



FCC RF Test Report

APPLICANT : VeriFone, Inc.
EQUIPMENT : Point of Sale Terminal
BRAND NAME : Verifone or VERIFONE or verifone
MODEL NAME : VM100
FCC ID : B32VM100
STANDARD : 47 CFR Part 27(H), 27(F), 27(M), 27(N)
CLASSIFICATION : PCS Licensed Transmitter (PCB)
TEST DATE(S) : Apr. 08, 2025 ~ Apr. 11, 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.

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

Jason Jia

Approved by: Jason Jia



Sporton International Inc. (Kunshan)

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



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG530703C	Rev. 01	Initial issue of report	Apr. 29, 2025

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	-	Report Only	-
	§27.50(b)(10) §27.50(c)(10)	Effective Radiated Power (Band 12) (Band 13) (Band 17) (Band 71)	ERP < 3 Watt	PASS	-
	§27.50(h)(2)	Equivalent Isotropic Radiated Power (Band 7) (Band 41)	EIRP < 2Watt		-
3.5	N/A	Peak-to-Average Ratio	<13 dB	PASS	-
3.6	§2.1049	Occupied Bandwidth	-	Report Only	-
3.7	§2.1051 §27.53(c)(2)(4) §27.53(g)	Conducted Band Edge Measurement (Band 12) (Band 13) (Band 17) (Band 71)	< 43+10log ₁₀ (P[Watts])	PASS	-
	§27.53(m)(4)	Conducted Band Edge Measurement (Band 7) (Band 41)	§27.53(m)(4)		
3.8	§2.1051 §27.53(c)(2) §27.53(g)	Conducted Spurious Emission (Band 12) (Band 13) (Band 17) (Band 71)	< 43+10log ₁₀ (P[Watts])	PASS	-
	§2.1051 §27.53(m)(4)	Conducted Spurious Emission (Band 7) (Band 41)	< 55+10log ₁₀ (P[Watts])		
3.9	§2.1055 §27.54	Frequency Stability Temperature & Voltage	Within Authorized Band	PASS	-
4.4	§2.1053 §27.53(c)(2) §27.53(f) §27.53(g)	Radiated Spurious Emission (Band 12) (Band 13) (Band 17) (Band 71)	< 43+10log ₁₀ (P[Watts])	PASS	Under limit 10.25 dB at 1560.00 MHz
	§2.1053 §27.53(m)(4)	Radiated Spurious Emission (Band 7) (Band 41)	< 55+10log ₁₀ (P[Watts])		

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

VeriFone, Inc.

1400 West Stanford Ranch Road Suite 150 Rocklin CA 95765 USA

1.2 Manufacturer

VeriFone, Inc.

1400 West Stanford Ranch Road Suite 150 Rocklin CA 95765 USA

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Point of Sale Terminal
Brand Name	Verifone or VERIFONE or verifone
Model Name	VM100
FCC ID	B32VM100
SN Code	Conducted: 713-009-541 Radiation: 713-009-567
EUT Stage	Identical Prototype

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	LTE Band 7 : 2500 MHz ~ 2570 MHz LTE Band 12 : 699 MHz ~ 716 MHz LTE Band 13 : 777 MHz ~ 787 MHz LTE Band 17 : 704 MHz ~ 716 MHz LTE Band 41 : 2496 MHz ~ 2690 MHz LTE Band 71: 663 MHz ~ 698 MHz
Rx Frequency	LTE Band 7 : 2620 MHz ~ 2690 MHz LTE Band 12 : 729 MHz ~ 746 MHz LTE Band 13 : 746 MHz ~ 756 MHz LTE Band 17 : 734 MHz ~ 746 MHz LTE Band 41 : 2496 MHz ~ 2690 MHz LTE Band 71: 617 MHz ~ 652 MHz
Bandwidth	LTE Band 7 : 5MHz / 10MHz / 15MHz / 20MHz LTE Band 12 : 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 13 : 5MHz / 10MHz LTE Band 17 : 5MHz / 10MHz LTE Band 41 : 5MHz / 10MHz / 15MHz / 20MHz LTE Band 71 : 5MHz / 10MHz / 15MHz / 20MHz
Maximum Output Power to Antenna	LTE Band 7 : 15.68 dBm LTE Band 12 : 23.47 dBm LTE Band 13 : 23.65 dBm LTE Band 17 : 23.45 dBm LTE Band 41 : 14.75 dBm LTE Band 71 : 23.64 dBm
Antenna Gain	LTE Band 7 : 2.9 dBi LTE Band 12 : -2.6 dBi LTE Band 13 : -2.7 dBi LTE Band 17 : -2.6 dBi LTE Band 41 : 2.9 dBi LTE Band 71 : -2.7 dBi
Type of Modulation	QPSK / 16QAM / 64QAM

1.5 Modification of EUT

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



1.6 Maximum ERP/EIRP and Emission Designator

LTE Band 7		QPSK		16QAM/64QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5	2502.5 ~ 2567.5	0.0706	4M48G7D	0.0536	4M47W7D
10	2505.0 ~ 2565.0	0.0710	9M01G7D	0.0538	8M99W7D
15	2507.5 ~ 2562.5	0.0705	13M4G7D	0.0537	13M5W7D
20	2510.0 ~ 2560.0	0.0721	17M8G7D	0.0551	17M9W7D
LTE Band 12		QPSK		16QAM/64QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
1.4	699.7 ~ 715.3	0.0733	1M09G7D	0.0603	1M09W7D
3	700.5 ~ 714.5	0.0728	2M73G7D	0.0586	2M72W7D
5	701.5 ~ 713.5	0.0719	4M52G7D	0.0587	4M49W7D
10	704.0 ~ 711.0	0.0745	9M01G7D	0.0605	9M01W7D
LTE Band 13		QPSK		16QAM/64QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
5	779.5 ~ 784.5	0.0746	4M48G7D	0.0598	4M49W7D
10	782.0	0.0759	8M97G7D	0.0604	8M89W7D
LTE Band 17		QPSK		16QAM/64QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
5	706.5 ~ 713.5	0.0729	4M52G7D	0.0594	4M49W7D
10	709.0 ~ 711.0	0.0741	9M01G7D	0.0607	9M01W7D
LTE Band 41		QPSK		16QAM/64QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5	2498.5 ~ 2687.5	0.0575	4M48G7D	0.0472	4M49W7D
10	2501.0 ~ 2685.0	0.0569	9M05G7D	0.0473	9M01W7D
15	2503.5 ~ 2682.5	0.0577	13M4G7D	0.0470	13M4W7D
20	2506.0 ~ 2680.0	0.0582	17M9G7D	0.0480	17M8W7D



LTE Band 71		QPSK		16QAM/64QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
5	665.5 ~ 695.5	0.0752	4M49G7D	0.0630	4M49W7D
10	668.0 ~ 693.0	0.0748	9M03G7D	0.0630	9M01W7D
15	670.5 ~ 690.5	0.0741	13M4G7D	0.0632	13M3W7D
20	673.0 ~ 688.0	0.0757	17M7G7D	0.0640	17M8W7D

Note:

1. LTE Band 12 overlaps the entire frequency range of LTE Band 17. Therefore, the test results provided in this report covers Band 12 as well as Band 17.
2. All modulations have been tested, and only the worst test results of PSK & QAM are shown in the report.

1.7 Testing Location

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

Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	03CH04-KS TH01-KS	CN1257	314309

1.8 Test Software

Item	Site	Manufacture	Name	Version
1.	TH01-KS	SPORTON	FCC LTE_Ver2.0 Auto_china_210503	2.0
2.	03CH04-KS	AUDIX	E3	210616



1.9 Applicable Standards

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

- ♦ 47 CFR Part 22(H), 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.

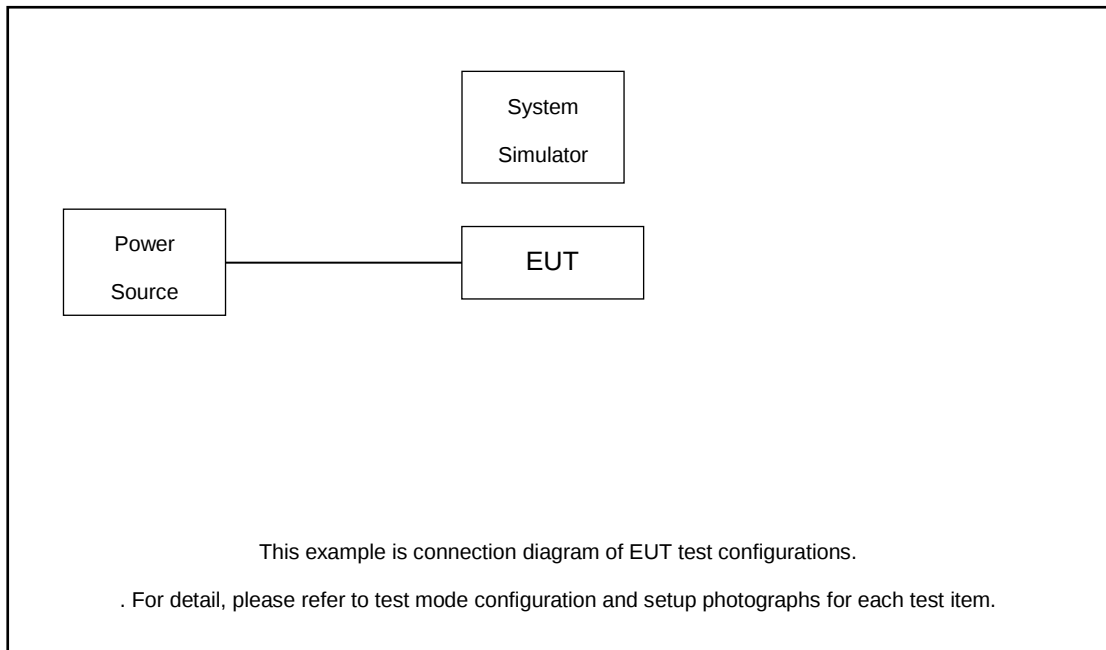
Radiated measurements are performed by rotating the EUT in three different orthogonal test planes to find the maximum emission. (X/Z Plane)

Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Max. Output Power	7	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	12	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v
	13	-	-	v	v	-	-	v	v	v	v	v	v	v	v	v
	17	-	-	v	v	-	-	v	v	v	v	v	v	v	v	v
	41	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	71	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	7	-	-				v	v	v	v			v		v	
	12				v	-	-	v	v	v			v		v	
	13	-	-		v	-	-	v	v	v			v		v	
	41	-	-				v	v	v	v			v		v	
	71	-	-				v	v	v	v			v		v	
26dB and 99% Bandwidth	7	-	-	v	v	v	v	v	v				v		v	
	12	v	v	v	v	-	-	v	v				v		v	
	13	-	-	v	v	-	-	v	v				v		v	
	41	-	-	v	v	v	v	v	v				v		v	
	71	-	-	v	v	v	v	v	v				v		v	
Conducted Band Edge	7	-	-	v	v	v	v	v	v	v	v		v	v		v
	12	v	v	v	v	-	-	v	v	v	v		v	v		v
	13	-	-	v	v	-	-	v	v	v	v		v	v		v
	41	-	-	v	v	v	v	v	v	v	v		v	v		v
	71	-	-	v	v	v	v	v	v	v	v		v	v		v
Conducted Spurious Emission	7	-	-	v	v	v	v	v					v	v	v	v
	12	v	v	v	v	-	-	v					v	v	v	v
	13	-	-	v	v	-	-	v					v	v	v	v
	41	-	-	v	v	v	v	v					v	v	v	v
	71	-	-	v	v	v	v	v					v	v	v	v



Frequency Stability	7	-	-		v			v					v		v	
	12				v	-	-	v					v		v	
	13	-	-		v	-	-	v					v		v	
	41	-	-		v			v					v		v	
	71	-	-		v			v					v		v	
E.R.P / E.I.R.P	7	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	12	v	v	v	v	-	-	v	v	v	v	v	v	v	v	v
	13	-	-	v	v	-	-	v	v	v	v	v	v	v	v	v
	17	-	-	v	v	-	-	v	v	v	v	v	v	v	v	v
	41	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
	71	-	-	v	v	v	v	v	v	v	v	v	v	v	v	v
Radiated Spurious Emission	7	Worst Case												v	v	v
	12	Worst Case												v	v	v
	13	Worst Case												v	v	v
	41	Worst Case												v	v	v
	71	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 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.

Offset = RF cable loss.

Following shows an offset computation example with cable loss 5.8 dB.

Example :

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)}. \\ &= 5.8 \text{ (dB)} \end{aligned}$$

2.5 Frequency List of Low/Middle/High Channels

LTE Band 7 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20850	21100	21350
	Frequency	2510	2535	2560
15	Channel	20825	21100	21375
	Frequency	2507.5	2535	2562.5
10	Channel	20800	21100	21400
	Frequency	2505	2535	2565
5	Channel	20775	21100	21425
	Frequency	2502.5	2535	2567.5

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

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



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

LTE Band 41 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	39750	40620	41490
	Frequency	2506	2593	2680
15	Channel	39725	40620	41515
	Frequency	2503.5	2593	2682.5
10	Channel	39700	40620	41540
	Frequency	2501	2593	2685
5	Channel	39675	40620	41565
	Frequency	2498.5	2593	2687.5

LTE Band 71 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	133222	133322	133372
	Frequency	673.0	680.5	688.0
15	Channel	133197	133297	133397
	Frequency	670.5	680.5	690.5
10	Channel	133172	133272	133422
	Frequency	668.0	678.0	693.0
5	Channel	133147	133247	133447
	Frequency	665.5	675.5	695.5

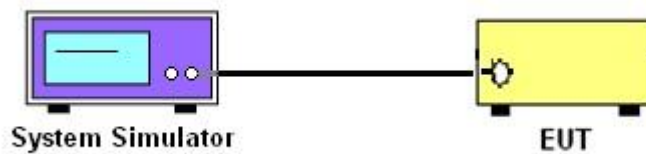
3 Conducted Test Items

3.1 Measuring Instruments

See list of measuring instruments of this test report.

3.2 Test Setup

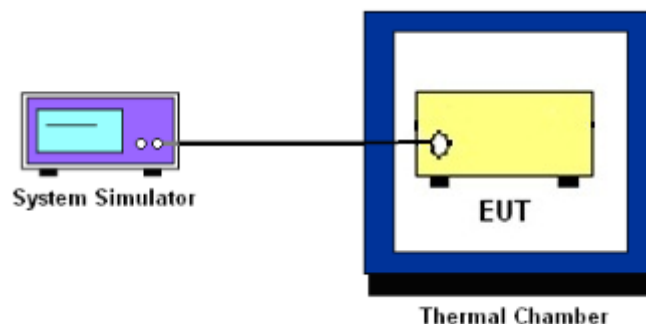
3.2.1 Conducted Output Power



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



3.2.3 Frequency Stability



3.3 Test Result of Conducted Test

Please refer to Appendix A.



3.4 Conducted Output Power and ERP/EIRP

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

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

The ERP of mobile transmitters must not exceed 3 Watts for LTE Band 12, Band 13 and Band 17 and Band 71.

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 7 and Band 41.

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

27.53 (c)

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

27.53 (g)

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

27.53(m)(4)

For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

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 $43 + 10\log(P)$ dB below the transmitter power P(Watts)

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

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

8. For LTE Band 7, 41, the other 40 dB, and 55 dB have additionally applied same calculation above.
9. When using the integration method, the starting frequency of the integration shall be centered at one-half of the RBW away from the band edge.

3.8 Conducted Spurious Emission

3.8.1 Description of Conducted Spurious Emission Measurement

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

For Band 7, 41:

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 $55 + 10 \log (P)$ 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.
11. For Band 7, 41
The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [55 + 10\log(P)]$ (dB)
 $= [30 + 10\log(P)]$ (dBm) - $[55 + 10\log(P)]$ (dB)
 $= -25$ 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

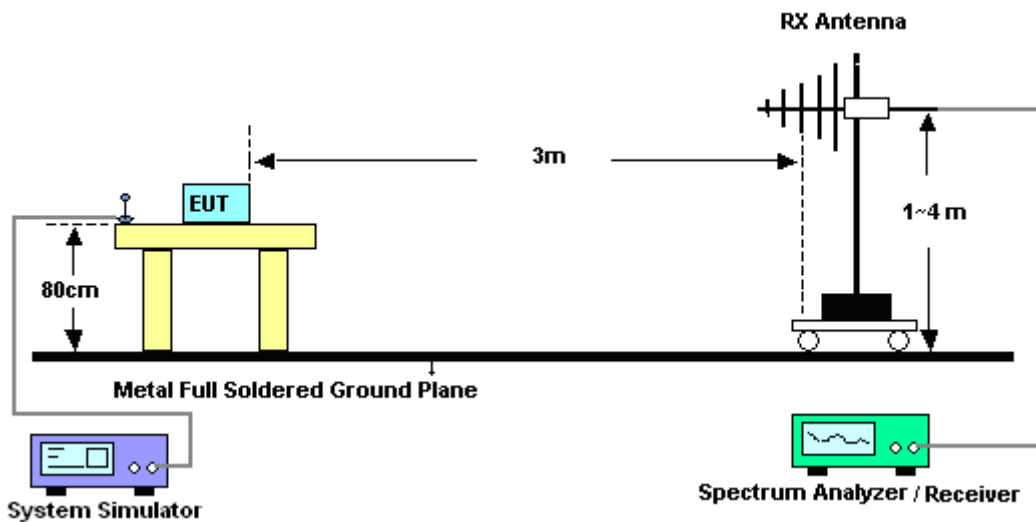
See list of measuring instruments of this test report.

4.2 Test Setup

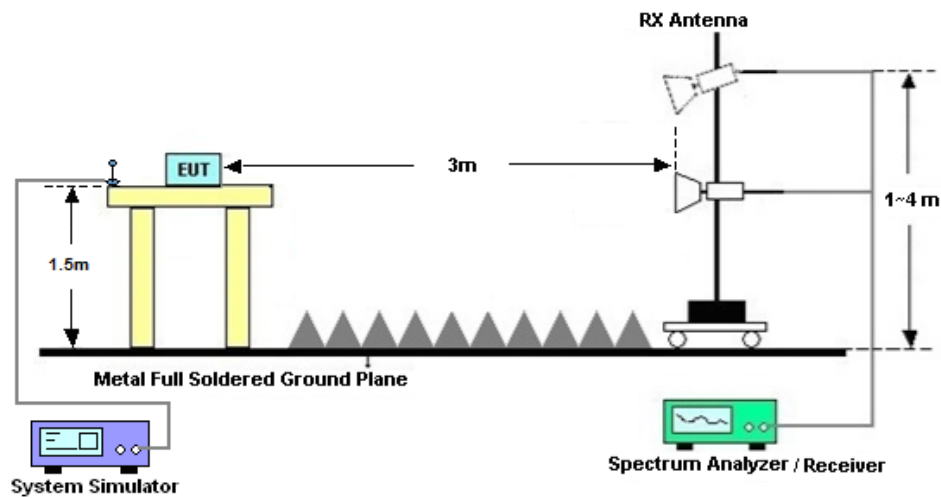
4.2.1 For radiated test below 30MHz



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.

For Band 7, 41

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 $55 + 10 \log (P)$ dB.

For LTE Band 13

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

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

4.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
2. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
6. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
7. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
8. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
9. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
10. $EIRP \text{ (dBm)} = S.G. \text{ Power} - Tx \text{ Cable Loss} + Tx \text{ Antenna Gain}$
11. $ERP \text{ (dBm)} = EIRP - 2.15$
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10\log(P)] \text{ (dB)} = [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)} = -13\text{dBm}.$
13. For Band 7, 41:
The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)



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	Apr. 08, 2025~ Apr. 10, 2025	Oct. 09, 2025	Conducted (TH01-KS)
Power divider	STI	STI08-0055	-	0.5~40GHz	NCR	Apr. 08, 2025~ Apr. 10, 2025	NCR	Conducted (TH01-KS)
Temperature & humidity chamber	Hongzhan	LP-150U	H2014011440	-40~+150°C 20%~95%RH	Jul. 04, 2024	Apr. 08, 2025~ Apr. 10, 2025	Jul. 03, 2025	Conducted (TH01-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55370528	10Hz~44G,MAX 30dB	Oct. 11, 2024	Apr. 11, 2025	Oct. 10, 2025	Radiation (03CH04-KS)
Loop Antenna	R&S	HFH2-Z2E	101125	9kHz~30MHz	Sep. 08, 2024	Apr. 11, 2025	Sep. 07, 2025	Radiation (03CH04-KS)
Bilog Antenna	TeseQ	CBL6111D	44483	30MHz~1GHz	Nov. 23, 2024	Apr. 11, 2025	Nov. 22, 2025	Radiation (03CH04-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00227860	1GHz~18GHz	Aug. 16, 2024	Apr. 11, 2025	Aug. 15, 2025	Radiation (03CH04-KS)
SHF-EHF Horn	Com-power	AH-840	101116	18GHz~40GHz	Oct. 22, 2024	Apr. 11, 2025	Oct. 21, 2025	Radiation (03CH04-KS)
Amplifier	SONOMA	310N	380826	9KHz~1GHz	Jul. 03, 2024	Apr. 11, 2025	Jul. 02, 2025	Radiation (03CH04-KS)
Amplifier	EM	EM18G40G A	060852	18~40GHz	Jan. 03, 2025	Apr. 11, 2025	Jan. 02, 2026	Radiation (03CH04-KS)
high gain Amplifier	EM	EM01G18G A	060840	1Ghz~18Ghz	Oct. 09, 2024	Apr. 11, 2025	Oct. 08, 2025	Radiation (03CH04-KS)
Amplifier	EM	EM01G18G A	060892	1Ghz~18Ghz	Oct. 09, 2024	Apr. 11, 2025	Oct. 08, 2025	Radiation (03CH04-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Apr. 11, 2025	NCR	Radiation (03CH04-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Apr. 11, 2025	NCR	Radiation (03CH04-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Apr. 11, 2025	NCR	Radiation (03CH04-KS)

NCR: No Calibration Required

6 Measurement Uncertainty

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

Uncertainty of Conducted Measurement

Conducted Spurious Emission & Bandedge	±2.22 dB
Occupied Channel Bandwidth	±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))	2.83 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))	2.83 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))	2.82 dB
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----- THE END -----



Appendix A. Test Results of Conducted Test

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

Conducted Output Power(Average power) and ERP/EIRP

LTE Band 7:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)	EIRP(W)	EIRP(W)
Channel				20850	21100	21350	20850	21100	21350
Frequency (MHz)				2510	2535	2560	2510	2535	2560
20	QPSK	1	0	15.50	15.68	15.53	0.0692	0.0721	0.0697
20	QPSK	1	49	15.43	15.56	15.51	0.0681	0.0701	0.0693
20	QPSK	1	99	15.52	15.64	15.54	0.0695	0.0714	0.0698
20	QPSK	50	0	14.66	14.72	14.63	0.0570	0.0578	0.0566
20	QPSK	50	24	14.58	14.65	14.54	0.0560	0.0569	0.0555
20	QPSK	50	50	14.62	14.68	14.56	0.0565	0.0573	0.0557
20	QPSK	100	0	14.60	14.71	14.64	0.0562	0.0577	0.0568
20	16QAM	1	0	14.43	14.51	14.43	0.0541	0.0551	0.0541
20	16QAM	1	49	14.42	14.40	14.43	0.0540	0.0537	0.0541
20	16QAM	1	99	14.44	14.48	14.35	0.0542	0.0547	0.0531
20	16QAM	50	0	13.59	13.65	13.53	0.0446	0.0452	0.0440
20	16QAM	50	24	13.47	13.53	13.41	0.0434	0.0440	0.0428
20	16QAM	50	50	13.42	13.54	13.45	0.0429	0.0441	0.0432
20	16QAM	100	0	14.04	14.16	14.12	0.0494	0.0508	0.0504
20	64QAM	1	0	13.93	13.96	13.85	0.0482	0.0485	0.0473
20	64QAM	1	49	13.75	13.86	13.76	0.0462	0.0474	0.0463
20	64QAM	1	99	13.87	13.91	13.86	0.0475	0.0480	0.0474
20	64QAM	50	0	13.13	13.25	13.18	0.0401	0.0412	0.0406
20	64QAM	50	24	13.04	13.16	13.06	0.0393	0.0404	0.0394
20	64QAM	50	50	13.05	13.13	13.06	0.0394	0.0401	0.0394
20	64QAM	100	0	13.08	13.14	13.02	0.0396	0.0402	0.0391
Channel				20825	21100	21375	20825	21100	21375
Frequency (MHz)				2507.5	2535	2562.5	2507.5	2535	2562.5
15	QPSK	1	0	15.42	15.58	15.38	0.0679	0.0705	0.0673
15	QPSK	1	37	15.32	15.50	15.47	0.0664	0.0692	0.0687
15	QPSK	1	74	15.42	15.55	15.50	0.0679	0.0700	0.0692
15	QPSK	36	0	14.61	14.66	14.51	0.0564	0.0570	0.0551
15	QPSK	36	20	14.48	14.55	14.48	0.0547	0.0556	0.0547
15	QPSK	36	39	14.53	14.56	14.49	0.0553	0.0557	0.0548
15	QPSK	75	0	14.56	14.59	14.53	0.0557	0.0561	0.0553
15	16QAM	1	0	14.37	14.39	14.32	0.0533	0.0536	0.0527



15	16QAM	1	37	14.32	14.31	14.36	0.0527	0.0526	0.0532
15	16QAM	1	74	14.40	14.40	14.27	0.0537	0.0537	0.0521
15	16QAM	36	0	13.48	13.61	13.47	0.0435	0.0448	0.0434
15	16QAM	36	20	13.40	13.48	13.35	0.0427	0.0435	0.0422
15	16QAM	36	39	13.33	13.51	13.38	0.0420	0.0438	0.0425
15	16QAM	75	0	14.01	14.06	14.03	0.0491	0.0497	0.0493
15	64QAM	1	0	13.88	13.89	13.82	0.0476	0.0478	0.0470
15	64QAM	1	37	13.72	13.74	13.67	0.0459	0.0461	0.0454
15	64QAM	1	74	13.84	13.85	13.79	0.0472	0.0473	0.0467
15	64QAM	36	0	13.08	13.15	13.12	0.0396	0.0403	0.0400
15	64QAM	36	20	12.96	13.13	12.99	0.0385	0.0401	0.0388
15	64QAM	36	39	12.99	13.05	13.02	0.0388	0.0394	0.0391
15	64QAM	75	0	12.96	13.09	12.91	0.0385	0.0397	0.0381
Channel				20800	21100	21400	20800	21100	21400
Frequency (MHz)				2505	2535	2565	2505	2535	2565
10	QPSK	1	0	15.42	15.61	15.30	0.0679	0.0710	0.0661
10	QPSK	1	25	15.32	15.49	15.45	0.0664	0.0690	0.0684
10	QPSK	1	49	15.45	15.55	15.46	0.0684	0.0700	0.0685
10	QPSK	25	0	14.54	14.64	14.55	0.0555	0.0568	0.0556
10	QPSK	25	12	14.48	14.52	14.44	0.0547	0.0552	0.0542
10	QPSK	25	25	14.55	14.58	14.44	0.0556	0.0560	0.0542
10	QPSK	50	0	14.53	14.60	14.53	0.0553	0.0562	0.0553
10	16QAM	1	0	14.34	14.41	14.37	0.0530	0.0538	0.0533
10	16QAM	1	25	14.33	14.27	14.31	0.0528	0.0521	0.0526
10	16QAM	1	49	14.41	14.40	14.27	0.0538	0.0537	0.0521
10	16QAM	25	0	13.53	13.53	13.47	0.0440	0.0440	0.0434
10	16QAM	25	12	13.36	13.43	13.34	0.0423	0.0430	0.0421
10	16QAM	25	25	13.31	13.44	13.41	0.0418	0.0431	0.0428
10	16QAM	50	0	13.94	14.09	14.02	0.0483	0.0500	0.0492
10	64QAM	1	0	13.88	13.87	13.81	0.0476	0.0475	0.0469
10	64QAM	1	25	13.67	13.73	13.64	0.0454	0.0460	0.0451
10	64QAM	1	49	13.76	13.81	13.81	0.0463	0.0469	0.0469
10	64QAM	25	0	13.02	13.21	13.13	0.0391	0.0408	0.0401
10	64QAM	25	12	12.97	13.08	13.02	0.0386	0.0396	0.0391
10	64QAM	25	25	12.97	13.04	13.03	0.0386	0.0393	0.0392
10	64QAM	50	0	13.02	13.02	12.96	0.0391	0.0391	0.0385
Channel				20775	21100	21425	20775	21100	21425
Frequency (MHz)				2502.5	2535	2567.5	2502.5	2535	2567.5
5	QPSK	1	0	15.41	15.58	15.31	0.0678	0.0705	0.0662
5	QPSK	1	12	15.35	15.52	15.41	0.0668	0.0695	0.0678
5	QPSK	1	24	15.46	15.59	15.48	0.0685	0.0706	0.0689
5	QPSK	12	0	14.53	14.61	14.60	0.0553	0.0564	0.0562
5	QPSK	12	7	14.47	14.53	14.42	0.0546	0.0553	0.0540
5	QPSK	12	13	14.53	14.63	14.43	0.0553	0.0566	0.0541
5	QPSK	25	0	14.51	14.64	14.55	0.0551	0.0568	0.0556
5	16QAM	1	0	14.32	14.39	14.38	0.0527	0.0536	0.0535
5	16QAM	1	12	14.33	14.34	14.32	0.0528	0.0530	0.0527



5	16QAM	1	24	14.37	14.36	14.28	0.0533	0.0532	0.0522
5	16QAM	12	0	13.52	13.61	13.41	0.0439	0.0448	0.0428
5	16QAM	12	7	13.41	13.49	13.31	0.0428	0.0436	0.0418
5	16QAM	12	13	13.39	13.41	13.41	0.0426	0.0428	0.0428
5	16QAM	25	0	13.91	14.04	14.05	0.0480	0.0494	0.0495
5	64QAM	1	0	13.85	13.93	13.74	0.0473	0.0482	0.0461
5	64QAM	1	12	13.71	13.82	13.73	0.0458	0.0470	0.0460
5	64QAM	1	24	13.82	13.84	13.79	0.0470	0.0472	0.0467
5	64QAM	12	0	13.03	13.17	13.11	0.0392	0.0405	0.0399
5	64QAM	12	7	12.97	13.04	12.93	0.0386	0.0393	0.0383
5	64QAM	12	13	12.94	13.09	13.01	0.0384	0.0397	0.0390
5	64QAM	25	0	12.99	13.10	12.94	0.0388	0.0398	0.0384

LTE Band 12:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)	ERP(W)	ERP(W)
Channel				23060	23095	23130	23060	23095	23130
Frequency (MHz)				704	707.5	711	704	707.5	711
10	QPSK	1	0	23.41	23.47	23.44	0.0735	0.0745	0.0740
10	QPSK	1	25	23.28	23.42	23.31	0.0713	0.0736	0.0718
10	QPSK	1	49	23.18	23.32	23.19	0.0697	0.0719	0.0698
10	QPSK	25	0	22.56	22.75	22.72	0.0604	0.0631	0.0627
10	QPSK	25	12	22.51	22.61	22.50	0.0597	0.0611	0.0596
10	QPSK	25	25	22.49	22.58	22.51	0.0594	0.0607	0.0597
10	QPSK	50	0	22.48	22.68	22.66	0.0593	0.0621	0.0618
10	16QAM	1	0	22.45	22.57	22.47	0.0589	0.0605	0.0592
10	16QAM	1	25	22.42	22.45	22.42	0.0585	0.0589	0.0585
10	16QAM	1	49	22.50	22.50	22.42	0.0596	0.0596	0.0585
10	16QAM	25	0	21.43	21.56	21.43	0.0466	0.0480	0.0466
10	16QAM	25	12	21.47	21.42	21.42	0.0470	0.0465	0.0465
10	16QAM	25	25	21.48	21.43	21.49	0.0471	0.0466	0.0472
10	16QAM	50	0	21.48	21.59	21.51	0.0471	0.0483	0.0474
10	64QAM	1	0	21.39	21.48	21.40	0.0461	0.0471	0.0462
10	64QAM	1	25	21.36	21.35	21.38	0.0458	0.0457	0.0460
10	64QAM	1	49	21.40	21.36	21.42	0.0462	0.0458	0.0465
10	64QAM	25	0	20.46	20.52	20.44	0.0372	0.0378	0.0371
10	64QAM	25	12	20.42	20.43	20.47	0.0369	0.0370	0.0373
10	64QAM	25	25	20.45	20.45	20.42	0.0372	0.0372	0.0369
10	64QAM	50	0	20.37	20.57	20.37	0.0365	0.0382	0.0365
Channel				23035	23095	23155	23035	23095	23155
Frequency (MHz)				701.5	707.5	713.5	701.5	707.5	713.5
5	QPSK	1	0	23.29	23.32	23.29	0.0714	0.0719	0.0714
5	QPSK	1	12	23.17	23.28	23.19	0.0695	0.0713	0.0698
5	QPSK	1	24	23.13	23.18	23.11	0.0689	0.0697	0.0685
5	QPSK	12	0	22.48	22.64	22.63	0.0593	0.0615	0.0614
5	QPSK	12	7	22.40	22.52	22.36	0.0582	0.0598	0.0577



5	QPSK	12	13	22.39	22.53	22.39	0.0581	0.0600	0.0581
5	QPSK	25	0	22.42	22.57	22.52	0.0585	0.0605	0.0598
5	16QAM	1	0	22.36	22.43	22.40	0.0577	0.0586	0.0582
5	16QAM	1	12	22.28	22.39	22.31	0.0566	0.0581	0.0570
5	16QAM	1	24	22.35	22.44	22.28	0.0575	0.0587	0.0566
5	16QAM	12	0	21.29	21.44	21.31	0.0451	0.0467	0.0453
5	16QAM	12	7	21.42	21.31	21.29	0.0465	0.0453	0.0451
5	16QAM	12	13	21.39	21.32	21.37	0.0461	0.0454	0.0459
5	16QAM	25	0	21.33	21.48	21.44	0.0455	0.0471	0.0467
5	64QAM	1	0	21.32	21.36	21.26	0.0454	0.0458	0.0448
5	64QAM	1	12	21.23	21.21	21.26	0.0445	0.0443	0.0448
5	64QAM	1	24	21.27	21.29	21.36	0.0449	0.0451	0.0458
5	64QAM	12	0	20.35	20.46	20.35	0.0363	0.0372	0.0363
5	64QAM	12	7	20.34	20.29	20.41	0.0362	0.0358	0.0368
5	64QAM	12	13	20.36	20.37	20.35	0.0364	0.0365	0.0363
5	64QAM	25	0	20.28	20.48	20.28	0.0357	0.0374	0.0357
Channel				23025	23095	23165	23025	23095	23165
Frequency (MHz)				700.5	707.5	714.5	700.5	707.5	714.5
3	QPSK	1	0	23.27	23.34	23.37	0.0711	0.0723	0.0728
3	QPSK	1	8	23.20	23.29	23.20	0.0700	0.0714	0.0700
3	QPSK	1	14	23.05	23.20	23.14	0.0676	0.0700	0.0690
3	QPSK	8	0	22.48	22.68	22.62	0.0593	0.0621	0.0612
3	QPSK	8	4	22.40	22.49	22.38	0.0582	0.0594	0.0579
3	QPSK	8	7	22.43	22.52	22.37	0.0586	0.0598	0.0578
3	QPSK	15	0	22.37	22.61	22.59	0.0578	0.0611	0.0608
3	16QAM	1	0	22.40	22.43	22.36	0.0582	0.0586	0.0577
3	16QAM	1	8	22.37	22.39	22.34	0.0578	0.0581	0.0574
3	16QAM	1	14	22.40	22.35	22.33	0.0582	0.0575	0.0573
3	16QAM	8	0	21.37	21.45	21.37	0.0459	0.0468	0.0459
3	16QAM	8	4	21.40	21.29	21.29	0.0462	0.0451	0.0451
3	16QAM	8	7	21.34	21.30	21.41	0.0456	0.0452	0.0463
3	16QAM	15	0	21.37	21.52	21.37	0.0459	0.0475	0.0459
3	64QAM	1	0	21.27	21.38	21.29	0.0449	0.0460	0.0451
3	64QAM	1	8	21.29	21.30	21.32	0.0451	0.0452	0.0454
3	64QAM	1	14	21.29	21.23	21.36	0.0451	0.0445	0.0458
3	64QAM	8	0	20.35	20.39	20.32	0.0363	0.0366	0.0361
3	64QAM	8	4	20.34	20.33	20.37	0.0362	0.0361	0.0365
3	64QAM	8	7	20.35	20.31	20.28	0.0363	0.0360	0.0357
3	64QAM	15	0	20.31	20.50	20.30	0.0360	0.0376	0.0359
Channel				23017	23095	23173	23017	23095	23173
Frequency (MHz)				699.7	707.5	715.3	699.7	707.5	715.3
1.4	QPSK	1	0	23.37	23.40	23.35	0.0728	0.0733	0.0724
1.4	QPSK	1	3	23.18	23.38	23.22	0.0697	0.0729	0.0703
1.4	QPSK	1	5	23.11	23.24	23.07	0.0685	0.0706	0.0679
1.4	QPSK	3	0	23.32	23.36	23.33	0.0719	0.0726	0.0721
1.4	QPSK	3	1	23.19	23.30	23.24	0.0698	0.0716	0.0706
1.4	QPSK	3	3	23.06	23.19	23.07	0.0678	0.0698	0.0679



1.4	QPSK	6	0	22.44	22.63	22.61	0.0587	0.0614	0.0611
1.4	16QAM	1	0	22.40	22.54	22.37	0.0582	0.0601	0.0578
1.4	16QAM	1	3	22.31	22.38	22.33	0.0570	0.0579	0.0573
1.4	16QAM	1	5	22.39	22.38	22.35	0.0581	0.0579	0.0575
1.4	16QAM	3	0	22.37	22.51	22.41	0.0578	0.0597	0.0583
1.4	16QAM	3	1	22.39	22.55	22.55	0.0581	0.0603	0.0603
1.4	16QAM	3	3	22.38	22.53	22.34	0.0579	0.0600	0.0574
1.4	16QAM	6	0	21.39	21.47	21.45	0.0461	0.0470	0.0468
1.4	64QAM	1	0	21.27	21.41	21.29	0.0449	0.0463	0.0451
1.4	64QAM	1	3	21.26	21.32	21.27	0.0448	0.0454	0.0449
1.4	64QAM	1	5	21.30	21.31	21.31	0.0452	0.0453	0.0453
1.4	64QAM	3	0	21.42	21.39	21.42	0.0465	0.0461	0.0465
1.4	64QAM	3	1	21.41	21.52	21.45	0.0463	0.0475	0.0468
1.4	64QAM	3	3	21.35	21.41	21.28	0.0457	0.0463	0.0450
1.4	64QAM	6	0	20.27	20.44	20.25	0.0356	0.0371	0.0355

LTE Band 13:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)	ERP(W)	ERP(W)
Channel				23230			23230		
Frequency (MHz)				782			782		
10	QPSK	1	0		23.65			0.0759	
10	QPSK	1	25		23.51			0.0735	
10	QPSK	1	49		23.42			0.0719	
10	QPSK	25	0		22.74			0.0615	
10	QPSK	25	12		22.73			0.0614	
10	QPSK	25	25		22.69			0.0608	
10	QPSK	50	0		22.76			0.0618	
10	16QAM	1	0		22.66			0.0604	
10	16QAM	1	25		22.60			0.0596	
10	16QAM	1	49		22.60			0.0596	
10	16QAM	25	0		21.56			0.0469	
10	16QAM	25	12		21.49			0.0461	
10	16QAM	25	25		21.48			0.0460	
10	16QAM	50	0		21.53			0.0466	
10	64QAM	1	0		21.63			0.0476	
10	64QAM	1	25		21.59			0.0472	
10	64QAM	1	49		21.57			0.0470	
10	64QAM	25	0		20.67			0.0382	
10	64QAM	25	12		20.59			0.0375	
10	64QAM	25	25		20.60			0.0376	
10	64QAM	50	0		20.61			0.0377	
Channel				23205	23230	23255	23205	23230	23255
Frequency (MHz)				779.5	782	784.5	779.5	782	784.5
5	QPSK	1	0	23.53	23.54	23.58	0.0738	0.0740	0.0746
5	QPSK	1	12	23.39	23.38	23.45	0.0714	0.0713	0.0724



5	QPSK	1	24	23.39	23.39	23.36	0.0714	0.0714	0.0710
5	QPSK	12	0	22.61	22.67	22.66	0.0597	0.0605	0.0604
5	QPSK	12	7	22.67	22.69	22.62	0.0605	0.0608	0.0598
5	QPSK	12	13	22.59	22.56	22.64	0.0594	0.0590	0.0601
5	QPSK	25	0	22.64	22.70	22.65	0.0601	0.0610	0.0603
5	16QAM	1	0	22.62	22.57	22.53	0.0598	0.0592	0.0586
5	16QAM	1	12	22.57	22.52	22.55	0.0592	0.0585	0.0589
5	16QAM	1	24	22.57	22.56	22.52	0.0592	0.0590	0.0585
5	16QAM	12	0	21.50	21.45	21.49	0.0462	0.0457	0.0461
5	16QAM	12	7	21.44	21.38	21.41	0.0456	0.0450	0.0453
5	16QAM	12	13	21.45	21.37	21.36	0.0457	0.0449	0.0448
5	16QAM	25	0	21.49	21.42	21.40	0.0461	0.0454	0.0452
5	64QAM	1	0	21.54	21.51	21.54	0.0467	0.0463	0.0467
5	64QAM	1	12	21.52	21.54	21.51	0.0465	0.0467	0.0463
5	64QAM	1	24	21.54	21.47	21.46	0.0467	0.0459	0.0458
5	64QAM	12	0	20.58	20.60	20.57	0.0374	0.0376	0.0373
5	64QAM	12	7	20.48	20.54	20.50	0.0366	0.0371	0.0367
5	64QAM	12	13	20.51	20.55	20.48	0.0368	0.0372	0.0366
5	64QAM	25	0	20.49	20.55	20.53	0.0366	0.0372	0.0370

LTE Band 17:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)	ERP(W)	ERP(W)
Channel				23780	23790	23800	23780	23790	23800
Frequency (MHz)				709	710	711	709	710	711
10	QPSK	1	0	23.42	23.45	23.22	0.0736	0.0741	0.0703
10	QPSK	1	25	23.28	23.38	23.32	0.0713	0.0729	0.0719
10	QPSK	1	49	23.29	23.36	23.27	0.0714	0.0726	0.0711
10	QPSK	25	0	22.52	22.57	22.55	0.0598	0.0605	0.0603
10	QPSK	25	12	22.40	22.53	22.45	0.0582	0.0600	0.0589
10	QPSK	25	25	22.34	22.43	22.33	0.0574	0.0586	0.0573
10	QPSK	50	0	22.55	22.56	22.52	0.0603	0.0604	0.0598
10	16QAM	1	0	22.55	22.58	22.48	0.0603	0.0607	0.0593
10	16QAM	1	25	22.54	22.47	22.48	0.0601	0.0592	0.0593
10	16QAM	1	49	22.52	22.52	22.48	0.0598	0.0598	0.0593
10	16QAM	25	0	21.42	21.47	21.37	0.0465	0.0470	0.0459
10	16QAM	25	12	21.37	21.38	21.42	0.0459	0.0460	0.0465
10	16QAM	25	25	21.38	21.36	21.35	0.0460	0.0458	0.0457
10	16QAM	50	0	21.37	21.59	21.42	0.0459	0.0483	0.0465
10	64QAM	1	0	21.30	21.36	21.31	0.0452	0.0458	0.0453
10	64QAM	1	25	21.30	21.33	21.25	0.0452	0.0455	0.0447
10	64QAM	1	49	21.32	21.31	21.30	0.0454	0.0453	0.0452
10	64QAM	25	0	20.40	20.52	20.49	0.0367	0.0378	0.0375
10	64QAM	25	12	20.42	20.43	20.41	0.0369	0.0370	0.0368
10	64QAM	25	25	20.42	20.47	20.42	0.0369	0.0373	0.0369
10	64QAM	50	0	20.40	20.47	20.41	0.0367	0.0373	0.0368



Channel				23755	23790	23825	23755	23790	23825
Frequency (MHz)				706.5	710	713.5	706.5	710	713.5
5	QPSK	1	0	23.35	23.38	23.11	0.0724	0.0729	0.0685
5	QPSK	1	12	23.18	23.34	23.21	0.0697	0.0723	0.0701
5	QPSK	1	24	23.20	23.26	23.21	0.0700	0.0710	0.0701
5	QPSK	12	0	22.40	22.52	22.43	0.0582	0.0598	0.0586
5	QPSK	12	7	22.33	22.43	22.42	0.0573	0.0586	0.0585
5	QPSK	12	13	22.24	22.34	22.27	0.0561	0.0574	0.0565
5	QPSK	25	0	22.51	22.47	22.43	0.0597	0.0592	0.0586
5	16QAM	1	0	22.43	22.49	22.41	0.0586	0.0594	0.0583
5	16QAM	1	12	22.45	22.42	22.38	0.0589	0.0585	0.0579
5	16QAM	1	24	22.40	22.49	22.36	0.0582	0.0594	0.0577
5	16QAM	12	0	21.35	21.38	21.26	0.0457	0.0460	0.0448
5	16QAM	12	7	21.31	21.33	21.38	0.0453	0.0455	0.0460
5	16QAM	12	13	21.27	21.27	21.24	0.0449	0.0449	0.0446
5	16QAM	25	0	21.28	21.54	21.31	0.0450	0.0478	0.0453
5	64QAM	1	0	21.22	21.27	21.28	0.0444	0.0449	0.0450
5	64QAM	1	12	21.22	21.30	21.19	0.0444	0.0452	0.0441
5	64QAM	1	24	21.29	21.19	21.22	0.0451	0.0441	0.0444
5	64QAM	12	0	20.29	20.44	20.36	0.0358	0.0371	0.0364
5	64QAM	12	7	20.39	20.40	20.33	0.0366	0.0367	0.0361
5	64QAM	12	13	20.30	20.35	20.32	0.0359	0.0363	0.0361
5	64QAM	25	0	20.37	20.38	20.37	0.0365	0.0366	0.0365

LTE Band 41:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)	EIRP(W)	EIRP(W)
Channel				39750	40620	41490	39750	40620	41490
Frequency (MHz)				2506	2593	2680	2506	2593	2680
20	QPSK	1	0	14.38	14.60	14.75	0.0535	0.0562	0.0582
20	QPSK	1	49	14.61	14.63	14.67	0.0564	0.0566	0.0571
20	QPSK	1	99	14.50	14.60	14.63	0.0550	0.0562	0.0566
20	QPSK	50	0	13.65	13.64	13.75	0.0452	0.0451	0.0462
20	QPSK	50	24	13.54	13.60	13.66	0.0441	0.0447	0.0453
20	QPSK	50	50	13.58	13.61	13.69	0.0445	0.0448	0.0456
20	QPSK	100	0	13.55	13.61	13.65	0.0442	0.0448	0.0452
20	16QAM	1	0	13.79	13.82	13.91	0.0467	0.0470	0.0480
20	16QAM	1	49	13.76	13.71	13.82	0.0463	0.0458	0.0470
20	16QAM	1	99	13.80	13.81	13.88	0.0468	0.0469	0.0476
20	16QAM	50	0	13.07	13.07	13.11	0.0395	0.0395	0.0399
20	16QAM	50	24	12.90	12.98	13.02	0.0380	0.0387	0.0391
20	16QAM	50	50	13.01	12.93	13.05	0.0390	0.0383	0.0394
20	16QAM	100	0	13.01	12.99	13.08	0.0390	0.0388	0.0396
20	64QAM	1	0	12.71	12.71	12.78	0.0364	0.0364	0.0370
20	64QAM	1	49	12.62	12.60	12.67	0.0356	0.0355	0.0361
20	64QAM	1	99	12.66	12.63	12.69	0.0360	0.0357	0.0362



20	64QAM	50	0	11.84	11.82	11.91	0.0298	0.0296	0.0303
20	64QAM	50	24	11.82	11.79	11.87	0.0296	0.0294	0.0300
20	64QAM	50	50	11.78	11.74	11.82	0.0294	0.0291	0.0296
20	64QAM	100	0	11.69	11.69	11.78	0.0288	0.0288	0.0294
Channel				39725	40620	41515	39725	40620	41515
Frequency (MHz)				2503.5	2593	2682.5	2503.5	2593	2682.5
15	QPSK	1	0	14.28	14.48	14.71	0.0522	0.0547	0.0577
15	QPSK	1	37	14.48	14.58	14.61	0.0547	0.0560	0.0564
15	QPSK	1	74	14.41	14.52	14.56	0.0538	0.0552	0.0557
15	QPSK	36	0	13.56	13.54	13.67	0.0443	0.0441	0.0454
15	QPSK	36	20	13.50	13.49	13.55	0.0437	0.0436	0.0442
15	QPSK	36	39	13.52	13.56	13.58	0.0439	0.0443	0.0445
15	QPSK	75	0	13.50	13.48	13.54	0.0437	0.0435	0.0441
15	16QAM	1	0	13.72	13.74	13.82	0.0459	0.0461	0.0470
15	16QAM	1	37	13.67	13.68	13.78	0.0454	0.0455	0.0466
15	16QAM	1	74	13.71	13.74	13.76	0.0458	0.0461	0.0463
15	16QAM	36	0	12.98	13.02	13.07	0.0387	0.0391	0.0395
15	16QAM	36	20	12.78	12.93	12.93	0.0370	0.0383	0.0383
15	16QAM	36	39	12.91	12.82	12.98	0.0381	0.0373	0.0387
15	16QAM	75	0	12.89	12.88	13.02	0.0379	0.0378	0.0391
15	64QAM	1	0	12.68	12.65	12.70	0.0361	0.0359	0.0363
15	64QAM	1	37	12.52	12.49	12.58	0.0348	0.0346	0.0353
15	64QAM	1	74	12.61	12.58	12.60	0.0356	0.0353	0.0355
15	64QAM	36	0	11.77	11.70	11.86	0.0293	0.0288	0.0299
15	64QAM	36	20	11.78	11.74	11.79	0.0294	0.0291	0.0294
15	64QAM	36	39	11.69	11.61	11.76	0.0288	0.0282	0.0292
15	64QAM	75	0	11.64	11.59	11.70	0.0284	0.0281	0.0288
Channel				39700	40620	41540	39700	40620	41540
Frequency (MHz)				2501	2593	2685	2501	2593	2685
10	QPSK	1	0	14.34	14.53	14.65	0.0530	0.0553	0.0569
10	QPSK	1	25	14.55	14.55	14.58	0.0556	0.0556	0.0560
10	QPSK	1	49	14.38	14.52	14.56	0.0535	0.0552	0.0557
10	QPSK	25	0	13.60	13.55	13.71	0.0447	0.0442	0.0458
10	QPSK	25	12	13.46	13.55	13.54	0.0433	0.0442	0.0441
10	QPSK	25	25	13.46	13.54	13.59	0.0433	0.0441	0.0446
10	QPSK	50	0	13.43	13.55	13.53	0.0430	0.0442	0.0440
10	16QAM	1	0	13.75	13.73	13.85	0.0462	0.0460	0.0473
10	16QAM	1	25	13.68	13.61	13.70	0.0455	0.0448	0.0457
10	16QAM	1	49	13.74	13.77	13.77	0.0461	0.0465	0.0465
10	16QAM	25	0	13.02	13.03	13.05	0.0391	0.0392	0.0394
10	16QAM	25	12	12.80	12.93	12.90	0.0372	0.0383	0.0380
10	16QAM	25	25	12.90	12.86	12.96	0.0380	0.0377	0.0385
10	16QAM	50	0	12.97	12.87	12.99	0.0386	0.0378	0.0388
10	64QAM	1	0	12.68	12.58	12.65	0.0361	0.0353	0.0359
10	64QAM	1	25	12.54	12.52	12.61	0.0350	0.0348	0.0356
10	64QAM	1	49	12.56	12.52	12.60	0.0352	0.0348	0.0355
10	64QAM	25	0	11.75	11.73	11.85	0.0292	0.0290	0.0299
10	64QAM	25	12	11.70	11.74	11.79	0.0288	0.0291	0.0294



10	64QAM	25	25	11.71	11.65	11.70	0.0289	0.0285	0.0288
10	64QAM	50	0	11.63	11.63	11.74	0.0284	0.0284	0.0291
Channel				39675	40620	41565	39675	40620	41565
Frequency (MHz)				2498.5	2593	2687.5	2498.5	2593	2687.5
5	QPSK	1	0	14.27	14.54	14.70	0.0521	0.0555	0.0575
5	QPSK	1	12	14.52	14.52	14.64	0.0552	0.0552	0.0568
5	QPSK	1	24	14.45	14.51	14.51	0.0543	0.0551	0.0551
5	QPSK	12	0	13.61	13.60	13.71	0.0448	0.0447	0.0458
5	QPSK	12	7	13.50	13.55	13.60	0.0437	0.0442	0.0447
5	QPSK	12	13	13.53	13.49	13.59	0.0440	0.0436	0.0446
5	QPSK	25	0	13.52	13.50	13.59	0.0439	0.0437	0.0446
5	16QAM	1	0	13.69	13.78	13.80	0.0456	0.0466	0.0468
5	16QAM	1	12	13.69	13.64	13.78	0.0456	0.0451	0.0466
5	16QAM	1	24	13.71	13.70	13.84	0.0458	0.0457	0.0472
5	16QAM	12	0	12.98	13.00	13.07	0.0387	0.0389	0.0395
5	16QAM	12	7	12.85	12.93	12.96	0.0376	0.0383	0.0385
5	16QAM	12	13	12.92	12.87	12.99	0.0382	0.0378	0.0388
5	16QAM	25	0	12.91	12.96	12.95	0.0381	0.0385	0.0385
5	64QAM	1	0	12.60	12.65	12.75	0.0355	0.0359	0.0367
5	64QAM	1	12	12.55	12.53	12.63	0.0351	0.0349	0.0357
5	64QAM	1	24	12.53	12.53	12.62	0.0349	0.0349	0.0356
5	64QAM	12	0	11.79	11.76	11.81	0.0294	0.0292	0.0296
5	64QAM	12	7	11.75	11.75	11.83	0.0292	0.0292	0.0297
5	64QAM	12	13	11.69	11.64	11.76	0.0288	0.0284	0.0292
5	64QAM	25	0	11.62	11.61	11.74	0.0283	0.0282	0.0291

LTE Band 71:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	ERP(W)	ERP(W)	ERP(W)
Channel				133222	133322	133372	133222	133322	133372
Frequency (MHz)				673	683	688	673	683	688
20	QPSK	1	0	23.17	23.64	23.56	0.0679	0.0757	0.0743
20	QPSK	1	49	23.50	23.54	23.49	0.0733	0.0740	0.0731
20	QPSK	1	99	23.34	23.43	23.31	0.0706	0.0721	0.0701
20	QPSK	50	0	22.51	22.72	22.58	0.0583	0.0612	0.0593
20	QPSK	50	24	22.46	22.56	22.44	0.0577	0.0590	0.0574
20	QPSK	50	50	22.52	22.57	22.47	0.0585	0.0592	0.0578
20	QPSK	100	0	22.52	22.61	22.54	0.0585	0.0597	0.0587
20	16QAM	1	0	22.83	22.91	22.82	0.0628	0.0640	0.0627
20	16QAM	1	49	22.87	22.82	22.87	0.0634	0.0627	0.0634
20	16QAM	1	99	22.78	22.79	22.82	0.0621	0.0622	0.0627
20	16QAM	50	0	21.59	21.71	21.60	0.0472	0.0485	0.0473
20	16QAM	50	24	21.60	21.61	21.63	0.0473	0.0474	0.0476
20	16QAM	50	50	21.66	21.64	21.65	0.0480	0.0478	0.0479
20	16QAM	100	0	21.61	21.58	21.60	0.0474	0.0471	0.0473
20	64QAM	1	0	21.68	21.73	21.64	0.0482	0.0488	0.0478
20	64QAM	1	49	21.58	21.60	21.66	0.0471	0.0473	0.0480



20	64QAM	1	99	21.65	21.67	21.62	0.0479	0.0481	0.0475
20	64QAM	50	0	20.47	20.56	20.51	0.0365	0.0372	0.0368
20	64QAM	50	24	20.50	20.53	20.48	0.0367	0.0370	0.0366
20	64QAM	50	50	20.52	20.46	20.45	0.0369	0.0364	0.0363
20	64QAM	100	0	20.52	20.64	20.51	0.0369	0.0379	0.0368
Channel				133197	133297	133397	133197	133297	133397
Frequency (MHz)				670.5	680.5	690.5	670.5	680.5	690.5
15	QPSK	1	0	23.04	23.55	23.52	0.0659	0.0741	0.0736
15	QPSK	1	37	23.45	23.51	23.39	0.0724	0.0735	0.0714
15	QPSK	1	74	23.22	23.32	23.20	0.0687	0.0703	0.0684
15	QPSK	36	0	22.43	22.63	22.52	0.0573	0.0600	0.0585
15	QPSK	36	20	22.36	22.49	22.39	0.0564	0.0581	0.0568
15	QPSK	36	39	22.45	22.53	22.34	0.0575	0.0586	0.0561
15	QPSK	75	0	22.44	22.52	22.42	0.0574	0.0585	0.0571
15	16QAM	1	0	22.75	22.86	22.79	0.0617	0.0632	0.0622
15	16QAM	1	37	22.80	22.71	22.79	0.0624	0.0611	0.0622
15	16QAM	1	74	22.66	22.68	22.77	0.0604	0.0607	0.0619
15	16QAM	36	0	21.54	21.64	21.49	0.0467	0.0478	0.0461
15	16QAM	36	20	21.54	21.54	21.50	0.0467	0.0467	0.0462
15	16QAM	36	39	21.63	21.55	21.60	0.0476	0.0468	0.0473
15	16QAM	75	0	21.52	21.54	21.48	0.0465	0.0467	0.0460
15	64QAM	1	0	21.61	21.64	21.58	0.0474	0.0478	0.0471
15	64QAM	1	37	21.52	21.57	21.53	0.0465	0.0470	0.0466
15	64QAM	1	74	21.60	21.58	21.54	0.0473	0.0471	0.0467
15	64QAM	36	0	20.36	20.47	20.42	0.0356	0.0365	0.0361
15	64QAM	36	20	20.46	20.44	20.36	0.0364	0.0362	0.0356
15	64QAM	36	39	20.40	20.35	20.42	0.0359	0.0355	0.0361
15	64QAM	75	0	20.44	20.54	20.46	0.0362	0.0371	0.0364
Channel				133172	133272	133422	133172	133272	133422
Frequency (MHz)				668	678	693	668	678	693
10	QPSK	1	0	23.11	23.59	23.49	0.0670	0.0748	0.0731
10	QPSK	1	25	23.42	23.46	23.42	0.0719	0.0726	0.0719
10	QPSK	1	49	23.29	23.40	23.19	0.0698	0.0716	0.0682
10	QPSK	25	0	22.45	22.69	22.49	0.0575	0.0608	0.0581
10	QPSK	25	12	22.37	22.48	22.35	0.0565	0.0579	0.0562
10	QPSK	25	25	22.43	22.52	22.44	0.0573	0.0585	0.0574
10	QPSK	50	0	22.47	22.51	22.42	0.0578	0.0583	0.0571
10	16QAM	1	0	22.79	22.84	22.69	0.0622	0.0630	0.0608
10	16QAM	1	25	22.78	22.74	22.77	0.0621	0.0615	0.0619
10	16QAM	1	49	22.75	22.75	22.76	0.0617	0.0617	0.0618
10	16QAM	25	0	21.48	21.64	21.56	0.0460	0.0478	0.0469
10	16QAM	25	12	21.54	21.55	21.50	0.0467	0.0468	0.0462
10	16QAM	25	25	21.62	21.56	21.55	0.0475	0.0469	0.0468
10	16QAM	50	0	21.48	21.49	21.52	0.0460	0.0461	0.0465
10	64QAM	1	0	21.59	21.66	21.61	0.0472	0.0480	0.0474
10	64QAM	1	25	21.55	21.55	21.57	0.0468	0.0468	0.0470
10	64QAM	1	49	21.57	21.61	21.58	0.0470	0.0474	0.0471



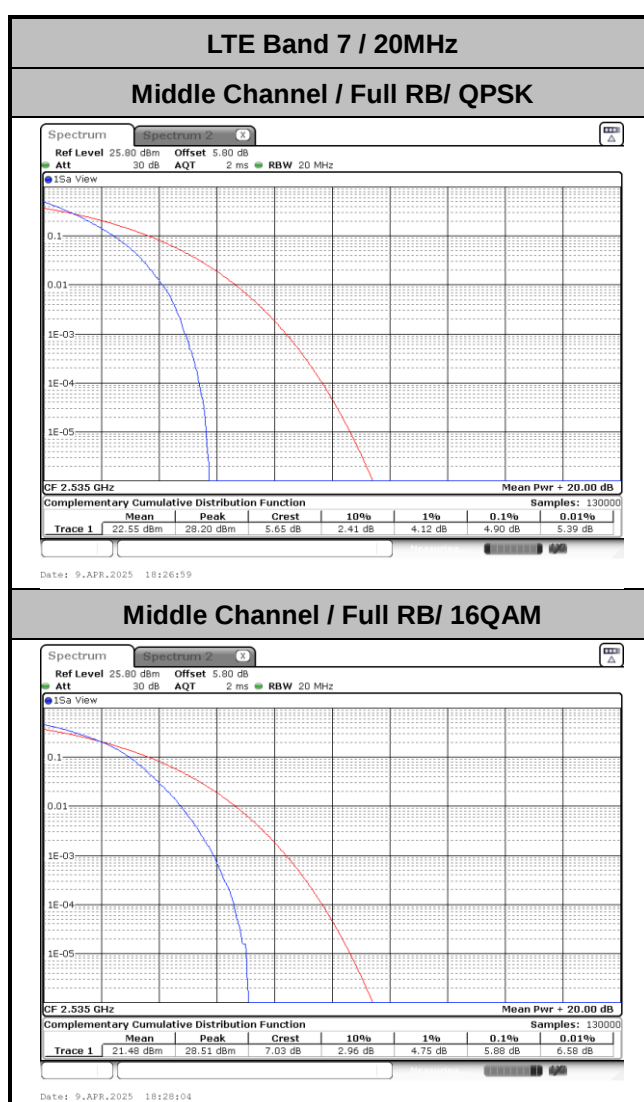
10	64QAM	25	0	20.40	20.50	20.48	0.0359	0.0367	0.0366
10	64QAM	25	12	20.41	20.41	20.36	0.0360	0.0360	0.0356
10	64QAM	25	25	20.48	20.38	20.39	0.0366	0.0357	0.0358
10	64QAM	50	0	20.46	20.58	20.43	0.0364	0.0374	0.0361
Channel				133147	133247	133447	133147	133247	133447
Frequency (MHz)				665.5	675.5	695.5	665.5	675.5	695.5
5	QPSK	1	0	23.14	23.61	23.44	0.0675	0.0752	0.0723
5	QPSK	1	12	23.44	23.43	23.37	0.0723	0.0721	0.0711
5	QPSK	1	24	23.30	23.34	23.19	0.0700	0.0706	0.0682
5	QPSK	12	0	22.45	22.67	22.51	0.0575	0.0605	0.0583
5	QPSK	12	7	22.33	22.48	22.34	0.0560	0.0579	0.0561
5	QPSK	12	13	22.41	22.45	22.43	0.0570	0.0575	0.0573
5	QPSK	25	0	22.40	22.50	22.43	0.0569	0.0582	0.0573
5	16QAM	1	0	22.74	22.80	22.77	0.0615	0.0624	0.0619
5	16QAM	1	12	22.84	22.72	22.78	0.0630	0.0612	0.0621
5	16QAM	1	24	22.70	22.69	22.72	0.0610	0.0608	0.0612
5	16QAM	12	0	21.46	21.67	21.48	0.0458	0.0481	0.0460
5	16QAM	12	7	21.53	21.50	21.54	0.0466	0.0462	0.0467
5	16QAM	12	13	21.56	21.60	21.53	0.0469	0.0473	0.0466
5	16QAM	25	0	21.58	21.47	21.52	0.0471	0.0459	0.0465
5	64QAM	1	0	21.59	21.64	21.57	0.0472	0.0478	0.0470
5	64QAM	1	12	21.47	21.50	21.57	0.0459	0.0462	0.0470
5	64QAM	1	24	21.56	21.63	21.50	0.0469	0.0476	0.0462
5	64QAM	12	0	20.39	20.46	20.39	0.0358	0.0364	0.0358
5	64QAM	12	7	20.46	20.44	20.36	0.0364	0.0362	0.0356
5	64QAM	12	13	20.42	20.34	20.32	0.0361	0.0354	0.0352
5	64QAM	25	0	20.42	20.56	20.41	0.0361	0.0372	0.0360

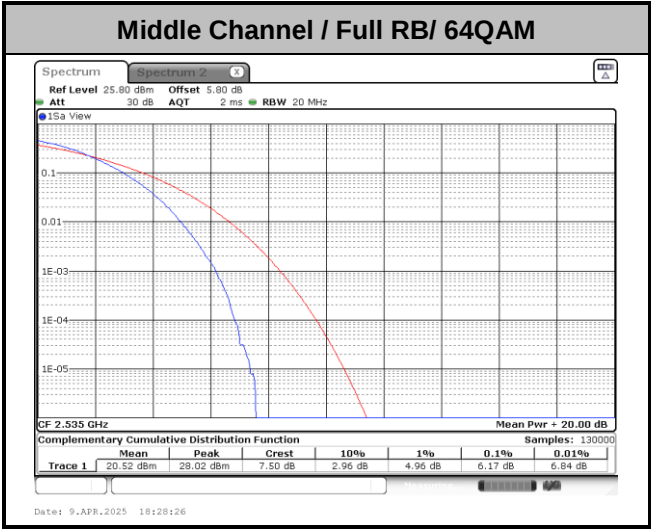


LTE Band 7

Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.90	5.88	6.17	PASS

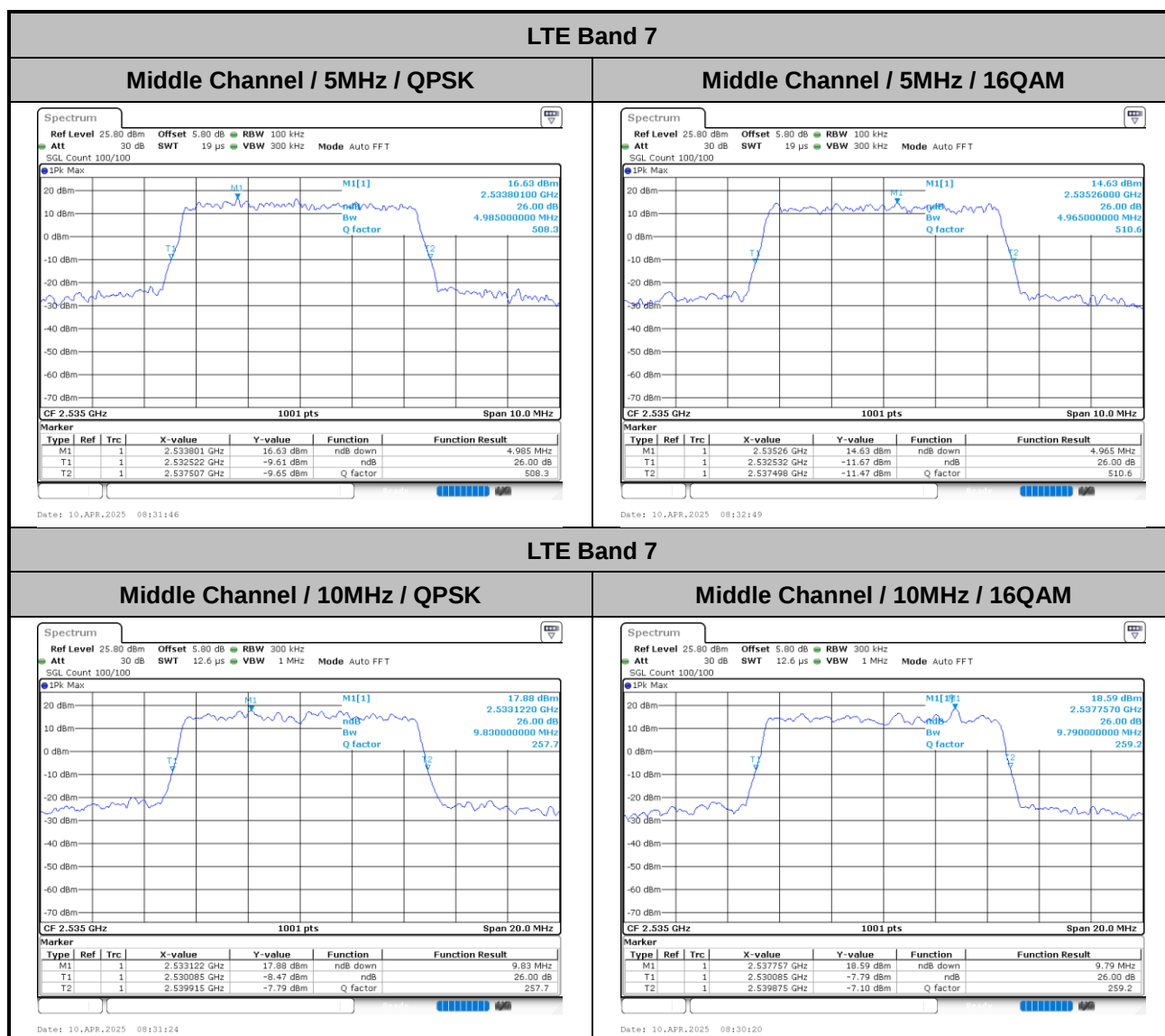






26dB Bandwidth

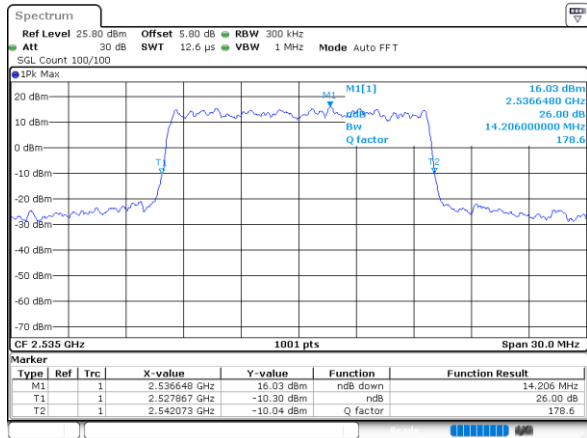
Mode	LTE Band 7 : 26dB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.99	4.97	9.83	9.79	14.21	14.21	19.06	19.18





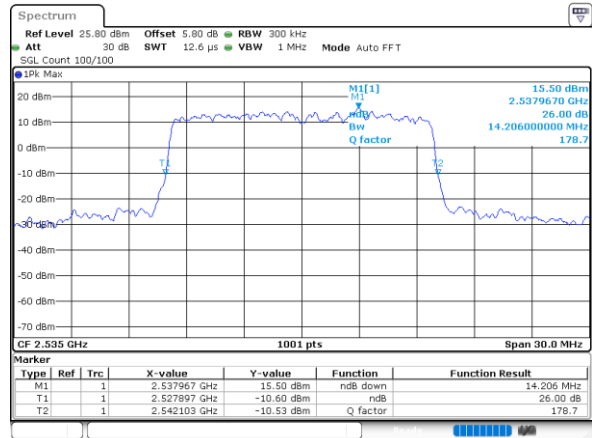
LTE Band 7

Middle Channel / 15MHz / QPSK



Date: 10.APR.2025 08:28:54

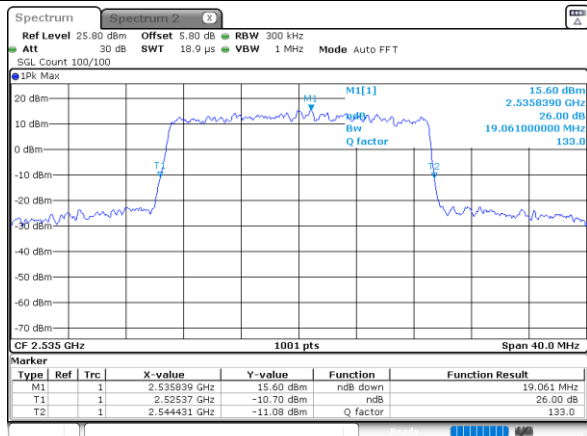
Middle Channel / 15MHz / 16QAM



Date: 10.APR.2025 08:29:58

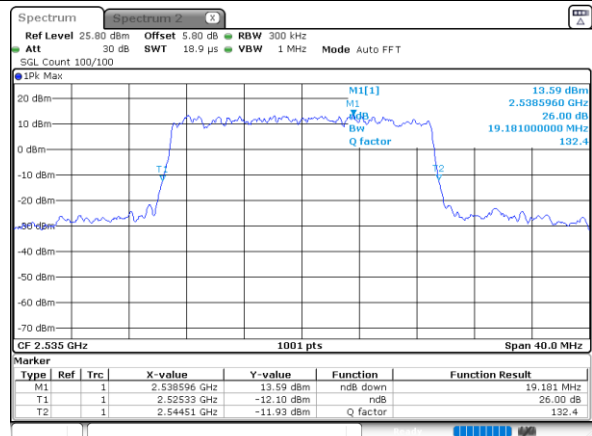
LTE Band 7

Middle Channel / 20MHz / QPSK



Date: 9.APR.2025 18:26:37

Middle Channel / 20MHz / 16QAM

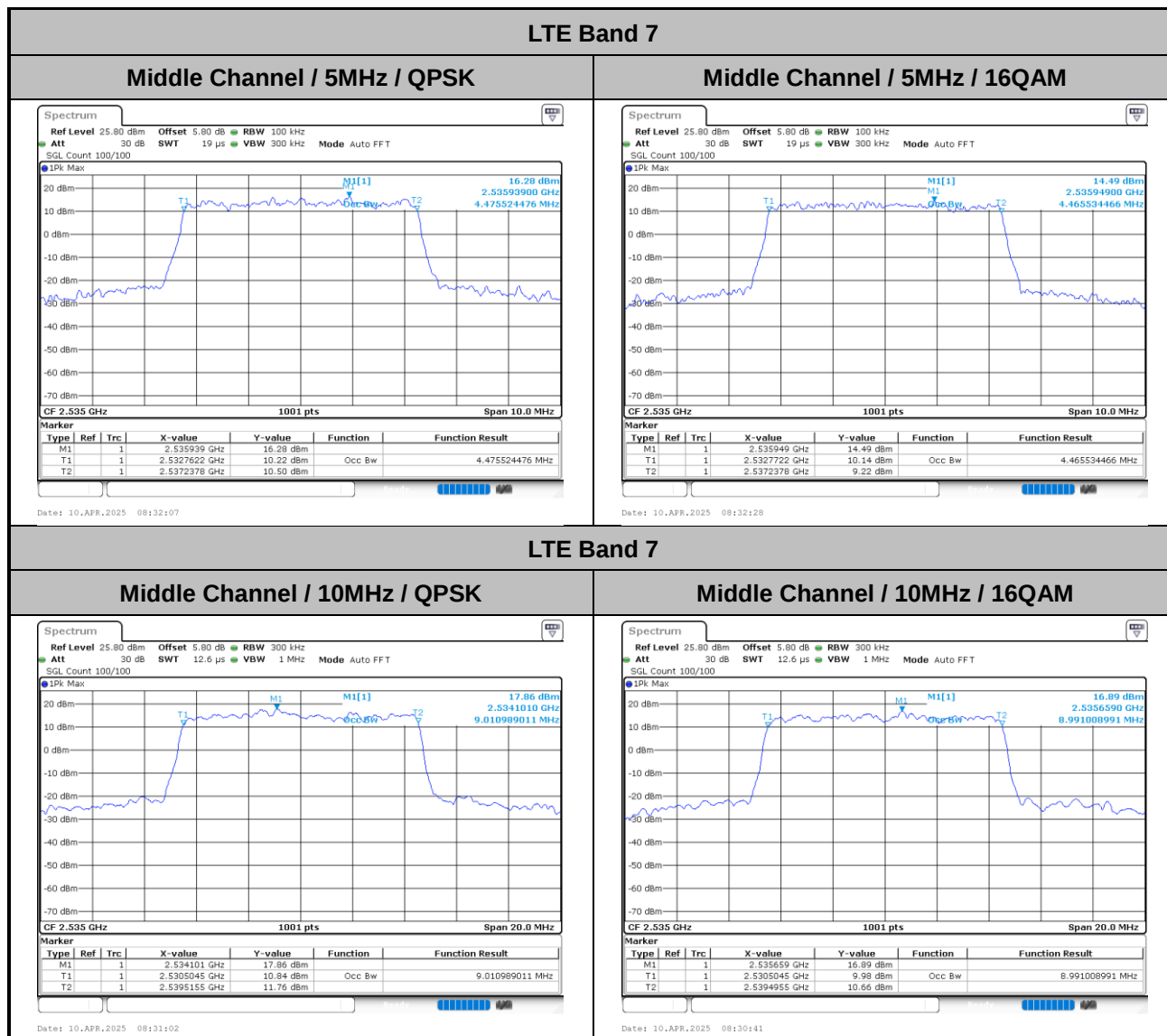


Date: 9.APR.2025 18:27:42



Occupied Bandwidth

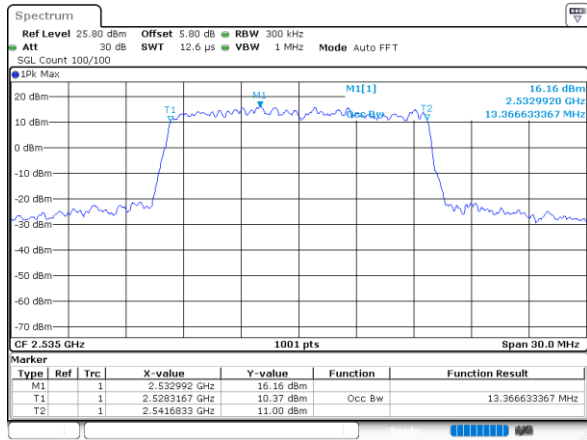
Mode	LTE Band 7 : 99%OBW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.48	4.47	9.01	8.99	13.37	13.49	17.82	17.90



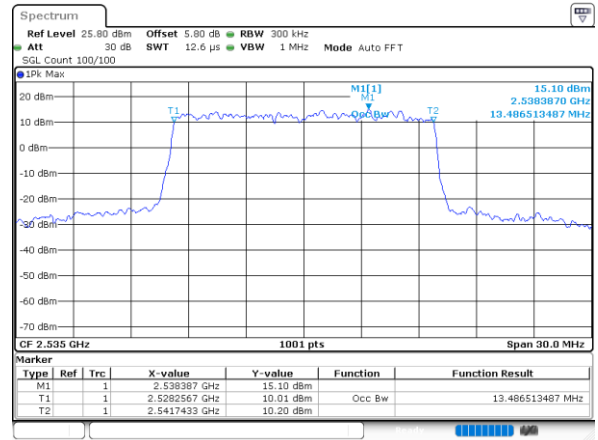


LTE Band 7

Middle Channel / 15MHz / QPSK

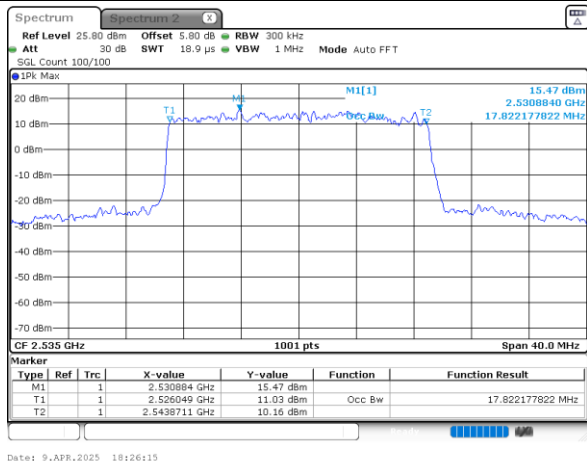


Middle Channel / 15MHz / 16QAM

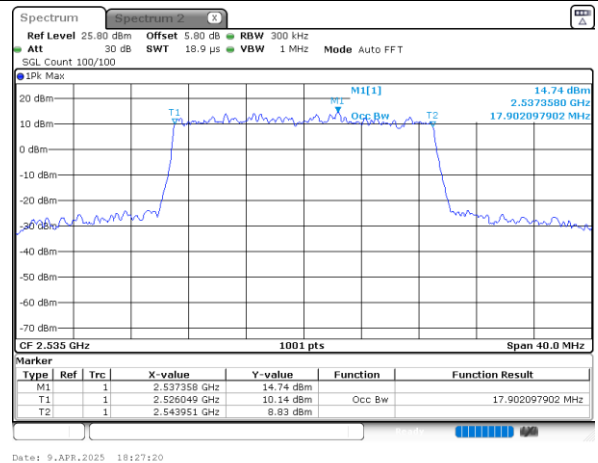


LTE Band 7

Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

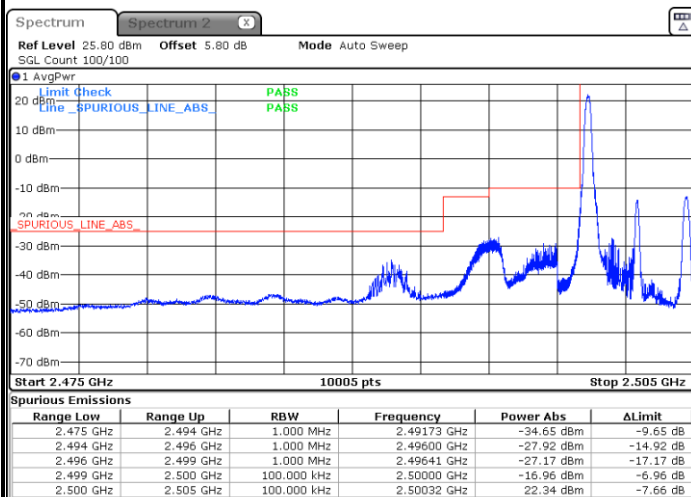




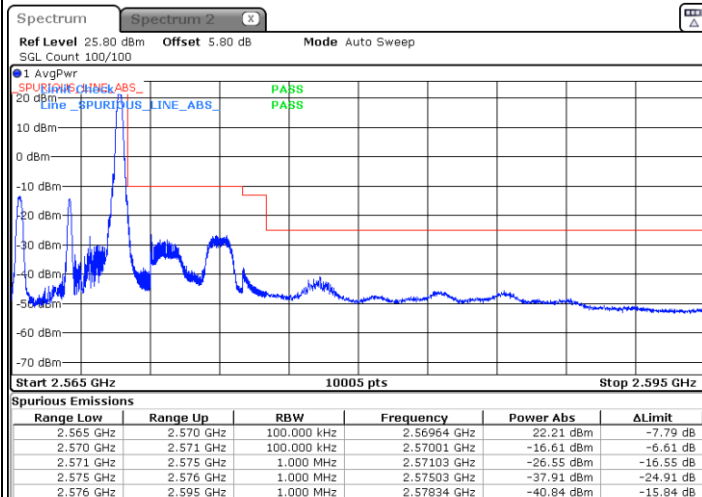
Conducted Band Edge

LTE Band 7 / 5MHz / QPSK

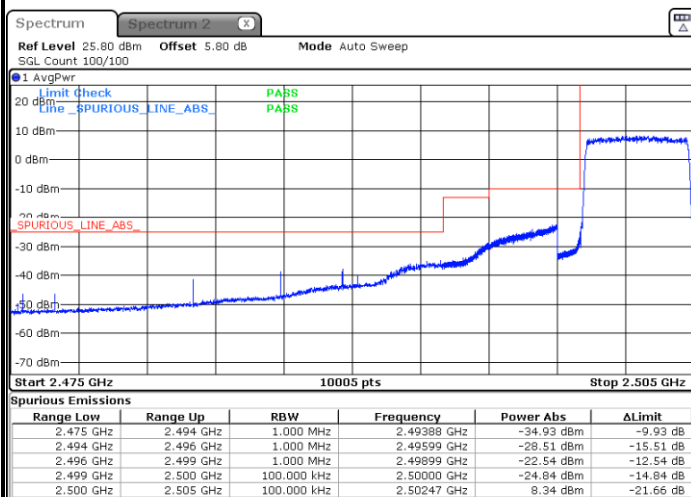
Lowest Band Edge / 1 RB



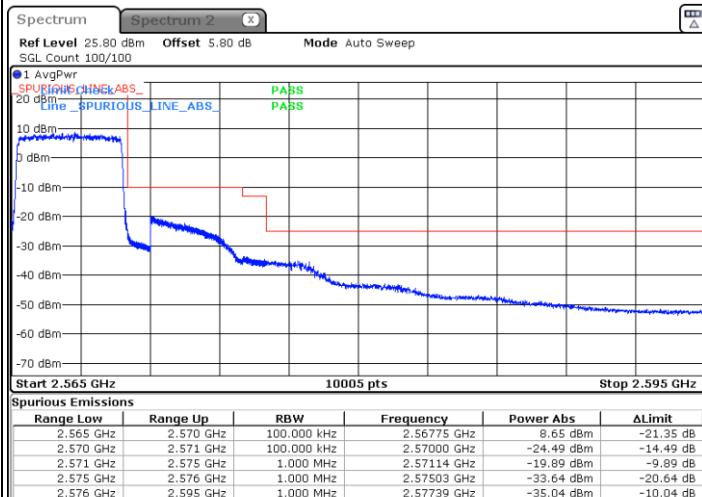
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



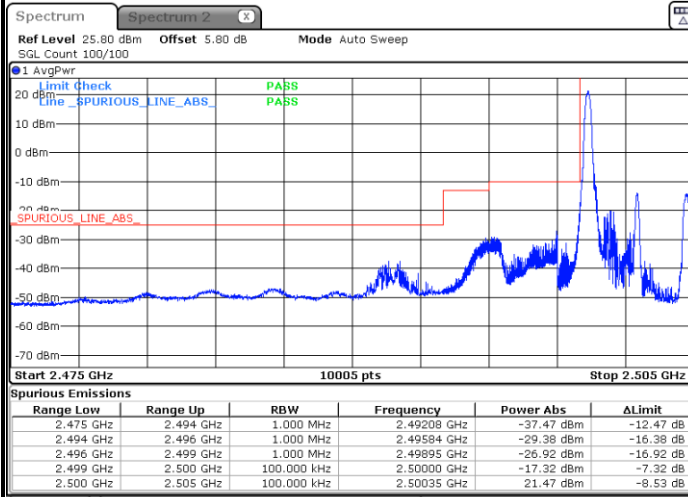
Highest Band Edge / Full RB



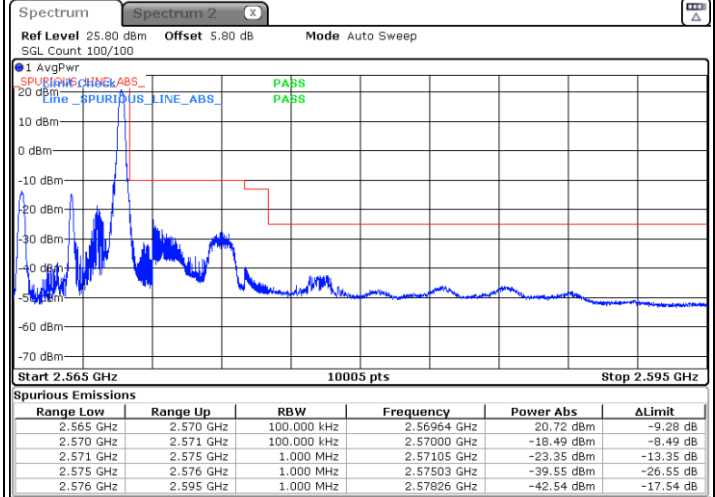


LTE Band 7 / 5MHz / 16QAM

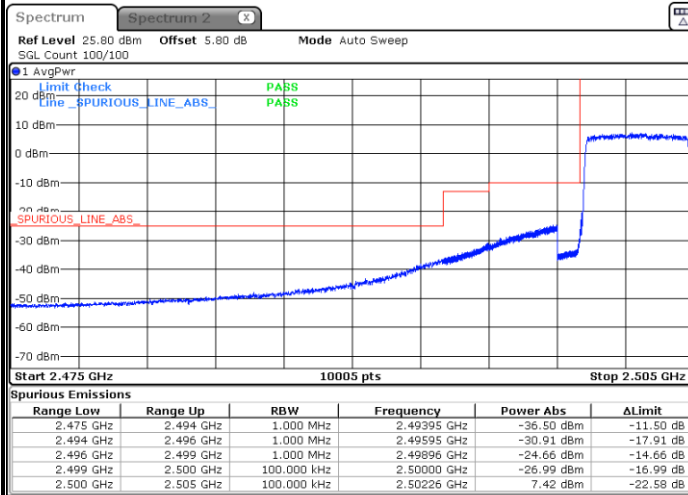
Lowest Band Edge / 1RB



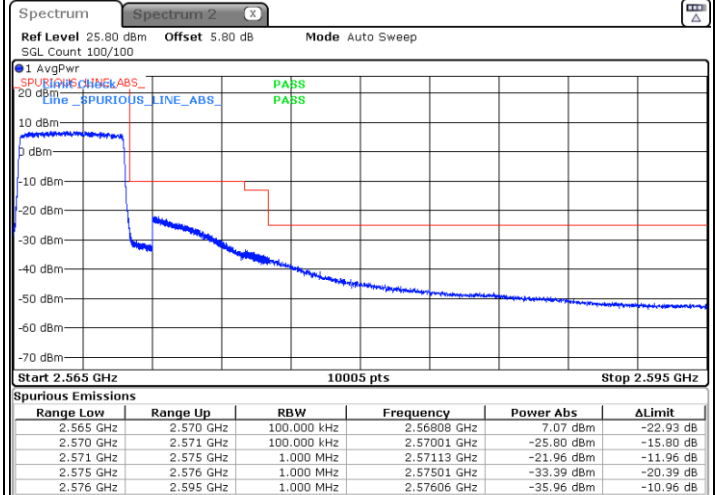
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



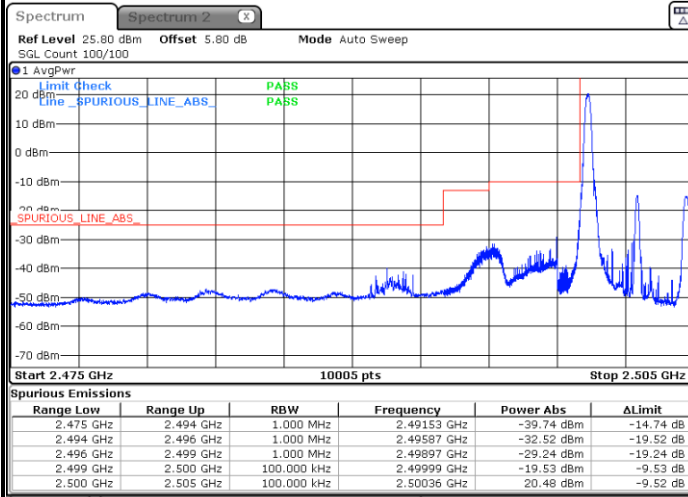
Highest Band Edge / Full RB



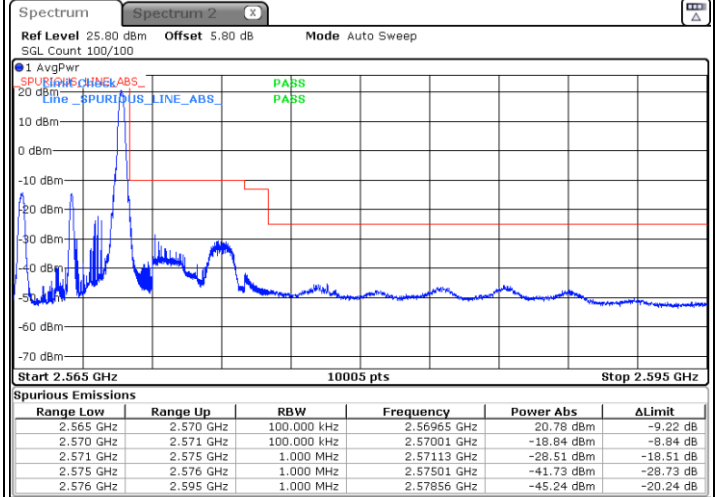


LTE Band 7 / 5MHz / 64QAM

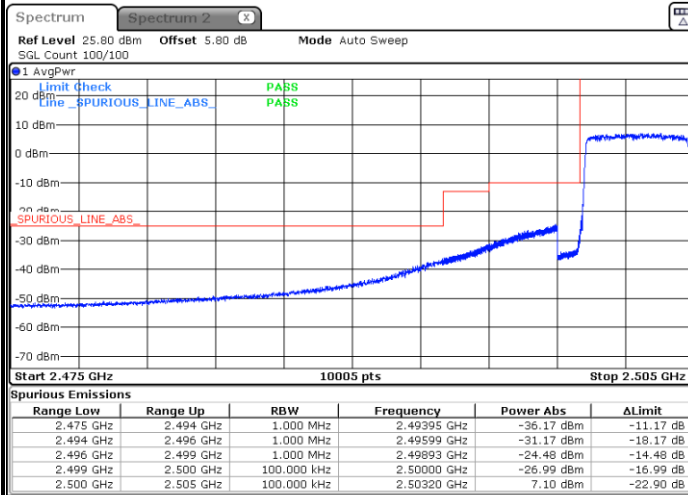
Lowest Band Edge / 1RB



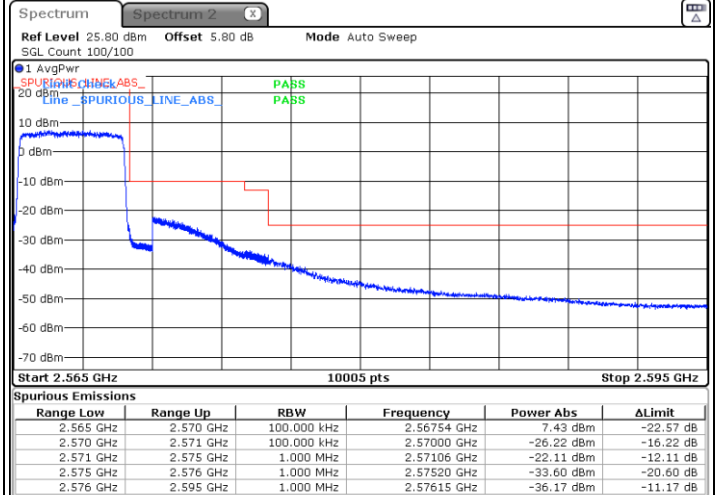
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



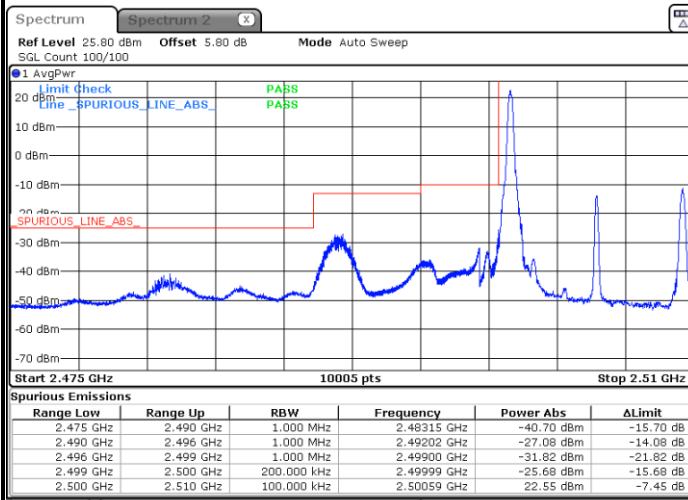
Highest Band Edge / Full RB



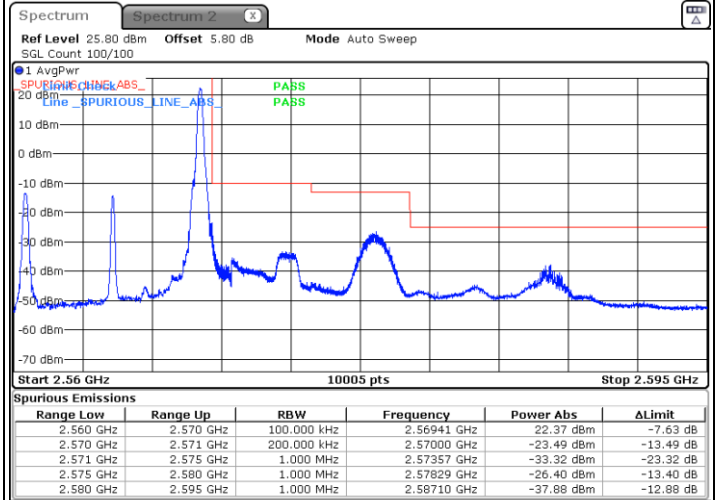


LTE Band 7 / 10MHz / QPSK

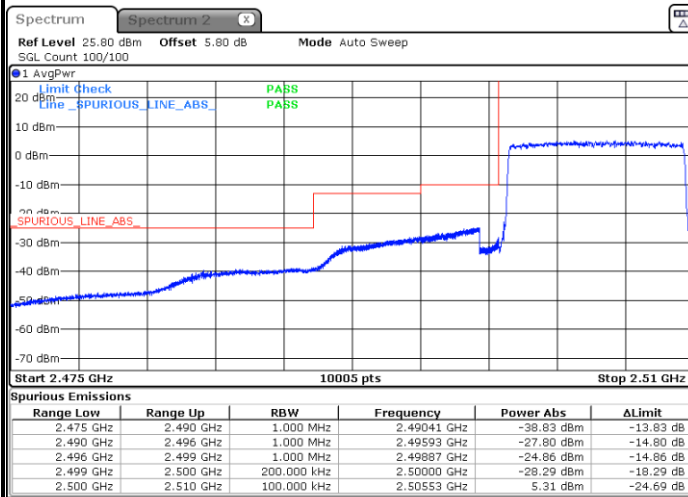
Lowest Band Edge / 1 RB



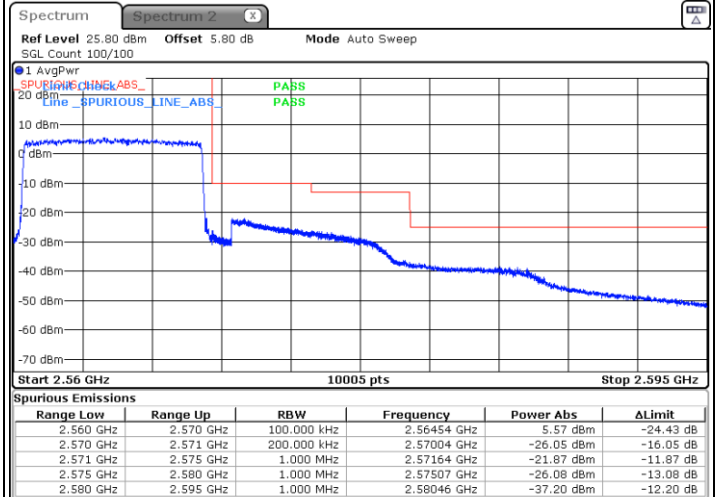
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



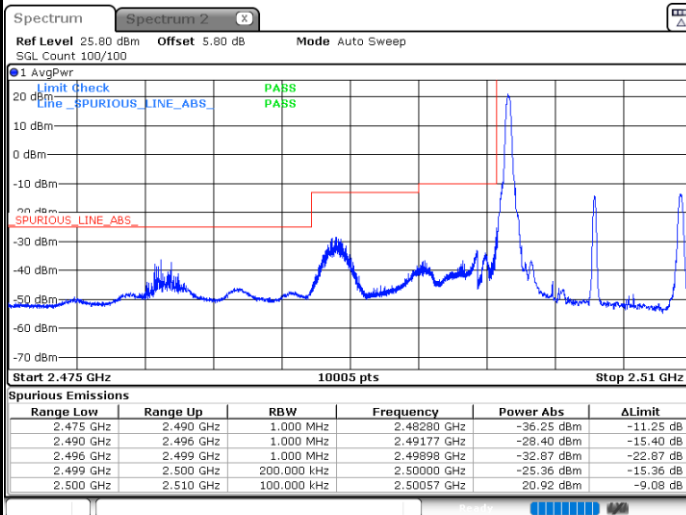
Highest Band Edge / Full RB



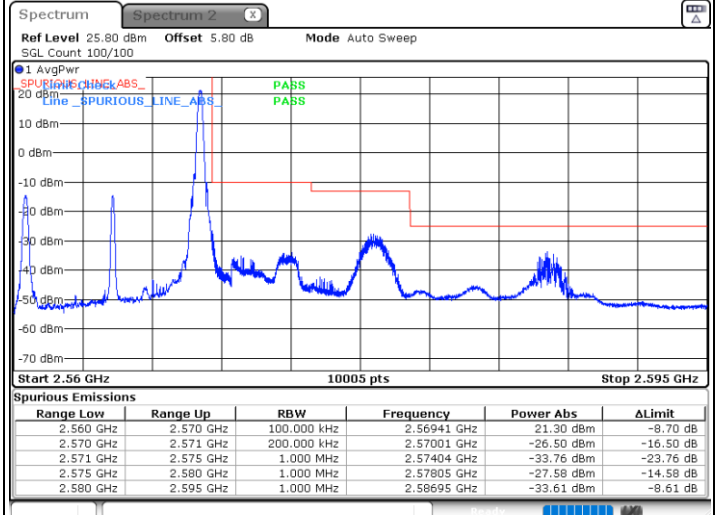


LTE Band 7 / 10MHz / 16QAM

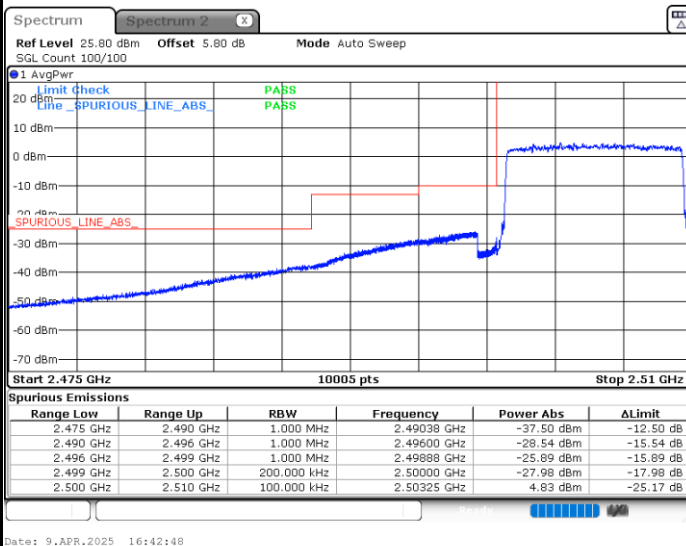
Lowest Band Edge / 1 RB



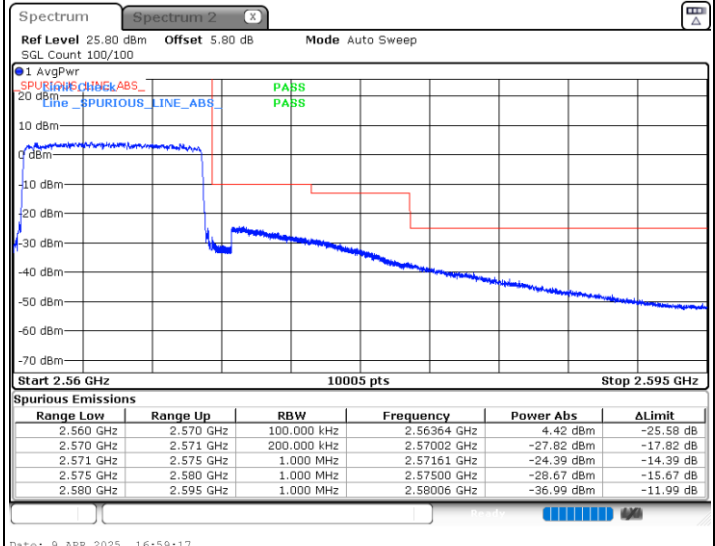
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



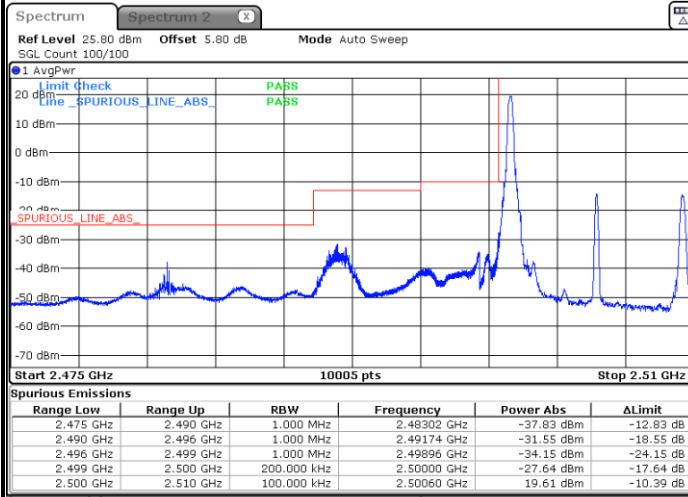
Highest Band Edge / Full RB



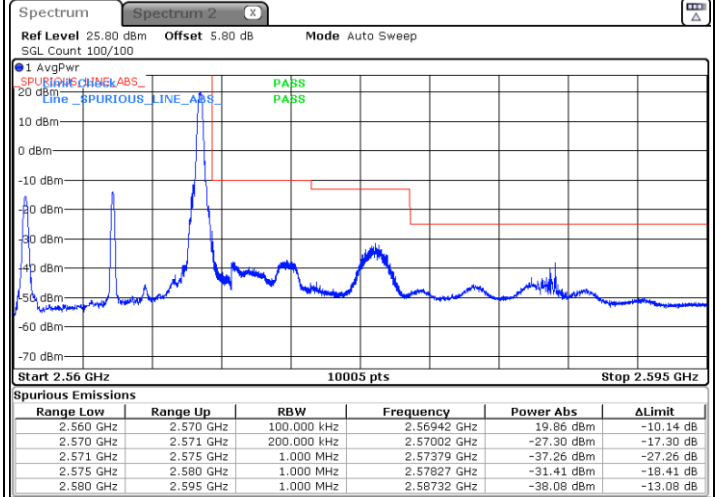


LTE Band 7 / 10MHz / 64QAM

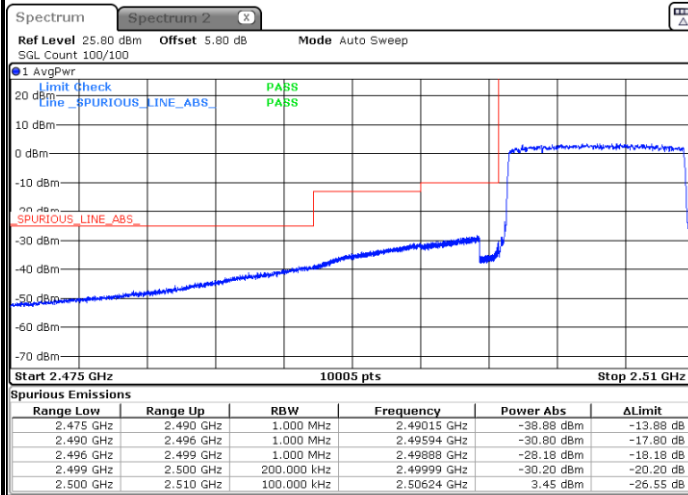
Lowest Band Edge / 1 RB



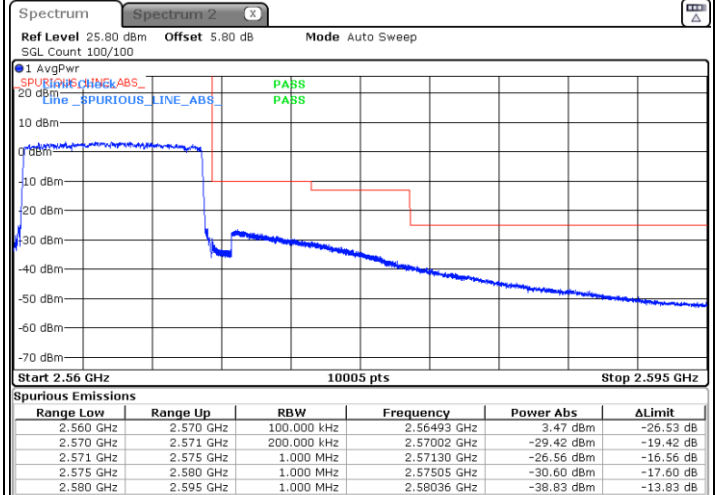
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



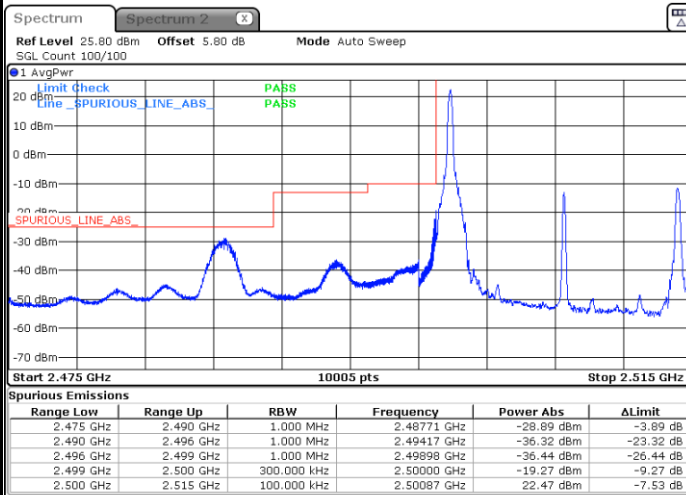
Highest Band Edge / Full RB



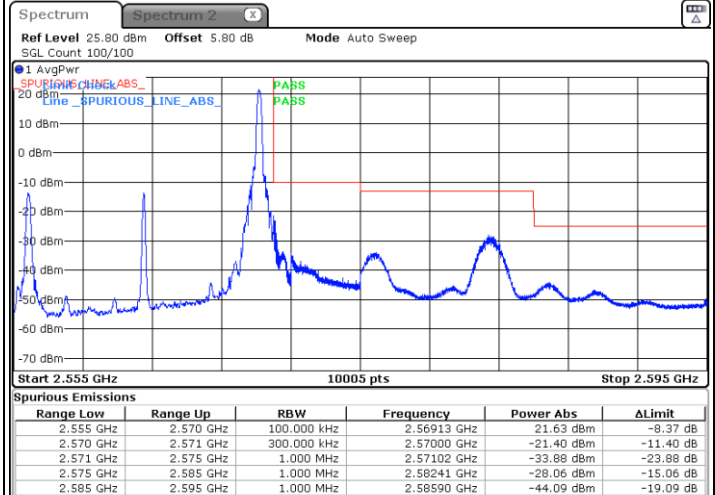


LTE Band 7 / 15MHz / QPSK

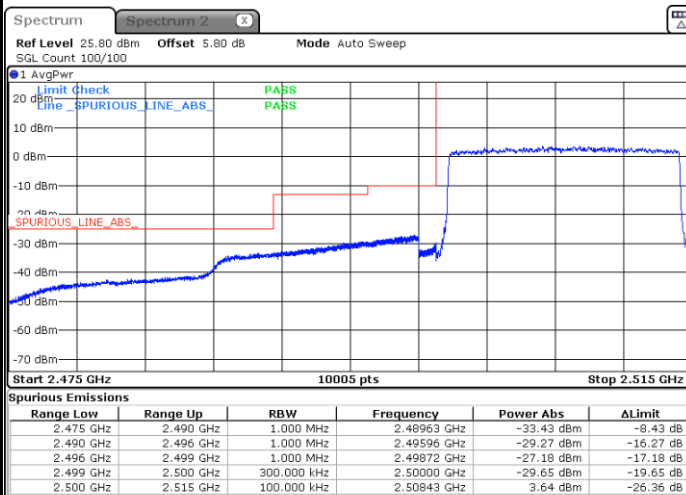
Lowest Band Edge / 1 RB



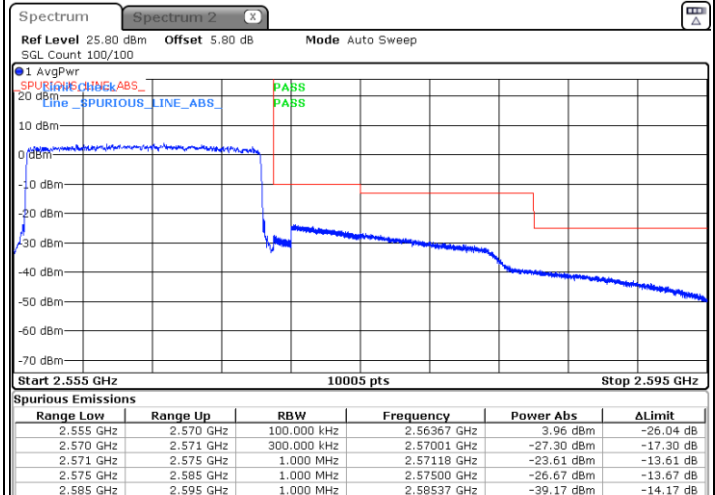
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



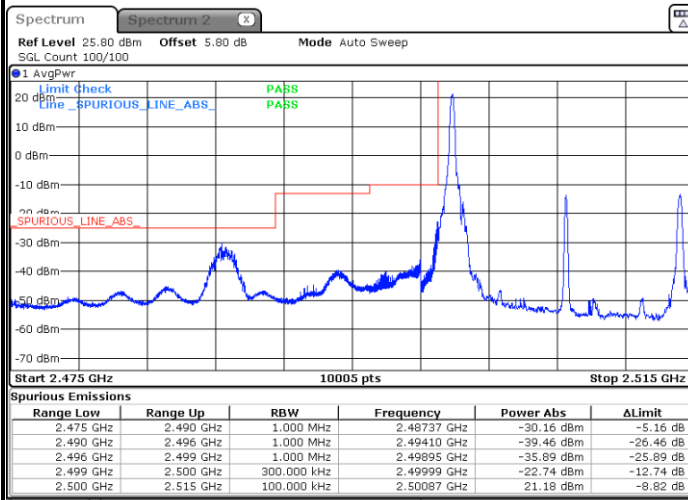
Highest Band Edge / Full RB



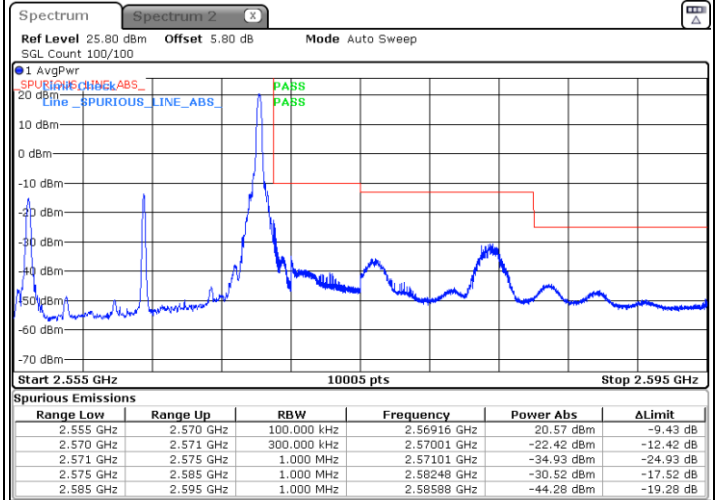


LTE Band 7 / 15MHz / 16QAM

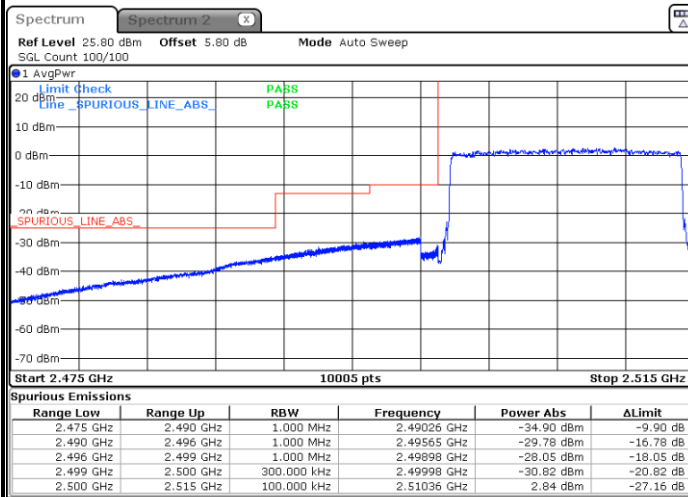
Lowest Band Edge / 1 RB



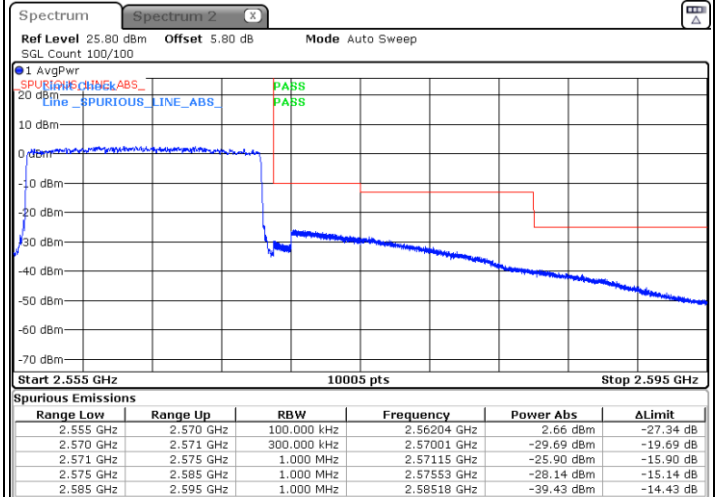
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



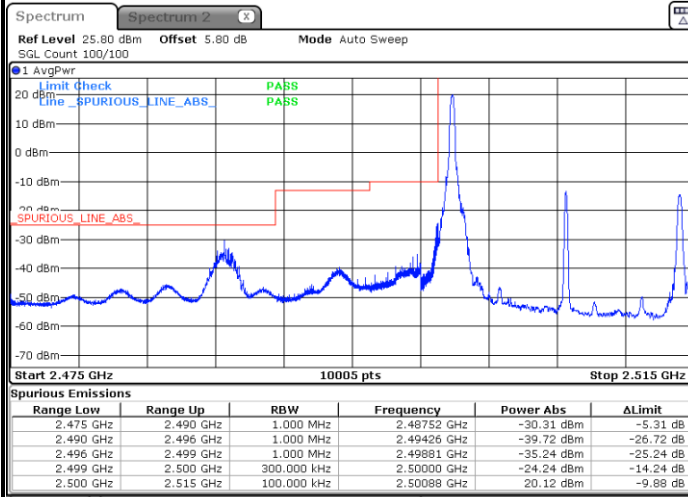
Highest Band Edge / Full RB



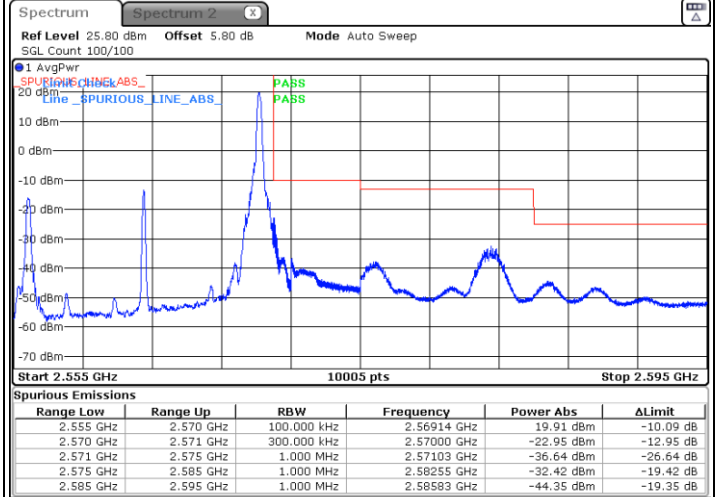


LTE Band 7 / 15MHz / 64QAM

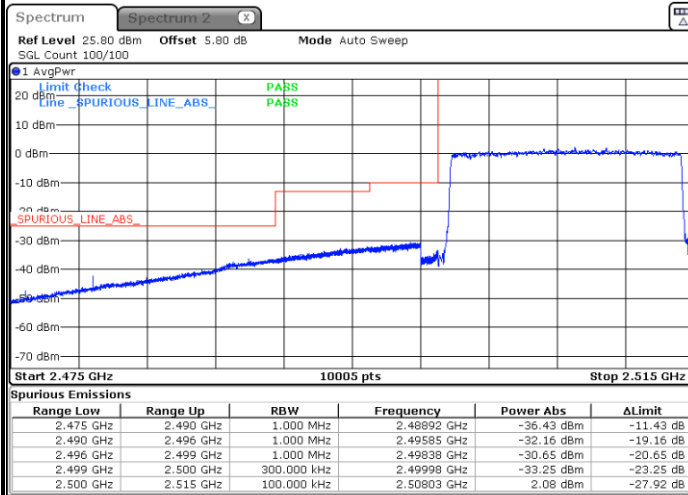
Lowest Band Edge / 1 RB



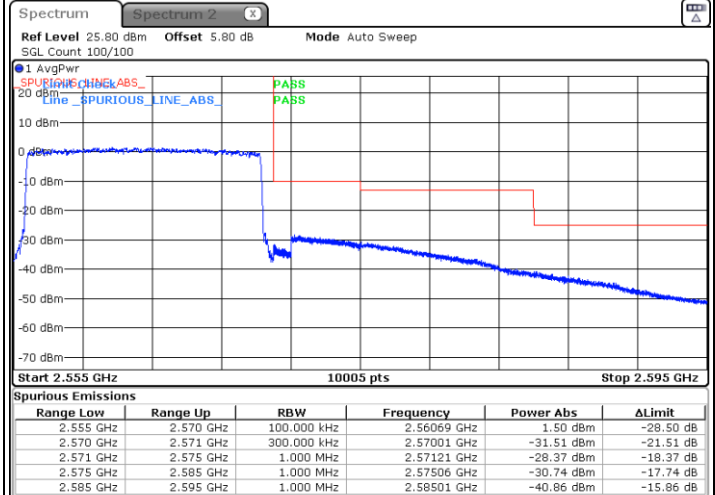
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



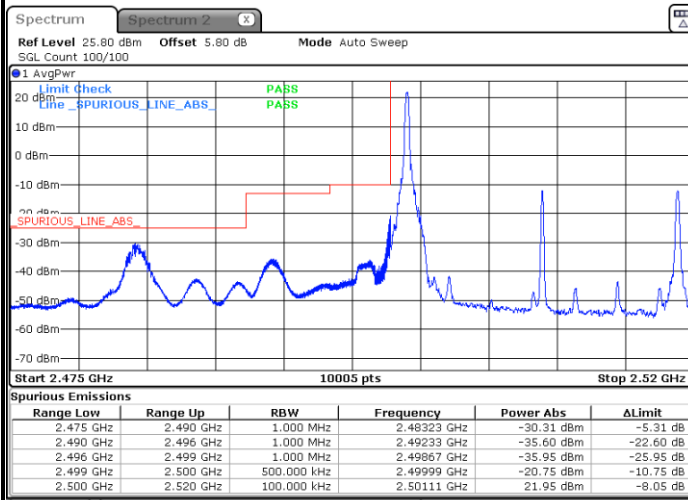
Highest Band Edge / Full RB



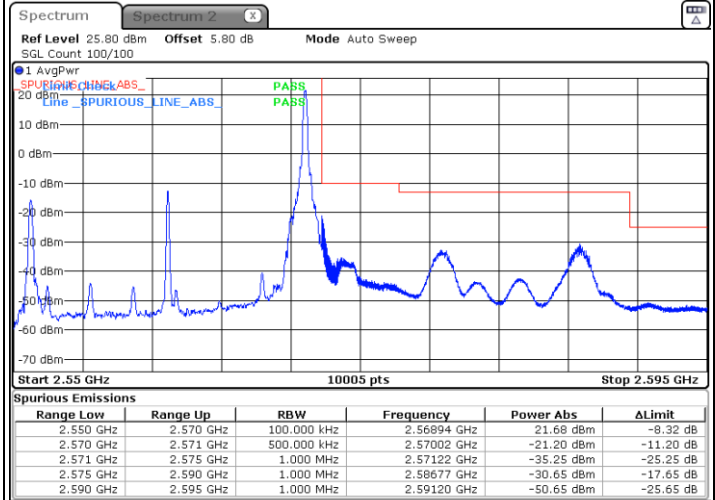


LTE Band 7 / 20MHz / QPSK

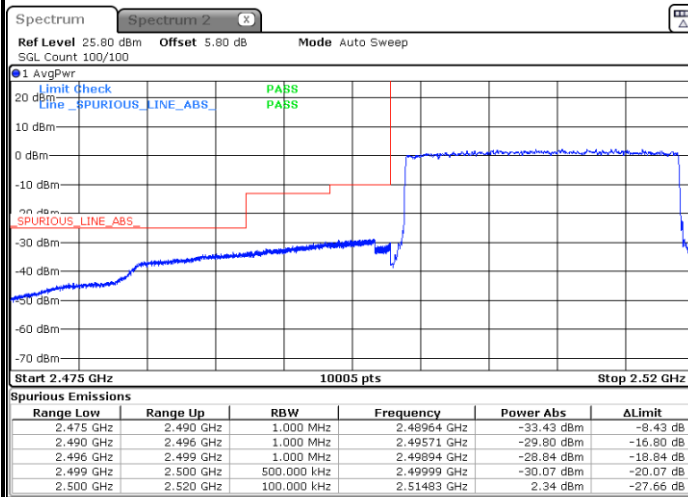
Lowest Band Edge / 1 RB



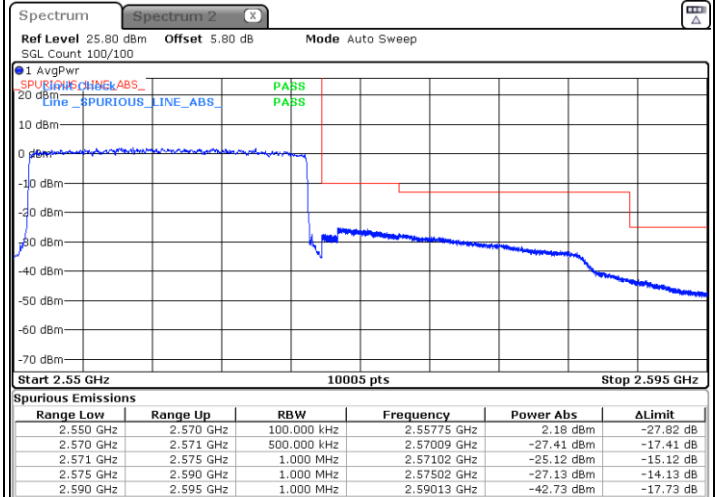
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



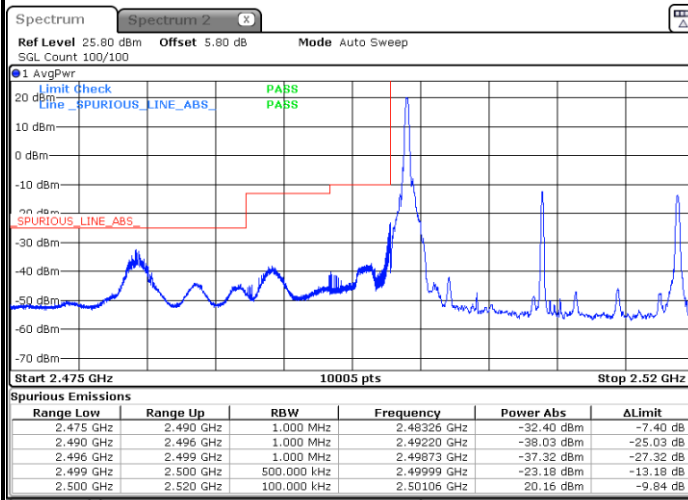
Highest Band Edge / Full RB



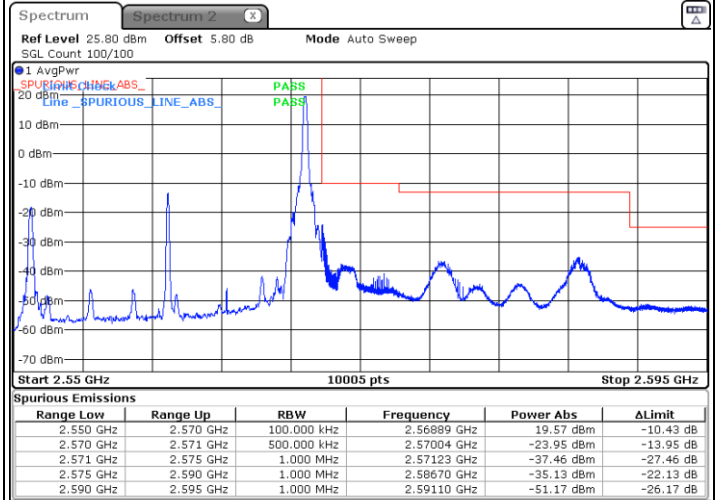


LTE Band 7 / 20MHz / 16QAM

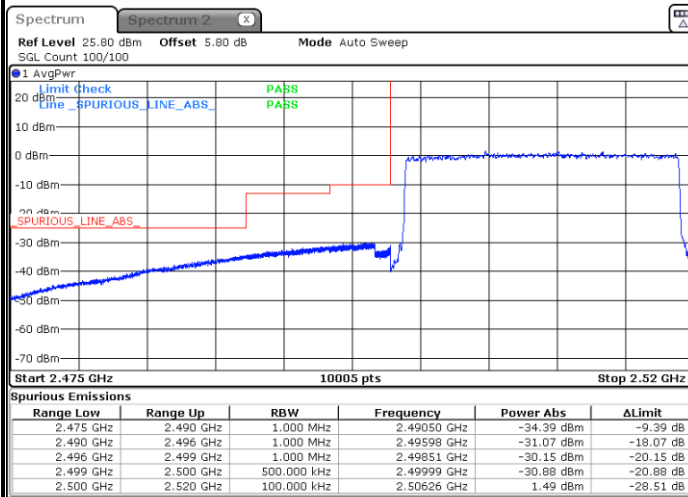
Lowest Band Edge / 1 RB



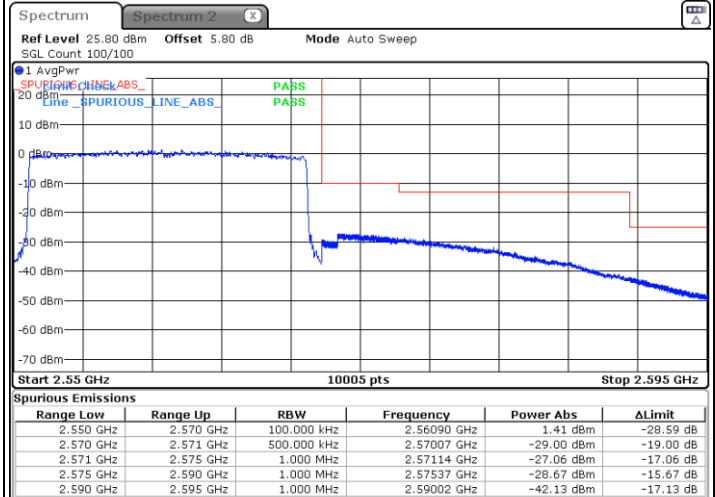
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



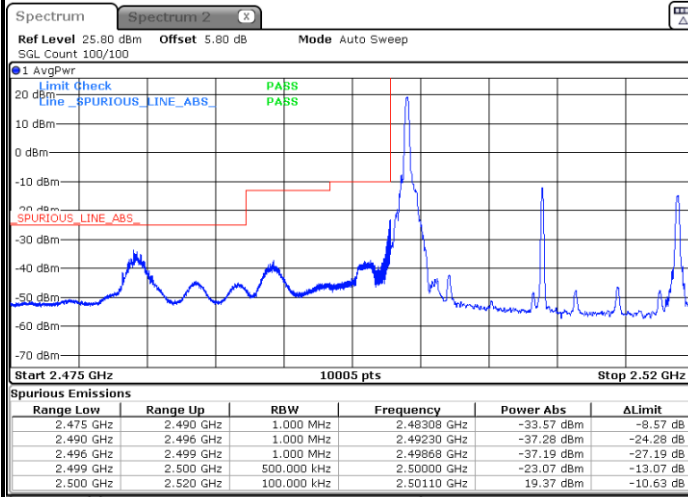
Highest Band Edge / Full RB



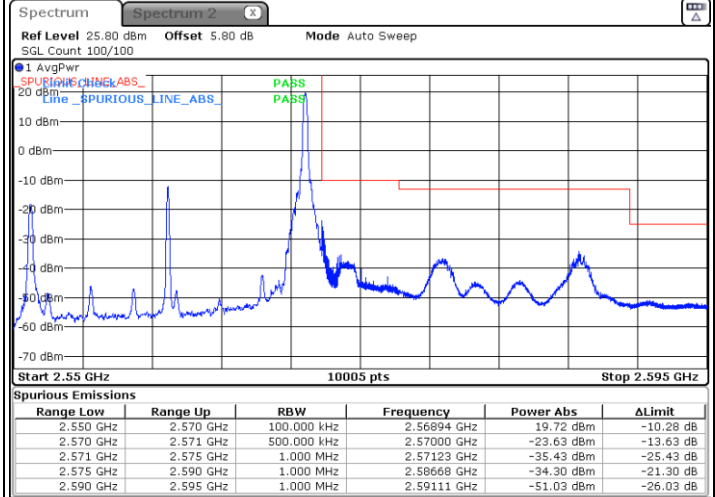


LTE Band 7 / 20MHz / 64QAM

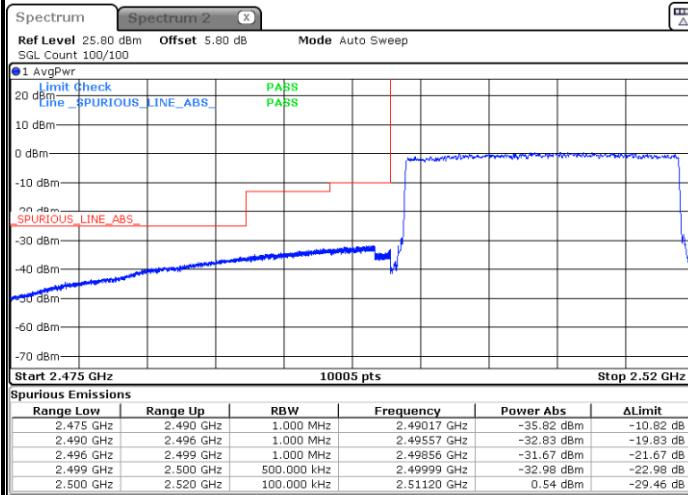
Lowest Band Edge / 1 RB



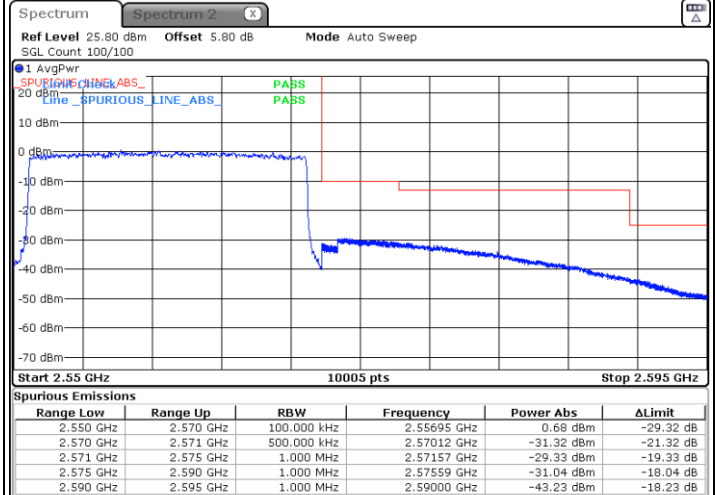
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

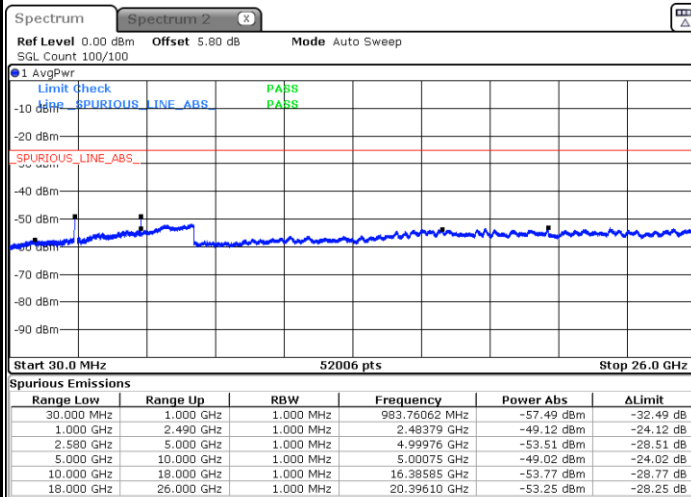




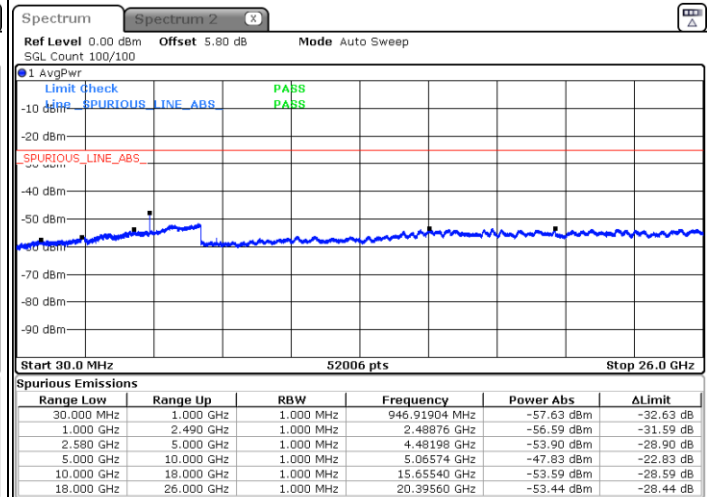
Conducted Spurious Emission

LTE Band 7 / 5MHz

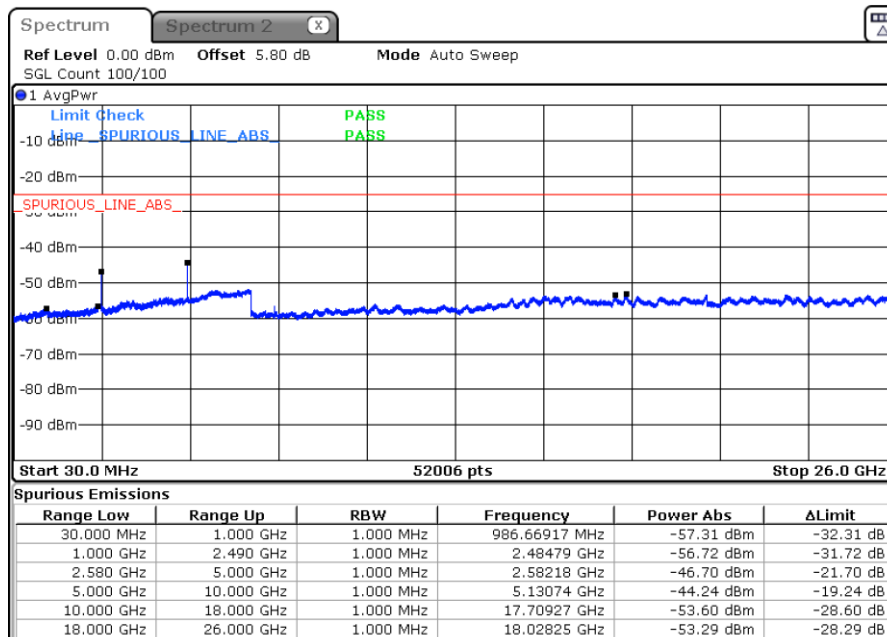
Lowest Channel / QPSK



Middle Channel / QPSK



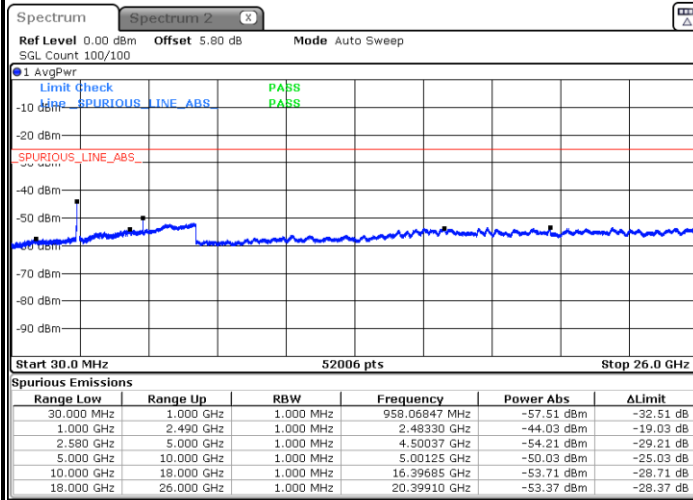
Highest Channel / QPSK





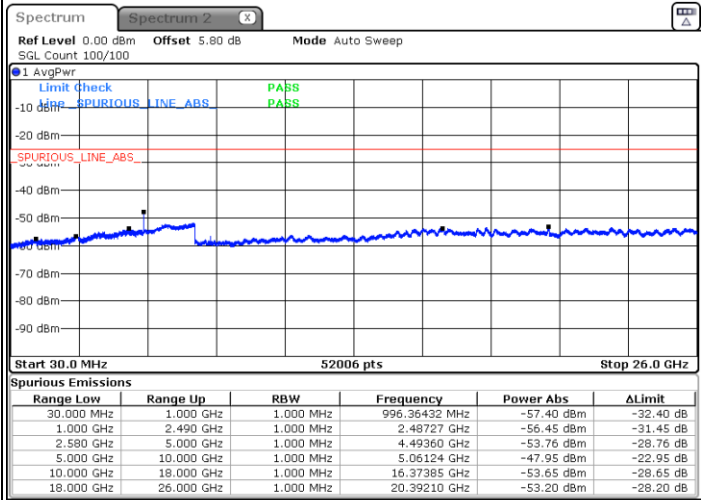
LTE Band 7 / 10MHz

Lowest Channel / QPSK



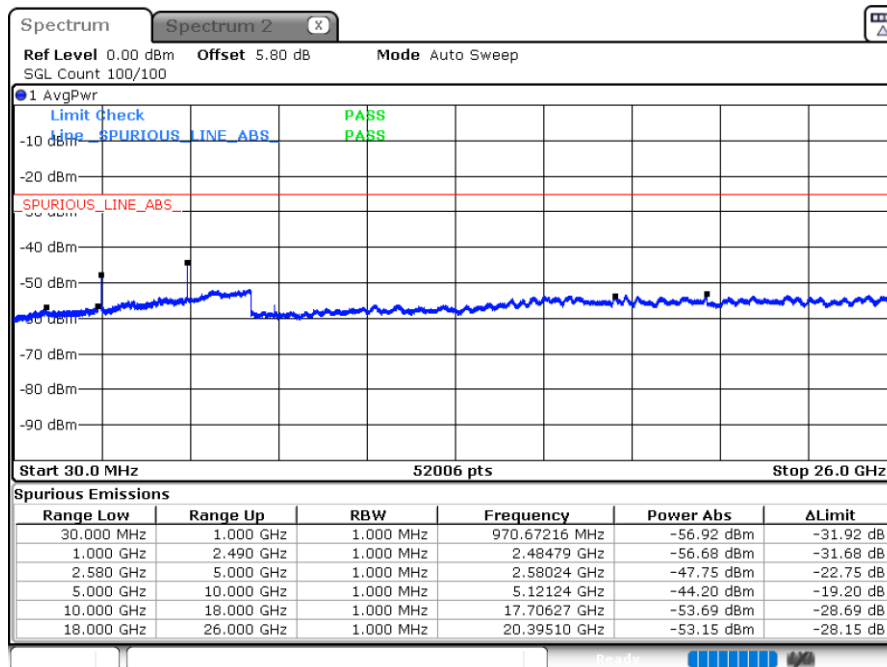
Date: 9.APR.2025 16:49:48

Middle Channel / QPSK



Date: 9.APR.2025 16:50:46

Highest Channel / QPSK

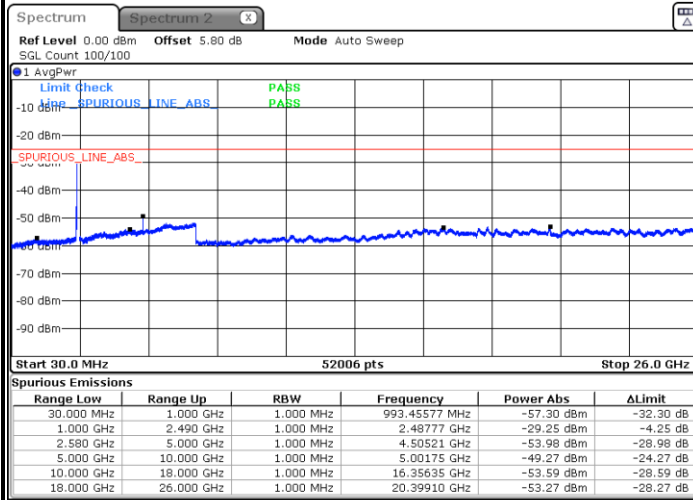


Date: 9.APR.2025 16:51:45



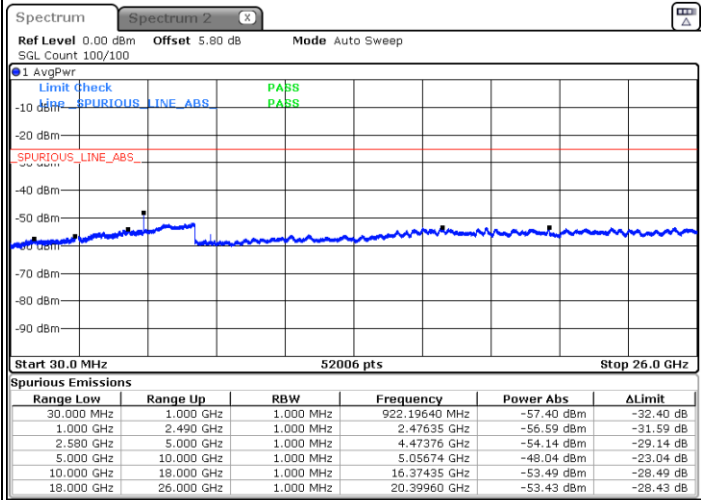
LTE Band 7 / 15MHz

Lowest Channel / QPSK



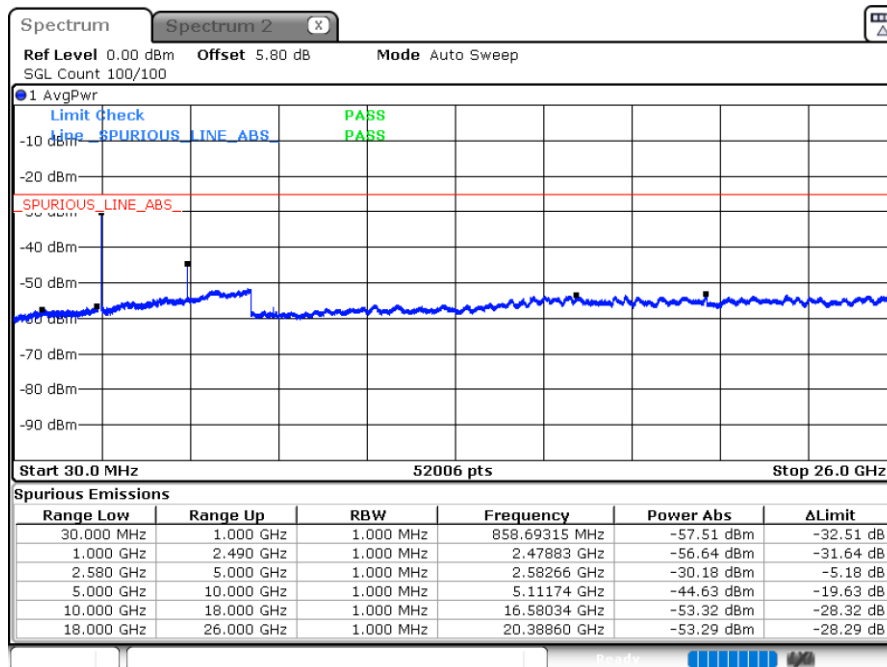
Date: 9.APR.2025 17:16:18

Middle Channel / QPSK



Date: 9.APR.2025 17:17:17

Highest Channel / QPSK



Date: 9.APR.2025 17:18:16