

FCC RF Test Report

APPLICANT : Fibocom Wireless Inc.
EQUIPMENT : 5G Dongle
BRAND NAME : Fibocom
MODEL NAME : ST151L-GL
FCC ID : ZMOST151LGL
STANDARD : 47 CFR Part 27 Subpart Q
CLASSIFICATION : PCS Licensed Transmitter (PCB)
TEST DATE(S) : Mar. 10, 2026 ~ Apr. 18, 2026

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.

Fly Liang

Approved by: Fly Liang



Sporton International Inc. (ShenZhen)

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People's Republic of China

TABLE OF CONTENTS

REVISION HISTORY.....	3
SUMMARY OF TEST RESULT	4
1 GENERAL DESCRIPTION	5
1.1 Applicant	5
1.2 Manufacturer	5
1.3 Product Feature of Equipment Under Test.....	5
1.4 Product Specification of Equipment Under Test.....	5
1.5 Modification of EUT	5
1.6 Maximum EIRP and Emission Designator	6
1.7 Testing Site	6
1.8 Test Software.....	7
1.9 Applied Standards	7
2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST	8
2.1 Test Mode	8
2.2 Connection Diagram of Test System.....	9
2.3 Support Unit used in test configuration and system	10
2.4 Measurement Results Explanation Example.....	10
2.5 Frequency List of Low/Middle/High Channels	10
3 CONDUCTED TEST ITEMS	12
3.1 Measuring Instruments	12
3.2 Test Setup	12
3.3 Test Result of Conducted Test	12
3.4 Conducted Output Power Measurement	13
3.5 Peak-to-Average Ratio	14
3.6 EIRP	15
3.7 Occupied Bandwidth.....	16
3.8 Conducted Band Edge Measurement	17
3.9 Conducted Spurious Emission Measurement	18
3.10 Frequency Stability Measurement.....	19
4 RADIATED TEST ITEMS	20
4.1 Measuring Instruments	20
4.2 Test Setup	20
4.3 Test Result of Radiated Test	21
4.4 Radiated Spurious Emission Measurement	22
5 LIST OF MEASURING EQUIPMENT	23
6 MEASUREMENT UNCERTAINTY	24
APPENDIX A. TEST RESULTS OF CONDUCTED TEST	
APPENDIX B. TEST RESULTS OF RADIATED TEST	
APPENDIX C. TEST SETUP PHOTOGRAPHS	

REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG620905-01G	Rev. 01	Initial issue of report	May 19, 2026

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	—	Report Only	-
3.5	§27.50 (k)(4)	Peak-to-Average Ratio	<13dB	PASS	
3.6	§27.50 (k)(3)	EIRP	EIRP < 1W (30dBm)	PASS	-
3.7	§2.1049	Occupied Bandwidth	—	Report Only	-
3.8	§2.1051 §27.53 (n)(2)	Conducted Band Edge Measurement	-13dBm/MHz	PASS	-
3.9	§2.1051 §27.53 (n)(2)	Conducted Spurious Emission	-13dBm/MHz	PASS	-
3.10	§2.1055 §27.54	Frequency Stability Temperature & Voltage	Within the band	PASS	-
4.4	§2.1053 §27.53 (n)(2)	Radiated Spurious Emission	-13dBm/MHz	PASS	Under limit 24.75 dB at 7000.00 MHz

Note: This is a variant report. The change note could be referred to the Product Equality Declaration which is exhibit separately. Since the differences have no influence on the test results, all the test results are leveraged from original report FG620905G.

Conformity Assessment Condition:

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

Disclaimer:

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

1 General Description

1.1 Applicant

Fibocom Wireless Inc.

1101,Tower A, Building 6, Shenzhen International Innovation Valley, Dashi 1st Rd, Nanshan,Shenzhen, China.

1.2 Manufacturer

Fibocom Wireless Inc.

1101,Tower A, Building 6, Shenzhen International Innovation Valley, Dashi 1st Rd, Nanshan,Shenzhen, China.

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	5G Dongle
Brand Name	Fibocom
Model Name	ST151L-GL
FCC ID	ZMOST151LGL
SN Code	Conducted: ZR60SB003X Radiation: 2eab4f45
EUT Stage	Production Unit

1.4 Product Specification of Equipment Under Test

Product Feature	
Tx/Rx Frequency	LTE Band 42: 3450 MHz ~ 3550 MHz
Bandwidth	5MHz / 10MHz / 15MHz / 20MHz
Maximum Output Power to Antenna	LTE Band 42 : 21.93 dBm LTE Band 42C : 21.99 dBm
Antenna Gain	<Ant. 2>: -2.0 dBi
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM

1.5 Modification of EUT

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

1.6 Maximum EIRP and Emission Designator

LTE Band 42		QPSK		16QAM/64QAM/256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
5	3452.5 ~ 3547.5	0.0959	4M53G7D	0.0794	4M48W7D
10	3455 ~ 3545	0.0957	9M07G7D	0.0785	9M11W7D
15	3457.5 ~ 3542.5	0.0982	13M4G7D	0.0783	13M5W7D
20	3460 ~ 3540	0.0984	17M9G7D	0.0809	17M9W7D

LTE Band CA_42C		QPSK		16QAM/64QAM/256QAM	
BW (MHz)		Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
20MHz+20MHz		0.0957	37M6G7D	0.0998	37M8W7D
20MHz+15MHz		0.0948	33M2G7D	0.0957	32M7W7D
15MHz+20MHz		0.0912	32M7G7D	0.0989	33M2W7D
20MHz+10MHz		0.0912	27M8G7D	0.0991	27M9W7D
10MHz+20MHz		0.0927	28M1G7D	0.0989	27M8W7D
20MHz+5MHz		0.0955	23M2G7D	0.0964	23M4W7D
5MHz+20MHz		0.0912	23M3G7D	0.0962	22M9W7D

1.7 Testing Site

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 Applied Standards

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

- ♦ 47 CFR Part 27 Subpart Q
- ♦ ANSI C63.26-2015
- ♦ FCC KDB 971168 Power Meas License Digital Systems D01 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.

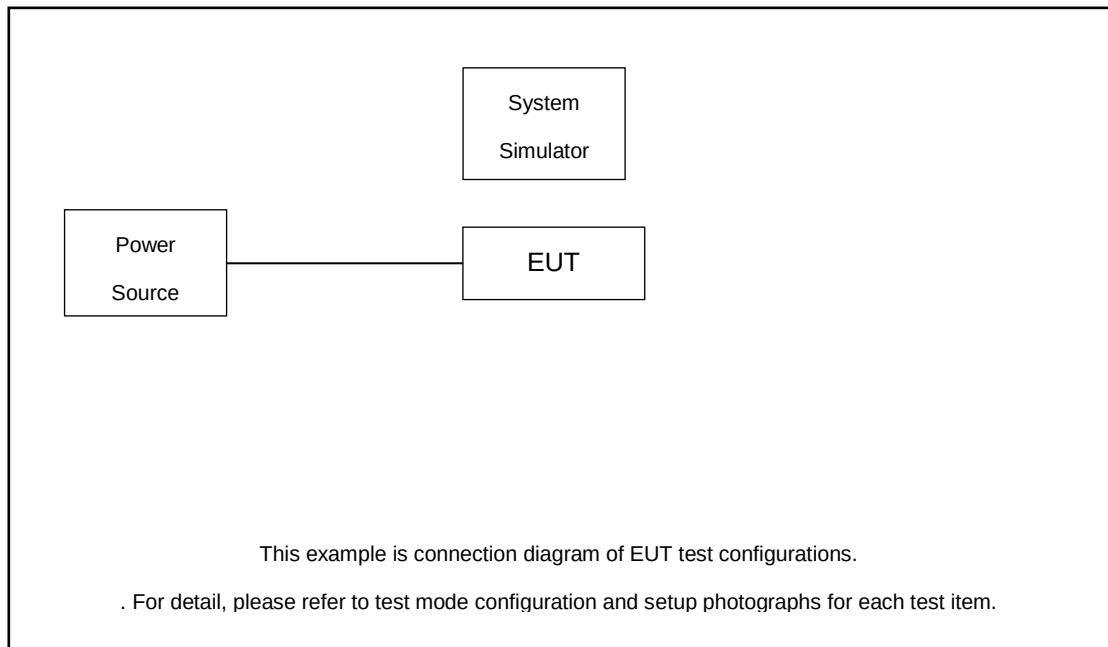
Radiated measurements are performed by rotating the EUT in three different orthogonal test planes to find the maximum emission. (Y Plane)

Test Cases	Band	Bandwidth (MHz)	Modulation	RB #	Test Channel
		eg. 5M, 10M, 15M, 20M	eg. QPSK, 16QAM, 64QAM, 256QAM	1RB, Partial RB, Full RB	L/M/H
Max. Output Power	LTE Band 42	5M, 10M, 15M, 20M	QPSK, 16QAM, 64QAM, 256QAM	1RB, Partial RB, Full RB	L, M, H
Peak-to-Average Ratio	LTE Band 42	20M	QPSK, 16QAM, 64QAM	Full RB	M
E.I.R.P	LTE Band 42	5M, 10M, 15M, 20M	QPSK, 16QAM, 64QAM, 256QAM	1RB, Partial RB, Full RB	L, M, H
26dB and 99% Bandwidth	LTE Band 42	5M, 10M, 15M, 20M	QPSK, 16QAM	Full RB	M
Conducted Band Edge	LTE Band 42	5M, 10M, 15M, 20M	QPSK, 16QAM, 64QAM	1RB, Full RB	L, H
Conducted Spurious Emission	LTE Band 42	5M, 10M, 15M, 20M	QPSK	1RB	L, M, H
Frequency Stability	LTE Band 42	10M	QPSK	1RB	M
Radiated Spurious Emission	LTE Band 42	Worst case from maximum power			M

Note:
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.

Test Items	Band	Bandwidth (MHz)										Modulation				RB #			Test Channel			
		20+20	20+15	15+20	20+10	10+20	20+5	5+20	15+15	15+10	10+15	QPSK	16QAM	64QAM	256QAM	1	Half	Full	L	M	H	
Max. Output Power	42C_CA	v	v	v	v	v	v	v	-	-	-	v	v	v	v	v	v	v	v	v	v	
26dB and 99% Bandwidth	42C_CA	v	v	v	v	v	v	v	-	-	-	v	v					v		v		
Conducted Band Edge	42C_CA	v	v	v	v	v	v	v	-	-	-	v	v	v		v		v	v		v	
Conducted Spurious Emission	42C_CA	v	v	v	v	v	v	v	-	-	-	v				v			v	v	v	
E.I.R.P.	42C_CA	v	v	v	v	v	v	v	-	-	-	v	v	v	v	v	v	v	v	v	v	
Radiated Spurious Emission	42C_CA	Worst Case																			v	
Note	1. The mark "v " means that this configuration is chosen for testing 2. The mark "- " means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.																					

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

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

2.4 Measurement Results Explanation Example

For all conducted test items:

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

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

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 9.5 dB and 10dB attenuator.

Example :

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

= 9.5 + 10 = 19.5 (dB)

2.5 Frequency List of Low/Middle/High Channels

LTE Band 42 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	42190	42590	42990
	Frequency	3460	3500	3540
15	Channel	42165	42590	43015
	Frequency	3457.5	3500	3542.5
10	Channel	42140	42590	43040
	Frequency	3455	3500	3545
5	Channel	42115	42590	43065
	Frequency	3452.5	3500	3547.5

LTE Band 42C_CA Channel and Frequency List					
BW [MHz]	Channel/Frequency(MHz)		Lowest	Middle	Highest
20 + 20	PCC	Channel	42190	42590	42792
		Frequency	3460	3500	3520.2
	SCC	Channel	42388	42788	42990
		Frequency	3479.8	3519.8	3540
20 + 15	PCC	Channel	42190	42590	42844
		Frequency	3460	3500	3525.4
	SCC	Channel	42361	42761	43015
		Frequency	3477.1	3517.1	3542.5
15 + 20	PCC	Channel	42165	42590	42819
		Frequency	3457.5	3500	3522.9
	SCC	Channel	42336	42761	42990
		Frequency	3474.6	3517.1	3540
20 + 10	PCC	Channel	42190	42590	42896
		Frequency	3460	3500	3530.6
	SCC	Channel	42334	42734	43040
		Frequency	3474.4	3514.4	3545
10 + 20	PCC	Channel	42140	42590	42846
		Frequency	3455	3500	3525.6
	SCC	Channel	42284	42734	42990
		Frequency	3469.4	3514.4	3540
20 + 5	PCC	Channel	42190	42590	42948
		Frequency	3460	3500	3535.8
	SCC	Channel	42307	42707	43065
		Frequency	3471.7	3511.7	3547.5
5 + 20	PCC	Channel	42115	42590	42873
		Frequency	3452.5	3500	3528.3
	SCC	Channel	42232	42707	42990
		Frequency	3464.2	3511.7	3540

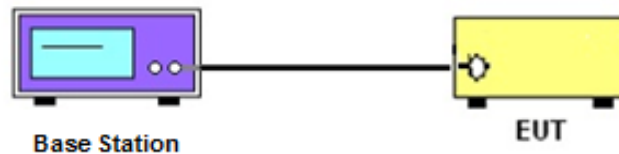
3 Conducted Test Items

3.1 Measuring Instruments

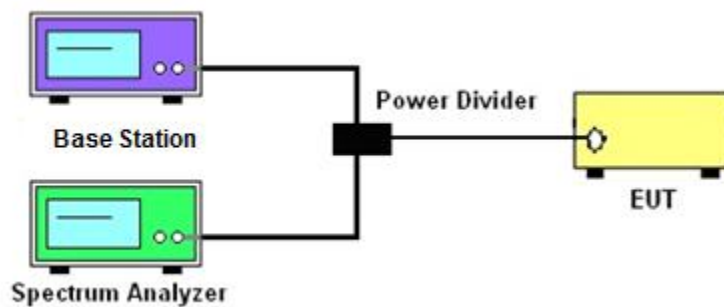
See list of measuring instruments of this test report.

3.2 Test Setup

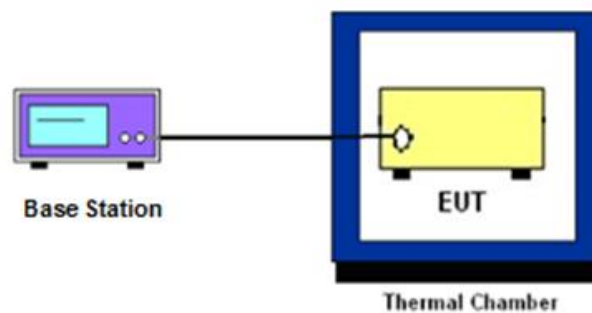
3.2.1 Conducted Output Power



3.2.2 Peak-to-Average Ratio, Occupied / 26dB Bandwidth ,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 Measurement

3.4.1 Description of the Conducted Output Power Measurement

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

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 EIRP

3.6.1 Description of EIRP Limit

§ 27.50 (k)(3)

Mobile devices are limited to 1Watt (30 dBm) EIRP. Mobile devices operating in these bands must employ a means for limiting power to the minimum necessary for successful communications

3.6.2 Test Procedures

1. According to KDB 412172 D01 Power Approach,
2. $EIRP = P_T + G_T - L_C$, $ERP = EIRP - 2.15$, 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

3.7 Occupied Bandwidth

3.7.1 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.

3.7.2 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.

3.8 Conducted Band Edge Measurement

3.8.1 Description of Conducted Band Edge Measurement

§ 27.53 (n)(2)

For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.

Compliance with this paragraph is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz 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, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz.

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 band edges of low and high channels for the highest RF powers were measured.
4. Set RBW $\geq 1\%$ EBW but limited to a maximum of 200 kHz in the 1MHz band immediately outside and adjacent to the band edge.
5. Beyond the 1 MHz and 5 MHz removed from the band edge, set RBW ≥ 500 KHz.
6. Beyond the 5 MHz removed from the band edge, set RBW = 1MHz.
7. Set spectrum analyzer with RMS detector.
8. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
9. Checked that all the results comply with the emission limit line.

3.9 Conducted Spurious Emission Measurement

3.9.1 Description of Conducted Spurious Emission Measurement

The power of any emission outside of the authorized operating frequency ranges shall not exceed -13 dBm/MHz.

It is measured by means of a calibrated spectrum analyzer and scanned from 9 kHz up to a frequency including its 10th harmonic.

3.9.2 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. Checked that all the results comply with the emission limit line.

3.10 Frequency Stability Measurement

3.10.1 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.

3.10.2 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.

3.10.3 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.

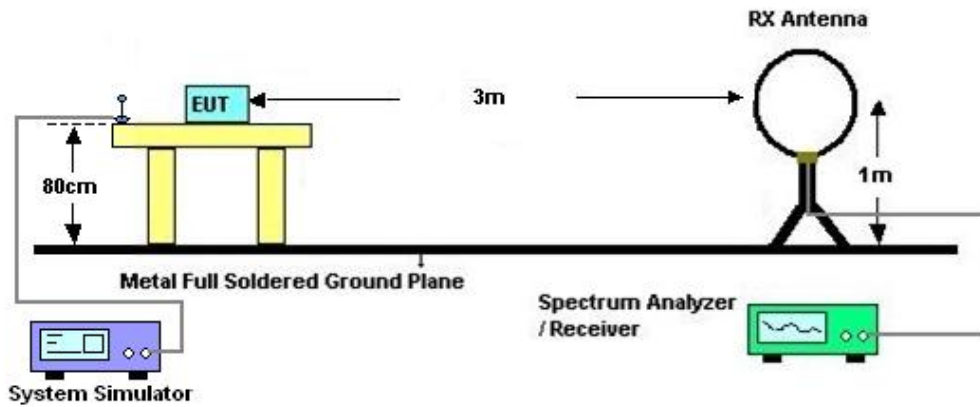
4 Radiated Test Items

4.1 Measuring Instruments

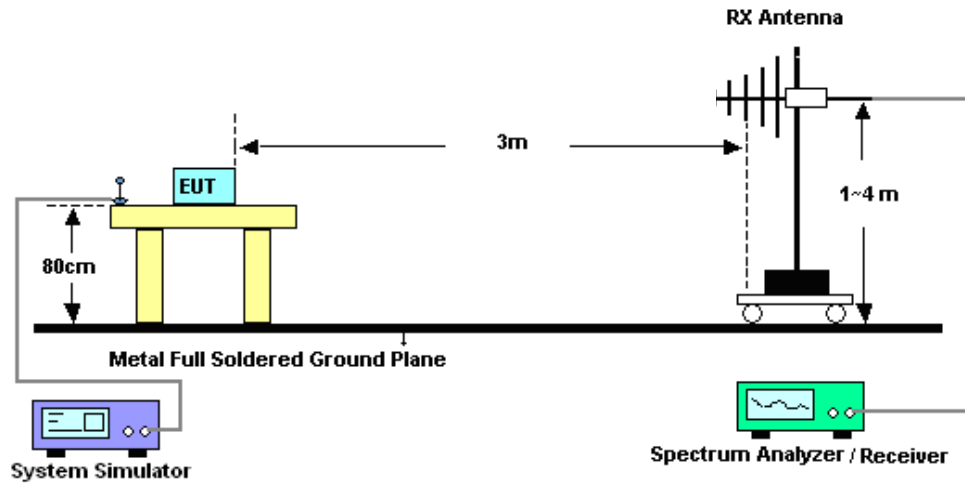
See list of measuring instruments of this test report.

4.2 Test Setup

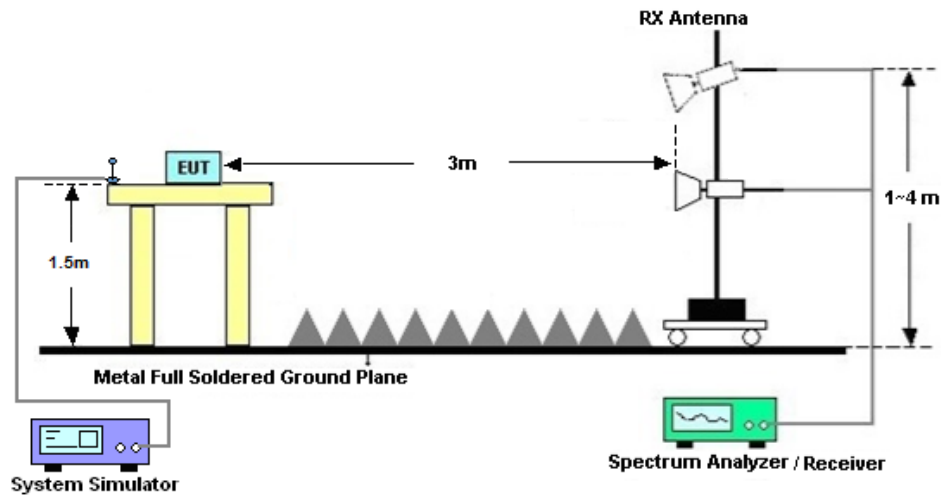
4.2.1 For radiated test below 30MHz



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 Measurement

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 shall not exceed -13 dBm/MHz.

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



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	Mar. 27, 2025	Mar. 10, 2026~ Mar. 25, 2026	Mar. 26, 2026	Conducted (TH01-SZ)
DC Power Supply	TTI	PL330P	290070	Max 32V, 3A	Oct. 13, 2025	Mar. 10, 2026~ Mar. 25, 2026	Oct. 12, 2026	Conducted (TH01-SZ)
Power Divider	Titan	P02N005180	923402	0.4GHz~26.5GHz	Nov. 07, 2025	Mar. 10, 2026~ Mar. 25, 2026	Nov. 06, 2026	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 02, 2025	Mar. 10, 2026~ Mar. 25, 2026	Jul. 01, 2026	Conducted (TH01-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 03, 2025	Apr. 18, 2026	Jul. 02, 2026	Radiation (03CH02-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 25, 2025	Apr. 18, 2026	Dec. 24, 2026	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Dec. 23, 2025	Apr. 18, 2026	Dec. 22, 2027	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 04, 2025	Apr. 18, 2026	Jul. 04, 2026	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 03, 2025	Apr. 18, 2026	Jul. 03, 2026	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 03, 2025	Apr. 18, 2026	Apr. 02, 2027	Radiation (03CH02-SZ)
LF Amplifier	EM Electronics	EM330	060788	20MHz-3GHz	Dec. 25, 2025	Apr. 18, 2026	Dec. 24, 2026	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 13, 2025	Apr. 18, 2026	Oct. 12, 2026	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	616010003043	N/A	Oct. 13, 2025	Apr. 18, 2026	Oct. 12, 2026	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	Apr. 18, 2026	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	Apr. 18, 2026	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 = 2Uc(y))	2.47 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

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

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

Appendix A. Test Results of Conducted Test

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

Conducted Output Power(Average power) and EIRP

LTE Band 42:

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				42190	42590	42990	L M H		
Frequency (MHz)				3460	3500	3540			
20	QPSK	1	0	21.68	21.64	21.93	0.0929	0.0920	0.0984
20	QPSK	1	49	21.62	21.55	21.55	0.0916	0.0902	0.0902
20	QPSK	1	99	21.55	21.51	21.52	0.0902	0.0893	0.0895
20	QPSK	50	0	20.60	20.64	20.65	0.0724	0.0731	0.0733
20	QPSK	50	24	20.82	20.84	20.90	0.0762	0.0766	0.0776
20	QPSK	50	50	20.79	20.58	20.77	0.0757	0.0721	0.0753
20	QPSK	100	0	20.72	20.64	20.87	0.0745	0.0731	0.0771
20	16QAM	1	0	20.65	20.75	20.71	0.0733	0.0750	0.0743
20	16QAM	1	49	20.60	21.08	20.99	0.0724	0.0809	0.0793
20	16QAM	1	99	20.87	20.62	20.56	0.0771	0.0728	0.0718
20	16QAM	50	0	19.82	19.79	19.71	0.0605	0.0601	0.0590
20	16QAM	50	24	19.63	19.75	19.80	0.0579	0.0596	0.0603
20	16QAM	50	50	19.71	19.93	19.66	0.0590	0.0621	0.0583
20	16QAM	100	0	19.77	19.83	19.62	0.0598	0.0607	0.0578
20	64QAM	1	0	19.56	19.86	19.38	0.0570	0.0611	0.0547
20	64QAM	1	49	19.52	19.92	19.59	0.0565	0.0619	0.0574
20	64QAM	1	99	19.86	19.77	19.80	0.0611	0.0598	0.0603
20	64QAM	50	0	18.96	18.82	18.82	0.0497	0.0481	0.0481
20	64QAM	50	24	18.62	18.85	18.90	0.0459	0.0484	0.0490
20	64QAM	50	50	18.61	18.64	18.62	0.0458	0.0461	0.0459
20	64QAM	100	0	18.81	18.63	18.62	0.0480	0.0460	0.0459
20	256QAM	1	0	16.59	16.54	16.89	0.0288	0.0284	0.0308
20	256QAM	1	49	16.61	16.47	16.76	0.0289	0.0280	0.0299
20	256QAM	1	99	16.59	16.55	16.79	0.0288	0.0285	0.0301
20	256QAM	50	0	16.67	16.51	16.80	0.0293	0.0282	0.0302
20	256QAM	50	24	16.59	16.61	16.97	0.0288	0.0289	0.0314
20	256QAM	50	50	16.68	16.60	16.95	0.0294	0.0288	0.0313
20	256QAM	100	0	16.53	16.47	16.76	0.0284	0.0280	0.0299
Channel				42165	42590	43015	EIRP(W)		
Frequency (MHz)				3457.5	3500	3542.5	L	M	H
15	QPSK	1	0	21.50	21.58	21.92	0.0891	0.0908	0.0982
15	QPSK	1	37	21.46	21.46	21.55	0.0883	0.0883	0.0902



15	QPSK	1	74	21.35	21.40	21.45	0.0861	0.0871	0.0881
15	QPSK	36	0	20.74	20.89	20.57	0.0748	0.0774	0.0719
15	QPSK	36	20	20.50	20.71	20.61	0.0708	0.0743	0.0726
15	QPSK	36	39	20.78	20.70	20.51	0.0755	0.0741	0.0710
15	QPSK	75	0	20.52	20.72	20.46	0.0711	0.0745	0.0701
15	16QAM	1	0	20.55	20.68	20.67	0.0716	0.0738	0.0736
15	16QAM	1	37	20.43	20.94	20.81	0.0697	0.0783	0.0760
15	16QAM	1	74	20.71	20.46	20.37	0.0743	0.0701	0.0687
15	16QAM	36	0	19.82	19.70	19.59	0.0605	0.0589	0.0574
15	16QAM	36	20	19.46	19.56	19.62	0.0557	0.0570	0.0578
15	16QAM	36	39	19.55	19.81	19.49	0.0569	0.0604	0.0561
15	16QAM	75	0	19.72	19.77	19.57	0.0592	0.0598	0.0571
15	64QAM	1	0	19.40	19.83	19.33	0.0550	0.0607	0.0541
15	64QAM	1	37	19.39	19.76	19.42	0.0548	0.0597	0.0552
15	64QAM	1	74	19.67	19.61	19.79	0.0585	0.0577	0.0601
15	64QAM	36	0	18.89	18.71	18.75	0.0489	0.0469	0.0473
15	64QAM	36	20	18.62	18.82	18.72	0.0459	0.0481	0.0470
15	64QAM	36	39	18.54	18.53	18.59	0.0451	0.0450	0.0456
15	64QAM	75	0	18.68	18.60	18.58	0.0466	0.0457	0.0455
15	256QAM	1	0	16.55	16.42	16.83	0.0285	0.0277	0.0304
15	256QAM	1	37	16.61	16.43	16.67	0.0289	0.0277	0.0293
15	256QAM	1	74	16.57	16.48	16.59	0.0286	0.0281	0.0288
15	256QAM	36	0	16.66	16.41	16.80	0.0292	0.0276	0.0302
15	256QAM	36	20	16.57	16.56	16.82	0.0286	0.0286	0.0303
15	256QAM	36	39	16.50	16.44	16.89	0.0282	0.0278	0.0308
15	256QAM	75	0	16.49	16.27	16.76	0.0281	0.0267	0.0299
Channel				42140	42590	43040	EIRP(W)		
Frequency (MHz)				3455	3500	3545	L	M	H
10	QPSK	1	0	21.68	21.53	21.81	0.0929	0.0897	0.0957
10	QPSK	1	25	21.53	21.35	21.46	0.0897	0.0861	0.0883
10	QPSK	1	49	21.37	21.41	21.43	0.0865	0.0873	0.0877
10	QPSK	25	0	20.80	20.71	20.64	0.0759	0.0743	0.0731
10	QPSK	25	12	20.53	20.69	20.62	0.0713	0.0740	0.0728
10	QPSK	25	25	20.75	20.71	20.39	0.0750	0.0743	0.0690
10	QPSK	50	0	20.58	20.81	20.52	0.0721	0.0760	0.0711
10	16QAM	1	0	20.45	20.64	20.58	0.0700	0.0731	0.0721
10	16QAM	1	25	20.56	20.95	20.91	0.0718	0.0785	0.0778
10	16QAM	1	49	20.71	20.52	20.43	0.0743	0.0711	0.0697
10	16QAM	25	0	19.74	19.70	19.55	0.0594	0.0589	0.0569
10	16QAM	25	12	19.48	19.55	19.74	0.0560	0.0569	0.0594
10	16QAM	25	25	19.67	19.86	19.48	0.0585	0.0611	0.0560
10	16QAM	50	0	19.75	19.65	19.54	0.0596	0.0582	0.0568
10	64QAM	1	0	19.55	19.75	19.21	0.0569	0.0596	0.0526
10	64QAM	1	25	19.44	19.87	19.46	0.0555	0.0612	0.0557
10	64QAM	1	49	19.68	19.61	19.72	0.0586	0.0577	0.0592
10	64QAM	25	0	18.83	18.65	18.75	0.0482	0.0462	0.0473
10	64QAM	25	12	18.49	18.68	18.87	0.0446	0.0466	0.0486
10	64QAM	25	25	18.58	18.47	18.56	0.0455	0.0444	0.0453

10	64QAM	50	0	18.63	18.50	18.58	0.0460	0.0447	0.0455
10	256QAM	1	0	16.59	16.41	16.70	0.0288	0.0276	0.0295
10	256QAM	1	25	16.43	16.30	16.57	0.0277	0.0269	0.0286
10	256QAM	1	49	16.40	16.41	16.65	0.0275	0.0276	0.0292
10	256QAM	25	0	16.50	16.51	16.65	0.0282	0.0282	0.0292
10	256QAM	25	12	16.41	16.43	16.88	0.0276	0.0277	0.0308
10	256QAM	25	25	16.64	16.40	16.89	0.0291	0.0275	0.0308
10	256QAM	50	0	16.44	16.44	16.61	0.0278	0.0278	0.0289
Channel				42115	42590	43065	EIRP(W)		
Frequency (MHz)				3452.5	3500	3547.5	L	M	H
5	QPSK	1	0	21.55	21.49	21.82	0.0902	0.0889	0.0959
5	QPSK	1	12	21.50	21.46	21.36	0.0891	0.0883	0.0863
5	QPSK	1	24	21.35	21.31	21.29	0.0861	0.0853	0.0849
5	QPSK	12	0	20.73	20.79	20.58	0.0746	0.0757	0.0721
5	QPSK	12	7	20.58	20.74	20.51	0.0721	0.0748	0.0710
5	QPSK	12	13	20.61	20.74	20.43	0.0726	0.0748	0.0697
5	QPSK	25	0	20.55	20.70	20.56	0.0716	0.0741	0.0718
5	16QAM	1	0	20.51	20.66	20.64	0.0710	0.0735	0.0731
5	16QAM	1	12	20.60	21.00	20.83	0.0724	0.0794	0.0764
5	16QAM	1	24	20.73	20.46	20.40	0.0746	0.0701	0.0692
5	16QAM	12	0	19.68	19.59	19.66	0.0586	0.0574	0.0583
5	16QAM	12	7	19.51	19.64	19.62	0.0564	0.0581	0.0578
5	16QAM	12	13	19.62	19.73	19.56	0.0578	0.0593	0.0570
5	16QAM	25	0	19.61	19.69	19.45	0.0577	0.0587	0.0556
5	64QAM	1	0	19.50	19.66	19.28	0.0562	0.0583	0.0535
5	64QAM	1	12	19.40	19.81	19.45	0.0550	0.0604	0.0556
5	64QAM	1	24	19.72	19.69	19.74	0.0592	0.0587	0.0594
5	64QAM	12	0	18.78	18.65	18.73	0.0476	0.0462	0.0471
5	64QAM	12	7	18.48	18.83	18.82	0.0445	0.0482	0.0481
5	64QAM	12	13	18.43	18.49	18.44	0.0440	0.0446	0.0441
5	64QAM	25	0	18.79	18.61	18.43	0.0478	0.0458	0.0440
5	256QAM	1	0	16.55	16.37	16.71	0.0285	0.0274	0.0296
5	256QAM	1	12	16.49	16.43	16.61	0.0281	0.0277	0.0289
5	256QAM	1	24	16.41	16.36	16.78	0.0276	0.0273	0.0301
5	256QAM	12	0	16.67	16.49	16.74	0.0293	0.0281	0.0298
5	256QAM	12	7	16.50	16.56	16.96	0.0282	0.0286	0.0313
5	256QAM	12	13	16.52	16.43	16.76	0.0283	0.0277	0.0299
5	256QAM	25	0	16.40	16.32	16.72	0.0275	0.0270	0.0296



LTE CA_42C:

Combination 20MHz+20MHz (100RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 42190_42388	QPSK	100	0	100	0	19.79	0.0601
	QPSK	1	0	1	99	13.34	0.0136
	QPSK	1	99	1	0	21.81	0.0957
M 42491_42689	QPSK	100	0	100	0	18.78	0.0476
	QPSK	1	0	1	99	12.99	0.0126
	QPSK	1	99	1	0	20.57	0.0719
H 42792_42990	QPSK	100	0	100	0	18.80	0.0479
	QPSK	1	0	1	99	13.52	0.0142
	QPSK	1	99	1	0	19.57	0.0571
L 42190_42388	16QAM	100	0	100	0	16.68	0.0294
	16QAM	1	0	1	99	13.31	0.0135
	16QAM	1	99	1	0	16.61	0.0289
M 42491_42689	16QAM	100	0	100	0	19.93	0.0621
	16QAM	1	0	1	99	13.48	0.0141
	16QAM	1	99	1	0	21.99	0.0998
H 42792_42990	16QAM	100	0	100	0	18.96	0.0497
	16QAM	1	0	1	99	13.15	0.0130
	16QAM	1	99	1	0	20.78	0.0755
L 42190_42388	64QAM	100	0	100	0	18.95	0.0495
	64QAM	1	0	1	99	13.69	0.0148
	64QAM	1	99	1	0	19.77	0.0598
M 42491_42689	64QAM	100	0	100	0	16.86	0.0306
	64QAM	1	0	1	99	13.48	0.0141
	64QAM	1	99	1	0	16.79	0.0301
H 42792_42990	64QAM	100	0	100	0	19.80	0.0603
	64QAM	1	0	1	99	13.40	0.0138
	64QAM	1	99	1	0	21.81	0.0957
L 42190_42388	256QAM	100	0	100	0	18.78	0.0476
	256QAM	1	0	1	99	13.01	0.0126
	256QAM	1	99	1	0	20.58	0.0721
M 42491_42689	256QAM	100	0	100	0	18.84	0.0483
	256QAM	1	0	1	99	13.57	0.0144
	256QAM	1	99	1	0	19.62	0.0578
H 42792_42990	256QAM	100	0	100	0	16.75	0.0299
	256QAM	1	0	1	99	13.36	0.0137
	256QAM	1	99	1	0	16.62	0.0290
Combination 20MHz+15MHz (100RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 42190_42361	QPSK	100	0	75	0	19.66	0.0583
	QPSK	1	0	1	74	13.33	0.0136
	QPSK	1	99	1	0	21.77	0.0948
M	QPSK	100	0	75	0	18.74	0.0472

42516_42687	QPSK	1	0	1	74	12.87	0.0122
	QPSK	1	99	1	0	20.55	0.0716
H 42841_43012	QPSK	100	0	75	0	18.67	0.0465
	QPSK	1	0	1	74	13.35	0.0136
	QPSK	1	99	1	0	19.52	0.0565
L 42190_42361	16QAM	100	0	75	0	16.50	0.0282
	16QAM	1	0	1	74	13.07	0.0128
	16QAM	1	99	1	0	16.44	0.0278
M 42516_42687	16QAM	100	0	75	0	19.82	0.0605
	16QAM	1	0	1	74	13.29	0.0135
	16QAM	1	99	1	0	21.81	0.0957
H 42841_43012	16QAM	100	0	75	0	18.80	0.0479
	16QAM	1	0	1	74	12.97	0.0125
	16QAM	1	99	1	0	20.55	0.0716
L 42190_42361	64QAM	100	0	75	0	18.88	0.0488
	64QAM	1	0	1	74	13.55	0.0143
	64QAM	1	99	1	0	19.69	0.0587
M 42516_42687	64QAM	100	0	75	0	16.76	0.0299
	64QAM	1	0	1	74	13.23	0.0133
	64QAM	1	99	1	0	16.54	0.0284
H 42841_43012	64QAM	100	0	75	0	19.79	0.0601
	64QAM	1	0	1	74	13.17	0.0131
	64QAM	1	99	1	0	21.69	0.0931
L 42190_42361	256QAM	100	0	75	0	18.74	0.0472
	256QAM	1	0	1	74	12.90	0.0123
	256QAM	1	99	1	0	20.49	0.0706
M 42516_42687	256QAM	100	0	75	0	18.71	0.0469
	256QAM	1	0	1	74	13.44	0.0139
	256QAM	1	99	1	0	19.45	0.0556
H 42841_43012	256QAM	100	0	75	0	16.70	0.0295
	256QAM	1	0	1	74	13.29	0.0135
	256QAM	1	99	1	0	16.42	0.0277
Combination 15MHz+20MHz (100RB+75RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 42168_42339	QPSK	75	0	100	0	19.54	0.0568
	QPSK	1	0	1	99	13.13	0.0130
	QPSK	1	74	1	0	21.60	0.0912
M 42493_42664	QPSK	75	0	100	0	18.65	0.0462
	QPSK	1	0	1	99	12.95	0.0124
	QPSK	1	74	1	0	20.52	0.0711
H 42819_42990	QPSK	75	0	100	0	18.59	0.0456
	QPSK	1	0	1	99	13.43	0.0139
	QPSK	1	74	1	0	19.50	0.0562
L 42168_42339	16QAM	75	0	100	0	16.44	0.0278
	16QAM	1	0	1	99	13.30	0.0135
	16QAM	1	74	1	0	16.49	0.0281
M	16QAM	75	0	100	0	19.89	0.0615

42493_42664	16QAM	1	0	1	99	13.38	0.0137
	16QAM	1	74	1	0	21.95	0.0989
H 42819_42990	16QAM	75	0	100	0	18.89	0.0489
	16QAM	1	0	1	99	12.96	0.0125
	16QAM	1	74	1	0	20.67	0.0736
L 42168_42339	64QAM	75	0	100	0	18.73	0.0471
	64QAM	1	0	1	99	13.52	0.0142
	64QAM	1	74	1	0	19.56	0.0570
M 42493_42664	64QAM	75	0	100	0	16.83	0.0304
	64QAM	1	0	1	99	13.38	0.0137
	64QAM	1	74	1	0	16.60	0.0288
H 42819_42990	64QAM	75	0	100	0	19.56	0.0570
	64QAM	1	0	1	99	13.22	0.0132
	64QAM	1	74	1	0	21.66	0.0925
L 42168_42339	256QAM	75	0	100	0	18.61	0.0458
	256QAM	1	0	1	99	12.82	0.0121
	256QAM	1	74	1	0	20.35	0.0684
M 42493_42664	256QAM	75	0	100	0	18.63	0.0460
	256QAM	1	0	1	99	13.33	0.0136
	256QAM	1	74	1	0	19.39	0.0548
H 42819_42990	256QAM	75	0	100	0	16.67	0.0293
	256QAM	1	0	1	99	13.23	0.0133
	256QAM	1	74	1	0	16.43	0.0277
Combination 20MHz+10MHz (100RB+50RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 42190_42334	QPSK	100	0	50	0	19.60	0.0575
	QPSK	1	0	1	49	13.11	0.0129
	QPSK	1	99	1	0	21.60	0.0912
M 42541_42685	QPSK	100	0	50	0	18.64	0.0461
	QPSK	1	0	1	49	12.78	0.0120
	QPSK	1	99	1	0	20.38	0.0689
H 42891_43035	QPSK	100	0	50	0	18.71	0.0469
	QPSK	1	0	1	49	13.42	0.0139
	QPSK	1	99	1	0	19.45	0.0556
L 42190_42334	16QAM	100	0	50	0	16.58	0.0287
	16QAM	1	0	1	49	13.19	0.0132
	16QAM	1	99	1	0	16.45	0.0279
M 42541_42685	16QAM	100	0	50	0	19.84	0.0608
	16QAM	1	0	1	49	13.26	0.0134
	16QAM	1	99	1	0	21.96	0.0991
H 42891_43035	16QAM	100	0	50	0	18.80	0.0479
	16QAM	1	0	1	49	12.95	0.0124
	16QAM	1	99	1	0	20.54	0.0714
L 42190_42334	64QAM	100	0	50	0	18.89	0.0489
	64QAM	1	0	1	49	13.44	0.0139
	64QAM	1	99	1	0	19.74	0.0594
M 42541_42685	64QAM	100	0	50	0	16.67	0.0293
	64QAM	1	0	1	49	13.45	0.0140
	64QAM	1	99	1	0	16.72	0.0296
H	64QAM	100	0	50	0	19.62	0.0578



42891_43035	64QAM	1	0	1	49	13.33	0.0136
	64QAM	1	99	1	0	21.74	0.0942
L 42190_42334	256QAM	100	0	50	0	18.64	0.0461
	256QAM	1	0	1	49	12.95	0.0124
	256QAM	1	99	1	0	20.40	0.0692
M 42541_42685	256QAM	100	0	50	0	18.62	0.0459
	256QAM	1	0	1	49	13.44	0.0139
	256QAM	1	99	1	0	19.59	0.0574
H 42891_43035	256QAM	100	0	50	0	16.67	0.0293
	256QAM	1	0	1	49	13.33	0.0136
	256QAM	1	99	1	0	16.50	0.0282
Combination 10MHz+20MHz (50RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 42145_42289	QPSK	50	0	100	0	19.60	0.0575
	QPSK	1	0	1	99	13.31	0.0135
	QPSK	1	49	1	0	21.67	0.0927
M 42496_42640	QPSK	50	0	100	0	18.54	0.0451
	QPSK	1	0	1	99	12.78	0.0120
	QPSK	1	49	1	0	20.47	0.0703
H 42846_42990	QPSK	50	0	100	0	18.58	0.0455
	QPSK	1	0	1	99	13.49	0.0141
	QPSK	1	49	1	0	19.40	0.0550
L 42145_42289	16QAM	50	0	100	0	16.45	0.0279
	16QAM	1	0	1	99	13.28	0.0134
	16QAM	1	49	1	0	16.56	0.0286
M 42496_42640	16QAM	50	0	100	0	19.73	0.0593
	16QAM	1	0	1	99	13.30	0.0135
	16QAM	1	49	1	0	21.95	0.0989
H 42846_42990	16QAM	50	0	100	0	18.79	0.0478
	16QAM	1	0	1	99	13.07	0.0128
	16QAM	1	49	1	0	20.76	0.0752
L 42145_42289	64QAM	50	0	100	0	18.90	0.0490
	64QAM	1	0	1	99	13.48	0.0141
	64QAM	1	49	1	0	19.67	0.0585
M 42496_42640	64QAM	50	0	100	0	16.80	0.0302
	64QAM	1	0	1	99	13.30	0.0135
	64QAM	1	49	1	0	16.73	0.0297
H 42846_42990	64QAM	50	0	100	0	19.72	0.0592
	64QAM	1	0	1	99	13.20	0.0132
	64QAM	1	49	1	0	21.63	0.0918
L 42145_42289	256QAM	50	0	100	0	18.65	0.0462
	256QAM	1	0	1	99	12.98	0.0125
	256QAM	1	49	1	0	20.41	0.0693
M 42496_42640	256QAM	50	0	100	0	18.61	0.0458
	256QAM	1	0	1	99	13.35	0.0136
	256QAM	1	49	1	0	19.47	0.0558
H 42846_42990	256QAM	50	0	100	0	16.60	0.0288
	256QAM	1	0	1	99	13.22	0.0132
	256QAM	1	49	1	0	16.59	0.0288
Combination 20MHz+5MHz (100RB+25RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		

L 42190_42307	QPSK	100	0	25	0	19.72	0.0592
	QPSK	1	0	1	24	13.12	0.0129
	QPSK	1	99	1	0	21.80	0.0955
M 42565_42682	QPSK	100	0	25	0	18.62	0.0459
	QPSK	1	0	1	24	12.89	0.0123
	QPSK	1	99	1	0	20.48	0.0705
H 42940_43057	QPSK	100	0	25	0	18.62	0.0459
	QPSK	1	0	1	24	13.40	0.0138
	QPSK	1	99	1	0	19.45	0.0556
L 42190_42307	16QAM	100	0	25	0	16.64	0.0291
	16QAM	1	0	1	24	13.18	0.0131
	16QAM	1	99	1	0	16.45	0.0279
M 42565_42682	16QAM	100	0	25	0	19.92	0.0619
	16QAM	1	0	1	24	13.38	0.0137
	16QAM	1	99	1	0	21.84	0.0964
H 42940_43057	16QAM	100	0	25	0	18.75	0.0473
	16QAM	1	0	1	24	13.11	0.0129
	16QAM	1	99	1	0	20.70	0.0741
L 42190_42307	64QAM	100	0	25	0	18.70	0.0468
	64QAM	1	0	1	24	13.56	0.0143
	64QAM	1	99	1	0	19.61	0.0577
M 42565_42682	64QAM	100	0	25	0	16.75	0.0299
	64QAM	1	0	1	24	13.36	0.0137
	64QAM	1	99	1	0	16.76	0.0299
H 42940_43057	64QAM	100	0	25	0	19.58	0.0573
	64QAM	1	0	1	24	13.34	0.0136
	64QAM	1	99	1	0	21.57	0.0906
L 42190_42307	256QAM	100	0	25	0	18.61	0.0458
	256QAM	1	0	1	24	12.92	0.0124
	256QAM	1	99	1	0	20.53	0.0713
M 42565_42682	256QAM	100	0	25	0	18.66	0.0463
	256QAM	1	0	1	24	13.37	0.0137
	256QAM	1	99	1	0	19.58	0.0573
H 42940_43057	256QAM	100	0	25	0	16.71	0.0296
	256QAM	1	0	1	24	13.15	0.0130
	256QAM	1	99	1	0	16.43	0.0277
Combination 5MHz+20MHz (25RB+100RB)							
Channel	Modulation	PCC		SCC		Measured Power	EIRP(W)
		RB Size	RB offset	RB Size	RB offset		
L 42123_42240	QPSK	25	0	100	0	19.70	0.0589
	QPSK	1	0	1	99	13.33	0.0136
	QPSK	1	24	1	0	21.60	0.0912
M 42498_42615	QPSK	25	0	100	0	18.74	0.0472
	QPSK	1	0	1	99	12.87	0.0122
	QPSK	1	24	1	0	20.45	0.0700
H 42498_42990	QPSK	25	0	100	0	18.55	0.0452
	QPSK	1	0	1	99	13.51	0.0142
	QPSK	1	24	1	0	19.43	0.0553
L 42123_42240	16QAM	25	0	100	0	16.56	0.0286
	16QAM	1	0	1	99	13.08	0.0128
	16QAM	1	24	1	0	16.41	0.0276
M 42498_42615	16QAM	25	0	100	0	19.86	0.0611
	16QAM	1	0	1	99	13.35	0.0136

	16QAM	1	24	1	0	21.83	0.0962
H 42498_42990	16QAM	25	0	100	0	18.90	0.0490
	16QAM	1	0	1	99	13.10	0.0129
	16QAM	1	24	1	0	20.64	0.0731
L 42123_42240	64QAM	25	0	100	0	18.87	0.0486
	64QAM	1	0	1	99	13.67	0.0147
	64QAM	1	24	1	0	19.71	0.0590
M 42498_42615	64QAM	25	0	100	0	16.84	0.0305
	64QAM	1	0	1	99	13.40	0.0138
	64QAM	1	24	1	0	16.78	0.0301
H 42498_42990	64QAM	25	0	100	0	19.63	0.0579
	64QAM	1	0	1	99	13.38	0.0137
	64QAM	1	24	1	0	21.73	0.0940
L 42123_42240	256QAM	25	0	100	0	18.62	0.0459
	256QAM	1	0	1	99	12.97	0.0125
	256QAM	1	24	1	0	20.34	0.0682
M 42498_42615	256QAM	25	0	100	0	18.79	0.0478
	256QAM	1	0	1	99	13.32	0.0136
	256QAM	1	24	1	0	19.57	0.0571
H 42498_42990	256QAM	25	0	100	0	16.68	0.0294
	256QAM	1	0	1	99	13.16	0.0131
	256QAM	1	24	1	0	16.50	0.0282

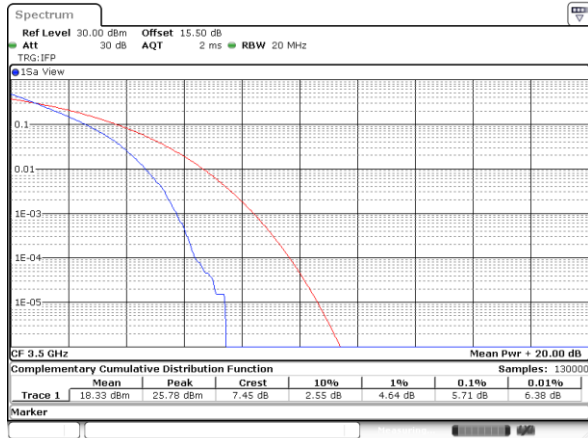
LTE Band 42

Peak-to-Average Ratio

Mode	LTE Band 42 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.71	6.58	6.84	PASS

LTE Band 42 / 20MHz / QPSK

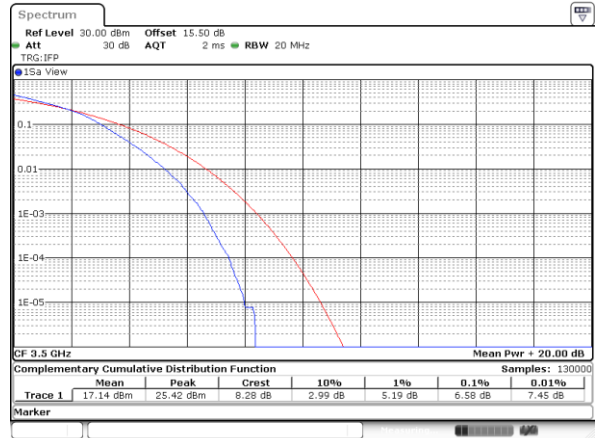
Middle Channel / Full RB



Date: 10.MAR.2026 10:27:59

LTE Band 42 / 20MHz / 16QAM

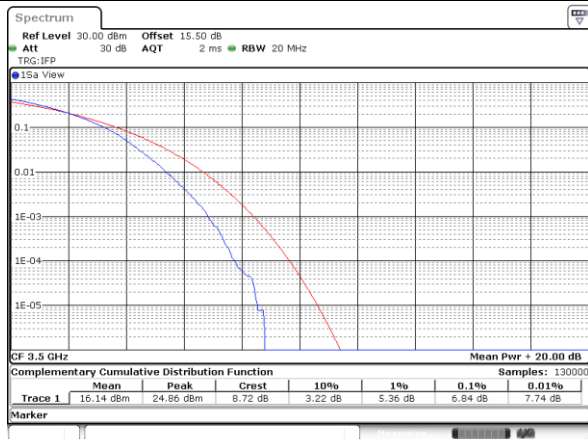
Middle Channel / Full RB



Date: 10.MAR.2026 10:28:26

LTE Band 42 / 20MHz / 64QAM

Middle Channel / Full RB



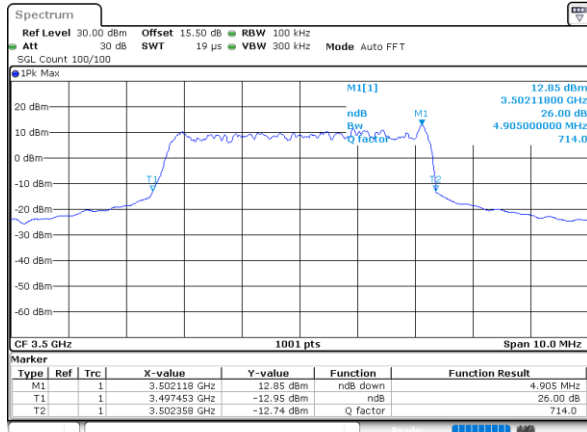
Date: 10.MAR.2026 10:28:52

26dB Bandwidth

Mode	LTE Band 42 : 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	-	-	-	-	4.91	4.76	9.91	9.63	14.12	14.42	18.82	18.98

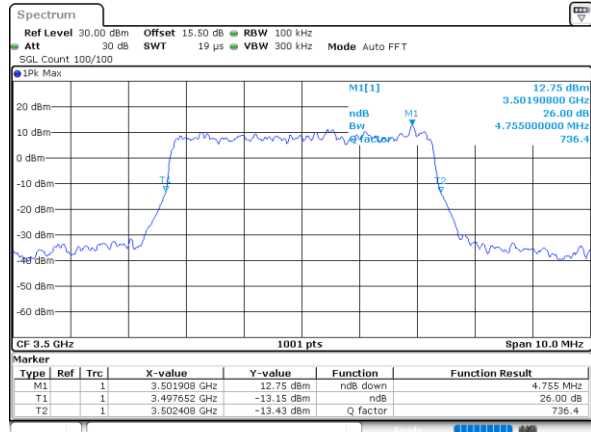
LTE Band 42

Middle Channel / 5MHz / QPSK



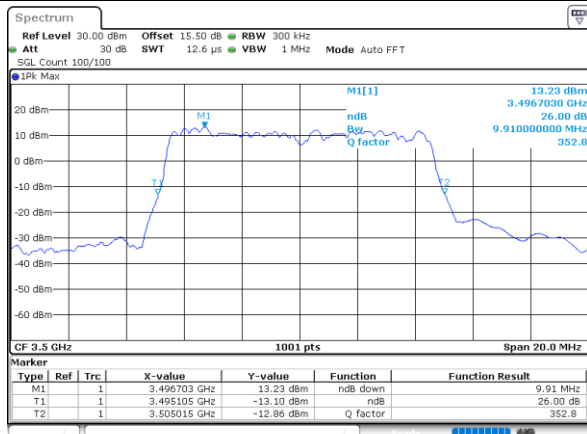
Date: 10, MAR, 2026 09:12:02

Middle Channel / 5MHz / 16QAM



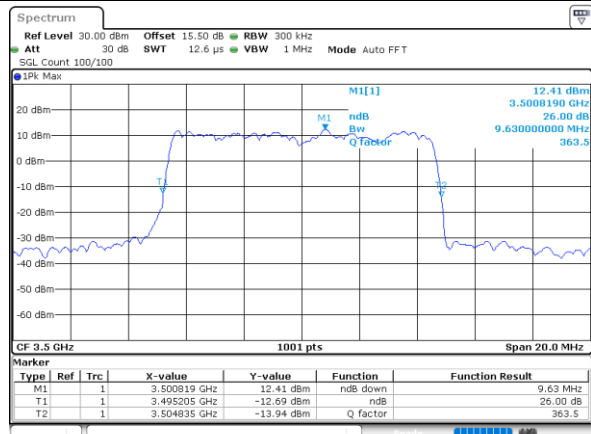
Date: 10, MAR, 2026 09:12:42

Middle Channel / 10MHz / QPSK



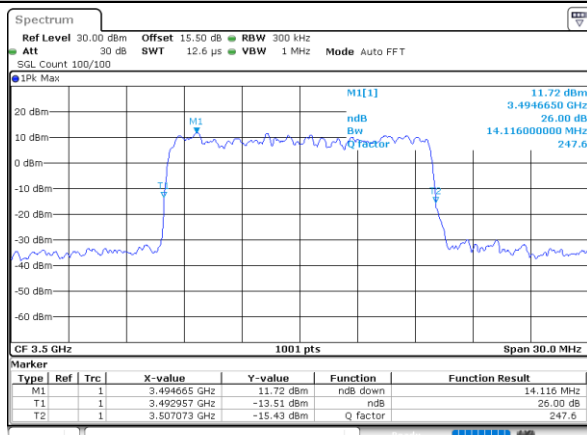
Date: 10, MAR, 2026 09:15:40

Middle Channel / 10MHz / 16QAM



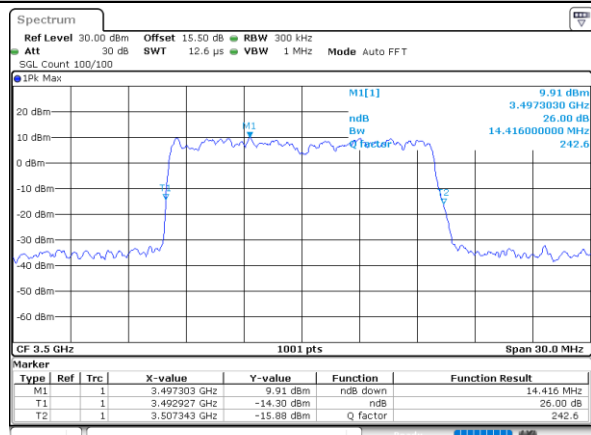
Date: 10, MAR, 2026 09:15:19

Middle Channel / 15MHz / QPSK



Date: 10, MAR, 2026 10:12:46

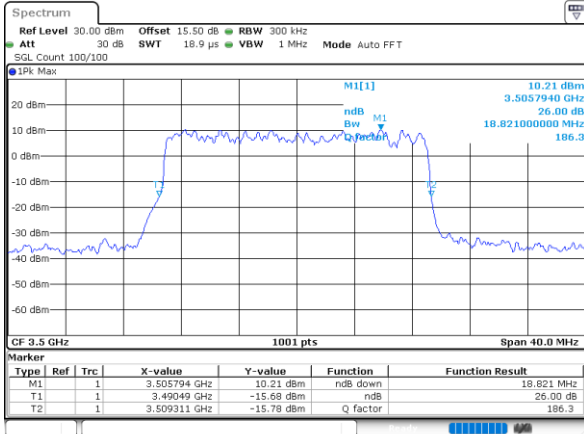
Middle Channel / 15MHz / 16QAM



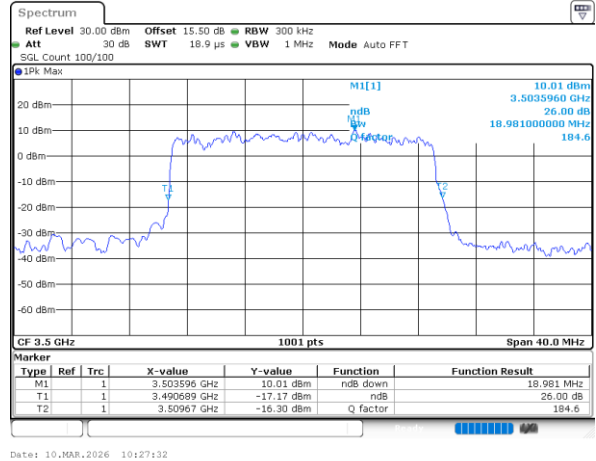
Date: 10, MAR, 2026 10:13:26

LTE Band 42

Middle Channel / 20MHz / QPSK

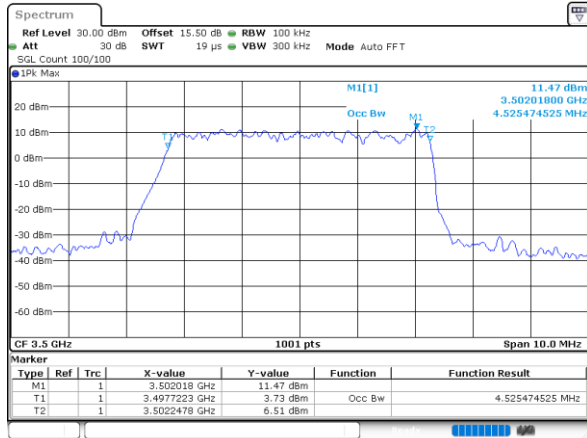
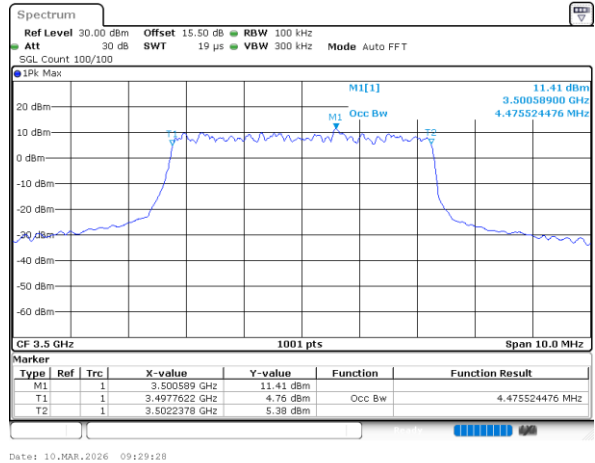
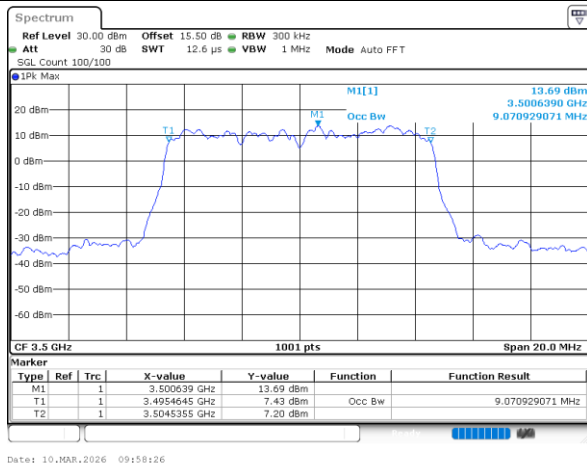
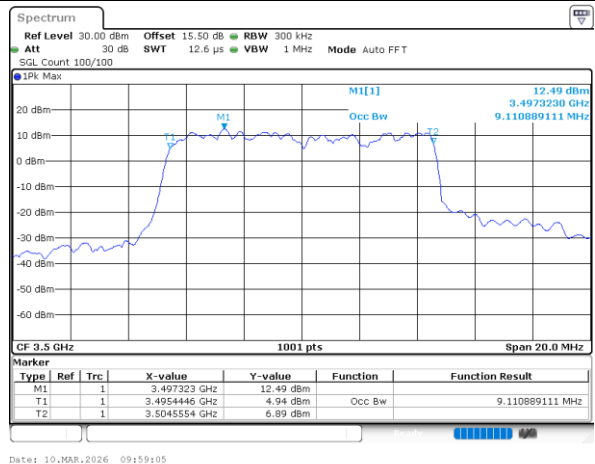
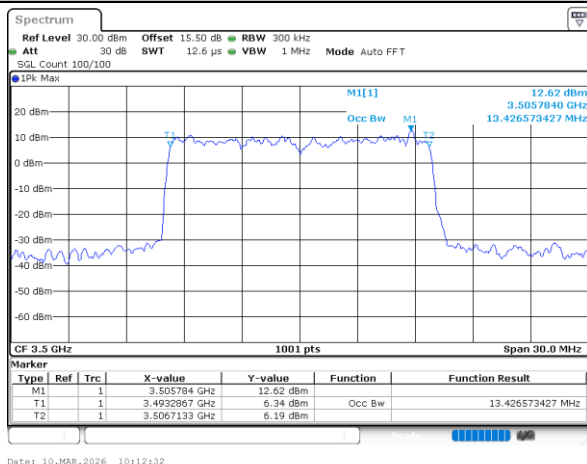
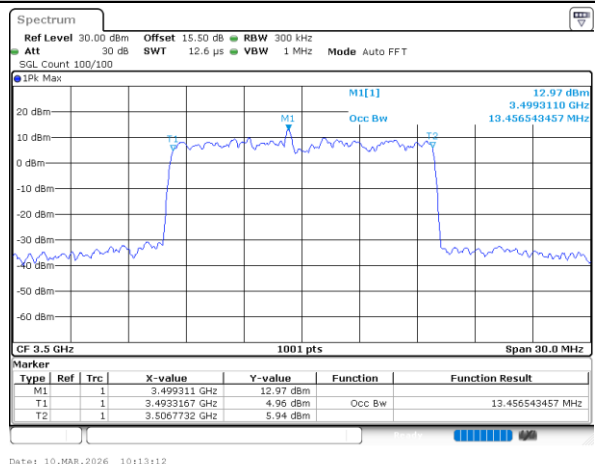


Middle Channel / 20MHz / 16QAM



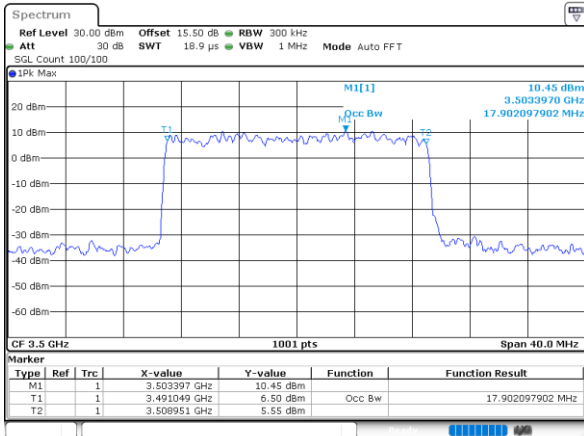
Occupied Bandwidth

Mode	LTE Band 42 : 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	-	-	-	-	4.53	4.48	9.07	9.11	13.43	13.46	17.90	17.94

LTE Band 42
Middle Channel / 5MHz / QPSK

Middle Channel / 5MHz / 16QAM

Middle Channel / 10MHz / QPSK

Middle Channel / 10MHz / 16QAM

Middle Channel / 15MHz / QPSK

Middle Channel / 15MHz / 16QAM


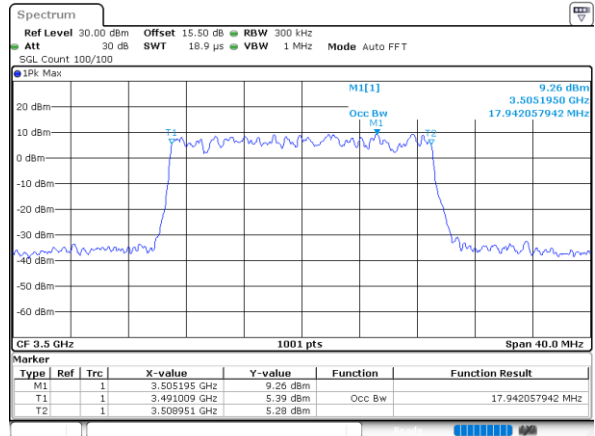
LTE Band 42

Middle Channel / 20MHz / QPSK



Date: 10.MAR.2026 10:26:39

Middle Channel / 20MHz / 16QAM



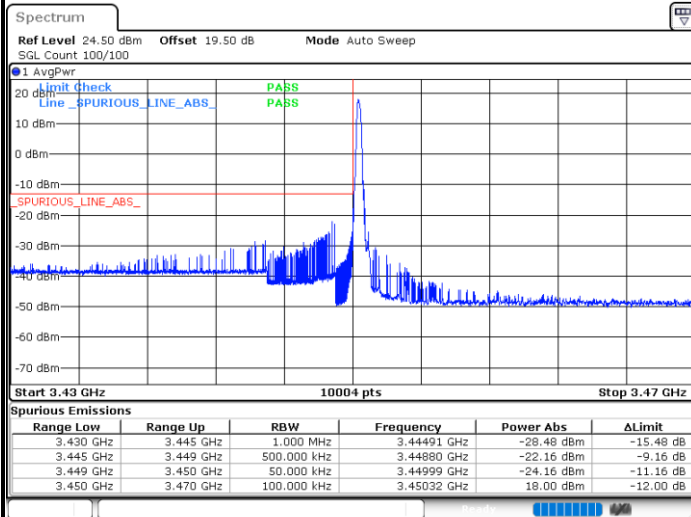
Date: 10.MAR.2026 10:27:18



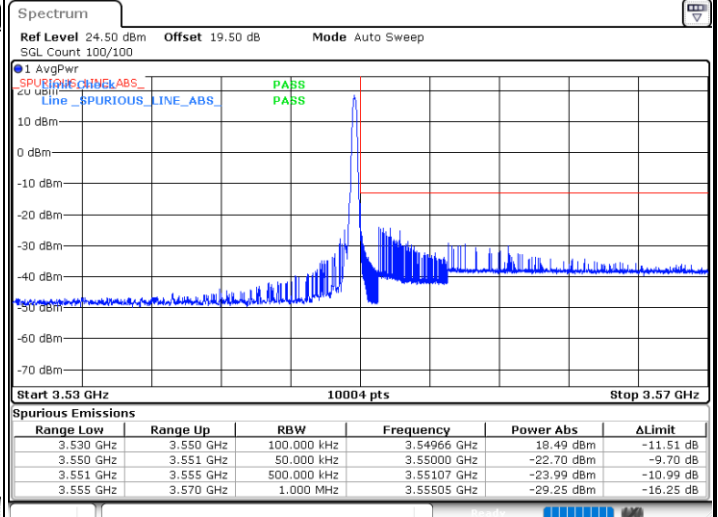
Conducted Band Edge

LTE Band 42 / 5MHz / QPSK

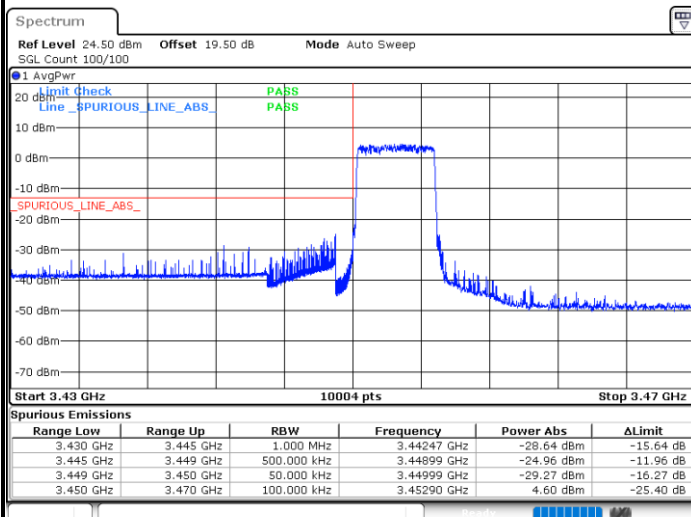
Lowest Band Edge / 1 RB



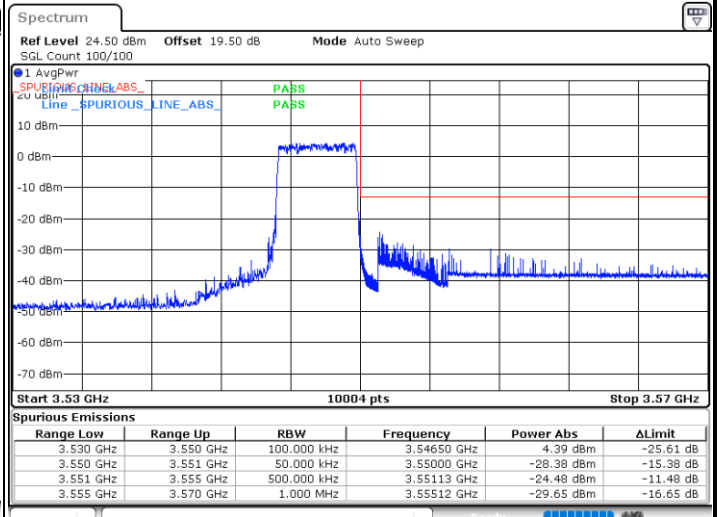
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



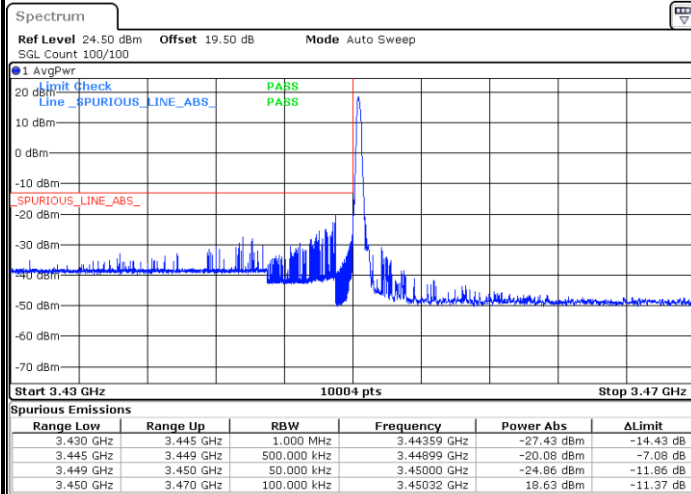
Highest Band Edge / Full RB





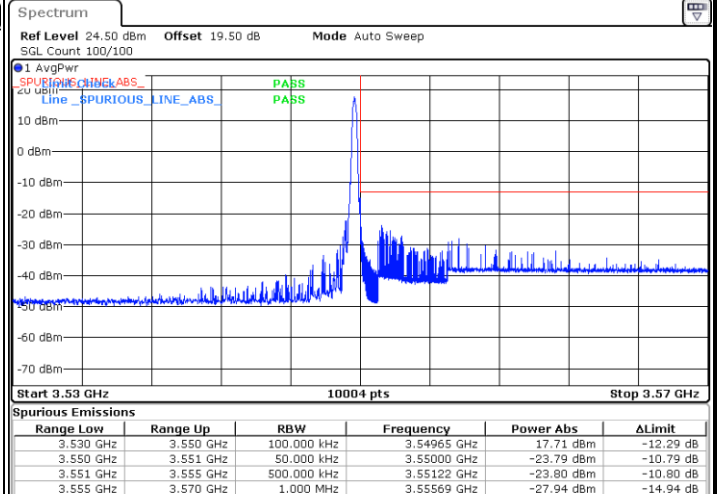
LTE Band 42 / 5MHz / 16QAM

Lowest Band Edge / 1RB



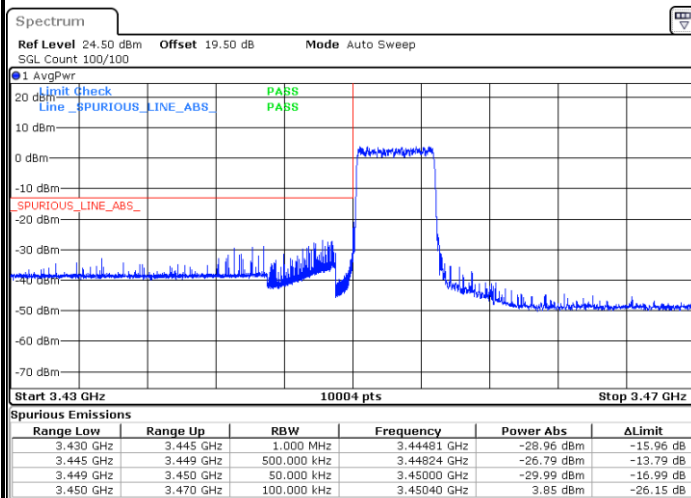
Date: 10.MAR.2026 09:23:03

Highest Band Edge / 1 RB



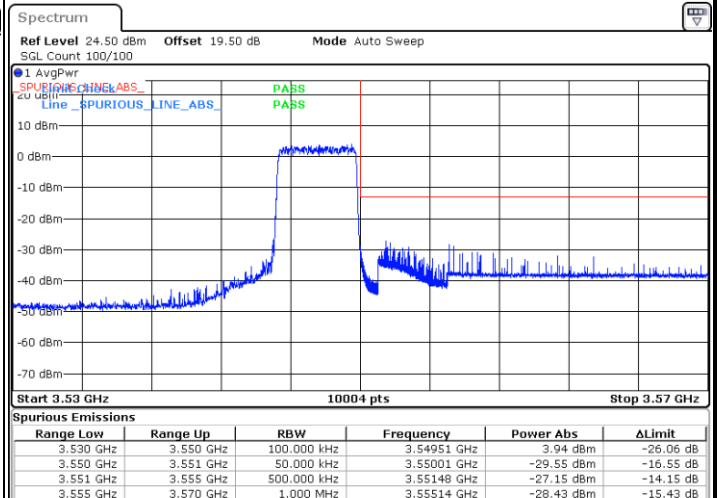
Date: 10.MAR.2026 09:31:02

Lowest Band Edge / Full RB



Date: 10.MAR.2026 09:25:04

Highest Band Edge / Full RB

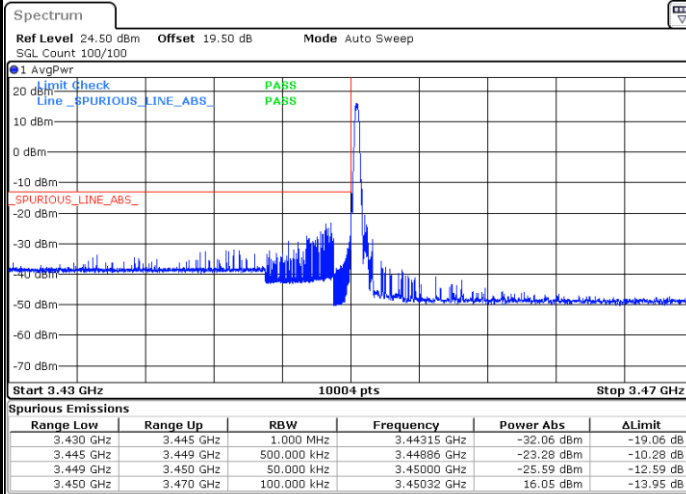


Date: 10.MAR.2026 09:33:03

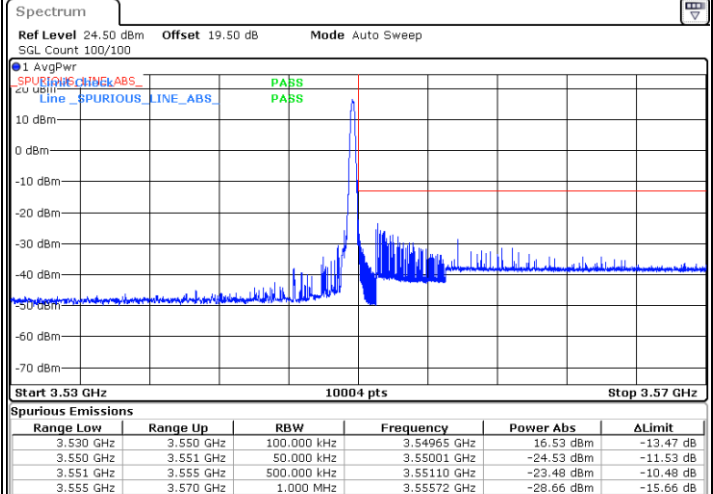


LTE Band 42 / 5MHz / 64QAM

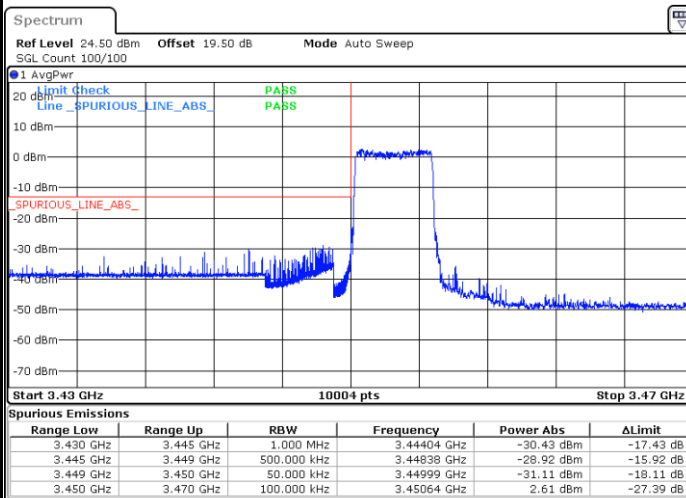
Lowest Band Edge / 1RB



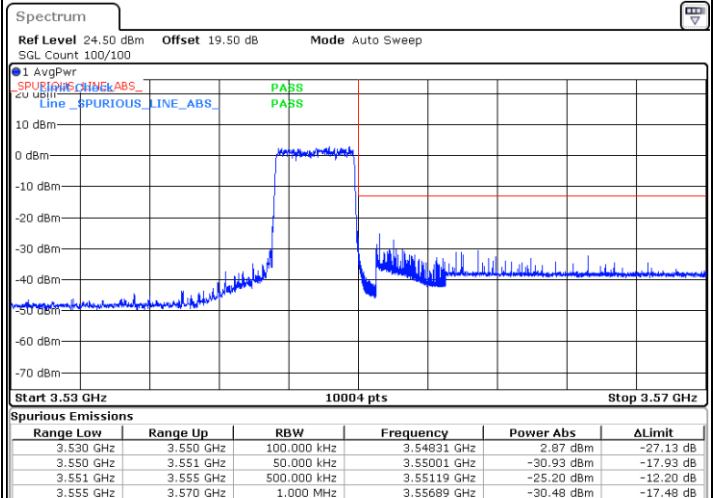
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



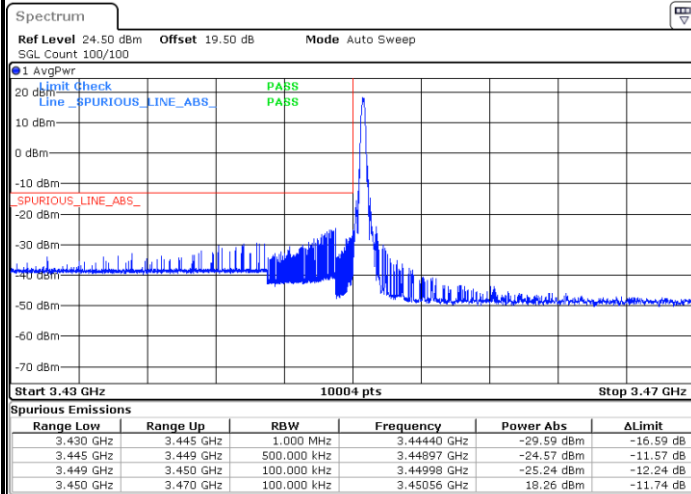
Highest Band Edge / Full RB



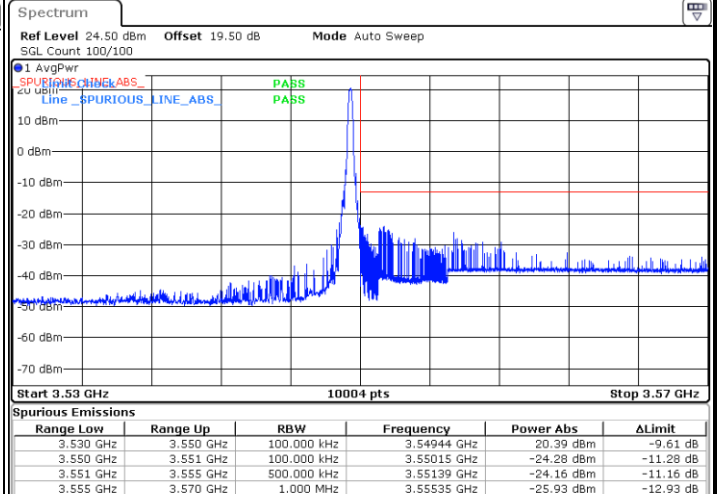


LTE Band 42 / 10MHz / QPSK

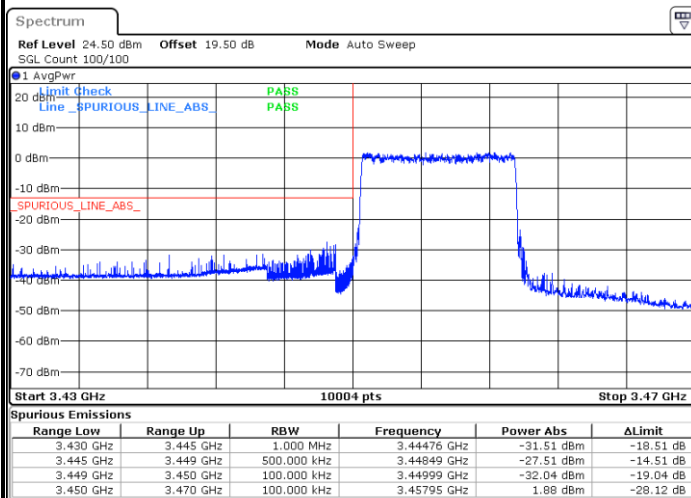
Lowest Band Edge / 1 RB



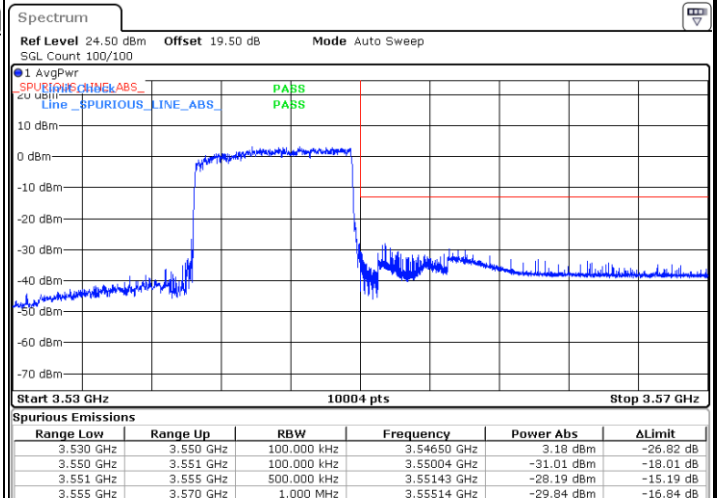
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



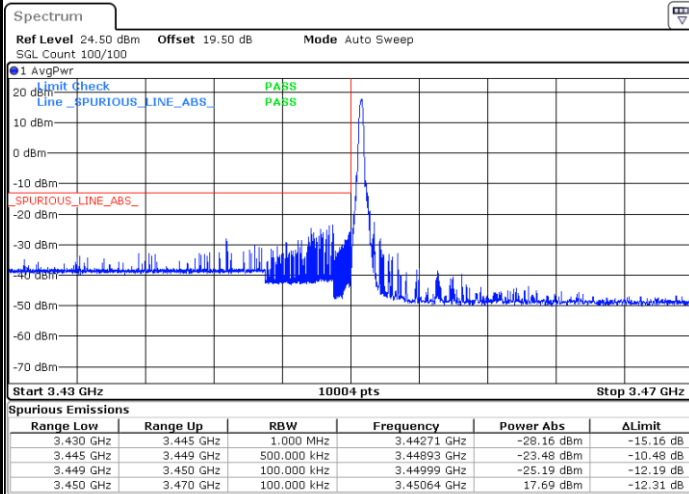
Highest Band Edge / Full RB



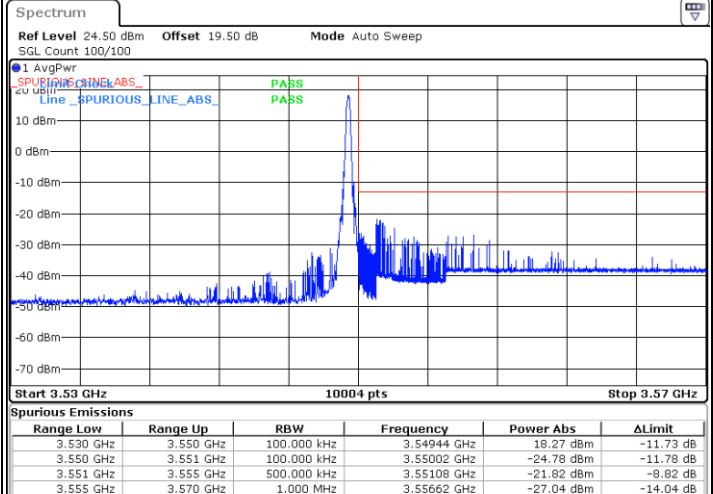


LTE Band 42 / 10MHz / 16QAM

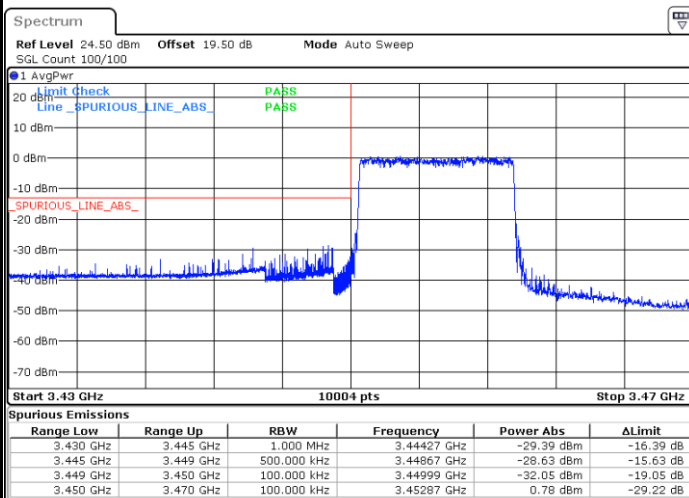
Lowest Band Edge / 1RB



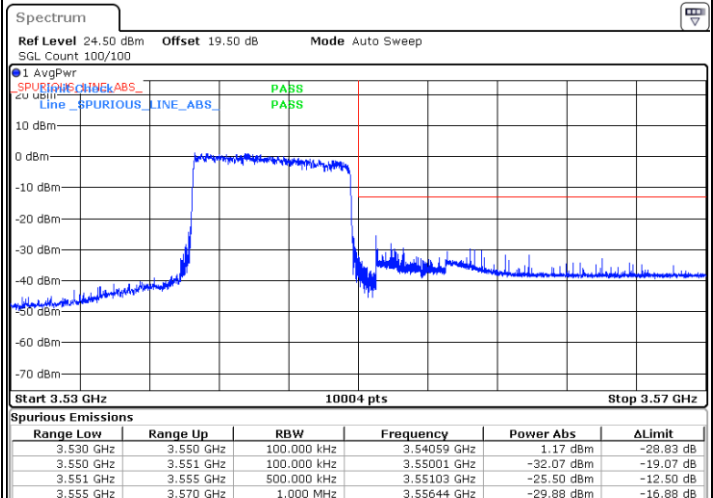
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



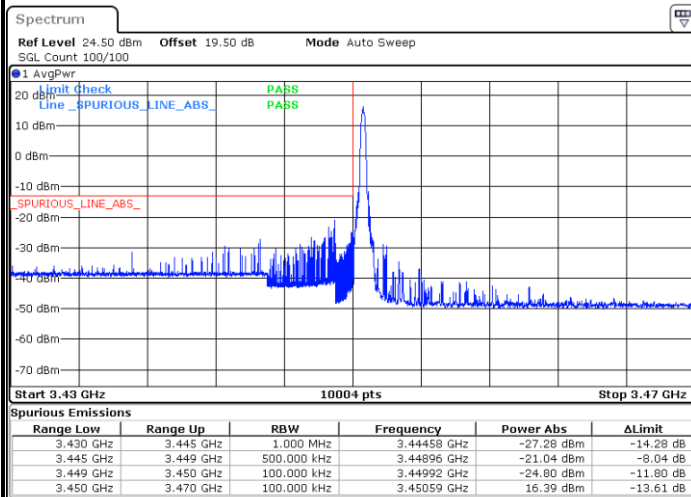
Highest Band Edge / Full RB



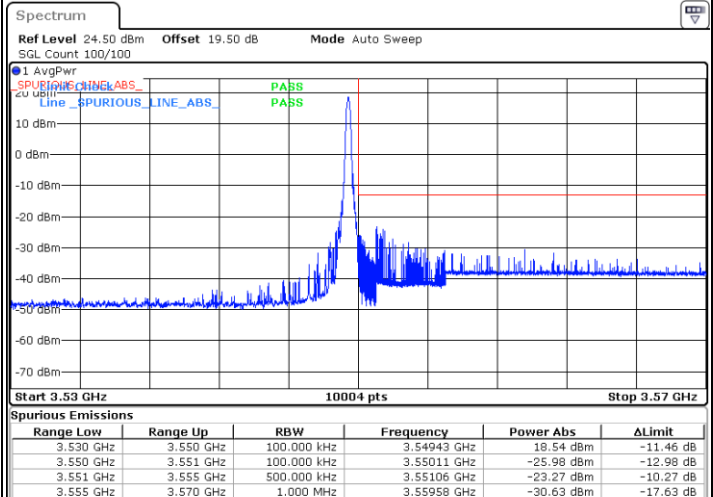


LTE Band 42 / 10MHz / 64QAM

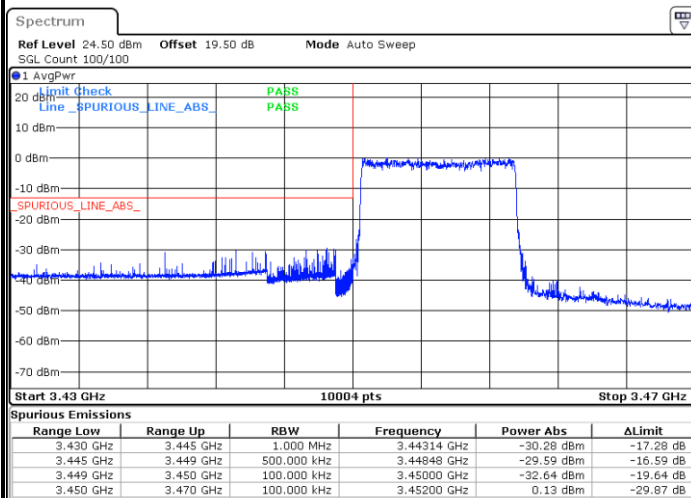
Lowest Band Edge / 1RB



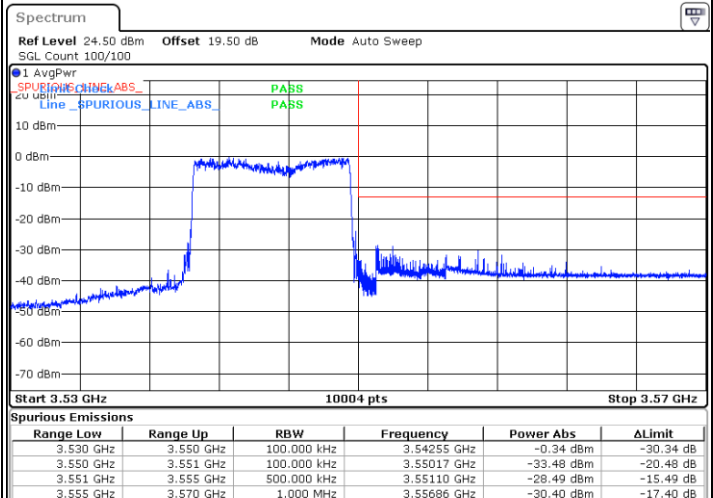
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



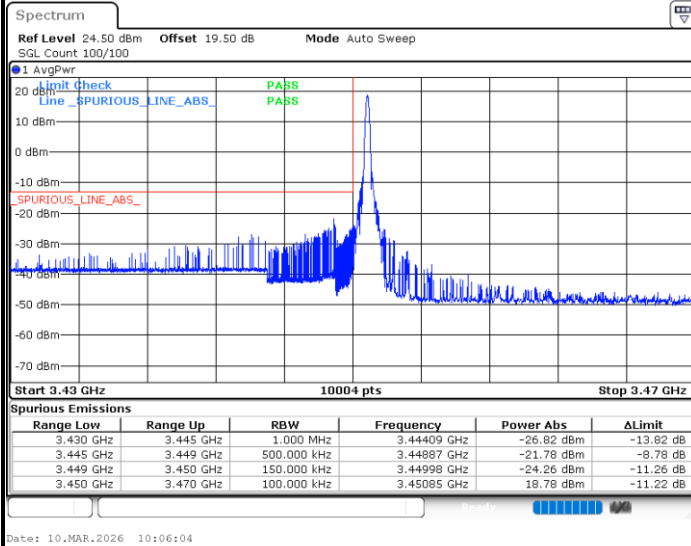
Highest Band Edge / Full RB



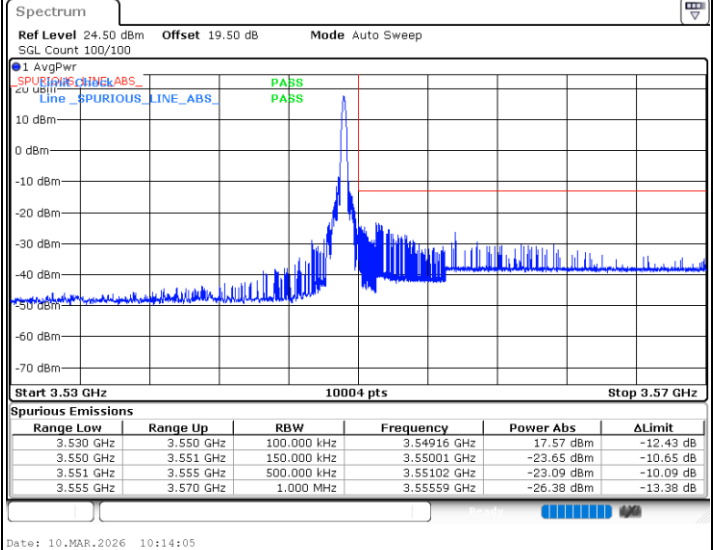


LTE Band 42 / 15MHz / QPSK

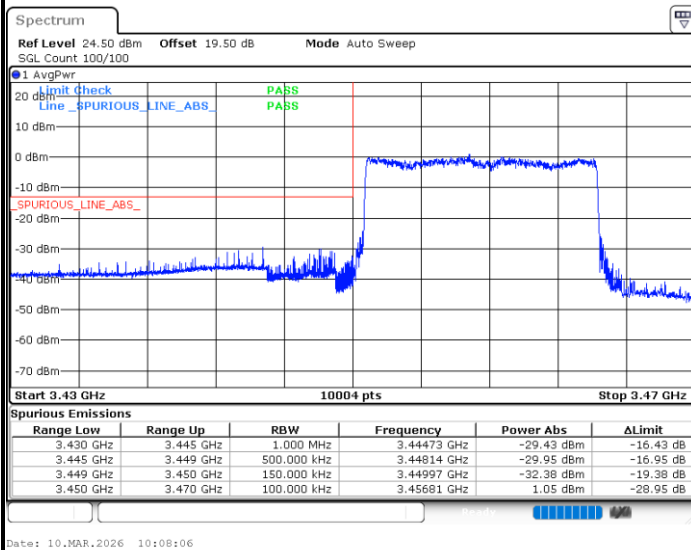
Lowest Band Edge / 1 RB



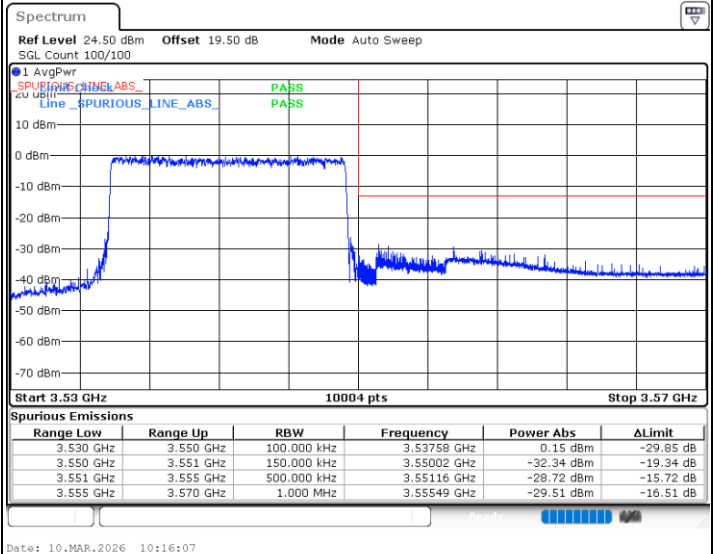
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



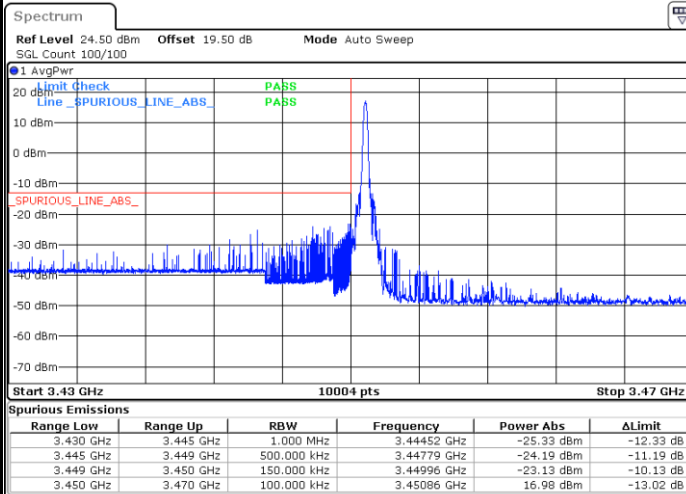
Highest Band Edge / Full RB



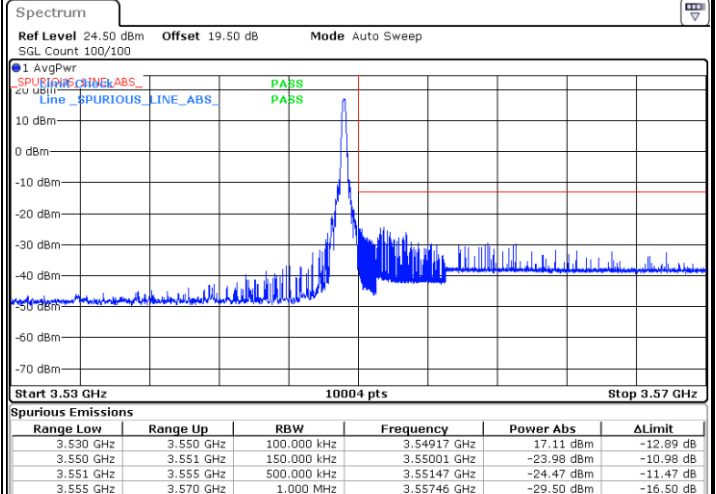


LTE Band 42 / 15MHz / 16QAM

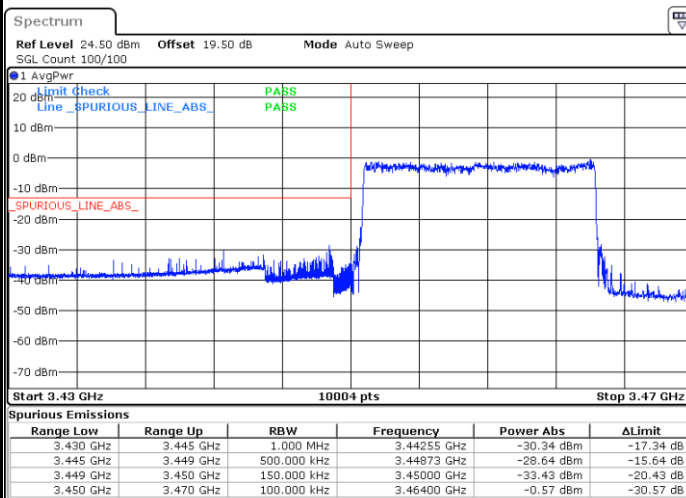
Lowest Band Edge / 1RB



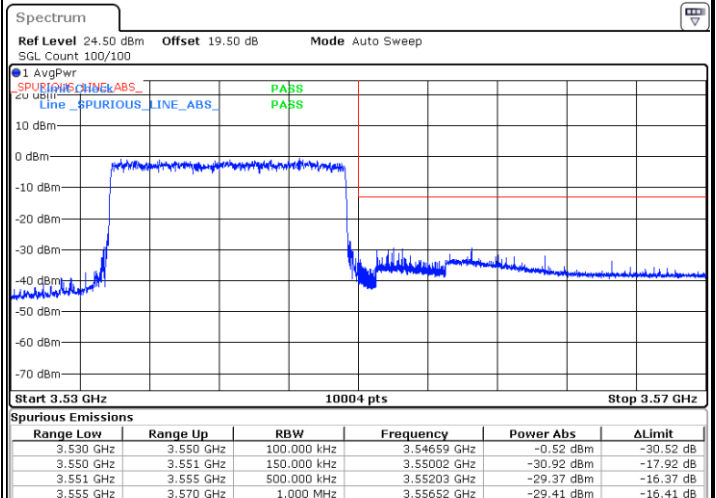
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



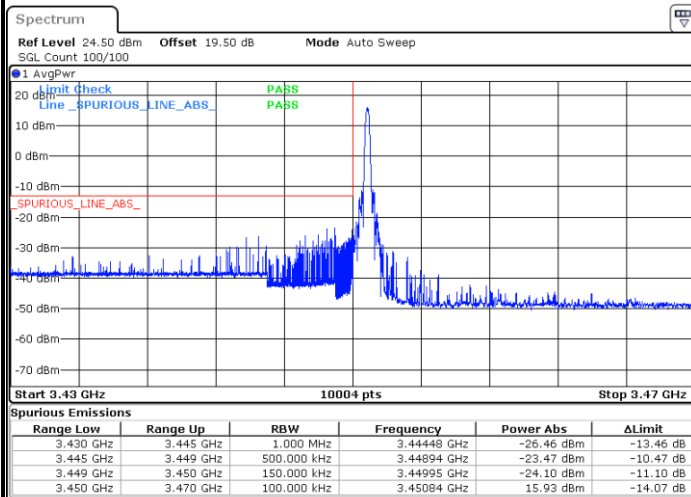
Highest Band Edge / Full RB



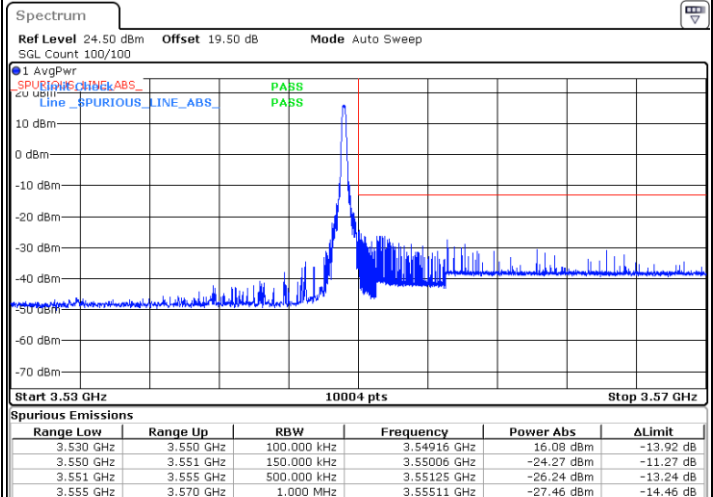


LTE Band 42 / 15MHz / 64QAM

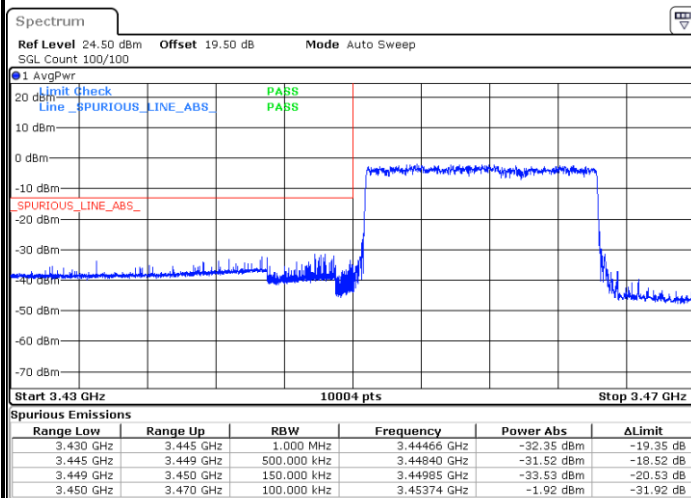
Lowest Band Edge / 1RB



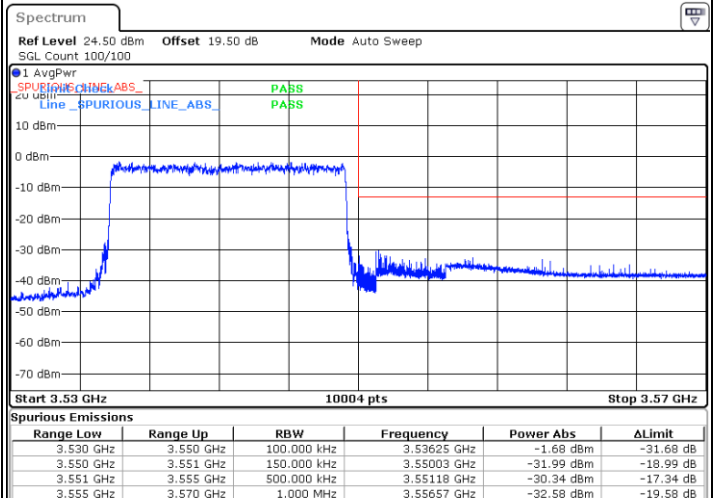
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



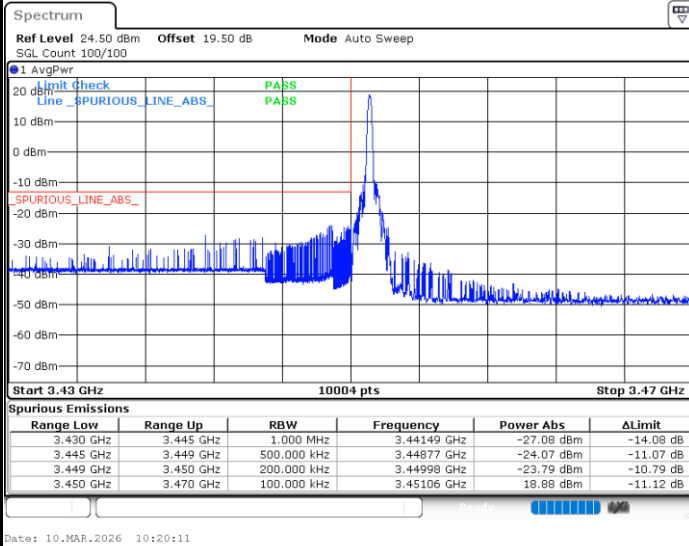
Highest Band Edge / Full RB



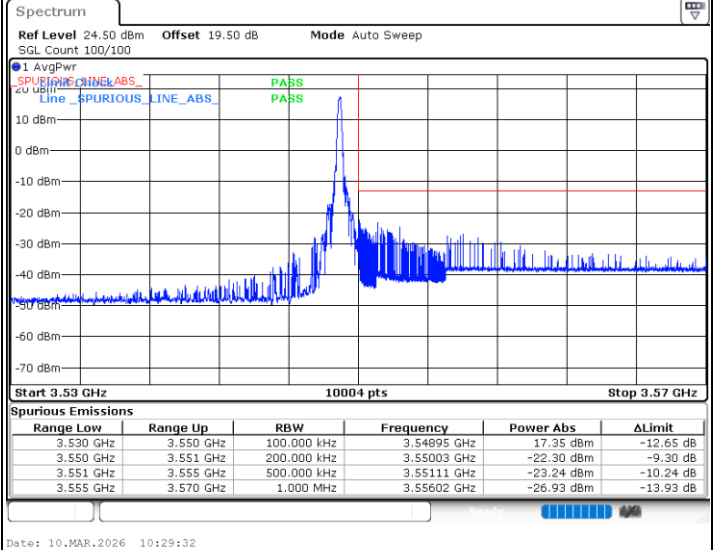


LTE Band 42 / 20MHz / QPSK

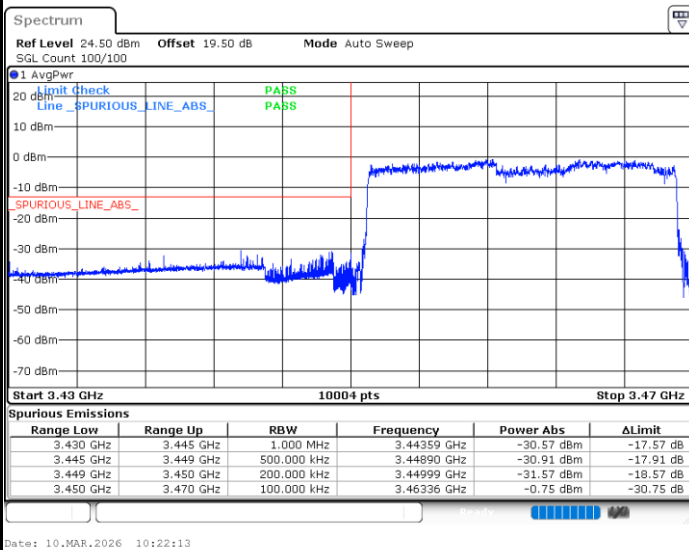
Lowest Band Edge / 1 RB



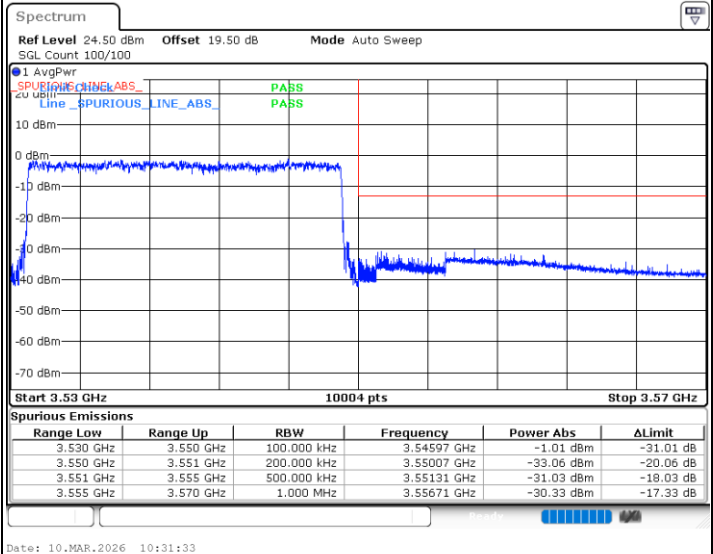
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



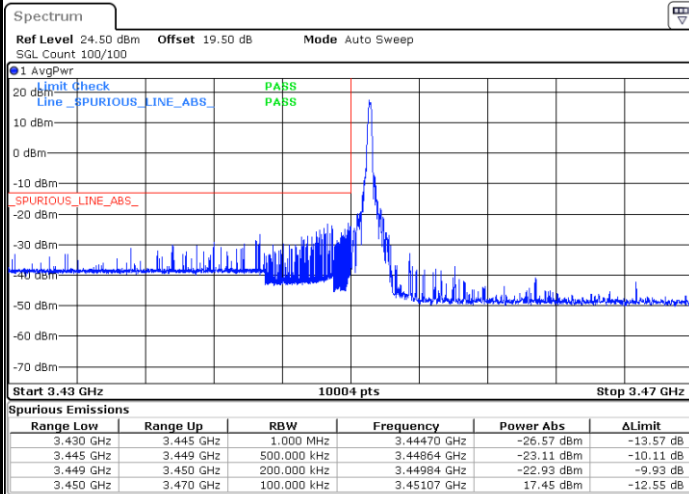
Highest Band Edge / Full RB



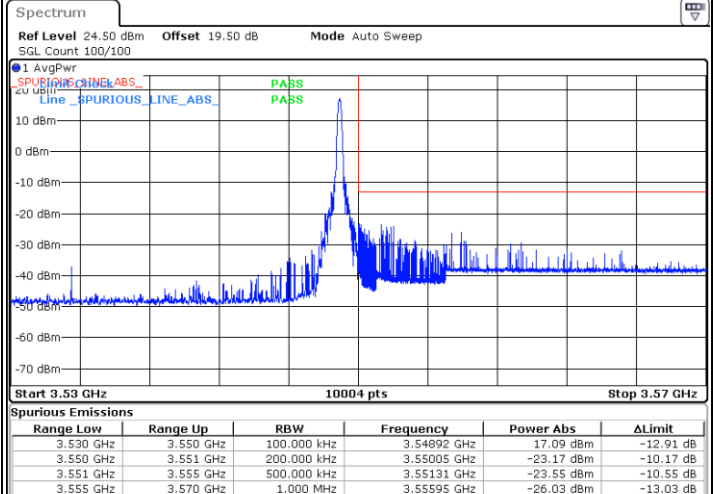


LTE Band 42 / 20MHz / 16QAM

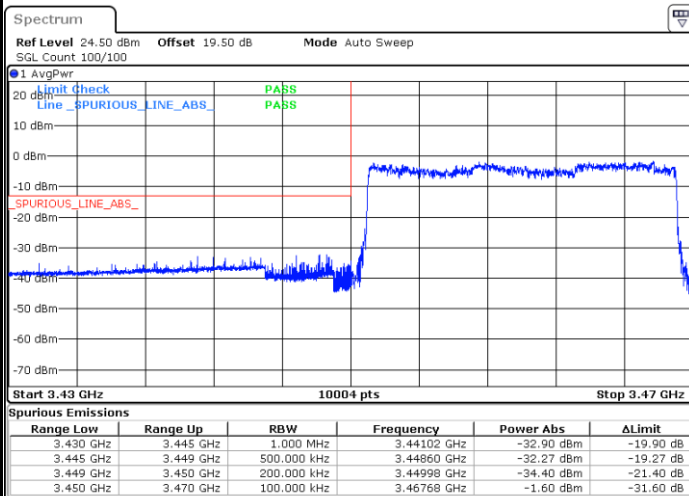
Lowest Band Edge / 1RB



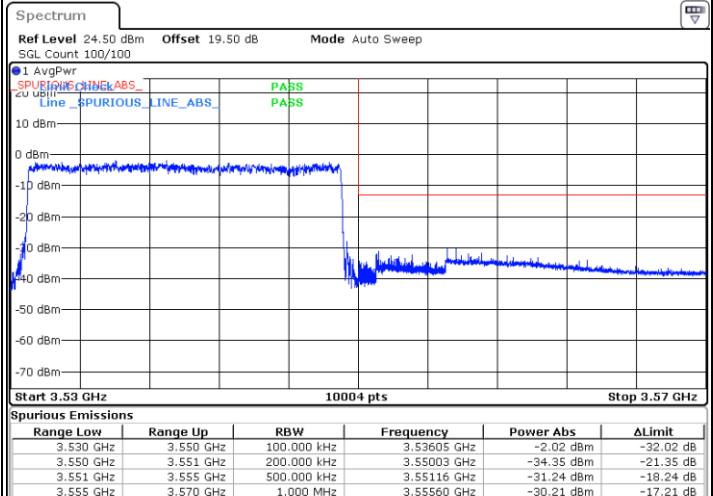
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



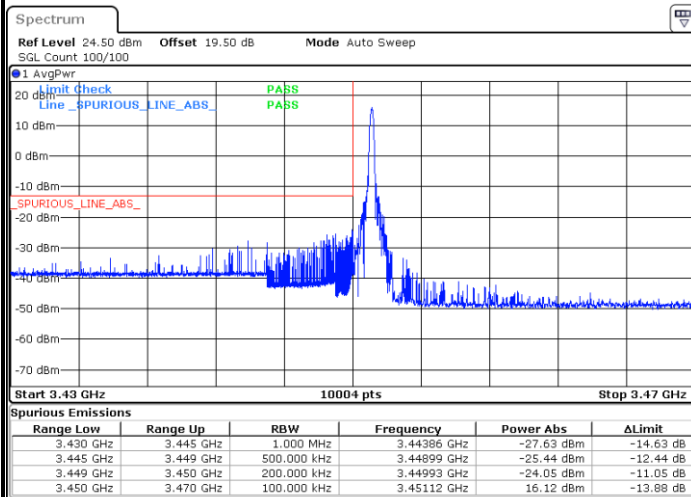
Highest Band Edge / Full RB



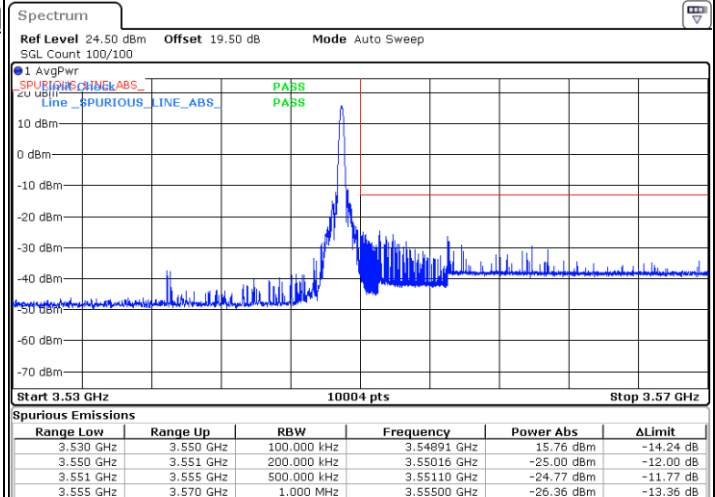


LTE Band 42 / 20MHz / 64QAM

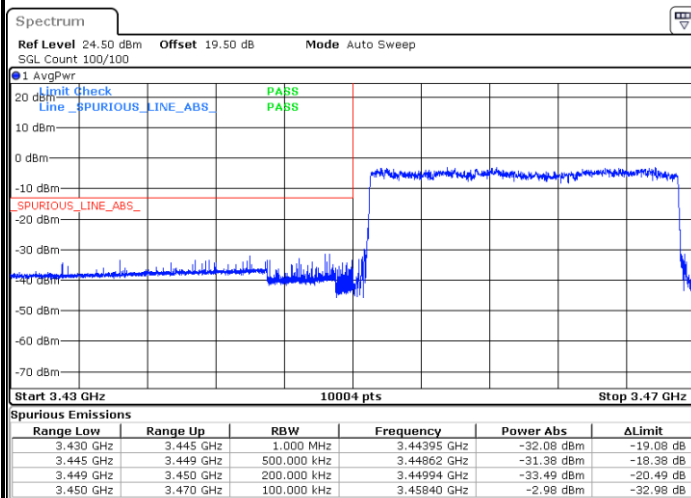
Lowest Band Edge / 1RB



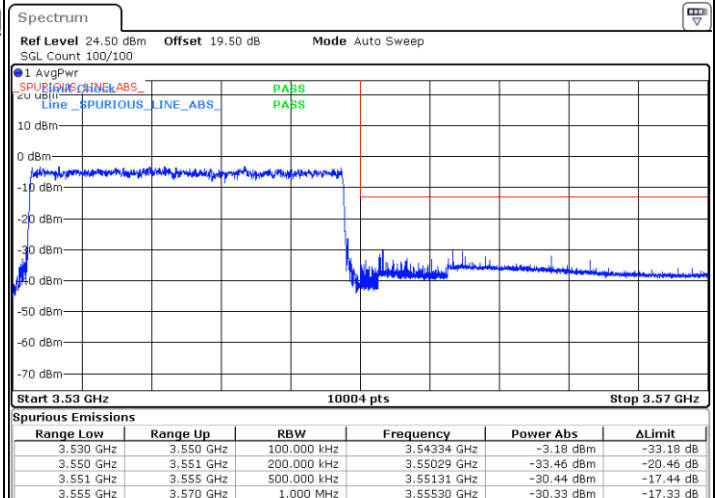
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

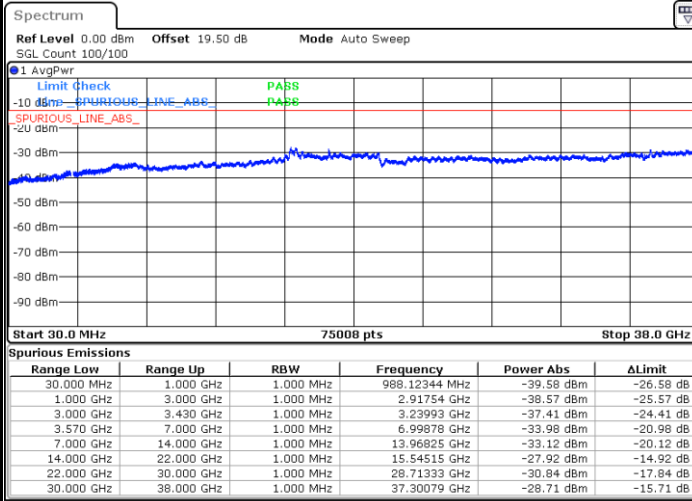




Conducted Spurious Emission

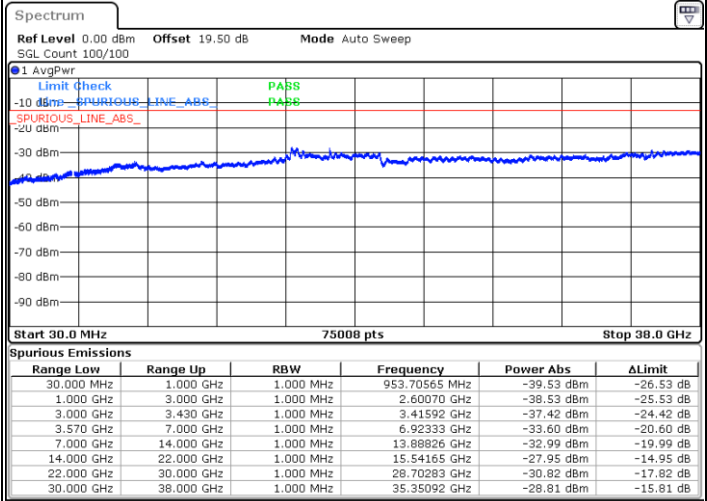
LTE Band 42 / 5MHz

Lowest Channel / QPSK



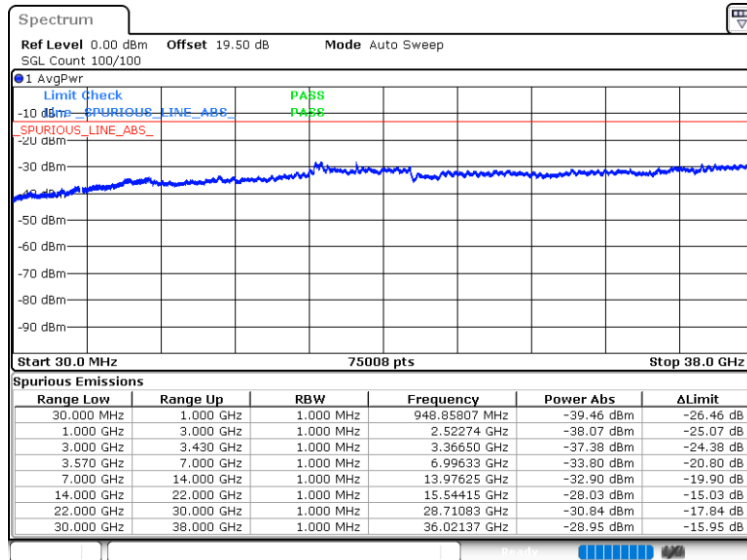
Date: 10.MAR.2026 09:37:47

Middle Channel / QPSK



Date: 10.MAR.2026 09:39:06

Highest Channel / QPSK

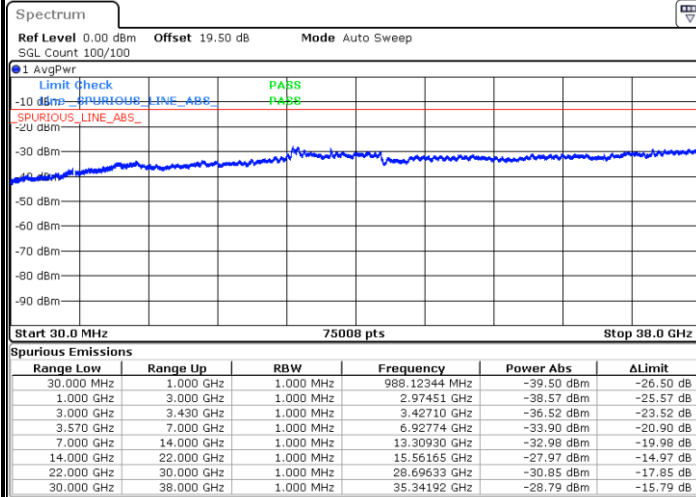


Date: 10.MAR.2026 09:40:26



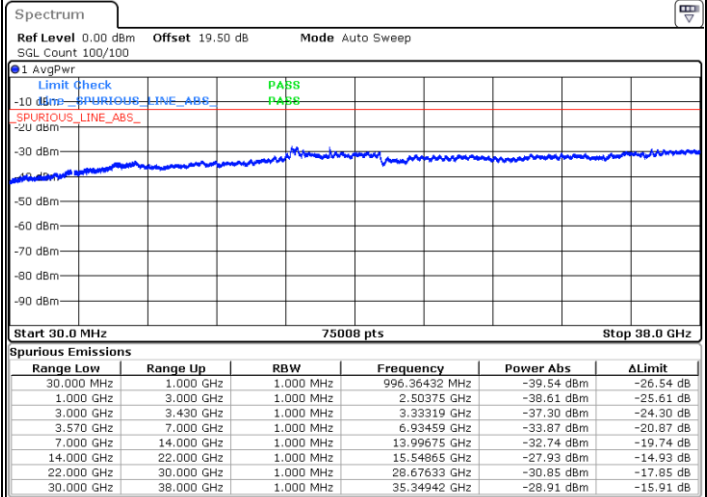
LTE Band 42 / 10MHz

Lowest Channel / QPSK



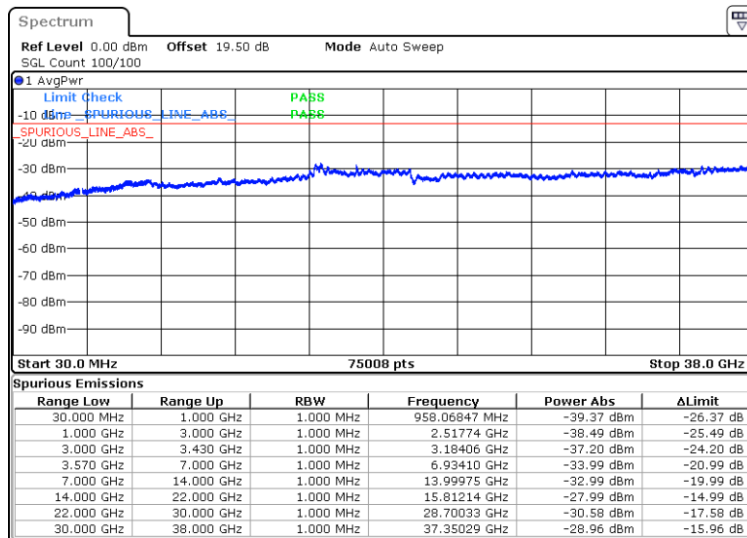
Date: 10.MAR.2026 09:56:40

Middle Channel / QPSK



Date: 10.MAR.2026 09:58:00

Highest Channel / QPSK

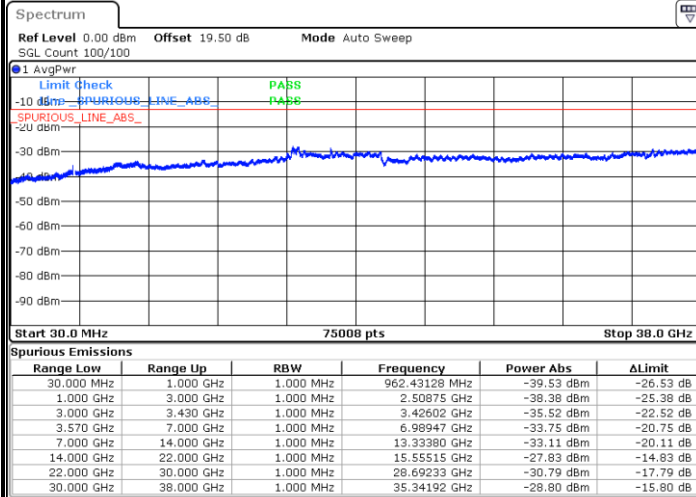


Date: 10.MAR.2026 10:04:41



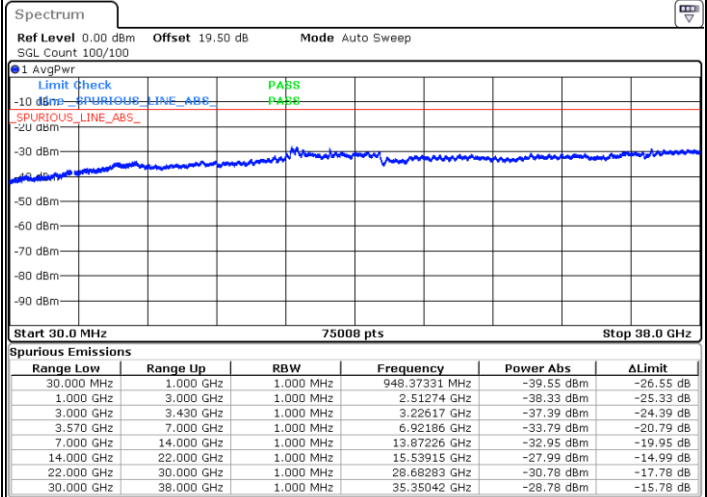
LTE Band 42 / 15MHz

Lowest Channel / QPSK



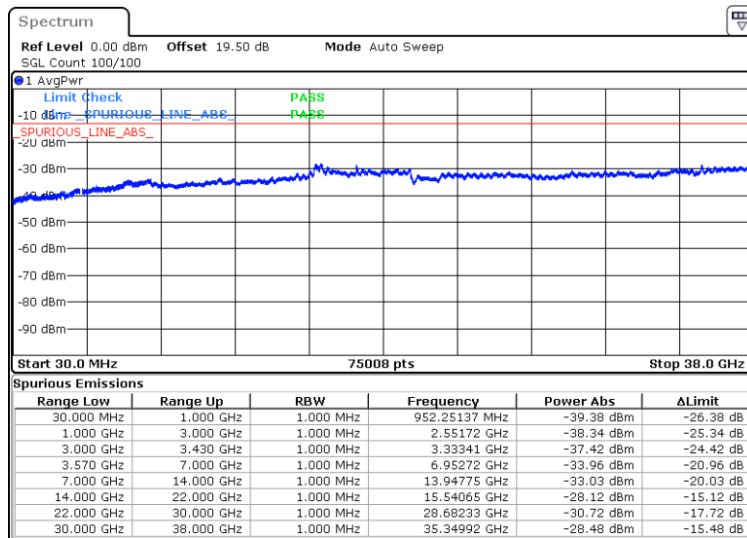
Date: 10.MAR.2026 10:10:47

Middle Channel / QPSK



Date: 10.MAR.2026 10:12:06

Highest Channel / QPSK

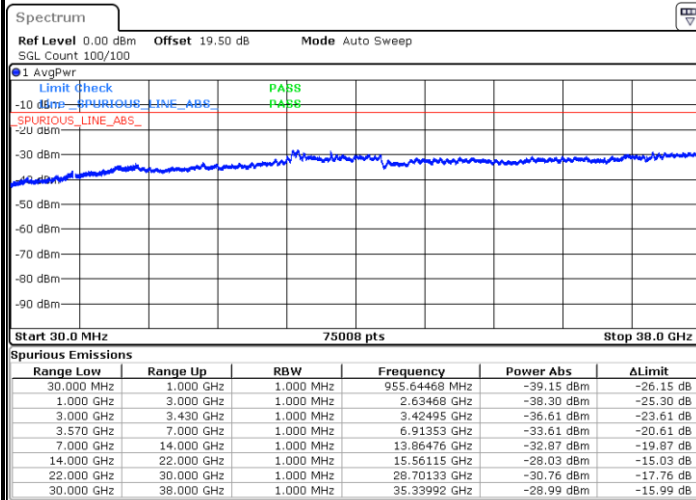


Date: 10.MAR.2026 10:18:48



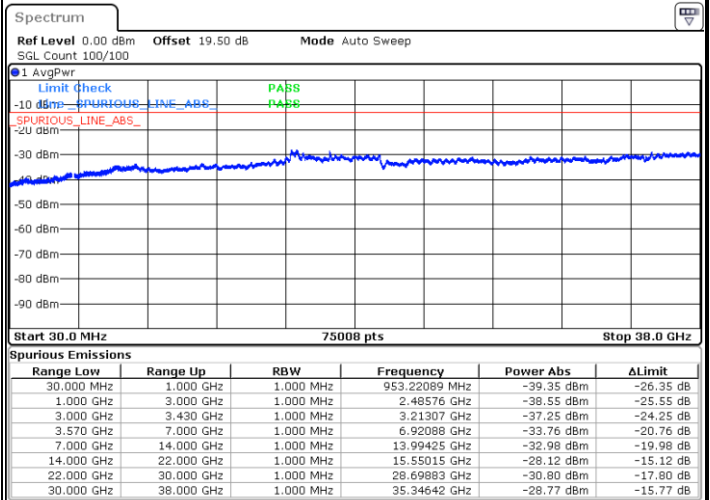
LTE Band 42 / 20MHz

Lowest Channel / QPSK



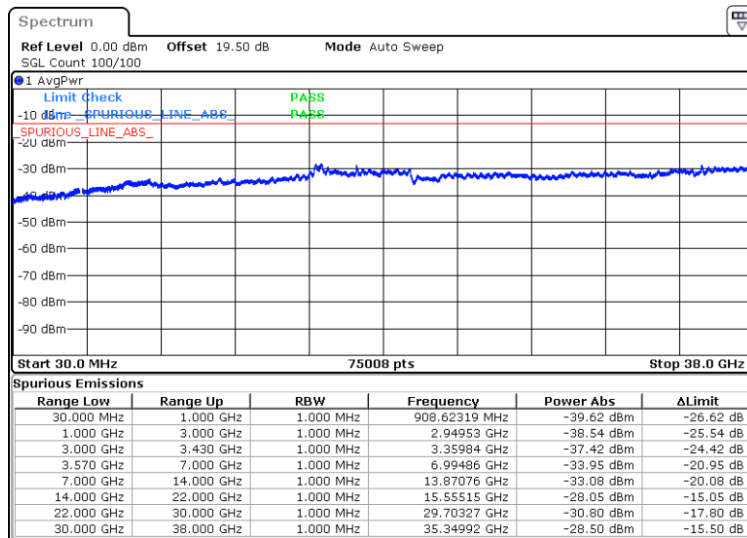
Date: 10.MAR.2026 10:24:53

Middle Channel / QPSK



Date: 10.MAR.2026 10:26:13

Highest Channel / QPSK



Date: 10.MAR.2026 10:34:14

Frequency Stability

Test Conditions		LTE Band 42 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0004	PASS
40	Normal Voltage	0.0027	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0006	

Note:

1. Normal Voltage = 5 V.; Minimum Voltage = 4.75 V.; Maximum Voltage = 5.25 V..
2. The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 42C

26dB Bandwidth

Mode	LTE Band 42C : 26dB BW(MHz)			
QPSK				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.83	29.85	34.90	24.98
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.03	34.90	39.88	

Mode	LTE Band 42C : 26dB BW(MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.78	29.85	34.76	24.88
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.09	34.97	39.88	