



FCC RF Test Report

APPLICANT : Xiaomi Communications Co., Ltd.
EQUIPMENT : Mobile Phone
BRAND NAME : Xiaomi
MODEL NAME : 2306EPN60G
FCC ID : 2AFZZN60G
STANDARD : 47 CFR Part 2, 22(H), 24(E), 27(F), 27(L), 27(H)
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S) : May 11, 2023 ~ Jun. 08, 2023

We, Sporton International Inc. (Kunshan), 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.

This report contains data that were produced under subcontract by Sporton International Inc. (Shenzhen).

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

Jason Jia



Approved by: Jason Jia

Sporton International Inc. (Kunshan)

**No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300
People's Republic of China**



TABLE OF CONTENTS

REVISION HISTORY... 3
SUMMARY OF TEST RESULT ... 4
1 GENERAL DESCRIPTION ... 5
1.1 Applicant ... 5
1.2 Manufacturer ... 5
1.3 Product Feature of Equipment Under Test ... 5
1.4 Product Specification of Equipment Under Test ... 6
1.5 Modification of EUT ... 7
1.6 Maximum ERP/EIRP Power and Emission Designator ... 8
1.7 Testing Location ... 10
1.8 Test Software ... 10
1.9 Applicable Standards ... 11
2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST ... 12
2.1 Test Mode ... 12
2.2 Connection Diagram of Test System ... 14
2.3 Support Unit used in test configuration and system ... 14
2.4 Measurement Results Explanation Example ... 14
2.5 Frequency List of Low/Middle/High Channels ... 15
3 CONDUCTED TEST ITEMS ... 19
3.1 Measuring Instruments ... 19
3.2 Test Setup ... 19
3.3 Test Result of Conducted Test ... 19
3.4 Conducted Output Power and ERP/EIRP ... 20
3.5 Peak-to-Average Ratio ... 21
3.6 Occupied Bandwidth ... 22
3.7 Conducted Band Edge ... 23
3.8 Conducted Spurious Emission ... 25
3.9 Frequency Stability ... 26
4 RADIATED TEST ITEMS ... 27
4.1 Measuring Instruments ... 27
4.2 Test Setup ... 27
4.3 Test Result of Radiated Test ... 28
4.4 Radiated Spurious Emission ... 29
5 LIST OF MEASURING EQUIPMENT ... 30
6 MEASUREMENT UNCERTAINTY ... 31
APPENDIX A. TEST RESULTS OF CONDUCTED TEST
APPENDIX B. TEST RESULTS OF RADIATED TEST
APPENDIX C. TEST SETUP PHOTOGRAPHS



REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG350505B	Rev. 01	Initial issue of report	Jun. 12, 2023



SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	-	Report Only	-
	§22.913(a)(5)	Effective Radiated Power (Band 5) (Band 26)	ERP < 7 Watt	PASS	-
	§27.50(b)(10) §27.50(c)(10)	Effective Radiated Power (Band 12) (Band 13) (Band 17)	ERP < 3 Watt		-
	§24.232(c)	Equivalent Isotropic Radiated Power (Band 2)	EIRP < 2Watt		-
	§27.50(d)(4)	Equivalent Isotropic Radiated Power (Band 4) (Band 66)	EIRP < 1Watt		-
3.5	§24.232(d)	Peak-to-Average Ratio	<13 dB		PASS
3.6	§2.1049	Occupied Bandwidth	-	Report Only	-
3.7	§2.1051 §22.917(a) §24.238(a) §27.53(c)(2)(4) §27.53(g) §27.53(h)	Conducted Band Edge Measurement (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 26) (Band 66)	< 43+10log ₁₀ (P[Watts])	PASS	-
3.8	§2.1051 §22.917(a) §24.238(a) §27.53(c)(2) §27.53(g) §27.53(h)	Conducted Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 26) (Band 66)	< 43+10log ₁₀ (P[Watts])	PASS	-
3.9	§2.1055 §22.355	Frequency Stability Temperature & Voltage	< 2.5 ppm for Part 22	PASS	-
	§2.1055 §24.235 §27.54		Within Authorized Band		
4.4	§2.1053 §22.917(a) §24.238(a) §27.53(c)(2) §27.53(f) §27.53(g) §27.53(h)	Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 13) (Band 17) (Band 26) (Band 66)	< 43+10log ₁₀ (P[Watts])	PASS	Under limit 18.97 dB at 1560.000 MHz

Conformity Assessment Condition:

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

Disclaimer:

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



1 General Description

1.1 Applicant

Xiaomi Communications Co., Ltd.

#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

1.2 Manufacturer

Xiaomi Communications Co., Ltd.

#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Phone
Brand Name	Xiaomi
Model Name	2306EPN60G
FCC ID	2AFZZN60G
IMEI Code	Conducted: 864825060061301/864825060061319 Radiation: 864825060101180/864825060101198
HW Version	P2.0
SW Version	MIUI 14
EUT Stage	Identical Prototype



1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	LTE Band 2 : 1850 MHz ~ 1910 MHz LTE Band 4 : 1710 MHz ~ 1755 MHz LTE Band 5 : 824 MHz ~ 849 MHz LTE Band 12 : 699 MHz ~ 716 MHz LTE Band 13 : 777 MHz ~ 787 MHz LTE Band 17 : 704 MHz ~ 716 MHz LTE Band 26 : 824 MHz ~ 849 MHz LTE Band 66 : 1710 MHz ~ 1780 MHz
Rx Frequency	LTE Band 2 : 1930 MHz ~ 1990 MHz LTE Band 4 : 2110 MHz ~ 2155 MHz LTE Band 5 : 869 MHz ~ 894 MHz LTE Band 12 : 729 MHz ~ 746 MHz LTE Band 13 : 746 MHz ~ 756 MHz LTE Band 17 : 734 MHz ~ 746 MHz LTE Band 26 : 869 MHz ~ 894 MHz LTE Band 66 : 2110 MHz~ 2180 MHz
Bandwidth	LTE Band 2 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 4 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 5 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 12 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 13 : 5MHz / 10MHz LTE Band 17 : 5MHz / 10MHz LTE Band 26 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz LTE Band 66 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz
Maximum Output Power to Antenna	Ant 0: LTE Band 5 : 24.66 dBm LTE Band 12 : 24.67 dBm LTE Band 13 : 24.58 dBm LTE Band 17 : 24.66 dBm LTE Band 26 : 24.69 dBm Ant 1: LTE Band 4 : 23.55 dBm LTE Band 5 : 23.81 dBm LTE Band 12 : 23.88 dBm LTE Band 13 : 23.67 dBm LTE Band 17 : 23.85 dBm LTE Band 26 : 23.82 dBm LTE Band 66 : 22.71 dBm Ant 2: LTE Band 2 : 23.96 dBm LTE Band 4 : 24.96 dBm LTE Band 66 : 24.14 dBm Ant 3: LTE Band 4 : 22.96 dBm LTE Band 66 : 22.15 dBm Ant 4: LTE Band 2 : 23.65 dBm LTE Band 4 : 24.69 dBm LTE Band 66 : 23.80 dBm



Antenna Gain	Ant 0: LTE Band 5 : -5.53 dBi LTE Band 12 : -5.50 dBi LTE Band 13 : -5.50 dBi LTE Band 17 : -5.50 dBi LTE Band 26 : -5.53 dBi Ant 1: LTE Band 4 : -6.00 dBi LTE Band 5 : -7.80 dBi LTE Band 12 : -7.90 dBi LTE Band 13 : -7.90 dBi LTE Band 17 : -7.90 dBi LTE Band 26 : -7.80 dBi LTE Band 66 : -6.00 dBi Ant 2: LTE Band 2 : -3.60 dBi LTE Band 4 : -3.60 dBi LTE Band 66 : -3.60 dBi Ant 3: LTE Band 4 : -7.20 dBi LTE Band 66 : -7.20 dBi Ant 4: LTE Band 2 : -6.10 dBi LTE Band 4 : -5.00 dBi LTE Band 66 : -5.00 dBi
	Type of Modulation : QPSK / 16QAM / 64QAM / 256QAM

Note:

1. The WWAN Antenna 0/1/2/3/4 only support Antenna Switch function, not support MIMO.
2. The maximum ERP/EIRP is calculated from max output power and max antenna gain, only the maximum ERP/EIRP of Ant.0 for LTE Band 5/12/13/17/26, and Ant.2 for LTE Band 2/4/66 are shown in the report.

1.5 Modification of EUT

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



1.6 Maximum ERP/EIRP Power and Emission Designator

LTE Band 2		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
1.4	1850.7 ~ 1909.3	0.0986	1M09G7D	0.0771	1M10W7D
3	1851.5 ~ 1908.5	0.0992	2M72G7D	0.0775	2M74W7D
5	1852.5 ~ 1907.5	0.0998	4M50G7D	0.0780	4M51W7D
10	1855.0 ~ 1905.0	0.0965	9M05G7D	0.0754	9M07W7D
15	1857.5 ~ 1902.5	0.0996	13M5G7D	0.0778	13M5W7D
20	1860.0 ~ 1900.0	0.1086	17M9G7D	0.0910	17M9W7D
LTE Band 4		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
1.4	1710.7 ~ 1754.3	0.1289	1M09G7D	0.1027	1M10W7D
3	1711.5 ~ 1753.5	0.1282	2M72G7D	0.1020	2M73W7D
5	1712.5 ~ 1752.5	0.1278	4M49G7D	0.1017	4M51W7D
10	1715.0 ~ 1750.0	0.1272	9M05G7D	0.1013	9M03W7D
15	1717.5 ~ 1747.5	0.1295	13M4G7D	0.1031	13M5W7D
20	1720.0 ~ 1745.0	0.1368	18M0G7D	0.1156	17M9W7D
LTE Band 5		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
1.4	824.7 ~ 848.3	0.0486	1M09G7D	0.0384	1M10W7D
3	825.5 ~ 847.5	0.0490	2M73G7D	0.0389	2M73W7D
5	826.5 ~ 846.5	0.0492	4M51G7D	0.0393	4M51W7D
10	829.0 ~ 844.0	0.0499	9M07G7D	0.0411	9M03W7D
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	0.0471	1M10G7D	0.0394	1M10W7D
3	700.5 ~ 714.5	0.0485	2M73G7D	0.0396	2M73W7D
5	701.5 ~ 713.5	0.0476	4M50G7D	0.0385	4M51W7D
10	704.0 ~ 711.0	0.0504	9M03G7D	0.0404	9M07W7D



LTE Band 13		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
5	779.5 ~ 784.5	0.0477	4M52G7D	0.0380	4M50W7D
10	782.0	0.0493	9M03G7D	0.0408	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	0.0502	4M50G7D	0.0417	4M51W7D
10	709.0 ~ 711.0	0.0486	9M03G7D	0.0404	9M07W7D
LTE Band 26		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
1.4	824.7 ~ 848.3	0.0494	1M09G7D	0.0394	1M10W7D
3	825.5 ~ 847.5	0.0490	2M73G7D	0.0390	2M73W7D
5	826.5 ~ 846.5	0.0492	4M51G7D	0.0392	4M51W7D
10	829.0 ~ 844.0	0.0476	9M07G7D	0.0379	9M03W7D
15	831.5 ~ 841.5	0.0502	13M4G7D	0.0416	13M5W7D
CH26790	824.0	0.0484	13M5G7D	0.0385	13M5W7D
LTE Band 66		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
1.4	1710.7 ~ 1779.3	0.1002	1M09G7D	0.0789	1M10W7D
3	1711.5 ~ 1778.5	0.1032	2M72G7D	0.0812	2M72W7D
5	1712.5 ~ 1777.5	0.1004	4M49G7D	0.0791	4M53W7D
10	1715.0 ~ 1775.0	0.1010	9M07G7D	0.0795	9M05W7D
15	1717.5 ~ 1772.5	0.1020	13M4G7D	0.0803	13M5W7D
20	1720.0 ~ 1770.0	0.1132	17M9G7D	0.0933	17M9W7D

Note:

1. LTE Band 26 overlaps the entire frequency range of LTE Band 5. Therefore, the test results provided in this report covers Band 5 and the portion of Band 26 subject to Part 22.
2. LTE Band 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.



1.7 Testing Location

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

Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	03CH04-KS	CN1257	314309

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

Note: Test data subcontracted: Test case of Conducted in section 3 of this report

1.8 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH04-KS	AUDIX	E3	6.2009-8-24al



1.9 Applicable Standards

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

- ♦ 47 CFR Part 2, 22(H), 24(E), 27(F), 27(H), 27(L)
- ♦ ANSI C63.26-2015
- ♦ FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
- ♦ FCC KDB 412172 D01 Determining ERP and EIRP v01r01

Remark:

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



2 Test Configuration of Equipment Under Test

2.1 Test Mode

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

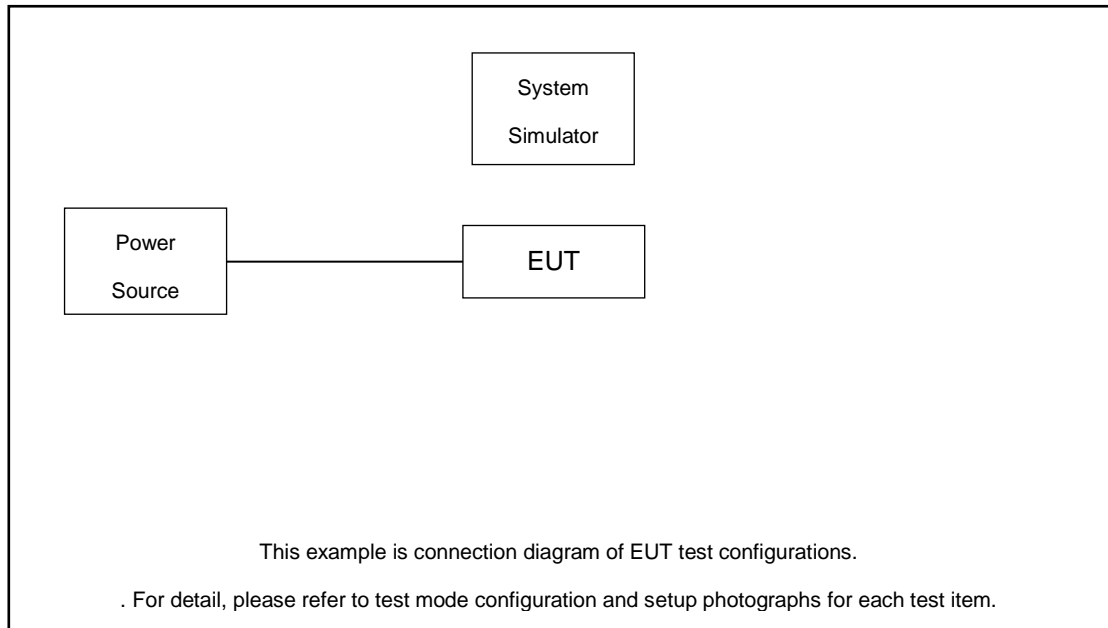
For radiated measurement, pre-scanned in three orthogonal panels X, Y, Z. The worst cases (X plane) were recorded in this report.

Test Items	Band	Bandwidth (MHz)						Modulation				RB #			Test Channel			
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H	
Max. Output Power	2	v	v	v	v	v	v	v	v	v	v	v	v		v	v	v	v
	4	v	v	v	v	v	v	v	v	v	v	v	v		v	v	v	v
	5	v	v	v	v	-	-	v	v	v	v	v	v		v	v	v	v
	12	v	v	v	v	-	-	v	v	v	v	v	v		v	v	v	v
	13	-	-	v	v	-	-	v	v	v	v	v	v		v	v	v	v
	17	-	-	v	v	-	-	v	v	v	v	v	v		v	v	v	v
	26	v	v	v	v	v	-	v	v	v	v	v	v		v	v	v	v
	66	v	v	v	v	v	v	v	v	v	v	v	v		v	v	v	v
Peak-to-Average Ratio	2						v	v	v	v				v	v	v	v	
	4						v	v	v	v				v	v	v	v	
	12				v	-	-	v	v	v				v	v	v	v	
	13	-	-		v	-	-	v	v	v				v	v	v	v	
	26					v	-	v	v	v				v	v	v	v	
	66						v	v	v	v				v	v	v	v	
26dB and 99% Bandwidth	2	v	v	v	v	v	v	v	v	v				v	v	v	v	
	4	v	v	v	v	v	v	v	v	v				v	v	v	v	
	12	v	v	v	v	-	-	v	v	v				v	v	v	v	
	13	-	-	v	v	-	-	v	v	v				v	v	v	v	
	26	v	v	v	v	v	-	v	v	v				v	v	v	v	
	66	v	v	v	v	v	v	v	v	v				v	v	v	v	
Conducted Band Edge	2	v	v	v	v	v	v	v	v	v			v		v		v	
	4	v	v	v	v	v	v	v	v	v			v		v		v	
	12	v	v	v	v	-	-	v	v	v			v		v		v	
	13	-	-	v	v	-	-	v	v	v			v		v		v	
	26	v	v	v	v	v	-	v	v	v			v		v		v	
	66	v	v	v	v	v	v	v	v	v			v		v		v	



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	2	v	v	v	v	v	v	v	v	v		v			v	v	v	
	4	v	v	v	v	v	v	v	v	v		v			v	v	v	
	12	v	v	v	v	-	-	v	v	v		v			v	v	v	
	13	-	-	v	v	-	-	v	v	v		v			v	v	v	
	26	v	v	v	v	v	-	v	v	v		v			v	v	v	
	66	v	v	v	v	v	v	v	v	v		v			v	v	v	
Frequency Stability	2				v			v						v		v		
	4				v			v						v		v		
	12				v	-	-	v						v		v		
	13				v	-	-	v						v		v		
	26				v		-	v						v		v		
	66				v			v						v		v		
E.R.P / E.I.R.P	2	v	v	v	v	v	v	v	v	v	v	v		v	v	v	v	
	4	v	v	v	v	v	v	v	v	v	v	v		v	v	v	v	
	5	v	v	v	v	-	-	v	v	v	v	v		v	v	v	v	
	12	v	v	v	v	-	-	v	v	v	v	v		v	v	v	v	
	13	-	-	v	v	-	-	v	v	v	v	v		v	v	v	v	
	17	-	-	v	v	-	-	v	v	v	v	v		v	v	v	v	
	26	v	v	v	v	v	-	v	v	v	v	v		v	v	v	v	
	66	v	v	v	v	v	v	v	v	v	v	v		v	v	v	v	
Radiated Spurious Emission	2	Worst Case															v	
	4	Worst Case															v	
	12	Worst Case															v	
	13	Worst Case															v	
	26	Worst Case															v	
	66	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 LTE Band 26 overlaps the entire frequency range of LTE Band 5. Therefore, the test results provided in this report covers Band 5 and the portion of Band 26 subject to Part 22. 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. 																	

2.2 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.	Base Station	Anritsu	MT8820/8821	Fcc DoC	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 RF conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level will be exactly the RF output level.

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

Offset = RF cable loss + attenuator factor.

The following shows an offset computation example with RF cable loss 4.5 dB and a 10dB attenuator.

Example :

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



2.5 Frequency List of Low/Middle/High Channels

LTE Band 2 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	18700	18900	19100
	Frequency	1860	1880	1900
15	Channel	18675	18900	19125
	Frequency	1857.5	1880	1902.5
10	Channel	18650	18900	19150
	Frequency	1855	1880	1905
5	Channel	18625	18900	19175
	Frequency	1852.5	1880	1907.5
3	Channel	18615	18900	19185
	Frequency	1851.5	1880	1908.5
1.4	Channel	18607	18900	19193
	Frequency	1850.7	1880	1909.3

LTE Band 4 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20050	20175	20300
	Frequency	1720	1732.5	1745
15	Channel	20025	20175	20325
	Frequency	1717.5	1732.5	1747.5
10	Channel	20000	20175	20350
	Frequency	1715	1732.5	1750
5	Channel	19975	20175	20375
	Frequency	1712.5	1732.5	1752.5
3	Channel	19965	20175	20385
	Frequency	1711.5	1732.5	1753.5
1.4	Channel	19957	20175	20393
	Frequency	1710.7	1732.5	1754.3



LTE Band 5 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
10	Channel	20450	20525	20600
	Frequency	829	836.5	844
5	Channel	20425	20525	20625
	Frequency	826.5	836.5	846.5
3	Channel	20415	20525	20635
	Frequency	825.5	836.5	847.5
1.4	Channel	20407	20525	20643
	Frequency	824.7	836.5	848.3

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

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



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

LTE Band 26 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
15	Channel	26865	26915	26965
	Frequency	831.5	836.5	841.5
10	Channel	26840	26915	26990
	Frequency	829	836.5	844
5	Channel	26815	26915	27015
	Frequency	826.5	836.5	846.5
3	Channel	26805	26915	27025
	Frequency	825.5	836.5	847.5
1.4	Channel	26797	26915	27033
	Frequency	824.7	836.5	848.3

LTE Band 26 Cross-rule Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	-	Middle	-
15	Channel	-	26790	-
	Frequency	-	824	-
10	Channel	-	26790	-
	Frequency	-	824	-
5	Channel	-	26790	-
	Frequency	-	824	-
3	Channel	-	26790	-
	Frequency	-	824	-
1.4	Channel	-	26790	-
	Frequency	-	824	-



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

3 Conducted Test Items

3.1 Measuring Instruments

See list of measuring instruments of this test report.

3.2 Test Setup

3.2.1 Conducted Output Power



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



3.2.3 Frequency Stability



3.3 Test Result of Conducted Test

Please refer to Appendix A.



3.4 Conducted Output Power and ERP/EIRP

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

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

The ERP of mobile transmitters must not exceed 7 Watts for LTE Band 5 and Band 26.

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

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 2.

The EIRP of mobile transmitters must not exceed 1 Watts for LTE Band 4 and Band 66.

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - L_C$, $ERP = EIRP - 2.15$, where

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB

3.4.2 Test Procedures

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



3.5 Peak-to-Average Ratio

3.5.1 Description of the PAR Measurement

Power Complementary Cumulative Distribution Function (CCDF) curves provide a means for characterizing the power peaks of a digitally modulated signal on a statistical basis. A CCDF curve depicts the probability of the peak signal amplitude exceeding the average power level. Most contemporary measurement instrumentation include the capability to produce CCDF curves for an input signal provided that the instrument's resolution bandwidth can be set wide enough to accommodate the entire input signal bandwidth. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

3.5.2 Test Procedures

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



3.6 Occupied Bandwidth

3.6.1 Description of Occupied Bandwidth Measurement

The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

3.6.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.4
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
4. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
5. Set the detection mode to peak, and the trace mode to max hold.
6. Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace.
(this is the reference value)
7. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
8. Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “-X dB down amplitude” determined in step 6. If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
9. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.



3.7 Conducted Band Edge

3.7.1 Description of Conducted Band Edge Measurement

22.917(a)

For operations in the 824 – 849 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100kHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

24.238 (a)

For operations in the 1850-1910 and 1930-1990 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1MHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53 (c)

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

27.53 (g)

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

27.53 (h)

For operations in the 1710 – 1755 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.



3.7.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The band edges of low and high channels for the highest RF powers were measured.
4. Set RBW \geq 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
5. Beyond the 1 MHz band from the band edge, RBW=1MHz was used or a narrower RBW was used and the measured power was integrated over the full required measurement bandwidth of 1 MHz.
6. Set spectrum analyzer with RMS detector.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
8. Checked that all the results comply with the emission limit line.

Example:

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

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

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

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



3.8 Conducted Spurious Emission

3.8.1 Description of Conducted Spurious Emission Measurement

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

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

3.8.2 Test Procedures

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



3.9 Frequency Stability

3.9.1 Description of Frequency Stability Measurement

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

3.9.2 Test Procedures for Temperature Variation

1. The testing follows ANSI C63.26 section 5.6.4
2. The EUT was set up in the thermal chamber and connected with the system simulator.
3. With power OFF, the temperature was decreased to -30°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.

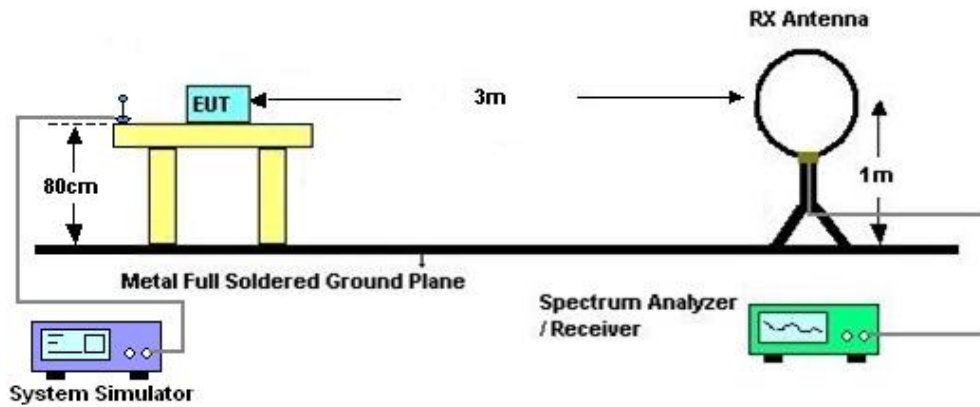
4 Radiated Test Items

4.1 Measuring Instruments

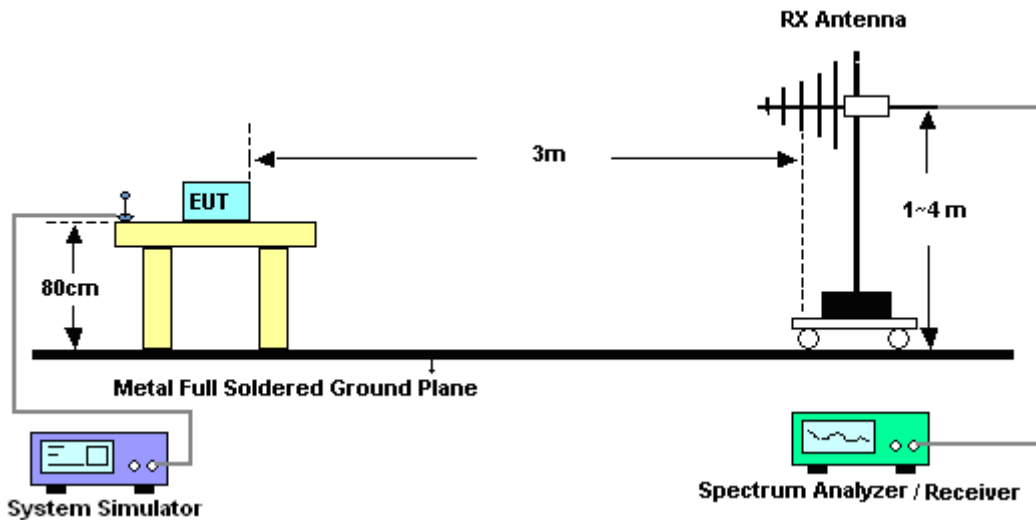
See list of measuring instruments of this test report.

4.2 Test Setup

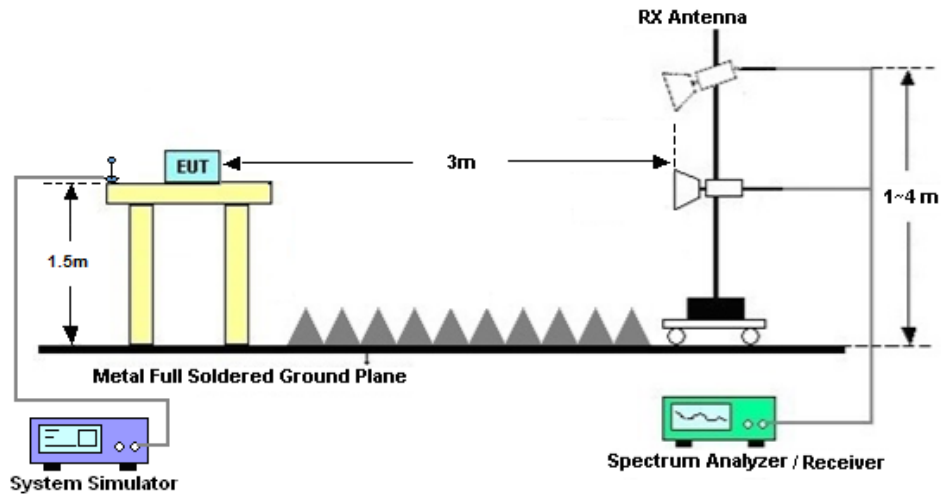
4.2.1 For radiated test below 30MHz



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 LTE Band 13

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

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

4.4.2 Test Procedures

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

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



5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 06, 2023	May 11, 2023~Jun. 08, 2023	Apr. 05, 2024	Conducted (TH01-SZ)
Power Divider	TOJOIN	PS-2SM-04 265	60.06.020.007 7	0.4GHz~26.5GHz	Dec. 25, 2022	May 11, 2023~Jun. 08, 2023	Dec. 24, 2023	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 07, 2022	May 11, 2023~Jun. 08, 2023	Jul. 06, 2023	Conducted (TH01-SZ)
EXA Spectrum Analyzer	Keysight	N9010B	MY57471079	10Hz~44G,MAX 30dB	Oct. 12, 2022	May 17, 2023	Oct. 11, 2023	Radiation (03CH04-KS)
Loop Antenna	R&S	HFH2-Z2	100321	9kHz~30MHz	Oct. 16, 2022	May 17, 2023	Oct. 15, 2023	Radiation (03CH04-KS)
Bilog Antenna	TeseQ	CBL6111D	49922	30MHz-1GHz	May 24, 2022	May 17, 2023	May 23, 2023	Radiation (03CH04-KS)
Horn Antenna	Schwarzbeck	BBHA9120D	1284	1GHz~18GHz	Oct. 16, 2022	May 17, 2023	Oct. 15, 2023	Radiation (03CH04-KS)
SHF-EHF Horn	Com-power	AH-840	101070	18GHz~40GHz	Jan. 08, 2023	May 17, 2023	Jan. 07, 2024	Radiation (03CH04-KS)
Amplifier	SONOMA	310N	187289	9KHz-1GHz	May 24, 2022	May 17, 2023	May 23, 2023	Radiation (03CH04-KS)
Amplifier	MITEQ	EM18G40G GA	060728	18~40GHz	Jan. 05, 2023	May 17, 2023	Jan. 04, 2024	Radiation (03CH04-KS)
high gain Amplifier	EM	EM01G18G A	060840	1Ghz-18Ghz	Oct. 12, 2022	May 17, 2023	Oct. 11, 2023	Radiation (03CH04-KS)
Amplifier	Agilent	8449B	3008A02370	1Ghz-18Ghz	Oct. 12, 2022	May 17, 2023	Oct. 11, 2023	Radiation (03CH04-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	May 17, 2023	NCR	Radiation (03CH04-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	May 17, 2023	NCR	Radiation (03CH04-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	May 17, 2023	NCR	Radiation (03CH04-KS)

NCR: No Calibration Required



6 Measurement Uncertainty

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

Uncertainty of Conducted Measurement

Test Item	Uncertainty
Conducted Power	±1.34 dB
Conducted Emissions	±1.34 dB
Occupied Channel Bandwidth	±0.13 %

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.82dB
---	--------

Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.56dB
---	--------

Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.54dB
---	--------



Appendix A. Test Results of Conducted Test

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

Conducted Output Power(Average power) and ERP/EIRP

LTE Band 2-Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				18700	18900	19100			
Frequency (MHz)				1860	1880	1900	L	M	H
20	QPSK	1	0	23.88	23.96	23.95	0.1067	0.1086	0.1084
20	QPSK	1	99	23.82	23.85	23.93	0.1052	0.1059	0.1079
20	QPSK	100	0	22.82	22.92	22.90	0.0836	0.0855	0.0851
20	16QAM	1	0	23.08	23.11	23.19	0.0887	0.0893	0.0910
20	64QAM	1	0	21.99	22.03	22.07	0.0690	0.0697	0.0703
20	256QAM	1	0	18.69	18.61	18.58	0.0323	0.0317	0.0315
Channel				18675	18900	19125	EIRP(W)		
Frequency (MHz)				1857.5	1880	1902.5	L	M	H
15	QPSK	1	0	23.47	23.58	23.53	0.0971	0.0996	0.0985
15	16QAM	1	0	22.39	22.51	22.36	0.0757	0.0778	0.0752
Channel				18650	18900	19150	EIRP(W)		
Frequency (MHz)				1855	1880	1905	L	M	H
10	QPSK	1	0	23.34	23.45	23.40	0.0941	0.0965	0.0954
10	16QAM	1	0	22.26	22.38	22.23	0.0734	0.0754	0.0729
Channel				18625	18900	19175	EIRP(W)		
Frequency (MHz)				1852.5	1880	1907.5	L	M	H
5	QPSK	1	0	23.48	23.59	23.54	0.0974	0.0998	0.0987
5	16QAM	1	0	22.40	22.52	22.38	0.0759	0.0780	0.0754
Channel				18615	18900	19185	EIRP(W)		
Frequency (MHz)				1851.5	1880	1908.5	L	M	H
3	QPSK	1	0	23.45	23.56	23.51	0.0967	0.0992	0.0980
3	16QAM	1	0	22.37	22.49	22.35	0.0754	0.0775	0.0749
Channel				18607	18900	19193	EIRP(W)		
Frequency (MHz)				1850.7	1880	1909.3	L	M	H
1.4	QPSK	1	0	23.43	23.54	23.49	0.0961	0.0986	0.0975
1.4	16QAM	1	0	22.35	22.47	22.32	0.0750	0.0771	0.0745



LTE Band 4-Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745	L	M	H
20	QPSK	1	0	24.86	24.96	24.88	0.1337	0.1368	0.1343
20	QPSK	1	99	24.83	24.90	24.87	0.1327	0.1349	0.1340
20	QPSK	100	0	23.85	23.99	23.97	0.1059	0.1094	0.1089
20	16QAM	1	0	24.09	24.18	24.23	0.1119	0.1143	0.1156
20	64QAM	1	0	22.91	23.02	23.09	0.0853	0.0875	0.0889
20	256QAM	1	0	19.72	19.80	19.69	0.0409	0.0417	0.0406
Channel				20025	20175	20325	EIRP(W)		
Frequency (MHz)				1717.5	1732.5	1747.5	L	M	H
15	QPSK	1	0	24.61	24.72	24.64	0.1263	0.1295	0.1272
15	16QAM	1	0	23.66	23.73	23.59	0.1014	0.1031	0.0999
Channel				20000	20175	20350	EIRP(W)		
Frequency (MHz)				1715	1732.5	1750	L	M	H
10	QPSK	1	0	24.54	24.65	24.57	0.1241	0.1272	0.1249
10	16QAM	1	0	23.58	23.66	23.52	0.0997	0.1013	0.0981
Channel				19975	20175	20375	EIRP(W)		
Frequency (MHz)				1712.5	1732.5	1752.5	L	M	H
5	QPSK	1	0	24.56	24.67	24.59	0.1246	0.1278	0.1255
5	16QAM	1	0	23.60	23.68	23.54	0.1001	0.1017	0.0985
Channel				19965	20175	20385	EIRP(W)		
Frequency (MHz)				1711.5	1732.5	1753.5	L	M	H
3	QPSK	1	0	24.57	24.68	24.60	0.1250	0.1282	0.1258
3	16QAM	1	0	23.62	23.69	23.55	0.1004	0.1020	0.0988
Channel				19950	20175	20393	EIRP(W)		
Frequency (MHz)				1710	1732.5	1754.3	L	M	H
1.4	QPSK	1	0	24.59	24.70	24.62	0.1257	0.1289	0.1266
1.4	16QAM	1	0	23.64	23.71	23.57	0.1010	0.1027	0.0994



LTE Band 5-Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)		
Channel				20450	20525	20600			
Frequency (MHz)				829	836.5	844	L	M	H
10	QPSK	1	0	24.59	24.66	24.65	0.0491	0.0499	0.0498
10	QPSK	1	49	24.51	24.65	24.58	0.0482	0.0498	0.0490
10	QPSK	50	0	23.55	23.63	23.54	0.0386	0.0394	0.0385
10	16QAM	1	0	23.66	23.74	23.82	0.0396	0.0404	0.0411
10	64QAM	1	0	22.60	22.66	22.75	0.0310	0.0315	0.0321
10	256QAM	1	0	19.68	19.74	19.71	0.0158	0.0161	0.0160
Channel				20425	20525	20625	ERP(W)		
Frequency (MHz)				826.5	836.5	846.5	L	M	H
5	QPSK	1	0	24.52	24.60	24.43	0.0483	0.0492	0.0473
5	16QAM	1	0	23.52	23.62	23.58	0.0384	0.0393	0.0389
Channel				20415	20525	20635	ERP(W)		
Frequency (MHz)				825.5	836.5	847.5	L	M	H
3	QPSK	1	0	24.41	24.58	24.36	0.0471	0.0490	0.0466
3	16QAM	1	0	23.43	23.58	23.42	0.0376	0.0389	0.0375
Channel				20407	20525	20643	ERP(W)		
Frequency (MHz)				824.7	836.5	848.3	L	M	H
1.4	QPSK	1	0	24.42	24.55	24.39	0.0472	0.0486	0.0469
1.4	16QAM	1	0	23.41	23.52	23.44	0.0374	0.0384	0.0377



LTE Band 12-Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)		
Channel				23060	23095	23130	ERP(W)		
Frequency (MHz)				704	707.5	711	L	M	H
10	QPSK	1	0	24.62	24.67	24.65	0.0498	0.0504	0.0501
10	QPSK	1	49	24.51	24.62	24.59	0.0485	0.0498	0.0494
10	QPSK	50	0	23.57	23.61	23.54	0.0391	0.0394	0.0388
10	16QAM	1	0	23.55	23.71	23.69	0.0389	0.0404	0.0402
10	64QAM	1	0	22.51	22.69	22.60	0.0306	0.0319	0.0313
10	256QAM	1	0	19.48	19.65	19.65	0.0152	0.0158	0.0158
Channel				23035	23095	23155	ERP(W)		
Frequency (MHz)				701.5	707.5	713.5	L	M	H
5	QPSK	1	0	24.09	24.43	24.39	0.0441	0.0476	0.0472
5	16QAM	1	0	23.51	23.43	23.47	0.0385	0.0378	0.0382
Channel				23025	23095	23165	ERP(W)		
Frequency (MHz)				700.5	707.5	714.5	L	M	H
3	QPSK	1	0	24.25	24.51	24.47	0.0457	0.0485	0.0481
3	16QAM	1	0	23.63	23.58	23.51	0.0396	0.0392	0.0385
Channel				23017	23095	23173	ERP(W)		
Frequency (MHz)				699.7	707.5	715.3	L	M	H
1.4	QPSK	1	0	24.22	24.38	24.34	0.0454	0.0471	0.0467
1.4	16QAM	1	0	23.60	23.52	23.41	0.0394	0.0386	0.0377



LTE Band 13-Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)		
Channel				23230					
Frequency (MHz)				782				M	
10	QPSK	1	0		24.58			0.0493	
10	QPSK	1	49		24.55			0.0490	
10	QPSK	50	0		23.56			0.0390	
10	16QAM	1	0		23.76			0.0408	
10	64QAM	1	0		22.62			0.0314	
10	256QAM	1	0		19.56			0.0155	
Channel				23205	23230	23255	ERP(W)		
Frequency (MHz)				779.5	782	784.5	L	M	H
5	QPSK	1	0	24.41	24.44	24.35	0.0474	0.0477	0.0468
5	16QAM	1	0	23.33	23.45	23.25	0.0370	0.0380	0.0363

LTE Band 17-Ant 0									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)		
Channel				23780	23790	23800			
Frequency (MHz)				709	710	711	L	M	H
10	QPSK	1	0	24.64	24.66	24.65	0.0500	0.0502	0.0501
10	QPSK	1	49	24.53	24.58	24.47	0.0488	0.0493	0.0481
10	QPSK	50	0	23.59	23.60	23.58	0.0393	0.0394	0.0392
10	16QAM	1	0	23.77	23.85	23.77	0.0409	0.0417	0.0409
10	64QAM	1	0	22.74	22.81	22.66	0.0323	0.0328	0.0317
10	256QAM	1	0	19.47	19.58	19.38	0.0152	0.0156	0.0149
Channel				23755	23790	23825	ERP(W)		
Frequency (MHz)				706.5	710	713.5	L	M	H
5	QPSK	1	0	24.33	24.52	24.36	0.0466	0.0486	0.0469
5	16QAM	1	0	23.52	23.46	23.71	0.0386	0.0381	0.0404



LTE Band 26-Ant 0											
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)			
Channel				26790	26865	26915	26965				
Frequency (MHz)				824	831.5	836.5	841.5	Straddle Ch	L	M	H
15	QPSK	1	0	24.53	24.65	24.69	24.66	0.0484	0.0498	0.0502	0.0499
15	QPSK	1	74	24.50	24.58	24.62	24.64	0.0481	0.0490	0.0494	0.0497
15	QPSK	75	0	23.66	23.62	23.64	23.58	0.0396	0.0393	0.0394	0.0389
15	16QAM	1	0	23.54	23.73	23.80	23.87	0.0385	0.0403	0.0409	0.0416
15	64QAM	1	0	22.61	22.66	22.73	22.79	0.0311	0.0315	0.0320	0.0324
15	256QAM	1	0	19.54	19.60	19.62	19.60	0.0153	0.0156	0.0156	0.0156
Channel					26840	26915	26990	ERP(W)			
Frequency (MHz)					829	836.5	844	L	M	H	
10	QPSK	1	0	24.28	24.45	24.34		0.0457	0.0476	0.0464	
10	16QAM	1	0	23.33	23.46	23.42		0.0368	0.0379	0.0375	
Channel					26815	26915	27015	ERP(W)			
Frequency (MHz)					826.5	836.5	846.5	L	M	H	
5	QPSK	1	0	24.43	24.60	24.49		0.0474	0.0492	0.0480	
5	16QAM	1	0	23.48	23.61	23.57		0.0380	0.0392	0.0388	
Channel					26815	26915	27025	ERP(W)			
Frequency (MHz)					825.5	836.5	847.5	L	M	H	
3	QPSK	1	0	24.42	24.59	24.48		0.0472	0.0490	0.0478	
3	16QAM	1	0	23.47	23.60	23.56		0.0379	0.0390	0.0387	
Channel					26797	26915	27033	ERP(W)			
Frequency (MHz)					824.7	836.5	848.3	L	M	H	
1.4	QPSK	1	0	24.45	24.62	24.51		0.0475	0.0494	0.0482	
1.4	16QAM	1	0	23.50	23.63	23.59		0.0382	0.0394	0.0390	



LTE Band 66-Ant 2									
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				132072	132322	132572	EIRP(W)		
Frequency (MHz)				1720	1745	1770	L	M	H
20	QPSK	1	0	23.96	24.14	24.12	0.1086	0.1132	0.1127
20	QPSK	1	99	23.85	24.03	23.88	0.1059	0.1104	0.1067
20	QPSK	100	0	22.92	23.06	23.04	0.0855	0.0883	0.0879
20	16QAM	1	0	23.09	23.30	23.27	0.0889	0.0933	0.0927
20	64QAM	1	0	22.00	22.20	22.20	0.0692	0.0724	0.0724
20	256QAM	1	0	18.65	18.76	18.66	0.0320	0.0328	0.0321
Channel				132047	132322	132597	EIRP(W)		
Frequency (MHz)				1717.5	1745	1772.5	L	M	H
15	QPSK	1	0	23.61	23.69	23.58	0.1002	0.1020	0.0995
15	16QAM	1	0	22.47	22.65	22.60	0.0771	0.0803	0.0795
Channel				132022	132322	132622	EIRP(W)		
Frequency (MHz)				1715	1745	1775	L	M	H
10	QPSK	1	0	23.56	23.64	23.53	0.0992	0.1010	0.0985
10	16QAM	1	0	22.43	22.60	22.56	0.0763	0.0795	0.0787
Channel				131997	132322	132647	EIRP(W)		
Frequency (MHz)				1712.5	1745	1777.5	L	M	H
5	QPSK	1	0	23.54	23.62	23.51	0.0986	0.1004	0.0979
5	16QAM	1	0	22.40	22.58	22.53	0.0759	0.0791	0.0782
Channel				131987	132322	132657	EIRP(W)		
Frequency (MHz)				1711.5	1745	1778.5	L	M	H
3	QPSK	1	0	23.66	23.74	23.63	0.1013	0.1032	0.1006
3	16QAM	1	0	22.52	22.70	22.65	0.0779	0.0812	0.0804
Channel				131979	132322	132665	EIRP(W)		
Frequency (MHz)				1710.7	1745	1779.3	L	M	H
1.4	QPSK	1	0	23.53	23.61	23.50	0.0984	0.1002	0.0977
1.4	16QAM	1	0	22.39	22.57	22.53	0.0757	0.0789	0.0781



LTE Band 2

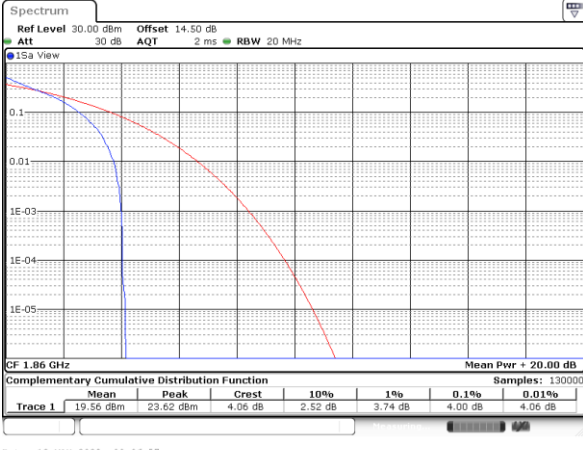
Peak-to-Average Ratio

Mode	LTE Band 2 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.00	4.93	4.84	5.86	PASS
Middle CH	3.91	4.84	4.72	5.83	
Highest CH	3.97	4.81	4.99	5.80	
Mode	LTE Band 2 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.39	6.20	-	-	PASS
Middle CH	5.28	6.12	-	-	
Highest CH	5.54	6.03	-	-	



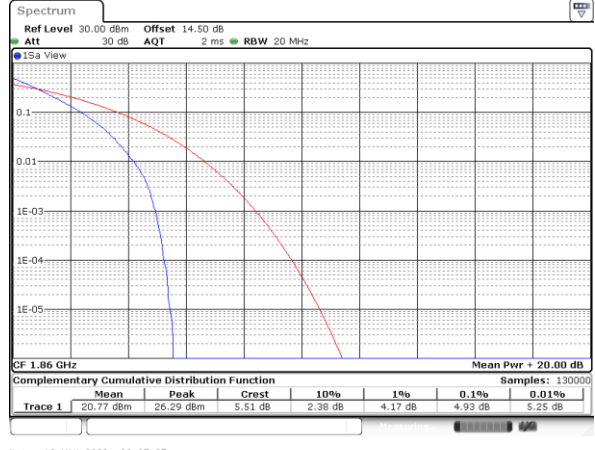
LTE Band 2 / 20MHz / QPSK

Lowest Channel / 1RB



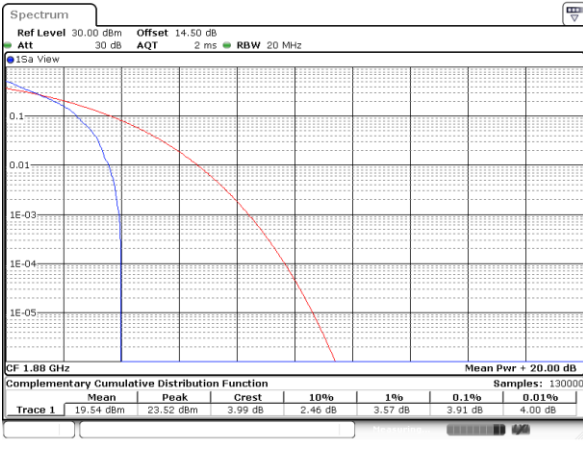
Date: 12.MAY.2023 00:06:57

Lowest Channel / Full RB



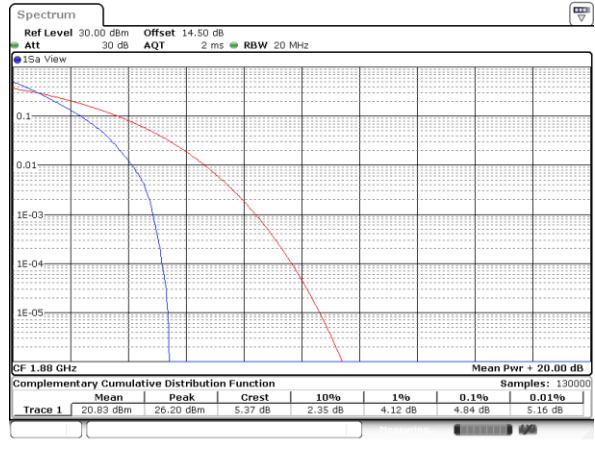
Date: 12.MAY.2023 00:07:27

Middle Channel / 1RB



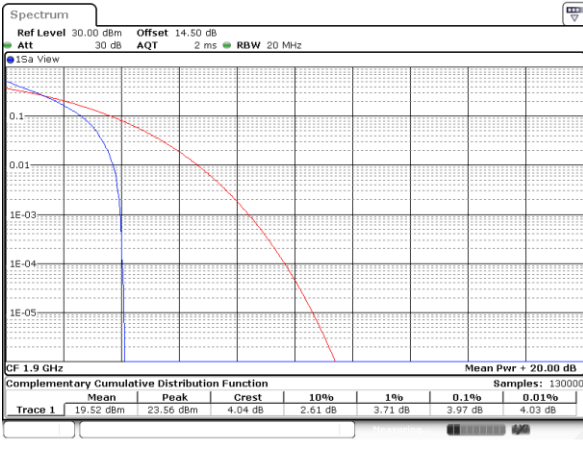
Date: 12.MAY.2023 00:07:58

Middle Channel / Full RB



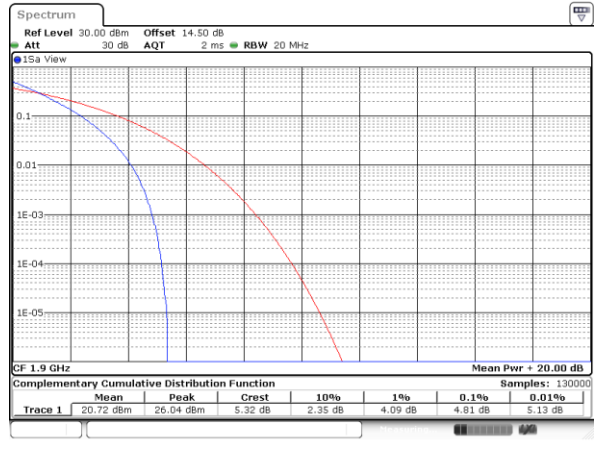
Date: 12.MAY.2023 00:08:27

Highest Channel / 1RB



Date: 12.MAY.2023 00:08:58

Highest Channel / Full RB

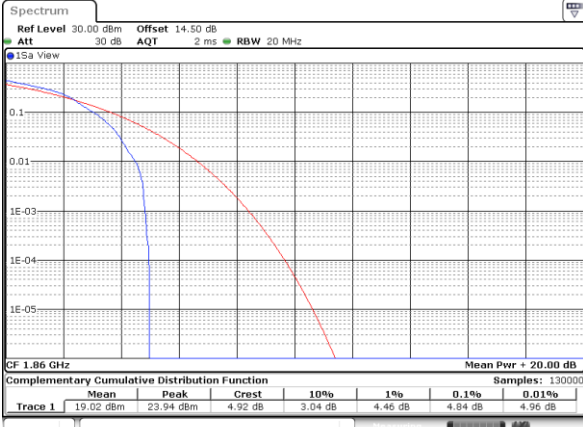


Date: 12.MAY.2023 00:09:28



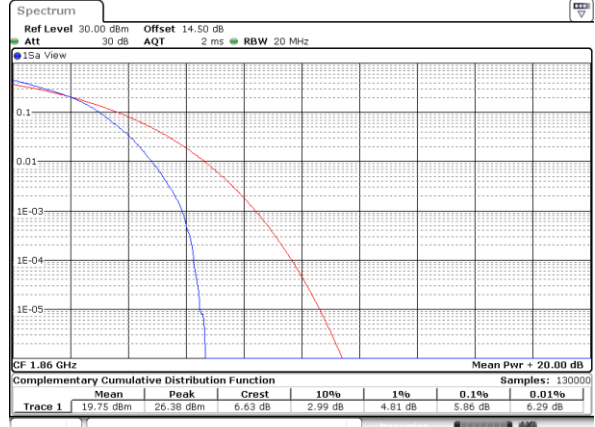
LTE Band 2 / 20MHz / 16QAM

Lowest Channel / 1RB



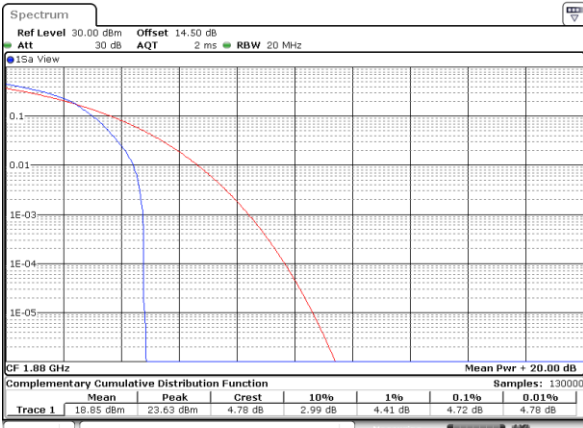
Date: 12.MAY.2023 00:03:27

Lowest Channel / Full RB



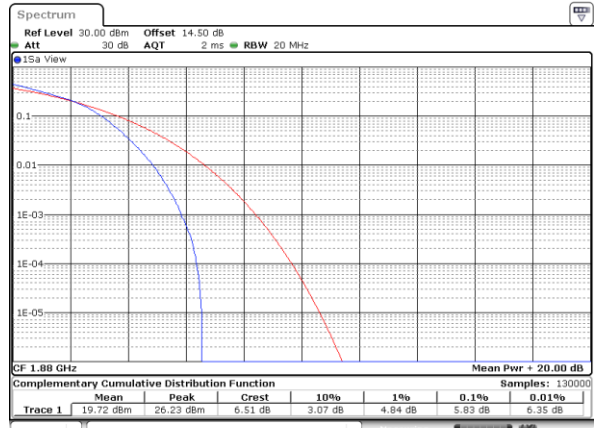
Date: 12.MAY.2023 00:04:03

Middle Channel / 1RB



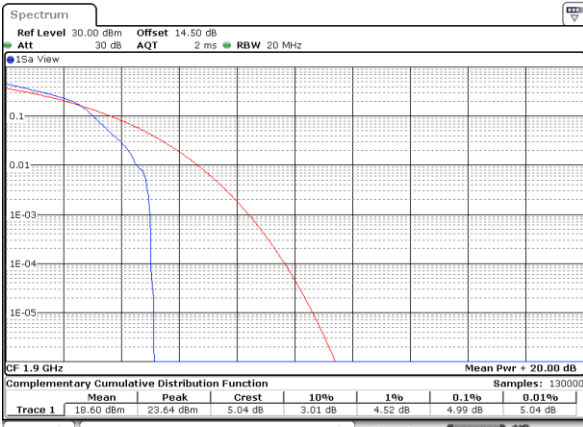
Date: 12.MAY.2023 00:04:40

Middle Channel / Full RB



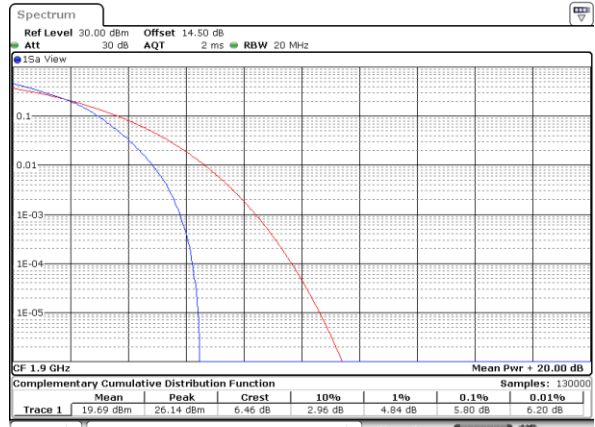
Date: 12.MAY.2023 00:05:16

Highest Channel / 1RB



Date: 12.MAY.2023 00:05:51

Highest Channel / Full RB

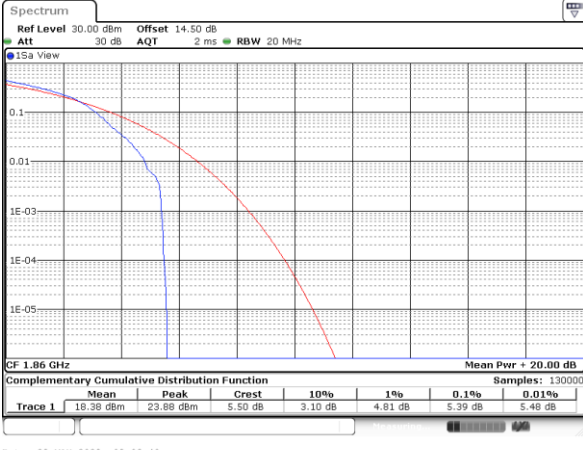


Date: 12.MAY.2023 00:06:21



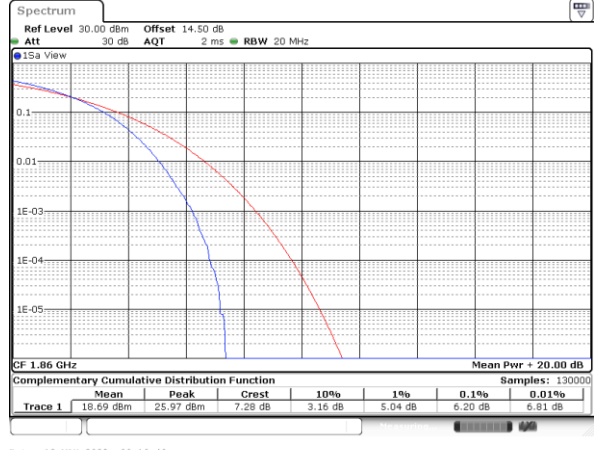
LTE Band 2 / 20MHz / 64QAM

Lowest Channel / 1RB



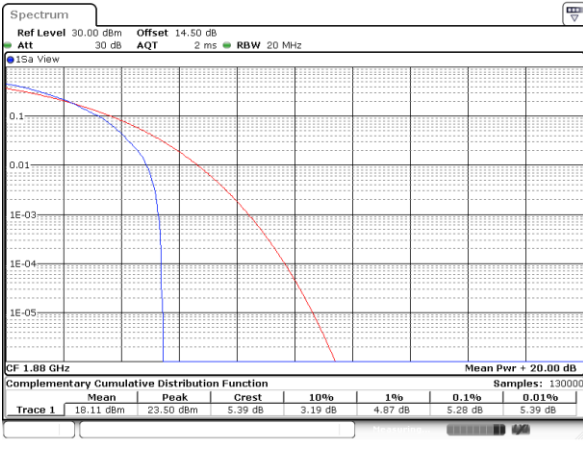
Date: 23.MAY.2023 09:08:40

Lowest Channel / Full RB



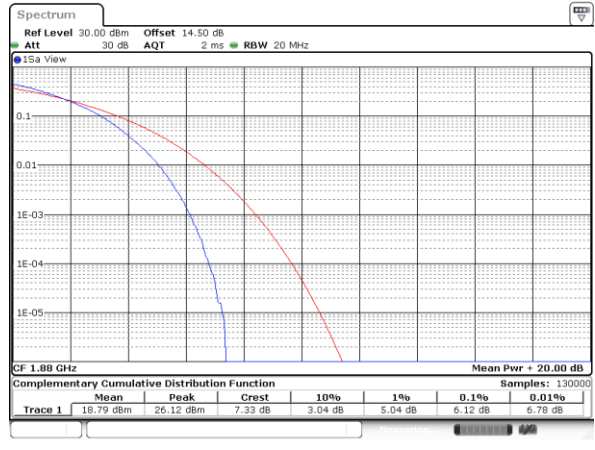
Date: 12.MAY.2023 00:11:40

Middle Channel / 1RB



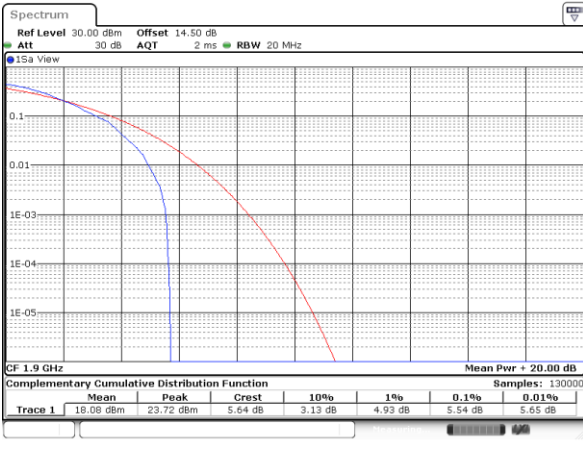
Date: 23.MAY.2023 09:09:05

Middle Channel / Full RB



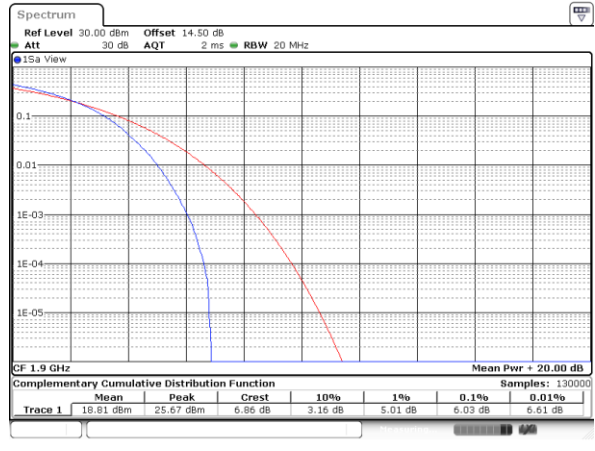
Date: 12.MAY.2023 00:11:40

Highest Channel / 1RB



Date: 23.MAY.2023 09:10:09

Highest Channel / Full RB



Date: 12.MAY.2023 00:12:46



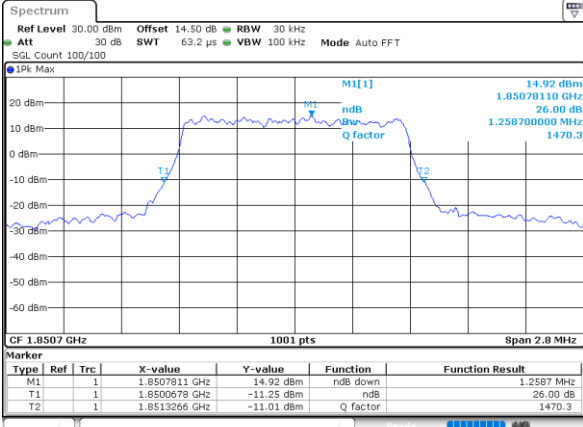
26dB Bandwidth

Mode	LTE Band 2 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.26	1.29	3.00	2.94	4.93	4.81	10.01	9.91	14.27	14.45	18.82	19.10
Middle CH	1.28	1.26	2.97	2.97	4.91	4.87	9.65	9.89	14.18	14.15	18.74	19.30
Highest CH	1.28	1.30	2.97	3.00	4.89	4.85	9.81	9.99	14.48	14.39	19.14	18.82
Mode	LTE Band 2 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.28	-	2.96	-	4.90	-	9.75	-	14.33	-	19.10	-
Middle CH	1.29	-	2.94	-	4.93	-	9.71	-	14.30	-	18.78	-
Highest CH	1.30	-	2.93	-	4.89	-	9.73	-	14.36	-	18.74	-



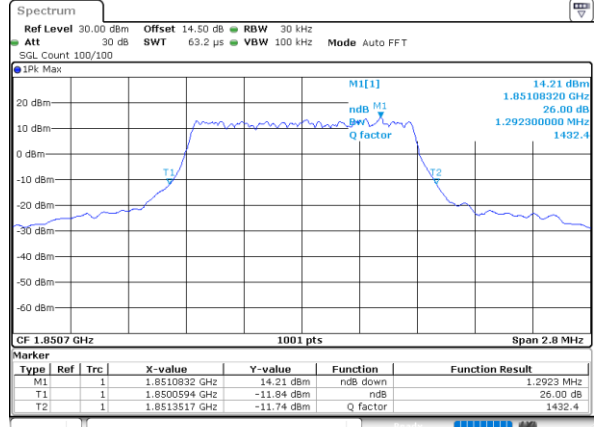
LTE Band 2

Lowest Channel / 1.4MHz / QPSK



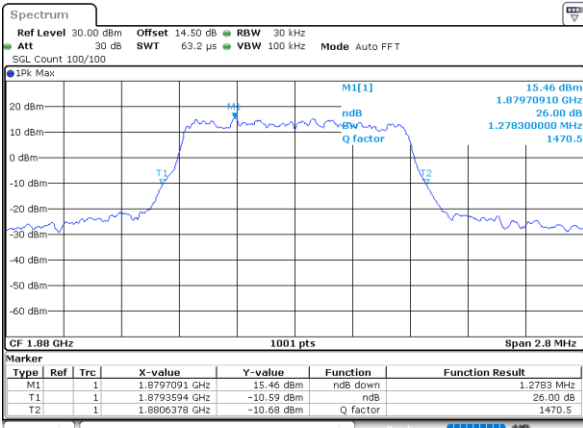
Date: 11.MAY.2023 19:35:33

Lowest Channel / 1.4MHz / 16QAM



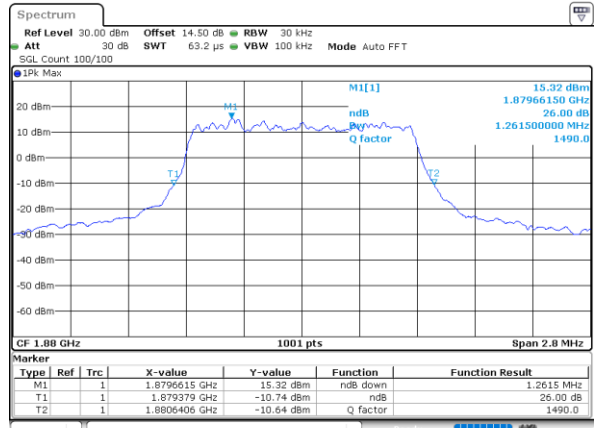
Date: 11.MAY.2023 19:36:09

Middle Channel / 1.4MHz / QPSK



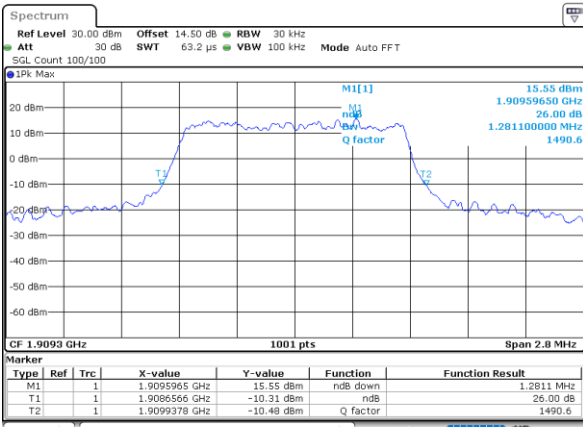
Date: 11.MAY.2023 19:48:41

Middle Channel / 1.4MHz / 16QAM



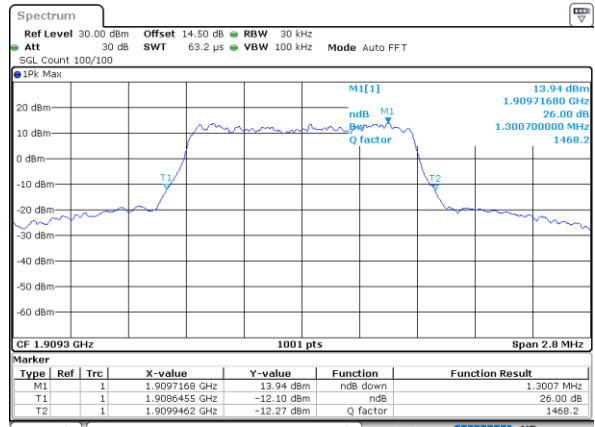
Date: 11.MAY.2023 19:49:35

Highest Channel / 1.4MHz / QPSK



Date: 11.MAY.2023 19:55:06

Highest Channel / 1.4MHz / 16QAM

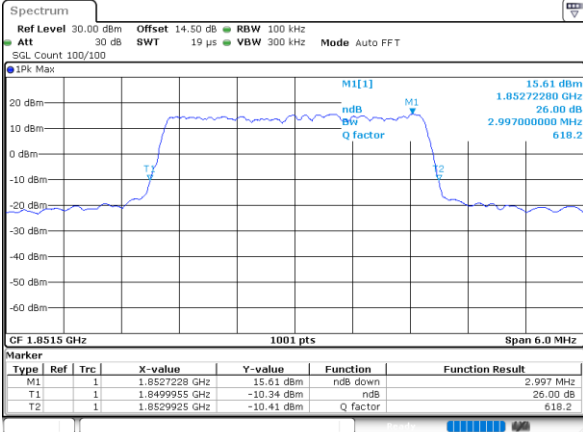


Date: 11.MAY.2023 19:55:42



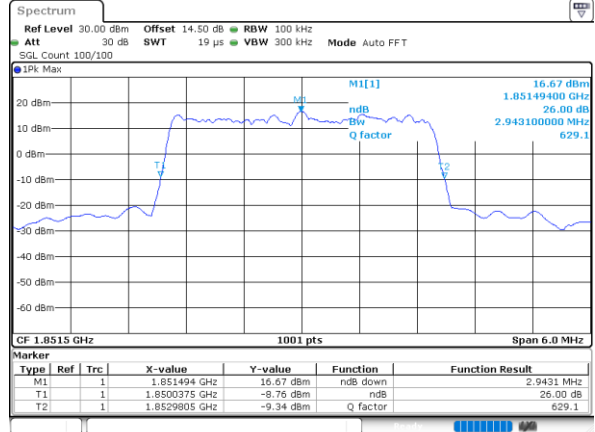
LTE Band 2

Lowest Channel / 3MHz / QPSK



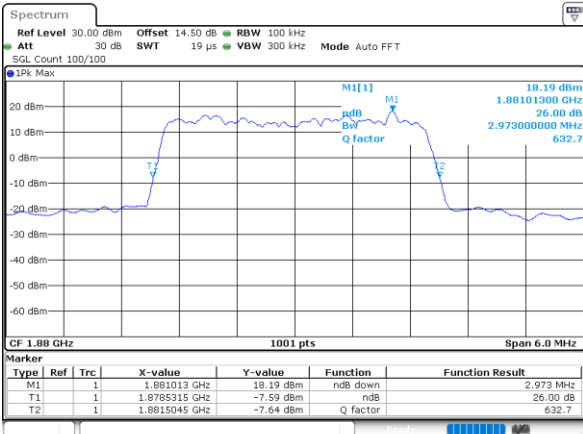
Date: 11.MAY.2023 20:08:19

Lowest Channel / 3MHz / 16QAM



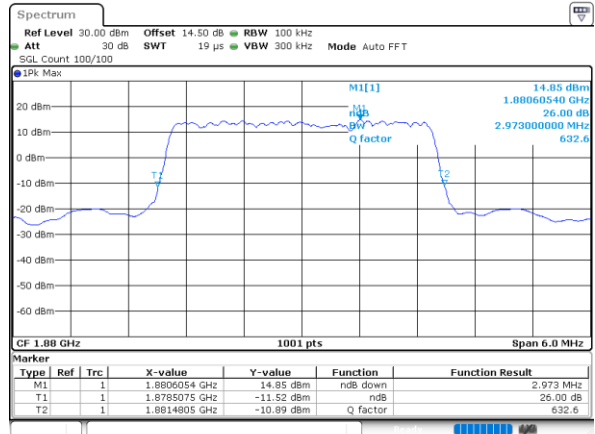
Date: 11.MAY.2023 20:08:55

Middle Channel / 3MHz / QPSK



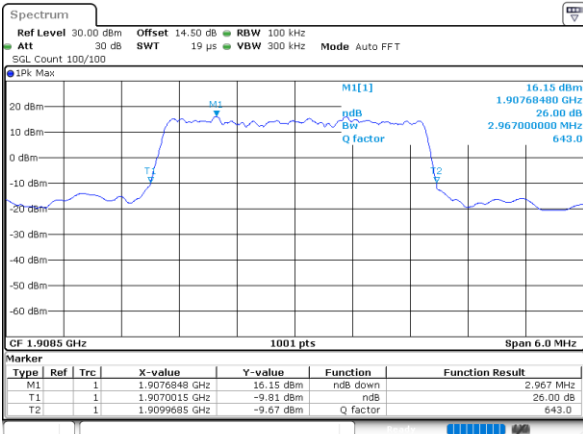
Date: 11.MAY.2023 20:21:44

Middle Channel / 3MHz / 16QAM



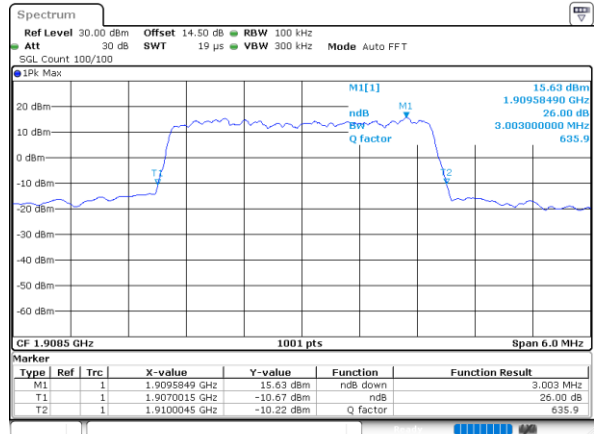
Date: 11.MAY.2023 20:22:39

Highest Channel / 3MHz / QPSK



Date: 11.MAY.2023 20:27:51

Highest Channel / 3MHz / 16QAM

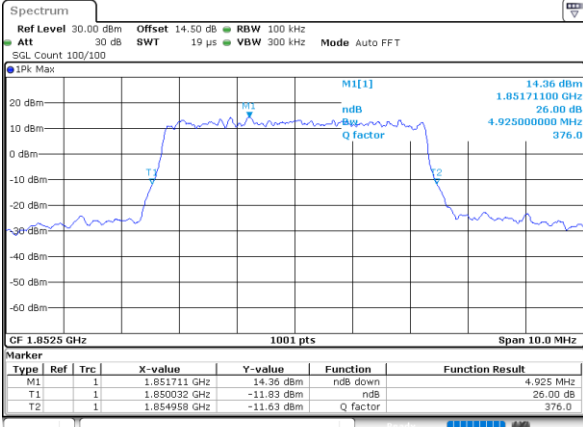


Date: 11.MAY.2023 20:28:27



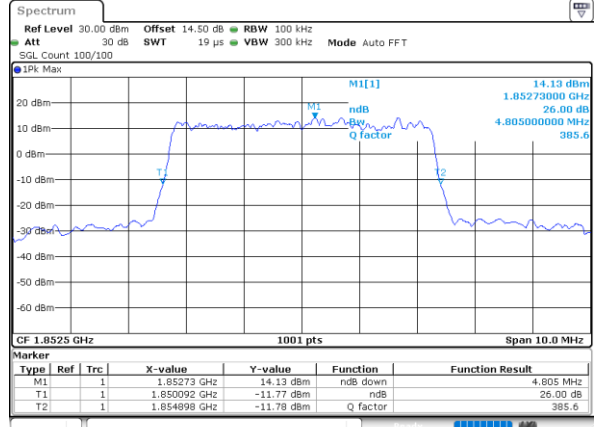
LTE Band 2

Lowest Channel / 5MHz / QPSK



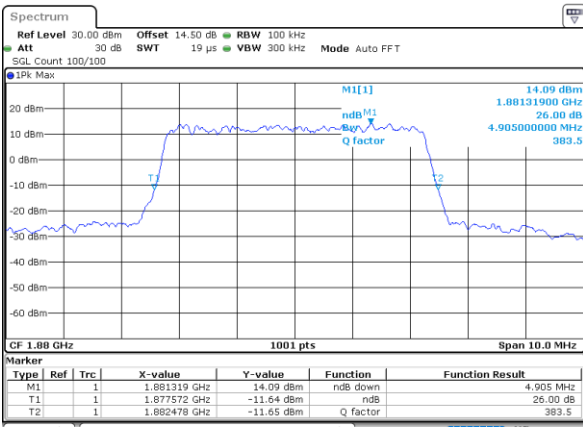
Date: 11.MAY.2023 20:40:40

Lowest Channel / 5MHz / 16QAM



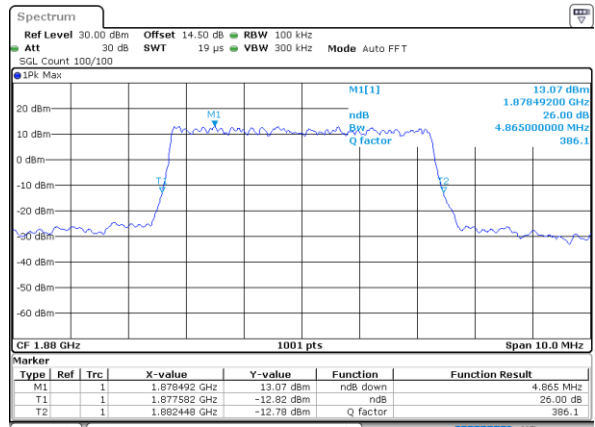
Date: 11.MAY.2023 20:41:16

Middle Channel / 5MHz / QPSK



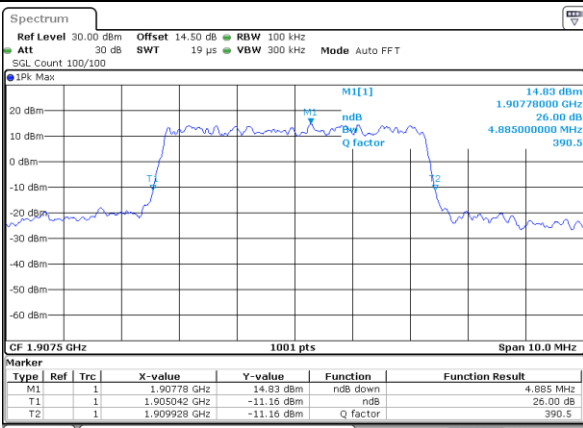
Date: 11.MAY.2023 20:53:06

Middle Channel / 5MHz / 16QAM



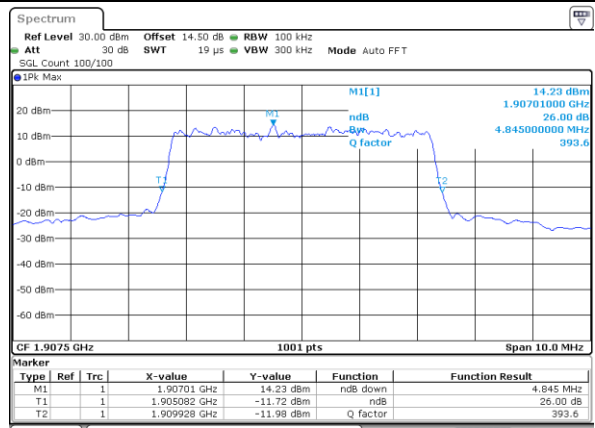
Date: 11.MAY.2023 20:54:12

Highest Channel / 5MHz / QPSK



Date: 11.MAY.2023 20:59:49

Highest Channel / 5MHz / 16QAM

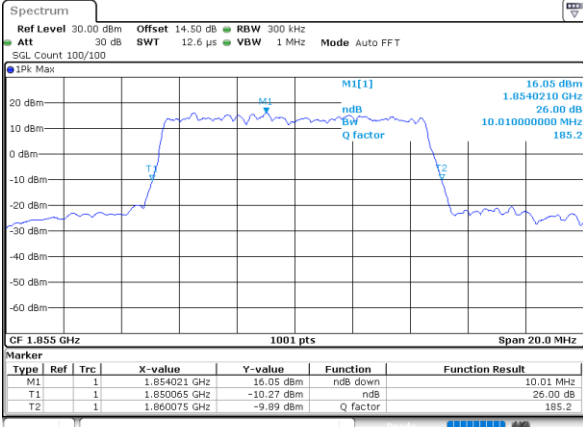


Date: 11.MAY.2023 21:00:25



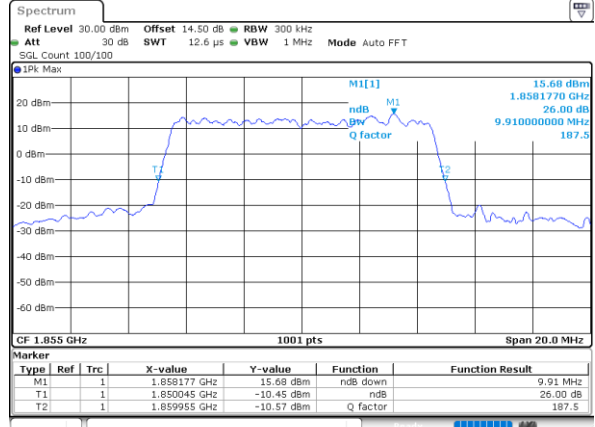
LTE Band 2

Lowest Channel / 10MHz / QPSK



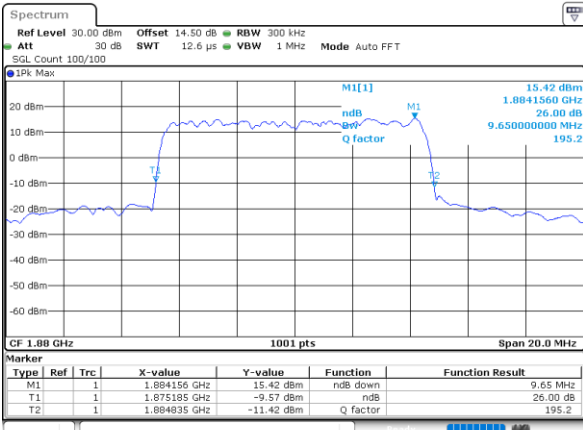
Date: 11.MAY.2023 21:12:44

Lowest Channel / 10MHz / 16QAM



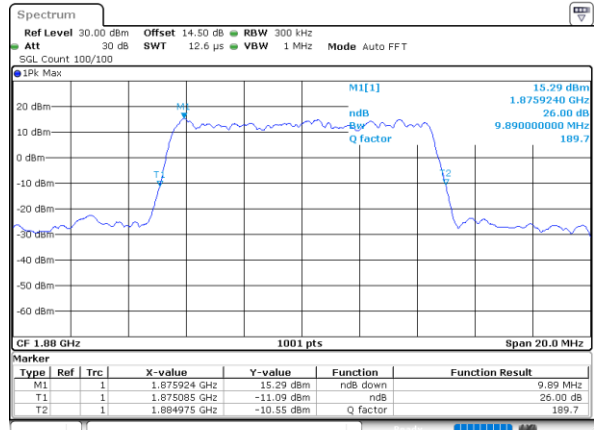
Date: 11.MAY.2023 21:13:20

Middle Channel / 10MHz / QPSK



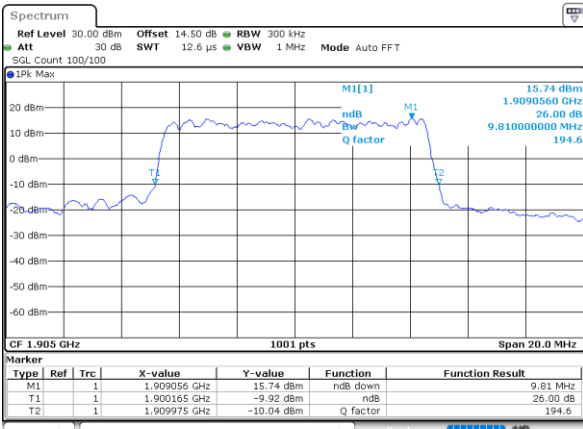
Date: 11.MAY.2023 21:25:57

Middle Channel / 10MHz / 16QAM



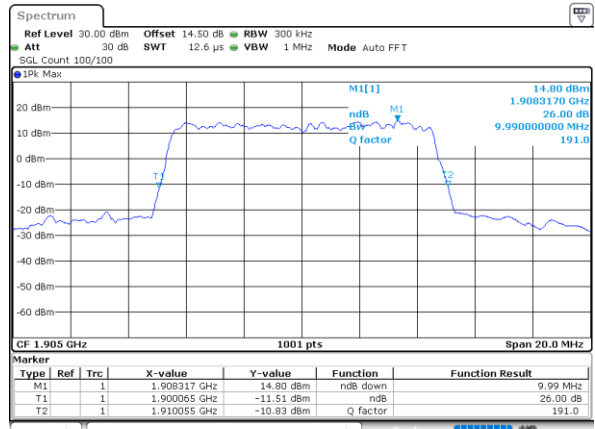
Date: 11.MAY.2023 21:26:51

Highest Channel / 10MHz / QPSK



Date: 11.MAY.2023 21:32:40

Highest Channel / 10MHz / 16QAM

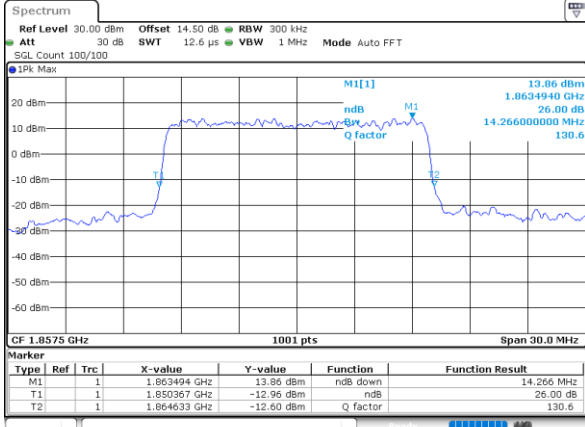


Date: 11.MAY.2023 21:33:16



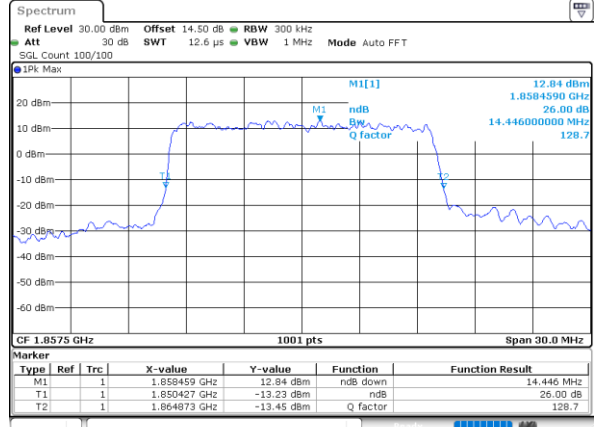
LTE Band 2

Lowest Channel / 15MHz / QPSK



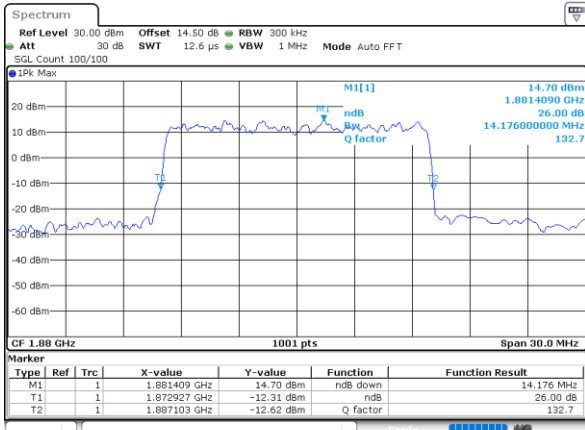
Date: 11.MAY.2023 21:45:35

Lowest Channel / 15MHz / 16QAM



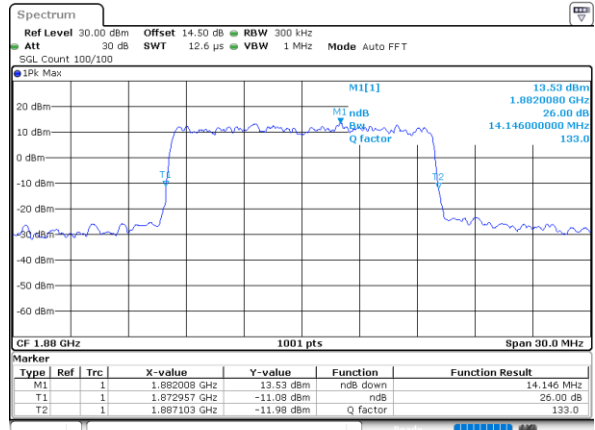
Date: 11.MAY.2023 21:46:11

Middle Channel / 15MHz / QPSK



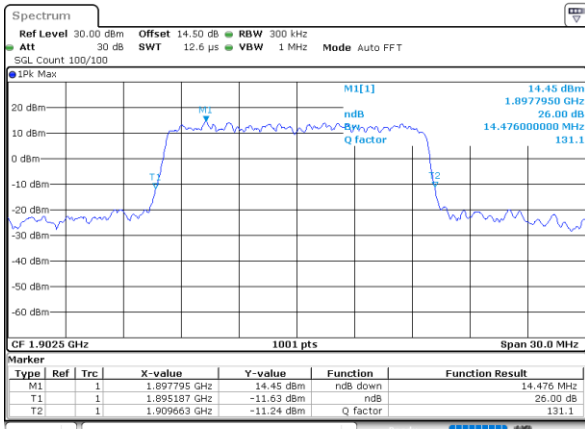
Date: 11.MAY.2023 21:59:01

Middle Channel / 15MHz / 16QAM



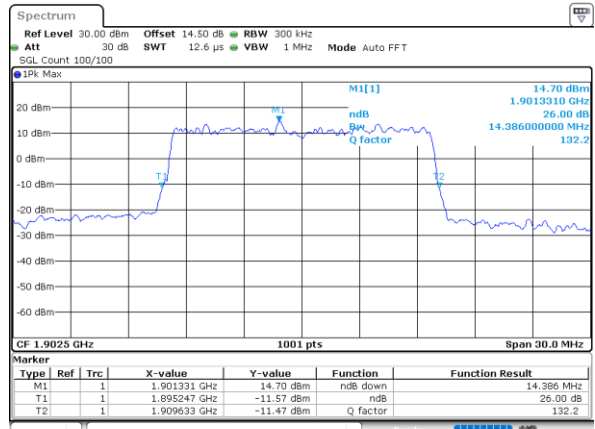
Date: 11.MAY.2023 21:59:55

Highest Channel / 15MHz / QPSK



Date: 11.MAY.2023 22:05:26

Highest Channel / 15MHz / 16QAM

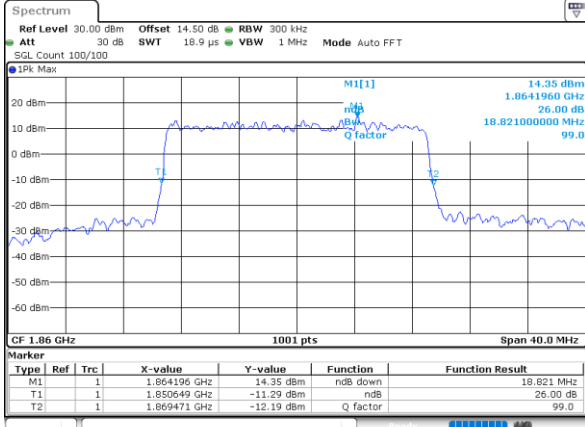


Date: 11.MAY.2023 22:06:02



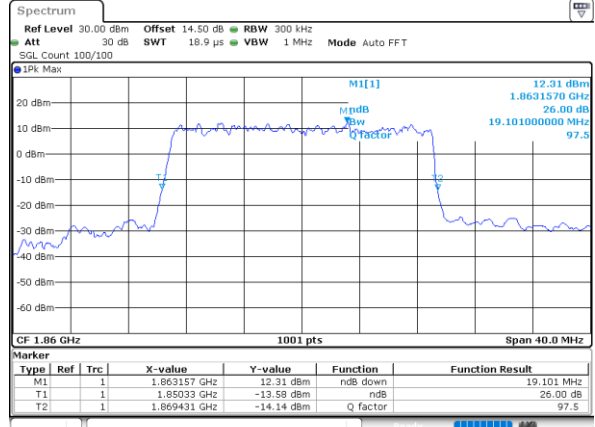
LTE Band 2

Lowest Channel / 20MHz / QPSK



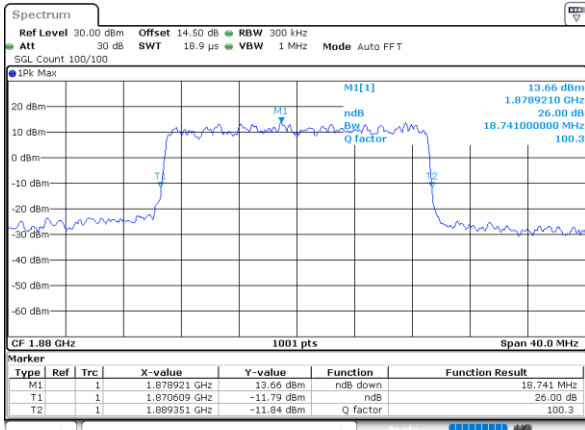
Date: 11.MAY.2023 22:18:21

Lowest Channel / 20MHz / 16QAM



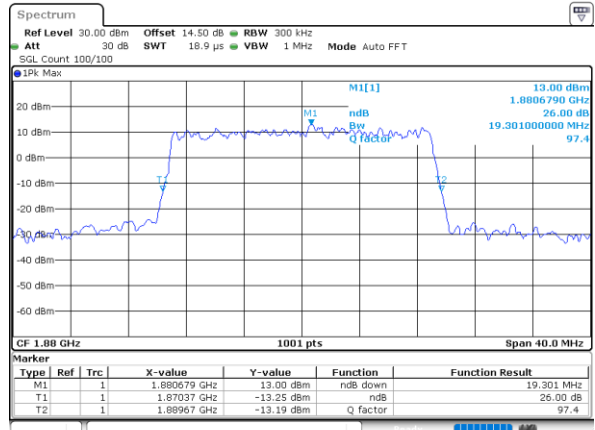
Date: 11.MAY.2023 22:18:57

Middle Channel / 20MHz / QPSK



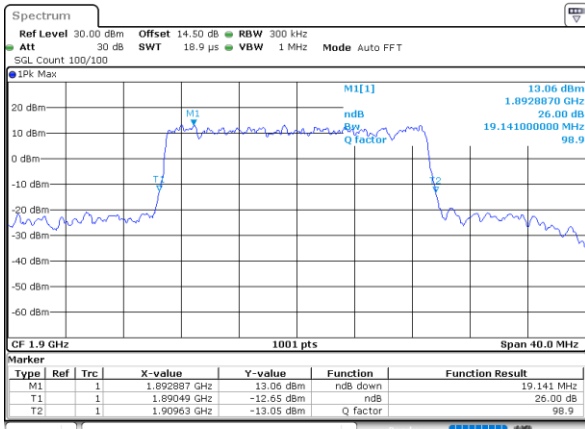
Date: 11.MAY.2023 22:31:46

Middle Channel / 20MHz / 16QAM



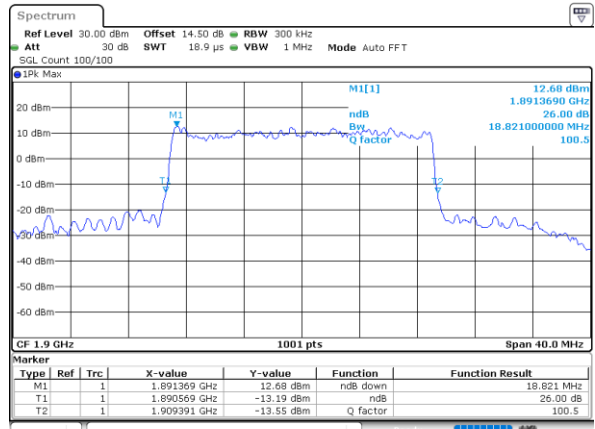
Date: 11.MAY.2023 22:32:35

Highest Channel / 20MHz / QPSK



Date: 11.MAY.2023 22:38:05

Highest Channel / 20MHz / 16QAM

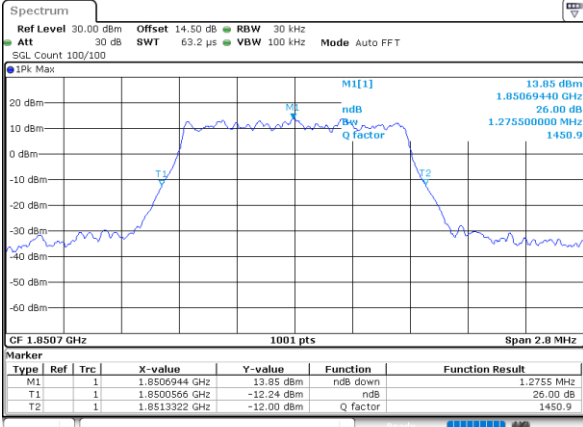


Date: 11.MAY.2023 22:38:41



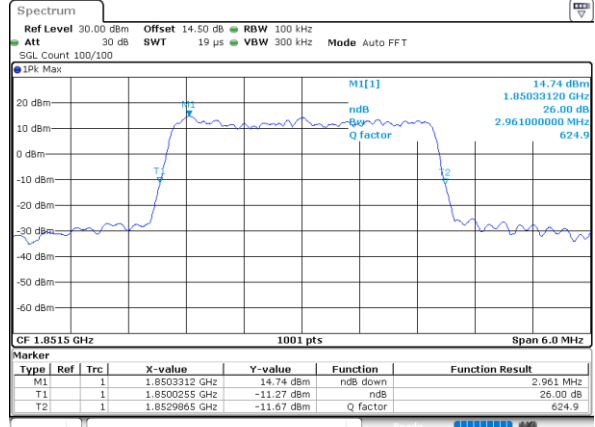
LTE Band 2

Lowest Channel / 1.4MHz / 64QAM



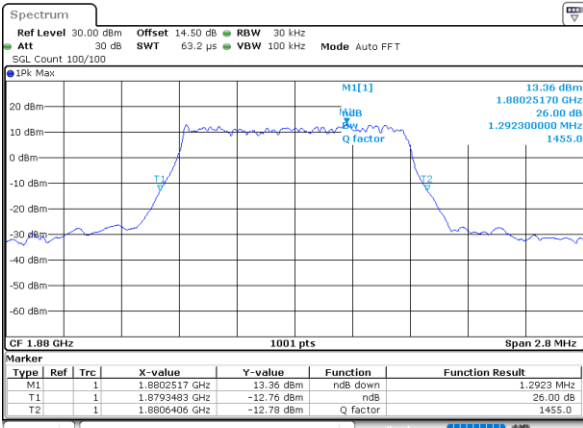
Date: 11.MAY.2023 19:19:52

Lowest Channel / 3MHz / 64QAM



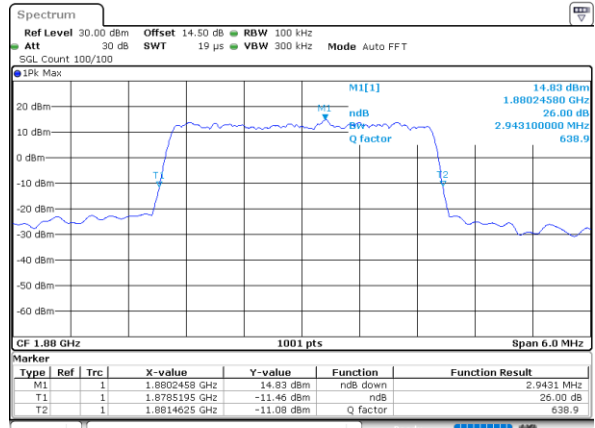
Date: 11.MAY.2023 22:50:02

Middle Channel / 1.4MHz / 64QAM



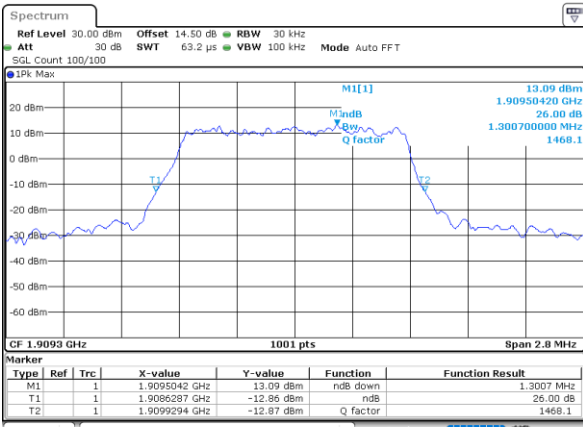
Date: 11.MAY.2023 19:25:58

Middle Channel / 3MHz / 64QAM



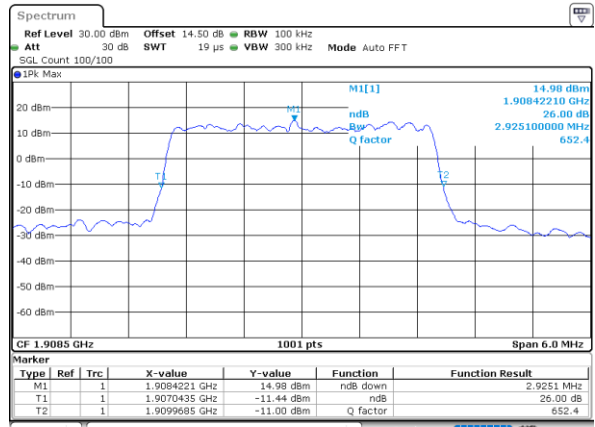
Date: 11.MAY.2023 22:56:03

Highest Channel / 1.4MHz / 64QAM



Date: 11.MAY.2023 19:28:29

Highest Channel / 3MHz / 64QAM

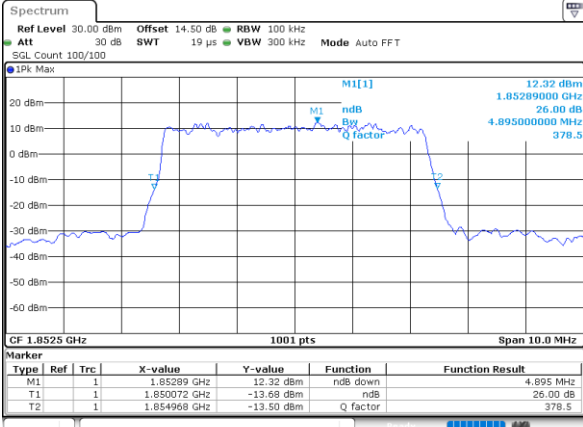


Date: 11.MAY.2023 22:58:34



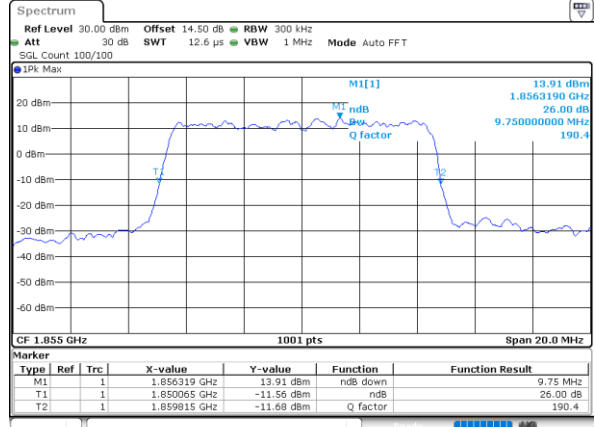
LTE Band 2

Lowest Channel / 5MHz / 64QAM



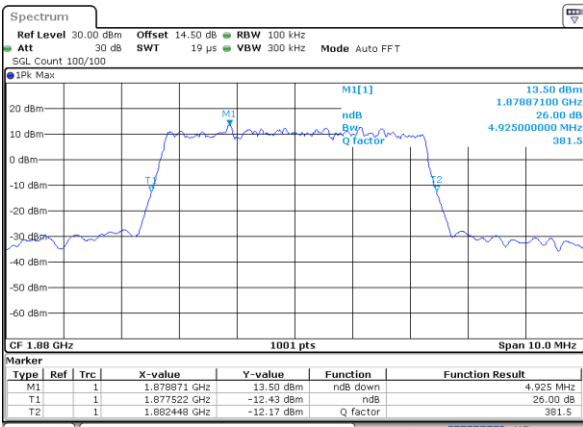
Date: 11.MAY.2023 23:04:46

Lowest Channel / 10MHz / 64QAM



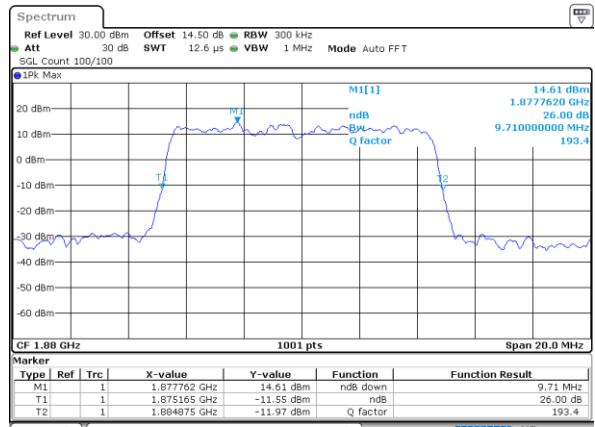
Date: 11.MAY.2023 23:19:35

Middle Channel / 5MHz / 64QAM



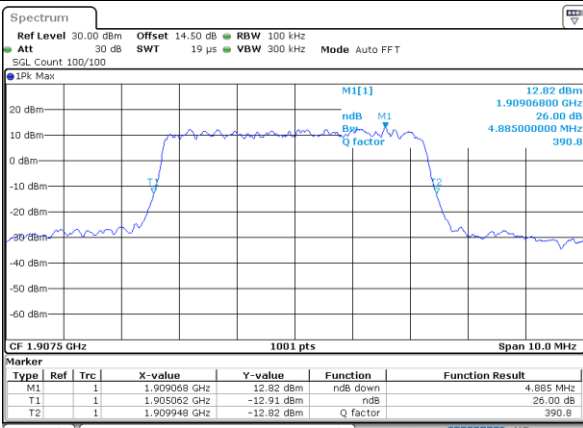
Date: 11.MAY.2023 23:10:47

Middle Channel / 10MHz / 64QAM



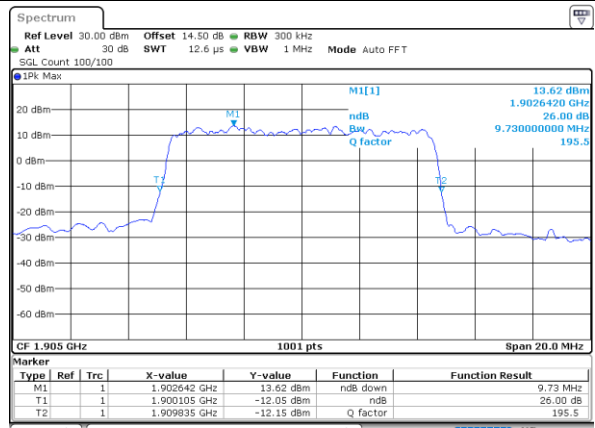
Date: 11.MAY.2023 23:25:37

Highest Channel / 5MHz / 64QAM



Date: 11.MAY.2023 23:13:23

Highest Channel / 10MHz / 64QAM

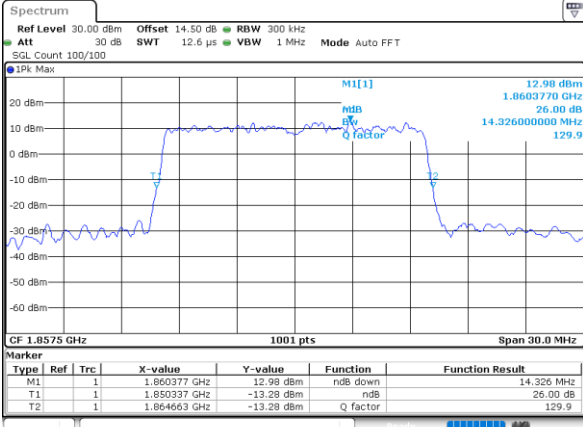


Date: 11.MAY.2023 23:28:07



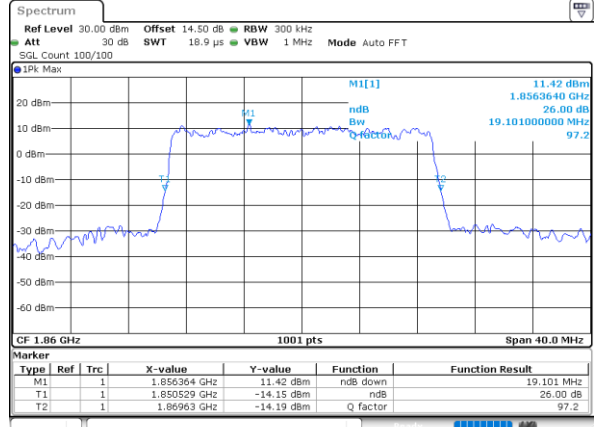
LTE Band 2

Lowest Channel / 15MHz / 64QAM



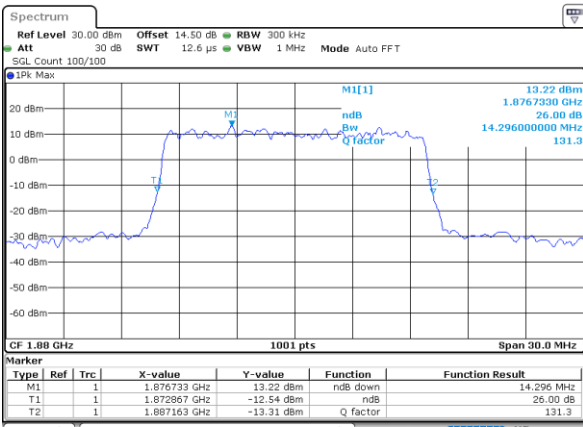
Date: 11.MAY.2023 23:34:19

Lowest Channel / 20MHz / 64QAM



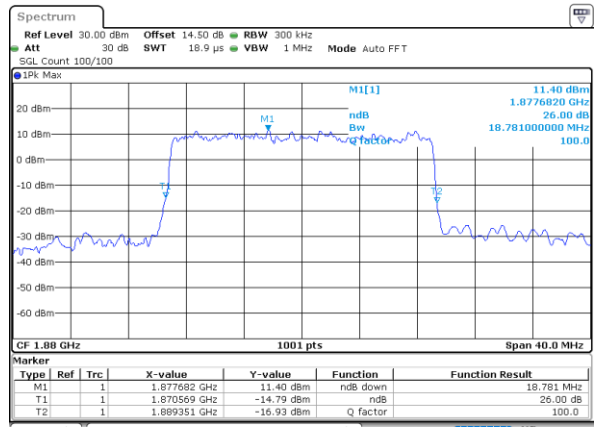
Date: 11.MAY.2023 23:49:03

Middle Channel / 15MHz / 64QAM



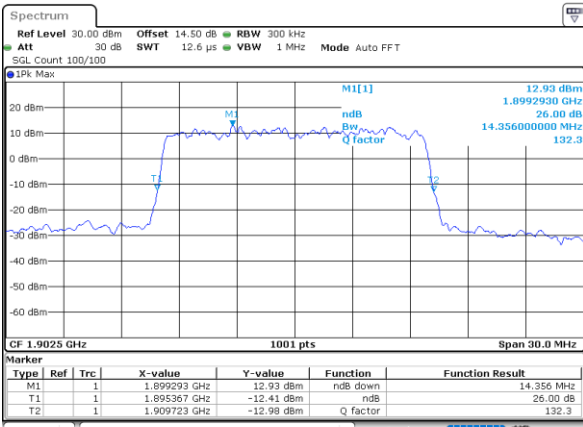
Date: 11.MAY.2023 23:40:26

Middle Channel / 20MHz / 64QAM



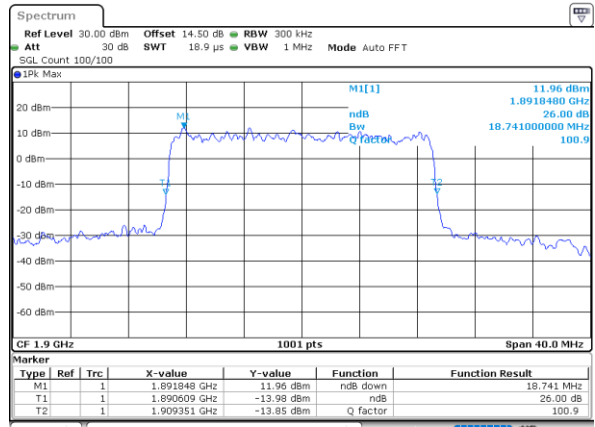
Date: 11.MAY.2023 23:55:03

Highest Channel / 15MHz / 64QAM



Date: 11.MAY.2023 23:42:56

Highest Channel / 20MHz / 64QAM



Date: 11.MAY.2023 23:57:34



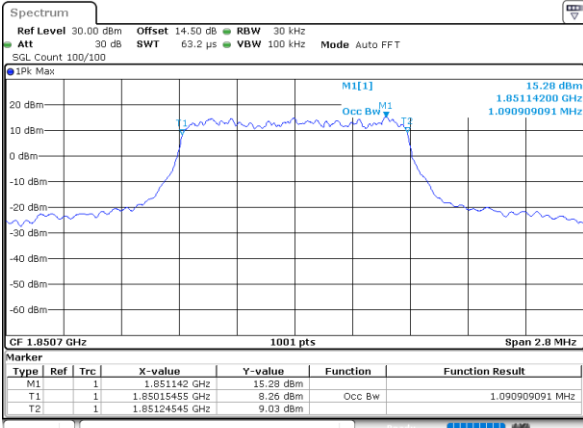
Occupied Bandwidth

Mode	LTE Band 2 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.10	2.72	2.70	4.50	4.50	8.99	9.01	13.43	13.37	17.82	17.82
Middle CH	1.09	1.09	2.72	2.72	4.49	4.50	9.05	9.07	13.46	13.43	17.86	17.82
Highest CH	1.09	1.09	2.72	2.72	4.46	4.49	9.05	9.03	13.43	13.46	17.94	17.90
Mode	LTE Band 2 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09	-	2.74	-	4.51	-	9.01	-	13.40	-	17.94	-
Middle CH	1.09	-	2.72	-	4.48	-	8.99	-	13.46	-	17.86	-
Highest CH	1.10	-	2.72	-	4.49	-	9.05	-	13.46	-	17.90	-



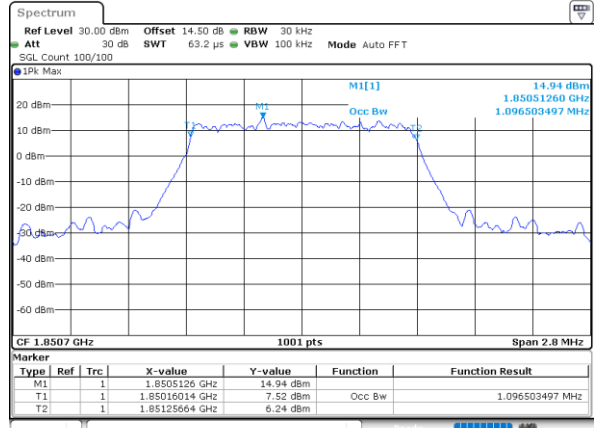
LTE Band 2

Lowest Channel / 1.4MHz / QPSK



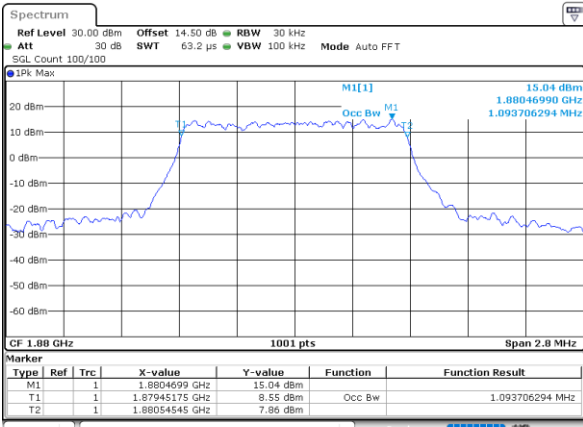
Date: 11.MAY.2023 19:34:21

Lowest Channel / 1.4MHz / 16QAM



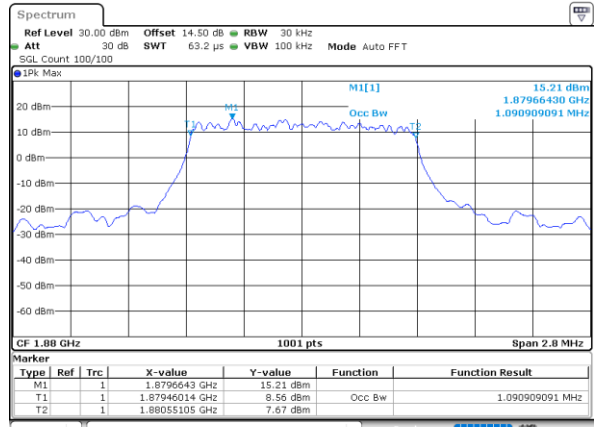
Date: 11.MAY.2023 19:34:57

Middle Channel / 1.4MHz / QPSK



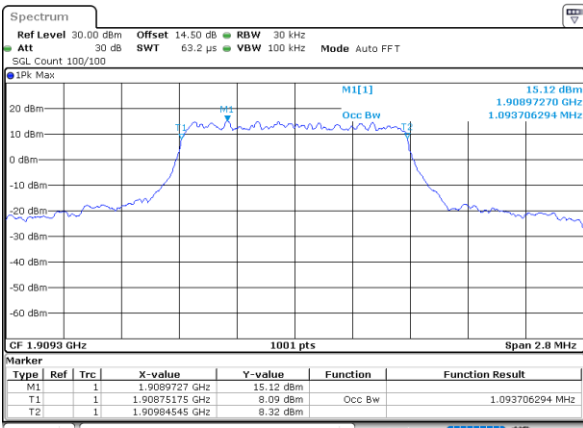
Date: 11.MAY.2023 19:47:16

Middle Channel / 1.4MHz / 16QAM



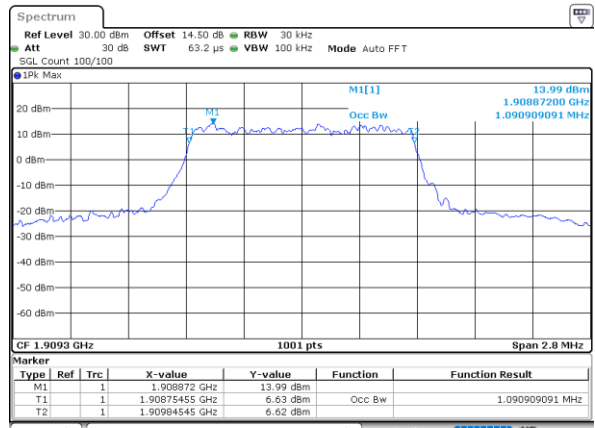
Date: 11.MAY.2023 19:48:05

Highest Channel / 1.4MHz / QPSK



Date: 11.MAY.2023 19:53:54

Highest Channel / 1.4MHz / 16QAM

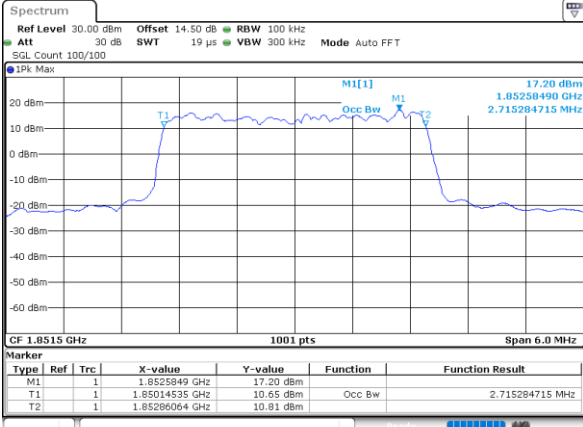


Date: 11.MAY.2023 19:54:30



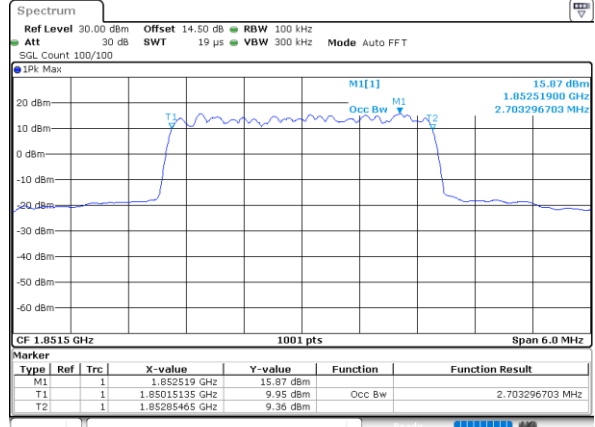
LTE Band 2

Lowest Channel / 3MHz / QPSK



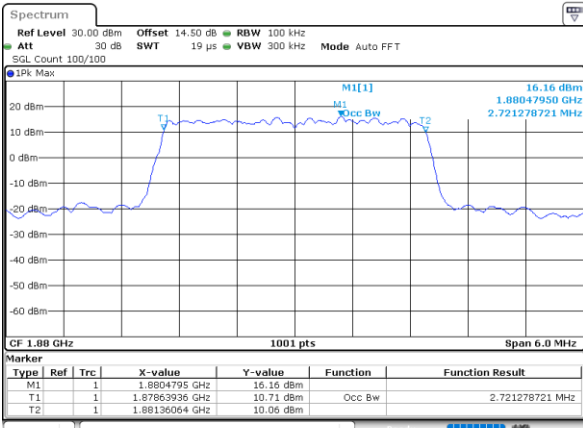
Date: 11.MAY.2023 20:06:40

Lowest Channel / 3MHz / 16QAM



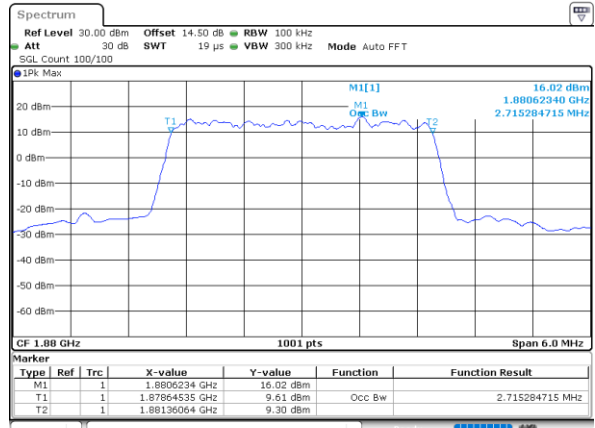
Date: 11.MAY.2023 20:07:43

Middle Channel / 3MHz / QPSK



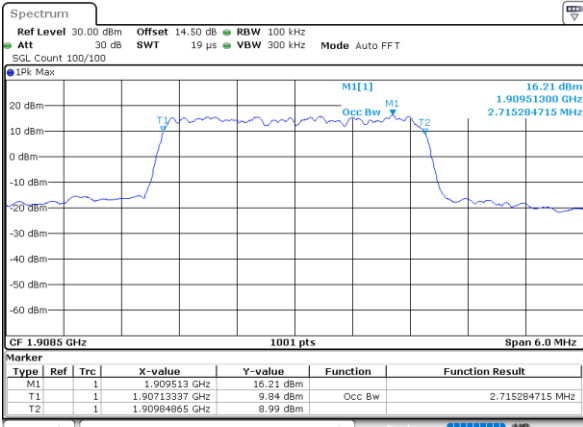
Date: 11.MAY.2023 20:19:56

Middle Channel / 3MHz / 16QAM



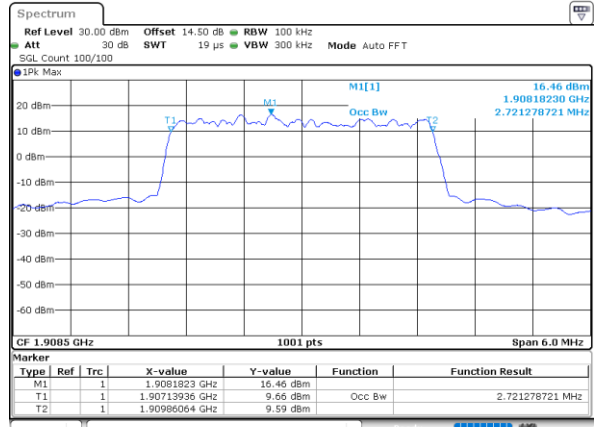
Date: 11.MAY.2023 20:20:50

Highest Channel / 3MHz / QPSK



Date: 11.MAY.2023 20:26:39

Highest Channel / 3MHz / 16QAM

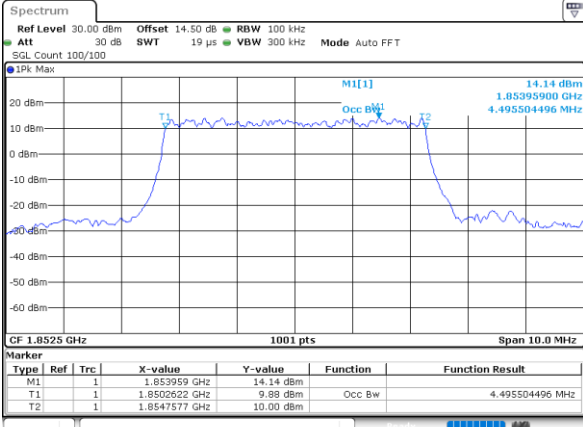


Date: 11.MAY.2023 20:27:15



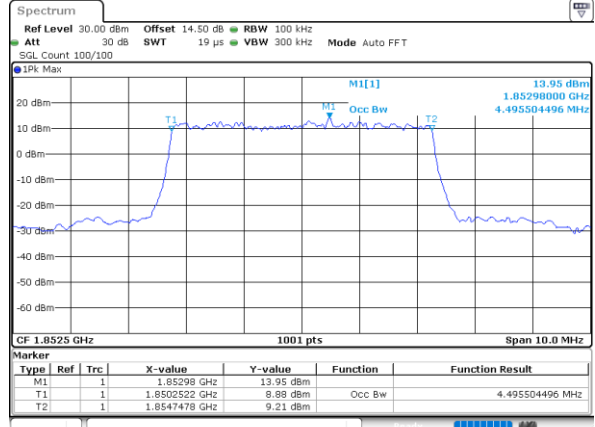
LTE Band 2

Lowest Channel / 5MHz / QPSK



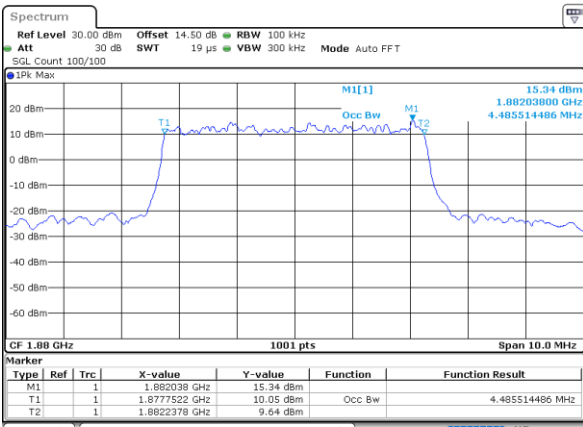
Date: 11.MAY.2023 20:39:20

Lowest Channel / 5MHz / 16QAM



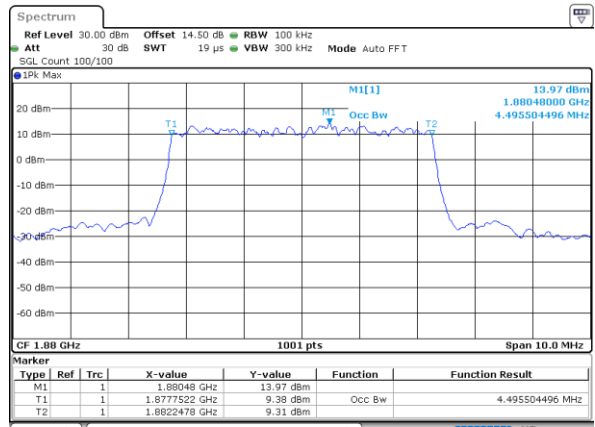
Date: 11.MAY.2023 20:40:04

Middle Channel / 5MHz / QPSK



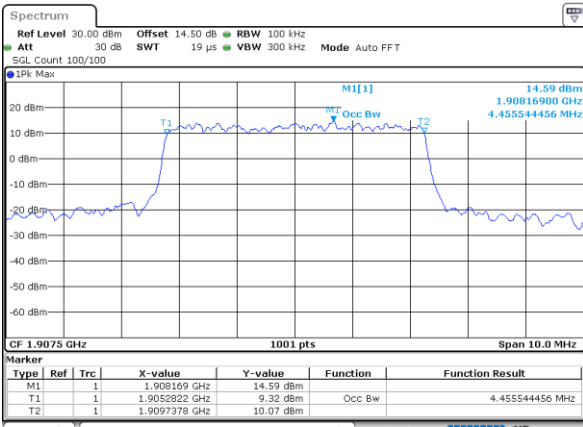
Date: 11.MAY.2023 20:52:12

Middle Channel / 5MHz / 16QAM



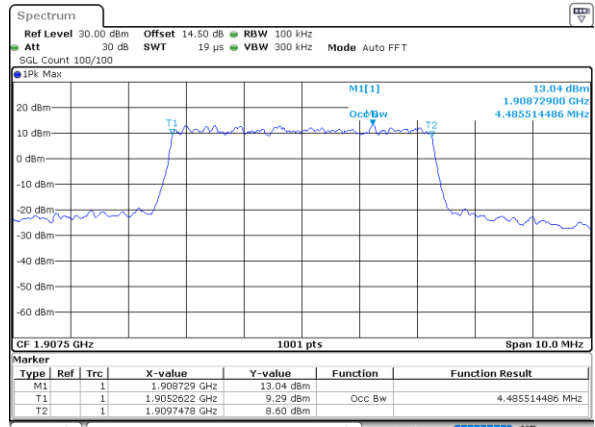
Date: 11.MAY.2023 20:52:47

Highest Channel / 5MHz / QPSK



Date: 11.MAY.2023 20:58:30

Highest Channel / 5MHz / 16QAM

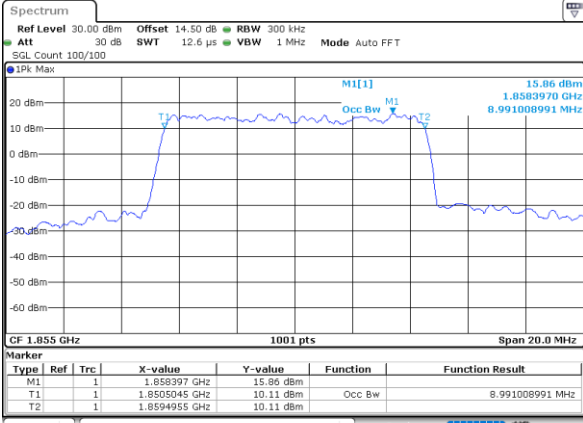


Date: 11.MAY.2023 20:58:59



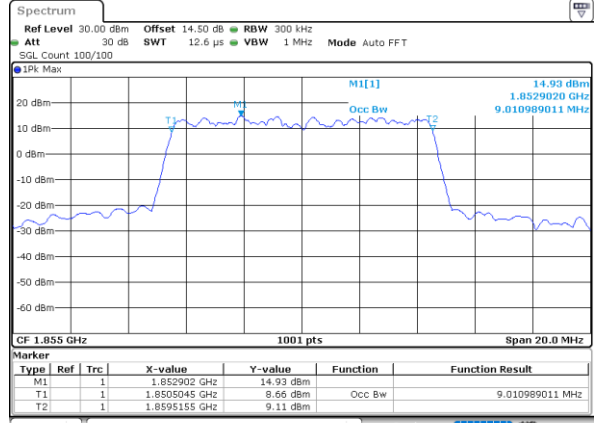
LTE Band 2

Lowest Channel / 10MHz / QPSK



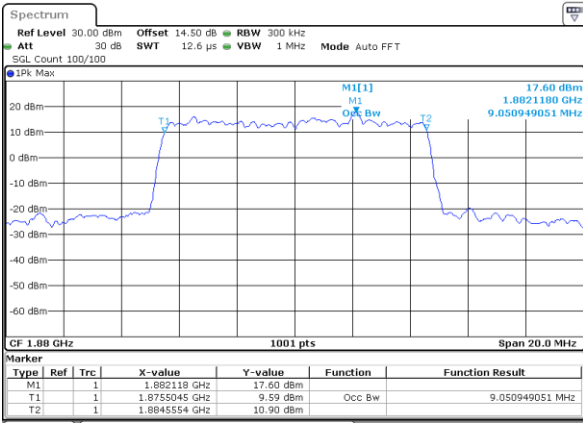
Date: 11.MAY.2023 21:11:32

Lowest Channel / 10MHz / 16QAM



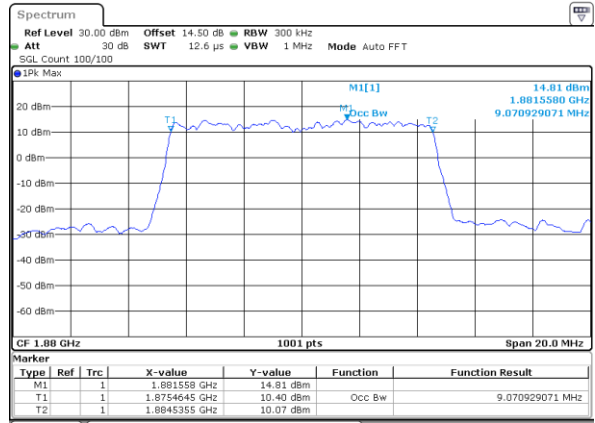
Date: 11.MAY.2023 21:12:08

Middle Channel / 10MHz / QPSK



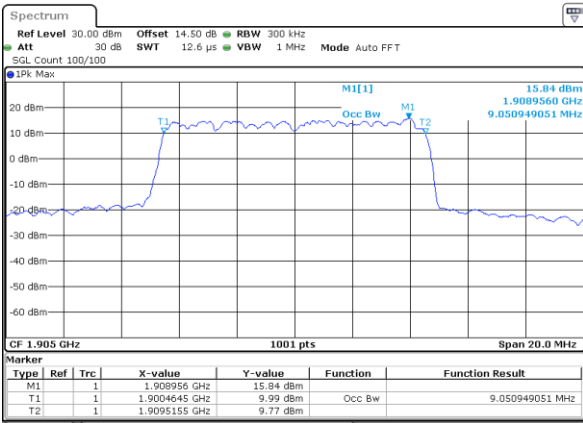
Date: 11.MAY.2023 21:24:33

Middle Channel / 10MHz / 16QAM



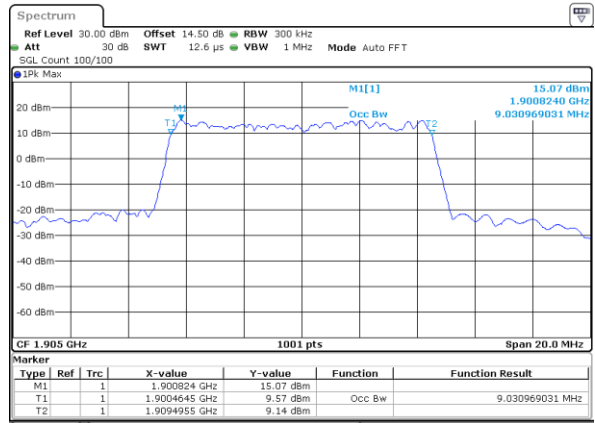
Date: 11.MAY.2023 21:25:22

Highest Channel / 10MHz / QPSK



Date: 11.MAY.2023 21:31:10

Highest Channel / 10MHz / 16QAM

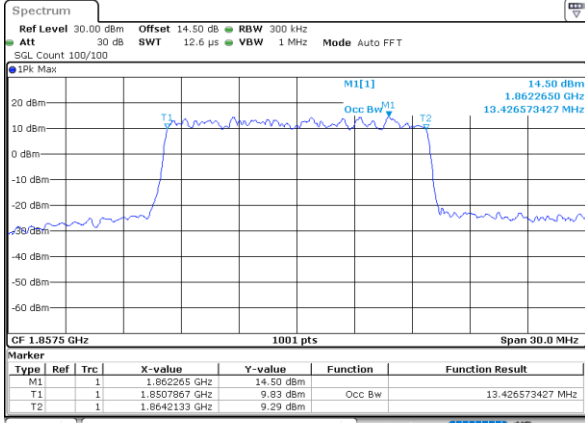


Date: 11.MAY.2023 21:32:04



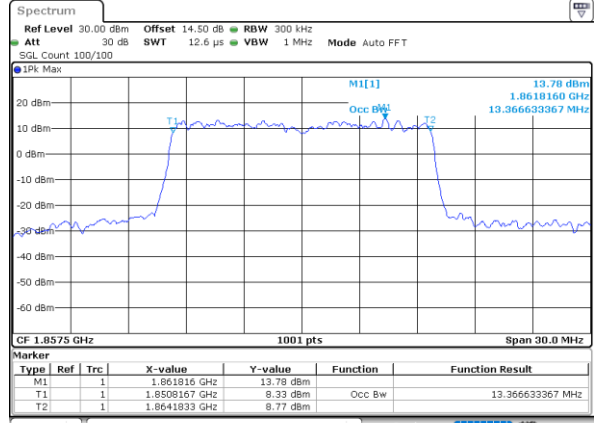
LTE Band 2

Lowest Channel / 15MHz / QPSK



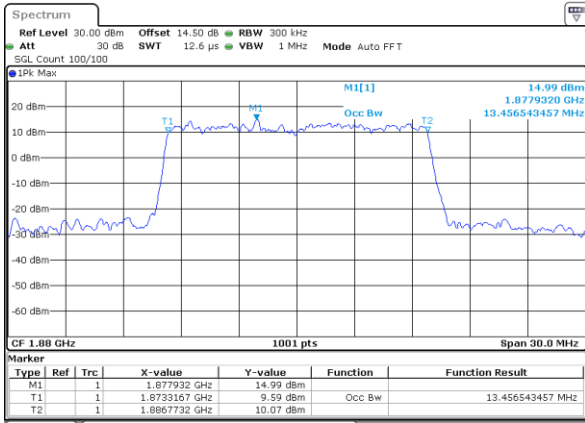
Date: 11.MAY.2023 21:44:23

Lowest Channel / 15MHz / 16QAM



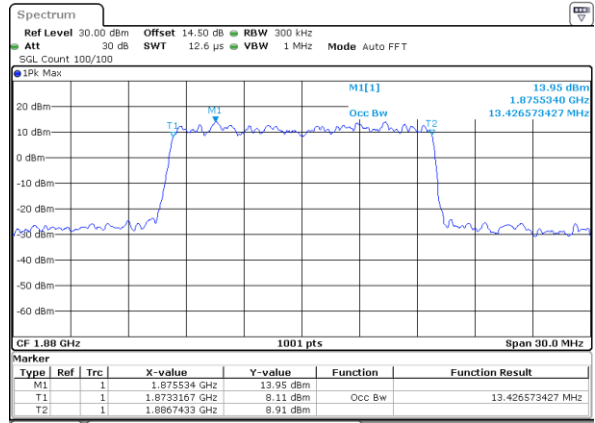
Date: 11.MAY.2023 21:44:59

Middle Channel / 15MHz / QPSK



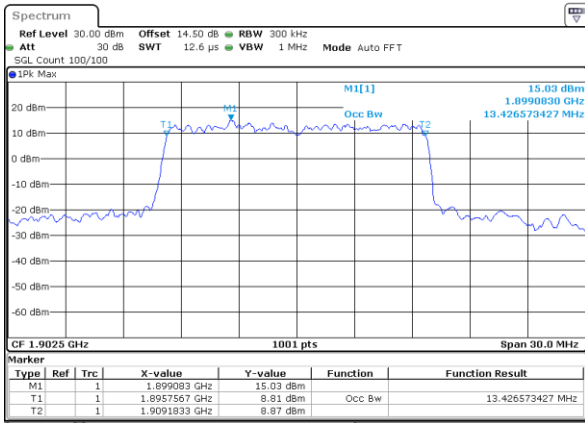
Date: 11.MAY.2023 21:57:13

Middle Channel / 15MHz / 16QAM



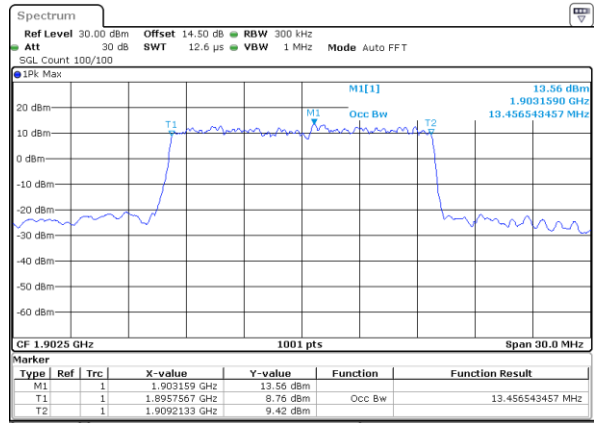
Date: 11.MAY.2023 21:58:07

Highest Channel / 15MHz / QPSK



Date: 11.MAY.2023 22:04:14

Highest Channel / 15MHz / 16QAM

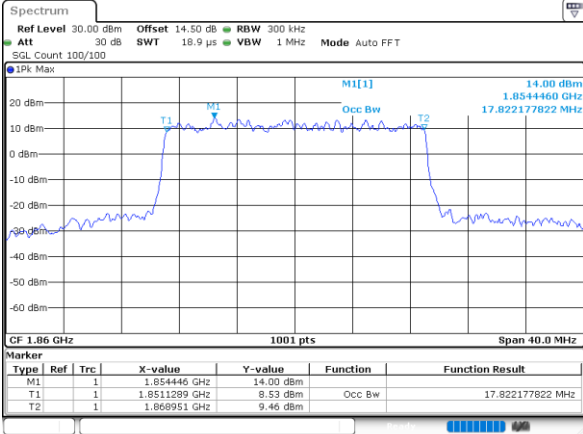


Date: 11.MAY.2023 22:04:50



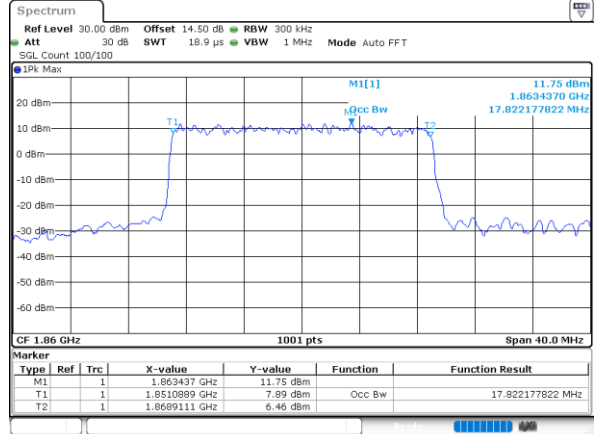
LTE Band 2

Lowest Channel / 20MHz / QPSK



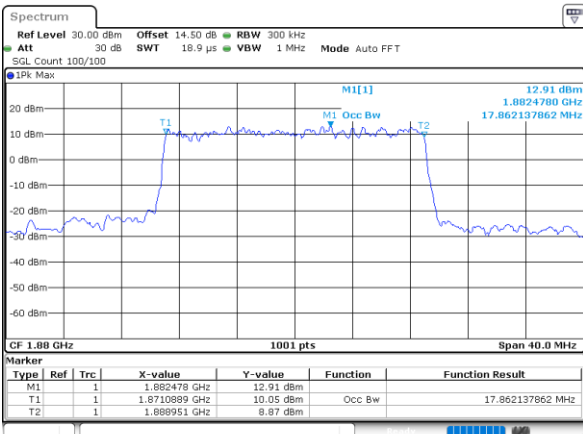
Date: 11.MAY.2023 22:17:09

Lowest Channel / 20MHz / 16QAM



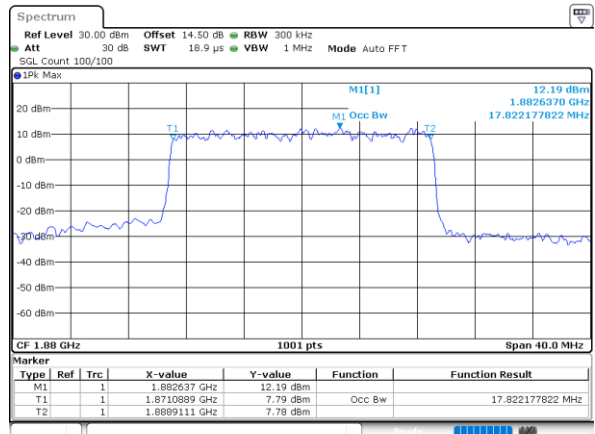
Date: 11.MAY.2023 22:17:45

Middle Channel / 20MHz / QPSK



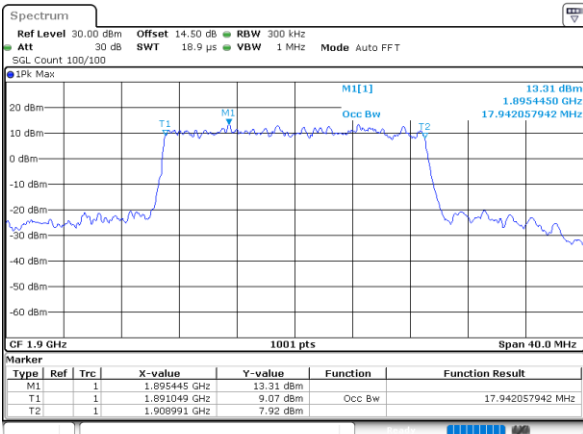
Date: 11.MAY.2023 22:29:58

Middle Channel / 20MHz / 16QAM



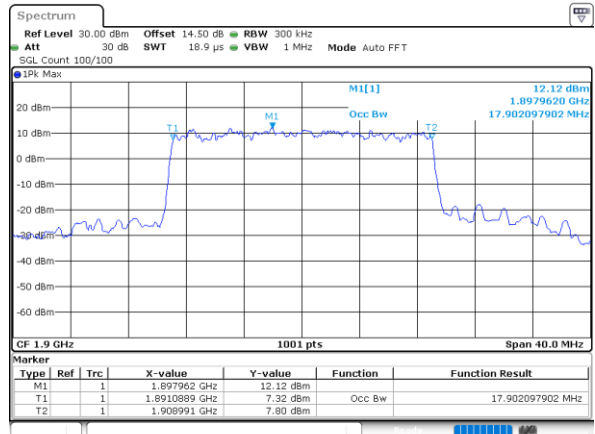
Date: 11.MAY.2023 22:30:52

Highest Channel / 20MHz / QPSK



Date: 11.MAY.2023 22:36:34

Highest Channel / 20MHz / 16QAM

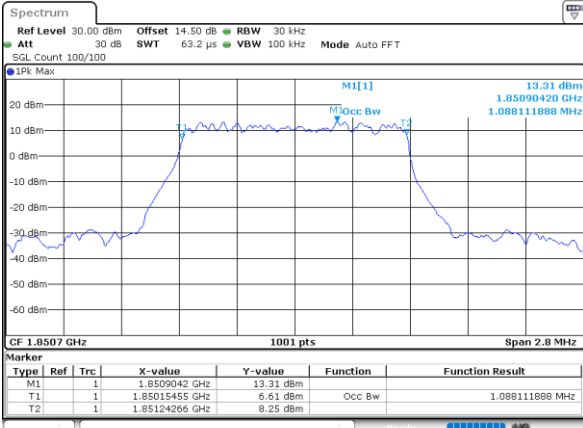


Date: 11.MAY.2023 22:37:29

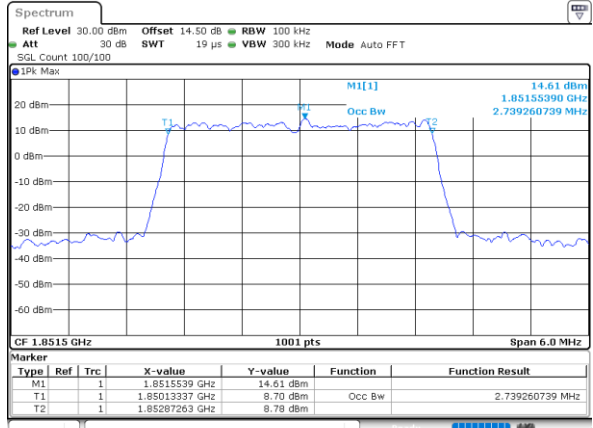


LTE Band 2

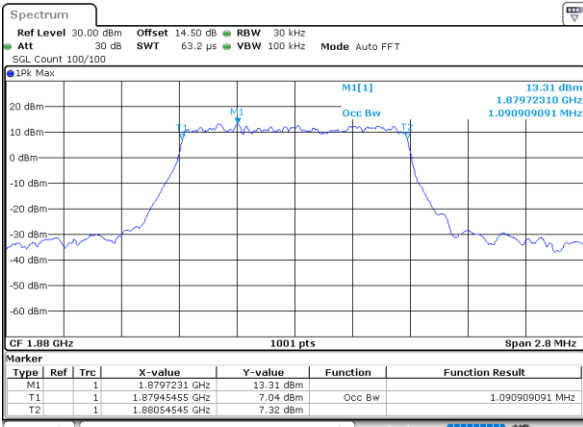
Lowest Channel / 1.4MHz / 64QAM



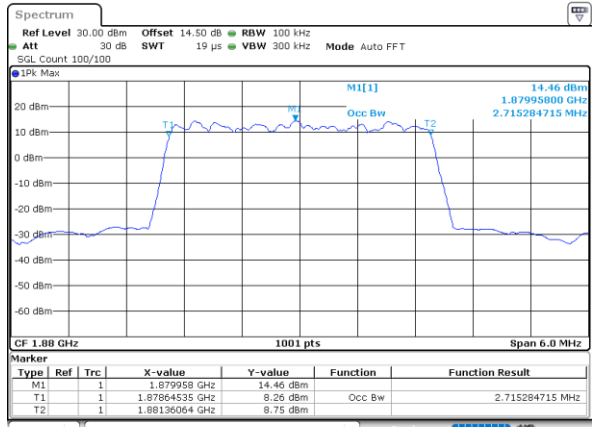
Lowest Channel / 3MHz / 64QAM



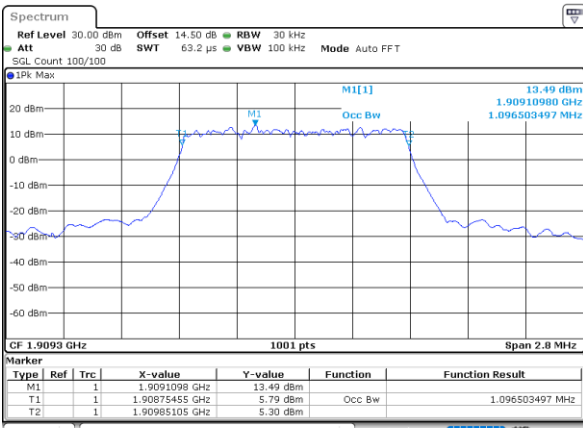
Middle Channel / 1.4MHz / 64QAM



Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM



Highest Channel / 3MHz / 64QAM

