



FCC RF Test Report

APPLICANT : Shenzhen Zolon Technology Co.,Ltd.
EQUIPMENT : Smart Computer
BRAND NAME : ZOLON
MODEL NAME : M11
FCC ID : 2AV5BM11
STANDARD : 47 CFR Part 24(E), 27(L)
CLASSIFICATION : PCS Licensed Transmitter (PCB)
TEST DATE(S) : Jun. 13, 2025 ~ Jul. 30, 2025

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

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

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People's Republic of China



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG552610B	Rev. 01	Initial issue of report	Sep. 08, 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 §24.238(a) §27.53(h)	Conducted Band Edge Measurement (Band 2) (Band 4) (Band 25) (Band 66)	< 43+10log10(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+10log10(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 40.96 dB at 6944.00 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

Shenzhen Zolon Technology Co.,Ltd.

401, Building 3, Shenzhen Software Park, Maling Community, Yuehai Sub-district, Nanshan District, Shenzhen City, Guangdong Province, P.R.C

1.2 Manufacturer

Shenzhen Zolon Technology Co.,Ltd.

401, Building 3, Shenzhen Software Park, Maling Community, Yuehai Sub-district, Nanshan District, Shenzhen City, Guangdong Province, P.R.C

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Smart Computer
Brand Name	ZOLON
Model Name	M11
FCC ID	2AV5BM11
IMEI Code	Conducted: 869153080002831 Radiation: 869153080002196
HW Version	V02
SW Version	0.00.00.20250521
EUT Stage	Production Unit

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	LTE Band 2 : 1850 MHz ~ 1910 MHz LTE Band 4 : 1710 MHz ~ 1755 MHz LTE Band 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 : 23.18 dBm LTE Band 25 : 23.46 dBm LTE Band 66 : 22.97 dBm <ANT3>: LTE Band 2 : 23.52 dBm LTE Band 4 : 23.41 dBm LTE Band 25 : 23.60 dBm LTE Band 66 : 23.50 dBm
Antenna Gain	<ANT0>: LTE Band 2 : 0.83 dBi LTE Band 25 : 0.83 dBi LTE Band 66 : 0.17 dBi <ANT3>: LTE Band 2 : 0.68 dBi LTE Band 4 : 0.17 dBi LTE Band 25 : 0.68 dBi LTE Band 66 : 0.17 dBi
Type of Modulation	QPSK / 16QAM / 64QAM

Note:

1. The maximum ERP/EIRP is calculated from max output power and max antenna gain, so only the maximum ERP/EIRP of Antenna 0 for LTE Band25 and Antenna 3 for LTE Band2/4/66 are shown in the report.
2. The device supports two PAs for LTE Band 2/25/66 (main PA on Ant.3 and other PA on Ant.0), both the PAs are full tested, only the worst EIRP are shown.

1.5 Modification of EUT

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



1.6 Maximum ERP/EIRP Power and Emission Designator

LTE Band 2		QPSK		16QAM/64QAM	
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	0.2612	1M09G7D	0.2193	1M10W7D
3	1851.5 ~ 1908.5	0.2600	2M71G7D	0.2133	2M73W7D
5	1852.5 ~ 1907.5	0.2576	4M51G7D	0.2123	4M50W7D
10	1855.0 ~ 1905.0	0.2612	9M07G7D	0.2188	9M03W7D
15	1857.5 ~ 1902.5	0.2600	13M5G7D	0.2163	13M5W7D
20	1860.0 ~ 1900.0	0.2630	17M9G7D	0.2193	17M9W7D
LTE Band 25		QPSK		16QAM/64QAM	
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	0.2649	1M09G7D	0.2239	1M09W7D
3	1851.5 ~ 1913.5	0.2661	2M72G7D	0.2203	2M73W7D
5	1852.5 ~ 1912.5	0.2642	4M51G7D	0.2208	4M49W7D
10	1855.0 ~ 1910.0	0.2673	9M07G7D	0.2228	9M01W7D
15	1857.5 ~ 1907.5	0.2636	13M5G7D	0.2203	13M5W7D
20	1860.0 ~ 1905.0	0.2685	17M9G7D	0.2249	17M9W7D
LTE Band 4		QPSK		16QAM/64QAM	
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	0.2270	1M09G7D	0.1923	1M10W7D
3	1711.5 ~ 1753.5	0.2254	2M73G7D	0.1884	2M70W7D
5	1712.5 ~ 1752.5	0.2208	4M49G7D	0.1875	4M50W7D
10	1715.0 ~ 1750.0	0.2259	9M05G7D	0.1849	9M01W7D
15	1717.5 ~ 1747.5	0.2223	13M5G7D	0.1879	13M5W7D
20	1720.0 ~ 1745.0	0.2280	17M9G7D	0.1901	17M9W7D



LTE Band 66		QPSK		16QAM/64QAM	
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	0.2286	1M09G7D	0.1910	1M10W7D
3	1711.5 ~ 1778.5	0.2291	2M73G7D	0.1892	2M70W7D
5	1712.5 ~ 1777.5	0.2275	4M49G7D	0.1888	4M50W7D
10	1715.0 ~ 1775.0	0.2265	9M05G7D	0.1875	9M01W7D
15	1717.5 ~ 1772.5	0.2296	13M5G7D	0.1849	13M5W7D
20	1720.0 ~ 1770.0	0.2328	17M9G7D	0.1905	17M9W7D

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 main PA 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 for main PA, LTE Band 2/25 other PA were separately full tested.
3. All modulations have been tested, and only the worst test results of PSK & QAM are shown in the report.

1.7 Testing Location

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

Test Firm	Sporton International Inc. (ShenZhen)		
Test Site Location	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.
	TH01-SZ; 03CH02-SZ	CN1256	421272

1.8 Test Software

Item	Site	Manufacture	Name	Version
1.	03CH02-SZ	AUDIX	E3	6.2009-8-24a



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.



2 Test Configuration of Equipment Under Test

2.1 Test Mode

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

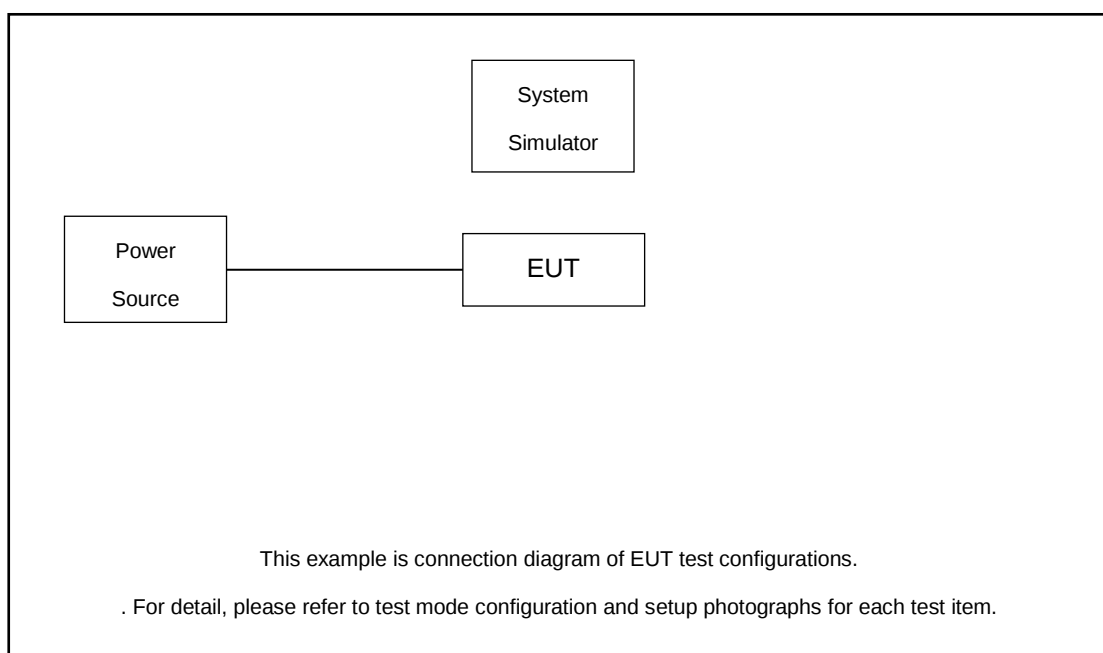
Radiated measurements are performed by rotating the EUT in three different orthogonal test planes to find the maximum emission.

Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16 QAM	64 QAM	1	Half	Full	L	M	H
Max. Output Power	2	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	4	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
	66	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	2						v	v	v	v			v		v	
	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
	4	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
	66	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.	Base Station	Anritsu	MT8821C	Fcc DoC	N/A	Unshielded, 1.8 m



2.4 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between 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

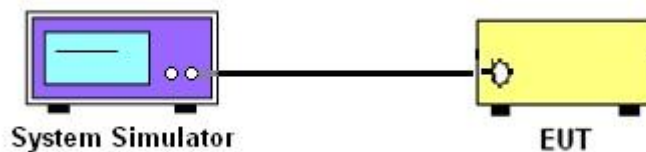
3 Conducted Test Items

3.1 Measuring Instruments

See list of measuring instruments of this test report.

3.2 Test Setup

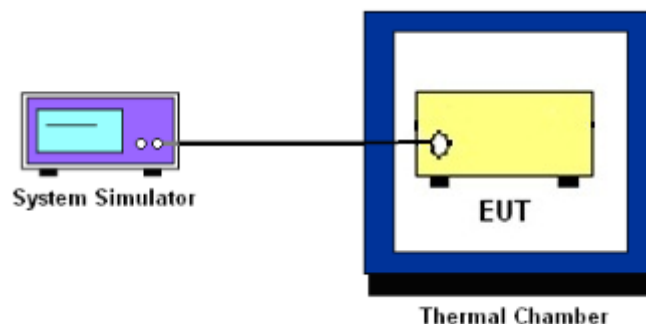
3.2.1 Conducted Output Power



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 ERP/EIRP

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

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

The 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)
 $= -13$ 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.

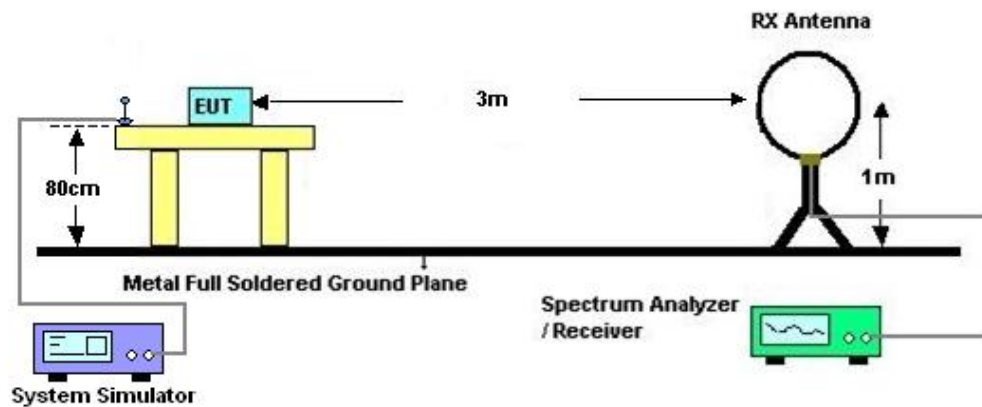
4 Radiated Test Items

4.1 Measuring Instruments

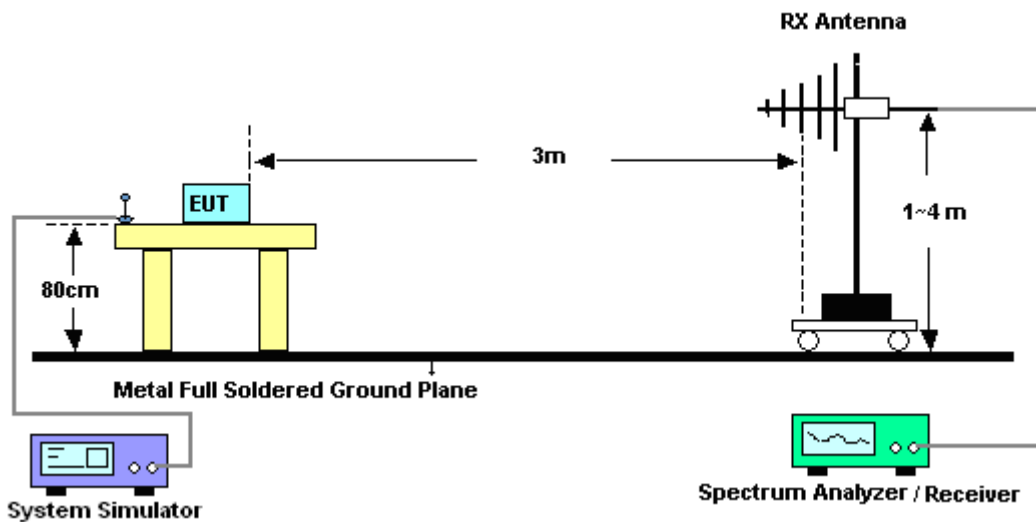
See list of measuring instruments of this test report.

4.2 Test Setup

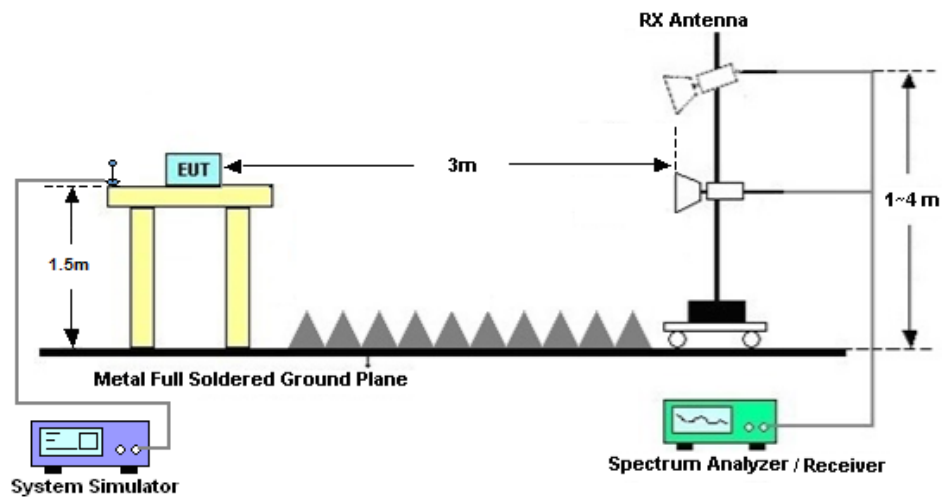
4.2.1 For radiated test below 30MHz



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. 02, 2025	Jun. 13, 2025~ Jun. 19, 2025	Apr. 01, 2026	Conducted (TH01-SZ)
DC Power Supply	TTI	PL330P	290070	Max 32V , 3A	Oct. 14, 2024	Jun. 13, 2025~ Jun. 19, 2025	Oct. 13, 2025	Conducted (TH01-SZ)
Power Divider	Titan	P02N005180	923402	0.4GHz~26.5GHz	Nov. 08, 2024	Jun. 13, 2025~ Jun. 19, 2025	Nov. 07, 2025	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 02, 2025	Jun. 13, 2025~ Jun. 19, 2025	Jul. 01, 2026	Conducted (TH01-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 03, 2025	Jul. 30, 2025	Jul. 02, 2026	Radiation (03CH02-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 28, 2024	Jul. 30, 2025	Dec. 27, 2025	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Oct. 24, 2023	Jul. 30, 2025	Oct. 23, 2025	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 04, 2025	Jul. 30, 2025	Jul. 04, 2026	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 03, 2025	Jul. 30, 2025	Jul. 03, 2026	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 03, 2025	Jul. 30, 2025	Apr. 02, 2027	Radiation (03CH02-SZ)
LF Amplifier	EM Electronics	EM330	060788	20MHz-3GHz	Dec. 25, 2024	Jul. 30, 2025	Dec. 24, 2025	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 14, 2024	Jul. 30, 2025	Oct. 13, 2025	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	616010003043	N/A	Oct. 18, 2024	Jul. 30, 2025	Oct. 17, 2025	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	Jul. 30, 2025	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	Jul. 30, 2025	NCR	Radiation (03CH02-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	± 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% ($U = 2U_c(y)$)	2.47dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	3.31dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	3.72dB
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----- THE END -----



Appendix A. Test Results of Conducted Test

Test Engineer :	Lorenzo Liu	Temperature :	24~26°C
		Relative Humidity :	50~53%

Conducted Output Power(Average power) and ERP/EIRP

LTE Band 2_ANT3:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				18700	18900	19100			
Frequency (MHz)				1860	1880	1900	L	M	H
20	QPSK	1	0	23.28	23.34	23.35	0.2489	0.2523	0.2529
20	QPSK	1	49	23.50	23.52	23.50	0.2618	0.2630	0.2618
20	QPSK	1	99	23.24	23.26	23.35	0.2466	0.2477	0.2529
20	QPSK	50	0	22.49	22.53	22.50	0.2075	0.2094	0.2080
20	QPSK	50	24	22.44	22.50	22.47	0.2051	0.2080	0.2065
20	QPSK	50	50	22.40	22.39	22.28	0.2032	0.2028	0.1977
20	QPSK	100	0	22.40	22.45	22.36	0.2032	0.2056	0.2014
20	16QAM	1	0	22.55	22.59	22.58	0.2104	0.2123	0.2118
20	16QAM	1	49	22.73	22.65	22.65	0.2193	0.2153	0.2153
20	16QAM	1	99	22.43	22.55	22.52	0.2046	0.2104	0.2089
20	16QAM	50	0	21.39	21.49	21.49	0.1611	0.1648	0.1648
20	16QAM	50	24	21.45	21.48	21.48	0.1633	0.1644	0.1644
20	16QAM	50	50	21.40	21.36	21.28	0.1614	0.1600	0.1570
20	16QAM	100	0	21.37	21.45	21.39	0.1603	0.1633	0.1611
20	64QAM	1	0	21.52	21.44	21.39	0.1660	0.1629	0.1611
20	64QAM	1	49	21.56	21.57	21.60	0.1675	0.1679	0.1690
20	64QAM	1	99	21.36	21.43	21.46	0.1600	0.1626	0.1637
20	64QAM	50	0	20.38	20.47	20.47	0.1276	0.1303	0.1303
20	64QAM	50	24	20.44	20.45	20.45	0.1294	0.1297	0.1297
20	64QAM	50	50	20.37	20.37	20.27	0.1274	0.1274	0.1245
20	64QAM	100	0	20.37	20.44	20.36	0.1274	0.1294	0.1271
Channel				18675	18900	19125	EIRP(W)		
Frequency (MHz)				1857.5	1880	1902.5	L	M	H
15	QPSK	1	0	23.27	23.26	23.31	0.2483	0.2477	0.2506
15	QPSK	1	37	23.47	23.45	23.46	0.2600	0.2588	0.2594
15	QPSK	1	74	23.20	23.23	23.21	0.2443	0.2460	0.2449
15	QPSK	36	0	22.36	22.46	22.47	0.2014	0.2061	0.2065
15	QPSK	36	20	22.34	22.49	22.32	0.2004	0.2075	0.1995
15	QPSK	36	39	22.35	22.24	22.20	0.2009	0.1959	0.1941
15	QPSK	75	0	22.35	22.32	22.30	0.2009	0.1995	0.1986



15	16QAM	1	0	22.53	22.48	22.57	0.2094	0.2070	0.2113
15	16QAM	1	37	22.67	22.62	22.52	0.2163	0.2138	0.2089
15	16QAM	1	74	22.32	22.52	22.37	0.1995	0.2089	0.2018
15	16QAM	36	0	21.25	21.46	21.44	0.1560	0.1637	0.1629
15	16QAM	36	20	21.30	21.47	21.38	0.1578	0.1641	0.1607
15	16QAM	36	39	21.31	21.26	21.25	0.1581	0.1563	0.1560
15	16QAM	75	0	21.32	21.44	21.28	0.1585	0.1629	0.1570
15	64QAM	1	0	21.45	21.31	21.25	0.1633	0.1581	0.1560
15	64QAM	1	37	21.43	21.44	21.51	0.1626	0.1629	0.1656
15	64QAM	1	74	21.33	21.34	21.40	0.1589	0.1592	0.1614
15	64QAM	36	0	20.36	20.35	20.38	0.1271	0.1268	0.1276
15	64QAM	36	20	20.40	20.43	20.37	0.1282	0.1291	0.1274
15	64QAM	36	39	20.26	20.35	20.23	0.1242	0.1268	0.1233
15	64QAM	75	0	20.31	20.39	20.24	0.1256	0.1279	0.1236
Channel				18650	18900	19150	EIRP(W)		
Frequency (MHz)				1855	1880	1905	L	M	H
10	QPSK	1	0	23.14	23.28	23.21	0.2410	0.2489	0.2449
10	QPSK	1	25	23.41	23.46	23.49	0.2564	0.2594	0.2612
10	QPSK	1	49	23.12	23.18	23.21	0.2399	0.2432	0.2449
10	QPSK	25	0	22.37	22.49	22.47	0.2018	0.2075	0.2065
10	QPSK	25	12	22.36	22.38	22.35	0.2014	0.2023	0.2009
10	QPSK	25	25	22.26	22.32	22.27	0.1968	0.1995	0.1972
10	QPSK	50	0	22.30	22.31	22.31	0.1986	0.1991	0.1991
10	16QAM	1	0	22.44	22.45	22.47	0.2051	0.2056	0.2065
10	16QAM	1	25	22.72	22.57	22.59	0.2188	0.2113	0.2123
10	16QAM	1	49	22.34	22.52	22.45	0.2004	0.2089	0.2056
10	16QAM	25	0	21.27	21.42	21.36	0.1567	0.1622	0.1600
10	16QAM	25	12	21.31	21.34	21.36	0.1581	0.1592	0.1600
10	16QAM	25	25	21.33	21.21	21.23	0.1589	0.1545	0.1552
10	16QAM	50	0	21.29	21.43	21.30	0.1574	0.1626	0.1578
10	64QAM	1	0	21.39	21.38	21.33	0.1611	0.1607	0.1589
10	64QAM	1	25	21.41	21.56	21.59	0.1618	0.1675	0.1687
10	64QAM	1	49	21.31	21.39	21.40	0.1581	0.1611	0.1614
10	64QAM	25	0	20.30	20.43	20.42	0.1253	0.1291	0.1288
10	64QAM	25	12	20.42	20.35	20.38	0.1288	0.1268	0.1276
10	64QAM	25	25	20.22	20.26	20.12	0.1230	0.1242	0.1202
10	64QAM	50	0	20.28	20.43	20.33	0.1247	0.1291	0.1262
Channel				18625	18900	19175	EIRP(W)		
Frequency (MHz)				1852.5	1880	1907.5	L	M	H
5	QPSK	1	0	23.23	23.26	23.29	0.2460	0.2477	0.2495
5	QPSK	1	12	23.43	23.40	23.43	0.2576	0.2559	0.2576
5	QPSK	1	24	23.20	23.25	23.29	0.2443	0.2472	0.2495
5	QPSK	12	0	22.42	22.38	22.43	0.2042	0.2023	0.2046
5	QPSK	12	7	22.38	22.45	22.36	0.2023	0.2056	0.2014
5	QPSK	12	13	22.29	22.30	22.21	0.1982	0.1986	0.1945
5	QPSK	25	0	22.31	22.37	22.29	0.1991	0.2018	0.1982
5	16QAM	1	0	22.51	22.57	22.45	0.2084	0.2113	0.2056



5	16QAM	1	12	22.59	22.54	22.56	0.2123	0.2099	0.2109
5	16QAM	1	24	22.38	22.40	22.48	0.2023	0.2032	0.2070
5	16QAM	12	0	21.31	21.39	21.45	0.1581	0.1611	0.1633
5	16QAM	12	7	21.42	21.45	21.45	0.1622	0.1633	0.1633
5	16QAM	12	13	21.27	21.31	21.23	0.1567	0.1581	0.1552
5	16QAM	25	0	21.35	21.33	21.31	0.1596	0.1589	0.1581
5	64QAM	1	0	21.46	21.36	21.32	0.1637	0.1600	0.1585
5	64QAM	1	12	21.43	21.54	21.58	0.1626	0.1667	0.1683
5	64QAM	1	24	21.25	21.40	21.40	0.1560	0.1614	0.1614
5	64QAM	12	0	20.31	20.42	20.41	0.1256	0.1288	0.1285
5	64QAM	12	7	20.33	20.35	20.33	0.1262	0.1268	0.1262
5	64QAM	12	13	20.26	20.30	20.26	0.1242	0.1253	0.1242
5	64QAM	25	0	20.35	20.34	20.23	0.1268	0.1265	0.1233
Channel				18615	18900	19185	EIRP(W)		
Frequency (MHz)				1851.5	1880	1908.5	L	M	H
3	QPSK	1	0	23.27	23.27	23.25	0.2483	0.2483	0.2472
3	QPSK	1	8	23.40	23.47	23.44	0.2559	0.2600	0.2582
3	QPSK	1	14	23.23	23.16	23.20	0.2460	0.2421	0.2443
3	QPSK	8	0	22.47	22.45	22.39	0.2065	0.2056	0.2028
3	QPSK	8	4	22.37	22.49	22.36	0.2018	0.2075	0.2014
3	QPSK	8	7	22.38	22.30	22.18	0.2023	0.1986	0.1932
3	QPSK	15	0	22.31	22.30	22.30	0.1991	0.1986	0.1986
3	16QAM	1	0	22.47	22.57	22.47	0.2065	0.2113	0.2065
3	16QAM	1	8	22.61	22.59	22.60	0.2133	0.2123	0.2128
3	16QAM	1	14	22.34	22.54	22.43	0.2004	0.2099	0.2046
3	16QAM	8	0	21.30	21.42	21.36	0.1578	0.1622	0.1600
3	16QAM	8	4	21.43	21.37	21.45	0.1626	0.1603	0.1633
3	16QAM	8	7	21.28	21.22	21.15	0.1570	0.1549	0.1524
3	16QAM	15	0	21.32	21.33	21.38	0.1585	0.1589	0.1607
3	64QAM	1	0	21.51	21.32	21.38	0.1656	0.1585	0.1607
3	64QAM	1	8	21.54	21.46	21.46	0.1667	0.1637	0.1637
3	64QAM	1	14	21.28	21.39	21.45	0.1570	0.1611	0.1633
3	64QAM	8	0	20.35	20.45	20.36	0.1268	0.1297	0.1271
3	64QAM	8	4	20.31	20.34	20.32	0.1256	0.1265	0.1259
3	64QAM	8	7	20.25	20.36	20.19	0.1239	0.1271	0.1222
3	64QAM	15	0	20.32	20.41	20.33	0.1259	0.1285	0.1262
Channel				18607	18900	19193	EIRP(W)		
Frequency (MHz)				1850.7	1880	1909.3	L	M	H
1.4	QPSK	1	0	23.45	23.49	23.49	0.2588	0.2612	0.2612
1.4	QPSK	1	3	23.44	23.41	23.49	0.2582	0.2564	0.2612
1.4	QPSK	1	5	23.40	23.46	23.49	0.2559	0.2594	0.2612
1.4	QPSK	3	0	23.43	23.46	23.49	0.2576	0.2594	0.2612
1.4	QPSK	3	1	23.44	23.46	23.42	0.2582	0.2594	0.2570
1.4	QPSK	3	3	23.44	23.46	23.45	0.2582	0.2594	0.2588
1.4	QPSK	6	0	22.45	22.47	22.54	0.2056	0.2065	0.2099
1.4	16QAM	1	0	22.65	22.70	22.64	0.2153	0.2178	0.2148
1.4	16QAM	1	3	22.71	22.69	22.73	0.2183	0.2173	0.2193



1.4	16QAM	1	5	22.65	22.70	22.66	0.2153	0.2178	0.2158
1.4	16QAM	3	0	22.45	22.47	22.54	0.2056	0.2065	0.2099
1.4	16QAM	3	1	22.45	22.47	22.53	0.2056	0.2065	0.2094
1.4	16QAM	3	3	22.43	22.45	22.50	0.2046	0.2056	0.2080
1.4	16QAM	6	0	21.49	21.53	21.56	0.1648	0.1663	0.1675
1.4	64QAM	1	0	21.59	21.63	21.62	0.1687	0.1702	0.1698
1.4	64QAM	1	3	21.57	21.67	21.65	0.1679	0.1718	0.1710
1.4	64QAM	1	5	21.51	21.62	21.58	0.1656	0.1698	0.1683
1.4	64QAM	3	0	21.51	21.57	21.58	0.1656	0.1679	0.1683
1.4	64QAM	3	1	21.54	21.57	21.59	0.1667	0.1679	0.1687
1.4	64QAM	3	3	21.51	21.54	21.60	0.1656	0.1667	0.1690
1.4	64QAM	6	0	20.40	20.41	20.50	0.1282	0.1285	0.1312

LTE Band 4_ANT3:

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	23.22	23.27	23.32	0.2183	0.2208	0.2234
20	QPSK	1	49	23.34	23.41	23.37	0.2244	0.2280	0.2259
20	QPSK	1	99	23.18	23.13	23.15	0.2163	0.2138	0.2148
20	QPSK	50	0	22.37	22.39	22.35	0.1795	0.1803	0.1786
20	QPSK	50	24	22.33	22.38	22.31	0.1778	0.1799	0.1770
20	QPSK	50	50	22.28	22.31	22.32	0.1758	0.1770	0.1774
20	QPSK	100	0	22.28	22.37	22.35	0.1758	0.1795	0.1786
20	16QAM	1	0	22.45	22.50	22.57	0.1828	0.1849	0.1879
20	16QAM	1	49	22.54	22.62	22.58	0.1866	0.1901	0.1884
20	16QAM	1	99	22.42	22.40	22.38	0.1816	0.1807	0.1799
20	16QAM	50	0	21.31	21.40	21.36	0.1406	0.1435	0.1422
20	16QAM	50	24	21.30	21.39	21.35	0.1403	0.1432	0.1419
20	16QAM	50	50	21.27	21.30	21.31	0.1393	0.1403	0.1406
20	16QAM	100	0	21.24	21.32	21.34	0.1384	0.1409	0.1416
20	64QAM	1	0	21.39	21.34	21.50	0.1432	0.1416	0.1469
20	64QAM	1	49	21.49	21.49	21.48	0.1466	0.1466	0.1462
20	64QAM	1	99	21.36	21.31	21.21	0.1422	0.1406	0.1374
20	64QAM	50	0	20.33	20.39	20.37	0.1122	0.1138	0.1132
20	64QAM	50	24	20.32	20.36	20.34	0.1119	0.1130	0.1125
20	64QAM	50	50	20.24	20.28	20.30	0.1099	0.1109	0.1114
20	64QAM	100	0	20.26	20.31	20.32	0.1104	0.1117	0.1119
Channel				20025	20175	20325	EIRP(W)		
Frequency (MHz)				1717.5	1732.5	1747.5	L	M	H
15	QPSK	1	0	23.12	23.17	23.26	0.2133	0.2158	0.2203
15	QPSK	1	37	23.28	23.30	23.26	0.2213	0.2223	0.2203
15	QPSK	1	74	23.15	22.98	23.03	0.2148	0.2065	0.2089
15	QPSK	36	0	22.32	22.37	22.24	0.1774	0.1795	0.1742



15	QPSK	36	20	22.31	22.34	22.17	0.1770	0.1782	0.1714
15	QPSK	36	39	22.18	22.19	22.29	0.1718	0.1722	0.1762
15	QPSK	75	0	22.21	22.35	22.31	0.1730	0.1786	0.1770
15	16QAM	1	0	22.33	22.36	22.45	0.1778	0.1791	0.1828
15	16QAM	1	37	22.51	22.56	22.57	0.1854	0.1875	0.1879
15	16QAM	1	74	22.27	22.35	22.27	0.1754	0.1786	0.1754
15	16QAM	36	0	21.22	21.37	21.31	0.1377	0.1426	0.1406
15	16QAM	36	20	21.16	21.31	21.30	0.1358	0.1406	0.1403
15	16QAM	36	39	21.19	21.18	21.20	0.1368	0.1365	0.1371
15	16QAM	75	0	21.12	21.24	21.22	0.1346	0.1384	0.1377
15	64QAM	1	0	21.24	21.22	21.36	0.1384	0.1377	0.1422
15	64QAM	1	37	21.40	21.41	21.36	0.1435	0.1439	0.1422
15	64QAM	1	74	21.24	21.26	21.19	0.1384	0.1390	0.1368
15	64QAM	36	0	20.31	20.26	20.24	0.1117	0.1104	0.1099
15	64QAM	36	20	20.28	20.29	20.27	0.1109	0.1112	0.1107
15	64QAM	36	39	20.22	20.14	20.24	0.1094	0.1074	0.1099
15	64QAM	75	0	20.14	20.27	20.26	0.1074	0.1107	0.1104
Channel				20000	20175	20350	EIRP(W)		
Frequency (MHz)				1715	1732.5	1750	L	M	H
10	QPSK	1	0	23.18	23.12	23.26	0.2163	0.2133	0.2203
10	QPSK	1	25	23.19	23.37	23.25	0.2168	0.2259	0.2198
10	QPSK	1	49	23.14	23.09	23.06	0.2143	0.2118	0.2104
10	QPSK	25	0	22.22	22.27	22.32	0.1734	0.1754	0.1774
10	QPSK	25	12	22.22	22.27	22.16	0.1734	0.1754	0.1710
10	QPSK	25	25	22.24	22.25	22.21	0.1742	0.1746	0.1730
10	QPSK	50	0	22.21	22.29	22.34	0.1730	0.1762	0.1782
10	16QAM	1	0	22.43	22.39	22.47	0.1820	0.1803	0.1837
10	16QAM	1	25	22.50	22.49	22.46	0.1849	0.1845	0.1832
10	16QAM	1	49	22.28	22.29	22.34	0.1758	0.1762	0.1782
10	16QAM	25	0	21.17	21.28	21.25	0.1361	0.1396	0.1387
10	16QAM	25	12	21.27	21.36	21.31	0.1393	0.1422	0.1406
10	16QAM	25	25	21.15	21.18	21.23	0.1355	0.1365	0.1380
10	16QAM	50	0	21.23	21.19	21.22	0.1380	0.1368	0.1377
10	64QAM	1	0	21.27	21.26	21.35	0.1393	0.1390	0.1419
10	64QAM	1	25	21.43	21.40	21.47	0.1445	0.1435	0.1459
10	64QAM	1	49	21.31	21.20	21.19	0.1406	0.1371	0.1368
10	64QAM	25	0	20.19	20.27	20.33	0.1086	0.1107	0.1122
10	64QAM	25	12	20.22	20.34	20.33	0.1094	0.1125	0.1122
10	64QAM	25	25	20.22	20.13	20.25	0.1094	0.1072	0.1102
10	64QAM	50	0	20.16	20.22	20.28	0.1079	0.1094	0.1109
Channel				19975	20175	20375	EIRP(W)		
Frequency (MHz)				1712.5	1732.5	1752.5	L	M	H
5	QPSK	1	0	23.13	23.26	23.19	0.2138	0.2203	0.2168
5	QPSK	1	12	23.27	23.26	23.27	0.2208	0.2203	0.2208
5	QPSK	1	24	23.03	23.05	23.13	0.2089	0.2099	0.2138
5	QPSK	12	0	22.31	22.38	22.22	0.1770	0.1799	0.1734
5	QPSK	12	7	22.18	22.26	22.26	0.1718	0.1750	0.1750



5	QPSK	12	13	22.13	22.17	22.27	0.1698	0.1714	0.1754
5	QPSK	25	0	22.22	22.26	22.32	0.1734	0.1750	0.1774
5	16QAM	1	0	22.41	22.37	22.49	0.1811	0.1795	0.1845
5	16QAM	1	12	22.51	22.56	22.51	0.1854	0.1875	0.1854
5	16QAM	1	24	22.32	22.31	22.29	0.1774	0.1770	0.1762
5	16QAM	12	0	21.27	21.29	21.23	0.1393	0.1400	0.1380
5	16QAM	12	7	21.27	21.30	21.29	0.1393	0.1403	0.1400
5	16QAM	12	13	21.25	21.17	21.17	0.1387	0.1361	0.1361
5	16QAM	25	0	21.17	21.22	21.27	0.1361	0.1377	0.1393
5	64QAM	1	0	21.24	21.20	21.43	0.1384	0.1371	0.1445
5	64QAM	1	12	21.35	21.38	21.42	0.1419	0.1429	0.1442
5	64QAM	1	24	21.33	21.22	21.11	0.1413	0.1377	0.1343
5	64QAM	12	0	20.25	20.28	20.31	0.1102	0.1109	0.1117
5	64QAM	12	7	20.28	20.28	20.25	0.1109	0.1109	0.1102
5	64QAM	12	13	20.20	20.15	20.28	0.1089	0.1076	0.1109
5	64QAM	25	0	20.15	20.29	20.25	0.1076	0.1112	0.1102
Channel				19965	20175	20385	EIRP(W)		
Frequency (MHz)				1711.5	1732.5	1753.5	L	M	H
3	QPSK	1	0	23.08	23.17	23.31	0.2113	0.2158	0.2228
3	QPSK	1	8	23.28	23.36	23.33	0.2213	0.2254	0.2239
3	QPSK	1	14	23.07	23.06	23.09	0.2109	0.2104	0.2118
3	QPSK	8	0	22.31	22.31	22.25	0.1770	0.1770	0.1746
3	QPSK	8	4	22.18	22.35	22.16	0.1718	0.1786	0.1710
3	QPSK	8	7	22.15	22.23	22.23	0.1706	0.1738	0.1738
3	QPSK	15	0	22.16	22.31	22.28	0.1710	0.1770	0.1758
3	16QAM	1	0	22.30	22.46	22.51	0.1766	0.1832	0.1854
3	16QAM	1	8	22.45	22.58	22.45	0.1828	0.1884	0.1828
3	16QAM	1	14	22.41	22.25	22.34	0.1811	0.1746	0.1782
3	16QAM	8	0	21.23	21.30	21.26	0.1380	0.1403	0.1390
3	16QAM	8	4	21.15	21.37	21.23	0.1355	0.1426	0.1380
3	16QAM	8	7	21.23	21.18	21.24	0.1380	0.1365	0.1384
3	16QAM	15	0	21.22	21.20	21.29	0.1377	0.1371	0.1400
3	64QAM	1	0	21.35	21.33	21.49	0.1419	0.1413	0.1466
3	64QAM	1	8	21.37	21.46	21.39	0.1426	0.1455	0.1432
3	64QAM	1	14	21.34	21.21	21.07	0.1416	0.1374	0.1330
3	64QAM	8	0	20.32	20.34	20.24	0.1119	0.1125	0.1099
3	64QAM	8	4	20.29	20.21	20.24	0.1112	0.1091	0.1099
3	64QAM	8	7	20.20	20.27	20.19	0.1089	0.1107	0.1086
3	64QAM	15	0	20.22	20.30	20.23	0.1094	0.1114	0.1096
Channel				19950	20175	20393	EIRP(W)		
Frequency (MHz)				1710	1732.5	1754.3	L	M	H
1.4	QPSK	1	0	23.30	23.36	23.35	0.2223	0.2254	0.2249
1.4	QPSK	1	3	23.32	23.33	23.38	0.2234	0.2239	0.2265
1.4	QPSK	1	5	23.30	23.39	23.37	0.2223	0.2270	0.2259
1.4	QPSK	3	0	23.32	23.38	23.28	0.2234	0.2265	0.2213
1.4	QPSK	3	1	23.30	23.35	23.32	0.2223	0.2249	0.2234
1.4	QPSK	3	3	23.33	23.38	23.39	0.2239	0.2265	0.2270



1.4	QPSK	6	0	22.33	22.42	22.40	0.1778	0.1816	0.1807
1.4	16QAM	1	0	22.52	22.62	22.59	0.1858	0.1901	0.1888
1.4	16QAM	1	3	22.55	22.67	22.63	0.1871	0.1923	0.1905
1.4	16QAM	1	5	22.52	22.61	22.59	0.1858	0.1897	0.1888
1.4	16QAM	3	0	22.35	22.44	22.42	0.1786	0.1824	0.1816
1.4	16QAM	3	1	22.32	22.41	22.42	0.1774	0.1811	0.1816
1.4	16QAM	3	3	22.31	22.38	22.38	0.1770	0.1799	0.1799
1.4	16QAM	6	0	21.41	21.47	21.45	0.1439	0.1459	0.1452
1.4	64QAM	1	0	21.45	21.55	21.55	0.1452	0.1486	0.1486
1.4	64QAM	1	3	21.46	21.60	21.53	0.1455	0.1503	0.1479
1.4	64QAM	1	5	21.44	21.49	21.49	0.1449	0.1466	0.1466
1.4	64QAM	3	0	21.41	21.52	21.45	0.1439	0.1476	0.1452
1.4	64QAM	3	1	21.44	21.51	21.48	0.1449	0.1472	0.1462
1.4	64QAM	3	3	21.42	21.47	21.48	0.1442	0.1459	0.1462
1.4	64QAM	6	0	20.28	20.36	20.36	0.1109	0.1130	0.1130

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			
Frequency (MHz)				1860	1880	1905	L	M	H
20	QPSK	1	0	23.25	23.29	23.27	0.2559	0.2582	0.2570
20	QPSK	1	49	23.39	23.46	23.40	0.2642	0.2685	0.2649
20	QPSK	1	99	23.20	23.28	23.27	0.2529	0.2576	0.2570
20	QPSK	50	0	22.37	22.44	22.42	0.2089	0.2123	0.2113
20	QPSK	50	24	22.37	22.40	22.38	0.2089	0.2104	0.2094
20	QPSK	50	50	22.32	22.35	22.32	0.2065	0.2080	0.2065
20	QPSK	100	0	22.36	22.39	22.31	0.2084	0.2099	0.2061
20	16QAM	1	0	22.55	22.57	22.49	0.2178	0.2188	0.2148
20	16QAM	1	49	22.69	22.64	22.56	0.2249	0.2223	0.2183
20	16QAM	1	99	22.40	22.47	22.37	0.2104	0.2138	0.2089
20	16QAM	50	0	21.40	21.44	21.43	0.1671	0.1687	0.1683
20	16QAM	50	24	21.39	21.46	21.47	0.1667	0.1694	0.1698
20	16QAM	50	50	21.37	21.33	21.32	0.1660	0.1644	0.1641
20	16QAM	100	0	21.39	21.30	21.34	0.1667	0.1633	0.1648
20	64QAM	1	0	21.32	21.46	21.46	0.1641	0.1694	0.1694
20	64QAM	1	49	21.52	21.47	21.64	0.1718	0.1698	0.1766
20	64QAM	1	99	21.25	21.33	21.40	0.1614	0.1644	0.1671
20	64QAM	50	0	20.30	20.43	20.44	0.1297	0.1337	0.1340
20	64QAM	50	24	20.43	20.37	20.42	0.1337	0.1318	0.1334
20	64QAM	50	50	20.38	20.30	20.31	0.1321	0.1297	0.1300
20	64QAM	100	0	20.31	20.38	20.29	0.1300	0.1321	0.1294
Channel				26115	26340	26615	EIRP(W)		
Frequency (MHz)				1857.5	1880	1907.5	L	M	H
15	QPSK	1	0	23.20	23.25	23.18	0.2529	0.2559	0.2518



15	QPSK	1	37	23.33	23.38	23.36	0.2606	0.2636	0.2624
15	QPSK	1	74	23.12	23.27	23.17	0.2483	0.2570	0.2512
15	QPSK	36	0	22.28	22.40	22.40	0.2046	0.2104	0.2104
15	QPSK	36	20	22.34	22.32	22.38	0.2075	0.2065	0.2094
15	QPSK	36	39	22.28	22.32	22.30	0.2046	0.2065	0.2056
15	QPSK	75	0	22.30	22.35	22.28	0.2056	0.2080	0.2046
15	16QAM	1	0	22.51	22.51	22.47	0.2158	0.2158	0.2138
15	16QAM	1	37	22.60	22.57	22.52	0.2203	0.2188	0.2163
15	16QAM	1	74	22.34	22.39	22.29	0.2075	0.2099	0.2051
15	16QAM	36	0	21.33	21.40	21.42	0.1644	0.1671	0.1679
15	16QAM	36	20	21.29	21.38	21.46	0.1629	0.1663	0.1694
15	16QAM	36	39	21.28	21.29	21.26	0.1626	0.1629	0.1618
15	16QAM	75	0	21.29	21.24	21.25	0.1629	0.1611	0.1614
15	64QAM	1	0	21.31	21.44	21.42	0.1637	0.1687	0.1679
15	64QAM	1	37	21.46	21.43	21.63	0.1694	0.1683	0.1762
15	64QAM	1	74	21.21	21.24	21.30	0.1600	0.1611	0.1633
15	64QAM	36	0	20.24	20.33	20.34	0.1279	0.1306	0.1309
15	64QAM	36	20	20.35	20.30	20.36	0.1312	0.1297	0.1315
15	64QAM	36	39	20.33	20.26	20.24	0.1306	0.1285	0.1279
15	64QAM	75	0	20.27	20.29	20.26	0.1288	0.1294	0.1285
Channel				26090	26340	26640	EIRP(W)		
Frequency (MHz)				1855	1880	1910	L	M	H
10	QPSK	1	0	23.20	23.23	23.23	0.2529	0.2547	0.2547
10	QPSK	1	25	23.32	23.44	23.39	0.2600	0.2673	0.2642
10	QPSK	1	49	23.19	23.21	23.18	0.2523	0.2535	0.2518
10	QPSK	25	0	22.31	22.41	22.34	0.2061	0.2109	0.2075
10	QPSK	25	12	22.31	22.30	22.37	0.2061	0.2056	0.2089
10	QPSK	25	25	22.30	22.29	22.25	0.2056	0.2051	0.2032
10	QPSK	50	0	22.35	22.33	22.25	0.2080	0.2070	0.2032
10	16QAM	1	0	22.50	22.51	22.40	0.2153	0.2158	0.2104
10	16QAM	1	25	22.65	22.59	22.55	0.2228	0.2198	0.2178
10	16QAM	1	49	22.38	22.40	22.30	0.2094	0.2104	0.2056
10	16QAM	25	0	21.39	21.37	21.34	0.1667	0.1660	0.1648
10	16QAM	25	12	21.38	21.42	21.42	0.1663	0.1679	0.1679
10	16QAM	25	25	21.31	21.24	21.25	0.1637	0.1611	0.1614
10	16QAM	50	0	21.35	21.20	21.24	0.1652	0.1596	0.1611
10	64QAM	1	0	21.28	21.41	21.39	0.1626	0.1675	0.1667
10	64QAM	1	25	21.49	21.43	21.57	0.1706	0.1683	0.1738
10	64QAM	1	49	21.23	21.31	21.38	0.1607	0.1637	0.1663
10	64QAM	25	0	20.28	20.39	20.43	0.1291	0.1324	0.1337
10	64QAM	25	12	20.35	20.27	20.33	0.1312	0.1288	0.1306
10	64QAM	25	25	20.31	20.28	20.23	0.1300	0.1291	0.1276
10	64QAM	50	0	20.29	20.34	20.25	0.1294	0.1309	0.1282
Channel				26065	26340	26665	EIRP(W)		
Frequency (MHz)				1852.5	1880	1912.5	L	M	H
5	QPSK	1	0	23.24	23.21	23.26	0.2553	0.2535	0.2564
5	QPSK	1	12	23.29	23.39	23.36	0.2582	0.2642	0.2624



5	QPSK	1	24	23.12	23.19	23.25	0.2483	0.2523	0.2559
5	QPSK	12	0	22.32	22.34	22.42	0.2065	0.2075	0.2113
5	QPSK	12	7	22.28	22.32	22.39	0.2046	0.2065	0.2099
5	QPSK	12	13	22.27	22.31	22.25	0.2042	0.2061	0.2032
5	QPSK	25	0	22.32	22.31	22.22	0.2065	0.2061	0.2018
5	16QAM	1	0	22.46	22.54	22.44	0.2133	0.2173	0.2123
5	16QAM	1	12	22.61	22.60	22.50	0.2208	0.2203	0.2153
5	16QAM	1	24	22.39	22.43	22.27	0.2099	0.2118	0.2042
5	16QAM	12	0	21.36	21.38	21.36	0.1656	0.1663	0.1656
5	16QAM	12	7	21.38	21.41	21.42	0.1663	0.1675	0.1679
5	16QAM	12	13	21.32	21.26	21.24	0.1641	0.1618	0.1611
5	16QAM	25	0	21.33	21.29	21.32	0.1644	0.1629	0.1641
5	64QAM	1	0	21.23	21.40	21.38	0.1607	0.1671	0.1663
5	64QAM	1	12	21.42	21.44	21.55	0.1679	0.1687	0.1730
5	64QAM	1	24	21.16	21.31	21.32	0.1581	0.1637	0.1641
5	64QAM	12	0	20.23	20.34	20.39	0.1276	0.1309	0.1324
5	64QAM	12	7	20.41	20.33	20.39	0.1330	0.1306	0.1324
5	64QAM	12	13	20.37	20.23	20.28	0.1318	0.1276	0.1291
5	64QAM	25	0	20.26	20.36	20.22	0.1285	0.1315	0.1274
Channel				26055	26340	26675	EIRP(W)		
Frequency (MHz)				1851.5	1880	1913.5	L	M	H
3	QPSK	1	0	23.21	23.26	23.20	0.2535	0.2564	0.2529
3	QPSK	1	8	23.34	23.42	23.31	0.2612	0.2661	0.2594
3	QPSK	1	14	23.15	23.20	23.26	0.2500	0.2529	0.2564
3	QPSK	8	0	22.36	22.36	22.34	0.2084	0.2084	0.2075
3	QPSK	8	4	22.32	22.35	22.39	0.2065	0.2080	0.2099
3	QPSK	8	7	22.29	22.30	22.24	0.2051	0.2056	0.2028
3	QPSK	15	0	22.32	22.29	22.26	0.2065	0.2051	0.2037
3	16QAM	1	0	22.52	22.55	22.39	0.2163	0.2178	0.2099
3	16QAM	1	8	22.60	22.57	22.50	0.2203	0.2188	0.2153
3	16QAM	1	14	22.37	22.38	22.36	0.2089	0.2094	0.2084
3	16QAM	8	0	21.32	21.43	21.39	0.1641	0.1683	0.1667
3	16QAM	8	4	21.29	21.40	21.38	0.1629	0.1671	0.1663
3	16QAM	8	7	21.28	21.32	21.28	0.1626	0.1641	0.1626
3	16QAM	15	0	21.34	21.21	21.32	0.1648	0.1600	0.1641
3	64QAM	1	0	21.29	21.41	21.36	0.1629	0.1675	0.1656
3	64QAM	1	8	21.51	21.42	21.57	0.1714	0.1679	0.1738
3	64QAM	1	14	21.18	21.23	21.39	0.1589	0.1607	0.1667
3	64QAM	8	0	20.22	20.39	20.42	0.1274	0.1324	0.1334
3	64QAM	8	4	20.40	20.33	20.40	0.1327	0.1306	0.1327
3	64QAM	8	7	20.29	20.25	20.28	0.1294	0.1282	0.1291
3	64QAM	15	0	20.21	20.36	20.27	0.1271	0.1315	0.1288
Channel				26047	26340	26683	EIRP(W)		
Frequency (MHz)				1850.7	1880	1914.3	L	M	H
1.4	QPSK	1	0	23.24	23.21	23.20	0.2553	0.2535	0.2529
1.4	QPSK	1	3	23.38	23.40	23.31	0.2636	0.2649	0.2594
1.4	QPSK	1	5	23.19	23.22	23.21	0.2523	0.2541	0.2535



1.4	QPSK	3	0	23.23	23.14	23.18	0.2547	0.2495	0.2518
1.4	QPSK	3	1	23.32	23.35	23.30	0.2600	0.2618	0.2588
1.4	QPSK	3	3	23.10	23.16	23.20	0.2472	0.2506	0.2529
1.4	QPSK	6	0	22.33	22.36	22.26	0.2070	0.2084	0.2037
1.4	16QAM	1	0	22.50	22.52	22.46	0.2153	0.2163	0.2133
1.4	16QAM	1	3	22.67	22.54	22.54	0.2239	0.2173	0.2173
1.4	16QAM	1	5	22.30	22.40	22.28	0.2056	0.2104	0.2046
1.4	16QAM	3	0	22.47	22.48	22.41	0.2138	0.2143	0.2109
1.4	16QAM	3	1	22.65	22.45	22.51	0.2228	0.2128	0.2158
1.4	16QAM	3	3	22.24	22.38	22.21	0.2028	0.2094	0.2014
1.4	16QAM	6	0	21.29	21.28	21.31	0.1629	0.1626	0.1637
1.4	64QAM	1	0	21.27	21.44	21.39	0.1622	0.1687	0.1667
1.4	64QAM	1	3	21.49	21.43	21.61	0.1706	0.1683	0.1754
1.4	64QAM	1	5	21.22	21.23	21.35	0.1603	0.1607	0.1652
1.4	64QAM	3	0	21.19	21.36	21.29	0.1592	0.1656	0.1629
1.4	64QAM	3	1	21.40	21.39	21.52	0.1671	0.1667	0.1718
1.4	64QAM	3	3	21.19	21.20	21.28	0.1592	0.1596	0.1626
1.4	64QAM	6	0	20.26	20.32	20.25	0.1285	0.1303	0.1282

LTE Band 66_ANT3:

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	23.22	23.24	23.29	0.2183	0.2193	0.2218
20	QPSK	1	49	23.45	23.50	23.42	0.2301	0.2328	0.2286
20	QPSK	1	99	23.12	23.17	23.19	0.2133	0.2158	0.2168
20	QPSK	50	0	22.39	22.50	22.46	0.1803	0.1849	0.1832
20	QPSK	50	24	22.35	22.40	22.39	0.1786	0.1807	0.1803
20	QPSK	50	50	22.25	22.36	22.28	0.1746	0.1791	0.1758
20	QPSK	100	0	22.27	22.37	22.36	0.1754	0.1795	0.1791
20	16QAM	1	0	22.44	22.49	22.46	0.1824	0.1845	0.1832
20	16QAM	1	49	22.55	22.63	22.61	0.1871	0.1905	0.1897
20	16QAM	1	99	22.43	22.37	22.44	0.1820	0.1795	0.1824
20	16QAM	50	0	21.31	21.41	21.46	0.1406	0.1439	0.1455
20	16QAM	50	24	21.32	21.39	21.41	0.1409	0.1432	0.1439
20	16QAM	50	50	21.25	21.34	21.30	0.1387	0.1416	0.1403
20	16QAM	100	0	21.27	21.37	21.36	0.1393	0.1426	0.1422
20	64QAM	1	0	21.26	21.32	21.44	0.1390	0.1409	0.1449
20	64QAM	1	49	21.48	21.53	21.58	0.1462	0.1479	0.1496
20	64QAM	1	99	21.30	21.31	21.34	0.1403	0.1406	0.1416
20	64QAM	50	0	20.26	20.39	20.44	0.1104	0.1138	0.1151
20	64QAM	50	24	20.31	20.36	20.37	0.1117	0.1130	0.1132
20	64QAM	50	50	20.25	20.33	20.29	0.1102	0.1122	0.1112
20	64QAM	100	0	20.26	20.34	20.36	0.1104	0.1125	0.1130



Channel				132047	132322	132597	EIRP(W)		
Frequency (MHz)				1717.5	1745	1772.5	L	M	H
15	QPSK	1	0	23.20	23.19	23.27	0.2173	0.2168	0.2208
15	QPSK	1	37	23.36	23.44	23.38	0.2254	0.2296	0.2265
15	QPSK	1	74	23.10	23.16	23.06	0.2123	0.2153	0.2104
15	QPSK	36	0	22.38	22.48	22.36	0.1799	0.1841	0.1791
15	QPSK	36	20	22.29	22.37	22.36	0.1762	0.1795	0.1791
15	QPSK	36	39	22.19	22.21	22.25	0.1722	0.1730	0.1746
15	QPSK	75	0	22.26	22.34	22.31	0.1750	0.1782	0.1770
15	16QAM	1	0	22.40	22.36	22.32	0.1807	0.1791	0.1774
15	16QAM	1	37	22.41	22.50	22.49	0.1811	0.1849	0.1845
15	16QAM	1	74	22.38	22.24	22.38	0.1799	0.1742	0.1799
15	16QAM	36	0	21.29	21.31	21.33	0.1400	0.1406	0.1413
15	16QAM	36	20	21.20	21.24	21.37	0.1371	0.1384	0.1426
15	16QAM	36	39	21.17	21.27	21.20	0.1361	0.1393	0.1371
15	16QAM	75	0	21.21	21.34	21.31	0.1374	0.1416	0.1406
15	64QAM	1	0	21.13	21.21	21.37	0.1349	0.1374	0.1426
15	64QAM	1	37	21.36	21.43	21.47	0.1422	0.1445	0.1459
15	64QAM	1	74	21.23	21.29	21.32	0.1380	0.1400	0.1409
15	64QAM	36	0	20.22	20.28	20.33	0.1094	0.1109	0.1122
15	64QAM	36	20	20.27	20.29	20.33	0.1107	0.1112	0.1122
15	64QAM	36	39	20.24	20.19	20.25	0.1099	0.1086	0.1102
15	64QAM	75	0	20.21	20.28	20.33	0.1091	0.1109	0.1122
Channel				132022	132322	132622	EIRP(W)		
Frequency (MHz)				1715	1745	1775	L	M	H
10	QPSK	1	0	23.11	23.17	23.26	0.2128	0.2158	0.2203
10	QPSK	1	25	23.36	23.38	23.28	0.2254	0.2265	0.2213
10	QPSK	1	49	23.03	23.06	23.08	0.2089	0.2104	0.2113
10	QPSK	25	0	22.38	22.39	22.33	0.1799	0.1803	0.1778
10	QPSK	25	12	22.31	22.35	22.27	0.1770	0.1786	0.1754
10	QPSK	25	25	22.15	22.24	22.14	0.1706	0.1742	0.1702
10	QPSK	50	0	22.20	22.36	22.32	0.1726	0.1791	0.1774
10	16QAM	1	0	22.39	22.34	22.40	0.1803	0.1782	0.1807
10	16QAM	1	25	22.47	22.51	22.56	0.1837	0.1854	0.1875
10	16QAM	1	49	22.30	22.34	22.35	0.1766	0.1782	0.1786
10	16QAM	25	0	21.27	21.27	21.43	0.1393	0.1393	0.1445
10	16QAM	25	12	21.18	21.25	21.27	0.1365	0.1387	0.1393
10	16QAM	25	25	21.23	21.27	21.25	0.1380	0.1393	0.1387
10	16QAM	50	0	21.15	21.23	21.27	0.1355	0.1380	0.1393
10	64QAM	1	0	21.15	21.31	21.33	0.1355	0.1406	0.1413
10	64QAM	1	25	21.47	21.51	21.50	0.1459	0.1472	0.1469
10	64QAM	1	49	21.23	21.29	21.25	0.1380	0.1400	0.1387
10	64QAM	25	0	20.21	20.34	20.33	0.1091	0.1125	0.1122
10	64QAM	25	12	20.18	20.30	20.24	0.1084	0.1114	0.1099
10	64QAM	25	25	20.18	20.21	20.23	0.1084	0.1091	0.1096
10	64QAM	50	0	20.21	20.33	20.32	0.1091	0.1122	0.1119
Channel				131997	132322	132647	EIRP(W)		



Frequency (MHz)				1712.5	1745	1777.5	L	M	H
5	QPSK	1	0	23.10	23.11	23.20	0.2123	0.2128	0.2173
5	QPSK	1	12	23.40	23.39	23.35	0.2275	0.2270	0.2249
5	QPSK	1	24	23.03	23.12	23.10	0.2089	0.2133	0.2123
5	QPSK	12	0	22.27	22.48	22.32	0.1754	0.1841	0.1774
5	QPSK	12	7	22.24	22.27	22.28	0.1742	0.1754	0.1758
5	QPSK	12	13	22.10	22.21	22.19	0.1687	0.1730	0.1722
5	QPSK	25	0	22.16	22.26	22.31	0.1710	0.1750	0.1770
5	16QAM	1	0	22.30	22.41	22.35	0.1766	0.1811	0.1786
5	16QAM	1	12	22.41	22.52	22.59	0.1811	0.1858	0.1888
5	16QAM	1	24	22.29	22.22	22.42	0.1762	0.1734	0.1816
5	16QAM	12	0	21.28	21.30	21.45	0.1396	0.1403	0.1452
5	16QAM	12	7	21.17	21.37	21.29	0.1361	0.1426	0.1400
5	16QAM	12	13	21.19	21.32	21.25	0.1368	0.1409	0.1387
5	16QAM	25	0	21.13	21.34	21.27	0.1349	0.1416	0.1393
5	64QAM	1	0	21.24	21.29	21.37	0.1384	0.1400	0.1426
5	64QAM	1	12	21.36	21.48	21.47	0.1422	0.1462	0.1459
5	64QAM	1	24	21.17	21.19	21.22	0.1361	0.1368	0.1377
5	64QAM	12	0	20.16	20.33	20.43	0.1079	0.1122	0.1148
5	64QAM	12	7	20.17	20.26	20.22	0.1081	0.1104	0.1094
5	64QAM	12	13	20.18	20.30	20.14	0.1084	0.1114	0.1074
5	64QAM	25	0	20.15	20.26	20.34	0.1076	0.1104	0.1125
Channel				131987	132322	132657	EIRP(W)		
Frequency (MHz)				1711.5	1745	1778.5	L	M	H
3	QPSK	1	0	23.15	23.21	23.17	0.2148	0.2178	0.2158
3	QPSK	1	8	23.31	23.43	23.30	0.2228	0.2291	0.2223
3	QPSK	1	14	23.02	23.13	23.10	0.2084	0.2138	0.2123
3	QPSK	8	0	22.26	22.38	22.39	0.1750	0.1799	0.1803
3	QPSK	8	4	22.30	22.27	22.24	0.1766	0.1754	0.1742
3	QPSK	8	7	22.10	22.34	22.24	0.1687	0.1782	0.1742
3	QPSK	15	0	22.15	22.24	22.30	0.1706	0.1742	0.1766
3	16QAM	1	0	22.31	22.48	22.38	0.1770	0.1841	0.1799
3	16QAM	1	8	22.43	22.57	22.60	0.1820	0.1879	0.1892
3	16QAM	1	14	22.41	22.31	22.41	0.1811	0.1770	0.1811
3	16QAM	8	0	21.28	21.30	21.35	0.1396	0.1403	0.1419
3	16QAM	8	4	21.18	21.35	21.26	0.1365	0.1419	0.1390
3	16QAM	8	7	21.15	21.33	21.25	0.1355	0.1413	0.1387
3	16QAM	15	0	21.22	21.29	21.33	0.1377	0.1400	0.1413
3	64QAM	1	0	21.19	21.21	21.32	0.1368	0.1374	0.1409
3	64QAM	1	8	21.46	21.42	21.57	0.1455	0.1442	0.1493
3	64QAM	1	14	21.15	21.29	21.32	0.1355	0.1400	0.1409
3	64QAM	8	0	20.15	20.34	20.42	0.1076	0.1125	0.1146
3	64QAM	8	4	20.25	20.24	20.34	0.1102	0.1099	0.1125
3	64QAM	8	7	20.18	20.21	20.19	0.1084	0.1091	0.1086
3	64QAM	15	0	20.19	20.24	20.22	0.1086	0.1099	0.1094
Channel				131979	132322	132665	EIRP(W)		
Frequency (MHz)				1710.7	1745	1779.3	L	M	H



1.4	QPSK	1	0	23.25	23.36	23.38	0.2198	0.2254	0.2265
1.4	QPSK	1	3	23.26	23.39	23.38	0.2203	0.2270	0.2265
1.4	QPSK	1	5	23.26	23.39	23.36	0.2203	0.2270	0.2254
1.4	QPSK	3	0	23.26	23.39	23.38	0.2203	0.2270	0.2265
1.4	QPSK	3	1	23.27	23.42	23.37	0.2208	0.2286	0.2259
1.4	QPSK	3	3	23.27	23.36	23.37	0.2208	0.2254	0.2259
1.4	QPSK	6	0	22.32	22.41	22.40	0.1774	0.1811	0.1807
1.4	16QAM	1	0	22.47	22.60	22.56	0.1837	0.1892	0.1875
1.4	16QAM	1	3	22.52	22.62	22.64	0.1858	0.1901	0.1910
1.4	16QAM	1	5	22.47	22.63	22.57	0.1837	0.1905	0.1879
1.4	16QAM	3	0	22.29	22.42	22.39	0.1762	0.1816	0.1803
1.4	16QAM	3	1	22.28	22.41	22.39	0.1758	0.1811	0.1803
1.4	16QAM	3	3	22.27	22.35	22.39	0.1754	0.1786	0.1803
1.4	16QAM	6	0	21.33	21.45	21.44	0.1413	0.1452	0.1449
1.4	64QAM	1	0	21.41	21.59	21.50	0.1439	0.1500	0.1469
1.4	64QAM	1	3	21.42	21.56	21.46	0.1442	0.1489	0.1455
1.4	64QAM	1	5	21.39	21.51	21.44	0.1432	0.1472	0.1449
1.4	64QAM	3	0	21.38	21.50	21.46	0.1429	0.1469	0.1455
1.4	64QAM	3	1	21.37	21.56	21.47	0.1426	0.1489	0.1459
1.4	64QAM	3	3	21.35	21.46	21.45	0.1419	0.1455	0.1452
1.4	64QAM	6	0	20.23	20.38	20.32	0.1096	0.1135	0.1119



LTE Band 25 Main PA

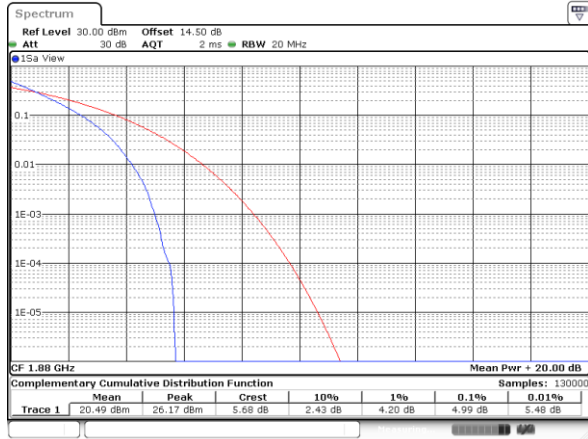
Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.99	6.00	6.43	PASS



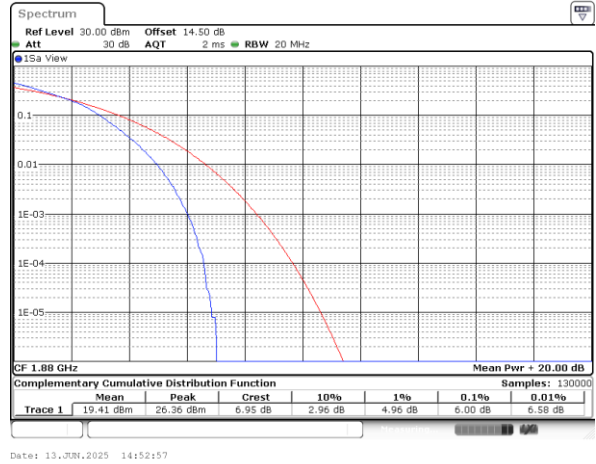
LTE Band 25 / 20MHz / QPSK

Middle Channel / Full RB



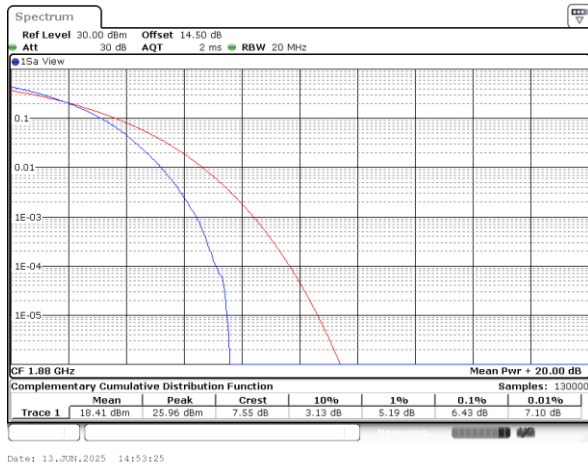
LTE Band 25 / 20MHz / 16QAM

Middle Channel / Full RB



LTE Band 25 / 20MHz / 64QAM

Middle Channel / Full RB





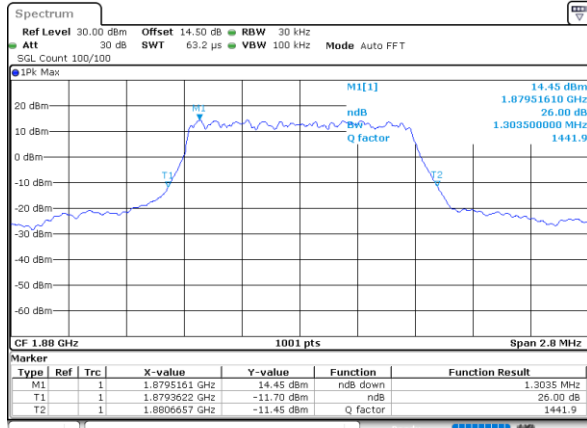
26dB Bandwidth

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	1.30	1.28	2.95	2.95	4.94	4.91	9.75	9.67	14.42	14.39	19.02	18.70

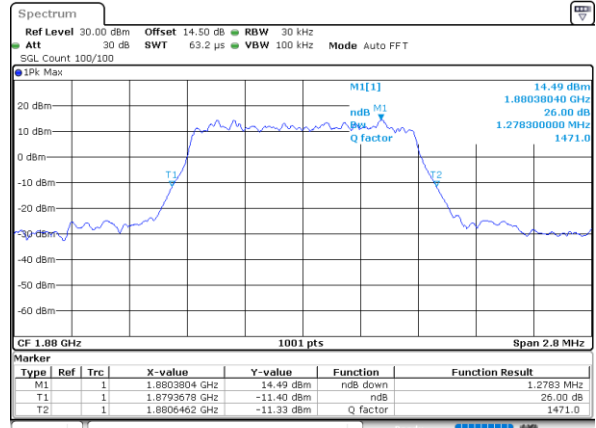


LTE Band 25

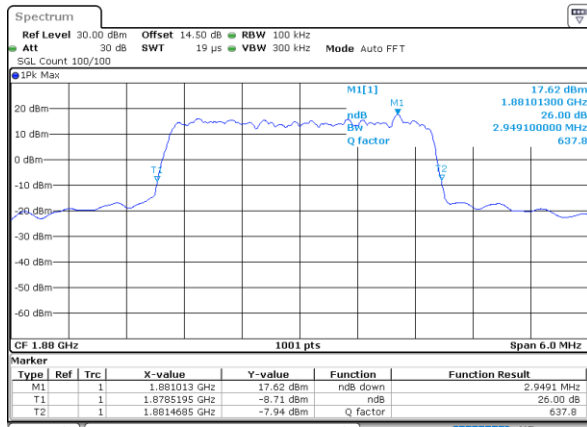
Middle Channel / 1.4MHz / QPSK



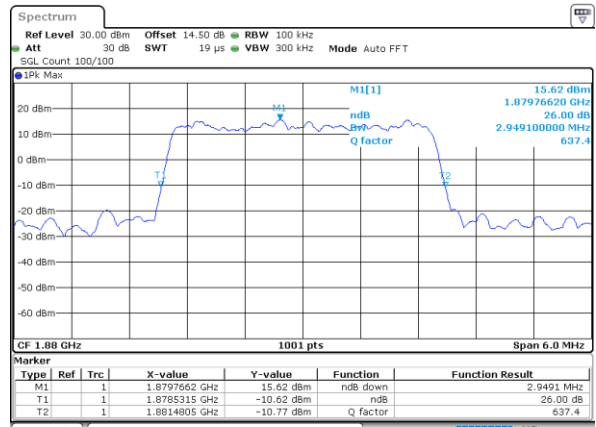
Middle Channel / 1.4MHz / 16QAM



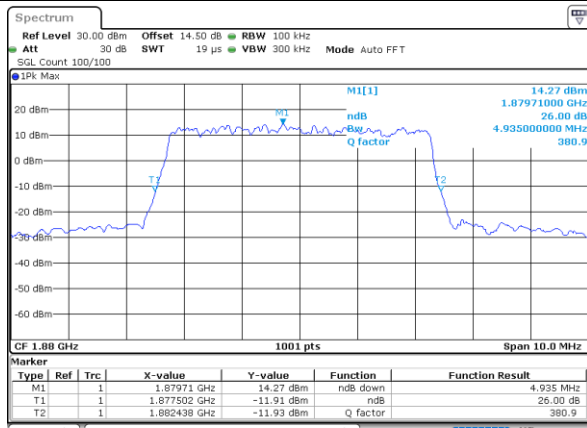
Middle Channel / 3MHz / QPSK



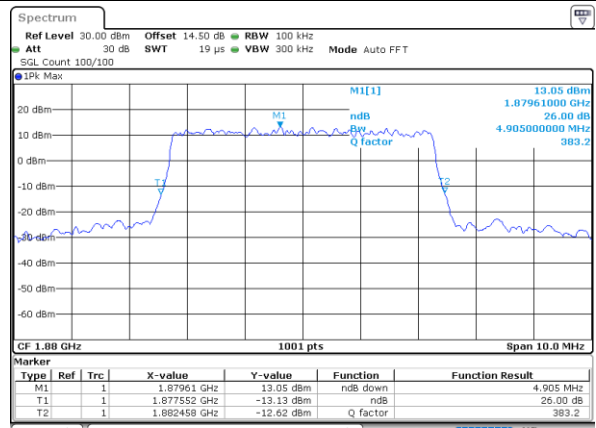
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



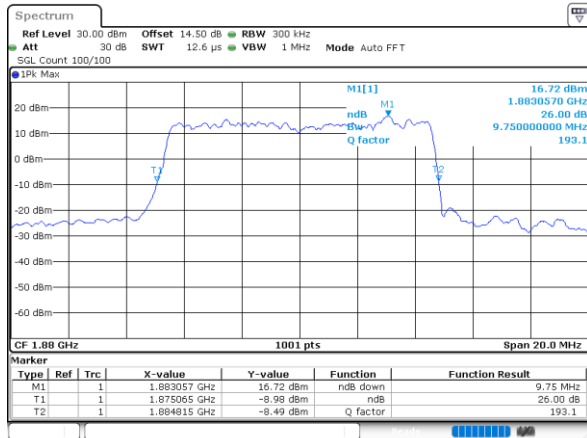
Middle Channel / 5MHz / 16QAM





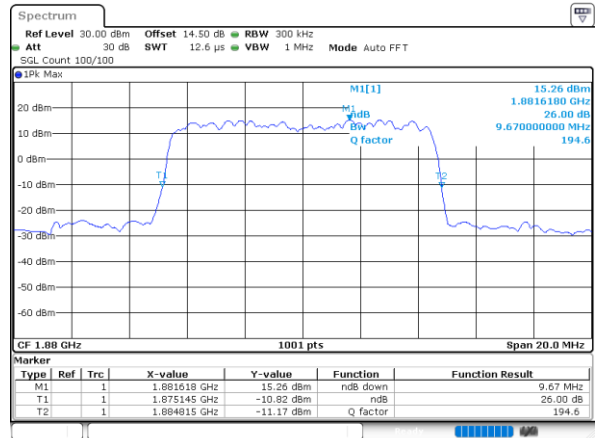
LTE Band 25

Middle Channel / 10MHz / QPSK



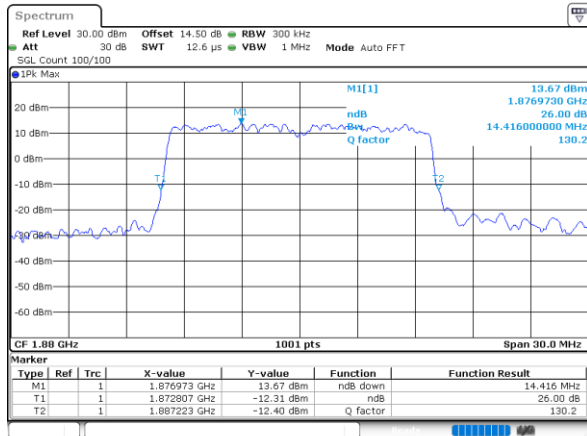
Date: 13 JUN 2025 14:29:20

Middle Channel / 10MHz / 16QAM



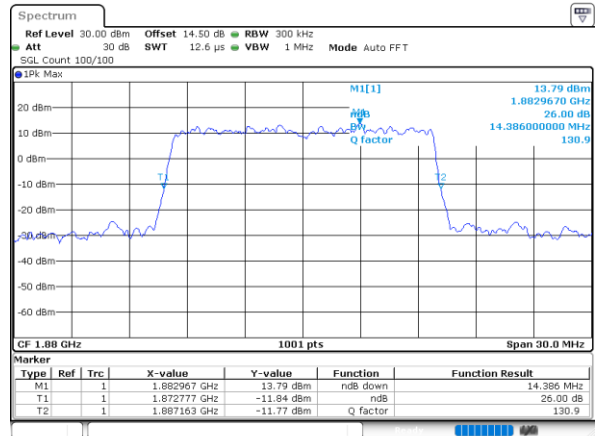
Date: 13 JUN 2025 14:30:00

Middle Channel / 15MHz / QPSK



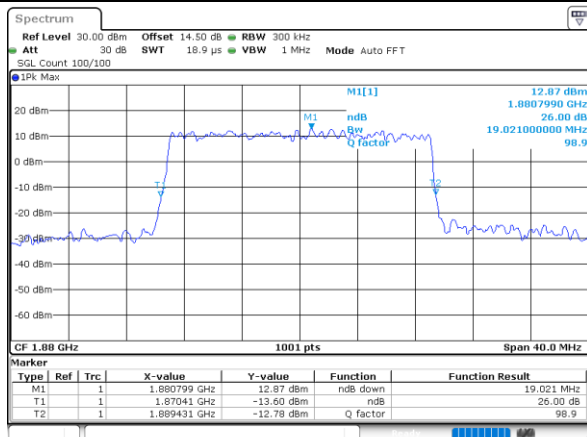
Date: 13 JUN 2025 14:40:20

Middle Channel / 15MHz / 16QAM



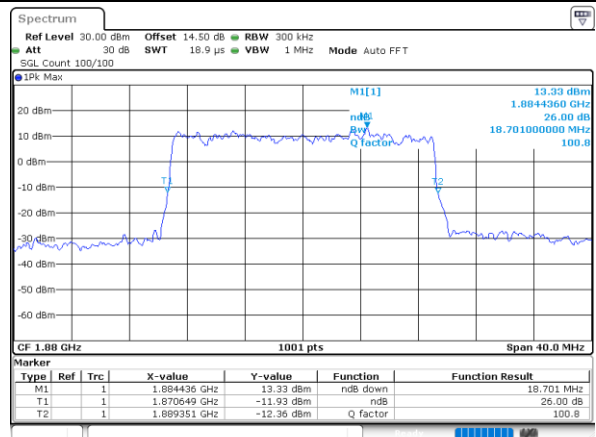
Date: 13 JUN 2025 14:41:07

Middle Channel / 20MHz / QPSK



Date: 13 JUN 2025 14:51:23

Middle Channel / 20MHz / 16QAM



Date: 13 JUN 2025 14:52:03



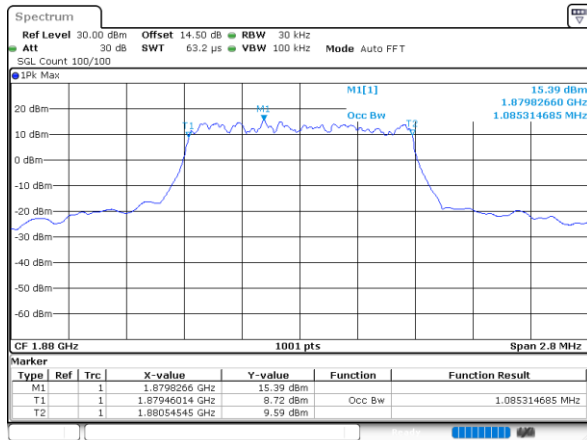
Occupied Bandwidth

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	2.71	2.70	4.51	4.49	9.07	9.01	13.40	13.52	17.86	17.90

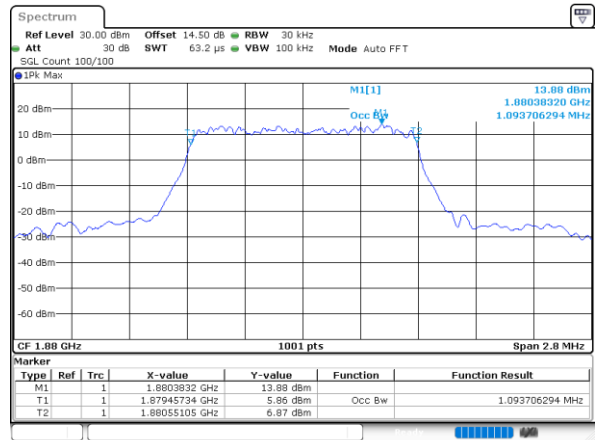


LTE Band 25

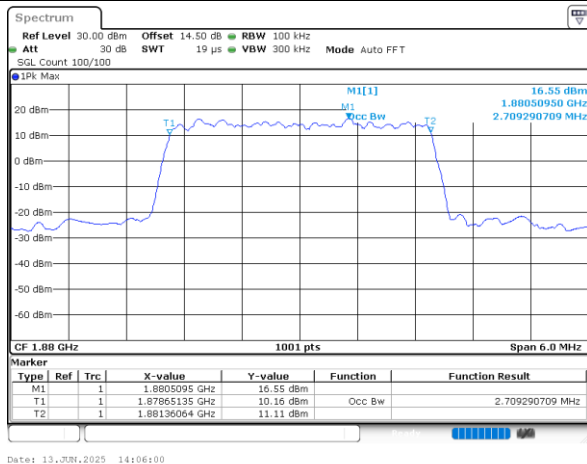
Middle Channel / 1.4MHz / QPSK



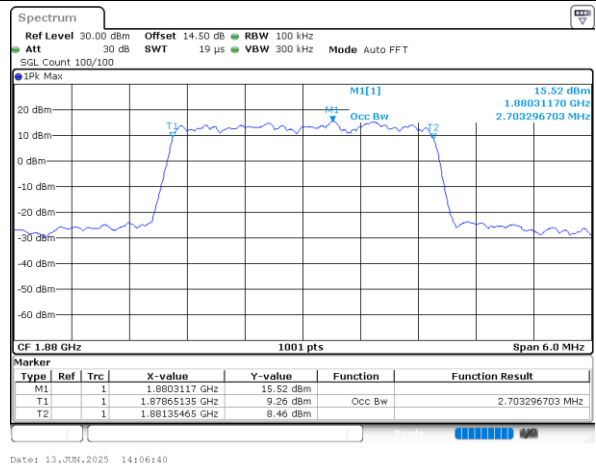
Middle Channel / 1.4MHz / 16QAM



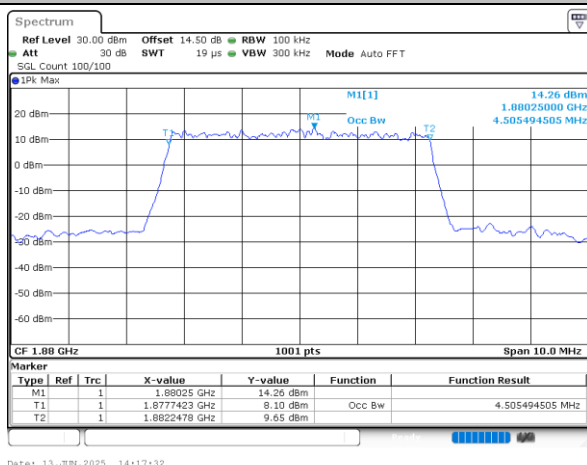
Middle Channel / 3MHz / QPSK



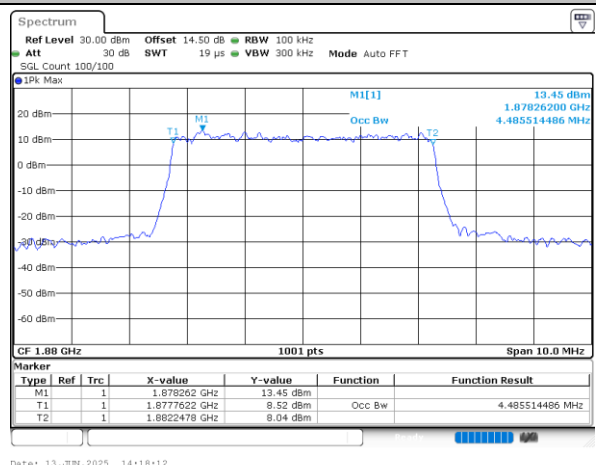
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



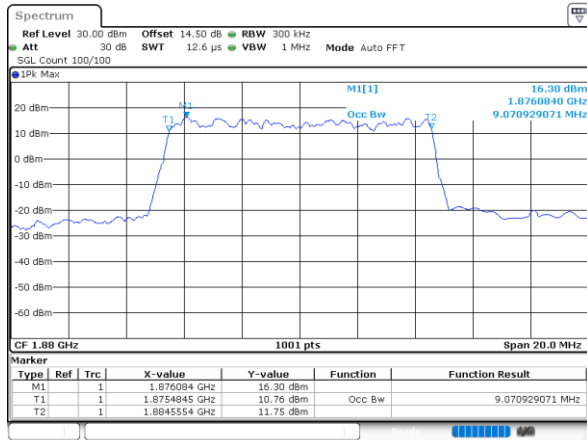
Middle Channel / 5MHz / 16QAM



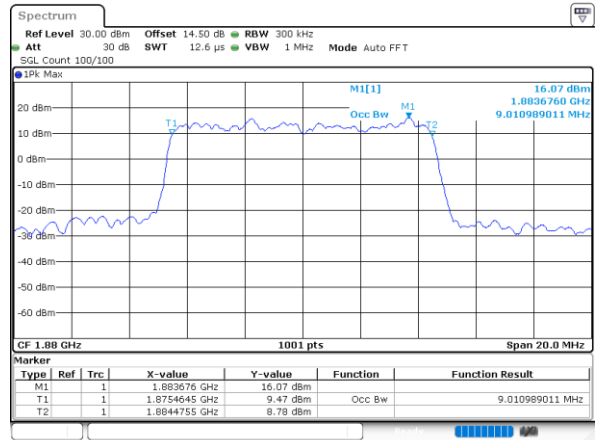


LTE Band 25

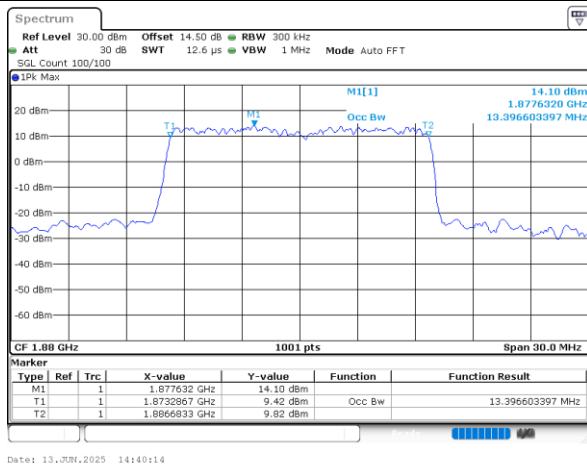
Middle Channel / 10MHz / QPSK



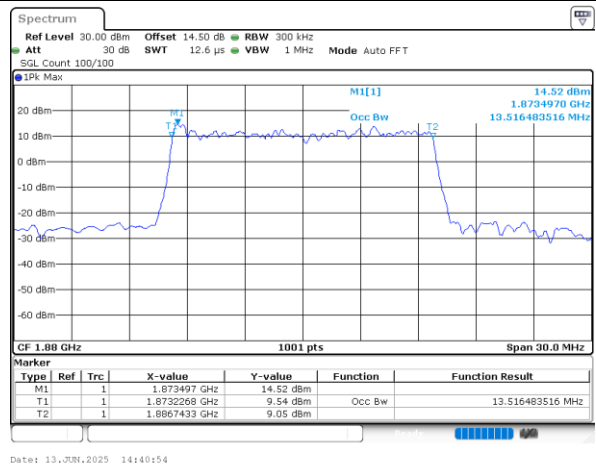
Middle Channel / 10MHz / 16QAM



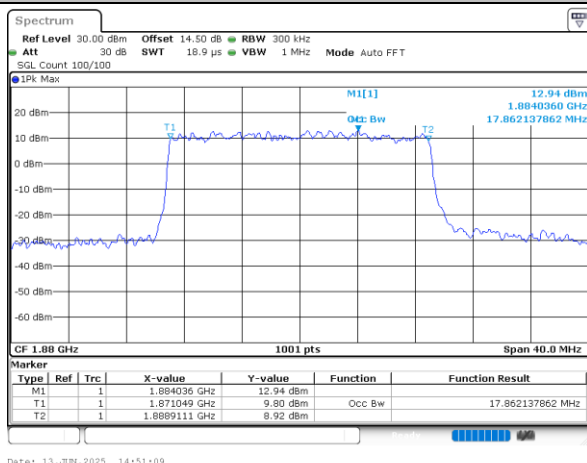
Middle Channel / 15MHz / QPSK



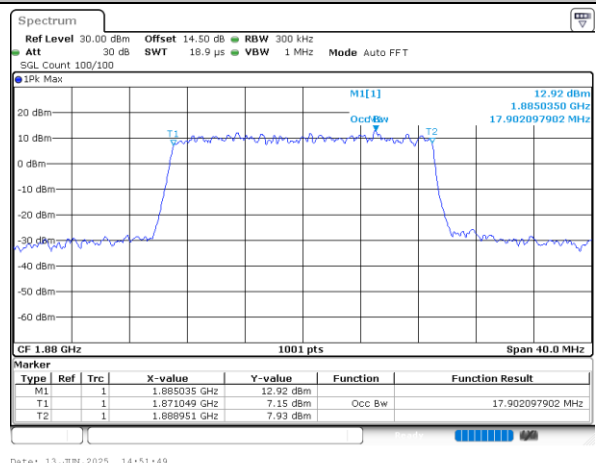
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

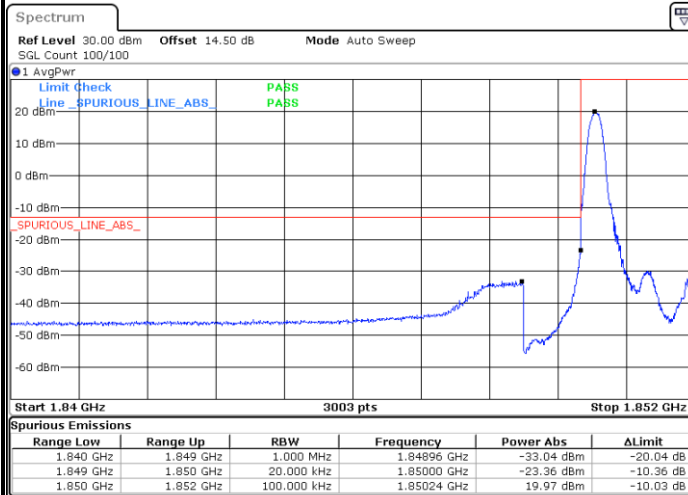




Conducted Band Edge

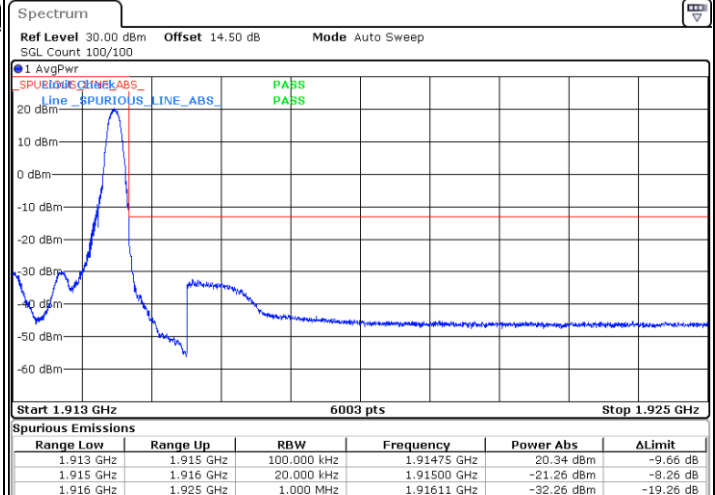
LTE Band 25 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



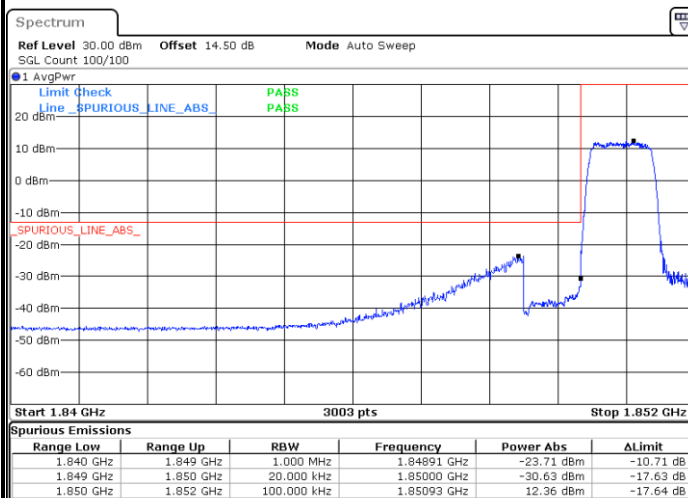
Date: 13.JUN.2025 13:11:57

Highest Band Edge / 1RB



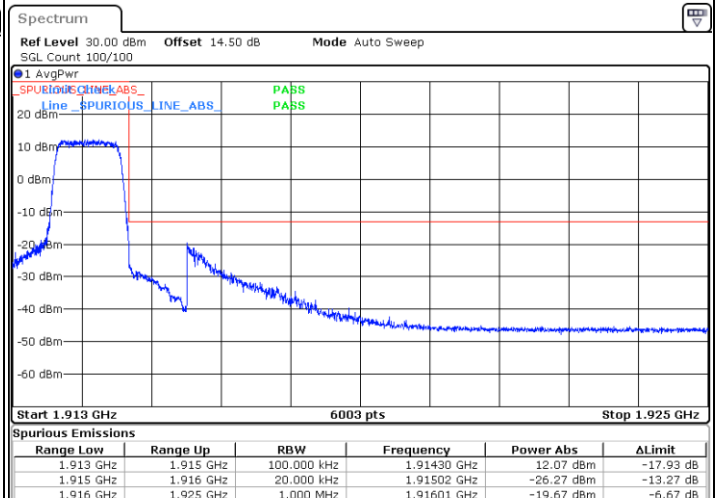
Date: 13.JUN.2025 13:19:52

Lowest Band Edge / Full RB



Date: 13.JUN.2025 13:15:32

Highest Band Edge / Full RB

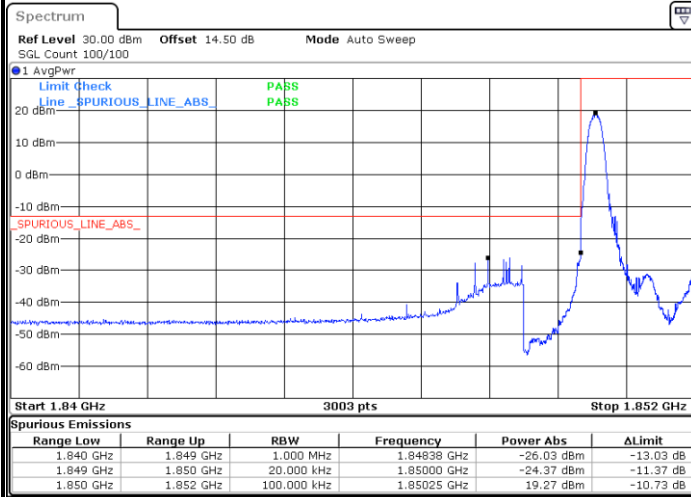


Date: 13.JUN.2025 13:23:28

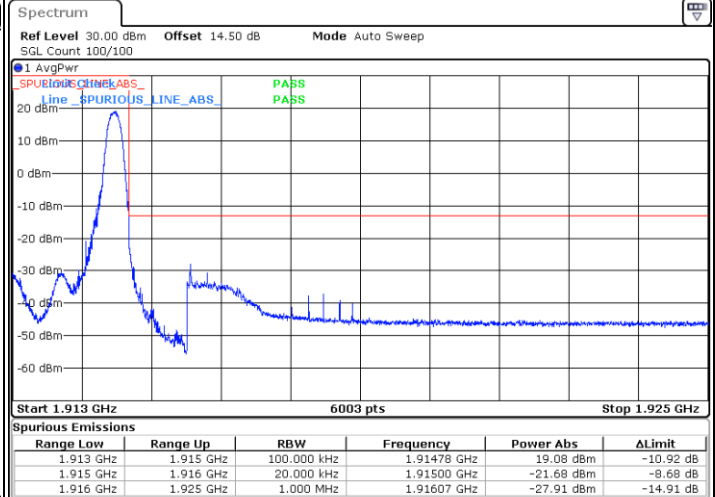


LTE Band 25 / 1.4MHz / 16QAM

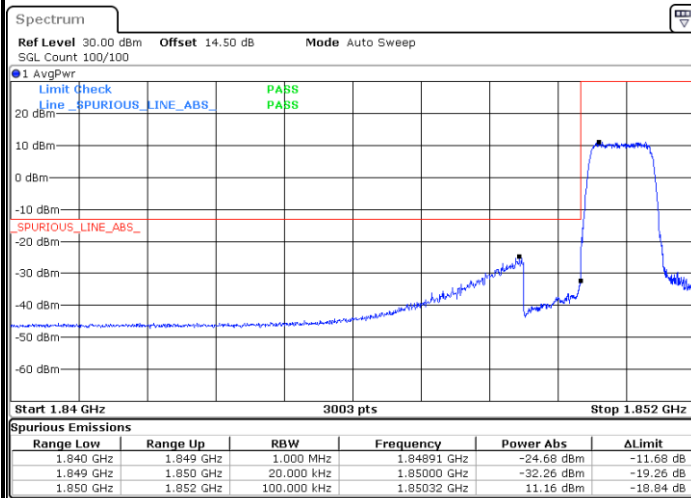
Lowest Band Edge / 1 RB



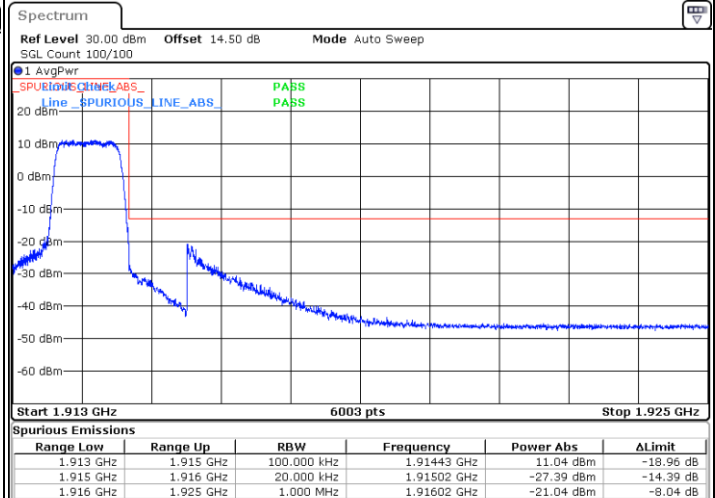
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



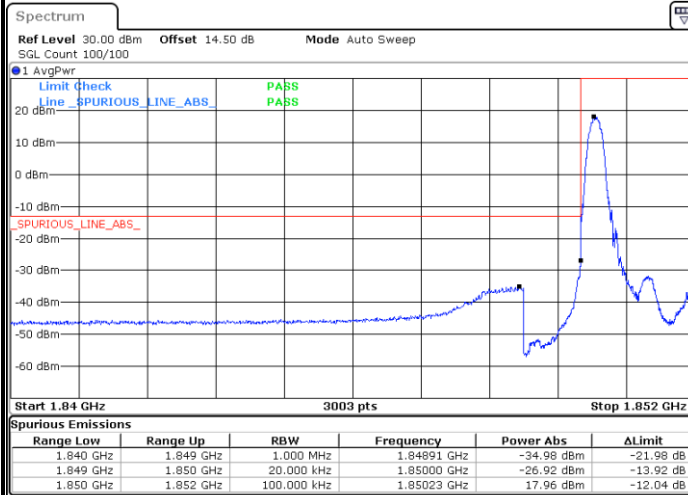
Highest Band Edge / Full RB



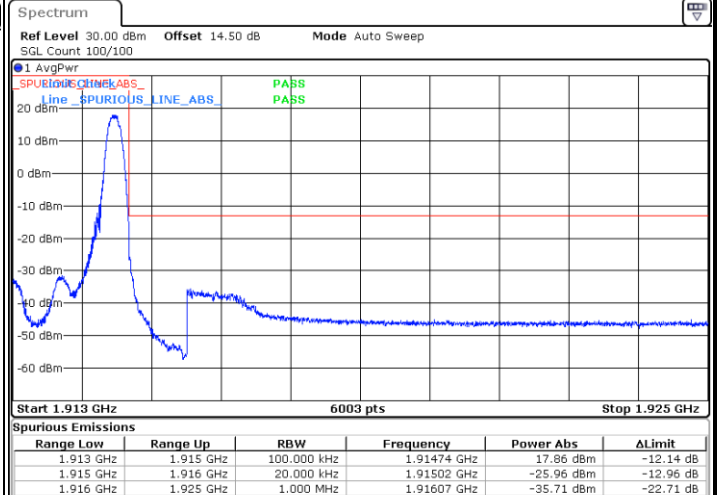


LTE Band 25 / 1.4MHz / 64QAM

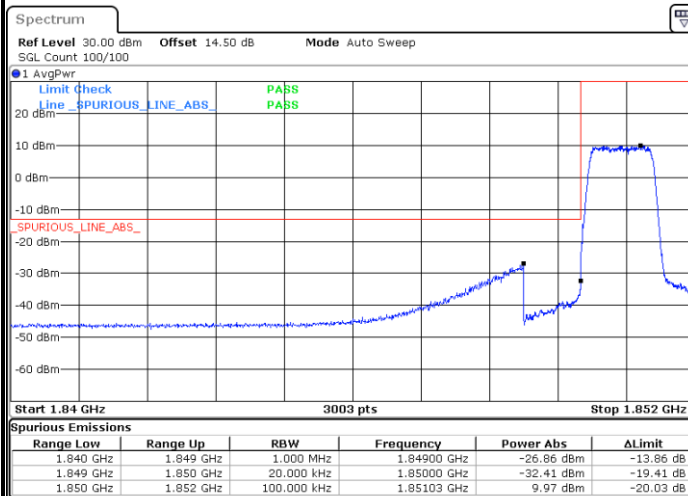
Lowest Band Edge / 1 RB



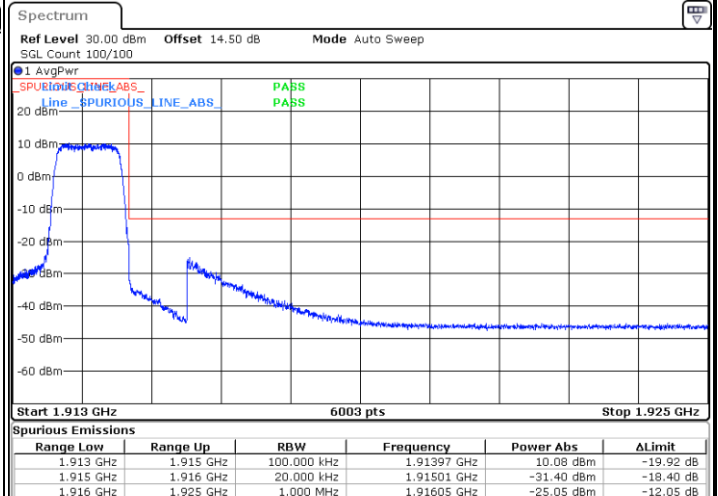
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



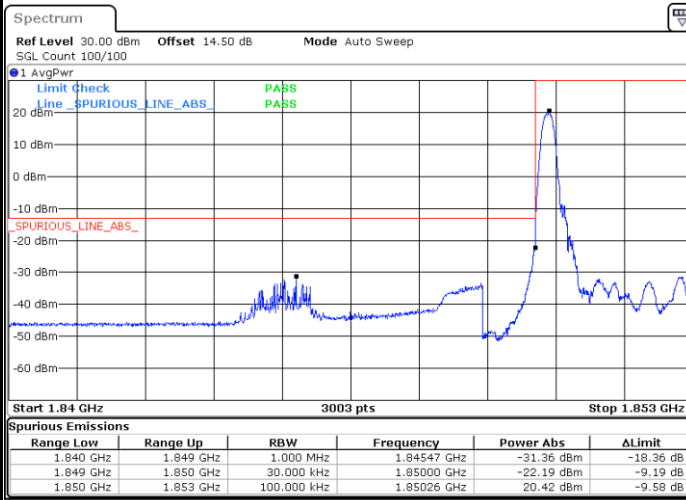
Highest Band Edge / Full RB



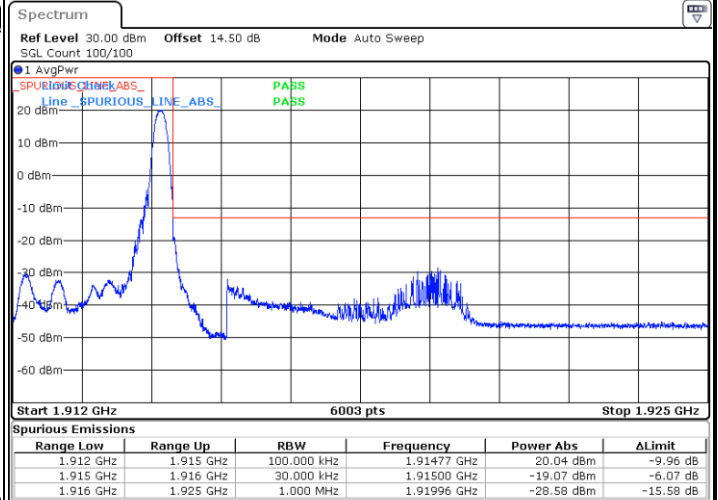


LTE Band 25 / 3MHz / QPSK

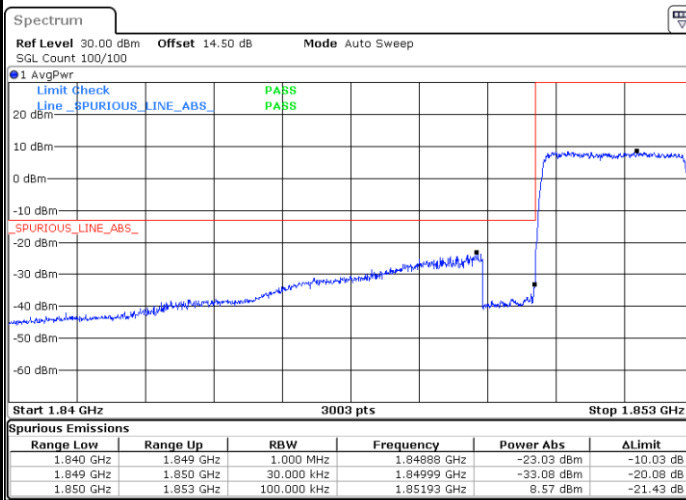
Lowest Band Edge / 1RB



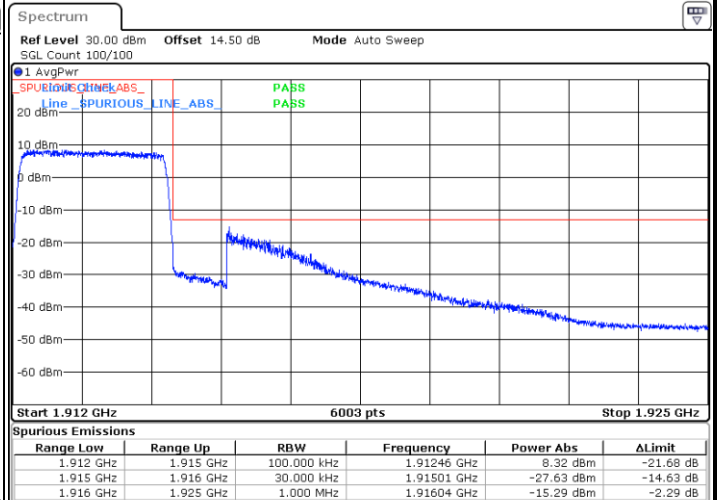
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



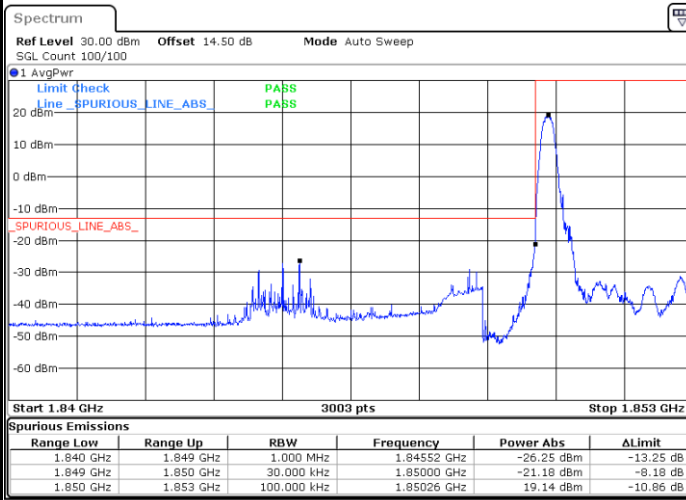
Highest Band Edge / Full RB



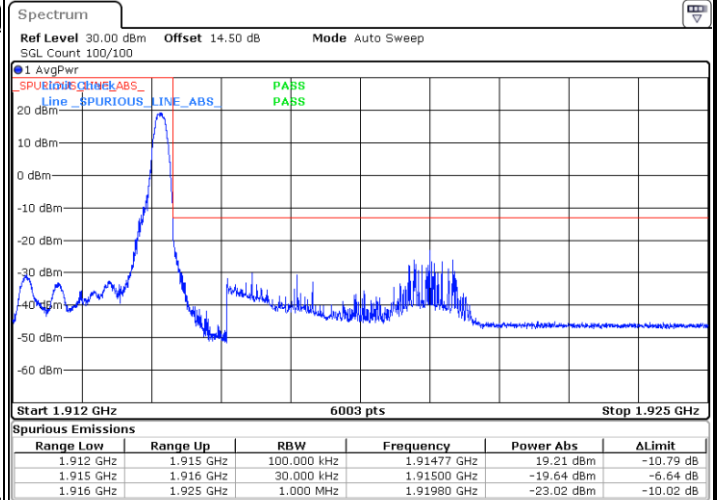


LTE Band 25 / 3MHz / 16QAM

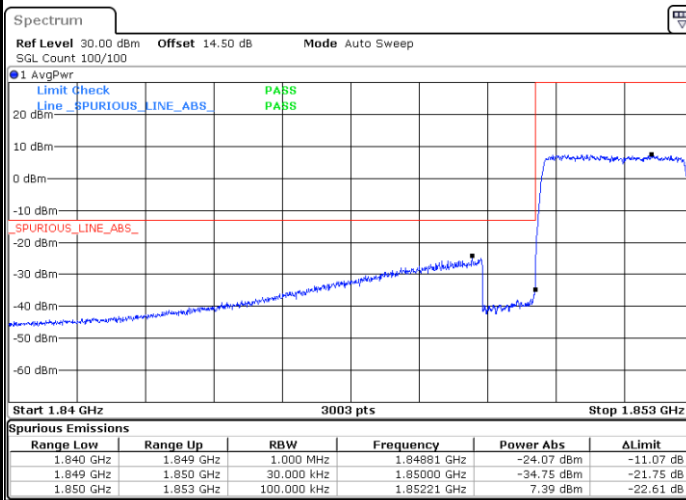
Lowest Band Edge / 1 RB



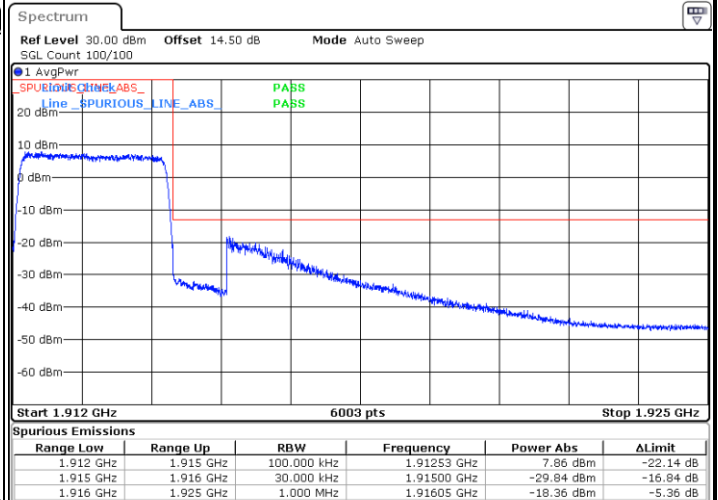
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



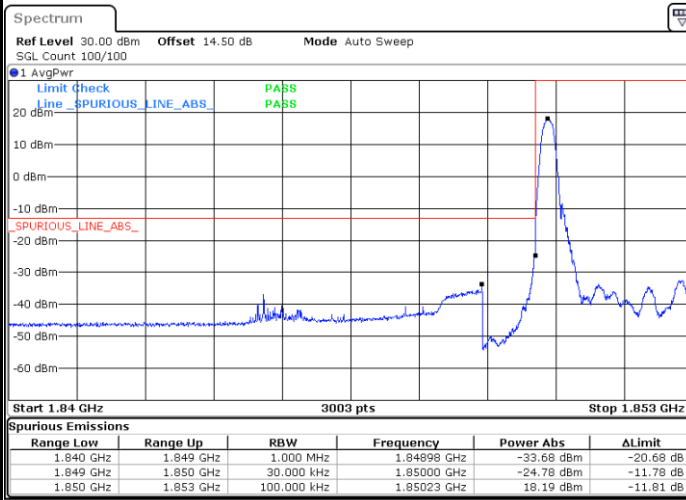
Highest Band Edge / Full RB



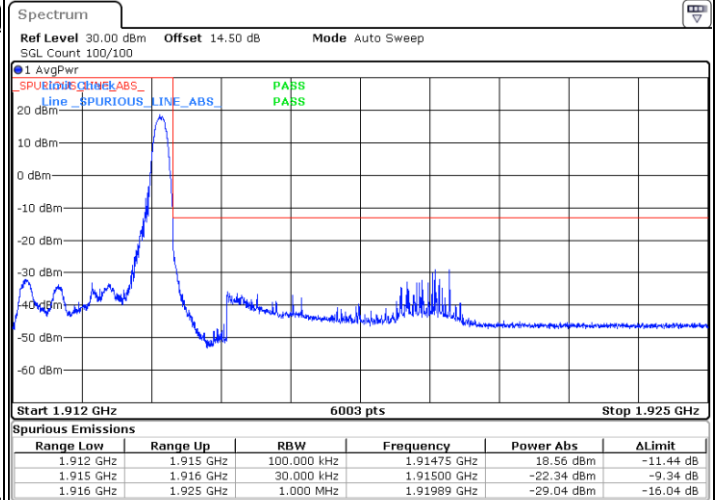


LTE Band 25 / 3MHz / 64QAM

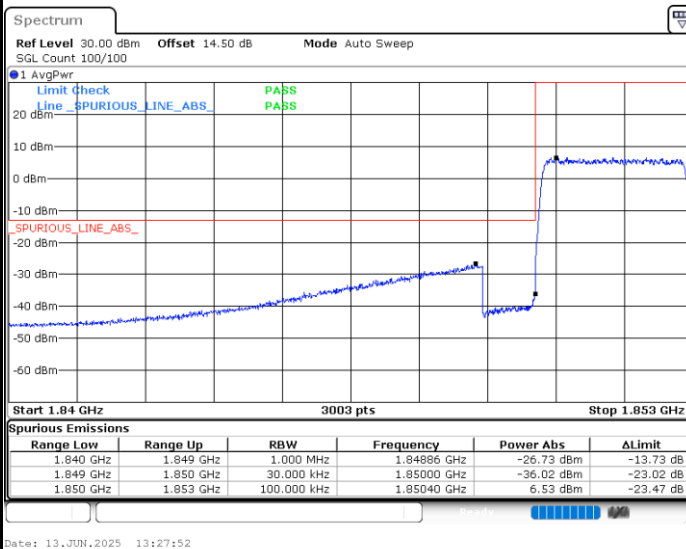
Lowest Band Edge / 1 RB



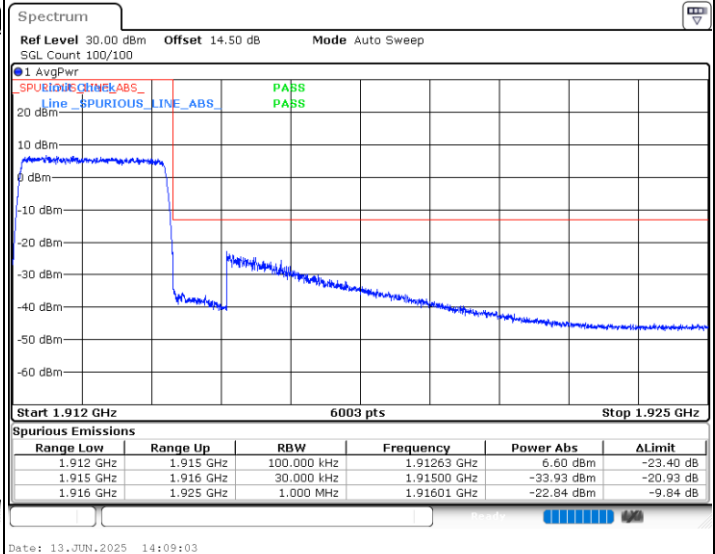
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



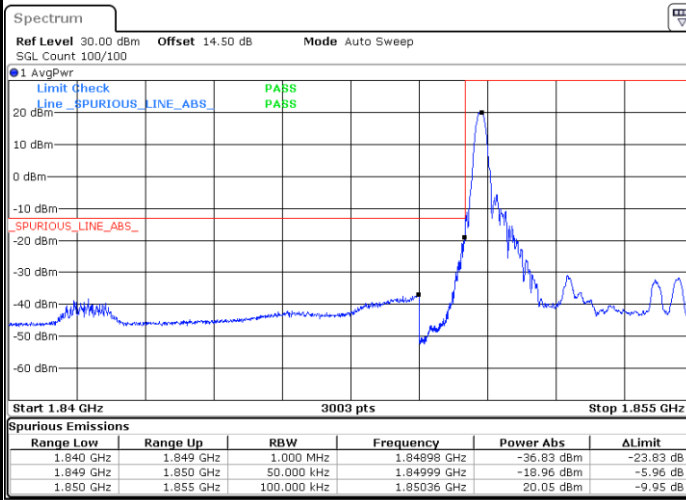
Highest Band Edge / Full RB





LTE Band 25 / 5MHz / QPSK

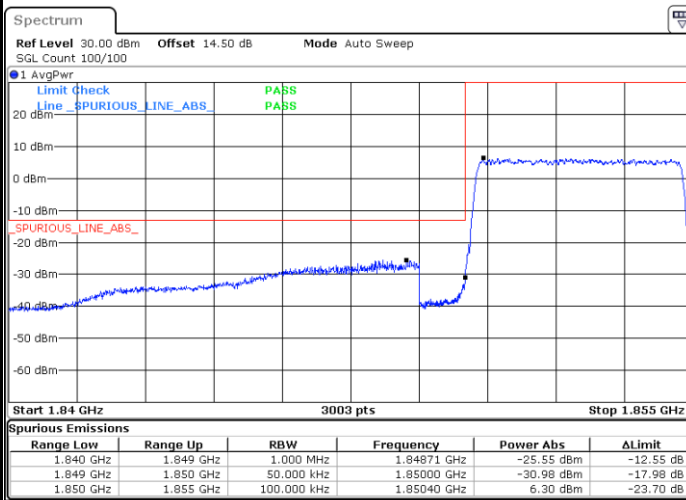
Lowest Band Edge / 1RB



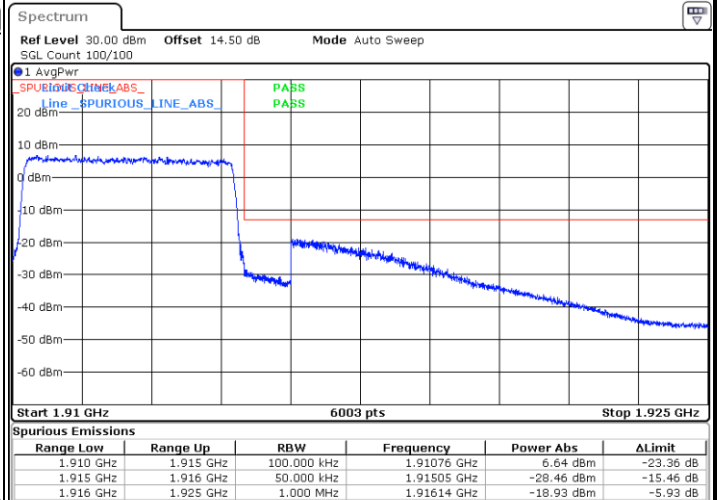
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



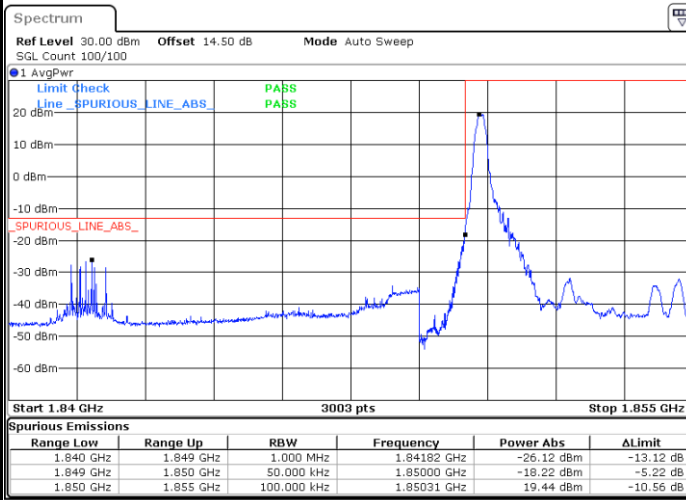
Highest Band Edge / Full RB



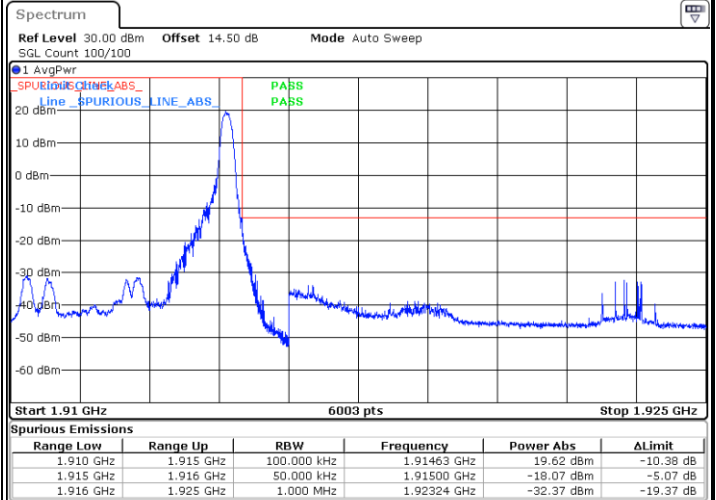


LTE Band 25 / 5MHz / 16QAM

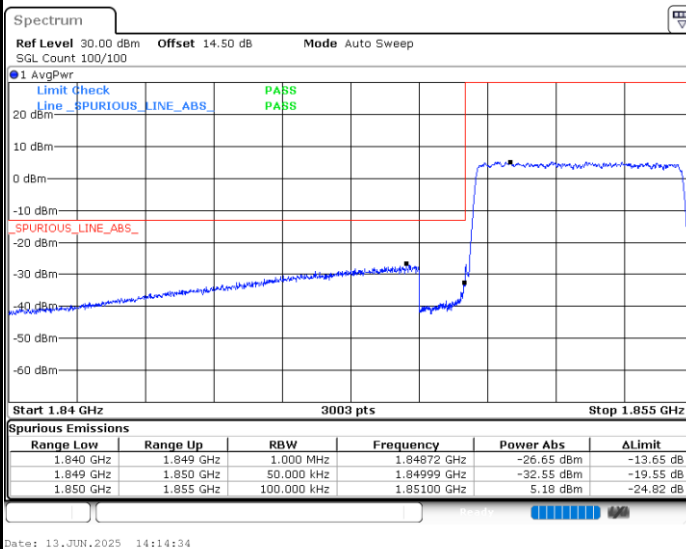
Lowest Band Edge / 1 RB



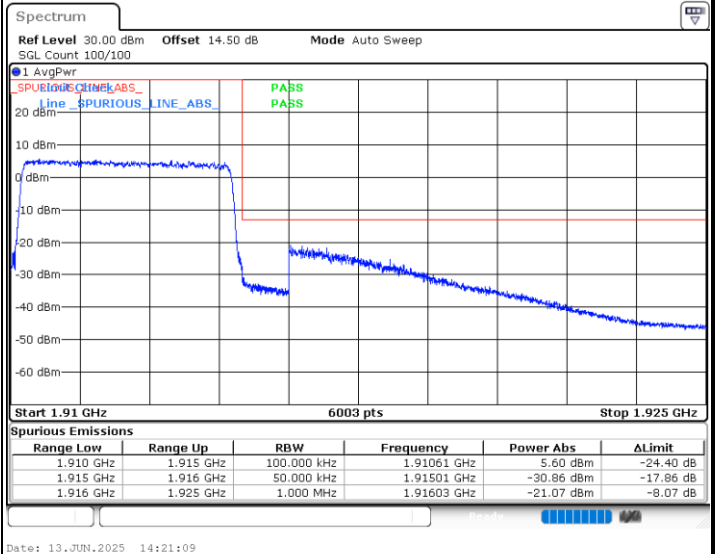
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



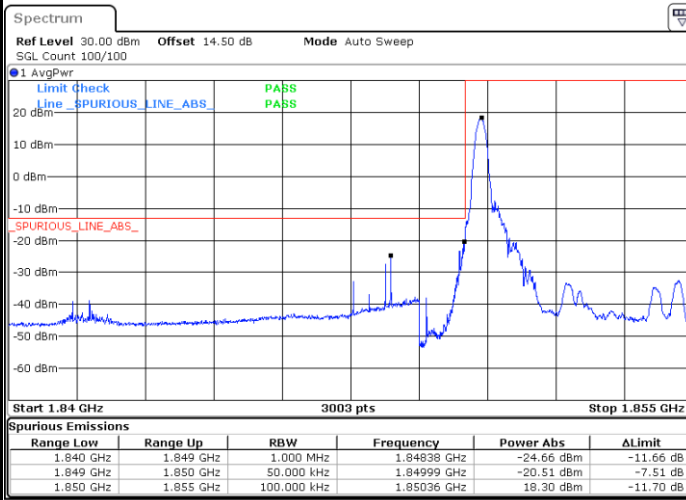
Highest Band Edge / Full RB



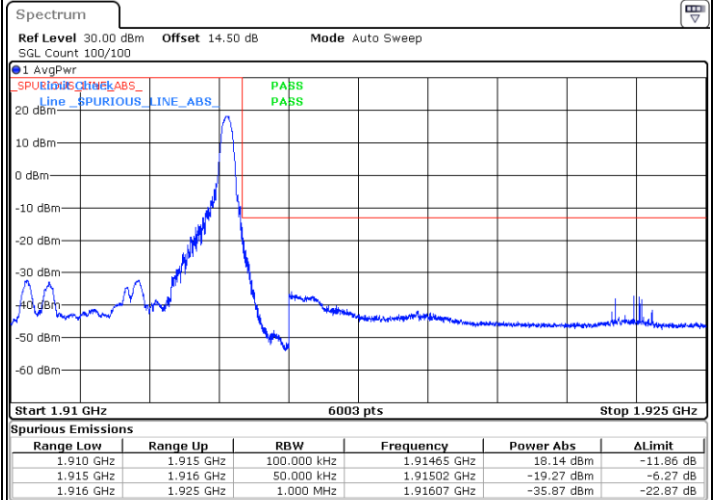


LTE Band 25 / 5MHz / 64QAM

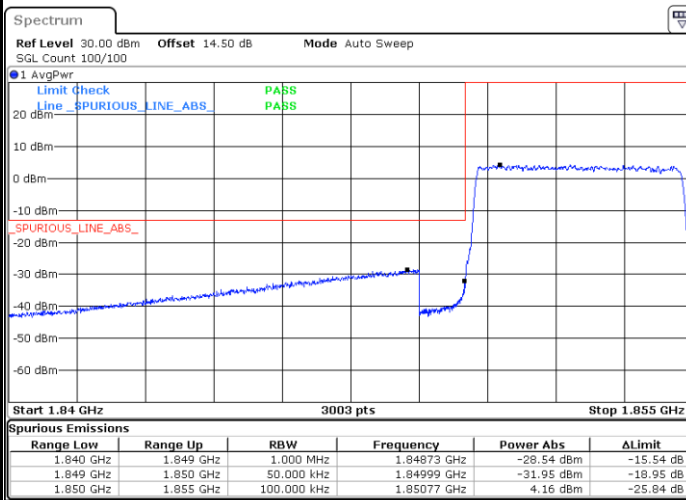
Lowest Band Edge / 1 RB



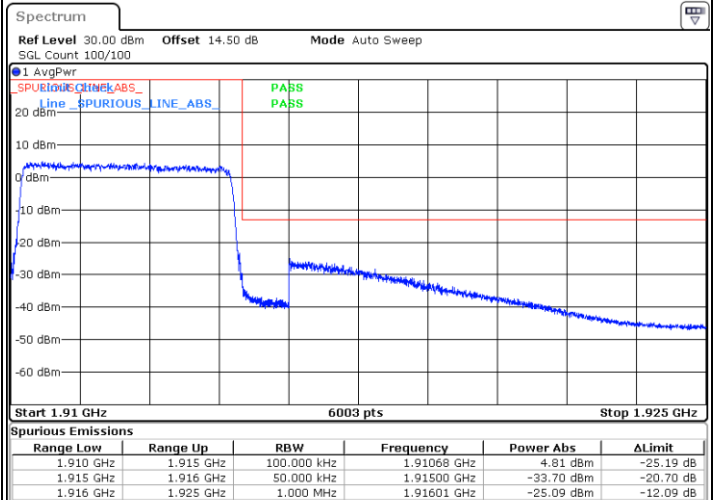
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



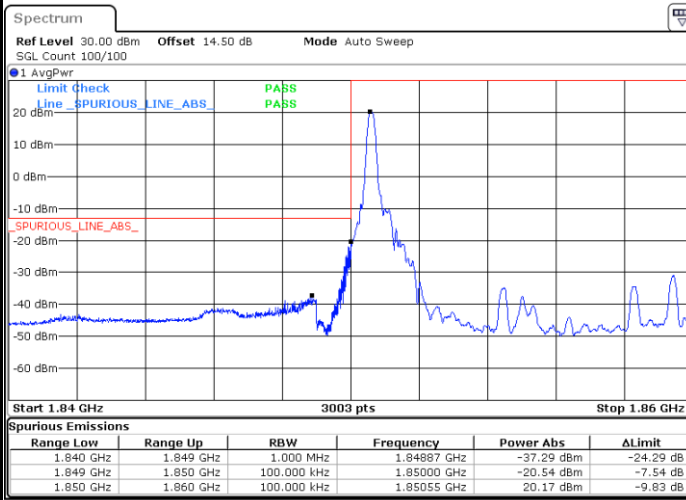
Highest Band Edge / Full RB



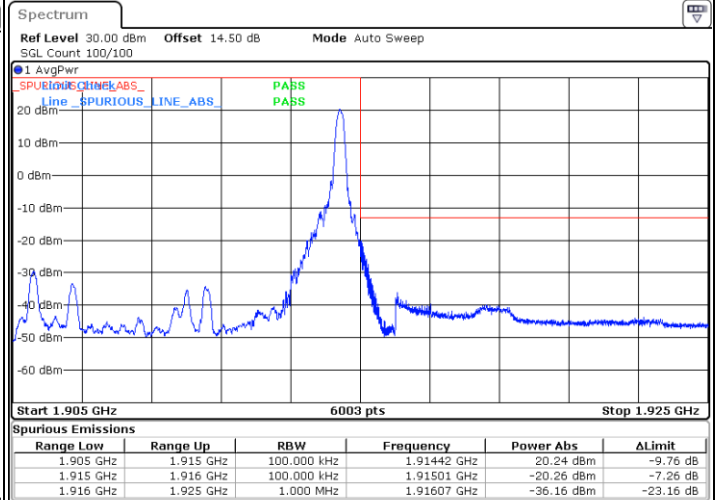


LTE Band 25 / 10MHz / QPSK

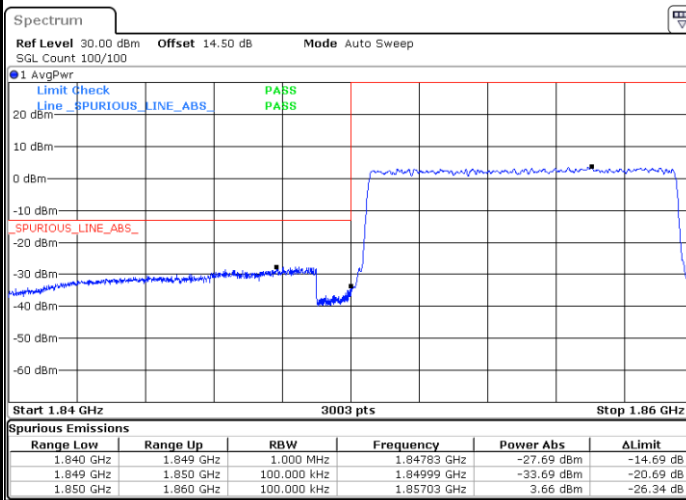
Lowest Band Edge / 1RB



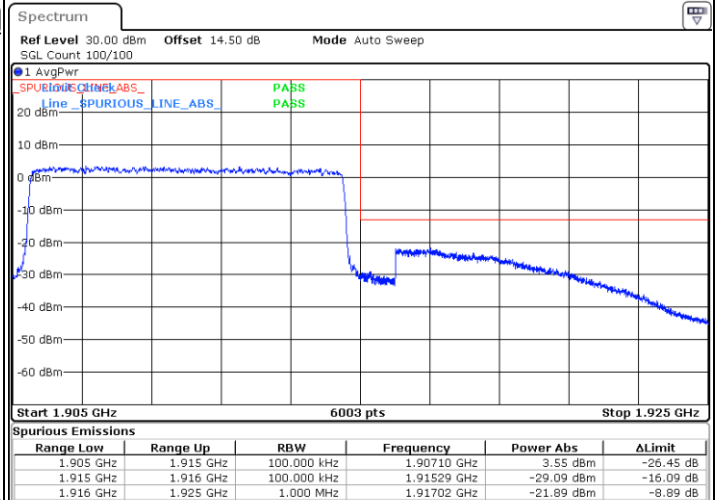
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



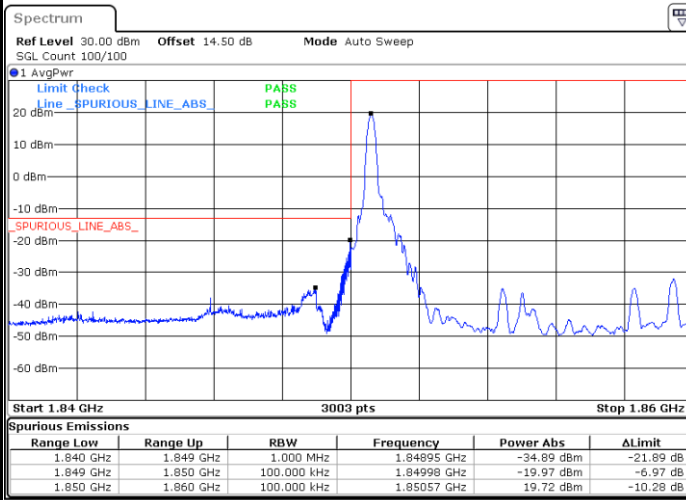
Highest Band Edge / Full RB



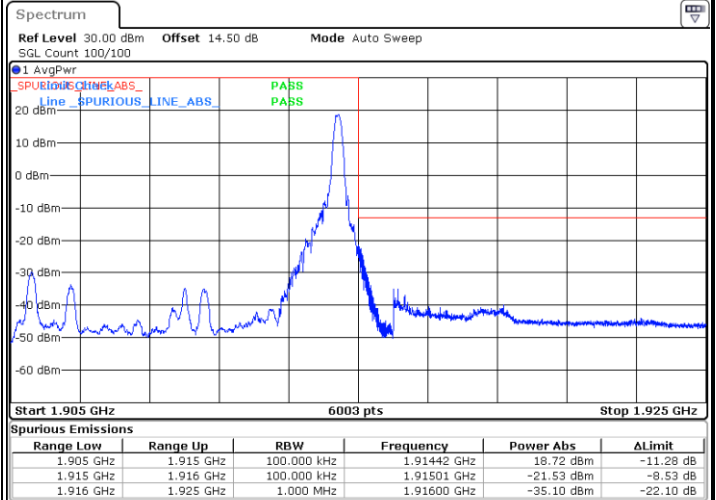


LTE Band 25 / 10MHz / 16QAM

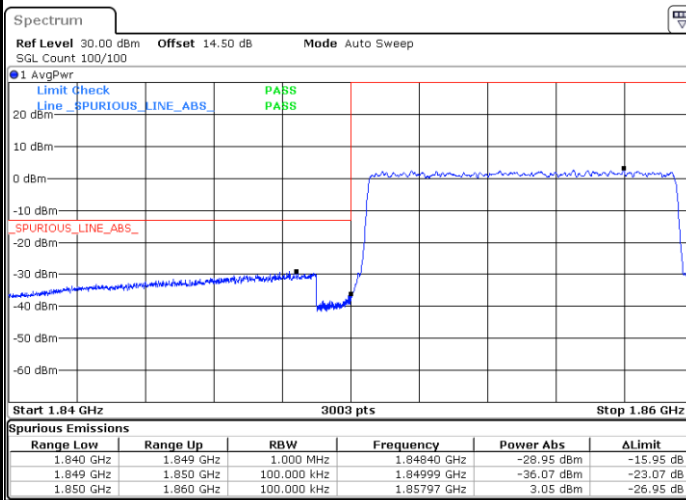
Lowest Band Edge / 1 RB



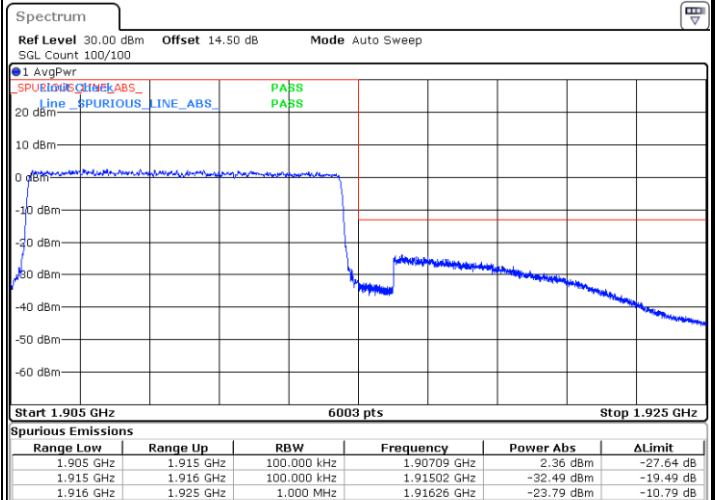
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



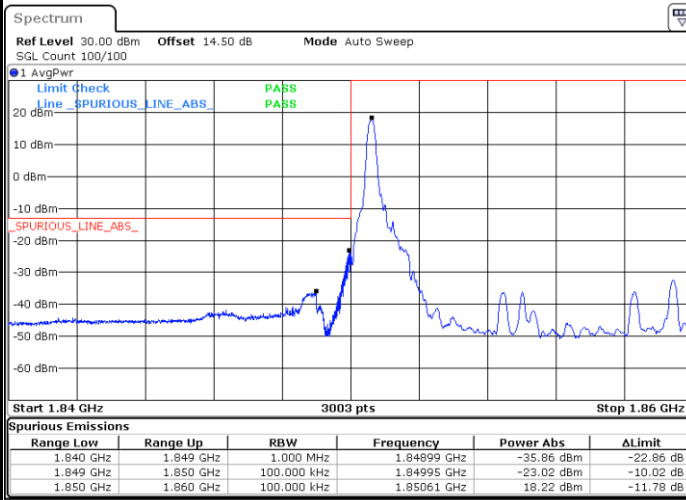
Highest Band Edge / Full RB



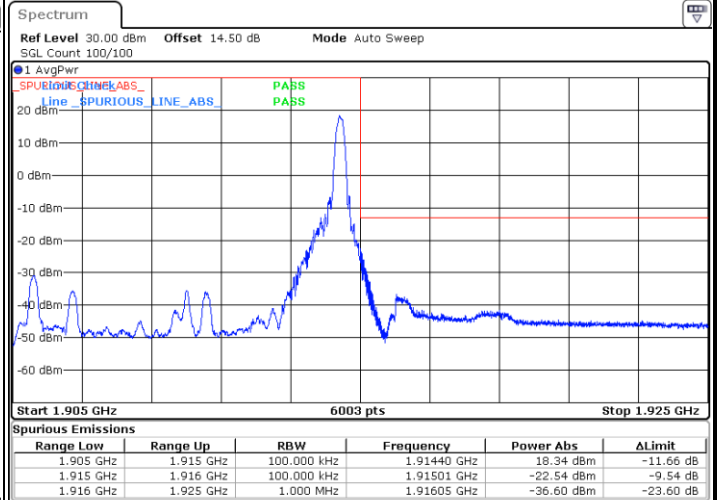


LTE Band 25 / 10MHz / 64QAM

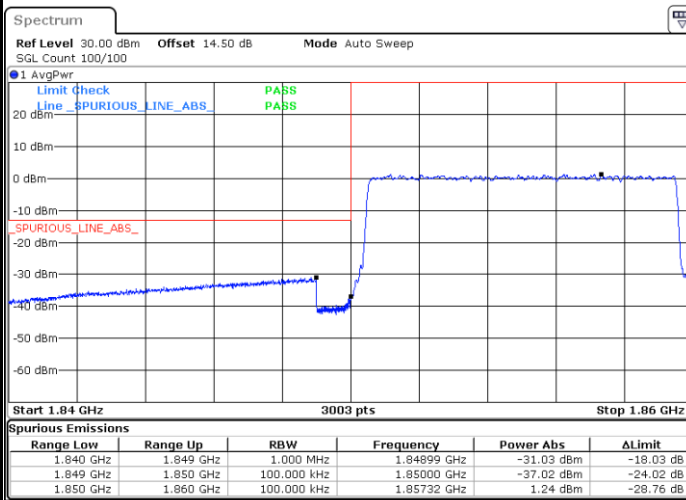
Lowest Band Edge / 1 RB



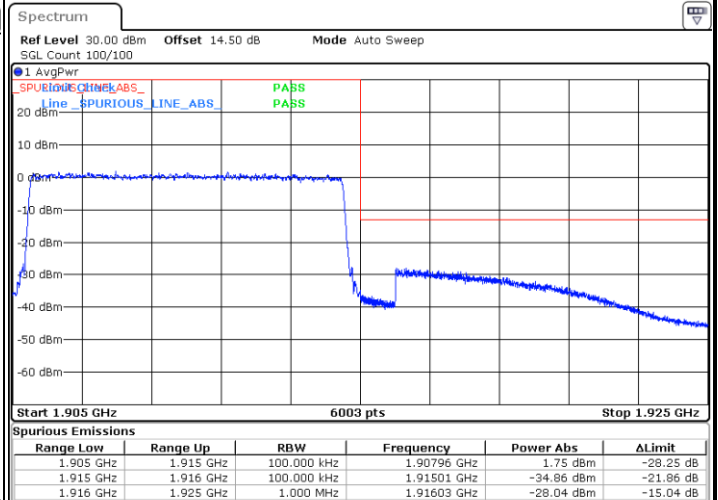
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



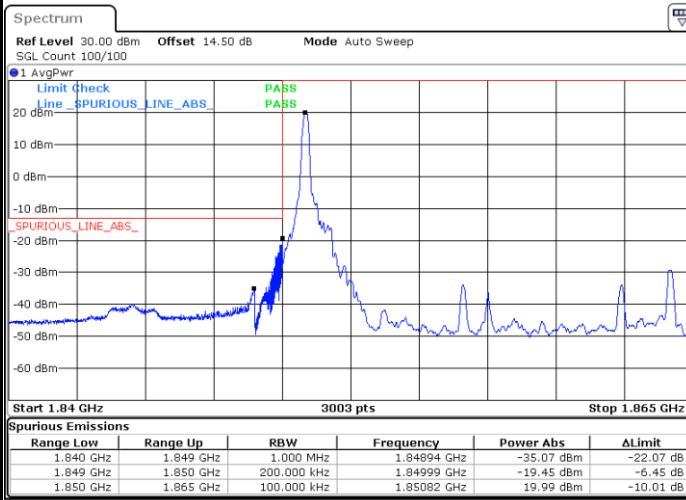
Highest Band Edge / Full RB



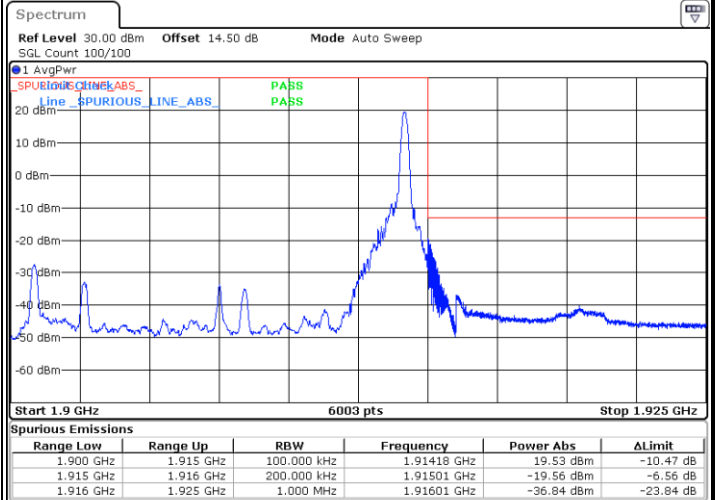


LTE Band 25 / 15MHz / QPSK

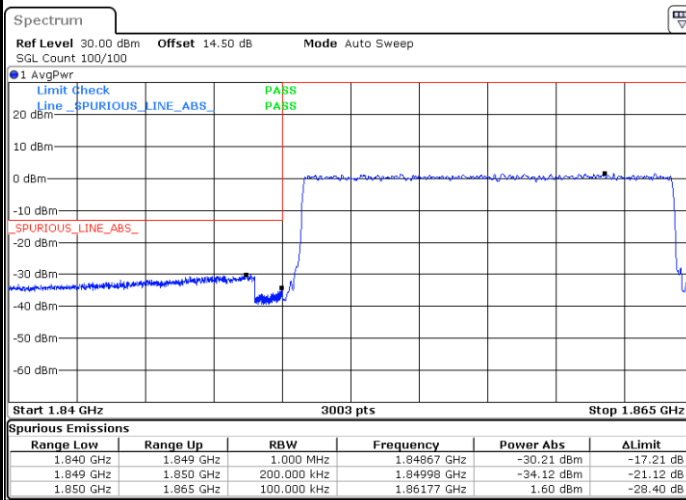
Lowest Band Edge / 1RB



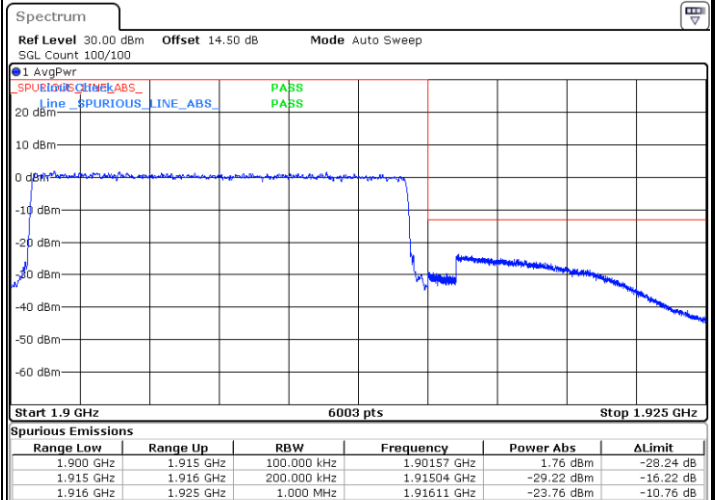
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



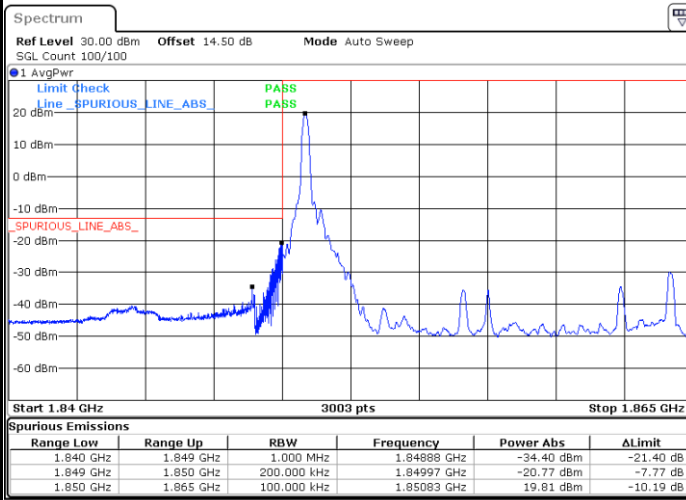
Highest Band Edge / Full RB



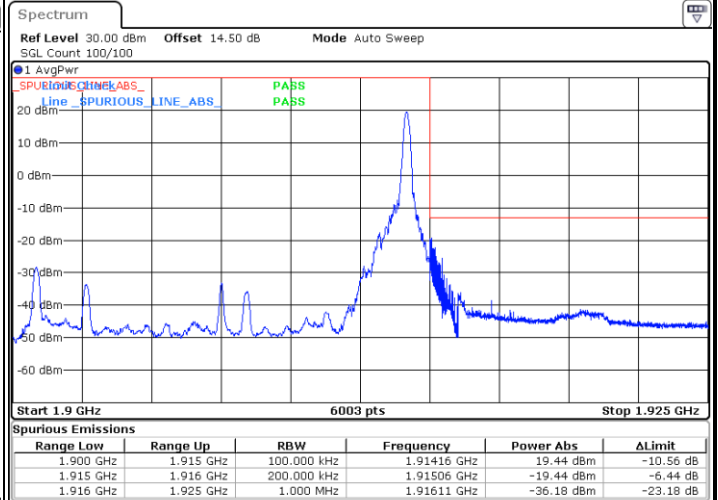


LTE Band 25 / 15MHz / 16QAM

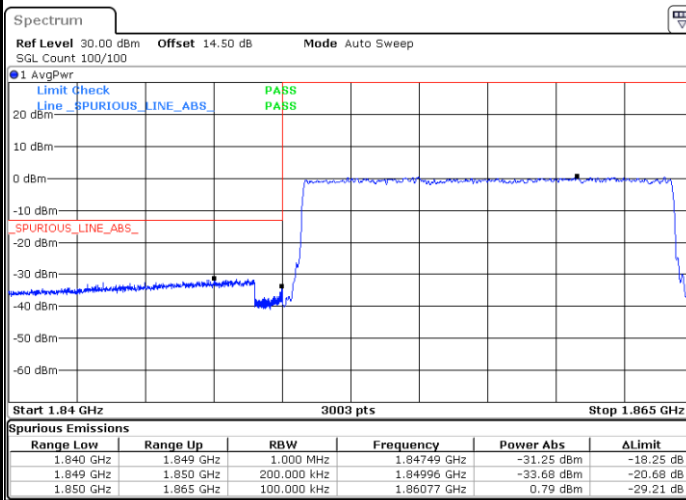
Lowest Band Edge / 1 RB



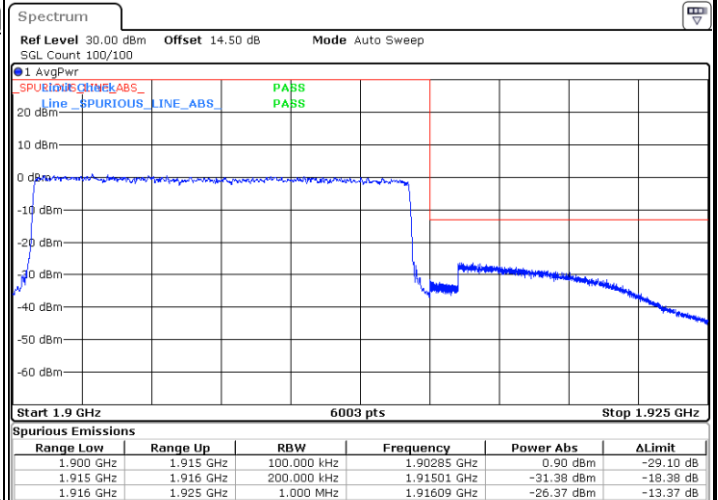
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



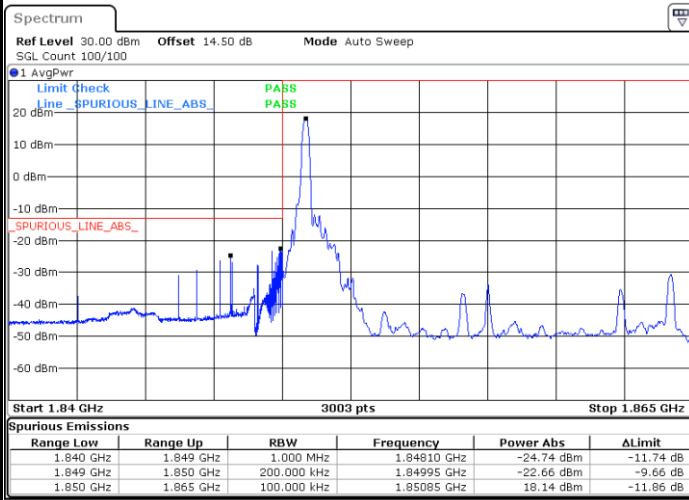
Highest Band Edge / Full RB



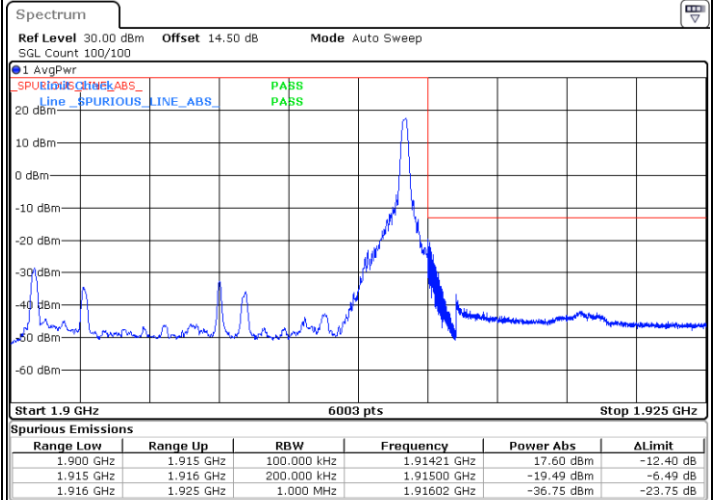


LTE Band 25 / 15MHz / 64QAM

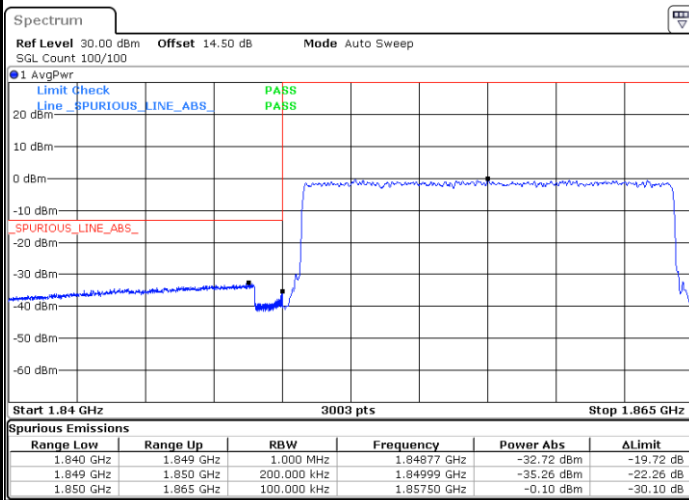
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

