



# FCC RF Test Report

APPLICANT : ASUSTeK COMPUTER INC.  
EQUIPMENT : ASUS Phone(Mobile Phone)  
BRAND NAME : ASUS  
MODEL NAME : ASUS\_AI2201\_F, ASUS\_AI2201\_D  
FCC ID : MSQAI2201  
STANDARD : 47 CFR Part 2, 22(H), 24(E), 27(L)  
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)  
TEST DATE(S) : Mar. 27, 2022 ~ May 20, 2022

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**



TABLE OF CONTENTS

REVISION HISTORY... 3
SUMMARY OF TEST RESULT ... 4
1 GENERAL DESCRIPTION ... 5
1.1 Applicant ... 5
1.2 Manufacturer ... 5
1.3 Product Feature of Equipment Under Test ... 5
1.4 Product Specification of Equipment Under Test ... 6
1.5 Modification of EUT ... 7
1.6 Maximum ERP/EIRP Power and Emission Designator ... 7
1.7 Testing Location ... 10
1.8 Test Software ... 11
1.9 Applicable Standards ... 11
2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST ... 12
2.1 Test Mode ... 12
2.2 Connection Diagram of Test System ... 15
2.3 Support Unit used in test configuration and system ... 15
2.4 Measurement Results Explanation Example ... 15
2.5 Frequency List of Low/Middle/High Channels ... 16
3 CONDUCTED TEST ITEMS ... 23
3.1 Measuring Instruments ... 23
3.2 Test Setup ... 23
3.3 Test Result of Conducted Test ... 23
3.4 Conducted Output Power and ERP/EIRP ... 24
3.5 Peak-to-Average Ratio ... 25
3.6 Occupied Bandwidth ... 26
3.7 Conducted Band Edge ... 27
3.8 Conducted Spurious Emission ... 29
3.9 Frequency Stability ... 30
4 RADIATED TEST ITEMS ... 31
4.1 Measuring Instruments ... 31
4.2 Test Setup ... 31
4.3 Test Result of Radiated Test ... 32
4.4 Radiated Spurious Emission ... 33
5 LIST OF MEASURING EQUIPMENT ... 34
6 UNCERTAINTY OF EVALUATION ... 35
APPENDIX A. TEST RESULTS OF CONDUCTED TEST
APPENDIX B. TEST RESULTS OF RADIATED TEST
APPENDIX C. TEST SETUP PHOTOGRAPHS



### REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG230112D	Rev. 01	Initial issue of report	Jul. 28, 2022



## 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(h)	Conducted Band Edge Measurement (Band 2) (Band 4) (Band 5) (Band 25) (Band 26) (Band 66)	< 43+10log <sub>10</sub> (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 <sub>10</sub> (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 <sub>10</sub> (P[Watts])	PASS	Under limit 30.31 dB at 1649.500 MHz

**Declaration of Conformity:**

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

**Comments and Explanations:**

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.



# 1 General Description

## 1.1 Applicant

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_AI2201_F, ASUS_AI2201_D
FCC ID	MSQAI2201
IMEI Code	Conducted: 353700810104792/353700810104800 Radiation: 353700810106011/353700810106029
HW Version	R3.0
SW Version	Android 12
EUT Stage	Identical Prototype

All the test were performed by SKU 2

Sample Information		
SKU	SKU 1	SKU 2
Build Stage	PR	
Config.	WW-High (with LGF)	WW-High (with PMOLED)
RF module board	WW-High(Entry)	WW-PRO
LCD + Touch front frame	AI2201 FRONT CASE ASSY WW	AI2201 FRONT CASE ASSY WW
DDR	16G (Samsung) LPDDR5 SAMSUNG/K3LK6K60BM-BGCP	18G(HYNIX) LPDDR5 HYNIX/H58GU6MK6HX042
UFS	512G (HYNIX) HYNIX HN8T25DEHKX077	512G (HYNIX) HYNIX HN8T25DEHKX077
MB	AI2201_MB	AI2201_MB
Battery	SCUD/C21P2101	SWD/C21P2101
Rear Camera 50+13M	PRIMAX/50-704JQASC8	TRIPLEWIN/CASAF-001A
Front Camera 12M	TSPRECISION/TNBF1166	LUXVISIONS/FRA-00000658
Rear Camera 5M	SHINE PHOTICS/BF515B	TSPRECISION/O5F9323 VERA1
PCB	COMPEQ	COMPEQ
CPU	QUALCOMM MPSP1518B / SM-8475-1 MPSP1518B ES	QUALCOMM MPSP1518B / SM-8475-1 MPSP1518B ES



### 1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
<b>Tx Frequency</b>	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
<b>Rx Frequency</b>	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
<b>Bandwidth</b>	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
<b>Maximum Output Power to Antenna</b>	<b>Ant 0:</b> LTE Band 5 : 24.67 dBm; LTE Band CA 5B : 24.64 dBm LTE Band 26 : 24.69 dBm <b>Ant 1:</b> LTE Band 2 : 24.53 dBm LTE Band CA 2C : 24.99 dBm LTE Band 4 : 24.52 dBm LTE Band 25 : 24.54 dBm LTE Band 66 : 24.53 dBm LTE Band CA 66B : 24.46 dBm LTE Band CA 66C : 24.50 dBm
<b>Antenna Gain</b>	<b>Ant 0:</b> LTE Band 5 : -2.58 dBi LTE Band 26 : -2.58 dBi <b>Ant 1:</b> LTE Band 2 : -0.35 dBi LTE Band 4 : 1.37 dBi LTE Band 25 : -0.35 dBi LTE Band 66 : 1.37 dBi <b>Ant 2:</b> LTE Band 2 : -5.45 dBi LTE Band 4 : -6.50 dBi LTE Band 5 : -5.54 dBi LTE Band 25 : -5.45 dBi LTE Band 26 : -5.54 dBi LTE Band 66 : -6.50 dBi <b>Ant 11:</b> LTE Band 2 : -9 dBi LTE Band 4 : -3.9 dBi



	LTE Band 66 : -3.9 dBi
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM

Remark: The maximum ERP/EIRP is calculated from max output power and max antenna gain, so only the maximum ERP/EIRP Antenna 0 for LTE Band5/5B/26 and Antenna1 for LTE Band 2/2C/4/25/66/66B/66C 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	0.2588	1M10G7D	0.2270	1M11W7D
3	1851.5 ~ 1908.5	0.2588	2M73G7D	0.2265	2M75W7D
5	1852.5 ~ 1907.5	0.2588	4M53G7D	0.2270	4M51W7D
10	1855.0 ~ 1905.0	0.2588	9M05G7D	0.2286	9M07W7D
15	1857.5 ~ 1902.5	0.2588	13M5G7D	0.2198	13M6W7D
20	1860.0 ~ 1900.0	0.2624	17M9G7D	0.2301	17M9W7D
LTE Band CA_2C		QPSK		16QAM/64QAM/256QAM	
BW (MHz)		Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5MHz+20MHz		0.2748	23M2G7D	0.2399	23M3W7D
10MHz+15MHz		0.2704	23M4G7D	0.2265	23M4W7D
10MHz+20MHz		0.2323	28M1G7D	0.1309	28M2W7D
15MHz+10MHz		0.2704	23M4G7D	0.2265	23M3W7D
15MHz+15MHz		0.2698	28M6G7D	0.2286	28M7W7D
15MHz+20MHz		0.2761	32M7G7D	0.2328	32M9W7D
20MHz+5MHz		0.2704	23M4G7D	0.2265	23M3W7D
20MHz+10MHz		0.2685	28M3G7D	0.2143	28M3W7D
20MHz+15MHz		0.2673	32M8G7D	0.2366	33M0W7D
20MHz+20MHz		0.2911	37M9G7D	0.2399	37M8W7D



LTE Band 25		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 ~ 1914.3	0.2588	1M10G7D	0.2270	1M11W7D
3	1851.5 ~ 1913.5	0.2588	2M73G7D	0.2265	2M75W7D
5	1852.5 ~ 1912.5	0.2588	4M53G7D	0.2270	4M51W7D
10	1855.0 ~ 1910.0	0.2588	9M05G7D	0.2286	9M07W7D
15	1857.5 ~ 1907.5	0.2588	13M5G7D	0.2198	13M6W7D
20	1860.0 ~ 1905.0	0.2624	17M9G7D	0.2301	17M9W7D
LTE Band 5		QPSK		16QAM/64QAM/256QAM	
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	0.0975	1M10G7D	0.0839	1M12W7D
3	825.5 ~ 847.5	0.0959	2M73G7D	0.0834	2M74W7D
5	826.5 ~ 846.5	0.0984	4M51G7D	0.0853	4M50W7D
10	829.0 ~ 844.0	0.0982	9M07G7D	0.0861	9M05W7D
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		0.0975	7M54G7D	0.0975	7M62W7D
5MHz+3MHz		0.0971	7M56G7D	0.0802	7M69W7D
5MHz+10MHz		0.0968	13M9G7D	0.0822	13M9W7D
10MHz+5MHz		0.0977	13M9G7D	0.0877	13M9W7D
10MHz+10MHz		0.0979	18M7G7D	0.0834	18M8W7D
LTE Band 26		QPSK		16QAM/64QAM/256QAM	
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	0.0975	1M10G7D	0.0839	1M12W7D
3	825.5 ~ 847.5	0.0959	2M73G7D	0.0834	2M74W7D
5	826.5 ~ 846.5	0.0984	4M51G7D	0.0853	4M50W7D
10	829.0 ~ 844.0	0.0982	9M07G7D	0.0861	9M05W7D
15	831.5 ~ 841.5	0.0991	13M5G7D	0.0845	13M5W7D
CH26765	821.5	0.0966	13M5G7D	0.0830	13M4W7D





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	0.3882	1M10G7D	0.3381	1M11W7D
3	1711.5 ~ 1753.5	0.3882	2M76G7D	0.3357	2M74W7D
5	1712.5 ~ 1752.5	0.3882	4M50G7D	0.3289	4M51W7D
10	1715.0 ~ 1750.0	0.3882	9M05G7D	0.3396	9M09W7D
15	1717.5 ~ 1747.5	0.3882	13M5G7D	0.3319	13M5W7D
20	1720.0 ~ 1745.0	0.3890	17M9G7D	0.3451	17M9W7D
LTE Band 66		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 ~ 1779.3	0.3882	1M10G7D	0.3381	1M11W7D
3	1711.5 ~ 1778.5	0.3882	2M76G7D	0.3357	2M74W7D
5	1712.5 ~ 1777.5	0.3882	4M50G7D	0.3289	4M51W7D
10	1715.0 ~ 1775.0	0.3882	9M05G7D	0.3396	9M09W7D
15	1717.5 ~ 1772.5	0.3882	13M5G7D	0.3319	13M5W7D
20	1720.0 ~ 1770.0	0.3890	17M9G7D	0.3451	17M9W7D
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		0.3793	9M31G7D	0.3388	9M33W7D
5MHz+10MHz		0.3819	13M9G7D	0.3304	13M9W7D
5MHz+15MHz		0.3811	18M2G7D	0.3327	18M3W7D
10MHz+5MHz		0.3793	13M9G7D	0.3228	13M9W7D
10MHz+10MHz		0.3828	18M7G7D	0.3304	18M8W7D
15MHz+5MHz		0.3828	18M3G7D	0.3459	18M2W7D



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	0.3776	23M3G7D	0.3289	23M3W7D
10MHz+15MHz	0.3828	23M4G7D	0.3273	23M5W7D
10MHz+20MHz	0.3750	28M1G7D	0.3206	28M0W7D
15MHz+10MHz	0.3793	23M5G7D	0.3273	23M6W7D
15MHz+15MHz	0.3758	28M7G7D	0.3170	28M8W7D
15MHz+20MHz	0.3811	32M9G7D	0.3162	33M2W7D
20MHz+5MHz	0.3750	23M4G7D	0.3228	23M5W7D
20MHz+10MHz	0.3681	28M2G7D	0.3184	28M1W7D
20MHz+15MHz	0.3698	32M9G7D	0.3133	33M1W7D
20MHz+20MHz	0.3864	37M8G7D	0.3381	37M7W7D

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.

<b>Test Firm</b>	Sporton International Inc. (Shenzhen)		
<b>Test Site Location</b>	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		
<b>Test Site No.</b>	<b>Sporton Site No.</b>	<b>FCC Designation No.</b>	<b>FCC Test Firm Registration No.</b>
	TH01-SZ	CN1256	421272



<b>Test Firm</b>	Sporton International Inc. (Shenzhen)		
<b>Test Location</b>	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City Guangdong Province China 518103 TEL: +86-755-33202398		
<b>Test Site No.</b>	<b>Sporton Site No.</b>	<b>FCC Designation No.</b>	<b>FCC Test Firm Registration No.</b>
	03CH04-SZ	CN1256	421272

### 1.8 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH04-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(X, Y, Z) to find the maximum emission(Y, Z plane).

Test Items	Band	Bandwidth (MHz)						Modulation				RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256QAM	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	v	v	
	26				v		-	v	v	v		v		v	v	v	
	66						v	v	v	v		v		v	v	v	
26dB and 99% Bandwidth	25	v	v	v	v	v	v	v	v	v				v	v	v	
	26	v	v	v	v	v	-	v	v	v				v	v	v	
	66	v	v	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	v	
	26	v	v	v	v	v	-	v	v	v		v			v	v	
	66	v	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	16QAM	64QAM	256QAM	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	v
	26	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
Radiated Spurious Emission	25	Worst Case												v	v	v	
	26	Worst Case												v	v	v	
	66	Worst Case												v	v	v	
Note	<ol style="list-style-type: none"> <li>The mark "v" means that this configuration is chosen for testing</li> <li>The mark "-" means that this bandwidth is not supported.</li> <li>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.</li> <li>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.</li> <li>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.</li> <li>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.</li> <li>For QAM modulation mode, the whole testing has assessed 16QAM&amp;64QAM mode by referring to the higher conducted power</li> </ol>																

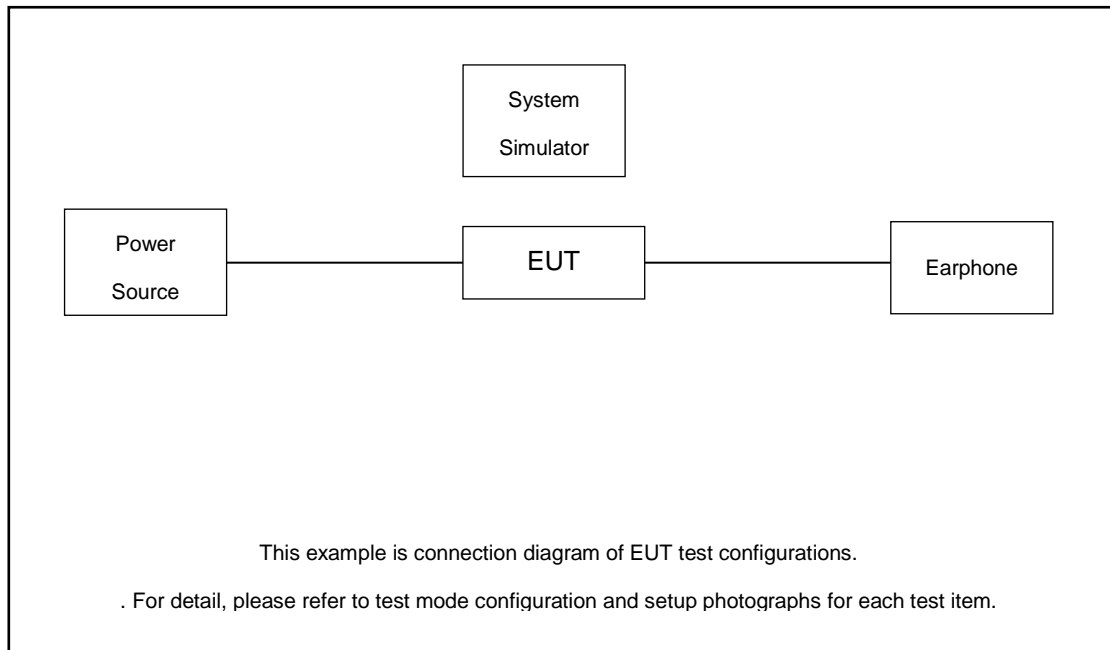
Test Items	Band	Bandwidth (MHz)										Modulation				RB #			Test Channel			
		20+20	20+15	20+10	20+5	15+20	15+15	15+10	10+20	10+15	10+5	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H	
Max. Output Power	2C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v				v	v	v
26dB and 99% Bandwidth	2C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v						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
Radiated Spurious Emission	2C_CA	Worst Case																		v	v	v
Note	<ol style="list-style-type: none"> <li>The mark "v" means that this configuration is chosen for testing</li> <li>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.</li> <li>All test items are based on engineering evaluation.</li> <li>For QAM modulation mode, the whole testing has assessed 16QAM&amp;64QAM mode by referring to the higher conducted power</li> </ol>																					



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	v	
	66B_CA	v	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	
	66B_CA	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	
	66B_CA	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	v
	66B_CA	v	v	v	v	v	v	-	-	v	v	v	v	v	v			v	v	v
Radiated Spurious Emission	5B_CA	Worst Case																v	v	v
	66B_CA	Worst Case																v	v	v
Note	1. The mark "v" means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. 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
26dB and 99% Bandwidth	66C_CA	v	v	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	
Conducted Spurious Emission	66C_CA	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	v
Radiated Spurious Emission	66C_CA	Worst Case																v	v	v	
Note	5. The mark "v" means that this configuration is chosen for testing 6. 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. 7. All test items are based on engineering evaluation. 8. 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

## 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.

$$\text{Offset} = \text{RF cable loss} + \text{attenuator factor}.$$

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

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

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

### 3 Conducted Test Items

#### 3.1 Measuring Instruments

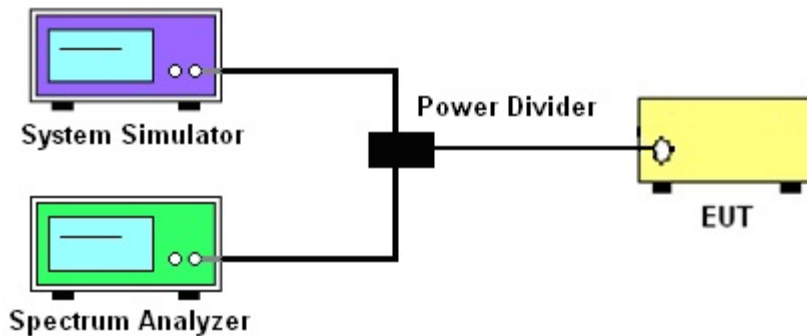
See list of measuring instruments of this test report.

#### 3.2 Test Setup

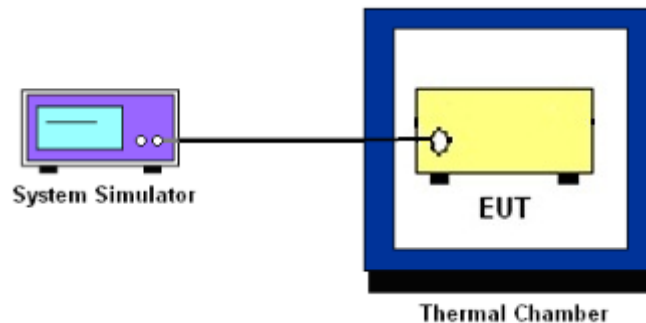
##### 3.2.1 Conducted Output Power



##### 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, 1755-1780 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 10<sup>th</sup> 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 + 10log(P)] (dB)  
= [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)  
= -13dBm.



## 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  $-30^{\circ}\text{C}$  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  $10^{\circ}\text{C}$  step up to  $50^{\circ}\text{C}$ . 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.

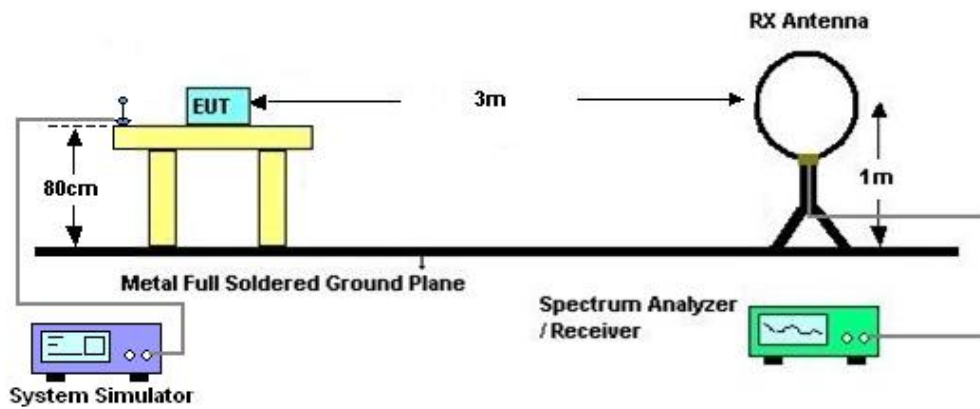
## 4 Radiated Test Items

### 4.1 Measuring Instruments

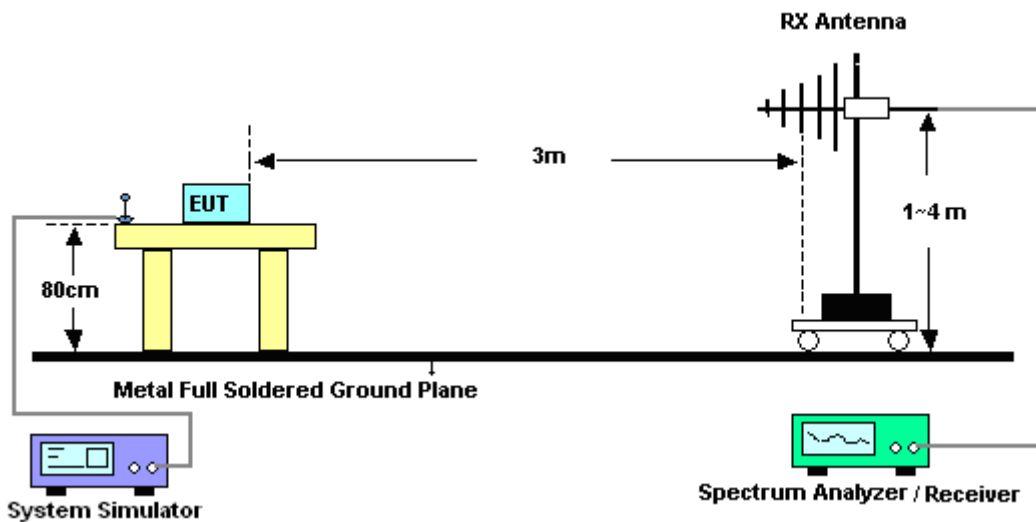
See list of measuring instruments of this test report.

### 4.2 Test Setup

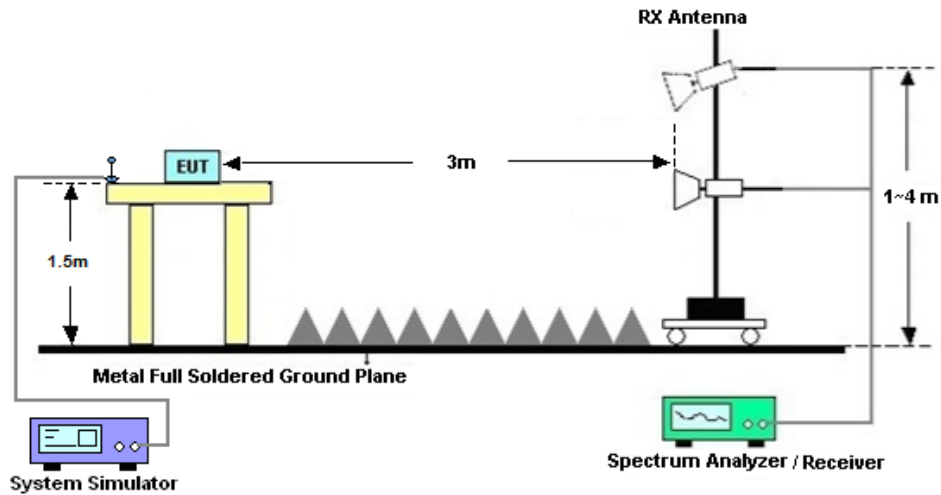
#### 4.2.1 For radiated test below 30MHz



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



## 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. 08, 2021	Mar. 27, 2022~ Apr. 11, 2022	Apr. 07, 2022	Conducted (TH01-SZ)
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 07, 2022		Apr. 06, 2023	Conducted (TH01-SZ)
Power Divider	TOJOIN	PS-2SM-04 265	60.06.020.007 7	0.4GHz~26.5GHz	Dec. 25, 2021	Mar. 27, 2022~ Apr. 11, 2022	Dec. 24, 2022	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 14, 2021	Mar. 27, 2022~ Apr. 11, 2022	Jul. 13, 2022	Conducted (TH01-SZ)
EMI Test Receiver	R&S	ESR7	101404	9kHz~7GHz	Oct. 22,2021	May 20, 2022	Oct. 21,2022	Radiation (03CH04-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 20, 2021	May 20, 2022	Jul. 19, 2022	Radiation (03CH04-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jun. 22, 2020	May 20, 2022	Jun. 21, 2022	Radiation (03CH04-SZ)
Bilog Antenna	TeseQ	CBL6111D	41909	30MHz~1GHz	Oct. 22,2021	May 20, 2022	Oct. 21,2022	Radiation (03CH04-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1474	1GHz~18GHz	Jul. 15, 2021	May 20, 2022	Jul. 14, 2022	Radiation (03CH04-SZ)
Horn Antenna	SCHWARZBECK	BBHA9170	9170#679	15GHz~40GHz	Jul. 25, 2021	May 20, 2022	Jul. 24, 2022	Radiation (03CH04-SZ)
Amplifier	Burgeon	BPA-530	102211	0.01Hz ~3000MHz	Oct. 22,2021	May 20, 2022	Oct. 21,2022	Radiation (03CH04-SZ)
HF Amplifier	MITEQ	AMF-7D-00 101800-30-1 0P-R	1943528	1GHz~18GHz	Oct. 22,2021	May 20, 2022	Oct. 21,2022	Radiation (03CH04-SZ)
HF Amplifier	MITEQ	TTA1840-35 -HG	1871923	18GHz~40GHz	Jul. 20. 2021	May 20, 2022	Jul. 19. 2022	Radiation (03CH04-SZ)
Amplifier	Agilent Technologies	83017A	MY53270156	500MHz~26.5GHz	Oct. 22,2021	May 20, 2022	Oct. 21,2022	Radiation (03CH04-SZ)
AC Power Source	Chroma	61601	N/A	N/A	NCR	May 20, 2022	NCR	Radiation (03CH04-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	May 20, 2022	NCR	Radiation (03CH04-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	May 20, 2022	NCR	Radiation (03CH04-SZ)

NCR: No Calibration Required



## 6 Uncertainty of Evaluation

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.8 dB
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### Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.1 dB
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### Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.9 dB
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### Appendix A. Test Results of Conducted Test

Test Engineer :	Fly Liang	Temperature :	22~23℃
		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	24.46	24.37	24.39
20	QPSK	1	49	24.51	24.40	24.53
20	QPSK	1	99	24.35	24.36	24.51
20	QPSK	50	0	23.47	23.37	23.48
20	QPSK	50	24	23.52	23.44	23.55
20	QPSK	50	50	23.47	23.41	23.53
20	QPSK	100	0	23.49	23.42	23.55
20	16QAM	1	0	23.77	23.65	23.75
20	16QAM	1	49	23.83	23.92	23.89
20	16QAM	1	99	23.68	23.61	23.83
20	16QAM	50	0	22.48	22.40	22.50
20	16QAM	50	24	22.54	22.45	22.58
20	16QAM	50	50	22.48	22.41	22.57
20	16QAM	100	0	22.52	22.43	22.56
20	64QAM	1	0	22.69	22.64	22.63
20	64QAM	1	49	22.78	22.65	22.85
20	64QAM	1	99	22.52	22.54	22.72
20	64QAM	50	0	21.46	21.39	21.51
20	64QAM	50	24	21.53	21.45	21.59
20	64QAM	50	50	21.47	21.41	21.56
20	64QAM	100	0	21.51	21.42	21.55
20	256QAM	1	0	19.81	19.75	19.79



20	256QAM	1	49	19.93	19.89	19.72
20	256QAM	1	99	19.68	19.71	19.53
20	256QAM	50	0	19.65	19.77	19.85
20	256QAM	50	24	19.67	19.87	19.66
20	256QAM	50	50	19.50	19.73	19.58
20	256QAM	100	0	19.52	19.76	19.48
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	24.38	24.32	24.43
15	QPSK	1	37	24.39	24.40	24.51
15	QPSK	1	74	24.30	24.30	24.46
15	QPSK	36	0	23.44	23.36	23.49
15	QPSK	36	20	23.43	23.41	23.57
15	QPSK	36	39	23.38	23.41	23.56
15	QPSK	75	0	23.41	23.41	23.57
15	16QAM	1	0	23.71	23.71	23.75
15	16QAM	1	37	23.66	23.67	23.76
15	16QAM	1	74	23.58	23.62	23.85
15	16QAM	36	0	22.47	22.38	22.51
15	16QAM	36	20	22.45	22.43	22.59
15	16QAM	36	39	22.42	22.43	22.58
15	16QAM	75	0	22.43	22.44	22.57
15	64QAM	1	0	22.61	22.65	22.68
15	64QAM	1	37	22.57	22.58	22.80
15	64QAM	1	74	22.57	22.55	22.72
15	64QAM	36	0	21.48	21.38	21.51
15	64QAM	36	20	21.44	21.44	21.58
15	64QAM	36	39	21.40	21.41	21.59
15	64QAM	75	0	21.42	21.44	21.59
15	256QAM	1	0	19.68	19.79	19.56
15	256QAM	1	37	19.88	19.91	19.45
15	256QAM	1	74	19.60	19.70	19.54
15	256QAM	36	0	19.47	19.72	19.71
15	256QAM	36	20	19.45	19.88	19.68
15	256QAM	36	39	19.48	19.45	19.52
15	256QAM	75	0	19.38	19.71	19.44



Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	24.36	24.35	24.49
10	QPSK	1	25	24.33	24.34	24.52
10	QPSK	1	49	24.27	24.27	24.45
10	QPSK	25	0	23.37	23.36	23.50
10	QPSK	25	12	23.45	23.44	23.59
10	QPSK	25	25	23.37	23.37	23.52
10	QPSK	50	0	23.41	23.40	23.56
10	16QAM	1	0	23.79	23.82	23.85
10	16QAM	1	25	23.69	23.70	23.87
10	16QAM	1	49	23.66	23.70	23.91
10	16QAM	25	0	22.42	22.38	22.52
10	16QAM	25	12	22.46	22.42	22.59
10	16QAM	25	25	22.40	22.38	22.56
10	16QAM	50	0	22.41	22.39	22.56
10	64QAM	1	0	22.57	22.64	22.71
10	64QAM	1	25	22.57	22.57	22.78
10	64QAM	1	49	22.45	22.54	22.70
10	64QAM	25	0	21.38	21.38	21.51
10	64QAM	25	12	21.45	21.44	21.60
10	64QAM	25	25	21.39	21.38	21.53
10	64QAM	50	0	21.42	21.39	21.56
10	256QAM	1	0	19.55	19.48	19.67
10	256QAM	1	25	19.86	19.79	19.54
10	256QAM	1	49	19.48	19.70	19.40
10	256QAM	25	0	19.72	19.63	19.83
10	256QAM	25	12	19.55	19.85	19.42
10	256QAM	25	25	19.34	19.60	19.57
10	256QAM	50	0	19.43	19.68	19.34
Channel				18625	18900	19175
Frequency (MHz)				1852.5	1880	1907.5
5	QPSK	1	0	24.28	24.26	24.45
5	QPSK	1	12	24.37	24.34	24.52
5	QPSK	1	24	24.20	24.20	24.40
5	QPSK	12	0	23.37	23.29	23.46



5	QPSK	12	7	23.36	23.35	23.54
5	QPSK	12	13	23.24	23.23	23.45
5	QPSK	25	0	23.31	23.30	23.49
5	16QAM	1	0	23.64	23.60	23.84
5	16QAM	1	12	23.75	23.76	23.91
5	16QAM	1	24	23.56	23.60	23.79
5	16QAM	12	0	22.43	22.31	22.51
5	16QAM	12	7	22.39	22.38	22.56
5	16QAM	12	13	22.30	22.29	22.47
5	16QAM	25	0	22.33	22.32	22.51
5	64QAM	1	0	22.55	22.50	22.68
5	64QAM	1	12	22.57	22.59	22.75
5	64QAM	1	24	22.42	22.46	22.66
5	64QAM	12	0	21.41	21.30	21.49
5	64QAM	12	7	21.37	21.37	21.53
5	64QAM	12	13	21.28	21.28	21.49
5	64QAM	25	0	21.34	21.33	21.51
5	256QAM	1	0	19.66	19.65	19.87
5	256QAM	1	12	19.84	19.82	19.62
5	256QAM	1	24	19.46	19.46	19.46
5	256QAM	12	0	19.41	19.72	19.83
5	256QAM	12	7	19.57	19.62	19.74
5	256QAM	12	13	19.56	19.47	19.63
5	256QAM	25	0	19.37	19.84	19.44
Channel				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	24.34	24.34	24.50
3	QPSK	1	8	24.35	24.34	24.52
3	QPSK	1	14	24.19	24.19	24.35
3	QPSK	8	0	23.43	23.42	23.53
3	QPSK	8	4	23.37	23.38	23.57
3	QPSK	8	7	23.32	23.30	23.50
3	QPSK	15	0	23.34	23.34	23.53
3	16QAM	1	0	23.73	23.72	23.82
3	16QAM	1	8	23.74	23.77	23.97
3	16QAM	1	14	23.60	23.57	23.81



3	16QAM	8	0	22.50	22.50	22.59
3	16QAM	8	4	22.45	22.45	22.68
3	16QAM	8	7	22.40	22.39	22.58
3	16QAM	15	0	22.39	22.38	22.56
3	64QAM	1	0	22.59	22.59	22.75
3	64QAM	1	8	22.54	22.59	22.78
3	64QAM	1	14	22.46	22.42	22.65
3	64QAM	8	0	21.47	21.44	21.56
3	64QAM	8	4	21.44	21.42	21.62
3	64QAM	8	7	21.34	21.37	21.54
3	64QAM	15	0	21.41	21.38	21.56
3	256QAM	1	0	19.78	19.48	19.52
3	256QAM	1	8	19.76	19.83	19.68
3	256QAM	1	14	19.66	19.74	19.39
3	256QAM	8	0	19.52	19.70	19.66
3	256QAM	8	4	19.65	19.67	19.68
3	256QAM	8	7	19.30	19.46	19.40
3	256QAM	15	0	19.60	19.56	19.32
Channel				18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	24.29	24.30	24.51
1.4	QPSK	1	3	24.26	24.28	24.46
1.4	QPSK	1	5	24.21	24.22	24.40
1.4	QPSK	3	0	24.33	24.34	24.52
1.4	QPSK	3	1	24.34	24.33	24.51
1.4	QPSK	3	3	24.28	24.30	24.47
1.4	QPSK	6	0	23.29	23.29	23.48
1.4	16QAM	1	0	23.75	23.70	23.93
1.4	16QAM	1	3	23.70	23.71	23.88
1.4	16QAM	1	5	23.65	23.62	23.80
1.4	16QAM	3	0	23.51	23.51	23.67
1.4	16QAM	3	1	23.52	23.49	23.70
1.4	16QAM	3	3	23.48	23.42	23.64
1.4	16QAM	6	0	22.39	22.38	22.57
1.4	64QAM	1	0	22.47	22.52	22.73
1.4	64QAM	1	3	22.55	22.58	22.75





1.4	64QAM	1	5	22.48	22.43	22.70
1.4	64QAM	3	0	22.47	22.43	22.63
1.4	64QAM	3	1	22.45	22.44	22.65
1.4	64QAM	3	3	22.42	22.43	22.62
1.4	64QAM	6	0	21.35	21.38	21.52
1.4	256QAM	1	0	19.73	19.63	19.64
1.4	256QAM	1	3	19.88	19.82	19.76
1.4	256QAM	1	5	19.42	19.64	19.51
1.4	256QAM	3	0	19.71	19.52	19.88
1.4	256QAM	3	1	19.40	19.95	19.54
1.4	256QAM	3	3	19.41	19.75	19.59
1.4	256QAM	6	0	19.24	19.54	19.34



LTE Band 4-Ant 1						
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	24.48	24.50	24.52
20	QPSK	1	49	24.47	24.48	24.50
20	QPSK	1	99	24.39	24.41	24.47
20	QPSK	50	0	23.48	23.44	23.48
20	QPSK	50	24	23.53	23.52	23.57
20	QPSK	50	50	23.47	23.46	23.49
20	QPSK	100	0	23.50	23.49	23.53
20	16QAM	1	0	23.81	23.73	23.81
20	16QAM	1	49	23.92	23.90	24.03
20	16QAM	1	99	23.64	23.73	23.70
20	16QAM	50	0	22.50	22.48	22.50
20	16QAM	50	24	22.56	22.51	22.59
20	16QAM	50	50	22.49	22.46	22.53
20	16QAM	100	0	22.53	22.52	22.54
20	64QAM	1	0	22.67	22.68	22.68
20	64QAM	1	49	22.84	22.82	22.78
20	64QAM	1	99	22.59	22.61	22.65
20	64QAM	50	0	21.47	21.46	21.51
20	64QAM	50	24	21.56	21.54	21.56
20	64QAM	50	50	21.50	21.47	21.52
20	64QAM	100	0	21.52	21.51	21.55
20	256QAM	1	0	19.73	19.76	19.71
20	256QAM	1	49	19.58	19.86	19.72
20	256QAM	1	99	19.62	19.74	19.62
20	256QAM	50	0	19.44	19.62	19.62
20	256QAM	50	24	19.47	19.64	19.70
20	256QAM	50	50	19.36	19.61	19.51
20	256QAM	100	0	19.69	19.65	19.52
Channel				20025	20175	20325
Frequency (MHz)				1717.5	1732.5	1747.5



15	QPSK	1	0	24.45	24.39	24.44
15	QPSK	1	37	24.45	24.44	24.50
15	QPSK	1	74	24.36	24.34	24.39
15	QPSK	36	0	23.47	23.43	23.48
15	QPSK	36	20	23.54	23.51	23.57
15	QPSK	36	39	23.47	23.45	23.53
15	QPSK	75	0	23.50	23.47	23.54
15	16QAM	1	0	23.79	23.79	23.78
15	16QAM	1	37	23.87	23.72	23.81
15	16QAM	1	74	23.67	23.64	23.69
15	16QAM	36	0	22.48	22.44	22.51
15	16QAM	36	20	22.58	22.53	22.59
15	16QAM	36	39	22.51	22.47	22.55
15	16QAM	75	0	22.51	22.48	22.57
15	64QAM	1	0	22.67	22.65	22.67
15	64QAM	1	37	22.78	22.69	22.76
15	64QAM	1	74	22.63	22.56	22.65
15	64QAM	36	0	21.47	21.44	21.50
15	64QAM	36	20	21.55	21.51	21.59
15	64QAM	36	39	21.49	21.48	21.54
15	64QAM	75	0	21.51	21.49	21.54
15	256QAM	1	0	19.42	19.41	19.37
15	256QAM	1	37	19.44	19.47	19.54
15	256QAM	1	74	19.38	19.43	19.45
15	256QAM	36	0	19.43	19.44	19.50
15	256QAM	36	20	19.45	19.49	19.54
15	256QAM	36	39	19.44	19.45	19.57
15	256QAM	75	0	19.48	19.43	19.52
Channel				20000	20175	20350
Frequency (MHz)				1715	1732.5	1750
10	QPSK	1	0	24.44	24.39	24.49
10	QPSK	1	25	24.49	24.45	24.51
10	QPSK	1	49	24.42	24.37	24.45
10	QPSK	25	0	23.48	23.44	23.51
10	QPSK	25	12	23.58	23.51	23.51
10	QPSK	25	25	23.53	23.48	23.56



10	QPSK	50	0	23.53	23.49	23.51
10	16QAM	1	0	23.84	23.79	23.93
10	16QAM	1	25	23.86	23.78	23.93
10	16QAM	1	49	23.84	23.86	23.85
10	16QAM	25	0	22.52	22.48	22.53
10	16QAM	25	12	22.58	22.56	22.53
10	16QAM	25	25	22.55	22.52	22.58
10	16QAM	50	0	22.57	22.51	22.50
10	64QAM	1	0	22.69	22.68	22.74
10	64QAM	1	25	22.69	22.74	22.73
10	64QAM	1	49	22.69	22.61	22.72
10	64QAM	25	0	21.49	21.44	21.53
10	64QAM	25	12	21.57	21.53	21.53
10	64QAM	25	25	21.54	21.49	21.58
10	64QAM	50	0	21.56	21.52	21.50
10	256QAM	1	0	19.64	19.66	19.60
10	256QAM	1	25	19.51	19.84	19.73
10	256QAM	1	49	19.50	19.68	19.38
10	256QAM	25	0	19.48	19.48	19.41
10	256QAM	25	12	19.35	19.58	19.45
10	256QAM	25	25	19.31	19.59	19.27
10	256QAM	50	0	19.67	19.51	19.36
Channel				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	24.39	24.35	24.42
5	QPSK	1	12	24.44	24.42	24.51
5	QPSK	1	24	24.40	24.35	24.43
5	QPSK	12	0	23.48	23.34	23.42
5	QPSK	12	7	23.50	23.41	23.52
5	QPSK	12	13	23.47	23.37	23.49
5	QPSK	25	0	23.46	23.39	23.48
5	16QAM	1	0	23.75	23.67	23.77
5	16QAM	1	12	23.88	23.82	23.89
5	16QAM	1	24	23.77	23.67	23.77
5	16QAM	12	0	22.53	22.38	22.48
5	16QAM	12	7	22.51	22.46	22.57



5	16QAM	12	13	22.50	22.46	22.54
5	16QAM	25	0	22.47	22.43	22.50
5	64QAM	1	0	22.62	22.56	22.66
5	64QAM	1	12	22.70	22.65	22.72
5	64QAM	1	24	22.63	22.55	22.75
5	64QAM	12	0	21.52	21.36	21.46
5	64QAM	12	7	21.51	21.44	21.54
5	64QAM	12	13	21.49	21.41	21.53
5	64QAM	25	0	21.48	21.41	21.50
5	256QAM	1	0	19.65	19.63	19.55
5	256QAM	1	12	19.41	19.71	19.59
5	256QAM	1	24	19.52	19.81	19.45
5	256QAM	12	0	19.29	19.64	19.52
5	256QAM	12	7	19.32	19.61	19.64
5	256QAM	12	13	19.24	19.59	19.24
5	256QAM	25	0	19.46	19.70	19.52
Channel				19965	20175	20385
Frequency (MHz)				1711.5	1732.5	1753.5
3	QPSK	1	0	24.37	24.28	24.40
3	QPSK	1	8	24.46	24.40	24.51
3	QPSK	1	14	24.33	24.30	24.40
3	QPSK	8	0	23.49	23.35	23.45
3	QPSK	8	4	23.53	23.44	23.56
3	QPSK	8	7	23.50	23.42	23.53
3	QPSK	15	0	23.46	23.39	23.51
3	16QAM	1	0	23.70	23.64	23.76
3	16QAM	1	8	23.84	23.81	23.88
3	16QAM	1	14	23.72	23.67	23.77
3	16QAM	8	0	22.58	22.41	22.52
3	16QAM	8	4	22.59	22.53	22.64
3	16QAM	8	7	22.57	22.50	22.59
3	16QAM	15	0	22.50	22.43	22.56
3	64QAM	1	0	22.60	22.58	22.63
3	64QAM	1	8	22.72	22.69	22.74
3	64QAM	1	14	22.65	22.55	22.68
3	64QAM	8	0	21.53	21.39	21.49



3	64QAM	8	4	21.52	21.50	21.60
3	64QAM	8	7	21.50	21.43	21.55
3	64QAM	15	0	21.49	21.42	21.55
3	256QAM	1	0	19.56	19.48	19.57
3	256QAM	1	8	19.56	19.68	19.58
3	256QAM	1	14	19.37	19.60	19.53
3	256QAM	8	0	19.16	19.58	19.50
3	256QAM	8	4	19.23	19.65	19.54
3	256QAM	8	7	19.17	19.49	19.44
3	256QAM	15	0	19.44	19.50	19.45
Channel				19957	20175	20393
Frequency (MHz)				1710.7	1732.5	1754.3
1.4	QPSK	1	0	24.37	24.34	24.47
1.4	QPSK	1	3	24.43	24.36	24.47
1.4	QPSK	1	5	24.39	24.31	24.45
1.4	QPSK	3	0	24.45	24.39	24.50
1.4	QPSK	3	1	24.46	24.39	24.51
1.4	QPSK	3	3	24.44	24.38	24.49
1.4	QPSK	6	0	23.44	23.37	23.49
1.4	16QAM	1	0	23.82	23.75	23.90
1.4	16QAM	1	3	23.82	23.78	23.89
1.4	16QAM	1	5	23.81	23.70	23.83
1.4	16QAM	3	0	23.57	23.58	23.66
1.4	16QAM	3	1	23.58	23.56	23.65
1.4	16QAM	3	3	23.59	23.53	23.67
1.4	16QAM	6	0	22.49	22.43	22.55
1.4	64QAM	1	0	22.66	22.57	22.67
1.4	64QAM	1	3	22.69	22.60	22.70
1.4	64QAM	1	5	22.58	22.52	22.69
1.4	64QAM	3	0	22.55	22.52	22.60
1.4	64QAM	3	1	22.57	22.55	22.63
1.4	64QAM	3	3	22.54	22.49	22.60
1.4	64QAM	6	0	21.46	21.39	21.50
1.4	256QAM	1	0	19.63	19.70	19.67
1.4	256QAM	1	3	19.42	19.63	19.47
1.4	256QAM	1	5	19.43	19.51	19.57



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1.4	256QAM	3	0	19.19	19.66	19.70
1.4	256QAM	3	1	19.55	19.42	19.72
1.4	256QAM	3	3	19.41	19.59	19.30
1.4	256QAM	6	0	19.53	19.39	19.42



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	24.47	24.51	24.58
10	QPSK	1	25	24.52	24.59	24.67
10	QPSK	1	49	24.47	24.58	24.64
10	QPSK	25	0	23.53	23.60	23.67
10	QPSK	25	12	23.62	23.64	23.73
10	QPSK	25	25	23.58	23.63	23.71
10	QPSK	50	0	23.59	23.66	23.68
10	16QAM	1	0	23.88	23.85	24.04
10	16QAM	1	25	23.91	23.84	24.09
10	16QAM	1	49	23.92	24.02	24.09
10	16QAM	25	0	22.55	22.61	22.71
10	16QAM	25	12	22.63	22.60	22.71
10	16QAM	25	25	22.63	22.69	22.78
10	16QAM	50	0	22.65	22.69	22.71
10	64QAM	1	0	22.71	22.74	22.83
10	64QAM	1	25	22.72	22.83	22.95
10	64QAM	1	49	22.78	22.83	22.93
10	64QAM	25	0	21.55	21.61	21.70
10	64QAM	25	12	21.67	21.63	21.71
10	64QAM	25	25	21.58	21.68	21.74
10	64QAM	50	0	21.61	21.67	21.70
10	256QAM	1	0	19.82	19.93	19.94
10	256QAM	1	25	20.11	20.04	19.82
10	256QAM	1	49	19.98	20.09	20.11
10	256QAM	25	0	19.77	19.96	19.93
10	256QAM	25	12	19.98	19.92	19.85
10	256QAM	25	25	19.96	19.99	19.88
10	256QAM	50	0	19.84	19.97	19.95
Channel				20425	20525	20625
Frequency (MHz)				826.5	836.5	846.5





5	QPSK	1	0	24.41	24.45	24.55
5	QPSK	1	12	24.47	24.51	24.60
5	QPSK	1	24	24.45	24.48	24.52
5	QPSK	12	0	23.41	23.47	23.58
5	QPSK	12	7	23.49	23.56	23.64
5	QPSK	12	13	23.48	23.53	23.64
5	QPSK	25	0	23.48	23.53	23.56
5	16QAM	1	0	23.85	23.91	23.90
5	16QAM	1	12	23.83	23.92	24.00
5	16QAM	1	24	23.76	23.84	23.90
5	16QAM	12	0	22.46	22.54	22.62
5	16QAM	12	7	22.53	22.65	22.73
5	16QAM	12	13	22.51	22.60	22.66
5	16QAM	25	0	22.49	22.56	22.60
5	64QAM	1	0	22.75	22.82	22.80
5	64QAM	1	12	22.67	22.72	22.84
5	64QAM	1	24	22.62	22.74	22.82
5	64QAM	12	0	21.47	21.51	21.66
5	64QAM	12	7	21.50	21.58	21.68
5	64QAM	12	13	21.52	21.57	21.64
5	64QAM	25	0	21.50	21.54	21.59
5	256QAM	1	0	19.89	19.91	19.73
5	256QAM	1	12	19.98	19.83	19.67
5	256QAM	1	24	19.98	20.02	20.13
5	256QAM	12	0	19.72	20.09	19.81
5	256QAM	12	7	19.92	19.69	19.67
5	256QAM	12	13	19.85	19.95	19.80
5	256QAM	25	0	19.66	20.03	19.90
Channel				20415	20525	20635
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	24.41	24.48	24.65
3	QPSK	1	8	24.47	24.55	24.66
3	QPSK	1	14	24.39	24.47	24.61
3	QPSK	8	0	23.54	23.52	23.66
3	QPSK	8	4	23.53	23.62	23.67
3	QPSK	8	7	23.51	23.61	23.72



3	QPSK	15	0	23.49	23.57	23.62
3	16QAM	1	0	23.77	23.87	23.93
3	16QAM	1	8	23.90	23.99	24.14
3	16QAM	1	14	23.74	23.93	23.99
3	16QAM	8	0	22.62	22.57	22.77
3	16QAM	8	4	22.63	22.72	22.78
3	16QAM	8	7	22.59	22.68	22.82
3	16QAM	15	0	22.55	22.60	22.69
3	64QAM	1	0	22.62	22.65	22.96
3	64QAM	1	8	22.69	22.86	22.91
3	64QAM	1	14	22.77	22.81	22.95
3	64QAM	8	0	21.58	21.55	21.70
3	64QAM	8	4	21.58	21.66	21.72
3	64QAM	8	7	21.54	21.63	21.76
3	64QAM	15	0	21.55	21.62	21.68
3	256QAM	1	0	19.68	20.01	20.06
3	256QAM	1	8	20.05	19.98	19.77
3	256QAM	1	14	20.04	19.90	20.02
3	256QAM	8	0	19.88	19.95	19.78
3	256QAM	8	4	20.11	19.81	19.63
3	256QAM	8	7	19.90	19.97	19.99
3	256QAM	15	0	19.64	20.06	19.98
Channel				20407	20525	20643
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	24.48	24.49	24.66
1.4	QPSK	1	3	24.49	24.53	24.63
1.4	QPSK	1	5	24.44	24.53	24.63
1.4	QPSK	3	0	24.48	24.54	24.65
1.4	QPSK	3	1	24.49	24.55	24.64
1.4	QPSK	3	3	24.49	24.57	24.60
1.4	QPSK	6	0	23.49	23.57	23.68
1.4	16QAM	1	0	23.91	24.00	24.09
1.4	16QAM	1	3	23.91	24.08	24.08
1.4	16QAM	1	5	23.84	23.97	24.02
1.4	16QAM	3	0	23.64	23.66	23.84
1.4	16QAM	3	1	23.68	23.67	23.87



1.4	16QAM	3	3	23.60	23.64	23.84
1.4	16QAM	6	0	22.52	22.68	22.77
1.4	64QAM	1	0	22.68	22.81	22.96
1.4	64QAM	1	3	22.66	22.82	22.95
1.4	64QAM	1	5	22.64	22.77	22.82
1.4	64QAM	3	0	22.54	22.61	22.84
1.4	64QAM	3	1	22.70	22.69	22.86
1.4	64QAM	3	3	22.60	22.68	22.78
1.4	64QAM	6	0	21.53	21.58	21.74
1.4	256QAM	1	0	19.91	19.82	19.89
1.4	256QAM	1	3	20.13	20.03	19.80
1.4	256QAM	1	5	19.89	19.99	20.11
1.4	256QAM	3	0	19.74	19.84	19.92
1.4	256QAM	3	1	19.80	19.92	19.76
1.4	256QAM	3	3	19.73	19.76	19.65
1.4	256QAM	6	0	19.67	19.82	19.86



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	24.44	24.47	24.50
20	QPSK	1	49	24.46	24.51	24.54
20	QPSK	1	99	24.35	24.44	24.46
20	QPSK	50	0	23.47	23.52	23.53
20	QPSK	50	24	23.53	23.61	23.63
20	QPSK	50	50	23.49	23.55	23.58
20	QPSK	100	0	23.51	23.56	23.60
20	16QAM	1	0	23.68	23.79	23.77
20	16QAM	1	49	23.83	23.91	23.97
20	16QAM	1	99	23.69	23.69	23.78
20	16QAM	50	0	22.48	22.54	22.55
20	16QAM	50	24	22.56	22.63	22.64
20	16QAM	50	50	22.50	22.58	22.62
20	16QAM	100	0	22.53	22.58	22.62
20	64QAM	1	0	22.62	22.76	22.70
20	64QAM	1	49	22.77	22.85	22.89
20	64QAM	1	99	22.62	22.65	22.67
20	64QAM	50	0	21.49	21.54	21.55
20	64QAM	50	24	21.56	21.62	21.64
20	64QAM	50	50	21.50	21.56	21.61
20	64QAM	100	0	21.52	21.58	21.62
20	256QAM	1	0	19.78	19.59	19.79
20	256QAM	1	49	19.46	19.67	19.45
20	256QAM	1	99	19.89	19.92	19.84
20	256QAM	50	0	19.54	19.57	19.58
20	256QAM	50	24	19.72	19.71	19.57
20	256QAM	50	50	19.68	19.66	19.51
20	256QAM	100	0	19.63	19.59	19.62
Channel				26115	26340	26615
Frequency (MHz)				1857.5	1880	1907.5



15	QPSK	1	0	24.35	24.39	24.41
15	QPSK	1	37	24.35	24.42	24.48
15	QPSK	1	74	24.31	24.32	24.39
15	QPSK	36	0	23.36	23.44	23.46
15	QPSK	36	20	23.45	23.52	23.46
15	QPSK	36	39	23.42	23.49	23.54
15	QPSK	75	0	23.43	23.51	23.46
15	16QAM	1	0	23.71	23.75	23.73
15	16QAM	1	37	23.74	23.77	23.77
15	16QAM	1	74	23.59	23.64	23.69
15	16QAM	36	0	22.40	22.46	22.48
15	16QAM	36	20	22.47	22.55	22.49
15	16QAM	36	39	22.44	22.52	22.56
15	16QAM	75	0	22.45	22.51	22.46
15	64QAM	1	0	22.57	22.65	22.66
15	64QAM	1	37	22.52	22.64	22.67
15	64QAM	1	74	22.52	22.53	22.66
15	64QAM	36	0	21.36	21.44	21.46
15	64QAM	36	20	21.45	21.54	21.49
15	64QAM	36	39	21.43	21.51	21.54
15	64QAM	75	0	21.43	21.53	21.47
15	256QAM	1	0	19.73	19.40	19.62
15	256QAM	1	37	19.35	19.52	19.35
15	256QAM	1	74	19.69	19.95	19.90
15	256QAM	36	0	19.43	19.51	19.38
15	256QAM	36	20	19.82	19.56	19.62
15	256QAM	36	39	19.58	19.50	19.31
15	256QAM	75	0	19.47	19.58	19.56
Channel				26090	26340	26640
Frequency (MHz)				1855	1880	1910
10	QPSK	1	0	24.37	24.43	24.45
10	QPSK	1	25	24.37	24.47	24.47
10	QPSK	1	49	24.30	24.40	24.48
10	QPSK	25	0	23.39	23.48	23.51
10	QPSK	25	12	23.48	23.56	23.60
10	QPSK	25	25	23.44	23.53	23.56



10	QPSK	50	0	23.46	23.54	23.57
10	16QAM	1	0	23.72	23.84	23.86
10	16QAM	1	25	23.71	23.78	23.89
10	16QAM	1	49	23.74	23.86	23.94
10	16QAM	25	0	22.42	22.48	22.53
10	16QAM	25	12	22.49	22.57	22.63
10	16QAM	25	25	22.47	22.55	22.60
10	16QAM	50	0	22.47	22.56	22.59
10	64QAM	1	0	22.65	22.67	22.68
10	64QAM	1	25	22.60	22.76	22.76
10	64QAM	1	49	22.58	22.70	22.71
10	64QAM	25	0	21.41	21.49	21.52
10	64QAM	25	12	21.47	21.58	21.61
10	64QAM	25	25	21.46	21.54	21.56
10	64QAM	50	0	21.47	21.56	21.57
10	256QAM	1	0	19.87	19.52	19.77
10	256QAM	1	25	19.52	19.76	19.53
10	256QAM	1	49	19.79	19.76	19.68
10	256QAM	25	0	19.54	19.58	19.43
10	256QAM	25	12	19.68	19.78	19.48
10	256QAM	25	25	19.62	19.60	19.62
10	256QAM	50	0	19.76	19.57	19.41
Channel				26065	26340	26665
Frequency (MHz)				1852.5	1880	1912.5
5	QPSK	1	0	24.34	24.45	24.41
5	QPSK	1	12	24.38	24.46	24.48
5	QPSK	1	24	24.34	24.45	24.43
5	QPSK	12	0	23.40	23.49	23.42
5	QPSK	12	7	23.39	23.48	23.52
5	QPSK	12	13	23.37	23.47	23.51
5	QPSK	25	0	23.38	23.47	23.50
5	16QAM	1	0	23.68	23.78	23.75
5	16QAM	1	12	23.75	23.85	23.91
5	16QAM	1	24	23.69	23.80	23.73
5	16QAM	12	0	22.43	22.51	22.47
5	16QAM	12	7	22.44	22.53	22.56



5	16QAM	12	13	22.41	22.49	22.54
5	16QAM	25	0	22.40	22.50	22.52
5	64QAM	1	0	22.61	22.72	22.64
5	64QAM	1	12	22.62	22.63	22.71
5	64QAM	1	24	22.60	22.67	22.65
5	64QAM	12	0	21.42	21.48	21.49
5	64QAM	12	7	21.42	21.53	21.55
5	64QAM	12	13	21.38	21.52	21.53
5	64QAM	25	0	21.37	21.49	21.52
5	256QAM	1	0	19.83	19.45	19.87
5	256QAM	1	12	19.51	19.61	19.51
5	256QAM	1	24	19.86	19.71	19.77
5	256QAM	12	0	19.53	19.34	19.55
5	256QAM	12	7	19.67	19.66	19.62
5	256QAM	12	13	19.74	19.45	19.41
5	256QAM	25	0	19.49	19.52	19.40
Channel				26055	26340	26675
Frequency (MHz)				1851.5	1880	1913.5
3	QPSK	1	0	24.29	24.39	24.42
3	QPSK	1	8	24.36	24.46	24.48
3	QPSK	1	14	24.27	24.39	24.43
3	QPSK	8	0	23.40	23.48	23.44
3	QPSK	8	4	23.41	23.50	23.44
3	QPSK	8	7	23.38	23.50	23.52
3	QPSK	15	0	23.38	23.47	23.42
3	16QAM	1	0	23.65	23.74	23.77
3	16QAM	1	8	23.77	23.89	23.90
3	16QAM	1	14	23.69	23.77	23.79
3	16QAM	8	0	22.46	22.55	22.51
3	16QAM	8	4	22.47	22.58	22.53
3	16QAM	8	7	22.45	22.56	22.60
3	16QAM	15	0	22.41	22.51	22.46
3	64QAM	1	0	22.54	22.62	22.68
3	64QAM	1	8	22.59	22.71	22.75
3	64QAM	1	14	22.49	22.67	22.72
3	64QAM	8	0	21.42	21.54	21.50



3	64QAM	8	4	21.45	21.56	21.49
3	64QAM	8	7	21.44	21.53	21.56
3	64QAM	15	0	21.42	21.51	21.46
3	256QAM	1	0	19.66	19.41	19.61
3	256QAM	1	8	19.49	19.75	19.45
3	256QAM	1	14	20.00	19.77	19.85
3	256QAM	8	0	19.42	19.34	19.57
3	256QAM	8	4	19.67	19.66	19.57
3	256QAM	8	7	19.73	19.67	19.40
3	256QAM	15	0	19.52	19.65	19.71
Channel				26047	26340	26683
Frequency (MHz)				1850.7	1880	1914.3
1.4	QPSK	1	0	24.31	24.39	24.40
1.4	QPSK	1	3	24.33	24.44	24.43
1.4	QPSK	1	5	24.30	24.39	24.43
1.4	QPSK	3	0	24.38	24.47	24.46
1.4	QPSK	3	1	24.37	24.45	24.48
1.4	QPSK	3	3	24.37	24.46	24.48
1.4	QPSK	6	0	23.35	23.44	23.44
1.4	16QAM	1	0	23.75	23.80	23.85
1.4	16QAM	1	3	23.73	23.84	23.91
1.4	16QAM	1	5	23.74	23.75	23.84
1.4	16QAM	3	0	23.51	23.61	23.60
1.4	16QAM	3	1	23.55	23.62	23.64
1.4	16QAM	3	3	23.50	23.58	23.65
1.4	16QAM	6	0	22.42	22.52	22.54
1.4	64QAM	1	0	22.53	22.60	22.69
1.4	64QAM	1	3	22.58	22.66	22.74
1.4	64QAM	1	5	22.49	22.62	22.70
1.4	64QAM	3	0	22.48	22.61	22.60
1.4	64QAM	3	1	22.49	22.58	22.60
1.4	64QAM	3	3	22.50	22.56	22.59
1.4	64QAM	6	0	21.39	21.49	21.54
1.4	256QAM	1	0	19.65	19.61	19.78
1.4	256QAM	1	3	19.40	19.64	19.39
1.4	256QAM	1	5	19.79	19.81	19.63





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1.4	256QAM	3	0	19.46	19.37	19.52
1.4	256QAM	3	1	19.73	19.56	19.45
1.4	256QAM	3	3	19.45	19.59	19.62
1.4	256QAM	6	0	19.63	19.37	19.48



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	24.43	24.42	24.57
15	QPSK	1	37	24.58	24.61	24.69
15	QPSK	1	74	24.52	24.54	24.63
15	QPSK	36	0	23.47	23.52	23.66
15	QPSK	36	20	23.69	23.67	23.73
15	QPSK	36	39	23.63	23.64	23.72
15	QPSK	75	0	23.63	23.59	23.66
15	16QAM	1	0	23.75	23.77	23.92
15	16QAM	1	37	23.92	23.99	24.00
15	16QAM	1	74	23.94	23.80	23.98
15	16QAM	36	0	22.49	22.55	22.68
15	16QAM	36	20	22.63	22.61	22.73
15	16QAM	36	39	22.68	22.66	22.73
15	16QAM	75	0	22.63	22.59	22.67
15	64QAM	1	0	22.65	22.72	22.87
15	64QAM	1	37	22.79	22.90	22.97
15	64QAM	1	74	22.84	22.79	22.89
15	64QAM	36	0	21.49	21.52	21.68
15	64QAM	36	20	21.61	21.57	21.76
15	64QAM	36	39	21.68	21.66	21.77
15	64QAM	75	0	21.64	21.58	21.66
15	256QAM	1	0	19.53	19.66	19.68
15	256QAM	1	37	19.77	19.80	19.63
15	256QAM	1	74	19.72	19.83	19.71
15	256QAM	36	0	19.57	19.61	19.50
15	256QAM	36	20	19.84	19.74	19.76
15	256QAM	36	39	19.57	19.71	19.64
15	256QAM	75	0	19.70	19.62	19.51
Channel				26840	26915	26990
Frequency (MHz)				829	836.5	844



10	QPSK	1	0	24.28	24.42	24.57
10	QPSK	1	25	24.35	24.48	24.65
10	QPSK	1	49	24.34	24.49	24.60
10	QPSK	25	0	23.34	23.54	23.62
10	QPSK	25	12	23.45	23.52	23.64
10	QPSK	25	25	23.40	23.57	23.69
10	QPSK	50	0	23.41	23.50	23.70
10	16QAM	1	0	23.63	23.84	23.91
10	16QAM	1	25	23.69	23.86	24.04
10	16QAM	1	49	23.79	24.00	24.08
10	16QAM	25	0	22.36	22.54	22.65
10	16QAM	25	12	22.45	22.54	22.67
10	16QAM	25	25	22.47	22.62	22.69
10	16QAM	50	0	22.41	22.50	22.71
10	64QAM	1	0	22.48	22.68	22.83
10	64QAM	1	25	22.58	22.75	22.90
10	64QAM	1	49	22.62	22.79	22.88
10	64QAM	25	0	21.34	21.54	21.66
10	64QAM	25	12	21.46	21.57	21.65
10	64QAM	25	25	21.44	21.57	21.69
10	64QAM	50	0	21.43	21.54	21.71
10	256QAM	1	0	19.57	19.56	19.81
10	256QAM	1	25	19.61	19.88	19.74
10	256QAM	1	49	19.61	19.75	19.81
10	256QAM	25	0	19.45	19.64	19.51
10	256QAM	25	12	19.61	19.62	19.68
10	256QAM	25	25	19.52	19.70	19.66
10	256QAM	50	0	19.77	19.42	19.55
Channel				26815	26915	27015
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	24.24	24.47	24.58
5	QPSK	1	12	24.36	24.54	24.66
5	QPSK	1	24	24.29	24.46	24.58
5	QPSK	12	0	23.24	23.45	23.58
5	QPSK	12	7	23.36	23.55	23.69
5	QPSK	12	13	23.32	23.54	23.63



5	QPSK	25	0	23.32	23.45	23.64
5	16QAM	1	0	23.59	23.85	23.92
5	16QAM	1	12	23.77	24.03	24.04
5	16QAM	1	24	23.68	23.79	23.94
5	16QAM	12	0	22.31	22.49	22.65
5	16QAM	12	7	22.43	22.62	22.72
5	16QAM	12	13	22.38	22.60	22.65
5	16QAM	25	0	22.35	22.45	22.66
5	64QAM	1	0	22.51	22.73	22.83
5	64QAM	1	12	22.56	22.70	22.97
5	64QAM	1	24	22.52	22.67	22.79
5	64QAM	12	0	21.26	21.52	21.62
5	64QAM	12	7	21.35	21.61	21.75
5	64QAM	12	13	21.37	21.54	21.71
5	64QAM	25	0	21.33	21.48	21.65
5	256QAM	1	0	19.49	19.61	19.78
5	256QAM	1	12	19.72	19.74	19.46
5	256QAM	1	24	19.76	19.94	19.83
5	256QAM	12	0	19.51	19.70	19.44
5	256QAM	12	7	19.67	19.72	19.82
5	256QAM	12	13	19.38	19.70	19.52
5	256QAM	25	0	19.51	19.56	19.35
Channel				26805	26915	27025
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	24.10	24.33	24.45
3	QPSK	1	8	24.19	24.44	24.55
3	QPSK	1	14	24.10	24.33	24.44
3	QPSK	8	0	23.16	23.37	23.50
3	QPSK	8	4	23.23	23.47	23.53
3	QPSK	8	7	23.21	23.43	23.56
3	QPSK	15	0	23.17	23.34	23.48
3	16QAM	1	0	23.45	23.70	23.83
3	16QAM	1	8	23.60	23.89	23.94
3	16QAM	1	14	23.54	23.69	23.88
3	16QAM	8	0	22.21	22.46	22.57
3	16QAM	8	4	22.35	22.54	22.57



3	16QAM	8	7	22.30	22.51	22.66
3	16QAM	15	0	22.25	22.40	22.50
3	64QAM	1	0	22.32	22.59	22.68
3	64QAM	1	8	22.50	22.77	22.80
3	64QAM	1	14	22.32	22.58	22.69
3	64QAM	8	0	21.18	21.38	21.53
3	64QAM	8	4	21.28	21.52	21.56
3	64QAM	8	7	21.26	21.46	21.58
3	64QAM	15	0	21.23	21.39	21.51
3	256QAM	1	0	19.45	19.64	19.45
3	256QAM	1	8	19.87	19.68	19.47
3	256QAM	1	14	19.69	19.72	19.54
3	256QAM	8	0	19.50	19.70	19.32
3	256QAM	8	4	19.82	19.57	19.69
3	256QAM	8	7	19.68	19.71	19.41
3	256QAM	15	0	19.77	19.60	19.41
Channel				26797	26915	27033
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	24.36	24.52	24.57
1.4	QPSK	1	3	24.41	24.61	24.42
1.4	QPSK	1	5	24.35	24.57	24.21
1.4	QPSK	3	0	24.38	24.53	24.61
1.4	QPSK	3	1	24.41	24.53	24.52
1.4	QPSK	3	3	24.39	24.62	24.26
1.4	QPSK	6	0	23.38	23.60	23.46
1.4	16QAM	1	0	23.75	23.86	23.97
1.4	16QAM	1	3	23.73	23.95	23.77
1.4	16QAM	1	5	23.69	23.87	23.56
1.4	16QAM	3	0	23.56	23.70	23.85
1.4	16QAM	3	1	23.52	23.65	23.73
1.4	16QAM	3	3	23.52	23.78	23.63
1.4	16QAM	6	0	22.41	22.68	22.70
1.4	64QAM	1	0	22.50	22.72	22.87
1.4	64QAM	1	3	22.62	22.82	22.78
1.4	64QAM	1	5	22.59	22.85	22.50
1.4	64QAM	3	0	22.53	22.66	22.84



1.4	64QAM	3	1	22.48	22.58	22.86
1.4	64QAM	3	3	22.50	22.71	22.63
1.4	64QAM	6	0	21.42	21.61	21.72
1.4	256QAM	1	0	19.59	19.47	19.74
1.4	256QAM	1	3	19.55	19.88	19.41
1.4	256QAM	1	5	19.58	19.60	19.67
1.4	256QAM	3	0	19.69	19.63	19.32
1.4	256QAM	3	1	19.78	19.70	19.69
1.4	256QAM	3	3	19.35	19.69	19.56
1.4	256QAM	6	0	19.80	19.75	19.57



LTE Band 66-Ant 1						
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	24.51	24.46	24.53
20	QPSK	1	49	24.47	24.42	24.52
20	QPSK	1	99	24.39	24.35	24.43
20	QPSK	50	0	23.48	23.43	23.51
20	QPSK	50	24	23.56	23.50	23.58
20	QPSK	50	50	23.51	23.45	23.53
20	QPSK	100	0	23.53	23.46	23.55
20	16QAM	1	0	23.78	23.71	23.75
20	16QAM	1	49	24.01	23.88	23.98
20	16QAM	1	99	23.68	23.68	23.71
20	16QAM	50	0	22.49	22.45	22.51
20	16QAM	50	24	22.56	22.51	22.57
20	16QAM	50	50	22.52	22.47	22.55
20	16QAM	100	0	22.55	22.49	22.57
20	64QAM	1	0	22.62	22.57	22.72
20	64QAM	1	49	22.80	22.65	22.80
20	64QAM	1	99	22.58	22.54	22.64
20	64QAM	50	0	21.49	21.43	21.52
20	64QAM	50	24	21.56	21.52	21.59
20	64QAM	50	50	21.50	21.46	21.54
20	64QAM	100	0	21.52	21.47	21.55
20	256QAM	1	0	19.41	19.39	19.45
20	256QAM	1	49	19.52	19.37	19.57
20	256QAM	1	99	19.38	19.26	19.47
20	256QAM	50	0	19.36	19.36	19.40
20	256QAM	50	24	19.50	19.47	19.51
20	256QAM	50	50	19.47	19.42	19.55
20	256QAM	100	0	19.45	19.42	19.50
Channel				132047	132322	132597
Frequency (MHz)				1717.5	1745	1772.5



15	QPSK	1	0	24.35	24.31	24.45
15	QPSK	1	37	24.48	24.41	24.52
15	QPSK	1	74	24.32	24.28	24.43
15	QPSK	36	0	23.44	23.37	23.46
15	QPSK	36	20	23.53	23.47	23.54
15	QPSK	36	39	23.48	23.41	23.51
15	QPSK	75	0	23.47	23.43	23.52
15	16QAM	1	0	23.68	23.63	23.81
15	16QAM	1	37	23.78	23.73	23.84
15	16QAM	1	74	23.66	23.63	23.66
15	16QAM	36	0	22.45	22.40	22.48
15	16QAM	36	20	22.55	22.48	22.56
15	16QAM	36	39	22.49	22.44	22.54
15	16QAM	75	0	22.51	22.46	22.51
15	64QAM	1	0	22.62	22.52	22.69
15	64QAM	1	37	22.71	22.70	22.75
15	64QAM	1	74	22.56	22.53	22.65
15	64QAM	36	0	21.45	21.39	21.49
15	64QAM	36	20	21.52	21.45	21.56
15	64QAM	36	39	21.50	21.42	21.52
15	64QAM	75	0	21.50	21.45	21.50
15	256QAM	1	0	19.34	19.28	19.34
15	256QAM	1	37	19.43	19.29	19.50
15	256QAM	1	74	19.22	19.11	19.35
15	256QAM	36	0	19.26	19.27	19.26
15	256QAM	36	20	19.37	19.33	19.44
15	256QAM	36	39	19.36	19.26	19.45
15	256QAM	75	0	19.31	19.30	19.39
Channel				132022	132322	132622
Frequency (MHz)				1715	1745	1775
10	QPSK	1	0	24.41	24.36	24.46
10	QPSK	1	25	24.44	24.38	24.52
10	QPSK	1	49	24.36	24.32	24.44
10	QPSK	25	0	23.48	23.40	23.50
10	QPSK	25	12	23.54	23.47	23.50
10	QPSK	25	25	23.52	23.43	23.55





10	QPSK	50	0	23.54	23.46	23.48
10	16QAM	1	0	23.79	23.84	23.94
10	16QAM	1	25	23.81	23.72	23.87
10	16QAM	1	49	23.80	23.72	23.85
10	16QAM	25	0	22.52	22.41	22.52
10	16QAM	25	12	22.59	22.49	22.53
10	16QAM	25	25	22.55	22.46	22.56
10	16QAM	50	0	22.56	22.45	22.51
10	64QAM	1	0	22.64	22.60	22.70
10	64QAM	1	25	22.74	22.64	22.69
10	64QAM	1	49	22.62	22.56	22.70
10	64QAM	25	0	21.48	21.40	21.51
10	64QAM	25	12	21.59	21.50	21.51
10	64QAM	25	25	21.53	21.44	21.56
10	64QAM	50	0	21.53	21.46	21.50
10	256QAM	1	0	19.15	19.19	19.20
10	256QAM	1	25	19.26	19.11	19.36
10	256QAM	1	49	19.18	19.00	19.21
10	256QAM	25	0	19.18	19.13	19.18
10	256QAM	25	12	19.29	19.27	19.32
10	256QAM	25	25	19.26	19.16	19.36
10	256QAM	50	0	19.28	19.17	19.29
Channel				131997	132322	132647
Frequency (MHz)				1712.5	1745	1777.5
5	QPSK	1	0	24.42	24.34	24.45
5	QPSK	1	12	24.47	24.42	24.52
5	QPSK	1	24	24.42	24.34	24.45
5	QPSK	12	0	23.52	23.34	23.43
5	QPSK	12	7	23.52	23.41	23.44
5	QPSK	12	13	23.49	23.38	23.47
5	QPSK	25	0	23.48	23.39	23.42
5	16QAM	1	0	23.81	23.70	23.87
5	16QAM	1	12	23.90	23.80	23.87
5	16QAM	1	24	23.78	23.71	23.82
5	16QAM	12	0	22.57	22.40	22.47
5	16QAM	12	7	22.54	22.51	22.48



5	16QAM	12	13	22.54	22.45	22.53
5	16QAM	25	0	22.51	22.43	22.45
5	64QAM	1	0	22.68	22.60	22.78
5	64QAM	1	12	22.70	22.67	22.77
5	64QAM	1	24	22.69	22.61	22.69
5	64QAM	12	0	21.54	21.38	21.45
5	64QAM	12	7	21.54	21.46	21.49
5	64QAM	12	13	21.51	21.44	21.50
5	64QAM	25	0	21.50	21.41	21.46
5	256QAM	1	0	19.20	19.12	19.19
5	256QAM	1	12	19.30	19.18	19.31
5	256QAM	1	24	19.18	19.07	19.28
5	256QAM	12	0	19.16	19.08	19.15
5	256QAM	12	7	19.23	19.25	19.23
5	256QAM	12	13	19.24	19.22	19.31
5	256QAM	25	0	19.25	19.24	19.31
Channel				131987	132322	132657
Frequency (MHz)				1711.5	1745	1778.5
3	QPSK	1	0	24.37	24.26	24.38
3	QPSK	1	8	24.46	24.36	24.52
3	QPSK	1	14	24.37	24.27	24.39
3	QPSK	8	0	23.48	23.35	23.46
3	QPSK	8	4	23.51	23.45	23.46
3	QPSK	8	7	23.49	23.42	23.54
3	QPSK	15	0	23.47	23.38	23.42
3	16QAM	1	0	23.75	23.65	23.77
3	16QAM	1	8	23.83	23.83	23.89
3	16QAM	1	14	23.71	23.62	23.80
3	16QAM	8	0	22.57	22.41	22.52
3	16QAM	8	4	22.59	22.52	22.54
3	16QAM	8	7	22.55	22.50	22.61
3	16QAM	15	0	22.51	22.42	22.48
3	64QAM	1	0	22.63	22.56	22.65
3	64QAM	1	8	22.75	22.59	22.74
3	64QAM	1	14	22.68	22.56	22.69
3	64QAM	8	0	21.53	21.37	21.52



3	64QAM	8	4	21.56	21.45	21.52
3	64QAM	8	7	21.54	21.42	21.59
3	64QAM	15	0	21.52	21.43	21.47
3	256QAM	1	0	19.18	19.15	19.23
3	256QAM	1	8	19.31	19.09	19.35
3	256QAM	1	14	19.13	19.03	19.18
3	256QAM	8	0	19.08	19.08	19.18
3	256QAM	8	4	19.20	19.18	19.21
3	256QAM	8	7	19.20	19.18	19.28
3	256QAM	15	0	19.15	19.17	19.23
Channel				131979	132322	132665
Frequency (MHz)				1710.7	1745	1779.3
1.4	QPSK	1	0	24.41	24.34	24.45
1.4	QPSK	1	3	24.46	24.37	24.50
1.4	QPSK	1	5	24.39	24.34	24.43
1.4	QPSK	3	0	24.47	24.39	24.51
1.4	QPSK	3	1	24.47	24.39	24.52
1.4	QPSK	3	3	24.47	24.38	24.50
1.4	QPSK	6	0	23.46	23.39	23.50
1.4	16QAM	1	0	23.83	23.80	23.91
1.4	16QAM	1	3	23.88	23.78	23.91
1.4	16QAM	1	5	23.86	23.76	23.92
1.4	16QAM	3	0	23.63	23.56	23.68
1.4	16QAM	3	1	23.65	23.59	23.69
1.4	16QAM	3	3	23.63	23.54	23.65
1.4	16QAM	6	0	22.53	22.44	22.57
1.4	64QAM	1	0	22.65	22.54	22.67
1.4	64QAM	1	3	22.66	22.64	22.76
1.4	64QAM	1	5	22.60	22.50	22.67
1.4	64QAM	3	0	22.60	22.49	22.63
1.4	64QAM	3	1	22.59	22.51	22.65
1.4	64QAM	3	3	22.55	22.47	22.61
1.4	64QAM	6	0	21.52	21.50	21.52
1.4	256QAM	1	0	19.18	19.10	19.16
1.4	256QAM	1	3	19.30	19.05	19.31
1.4	256QAM	1	5	19.15	19.04	19.25



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1.4	256QAM	3	0	19.14	19.05	19.18
1.4	256QAM	3	1	19.21	19.25	19.22
1.4	256QAM	3	3	19.23	19.13	19.33
1.4	256QAM	6	0	19.13	19.13	19.28



**CA Power**

CA_5B_Ant 0									
Combination 10MHz+10MHz (50RB+50RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
20450	20549	QPSK	50	0	50	0	100	≤2	22.62
			1	0	1	49	2	≤8.5	14.13
			1	49	1	0	2	≤0	24.59
		16QAM	50	0	50	0	100	≤3	21.62
			1	0	1	49	2	≤8.5	14.42
			1	49	1	0	2	≤1	23.87
		64QAM	50	0	50	0	100	≤3	21.74
			1	0	1	49	2	≤8.5	14.28
			1	49	1	0	2	≤3	22.98
		256QAM	50	0	50	0	100	≤3	19.68
			1	0	1	49	2	≤8.5	14.30
			1	49	1	0	2	≤3	19.84
20476	20575	QPSK	50	0	50	0	100	≤2	22.68
			1	0	1	49	2	≤8.5	14.29
			1	49	1	0	2	≤0	24.64
		16QAM	50	0	50	0	100	≤3	21.71
			1	0	1	49	2	≤8.5	14.49
			1	49	1	0	2	≤1	23.94
		64QAM	50	0	50	0	100	≤3	21.76
			1	0	1	49	2	≤8.5	14.43
			1	49	1	0	2	≤3	22.90
		256QAM	50	0	50	0	100	≤3	19.76
			1	0	1	49	2	≤8.5	14.35
			1	49	1	0	2	≤3	19.89
20501	20600	QPSK	50	0	50	0	100	≤2	22.65
			1	0	1	49	2	≤8.5	14.11



		16QAM	1	49	1	0	2	≤0	24.57
			50	0	50	0	100	≤3	21.64
			1	0	1	49	2	≤8.5	14.30
			1	49	1	0	2	≤1	23.81
		64QAM	50	0	50	0	100	≤3	21.62
			1	0	1	49	2	≤8.5	14.41
			1	49	1	0	2	≤3	22.83
			50	0	50	0	100	≤3	19.68
		256QAM	1	0	1	49	2	≤8.5	14.32
			1	49	1	0	2	≤3	19.90
			1	49	1	0	2	≤3	19.90
		<b>CA_5B_Ant 0</b>							
<b>Combination 10MHz+5MHz (50RB+25RB)</b>									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
20450	20522	QPSK	50	0	25	0	75	≤2	22.74
			1	0	1	24	2	≤8.5	14.71
			1	49	1	0	2	≤0	24.63
		16QAM	50	0	25	0	75	≤3	21.71
			1	0	1	24	2	≤8.5	15.24
			1	49	1	0	2	≤1	23.98
		64QAM	50	0	25	0	75	≤3	21.78
			1	0	1	24	2	≤8.5	14.90
			1	49	1	0	2	≤3	22.73
		256QAM	50	0	25	0	75	≤3	19.44
			1	0	1	24	2	≤8.5	14.62
			1	49	1	0	2	≤3	19.56
20500	20572	QPSK	50	0	25	0	75	≤2	22.46
			1	0	1	24	2	≤8.5	14.55
			1	49	1	0	2	≤0	24.59
		16QAM	50	0	25	0	75	≤3	21.81
			1	0	1	24	2	≤8.5	15.16
		1	49	1	0	2	≤1	24.16	
		64QAM	50	0	25	0	75	≤3	21.57
			1	49	1	0	2	≤3	21.57



		256QAM	1	0	1	24	2	≤8.5	14.63
			1	49	1	0	2	≤3	22.76
			50	0	25	0	75	≤3	19.57
			1	0	1	24	2	≤8.5	14.91
			1	49	1	0	2	≤3	19.76
20550	20622	QPSK	50	0	25	0	75	≤2	22.48
			1	0	1	24	2	≤8.5	14.57
			1	49	1	0	2	≤0	24.56
		16QAM	50	0	25	0	75	≤3	21.69
			1	0	1	24	2	≤8.5	15.09
			1	49	1	0	2	≤1	24.04
		64QAM	50	0	25	0	75	≤3	21.81
			1	0	1	24	2	≤8.5	14.85
			1	49	1	0	2	≤3	22.79
		256QAM	50	0	25	0	75	≤3	19.67
			1	0	1	24	2	≤8.5	14.86
			1	49	1	0	2	≤3	19.79
<b>Combination 5MHz+10MHz (25RB+50RB)</b>									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
20428	20500	QPSK	25	0	50	0	75	≤2	22.38
			1	0	1	49	2	≤8.5	14.56
			1	24	1	0	2	≤0	24.52
		16QAM	25	0	50	0	75	≤3	21.71
			1	0	1	49	2	≤8.5	14.87
			1	24	1	0	2	≤1	23.87
		64QAM	25	0	50	0	75	≤3	21.67
			1	0	1	49	2	≤8.5	15.05
			1	24	1	0	2	≤3	22.71
		256QAM	25	0	50	0	75	≤3	20.07
			1	0	1	49	2	≤8.5	14.66
			1	24	1	0	2	≤3	19.85
20478	20550	QPSK	25	0	50	0	75	≤2	22.45



		16QAM	1	0	1	49	2	≤8.5	14.71
			1	24	1	0	2	≤0	24.37
			25	0	50	0	75	≤3	21.54
			1	0	1	49	2	≤8.5	14.90
			1	24	1	0	2	≤1	23.73
			25	0	50	0	75	≤3	21.60
		64QAM	1	0	1	49	2	≤8.5	15.03
			1	24	1	0	2	≤3	22.78
			25	0	50	0	75	≤3	19.97
		256QAM	1	0	1	49	2	≤8.5	14.84
			1	24	1	0	2	≤3	19.86
			25	0	50	0	75	≤3	22.61
20528	20600	QPSK	1	0	1	49	2	≤8.5	14.69
			1	24	1	0	2	≤0	24.59
			25	0	50	0	75	≤3	21.72
		16QAM	1	0	1	49	2	≤8.5	14.73
			1	24	1	0	2	≤1	23.88
			25	0	50	0	75	≤3	21.56
		64QAM	1	0	1	49	2	≤8.5	15.11
			1	24	1	0	2	≤3	22.51
			25	0	50	0	75	≤3	20.03
		256QAM	1	0	1	49	2	≤8.5	14.91
			1	24	1	0	2	≤3	19.78
			<b>Combination 5MHz+3MHz (25RB+156RB)</b>						
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
20425	20464	QPSK	25	0	15	0	40	≤2	24.44
			1	0	1	14	2	≤8.5	14.67
			1	24	1	0	2	≤0	24.60
		16QAM	25	0	15	0	40	≤3	23.38
			1	0	1	14	2	≤8.5	15.17
			1	24	1	0	2	≤1	23.61
		64QAM	25	0	15	0	40	≤3	23.62





		256QAM	1	0	1	14	2	≤8.5	15.02
			1	24	1	0	2	≤3	24.04
			25	0	15	0	40	≤3	21.43
			1	0	1	14	2	≤8.5	15.14
			1	24	1	0	2	≤3	21.43
20510	20549	QPSK	25	0	15	0	40	≤2	24.55
			1	0	1	14	2	≤8.5	14.76
			1	24	1	0	2	≤0	24.59
		16QAM	25	0	15	0	40	≤3	23.23
			1	0	1	14	2	≤8.5	14.86
			1	24	1	0	2	≤1	23.75
		64QAM	25	0	15	0	40	≤3	22.17
			1	0	1	14	2	≤8.5	14.81
			1	24	1	0	2	≤3	22.48
		256QAM	25	0	15	0	40	≤3	21.33
			1	0	1	14	2	≤8.5	15.07
			1	24	1	0	2	≤3	21.47
20595	20634	QPSK	25	0	15	0	40	≤2	24.40
			1	0	1	14	2	≤8.5	14.48
			1	24	1	0	2	≤0	24.49
		16QAM	25	0	15	0	40	≤3	23.48
			1	0	1	14	2	≤8.5	15.11
			1	24	1	0	2	≤1	23.77
		64QAM	25	0	15	0	40	≤3	22.42
			1	0	1	14	2	≤8.5	15.07
			1	24	1	0	2	≤3	22.60
		256QAM	25	0	15	0	40	≤3	21.35
			1	0	1	14	2	≤8.5	15.12
			1	24	1	0	2	≤3	21.47
<b>Combination 3MHz+5MHz (15RB+25RB)</b>									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
20416	20455	QPSK	15	0	25	0	40	≤2	24.55



		16QAM	1	0	1	24	2	≤8.5	14.65
			1	14	1	0	2	≤0	24.62
			15	0	25	0	40	≤3	24.26
			1	0	1	24	2	≤8.5	14.96
			1	14	1	0	2	≤1	24.45
			15	0	25	0	40	≤3	22.56
		64QAM	1	0	1	24	2	≤8.5	15.10
			1	14	1	0	2	≤3	22.71
			15	0	25	0	40	≤3	21.43
		256QA M	1	0	1	24	2	≤8.5	14.75
			1	14	1	0	2	≤3	21.16
			15	0	25	0	40	≤2	24.50
20501	20540	QPSK	1	0	1	24	2	≤8.5	14.52
			1	14	1	0	2	≤0	24.44
			15	0	25	0	40	≤3	24.52
		16QAM	1	0	1	24	2	≤8.5	15.09
			1	14	1	0	2	≤1	24.62
			15	0	25	0	40	≤3	22.61
		64QAM	1	0	1	24	2	≤8.5	15.14
			1	14	1	0	2	≤3	22.39
			15	0	25	0	40	≤3	21.36
		256QA M	1	0	1	24	2	≤8.5	15.05
			1	14	1	0	2	≤3	21.44
			15	0	25	0	40	≤2	24.38
20586	20625	QPSK	1	0	1	24	2	≤8.5	14.67
			1	14	1	0	2	≤0	24.62
			15	0	25	0	40	≤3	24.30
		16QAM	1	0	1	24	2	≤8.5	15.05
			1	14	1	0	2	≤1	24.36
			15	0	25	0	40	≤3	22.57
		64QAM	1	0	1	24	2	≤8.5	15.06
			1	14	1	0	2	≤3	22.63
			15	0	25	0	40	≤3	21.52
		256QA M	1	0	1	24	2	≤8.5	15.01
			1	14	1	0	2	≤3	21.37



CA_66B_Ant 1									
Combination 10MHz+10MHz (50RB+50RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
13202 2	13212 1	QPSK	50	0	50	0	100	≤2	22.43
			1	0	1	49	2	≤8.5	13.99
			1	49	1	0	2	≤0	24.38
		16QAM	50	0	50	0	100	≤3	21.41
			1	0	1	49	2	≤8.5	14.19
			1	49	1	0	2	≤1	23.81
		64QAM	50	0	50	0	100	≤3	21.44
			1	0	1	49	2	≤8.5	14.13
			1	49	1	0	2	≤3	22.68
		256QAM	50	0	50	0	100	≤3	19.42
			1	0	1	49	2	≤8.5	14.04
			1	49	1	0	2	≤3	19.73
13237 3	13247 2	QPSK	50	0	50	0	100	≤2	22.53
			1	0	1	49	2	≤8.5	14.02
			1	49	1	0	2	≤0	24.40
		16QAM	50	0	50	0	100	≤3	21.50
			1	0	1	49	2	≤8.5	14.24
			1	49	1	0	2	≤1	23.82
		64QAM	50	0	50	0	100	≤3	21.46
			1	0	1	49	2	≤8.5	14.23
			1	49	1	0	2	≤3	22.82
		256QAM	50	0	50	0	100	≤3	19.47
			1	0	1	49	2	≤8.5	14.17
			1	49	1	0	2	≤3	19.58
13252 3	13262 2	QPSK	50	0	50	0	100	≤2	22.52
			1	0	1	49	2	≤8.5	14.03
			1	49	1	0	2	≤0	24.46
		16QAM	50	0	50	0	100	≤3	21.49



			1	0	1	49	2	≤8.5	14.18
			1	49	1	0	2	≤1	23.77
			50	0	50	0	100	≤3	21.44
		64QAM	1	0	1	49	2	≤8.5	14.22
			1	49	1	0	2	≤3	22.68
			50	0	50	0	100	≤3	19.57
		256QAM	1	0	1	49	2	≤8.5	14.15
			1	49	1	0	2	≤3	19.72
			1	49	1	0	2	≤3	19.72
<b>CA_66B_Ant 1</b>									
<b>Combination 15MHz+5MHz (75RB+25RB)</b>									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
132047	132140	QPSK	75	0	25	0	100	≤2	22.47
			1	0	1	24	2	≤8.5	21.51
			1	74	1	0	2	≤0	24.39
		16QAM	75	0	25	0	100	≤3	21.35
			1	0	1	24	2	≤8.5	22.90
			1	74	1	0	2	≤1	24.02
		64QAM	75	0	25	0	100	≤3	21.48
			1	0	1	24	2	≤8.5	22.53
			1	74	1	0	2	≤3	22.82
		256QAM	75	0	25	0	100	≤3	19.61
			1	0	1	24	2	≤8.5	21.66
			1	74	1	0	2	≤3	19.46
132398	132491	QPSK	75	0	25	0	100	≤2	22.26
			1	0	1	24	2	≤8.5	21.47
			1	74	1	0	2	≤0	24.46
		16QAM	75	0	25	0	100	≤3	21.56
			1	0	1	24	2	≤8.5	22.96
			1	74	1	0	2	≤1	23.95
		64QAM	75	0	25	0	100	≤3	21.41
			1	0	1	24	2	≤8.5	22.39
			1	74	1	0	2	≤3	22.80



13254 9	13264 2	256QAM	75	0	25	0	100	≤3	19.41		
			1	0	1	24	2	≤8.5	21.53		
			1	74	1	0	2	≤3	19.50		
		13254 9	13264 2	QPSK	75	0	25	0	100	≤2	22.33
					1	0	1	24	2	≤8.5	21.41
					1	74	1	0	2	≤0	24.23
				16QAM	75	0	25	0	100	≤3	21.58
					1	0	1	24	2	≤8.5	22.81
					1	74	1	0	2	≤1	23.69
64QAM	75			0	25	0	100	≤3	21.56		
	1			0	1	24	2	≤8.5	22.58		
	1			74	1	0	2	≤3	22.83		
256QAM	75	0	25	0	100	≤3	19.54				
	1	0	1	24	2	≤8.5	21.65				
	1	74	1	0	2	≤3	19.66				
<b>Combination 5MHz+15MHz (25RB+75RB)</b>											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)		
			RB Size	RB offset	RB Size	RB offset					
13200 2	13209 5	QPSK	25	0	75	0	100	≤2	22.28		
			1	0	1	74	2	≤8.5	22.55		
			1	24	1	0	2	≤0	24.43		
		16QAM	25	0	75	0	100	≤3	21.46		
			1	0	1	74	2	≤8.5	22.74		
			1	24	1	0	2	≤1	23.78		
		64QAM	25	0	75	0	100	≤3	21.29		
			1	0	1	74	2	≤8.5	22.92		
			1	24	1	0	2	≤3	22.45		
256QAM	25	0	75	0	100	≤3	19.51				
	1	0	1	74	2	≤8.5	21.31				
	1	24	1	0	2	≤3	19.55				
13235 3	13244 6	QPSK	25	0	75	0	100	≤2	22.41		
			1	0	1	74	2	≤8.5	22.36		
			1	24	1	0	2	≤0	24.44		



		16QAM	25	0	75	0	100	≤3	21.29
			1	0	1	74	2	≤8.5	22.69
			1	24	1	0	2	≤1	23.85
		64QAM	25	0	75	0	100	≤3	21.55
			1	0	1	74	2	≤8.5	22.84
			1	24	1	0	2	≤3	22.57
		256QAM	25	0	75	0	100	≤3	19.52
			1	0	1	74	2	≤8.5	21.41
			1	24	1	0	2	≤3	19.54
13250 4	13259 7	QPSK	25	0	75	0	100	≤2	22.52
			1	0	1	74	2	≤8.5	22.48
			1	24	1	0	2	≤0	24.40
		16QAM	25	0	75	0	100	≤3	21.41
			1	0	1	74	2	≤8.5	22.57
			1	24	1	0	2	≤1	23.69
		64QAM	25	0	75	0	100	≤3	21.38
			1	0	1	74	2	≤8.5	22.59
			1	24	1	0	2	≤3	22.43
		256QAM	25	0	75	0	100	≤3	19.54
			1	0	1	74	2	≤8.5	21.57
			1	24	1	0	2	≤3	19.56
<b>Combination 10MHz+5MHz (50RB+25RB)</b>									
PCC Chann el	SCC Chann el	Modulati on	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measur ed Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
13202 2	13209 4	QPSK	50	0	25	0	75	≤2	22.35
			1	0	1	24	2	≤8.5	14.61
			1	49	1	0	2	≤0	24.41
		16QAM	50	0	25	0	75	≤3	21.56
			1	0	1	24	2	≤8.5	14.88
			1	49	1	0	2	≤1	23.58
		64QAM	50	0	25	0	75	≤3	21.54
			1	0	1	24	2	≤8.5	14.60
			1	49	1	0	2	≤3	22.52



		256QA M	50	0	25	0	75	≤3	19.32
			1	0	1	24	2	≤8.5	14.67
			1	49	1	0	2	≤3	19.43
13239 7	13246 9	QPSK	50	0	25	0	75	≤2	22.45
			1	0	1	24	2	≤8.5	14.55
			1	49	1	0	2	≤0	24.42
		16QAM	50	0	25	0	75	≤3	21.38
			1	0	1	24	2	≤8.5	14.55
			1	49	1	0	2	≤1	23.64
		64QAM	50	0	25	0	75	≤3	21.29
			1	0	1	24	2	≤8.5	14.65
			1	49	1	0	2	≤3	22.53
		256QA M	50	0	25	0	75	≤3	19.64
			1	0	1	24	2	≤8.5	14.47
			1	49	1	0	2	≤3	19.50
13257 2	13264 4	QPSK	50	0	25	0	75	≤2	22.39
			1	0	1	24	2	≤8.5	14.59
			1	49	1	0	2	≤0	24.36
		16QAM	50	0	25	0	75	≤3	21.54
			1	0	1	24	2	≤8.5	14.83
			1	49	1	0	2	≤1	23.72
		64QAM	50	0	25	0	75	≤3	21.38
			1	0	1	24	2	≤8.5	14.50
			1	49	1	0	2	≤3	22.58
		256QA M	50	0	25	0	75	≤3	19.59
			1	0	1	24	2	≤8.5	14.70
			1	49	1	0	2	≤3	19.66
<b>Combination 5MHz+10MHz (25RB+50RB)</b>									
PCC Chann el	SCC Chann el	Modulati on	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measur ed Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
13200 0	13207 2	QPSK	25	0	50	0	75	≤2	22.36
			1	0	1	49	2	≤8.5	14.31
			1	24	1	0	2	≤0	24.36



		16QAM	25	0	50	0	75	≤3	21.48
			1	0	1	49	2	≤8.5	14.68
			1	24	1	0	2	≤1	23.56
		64QAM	25	0	50	0	75	≤3	21.60
			1	0	1	49	2	≤8.5	14.61
			1	24	1	0	2	≤3	22.63
		256QA M	25	0	50	0	75	≤3	19.55
			1	0	1	49	2	≤8.5	14.72
			1	24	1	0	2	≤3	19.60
13237 5	13244 7	QPSK	25	0	50	0	75	≤2	22.54
			1	0	1	49	2	≤8.5	14.55
			1	24	1	0	2	≤0	24.45
		16QAM	25	0	50	0	75	≤3	21.26
			1	0	1	49	2	≤8.5	14.72
			1	24	1	0	2	≤1	23.77
		64QAM	25	0	50	0	75	≤3	21.50
			1	0	1	49	2	≤8.5	14.78
			1	24	1	0	2	≤3	22.74
		256QA M	25	0	50	0	75	≤3	19.60
			1	0	1	49	2	≤8.5	14.46
			1	24	1	0	2	≤3	19.68
13255 0	13262 2	QPSK	25	0	50	0	75	≤2	22.51
			1	0	1	49	2	≤8.5	14.63
			1	24	1	0	2	≤0	24.21
		16QAM	25	0	50	0	75	≤3	21.48
			1	0	1	49	2	≤8.5	14.80
			1	24	1	0	2	≤1	23.82
		64QAM	25	0	50	0	75	≤3	21.56
			1	0	1	49	2	≤8.5	14.80
			1	24	1	0	2	≤3	22.78
		256QA M	25	0	50	0	75	≤3	19.63
			1	0	1	49	2	≤8.5	14.65
			1	24	1	0	2	≤3	19.32
<b>Combination 5MHz+5MHz (25RB+25RB)</b>									
PCC	SCC	Modulati	PCC	SCC	Total RB	Target MPR Level	Measur		





Channel	Channel	Modulation	RB Size	RB offset	RB Size	RB offset	Size			
13199 7	13204 5	QPSK	25	0	25	0	50	≤2	22.62	
			1	0	1	24	2	≤8.5	21.65	
			1	24	1	0	2	≤0	24.41	
		16QAM	25	0	25	0	50	≤3	21.44	
			1	0	1	24	2	≤8.5	23.04	
			1	24	1	0	2	≤1	23.84	
		64QAM	25	0	25	0	50	≤3	21.57	
			1	0	1	24	2	≤8.5	22.97	
			1	24	1	0	2	≤3	22.64	
		256QAM	25	0	25	0	50	≤3	19.83	
			1	0	1	24	2	≤8.5	22.09	
			1	24	1	0	2	≤3	19.52	
13239 8	13244 6	QPSK	25	0	25	0	50	≤2	22.60	
			1	0	1	24	2	≤8.5	21.61	
			1	24	1	0	2	≤0	24.42	
		16QAM	25	0	25	0	50	≤3	21.68	
			1	0	1	24	2	≤8.5	23.19	
			1	24	1	0	2	≤1	23.88	
		64QAM	25	0	25	0	50	≤3	21.68	
			1	0	1	24	2	≤8.5	22.79	
			1	24	1	0	2	≤3	22.71	
		256QAM	25	0	25	0	50	≤3	19.64	
			1	0	1	24	2	≤8.5	22.25	
			1	24	1	0	2	≤3	19.81	
13259 9	13264 7	QPSK	25	0	25	0	50	≤2	22.39	
			1	0	1	24	2	≤8.5	21.66	
			1	24	1	0	2	≤0	24.23	
		16QAM	25	0	25	0	50	≤3	21.44	
			1	0	1	24	2	≤8.5	22.98	
			1	24	1	0	2	≤1	23.93	
		64QAM	25	0	25	0	50	≤3	21.69	
			1	0	1	24	2	≤8.5	22.89	



	256QA M	1	24	1	0	2	≤3	22.83
		25	0	25	0	50	≤3	19.75
		1	0	1	24	2	≤8.5	22.18
		1	24	1	0	2	≤3	19.78



CA_66C_Ant 1									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
13207 2	13227 0	QPSK	100	0	100	0	200	≤2	22.49
			1	0	1	99	2	≤8.5	16.05
			1	99	1	0	2	≤0	24.34
		16QAM	100	0	100	0	200	≤3	21.52
			1	0	1	99	2	≤8.5	16.37
			1	99	1	0	2	≤1	23.66
		64QAM	100	0	100	0	200	≤3	21.57
			1	0	1	99	2	≤8.5	16.21
			1	99	1	0	2	≤3	22.71
		256QAM	100	0	100	0	200	≤3	19.51
			1	0	1	99	2	≤8.5	16.29
			1	99	1	0	2	≤3	19.56
13232 3	13252 1	QPSK	100	0	100	0	200	≤2	22.69
			1	0	1	99	2	≤8.5	16.06
			1	99	1	0	2	≤0	24.40
		16QAM	100	0	100	0	200	≤3	21.56
			1	0	1	99	2	≤8.5	16.31
			1	99	1	0	2	≤1	23.92
		64QAM	100	0	100	0	200	≤3	21.75
			1	0	1	99	2	≤8.5	16.40
			1	99	1	0	2	≤3	22.57
		256QAM	100	0	100	0	200	≤3	19.57
			1	0	1	99	2	≤8.5	16.27
			1	99	1	0	2	≤3	19.66
13237 4	13257 2	QPSK	100	0	100	0	200	≤2	22.52
			1	0	1	99	2	≤8.5	16.16
			1	99	1	0	2	≤0	24.50
		16QAM	100	0	100	0	200	≤3	21.57
			1	0	1	99	2	≤8.5	16.47



		64QAM	1	99	1	0	2	≤1	23.79		
			100	0	100	0	200	≤3	21.59		
			1	0	1	99	2	≤8.5	16.35		
			1	99	1	0	2	≤3	22.75		
		256QAM	100	0	100	0	200	≤3	19.61		
			1	0	1	99	2	≤8.5	16.29		
			1	99	1	0	2	≤3	19.66		
		<b>CA_66C_Ant 1</b>									
		<b>Combination 20MHz+15MHz (100RB+75RB)</b>									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)		
			RB Size	RB offset	RB Size	RB offset					
132072	132243	QPSK	100	0	75	0	175	≤2	22.33		
			1	0	1	74	2	≤8.5	15.89		
			1	99	1	0	2	≤0	24.31		
		16QAM	100	0	75	0	175	≤3	21.40		
			1	0	1	74	2	≤8.5	16.31		
			1	99	1	0	2	≤1	23.42		
		64QAM	100	0	75	0	175	≤3	21.27		
			1	0	1	74	2	≤8.5	16.02		
			1	99	1	0	2	≤3	22.62		
		256QAM	100	0	75	0	175	≤3	19.41		
			1	0	1	74	2	≤8.5	16.19		
			1	99	1	0	2	≤3	19.28		
132348	132519	QPSK	100	0	75	0	175	≤2	22.15		
			1	0	1	74	2	≤8.5	15.69		
			1	99	1	0	2	≤0	24.20		
		16QAM	100	0	75	0	175	≤3	21.42		
			1	0	1	74	2	≤8.5	16.34		
			1	99	1	0	2	≤1	23.55		
		64QAM	100	0	75	0	175	≤3	21.36		
			1	0	1	74	2	≤8.5	16.19		
			1	99	1	0	2	≤3	22.55		
		256QAM	100	0	75	0	175	≤3	19.30		



		M	1	0	1	74	2	≤8.5	16.29
			1	99	1	0	2	≤3	19.15
13242 3	13259 4	QPSK	100	0	75	0	175	≤2	22.18
			1	0	1	74	2	≤8.5	15.61
			1	99	1	0	2	≤0	24.06
		16QAM	100	0	75	0	175	≤3	21.14
			1	0	1	74	2	≤8.5	16.37
			1	99	1	0	2	≤1	23.59
		64QAM	100	0	75	0	175	≤3	21.48
			1	0	1	74	2	≤8.5	16.29
			1	99	1	0	2	≤3	22.57
		256QA M	100	0	75	0	175	≤3	19.45
			1	0	1	74	2	≤8.5	16.26
			1	99	1	0	2	≤3	19.43
<b>Combination 15MHz+20MHz (75RB+100RB)</b>									
PCC Chann el	SCC Chann el	Modulati on	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measur ed Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
13205 0	13222 1	QPSK	75	0	100	0	175	≤2	22.38
			1	0	1	99	2	≤8.5	15.84
			1	74	1	0	2	≤0	24.43
		16QAM	75	0	100	0	175	≤3	21.40
			1	0	1	99	2	≤8.5	16.19
			1	74	1	0	2	≤1	23.57
		64QAM	75	0	100	0	175	≤3	21.28
			1	0	1	99	2	≤8.5	16.04
			1	74	1	0	2	≤3	22.76
		256QA M	75	0	100	0	175	≤3	19.52
			1	0	1	99	2	≤8.5	15.83
			1	74	1	0	2	≤3	19.33
13232 5	13249 6	QPSK	75	0	100	0	175	≤2	22.40
			1	0	1	99	2	≤8.5	15.98
			1	74	1	0	2	≤0	24.44
		16QAM	75	0	100	0	175	≤3	21.20



		64QAM	1	0	1	99	2	≤8.5	15.96		
			1	74	1	0	2	≤1	23.63		
			75	0	100	0	175	≤3	21.44		
			1	0	1	99	2	≤8.5	16.31		
			1	74	1	0	2	≤3	22.71		
			1	74	1	0	2	≤3	19.42		
		256QA M	75	0	100	0	175	≤3	19.59		
			1	0	1	99	2	≤8.5	16.05		
			1	74	1	0	2	≤3	19.42		
			1	74	1	0	2	≤3	19.42		
13240 1	13257 2	QPSK	75	0	100	0	175	≤2	22.43		
			1	0	1	99	2	≤8.5	15.91		
			1	74	1	0	2	≤0	24.39		
		16QAM	75	0	100	0	175	≤3	21.13		
			1	0	1	99	2	≤8.5	16.00		
			1	74	1	0	2	≤1	23.29		
		64QAM	75	0	100	0	175	≤3	21.49		
			1	0	1	99	2	≤8.5	16.06		
			1	74	1	0	2	≤3	22.61		
		256QA M	75	0	100	0	175	≤3	19.52		
			1	0	1	99	2	≤8.5	16.05		
			1	74	1	0	2	≤3	19.48		
		<b>Combination 20MHz+10MHz (100RB+50RB)</b>									
		PCC Chann el	SCC Chann el	Modulati on	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measur ed Power (dBm)
					RB Size	RB offset	RB Size	RB offset			
		13207 2	13221 6	QPSK	100	0	50	0	175	≤2	22.47
					1	0	1	49	2	≤8.5	15.73
					1	99	1	0	2	≤0	24.19
16QAM	100			0	50	0	175	≤3	21.54		
	1			0	1	49	2	≤8.5	16.23		
	1			99	1	0	2	≤1	23.46		
64QAM	100			0	50	0	175	≤3	21.36		
	1			0	1	49	2	≤8.5	16.10		
	1			99	1	0	2	≤3	22.60		
256QA	100			0	50	0	175	≤3	19.26		



		M	1	0	1	49	2	≤8.5	15.83
			1	99	1	0	2	≤3	19.37
13237 3	13251 7	QPSK	100	0	50	0	175	≤2	22.43
			1	0	1	49	2	≤8.5	15.90
			1	99	1	0	2	≤0	24.29
		16QAM	100	0	50	0	175	≤3	21.44
			1	0	1	49	2	≤8.5	16.38
			1	99	1	0	2	≤1	23.66
		64QAM	100	0	50	0	175	≤3	21.19
			1	0	1	49	2	≤8.5	16.11
			1	99	1	0	2	≤3	22.50
		256QA M	100	0	50	0	175	≤3	19.52
			1	0	1	49	2	≤8.5	16.16
			1	99	1	0	2	≤3	19.47
13247 3	13261 7	QPSK	100	0	50	0	175	≤2	22.20
			1	0	1	49	2	≤8.5	15.90
			1	99	1	0	2	≤0	24.10
		16QAM	100	0	50	0	175	≤3	21.46
			1	0	1	49	2	≤8.5	16.35
			1	99	1	0	2	≤1	23.60
		64QAM	100	0	50	0	175	≤3	21.09
			1	0	1	49	2	≤8.5	16.13
			1	99	1	0	2	≤3	22.67
		256QA M	100	0	50	0	175	≤3	19.52
			1	0	1	49	2	≤8.5	16.08
			1	99	1	0	2	≤3	19.53
<b>Combination 10MHz+20MHz (50RB+100RB)</b>									
PCC Chann el	SCC Chann el	Modulati on	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measur ed Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
13202 7	13217 1	QPSK	50	0	100	0	150	≤2	22.36
			1	0	1	99	2	≤8.5	15.78
			1	49	1	0	2	≤0	24.27
		16QAM	50	0	100	0	150	≤3	21.46



			1	0	1	99	2	≤8.5	16.04		
			1	49	1	0	2	≤1	23.54		
			50	0	100	0	150	≤3	21.41		
		64QAM	1	0	1	99	2	≤8.5	16.23		
			1	49	1	0	2	≤3	22.52		
			50	0	100	0	150	≤3	19.43		
		256QA M	1	0	1	99	2	≤8.5	16.02		
			1	49	1	0	2	≤3	19.39		
			50	0	100	0	150	≤2	22.43		
13232 8	13247 2	QPSK	1	0	1	99	2	≤8.5	15.93		
			1	49	1	0	2	≤0	24.32		
			50	0	100	0	150	≤3	21.30		
		16QAM	1	0	1	99	2	≤8.5	16.21		
			1	49	1	0	2	≤1	23.62		
			50	0	100	0	150	≤3	21.45		
		64QAM	1	0	1	99	2	≤8.5	15.95		
			1	49	1	0	2	≤3	22.50		
			50	0	100	0	150	≤3	19.26		
		256QA M	1	0	1	99	2	≤8.5	15.74		
			1	49	1	0	2	≤3	19.40		
			50	0	100	0	150	≤2	22.43		
		13242 8	13257 2	QPSK	1	0	1	99	2	≤8.5	15.72
					1	49	1	0	2	≤0	24.37
					50	0	100	0	150	≤3	21.48
16QAM	1			0	1	99	2	≤8.5	16.16		
	1			49	1	0	2	≤1	23.69		
	50			0	100	0	150	≤3	21.51		
64QAM	1			0	1	99	2	≤8.5	16.15		
	1			49	1	0	2	≤3	22.61		
	50			0	100	0	150	≤3	19.46		
256QA M	1			0	1	99	2	≤8.5	16.01		
	1			49	1	0	2	≤3	19.42		
	<b>Combination 20MHz+5MHz (100RB+25RB)</b>										
PCC Chann	SCC Chann			Modulati on	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measur ed
					RB	RB	RB	RB			





el	el		Size	offset	Size	offset			
13207 2	13218 9	QPSK	100	0	25	0	125	≤2	22.55
			1	0	1	24	2	≤8.5	15.85
			1	99	1	0	2	≤0	24.37
		16QAM	100	0	25	0	125	≤3	21.36
			1	0	1	24	2	≤8.5	15.98
			1	99	1	0	2	≤1	23.56
		64QAM	100	0	25	0	125	≤3	21.29
			1	0	1	24	2	≤8.5	15.95
			1	99	1	0	2	≤3	22.89
		256QAM	100	0	25	0	125	≤3	19.57
			1	0	1	24	2	≤8.5	15.85
			1	99	1	0	2	≤3	19.50
13239 7	13251 4	QPSK	100	0	25	0	125	≤2	22.53
			1	0	1	24	2	≤8.5	15.73
			1	99	1	0	2	≤0	24.37
		16QAM	100	0	25	0	125	≤3	21.39
			1	0	1	24	2	≤8.5	16.14
			1	99	1	0	2	≤1	23.72
		64QAM	100	0	25	0	125	≤3	21.39
			1	0	1	24	2	≤8.5	16.12
			1	99	1	0	2	≤3	22.83
		256QAM	100	0	25	0	125	≤3	19.51
			1	0	1	24	2	≤8.5	15.73
			1	99	1	0	2	≤3	19.73
13252 2	13263 9	QPSK	100	0	25	0	125	≤2	22.51
			1	0	1	24	2	≤8.5	15.67
			1	99	1	0	2	≤0	24.37
		16QAM	100	0	25	0	125	≤3	21.16
			1	0	1	24	2	≤8.5	16.01
			1	99	1	0	2	≤1	23.64
		64QAM	100	0	25	0	125	≤3	21.42
			1	0	1	24	2	≤8.5	16.21
			1	99	1	0	2	≤3	22.83



PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
256QAM	M		100	0	25	0	125	≤3	19.54
			1	0	1	24	2	≤8.5	15.91
			1	99	1	0	2	≤3	19.65
<b>Combination 5MHz+20MHz (25RB+100RB)</b>									
132005	132122	QPSK	25	0	100	0	125	≤2	22.51
			1	0	1	99	2	≤8.5	15.76
			1	24	1	0	2	≤0	24.35
		16QAM	25	0	100	0	125	≤3	21.40
			1	0	1	99	2	≤8.5	16.18
			1	24	1	0	2	≤1	23.76
		64QAM	25	0	100	0	125	≤3	21.27
			1	0	1	99	2	≤8.5	15.97
			1	24	1	0	2	≤3	22.73
256QAM	25	0	100	0	125	≤3	19.31		
	1	0	1	99	2	≤8.5	15.97		
	1	24	1	0	2	≤3	19.75		
132330	132447	QPSK	25	0	100	0	125	≤2	22.53
			1	0	1	99	2	≤8.5	15.84
			1	24	1	0	2	≤0	24.40
		16QAM	25	0	100	0	125	≤3	21.12
			1	0	1	99	2	≤8.5	15.95
			1	24	1	0	2	≤1	23.56
		64QAM	25	0	100	0	125	≤3	21.44
			1	0	1	99	2	≤8.5	16.19
			1	24	1	0	2	≤3	22.77
256QAM	25	0	100	0	125	≤3	19.30		
	1	0	1	99	2	≤8.5	16.07		
	1	24	1	0	2	≤3	19.51		
132455	132572	QPSK	25	0	100	0	125	≤2	22.50
			1	0	1	99	2	≤8.5	16.03
			1	24	1	0	2	≤0	24.30



		16QAM	25	0	100	0	125	≤3	21.43
			1	0	1	99	2	≤8.5	16.14
			1	24	1	0	2	≤1	23.80
		64QAM	25	0	100	0	125	≤3	21.18
			1	0	1	99	2	≤8.5	16.13
			1	24	1	0	2	≤3	22.74
		256QAM	25	0	100	0	125	≤3	19.58
			1	0	1	99	2	≤8.5	16.12
			1	24	1	0	2	≤3	19.74
<b>Combination 15MHz+10MHz (75RB+50RB)</b>									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
132047	132167	QPSK	75	0	50	0	125	≤2	22.53
			1	0	1	49	2	≤8.5	16.02
			1	74	1	0	2	≤0	24.42
		16QAM	75	0	50	0	125	≤3	21.36
			1	0	1	49	2	≤8.5	16.10
			1	74	1	0	2	≤1	23.61
		64QAM	75	0	50	0	125	≤3	21.57
			1	0	1	49	2	≤8.5	16.13
			1	74	1	0	2	≤3	23.50
		256QAM	75	0	50	0	125	≤3	19.34
			1	0	1	49	2	≤8.5	16.17
			1	74	1	0	2	≤3	19.56
132373	132493	QPSK	75	0	50	0	125	≤2	22.47
			1	0	1	49	2	≤8.5	15.85
			1	74	1	0	2	≤0	24.22
		16QAM	75	0	50	0	125	≤3	21.34
			1	0	1	49	2	≤8.5	16.22
			1	74	1	0	2	≤1	23.64
		64QAM	75	0	50	0	125	≤3	21.61
			1	0	1	49	2	≤8.5	16.18
			1	74	1	0	2	≤3	23.22



13249 9	13261 9	256QA M	75	0	50	0	125	≤3	19.45		
			1	0	1	49	2	≤8.5	16.16		
			1	74	1	0	2	≤3	19.55		
				QPSK	75	0	50	0	125	≤2	22.55
					1	0	1	49	2	≤8.5	16.03
					1	74	1	0	2	≤0	24.39
				16QAM	75	0	50	0	125	≤3	21.52
					1	0	1	49	2	≤8.5	16.38
					1	74	1	0	2	≤1	23.78
64QAM	75			0	50	0	125	≤3	21.30		
	1			0	1	49	2	≤8.5	15.93		
	1			74	1	0	2	≤3	23.35		
256QA M	75	0	50	0	125	≤3	19.47				
	1	0	1	49	2	≤8.5	16.09				
	1	74	1	0	2	≤3	19.50				
<b>Combination 10MHz+15MHz (50RB+75RB)</b>											
PCC Chann el	SCC Chann el	Modulati on	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measur ed Power (dBm)		
			RB Size	RB offset	RB Size	RB offset					
13202 5	13214 5	QPSK	50	0	75	0	125	≤2	22.40		
			1	0	1	74	2	≤8.5	15.80		
			1	49	1	0	2	≤0	24.46		
		16QAM	50	0	75	0	125	≤3	21.39		
			1	0	1	74	2	≤8.5	16.21		
			1	49	1	0	2	≤1	23.56		
		64QAM	50	0	75	0	125	≤3	21.44		
			1	0	1	74	2	≤8.5	16.39		
			1	49	1	0	2	≤3	22.39		
256QA M	50	0	75	0	125	≤3	19.60				
	1	0	1	74	2	≤8.5	16.16				
	1	49	1	0	2	≤3	19.66				
13235 1	13247 1	QPSK	50	0	75	0	125	≤2	22.53		
			1	0	1	74	2	≤8.5	16.01		
			1	49	1	0	2	≤0	24.41		



		16QAM	50	0	75	0	125	≤3	21.32
			1	0	1	74	2	≤8.5	16.33
			1	49	1	0	2	≤1	23.59
		64QAM	50	0	75	0	125	≤3	21.54
			1	0	1	74	2	≤8.5	16.17
			1	49	1	0	2	≤3	22.56
		256QAM	50	0	75	0	125	≤3	19.53
			1	0	1	74	2	≤8.5	15.93
			1	49	1	0	2	≤3	19.54
13247 7	13259 7	QPSK	50	0	75	0	125	≤2	22.58
			1	0	1	74	2	≤8.5	15.81
			1	49	1	0	2	≤0	24.27
		16QAM	50	0	75	0	125	≤3	21.60
			1	0	1	74	2	≤8.5	16.38
			1	49	1	0	2	≤1	23.78
		64QAM	50	0	75	0	125	≤3	21.53
			1	0	1	74	2	≤8.5	16.31
			1	49	1	0	2	≤3	22.66
		256QAM	50	0	75	0	125	≤3	19.50
			1	0	1	74	2	≤8.5	15.88
			1	49	1	0	2	≤3	19.57
<b>Combination 15MHz+15MHz (75RB+75RB)</b>									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
13204 7	13219 7	QPSK	75	0	75	0	150	≤2	22.45
			1	0	1	74	2	≤8.5	15.92
			1	74	1	0	2	≤0	24.33
		16QAM	75	0	75	0	150	≤3	21.52
			1	0	1	74	2	≤8.5	16.15
			1	74	1	0	2	≤1	23.64
		64QAM	75	0	75	0	150	≤3	21.24
			1	0	1	74	2	≤8.5	16.27
			1	74	1	0	2	≤3	22.30



		256QA M	75	0	75	0	150	≤3	19.43
			1	0	1	74	2	≤8.5	16.13
			1	74	1	0	2	≤3	19.54
13234 7	13249 7	QPSK	75	0	75	0	150	≤2	22.35
			1	0	1	74	2	≤8.5	15.97
			1	74	1	0	2	≤0	24.38
		16QAM	75	0	75	0	150	≤3	21.44
			1	0	1	74	2	≤8.5	16.07
			1	74	1	0	2	≤1	23.58
		64QAM	75	0	75	0	150	≤3	21.48
			1	0	1	74	2	≤8.5	16.20
			1	74	1	0	2	≤3	22.45
		256QA M	75	0	75	0	150	≤3	19.48
			1	0	1	74	2	≤8.5	16.00
			1	74	1	0	2	≤3	19.41
13244 7	13259 7	QPSK	75	0	75	0	150	≤2	22.39
			1	0	1	74	2	≤8.5	15.96
			1	74	1	0	2	≤0	24.10
		16QAM	75	0	75	0	150	≤3	21.26
			1	0	1	74	2	≤8.5	15.98
			1	74	1	0	2	≤1	23.39
		64QAM	75	0	75	0	150	≤3	21.52
			1	0	1	74	2	≤8.5	16.11
			1	74	1	0	2	≤3	22.21
		256QA M	75	0	75	0	150	≤3	19.62
			1	0	1	74	2	≤8.5	16.19
			1	74	1	0	2	≤3	19.50



CA_2C_Ant1									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
18700	18898	QPSK	100	0	100	0	200	≤2	23.03
			1	0	1	99	2	≤8.5	16.47
			1	99	1	0	2	≤0	24.99
		16QAM	100	0	100	0	200	≤3	21.86
			1	0	1	99	2	≤8.5	16.56
			1	99	1	0	2	≤1	23.95
		64QAM	100	0	100	0	200	≤3	21.40
			1	0	1	99	2	≤8.5	16.66
			1	99	1	0	2	≤3	21.94
		256QAM	100	0	100	0	200	≤3	19.88
			1	0	1	99	2	≤8.5	16.43
			1	99	1	0	2	≤3	19.96
18801	18999	QPSK	100	0	100	0	200	≤2	22.80
			1	0	1	99	2	≤8.5	16.33
			1	99	1	0	2	≤0	24.62
		16QAM	100	0	100	0	200	≤3	21.86
			1	0	1	99	2	≤8.5	16.74
			1	99	1	0	2	≤1	24.15
		64QAM	100	0	100	0	200	≤3	21.69
			1	0	1	99	2	≤8.5	16.53
			1	99	1	0	2	≤3	21.81
		256QAM	100	0	100	0	200	≤3	19.85
			1	0	1	99	2	≤8.5	16.55
			1	99	1	0	2	≤3	20.10
18902	19100	QPSK	100	0	100	0	200	≤2	22.87
			1	0	1	99	2	≤8.5	16.38
			1	99	1	0	2	≤0	24.63
		16QAM	100	0	100	0	200	≤3	21.83
			1	0	1	99	2	≤8.5	16.78
			1	99	1	0	2	≤1	24.03



		64QAM	100	0	100	0	200	≤3	21.53
			1	0	1	99	2	≤8.5	16.60
			1	99	1	0	2	≤3	21.63
		256QAM	100	0	100	0	200	≤3	19.83
			1	0	1	99	2	≤8.5	16.56
			1	99	1	0	2	≤3	19.83

CA_2C_Ant1									
Combination 20MHz+15MHz (100RB+75RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
18700	18871	QPSK	100	0	75	0	175	≤2	22.75
			1	0	1	74	2	≤8.5	16.31
			1	99	1	0	2	≤0	24.62
		16QAM	100	0	75	0	175	≤3	21.76
			1	0	1	74	2	≤8.5	16.58
			1	99	1	0	2	≤1	24.06
		64QAM	100	0	75	0	175	≤3	21.62
			1	0	1	74	2	≤8.5	16.56
			1	99	1	0	2	≤3	21.72
		256QAM	100	0	75	0	175	≤3	19.73
			1	0	1	74	2	≤8.5	16.41
			1	99	1	0	2	≤3	20.22
18826	18997	QPSK	100	0	75	0	175	≤2	22.72
			1	0	1	74	2	≤8.5	16.29
			1	99	1	0	2	≤0	24.51
		16QAM	100	0	75	0	175	≤3	21.85
			1	0	1	74	2	≤8.5	16.68
			1	99	1	0	2	≤1	24.09
		64QAM	100	0	75	0	175	≤3	21.57
			1	0	1	74	2	≤8.5	16.50
			1	99	1	0	2	≤3	21.73
		256QA	100	0	75	0	175	≤3	19.63





18951	19122	M	1	0	1	74	2	≤8.5	16.33
			1	99	1	0	2	≤3	20.10
		QPSK	100	0	75	0	175	≤2	22.63
			1	0	1	74	2	≤8.5	16.18
			1	99	1	0	2	≤0	24.47
		16QAM	100	0	75	0	175	≤3	21.84
			1	0	1	74	2	≤8.5	16.65
			1	99	1	0	2	≤1	24.05
		64QAM	100	0	75	0	175	≤3	21.64
			1	0	1	74	2	≤8.5	16.60
1	99		1	0	2	≤3	21.75		
256QA M	100	0	75	0	175	≤3	19.58		
	1	0	1	74	2	≤8.5	16.27		
	1	99	1	0	2	≤3	19.98		
<b>Combination 15MHz+20MHz (75RB+100RB)</b>									
PCC Chann el	SCC Chann el	Modulati on	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measur ed Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
18678	18849	QPSK	75	0	100	0	175	≤2	22.72
			1	0	1	99	2	≤8.5	16.20
			1	74	1	0	2	≤0	24.76
		16QAM	75	0	100	0	175	≤3	21.89
			1	0	1	99	2	≤8.5	16.73
			1	74	1	0	2	≤1	23.92
		64QAM	75	0	100	0	175	≤3	21.63
			1	0	1	99	2	≤8.5	16.50
			1	74	1	0	2	≤3	21.67
		256QA M	75	0	100	0	175	≤3	19.77
			1	0	1	99	2	≤8.5	16.43
			1	74	1	0	2	≤3	20.30
18803	18974	QPSK	75	0	100	0	175	≤2	22.80
			1	0	1	99	2	≤8.5	16.23
			1	74	1	0	2	≤0	24.74
		16QAM	75	0	100	0	175	≤3	21.79



		64QAM	1	0	1	99	2	≤8.5	16.68		
			1	74	1	0	2	≤1	23.80		
			75	0	100	0	175	≤3	21.53		
			1	0	1	99	2	≤8.5	16.41		
			1	74	1	0	2	≤3	21.63		
			75	0	100	0	175	≤3	19.74		
		256QA M	1	0	1	99	2	≤8.5	16.41		
			1	74	1	0	2	≤3	20.18		
			75	0	100	0	175	≤2	22.75		
		18929	19100	QPSK	1	0	1	99	2	≤8.5	16.18
1	74				1	0	2	≤0	24.67		
75	0				100	0	175	≤3	21.92		
16QAM	1			0	1	99	2	≤8.5	16.74		
	1			74	1	0	2	≤1	24.02		
	75			0	100	0	175	≤3	21.43		
64QAM	1			0	1	99	2	≤8.5	16.37		
	1			74	1	0	2	≤3	21.57		
	75			0	100	0	175	≤3	19.63		
256QA M	1			0	1	99	2	≤8.5	16.29		
	1			74	1	0	2	≤3	20.08		
	75			0	100	0	175	≤3	19.63		
<b>Combination 20MHz+10MHz (100RB+50RB)</b>											
PCC Chann el	SCC Chann el			Modulati on	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measur ed Power (dBm)
					RB Size	RB offset	RB Size	RB offset			
18700	18844			QPSK	100	0	50	0	150	≤2	22.68
					1	0	1	49	2	≤8.5	16.17
					1	99	1	0	2	≤0	24.52
		16QAM	100	0	50	0	150	≤3	21.64		
			1	0	1	49	2	≤8.5	16.38		
			1	99	1	0	2	≤1	23.66		
		64QAM	100	0	50	0	150	≤3	21.67		
			1	0	1	49	2	≤8.5	16.29		
			1	99	1	0	2	≤3	21.58		
		256QA	100	0	50	0	150	≤3	19.65		



		M	1	0	1	49	2	≤8.5	16.31
			1	99	1	0	2	≤3	19.95
18851	18995	QPSK	100	0	50	0	150	≤2	22.71
			1	0	1	49	2	≤8.5	16.33
			1	99	1	0	2	≤0	24.64
		16QAM	100	0	50	0	150	≤3	21.59
			1	0	1	49	2	≤8.5	16.28
			1	99	1	0	2	≤1	23.39
		64QAM	100	0	50	0	150	≤3	21.58
			1	0	1	49	2	≤8.5	16.22
			1	99	1	0	2	≤3	21.47
		256QA M	100	0	50	0	150	≤3	19.58
			1	0	1	49	2	≤8.5	16.28
			1	99	1	0	2	≤3	20.01
19100	19145	QPSK	100	0	50	0	150	≤2	22.57
			1	0	1	49	2	≤8.5	16.30
			1	99	1	0	2	≤0	24.52
		16QAM	100	0	50	0	150	≤3	21.63
			1	0	1	49	2	≤8.5	16.44
			1	99	1	0	2	≤1	23.42
		64QAM	100	0	50	0	150	≤3	21.50
			1	0	1	49	2	≤8.5	16.31
			1	99	1	0	2	≤3	21.50
		256QA M	100	0	50	0	150	≤3	19.62
			1	0	1	49	2	≤8.5	16.32
			1	99	1	0	2	≤3	19.92
<b>Combination 20MHz+5MHz (100RB+25RB)</b>									
PCC Chann el	SCC Chann el	Modulati on	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measur ed Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
18700	18817	QPSK	100	0	50	0	150	≤2	22.61
			1	0	1	49	2	≤8.5	16.34
			1	99	1	0	2	≤0	24.67
		16QAM	100	0	50	0	150	≤3	21.92



			1	0	1	49	2	≤8.5	16.74		
			1	99	1	0	2	≤1	24.02		
			100	0	50	0	150	≤3	21.20		
		64QAM	1	0	1	49	2	≤8.5	16.52		
			1	99	1	0	2	≤3	21.37		
			100	0	50	0	150	≤3	19.76		
		256QA M	1	0	1	49	2	≤8.5	16.25		
			1	99	1	0	2	≤3	19.93		
			100	0	50	0	150	≤2	22.71		
18875	18992	QPSK	1	0	1	49	2	≤8.5	16.39		
			1	99	1	0	2	≤0	24.59		
			100	0	50	0	150	≤3	21.83		
		16QAM	1	0	1	49	2	≤8.5	16.28		
			1	99	1	0	2	≤1	23.39		
			100	0	50	0	150	≤3	21.58		
		64QAM	1	0	1	49	2	≤8.5	16.22		
			1	99	1	0	2	≤3	21.47		
			100	0	50	0	150	≤3	19.63		
		256QA M	1	0	1	49	2	≤8.5	16.29		
			1	99	1	0	2	≤3	20.08		
			100	0	50	0	150	≤2	22.75		
		19050	19167	QPSK	1	0	1	49	2	≤8.5	16.18
					1	99	1	0	2	≤0	24.46
					100	0	50	0	150	≤3	21.92
16QAM	1			0	1	49	2	≤8.5	16.68		
	1			99	1	0	2	≤1	24.09		
	100			0	50	0	150	≤3	21.57		
64QAM	1			0	1	49	2	≤8.5	16.50		
	1			99	1	0	2	≤3	21.73		
	100			0	50	0	150	≤3	19.63		
256QA M	1			0	1	49	2	≤8.5	16.33		
	1			99	1	0	2	≤3	20.10		
	<b>Combination 10MHz+20MHz (50RB+100RB)</b>										
PCC Chann	SCC Chann	Modulati on	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measur ed		
			RB	RB	RB	RB					



el	el		Size	offset	Size	offset				
18655	18799	QPSK	50	0	100	0	150	≤2	22.71	
			1	0	1	99	2	≤8.5	16.39	
			1	49	1	0	2	≤0	24.59	
		16QAM	50	0	100	0	150	≤3	21.83	
			1	0	1	99	2	≤8.5	16.69	
			1	49	1	0	2	≤1	24.01	
		64QAM	50	0	100	0	150	≤3	21.21	
			1	0	1	99	2	≤8.5	16.63	
			1	49	1	0	2	≤3	21.52	
		256QAM	M	50	0	100	0	150	≤3	19.71
				1	0	1	99	2	≤8.5	16.35
				1	49	1	0	2	≤3	19.99
18806	18950	QPSK	50	0	100	0	150	≤2	22.61	
			1	0	1	99	2	≤8.5	16.34	
			1	49	1	0	2	≤0	24.54	
		16QAM	50	0	100	0	150	≤3	21.72	
			1	0	1	99	2	≤8.5	16.61	
			1	49	1	0	2	≤1	23.97	
		64QAM	50	0	100	0	150	≤3	21.20	
			1	0	1	99	2	≤8.5	16.56	
			1	49	1	0	2	≤3	21.45	
		256QAM	M	50	0	100	0	150	≤3	19.82
				1	0	1	99	2	≤8.5	16.36
				1	49	1	0	2	≤3	20.03
18956	19100	QPSK	50	0	100	0	150	≤2	22.80	
			1	0	1	99	2	≤8.5	16.40	
			1	49	1	0	2	≤0	24.61	
		16QAM	50	0	100	0	150	≤3	21.66	
			1	0	1	99	2	≤8.5	16.50	
			1	49	1	0	2	≤1	23.90	
		64QAM	50	0	100	0	150	≤3	21.18	
			1	0	1	99	2	≤8.5	16.52	
			1	49	1	0	2	≤3	21.37	



PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)		
			RB Size	RB offset	RB Size	RB offset					
		256QAM	50	0	100	0	150	≤3	19.76		
			1	0	1	99	2	≤8.5	16.25		
			1	49	1	0	2	≤3	19.93		
<b>Combination 10MHz+15MHz (50RB+75RB)</b>											
18653	18773	QPSK	50	0	100	0	150	≤2	22.75		
			1	0	1	99	2	≤8.5	16.18		
			1	49	1	0	2	≤0	24.67		
		16QAM	50	0	100	0	150	≤3	21.92		
			1	0	1	99	2	≤8.5	16.74		
			1	49	1	0	2	≤1	24.02		
		64QAM	50	0	100	0	150	≤3	21.20		
			1	0	1	99	2	≤8.5	16.56		
			1	49	1	0	2	≤3	23.90		
		256QAM	50	0	100	0	150	≤3	19.71		
			1	0	1	99	2	≤8.5	16.35		
			1	49	1	0	2	≤3	19.99		
		18829	18949	QPSK	50	0	100	0	150	≤2	22.71
					1	0	1	99	2	≤8.5	16.39
					1	49	1	0	2	≤0	24.59
16QAM	50			0	100	0	150	≤3	21.83		
	1			0	1	99	2	≤8.5	16.78		
	1			49	1	0	2	≤1	24.03		
64QAM	50			0	100	0	150	≤3	21.53		
	1			0	1	99	2	≤8.5	16.60		
	1			49	1	0	2	≤3	21.94		
256QAM	50			0	100	0	150	≤3	19.88		
	1			0	1	99	2	≤8.5	16.43		
	1			49	1	0	2	≤3	19.96		
19005	19125	QPSK	50	0	100	0	150	≤2	22.61		
			1	0	1	99	2	≤8.5	16.34		
			1	49	1	0	2	≤0	24.54		



		16QAM	50	0	100	0	150	≤3	21.72
			1	0	1	99	2	≤8.5	16.61
			1	49	1	0	2	≤1	23.97
		64QAM	50	0	100	0	150	≤3	21.43
			1	0	1	99	2	≤8.5	16.37
			1	49	1	0	2	≤3	21.57
		256QAM	50	0	100	0	150	≤3	19.63
			1	0	1	99	2	≤8.5	16.29
			1	49	1	0	2	≤3	20.08
<b>Combination 15MHz+15MHz (75RB+75RB)</b>									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
18675	18825	QPSK	75	0	75	0	150	≤2	22.69
			1	0	1	74	2	≤8.5	16.13
			1	74	1	0	2	≤0	24.66
		16QAM	75	0	75	0	150	≤3	21.77
			1	0	1	74	2	≤8.5	16.60
			1	74	1	0	2	≤1	23.94
		64QAM	75	0	75	0	150	≤3	21.67
			1	0	1	74	2	≤8.5	16.29
			1	74	1	0	2	≤3	21.76
		256QAM	75	0	75	0	150	≤3	19.68
			1	0	1	74	2	≤8.5	16.61
			1	74	1	0	2	≤3	19.64
18825	18975	QPSK	75	0	75	0	150	≤2	22.58
			1	0	1	74	2	≤8.5	16.09
			1	74	1	0	2	≤0	24.58
		16QAM	75	0	75	0	150	≤3	21.73
			1	0	1	74	2	≤8.5	16.57
			1	74	1	0	2	≤1	23.87
		64QAM	75	0	75	0	150	≤3	21.70
			1	0	1	74	2	≤8.5	16.37
			1	74	1	0	2	≤3	21.87



18975	19125	256QAM	75	0	75	0	150	≤3	19.56						
			1	0	1	74	2	≤8.5	16.54						
			1	74	1	0	2	≤3	19.63						
		18975	19125	QPSK	75	0	75	0	150	≤2	22.48				
					1	0	1	74	2	≤8.5	16.04				
					1	74	1	0	2	≤0	24.48				
				18975	19125	16QAM	75	0	75	0	150	≤3	21.68		
							1	0	1	74	2	≤8.5	16.46		
							1	74	1	0	2	≤1	23.81		
18975	19125					64QAM	75	0	75	0	150	≤3	21.66		
							1	0	1	74	2	≤8.5	16.33		
							1	74	1	0	2	≤3	21.78		
		18975	19125			256QAM	75	0	75	0	150	≤3	19.80		
							1	0	1	74	2	≤8.5	16.64		
							1	74	1	0	2	≤3	19.76		
				<b>Combination 15MHz+10MHz (75RB+50RB)</b>											
				PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)		
							RB Size	RB offset	RB Size	RB offset					
18675	18795			QPSK	75	0	50	0	125	≤2	22.73				
					1	0	1	49	2	≤8.5	16.15				
					1	74	1	0	2	≤0	24.67				
		18675	18795	16QAM	75	0	50	0	125	≤3	21.66				
					1	0	1	49	2	≤8.5	16.45				
					1	74	1	0	2	≤1	23.84				
				18675	18795	64QAM	75	0	50	0	125	≤3	21.62		
							1	0	1	49	2	≤8.5	16.58		
							1	74	1	0	2	≤3	21.90		
						18675	18795	256QAM	75	0	50	0	125	≤3	19.73
									1	0	1	49	2	≤8.5	16.62
									1	74	1	0	2	≤3	19.69
18851	18971							QPSK	75	0	50	0	125	≤2	22.72
									1	0	1	49	2	≤8.5	16.06
									1	74	1	0	2	≤0	24.63





		16QAM	75	0	50	0	125	≤3	21.71		
			1	0	1	49	2	≤8.5	16.49		
			1	74	1	0	2	≤1	23.90		
		64QAM	75	0	50	0	125	≤3	21.59		
			1	0	1	49	2	≤8.5	16.51		
			1	74	1	0	2	≤3	21.79		
		256QAM	75	0	50	0	125	≤3	19.63		
			1	0	1	49	2	≤8.5	16.56		
			1	74	1	0	2	≤3	19.68		
19027	19147	QPSK	75	0	50	0	125	≤2	22.61		
			1	0	1	49	2	≤8.5	15.97		
			1	74	1	0	2	≤0	24.54		
		16QAM	75	0	50	0	125	≤3	21.64		
			1	0	1	49	2	≤8.5	16.39		
			1	74	1	0	2	≤1	23.87		
		64QAM	75	0	50	0	125	≤3	21.63		
			1	0	1	49	2	≤8.5	16.59		
			1	74	1	0	2	≤3	22.00		
		256QAM	75	0	50	0	125	≤3	19.62		
			1	0	1	49	2	≤8.5	16.51		
			1	74	1	0	2	≤3	19.63		
		<b>Combination 5MHz+20MHz (25RB+100RB)</b>									
		PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)
					RB Size	RB offset	RB Size	RB offset			
18633	18750	QPSK	75	0	50	0	125	≤2	22.80		
			1	0	1	49	2	≤8.5	16.23		
			1	74	1	0	2	≤0	24.74		
		16QAM	75	0	50	0	125	≤3	21.79		
			1	0	1	49	2	≤8.5	16.68		
			1	74	1	0	2	≤1	23.80		
		64QAM	75	0	50	0	125	≤3	21.53		
			1	0	1	49	2	≤8.5	16.41		
			1	74	1	0	2	≤3	21.63		



		256QA M	75	0	50	0	125	≤3	19.74
			1	0	1	49	2	≤8.5	16.41
			1	74	1	0	2	≤3	20.18
18808	18925	QPSK	75	0	50	0	125	≤2	22.80
			1	0	1	49	2	≤8.5	16.33
			1	74	1	0	2	≤0	24.62
		16QAM	75	0	50	0	125	≤3	21.86
			1	0	1	49	2	≤8.5	16.74
			1	74	1	0	2	≤1	24.15
		64QAM	75	0	50	0	125	≤3	21.69
			1	0	1	49	2	≤8.5	16.51
			1	74	1	0	2	≤3	21.79
		256QA M	75	0	50	0	125	≤3	19.63
			1	0	1	49	2	≤8.5	16.56
			1	74	1	0	2	≤3	19.68
18983	19100	QPSK	75	0	50	0	125	≤2	22.58
			1	0	1	49	2	≤8.5	16.09
			1	74	1	0	2	≤0	24.58
		16QAM	75	0	50	0	125	≤3	21.73
			1	0	1	49	2	≤8.5	16.57
			1	74	1	0	2	≤1	23.90
		64QAM	75	0	50	0	125	≤3	21.18
			1	0	1	49	2	≤8.5	16.52
			1	74	1	0	2	≤3	21.37
		256QA M	75	0	50	0	125	≤3	19.76
			1	0	1	49	2	≤8.5	16.25
			1	74	1	0	2	≤3	19.93



**ERP/EIRP**

LTE Band 25 (GT - LC = -0.35 dB) QPSK									
Bandwidth	1.4M			3M			5M		
Channel	26407	26340	26683	26055	26340	26675	26065	26340	26665
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1850.7	1880	1914.3	1851.5	1880	1913.5	1852.5	1880	1912.5
Conducted Power (dBm)	24.37	24.45	24.48	24.36	24.46	24.48	24.38	24.46	24.48
Conducted Power (Watts)	0.2735	0.2786	0.2805	0.2729	0.2793	0.2805	0.2742	0.2793	0.2805
EIRP(dBm)	24.02	24.10	24.13	24.01	24.11	24.13	24.03	24.11	24.13
EIRP(Watts)	0.2523	0.2570	0.2588	0.2518	0.2576	0.2588	0.2529	0.2576	0.2588

LTE Band 25 (GT - LC = -0.35 dB) QPSK									
Bandwidth	10M			15M			20M		
Channel	26090	26340	26640	26115	26340	26615	26140	26340	26590
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1855	1880	1910	1857.5	1880	1907.5	1860	1880	1905
Conducted Power (dBm)	24.30	24.40	24.48	24.35	24.42	24.48	24.46	24.51	24.54
Conducted Power (Watts)	0.2692	0.2754	0.2805	0.2723	0.2767	0.2805	0.2793	0.2825	0.2844
EIRP(dBm)	23.95	24.05	24.13	24.00	24.07	24.13	24.11	24.16	24.19
EIRP(Watts)	0.2483	0.2541	0.2588	0.2512	0.2553	0.2588	0.2576	0.2606	0.2624



LTE Band 25 (GT - LC = -0.35 dB) 16QAM									
Bandwidth	1.4M			3M			5M		
Channel	26407	26340	26683	26055	26340	26675	26065	26340	26665
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1850.7	1880	1914.3	1851.5	1880	1913.5	1852.5	1880	1912.5
Conducted Power (dBm)	23.73	23.84	23.91	23.77	23.89	23.90	23.75	23.85	23.91
Conducted Power (Watts)	0.2360	0.2421	0.2460	0.2382	0.2449	0.2455	0.2371	0.2427	0.2460
EIRP(dBm)	23.38	23.49	23.56	23.42	23.54	23.55	23.40	23.50	23.56
EIRP(Watts)	0.2178	0.2234	0.2270	0.2198	0.2259	0.2265	0.2188	0.2239	0.2270

LTE Band 25 (GT - LC = -0.35 dB) 16QAM									
Bandwidth	10M			15M			20M		
Channel	26090	26340	26640	26115	26340	26615	26140	26340	26590
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1855	1880	1910	1857.5	1880	1907.5	1860	1880	1905
Conducted Power (dBm)	23.74	23.86	23.94	23.74	23.77	23.77	23.83	23.91	23.97
Conducted Power (Watts)	0.2366	0.2432	0.2477	0.2366	0.2382	0.2382	0.2415	0.2460	0.2495
EIRP(dBm)	23.39	23.51	23.59	23.39	23.42	23.42	23.48	23.56	23.62
EIRP(Watts)	0.2183	0.2244	0.2286	0.2183	0.2198	0.2198	0.2228	0.2270	0.2301



LTE Band 25 (GT - LC = -0.35 dB) 64QAM									
Bandwidth	1.4M			3M			5M		
Channel	26407	26340	26683	26055	26340	26675	26065	26340	26665
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1850.7	1880	1914.3	1851.5	1880	1913.5	1852.5	1880	1912.5
Conducted Power (dBm)	22.58	22.66	22.74	22.59	22.71	22.75	22.61	22.72	22.64
Conducted Power (Watts)	0.1811	0.1845	0.1879	0.1816	0.1866	0.1884	0.1824	0.1871	0.1837
EIRP(dBm)	22.23	22.31	22.39	22.24	22.36	22.40	22.26	22.37	22.29
EIRP(Watts)	0.1671	0.1702	0.1734	0.1675	0.1722	0.1738	0.1683	0.1726	0.1694

LTE Band 25 (GT - LC = -0.35 dB) 64QAM									
Bandwidth	10M			15M			20M		
Channel	26090	26340	26640	26115	26340	26615	26140	26340	26590
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1855	1880	1910	1857.5	1880	1907.5	1860	1880	1905
Conducted Power (dBm)	22.60	22.76	22.76	22.52	22.64	22.67	22.77	22.85	22.89
Conducted Power (Watts)	0.1820	0.1888	0.1888	0.1786	0.1837	0.1849	0.1892	0.1928	0.1945
EIRP(dBm)	22.25	22.41	22.41	22.17	22.29	22.32	22.42	22.50	22.54
EIRP(Watts)	0.1679	0.1742	0.1742	0.1648	0.1694	0.1706	0.1746	0.1778	0.1795



LTE Band 25 (GT - LC = -0.35 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 (MHz)	1850.7	1880	1914.3	1851.5	1880	1913.5	1852.5	1880	1912.5
Conducted Power (dBm)	19.79	19.81	19.63	20.00	19.77	19.85	19.83	19.45	19.87
Conducted Power (Watts)	0.0953	0.0957	0.0918	0.1000	0.0948	0.0966	0.0962	0.0881	0.0971
EIRP(dBm)	19.44	19.46	19.28	19.65	19.42	19.50	19.48	19.10	19.52
EIRP(Watts)	0.0879	0.0883	0.0847	0.0923	0.0875	0.0891	0.0887	0.0813	0.0895

LTE Band 25 (GT - LC = -0.35 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 (MHz)	1855	1880	1910	1857.5	1880	1907.5	1860	1880	1905
Conducted Power (dBm)	19.87	19.52	19.77	19.69	19.95	19.90	19.89	19.92	19.84
Conducted Power (Watts)	0.0971	0.0895	0.0948	0.0931	0.0989	0.0977	0.0975	0.0982	0.0964
EIRP(dBm)	19.52	19.17	19.42	19.34	19.60	19.55	19.54	19.57	19.49
EIRP(Watts)	0.0895	0.0826	0.0875	0.0859	0.0912	0.0902	0.0899	0.0906	0.0889



LTE Band 26 (GT - LC = -2.58 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)	24.39	24.62	24.26	24.19	24.44	24.55	24.36	24.54	24.66
Conducted Power (Watts)	0.2748	0.2897	0.2667	0.2624	0.2780	0.2851	0.2729	0.2844	0.2924
ERP(dBm)	19.66	19.89	19.53	19.46	19.71	19.82	19.63	19.81	19.93
ERP(Watts)	0.0925	0.0975	0.0897	0.0883	0.0935	0.0959	0.0918	0.0957	0.0984

LTE Band 26 (GT - LC = -2.58 dB) QPSK							
Bandwidth	10M			15M			15M
Channel	26840	26915	26990	26865	26915	26965	26765
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)
Frequency	829	836.5	844	831.5	836.5	841.5	821.5
(MHz)							
Conducted Power (dBm)	24.35	24.48	24.65	24.58	24.61	24.69	24.58
Conducted Power (Watts)	0.2723	0.2805	0.2917	0.2871	0.2891	0.2944	0.2871
ERP(dBm)	19.62	19.75	19.92	19.85	19.88	19.96	19.85
ERP(Watts)	0.0916	0.0944	0.0982	0.0966	0.0973	0.0991	0.0966



LTE Band 26 (GT - LC = -2.58 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)	23.75	23.86	23.97	23.60	23.89	23.94	23.77	24.03	24.04
Conducted Power (Watts)	0.2371	0.2432	0.2495	0.2291	0.2449	0.2477	0.2382	0.2529	0.2535
ERP(dBm)	19.02	19.13	19.24	18.87	19.16	19.21	19.04	19.30	19.31
ERP(Watts)	0.0798	0.0818	0.0839	0.0771	0.0824	0.0834	0.0802	0.0851	0.0853

LTE Band 26 (GT - LC = -2.58 dB) 16QAM							
Bandwidth	10M			15M			15M
Channel	26840	26915	26990	26865	26915	26965	26765
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)
Frequency	829	836.5	844	831.5	836.5	841.5	821.5
(MHz)							
Conducted Power (dBm)	23.79	24.00	24.08	23.92	23.99	24.00	23.92
Conducted Power (Watts)	0.2393	0.2512	0.2559	0.2466	0.2506	0.2512	0.2466
ERP(dBm)	19.06	19.27	19.35	19.19	19.26	19.27	19.19
ERP(Watts)	0.0805	0.0845	0.0861	0.0830	0.0843	0.0845	0.0830





LTE Band 26 (GT - LC = -2.58 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)	22.50	22.72	22.87	22.50	22.77	22.80	22.56	22.70	22.97
Conducted Power (Watts)	0.1778	0.1871	0.1936	0.1778	0.1892	0.1905	0.1803	0.1862	0.1982
ERP(dBm)	17.77	17.99	18.14	17.77	18.04	18.07	17.83	17.97	18.24
ERP(Watts)	0.0598	0.0630	0.0652	0.0598	0.0637	0.0641	0.0607	0.0627	0.0667

LTE Band 26 (GT - LC = -2.58 dB) 64QAM							
Bandwidth	10M			15M			15M
Channel	26840	26915	26990	26865	26915	26965	26765
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)
Frequency	829	836.5	844	831.5	836.5	841.5	821.5
(MHz)							
Conducted Power (dBm)	22.58	22.75	22.90	22.79	22.90	22.97	22.79
Conducted Power (Watts)	0.1811	0.1884	0.1950	0.1901	0.1950	0.1982	0.1901
ERP(dBm)	17.85	18.02	18.17	18.06	18.17	18.24	18.06
ERP(Watts)	0.0610	0.0634	0.0656	0.0640	0.0656	0.0667	0.0640



LTE Band 26 (GT - LC = -2.58 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)	19.55	19.88	19.41	19.87	19.68	19.47	19.76	19.94	19.83
Conducted Power (Watts)	0.0902	0.0973	0.0873	0.0971	0.0929	0.0885	0.0946	0.0986	0.0962
ERP(dBm)	14.82	15.15	14.68	15.14	14.95	14.74	15.03	15.21	15.10
ERP(Watts)	0.0303	0.0327	0.0294	0.0327	0.0313	0.0298	0.0318	0.0332	0.0324

LTE Band 26 (GT - LC = -2.58 dB) 256QAM							
Bandwidth	10M			15M			15M
Channel	26840	26915	26990	26865	26915	26965	26765
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)
Frequency	829	836.5	844	831.5	836.5	841.5	821.5
(MHz)							
Conducted Power (dBm)	19.61	19.88	19.74	19.84	19.74	19.76	19.84
Conducted Power (Watts)	0.0914	0.0973	0.0942	0.0964	0.0942	0.0946	0.0964
ERP(dBm)	14.88	15.15	15.01	15.11	15.01	15.03	15.11
ERP(Watts)	0.0308	0.0327	0.0317	0.0324	0.0317	0.0318	0.0324



LTE Band 66 (GT - LC = 1.37 dB) QPSK									
Bandwidth	1.4M			3M			5M		
Channel	131979	132322	132665	131987	132322	132657	131997	132322	132647
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1710.7	1745	1779.3	1711.5	1745	1778.5	1712.5	1745	1777.5
Conducted Power (dBm)	24.47	24.39	24.52	24.46	24.36	24.52	24.47	24.42	24.52
Conducted Power (Watts)	0.2799	0.2748	0.2831	0.2793	0.2729	0.2831	0.2799	0.2767	0.2831
EIRP(dBm)	25.84	25.76	25.89	25.83	25.73	25.89	25.84	25.79	25.89
EIRP(Watts)	0.3837	0.3767	0.3882	0.3828	0.3741	0.3882	0.3837	0.3793	0.3882

LTE Band 66 (GT - LC = 1.37 dB) QPSK									
Bandwidth	10M			15M			20M		
Channel	132022	132322	132622	132047	132322	132597	132072	132322	132572
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(Mid)
Frequency (MHz)	1715	1745	1775	1717.5	1745	1772.5	1720	1745	1770
Conducted Power (dBm)	24.44	24.38	24.52	24.48	24.41	24.52	24.51	24.46	24.53
Conducted Power (Watts)	0.2780	0.2742	0.2831	0.2805	0.2761	0.2831	0.2825	0.2793	0.2838
EIRP(dBm)	25.81	25.75	25.89	25.85	25.78	25.89	25.88	25.83	25.90
EIRP(Watts)	0.3811	0.3758	0.3882	0.3846	0.3784	0.3882	0.3873	0.3828	0.3890



LTE Band 66 (GT - LC = 1.37 dB) 16QAM									
Bandwidth	1.4M			3M			5M		
Channel	131979	132322	132665	131987	132322	132657	131997	132322	132647
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1710.7	1745	1779.3	1711.5	1745	1778.5	1712.5	1745	1777.5
Conducted Power (dBm)	23.86	23.76	23.92	23.83	23.83	23.89	23.90	23.80	23.87
Conducted Power (Watts)	0.2432	0.2377	0.2466	0.2415	0.2415	0.2449	0.2455	0.2399	0.2438
EIRP(dBm)	25.23	25.13	25.29	25.20	25.20	25.26	25.27	25.17	25.24
EIRP(Watts)	0.3334	0.3258	0.3381	0.3311	0.3311	0.3357	0.3365	0.3289	0.3342

LTE Band 66 (GT - LC = 1.37 dB) 16QAM									
Bandwidth	10M			15M			20M		
Channel	132022	132322	132622	132047	132322	132597	132072	132322	132572
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(Mid)
Frequency (MHz)	1715	1745	1775	1717.5	1745	1772.5	1720	1745	1770
Conducted Power (dBm)	23.79	23.84	23.94	23.78	23.73	23.84	24.01	23.88	23.98
Conducted Power (Watts)	0.2393	0.2421	0.2477	0.2388	0.2360	0.2421	0.2518	0.2443	0.2500
EIRP(dBm)	25.16	25.21	25.31	25.15	25.10	25.21	25.38	25.25	25.35
EIRP(Watts)	0.3281	0.3319	0.3396	0.3273	0.3236	0.3319	0.3451	0.3350	0.3428



LTE Band 66 (GT - LC = 1.37 dB) 64QAM									
Bandwidth	1.4M			3M			5M		
Channel	131979	132322	132665	131987	132322	132657	131997	132322	132647
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1710.7	1745	1779.3	1711.5	1745	1778.5	1712.5	1745	1777.5
Conducted Power (dBm)	22.66	22.64	22.76	22.75	22.59	22.74	22.68	22.60	22.78
Conducted Power (Watts)	0.1845	0.1837	0.1888	0.1884	0.1816	0.1879	0.1854	0.1820	0.1897
EIRP(dBm)	24.03	24.01	24.13	24.12	23.96	24.11	24.05	23.97	24.15
EIRP(Watts)	0.2529	0.2518	0.2588	0.2582	0.2489	0.2576	0.2541	0.2495	0.2600

LTE Band 66 (GT - LC = 1.37 dB) 64QAM									
Bandwidth	10M			15M			20M		
Channel	132022	132322	132622	132047	132322	132597	132072	132322	132572
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(Mid)
Frequency (MHz)	1715	1745	1775	1717.5	1745	1772.5	1720	1745	1770
Conducted Power (dBm)	22.74	22.64	22.69	22.71	22.70	22.75	22.80	22.65	22.80
Conducted Power (Watts)	0.1879	0.1837	0.1858	0.1866	0.1862	0.1884	0.1905	0.1841	0.1905
EIRP(dBm)	24.11	24.01	24.06	24.08	24.07	24.12	24.17	24.02	24.17
EIRP(Watts)	0.2576	0.2518	0.2547	0.2559	0.2553	0.2582	0.2612	0.2523	0.2612



LTE Band 66 (GT - LC = 1.37 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)	19.23	19.13	19.33	19.31	19.09	19.35	19.30	19.18	19.31
Conducted Power (Watts)	0.0838	0.0818	0.0857	0.0853	0.0811	0.0861	0.0851	0.0828	0.0853
EIRP(dBm)	20.60	20.50	20.70	20.68	20.46	20.72	20.67	20.55	20.68
EIRP(Watts)	0.1148	0.1122	0.1175	0.1169	0.1112	0.1180	0.1167	0.1135	0.1169

LTE Band 66 (GT - LC = 1.37 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)	19.26	19.16	19.36	19.43	19.29	19.50	19.52	19.37	19.57
Conducted Power (Watts)	0.0843	0.0824	0.0863	0.0877	0.0849	0.0891	0.0895	0.0865	0.0906
EIRP(dBm)	20.63	20.53	20.73	20.80	20.66	20.87	20.89	20.74	20.94
EIRP(Watts)	0.1156	0.1130	0.1183	0.1202	0.1164	0.1222	0.1227	0.1186	0.1242



**CA EIRP**

LTE Band 2C CA (GT - LC = -0.35 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)	24.59	24.54	24.61	24.52	24.64	24.52	24.62	24.51	24.47
Conducted Power (Watts)	0.2877	0.2844	0.2891	0.2831	0.2911	0.2831	0.2897	0.2825	0.2799
EIRP(dBm)	24.24	24.19	24.26	24.17	24.29	24.17	24.27	24.16	24.12
EIRP(Watts)	0.2655	0.2624	0.2667	0.2612	0.2685	0.2612	0.2673	0.2606	0.2582

LTE Band 2C CA (GT - LC = -0.35 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)	24.67	24.63	24.54	24.66	24.58	24.48	24.76	24.74	24.67
Conducted Power (Watts)	0.2931	0.2904	0.2844	0.2924	0.2871	0.2805	0.2992	0.2979	0.2931
EIRP(dBm)	24.32	24.28	24.19	24.31	24.23	24.13	24.41	24.39	24.32
EIRP(Watts)	0.2704	0.2679	0.2624	0.2698	0.2649	0.2588	0.2761	0.2748	0.2704



LTE Band 2C CA (GT - LC = -0.35 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)	24.67	24.59	24.46	24.67	24.59	24.54
Conducted Power (Watts)	0.2931	0.2877	0.2793	0.2931	0.2877	0.2844
ERP(dBm)	24.32	24.24	24.11	24.32	24.24	24.19
ERP(Watts)	0.2704	0.2655	0.2576	0.2704	0.2655	0.2624

LTE Band 2C CA (GT - LC = -0.35 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)	24.74	24.62	24.58	24.99	24.62	24.63
Conducted Power (Watts)	0.2979	0.2897	0.2871	0.3155	0.2897	0.2904
ERP(dBm)	24.39	24.27	24.23	24.64	24.27	24.28
ERP(Watts)	0.2748	0.2673	0.2649	0.2911	0.2673	0.2679





LTE Band 2C CA (GT - LC = -0.35 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)	24.01	23.97	23.90	23.66	23.39	23.42	24.06	24.09	24.05
Conducted Power (Watts)	0.2518	0.2495	0.2455	0.2323	0.2183	0.2198	0.2547	0.2564	0.2541
EIRP(dBm)	23.66	23.62	23.55	23.31	23.04	23.07	23.71	23.74	23.70
EIRP(Watts)	0.2323	0.2301	0.2265	0.2143	0.2014	0.2028	0.2350	0.2366	0.2344

LTE Band 2C CA (GT - LC = -0.35 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)	23.84	23.90	23.87	23.94	23.87	23.81	23.92	23.80	24.02
Conducted Power (Watts)	0.2421	0.2455	0.2438	0.2477	0.2438	0.2404	0.2466	0.2399	0.2523
EIRP(dBm)	23.49	23.55	23.52	23.59	23.52	23.46	23.57	23.45	23.67
EIRP(Watts)	0.2234	0.2265	0.2249	0.2286	0.2249	0.2218	0.2275	0.2213	0.2328



LTE Band 2C CA (GT - LC = -0.35 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)	24.02	23.39	24.09	24.02	24.03	23.97
Conducted Power (Watts)	0.2523	0.2183	0.2564	0.2523	0.2529	0.2495
ERP(dBm)	23.67	23.04	23.74	23.67	23.68	23.62
ERP(Watts)	0.2328	0.2014	0.2366	0.2328	0.2333	0.2301

LTE Band 2C CA (GT - LC = -0.35 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)	23.80	24.15	23.90	23.95	24.15	24.03
Conducted Power (Watts)	0.2399	0.2600	0.2455	0.2483	0.2600	0.2529
ERP(dBm)	23.45	23.80	23.55	23.60	23.80	23.68
ERP(Watts)	0.2213	0.2399	0.2265	0.2291	0.2399	0.2333



LTE Band 2C CA (GT - LC = -0.35 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)	21.52	21.45	21.37	21.67	21.58	21.50	21.72	21.73	21.75
Conducted Power (Watts)	0.1419	0.1396	0.1371	0.1469	0.1439	0.1413	0.1486	0.1489	0.1496
EIRP(dBm)	21.17	21.10	21.02	21.32	21.23	21.15	21.37	21.38	21.40
EIRP(Watts)	0.1309	0.1288	0.1265	0.1355	0.1327	0.1303	0.1371	0.1374	0.1380

LTE Band 2C CA (GT - LC = -0.35 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)	21.90	21.79	22.00	21.76	21.87	21.78	21.67	21.63	21.57
Conducted Power (Watts)	0.1549	0.1510	0.1585	0.1500	0.1538	0.1507	0.1469	0.1455	0.1435
EIRP(dBm)	21.55	21.44	21.65	21.41	21.52	21.43	21.32	21.28	21.22
EIRP(Watts)	0.1429	0.1393	0.1462	0.1384	0.1419	0.1390	0.1355	0.1343	0.1324



LTE Band 2C CA (GT - LC = -0.35 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)	21.37	21.58	21.73	23.90	21.94	21.57
Conducted Power (Watts)	0.1371	0.1439	0.1489	0.2455	0.1563	0.1435
ERP(dBm)	21.02	21.23	21.38	23.55	21.59	21.22
ERP(Watts)	0.1265	0.1327	0.1374	0.2265	0.1442	0.1324

LTE Band 2C CA (GT - LC = -0.35 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)	21.63	21.79	21.37	21.94	21.81	21.63
Conducted Power (Watts)	0.1455	0.1510	0.1371	0.1563	0.1517	0.1455
ERP(dBm)	21.28	21.44	21.02	21.59	21.46	21.28
ERP(Watts)	0.1343	0.1393	0.1265	0.1442	0.1400	0.1343



LTE Band 2C CA (GT - LC = -0.35 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)	19.99	20.03	19.93	19.95	20.01	19.92	20.22	20.10	19.98
Conducted Power (Watts)	0.0998	0.1007	0.0984	0.0989	0.1002	0.0982	0.1052	0.1023	0.0995
EIRP(dBm)	19.64	19.68	19.58	19.60	19.66	19.57	19.87	19.75	19.63
EIRP(Watts)	0.0920	0.0929	0.0908	0.0912	0.0925	0.0906	0.0971	0.0944	0.0918

LTE Band 2C CA (GT - LC = -0.35 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)	19.73	19.68	19.63	19.68	19.63	19.80	20.30	20.18	20.08
Conducted Power (Watts)	0.0940	0.0929	0.0918	0.0929	0.0918	0.0955	0.1072	0.1042	0.1019
EIRP(dBm)	19.38	19.33	19.28	19.33	19.28	19.45	19.95	19.83	19.73
EIRP(Watts)	0.0867	0.0857	0.0847	0.0857	0.0847	0.0881	0.0989	0.0962	0.0940



LTE Band 2C CA (GT - LC = -0.35 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)	19.93	20.08	20.10	19.99	19.96	20.08
Conducted Power (Watts)	0.0984	0.1019	0.1023	0.0998	0.0991	0.1019
ERP(dBm)	19.58	19.73	19.75	19.64	19.61	19.73
ERP(Watts)	0.0908	0.0940	0.0944	0.0920	0.0914	0.0940

LTE Band 2C CA (GT - LC = -0.35 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)	20.18	19.68	19.93	19.96	20.10	19.83
Conducted Power (Watts)	0.1042	0.0929	0.0984	0.0991	0.1023	0.0962
ERP(dBm)	19.83	19.33	19.58	19.61	19.75	19.48
ERP(Watts)	0.0962	0.0857	0.0908	0.0914	0.0944	0.0887



LTE Band 5B CA (GT - LC = -2.58 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)	24.62	24.50	24.62	24.60	24.59	24.49	24.52	24.37	24.59
Conducted Power (Watts)	0.2897	0.2818	0.2897	0.2884	0.2877	0.2812	0.2831	0.2735	0.2877
ERP(dBm)	19.89	19.77	19.89	19.87	19.86	19.76	19.79	19.64	19.86
ERP(Watts)	0.0975	0.0948	0.0975	0.0971	0.0968	0.0946	0.0953	0.0920	0.0968

LTE Band 5B CA (GT - LC = -2.58 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)	24.63	24.59	24.56	24.59	24.64	24.57
Conducted Power (Watts)	0.2904	0.2877	0.2858	0.2877	0.2911	0.2864
ERP(dBm)	19.90	19.86	19.83	19.86	19.91	19.84
ERP(Watts)	0.0977	0.0968	0.0962	0.0968	0.0979	0.0964



LTE Band 5B CA (GT - LC = -2.58 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)	24.45	24.62	24.36	23.61	23.75	23.77	23.87	23.73	23.88
Conducted Power (Watts)	0.2786	0.2897	0.2729	0.2296	0.2371	0.2382	0.2438	0.2360	0.2443
ERP(dBm)	19.72	19.89	19.63	18.88	19.02	19.04	19.14	19.00	19.15
ERP(Watts)	0.0938	0.0975	0.0918	0.0773	0.0798	0.0802	0.0820	0.0794	0.0822

LTE Band 5B CA (GT - LC = -2.58 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)	23.98	24.16	24.04	23.87	23.94	23.81
Conducted Power (Watts)	0.2500	0.2606	0.2535	0.2438	0.2477	0.2404
ERP(dBm)	19.25	19.43	19.31	19.14	19.21	19.08
ERP(Watts)	0.0841	0.0877	0.0853	0.0820	0.0834	0.0809





LTE Band 5B CA (GT - LC = -2.58 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)	22.71	22.61	22.63	24.04	22.48	22.60	22.71	22.78	22.51
Conducted Power (Watts)	0.1866	0.1824	0.1832	0.2535	0.1770	0.1820	0.1866	0.1897	0.1782
ERP(dBm)	17.98	17.88	17.90	19.31	17.75	17.87	17.98	18.05	17.78
ERP(Watts)	0.0628	0.0614	0.0617	0.0853	0.0596	0.0612	0.0628	0.0638	0.0600

LTE Band 5B CA (GT - LC = -2.58 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)	22.73	22.76	22.79	22.98	22.90	22.83
Conducted Power (Watts)	0.1875	0.1888	0.1901	0.1986	0.1950	0.1919
ERP(dBm)	18.00	18.03	18.06	18.25	18.17	18.10
ERP(Watts)	0.0631	0.0635	0.0640	0.0668	0.0656	0.0646



LTE Band 5B CA (GT - LC = -2.58 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)	21.43	21.44	21.52	21.43	21.47	21.47	20.07	19.97	20.03
Conducted Power (Watts)	0.1390	0.1393	0.1419	0.1390	0.1403	0.1403	0.1016	0.0993	0.1007
ERP(dBm)	16.70	16.71	16.79	16.70	16.74	16.74	15.34	15.24	15.30
ERP(Watts)	0.0468	0.0469	0.0478	0.0468	0.0472	0.0472	0.0342	0.0334	0.0339

LTE Band 5B CA (GT - LC = -2.58 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)	19.56	19.76	19.79	19.84	19.89	19.90
Conducted Power (Watts)	0.0904	0.0946	0.0953	0.0964	0.0975	0.0977
ERP(dBm)	14.83	15.03	15.06	15.11	15.16	15.17
ERP(Watts)	0.0304	0.0318	0.0321	0.0324	0.0328	0.0329



LTE Band 66B CA (GT - LC = 1.37 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)	24.41	24.42	24.23	24.36	24.45	24.21	24.43	24.44	24.40
Conducted Power (Watts)	0.2761	0.2767	0.2649	0.2729	0.2786	0.2636	0.2773	0.2780	0.2754
EIRP(dBm)	25.78	25.79	25.60	25.73	25.82	25.58	25.80	25.81	25.77
EIRP(Watts)	0.3784	0.3793	0.3631	0.3741	0.3819	0.3614	0.3802	0.3811	0.3776

LTE Band 66B CA (GT - LC = -1.37 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)	24.41	24.42	24.36	24.38	24.40	24.46	24.39	24.46	24.23
Conducted Power (Watts)	0.2761	0.2767	0.2729	0.2742	0.2754	0.2793	0.2748	0.2793	0.2649
EIRP(dBm)	25.78	25.79	25.73	25.75	25.77	25.83	25.76	25.83	25.60
EIRP(Watts)	0.3784	0.3793	0.3741	0.3758	0.3776	0.3828	0.3767	0.3828	0.3631



LTE Band 66B CA (GT - LC = 1.37 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)	23.84	23.88	23.93	23.56	23.77	23.82	23.78	23.85	23.69
Conducted Power (Watts)	0.2421	0.2443	0.2472	0.2270	0.2382	0.2410	0.2388	0.2427	0.2339
EIRP(dBm)	25.21	25.25	25.30	24.93	25.14	25.19	25.15	25.22	25.06
EIRP(Watts)	0.3319	0.3350	0.3388	0.3112	0.3266	0.3304	0.3273	0.3327	0.3206

LTE Band 66B CA (GT - LC = 1.37 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)	23.58	23.64	23.72	23.81	23.82	23.77	24.02	23.95	23.69
Conducted Power (Watts)	0.2280	0.2312	0.2355	0.2404	0.2410	0.2382	0.2523	0.2483	0.2339
EIRP(dBm)	24.95	25.01	25.09	25.18	25.19	25.14	25.39	25.32	25.06
EIRP(Watts)	0.3126	0.3170	0.3228	0.3296	0.3304	0.3266	0.3459	0.3404	0.3206



LTE Band 66B CA (GT - LC = 1.37 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)	22.97	22.79	22.89	22.63	22.74	22.78	22.92	22.84	22.59
Conducted Power (Watts)	0.1982	0.1901	0.1945	0.1832	0.1879	0.1897	0.1959	0.1923	0.1816
EIRP(dBm)	24.34	24.16	24.26	24.00	24.11	24.15	24.29	24.21	23.96
EIRP(Watts)	0.2716	0.2606	0.2667	0.2512	0.2576	0.2600	0.2685	0.2636	0.2489

LTE Band 66B CA (GT - LC = 1.37 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)	22.52	22.53	22.58	22.68	22.82	22.68	22.82	22.80	22.83
Conducted Power (Watts)	0.1786	0.1791	0.1811	0.1854	0.1914	0.1854	0.1914	0.1905	0.1919
EIRP(dBm)	23.89	23.90	23.95	24.05	24.19	24.05	24.19	24.17	24.20
EIRP(Watts)	0.2449	0.2455	0.2483	0.2541	0.2624	0.2541	0.2624	0.2612	0.2630



LTE Band 66B CA (GT - LC = 1.37 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)	22.09	22.25	22.18	19.60	19.68	19.63	21.31	21.41	21.57
Conducted Power (Watts)	0.1618	0.1679	0.1652	0.0912	0.0929	0.0918	0.1352	0.1384	0.1435
EIRP(dBm)	23.46	23.62	23.55	20.97	21.05	21.00	22.68	22.78	22.94
EIRP(Watts)	0.2218	0.2301	0.2265	0.1250	0.1274	0.1259	0.1854	0.1897	0.1968

LTE Band 66B CA (GT - LC = 1.37 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)	19.43	19.64	19.66	19.73	19.58	19.72	21.66	21.53	21.65
Conducted Power (Watts)	0.0877	0.0920	0.0925	0.0940	0.0908	0.0938	0.1466	0.1422	0.1462
EIRP(dBm)	20.80	21.01	21.03	21.10	20.95	21.09	23.03	22.90	23.02
EIRP(Watts)	0.1202	0.1262	0.1268	0.1288	0.1245	0.1285	0.2009	0.1950	0.2004



LTE Band 66C CA (GT - LC = 1.37 dB) QPSK									
Bandwidth	5M + 20M			10M + 15M			10M + 20M		
Channel PCC	132005	132330	132455	132025	132351	132477	132027	132328	132428
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	132122	132447	132572	132145	132471	132597	132171	132472	132572
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	24.35	24.40	24.30	24.46	24.41	24.27	24.27	24.32	24.37
Conducted Power (Watts)	0.2723	0.2754	0.2692	0.2793	0.2761	0.2673	0.2673	0.2704	0.2735
EIRP(dBm)	25.72	25.77	25.67	25.83	25.78	25.64	25.64	25.69	25.74
EIRP(Watts)	0.3733	0.3776	0.3690	0.3828	0.3784	0.3664	0.3664	0.3707	0.3750

LTE Band 66C CA (GT - LC = 1.37 dB) QPSK									
Bandwidth	15M + 10M			15M + 15M			15M + 20M		
Channel PCC	132047	132373	132499	132047	132347	132447	132050	132325	132401
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	132167	132493	132619	132197	132497	132597	132221	132496	132572
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	24.42	24.22	24.39	24.33	24.38	24.10	24.43	24.44	24.39
Conducted Power (Watts)	0.2767	0.2642	0.2748	0.2710	0.2742	0.2570	0.2773	0.2780	0.2748
EIRP(dBm)	25.79	25.59	25.76	25.70	25.75	25.47	25.80	25.81	25.76
EIRP(Watts)	0.3793	0.3622	0.3767	0.3715	0.3758	0.3524	0.3802	0.3811	0.3767



LTE Band 66C CA (GT - LC = 1.37 dB) QPSK						
Bandwidth	20M+5M			20M+10M		
Channel PCC	132072	132397	132522	132072	132373	132473
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	132189	132514	132639	132216	132517	132617
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	24.37	24.37	24.37	24.19	24.29	24.10
Conducted Power (Watts)	0.2735	0.2735	0.2735	0.2624	0.2685	0.2570
EIRP(dBm)	25.74	25.74	25.74	25.56	25.66	25.47
EIRP(Watts)	0.3750	0.3750	0.3750	0.3597	0.3681	0.3524

LTE Band 66C CA (GT - LC = 1.37 dB) QPSK						
Bandwidth	20M+15M			20M+20M		
Channel PCC	132072	132348	132423	132072	132323	132374
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	132243	132519	132594	132270	132521	132572
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	24.31	24.20	24.06	24.34	24.40	24.50
Conducted Power (Watts)	0.2698	0.2630	0.2547	0.2716	0.2754	0.2818
EIRP(dBm)	25.68	25.57	25.43	25.71	25.77	25.87
EIRP(Watts)	0.3698	0.3606	0.3491	0.3724	0.3776	0.3864





LTE Band 66C CA (GT - LC = 1.37 dB) 16QAM									
Bandwidth	5M + 20M			10M + 15M			10M + 20M		
Channel PCC	132005	132330	132455	132025	132351	132477	132027	132328	132428
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	132122	132447	132572	132145	132471	132597	132171	132472	132572
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.76	23.56	23.80	23.56	23.59	23.78	23.54	23.62	23.69
Conducted Power (Watts)	0.2377	0.2270	0.2399	0.2270	0.2286	0.2388	0.2259	0.2301	0.2339
EIRP(dBm)	25.13	24.93	25.17	24.93	24.96	25.15	24.91	24.99	25.06
EIRP(Watts)	0.3258	0.3112	0.3289	0.3112	0.3133	0.3273	0.3097	0.3155	0.3206

LTE Band 66C CA (GT - LC = 1.37 dB) 16QAM									
Bandwidth	15M + 10M			15M + 15M			15M + 20M		
Channel PCC	132047	132373	132499	132047	132347	132447	132050	132325	132401
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	132167	132493	132619	132197	132497	132597	132221	132496	132572
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.61	23.64	23.78	23.64	23.58	23.39	23.57	23.63	23.29
Conducted Power (Watts)	0.2296	0.2312	0.2388	0.2312	0.2280	0.2183	0.2275	0.2307	0.2133
EIRP(dBm)	24.98	25.01	25.15	25.01	24.95	24.76	24.94	25.00	24.66
EIRP(Watts)	0.3148	0.3170	0.3273	0.3170	0.3126	0.2992	0.3119	0.3162	0.2924



LTE Band 66C CA (GT - LC = 1.37 dB) 16QAM						
Bandwidth	20M+5M			20M+10M		
Channel PCC	132072	132397	132522	132072	132373	132473
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	132189	132514	132639	132216	132517	132617
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.56	23.72	23.64	23.46	23.66	23.60
Conducted Power (Watts)	0.2270	0.2355	0.2312	0.2218	0.2323	0.2291
EIRP(dBm)	24.93	25.09	25.01	24.83	25.03	24.97
EIRP(Watts)	0.3112	0.3228	0.3170	0.3041	0.3184	0.3141

LTE Band 66C CA (GT - LC = 1.37 dB) 16QAM						
Bandwidth	20M+15M			20M+20M		
Channel PCC	132072	132348	132423	132072	132323	132374
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	132243	132519	132594	132270	132521	132572
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.42	23.55	23.59	23.66	23.92	23.79
Conducted Power (Watts)	0.2198	0.2265	0.2286	0.2323	0.2466	0.2393
EIRP(dBm)	24.79	24.92	24.96	25.03	25.29	25.16
EIRP(Watts)	0.3013	0.3105	0.3133	0.3184	0.3381	0.3281



LTE Band 66C CA (GT - LC = 1.37 dB) 64QAM									
Bandwidth	5M + 20M			10M + 15M			10M + 20M		
Channel PCC	132005	132330	132455	132025	132351	132477	132027	132328	132428
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	132122	132447	132572	132145	132471	132597	132171	132472	132572
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	22.73	22.77	22.74	22.39	22.56	22.66	22.52	22.50	22.61
Conducted Power (Watts)	0.1875	0.1892	0.1879	0.1734	0.1803	0.1845	0.1786	0.1778	0.1824
EIRP(dBm)	24.10	24.14	24.11	23.76	23.93	24.03	23.89	23.87	23.98
EIRP(Watts)	0.2570	0.2594	0.2576	0.24	0.25	0.25	0.2449	0.2438	0.2500

LTE Band 66C CA (GT - LC = 1.37 dB) 64QAM									
Bandwidth	15M + 10M			15M + 15M			15M + 20M		
Channel PCC	132047	132373	132499	132047	132347	132447	132050	132325	132401
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	132167	132493	132619	132197	132497	132597	132221	132496	132572
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.50	23.22	23.35	22.30	22.45	22.21	22.76	22.71	22.61
Conducted Power (Watts)	0.2239	0.2099	0.2163	0.1698	0.1758	0.1663	0.1888	0.1866	0.1824
EIRP(dBm)	24.87	24.59	24.72	23.67	23.82	23.58	24.13	24.08	23.98
EIRP(Watts)	0.3069	0.2877	0.2965	0.2328	0.2410	0.2280	0.2588	0.2559	0.2500



LTE Band 66C CA (GT - LC = 1.37 dB) 64QAM						
Bandwidth	20M+5M			20M+10M		
Channel PCC	132072	132397	132522	132072	132373	132473
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	132189	132514	132639	132216	132517	132617
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	22.89	22.83	22.83	22.60	22.50	22.67
Conducted Power (Watts)	0.1945	0.1919	0.1919	0.1820	0.1778	0.1849
EIRP(dBm)	24.26	24.20	24.20	23.97	23.87	24.04
EIRP(Watts)	0.2667	0.2630	0.2630	0.2495	0.2438	0.2535

LTE Band 66C CA (GT - LC = 1.37 dB) 64QAM						
Bandwidth	20M+15M			20M+20M		
Channel PCC	132072	132348	132423	132072	132323	132374
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	132243	132519	132594	132270	132521	132572
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	22.62	22.55	22.57	22.71	22.57	22.75
Conducted Power (Watts)	0.1828	0.1799	0.1807	0.1866	0.1807	0.1884
EIRP(dBm)	23.99	23.92	23.94	24.08	23.94	24.12
EIRP(Watts)	0.2506	0.2466	0.2477	0.2559	0.2477	0.2582



LTE Band 66C CA (GT - LC = 1.37 dB) 256QAM									
Bandwidth	5M + 20M			10M + 15M			10M + 20M		
Channel PCC	132005	132330	132455	132025	132351	132477	132027	132328	132428
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	132122	132447	132572	132145	132471	132597	132171	132472	132572
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	19.75	19.51	19.74	19.66	19.54	19.57	19.43	19.40	19.46
Conducted Power (Watts)	0.0944	0.0893	0.0942	0.0925	0.0899	0.0906	0.0877	0.0871	0.0883
EIRP(dBm)	21.12	20.88	21.11	21.03	20.91	20.94	20.80	20.77	20.83
EIRP(Watts)	0.1294	0.1225	0.1291	0.13	0.12	0.12	0.1202	0.1194	0.1211

LTE Band 66C CA (GT - LC = 1.37 dB) 256QAM									
Bandwidth	15M + 10M			15M + 15M			15M + 20M		
Channel PCC	132047	132373	132499	132047	132347	132447	132050	132325	132401
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	132167	132493	132619	132197	132497	132597	132221	132496	132572
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	19.56	19.55	19.50	19.54	19.48	19.62	19.52	19.59	19.52
Conducted Power (Watts)	0.0904	0.0902	0.0891	0.0899	0.0887	0.0916	0.0895	0.0910	0.0895
EIRP(dBm)	20.93	20.92	20.87	20.91	20.85	20.99	20.89	20.96	20.89
EIRP(Watts)	0.1239	0.1236	0.1222	0.1233	0.1216	0.1256	0.1227	0.1247	0.1227



LTE Band 66C CA (GT - LC = 1.37 dB) 256QAM						
Bandwidth	20M+5M			20M+10M		
Channel PCC	132072	132397	132522	132072	132373	132473
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	132189	132514	132639	132216	132517	132617
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	19.57	19.73	19.65	19.37	19.52	19.53
Conducted Power (Watts)	0.0906	0.0940	0.0923	0.0865	0.0895	0.0897
EIRP(dBm)	20.94	21.10	21.02	20.74	20.89	20.90
EIRP(Watts)	0.1242	0.1288	0.1265	0.1186	0.1227	0.1230

LTE Band 66C CA (GT - LC = 1.37 dB) 256QAM						
Bandwidth	20M+15M			20M+20M		
Channel PCC	132072	132348	132423	132072	132323	132374
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	132243	132519	132594	132270	132521	132572
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	19.41	19.30	19.45	19.56	19.66	19.66
Conducted Power (Watts)	0.0873	0.0851	0.0881	0.0904	0.0925	0.0925
EIRP(dBm)	20.78	20.67	20.82	20.93	21.03	21.03
EIRP(Watts)	0.1197	0.1167	0.1208	0.1239	0.1268	0.1268



# LTE Band 25

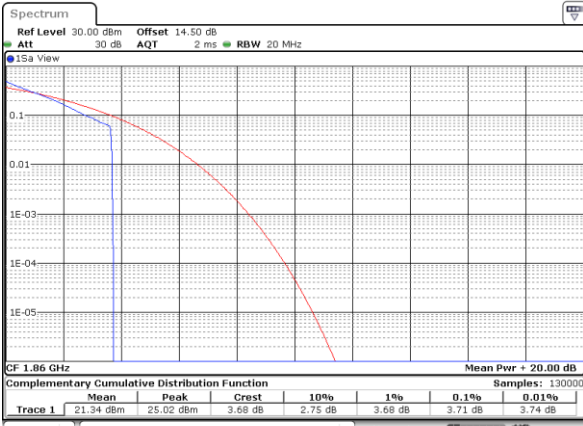
## Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.71	4.72	4.14	5.88	PASS
Middle CH	3.68	4.55	4.61	5.77	
Highest CH	3.62	4.93	4.58	5.88	
Mode	LTE Band 25 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.48	6.49	-	-	PASS
Middle CH	5.62	6.29	-	-	
Highest CH	5.39	6.49	-	-	



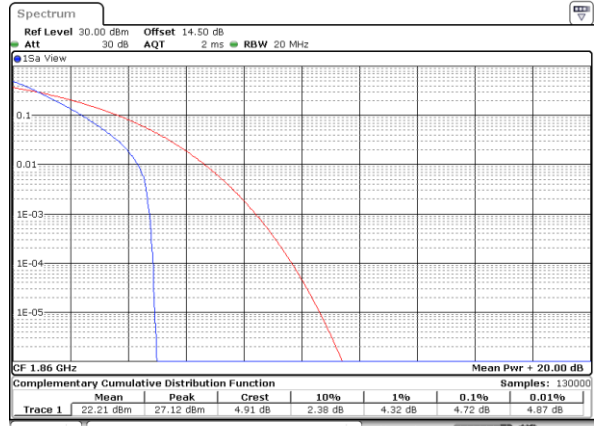
LTE Band 25 / 20MHz / QPSK

Lowest Channel / 1RB



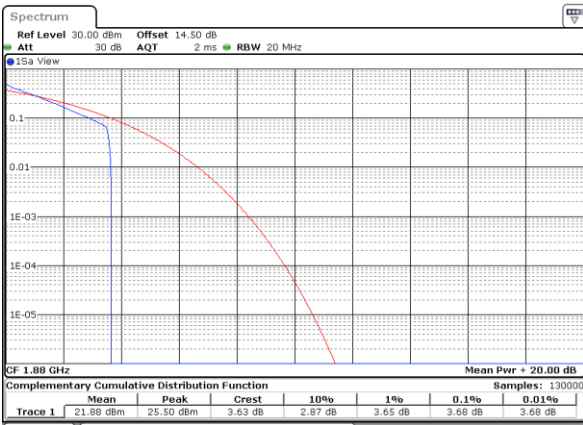
Date: 28.MAR.2022 19:23:14

Lowest Channel / Full RB



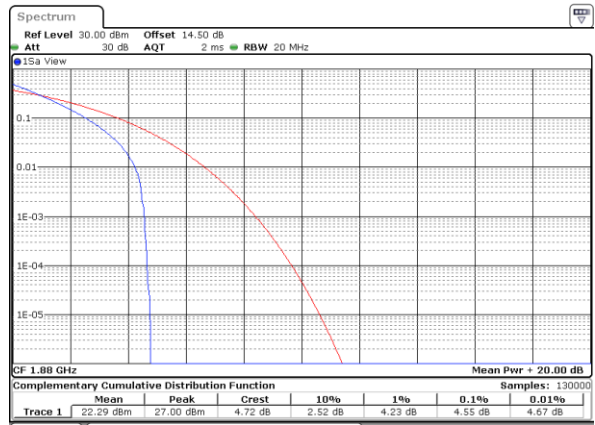
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Middle Channel / 1RB



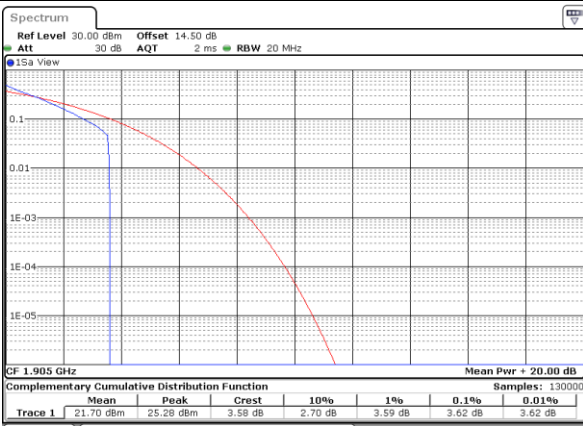
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Middle Channel / Full RB



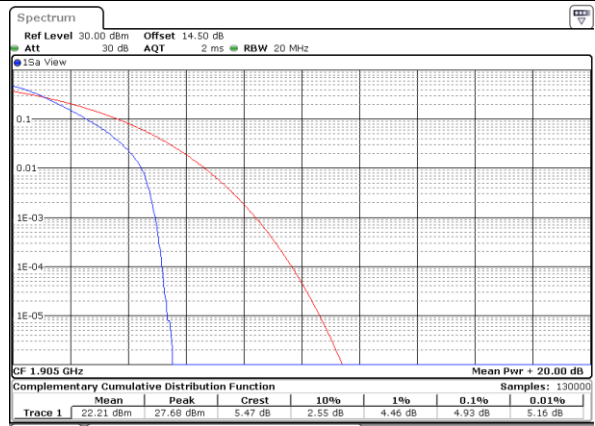
Date: 28.MAR.2022 19:25:44

Highest Channel / 1RB



Date: 28.MAR.2022 19:27:02

Highest Channel / Full RB



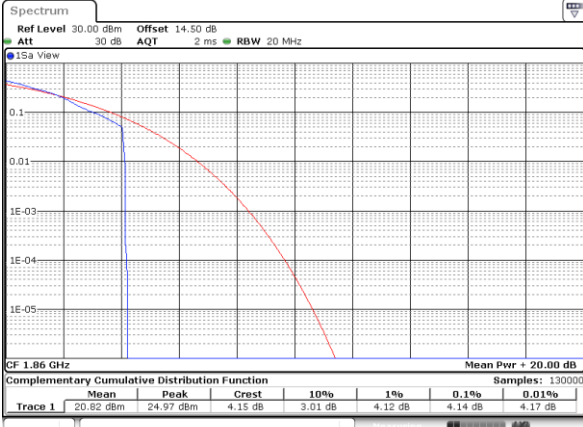
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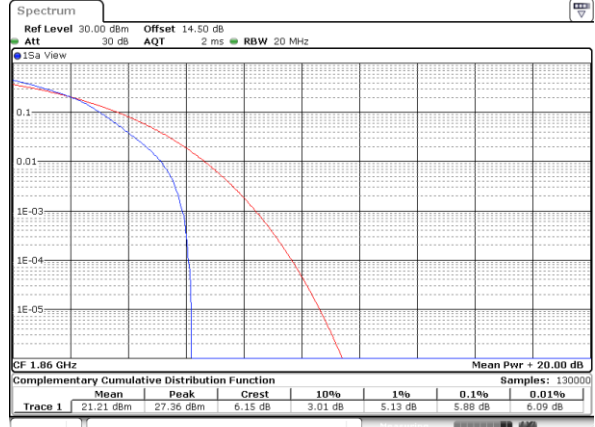
LTE Band 25 / 20MHz / 16QAM

Lowest Channel / 1RB



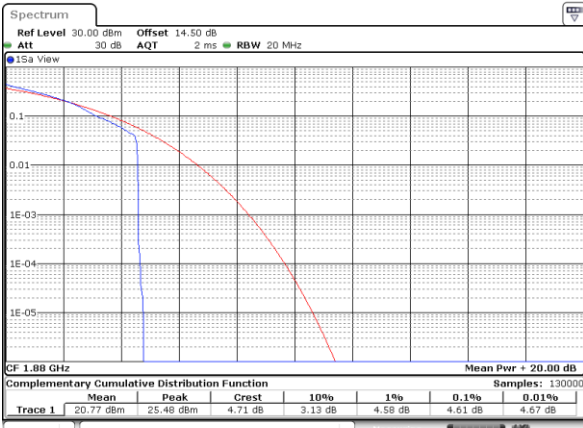
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Lowest Channel / Full RB



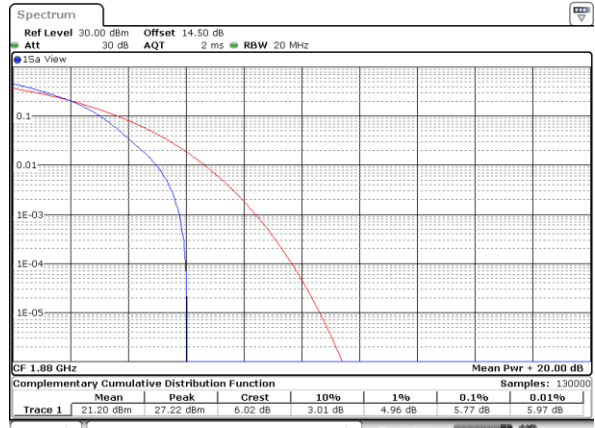
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Middle Channel / 1RB



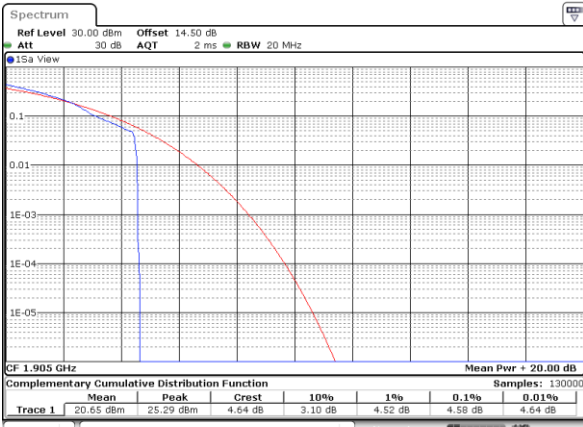
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Middle Channel / Full RB



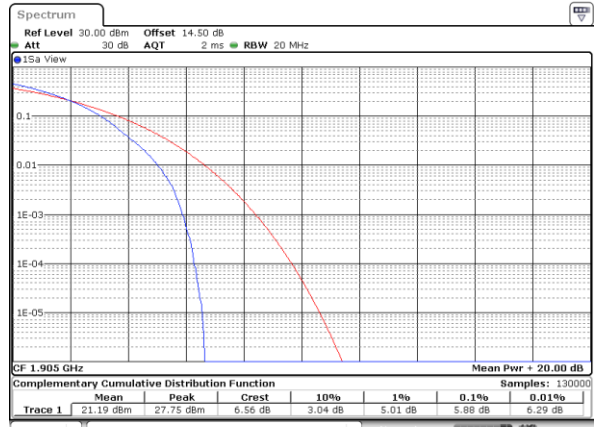
Date: 28.MAR.2022 19:24:52

Highest Channel / 1RB



Date: 28.MAR.2022 19:26:10

Highest Channel / Full RB

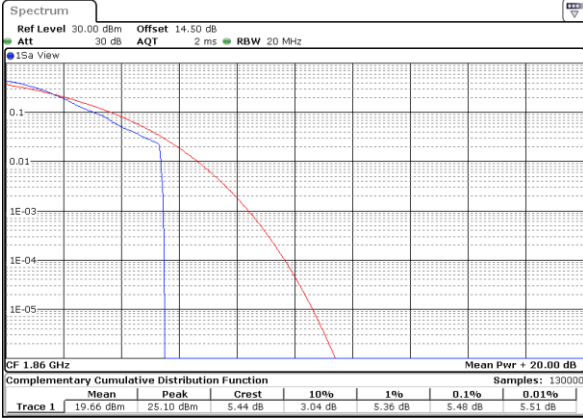


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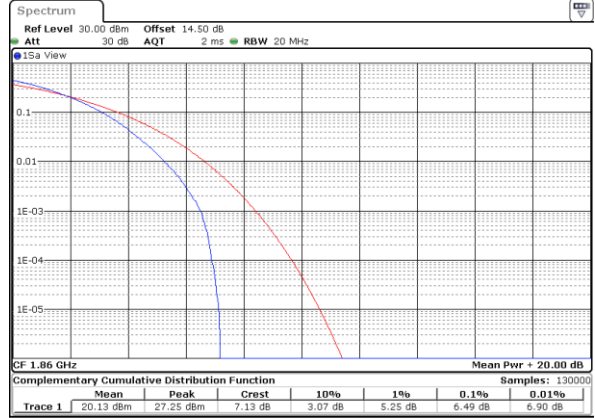
LTE Band 25 / 20MHz / 64QAM

Lowest Channel / 1RB



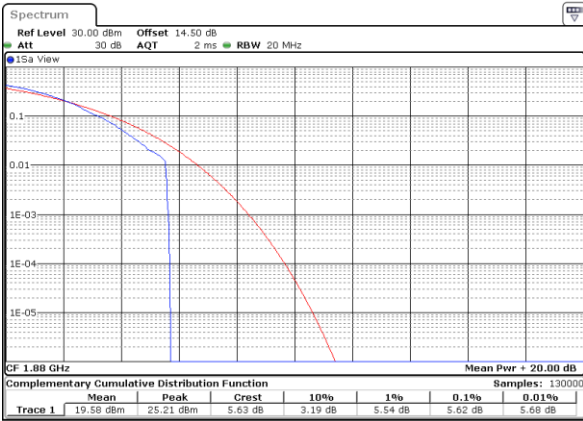
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Lowest Channel / Full RB



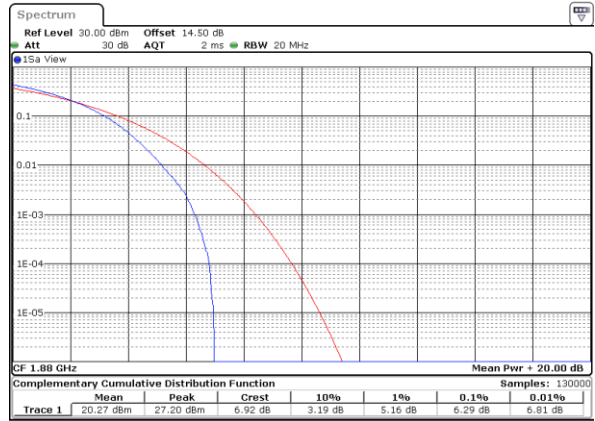
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Middle Channel / 1RB



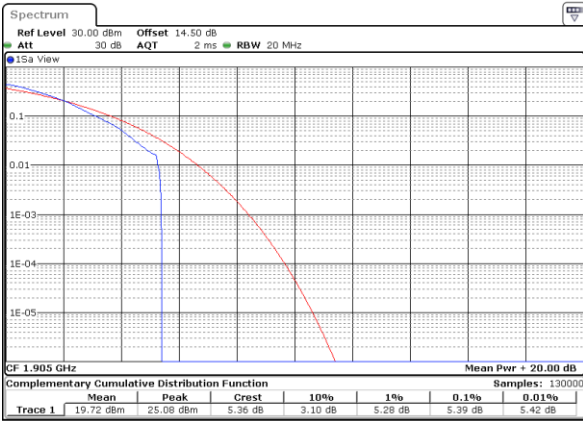
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Middle Channel / Full RB



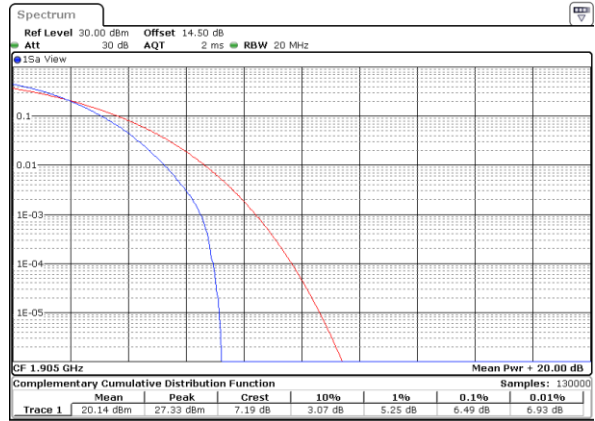
Date: 28.MAR.2022 19:21:24

Highest Channel / 1RB



Date: 28.MAR.2022 19:21:50

Highest Channel / Full RB



Date: 28.MAR.2022 19:22:16



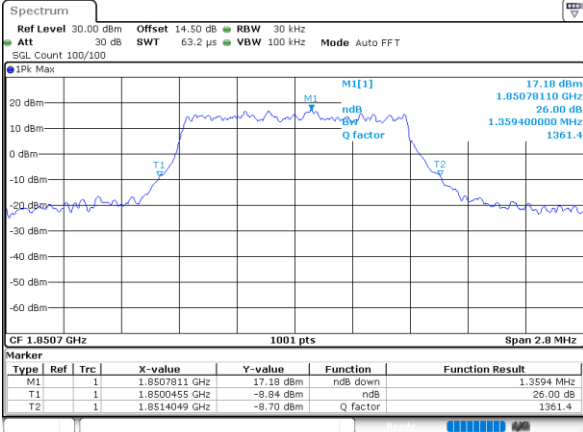
**26dB Bandwidth**

Mode	LTE Band 25 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.36	1.33	3.09	3.16	5.10	5.02	9.67	9.91	14.87	14.69	18.98	19.14
Middle CH	1.28	1.31	2.99	3.03	5.05	5.16	9.81	9.97	14.90	14.42	18.90	19.46
Highest CH	1.34	1.35	3.04	3.03	5.12	5.01	10.01	9.95	14.51	14.78	18.98	18.94
Mode	LTE Band 25 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.33	-	3.05	-	5.01	-	9.93	-	14.81	-	18.98	-
Middle CH	1.30	-	3.03	-	5.12	-	9.99	-	14.48	-	19.18	-
Highest CH	1.31	-	3.03	-	4.90	-	9.99	-	14.90	-	19.26	-



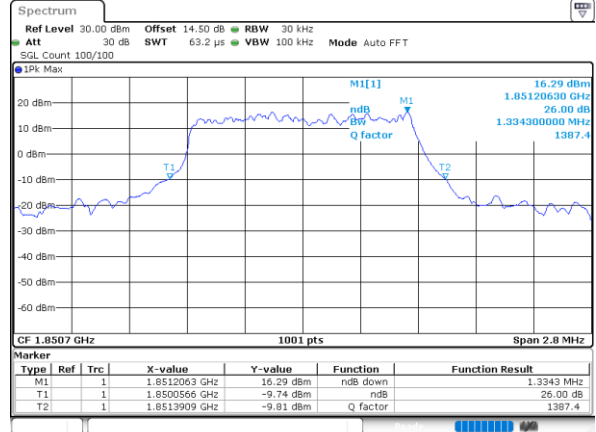
LTE Band 25

Lowest Channel / 1.4MHz / QPSK



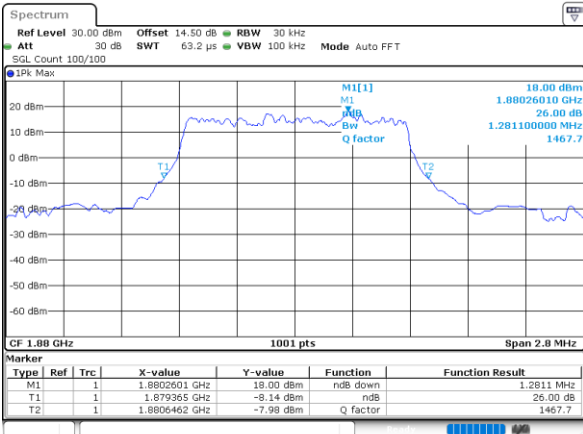
Date: 28\_MAR.2022 18:42:07

Lowest Channel / 1.4MHz / 16QAM



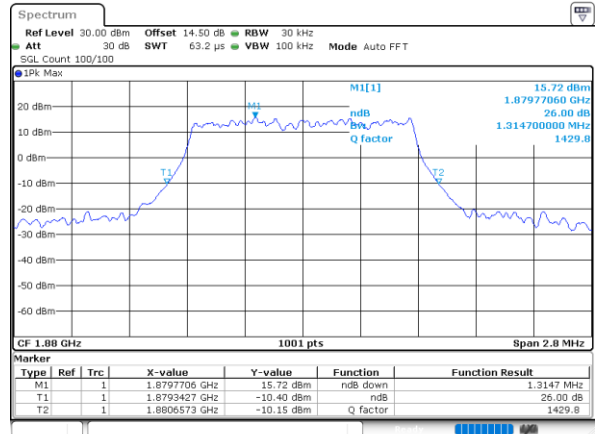
Date: 28\_MAR.2022 18:42:31

Middle Channel / 1.4MHz / QPSK



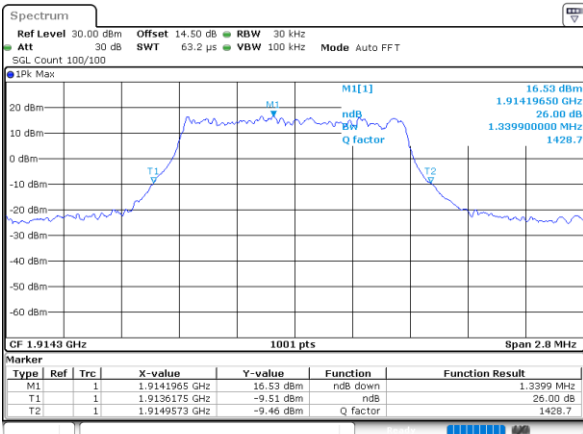
Date: 28\_MAR.2022 18:52:21

Middle Channel / 1.4MHz / 16QAM



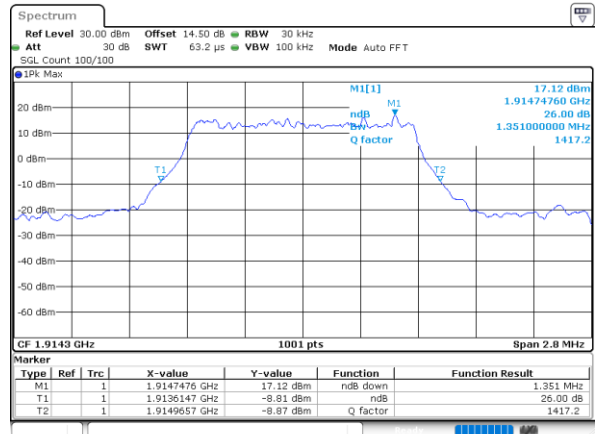
Date: 28\_MAR.2022 18:52:45

Highest Channel / 1.4MHz / QPSK



Date: 28\_MAR.2022 18:56:38

Highest Channel / 1.4MHz / 16QAM

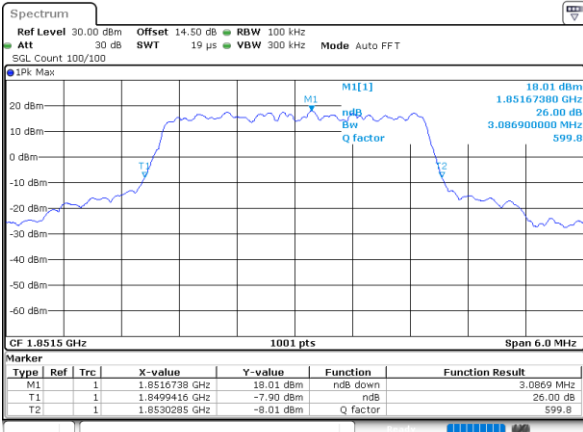


Date: 28\_MAR.2022 18:56:14



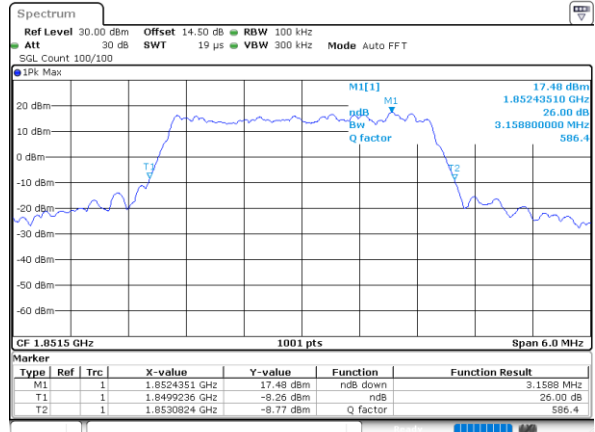
LTE Band 25

Lowest Channel / 3MHz / QPSK



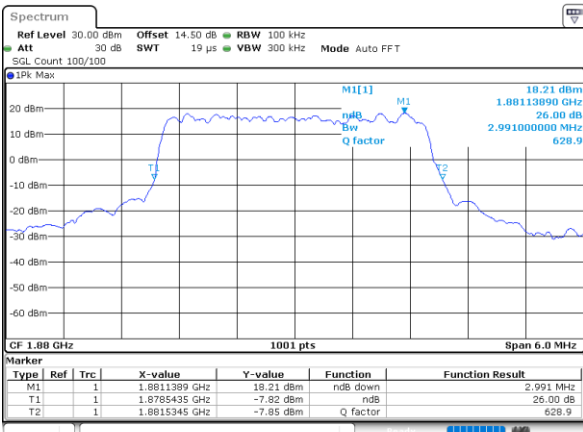
Date: 28\_MAR\_2022 13:09:54

Lowest Channel / 3MHz / 16QAM



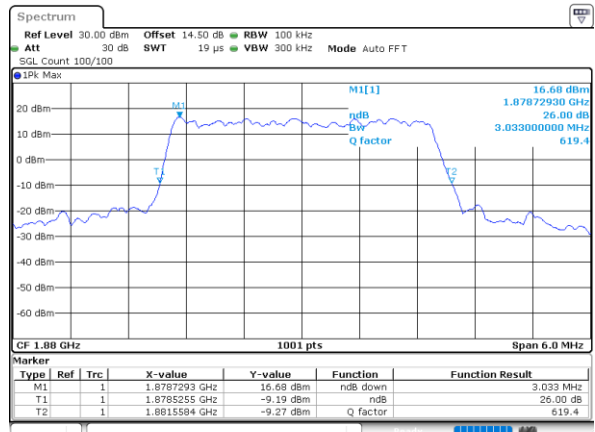
Date: 28\_MAR\_2022 13:10:18

Middle Channel / 3MHz / QPSK



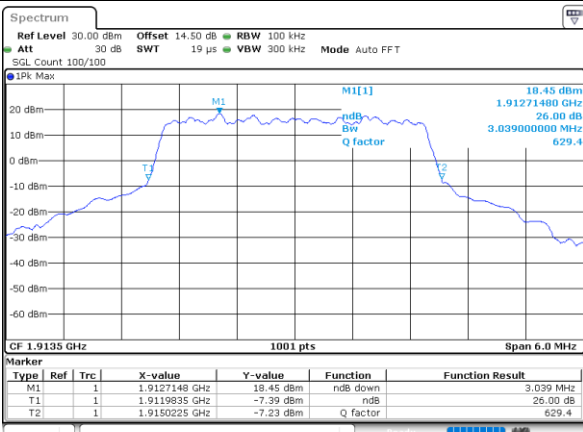
Date: 28\_MAR\_2022 13:20:29

Middle Channel / 3MHz / 16QAM



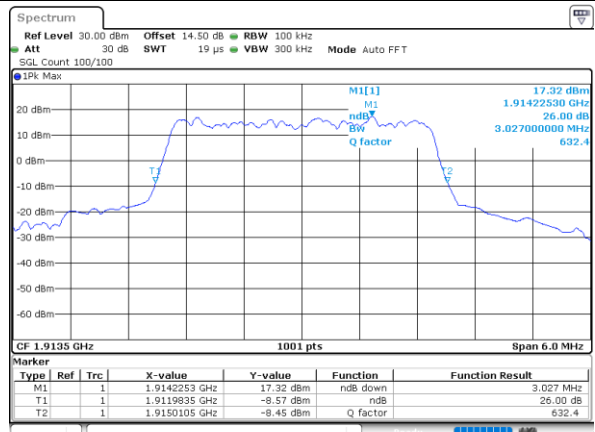
Date: 28\_MAR\_2022 13:20:53

Highest Channel / 3MHz / QPSK



Date: 28\_MAR\_2022 13:24:48

Highest Channel / 3MHz / 16QAM

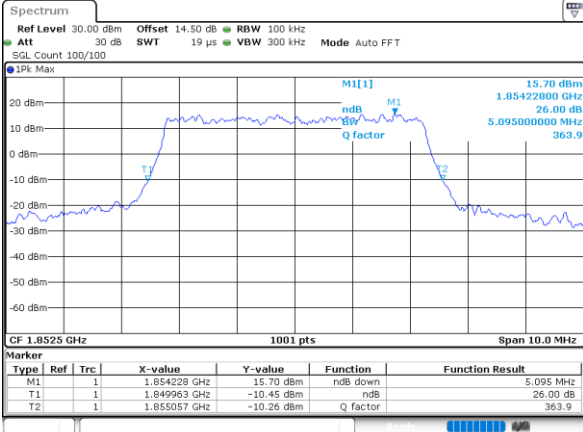


Date: 28\_MAR\_2022 13:24:24



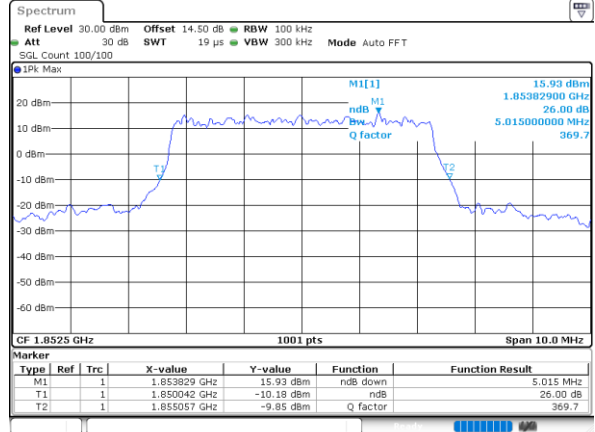
LTE Band 25

Lowest Channel / 5MHz / QPSK



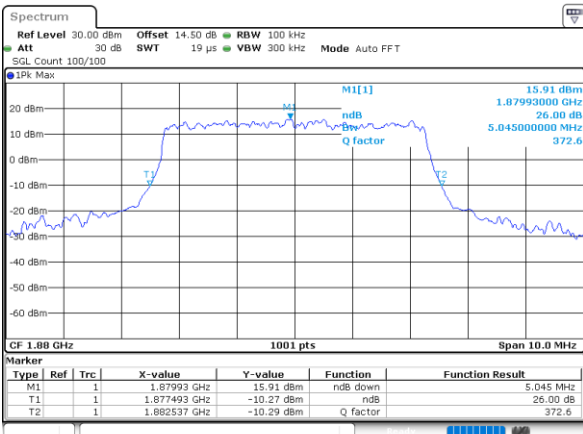
Date: 28\_MAR\_2022 13:34:51

Lowest Channel / 5MHz / 16QAM



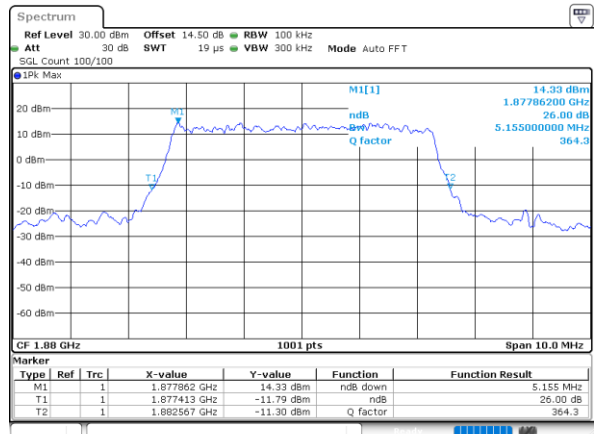
Date: 28\_MAR\_2022 13:35:15

Middle Channel / 5MHz / QPSK



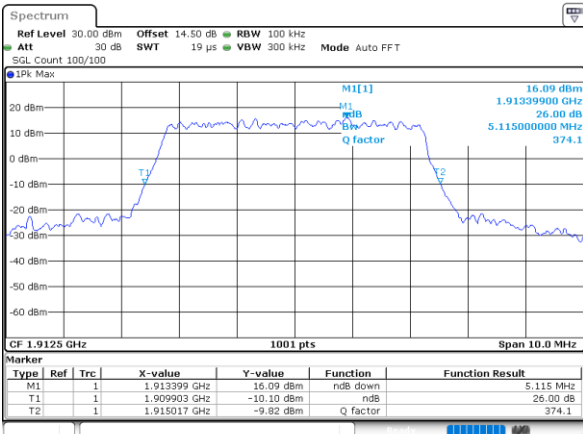
Date: 28\_MAR\_2022 13:45:26

Middle Channel / 5MHz / 16QAM



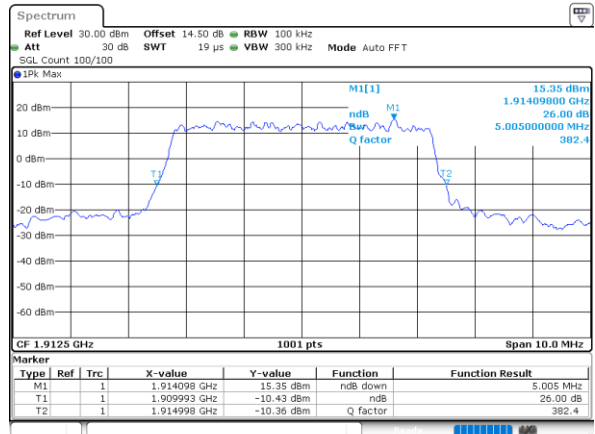
Date: 28\_MAR\_2022 13:45:51

Highest Channel / 5MHz / QPSK



Date: 28\_MAR\_2022 13:49:46

Highest Channel / 5MHz / 16QAM

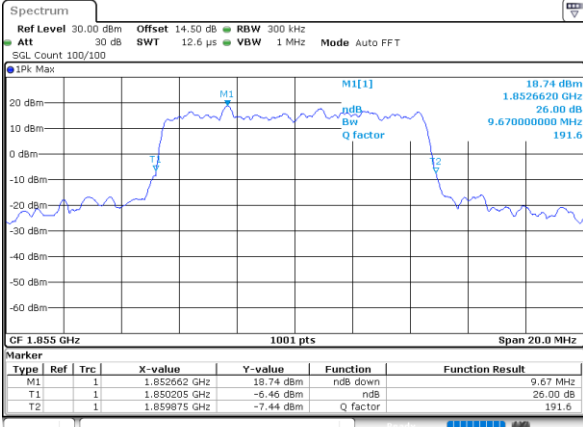


Date: 28\_MAR\_2022 13:49:22



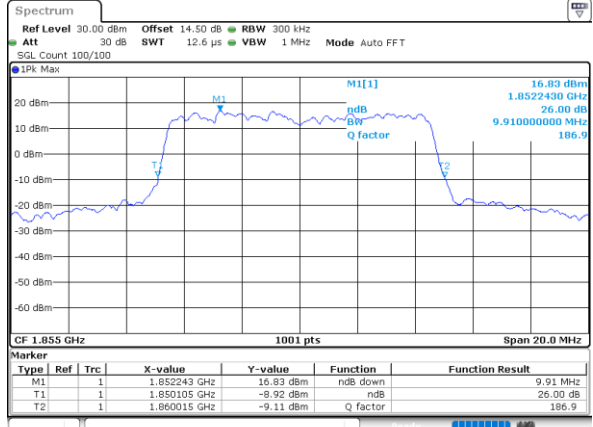
LTE Band 25

Lowest Channel / 10MHz / QPSK



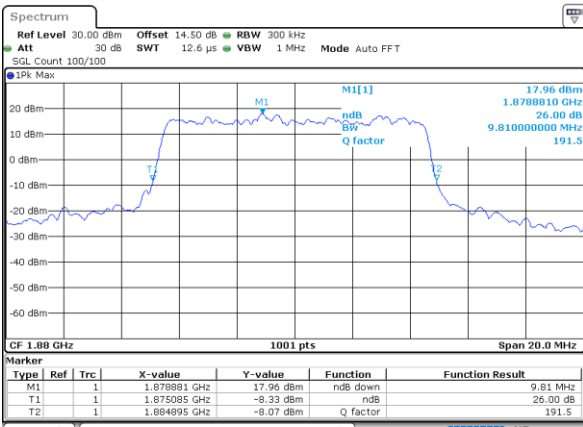
Date: 28\_MAR,2022 14:11:49

Lowest Channel / 10MHz / 16QAM



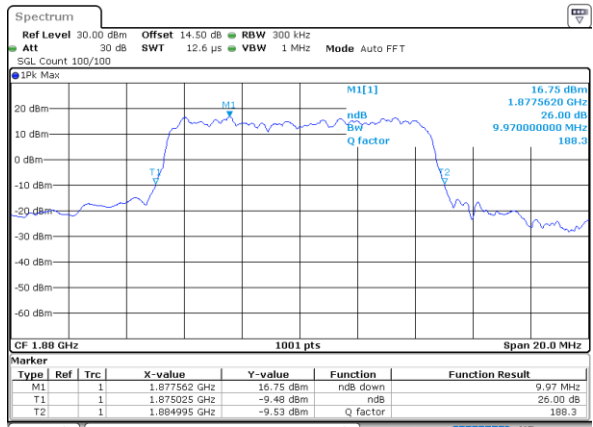
Date: 28\_MAR,2022 14:12:14

Middle Channel / 10MHz / QPSK



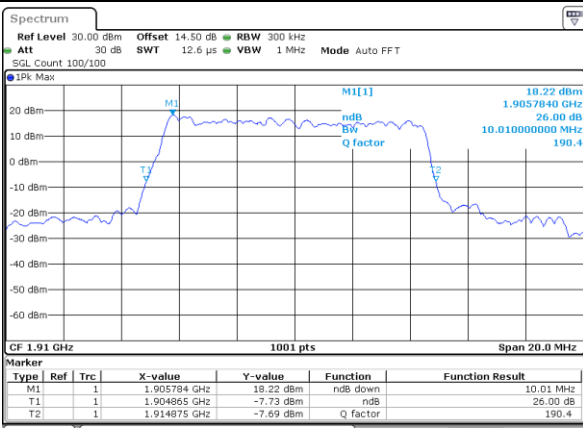
Date: 28\_MAR,2022 14:45:04

Middle Channel / 10MHz / 16QAM



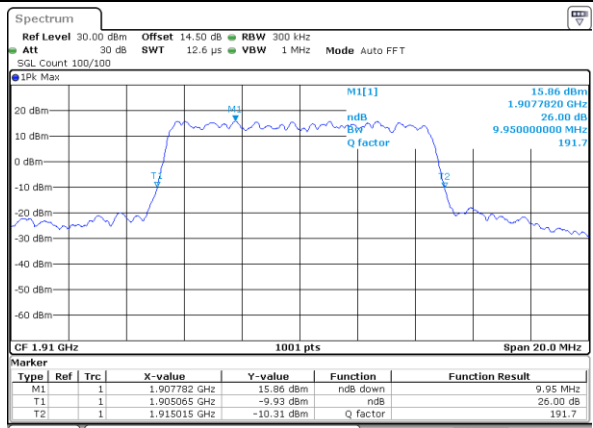
Date: 28\_MAR,2022 14:45:59

Highest Channel / 10MHz / QPSK



Date: 28\_MAR,2022 14:49:52

Highest Channel / 10MHz / 16QAM

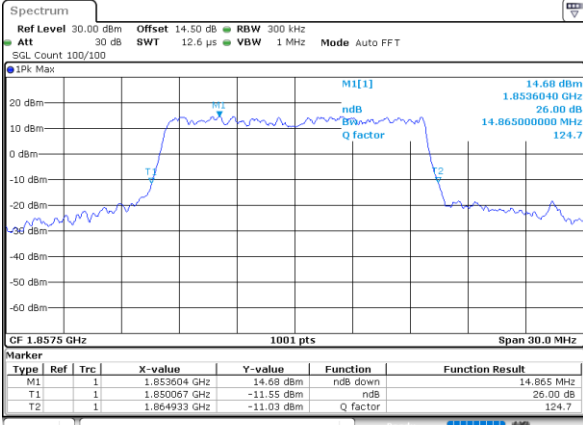


Date: 28\_MAR,2022 14:49:28



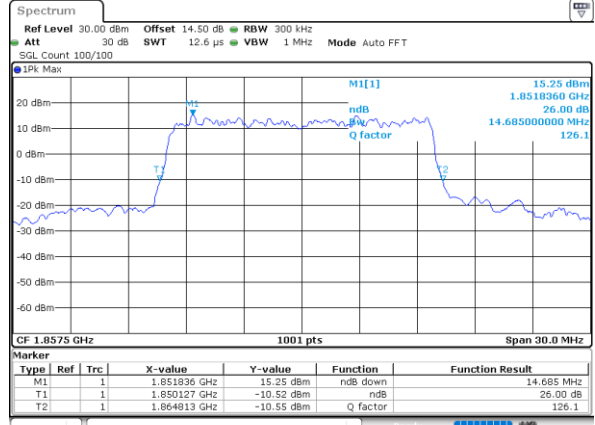
LTE Band 25

Lowest Channel / 15MHz / QPSK



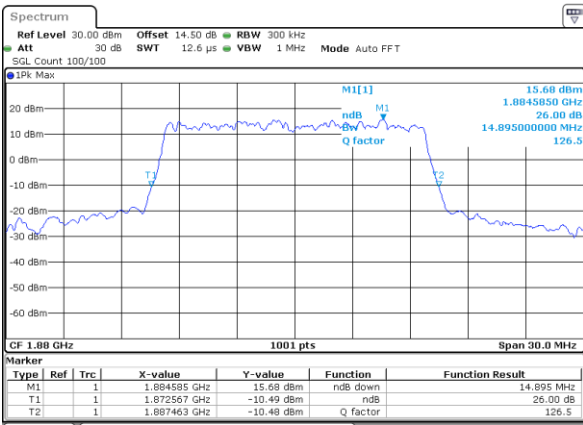
Date: 28\_MAR.2022 15:25:59

Lowest Channel / 15MHz / 16QAM



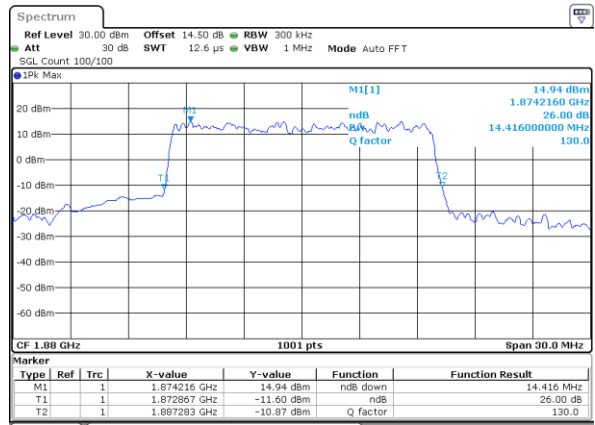
Date: 28\_MAR.2022 15:26:23

Middle Channel / 15MHz / QPSK



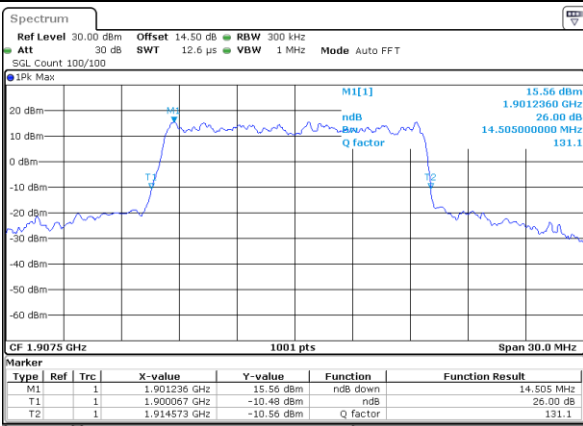
Date: 28\_MAR.2022 17:49:43

Middle Channel / 15MHz / 16QAM



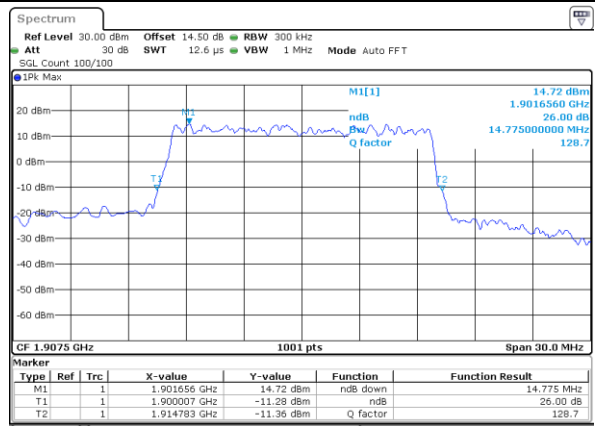
Date: 28\_MAR.2022 17:50:07

Highest Channel / 15MHz / QPSK



Date: 28\_MAR.2022 17:54:01

Highest Channel / 15MHz / 16QAM



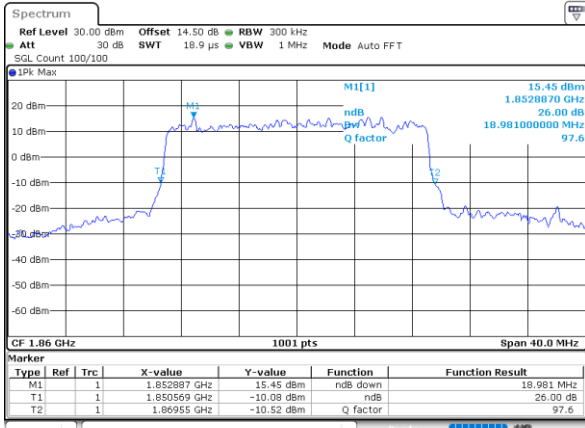
Date: 28\_MAR.2022 17:53:37





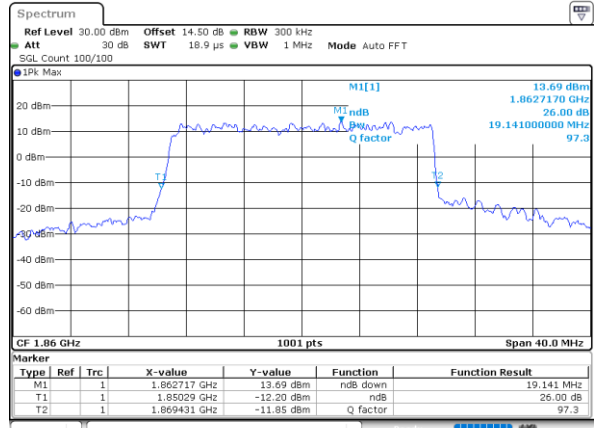
LTE Band 25

Lowest Channel / 20MHz / QPSK



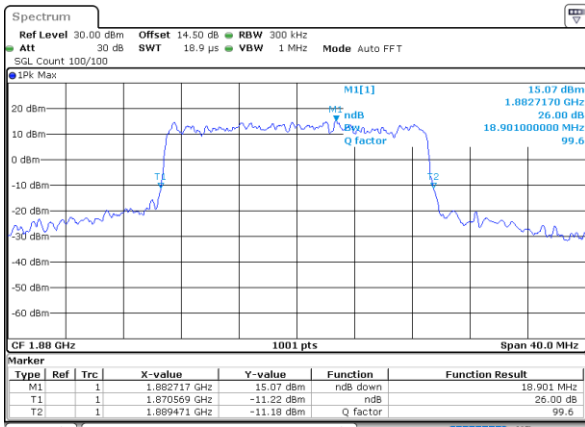
Date: 28\_MAR\_2022 18:03:42

Lowest Channel / 20MHz / 16QAM



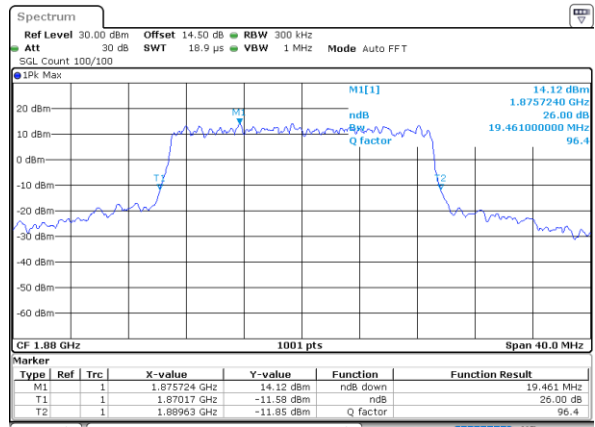
Date: 28\_MAR\_2022 18:04:06

Middle Channel / 20MHz / QPSK



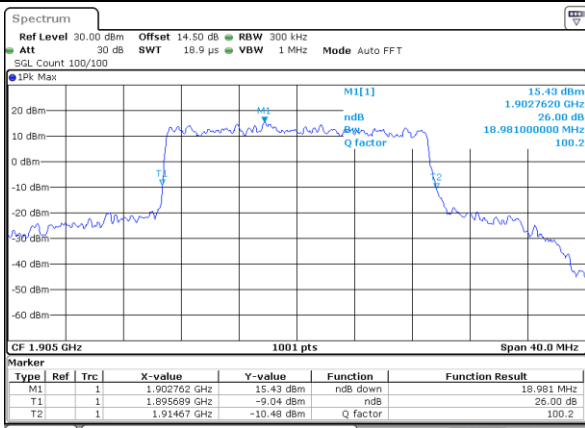
Date: 28\_MAR\_2022 18:13:06

Middle Channel / 20MHz / 16QAM



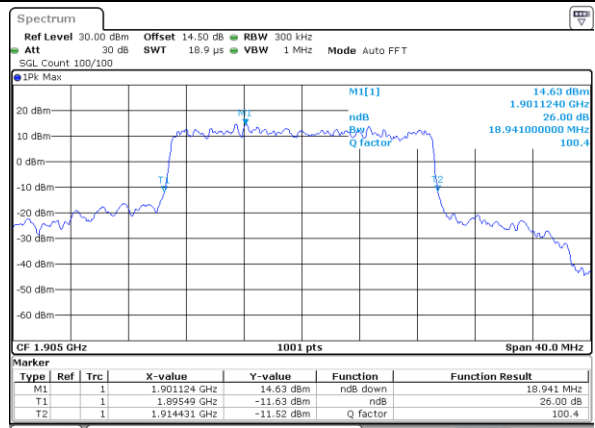
Date: 28\_MAR\_2022 18:14:20

Highest Channel / 20MHz / QPSK



Date: 28\_MAR\_2022 18:18:15

Highest Channel / 20MHz / 16QAM

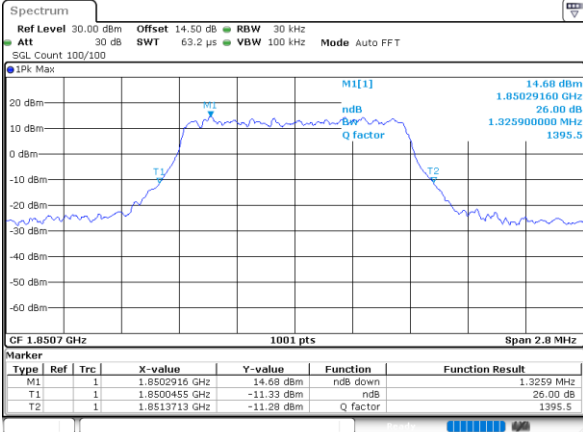


Date: 28\_MAR\_2022 18:17:51



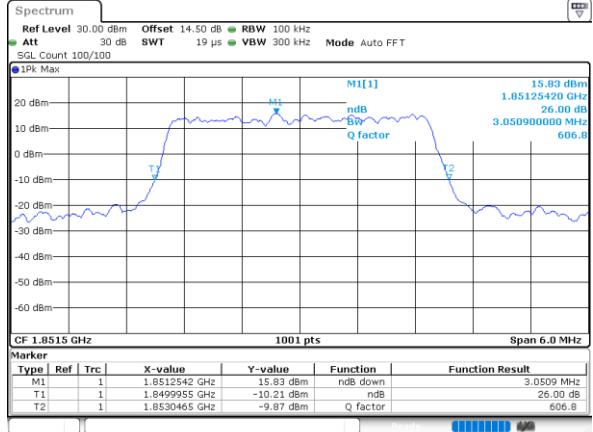
LTE Band 25

Lowest Channel / 1.4MHz / 64QAM



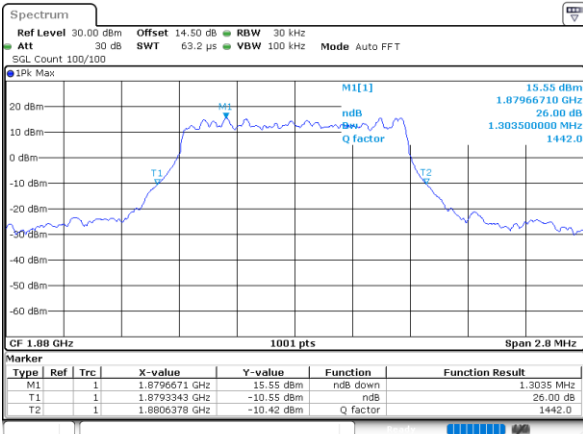
Date: 28\_MAR\_2022 19:08:42

Lowest Channel / 3MHz / 64QAM



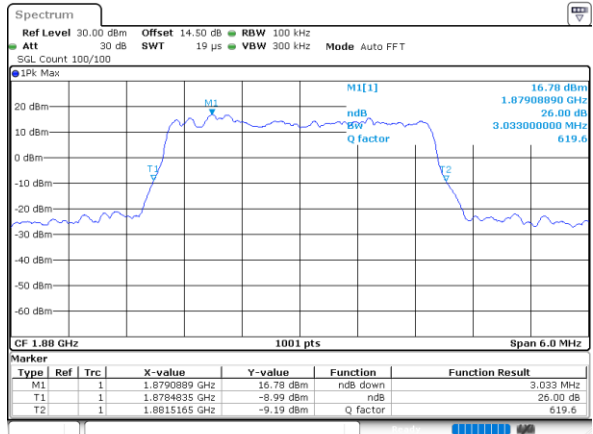
Date: 28\_MAR\_2022 12:57:121

Middle Channel / 1.4MHz / 64QAM



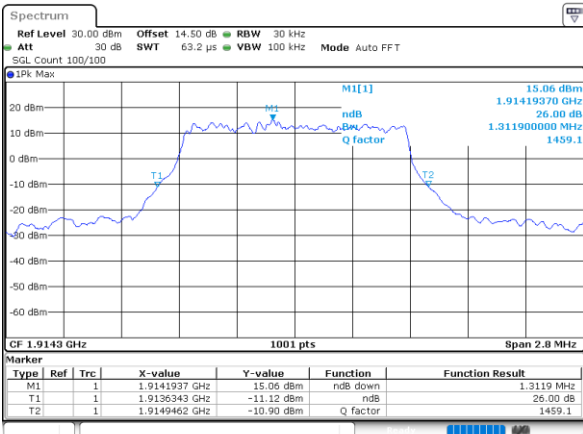
Date: 28\_MAR\_2022 19:13:40

Middle Channel / 3MHz / 64QAM



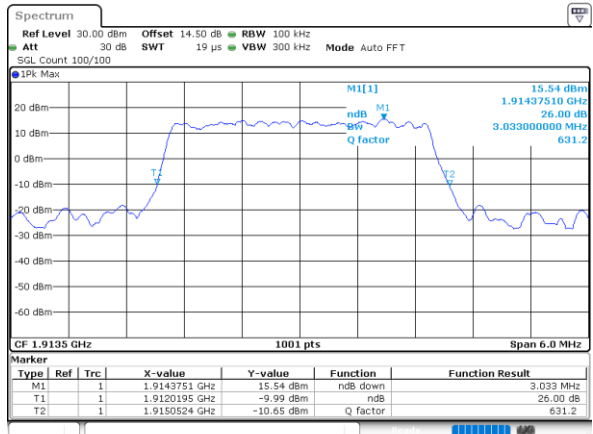
Date: 28\_MAR\_2022 13:02:129

Highest Channel / 1.4MHz / 64QAM



Date: 28\_MAR\_2022 19:15:32

Highest Channel / 3MHz / 64QAM

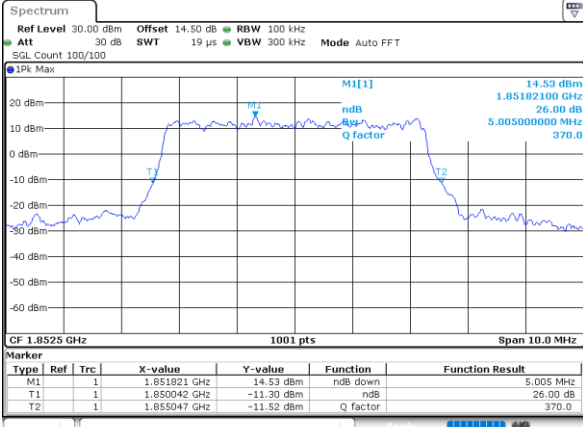


Date: 28\_MAR\_2022 13:04:121



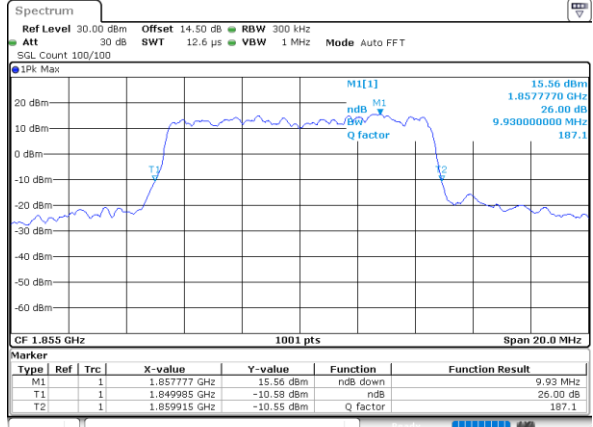
LTE Band 25

Lowest Channel / 5MHz / 64QAM



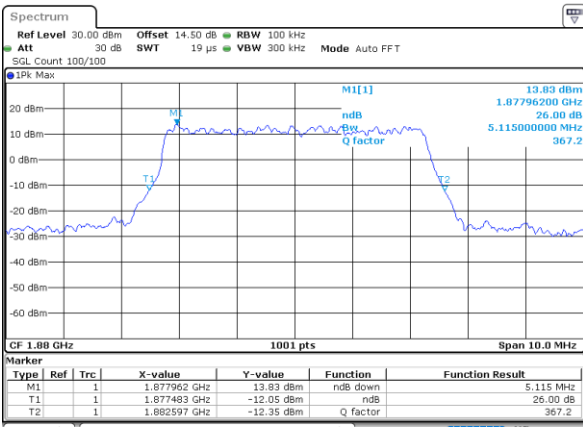
Date: 28\_MAR.2022 13:59:14

Lowest Channel / 10MHz / 64QAM



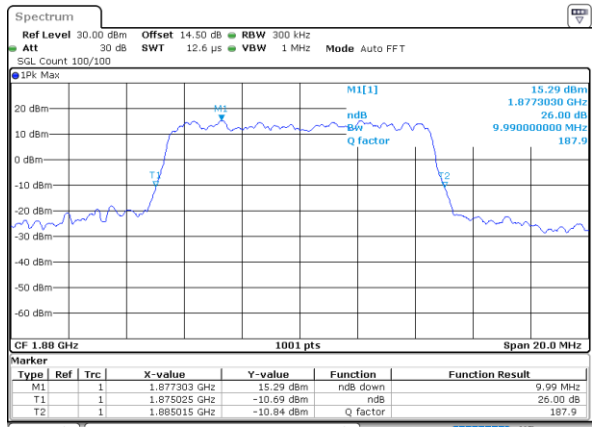
Date: 28\_MAR.2022 14:59:19

Middle Channel / 5MHz / 64QAM



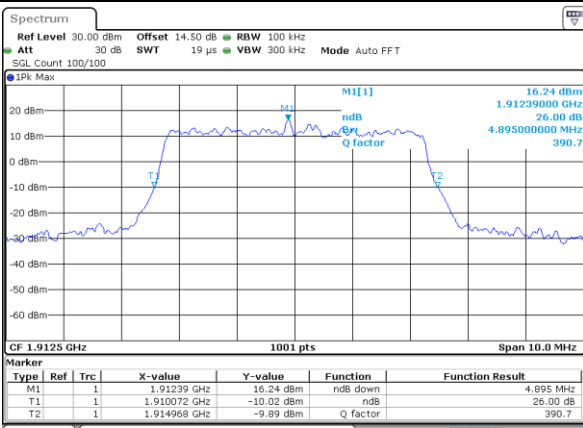
Date: 28\_MAR.2022 14:04:22

Middle Channel / 10MHz / 64QAM



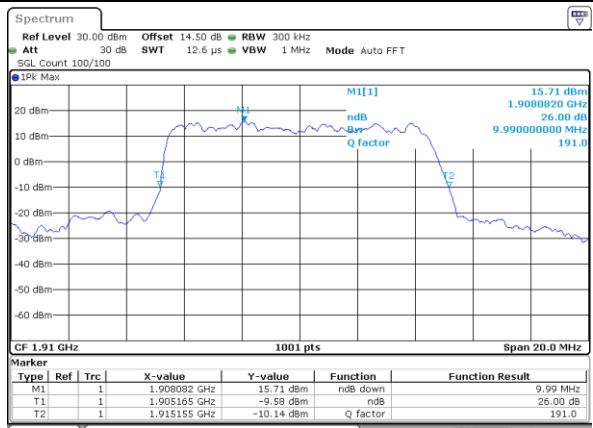
Date: 28\_MAR.2022 15:04:26

Highest Channel / 5MHz / 64QAM



Date: 28\_MAR.2022 14:06:15

Highest Channel / 10MHz / 64QAM



Date: 28\_MAR.2022 15:06:18