



FCC RF Test Report

APPLICANT : Motorola Mobility LLC
EQUIPMENT : Mobile Cellular Phone
BRAND NAME : Motorola
MODEL NAME : XT2519-1, XT2519-2, XT2519V
FCC ID : IHDT56AU6
STANDARD : 47 CFR Part 24(E), 27(L)
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S) : Jan. 19, 2025 ~ Jan. 23, 2025

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.

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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



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG510740B	Rev. 01	Initial issue of report	Mar. 07, 2025

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	PASS	-
	§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(h)	Conducted Band Edge Measurement (Band 2) (Band 4) (Band 25) (Band 66)	< 43+10log ₁₀ (P[Watts])	PASS	-
3.8	§2.1051 §22.917(a) §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 §22.917(a) §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 28.27 dB at 10180.00 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	XT2519-1, XT2519-2, XT2519V
FCC ID	IHDT56AU6
IMEI Code	Conducted: 355782390039091/355782390039109 Radiation: 355782390037798/355782390037806
HW Version	DVT2
SW Version	V2VD35.27
EUT Stage	Identical Prototype

Remark:

1. The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.
2. The different model name is different for market purpose.

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 ~ 2180 MHz
Bandwidth	LTE Band 2 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 4 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 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 : 22.63 dBm LTE Band 4 : 22.45 dBm LTE Band 25 : 22.59 dBm LTE Band 66 : 22.45 dBm <ANT1>: LTE Band 2 : 22.37 dBm LTE Band 4 : 22.42 dBm LTE Band 25 : 22.47 dBm LTE Band 66 : 22.55 dBm
Antenna Gain	<ANT0>: LTE Band 2 : -2.61 dBi LTE Band 4 : -2.27 dBi LTE Band 25 : -2.37 dBi LTE Band 66 : -2.27 dBi <ANT1>: LTE Band 2 : -3.3 dBi LTE Band 4 : -4.7 dBi LTE Band 25 : -3.3 dBi LTE Band 66 : -4.7 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 for LTE Band2/4/25/66 are shown in the report.
2. The device supports two PAs for LTE Band 2/4/25/66, (main PA and other PA), both the PAs are full tested, only the worst EIRP are shown in the report. According to the maximum power between SA and NSA mode, SA covers NSA mode for main PA, and NSA covers SA mode for other PA.

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	0.0991	1M09G7D	0.0847	1M10W7D
3	1851.5 ~ 1908.5	0.0995	2M72G7D	0.0851	2M72W7D
5	1852.5 ~ 1907.5	0.0982	4M51G7D	0.0849	4M48W7D
10	1855.0 ~ 1905.0	0.0979	9M05G7D	0.0847	9M01W7D
15	1857.5 ~ 1902.5	0.0991	13M4G7D	0.0834	13M5W7D
20	1860.0 ~ 1900.0	0.1005	17M8G7D	0.0859	17M8W7D
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	0.1038	1M09G7D	0.0867	1M10W7D
3	1851.5 ~ 1913.5	0.1040	2M72G7D	0.0879	2M72W7D
5	1852.5 ~ 1912.5	0.1026	4M51G7D	0.0875	4M48W7D
10	1855.0 ~ 1910.0	0.1038	9M05G7D	0.0883	9M01W7D
15	1857.5 ~ 1907.5	0.1035	13M4G7D	0.0875	13M5W7D
20	1860.0 ~ 1905.0	0.1052	17M8G7D	0.0891	17M8W7D
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	0.1021	1M09G7D	0.0867	1M09W7D
3	1711.5 ~ 1753.5	0.1028	2M72G7D	0.0855	2M70W7D
5	1712.5 ~ 1752.5	0.1023	4M50G7D	0.0863	4M50W7D
10	1715.0 ~ 1750.0	0.1028	9M03G7D	0.0877	9M05W7D
15	1717.5 ~ 1747.5	0.1012	13M5G7D	0.0857	13M4W7D
20	1720.0 ~ 1745.0	0.1042	17M9G7D	0.0885	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	0.1026	1M09G7D	0.0881	1M09W7D
3	1711.5 ~ 1778.5	0.1028	2M72G7D	0.0875	2M70W7D
5	1712.5 ~ 1777.5	0.1005	4M50G7D	0.0879	4M50W7D
10	1715.0 ~ 1775.0	0.1021	9M03G7D	0.0875	9M05W7D
15	1717.5 ~ 1772.5	0.1012	13M5G7D	0.0877	13M4W7D



20	1720.0 ~ 1770.0	0.1042	17M9G7D	0.0889	17M9W7D
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Note:

1. 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. 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.
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.
	TH01-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	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City, Guangdong Province 518103 People's Republic of China TEL: +86-755-86066985		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	03CH03-SZ	CN1256	421272

Test data subcontracted: Radiated Spurious Emission test case in section 4 of this report

1.8 Test Software

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

1.9 Applicable Standards

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

- ♦ 47 CFR Part 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	Brand Name	Motorola(ATL)	Model Name	RM52
USB Cable 1	Brand Name	Motorola(saibao)	Model Name	SC18D86731
USB Cable 2	Brand Name	Motorola(Luxshare)	Model Name	SC18E08103



2 Test Configuration of Equipment Under Test

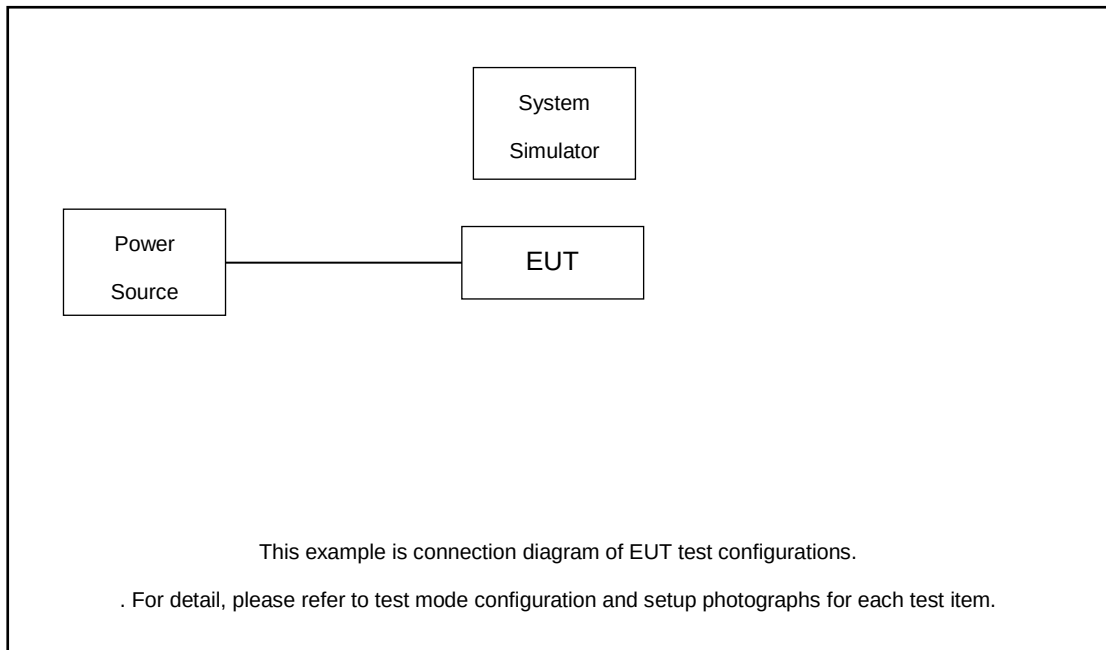
2.1 Test Mode

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	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-Average Ratio	25						v	v	v	v				v		v	
	66						v	v	v	v				v		v	
26dB and 99% Bandwidth	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	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	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	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	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.																

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

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

2.4 Measurement Results Explanation Example

For all conducted test items:

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

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

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

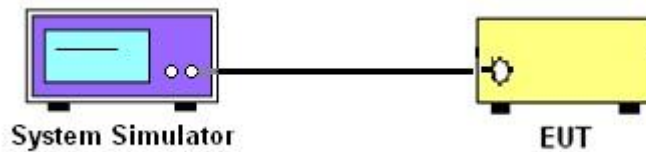
3 Conducted Test Items

3.1 Measuring Instruments

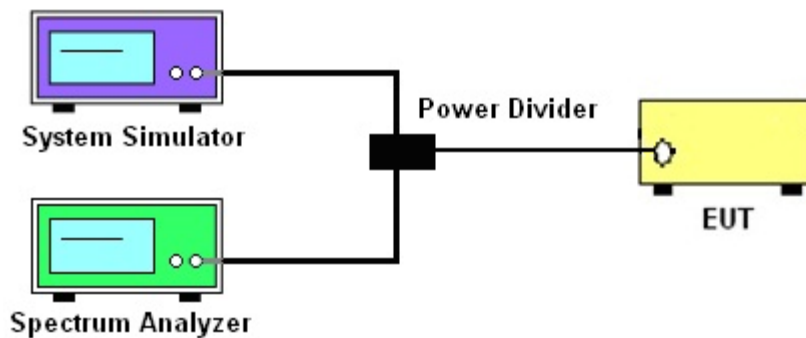
See list of measuring instruments of this test report.

3.2 Test Setup

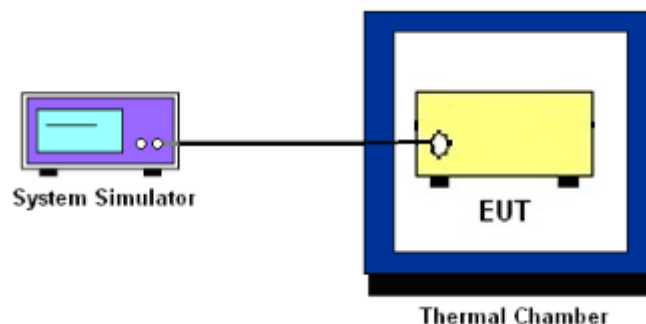
3.2.1 Conducted Output Power



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 or a narrower RBW was used and the measured power was integrated over the full required measurement bandwidth of 1 MHz.
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)
 $= -13$ dBm.

3.9 Frequency Stability

3.9.1 Description of Frequency Stability Measurement

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

3.9.2 Test Procedures for Temperature Variation

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

3.9.3 Test Procedures for Voltage Variation

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

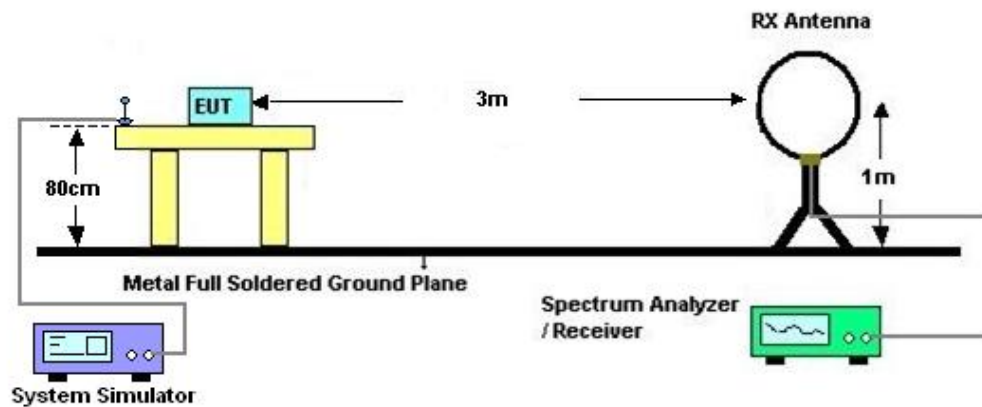
4 Radiated Test Items

4.1 Measuring Instruments

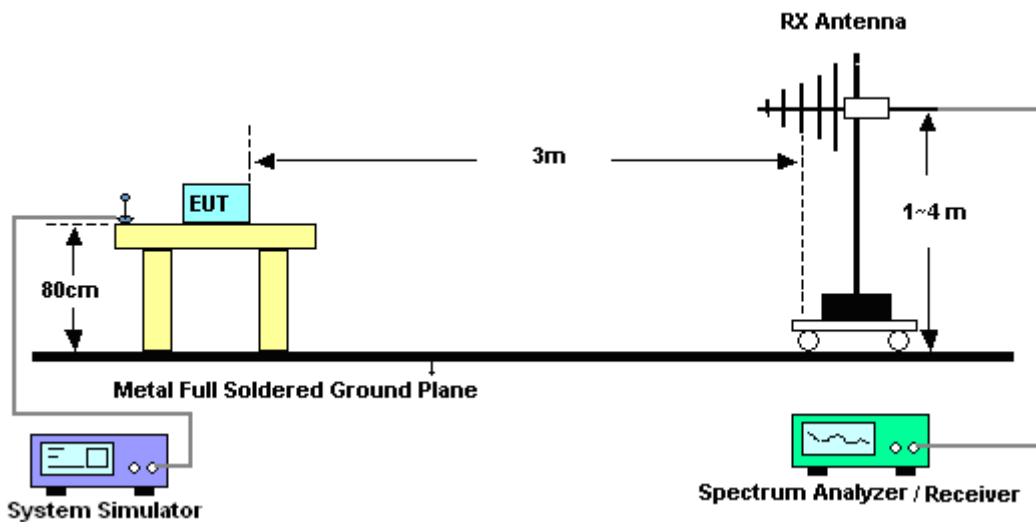
See list of measuring instruments of this test report.

4.2 Test Setup

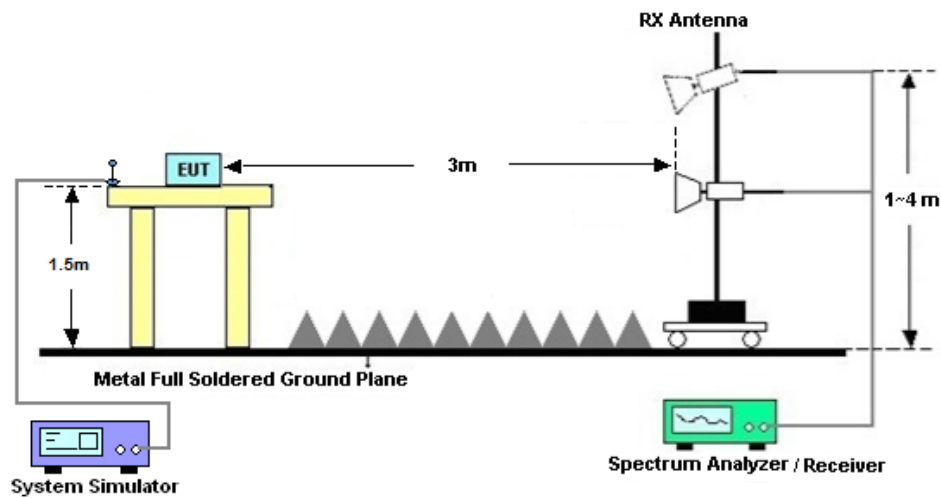
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

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

Please refer to Appendix B.

4.4 Radiated Spurious Emission

4.4.1 Description of Radiated Spurious Emission

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

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	101040	10Hz~40GHz	Oct. 10, 2024	Jan. 19, 2025~ Jan. 22, 2025	Oct. 09, 2025	Conducted (TH01-KS)
Power divider	STI	STI08-0055	-	0.5~40GHz	NCR	Jan. 19, 2025~ Jan. 22, 2025	NCR	Conducted (TH01-KS)
Temperature & humidity chamber	Hongzhan	LP-150U	H2014011440	-40~+150°C 20%~95%RH	Jul. 04, 2024	Jan. 19, 2025~ Jan. 22, 2025	Jul. 03, 2025	Conducted (TH01-KS)
EMI Test Receiver&SA	KEYSIGHT	N9038A	MY54450083	20Hz~8.4GHz	Apr. 09, 2024	Jan. 23, 2025	Apr. 08, 2025	Radiation (03CH03-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 28, 2024	Jan. 23, 2025	Dec. 27, 2025	Radiation (03CH03-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150246	10Hz~44GHz;	Apr. 09, 2024	Jan. 23, 2025	Apr. 08, 2025	Radiation (03CH03-SZ)
Bilog Antenna	TeseQ	CBL6112D	35408	30MHz~2GHz	Aug. 20, 2023	Jan. 23, 2025	Aug. 19, 2025	Radiation (03CH03-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1355	1GHz~18GHz	Apr. 09, 2024	Jan. 23, 2025	Apr. 08, 2025	Radiation (03CH03-SZ)
LF Amplifier	Burgeon	BPA-530	102209	0.01~3000Mhz	Apr. 09, 2024	Jan. 23, 2025	Apr. 08, 2025	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 03, 2024	Jan. 23, 2025	Jul. 02, 2025	Radiation (03CH03-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz~40GHz	Apr. 09, 2024	Jan. 23, 2025	Apr. 08, 2025	Radiation (03CH03-SZ)
AC Power Source	Chroma	61601	616010002729	N/A	Oct. 18, 2024	Jan. 23, 2025	Oct. 17, 2025	Radiation (03CH03-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Jan. 23, 2025	NCR	Radiation (03CH03-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Jan. 23, 2025	NCR	Radiation (03CH03-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 Spurious Emission & Bandedge	± 2.22 dB
Occupied Channel Bandwidth	$\pm 0.1\%$
Conducted Power	± 0.50 dB
Peak to Average Ratio	± 0.90 dB
Frequency Stability	± 0.04 ppm

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.0 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.6 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.8 dB
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----- THE END -----



Appendix A. Test Results of Conducted Test

Test Engineer :	Fly	Temperature :	22~23℃
		Relative Humidity :	40~42%

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	22.36	22.63	22.54	0.0944	0.1005	0.0984
20	QPSK	1	49	22.27	22.53	22.51	0.0925	0.0982	0.0977
20	QPSK	1	99	22.29	22.56	22.43	0.0929	0.0989	0.0959
20	QPSK	50	0	21.59	21.68	21.59	0.0791	0.0807	0.0791
20	QPSK	50	24	21.48	21.54	21.53	0.0771	0.0782	0.0780
20	QPSK	50	50	21.47	21.61	21.56	0.0769	0.0794	0.0785
20	QPSK	100	0	21.60	21.67	21.61	0.0793	0.0805	0.0794
20	16QAM	1	0	21.86	21.95	21.85	0.0841	0.0859	0.0839
20	16QAM	1	49	21.79	21.91	21.75	0.0828	0.0851	0.0820
20	16QAM	1	99	21.73	21.86	21.83	0.0817	0.0841	0.0836
20	16QAM	50	0	20.54	20.64	20.62	0.0621	0.0635	0.0632
20	16QAM	50	24	20.43	20.56	20.49	0.0605	0.0624	0.0614
20	16QAM	50	50	20.46	20.51	20.55	0.0610	0.0617	0.0622
20	16QAM	100	0	20.56	20.60	20.54	0.0624	0.0630	0.0621
20	64QAM	1	0	20.66	20.78	20.69	0.0638	0.0656	0.0643
20	64QAM	1	49	20.58	20.74	20.63	0.0627	0.0650	0.0634
20	64QAM	1	99	20.58	20.72	20.67	0.0627	0.0647	0.0640
20	64QAM	50	0	19.54	19.65	19.57	0.0493	0.0506	0.0497
20	64QAM	50	24	19.45	19.60	19.53	0.0483	0.0500	0.0492
20	64QAM	50	50	19.46	19.52	19.48	0.0484	0.0491	0.0486
20	64QAM	100	0	19.51	19.63	19.54	0.0490	0.0504	0.0493
20	256QAM	1	0	17.65	17.68	17.65	0.0319	0.0321	0.0319
20	256QAM	1	49	17.53	17.57	17.56	0.0310	0.0313	0.0313
20	256QAM	1	99	17.58	17.62	17.62	0.0314	0.0317	0.0317
20	256QAM	50	0	17.60	17.63	17.59	0.0316	0.0318	0.0315
20	256QAM	50	24	17.50	17.53	17.56	0.0308	0.0310	0.0313
20	256QAM	50	50	17.50	17.60	17.54	0.0308	0.0316	0.0311
20	256QAM	100	0	17.52	17.61	17.52	0.0310	0.0316	0.0310
Channel				18675	18900	19125	EIRP(W)		
Frequency (MHz)				1857.5	1880	1902.5	L	M	H



15	QPSK	1	0	22.32	22.57	22.44	0.0935	0.0991	0.0962
15	QPSK	1	37	22.19	22.41	22.37	0.0908	0.0955	0.0946
15	QPSK	1	74	22.24	22.54	22.35	0.0918	0.0984	0.0942
15	QPSK	36	0	21.46	21.64	21.55	0.0767	0.0800	0.0783
15	QPSK	36	20	21.36	21.46	21.44	0.0750	0.0767	0.0764
15	QPSK	36	39	21.34	21.56	21.54	0.0746	0.0785	0.0782
15	QPSK	75	0	21.57	21.59	21.56	0.0787	0.0791	0.0785
15	16QAM	1	0	21.73	21.82	21.75	0.0817	0.0834	0.0820
15	16QAM	1	37	21.71	21.78	21.71	0.0813	0.0826	0.0813
15	16QAM	1	74	21.68	21.81	21.70	0.0807	0.0832	0.0811
15	16QAM	36	0	20.44	20.51	20.55	0.0607	0.0617	0.0622
15	16QAM	36	20	20.40	20.42	20.36	0.0601	0.0604	0.0596
15	16QAM	36	39	20.33	20.40	20.49	0.0592	0.0601	0.0614
15	16QAM	75	0	20.44	20.55	20.43	0.0607	0.0622	0.0605
15	64QAM	1	0	20.62	20.69	20.57	0.0632	0.0643	0.0625
15	64QAM	1	37	20.45	20.67	20.56	0.0608	0.0640	0.0624
15	64QAM	1	74	20.54	20.59	20.61	0.0621	0.0628	0.0631
15	64QAM	36	0	19.43	19.59	19.52	0.0481	0.0499	0.0491
15	64QAM	36	20	19.36	19.58	19.42	0.0473	0.0498	0.0480
15	64QAM	36	39	19.33	19.42	19.42	0.0470	0.0480	0.0480
15	64QAM	75	0	19.43	19.53	19.48	0.0481	0.0492	0.0486
15	256QAM	1	0	17.54	17.62	17.58	0.0311	0.0317	0.0314
15	256QAM	1	37	17.50	17.50	17.47	0.0308	0.0308	0.0306
15	256QAM	1	74	17.53	17.57	17.58	0.0310	0.0313	0.0314
15	256QAM	36	0	17.57	17.58	17.55	0.0313	0.0314	0.0312
15	256QAM	36	20	17.37	17.51	17.42	0.0299	0.0309	0.0303
15	256QAM	36	39	17.44	17.54	17.49	0.0304	0.0311	0.0308
15	256QAM	75	0	17.47	17.57	17.49	0.0306	0.0313	0.0308
Channel				18650	18900	19150	EIRP(W)		
Frequency (MHz)				1855	1880	1905	L	M	H
10	QPSK	1	0	22.23	22.51	22.52	0.0916	0.0977	0.0979
10	QPSK	1	25	22.14	22.50	22.49	0.0897	0.0975	0.0973
10	QPSK	1	49	22.17	22.51	22.35	0.0904	0.0977	0.0942
10	QPSK	25	0	21.57	21.55	21.52	0.0787	0.0783	0.0778
10	QPSK	25	12	21.37	21.41	21.48	0.0752	0.0759	0.0771
10	QPSK	25	25	21.38	21.50	21.46	0.0753	0.0774	0.0767
10	QPSK	50	0	21.49	21.58	21.54	0.0773	0.0789	0.0782
10	16QAM	1	0	21.82	21.81	21.73	0.0834	0.0832	0.0817
10	16QAM	1	25	21.71	21.89	21.61	0.0813	0.0847	0.0794
10	16QAM	1	49	21.67	21.80	21.74	0.0805	0.0830	0.0818
10	16QAM	25	0	20.52	20.51	20.49	0.0618	0.0617	0.0614
10	16QAM	25	12	20.30	20.48	20.45	0.0587	0.0612	0.0608
10	16QAM	25	25	20.37	20.49	20.46	0.0597	0.0614	0.0610
10	16QAM	50	0	20.49	20.53	20.41	0.0614	0.0619	0.0603
10	64QAM	1	0	20.63	20.66	20.57	0.0634	0.0638	0.0625
10	64QAM	1	25	20.50	20.68	20.57	0.0615	0.0641	0.0625
10	64QAM	1	49	20.45	20.61	20.61	0.0608	0.0631	0.0631



10	64QAM	25	0	19.51	19.52	19.43	0.0490	0.0491	0.0481
10	64QAM	25	12	19.35	19.48	19.47	0.0472	0.0486	0.0485
10	64QAM	25	25	19.36	19.43	19.35	0.0473	0.0481	0.0472
10	64QAM	50	0	19.43	19.56	19.42	0.0481	0.0495	0.0480
10	256QAM	1	0	17.56	17.62	17.53	0.0313	0.0317	0.0310
10	256QAM	1	25	17.42	17.48	17.53	0.0303	0.0307	0.0310
10	256QAM	1	49	17.55	17.56	17.57	0.0312	0.0313	0.0313
10	256QAM	25	0	17.58	17.60	17.48	0.0314	0.0316	0.0307
10	256QAM	25	12	17.40	17.41	17.44	0.0301	0.0302	0.0304
10	256QAM	25	25	17.39	17.54	17.47	0.0301	0.0311	0.0306
10	256QAM	50	0	17.48	17.54	17.44	0.0307	0.0311	0.0304
Channel				18625	18900	19175	EIRP(W)		
Frequency (MHz)				1852.5	1880	1907.5	L	M	H
5	QPSK	1	0	22.31	22.53	22.48	0.0933	0.0982	0.0971
5	QPSK	1	12	22.24	22.46	22.48	0.0918	0.0966	0.0971
5	QPSK	1	24	22.22	22.43	22.33	0.0914	0.0959	0.0938
5	QPSK	12	0	21.48	21.65	21.48	0.0771	0.0802	0.0771
5	QPSK	12	7	21.38	21.44	21.42	0.0753	0.0764	0.0760
5	QPSK	12	13	21.33	21.52	21.42	0.0745	0.0778	0.0760
5	QPSK	25	0	21.49	21.58	21.49	0.0773	0.0789	0.0773
5	16QAM	1	0	21.74	21.90	21.77	0.0818	0.0849	0.0824
5	16QAM	1	12	21.66	21.82	21.72	0.0804	0.0834	0.0815
5	16QAM	1	24	21.60	21.79	21.76	0.0793	0.0828	0.0822
5	16QAM	12	0	20.42	20.58	20.54	0.0604	0.0627	0.0621
5	16QAM	12	7	20.33	20.53	20.45	0.0592	0.0619	0.0608
5	16QAM	12	13	20.41	20.44	20.52	0.0603	0.0607	0.0618
5	16QAM	25	0	20.48	20.52	20.40	0.0612	0.0618	0.0601
5	64QAM	1	0	20.55	20.75	20.58	0.0622	0.0652	0.0627
5	64QAM	1	12	20.46	20.62	20.59	0.0610	0.0632	0.0628
5	64QAM	1	24	20.44	20.59	20.61	0.0607	0.0628	0.0631
5	64QAM	12	0	19.42	19.55	19.55	0.0480	0.0494	0.0494
5	64QAM	12	7	19.35	19.53	19.46	0.0472	0.0492	0.0484
5	64QAM	12	13	19.36	19.38	19.43	0.0473	0.0475	0.0481
5	64QAM	25	0	19.46	19.52	19.44	0.0484	0.0491	0.0482
5	256QAM	1	0	17.60	17.56	17.54	0.0316	0.0313	0.0311
5	256QAM	1	12	17.39	17.44	17.53	0.0301	0.0304	0.0310
5	256QAM	1	24	17.56	17.51	17.58	0.0313	0.0309	0.0314
5	256QAM	12	0	17.52	17.55	17.56	0.0310	0.0312	0.0313
5	256QAM	12	7	17.42	17.48	17.44	0.0303	0.0307	0.0304
5	256QAM	12	13	17.39	17.56	17.45	0.0301	0.0313	0.0305
5	256QAM	25	0	17.47	17.57	17.48	0.0306	0.0313	0.0307
Channel				18615	18900	19185	EIRP(W)		
Frequency (MHz)				1851.5	1880	1908.5	L	M	H
3	QPSK	1	0	22.25	22.59	22.45	0.0920	0.0995	0.0964
3	QPSK	1	8	22.21	22.44	22.39	0.0912	0.0962	0.0951
3	QPSK	1	14	22.17	22.48	22.35	0.0904	0.0971	0.0942
3	QPSK	8	0	21.55	21.59	21.46	0.0783	0.0791	0.0767



3	QPSK	8	4	21.39	21.45	21.48	0.0755	0.0766	0.0771
3	QPSK	8	7	21.35	21.56	21.49	0.0748	0.0785	0.0773
3	QPSK	15	0	21.48	21.62	21.52	0.0771	0.0796	0.0778
3	16QAM	1	0	21.81	21.91	21.79	0.0832	0.0851	0.0828
3	16QAM	1	8	21.69	21.84	21.71	0.0809	0.0838	0.0813
3	16QAM	1	14	21.65	21.81	21.69	0.0802	0.0832	0.0809
3	16QAM	8	0	20.43	20.54	20.49	0.0605	0.0621	0.0614
3	16QAM	8	4	20.34	20.45	20.38	0.0593	0.0608	0.0598
3	16QAM	8	7	20.41	20.41	20.52	0.0603	0.0603	0.0618
3	16QAM	15	0	20.42	20.53	20.46	0.0604	0.0619	0.0610
3	64QAM	1	0	20.54	20.76	20.65	0.0621	0.0653	0.0637
3	64QAM	1	8	20.49	20.66	20.61	0.0614	0.0638	0.0631
3	64QAM	1	14	20.50	20.63	20.54	0.0615	0.0634	0.0621
3	64QAM	8	0	19.49	19.59	19.54	0.0488	0.0499	0.0493
3	64QAM	8	4	19.34	19.54	19.39	0.0471	0.0493	0.0476
3	64QAM	8	7	19.35	19.48	19.46	0.0472	0.0486	0.0484
3	64QAM	15	0	19.45	19.57	19.50	0.0483	0.0497	0.0489
3	256QAM	1	0	17.56	17.54	17.54	0.0313	0.0311	0.0311
3	256QAM	1	8	17.49	17.49	17.50	0.0308	0.0308	0.0308
3	256QAM	1	14	17.54	17.49	17.59	0.0311	0.0308	0.0315
3	256QAM	8	0	17.56	17.50	17.51	0.0313	0.0308	0.0309
3	256QAM	8	4	17.37	17.39	17.53	0.0299	0.0301	0.0310
3	256QAM	8	7	17.45	17.54	17.44	0.0305	0.0311	0.0304
3	256QAM	15	0	17.40	17.53	17.45	0.0301	0.0310	0.0305
Channel				18607	18900	19193	EIRP(W)		
Frequency (MHz)				1850.7	1880	1909.3	L	M	H
1.4	QPSK	1	0	22.31	22.57	22.44	0.0933	0.0991	0.0962
1.4	QPSK	1	3	22.25	22.41	22.45	0.0920	0.0955	0.0964
1.4	QPSK	1	5	22.23	22.42	22.40	0.0916	0.0957	0.0953
1.4	QPSK	3	0	22.17	22.51	22.38	0.0904	0.0977	0.0948
1.4	QPSK	3	1	22.18	22.27	22.34	0.0906	0.0925	0.0940
1.4	QPSK	3	3	22.12	22.28	22.32	0.0893	0.0927	0.0935
1.4	QPSK	6	0	21.50	21.56	21.56	0.0774	0.0785	0.0785
1.4	16QAM	1	0	21.78	21.89	21.79	0.0826	0.0847	0.0828
1.4	16QAM	1	3	21.68	21.80	21.63	0.0807	0.0830	0.0798
1.4	16QAM	1	5	21.70	21.77	21.69	0.0811	0.0824	0.0809
1.4	16QAM	3	0	21.67	21.83	21.73	0.0805	0.0836	0.0817
1.4	16QAM	3	1	21.61	21.67	21.51	0.0794	0.0805	0.0776
1.4	16QAM	3	3	21.55	21.64	21.65	0.0783	0.0800	0.0802
1.4	16QAM	6	0	20.53	20.56	20.47	0.0619	0.0624	0.0611
1.4	64QAM	1	0	20.63	20.71	20.58	0.0634	0.0646	0.0627
1.4	64QAM	1	3	20.50	20.64	20.50	0.0615	0.0635	0.0615
1.4	64QAM	1	5	20.46	20.68	20.64	0.0610	0.0641	0.0635
1.4	64QAM	3	0	20.52	20.64	20.42	0.0618	0.0635	0.0604
1.4	64QAM	3	1	20.40	20.57	20.36	0.0601	0.0625	0.0596
1.4	64QAM	3	3	20.32	20.55	20.51	0.0590	0.0622	0.0617
1.4	64QAM	6	0	19.40	19.60	19.44	0.0478	0.0500	0.0482



1.4	256QAM	1	0	17.59	17.61	17.57	0.0315	0.0316	0.0313
1.4	256QAM	1	3	17.40	17.49	17.49	0.0301	0.0308	0.0308
1.4	256QAM	1	5	17.51	17.53	17.57	0.0309	0.0310	0.0313
1.4	256QAM	3	0	17.55	17.61	17.45	0.0312	0.0316	0.0305
1.4	256QAM	3	1	17.39	17.45	17.43	0.0301	0.0305	0.0303
1.4	256QAM	3	3	17.42	17.48	17.43	0.0303	0.0307	0.0303
1.4	256QAM	6	0	17.45	17.50	17.47	0.0305	0.0308	0.0306

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	22.35	22.45	22.41	0.1019	0.1042	0.1033
20	QPSK	1	49	22.29	22.37	22.28	0.1005	0.1023	0.1002
20	QPSK	1	99	22.33	22.38	22.28	0.1014	0.1026	0.1002
20	QPSK	50	0	21.46	21.50	21.41	0.0830	0.0838	0.0820
20	QPSK	50	24	21.39	21.39	21.33	0.0817	0.0817	0.0805
20	QPSK	50	50	21.38	21.38	21.35	0.0815	0.0815	0.0809
20	QPSK	100	0	21.38	21.51	21.41	0.0815	0.0839	0.0820
20	16QAM	1	0	21.62	21.74	21.67	0.0861	0.0885	0.0871
20	16QAM	1	49	21.53	21.65	21.62	0.0843	0.0867	0.0861
20	16QAM	1	99	21.53	21.67	21.60	0.0843	0.0871	0.0857
20	16QAM	50	0	20.45	20.47	20.43	0.0658	0.0661	0.0655
20	16QAM	50	24	20.40	20.44	20.32	0.0650	0.0656	0.0638
20	16QAM	50	50	20.34	20.38	20.35	0.0641	0.0647	0.0643
20	16QAM	100	0	20.45	20.49	20.36	0.0658	0.0664	0.0644
20	64QAM	1	0	20.51	20.64	20.52	0.0667	0.0687	0.0668
20	64QAM	1	49	20.38	20.60	20.47	0.0647	0.0681	0.0661
20	64QAM	1	99	20.46	20.62	20.48	0.0659	0.0684	0.0662
20	64QAM	50	0	19.39	19.48	19.38	0.0515	0.0526	0.0514
20	64QAM	50	24	19.27	19.42	19.33	0.0501	0.0519	0.0508
20	64QAM	50	50	19.35	19.43	19.28	0.0511	0.0520	0.0502
20	64QAM	100	0	19.39	19.51	19.40	0.0515	0.0530	0.0516
20	256QAM	1	0	17.44	17.56	17.54	0.0329	0.0338	0.0337
20	256QAM	1	49	17.39	17.46	17.44	0.0325	0.0330	0.0329
20	256QAM	1	99	17.31	17.43	17.46	0.0319	0.0328	0.0330
20	256QAM	50	0	17.40	17.48	17.36	0.0326	0.0332	0.0323
20	256QAM	50	24	17.33	17.39	17.27	0.0321	0.0325	0.0316
20	256QAM	50	50	17.37	17.43	17.24	0.0324	0.0328	0.0314
20	256QAM	100	0	17.42	17.53	17.49	0.0327	0.0336	0.0333
Channel				20025	20175	20325	EIRP(W)		
Frequency (MHz)				1717.5	1732.5	1747.5	L	M	H
15	QPSK	1	0	22.30	22.32	22.26	0.1007	0.1012	0.0998
15	QPSK	1	37	22.19	22.24	22.16	0.0982	0.0993	0.0975



15	QPSK	1	74	22.19	22.29	22.21	0.0982	0.1005	0.0986
15	QPSK	36	0	21.35	21.36	21.30	0.0809	0.0811	0.0800
15	QPSK	36	20	21.33	21.30	21.23	0.0805	0.0800	0.0787
15	QPSK	36	39	21.33	21.26	21.21	0.0805	0.0793	0.0783
15	QPSK	75	0	21.25	21.37	21.26	0.0791	0.0813	0.0793
15	16QAM	1	0	21.55	21.59	21.54	0.0847	0.0855	0.0845
15	16QAM	1	37	21.45	21.60	21.50	0.0828	0.0857	0.0838
15	16QAM	1	74	21.44	21.51	21.51	0.0826	0.0839	0.0839
15	16QAM	36	0	20.35	20.39	20.35	0.0643	0.0649	0.0643
15	16QAM	36	20	20.25	20.35	20.24	0.0628	0.0643	0.0627
15	16QAM	36	39	20.24	20.31	20.26	0.0627	0.0637	0.0630
15	16QAM	75	0	20.32	20.40	20.27	0.0638	0.0650	0.0631
15	64QAM	1	0	20.36	20.51	20.36	0.0644	0.0667	0.0644
15	64QAM	1	37	20.25	20.48	20.41	0.0628	0.0662	0.0652
15	64QAM	1	74	20.41	20.49	20.33	0.0652	0.0664	0.0640
15	64QAM	36	0	19.32	19.36	19.32	0.0507	0.0512	0.0507
15	64QAM	36	20	19.13	19.36	19.29	0.0485	0.0512	0.0504
15	64QAM	36	39	19.29	19.29	19.16	0.0504	0.0504	0.0489
15	64QAM	75	0	19.26	19.36	19.29	0.0500	0.0512	0.0504
15	256QAM	1	0	17.32	17.48	17.46	0.0320	0.0332	0.0330
15	256QAM	1	37	17.34	17.41	17.29	0.0321	0.0327	0.0318
15	256QAM	1	74	17.20	17.35	17.31	0.0311	0.0322	0.0319
15	256QAM	36	0	17.25	17.40	17.24	0.0315	0.0326	0.0314
15	256QAM	36	20	17.21	17.23	17.16	0.0312	0.0313	0.0308
15	256QAM	36	39	17.26	17.31	17.12	0.0316	0.0319	0.0305
15	256QAM	75	0	17.35	17.41	17.40	0.0322	0.0327	0.0326
Channel				20000	20175	20350	EIRP(W)		
Frequency (MHz)				1715	1732.5	1750	L	M	H
10	QPSK	1	0	22.24	22.39	22.29	0.0993	0.1028	0.1005
10	QPSK	1	25	22.24	22.29	22.14	0.0993	0.1005	0.0971
10	QPSK	1	49	22.22	22.29	22.22	0.0989	0.1005	0.0989
10	QPSK	25	0	21.40	21.44	21.27	0.0818	0.0826	0.0794
10	QPSK	25	12	21.35	21.31	21.18	0.0809	0.0802	0.0778
10	QPSK	25	25	21.31	21.30	21.22	0.0802	0.0800	0.0785
10	QPSK	50	0	21.24	21.37	21.37	0.0789	0.0813	0.0813
10	16QAM	1	0	21.46	21.70	21.60	0.0830	0.0877	0.0857
10	16QAM	1	25	21.38	21.58	21.51	0.0815	0.0853	0.0839
10	16QAM	1	49	21.47	21.63	21.50	0.0832	0.0863	0.0838
10	16QAM	25	0	20.36	20.40	20.38	0.0644	0.0650	0.0647
10	16QAM	25	12	20.35	20.31	20.27	0.0643	0.0637	0.0631
10	16QAM	25	25	20.26	20.26	20.26	0.0630	0.0630	0.0630
10	16QAM	50	0	20.36	20.42	20.32	0.0644	0.0653	0.0638
10	64QAM	1	0	20.43	20.48	20.40	0.0655	0.0662	0.0650
10	64QAM	1	25	20.25	20.52	20.37	0.0628	0.0668	0.0646
10	64QAM	1	49	20.31	20.50	20.37	0.0637	0.0665	0.0646
10	64QAM	25	0	19.26	19.35	19.32	0.0500	0.0511	0.0507
10	64QAM	25	12	19.14	19.31	19.19	0.0486	0.0506	0.0492



10	64QAM	25	25	19.24	19.35	19.19	0.0498	0.0511	0.0492
10	64QAM	50	0	19.23	19.38	19.26	0.0497	0.0514	0.0500
10	256QAM	1	0	17.36	17.52	17.46	0.0323	0.0335	0.0330
10	256QAM	1	25	17.28	17.31	17.34	0.0317	0.0319	0.0321
10	256QAM	1	49	17.16	17.33	17.33	0.0308	0.0321	0.0321
10	256QAM	25	0	17.31	17.32	17.28	0.0319	0.0320	0.0317
10	256QAM	25	12	17.19	17.30	17.13	0.0310	0.0318	0.0306
10	256QAM	25	25	17.23	17.34	17.11	0.0313	0.0321	0.0305
10	256QAM	50	0	17.36	17.38	17.38	0.0323	0.0324	0.0324
Channel				19975	20175	20375	EIRP(W)		
Frequency (MHz)				1712.5	1732.5	1752.5	L	M	H
5	QPSK	1	0	22.21	22.37	22.26	0.0986	0.1023	0.0998
5	QPSK	1	12	22.21	22.25	22.12	0.0986	0.0995	0.0966
5	QPSK	1	24	22.26	22.26	22.16	0.0998	0.0998	0.0975
5	QPSK	12	0	21.31	21.44	21.36	0.0802	0.0826	0.0811
5	QPSK	12	7	21.30	21.31	21.27	0.0800	0.0802	0.0794
5	QPSK	12	13	21.28	21.26	21.31	0.0796	0.0793	0.0802
5	QPSK	25	0	21.26	21.41	21.31	0.0793	0.0820	0.0802
5	16QAM	1	0	21.48	21.61	21.63	0.0834	0.0859	0.0863
5	16QAM	1	12	21.42	21.56	21.58	0.0822	0.0849	0.0853
5	16QAM	1	24	21.47	21.61	21.56	0.0832	0.0859	0.0849
5	16QAM	12	0	20.36	20.41	20.33	0.0644	0.0652	0.0640
5	16QAM	12	7	20.34	20.33	20.23	0.0641	0.0640	0.0625
5	16QAM	12	13	20.29	20.23	20.21	0.0634	0.0625	0.0622
5	16QAM	25	0	20.33	20.43	20.29	0.0640	0.0655	0.0634
5	64QAM	1	0	20.47	20.59	20.42	0.0661	0.0679	0.0653
5	64QAM	1	12	20.32	20.50	20.39	0.0638	0.0665	0.0649
5	64QAM	1	24	20.37	20.55	20.42	0.0646	0.0673	0.0653
5	64QAM	12	0	19.26	19.37	19.27	0.0500	0.0513	0.0501
5	64QAM	12	7	19.19	19.38	19.17	0.0492	0.0514	0.0490
5	64QAM	12	13	19.30	19.37	19.21	0.0505	0.0513	0.0494
5	64QAM	25	0	19.32	19.39	19.35	0.0507	0.0515	0.0511
5	256QAM	1	0	17.29	17.42	17.47	0.0318	0.0327	0.0331
5	256QAM	1	12	17.23	17.34	17.29	0.0313	0.0321	0.0318
5	256QAM	1	24	17.18	17.31	17.32	0.0310	0.0319	0.0320
5	256QAM	12	0	17.26	17.32	17.24	0.0316	0.0320	0.0314
5	256QAM	12	7	17.27	17.33	17.13	0.0316	0.0321	0.0306
5	256QAM	12	13	17.31	17.34	17.09	0.0319	0.0321	0.0303
5	256QAM	25	0	17.30	17.48	17.42	0.0318	0.0332	0.0327
Channel				19965	20175	20385	EIRP(W)		
Frequency (MHz)				1711.5	1732.5	1753.5	L	M	H
3	QPSK	1	0	22.23	22.39	22.26	0.0991	0.1028	0.0998
3	QPSK	1	8	22.18	22.24	22.18	0.0979	0.0993	0.0979
3	QPSK	1	14	22.23	22.29	22.17	0.0991	0.1005	0.0977
3	QPSK	8	0	21.41	21.45	21.33	0.0820	0.0828	0.0805
3	QPSK	8	4	21.26	21.33	21.19	0.0793	0.0805	0.0780
3	QPSK	8	7	21.23	21.31	21.24	0.0787	0.0802	0.0789



3	QPSK	15	0	21.25	21.39	21.34	0.0791	0.0817	0.0807
3	16QAM	1	0	21.51	21.59	21.55	0.0839	0.0855	0.0847
3	16QAM	1	8	21.49	21.52	21.57	0.0836	0.0841	0.0851
3	16QAM	1	14	21.41	21.51	21.49	0.0820	0.0839	0.0836
3	16QAM	8	0	20.39	20.33	20.30	0.0649	0.0640	0.0635
3	16QAM	8	4	20.26	20.36	20.17	0.0630	0.0644	0.0617
3	16QAM	8	7	20.22	20.30	20.25	0.0624	0.0635	0.0628
3	16QAM	15	0	20.40	20.40	20.20	0.0650	0.0650	0.0621
3	64QAM	1	0	20.43	20.52	20.46	0.0655	0.0668	0.0659
3	64QAM	1	8	20.23	20.49	20.34	0.0625	0.0664	0.0641
3	64QAM	1	14	20.36	20.52	20.40	0.0644	0.0668	0.0650
3	64QAM	8	0	19.30	19.37	19.22	0.0505	0.0513	0.0495
3	64QAM	8	4	19.19	19.30	19.22	0.0492	0.0505	0.0495
3	64QAM	8	7	19.24	19.37	19.16	0.0498	0.0513	0.0489
3	64QAM	15	0	19.34	19.43	19.26	0.0509	0.0520	0.0500
3	256QAM	1	0	17.33	17.48	17.39	0.0321	0.0332	0.0325
3	256QAM	1	8	17.29	17.39	17.34	0.0318	0.0325	0.0321
3	256QAM	1	14	17.15	17.33	17.39	0.0308	0.0321	0.0325
3	256QAM	8	0	17.26	17.43	17.32	0.0316	0.0328	0.0320
3	256QAM	8	4	17.21	17.23	17.13	0.0312	0.0313	0.0306
3	256QAM	8	7	17.33	17.36	17.14	0.0321	0.0323	0.0307
3	256QAM	15	0	17.28	17.42	17.34	0.0317	0.0327	0.0321
Channel				19950	20175	20393	EIRP(W)		
Frequency (MHz)				1710	1732.5	1754.3	L	M	H
1.4	QPSK	1	0	22.29	22.34	22.36	0.1005	0.1016	0.1021
1.4	QPSK	1	3	22.15	22.26	22.22	0.0973	0.0998	0.0989
1.4	QPSK	1	5	22.28	22.23	22.12	0.1002	0.0991	0.0966
1.4	QPSK	3	0	22.24	22.28	22.27	0.0993	0.1002	0.1000
1.4	QPSK	3	1	22.09	22.14	22.17	0.0959	0.0971	0.0977
1.4	QPSK	3	3	22.17	22.14	22.13	0.0977	0.0971	0.0968
1.4	QPSK	6	0	21.23	21.36	21.27	0.0787	0.0811	0.0794
1.4	16QAM	1	0	21.50	21.65	21.51	0.0838	0.0867	0.0839
1.4	16QAM	1	3	21.48	21.58	21.50	0.0834	0.0853	0.0838
1.4	16QAM	1	5	21.49	21.53	21.52	0.0836	0.0843	0.0841
1.4	16QAM	3	0	21.42	21.60	21.37	0.0822	0.0857	0.0813
1.4	16QAM	3	1	21.36	21.45	21.38	0.0811	0.0828	0.0815
1.4	16QAM	3	3	21.36	21.40	21.44	0.0811	0.0818	0.0826
1.4	16QAM	6	0	20.36	20.40	20.25	0.0644	0.0650	0.0628
1.4	64QAM	1	0	20.43	20.49	20.39	0.0655	0.0664	0.0649
1.4	64QAM	1	3	20.25	20.51	20.38	0.0628	0.0667	0.0647
1.4	64QAM	1	5	20.31	20.48	20.43	0.0637	0.0662	0.0655
1.4	64QAM	3	0	20.35	20.34	20.26	0.0643	0.0641	0.0630
1.4	64QAM	3	1	20.12	20.41	20.34	0.0610	0.0652	0.0641
1.4	64QAM	3	3	20.23	20.33	20.29	0.0625	0.0640	0.0634
1.4	64QAM	6	0	19.30	19.36	19.34	0.0505	0.0512	0.0509
1.4	256QAM	1	0	17.36	17.44	17.48	0.0323	0.0329	0.0332
1.4	256QAM	1	3	17.25	17.39	17.32	0.0315	0.0325	0.0320



1.4	256QAM	1	5	17.19	17.31	17.34	0.0310	0.0319	0.0321
1.4	256QAM	3	0	17.26	17.33	17.21	0.0316	0.0321	0.0312
1.4	256QAM	3	1	17.18	17.28	17.12	0.0310	0.0317	0.0305
1.4	256QAM	3	3	17.32	17.32	17.14	0.0320	0.0320	0.0307
1.4	256QAM	6	0	17.38	17.40	17.38	0.0324	0.0326	0.0324

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	22.58	22.59	22.48	0.1050	0.1052	0.1026
20	QPSK	1	49	22.44	22.41	22.38	0.1016	0.1009	0.1002
20	QPSK	1	99	22.30	22.44	22.34	0.0984	0.1016	0.0993
20	QPSK	50	0	21.53	21.61	21.52	0.0824	0.0839	0.0822
20	QPSK	50	24	21.37	21.48	21.43	0.0794	0.0815	0.0805
20	QPSK	50	50	21.31	21.45	21.35	0.0783	0.0809	0.0791
20	QPSK	100	0	21.53	21.64	21.51	0.0824	0.0845	0.0820
20	16QAM	1	0	21.69	21.83	21.76	0.0855	0.0883	0.0869
20	16QAM	1	49	21.74	21.87	21.73	0.0865	0.0891	0.0863
20	16QAM	1	99	21.72	21.85	21.68	0.0861	0.0887	0.0853
20	16QAM	50	0	20.37	20.51	20.33	0.0631	0.0652	0.0625
20	16QAM	50	24	20.31	20.53	20.37	0.0622	0.0655	0.0631
20	16QAM	50	50	20.30	20.35	20.33	0.0621	0.0628	0.0625
20	16QAM	100	0	20.35	20.41	20.34	0.0628	0.0637	0.0627
20	64QAM	1	0	20.64	20.78	20.77	0.0671	0.0693	0.0692
20	64QAM	1	49	20.59	20.78	20.66	0.0664	0.0693	0.0675
20	64QAM	1	99	20.53	20.62	20.63	0.0655	0.0668	0.0670
20	64QAM	50	0	19.43	19.47	19.38	0.0508	0.0513	0.0502
20	64QAM	50	24	19.36	19.35	19.28	0.0500	0.0499	0.0491
20	64QAM	50	50	19.38	19.36	19.34	0.0502	0.0500	0.0498
20	64QAM	100	0	19.33	19.43	19.29	0.0497	0.0508	0.0492
20	256QAM	1	0	17.65	17.69	17.70	0.0337	0.0340	0.0341
20	256QAM	1	49	17.52	17.59	17.54	0.0327	0.0333	0.0329
20	256QAM	1	99	17.56	17.54	17.63	0.0330	0.0329	0.0336
20	256QAM	50	0	17.34	17.44	17.33	0.0314	0.0321	0.0313
20	256QAM	50	24	17.30	17.39	17.19	0.0311	0.0318	0.0303
20	256QAM	50	50	17.37	17.34	17.31	0.0316	0.0314	0.0312
20	256QAM	100	0	17.45	17.47	17.34	0.0322	0.0324	0.0314
Channel				26115	26340	26615	L M H		
Frequency (MHz)				1857.5	1880	1907.5			
15	QPSK	1	0	22.52	22.45	22.34	0.1035	0.1019	0.0993
15	QPSK	1	37	22.36	22.33	22.34	0.0998	0.0991	0.0993
15	QPSK	1	74	22.25	22.30	22.25	0.0973	0.0984	0.0973
15	QPSK	36	0	21.46	21.50	21.43	0.0811	0.0818	0.0805



15	QPSK	36	20	21.27	21.44	21.31	0.0776	0.0807	0.0783
15	QPSK	36	39	21.25	21.38	21.29	0.0773	0.0796	0.0780
15	QPSK	75	0	21.45	21.59	21.47	0.0809	0.0836	0.0813
15	16QAM	1	0	21.56	21.79	21.61	0.0830	0.0875	0.0839
15	16QAM	1	37	21.65	21.79	21.59	0.0847	0.0875	0.0836
15	16QAM	1	74	21.68	21.72	21.64	0.0853	0.0861	0.0845
15	16QAM	36	0	20.28	20.40	20.29	0.0618	0.0635	0.0619
15	16QAM	36	20	20.18	20.48	20.27	0.0604	0.0647	0.0617
15	16QAM	36	39	20.17	20.24	20.24	0.0603	0.0612	0.0612
15	16QAM	75	0	20.27	20.32	20.27	0.0617	0.0624	0.0617
15	64QAM	1	0	20.58	20.65	20.62	0.0662	0.0673	0.0668
15	64QAM	1	37	20.52	20.69	20.61	0.0653	0.0679	0.0667
15	64QAM	1	74	20.42	20.47	20.53	0.0638	0.0646	0.0655
15	64QAM	36	0	19.27	19.42	19.31	0.0490	0.0507	0.0494
15	64QAM	36	20	19.30	19.26	19.23	0.0493	0.0489	0.0485
15	64QAM	36	39	19.23	19.21	19.19	0.0485	0.0483	0.0481
15	64QAM	75	0	19.21	19.33	19.17	0.0483	0.0497	0.0479
15	256QAM	1	0	17.49	17.63	17.64	0.0325	0.0336	0.0337
15	256QAM	1	37	17.39	17.51	17.42	0.0318	0.0327	0.0320
15	256QAM	1	74	17.49	17.41	17.55	0.0325	0.0319	0.0330
15	256QAM	36	0	17.29	17.28	17.22	0.0310	0.0310	0.0305
15	256QAM	36	20	17.16	17.35	17.09	0.0301	0.0315	0.0296
15	256QAM	36	39	17.23	17.23	17.22	0.0306	0.0306	0.0305
15	256QAM	75	0	17.30	17.41	17.30	0.0311	0.0319	0.0311
Channel				26090	26340	26640	EIRP(W)		
Frequency (MHz)				1855	1880	1910	L	M	H
10	QPSK	1	0	22.49	22.53	22.32	0.1028	0.1038	0.0989
10	QPSK	1	25	22.38	22.27	22.23	0.1002	0.0977	0.0968
10	QPSK	1	49	22.22	22.34	22.25	0.0966	0.0993	0.0973
10	QPSK	25	0	21.38	21.48	21.37	0.0796	0.0815	0.0794
10	QPSK	25	12	21.28	21.43	21.33	0.0778	0.0805	0.0787
10	QPSK	25	25	21.27	21.40	21.20	0.0776	0.0800	0.0764
10	QPSK	50	0	21.48	21.53	21.41	0.0815	0.0824	0.0802
10	16QAM	1	0	21.57	21.79	21.62	0.0832	0.0875	0.0841
10	16QAM	1	25	21.62	21.83	21.57	0.0841	0.0883	0.0832
10	16QAM	1	49	21.68	21.75	21.53	0.0853	0.0867	0.0824
10	16QAM	25	0	20.22	20.45	20.18	0.0610	0.0643	0.0604
10	16QAM	25	12	20.25	20.37	20.25	0.0614	0.0631	0.0614
10	16QAM	25	25	20.21	20.21	20.29	0.0608	0.0608	0.0619
10	16QAM	50	0	20.27	20.26	20.18	0.0617	0.0615	0.0604
10	64QAM	1	0	20.59	20.69	20.70	0.0664	0.0679	0.0681
10	64QAM	1	25	20.55	20.68	20.53	0.0658	0.0678	0.0655
10	64QAM	1	49	20.47	20.52	20.47	0.0646	0.0653	0.0646
10	64QAM	25	0	19.28	19.37	19.24	0.0491	0.0501	0.0486
10	64QAM	25	12	19.25	19.22	19.20	0.0488	0.0484	0.0482
10	64QAM	25	25	19.33	19.32	19.29	0.0497	0.0495	0.0492
10	64QAM	50	0	19.19	19.36	19.17	0.0481	0.0500	0.0479



10	256QAM	1	0	17.59	17.64	17.66	0.0333	0.0337	0.0338
10	256QAM	1	25	17.37	17.53	17.47	0.0316	0.0328	0.0324
10	256QAM	1	49	17.52	17.44	17.58	0.0327	0.0321	0.0332
10	256QAM	25	0	17.24	17.37	17.25	0.0307	0.0316	0.0308
10	256QAM	25	12	17.25	17.30	17.14	0.0308	0.0311	0.0300
10	256QAM	25	25	17.25	17.26	17.19	0.0308	0.0308	0.0303
10	256QAM	50	0	17.41	17.40	17.19	0.0319	0.0318	0.0303
Channel				26065	26340	26665	EIRP(W)		
Frequency (MHz)				1852.5	1880	1912.5	L	M	H
5	QPSK	1	0	22.48	22.48	22.44	0.1026	0.1026	0.1016
5	QPSK	1	12	22.28	22.26	22.25	0.0979	0.0975	0.0973
5	QPSK	1	24	22.18	22.36	22.26	0.0957	0.0998	0.0975
5	QPSK	12	0	21.39	21.51	21.46	0.0798	0.0820	0.0811
5	QPSK	12	7	21.26	21.44	21.29	0.0774	0.0807	0.0780
5	QPSK	12	13	21.21	21.30	21.19	0.0766	0.0782	0.0762
5	QPSK	25	0	21.46	21.52	21.37	0.0811	0.0822	0.0794
5	16QAM	1	0	21.63	21.72	21.61	0.0843	0.0861	0.0839
5	16QAM	1	12	21.70	21.79	21.58	0.0857	0.0875	0.0834
5	16QAM	1	24	21.58	21.73	21.61	0.0834	0.0863	0.0839
5	16QAM	12	0	20.23	20.41	20.26	0.0611	0.0637	0.0615
5	16QAM	12	7	20.15	20.40	20.32	0.0600	0.0635	0.0624
5	16QAM	12	13	20.17	20.25	20.19	0.0603	0.0614	0.0605
5	16QAM	25	0	20.29	20.29	20.18	0.0619	0.0619	0.0604
5	64QAM	1	0	20.50	20.63	20.69	0.0650	0.0670	0.0679
5	64QAM	1	12	20.52	20.67	20.56	0.0653	0.0676	0.0659
5	64QAM	1	24	20.42	20.55	20.50	0.0638	0.0658	0.0650
5	64QAM	12	0	19.35	19.37	19.33	0.0499	0.0501	0.0497
5	64QAM	12	7	19.29	19.23	19.18	0.0492	0.0485	0.0480
5	64QAM	12	13	19.32	19.20	19.18	0.0495	0.0482	0.0480
5	64QAM	25	0	19.18	19.32	19.24	0.0480	0.0495	0.0486
5	256QAM	1	0	17.49	17.56	17.60	0.0325	0.0330	0.0333
5	256QAM	1	12	17.41	17.53	17.41	0.0319	0.0328	0.0319
5	256QAM	1	24	17.41	17.41	17.58	0.0319	0.0319	0.0332
5	256QAM	12	0	17.27	17.38	17.22	0.0309	0.0317	0.0305
5	256QAM	12	7	17.23	17.29	17.04	0.0306	0.0310	0.0293
5	256QAM	12	13	17.33	17.19	17.21	0.0313	0.0303	0.0305
5	256QAM	25	0	17.30	17.31	17.18	0.0311	0.0312	0.0303
Channel				26055	26340	26675	EIRP(W)		
Frequency (MHz)				1851.5	1880	1913.5	L	M	H
3	QPSK	1	0	22.45	22.54	22.36	0.1019	0.1040	0.0998
3	QPSK	1	8	22.38	22.25	22.28	0.1002	0.0973	0.0979
3	QPSK	1	14	22.23	22.38	22.19	0.0968	0.1002	0.0959
3	QPSK	8	0	21.37	21.49	21.45	0.0794	0.0817	0.0809
3	QPSK	8	4	21.24	21.40	21.35	0.0771	0.0800	0.0791
3	QPSK	8	7	21.20	21.35	21.27	0.0764	0.0791	0.0776
3	QPSK	15	0	21.39	21.55	21.40	0.0798	0.0828	0.0800
3	16QAM	1	0	21.55	21.75	21.67	0.0828	0.0867	0.0851



3	16QAM	1	8	21.61	21.81	21.58	0.0839	0.0879	0.0834
3	16QAM	1	14	21.66	21.69	21.54	0.0849	0.0855	0.0826
3	16QAM	8	0	20.22	20.44	20.28	0.0610	0.0641	0.0618
3	16QAM	8	4	20.22	20.40	20.28	0.0610	0.0635	0.0618
3	16QAM	8	7	20.18	20.25	20.22	0.0604	0.0614	0.0610
3	16QAM	15	0	20.22	20.33	20.21	0.0610	0.0625	0.0608
3	64QAM	1	0	20.52	20.70	20.70	0.0653	0.0681	0.0681
3	64QAM	1	8	20.51	20.63	20.51	0.0652	0.0670	0.0652
3	64QAM	1	14	20.43	20.48	20.52	0.0640	0.0647	0.0653
3	64QAM	8	0	19.34	19.42	19.31	0.0498	0.0507	0.0494
3	64QAM	8	4	19.21	19.29	19.19	0.0483	0.0492	0.0481
3	64QAM	8	7	19.33	19.21	19.21	0.0497	0.0483	0.0483
3	64QAM	15	0	19.19	19.33	19.24	0.0481	0.0497	0.0486
3	256QAM	1	0	17.57	17.64	17.63	0.0331	0.0337	0.0336
3	256QAM	1	8	17.37	17.54	17.46	0.0316	0.0329	0.0323
3	256QAM	1	14	17.42	17.40	17.54	0.0320	0.0318	0.0329
3	256QAM	8	0	17.30	17.35	17.21	0.0311	0.0315	0.0305
3	256QAM	8	4	17.25	17.34	17.10	0.0308	0.0314	0.0297
3	256QAM	8	7	17.27	17.22	17.17	0.0309	0.0305	0.0302
3	256QAM	15	0	17.39	17.34	17.19	0.0318	0.0314	0.0303
Channel				26047	26340	26683	EIRP(W)		
Frequency (MHz)				1850.7	1880	1914.3	L	M	H
1.4	QPSK	1	0	22.53	22.47	22.33	0.1038	0.1023	0.0991
1.4	QPSK	1	3	22.34	22.30	22.23	0.0993	0.0984	0.0968
1.4	QPSK	1	5	22.17	22.37	22.22	0.0955	0.1000	0.0966
1.4	QPSK	3	0	22.42	22.35	22.23	0.1012	0.0995	0.0968
1.4	QPSK	3	1	22.19	22.16	22.08	0.0959	0.0953	0.0935
1.4	QPSK	3	3	22.12	22.21	22.14	0.0944	0.0964	0.0948
1.4	QPSK	6	0	21.41	21.57	21.41	0.0802	0.0832	0.0802
1.4	16QAM	1	0	21.62	21.75	21.63	0.0841	0.0867	0.0843
1.4	16QAM	1	3	21.68	21.73	21.61	0.0853	0.0863	0.0839
1.4	16QAM	1	5	21.64	21.72	21.59	0.0845	0.0861	0.0836
1.4	16QAM	3	0	21.52	21.60	21.52	0.0822	0.0838	0.0822
1.4	16QAM	3	1	21.63	21.61	21.46	0.0843	0.0839	0.0811
1.4	16QAM	3	3	21.57	21.61	21.51	0.0832	0.0839	0.0820
1.4	16QAM	6	0	20.27	20.26	20.24	0.0617	0.0615	0.0612
1.4	64QAM	1	0	20.51	20.66	20.71	0.0652	0.0675	0.0682
1.4	64QAM	1	3	20.45	20.72	20.55	0.0643	0.0684	0.0658
1.4	64QAM	1	5	20.38	20.56	20.47	0.0632	0.0659	0.0646
1.4	64QAM	3	0	20.41	20.51	20.59	0.0637	0.0652	0.0664
1.4	64QAM	3	1	20.33	20.58	20.44	0.0625	0.0662	0.0641
1.4	64QAM	3	3	20.32	20.45	20.34	0.0624	0.0643	0.0627
1.4	64QAM	6	0	19.27	19.28	19.19	0.0490	0.0491	0.0481
1.4	256QAM	1	0	17.57	17.65	17.66	0.0331	0.0337	0.0338
1.4	256QAM	1	3	17.44	17.44	17.47	0.0321	0.0321	0.0324
1.4	256QAM	1	5	17.52	17.43	17.47	0.0327	0.0321	0.0324
1.4	256QAM	3	0	17.25	17.32	17.22	0.0308	0.0313	0.0305



1.4	256QAM	3	1	17.24	17.33	17.13	0.0307	0.0313	0.0299
1.4	256QAM	3	3	17.33	17.18	17.16	0.0313	0.0303	0.0301
1.4	256QAM	6	0	17.41	17.35	17.18	0.0319	0.0315	0.0303

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	22.35	22.45	22.38	0.1019	0.1042	0.1026
20	QPSK	1	49	22.30	22.33	22.22	0.1007	0.1014	0.0989
20	QPSK	1	99	22.09	22.30	22.19	0.0959	0.1007	0.0982
20	QPSK	50	0	21.30	21.42	21.40	0.0800	0.0822	0.0818
20	QPSK	50	24	21.21	21.28	21.17	0.0783	0.0796	0.0776
20	QPSK	50	50	21.21	21.24	21.17	0.0783	0.0789	0.0776
20	QPSK	100	0	21.37	21.43	21.34	0.0813	0.0824	0.0807
20	16QAM	1	0	21.64	21.76	21.59	0.0865	0.0889	0.0855
20	16QAM	1	49	21.61	21.70	21.50	0.0859	0.0877	0.0838
20	16QAM	1	99	21.46	21.67	21.59	0.0830	0.0871	0.0855
20	16QAM	50	0	20.29	20.34	20.22	0.0634	0.0641	0.0624
20	16QAM	50	24	20.20	20.36	20.16	0.0621	0.0644	0.0615
20	16QAM	50	50	20.05	20.16	20.24	0.0600	0.0615	0.0627
20	16QAM	100	0	20.26	20.29	20.16	0.0630	0.0634	0.0615
20	64QAM	1	0	20.43	20.62	20.53	0.0655	0.0684	0.0670
20	64QAM	1	49	20.39	20.60	20.56	0.0649	0.0681	0.0675
20	64QAM	1	99	20.41	20.52	20.47	0.0652	0.0668	0.0661
20	64QAM	50	0	19.22	19.32	19.23	0.0495	0.0507	0.0497
20	64QAM	50	24	19.13	19.28	19.07	0.0485	0.0502	0.0479
20	64QAM	50	50	19.25	19.10	19.19	0.0499	0.0482	0.0492
20	64QAM	100	0	19.20	19.20	19.16	0.0493	0.0493	0.0489
20	256QAM	1	0	17.40	17.45	17.43	0.0326	0.0330	0.0328
20	256QAM	1	49	17.36	17.39	17.29	0.0323	0.0325	0.0318
20	256QAM	1	99	17.40	17.36	17.40	0.0326	0.0323	0.0326
20	256QAM	50	0	17.17	17.33	17.22	0.0309	0.0321	0.0313
20	256QAM	50	24	17.14	17.14	17.10	0.0307	0.0307	0.0304
20	256QAM	50	50	17.09	17.24	17.08	0.0303	0.0314	0.0303
20	256QAM	100	0	17.20	17.28	17.22	0.0311	0.0317	0.0313
Channel				132047	132322	132597	EIRP(W)		
Frequency (MHz)				1717.5	1745	1772.5	L	M	H
15	QPSK	1	0	22.19	22.32	22.22	0.0982	0.1012	0.0989
15	QPSK	1	37	22.19	22.22	22.11	0.0982	0.0989	0.0964
15	QPSK	1	74	22.11	22.21	22.13	0.0964	0.0986	0.0968
15	QPSK	36	0	21.26	21.28	21.33	0.0793	0.0796	0.0805
15	QPSK	36	20	21.12	21.19	21.09	0.0767	0.0780	0.0762
15	QPSK	36	39	21.09	21.20	21.11	0.0762	0.0782	0.0766



15	QPSK	75	0	21.33	21.30	21.20	0.0805	0.0800	0.0782
15	16QAM	1	0	21.58	21.70	21.50	0.0853	0.0877	0.0838
15	16QAM	1	37	21.56	21.61	21.46	0.0849	0.0859	0.0830
15	16QAM	1	74	21.32	21.61	21.55	0.0804	0.0859	0.0847
15	16QAM	36	0	20.19	20.28	20.09	0.0619	0.0632	0.0605
15	16QAM	36	20	20.13	20.31	20.06	0.0611	0.0637	0.0601
15	16QAM	36	39	20.11	20.05	20.12	0.0608	0.0600	0.0610
15	16QAM	75	0	20.15	20.19	20.07	0.0614	0.0619	0.0603
15	64QAM	1	0	20.28	20.55	20.39	0.0632	0.0673	0.0649
15	64QAM	1	37	20.33	20.49	20.47	0.0640	0.0664	0.0661
15	64QAM	1	74	20.27	20.40	20.38	0.0631	0.0650	0.0647
15	64QAM	36	0	19.07	19.22	19.18	0.0479	0.0495	0.0491
15	64QAM	36	20	19.03	19.12	19.06	0.0474	0.0484	0.0478
15	64QAM	36	39	19.11	19.13	19.12	0.0483	0.0485	0.0484
15	64QAM	75	0	19.11	19.05	19.10	0.0483	0.0476	0.0482
15	256QAM	1	0	17.34	17.40	17.37	0.0321	0.0326	0.0324
15	256QAM	1	37	17.31	17.31	17.22	0.0319	0.0319	0.0313
15	256QAM	1	74	17.28	17.22	17.35	0.0317	0.0313	0.0322
15	256QAM	36	0	17.08	17.20	17.12	0.0303	0.0311	0.0305
15	256QAM	36	20	17.02	17.07	17.08	0.0299	0.0302	0.0303
15	256QAM	36	39	17.21	17.19	17.11	0.0312	0.0310	0.0305
15	256QAM	75	0	17.07	17.17	17.16	0.0302	0.0309	0.0308
Channel				132022	132322	132622	EIRP(W)		
Frequency (MHz)				1715	1745	1775	L	M	H
10	QPSK	1	0	22.27	22.36	22.27	0.1000	0.1021	0.1000
10	QPSK	1	25	22.18	22.18	22.12	0.0979	0.0979	0.0966
10	QPSK	1	49	22.02	22.24	22.05	0.0944	0.0993	0.0951
10	QPSK	25	0	21.22	21.31	21.27	0.0785	0.0802	0.0794
10	QPSK	25	12	21.09	21.18	21.06	0.0762	0.0778	0.0757
10	QPSK	25	25	21.14	21.09	21.07	0.0771	0.0762	0.0759
10	QPSK	50	0	21.22	21.32	21.21	0.0785	0.0804	0.0783
10	16QAM	1	0	21.48	21.69	21.43	0.0834	0.0875	0.0824
10	16QAM	1	25	21.50	21.60	21.37	0.0838	0.0857	0.0813
10	16QAM	1	49	21.31	21.61	21.44	0.0802	0.0859	0.0826
10	16QAM	25	0	20.24	20.21	20.07	0.0627	0.0622	0.0603
10	16QAM	25	12	20.14	20.29	20.01	0.0612	0.0634	0.0594
10	16QAM	25	25	20.00	20.04	20.12	0.0593	0.0598	0.0610
10	16QAM	50	0	20.14	20.13	20.09	0.0612	0.0611	0.0605
10	64QAM	1	0	20.39	20.51	20.40	0.0649	0.0667	0.0650
10	64QAM	1	25	20.32	20.48	20.49	0.0638	0.0662	0.0664
10	64QAM	1	49	20.31	20.42	20.34	0.0637	0.0653	0.0641
10	64QAM	25	0	19.09	19.18	19.10	0.0481	0.0491	0.0482
10	64QAM	25	12	19.11	19.18	19.00	0.0483	0.0491	0.0471
10	64QAM	25	25	19.13	19.04	19.12	0.0485	0.0475	0.0484
10	64QAM	50	0	19.08	19.13	19.04	0.0480	0.0485	0.0475
10	256QAM	1	0	17.26	17.35	17.33	0.0316	0.0322	0.0321
10	256QAM	1	25	17.21	17.28	17.18	0.0312	0.0317	0.0310



10	256QAM	1	49	17.31	17.27	17.32	0.0319	0.0316	0.0320
10	256QAM	25	0	17.07	17.24	17.16	0.0302	0.0314	0.0308
10	256QAM	25	12	17.01	17.08	17.09	0.0298	0.0303	0.0303
10	256QAM	25	25	17.01	17.16	17.08	0.0298	0.0308	0.0303
10	256QAM	50	0	17.11	17.21	17.09	0.0305	0.0312	0.0303
Channel				131997	132322	132647	EIRP(W)		
Frequency (MHz)				1712.5	1745	1777.5	L	M	H
5	QPSK	1	0	22.25	22.29	22.25	0.0995	0.1005	0.0995
5	QPSK	1	12	22.19	22.21	22.11	0.0982	0.0986	0.0964
5	QPSK	1	24	22.04	22.19	22.05	0.0948	0.0982	0.0951
5	QPSK	12	0	21.24	21.30	21.31	0.0789	0.0800	0.0802
5	QPSK	12	7	21.13	21.22	21.02	0.0769	0.0785	0.0750
5	QPSK	12	13	21.12	21.10	21.03	0.0767	0.0764	0.0752
5	QPSK	25	0	21.30	21.32	21.18	0.0800	0.0804	0.0778
5	16QAM	1	0	21.58	21.71	21.43	0.0853	0.0879	0.0824
5	16QAM	1	12	21.50	21.62	21.43	0.0838	0.0861	0.0824
5	16QAM	1	24	21.40	21.57	21.52	0.0818	0.0851	0.0841
5	16QAM	12	0	20.23	20.23	20.15	0.0625	0.0625	0.0614
5	16QAM	12	7	20.15	20.22	20.08	0.0614	0.0624	0.0604
5	16QAM	12	13	20.01	20.00	20.11	0.0594	0.0593	0.0608
5	16QAM	25	0	20.17	20.23	20.06	0.0617	0.0625	0.0601
5	64QAM	1	0	20.38	20.56	20.42	0.0647	0.0675	0.0653
5	64QAM	1	12	20.31	20.46	20.48	0.0637	0.0659	0.0662
5	64QAM	1	24	20.30	20.43	20.32	0.0635	0.0655	0.0638
5	64QAM	12	0	19.10	19.20	19.08	0.0482	0.0493	0.0480
5	64QAM	12	7	19.03	19.14	19.06	0.0474	0.0486	0.0478
5	64QAM	12	13	19.12	19.11	19.10	0.0484	0.0483	0.0482
5	64QAM	25	0	19.05	19.16	19.05	0.0476	0.0489	0.0476
5	256QAM	1	0	17.36	17.37	17.34	0.0323	0.0324	0.0321
5	256QAM	1	12	17.28	17.29	17.17	0.0317	0.0318	0.0309
5	256QAM	1	24	17.29	17.28	17.29	0.0318	0.0317	0.0318
5	256QAM	12	0	17.01	17.25	17.08	0.0298	0.0315	0.0303
5	256QAM	12	7	17.06	17.09	17.02	0.0301	0.0303	0.0299
5	256QAM	12	13	17.08	17.16	17.08	0.0303	0.0308	0.0303
5	256QAM	25	0	17.08	17.12	17.15	0.0303	0.0305	0.0308
Channel				131987	132322	132657	EIRP(W)		
Frequency (MHz)				1711.5	1745	1778.5	L	M	H
3	QPSK	1	0	22.20	22.39	22.32	0.0984	0.1028	0.1012
3	QPSK	1	8	22.18	22.24	22.17	0.0979	0.0993	0.0977
3	QPSK	1	14	22.04	22.16	22.05	0.0948	0.0975	0.0951
3	QPSK	8	0	21.20	21.33	21.26	0.0782	0.0805	0.0793
3	QPSK	8	4	21.10	21.22	21.09	0.0764	0.0785	0.0762
3	QPSK	8	7	21.10	21.12	21.10	0.0764	0.0767	0.0764
3	QPSK	15	0	21.22	21.37	21.23	0.0785	0.0813	0.0787
3	16QAM	1	0	21.58	21.69	21.47	0.0853	0.0875	0.0832
3	16QAM	1	8	21.54	21.61	21.42	0.0845	0.0859	0.0822
3	16QAM	1	14	21.42	21.59	21.50	0.0822	0.0855	0.0838



3	16QAM	8	0	20.17	20.21	20.18	0.0617	0.0622	0.0618
3	16QAM	8	4	20.10	20.23	20.05	0.0607	0.0625	0.0600
3	16QAM	8	7	20.11	20.09	20.20	0.0608	0.0605	0.0621
3	16QAM	15	0	20.18	20.19	20.11	0.0618	0.0619	0.0608
3	64QAM	1	0	20.29	20.52	20.42	0.0634	0.0668	0.0653
3	64QAM	1	8	20.31	20.56	20.44	0.0637	0.0675	0.0656
3	64QAM	1	14	20.29	20.37	20.41	0.0634	0.0646	0.0652
3	64QAM	8	0	19.17	19.19	19.19	0.0490	0.0492	0.0492
3	64QAM	8	4	19.06	19.21	19.02	0.0478	0.0494	0.0473
3	64QAM	8	7	19.11	19.04	19.10	0.0483	0.0475	0.0482
3	64QAM	15	0	19.13	19.13	19.01	0.0485	0.0485	0.0472
3	256QAM	1	0	17.32	17.33	17.31	0.0320	0.0321	0.0319
3	256QAM	1	8	17.25	17.25	17.22	0.0315	0.0315	0.0313
3	256QAM	1	14	17.25	17.20	17.28	0.0315	0.0311	0.0317
3	256QAM	8	0	17.11	17.22	17.17	0.0305	0.0313	0.0309
3	256QAM	8	4	17.06	17.09	17.06	0.0301	0.0303	0.0301
3	256QAM	8	7	17.05	17.09	17.04	0.0301	0.0303	0.0300
3	256QAM	15	0	17.08	17.13	17.10	0.0303	0.0306	0.0304
Channel				131979	132322	132665	EIRP(W)		
Frequency (MHz)				1710.7	1745	1779.3	L	M	H
1.4	QPSK	1	0	22.31	22.38	22.32	0.1009	0.1026	0.1012
1.4	QPSK	1	3	22.24	22.29	22.11	0.0993	0.1005	0.0964
1.4	QPSK	1	5	22.06	22.20	22.12	0.0953	0.0984	0.0966
1.4	QPSK	3	0	22.33	22.35	22.27	0.1014	0.1019	0.1000
1.4	QPSK	3	1	22.25	22.23	22.14	0.0995	0.0991	0.0971
1.4	QPSK	3	3	22.03	22.22	22.10	0.0946	0.0989	0.0962
1.4	QPSK	6	0	21.28	21.31	21.24	0.0796	0.0802	0.0789
1.4	16QAM	1	0	21.57	21.69	21.50	0.0851	0.0875	0.0838
1.4	16QAM	1	3	21.56	21.62	21.36	0.0849	0.0861	0.0811
1.4	16QAM	1	5	21.31	21.58	21.44	0.0802	0.0853	0.0826
1.4	16QAM	3	0	21.52	21.72	21.56	0.0841	0.0881	0.0849
1.4	16QAM	3	1	21.53	21.56	21.39	0.0843	0.0849	0.0817
1.4	16QAM	3	3	21.35	21.62	21.49	0.0809	0.0861	0.0836
1.4	16QAM	6	0	20.11	20.20	20.09	0.0608	0.0621	0.0605
1.4	64QAM	1	0	20.31	20.55	20.47	0.0637	0.0673	0.0661
1.4	64QAM	1	3	20.31	20.51	20.43	0.0637	0.0667	0.0655
1.4	64QAM	1	5	20.35	20.38	20.34	0.0643	0.0647	0.0641
1.4	64QAM	3	0	20.28	20.55	20.43	0.0632	0.0673	0.0655
1.4	64QAM	3	1	20.34	20.50	20.40	0.0641	0.0665	0.0650
1.4	64QAM	3	3	20.40	20.40	20.28	0.0650	0.0650	0.0632
1.4	64QAM	6	0	19.11	19.14	19.11	0.0483	0.0486	0.0483
1.4	256QAM	1	0	17.33	17.31	17.34	0.0321	0.0319	0.0321
1.4	256QAM	1	3	17.24	17.28	17.18	0.0314	0.0317	0.0310
1.4	256QAM	1	5	17.31	17.20	17.33	0.0319	0.0311	0.0321
1.4	256QAM	3	0	17.02	17.21	17.15	0.0299	0.0312	0.0308
1.4	256QAM	3	1	17.02	17.07	17.03	0.0299	0.0302	0.0299
1.4	256QAM	3	3	17.03	17.15	17.01	0.0299	0.0308	0.0298



1.4	256QAM	6	0	17.06	17.15	17.09	0.0301	0.0308	0.0303
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LTE Band 25 (Main PA)

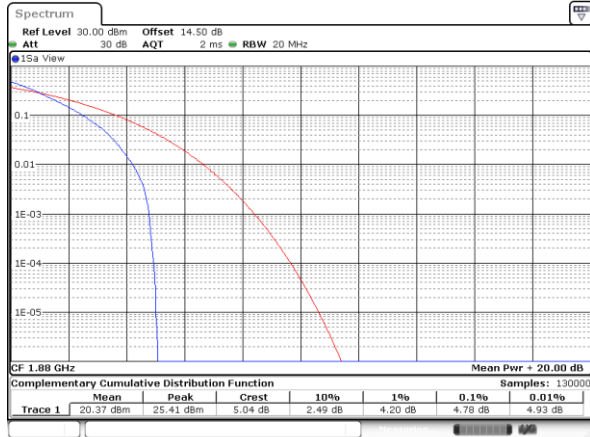
Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.78	5.71	6.17	PASS



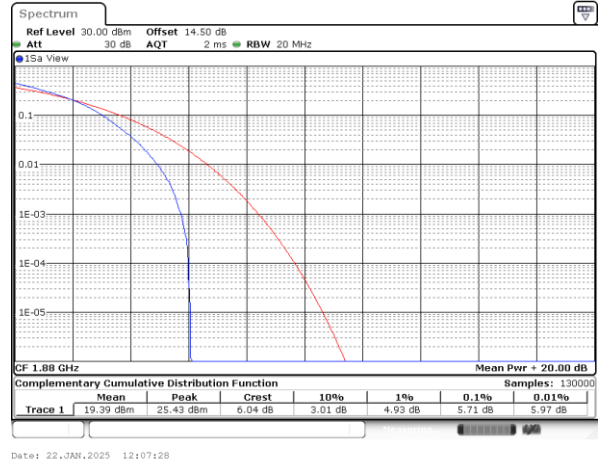
LTE Band 25 / 20MHz / QPSK

Middle Channel / Full RB



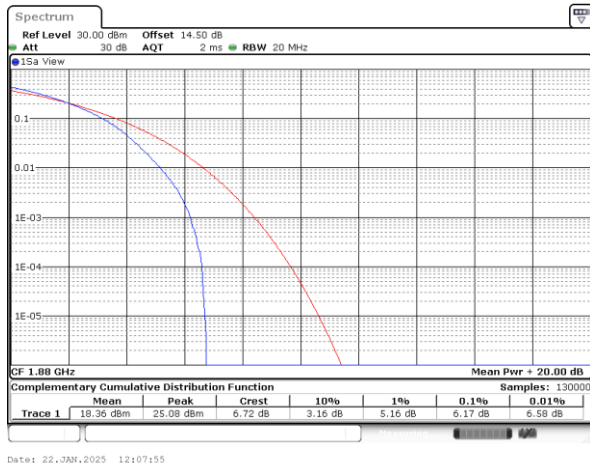
LTE Band 25 / 20MHz / 16QAM

Middle Channel / Full RB



LTE Band 25 / 20MHz / 64QAM

Middle Channel / Full RB





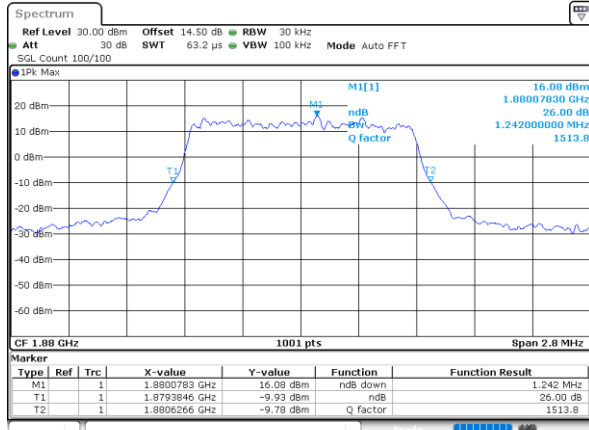
26dB Bandwidth

Mode	LTE Band 25 : 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	1.24	1.24	2.99	2.91	4.86	4.86	9.65	9.71	14.39	14.39	19.10	18.90



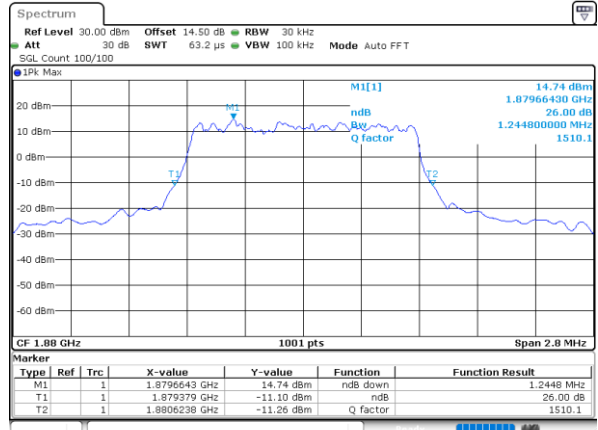
LTE Band 25

Middle Channel / 1.4MHz / QPSK



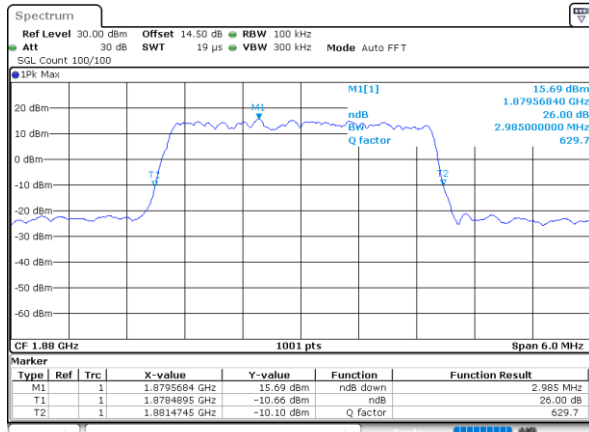
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Middle Channel / 1.4MHz / 16QAM



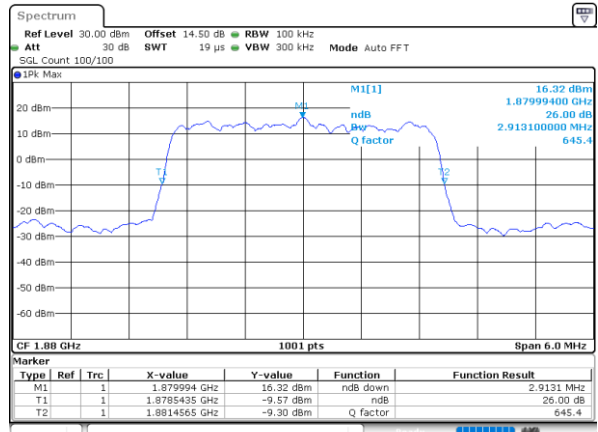
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Middle Channel / 3MHz / QPSK



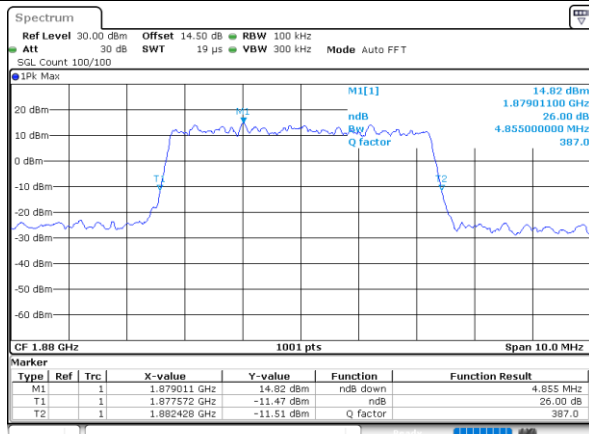
Date: 22.JAN.2025 11:19:01

Middle Channel / 3MHz / 16QAM



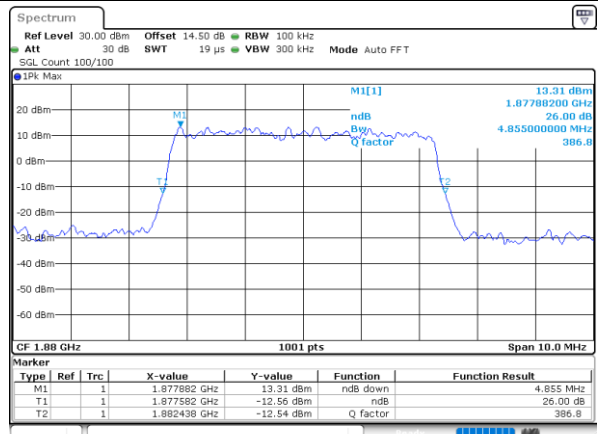
Date: 22.JAN.2025 11:19:41

Middle Channel / 5MHz / QPSK



Date: 22.JAN.2025 11:30:11

Middle Channel / 5MHz / 16QAM

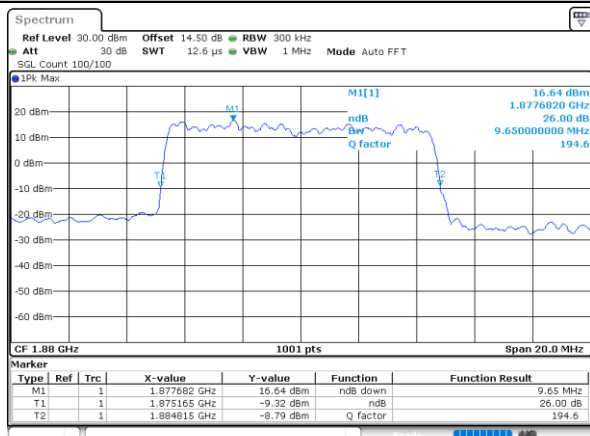


Date: 22.JAN.2025 11:30:51



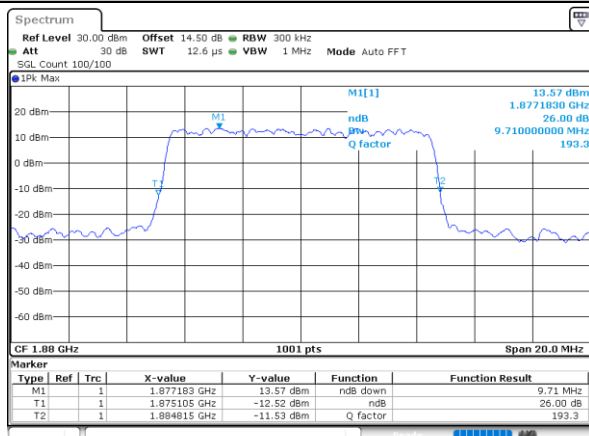
LTE Band 25

Middle Channel / 10MHz / QPSK



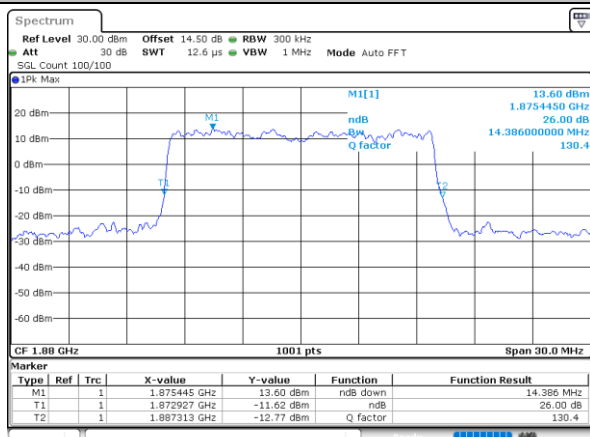
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Middle Channel / 10MHz / 16QAM



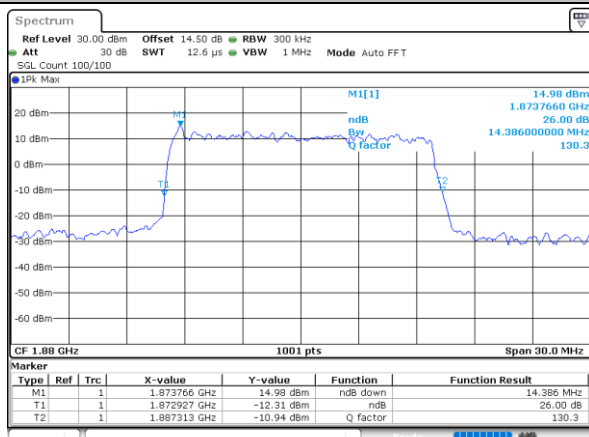
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Middle Channel / 15MHz / QPSK



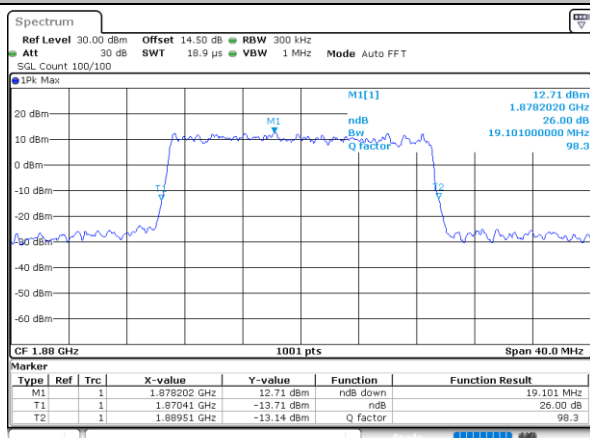
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Middle Channel / 15MHz / 16QAM



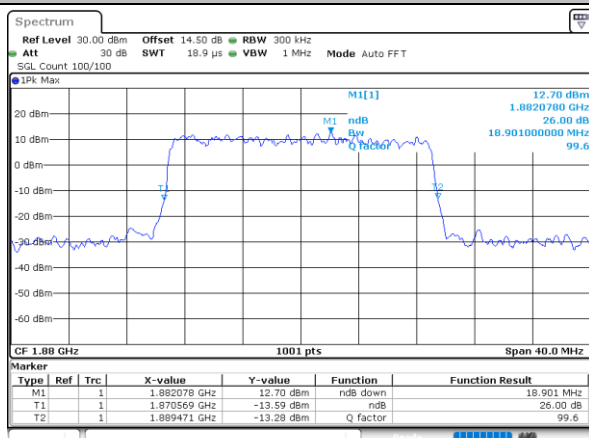
Date: 22.JAN.2025 11:53:26

Middle Channel / 20MHz / QPSK



Date: 22.JAN.2025 12:05:50

Middle Channel / 20MHz / 16QAM



Date: 22.JAN.2025 12:06:30



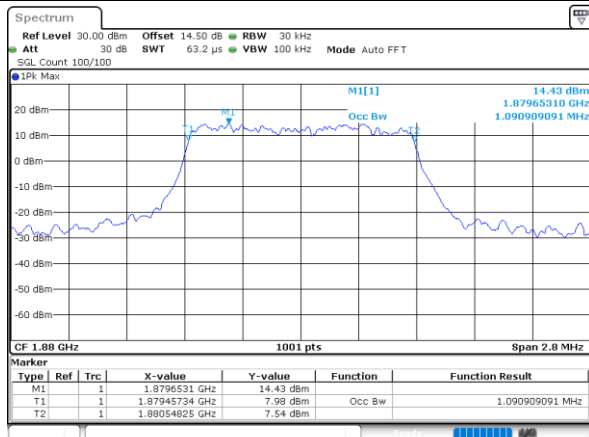
Occupied Bandwidth

Mode	LTE Band 25 : 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	1.09	1.09	2.72	2.72	4.51	4.48	8.97	8.99	13.40	13.43	17.82	17.78

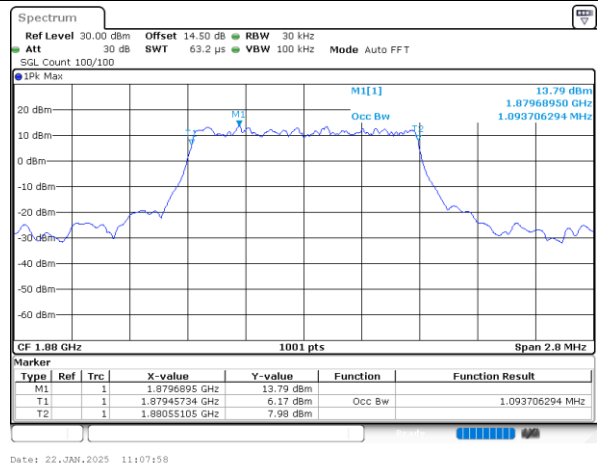


LTE Band 25

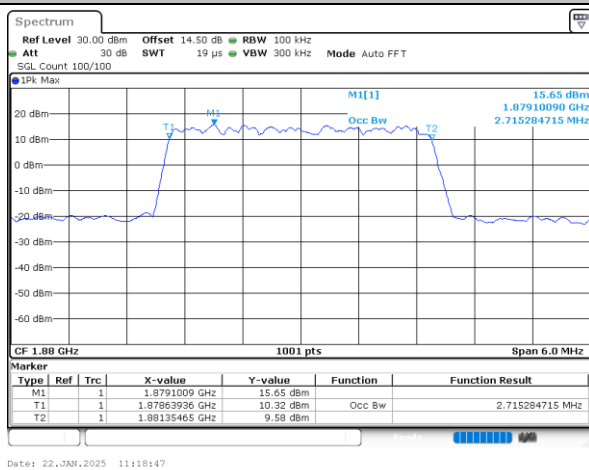
Middle Channel / 1.4MHz / QPSK



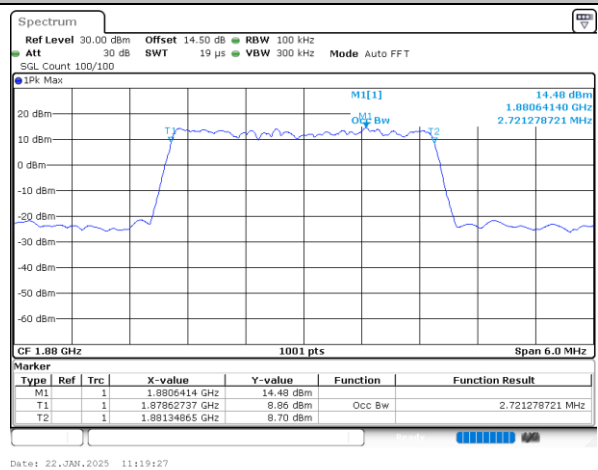
Middle Channel / 1.4MHz / 16QAM



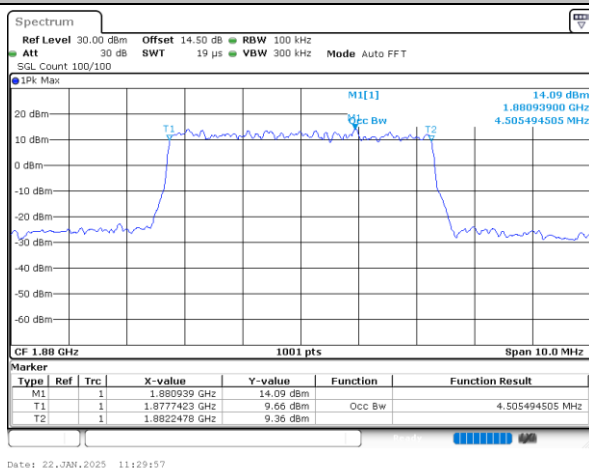
Middle Channel / 3MHz / QPSK



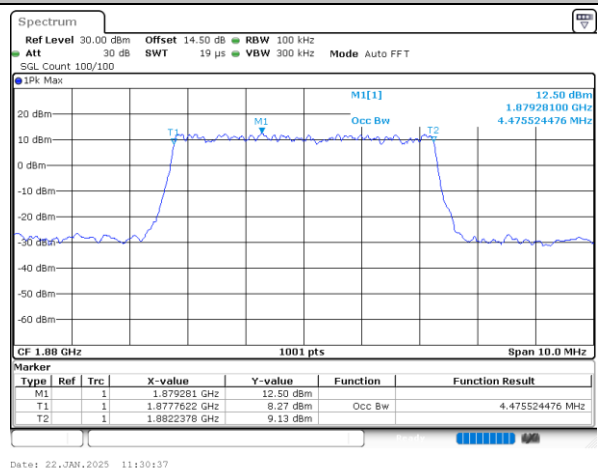
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



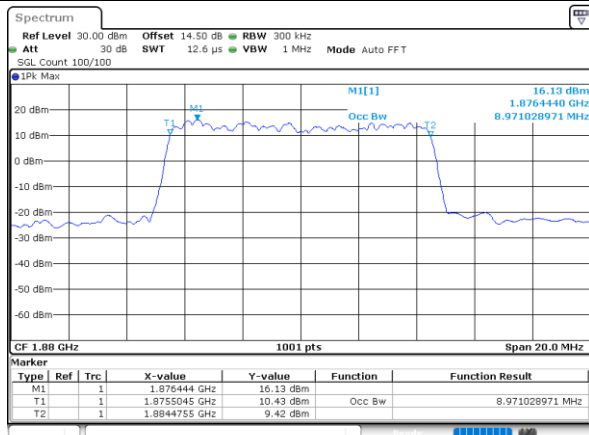
Middle Channel / 5MHz / 16QAM



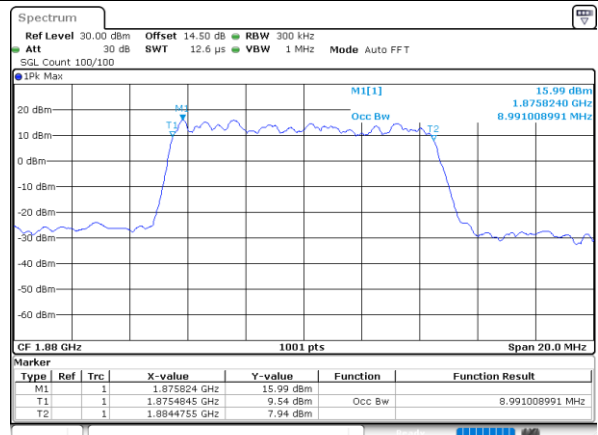


LTE Band 25

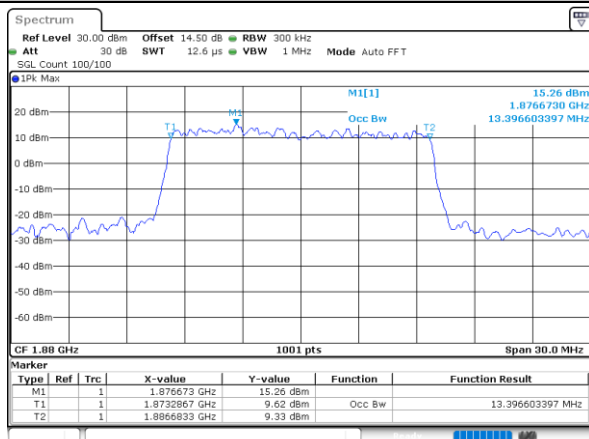
Middle Channel / 10MHz / QPSK



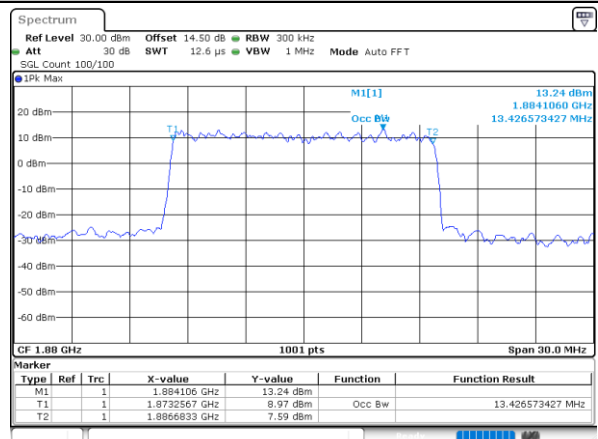
Middle Channel / 10MHz / 16QAM



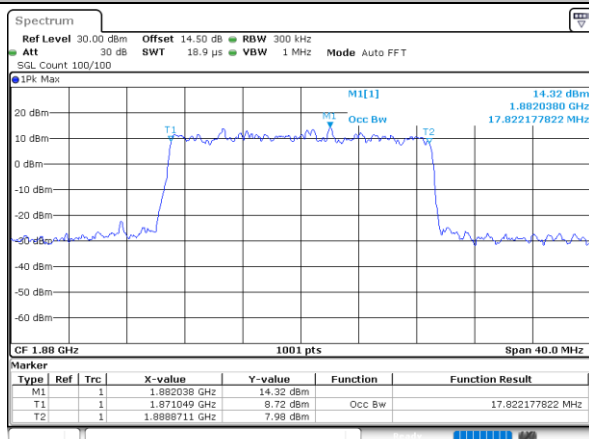
Middle Channel / 15MHz / QPSK



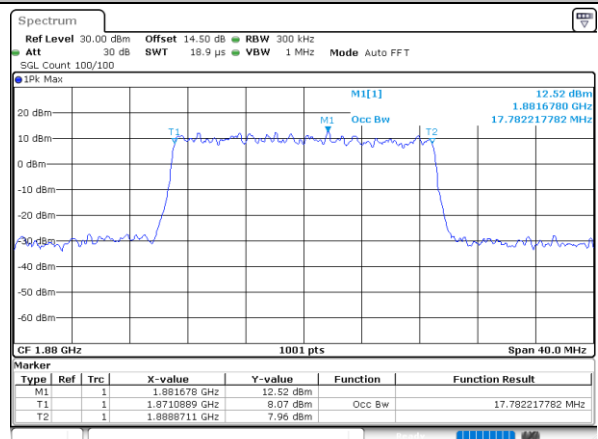
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

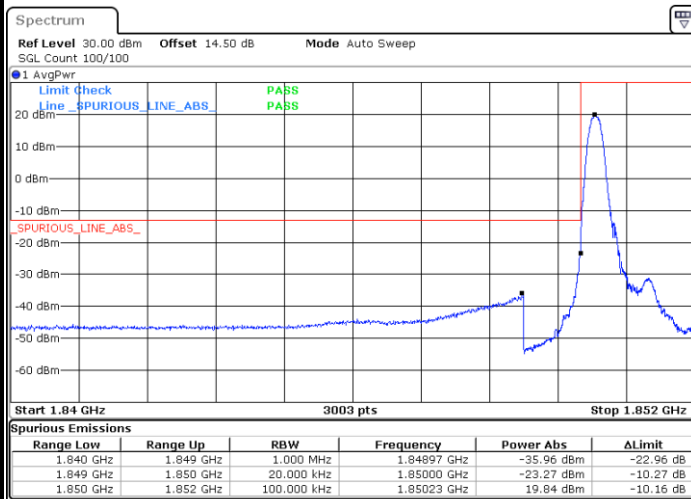




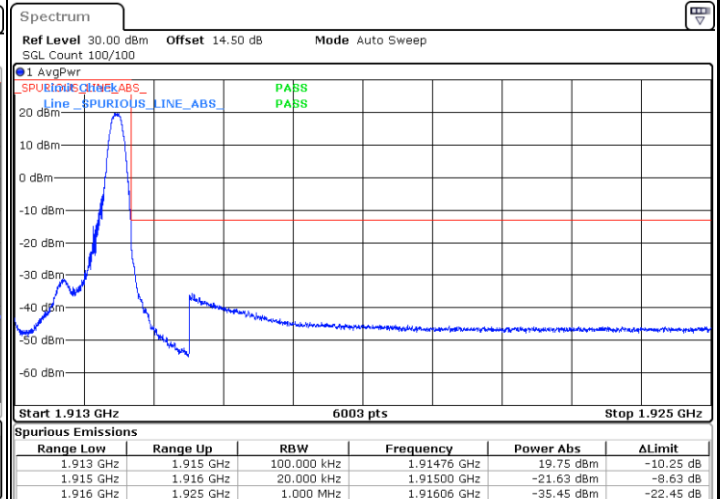
Conducted Band Edge

LTE Band 25 / 1.4MHz / QPSK

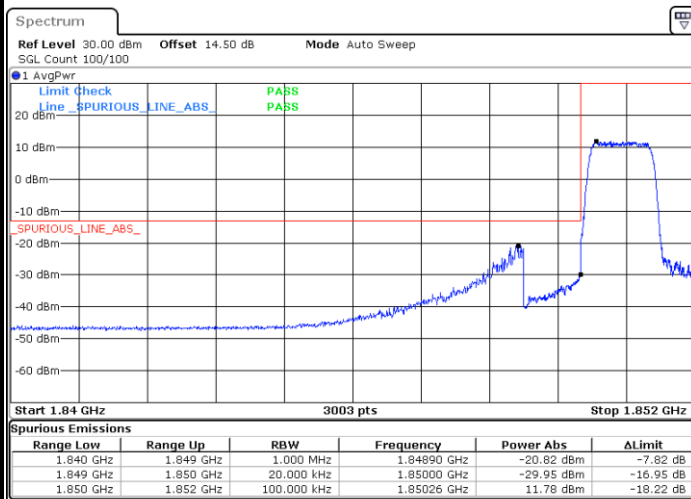
Lowest Band Edge / 1RB



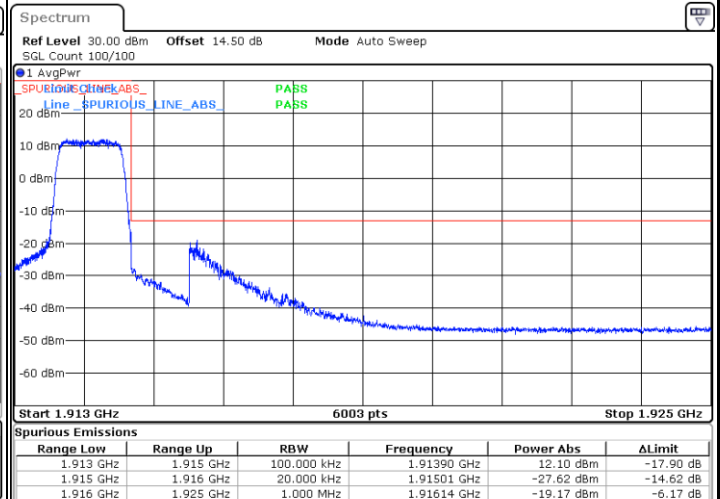
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



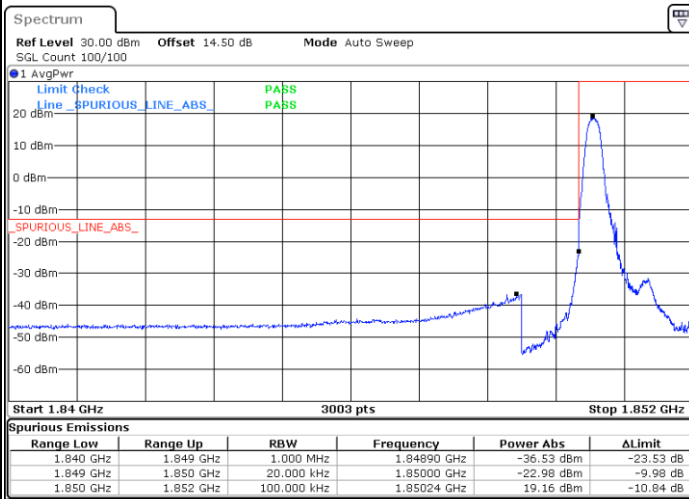
Highest Band Edge / Full RB





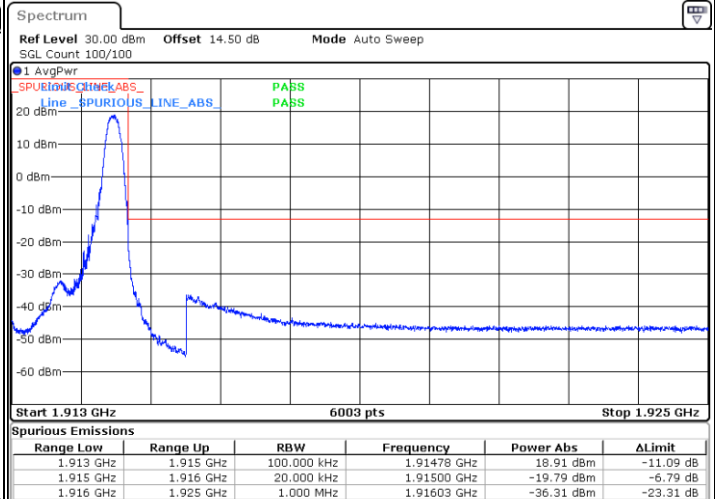
LTE Band 25 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



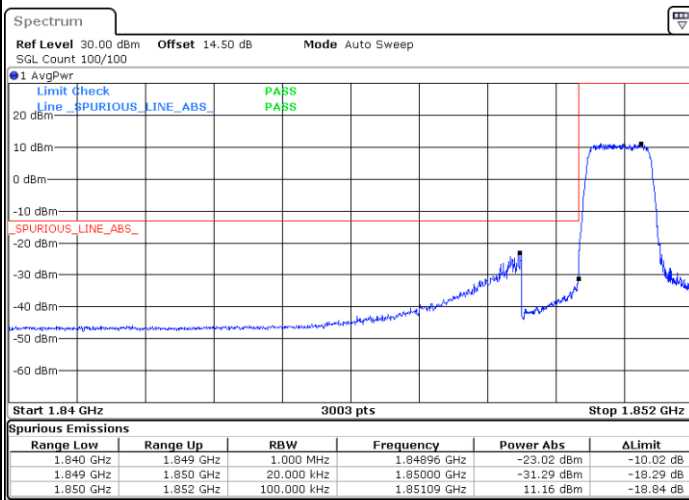
Date: 22.JAN.2025 11:02:41

Highest Band Edge / 1 RB



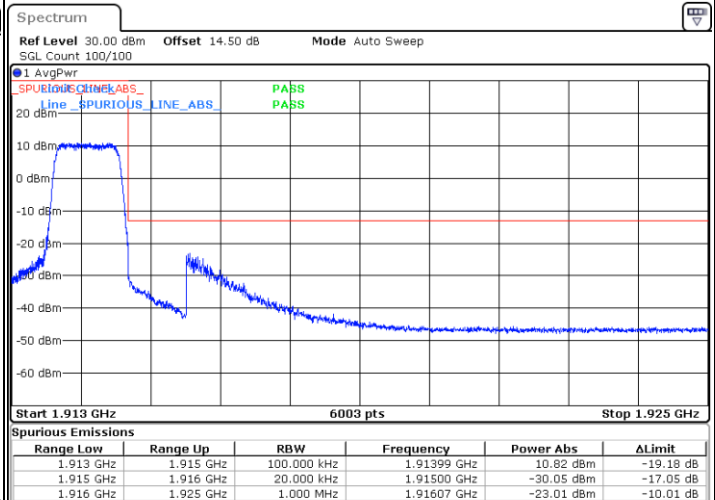
Date: 22.JAN.2025 11:09:17

Lowest Band Edge / Full RB



Date: 22.JAN.2025 11:04:19

Highest Band Edge / Full RB

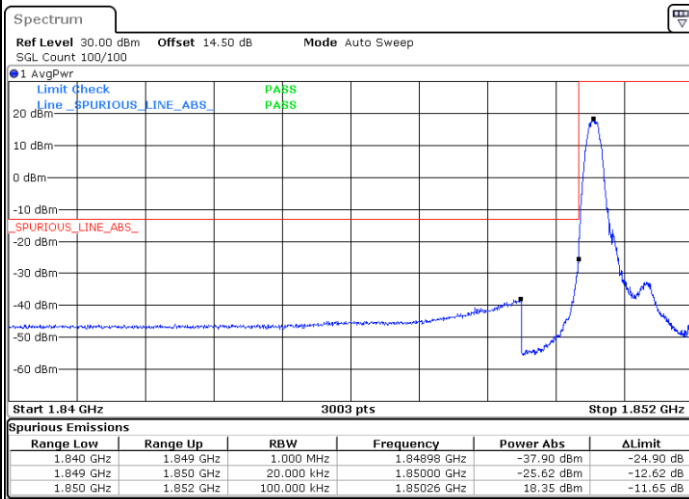


Date: 22.JAN.2025 11:10:55



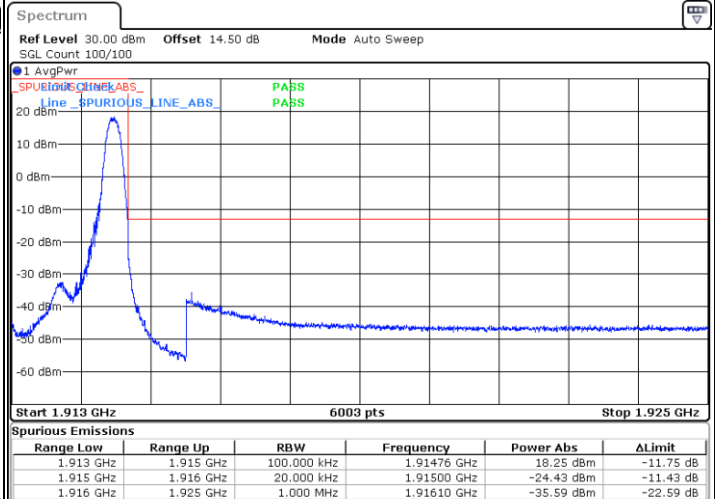
LTE Band 25 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



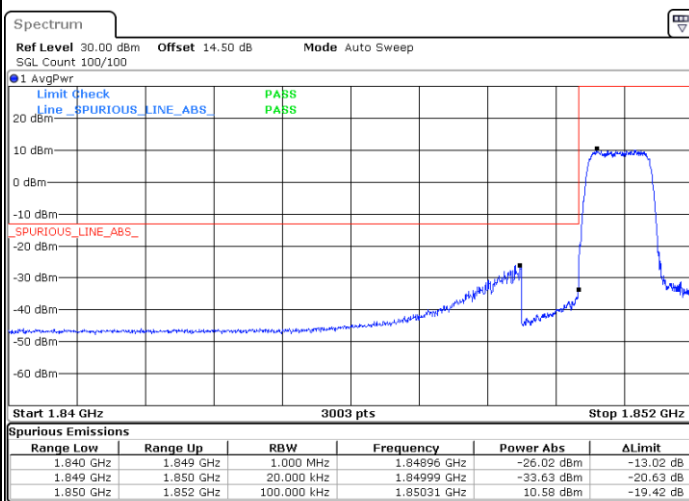
Date: 22.JAN.2025 11:03:14

Highest Band Edge / 1 RB



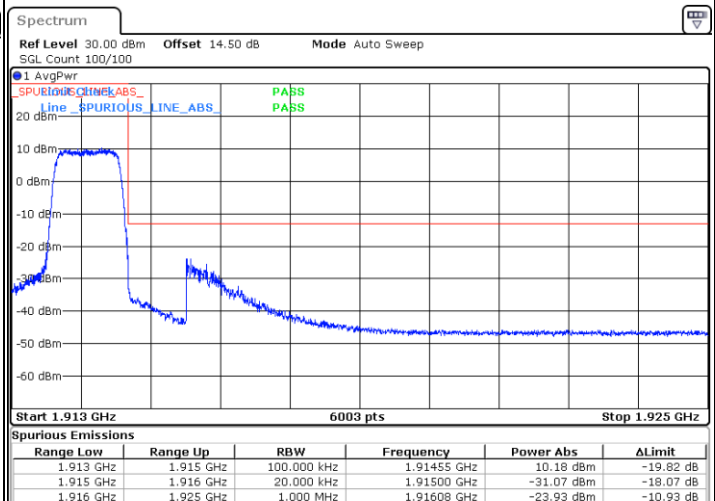
Date: 22.JAN.2025 11:09:49

Lowest Band Edge / Full RB



Date: 22.JAN.2025 11:03:46

Highest Band Edge / Full RB

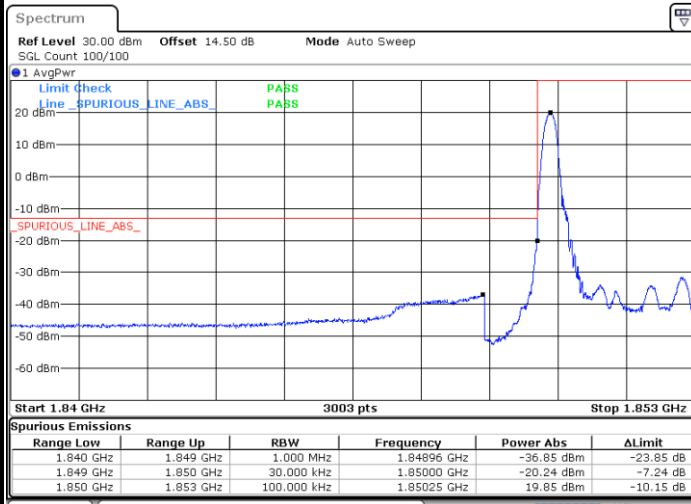


Date: 22.JAN.2025 11:10:22

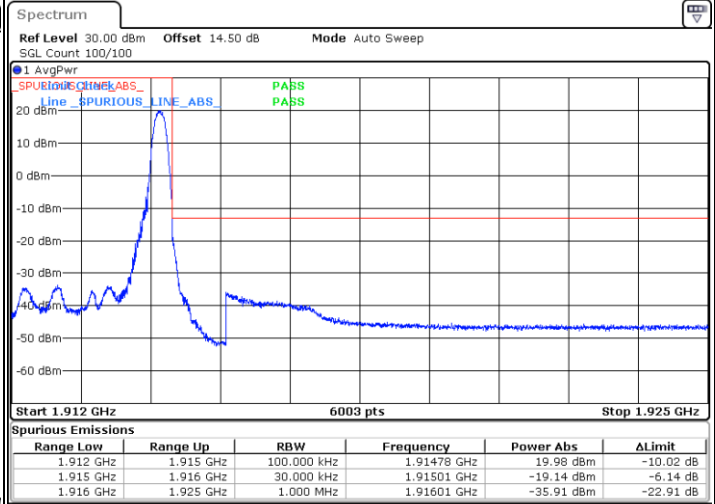


LTE Band 25 / 3MHz / QPSK

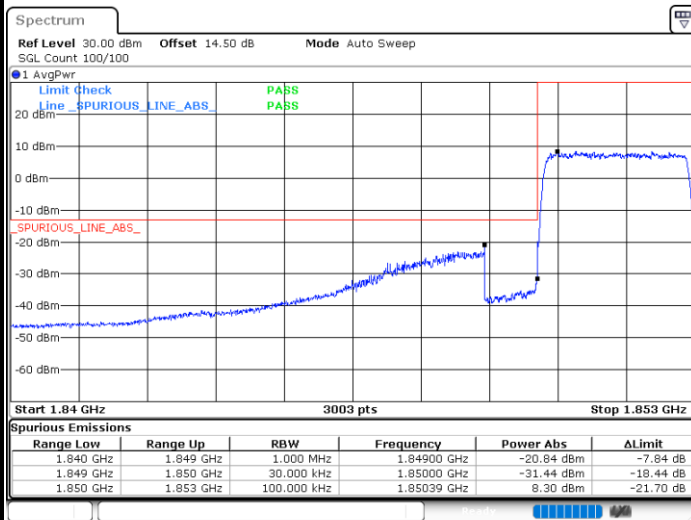
Lowest Band Edge / 1RB



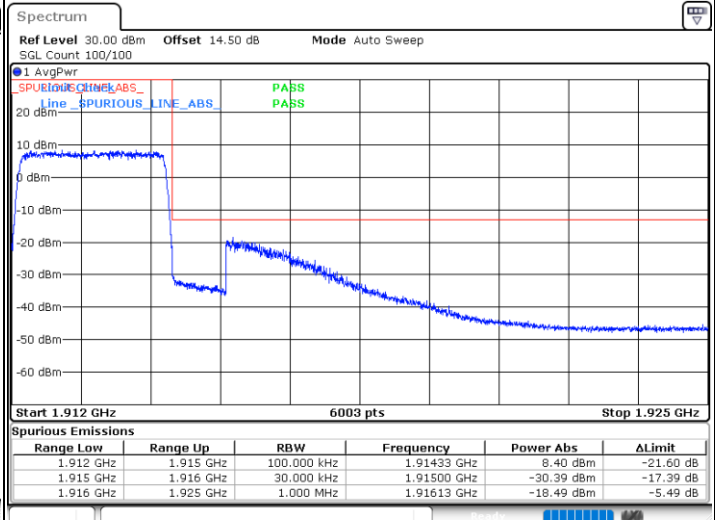
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



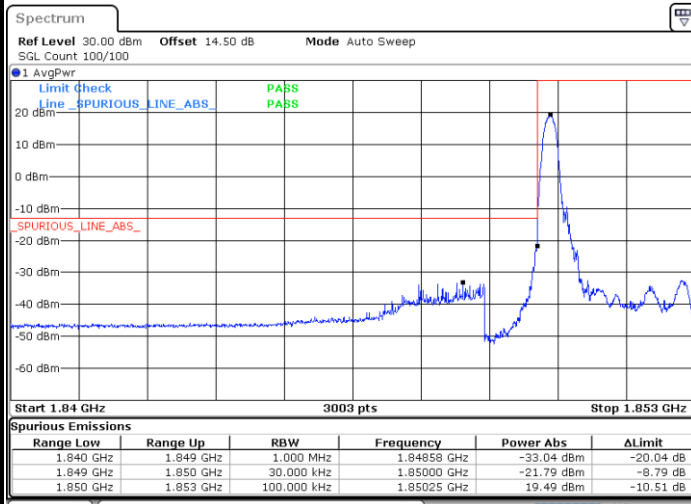
Highest Band Edge / Full RB



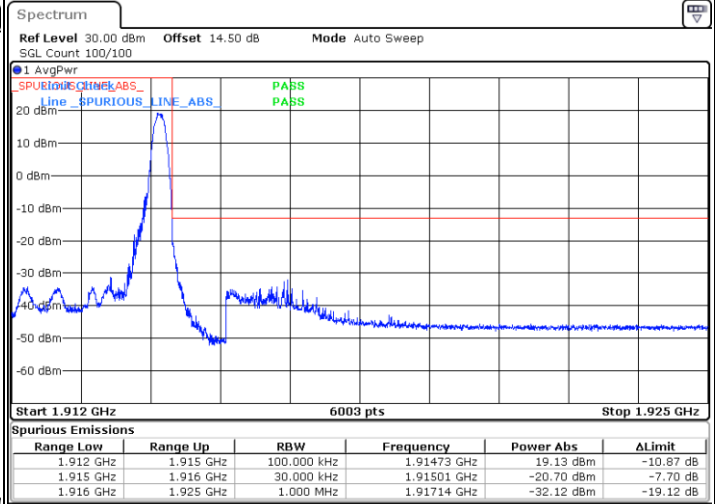


LTE Band 25 / 3MHz / 16QAM

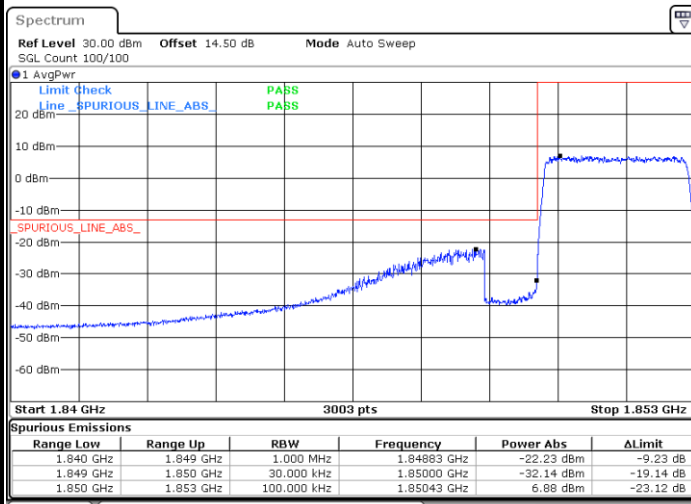
Lowest Band Edge / 1 RB



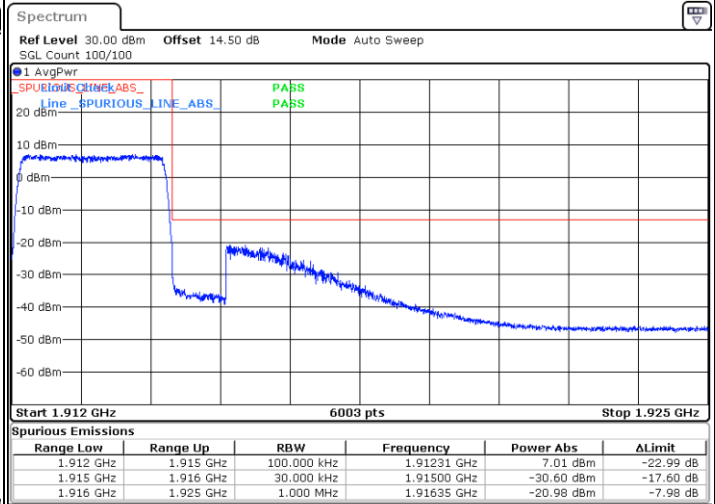
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



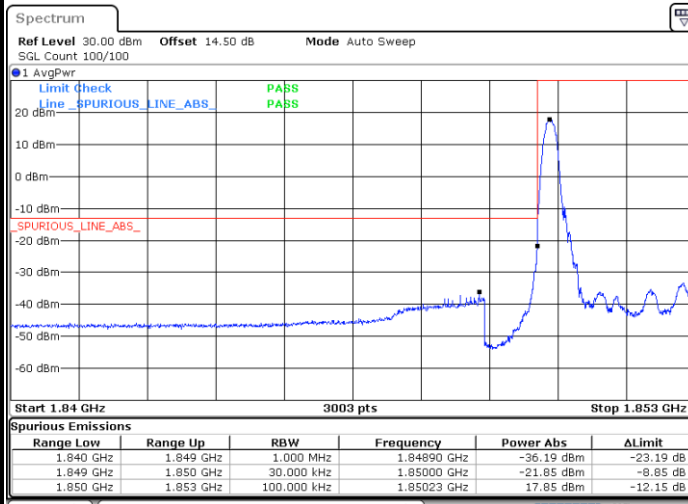
Highest Band Edge / Full RB



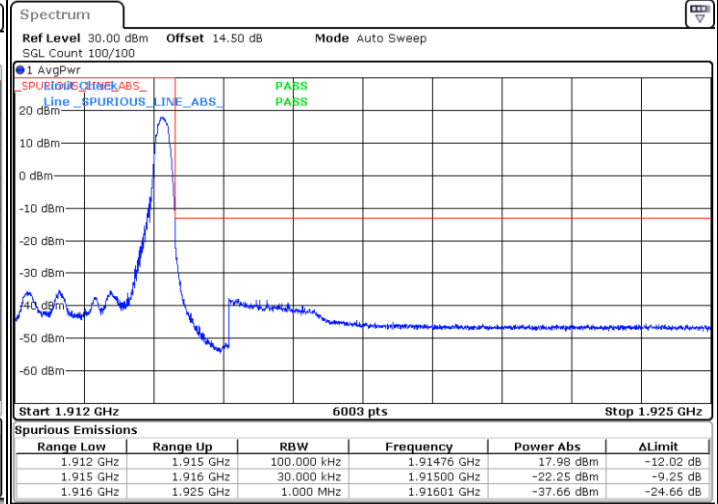


LTE Band 25 / 3MHz / 64QAM

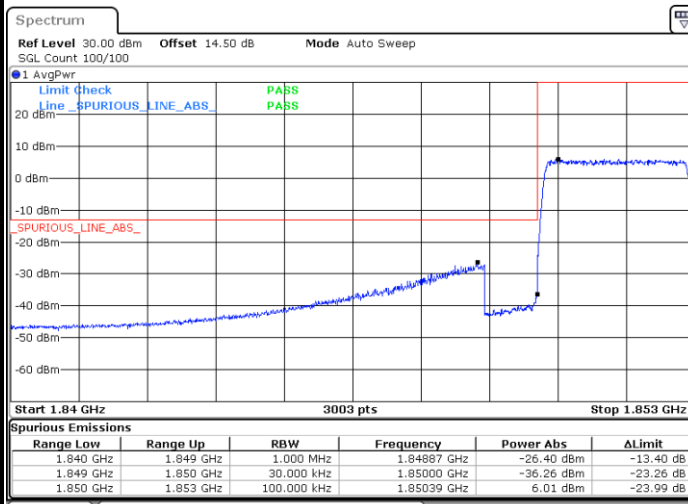
Lowest Band Edge / 1 RB



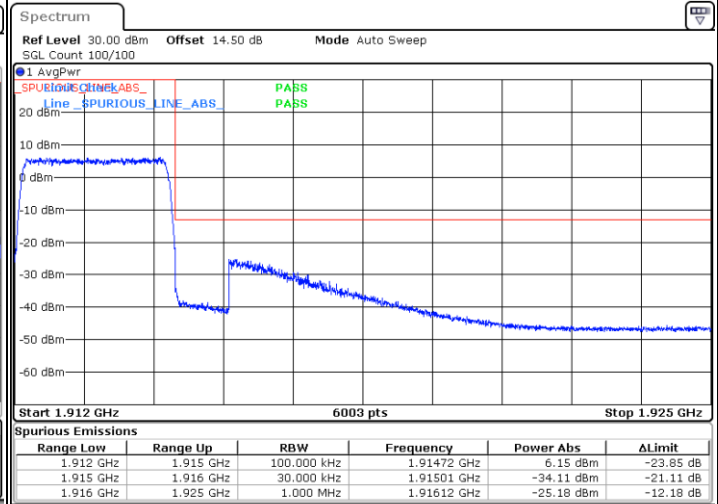
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



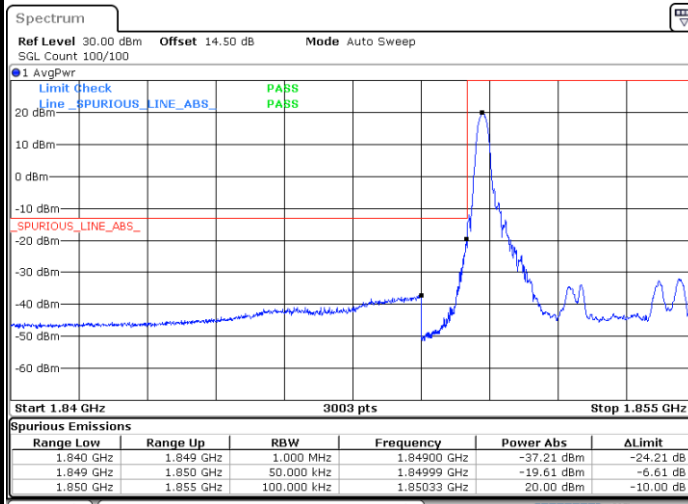
Highest Band Edge / Full RB



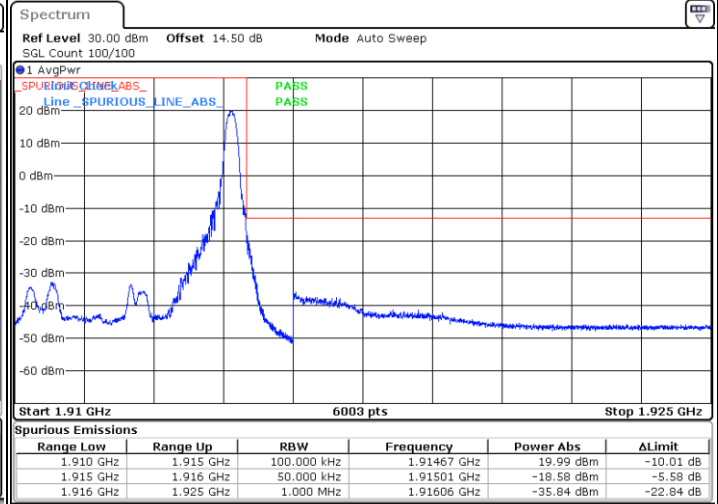


LTE Band 25 / 5MHz / QPSK

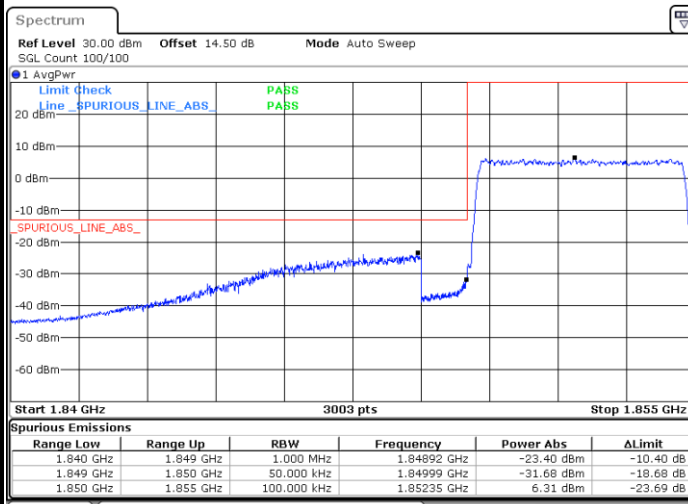
Lowest Band Edge / 1RB



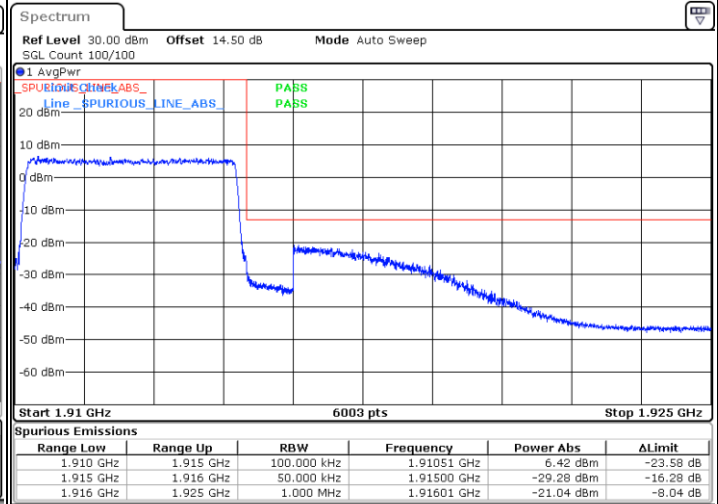
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



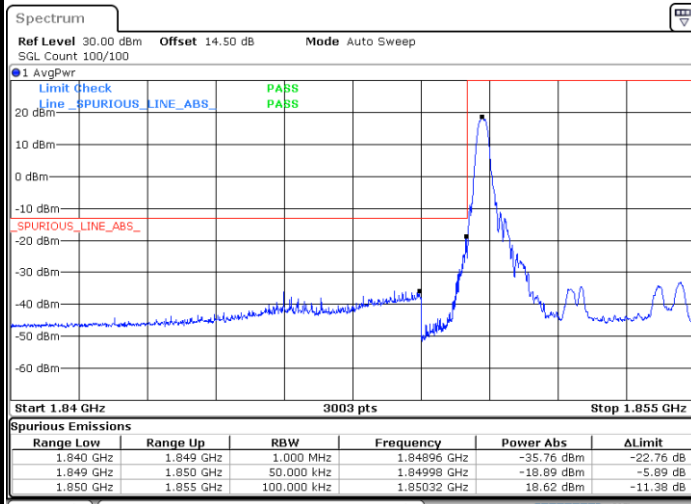
Highest Band Edge / Full RB



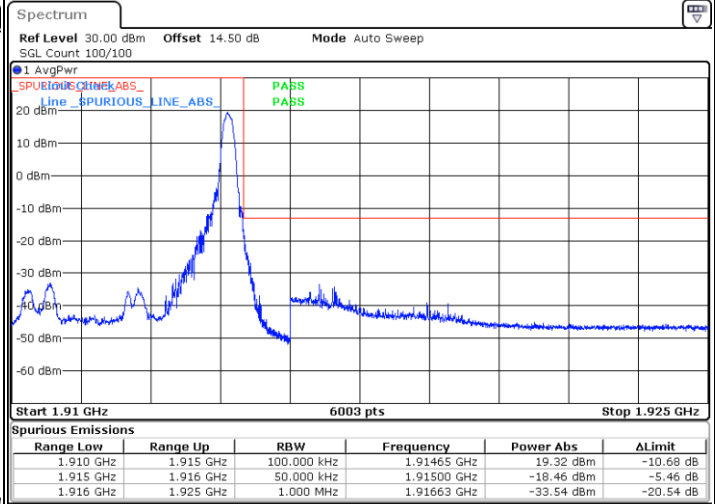


LTE Band 25 / 5MHz / 16QAM

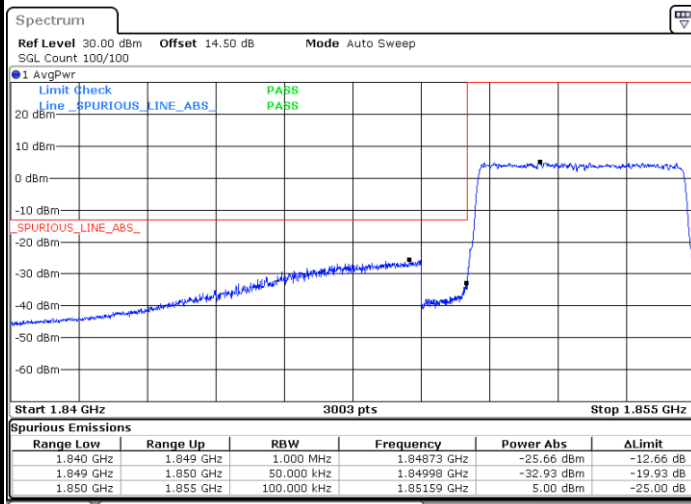
Lowest Band Edge / 1 RB



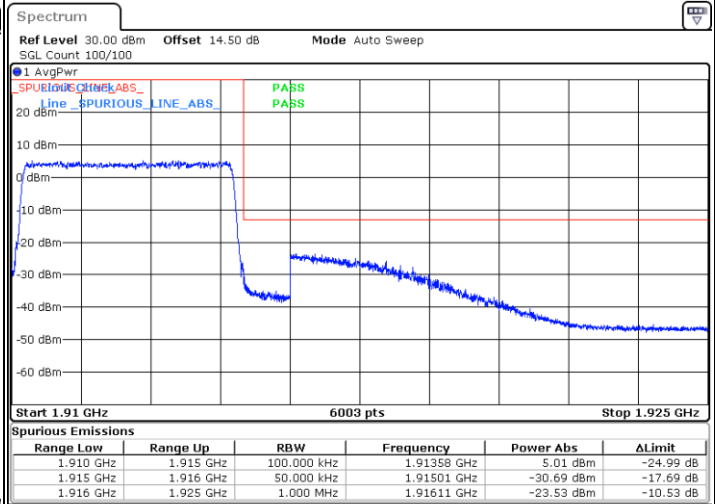
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



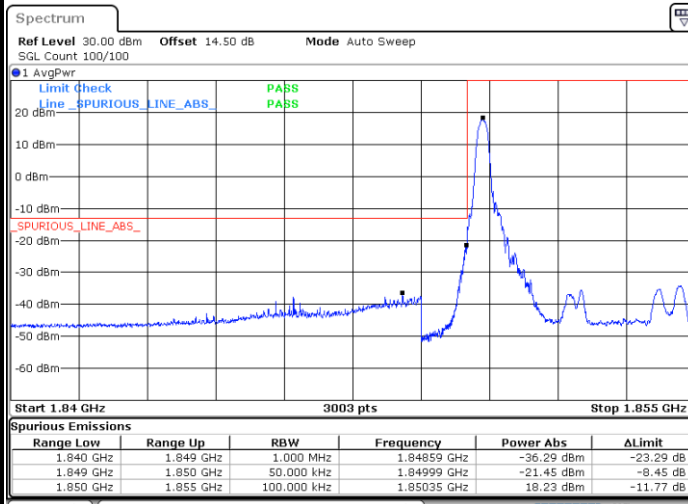
Highest Band Edge / Full RB



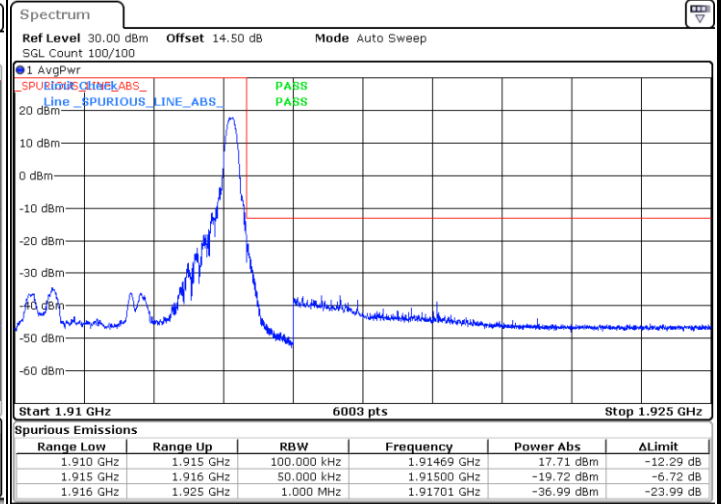


LTE Band 25 / 5MHz / 64QAM

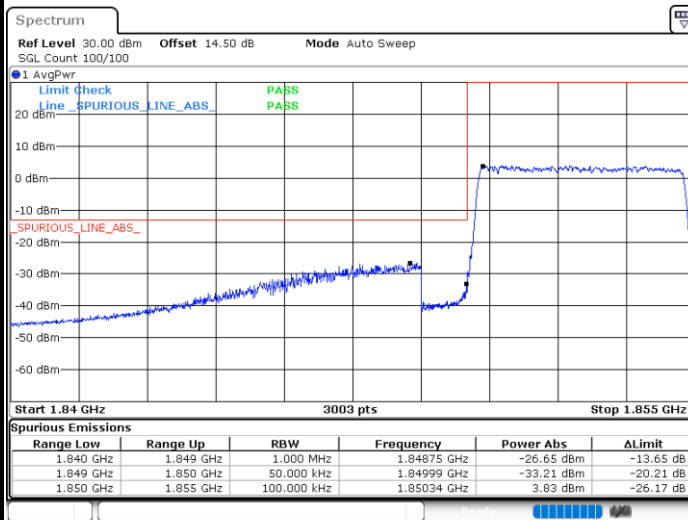
Lowest Band Edge / 1 RB



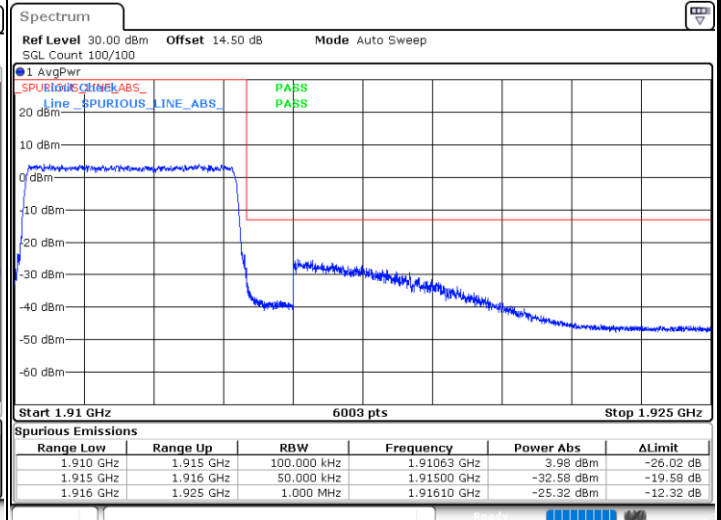
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



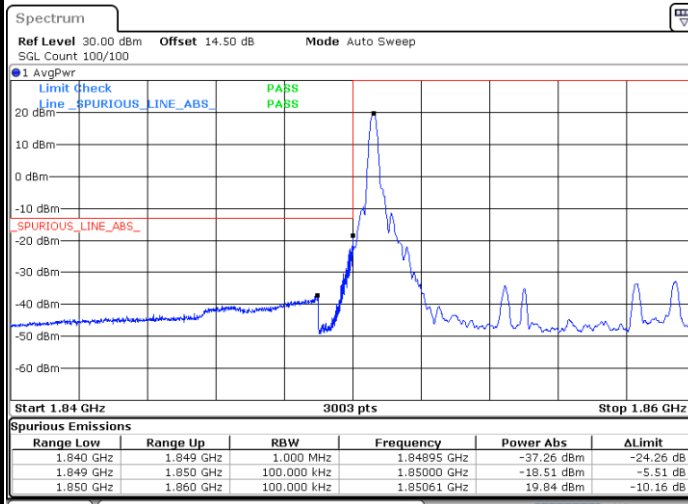
Highest Band Edge / Full RB



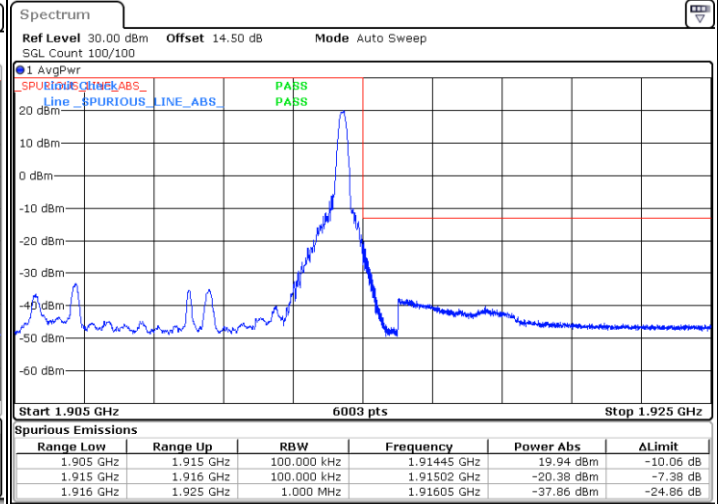


LTE Band 25 / 10MHz / QPSK

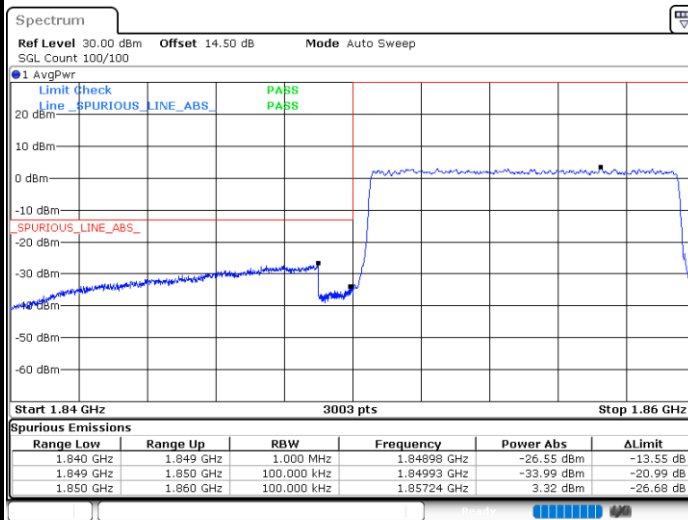
Lowest Band Edge / 1RB



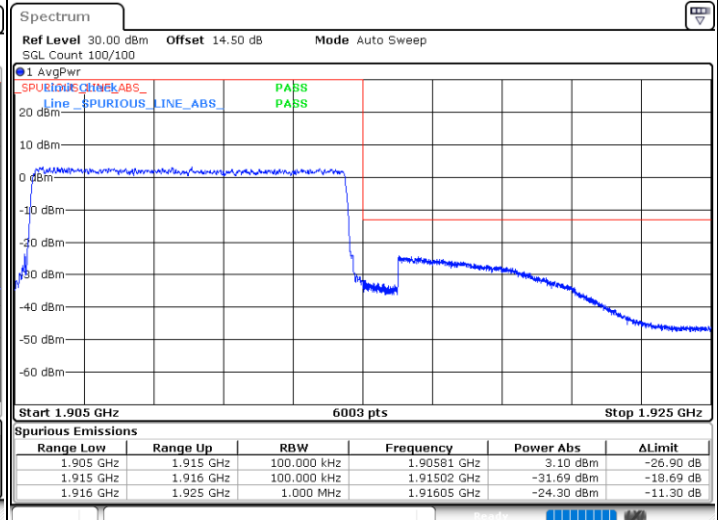
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



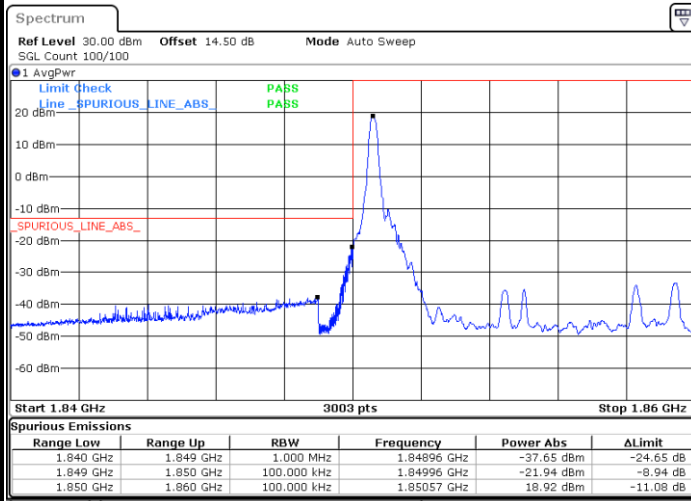
Highest Band Edge / Full RB



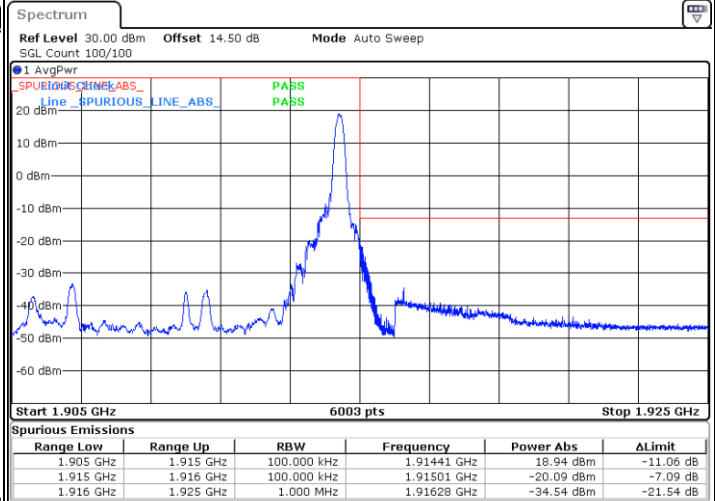


LTE Band 25 / 10MHz / 16QAM

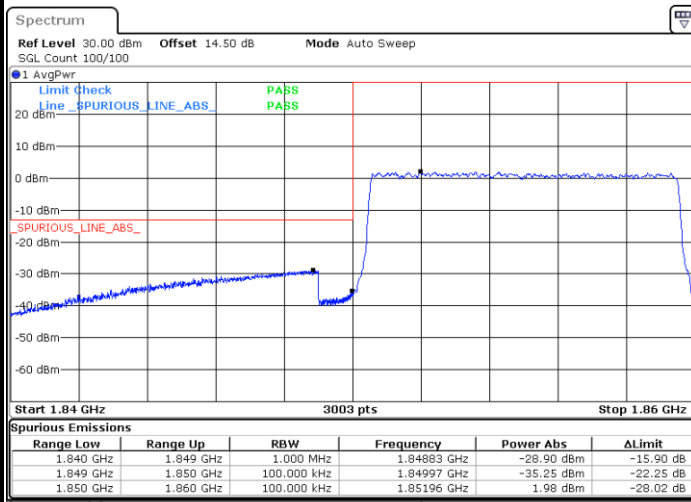
Lowest Band Edge / 1 RB



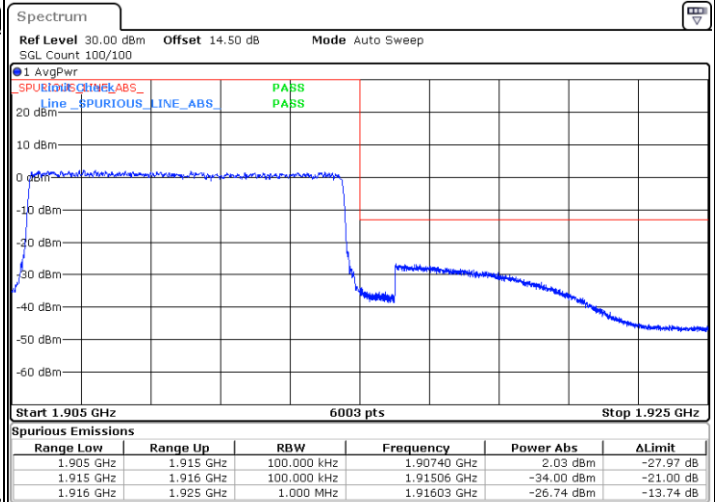
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



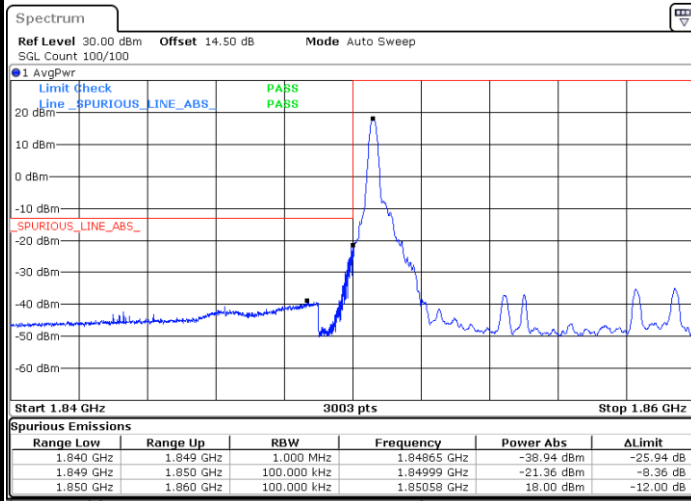
Highest Band Edge / Full RB



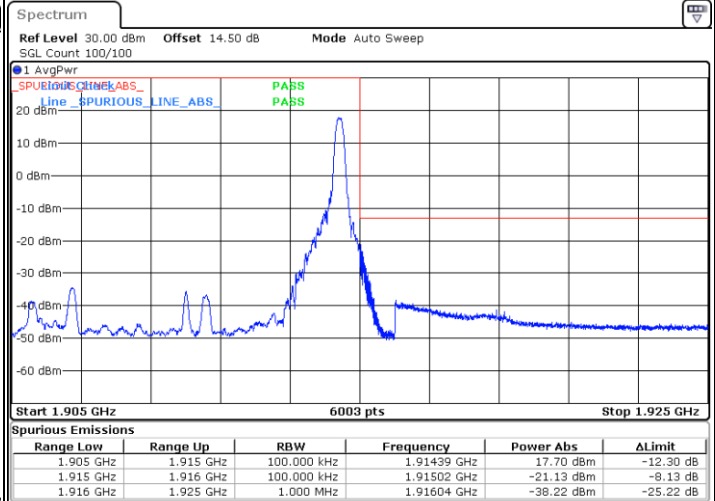


LTE Band 25 / 10MHz / 64QAM

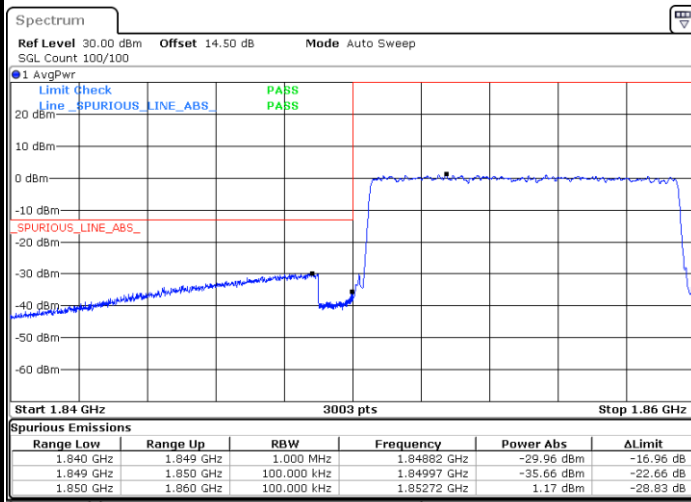
Lowest Band Edge / 1 RB



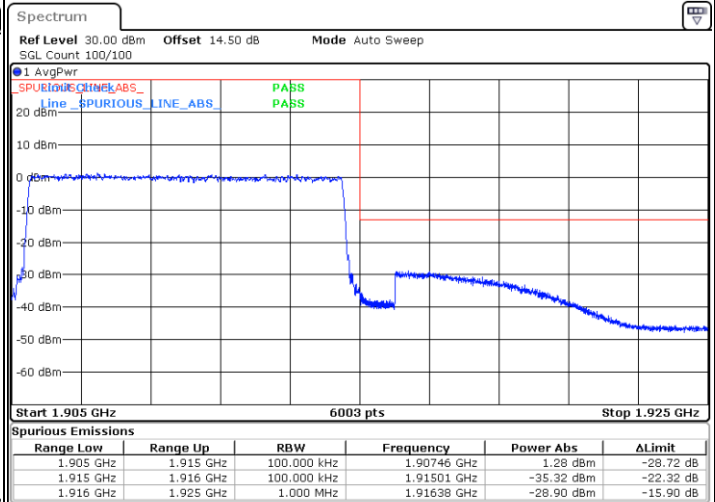
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



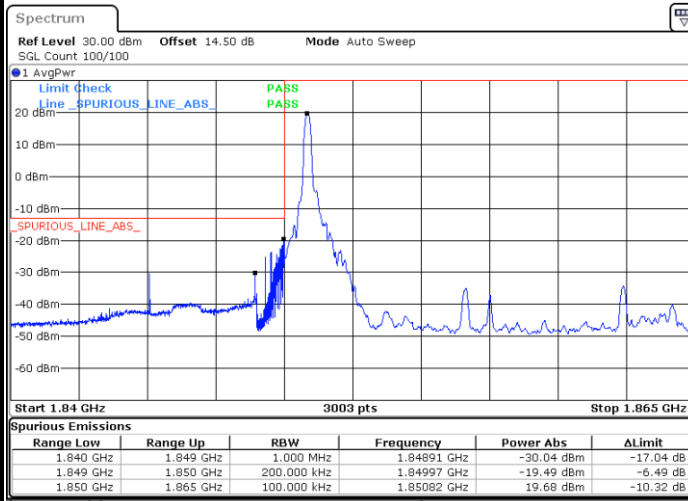
Highest Band Edge / Full RB



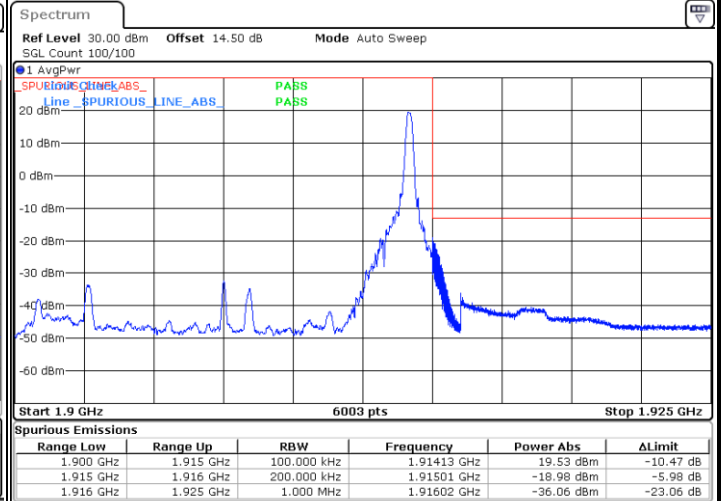


LTE Band 25 / 15MHz / QPSK

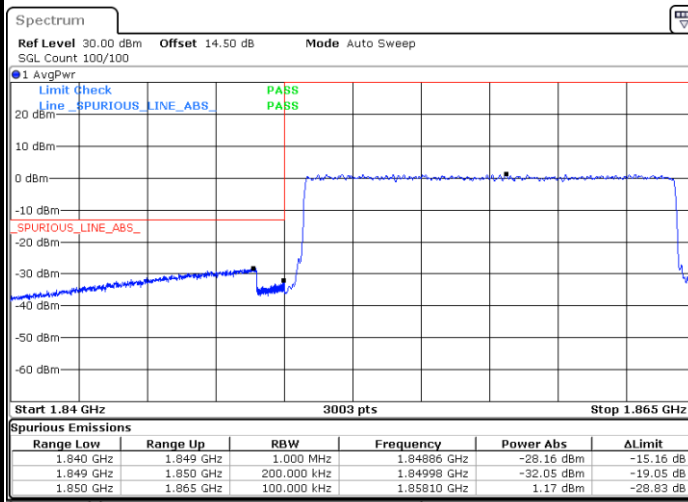
Lowest Band Edge / 1RB



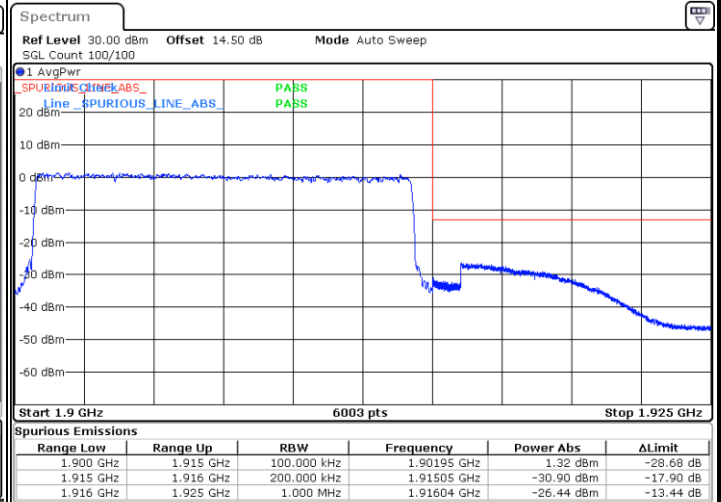
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



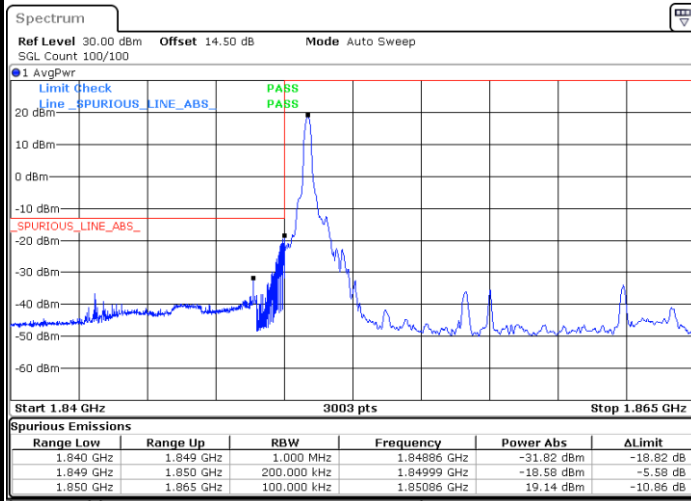
Highest Band Edge / Full RB



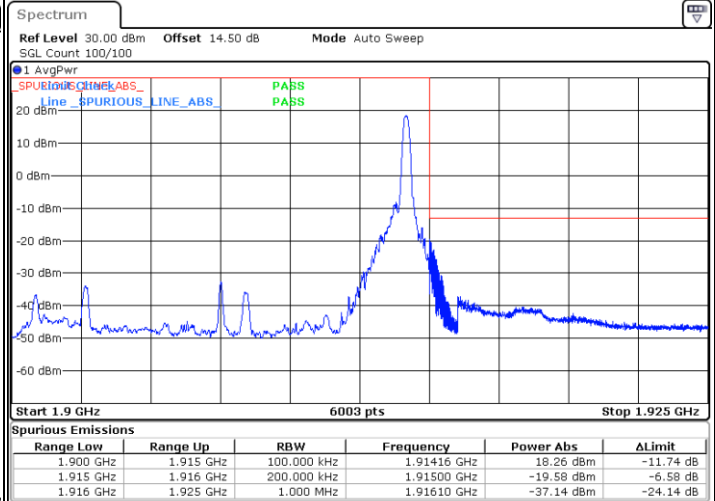


LTE Band 25 / 15MHz / 16QAM

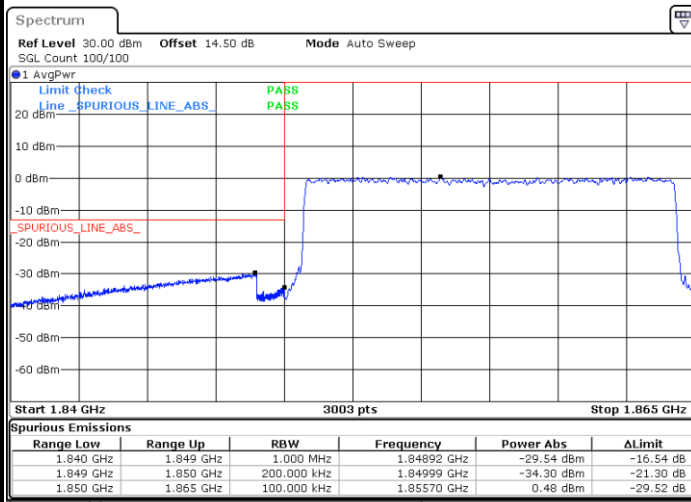
Lowest Band Edge / 1 RB



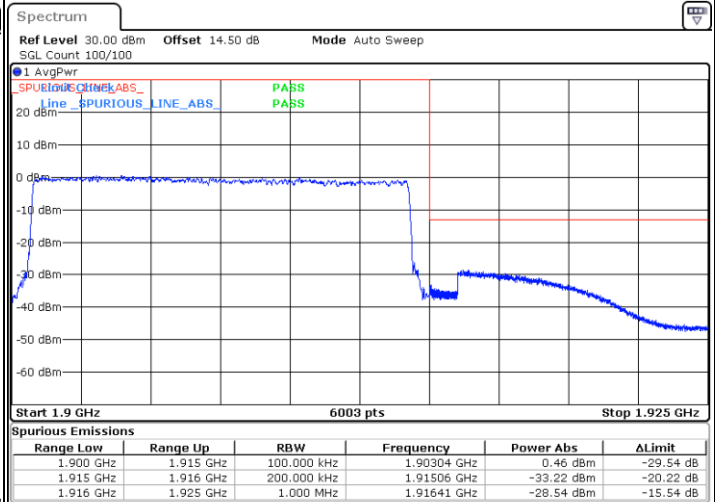
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



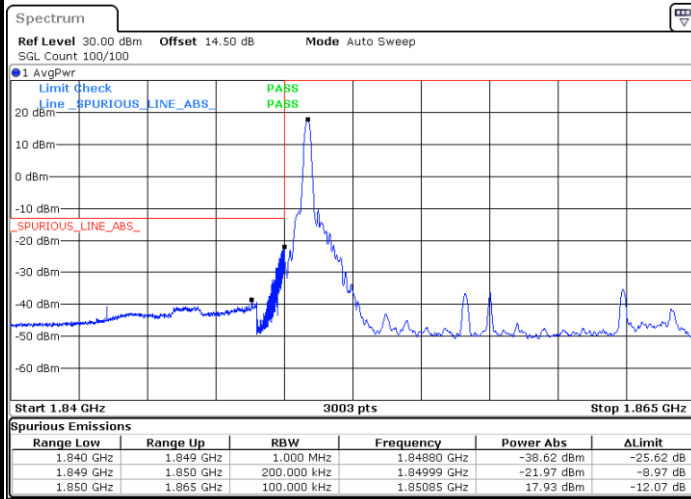
Highest Band Edge / Full RB



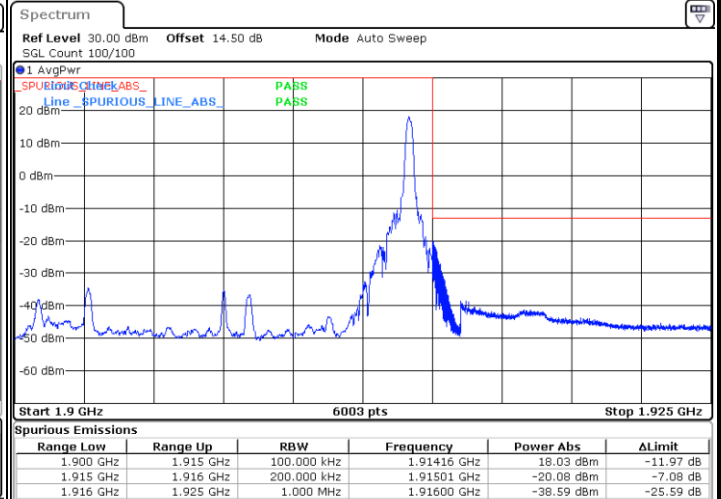


LTE Band 25 / 15MHz / 64QAM

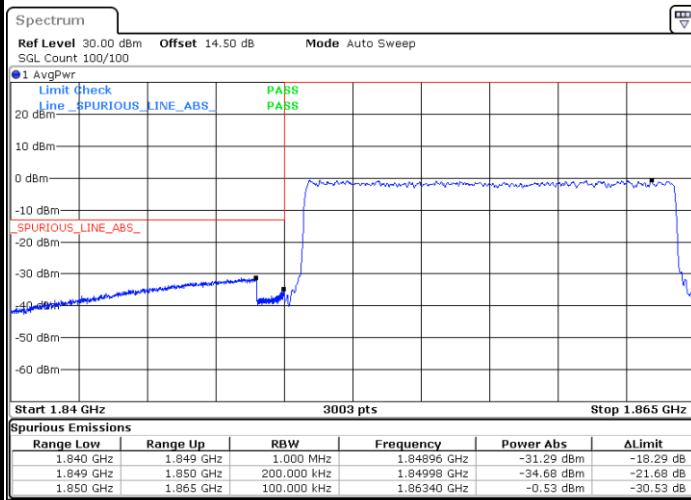
Lowest Band Edge / 1 RB



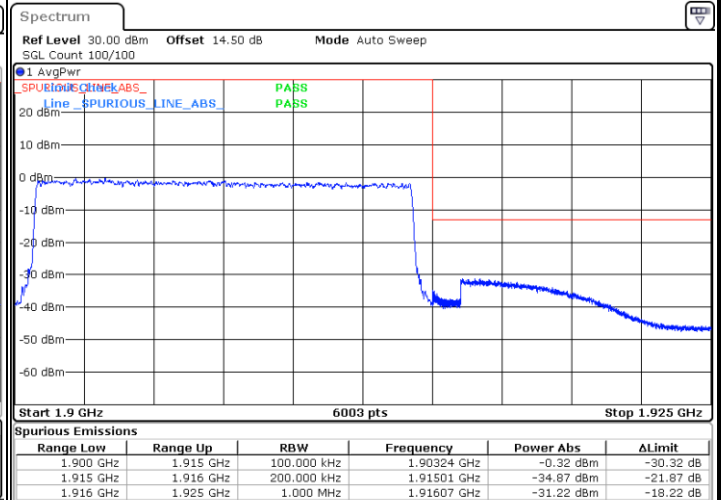
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



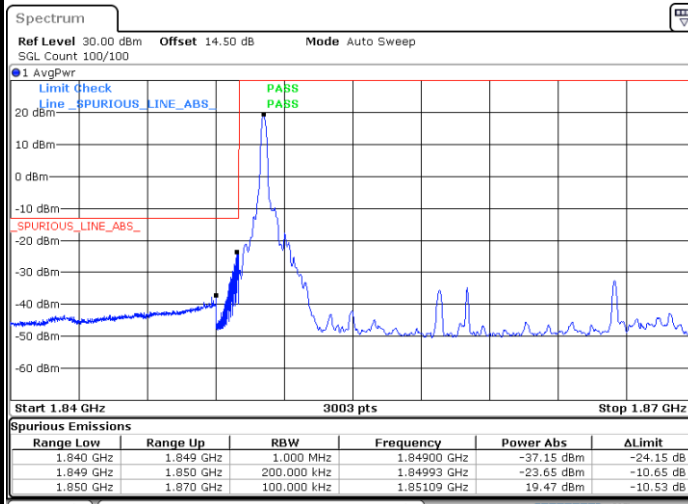
Highest Band Edge / Full RB



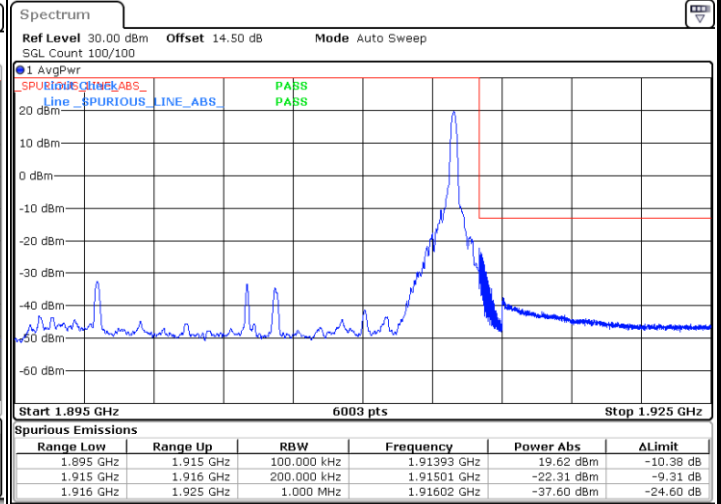


LTE Band 25 / 20MHz / QPSK

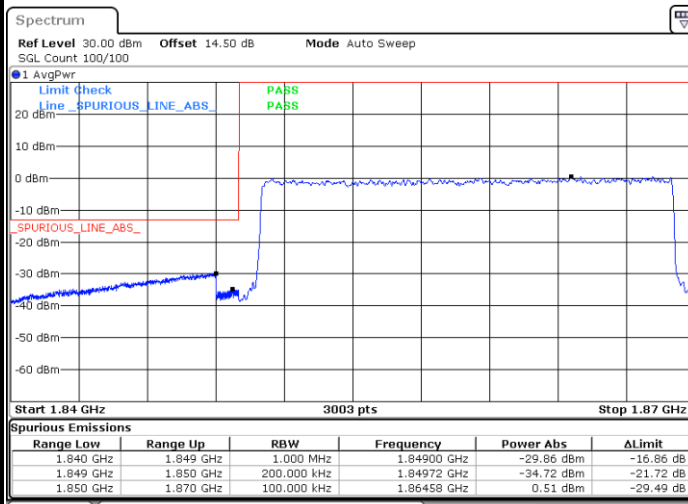
Lowest Band Edge / 1RB



Highest Band Edge / 1RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

