95
			1	99	1	0	2	19.66
18902	19100	QPSK	100	0	100	0	200	22.40
			1	0	1	99	2	15.88
			1	99	1	0	2	23.43
		16QAM	100	0	100	0	200	21.55
			1	0	1	99	2	16.26
			1	99	1	0	2	23.10
		64QAM	100	0	100	0	200	21.48
			1	0	1	99	2	16.06
			1	99	1	0	2	21.66
		256QAM	100	0	100	0	200	19.51
			1	0	1	99	2	15.96
			1	99	1	0	2	19.70



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		
18700	18871	QPSK	100	0	75	0	175	22.37
			1	0	1	74	2	15.71
			1	99	1	0	2	23.43
		16QAM	100	0	75	0	175	21.45
			1	0	1	74	2	16.19
			1	99	1	0	2	23.01
		64QAM	100	0	75	0	175	21.41
			1	0	1	74	2	15.96
			1	99	1	0	2	21.56
		256QAM	100	0	75	0	175	19.38
			1	0	1	74	2	15.82
			1	99	1	0	2	19.60
18826	18997	QPSK	100	0	75	0	175	22.28
			1	0	1	74	2	15.73
			1	99	1	0	2	23.34
		16QAM	100	0	75	0	175	21.41
			1	0	1	74	2	16.14
			1	99	1	0	2	23.05
		64QAM	100	0	75	0	175	21.35
			1	0	1	74	2	15.90
			1	99	1	0	2	21.62
		256QAM	100	0	75	0	175	19.41
			1	0	1	74	2	15.80
			1	99	1	0	2	19.59
18951	19122	QPSK	100	0	75	0	175	22.27
			1	0	1	74	2	15.68
			1	99	1	0	2	23.40
		16QAM	100	0	75	0	175	21.44
			1	0	1	74	2	16.19
			1	99	1	0	2	22.99
		64QAM	100	0	75	0	175	21.32
			1	0	1	74	2	15.94
			1	99	1	0	2	21.56
		256QAM	100	0	75	0	175	19.40
			1	0	1	74	2	15.76
			1	99	1	0	2	19.62
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		
18678	18849	QPSK	75	0	100	0	175	22.30
			1	0	1	99	2	15.70
			1	74	1	0	2	23.32



		16QAM	75	0	100	0	175	21.48
			1	0	1	99	2	16.17
			1	74	1	0	2	22.99
		64QAM	75	0	100	0	175	21.40
			1	0	1	99	2	15.90
			1	74	1	0	2	21.62
		256QAM	75	0	100	0	175	19.39
			1	0	1	99	2	15.86
			1	74	1	0	2	19.53
18803	18974	QPSK	75	0	100	0	175	22.27
			1	0	1	99	2	15.75
			1	74	1	0	2	23.39
		16QAM	75	0	100	0	175	21.50
			1	0	1	99	2	16.16
			1	74	1	0	2	23.00
		64QAM	75	0	100	0	175	21.40
			1	0	1	99	2	15.98
			1	74	1	0	2	21.56
		256QAM	75	0	100	0	175	19.40
			1	0	1	99	2	15.80
			1	74	1	0	2	19.62
18929	19100	QPSK	75	0	100	0	175	22.34
			1	0	1	99	2	15.78
			1	74	1	0	2	23.41
		16QAM	75	0	100	0	175	21.45
			1	0	1	99	2	16.15
			1	74	1	0	2	23.03
		64QAM	75	0	100	0	175	21.34
			1	0	1	99	2	15.89
			1	74	1	0	2	21.55
		256QAM	75	0	100	0	175	19.36
			1	0	1	99	2	15.76
			1	74	1	0	2	19.57
Combination 20MHz+10MHz (100RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
18700	18844	QPSK	100	0	50	0	150	22.37
			1	0	1	49	2	15.72
			1	99	1	0	2	23.40
		16QAM	100	0	50	0	150	21.46
			1	0	1	49	2	16.19
			1	99	1	0	2	22.97
		64QAM	100	0	50	0	150	21.39
			1	0	1	49	2	15.91
			1	99	1	0	2	21.60



		256QAM	100	0	50	0	150	19.37
			1	0	1	49	2	15.86
			1	99	1	0	2	19.61
18851	18995	QPSK	100	0	50	0	150	22.33
			1	0	1	49	2	15.70
			1	99	1	0	2	23.39
		16QAM	100	0	50	0	150	21.49
			1	0	1	49	2	16.22
			1	99	1	0	2	23.01
		64QAM	100	0	50	0	150	21.41
			1	0	1	49	2	15.87
			1	99	1	0	2	21.62
		256QAM	100	0	50	0	150	19.42
			1	0	1	49	2	15.81
			1	99	1	0	2	19.58
18956	19100	QPSK	100	0	50	0	150	22.36
			1	0	1	49	2	15.72
			1	99	1	0	2	23.32
		16QAM	100	0	50	0	150	21.45
			1	0	1	49	2	16.23
			1	99	1	0	2	22.99
		64QAM	100	0	50	0	150	21.38
			1	0	1	49	2	15.93
			1	99	1	0	2	21.59
		256QAM	100	0	50	0	150	19.42
			1	0	1	49	2	15.79
			1	99	1	0	2	19.60
Combination 20MHz+5MHz (100RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
18700	18817	QPSK	100	0	50	0	150	22.35
			1	0	1	49	2	15.70
			1	99	1	0	2	23.36
		16QAM	100	0	50	0	150	21.42
			1	0	1	49	2	16.22
			1	99	1	0	2	22.99
		64QAM	100	0	50	0	150	21.34
			1	0	1	49	2	15.88
			1	99	1	0	2	21.56
		256QAM	100	0	50	0	150	19.40
			1	0	1	49	2	15.84
			1	99	1	0	2	19.52
18875	18992	QPSK	100	0	50	0	150	22.32
			1	0	1	49	2	15.74
			1	99	1	0	2	23.33



		16QAM	100	0	50	0	150	21.43
			1	0	1	49	2	16.13
			1	99	1	0	2	22.99
		64QAM	100	0	50	0	150	21.36
			1	0	1	49	2	15.92
			1	99	1	0	2	21.60
		256QAM	100	0	50	0	150	19.36
			1	0	1	49	2	15.85
			1	99	1	0	2	19.63
18983	19100	QPSK	100	0	50	0	150	22.30
			1	0	1	49	2	15.72
			1	99	1	0	2	23.37
		16QAM	100	0	50	0	150	21.44
			1	0	1	49	2	16.21
			1	99	1	0	2	23.01
		64QAM	100	0	50	0	150	21.39
			1	0	1	49	2	15.97
			1	99	1	0	2	21.62
		256QAM	100	0	50	0	150	19.35
			1	0	1	49	2	15.76
			1	99	1	0	2	19.61
Combination 10MHz+20MHz (50RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
18655	18799	QPSK	50	0	100	0	150	22.35
			1	0	1	99	2	15.74
			1	49	1	0	2	23.32
		16QAM	50	0	100	0	150	21.52
			1	0	1	99	2	16.16
			1	49	1	0	2	23.04
		64QAM	50	0	100	0	150	21.42
			1	0	1	99	2	15.87
			1	49	1	0	2	21.59
		256QAM	50	0	100	0	150	19.40
			1	0	1	99	2	15.78
			1	49	1	0	2	19.57
18806	18950	QPSK	50	0	100	0	150	22.32
			1	0	1	99	2	15.70
			1	49	1	0	2	23.38
		16QAM	50	0	100	0	150	21.49
			1	0	1	99	2	16.20
			1	49	1	0	2	23.02
		64QAM	50	0	100	0	150	21.31
			1	0	1	99	2	15.88
			1	49	1	0	2	21.63



		256QAM	50	0	100	0	150	19.43
			1	0	1	99	2	15.76
			1	49	1	0	2	19.56
18956	19100	QPSK	50	0	100	0	150	22.33
			1	0	1	99	2	15.71
			1	49	1	0	2	23.34
		16QAM	50	0	100	0	150	21.49
			1	0	1	99	2	16.14
			1	49	1	0	2	23.00
		64QAM	50	0	100	0	150	21.41
			1	0	1	99	2	15.97
			1	49	1	0	2	21.55
		256QAM	50	0	100	0	150	19.40
			1	0	1	99	2	15.76
			1	49	1	0	2	19.60
Combination 10MHz+15MHz (50RB+75RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
18653	18773	QPSK	50	0	100	0	150	22.33
			1	0	1	99	2	15.72
			1	49	1	0	2	23.35
		16QAM	50	0	100	0	150	21.48
			1	0	1	99	2	16.23
			1	49	1	0	2	22.99
		64QAM	50	0	100	0	150	21.31
			1	0	1	99	2	15.92
			1	49	1	0	2	21.57
		256QAM	50	0	100	0	150	19.32
			1	0	1	99	2	15.84
			1	49	1	0	2	19.63
18829	18949	QPSK	50	0	100	0	150	22.37
			1	0	1	99	2	15.77
			1	49	1	0	2	23.39
		16QAM	50	0	100	0	150	21.50
			1	0	1	99	2	16.16
			1	49	1	0	2	22.99
		64QAM	50	0	100	0	150	21.37
			1	0	1	99	2	15.89
			1	49	1	0	2	21.60
		256QAM	50	0	100	0	150	19.34
			1	0	1	99	2	15.80
			1	49	1	0	2	19.58
19005	19125	QPSK	50	0	100	0	150	22.34
			1	0	1	99	2	15.74
			1	49	1	0	2	23.34



		16QAM	50	0	100	0	150	21.52
			1	0	1	99	2	16.23
			1	49	1	0	2	23.05
		64QAM	50	0	100	0	150	21.39
			1	0	1	99	2	15.87
			1	49	1	0	2	21.56
		256QAM	50	0	100	0	150	19.40
			1	0	1	99	2	15.77
			1	49	1	0	2	19.52
Combination 15MHz+15MHz (75RB+75RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
18675	18825	QPSK	75	0	75	0	150	22.28
			1	0	1	74	2	15.68
			1	74	1	0	2	23.34
		16QAM	75	0	75	0	150	21.48
			1	0	1	74	2	16.23
			1	74	1	0	2	23.05
		64QAM	75	0	75	0	150	21.31
			1	0	1	74	2	15.96
			1	74	1	0	2	21.54
		256QAM	75	0	75	0	150	19.37
			1	0	1	74	2	15.78
			1	74	1	0	2	19.59
18825	18975	QPSK	75	0	75	0	150	22.36
			1	0	1	74	2	15.76
			1	74	1	0	2	23.38
		16QAM	75	0	75	0	150	21.51
			1	0	1	74	2	16.14
			1	74	1	0	2	22.95
		64QAM	75	0	75	0	150	21.32
			1	0	1	74	2	15.89
			1	74	1	0	2	21.60
		256QAM	75	0	75	0	150	19.36
			1	0	1	74	2	15.85
			1	74	1	0	2	19.55
18975	19125	QPSK	75	0	75	0	150	22.33
			1	0	1	74	2	15.72
			1	74	1	0	2	23.43
		16QAM	75	0	75	0	150	21.49
			1	0	1	74	2	16.22
			1	74	1	0	2	22.98
		64QAM	75	0	75	0	150	21.33
			1	0	1	74	2	15.90
			1	74	1	0	2	21.63



		256QAM	75	0	75	0	150	19.41
			1	0	1	74	2	15.85
			1	74	1	0	2	19.54
Combination 15MHz+10MHz (75RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
18675	18795	QPSK	75	0	50	0	125	22.27
			1	0	1	49	2	15.77
			1	74	1	0	2	23.33
		16QAM	75	0	50	0	125	21.47
			1	0	1	49	2	16.13
			1	74	1	0	2	23.04
		64QAM	75	0	50	0	125	21.35
			1	0	1	49	2	15.93
			1	74	1	0	2	21.62
		256QAM	75	0	50	0	125	19.40
			1	0	1	49	2	15.82
			1	74	1	0	2	19.52
18851	18971	QPSK	75	0	50	0	125	22.37
			1	0	1	49	2	15.77
			1	74	1	0	2	23.38
		16QAM	75	0	50	0	125	21.45
			1	0	1	49	2	16.20
			1	74	1	0	2	23.02
		64QAM	75	0	50	0	125	21.36
			1	0	1	49	2	15.89
			1	74	1	0	2	21.58
		256QAM	75	0	50	0	125	19.42
			1	0	1	49	2	15.85
			1	74	1	0	2	19.56
19027	19147	QPSK	75	0	50	0	125	22.33
			1	0	1	49	2	15.75
			1	74	1	0	2	23.42
		16QAM	75	0	50	0	125	21.42
			1	0	1	49	2	16.13
			1	74	1	0	2	23.00
		64QAM	75	0	50	0	125	21.40
			1	0	1	49	2	15.92
			1	74	1	0	2	21.55
		256QAM	75	0	50	0	125	19.33
			1	0	1	49	2	15.77
			1	74	1	0	2	19.60
Combination 5MHz+20MHz (25RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		



18633	18750	QPSK	75	0	50	0	125	22.27
			1	0	1	49	2	15.79
			1	74	1	0	2	23.43
		16QAM	75	0	50	0	125	21.47
			1	0	1	49	2	16.18
			1	74	1	0	2	22.94
		64QAM	75	0	50	0	125	21.38
			1	0	1	49	2	15.89
			1	74	1	0	2	21.62
		256QAM	75	0	50	0	125	19.39
			1	0	1	49	2	15.82
			1	74	1	0	2	19.57
18808	18925	QPSK	75	0	50	0	125	22.29
			1	0	1	49	2	15.73
			1	74	1	0	2	23.39
		16QAM	75	0	50	0	125	21.48
			1	0	1	49	2	16.21
			1	74	1	0	2	22.94
		64QAM	75	0	50	0	125	21.31
			1	0	1	49	2	15.94
			1	74	1	0	2	21.55
		256QAM	75	0	50	0	125	19.32
			1	0	1	49	2	15.82
			1	74	1	0	2	19.59
18983	19100	QPSK	75	0	50	0	125	22.36
			1	0	1	49	2	15.77
			1	74	1	0	2	23.40
		16QAM	75	0	50	0	125	21.52
			1	0	1	49	2	16.20
			1	74	1	0	2	22.94
		64QAM	75	0	50	0	125	21.38
			1	0	1	49	2	15.98
			1	74	1	0	2	21.58
		256QAM	75	0	50	0	125	19.42
			1	0	1	49	2	15.84
			1	74	1	0	2	19.56



LTE Band 5B_Ant.0:

CA_5B_Ant 0								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20549	QPSK	50	0	50	0	100	23.26
			1	0	1	49	2	16.83
			1	49	1	0	2	24.26
		16QAM	50	0	50	0	100	22.31
			1	0	1	49	2	16.85
			1	49	1	0	2	23.73
		64QAM	50	0	50	0	100	20.83
			1	0	1	49	2	16.78
			1	49	1	0	2	21.26
		256QAM	50	0	50	0	100	20.11
			1	0	1	49	2	16.92
			1	49	1	0	2	20.23
20476	20575	QPSK	50	0	50	0	100	23.13
			1	0	1	49	2	16.73
			1	49	1	0	2	24.17
		16QAM	50	0	50	0	100	22.16
			1	0	1	49	2	16.69
			1	49	1	0	2	23.57
		64QAM	50	0	50	0	100	20.67
			1	0	1	49	2	16.64
			1	49	1	0	2	21.11
		256QAM	50	0	50	0	100	19.99
			1	0	1	49	2	16.77
			1	49	1	0	2	20.18
20501	20600	QPSK	50	0	50	0	100	23.20
			1	0	1	49	2	16.77
			1	49	1	0	2	24.21
		16QAM	50	0	50	0	100	22.15
			1	0	1	49	2	16.76
			1	49	1	0	2	23.60
		64QAM	50	0	50	0	100	20.75
			1	0	1	49	2	16.71
			1	49	1	0	2	21.14
		256QAM	50	0	50	0	100	20.00
			1	0	1	49	2	16.76
			1	49	1	0	2	20.17
Combination 10MHz+5MHz (50RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20450	20522	QPSK	50	0	25	0	75	23.20
			1	0	1	24	2	16.71
			1	49	1	0	2	24.18
		16QAM	50	0	25	0	75	22.25
			1	0	1	24	2	16.75
			1	49	1	0	2	23.58



		64QAM	50	0	25	0	75	20.71
			1	0	1	24	2	16.63
			1	49	1	0	2	21.19
		256QAM	50	0	25	0	75	19.98
			1	0	1	24	2	16.81
			1	49	1	0	2	20.10
20500	20572	QPSK	50	0	25	0	75	23.17
			1	0	1	24	2	16.74
			1	49	1	0	2	24.12
		16QAM	50	0	25	0	75	22.17
			1	0	1	24	2	16.71
			1	49	1	0	2	23.63
		64QAM	50	0	25	0	75	20.77
			1	0	1	24	2	16.66
			1	49	1	0	2	21.21
		256QAM	50	0	25	0	75	19.98
			1	0	1	24	2	16.85
			1	49	1	0	2	20.15
20550	20622	QPSK	50	0	25	0	75	23.11
			1	0	1	24	2	16.77
			1	49	1	0	2	24.19
		16QAM	50	0	25	0	75	22.24
			1	0	1	24	2	16.80
			1	49	1	0	2	23.57
		64QAM	50	0	25	0	75	20.72
			1	0	1	24	2	16.69
			1	49	1	0	2	21.11
		256QAM	50	0	25	0	75	19.96
			1	0	1	24	2	16.81
			1	49	1	0	2	20.08
Combination 5MHz+10MHz (25RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
20428	20500	QPSK	25	0	50	0	75	23.17
			1	0	1	49	2	16.69
			1	24	1	0	2	24.14
		16QAM	25	0	50	0	75	22.26
			1	0	1	49	2	16.70
			1	24	1	0	2	23.64
		64QAM	25	0	50	0	75	20.70
			1	0	1	49	2	16.66
			1	24	1	0	2	21.18
		256QAM	25	0	50	0	75	20.04
			1	0	1	49	2	16.76
			1	24	1	0	2	20.10
20478	20550	QPSK	25	0	50	0	75	23.16
			1	0	1	49	2	16.73
			1	24	1	0	2	24.16
		16QAM	25	0	50	0	75	22.23
			1	0	1	49	2	16.72



			1	24	1	0	2	23.62		
		64QAM	25	0	50	0	75	20.77		
			1	0	1	49	2	16.63		
			1	24	1	0	2	21.19		
		256QAM	25	0	50	0	75	20.05		
			1	0	1	49	2	16.86		
			1	24	1	0	2	20.10		
		20528		QPSK	25	0	50	0	75	23.17
					1	0	1	49	2	16.72
1	24				1	0	2	24.21		
	16QAM		25	0	50	0	75	22.15		
			1	0	1	49	2	16.75		
			1	24	1	0	2	23.66		
	64QAM		25	0	50	0	75	20.70		
			1	0	1	49	2	16.73		
			1	24	1	0	2	21.14		
	256QAM		25	0	50	0	75	19.97		
			1	0	1	49	2	16.80		
			1	24	1	0	2	20.11		
Combination 5MHz+3MHz (25RB+156RB)										
PCC Channel	SCC Channel		Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	
				RB Size	RB offset	RB Size	RB offset			
20425	20464	QPSK	25	0	15	0	40	23.02		
			1	0	1	14	2	16.59		
			1	24	1	0	2	24.08		
		16QAM	25	0	15	0	40	22.12		
			1	0	1	14	2	16.64		
			1	24	1	0	2	23.58		
		64QAM	25	0	15	0	40	20.62		
			1	0	1	14	2	16.52		
			1	24	1	0	2	21.13		
		256QAM	25	0	15	0	40	19.90		
			1	0	1	14	2	16.62		
			1	24	1	0	2	20.01		
20510	20549	QPSK	25	0	15	0	40	23.03		
			1	0	1	14	2	16.67		
			1	24	1	0	2	24.03		
		16QAM	25	0	15	0	40	22.14		
			1	0	1	14	2	16.65		
			1	24	1	0	2	23.52		
		64QAM	25	0	15	0	40	20.72		
			1	0	1	14	2	16.55		
			1	24	1	0	2	21.07		
		256QAM	25	0	15	0	40	19.97		
			1	0	1	14	2	16.76		
			1	24	1	0	2	19.99		
20595	20634	QPSK	25	0	15	0	40	23.05		
			1	0	1	14	2	16.62		
			1	24	1	0	2	24.06		
		16QAM	25	0	15	0	40	22.00		



			1	0	1	14	2	16.65	
			1	24	1	0	2	23.61	
			64QAM	25	0	15	0	40	20.56
				1	0	1	14	2	16.65
		256QAM	1	24	1	0	2	21.03	
			25	0	15	0	40	19.90	
			1	0	1	14	2	16.75	
			1	24	1	0	2	19.98	
Combination 3MHz+5MHz (15RB+25RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
20416	20455	QPSK	15	0	25	0	40	23.03	
			1	0	1	24	2	16.58	
			1	14	1	0	2	24.09	
		16QAM	15	0	25	0	40	22.17	
			1	0	1	24	2	16.60	
			1	14	1	0	2	23.52	
		64QAM	15	0	25	0	40	20.58	
			1	0	1	24	2	16.53	
			1	14	1	0	2	21.10	
		256QAM	15	0	25	0	40	19.99	
			1	0	1	24	2	16.69	
			1	14	1	0	2	20.02	
20501	20540	QPSK	15	0	25	0	40	23.04	
			1	0	1	24	2	16.59	
			1	14	1	0	2	24.01	
		16QAM	15	0	25	0	40	22.07	
			1	0	1	24	2	16.64	
			1	14	1	0	2	23.46	
		64QAM	15	0	25	0	40	20.69	
			1	0	1	24	2	16.57	
			1	14	1	0	2	21.06	
		256QAM	15	0	25	0	40	19.89	
			1	0	1	24	2	16.72	
			1	14	1	0	2	19.96	
20586	20625	QPSK	15	0	25	0	40	23.09	
			1	0	1	24	2	16.67	
			1	14	1	0	2	24.15	
		16QAM	15	0	25	0	40	22.10	
			1	0	1	24	2	16.69	
			1	14	1	0	2	23.51	
		64QAM	15	0	25	0	40	20.64	
			1	0	1	24	2	16.67	
			1	14	1	0	2	21.09	
		256QAM	15	0	25	0	40	19.84	
			1	0	1	24	2	16.72	
			1	14	1	0	2	20.03	



LTE Band 66B_Ant.1:

CA_66B_Ant 1								
Combination 10MHz+10MHz (50RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132022	132121	QPSK	50	0	50	0	100	22.53
			1	0	1	49	2	16.31
			1	49	1	0	2	23.73
		16QAM	50	0	50	0	100	21.72
			1	0	1	49	2	16.30
			1	49	1	0	2	23.35
		64QAM	50	0	50	0	100	21.62
			1	0	1	49	2	16.35
			1	49	1	0	2	21.48
		256QAM	50	0	50	0	100	19.68
			1	0	1	49	2	16.23
			1	49	1	0	2	19.85
132373	132472	QPSK	50	0	50	0	100	22.38
			1	0	1	49	2	16.17
			1	49	1	0	2	23.62
		16QAM	50	0	50	0	100	21.65
			1	0	1	49	2	16.23
			1	49	1	0	2	23.22
		64QAM	50	0	50	0	100	21.46
			1	0	1	49	2	16.22
			1	49	1	0	2	21.37
		256QAM	50	0	50	0	100	19.53
			1	0	1	49	2	16.07
			1	49	1	0	2	19.73
132523	132622	QPSK	50	0	50	0	100	22.41
			1	0	1	49	2	16.23
			1	49	1	0	2	23.67
		16QAM	50	0	50	0	100	21.64
			1	0	1	49	2	16.21
			1	49	1	0	2	23.25
		64QAM	50	0	50	0	100	21.56
			1	0	1	49	2	16.27
			1	49	1	0	2	21.40
		256QAM	50	0	50	0	100	19.52
			1	0	1	49	2	16.15
			1	49	1	0	2	19.74



Combination 15MHz+5MHz (75RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132140	QPSK	75	0	25	0	100	22.48
			1	0	1	24	2	16.19
			1	74	1	0	2	23.68
		16QAM	75	0	25	0	100	21.63
			1	0	1	24	2	16.18
			1	74	1	0	2	23.27
		64QAM	75	0	25	0	100	21.55
			1	0	1	24	2	16.24
			1	74	1	0	2	21.41
		256QAM	75	0	25	0	100	19.55
			1	0	1	24	2	16.18
			1	74	1	0	2	19.71
132398	132491	QPSK	75	0	25	0	100	22.47
			1	0	1	24	2	16.26
			1	74	1	0	2	23.59
		16QAM	75	0	25	0	100	21.66
			1	0	1	24	2	16.19
			1	74	1	0	2	23.25
		64QAM	75	0	25	0	100	21.51
			1	0	1	24	2	16.21
			1	74	1	0	2	21.39
		256QAM	75	0	25	0	100	19.63
			1	0	1	24	2	16.12
			1	74	1	0	2	19.70
132549	132642	QPSK	75	0	25	0	100	22.43
			1	0	1	24	2	16.23
			1	74	1	0	2	23.68
		16QAM	75	0	25	0	100	21.56
			1	0	1	24	2	16.24
			1	74	1	0	2	23.29
		64QAM	75	0	25	0	100	21.52
			1	0	1	24	2	16.25
			1	74	1	0	2	21.36
		256QAM	75	0	25	0	100	19.57
			1	0	1	24	2	16.13
			1	74	1	0	2	19.71
Combination 5MHz+15MHz (25RB+75RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132002	132095	QPSK	25	0	75	0	100	22.47
			1	0	1	74	2	16.19
			1	24	1	0	2	23.62
		16QAM	25	0	75	0	100	21.58
			1	0	1	74	2	16.23
			1	24	1	0	2	23.19
		64QAM	25	0	75	0	100	21.54
			1	0	1	74	2	16.27
			1	24	1	0	2	23.19



		256QAM	1	24	1	0	2	21.39
			25	0	75	0	100	19.58
			1	0	1	74	2	16.16
			1	24	1	0	2	19.80
132353	132446	QPSK	25	0	75	0	100	22.44
			1	0	1	74	2	16.21
			1	24	1	0	2	23.63
		16QAM	25	0	75	0	100	21.56
			1	0	1	74	2	16.20
			1	24	1	0	2	23.25
		64QAM	25	0	75	0	100	21.48
			1	0	1	74	2	16.22
			1	24	1	0	2	21.34
		256QAM	25	0	75	0	100	19.54
			1	0	1	74	2	16.14
			1	24	1	0	2	19.73
132504	132597	QPSK	25	0	75	0	100	22.40
			1	0	1	74	2	16.16
			1	24	1	0	2	23.64
		16QAM	25	0	75	0	100	21.59
			1	0	1	74	2	16.20
			1	24	1	0	2	23.28
		64QAM	25	0	75	0	100	21.52
			1	0	1	74	2	16.26
			1	24	1	0	2	21.35
		256QAM	25	0	75	0	100	19.53
			1	0	1	74	2	16.09
			1	24	1	0	2	19.80
Combination 10MHz+5MHz (50RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132022	132094	QPSK	50	0	25	0	75	22.44
			1	0	1	24	2	16.25
			1	49	1	0	2	23.66
		16QAM	50	0	25	0	75	21.58
			1	0	1	24	2	16.21
			1	49	1	0	2	23.24
		64QAM	50	0	25	0	75	21.51
			1	0	1	24	2	16.22
			1	49	1	0	2	21.34
		256QAM	50	0	25	0	75	19.62
			1	0	1	24	2	16.16
			1	49	1	0	2	19.74
132397	132469	QPSK	50	0	25	0	75	22.37
			1	0	1	24	2	16.22
			1	49	1	0	2	23.64
		16QAM	50	0	25	0	75	21.64
			1	0	1	24	2	16.18
			1	49	1	0	2	23.20
		64QAM	50	0	25	0	75	21.49



		256QAM	1	0	1	24	2	16.24
			1	49	1	0	2	21.43
			50	0	25	0	75	19.52
			1	0	1	24	2	16.13
			1	49	1	0	2	19.70
132572	132644	QPSK	50	0	25	0	75	22.38
			1	0	1	24	2	16.26
			1	49	1	0	2	23.68
		16QAM	50	0	25	0	75	21.57
			1	0	1	24	2	16.24
			1	49	1	0	2	23.27
		64QAM	50	0	25	0	75	21.55
			1	0	1	24	2	16.29
			1	49	1	0	2	21.42
		256QAM	50	0	25	0	75	19.61
			1	0	1	24	2	16.12
			1	49	1	0	2	19.80
Combination 5MHz+10MHz (25RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132000	132072	QPSK	25	0	50	0	75	22.44
			1	0	1	49	2	16.23
			1	24	1	0	2	23.57
		16QAM	25	0	50	0	75	21.56
			1	0	1	49	2	16.24
			1	24	1	0	2	23.24
		64QAM	25	0	50	0	75	21.53
			1	0	1	49	2	16.30
			1	24	1	0	2	21.35
		256QAM	25	0	50	0	75	19.63
			1	0	1	49	2	16.16
			1	24	1	0	2	19.70
132375	132447	QPSK	25	0	50	0	75	22.46
			1	0	1	49	2	16.25
			1	24	1	0	2	23.60
		16QAM	25	0	50	0	75	21.58
			1	0	1	49	2	16.17
			1	24	1	0	2	23.26
		64QAM	25	0	50	0	75	21.55
			1	0	1	49	2	16.21
			1	24	1	0	2	21.32
		256QAM	25	0	50	0	75	19.62
			1	0	1	49	2	16.10
			1	24	1	0	2	19.71
132550	132622	QPSK	25	0	50	0	75	22.46
			1	0	1	49	2	16.26
			1	24	1	0	2	23.67
		16QAM	25	0	50	0	75	21.67
			1	0	1	49	2	16.25
			1	24	1	0	2	23.21



		64QAM	25	0	50	0	75	21.48
			1	0	1	49	2	16.21
			1	24	1	0	2	21.35
		256QAM	25	0	50	0	75	19.55
			1	0	1	49	2	16.15
			1	24	1	0	2	19.69
Combination 5MHz+5MHz (25RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
131997	132045	QPSK	25	0	25	0	50	22.46
			1	0	1	24	2	16.19
			1	24	1	0	2	23.61
		16QAM	25	0	25	0	50	21.67
			1	0	1	24	2	16.22
			1	24	1	0	2	23.22
		64QAM	25	0	25	0	50	21.55
			1	0	1	24	2	16.27
			1	24	1	0	2	21.33
		256QAM	25	0	25	0	50	19.53
			1	0	1	24	2	16.08
			1	24	1	0	2	19.75
132398	132446	QPSK	25	0	25	0	50	22.41
			1	0	1	24	2	16.24
			1	24	1	0	2	23.63
		16QAM	25	0	25	0	50	21.56
			1	0	1	24	2	16.24
			1	24	1	0	2	23.26
		64QAM	25	0	25	0	50	21.52
			1	0	1	24	2	16.19
			1	24	1	0	2	21.40
		256QAM	25	0	25	0	50	19.61
			1	0	1	24	2	16.16
			1	24	1	0	2	19.80
132599	132647	QPSK	25	0	25	0	50	22.48
			1	0	1	24	2	16.26
			1	24	1	0	2	23.58
		16QAM	25	0	25	0	50	21.65
			1	0	1	24	2	16.18
			1	24	1	0	2	23.30
		64QAM	25	0	25	0	50	21.46
			1	0	1	24	2	16.20
			1	24	1	0	2	21.34
		256QAM	25	0	25	0	50	19.60
			1	0	1	24	2	16.12
			1	24	1	0	2	19.77



LTE Band 66C_Ant.1:

CA_66C_Ant 1								
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		
132072	132270	QPSK	100	0	100	0	200	22.61
			1	0	1	99	2	16.36
			1	99	1	0	2	23.78
		16QAM	100	0	100	0	200	21.76
			1	0	1	99	2	16.31
			1	99	1	0	2	23.33
		64QAM	100	0	100	0	200	21.63
			1	0	1	99	2	16.33
			1	99	1	0	2	21.50
		256QAM	100	0	100	0	200	19.72
			1	0	1	99	2	16.26
			1	99	1	0	2	19.86
132323	132521	QPSK	100	0	100	0	200	22.58
			1	0	1	99	2	16.33
			1	99	1	0	2	23.73
		16QAM	100	0	100	0	200	21.73
			1	0	1	99	2	16.30
			1	99	1	0	2	23.30
		64QAM	100	0	100	0	200	21.65
			1	0	1	99	2	16.31
			1	99	1	0	2	21.51
		256QAM	100	0	100	0	200	19.77
			1	0	1	99	2	16.23
			1	99	1	0	2	19.75
132374	132572	QPSK	100	0	100	0	200	22.56
			1	0	1	99	2	16.38
			1	99	1	0	2	23.72
		16QAM	100	0	100	0	200	21.77
			1	0	1	99	2	16.33
			1	99	1	0	2	23.31
		64QAM	100	0	100	0	200	21.65
			1	0	1	99	2	16.30
			1	99	1	0	2	21.46
		256QAM	100	0	100	0	200	19.75
			1	0	1	99	2	16.28
			1	99	1	0	2	19.85



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		
132072	132243	QPSK	100	0	75	0	175	22.45
			1	0	1	74	2	16.25
			1	99	1	0	2	23.69
		16QAM	100	0	75	0	175	21.65
			1	0	1	74	2	16.24
			1	99	1	0	2	23.24
		64QAM	100	0	75	0	175	21.47
			1	0	1	74	2	16.28
			1	99	1	0	2	21.38
		256QAM	100	0	75	0	175	19.65
			1	0	1	74	2	16.13
			1	99	1	0	2	19.78
132348	132519	QPSK	100	0	75	0	175	22.53
			1	0	1	74	2	16.23
			1	99	1	0	2	23.65
		16QAM	100	0	75	0	175	21.65
			1	0	1	74	2	16.21
			1	99	1	0	2	23.27
		64QAM	100	0	75	0	175	21.58
			1	0	1	74	2	16.21
			1	99	1	0	2	21.37
		256QAM	100	0	75	0	175	19.65
			1	0	1	74	2	16.12
			1	99	1	0	2	19.70
132423	132594	QPSK	100	0	75	0	175	22.48
			1	0	1	74	2	16.30
			1	99	1	0	2	23.63
		16QAM	100	0	75	0	175	21.64
			1	0	1	74	2	16.16
			1	99	1	0	2	23.21
		64QAM	100	0	75	0	175	21.56
			1	0	1	74	2	16.19
			1	99	1	0	2	21.42
		256QAM	100	0	75	0	175	19.59
			1	0	1	74	2	16.21
			1	99	1	0	2	19.80
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		
132050	132221	QPSK	75	0	100	0	175	22.52
			1	0	1	99	2	16.25
			1	74	1	0	2	23.72
		16QAM	75	0	100	0	175	21.65
			1	0	1	99	2	16.15
			1	74	1	0	2	23.28
		64QAM	75	0	100	0	175	21.49
			1	0	1	99	2	16.17
			1	74	1	0	2	21.40
		256QAM	75	0	100	0	175	19.61
			1	0	1	99	2	16.11
			1	74	1	0	2	19.76
132325	132496	QPSK	75	0	100	0	175	22.48



			1	0	1	99	2	16.28	
			1	74	1	0	2	23.62	
			16QAM	75	0	100	0	175	21.62
				1	0	1	99	2	16.21
			1	1	74	1	0	2	23.22
				75	0	100	0	175	21.55
			64QAM	1	0	1	99	2	16.26
				1	74	1	0	2	21.36
			256QAM	75	0	100	0	175	19.62
				1	0	1	99	2	16.17
				1	74	1	0	2	19.79
132401	132572	QPSK	75	0	100	0	175	22.55	
			1	0	1	99	2	16.21	
			1	74	1	0	2	23.70	
		16QAM	75	0	100	0	175	21.71	
			1	0	1	99	2	16.26	
			1	74	1	0	2	23.28	
		64QAM	75	0	100	0	175	21.52	
			1	0	1	99	2	16.18	
			1	74	1	0	2	21.40	
		256QAM	75	0	100	0	175	19.58	
			1	0	1	99	2	16.19	
			1	74	1	0	2	19.81	
Combination 20MHz+10MHz (100RB+50RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	
			RB Size	RB offset	RB Size	RB offset			
132072	132216	QPSK	100	0	75	0	175	22.49	
			1	0	1	74	2	16.21	
			1	99	1	0	2	23.73	
		16QAM	100	0	75	0	175	21.70	
			1	0	1	74	2	16.20	
			1	99	1	0	2	23.17	
		64QAM	100	0	75	0	175	21.51	
			1	0	1	74	2	16.24	
			1	99	1	0	2	21.36	
		256QAM	100	0	75	0	175	19.62	
			1	0	1	74	2	16.21	
			1	99	1	0	2	19.76	
132373	132517	QPSK	100	0	75	0	175	22.54	
			1	0	1	74	2	16.31	
			1	99	1	0	2	23.66	
		16QAM	100	0	75	0	175	21.67	
			1	0	1	74	2	16.24	
			1	99	1	0	2	23.26	
		64QAM	100	0	75	0	175	21.58	
			1	0	1	74	2	16.20	
			1	99	1	0	2	21.39	
		256QAM	100	0	75	0	175	19.67	
			1	0	1	74	2	16.11	
			1	99	1	0	2	19.78	
132473	132617	QPSK	100	0	75	0	175	22.50	
			1	0	1	74	2	16.27	
			1	99	1	0	2	23.69	
		16QAM	100	0	75	0	175	21.66	
			1	0	1	74	2	16.15	



			1	99	1	0	2	23.18
		64QAM	100	0	75	0	175	21.57
			1	0	1	74	2	16.27
			1	99	1	0	2	21.38
		256QAM	100	0	75	0	175	19.56
			1	0	1	74	2	16.14
			1	99	1	0	2	19.72
Combination 10MHz+20MHz (50RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132027	132171	QPSK	50	0	100	0	150	22.50
			1	0	1	99	2	16.26
			1	49	1	0	2	23.72
		16QAM	50	0	100	0	150	21.66
			1	0	1	99	2	16.18
			1	49	1	0	2	23.18
		64QAM	50	0	100	0	150	21.56
			1	0	1	99	2	16.23
			1	49	1	0	2	21.39
		256QAM	50	0	100	0	150	19.59
			1	0	1	99	2	16.14
			1	49	1	0	2	19.70
132328	132472	QPSK	50	0	100	0	150	22.53
			1	0	1	99	2	16.27
			1	49	1	0	2	23.65
		16QAM	50	0	100	0	150	21.70
			1	0	1	99	2	16.24
			1	49	1	0	2	23.28
		64QAM	50	0	100	0	150	21.47
			1	0	1	99	2	16.19
			1	49	1	0	2	21.44
		256QAM	50	0	100	0	150	19.58
			1	0	1	99	2	16.20
			1	49	1	0	2	19.73
132428	132572	QPSK	50	0	100	0	150	22.52
			1	0	1	99	2	16.25
			1	49	1	0	2	23.67
		16QAM	50	0	100	0	150	21.64
			1	0	1	99	2	16.21
			1	49	1	0	2	23.21
		64QAM	50	0	100	0	150	21.47
			1	0	1	99	2	16.26
			1	49	1	0	2	21.40
		256QAM	50	0	100	0	150	19.57
			1	0	1	99	2	16.13
			1	49	1	0	2	19.77
Combination 20MHz+5MHz (100RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132072	132189	QPSK	100	0	25	0	125	22.47
			1	0	1	24	2	16.22
			1	99	1	0	2	23.65
		16QAM	100	0	25	0	125	21.70
			1	0	1	24	2	16.19
			1	99	1	0	2	23.19



		64QAM	100	0	25	0	125	21.48
			1	0	1	24	2	16.17
			1	99	1	0	2	21.42
		256QAM	100	0	25	0	125	19.60
			1	0	1	24	2	16.18
			1	99	1	0	2	19.71
132397	132514	QPSK	100	0	25	0	125	22.52
			1	0	1	24	2	16.25
			1	99	1	0	2	23.73
		16QAM	100	0	25	0	125	21.69
			1	0	1	24	2	16.22
			1	99	1	0	2	23.20
		64QAM	100	0	25	0	125	21.53
			1	0	1	24	2	16.25
			1	99	1	0	2	21.41
		256QAM	100	0	25	0	125	19.63
			1	0	1	24	2	16.16
			1	99	1	0	2	19.77
132522	132639	QPSK	100	0	25	0	125	22.50
			1	0	1	24	2	16.23
			1	99	1	0	2	23.66
		16QAM	100	0	25	0	125	21.64
			1	0	1	24	2	16.20
			1	99	1	0	2	23.19
		64QAM	100	0	25	0	125	21.47
			1	0	1	24	2	16.20
			1	99	1	0	2	21.42
		256QAM	100	0	25	0	125	19.61
			1	0	1	24	2	16.20
			1	99	1	0	2	19.80
Combination 5MHz+20MHz (25RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132005	132122	QPSK	25	0	100	0	125	22.50
			1	0	1	99	2	16.27
			1	24	1	0	2	23.67
		16QAM	25	0	100	0	125	21.60
			1	0	1	99	2	16.25
			1	24	1	0	2	23.27
		64QAM	25	0	100	0	125	21.49
			1	0	1	99	2	16.23
			1	24	1	0	2	21.37
		256QAM	25	0	100	0	125	19.60
			1	0	1	99	2	16.16
			1	24	1	0	2	19.80
132330	132447	QPSK	25	0	100	0	125	22.50
			1	0	1	99	2	16.24
			1	24	1	0	2	23.73
		16QAM	25	0	100	0	125	21.62
			1	0	1	99	2	16.22
			1	24	1	0	2	23.23
		64QAM	25	0	100	0	125	21.57
			1	0	1	99	2	16.18
			1	24	1	0	2	21.40
		256QAM	25	0	100	0	125	19.62



132455	132572	QPSK	1	0	1	99	2	16.19
			1	24	1	0	2	19.71
			25	0	100	0	125	22.47
		16QAM	1	0	1	99	2	16.28
			1	24	1	0	2	23.68
			25	0	100	0	125	21.66
		64QAM	1	0	1	99	2	16.22
			1	24	1	0	2	23.23
			25	0	100	0	125	21.49
256QAM	1	0	1	99	2	16.26		
	1	24	1	0	2	21.43		
	25	0	100	0	125	19.56		
			1	0	1	99	2	16.14
			1	24	1	0	2	19.81
Combination 15MHz+10MHz (75RB+50RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132167	QPSK	75	0	50	0	125	22.53
			1	0	1	49	2	16.21
			1	74	1	0	2	23.72
		16QAM	75	0	50	0	125	21.65
			1	0	1	49	2	16.23
			1	74	1	0	2	23.26
		64QAM	75	0	50	0	125	21.50
			1	0	1	49	2	16.23
			1	74	1	0	2	21.35
		256QAM	75	0	50	0	125	19.66
			1	0	1	49	2	16.11
			1	74	1	0	2	19.70
132373	132473	QPSK	75	0	50	0	125	22.48
			1	0	1	49	2	16.22
			1	74	1	0	2	23.62
		16QAM	75	0	50	0	125	21.69
			1	0	1	49	2	16.21
			1	74	1	0	2	23.19
		64QAM	75	0	50	0	125	21.51
			1	0	1	49	2	16.20
			1	74	1	0	2	21.35
		256QAM	75	0	50	0	125	19.65
			1	0	1	49	2	16.11
			1	74	1	0	2	19.71
132499	132619	QPSK	75	0	50	0	125	22.51
			1	0	1	49	2	16.30
			1	74	1	0	2	23.63
		16QAM	75	0	50	0	125	21.71
			1	0	1	49	2	16.21
			1	74	1	0	2	23.17
		64QAM	75	0	50	0	125	21.49
			1	0	1	49	2	16.20
			1	74	1	0	2	21.45
		256QAM	75	0	50	0	125	19.59
			1	0	1	49	2	16.18
			1	74	1	0	2	19.75
Combination 10MHz+15MHz (50RB+75RB)								
PCC	SCC	Modulation	PCC		SCC		Total RB Size	Measured



Channel	Channel		RB Size	RB offset	RB Size	RB offset		
132025	132145	QPSK	50	0	75	0	125	22.56
			1	0	1	74	2	16.20
			1	49	1	0	2	23.68
		16QAM	50	0	75	0	125	21.67
			1	0	1	74	2	16.17
			1	49	1	0	2	23.26
		64QAM	50	0	75	0	125	21.49
			1	0	1	74	2	16.27
			1	49	1	0	2	21.34
		256QAM	50	0	75	0	125	19.62
			1	0	1	74	2	16.15
			1	49	1	0	2	19.70
132351	132471	QPSK	50	0	75	0	125	22.45
			1	0	1	74	2	16.26
			1	49	1	0	2	23.67
		16QAM	50	0	75	0	125	21.60
			1	0	1	74	2	16.26
			1	49	1	0	2	23.24
		64QAM	50	0	75	0	125	21.49
			1	0	1	74	2	16.28
			1	49	1	0	2	21.42
		256QAM	50	0	75	0	125	19.66
			1	0	1	74	2	16.17
			1	49	1	0	2	19.72
132477	132597	QPSK	50	0	75	0	125	22.45
			1	0	1	74	2	16.21
			1	49	1	0	2	23.73
		16QAM	50	0	75	0	125	21.67
			1	0	1	74	2	16.16
			1	49	1	0	2	23.26
		64QAM	50	0	75	0	125	21.48
			1	0	1	74	2	16.22
			1	49	1	0	2	21.36
		256QAM	50	0	75	0	125	19.67
			1	0	1	74	2	16.21
			1	49	1	0	2	19.74
Combination 15MHz+15MHz (75RB+75RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
132047	132197	QPSK	75	0	75	0	150	22.45
			1	0	1	74	2	16.22
			1	74	1	0	2	23.68
		16QAM	75	0	75	0	150	21.65
			1	0	1	74	2	16.24
			1	74	1	0	2	23.18
		64QAM	75	0	75	0	150	21.52
			1	0	1	74	2	16.21
			1	74	1	0	2	21.38
		256QAM	75	0	75	0	150	19.67
			1	0	1	74	2	16.20
			1	74	1	0	2	19.75
132347	132497	QPSK	75	0	75	0	150	22.50
			1	0	1	74	2	16.25
			1	74	1	0	2	23.63



		16QAM	75	0	75	0	150	21.60
			1	0	1	74	2	16.26
			1	74	1	0	2	23.23
		64QAM	75	0	75	0	150	21.51
			1	0	1	74	2	16.24
			1	74	1	0	2	21.41
		256QAM	75	0	75	0	150	19.59
			1	0	1	74	2	16.11
			1	74	1	0	2	19.78
132447	132597	QPSK	75	0	75	0	150	22.46
			1	0	1	74	2	16.31
			1	74	1	0	2	23.69
		16QAM	75	0	75	0	150	21.66
			1	0	1	74	2	16.16
			1	74	1	0	2	23.27
		64QAM	75	0	75	0	150	21.52
			1	0	1	74	2	16.28
			1	74	1	0	2	21.39
		256QAM	75	0	75	0	150	19.63
			1	0	1	74	2	16.12
			1	74	1	0	2	19.72

**ERP/EIRP**

LTE Band 2 (GT - LC = -1.10 dB) QPSK									
Bandwidth	1.4M			3M			5M		
Channel	18607	18900	19193	18615	18900	19185	18625	18900	19175
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	1850.7	1880	1909.3	1851.5	1880	1908.5	1852.5	1880	1907.5
(MHz)									
Conducted Power (dBm)	23.37	23.43	23.48	23.37	23.40	23.48	23.36	23.46	23.33
Conducted Power (Watts)	0.2173	0.2203	0.2228	0.2173	0.2188	0.2228	0.2168	0.2218	0.2153
EIRP(dBm)	22.27	22.33	22.38	22.27	22.30	22.38	22.26	22.36	22.23
EIRP(Watts)	0.1687	0.1710	0.1730	0.1687	0.1698	0.1730	0.1683	0.1722	0.1671

LTE Band 2 (GT - LC = -1.10 dB) QPSK									
Bandwidth	10M			15M			20M		
Channel	18650	18900	19150	18675	18900	19125	18650	18900	19100
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	1855	1880	1905	1857.5	1880	1902.5	1860	1880	1900
(MHz)									
Conducted Power (dBm)	23.37	23.44	23.42	23.35	23.44	23.41	23.49	23.50	23.49
Conducted Power (Watts)	0.2173	0.2208	0.2198	0.2163	0.2208	0.2193	0.2234	0.2239	0.2234
EIRP(dBm)	22.27	22.34	22.32	22.25	22.34	22.31	22.39	22.40	22.39
EIRP(Watts)	0.1687	0.1714	0.1706	0.1679	0.1714	0.1702	0.1734	0.1738	0.1734



LTE Band 2 (GT - LC = -1.10 dB) 16QAM									
Bandwidth	1.4M			3M			5M		
Channel	18607	18900	19193	18615	18900	19185	18625	18900	19175
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	1850.7	1880	1909.3	1851.5	1880	1908.5	1852.5	1880	1907.5
(MHz)									
Conducted Power (dBm)	22.78	22.78	22.86	22.69	22.82	22.86	22.71	22.76	22.90
Conducted Power (Watts)	0.1897	0.1897	0.1932	0.1858	0.1914	0.1932	0.1866	0.1888	0.1950
EIRP(dBm)	21.68	21.68	21.76	21.59	21.72	21.76	21.61	21.66	21.80
EIRP(Watts)	0.1472	0.1472	0.1500	0.1442	0.1486	0.1500	0.1449	0.1466	0.1514

LTE Band 2 (GT - LC = -1.10 dB) 16QAM									
Bandwidth	10M			15M			20M		
Channel	18650	18900	19150	18675	18900	19125	18650	18900	19100
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	1855	1880	1905	1857.5	1880	1902.5	1860	1880	1900
(MHz)									
Conducted Power (dBm)	22.69	22.88	22.83	22.74	22.80	22.74	22.72	22.89	22.79
Conducted Power (Watts)	0.1858	0.1941	0.1919	0.1879	0.1905	0.1879	0.1871	0.1945	0.1901
EIRP(dBm)	21.59	21.78	21.73	21.64	21.70	21.64	21.62	21.79	21.69
EIRP(Watts)	0.1442	0.1507	0.1489	0.1459	0.1479	0.1459	0.1452	0.1510	0.1476



LTE Band 2 (GT - LC = -1.10 dB) 64QAM									
Bandwidth	1.4M			3M			5M		
Channel	18607	18900	19193	18615	18900	19185	18625	18900	19175
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	1850.7	1880	1909.3	1851.5	1880	1908.5	1852.5	1880	1907.5
(MHz)									
Conducted Power (dBm)	21.64	21.68	21.85	21.53	21.74	21.79	21.57	21.64	21.78
Conducted Power (Watts)	0.1459	0.1472	0.1531	0.1422	0.1493	0.1510	0.1435	0.1459	0.1507
EIRP(dBm)	20.54	20.58	20.75	20.43	20.64	20.69	20.47	20.54	20.68
EIRP(Watts)	0.1132	0.1143	0.1189	0.1104	0.1159	0.1172	0.1114	0.1132	0.1169

LTE Band 2 (GT - LC = -1.10 dB) 64QAM									
Bandwidth	10M			15M			20M		
Channel	18650	18900	19150	18675	18900	19125	18650	18900	19100
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	1855	1880	1905	1857.5	1880	1902.5	1860	1880	1900
(MHz)									
Conducted Power (dBm)	21.56	21.75	21.74	21.58	21.75	21.66	21.71	21.78	21.62
Conducted Power (Watts)	0.1432	0.1496	0.1493	0.1439	0.1496	0.1466	0.1483	0.1507	0.1452
EIRP(dBm)	20.46	20.65	20.64	20.48	20.65	20.56	20.61	20.68	20.52
EIRP(Watts)	0.1112	0.1161	0.1159	0.1117	0.1161	0.1138	0.1151	0.1169	0.1127



LTE Band 2 (GT - LC = -1.10 dB) 256QAM									
Bandwidth	1.4M			3M			5M		
Channel	18607	18900	19193	18615	18900	19185	18625	18900	19175
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	1850.7	1880	1909.3	1851.5	1880	1908.5	1852.5	1880	1907.5
(MHz)									
Conducted Power (dBm)	18.71	18.75	18.67	18.70	18.72	18.66	18.73	18.73	18.69
Conducted Power (Watts)	0.0743	0.0750	0.0736	0.0741	0.0745	0.0735	0.0746	0.0746	0.0740
EIRP(dBm)	17.61	17.65	17.57	17.60	17.62	17.56	17.63	17.63	17.59
EIRP(Watts)	0.0577	0.0582	0.0571	0.0575	0.0578	0.0570	0.0579	0.0579	0.0574

LTE Band 2 (GT - LC = -1.10 dB) 256QAM									
Bandwidth	10M			15M			20M		
Channel	18650	18900	19150	18675	18900	19125	18650	18900	19100
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	1855	1880	1905	1857.5	1880	1902.5	1860	1880	1900
(MHz)									
Conducted Power (dBm)	18.69	18.74	18.69	18.69	18.71	18.69	18.74	18.76	18.71
Conducted Power (Watts)	0.0740	0.0748	0.0740	0.0740	0.0743	0.0740	0.0748	0.0752	0.0743
EIRP(dBm)	17.59	17.64	17.59	17.59	17.61	17.59	17.64	17.66	17.61
EIRP(Watts)	0.0574	0.0581	0.0574	0.0574	0.0577	0.0574	0.0581	0.0583	0.0577



LTE Band 4 (GT - LC = -1.70 dB) QPSK									
Bandwidth	1.4M			3M			5M		
Channel	19957	20175	20393	19965	20175	20385	19975	20175	20375
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	1710.7	1732.5	1754.3	1711.5	1732.5	1753.5	1712.5	1732.5	1752.5
(MHz)									
Conducted Power (dBm)	23.57	23.64	23.48	23.60	23.61	23.53	23.61	23.63	23.50
Conducted Power (Watts)	0.2275	0.2312	0.2228	0.2291	0.2296	0.2254	0.2296	0.2307	0.2239
EIRP(dBm)	21.87	21.94	21.78	21.90	21.91	21.83	21.91	21.93	21.80
EIRP(Watts)	0.1538	0.1563	0.1507	0.1549	0.1552	0.1524	0.1552	0.1560	0.1514

LTE Band 4 (GT - LC = -1.70 dB) QPSK									
Bandwidth	10M			15M			20M		
Channel	20000	20175	20350	20025	20175	20325	20050	20175	20300
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	1715	1732.5	1750	1717.5	1732.5	1747.5	1720	1732.5	1745
(MHz)									
Conducted Power (dBm)	23.61	23.63	23.51	23.59	23.61	23.57	23.64	23.65	23.62
Conducted Power (Watts)	0.2296	0.2307	0.2244	0.2286	0.2296	0.2275	0.2312	0.2317	0.2301
EIRP(dBm)	21.91	21.93	21.81	21.89	21.91	21.87	21.94	21.95	21.92
EIRP(Watts)	0.1552	0.1560	0.1517	0.1545	0.1552	0.1538	0.1563	0.1567	0.1556



LTE Band 4 (GT - LC = -1.70 dB) 16QAM									
Bandwidth	1.4M			3M			5M		
Channel	19957	20175	20393	19965	20175	20385	19975	20175	20375
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	1710.7	1732.5	1754.3	1711.5	1732.5	1753.5	1712.5	1732.5	1752.5
(MHz)									
Conducted Power (dBm)	22.90	22.94	22.78	22.88	22.90	22.70	22.96	22.97	22.82
Conducted Power (Watts)	0.1950	0.1968	0.1897	0.1941	0.1950	0.1862	0.1977	0.1982	0.1914
EIRP(dBm)	21.20	21.24	21.08	21.18	21.20	21.00	21.26	21.27	21.12
EIRP(Watts)	0.1318	0.1330	0.1282	0.1312	0.1318	0.1259	0.1337	0.1340	0.1294

LTE Band 4 (GT - LC = -1.70 dB) 16QAM									
Bandwidth	10M			15M			20M		
Channel	20000	20175	20350	20025	20175	20325	20050	20175	20300
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	1715	1732.5	1750	1717.5	1732.5	1747.5	1720	1732.5	1745
(MHz)									
Conducted Power (dBm)	22.92	22.96	22.82	22.83	22.94	22.99	23.01	22.97	22.86
Conducted Power (Watts)	0.1959	0.1977	0.1914	0.1919	0.1968	0.1991	0.2000	0.1982	0.1932
EIRP(dBm)	21.22	21.26	21.12	21.13	21.24	21.29	21.31	21.27	21.16
EIRP(Watts)	0.1324	0.1337	0.1294	0.1297	0.1330	0.1346	0.1352	0.1340	0.1306



LTE Band 4 (GT - LC = -1.70 dB) 64QAM									
Bandwidth	1.4M			3M			5M		
Channel	19957	20175	20393	19965	20175	20385	19975	20175	20375
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	1710.7	1732.5	1754.3	1711.5	1732.5	1753.5	1712.5	1732.5	1752.5
(MHz)									
Conducted Power (dBm)	21.89	21.81	21.77	21.92	21.84	21.71	21.79	21.84	21.71
Conducted Power (Watts)	0.1545	0.1517	0.1503	0.1556	0.1528	0.1483	0.1510	0.1528	0.1483
EIRP(dBm)	20.19	20.11	20.07	20.22	20.14	20.01	20.09	20.14	20.01
EIRP(Watts)	0.1045	0.1026	0.1016	0.1052	0.1033	0.1002	0.1021	0.1033	0.1002

LTE Band 4 (GT - LC = -1.70 dB) 64QAM									
Bandwidth	10M			15M			20M		
Channel	20000	20175	20350	20025	20175	20325	20050	20175	20300
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	1715	1732.5	1750	1717.5	1732.5	1747.5	1720	1732.5	1745
(MHz)									
Conducted Power (dBm)	21.76	21.85	21.74	21.77	21.85	21.90	21.98	21.89	21.80
Conducted Power (Watts)	0.1500	0.1531	0.1493	0.1503	0.1531	0.1549	0.1578	0.1545	0.1514
EIRP(dBm)	20.06	20.15	20.04	20.07	20.15	20.20	20.28	20.19	20.10
EIRP(Watts)	0.1014	0.1035	0.1009	0.1016	0.1035	0.1047	0.1067	0.1045	0.1023



LTE Band 4 (GT - LC = -1.70 dB) 256QAM									
Bandwidth	1.4M			3M			5M		
Channel	19957	20175	20393	19965	20175	20385	19975	20175	20375
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	1710.7	1732.5	1754.3	1711.5	1732.5	1753.5	1712.5	1732.5	1752.5
(MHz)									
Conducted Power (dBm)	18.67	18.75	18.71	18.69	18.74	18.74	18.68	18.73	18.70
Conducted Power (Watts)	0.0736	0.0750	0.0743	0.0740	0.0748	0.0748	0.0738	0.0746	0.0741
EIRP(dBm)	16.97	17.05	17.01	16.99	17.04	17.04	16.98	17.03	17.00
EIRP(Watts)	0.0498	0.0507	0.0502	0.0500	0.0506	0.0506	0.0499	0.0505	0.0501

LTE Band 4 (GT - LC = -1.70 dB) 256QAM									
Bandwidth	10M			15M			20M		
Channel	20000	20175	20350	20025	20175	20325	20050	20175	20300
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	1715	1732.5	1750	1717.5	1732.5	1747.5	1720	1732.5	1745
(MHz)									
Conducted Power (dBm)	18.69	18.73	18.74	18.67	18.73	18.74	18.78	18.83	18.81
Conducted Power (Watts)	0.0740	0.0746	0.0748	0.0736	0.0746	0.0748	0.0755	0.0764	0.0760
EIRP(dBm)	16.99	17.03	17.04	16.97	17.03	17.04	17.08	17.13	17.11
EIRP(Watts)	0.0500	0.0505	0.0506	0.0498	0.0505	0.0506	0.0511	0.0516	0.0514

LTE Band 5 (GT - LC = -1.60 dB) QPSK									
Bandwidth	1.4M			3M			5M		
Channel	20407	20525	20643	20415	20525	20635	20425	20525	20625
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	824.7	836.5	848.3	825.5	836.5	847.5	826.5	836.5	846.5
(MHz)									
Conducted Power (dBm)	24.14	24.25	24.15	24.18	24.25	24.24	24.19	24.28	24.15
Conducted Power (Watts)	0.2594	0.2661	0.2600	0.2618	0.2661	0.2655	0.2624	0.2679	0.2600
ERP(dBm)	20.39	20.50	20.40	20.43	20.50	20.49	20.44	20.53	20.40
ERP(Watts)	0.1094	0.1122	0.1096	0.1104	0.1122	0.1119	0.1107	0.1130	0.1096

LTE Band 5 (GT - LC = -1.60 dB) QPSK			
Bandwidth	10M		
Channel	20450	20525	20600
	(Low)	(Mid)	(High)
Frequency	829	836.5	844
(MHz)			
Conducted Power (dBm)	24.22	24.31	24.22
Conducted Power (Watts)	0.2642	0.2698	0.2642
ERP(dBm)	20.47	20.56	20.47
ERP(Watts)	0.1114	0.1138	0.1114



LTE Band 5 (GT - LC = -1.60 dB) 16QAM									
Bandwidth	1.4M			3M			5M		
Channel	20407	20525	20643	20415	20525	20635	20425	20525	20625
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	824.7	836.5	848.3	825.5	836.5	847.5	826.5	836.5	846.5
(MHz)									
Conducted Power (dBm)	23.59	23.56	23.60	23.39	23.53	23.53	23.41	23.61	23.48
Conducted Power (Watts)	0.2286	0.2270	0.2291	0.2183	0.2254	0.2254	0.2193	0.2296	0.2228
ERP(dBm)	19.84	19.81	19.85	19.64	19.78	19.78	19.66	19.86	19.73
ERP(Watts)	0.0964	0.0957	0.0966	0.0920	0.0951	0.0951	0.0925	0.0968	0.0940

LTE Band 5 (GT - LC = -1.60 dB) 16QAM			
Bandwidth	10M		
Channel	20450	20525	20600
	(Low)	(Mid)	(High)
Frequency	829	836.5	844
(MHz)			
Conducted Power (dBm)	23.40	23.55	23.57
Conducted Power (Watts)	0.2188	0.2265	0.2275
ERP(dBm)	19.65	19.80	19.82
ERP(Watts)	0.0923	0.0955	0.0959

LTE Band 5 (GT - LC = -1.60 dB) 64QAM									
Bandwidth	1.4M			3M			5M		
Channel	20407	20525	20643	20415	20525	20635	20425	20525	20625
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	824.7	836.5	848.3	825.5	836.5	847.5	826.5	836.5	846.5
(MHz)									
Conducted Power (dBm)	22.48	22.56	22.45	22.41	22.48	22.46	22.38	22.49	22.41
Conducted Power (Watts)	0.1770	0.1803	0.1758	0.1742	0.1770	0.1762	0.1730	0.1774	0.1742
ERP(dBm)	18.73	18.81	18.70	18.66	18.73	18.71	18.63	18.74	18.66
ERP(Watts)	0.0746	0.0760	0.0741	0.0735	0.0746	0.0743	0.0729	0.0748	0.0735

LTE Band 5 (GT - LC = -1.60 dB) 64QAM			
Bandwidth	10M		
Channel	20450	20525	20600
	(Low)	(Mid)	(High)
Frequency	829	836.5	844
(MHz)			
Conducted Power (dBm)	22.37	22.55	22.39
Conducted Power (Watts)	0.1726	0.1799	0.1734
ERP(dBm)	18.62	18.80	18.64
ERP(Watts)	0.0728	0.0759	0.0731



LTE Band 5 (GT - LC = -1.60 dB) 256QAM									
Bandwidth	1.4M			3M			5M		
Channel	20407	20525	20643	20415	20525	20635	20425	20525	20625
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	824.7	836.5	848.3	825.5	836.5	847.5	826.5	836.5	846.5
(MHz)									
Conducted Power (dBm)	19.80	19.79	19.75	19.78	19.82	19.78	19.78	19.80	19.79
Conducted Power (Watts)	0.0955	0.0953	0.0944	0.0951	0.0959	0.0951	0.0951	0.0955	0.0953
ERP(dBm)	16.05	16.04	16.00	16.03	16.07	16.03	16.03	16.05	16.04
ERP(Watts)	0.0403	0.0402	0.0398	0.0401	0.0405	0.0401	0.0401	0.0403	0.0402

LTE Band 5 (GT - LC = -1.60 dB) 256QAM			
Bandwidth	10M		
Channel	20450	20525	20600
	(Low)	(Mid)	(High)
Frequency	829	836.5	844
(MHz)			
Conducted Power (dBm)	19.81	19.84	19.80
Conducted Power (Watts)	0.0957	0.0964	0.0955
ERP(dBm)	16.06	16.09	16.05
ERP(Watts)	0.0404	0.0406	0.0403



LTE Band 25 (GT - LC = -1.10 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	1850.7	1880	1914.3	1851.5	1880	1913.5	1852.5	1880	1912.5
(MHz)									
Conducted Power (dBm)	23.65	23.76	23.75	23.70	23.76	23.77	23.63	23.75	23.74
Conducted Power (Watts)	0.2317	0.2377	0.2371	0.2344	0.2377	0.2382	0.2307	0.2371	0.2366
EIRP(dBm)	22.55	22.66	22.65	22.60	22.66	22.67	22.53	22.65	22.64
EIRP(Watts)	0.1799	0.1845	0.1841	0.1820	0.1845	0.1849	0.1791	0.1841	0.1837

LTE Band 25 (GT - LC = -1.10 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	1855	1880	1910	1857.5	1880	1907.5	1860	1880	1905
(MHz)									
Conducted Power (dBm)	23.73	23.79	23.71	23.64	23.68	23.74	23.75	23.81	23.79
Conducted Power (Watts)	0.2360	0.2393	0.2350	0.2312	0.2333	0.2366	0.2371	0.2404	0.2393
EIRP(dBm)	22.63	22.69	22.61	22.54	22.58	22.64	22.65	22.71	22.69
EIRP(Watts)	0.1832	0.1858	0.1824	0.1795	0.1811	0.1837	0.1841	0.1866	0.1858



LTE Band 25 (GT - LC = -1.10 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	1850.7	1880	1914.3	1851.5	1880	1913.5	1852.5	1880	1912.5
(MHz)									
Conducted Power (dBm)	22.94	23.15	23.02	22.96	23.05	23.05	22.94	23.11	23.01
Conducted Power (Watts)	0.1968	0.2065	0.2004	0.1977	0.2018	0.2018	0.1968	0.2046	0.2000
EIRP(dBm)	21.84	22.05	21.92	21.86	21.95	21.95	21.84	22.01	21.91
EIRP(Watts)	0.1528	0.1603	0.1556	0.1535	0.1567	0.1567	0.1528	0.1589	0.1552

LTE Band 25 (GT - LC = -1.10 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	1855	1880	1910	1857.5	1880	1907.5	1860	1880	1905
(MHz)									
Conducted Power (dBm)	22.97	23.01	23.16	23.00	22.98	23.07	23.03	23.10	23.08
Conducted Power (Watts)	0.1982	0.2000	0.2070	0.1995	0.1986	0.2028	0.2009	0.2042	0.2032
EIRP(dBm)	21.87	21.91	22.06	21.90	21.88	21.97	21.93	22.00	21.98
EIRP(Watts)	0.1538	0.1552	0.1607	0.1549	0.1542	0.1574	0.1560	0.1585	0.1578



LTE Band 25 (GT - LC = -1.10 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	1850.7	1880	1914.3	1851.5	1880	1913.5	1852.5	1880	1912.5
(MHz)									
Conducted Power (dBm)	21.98	22.01	21.94	21.94	22.01	21.94	21.85	22.00	21.97
Conducted Power (Watts)	0.1578	0.1589	0.1563	0.1563	0.1589	0.1563	0.1531	0.1585	0.1574
EIRP(dBm)	20.88	20.91	20.84	20.84	20.91	20.84	20.75	20.90	20.87
EIRP(Watts)	0.1225	0.1233	0.1213	0.1213	0.1233	0.1213	0.1189	0.1230	0.1222

LTE Band 25 (GT - LC = -1.10 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	1855	1880	1910	1857.5	1880	1907.5	1860	1880	1905
(MHz)									
Conducted Power (dBm)	22.07	22.10	22.09	21.92	21.94	21.96	21.92	22.03	21.96
Conducted Power (Watts)	0.1611	0.1622	0.1618	0.1556	0.1563	0.1570	0.1556	0.1596	0.1570
EIRP(dBm)	20.97	21.00	20.99	20.82	20.84	20.86	20.82	20.93	20.86
EIRP(Watts)	0.1250	0.1259	0.1256	0.1208	0.1213	0.1219	0.1208	0.1239	0.1219



LTE Band 25 (GT - LC = -1.10 dB) 256QAM									
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	1850.7	1880	1914.3	1851.5	1880	1913.5	1852.5	1880	1912.5
(MHz)									
Conducted Power (dBm)	18.71	18.76	18.75	18.75	18.78	18.74	18.75	18.76	18.77
Conducted Power (Watts)	0.0743	0.0752	0.0750	0.0750	0.0755	0.0748	0.0750	0.0752	0.0753
EIRP(dBm)	17.61	17.66	17.65	17.65	17.68	17.64	17.65	17.66	17.67
EIRP(Watts)	0.0577	0.0583	0.0582	0.0582	0.0586	0.0581	0.0582	0.0583	0.0585

LTE Band 25 (GT - LC = -1.10 dB) 256QAM									
Bandwidth	10M			15M			20M		
Channel	26090	26340	26640	26115	26340	26615	26140	26340	26590
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	1855	1880	1910	1857.5	1880	1907.5	1860	1880	1905
(MHz)									
Conducted Power (dBm)	18.74	18.76	18.74	18.71	18.78	18.73	18.81	18.85	18.83
Conducted Power (Watts)	0.0748	0.0752	0.0748	0.0743	0.0755	0.0746	0.0760	0.0767	0.0764
EIRP(dBm)	17.64	17.66	17.64	17.61	17.68	17.63	17.71	17.75	17.73
EIRP(Watts)	0.0581	0.0583	0.0581	0.0577	0.0586	0.0579	0.0590	0.0596	0.0593



LTE Band 26 (GT - LC = -1.60 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	824.7	836.5	848.3	825.5	836.5	847.5	826.5	836.5	846.5
(MHz)									
Conducted Power (dBm)	24.40	24.40	24.07	24.41	24.42	24.45	24.42	24.41	24.44
Conducted Power (Watts)	0.2754	0.2754	0.2553	0.2761	0.2767	0.2786	0.2767	0.2761	0.2780
ERP(dBm)	20.65	20.65	20.32	20.66	20.67	20.70	20.67	20.66	20.69
ERP(Watts)	0.1161	0.1161	0.1076	0.1164	0.1167	0.1175	0.1167	0.1164	0.1172

LTE Band 26 (GT - LC = -1.60 dB) QPSK							
Bandwidth	10M			15M			15M
Channel	26840	26915	26990	26865	26915	26965	26790
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)
Frequency	829	836.5	844	831.5	836.5	841.5	821.5
(MHz)							
Conducted Power (dBm)	24.38	24.42	24.39	24.46	24.47	24.45	24.36
Conducted Power (Watts)	0.2742	0.2767	0.2748	0.2793	0.2799	0.2786	0.2729
ERP(dBm)	20.63	20.67	20.64	20.71	20.72	20.70	21.96
ERP(Watts)	0.1156	0.1167	0.1159	0.1178	0.1180	0.1175	0.1570



LTE Band 26 (GT - LC = -1.60 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	824.7	836.5	848.3	825.5	836.5	847.5	826.5	836.5	846.5
(MHz)									
Conducted Power (dBm)	23.72	23.73	23.54	23.74	23.72	23.86	23.75	23.77	23.74
Conducted Power (Watts)	0.2355	0.2360	0.2259	0.2366	0.2355	0.2432	0.2371	0.2382	0.2366
ERP(dBm)	19.97	19.98	19.79	19.99	19.97	20.11	20.00	20.02	19.99
ERP(Watts)	0.0993	0.0995	0.0953	0.0998	0.0993	0.1026	0.1000	0.1005	0.0998

LTE Band 26 (GT - LC = -1.60 dB) 16QAM							
Bandwidth	10M			15M			15M
Channel	26840	26915	26990	26865	26915	26965	26790
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)
Frequency	829	836.5	844	831.5	836.5	841.5	821.5
(MHz)							
Conducted Power (dBm)	23.58	23.67	23.77	23.69	23.59	23.77	23.64
Conducted Power (Watts)	0.2280	0.2328	0.2382	0.2339	0.2286	0.2382	0.2312
ERP(dBm)	19.83	19.92	20.02	19.94	19.84	20.02	21.24
ERP(Watts)	0.0962	0.0982	0.1005	0.0986	0.0964	0.1005	0.1330



LTE Band 26 (GT - LC = -1.60 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	824.7	836.5	848.3	825.5	836.5	847.5	826.5	836.5	846.5
(MHz)									
Conducted Power (dBm)	22.69	22.67	22.48	22.64	22.66	22.75	22.59	22.73	22.77
Conducted Power (Watts)	0.1858	0.1849	0.1770	0.1837	0.1845	0.1884	0.1816	0.1875	0.1892
ERP(dBm)	18.94	18.92	18.73	18.89	18.91	19.00	18.84	18.98	19.02
ERP(Watts)	0.0783	0.0780	0.0746	0.0774	0.0778	0.0794	0.0766	0.0791	0.0798

LTE Band 26 (GT - LC = -1.60 dB) 64QAM							
Bandwidth	10M			15M			15M
Channel	26840	26915	26990	26865	26915	26965	26790
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)
Frequency	829	836.5	844	831.5	836.5	841.5	821.5
(MHz)							
Conducted Power (dBm)	22.66	22.56	22.60	22.70	22.72	22.79	22.68
Conducted Power (Watts)	0.1845	0.1803	0.1820	0.1862	0.1871	0.1901	0.1854
ERP(dBm)	18.91	18.81	18.85	18.95	18.97	19.04	20.28
ERP(Watts)	0.0778	0.0760	0.0767	0.0785	0.0789	0.0802	0.1067



LTE Band 26 (GT - LC = -1.60 dB) 256QAM									
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	824.7	836.5	848.3	825.5	836.5	847.5	826.5	836.5	846.5
(MHz)									
Conducted Power (dBm)	19.81	19.82	19.85	19.83	19.84	19.82	19.82	19.85	19.84
Conducted Power (Watts)	0.0957	0.0959	0.0966	0.0962	0.0964	0.0959	0.0959	0.0966	0.0964
ERP(dBm)	16.06	16.07	16.10	16.08	16.09	16.07	16.07	16.10	16.09
ERP(Watts)	0.0404	0.0405	0.0407	0.0406	0.0406	0.0405	0.0405	0.0407	0.0406

LTE Band 26 (GT - LC = -1.60 dB) 256QAM							
Bandwidth	10M			15M			15M
Channel	26840	26915	26990	26865	26915	26965	26790
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)
Frequency	829	836.5	844	831.5	836.5	841.5	821.5
(MHz)							
Conducted Power (dBm)	19.83	19.86	19.82	19.95	19.97	19.96	19.90
Conducted Power (Watts)	0.0962	0.0968	0.0959	0.0989	0.0993	0.0991	0.0977
ERP(dBm)	16.08	16.11	16.07	16.20	16.22	16.21	17.50
ERP(Watts)	0.0406	0.0408	0.0405	0.0417	0.0419	0.0418	0.0562



LTE Band 66 (GT - LC = -1.70 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	1710.7	1745	1779.3	1711.5	1745	1778.5	1712.5	1745	1777.5
(MHz)									
Conducted Power (dBm)	23.90	23.87	23.86	23.96	23.96	23.95	23.94	23.91	23.89
Conducted Power (Watts)	0.2455	0.2438	0.2432	0.2489	0.2489	0.2483	0.2477	0.2460	0.2449
EIRP(dBm)	22.20	22.17	22.16	22.26	22.26	22.25	22.24	22.21	22.19
EIRP(Watts)	0.1660	0.1648	0.1644	0.1683	0.1683	0.1679	0.1675	0.1663	0.1656

LTE Band 66 (GT - LC = -1.70 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	1715	1745	1775	1717.5	1745	1772.5	1720	1745	1770
(MHz)									
Conducted Power (dBm)	23.89	23.93	23.87	23.90	23.91	23.90	23.96	23.98	23.97
Conducted Power (Watts)	0.2449	0.2472	0.2438	0.2455	0.2460	0.2455	0.2489	0.2500	0.2495
EIRP(dBm)	22.19	22.23	22.17	22.20	22.21	22.20	22.26	22.28	22.27
EIRP(Watts)	0.1656	0.1671	0.1648	0.1660	0.1663	0.1660	0.1683	0.1690	0.1687



LTE Band 66 (GT - LC = -1.70 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	1710.7	1745	1779.3	1711.5	1745	1778.5	1712.5	1745	1777.5
(MHz)									
Conducted Power (dBm)	23.28	23.18	23.24	23.23	23.27	23.22	23.21	23.25	23.21
Conducted Power (Watts)	0.2128	0.2080	0.2109	0.2104	0.2123	0.2099	0.2094	0.2113	0.2094
EIRP(dBm)	21.58	21.48	21.54	21.53	21.57	21.52	21.51	21.55	21.51
EIRP(Watts)	0.1439	0.1406	0.1426	0.1422	0.1435	0.1419	0.1416	0.1429	0.1416

LTE Band 66 (GT - LC = -1.70 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	1715	1745	1775	1717.5	1745	1772.5	1720	1745	1770
(MHz)									
Conducted Power (dBm)	23.34	23.26	23.16	23.16	23.23	23.15	23.22	23.43	23.26
Conducted Power (Watts)	0.2158	0.2118	0.2070	0.2070	0.2104	0.2065	0.2099	0.2203	0.2118
EIRP(dBm)	21.64	21.56	21.46	21.46	21.53	21.45	21.52	21.73	21.56
EIRP(Watts)	0.1459	0.1432	0.1400	0.1400	0.1422	0.1396	0.1419	0.1489	0.1432



LTE Band 66 (GT - LC = -1.70 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	1710.7	1745	1779.3	1711.5	1745	1778.5	1712.5	1745	1777.5
(MHz)									
Conducted Power (dBm)	22.16	22.17	22.13	22.23	22.13	22.18	22.14	22.19	22.15
Conducted Power (Watts)	0.1644	0.1648	0.1633	0.1671	0.1633	0.1652	0.1637	0.1656	0.1641
EIRP(dBm)	20.46	20.47	20.43	20.53	20.43	20.48	20.44	20.49	20.45
EIRP(Watts)	0.1112	0.1114	0.1104	0.1130	0.1104	0.1117	0.1107	0.1119	0.1109

LTE Band 66 (GT - LC = -1.70 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	1715	1745	1775	1717.5	1745	1772.5	1720	1745	1770
(MHz)									
Conducted Power (dBm)	22.11	22.12	22.19	22.23	22.08	22.16	22.24	22.17	22.15
Conducted Power (Watts)	0.1626	0.1629	0.1656	0.1671	0.1614	0.1644	0.1675	0.1648	0.1641
EIRP(dBm)	20.41	20.42	20.49	20.53	20.38	20.46	20.54	20.47	20.45
EIRP(Watts)	0.1099	0.1102	0.1119	0.1130	0.1091	0.1112	0.1132	0.1114	0.1109



LTE Band 66 (GT - LC = -1.70 dB) 256QAM									
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	1710.7	1745	1779.3	1711.5	1745	1778.5	1712.5	1745	1777.5
(MHz)									
Conducted Power (dBm)	18.89	18.89	18.90	18.87	18.90	18.87	18.86	18.91	18.86
Conducted Power (Watts)	0.0774	0.0774	0.0776	0.0771	0.0776	0.0771	0.0769	0.0778	0.0769
EIRP(dBm)	17.19	17.19	17.20	17.17	17.20	17.17	17.16	17.21	17.16
EIRP(Watts)	0.0524	0.0524	0.0525	0.0521	0.0525	0.0521	0.0520	0.0526	0.0520

LTE Band 66 (GT - LC = -1.70 dB) 256QAM									
Bandwidth	10M			15M			20M		
Channel	132022	132322	132622	132047	132322	132597	132072	132322	132572
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(Mid)
Frequency	1715	1745	1775	1717.5	1745	1772.5	1720	1745	1770
(MHz)									
Conducted Power (dBm)	18.88	18.90	18.90	18.88	18.87	18.90	18.95	18.97	18.96
Conducted Power (Watts)	0.0773	0.0776	0.0776	0.0773	0.0771	0.0776	0.0785	0.0789	0.0787
EIRP(dBm)	17.18	17.20	17.20	17.18	17.17	17.20	17.25	17.27	17.26
EIRP(Watts)	0.0522	0.0525	0.0525	0.0522	0.0521	0.0525	0.0531	0.0533	0.0532

CA EIRP

LTE Band 2C CA (GT - LC = -1.10 dB) QPSK									
Bandwidth	10M + 20M			20M + 10M			20M + 15M		
Channel PCC	18655	18806	18956	18700	18851	19001	18700	18826	18951
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	18799	18950	19100	18844	18995	19145	18871	18997	19122
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.32	23.38	23.34	23.40	23.39	23.32	23.43	23.34	23.40
Conducted Power (Watts)	0.2148	0.2178	0.2158	0.2188	0.2183	0.2148	0.2203	0.2158	0.2188
EIRP(dBm)	22.22	22.28	22.24	22.30	22.29	22.22	22.33	22.24	22.30
EIRP(Watts)	0.1667	0.1690	0.1675	0.1698	0.1694	0.1667	0.1710	0.1675	0.1698

LTE Band 2C CA (GT - LC = -01.10 dB) QPSK									
Bandwidth	15M + 10M			15M + 15M			15M + 20M		
Channel PCC	18675	18851	19027	18675	18825	18975	18678	18803	18929
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	18795	18971	19147	18825	18975	19125	18871	18974	19100
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.33	23.38	23.42	23.34	23.38	23.43	23.32	23.39	23.41
Conducted Power (Watts)	0.2153	0.2178	0.2198	0.2158	0.2178	0.2203	0.2148	0.2183	0.2193
EIRP(dBm)	22.23	22.28	22.32	22.24	22.28	22.33	22.22	22.29	22.31
EIRP(Watts)	0.1671	0.1690	0.1706	0.1675	0.1690	0.1710	0.1667	0.1694	0.1702



LTE Band 2C CA (GT - LC = -1.10 dB) QPSK						
Bandwidth	20M+5M			10M+15M		
Channel PCC	18700	18875	19050	18653	18829	19005
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	18817	18992	19167	18773	18949	19125
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.36	23.33	23.37	23.35	23.39	23.34
Conducted Power (Watts)	0.2168	0.2153	0.2173	0.2163	0.2183	0.2158
ERP(dBm)	22.26	22.23	22.27	22.25	22.29	22.24
ERP(Watts)	0.1683	0.1671	0.1687	0.1679	0.1694	0.1675

LTE Band 2C CA (GT - LC = -1.10 dB) QPSK						
Bandwidth	5M+20M			20M+20M		
Channel PCC	18633	18808	18983	18700	18801	18902
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	18750	18925	19100	18898	18999	19122
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.43	23.39	23.40	23.48	23.45	23.43
Conducted Power (Watts)	0.2203	0.2183	0.2188	0.2228	0.2213	0.2203
ERP(dBm)	22.33	22.29	22.30	22.38	22.35	22.33
ERP(Watts)	0.1710	0.1694	0.1698	0.1730	0.1718	0.1710



LTE Band 2C CA (GT - LC = -1.10 dB) 16QAM									
Bandwidth	10M + 20M			20M + 10M			20M + 15M		
Channel PCC	18655	18806	18956	18700	18851	19001	18700	18826	18951
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	18799	18950	19100	18844	18995	19145	18871	18997	19122
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.04	23.02	23.00	22.97	23.01	22.99	23.01	23.05	22.99
Conducted Power (Watts)	0.2014	0.2004	0.1995	0.1982	0.2000	0.1991	0.2000	0.2018	0.1991
EIRP(dBm)	21.94	21.92	21.90	21.87	21.91	21.89	21.91	21.95	21.89
EIRP(Watts)	0.1563	0.1556	0.1549	0.1538	0.1552	0.1545	0.1552	0.1567	0.1545

LTE Band 2C CA (GT - LC = -1.10 dB) 16QAM									
Bandwidth	15M + 10M			15M + 15M			15M + 20M		
Channel PCC	18675	18851	19027	18675	18825	18975	18678	18803	18929
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	18795	18971	19147	18825	18975	19125	18871	18974	19100
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.04	23.02	23.00	23.05	22.95	22.98	22.99	23.00	23.03
Conducted Power (Watts)	0.2014	0.2004	0.1995	0.2018	0.1972	0.1986	0.1991	0.1995	0.2009
EIRP(dBm)	21.94	21.92	21.90	21.95	21.85	21.88	21.89	21.90	21.93
EIRP(Watts)	0.1563	0.1556	0.1549	0.1567	0.1531	0.1542	0.1545	0.1549	0.1560



LTE Band 2C CA (GT - LC = -1.10 dB) 16QAM						
Bandwidth	20M+5M			10M+15M		
Channel PCC	18700	18875	19050	18653	18829	19005
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	18817	18992	19167	18773	18949	19125
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	22.99	22.99	23.01	22.99	22.99	23.05
Conducted Power (Watts)	0.1991	0.1991	0.2000	0.1991	0.1991	0.2018
ERP(dBm)	21.89	21.89	21.91	21.89	21.89	21.95
ERP(Watts)	0.1545	0.1545	0.1552	0.1545	0.1545	0.1567

LTE Band 2C CA (GT - LC = -1.10 dB) 16QAM						
Bandwidth	5M+20M			20M+20M		
Channel PCC	18633	18808	18983	18700	18801	18902
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	18750	18925	19100	18898	18999	19122
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	22.94	22.94	22.94	23.10	23.11	23.10
Conducted Power (Watts)	0.1968	0.1968	0.1968	0.2042	0.2046	0.2042
ERP(dBm)	21.84	21.84	21.84	22.00	22.01	22.00
ERP(Watts)	0.1528	0.1528	0.1528	0.1585	0.1589	0.1585



LTE Band 2C CA (GT - LC = -1.10 dB) 64QAM									
Bandwidth	10M + 20M			20M + 10M			20M + 15M		
Channel PCC	18655	18806	18956	18700	18851	19001	18700	18826	18951
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	18799	18950	19100	18844	18995	19145	18871	18997	19122
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	21.59	21.63	21.55	21.60	21.62	21.59	21.56	21.62	21.56
Conducted Power (Watts)	0.1442	0.1455	0.1429	0.1445	0.1452	0.1442	0.1432	0.1452	0.1432
EIRP(dBm)	20.49	20.53	20.45	20.50	20.52	20.49	20.46	20.52	20.46
EIRP(Watts)	0.1119	0.1130	0.1109	0.1122	0.1127	0.1119	0.1112	0.1127	0.1112

LTE Band 2C CA (GT - LC = -1.10 dB) 64QAM									
Bandwidth	15M + 10M			15M + 15M			15M + 20M		
Channel PCC	18675	18851	19027	18675	18825	18975	18678	18803	18929
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	18795	18971	19147	18825	18975	19125	18871	18974	19100
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	21.62	21.58	21.55	21.54	21.60	21.63	21.62	21.56	21.55
Conducted Power (Watts)	0.1452	0.1439	0.1429	0.1426	0.1445	0.1455	0.1452	0.1432	0.1429
EIRP(dBm)	20.52	20.48	20.45	20.44	20.50	20.53	20.52	20.46	20.45
EIRP(Watts)	0.1127	0.1117	0.1109	0.1107	0.1122	0.1130	0.1127	0.1112	0.1109



LTE Band 2C CA (GT - LC = -1.10 dB) 64QAM						
Bandwidth	20M+5M			10M+15M		
Channel PCC	18700	18875	19050	18653	18829	19005
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	18817	18992	19167	18773	18949	19125
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	21.56	21.60	21.62	21.57	21.60	21.56
Conducted Power (Watts)	0.1432	0.1445	0.1452	0.1435	0.1445	0.1432
ERP(dBm)	20.46	20.50	20.52	20.47	20.50	20.46
ERP(Watts)	0.1112	0.1122	0.1127	0.11	0.11	0.11

LTE Band 2C CA (GT - LC = -1.10 dB) 64QAM						
Bandwidth	5M+20M			20M+20M		
Channel PCC	18633	18808	18983	18700	18801	18902
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	18750	18925	19100	18898	18999	19122
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	21.62	21.55	21.58	21.68	21.70	21.66
Conducted Power (Watts)	0.1452	0.1429	0.1439	0.1472	0.1479	0.1466
ERP(dBm)	20.52	20.45	20.48	20.58	20.60	20.56
ERP(Watts)	0.1127	0.1109	0.1117	0.1143	0.1148	0.1138



LTE Band 2C CA (GT - LC = -1.10 dB) 256QAM									
Bandwidth	10M + 20M			20M + 10M			20M + 15M		
Channel PCC	18655	18806	18956	18700	18851	19001	18700	18826	18951
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	18799	18950	19100	18844	18995	19145	18871	18997	19122
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	19.57	19.56	19.60	19.61	19.58	19.60	19.60	19.59	19.62
Conducted Power (Watts)	0.0906	0.0904	0.0912	0.0914	0.0908	0.0912	0.0912	0.0910	0.0916
EIRP(dBm)	18.47	18.46	18.50	18.51	18.48	18.50	18.50	18.49	18.52
EIRP(Watts)	0.0703	0.0701	0.0708	0.0710	0.0705	0.0708	0.0708	0.0706	0.0711

LTE Band 2C CA (GT - LC = -1.10 dB) 256QAM									
Bandwidth	15M + 10M			15M + 15M			15M + 20M		
Channel PCC	18675	18851	19027	18675	18825	18975	18678	18803	18929
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	18795	18971	19147	18825	18975	19125	18871	18974	19100
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	19.52	19.56	19.60	19.59	19.55	19.54	19.53	19.62	19.57
Conducted Power (Watts)	0.0895	0.0904	0.0912	0.0910	0.0902	0.0899	0.0897	0.0916	0.0906
EIRP(dBm)	18.42	18.46	18.50	18.49	18.45	18.44	18.43	18.52	18.47
EIRP(Watts)	0.0695	0.0701	0.0708	0.0706	0.0700	0.0698	0.0697	0.0711	0.0703



LTE Band 2C CA (GT - LC = -1.10 dB) 256QAM						
Bandwidth	20M+5M			10M+15M		
Channel PCC	18700	18875	19050	18653	18829	19005
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	18817	18992	19167	18773	18949	19125
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	19.52	19.63	19.61	19.63	19.58	19.52
Conducted Power (Watts)	0.0895	0.0918	0.0914	0.0918	0.0908	0.0895
ERP(dBm)	18.42	18.53	18.51	18.53	18.48	18.42
ERP(Watts)	0.0695	0.0713	0.0710	0.07	0.07	0.07

LTE Band 2C CA (GT - LC = -1.10 dB) 256QAM						
Bandwidth	5M+20M			20M+20M		
Channel PCC	18633	18808	18983	18700	18801	18902
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	18750	18925	19100	18898	18999	19122
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	19.57	19.59	19.56	19.68	19.66	19.70
Conducted Power (Watts)	0.0906	0.0910	0.0904	0.0929	0.0925	0.0933
ERP(dBm)	18.47	18.49	18.46	18.58	18.56	18.60
ERP(Watts)	0.0703	0.0706	0.0701	0.0721	0.0718	0.0724



LTE Band 5B CA (GT - LC = -1.60 dB) QPSK									
Bandwidth	3M + 5M			5M + 3M			5M+10M		
Channel PCC	20416	20501	20586	20425	20510	20595	20428	20478	20528
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	20455	20540	20625	20464	20549	20634	20500	20550	20600
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	24.09	24.01	24.15	24.08	24.03	24.06	24.14	24.16	24.21
Conducted Power (Watts)	0.2564	0.2518	0.2600	0.2559	0.2529	0.2547	0.2594	0.2606	0.2636
ERP(dBm)	20.34	20.26	20.40	20.33	20.28	20.31	20.39	20.41	20.46
ERP(Watts)	0.1081	0.1062	0.1096	0.1079	0.1067	0.1074	0.1094	0.1099	0.1112

LTE Band 5B CA (GT - LC = -1.60 dB) QPSK						
Bandwidth	10M+5M			10M+10M		
Channel PCC	20450	20500	20550	20450	20476	20501
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	20522	20572	20622	20549	20575	20600
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	24.18	24.12	24.19	24.26	24.17	24.21
Conducted Power (Watts)	0.2618	0.2582	0.2624	0.2667	0.2612	0.2636
ERP(dBm)	20.43	20.37	20.44	20.51	20.42	20.46
ERP(Watts)	0.1104	0.1089	0.1107	0.1125	0.1102	0.1112



LTE Band 5B CA (GT - LC = -1.60 dB) 16QAM									
Bandwidth	3M + 5M			5M + 3M			5M+10M		
Channel PCC	20416	20501	20586	20425	20510	20595	20428	20478	20528
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	20455	20540	20625	20464	20549	20634	20500	20550	20600
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.52	23.46	23.51	23.58	23.52	23.61	23.64	23.62	23.66
Conducted Power (Watts)	0.2249	0.2218	0.2244	0.2280	0.2249	0.2296	0.2312	0.2301	0.2323
ERP(dBm)	19.77	19.71	19.76	19.83	19.77	19.86	19.89	19.87	19.91
ERP(Watts)	0.0948	0.0935	0.0946	0.0962	0.0948	0.0968	0.0975	0.0971	0.0979

LTE Band 5B CA (GT - LC = -1.60 dB) 16QAM						
Bandwidth	10M+5M			10M+10M		
Channel PCC	20450	20500	20550	20450	20476	20501
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	20522	20572	20622	20549	20575	20600
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.58	23.63	23.57	23.73	23.57	23.60
Conducted Power (Watts)	0.2280	0.2307	0.2275	0.2360	0.2275	0.2291
ERP(dBm)	19.83	19.88	19.82	19.98	19.82	19.85
ERP(Watts)	0.0962	0.0973	0.0959	0.0995	0.0959	0.0966



LTE Band 5B CA (GT - LC = -1.60 dB) 64QAM									
Bandwidth	3M + 5M			5M + 3M			5M+10M		
Channel PCC	20416	20501	20586	20425	20510	20595	20428	20478	20528
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	20455	20540	20625	20464	20549	20634	20500	20550	20600
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	21.10	21.06	21.09	21.13	21.07	21.03	21.18	21.19	21.14
Conducted Power (Watts)	0.1288	0.1276	0.1285	0.1297	0.1279	0.1268	0.1312	0.1315	0.1300
ERP(dBm)	17.35	17.31	17.34	17.38	17.32	17.28	17.43	17.44	17.39
ERP(Watts)	0.0543	0.0538	0.0542	0.0547	0.0540	0.0535	0.0553	0.0555	0.0548

LTE Band 5B CA (GT - LC = -1.60 dB) 64QAM						
Bandwidth	10M+5M			10M+10M		
Channel PCC	20450	20500	20550	20450	20476	20501
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	20522	20572	20622	20549	20575	20600
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	21.19	21.21	21.11	21.26	21.11	21.14
Conducted Power (Watts)	0.1315	0.1321	0.1291	0.1337	0.1291	0.1300
ERP(dBm)	17.44	17.46	17.36	17.51	17.36	17.39
ERP(Watts)	0.0555	0.0557	0.0545	0.0564	0.0545	0.0548



LTE Band 5B CA (GT - LC = -1.60 dB) 256QAM									
Bandwidth	3M + 5M			5M + 3M			5M+10M		
Channel PCC	20416	20501	20586	20425	20510	20595	20428	20478	20528
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	20455	20540	20625	20464	20549	20634	20500	20550	20600
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	20.02	19.96	20.03	20.01	19.99	19.98	20.10	20.10	20.11
Conducted Power (Watts)	0.1005	0.0991	0.1007	0.1002	0.0998	0.0995	0.1023	0.1023	0.1026
ERP(dBm)	16.27	16.21	16.28	16.26	16.24	16.23	16.35	16.35	16.36
ERP(Watts)	0.0424	0.0418	0.0425	0.0423	0.0421	0.0420	0.0432	0.0432	0.0433

LTE Band 5B CA (GT - LC = -1.60 dB) 256QAM						
Bandwidth	10M+5M			10M+10M		
Channel PCC	20450	20500	20550	20450	20476	20501
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	20522	20572	20622	20549	20575	20600
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	20.10	20.15	20.08	20.23	20.18	20.17
Conducted Power (Watts)	0.1023	0.1035	0.1019	0.1054	0.1042	0.1040
ERP(dBm)	16.35	16.40	16.33	16.48	16.43	16.42
ERP(Watts)	0.0432	0.0437	0.0430	0.0445	0.0440	0.0439



LTE Band 66B CA (GT - LC = -1.80 dB) QPSK									
Bandwidth	5M + 5M			5M + 10M			5M + 15M		
Channel PCC	131997	132398	132599	132000	132375	132550	132022	132353	132504
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	132045	132446	132647	132072	132447	132622	132095	132446	132597
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.61	23.63	23.58	23.57	23.60	23.67	23.62	23.63	23.64
Conducted Power (Watts)	0.2296	0.2307	0.2280	0.2275	0.2291	0.2328	0.2301	0.2307	0.2312
EIRP(dBm)	21.81	21.83	21.78	21.77	21.80	21.87	21.82	21.83	21.84
EIRP(Watts)	0.1517	0.1524	0.1507	0.1503	0.1514	0.1538	0.1521	0.1524	0.1528

LTE Band 66B CA (GT - LC = -1.80 dB) QPSK									
Bandwidth	10M + 5M			10M + 10M			15M + 5M		
Channel PCC	132022	132397	132572	132022	132373	132523	132047	132398	132549
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	132094	132469	132644	132121	132472	132622	132140	132491	132642
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.66	23.64	23.68	23.73	23.62	23.67	23.68	23.59	23.68
Conducted Power (Watts)	0.2323	0.2312	0.2333	0.2360	0.2301	0.2328	0.2333	0.2286	0.2333
EIRP(dBm)	21.86	21.84	21.88	21.93	21.82	21.87	21.88	21.79	21.88
EIRP(Watts)	0.1535	0.1528	0.1542	0.1560	0.1521	0.1538	0.1542	0.1510	0.1542



LTE Band 66B CA (GT - LC = -1.80 dB) 16QAM									
Bandwidth	5M + 5M			5M + 10M			5M + 15M		
Channel PCC	131997	132398	132599	132000	132375	132550	132022	132353	132504
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	132045	132446	132647	132072	132447	132622	132095	132446	132597
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.22	23.26	23.30	23.24	23.26	23.21	23.19	23.25	23.28
Conducted Power (Watts)	0.2099	0.2118	0.2138	0.2109	0.2118	0.2094	0.2084	0.2113	0.2128
EIRP(dBm)	21.42	21.46	21.50	21.44	21.46	21.41	21.39	21.45	21.48
EIRP(Watts)	0.1387	0.1400	0.1413	0.1393	0.1400	0.1384	0.1377	0.1396	0.1406

LTE Band 66B CA (GT - LC = -1.80 dB) 16QAM									
Bandwidth	10M + 5M			10M + 10M			15M + 5M		
Channel PCC	132022	132397	132572	132022	132373	132523	132047	132398	132549
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	132094	132469	132644	132121	132472	132622	132140	132491	132642
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.24	23.20	23.27	23.35	23.22	23.25	23.27	23.25	23.29
Conducted Power (Watts)	0.2109	0.2089	0.2123	0.2163	0.2099	0.2113	0.2123	0.2113	0.2133
EIRP(dBm)	21.44	21.40	21.47	21.55	21.42	21.45	21.47	21.45	21.49
EIRP(Watts)	0.1393	0.1380	0.1403	0.1429	0.1387	0.1396	0.1403	0.1396	0.1409



LTE Band 66B CA (GT - LC = -1.80 dB) 64QAM									
Bandwidth	5M + 5M			5M + 10M			5M + 15M		
Channel PCC	131997	132398	132599	132000	132375	132550	132022	132353	132504
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	132045	132446	132647	132072	132447	132622	132095	132446	132597
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	21.55	21.52	21.46	21.53	21.55	21.48	21.54	21.48	21.52
Conducted Power (Watts)	0.1429	0.1419	0.1400	0.1422	0.1429	0.1406	0.1426	0.1406	0.1419
EIRP(dBm)	19.75	19.72	19.66	19.73	19.75	19.68	19.74	19.68	19.72
EIRP(Watts)	0.0944	0.0938	0.0925	0.0940	0.0944	0.0929	0.0942	0.0929	0.0938

LTE Band 66B CA (GT - LC = -1.80 dB) 64QAM									
Bandwidth	10M + 5M			10M + 10M			15M + 5M		
Channel PCC	132022	132397	132572	132022	132373	132523	132047	132398	132549
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	132094	132469	132644	132121	132472	132622	132140	132491	132642
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	21.51	21.49	21.55	21.62	21.46	21.56	21.55	21.51	21.52
Conducted Power (Watts)	0.1416	0.1409	0.1429	0.1452	0.1400	0.1432	0.1429	0.1416	0.1419
EIRP(dBm)	19.71	19.69	19.75	19.82	19.66	19.76	19.75	19.71	19.72
EIRP(Watts)	0.0935	0.0931	0.0944	0.0959	0.0925	0.0946	0.0944	0.0935	0.0938



LTE Band 66B CA (GT - LC = -1.80 dB) 256QAM									
Bandwidth	5M + 5M			5M + 10M			5M + 15M		
Channel PCC	131997	132398	132599	132000	132375	132550	132022	132353	132504
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	132045	132446	132647	132072	132447	132622	132095	132446	132597
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	19.75	19.80	19.77	19.70	19.71	19.69	19.80	19.73	19.80
Conducted Power (Watts)	0.0944	0.0955	0.0948	0.0933	0.0935	0.0931	0.0955	0.0940	0.0955
EIRP(dBm)	17.95	18.00	17.97	17.90	17.91	17.89	18.00	17.93	18.00
EIRP(Watts)	0.0624	0.0631	0.0627	0.0617	0.0618	0.0615	0.0631	0.0621	0.0631

LTE Band 66B CA (GT - LC = -1.80 dB) 256QAM									
Bandwidth	10M + 5M			10M + 10M			15M + 5M		
Channel PCC	132022	132397	132572	132022	132373	132523	132047	132398	132549
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	132094	132469	132644	132121	132472	132622	132140	132491	132642
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	19.74	19.70	19.80	19.85	19.73	19.74	19.71	19.70	19.71
Conducted Power (Watts)	0.0942	0.0933	0.0955	0.0966	0.0940	0.0942	0.0935	0.0933	0.0935
EIRP(dBm)	17.94	17.90	18.00	18.05	17.93	17.94	17.91	17.90	17.91
EIRP(Watts)	0.0622	0.0617	0.0631	0.0638	0.0621	0.0622	0.0618	0.0617	0.0618



LTE Band 66C CA (GT - LC = 1.80 dB) QPSK									
Bandwidth	15M + 15M			5M + 20M			20M + 5M		
Channel PCC	39725	40545	41365	39683	40528	41373	39750	40595	41440
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39875	40695	41515	39800	40645	41490	39867	40712	41557
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.68	23.63	23.69	23.67	23.73	23.68	23.65	23.73	23.66
Conducted Power (Watts)	0.2333	0.2307	0.2339	0.2328	0.2360	0.2333	0.2317	0.2360	0.2323
EIRP(dBm)	21.88	21.83	21.89	21.87	21.93	21.88	21.85	21.93	21.86
EIRP(Watts)	0.1542	0.1524	0.1545	0.1538	0.1560	0.1542	0.1531	0.1560	0.1535

LTE Band 66C CA (GT - LC = 1.80 dB) QPSK									
Bandwidth	10M + 20M			20M + 10M			15M + 20M		
Channel PCC	39705	40526	41346	39750	40571	41391	39728	40523	41319
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39849	40670	41490	39894	40715	41535	39899	40694	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.72	23.65	23.67	23.73	23.66	23.69	23.72	23.62	23.70
Conducted Power (Watts)	0.2355	0.2317	0.2328	0.2360	0.2323	0.2339	0.2355	0.2301	0.2344
EIRP(dBm)	21.92	21.85	21.87	21.93	21.86	21.89	21.92	21.82	21.90
EIRP(Watts)	0.1556	0.1531	0.1538	0.1560	0.1535	0.1545	0.1556	0.1521	0.1549

LTE Band 66C CA (GT - LC = 1.80 dB) QPSK						
Bandwidth	20M+15M			20M+20M		
Channel PCC	39750	40546	41341	39750	40521	41292
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39921	40717	41512	39948	40719	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.69	23.65	23.63	23.78	23.73	23.72
Conducted Power (Watts)	0.2339	0.2317	0.2307	0.2388	0.2360	0.2355
EIRP(dBm)	21.89	21.85	21.83	21.98	21.93	21.92
EIRP(Watts)	0.1545	0.1531	0.1524	0.1578	0.1560	0.1556

LTE Band 66C CA (GT - LC = 1.80 dB) QPSK						
Bandwidth	15M+10M			10M+15M		
Channel PCC	39725	40571	41417	39703	40549	41395
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39845	40691	41537	39823	40669	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.72	23.62	23.63	23.68	23.67	23.73
Conducted Power (Watts)	0.2355	0.2301	0.2307	0.2333	0.2328	0.2360
EIRP(dBm)	21.92	21.82	21.83	21.88	21.87	21.93
EIRP(Watts)	0.1556	0.1521	0.1524	0.1542	0.1538	0.1560



LTE Band 66C CA (GT - LC = 1.80 dB) 16QAM									
Bandwidth	15M + 15M			5M + 20M			20M + 5M		
Channel PCC	39725	40545	41365	39683	40528	41373	39750	40595	41440
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39875	40695	41515	39800	40645	41490	39867	40712	41557
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.18	23.23	23.27	23.27	23.23	23.23	23.19	23.20	23.19
Conducted Power (Watts)	0.2080	0.2104	0.2123	0.2123	0.2104	0.2104	0.2084	0.2089	0.2084
EIRP(dBm)	21.38	21.43	21.47	21.47	21.43	21.43	21.39	21.40	21.39
EIRP(Watts)	0.1374	0.1390	0.1403	0.1403	0.1390	0.1390	0.1377	0.1380	0.1377

LTE Band 66C CA (GT - LC = 1.80 dB) 16QAM									
Bandwidth	10M + 20M			20M + 10M			15M + 20M		
Channel PCC	39705	40526	41346	39750	40571	41391	39728	40523	41319
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39849	40670	41490	39894	40715	41535	39899	40694	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.18	23.28	23.21	23.17	23.26	23.18	23.28	23.22	23.28
Conducted Power (Watts)	0.2080	0.2128	0.2094	0.2075	0.2118	0.2080	0.2128	0.2099	0.2128
EIRP(dBm)	21.38	21.48	21.41	21.37	21.46	21.38	21.48	21.42	21.48
EIRP(Watts)	0.1374	0.1406	0.1384	0.1371	0.1400	0.1374	0.1406	0.1387	0.1406

LTE Band 66C CA (GT - LC = 1.80 dB) 16QAM						
Bandwidth	20M+15M			20M+20M		
Channel PCC	39750	40546	41341	39750	40521	41292
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39921	40717	41512	39948	40719	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.24	23.27	23.21	23.33	23.30	23.31
Conducted Power (Watts)	0.2109	0.2123	0.2094	0.2153	0.2138	0.2143
EIRP(dBm)	21.44	21.47	21.41	21.53	21.50	21.51
EIRP(Watts)	0.1393	0.1403	0.1384	0.1422	0.1413	0.1416

LTE Band 66C CA (GT - LC = 1.80 dB) 16QAM						
Bandwidth	15M+10M			10M+15M		
Channel PCC	39725	40571	41417	39703	40549	41395
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39845	40691	41537	39823	40669	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.26	23.19	23.17	23.26	23.24	23.26
Conducted Power (Watts)	0.2118	0.2084	0.2075	0.2118	0.2109	0.2118
EIRP(dBm)	21.46	21.39	21.37	21.46	21.44	21.46
EIRP(Watts)	0.1400	0.1377	0.1371	0.1400	0.1393	0.1400



LTE Band 66C CA (GT - LC = 1.80 dB) 64QAM									
Bandwidth	15M + 15M			5M + 20M			20M + 5M		
Channel PCC	39725	40545	41365	39683	40528	41373	39750	40595	41440
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39875	40695	41515	39800	40645	41490	39867	40712	41557
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	21.52	21.51	21.52	21.49	21.57	21.49	21.48	21.53	21.64
Conducted Power (Watts)	0.1419	0.1416	0.1419	0.1409	0.1435	0.1409	0.1406	0.1422	0.1459
EIRP(dBm)	19.72	19.71	19.72	19.69	19.77	19.69	19.68	19.73	19.84
EIRP(Watts)	0.0938	0.0935	0.0938	0.0931	0.0948	0.0931	0.0929	0.0940	0.0964

LTE Band 66C CA (GT - LC = -1.80 dB) 64QAM									
Bandwidth	10M + 20M			20M + 10M			15M + 20M		
Channel PCC	39705	40526	41346	39750	40571	41391	39728	40523	41319
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39849	40670	41490	39894	40715	41535	39899	40694	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	21.56	21.47	21.47	21.51	21.58	21.57	21.49	21.55	21.52
Conducted Power (Watts)	0.1432	0.1403	0.1403	0.1416	0.1439	0.1435	0.1409	0.1429	0.1419
EIRP(dBm)	19.76	19.67	19.67	19.71	19.78	19.77	19.69	19.75	19.72
EIRP(Watts)	0.0946	0.0927	0.0927	0.0935	0.0951	0.0948	0.0931	0.0944	0.0938



LTE Band 66C CA (GT - LC = 1.80 dB) 64QAM						
Bandwidth	20M+15M			20M+20M		
Channel PCC	39750	40546	41341	39750	40521	41292
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39921	40717	41512	39948	40719	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	21.47	21.58	21.56	21.63	21.65	21.65
Conducted Power (Watts)	0.1403	0.1439	0.1432	0.1455	0.1462	0.1462
EIRP(dBm)	19.67	19.78	19.76	19.83	19.85	19.85
EIRP(Watts)	0.0927	0.0951	0.0946	0.0962	0.0966	0.0966

LTE Band 66C CA (GT - LC = 1.80 dB) 64QAM						
Bandwidth	15M+10M			10M+15M		
Channel PCC	39725	40571	41417	39703	40549	41395
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39845	40691	41537	39823	40669	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	21.50	21.51	21.49	21.49	21.49	21.48
Conducted Power (Watts)	0.1413	0.1416	0.1409	0.1409	0.1409	0.1406
EIRP(dBm)	19.70	19.71	19.69	19.69	19.69	19.68
EIRP(Watts)	0.0933	0.0935	0.0931	0.09	0.09	0.09



LTE Band 66C CA (GT - LC = 1.80 dB) 256QAM									
Bandwidth	15M + 15M			5M + 20M			20M + 5M		
Channel PCC	39725	40545	41365	39683	40528	41373	39750	40595	41440
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39875	40695	41515	39800	40645	41490	39867	40712	41557
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	19.75	19.78	19.72	19.80	19.71	19.81	19.71	19.77	19.80
Conducted Power (Watts)	0.0944	0.0951	0.0938	0.0955	0.0935	0.0957	0.0935	0.0948	0.0955
EIRP(dBm)	17.95	17.98	17.92	18.00	17.91	18.01	17.91	17.97	18.00
EIRP(Watts)	0.0624	0.0628	0.0619	0.0631	0.0618	0.0632	0.0618	0.0627	0.0631

LTE Band 66C CA (GT - LC = 1.80 dB) 256QAM									
Bandwidth	10M + 20M			20M + 10M			15M + 20M		
Channel PCC	39705	40526	41346	39750	40571	41391	39728	40523	41319
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39849	40670	41490	39894	40715	41535	39899	40694	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	19.70	19.73	19.77	19.76	19.78	19.72	19.76	19.79	19.81
Conducted Power (Watts)	0.0933	0.0940	0.0948	0.0946	0.0951	0.0938	0.0946	0.0953	0.0957
EIRP(dBm)	17.90	17.93	17.97	17.96	17.98	17.92	17.96	17.99	18.01
EIRP(Watts)	0.0617	0.0621	0.0627	0.0625	0.0628	0.0619	0.0625	0.0630	0.0632



LTE Band 66C CA (GT - LC = 1.80 dB) 256QAM						
Bandwidth	20M+15M			20M+20M		
Channel PCC	39750	40546	41341	39750	40521	41292
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39921	40717	41512	39948	40719	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	19.78	19.70	19.80	19.86	19.77	19.85
Conducted Power (Watts)	0.0951	0.0933	0.0955	0.0968	0.0948	0.0966
EIRP(dBm)	17.98	17.90	18.00	18.06	17.97	18.05
EIRP(Watts)	0.0628	0.0617	0.0631	0.0640	0.0627	0.0638

LTE Band 66C CA (GT - LC = 1.80 dB) 256QAM						
Bandwidth	15M+10M			10M+15M		
Channel PCC	39725	40571	41417	39703	40549	41395
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39845	40691	41537	39823	40669	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	19.70	19.71	19.75	19.70	19.72	19.74
Conducted Power (Watts)	0.0933	0.0935	0.0944	0.0933	0.0938	0.0942
EIRP(dBm)	17.90	17.91	17.95	17.90	17.92	17.94
EIRP(Watts)	0.0617	0.0618	0.0624	0.06	0.06	0.06



LTE Band CA_2C

26dB Bandwidth

Mode	LTE Band 2C : 26dB BW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.73	25.13	29.85	25.43	30.63
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.83	25.38	30.27	35.25	39.80

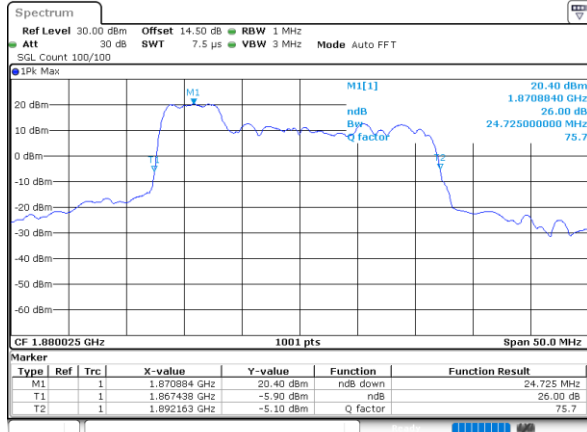
Mode	LTE Band 2C : 26dB BW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	24.68	25.08	29.97	25.52	30.57
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	34.76	25.18	30.27	34.83	39.88



LTE Band 2C

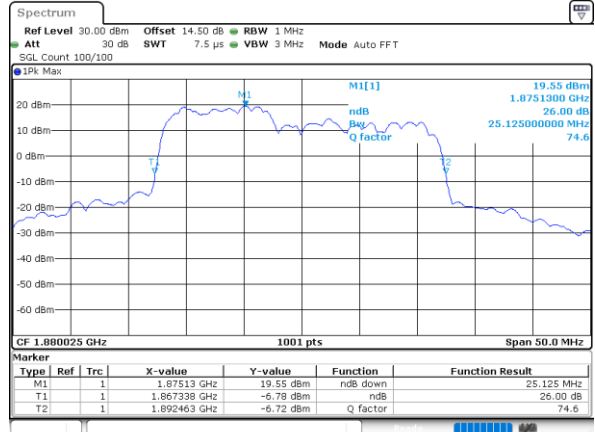
QPSK

Middle Channel / 5MHz+20MHz



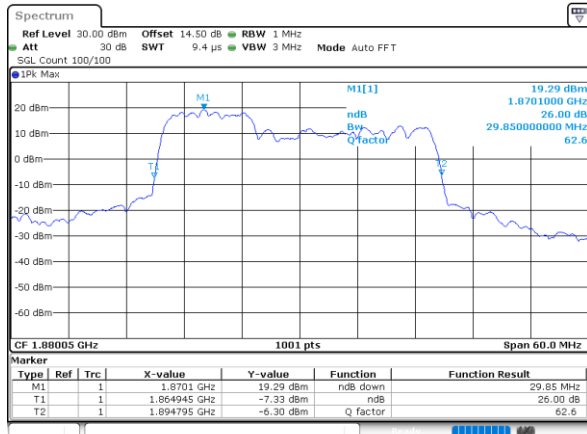
Date: 14.NOV.2023 17:09:00

Middle Channel / 10MHz+15MHz



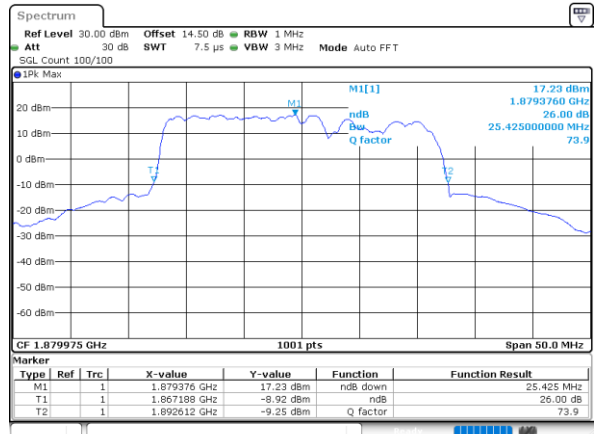
Date: 15.NOV.2023 09:12:56

Middle Channel / 10MHz+20MHz



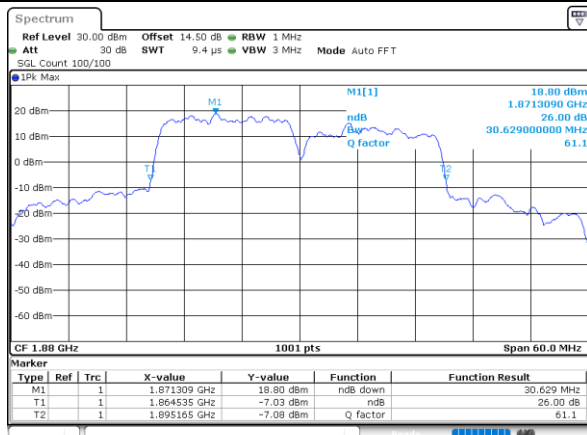
Date: 15.NOV.2023 10:25:37

Middle Channel / 15MHz+10MHz



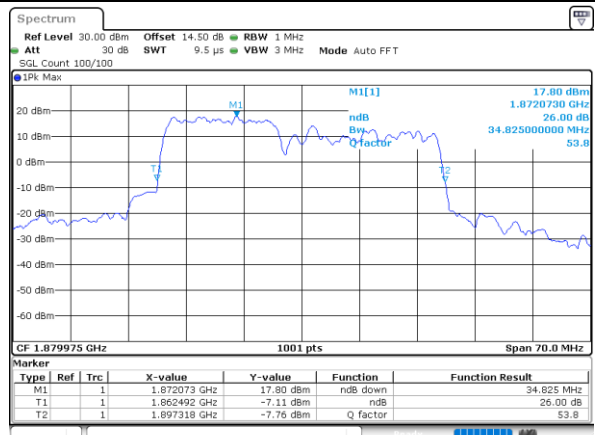
Date: 15.NOV.2023 09:15:120

Middle Channel / 15MHz+15MHz



Date: 15.NOV.2023 13:17:45

Middle Channel / 15MHz+20MHz



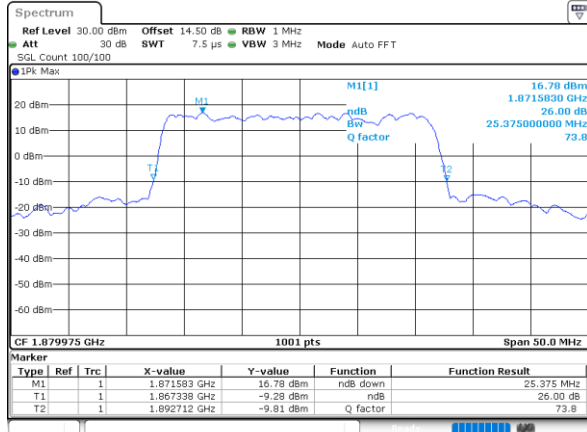
Date: 15.NOV.2023 13:41:49



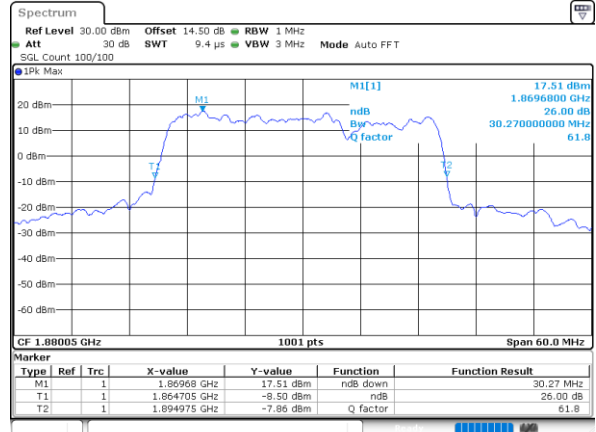
LTE Band 2C

QPSK

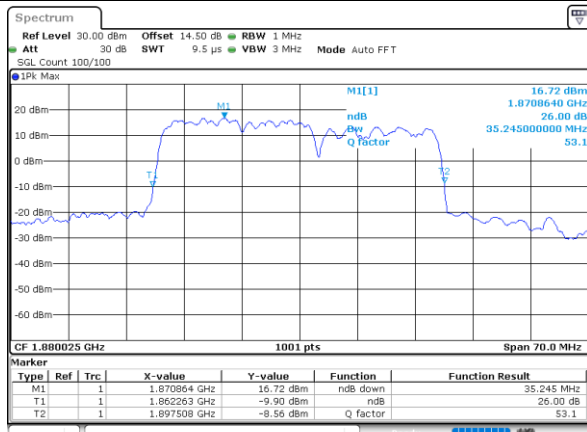
Middle Channel / 20MHz+5MHz



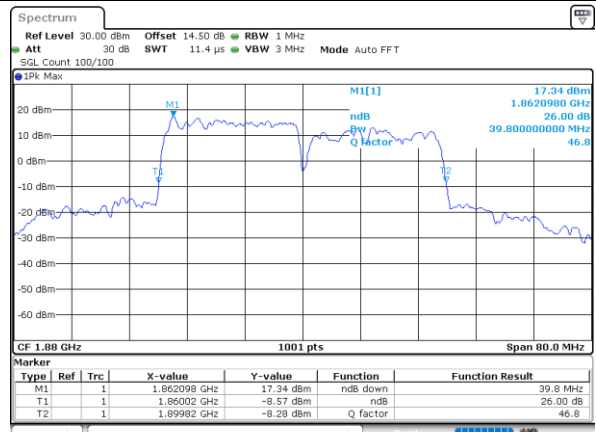
Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz

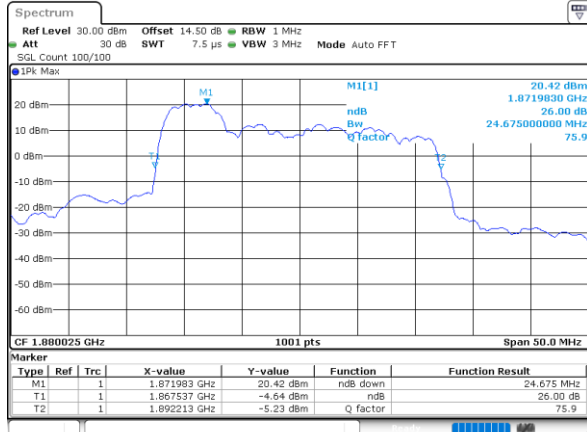




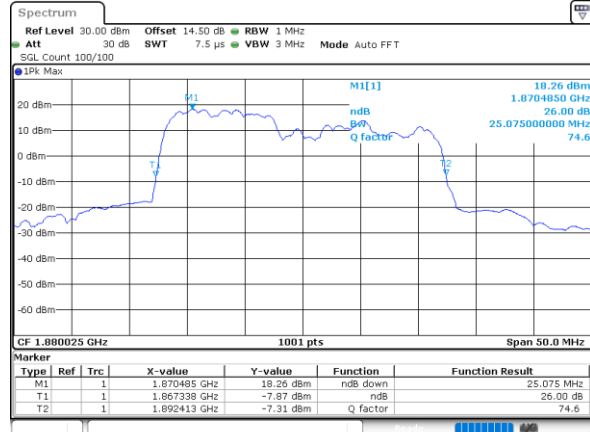
LTE Band 2C

16QAM

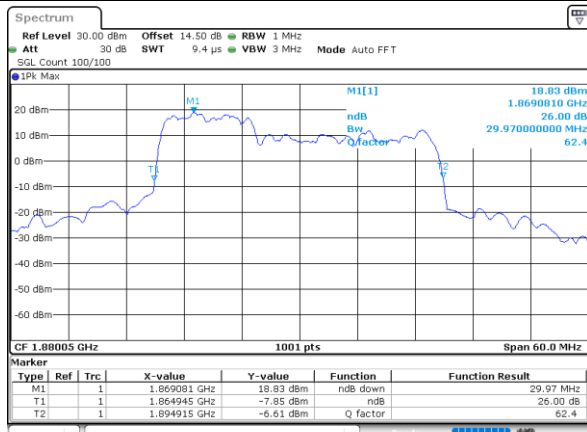
Middle Channel / 5MHz+20MHz



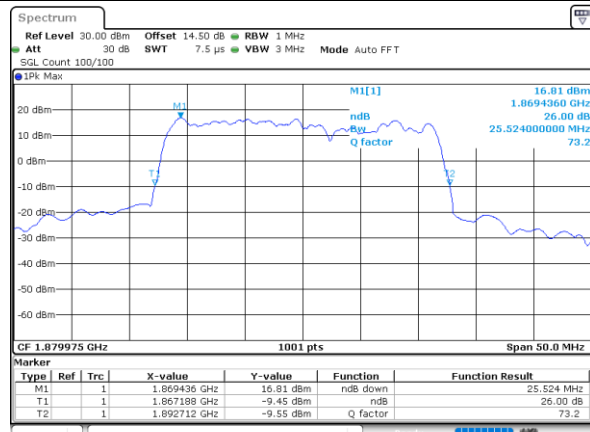
Middle Channel / 10MHz+15MHz



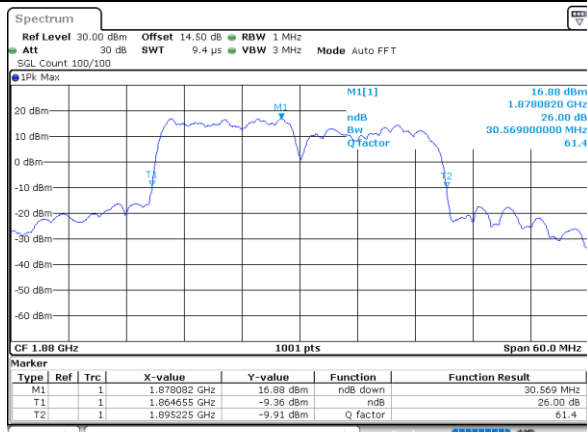
Middle Channel / 10MHz+20MHz



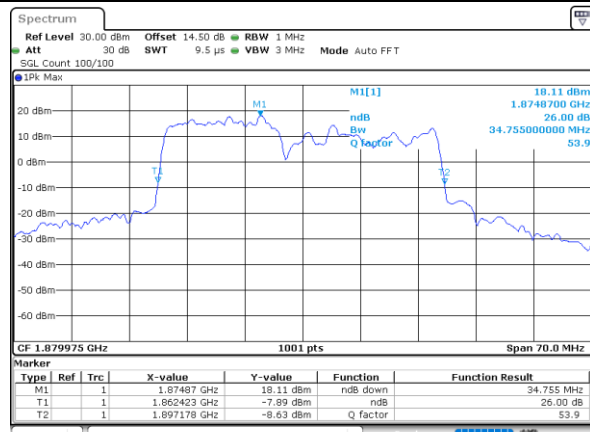
Middle Channel / 15MHz+10MHz



Middle Channel / 15MHz+15MHz



Middle Channel / 15MHz+20MHz

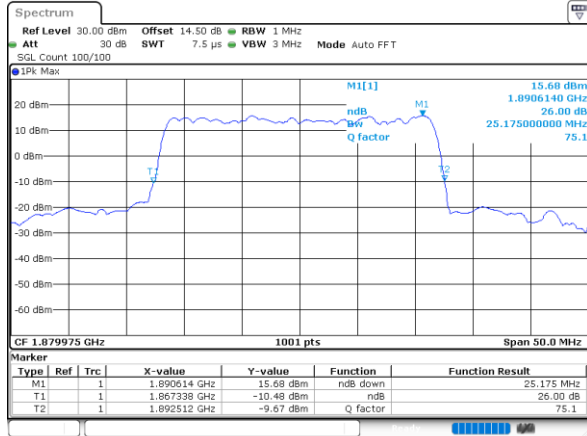




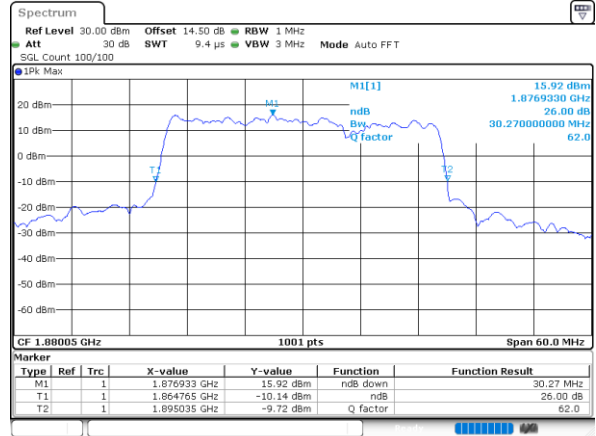
LTE Band 2C

16QAM

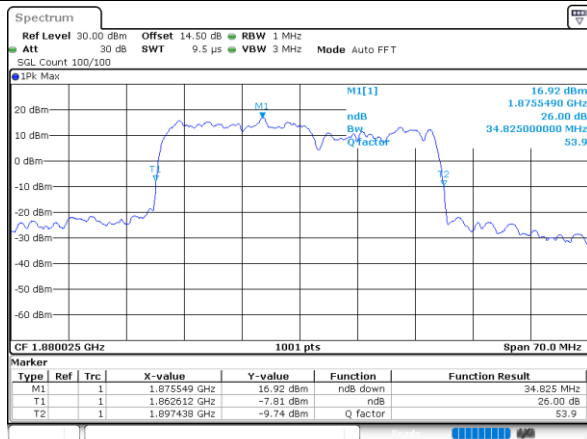
Middle Channel / 20MHz+5MHz



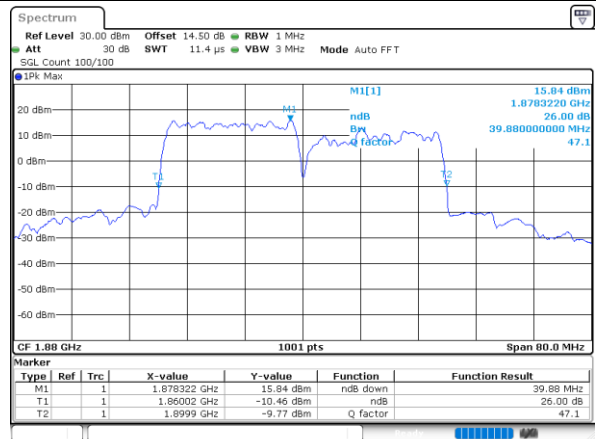
Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz



**Occupied Bandwidth**

Mode	LTE Band 2C : 99%OBW(MHz)				
QPSK					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	23.38	23.63	27.99	23.48	28.53
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	33.15	23.28	27.63	32.94	37.40

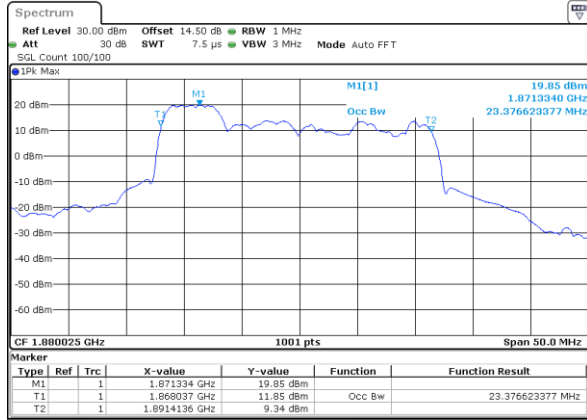
Mode	LTE Band 2C : 99%OBW(MHz)				
16QAM					
BW	5MHz+20MHz	10MHz+15MHz	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz
Middle CH	23.18	23.43	27.87	23.23	28.35
BW	15MHz+20MHz	20MHz+5MHz	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz
Middle CH	32.66	23.13	28.05	32.94	37.80



LTE Band 2C

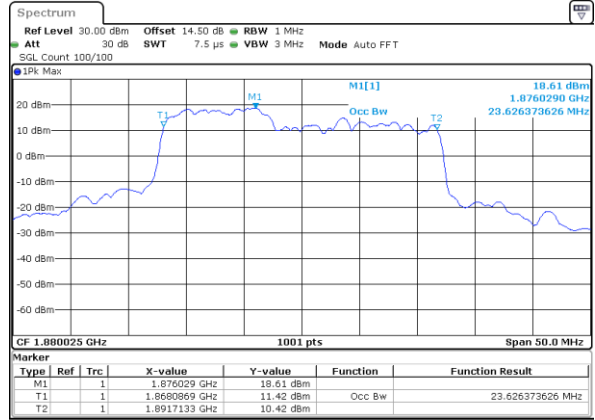
QPSK

Middle Channel / 5MHz+20MHz



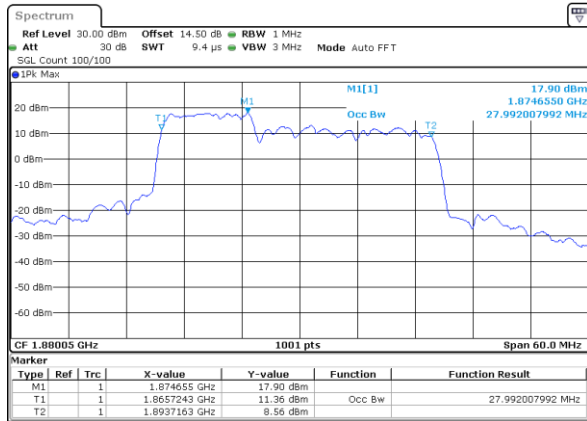
Date: 14.NOV.2023 17:08:46

Middle Channel / 10MHz+15MHz



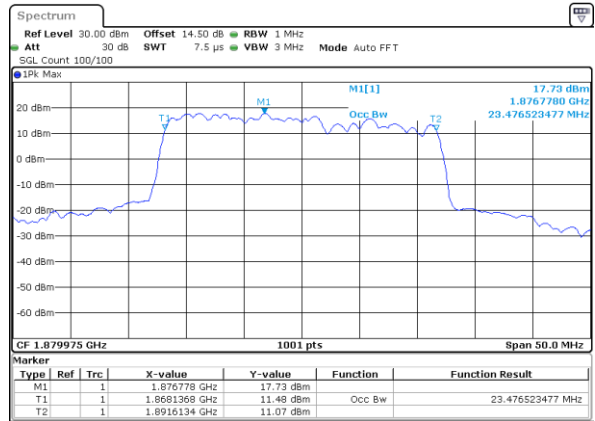
Date: 15.NOV.2023 09:12:40

Middle Channel / 10MHz+20MHz



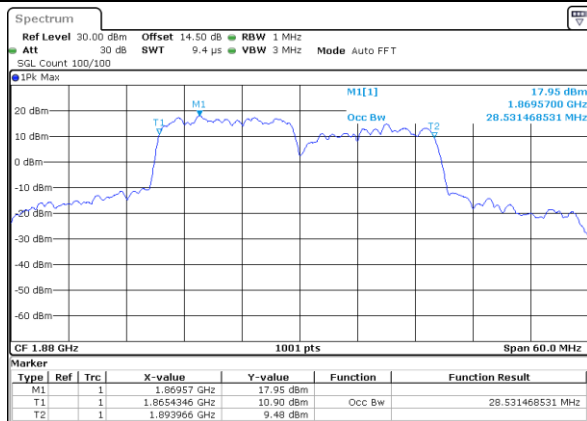
Date: 15.NOV.2023 10:23:40

Middle Channel / 15MHz+10MHz



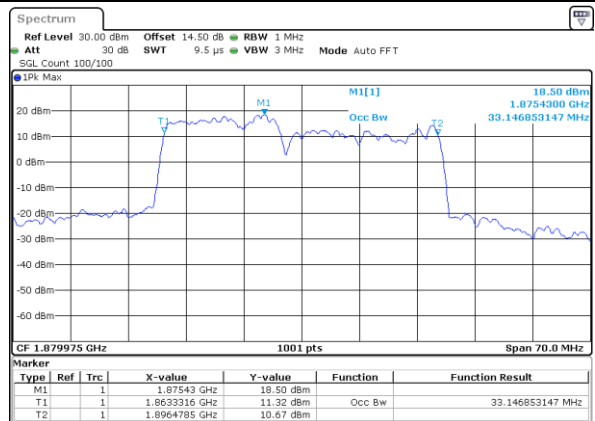
Date: 15.NOV.2023 09:12:45

Middle Channel / 15MHz+15MHz



Date: 15.NOV.2023 13:17:28

Middle Channel / 15MHz+20MHz



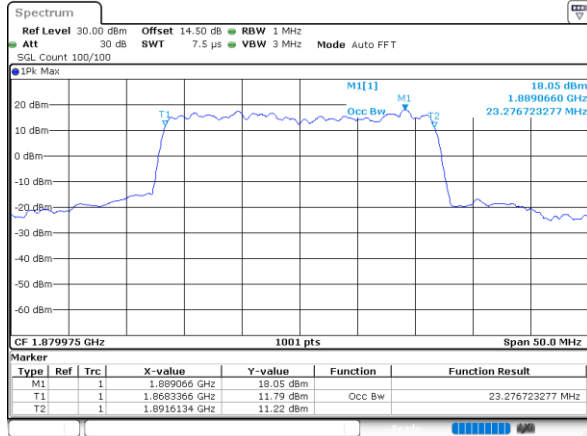
Date: 15.NOV.2023 13:41:15



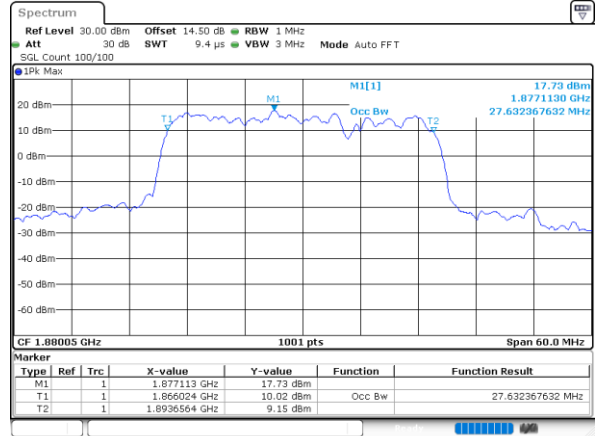
LTE Band 2C

QPSK

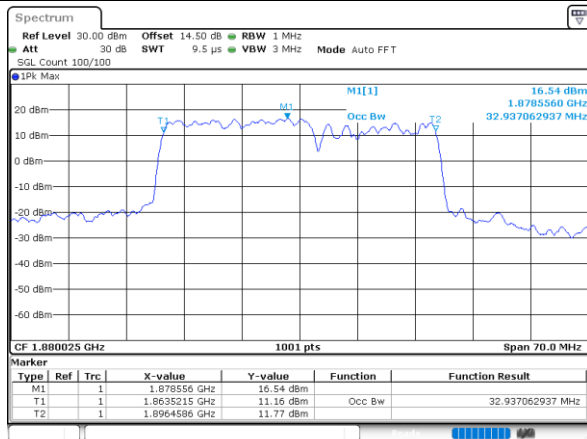
Middle Channel / 20MHz+5MHz



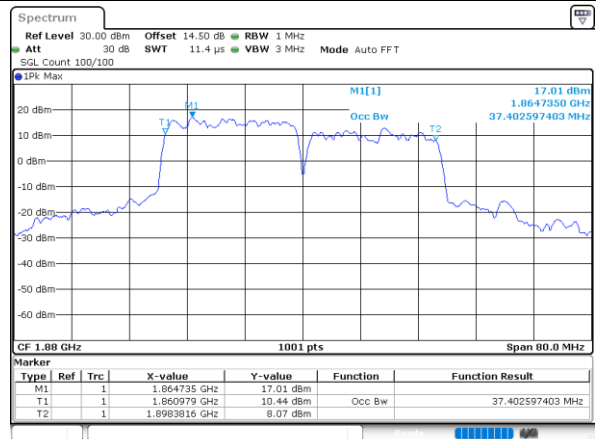
Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz

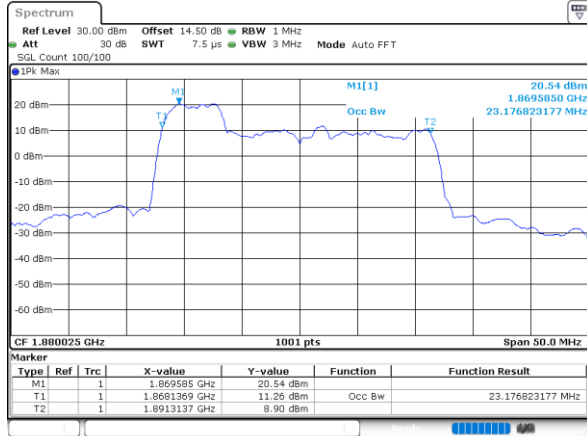




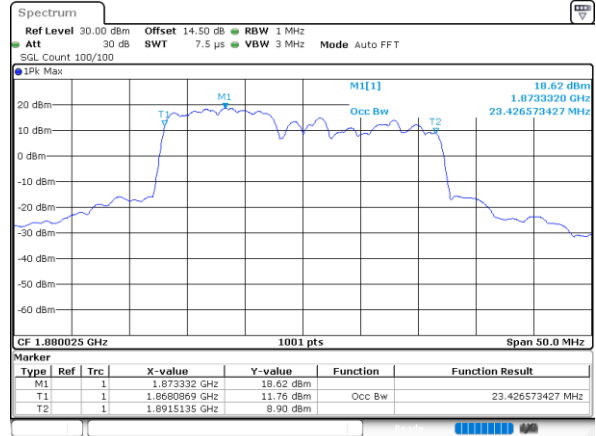
LTE Band 2C

16QAM

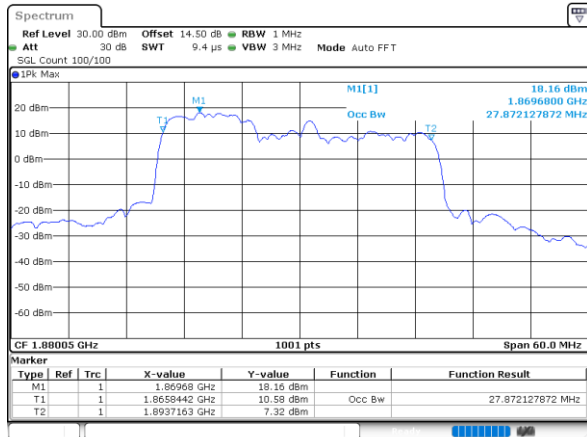
Middle Channel / 5MHz+20MHz



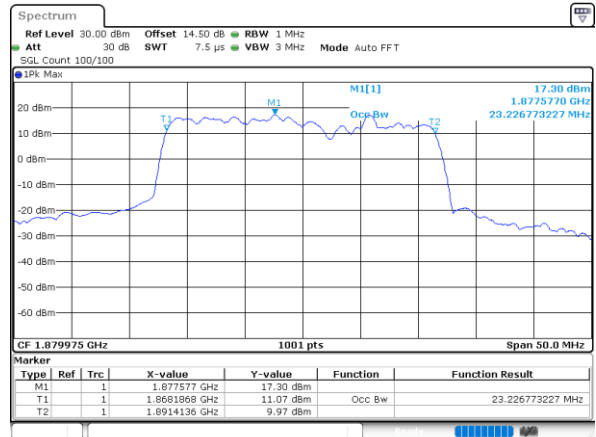
Middle Channel / 10MHz+15MHz



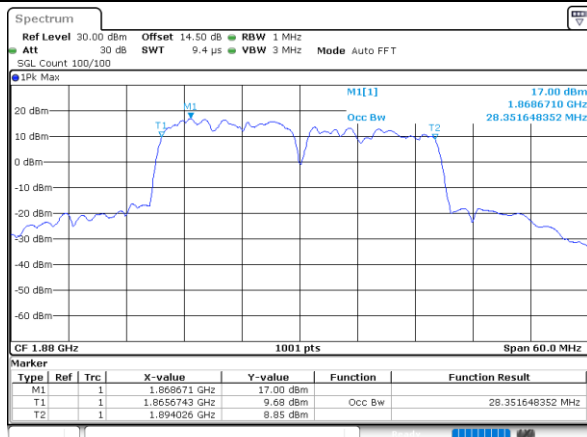
Middle Channel / 10MHz+20MHz



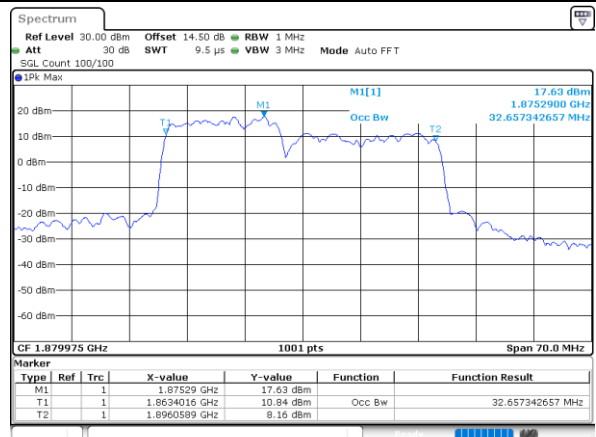
Middle Channel / 15MHz+10MHz



Middle Channel / 15MHz+15MHz



Middle Channel / 15MHz+20MHz

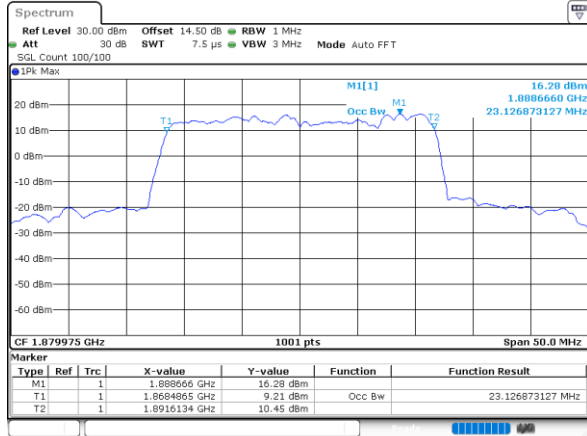




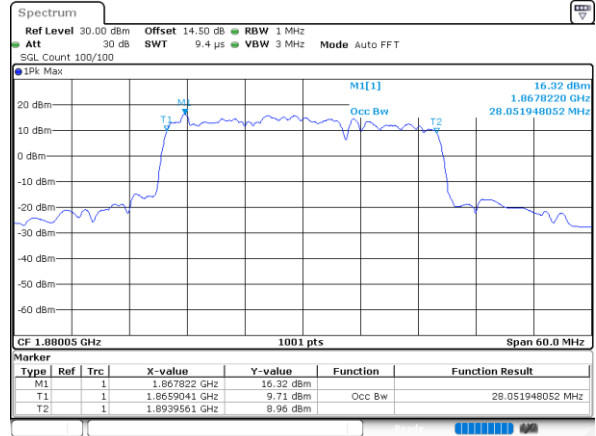
LTE Band 2C

16QAM

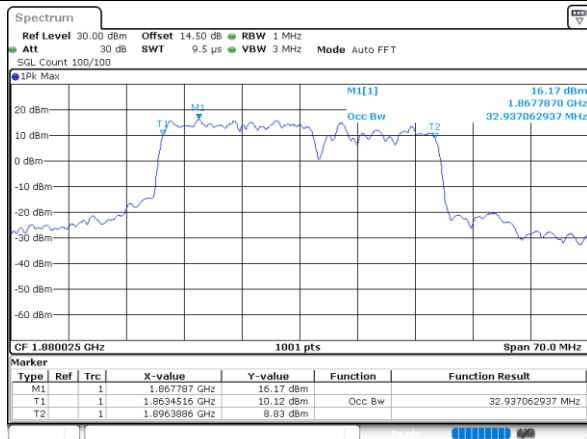
Middle Channel / 20MHz+5MHz



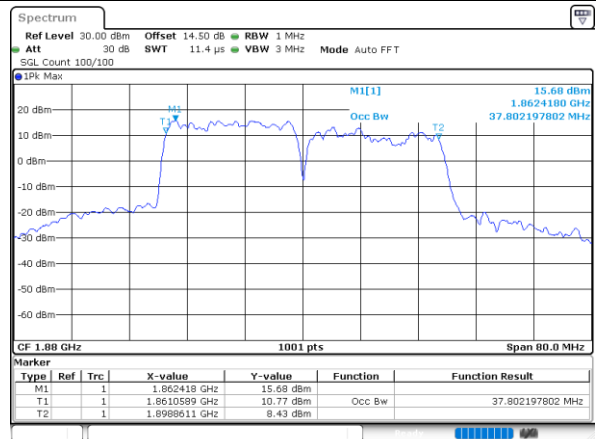
Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



Middle Channel / 20MHz+20MHz



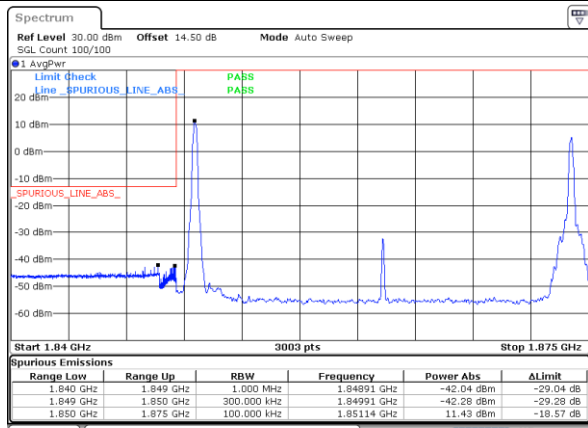


Conducted Band Edge

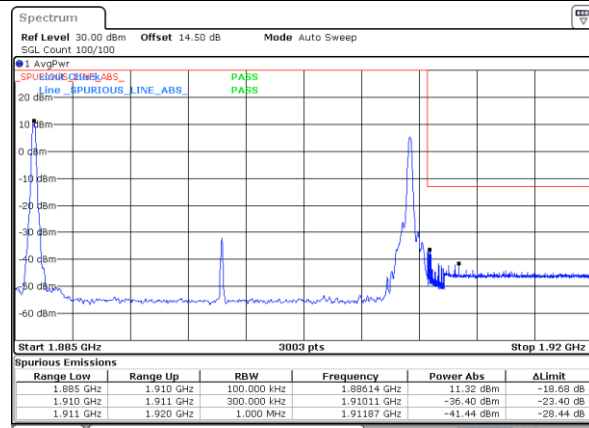
LTE Band 2C / 5MHz+20MHz

QPSK

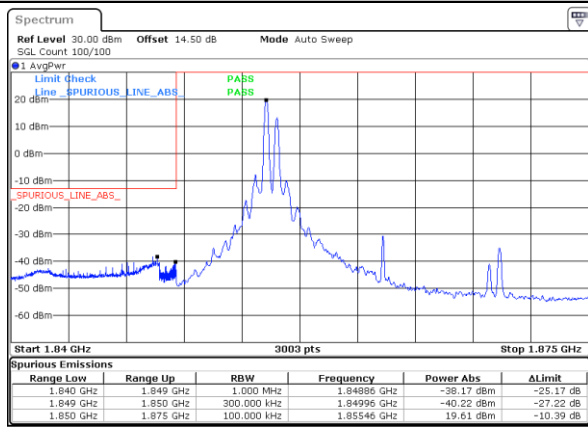
Lowest Band Edge / 1RB0 and 1RB99



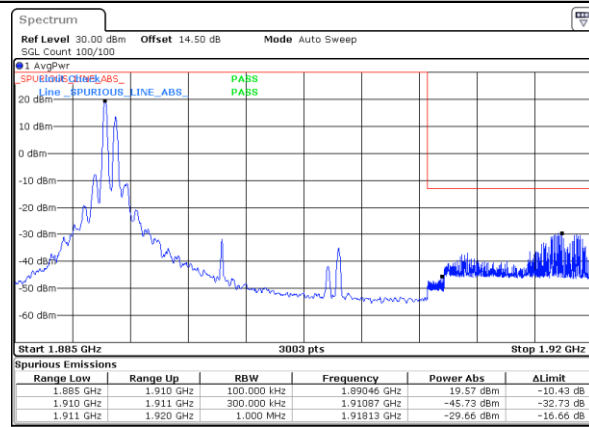
Highest Band Edge / 1RB0 and 1RB99



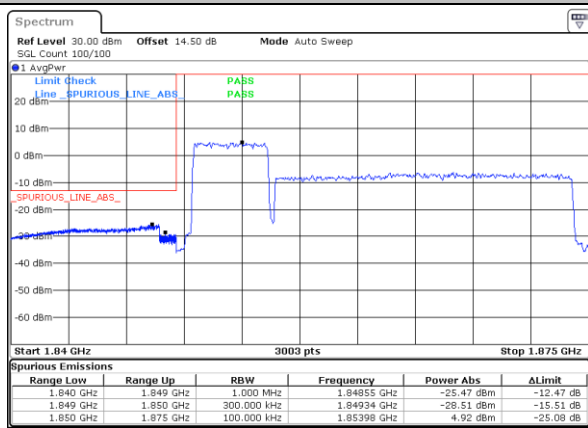
Lowest Band Edge / 1RB24 and 1RB0



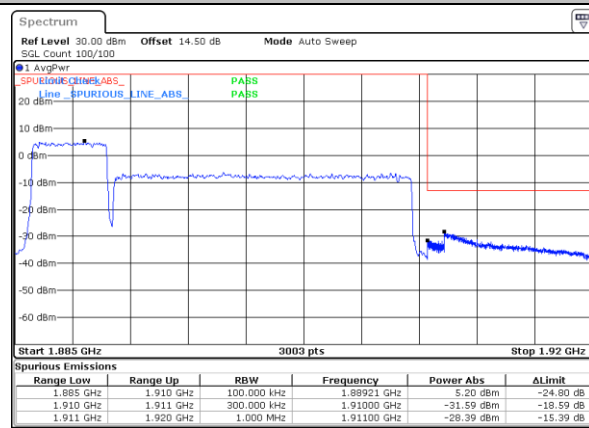
Highest Band Edge / 1RB24 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

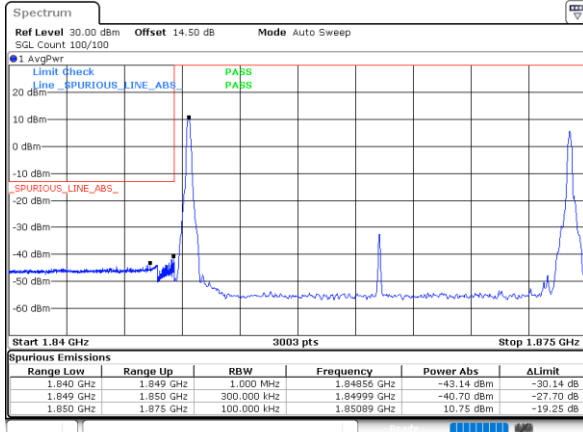




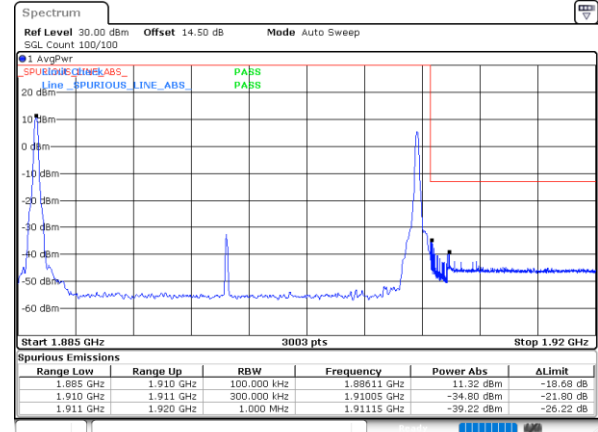
LTE Band 2C / 10MHz+15MHz

QPSK

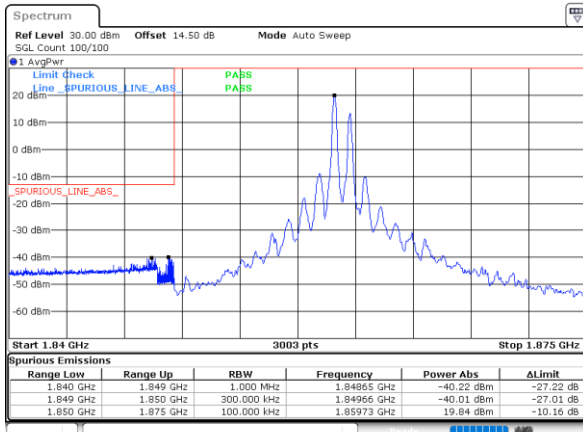
Lowest Band Edge / 1RB0 and 1RB74



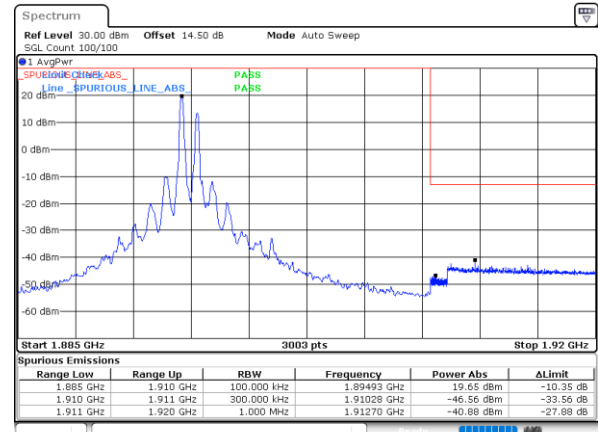
Highest Band Edge / 1RB0 and 1RB74



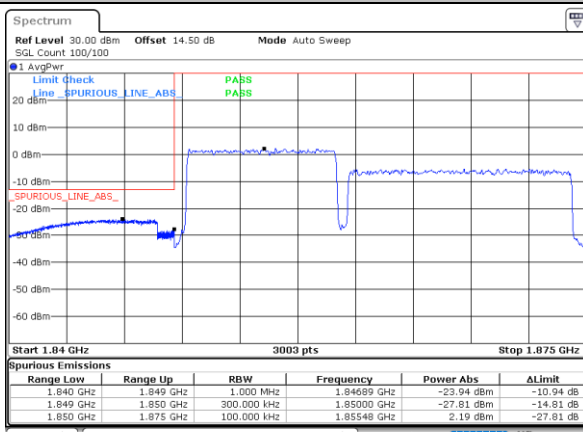
Lowest Band Edge / 1RB49 and 1RB0



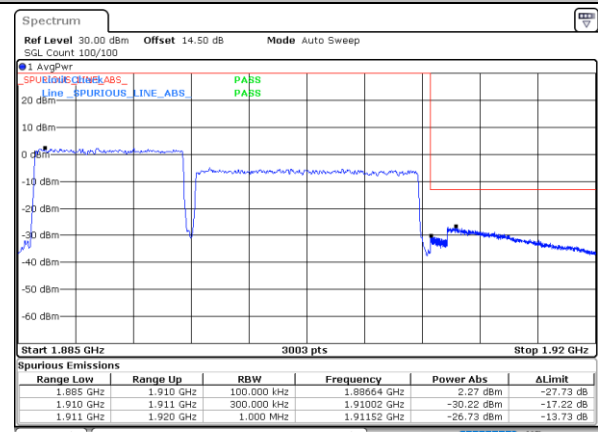
Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

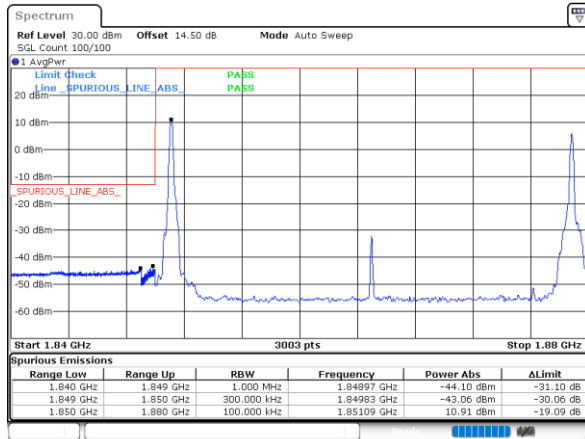




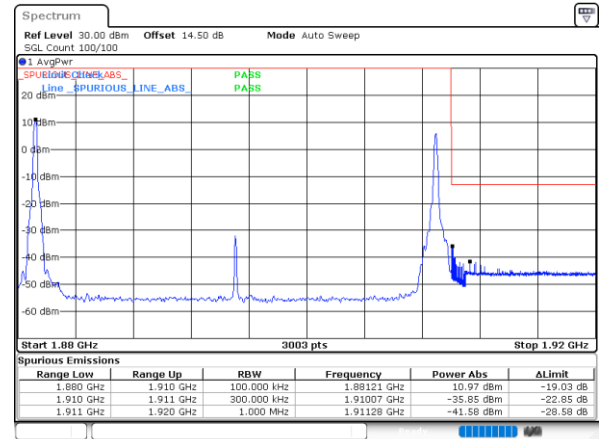
LTE Band 2C / 10MHz+20MHz

QPSK

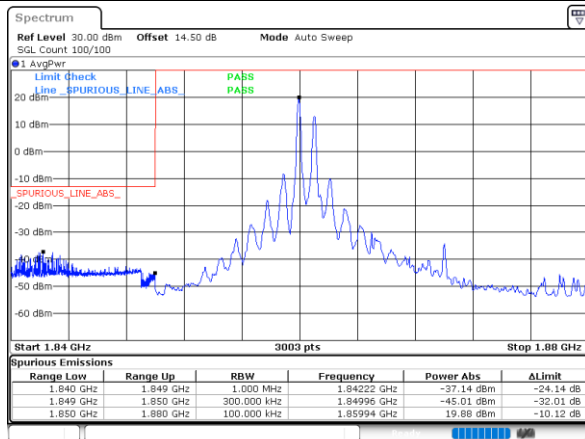
Lowest Band Edge / 1RB0 and 1RB99



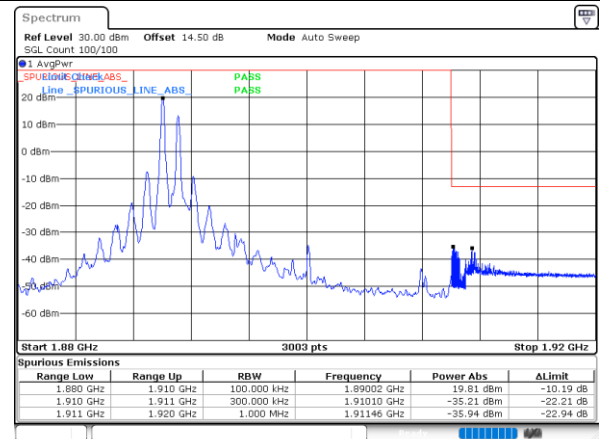
Highest Band Edge / 1RB0 and 1RB99



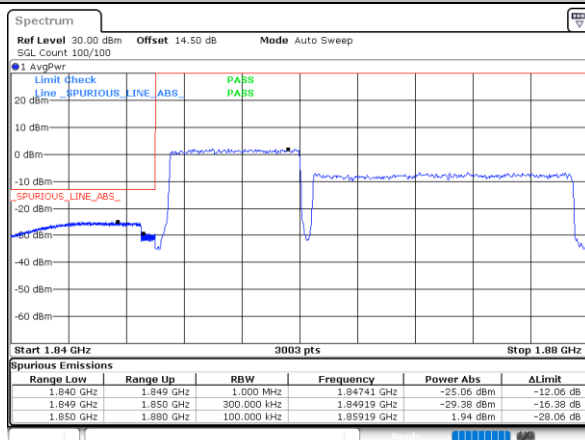
Lowest Band Edge / 1RB49 and 1RB0



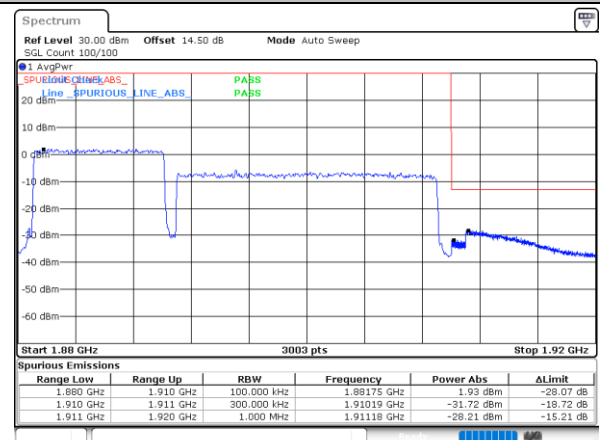
Highest Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

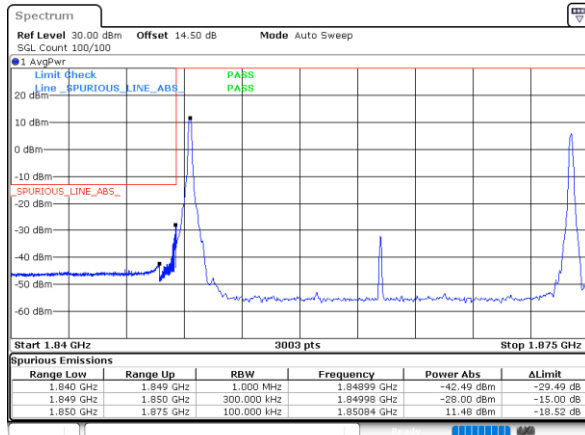




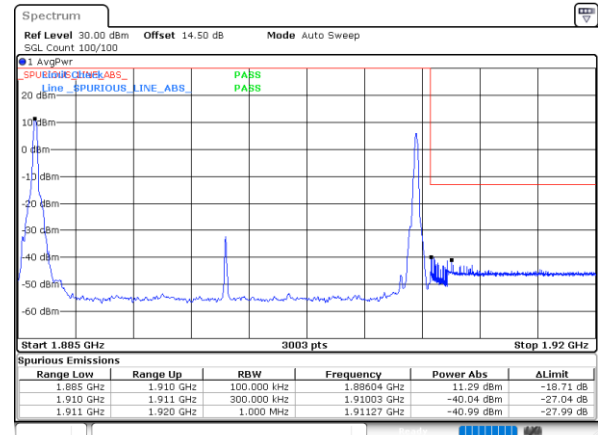
LTE Band 2C / 15MHz+10MHz

QPSK

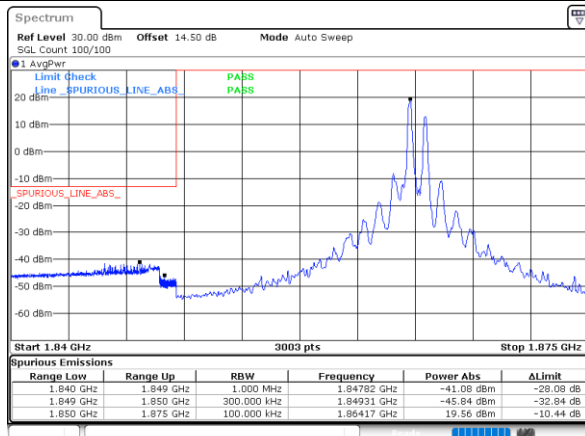
Lowest Band Edge / 1RB0 and 1RB49



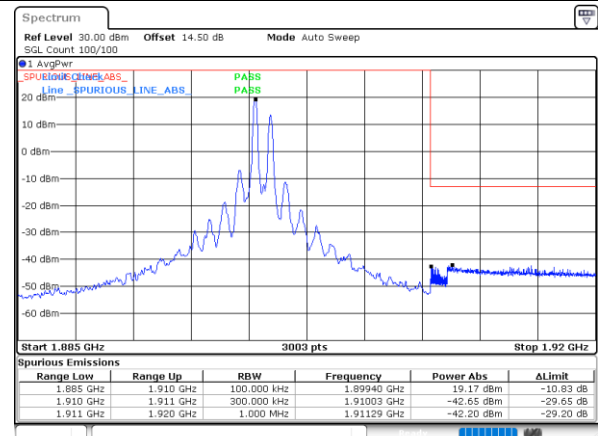
Highest Band Edge / 1RB0 and 1RB49



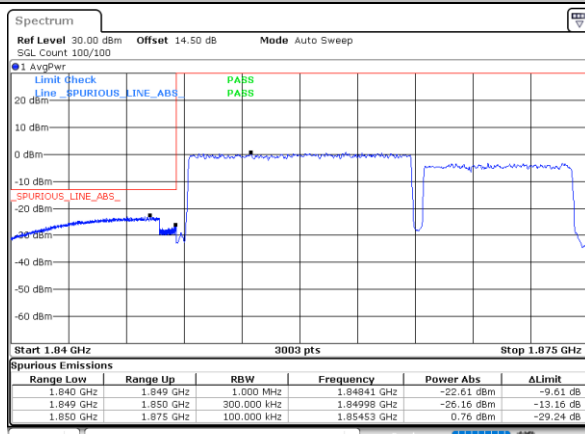
Lowest Band Edge / 1RB74 and 1RB0



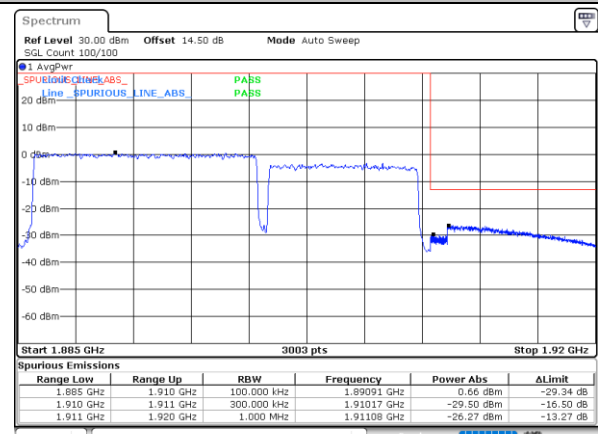
Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

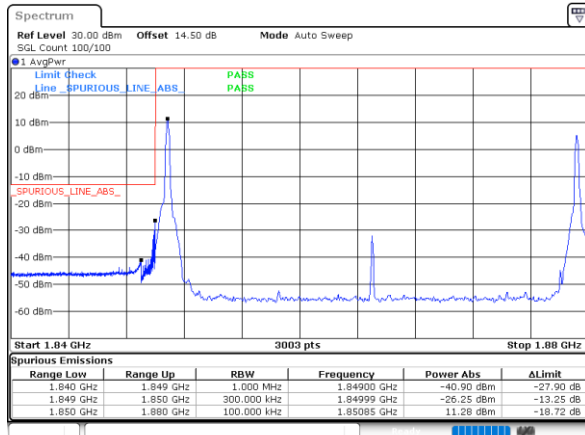




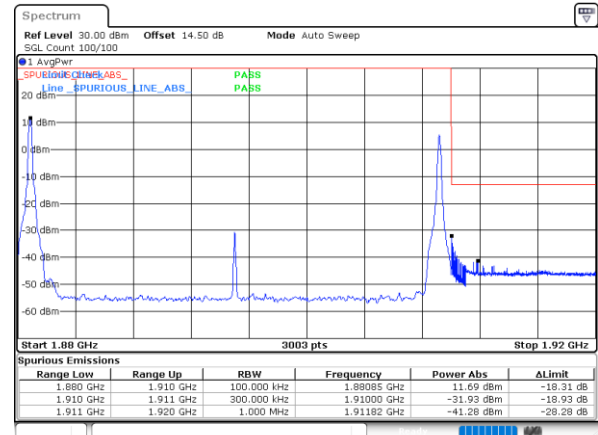
LTE Band 2C / 15MHz+15MHz

QPSK

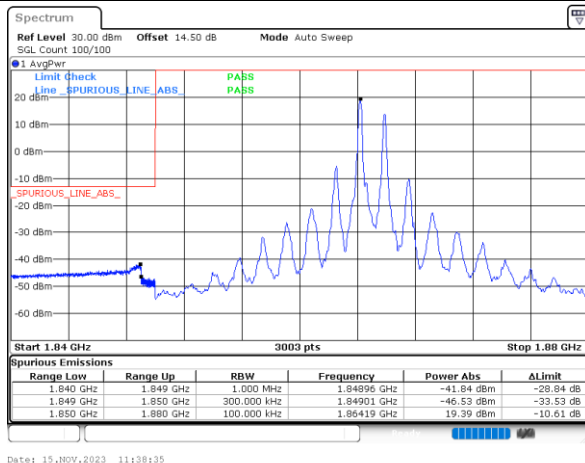
Lowest Band Edge / 1RB0 and 1RB74



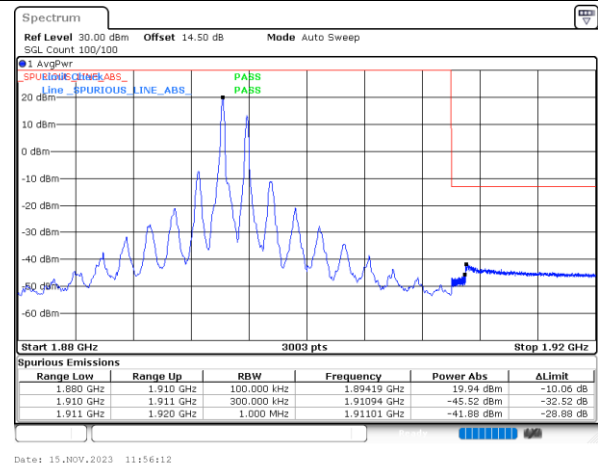
Highest Band Edge / 1RB0 and 1RB74



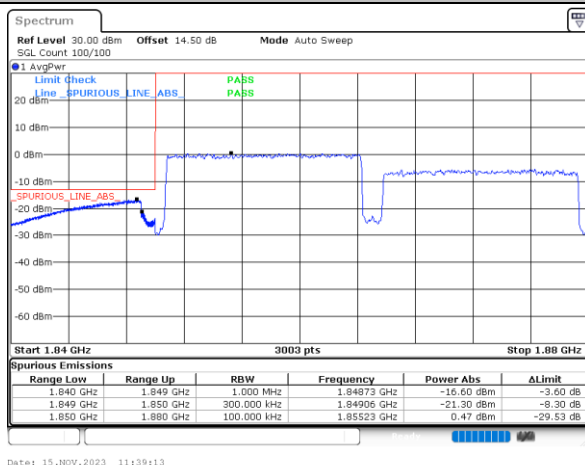
Lowest Band Edge / 1RB74 and 1RB0



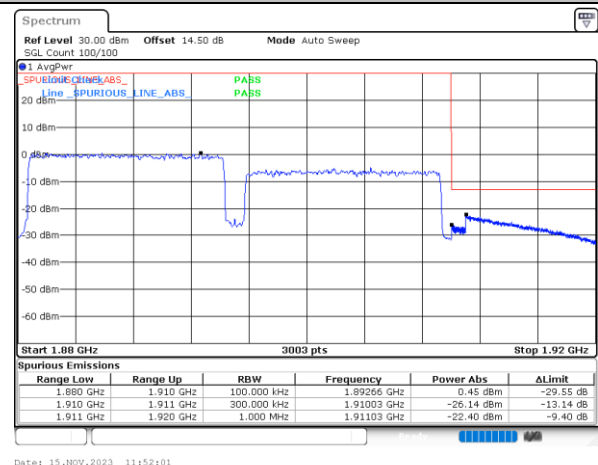
Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

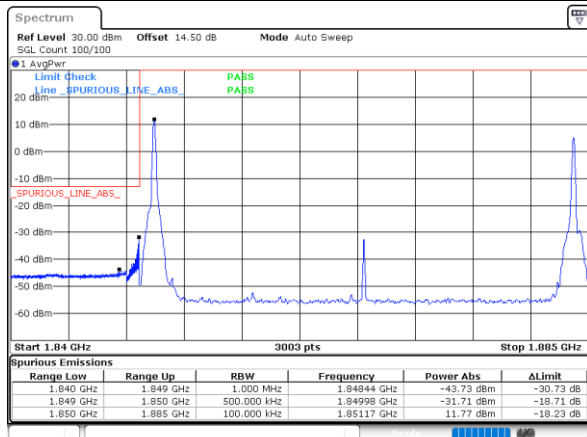




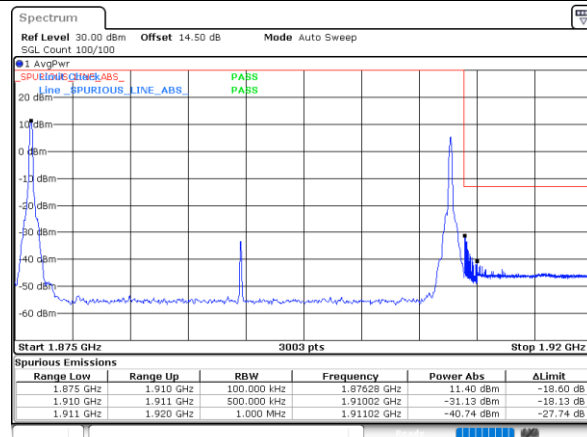
LTE Band 2C / 15MHz+20MHz

QPSK

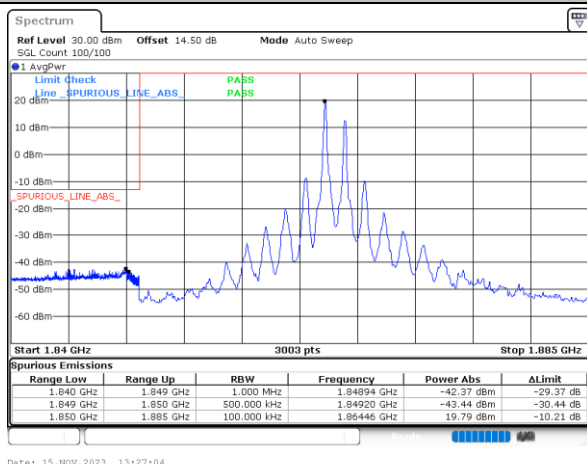
Lowest Band Edge / 1RB0 and 1RB99



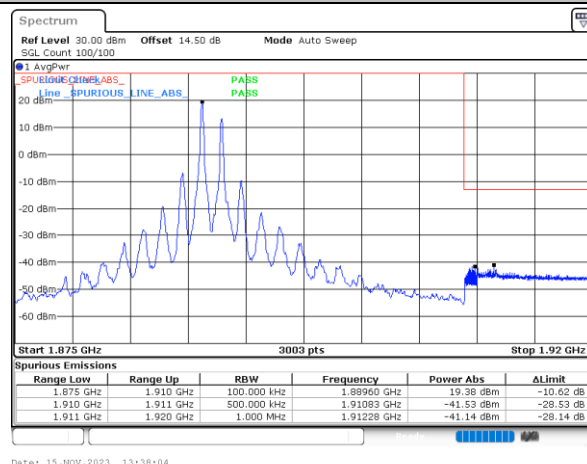
Highest Band Edge / 1RB0 and 1RB99



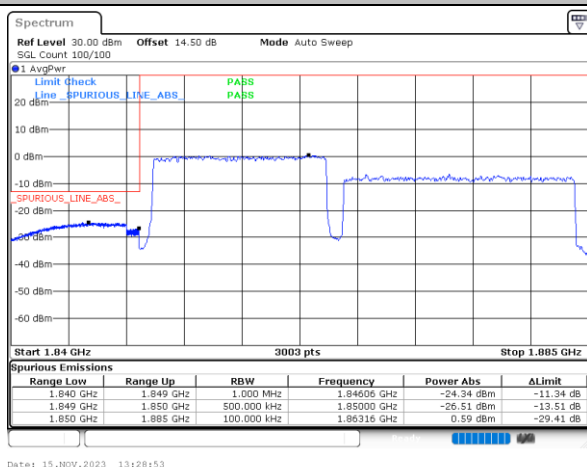
Lowest Band Edge / 1RB74 and 1RB0



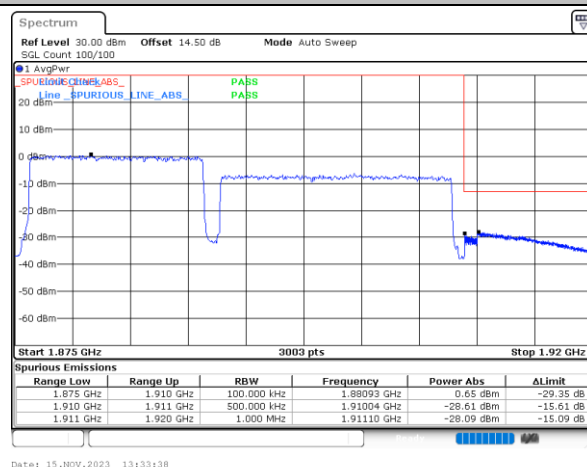
Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

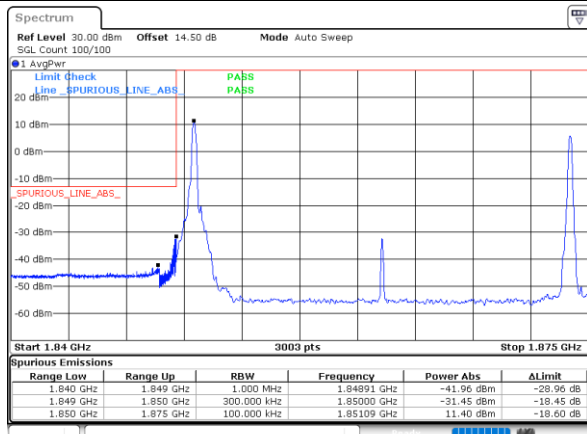




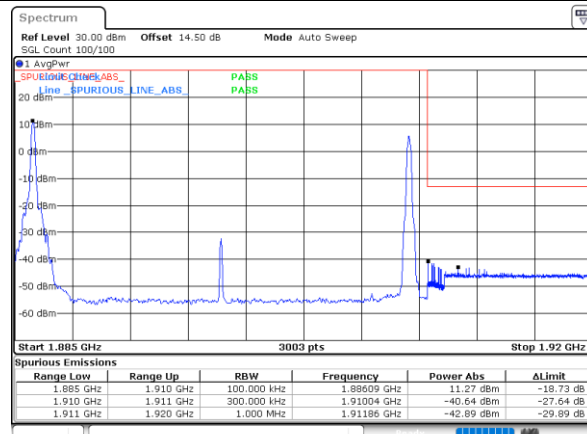
LTE Band 2C / 20MHz+5MHz

QPSK

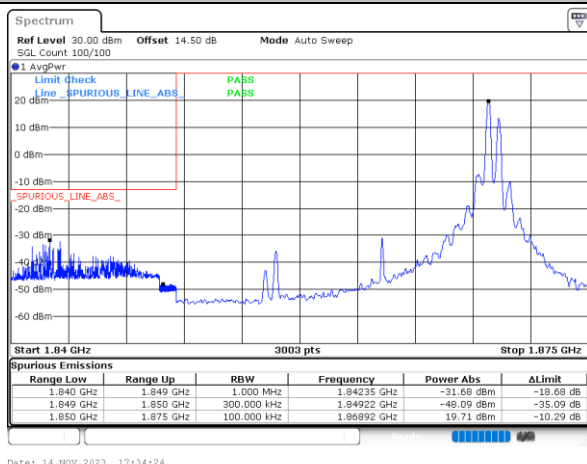
Lowest Band Edge / 1RB0 and 1RB24



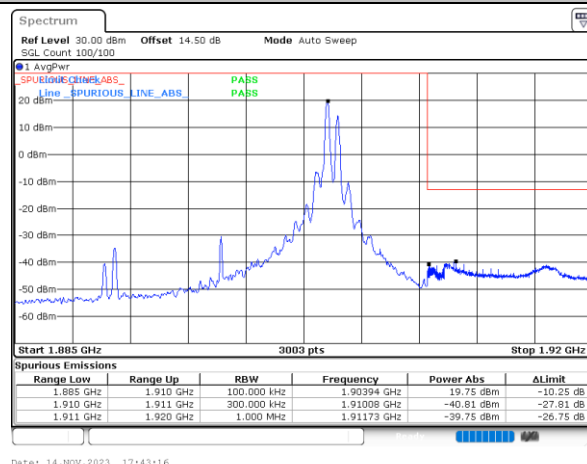
Highest Band Edge / 1RB0 and 1RB24



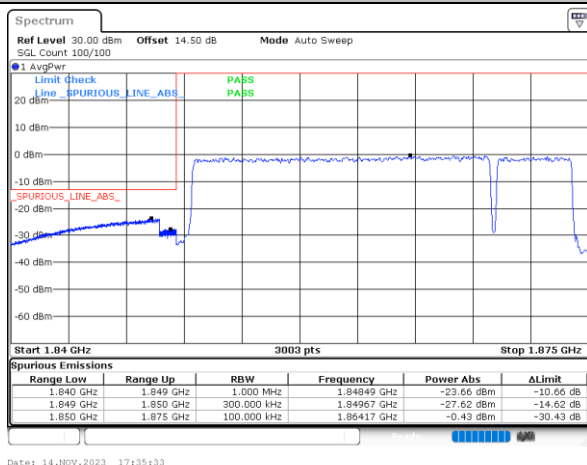
Lowest Band Edge / 1RB99 and 1RB0



Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

