



FCC RF Test Report

APPLICANT : Motorola Mobility LLC
EQUIPMENT : Mobile Cellular Phone
BRAND NAME : Motorola
MODEL NAME : XT2301-1
FCC ID : IHDT56AH1
STANDARD : 47 CFR Part 2, 27(F), 27(H), 27(M), 27(N)
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S) : Oct. 25, 2022 ~ Dec. 02, 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



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People's Republic of China



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SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	-	Report Only	-
	§27.50(b)(10) §27.50(c)(10)	Effective Radiated Power (Band 12) (Band 13) (Band 17) (Band 71)	ERP < 3 Watt	PASS	-
	§27.50(h)(2)	Equivalent Isotropic Radiated Power (Band 7) (Band 38) (Band 41)	EIRP < 2Watt		
3.5	N/A	Peak-to-Average Ratio	<13 dB	PASS	-
3.6	§2.1049	Occupied Bandwidth	-	Report Only	-
3.7	§2.1051 §27.53(c)(2)(4) §27.53(g)	Conducted Band Edge Measurement (Band 12) (Band 13) (Band 17) (Band 71)	< 43+10log ₁₀ (P[Watts])	PASS	-
	§27.53(m)(4)	Conducted Band Edge Measurement (Band 7) (Band 38) (Band 41)	§27.53(m)(4)		
3.8	§2.1051 §27.53(c)(2) §27.53(g)	Conducted Spurious Emission (Band 12) (Band 13) (Band 17) (Band 71)	< 43+10log ₁₀ (P[Watts])	PASS	-
	§2.1051 §27.53(m)(4)	Conducted Spurious Emission (Band 7) (Band 38) (Band 41)	< 55+10log ₁₀ (P[Watts])		
3.9	§2.1055 §27.54	Frequency Stability Temperature & Voltage	Within Authorized Band	PASS	-
4.4	§2.1053 §27.53(c)(2) §27.53(f) §27.53(g)	Radiated Spurious Emission (Band 12) (Band 13) (Band 17) (Band 71)	< 43+10log ₁₀ (P[Watts])	PASS	Under limit 16.50 dB at 7752.000 MHz
	§2.1053 §27.53(m)(4)	Radiated Spurious Emission (Band 7) (Band 38) (Band 41)	< 55+10log ₁₀ (P[Watts])		

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

Motorola Mobility LLC
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

1.2 Manufacturer

Motorola Mobility LLC
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Cellular Phone
Brand Name	Motorola
Model Name	XT2301-1
FCC ID	IHDT56AH1
IMEI Code	Conducted: 350007550014030/350007550014048 Radiation: 350007550014055/350007550014063
HW Version	DVT2
SW Version	TTR33.124
EUT Stage	Identical Prototype

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	LTE Band 7 : 2500 MHz ~ 2570 MHz LTE Band 12 : 699 MHz ~ 716 MHz LTE Band 13 : 777 MHz ~ 787 MHz LTE Band 17 : 704 MHz ~ 716 MHz LTE Band 38 : 2570 MHz ~ 2620 MHz LTE Band 41 : 2496 MHz ~ 2690 MHz LTE Band 71: 663 MHz ~ 698 MHz
Rx Frequency	LTE Band 7 : 2620 MHz ~ 2690 MHz LTE Band 12 : 729 MHz ~ 746 MHz LTE Band 13 : 746 MHz ~ 756 MHz LTE Band 17 : 734 MHz ~ 746 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 41 : 2496 MHz ~ 2690 MHz LTE Band 71: 617 MHz ~ 652 MHz
Bandwidth	LTE Band 7 : 5MHz/ 10MHz / 15MHz / 20MHz LTE Band 12 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 13 : 5MHz / 10MHz LTE Band 17 : 5MHz / 10MHz LTE Band 38 : 5MHz / 10MHz / 15MHz / 20MHz LTE Band 41 : 5MHz / 10MHz / 15MHz / 20MHz



	LTE Band 71 : 5MHz / 10MHz / 15MHz / 20MHz
CA	CA_41C
Maximum Output Power to Antenna	<p><Ant. 0> LTE Band 12 : 23.25 dBm LTE Band 13 : 22.57 dBm LTE Band 17 : 23.21 dBm LTE Band 71 : 23.25 dBm</p> <p><Ant. 1> LTE Band 7 : 22.09 dBm LTE Band 7C : 22.06 dBm LTE Band 12 : 23.01 dBm LTE Band 13 : 22.43 dBm LTE Band 17 : 23.00 dBm LTE Band 71 : 23.00 dBm LTE Band 38 : 21.75 dBm; LTE Band 41 : 23.26 dBm; LTE Band 41C : 21.85 dBm</p> <p><Ant. 2> LTE Band 7 : 23.35 dBm LTE Band 7C : 23.34 dBm LTE Band 38 : 22.97 dBm; LTE Band 41 : 24.61 dBm; LTE Band 41C : 23.00 dBm</p>
Antenna Gain	<p><Ant. 0> LTE Band 12 : -4.50 dBi LTE Band 13 : -4.70 dBi LTE Band 17 : -4.50 dB LTE Band 71 : -4.80 dBi</p> <p><Ant.1> LTE Band 7 : -2.08 dBi LTE Band 12 : -6.34 dBi LTE Band 13 : -6.09 dBi LTE Band 17 : -6.34 dB LTE Band 71 : -7.15 dBi LTE Band 38 : -2.08 dBi LTE Band 41 : -2.08 dBi</p> <p><Ant.2> LTE Band 7 : -1.50 dBi LTE Band 38 : -1.50 dBi LTE Band 41 : -1.20 dBi</p>
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM

Note:

1. The maximum ERP/EIRP is calculated from maximum Output power and antenna gain, only the maximum ERP/EIRP of Ant.0 are shown in the report for LTE Band 12/13/17/71, and Ant.2 for LTE Band 7/7C/38/41/41C.
2. LTE Band 41 support HPUE mode.

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 7		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5	2502.5 ~ 2567.5	0.1514	4M52G7D	0.1524	4M52W7D
10	2505.0 ~ 2565.0	0.1496	9M11G7D	0.1524	9M09W7D
15	2507.5 ~ 2562.5	0.1479	13M5G7D	0.1524	13M6W7D
20	2510.0 ~ 2560.0	0.1531	17M9G7D	0.1510	17M9W7D
LTE Band 12		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	699.7 ~ 715.3	0.0451	1M10G7D	0.0452	1M11W7D
3	700.5 ~ 714.5	0.0453	2M76G7D	0.0453	2M74W7D
5	701.5 ~ 713.5	0.0455	4M54G7D	0.0446	4M53W7D
10	704.0 ~ 711.0	0.0457	9M07G7D	0.0448	9M07W7D
LTE Band 13		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
5	779.5 ~ 784.5	0.0372	4M50G7D	0.0372	4M53W7D
10	782.0	0.0373	9M07G7D	0.0371	9M03W7D
LTE Band 17		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
5	706.5 ~ 713.5	0.0446	4M54G7D	0.0444	4M53W7D
10	709.0 ~ 711.0	0.0453	9M07G7D	0.0448	9M07W7D
LTE Band 38		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5	2572.5 ~ 2617.5	0.1393	4M51G7D	0.1384	4M52W7D
10	2575.0 ~ 2615.0	0.1387	9M07G7D	0.1387	9M13W7D
15	2577.5 ~ 2612.5	0.1387	13M5G7D	0.1365	13M5W7D
20	2580.0 ~ 2610.0	0.1403	17M9G7D	0.1396	18M0W7D



LTE Band 41		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5	2498.5 ~ 2687.5	0.2178	4M51G7D	0.2183	4M52W7D
10	2501.0 ~ 2685.0	0.2123	9M07G7D	0.2168	9M13W7D
15	2503.5 ~ 2682.5	0.2188	13M5G7D	0.2173	13M5W7D
20	2506.0 ~ 2680.0	0.2193	17M9G7D	0.2188	18M0W7D
LTE Band 71		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
5	665.5 ~ 695.5	0.0425	4M55G7D	0.0424	4M51W7D
10	668.0 ~ 693.0	0.0426	8M99G7D	0.0423	9M07W7D
15	670.5 ~ 690.5	0.0423	13M5G7D	0.0413	13M5W7D
20	673.0 ~ 688.0	0.0437	17M9G7D	0.0423	17M9W7D
LTE Band 7 CA		QPSK		16QAM/64QAM/256QAM	
BW (MHz)		Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
10MHz+20MHz		0.1318	28M3G7D	0.1396	28M2W7D
15MHz+15MHz		0.1285	28M8G7D	0.1459	28M8W7D
15MHz+20MHz		0.1288	32M9G7D	0.1442	32M9W7D
15MHz+10MHz		0.1239	23M5G7D	0.1469	23M6W7D
20MHz+10MHz		0.1343	28M2G7D	0.1426	28M2W7D
20MHz+15MHz		0.1324	32M9G7D	0.1496	32M9W7D
20MHz+20MHz		0.1528	38M0G7D	0.1521	37M9W7D
LTE Band 41 CA		QPSK		16QAM/64QAM/256QAM	
BW (MHz)		Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5MHz+20MHz		0.1476	23M3G7D	0.1510	23M6W7D
20MHz+5MHz		0.1489	23M4G7D	0.1496	23M4W7D
10MHz+15MHz		0.1455	23M7G7D	0.1439	23M7W7D
15MHz+10MHz		0.1486	23M5G7D	0.1496	23M6W7D
10MHz+20MHz		0.1507	28M1G7D	0.1500	28M2W7D
20MHz+10MHz		0.1455	28M1G7D	0.1507	28M3W7D
15MHz+15MHz		0.1476	28M7G7D	0.1469	28M8W7D
15MHz+20MHz		0.1489	32M8G7D	0.1500	32M9W7D
20MHz+15MHz		0.1503	32M9G7D	0.1503	32M9W7D
20MHz+20MHz		0.1514	37M8G7D	0.1503	38M0W7D



Note:

1. All modulations have been tested, and only the worst test results of PSK & QAM are shown in the report.
2. LTE Band 12 overlaps the entire frequency range of LTE Band 17. Therefore, the test results provided in this report covers Band 12 as well as Band 17.
3. LTE Band 41 overlaps the entire frequency range of LTE Band 38. Therefore, the test results provided in this report covers Band 41 as well as Band 38.

1.7 Testing Location

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

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

Test Firm	Sporton International Inc. (ShenZhen)		
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City Guangdong Province China 518103 TEL: +86-755-33202398		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	03CH03-SZ	CN1256	421272

1.8 Test Software

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



1.9 Applicable Standards

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

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

Remark:

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

1.10 Specification of Accessory

Specification of Accessory				
AC Adapter 1(US)	Brand Name	Motorola (Chenyang)	Model Name	MC-681N
AC Adapter 2(US)	Brand Name	Motorola (Acbel)	Model Name	MC-681N
Battery 1	Brand Name	Motorola(SCUD)	Model Name	PC51
Earphone 1	Brand Name	Motorola (Lyand)	Model Name	MI181C(SH38D62338)
USB Cable 1	Brand Name	Motorola(Saibao)	Model Name	SC18D24968
C to HDMI HDMI/USBC Cable 1	Brand Name	Motorola(Linxee)	Model Name	SC18D02146
C to HDMI HDMI/USBC Cable 2	Brand Name	Motorola(Linxee)	Model Name	SC18D38847



2 Test Configuration of Equipment Under Test

2.1 Test Mode

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

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

Test Items	Band	Bandwidth (MHz)						Modulation				RB #			Test Channel			
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H	
Max. Output Power	7	-	-	v	v	v	v	v	v	v	v	v	v		v	v	v	v
	12	v	v	v	v	-	-	v	v	v	v	v	v		v	v	v	v
	13	-	-	v	v	-	-	v	v	v	v	v	v		v	v	v	v
	17	-	-	v	v	-	-	v	v	v	v	v	v		v	v	v	v
	38	-	-	v	v	v	v	v	v	v	v	v	v		v	v	v	v
	41	-	-	v	v	v	v	v	v	v	v	v	v		v	v	v	v
	71	-	-	v	v	v	v	v	v	v	v	v	v		v	v	v	v
Peak-to-Average Ratio	7	-	-				v	v	v	v					v	v	v	v
	12				v	-	-	v	v	v					v	v	v	v
	13	-	-		v	-	-	v	v	v					v	v	v	v
	41	-	-				v	v	v	v					v	v	v	v
	71	-	-				v	v	v	v					v	v	v	v
26dB and 99% Bandwidth	7	-	-	v	v	v	v	v	v	v					v	v	v	v
	12	v	v	v	v	-	-	v	v	v					v	v	v	v
	13	-	-	v	v	-	-	v	v	v					v	v	v	v
	41	-	-	v	v	v	v	v	v	v					v	v	v	v
	71	-	-	v	v	v	v	v	v	v					v	v	v	v
Conducted Band Edge	7	-	-	v	v	v	v	v	v	v		v			v	v		v
	12	v	v	v	v	-	-	v	v	v		v			v	v		v
	13	-	-	v	v	-	-	v	v	v		v			v	v		v
	41	-	-	v	v	v	v	v	v	v		v			v	v		v
	71	-	-	v	v	v	v	v	v	v		v			v	v		v

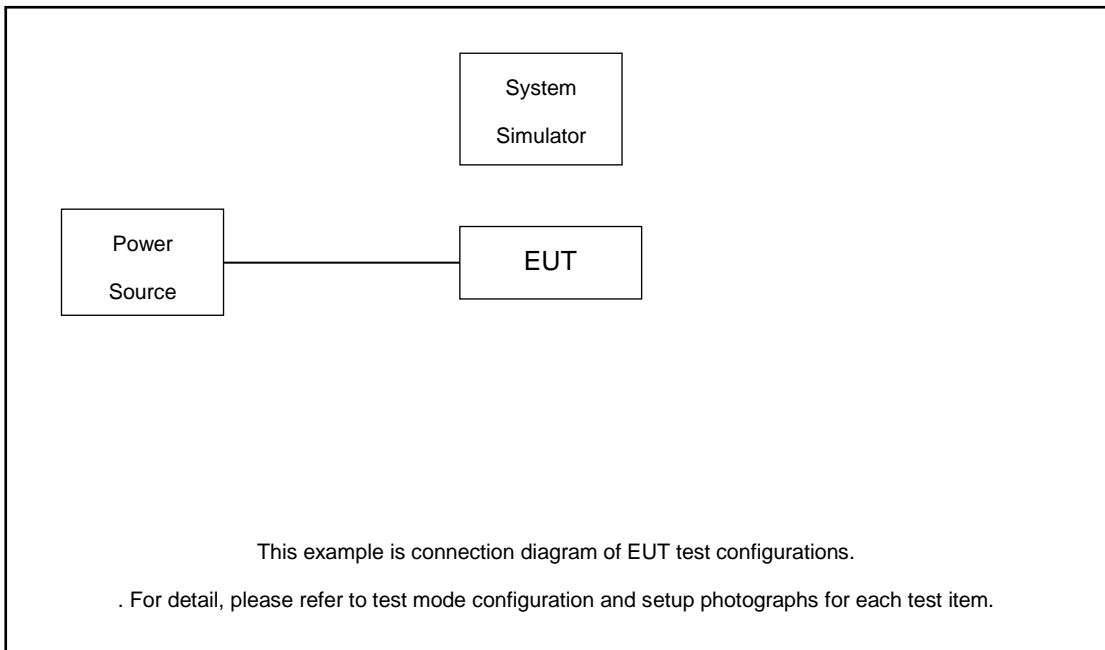


Test Items	Band	Bandwidth (MHz)						Modulation				RB #			Test Channel			
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H	
Conducted Spurious Emission	7	-	-	v	v	v	v	v	v	v		v			v	v	v	
	12	v	v	v	v	-	-	v	v	v		v			v	v	v	
	13	-	-	v	v	-	-	v	v	v		v			v	v	v	
	41	-	-	v	v	v	v	v	v	v		v			v	v	v	
	71	-	-	v	v	v	v	v	v	v		v			v	v	v	
Frequency Stability	7	-	-		v			v						v		v		
	12				v	-	-	v						v		v		
	13	-	-		v	-	-	v						v		v		
	41	-	-		v			v						v		v		
	71	-	-		v			v						v		v		
E.R.P / E.I.R.P	7	-	-	v	v	v	v	v	v	v	v	v		v	v	v	v	
	12	v	v	v	v	-	-	v	v	v	v	v		v	v	v	v	
	13	-	-	v	v	-	-	v	v	v	v	v		v	v	v	v	
	17	-	-	v	v	-	-	v	v	v	v	v		v	v	v	v	
	38	-	-	v	v	v	v	v	v	v	v	v		v	v	v	v	
	41	-	-	v	v	v	v	v	v	v	v	v		v	v	v	v	
	71	-	-	v	v	v	v	v	v	v	v	v		v	v	v	v	
Radiated Spurious Emission	7	Worst Case															v	
	12	Worst Case															v	
	13	Worst Case															v	
	41	Worst Case															v	
	71	Worst Case															v	
Note	<ol style="list-style-type: none"> The mark "v" means that this configuration is chosen for testing The mark "-" means that this bandwidth is not supported. 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. LTE Band 12 overlaps the entire frequency range of LTE Band 17. Therefore, the test results provided in this report covers Band 12 as well as Band 17. 																	



Test Items	Band	Bandwidth (MHz)										Modulation			RB #			Test Channel			
		20+20	20+15	15+20	20+10	10+20	20+5	5+20	15+15	15+10	10+15	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H
Max. Output Power	7C_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	v	v		v	v	v	v
	41C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v		v	v	v	v
26dB and 99% Bandwidth	7C_CA	v	v	v	v	v	-	-	v	v	-	v	v	v				v	v	v	v
	41C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v				v	v	v	v
Conducted Band Edge	7C_CA	v	v	v	v	v	-	-	v	v	-	v	v	v		v		v	v		v
	41C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v		v		v	v		v
Conducted Spurious Emission	7C_CA	v	v	v	v	v	-	-	v	v	-	v	v	v		v			v	v	v
	41C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v		v			v	v	v
E.I.R.P.	7C_CA	v	v	v	v	v	-	-	v	v	-	v	v	v	v	v		v	v	v	v
	41C_CA	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v		v	v	v	v
Radiated Spurious Emission	7C_CA	Worst Case																		v	
	41C_CA	Worst Case																		v	
Note	1. The mark "v" means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.																				

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	MT8820/8821	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 5.0 dB and 10dB attenuator.

Example :

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)}. \\ &= 5.0 + 10 = 15.0 \text{ (dB)} \end{aligned}$$



2.5 Frequency List of Low/Middle/High Channels

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

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

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

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



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

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

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



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



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



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

3 Conducted Test Items

3.1 Measuring Instruments

See list of measuring instruments of this test report.

3.2 Test Setup

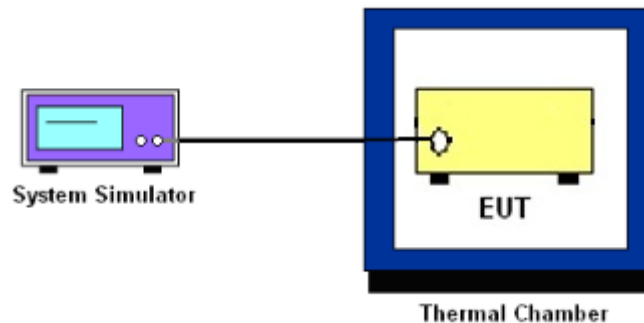
3.2.1 Conducted Output Power



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



3.2.3 Frequency Stability



3.3 Test Result of Conducted Test

Please refer to Appendix A.



3.4 Conducted Output Power and ERP/EIRP

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

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

The ERP of mobile transmitters must not exceed 3 Watts for LTE Band 12, Band 13 and Band 17 and Band 71.

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

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

27.53 (c)

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

27.53 (g)

For operations in the 600MHz band and 698 -746 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power P(Watts) in a 100 kHz bandwidth. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

27.53(m)(4)

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



3.7.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The band edges of low and high channels for the highest RF powers were measured.
4. Set RBW \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 + 10log(P)] (dB)
= [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB) = -13dBm.

9. For LTE Band 7, 38, 41, the other 40 dB, and 55 dB have additionally applied same calculation above.
10. 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.

For Band 7,38,41:

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

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

3.8.2 Test Procedures

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



3.9 Frequency Stability

3.9.1 Description of Frequency Stability Measurement

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

3.9.2 Test Procedures for Temperature Variation

1. The testing follows ANSI C63.26 section 5.6.4
2. The EUT was set up in the thermal chamber and connected with the system simulator.
3. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
4. With power OFF, the temperature was raised in 10°C step up to 50°C . The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

3.9.3 Test Procedures for Voltage Variation

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

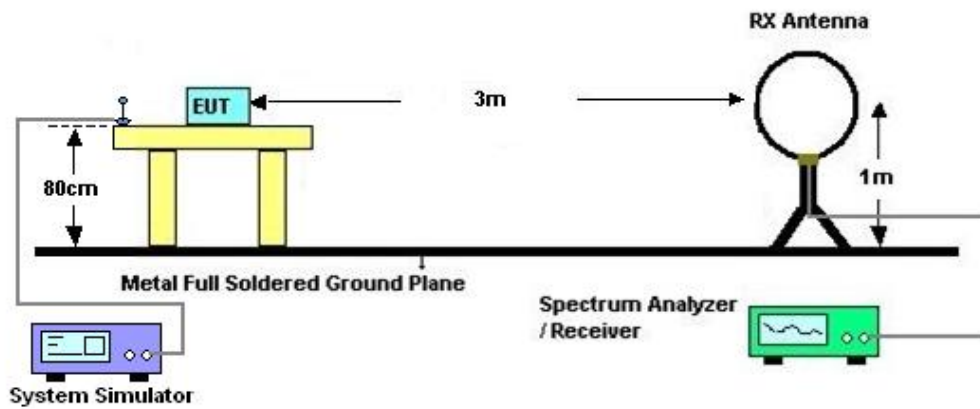
4 Radiated Test Items

4.1 Measuring Instruments

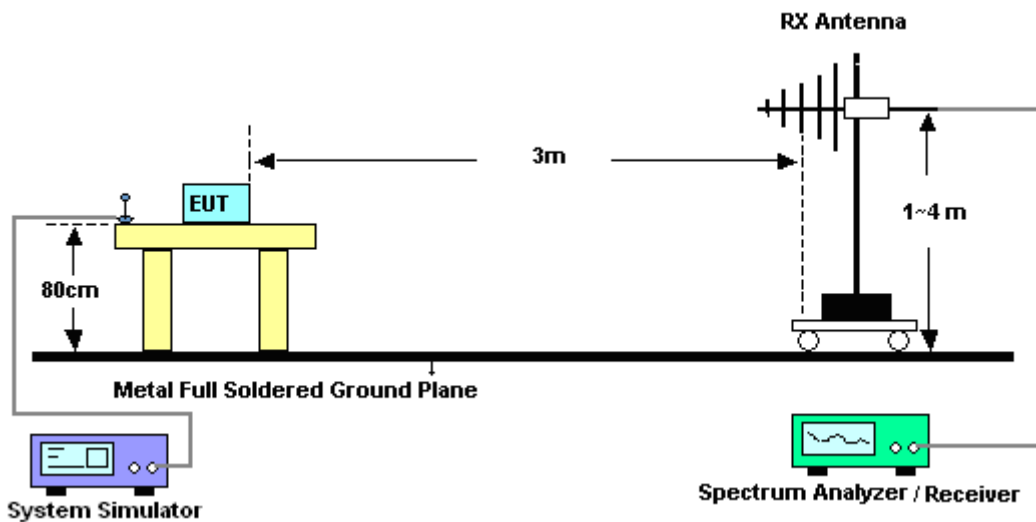
See list of measuring instruments of this test report.

4.2 Test Setup

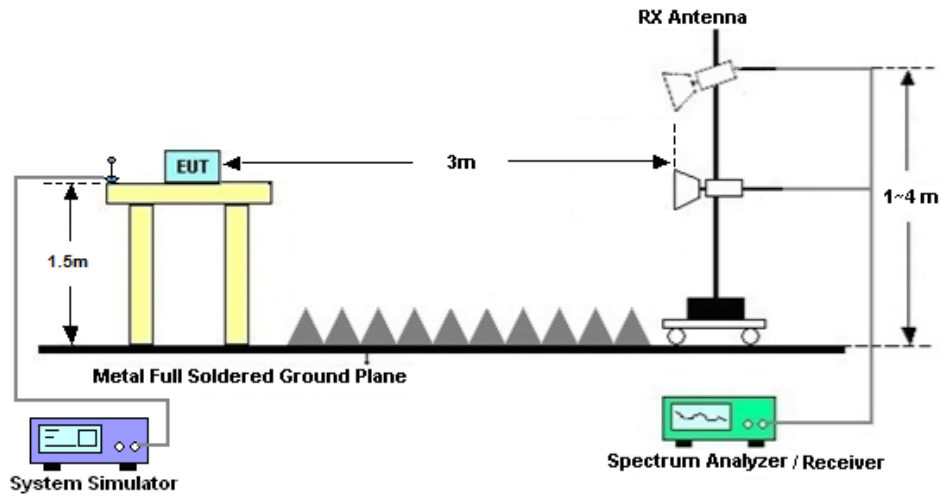
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

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

Please refer to Appendix B.



4.4 Radiated Spurious Emission

4.4.1 Description of Radiated Spurious Emission

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

For Band 7, 38, 41

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

For LTE Band 13

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

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

4.4.2 Test Procedures

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

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
= $P(W) - [43 + 10\log(P)]$ (dB)
= $[30 + 10\log(P)]$ (dBm) - $[43 + 10\log(P)]$ (dB)
= -13 dBm.

13. For Band 7, 38, 41:

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



5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 07, 2022	Oct. 25, 2022~ Dec. 02, 2022	Apr. 08, 2023	Conducted (TH01-SZ)
Power Divider	TOJOIN	PS-2SM-04 265	60.06.020.007 7	0.4GHz~26.5GHz	Dec. 25, 2021	Oct. 25, 2022~ Dec. 02, 2022	Dec. 24, 2022	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 07, 2022	Oct. 25, 2022~ Dec. 02, 2022	Jul. 06, 2023	Conducted (TH01-SZ)
EMI Test Receiver&SA	KEYSIGHT	N9038A	MY54450083	20Hz~8.4GHz	Apr. 06, 2022	Nov. 01, 2022	Apr. 05, 2023	Radiation (03CH03-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jun. 28, 2022	Nov. 01, 2022	Jun. 27, 2024	Radiation (03CH03-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150246	10Hz~44GHz;	Apr. 06, 2022	Nov. 01, 2022	Apr. 05, 2023	Radiation (03CH03-SZ)
Bilog Antenna	TeseQ	CBL6112D	35408	30MHz-2GHz	Aug. 09, 2021	Nov. 01, 2022	Aug. 08, 2023	Radiation (03CH03-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1355	1GHz~18GHz	Apr. 08, 2022	Nov. 01, 2022	Apr. 07, 2023	Radiation (03CH03-SZ)
Amplifier	Burgeon	BPA-530	102211	0.01Hz ~3000MHz	Oct. 19, 2022	Nov. 01, 2022	Oct. 18, 2023	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	TTA1840-35 -HG	1871923	18GHz~40GHz	Jul. 06, 2022	Nov. 01, 2022	Jul. 05, 2023	Radiation (03CH03-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 10, 2022	Nov. 01, 2022	Apr. 09, 2023	Radiation (03CH03-SZ)
Amplifier	Agilent Technologies	83017A	MY39501302	500MHz~26.5GHz	Dec. 27,2021	Nov. 01, 2022	Dec. 26,2022	Radiation (03CH03-SZ)
AC Power Source	Chroma	61601	616010002729	N/A	Nov. 10, 2022	Nov. 01, 2022	Nov. 09, 2023	Radiation (03CH03-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Nov. 01, 2022	NCR	Radiation (03CH03-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Nov. 01, 2022	NCR	Radiation (03CH03-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 Conducted Measurement

Test Item	Uncertainty
Conducted Power	±1.34 dB
Conducted Emissions	±1.34 dB
Occupied Channel Bandwidth	±1.2 %

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.0dB
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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))	3.60dB
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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))	4.80dB
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Appendix A. Test Results of Conducted Test

Test Engineer :	Lex Wu	Temperature :	22~23°C
		Relative Humidity :	40~42%

Conducted Output Power(Average power)

Band 7_Ant 2						
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				20850	21100	21350
Frequency (MHz)				2510	2535	2560
20	QPSK	1	0	23.12	23.04	22.95
20	QPSK	1	49	23.15	23.35	23.19
20	QPSK	1	99	22.99	23.17	23.14
20	QPSK	50	0	23.04	23.16	22.91
20	QPSK	50	24	23.12	23.34	23.16
20	QPSK	50	50	23.02	23.04	22.94
20	QPSK	100	0	22.92	23.32	22.95
20	16QAM	1	0	23.05	23.23	23.03
20	16QAM	1	49	22.86	23.06	22.93
20	16QAM	1	99	23.06	23.03	22.96
20	16QAM	50	0	23.25	23.19	23.25
20	16QAM	50	24	22.89	22.99	23.21
20	16QAM	50	50	23.08	23.27	22.97
20	16QAM	100	0	23.29	23.29	23.02
20	64QAM	1	0	22.98	23.11	23.00
20	64QAM	1	49	22.98	23.20	23.09
20	64QAM	1	99	22.93	23.05	22.96
20	64QAM	50	0	21.64	21.71	21.54
20	64QAM	50	24	21.67	21.61	21.60
20	64QAM	50	50	21.57	21.54	21.39
20	64QAM	100	0	21.37	21.38	21.67
20	256QAM	1	0	19.16	19.34	19.28
20	256QAM	1	49	19.33	19.47	19.38
20	256QAM	1	99	19.18	19.28	19.25
20	256QAM	50	0	19.13	19.25	19.13
20	256QAM	50	24	19.13	19.21	19.10
20	256QAM	50	50	19.04	19.16	19.11
20	256QAM	100	0	19.20	19.20	19.15
Channel				20825	21100	21375
Frequency (MHz)				2507.5	2535	2562.5



15	QPSK	1	0	23.15	22.95	22.86
15	QPSK	1	37	23.05	23.17	23.07
15	QPSK	1	74	22.77	23.11	23.15
15	QPSK	36	0	22.79	23.20	22.89
15	QPSK	36	20	23.14	23.10	22.98
15	QPSK	36	39	22.86	23.03	22.90
15	QPSK	75	0	22.99	23.20	22.81
15	16QAM	1	0	22.96	23.03	23.04
15	16QAM	1	37	22.68	22.95	22.81
15	16QAM	1	74	23.14	22.79	22.90
15	16QAM	36	0	23.04	23.18	23.07
15	16QAM	36	20	22.73	22.83	23.21
15	16QAM	36	39	22.88	23.01	22.82
15	16QAM	75	0	23.11	23.33	22.85
15	64QAM	1	0	22.96	22.83	22.99
15	64QAM	1	37	22.76	23.20	23.13
15	64QAM	1	74	22.87	22.96	22.87
15	64QAM	36	0	21.52	21.40	21.79
15	64QAM	36	20	21.64	21.86	21.76
15	64QAM	36	39	21.43	21.82	21.48
15	64QAM	75	0	21.63	21.40	21.67
15	256QAM	1	0	19.22	19.21	19.10
15	256QAM	1	37	19.28	19.45	19.42
15	256QAM	1	74	19.12	19.22	19.14
15	256QAM	36	0	19.07	19.13	19.12
15	256QAM	36	20	19.11	19.16	19.05
15	256QAM	36	39	19.04	19.12	19.01
15	256QAM	75	0	19.05	19.07	19.04
Channel				20800	21100	21400
Frequency (MHz)				2505	2535	2565
10	QPSK	1	0	23.10	22.91	22.84
10	QPSK	1	25	23.15	23.25	23.05
10	QPSK	1	49	23.07	23.02	23.15
10	QPSK	25	0	22.83	23.01	22.91
10	QPSK	25	12	22.98	23.09	23.06
10	QPSK	25	25	23.02	22.76	22.68
10	QPSK	50	0	22.92	23.08	22.73
10	16QAM	1	0	22.94	23.19	22.85
10	16QAM	1	25	22.82	22.83	23.00
10	16QAM	1	49	22.84	23.03	22.84
10	16QAM	25	0	23.24	23.06	23.10
10	16QAM	25	12	22.88	23.02	23.21
10	16QAM	25	25	23.12	23.33	22.88
10	16QAM	50	0	23.30	23.19	23.03
10	64QAM	1	0	22.97	23.07	23.03



10	64QAM	1	25	22.98	23.00	23.04
10	64QAM	1	49	22.66	22.78	22.95
10	64QAM	25	0	21.78	21.73	21.53
10	64QAM	25	12	21.53	21.80	21.44
10	64QAM	25	25	21.41	21.67	21.40
10	64QAM	50	0	21.41	21.42	21.46
10	256QAM	1	0	19.15	19.23	19.32
10	256QAM	1	25	19.25	19.40	19.30
10	256QAM	1	49	19.13	19.21	19.17
10	256QAM	25	0	19.01	19.18	19.04
10	256QAM	25	12	19.13	19.09	19.11
10	256QAM	25	25	19.15	19.12	19.11
10	256QAM	50	0	19.17	19.20	19.13
Channel				20775	21100	21425
Frequency (MHz)				2502.5	2535	2567.5
5	QPSK	1	0	23.16	22.94	22.87
5	QPSK	1	12	23.06	23.30	23.05
5	QPSK	1	24	23.01	23.25	22.98
5	QPSK	12	0	22.95	22.97	22.76
5	QPSK	12	7	23.10	23.21	23.07
5	QPSK	12	13	23.08	22.89	22.96
5	QPSK	25	0	22.95	23.16	22.78
5	16QAM	1	0	22.95	23.07	22.78
5	16QAM	1	12	22.79	22.90	22.77
5	16QAM	1	24	22.78	22.91	22.74
5	16QAM	12	0	23.11	23.12	23.29
5	16QAM	12	7	22.71	22.81	23.29
5	16QAM	12	13	23.07	23.05	22.98
5	16QAM	25	0	23.12	23.33	22.96
5	64QAM	1	0	22.85	23.19	23.01
5	64QAM	1	12	23.04	23.16	23.02
5	64QAM	1	24	23.00	22.94	22.96
5	64QAM	12	0	21.58	21.38	21.71
5	64QAM	12	7	21.44	21.70	21.59
5	64QAM	12	13	21.49	21.51	21.47
5	64QAM	25	0	21.62	21.38	21.49
5	256QAM	1	0	19.09	19.14	19.33
5	256QAM	1	12	19.19	19.36	19.35
5	256QAM	1	24	19.18	19.15	19.18
5	256QAM	12	0	19.12	19.12	19.05
5	256QAM	12	7	19.09	19.12	19.08
5	256QAM	12	13	19.15	19.12	19.05
5	256QAM	25	0	19.07	19.10	19.10



Band 12_Ant 0						
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				23060	23095	23130
Frequency (MHz)				704	707.5	711
10	QPSK	1	0	22.94	23.04	23.10
10	QPSK	1	25	23.12	23.25	23.20
10	QPSK	1	49	22.98	23.18	23.16
10	QPSK	25	0	23.00	22.98	22.80
10	QPSK	25	12	23.10	23.24	23.14
10	QPSK	25	25	22.95	23.09	23.09
10	QPSK	50	0	23.00	23.21	23.09
10	16QAM	1	0	23.12	23.13	23.13
10	16QAM	1	25	22.87	23.14	23.00
10	16QAM	1	49	22.91	23.04	22.85
10	16QAM	25	0	23.02	23.16	23.12
10	16QAM	25	12	22.74	23.01	23.15
10	16QAM	25	25	22.86	22.90	23.12
10	16QAM	50	0	23.02	23.08	23.08
10	64QAM	1	0	22.99	22.86	23.08
10	64QAM	1	25	23.15	23.20	23.19
10	64QAM	1	49	23.01	23.24	23.08
10	64QAM	25	0	21.64	21.68	21.57
10	64QAM	25	12	21.51	21.52	21.78
10	64QAM	25	25	21.46	21.58	21.58
10	64QAM	50	0	21.55	21.62	21.76
10	256QAM	1	0	19.97	19.88	20.13
10	256QAM	1	25	20.08	20.24	20.15
10	256QAM	1	49	19.96	20.10	19.97
10	256QAM	25	0	19.58	19.60	19.57
10	256QAM	25	12	20.01	20.04	20.00
10	256QAM	25	25	20.06	20.07	19.96
10	256QAM	50	0	19.93	19.95	19.88
Channel				23035	23095	23155
Frequency (MHz)				701.5	707.5	713.5
5	QPSK	1	0	23.01	23.05	23.04
5	QPSK	1	12	23.06	23.20	23.03
5	QPSK	1	24	22.94	23.23	22.89
5	QPSK	12	0	22.86	22.99	22.79
5	QPSK	12	7	22.95	23.04	23.03
5	QPSK	12	13	23.02	22.84	23.02
5	QPSK	25	0	23.03	23.20	23.14
5	16QAM	1	0	22.99	22.91	23.08
5	16QAM	1	12	22.92	22.89	22.74
5	16QAM	1	24	22.91	23.06	22.83



5	16QAM	12	0	22.93	23.14	22.90
5	16QAM	12	7	22.52	22.75	23.04
5	16QAM	12	13	22.91	22.85	23.17
5	16QAM	25	0	22.98	22.94	22.84
5	64QAM	1	0	22.72	22.66	23.05
5	64QAM	1	12	23.09	23.09	23.02
5	64QAM	1	24	22.84	23.04	22.97
5	64QAM	12	0	21.53	21.74	21.57
5	64QAM	12	7	21.32	21.32	21.79
5	64QAM	12	13	21.38	21.39	21.52
5	64QAM	25	0	21.46	21.52	21.69
5	256QAM	1	0	19.88	19.70	19.85
5	256QAM	1	12	20.06	20.14	20.12
5	256QAM	1	24	19.85	20.05	19.96
5	256QAM	12	0	19.51	19.57	19.51
5	256QAM	12	7	20.01	19.95	19.94
5	256QAM	12	13	20.05	19.98	19.90
5	256QAM	25	0	19.90	19.95	19.87
Channel				23025	23095	23165
Frequency (MHz)				700.5	707.5	714.5
3	QPSK	1	0	22.84	22.87	22.90
3	QPSK	1	8	23.17	23.21	23.18
3	QPSK	1	14	22.87	23.12	22.89
3	QPSK	8	0	23.02	23.02	22.73
3	QPSK	8	4	22.91	23.09	22.95
3	QPSK	8	7	22.79	22.83	23.02
3	QPSK	15	0	22.96	23.11	23.06
3	16QAM	1	0	22.91	23.20	23.14
3	16QAM	1	8	22.65	23.21	22.93
3	16QAM	1	14	22.94	22.94	22.59
3	16QAM	8	0	22.79	23.01	22.85
3	16QAM	8	4	22.52	23.02	22.92
3	16QAM	8	7	22.89	22.95	22.94
3	16QAM	15	0	22.97	23.03	22.97
3	64QAM	1	0	22.76	22.86	23.02
3	64QAM	1	8	22.94	23.11	23.15
3	64QAM	1	14	22.93	22.96	22.91
3	64QAM	8	0	21.61	21.56	21.53
3	64QAM	8	4	21.37	21.59	21.55
3	64QAM	8	7	21.39	21.51	21.58
3	64QAM	15	0	21.43	21.50	21.53
3	256QAM	1	0	19.85	19.63	19.91
3	256QAM	1	8	19.92	20.12	20.10
3	256QAM	1	14	19.88	19.99	19.84
3	256QAM	8	0	19.58	19.53	19.55



3	256QAM	8	4	19.94	20.03	19.94
3	256QAM	8	7	20.00	19.97	19.93
3	256QAM	15	0	19.84	19.95	19.86
Channel				23017	23095	23173
Frequency (MHz)				699.7	707.5	715.3
1.4	QPSK	1	0	22.72	23.06	23.14
1.4	QPSK	1	3	23.12	22.99	23.19
1.4	QPSK	1	5	22.89	23.13	23.08
1.4	QPSK	3	0	22.88	22.95	22.86
1.4	QPSK	3	1	23.04	23.07	23.12
1.4	QPSK	3	3	22.85	23.16	22.84
1.4	QPSK	6	0	22.87	23.10	23.09
1.4	16QAM	1	0	22.86	23.20	22.98
1.4	16QAM	1	3	22.88	23.01	22.73
1.4	16QAM	1	5	22.71	22.86	22.85
1.4	16QAM	3	0	22.89	22.92	22.97
1.4	16QAM	3	1	22.75	23.02	23.09
1.4	16QAM	3	3	22.83	22.75	22.84
1.4	16QAM	6	0	22.89	22.86	22.92
1.4	64QAM	1	0	22.91	22.64	23.07
1.4	64QAM	1	3	22.95	23.10	23.08
1.4	64QAM	1	5	22.92	23.07	22.96
1.4	64QAM	3	0	22.88	23.01	22.63
1.4	64QAM	3	1	22.77	22.55	22.85
1.4	64QAM	3	3	22.51	22.96	22.96
1.4	64QAM	6	0	21.29	21.45	21.72
1.4	256QAM	1	0	19.87	19.84	19.87
1.4	256QAM	1	3	20.01	20.12	20.13
1.4	256QAM	1	5	19.96	20.10	19.87
1.4	256QAM	3	0	19.57	19.55	19.53
1.4	256QAM	3	1	19.95	19.93	19.98
1.4	256QAM	3	3	19.95	19.94	19.86
1.4	256QAM	6	0	19.87	19.88	19.88



Band 13_Ant 0						
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				23230		
Frequency (MHz)				782		
10	QPSK	1	0		22.34	
10	QPSK	1	25		22.57	
10	QPSK	1	49		22.46	
10	QPSK	25	0		22.32	
10	QPSK	25	12		22.55	
10	QPSK	25	25		22.41	
10	QPSK	50	0		22.54	
10	16QAM	1	0		22.39	
10	16QAM	1	25		22.29	
10	16QAM	1	49		22.38	
10	16QAM	25	0		22.48	
10	16QAM	25	12		22.54	
10	16QAM	25	25		22.21	
10	16QAM	50	0		22.30	
10	64QAM	1	0		22.19	
10	64QAM	1	25		22.32	
10	64QAM	1	49		22.39	
10	64QAM	25	0		21.75	
10	64QAM	25	12		21.57	
10	64QAM	25	25		21.89	
10	64QAM	50	0		21.78	
10	256QAM	1	0		19.53	
10	256QAM	1	25		19.85	
10	256QAM	1	49		19.88	
10	256QAM	25	0		19.68	
10	256QAM	25	12		19.56	
10	256QAM	25	25		19.67	
10	256QAM	50	0		19.77	
Channel				23205	23230	23255
Frequency (MHz)				779.5	782	784.5
5	QPSK	1	0	22.09	22.28	22.13
5	QPSK	1	12	22.31	22.55	22.54
5	QPSK	1	24	22.44	22.23	22.45
5	QPSK	12	0	22.15	22.13	22.26
5	QPSK	12	7	22.47	22.42	22.35
5	QPSK	12	13	22.22	22.48	22.17
5	QPSK	25	0	22.34	22.55	22.48
5	16QAM	1	0	22.41	22.39	22.20
5	16QAM	1	12	22.21	22.02	22.06
5	16QAM	1	24	22.15	22.12	22.13



5	16QAM	12	0	22.53	22.47	22.38
5	16QAM	12	7	22.33	22.46	22.55
5	16QAM	12	13	22.21	22.06	22.05
5	16QAM	25	0	22.18	22.17	22.37
5	64QAM	1	0	22.01	22.03	22.24
5	64QAM	1	12	22.03	22.20	22.06
5	64QAM	1	24	22.14	22.42	22.46
5	64QAM	12	0	21.67	21.73	21.54
5	64QAM	12	7	21.39	21.48	21.46
5	64QAM	12	13	21.89	21.80	21.75
5	64QAM	25	0	21.84	21.52	21.59
5	256QAM	1	0	19.37	19.48	19.49
5	256QAM	1	12	19.54	19.68	19.56
5	256QAM	1	24	19.68	19.79	19.75
5	256QAM	12	0	19.56	19.63	19.56
5	256QAM	12	7	19.48	19.51	19.48
5	256QAM	12	13	19.63	19.65	19.55
5	256QAM	25	0	19.65	19.70	19.63



Band 17_Ant 0						
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				23780	23790	23800
Frequency (MHz)				709	710	711
10	QPSK	1	0	22.83	22.94	22.86
10	QPSK	1	25	23.09	23.21	23.03
10	QPSK	1	49	22.93	23.09	22.97
10	QPSK	25	0	22.79	22.80	22.89
10	QPSK	25	12	23.07	23.19	23.01
10	QPSK	25	25	22.87	22.88	22.96
10	QPSK	50	0	23.05	23.16	22.93
10	16QAM	1	0	23.06	22.99	23.01
10	16QAM	1	25	22.97	23.15	22.97
10	16QAM	1	49	22.85	22.90	22.90
10	16QAM	25	0	23.12	23.16	22.90
10	16QAM	25	12	23.00	23.14	22.72
10	16QAM	25	25	22.69	22.96	22.88
10	16QAM	50	0	22.93	23.15	22.98
10	64QAM	1	0	22.80	22.82	22.65
10	64QAM	1	25	22.84	23.02	23.00
10	64QAM	1	49	22.67	22.94	22.71
10	64QAM	25	0	21.46	21.53	21.44
10	64QAM	25	12	21.59	21.60	21.44
10	64QAM	25	25	21.56	21.74	21.55
10	64QAM	50	0	21.35	21.57	21.40
10	256QAM	1	0	20.07	19.89	20.06
10	256QAM	1	25	20.04	20.19	20.19
10	256QAM	1	49	20.06	20.09	19.96
10	256QAM	25	0	19.96	20.00	20.00
10	256QAM	25	12	19.94	19.97	19.85
10	256QAM	25	25	20.05	20.06	19.95
10	256QAM	50	0	19.71	19.79	19.77
Channel				23755	23790	23825
Frequency (MHz)				706.5	710	713.5
5	QPSK	1	0	22.85	22.86	22.91
5	QPSK	1	12	23.14	23.14	22.85
5	QPSK	1	24	22.94	23.13	22.83
5	QPSK	12	0	22.79	22.53	22.93
5	QPSK	12	7	22.79	23.10	22.84
5	QPSK	12	13	22.79	22.64	23.04
5	QPSK	25	0	22.87	23.05	22.96
5	16QAM	1	0	22.96	23.00	23.05
5	16QAM	1	12	22.79	22.94	23.04
5	16QAM	1	24	22.78	22.98	22.88



5	16QAM	12	0	23.12	23.03	22.66
5	16QAM	12	7	23.05	23.03	22.64
5	16QAM	12	13	22.66	23.00	22.79
5	16QAM	25	0	22.87	22.89	23.01
5	64QAM	1	0	22.53	22.83	22.62
5	64QAM	1	12	22.86	22.82	22.95
5	64QAM	1	24	22.65	22.73	22.50
5	64QAM	12	0	21.19	21.49	21.25
5	64QAM	12	7	21.53	21.48	21.20
5	64QAM	12	13	21.59	21.56	21.40
5	64QAM	25	0	21.23	21.33	21.27
5	256QAM	1	0	19.81	19.88	20.06
5	256QAM	1	12	19.89	20.12	20.06
5	256QAM	1	24	20.04	20.09	19.90
5	256QAM	12	0	19.96	19.87	19.94
5	256QAM	12	7	19.90	19.92	19.83
5	256QAM	12	13	19.95	19.96	19.93
5	256QAM	25	0	19.71	19.78	19.71



Band 71_Ant 0						
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				133222	133297	133372
Frequency (MHz)				673	680.5	688
20	QPSK	1	0	23.21	23.12	23.16
20	QPSK	1	49	23.23	23.25	23.21
20	QPSK	1	99	23.02	23.20	23.20
20	QPSK	50	0	23.06	23.20	23.17
20	QPSK	50	24	23.21	23.25	23.20
20	QPSK	50	50	23.19	23.19	23.16
20	QPSK	100	0	23.18	23.22	23.16
20	16QAM	1	0	23.04	22.95	23.19
20	16QAM	1	49	23.21	22.99	23.17
20	16QAM	1	99	23.08	23.20	22.99
20	16QAM	50	0	22.10	22.32	22.28
20	16QAM	50	24	22.07	22.20	22.05
20	16QAM	50	50	22.25	22.09	22.09
20	16QAM	100	0	22.34	22.28	22.16
20	64QAM	1	0	22.13	22.28	22.42
20	64QAM	1	49	22.17	22.19	22.24
20	64QAM	1	99	22.24	22.17	22.20
20	64QAM	50	0	21.36	21.43	21.63
20	64QAM	50	24	21.50	21.44	21.51
20	64QAM	50	50	21.63	21.56	21.31
20	64QAM	100	0	21.64	21.45	21.51
20	256QAM	1	0	18.43	18.50	18.43
20	256QAM	1	49	18.44	18.47	18.35
20	256QAM	1	99	18.57	18.66	18.55
20	256QAM	50	0	18.40	18.46	18.40
20	256QAM	50	24	18.35	18.42	18.32
20	256QAM	50	50	18.42	18.48	18.38
20	256QAM	100	0	18.43	18.55	18.51
Channel				133197	133297	133397
Frequency (MHz)				670.5	680.5	690.5
15	QPSK	1	0	23.21	22.98	23.14
15	QPSK	1	37	23.02	23.06	23.11
15	QPSK	1	74	22.88	23.03	23.04
15	QPSK	36	0	22.87	23.16	22.98
15	QPSK	36	20	23.20	23.03	23.16
15	QPSK	36	39	23.07	22.99	22.93
15	QPSK	75	0	22.94	23.12	22.94
15	16QAM	1	0	22.80	23.00	23.11
15	16QAM	1	37	22.97	22.76	22.92
15	16QAM	1	74	22.82	23.06	23.05



15	16QAM	36	0	22.02	22.31	22.33
15	16QAM	36	20	21.93	22.12	21.87
15	16QAM	36	39	22.11	21.89	22.06
15	16QAM	75	0	22.15	22.30	22.04
15	64QAM	1	0	22.08	22.09	22.18
15	64QAM	1	37	22.00	21.93	22.10
15	64QAM	1	74	22.03	22.11	22.27
15	64QAM	36	0	21.12	21.42	21.42
15	64QAM	36	20	21.30	21.38	21.45
15	64QAM	36	39	21.70	21.59	21.31
15	64QAM	75	0	21.68	21.35	21.30
15	256QAM	1	0	18.43	18.33	18.50
15	256QAM	1	37	18.37	18.43	18.29
15	256QAM	1	74	18.31	18.62	18.55
15	256QAM	36	0	18.37	18.38	18.12
15	256QAM	36	20	18.23	18.18	18.21
15	256QAM	36	39	18.23	18.45	18.35
15	256QAM	75	0	18.17	18.43	18.34
Channel				133172	133297	133422
Frequency (MHz)				668	680.5	693
10	QPSK	1	0	23.21	23.09	23.24
10	QPSK	1	25	23.02	23.20	23.06
10	QPSK	1	49	23.10	23.08	23.08
10	QPSK	25	0	23.01	23.15	23.20
10	QPSK	25	12	23.20	23.23	23.11
10	QPSK	25	25	22.94	23.18	22.88
10	QPSK	50	0	22.91	22.95	23.03
10	16QAM	1	0	22.97	22.77	23.04
10	16QAM	1	25	23.09	22.73	23.21
10	16QAM	1	49	22.81	22.98	22.89
10	16QAM	25	0	22.05	22.06	22.36
10	16QAM	25	12	21.87	22.12	21.96
10	16QAM	25	25	22.33	21.90	21.90
10	16QAM	50	0	22.42	22.10	22.02
10	64QAM	1	0	22.00	22.36	22.21
10	64QAM	1	25	22.23	22.12	22.27
10	64QAM	1	49	22.02	21.96	22.09
10	64QAM	25	0	21.37	21.17	21.52
10	64QAM	25	12	21.43	21.34	21.29
10	64QAM	25	25	21.41	21.59	21.08
10	64QAM	50	0	21.60	21.19	21.47
10	256QAM	1	0	18.30	18.50	18.45
10	256QAM	1	25	18.37	18.21	18.10
10	256QAM	1	49	18.52	18.38	18.61
10	256QAM	25	0	18.37	18.39	18.15



10	256QAM	25	12	18.11	18.41	18.22
10	256QAM	25	25	18.35	18.42	18.40
10	256QAM	50	0	18.46	18.40	18.36
Channel				133147	133297	133447
Frequency (MHz)				665.5	680.5	695.5
5	QPSK	1	0	23.00	23.20	22.90
5	QPSK	1	12	23.18	23.06	22.96
5	QPSK	1	24	23.02	23.18	23.06
5	QPSK	12	0	23.09	23.21	23.23
5	QPSK	12	7	23.13	23.22	23.21
5	QPSK	12	13	23.05	23.07	23.19
5	QPSK	25	0	23.12	23.17	23.06
5	16QAM	1	0	23.07	22.90	23.22
5	16QAM	1	12	23.05	22.82	23.11
5	16QAM	1	24	23.15	23.10	22.78
5	16QAM	12	0	22.10	22.30	22.26
5	16QAM	12	7	21.99	22.17	21.96
5	16QAM	12	13	22.22	22.06	21.83
5	16QAM	25	0	22.27	22.17	21.94
5	64QAM	1	0	22.13	22.24	22.36
5	64QAM	1	12	22.03	22.25	22.26
5	64QAM	1	24	22.07	22.25	21.92
5	64QAM	12	0	21.25	21.40	21.46
5	64QAM	12	7	21.30	21.39	21.53
5	64QAM	12	13	21.36	21.40	21.35
5	64QAM	25	0	21.41	21.25	21.53
5	256QAM	1	0	18.36	18.36	18.31
5	256QAM	1	12	18.30	18.49	18.27
5	256QAM	1	24	18.47	18.38	18.40
5	256QAM	12	0	18.33	18.36	18.15
5	256QAM	12	7	18.23	18.17	18.40
5	256QAM	12	13	18.50	18.56	18.41
5	256QAM	25	0	18.31	18.60	18.57



Band 38_Ant 2						
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				37850	38000	38150
Frequency (MHz)				2580	2595	2610
20	QPSK	1	0	22.71	22.91	22.58
20	QPSK	1	49	22.85	22.97	22.67
20	QPSK	1	99	22.69	22.86	22.61
20	QPSK	50	0	22.58	22.82	22.52
20	QPSK	50	24	22.82	22.95	22.64
20	QPSK	50	50	22.78	22.90	22.63
20	QPSK	100	0	22.80	22.93	22.61
20	16QAM	1	0	22.78	22.95	22.34
20	16QAM	1	49	22.79	22.78	22.59
20	16QAM	1	99	22.75	22.88	22.52
20	16QAM	50	0	22.33	22.78	22.24
20	16QAM	50	24	22.65	22.78	22.69
20	16QAM	50	50	22.72	22.71	22.44
20	16QAM	100	0	22.86	22.82	22.52
20	64QAM	1	0	22.56	22.81	22.30
20	64QAM	1	49	22.88	22.76	22.73
20	64QAM	1	99	22.72	22.70	22.48
20	64QAM	50	0	21.64	21.80	21.57
20	64QAM	50	24	21.81	22.01	21.59
20	64QAM	50	50	21.89	21.77	21.53
20	64QAM	100	0	21.85	21.90	21.71
20	256QAM	1	0	19.24	19.28	19.05
20	256QAM	1	49	19.11	19.19	19.17
20	256QAM	1	99	18.99	18.99	18.96
20	256QAM	50	0	19.23	19.28	19.25
20	256QAM	50	24	18.98	19.09	19.04
20	256QAM	50	50	19.13	19.15	19.03
20	256QAM	100	0	19.02	19.03	19.08
Channel				37825	38000	38175
Frequency (MHz)				2577.5	2595	2612.5
15	QPSK	1	0	22.43	22.92	22.35
15	QPSK	1	37	22.65	22.71	22.73
15	QPSK	1	74	22.50	22.63	22.41
15	QPSK	36	0	22.55	22.77	22.54
15	QPSK	36	20	22.68	22.72	22.54
15	QPSK	36	39	22.83	22.81	22.70
15	QPSK	75	0	22.58	22.72	22.33
15	16QAM	1	0	22.50	22.85	22.34
15	16QAM	1	37	22.54	22.67	22.60
15	16QAM	1	74	22.78	22.80	22.27



15	16QAM	36	0	22.15	22.54	22.11
15	16QAM	36	20	22.37	22.76	22.58
15	16QAM	36	39	22.64	22.58	22.39
15	16QAM	75	0	22.69	22.68	22.52
15	64QAM	1	0	22.53	22.67	22.05
15	64QAM	1	37	22.61	22.53	22.78
15	64QAM	1	74	22.74	22.53	22.41
15	64QAM	36	0	21.47	21.88	21.62
15	64QAM	36	20	21.62	22.06	21.40
15	64QAM	36	39	21.66	21.72	21.44
15	64QAM	75	0	21.77	21.71	21.78
15	256QAM	1	0	19.14	19.07	18.97
15	256QAM	1	37	18.99	19.18	19.10
15	256QAM	1	74	18.90	18.98	18.95
15	256QAM	36	0	19.21	19.18	19.14
15	256QAM	36	20	18.93	19.07	18.95
15	256QAM	36	39	19.04	19.07	18.92
15	256QAM	75	0	18.94	18.90	19.06
Channel				37800	38000	38200
Frequency (MHz)				2575	2595	2615
10	QPSK	1	0	22.59	22.91	22.41
10	QPSK	1	25	22.84	22.81	22.55
10	QPSK	1	49	22.55	22.58	22.51
10	QPSK	25	0	22.35	22.66	22.46
10	QPSK	25	12	22.68	22.92	22.43
10	QPSK	25	25	22.83	22.76	22.59
10	QPSK	50	0	22.59	22.78	22.63
10	16QAM	1	0	22.70	22.92	22.08
10	16QAM	1	25	22.73	22.54	22.54
10	16QAM	1	49	22.81	22.77	22.34
10	16QAM	25	0	22.19	22.55	22.09
10	16QAM	25	12	22.62	22.68	22.74
10	16QAM	25	25	22.76	22.77	22.43
10	16QAM	50	0	22.63	22.79	22.48
10	64QAM	1	0	22.64	22.63	22.36
10	64QAM	1	25	22.62	22.70	22.45
10	64QAM	1	49	22.60	22.54	22.30
10	64QAM	25	0	21.41	21.73	21.59
10	64QAM	25	12	21.86	21.80	21.57
10	64QAM	25	25	21.84	21.62	21.46
10	64QAM	50	0	21.70	21.84	21.65
10	256QAM	1	0	19.19	19.01	19.07
10	256QAM	1	25	18.98	19.15	19.13
10	256QAM	1	49	18.86	18.98	18.85
10	256QAM	25	0	19.19	19.24	19.20



10	256QAM	25	12	18.97	18.96	18.99
10	256QAM	25	25	19.00	19.05	18.98
10	256QAM	50	0	18.95	18.93	19.00
Channel				37775	38000	38225
Frequency (MHz)				2572.5	2595	2617.5
5	QPSK	1	0	22.48	22.71	22.60
5	QPSK	1	12	22.68	22.79	22.48
5	QPSK	1	24	22.74	22.92	22.46
5	QPSK	12	0	22.65	22.79	22.43
5	QPSK	12	7	22.64	22.94	22.72
5	QPSK	12	13	22.72	22.67	22.39
5	QPSK	25	0	22.74	22.86	22.51
5	16QAM	1	0	22.67	22.85	22.15
5	16QAM	1	12	22.60	22.72	22.51
5	16QAM	1	24	22.78	22.90	22.46
5	16QAM	12	0	22.22	22.58	22.22
5	16QAM	12	7	22.46	22.69	22.66
5	16QAM	12	13	22.74	22.66	22.16
5	16QAM	25	0	22.91	22.74	22.43
5	64QAM	1	0	22.43	22.70	22.12
5	64QAM	1	12	22.80	22.51	22.63
5	64QAM	1	24	22.74	22.46	22.27
5	64QAM	12	0	21.50	21.53	21.51
5	64QAM	12	7	21.71	21.80	21.65
5	64QAM	12	13	21.84	21.62	21.58
5	64QAM	25	0	21.85	21.66	21.58
5	256QAM	1	0	19.02	19.16	18.82
5	256QAM	1	12	19.05	19.13	19.10
5	256QAM	1	24	18.89	18.86	18.88
5	256QAM	12	0	19.13	19.25	19.12
5	256QAM	12	7	18.90	19.04	19.02
5	256QAM	12	13	19.10	19.12	19.02
5	256QAM	25	0	18.90	18.97	18.95



Band 41 (HPUE)_Ant 2						
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				39750	40620	41490
Frequency (MHz)				2506	2593	2680
20	QPSK	1	0	24.36	24.52	24.33
20	QPSK	1	49	24.45	24.61	24.42
20	QPSK	1	99	24.43	24.58	24.40
20	QPSK	50	0	23.33	23.52	23.31
20	QPSK	50	24	23.43	23.58	23.35
20	QPSK	50	50	23.37	23.53	23.30
20	QPSK	100	0	23.41	23.56	23.32
20	16QAM	1	0	24.38	24.53	24.39
20	16QAM	1	49	24.48	24.30	24.41
20	16QAM	1	99	24.39	24.60	24.44
20	16QAM	50	0	22.47	22.61	22.26
20	16QAM	50	24	22.49	22.63	22.29
20	16QAM	50	50	22.56	22.63	22.30
20	16QAM	100	0	22.56	22.60	22.44
20	64QAM	1	0	24.42	24.55	24.18
20	64QAM	1	49	24.24	24.44	24.26
20	64QAM	1	99	24.34	24.52	24.44
20	64QAM	50	0	21.45	21.60	21.33
20	64QAM	50	24	21.42	21.53	21.37
20	64QAM	50	50	21.50	21.66	21.46
20	64QAM	100	0	21.38	21.62	21.44
20	256QAM	1	0	22.60	22.75	22.61
20	256QAM	1	49	22.47	22.69	22.54
20	256QAM	1	99	22.43	22.50	22.48
20	256QAM	50	0	22.41	22.65	22.53
20	256QAM	50	24	22.57	22.62	22.56
20	256QAM	50	50	22.40	22.60	22.53
20	256QAM	100	0	22.40	22.63	22.65
Channel				39725	40620	41515
Frequency (MHz)				2503.5	2593	2682.5
15	QPSK	1	0	24.39	24.52	24.12
15	QPSK	1	37	24.32	24.60	24.26
15	QPSK	1	74	24.37	24.58	24.44
15	QPSK	36	0	23.33	23.39	23.18
15	QPSK	36	20	23.40	23.30	23.14
15	QPSK	36	39	23.14	23.55	23.36
15	QPSK	75	0	23.27	23.55	23.30
15	16QAM	1	0	24.26	24.33	24.32
15	16QAM	1	37	24.55	24.14	24.28
15	16QAM	1	74	24.20	24.57	24.52



15	16QAM	36	0	22.39	22.38	22.04
15	16QAM	36	20	22.21	22.69	22.05
15	16QAM	36	39	22.61	22.44	22.07
15	16QAM	75	0	22.49	22.49	22.26
15	64QAM	1	0	24.21	24.28	24.08
15	64QAM	1	37	24.04	24.19	24.30
15	64QAM	1	74	24.19	24.52	24.51
15	64QAM	36	0	21.29	21.33	21.09
15	64QAM	36	20	21.47	21.42	21.18
15	64QAM	36	39	21.49	21.62	21.19
15	64QAM	75	0	21.15	21.36	21.19
15	256QAM	1	0	22.62	22.67	22.44
15	256QAM	1	37	22.50	22.61	22.38
15	256QAM	1	74	22.25	22.44	22.22
15	256QAM	36	0	22.25	22.71	22.56
15	256QAM	36	20	22.44	22.66	22.64
15	256QAM	36	39	22.21	22.57	22.58
15	256QAM	75	0	22.14	22.63	22.67
Channel				39700	40620	41540
Frequency (MHz)				2501	2593	2685
10	QPSK	1	0	24.33	24.29	24.31
10	QPSK	1	25	24.39	24.36	24.47
10	QPSK	1	49	24.15	24.36	24.24
10	QPSK	25	0	23.29	23.46	23.20
10	QPSK	25	12	23.17	23.30	23.42
10	QPSK	25	25	23.12	23.59	23.13
10	QPSK	50	0	23.41	23.62	23.21
10	16QAM	1	0	24.20	24.56	24.35
10	16QAM	1	25	24.39	24.34	24.21
10	16QAM	1	49	24.19	24.34	24.51
10	16QAM	25	0	22.44	22.45	22.28
10	16QAM	25	12	22.55	22.57	22.33
10	16QAM	25	25	22.38	22.70	22.13
10	16QAM	50	0	22.48	22.47	22.37
10	64QAM	1	0	24.41	24.51	24.12
10	64QAM	1	25	24.11	24.18	24.24
10	64QAM	1	49	24.29	24.40	24.38
10	64QAM	25	0	21.42	21.55	21.24
10	64QAM	25	12	21.23	21.25	21.33
10	64QAM	25	25	21.22	21.66	21.52
10	64QAM	50	0	21.27	21.60	21.24
10	256QAM	1	0	22.38	22.80	22.47
10	256QAM	1	25	22.51	22.46	22.38
10	256QAM	1	49	22.51	22.32	22.23
10	256QAM	25	0	22.18	22.70	22.39



10	256QAM	25	12	22.62	22.69	22.56
10	256QAM	25	25	22.26	22.43	22.49
10	256QAM	50	0	22.43	22.51	22.42
Channel				39675	40620	41565
Frequency (MHz)				2498.5	2593	2687.5
5	QPSK	1	0	24.12	24.58	24.36
5	QPSK	1	12	24.30	24.36	24.32
5	QPSK	1	24	24.33	24.39	24.13
5	QPSK	12	0	23.19	23.29	23.10
5	QPSK	12	7	23.16	23.56	23.10
5	QPSK	12	13	23.13	23.55	23.27
5	QPSK	25	0	23.42	23.43	23.12
5	16QAM	1	0	24.15	24.41	24.11
5	16QAM	1	12	24.30	24.32	24.34
5	16QAM	1	24	24.31	24.34	24.22
5	16QAM	12	0	22.33	22.67	22.31
5	16QAM	12	7	22.42	22.68	22.31
5	16QAM	12	13	22.32	22.48	22.19
5	16QAM	25	0	22.40	22.36	22.45
5	64QAM	1	0	24.17	24.59	24.23
5	64QAM	1	12	24.24	24.40	24.33
5	64QAM	1	24	24.18	24.25	24.37
5	64QAM	12	0	21.43	21.44	21.24
5	64QAM	12	7	21.40	21.41	21.12
5	64QAM	12	13	21.32	21.60	21.21
5	64QAM	25	0	21.37	21.50	21.41
5	256QAM	1	0	22.34	22.54	22.61
5	256QAM	1	12	22.49	22.64	22.26
5	256QAM	1	24	22.16	22.26	22.54
5	256QAM	12	0	22.35	22.70	22.59
5	256QAM	12	7	22.54	22.63	22.64
5	256QAM	12	13	22.44	22.67	22.47
5	256QAM	25	0	22.29	22.58	22.43



CA Power

CA_7C_Ant 2									
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			
20850	21048	QPSK	100	0	100	0	200	≤2	22.54
			1	0	1	99	2	≤8.5	16.37
			1	99	1	0	2	≤0	23.16
		16QAM	100	0	100	0	200	≤3	21.52
			1	0	1	99	2	≤8.5	16.51
			1	99	1	0	2	≤1	23.32
		64QAM	100	0	100	0	200	≤3	19.48
			1	0	1	99	2	≤8.5	16.45
			1	99	1	0	2	≤3	19.61
		256QAM	100	0	100	0	200	≤3	18.41
			1	0	1	99	2	≤8.5	16.43
			1	99	1	0	2	≤3	18.74
21001	21199	QPSK	100	0	100	0	200	≤2	22.76
			1	0	1	99	2	≤8.5	16.20
			1	99	1	0	2	≤0	23.34
		16QAM	100	0	100	0	200	≤3	21.75
			1	0	1	99	2	≤8.5	16.50
			1	99	1	0	2	≤1	23.27
		64QAM	100	0	100	0	200	≤3	19.32
			1	0	1	99	2	≤8.5	16.26
			1	99	1	0	2	≤3	19.48
		256QAM	100	0	100	0	200	≤3	18.26
			1	0	1	99	2	≤8.5	16.33
			1	99	1	0	2	≤3	18.57
21152	21350	QPSK	100	0	100	0	200	≤2	22.73
			1	0	1	99	2	≤8.5	16.02
			1	99	1	0	2	≤0	23.21
		16QAM	100	0	100	0	200	≤3	21.61
			1	0	1	99	2	≤8.5	16.44
			1	99	1	0	2	≤1	23.28
		64QAM	100	0	100	0	200	≤3	19.53
			1	0	1	99	2	≤8.5	16.48
			1	99	1	0	2	≤3	19.85
		256QAM	100	0	100	0	200	≤3	18.65
			1	0	1	99	2	≤8.5	16.42
			1	99	1	0	2	≤3	18.79



Combination 20MHz+15MHz (100RB+75RB)									
PCC Channel I	SCC Channel I	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
20850	21021	QPSK	100	0	75	0	175	≤2	22.52
			1	0	1	74	2	≤8.5	16.16
			1	99	1	0	2	≤0	22.72
		16QAM	100	0	75	0	175	≤3	21.38
			1	0	1	74	2	≤8.5	16.35
			1	99	1	0	2	≤1	23.25
		64QAM	100	0	75	0	175	≤3	20.74
			1	0	1	74	2	≤8.5	21.98
			1	99	1	0	2	≤3	21.88
		256QAM	100	0	75	0	175	≤3	19.23
			1	0	1	74	2	≤8.5	16.12
			1	99	1	0	2	≤3	19.17
21026	21197	QPSK	100	0	75	0	175	≤2	22.44
			1	0	1	74	2	≤8.5	16.03
			1	99	1	0	2	≤0	22.62
		16QAM	100	0	75	0	175	≤3	21.24
			1	0	1	74	2	≤8.5	16.22
			1	99	1	0	2	≤1	23.09
		64QAM	100	0	75	0	175	≤3	20.96
			1	0	1	74	2	≤8.5	22.12
			1	99	1	0	2	≤3	22.05
		256QAM	100	0	75	0	175	≤3	19.37
			1	0	1	74	2	≤8.5	16.17
			1	99	1	0	2	≤3	19.16
21201	21372	QPSK	100	0	75	0	175	≤2	22.46
			1	0	1	74	2	≤8.5	15.93
			1	99	1	0	2	≤0	22.59
		16QAM	100	0	75	0	175	≤3	21.33
			1	0	1	74	2	≤8.5	16.29
			1	99	1	0	2	≤1	23.12
		64QAM	100	0	75	0	175	≤3	20.78
			1	0	1	74	2	≤8.5	22.04
			1	99	1	0	2	≤3	21.90
		256QAM	100	0	75	0	175	≤3	19.36
			1	0	1	74	2	≤8.5	16.30
			1	99	1	0	2	≤3	19.33
Combination 15MHz+20MHz (75RB+100RB)									
PCC Channel I	SCC Channel I	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)
			RB	RB	RB	RB			



			Size	offset	Size	offset			
20828	20999	QPSK	75	0	100	0	175	≤2	22.35
			1	0	1	99	2	≤8.5	16.07
			1	74	1	0	2	≤0	22.60
		16QAM	75	0	100	0	175	≤3	21.31
			1	0	1	99	2	≤8.5	16.34
			1	74	1	0	2	≤1	23.09
		64QAM	75	0	100	0	175	≤3	20.86
			1	0	1	99	2	≤8.5	21.83
			1	74	1	0	2	≤3	21.92
		256QAM	75	0	100	0	175	≤3	19.21
			1	0	1	99	2	≤8.5	15.94
			1	74	1	0	2	≤3	19.16
21003	21174	QPSK	75	0	100	0	175	≤2	22.21
			1	0	1	99	2	≤8.5	15.98
			1	74	1	0	2	≤0	22.43
		16QAM	75	0	100	0	175	≤3	21.25
			1	0	1	99	2	≤8.5	16.24
			1	74	1	0	2	≤1	23.02
		64QAM	75	0	100	0	175	≤3	20.78
			1	0	1	99	2	≤8.5	21.93
			1	74	1	0	2	≤3	21.95
		256QAM	75	0	100	0	175	≤3	19.34
			1	0	1	99	2	≤8.5	16.13
			1	74	1	0	2	≤3	19.28
21179	21350	QPSK	75	0	100	0	175	≤2	22.28
			1	0	1	99	2	≤8.5	15.84
			1	74	1	0	2	≤0	22.42
		16QAM	75	0	100	0	175	≤3	21.19
			1	0	1	99	2	≤8.5	16.27
			1	74	1	0	2	≤1	23.02
		64QAM	75	0	100	0	175	≤3	20.87
			1	0	1	99	2	≤8.5	22.00
			1	74	1	0	2	≤3	22.05
		256QAM	75	0	100	0	175	≤3	19.32
			1	0	1	99	2	≤8.5	15.92
			1	74	1	0	2	≤3	19.13
Combination 20MHz+10MHz (100RB+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			
20850	20994	QPSK	100	0	50	0	150	≤2	22.51
			1	0	1	49	2	≤8.5	15.96
			1	99	1	0	2	≤0	22.63



		16QAM	100	0	50	0	150	≤3	21.47
			1	0	1	49	2	≤8.5	16.48
			1	99	1	0	2	≤1	23.04
		64QAM	100	0	50	0	150	≤3	19.64
			1	0	1	49	2	≤8.5	16.37
			1	99	1	0	2	≤3	19.69
		256QAM	100	0	50	0	150	≤3	18.22
			1	0	1	49	2	≤8.5	16.25
			1	99	1	0	2	≤3	18.39
21051	21195	QPSK	100	0	50	0	150	≤2	22.67
			1	0	1	49	2	≤8.5	16.17
			1	99	1	0	2	≤0	22.78
		16QAM	100	0	50	0	150	≤3	21.28
			1	0	1	49	2	≤8.5	16.39
			1	99	1	0	2	≤1	22.99
		64QAM	100	0	50	0	150	≤3	19.57
			1	0	1	49	2	≤8.5	16.32
			1	99	1	0	2	≤3	19.63
		256QAM	100	0	50	0	150	≤3	18.53
			1	0	1	49	2	≤8.5	16.32
			1	99	1	0	2	≤3	18.40
21251	21395	QPSK	100	0	50	0	150	≤2	22.42
			1	0	1	49	2	≤8.5	15.95
			1	99	1	0	2	≤0	22.65
		16QAM	100	0	50	0	150	≤3	21.44
			1	0	1	49	2	≤8.5	16.41
			1	99	1	0	2	≤1	22.89
		64QAM	100	0	50	0	150	≤3	19.56
			1	0	1	49	2	≤8.5	16.22
			1	99	1	0	2	≤3	19.62
		256QAM	100	0	50	0	150	≤3	18.52
			1	0	1	49	2	≤8.5	16.37
			1	99	1	0	2	≤3	18.53
Combination 10MHz+20MHz (50RB+100RB)									
PCC Channel I	SCC Channel I	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
20805	20949	QPSK	50	0	100	0	150	≤2	22.56
			1	0	1	99	2	≤8.5	15.97
			1	49	1	0	2	≤0	22.60
		16QAM	50	0	100	0	150	≤3	21.31
			1	0	1	99	2	≤8.5	16.34
			1	49	1	0	2	≤1	22.95
		64QAM	50	0	100	0	150	≤3	19.54



		256QAM	1	0	1	99	2	≤8.5	16.23
			1	49	1	0	2	≤3	19.45
			50	0	100	0	150	≤3	18.45
			1	0	1	99	2	≤8.5	16.28
			1	49	1	0	2	≤3	18.38
21006	21150	QPSK	50	0	100	0	150	≤2	22.55
			1	0	1	99	2	≤8.5	16.01
			1	49	1	0	2	≤0	22.64
		16QAM	50	0	100	0	150	≤3	21.22
			1	0	1	99	2	≤8.5	16.25
			1	49	1	0	2	≤1	22.79
		64QAM	50	0	100	0	150	≤3	19.64
			1	0	1	99	2	≤8.5	16.38
			1	49	1	0	2	≤3	19.52
		256QAM	50	0	100	0	150	≤3	18.41
			1	0	1	99	2	≤8.5	16.26
			1	49	1	0	2	≤3	18.28
21206	21350	QPSK	50	0	100	0	150	≤2	22.63
			1	0	1	99	2	≤8.5	16.08
			1	49	1	0	2	≤0	22.70
		16QAM	50	0	100	0	150	≤3	21.25
			1	0	1	99	2	≤8.5	16.28
			1	49	1	0	2	≤1	22.90
		64QAM	50	0	100	0	150	≤3	19.48
			1	0	1	99	2	≤8.5	16.25
			1	49	1	0	2	≤3	19.38
		256QAM	50	0	100	0	150	≤3	18.49
			1	0	1	99	2	≤8.5	16.36
			1	49	1	0	2	≤3	18.46
Combination 15MHz+15MHz (75RB+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			
20825	20975	QPSK	75	0	75	0	150	≤2	22.36
			1	0	1	74	2	≤8.5	16.09
			1	74	1	0	2	≤0	22.59
		16QAM	75	0	75	0	150	≤3	21.73
			1	0	1	74	2	≤8.5	16.53
			1	74	1	0	2	≤1	23.07
		64QAM	75	0	75	0	150	≤3	19.44
			1	0	1	74	2	≤8.5	16.08
			1	74	1	0	2	≤3	19.83
		256QAM	75	0	75	0	150	≤3	18.57
			1	0	1	74	2	≤8.5	16.34



			1	74	1	0	2	≤3	19.45
21025	21175	QPSK	75	0	75	0	150	≤2	22.35
			1	0	1	74	2	≤8.5	16.03
			1	74	1	0	2	≤0	22.48
		16QAM	75	0	75	0	150	≤3	21.75
			1	0	1	74	2	≤8.5	16.66
			1	74	1	0	2	≤1	23.14
		64QAM	75	0	75	0	150	≤3	19.58
			1	0	1	74	2	≤8.5	16.19
			1	74	1	0	2	≤3	19.89
		256QAM	75	0	75	0	150	≤3	18.53
			1	0	1	74	2	≤8.5	16.27
			1	74	1	0	2	≤3	19.30
21225	21375	QPSK	75	0	75	0	150	≤2	22.29
			1	0	1	74	2	≤8.5	16.04
			1	74	1	0	2	≤0	22.48
		16QAM	75	0	75	0	150	≤3	21.55
			1	0	1	74	2	≤8.5	16.56
			1	74	1	0	2	≤1	23.01
		64QAM	75	0	75	0	150	≤3	19.75
			1	0	1	74	2	≤8.5	16.30
			1	74	1	0	2	≤3	19.99
		256QAM	75	0	75	0	150	≤3	18.39
			1	0	1	74	2	≤8.5	16.24
			1	74	1	0	2	≤3	19.40
Combination 15MHz+10MHz (75RB+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			
20825	20945	QPSK	75	0	50	0	125	≤2	22.27
			1	0	1	49	2	≤8.5	15.91
			1	74	1	0	2	≤0	22.38
		16QAM	75	0	50	0	125	≤3	21.62
			1	0	1	49	2	≤8.5	16.48
			1	74	1	0	2	≤1	23.12
		64QAM	75	0	50	0	125	≤3	19.63
			1	0	1	49	2	≤8.5	16.23
			1	74	1	0	2	≤3	19.83
		256QAM	75	0	50	0	125	≤3	18.46
			1	0	1	49	2	≤8.5	16.30
			1	74	1	0	2	≤3	19.30
21051	21171	QPSK	75	0	50	0	125	≤2	22.36
			1	0	1	49	2	≤8.5	16.05
			1	74	1	0	2	≤0	22.43



		16QAM	75	0	50	0	125	≤ 3	21.65
			1	0	1	49	2	≤ 8.5	16.25
			1	74	1	0	2	≤ 1	23.07
		64QAM	75	0	50	0	125	≤ 3	19.53
			1	0	1	49	2	≤ 8.5	16.16
			1	74	1	0	2	≤ 3	19.71
		256QAM	75	0	50	0	125	≤ 3	18.41
			1	0	1	49	2	≤ 8.5	16.24
			1	74	1	0	2	≤ 3	19.14
21277	21397	QPSK	75	0	50	0	125	≤ 2	22.26
			1	0	1	49	2	≤ 8.5	15.83
			1	74	1	0	2	≤ 0	22.27
		16QAM	75	0	50	0	125	≤ 3	21.73
			1	0	1	49	2	≤ 8.5	16.58
			1	74	1	0	2	≤ 1	23.17
		64QAM	75	0	50	0	125	≤ 3	19.21
			1	0	1	49	2	≤ 8.5	15.98
			1	74	1	0	2	≤ 3	19.53
		256QAM	75	0	50	0	125	≤ 3	18.23
			1	0	1	49	2	≤ 8.5	16.19
			1	74	1	0	2	≤ 3	19.04



CA_41C_Ant 2									
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			
39790	39988	QPSK	100	0	100	0	200	≤2	22.99
			1	0	1	99	2	≤8.5	16.49
			1	99	1	0	2	≤0	22.99
		16QAM	100	0	100	0	200	≤3	21.98
			1	0	1	99	2	≤8.5	16.42
			1	99	1	0	2	≤1	22.96
		64QAM	100	0	100	0	200	≤3	21.97
			1	0	1	99	2	≤8.5	16.43
			1	99	1	0	2	≤3	22.95
		256QAM	100	0	100	0	200	≤3	20.02
			1	0	1	99	2	≤8.5	16.39
			1	99	1	0	2	≤3	19.99
39750	39948	QPSK	100	0	100	0	200	≤2	22.94
			1	0	1	99	2	≤8.5	16.33
			1	99	1	0	2	≤0	23.00
		16QAM	100	0	100	0	200	≤3	21.85
			1	0	1	99	2	≤8.5	16.18
			1	99	1	0	2	≤1	22.96
		64QAM	100	0	100	0	200	≤3	21.68
			1	0	1	99	2	≤8.5	16.21
			1	99	1	0	2	≤3	22.84
		256QAM	100	0	100	0	200	≤3	19.91
			1	0	1	99	2	≤8.5	16.28
			1	99	1	0	2	≤3	19.89
40521	40719	QPSK	100	0	100	0	200	≤2	22.96
			1	0	1	99	2	≤8.5	16.44
			1	99	1	0	2	≤0	22.86
		16QAM	100	0	100	0	200	≤3	22.10
			1	0	1	99	2	≤8.5	16.45
			1	99	1	0	2	≤1	22.97
		64QAM	100	0	100	0	200	≤3	22.00
			1	0	1	99	2	≤8.5	16.56
			1	99	1	0	2	≤3	22.95
		256QAM	100	0	100	0	200	≤3	19.84
			1	0	1	99	2	≤8.5	16.34
			1	99	1	0	2	≤3	19.89
41292	41490	QPSK	100	0	100	0	200	≤2	22.62
			1	0	1	99	2	≤8.5	16.12
			1	99	1	0	2	≤0	22.84



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					
		16QAM	100	0	100	0	200	≤3	21.76		
			1	0	1	99	2	≤8.5	16.09		
			1	99	1	0	2	≤1	22.79		
		64QAM	100	0	100	0	200	≤3	21.72		
			1	0	1	99	2	≤8.5	16.37		
			1	99	1	0	2	≤3	22.69		
		256QAM	100	0	100	0	200	≤3	19.78		
			1	0	1	99	2	≤8.5	16.22		
			1	99	1	0	2	≤3	19.64		
Combination 20MHz+15MHz (100RB+75RB)											
39790	39961	QPSK	100	0	75	0	175	≤2	22.98		
			1	0	1	74	2	≤8.5	16.44		
			1	99	1	0	2	≤0	22.97		
		16QAM	100	0	75	0	175	≤3	21.82		
			1	0	1	74	2	≤8.5	16.15		
			1	99	1	0	2	≤1	22.89		
		64QAM	100	0	75	0	175	≤3	22.07		
			1	0	1	74	2	≤8.5	16.33		
			1	99	1	0	2	≤3	22.84		
		256QAM	100	0	75	0	175	≤3	19.87		
			1	0	1	74	2	≤8.5	16.30		
			1	99	1	0	2	≤3	19.73		
		39750	39921	QPSK	100	0	75	0	175	≤2	22.71
					1	0	1	74	2	≤8.5	16.34
					1	99	1	0	2	≤0	22.91
				16QAM	100	0	75	0	175	≤3	21.99
					1	0	1	74	2	≤8.5	16.37
					1	99	1	0	2	≤1	22.95
64QAM	100			0	75	0	175	≤3	22.07		
	1			0	1	74	2	≤8.5	16.42		
	1			99	1	0	2	≤3	22.91		
256QAM	100			0	75	0	175	≤3	19.91		
	1			0	1	74	2	≤8.5	16.23		
	1			99	1	0	2	≤3	19.67		
40546	40717	QPSK	100	0	75	0	175	≤2	22.97		
			1	0	1	74	2	≤8.5	16.36		
			1	99	1	0	2	≤0	22.92		
		16QAM	100	0	75	0	175	≤3	21.92		
			1	0	1	74	2	≤8.5	16.18		
		1	99	1	0	2	≤1	22.80			
		64QAM	100	0	75	0	175	≤3	22.04		



		256QAM	1	0	1	74	2	≤8.5	16.53
			1	99	1	0	2	≤3	22.97
			100	0	75	0	175	≤3	19.88
			1	0	1	74	2	≤8.5	16.22
			1	99	1	0	2	≤3	19.70
41341	41512	QPSK	100	0	75	0	175	≤2	22.85
			1	0	1	74	2	≤8.5	16.28
			1	99	1	0	2	≤0	22.85
		16QAM	100	0	75	0	175	≤3	21.78
			1	0	1	74	2	≤8.5	16.14
			1	99	1	0	2	≤1	22.77
		64QAM	100	0	75	0	175	≤3	22.02
			1	0	1	74	2	≤8.5	16.44
			1	99	1	0	2	≤3	22.87
		256QAM	100	0	75	0	175	≤3	19.99
			1	0	1	74	2	≤8.5	16.36
			1	99	1	0	2	≤3	19.85
Combination 15MHz+20MHz (75RB+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			
39765	39936	QPSK	75	0	100	0	175	≤2	22.97
			1	0	1	99	2	≤8.5	16.74
			1	74	1	0	2	≤0	22.98
		16QAM	75	0	100	0	175	≤3	21.85
			1	0	1	99	2	≤8.5	16.25
			1	74	1	0	2	≤1	22.81
		64QAM	75	0	100	0	175	≤3	21.92
			1	0	1	99	2	≤8.5	16.28
			1	74	1	0	2	≤3	22.78
256QAM	75	0	100	0	175	≤3	19.71		
	1	0	1	99	2	≤8.5	16.28		
	1	74	1	0	2	≤3	19.69		
39728	39899	QPSK	75	0	100	0	175	≤2	22.88
			1	0	1	99	2	≤8.5	16.57
			1	74	1	0	2	≤0	22.87
		16QAM	75	0	100	0	175	≤3	21.96
			1	0	1	99	2	≤8.5	16.32
			1	74	1	0	2	≤1	22.96
		64QAM	75	0	100	0	175	≤3	21.85
			1	0	1	99	2	≤8.5	16.40
			1	74	1	0	2	≤3	22.87
256QAM	75	0	100	0	175	≤3	19.75		
	1	0	1	99	2	≤8.5	16.24		



			1	74	1	0	2	≤3	19.58
40523	40694	QPSK	75	0	100	0	175	≤2	22.74
			1	0	1	99	2	≤8.5	16.65
			1	74	1	0	2	≤0	22.82
		16QAM	75	0	100	0	175	≤3	21.94
			1	0	1	99	2	≤8.5	16.19
			1	74	1	0	2	≤1	22.81
		64QAM	75	0	100	0	175	≤3	22.01
			1	0	1	99	2	≤8.5	16.48
			1	74	1	0	2	≤3	22.95
		256QAM	75	0	100	0	175	≤2	19.67
			1	0	1	99	2	≤8.5	16.15
			1	74	1	0	2	≤0	19.58
41319	41490	QPSK	75	0	100	0	175	≤2	22.93
			1	0	1	99	2	≤8.5	16.58
			1	74	1	0	2	≤0	22.91
		16QAM	75	0	100	0	175	≤3	21.95
			1	0	1	99	2	≤8.5	16.16
			1	74	1	0	2	≤1	22.89
		64QAM	75	0	100	0	175	≤3	21.99
			1	0	1	99	2	≤8.5	16.29
			1	74	1	0	2	≤3	22.87
		256QAM	75	0	100	0	175	≤3	19.79
			1	0	1	99	2	≤8.5	16.36
			1	74	1	0	2	≤3	19.74
Combination 20MHz+10MHz (100RB+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			
39790	39934	QPSK	100	0	50	0	150	≤2	22.85
			1	0	1	49	2	≤8.5	16.53
			1	99	1	0	2	≤0	22.93
		16QAM	100	0	50	0	150	≤3	21.87
			1	0	1	49	2	≤8.5	16.30
			1	99	1	0	2	≤1	22.90
		64QAM	100	0	50	0	150	≤3	21.82
			1	0	1	49	2	≤8.5	16.54
			1	99	1	0	2	≤3	22.93
		256QAM	100	0	50	0	150	≤3	19.94
			1	0	1	49	2	≤8.5	16.24
			1	99	1	0	2	≤3	19.82
39750	39894	QPSK	100	0	50	0	150	≤2	22.71
			1	0	1	49	2	≤8.5	16.34
			1	99	1	0	2	≤0	22.79



		16QAM	100	0	50	0	150	≤3	21.95
			1	0	1	49	2	≤8.5	16.37
			1	99	1	0	2	≤1	22.97
		64QAM	100	0	50	0	150	≤3	21.87
			1	0	1	49	2	≤8.5	16.51
			1	99	1	0	2	≤3	22.87
		256QAM	100	0	50	0	150	≤2	19.86
			1	0	1	49	2	≤8.5	16.25
			1	99	1	0	2	≤0	19.82
40571	40715	QPSK	100	0	50	0	150	≤2	22.83
			1	0	1	49	2	≤8.5	16.42
			1	99	1	0	2	≤0	22.83
		16QAM	100	0	50	0	150	≤3	21.80
			1	0	1	49	2	≤8.5	16.16
			1	99	1	0	2	≤1	22.84
		64QAM	100	0	50	0	150	≤3	21.98
			1	0	1	49	2	≤8.5	16.59
			1	99	1	0	2	≤3	22.98
		256QAM	100	0	50	0	150	≤2	19.96
			1	0	1	49	2	≤8.5	16.27
			1	99	1	0	2	≤0	19.73
41391	41535	QPSK	100	0	50	0	150	≤2	22.76
			1	0	1	49	2	≤8.5	16.32
			1	99	1	0	2	≤0	22.79
		16QAM	100	0	50	0	150	≤3	21.84
			1	0	1	49	2	≤8.5	16.27
			1	99	1	0	2	≤1	22.88
		64QAM	100	0	50	0	150	≤3	21.95
			1	0	1	49	2	≤8.5	16.38
			1	99	1	0	2	≤3	22.87
		256QAM	100	0	50	0	150	≤3	19.93
			1	0	1	49	2	≤8.5	16.46
			1	99	1	0	2	≤3	19.88
Combination 10MHz+20MHz (50RB+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			
39740	39884	QPSK	50	0	100	0	150	≤2	22.97
			1	0	1	99	2	≤8.5	16.54
			1	49	1	0	2	≤0	22.95
		16QAM	50	0	100	0	150	≤3	21.97
			1	0	1	99	2	≤8.5	16.45
			1	49	1	0	2	≤1	22.78
		64QAM	50	0	100	0	150	≤3	22.11



		256QAM	1	0	1	99	2	≤8.5	16.62
			1	49	1	0	2	≤3	22.81
			50	0	100	0	150	≤2	19.96
			1	0	1	99	2	≤8.5	16.21
			1	49	1	0	2	≤0	19.86
39705	39849	QPSK	50	0	100	0	150	≤2	22.90
			1	0	1	99	2	≤8.5	16.47
			1	49	1	0	2	≤0	22.78
		16QAM	50	0	100	0	150	≤3	22.11
			1	0	1	99	2	≤8.5	16.57
			1	49	1	0	2	≤1	22.96
		64QAM	50	0	100	0	150	≤3	22.01
			1	0	1	99	2	≤8.5	16.54
			1	49	1	0	2	≤3	22.81
		256QAM	50	0	100	0	150	≤2	19.82
			1	0	1	99	2	≤8.5	16.18
			1	49	1	0	2	≤0	19.86
40526	40670	QPSK	50	0	100	0	150	≤2	22.98
			1	0	1	99	2	≤8.5	16.38
			1	49	1	0	2	≤0	22.84
		16QAM	50	0	100	0	150	≤3	22.05
			1	0	1	99	2	≤8.5	16.43
			1	49	1	0	2	≤1	22.83
		64QAM	50	0	100	0	150	≤3	22.29
			1	0	1	99	2	≤8.5	16.77
			1	49	1	0	2	≤3	22.96
		256QAM	50	0	100	0	150	≤2	19.94
			1	0	1	99	2	≤8.5	16.16
			1	49	1	0	2	≤0	19.78
41346	41490	QPSK	50	0	100	0	150	≤2	22.90
			1	0	1	99	2	≤8.5	16.41
			1	49	1	0	2	≤0	22.77
		16QAM	50	0	100	0	150	≤3	21.98
			1	0	1	99	2	≤8.5	16.52
			1	49	1	0	2	≤1	22.79
		64QAM	50	0	100	0	150	≤3	22.18
			1	0	1	99	2	≤8.5	16.67
			1	49	1	0	2	≤3	22.78
		256QAM	50	0	100	0	150	≤3	20.01
			1	0	1	99	2	≤8.5	16.39
			1	49	1	0	2	≤3	19.92
Combination 20MHz+5MHz (100RB+25RB)									
PCC Channe	SCC Channe	Modulatio n	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measure d Power
			RB	RB	RB	RB			



I	I		Size	offset	Size	offset			
39790	39907	QPSK	100	0	25	0	125	≤2	22.92
			1	0	1	24	2	≤8.5	16.69
			1	99	1	0	2	≤0	22.96
		16QAM	100	0	25	0	125	≤3	22.01
			1	0	1	24	2	≤8.5	16.46
			1	99	1	0	2	≤1	22.88
		64QAM	100	0	25	0	125	≤3	22.29
			1	0	1	24	2	≤8.5	16.64
			1	99	1	0	2	≤3	22.75
		256QAM	100	0	25	0	125	≤3	20.10
			1	0	1	24	2	≤8.5	16.30
			1	99	1	0	2	≤3	19.86
39750	39867	QPSK	100	0	25	0	125	≤2	22.78
			1	0	1	24	2	≤8.5	16.51
			1	99	1	0	2	≤0	22.82
		16QAM	100	0	25	0	125	≤3	22.15
			1	0	1	24	2	≤8.5	16.65
			1	99	1	0	2	≤1	22.95
		64QAM	100	0	25	0	125	≤3	22.27
			1	0	1	24	2	≤8.5	16.80
			1	99	1	0	2	≤3	22.84
		256QAM	100	0	25	0	125	≤3	20.07
			1	0	1	24	2	≤8.5	16.36
			1	99	1	0	2	≤3	19.90
40595	40712	QPSK	100	0	25	0	125	≤2	22.93
			1	0	1	24	2	≤8.5	16.63
			1	99	1	0	2	≤0	22.85
		16QAM	100	0	25	0	125	≤3	22.07
			1	0	1	24	2	≤8.5	16.51
			1	99	1	0	2	≤1	22.78
		64QAM	100	0	25	0	125	≤3	22.28
			1	0	1	24	2	≤8.5	16.86
			1	99	1	0	2	≤3	22.93
		256QAM	100	0	25	0	125	≤3	20.01
			1	0	1	24	2	≤8.5	16.40
			1	99	1	0	2	≤3	19.92
41440	41557	QPSK	100	0	25	0	125	≤2	22.90
			1	0	1	24	2	≤8.5	16.49
			1	99	1	0	2	≤0	22.83
		16QAM	100	0	25	0	125	≤3	22.16
			1	0	1	24	2	≤8.5	16.49
			1	99	1	0	2	≤1	22.77
		64QAM	100	0	25	0	125	≤3	22.26



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	1	0	1	24	2	≤8.5	16.72
			1	99	1	0	2	≤3	22.81
			100	0	25	0	125	≤3	20.07
			1	0	1	24	2	≤8.5	16.53
			1	99	1	0	2	≤3	19.98
Combination 5MHz+20MHz (25RB+100RB)									
39715	39832	QPSK	25	0	100	0	125	≤2	22.93
			1	0	1	99	2	≤8.5	16.65
			1	24	1	0	2	≤0	22.94
		16QAM	25	0	100	0	125	≤3	22.01
			1	0	1	99	2	≤8.5	16.53
			1	24	1	0	2	≤1	21.98
		64QAM	25	0	100	0	125	≤3	22.27
			1	0	1	99	2	≤8.5	16.75
			1	24	1	0	2	≤3	22.83
		256QAM	25	0	100	0	125	≤3	20.04
			1	0	1	99	2	≤8.5	16.43
			1	24	1	0	2	≤3	19.80
39683	39800	QPSK	25	0	100	0	125	≤2	22.73
			1	0	1	99	2	≤8.5	16.59
			1	24	1	0	2	≤0	22.84
		16QAM	25	0	100	0	125	≤3	21.98
			1	0	1	99	2	≤8.5	16.59
			1	24	1	0	2	≤1	22.05
		64QAM	25	0	100	0	125	≤3	22.19
			1	0	1	99	2	≤8.5	16.59
			1	24	1	0	2	≤3	22.82
		256QAM	25	0	100	0	125	≤3	19.95
			1	0	1	99	2	≤8.5	16.55
			1	24	1	0	2	≤3	19.90
40528	40645	QPSK	25	0	100	0	125	≤2	22.84
			1	0	1	99	2	≤8.5	16.59
			1	24	1	0	2	≤0	22.82
		16QAM	25	0	100	0	125	≤3	21.90
			1	0	1	99	2	≤8.5	16.36
			1	24	1	0	2	≤1	21.96
		64QAM	25	0	100	0	125	≤3	22.29
			1	0	1	99	2	≤8.5	16.82
			1	24	1	0	2	≤3	22.99
		256QAM	25	0	100	0	125	≤3	19.92
			1	0	1	99	2	≤8.5	16.44



			1	24	1	0	2	≤3	19.85
41373	41490	QPSK	25	0	100	0	125	≤2	22.89
			1	0	1	99	2	≤8.5	16.57
			1	24	1	0	2	≤0	22.78
		16QAM	25	0	100	0	125	≤3	21.83
			1	0	1	99	2	≤8.5	16.42
			1	24	1	0	2	≤1	21.95
		64QAM	25	0	100	0	125	≤3	22.11
			1	0	1	99	2	≤8.5	16.67
			1	24	1	0	2	≤3	22.91
		256QAM	25	0	100	0	125	≤3	20.01
			1	0	1	99	2	≤8.5	16.61
			1	24	1	0	2	≤3	19.95
Combination 15MHz+10MHz (75RB+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			
39765	39885	QPSK	75	0	50	0	125	≤2	22.68
			1	0	1	49	2	≤8.5	16.39
			1	74	1	0	2	≤0	22.77
		16QAM	75	0	50	0	125	≤3	22.05
			1	0	1	49	2	≤8.5	16.53
			1	74	1	0	2	≤1	21.96
		64QAM	75	0	50	0	125	≤3	22.14
			1	0	1	49	2	≤8.5	16.78
			1	74	1	0	2	≤3	22.77
		256QAM	75	0	50	0	125	≤3	19.97
			1	0	1	49	2	≤8.5	16.31
			1	74	1	0	2	≤3	19.59
39725	39845	QPSK	75	0	50	0	125	≤2	22.70
			1	0	1	49	2	≤8.5	16.61
			1	74	1	0	2	≤0	22.87
		16QAM	75	0	50	0	125	≤3	21.79
			1	0	1	49	2	≤8.5	16.66
			1	74	1	0	2	≤1	21.92
		64QAM	75	0	50	0	125	≤3	22.11
			1	0	1	49	2	≤8.5	16.45
			1	74	1	0	2	≤3	22.90
		256QAM	75	0	50	0	125	≤3	19.88
			1	0	1	49	2	≤8.5	16.62
			1	74	1	0	2	≤3	19.63
40571	40691	QPSK	75	0	50	0	125	≤2	22.58
			1	0	1	49	2	≤8.5	16.63
			1	74	1	0	2	≤0	22.70



		16QAM	75	0	50	0	125	≤3	21.77
			1	0	1	49	2	≤8.5	16.33
			1	74	1	0	2	≤1	21.87
		64QAM	75	0	50	0	125	≤3	22.35
			1	0	1	49	2	≤8.5	16.90
			1	74	1	0	2	≤3	22.95
		256QAM	75	0	50	0	125	≤3	19.79
			1	0	1	49	2	≤8.5	16.23
			1	74	1	0	2	≤3	19.79
41417	41537	QPSK	75	0	50	0	125	≤2	22.92
			1	0	1	49	2	≤8.5	16.41
			1	74	1	0	2	≤0	22.55
		16QAM	75	0	50	0	125	≤3	21.85
			1	0	1	49	2	≤8.5	16.39
			1	74	1	0	2	≤1	21.87
		64QAM	75	0	50	0	125	≤3	22.13
			1	0	1	49	2	≤8.5	16.39
			1	74	1	0	2	≤3	22.71
		256QAM	75	0	50	0	125	≤3	20.05
			1	0	1	49	2	≤8.5	16.54
			1	74	1	0	2	≤3	19.82
Combination 10MHz+15MHz (50RB+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			
39740	39860	QPSK	50	0	75	0	125	≤2	22.71
			1	0	1	74	2	≤8.5	16.65
			1	49	1	0	2	≤0	22.58
		16QAM	50	0	75	0	125	≤3	21.75
			1	0	1	74	2	≤8.5	16.24
			1	49	1	0	2	≤1	21.92
		64QAM	50	0	75	0	125	≤3	22.34
			1	0	1	74	2	≤8.5	16.59
			1	49	1	0	2	≤3	22.87
256QAM	50	0	75	0	125	≤3	19.79		
	1	0	1	74	2	≤8.5	16.20		
	1	49	1	0	2	≤3	19.89		
39703	39823	QPSK	50	0	75	0	125	≤2	22.81
			1	0	1	74	2	≤8.5	16.56
			1	49	1	0	2	≤0	22.68
		16QAM	50	0	75	0	125	≤3	21.76
			1	0	1	74	2	≤8.5	16.23
		1	49	1	0	2	≤1	21.77	
		64QAM	50	0	75	0	125	≤3	22.12



		256QAM	1	0	1	74	2	≤8.5	16.62
			1	49	1	0	2	≤3	22.78
			50	0	75	0	125	≤3	20.04
			1	0	1	74	2	≤8.5	16.68
			1	49	1	0	2	≤3	19.87
40549	40669	QPSK	50	0	75	0	125	≤2	22.83
			1	0	1	74	2	≤8.5	16.33
			1	49	1	0	2	≤0	22.62
		16QAM	50	0	75	0	125	≤3	21.82
			1	0	1	74	2	≤8.5	16.44
			1	49	1	0	2	≤1	21.89
		64QAM	50	0	75	0	125	≤3	22.10
			1	0	1	74	2	≤8.5	16.58
			1	49	1	0	2	≤3	22.74
		256QAM	50	0	75	0	125	≤3	19.97
			1	0	1	74	2	≤8.5	16.46
			1	49	1	0	2	≤3	19.83
41395	41515	QPSK	50	0	75	0	125	≤2	22.80
			1	0	1	74	2	≤8.5	16.62
			1	49	1	0	2	≤0	22.65
		16QAM	50	0	75	0	125	≤3	21.56
			1	0	1	74	2	≤8.5	16.35
			1	49	1	0	2	≤1	21.98
		64QAM	50	0	75	0	125	≤3	22.01
			1	0	1	74	2	≤8.5	16.55
			1	49	1	0	2	≤3	22.70
		256QAM	50	0	75	0	125	≤3	19.91
			1	0	1	74	2	≤8.5	16.37
			1	49	1	0	2	≤3	19.85
Combination 15MHz+15MHz (75RB+75RB)									
PCC Channel I	SCC Channel I	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset			
39765	39915	QPSK	75	0	75	0	150	≤2	21.93
			1	0	1	74	2	≤8.5	16.46
			1	74	1	0	2	≤0	22.99
		16QAM	75	0	75	0	150	≤3	21.30
			1	0	1	74	2	≤8.5	16.41
			1	74	1	0	2	≤1	22.98
		64QAM	75	0	75	0	150	≤3	20.16
			1	0	1	74	2	≤8.5	16.37
			1	74	1	0	2	≤3	22.69
		256QAM	75	0	75	0	150	≤3	19.65
			1	0	1	74	2	≤8.5	15.78



39725	39875	QPSK	1	74	1	0	2	≤3	19.28	
			75	0	75	0	150	≤2	21.91	
			1	0	1	74	2	≤8.5	16.28	
		16QAM	1	74	1	0	2	≤0	22.83	
			75	0	75	0	150	≤3	21.27	
			1	0	1	74	2	≤8.5	16.36	
			1	74	1	0	2	≤1	22.87	
			64QAM	75	0	75	0	150	≤3	20.20
				1	0	1	74	2	≤8.5	16.31
		256QAM	1	74	1	0	2	≤3	22.61	
			75	0	75	0	150	≤3	19.53	
			1	0	1	74	2	≤8.5	15.82	
40545	40695	QPSK	1	74	1	0	2	≤3	19.35	
			75	0	75	0	150	≤2	21.88	
			1	0	1	74	2	≤8.5	16.25	
		16QAM	1	74	1	0	2	≤0	22.89	
			75	0	75	0	150	≤3	21.14	
			1	0	1	74	2	≤8.5	16.28	
			1	74	1	0	2	≤1	22.86	
			64QAM	75	0	75	0	150	≤3	20.24
				1	0	1	74	2	≤8.5	16.47
		256QAM	1	74	1	0	2	≤3	22.76	
			75	0	75	0	150	≤3	19.42	
			1	0	1	74	2	≤8.5	15.78	
41365	41515	QPSK	1	74	1	0	2	≤3	19.38	
			75	0	75	0	150	≤2	22.10	
			1	0	1	74	2	≤8.5	16.36	
		16QAM	1	74	1	0	2	≤0	22.78	
			75	0	75	0	150	≤3	21.19	
			1	0	1	74	2	≤8.5	16.23	
			1	74	1	0	2	≤1	22.75	
			64QAM	75	0	75	0	150	≤3	20.09
				1	0	1	74	2	≤8.5	16.24
		256QAM	1	74	1	0	2	≤3	22.62	
			75	0	75	0	150	≤3	19.62	
			1	0	1	74	2	≤8.5	15.96	
			1	74	1	0	2	≤3	19.43	



ERP/EIRP

LTE Band 7 (GT - LC = -1.5 dB) QPSK			
Bandwidth	5M		
Channel	20775	21100	21425
	(Low)	(Mid)	(High)
Frequency	2502.5	2535	2567.5
(MHz)			
Conducted Power (dBm)	23.06	23.30	23.05
Conducted Power (Watts)	0.2023	0.2138	0.2018
EIRP(dBm)	21.56	21.80	21.55
EIRP(Watts)	0.1432	0.1514	0.1429

LTE Band 7 (GT - LC = -1.5 dB) QPSK									
Bandwidth	10M			15M			20M		
Channel	20800	21100	21400	20825	21100	21375	20850	21100	21350
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	2505	2535	2565	2507.5	2535	2562.5	2510	2535	2560
(MHz)									
Conducted Power (dBm)	23.15	23.25	23.05	22.99	23.20	22.81	23.15	23.35	23.19
Conducted Power (Watts)	0.2065	0.2113	0.2018	0.1991	0.2089	0.1910	0.2065	0.2163	0.2084
EIRP(dBm)	21.65	21.75	21.55	21.49	21.70	21.31	21.65	21.85	21.69
EIRP(Watts)	0.1462	0.1496	0.1429	0.1409	0.1479	0.1352	0.1462	0.1531	0.1476



LTE Band 7 (GT - LC = -1.5 dB) 16QAM			
Bandwidth	5M		
Channel	20775	21100	21425
	(Low)	(Mid)	(High)
Frequency	2502.5	2535	2567.5
(MHz)			
Conducted Power (dBm)	23.12	23.33	22.96
Conducted Power (Watts)	0.2051	0.2153	0.1977
EIRP(dBm)	21.62	21.83	21.46
EIRP(Watts)	0.1452	0.1524	0.1400

LTE Band 7 (GT - LC = -1.5 dB) 16QAM									
Bandwidth	10M			15M			20M		
Channel	20800	21100	21400	20825	21100	21375	20850	21100	21350
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	2505	2535	2565	2507.5	2535	2562.5	2510	2535	2560
(MHz)									
Conducted Power (dBm)	23.12	23.33	22.88	23.11	23.33	22.85	23.29	23.29	23.02
Conducted Power (Watts)	0.2051	0.2153	0.1941	0.2046	0.2153	0.1928	0.2133	0.2133	0.2004
EIRP(dBm)	21.62	21.83	21.38	21.61	21.83	21.35	21.79	21.79	21.52
EIRP(Watts)	0.1452	0.1524	0.1374	0.1449	0.1524	0.1365	0.1510	0.1510	0.1419



LTE Band 7 (GT - LC = -1.5 dB) 64QAM			
Bandwidth	5M		
Channel	20775	21100	21425
	(Low)	(Mid)	(High)
Frequency	2502.5	2535	2567.5
(MHz)			
Conducted Power (dBm)	22.85	23.19	23.01
Conducted Power (Watts)	0.1928	0.2084	0.2000
EIRP(dBm)	21.35	21.69	21.51
EIRP(Watts)	0.1365	0.1476	0.1416

LTE Band 7 (GT - LC = -1.5 dB) 64QAM									
Bandwidth	10M			15M			20M		
Channel	20800	21100	21400	20825	21100	21375	20850	21100	21350
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	2505	2535	2565	2507.5	2535	2562.5	2510	2535	2560
(MHz)									
Conducted Power (dBm)	22.97	23.07	23.03	22.76	23.20	23.13	22.98	23.20	23.09
Conducted Power (Watts)	0.1982	0.2028	0.2009	0.1888	0.2089	0.2056	0.1986	0.2089	0.2037
EIRP(dBm)	21.47	21.57	21.53	21.26	21.70	21.63	21.48	21.70	21.59
EIRP(Watts)	0.1403	0.1435	0.1422	0.1337	0.1479	0.1455	0.1406	0.1479	0.1442



LTE Band 7 (GT - LC = -1.5 dB) 256QAM			
Bandwidth	5M		
Channel	20775	21100	21425
	(Low)	(Mid)	(High)
Frequency (MHz)	2502.5	2535	2567.5
	Conducted Power (dBm)	19.19	19.36
Conducted Power (Watts)	0.0830	0.0863	0.0861
EIRP(dBm)	17.69	17.86	17.85
EIRP(Watts)	0.0587	0.0611	0.0610

LTE Band 7 (GT - LC = -1.5 dB) 256QAM									
Bandwidth	10M			15M			20M		
Channel	20800	21100	21400	20825	21100	21375	20850	21100	21350
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	2505	2535	2565	2507.5	2535	2562.5	2510	2535	2560
	Conducted Power (dBm)	19.25	19.40	19.30	19.28	19.45	19.42	19.33	19.47
Conducted Power (Watts)	0.0841	0.0871	0.0851	0.0847	0.0881	0.0875	0.0857	0.0885	0.0867
EIRP(dBm)	17.75	17.90	17.80	17.78	17.95	17.92	17.83	17.97	17.88
EIRP(Watts)	0.0596	0.0617	0.0603	0.0600	0.0624	0.0619	0.0607	0.0627	0.0614



LTE Band 12 (GT - LC = -4.5 dB) QPSK									
Bandwidth	1.4M			3M			5M		
Channel	23017	23095	23173	23025	23095	23165	23035	23095	23155
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	699.7	707.5	715.3	700.5	707.5	714.5	701.5	707.5	713.5
Conducted Power (dBm)	23.12	22.99	23.19	23.17	23.21	23.18	22.94	23.23	22.89
Conducted Power (Watts)	0.2051	0.1991	0.2084	0.2075	0.2094	0.2080	0.1968	0.2104	0.1945
ERP(dBm)	16.47	16.34	16.54	16.52	16.56	16.53	16.29	16.58	16.24
ERP(Watts)	0.0444	0.0431	0.0451	0.0449	0.0453	0.0450	0.0426	0.0455	0.0421

LTE Band 12 (GT - LC = -4.5 dB) QPSK			
Bandwidth	10M		
Channel	23060	23095	23130
	(Low)	(Mid)	(High)
Frequency (MHz)	704	707.5	711
Conducted Power (dBm)	23.12	23.25	23.20
Conducted Power (Watts)	0.2051	0.2113	0.2089
ERP(dBm)	16.47	16.60	16.55
ERP(Watts)	0.0444	0.0457	0.0452



LTE Band 12 (GT - LC = -4.5 dB) 16QAM									
Bandwidth	1.4M			3M			5M		
Channel	23017	23095	23173	23025	23095	23165	23035	23095	23155
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	699.7	707.5	715.3	700.5	707.5	714.5	701.5	707.5	713.5
Conducted Power (dBm)	22.86	23.20	22.98	22.65	23.21	22.93	22.93	23.14	22.90
Conducted Power (Watts)	0.1932	0.2089	0.1986	0.1841	0.2094	0.1963	0.1963	0.2061	0.1950
ERP(dBm)	16.21	16.55	16.33	16.00	16.56	16.28	16.28	16.49	16.25
ERP(Watts)	0.0418	0.0452	0.0430	0.0398	0.0453	0.0425	0.0425	0.0446	0.0422

LTE Band 12 (GT - LC = -4.5 dB) 16QAM			
Bandwidth	10M		
Channel	23060	23095	23130
	(Low)	(Mid)	(High)
Frequency (MHz)	704	707.5	711
Conducted Power (dBm)	23.02	23.16	23.12
Conducted Power (Watts)	0.2004	0.2070	0.2051
ERP(dBm)	16.37	16.51	16.47
ERP(Watts)	0.0434	0.0448	0.0444



LTE Band 12 (GT - LC = -4.5 dB) 64QAM									
Bandwidth	1.4M			3M			5M		
Channel	23017	23095	23173	23025	23095	23165	23035	23095	23155
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	699.7	707.5	715.3	700.5	707.5	714.5	701.5	707.5	713.5
Conducted Power (dBm)	22.95	23.10	23.08	22.94	23.11	23.15	23.09	23.09	23.02
Conducted Power (Watts)	0.1972	0.2042	0.2032	0.1968	0.2046	0.2065	0.2037	0.2037	0.2004
ERP(dBm)	16.30	16.45	16.43	16.29	16.46	16.50	16.44	16.44	16.37
ERP(Watts)	0.0427	0.0442	0.0440	0.0426	0.0443	0.0447	0.0441	0.0441	0.0434

LTE Band 12 (GT - LC = -4.5 dB) 64QAM			
Bandwidth	10M		
Channel	23060	23095	23130
	(Low)	(Mid)	(High)
Frequency (MHz)	704	707.5	711
Conducted Power (dBm)	23.01	23.24	23.08
Conducted Power (Watts)	0.2000	0.2109	0.2032
ERP(dBm)	16.36	16.59	16.43
ERP(Watts)	0.0433	0.0456	0.0440



LTE Band 12 (GT - LC = -4.5 dB) 256QAM									
Bandwidth	1.4M			3M			5M		
Channel	23017	23095	23173	23025	23095	23165	23035	23095	23155
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	699.7	707.5	715.3	700.5	707.5	714.5	701.5	707.5	713.5
Conducted Power (dBm)	20.01	20.12	20.13	19.92	20.12	20.10	20.06	20.14	20.12
Conducted Power (Watts)	0.1002	0.1028	0.1030	0.0982	0.1028	0.1023	0.1014	0.1033	0.1028
ERP(dBm)	13.36	13.47	13.48	13.27	13.47	13.45	13.41	13.49	13.47
ERP(Watts)	0.0217	0.0222	0.0223	0.0212	0.0222	0.0221	0.0219	0.0223	0.0222

LTE Band 12 (GT - LC = -4.5 dB) 256QAM			
Bandwidth	10M		
Channel	23060	23095	23130
	(Low)	(Mid)	(High)
Frequency (MHz)	704	707.5	711
Conducted Power (dBm)	20.08	20.24	20.15
Conducted Power (Watts)	0.1019	0.1057	0.1035
ERP(dBm)	13.43	13.59	13.50
ERP(Watts)	0.0220	0.0229	0.0224



LTE Band 13 (GT - LC = -4.7 dB) QPSK						
Bandwidth	5M			10M		
Channel	23205	23230	23255	23230		
	(Low)	(Mid)	(High)	-	(Mid)	-
Frequency	779.5	782	784.5	-	782	-
(MHz)						
Conducted Power (dBm)	22.31	22.55	22.54		22.57	-
Conducted Power (Watts)	0.1702	0.1799	0.1795		0.1807	-
ERP(dBm)	15.46	15.70	15.69		15.72	-
ERP(Watts)	0.0352	0.0372	0.0371		0.0373	-

LTE Band 13 (GT - LC = -4.7 dB) 16QAM						
Bandwidth	5M			10M		
Channel	23205	23230	23255	23230		
	(Low)	(Mid)	(High)	-	(Mid)	-
Frequency	779.5	782	784.5	-	782	-
(MHz)						
Conducted Power (dBm)	22.33	22.46	22.55		22.54	-
Conducted Power (Watts)	0.1710	0.1762	0.1799		0.1795	-
ERP(dBm)	15.48	15.61	15.70		15.69	-
ERP(Watts)	0.0353	0.0364	0.0372		0.0371	-



LTE Band 13 (GT - LC = -4.7 dB) 64QAM						
Bandwidth	5M			10M		
Channel	23205	23230	23255	23230		
	(Low)	(Mid)	(High)	-	(Mid)	-
Frequency	779.5	782	784.5	-	782	-
(MHz)						
Conducted Power (dBm)	22.14	22.42	22.46		22.39	-
Conducted Power (Watts)	0.1637	0.1746	0.1762		0.1734	-
ERP(dBm)	15.29	15.57	15.61		15.54	-
ERP(Watts)	0.0338	0.0361	0.0364		0.0358	-

LTE Band 13 (GT - LC = -4.7 dB) 256QAM						
Bandwidth	5M			10M		
Channel	23205	23230	23255	23230		
	(Low)	(Mid)	(High)	-	(Mid)	-
Frequency	779.5	782	784.5	-	782	-
(MHz)						
Conducted Power (dBm)	19.68	19.79	19.75		19.88	-
Conducted Power (Watts)	0.0929	0.0953	0.0944		0.0973	-
ERP(dBm)	12.83	12.94	12.90		13.03	-
ERP(Watts)	0.0192	0.0197	0.0195		0.0201	-



LTE Band 17 (GT - LC = -4.5 dB) QPSK						
Bandwidth	5M			10M		
Channel	23755	23790	23825	23780	23790	23800
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	706.5	710	713.5	709	710	711
(MHz)						
Conducted Power (dBm)	23.14	23.14	22.85	23.09	23.21	23.03
Conducted Power (Watts)	0.2061	0.2061	0.1928	0.2037	0.2094	0.2009
ERP(dBm)	16.49	16.49	16.20	16.44	16.56	16.38
ERP(Watts)	0.0446	0.0446	0.0417	0.0441	0.0453	0.0435

LTE Band 17 (GT - LC = -4.5 dB) 16QAM						
Bandwidth	5M			10M		
Channel	23755	23790	23825	23780	23790	23800
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	706.5	710	713.5	709	710	711
(MHz)						
Conducted Power (dBm)	23.12	23.03	22.66	23.12	23.16	22.90
Conducted Power (Watts)	0.2051	0.2009	0.1845	0.2051	0.2070	0.1950
ERP(dBm)	16.47	16.38	16.01	16.47	16.51	16.25
ERP(Watts)	0.0444	0.0435	0.0399	0.0444	0.0448	0.0422



LTE Band 17 (GT - LC = -4.5 dB) 64QAM						
Bandwidth	5M			10M		
Channel	23755	23790	23825	23780	23790	23800
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	706.5	710	713.5	709	710	711
(MHz)						
Conducted Power (dBm)	22.86	22.82	22.95	22.84	23.02	23.00
Conducted Power (Watts)	0.1932	0.1914	0.1972	0.1923	0.2004	0.1995
ERP(dBm)	16.21	16.17	16.30	16.19	16.37	16.35
ERP(Watts)	0.0418	0.0414	0.0427	0.0416	0.0434	0.0432

LTE Band 17 (GT - LC = -4.5 dB) 256QAM						
Bandwidth	5M			10M		
Channel	23755	23790	23825	23780	23790	23800
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	706.5	710	713.5	709	710	711
(MHz)						
Conducted Power (dBm)	19.89	20.12	20.06	20.04	20.19	20.19
Conducted Power (Watts)	0.0975	0.1028	0.1014	0.1009	0.1045	0.1045
ERP(dBm)	13.24	13.47	13.41	13.39	13.54	13.54
ERP(Watts)	0.0211	0.0222	0.0219	0.0218	0.0226	0.0226



LTE Band 38 (GT - LC = -1.5 dB) QPSK			
Bandwidth	5M		
Channel	37775	38000	38225
	(Low)	(Mid)	(High)
Frequency	2572.5	2595	2617.5
(MHz)			
Conducted Power (dBm)	22.64	22.94	22.72
Conducted Power (Watts)	0.1837	0.1968	0.1871
EIRP(dBm)	21.14	21.44	21.22
EIRP(Watts)	0.1300	0.1393	0.1324

LTE Band 38 (GT - LC = -1.5 dB) QPSK									
Bandwidth	10M			15M			20M		
Channel	37800	38000	38200	37825	38000	38175	37850	38000	38150
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(Mid)
Frequency	2575	2595	2615	2577.5	2595	2612.5	2580	2595	2610
(MHz)									
Conducted Power (dBm)	22.68	22.92	22.43	22.43	22.92	22.35	22.85	22.97	22.67
Conducted Power (Watts)	0.1854	0.1959	0.1750	0.1750	0.1959	0.1718	0.1928	0.1982	0.1849
EIRP(dBm)	21.18	21.42	20.93	20.93	21.42	20.85	21.35	21.47	21.17
EIRP(Watts)	0.1312	0.1387	0.1239	0.1239	0.1387	0.1216	0.1365	0.1403	0.1309



LTE Band 38 (GT - LC = -1.5 dB) 16QAM			
Bandwidth	5M		
Channel	37775	38000	38225
	(Low)	(Mid)	(High)
Frequency	2572.5	2595	2617.5
(MHz)			
Conducted Power (dBm)	22.91	22.74	22.43
Conducted Power (Watts)	0.1954	0.1879	0.1750
EIRP(dBm)	21.41	21.24	20.93
EIRP(Watts)	0.1384	0.1330	0.1239

LTE Band 38 (GT - LC = -1.5 dB) 16QAM									
Bandwidth	10M			15M			20M		
Channel	37800	38000	38200	37825	38000	38175	37850	38000	38150
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(Mid)
Frequency	2575	2595	2615	2577.5	2595	2612.5	2580	2595	2610
(MHz)									
Conducted Power (dBm)	22.70	22.92	22.08	22.50	22.85	22.34	22.78	22.95	22.34
Conducted Power (Watts)	0.1862	0.1959	0.1614	0.1778	0.1928	0.1714	0.1897	0.1972	0.1714
EIRP(dBm)	21.20	21.42	20.58	21.00	21.35	20.84	21.28	21.45	20.84
EIRP(Watts)	0.1318	0.1387	0.1143	0.1259	0.1365	0.1213	0.1343	0.1396	0.1213



LTE Band 38 (GT - LC = -1.5 dB) 64QAM			
Bandwidth	5M		
Channel	37775	38000	38225
	(Low)	(Mid)	(High)
Frequency (MHz)	2572.5	2595	2617.5
	Conducted Power (dBm)	22.80	22.51
Conducted Power (Watts)	0.1905	0.1782	0.1832
EIRP(dBm)	21.30	21.01	21.13
EIRP(Watts)	0.1349	0.1262	0.1297

LTE Band 38 (GT - LC = -1.5 dB) 64QAM									
Bandwidth	10M			15M			20M		
Channel	37800	38000	38200	37825	38000	38175	37850	38000	38150
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(Mid)
Frequency (MHz)	2575	2595	2615	2577.5	2595	2612.5	2580	2595	2610
	Conducted Power (dBm)	22.62	22.70	22.45	22.61	22.53	22.78	22.88	22.76
Conducted Power (Watts)	0.1828	0.1862	0.1758	0.1824	0.1791	0.1897	0.1941	0.1888	0.1875
EIRP(dBm)	21.12	21.20	20.95	21.11	21.03	21.28	21.38	21.26	21.23
EIRP(Watts)	0.1294	0.1318	0.1245	0.1291	0.1268	0.1343	0.1374	0.1337	0.1327



LTE Band 38 (GT - LC = -1.5 dB) 256QAM			
Bandwidth	5M		
Channel	37775	38000	38225
	(Low)	(Mid)	(High)
Frequency	2572.5	2595	2617.5
(MHz)			
Conducted Power (dBm)	19.13	19.25	19.12
Conducted Power (Watts)	0.0818	0.0841	0.0817
EIRP(dBm)	17.63	17.75	17.62
EIRP(Watts)	0.0579	0.0596	0.0578

LTE Band 38 (GT - LC = -1.5 dB) 256QAM									
Bandwidth	10M			15M			20M		
Channel	37800	38000	38200	37825	38000	38175	37850	38000	38150
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(Mid)
Frequency	2575	2595	2615	2577.5	2595	2612.5	2580	2595	2610
(MHz)									
Conducted Power (dBm)	19.19	19.24	19.20	19.21	19.18	19.14	19.23	19.28	19.25
Conducted Power (Watts)	0.0830	0.0839	0.0832	0.0834	0.0828	0.0820	0.0838	0.0847	0.0841
EIRP(dBm)	17.69	17.74	17.70	17.71	17.68	17.64	17.73	17.78	17.75
EIRP(Watts)	0.0587	0.0594	0.0589	0.0590	0.0586	0.0581	0.0593	0.0600	0.0596



LTE Band 41 (G _T - L _C = -1.2 dB) QPSK									
Bandwidth	5M			10M			15M		
Channel	39675	40620	41565	39700	40620	41540	39725	40620	41515
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	2498.5	2593	2687.5	2501	2593	2685	2503.5	2593	2682.5
Conducted Power (dBm)	24.12	24.58	24.36	24.39	24.36	24.47	24.32	24.60	24.26
Conducted Power (Watts)	0.2582	0.2871	0.2729	0.2748	0.2729	0.2799	0.2704	0.2884	0.2667
EIRP(dBm)	22.92	23.38	23.16	23.19	23.16	23.27	23.12	23.40	23.06
EIRP(Watts)	0.1959	0.2178	0.2070	0.2084	0.2070	0.2123	0.2051	0.2188	0.2023

LTE Band 41 (G _T - L _C = -1.2 dB) QPSK			
Bandwidth	20M		
Channel	39750	40620	41490
	(Low)	(Mid)	(High)
Frequency (MHz)	2506	2593	2680
Conducted Power (dBm)	24.45	24.61	24.42
Conducted Power (Watts)	0.2786	0.2891	0.2767
EIRP(dBm)	23.25	23.41	23.22
EIRP(Watts)	0.2113	0.2193	0.2099



LTE Band 41 (G _T - L _C = -1.2 dB) 16QAM									
Bandwidth	5M			10M			15M		
Channel	39675	40620	41565	39700	40620	41540	39725	40620	41515
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	2498.5	2593	2687.5	2501	2593	2685	2503.5	2593	2682.5
(MHz)									
Conducted Power (dBm)	24.15	24.41	24.11	24.20	24.56	24.35	24.20	24.57	24.52
Conducted Power (Watts)	0.2600	0.2761	0.2576	0.2630	0.2858	0.2723	0.2630	0.2864	0.2831
EIRP(dBm)	22.95	23.21	22.91	23.00	23.36	23.15	23.00	23.37	23.32
EIRP(Watts)	0.1972	0.2094	0.1954	0.1995	0.2168	0.2065	0.1995	0.2173	0.2148

LTE Band 41 (G _T - L _C = -1.2 dB) 16QAM			
Bandwidth	20M		
Channel	39750	40620	41490
	(Low)	(Mid)	(High)
Frequency	2506	2593	2680
(MHz)			
Conducted Power (dBm)	24.39	24.60	24.44
Conducted Power (Watts)	0.2748	0.2884	0.2780
EIRP(dBm)	23.19	23.40	23.24
EIRP(Watts)	0.2084	0.2188	0.2109



LTE Band 41 (G _T - L _C = -1.2 dB) 64QAM									
Bandwidth	5M			10M			15M		
Channel	39675	40620	41565	39700	40620	41540	39725	40620	41515
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	2498.5	2593	2687.5	2501	2593	2685	2503.5	2593	2682.5
(MHz)									
Conducted Power (dBm)	24.17	24.59	24.23	24.41	24.51	24.12	24.19	24.52	24.51
Conducted Power (Watts)	0.2612	0.2877	0.2649	0.2761	0.2825	0.2582	0.2624	0.2831	0.2825
EIRP(dBm)	22.97	23.39	23.03	23.21	23.31	22.92	22.99	23.32	23.31
EIRP(Watts)	0.1982	0.2183	0.2009	0.2094	0.2143	0.1959	0.1991	0.2148	0.2143

LTE Band 41 (G _T - L _C = -1.2 dB) 64QAM			
Bandwidth	20M		
Channel	39750	40620	41490
	(Low)	(Mid)	(High)
Frequency	2506	2593	2680
(MHz)			
Conducted Power (dBm)	24.42	24.55	24.18
Conducted Power (Watts)	0.2767	0.2851	0.2618
EIRP(dBm)	23.22	23.35	22.98
EIRP(Watts)	0.2099	0.2163	0.1986



LTE Band 41 (G _T - L _C = -1.2 dB) 256QAM									
Bandwidth	5M			10M			15M		
Channel	39675	40620	41565	39700	40620	41540	39725	40620	41515
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	2498.5	2593	2687.5	2501	2593	2685	2503.5	2593	2682.5
Conducted Power (dBm)	22.35	22.70	22.59	22.38	22.80	22.47	22.25	22.71	22.56
Conducted Power (Watts)	0.1718	0.1862	0.1816	0.1730	0.1905	0.1766	0.1679	0.1866	0.1803
EIRP(dBm)	21.15	21.50	21.39	21.18	21.60	21.27	21.05	21.51	21.36
EIRP(Watts)	0.1303	0.1413	0.1377	0.1312	0.1445	0.1340	0.1274	0.1416	0.1368

LTE Band 41 (G _T - L _C = -1.2 dB) 256QAM			
Bandwidth	20M		
Channel	39750	40620	41490
	(Low)	(Mid)	(High)
Frequency (MHz)	2506	2593	2680
Conducted Power (dBm)	22.60	22.75	22.61
Conducted Power (Watts)	0.1820	0.1884	0.1824
EIRP(dBm)	21.40	21.55	21.41
EIRP(Watts)	0.1380	0.1429	0.1384



LTE Band 71 (GT - LC = -4.8 dB) QPSK									
Bandwidth	5M			10M			15M		
Channel	133147	133297	133447	133172	133297	133422	133197	133297	133397
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	665.5	680.5	695.5	668	680.5	693	670.5	680.5	690.5
(MHz)									
Conducted Power (dBm)	23.09	23.21	23.23	23.21	23.09	23.24	23.21	22.98	23.14
Conducted Power (Watts)	0.2037	0.2094	0.2104	0.2094	0.2037	0.2109	0.2094	0.1986	0.2061
ERP(dBm)	16.14	16.26	16.28	16.26	16.14	16.29	16.26	16.03	16.19
ERP(Watts)	0.0411	0.0423	0.0425	0.0423	0.0411	0.0426	0.0423	0.0401	0.0416

LTE Band 71 (GT - LC = -4.8 dB) QPSK			
Bandwidth	20M		
Channel	133222	133297	133372
	(Low)	(Mid)	(High)
Frequency	673	680.5	688
(MHz)			
Conducted Power (dBm)	23.23	23.25	23.21
Conducted Power (Watts)	0.2104	0.2113	0.2094
ERP(dBm)	16.28	16.30	16.26
ERP(Watts)	0.0425	0.0427	0.0423



LTE Band 71 (GT - LC = -4.8 dB) 16QAM									
Bandwidth	5M			10M			15M		
Channel	133147	133297	133447	133172	133297	133422	133197	133297	133397
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	665.5	680.5	695.5	668	680.5	693	670.5	680.5	690.5
(MHz)									
Conducted Power (dBm)	23.07	22.90	23.22	23.09	22.73	23.21	22.80	23.00	23.11
Conducted Power (Watts)	0.2028	0.1950	0.2099	0.2037	0.1875	0.2094	0.1905	0.1995	0.2046
ERP(dBm)	16.12	15.95	16.27	16.14	15.78	16.26	15.85	16.05	16.16
ERP(Watts)	0.0409	0.0394	0.0424	0.0411	0.0378	0.0423	0.0385	0.0403	0.0413

LTE Band 71 (GT - LC = -4.8 dB) 16QAM			
Bandwidth	20M		
Channel	133222	133297	133372
	(Low)	(Mid)	(High)
Frequency	673	680.5	688
(MHz)			
Conducted Power (dBm)	23.21	22.99	23.17
Conducted Power (Watts)	0.2094	0.1991	0.2075
ERP(dBm)	16.26	16.04	16.22
ERP(Watts)	0.0423	0.0402	0.0419



LTE Band 71 (GT - LC = -4.8 dB) 64QAM									
Bandwidth	5M			10M			15M		
Channel	133147	133297	133447	133172	133297	133422	133197	133297	133397
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	665.5	680.5	695.5	668	680.5	693	670.5	680.5	690.5
(MHz)									
Conducted Power (dBm)	22.13	22.24	22.36	22.00	22.36	22.21	22.03	22.11	22.27
Conducted Power (Watts)	0.1633	0.1675	0.1722	0.1585	0.1722	0.1663	0.1596	0.1626	0.1687
ERP(dBm)	15.18	15.29	15.41	15.05	15.41	15.26	15.08	15.16	15.32
ERP(Watts)	0.0330	0.0338	0.0348	0.0320	0.0348	0.0336	0.0322	0.0328	0.0340

LTE Band 71 (GT - LC = -4.8 dB) 64QAM			
Bandwidth	20M		
Channel	133222	133297	133372
	(Low)	(Mid)	(High)
Frequency	673	680.5	688
(MHz)			
Conducted Power (dBm)	22.13	22.28	22.42
Conducted Power (Watts)	0.1633	0.1690	0.1746
ERP(dBm)	15.18	15.33	15.47
ERP(Watts)	0.0330	0.0341	0.0352



LTE Band 71 (GT - LC = -4.8 dB) 256QAM									
Bandwidth	5M			10M			15M		
Channel	133147	133297	133447	133172	133297	133422	133197	133297	133397
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	665.5	680.5	695.5	668	680.5	693	670.5	680.5	690.5
(MHz)									
Conducted Power (dBm)	18.31	18.60	18.57	18.52	18.38	18.61	18.31	18.62	18.55
Conducted Power (Watts)	0.0678	0.0724	0.0719	0.0711	0.0689	0.0726	0.0678	0.0728	0.0716
ERP(dBm)	11.36	11.65	11.62	11.57	11.43	11.66	11.36	11.67	11.60
ERP(Watts)	0.0137	0.0146	0.0145	0.0144	0.0139	0.0147	0.0137	0.0147	0.0145

LTE Band 71 (GT - LC = -4.8 dB) 256QAM			
Bandwidth	20M		
Channel	133222	133297	133372
	(Low)	(Mid)	(High)
Frequency	673	680.5	688
(MHz)			
Conducted Power (dBm)	18.57	18.66	18.55
Conducted Power (Watts)	0.0719	0.0735	0.0716
ERP(dBm)	11.62	11.71	11.60
ERP(Watts)	0.0145	0.0148	0.0145



ERP/EIRP

LTE Band 7 CA (GT - LC = -1.5 dB) QPSK									
Bandwidth	15M + 15M			10M + 20M			20M+10M		
Channel PCC	20825	21025	21225	20805	21006	21206	20850	21051	21251
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	20975	21175	21375	20949	21150	21350	20994	21195	21395
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	22.5900	22.4800	22.4800	22.6000	22.6400	22.7000	22.6300	22.7800	22.6500
Conducted Power (Watts)	0.1816	0.1770	0.1770	0.1820	0.1837	0.1862	0.1832	0.1897	0.1841
EIRP(dBm)	21.0900	20.9800	20.9800	21.1000	21.1400	21.2000	21.1300	21.2800	21.1500
EIRP(Watts)	0.1285	0.1253	0.1253	0.1288	0.1300	0.1318	0.1297	0.1343	0.1303

LTE Band 7 CA (GT - LC = -1.5 dB) QPSK									
Bandwidth	15M+20M			20M+15M			20M + 20M		
Channel PCC	20828	21003	21179	20850	21026	21201	20850	21001	21152
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	20999	21174	21350	21021	21197	21372	21048	21199	21350
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	22.6000	22.4300	22.4200	22.7200	22.6200	22.5900	23.1600	23.3400	23.2100
Conducted Power (Watts)	0.1820	0.1750	0.1746	0.1871	0.1828	0.1816	0.2070	0.2158	0.2094
EIRP(dBm)	21.1000	20.9300	20.9200	21.2200	21.1200	21.0900	21.6600	21.8400	21.7100
EIRP(Watts)	0.1288	0.1239	0.1236	0.1324	0.1294	0.1285	0.1466	0.1528	0.1483



LTE Band 7 CA (GT - LC = -1.5 dB) QPSK			
Bandwidth	15M + 10M		
Channel PCC	20825	21025	21225
	(Low)	(Mid)	(High)
Channel SCC	20975	21175	21375
	(Low)	(Mid)	(High)
Conducted Power (dBm)	22.3800	22.4300	22.2700
Conducted Power (Watts)	0.1730	0.1750	0.1687
EIRP(dBm)	20.8800	20.9300	20.7700
EIRP(Watts)	0.1225	0.1239	0.1194

LTE Band 7 CA (GT - LC = -1.5 dB) 16QAM									
Bandwidth	15M + 15M			10M + 20M			20M+10M		
Channel PCC	20825	21025	21225	20805	21006	21206	20850	21051	21251
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	20975	21175	21375	20949	21150	21350	20994	21195	21395
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.0700	23.1400	23.0100	22.9500	22.7900	22.9000	23.0400	22.9900	22.8900
Conducted Power (Watts)	0.2028	0.2061	0.2000	0.1972	0.1901	0.1950	0.2014	0.1991	0.1945
EIRP(dBm)	21.5700	21.6400	21.5100	21.4500	21.2900	21.4000	21.5400	21.4900	21.3900
EIRP(Watts)	0.1435	0.1459	0.1416	0.1396	0.1346	0.1380	0.1426	0.1409	0.1377



LTE Band 7 CA (GT - LC = -1.5 dB) 16QAM									
Bandwidth	15M+20M			20M+15M			20M + 20M		
Channel PCC	20828	21003	21179	20850	21026	21201	20850	21001	21152
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	20999	21174	21350	21021	21197	21372	21048	21199	21350
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.0900	23.0200	23.0200	23.2500	23.0900	23.1200	23.3200	23.2700	23.2800
Conducted Power (Watts)	0.2037	0.2004	0.2004	0.2113	0.2037	0.2051	0.2148	0.2123	0.2128
EIRP(dBm)	21.5900	21.5200	21.5200	21.7500	21.5900	21.6200	21.8200	21.7700	21.7800
EIRP(Watts)	0.1442	0.1419	0.1419	0.1496	0.1442	0.1452	0.1521	0.1503	0.1507

LTE Band 7 CA (GT - LC = -1.5 dB) 16QAM			
Bandwidth	15M + 10M		
Channel PCC	20825	21025	21225
	(Low)	(Mid)	(High)
Channel SCC	20975	21175	21375
	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.1200	23.0700	23.1700
Conducted Power (Watts)	0.2051	0.2028	0.2075
EIRP(dBm)	21.6200	21.5700	21.6700
EIRP(Watts)	0.1452	0.1435	0.1469



LTE Band 7 CA (GT - LC = -1.5 dB) 64QAM									
Bandwidth	15M + 15M			10M + 20M			20M+10M		
Channel PCC	20825	21025	21225	20805	21006	21206	20850	21051	21251
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	20975	21175	21375	20949	21150	21350	20994	21195	21395
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	19.8300	19.8900	19.9900	19.5400	19.6400	19.4800	19.6900	19.6300	19.6200
Conducted Power (Watts)	0.0962	0.0975	0.0998	0.0899	0.0920	0.0887	0.0931	0.0918	0.0916
EIRP(dBm)	18.3300	18.3900	18.4900	18.0400	18.1400	17.9800	18.1900	18.1300	18.1200
EIRP(Watts)	0.0681	0.0690	0.0706	0.0637	0.0652	0.0628	0.0659	0.0650	0.0649

LTE Band 7 CA (GT - LC = -1.5 dB) 64QAM									
Bandwidth	15M+20M			20M+15M			20M + 20M		
Channel PCC	20828	21003	21179	20850	21026	21201	20850	21001	21152
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	20999	21174	21350	21021	21197	21372	21048	21199	21350
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	21.9200	21.9500	22.0500	21.8800	22.0500	21.9000	19.6100	19.4800	19.8500
Conducted Power (Watts)	0.1556	0.1567	0.1603	0.1542	0.1603	0.1549	0.0914	0.0887	0.0966
EIRP(dBm)	20.4200	20.4500	20.5500	20.3800	20.5500	20.4000	18.1100	17.9800	18.3500
EIRP(Watts)	0.1102	0.1109	0.1135	0.1091	0.1135	0.1096	0.0647	0.0628	0.0684



LTE Band 7 CA (GT - LC = -1.5 dB) 64QAM			
Bandwidth	15M + 10M		
Channel PCC	20825	21025	21225
	(Low)	(Mid)	(High)
Channel SCC	20975	21175	21375
	(Low)	(Mid)	(High)
Conducted Power (dBm)	19.8300	19.7100	19.5300
Conducted Power (Watts)	0.0962	0.0935	0.0897
EIRP(dBm)	18.3300	18.2100	18.0300
EIRP(Watts)	0.0681	0.0662	0.0635

LTE Band 7 CA (GT - LC = -1.5 dB) 256QAM									
Bandwidth	15M + 15M			10M + 20M			20M+10M		
Channel PCC	20825	21025	21225	20805	21006	21206	20850	21051	21251
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	20975	21175	21375	20949	21150	21350	20994	21195	21395
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	19.4500	19.3000	19.4000	18.4500	18.4100	18.4900	18.3900	18.5300	18.5300
Conducted Power (Watts)	0.0881	0.0851	0.0871	0.0700	0.0693	0.0706	0.0690	0.0713	0.0713
EIRP(dBm)	17.9500	17.8000	17.9000	16.9500	16.9100	16.9900	16.8900	17.0300	17.0300
EIRP(Watts)	0.0624	0.0603	0.0617	0.0495	0.0491	0.0500	0.0489	0.0505	0.0505



LTE Band 7 CA (GT - LC = -1.5 dB) 256QAM									
Bandwidth	15M+20M			20M+15M			20M + 20M		
Channel PCC	20828	21003	21179	20850	21026	21201	20850	21001	21152
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	20999	21174	21350	21021	21197	21372	21048	21199	21350
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	19.2100	19.3400	19.3200	19.2300	19.3700	19.3600	18.7400	18.5700	18.7900
Conducted Power (Watts)	0.0834	0.0859	0.0855	0.0838	0.0865	0.0863	0.0748	0.0719	0.0757
EIRP(dBm)	17.7100	17.8400	17.8200	17.7300	17.8700	17.8600	17.2400	17.0700	17.2900
EIRP(Watts)	0.0590	0.0608	0.0605	0.0593	0.0612	0.0611	0.0530	0.0509	0.0536

LTE Band 7 CA (GT - LC = -1.5 dB) 256QAM			
Bandwidth	15M + 10M		
Channel PCC	20825	21025	21225
	(Low)	(Mid)	(High)
Channel SCC	20975	21175	21375
	(Low)	(Mid)	(High)
Conducted Power (dBm)	19.3000	19.1400	19.0400
Conducted Power (Watts)	0.0851	0.0820	0.0802
EIRP(dBm)	17.8000	17.6400	17.5400
EIRP(Watts)	0.0603	0.0581	0.0568



LTE Band 41 CA (GT - LC = -1.2 dB) QPSK									
Bandwidth	15M + 15M			5M + 20M			20M + 5M		
Channel PCC	39725	40545	41365	39683	40528	41373	39750	40595	41440
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39875	40695	41515	39800	40645	41490	39867	40712	41557
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	22.8300	22.8900	22.7800	22.8400	22.8400	22.8900	22.8200	22.9300	22.9000
Conducted Power (Watts)	0.1919	0.1945	0.1897	0.1923	0.1923	0.1945	0.1914	0.1963	0.1950
EIRP(dBm)	21.6300	21.6900	21.5800	21.6400	21.6400	21.6900	21.6200	21.7300	21.7000
EIRP(Watts)	0.1455	0.1476	0.1439	0.1459	0.1459	0.1476	0.1452	0.1489	0.1479

LTE Band 41 CA (GT - LC = -1.2 dB) QPSK									
Bandwidth	10M + 20M			20M + 10M			15M + 20M		
Channel PCC	39705	40526	41346	39750	40571	41391	39728	40523	41319
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39849	40670	41490	39894	40715	41535	39899	40694	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	22.9000	22.9800	22.9000	22.7900	22.8300	22.7900	22.8800	22.8200	22.9300
Conducted Power (Watts)	0.1950	0.1986	0.1950	0.1901	0.1919	0.1901	0.1941	0.1914	0.1963
EIRP(dBm)	21.7000	21.7800	21.7000	21.5900	21.6300	21.5900	21.6800	21.6200	21.7300
EIRP(Watts)	0.1479	0.1507	0.1479	0.1442	0.1455	0.1442	0.1472	0.1452	0.1489



LTE Band 41 CA (GT - LC = -1.2 dB) QPSK						
Bandwidth	20M+15M			20M+20M		
Channel PCC	39750	40546	41341	39750	40521	41292
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39921	40717	41512	39948	40719	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	22.9100	22.9700	22.8500	23.0000	22.9600	22.8400
Conducted Power (Watts)	0.1954	0.1982	0.1928	0.1995	0.1977	0.1923
EIRP(dBm)	21.7100	21.7700	21.6500	21.8000	21.7600	21.6400
EIRP(Watts)	0.1483	0.1503	0.1462	0.1514	0.1500	0.1459

LTE Band 41 CA (GT - LC = -1.2 dB) QPSK						
Bandwidth	15M+10M			10M+15M		
Channel PCC	39725	40571	41417	39703	40549	41395
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39845	40691	41537	39823	40669	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	22.8700	22.7000	22.9200	22.8100	22.8300	22.8000
Conducted Power (Watts)	0.1936	0.1862	0.1959	0.1910	0.1919	0.1905
EIRP(dBm)	21.6700	21.5000	21.7200	21.6100	21.6300	21.6000
EIRP(Watts)	0.1469	0.1413	0.1486	0.1449	0.1455	0.1445



LTE Band 41 CA (GT - LC = -1.2 dB) 16QAM									
Bandwidth	15M + 15M			5M + 20M			20M + 5M		
Channel PCC	39725	40545	41365	39683	40528	41373	39750	40595	41440
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39875	40695	41515	39800	40645	41490	39867	40712	41557
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	22.8700	22.8600	22.7500	22.0500	21.9600	21.9500	22.9500	22.7800	22.7700
Conducted Power (Watts)	0.1936	0.1932	0.1884	0.1603	0.1570	0.1567	0.1972	0.1897	0.1892
EIRP(dBm)	21.6700	21.6600	21.5500	20.8500	20.7600	20.7500	21.7500	21.5800	21.5700
EIRP(Watts)	0.1469	0.1466	0.1429	0.1216	0.1191	0.1189	0.1496	0.1439	0.1435

LTE Band 41 CA (GT - LC = -1.2 dB) 16QAM									
Bandwidth	10M + 20M			20M + 10M			15M + 20M		
Channel PCC	39705	40526	41346	39750	40571	41391	39728	40523	41319
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39849	40670	41490	39894	40715	41535	39899	40694	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	22.9600	22.8300	22.7900	22.9700	22.8400	22.8800	22.9600	22.8100	22.8900
Conducted Power (Watts)	0.1977	0.1919	0.1901	0.1982	0.1923	0.1941	0.1977	0.1910	0.1945
EIRP(dBm)	21.7600	21.6300	21.5900	21.7700	21.6400	21.6800	21.7600	21.6100	21.6900
EIRP(Watts)	0.1500	0.1455	0.1442	0.1503	0.1459	0.1472	0.1500	0.1449	0.1476



LTE Band 41 CA (GT - LC = -1.2 dB) 16QAM						
Bandwidth	20M+15M			20M+20M		
Channel PCC	39750	40546	41341	39750	40521	41292
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39921	40717	41512	39948	40719	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	22.9500	22.8000	22.7700	22.9600	22.9700	22.7900
Conducted Power (Watts)	0.1972	0.1905	0.1892	0.1977	0.1982	0.1901
EIRP(dBm)	21.7500	21.6000	21.5700	21.7600	21.7700	21.5900
EIRP(Watts)	0.1496	0.1445	0.1435	0.1500	0.1503	0.1442

LTE Band 41 CA (GT - LC = -1.2 dB) 16QAM						
Bandwidth	15M+10M			10M+15M		
Channel PCC	39725	40571	41417	39703	40549	41395
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39845	40691	41537	39823	40669	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	21.9200	21.8700	21.8700	21.7600	21.8900	21.9800
Conducted Power (Watts)	0.1556	0.1538	0.1538	0.1500	0.1545	0.1578
EIRP(dBm)	20.7200	20.6700	20.6700	20.5600	20.6900	20.7800
EIRP(Watts)	0.1180	0.1167	0.1167	0.1138	0.1172	0.1197



LTE Band 41 CA (GT - LC = -1.2 dB) 64QAM									
Bandwidth	15M + 15M			5M + 20M			20M + 5M		
Channel PCC	39725	40545	41365	39683	40528	41373	39750	40595	41440
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39875	40695	41515	39800	40645	41490	39867	40712	41557
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	22.6100	22.7600	22.6200	22.8200	22.9900	22.9100	22.8400	22.9300	22.8100
Conducted Power (Watts)	0.1824	0.1888	0.1828	0.1914	0.1991	0.1954	0.1923	0.1963	0.1910
EIRP(dBm)	21.4100	21.5600	21.4200	21.6200	21.7900	21.7100	21.6400	21.7300	21.6100
EIRP(Watts)	0.1384	0.1432	0.1387	0.1452	0.1510	0.1483	0.1459	0.1489	0.1449

LTE Band 41 CA (GT - LC = -1.2 dB) 64QAM									
Bandwidth	10M + 20M			20M + 10M			15M + 20M		
Channel PCC	39705	40526	41346	39750	40571	41391	39728	40523	41319
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39849	40670	41490	39894	40715	41535	39899	40694	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	22.8100	22.9600	22.7800	22.8700	22.9800	22.8700	22.8700	22.9500	22.8700
Conducted Power (Watts)	0.1910	0.1977	0.1897	0.1936	0.1986	0.1936	0.1936	0.1972	0.1936
EIRP(dBm)	21.6100	21.7600	21.5800	21.6700	21.7800	21.6700	21.6700	21.7500	21.6700
EIRP(Watts)	0.1449	0.1500	0.1439	0.1469	0.1507	0.1469	0.1469	0.1496	0.1469



LTE Band 41 CA (GT - LC = -1.2 dB) 64QAM						
Bandwidth	20M+15M			20M+20M		
Channel PCC	39750	40546	41341	39750	40521	41292
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39921	40717	41512	39948	40719	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	22.9100	22.9700	22.8700	22.8400	22.9500	22.6900
Conducted Power (Watts)	0.1954	0.1982	0.1936	0.1923	0.1972	0.1858
EIRP(dBm)	21.7100	21.7700	21.6700	21.6400	21.7500	21.4900
EIRP(Watts)	0.1483	0.1503	0.1469	0.1459	0.1496	0.1409

LTE Band 41 CA (GT - LC = -1.2 dB) 64QAM						
Bandwidth	15M+10M			10M+15M		
Channel PCC	39725	40571	41417	39703	40549	41395
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39845	40691	41537	39823	40669	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	22.9000	22.9500	22.7100	22.7800	22.7400	22.7000
Conducted Power (Watts)	0.1950	0.1972	0.1866	0.1897	0.1879	0.1862
EIRP(dBm)	21.7000	21.7500	21.5100	21.5800	21.5400	21.5000
EIRP(Watts)	0.1479	0.1496	0.1416	0.1439	0.1426	0.1413



LTE Band 41 CA (GT - LC = -1.2 dB) 256QAM									
Bandwidth	15M + 15M			5M + 20M			20M + 5M		
Channel PCC	39725	40545	41365	39683	40528	41373	39750	40595	41440
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39875	40695	41515	39800	40645	41490	39867	40712	41557
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	19.5300	19.4200	19.6200	19.9500	19.9200	20.0100	20.0700	20.0100	20.0700
Conducted Power (Watts)	0.0897	0.0875	0.0916	0.0989	0.0982	0.1002	0.1016	0.1002	0.1016
EIRP(dBm)	18.3300	18.2200	18.4200	18.7500	18.7200	18.8100	18.8700	18.8100	18.8700
EIRP(Watts)	0.0681	0.0664	0.0695	0.0750	0.0745	0.0760	0.0771	0.0760	0.0771

LTE Band 41 CA (GT - LC = -1.2 dB) 256QAM									
Bandwidth	10M + 20M			20M + 10M			15M + 20M		
Channel PCC	39705	40526	41346	39750	40571	41391	39728	40523	41319
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39849	40670	41490	39894	40715	41535	39899	40694	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	19.8600	19.9400	20.0100	19.8600	19.9600	19.9300	19.7500	19.6700	19.7900
Conducted Power (Watts)	0.0968	0.0986	0.1002	0.0968	0.0991	0.0984	0.0944	0.0927	0.0953
EIRP(dBm)	18.6600	18.7400	18.8100	18.6600	18.7600	18.7300	18.5500	18.4700	18.5900
EIRP(Watts)	0.0735	0.0748	0.0760	0.0735	0.0752	0.0746	0.0716	0.0703	0.0723



LTE Band 41 CA (GT - LC = -1.2 dB) 256QAM						
Bandwidth	20M+15M			20M+20M		
Channel PCC	39750	40546	41341	39750	40521	41292
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39921	40717	41512	39948	40719	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	19.9100	19.8800	19.9900	19.9100	19.8900	19.7800
Conducted Power (Watts)	0.0979	0.0973	0.0998	0.0979	0.0975	0.0951
EIRP(dBm)	18.7100	18.6800	18.7900	18.7100	18.6900	18.5800
EIRP(Watts)	0.0743	0.0738	0.0757	0.0743	0.0740	0.0721

LTE Band 41 CA (GT - LC = -1.2 dB) 256QAM						
Bandwidth	15M+10M			10M+15M		
Channel PCC	39725	40571	41417	39703	40549	41395
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	39845	40691	41537	39823	40669	41490
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	19.8800	19.7900	20.0500	20.0400	19.9700	19.9100
Conducted Power (Watts)	0.0973	0.0953	0.1012	0.1009	0.0993	0.0979
EIRP(dBm)	18.6800	18.5900	18.8500	18.8400	18.7700	18.7100
EIRP(Watts)	0.0738	0.0723	0.0767	0.0766	0.0753	0.0743



LTE Band 7

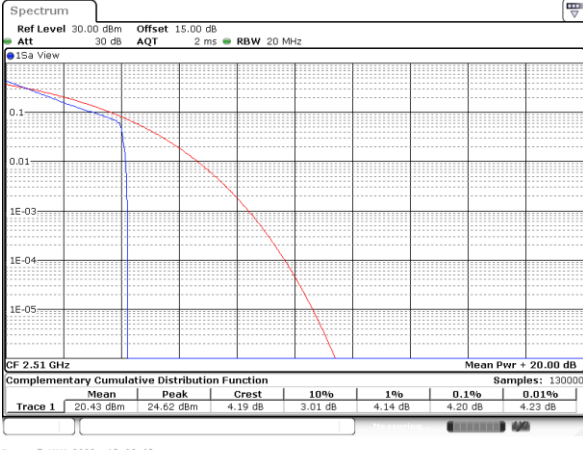
Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.20	4.67	4.99	5.68	PASS
Middle CH	3.59	4.55	4.43	5.80	
Highest CH	3.62	4.72	4.49	5.77	
Mode	LTE Band 7 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	4.99	5.68	-	-	PASS
Middle CH	4.41	5.83	-	-	
Highest CH	4.46	5.77	-	-	



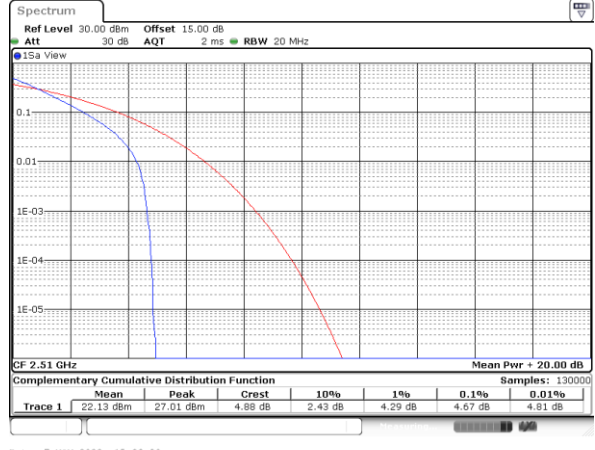
LTE Band 7 / 20MHz / QPSK

Lowest Channel / 1RB



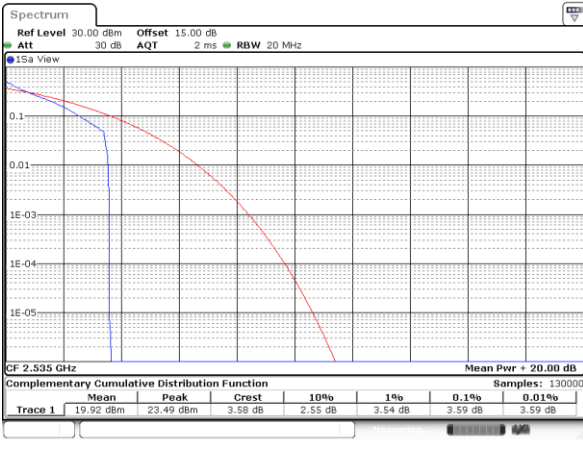
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Lowest Channel / Full RB



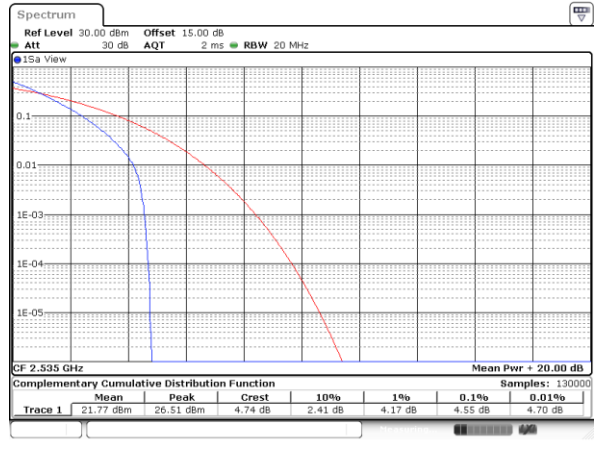
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Middle Channel / 1RB



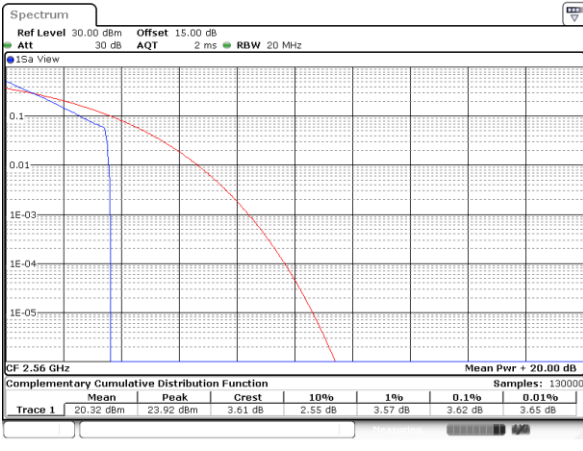
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Middle Channel / Full RB



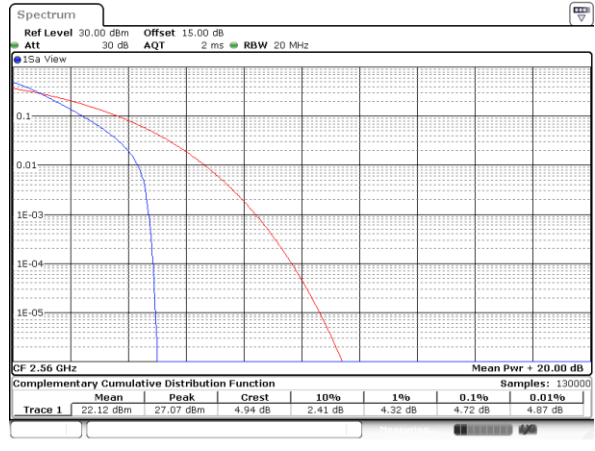
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Highest Channel / 1RB



Date: 7,NOV,2022 15:29:46

Highest Channel / Full RB

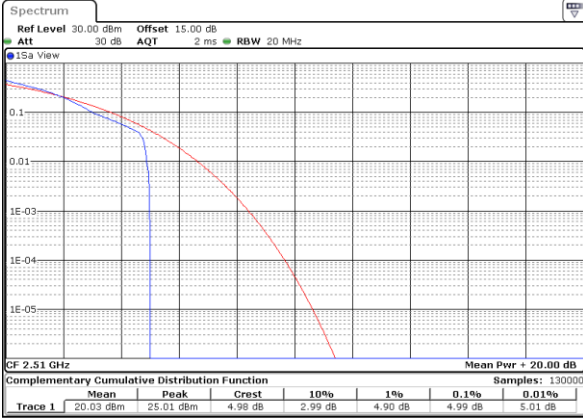


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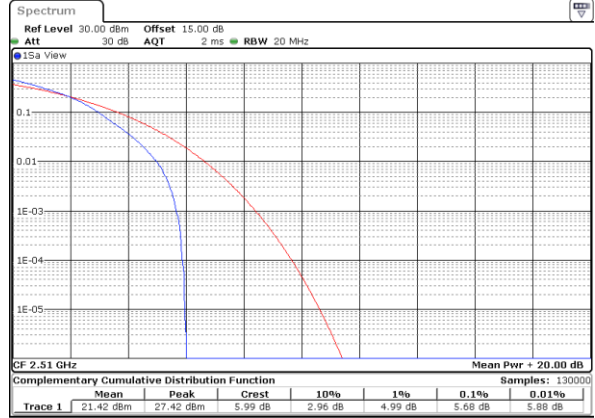
LTE Band 7 / 20MHz / 16QAM

Lowest Channel / 1RB



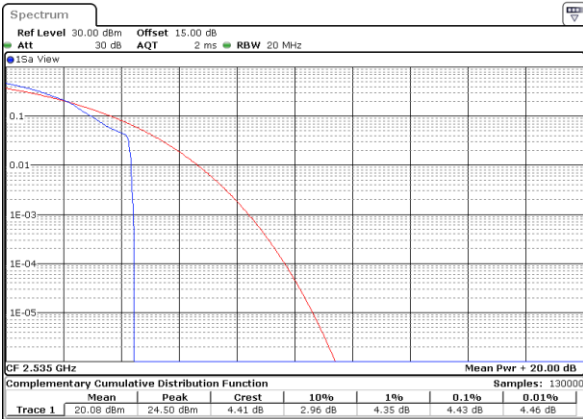
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Lowest Channel / Full RB



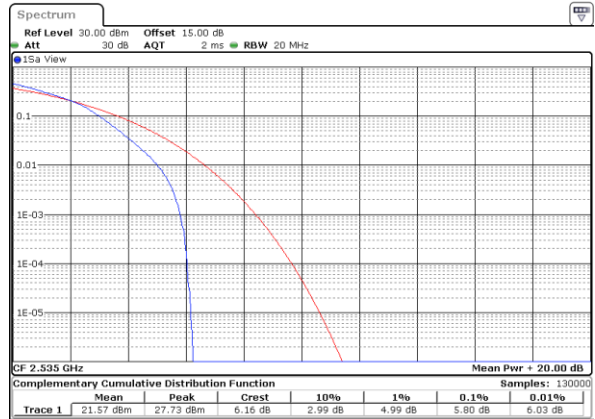
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Middle Channel / 1RB



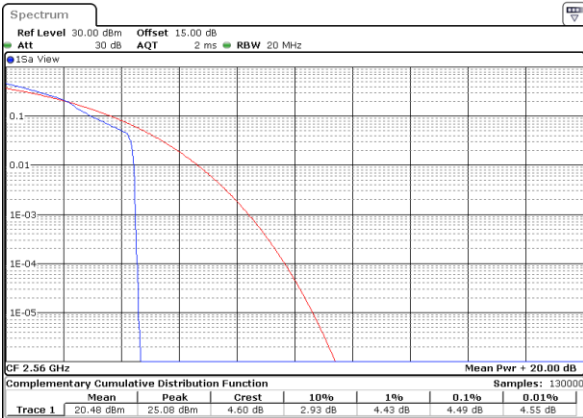
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Middle Channel / Full RB



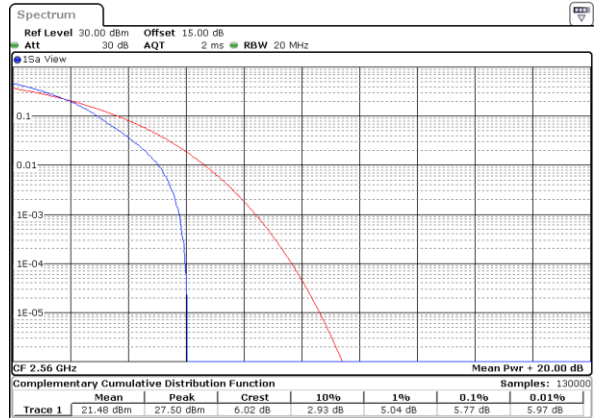
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Highest Channel / 1RB



Date: 7,NOV,2022 15:27:14

Highest Channel / Full RB

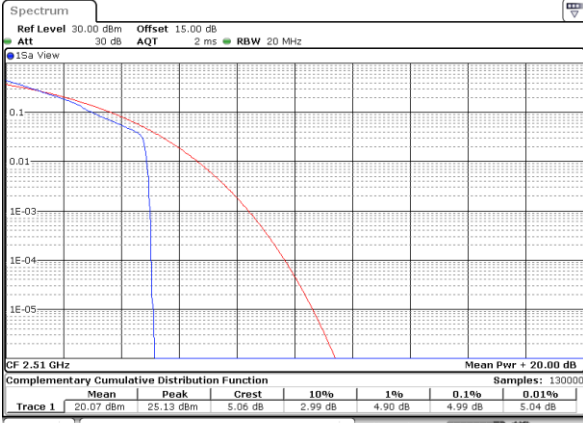


Date: 7,NOV,2022 15:27:39



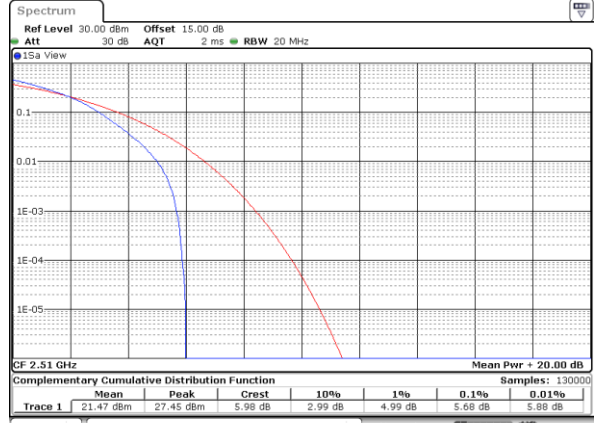
LTE Band 7 / 20MHz / 64QAM

Lowest Channel / 1RB



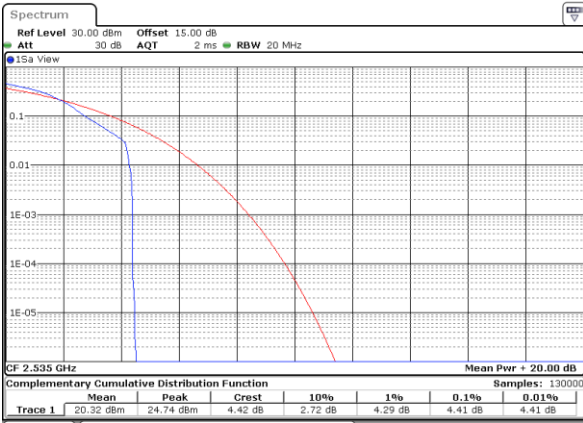
Date: 7,NOV,2022 15:30:38

Lowest Channel / Full RB



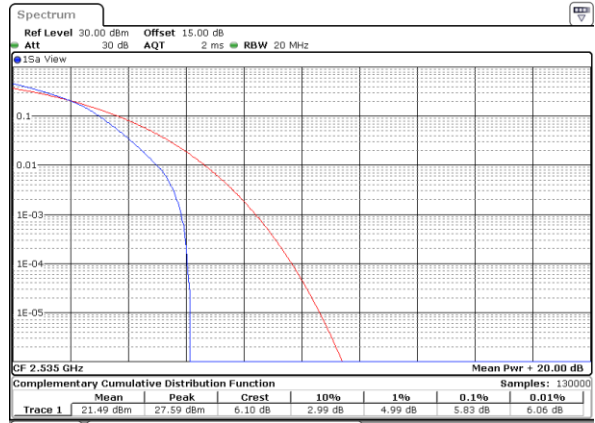
Date: 7,NOV,2022 15:31:03

Middle Channel / 1RB



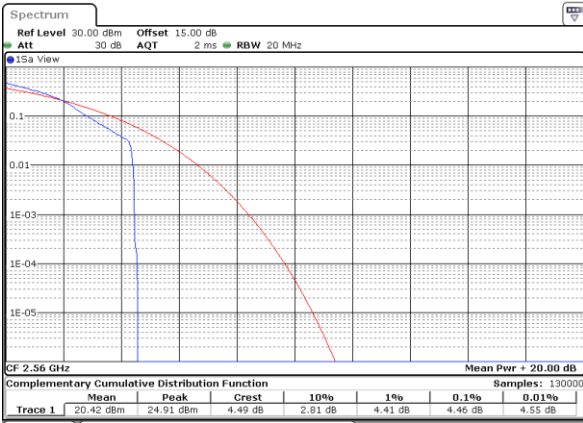
Date: 7,NOV,2022 15:31:29

Middle Channel / Full RB



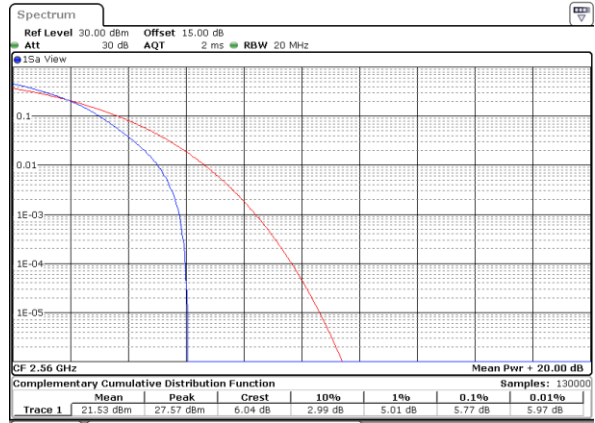
Date: 7,NOV,2022 15:31:54

Highest Channel / 1RB



Date: 7,NOV,2022 15:32:19

Highest Channel / Full RB



Date: 7,NOV,2022 15:32:44



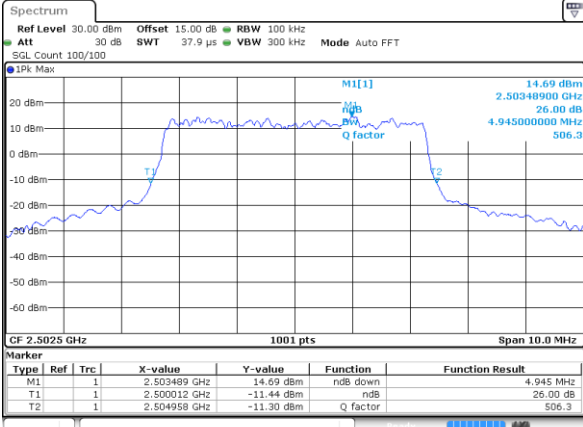
26dB Bandwidth

Mode	LTE Band 7 : 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	-	-	-	-	4.95	4.94	9.87	10.19	14.48	14.18	19.06	18.90
Middle CH	-	-	-	-	5.07	4.99	9.95	9.91	14.39	14.24	19.26	19.02
Highest CH	-	-	-	-	4.99	5.12	9.97	9.99	14.39	14.27	18.70	19.02
Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	5.11	-	10.01	-	14.57	-	18.90	-
Middle CH	-	-	-	-	5.07	-	10.05	-	14.81	-	19.06	-
Highest CH	-	-	-	-	5.03	-	9.97	-	14.57	-	18.66	-



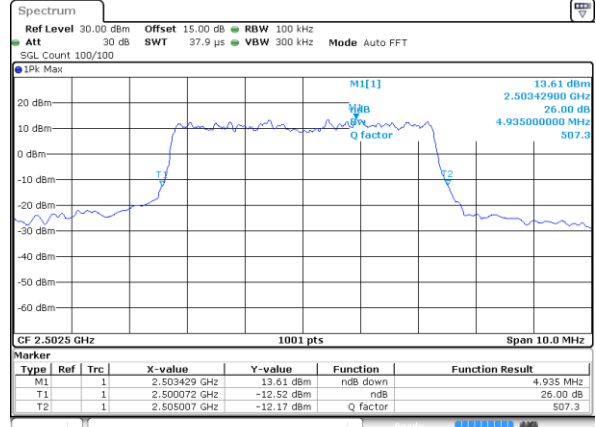
LTE Band 7

Lowest Channel / 5MHz / QPSK



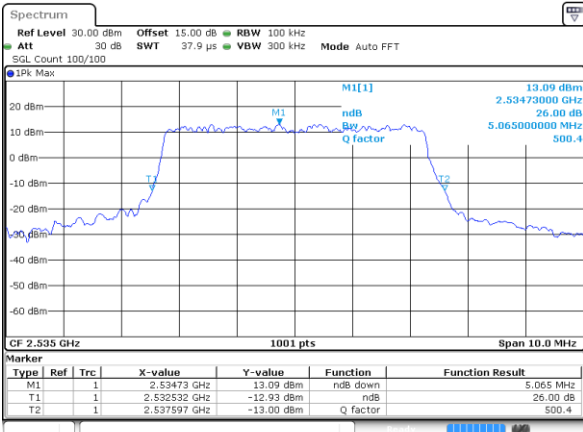
Date: 25.OCT.2022 17:47:36

Lowest Channel / 5MHz / 16QAM



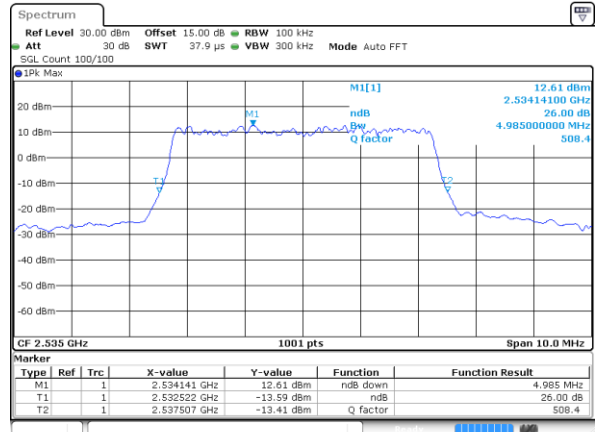
Date: 25.OCT.2022 17:48:00

Middle Channel / 5MHz / QPSK



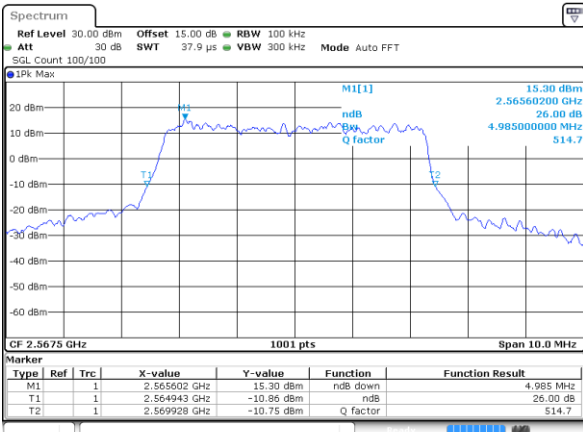
Date: 25.OCT.2022 17:56:57

Middle Channel / 5MHz / 16QAM



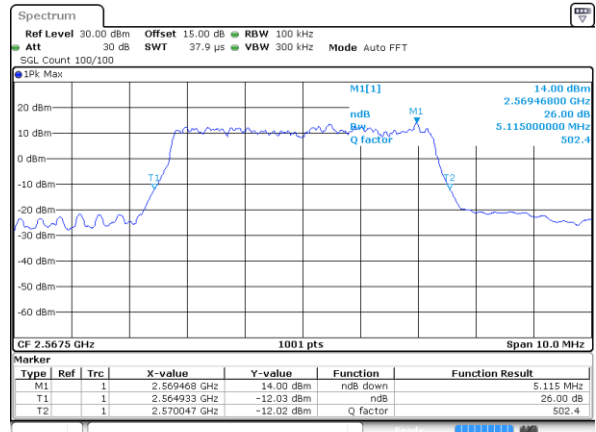
Date: 25.OCT.2022 17:57:20

Highest Channel / 5MHz / QPSK



Date: 25.OCT.2022 18:01:05

Highest Channel / 5MHz / 16QAM

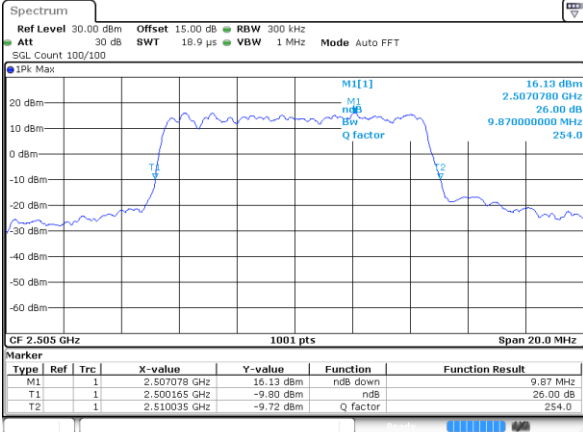


Date: 25.OCT.2022 18:01:29



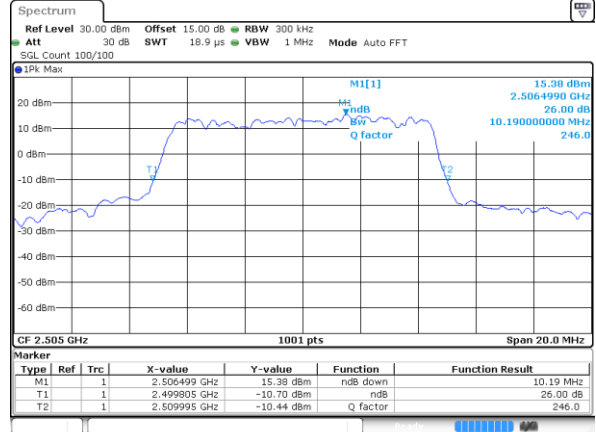
LTE Band 7

Lowest Channel / 10MHz / QPSK



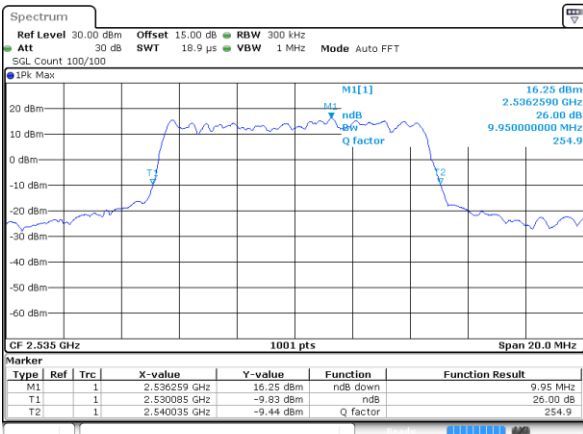
Date: 25.OCT.2022 18:21:25

Lowest Channel / 10MHz / 16QAM



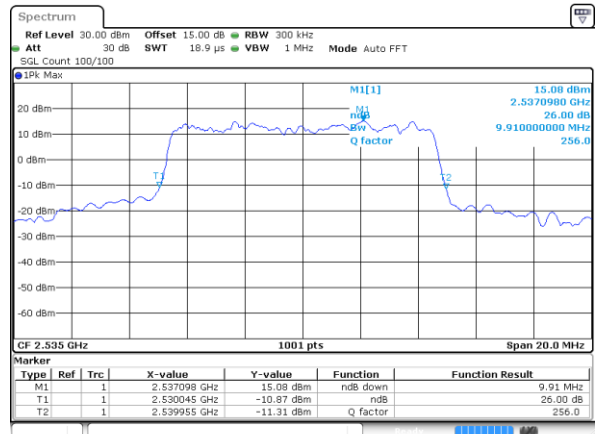
Date: 25.OCT.2022 18:21:49

Middle Channel / 10MHz / QPSK



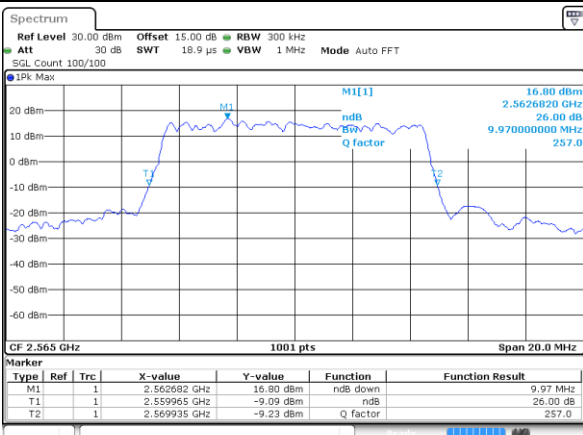
Date: 25.OCT.2022 18:30:48

Middle Channel / 10MHz / 16QAM



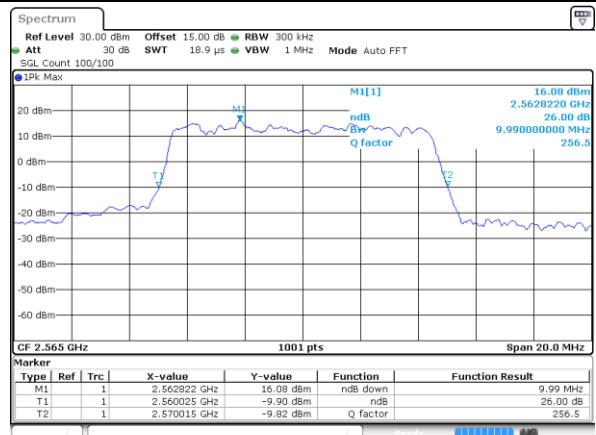
Date: 25.OCT.2022 18:31:12

Highest Channel / 10MHz / QPSK



Date: 25.OCT.2022 18:34:56

Highest Channel / 10MHz / 16QAM

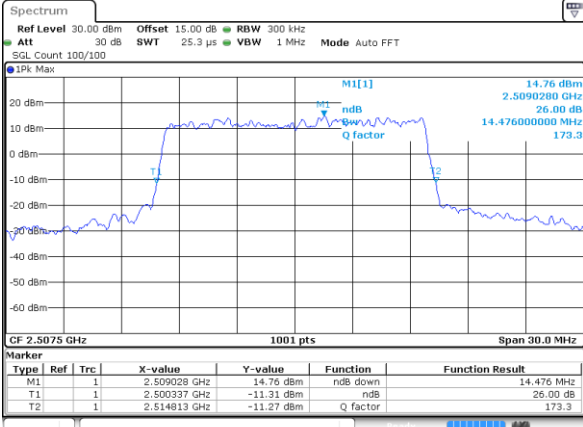


Date: 25.OCT.2022 18:35:20



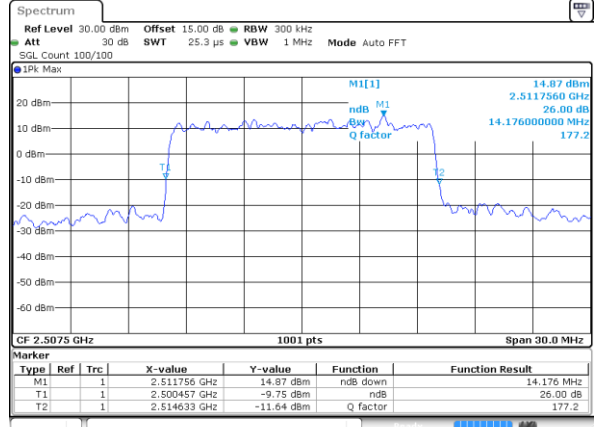
LTE Band 7

Lowest Channel / 15MHz / QPSK



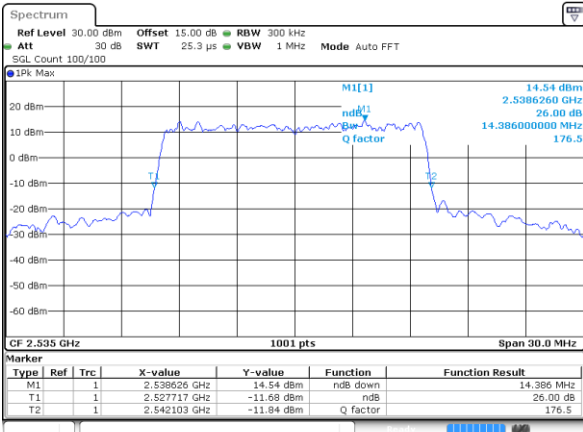
Date: 25.OCT.2022 18:55:17

Lowest Channel / 15MHz / 16QAM



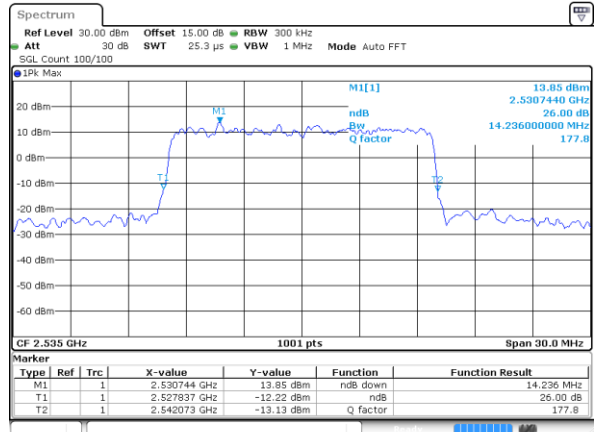
Date: 25.OCT.2022 18:55:41

Middle Channel / 15MHz / QPSK



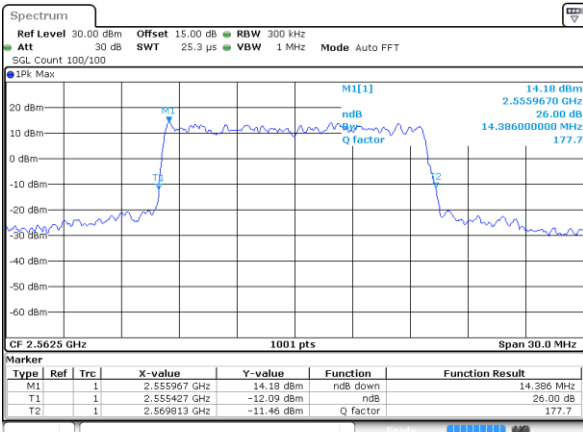
Date: 25.OCT.2022 19:04:39

Middle Channel / 15MHz / 16QAM



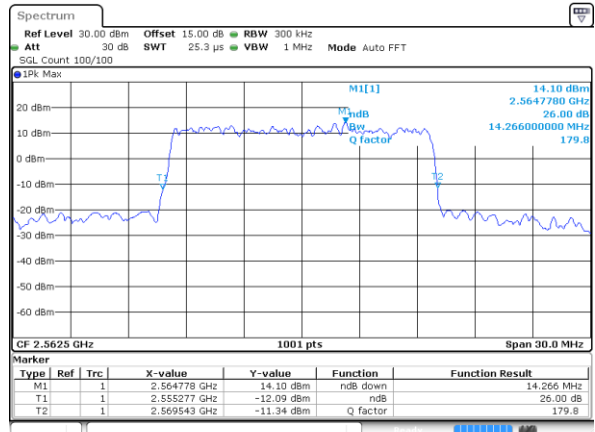
Date: 25.OCT.2022 19:05:02

Highest Channel / 15MHz / QPSK



Date: 25.OCT.2022 19:08:47

Highest Channel / 15MHz / 16QAM

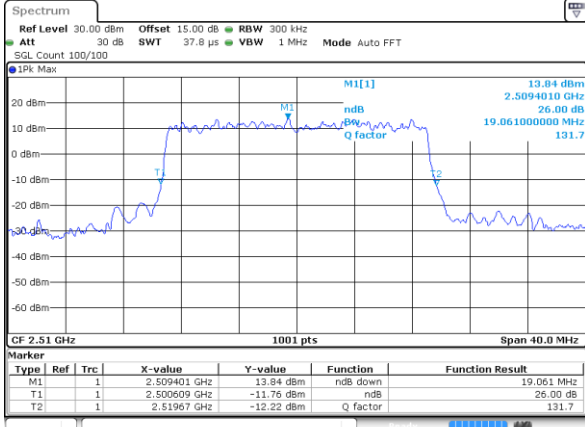


Date: 25.OCT.2022 19:09:11



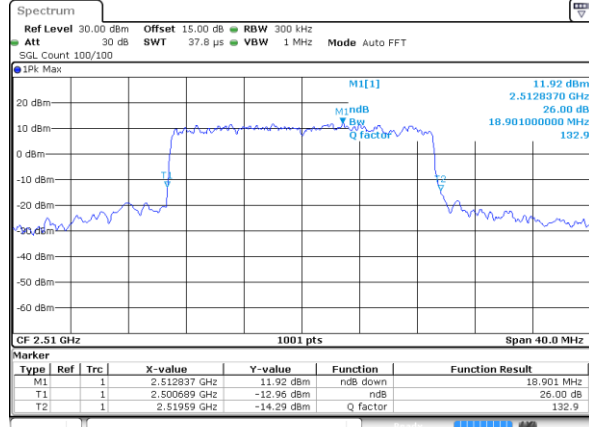
LTE Band 7

Lowest Channel / 20MHz / QPSK



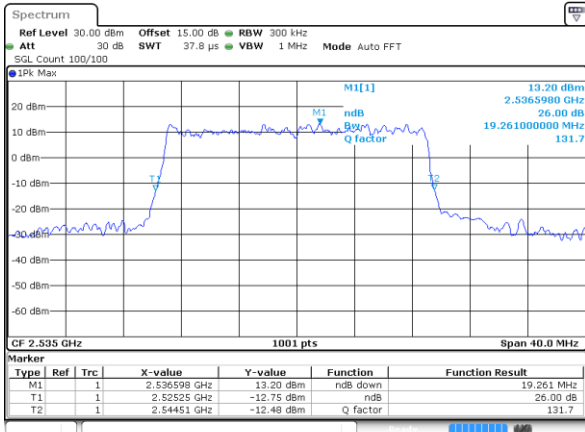
Date: 25.OCT.2022 19:29:08

Lowest Channel / 20MHz / 16QAM



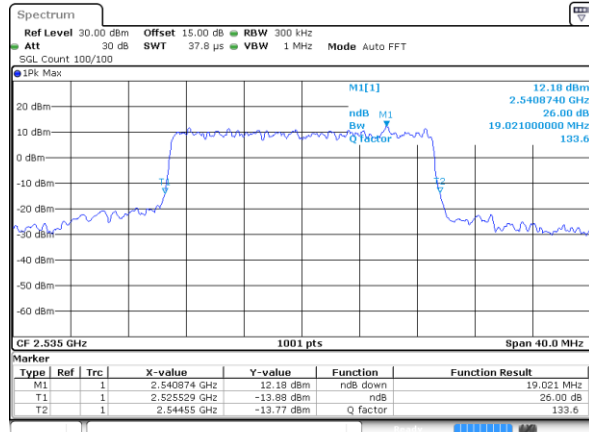
Date: 25.OCT.2022 19:29:32

Middle Channel / 20MHz / QPSK



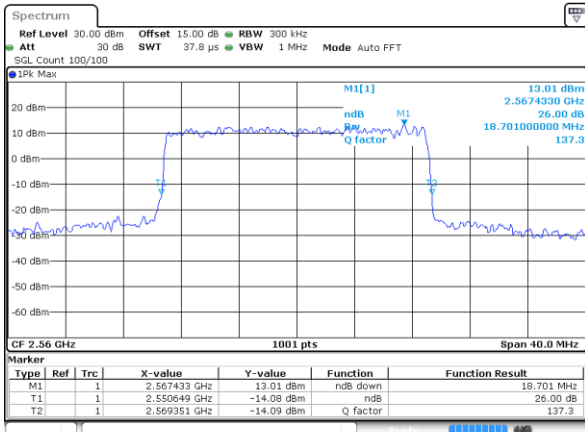
Date: 25.OCT.2022 19:38:29

Middle Channel / 20MHz / 16QAM



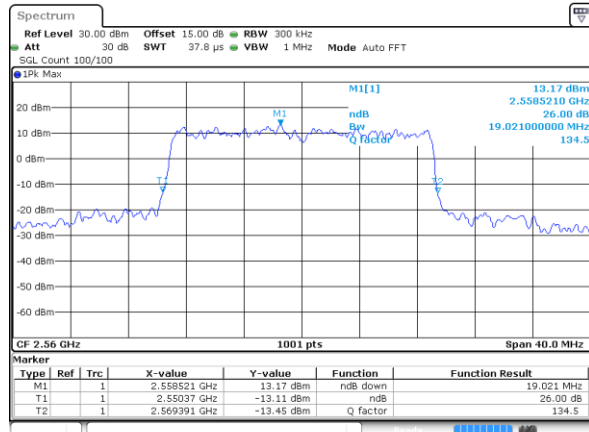
Date: 25.OCT.2022 19:38:53

Highest Channel / 20MHz / QPSK



Date: 25.OCT.2022 19:43:15

Highest Channel / 20MHz / 16QAM

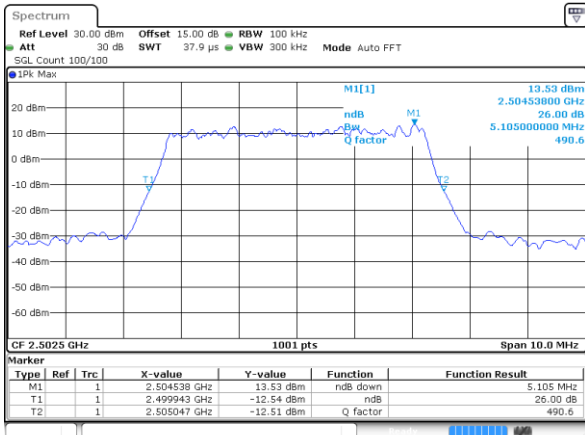


Date: 25.OCT.2022 19:43:39



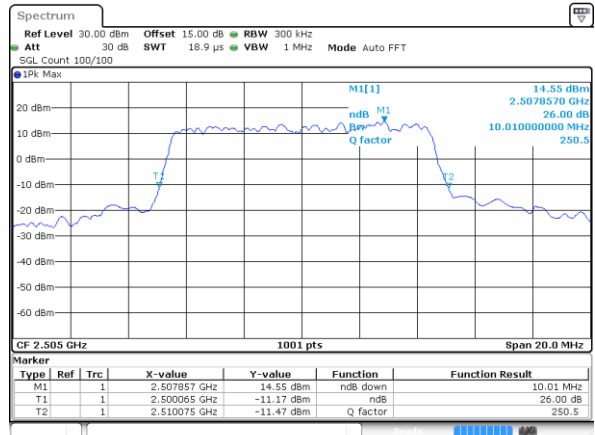
LTE Band 7

Lowest Channel / 5MHz / 64QAM



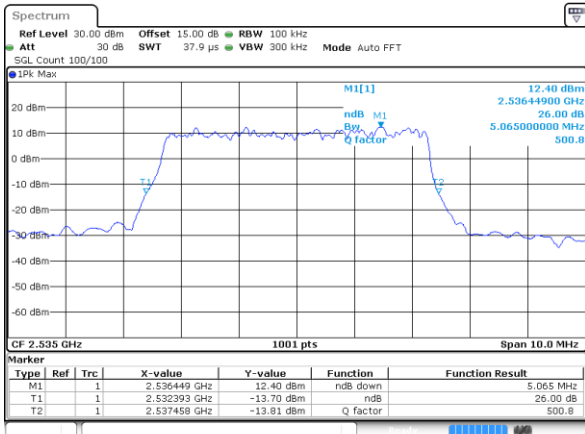
Date: 25.OCT.2022 18:09:53

Lowest Channel / 10MHz / 64QAM



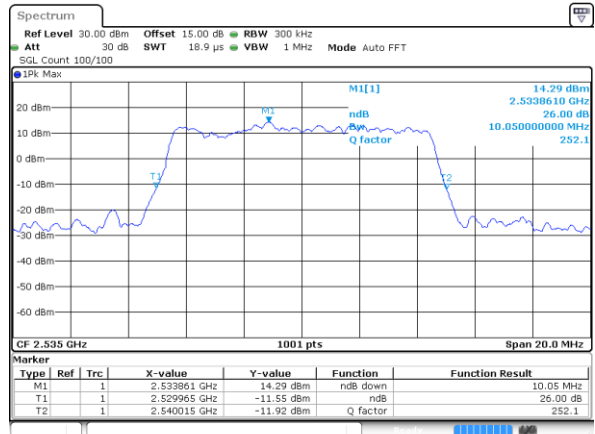
Date: 25.OCT.2022 18:43:45

Middle Channel / 5MHz / 64QAM



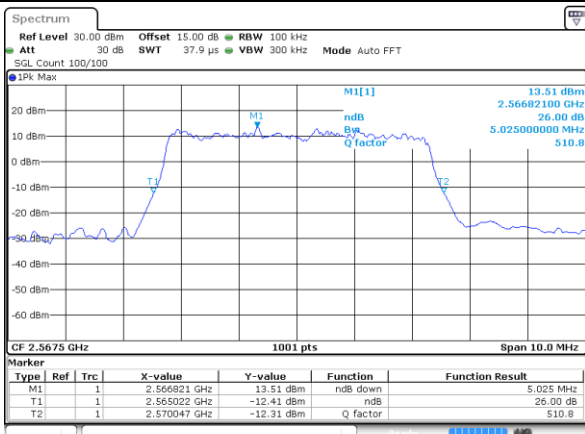
Date: 25.OCT.2022 18:14:25

Middle Channel / 10MHz / 64QAM



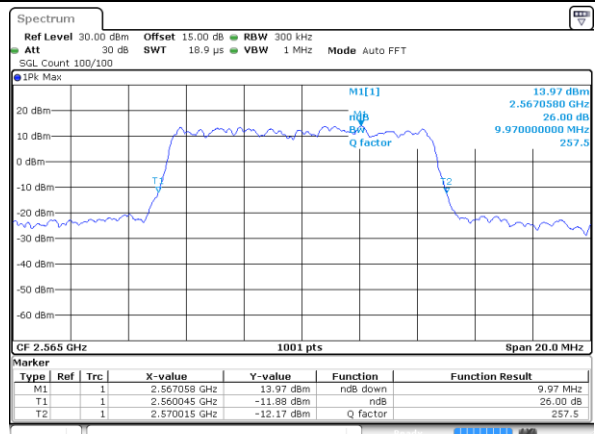
Date: 25.OCT.2022 18:48:16

Highest Channel / 5MHz / 64QAM



Date: 25.OCT.2022 18:16:19

Highest Channel / 10MHz / 64QAM

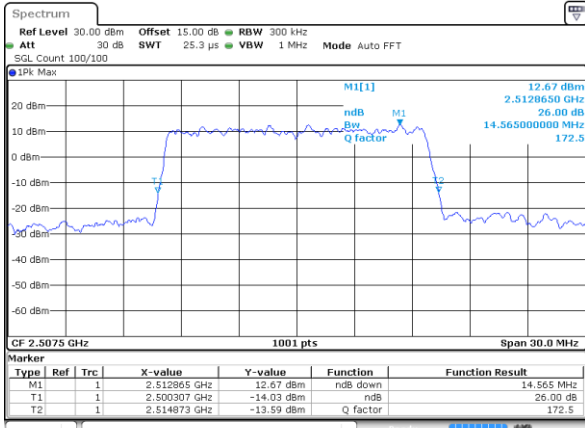


Date: 25.OCT.2022 18:50:11



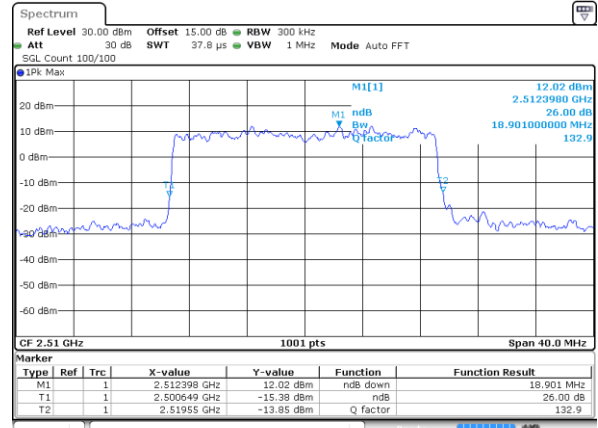
LTE Band 7

Lowest Channel / 15MHz / 64QAM



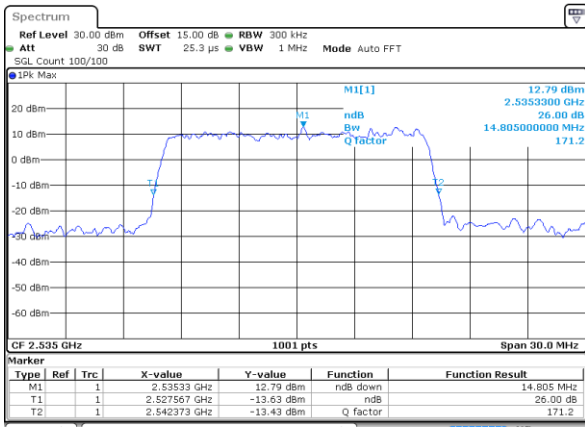
Date: 25.OCT.2022 19:17:36

Lowest Channel / 20MHz / 64QAM



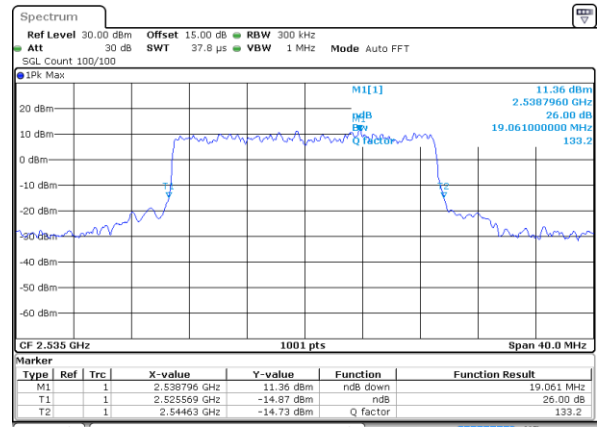
Date: 25.OCT.2022 19:52:03

Middle Channel / 15MHz / 64QAM



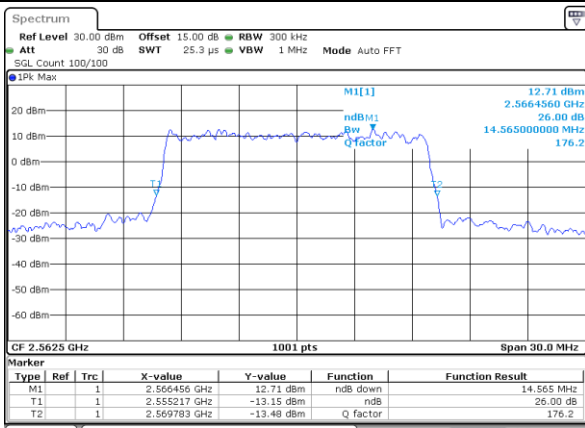
Date: 25.OCT.2022 19:22:08

Middle Channel / 20MHz / 64QAM



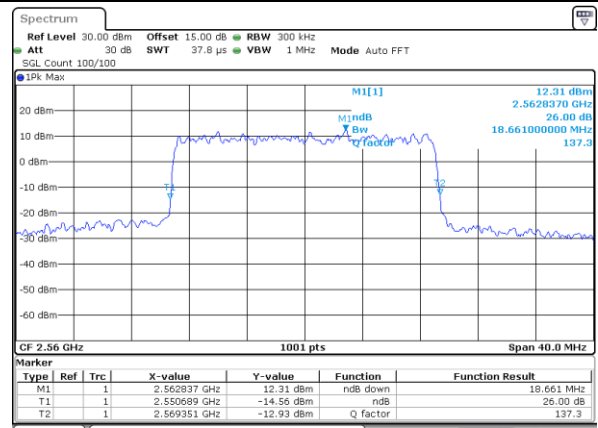
Date: 25.OCT.2022 19:56:35

Highest Channel / 15MHz / 64QAM



Date: 25.OCT.2022 19:24:02

Highest Channel / 20MHz / 64QAM



Date: 25.OCT.2022 19:58:30



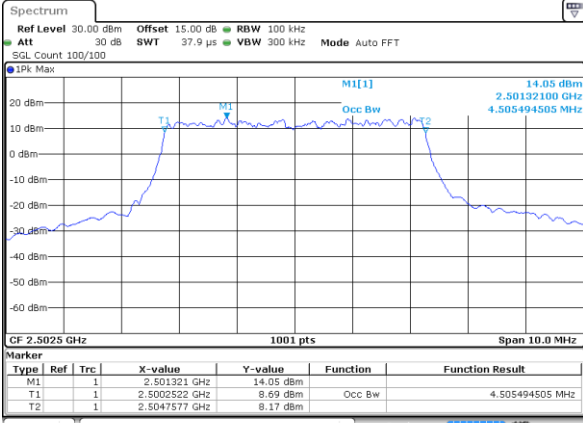
Occupied Bandwidth

Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.51	4.52	9.11	9.01	13.49	13.49	17.94	17.90
Middle CH	-	-	-	-	4.52	4.50	9.05	9.09	13.43	13.46	17.94	17.94
Highest CH	-	-	-	-	4.50	4.50	9.03	9.03	13.43	13.49	17.90	17.94
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.47	-	9.07	-	13.46	-	17.86	-
Middle CH	-	-	-	-	4.50	-	9.05	-	13.43	-	17.94	-
Highest CH	-	-	-	-	4.50	-	9.07	-	13.55	-	17.94	-



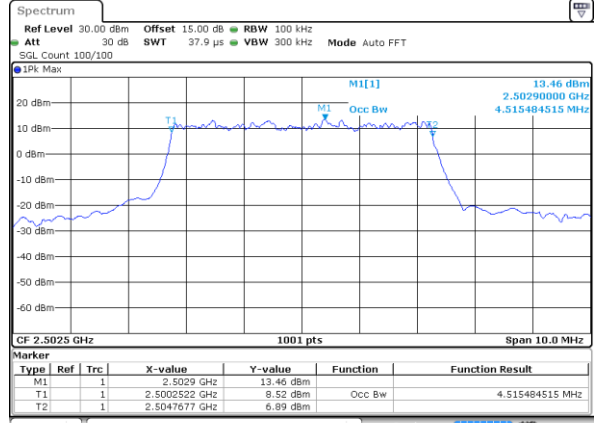
LTE Band 7

Lowest Channel / 5MHz / QPSK



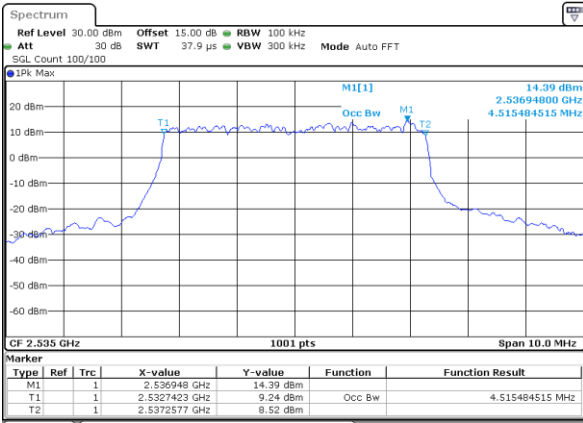
Date: 25.OCT.2022 17:46:48

Lowest Channel / 5MHz / 16QAM



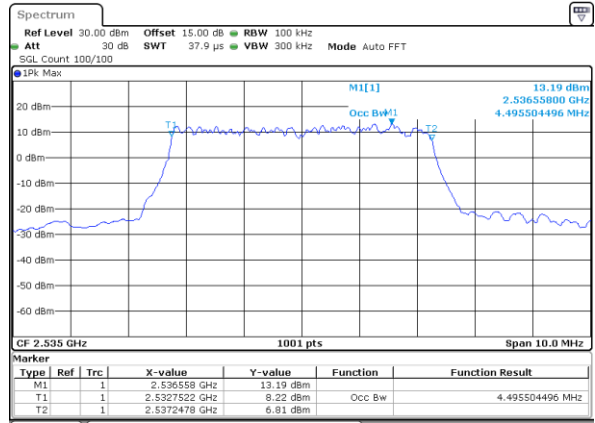
Date: 25.OCT.2022 17:47:12

Middle Channel / 5MHz / QPSK



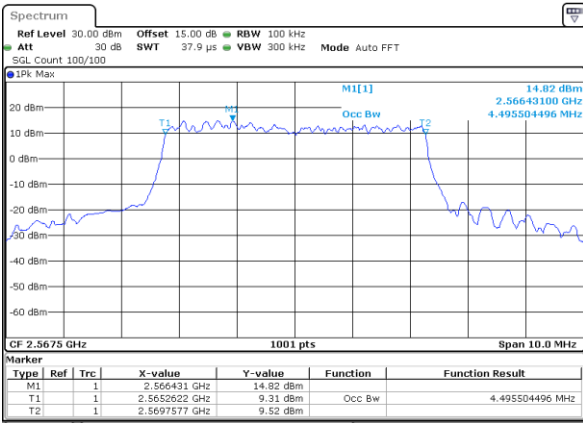
Date: 25.OCT.2022 17:56:10

Middle Channel / 5MHz / 16QAM



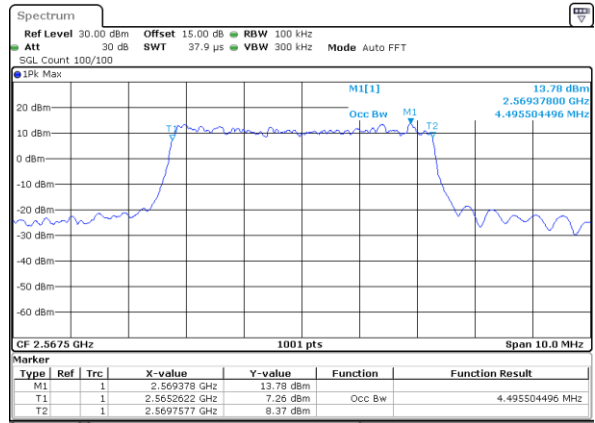
Date: 25.OCT.2022 17:56:34

Highest Channel / 5MHz / QPSK



Date: 25.OCT.2022 18:00:17

Highest Channel / 5MHz / 16QAM

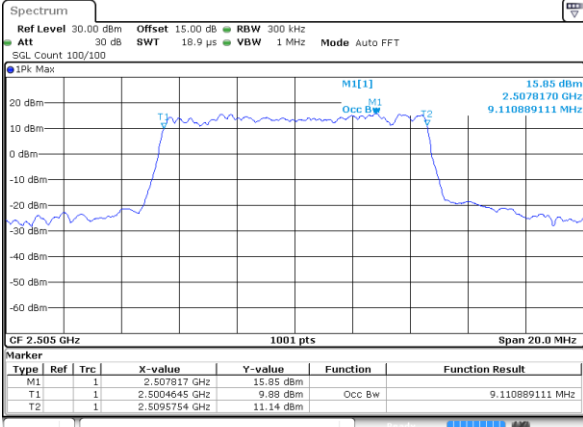


Date: 25.OCT.2022 18:00:41



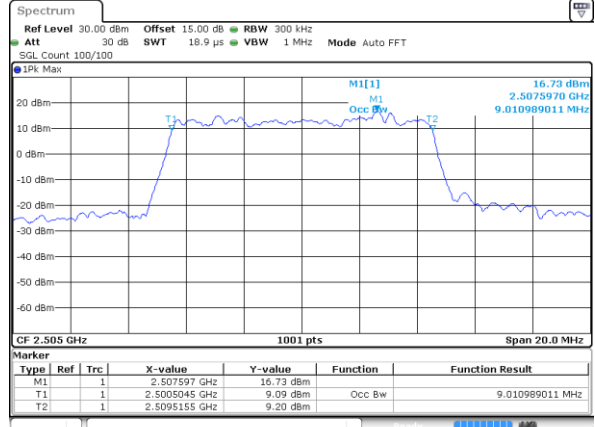
LTE Band 7

Lowest Channel / 10MHz / QPSK



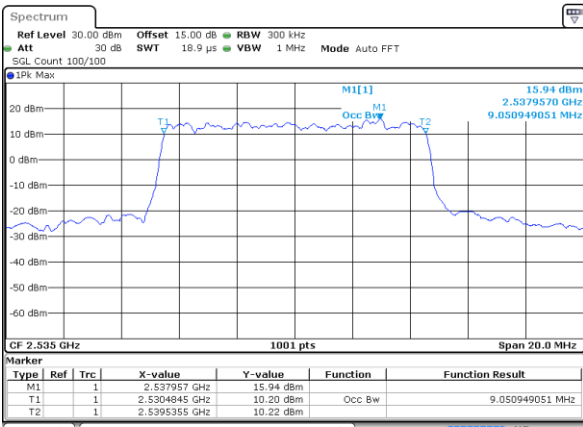
Date: 25.OCT.2022 18:20:37

Lowest Channel / 10MHz / 16QAM



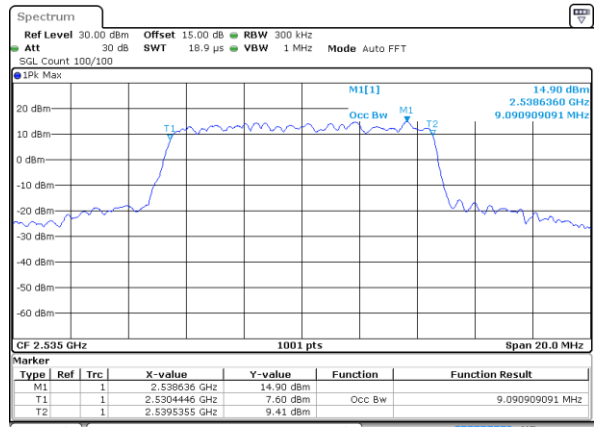
Date: 25.OCT.2022 18:21:01

Middle Channel / 10MHz / QPSK



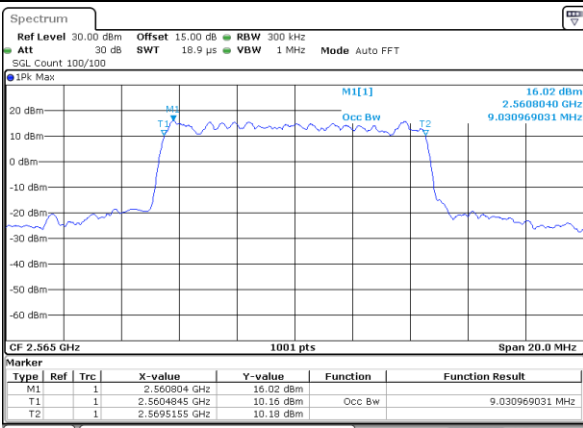
Date: 25.OCT.2022 18:30:02

Middle Channel / 10MHz / 16QAM



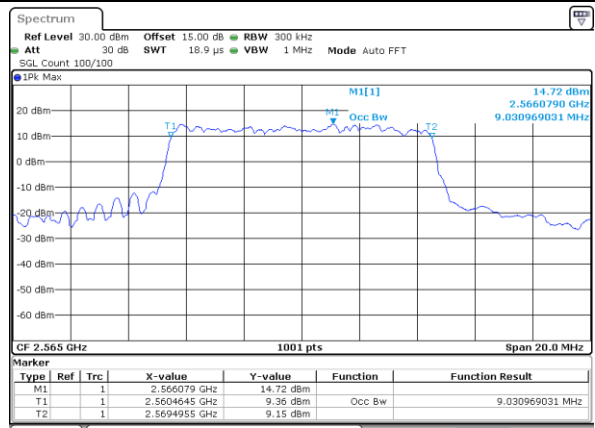
Date: 25.OCT.2022 18:30:25

Highest Channel / 10MHz / QPSK



Date: 25.OCT.2022 18:34:08

Highest Channel / 10MHz / 16QAM

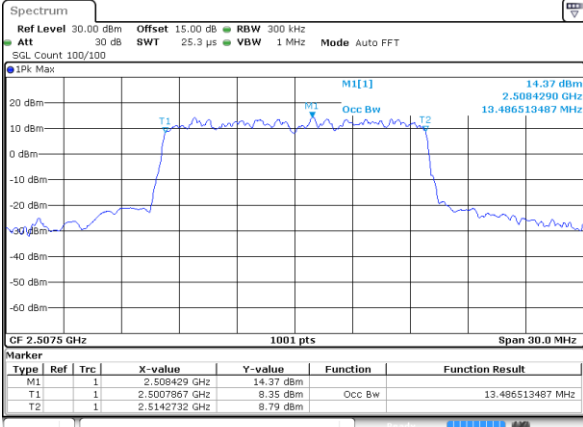


Date: 25.OCT.2022 18:34:32



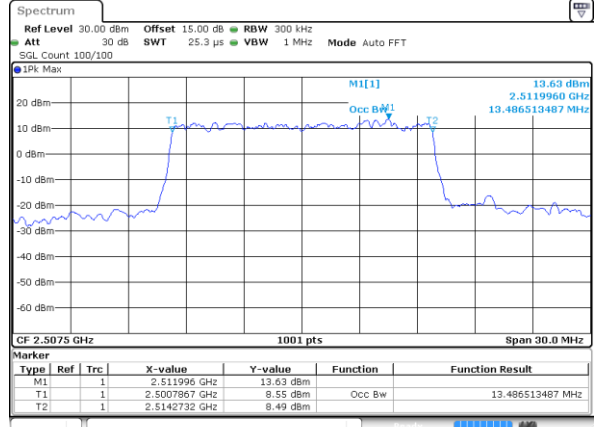
LTE Band 7

Lowest Channel / 15MHz / QPSK



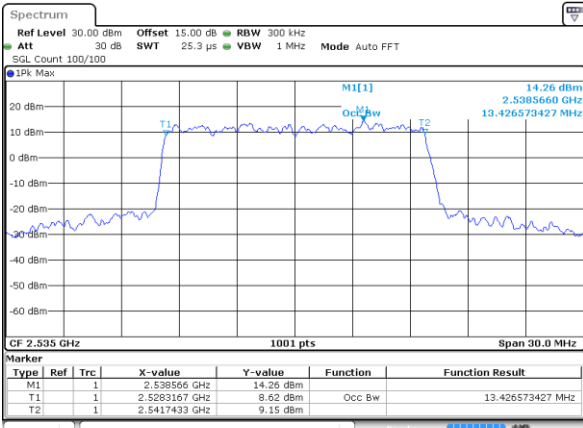
Date: 25.OCT.2022 18:54:28

Lowest Channel / 15MHz / 16QAM



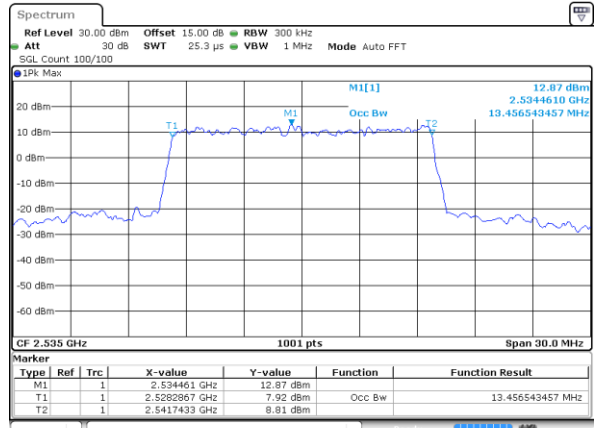
Date: 25.OCT.2022 18:54:52

Middle Channel / 15MHz / QPSK



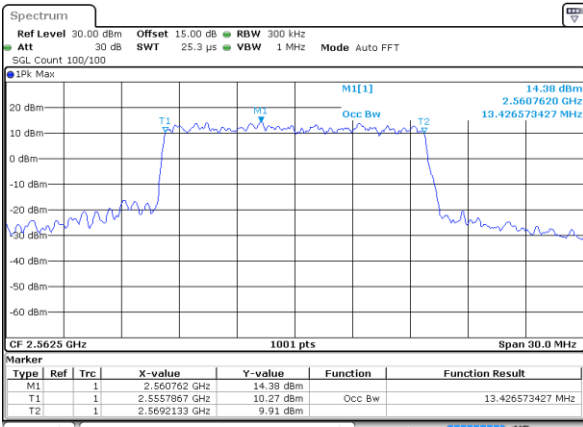
Date: 25.OCT.2022 19:03:52

Middle Channel / 15MHz / 16QAM



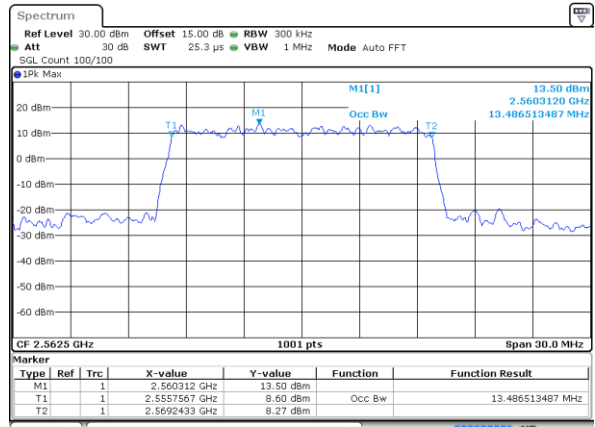
Date: 25.OCT.2022 19:04:15

Highest Channel / 15MHz / QPSK



Date: 25.OCT.2022 19:07:59

Highest Channel / 15MHz / 16QAM

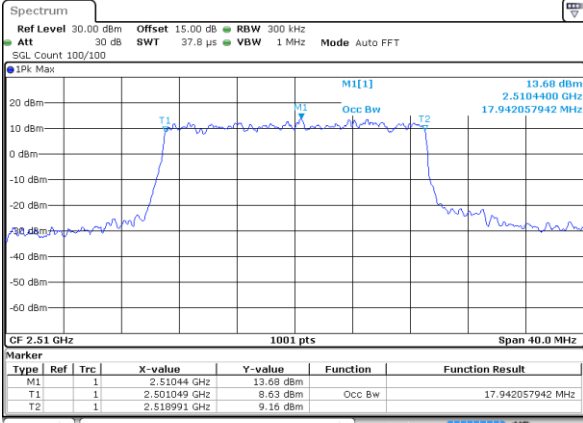


Date: 25.OCT.2022 19:08:23



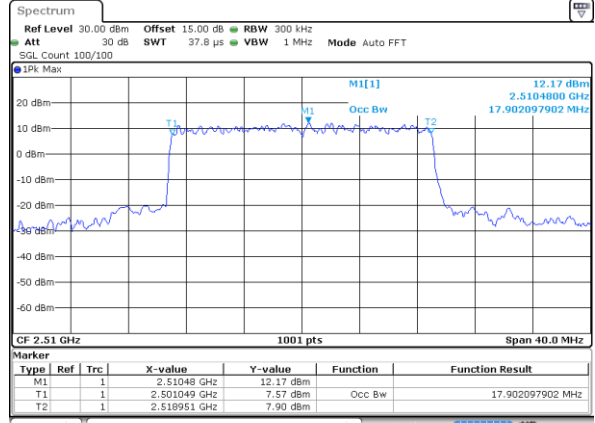
LTE Band 7

Lowest Channel / 20MHz / QPSK



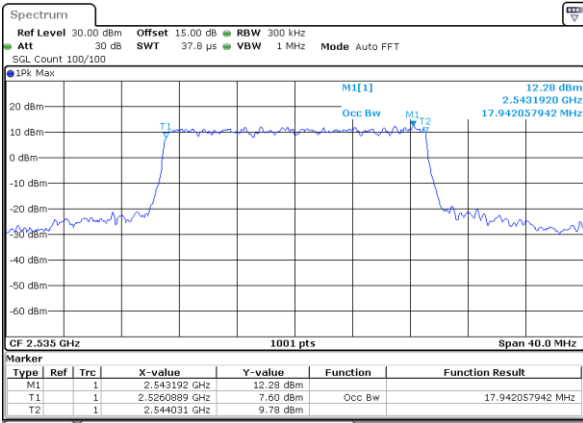
Date: 25.OCT.2022 19:28:20

Lowest Channel / 20MHz / 16QAM



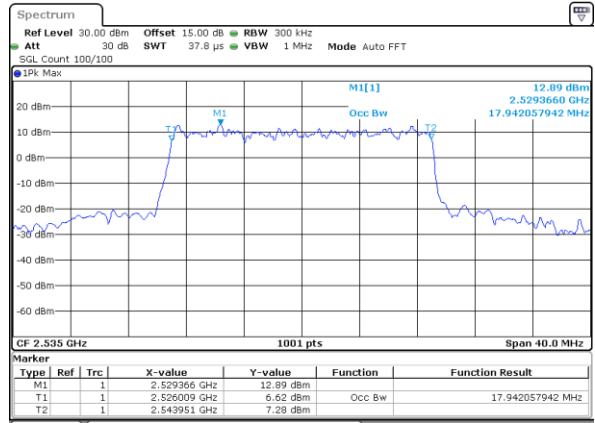
Date: 25.OCT.2022 19:28:44

Middle Channel / 20MHz / QPSK



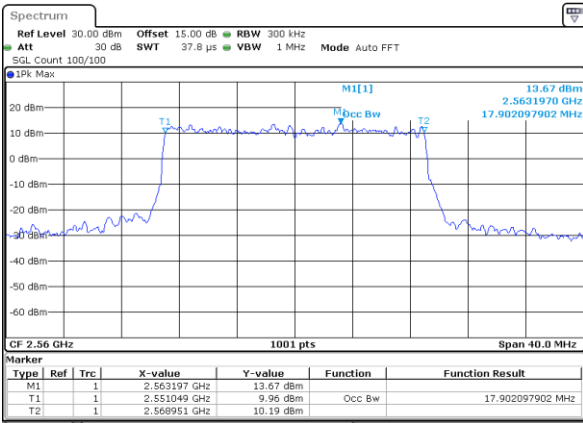
Date: 25.OCT.2022 19:37:43

Middle Channel / 20MHz / 16QAM



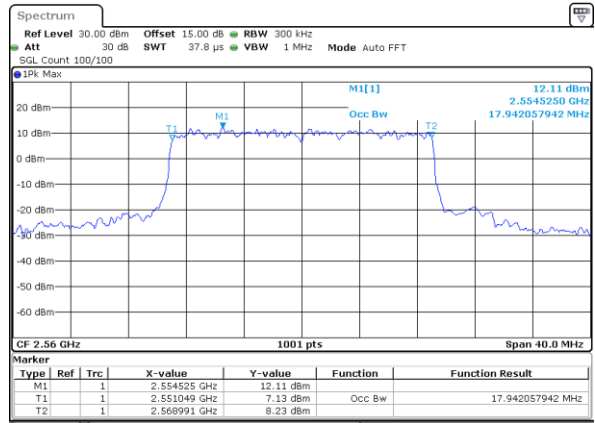
Date: 25.OCT.2022 19:38:06

Highest Channel / 20MHz / QPSK



Date: 25.OCT.2022 19:41:49

Highest Channel / 20MHz / 16QAM



Date: 25.OCT.2022 19:42:51