



FCC RF Test Report

APPLICANT : Motorola Mobility LLC
EQUIPMENT : Mobile Cellular Phone
BRAND NAME : Motorola
MODEL NAME : XT2517-1, XT2517-2, XT2517-3, XT2517V
FCC ID : IHDT56AT8
STANDARD : 47 CFR Part 24(E), 27(L)
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S) : Nov. 08, 2024 ~ Dec. 07, 2024

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

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

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

Jason Jia

Approved by: Jason Jia



Sporton International Inc. (Kunshan)

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



TABLE OF CONTENTS

REVISION HISTORY	3
SUMMARY OF TEST RESULT	4
1 GENERAL DESCRIPTION	5
1.1 Applicant	5
1.2 Manufacturer	5
1.3 Product Feature of Equipment Under Test	5
1.4 Product Specification of Equipment Under Test	6
1.5 Modification of EUT	6
1.6 Maximum EIRP Power and Emission Designator	7
1.7 Testing Location	8
1.8 Test Software	8
1.9 Applicable Standards	9
1.10 Specification of Accessory	9
2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST	10
2.1 Test Mode	10
2.2 Connection Diagram of Test System	11
2.3 Support Unit used in test configuration and system	11
2.4 Measurement Results Explanation Example	11
2.5 Frequency List of Low/Middle/High Channels	12
3 CONDUCTED TEST ITEMS	14
3.1 Measuring Instruments	14
3.2 Test Setup	14
3.3 Test Result of Conducted Test	14
3.4 Conducted Output Power and EIRP	15
3.5 Peak-to-Average Ratio	16
3.6 Occupied Bandwidth	17
3.7 Conducted Band Edge	18
3.8 Conducted Spurious Emission	19
3.9 Frequency Stability	20
4 RADIATED TEST ITEMS	21
4.1 Measuring Instruments	21
4.2 Test Setup	21
4.3 Test Result of Radiated Test	22
4.4 Radiated Spurious Emission	23
5 LIST OF MEASURING EQUIPMENT	24
6 MEASUREMENT UNCERTAINTY	25
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
FG4O3003B	Rev. 01	Initial issue of report	Dec. 20, 2024



SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	-	Report Only	-
	§24.232(c)	Equivalent Isotropic Radiated Power (Band 2) (Band 25)	EIRP < 2Watt		-
	§27.50(d)(4)	Equivalent Isotropic Radiated Power (Band 4) (Band 66)	EIRP < 1Watt		-
3.5	§24.232(d)	Peak-to-Average Ratio	<13 dB	PASS	-
3.6	§2.1049	Occupied Bandwidth	-	Report Only	-
3.7	§2.1051 §24.238(a) §27.53(h)	Conducted Band Edge Measurement (Band 2) (Band 4) (Band 25) (Band 66)	< 43+10log ₁₀ (P[Watts])	PASS	-
3.8	§2.1051 §24.238(a) §27.53(h)	Conducted Spurious Emission (Band 2) (Band 4) (Band 25) (Band 66)	< 43+10log ₁₀ (P[Watts])	PASS	-
3.9	§2.1055 §24.235 §27.54	Frequency Stability Temperature & Voltage	Within Authorized Band	PASS	-
4.4	§2.1053 §24.238(a) §27.53(h)	Radiated Spurious Emission (Band 2) (Band 4) (Band 25) (Band 66)	< 43+10log ₁₀ (P[Watts])	PASS	Under limit 40.66 dB at 7485.00 MHz

Conformity Assessment Condition:

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

Disclaimer:

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



1 General Description

1.1 Applicant

Motorola Mobility LLC

222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

1.2 Manufacturer

Motorola Mobility LLC

222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Cellular Phone
Brand Name	Motorola
Model Name	XT2517-1, XT2517-2, XT2517-3, XT2517V
FCC ID	IHDT56AT8
IMEI Code	Conducted: 358926210031872 Radiation: 358926210036111
HW Version	DVT2
SW Version	VVA35.34
EUT Stage	Identical Prototype

Remark: The four model name XT2517-1, XT2517-2, XT2517-3, XT2517V are the same product except model name different for market segment.

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 25 : 1850 MHz ~ 1915 MHz LTE Band 66 : 1710 MHz ~ 1780 MHz
Rx Frequency	LTE Band 2 : 1930 MHz ~ 1990 MHz LTE Band 4 : 2110 MHz ~ 2155 MHz LTE Band 25 : 1930 MHz ~ 1995 MHz LTE Band 66 : 2110 MHz ~ 2200 MHz
Bandwidth	LTE Band 2 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 4 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 25 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 66 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz
Maximum Output Power to Antenna	<ANT0>: LTE Band 2 : 22.75 dBm LTE Band 4 : 22.89 dBm LTE Band 25 : 22.78 dBm LTE Band 66 : 22.92 dBm <ANT1>: LTE Band 2 : 22.36 dBm LTE Band 4 : 22.50 dBm LTE Band 25 : 22.52 dBm LTE Band 66 : 22.65 dBm
Antenna Gain	<ANT0>: LTE Band 2 : -0.8 dBi LTE Band 4 : -0.8 dBi LTE Band 25 : -0.8 dBi LTE Band 66 : -0.8 dBi <ANT1>: LTE Band 2 : -1.0 dBi LTE Band 4 : -1.5 dBi LTE Band 25 : -1.0 dBi LTE Band 66 : -1.5 dBi
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM

Note :

1. The maximum EIRP is calculated from max output power and max antenna gain, so only the maximum EIRP of Antenna 0 is shown in the report.
2. The device supports two PAs for LTE Band 2/4/66, (main PA and other PA, other PA for ENDC_2/4/66A-n7A), both the PAs are full tested, only the worst EIRP are shown in the report.

1.5 Modification of EUT

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



1.6 Maximum EIRP Power and Emission Designator

LTE Band 2		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
1.4	1850.7 ~ 1909.3	0.1567	1M10G7D	0.1563	1M10W7D
3	1851.5 ~ 1908.5	0.1567	2M77G7D	0.1545	2M75W7D
5	1852.5 ~ 1907.5	0.1563	4M50G7D	0.1535	4M51W7D
10	1855.0 ~ 1905.0	0.1552	9M11G7D	0.1552	9M11W7D
15	1857.5 ~ 1902.5	0.1567	13M5G7D	0.1549	13M5W7D
20	1860.0 ~ 1900.0	0.1567	17M9G7D	0.1542	17M9W7D
LTE Band 25		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
1.4	1850.7 ~ 1914.3	0.1563	1M09G7D	0.1563	1M12W7D
3	1851.5 ~ 1913.5	0.1556	2M72G7D	0.1521	2M72W7D
5	1852.5 ~ 1912.5	0.1567	4M50G7D	0.1542	4M51W7D
10	1855.0 ~ 1910.0	0.1560	9M11G7D	0.1514	9M11W7D
15	1857.5 ~ 1907.5	0.1560	13M5G7D	0.1538	13M5W7D
20	1860.0 ~ 1905.0	0.1578	17M9G7D	0.1549	17M9W7D
LTE Band 4		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
1.4	1710.7 ~ 1754.3	0.1603	1M10G7D	0.1596	1M11W7D
3	1711.5 ~ 1753.5	0.1629	2M73G7D	0.1614	2M73W7D
5	1712.5 ~ 1752.5	0.1592	4M53G7D	0.1574	4M51W7D
10	1715.0 ~ 1750.0	0.1603	9M07G7D	0.1589	9M11W7D
15	1717.5 ~ 1747.5	0.1600	13M5G7D	0.1570	13M4W7D
20	1720.0 ~ 1745.0	0.1618	18M0G7D	0.1596	17M9W7D
LTE Band 66		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
1.4	1710.7 ~ 1779.3	0.1603	1M10G7D	0.1607	1M11W7D
3	1711.5 ~ 1778.5	0.1600	2M73G7D	0.1563	2M73W7D
5	1712.5 ~ 1777.5	0.1614	4M53G7D	0.1578	4M51W7D
10	1715.0 ~ 1775.0	0.1589	9M07G7D	0.1549	9M11W7D
15	1717.5 ~ 1772.5	0.1600	13M5G7D	0.1578	13M4W7D
20	1720.0 ~ 1770.0	0.1629	18M0G7D	0.1611	17M9W7D

Note:

1. LTE Band 25 overlaps the entire frequency range of LTE Band 2. Therefore, the test results provided in this report covers Band 25 as well as Band 2.



2. LTE Band 66 overlaps the entire frequency range of LTE Band 4. Therefore, the test results provided in this report covers Band 66 as well as Band 4.
3. All modulations have been tested, and only the worst test results of PSK & QAM are shown in the report.

1.7 Testing Location

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

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

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

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

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

1.8 Test Software

Item	Site	Manufacture	Name	Version
1.	03CH04-KS	AUDIX	E3	210616

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

Remark:

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

1.10 Specification of Accessory

Accessories Information				
Battery 1	Brand Name	Motorola(COSMX)	Model Name	RH50
Battery 2	Brand Name	Motorola(SUNWODA)	Model Name	RH50
USB Cable 1	Brand Name	LUXSHARE	Model Name	SC18E08103
USB Cable 2	Brand Name	Saibao	Model Name	SC18D86731
Stylus	Brand Name	Techson	Model Name	SO28E49329



2 Test Configuration of Equipment Under Test

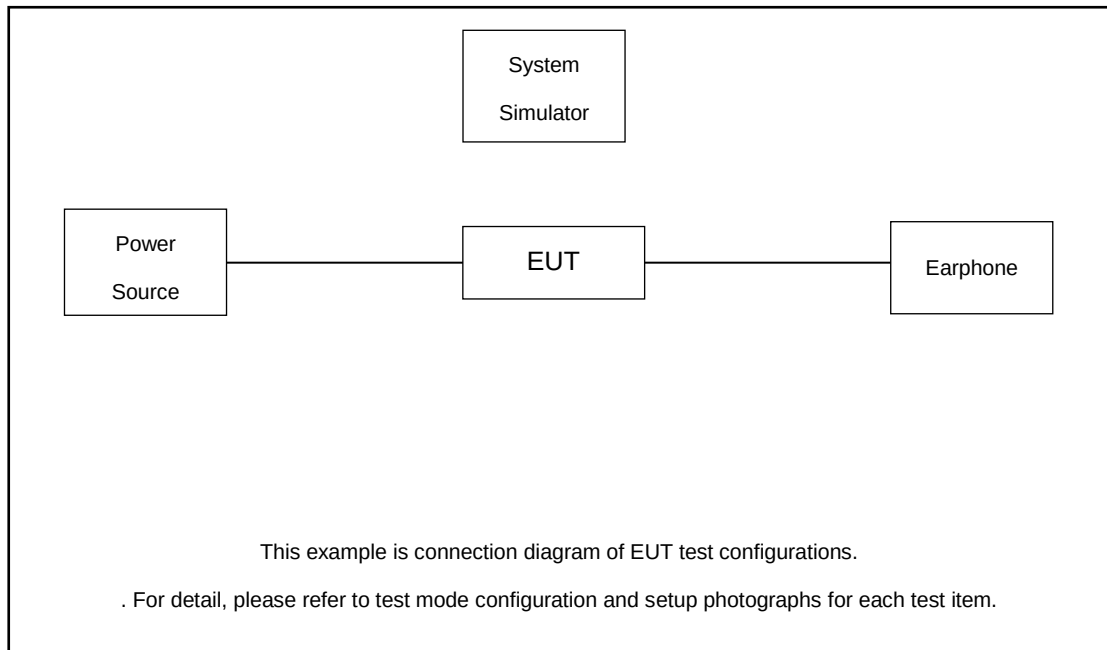
2.1 Test Mode

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. (X/Y Plane)

Test Items	Band	Bandwidth (MHz)						Modulation				RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16 QAM	64 QAM	256 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	v	v
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	25	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	66	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Peak-to-Ave rage Ratio	2						v	v	v	v				v		v	
	25						v	v	v	v				v		v	
	66						v	v	v	v				v		v	
26dB and 99% Bandwidth	2	v	v	v	v	v	v	v	v					v		v	
	25	v	v	v	v	v	v	v	v					v		v	
	66	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		v
	25	v	v	v	v	v	v	v	v	v		v		v	v		v
	66	v	v	v	v	v	v	v	v	v		v		v	v		v
Conducted Spurious Emission	2	v	v	v	v	v	v	v				v			v	v	v
	25	v	v	v	v	v	v	v				v			v	v	v
	66	v	v	v	v	v	v	v				v			v	v	v
Frequency Stability	2	v						v						v		v	
	25	v						v						v		v	
	66	v						v						v		v	
E.I.R.P	2	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	4	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	25	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	66	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Radiated Spurious Emission	2	Worst Case													v	v	v
	25	Worst Case													v	v	v
	66	Worst Case													v	v	v
Note	1. The mark “v ” means that this configuration is chosen for testing 2. The mark “-” means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. 4. For QAM modulation mode, the whole testing has assessed 16QAM&64QAM mode by referring to the higher conducted power.																

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

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

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 :

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



2.5 Frequency List of Low/Middle/High Channels

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

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



LTE Band 25 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	26140	26340	26590
	Frequency	1860	1880	1905
15	Channel	26115	26340	26615
	Frequency	1857.5	1880	1907.5
10	Channel	26090	26340	26640
	Frequency	1855	1880	1910
5	Channel	26065	26340	26665
	Frequency	1852.5	1880	1912.5
3	Channel	26055	26340	26675
	Frequency	1851.5	1880	1913.5
1.4	Channel	26047	26340	26683
	Frequency	1850.7	1880	1914.3

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

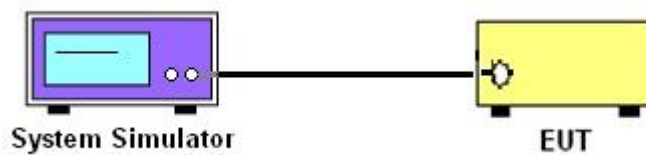
3 Conducted Test Items

3.1 Measuring Instruments

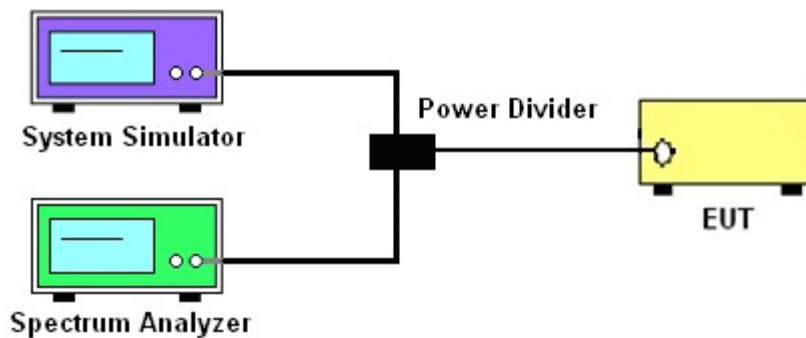
See list of measuring instruments of this test report.

3.2 Test Setup

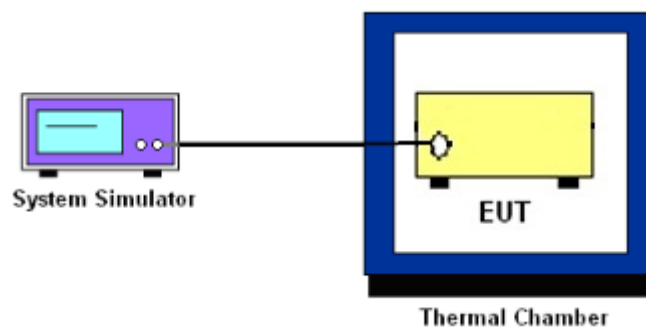
3.2.1 Conducted Output Power



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



3.2.3 Frequency Stability



3.3 Test Result of Conducted Test

Please refer to Appendix A.



3.4 Conducted Output Power and EIRP

3.4.1 Description of the Conducted Output Power Measurement and 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 EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 2 and Band 25 .

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

According to KDB 412172 D01 Power Approach,

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

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

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

3.4.2 Test Procedures

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



3.5 Peak-to-Average Ratio

3.5.1 Description of the PAR Measurement

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

3.5.2 Test Procedures

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

3.6 Occupied Bandwidth

3.6.1 Description of Occupied Bandwidth Measurement

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

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

3.6.2 Test Procedures

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

3.7 Conducted Band Edge

3.7.1 Description of Conducted Band Edge Measurement

24.238 (a)

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

27.53 (h)

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

3.7.2 Test Procedures

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

Example:

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

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

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

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

3.8 Conducted Spurious Emission

3.8.1 Description of Conducted Spurious Emission Measurement

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

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

3.8.2 Test Procedures

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

3.9 Frequency Stability

3.9.1 Description of Frequency Stability Measurement

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block.

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.

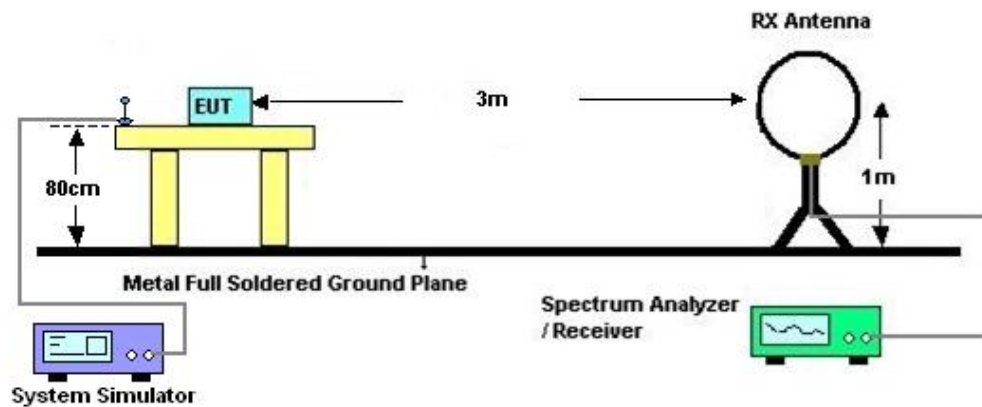
4 Radiated Test Items

4.1 Measuring Instruments

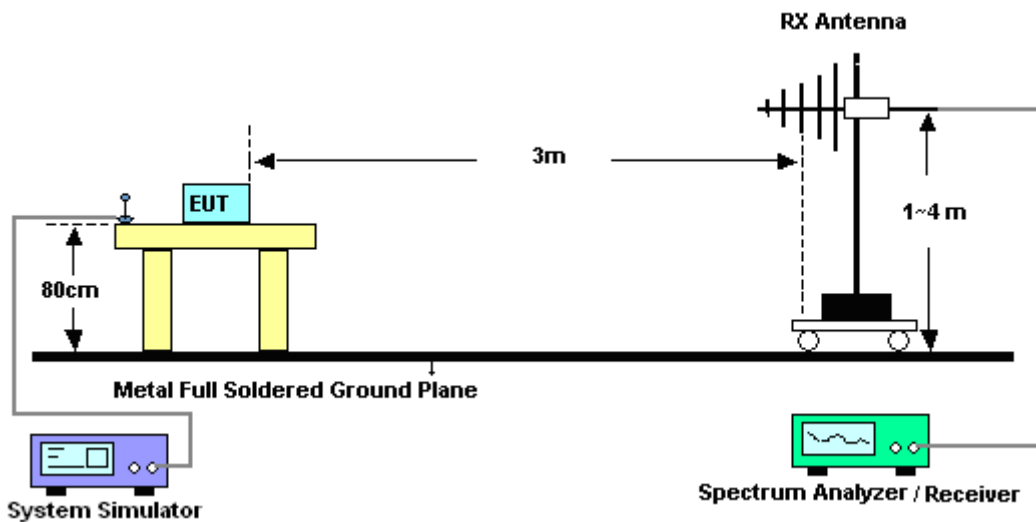
See list of measuring instruments of this test report.

4.2 Test Setup

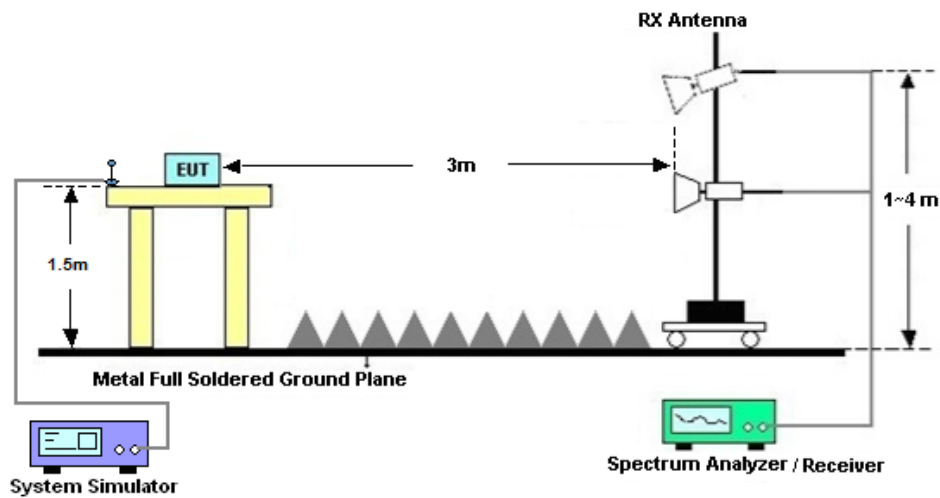
4.2.1 For radiated test below 30MHz



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. $EIRP \text{ (dBm)} = S.G. \text{ Power} - Tx \text{ Cable Loss} + Tx \text{ Antenna Gain}$
11. $ERP \text{ (dBm)} = EIRP - 2.15$
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

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

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

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

$= -13\text{dBm}.$



5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 09, 2024	Nov. 08, 2024~ Nov. 26, 2024	Apr. 08, 2025	Conducted (TH01-SZ)
DC Power Supply	TTI	PL330P	290070	Max 32V, 3A	Oct. 15, 2024	Nov. 08, 2024~ Nov. 26, 2024	Oct. 14, 2025	Conducted (TH01-SZ)
Power Divider	TOJOIN	PS-2SM-04 265	60.06.020.007 7	0.4GHz~26.5GHz	Dec. 25, 2023	Nov. 08, 2024~ Nov. 26, 2024	Dec. 24, 2024	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 03, 2024	Nov. 08, 2024~ Nov. 26, 2024	Jul. 02, 2025	Conducted (TH01-SZ)
EXA Spectrum Analyzer	Keysight	N9010A	MY55370528	10Hz-44G,MAX 30dB	Oct. 11, 2024	Dec. 07, 2024	Oct. 10, 2025	Radiation (03CH04-KS)
Loop Antenna	R&S	HFH2-Z2E	101125	9kHz~30MHz	Sep. 08, 2024	Dec. 07, 2024	Sep. 07, 2025	Radiation (03CH04-KS)
Bilog Antenna	TeseQ	CBL6111D	44483	30MHz-1GHz	Dec. 05, 2024	Dec. 07, 2024	Dec. 04, 2025	Radiation (03CH04-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00227860	1GHz~18GHz	Aug. 16, 2024	Dec. 07, 2024	Aug. 15, 2025	Radiation (03CH04-KS)
SHF-EHF Horn	Com-power	AH-840	101070	18GHz~40GHz	Jan. 27, 2024	Dec. 07, 2024	Jan. 26, 2025	Radiation (03CH04-KS)
Amplifier	SONOMA	310N	413740	9KHz-1GHz	Jan. 03, 2024	Dec. 07, 2024	Jan. 02, 2025	Radiation (03CH04-KS)
Amplifier	EM	EM18G40G A	060728	18~40GHz	Jan. 02, 2024	Dec. 07, 2024	Jan. 01, 2025	Radiation (03CH04-KS)
high gain Amplifier	EM	EM01G18G A	060840	1Ghz-18Ghz	Oct. 09, 2024	Dec. 07, 2024	Oct. 08, 2025	Radiation (03CH04-KS)
Amplifier	EM	EM01G18G A	060892	1Ghz-18Ghz	Oct. 09, 2024	Dec. 07, 2024	Oct. 08, 2025	Radiation (03CH04-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Dec. 07, 2024	NCR	Radiation (03CH04-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Dec. 07, 2024	NCR	Radiation (03CH04-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Dec. 07, 2024	NCR	Radiation (03CH04-KS)

NCR: No Calibration Required

6 Measurement Uncertainty

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

Uncertainty of Conducted Measurement

Test Item	Uncertainty
Conducted Spurious Emission & Bandedge	± 1.34 dB
Occupied Channel Bandwidth	± 0.012 MHz
Conducted Power	± 1.34 dB
Peak to Average Ratio	± 1.34 dB
Frequency Stability	± 1.3 Hz

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.83 dB
---	---------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.83 dB
---	---------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.82 dB
---	---------

----- THE END -----



Appendix A. Test Results of Conducted Test

Test Engineer :	Nina Cheng	Temperature :	24~26℃
		Relative Humidity :	50~53%

Conducted Output Power(Average power) and EIRP

LTE Band 2_ANT0:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				18700	18900	19100			
Frequency (MHz)				1860	1880	1900	L	M	H
20	QPSK	1	0	22.49	22.75	22.46	0.1476	0.1567	0.1466
20	QPSK	1	49	22.45	22.58	22.35	0.1462	0.1507	0.1429
20	QPSK	1	99	22.32	22.58	22.29	0.1419	0.1507	0.1409
20	QPSK	50	0	22.34	22.69	22.37	0.1426	0.1545	0.1435
20	QPSK	50	24	22.35	22.62	22.42	0.1429	0.1521	0.1452
20	QPSK	50	50	22.36	22.67	22.34	0.1432	0.1538	0.1426
20	QPSK	100	0	22.34	22.64	22.36	0.1426	0.1528	0.1432
20	16QAM	1	0	22.42	22.65	22.34	0.1452	0.1531	0.1426
20	16QAM	1	49	22.41	22.68	22.34	0.1449	0.1542	0.1426
20	16QAM	1	99	22.34	22.58	22.29	0.1426	0.1507	0.1409
20	16QAM	50	0	21.48	21.67	21.50	0.1169	0.1222	0.1175
20	16QAM	50	24	21.49	21.65	21.45	0.1172	0.1216	0.1161
20	16QAM	50	50	21.49	21.68	21.42	0.1172	0.1225	0.1153
20	16QAM	100	0	21.43	21.63	21.45	0.1156	0.1211	0.1161
20	64QAM	1	0	21.42	21.78	21.45	0.1153	0.1253	0.1161
20	64QAM	1	49	21.53	21.71	21.53	0.1183	0.1233	0.1183
20	64QAM	1	99	21.50	21.64	21.52	0.1175	0.1213	0.1180
20	64QAM	50	0	20.52	20.76	20.51	0.0938	0.0991	0.0935
20	64QAM	50	24	20.46	20.78	20.40	0.0925	0.0995	0.0912
20	64QAM	50	50	20.52	20.66	20.51	0.0938	0.0968	0.0935
20	64QAM	100	0	20.52	20.65	20.47	0.0938	0.0966	0.0927
20	256QAM	1	0	18.44	18.68	18.50	0.0581	0.0614	0.0589
20	256QAM	1	49	18.43	18.73	18.53	0.0579	0.0621	0.0593
20	256QAM	1	99	18.52	18.79	18.50	0.0592	0.0630	0.0589
20	256QAM	50	0	18.41	18.65	18.52	0.0577	0.0610	0.0592
20	256QAM	50	24	18.41	18.69	18.40	0.0577	0.0615	0.0575
20	256QAM	50	50	18.48	18.69	18.40	0.0586	0.0615	0.0575
20	256QAM	100	0	18.49	18.75	18.46	0.0587	0.0624	0.0583
Channel				18675	18900	19125	EIRP(W)		
Frequency (MHz)				1857.5	1880	1902.5	L	M	H



15	QPSK	1	0	22.54	22.68	22.41	0.1493	0.1542	0.1449
15	QPSK	1	37	22.50	22.58	22.30	0.1479	0.1507	0.1413
15	QPSK	1	74	22.26	22.51	22.34	0.1400	0.1483	0.1426
15	QPSK	36	0	22.31	22.75	22.41	0.1416	0.1567	0.1449
15	QPSK	36	20	22.28	22.55	22.50	0.1406	0.1496	0.1479
15	QPSK	36	39	22.32	22.71	22.33	0.1419	0.1552	0.1422
15	QPSK	75	0	22.26	22.64	22.41	0.1400	0.1528	0.1449
15	16QAM	1	0	22.35	22.70	22.37	0.1429	0.1549	0.1435
15	16QAM	1	37	22.41	22.66	22.39	0.1449	0.1535	0.1442
15	16QAM	1	74	22.32	22.53	22.37	0.1419	0.1489	0.1435
15	16QAM	36	0	21.44	21.66	21.57	0.1159	0.1219	0.1194
15	16QAM	36	20	21.41	21.65	21.37	0.1151	0.1216	0.1140
15	16QAM	36	39	21.49	21.65	21.39	0.1172	0.1216	0.1146
15	16QAM	75	0	21.43	21.60	21.45	0.1156	0.1202	0.1161
15	64QAM	1	0	21.42	21.72	21.45	0.1153	0.1236	0.1161
15	64QAM	1	37	21.59	21.69	21.52	0.1199	0.1227	0.1180
15	64QAM	1	74	21.46	21.65	21.50	0.1164	0.1216	0.1175
15	64QAM	36	0	20.46	20.83	20.45	0.0925	0.1007	0.0923
15	64QAM	36	20	20.51	20.84	20.43	0.0935	0.1009	0.0918
15	64QAM	36	39	20.55	20.59	20.56	0.0944	0.0953	0.0946
15	64QAM	75	0	20.55	20.68	20.44	0.0944	0.0973	0.0920
15	256QAM	1	0	18.49	18.66	18.46	0.0587	0.0611	0.0583
15	256QAM	1	37	18.39	18.69	18.60	0.0574	0.0615	0.0603
15	256QAM	1	74	18.54	18.82	18.43	0.0594	0.0634	0.0579
15	256QAM	36	0	18.45	18.66	18.51	0.0582	0.0611	0.0590
15	256QAM	36	20	18.45	18.65	18.45	0.0582	0.0610	0.0582
15	256QAM	36	39	18.43	18.63	18.46	0.0579	0.0607	0.0583
15	256QAM	75	0	18.50	18.83	18.40	0.0589	0.0635	0.0575
Channel				18650	18900	19150	EIRP(W)		
Frequency (MHz)				1855	1880	1905	L	M	H
10	QPSK	1	0	22.54	22.71	22.40	0.1493	0.1552	0.1445
10	QPSK	1	25	22.51	22.63	22.28	0.1483	0.1524	0.1406
10	QPSK	1	49	22.29	22.60	22.32	0.1409	0.1514	0.1419
10	QPSK	25	0	22.41	22.67	22.35	0.1449	0.1538	0.1429
10	QPSK	25	12	22.42	22.68	22.37	0.1452	0.1542	0.1435
10	QPSK	25	25	22.35	22.60	22.31	0.1429	0.1514	0.1416
10	QPSK	50	0	22.41	22.66	22.34	0.1449	0.1535	0.1426
10	16QAM	1	0	22.46	22.70	22.41	0.1466	0.1549	0.1449
10	16QAM	1	25	22.47	22.71	22.36	0.1469	0.1552	0.1432
10	16QAM	1	49	22.26	22.61	22.24	0.1400	0.1517	0.1393
10	16QAM	25	0	21.47	21.67	21.47	0.1167	0.1222	0.1167
10	16QAM	25	12	21.52	21.65	21.46	0.1180	0.1216	0.1164
10	16QAM	25	25	21.44	21.67	21.45	0.1159	0.1222	0.1161
10	16QAM	50	0	21.45	21.57	21.49	0.1161	0.1194	0.1172
10	64QAM	1	0	21.48	21.82	21.41	0.1169	0.1265	0.1151
10	64QAM	1	25	21.56	21.72	21.52	0.1191	0.1236	0.1180
10	64QAM	1	49	21.49	21.63	21.57	0.1172	0.1211	0.1194



10	64QAM	25	0	20.50	20.84	20.44	0.0933	0.1009	0.0920
10	64QAM	25	12	20.40	20.80	20.42	0.0912	0.1000	0.0916
10	64QAM	25	25	20.50	20.59	20.53	0.0933	0.0953	0.0940
10	64QAM	50	0	20.46	20.59	20.48	0.0925	0.0953	0.0929
10	256QAM	1	0	18.45	18.63	18.49	0.0582	0.0607	0.0587
10	256QAM	1	25	18.50	18.79	18.48	0.0589	0.0630	0.0586
10	256QAM	1	49	18.57	18.79	18.51	0.0598	0.0630	0.0590
10	256QAM	25	0	18.44	18.58	18.53	0.0581	0.0600	0.0593
10	256QAM	25	12	18.34	18.65	18.44	0.0568	0.0610	0.0581
10	256QAM	25	25	18.55	18.74	18.38	0.0596	0.0622	0.0573
10	256QAM	50	0	18.43	18.70	18.46	0.0579	0.0617	0.0583
Channel				18625	18900	19175	EIRP(W)		
Frequency (MHz)				1852.5	1880	1907.5	L	M	H
5	QPSK	1	0	22.52	22.70	22.53	0.1486	0.1549	0.1489
5	QPSK	1	12	22.40	22.64	22.36	0.1445	0.1528	0.1432
5	QPSK	1	24	22.25	22.61	22.35	0.1396	0.1517	0.1429
5	QPSK	12	0	22.41	22.74	22.32	0.1449	0.1563	0.1419
5	QPSK	12	7	22.35	22.67	22.48	0.1429	0.1538	0.1472
5	QPSK	12	13	22.42	22.72	22.38	0.1452	0.1556	0.1439
5	QPSK	25	0	22.37	22.60	22.39	0.1435	0.1514	0.1442
5	16QAM	1	0	22.43	22.63	22.30	0.1455	0.1524	0.1413
5	16QAM	1	12	22.35	22.66	22.28	0.1429	0.1535	0.1406
5	16QAM	1	24	22.35	22.64	22.30	0.1429	0.1528	0.1413
5	16QAM	12	0	21.45	21.73	21.50	0.1161	0.1239	0.1175
5	16QAM	12	7	21.51	21.72	21.47	0.1178	0.1236	0.1167
5	16QAM	12	13	21.54	21.64	21.37	0.1186	0.1213	0.1140
5	16QAM	25	0	21.39	21.57	21.46	0.1146	0.1194	0.1164
5	64QAM	1	0	21.40	21.73	21.51	0.1148	0.1239	0.1178
5	64QAM	1	12	21.53	21.72	21.52	0.1183	0.1236	0.1180
5	64QAM	1	24	21.52	21.65	21.55	0.1180	0.1216	0.1189
5	64QAM	12	0	20.48	20.77	20.54	0.0929	0.0993	0.0942
5	64QAM	12	7	20.49	20.75	20.39	0.0931	0.0989	0.0910
5	64QAM	12	13	20.57	20.69	20.52	0.0948	0.0975	0.0938
5	64QAM	25	0	20.45	20.66	20.41	0.0923	0.0968	0.0914
5	256QAM	1	0	18.45	18.67	18.45	0.0582	0.0612	0.0582
5	256QAM	1	12	18.43	18.76	18.49	0.0579	0.0625	0.0587
5	256QAM	1	24	18.49	18.74	18.53	0.0587	0.0622	0.0593
5	256QAM	12	0	18.48	18.65	18.54	0.0586	0.0610	0.0594
5	256QAM	12	7	18.34	18.73	18.44	0.0568	0.0621	0.0581
5	256QAM	12	13	18.45	18.69	18.35	0.0582	0.0615	0.0569
5	256QAM	25	0	18.53	18.67	18.49	0.0593	0.0612	0.0587
Channel				18615	18900	19185	EIRP(W)		
Frequency (MHz)				1851.5	1880	1908.5	L	M	H
3	QPSK	1	0	22.43	22.71	22.40	0.1455	0.1552	0.1445
3	QPSK	1	8	22.44	22.55	22.42	0.1459	0.1496	0.1452
3	QPSK	1	14	22.35	22.64	22.31	0.1429	0.1528	0.1416
3	QPSK	8	0	22.31	22.67	22.38	0.1416	0.1538	0.1439



3	QPSK	8	4	22.27	22.61	22.34	0.1403	0.1517	0.1426
3	QPSK	8	7	22.42	22.75	22.29	0.1452	0.1567	0.1409
3	QPSK	15	0	22.33	22.68	22.32	0.1422	0.1542	0.1419
3	16QAM	1	0	22.36	22.64	22.28	0.1432	0.1528	0.1406
3	16QAM	1	8	22.35	22.69	22.34	0.1429	0.1545	0.1426
3	16QAM	1	14	22.39	22.59	22.34	0.1442	0.1510	0.1426
3	16QAM	8	0	21.52	21.59	21.57	0.1180	0.1199	0.1194
3	16QAM	8	4	21.44	21.69	21.39	0.1159	0.1227	0.1146
3	16QAM	8	7	21.56	21.71	21.44	0.1191	0.1233	0.1159
3	16QAM	15	0	21.45	21.59	21.49	0.1161	0.1199	0.1172
3	64QAM	1	0	21.48	21.77	21.51	0.1169	0.1250	0.1178
3	64QAM	1	8	21.46	21.69	21.57	0.1164	0.1227	0.1194
3	64QAM	1	14	21.46	21.56	21.53	0.1164	0.1191	0.1183
3	64QAM	8	0	20.47	20.79	20.57	0.0927	0.0998	0.0948
3	64QAM	8	4	20.50	20.70	20.46	0.0933	0.0977	0.0925
3	64QAM	8	7	20.48	20.71	20.53	0.0929	0.0979	0.0940
3	64QAM	15	0	20.57	20.61	20.55	0.0948	0.0957	0.0944
3	256QAM	1	0	18.48	18.64	18.50	0.0586	0.0608	0.0589
3	256QAM	1	8	18.36	18.80	18.61	0.0570	0.0631	0.0604
3	256QAM	1	14	18.47	18.81	18.57	0.0585	0.0632	0.0598
3	256QAM	8	0	18.47	18.66	18.58	0.0585	0.0611	0.0600
3	256QAM	8	4	18.45	18.65	18.35	0.0582	0.0610	0.0569
3	256QAM	8	7	18.45	18.73	18.45	0.0582	0.0621	0.0582
3	256QAM	15	0	18.48	18.78	18.45	0.0586	0.0628	0.0582
Channel				18607	18900	19193	EIRP(W)		
Frequency (MHz)				1850.7	1880	1909.3	L	M	H
1.4	QPSK	1	0	22.49	22.68	22.45	0.1476	0.1542	0.1462
1.4	QPSK	1	3	22.43	22.69	22.51	0.1455	0.1545	0.1483
1.4	QPSK	1	5	22.47	22.69	22.49	0.1469	0.1545	0.1476
1.4	QPSK	3	0	22.45	22.70	22.38	0.1462	0.1549	0.1439
1.4	QPSK	3	1	22.48	22.64	22.53	0.1472	0.1528	0.1489
1.4	QPSK	3	3	22.54	22.75	22.46	0.1493	0.1567	0.1466
1.4	QPSK	6	0	22.49	22.74	22.41	0.1476	0.1563	0.1449
1.4	16QAM	1	0	22.56	22.74	22.49	0.1500	0.1563	0.1476
1.4	16QAM	1	3	22.54	22.70	22.48	0.1493	0.1549	0.1472
1.4	16QAM	1	5	22.45	22.65	22.46	0.1462	0.1531	0.1466
1.4	16QAM	3	0	22.43	22.69	22.41	0.1455	0.1545	0.1449
1.4	16QAM	3	1	22.52	22.71	22.40	0.1486	0.1552	0.1445
1.4	16QAM	3	3	22.44	22.69	22.46	0.1459	0.1545	0.1466
1.4	16QAM	6	0	21.66	21.94	21.71	0.1219	0.1300	0.1233
1.4	64QAM	1	0	21.45	21.76	21.67	0.1161	0.1247	0.1222
1.4	64QAM	1	3	21.66	21.95	21.62	0.1219	0.1303	0.1208
1.4	64QAM	1	5	21.65	21.89	21.69	0.1216	0.1285	0.1227
1.4	64QAM	3	0	21.60	21.88	21.44	0.1202	0.1282	0.1159
1.4	64QAM	3	1	21.52	21.72	21.44	0.1180	0.1236	0.1159
1.4	64QAM	3	3	21.74	21.75	21.52	0.1242	0.1245	0.1180
1.4	64QAM	6	0	20.66	20.89	20.57	0.0968	0.1021	0.0948



1.4	256QAM	1	0	18.57	18.79	18.63	0.0598	0.0630	0.0607
1.4	256QAM	1	3	18.63	18.96	18.66	0.0607	0.0655	0.0611
1.4	256QAM	1	5	18.59	18.71	18.56	0.0601	0.0618	0.0597
1.4	256QAM	3	0	18.50	18.88	18.70	0.0589	0.0643	0.0617
1.4	256QAM	3	1	18.60	18.77	18.60	0.0603	0.0627	0.0603
1.4	256QAM	3	3	18.73	18.70	18.59	0.0621	0.0617	0.0601
1.4	256QAM	6	0	18.44	18.92	18.52	0.0581	0.0649	0.0592

LTE Band 4_ANT0:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745	L	M	H
20	QPSK	1	0	22.77	22.89	22.87	0.1574	0.1618	0.1611
20	QPSK	1	49	22.71	22.87	22.79	0.1552	0.1611	0.1581
20	QPSK	1	99	22.71	22.87	22.72	0.1552	0.1611	0.1556
20	QPSK	50	0	22.62	22.88	22.69	0.1521	0.1614	0.1545
20	QPSK	50	24	22.74	22.79	22.85	0.1563	0.1581	0.1603
20	QPSK	50	50	22.62	22.82	22.70	0.1521	0.1592	0.1549
20	QPSK	100	0	22.74	22.86	22.84	0.1563	0.1607	0.1600
20	16QAM	1	0	22.60	22.71	22.80	0.1514	0.1552	0.1585
20	16QAM	1	49	22.66	22.81	22.78	0.1535	0.1589	0.1578
20	16QAM	1	99	22.66	22.78	22.83	0.1535	0.1578	0.1596
20	16QAM	50	0	21.91	21.78	21.75	0.1291	0.1253	0.1245
20	16QAM	50	24	21.84	21.88	22.02	0.1271	0.1282	0.1324
20	16QAM	50	50	21.76	21.90	21.78	0.1247	0.1288	0.1253
20	16QAM	100	0	21.68	22.02	21.77	0.1225	0.1324	0.1250
20	64QAM	1	0	21.62	21.74	21.82	0.1208	0.1242	0.1265
20	64QAM	1	49	21.64	22.04	21.92	0.1213	0.1330	0.1294
20	64QAM	1	99	21.75	21.95	21.73	0.1245	0.1303	0.1239
20	64QAM	50	0	20.91	20.86	20.73	0.1026	0.1014	0.0984
20	64QAM	50	24	20.91	20.75	20.90	0.1026	0.0989	0.1023
20	64QAM	50	50	20.79	20.83	20.73	0.0998	0.1007	0.0984
20	64QAM	100	0	20.75	20.99	20.84	0.0989	0.1045	0.1009
20	256QAM	1	0	18.73	18.95	18.92	0.0621	0.0653	0.0649
20	256QAM	1	49	18.90	18.80	18.97	0.0646	0.0631	0.0656
20	256QAM	1	99	18.72	18.81	18.77	0.0619	0.0632	0.0627
20	256QAM	50	0	18.69	18.84	18.75	0.0615	0.0637	0.0624
20	256QAM	50	24	18.77	18.78	19.01	0.0627	0.0628	0.0662
20	256QAM	50	50	18.83	18.86	18.89	0.0635	0.0640	0.0644
20	256QAM	100	0	18.78	18.97	18.86	0.0628	0.0656	0.0640
Channel				20025	20175	20325	EIRP(W)		
Frequency (MHz)				1717.5	1732.5	1747.5	L	M	H
15	QPSK	1	0	22.66	22.77	22.70	0.1535	0.1574	0.1549
15	QPSK	1	37	22.54	22.84	22.71	0.1493	0.1600	0.1552



15	QPSK	1	74	22.64	22.79	22.57	0.1528	0.1581	0.1503
15	QPSK	36	0	22.52	22.84	22.54	0.1486	0.1600	0.1493
15	QPSK	36	20	22.64	22.70	22.76	0.1528	0.1549	0.1570
15	QPSK	36	39	22.59	22.76	22.59	0.1510	0.1570	0.1510
15	QPSK	75	0	22.71	22.70	22.77	0.1552	0.1549	0.1574
15	16QAM	1	0	22.54	22.53	22.68	0.1493	0.1489	0.1542
15	16QAM	1	37	22.53	22.73	22.71	0.1489	0.1560	0.1552
15	16QAM	1	74	22.52	22.68	22.76	0.1486	0.1542	0.1570
15	16QAM	36	0	21.82	21.71	21.63	0.1265	0.1233	0.1211
15	16QAM	36	20	21.79	21.81	21.99	0.1256	0.1262	0.1315
15	16QAM	36	39	21.64	21.76	21.61	0.1213	0.1247	0.1205
15	16QAM	75	0	21.50	21.91	21.73	0.1175	0.1291	0.1239
15	64QAM	1	0	21.51	21.63	21.76	0.1178	0.1211	0.1247
15	64QAM	1	37	21.61	21.89	21.78	0.1205	0.1285	0.1253
15	64QAM	1	74	21.57	21.89	21.70	0.1194	0.1285	0.1230
15	64QAM	36	0	20.81	20.80	20.67	0.1002	0.1000	0.0971
15	64QAM	36	20	20.84	20.61	20.88	0.1009	0.0957	0.1019
15	64QAM	36	39	20.63	20.81	20.69	0.0962	0.1002	0.0975
15	64QAM	75	0	20.72	20.84	20.74	0.0982	0.1009	0.0986
15	256QAM	1	0	18.60	18.92	18.76	0.0603	0.0649	0.0625
15	256QAM	1	37	18.81	18.65	18.80	0.0632	0.0610	0.0631
15	256QAM	1	74	18.56	18.76	18.74	0.0597	0.0625	0.0622
15	256QAM	36	0	18.63	18.67	18.71	0.0607	0.0612	0.0618
15	256QAM	36	20	18.67	18.66	18.97	0.0612	0.0611	0.0656
15	256QAM	36	39	18.78	18.76	18.76	0.0628	0.0625	0.0625
15	256QAM	75	0	18.64	18.92	18.73	0.0608	0.0649	0.0621
Channel				20000	20175	20350	EIRP(W)		
Frequency (MHz)				1715	1732.5	1750	L	M	H
10	QPSK	1	0	22.74	22.72	22.79	0.1563	0.1556	0.1581
10	QPSK	1	25	22.64	22.74	22.63	0.1528	0.1563	0.1524
10	QPSK	1	49	22.68	22.85	22.65	0.1542	0.1603	0.1531
10	QPSK	25	0	22.46	22.76	22.56	0.1466	0.1570	0.1500
10	QPSK	25	12	22.68	22.65	22.79	0.1542	0.1531	0.1581
10	QPSK	25	25	22.57	22.71	22.60	0.1503	0.1552	0.1514
10	QPSK	50	0	22.71	22.76	22.70	0.1552	0.1570	0.1549
10	16QAM	1	0	22.56	22.68	22.75	0.1500	0.1542	0.1567
10	16QAM	1	25	22.61	22.68	22.76	0.1517	0.1542	0.1570
10	16QAM	1	49	22.54	22.69	22.81	0.1493	0.1545	0.1589
10	16QAM	25	0	21.81	21.71	21.62	0.1262	0.1233	0.1208
10	16QAM	25	12	21.69	21.77	21.96	0.1227	0.1250	0.1306
10	16QAM	25	25	21.67	21.79	21.67	0.1222	0.1256	0.1222
10	16QAM	50	0	21.54	21.90	21.60	0.1186	0.1288	0.1202
10	64QAM	1	0	21.49	21.63	21.66	0.1172	0.1211	0.1219
10	64QAM	1	25	21.54	21.88	21.78	0.1186	0.1282	0.1253
10	64QAM	1	49	21.66	21.93	21.66	0.1219	0.1297	0.1219
10	64QAM	25	0	20.83	20.76	20.68	0.1007	0.0991	0.0973
10	64QAM	25	12	20.86	20.70	20.75	0.1014	0.0977	0.0989



10	64QAM	25	25	20.71	20.81	20.66	0.0979	0.1002	0.0968
10	64QAM	50	0	20.66	20.84	20.81	0.0968	0.1009	0.1002
10	256QAM	1	0	18.63	18.93	18.84	0.0607	0.0650	0.0637
10	256QAM	1	25	18.84	18.77	18.82	0.0637	0.0627	0.0634
10	256QAM	1	49	18.65	18.66	18.62	0.0610	0.0611	0.0605
10	256QAM	25	0	18.51	18.76	18.71	0.0590	0.0625	0.0618
10	256QAM	25	12	18.65	18.73	18.84	0.0610	0.0621	0.0637
10	256QAM	25	25	18.66	18.81	18.78	0.0611	0.0632	0.0628
10	256QAM	50	0	18.75	18.83	18.82	0.0624	0.0635	0.0634
Channel				19975	20175	20375	EIRP(W)		
Frequency (MHz)				1712.5	1732.5	1752.5	L	M	H
5	QPSK	1	0	22.62	22.74	22.71	0.1521	0.1563	0.1552
5	QPSK	1	12	22.69	22.76	22.73	0.1545	0.1570	0.1560
5	QPSK	1	24	22.63	22.73	22.56	0.1524	0.1560	0.1500
5	QPSK	12	0	22.51	22.73	22.66	0.1483	0.1560	0.1535
5	QPSK	12	7	22.72	22.72	22.82	0.1556	0.1556	0.1592
5	QPSK	12	13	22.50	22.64	22.59	0.1479	0.1528	0.1510
5	QPSK	25	0	22.64	22.74	22.69	0.1528	0.1563	0.1545
5	16QAM	1	0	22.53	22.62	22.77	0.1489	0.1521	0.1574
5	16QAM	1	12	22.49	22.77	22.73	0.1476	0.1574	0.1560
5	16QAM	1	24	22.54	22.71	22.72	0.1493	0.1552	0.1556
5	16QAM	12	0	21.76	21.73	21.71	0.1247	0.1239	0.1233
5	16QAM	12	7	21.72	21.80	21.98	0.1236	0.1259	0.1312
5	16QAM	12	13	21.64	21.78	21.62	0.1213	0.1253	0.1208
5	16QAM	25	0	21.54	22.00	21.69	0.1186	0.1318	0.1227
5	64QAM	1	0	21.49	21.64	21.69	0.1172	0.1213	0.1227
5	64QAM	1	12	21.53	21.96	21.78	0.1183	0.1306	0.1253
5	64QAM	1	24	21.61	21.80	21.69	0.1205	0.1259	0.1227
5	64QAM	12	0	20.78	20.81	20.56	0.0995	0.1002	0.0946
5	64QAM	12	7	20.87	20.58	20.80	0.1016	0.0951	0.1000
5	64QAM	12	13	20.69	20.72	20.66	0.0975	0.0982	0.0968
5	64QAM	25	0	20.62	20.97	20.76	0.0959	0.1040	0.0991
5	256QAM	1	0	18.57	18.81	18.88	0.0598	0.0632	0.0643
5	256QAM	1	12	18.80	18.77	18.80	0.0631	0.0627	0.0631
5	256QAM	1	24	18.69	18.69	18.59	0.0615	0.0615	0.0601
5	256QAM	12	0	18.63	18.72	18.69	0.0607	0.0619	0.0615
5	256QAM	12	7	18.65	18.73	18.86	0.0610	0.0621	0.0640
5	256QAM	12	13	18.81	18.73	18.75	0.0632	0.0621	0.0624
5	256QAM	25	0	18.70	18.89	18.71	0.0617	0.0644	0.0618
Channel				19965	20175	20385	EIRP(W)		
Frequency (MHz)				1711.5	1732.5	1753.5	L	M	H
3	QPSK	1	0	22.84	22.85	22.87	0.1600	0.1603	0.1611
3	QPSK	1	8	22.67	22.92	22.74	0.1538	0.1629	0.1563
3	QPSK	1	14	22.77	22.90	22.69	0.1574	0.1622	0.1545
3	QPSK	8	0	22.66	22.82	22.68	0.1535	0.1592	0.1542
3	QPSK	8	4	22.69	22.85	22.89	0.1545	0.1603	0.1618
3	QPSK	8	7	22.59	22.76	22.68	0.1510	0.1570	0.1542



3	QPSK	15	0	22.73	22.90	22.91	0.1560	0.1622	0.1626
3	16QAM	1	0	22.67	22.76	22.81	0.1538	0.1570	0.1589
3	16QAM	1	8	22.69	22.84	22.76	0.1545	0.1600	0.1570
3	16QAM	1	14	22.62	22.79	22.88	0.1521	0.1581	0.1614
3	16QAM	8	0	21.95	21.76	21.79	0.1303	0.1247	0.1256
3	16QAM	8	4	21.76	21.83	22.06	0.1247	0.1268	0.1337
3	16QAM	8	7	21.69	21.91	21.83	0.1227	0.1291	0.1268
3	16QAM	15	0	21.60	22.05	21.75	0.1202	0.1334	0.1245
3	64QAM	1	0	21.70	21.81	21.89	0.1230	0.1262	0.1285
3	64QAM	1	8	21.70	22.11	21.97	0.1230	0.1352	0.1309
3	64QAM	1	14	21.69	21.96	21.72	0.1227	0.1306	0.1236
3	64QAM	8	0	20.86	20.80	20.75	0.1014	0.1000	0.0989
3	64QAM	8	4	20.96	20.67	20.92	0.1038	0.0971	0.1028
3	64QAM	8	7	20.83	20.86	20.69	0.1007	0.1014	0.0975
3	64QAM	15	0	20.72	20.92	20.84	0.0982	0.1028	0.1009
3	256QAM	1	0	18.71	18.92	18.93	0.0618	0.0649	0.0650
3	256QAM	1	8	18.85	18.86	18.98	0.0638	0.0640	0.0658
3	256QAM	1	14	18.74	18.74	18.70	0.0622	0.0622	0.0617
3	256QAM	8	0	18.72	18.92	18.78	0.0619	0.0649	0.0628
3	256QAM	8	4	18.74	18.78	18.94	0.0622	0.0628	0.0652
3	256QAM	8	7	18.77	18.93	18.83	0.0627	0.0650	0.0635
3	256QAM	15	0	18.79	18.96	18.81	0.0630	0.0655	0.0632
Channel				19950	20175	20393	EIRP(W)		
Frequency (MHz)				1710	1732.5	1754.3	L	M	H
1.4	QPSK	1	0	22.61	22.85	22.83	0.1517	0.1603	0.1596
1.4	QPSK	1	3	22.60	22.78	22.73	0.1514	0.1578	0.1560
1.4	QPSK	1	5	22.64	22.81	22.79	0.1528	0.1589	0.1581
1.4	QPSK	3	0	22.65	22.73	22.75	0.1531	0.1560	0.1567
1.4	QPSK	3	1	22.70	22.77	22.75	0.1549	0.1574	0.1567
1.4	QPSK	3	3	22.74	22.76	22.85	0.1563	0.1570	0.1603
1.4	QPSK	6	0	22.66	22.75	22.69	0.1535	0.1567	0.1545
1.4	16QAM	1	0	22.64	22.72	22.75	0.1528	0.1556	0.1567
1.4	16QAM	1	3	22.68	22.77	22.79	0.1542	0.1574	0.1581
1.4	16QAM	1	5	22.70	22.79	22.76	0.1549	0.1581	0.1570
1.4	16QAM	3	0	22.73	22.83	22.70	0.1560	0.1596	0.1549
1.4	16QAM	3	1	22.72	22.72	22.74	0.1556	0.1556	0.1563
1.4	16QAM	3	3	22.72	22.76	22.73	0.1556	0.1570	0.1560
1.4	16QAM	6	0	21.79	21.75	21.87	0.1256	0.1245	0.1279
1.4	64QAM	1	0	21.72	21.90	21.75	0.1236	0.1288	0.1245
1.4	64QAM	1	3	21.68	21.90	21.97	0.1225	0.1288	0.1309
1.4	64QAM	1	5	21.89	21.87	21.80	0.1285	0.1279	0.1259
1.4	64QAM	3	0	21.84	22.00	21.88	0.1271	0.1318	0.1282
1.4	64QAM	3	1	21.76	21.81	21.72	0.1247	0.1262	0.1236
1.4	64QAM	3	3	21.72	21.99	22.00	0.1236	0.1315	0.1318
1.4	64QAM	6	0	20.68	20.98	20.98	0.0973	0.1042	0.1042
1.4	256QAM	1	0	18.83	18.78	18.84	0.0635	0.0628	0.0637
1.4	256QAM	1	3	18.87	19.03	18.76	0.0641	0.0665	0.0625



1.4	256QAM	1	5	18.90	19.00	18.75	0.0646	0.0661	0.0624
1.4	256QAM	3	0	18.79	18.87	18.88	0.0630	0.0641	0.0643
1.4	256QAM	3	1	18.63	18.76	18.95	0.0607	0.0625	0.0653
1.4	256QAM	3	3	18.75	18.99	18.87	0.0624	0.0659	0.0641
1.4	256QAM	6	0	18.70	18.87	18.98	0.0617	0.0641	0.0658

LTE Band 25_ANT0:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				26140	26340	26590	L M H		
Frequency (MHz)				1860	1880	1905			
20	QPSK	1	0	22.74	22.78	22.75	0.1563	0.1578	0.1567
20	QPSK	1	49	22.63	22.69	22.60	0.1524	0.1545	0.1514
20	QPSK	1	99	22.64	22.72	22.67	0.1528	0.1556	0.1538
20	QPSK	50	0	22.68	22.77	22.64	0.1542	0.1574	0.1528
20	QPSK	50	24	22.60	22.76	22.68	0.1514	0.1570	0.1542
20	QPSK	50	50	22.69	22.75	22.63	0.1545	0.1567	0.1524
20	QPSK	100	0	22.70	22.71	22.58	0.1549	0.1552	0.1507
20	16QAM	1	0	22.59	22.70	22.70	0.1510	0.1549	0.1549
20	16QAM	1	49	22.65	22.64	22.62	0.1531	0.1528	0.1521
20	16QAM	1	99	22.70	22.68	22.65	0.1549	0.1542	0.1531
20	16QAM	50	0	21.79	21.79	21.81	0.1256	0.1256	0.1262
20	16QAM	50	24	21.72	21.75	21.85	0.1236	0.1245	0.1274
20	16QAM	50	50	21.77	21.89	21.76	0.1250	0.1285	0.1247
20	16QAM	100	0	21.62	21.69	21.86	0.1208	0.1227	0.1276
20	64QAM	1	0	21.76	21.64	21.81	0.1247	0.1213	0.1262
20	64QAM	1	49	21.64	21.92	21.81	0.1213	0.1294	0.1262
20	64QAM	1	99	21.72	21.88	21.82	0.1236	0.1282	0.1265
20	64QAM	50	0	20.85	20.79	20.75	0.1012	0.0998	0.0989
20	64QAM	50	24	20.76	20.89	20.69	0.0991	0.1021	0.0975
20	64QAM	50	50	20.79	20.83	20.80	0.0998	0.1007	0.1000
20	64QAM	100	0	20.65	20.70	20.83	0.0966	0.0977	0.1007
20	256QAM	1	0	18.71	18.81	18.80	0.0618	0.0632	0.0631
20	256QAM	1	49	18.76	18.84	18.71	0.0625	0.0637	0.0618
20	256QAM	1	99	18.78	18.68	18.64	0.0628	0.0614	0.0608
20	256QAM	50	0	18.61	18.76	18.87	0.0604	0.0625	0.0641
20	256QAM	50	24	18.67	18.87	18.74	0.0612	0.0641	0.0622
20	256QAM	50	50	18.59	18.87	18.70	0.0601	0.0641	0.0617
20	256QAM	100	0	18.88	18.86	18.68	0.0643	0.0640	0.0614
Channel				26115	26340	26615	L M H		
Frequency (MHz)				1857.5	1880	1907.5			
15	QPSK	1	0	22.67	22.73	22.71	0.1538	0.1560	0.1552
15	QPSK	1	37	22.54	22.51	22.56	0.1493	0.1483	0.1500
15	QPSK	1	74	22.53	22.65	22.55	0.1489	0.1531	0.1496
15	QPSK	36	0	22.54	22.70	22.56	0.1493	0.1549	0.1500



15	QPSK	36	20	22.50	22.63	22.61	0.1479	0.1524	0.1517
15	QPSK	36	39	22.53	22.63	22.47	0.1489	0.1524	0.1469
15	QPSK	75	0	22.62	22.62	22.54	0.1521	0.1521	0.1493
15	16QAM	1	0	22.52	22.67	22.63	0.1486	0.1538	0.1524
15	16QAM	1	37	22.48	22.50	22.45	0.1472	0.1479	0.1462
15	16QAM	1	74	22.67	22.57	22.60	0.1538	0.1503	0.1514
15	16QAM	36	0	21.71	21.72	21.78	0.1233	0.1236	0.1253
15	16QAM	36	20	21.61	21.59	21.72	0.1205	0.1199	0.1236
15	16QAM	36	39	21.65	21.78	21.73	0.1216	0.1253	0.1239
15	16QAM	75	0	21.53	21.55	21.82	0.1183	0.1189	0.1265
15	64QAM	1	0	21.65	21.58	21.67	0.1216	0.1197	0.1222
15	64QAM	1	37	21.47	21.85	21.78	0.1167	0.1274	0.1253
15	64QAM	1	74	21.64	21.85	21.73	0.1213	0.1274	0.1239
15	64QAM	36	0	20.82	20.63	20.59	0.1005	0.0962	0.0953
15	64QAM	36	20	20.70	20.72	20.57	0.0977	0.0982	0.0948
15	64QAM	36	39	20.75	20.77	20.70	0.0989	0.0993	0.0977
15	64QAM	75	0	20.49	20.55	20.78	0.0931	0.0944	0.0995
15	256QAM	1	0	18.58	18.68	18.72	0.0600	0.0614	0.0619
15	256QAM	1	37	18.64	18.71	18.56	0.0608	0.0618	0.0597
15	256QAM	1	74	18.70	18.53	18.60	0.0617	0.0593	0.0603
15	256QAM	36	0	18.52	18.71	18.85	0.0592	0.0618	0.0638
15	256QAM	36	20	18.56	18.82	18.62	0.0597	0.0634	0.0605
15	256QAM	36	39	18.53	18.80	18.56	0.0593	0.0631	0.0597
15	256QAM	75	0	18.74	18.81	18.54	0.0622	0.0632	0.0594
Channel				26090	26340	26640	EIRP(W)		
Frequency (MHz)				1855	1880	1910	L	M	H
10	QPSK	1	0	22.61	22.73	22.71	0.1517	0.1560	0.1552
10	QPSK	1	25	22.46	22.64	22.48	0.1466	0.1528	0.1472
10	QPSK	1	49	22.59	22.64	22.61	0.1510	0.1528	0.1517
10	QPSK	25	0	22.61	22.61	22.51	0.1517	0.1517	0.1483
10	QPSK	25	12	22.56	22.71	22.64	0.1500	0.1552	0.1528
10	QPSK	25	25	22.53	22.65	22.55	0.1489	0.1531	0.1496
10	QPSK	50	0	22.62	22.63	22.42	0.1521	0.1524	0.1452
10	16QAM	1	0	22.53	22.52	22.56	0.1489	0.1486	0.1500
10	16QAM	1	25	22.58	22.60	22.48	0.1507	0.1514	0.1472
10	16QAM	1	49	22.60	22.60	22.59	0.1514	0.1514	0.1510
10	16QAM	25	0	21.66	21.73	21.78	0.1219	0.1239	0.1253
10	16QAM	25	12	21.60	21.64	21.81	0.1202	0.1213	0.1262
10	16QAM	25	25	21.72	21.79	21.64	0.1236	0.1256	0.1213
10	16QAM	50	0	21.56	21.65	21.79	0.1191	0.1216	0.1256
10	64QAM	1	0	21.72	21.50	21.63	0.1236	0.1175	0.1211
10	64QAM	1	25	21.50	21.89	21.68	0.1175	0.1285	0.1225
10	64QAM	1	49	21.70	21.82	21.76	0.1230	0.1265	0.1247
10	64QAM	25	0	20.72	20.63	20.65	0.0982	0.0962	0.0966
10	64QAM	25	12	20.62	20.86	20.60	0.0959	0.1014	0.0955
10	64QAM	25	25	20.63	20.76	20.66	0.0962	0.0991	0.0968
10	64QAM	50	0	20.58	20.60	20.71	0.0951	0.0955	0.0979



10	256QAM	1	0	18.54	18.77	18.75	0.0594	0.0627	0.0624
10	256QAM	1	25	18.69	18.67	18.61	0.0615	0.0612	0.0604
10	256QAM	1	49	18.76	18.64	18.48	0.0625	0.0608	0.0586
10	256QAM	25	0	18.45	18.59	18.83	0.0582	0.0601	0.0635
10	256QAM	25	12	18.63	18.70	18.64	0.0607	0.0617	0.0608
10	256QAM	25	25	18.50	18.80	18.63	0.0589	0.0631	0.0607
10	256QAM	50	0	18.78	18.76	18.63	0.0628	0.0625	0.0607
Channel				26065	26340	26665	EIRP(W)		
Frequency (MHz)				1852.5	1880	1912.5	L	M	H
5	QPSK	1	0	22.65	22.75	22.58	0.1531	0.1567	0.1507
5	QPSK	1	12	22.59	22.55	22.53	0.1510	0.1496	0.1489
5	QPSK	1	24	22.48	22.67	22.50	0.1472	0.1538	0.1479
5	QPSK	12	0	22.58	22.64	22.46	0.1507	0.1528	0.1466
5	QPSK	12	7	22.42	22.70	22.50	0.1452	0.1549	0.1479
5	QPSK	12	13	22.59	22.68	22.53	0.1510	0.1542	0.1489
5	QPSK	25	0	22.54	22.54	22.54	0.1493	0.1493	0.1493
5	16QAM	1	0	22.54	22.56	22.68	0.1493	0.1500	0.1542
5	16QAM	1	12	22.47	22.52	22.59	0.1469	0.1486	0.1510
5	16QAM	1	24	22.54	22.60	22.62	0.1493	0.1514	0.1521
5	16QAM	12	0	21.62	21.72	21.75	0.1208	0.1236	0.1245
5	16QAM	12	7	21.60	21.72	21.73	0.1202	0.1236	0.1239
5	16QAM	12	13	21.63	21.75	21.59	0.1211	0.1245	0.1199
5	16QAM	25	0	21.53	21.57	21.72	0.1183	0.1194	0.1236
5	64QAM	1	0	21.58	21.57	21.70	0.1197	0.1194	0.1230
5	64QAM	1	12	21.48	21.76	21.66	0.1169	0.1247	0.1219
5	64QAM	1	24	21.57	21.74	21.65	0.1194	0.1242	0.1216
5	64QAM	12	0	20.69	20.74	20.64	0.0975	0.0986	0.0964
5	64QAM	12	7	20.62	20.72	20.60	0.0959	0.0982	0.0955
5	64QAM	12	13	20.62	20.66	20.64	0.0959	0.0968	0.0964
5	64QAM	25	0	20.58	20.53	20.66	0.0951	0.0940	0.0968
5	256QAM	1	0	18.63	18.76	18.72	0.0607	0.0625	0.0619
5	256QAM	1	12	18.61	18.73	18.63	0.0604	0.0621	0.0607
5	256QAM	1	24	18.65	18.52	18.49	0.0610	0.0592	0.0587
5	256QAM	12	0	18.58	18.74	18.71	0.0600	0.0622	0.0618
5	256QAM	12	7	18.52	18.84	18.59	0.0592	0.0637	0.0601
5	256QAM	12	13	18.48	18.82	18.56	0.0586	0.0634	0.0597
5	256QAM	25	0	18.83	18.71	18.57	0.0635	0.0618	0.0598
Channel				26055	26340	26675	EIRP(W)		
Frequency (MHz)				1851.5	1880	1913.5	L	M	H
3	QPSK	1	0	22.69	22.63	22.72	0.1545	0.1524	0.1556
3	QPSK	1	8	22.57	22.62	22.42	0.1503	0.1521	0.1452
3	QPSK	1	14	22.54	22.63	22.53	0.1493	0.1524	0.1489
3	QPSK	8	0	22.54	22.65	22.58	0.1493	0.1531	0.1507
3	QPSK	8	4	22.45	22.62	22.56	0.1462	0.1521	0.1500
3	QPSK	8	7	22.55	22.63	22.47	0.1496	0.1524	0.1469
3	QPSK	15	0	22.53	22.66	22.44	0.1489	0.1535	0.1459
3	16QAM	1	0	22.42	22.59	22.53	0.1452	0.1510	0.1489



3	16QAM	1	8	22.51	22.62	22.47	0.1483	0.1521	0.1469
3	16QAM	1	14	22.53	22.53	22.61	0.1489	0.1489	0.1517
3	16QAM	8	0	21.67	21.66	21.64	0.1222	0.1219	0.1213
3	16QAM	8	4	21.64	21.63	21.72	0.1213	0.1211	0.1236
3	16QAM	8	7	21.71	21.84	21.58	0.1233	0.1271	0.1197
3	16QAM	15	0	21.53	21.54	21.77	0.1183	0.1186	0.1250
3	64QAM	1	0	21.60	21.49	21.77	0.1202	0.1172	0.1250
3	64QAM	1	8	21.58	21.84	21.71	0.1197	0.1271	0.1233
3	64QAM	1	14	21.59	21.80	21.74	0.1199	0.1259	0.1242
3	64QAM	8	0	20.69	20.74	20.58	0.0975	0.0986	0.0951
3	64QAM	8	4	20.62	20.77	20.51	0.0959	0.0993	0.0935
3	64QAM	8	7	20.71	20.66	20.65	0.0979	0.0968	0.0966
3	64QAM	15	0	20.54	20.66	20.66	0.0942	0.0968	0.0968
3	256QAM	1	0	18.65	18.67	18.70	0.0610	0.0612	0.0617
3	256QAM	1	8	18.62	18.79	18.56	0.0605	0.0630	0.0597
3	256QAM	1	14	18.64	18.51	18.55	0.0608	0.0590	0.0596
3	256QAM	8	0	18.56	18.64	18.80	0.0597	0.0608	0.0631
3	256QAM	8	4	18.63	18.76	18.57	0.0607	0.0625	0.0598
3	256QAM	8	7	18.46	18.85	18.58	0.0583	0.0638	0.0600
3	256QAM	15	0	18.79	18.72	18.50	0.0630	0.0619	0.0589
Channel				26047	26340	26683	EIRP(W)		
Frequency (MHz)				1850.7	1880	1914.3	L	M	H
1.4	QPSK	1	0	22.66	22.65	22.70	0.1535	0.1531	0.1549
1.4	QPSK	1	3	22.61	22.68	22.69	0.1517	0.1542	0.1545
1.4	QPSK	1	5	22.61	22.66	22.70	0.1517	0.1535	0.1549
1.4	QPSK	3	0	22.67	22.61	22.59	0.1538	0.1517	0.1510
1.4	QPSK	3	1	22.68	22.74	22.60	0.1542	0.1563	0.1514
1.4	QPSK	3	3	22.58	22.68	22.66	0.1507	0.1542	0.1535
1.4	QPSK	6	0	22.61	22.74	22.59	0.1517	0.1563	0.1510
1.4	16QAM	1	0	22.68	22.74	22.67	0.1542	0.1563	0.1538
1.4	16QAM	1	3	22.68	22.71	22.64	0.1542	0.1552	0.1528
1.4	16QAM	1	5	22.58	22.72	22.70	0.1507	0.1556	0.1549
1.4	16QAM	3	0	22.67	22.66	22.63	0.1538	0.1535	0.1524
1.4	16QAM	3	1	22.61	22.74	22.71	0.1517	0.1563	0.1552
1.4	16QAM	3	3	22.61	22.73	22.69	0.1517	0.1560	0.1545
1.4	16QAM	6	0	21.66	21.65	21.90	0.1219	0.1216	0.1288
1.4	64QAM	1	0	21.82	21.93	21.89	0.1265	0.1297	0.1285
1.4	64QAM	1	3	21.81	21.70	21.65	0.1262	0.1230	0.1216
1.4	64QAM	1	5	21.76	21.91	21.69	0.1247	0.1291	0.1227
1.4	64QAM	3	0	21.80	21.82	21.84	0.1259	0.1265	0.1271
1.4	64QAM	3	1	21.87	21.74	21.73	0.1279	0.1242	0.1239
1.4	64QAM	3	3	21.60	21.69	21.85	0.1202	0.1227	0.1274
1.4	64QAM	6	0	20.68	20.73	20.71	0.0973	0.0984	0.0979
1.4	256QAM	1	0	18.84	18.70	18.88	0.0637	0.0617	0.0643
1.4	256QAM	1	3	18.67	18.66	18.74	0.0612	0.0611	0.0622
1.4	256QAM	1	5	18.79	18.82	18.73	0.0630	0.0634	0.0621
1.4	256QAM	3	0	18.84	18.67	18.65	0.0637	0.0612	0.0610



1.4	256QAM	3	1	18.68	18.78	18.88	0.0614	0.0628	0.0643
1.4	256QAM	3	3	18.70	18.74	18.64	0.0617	0.0622	0.0608
1.4	256QAM	6	0	18.74	18.83	18.87	0.0622	0.0635	0.0641

LTE Band 66_ANT0:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				132072	132322	132572			
Frequency (MHz)				1720	1745	1770	L	M	H
20	QPSK	1	0	22.87	22.92	22.81	0.1611	0.1629	0.1589
20	QPSK	1	49	22.78	22.88	22.74	0.1578	0.1614	0.1563
20	QPSK	1	99	22.78	22.79	22.70	0.1578	0.1581	0.1549
20	QPSK	50	0	22.85	22.89	22.72	0.1603	0.1618	0.1556
20	QPSK	50	24	22.78	22.79	22.79	0.1578	0.1581	0.1581
20	QPSK	50	50	22.71	22.88	22.76	0.1552	0.1614	0.1570
20	QPSK	100	0	22.70	22.78	22.69	0.1549	0.1578	0.1545
20	16QAM	1	0	22.76	22.87	22.69	0.1570	0.1611	0.1545
20	16QAM	1	49	22.76	22.75	22.70	0.1570	0.1567	0.1549
20	16QAM	1	99	22.75	22.82	22.74	0.1567	0.1592	0.1563
20	16QAM	50	0	21.94	22.05	21.91	0.1300	0.1334	0.1291
20	16QAM	50	24	21.94	21.77	21.79	0.1300	0.1250	0.1256
20	16QAM	50	50	21.94	21.82	21.86	0.1300	0.1265	0.1276
20	16QAM	100	0	21.97	21.97	21.93	0.1309	0.1309	0.1297
20	64QAM	1	0	21.81	21.91	21.84	0.1262	0.1291	0.1271
20	64QAM	1	49	21.87	21.90	21.79	0.1279	0.1288	0.1256
20	64QAM	1	99	21.79	22.04	21.75	0.1256	0.1330	0.1245
20	64QAM	50	0	20.94	20.90	20.80	0.1033	0.1023	0.1000
20	64QAM	50	24	20.99	20.96	20.67	0.1045	0.1038	0.0971
20	64QAM	50	50	20.74	21.04	20.74	0.0986	0.1057	0.0986
20	64QAM	100	0	20.76	20.85	20.85	0.0991	0.1012	0.1012
20	256QAM	1	0	18.98	18.91	18.73	0.0658	0.0647	0.0621
20	256QAM	1	49	18.85	19.02	18.85	0.0638	0.0664	0.0638
20	256QAM	1	99	18.94	18.89	18.73	0.0652	0.0644	0.0621
20	256QAM	50	0	19.01	18.81	18.77	0.0662	0.0632	0.0627
20	256QAM	50	24	18.88	19.01	18.70	0.0643	0.0662	0.0617
20	256QAM	50	50	18.90	18.84	18.70	0.0646	0.0637	0.0617
20	256QAM	100	0	18.89	18.87	18.89	0.0644	0.0641	0.0644
Channel				132047	132322	132597	EIRP(W)		
Frequency (MHz)				1717.5	1745	1772.5	L	M	H
15	QPSK	1	0	22.75	22.83	22.75	0.1567	0.1596	0.1567
15	QPSK	1	37	22.70	22.79	22.69	0.1549	0.1581	0.1545
15	QPSK	1	74	22.60	22.68	22.53	0.1514	0.1542	0.1489
15	QPSK	36	0	22.83	22.83	22.59	0.1596	0.1596	0.1510
15	QPSK	36	20	22.61	22.63	22.71	0.1517	0.1524	0.1552
15	QPSK	36	39	22.66	22.84	22.61	0.1535	0.1600	0.1517
15	QPSK	75	0	22.64	22.61	22.60	0.1528	0.1517	0.1514
15	16QAM	1	0	22.69	22.78	22.56	0.1545	0.1578	0.1500



15	16QAM	1	37	22.58	22.63	22.54	0.1507	0.1524	0.1493
15	16QAM	1	74	22.70	22.78	22.66	0.1549	0.1578	0.1535
15	16QAM	36	0	21.85	21.88	21.79	0.1274	0.1282	0.1256
15	16QAM	36	20	21.91	21.72	21.61	0.1291	0.1236	0.1205
15	16QAM	36	39	21.91	21.72	21.79	0.1291	0.1236	0.1256
15	16QAM	75	0	21.81	21.88	21.88	0.1262	0.1282	0.1282
15	64QAM	1	0	21.73	21.88	21.71	0.1239	0.1282	0.1233
15	64QAM	1	37	21.75	21.73	21.74	0.1245	0.1239	0.1242
15	64QAM	1	74	21.69	21.89	21.63	0.1227	0.1285	0.1211
15	64QAM	36	0	20.90	20.86	20.68	0.1023	0.1014	0.0973
15	64QAM	36	20	20.89	20.84	20.57	0.1021	0.1009	0.0948
15	64QAM	36	39	20.58	20.89	20.71	0.0951	0.1021	0.0979
15	64QAM	75	0	20.59	20.69	20.68	0.0953	0.0975	0.0973
15	256QAM	1	0	18.85	18.84	18.71	0.0638	0.0637	0.0618
15	256QAM	1	37	18.67	19.00	18.72	0.0612	0.0661	0.0619
15	256QAM	1	74	18.86	18.76	18.67	0.0640	0.0625	0.0612
15	256QAM	36	0	18.97	18.78	18.64	0.0656	0.0628	0.0608
15	256QAM	36	20	18.73	18.94	18.59	0.0621	0.0652	0.0601
15	256QAM	36	39	18.87	18.67	18.65	0.0641	0.0612	0.0610
15	256QAM	75	0	18.76	18.84	18.81	0.0625	0.0637	0.0632
Channel				132022	132322	132622	EIRP(W)		
Frequency (MHz)				1715	1745	1775	L	M	H
10	QPSK	1	0	22.71	22.78	22.66	0.1552	0.1578	0.1535
10	QPSK	1	25	22.76	22.75	22.69	0.1570	0.1567	0.1545
10	QPSK	1	49	22.61	22.63	22.66	0.1517	0.1524	0.1535
10	QPSK	25	0	22.78	22.81	22.58	0.1578	0.1589	0.1507
10	QPSK	25	12	22.67	22.69	22.62	0.1538	0.1545	0.1521
10	QPSK	25	25	22.64	22.71	22.62	0.1528	0.1552	0.1521
10	QPSK	50	0	22.59	22.62	22.67	0.1510	0.1521	0.1538
10	16QAM	1	0	22.67	22.70	22.59	0.1538	0.1549	0.1510
10	16QAM	1	25	22.62	22.60	22.61	0.1521	0.1514	0.1517
10	16QAM	1	49	22.69	22.66	22.68	0.1545	0.1535	0.1542
10	16QAM	25	0	21.89	21.98	21.85	0.1285	0.1312	0.1274
10	16QAM	25	12	21.79	21.64	21.77	0.1256	0.1213	0.1250
10	16QAM	25	25	21.76	21.66	21.75	0.1247	0.1219	0.1245
10	16QAM	50	0	21.93	21.81	21.88	0.1297	0.1262	0.1282
10	64QAM	1	0	21.75	21.87	21.67	0.1245	0.1279	0.1222
10	64QAM	1	25	21.71	21.75	21.67	0.1233	0.1245	0.1222
10	64QAM	1	49	21.69	21.87	21.69	0.1227	0.1279	0.1227
10	64QAM	25	0	20.82	20.74	20.68	0.1005	0.0986	0.0973
10	64QAM	25	12	20.84	20.79	20.60	0.1009	0.0998	0.0955
10	64QAM	25	25	20.68	20.90	20.70	0.0973	0.1023	0.0977
10	64QAM	50	0	20.71	20.72	20.80	0.0979	0.0982	0.1000
10	256QAM	1	0	18.86	18.77	18.63	0.0640	0.0627	0.0607
10	256QAM	1	25	18.76	19.00	18.78	0.0625	0.0661	0.0628
10	256QAM	1	49	18.86	18.82	18.66	0.0640	0.0634	0.0611
10	256QAM	25	0	18.99	18.72	18.74	0.0659	0.0619	0.0622
10	256QAM	25	12	18.84	18.87	18.63	0.0637	0.0641	0.0607



10	256QAM	25	25	18.87	18.81	18.64	0.0641	0.0632	0.0608
10	256QAM	50	0	18.80	18.77	18.76	0.0631	0.0627	0.0625
Channel				131997	132322	132647	EIRP(W)		
Frequency (MHz)				1712.5	1745	1777.5	L	M	H
5	QPSK	1	0	22.81	22.88	22.69	0.1589	0.1614	0.1545
5	QPSK	1	12	22.64	22.86	22.71	0.1528	0.1607	0.1552
5	QPSK	1	24	22.66	22.65	22.60	0.1535	0.1531	0.1514
5	QPSK	12	0	22.77	22.71	22.68	0.1574	0.1552	0.1542
5	QPSK	12	7	22.65	22.64	22.73	0.1531	0.1528	0.1560
5	QPSK	12	13	22.66	22.81	22.65	0.1535	0.1589	0.1531
5	QPSK	25	0	22.53	22.72	22.60	0.1489	0.1556	0.1514
5	16QAM	1	0	22.69	22.78	22.57	0.1545	0.1578	0.1503
5	16QAM	1	12	22.67	22.68	22.55	0.1538	0.1542	0.1496
5	16QAM	1	24	22.66	22.70	22.67	0.1535	0.1549	0.1538
5	16QAM	12	0	21.83	21.87	21.75	0.1268	0.1279	0.1245
5	16QAM	12	7	21.80	21.69	21.64	0.1259	0.1227	0.1213
5	16QAM	12	13	21.88	21.77	21.70	0.1282	0.1250	0.1230
5	16QAM	25	0	21.92	21.85	21.90	0.1294	0.1274	0.1288
5	64QAM	1	0	21.75	21.74	21.81	0.1245	0.1242	0.1262
5	64QAM	1	12	21.77	21.85	21.66	0.1250	0.1274	0.1219
5	64QAM	1	24	21.76	21.96	21.60	0.1247	0.1306	0.1202
5	64QAM	12	0	20.79	20.76	20.69	0.0998	0.0991	0.0975
5	64QAM	12	7	20.90	20.94	20.50	0.1023	0.1033	0.0933
5	64QAM	12	13	20.63	20.90	20.59	0.0962	0.1023	0.0953
5	64QAM	25	0	20.64	20.80	20.69	0.0964	0.1000	0.0975
5	256QAM	1	0	18.92	18.77	18.69	0.0649	0.0627	0.0615
5	256QAM	1	12	18.75	18.95	18.76	0.0624	0.0653	0.0625
5	256QAM	1	24	18.78	18.82	18.71	0.0628	0.0634	0.0618
5	256QAM	12	0	18.86	18.78	18.62	0.0640	0.0628	0.0605
5	256QAM	12	7	18.74	18.94	18.65	0.0622	0.0652	0.0610
5	256QAM	12	13	18.86	18.76	18.65	0.0640	0.0625	0.0610
5	256QAM	25	0	18.82	18.80	18.79	0.0634	0.0631	0.0630
Channel				131987	132322	132657	EIRP(W)		
Frequency (MHz)				1711.5	1745	1778.5	L	M	H
3	QPSK	1	0	22.71	22.84	22.75	0.1552	0.1600	0.1567
3	QPSK	1	8	22.65	22.78	22.64	0.1531	0.1578	0.1528
3	QPSK	1	14	22.60	22.68	22.67	0.1514	0.1542	0.1538
3	QPSK	8	0	22.72	22.80	22.68	0.1556	0.1585	0.1542
3	QPSK	8	4	22.75	22.66	22.62	0.1567	0.1535	0.1521
3	QPSK	8	7	22.67	22.81	22.65	0.1538	0.1589	0.1531
3	QPSK	15	0	22.52	22.69	22.59	0.1486	0.1545	0.1510
3	16QAM	1	0	22.70	22.74	22.57	0.1549	0.1563	0.1503
3	16QAM	1	8	22.60	22.58	22.54	0.1514	0.1507	0.1493
3	16QAM	1	14	22.63	22.68	22.59	0.1524	0.1542	0.1510
3	16QAM	8	0	21.90	21.97	21.88	0.1288	0.1309	0.1282
3	16QAM	8	4	21.89	21.63	21.72	0.1285	0.1211	0.1236
3	16QAM	8	7	21.78	21.71	21.80	0.1253	0.1233	0.1259
3	16QAM	15	0	21.94	21.86	21.77	0.1300	0.1276	0.1250



3	64QAM	1	0	21.70	21.82	21.82	0.1230	0.1265	0.1265
3	64QAM	1	8	21.72	21.84	21.66	0.1236	0.1271	0.1219
3	64QAM	1	14	21.70	21.87	21.67	0.1230	0.1279	0.1222
3	64QAM	8	0	20.79	20.85	20.75	0.0998	0.1012	0.0989
3	64QAM	8	4	20.96	20.89	20.56	0.1038	0.1021	0.0946
3	64QAM	8	7	20.67	20.95	20.71	0.0971	0.1035	0.0979
3	64QAM	15	0	20.63	20.77	20.74	0.0962	0.0993	0.0986
3	256QAM	1	0	18.95	18.75	18.69	0.0653	0.0624	0.0615
3	256QAM	1	8	18.82	18.97	18.67	0.0634	0.0656	0.0612
3	256QAM	1	14	18.77	18.75	18.65	0.0627	0.0624	0.0610
3	256QAM	8	0	18.86	18.77	18.73	0.0640	0.0627	0.0621
3	256QAM	8	4	18.84	18.86	18.64	0.0637	0.0640	0.0608
3	256QAM	8	7	18.77	18.79	18.57	0.0627	0.0630	0.0598
3	256QAM	15	0	18.85	18.77	18.82	0.0638	0.0627	0.0634
Channel				131979	132322	132665	EIRP(W)		
Frequency (MHz)				1710.7	1745	1779.3	L	M	H
1.4	QPSK	1	0	22.69	22.85	22.68	0.1545	0.1603	0.1542
1.4	QPSK	1	3	22.84	22.84	22.77	0.1600	0.1600	0.1574
1.4	QPSK	1	5	22.75	22.83	22.64	0.1567	0.1596	0.1528
1.4	QPSK	3	0	22.75	22.77	22.64	0.1567	0.1574	0.1528
1.4	QPSK	3	1	22.71	22.78	22.75	0.1552	0.1578	0.1567
1.4	QPSK	3	3	22.73	22.85	22.65	0.1560	0.1603	0.1531
1.4	QPSK	6	0	22.78	22.79	22.78	0.1578	0.1581	0.1578
1.4	16QAM	1	0	22.71	22.77	22.74	0.1552	0.1574	0.1563
1.4	16QAM	1	3	22.78	22.86	22.71	0.1578	0.1607	0.1552
1.4	16QAM	1	5	22.84	22.83	22.74	0.1600	0.1596	0.1563
1.4	16QAM	3	0	22.73	22.80	22.77	0.1560	0.1585	0.1574
1.4	16QAM	3	1	22.84	22.75	22.67	0.1600	0.1567	0.1538
1.4	16QAM	3	3	22.85	22.76	22.71	0.1603	0.1570	0.1552
1.4	16QAM	6	0	21.78	21.92	21.77	0.1253	0.1294	0.1250
1.4	64QAM	1	0	21.89	21.77	21.84	0.1285	0.1250	0.1271
1.4	64QAM	1	3	21.82	21.82	21.84	0.1265	0.1265	0.1271
1.4	64QAM	1	5	21.82	21.81	21.85	0.1265	0.1262	0.1274
1.4	64QAM	3	0	21.89	22.05	21.79	0.1285	0.1334	0.1256
1.4	64QAM	3	1	21.77	21.93	21.85	0.1250	0.1297	0.1274
1.4	64QAM	3	3	21.90	21.84	21.95	0.1288	0.1271	0.1303
1.4	64QAM	6	0	20.83	20.82	20.77	0.1007	0.1005	0.0993
1.4	256QAM	1	0	18.93	18.87	18.83	0.0650	0.0641	0.0635
1.4	256QAM	1	3	18.77	18.77	18.84	0.0627	0.0627	0.0637
1.4	256QAM	1	5	18.91	19.05	18.94	0.0647	0.0668	0.0652
1.4	256QAM	3	0	18.86	18.84	18.71	0.0640	0.0637	0.0618
1.4	256QAM	3	1	18.89	19.01	18.93	0.0644	0.0662	0.0650
1.4	256QAM	3	3	19.02	19.02	18.95	0.0664	0.0664	0.0653
1.4	256QAM	6	0	18.85	19.06	18.87	0.0638	0.0670	0.0641



LTE Band 2(Other PA)

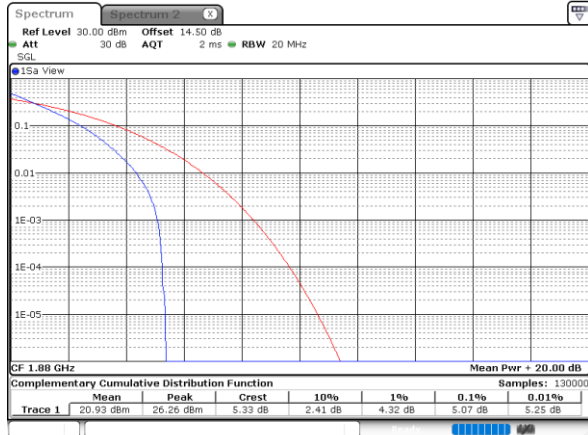
Peak-to-Average Ratio

Mode	LTE Band 2 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.07	5.91	6.41	PASS



LTE Band 2 / 20MHz / QPSK

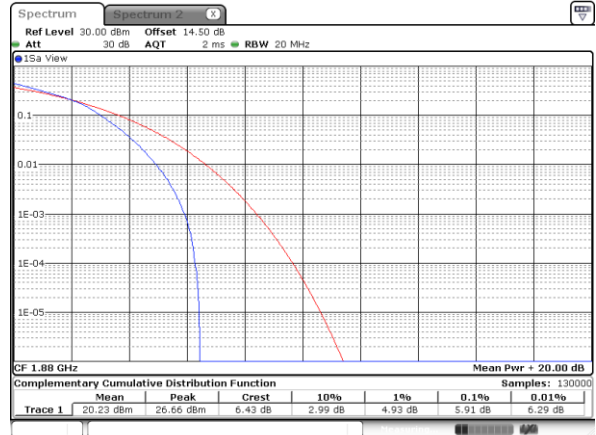
Middle Channel / Full RB



Date: 25,NOV,2024 11:27:15

LTE Band 2 / 20MHz / 16QAM

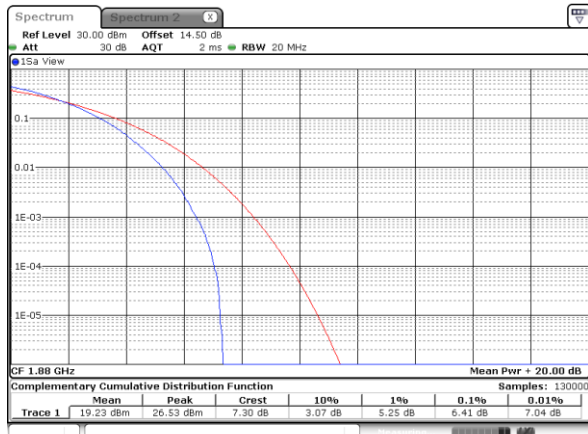
Middle Channel / Full RB



Date: 25,NOV,2024 11:28:12

LTE Band 2 / 20MHz / 64QAM

Middle Channel / Full RB



Date: 25,NOV,2024 11:28:48



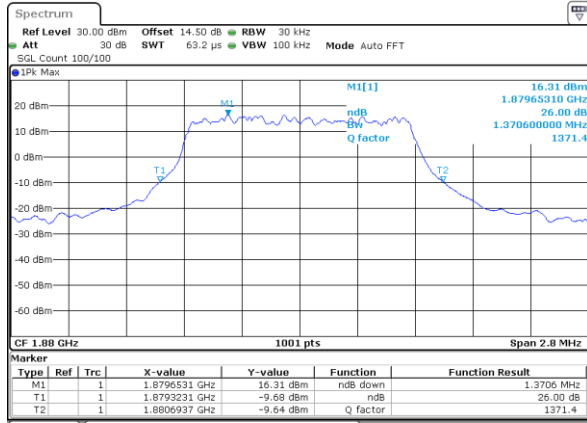
26dB Bandwidth

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
Middle CH	1.37	1.37	3.06	3.08	4.94	5.04	10.03	9.97	14.21	14.48	18.94	19.10



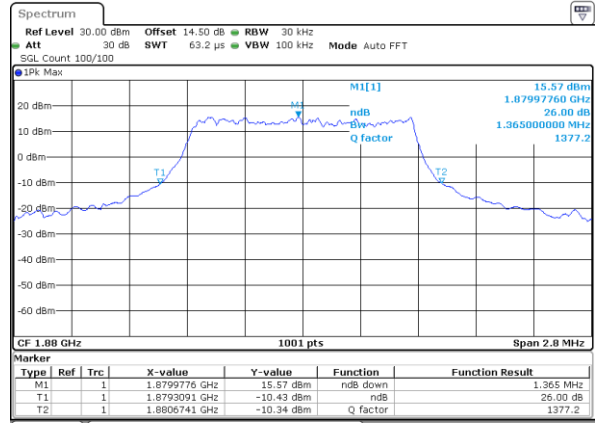
LTE Band 2

Middle Channel / 1.4MHz / QPSK



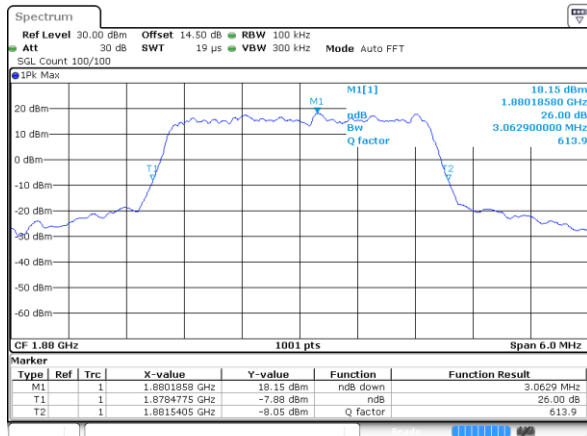
Date: 15 NOV 2024 18:25:54

Middle Channel / 1.4MHz / 16QAM



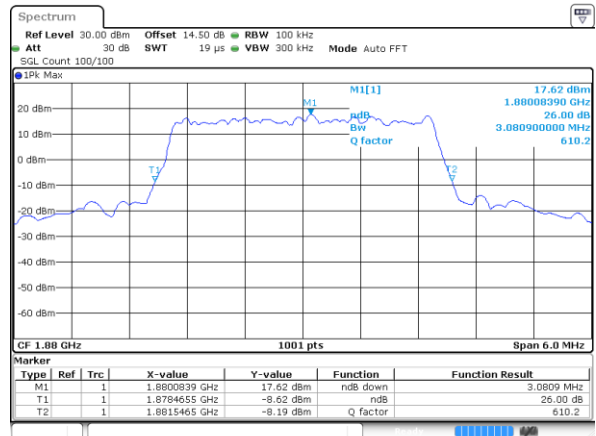
Date: 15 NOV 2024 18:26:33

Middle Channel / 3MHz / QPSK



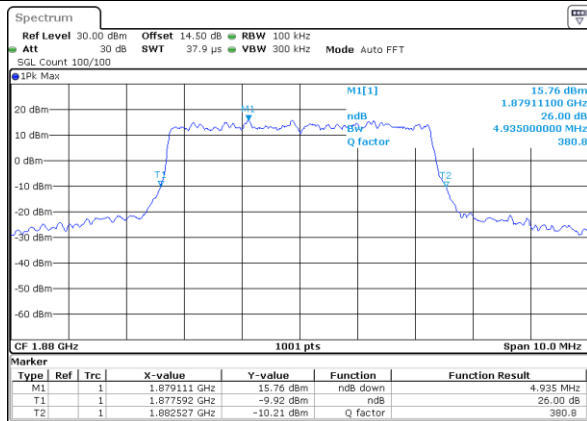
Date: 15 NOV 2024 18:39:52

Middle Channel / 3MHz / 16QAM



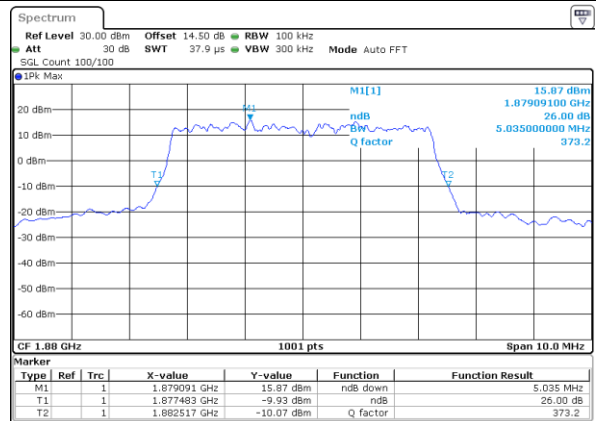
Date: 15 NOV 2024 18:40:31

Middle Channel / 5MHz / QPSK



Date: 15 NOV 2024 18:53:50

Middle Channel / 5MHz / 16QAM

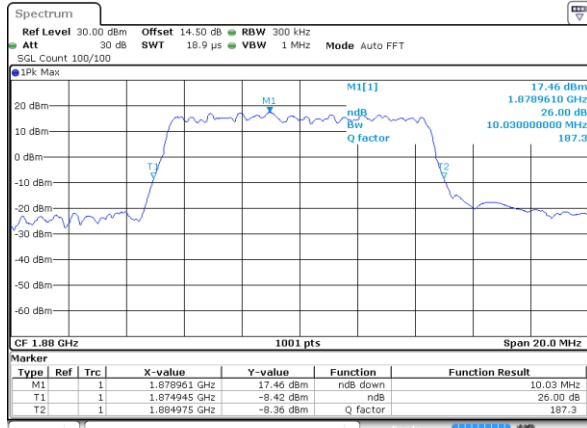


Date: 15 NOV 2024 18:54:30



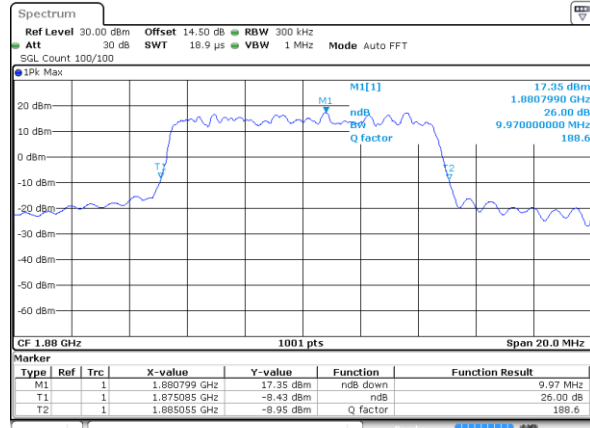
LTE Band 2

Middle Channel / 10MHz / QPSK



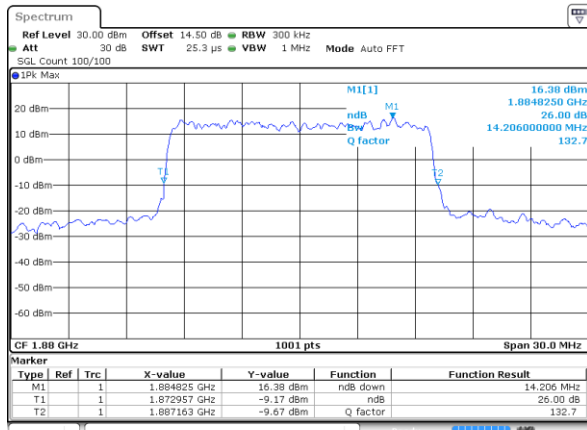
Date: 15 NOV 2024 19:07:49

Middle Channel / 10MHz / 16QAM



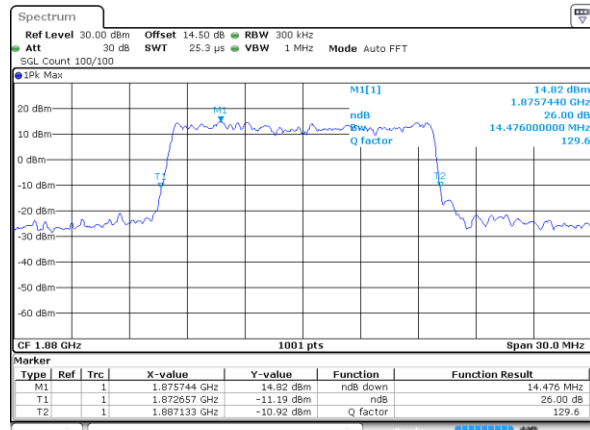
Date: 15 NOV 2024 19:08:29

Middle Channel / 15MHz / QPSK



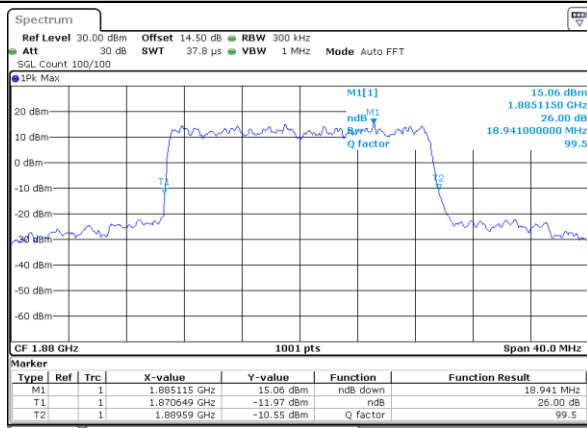
Date: 15 NOV 2024 19:21:48

Middle Channel / 15MHz / 16QAM



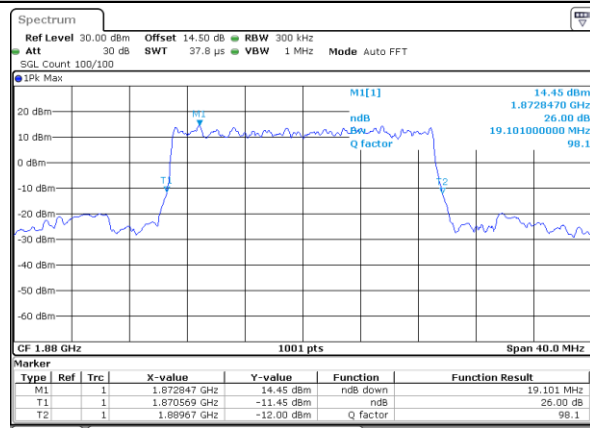
Date: 15 NOV 2024 19:22:27

Middle Channel / 20MHz / QPSK



Date: 15 NOV 2024 19:35:46

Middle Channel / 20MHz / 16QAM



Date: 15 NOV 2024 19:36:25



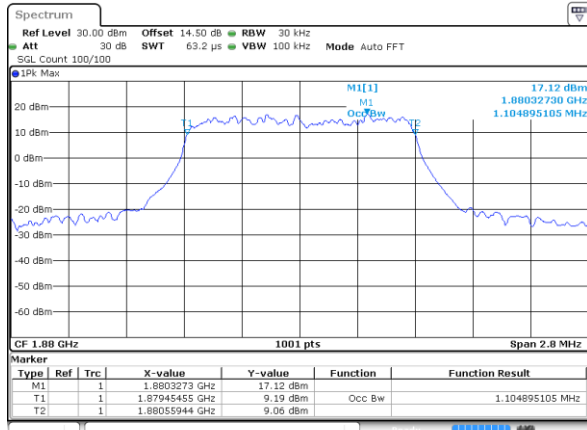
Occupied Bandwidth

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
Middle CH	1.10	1.10	2.77	2.75	4.50	4.49	9.03	9.11	13.46	13.52	17.90	17.94

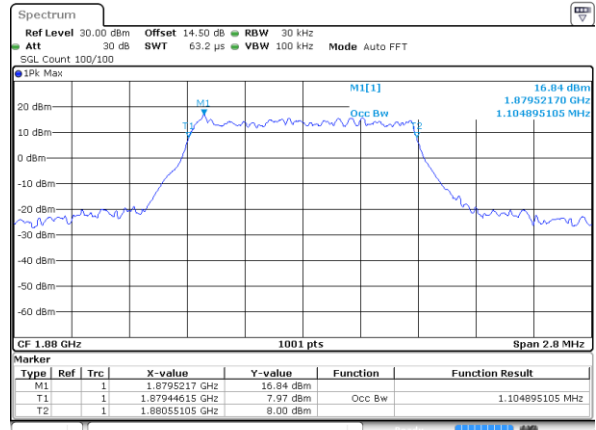


LTE Band 2

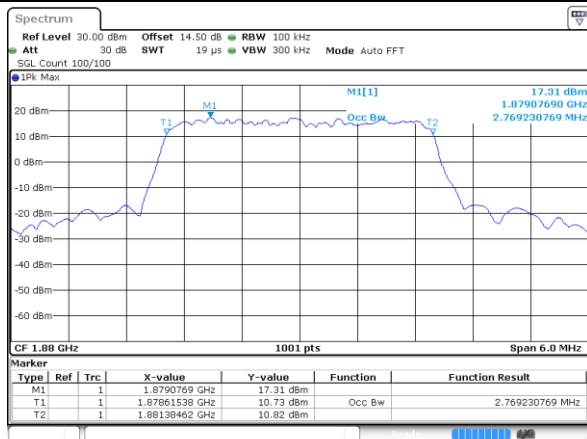
Middle Channel / 1.4MHz / QPSK



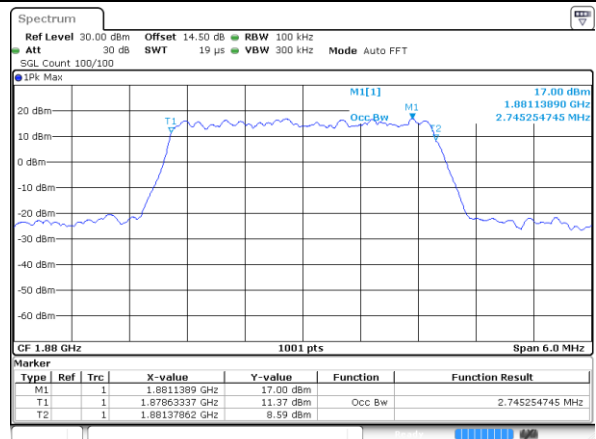
Middle Channel / 1.4MHz / 16QAM



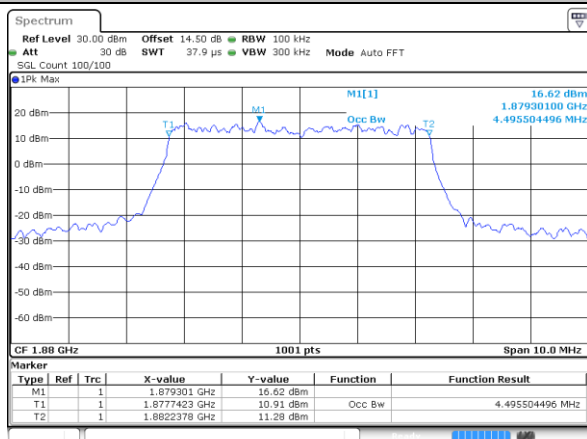
Middle Channel / 3MHz / QPSK



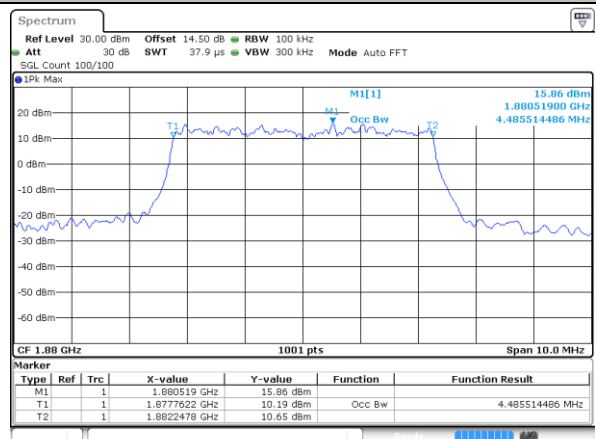
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



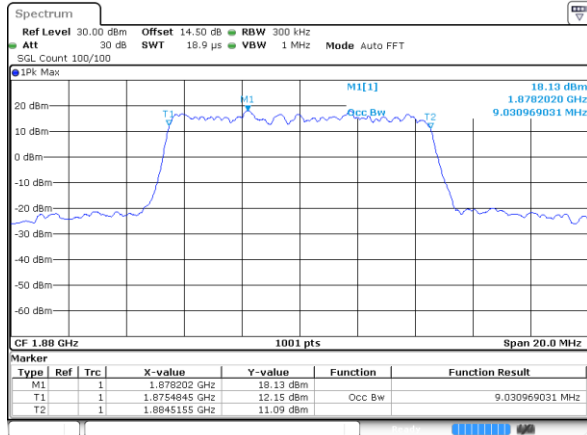
Middle Channel / 5MHz / 16QAM



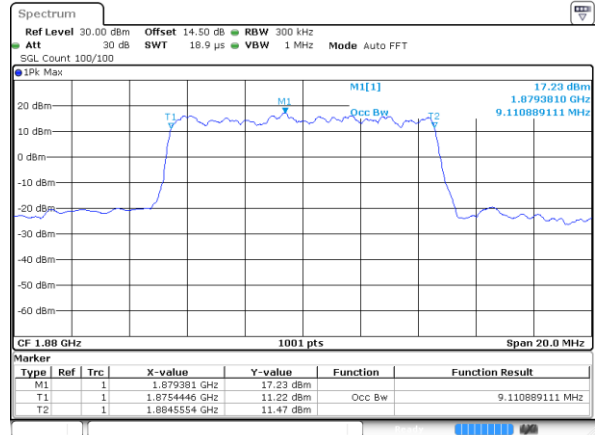


LTE Band 2

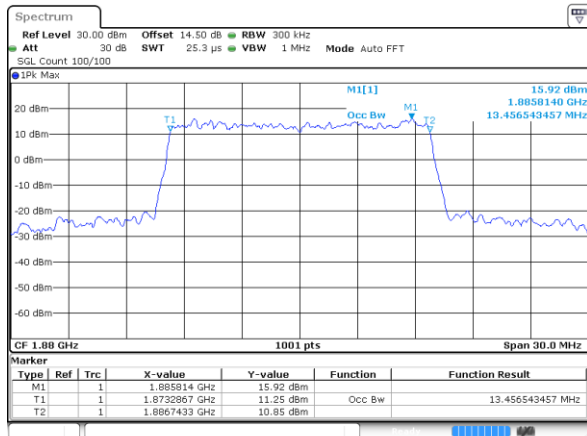
Middle Channel / 10MHz / QPSK



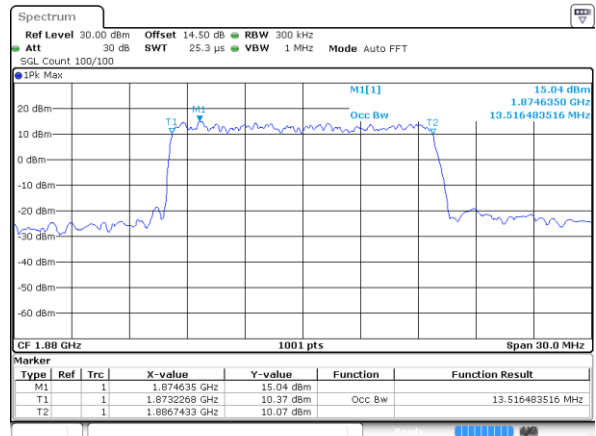
Middle Channel / 10MHz / 16QAM



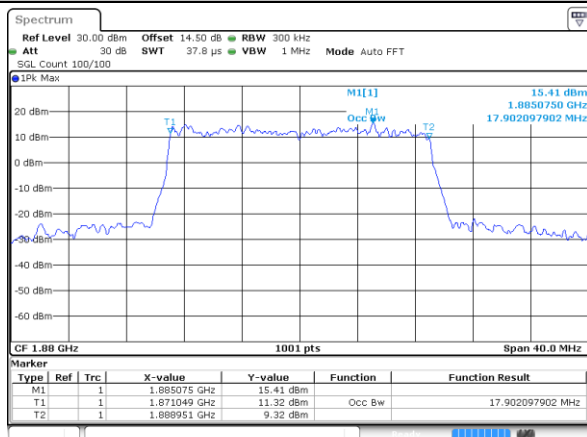
Middle Channel / 15MHz / QPSK



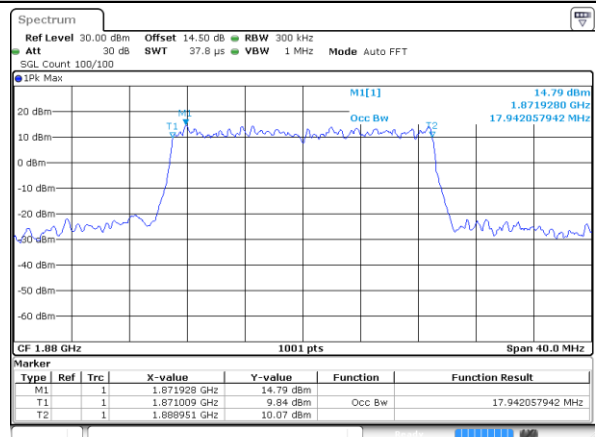
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

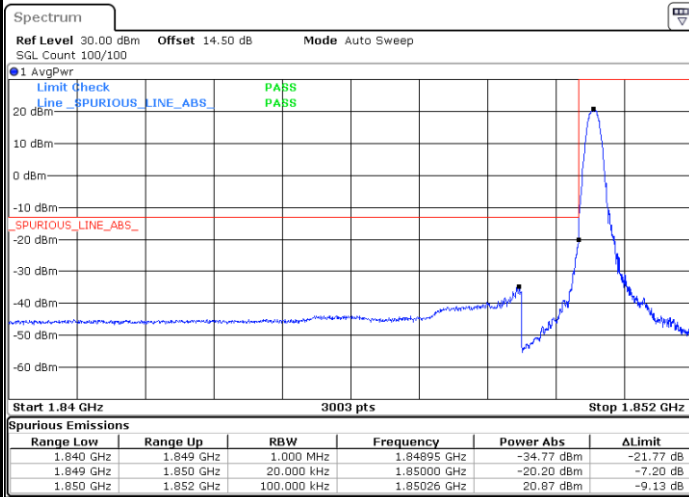




Conducted Band Edge

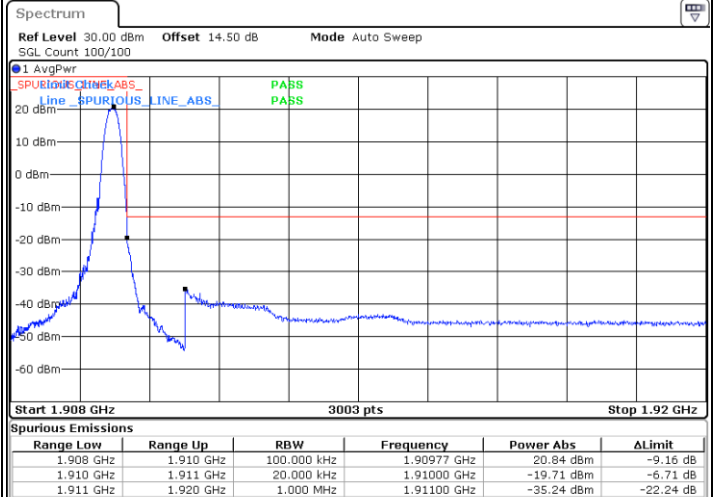
LTE Band 2 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



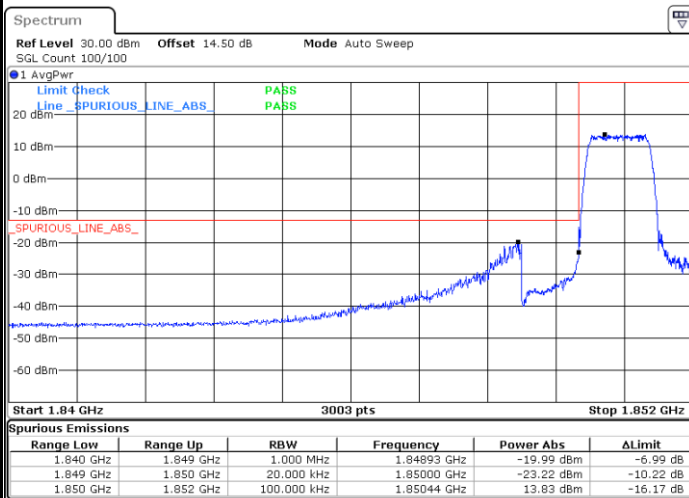
Date: 15 NOV 2024 18:19:34

Highest Band Edge / 1RB



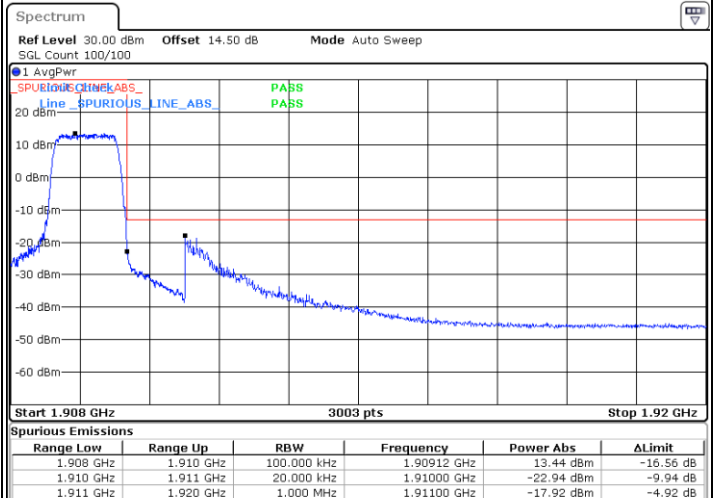
Date: 15 NOV 2024 18:27:18

Lowest Band Edge / Full RB



Date: 15 NOV 2024 18:22:47

Highest Band Edge / Full RB

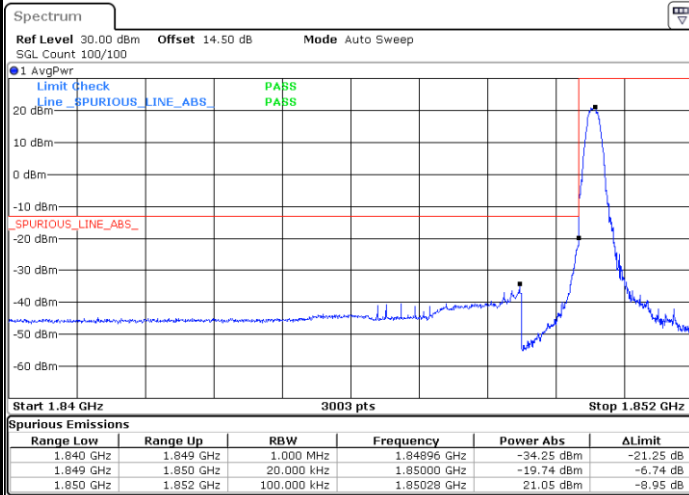


Date: 15 NOV 2024 18:30:31



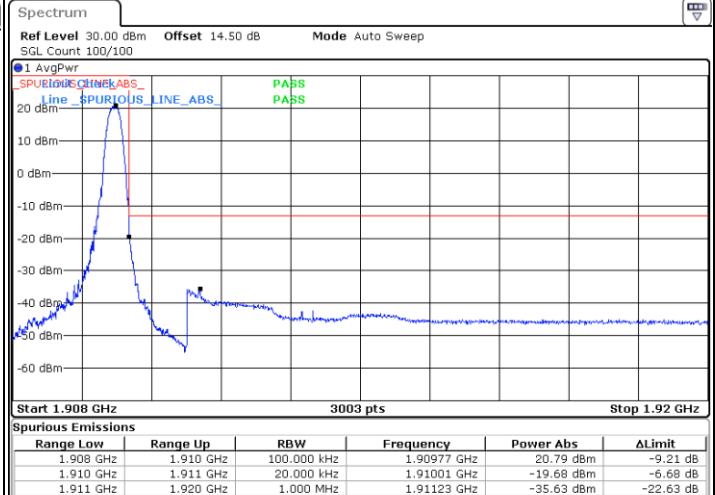
LTE Band 2 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



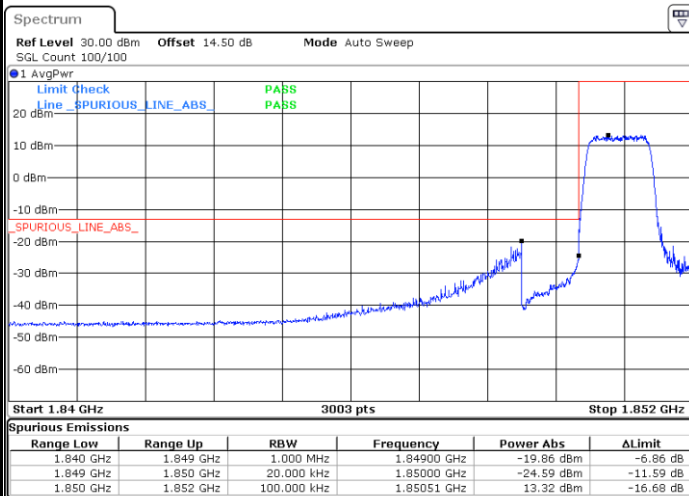
Date: 15 NOV 2024 18:20:20

Highest Band Edge / 1 RB



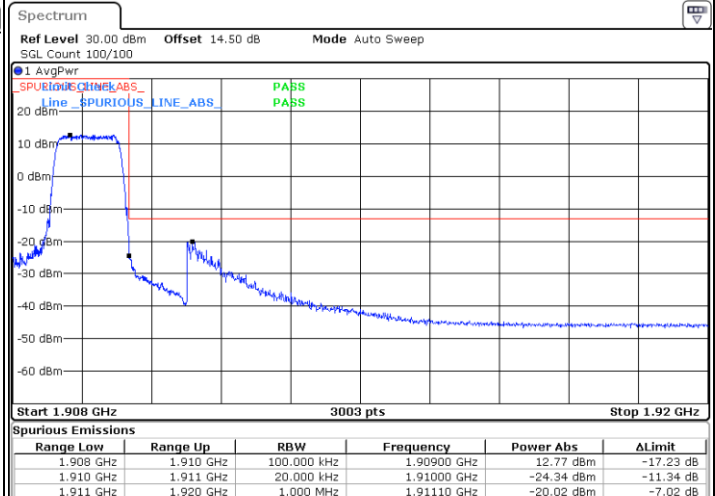
Date: 15 NOV 2024 18:28:04

Lowest Band Edge / Full RB



Date: 15 NOV 2024 18:23:33

Highest Band Edge / Full RB

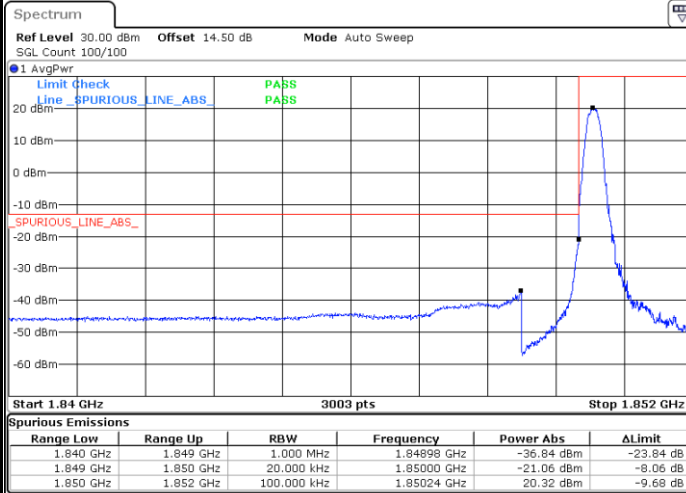


Date: 15 NOV 2024 18:31:17

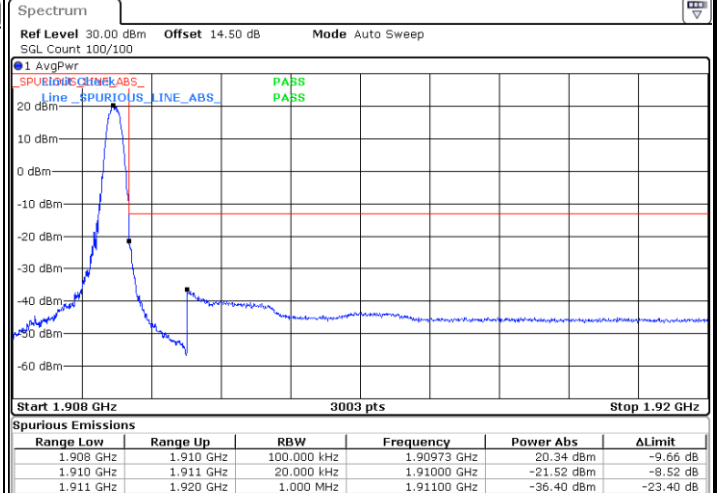


LTE Band 2 / 1.4MHz / 64QAM

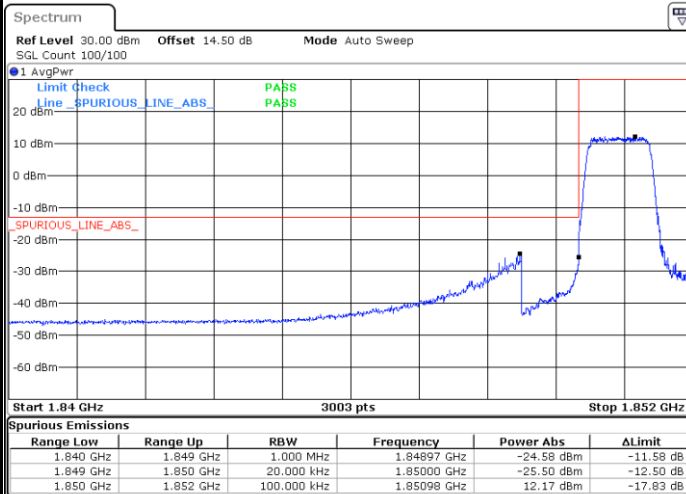
Lowest Band Edge / 1 RB



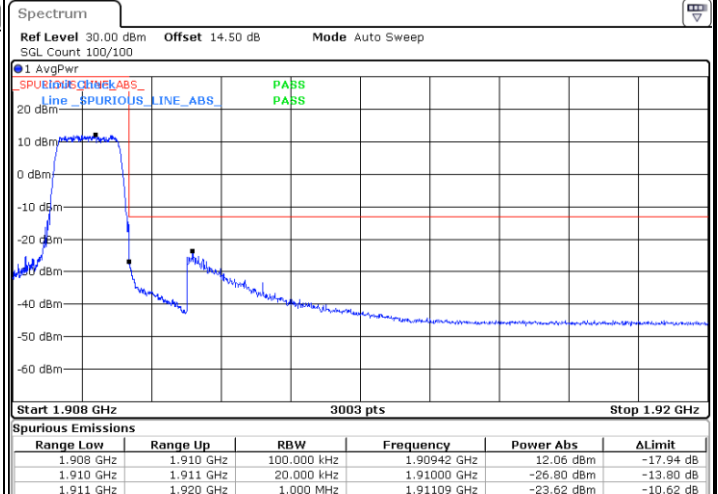
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



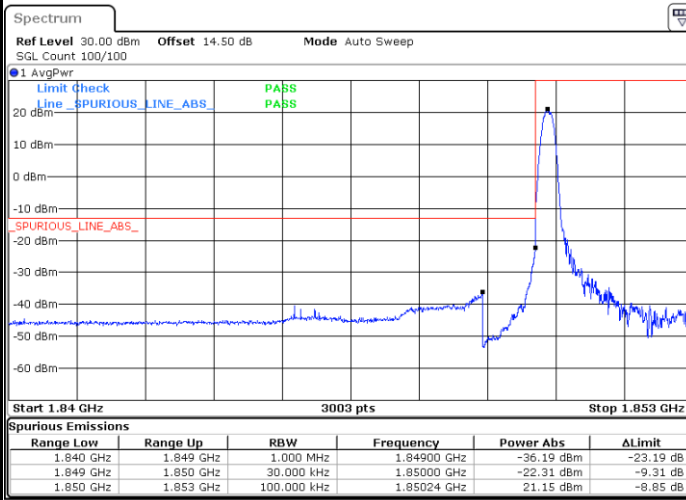
Highest Band Edge / Full RB





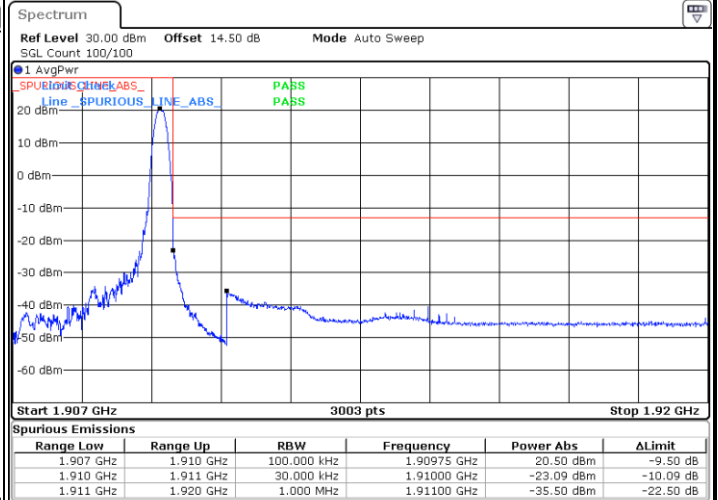
LTE Band 2 / 3MHz / QPSK

Lowest Band Edge / 1RB



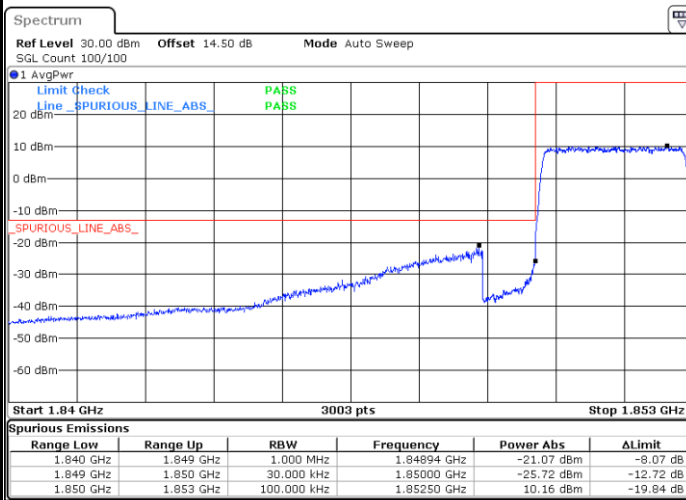
Date: 15 NOV 2024 18:33:32

Highest Band Edge / 1RB



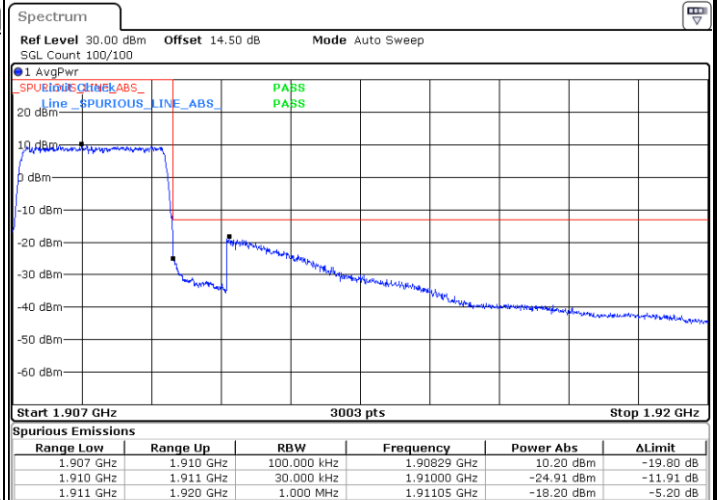
Date: 15 NOV 2024 18:41:16

Lowest Band Edge / Full RB



Date: 15 NOV 2024 18:36:45

Highest Band Edge / Full RB

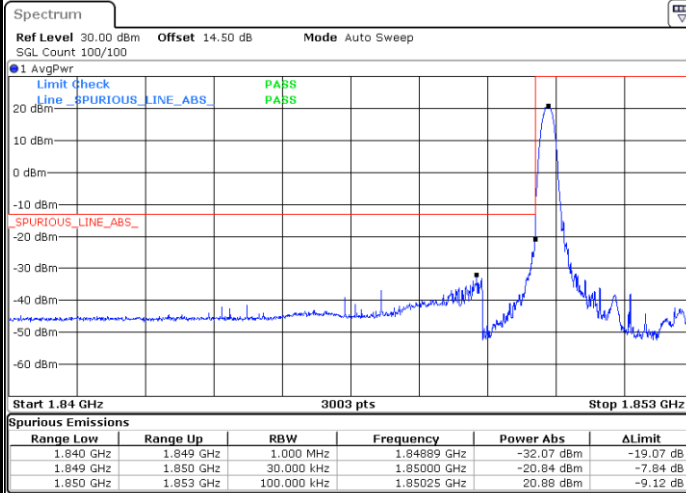


Date: 15 NOV 2024 18:43:34

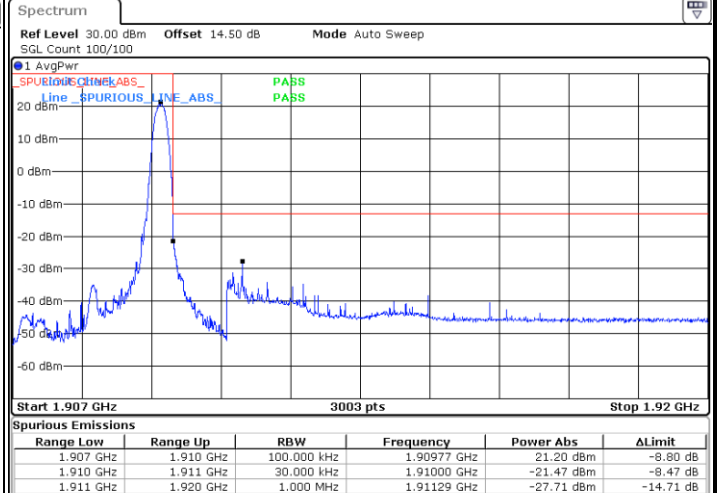


LTE Band 2 / 3MHz / 16QAM

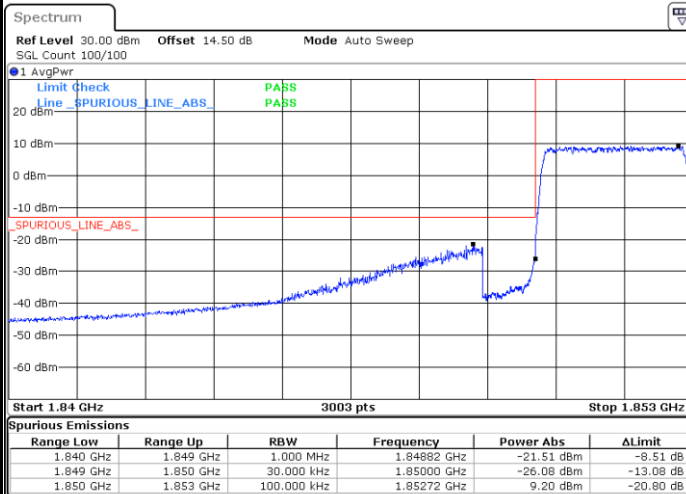
Lowest Band Edge / 1 RB



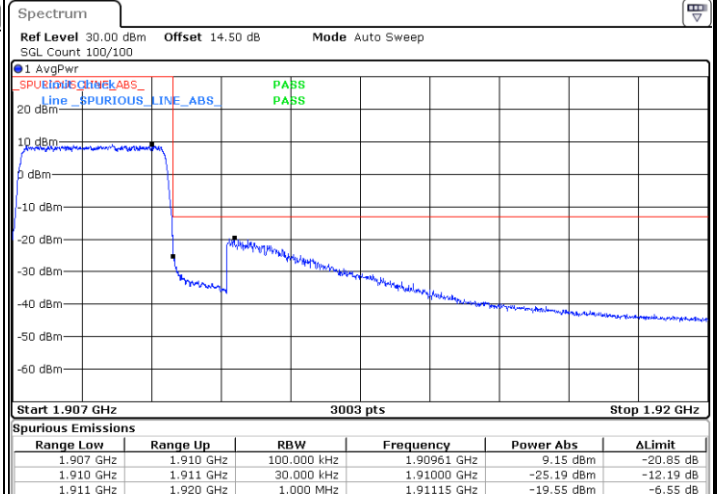
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



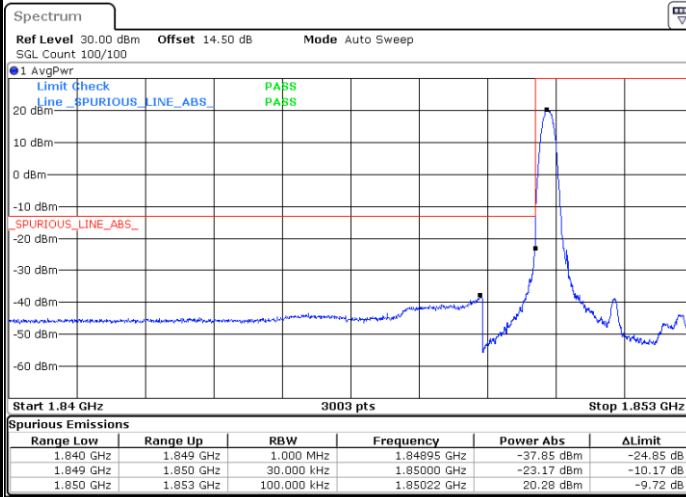
Highest Band Edge / Full RB



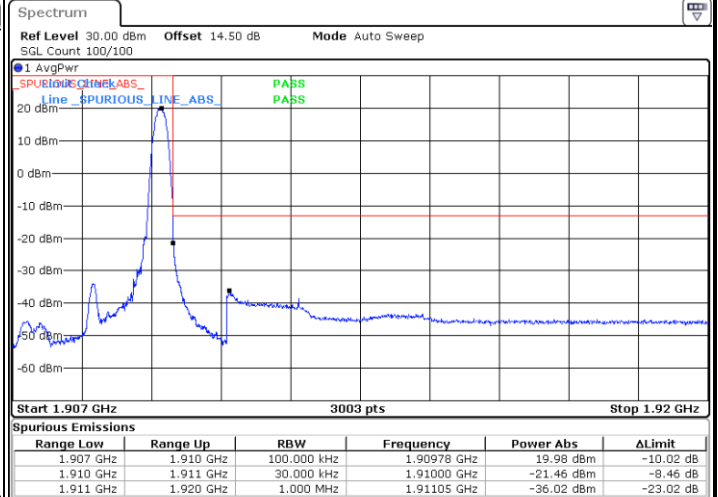


LTE Band 2 / 3MHz / 64QAM

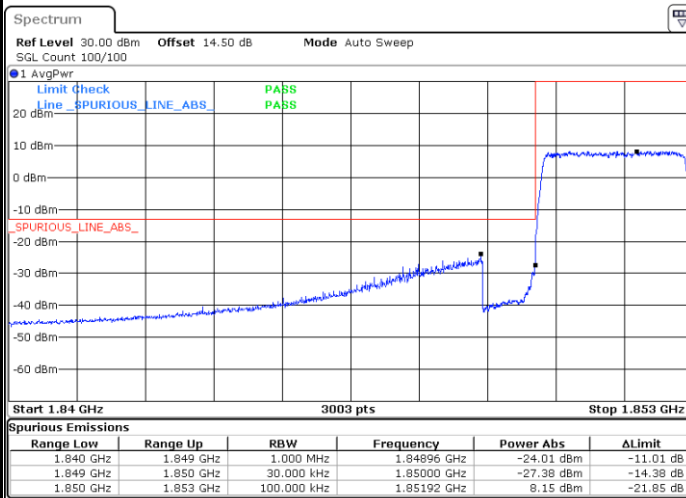
Lowest Band Edge / 1 RB



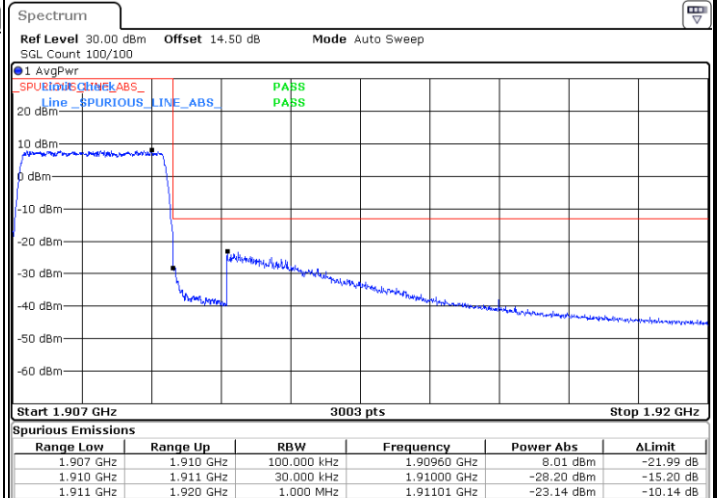
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



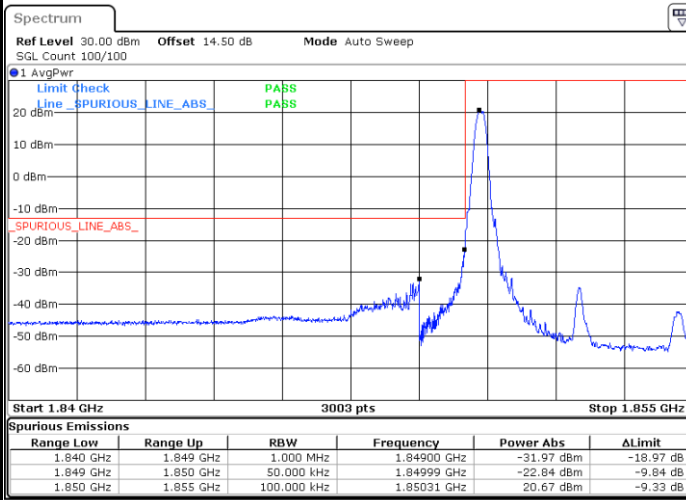
Highest Band Edge / Full RB





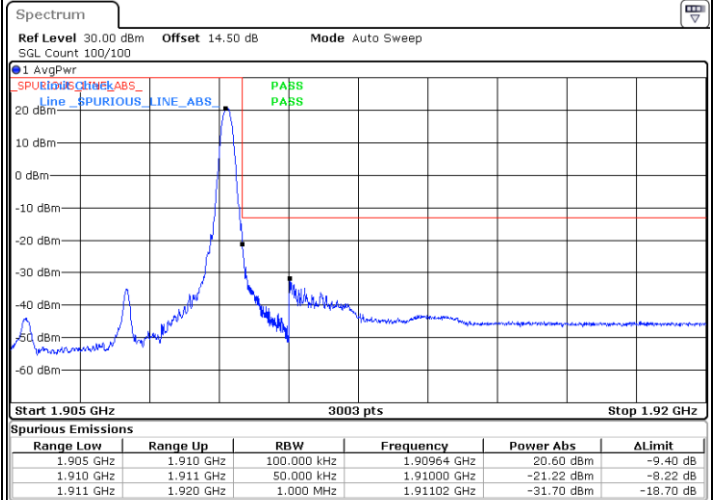
LTE Band 2 / 5MHz / QPSK

Lowest Band Edge / 1RB



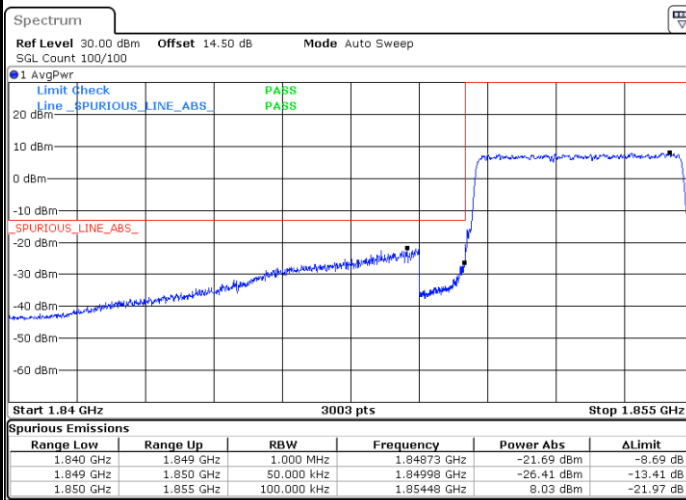
Date: 15 NOV 2024 18:47:30

Highest Band Edge / 1RB



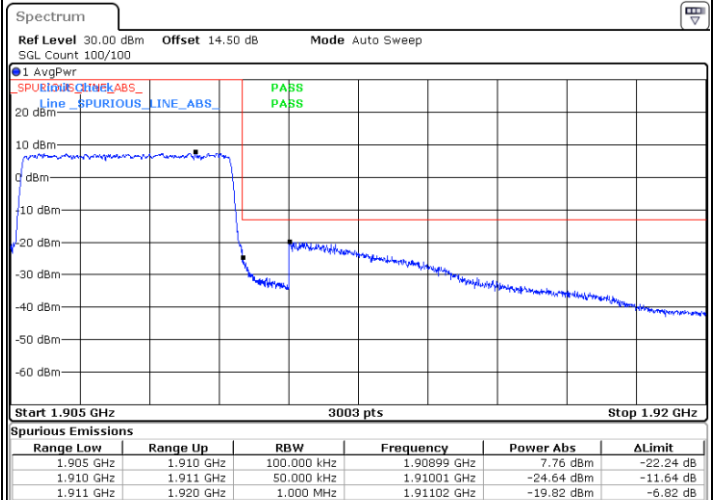
Date: 15 NOV 2024 18:55:15

Lowest Band Edge / Full RB



Date: 15 NOV 2024 18:50:43

Highest Band Edge / Full RB

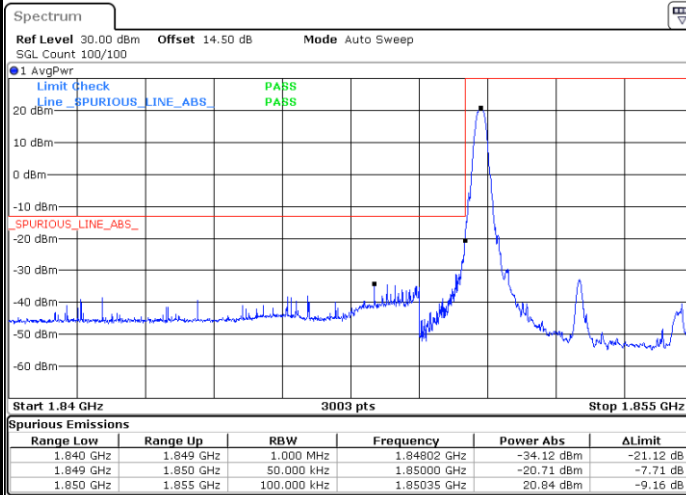


Date: 15 NOV 2024 18:57:33

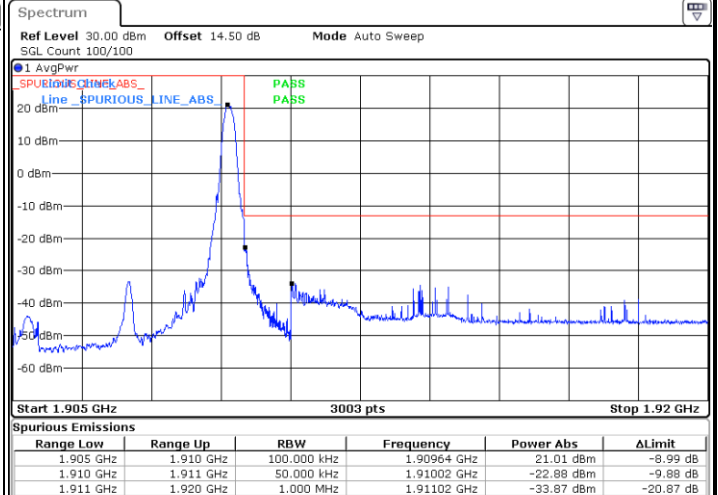


LTE Band 2 / 5MHz / 16QAM

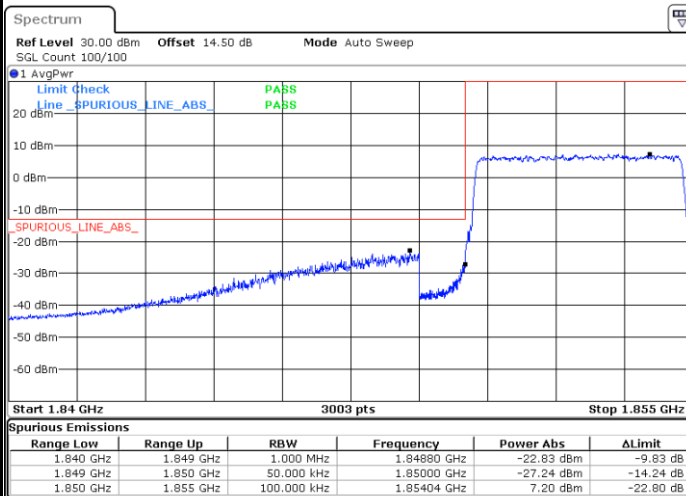
Lowest Band Edge / 1 RB



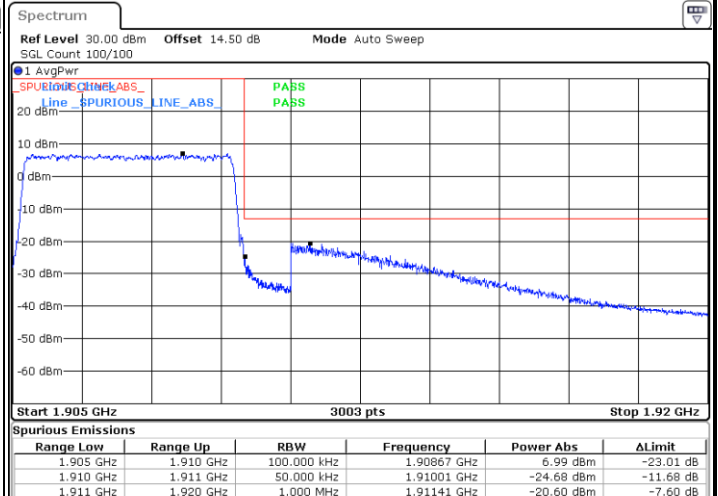
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



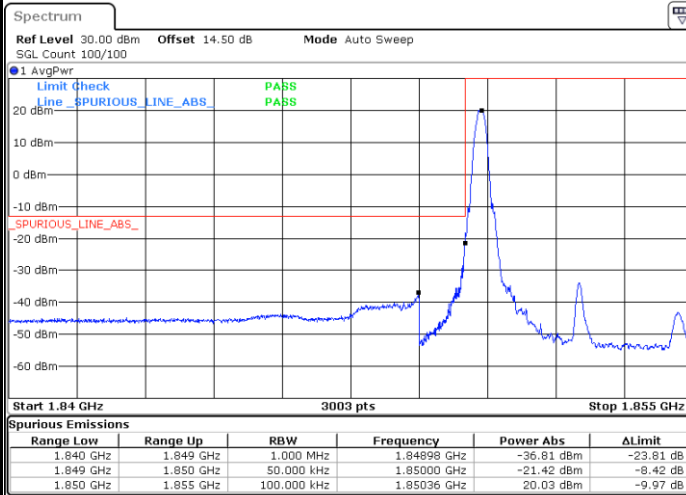
Highest Band Edge / Full RB



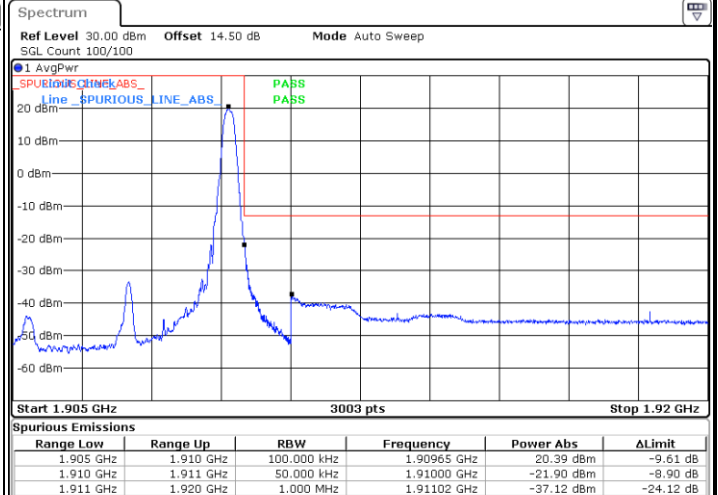


LTE Band 2 / 5MHz / 64QAM

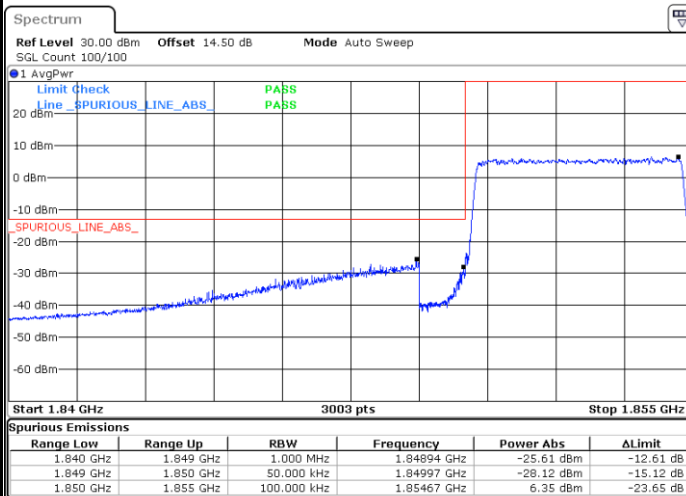
Lowest Band Edge / 1 RB



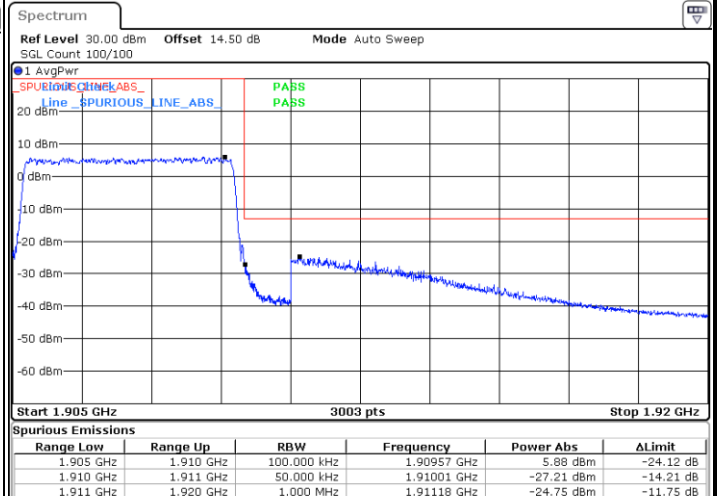
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



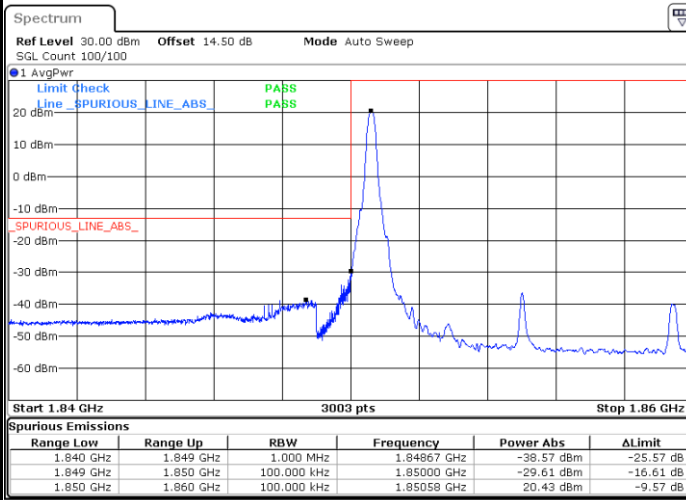
Highest Band Edge / Full RB





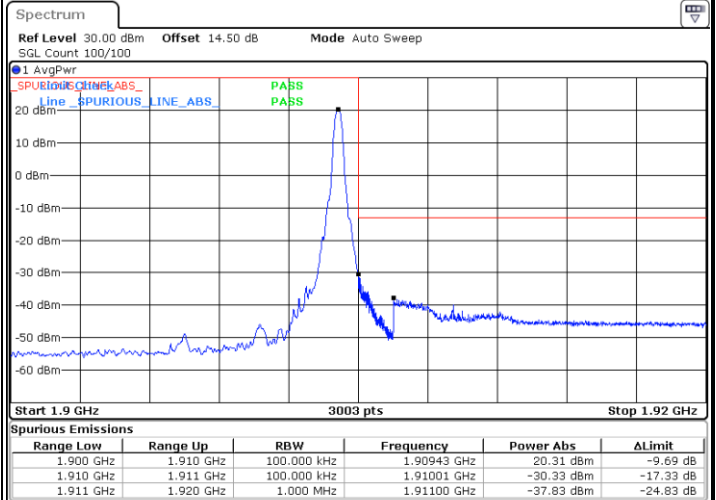
LTE Band 2 / 10MHz / QPSK

Lowest Band Edge / 1RB



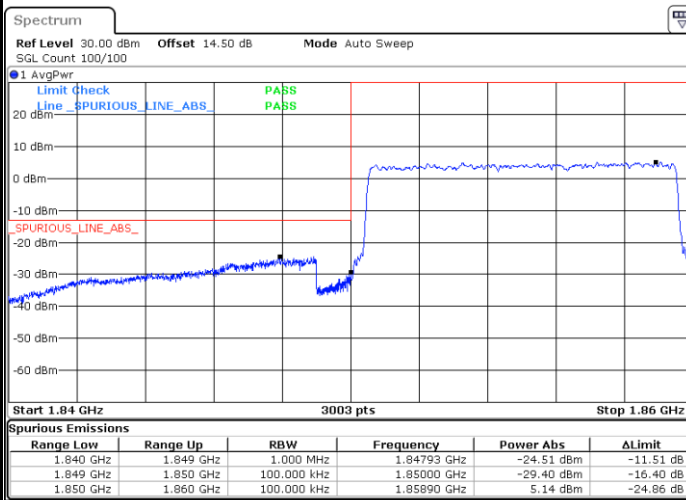
Date: 15 NOV 2024 19:01:29

Highest Band Edge / 1RB



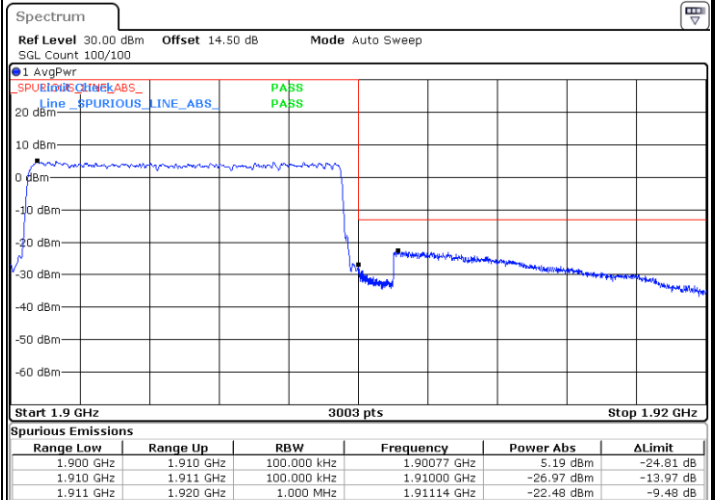
Date: 15 NOV 2024 19:09:14

Lowest Band Edge / Full RB



Date: 15 NOV 2024 19:03:47

Highest Band Edge / Full RB

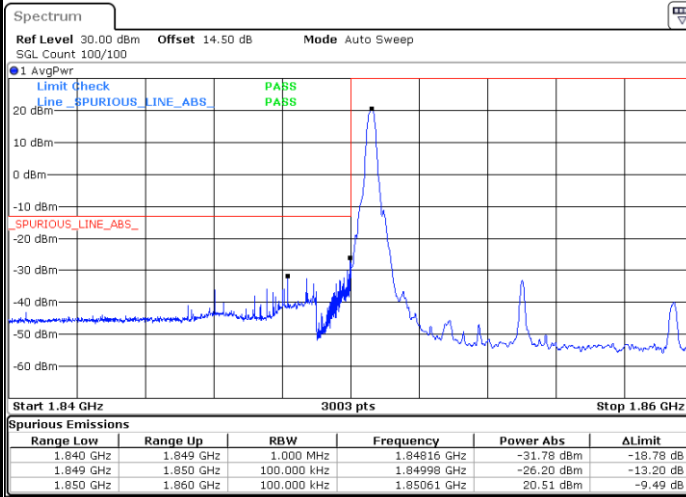


Date: 15 NOV 2024 19:11:32

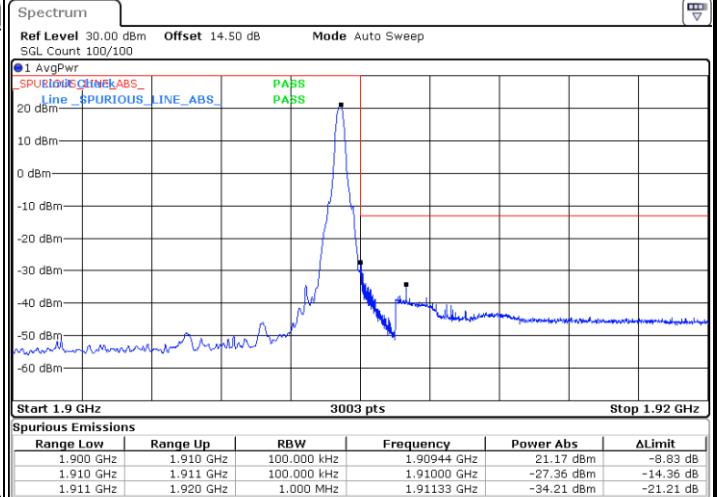


LTE Band 2 / 10MHz / 16QAM

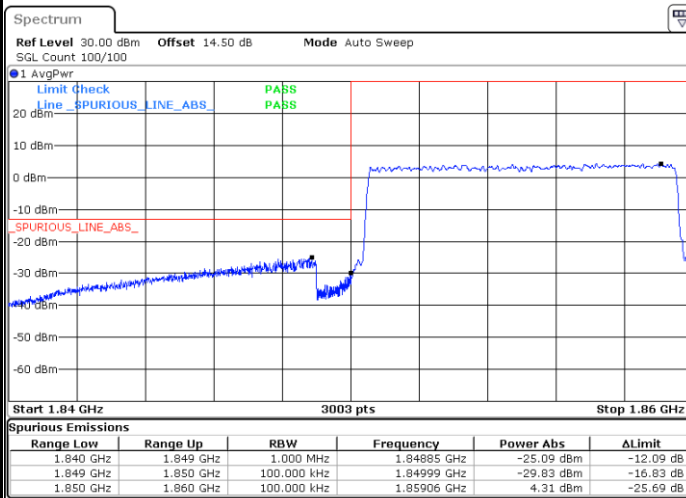
Lowest Band Edge / 1 RB



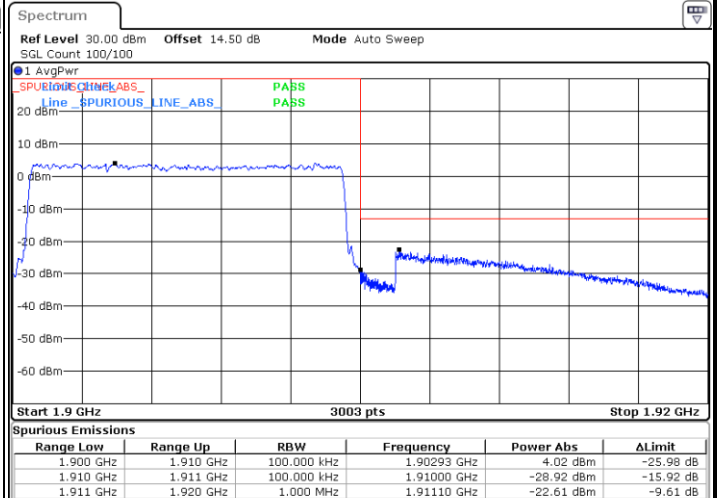
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



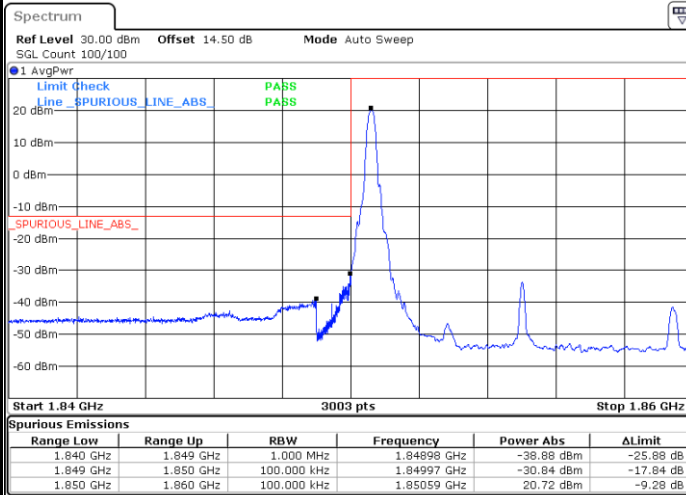
Highest Band Edge / Full RB



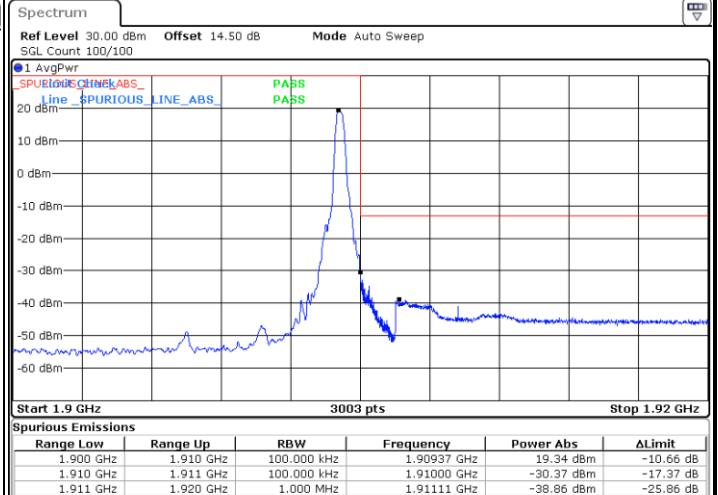


LTE Band 2 / 10MHz / 64QAM

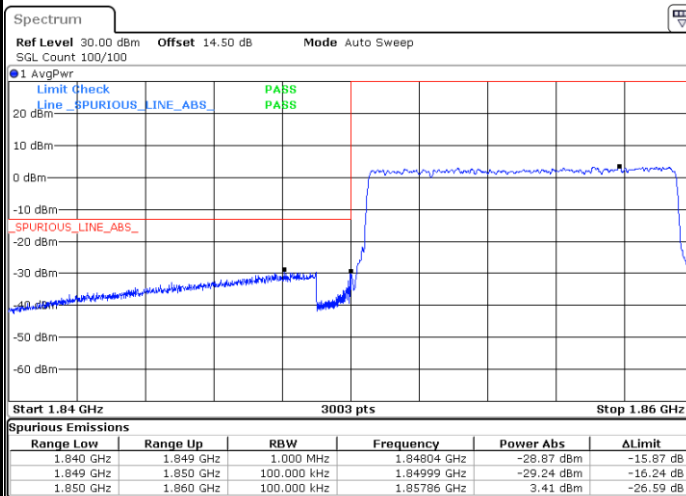
Lowest Band Edge / 1 RB



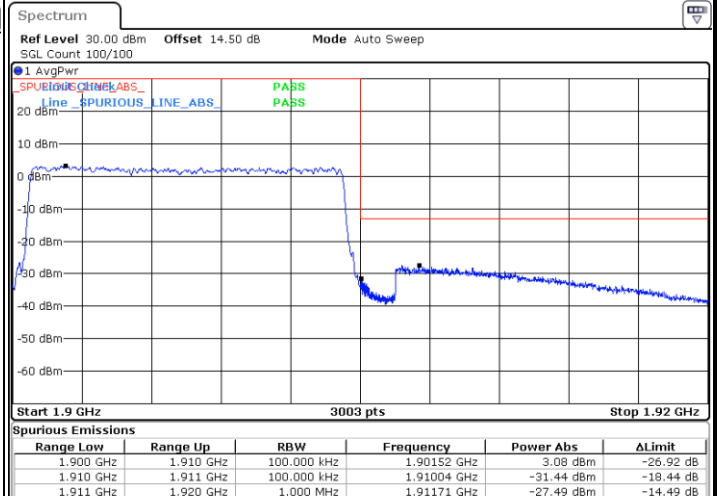
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



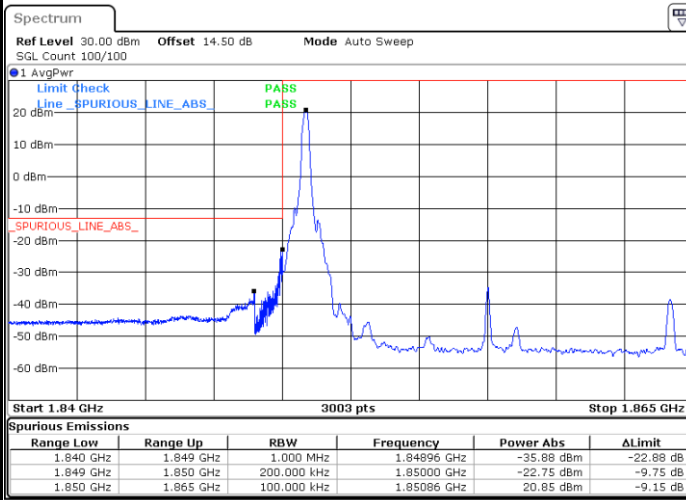
Highest Band Edge / Full RB





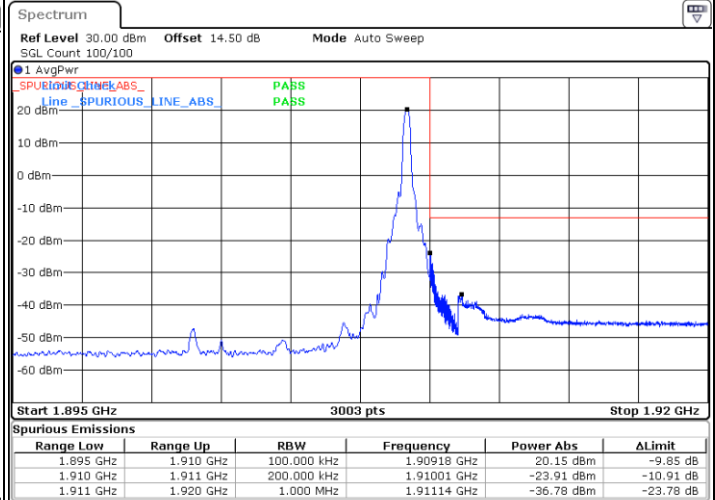
LTE Band 2 / 15MHz / QPSK

Lowest Band Edge / 1RB



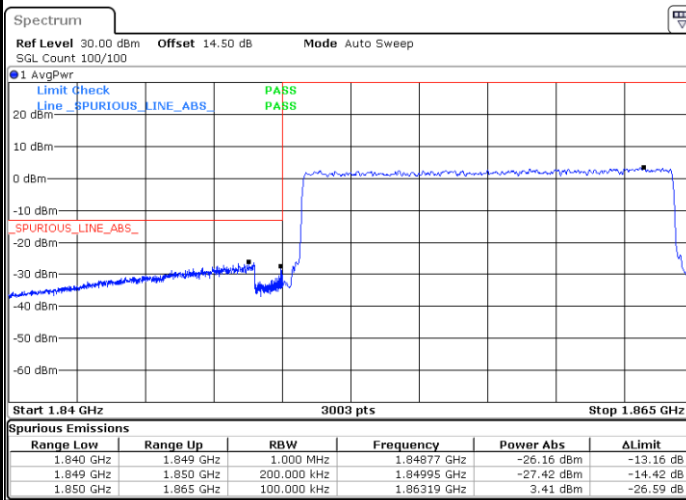
Date: 15 NOV 2024 19:15:27

Highest Band Edge / 1RB



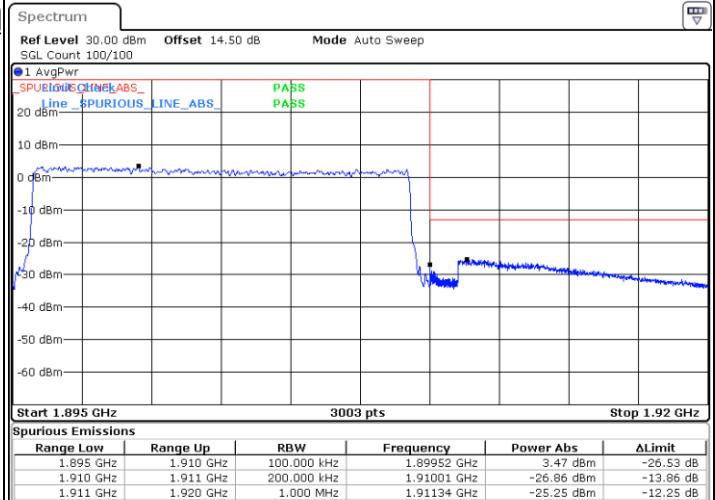
Date: 15 NOV 2024 19:23:12

Lowest Band Edge / Full RB



Date: 15 NOV 2024 19:17:45

Highest Band Edge / Full RB

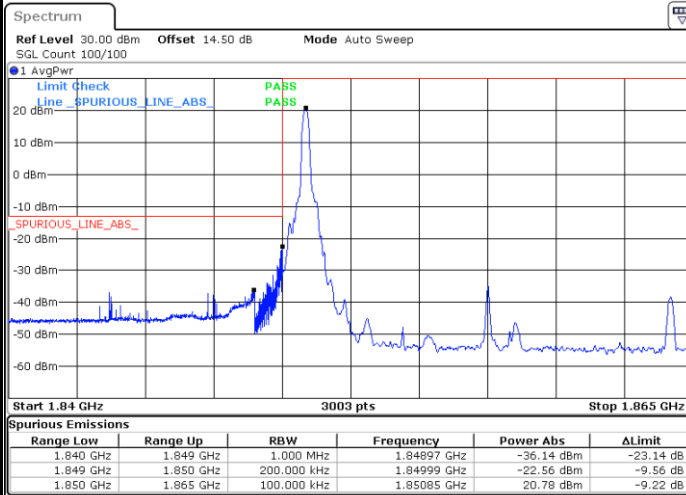


Date: 15 NOV 2024 19:25:30



LTE Band 2 / 15MHz / 16QAM

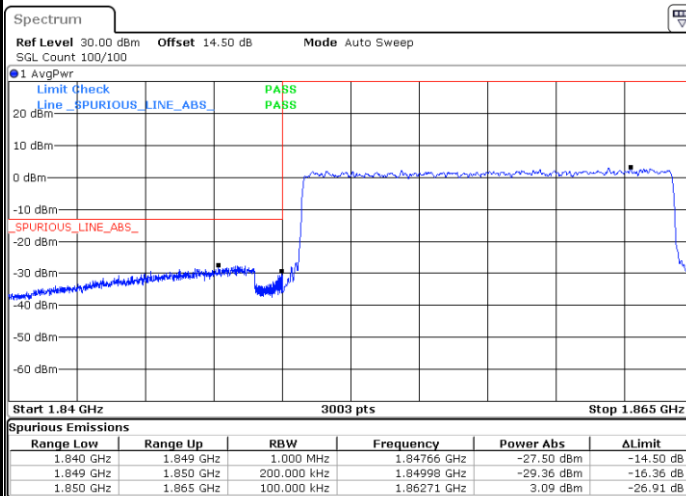
Lowest Band Edge / 1 RB



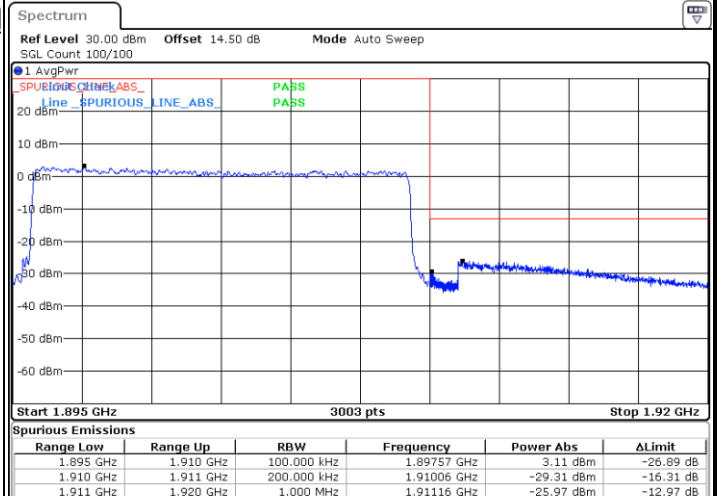
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



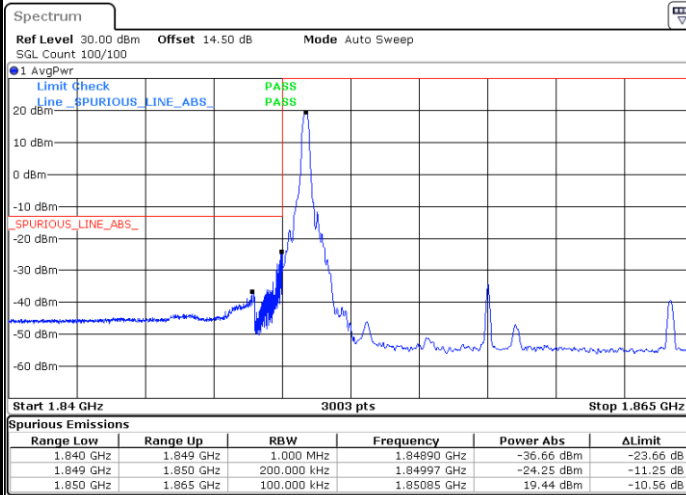
Highest Band Edge / Full RB



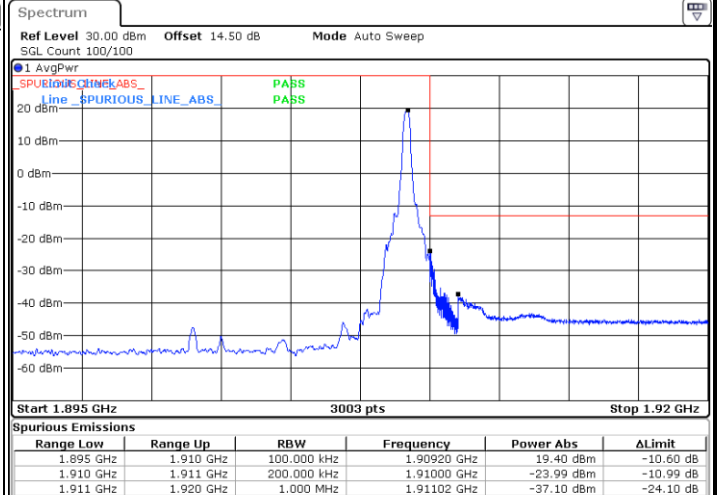


LTE Band 2 / 15MHz / 64QAM

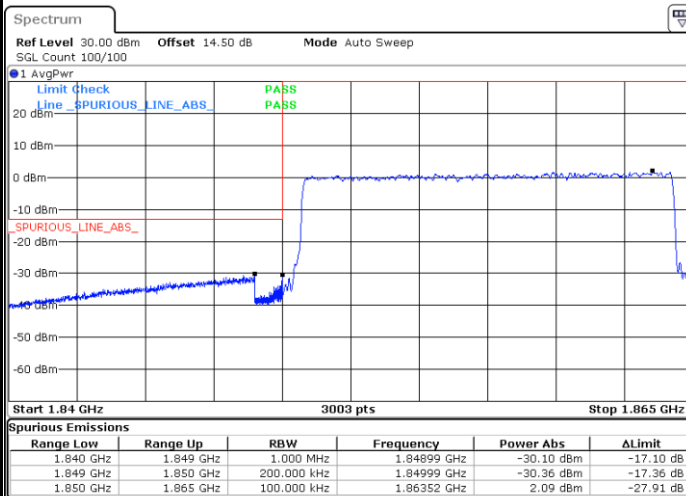
Lowest Band Edge / 1 RB



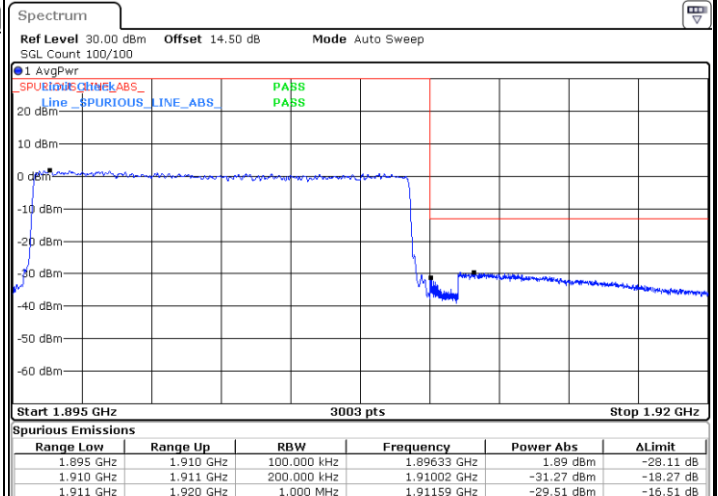
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



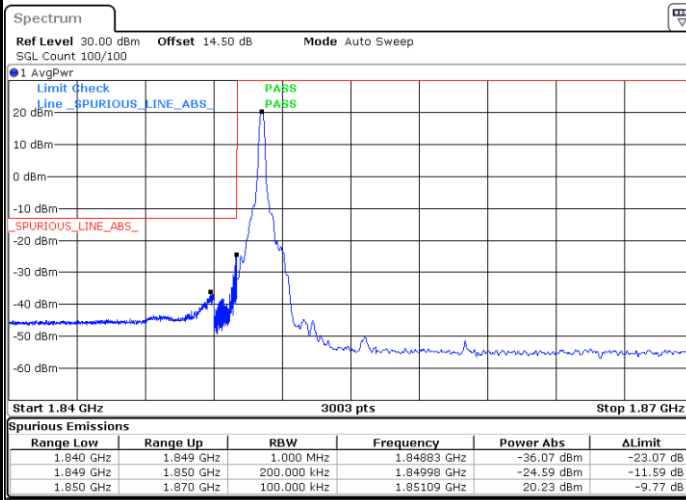
Highest Band Edge / Full RB





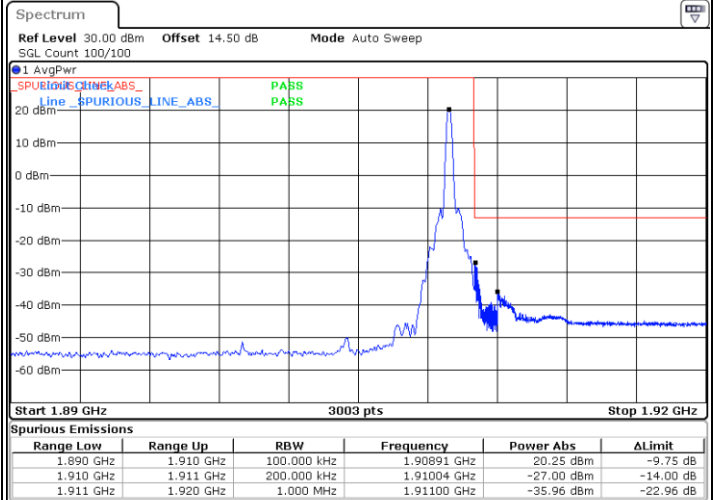
LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / 1RB



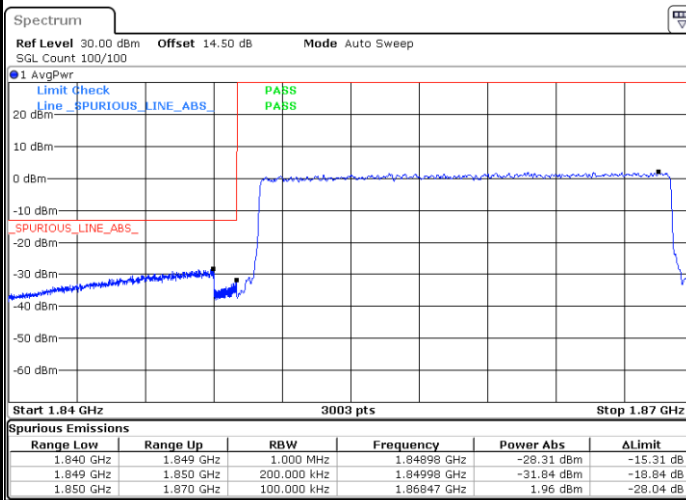
Date: 15 NOV 2024 19:29:26

Highest Band Edge / 1RB



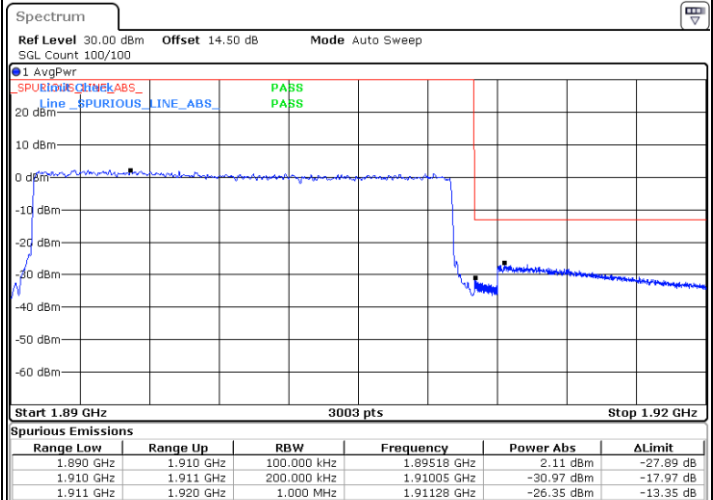
Date: 15 NOV 2024 19:37:10

Lowest Band Edge / Full RB



Date: 15 NOV 2024 19:31:44

Highest Band Edge / Full RB



Date: 15 NOV 2024 19:39:28