FCC RF Test Report

APPLICANT	:	COOSEA GROUP (HK) COMPANY LIMITED
EQUIPMENT	:	Feature phone
MODEL NAME	:	SL006D
FCC ID	:	2A28USL006D
STANDARD	:	47 CFR Part 2, 22(H), 24(E), 27(L), 27(H), 27(N)
CLASSIFICATION	:	PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S)	:	May 10, 2023 ~ May 17, 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

ACCREDITED
Cert #5145.01

Sporton International Inc. (ShenZhen)

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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 6
1.6 Maximum ERP/EIRP Power and Emission Designator 7
1.7 Testing Location 9
1.8 Test Software 9
1.9 Applicable Standards 10

2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST **11**

2.1 Test Mode 11
2.2 Connection Diagram of Test System 13
2.3 Support Unit used in test configuration and system 13
2.4 Measurement Results Explanation Example 13
2.5 Frequency List of Low/Middle/High Channels 14

3 CONDUCTED TEST ITEMS **17**

3.1 Measuring Instruments 17
3.2 Test Setup 17
3.3 Test Result of Conducted Test 17
3.4 Conducted Output Power and ERP/EIRP 18
3.5 Peak-to-Average Ratio 19
3.6 Occupied Bandwidth 20
3.7 Conducted Band Edge 21
3.8 Conducted Spurious Emission 23
3.9 Frequency Stability 24

4 RADIATED TEST ITEMS **25**

4.1 Measuring Instruments 25
4.2 Test Setup 25
4.3 Test Result of Radiated Test 26
4.4 Radiated Spurious Emission 27

5 LIST OF MEASURING EQUIPMENT **28**

6 MEASUREMENT UNCERTAINTY **29**

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
FG340708B	Rev. 01	Initial issue of report	Jul. 04, 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)	ERP < 7 Watt	PASS	-
	§27.50(c)(10)	Effective Radiated Power (Band 12) (Band 71)	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(g) §27.53(h)	Conducted Band Edge Measurement (Band 2) (Band 4) (Band 5) (Band 12) (Band 66)(Band 71)	< 43+10log10(P[Watts])	PASS	-
3.8	§2.1051 §22.917(a) §24.238(a) §27.53(g) §27.53(h)	Conducted Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 66)(Band 71)	< 43+10log10(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(g) §27.53(h)	Radiated Spurious Emission (Band 2) (Band 4) (Band 5) (Band 12) (Band 66)(Band 71)	< $43+10\log_{10}$(P[Watts])	PASS	Under limit 31.2 dB at 7484.36 MHz

Conformity Assessment Condition:

1. 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.
2. 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

COOSEA GROUP (HK) COMPANY LIMITED
UNIT 5-6 16/F MULTIFIELD PLAZA 3-7A PRAT AVENUE TSIMSHATSUI KL, HONG KONG, CHINA

1.2 Manufacturer

COOSEA GROUP (HK) COMPANY LIMITED
UNIT 5-6 16/F MULTIFIELD PLAZA 3-7A PRAT AVENUE TSIMSHATSUI KL, HONG KONG, CHINA

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Feature phone
Model Name	SL006D
FCC ID	2A28USL006D
IMEI Code	Conducted: 358957940003220 Radiation: 358957940005068
HW Version	1.0
SW Version	SL006DD10008
EUT Stage	Production Unit

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 66 : 1710 MHz ~ 1780 MHz LTE Band 71: 663 MHz ~ 698 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 66 : 2110 MHz~ 2180 MHz LTE Band 71: 617 MHz ~ 652 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 66 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 71 : 5MHz / 10MHz / 15MHz / 20MHz
Maximum Output Power to Antenna	LTE Band 2 : 24.56 dBm LTE Band 4 : 24.33 dBm LTE Band 5 : 24.28 dBm LTE Band 12 : 24.53 dBm LTE Band 66 : 24.35 dBm LTE Band 71 : 24.23 dBm
Antenna Gain	LTE Band 2 : -0.69 dBi LTE Band 4 : -0.64 dBi LTE Band 5 : -2.6 dBi LTE Band 12 : -3.0 dBi LTE Band 66 : -0.64 dBi LTE Band 71 : -3.3 dBi
Type of Modulation	QPSK / 16QAM

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	
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	0.2234	1M10G7D	0.1782	1M10W7D
3	1851.5 ~ 1908.5	0.2371	2M70G7D	0.1936	2M70W7D
5	1852.5 ~ 1907.5	0.2382	4M51G7D	0.1932	4M51W7D
10	1855.0 ~ 1905.0	0.2410	9M07G7D	0.1991	9M11W7D
15	1857.5 ~ 1902.5	0.2366	13M5G7D	0.1936	13M5W7D
20	1860.0 ~ 1900.0	0.2438	17M9G7D	0.1977	17M9W7D
LTE Band 4		QPSK		16QAM	
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	0.2183	1M09G7D	0.1746	1M10W7D
3	1711.5 ~ 1753.5	0.2244	2M72G7D	0.1972	2M72W7D
5	1712.5 ~ 1752.5	0.2259	4M52G7D	0.1945	4M52W7D
10	1715.0 ~ 1750.0	0.2244	9M09G7D	0.1936	9M07W7D
15	1717.5 ~ 1747.5	0.2265	13M5G7D	0.1959	13M5W7D
20	1720.0 ~ 1745.0	0.2339	17M9G7D	0.1963	17M9W7D
LTE Band 5		QPSK		16QAM	
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	0.0865	1M09G7D	0.0697	1M09W7D
3	825.5 ~ 847.5	0.0889	2M72G7D	0.0753	2M72W7D
5	826.5 ~ 846.5	0.0895	4M51G7D	0.0760	4M51W7D
10	829.0 ~ 844.0	0.0897	9M07G7D	0.0764	9M03W7D
LTE Band 12		QPSK		16QAM	
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	0.0798	1M09G7D	0.0665	1M09W7D
3	700.5 ~ 714.5	0.0859	2M71G7D	0.0736	2M72W7D
5	701.5 ~ 713.5	0.0855	4M52G7D	0.0733	4M51W7D
10	704.0 ~ 711.0	0.0867	9M05G7D	0.0729	9M05W7D

LTE Band 66		QPSK		16QAM	
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	0.2228	1M09G7D	0.1828	1M10W7D
3	1711.5 ~ 1778.5	0.2323	2M72G7D	0.1941	2M72W7D
5	1712.5 ~ 1777.5	0.2328	4M52G7D	0.1901	4M52W7D
10	1715.0 ~ 1775.0	0.2301	9M09G7D	0.1954	9M07W7D
15	1717.5 ~ 1772.5	0.2312	13M5G7D	0.1945	13M5W7D
20	1720.0 ~ 1770.0	0.2350	17M9G7D	0.1941	17M9W7D
LTE Band 71		**QPSK**		**16QAM**	
BW (MHz)	**Frequency Range (MHz)**	**Maximum ERP(W)**	**Emission Designator (99%OBW)**	**Maximum ERP(W)**	**Emission Designator (99%OBW)**
5	665.5 ~ 695.5	0.0719	4M55G7D	0.0585	4M50W7D
10	668.0 ~ 693.0	0.0729	9M07G7D	0.0590	9M07W7D
15	670.5 ~ 690.5	0.0724	13M5G7D	0.0594	13M5W7D
20	673.0 ~ 688.0	0.0755	17M9G7D	0.0600	17M9W7D

Note:

LTE Band 66 overlaps the entire frequency range of LTE Band 4. Therefore, the test results provided in this report covers Band 66 as well as Band 4.

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.**
	03CH04-SZ	CN1256	421272

1.8 Test Software

Item	Site	Manufacture	Name	Version
1.	03CH04-SZ	AUDIX	E3	6.2009-8-24

1.9 Applicable Standards

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

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

Remark:

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

2 Test Configuration of Equipment Under Test

2.1 Test Mode

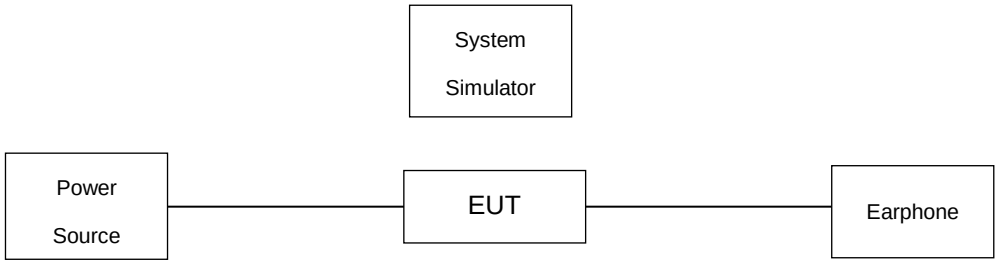
Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas License Digital Systems v03r01 with maximum output power.

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	16 QAM	64 QAM	1	Half	Full	L	M	H
Max. Output Power	2	v	v	v	v	v	v	v	v	-	v	v	v	v	v	v
	4	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
	12	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
	71	-	-	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
	5				v	-	-	v	v	-	v		v	v	v	v
	12				v	-	-	v	v	-	v		v	v	v	v
	66						v	v	v	-	v		v	v	v	v
	71	-	-				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
	5	v	v	v	v	-	-	v	v	-			v	v	v	v
	12	v	v	v	v	-	-	v	v	-			v	v	v	v
	66	v	v	v	v	v	v	v	v	-			v	v	v	v
	71	-	-	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
	5	v	v	v	v	-	-	v	v	-	v		v	v		v
	12	v	v	v	v	-	-	v	v	-	v		v	v		v
	66	v	v	v	v	v	v	v	v	-	v		v	v		v
	71	-	-	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	16 QAM	64 QAM	1	Half	Full	L	M	H
Conducted Spurious Emission	2	v	v	v	v	v	v	v	v	-	v			v	v	v
	5	v	v	v	v	-	-	v	v	-	v			v	v	v
	12	v	v	v	v	-	-	v	v	-	v			v	v	v
	66	v	v	v	v	v	v	v	v	-	v			v	v	v
	71	-	-	v	v	v	v	v	v	-	v			v	v	v
Frequency Stability	2				v			v		-			v		v	
	5				v	-	-	v		-			v		v	
	12				v	-	-	v		-			v		v	
	66				v			v		-			v		v	
	71	-	-		v			v		-			v		v	
E.R.P / E.I.R.P	2	v	v	v	v	v	v	v	v	-	v			v	v	v
	5	v	v	v	v	-	-	v	v	-	v			v	v	v
	12	v	v	v	v	-	-	v	v	-	v			v	v	v
	66	v	v	v	v	v	v	v	v	-	v			v	v	v
	71	-	-	v	v	v	v	v	v	-	v			v	v	v
Radiated Spurious Emission	2	Worst Case													v	
	5	Worst Case													v	
	12	Worst Case													v	
	66	Worst Case													v	
	71	Worst Case													v	
Note	1. The mark "**v** " means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. 4. LTE Band 66 overlaps the entire frequency range of LTE Band 4. Therefore, the test results provided in this report covers Band 66 as well as Band 4.															

2.2 Connection Diagram of Test System



This example is connection diagram of EUT test configurations.

. For detail, please refer to test mode configuration and setup photographs for each test item.

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.

Offset = RF cable loss + attenuator factor.

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

Example :

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).

= 4.5 + 10 = 14.5 (dB)

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

LTE Band 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

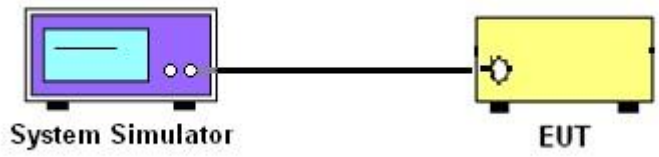
3 Conducted Test Items

3.1 Measuring Instruments

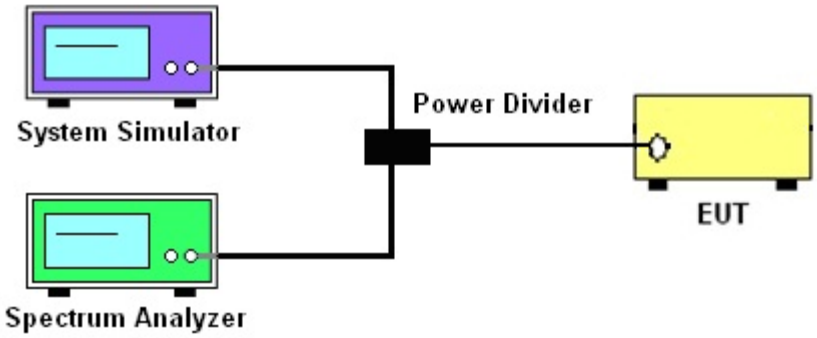
See list of measuring instruments of this test report.

3.2 Test Setup

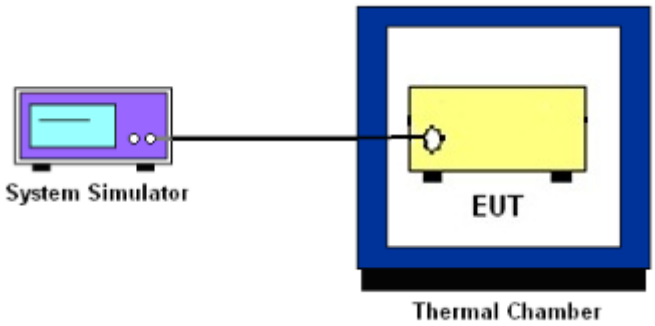
3.2.1 Conducted Output Power



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.

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

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[Watts]) dB below the transmitter power P(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[Watts]) dB below the transmitter power P(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 (g)

For operations in the 600MHz band and 698 -746 MHz band, the FCC limit is 43 + 10log10(P[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 (h)

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

   = P(W)- [43 + 10log(P)] (dB)

   = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB) = -13dBm.
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 + 10log(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 ±0.00025% (±2.5ppm) 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±5°C and connected with the system simulator.
3. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value for other than hand carried battery equipment.
4. For hand carried, battery powered equipment, reduce the primary ac or dc supply voltage to the battery operating end point, which shall be specified by the manufacturer.
5. The variation in frequency was measured for the worst case.

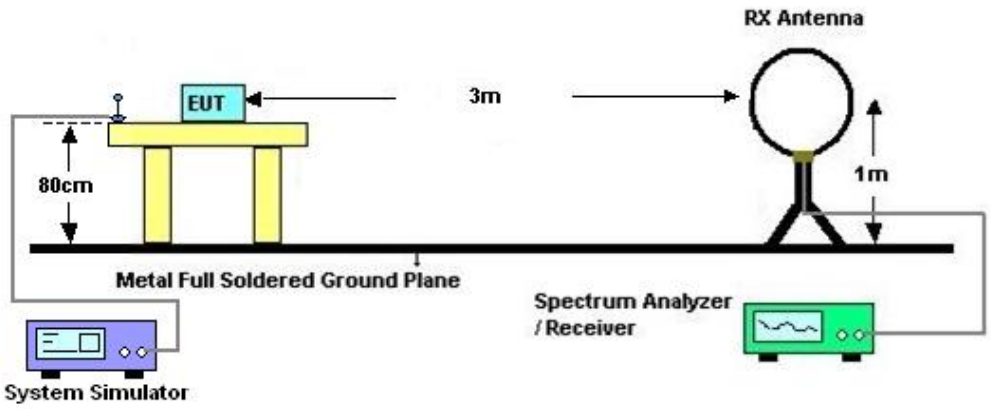
4 Radiated Test Items

4.1 Measuring Instruments

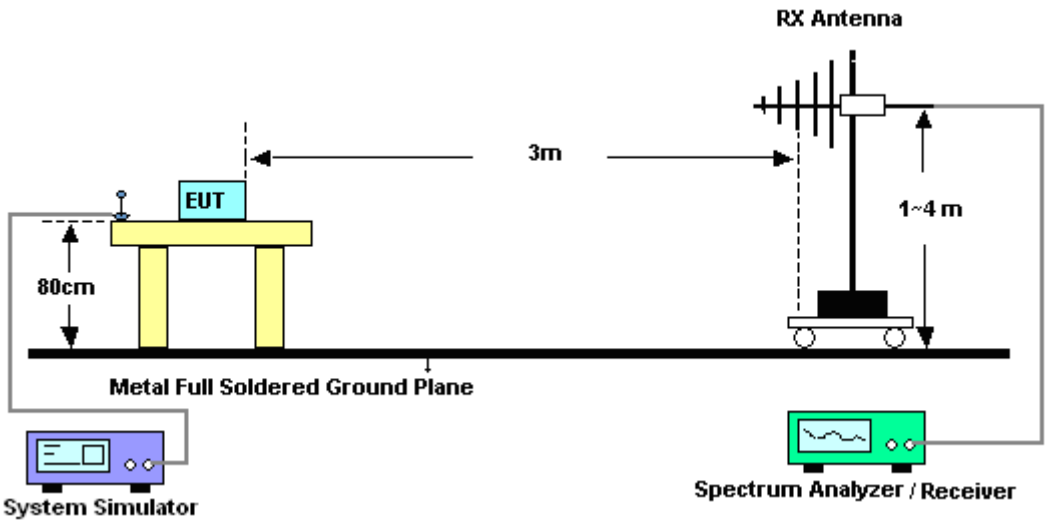
See list of measuring instruments of this test report.

4.2 Test Setup

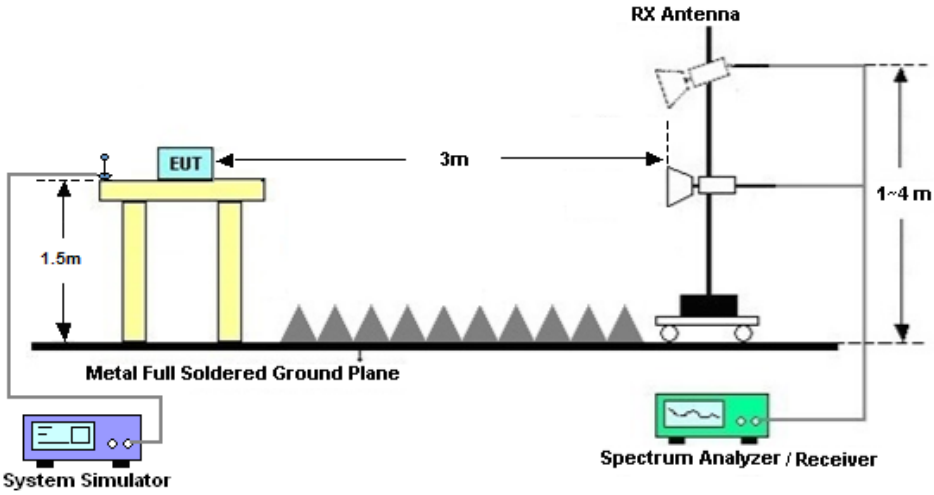
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

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

Please refer to Appendix B.

4.4 Radiated Spurious Emission

4.4.1 Description of Radiated Spurious Emission

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

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

4.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
2. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
6. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
7. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
8. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
9. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
10. EIRP (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 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [43 + 10log(P)] (dB)
    = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
    = -13dBm.

5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 06, 2023	May 10, 2023~ May 11, 2023	Apr. 05, 2024	Conducted (TH01-SZ)
DC Power Supply	TTI	PL330P	290070	Max 32V，3A	Oct. 17, 2022	May 10, 2023~ May 11, 2023	Oct. 16, 2023	Conducted (TH01-SZ)
Power Divider	TOJOIN	PS-2SM-04 265	60.06.020.007 7	0.4GHz~26.5GHz	Dec. 25, 2022	May 10, 2023~ May 11, 2023	Dec. 24, 2023	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 07, 2022	May 10, 2023~ May 11, 2023	Jul. 06, 2023	Conducted (TH01-SZ)
EMI Test Receiver	R&S	ESR7	101404	9kHz~7GHz	Oct. 19, 2022	May 17, 2023	Oct. 18, 2023	Radiation (03CH04-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 07, 2022	May 17, 2023	Jul. 06, 2023	Radiation (03CH04-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jun. 28, 2022	May 17, 2023	Jun. 27, 2024	Radiation (03CH04-SZ)
Bilog Antenna	TeseQ	CBL6111D	41909	30MHz~1GHz	Apr. 27, 2023	May 17, 2023	Apr. 26, 2024	Radiation (03CH04-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1474	1GHz~18GHz	Jul. 07, 2022	May 17, 2023	Jul. 06, 2023	Radiation (03CH04-SZ)
Horn Antenna	SCHWARZBECK	BBHA9170	9170#679	15GHz~40GHz	Jul. 07, 2022	May 17, 2023	Jul. 06, 2023	Radiation (03CH04-SZ)
Amplifier	Burgeon	BPA-530	102211	0.01Hz ~3000MHz	Oct. 19, 2022	May 17, 2023	Oct. 18, 2023	Radiation (03CH04-SZ)
HF Amplifier	MITEQ	AMF-7D-00 101800-30-1 0P-R	1943528	1GHz~18GHz	Oct. 19, 2022	May 17, 2023	Oct. 18, 2023	Radiation (03CH04-SZ)
HF Amplifier	MITEQ	TTA1840-35 -HG	1871923	18GHz~40GHz	Jul. 06, 2022	May 17, 2023	Jul. 05, 2023	Radiation (03CH04-SZ)
Amplifier	Agilent Technologies	83017A	MY57280136	500MHz~26.5GHz	Sep. 30, 2022	May 17, 2023	Sep. 29, 2023	Radiation (03CH04-SZ)
AC Power Source	APC	AFV-S-600B	F119050019	N/A	Nov. 10, 2022	May 17, 2023	Nov. 10, 2023	Radiation (03CH04-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	May 17, 2023	NCR	Radiation (03CH04-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	May 17, 2023	NCR	Radiation (03CH04-SZ)

NCR: No Calibration Required

6 Measurement Uncertainty

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

Uncertainty of Conducted Measurement

Test Item	Uncertainty
Conducted 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))	2.8dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.1dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.9dB

Appendix A. Test Results of Conducted Test

Test Engineer :	Sam Zheng	Temperature :	24~26℃
		Relative Humidity :	50~53%

Conducted Output Power(Average power)

LTE Band 2:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				18700	18900	19100
Frequency (MHz)				1860	1880	1900
20	QPSK	1	0	24.40	24.56	24.31
20	QPSK	1	49	24.35	24.21	24.29
20	QPSK	1	99	24.03	23.92	23.97
20	QPSK	50	0	23.46	23.51	23.39
20	QPSK	50	24	23.45	23.42	23.35
20	QPSK	50	50	23.44	23.26	23.20
20	QPSK	100	0	23.44	23.48	23.27
20	16QAM	1	0	23.17	23.33	23.21
20	16QAM	1	49	23.65	23.54	23.52
20	16QAM	1	99	23.19	23.15	23.23
20	16QAM	50	0	22.51	22.34	22.33
20	16QAM	50	24	22.46	22.34	22.29
20	16QAM	50	50	22.44	22.18	22.13
20	16QAM	100	0	22.47	22.26	22.21
Channel				18675	18900	19125
Frequency (MHz)				1857.5	1880	1902.5
15	QPSK	1	0	24.36	24.24	24.19
15	QPSK	1	37	24.34	24.43	24.32
15	QPSK	1	74	24.21	24.13	24.02
15	QPSK	36	0	23.51	23.42	23.29
15	QPSK	36	20	23.46	23.37	23.23
15	QPSK	36	39	23.47	23.24	23.17
15	QPSK	75	0	23.50	23.38	23.25
15	16QAM	1	0	23.56	23.44	23.35
15	16QAM	1	37	23.56	23.51	23.53
15	16QAM	1	74	23.46	23.27	23.23
15	16QAM	36	0	22.52	22.36	22.31
15	16QAM	36	20	22.46	22.34	22.24
15	16QAM	36	39	22.41	22.24	22.13
15	16QAM	75	0	22.49	22.28	22.18
Channel				18650	18900	19150
Frequency (MHz)				1855	1880	1905
10	QPSK	1	0	24.39	24.29	24.17
10	QPSK	1	25	24.51	24.37	24.24
10	QPSK	1	49	24.30	24.19	24.08

10	QPSK	25	0	23.56	23.42	23.33
10	QPSK	25	12	23.50	23.39	23.28
10	QPSK	25	25	23.45	23.31	23.22
10	QPSK	50	0	23.53	23.39	23.31
10	16QAM	1	0	23.65	23.46	23.35
10	16QAM	1	25	23.68	23.48	23.40
10	16QAM	1	49	23.60	23.39	23.25
10	16QAM	25	0	22.51	22.35	22.23
10	16QAM	25	12	22.47	22.31	22.22
10	16QAM	25	25	22.48	22.21	22.14
10	16QAM	50	0	22.49	22.30	22.23
Channel				18625	18900	19175
Frequency (MHz)				1852.5	1880	1907.5
5	QPSK	1	0	24.39	24.17	24.25
5	QPSK	1	12	24.36	24.46	24.37
5	QPSK	1	24	24.05	24.15	24.19
5	QPSK	12	0	23.28	23.45	23.37
5	QPSK	12	7	23.34	23.45	23.31
5	QPSK	12	13	23.38	23.39	23.35
5	QPSK	25	0	23.48	23.47	23.32
5	16QAM	1	0	23.38	23.50	23.55
5	16QAM	1	12	23.37	23.39	23.42
5	16QAM	1	24	23.38	23.46	23.35
5	16QAM	12	0	22.23	22.28	22.30
5	16QAM	12	7	22.28	22.32	22.21
5	16QAM	12	13	22.21	22.07	22.18
5	16QAM	25	0	22.26	22.38	22.19
Channel				18615	18900	19185
Frequency (MHz)				1851.5	1880	1908.5
3	QPSK	1	0	24.17	24.29	24.27
3	QPSK	1	8	24.44	24.28	24.40
3	QPSK	1	14	24.12	24.10	24.17
3	QPSK	8	0	23.36	23.33	23.30
3	QPSK	8	4	23.43	23.41	23.35
3	QPSK	8	7	23.39	23.41	23.19
3	QPSK	15	0	23.42	23.35	23.27
3	16QAM	1	0	23.44	23.45	23.41
3	16QAM	1	8	23.40	23.56	23.33
3	16QAM	1	14	23.32	23.29	23.29
3	16QAM	8	0	22.25	22.33	22.20
3	16QAM	8	4	22.41	22.28	22.17
3	16QAM	8	7	22.10	22.29	22.18
3	16QAM	15	0	22.40	22.38	22.34
Channel				18607	18900	19193
Frequency (MHz)				1850.7	1880	1909.3
1.4	QPSK	1	0	23.93	24.04	24.02
1.4	QPSK	1	3	24.09	24.01	24.11
1.4	QPSK	1	5	24.05	24.02	23.91
1.4	QPSK	3	0	24.18	24.11	24.16
1.4	QPSK	3	1	24.02	24.01	23.99

1.4	QPSK	3	3	24.00	23.99	24.09
1.4	QPSK	6	0	22.99	23.02	23.04
1.4	16QAM	1	0	23.07	23.11	23.14
1.4	16QAM	1	3	23.20	23.12	23.01
1.4	16QAM	1	5	22.97	23.09	22.98
1.4	16QAM	3	0	23.09	23.06	23.15
1.4	16QAM	3	1	23.11	23.05	23.00
1.4	16QAM	3	3	22.93	23.06	23.03
1.4	16QAM	6	0	21.97	22.12	22.19

LTE Band 4:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				20050	20175	20300
Frequency (MHz)				1720	1732.5	1745
20	QPSK	1	0	23.87	24.33	23.94
20	QPSK	1	49	24.22	23.89	24.20
20	QPSK	1	99	23.87	23.89	23.88
20	QPSK	50	0	23.28	23.31	23.23
20	QPSK	50	24	23.27	23.22	23.25
20	QPSK	50	50	23.18	23.24	23.22
20	QPSK	100	0	23.19	23.24	23.16
20	16QAM	1	0	23.19	23.31	23.23
20	16QAM	1	49	23.57	23.52	23.36
20	16QAM	1	99	23.13	23.08	23.11
20	16QAM	50	0	22.25	22.26	22.17
20	16QAM	50	24	22.26	22.22	22.17
20	16QAM	50	50	22.16	22.21	22.17
20	16QAM	100	0	22.17	22.23	22.14
Channel				20025	20175	20325
Frequency (MHz)				1717.5	1732.5	1747.5
15	QPSK	1	0	24.12	24.19	24.19
15	QPSK	1	37	23.81	23.96	23.82
15	QPSK	1	74	23.71	23.69	23.88
15	QPSK	36	0	23.30	23.23	23.19
15	QPSK	36	20	23.26	23.07	23.28
15	QPSK	36	39	23.26	23.31	23.24
15	QPSK	75	0	23.19	23.21	23.30
15	16QAM	1	0	23.24	23.37	23.28
15	16QAM	1	37	23.39	23.56	23.43
15	16QAM	1	74	23.17	23.12	23.18
15	16QAM	36	0	22.20	22.17	22.16
15	16QAM	36	20	22.16	22.26	22.22
15	16QAM	36	39	22.17	22.23	22.13
15	16QAM	75	0	22.24	22.08	22.31
Channel				20000	20175	20350
Frequency (MHz)				1715	1732.5	1750
10	QPSK	1	0	24.15	24.14	24.15
10	QPSK	1	25	23.85	23.77	23.96

10	QPSK	1	49	23.79	23.88	23.84
10	QPSK	25	0	23.18	23.26	23.19
10	QPSK	25	12	23.21	23.12	23.23
10	QPSK	25	25	23.15	23.31	23.27
10	QPSK	50	0	23.15	23.25	23.27
10	16QAM	1	0	23.17	23.38	23.27
10	16QAM	1	25	23.51	23.48	23.45
10	16QAM	1	49	23.09	23.11	23.12
10	16QAM	25	0	22.32	22.13	22.11
10	16QAM	25	12	22.19	22.15	22.18
10	16QAM	25	25	22.15	22.25	22.08
10	16QAM	50	0	22.13	22.31	22.25
Channel				19975	20175	20375
Frequency (MHz)				1712.5	1732.5	1752.5
5	QPSK	1	0	24.13	24.18	24.14
5	QPSK	1	12	23.74	23.91	23.77
5	QPSK	1	24	23.72	23.69	23.71
5	QPSK	12	0	23.20	23.21	23.29
5	QPSK	12	7	23.26	23.26	23.24
5	QPSK	12	13	23.31	23.22	23.13
5	QPSK	25	0	23.27	23.17	23.22
5	16QAM	1	0	23.38	23.22	23.18
5	16QAM	1	12	23.39	23.53	23.48
5	16QAM	1	24	23.17	23.08	23.05
5	16QAM	12	0	22.18	22.25	22.12
5	16QAM	12	7	22.24	22.09	22.20
5	16QAM	12	13	22.15	22.27	22.11
5	16QAM	25	0	22.11	22.24	22.14
Channel				19965	20175	20385
Frequency (MHz)				1711.5	1732.5	1753.5
3	QPSK	1	0	24.10	24.15	24.14
3	QPSK	1	8	23.77	23.87	23.77
3	QPSK	1	14	23.71	23.74	23.74
3	QPSK	8	0	23.22	23.17	23.28
3	QPSK	8	4	23.21	23.31	23.20
3	QPSK	8	7	23.31	23.14	23.24
3	QPSK	15	0	23.24	23.24	23.15
3	16QAM	1	0	23.27	23.34	23.27
3	16QAM	1	8	23.57	23.41	23.59
3	16QAM	1	14	23.13	23.14	23.14
3	16QAM	8	0	22.23	22.12	22.32
3	16QAM	8	4	22.25	22.25	22.16
3	16QAM	8	7	22.16	22.12	22.31
3	16QAM	15	0	22.19	22.08	22.33
Channel				19957	20175	20393
Frequency (MHz)				1710.7	1732.5	1754.3
1.4	QPSK	1	0	24.01	23.95	24.03
1.4	QPSK	1	3	23.85	23.88	23.91
1.4	QPSK	1	5	23.96	23.89	23.77
1.4	QPSK	3	0	23.80	23.91	23.92

1.4	QPSK	3	1	23.76	23.91	23.97
1.4	QPSK	3	3	23.94	23.91	23.77
1.4	QPSK	6	0	22.97	23.06	23.15
1.4	16QAM	1	0	23.04	23.04	22.93
1.4	16QAM	1	3	23.00	23.01	22.93
1.4	16QAM	1	5	22.91	22.98	23.03
1.4	16QAM	3	0	22.82	22.96	22.92
1.4	16QAM	3	1	23.06	23.05	23.06
1.4	16QAM	3	3	22.88	22.97	22.96
1.4	16QAM	6	0	22.13	22.05	22.08

LTE Band 5:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				20450	20525	20600
Frequency (MHz)				829	836.5	844
10	QPSK	1	0	24.19	24.28	24.05
10	QPSK	1	25	24.11	24.24	24.02
10	QPSK	1	49	24.06	24.15	24.00
10	QPSK	25	0	23.30	23.32	23.26
10	QPSK	25	12	23.25	23.30	23.21
10	QPSK	25	25	23.17	23.20	23.16
10	QPSK	50	0	23.33	23.35	23.28
10	16QAM	1	0	23.42	23.37	23.31
10	16QAM	1	25	23.58	23.46	23.44
10	16QAM	1	49	23.33	23.29	23.34
10	16QAM	25	0	22.27	22.21	22.25
10	16QAM	25	12	22.26	22.24	22.28
10	16QAM	25	25	22.28	22.18	22.19
10	16QAM	50	0	22.27	22.19	22.26
Channel				20425	20525	20625
Frequency (MHz)				826.5	836.5	846.5
5	QPSK	1	0	24.22	24.27	24.21
5	QPSK	1	12	24.23	24.22	24.11
5	QPSK	1	24	23.95	23.98	23.96
5	QPSK	12	0	23.38	23.42	23.31
5	QPSK	12	7	23.21	23.19	23.11
5	QPSK	12	13	23.27	23.07	23.08
5	QPSK	25	0	23.44	23.25	23.30
5	16QAM	1	0	23.30	23.47	23.22
5	16QAM	1	12	23.56	23.40	23.40
5	16QAM	1	24	23.30	23.28	23.38
5	16QAM	12	0	22.29	22.15	22.21
5	16QAM	12	7	22.20	22.27	22.29
5	16QAM	12	13	22.03	22.15	22.21
5	16QAM	25	0	22.24	22.05	22.28
Channel				20415	20525	20635
Frequency (MHz)				825.5	836.5	847.5
3	QPSK	1	0	24.22	24.13	24.15

3	QPSK	1	8	24.21	24.24	24.18
3	QPSK	1	14	24.08	24.05	24.06
3	QPSK	8	0	23.42	23.32	23.22
3	QPSK	8	4	23.22	23.26	23.22
3	QPSK	8	7	23.19	23.27	23.07
3	QPSK	15	0	23.30	23.28	23.24
3	16QAM	1	0	23.45	23.28	23.46
3	16QAM	1	8	23.50	23.52	23.48
3	16QAM	1	14	23.36	23.22	23.18
3	16QAM	8	0	22.28	22.18	22.17
3	16QAM	8	4	22.14	22.23	22.11
3	16QAM	8	7	22.18	22.04	22.03
3	16QAM	15	0	22.06	22.25	22.05
Channel				20407	20525	20643
Frequency (MHz)				824.7	836.5	848.3
1.4	QPSK	1	0	23.80	23.94	23.98
1.4	QPSK	1	3	23.89	24.02	24.12
1.4	QPSK	1	5	23.90	23.98	23.88
1.4	QPSK	3	0	23.89	23.90	23.85
1.4	QPSK	3	1	24.08	24.01	24.00
1.4	QPSK	3	3	24.01	23.97	23.83
1.4	QPSK	6	0	23.05	23.07	23.15
1.4	16QAM	1	0	23.18	23.11	23.07
1.4	16QAM	1	3	23.05	23.17	23.08
1.4	16QAM	1	5	23.09	23.11	23.01
1.4	16QAM	3	0	23.01	23.09	23.07
1.4	16QAM	3	1	23.05	23.04	23.00
1.4	16QAM	3	3	23.08	23.02	22.94
1.4	16QAM	6	0	22.09	22.12	22.15

LTE Band 12:

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	24.25	24.53	24.36
10	QPSK	1	25	24.51	24.35	24.34
10	QPSK	1	49	24.44	24.44	24.51
10	QPSK	25	0	23.53	23.63	23.61
10	QPSK	25	12	23.54	23.56	23.55
10	QPSK	25	25	23.58	23.60	23.59
10	QPSK	50	0	23.57	23.68	23.65
10	16QAM	1	0	23.40	23.59	23.57
10	16QAM	1	25	23.78	23.72	23.76
10	16QAM	1	49	23.63	23.73	23.60
10	16QAM	25	0	22.49	22.51	22.55
10	16QAM	25	12	22.50	22.49	22.49
10	16QAM	25	25	22.53	22.53	22.55
10	16QAM	50	0	22.52	22.53	22.61

Channel				23035	23095	23155
Frequency (MHz)				701.5	707.5	713.5
5	QPSK	1	0	24.45	24.44	24.42
5	QPSK	1	12	24.43	24.29	24.45
5	QPSK	1	24	24.47	24.30	24.35
5	QPSK	12	0	23.56	23.59	23.60
5	QPSK	12	7	23.59	23.46	23.62
5	QPSK	12	13	23.63	23.60	23.69
5	QPSK	25	0	23.65	23.51	23.52
5	16QAM	1	0	23.59	23.52	23.47
5	16QAM	1	12	23.80	23.73	23.58
5	16QAM	1	24	23.69	23.62	23.75
5	16QAM	12	0	22.50	22.55	22.52
5	16QAM	12	7	22.47	22.44	22.56
5	16QAM	12	13	22.42	22.49	22.45
5	16QAM	25	0	22.62	22.41	22.54
Channel				23025	23095	23165
Frequency (MHz)				700.5	707.5	714.5
3	QPSK	1	0	24.49	24.39	24.47
3	QPSK	1	8	24.25	24.28	24.27
3	QPSK	1	14	24.35	24.38	24.48
3	QPSK	8	0	23.69	23.55	23.68
3	QPSK	8	4	23.63	23.51	23.59
3	QPSK	8	7	23.59	23.70	23.59
3	QPSK	15	0	23.52	23.52	23.54
3	16QAM	1	0	23.51	23.49	23.45
3	16QAM	1	8	23.76	23.81	23.82
3	16QAM	1	14	23.60	23.63	23.70
3	16QAM	8	0	22.52	22.58	22.36
3	16QAM	8	4	22.52	22.38	22.50
3	16QAM	8	7	22.50	22.51	22.46
3	16QAM	15	0	22.56	22.43	22.49
Channel				23017	23095	23173
Frequency (MHz)				699.7	707.5	715.3
1.4	QPSK	1	0	24.13	24.17	24.07
1.4	QPSK	1	3	24.06	24.01	24.00
1.4	QPSK	1	5	23.95	24.03	24.05
1.4	QPSK	3	0	24.10	24.02	24.10
1.4	QPSK	3	1	23.88	24.02	23.87
1.4	QPSK	3	3	24.06	24.05	23.98
1.4	QPSK	6	0	23.34	23.28	23.14
1.4	16QAM	1	0	23.16	23.27	23.23
1.4	16QAM	1	3	23.27	23.26	23.34
1.4	16QAM	1	5	23.29	23.31	23.36
1.4	16QAM	3	0	23.08	23.19	23.27
1.4	16QAM	3	1	23.30	23.23	23.10
1.4	16QAM	3	3	23.21	23.28	23.38
1.4	16QAM	6	0	22.08	22.23	22.13

LTE Band 66:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				132072	132322	132572
Frequency (MHz)				1720	1745	1770
20	QPSK	1	0	24.32	24.35	24.28
20	QPSK	1	49	24.30	24.31	24.23
20	QPSK	1	99	23.84	24.02	23.82
20	QPSK	50	0	23.32	23.35	23.30
20	QPSK	50	24	23.28	23.30	23.28
20	QPSK	50	50	23.17	23.28	23.11
20	QPSK	100	0	23.23	23.25	23.24
20	16QAM	1	0	23.21	23.29	23.11
20	16QAM	1	49	23.52	23.52	23.46
20	16QAM	1	99	23.13	23.05	23.08
20	16QAM	50	0	22.29	22.22	22.33
20	16QAM	50	24	22.26	22.29	22.28
20	16QAM	50	50	22.18	22.21	22.05
20	16QAM	100	0	22.19	22.23	22.20
Channel				132047	132322	132597
Frequency (MHz)				1717.5	1745	1772.5
15	QPSK	1	0	24.27	24.23	24.18
15	QPSK	1	37	24.12	24.15	24.28
15	QPSK	1	74	23.89	23.88	23.84
15	QPSK	36	0	23.27	23.33	23.43
15	QPSK	36	20	23.30	23.29	23.39
15	QPSK	36	39	23.37	23.30	23.16
15	QPSK	75	0	23.15	23.31	23.14
15	16QAM	1	0	23.23	23.24	23.32
15	16QAM	1	37	23.53	23.44	23.45
15	16QAM	1	74	23.07	23.12	23.13
15	16QAM	36	0	22.10	22.20	22.12
15	16QAM	36	20	22.19	22.29	22.33
15	16QAM	36	39	22.09	22.26	22.26
15	16QAM	75	0	22.10	22.23	22.23
Channel				132022	132322	132622
Frequency (MHz)				1715	1745	1775
10	QPSK	1	0	24.24	24.18	24.20
10	QPSK	1	25	24.26	24.26	24.16
10	QPSK	1	49	23.83	23.85	23.86
10	QPSK	25	0	23.43	23.35	23.40
10	QPSK	25	12	23.38	23.24	23.25
10	QPSK	25	25	23.38	23.31	23.15
10	QPSK	50	0	23.12	23.35	23.29
10	16QAM	1	0	23.35	23.23	23.21
10	16QAM	1	25	23.43	23.55	23.41
10	16QAM	1	49	23.07	23.14	23.15
10	16QAM	25	0	22.11	22.10	22.27
10	16QAM	25	12	22.19	22.14	22.19

10	16QAM	25	25	22.19	22.06	22.11
10	16QAM	50	0	22.32	22.08	22.20
Channel				131997	132322	132647
Frequency (MHz)				1712.5	1745	1777.5
5	QPSK	1	0	24.19	24.31	24.30
5	QPSK	1	12	24.28	24.23	24.12
5	QPSK	1	24	23.85	23.88	23.89
5	QPSK	12	0	23.34	23.31	23.30
5	QPSK	12	7	23.30	23.28	23.25
5	QPSK	12	13	23.30	23.29	23.17
5	QPSK	25	0	23.22	23.18	23.35
5	16QAM	1	0	23.30	23.23	23.18
5	16QAM	1	12	23.43	23.41	23.39
5	16QAM	1	24	22.95	23.11	22.96
5	16QAM	12	0	22.27	22.23	22.20
5	16QAM	12	7	22.21	22.31	22.14
5	16QAM	12	13	22.13	22.07	22.24
5	16QAM	25	0	22.30	22.32	22.22
Channel				131987	132322	132657
Frequency (MHz)				1711.5	1745	1778.5
3	QPSK	1	0	24.21	24.21	24.26
3	QPSK	1	8	24.17	24.30	24.11
3	QPSK	1	14	23.81	23.92	23.85
3	QPSK	8	0	23.37	23.32	23.31
3	QPSK	8	4	23.19	23.21	23.35
3	QPSK	8	7	23.28	23.35	23.14
3	QPSK	15	0	23.17	23.35	23.12
3	16QAM	1	0	23.17	23.34	23.22
3	16QAM	1	8	23.52	23.42	23.48
3	16QAM	1	14	23.03	23.11	23.14
3	16QAM	8	0	22.22	22.25	22.22
3	16QAM	8	4	22.37	22.33	22.14
3	16QAM	8	7	22.06	22.14	22.26
3	16QAM	15	0	22.26	22.24	22.12
Channel				131979	132322	132665
Frequency (MHz)				1710.7	1745	1779.3
1.4	QPSK	1	0	24.12	24.04	24.02
1.4	QPSK	1	3	24.01	24.01	24.00
1.4	QPSK	1	5	23.96	23.98	24.01
1.4	QPSK	3	0	24.09	24.01	24.03
1.4	QPSK	3	1	23.93	24.01	23.97
1.4	QPSK	3	3	23.95	23.98	23.96
1.4	QPSK	6	0	23.22	23.17	23.17
1.4	16QAM	1	0	23.01	23.15	23.06
1.4	16QAM	1	3	23.09	23.12	23.14
1.4	16QAM	1	5	23.21	23.14	23.08
1.4	16QAM	3	0	23.14	23.18	23.26
1.4	16QAM	3	1	23.17	23.12	23.07
1.4	16QAM	3	3	23.13	23.15	23.00
1.4	16QAM	6	0	22.12	22.15	22.06

LTE Band 71:

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	24.08	24.23	23.88
20	QPSK	1	49	24.00	23.74	23.78
20	QPSK	1	99	23.81	23.78	23.78
20	QPSK	50	0	23.11	23.15	23.07
20	QPSK	50	24	23.04	23.13	22.95
20	QPSK	50	50	22.81	22.88	22.79
20	QPSK	100	0	23.00	23.09	22.74
20	16QAM	1	0	23.09	23.23	22.75
20	16QAM	1	49	23.12	23.02	22.98
20	16QAM	1	99	22.78	22.81	22.88
20	16QAM	50	0	22.14	21.94	21.77
20	16QAM	50	24	22.13	21.76	21.72
20	16QAM	50	50	21.80	21.72	21.78
20	16QAM	100	0	22.05	21.83	21.72
Channel				133197	133297	133397
Frequency (MHz)				670.5	680.5	690.5
15	QPSK	1	0	23.84	23.98	24.05
15	QPSK	1	37	23.86	23.89	23.94
15	QPSK	1	74	23.76	23.69	23.74
15	QPSK	36	0	22.75	22.91	22.85
15	QPSK	36	20	23.24	23.22	23.14
15	QPSK	36	39	22.84	22.79	22.77
15	QPSK	75	0	22.97	22.94	22.93
15	16QAM	1	0	23.19	23.02	23.16
15	16QAM	1	37	22.99	22.98	23.08
15	16QAM	1	74	22.79	22.75	22.86
15	16QAM	36	0	22.06	22.00	22.01
15	16QAM	36	20	22.14	22.15	22.10
15	16QAM	36	39	21.88	21.71	21.78
15	16QAM	75	0	22.07	22.11	22.07
Channel				133172	133297	133422
Frequency (MHz)				668	680.5	693
10	QPSK	1	0	24.08	23.90	23.91
10	QPSK	1	25	23.89	23.96	23.93
10	QPSK	1	49	23.76	23.75	23.89
10	QPSK	25	0	22.89	22.71	22.90
10	QPSK	25	12	23.01	23.06	23.15
10	QPSK	25	25	22.89	22.83	22.91
10	QPSK	50	0	22.88	23.07	22.93
10	16QAM	1	0	23.04	22.97	23.02
10	16QAM	1	25	23.16	22.98	22.97
10	16QAM	1	49	22.72	22.67	22.68
10	16QAM	25	0	22.05	22.18	22.10
10	16QAM	25	12	22.05	22.19	22.17

10	16QAM	25	25	21.71	21.73	21.73
10	16QAM	50	0	22.08	22.02	22.09
Channel				133147	133297	133447
Frequency (MHz)				665.5	680.5	695.5
5	QPSK	1	0	23.86	23.99	24.02
5	QPSK	1	12	23.94	23.93	23.98
5	QPSK	1	24	23.86	23.86	23.73
5	QPSK	12	0	22.74	22.72	22.84
5	QPSK	12	7	23.14	23.18	23.15
5	QPSK	12	13	22.86	22.78	22.77
5	QPSK	25	0	23.09	22.94	22.88
5	16QAM	1	0	23.12	22.99	22.96
5	16QAM	1	12	23.12	23.03	23.00
5	16QAM	1	24	22.68	22.76	22.77
5	16QAM	12	0	22.17	22.07	22.05
5	16QAM	12	7	22.05	22.12	22.16
5	16QAM	12	13	21.86	21.90	21.68
5	16QAM	25	0	22.10	22.11	21.96

ERP/EIRP

LTE Band 2 (GT - LC =-0.69 dBi) QPSK									
Bandwidth	1.4M			3M			5M		
Channel	18607	18900	19193	18615	18900	19185	18625	18900	19175
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1850.7	1880	1909.3	1851.5	1880	1908.5	1852.5	1880	1907.5
Conducted Power (dBm)	24.18	24.11	24.16	24.44	24.28	24.40	24.36	24.46	24.37
Conducted Power (Watts)	0.2618	0.2576	0.2606	0.2780	0.2679	0.2754	0.2729	0.2793	0.2735
EIRP(dBm)	23.49	23.42	23.47	23.75	23.59	23.71	23.67	23.77	23.68
EIRP(Watts)	0.2234	0.2198	0.2223	0.2371	0.2286	0.2350	0.2328	0.2382	0.2333

LTE Band 2 (GT - LC = -0.69 dBi) QPSK									
Bandwidth	10M			15M			20M		
Channel	18650	18900	19150	18675	18900	19125	18650	18900	19100
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1855	1880	1905	1857.5	1880	1902.5	1860	1880	1900
Conducted Power (dBm)	24.51	24.37	24.24	24.34	24.43	24.32	24.40	24.56	24.31
Conducted Power (Watts)	0.2825	0.2735	0.2655	0.2716	0.2773	0.2704	0.2754	0.2858	0.2698
EIRP(dBm)	23.82	23.68	23.55	23.65	23.74	23.63	23.71	23.87	23.62
EIRP(Watts)	0.2410	0.2333	0.2265	0.2317	0.2366	0.2307	0.2350	0.2438	0.2301

LTE Band 2 (GT - LC = -0.69 dBi) 16QAM									
Bandwidth	**1.4M**			**3M**			**5M**		
Channel	**18607**	**18900**	**19193**	**18615**	**18900**	**19185**	**18625**	**18900**	**19175**
	(Low)	**(Mid)**	**(High)**	**(Low)**	**(Mid)**	**(High)**	**(Low)**	**(Mid)**	**(High)**
Frequency (MHz)	**1850.7**	**1880**	**1909.3**	**1851.5**	**1880**	**1908.5**	**1852.5**	**1880**	**1907.5**
Conducted Power (dBm)	23.20	23.12	23.01	23.40	23.56	23.33	23.38	23.50	23.55
Conducted Power (Watts)	0.2089	0.2051	0.2000	0.2188	0.2270	0.2153	0.2178	0.2239	0.2265
EIRP(dBm)	22.51	22.43	22.32	22.71	22.87	22.64	22.69	22.81	22.86
EIRP(Watts)	0.1782	0.1750	0.1706	0.1866	0.1936	0.1837	0.1858	0.1910	0.1932

LTE Band 2 (GT - LC = -0.69 dBi) 16QAM									
Bandwidth	**10M**			**15M**			**20M**		
Channel	**18650**	**18900**	**19150**	**18675**	**18900**	**19125**	**18650**	**18900**	**19100**
	(Low)	**(Mid)**	**(High)**	**(Low)**	**(Mid)**	**(High)**	**(Low)**	**(Mid)**	**(High)**
Frequency (MHz)	**1855**	**1880**	**1905**	**1857.5**	**1880**	**1902.5**	**1860**	**1880**	**1900**
Conducted Power (dBm)	23.68	23.48	23.40	23.56	23.51	23.53	23.65	23.54	23.52
Conducted Power (Watts)	0.2333	0.2228	0.2188	0.2270	0.2244	0.2254	0.2317	0.2259	0.2249
EIRP(dBm)	22.99	22.79	22.71	22.87	22.82	22.84	22.96	22.85	22.83
EIRP(Watts)	0.1991	0.1901	0.1866	0.1936	0.1914	0.1923	0.1977	0.1928	0.1919

LTE Band 4 (GT - LC = -0.64 dBi) QPSK									
Bandwidth	1.4M			3M			5M		
Channel	19957	20175	20393	19965	20175	20385	19975	20175	20375
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1710.7	1732.5	1754.3	1711.5	1732.5	1753.5	1712.5	1732.5	1752.5
Conducted Power (dBm)	24.01	23.95	24.03	24.10	24.15	24.14	24.13	24.18	24.14
Conducted Power (Watts)	0.2518	0.2483	0.2529	0.2570	0.2600	0.2594	0.2588	0.2618	0.2594
EIRP(dBm)	23.37	23.31	23.39	23.46	23.51	23.50	23.49	23.54	23.50
EIRP(Watts)	0.2173	0.2143	0.2183	0.2218	0.2244	0.2239	0.2234	0.2259	0.2239

LTE Band 4 (GT - LC = -0.64 dBi) QPSK									
Bandwidth	10M			15M			20M		
Channel	20000	20175	20350	20025	20175	20325	20050	20175	20300
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1715	1732.5	1750	1717.5	1732.5	1747.5	1720	1732.5	1745
Conducted Power (dBm)	24.15	24.14	24.15	24.12	24.19	24.19	23.87	24.33	23.94
Conducted Power (Watts)	0.2600	0.2594	0.2600	0.2582	0.2624	0.2624	0.2438	0.2710	0.2477
EIRP(dBm)	23.51	23.50	23.51	23.48	23.55	23.55	23.23	23.69	23.30
EIRP(Watts)	0.2244	0.2239	0.2244	0.2228	0.2265	0.2265	0.2104	0.2339	0.2138

LTE Band 4 (GT - LC = -0.64 dBi) 16QAM									
Bandwidth	1.4M			3M			5M		
Channel	19957	20175	20393	19965	20175	20385	19975	20175	20375
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1710.7	1732.5	1754.3	1711.5	1732.5	1753.5	1712.5	1732.5	1752.5
Conducted Power (dBm)	23.06	23.05	23.06	23.57	23.41	23.59	23.39	23.53	23.48
Conducted Power (Watts)	0.2023	0.2018	0.2023	0.2275	0.2193	0.2286	0.2183	0.2254	0.2228
EIRP(dBm)	22.42	22.41	22.42	22.93	22.77	22.95	22.75	22.89	22.84
EIRP(Watts)	0.1746	0.1742	0.1746	0.1963	0.1892	0.1972	0.1884	0.1945	0.1923

LTE Band 4 (GT - LC = -0.64 dBi) 16QAM									
Bandwidth	10M			15M			20M		
Channel	20000	20175	20350	20025	20175	20325	20050	20175	20300
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1715	1732.5	1750	1717.5	1732.5	1747.5	1720	1732.5	1745
Conducted Power (dBm)	23.51	23.48	23.45	23.39	23.56	23.43	23.57	23.52	23.36
Conducted Power (Watts)	0.2244	0.2228	0.2213	0.2183	0.2270	0.2203	0.2275	0.2249	0.2168
EIRP(dBm)	22.87	22.84	22.81	22.75	22.92	22.79	22.93	22.88	22.72
EIRP(Watts)	0.1936	0.1923	0.1910	0.1884	0.1959	0.1901	0.1963	0.1941	0.1871

LTE Band 5 (GT - LC =-2.60 dBi) QPSK									
Bandwidth	1.4M			3M			5M		
Channel	20407	20525	20643	20415	20525	20635	20425	20525	20625
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	824.7	836.5	848.3	825.5	836.5	847.5	826.5	836.5	846.5
Conducted Power (dBm)	23.89	24.02	24.12	24.21	24.24	24.18	24.22	24.27	24.21
Conducted Power (Watts)	0.2449	0.2523	0.2582	0.2636	0.2655	0.2618	0.2642	0.2673	0.2636
ERP(dBm)	19.14	19.27	19.37	19.46	19.49	19.43	19.47	19.52	19.46
ERP(Watts)	0.0820	0.0845	0.0865	0.0883	0.0889	0.0877	0.0885	0.0895	0.0883

LTE Band 5 (GT - LC = -2.60 dBi) QPSK			
Bandwidth	10M		
Channel	20450	20525	20600
	(Low)	(Mid)	(High)
Frequency (MHz)	829	836.5	844
Conducted Power (dBm)	24.19	24.28	24.05
Conducted Power (Watts)	0.2624	0.2679	0.2541
ERP(dBm)	19.44	19.53	19.30
ERP(Watts)	0.0879	0.0897	0.0851

LTE Band 5 (GT - LC = -2.60 dB) 16QAM									
Bandwidth	1.4M			3M			5M		
Channel	20407	20525	20643	20415	20525	20635	20425	20525	20625
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	824.7	836.5	848.3	825.5	836.5	847.5	826.5	836.5	846.5
Conducted Power (dBm)	23.18	23.11	23.07	23.50	23.52	23.48	23.56	23.40	23.40
Conducted Power (Watts)	0.2080	0.2046	0.2028	0.2239	0.2249	0.2228	0.2270	0.2188	0.2188
ERP(dBm)	18.43	18.36	18.32	18.75	18.77	18.73	18.81	18.65	18.65
ERP(Watts)	0.0697	0.0685	0.0679	0.0750	0.0753	0.0746	0.0760	0.0733	0.0733

LTE Band 5 (GT - LC = -2.60 dB) 16QAM			
Bandwidth	10M		
Channel	20450	20525	20600
	(Low)	(Mid)	(High)
Frequency (MHz)	829	836.5	844
Conducted Power (dBm)	23.58	23.46	23.44
Conducted Power (Watts)	0.2280	0.2218	0.2208
ERP(dBm)	18.83	18.71	18.69
ERP(Watts)	0.0764	0.0743	0.0740

LTE Band 12 (GT - LC = -3.0 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)	24.13	24.17	24.07	24.49	24.39	24.47	24.47	24.30	24.35
Conducted Power (Watts)	0.2588	0.2612	0.2553	0.2812	0.2748	0.2799	0.2799	0.2692	0.2723
ERP(dBm)	18.98	19.02	18.92	19.34	19.24	19.32	19.32	19.15	19.20
ERP(Watts)	0.0791	0.0798	0.0780	0.0859	0.0839	0.0855	0.0855	0.0822	0.0832

LTE Band 12 (GT - LC = -3.0 dB) QPSK			
Bandwidth	**10M**		
Channel	**23060**	**23095**	**23130**
	(Low)	**(Mid)**	**(High)**
Frequency (MHz)	**704**	**707.5**	**711**
Conducted Power (dBm)	24.25	24.53	24.36
Conducted Power (Watts)	0.2661	0.2838	0.2729
ERP(dBm)	19.10	19.38	19.21
ERP(Watts)	0.0813	0.0867	0.0834

LTE Band 12 (GT - LC = -3.0 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)	23.21	23.28	23.38	23.76	23.81	23.82	23.80	23.73	23.58
Conducted Power (Watts)	0.2094	0.2128	0.2178	0.2377	0.2404	0.2410	0.2399	0.2360	0.2280
ERP(dBm)	18.06	18.13	18.23	18.61	18.66	18.67	18.65	18.58	18.43
ERP(Watts)	0.0640	0.0650	0.0665	0.0726	0.0735	0.0736	0.0733	0.0721	0.0697

LTE Band 12 (GT - LC = -3.0 dB) 16QAM			
Bandwidth	**10M**		
Channel	**23060**	**23095**	**23130**
	(Low)	**(Mid)**	**(High)**
Frequency (MHz)	**704**	**707.5**	**711**
Conducted Power (dBm)	23.78	23.72	23.76
Conducted Power (Watts)	0.2388	0.2355	0.2377
ERP(dBm)	18.63	18.57	18.61
ERP(Watts)	0.0729	0.0719	0.0726

LTE Band 66 (GT - LC = -0.64 dB) QPSK									
Bandwidth	1.4M			3M			5M		
Channel	131979	132322	132665	131987	132322	132657	131997	132322	132647
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1710.7	1745	1779.3	1711.5	1745	1778.5	1712.5	1745	1777.5
Conducted Power (dBm)	24.12	24.04	24.02	24.17	24.30	24.11	24.19	24.31	24.30
Conducted Power (Watts)	0.2582	0.2535	0.2523	0.2612	0.2692	0.2576	0.2624	0.2698	0.2692
EIRP(dBm)	23.48	23.40	23.38	23.53	23.66	23.47	23.55	23.67	23.66
EIRP(Watts)	0.2228	0.2188	0.2178	0.2254	0.2323	0.2223	0.2265	0.2328	0.2323

LTE Band 66 (GT - LC = -0.64 dB) QPSK									
Bandwidth	10M			15M			20M		
Channel	132022	132322	132622	132047	132322	132597	132072	132322	132572
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(Mid)
Frequency (MHz)	1715	1745	1775	1717.5	1745	1772.5	1720	1745	1770
Conducted Power (dBm)	24.26	24.26	24.16	24.12	24.15	24.28	24.32	24.35	24.28
Conducted Power (Watts)	0.2667	0.2667	0.2606	0.2582	0.2600	0.2679	0.2704	0.2723	0.2679
EIRP(dBm)	23.62	23.62	23.52	23.48	23.51	23.64	23.68	23.71	23.64
EIRP(Watts)	0.2301	0.2301	0.2249	0.2228	0.2244	0.2312	0.2333	0.2350	0.2312

LTE Band 66 (GT - LC = -0.64 dB) 16QAM									
Bandwidth	1.4M			3M			5M		
Channel	131979	132322	132665	131987	132322	132657	131997	132322	132647
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	1710.7	1745	1779.3	1711.5	1745	1778.5	1712.5	1745	1777.5
Conducted Power (dBm)	23.14	23.18	23.26	23.52	23.42	23.48	23.43	23.41	23.39
Conducted Power (Watts)	0.2061	0.2080	0.2118	0.2249	0.2198	0.2228	0.2203	0.2193	0.2183
EIRP(dBm)	22.50	22.54	22.62	22.88	22.78	22.84	22.79	22.77	22.75
EIRP(Watts)	0.1778	0.1795	0.1828	0.1941	0.1897	0.1923	0.1901	0.1892	0.1884

LTE Band 66 (GT - LC = -0.64 dB) 16QAM									
Bandwidth	10M			15M			20M		
Channel	132022	132322	132622	132047	132322	132597	132072	132322	132572
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(Mid)
Frequency (MHz)	1715	1745	1775	1717.5	1745	1772.5	1720	1745	1770
Conducted Power (dBm)	23.43	23.55	23.41	23.53	23.44	23.45	23.52	23.52	23.46
Conducted Power (Watts)	0.2203	0.2265	0.2193	0.2254	0.2208	0.2213	0.2249	0.2249	0.2218
EIRP(dBm)	22.79	22.91	22.77	22.89	22.80	22.81	22.88	22.88	22.82
EIRP(Watts)	0.1901	0.1954	0.1892	0.1945	0.1905	0.1910	0.1941	0.1941	0.1914

LTE Band 71 (GT - LC = -3.30 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)	23.86	23.99	24.02	24.08	23.90	23.91	23.84	23.98	24.05
Conducted Power (Watts)	0.2432	0.2506	0.2523	0.2559	0.2455	0.2460	0.2421	0.2500	0.2541
ERP(dBm)	18.41	18.54	18.57	18.63	18.45	18.46	18.39	18.53	18.60
ERP(Watts)	0.0693	0.0714	0.0719	0.0729	0.0700	0.0701	0.0690	0.0713	0.0724

LTE Band 71 (GT - LC = -3.30 dB) QPSK			
Bandwidth	20M		
Channel	133222	133297	133372
	(Low)	(Mid)	(High)
Frequency (MHz)	673	680.5	688
Conducted Power (dBm)	24.08	24.23	23.88
Conducted Power (Watts)	0.2559	0.2649	0.2443
ERP(dBm)	18.63	18.78	18.43
ERP(Watts)	0.0729	0.0755	0.0697

LTE Band 71 (GT - LC = -3.30 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 (MHz)	665.5	680.5	695.5	668	680.5	693	670.5	680.5	690.5
Conducted Power (dBm)	23.12	23.03	23.00	23.16	22.98	22.97	23.19	23.02	23.16
Conducted Power (Watts)	0.2051	0.2009	0.1995	0.2070	0.1986	0.1982	0.2084	0.2004	0.2070
ERP(dBm)	17.67	17.58	17.55	17.71	17.53	17.52	17.74	17.57	17.71
ERP(Watts)	0.0585	0.0573	0.0569	0.0590	0.0566	0.0565	0.0594	0.0571	0.0590

LTE Band 71 (GT - LC = -3.30 dB) 16QAM			
Bandwidth	20M		
Channel	133222	133297	133372
	(Low)	(Mid)	(High)
Frequency (MHz)	673	680.5	688
Conducted Power (dBm)	23.09	23.23	22.75
Conducted Power (Watts)	0.2037	0.2104	0.1884
ERP(dBm)	17.64	17.78	17.30
ERP(Watts)	0.0581	0.0600	0.0537

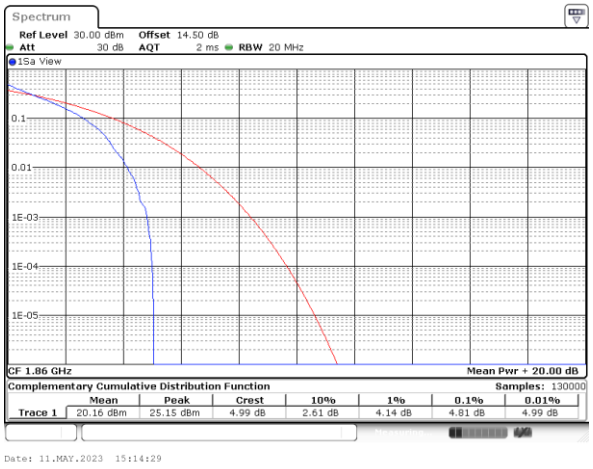
LTE Band 2

Peak-to-Average Ratio

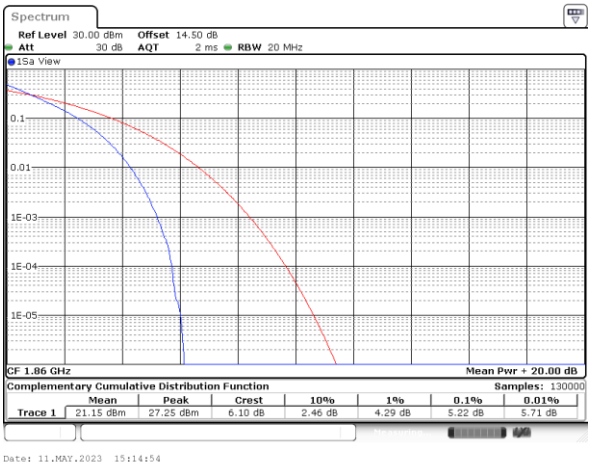
Mode	LTE Band 2 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.81	5.22	5.62	6.17	PASS
Middle CH	4.29	4.64	5.39	5.62	
Highest CH	4.12	4.72	5.10	5.74	

LTE Band 2 / 20MHz / QPSK

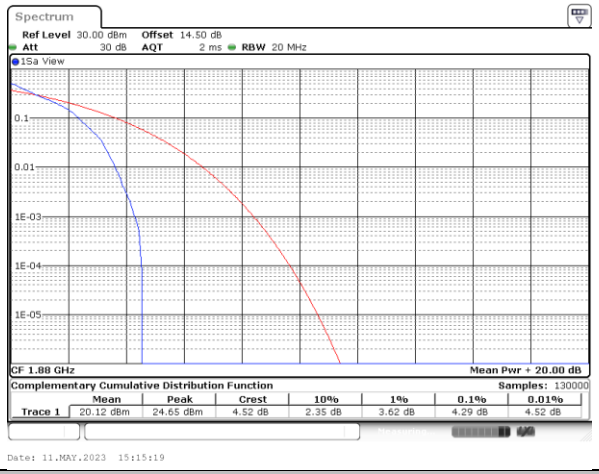
Lowest Channel / 1RB



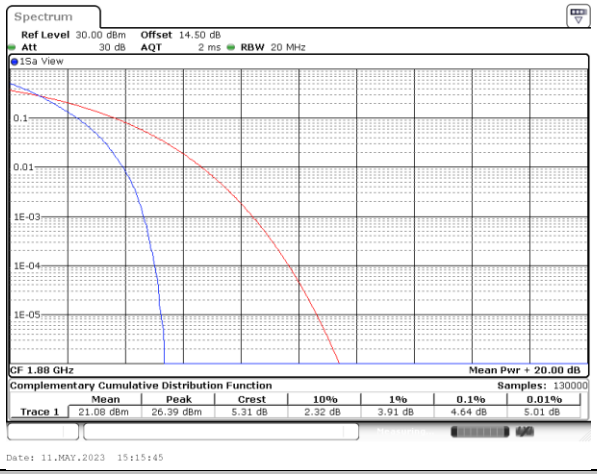
Lowest Channel / Full RB



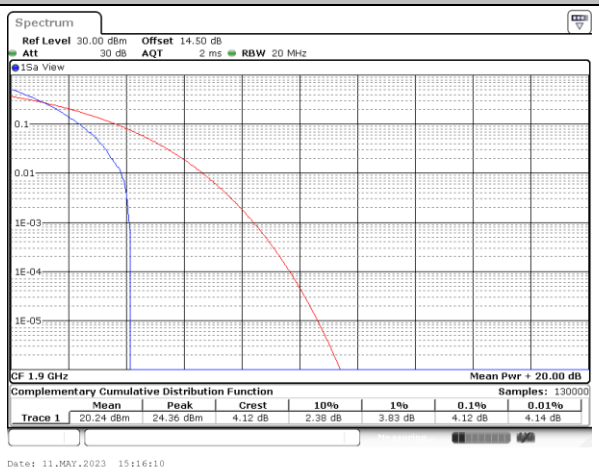
Middle Channel / 1RB



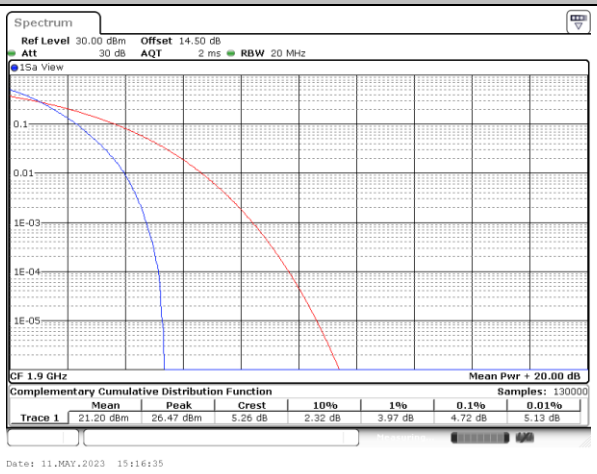
Middle Channel / Full RB



Highest Channel / 1RB

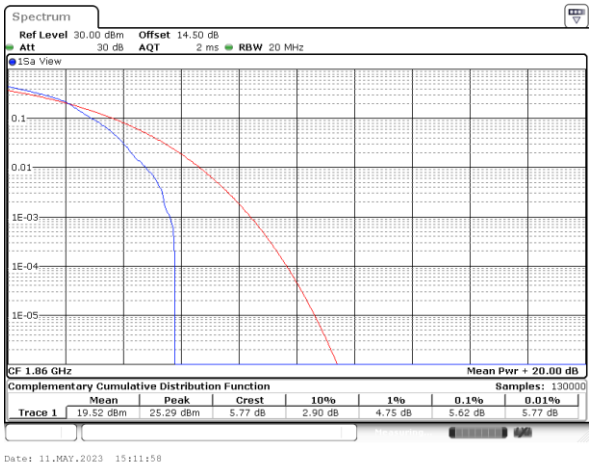


Highest Channel / Full RB

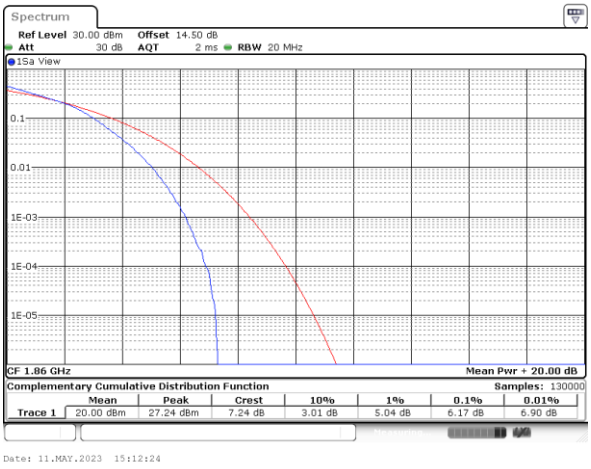


LTE Band 2 / 20MHz / 16QAM

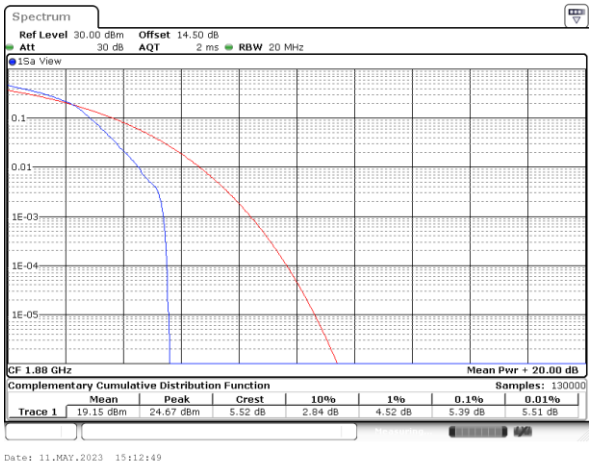
Lowest Channel / 1RB



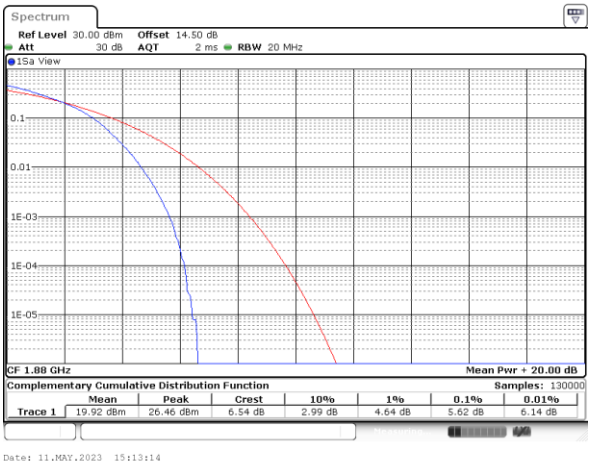
Lowest Channel / Full RB



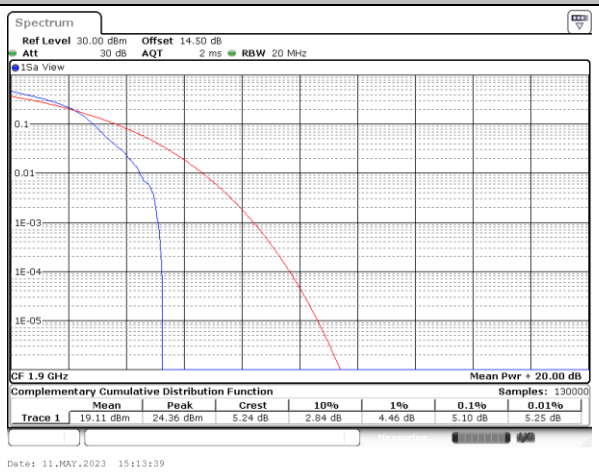
Middle Channel / 1RB



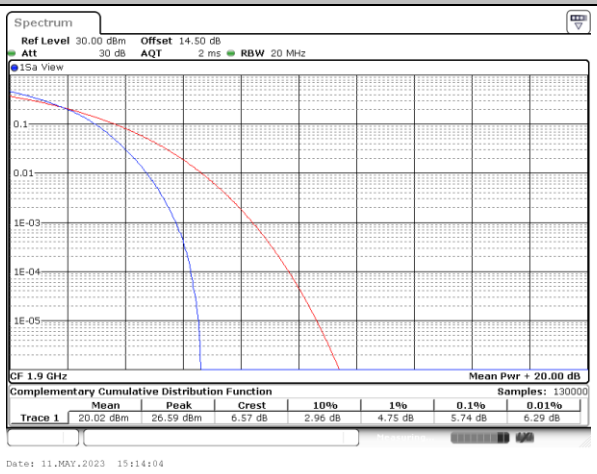
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

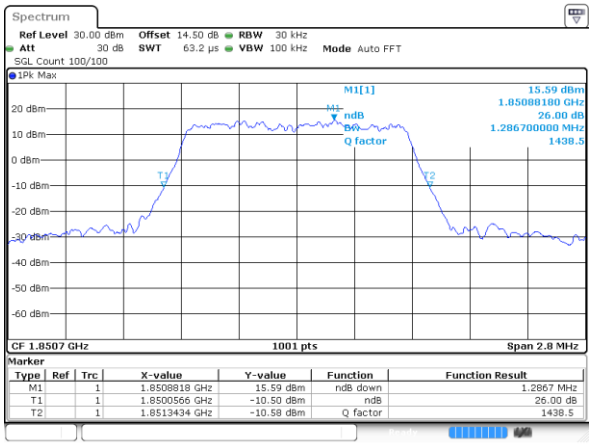


26dB Bandwidth

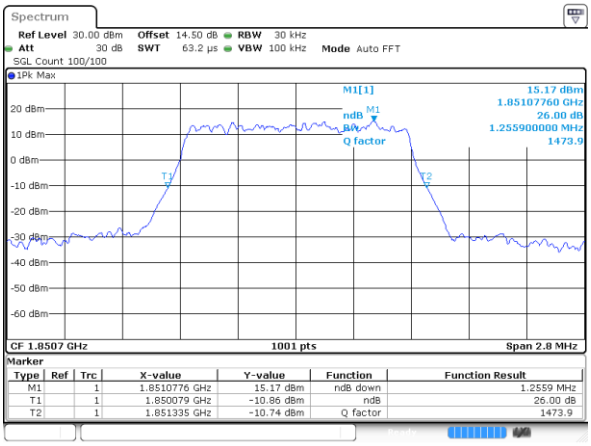
Mode	LTE Band 2 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.29	1.26	2.94	2.97	5.04	5.05	10.03	10.03	14.42	14.54	18.86	19.10
Middle CH	1.30	1.29	2.95	2.97	5.17	5.01	9.97	10.03	14.42	14.66	18.78	19.26
Highest CH	1.26	1.26	2.96	2.99	4.96	4.96	9.69	10.01	14.18	14.42	19.30	18.90

LTE Band 2

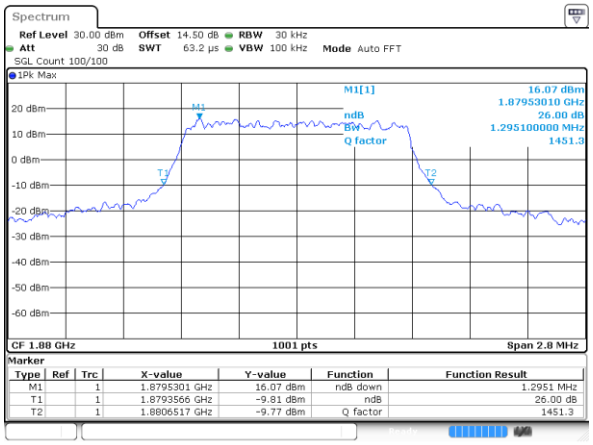
Lowest Channel / 1.4MHz / QPSK



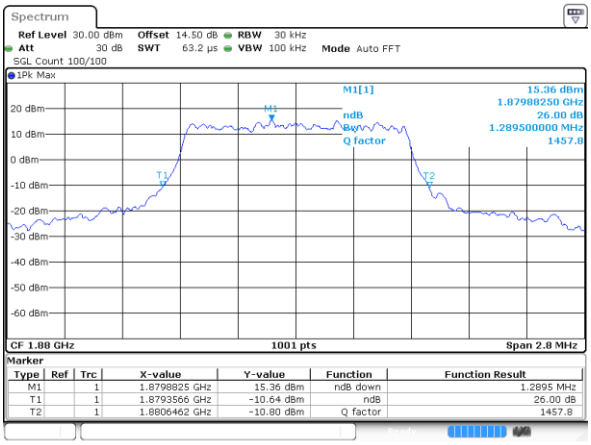
Lowest Channel / 1.4MHz / 16QAM



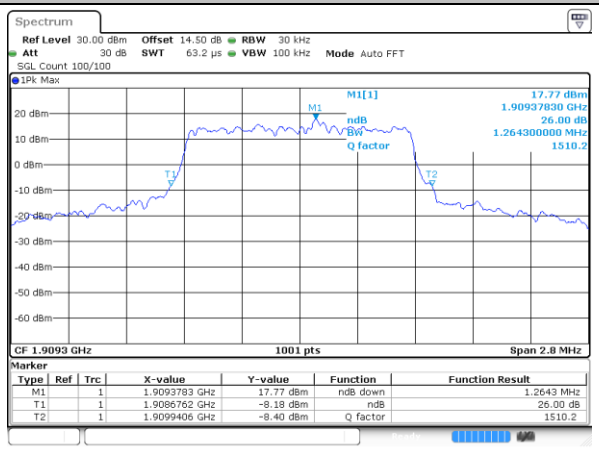
Middle Channel / 1.4MHz / QPSK



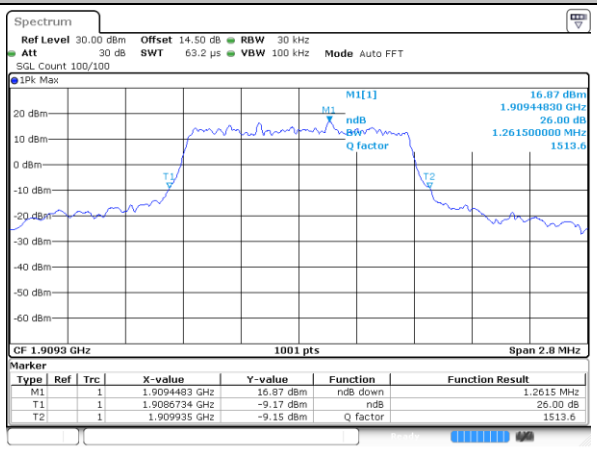
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

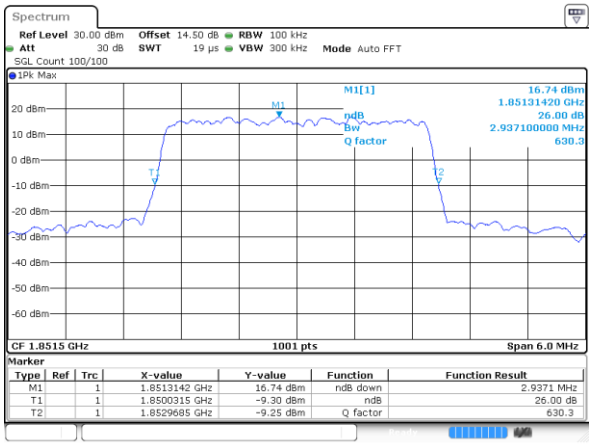


Highest Channel / 1.4MHz / 16QAM

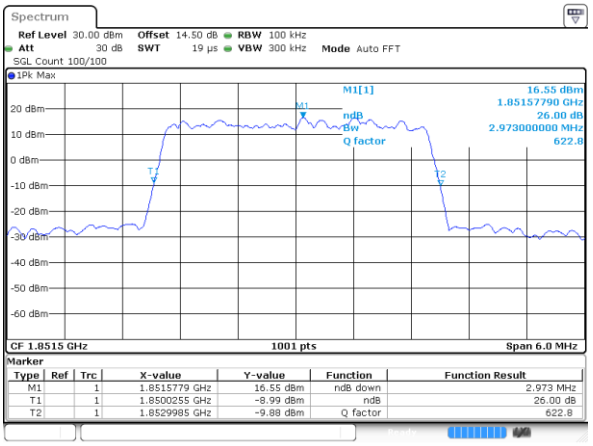


LTE Band 2

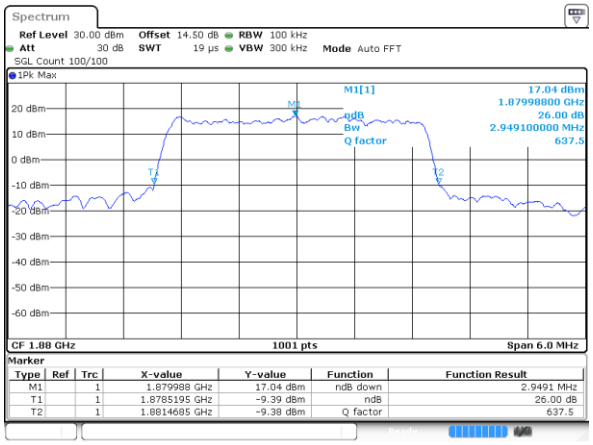
Lowest Channel / 3MHz / QPSK



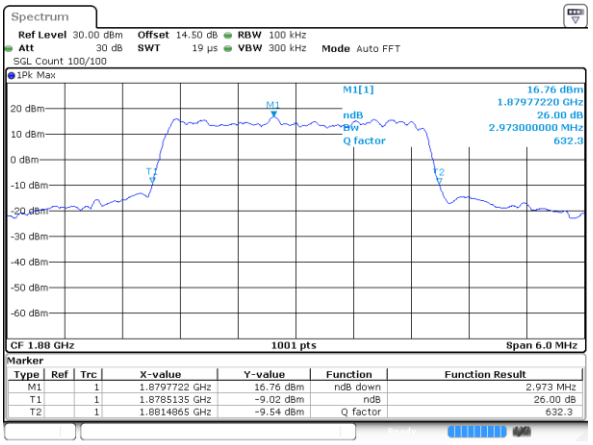
Lowest Channel / 3MHz / 16QAM



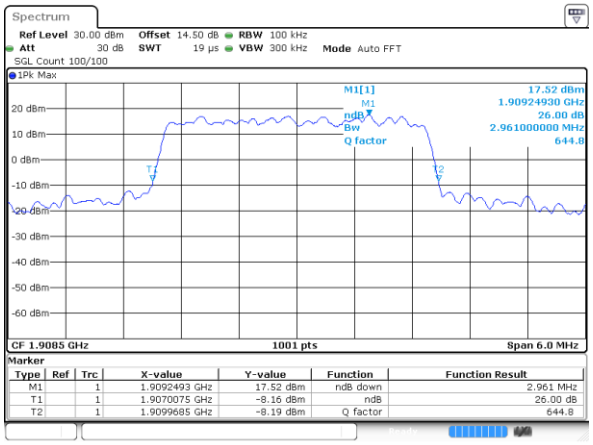
Middle Channel / 3MHz / QPSK



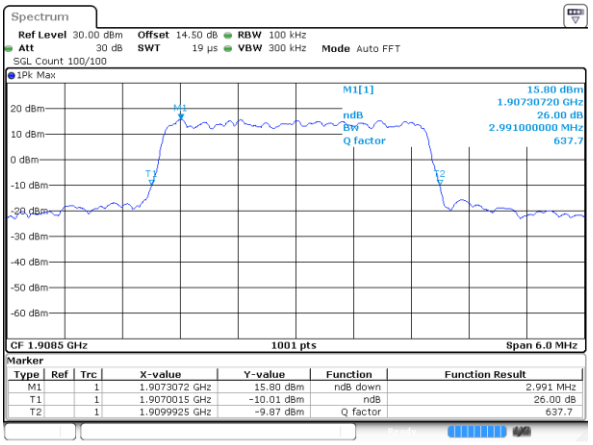
Middle Channel /3MHz / 16QAM



Highest Channel /3MHz / QPSK

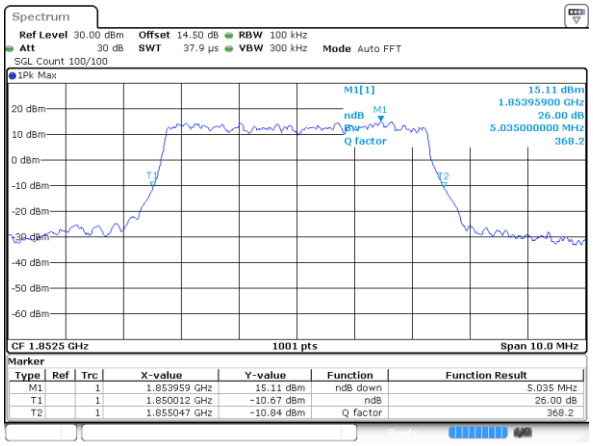


Highest Channel /3MHz / 16QAM

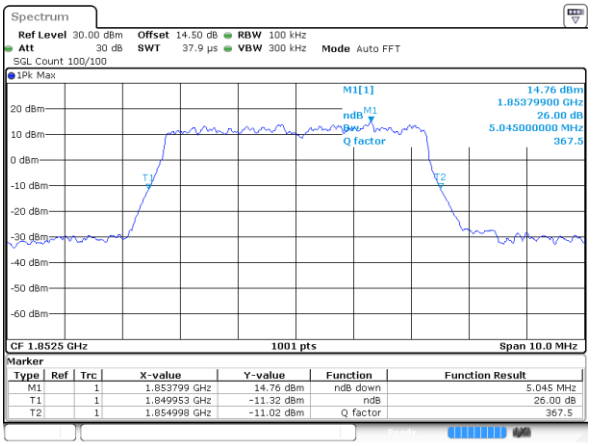


LTE Band 2

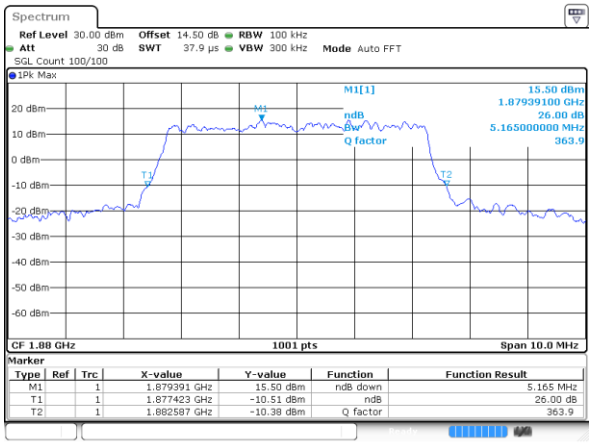
Lowest Channel / 5MHz / QPSK



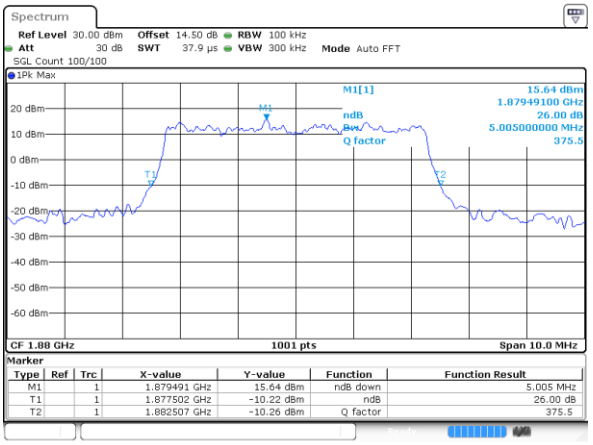
Lowest Channel / 5MHz / 16QAM



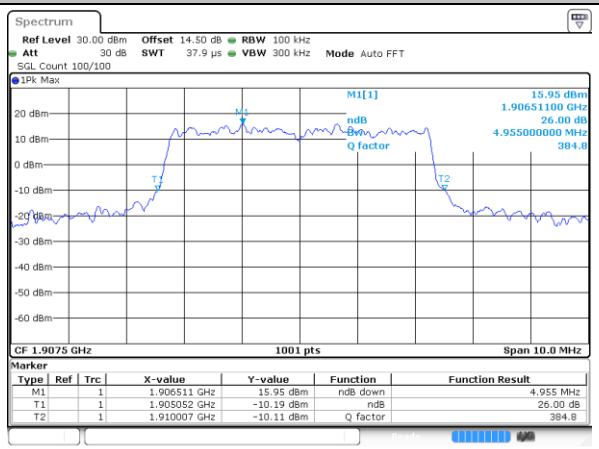
Middle Channel / 5MHz / QPSK



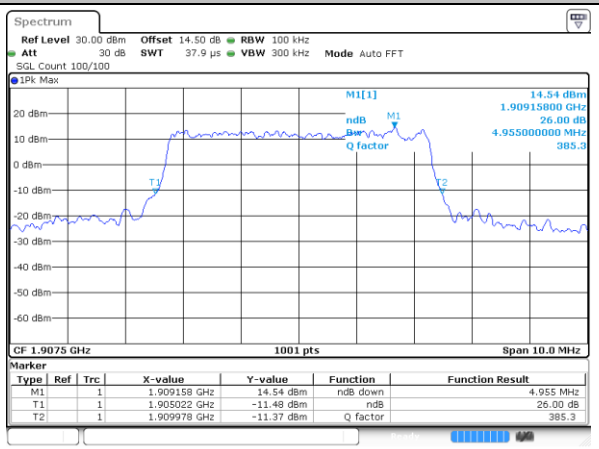
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

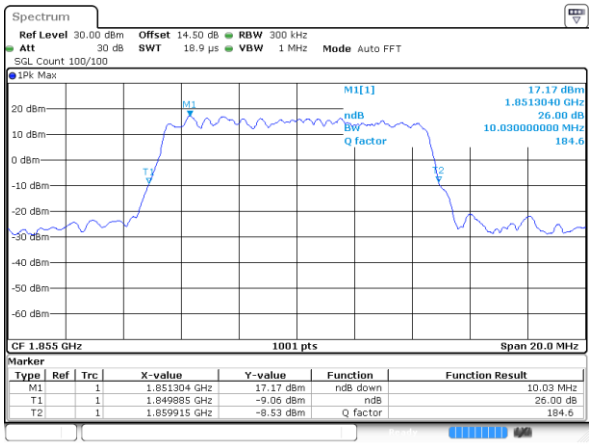


Highest Channel / 5MHz / 16QAM

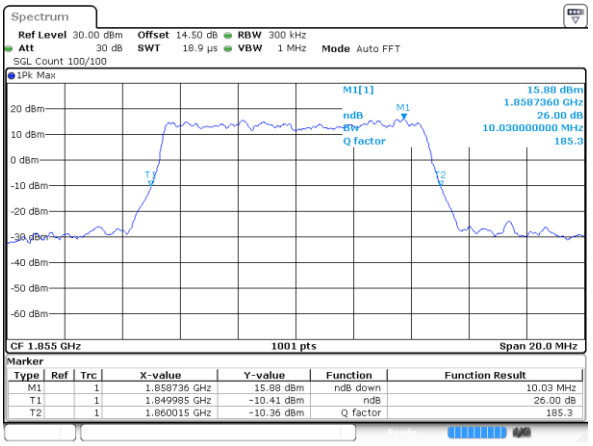


LTE Band 2

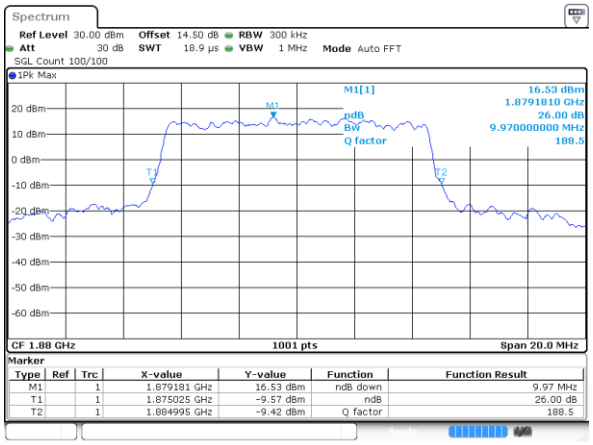
Lowest Channel / 10MHz / QPSK



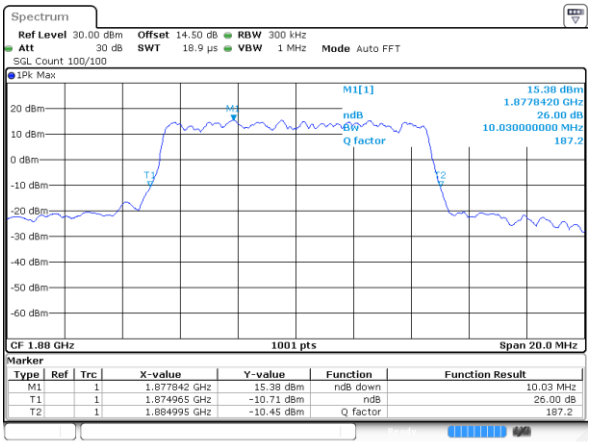
Lowest Channel / 10MHz / 16QAM



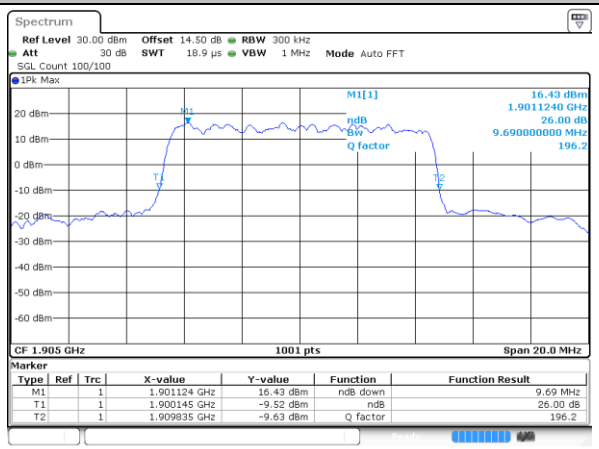
Middle Channel / 10MHz / QPSK



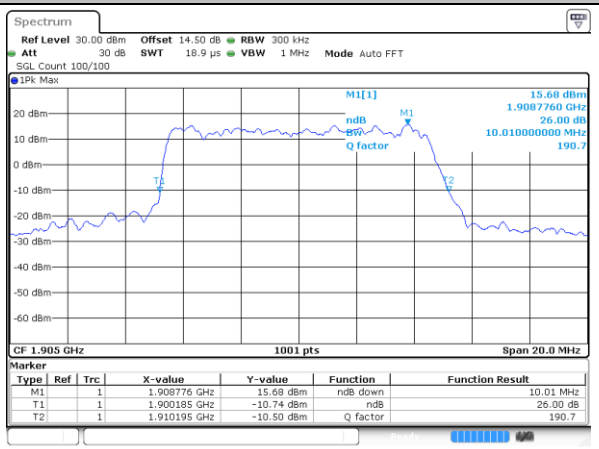
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

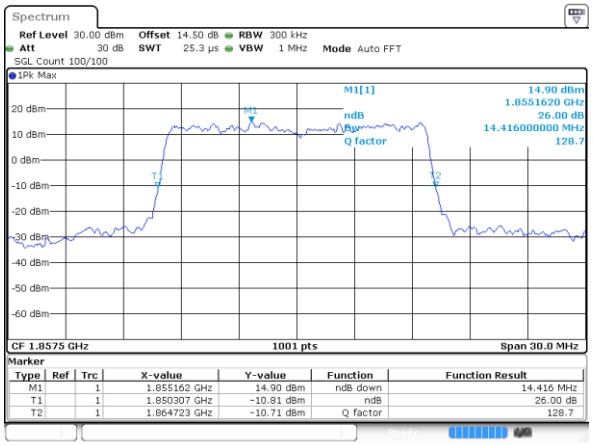


Highest Channel / 10MHz / 16QAM

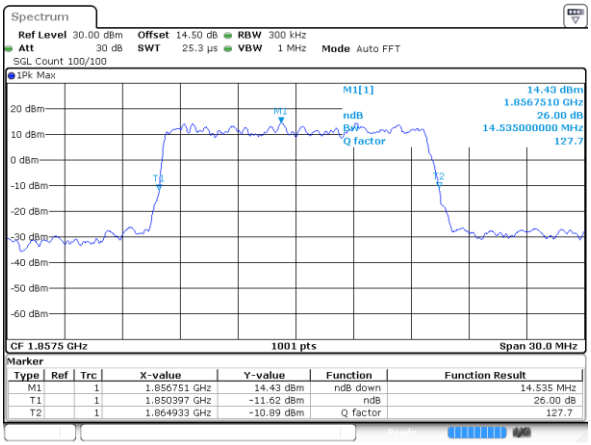


LTE Band 2

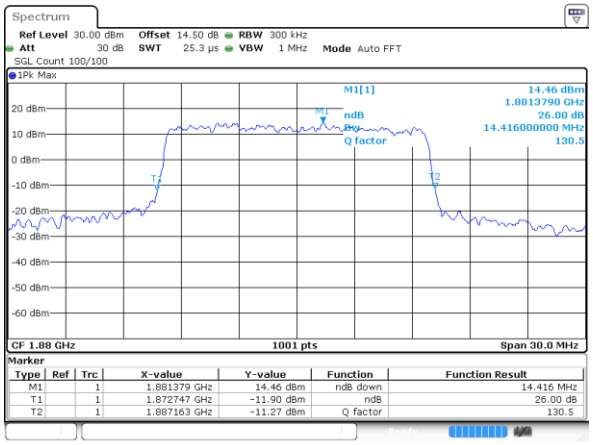
Lowest Channel / 15MHz / QPSK



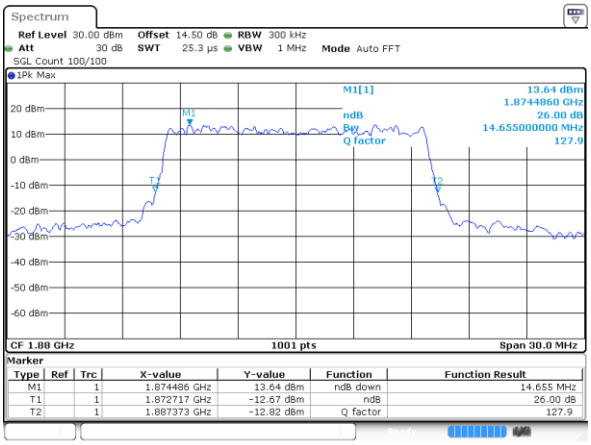
Lowest Channel / 15MHz / 16QAM



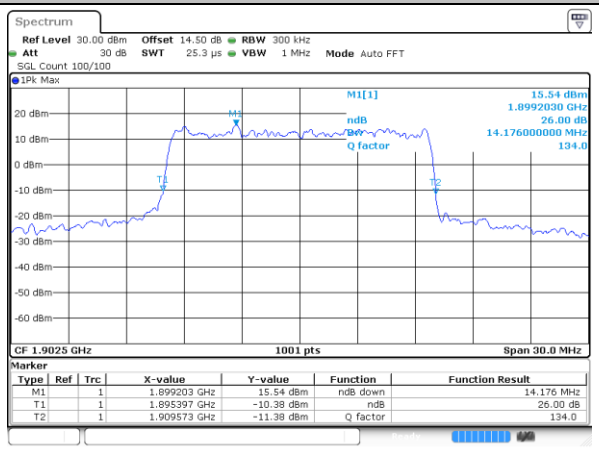
Middle Channel / 15MHz / QPSK



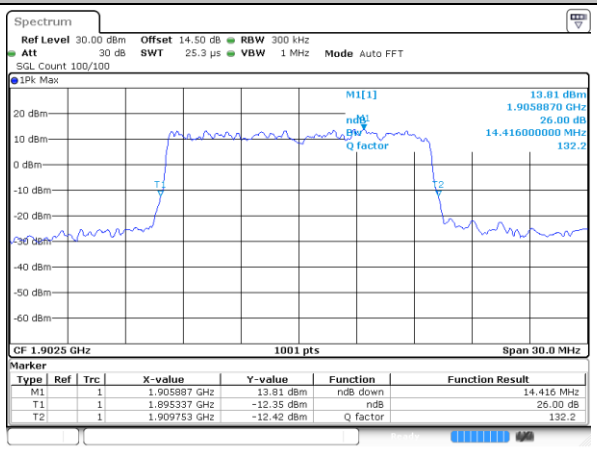
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

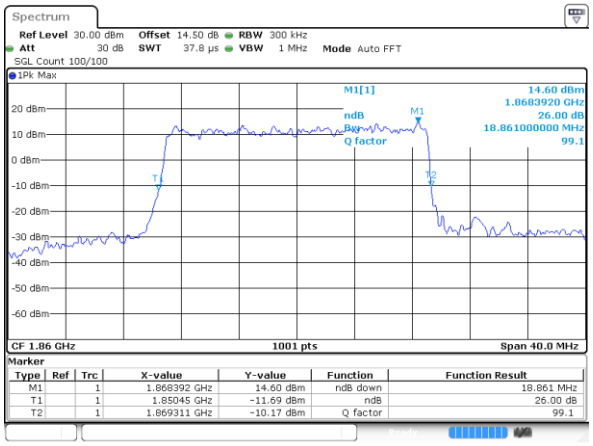


Highest Channel / 15MHz / 16QAM

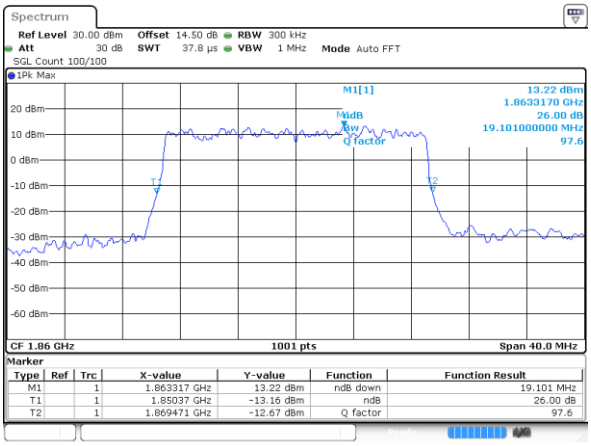


LTE Band 2

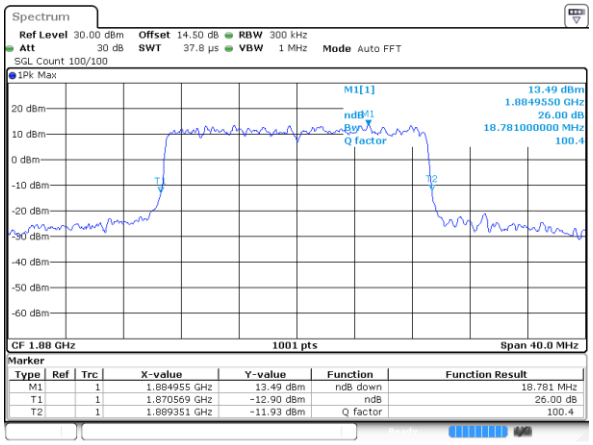
Lowest Channel / 20MHz / QPSK



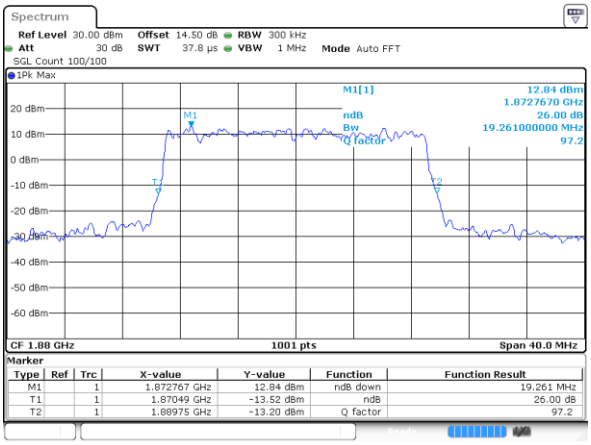
Lowest Channel / 20MHz / 16QAM



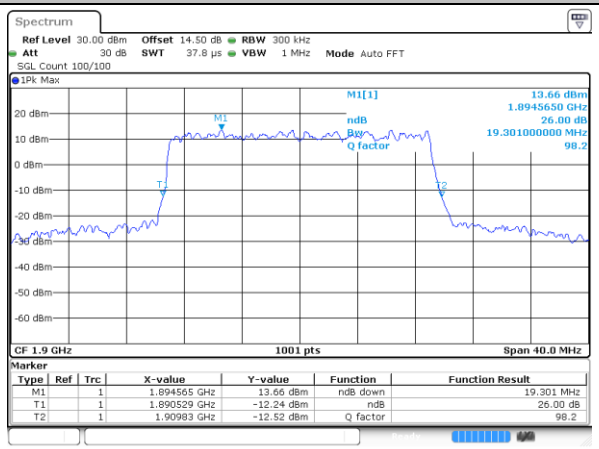
Middle Channel / 20MHz / QPSK



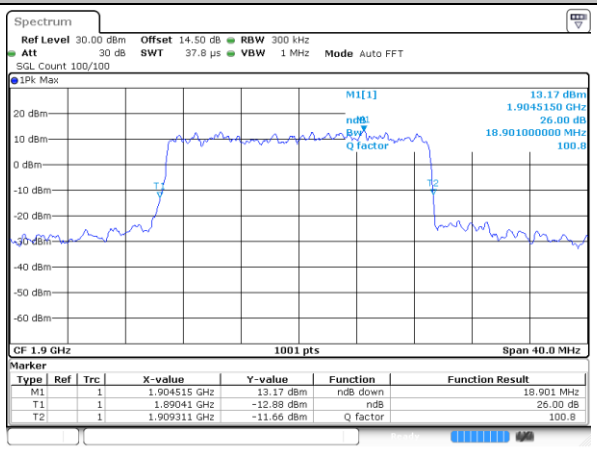
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM

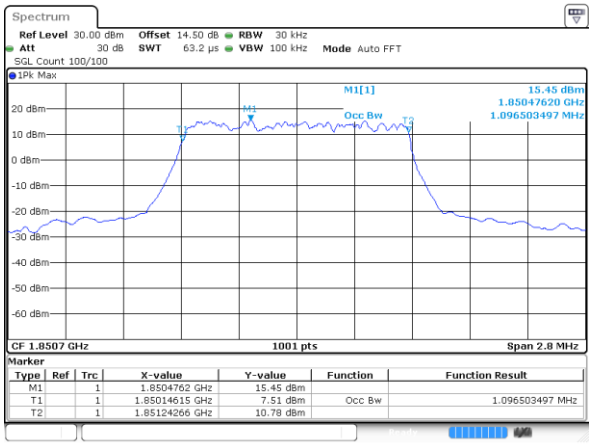


Occupied Bandwidth

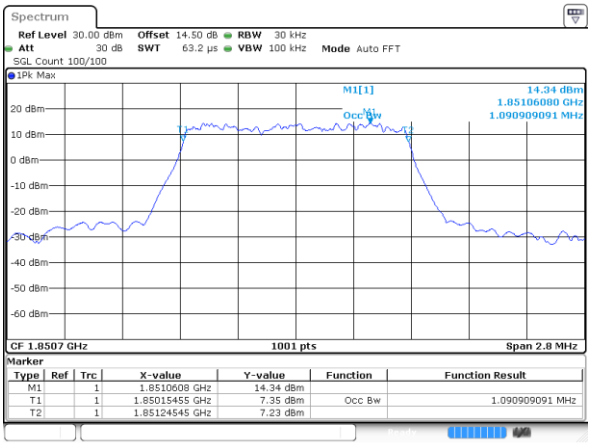
Mode	LTE Band 2 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.10	1.09	2.70	2.70	4.49	4.50	9.01	9.11	13.49	13.40	17.90	17.94
Middle CH	1.09	1.10	2.70	2.70	4.49	4.51	9.05	9.09	13.40	13.40	17.90	17.82
Highest CH	1.09	1.09	2.70	2.70	4.51	4.48	9.07	9.03	13.49	13.49	17.94	17.90

LTE Band 2

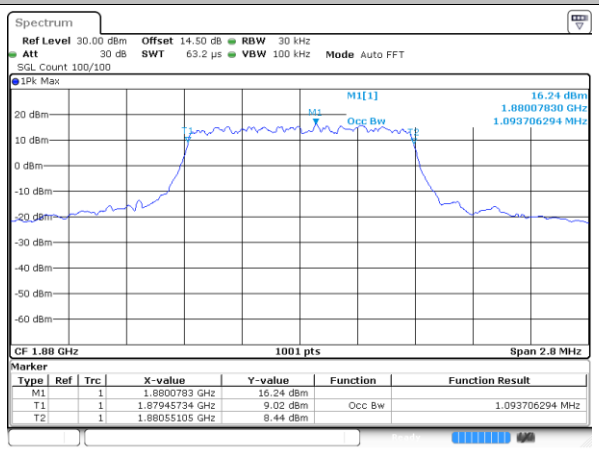
Lowest Channel / 1.4MHz / QPSK



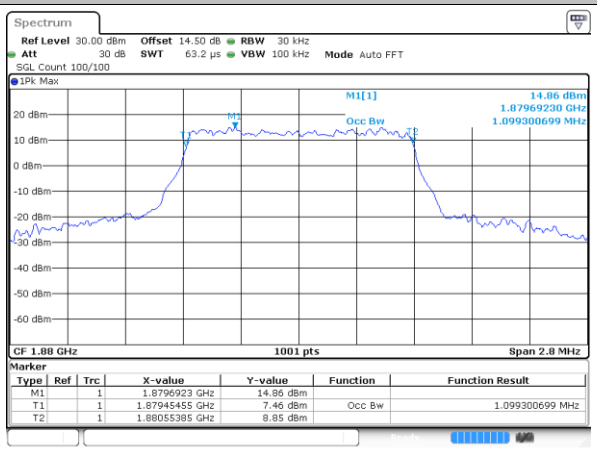
Lowest Channel / 1.4MHz / 16QAM



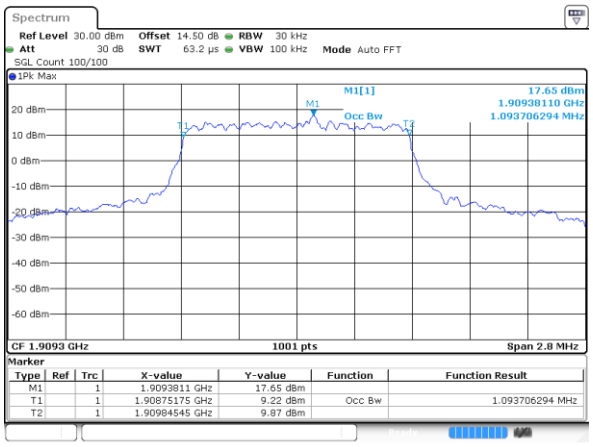
Middle Channel / 1.4MHz / QPSK



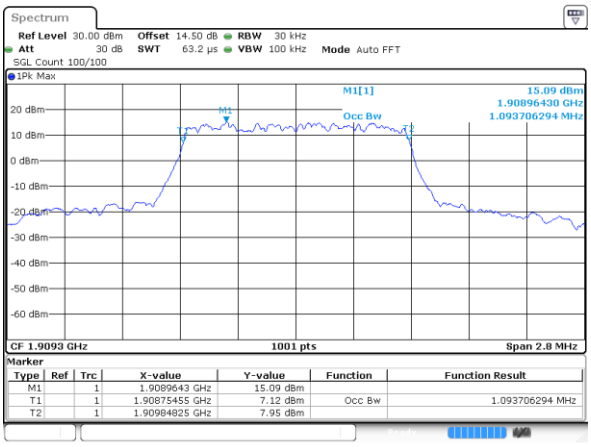
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

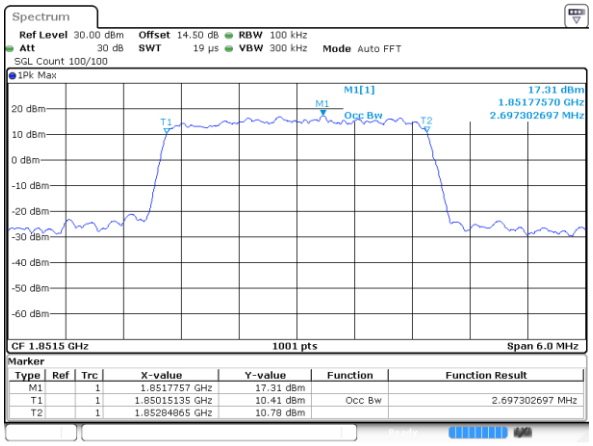


Highest Channel / 1.4MHz / 16QAM



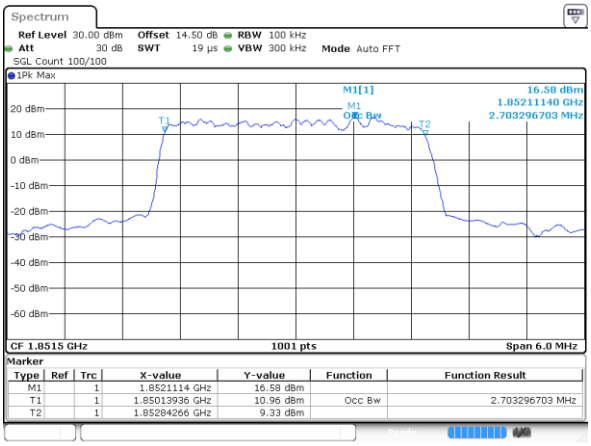
LTE Band 2

Lowest Channel / 3MHz / QPSK



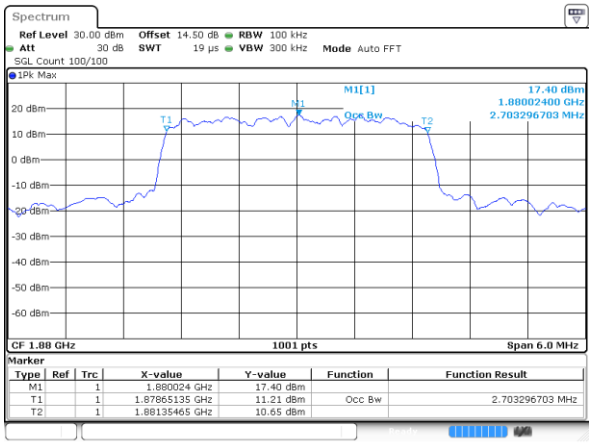
Date: 10.MAY.2023 09:34:16

Lowest Channel / 3MHz / 16QAM



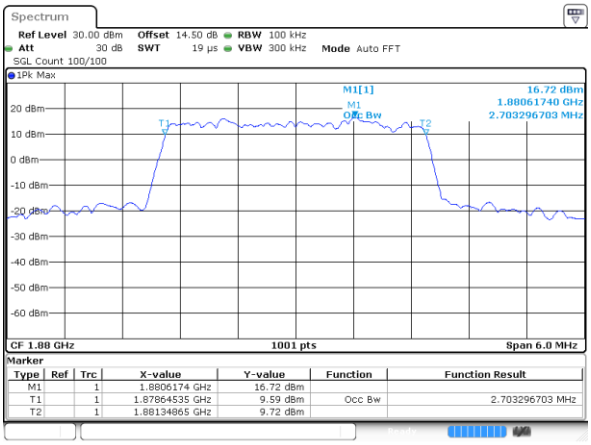
Date: 10.MAY.2023 09:34:40

Middle Channel / 3MHz / QPSK



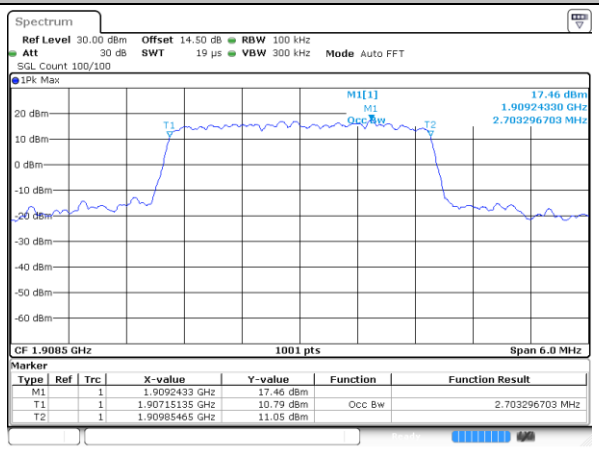
Date: 10.MAY.2023 09:45:41

Middle Channel / 3MHz / 16QAM



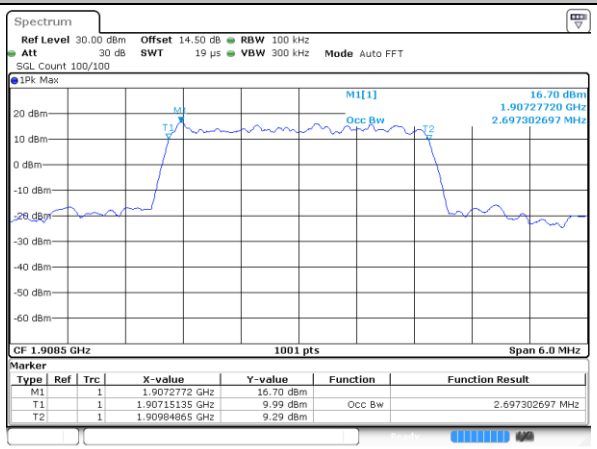
Date: 10.MAY.2023 09:46:05

Highest Channel / 3MHz / QPSK



Date: 10.MAY.2023 09:49:46

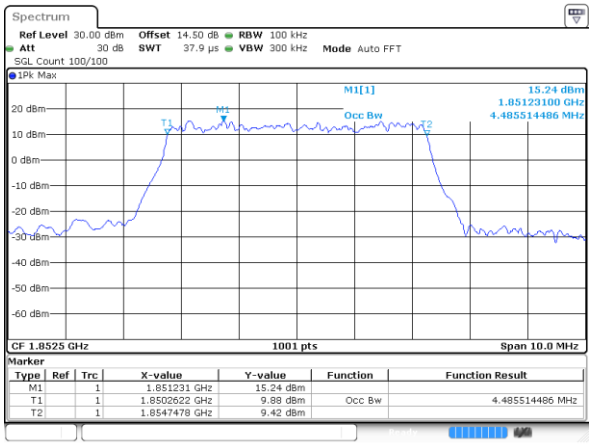
Highest Channel / 3MHz / 16QAM



Date: 10.MAY.2023 09:50:11

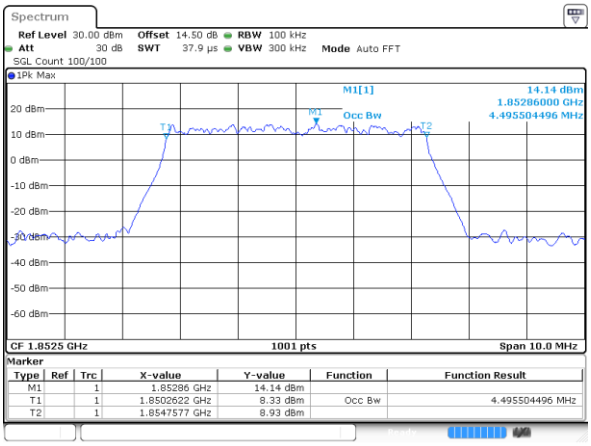
LTE Band 2

Lowest Channel / 5MHz / QPSK



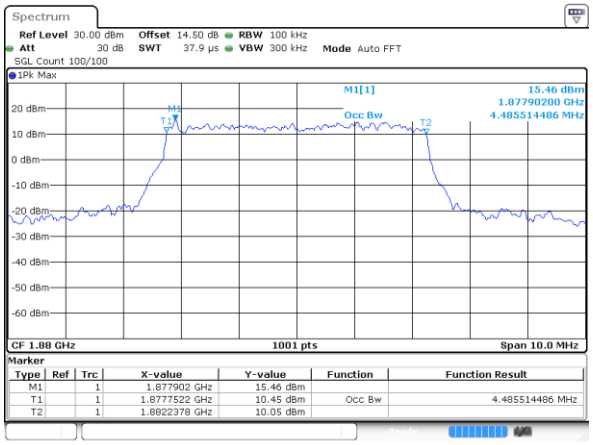
Date: 10.MAY.2023 09:57:31

Lowest Channel / 5MHz / 16QAM



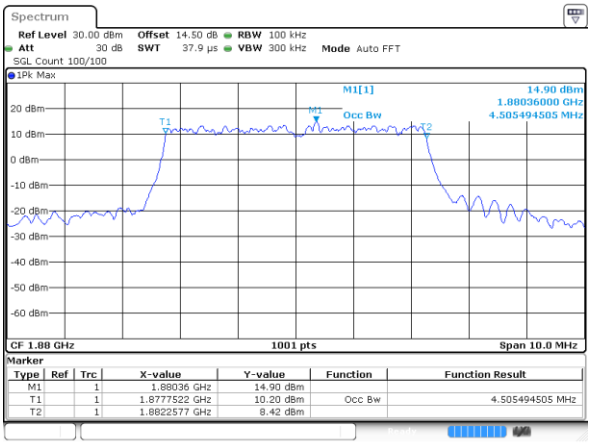
Date: 10.MAY.2023 09:57:55

Middle Channel / 5MHz / QPSK



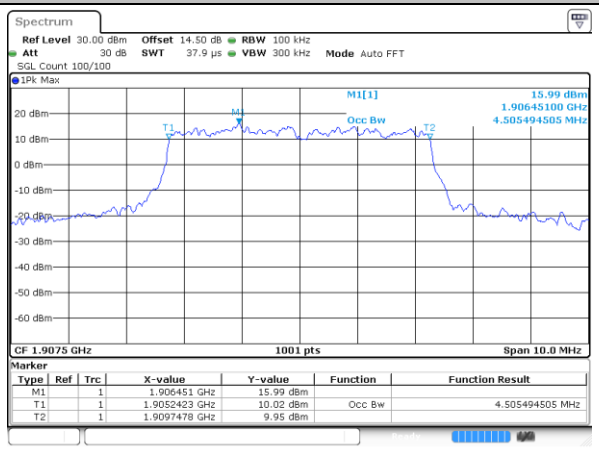
Date: 10.MAY.2023 10:05:13

Middle Channel / 5MHz / 16QAM



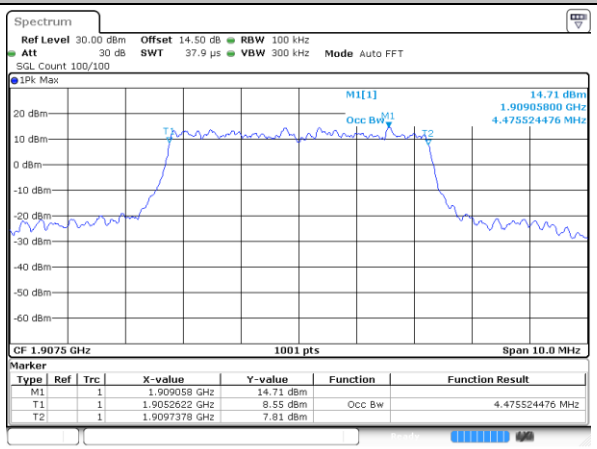
Date: 10.MAY.2023 10:05:36

Highest Channel / 5MHz / QPSK



Date: 10.MAY.2023 10:09:18

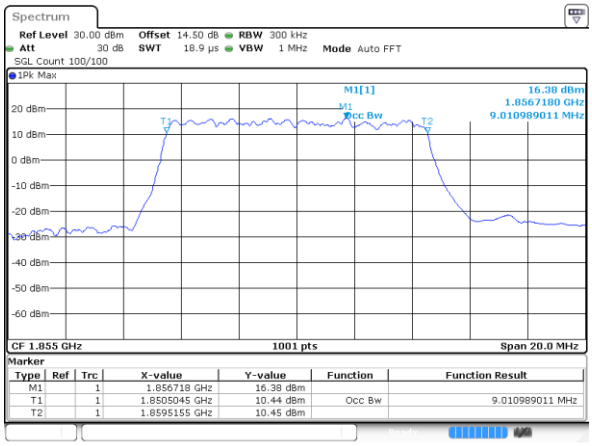
Highest Channel / 5MHz / 16QAM



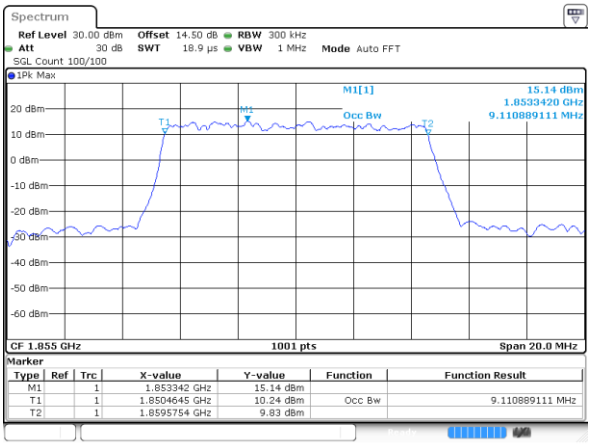
Date: 10.MAY.2023 10:09:42

LTE Band 2

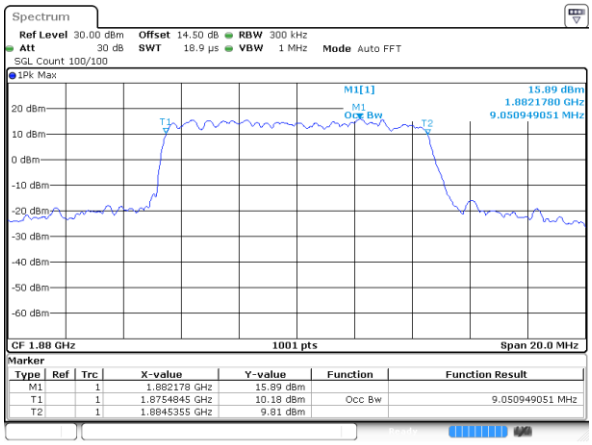
Lowest Channel / 10MHz / QPSK



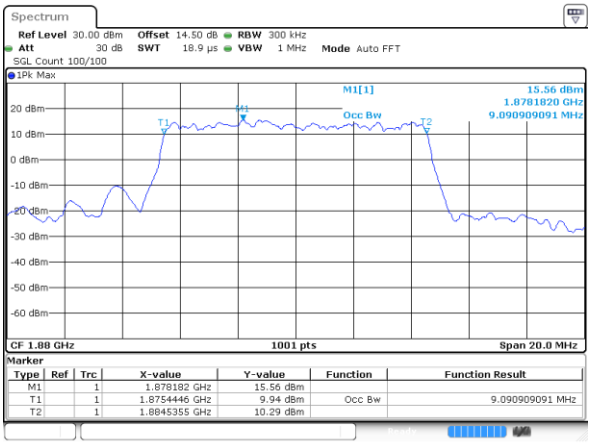
Lowest Channel / 10MHz / 16QAM



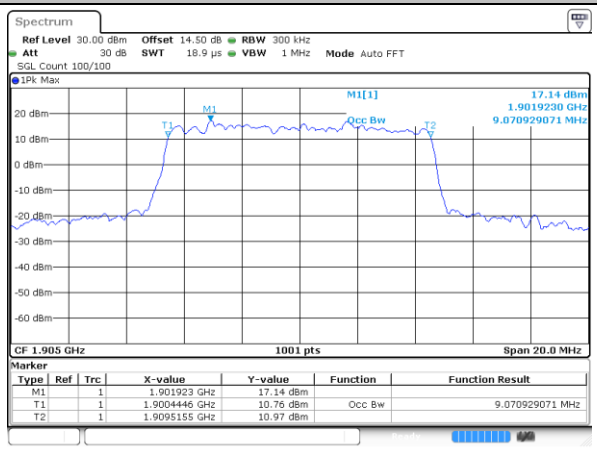
Middle Channel / 10MHz / QPSK



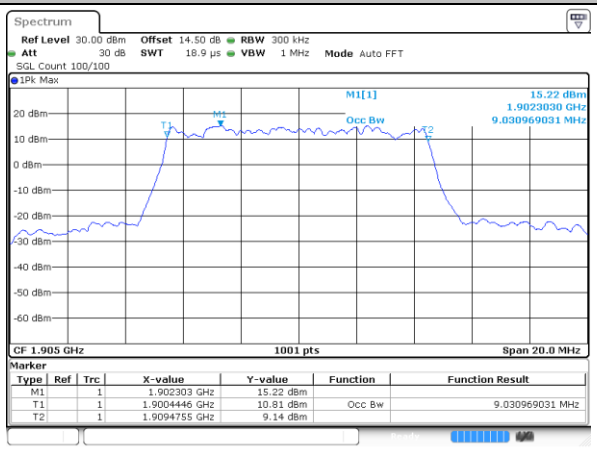
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

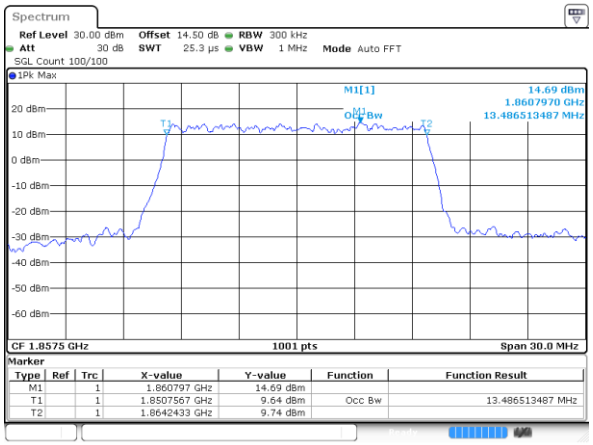


Highest Channel / 10MHz / 16QAM

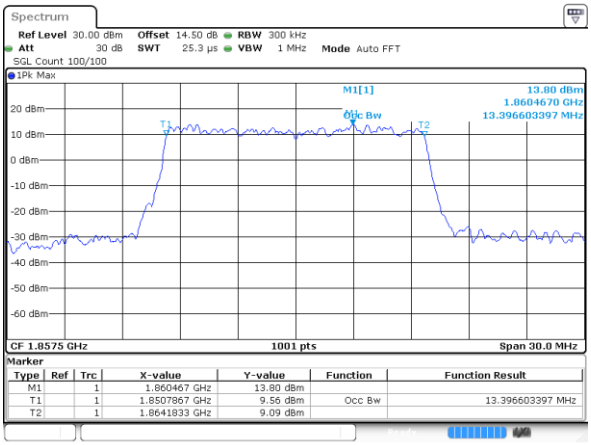


LTE Band 2

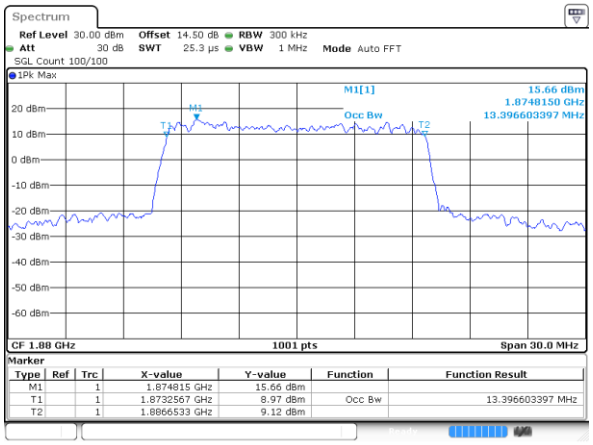
Lowest Channel / 15MHz / QPSK



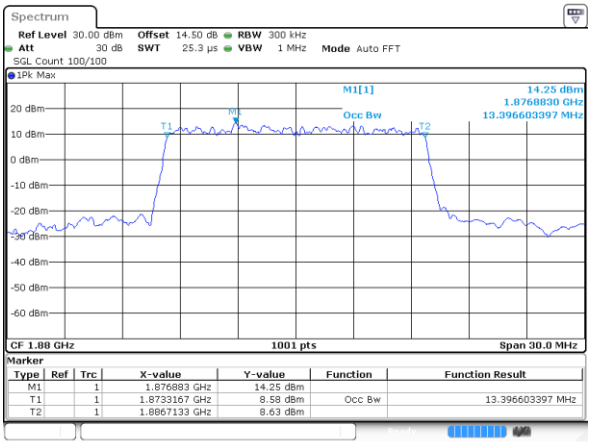
Lowest Channel / 15MHz / 16QAM



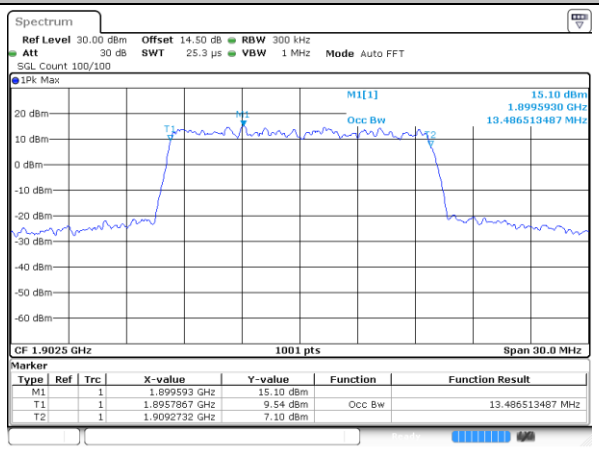
Middle Channel / 15MHz / QPSK



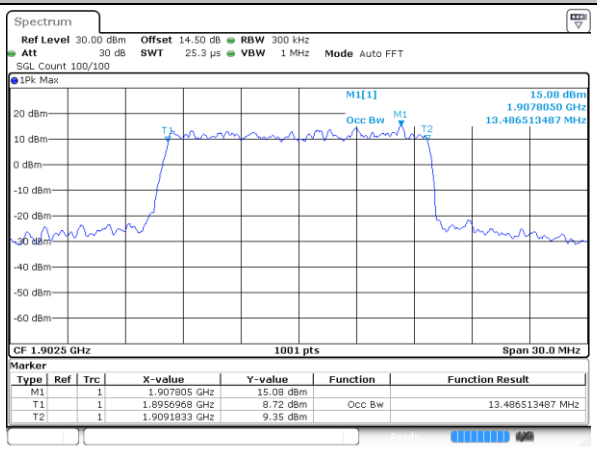
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

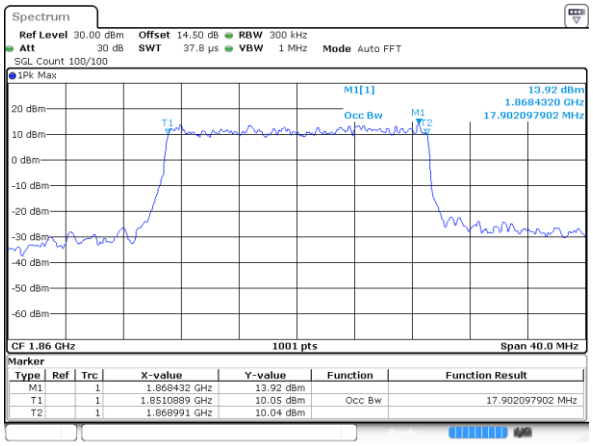


Highest Channel / 15MHz / 16QAM



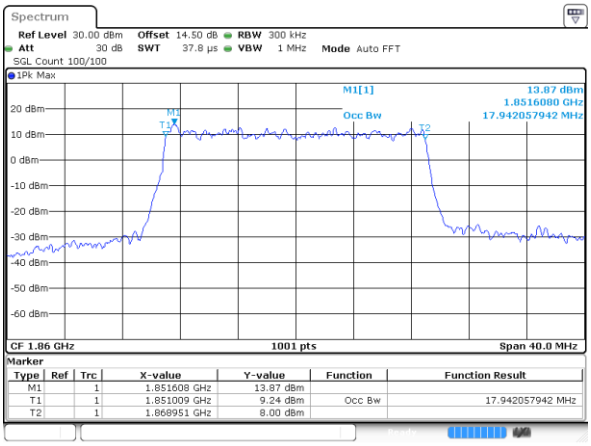
LTE Band 2

Lowest Channel / 20MHz / QPSK



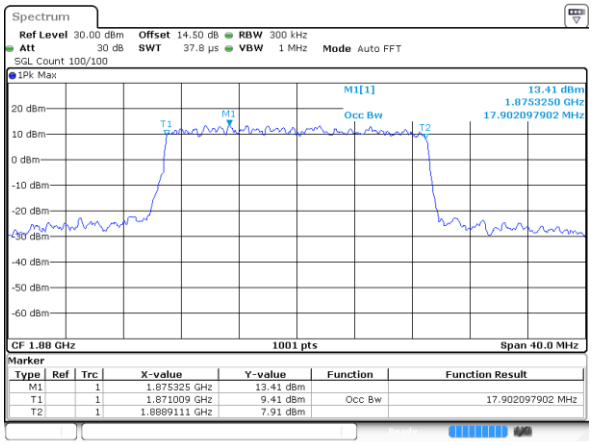
Date: 10.MAY.2023 10:56:11

Lowest Channel / 20MHz / 16QAM



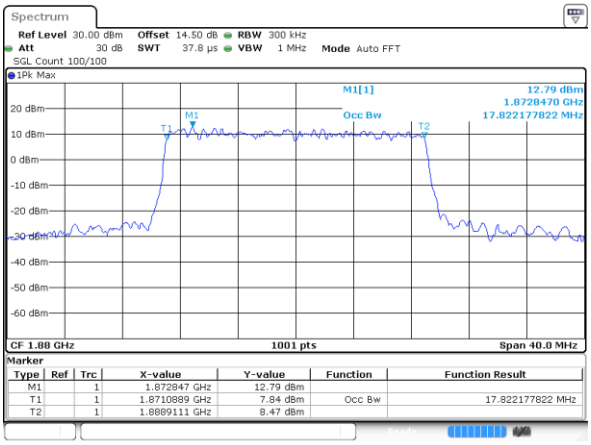
Date: 10.MAY.2023 10:56:35

Middle Channel / 20MHz / QPSK



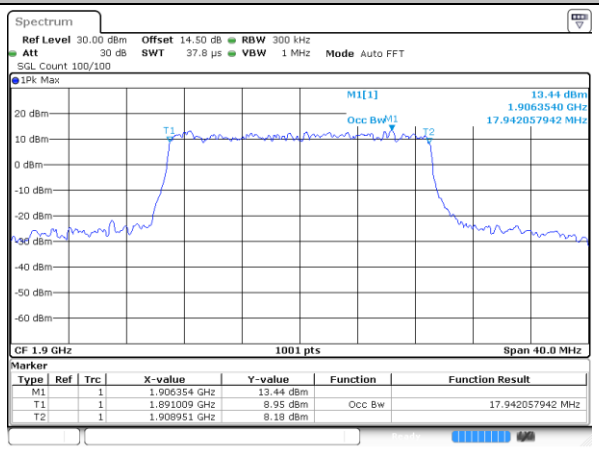
Date: 10.MAY.2023 11:06:08

Middle Channel / 20MHz / 16QAM



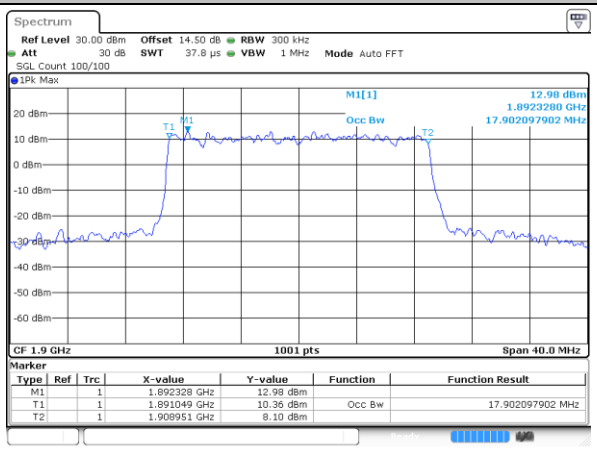
Date: 10.MAY.2023 11:06:32

Highest Channel / 20MHz / QPSK



Date: 10.MAY.2023 11:10:55

Highest Channel / 20MHz / 16QAM

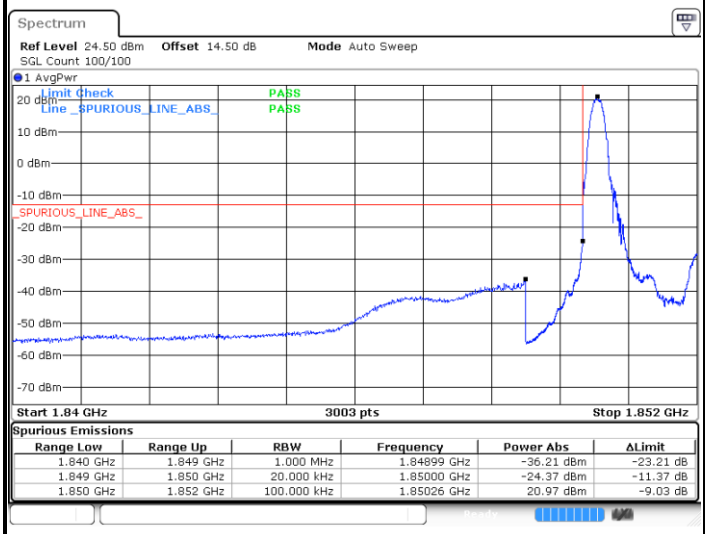


Date: 10.MAY.2023 11:11:20

Conducted Band Edge

LTE Band 2 / 1.4MHz / QPSK

Lowest Band Edge / 1RB

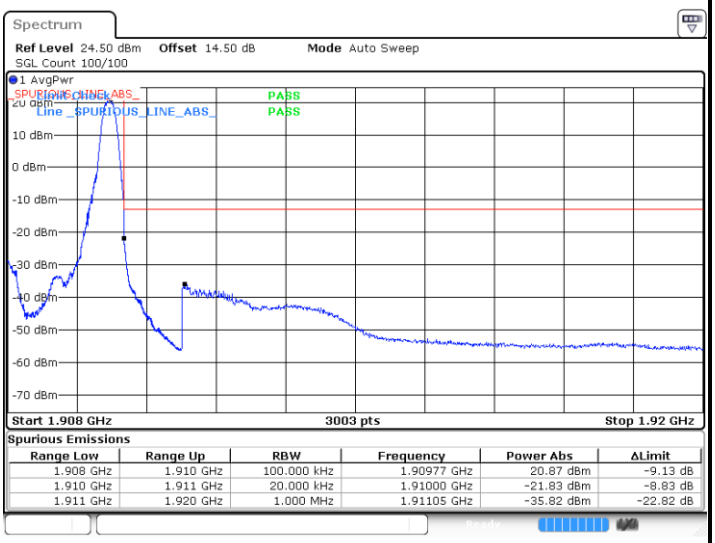


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84899 GHz	-36.21 dBm	-23.21 dB
1.849 GHz	1.850 GHz	20.000 kHz	1.85000 GHz	-24.37 dBm	-11.37 dB
1.850 GHz	1.852 GHz	100.000 kHz	1.85026 GHz	20.97 dBm	-9.03 dB

Date: 10.MAY.2023 11:24:04

Highest Band Edge / 1RB

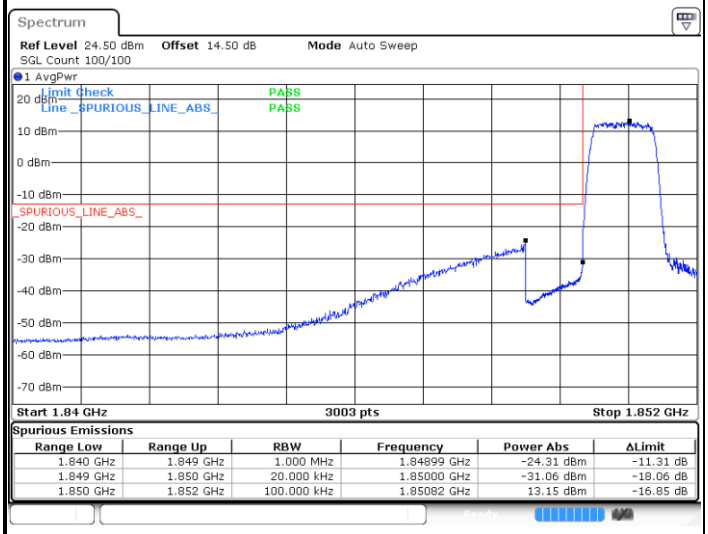


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.908 GHz	1.910 GHz	100.000 kHz	1.90977 GHz	20.87 dBm	-9.13 dB
1.910 GHz	1.911 GHz	20.000 kHz	1.91000 GHz	-21.83 dBm	-8.83 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91105 GHz	-35.82 dBm	-22.82 dB

Date: 10.MAY.2023 11:39:12

Lowest Band Edge / Full RB

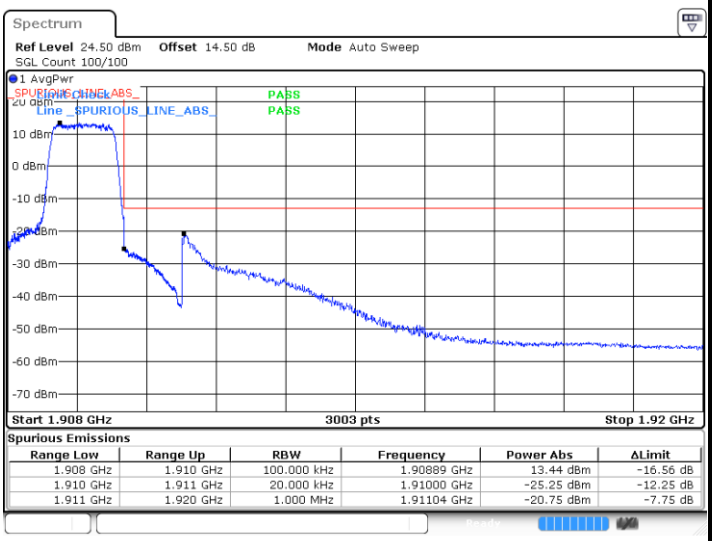


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84899 GHz	-24.31 dBm	-11.31 dB
1.849 GHz	1.850 GHz	20.000 kHz	1.85000 GHz	-31.06 dBm	-18.06 dB
1.850 GHz	1.852 GHz	100.000 kHz	1.85082 GHz	13.15 dBm	-16.85 dB

Date: 10.MAY.2023 11:26:51

Highest Band Edge / Full RB



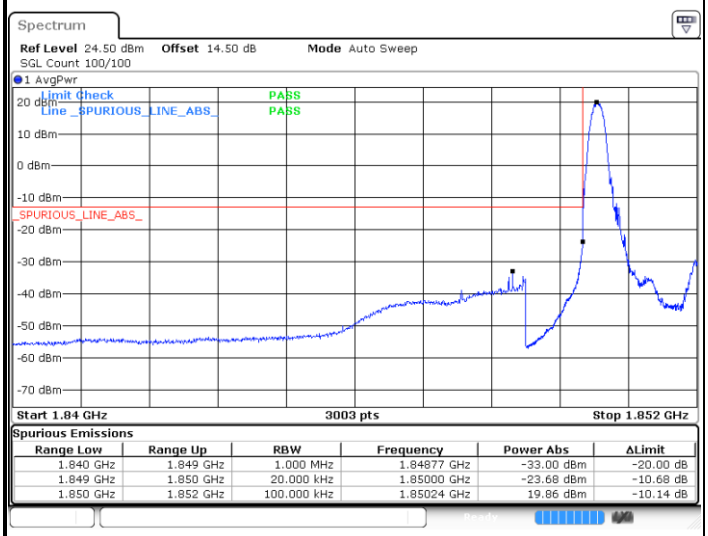
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.908 GHz	1.910 GHz	100.000 kHz	1.90889 GHz	13.44 dBm	-16.56 dB
1.910 GHz	1.911 GHz	20.000 kHz	1.91000 GHz	-25.25 dBm	-12.25 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91104 GHz	-20.75 dBm	-7.75 dB

Date: 10.MAY.2023 11:42:00

LTE Band 2 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

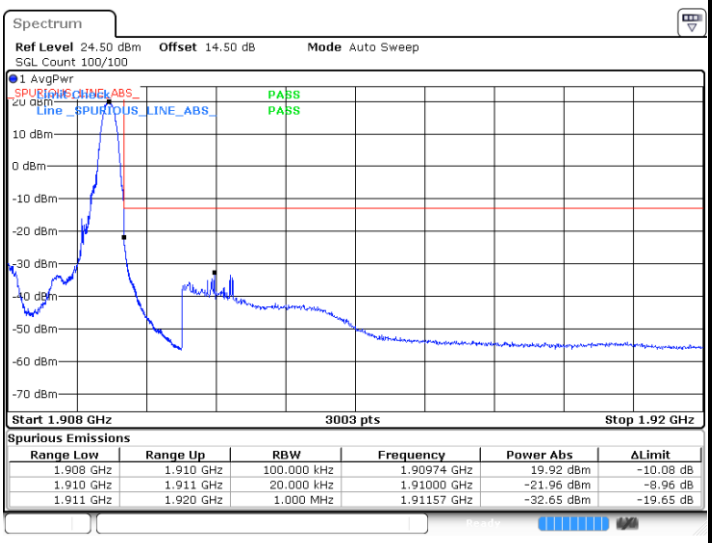


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84877 GHz	-33.00 dBm	-20.00 dB
1.849 GHz	1.850 GHz	20.000 kHz	1.85000 GHz	-23.68 dBm	-10.68 dB
1.850 GHz	1.852 GHz	100.000 kHz	1.85024 GHz	19.86 dBm	-10.14 dB

Date: 10.MAY.2023 11:25:27

Highest Band Edge / 1 RB

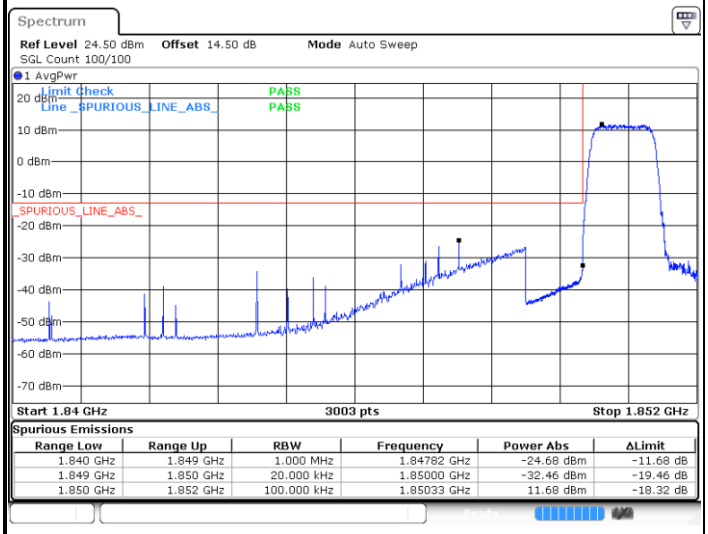


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.908 GHz	1.910 GHz	100.000 kHz	1.90974 GHz	19.92 dBm	-10.08 dB
1.910 GHz	1.911 GHz	20.000 kHz	1.91000 GHz	-21.96 dBm	-8.96 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91157 GHz	-32.65 dBm	-19.65 dB

Date: 10.MAY.2023 11:40:36

Lowest Band Edge / Full RB

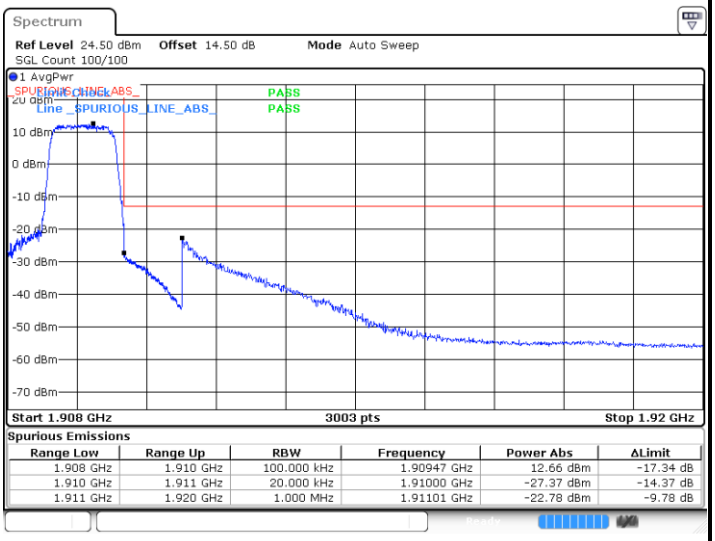


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84782 GHz	-24.68 dBm	-11.68 dB
1.849 GHz	1.850 GHz	20.000 kHz	1.85000 GHz	-32.46 dBm	-19.46 dB
1.850 GHz	1.852 GHz	100.000 kHz	1.85033 GHz	11.68 dBm	-18.32 dB

Date: 10.MAY.2023 11:28:16

Highest Band Edge / Full RB



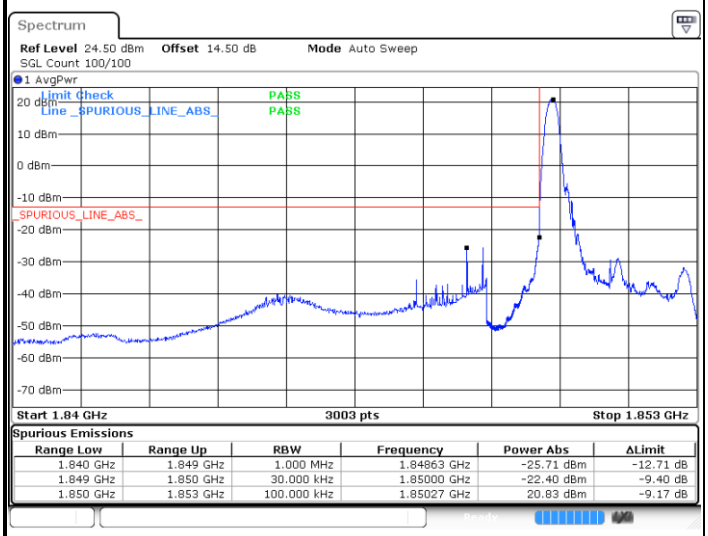
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.908 GHz	1.910 GHz	100.000 kHz	1.90947 GHz	12.66 dBm	-17.34 dB
1.910 GHz	1.911 GHz	20.000 kHz	1.91000 GHz	-27.37 dBm	-14.37 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91101 GHz	-22.78 dBm	-9.78 dB

Date: 10.MAY.2023 11:43:26

LTE Band 2 / 3MHz / QPSK

Lowest Band Edge / 1RB

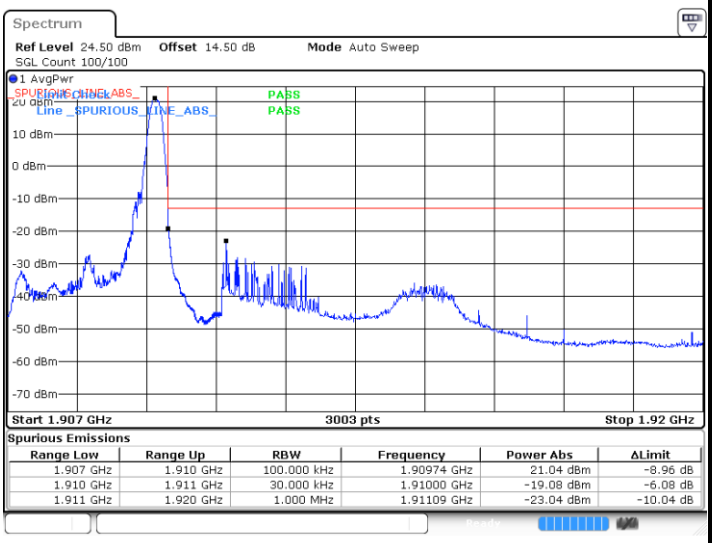


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84863 GHz	-25.71 dBm	-12.71 dB
1.849 GHz	1.850 GHz	30.000 kHz	1.85000 GHz	-22.40 dBm	-9.40 dB
1.850 GHz	1.853 GHz	100.000 kHz	1.85027 GHz	20.83 dBm	-9.17 dB

Date: 10.MAY.2023 09:37:02

Highest Band Edge / 1 RB

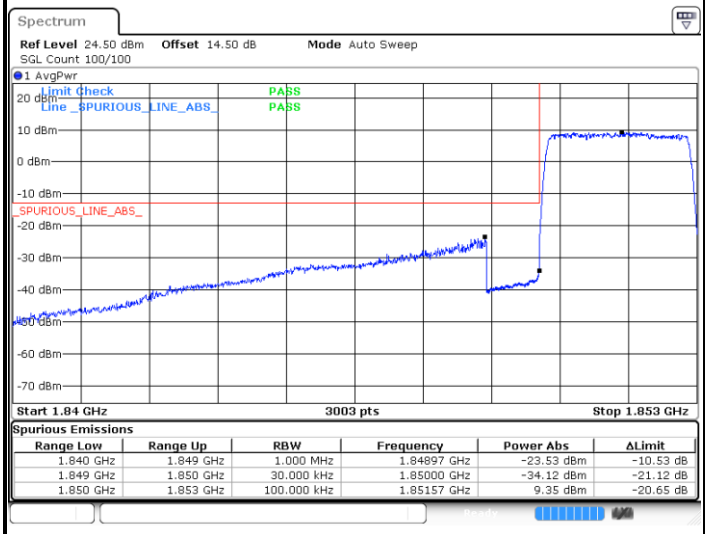


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.907 GHz	1.910 GHz	100.000 kHz	1.90974 GHz	21.04 dBm	-8.96 dB
1.910 GHz	1.911 GHz	30.000 kHz	1.91000 GHz	-19.08 dBm	-6.08 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91109 GHz	-23.04 dBm	-10.04 dB

Date: 10.MAY.2023 09:51:53

Lowest Band Edge / Full RB

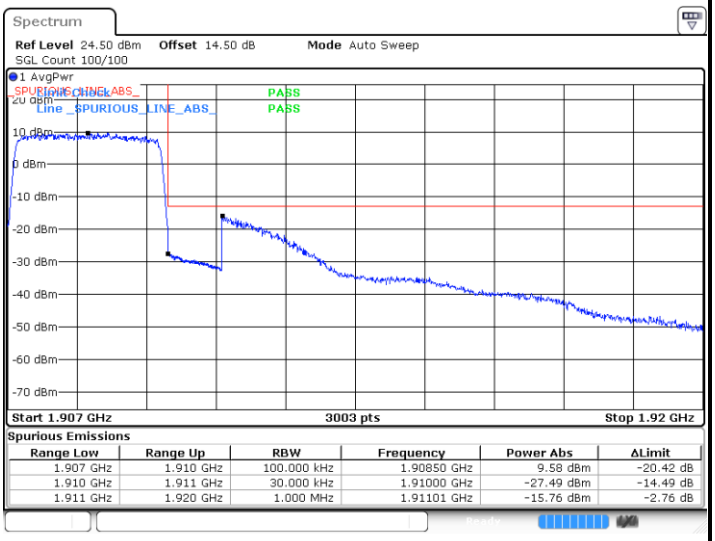


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84897 GHz	-23.53 dBm	-10.53 dB
1.849 GHz	1.850 GHz	30.000 kHz	1.85000 GHz	-34.12 dBm	-21.12 dB
1.850 GHz	1.853 GHz	100.000 kHz	1.85157 GHz	9.35 dBm	-20.65 dB

Date: 10.MAY.2023 09:40:11

Highest Band Edge / Full RB



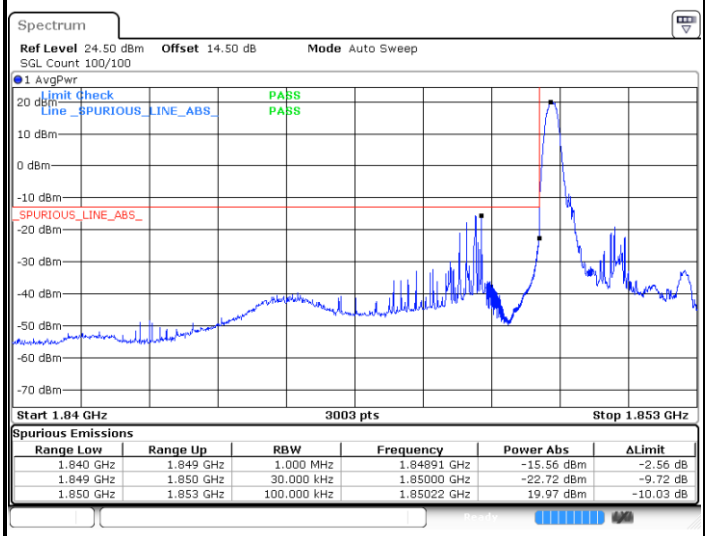
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.907 GHz	1.910 GHz	100.000 kHz	1.90850 GHz	9.58 dBm	-20.42 dB
1.910 GHz	1.911 GHz	30.000 kHz	1.91000 GHz	-27.49 dBm	-14.49 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91101 GHz	-15.76 dBm	-2.76 dB

Date: 10.MAY.2023 09:53:41

LTE Band 2 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

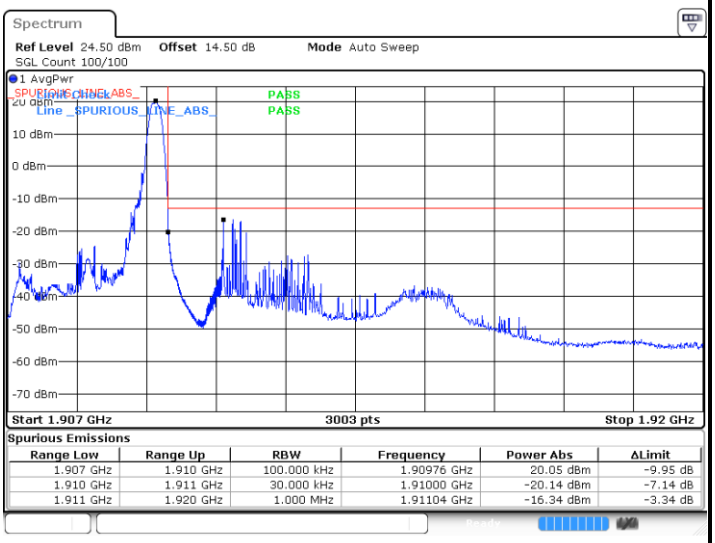


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84891 GHz	-15.56 dBm	-2.56 dB
1.849 GHz	1.850 GHz	30.000 kHz	1.85000 GHz	-22.72 dBm	-9.72 dB
1.850 GHz	1.853 GHz	100.000 kHz	1.85022 GHz	19.97 dBm	-10.03 dB

Date: 10.MAY.2023 09:38:37

Highest Band Edge /1 RB

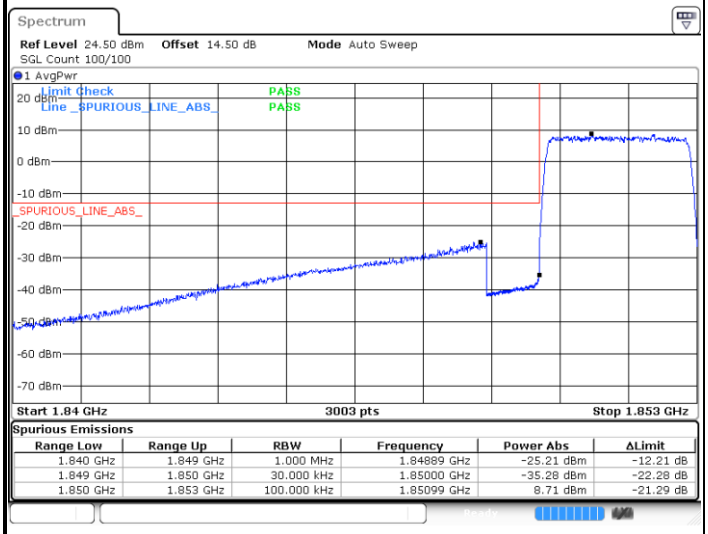


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.907 GHz	1.910 GHz	100.000 kHz	1.90976 GHz	20.05 dBm	-9.95 dB
1.910 GHz	1.911 GHz	30.000 kHz	1.91000 GHz	-20.14 dBm	-7.14 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91104 GHz	-16.34 dBm	-3.34 dB

Date: 10.MAY.2023 09:52:48

Lowest Band Edge / Full RB

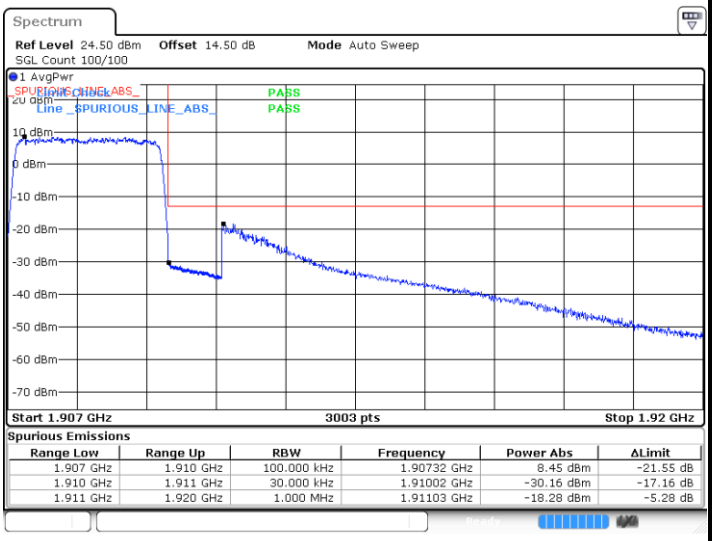


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84889 GHz	-25.21 dBm	-12.21 dB
1.849 GHz	1.850 GHz	30.000 kHz	1.85000 GHz	-35.28 dBm	-22.28 dB
1.850 GHz	1.853 GHz	100.000 kHz	1.85099 GHz	8.71 dBm	-21.29 dB

Date: 10.MAY.2023 09:41:45

Highest Band Edge / Full RB



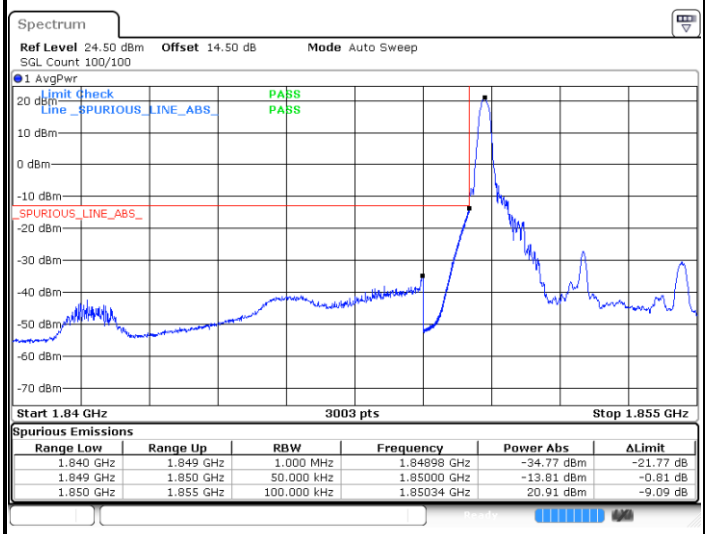
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.907 GHz	1.910 GHz	100.000 kHz	1.90732 GHz	8.45 dBm	-21.55 dB
1.910 GHz	1.911 GHz	30.000 kHz	1.91002 GHz	-30.16 dBm	-17.16 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91103 GHz	-18.28 dBm	-5.28 dB

Date: 10.MAY.2023 09:54:35

LTE Band 2 / 5MHz / QPSK

Lowest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84898 GHz	-34.77 dBm	-21.77 dB
1.849 GHz	1.850 GHz	50.000 kHz	1.85000 GHz	-13.81 dBm	-0.81 dB
1.850 GHz	1.855 GHz	100.000 kHz	1.85034 GHz	20.91 dBm	-9.09 dB

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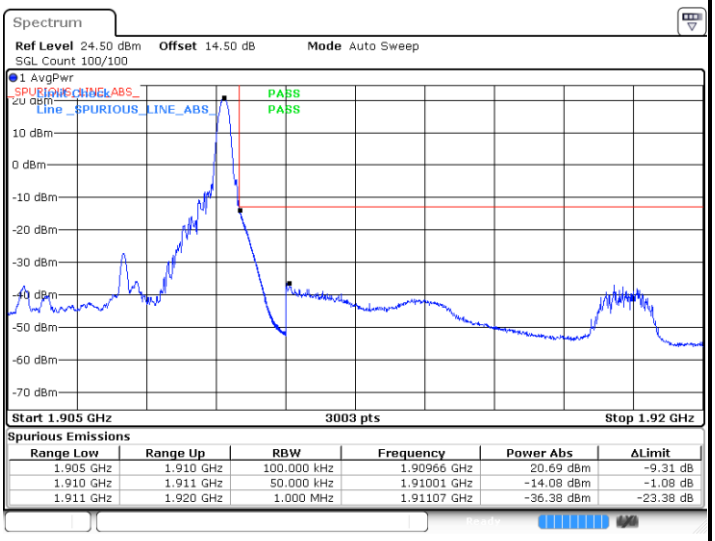
Highest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.905 GHz	1.910 GHz	100.000 kHz	1.90966 GHz	20.69 dBm	-9.31 dB
1.910 GHz	1.911 GHz	50.000 kHz	1.91001 GHz	-14.08 dBm	-1.08 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91107 GHz	-36.38 dBm	-23.38 dB

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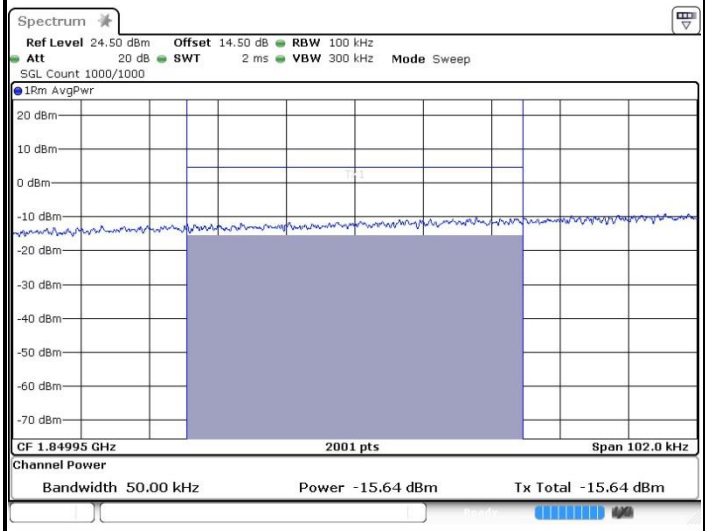

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