



FCC RF Test Report

APPLICANT : ASUSTeK COMPUTER INC.
EQUIPMENT : ASUS Phone (Mobile Phone)
BRAND NAME : ASUS
MODEL NAME : ASUS_AI2205_E, ASUS_AI2205_F
FCC ID : MSQAI2205
STANDARD : 47 CFR Part 2, 27(H), 27(M), 27(N)
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S) : Feb. 03, 2022 ~ Apr. 11, 2023

We, Sporton International Inc. (ShenZhen), would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26-2015 and shown compliance with the applicable technical standards.

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

Jason Jia



Approved by: Jason Jia

Sporton International Inc. (ShenZhen)

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

People's Republic of China



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG2D3005C	Rev. 01	Initial issue of report	Apr. 11, 2023



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 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(g)	Conducted Band Edge Measurement (Band 12) (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(g)	Conducted Spurious Emission (Band 12) (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(g)	Radiated Spurious Emission (Band 12) (Band 17) (Band 71)	< 43+10log ₁₀ (P[Watts])	PASS	Under limit 24.96 dB at 10366.36 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

ASUSTeK COMPUTER INC.

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

1.2 Manufacturer

ASUSTeK COMPUTER INC.

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

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	ASUS Phone (Mobile Phone)
Brand Name	ASUS
Model Name	ASUS_AI2205_E, ASUS_AI2205_F
FCC ID	MSQAI2205
IMEI Code	Conducted: 355156850100653/355156850100661 Radiation: 355156850101156/355156850101164
HW Version	R2.0
SW Version	Android 13
EUT Stage	Identical Prototype

Remark:

There are four SKUs of EUT for this project. The differences between them are summary below, According to the difference, we evaluate SKU1 (ASUS_AI2205_F) to perform full test.

	SKU1	SKU2	SKU3	SKU4
Model name	ASUS_AI2205_F	ASUS_AI2205_E	ASUS_AI2205_F	ASUS_AI2205_E
Config.	US(Pro)	US(Entry)	US(Pro)	US(Entry)
RF module board	US(Pro)	US(Entry)	US(Pro)	US(Entry)
LCD+Touch front frame	AI2205 FRONT CASE ASSY WW	AI2205 FRONT CASE ASSY WW	AI2205 FRONT CASE ASSY WW	AI2205 FRONT CASE ASSY WW
DDR	16G(Micron) Micron / MT62F2G64D8CL-023 WT:B	16G(Micron) Micron / MT62F2G64D8CL-023 WT:B	16G(Micron) Micron / MT62F2G64D8CL-023 WT:B	16G(Micron) Micron / MT62F2G64D8CL-023 WT:B
UFS	512G(Kioxia)(UFS4.0) Kioxia / THGJFJT2T85BAT0	512G(Samsung)(UFS4.0) Samsung / KLUF8RHHHD-B0G1	512G(Kioxia)(UFS4.0) Kioxia / THGJFJT2T85BAT0	512G(Samsung)(UFS4.0) Samsung / KLUF8RHHHD-B0G1
MB	AI2205_MB	AI2205_MB	AI2205_MB	AI2205_MB
Back cover	WW-Dark-Ult	WW-Light-Entry	WW-Dark-Ult	WW-Light-Entry
Battery	SCUD / C21P2101	SWD / C21P2101	SWD / C21P2101	SCUD / C21P2101
Rear Camera 50+13M	SHINETECH/ CDN60B	TRIPLEWIN/ CASDA-002A1	TRIPLEWIN/ CASDA-002A1	SHINETECH/ CDN60B
Front Camera 32M	TSPRECISSION/ TVHF2170	SHINETECH/ ST-CMG07B	SHINETECH/ ST-CMG07B	TSPRECISSION/ TVHF2170
Rear Camera 5M	HUNAN KINGCOME/ KBFE378	TSPRECISSION/ TV8F2224	TSPRECISSION/ TV8F2224	HUNAN KINGCOME/ KBFE378
PCB	COMPEQ	COMPEQ	COMPEQ	COMPEQ



CPU	QUALCOMM MPSP1581 / SM-8550 MPSP1581 CS	QUALCOMM MPSP1581 / SM-8550 MPSP1581 CS	QUALCOMM MPSP1581 / SM-8550 MPSP1581 CS	QUALCOMM MPSP1581 / SM-8550 MPSP1581 CS
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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 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 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 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_7C; CA_41C
Maximum Output Power to Antenna	<Ant.0> LTE Band 12 : 24.57 dBm LTE Band 17 : 24.51 dBm LTE Band 71 : 24.47 dBm <Ant.1> LTE Band 7 : 25.03 dBm LTE Band CA_7C : 18.86 dBm LTE Band 38 : 25.02 dBm LTE Band 41 : 27.19 dBm LTE Band CA_41C : 21.27 dBm <Ant.2> LTE Band 7 : 25.03 dBm LTE Band CA_7C : 18.86 dBm LTE Band 12 : 24.57 dBm LTE Band 17 : 24.51 dBm LTE Band 38 : 25.02 dBm LTE Band 41 : 27.19 dBm LTE Band CA_41C : 21.27 dBm LTE Band 71 : 24.47 dBm
Antenna Gain	<Ant.0> LTE Band 12 : -2.56 dBi LTE Band 17 : -2.56 dBi LTE Band 71 : -2.77 dBi <Ant.1> LTE Band 7 : -0.36 dBi LTE Band 38 : -0.36 dBi LTE Band 41 : -0.36 dBi



	<Ant.2> LTE Band 7 : -0.63 dBi LTE Band 12 : -6.43 dBi LTE Band 17 : -6.43 dBi LTE Band 38 : -0.63 dBi LTE Band 41 : -0.63 dBi LTE Band 71 : -6.07 dBi
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM

Note:

1. The maximum ERP/EIRP is calculated from Output power and antenna gain, only the maximum ERP/EIRP of Ant.0 for LTE Band12/17/71 and Ant.1 for LTE Band 7/7C/38/41/41C are shown in the report.
2. LTE Band 41/41C support HPUE mode.
3. when temperature lower than -10 °C, EUT will be shut down automatically, thus Frequency Stability item only test -10~50 °C.

1.5 Modification of EUT

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



1.6 Maximum ERP/EIRP 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	0.2917	4M52G7D	0.2466	4M52W7D
10	2505.0 ~ 2565.0	0.2917	9M09G7D	0.2477	9M03W7D
15	2507.5 ~ 2562.5	0.2864	13M5G7D	0.2500	13M5W7D
20	2510.0 ~ 2560.0	0.2931	17M9G7D	0.2529	18M0W7D
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	0.0966	1M10G7D	0.0830	1M12W7D
3	700.5 ~ 714.5	0.0955	2M73G7D	0.0832	2M74W7D
5	701.5 ~ 713.5	0.0959	4M49G7D	0.0824	4M53W7D
10	704.0 ~ 711.0	0.0968	9M07G7D	0.0845	9M05W7D
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	0.0959	4M49G7D	0.0824	4M53W7D
10	709.0 ~ 711.0	0.0968	9M07G7D	0.0845	9M05W7D
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	0.4797	4M50G7D	0.3864	4M53W7D
10	2575.0 ~ 2615.0	0.4797	9M11G7D	0.3926	9M09W7D
15	2577.5 ~ 2612.5	0.4677	13M6G7D	0.3945	13M6W7D
20	2580.0 ~ 2610.0	0.4819	17M9G7D	0.3954	17M9W7D
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	0.4797	4M50G7D	0.3864	4M53W7D
10	2501.0 ~ 2685.0	0.4797	9M11G7D	0.3926	9M09W7D
15	2503.5 ~ 2682.5	0.4677	13M6G7D	0.3945	13M6W7D
20	2506.0 ~ 2680.0	0.4819	17M9G7D	0.3954	17M9W7D



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	0.0883	4M53G7D	0.0755	4M53W7D
10	668.0 ~ 693.0	0.0883	9M07G7D	0.0740	9M03W7D
15	670.5 ~ 690.5	0.0881	13M5G7D	0.0736	13M5W7D
20	673.0 ~ 688.0	0.0902	17M9G7D	0.0757	18M0W7D

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	0.0692	28M1G7D	0.0570	28M2W7D
15MHz+15MHz	0.0689	28M7G7D	0.0573	28M7W7D
15MHz+20MHz	0.0692	33M0G7D	0.0570	32M8W7D
15MHz+10MHz	0.0697	23M5G7D	0.0564	23M7W7D
20MHz+10MHz	0.0684	28M4G7D	0.0571	28M2W7D
20MHz+15MHz	0.0703	32M9G7D	0.0575	33M2W7D
20MHz+20MHz	0.0708	37M9G7D	0.0573	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	0.1205	23M2G7D	0.0966	23M3W7D
10MHz+20MHz	0.1211	28M1G7D	0.0964	28M2W7D
10MHz+15MHz	0.1213	23M5G7D	0.0966	23M6W7D
15MHz+15MHz	0.1213	28M8G7D	0.0966	28M7W7D
15MHz+20MHz	0.1216	32M9G7D	0.0959	32M9W7D
15MHz+10MHz	0.1211	23M7G7D	0.0966	23M5W7D
20MHz+5MHz	0.1191	23M4G7D	0.0966	23M4W7D
20MHz+10MHz	0.1213	28M2G7D	0.0955	28M2W7D
20MHz+15MHz	0.1202	33M0G7D	0.0953	33M2W7D
20MHz+20MHz	0.1233	37M9G7D	0.0948	38M0W7D

Note:

1. 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.
2. 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.
3. All modulations have been tested, and only the worst test results of PSK & QAM are shown in the report.



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.
	03CH01-SZ	CN1256	421272

1.8 Test Software

Item	Site	Manufacture	Name	Version
1.	03CH01-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(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: All test items were verified and recorded according to the standards and without any deviation during the test.



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
	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	v
	12				v	-	-	v	v	v		v		v	v	v	v
	41	-	-				v	v	v	v		v		v	v	v	v
	71	-	-				v	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
	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
	41	-	-	v	v	v	v	v	v	v		v		v	v		v
	71	-	-	v	v	v	v	v	v	v		v		v	v		v

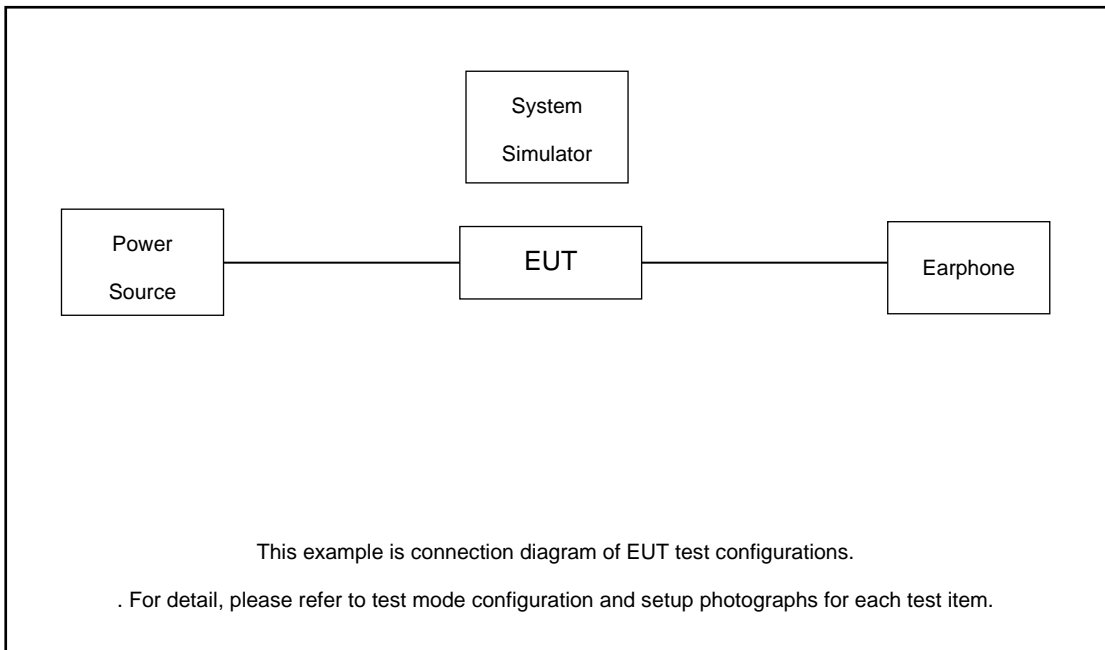


Test Items	Band	Bandwidth (MHz)						Modulation				RB #			Test Channel			
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H	
Conducted Spurious Emission	7	-	-	v	v	v	v	v	v	v		v			v	v	v	
	12	v	v	v	v	-	-	v	v	v		v			v	v	v	
	41	-	-	v	v	v	v	v	v	v		v			v	v	v	
	71	-	-	v	v	v	v	v	v	v		v			v	v	v	
Frequency Stability	7	-	-		v			v						v		v		
	12				v	-	-	v						v		v		
	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	v	
	12	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	
Radiated Spurious Emission	7	Worst Case															v	
	12	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. 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. For QAM modulation mode, the whole testing has assessed 16QAM&64QAM mode by referring to the higher conducted power 																	



Test Items	Band	Bandwidth (MHz)										Modulation				RB #			Test Channel		
		20+20	20+15	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	v
	41C_CA	v	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
	41C_CA	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	v
	41C_CA	v	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	<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. For QAM modulation mode, the whole testing has assessed 16QAM&64QAM mode by referring to the higher conducted power 																				

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

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

2.4 Measurement Results Explanation Example

For all conducted test items:

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

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

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

Following shows an offset computation example with cable loss 5.2 dB and 10dB attenuator.

Example :

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)}. \\ &= 5.2 + 10 = 15.2 \text{ (dB)} \end{aligned}$$



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 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

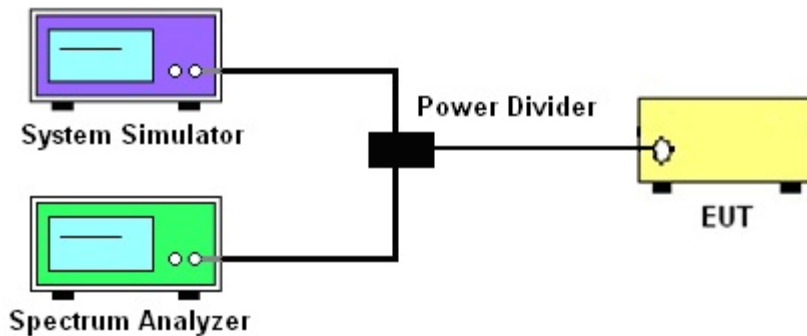
See list of measuring instruments of this test report.

3.2 Test Setup

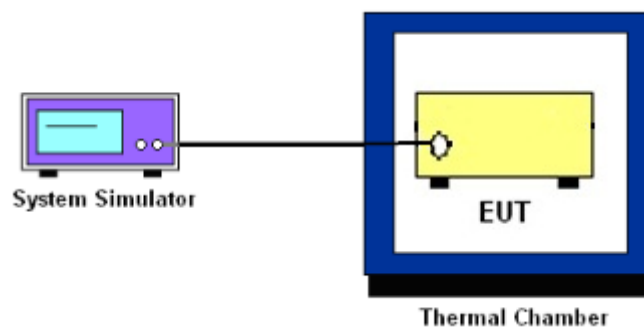
3.2.1 Conducted Output Power



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 17 and Band 71.

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 7, 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 (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)

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

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

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)
= -13dBm.
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)
= -25dBm.



3.9 Frequency Stability

3.9.1 Description of Frequency Stability Measurement

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ ($\pm 2.5\text{ppm}$) 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 -10°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.

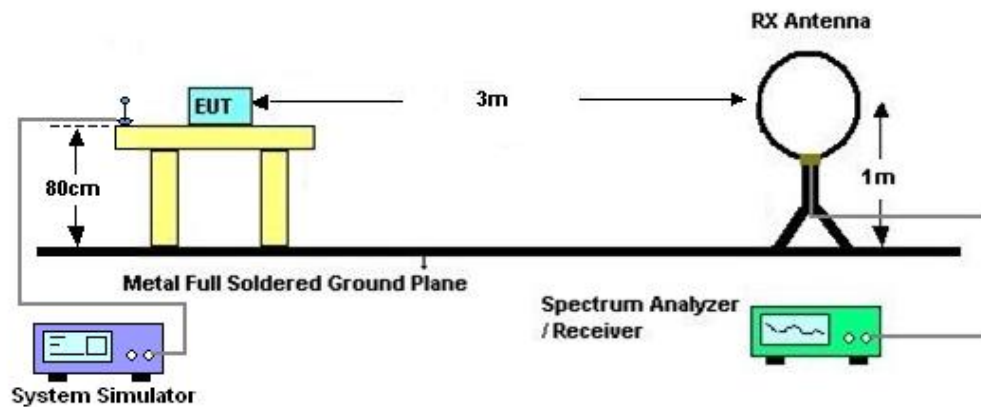
4 Radiated Test Items

4.1 Measuring Instruments

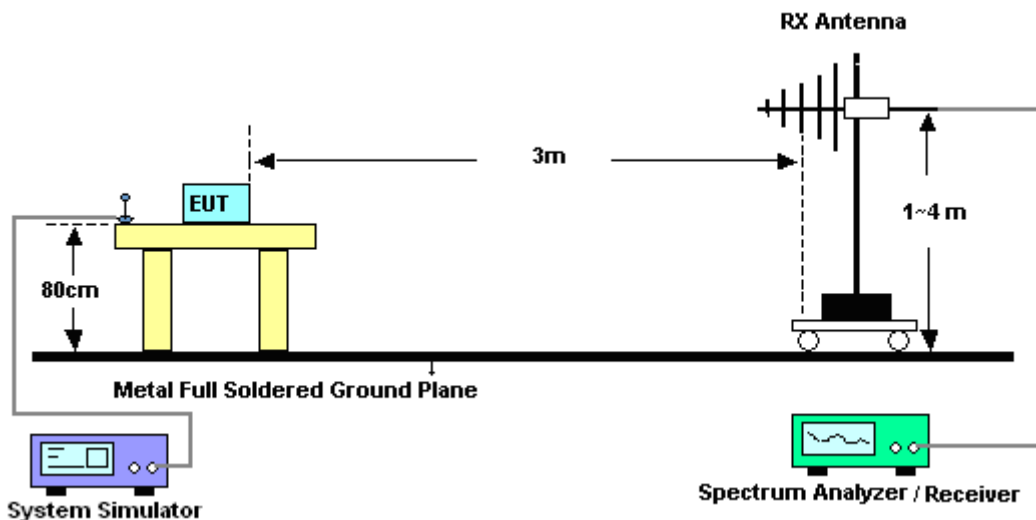
See list of measuring instruments of this test report.

4.2 Test Setup

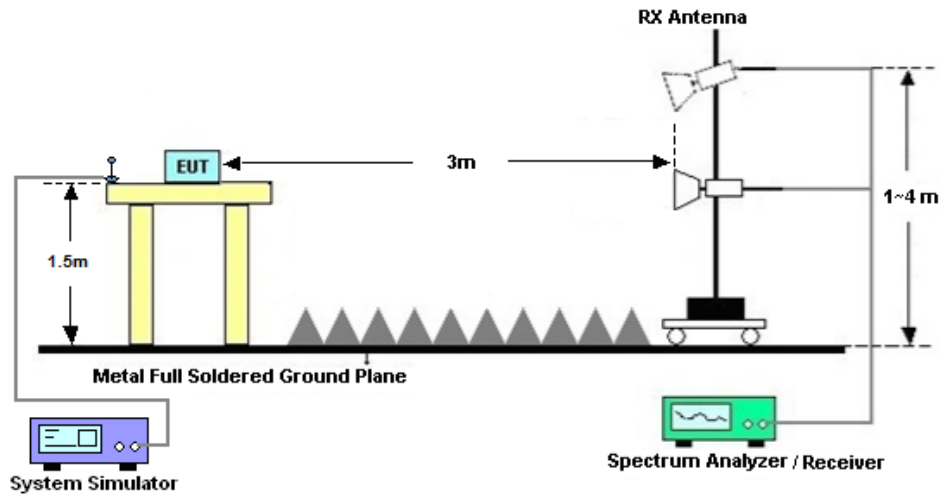
4.2.1 For radiated test below 30MHz



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.

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

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	Feb. 03, 2023~ Apr. 11, 2023	Apr. 08, 2023	Conducted (TH01-SZ)
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 07, 2023		Apr. 08, 2024	Conducted (TH01-SZ)
DC Power Supply	TTI	PL330P	290070	Max 32V , 3A	Oct. 17, 2022	Feb. 03, 2023~ Apr. 11, 2023	Oct. 16, 2023	Conducted (TH01-SZ)
Power Divider	TOJOIN	PS-2SM-04	60.06.020.007 7	0.4GHz~26.5GHz	Dec. 25, 2022	Feb. 03, 2023~ Apr. 11, 2023	Dec. 24, 2023	Conducted (TH01-SZ)
EMI Test Receiver&SA	Agilent	N9038A	MY52260185	20Hz~26.5GHz	Dec. 26, 2022	Feb. 06, 2023	Dec. 25, 2023	Radiation (03CH01-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 07, 2022	Feb. 06, 2023	Jul. 06, 2023	Radiation (03CH01-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jul. 28, 2022	Feb. 06, 2023	Jul. 27, 2024	Radiation (03CH01-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Sep. 28, 2021	Feb. 06, 2023	Sep. 27, 2023	Radiation (03CH01-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 07, 2022	Feb. 06, 2023	Jul. 06, 2023	Radiation (03CH01-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 10, 2022	Feb. 06, 2023	Apr. 09, 2023	Radiation (03CH01-SZ)
LF Amplifier	Burgeon	BPA-530	102209	0.01~3000Mhz	Apr. 06, 2022	Feb. 06, 2023	Apr. 05, 2023	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	AMF-7D-00 101800-30-1 0P-R	1943528	1GHz~18GHz	Oct. 19, 2022	Feb. 06, 2023	Oct. 18, 2023	Radiation (03CH01-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 19, 2022	Feb. 06, 2023	Oct. 18, 2023	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	TTA1840-35 -HG	1871923	18GHz~40GHz	Jul. 06, 2022	Feb. 06, 2023	Jul. 05, 2023	Radiation (03CH01-SZ)
AC Power Source	Chroma	61601	616010001985	N/A	Nov. 10, 2022	Feb. 06, 2023	Nov. 09, 2023	Radiation (03CH01-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Feb. 06, 2023	NCR	Radiation (03CH01-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Feb. 06, 2023	NCR	Radiation (03CH01-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	±0.12 %

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.48 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.53 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.02 dB
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Appendix A. Test Results of Conducted Test

Test Engineer :	Zou ZhenHua	Temperature :	24~26°C
		Relative Humidity :	50~53%

Conducted Output Power(Average power)

LTE Band 7_Ant.1

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	24.79	25.03	24.80
20	QPSK	1	49	24.71	24.93	24.78
20	QPSK	1	99	24.75	24.88	24.77
20	QPSK	50	0	23.86	23.98	23.79
20	QPSK	50	24	23.84	23.97	23.75
20	QPSK	50	50	23.83	23.97	23.73
20	QPSK	100	0	23.84	23.93	23.83
20	16QAM	1	0	24.24	24.39	24.21
20	16QAM	1	49	24.23	24.32	24.22
20	16QAM	1	99	24.28	24.27	24.19
20	16QAM	50	0	22.82	22.95	22.79
20	16QAM	50	24	22.96	23.05	22.96
20	16QAM	50	50	23.07	23.18	23.02
20	16QAM	100	0	22.88	23.01	22.87
20	64QAM	1	0	23.05	23.15	23.01
20	64QAM	1	49	23.14	23.19	23.04
20	64QAM	1	99	23.08	23.20	23.05
20	64QAM	50	0	22.05	22.15	22.09
20	64QAM	50	24	21.94	22.07	22.05
20	64QAM	50	50	21.94	22.08	22.00
20	64QAM	100	0	21.93	21.96	21.86
20	256QAM	1	0	20.09	20.24	20.17
20	256QAM	1	49	19.99	20.22	20.08
20	256QAM	1	99	19.98	20.12	20.09
20	256QAM	50	0	20.01	20.18	20.13
20	256QAM	50	24	20.01	20.13	20.08
20	256QAM	50	50	19.89	20.18	20.01
20	256QAM	100	0	19.91	20.04	20.00
Channel				20825	21100	21375
Frequency (MHz)				2507.5	2535	2562.5
15	QPSK	1	0	24.73	24.93	24.79
15	QPSK	1	37	24.80	24.90	24.69



15	QPSK	1	74	24.72	24.83	24.71
15	QPSK	36	0	23.79	23.91	23.70
15	QPSK	36	20	23.77	23.93	23.75
15	QPSK	36	39	23.78	23.90	23.76
15	QPSK	75	0	23.83	23.90	23.72
15	16QAM	1	0	24.21	24.34	24.11
15	16QAM	1	37	24.22	24.23	24.14
15	16QAM	1	74	24.16	24.17	24.08
15	16QAM	36	0	22.79	22.93	22.73
15	16QAM	36	20	22.86	23.04	22.89
15	16QAM	36	39	23.02	23.06	22.98
15	16QAM	75	0	22.76	22.99	22.80
15	64QAM	1	0	22.99	23.07	22.96
15	64QAM	1	37	23.13	23.09	23.00
15	64QAM	1	74	23.03	23.14	23.01
15	64QAM	36	0	22.01	22.08	22.02
15	64QAM	36	20	21.88	21.98	22.04
15	64QAM	36	39	21.87	22.06	21.99
15	64QAM	75	0	21.83	21.91	21.75
15	256QAM	1	0	20.08	20.14	20.12
15	256QAM	1	37	19.95	20.10	20.07
15	256QAM	1	74	19.92	20.05	20.08
15	256QAM	36	0	19.97	20.12	20.12
15	256QAM	36	20	19.95	20.03	20.02
15	256QAM	36	39	19.77	20.17	19.97
15	256QAM	75	0	19.90	19.92	19.90
Channel				20800	21100	21400
Frequency (MHz)				2505	2535	2565
10	QPSK	1	0	24.72	25.01	24.74
10	QPSK	1	25	24.77	24.91	24.73
10	QPSK	1	49	24.79	24.87	24.65
10	QPSK	25	0	23.82	23.93	23.74
10	QPSK	25	12	23.75	23.89	23.74
10	QPSK	25	25	23.75	23.92	23.76
10	QPSK	50	0	23.75	23.81	23.78
10	16QAM	1	0	24.23	24.30	24.11
10	16QAM	1	25	24.12	24.23	24.10
10	16QAM	1	49	24.26	24.15	24.11
10	16QAM	25	0	22.75	22.91	22.74
10	16QAM	25	12	22.95	22.98	22.84
10	16QAM	25	25	22.97	23.13	22.96
10	16QAM	50	0	22.86	23.00	22.81
10	64QAM	1	0	22.98	23.11	22.89
10	64QAM	1	25	23.13	23.10	22.92
10	64QAM	1	49	22.98	23.15	23.02



10	64QAM	25	0	22.02	22.14	22.02
10	64QAM	25	12	21.91	22.06	22.01
10	64QAM	25	25	21.89	22.07	21.94
10	64QAM	50	0	21.85	21.95	21.79
10	256QAM	1	0	20.06	20.19	20.11
10	256QAM	1	25	19.98	20.17	20.03
10	256QAM	1	49	19.86	20.06	20.01
10	256QAM	25	0	19.90	20.09	20.12
10	256QAM	25	12	19.90	20.09	19.99
10	256QAM	25	25	19.79	20.07	19.99
10	256QAM	50	0	19.90	19.99	19.96
Channel				20775	21100	21425
Frequency (MHz)				2502.5	2535	2567.5
5	QPSK	1	0	24.68	25.01	24.69
5	QPSK	1	12	24.76	24.87	24.76
5	QPSK	1	24	24.69	24.78	24.68
5	QPSK	12	0	23.76	23.93	23.77
5	QPSK	12	7	23.75	23.95	23.73
5	QPSK	12	13	23.74	23.94	23.82
5	QPSK	25	0	23.75	23.82	23.82
5	16QAM	1	0	24.18	24.27	24.16
5	16QAM	1	12	24.16	24.28	24.16
5	16QAM	1	24	24.25	24.21	24.11
5	16QAM	12	0	22.70	22.92	22.71
5	16QAM	12	7	22.93	22.93	22.88
5	16QAM	12	13	22.97	23.09	23.00
5	16QAM	25	0	22.82	22.89	22.84
5	64QAM	1	0	22.94	23.03	22.93
5	64QAM	1	12	23.11	23.18	23.03
5	64QAM	1	24	23.04	23.11	23.00
5	64QAM	12	0	22.02	22.06	22.04
5	64QAM	12	7	21.86	21.99	22.02
5	64QAM	12	13	21.83	22.07	21.89
5	64QAM	25	0	21.89	21.86	21.83
5	256QAM	1	0	20.02	20.19	20.10
5	256QAM	1	12	19.91	20.19	19.97
5	256QAM	1	24	19.93	20.11	20.01
5	256QAM	12	0	19.92	20.13	20.03
5	256QAM	12	7	19.91	20.08	19.96
5	256QAM	12	13	19.79	20.07	20.00
5	256QAM	25	0	19.82	20.02	19.93



LTE 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	24.41	24.57	24.55
10	QPSK	1	25	24.41	24.55	24.43
10	QPSK	1	49	24.36	24.53	24.47
10	QPSK	25	0	23.47	23.58	23.57
10	QPSK	25	12	23.33	23.51	23.41
10	QPSK	25	25	23.44	23.48	23.47
10	QPSK	50	0	23.37	23.50	23.49
10	16QAM	1	0	23.71	23.84	23.82
10	16QAM	1	25	23.78	23.91	23.86
10	16QAM	1	49	23.88	23.98	23.90
10	16QAM	25	0	22.38	22.51	22.42
10	16QAM	25	12	22.34	22.52	22.45
10	16QAM	25	25	22.39	22.59	22.48
10	16QAM	50	0	22.43	22.50	22.45
10	64QAM	1	0	22.51	22.69	22.57
10	64QAM	1	25	22.55	22.77	22.66
10	64QAM	1	49	22.60	22.75	22.69
10	64QAM	25	0	21.46	21.51	21.49
10	64QAM	25	12	21.45	21.53	21.52
10	64QAM	25	25	21.54	21.60	21.56
10	64QAM	50	0	21.36	21.50	21.39
10	256QAM	1	0	19.48	19.61	19.54
10	256QAM	1	25	19.37	19.51	19.44
10	256QAM	1	49	19.46	19.60	19.45
10	256QAM	25	0	19.37	19.53	19.45
10	256QAM	25	12	19.39	19.55	19.47
10	256QAM	25	25	19.32	19.39	19.39
10	256QAM	50	0	19.44	19.51	19.34
Channel				23035	23095	23155
Frequency (MHz)				701.5	707.5	713.5
5	QPSK	1	0	24.34	24.53	24.48
5	QPSK	1	12	24.38	24.49	24.31
5	QPSK	1	24	24.24	24.46	24.43
5	QPSK	12	0	23.42	23.51	23.48
5	QPSK	12	7	23.32	23.41	23.40
5	QPSK	12	13	23.34	23.37	23.38
5	QPSK	25	0	23.29	23.47	23.45
5	16QAM	1	0	23.67	23.79	23.74
5	16QAM	1	12	23.73	23.84	23.77
5	16QAM	1	24	23.76	23.87	23.80



5	16QAM	12	0	22.32	22.43	22.39
5	16QAM	12	7	22.25	22.42	22.39
5	16QAM	12	13	22.32	22.55	22.43
5	16QAM	25	0	22.35	22.44	22.34
5	64QAM	1	0	22.44	22.59	22.48
5	64QAM	1	12	22.46	22.65	22.56
5	64QAM	1	24	22.54	22.74	22.58
5	64QAM	12	0	21.37	21.39	21.42
5	64QAM	12	7	21.44	21.42	21.42
5	64QAM	12	13	21.42	21.59	21.55
5	64QAM	25	0	21.26	21.49	21.32
5	256QAM	1	0	19.44	19.56	19.42
5	256QAM	1	12	19.33	19.44	19.32
5	256QAM	1	24	19.41	19.59	19.42
5	256QAM	12	0	19.36	19.52	19.44
5	256QAM	12	7	19.27	19.53	19.40
5	256QAM	12	13	19.21	19.32	19.30
5	256QAM	25	0	19.43	19.39	19.26
Channel				23025	23095	23165
Frequency (MHz)				700.5	707.5	714.5
3	QPSK	1	0	24.37	24.48	24.47
3	QPSK	1	8	24.31	24.48	24.42
3	QPSK	1	14	24.34	24.51	24.38
3	QPSK	8	0	23.45	23.52	23.46
3	QPSK	8	4	23.27	23.45	23.30
3	QPSK	8	7	23.36	23.41	23.39
3	QPSK	15	0	23.27	23.38	23.43
3	16QAM	1	0	23.66	23.82	23.81
3	16QAM	1	8	23.77	23.84	23.79
3	16QAM	1	14	23.77	23.91	23.86
3	16QAM	8	0	22.35	22.50	22.32
3	16QAM	8	4	22.27	22.40	22.34
3	16QAM	8	7	22.32	22.49	22.40
3	16QAM	15	0	22.42	22.48	22.38
3	64QAM	1	0	22.40	22.66	22.51
3	64QAM	1	8	22.48	22.69	22.54
3	64QAM	1	14	22.50	22.72	22.61
3	64QAM	8	0	21.34	21.46	21.37
3	64QAM	8	4	21.33	21.52	21.50
3	64QAM	8	7	21.48	21.52	21.50
3	64QAM	15	0	21.28	21.46	21.32
3	256QAM	1	0	19.42	19.59	19.45
3	256QAM	1	8	19.36	19.47	19.38
3	256QAM	1	14	19.40	19.56	19.35
3	256QAM	8	0	19.27	19.45	19.36



3	256QAM	8	4	19.36	19.51	19.40
3	256QAM	8	7	19.24	19.32	19.35
3	256QAM	15	0	19.42	19.45	19.27
Channel				23017	23095	23173
Frequency (MHz)				699.7	707.5	715.3
1.4	QPSK	1	0	24.37	24.56	24.54
1.4	QPSK	1	3	24.31	24.46	24.37
1.4	QPSK	1	5	24.34	24.41	24.39
1.4	QPSK	3	0	24.28	24.48	24.46
1.4	QPSK	3	1	24.28	24.38	24.31
1.4	QPSK	3	3	24.27	24.33	24.28
1.4	QPSK	6	0	23.34	23.39	23.38
1.4	16QAM	1	0	23.61	23.74	23.80
1.4	16QAM	1	3	23.75	23.81	23.79
1.4	16QAM	1	5	23.81	23.90	23.89
1.4	16QAM	3	0	23.55	23.64	23.70
1.4	16QAM	3	1	23.64	23.69	23.73
1.4	16QAM	3	3	23.78	23.80	23.77
1.4	16QAM	6	0	22.42	22.38	22.34
1.4	64QAM	1	0	22.42	22.60	22.46
1.4	64QAM	1	3	22.49	22.69	22.58
1.4	64QAM	1	5	22.55	22.68	22.65
1.4	64QAM	3	0	22.30	22.50	22.44
1.4	64QAM	3	1	22.43	22.68	22.49
1.4	64QAM	3	3	22.49	22.56	22.58
1.4	64QAM	6	0	21.24	21.44	21.33
1.4	256QAM	1	0	19.47	19.59	19.45
1.4	256QAM	1	3	19.34	19.40	19.41
1.4	256QAM	1	5	19.45	19.55	19.34
1.4	256QAM	3	0	19.32	19.50	19.38
1.4	256QAM	3	1	19.36	19.52	19.44
1.4	256QAM	3	3	19.21	19.33	19.27
1.4	256QAM	6	0	19.34	19.39	19.28



LTE 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	24.41	24.51	24.40
10	QPSK	1	25	24.43	24.48	24.43
10	QPSK	1	49	24.42	24.50	24.49
10	QPSK	25	0	23.33	23.52	23.34
10	QPSK	25	12	23.43	23.47	23.39
10	QPSK	25	25	23.45	23.44	23.44
10	QPSK	50	0	23.33	23.45	23.35
10	16QAM	1	0	23.69	23.75	23.63
10	16QAM	1	25	23.81	23.85	23.76
10	16QAM	1	49	23.92	23.94	23.86
10	16QAM	25	0	22.37	22.45	22.40
10	16QAM	25	12	22.46	22.50	22.41
10	16QAM	25	25	22.49	22.54	22.51
10	16QAM	50	0	22.38	22.46	22.42
10	64QAM	1	0	22.55	22.57	22.45
10	64QAM	1	25	22.63	22.65	22.53
10	64QAM	1	49	22.59	22.70	22.69
10	64QAM	25	0	21.39	21.45	21.36
10	64QAM	25	12	21.37	21.47	21.37
10	64QAM	25	25	21.43	21.53	21.44
10	64QAM	50	0	21.36	21.43	21.40
10	256QAM	1	0	19.53	19.60	19.55
10	256QAM	1	25	19.44	19.55	19.47
10	256QAM	1	49	19.47	19.54	19.52
10	256QAM	25	0	19.52	19.50	19.48
10	256QAM	25	12	19.44	19.49	19.43
10	256QAM	25	25	19.42	19.53	19.44
10	256QAM	50	0	19.35	19.51	19.51
Channel				23755	23790	23825
Frequency (MHz)				706.5	710	713.5
5	QPSK	1	0	24.35	24.50	24.28
5	QPSK	1	12	24.35	24.45	24.35
5	QPSK	1	24	24.41	24.44	24.40
5	QPSK	12	0	23.31	23.49	23.23
5	QPSK	12	7	23.42	23.39	23.38
5	QPSK	12	13	23.40	23.33	23.40
5	QPSK	25	0	23.26	23.36	23.31
5	16QAM	1	0	23.65	23.68	23.62
5	16QAM	1	12	23.77	23.84	23.74
5	16QAM	1	24	23.80	23.91	23.74



5	16QAM	12	0	22.27	22.43	22.39
5	16QAM	12	7	22.41	22.49	22.38
5	16QAM	12	13	22.40	22.53	22.46
5	16QAM	25	0	22.33	22.38	22.36
5	64QAM	1	0	22.46	22.54	22.34
5	64QAM	1	12	22.54	22.57	22.41
5	64QAM	1	24	22.58	22.61	22.65
5	64QAM	12	0	21.29	21.44	21.32
5	64QAM	12	7	21.31	21.36	21.30
5	64QAM	12	13	21.36	21.47	21.34
5	64QAM	25	0	21.32	21.41	21.28
5	256QAM	1	0	19.42	19.58	19.51
5	256QAM	1	12	19.40	19.43	19.36
5	256QAM	1	24	19.39	19.46	19.46
5	256QAM	12	0	19.44	19.48	19.46
5	256QAM	12	7	19.40	19.46	19.41
5	256QAM	12	13	19.36	19.43	19.37
5	256QAM	25	0	19.33	19.45	19.49



LTE Band 38_Ant.1

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	24.96	25.02	24.98
20	QPSK	1	49	24.85	24.96	24.90
20	QPSK	1	99	24.89	24.95	24.87
20	QPSK	50	0	24.06	24.16	24.12
20	QPSK	50	24	24.03	24.05	23.97
20	QPSK	50	50	24.01	24.15	24.10
20	QPSK	100	0	24.10	24.14	24.07
20	16QAM	1	0	23.97	24.02	23.97
20	16QAM	1	49	23.88	23.92	23.81
20	16QAM	1	99	23.94	24.03	23.94
20	16QAM	50	0	22.98	23.00	22.98
20	16QAM	50	24	22.95	22.97	22.95
20	16QAM	50	50	22.91	23.02	22.90
20	16QAM	100	0	22.83	22.95	22.91
20	64QAM	1	0	22.87	22.90	22.79
20	64QAM	1	49	22.82	22.88	22.84
20	64QAM	1	99	22.82	22.92	22.88
20	64QAM	50	0	21.91	22.01	22.00
20	64QAM	50	24	22.08	22.12	22.11
20	64QAM	50	50	21.98	22.07	22.01
20	64QAM	100	0	21.86	21.96	21.90
20	256QAM	1	0	19.89	19.91	19.87
20	256QAM	1	49	19.86	19.84	19.75
20	256QAM	1	99	19.84	19.87	19.81
20	256QAM	50	0	19.86	19.81	19.85
20	256QAM	50	24	19.87	19.86	19.77
20	256QAM	50	50	19.82	19.75	19.69
20	256QAM	100	0	19.79	19.86	19.80
Channel				37825	38000	38175
Frequency (MHz)				2577.5	2595	2612.5
15	QPSK	1	0	24.85	24.93	24.89
15	QPSK	1	37	24.74	24.92	24.88
15	QPSK	1	74	24.79	24.84	24.86
15	QPSK	36	0	24.05	24.04	24.04
15	QPSK	36	20	24.01	23.93	23.88
15	QPSK	36	39	24.03	24.09	24.02
15	QPSK	75	0	24.09	24.06	24.03
15	16QAM	1	0	23.91	23.96	23.85
15	16QAM	1	37	23.85	23.83	23.78
15	16QAM	1	74	23.82	23.96	23.84



15	16QAM	36	0	22.96	22.95	22.93
15	16QAM	36	20	22.89	22.95	22.89
15	16QAM	36	39	22.85	22.95	22.82
15	16QAM	75	0	22.82	22.90	22.87
15	64QAM	1	0	22.80	22.82	22.67
15	64QAM	1	37	22.77	22.81	22.82
15	64QAM	1	74	22.76	22.86	22.86
15	64QAM	36	0	21.84	21.99	21.92
15	64QAM	36	20	22.06	22.05	22.06
15	64QAM	36	39	21.89	22.03	21.90
15	64QAM	75	0	21.82	21.93	21.81
15	256QAM	1	0	19.79	19.82	19.85
15	256QAM	1	37	19.79	19.72	19.73
15	256QAM	1	74	19.72	19.82	19.77
15	256QAM	36	0	19.76	19.79	19.74
15	256QAM	36	20	19.85	19.76	19.72
15	256QAM	36	39	19.78	19.67	19.65
15	256QAM	75	0	19.68	19.84	19.76
Channel				37800	38000	38200
Frequency (MHz)				2575	2595	2615
10	QPSK	1	0	24.95	24.93	24.89
10	QPSK	1	25	24.82	24.92	24.78
10	QPSK	1	49	24.80	24.85	24.75
10	QPSK	25	0	23.96	24.10	24.09
10	QPSK	25	12	24.01	23.99	23.87
10	QPSK	25	25	24.03	24.10	24.01
10	QPSK	50	0	23.99	24.04	23.96
10	16QAM	1	0	23.88	24.00	23.87
10	16QAM	1	25	23.85	23.88	23.71
10	16QAM	1	49	23.84	23.99	23.90
10	16QAM	25	0	22.91	22.95	22.89
10	16QAM	25	12	22.90	22.87	22.88
10	16QAM	25	25	22.81	22.95	22.87
10	16QAM	50	0	22.74	22.91	22.87
10	64QAM	1	0	22.79	22.87	22.70
10	64QAM	1	25	22.74	22.82	22.82
10	64QAM	1	49	22.71	22.90	22.85
10	64QAM	25	0	21.79	21.97	21.99
10	64QAM	25	12	22.03	22.02	22.06
10	64QAM	25	25	21.96	21.97	21.99
10	64QAM	50	0	21.84	21.91	21.84
10	256QAM	1	0	19.84	19.81	19.79
10	256QAM	1	25	19.83	19.83	19.71
10	256QAM	1	49	19.81	19.76	19.76
10	256QAM	25	0	19.77	19.70	19.84



10	256QAM	25	12	19.76	19.83	19.65
10	256QAM	25	25	19.73	19.74	19.59
10	256QAM	50	0	19.72	19.84	19.69
Channel				37775	38000	38225
Frequency (MHz)				2572.5	2595	2617.5
5	QPSK	1	0	24.91	25.00	24.90
5	QPSK	1	12	24.76	24.91	24.80
5	QPSK	1	24	24.81	24.86	24.79
5	QPSK	12	0	23.97	24.14	24.05
5	QPSK	12	7	24.00	23.99	23.90
5	QPSK	12	13	24.01	24.13	24.04
5	QPSK	25	0	24.06	24.02	24.00
5	16QAM	1	0	23.95	23.96	23.95
5	16QAM	1	12	23.84	23.83	23.75
5	16QAM	1	24	23.88	23.92	23.92
5	16QAM	12	0	22.91	22.97	22.94
5	16QAM	12	7	22.93	22.86	22.84
5	16QAM	12	13	22.79	22.96	22.85
5	16QAM	25	0	22.75	22.93	22.89
5	64QAM	1	0	22.80	22.82	22.70
5	64QAM	1	12	22.80	22.83	22.78
5	64QAM	1	24	22.78	22.87	22.81
5	64QAM	12	0	21.88	22.00	21.99
5	64QAM	12	7	22.07	22.06	22.05
5	64QAM	12	13	21.97	22.02	21.93
5	64QAM	25	0	21.82	21.94	21.88
5	256QAM	1	0	19.80	19.86	19.84
5	256QAM	1	12	19.79	19.74	19.70
5	256QAM	1	24	19.81	19.76	19.79
5	256QAM	12	0	19.82	19.76	19.75
5	256QAM	12	7	19.78	19.80	19.68
5	256QAM	12	13	19.72	19.69	19.67
5	256QAM	25	0	19.77	19.78	19.79



LTE Band 41(HPUE) _Ant.1

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	26.87	27.19	26.93
20	QPSK	1	49	26.73	26.77	26.72
20	QPSK	1	99	26.80	26.86	26.80
20	QPSK	50	0	25.90	25.94	25.92
20	QPSK	50	24	25.79	25.81	25.76
20	QPSK	50	50	25.77	25.85	25.74
20	QPSK	100	0	25.85	25.91	25.88
20	16QAM	1	0	26.05	26.16	26.09
20	16QAM	1	49	26.31	26.33	26.25
20	16QAM	1	99	25.82	25.94	25.85
20	16QAM	50	0	24.70	24.81	24.72
20	16QAM	50	24	24.90	24.93	24.86
20	16QAM	50	50	24.82	24.91	24.83
20	16QAM	100	0	24.84	24.96	24.92
20	64QAM	1	0	25.17	25.25	25.16
20	64QAM	1	49	25.13	25.17	25.16
20	64QAM	1	99	24.85	24.95	24.87
20	64QAM	50	0	23.87	23.93	23.82
20	64QAM	50	24	23.82	23.91	23.82
20	64QAM	50	50	23.78	23.87	23.82
20	64QAM	100	0	23.78	23.89	23.85
20	256QAM	1	0	22.12	22.19	22.08
20	256QAM	1	49	21.93	21.98	21.89
20	256QAM	1	99	22.03	22.08	22.06
20	256QAM	50	0	21.79	21.88	21.79
20	256QAM	50	24	21.90	21.91	21.83
20	256QAM	50	50	21.87	21.93	21.87
20	256QAM	100	0	21.75	21.84	21.78
Channel				39725	40620	41515
Frequency (MHz)				2503.5	2593	2682.5
15	QPSK	1	0	26.84	27.06	26.91
15	QPSK	1	37	26.61	26.72	26.68
15	QPSK	1	74	26.73	26.76	26.69
15	QPSK	36	0	25.85	25.85	25.81
15	QPSK	36	20	25.69	25.69	25.63
15	QPSK	36	39	25.75	25.77	25.69
15	QPSK	75	0	25.80	25.80	25.79
15	16QAM	1	0	25.92	26.12	26.07
15	16QAM	1	37	26.23	26.32	26.17
15	16QAM	1	74	25.74	25.82	25.75



15	16QAM	36	0	24.64	24.75	24.67
15	16QAM	36	20	24.80	24.81	24.85
15	16QAM	36	39	24.81	24.90	24.82
15	16QAM	75	0	24.81	24.86	24.89
15	64QAM	1	0	25.03	25.15	25.03
15	64QAM	1	37	25.03	25.12	25.03
15	64QAM	1	74	24.82	24.85	24.78
15	64QAM	36	0	23.77	23.88	23.78
15	64QAM	36	20	23.79	23.89	23.75
15	64QAM	36	39	23.72	23.79	23.77
15	64QAM	75	0	23.73	23.80	23.76
15	256QAM	1	0	21.96	22.13	21.94
15	256QAM	1	37	21.85	21.82	21.72
15	256QAM	1	74	21.96	22.07	21.91
15	256QAM	36	0	21.63	21.72	21.63
15	256QAM	36	20	21.78	21.77	21.73
15	256QAM	36	39	21.85	21.74	21.67
15	256QAM	75	0	21.65	21.81	21.69
Channel				39700	40620	41540
Frequency (MHz)				2501	2593	2685
10	QPSK	1	0	26.82	27.17	26.83
10	QPSK	1	25	26.55	26.73	26.59
10	QPSK	1	49	26.63	26.78	26.69
10	QPSK	25	0	25.74	25.87	25.86
10	QPSK	25	12	25.56	25.69	25.74
10	QPSK	25	25	25.68	25.81	25.61
10	QPSK	50	0	25.68	25.78	25.75
10	16QAM	1	0	25.88	26.03	26.01
10	16QAM	1	25	26.18	26.30	26.15
10	16QAM	1	49	25.68	25.87	25.84
10	16QAM	25	0	24.53	24.74	24.65
10	16QAM	25	12	24.77	24.88	24.74
10	16QAM	25	25	24.77	24.87	24.71
10	16QAM	50	0	24.76	24.91	24.86
10	64QAM	1	0	24.88	25.14	25.10
10	64QAM	1	25	24.99	25.03	25.05
10	64QAM	1	49	24.73	24.87	24.77
10	64QAM	25	0	23.69	23.88	23.78
10	64QAM	25	12	23.76	23.86	23.75
10	64QAM	25	25	23.64	23.79	23.78
10	64QAM	50	0	23.66	23.84	23.78
10	256QAM	1	0	21.82	22.07	22.05
10	256QAM	1	25	21.81	21.93	21.81
10	256QAM	1	49	21.82	21.98	21.91
10	256QAM	25	0	21.44	21.74	21.76



10	256QAM	25	12	21.72	21.77	21.64
10	256QAM	25	25	21.74	21.90	21.69
10	256QAM	50	0	21.45	21.82	21.66
Channel				39675	40620	41565
Frequency (MHz)				2498.5	2593	2687.5
5	QPSK	1	0	26.78	27.17	26.89
5	QPSK	1	12	26.53	26.72	26.64
5	QPSK	1	24	26.61	26.74	26.71
5	QPSK	12	0	25.84	25.84	25.86
5	QPSK	12	7	25.59	25.68	25.68
5	QPSK	12	13	25.72	25.77	25.64
5	QPSK	25	0	25.77	25.85	25.80
5	16QAM	1	0	25.84	26.04	25.98
5	16QAM	1	12	26.20	26.23	26.14
5	16QAM	1	24	25.69	25.89	25.74
5	16QAM	12	0	24.63	24.75	24.61
5	16QAM	12	7	24.68	24.87	24.78
5	16QAM	12	13	24.80	24.88	24.74
5	16QAM	25	0	24.71	24.91	24.85
5	64QAM	1	0	24.96	25.10	25.05
5	64QAM	1	12	24.94	25.13	25.02
5	64QAM	1	24	24.73	24.80	24.76
5	64QAM	12	0	23.73	23.85	23.79
5	64QAM	12	7	23.70	23.88	23.81
5	64QAM	12	13	23.63	23.86	23.77
5	64QAM	25	0	23.66	23.84	23.79
5	256QAM	1	0	21.87	22.00	22.05
5	256QAM	1	12	21.74	21.78	21.88
5	256QAM	1	24	21.83	21.88	21.98
5	256QAM	12	0	21.43	21.87	21.59
5	256QAM	12	7	21.68	21.75	21.64
5	256QAM	12	13	21.80	21.85	21.77
5	256QAM	25	0	21.53	21.83	21.68



LTE 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	24.41	24.47	24.22
20	QPSK	1	49	24.24	24.36	24.15
20	QPSK	1	99	24.08	24.11	24.05
20	QPSK	50	0	23.38	23.42	23.29
20	QPSK	50	24	23.17	23.29	23.05
20	QPSK	50	50	23.31	23.33	23.25
20	QPSK	100	0	23.24	23.30	23.15
20	16QAM	1	0	23.51	23.61	23.45
20	16QAM	1	49	23.59	23.71	23.58
20	16QAM	1	99	23.35	23.47	23.31
20	16QAM	50	0	22.39	22.40	22.32
20	16QAM	50	24	22.33	22.34	22.27
20	16QAM	50	50	22.18	22.24	22.06
20	16QAM	100	0	22.26	22.35	22.17
20	64QAM	1	0	22.54	22.57	22.49
20	64QAM	1	49	22.46	22.51	22.35
20	64QAM	1	99	22.28	22.30	22.16
20	64QAM	50	0	21.25	21.30	21.14
20	64QAM	50	24	21.30	21.31	21.22
20	64QAM	50	50	21.28	21.32	21.27
20	64QAM	100	0	21.35	21.36	21.24
20	256QAM	1	0	19.42	19.50	19.31
20	256QAM	1	49	19.47	19.51	19.43
20	256QAM	1	99	19.41	19.42	19.36
20	256QAM	50	0	19.37	19.39	19.31
20	256QAM	50	24	19.38	19.42	19.32
20	256QAM	50	50	19.34	19.38	19.28
20	256QAM	100	0	19.29	19.40	19.24
Channel				133197	133297	133397
Frequency (MHz)				670.5	680.5	690.5
15	QPSK	1	0	24.37	24.36	24.15
15	QPSK	1	37	24.23	24.30	24.12
15	QPSK	1	74	24.01	24.03	24.09
15	QPSK	36	0	23.37	23.30	23.24
15	QPSK	36	20	23.09	23.23	23.05
15	QPSK	36	39	23.23	23.25	23.18
15	QPSK	75	0	23.17	23.28	23.14
15	16QAM	1	0	23.47	23.59	23.35
15	16QAM	1	37	23.47	23.59	23.56
15	16QAM	1	74	23.32	23.40	23.19



15	16QAM	36	0	22.35	22.33	22.29
15	16QAM	36	20	22.23	22.32	22.25
15	16QAM	36	39	22.12	22.21	22.03
15	16QAM	75	0	22.14	22.24	22.07
15	64QAM	1	0	22.44	22.53	22.39
15	64QAM	1	37	22.40	22.47	22.34
15	64QAM	1	74	22.22	22.29	22.07
15	64QAM	36	0	21.22	21.21	21.04
15	64QAM	36	20	21.29	21.27	21.18
15	64QAM	36	39	21.20	21.20	21.18
15	64QAM	75	0	21.33	21.28	21.21
15	256QAM	1	0	19.40	19.39	19.23
15	256QAM	1	37	19.44	19.45	19.34
15	256QAM	1	74	19.29	19.41	19.35
15	256QAM	36	0	19.29	19.36	19.28
15	256QAM	36	20	19.35	19.39	19.27
15	256QAM	36	39	19.26	19.36	19.18
15	256QAM	75	0	19.23	19.37	19.22
Channel				133172	133297	133422
Frequency (MHz)				668	680.5	693
10	QPSK	1	0	24.38	24.35	24.10
10	QPSK	1	25	24.18	24.35	24.07
10	QPSK	1	49	24.00	24.01	24.03
10	QPSK	25	0	23.32	23.31	23.19
10	QPSK	25	12	23.15	23.25	23.04
10	QPSK	25	25	23.27	23.28	23.23
10	QPSK	50	0	23.15	23.22	23.12
10	16QAM	1	0	23.41	23.49	23.41
10	16QAM	1	25	23.50	23.61	23.55
10	16QAM	1	49	23.31	23.37	23.30
10	16QAM	25	0	22.27	22.35	22.20
10	16QAM	25	12	22.30	22.33	22.24
10	16QAM	25	25	22.16	22.18	22.03
10	16QAM	50	0	22.17	22.30	22.15
10	64QAM	1	0	22.43	22.55	22.38
10	64QAM	1	25	22.35	22.45	22.24
10	64QAM	1	49	22.18	22.29	22.24
10	64QAM	25	0	21.22	21.19	21.05
10	64QAM	25	12	21.23	21.29	21.19
10	64QAM	25	25	21.18	21.31	21.20
10	64QAM	50	0	21.33	21.27	21.21
10	256QAM	1	0	19.36	19.48	19.29
10	256QAM	1	25	19.36	19.43	19.37
10	256QAM	1	49	19.40	19.39	19.28
10	256QAM	25	0	19.26	19.28	19.21



10	256QAM	25	12	19.34	19.41	19.31
10	256QAM	25	25	19.25	19.26	19.18
10	256QAM	50	0	19.20	19.35	19.23
Channel				133147	133297	133447
Frequency (MHz)				665.5	680.5	695.5
5	QPSK	1	0	24.38	24.37	24.19
5	QPSK	1	12	24.23	24.25	24.04
5	QPSK	1	24	24.00	24.01	24.07
5	QPSK	12	0	23.28	23.39	23.22
5	QPSK	12	7	23.05	23.22	23.02
5	QPSK	12	13	23.20	23.25	23.21
5	QPSK	25	0	23.21	23.23	23.06
5	16QAM	1	0	23.40	23.57	23.43
5	16QAM	1	12	23.51	23.70	23.54
5	16QAM	1	24	23.24	23.39	23.20
5	16QAM	12	0	22.32	22.32	22.25
5	16QAM	12	7	22.29	22.33	22.17
5	16QAM	12	13	22.14	22.23	22.03
5	16QAM	25	0	22.23	22.33	22.08
5	64QAM	1	0	22.44	22.50	22.47
5	64QAM	1	12	22.45	22.46	22.29
5	64QAM	1	24	22.25	22.21	22.11
5	64QAM	12	0	21.23	21.20	21.03
5	64QAM	12	7	21.19	21.24	21.15
5	64QAM	12	13	21.19	21.20	21.26
5	64QAM	25	0	21.23	21.24	21.23
5	256QAM	1	0	19.39	19.40	19.26
5	256QAM	1	12	19.37	19.43	19.31
5	256QAM	1	24	19.34	19.32	19.25
5	256QAM	12	0	19.30	19.35	19.23
5	256QAM	12	7	19.26	19.38	19.28
5	256QAM	12	13	19.27	19.28	19.22
5	256QAM	25	0	19.25	19.28	19.16



ERP/EIRP

LTE Band 7 (GT - LC = -0.36 dB) QPSK			
Bandwidth	5M		
Channel	20775	21100	21425
	(Low)	(Mid)	(High)
Frequency	2502.5		
(MHz)	2535		
Conducted Power (dBm)	24.68	25.01	24.69
Conducted Power (Watts)	0.2938	0.3170	0.2944
EIRP(dBm)	24.32	24.65	24.33
EIRP(Watts)	0.2704	0.2917	0.2710

LTE Band 7 (GT - LC = -0.36 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			2560		
(MHz)	2565			2507.5			2535		
Conducted Power (dBm)	24.72	25.01	24.74	24.73	24.93	24.79	24.79	25.03	24.80
Conducted Power (Watts)	0.2965	0.3170	0.2979	0.2972	0.3112	0.3013	0.3013	0.3184	0.3020
EIRP(dBm)	24.36	24.65	24.38	24.37	24.57	24.43	24.43	24.67	24.44
EIRP(Watts)	0.2729	0.2917	0.2742	0.2735	0.2864	0.2773	0.2773	0.2931	0.2780



LTE Band 7 (GT - LC = -0.36 dB) 16QAM			
Bandwidth	5M		
Channel	20775	21100	21425
	(Low)	(Mid)	(High)
Frequency (MHz)	2502.5	2535	2567.5
	Conducted Power (dBm)	24.16	24.28
Conducted Power (Watts)	0.2606	0.2679	0.2606
EIRP(dBm)	23.80	23.92	23.80
EIRP(Watts)	0.2399	0.2466	0.2399

LTE Band 7 (GT - LC = -0.36 dB) 16QAM									
Bandwidth	10M			15M			20M		
Channel	20800	21100	21400	20825	21100	21375	20850	21100	21350
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	2505	2535	2565	2507.5	2535	2562.5	2510	2535	2560
	Conducted Power (dBm)	24.23	24.30	24.11	24.21	24.34	24.11	24.24	24.39
Conducted Power (Watts)	0.2649	0.2692	0.2576	0.2636	0.2716	0.2576	0.2655	0.2748	0.2636
EIRP(dBm)	23.87	23.94	23.75	23.85	23.98	23.75	23.88	24.03	23.85
EIRP(Watts)	0.2438	0.2477	0.2371	0.2427	0.2500	0.2371	0.2443	0.2529	0.2427



LTE Band 7 (GT - LC = -0.36 dB) 64QAM			
Bandwidth	5M		
Channel	20775	21100	21425
	(Low)	(Mid)	(High)
Frequency (MHz)	2502.5	2535	2567.5
	Conducted Power (dBm)	23.11	23.18
Conducted Power (Watts)	0.2046	0.2080	0.2009
EIRP(dBm)	22.75	22.82	22.67
EIRP(Watts)	0.1884	0.1914	0.1849

LTE Band 7 (GT - LC = -0.36 dB) 64QAM									
Bandwidth	10M			15M			20M		
Channel	20800	21100	21400	20825	21100	21375	20850	21100	21350
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	2505	2535	2565	2507.5	2535	2562.5	2510	2535	2560
	Conducted Power (dBm)	22.98	23.15	23.02	23.03	23.14	23.01	23.08	23.20
Conducted Power (Watts)	0.1986	0.2065	0.2004	0.2009	0.2061	0.2000	0.2032	0.2089	0.2018
EIRP(dBm)	22.62	22.79	22.66	22.67	22.78	22.65	22.72	22.84	22.69
EIRP(Watts)	0.1828	0.1901	0.1845	0.1849	0.1897	0.1841	0.1871	0.1923	0.1858



LTE Band 7 (GT - LC = -0.36 dB) 256QAM			
Bandwidth	5M		
Channel	20775	21100	21425
	(Low)	(Mid)	(High)
Frequency	2502.5	2535	2567.5
(MHz)			
Conducted Power (dBm)	20.02	20.19	20.10
Conducted Power (Watts)	0.1005	0.1045	0.1023
EIRP(dBm)	19.66	19.83	19.74
EIRP(Watts)	0.0925	0.0962	0.0942

LTE Band 7 (GT - LC = -0.36 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	2505	2535	2565	2507.5	2535	2562.5	2510	2535	2560
(MHz)									
Conducted Power (dBm)	20.06	20.19	20.11	19.77	20.17	19.97	20.09	20.24	20.17
Conducted Power (Watts)	0.1014	0.1045	0.1026	0.0948	0.1040	0.0993	0.1021	0.1057	0.1040
EIRP(dBm)	19.70	19.83	19.75	19.41	19.81	19.61	19.73	19.88	19.81
EIRP(Watts)	0.0933	0.0962	0.0944	0.0873	0.0957	0.0914	0.0940	0.0973	0.0957



LTE Band 12 (GT - LC = -2.56 dB) QPSK									
Bandwidth	1.4M			3M			5M		
Channel	23017	23095	23173	23025	23095	23165	23035	23095	23155
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	699.7	707.5	715.3	700.5	707.5	714.5	701.5	707.5	713.5
Conducted Power (dBm)	24.37	24.56	24.54	24.34	24.51	24.38	24.34	24.53	24.48
Conducted Power (Watts)	0.2735	0.2858	0.2844	0.2716	0.2825	0.2742	0.2716	0.2838	0.2805
ERP(dBm)	19.66	19.85	19.83	19.63	19.80	19.67	19.63	19.82	19.77
ERP(Watts)	0.0925	0.0966	0.0962	0.0918	0.0955	0.0927	0.0918	0.0959	0.0948

LTE Band 12 (GT - LC = -2.56 dB) QPSK			
Bandwidth	10M		
Channel	23060	23095	23130
	(Low)	(Mid)	(High)
Frequency (MHz)	704	707.5	711
Conducted Power (dBm)	24.41	24.57	24.55
Conducted Power (Watts)	0.2761	0.2864	0.2851
ERP(dBm)	19.70	19.86	19.84
ERP(Watts)	0.0933	0.0968	0.0964



LTE Band 12 (GT - LC = -2.56 dB) 16QAM									
Bandwidth	1.4M			3M			5M		
Channel	23017	23095	23173	23025	23095	23165	23035	23095	23155
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	699.7	707.5	715.3	700.5	707.5	714.5	701.5	707.5	713.5
Conducted Power (dBm)	23.81	23.90	23.89	23.77	23.91	23.86	23.76	23.87	23.80
Conducted Power (Watts)	0.2404	0.2455	0.2449	0.2382	0.2460	0.2432	0.2377	0.2438	0.2399
ERP(dBm)	19.10	19.19	19.18	19.06	19.20	19.15	19.05	19.16	19.09
ERP(Watts)	0.0813	0.0830	0.0828	0.0805	0.0832	0.0822	0.0804	0.0824	0.0811

LTE Band 12 (GT - LC = -2.56 dB) 16QAM			
Bandwidth	10M		
Channel	23060	23095	23130
	(Low)	(Mid)	(High)
Frequency (MHz)	704	707.5	711
Conducted Power (dBm)	23.88	23.98	23.90
Conducted Power (Watts)	0.2443	0.2500	0.2455
ERP(dBm)	19.17	19.27	19.19
ERP(Watts)	0.0826	0.0845	0.0830



LTE Band 12 (GT - LC = -2.56 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)	22.49	22.69	22.58	22.50	22.72	22.61	22.54	22.74	22.58
Conducted Power (Watts)	0.1774	0.1858	0.1811	0.1778	0.1871	0.1824	0.1795	0.1879	0.1811
ERP(dBm)	17.78	17.98	17.87	17.79	18.01	17.90	17.83	18.03	17.87
ERP(Watts)	0.0600	0.0628	0.0612	0.0601	0.0632	0.0617	0.0607	0.0635	0.0612

LTE Band 12 (GT - LC = -2.56 dB) 64QAM			
Bandwidth	10M		
Channel	23060	23095	23130
	(Low)	(Mid)	(High)
Frequency (MHz)	704	707.5	711
Conducted Power (dBm)	22.55	22.77	22.66
Conducted Power (Watts)	0.1799	0.1892	0.1845
ERP(dBm)	17.84	18.06	17.95
ERP(Watts)	0.0608	0.0640	0.0624



LTE Band 12 (GT - LC = -2.56 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)	19.47	19.59	19.45	19.42	19.59	19.45	19.41	19.59	19.42
Conducted Power (Watts)	0.0885	0.0910	0.0881	0.0875	0.0910	0.0881	0.0873	0.0910	0.0875
ERP(dBm)	14.76	14.88	14.74	14.71	14.88	14.74	14.70	14.88	14.71
ERP(Watts)	0.0299	0.0308	0.0298	0.0296	0.0308	0.0298	0.0295	0.0308	0.0296

LTE Band 12 (GT - LC = -2.56 dB) 256QAM			
Bandwidth	10M		
Channel	23060	23095	23130
	(Low)	(Mid)	(High)
Frequency (MHz)	704	707.5	711
Conducted Power (dBm)	19.48	19.61	19.54
Conducted Power (Watts)	0.0887	0.0914	0.0899
ERP(dBm)	14.77	14.90	14.83
ERP(Watts)	0.0300	0.0309	0.0304



LTE Band 41 (G _T - L _C = -0.36dB) 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)	26.78	27.17	26.89	26.82	27.17	26.83	26.84	27.06	26.91
Conducted Power (Watts)	0.4764	0.5212	0.4887	0.4808	0.5212	0.4819	0.4831	0.5082	0.4909
EIRP(dBm)	26.42	26.81	26.53	26.46	26.81	26.47	26.48	26.70	26.55
EIRP(Watts)	0.4385	0.4797	0.4498	0.4426	0.4797	0.4436	0.4446	0.4677	0.4519

LTE Band 41 (G _T - L _C = -0.36dB) QPSK			
Bandwidth	20M		
Channel	39750	40620	41490
	(Low)	(Mid)	(High)
Frequency (MHz)	2506	2593	2680
Conducted Power (dBm)	26.87	27.19	26.93
Conducted Power (Watts)	0.4864	0.5236	0.4932
EIRP(dBm)	26.51	26.83	26.57
EIRP(Watts)	0.4477	0.4819	0.4539



LTE Band 41 (G _T - L _C = -0.36dB) 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)	26.20	26.23	26.14	26.18	26.30	26.15	26.23	26.32	26.17
Conducted Power (Watts)	0.4169	0.4198	0.4111	0.4150	0.4266	0.4121	0.4198	0.4285	0.4140
EIRP(dBm)	25.84	25.87	25.78	25.82	25.94	25.79	25.87	25.96	25.81
EIRP(Watts)	0.3837	0.3864	0.3784	0.3819	0.3926	0.3793	0.3864	0.3945	0.3811

LTE Band 41 (G _T - L _C = -0.36dB) 16QAM			
Bandwidth	20M		
Channel	39750	40620	41490
	(Low)	(Mid)	(High)
Frequency	2506	2593	2680
(MHz)			
Conducted Power (dBm)	26.31	26.33	26.25
Conducted Power (Watts)	0.4276	0.4295	0.4217
EIRP(dBm)	25.95	25.97	25.89
EIRP(Watts)	0.3936	0.3954	0.3882



LTE Band 41 (G _T - L _C = -0.36dB) 64QAM									
Bandwidth	5M			10M			15M		
Channel	39675	40620	41565	39700	40620	41540	39725	40620	41515
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	2498.5	2593	2687.5	2501	2593	2685	2503.5	2593	2682.5
Conducted Power (dBm)	24.94	25.13	25.02	24.88	25.14	25.10	25.03	25.15	25.03
Conducted Power (Watts)	0.3119	0.3258	0.3177	0.3076	0.3266	0.3236	0.3184	0.3273	0.3184
EIRP(dBm)	24.58	24.77	24.66	24.52	24.78	24.74	24.67	24.79	24.67
EIRP(Watts)	0.2871	0.2999	0.2924	0.2831	0.3006	0.2979	0.2931	0.3013	0.2931

LTE Band 41 (G _T - L _C = -0.36dB) 64QAM			
Bandwidth	20M		
Channel	39750	40620	41490
	(Low)	(Mid)	(High)
Frequency (MHz)	2506	2593	2680
Conducted Power (dBm)	25.17	25.25	25.16
Conducted Power (Watts)	0.3289	0.3350	0.3281
EIRP(dBm)	24.81	24.89	24.80
EIRP(Watts)	0.3027	0.3083	0.3020



LTE Band 41 (G _T - L _C = -0.36dB) 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)	21.87	22.00	22.05	21.82	22.07	22.05	21.96	22.13	21.94
Conducted Power (Watts)	0.1538	0.1585	0.1603	0.1521	0.1611	0.1603	0.1570	0.1633	0.1563
EIRP(dBm)	21.51	21.64	21.69	21.46	21.71	21.69	21.60	21.77	21.58
EIRP(Watts)	0.1416	0.1459	0.1476	0.1400	0.1483	0.1476	0.1445	0.1503	0.1439

LTE Band 41 (G _T - L _C = -0.36dB) 256QAM			
Bandwidth	20M		
Channel	39750	40620	41490
	(Low)	(Mid)	(High)
Frequency (MHz)	2506	2593	2680
Conducted Power (dBm)	22.12	22.19	22.08
Conducted Power (Watts)	0.1629	0.1656	0.1614
EIRP(dBm)	21.76	21.83	21.72
EIRP(Watts)	0.1500	0.1524	0.1486



LTE Band 71 (GT - LC = -2.77 dB) QPSK									
Bandwidth	5M			10M			15M		
Channel	133147	133297	133447	133172	133297	133422	133197	133297	133397
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	665.5	680.5	695.5	668	680.5	693	670.5	680.5	690.5
Conducted Power (dBm)	24.38	24.37	24.19	24.38	24.35	24.10	24.37	24.36	24.15
Conducted Power (Watts)	0.2742	0.2735	0.2624	0.2742	0.2723	0.2570	0.2735	0.2729	0.2600
ERP(dBm)	19.46	19.45	19.27	19.46	19.43	19.18	19.45	19.44	19.23
ERP(Watts)	0.0883	0.0881	0.0845	0.0883	0.0877	0.0828	0.0881	0.0879	0.0838

LTE Band 71 (GT - LC = -2.77 dB) QPSK			
Bandwidth	20M		
Channel	133222	133297	133372
	(Low)	(Mid)	(High)
Frequency (MHz)	673	680.5	688
Conducted Power (dBm)	24.41	24.47	24.22
Conducted Power (Watts)	0.2761	0.2799	0.2642
ERP(dBm)	19.49	19.55	19.30
ERP(Watts)	0.0889	0.0902	0.0851



LTE Band 71 (GT - LC = -2.77 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)	23.51	23.70	23.54	23.50	23.61	23.55	23.47	23.59	23.56
Conducted Power (Watts)	0.2244	0.2344	0.2259	0.2239	0.2296	0.2265	0.2223	0.2286	0.2270
ERP(dBm)	18.59	18.78	18.62	18.58	18.69	18.63	18.55	18.67	18.64
ERP(Watts)	0.0723	0.0755	0.0728	0.0721	0.0740	0.0729	0.0716	0.0736	0.0731

LTE Band 71 (GT - LC = -2.77 dB) 16QAM			
Bandwidth	20M		
Channel	133222	133297	133372
	(Low)	(Mid)	(High)
Frequency	673	680.5	688
(MHz)			
Conducted Power (dBm)	23.59	23.71	23.58
Conducted Power (Watts)	0.2286	0.2350	0.2280
ERP(dBm)	18.67	18.79	18.66
ERP(Watts)	0.0736	0.0757	0.0735



LTE Band 71 (GT - LC = -2.77 dB) 64QAM									
Bandwidth	5M			10M			15M		
Channel	133147	133297	133447	133172	133297	133422	133197	133297	133397
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	665.5	680.5	695.5	668	680.5	693	670.5	680.5	690.5
Conducted Power (dBm)	22.44	22.50	22.47	22.43	22.55	22.38	22.44	22.53	22.39
Conducted Power (Watts)	0.1754	0.1778	0.1766	0.1750	0.1799	0.1730	0.1754	0.1791	0.1734
ERP(dBm)	17.52	17.58	17.55	17.51	17.63	17.46	17.52	17.61	17.47
ERP(Watts)	0.0565	0.0573	0.0569	0.0564	0.0579	0.0557	0.0565	0.0577	0.0558

LTE Band 71 (GT - LC = -2.77 dB) 64QAM			
Bandwidth	20M		
Channel	133222	133297	133372
	(Low)	(Mid)	(High)
Frequency (MHz)	673	680.5	688
Conducted Power (dBm)	22.54	22.57	22.49
Conducted Power (Watts)	0.1795	0.1807	0.1774
ERP(dBm)	17.62	17.65	17.57
ERP(Watts)	0.0578	0.0582	0.0571



LTE Band 71 (GT - LC = -2.77 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)	19.37	19.43	19.31	19.36	19.48	19.29	19.44	19.45	19.34
Conducted Power (Watts)	0.0865	0.0877	0.0853	0.0863	0.0887	0.0849	0.0879	0.0881	0.0859
ERP(dBm)	14.45	14.51	14.39	14.44	14.56	14.37	14.52	14.53	14.42
ERP(Watts)	0.0279	0.0282	0.0275	0.0278	0.0286	0.0274	0.0283	0.0284	0.0277

LTE Band 71 (GT - LC = -2.77 dB) 256QAM			
Bandwidth	20M		
Channel	133222	133297	133372
	(Low)	(Mid)	(High)
Frequency	673	680.5	688
(MHz)			
Conducted Power (dBm)	19.47	19.51	19.43
Conducted Power (Watts)	0.0885	0.0893	0.0877
ERP(dBm)	14.55	14.59	14.51
ERP(Watts)	0.0285	0.0288	0.0282



CA Power and EIRP

CA_7C_Ant 1									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	EIRP(W)
			RB Size	RB offset	RB Size	RB offset			
20850	21048	QPSK	100	0	100	0	200	16.82	0.0443
			1	0	1	99	2	10.37	0.0100
			1	99	1	0	2	18.86	0.0708
		16QAM	100	0	100	0	200	15.83	0.0352
			1	0	1	99	2	10.46	0.0102
			1	99	1	0	2	17.94	0.0573
		64QAM	100	0	100	0	200	15.81	0.0351
			1	0	1	99	2	10.44	0.0102
			1	99	1	0	2	16.93	0.0454
		256QAM	100	0	100	0	200	13.93	0.0228
			1	0	1	99	2	10.65	0.0107
			1	99	1	0	2	13.83	0.0222
21001	21199	QPSK	100	0	100	0	200	16.79	0.0440
			1	0	1	99	2	10.34	0.0100
			1	99	1	0	2	18.77	0.0693
		16QAM	100	0	100	0	200	15.75	0.0346
			1	0	1	99	2	10.35	0.0100
			1	99	1	0	2	17.83	0.0558
		64QAM	100	0	100	0	200	15.75	0.0346
			1	0	1	99	2	10.34	0.0100
			1	99	1	0	2	16.86	0.0447
		256QAM	100	0	100	0	200	13.90	0.0226
			1	0	1	99	2	10.62	0.0106
			1	99	1	0	2	13.77	0.0219
21152	21350	QPSK	100	0	100	0	200	16.76	0.0437
			1	0	1	99	2	10.24	0.0097
			1	99	1	0	2	18.75	0.0690
		16QAM	100	0	100	0	200	15.81	0.0351
			1	0	1	99	2	10.34	0.0100
			1	99	1	0	2	17.87	0.0564
		64QAM	100	0	100	0	200	15.76	0.0347
			1	0	1	99	2	10.31	0.0099
			1	99	1	0	2	16.86	0.0447
		256QAM	100	0	100	0	200	13.83	0.0222
			1	0	1	99	2	10.62	0.0106
			1	99	1	0	2	13.72	0.0217



Combination 20MHz+15MHz (100RB+75RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	EIRP(W)
			RB Size	RB offset	RB Size	RB offset			
20850	21021	QPSK	100	0	75	0	175	16.86	0.0447
			1	0	1	74	2	10.39	0.0101
			1	99	1	0	2	18.83	0.0703
		16QAM	100	0	75	0	175	15.97	0.0364
			1	0	1	74	2	10.68	0.0108
			1	99	1	0	2	17.96	0.0575
		64QAM	100	0	75	0	175	15.88	0.0356
			1	0	1	74	2	10.71	0.0108
			1	99	1	0	2	17.11	0.0473
		256QAM	100	0	75	0	175	13.99	0.0231
			1	0	1	74	2	10.61	0.0106
			1	99	1	0	2	14.06	0.0234
21026	21197	QPSK	100	0	75	0	175	16.79	0.0440
			1	0	1	74	2	10.32	0.0099
			1	99	1	0	2	18.80	0.0698
		16QAM	100	0	75	0	175	15.90	0.0358
			1	0	1	74	2	10.55	0.0104
			1	99	1	0	2	17.84	0.0560
		64QAM	100	0	75	0	175	15.77	0.0348
			1	0	1	74	2	10.70	0.0108
			1	99	1	0	2	17.07	0.0469
		256QAM	100	0	75	0	175	13.96	0.0229
			1	0	1	74	2	10.48	0.0103
			1	99	1	0	2	14.00	0.0231
21201	21372	QPSK	100	0	75	0	175	16.84	0.0445
			1	0	1	74	2	10.30	0.0099
			1	99	1	0	2	18.75	0.0690
		16QAM	100	0	75	0	175	15.89	0.0357
			1	0	1	74	2	10.60	0.0106
			1	99	1	0	2	17.90	0.0568
		64QAM	100	0	75	0	175	15.78	0.0348
			1	0	1	74	2	10.63	0.0106
			1	99	1	0	2	16.99	0.0460
		256QAM	100	0	75	0	175	13.90	0.0226
			1	0	1	74	2	10.51	0.0104
			1	99	1	0	2	13.99	0.0231



Combination 15MHz+20MHz (75RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	EIRP(W)
			RB Size	RB offset	RB Size	RB offset			
20828	20999	QPSK	75	0	100	0	175	16.82	0.0443
			1	0	1	99	2	10.36	0.0100
			1	74	1	0	2	18.76	0.0692
		16QAM	75	0	100	0	175	15.84	0.0353
			1	0	1	99	2	10.62	0.0106
			1	74	1	0	2	17.92	0.0570
		64QAM	75	0	100	0	175	15.76	0.0347
			1	0	1	99	2	10.69	0.0108
			1	74	1	0	2	17.03	0.0465
		256QAM	75	0	100	0	175	13.93	0.0228
			1	0	1	99	2	10.55	0.0104
			1	74	1	0	2	13.95	0.0229
21003	21174	QPSK	75	0	100	0	175	16.78	0.0439
			1	0	1	99	2	10.19	0.0096
			1	74	1	0	2	18.75	0.0690
		16QAM	75	0	100	0	175	15.83	0.0352
			1	0	1	99	2	10.48	0.0103
			1	74	1	0	2	17.83	0.0558
		64QAM	75	0	100	0	175	15.72	0.0344
			1	0	1	99	2	10.67	0.0107
			1	74	1	0	2	17.06	0.0468
		256QAM	75	0	100	0	175	13.94	0.0228
			1	0	1	99	2	10.46	0.0102
			1	74	1	0	2	13.88	0.0225
21179	21350	QPSK	75	0	100	0	175	16.77	0.0438
			1	0	1	99	2	10.22	0.0097
			1	74	1	0	2	18.68	0.0679
		16QAM	75	0	100	0	175	15.70	0.0342
			1	0	1	99	2	10.46	0.0102
			1	74	1	0	2	17.78	0.0552
		64QAM	75	0	100	0	175	15.59	0.0333
			1	0	1	99	2	10.57	0.0105
			1	74	1	0	2	16.96	0.0457
		256QAM	75	0	100	0	175	13.76	0.0219
			1	0	1	99	2	10.31	0.0099
			1	74	1	0	2	13.98	0.0230



Combination 20MHz+10MHz (100RB+50RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	EIRP(W)
			RB Size	RB offset	RB Size	RB offset			
20850	20994	QPSK	100	0	50	0	150	16.80	0.0441
			1	0	1	49	2	10.33	0.0099
			1	99	1	0	2	18.71	0.0684
		16QAM	100	0	50	0	150	15.92	0.0360
			1	0	1	49	2	10.57	0.0105
			1	99	1	0	2	17.93	0.0571
		64QAM	100	0	50	0	150	15.85	0.0354
			1	0	1	49	2	10.58	0.0105
			1	99	1	0	2	17.09	0.0471
		256QAM	100	0	50	0	150	13.88	0.0225
			1	0	1	49	2	10.50	0.0103
			1	99	1	0	2	13.95	0.0229
21051	21195	QPSK	100	0	50	0	150	16.69	0.0430
			1	0	1	49	2	10.21	0.0097
			1	99	1	0	2	18.71	0.0684
		16QAM	100	0	50	0	150	15.84	0.0353
			1	0	1	49	2	10.51	0.0104
			1	99	1	0	2	17.78	0.0552
		64QAM	100	0	50	0	150	15.73	0.0344
			1	0	1	49	2	10.67	0.0107
			1	99	1	0	2	16.97	0.0458
		256QAM	100	0	50	0	150	13.87	0.0224
			1	0	1	49	2	10.42	0.0101
			1	99	1	0	2	13.82	0.0222
21251	21395	QPSK	100	0	50	0	150	16.70	0.0431
			1	0	1	49	2	10.25	0.0097
			1	99	1	0	2	18.60	0.0667
		16QAM	100	0	50	0	150	15.88	0.0356
			1	0	1	49	2	10.54	0.0104
			1	99	1	0	2	17.84	0.0560
		64QAM	100	0	50	0	150	15.74	0.0345
			1	0	1	49	2	10.61	0.0106
			1	99	1	0	2	16.90	0.0451
		256QAM	100	0	50	0	150	13.76	0.0219
			1	0	1	49	2	10.40	0.0101
			1	99	1	0	2	13.92	0.0227



Combination 10MHz+20MHz (50RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	EIRP(W)
			RB Size	RB offset	RB Size	RB offset			
20805	20949	QPSK	50	0	100	0	150	16.74	0.0435
			1	0	1	99	2	10.30	0.0099
			1	49	1	0	2	18.76	0.0692
		16QAM	50	0	100	0	150	15.93	0.0361
			1	0	1	99	2	10.55	0.0104
			1	49	1	0	2	17.92	0.0570
		64QAM	50	0	100	0	150	15.86	0.0355
			1	0	1	99	2	10.60	0.0106
			1	49	1	0	2	17.06	0.0468
		256QAM	50	0	100	0	150	13.89	0.0225
			1	0	1	99	2	10.48	0.0103
			1	49	1	0	2	13.93	0.0228
21006	21150	QPSK	50	0	100	0	150	16.68	0.0429
			1	0	1	99	2	10.22	0.0097
			1	49	1	0	2	18.71	0.0684
		16QAM	50	0	100	0	150	15.89	0.0357
			1	0	1	99	2	10.44	0.0102
			1	49	1	0	2	17.75	0.0548
		64QAM	50	0	100	0	150	15.67	0.0340
			1	0	1	99	2	10.65	0.0107
			1	49	1	0	2	17.02	0.0463
		256QAM	50	0	100	0	150	13.90	0.0226
			1	0	1	99	2	10.31	0.0099
			1	49	1	0	2	13.91	0.0226
21206	21350	QPSK	50	0	100	0	150	16.74	0.0435
			1	0	1	99	2	10.21	0.0097
			1	49	1	0	2	18.67	0.0678
		16QAM	50	0	100	0	150	15.77	0.0348
			1	0	1	99	2	10.52	0.0104
			1	49	1	0	2	17.79	0.0553
		64QAM	50	0	100	0	150	15.73	0.0344
			1	0	1	99	2	10.55	0.0104
			1	49	1	0	2	16.81	0.0442
		256QAM	50	0	100	0	150	13.79	0.0220
			1	0	1	99	2	10.38	0.0100
			1	49	1	0	2	13.86	0.0224



Combination 15MHz+15MHz (75RB+75RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	EIRP(W)
			RB Size	RB offset	RB Size	RB offset			
20825	20975	QPSK	75	0	75	0	150	16.73	0.0434
			1	0	1	74	2	10.33	0.0099
			1	74	1	0	2	18.74	0.0689
		16QAM	75	0	75	0	150	15.85	0.0354
			1	0	1	74	2	10.56	0.0105
			1	74	1	0	2	17.94	0.0573
		64QAM	75	0	75	0	150	15.86	0.0355
			1	0	1	74	2	10.69	0.0108
			1	74	1	0	2	17.00	0.0461
		256QAM	75	0	75	0	150	13.93	0.0228
			1	0	1	74	2	10.48	0.0103
			1	74	1	0	2	13.96	0.0229
21025	21175	QPSK	75	0	75	0	150	16.70	0.0431
			1	0	1	74	2	10.24	0.0097
			1	74	1	0	2	18.67	0.0678
		16QAM	75	0	75	0	150	15.82	0.0352
			1	0	1	74	2	10.43	0.0102
			1	74	1	0	2	17.74	0.0547
		64QAM	75	0	75	0	150	15.74	0.0345
			1	0	1	74	2	10.60	0.0106
			1	74	1	0	2	17.03	0.0465
		256QAM	75	0	75	0	150	13.93	0.0228
			1	0	1	74	2	10.41	0.0101
			1	74	1	0	2	13.82	0.0222
21225	21375	QPSK	75	0	75	0	150	16.69	0.0430
			1	0	1	74	2	10.26	0.0098
			1	74	1	0	2	18.70	0.0682
		16QAM	75	0	75	0	150	15.69	0.0341
			1	0	1	74	2	10.52	0.0104
			1	74	1	0	2	17.85	0.0561
		64QAM	75	0	75	0	150	15.75	0.0346
			1	0	1	74	2	10.43	0.0102
			1	74	1	0	2	16.98	0.0459
		256QAM	75	0	75	0	150	13.79	0.0220
			1	0	1	74	2	10.43	0.0102
			1	74	1	0	2	13.96	0.0229



Combination 15MHz+10MHz (75RB+50RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	EIRP(W)
			RB Size	RB offset	RB Size	RB offset			
20825	20945	QPSK	75	0	50	0	125	16.77	0.0438
			1	0	1	49	2	10.26	0.0098
			1	74	1	0	2	18.79	0.0697
		16QAM	75	0	50	0	125	15.90	0.0358
			1	0	1	49	2	10.59	0.0105
			1	74	1	0	2	17.85	0.0561
		64QAM	75	0	50	0	125	15.84	0.0353
			1	0	1	49	2	10.58	0.0105
			1	74	1	0	2	17.04	0.0466
		256QAM	75	0	50	0	125	13.90	0.0226
			1	0	1	49	2	10.56	0.0105
			1	74	1	0	2	14.02	0.0232
21051	21171	QPSK	75	0	50	0	125	16.66	0.0427
			1	0	1	49	2	10.20	0.0096
			1	74	1	0	2	18.74	0.0689
		16QAM	75	0	50	0	125	15.83	0.0352
			1	0	1	49	2	10.46	0.0102
			1	74	1	0	2	17.78	0.0552
		64QAM	75	0	50	0	125	15.68	0.0340
			1	0	1	49	2	10.67	0.0107
			1	74	1	0	2	17.03	0.0465
		256QAM	75	0	50	0	125	13.79	0.0220
			1	0	1	49	2	10.30	0.0099
			1	74	1	0	2	13.92	0.0227
21277	21397	QPSK	75	0	50	0	125	16.82	0.0443
			1	0	1	49	2	10.19	0.0096
			1	74	1	0	2	18.66	0.0676
		16QAM	75	0	50	0	125	15.69	0.0341
			1	0	1	49	2	10.51	0.0104
			1	74	1	0	2	17.87	0.0564
		64QAM	75	0	50	0	125	15.67	0.0340
			1	0	1	49	2	10.50	0.0103
			1	74	1	0	2	16.92	0.0453
		256QAM	75	0	50	0	125	13.82	0.0222
			1	0	1	49	2	10.42	0.0101
			1	74	1	0	2	13.79	0.0220



CA_41C_Ant 1_HPUE									
Combination 20MHz+20MHz (100RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	EIRP(W)
			RB Size	RB offset	RB Size	RB offset			
39750	39948	QPSK	100	0	100	0	200	19.23	0.0771
			1	0	1	99	2	12.83	0.0177
			1	99	1	0	2	21.27	0.1233
		16QAM	100	0	100	0	200	18.32	0.0625
			1	0	1	99	2	12.84	0.0177
			1	99	1	0	2	20.13	0.0948
		64QAM	100	0	100	0	200	18.23	0.0612
			1	0	1	99	2	12.88	0.0179
			1	99	1	0	2	19.10	0.0748
		256QAM	100	0	100	0	200	16.31	0.0394
			1	0	1	99	2	12.93	0.0181
			1	99	1	0	2	16.19	0.0383
40521	40719	QPSK	100	0	100	0	200	19.22	0.0769
			1	0	1	99	2	12.81	0.0176
			1	99	1	0	2	21.22	0.1219
		16QAM	100	0	100	0	200	18.28	0.0619
			1	0	1	99	2	12.88	0.0179
			1	99	1	0	2	20.07	0.0935
		64QAM	100	0	100	0	200	18.26	0.0617
			1	0	1	99	2	12.87	0.0178
			1	99	1	0	2	19.05	0.0740
		256QAM	100	0	100	0	200	16.25	0.0388
			1	0	1	99	2	12.91	0.0180
			1	99	1	0	2	16.12	0.0377
41292	41490	QPSK	100	0	100	0	200	19.22	0.0769
			1	0	1	99	2	12.89	0.0179
			1	99	1	0	2	21.27	0.1233
		16QAM	100	0	100	0	200	18.29	0.0621
			1	0	1	99	2	12.86	0.0178
			1	99	1	0	2	20.12	0.0946
		64QAM	100	0	100	0	200	18.16	0.0603
			1	0	1	99	2	12.79	0.0175
			1	99	1	0	2	19.13	0.0753
		256QAM	100	0	100	0	200	16.24	0.0387
			1	0	1	99	2	12.88	0.0179
			1	99	1	0	2	16.18	0.0382



Combination 20MHz+15MHz (100RB+75RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	EIRP(W)
			RB Size	RB offset	RB Size	RB offset			
39750	39921	QPSK	100	0	75	0	175	19.37	0.0796
			1	0	1	74	2	12.94	0.0181
			1	99	1	0	2	21.13	0.1194
		16QAM	100	0	75	0	175	18.32	0.0625
			1	0	1	74	2	12.85	0.0177
			1	99	1	0	2	20.09	0.0940
		64QAM	100	0	75	0	175	18.28	0.0619
			1	0	1	74	2	12.87	0.0178
			1	99	1	0	2	19.20	0.0766
		256QAM	100	0	75	0	175	16.25	0.0388
			1	0	1	74	2	12.90	0.0179
			1	99	1	0	2	16.10	0.0375
40546	40717	QPSK	100	0	75	0	175	19.35	0.0793
			1	0	1	74	2	12.91	0.0180
			1	99	1	0	2	21.16	0.1202
		16QAM	100	0	75	0	175	18.39	0.0635
			1	0	1	74	2	12.89	0.0179
			1	99	1	0	2	20.12	0.0946
		64QAM	100	0	75	0	175	18.33	0.0627
			1	0	1	74	2	12.81	0.0176
			1	99	1	0	2	19.15	0.0757
		256QAM	100	0	75	0	175	16.27	0.0390
			1	0	1	74	2	12.98	0.0183
			1	99	1	0	2	16.13	0.0378
41341	41512	QPSK	100	0	75	0	175	19.33	0.0789
			1	0	1	74	2	12.96	0.0182
			1	99	1	0	2	21.07	0.1178
		16QAM	100	0	75	0	175	18.30	0.0622
			1	0	1	74	2	12.85	0.0177
			1	99	1	0	2	20.15	0.0953
		64QAM	100	0	75	0	175	18.32	0.0625
			1	0	1	74	2	12.84	0.0177
			1	99	1	0	2	19.17	0.0760
		256QAM	100	0	75	0	175	16.25	0.0388
			1	0	1	74	2	12.92	0.0180
			1	99	1	0	2	16.14	0.0378



Combination 15MHz+20MHz (75RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	EIRP(W)
			RB Size	RB offset	RB Size	RB offset			
39728	39899	QPSK	75	0	100	0	175	19.27	0.0778
			1	0	1	99	2	12.98	0.0183
			1	74	1	0	2	21.17	0.1205
		16QAM	75	0	100	0	175	18.38	0.0634
			1	0	1	99	2	12.90	0.0179
			1	74	1	0	2	20.15	0.0953
		64QAM	75	0	100	0	175	18.32	0.0625
			1	0	1	99	2	12.86	0.0178
			1	74	1	0	2	19.20	0.0766
		256QAM	75	0	100	0	175	16.33	0.0395
			1	0	1	99	2	12.93	0.0181
			1	74	1	0	2	16.05	0.0371
40523	40694	QPSK	75	0	100	0	175	19.31	0.0785
			1	0	1	99	2	13.00	0.0184
			1	74	1	0	2	21.21	0.1216
		16QAM	75	0	100	0	175	18.30	0.0622
			1	0	1	99	2	12.85	0.0177
			1	74	1	0	2	20.18	0.0959
		64QAM	75	0	100	0	175	18.34	0.0628
			1	0	1	99	2	12.84	0.0177
			1	74	1	0	2	19.16	0.0759
		256QAM	75	0	100	0	175	16.24	0.0387
			1	0	1	99	2	12.96	0.0182
			1	74	1	0	2	16.16	0.0380
41319	41490	QPSK	75	0	100	0	175	19.38	0.0798
			1	0	1	99	2	12.89	0.0179
			1	74	1	0	2	21.16	0.1202
		16QAM	75	0	100	0	175	18.31	0.0624
			1	0	1	99	2	12.83	0.0177
			1	74	1	0	2	20.12	0.0946
		64QAM	75	0	100	0	175	18.33	0.0627
			1	0	1	99	2	12.83	0.0177
			1	74	1	0	2	19.20	0.0766
		256QAM	75	0	100	0	175	16.23	0.0386
			1	0	1	99	2	12.87	0.0178
			1	74	1	0	2	16.14	0.0378



Combination 20MHz+10MHz (100RB+50RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	EIRP(W)
			RB Size	RB offset	RB Size	RB offset			
39750	39894	QPSK	100	0	50	0	150	19.36	0.0794
			1	0	1	49	2	12.94	0.0181
			1	99	1	0	2	21.12	0.1191
		16QAM	100	0	50	0	150	18.31	0.0624
			1	0	1	49	2	12.80	0.0175
			1	99	1	0	2	20.16	0.0955
		64QAM	100	0	50	0	150	18.31	0.0624
			1	0	1	49	2	12.86	0.0178
			1	99	1	0	2	19.20	0.0766
		256QAM	100	0	50	0	150	16.25	0.0388
			1	0	1	49	2	12.84	0.0177
			1	99	1	0	2	16.12	0.0377
40571	40715	QPSK	100	0	50	0	150	19.39	0.0800
			1	0	1	49	2	13.01	0.0184
			1	99	1	0	2	21.18	0.1208
		16QAM	100	0	50	0	150	18.34	0.0628
			1	0	1	49	2	12.90	0.0179
			1	99	1	0	2	20.15	0.0953
		64QAM	100	0	50	0	150	18.28	0.0619
			1	0	1	49	2	12.84	0.0177
			1	99	1	0	2	19.15	0.0757
		256QAM	100	0	50	0	150	16.34	0.0396
			1	0	1	49	2	12.91	0.0180
			1	99	1	0	2	16.17	0.0381
41391	41535	QPSK	100	0	50	0	150	19.33	0.0789
			1	0	1	49	2	12.94	0.0181
			1	99	1	0	2	21.20	0.1213
		16QAM	100	0	50	0	150	18.33	0.0627
			1	0	1	49	2	12.90	0.0179
			1	99	1	0	2	20.14	0.0951
		64QAM	100	0	50	0	150	18.37	0.0632
			1	0	1	49	2	12.87	0.0178
			1	99	1	0	2	19.17	0.0760
		256QAM	100	0	50	0	150	16.31	0.0394
			1	0	1	49	2	12.96	0.0182
			1	99	1	0	2	16.17	0.0381



Combination 10MHz+20MHz (50RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	EIRP(W)
			RB Size	RB offset	RB Size	RB offset			
39705	39849	QPSK	50	0	100	0	150	19.31	0.0785
			1	0	1	99	2	12.89	0.0179
			1	49	1	0	2	21.13	0.1194
		16QAM	50	0	100	0	150	18.34	0.0628
			1	0	1	99	2	12.84	0.0177
			1	49	1	0	2	20.20	0.0964
		64QAM	50	0	100	0	150	18.31	0.0624
			1	0	1	99	2	12.90	0.0179
			1	49	1	0	2	19.23	0.0771
		256QAM	50	0	100	0	150	16.26	0.0389
			1	0	1	99	2	12.93	0.0181
			1	49	1	0	2	16.15	0.0379
40526	40670	QPSK	50	0	100	0	150	19.37	0.0796
			1	0	1	99	2	12.89	0.0179
			1	49	1	0	2	21.19	0.1211
		16QAM	50	0	100	0	150	18.29	0.0621
			1	0	1	99	2	12.81	0.0176
			1	49	1	0	2	20.15	0.0953
		64QAM	50	0	100	0	150	18.37	0.0632
			1	0	1	99	2	12.83	0.0177
			1	49	1	0	2	19.13	0.0753
		256QAM	50	0	100	0	150	16.29	0.0392
			1	0	1	99	2	13.00	0.0184
			1	49	1	0	2	16.21	0.0385
41346	41490	QPSK	50	0	100	0	150	19.34	0.0791
			1	0	1	99	2	12.92	0.0180
			1	49	1	0	2	21.16	0.1202
		16QAM	50	0	100	0	150	18.30	0.0622
			1	0	1	99	2	12.78	0.0175
			1	49	1	0	2	20.16	0.0955
		64QAM	50	0	100	0	150	18.36	0.0631
			1	0	1	99	2	12.84	0.0177
			1	49	1	0	2	19.22	0.0769
		256QAM	50	0	100	0	150	16.27	0.0390
			1	0	1	99	2	12.86	0.0178
			1	49	1	0	2	16.12	0.0377



Combination 20MHz+5MHz (100RB+25RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	EIRP(W)
			RB Size	RB offset	RB Size	RB offset			
39750	39867	QPSK	100	0	25	0	125	19.29	0.0782
			1	0	1	24	2	12.99	0.0183
			1	99	1	0	2	21.11	0.1189
		16QAM	100	0	25	0	125	18.40	0.0637
			1	0	1	24	2	12.78	0.0175
			1	99	1	0	2	20.21	0.0966
		64QAM	100	0	25	0	125	18.35	0.0630
			1	0	1	24	2	12.85	0.0177
			1	99	1	0	2	19.22	0.0769
		256QAM	100	0	25	0	125	16.18	0.0382
			1	0	1	24	2	12.85	0.0177
			1	99	1	0	2	16.03	0.0369
40595	40712	QPSK	100	0	25	0	125	19.28	0.0780
			1	0	1	24	2	13.00	0.0184
			1	99	1	0	2	21.12	0.1191
		16QAM	100	0	25	0	125	18.40	0.0637
			1	0	1	24	2	12.83	0.0177
			1	99	1	0	2	20.09	0.0940
		64QAM	100	0	25	0	125	18.32	0.0625
			1	0	1	24	2	12.84	0.0177
			1	99	1	0	2	19.22	0.0769
		256QAM	100	0	25	0	125	16.27	0.0390
			1	0	1	24	2	12.95	0.0182
			1	99	1	0	2	16.18	0.0382
41440	41557	QPSK	100	0	25	0	125	19.32	0.0787
			1	0	1	24	2	12.96	0.0182
			1	99	1	0	2	21.09	0.1183
		16QAM	100	0	25	0	125	18.29	0.0621
			1	0	1	24	2	12.80	0.0175
			1	99	1	0	2	20.20	0.0964
		64QAM	100	0	25	0	125	18.37	0.0632
			1	0	1	24	2	12.91	0.0180
			1	99	1	0	2	19.18	0.0762
		256QAM	100	0	25	0	125	16.21	0.0385
			1	0	1	24	2	12.95	0.0182
			1	99	1	0	2	16.09	0.0374



Combination 5MHz+20MHz (25RB+100RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	EIRP(W)
			RB Size	RB offset	RB Size	RB offset			
39683	39800	QPSK	25	0	100	0	125	19.36	0.0794
			1	0	1	99	2	13.01	0.0184
			1	24	1	0	2	21.08	0.1180
		16QAM	25	0	100	0	125	18.36	0.0631
			1	0	1	99	2	12.78	0.0175
			1	24	1	0	2	20.14	0.0951
		64QAM	25	0	100	0	125	18.34	0.0628
			1	0	1	99	2	12.92	0.0180
			1	24	1	0	2	19.21	0.0767
		256QAM	25	0	100	0	125	16.20	0.0384
			1	0	1	99	2	12.81	0.0176
			1	24	1	0	2	16.04	0.0370
40528	40645	QPSK	25	0	100	0	125	19.35	0.0793
			1	0	1	99	2	12.97	0.0182
			1	24	1	0	2	21.17	0.1205
		16QAM	25	0	100	0	125	18.36	0.0631
			1	0	1	99	2	12.80	0.0175
			1	24	1	0	2	20.21	0.0966
		64QAM	25	0	100	0	125	18.27	0.0618
			1	0	1	99	2	12.88	0.0179
			1	24	1	0	2	19.23	0.0771
		256QAM	25	0	100	0	125	16.24	0.0387
			1	0	1	99	2	12.91	0.0180
			1	24	1	0	2	16.11	0.0376
41373	41490	QPSK	25	0	100	0	125	19.38	0.0798
			1	0	1	99	2	12.92	0.0180
			1	24	1	0	2	21.15	0.1199
		16QAM	25	0	100	0	125	18.37	0.0632
			1	0	1	99	2	12.80	0.0175
			1	24	1	0	2	20.12	0.0946
		64QAM	25	0	100	0	125	18.35	0.0630
			1	0	1	99	2	12.88	0.0179
			1	24	1	0	2	19.22	0.0769
		256QAM	25	0	100	0	125	16.19	0.0383
			1	0	1	99	2	12.97	0.0182
			1	24	1	0	2	16.13	0.0378



Combination 15MHz+10MHz (75RB+50RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	EIRP(W)
			RB Size	RB offset	RB Size	RB offset			
39725	39845	QPSK	75	0	50	0	125	19.37	0.0796
			1	0	1	49	2	12.94	0.0181
			1	74	1	0	2	21.14	0.1197
		16QAM	75	0	50	0	125	18.31	0.0624
			1	0	1	49	2	12.88	0.0179
			1	74	1	0	2	20.19	0.0962
		64QAM	75	0	50	0	125	18.32	0.0625
			1	0	1	49	2	12.88	0.0179
			1	74	1	0	2	19.15	0.0757
		256QAM	75	0	50	0	125	16.28	0.0391
			1	0	1	49	2	12.81	0.0176
			1	74	1	0	2	16.06	0.0372
40571	40691	QPSK	75	0	50	0	125	19.36	0.0794
			1	0	1	49	2	12.91	0.0180
			1	74	1	0	2	21.16	0.1202
		16QAM	75	0	50	0	125	18.34	0.0628
			1	0	1	49	2	12.87	0.0178
			1	74	1	0	2	20.09	0.0940
		64QAM	75	0	50	0	125	18.36	0.0631
			1	0	1	49	2	12.92	0.0180
			1	74	1	0	2	19.22	0.0769
		256QAM	75	0	50	0	125	16.26	0.0389
			1	0	1	49	2	12.89	0.0179
			1	74	1	0	2	16.17	0.0381
41417	41537	QPSK	75	0	50	0	125	19.33	0.0789
			1	0	1	49	2	13.00	0.0184
			1	74	1	0	2	21.19	0.1211
		16QAM	75	0	50	0	125	18.39	0.0635
			1	0	1	49	2	12.86	0.0178
			1	74	1	0	2	20.21	0.0966
		64QAM	75	0	50	0	125	18.37	0.0632
			1	0	1	49	2	12.88	0.0179
			1	74	1	0	2	19.23	0.0771
		256QAM	75	0	50	0	125	16.25	0.0388
			1	0	1	49	2	13.00	0.0184
			1	74	1	0	2	16.07	0.0372



Combination 10MHz+15MHz (50RB+75RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	EIRP(W)
			RB Size	RB offset	RB Size	RB offset			
39703	39823	QPSK	50	0	75	0	125	19.35	0.0793
			1	0	1	74	2	12.95	0.0182
			1	49	1	0	2	21.12	0.1191
		16QAM	50	0	75	0	125	18.35	0.0630
			1	0	1	74	2	12.86	0.0178
			1	49	1	0	2	20.20	0.0964
		64QAM	50	0	75	0	125	18.35	0.0630
			1	0	1	74	2	12.85	0.0177
			1	49	1	0	2	19.18	0.0762
		256QAM	50	0	75	0	125	16.34	0.0396
			1	0	1	74	2	12.95	0.0182
			1	49	1	0	2	16.22	0.0385
40549	40669	QPSK	50	0	75	0	125	19.31	0.0785
			1	0	1	74	2	12.94	0.0181
			1	49	1	0	2	21.20	0.1213
		16QAM	50	0	75	0	125	18.29	0.0621
			1	0	1	74	2	12.81	0.0176
			1	49	1	0	2	20.12	0.0946
		64QAM	50	0	75	0	125	18.39	0.0635
			1	0	1	74	2	12.86	0.0178
			1	49	1	0	2	19.16	0.0759
		256QAM	50	0	75	0	125	16.26	0.0389
			1	0	1	74	2	12.92	0.0180
			1	49	1	0	2	16.19	0.0383
41395	41515	QPSK	50	0	75	0	125	19.29	0.0782
			1	0	1	74	2	12.98	0.0183
			1	49	1	0	2	21.11	0.1189
		16QAM	50	0	75	0	125	18.28	0.0619
			1	0	1	74	2	12.84	0.0177
			1	49	1	0	2	20.21	0.0966
		64QAM	50	0	75	0	125	18.30	0.0622
			1	0	1	74	2	12.83	0.0177
			1	49	1	0	2	19.21	0.0767
		256QAM	50	0	75	0	125	16.29	0.0392
			1	0	1	74	2	12.82	0.0176
			1	49	1	0	2	16.15	0.0379



Combination 15MHz+15MHz (75RB+75RB)									
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)	EIRP(W)
			RB Size	RB offset	RB Size	RB offset			
39725	39875	QPSK	75	0	75	0	150	19.27	0.0778
			1	0	1	74	2	12.92	0.0180
			1	74	1	0	2	21.16	0.1202
		16QAM	75	0	75	0	150	18.36	0.0631
			1	0	1	74	2	12.86	0.0178
			1	74	1	0	2	20.21	0.0966
		64QAM	75	0	75	0	150	18.35	0.0630
			1	0	1	74	2	12.88	0.0179
			1	74	1	0	2	19.16	0.0759
		256QAM	75	0	75	0	150	16.33	0.0395
			1	0	1	74	2	12.97	0.0182
			1	74	1	0	2	16.08	0.0373
40545	40695	QPSK	75	0	75	0	150	19.28	0.0780
			1	0	1	74	2	12.98	0.0183
			1	74	1	0	2	21.20	0.1213
		16QAM	75	0	75	0	150	18.41	0.0638
			1	0	1	74	2	12.82	0.0176
			1	74	1	0	2	20.19	0.0962
		64QAM	75	0	75	0	150	18.30	0.0622
			1	0	1	74	2	12.91	0.0180
			1	74	1	0	2	19.16	0.0759
		256QAM	75	0	75	0	150	16.31	0.0394
			1	0	1	74	2	12.89	0.0179
			1	74	1	0	2	16.14	0.0378
41365	41515	QPSK	75	0	75	0	150	19.30	0.0783
			1	0	1	74	2	12.97	0.0182
			1	74	1	0	2	21.10	0.1186
		16QAM	75	0	75	0	150	18.41	0.0638
			1	0	1	74	2	12.77	0.0174
			1	74	1	0	2	20.15	0.0953
		64QAM	75	0	75	0	150	18.34	0.0628
			1	0	1	74	2	12.84	0.0177
			1	74	1	0	2	19.17	0.0760
		256QAM	75	0	75	0	150	16.18	0.0382
			1	0	1	74	2	12.85	0.0177
			1	74	1	0	2	16.12	0.0377



LTE Band 7

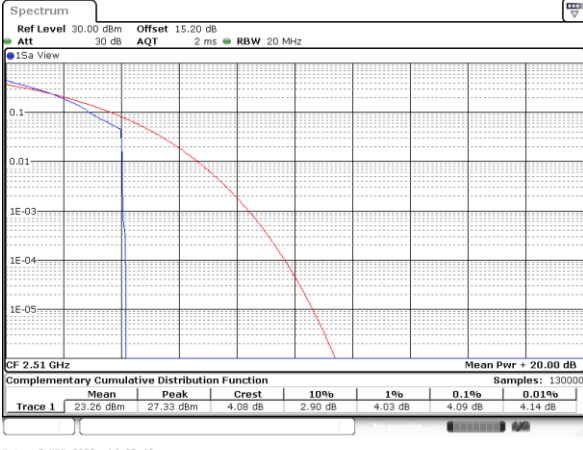
Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.09	4.84	4.67	5.88	PASS
Middle CH	4.06	4.72	4.87	5.80	
Highest CH	4.23	4.84	4.90	5.86	
Mode	LTE Band 7 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.03	6.55	-	-	PASS
Middle CH	5.83	6.46	-	-	
Highest CH	6.23	6.58	-	-	



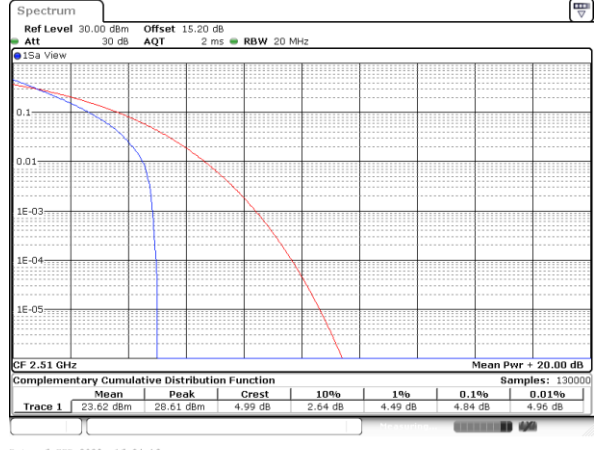
LTE Band 7 / 20MHz / QPSK

Lowest Channel / 1RB



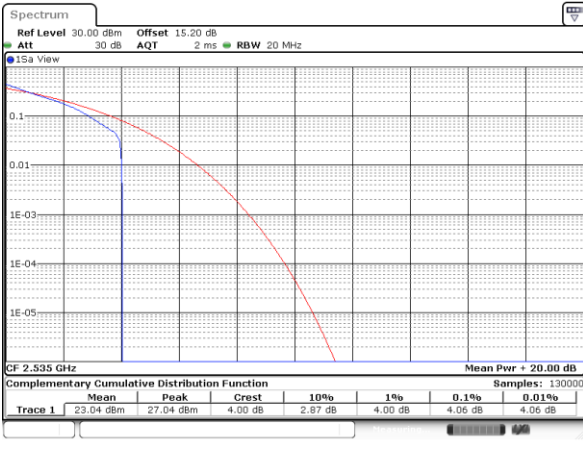
Date: 6.FEB.2023 16:23:43

Lowest Channel / Full RB



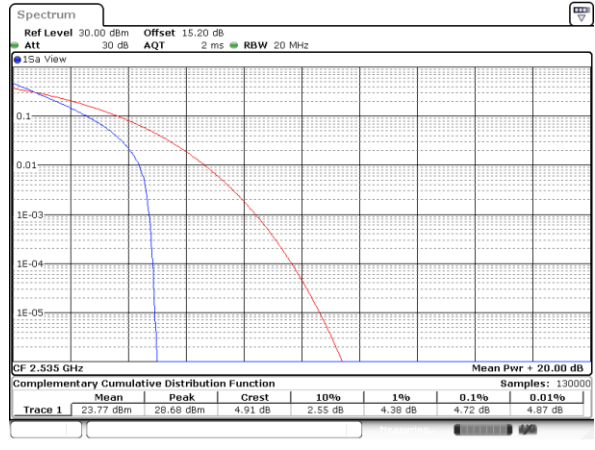
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Middle Channel / 1RB



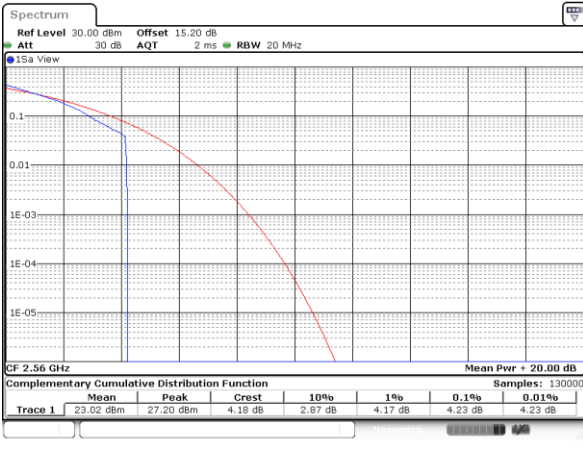
Date: 6.FEB.2023 16:21:39

Middle Channel / Full RB



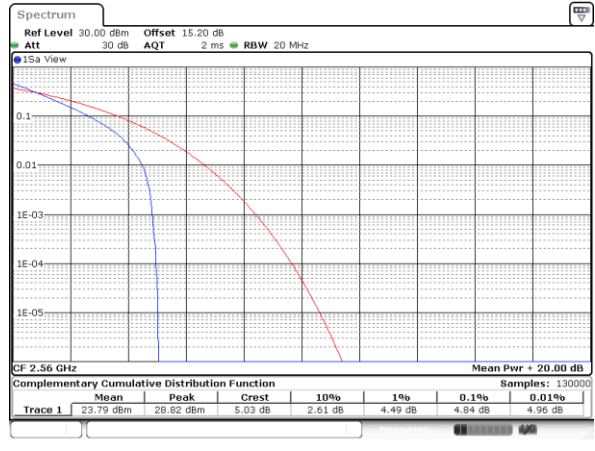
Date: 6.FEB.2023 16:26:20

Highest Channel / 1RB



Date: 6.FEB.2023 16:20:57

Highest Channel / Full RB

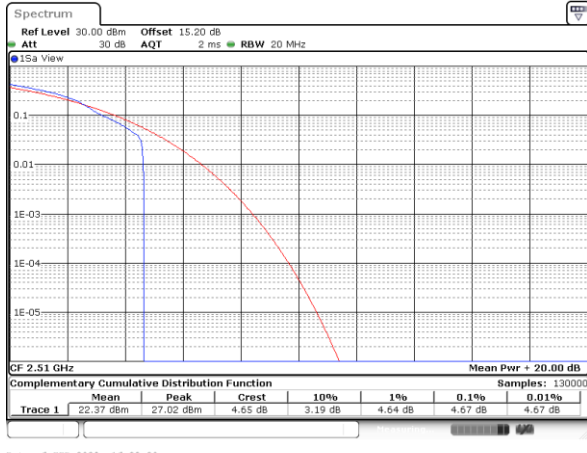


Date: 6.FEB.2023 16:26:52



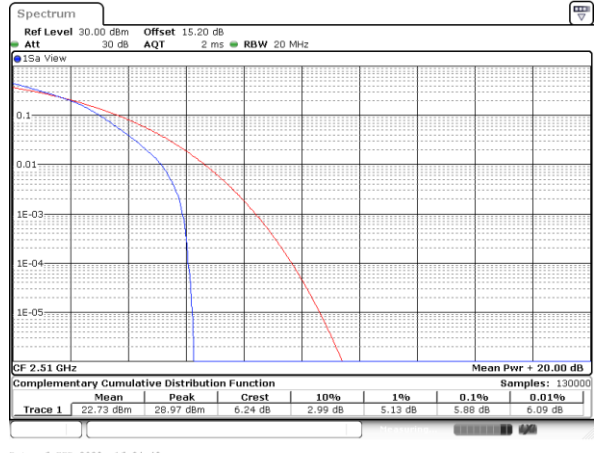
LTE Band 7 / 20MHz / 16QAM

Lowest Channel / 1RB



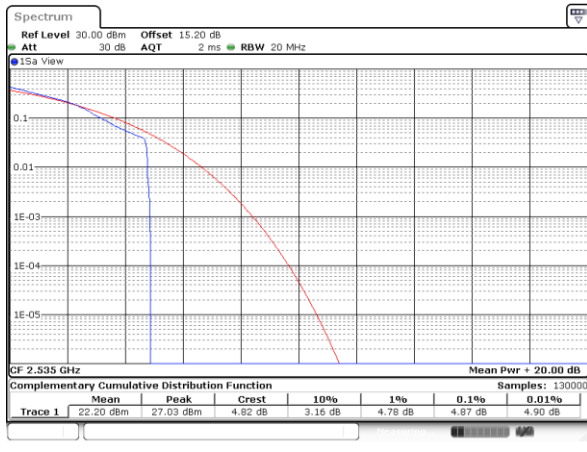
Date: 6.FEB.2023 16:23:20

Lowest Channel / Full RB



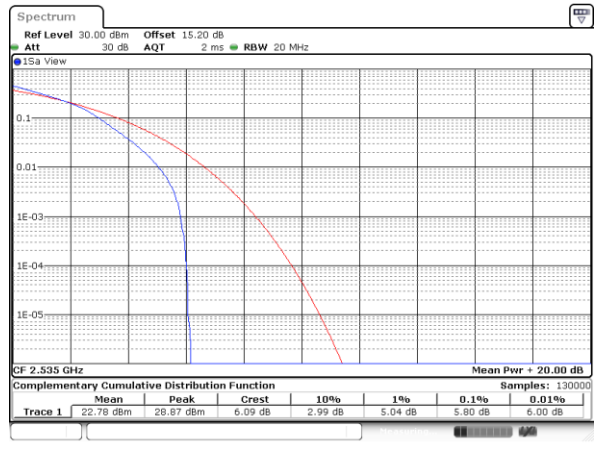
Date: 6.FEB.2023 16:24:49

Middle Channel / 1RB



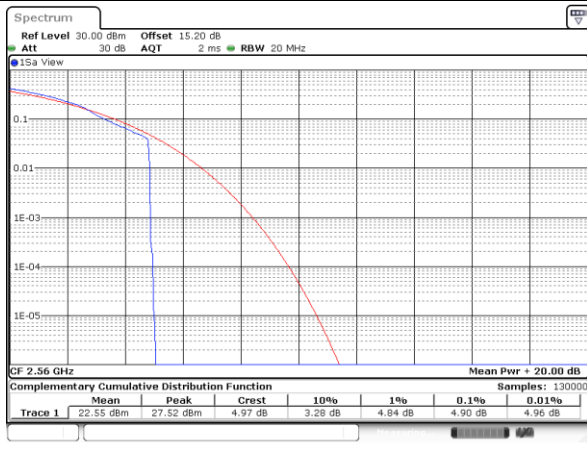
Date: 6.FEB.2023 16:21:58

Middle Channel / Full RB



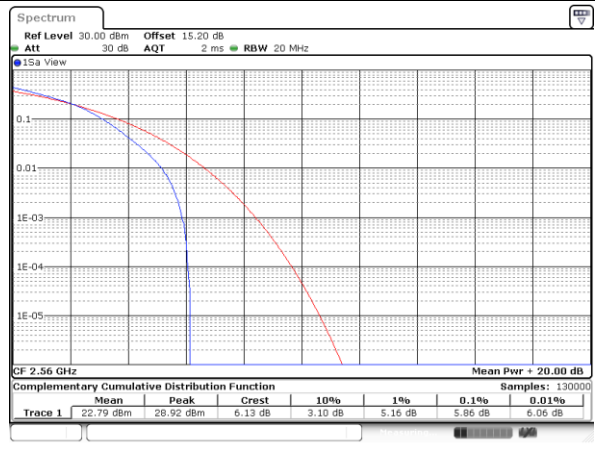
Date: 6.FEB.2023 16:24:00

Highest Channel / 1RB



Date: 6.FEB.2023 16:20:30

Highest Channel / Full RB

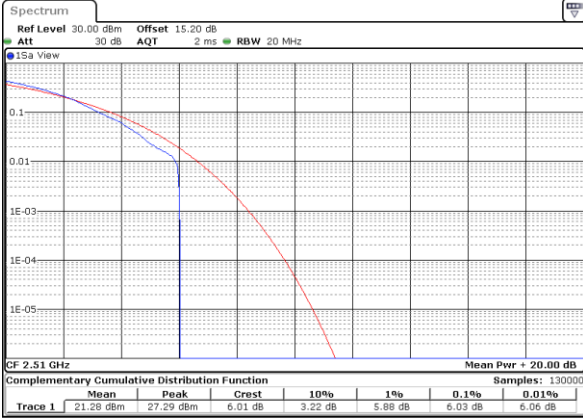


Date: 6.FEB.2023 16:27:10



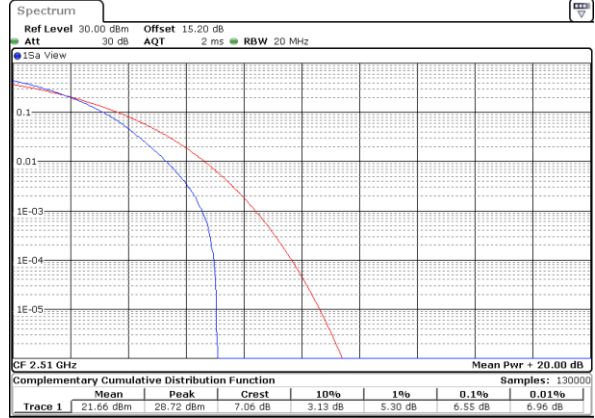
LTE Band 7 / 20MHz / 64QAM

Lowest Channel / 1RB



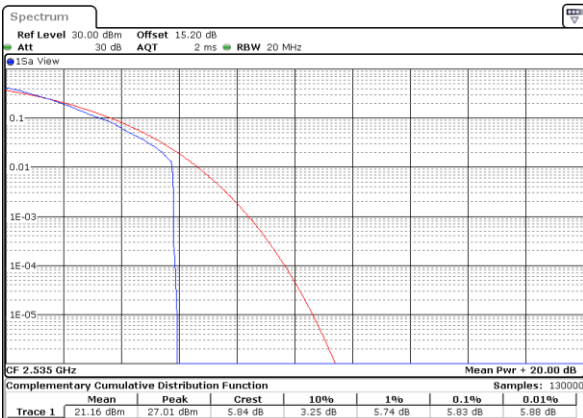
Date: 6.FEB.2023 16:22:59

Lowest Channel / Full RB



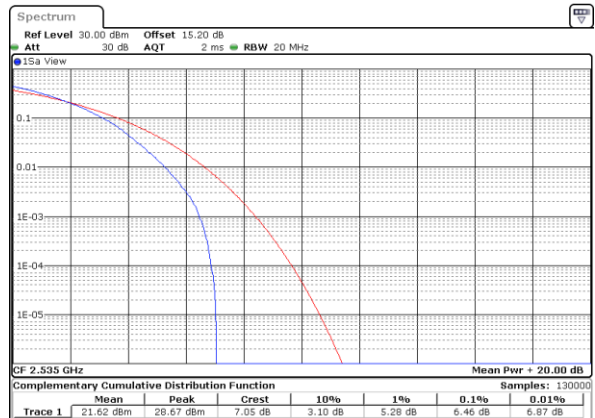
Date: 6.FEB.2023 16:25:19

Middle Channel / 1RB



Date: 6.FEB.2023 16:22:17

Middle Channel / Full RB



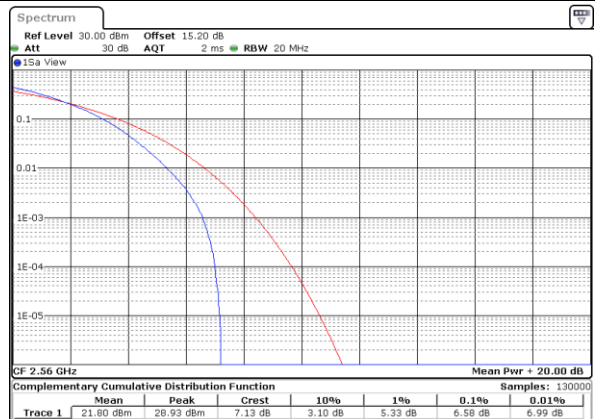
Date: 6.FEB.2023 16:25:42

Highest Channel / 1RB



Date: 6.FEB.2023 16:11:36

Highest Channel / Full RB



Date: 6.FEB.2023 16:27:33



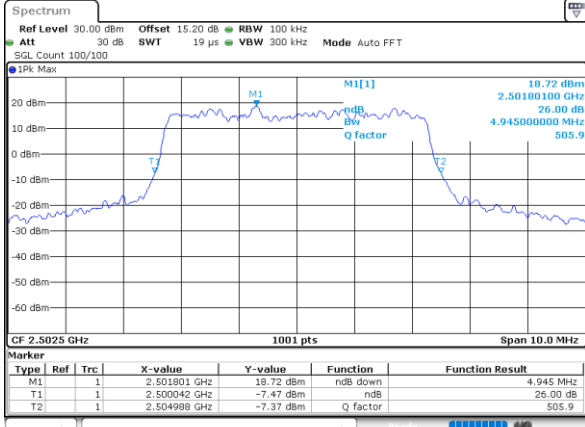
26dB Bandwidth

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	5.05	10.05	9.97	14.45	14.66	19.42	19.30
Middle CH	-	-	-	-	4.98	4.88	10.01	10.19	14.33	14.24	19.46	18.90
Highest CH	-	-	-	-	5.04	5.05	9.77	10.09	14.72	14.51	19.14	19.22
Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.98	-	10.15	-	14.48	-	19.26	-
Middle CH	-	-	-	-	5.12	-	9.91	-	14.84	-	18.82	-
Highest CH	-	-	-	-	5.16	-	10.29	-	14.33	-	18.86	-



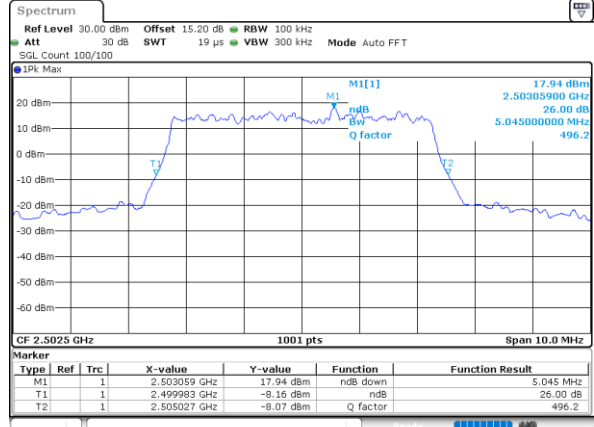
LTE Band 7

Lowest Channel / 5MHz / QPSK



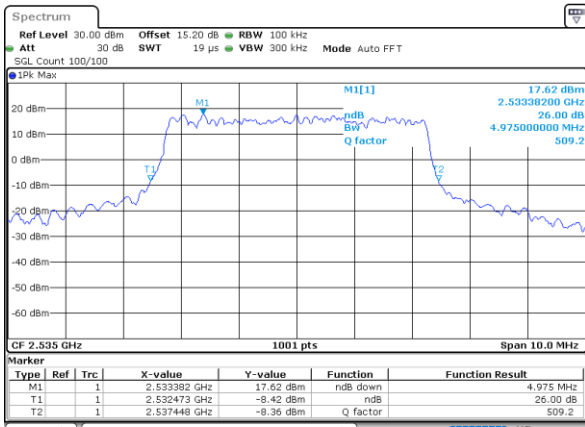
Date: 6.FEB.2023 13:03:26

Lowest Channel / 5MHz / 16QAM



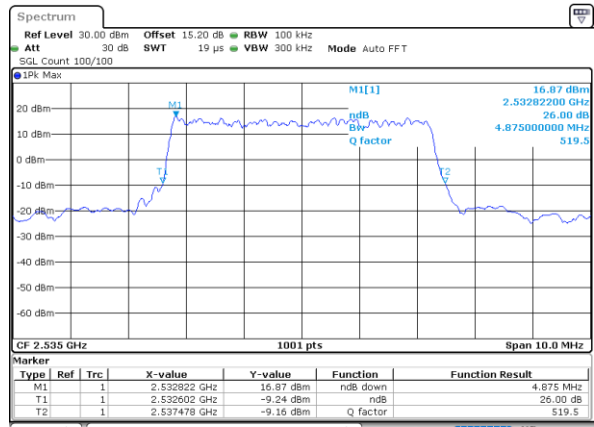
Date: 6.FEB.2023 13:44:53

Middle Channel / 5MHz / QPSK



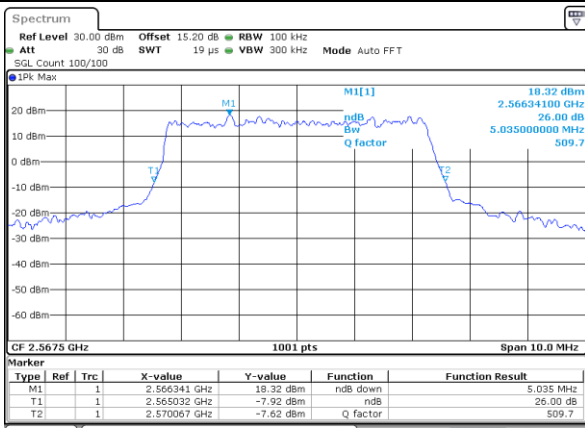
Date: 6.FEB.2023 13:46:49

Middle Channel / 5MHz / 16QAM



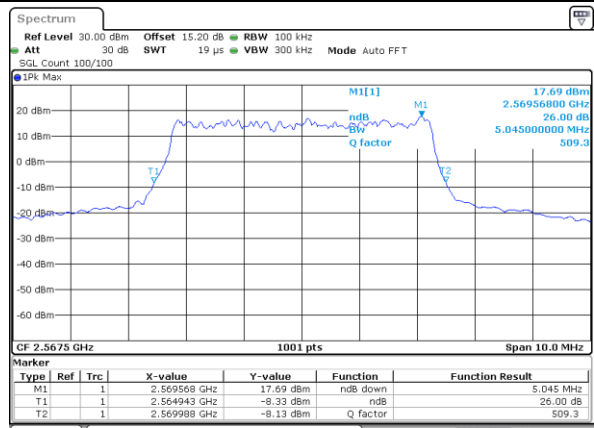
Date: 6.FEB.2023 13:46:30

Highest Channel / 5MHz / QPSK



Date: 6.FEB.2023 13:47:17

Highest Channel / 5MHz / 16QAM

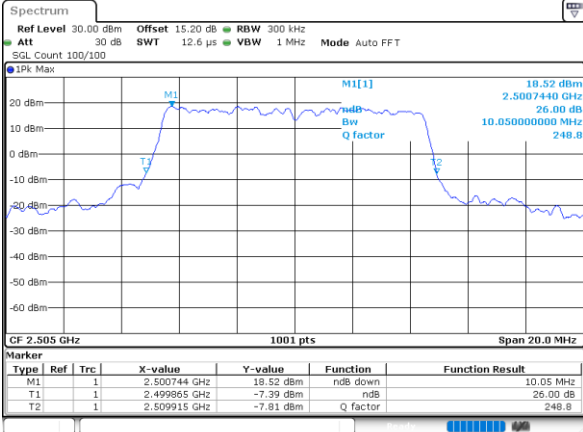


Date: 6.FEB.2023 13:47:38



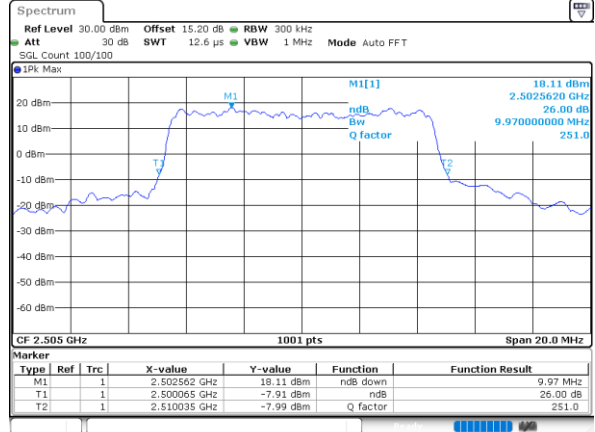
LTE Band 7

Lowest Channel / 10MHz / QPSK



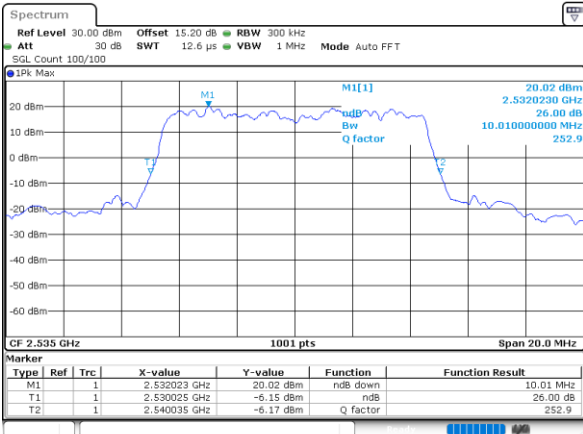
Date: 6.FEB.2023 15:03:05

Lowest Channel / 10MHz / 16QAM



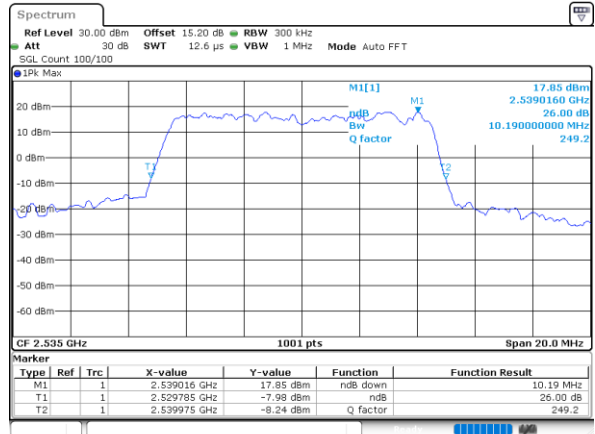
Date: 6.FEB.2023 15:03:37

Middle Channel / 10MHz / QPSK



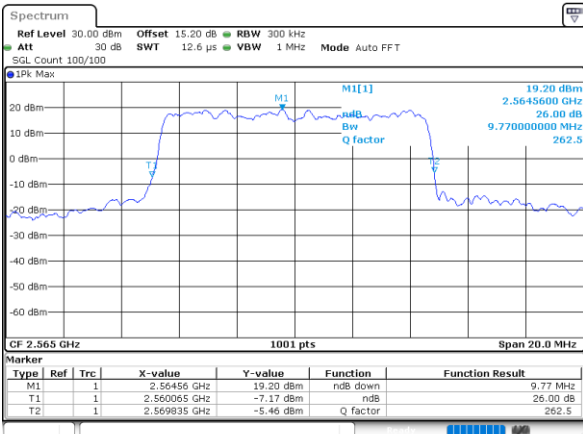
Date: 6.FEB.2023 15:05:05

Middle Channel / 10MHz / 16QAM



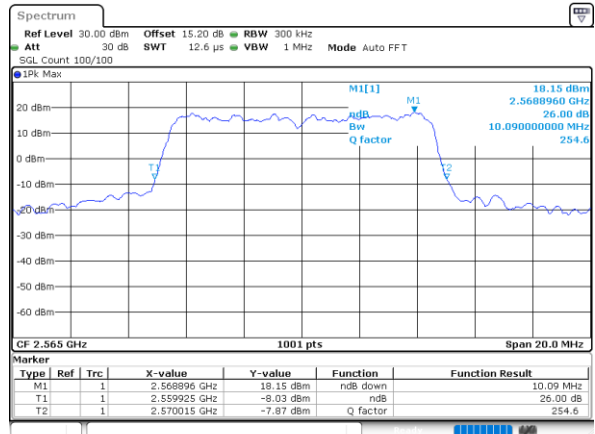
Date: 6.FEB.2023 15:04:48

Highest Channel / 10MHz / QPSK



Date: 6.FEB.2023 15:05:30

Highest Channel / 10MHz / 16QAM

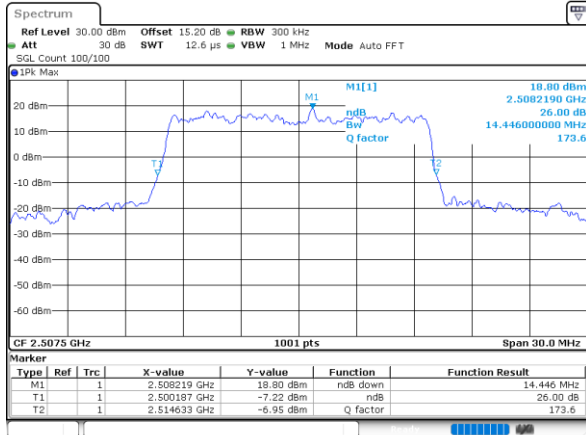


Date: 6.FEB.2023 15:05:50



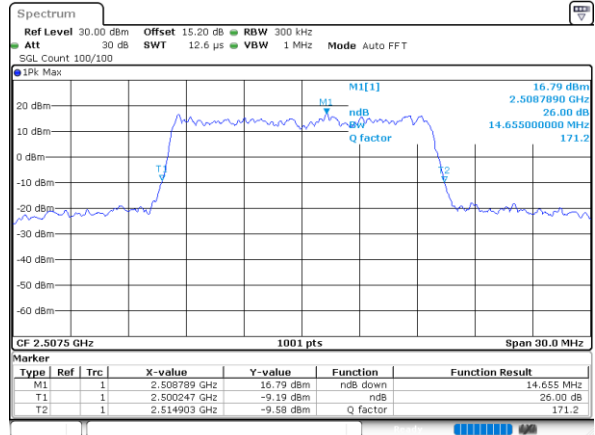
LTE Band 7

Lowest Channel / 15MHz / QPSK



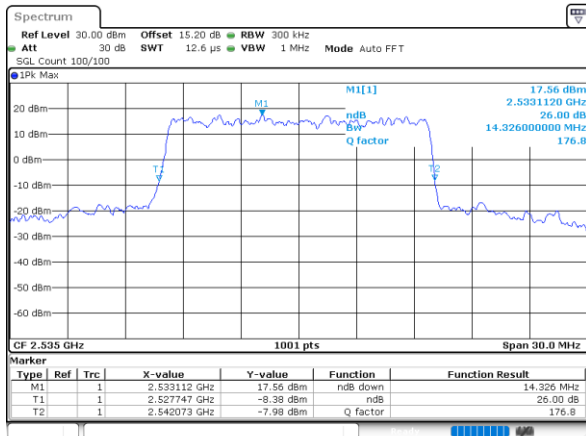
Date: 6.FEB.2023 15:44:27

Lowest Channel / 15MHz / 16QAM



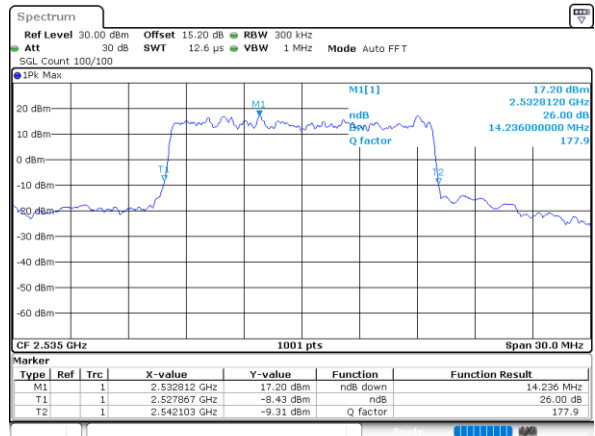
Date: 6.FEB.2023 15:44:53

Middle Channel / 15MHz / QPSK



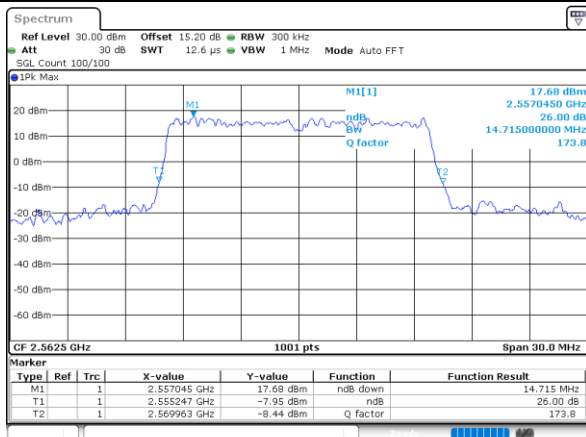
Date: 6.FEB.2023 15:47:08

Middle Channel / 15MHz / 16QAM



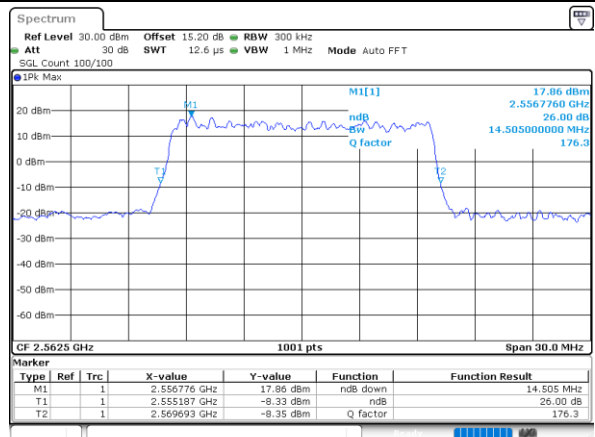
Date: 6.FEB.2023 15:47:31

Highest Channel / 15MHz / QPSK



Date: 6.FEB.2023 15:49:52

Highest Channel / 15MHz / 16QAM

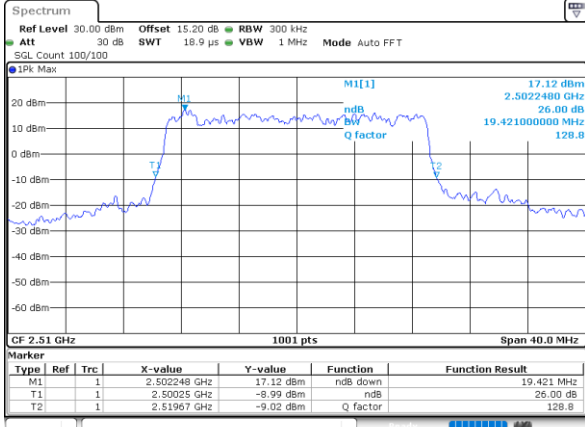


Date: 6.FEB.2023 15:49:22



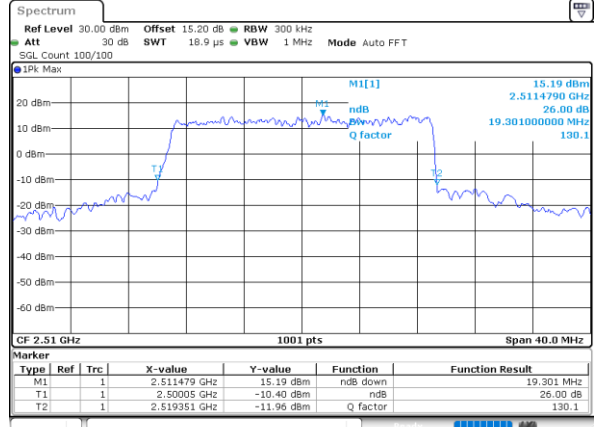
LTE Band 7

Lowest Channel / 20MHz / QPSK



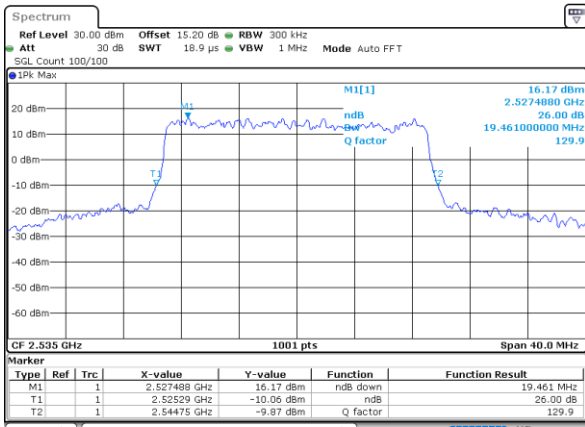
Date: 6.FEB.2023 15:55:13

Lowest Channel / 20MHz / 16QAM



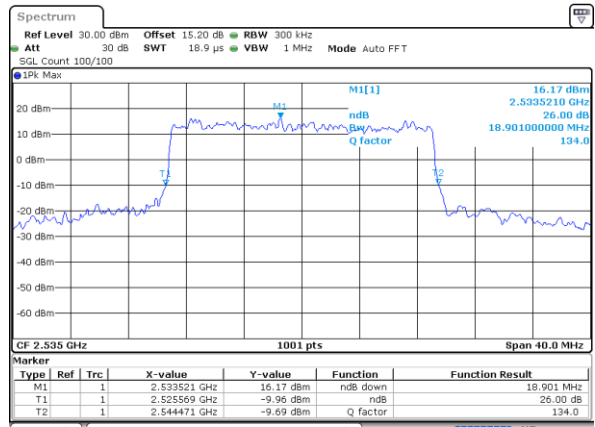
Date: 6.FEB.2023 15:54:37

Middle Channel / 20MHz / QPSK



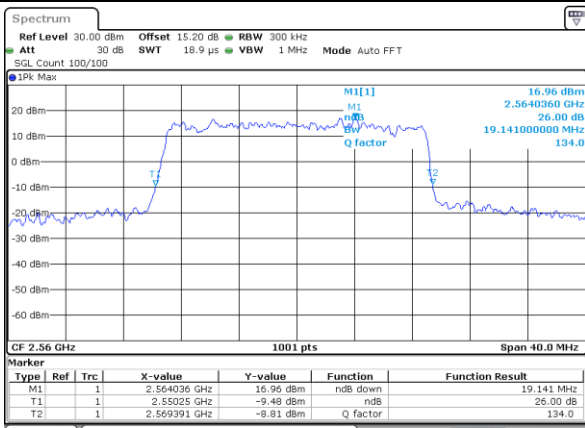
Date: 6.FEB.2023 15:55:38

Middle Channel / 20MHz / 16QAM



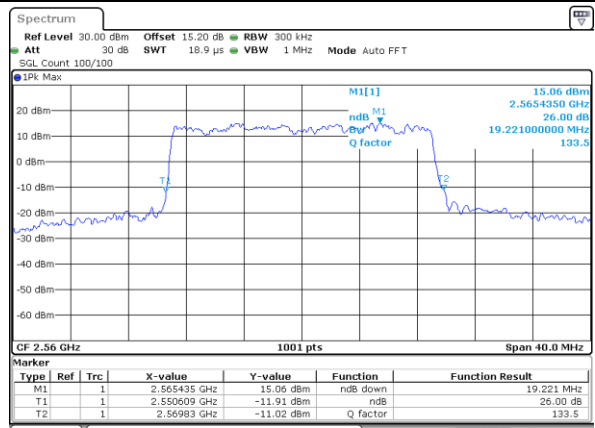
Date: 6.FEB.2023 15:56:21

Highest Channel / 20MHz / QPSK



Date: 6.FEB.2023 16:00:01

Highest Channel / 20MHz / 16QAM

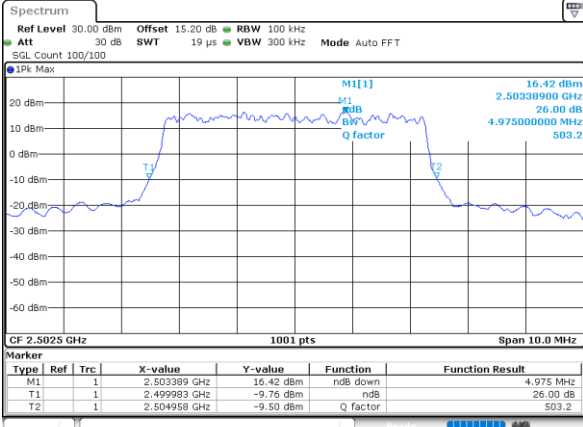


Date: 6.FEB.2023 15:59:19



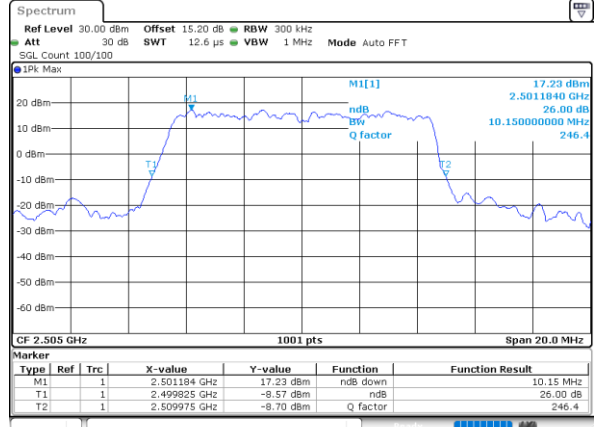
LTE Band 7

Lowest Channel / 5MHz / 64QAM



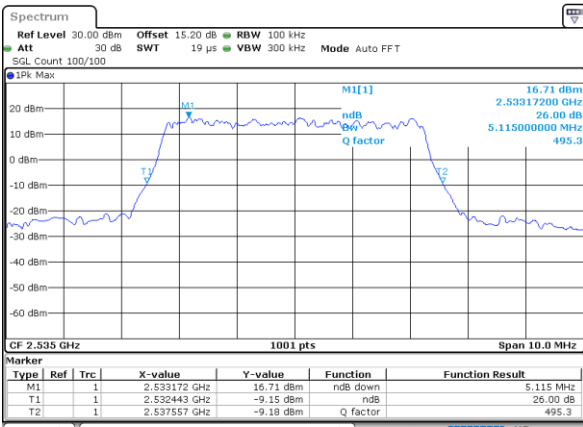
Date: 6.FEB.2023 13:45:35

Lowest Channel / 10MHz / 64QAM



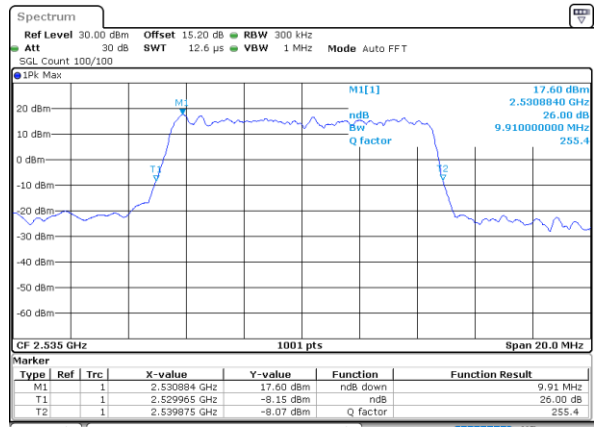
Date: 6.FEB.2023 15:04:01

Middle Channel / 5MHz / 64QAM



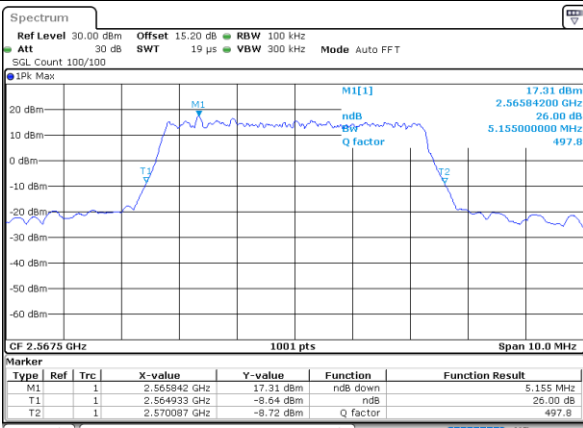
Date: 6.FEB.2023 13:46:08

Middle Channel / 10MHz / 64QAM



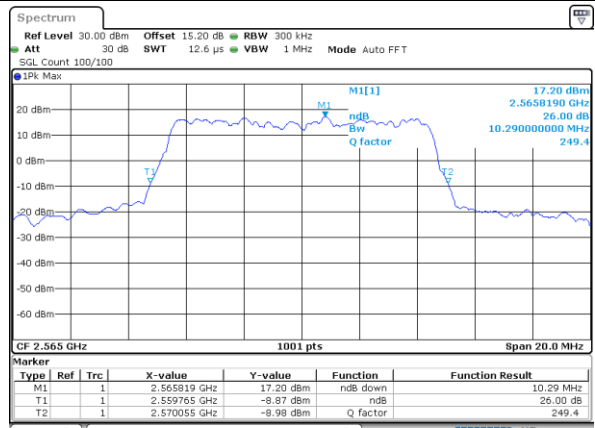
Date: 6.FEB.2023 15:04:29

Highest Channel / 5MHz / 64QAM



Date: 6.FEB.2023 13:47:59

Highest Channel / 10MHz / 64QAM

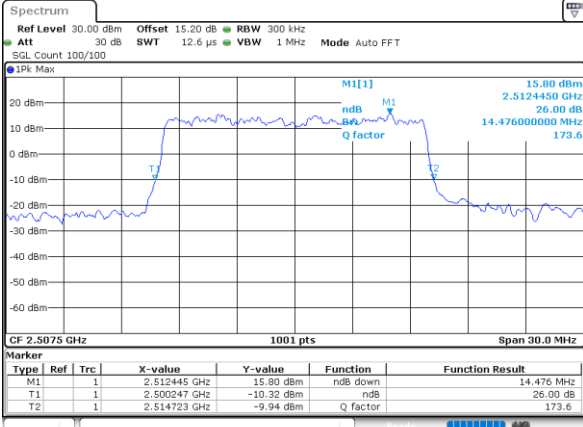


Date: 6.FEB.2023 15:06:14



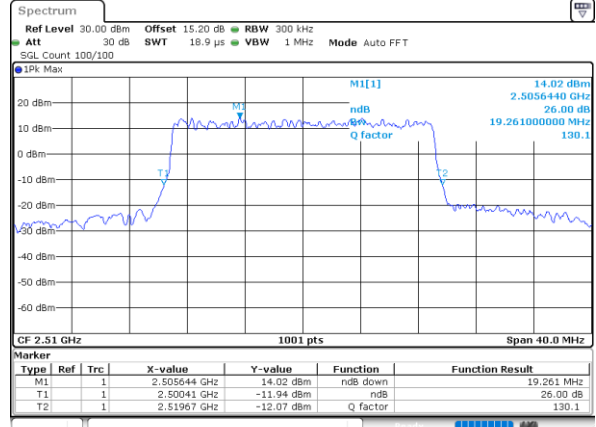
LTE Band 7

Lowest Channel / 15MHz / 64QAM



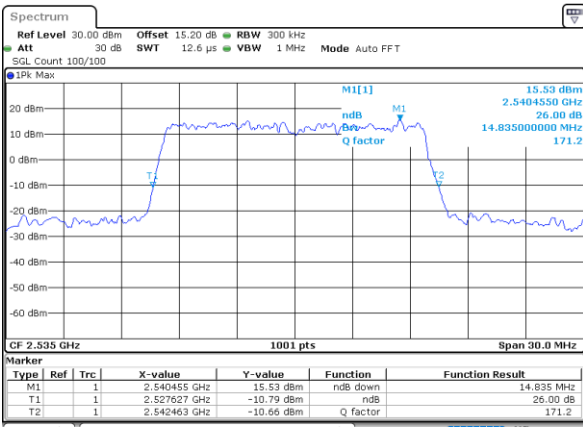
Date: 6.FEB.2023 15:45:08

Lowest Channel / 20MHz / 64QAM



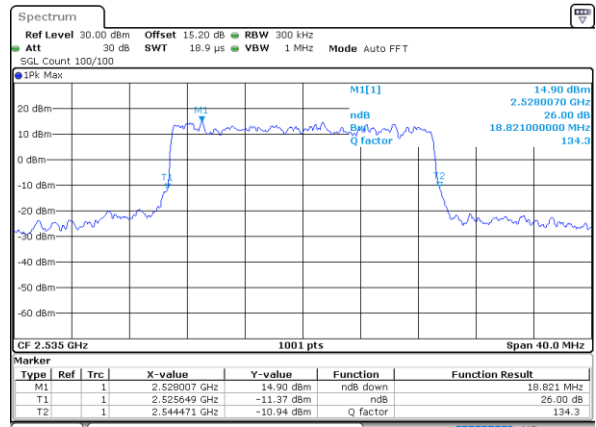
Date: 6.FEB.2023 15:54:07

Middle Channel / 15MHz / 64QAM



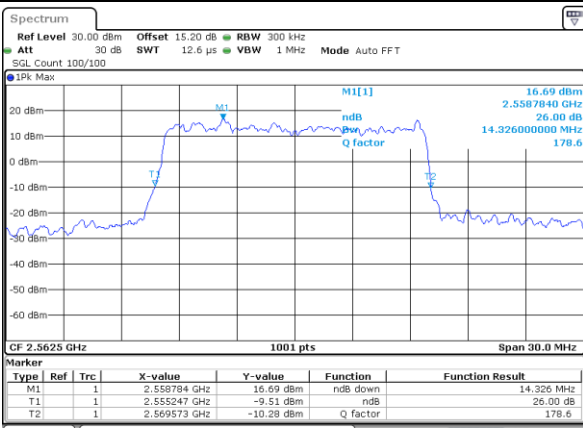
Date: 6.FEB.2023 15:48:04

Middle Channel / 20MHz / 64QAM



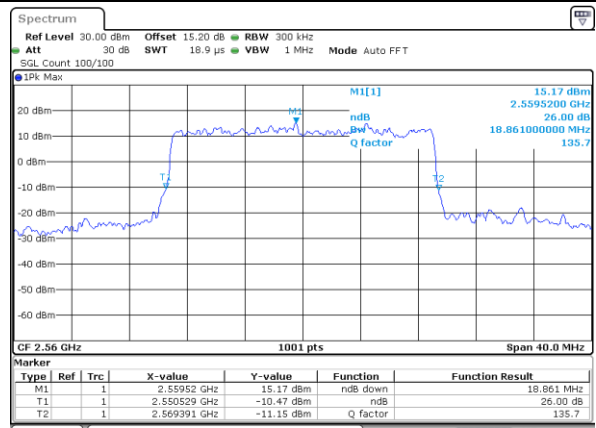
Date: 6.FEB.2023 15:57:58

Highest Channel / 15MHz / 64QAM



Date: 6.FEB.2023 15:48:51

Highest Channel / 20MHz / 64QAM



Date: 6.FEB.2023 15:58:40



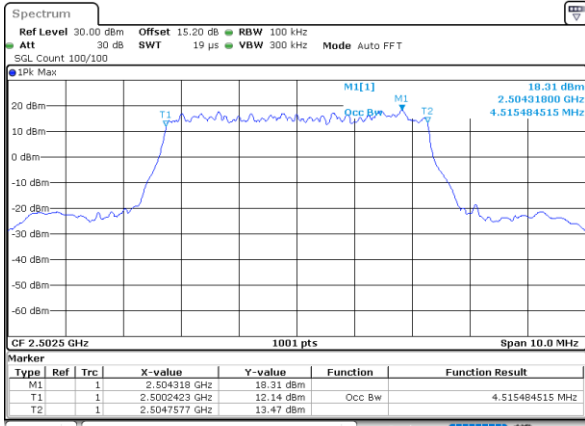
Occupied Bandwidth

LTE Band 7 : 99%OBW(MHz)												
Mode	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.52	4.51	9.09	9.01	13.46	13.46	17.94	17.94
Middle CH	-	-	-	-	4.50	4.51	9.03	9.03	13.49	13.49	17.86	17.90
Highest CH	-	-	-	-	4.50	4.51	9.07	9.01	13.43	13.49	17.90	17.90
LTE Band 7 : 99%OBW(MHz)												
Mode	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.51	-	9.01	-	13.46	-	17.94	-
Middle CH	-	-	-	-	4.49	-	9.01	-	13.52	-	17.94	-
Highest CH	-	-	-	-	4.52	-	9.01	-	13.52	-	17.98	-



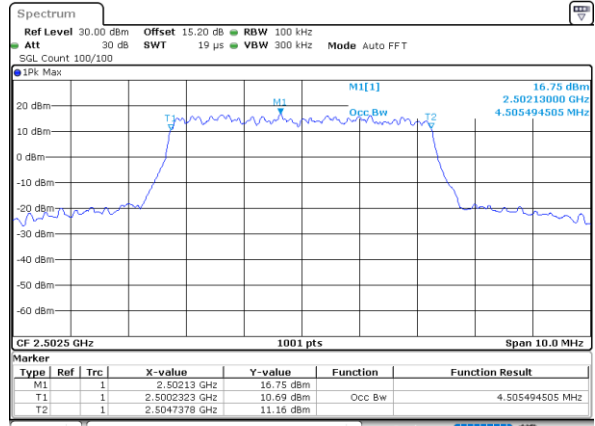
LTE Band 7

Lowest Channel / 5MHz / QPSK



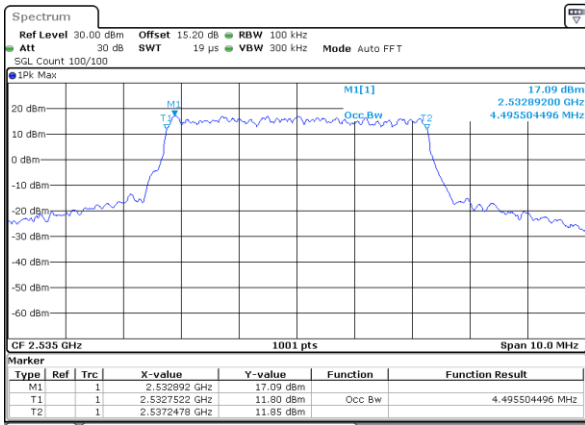
Date: 6.FEB.2023 13:02:38

Lowest Channel / 5MHz / 16QAM



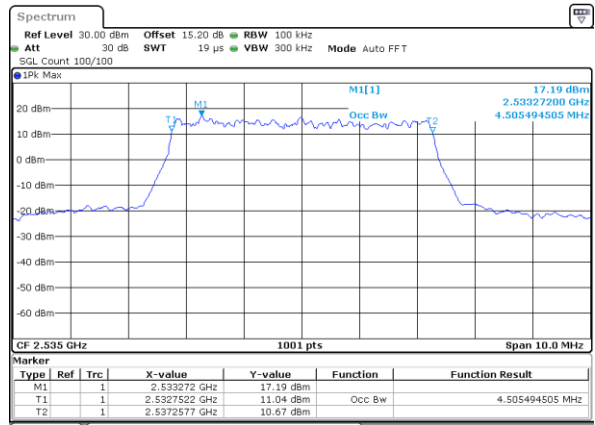
Date: 6.FEB.2023 13:49:09

Middle Channel / 5MHz / QPSK



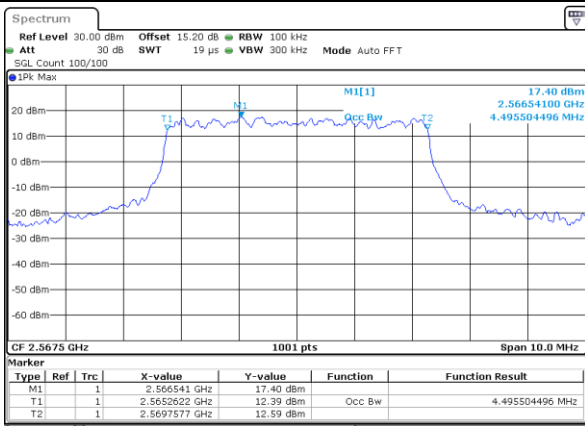
Date: 6.FEB.2023 13:50:37

Middle Channel / 5MHz / 16QAM



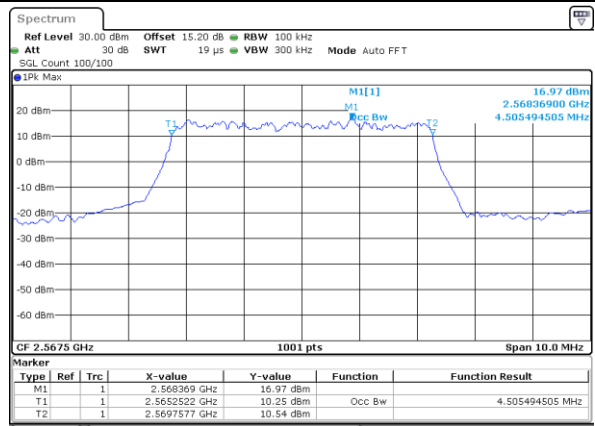
Date: 6.FEB.2023 13:50:16

Highest Channel / 5MHz / QPSK



Date: 6.FEB.2023 13:51:06

Highest Channel / 5MHz / 16QAM

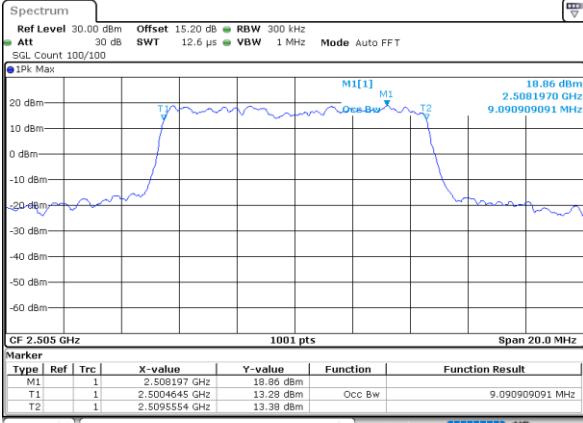


Date: 6.FEB.2023 13:51:26



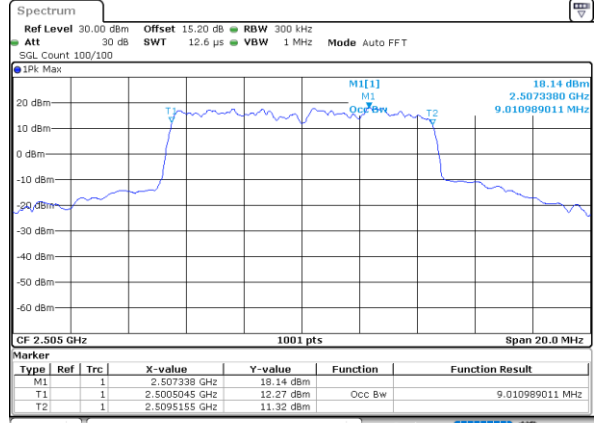
LTE Band 7

Lowest Channel / 10MHz / QPSK



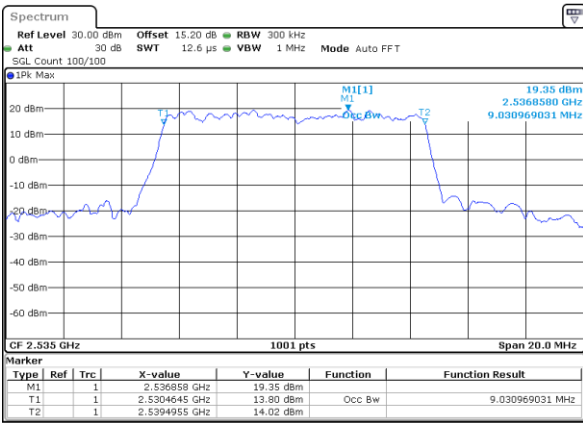
Date: 6.FEB.2023 13:57:42

Lowest Channel / 10MHz / 16QAM



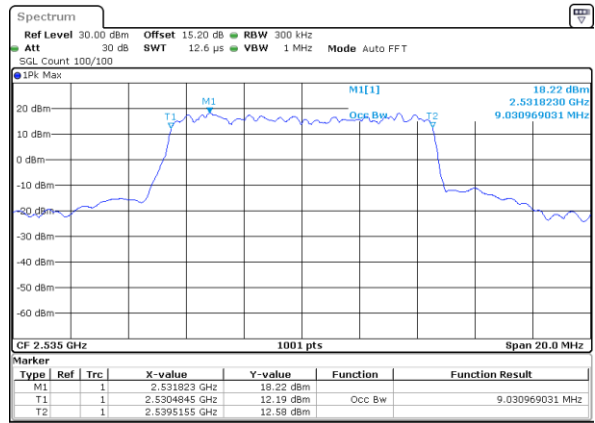
Date: 6.FEB.2023 13:57:23

Middle Channel / 10MHz / QPSK



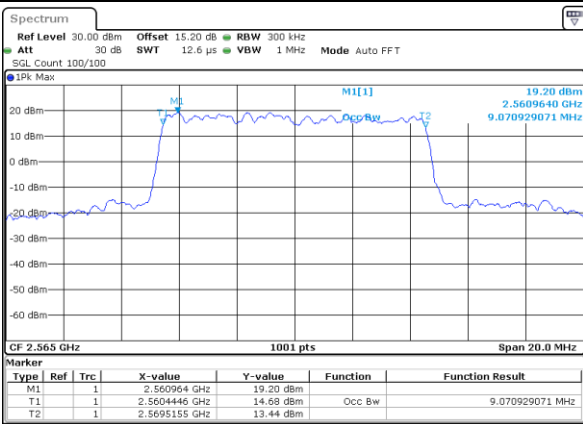
Date: 6.FEB.2023 13:58:09

Middle Channel / 10MHz / 16QAM



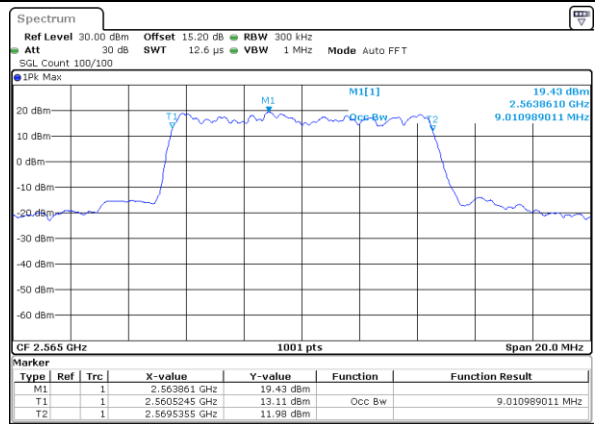
Date: 6.FEB.2023 13:58:30

Highest Channel / 10MHz / QPSK



Date: 6.FEB.2023 13:59:50

Highest Channel / 10MHz / 16QAM

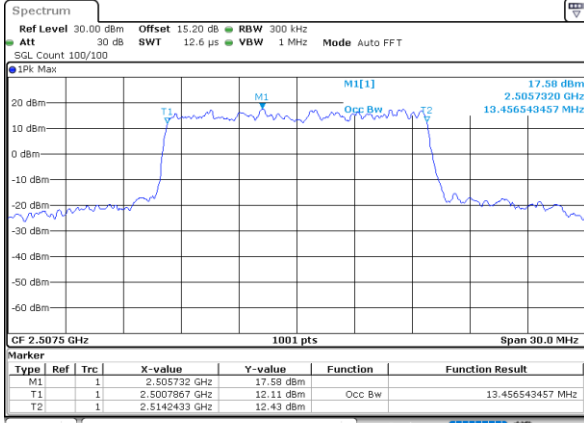


Date: 6.FEB.2023 13:59:33



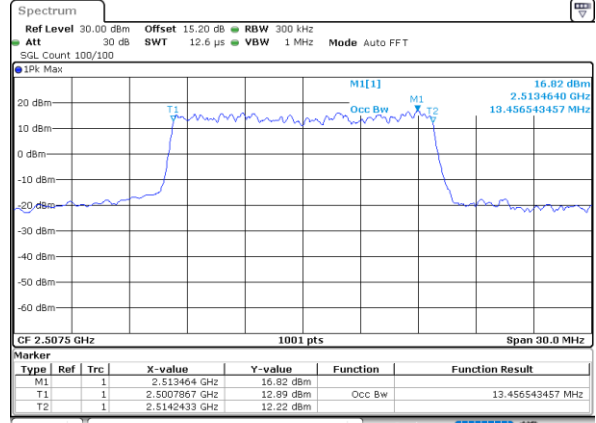
LTE Band 7

Lowest Channel / 15MHz / QPSK



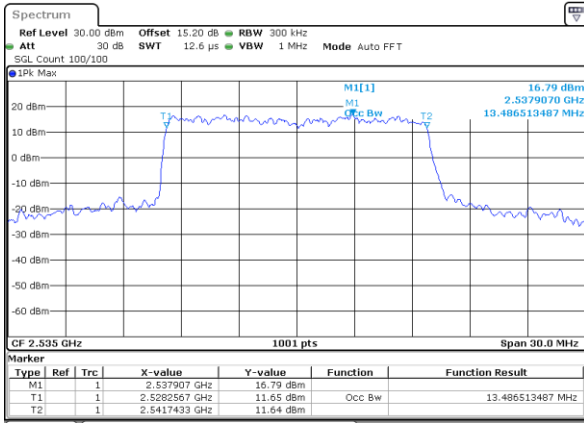
Date: 6.FEB.2023 15:46:17

Lowest Channel / 15MHz / 16QAM



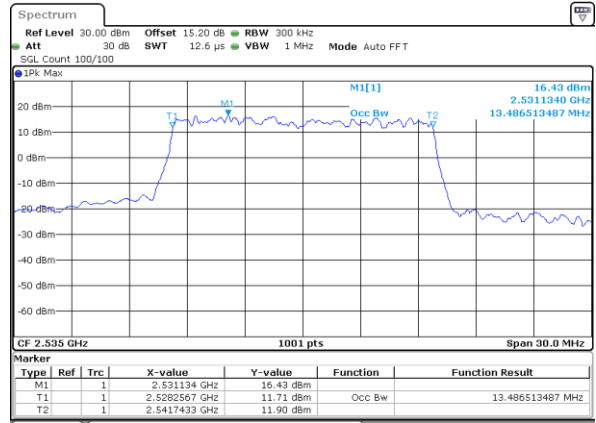
Date: 6.FEB.2023 15:45:53

Middle Channel / 15MHz / QPSK



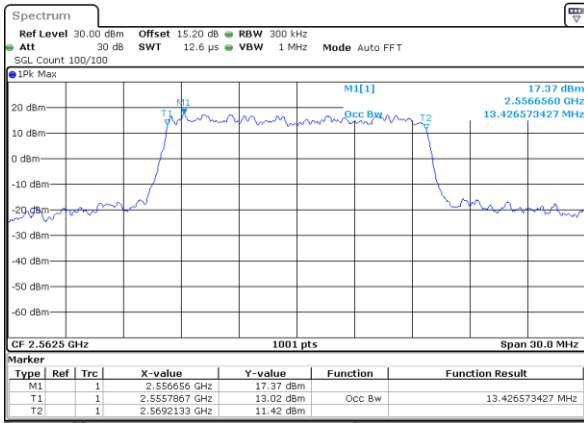
Date: 6.FEB.2023 15:46:51

Middle Channel / 15MHz / 16QAM



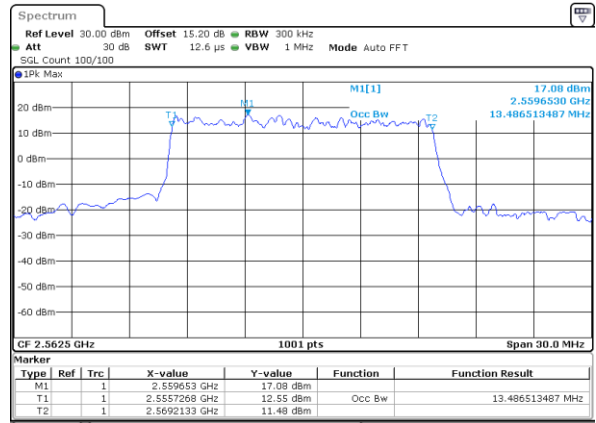
Date: 6.FEB.2023 15:47:42

Highest Channel / 15MHz / QPSK



Date: 6.FEB.2023 15:50:03

Highest Channel / 15MHz / 16QAM

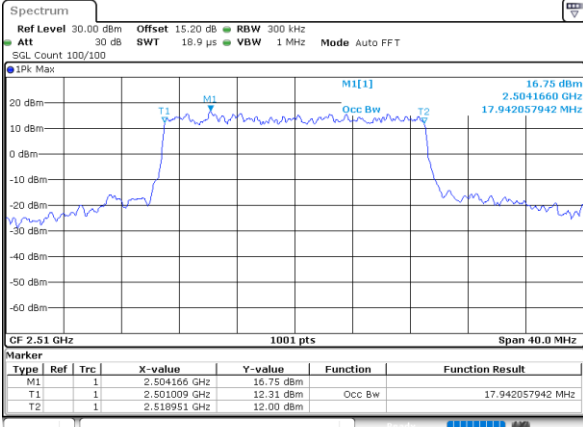


Date: 6.FEB.2023 15:49:11



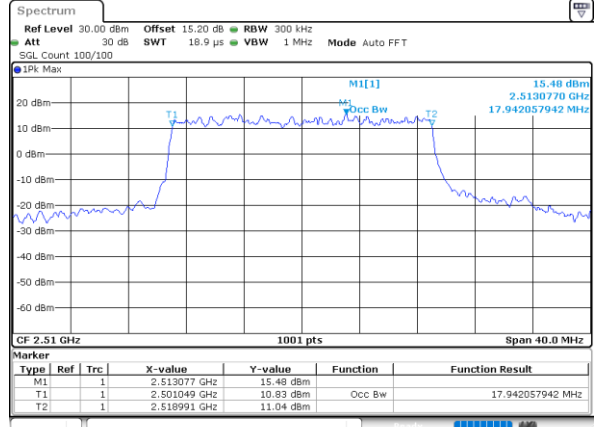
LTE Band 7

Lowest Channel / 20MHz / QPSK



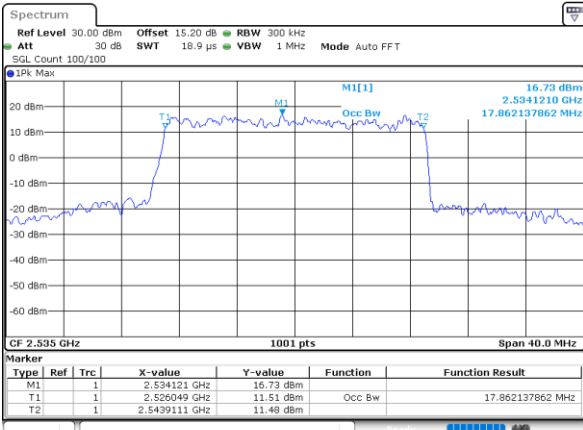
Date: 6.FEB.2023 15:52:49

Lowest Channel / 20MHz / 16QAM



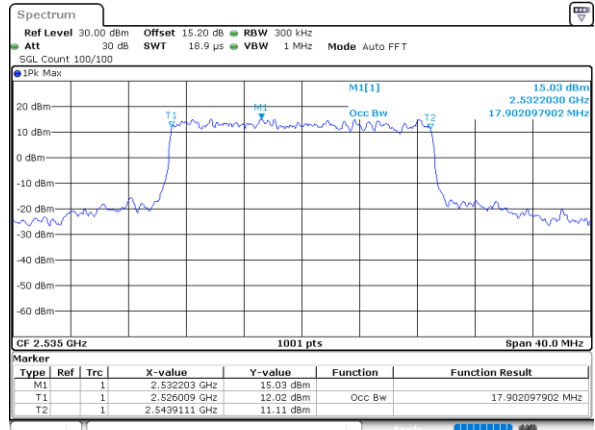
Date: 6.FEB.2023 15:53:23

Middle Channel / 20MHz / QPSK



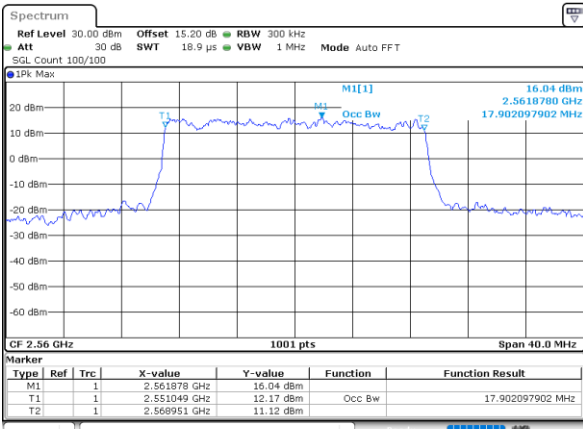
Date: 6.FEB.2023 15:55:50

Middle Channel / 20MHz / 16QAM



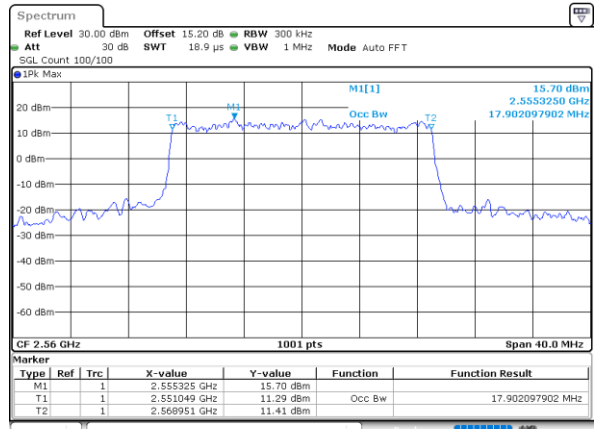
Date: 6.FEB.2023 15:56:37

Highest Channel / 20MHz / QPSK



Date: 6.FEB.2023 16:00:15

Highest Channel / 20MHz / 16QAM

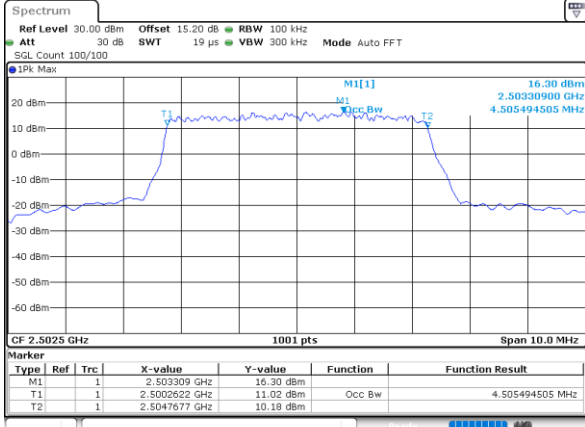


Date: 6.FEB.2023 15:59:32



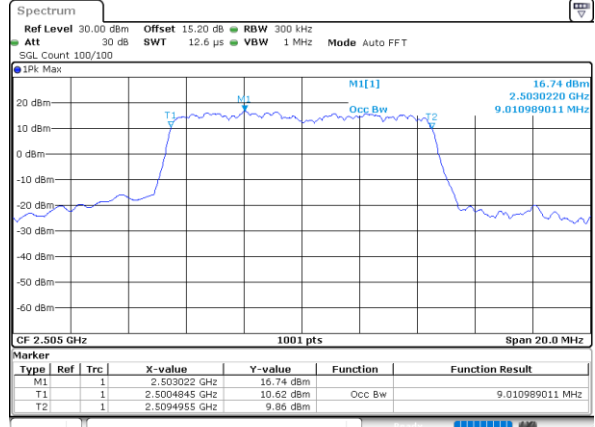
LTE Band 7

Lowest Channel / 5MHz / 64QAM



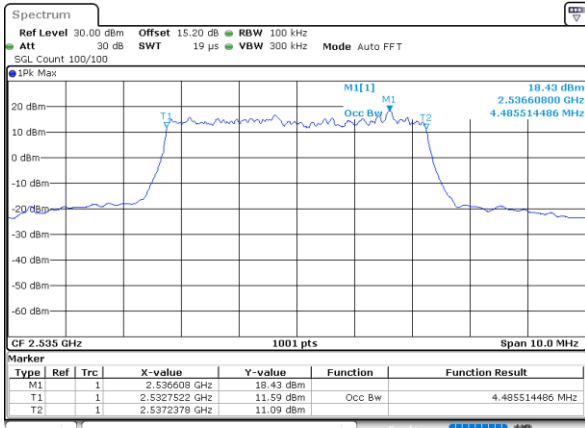
Date: 6.FEB.2023 13:49:29

Lowest Channel / 10MHz / 64QAM



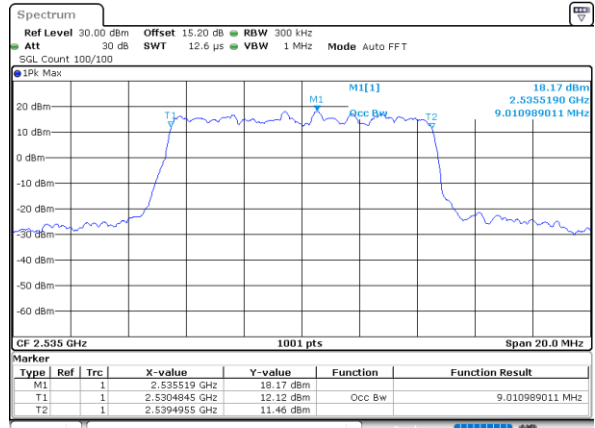
Date: 6.FEB.2023 13:56:34

Middle Channel / 5MHz / 64QAM



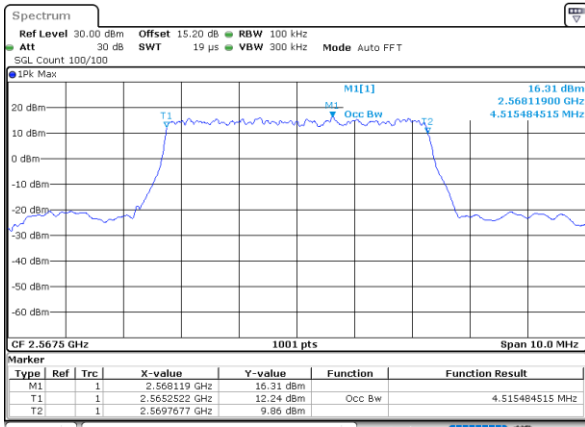
Date: 6.FEB.2023 13:49:57

Middle Channel / 10MHz / 64QAM



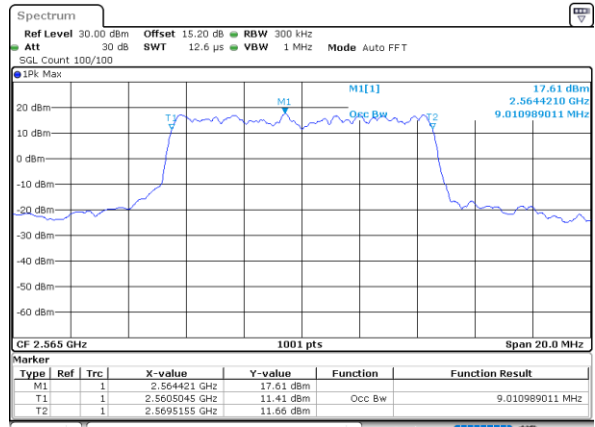
Date: 6.FEB.2023 13:58:52

Highest Channel / 5MHz / 64QAM



Date: 6.FEB.2023 13:51:49

Highest Channel / 10MHz / 64QAM

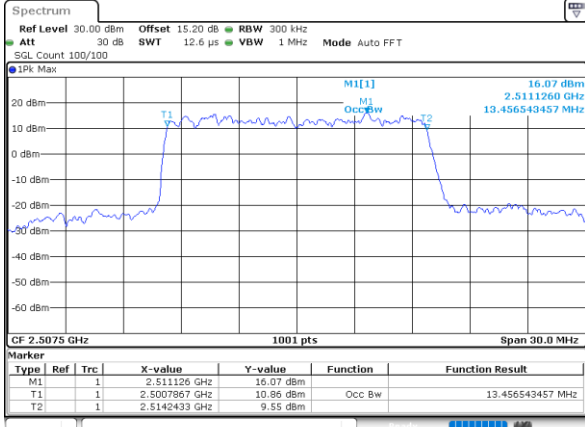


Date: 6.FEB.2023 13:59:14



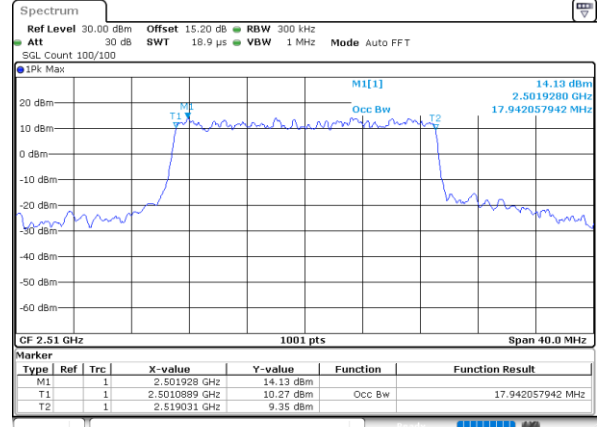
LTE Band 7

Lowest Channel / 15MHz / 64QAM



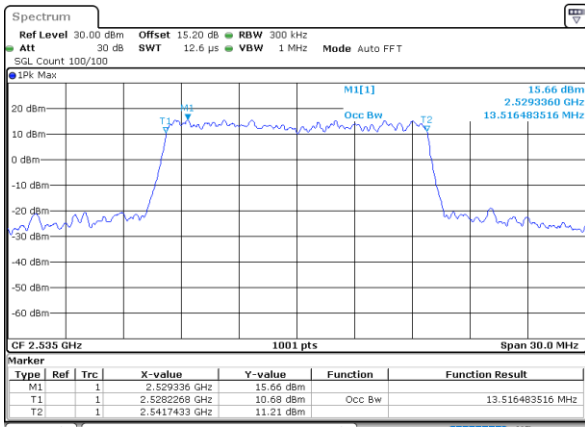
Date: 6.FEB.2023 15:45:31

Lowest Channel / 20MHz / 64QAM



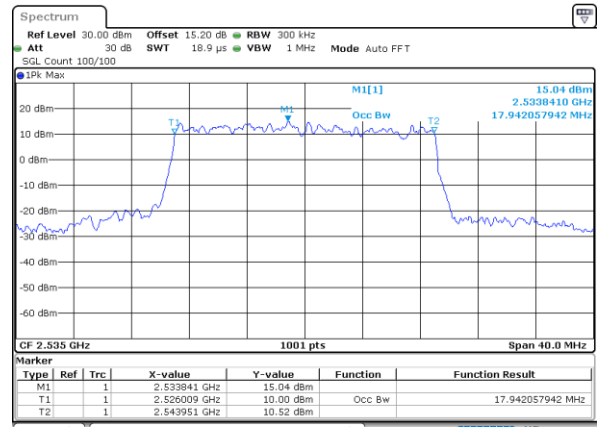
Date: 6.FEB.2023 15:53:46

Middle Channel / 15MHz / 64QAM



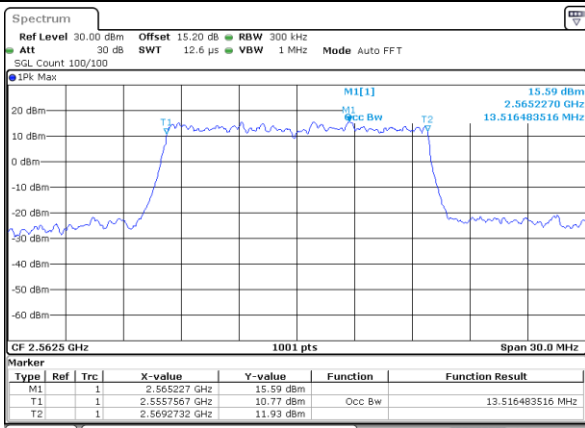
Date: 6.FEB.2023 15:48:14

Middle Channel / 20MHz / 64QAM



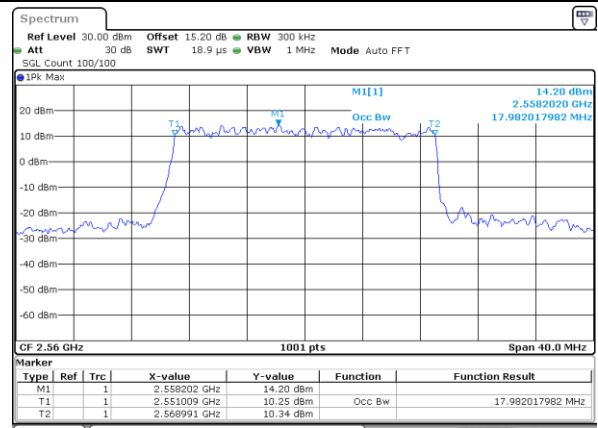
Date: 6.FEB.2023 15:57:46

Highest Channel / 15MHz / 64QAM



Date: 6.FEB.2023 15:48:39

Highest Channel / 20MHz / 64QAM



Date: 6.FEB.2023 15:58:50



Conducted Band Edge

