



FCC RF Test Report

APPLICANT : Xiaomi Communications Co., Ltd.
EQUIPMENT : Mobile Phone
BRAND NAME : Xiaomi
MODEL NAME : A301XM
FCC ID : 2AFZZND5R
STANDARD : 47 CFR Part 2, Part 27 Subpart Q
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S) : Jun. 08, 2023 ~ Jun. 13, 2023

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.

Jason Jia



Approved by: Jason Jia

Sporton International Inc. (ShenZhen)

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People's Republic of China



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG351205-01B	Rev. 01	Initial issue of report	Jul. 04, 2023

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 41.36 dB at 10443.30 MHz

Conformity Assessment Condition:

- The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer 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

Xiaomi Communications Co., Ltd.

#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

1.2 Manufacturer

Xiaomi Communications Co., Ltd.

#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Phone
Brand Name	Xiaomi
Model Name	A301XM
FCC ID	2AFZZND5R
IMEI Code	Conducted: 869272060010084/86927060010092 Radiation: 869272060000721/869272060000739
HW Version	P2.0
SW Version	MIUI 14
EUT Stage	Identical Prototype

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	Ant1:LTE Band 42C : 22.87 dBm Ant5:LTE Band 42C : 23.32 dBm Ant6:LTE Band 42C : 23.55 dBm Ant7:LTE Band 42C : 21.96 dBm
Antenna Gain	Ant1:LTE Band 42C : -7.5 dBi Ant5:LTE Band 42C : -0.9 dBi Ant6:LTE Band 42C : -1.21 dBi Ant7:LTE Band 42C : -6.1 dBi
Type of Modulation	QPSK / 16QAM / 64QAM / 256QAM (Downlink only)

Remark: The maximum EIRP is calculated from max output power and max antenna gain, so only the maximum EIRP of Ant.5 for LTE Band 42C is shown in the report.

1.5 Modification of EUT

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

1.6 Maximum EIRP Power and Emission Designator

LTE Band 42C_CA	QPSK		16QAM/64QAM	
BW (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
20MHz+20MHz	0.1746	37M3G7D	0.1435	37M6W7D

Note: All modulations have been tested, only the worst test results of PSK & QAM are shown in the report.

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

Test 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 China 518103 TEL: +86-755-33202398		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	03CH01-SZ	CN1256	421272

1.8 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH01-SZ	AUDIX	E3	6.2009-8-24

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 2, 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

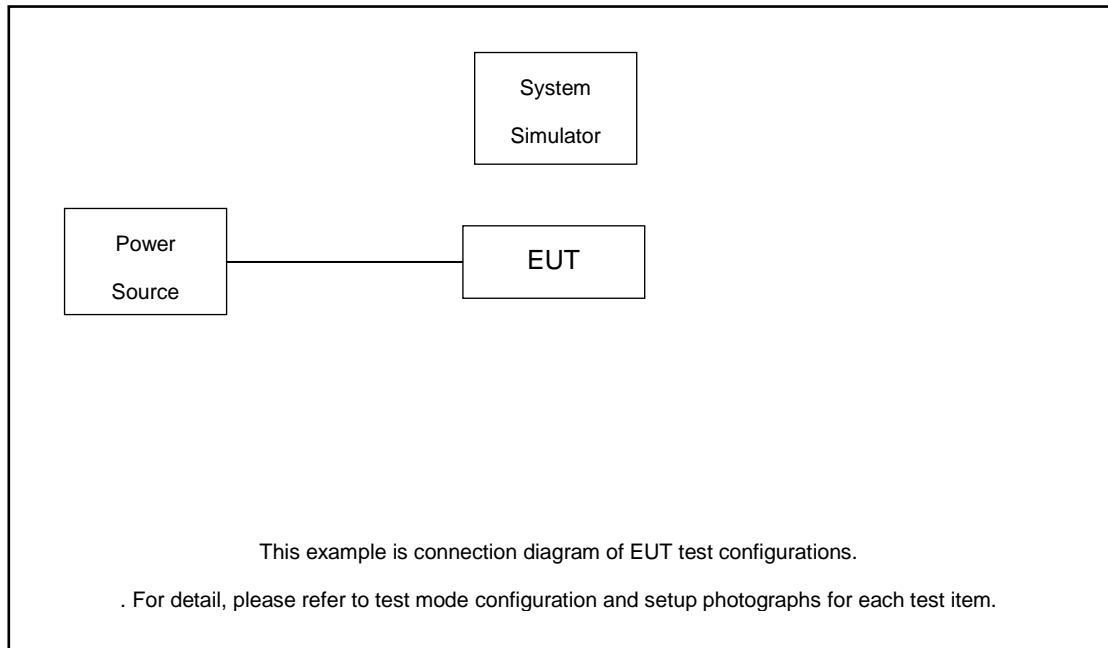
2.1 Test Mode

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.

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	
26dB and 99% Bandwidth	42C_CA	v							-	-	-	v	v		-			v			v		
Conducted Band Edge	42C_CA	v	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	
Radiated Spurious Emission	42C_CA	Worst Case																				v	
Note	<ol style="list-style-type: none"> The mark "v" means that this configuration is chosen for testing The mark "-" means that this bandwidth is not supported. 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. For QAM Modulation conducted testing, has assessed 16QAM/64QAM by referring to their higher conducted power. 																						

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

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

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).

$$=9.5 + 10 = 19.50 \text{ (dB)}$$



2.5 Frequency List of Low/Middle/High Channels

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

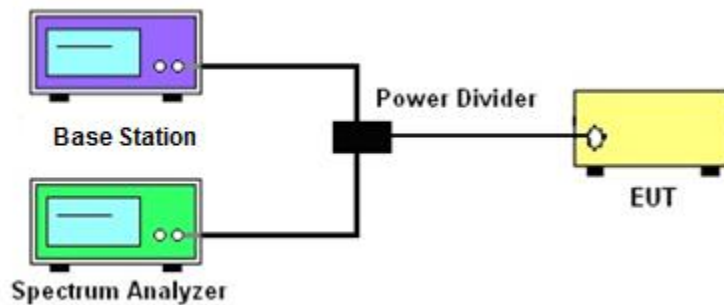
See list of measuring instruments of this test report.

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

4 Radiated Test Items

4.1 Measuring Instruments

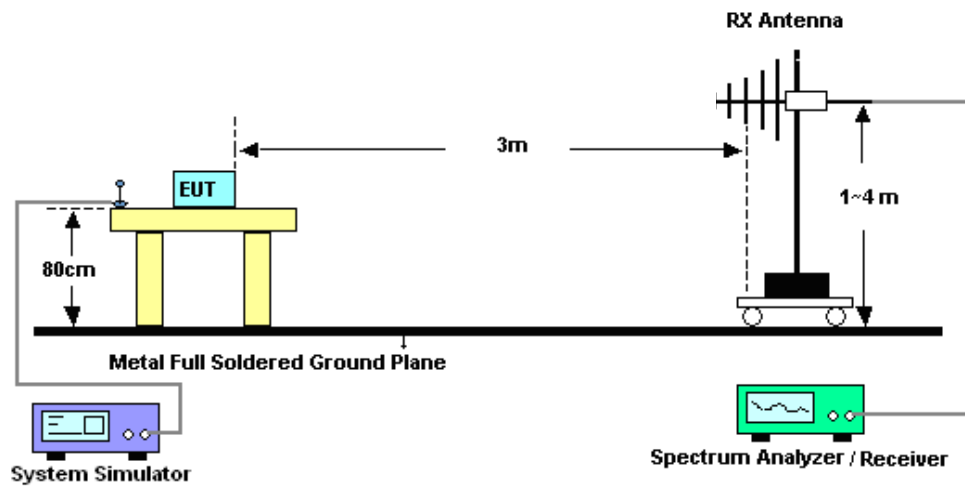
See list of measuring instruments of this test report.

4.2 Test Setup

4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

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

Please refer to Appendix B.

4.4 Radiated Spurious Emission Measurement

4.4.1 Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI/TIA-603-E. 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	Apr. 06, 2023	Jun. 12, 2023~ Jun. 13, 2023	Apr. 05, 2024	Conducted (TH01-SZ)
DC Power Supply	TTI	PL330P	290070	Max 32V , 3A	Oct. 17, 2022	Jun. 12, 2023~ Jun. 13, 2023	Oct. 16, 2023	Conducted (TH01-SZ)
Power Divider	TOJOIN	PS-2SM-04 265	60.06.020.007 7	0.4GHz~26.5GHz	Dec. 25, 2022	Jun. 12, 2023~ Jun. 13, 2023	Dec. 24, 2023	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 07, 2022	Jun. 12, 2023~ Jun. 13, 2023	Jul. 06, 2023	Conducted (TH01-SZ)
EMI Test Receiver&SA	Agilent	N9038A	MY52260185	20Hz~26.5GHz	Dec. 26, 2022	Jun. 08, 2023	Dec. 25, 2023	Radiation (03CH01-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 07, 2022	Jun. 08, 2023	Jul. 06, 2023	Radiation (03CH01-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jul. 28, 2022	Jun. 08, 2023	Jul. 27, 2024	Radiation (03CH01-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Sep. 28, 2021	Jun. 08, 2023	Sep. 27, 2023	Radiation (03CH01-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 07, 2022	Jun. 08, 2023	Jul. 06, 2023	Radiation (03CH01-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 08, 2023	Jun. 08, 2023	Apr. 07, 2024	Radiation (03CH01-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 19, 2022	Jun. 08, 2023	Oct. 18, 2023	Radiation (03CH01-SZ)
LF Amplifier	Burgeon	BPA-530	102209	0.01~3000Mhz	Apr. 05, 2023	Jun. 08, 2023	Apr. 04, 2024	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	AMF-7D-00 101800-30-1 0P-R	1943528	1GHz~18GHz	Oct. 19, 2022	Jun. 08, 2023	Oct. 18, 2023	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	TTA1840-35 -HG	1871923	18GHz~40GHz	Jul. 06, 2022	Jun. 08, 2023	Jul. 05, 2023	Radiation (03CH01-SZ)
AC Power Source	Chroma	61601	61601000198 5	N/A	Nov. 10, 2022	Jun. 08, 2023	Nov. 09, 2023	Radiation (03CH01-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Jun. 08, 2023	NCR	Radiation (03CH01-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Jun. 08, 2023	NCR	Radiation (03CH01-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 Power	±1.34 dB
Conducted Emissions	±1.34 dB
Occupied Channel Bandwidth	±0.13 %

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.48dB
---	--------

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.53dB
---	--------

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.02dB
---	--------

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



Appendix A. Test Results of Conducted Test

Test Engineer :	Jason Zhang	Temperature :	24~26°C
		Relative Humidity :	50~53%

Conducted Output Power(Average power)

CA_42C_Ant 5								
Combination 20MHz+20MHz (100RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42388	QPSK	100	0	100	0	200	21.96
			1	0	1	99	2	15.10
			1	99	1	0	2	23.21
		16QAM	100	0	100	0	200	20.95
			1	0	1	99	2	15.18
			1	99	1	0	2	22.47
		64QAM	100	0	100	0	200	20.94
			1	0	1	99	2	15.02
			1	99	1	0	2	20.43
42590	42788	QPSK	100	0	100	0	200	21.92
			1	0	1	99	2	15.13
			1	99	1	0	2	23.29
		16QAM	100	0	100	0	200	20.91
			1	0	1	99	2	15.11
			1	99	1	0	2	22.36
		64QAM	100	0	100	0	200	20.88
			1	0	1	99	2	15.00
			1	99	1	0	2	20.35
42990	42792	QPSK	100	0	100	0	200	22.01
			1	0	1	99	2	23.32
			1	99	1	0	2	19.19
		16QAM	100	0	100	0	200	21.04
			1	0	1	99	2	22.39
			1	99	1	0	2	19.12
		64QAM	100	0	100	0	200	21.02
			1	0	1	99	2	20.43
			1	99	1	0	2	19.04



CA_42C ANT 5								
Combination 20MHz+15MHz (100RB+75RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42361	QPSK	100	0	75	0	175	21.86
			1	0	1	74	2	14.97
			1	99	1	0	2	23.18
		16QAM	100	0	75	0	175	20.89
			1	0	1	74	2	15.12
			1	99	1	0	2	22.34
		64QAM	100	0	75	0	175	20.85
			1	0	1	74	2	14.91
			1	99	1	0	2	20.37
42590	42761	QPSK	100	0	75	0	175	21.82
			1	0	1	74	2	14.99
			1	99	1	0	2	23.26
		16QAM	100	0	75	0	175	20.86
			1	0	1	74	2	15.03
			1	99	1	0	2	22.26
		64QAM	100	0	75	0	175	20.84
			1	0	1	74	2	14.91
			1	99	1	0	2	20.27
42990	43161	QPSK	100	0	75	0	175	21.72
			1	0	1	74	2	15.00
			1	99	1	0	2	23.05
		16QAM	100	0	75	0	175	20.73
			1	0	1	74	2	14.89
			1	99	1	0	2	22.29
		64QAM	100	0	75	0	175	20.62
			1	0	1	74	2	14.77
			1	99	1	0	2	20.18
Combination 15MHz+20MHz (75RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42165	42336	QPSK	75	0	100	0	175	21.82
			1	0	1	99	2	14.90
			1	74	1	0	2	23.04
		16QAM	75	0	100	0	175	20.85
			1	0	1	99	2	15.03
			1	74	1	0	2	22.25
		64QAM	75	0	100	0	175	20.71
			1	0	1	99	2	14.84
			1	74	1	0	2	20.26
42590	42761	QPSK	75	0	100	0	175	21.71
			1	0	1	99	2	14.86
			1	74	1	0	2	23.17
		16QAM	75	0	100	0	175	20.74
			1	0	1	99	2	14.98
1	74	1	0	2	22.22			



43015	43186	64QAM	75	0	100	0	175	20.78				
			1	0	1	99	2	14.76				
			1	74	1	0	2	20.14				
		43015	43186	QPSK	75	0	100	0	175	21.61		
					1	0	1	99	2	14.89		
					1	74	1	0	2	22.95		
				43015	43186	16QAM	75	0	100	0	175	20.68
							1	0	1	99	2	14.84
							1	74	1	0	2	22.26
43015	43186					64QAM	75	0	100	0	175	20.51
							1	0	1	99	2	14.71
							1	74	1	0	2	20.14
		Combination 20MHz+10MHz (100RB+50RB)										
		PCC Channel	SCC Channel			Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
							RB Size	RB offset	RB Size	RB offset		
		42190	42334	QPSK	100	0	50	0	150	21.73		
					1	0	1	49	2	14.92		
					1	99	1	0	2	23.08		
42190	42334			16QAM	100	0	50	0	150	20.75		
					1	0	1	49	2	14.97		
					1	99	1	0	2	22.19		
				42190	42334	64QAM	100	0	50	0	150	20.74
							1	0	1	49	2	14.81
							1	99	1	0	2	20.30
		42590	42734			QPSK	100	0	50	0	150	21.75
							1	0	1	49	2	14.90
							1	99	1	0	2	23.21
42590	42734					16QAM	100	0	50	0	150	20.71
							1	0	1	49	2	14.91
							1	99	1	0	2	22.15
				42590	42734	64QAM	100	0	50	0	150	20.69
							1	0	1	49	2	14.84
							1	99	1	0	2	20.13
		42990	43134			QPSK	100	0	50	0	150	21.64
							1	0	1	49	2	14.85
							1	99	1	0	2	22.97
42990	43134					16QAM	100	0	50	0	150	20.69
							1	0	1	49	2	14.78
							1	99	1	0	2	22.14
				42990	43134	64QAM	100	0	50	0	150	20.56
							1	0	1	49	2	14.73
							1	99	1	0	2	20.10
		Combination 10MHz+20MHz (50RB+100RB)										
		PCC Channel	SCC Channel			Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
							RB Size	RB offset	RB Size	RB offset		
42140	42284	QPSK	50			0	100	0	150	21.77		
			1			0	1	99	2	14.94		
			1			49	1	0	2	23.05		
		16QAM	50	0	100	0	150	20.75				



		64QAM	1	0	1	99	2	15.05
			1	49	1	0	2	22.19
			50	0	100	0	150	20.71
			1	0	1	99	2	14.86
			1	49	1	0	2	20.31
42590	42734	QPSK	50	0	100	0	150	21.76
			1	0	1	99	2	14.87
			1	49	1	0	2	23.16
		16QAM	50	0	100	0	150	20.80
			1	0	1	99	2	14.89
			1	49	1	0	2	22.21
		64QAM	50	0	100	0	150	20.80
			1	0	1	99	2	14.77
			1	49	1	0	2	20.23
43040	43184	QPSK	50	0	100	0	150	21.64
			1	0	1	99	2	14.91
			1	49	1	0	2	22.94
		16QAM	50	0	100	0	150	20.65
			1	0	1	99	2	14.79
			1	49	1	0	2	22.20
		64QAM	50	0	100	0	150	20.52
			1	0	1	99	2	14.63
			1	49	1	0	2	20.14
Combination 20MHz+5MHz (100RB+25RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42190	42307	QPSK	100	0	25	0	125	21.72
			1	0	1	24	2	14.89
			1	99	1	0	2	23.10
		16QAM	100	0	25	0	125	20.76
			1	0	1	24	2	15.06
			1	99	1	0	2	22.27
		64QAM	100	0	25	0	125	20.71
			1	0	1	24	2	14.87
			1	99	1	0	2	20.23
42590	42707	QPSK	100	0	25	0	125	21.68
			1	0	1	24	2	14.93
			1	99	1	0	2	23.22
		16QAM	100	0	25	0	125	20.80
			1	0	1	24	2	14.93
			1	99	1	0	2	22.21
		64QAM	100	0	25	0	125	20.70
			1	0	1	24	2	14.79
			1	99	1	0	2	20.22
42990	43107	QPSK	100	0	25	0	125	21.60
			1	0	1	24	2	14.92
			1	99	1	0	2	22.97
		16QAM	100	0	25	0	125	20.61
			1	0	1	24	2	14.76



PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
		64QAM	1	99	1	0	2	22.23
			100	0	25	0	125	20.55
			1	0	1	24	2	14.63
			1	99	1	0	2	20.07
Combination 5MHz+20MHz (25RB+100RB)								
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Measured Power (dBm)
			RB Size	RB offset	RB Size	RB offset		
42115	42232	QPSK	25	0	100	0	125	21.80
			1	0	1	99	2	14.90
			1	24	1	0	2	23.13
		16QAM	25	0	100	0	125	20.81
			1	0	1	99	2	15.07
			1	24	1	0	2	22.30
		64QAM	25	0	100	0	125	20.79
			1	0	1	99	2	14.76
			1	24	1	0	2	20.23
42590	42707	QPSK	25	0	100	0	125	21.78
			1	0	1	99	2	14.94
			1	24	1	0	2	23.18
		16QAM	25	0	100	0	125	20.81
			1	0	1	99	2	14.89
			1	24	1	0	2	22.14
		64QAM	25	0	100	0	125	20.71
			1	0	1	99	2	14.79
			1	24	1	0	2	20.16
43065	43182	QPSK	25	0	100	0	125	21.63
			1	0	1	99	2	14.94
			1	24	1	0	2	23.00
		16QAM	25	0	100	0	125	20.68
			1	0	1	99	2	14.83
			1	24	1	0	2	22.21
		64QAM	25	0	100	0	125	20.58
			1	0	1	99	2	14.66
			1	24	1	0	2	20.09

CA EIRP

LTE Band 42 CA (GT - LC = -0.9 dB) QPSK									
Bandwidth	20M + 20M			20M + 15M			15M+20M		
Channel PCC	42190	42590	42792	42190	42590	42844	42165	42590	42819
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	42388	42788	42990	42361	42761	43015	42336	42761	42990
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.21	23.29	23.32	23.18	23.26	23.05	23.04	23.17	22.95
Conducted Power (Watts)	0.2094	0.2133	0.2148	0.2080	0.2118	0.2018	0.2014	0.2075	0.1972
EIRP(dBm)	22.31	22.39	22.42	22.28	22.36	22.15	22.14	22.27	22.05
EIRP(Watts)	0.1702	0.1734	0.1746	0.1690	0.1722	0.1641	0.1637	0.1687	0.1603

LTE Band 42 CA (GT - LC = -0.9 dB) QPSK									
Bandwidth	20M+10M			10M+20M			20M + 5M		
Channel PCC	42190	42590	42896	42140	42590	42846	42190	42590	42948
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	42334	42734	43040	42284	42734	42990	42307	42707	43065
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.08	23.21	22.97	23.05	23.16	22.94	23.10	23.22	22.97
Conducted Power (Watts)	0.2032	0.2094	0.1982	0.2018	0.2070	0.1968	0.2042	0.2099	0.1982
EIRP(dBm)	22.18	22.31	22.07	22.15	22.26	22.04	22.20	22.32	22.07
EIRP(Watts)	0.1652	0.1702	0.1611	0.1641	0.1683	0.1600	0.1660	0.1706	0.1611



LTE Band 42 CA (GT - LC = -0.9 dB) QPSK			
Bandwidth	5M + 20M		
Channel PCC	42115	42590	42873
	(Low)	(Mid)	(High)
Channel SCC	42232	42707	42990
	(Low)	(Mid)	(High)
Conducted Power (dBm)	23.13	23.18	23.00
Conducted Power (Watts)	0.2056	0.2080	0.1995
EIRP(dBm)	22.23	22.28	22.10
EIRP(Watts)	0.1671	0.1690	0.1622

LTE Band 42 CA (GT - LC = -0.9 dB) 16QAM									
Bandwidth	20M + 20M			20M + 15M			15M+20M		
Channel PCC	42190	42590	42792	42190	42590	42844	42165	42590	42819
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	42388	42788	42990	42361	42761	43015	42336	42761	42990
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	22.47	22.36	22.39	22.34	22.26	22.29	22.25	22.22	22.26
Conducted Power (Watts)	0.1766	0.1722	0.1734	0.1714	0.1683	0.1694	0.1679	0.1667	0.1683
EIRP(dBm)	21.57	21.46	21.49	21.44	21.36	21.39	21.35	21.32	21.36
EIRP(Watts)	0.1435	0.1400	0.1409	0.1393	0.1368	0.1377	0.1365	0.1355	0.1368



LTE Band 42 CA (GT - LC = -0.9 dB) 16QAM									
Bandwidth	20M+10M			10M+20M			20M + 5M		
Channel PCC	42190	42590	42896	42140	42590	42846	42190	42590	42948
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	42334	42734	43040	42284	42734	42990	42307	42707	43065
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	22.19	22.15	22.14	22.19	22.21	22.20	22.27	22.21	22.23
Conducted Power (Watts)	0.1656	0.1641	0.1637	0.1656	0.1663	0.1660	0.1687	0.1663	0.1671
EIRP(dBm)	21.29	21.25	21.24	21.29	21.31	21.30	21.37	21.31	21.33
EIRP(Watts)	0.1346	0.1334	0.1330	0.1346	0.1352	0.1349	0.1371	0.1352	0.1358

LTE Band 42 CA (GT - LC = -0.9 dB) 16QAM			
Bandwidth	5M + 20M		
Channel PCC	42115	42590	42873
	(Low)	(Mid)	(High)
Channel SCC	42232	42707	42990
	(Low)	(Mid)	(High)
Conducted Power (dBm)	22.30	22.14	22.21
Conducted Power (Watts)	0.1698	0.1637	0.1663
EIRP(dBm)	21.40	21.24	21.31
EIRP(Watts)	0.1380	0.1330	0.1352



LTE Band 42 CA (GT - LC = -0.9 dB) 64QAM									
Bandwidth	20M + 20M			20M + 15M			15M+20M		
Channel PCC	42190	42590	42792	42190	42590	42844	42165	42590	42819
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	42388	42788	42990	42361	42761	43015	42336	42761	42990
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	20.94	20.88	21.02	20.85	20.84	20.62	20.71	20.78	20.51
Conducted Power (Watts)	0.1242	0.1225	0.1265	0.1216	0.1213	0.1153	0.1178	0.1197	0.1125
EIRP(dBm)	20.04	19.98	20.12	19.95	19.94	19.72	19.81	19.88	19.61
EIRP(Watts)	0.1009	0.0995	0.1028	0.0989	0.0986	0.0938	0.0957	0.0973	0.0914

LTE Band 42 CA (GT - LC = -0.9 dB) 64QAM									
Bandwidth	20M+10M			10M+20M			20M + 5M		
Channel PCC	42190	42590	42896	42140	42590	42846	42190	42590	42948
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Channel SCC	42334	42734	43040	42284	42734	42990	42307	42707	43065
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Conducted Power (dBm)	20.74	20.69	20.56	20.71	20.80	20.52	20.71	20.70	20.55
Conducted Power (Watts)	0.1186	0.1172	0.1138	0.1178	0.1202	0.1127	0.1178	0.1175	0.1135
EIRP(dBm)	19.84	19.79	19.66	19.81	19.90	19.62	19.81	19.80	19.65
EIRP(Watts)	0.0964	0.0953	0.0925	0.0957	0.0977	0.0916	0.0957	0.0955	0.0923

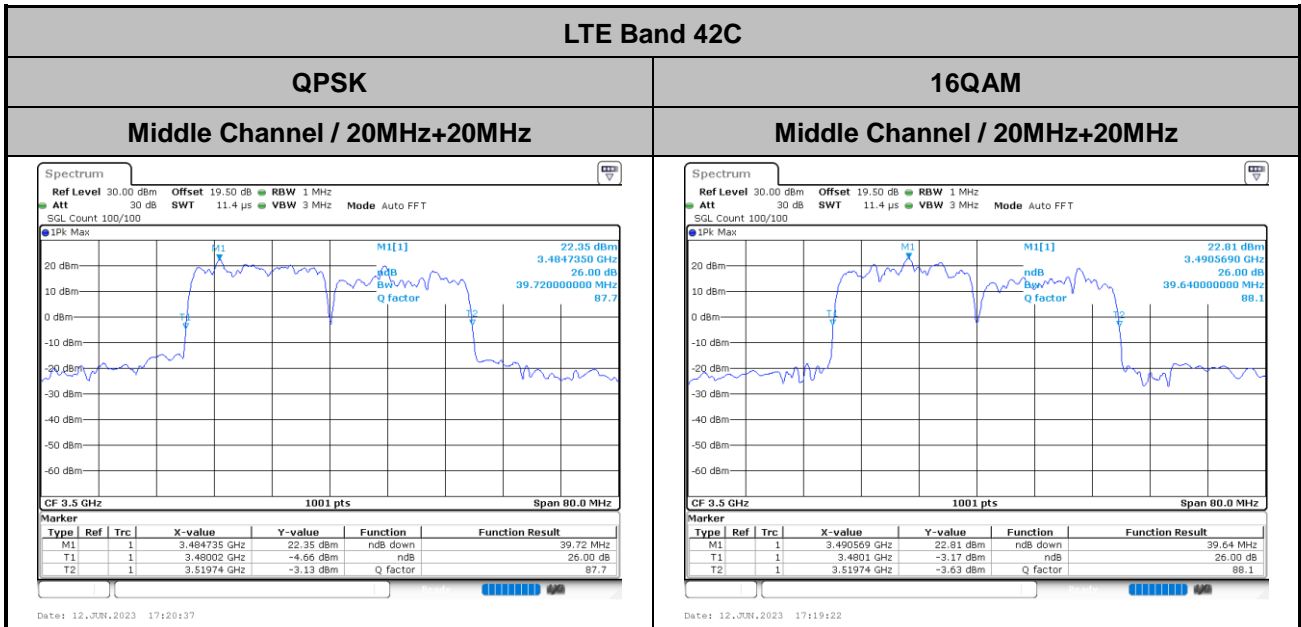
LTE Band 42 CA (GT - LC = -0.9 dB) 64QAM			
Bandwidth	5M + 20M		
Channel PCC	42115	42590	42873
	(Low)	(Mid)	(High)
Channel SCC	42232	42707	42990
	(Low)	(Mid)	(High)
Conducted Power (dBm)	20.79	20.71	20.58
Conducted Power (Watts)	0.1199	0.1178	0.1143
EIRP(dBm)	19.89	19.81	19.68
EIRP(Watts)	0.0975	0.0957	0.0929



LTE Band 42C

26dB Bandwidth

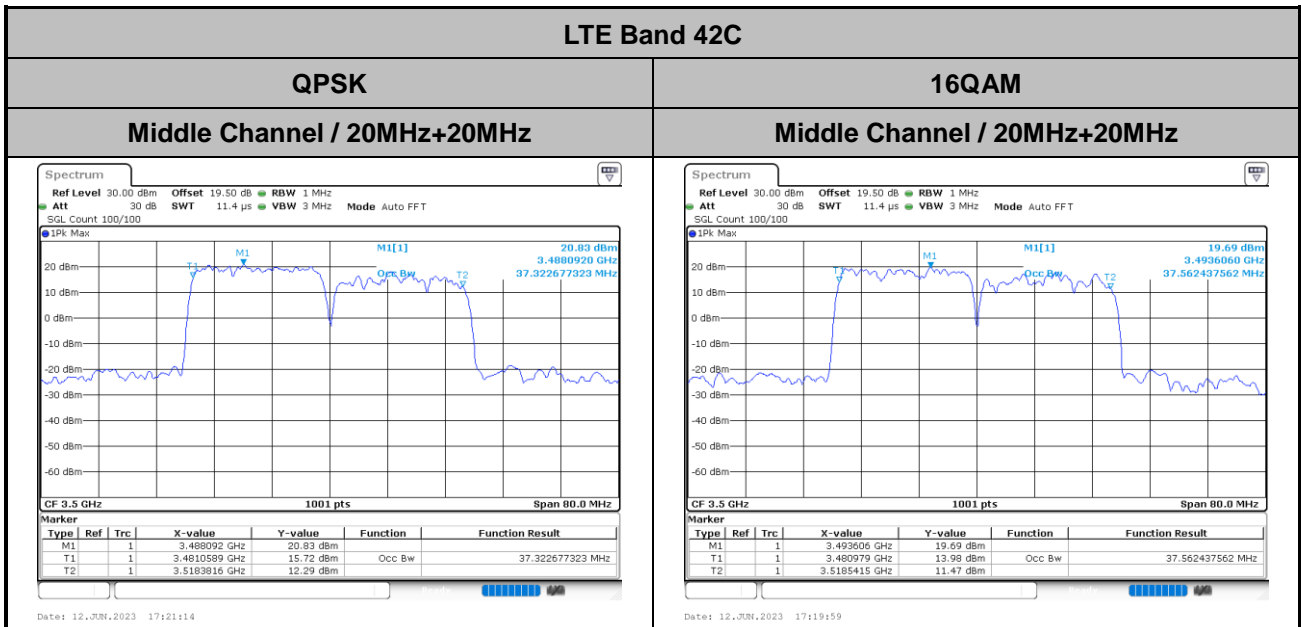
Mode	LTE Band 42C : 26dB BW(MHz)	
Modulation	QPSK	16QAM
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	39.72	39.64





Occupied Bandwidth

Mode	LTE Band 42C : 99%OBW(MHz)	
Modulation	QPSK	16QAM
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	37.32	37.56



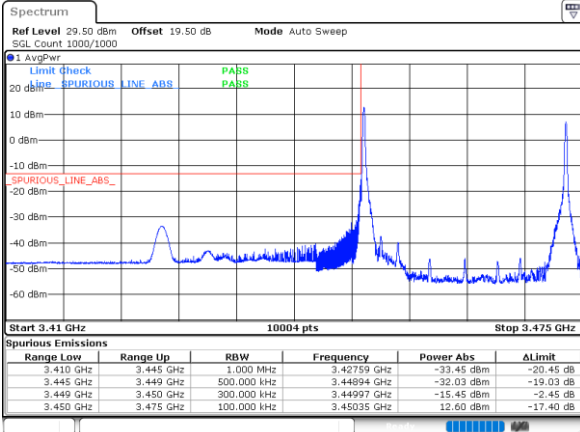


Conducted Band Edge

LTE Band 42C / 5MHz+20MHz

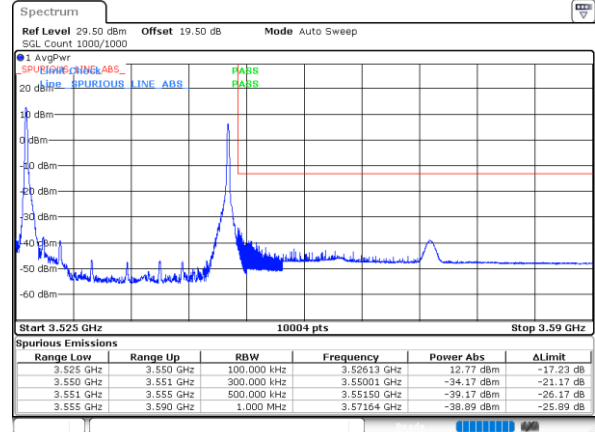
QPSK

Lowest Channel / 1RB0 and 1RB99



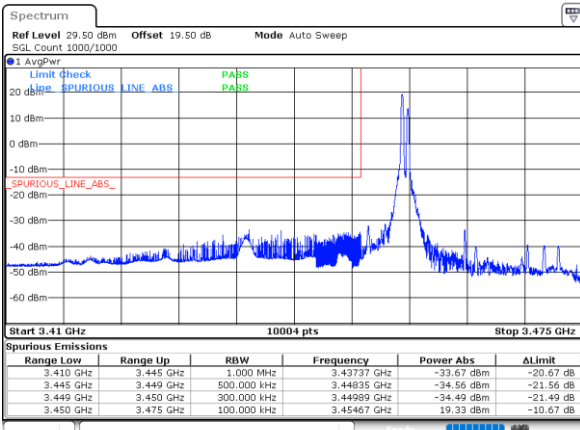
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Highest Channel / 1RB0 and 1RB99



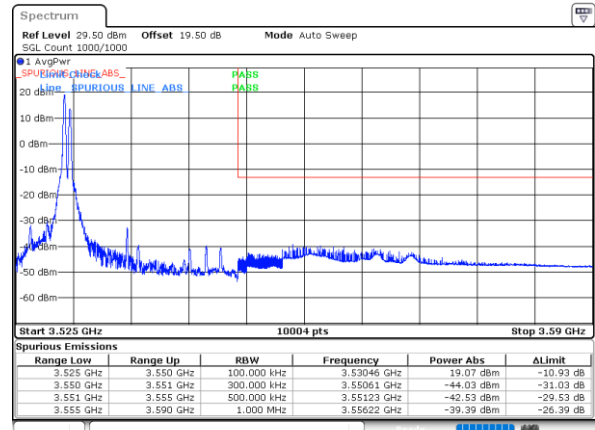
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Lowest Channel / 1RB24 and 1RB0



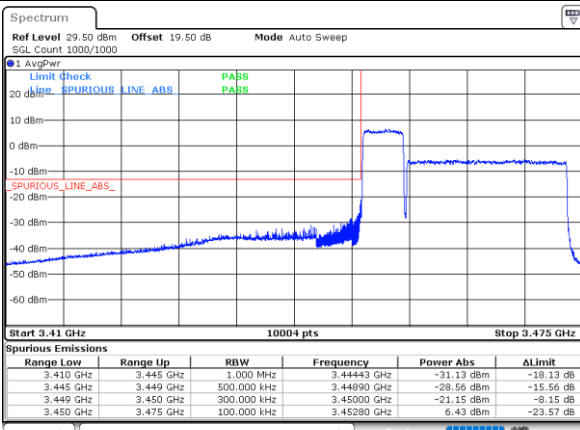
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Highest Channel / 1RB24 and 1RB0



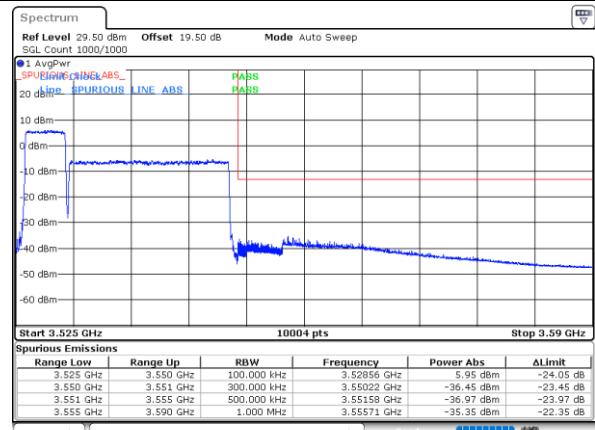
Date: 12 JUN 2023 11:29:48

Lowest Channel / Full RB



Date: 12 JUN 2023 11:11:10

Highest Channel / Full RB



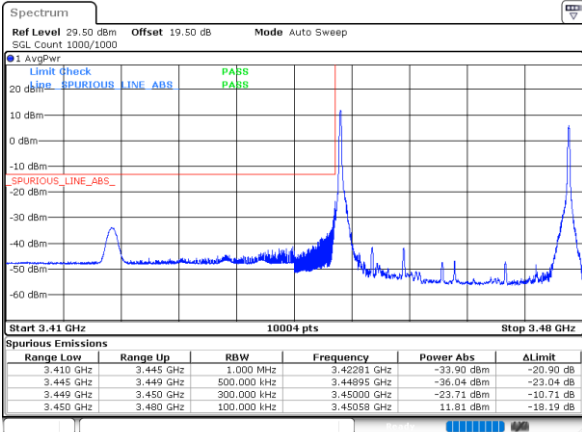
Date: 12 JUN 2023 11:22:38



LTE Band 42C / 10MHz+20MHz

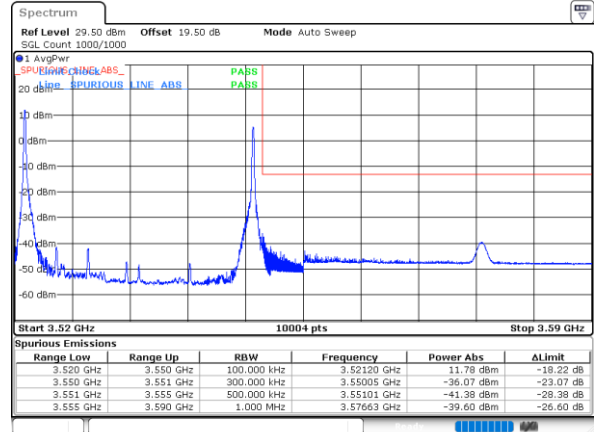
QPSK

Lowest Channel / 1RB0 and 1RB99



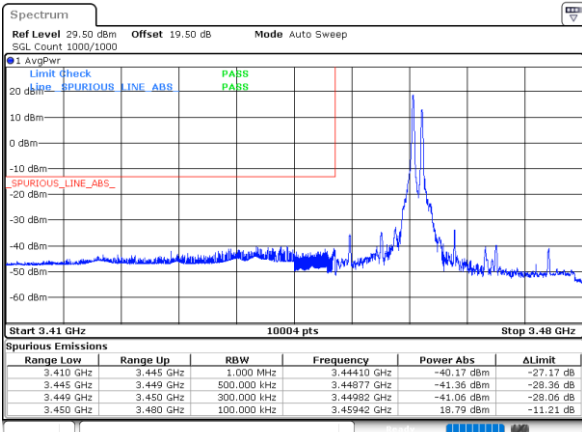
Date: 12 JUN 2023 14:21:43

Highest Channel / 1RB0 and 1RB99



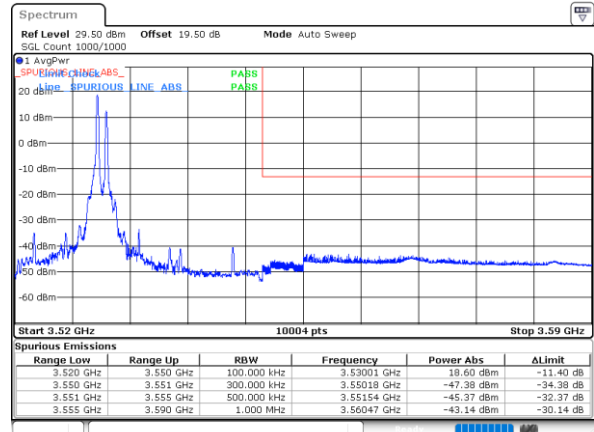
Date: 12 JUN 2023 14:37:12

Lowest Channel / 1RB49 and 1RB0



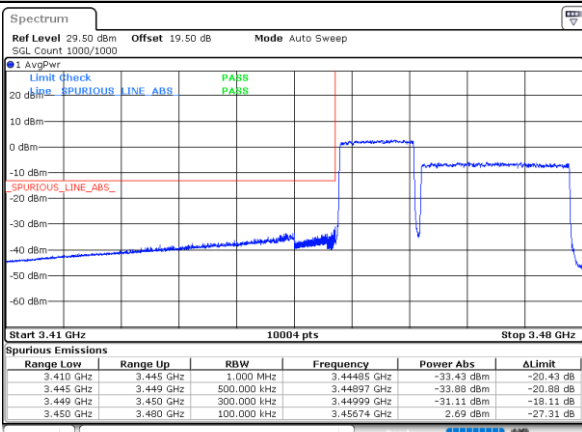
Date: 12 JUN 2023 14:25:18

Highest Channel / 1RB49 and 1RB0



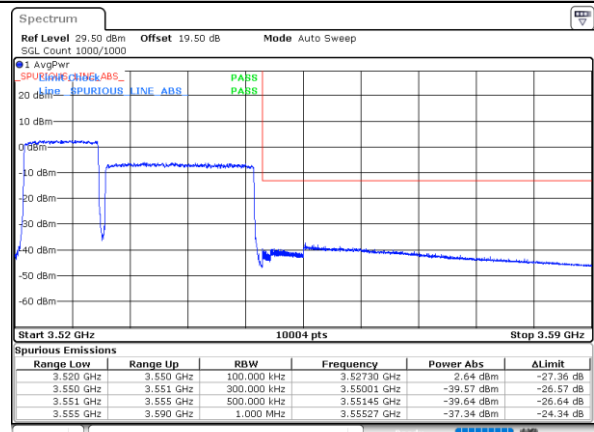
Date: 12 JUN 2023 14:40:48

Lowest Channel / Full RB



Date: 12 JUN 2023 14:18:06

Highest Channel / Full RB



Date: 12 JUN 2023 14:33:36

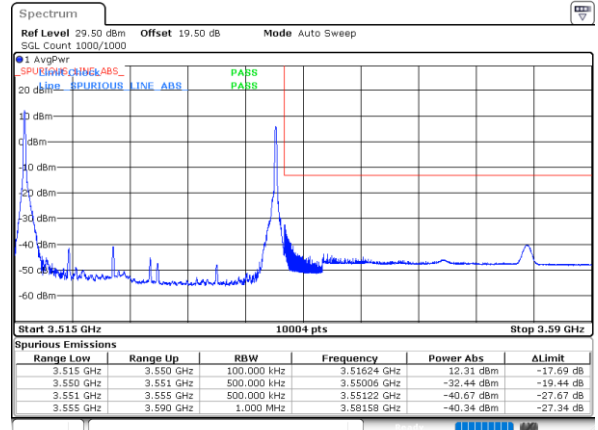
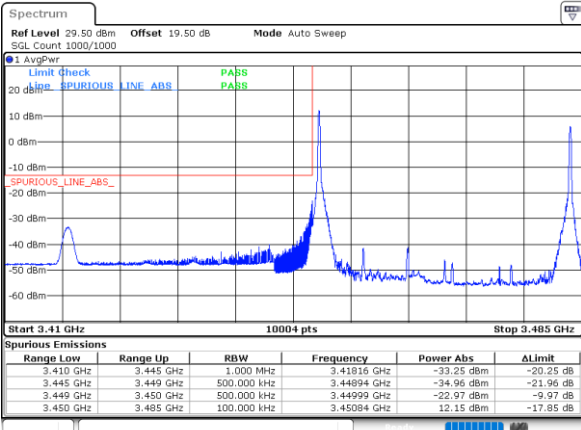


LTE Band 42C / 15MHz+20MHz

QPSK

Lowest Channel / 1RB0 and 1RB9

Highest Channel / 1RB0 and 1RB9

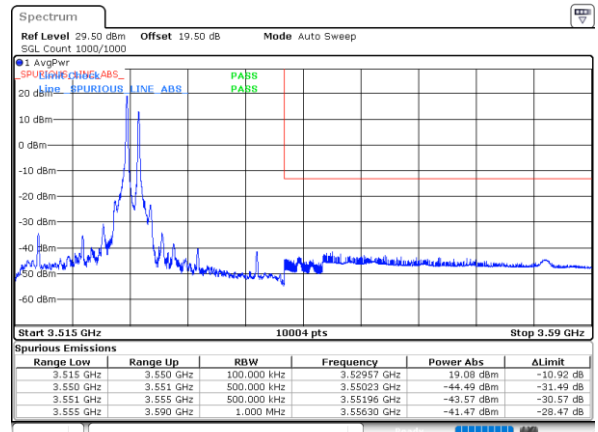
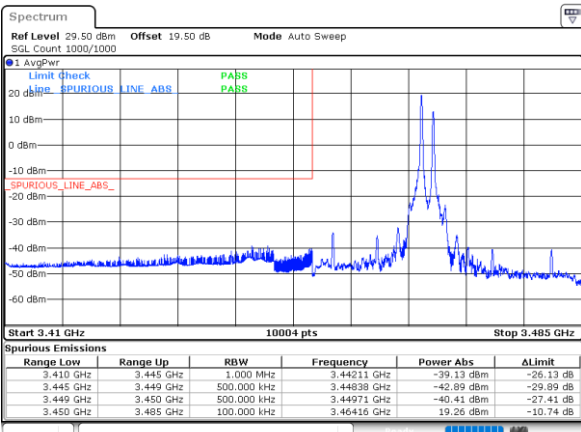


Date: 12 JUN 2023 16:13:36

Date: 12 JUN 2023 16:28:22

Lowest Channel / 1RB74 and 1RB0

Highest Channel / 1RB74 and 1RB0

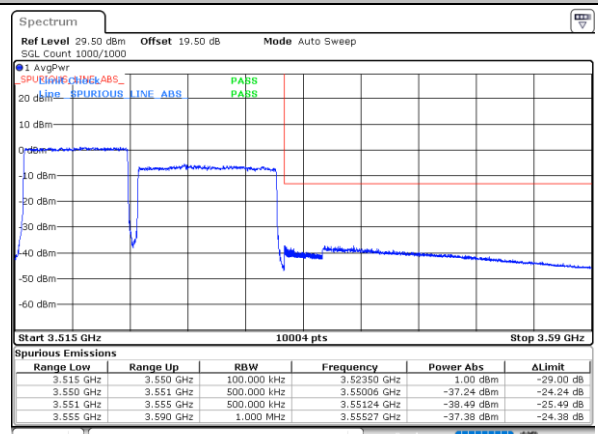
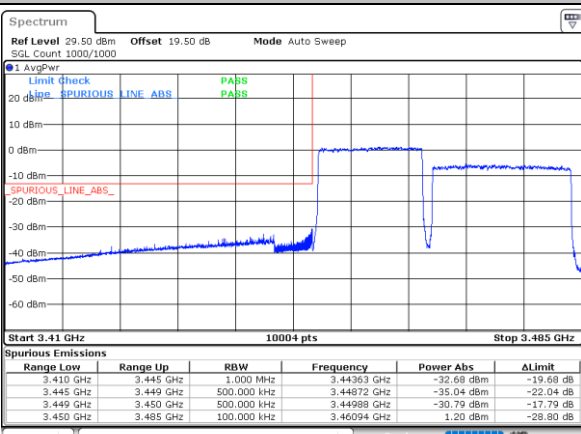


Date: 12 JUN 2023 16:17:19

Date: 12 JUN 2023 16:31:58

Lowest Channel / Full RB

Highest Channel / Full RB



Date: 12 JUN 2023 16:09:53

Date: 12 JUN 2023 16:24:45

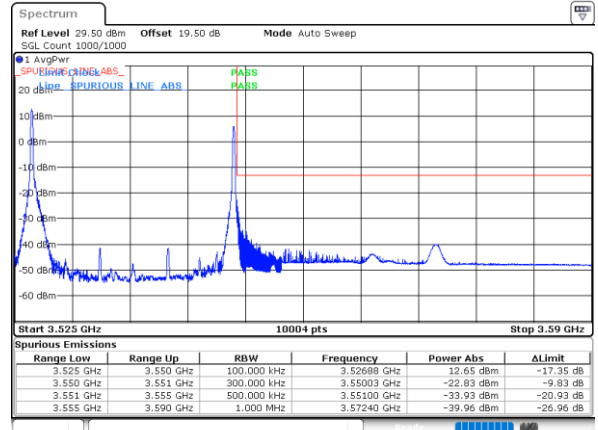
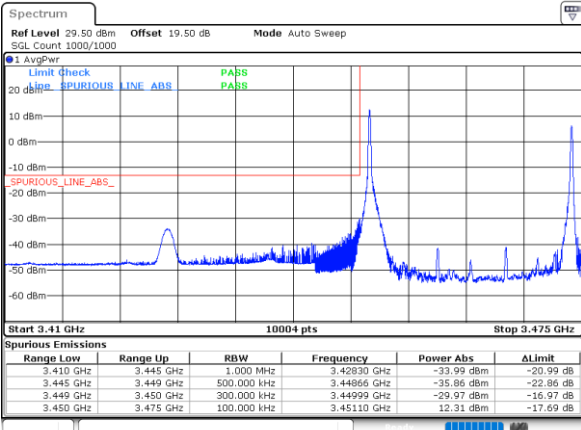


LTE Band 42C / 20MHz+5MHz

QPSK

Lowest Channel / 1RB0 and 1RB24

Highest Channel / 1RB0 and 1RB24

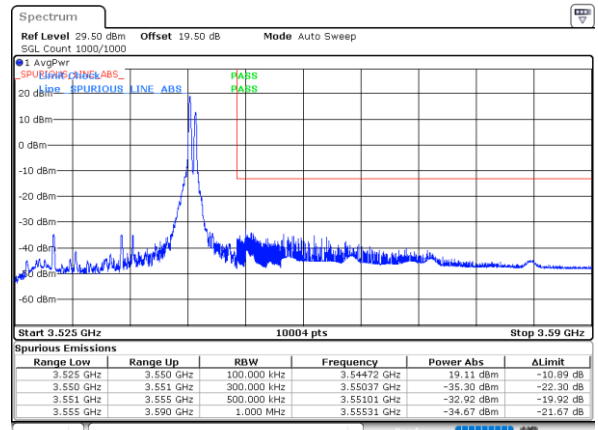
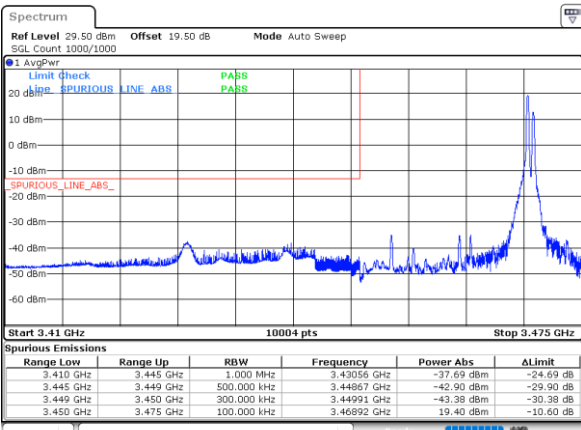


Date: 12 JUN 2023 13:45:57

Date: 12 JUN 2023 14:02:24

Lowest Channel / 1RB99 and 1RB0

Highest Channel / 1RB99 and 1RB0

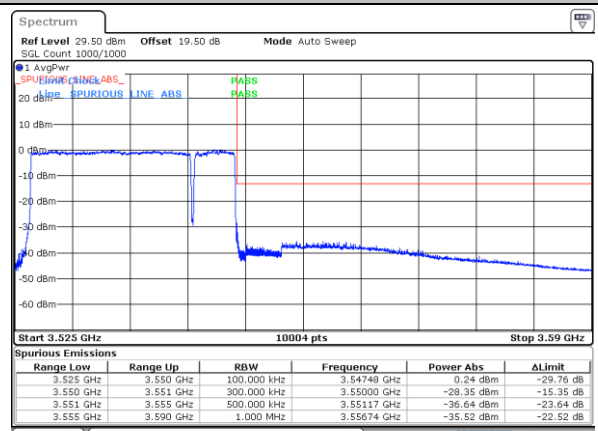
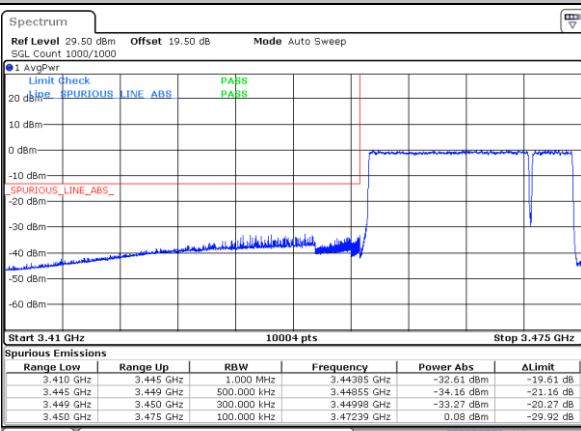


Date: 12 JUN 2023 13:49:33

Date: 12 JUN 2023 14:06:00

Lowest Channel / Full RB

Highest Channel / Full RB



Date: 12 JUN 2023 13:42:20

Date: 12 JUN 2023 13:58:47

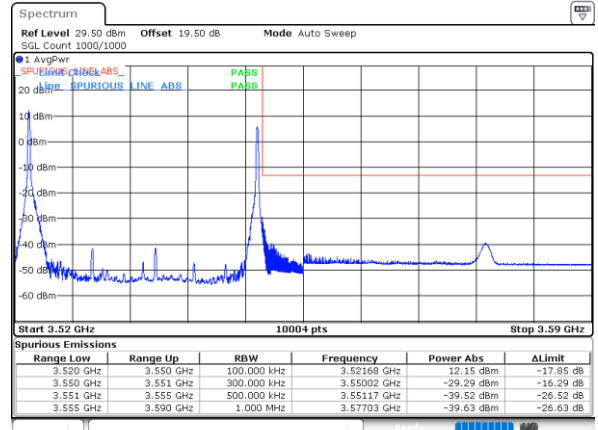
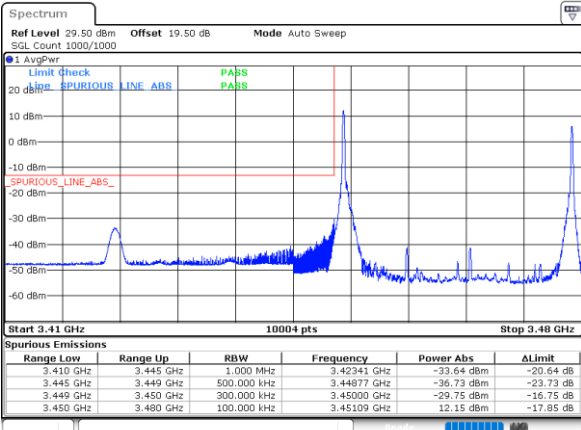


LTE Band 42C / 20MHz+10MHz

QPSK

Lowest Channel / 1RB0 and 1RB49

Highest Channel / 1RB0 and 1RB49

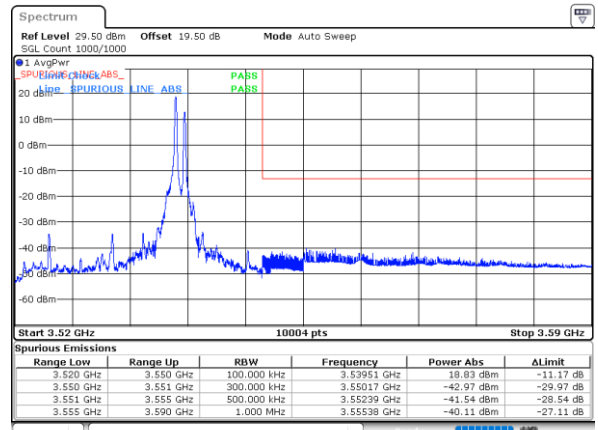
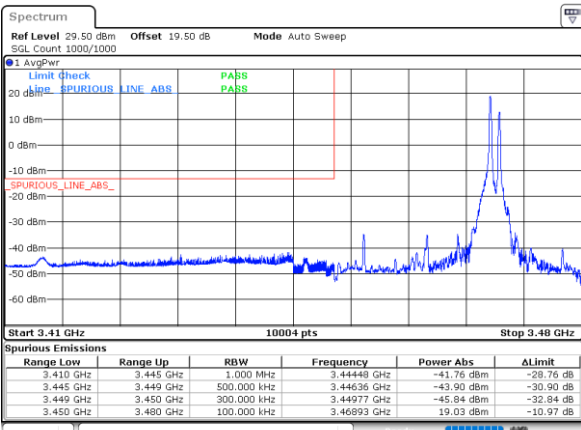


Date: 12 JUN 2023 15:01:38

Date: 12 JUN 2023 15:18:04

Lowest Channel / 1RB99 and 1RB0

Highest Channel / 1RB99 and 1RB0

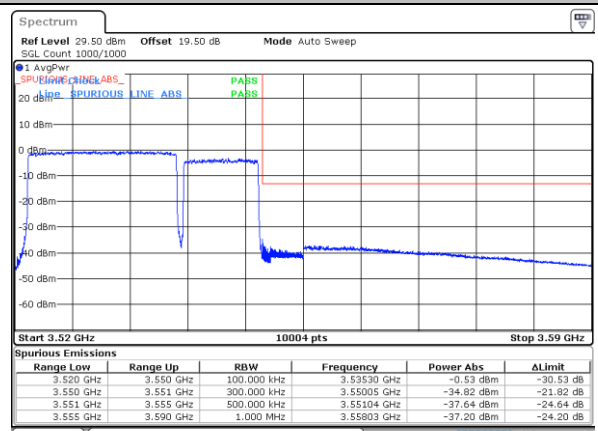
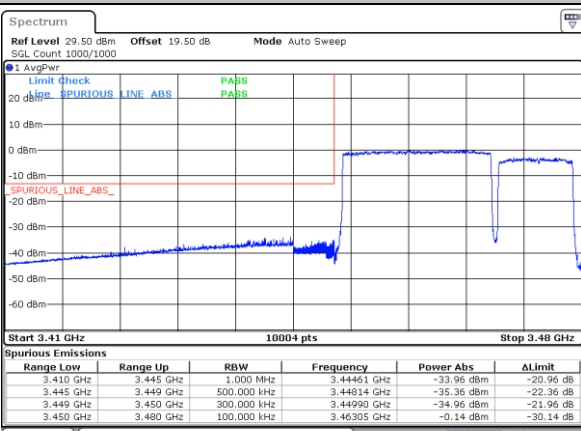


Date: 12 JUN 2023 15:05:14

Date: 12 JUN 2023 15:21:40

Lowest Channel / Full RB

Highest Channel / Full RB



Date: 12 JUN 2023 14:58:02

Date: 12 JUN 2023 15:14:27

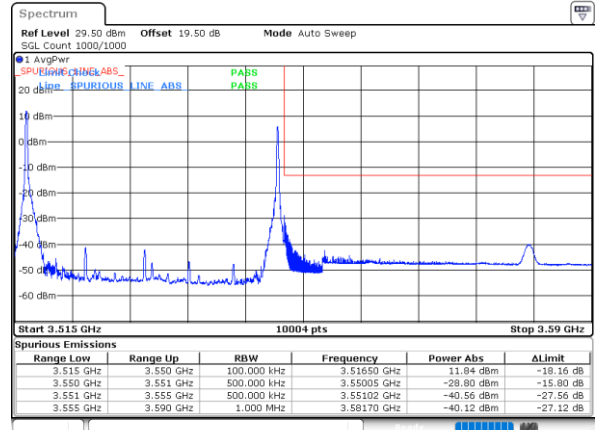
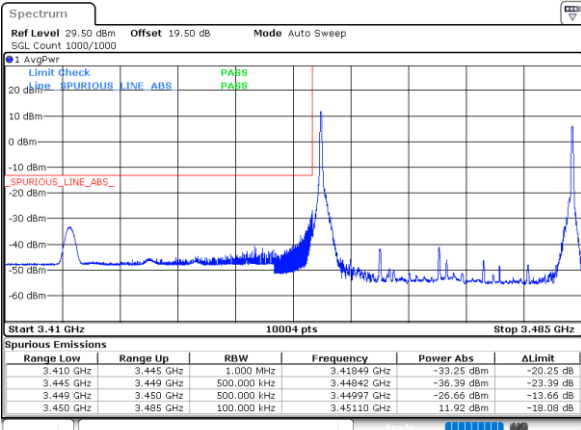


LTE Band 42C / 20MHz+15MHz

QPSK

Lowest Channel / 1RB0 and 1RB74

Highest Channel / 1RB0 and 1RB74

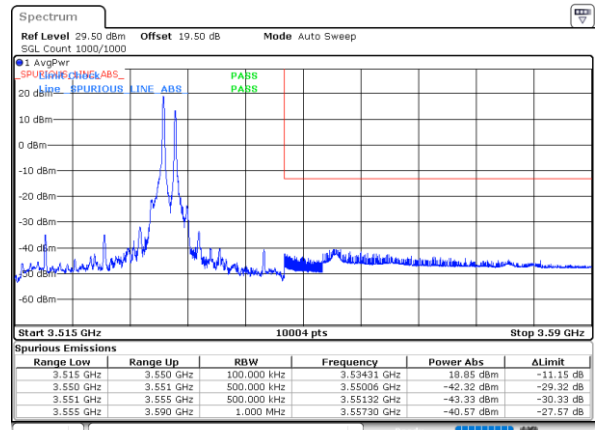
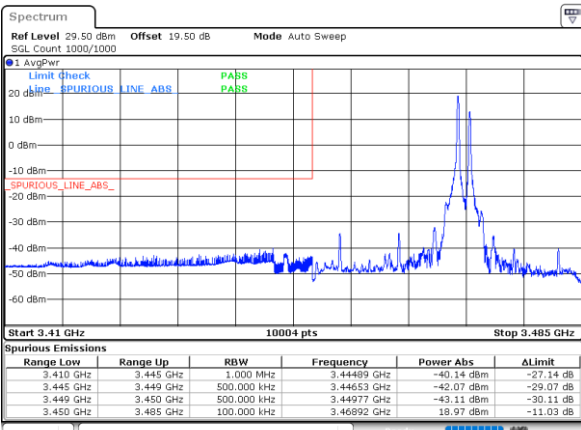


Date: 12 JUN 2023 16:41:14

Date: 12 JUN 2023 16:56:00

Lowest Channel / 1RB99 and 1RB0

Highest Channel / 1RB99 and 1RB0

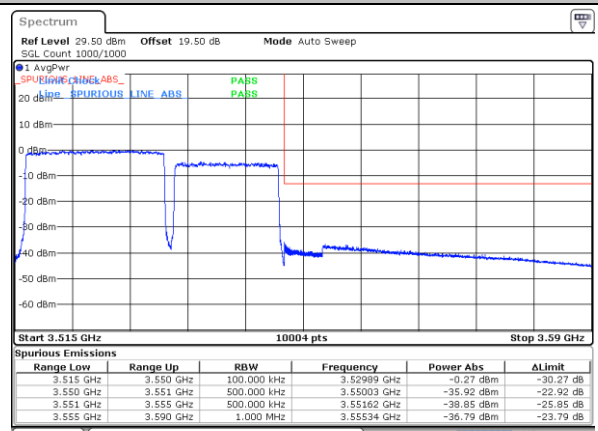
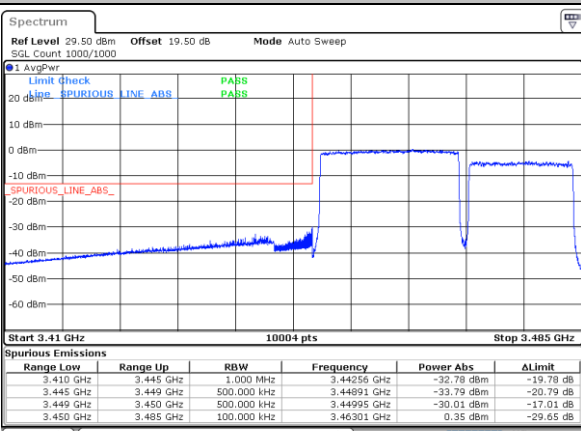


Date: 12 JUN 2023 16:44:57

Date: 12 JUN 2023 16:59:37

Lowest Channel / Full RB

Highest Channel / Full RB



Date: 12 JUN 2023 16:37:51

Date: 12 JUN 2023 16:52:24

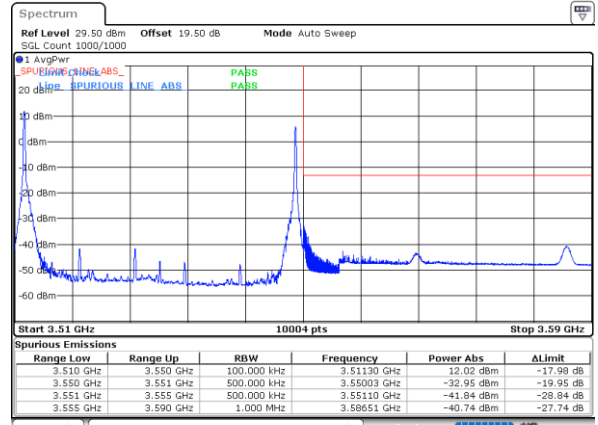
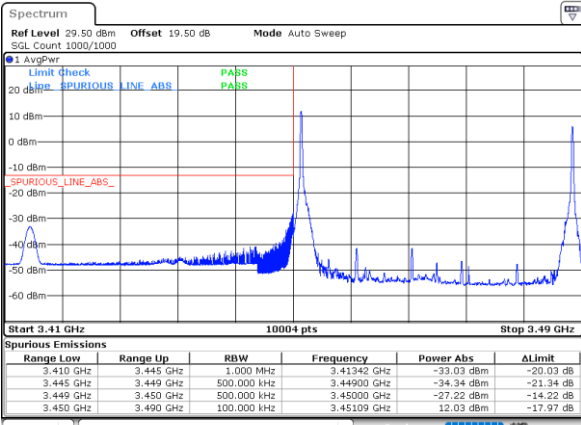


LTE Band 42C / 20MHz+20MHz

QPSK

Lowest Channel / 1RB0 and 1RB9

Highest Channel / 1RB0 and 1RB9

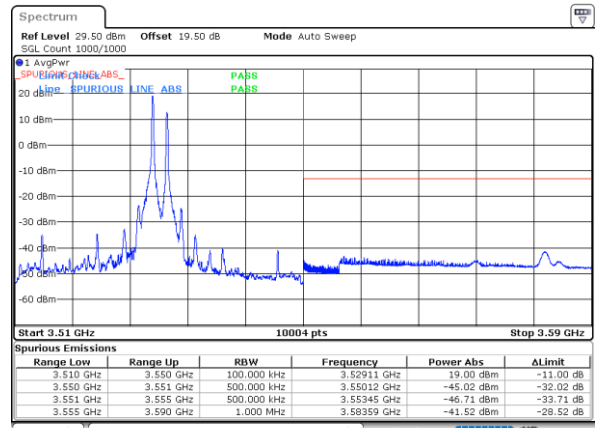
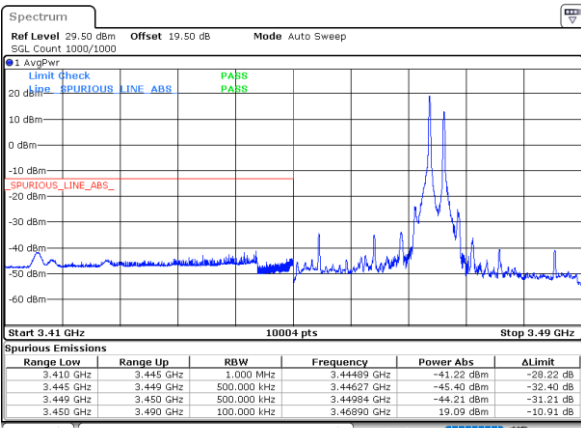


Date: 12 JUN 2023 17:08:52

Date: 12 JUN 2023 17:26:07

Lowest Channel / 1RB99 and 1RB0

Highest Channel / 1RB99 and 1RB0

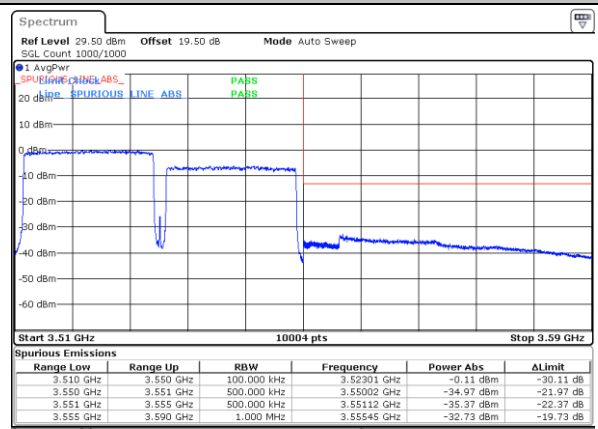
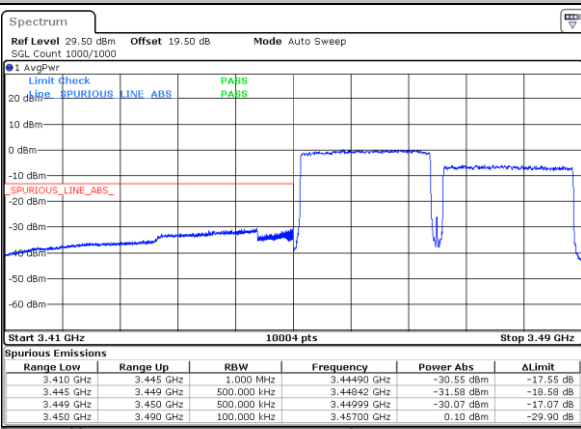


Date: 12 JUN 2023 17:12:35

Date: 12 JUN 2023 17:29:43

Lowest Channel / Full RB

Highest Channel / Full RB



Date: 12 JUN 2023 17:05:08

Date: 12 JUN 2023 17:22:31

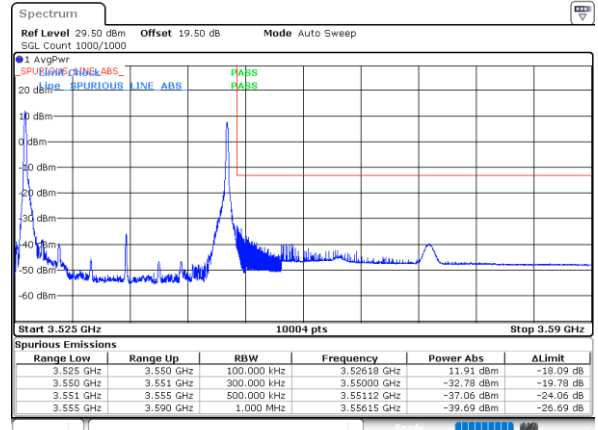
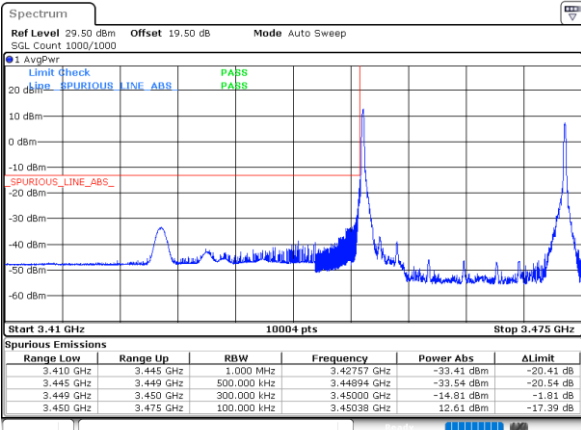


LTE Band 42C / 5MHz+20MHz

16QAM

Lowest Channel / 1RB0 and 1RB9

Highest Channel / 1RB0 and 1RB9

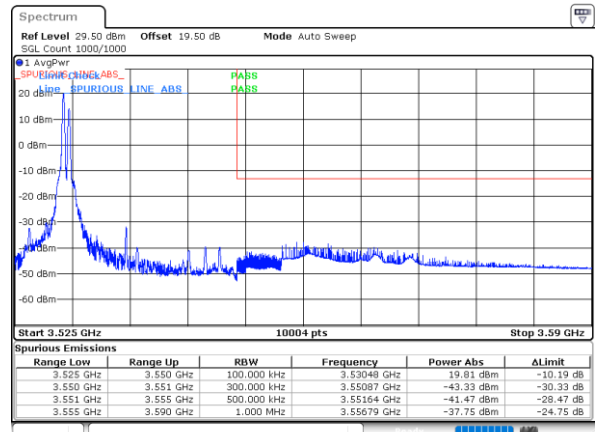
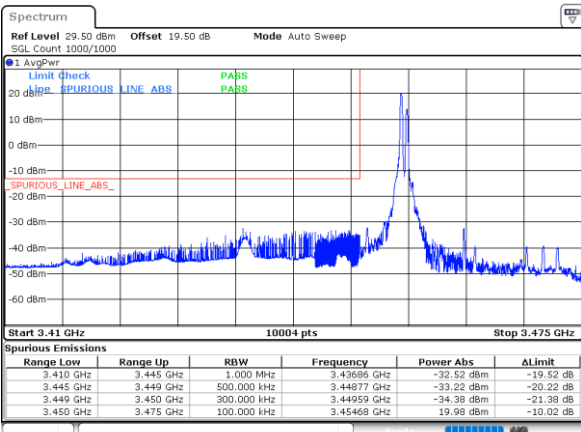


Date: 12 JUN 2023 11:16:32

Date: 12 JUN 2023 11:27:25

Lowest Channel / 1RB24 and 1RB0

Highest Channel / 1RB24 and 1RB0

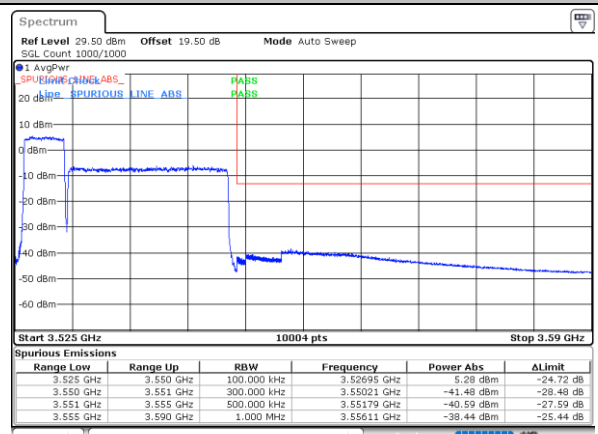
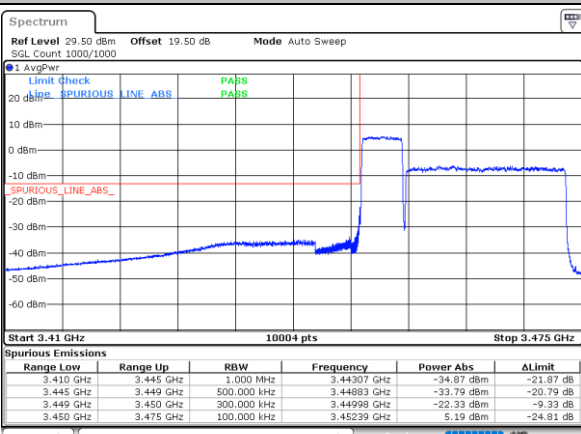


Date: 12 JUN 2023 11:20:08

Date: 12 JUN 2023 11:31:00

Lowest Channel / Full RB

Highest Channel / Full RB



Date: 12 JUN 2023 11:12:57

Date: 12 JUN 2023 11:23:49

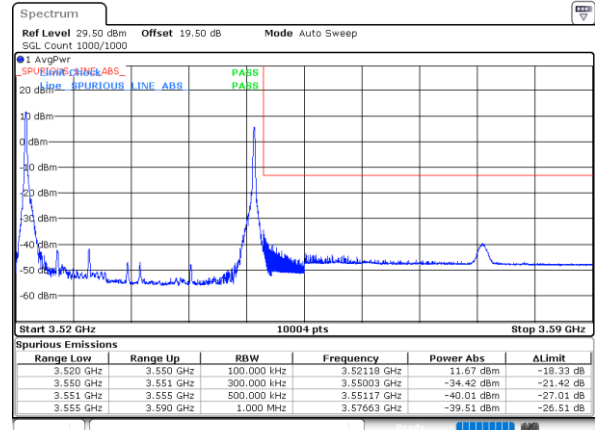
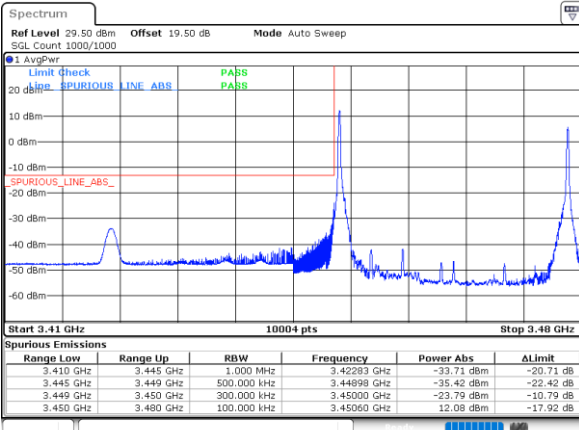


LTE Band 42C / 10MHz+20MHz

16QAM

Lowest Channel / 1RB0 and 1RB9

Highest Channel / 1RB0 and 1RB9

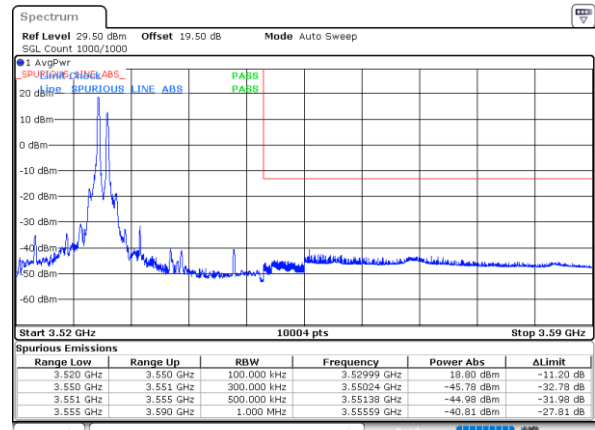
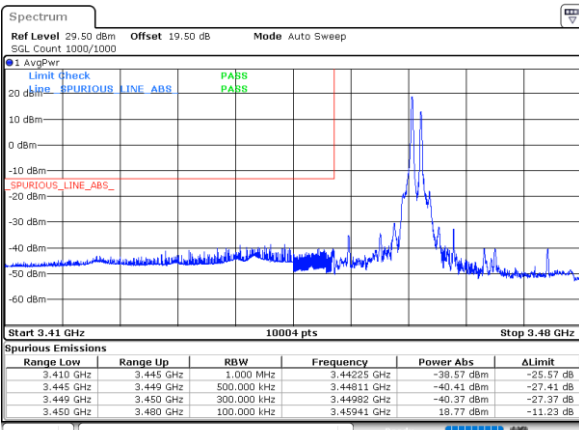


Date: 12 JUN 2023 14:21:54

Date: 12 JUN 2023 14:38:24

Lowest Channel / 1RB49 and 1RB0

Highest Channel / 1RB49 and 1RB0

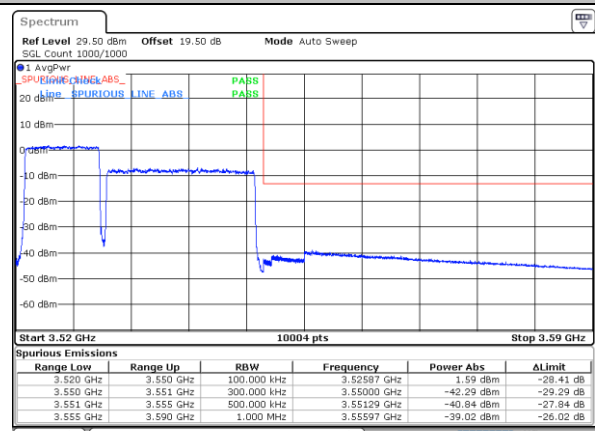
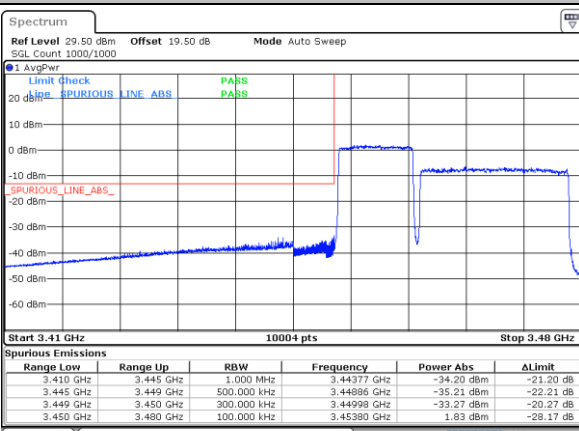


Date: 12 JUN 2023 14:26:30

Date: 12 JUN 2023 14:42:00

Lowest Channel / Full RB

Highest Channel / Full RB



Date: 12 JUN 2023 14:19:18

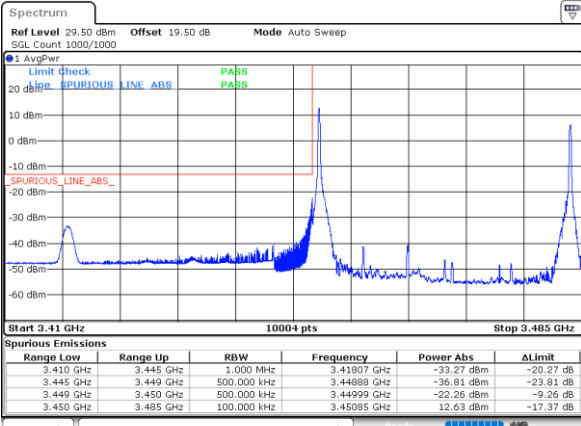
Date: 12 JUN 2023 14:34:48



LTE Band 42C / 15MHz+20MHz

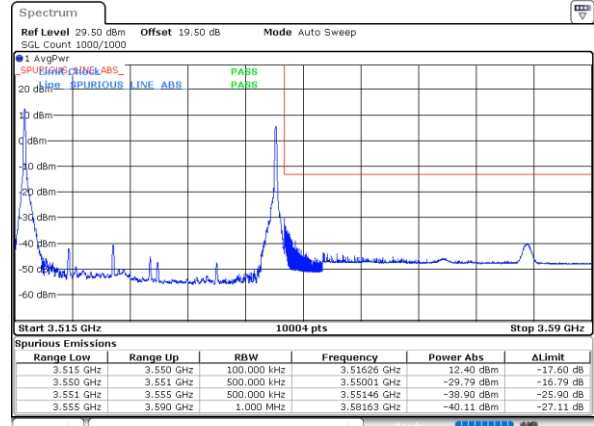
16QAM

Lowest Channel / 1RB0 and 1RB99



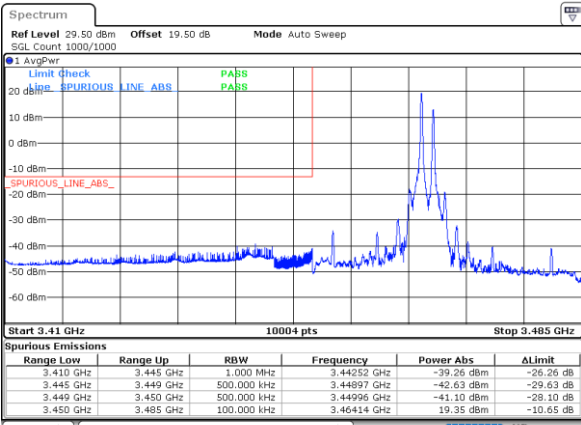
Date: 12 JUN 2023 16:14:50

Highest Channel / 1RB0 and 1RB99



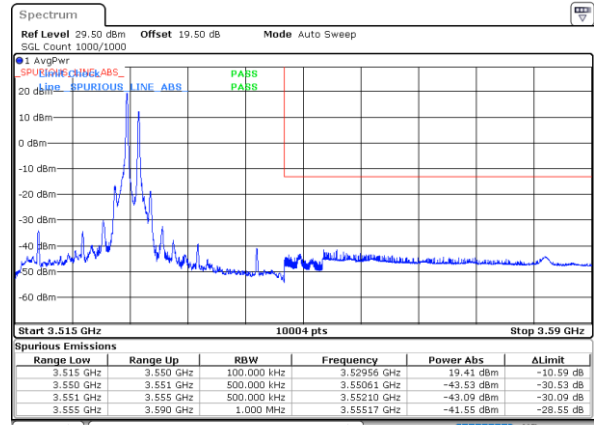
Date: 12 JUN 2023 16:29:34

Lowest Channel / 1RB74 and 1RB0



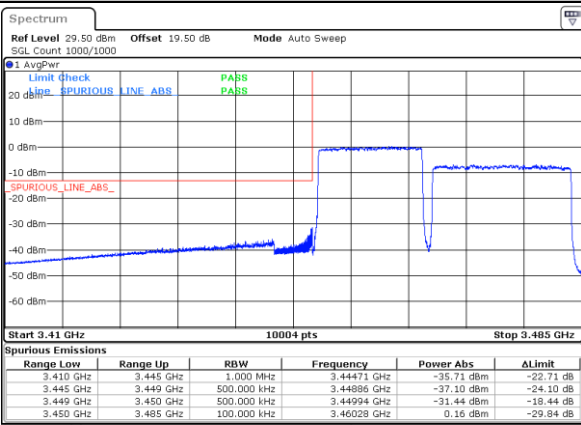
Date: 12 JUN 2023 16:18:53

Highest Channel / 1RB74 and 1RB0



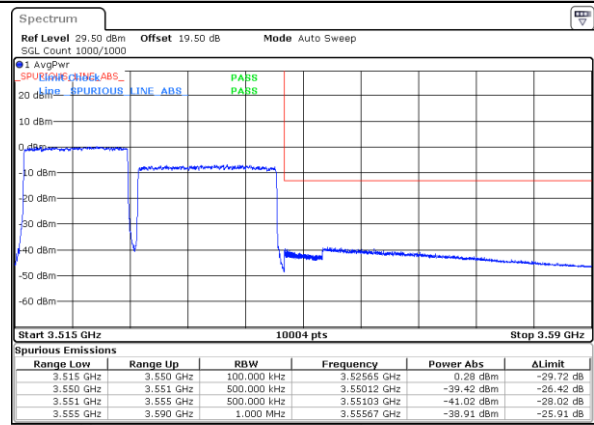
Date: 12 JUN 2023 16:33:10

Lowest Channel / Full RB



Date: 12 JUN 2023 16:11:07

Highest Channel / Full RB



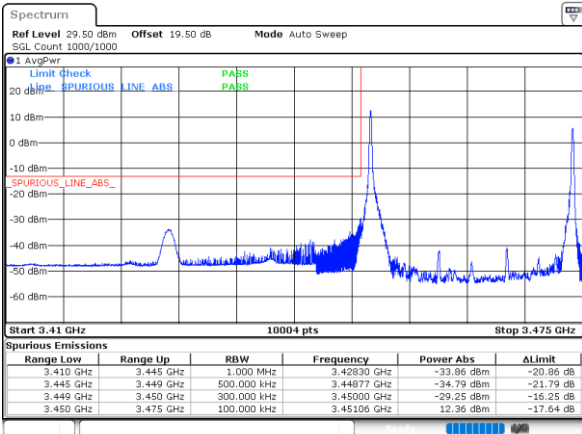
Date: 12 JUN 2023 16:25:57



LTE Band 42C / 20MHz+5MHz

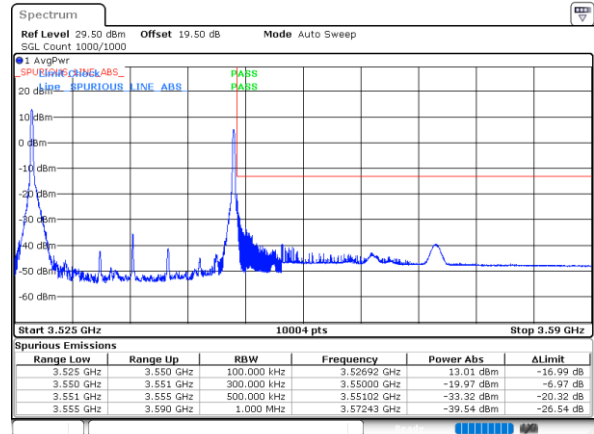
16QAM

Lowest Channel / 1RB0 and 1RB24



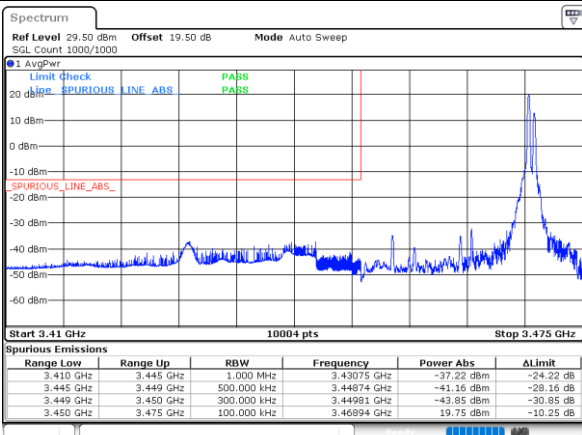
Date: 12 JUN 2023 13:47:09

Highest Channel / 1RB0 and 1RB24



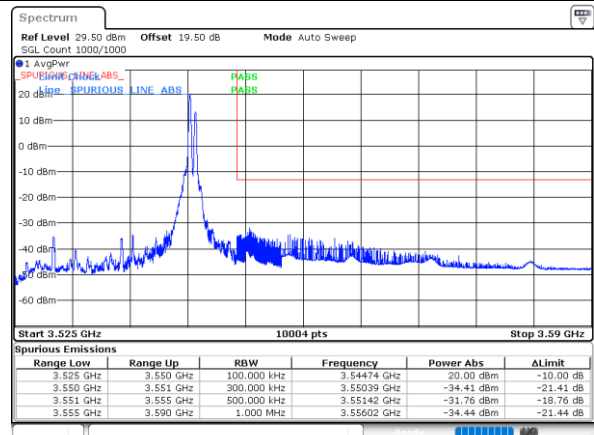
Date: 12 JUN 2023 14:03:36

Lowest Channel / 1RB99 and 1RB0



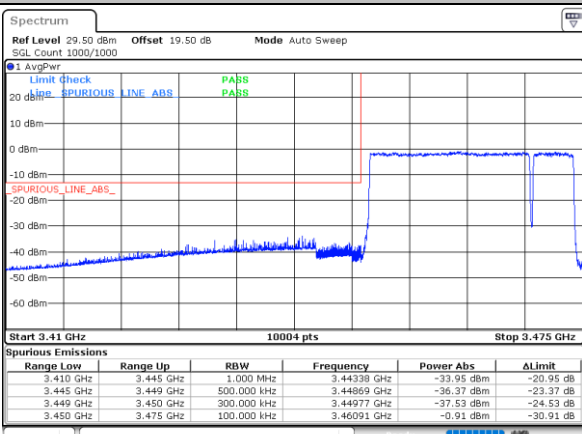
Date: 12 JUN 2023 13:50:45

Highest Channel / 1RB99 and 1RB0



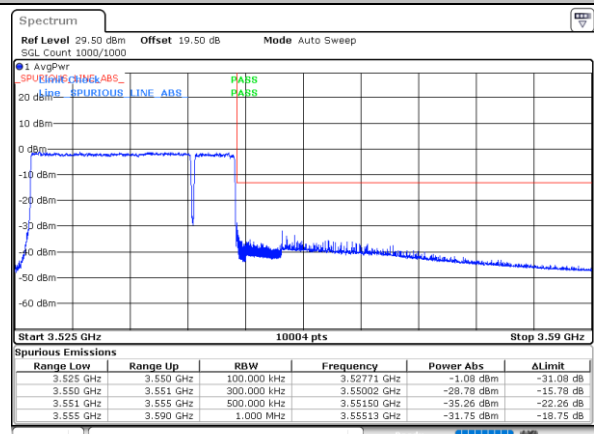
Date: 12 JUN 2023 14:07:12

Lowest Channel / Full RB



Date: 12 JUN 2023 13:43:32

Highest Channel / Full RB



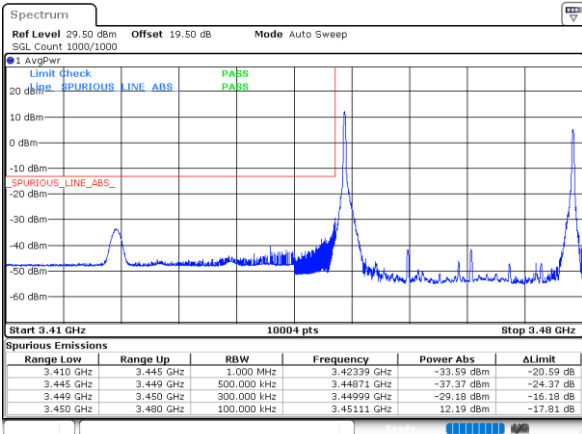
Date: 12 JUN 2023 13:59:59



LTE Band 42C / 20MHz+10MHz

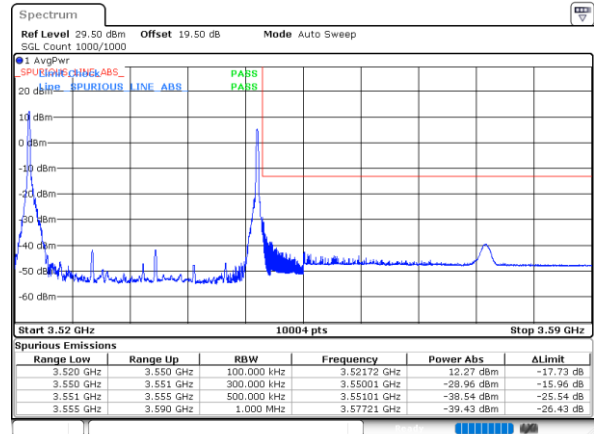
16QAM

Lowest Channel / 1RB0 and 1RB49



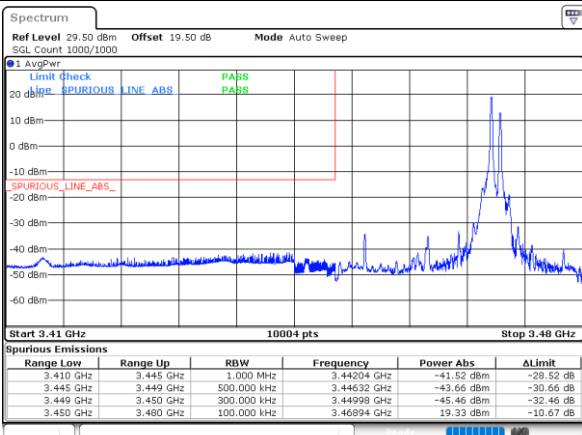
Date: 12 JUN 2023 15:02:50

Highest Channel / 1RB0 and 1RB49



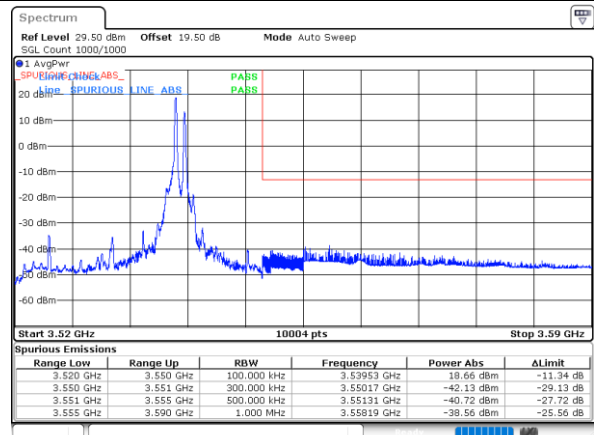
Date: 12 JUN 2023 15:19:16

Lowest Channel / 1RB99 and 1RB0



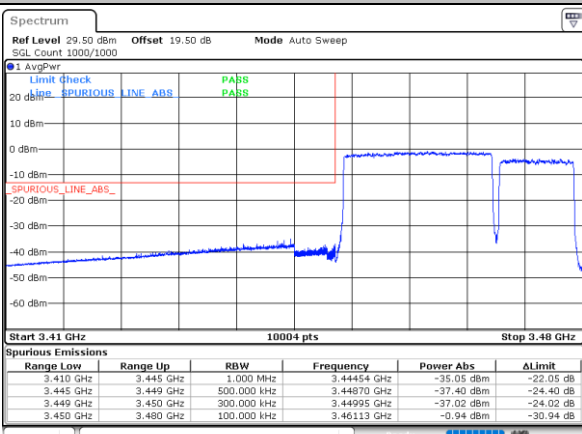
Date: 12 JUN 2023 15:06:26

Highest Channel / 1RB99 and 1RB0



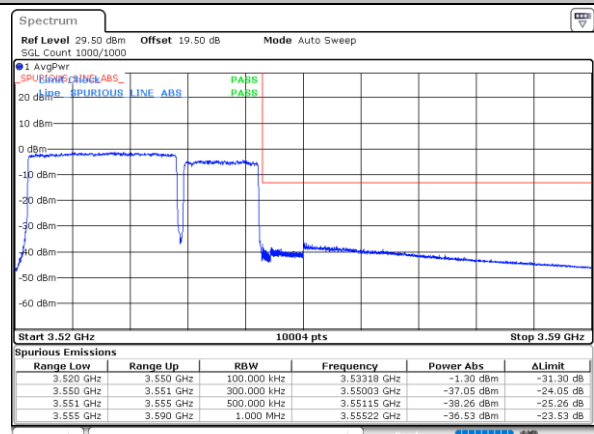
Date: 12 JUN 2023 15:22:51

Lowest Channel / Full RB



Date: 12 JUN 2023 14:59:14

Highest Channel / Full RB



Date: 12 JUN 2023 15:15:39

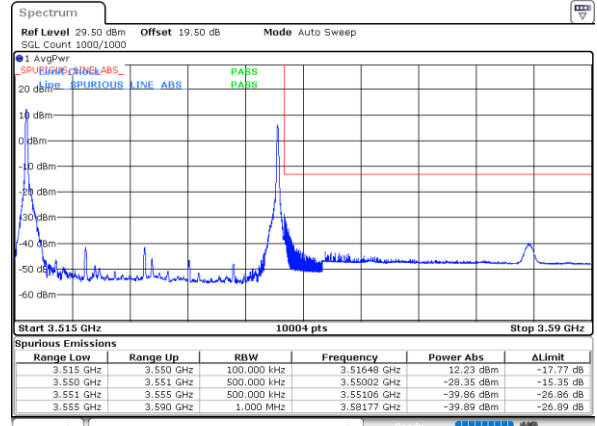
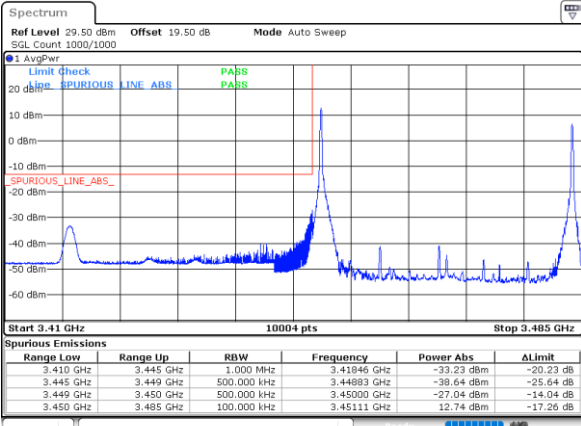


LTE Band 42C / 20MHz+15MHz

16QAM

Lowest Channel / 1RB0 and 1RB74

Highest Channel / 1RB0 and 1RB74

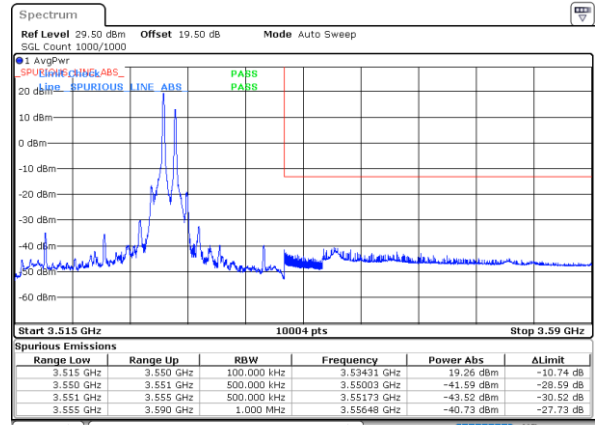
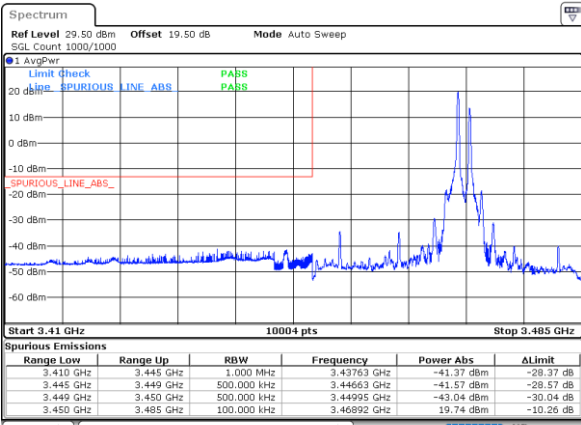


Date: 12 JUN 2023 16:42:28

Date: 12 JUN 2023 16:57:12

Lowest Channel / 1RB99 and 1RB0

Highest Channel / 1RB99 and 1RB0

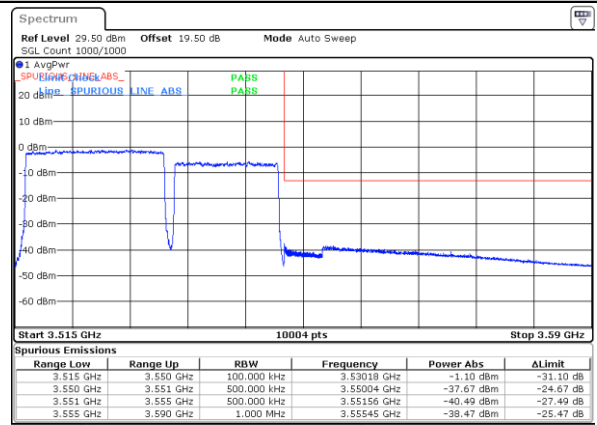
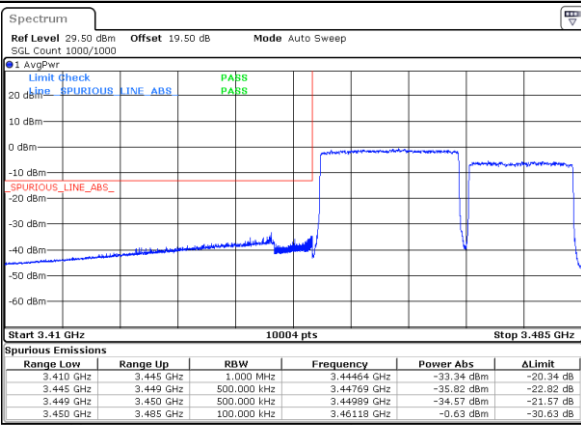


Date: 12 JUN 2023 16:46:11

Date: 12 JUN 2023 17:00:49

Lowest Channel / Full RB

Highest Channel / Full RB



Date: 12 JUN 2023 16:38:45

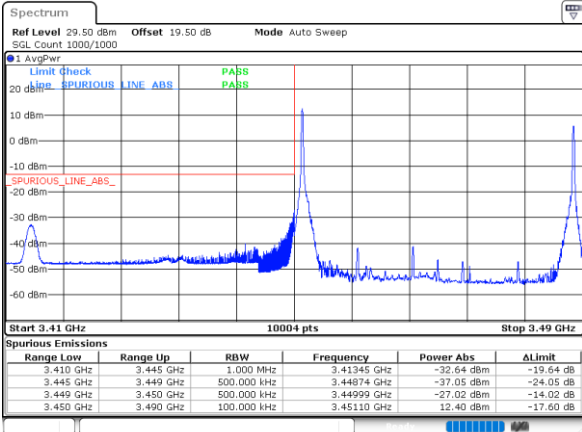
Date: 12 JUN 2023 16:53:36



LTE Band 42C / 20MHz+20MHz

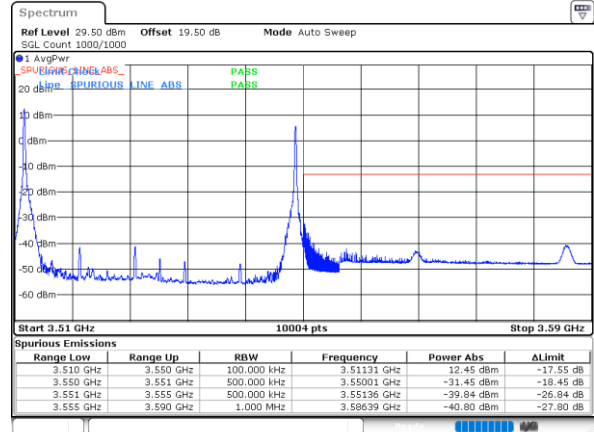
16QAM

Lowest Channel / 1RB0 and 1RB99



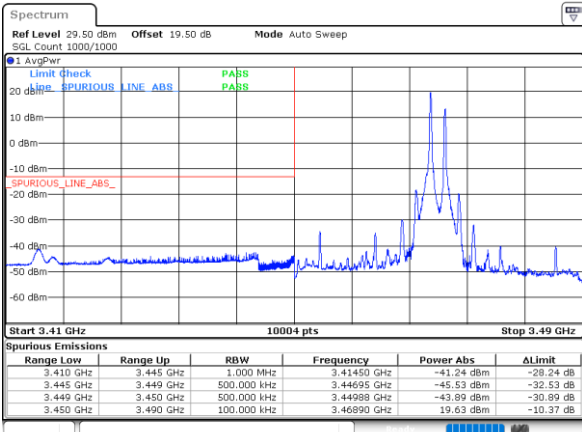
Date: 12 JUN 2023 17:10:06

Highest Channel / 1RB0 and 1RB99



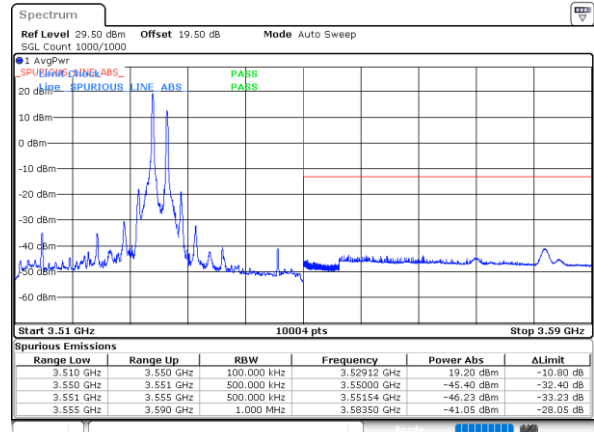
Date: 12 JUN 2023 17:27:19

Lowest Channel / 1RB99 and 1RB0



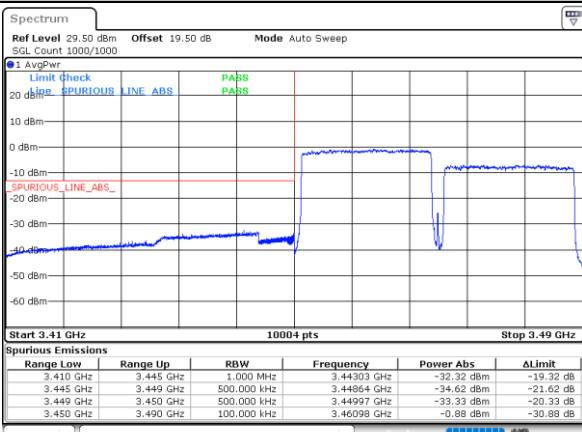
Date: 12 JUN 2023 17:13:49

Highest Channel / 1RB99 and 1RB0



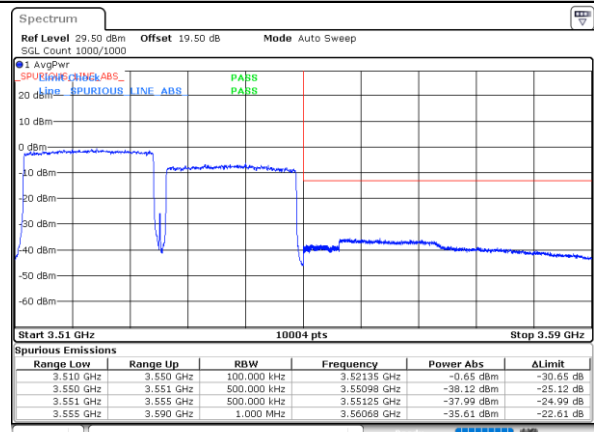
Date: 12 JUN 2023 17:30:56

Lowest Channel / Full RB



Date: 12 JUN 2023 17:06:22

Highest Channel / Full RB



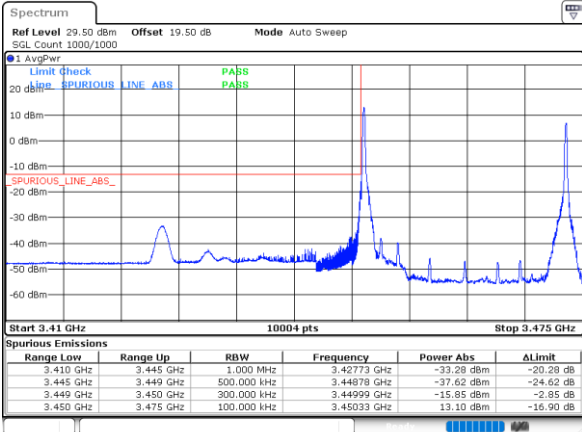
Date: 12 JUN 2023 17:23:43



LTE Band 42C / 5MHz+20MHz

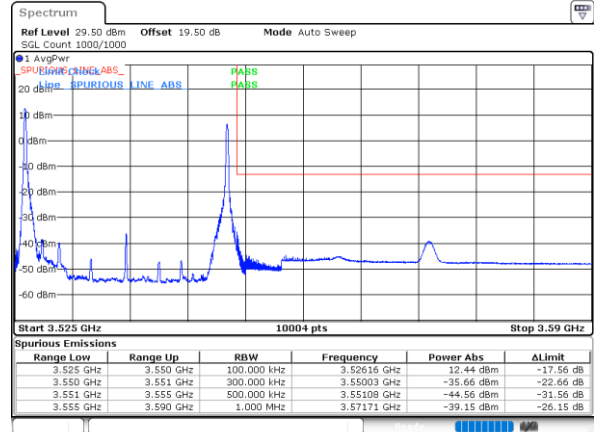
64QAM

Lowest Channel / 1RB0 and 1RB99



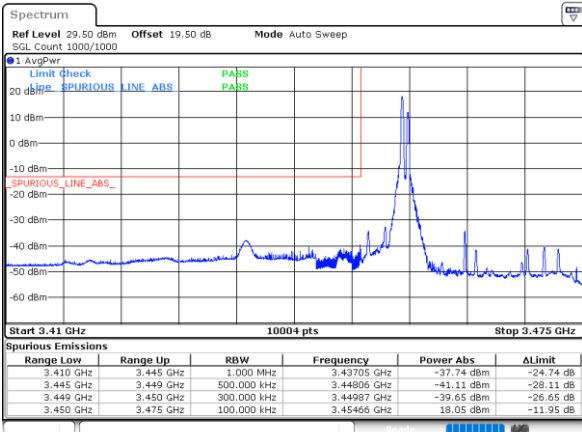
Date: 12 JUN 2023 11:17:44

Highest Channel / 1RB0 and 1RB99



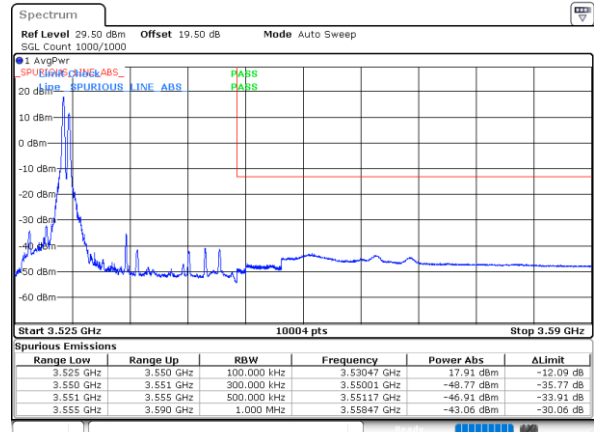
Date: 12 JUN 2023 11:28:36

Lowest Channel / 1RB24 and 1RB0



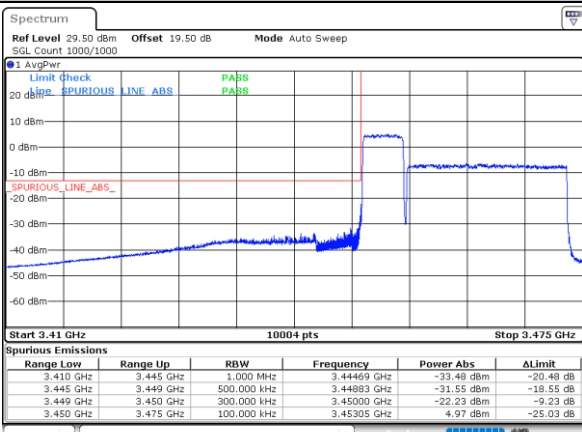
Date: 12 JUN 2023 11:21:19

Highest Channel / 1RB24 and 1RB0



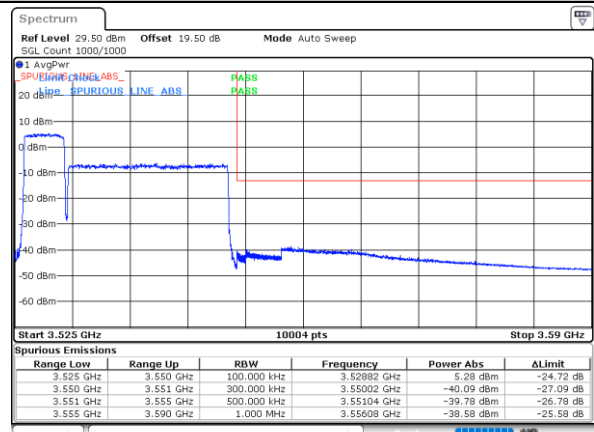
Date: 12 JUN 2023 11:32:11

Lowest Channel / Full RB



Date: 12 JUN 2023 11:14:09

Highest Channel / Full RB



Date: 12 JUN 2023 11:25:01