FCC RF Test Report

APPLICANT	:	**FCNT LLC.**
EQUIPMENT	:	**Mobile cellular phone**
BRAND NAME	:	**arrows We2**
MODEL NAME	:	**FCG02**
FCC ID	:	**2BEPUFMP196**
STANDARD	:	**47 CFR Part 2, 24(E), 27(L), 27(M)**
CLASSIFICATION	:	**PCS Licensed Transmitter Held to Ear (PCE)**
TEST DATE(S)	:	**Jan. 29, 2024 ~ Apr. 15, 2024**

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

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

Jason Jia

Approved by: Jason Jia

ACCREDITED
Cert #5145.02

Sporton International Inc. (Kunshan)
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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 6
1.6 Maximum EIRP Power and Emission Designator 6
1.7 Testing Location 6
1.8 Test Software 7
1.9 Applicable 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 9
2.4 Measurement Results Explanation Example 9
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 and EIRP 13
3.5 Peak-to-Average Ratio 14
3.6 Occupied Bandwidth 15
3.7 Conducted Band Edge 16
3.8 Conducted Spurious Emission 18
3.9 Frequency Stability 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 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
FG3D0613-02B	Rev. 01	Initial issue of report	May 22, 2024

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	-	Report Only	-
	§24.232(c) §27.50(h)(2)	Equivalent Isotropic Radiated Power (Band 2) (Band 38)	EIRP < 2Watt	PASS	-
	§27.50(d)(4)	Equivalent Isotropic Radiated Power (Band 4)	EIRP < 1Watt		-
3.5	§24.232(d)	Peak-to-Average Ratio	<13 dB	PASS	-
3.6	§2.1049	Occupied Bandwidth	-	Report Only	-
3.7	§2.1051 §24.238(a) §27.53(h)	Conducted Band Edge Measurement (Band 2) (Band 4)	< 43+10log10(P[Watts])	PASS	-
	§27.53(m)(4)	Conducted Band Edge Measurement (Band 38)	§27.53(m)(4)		
3.8	§2.1051 §24.238(a) §27.53(h)	Conducted Spurious Emission (Band 2) (Band 4)	< 43+10log10(P[Watts])	PASS	-
	§2.1051 §27.53(m)(4)	Conducted Spurious Emission (Band 38)	< 55+10log$_{10}$(P[Watts])		
3.9	§2.1055 §22.355	Frequency Stability Temperature & Voltage	< 2.5 ppm for Part 22	PASS	-
	§2.1055 §24.235 §27.54		Within Authorized Band		
4.4	§2.1053 §24.238(a) §§27.53(h)	Radiated Spurious Emission (Band 2) (Band 4)	< 43+10log$_{10}$(P[Watts])	PASS	Under limit 34.41 dB at 5176.000 MHz
	§2.1053 §27.53(m)(4)	Radiated Spurious Emission (Band 38)	< 55+10log$_{10}$(P[Watts])		

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/manufacturer 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

FCNT LLC.
Sanki Yamato Bldg. 3F, 7-10-1, Chuorinkan, Yamato-shi, Kanagawa, 242-0007, Japan

1.2 Manufacturer

FCNT LLC.
Sanki Yamato Bldg. 3F, 7-10-1, Chuorinkan, Yamato-shi, Kanagawa, 242-0007, Japan

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile cellular phone
Brand Name	arrows We2
Model Name	FCG02
FCC ID	2BEPUFMP196
IMEI Code	Conducted: 353726530010209/353726530010217 Radiation: 353726530035040/353726530035057
HW Version	V4
SW Version	sys_miss_yamato-userdebug 14 UP1A.231005.007 258 release-keys
EUT Stage	Identical Prototype

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	LTE Band 2 : 1850 MHz ~ 1910 MHz LTE Band 4 : 1710 MHz ~ 1755 MHz LTE Band 38 : 2570 MHz ~ 2620 MHz
Rx Frequency	LTE Band 2 : 1930 MHz ~ 1990 MHz LTE Band 4 : 2110 MHz ~ 2155 MHz LTE Band 38 : 2570 MHz ~ 2620 MHz
Bandwidth	LTE Band 2 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 4 : 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 38 : 5MHz / 10MHz / 15MHz / 20MHz
Maximum Output Power to Antenna	LTE Band 2 : 18.62 dBm LTE Band 4 : 18.55 dBm LTE Band 38 : 19.25 dBm
Antenna Gain	<Ant.1>: LTE Band 2 : -2.13 dBi LTE Band 4 : -2.17 dBi LTE Band 38 : -2.67 dBi
Type of Modulation	QPSK / 16QAM / 64QAM

1.5 Modification of EUT

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

1.6 Maximum EIRP Power and Emission Designator

LTE Band 2		QPSK		16QAM/64QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
20	1860.0 ~ 1900.0	0.0446	17M9G7D	0.0430	17M9W7D
LTE Band 4		**QPSK**		**16QAM/64QAM**	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
20	1720.0 ~ 1745.0	0.0435	17M9G7D	0.0420	17M9W7D
LTE Band 38		**QPSK**		**16QAM/64QAM**	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
20	2580.0 ~ 2610.0	0.0455	17M9G7D	0.0442	17M9W7D

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

1.7 Testing Location

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

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

1.8 Test Software

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

1.9 Applicable Standards

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

- 47 CFR Part 2, 24(E), 27(L), 27(M)
- ANSI C63.26-2015
- FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
- FCC KDB 412172 D01 Determining ERP and EIRP v01r01

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

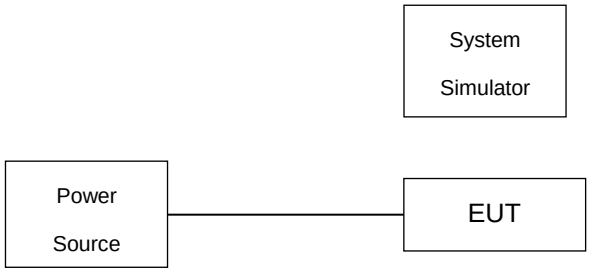
2.1 Test Mode

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

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

Test Items	Band	Bandwidth (MHz)						Modulation			RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	64QAM	1	Half	Full	L	M	H
Max. Output Power	2	v	v	v	v	v	v	v	v	v	v		v	v	v	v
	4	v	v	v	v	v	v	v	v	v	v		v	v	v	v
	38	-	-	v	v	v	v	v	v	v	v		v	v	v	v
Peak-to-Average Ratio	2						v	v	v	v			v		v	
	4						v	v	v	v			v		v	
	38	-	-				v	v	v	v			v		v	
26dB and 99% Bandwidth	2	v	v	v	v	v	v	v	v				v		v	
	4	v	v	v	v	v	v	v	v				v		v	
	38	-	-	v	v	v	v	v	v				v		v	
Conducted Band Edge	2	v	v	v	v	v	v	v	v	v	v		v	v		v
	4	v	v	v	v	v	v	v	v	v	v		v	v		v
	38	-	-	v	v	v	v	v	v	v	v		v	v		v
Conducted Spurious Emission	2	v	v	v	v	v	v	v			v			v	v	v
	4	v	v	v	v	v	v	v			v			v	v	v
	38	-	-	v	v	v	v	v			v			v	v	v
Frequency Stability	2				v			v					v		v	
	4				v			v					v		v	
	38	-	-		v			v					v		v	
E.I.R.P	2	v	v	v	v	v	v	v	v	v	v		v	v	v	v
	4	v	v	v	v	v	v	v	v	v	v		v	v	v	v
	38	-	-	v	v	v	v	v	v	v	v		v	v	v	v
Radiated Spurious Emission	2	Worst Case													v	
	4	Worst Case													v	
	38	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



This example is connection diagram of EUT test configurations.

. For detail, please refer to test mode configuration and setup photographs for each test item.

2.3 Support Unit used in test configuration and system

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

2.4 Measurement Results Explanation Example

For all conducted test items:

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

The spectrum analyzer offset is derived from RF cable loss.

Offset = RF cable loss.

Following shows an offset computation example with cable loss 5.2 dB.

Example :

Offset(dB) = RF cable loss(dB)

= 5.2 (dB)

2.5 Frequency List of Low/Middle/High Channels

LTE Band 2 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	18700	18900	19100
	Frequency	1860	1880	1900
15	Channel	18675	18900	19125
	Frequency	1857.5	1880	1902.5
10	Channel	18650	18900	19150
	Frequency	1855	1880	1905
5	Channel	18625	18900	19175
	Frequency	1852.5	1880	1907.5
3	Channel	18615	18900	19185
	Frequency	1851.5	1880	1908.5
1.4	Channel	18607	18900	19193
	Frequency	1850.7	1880	1909.3

LTE Band 4 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	20050	20175	20300
	Frequency	1720	1732.5	1745
15	Channel	20025	20175	20325
	Frequency	1717.5	1732.5	1747.5
10	Channel	20000	20175	20350
	Frequency	1715	1732.5	1750
5	Channel	19975	20175	20375
	Frequency	1712.5	1732.5	1752.5
3	Channel	19965	20175	20385
	Frequency	1711.5	1732.5	1753.5
1.4	Channel	19957	20175	20393
	Frequency	1710.7	1732.5	1754.3

LTE Band 38 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
20	Channel	37850	38000	38150
	Frequency	2580	2595	2610
15	Channel	37825	38000	38175
	Frequency	2577.5	2595	2612.5
10	Channel	37800	38000	38200
	Frequency	2575	2595	2615
5	Channel	37775	38000	38225
	Frequency	2572.5	2595	2617.5

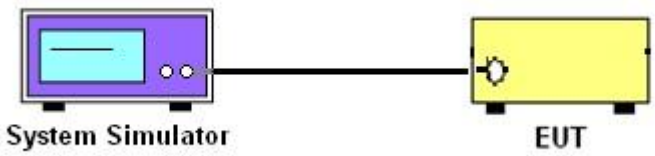
3 Conducted Test Items

3.1 Measuring Instruments

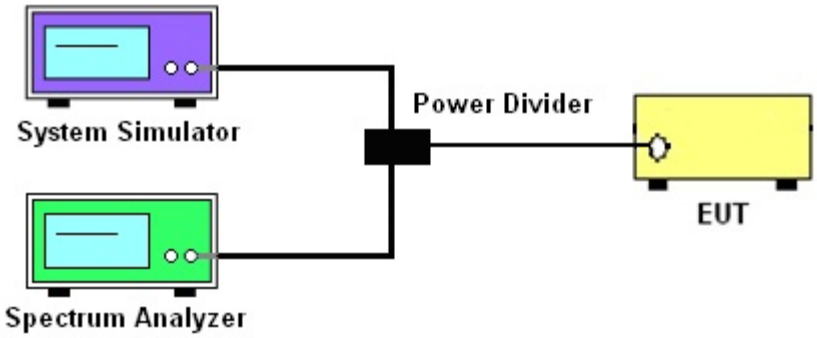
See list of measuring instruments of this test report.

3.2 Test Setup

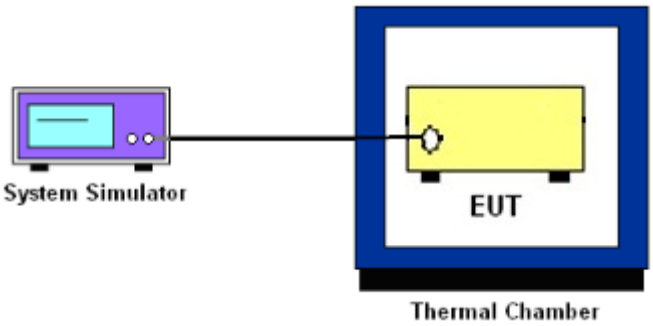
3.2.1 Conducted Output Power



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



3.2.3 Frequency Stability



3.3 Test Result of Conducted Test

Please refer to Appendix A.

3.4 Conducted Output Power and EIRP

3.4.1 Description of the Conducted Output Power Measurement and EIRP Measurement

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

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 2

The EIRP of mobile transmitters must not exceed 1 Watts for LTE Band 4

The EIRP of mobile transmitters must not exceed 2 Watts for LTE Band 38.

According to KDB 412172 D01 Power Approach,

EIRP = $P_T + G_T – L_C$, ERP = EIRP -2.15, where

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB

3.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.2
2. The transmitter output port was connected to the system simulator.
3. Set EUT at maximum power through the system simulator.
4. Select lowest, middle, and highest channels for each band and different modulation.
5. Measure and record the power level from the system simulator.

3.5 Peak-to-Average Ratio

3.5.1 Description of the PAR Measurement

Power Complementary Cumulative Distribution Function (CCDF) curves provide a means for characterizing the power peaks of a digitally modulated signal on a statistical basis. A CCDF curve depicts the probability of the peak signal amplitude exceeding the average power level. Most contemporary measurement instrumentation include the capability to produce CCDF curves for an input signal provided that the instrument's resolution bandwidth can be set wide enough to accommodate the entire input signal bandwidth. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

3.5.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.2.3.4 (CCDF).
2. The EUT was connected to spectrum and system simulator via a power divider.
3. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
4. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.
5. Record the deviation as Peak to Average Ratio.

3.6 Occupied Bandwidth

3.6.1 Description of Occupied Bandwidth Measurement

The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

3.6.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.4
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
4. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
5. Set the detection mode to peak, and the trace mode to max hold.
6. Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace.
   (this is the reference value)
7. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
8. Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “–X dB down amplitude” determined in step 6. If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
9. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

3.7 Conducted Band Edge

3.7.1 Description of Conducted Band Edge Measurement

24.238 (a)

For operations in the 1850-1910 and 1930-1990 MHz band, the FCC limit is 43 + $10\log_{10}$(P[Watts]) dB below the transmitter power P(Watts) in a 1MHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53 (h)

For operations in the 1710 – 1755 MHz band, the FCC limit is 43 + $10\log_{10}$(P[Watts]) dB below the transmitter power P(Watts) in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53(m)(4)

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

3.7.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
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 >= 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
5. Beyond the 1 MHz band from the band edge, RBW=1MHz was used or a narrower RBW was used and the measured power was integrated over the full required measurement bandwidth of 1 MHz.
6. Set spectrum analyzer with RMS detector.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
8. Checked that all the results comply with the emission limit line.

   Example:

   The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)

   = P(W)- [43 + 10log(P)] (dB)

   = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB) = -13dBm.
9. For LTE Band 38, the other 40 dB, and 55 dB have additionally applied same calculation above.
10. When using the integration method, the starting frequency of the integration shall be centered at one-half of the RBW away from the band edge.

3.8 Conducted Spurious Emission

3.8.1 Description of Conducted Spurious Emission Measurement

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

For Band 38:

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least 55 + 10 log (P) dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

3.8.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
4. The middle channel for the highest RF power within the transmitting frequency was measured.
5. The conducted spurious emission for the whole frequency range was taken.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
7. Set spectrum analyzer with RMS detector.
8. Taking the record of maximum spurious emission.
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
10. The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [43 + 10log(P)] (dB)
    = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
    = -13dBm.
11. For Band 38
    The limit line is derived from 55 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [55+ 10log(P)] (dB)
    = [30+ 10log(P)] (dBm) - [55+ 10log(P)] (dB)
    = -25dBm.

3.9 Frequency Stability

3.9.1 Description of Frequency Stability Measurement

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

3.9.2 Test Procedures for Temperature Variation

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

3.9.3 Test Procedures for Voltage Variation

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

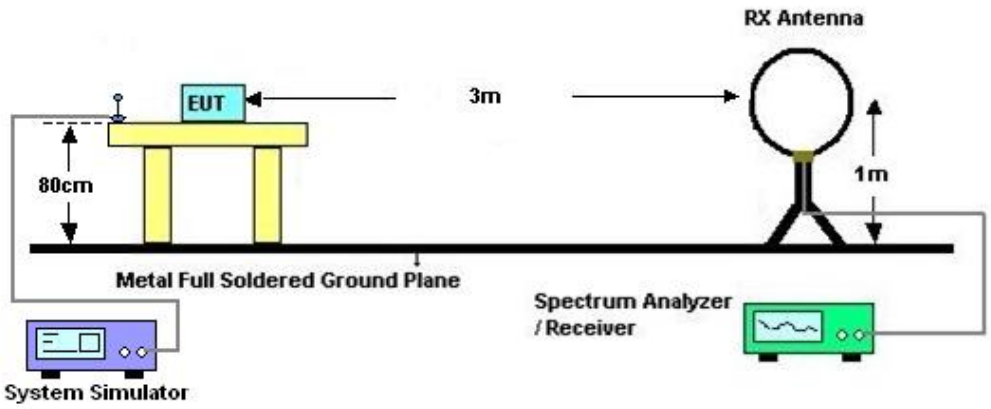
4 Radiated Test Items

4.1 Measuring Instruments

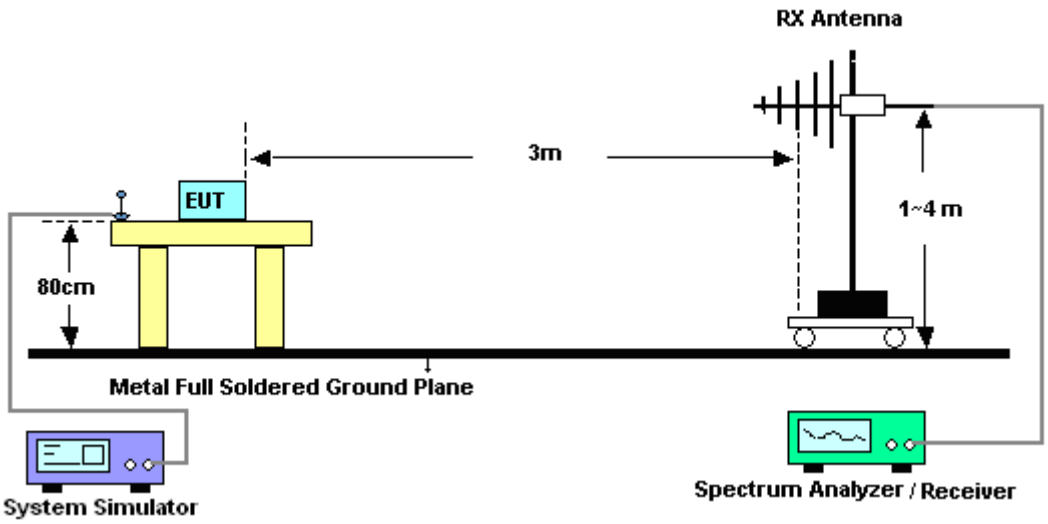
See list of measuring instruments of this test report.

4.2 Test Setup

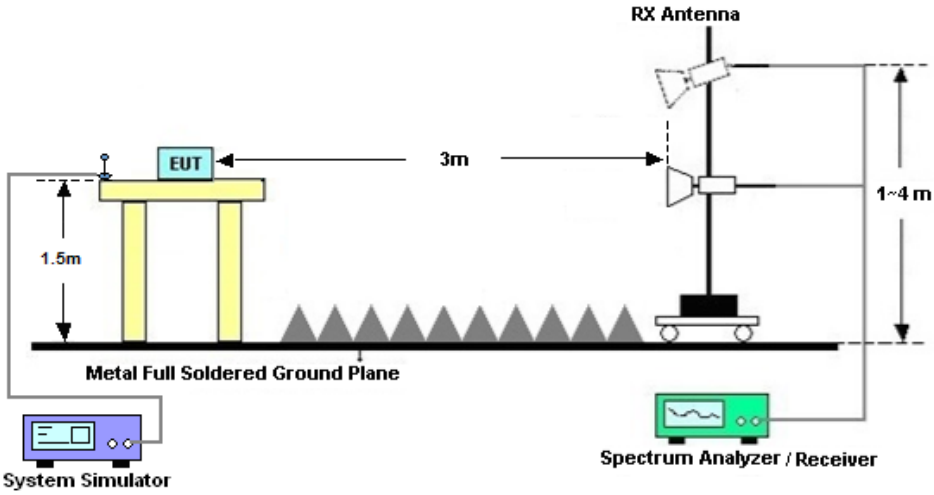
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



4.2.3 For radiated test above 1GHz



4.3 Test Result of Radiated Test

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

Please refer to Appendix B.

4.4 Radiated Spurious Emission

4.4.1 Description of Radiated Spurious Emission

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

For Band 38

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least 55 + 10 log (P) dB.

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

4.4.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
2. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
6. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
7. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
8. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
9. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
10. EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain
11. ERP (dBm) = EIRP - 2.15
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
    The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
    = P(W)- [43 + 10log(P)] (dB)
    = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
    = -13dBm.
13. For Band 38:
    The limit line is derived from 55 + 10log(P)dB below the transmitter power P(Watts)

5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Oct. 11, 2023	Jan. 29, 2024~ Apr. 15, 2024	Oct. 10, 2024	Conducted (TH01-KS)
Power divider	STI	STI08-0055	-	0.5~40GHz	NCR	Jan. 29, 2024~ Apr. 15, 2024	NCR	Conducted (TH01-KS)
Temperature & humidity chamber	Hongzhan	LP-150U	H2014011440	-40~+150°C 20%~95%RH	Jul. 06, 2023	Jan. 29, 2024~ Apr. 15, 2024	Jul. 05, 2024	Conducted (TH01-KS)
EXA Spectrum Analyzer	Keysight	N9010B	MY57471079	10Hz-44G,MAX 30dB	Oct. 10, 2023	Apr. 07, 2024	Oct. 09, 2024	Radiation (03CH04-KS)
Loop Antenna	R&S	HFH2-Z2E	101125	9kHz~30MHz	Sep. 11 2023	Apr. 07, 2024	Sep. 10, 2024	Radiation (03CH04-KS)
Bilog Antenna	TeseQ	CBL6111D	49922	30MHz-1GHz	Apr. 09, 2023	Apr. 07, 2024	Apr. 08, 2024	Radiation (03CH04-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00251694	1GHz~18GHz	Jul. 12, 2023	Apr. 07, 2024	Jul. 11, 2024	Radiation (03CH04-KS)
SHF-EHF Horn	Com-power	AH-840	101070	18GHz~40GHz	Jan. 05, 2024	Apr. 07, 2024	Jan. 04, 2025	Radiation (03CH04-KS)
Amplifier	SONOMA	310N	380827	9KHz-1GHz	Jul. 06, 2023	Apr. 07, 2024	Jul. 05, 2024	Radiation (03CH04-KS)
Amplifier	MITEQ	EM18G40G GA	060728	18~40GHz	Jan. 05, 2024	Apr. 07, 2024	Jan. 04, 2025	Radiation (03CH04-KS)
high gain Amplifier	EM	EM01G18G A	060840	1Ghz-18Ghz	Oct. 10, 2023	Apr. 07, 2024	Oct. 09, 2024	Radiation (03CH04-KS)
Amplifier	Agilent	8449B	3008A02370	1Ghz-18Ghz	Oct. 10, 2023	Apr. 07, 2024	Oct. 09, 2024	Radiation (03CH04-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Apr. 07, 2024	NCR	Radiation (03CH04-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Apr. 07, 2024	NCR	Radiation (03CH04-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Apr. 07, 2024	NCR	Radiation (03CH04-KS)

NCR: No Calibration Required

6 Measurement Uncertainty

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

Uncertainty of Conducted Measurement

Test Item	Uncertainty
Conducted Spurious Emission & Bandedge	±2.26 dB
Occupied Channel Bandwidth	±0.1%
Conducted Power	±0.46 dB
Peak to Average Ratio	±0.46 dB
Frequency Stability	±0.4 Hz

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.82 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.56 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.54 dB

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

Appendix A. Test Results of Conducted Test

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

Conducted Output Power(Average power) and EIRP

LTE Band2 :

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				18700	18900	19100			
Frequency (MHz)				1860	1880	1900	L	M	H
20	QPSK	1	0	18.56	18.62	18.54	0.0440	0.0446	0.0438
20	QPSK	1	99	18.39	18.50	18.51	0.0423	0.0434	0.0435
20	QPSK	100	0	18.51	18.42	18.35	0.0435	0.0426	0.0419
20	16QAM	1	0	18.46	18.45	18.41	0.0430	0.0429	0.0425
20	64QAM	1	0	18.44	18.36	18.27	0.0428	0.0420	0.0411
Channel				18675	18900	19125	EIRP(W)		
Frequency (MHz)				1857.5	1880	1902.5	L	M	H
15	QPSK	1	0	18.41	18.55	18.49	0.0425	0.0439	0.0433
15	16QAM	1	0	18.28	18.26	18.27	0.0412	0.0410	0.0411
Channel				18650	18900	19150	EIRP(W)		
Frequency (MHz)				1855	1880	1905	L	M	H
10	QPSK	1	0	18.42	18.50	18.39	0.0426	0.0434	0.0423
10	16QAM	1	0	18.35	18.26	18.29	0.0419	0.0410	0.0413
Channel				18625	18900	19175	EIRP(W)		
Frequency (MHz)				1852.5	1880	1907.5	L	M	H
5	QPSK	1	0	18.52	18.44	18.39	0.0436	0.0428	0.0423
5	16QAM	1	0	18.28	18.25	18.37	0.0412	0.0409	0.0421
Channel				18615	18900	19185	EIRP(W)		
Frequency (MHz)				1851.5	1880	1908.5	L	M	H
3	QPSK	1	0	18.52	18.50	18.51	0.0436	0.0434	0.0435
3	16QAM	1	0	18.33	18.31	18.38	0.0417	0.0415	0.0422
Channel				18607	18900	19193	EIRP(W)		
Frequency (MHz)				1850.7	1880	1909.3	L	M	H
1.4	QPSK	1	0	18.36	18.50	18.42	0.0420	0.0434	0.0426
1.4	16QAM	1	0	18.40	18.24	18.34	0.0424	0.0408	0.0418

LTE Band4 :

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				20050	20175	20300			
Frequency (MHz)				1720	1732.5	1745	L	M	H
20	QPSK	1	0	18.36	18.55	18.42	0.0416	0.0435	0.0422
20	QPSK	1	99	18.25	18.40	18.37	0.0406	0.0420	0.0417
20	QPSK	100	0	18.46	18.21	18.21	0.0426	0.0402	0.0402
20	16QAM	1	0	18.40	18.24	18.34	0.0420	0.0405	0.0414
20	64QAM	1	0	18.35	18.21	18.16	0.0415	0.0402	0.0397
Channel				20025	20175	20325	EIRP(W)		
Frequency (MHz)				1717.5	1732.5	1747.5	L	M	H
15	QPSK	1	0	18.30	18.32	18.33	0.0410	0.0412	0.0413
15	16QAM	1	0	18.28	18.06	18.22	0.0408	0.0388	0.0403
Channel				20000	20175	20350	EIRP(W)		
Frequency (MHz)				1715	1732.5	1750	L	M	H
10	QPSK	1	0	18.32	18.41	18.33	0.0412	0.0421	0.0413
10	16QAM	1	0	18.21	18.06	18.29	0.0402	0.0388	0.0409
Channel				19975	20175	20375	EIRP(W)		
Frequency (MHz)				1712.5	1732.5	1752.5	L	M	H
5	QPSK	1	0	18.24	18.46	18.29	0.0405	0.0426	0.0409
5	16QAM	1	0	18.26	18.09	18.29	0.0406	0.0391	0.0409
Channel				19965	20175	20385	EIRP(W)		
Frequency (MHz)				1711.5	1732.5	1753.5	L	M	H
3	QPSK	1	0	18.17	18.45	18.21	0.0398	0.0425	0.0402
3	16QAM	1	0	18.28	18.16	18.24	0.0408	0.0397	0.0405
Channel				19950	20175	20393	EIRP(W)		
Frequency (MHz)				1710	1732.5	1754.3	L	M	H
1.4	QPSK	1	0	18.25	18.36	18.22	0.0406	0.0416	0.0403
1.4	16QAM	1	0	18.20	18.04	18.15	0.0401	0.0386	0.0396

LTE Band38 :

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	EIRP(W)		
Channel				37850	38000	38150			
Frequency (MHz)				2580	2595	2610	L	M	H
20	QPSK	1	0	19.21	19.25	19.16	0.0451	0.0455	0.0446
20	QPSK	1	99	19.16	19.03	19.15	0.0446	0.0433	0.0445
20	QPSK	100	0	19.05	19.12	19.08	0.0435	0.0442	0.0438
20	16QAM	1	0	19.11	19.09	19.07	0.0441	0.0439	0.0437
20	64QAM	1	0	19.12	19.07	19.04	0.0442	0.0437	0.0434
Channel				37825	38000	38175	EIRP(W)		
Frequency (MHz)				2577.5	2595	2612.5	L	M	H
15	QPSK	1	0	18.99	19.15	19.03	0.0429	0.0445	0.0433
15	16QAM	1	0	18.89	18.96	18.99	0.0419	0.0426	0.0429
Channel				37800	38000	38200	EIRP(W)		
Frequency (MHz)				2575	2595	2615	L	M	H
10	QPSK	1	0	19.17	19.04	18.94	0.0447	0.0434	0.0424
10	16QAM	1	0	18.92	18.95	18.86	0.0422	0.0425	0.0416
Channel				37775	38000	38225	EIRP(W)		
Frequency (MHz)				2572.5	2595	2617.5	L	M	H
5	QPSK	1	0	19.22	19.16	19.00	0.0452	0.0446	0.0430
5	16QAM	1	0	19.10	18.88	18.90	0.0440	0.0418	0.0420

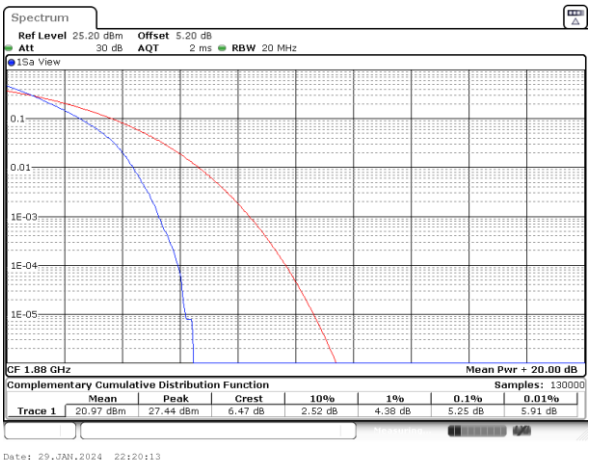
LTE Band 2

Peak-to-Average Ratio

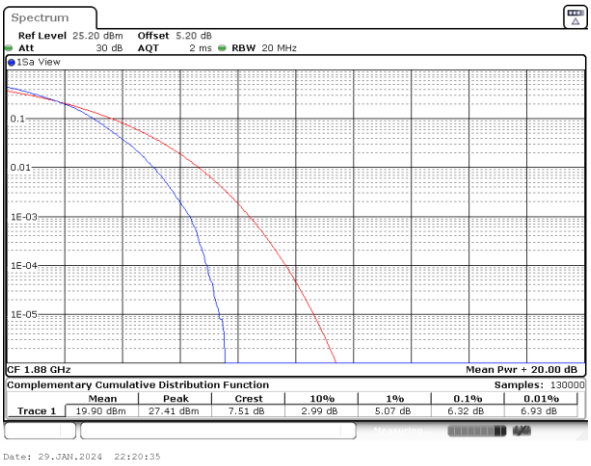
Mode	LTE Band 2 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.25	6.32	**6.58**	PASS

LTE Band 2 / 20MHz

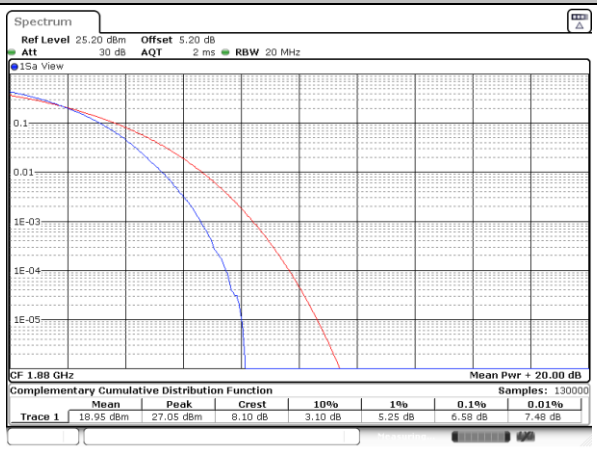
Middle Channel / Full RB/ QPSK



Middle Channel / Full RB/ 16QAM



Middle Channel / Full RB/ 64QAM

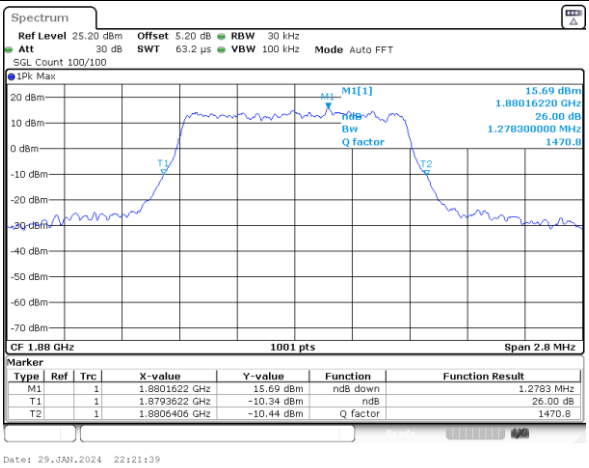


26dB Bandwidth

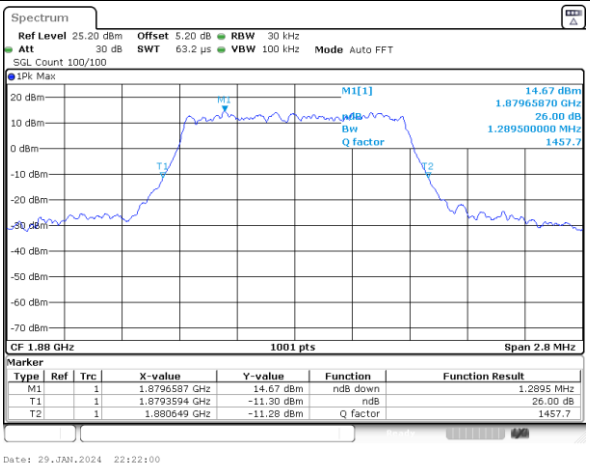
Mode	LTE Band 2 : 26dB BW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.28	1.29
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.98	2.97
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.89	4.84
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.75	9.69
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.24	14.39
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.94	19.06

LTE Band 2

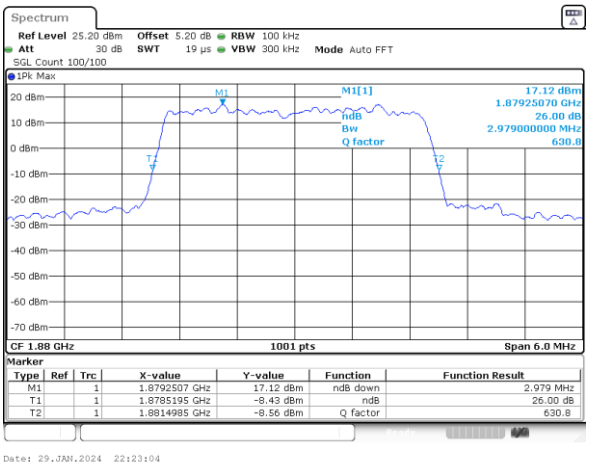
Middle Channel / 1.4MHz / QPSK



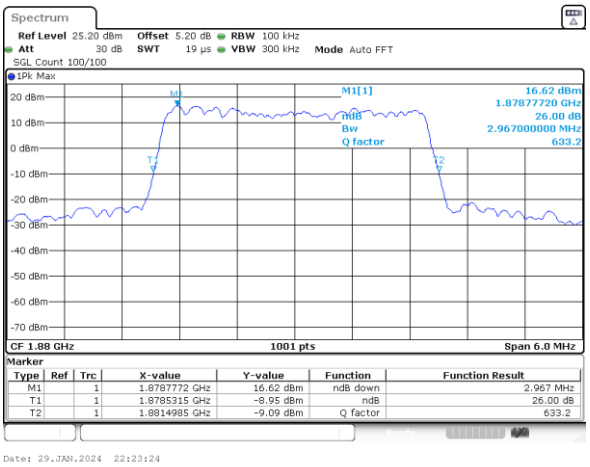
Middle Channel / 1.4MHz / 16QAM



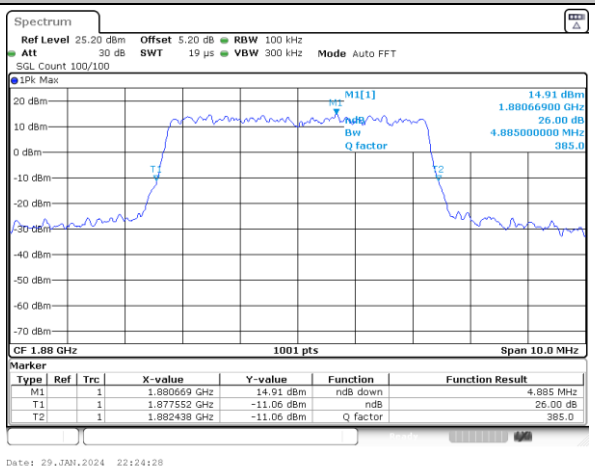
Middle Channel / 3MHz / QPSK



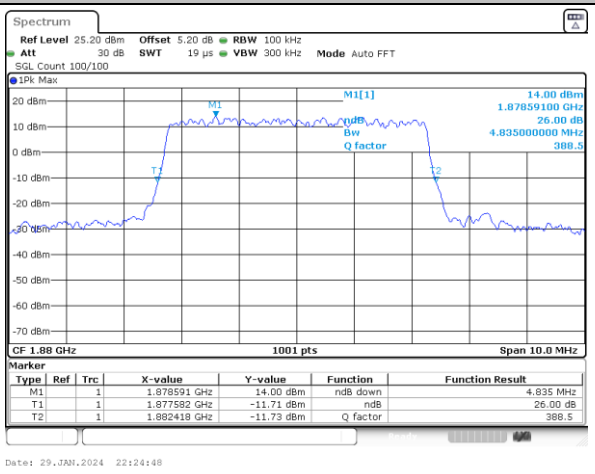
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK

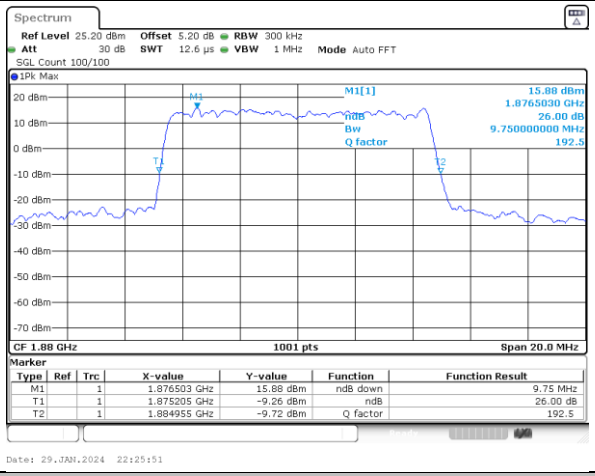


Middle Channel / 5MHz / 16QAM

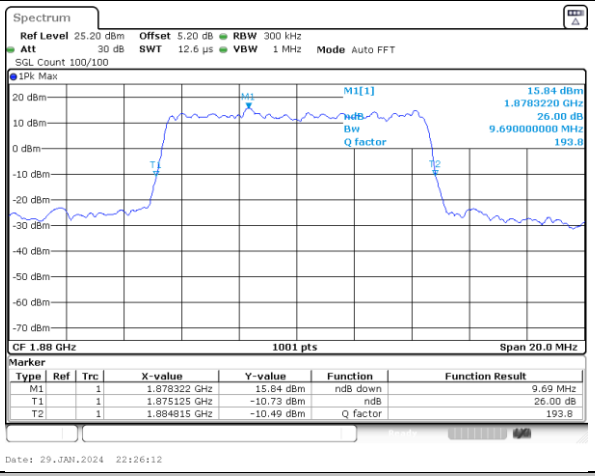


LTE Band 2

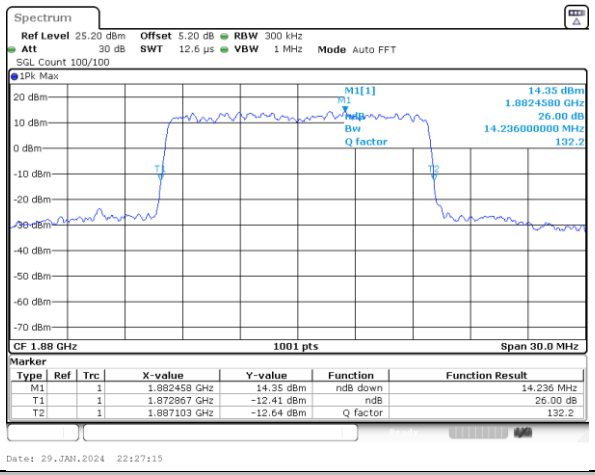
Middle Channel / 10MHz / QPSK



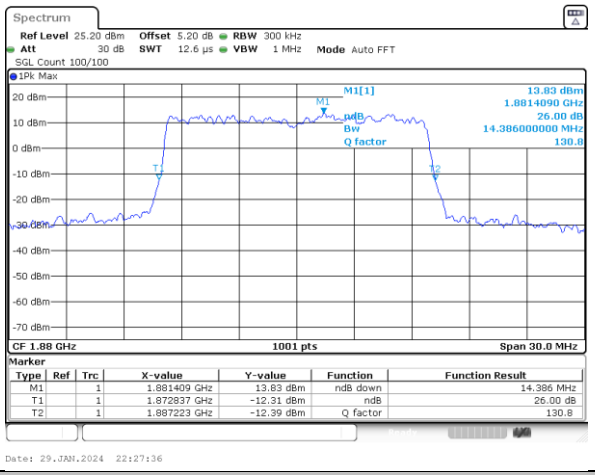
Middle Channel / 10MHz / 16QAM



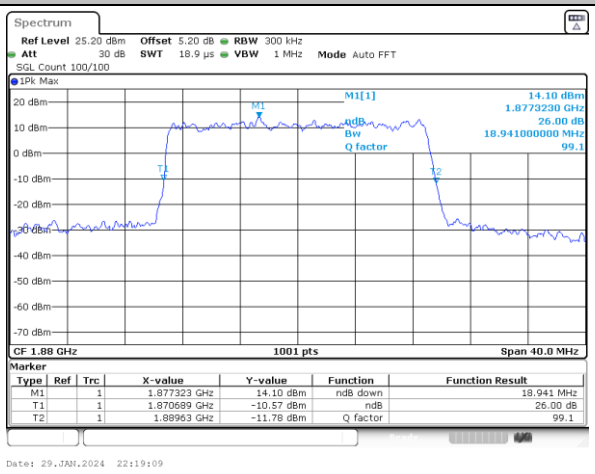
Middle Channel / 15MHz / QPSK



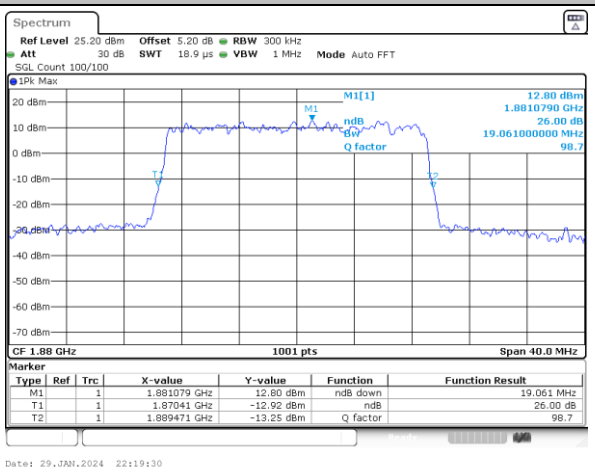
Middle Channel /15MHz / 16QAM



Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

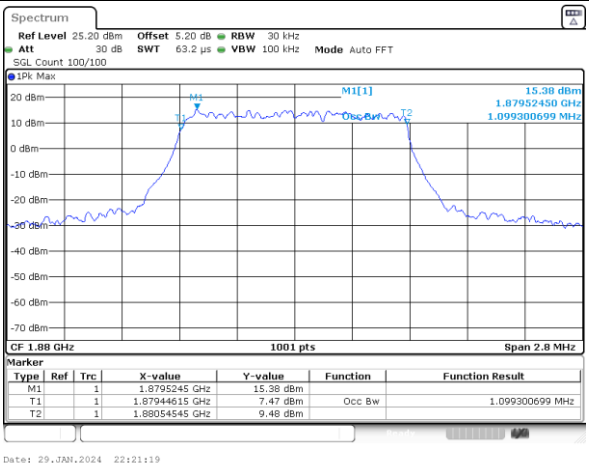


Occupied Bandwidth

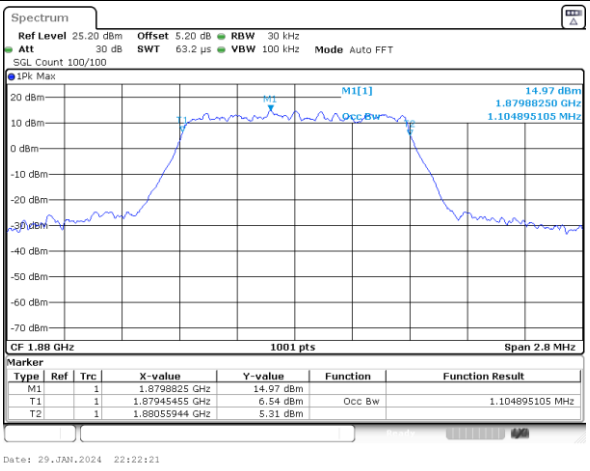
Mode	LTE Band 2 : 99%OBW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.10	1.10
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.72	2.70
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.51	4.49
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	8.97	8.99
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.40	13.52
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.86	17.90

LTE Band 2

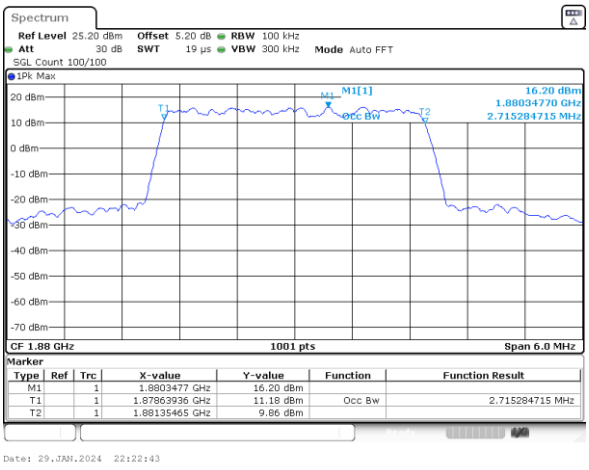
Middle Channel / 1.4MHz / QPSK



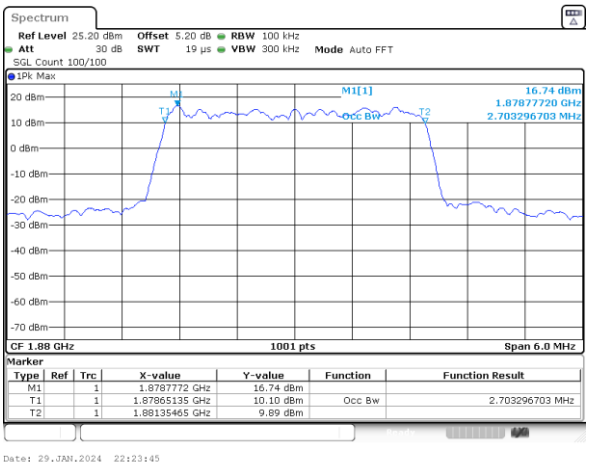
Middle Channel / 1.4MHz / 16QAM



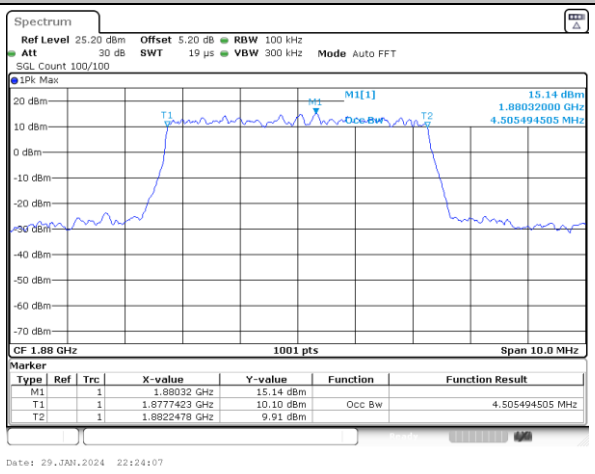
Middle Channel / 3MHz / QPSK



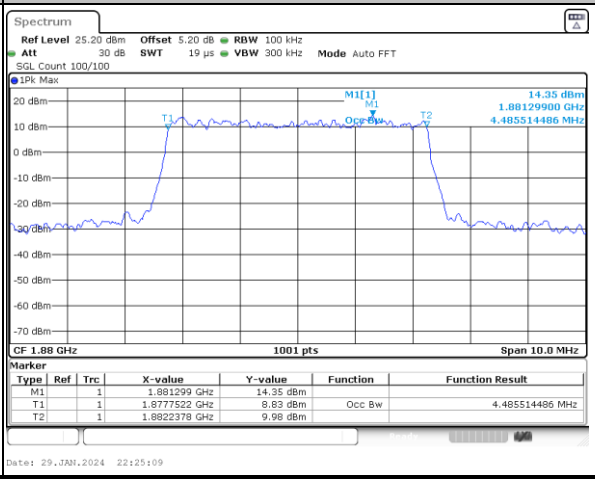
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK

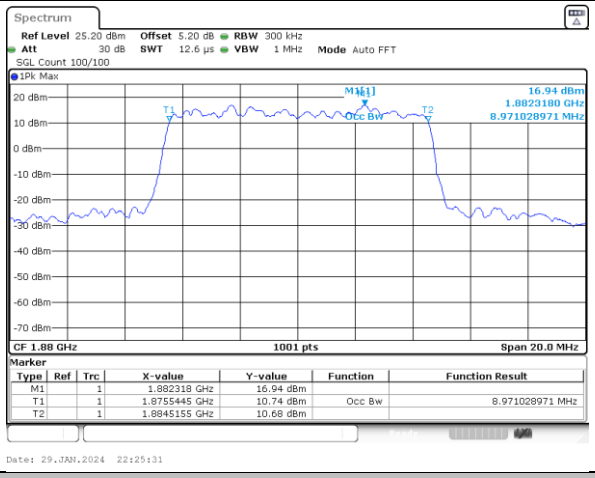


Middle Channel / 5MHz / 16QAM

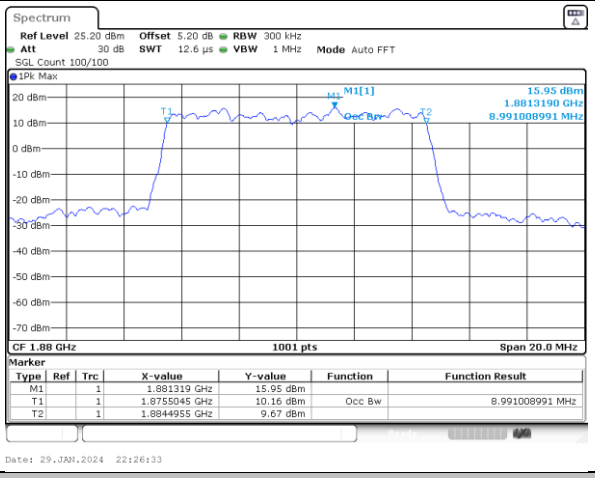


LTE Band 2

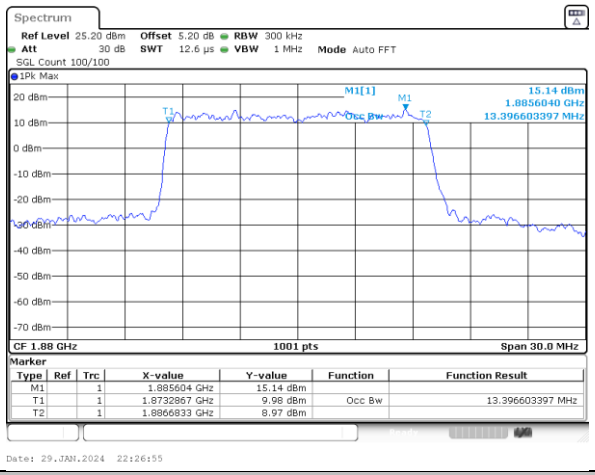
Middle Channel / 10MHz / QPSK



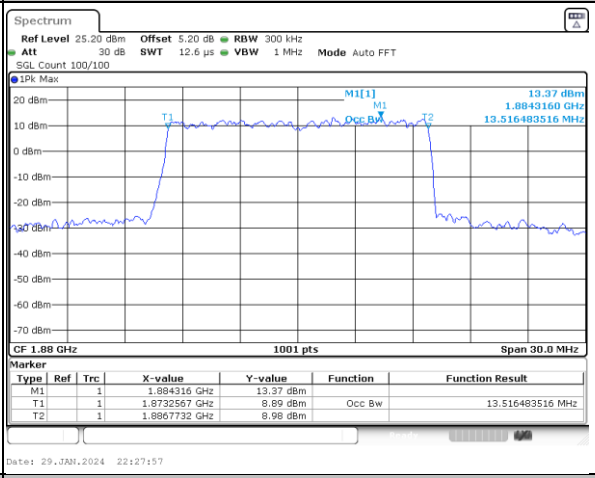
Middle Channel / 10MHz / 16QAM



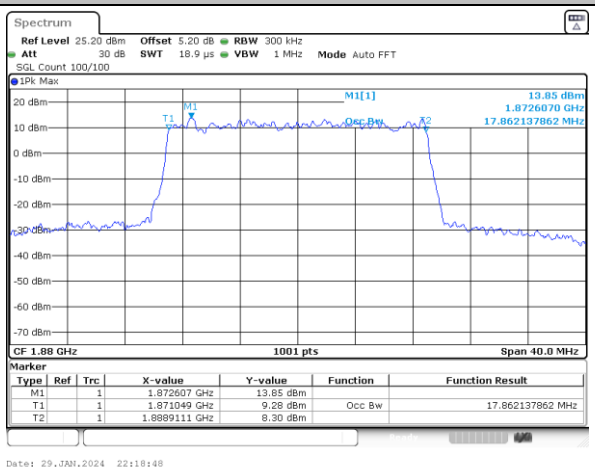
Middle Channel / 15MHz / QPSK



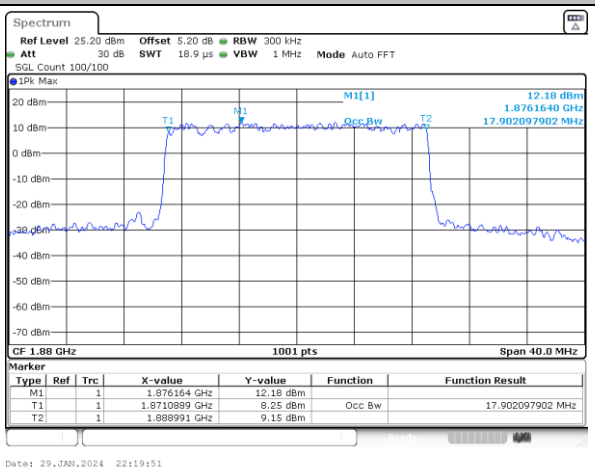
Middle Channel /15MHz / 16QAM



Middle Channel / 20MHz / QPSK



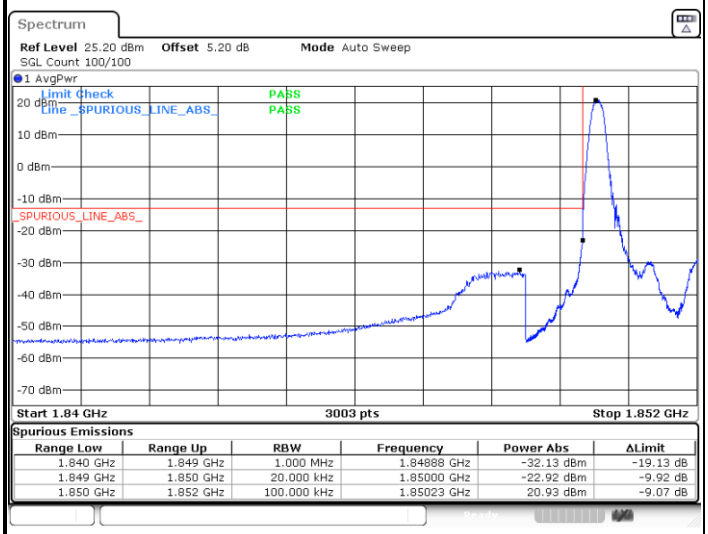
Middle Channel / 20MHz / 16QAM



Conducted Band Edge

LTE Band 2 / 1.4MHz / QPSK

Lowest Band Edge / 1RB

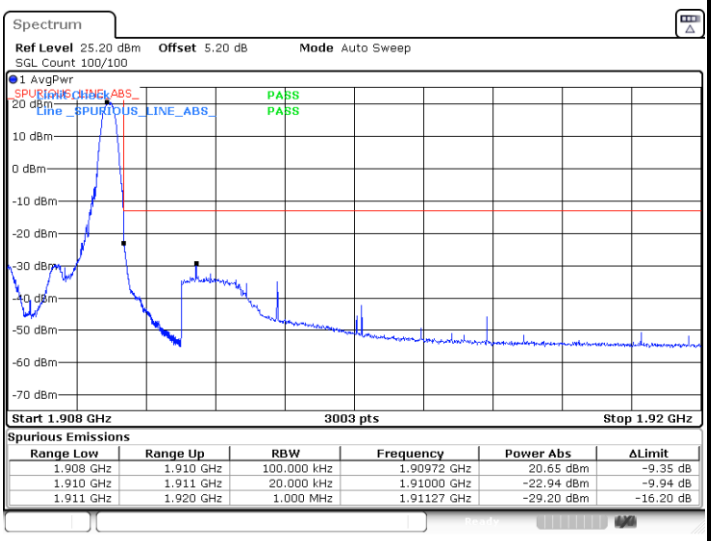


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84888 GHz	-32.13 dBm	-19.13 dB
1.849 GHz	1.850 GHz	20.000 kHz	1.85000 GHz	-22.92 dBm	-9.92 dB
1.850 GHz	1.852 GHz	100.000 kHz	1.85023 GHz	20.93 dBm	-9.07 dB

Date: 29.JAN.2024 20:34:51

Highest Band Edge / 1RB

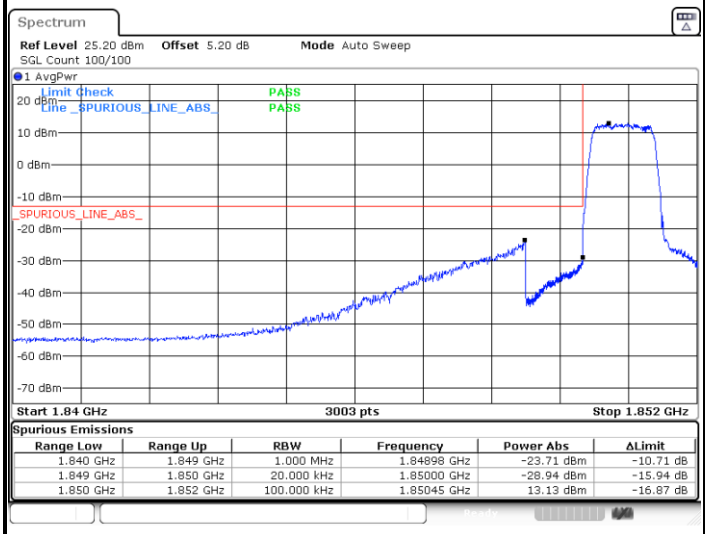


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.908 GHz	1.910 GHz	100.000 kHz	1.90972 GHz	20.65 dBm	-9.35 dB
1.910 GHz	1.911 GHz	20.000 kHz	1.91000 GHz	-22.94 dBm	-9.94 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91127 GHz	-29.20 dBm	-16.20 dB

Date: 29.JAN.2024 20:42:22

Lowest Band Edge / Full RB

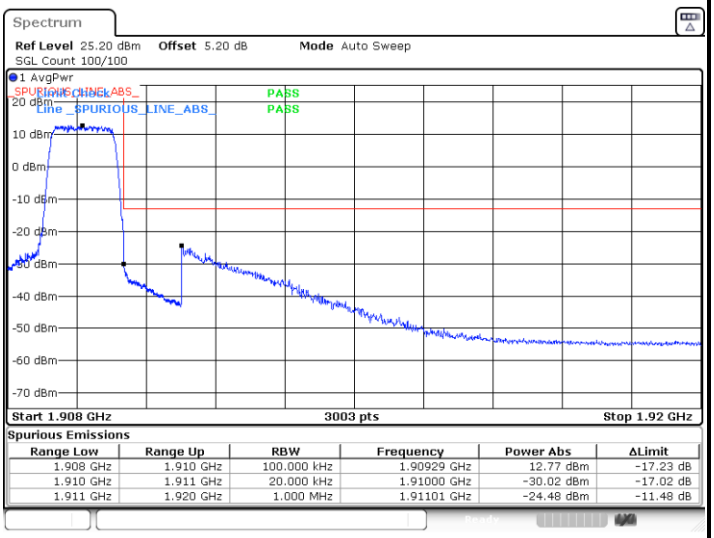


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84898 GHz	-23.71 dBm	-10.71 dB
1.849 GHz	1.850 GHz	20.000 kHz	1.85000 GHz	-28.94 dBm	-15.94 dB
1.850 GHz	1.852 GHz	100.000 kHz	1.85045 GHz	13.13 dBm	-16.87 dB

Date: 29.JAN.2024 20:27:47

Highest Band Edge / Full RB



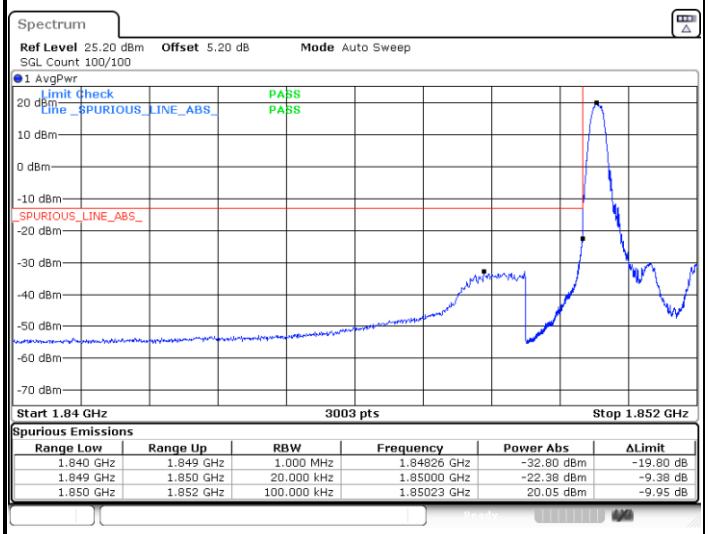
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.908 GHz	1.910 GHz	100.000 kHz	1.90929 GHz	12.77 dBm	-17.23 dB
1.910 GHz	1.911 GHz	20.000 kHz	1.91000 GHz	-30.02 dBm	-17.02 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91101 GHz	-24.48 dBm	-11.48 dB

Date: 29.JAN.2024 20:49:31

LTE Band 2 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

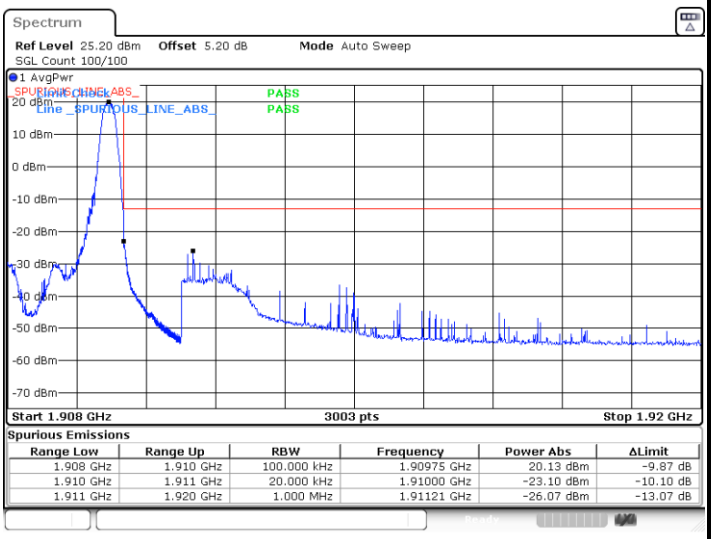


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84826 GHz	-32.80 dBm	-19.80 dB
1.849 GHz	1.850 GHz	20.000 kHz	1.85000 GHz	-22.38 dBm	-9.38 dB
1.850 GHz	1.852 GHz	100.000 kHz	1.85023 GHz	20.05 dBm	-9.95 dB

Date: 29.JAN.2024 20:33:25

Highest Band Edge / 1 RB

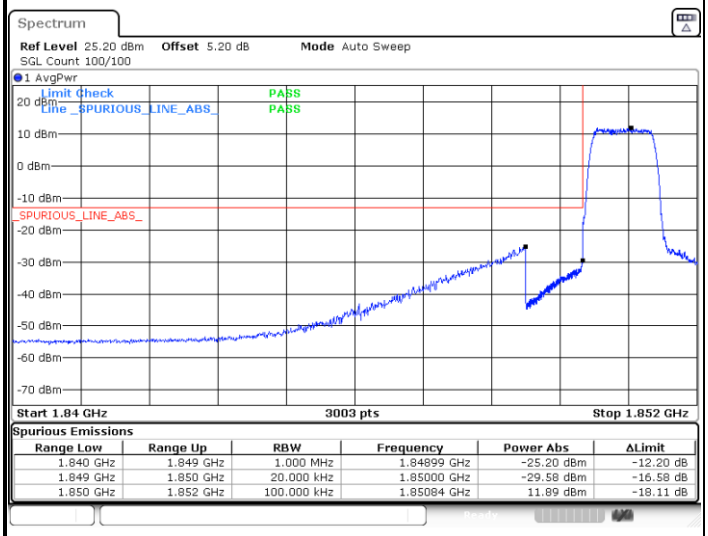


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.908 GHz	1.910 GHz	100.000 kHz	1.90975 GHz	20.13 dBm	-9.87 dB
1.910 GHz	1.911 GHz	20.000 kHz	1.91000 GHz	-23.10 dBm	-10.10 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91121 GHz	-26.07 dBm	-13.07 dB

Date: 29.JAN.2024 20:43:48

Lowest Band Edge / Full RB

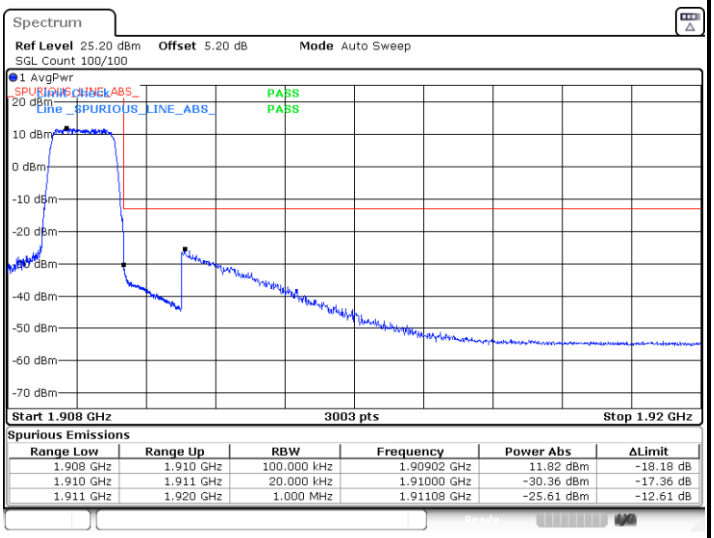


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84899 GHz	-25.20 dBm	-12.20 dB
1.849 GHz	1.850 GHz	20.000 kHz	1.85000 GHz	-29.58 dBm	-16.58 dB
1.850 GHz	1.852 GHz	100.000 kHz	1.85084 GHz	11.89 dBm	-18.11 dB

Date: 29.JAN.2024 20:29:08

Highest Band Edge / Full RB



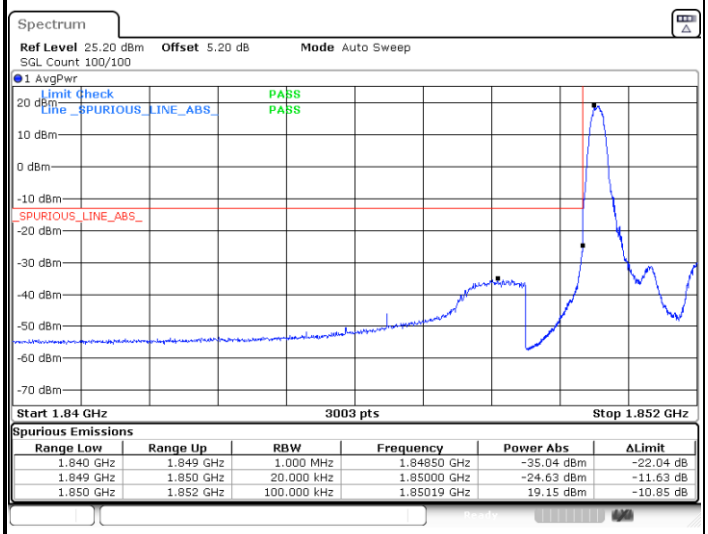
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.908 GHz	1.910 GHz	100.000 kHz	1.90902 GHz	11.82 dBm	-18.18 dB
1.910 GHz	1.911 GHz	20.000 kHz	1.91000 GHz	-30.36 dBm	-17.36 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91108 GHz	-25.61 dBm	-12.61 dB

Date: 29.JAN.2024 20:48:05

LTE Band 2 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB

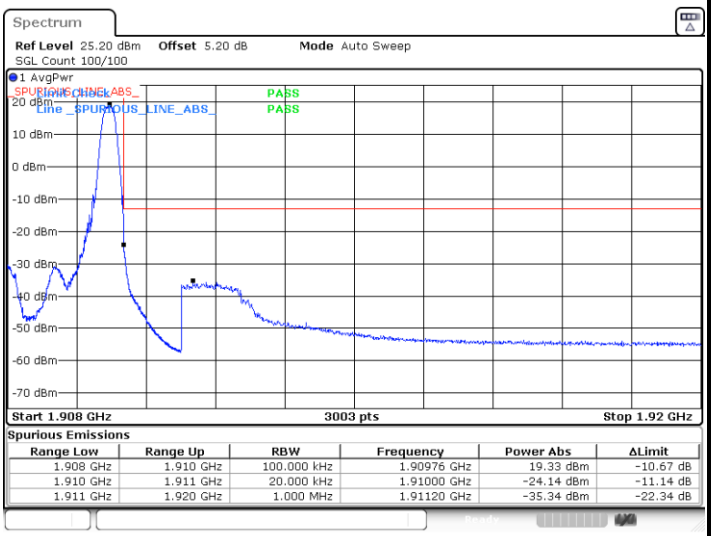


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84850 GHz	-35.04 dBm	-22.04 dB
1.849 GHz	1.850 GHz	20.000 kHz	1.85000 GHz	-24.63 dBm	-11.63 dB
1.850 GHz	1.852 GHz	100.000 kHz	1.85019 GHz	19.15 dBm	-10.85 dB

Date: 29.JAN.2024 20:31:59

Highest Band Edge / 1 RB

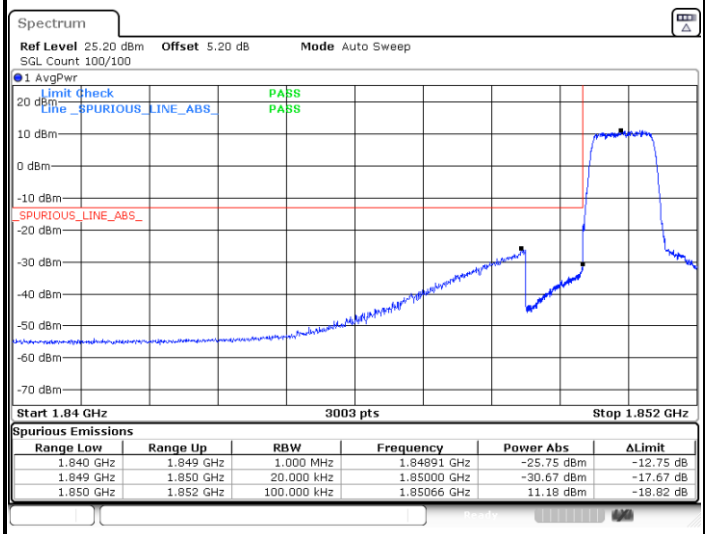


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.908 GHz	1.910 GHz	100.000 kHz	1.90976 GHz	19.33 dBm	-10.67 dB
1.910 GHz	1.911 GHz	20.000 kHz	1.91000 GHz	-24.14 dBm	-11.14 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91120 GHz	-35.34 dBm	-22.34 dB

Date: 29.JAN.2024 20:45:14

Lowest Band Edge / Full RB

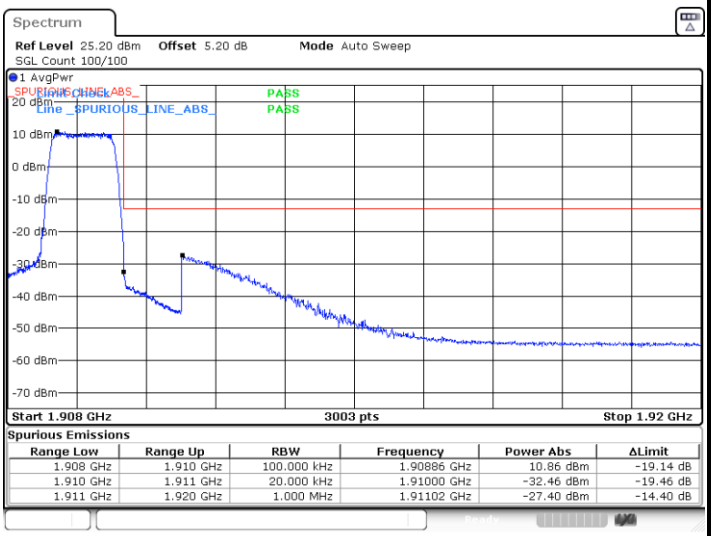


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84891 GHz	-25.75 dBm	-12.75 dB
1.849 GHz	1.850 GHz	20.000 kHz	1.85000 GHz	-30.67 dBm	-17.67 dB
1.850 GHz	1.852 GHz	100.000 kHz	1.85066 GHz	11.18 dBm	-18.82 dB

Date: 29.JAN.2024 20:30:34

Highest Band Edge / Full RB



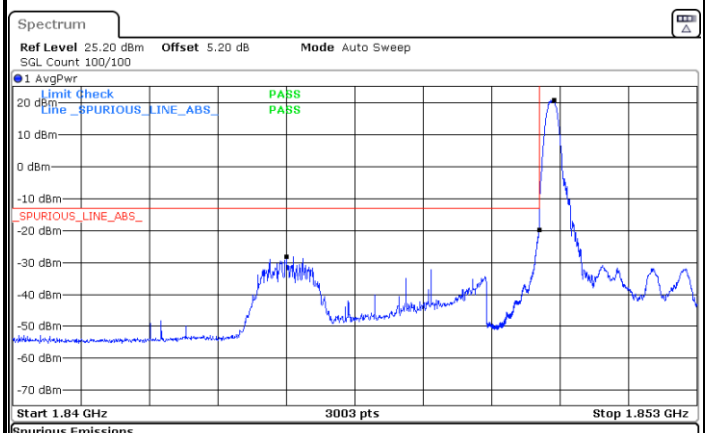
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.908 GHz	1.910 GHz	100.000 kHz	1.90886 GHz	10.86 dBm	-19.14 dB
1.910 GHz	1.911 GHz	20.000 kHz	1.91000 GHz	-32.46 dBm	-19.46 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91102 GHz	-27.40 dBm	-14.40 dB

Date: 29.JAN.2024 20:46:40

LTE Band 2 / 3MHz / QPSK

Lowest Band Edge / 1RB

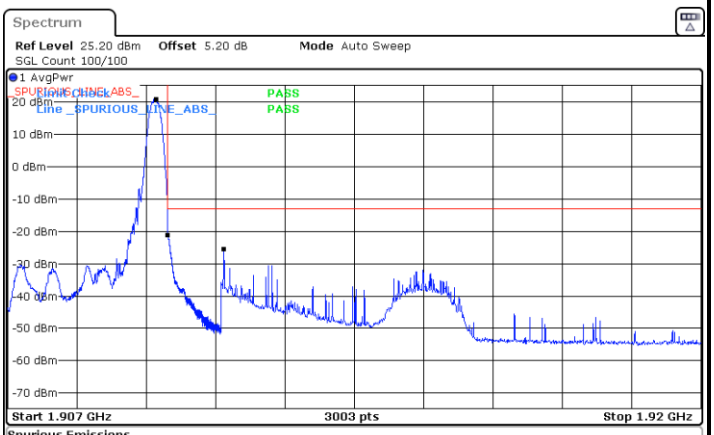


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84520 GHz	-28.06 dBm	-15.06 dB
1.849 GHz	1.850 GHz	30.000 kHz	1.85000 GHz	-19.73 dBm	-6.73 dB
1.850 GHz	1.853 GHz	100.000 kHz	1.85028 GHz	20.88 dBm	-9.12 dB

Date: 29.JAN.2024 20:58:05

Highest Band Edge / 1 RB

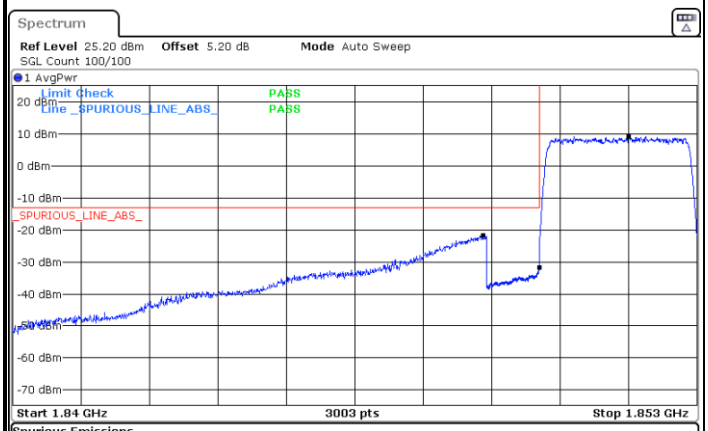


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.907 GHz	1.910 GHz	100.000 kHz	1.90978 GHz	20.79 dBm	-9.21 dB
1.910 GHz	1.911 GHz	30.000 kHz	1.91000 GHz	-21.16 dBm	-8.16 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91105 GHz	-25.47 dBm	-12.47 dB

Date: 29.JAN.2024 21:05:35

Lowest Band Edge / Full RB

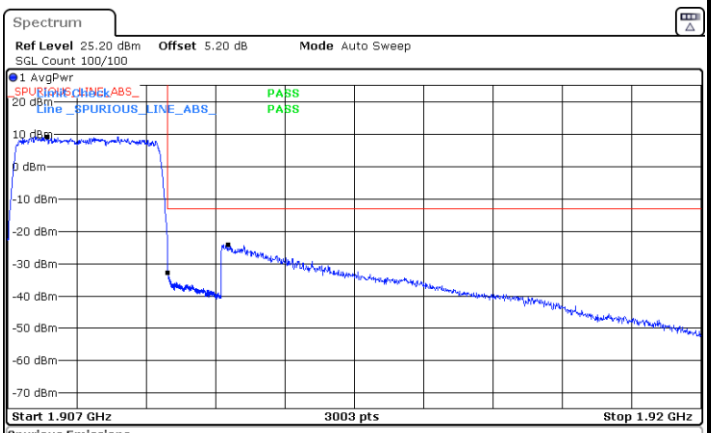


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84894 GHz	-21.55 dBm	-8.55 dB
1.849 GHz	1.850 GHz	30.000 kHz	1.85000 GHz	-31.76 dBm	-18.76 dB
1.850 GHz	1.853 GHz	100.000 kHz	1.85170 GHz	9.31 dBm	-20.69 dB

Date: 29.JAN.2024 20:50:57

Highest Band Edge / Full RB



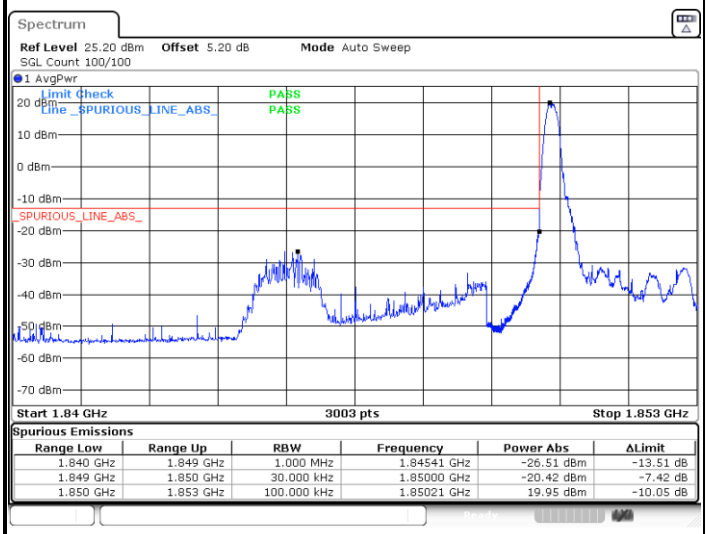
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.907 GHz	1.910 GHz	100.000 kHz	1.90775 GHz	9.33 dBm	-20.67 dB
1.910 GHz	1.911 GHz	30.000 kHz	1.91000 GHz	-32.78 dBm	-19.78 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91114 GHz	-24.11 dBm	-11.11 dB

Date: 29.JAN.2024 21:12:42

LTE Band 2 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

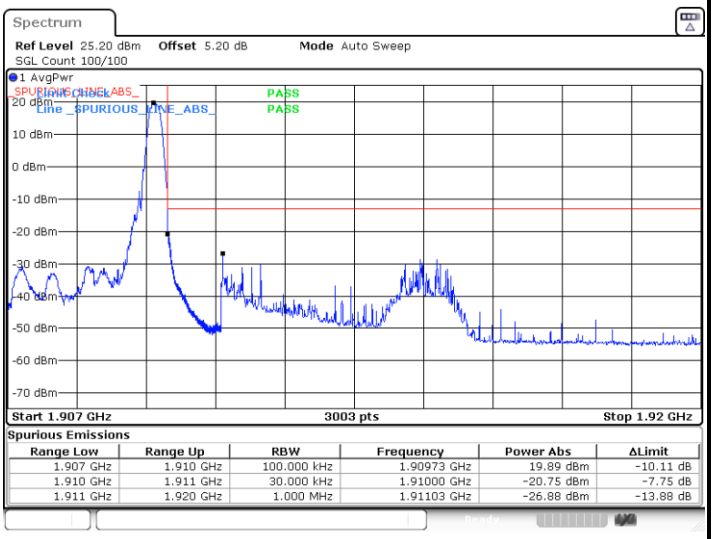


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84541 GHz	-26.51 dBm	-13.51 dB
1.849 GHz	1.850 GHz	30.000 kHz	1.85000 GHz	-20.42 dBm	-7.42 dB
1.850 GHz	1.853 GHz	100.000 kHz	1.85021 GHz	19.95 dBm	-10.05 dB

Date: 29.JAN.2024 20:56:40

Highest Band Edge /1 RB

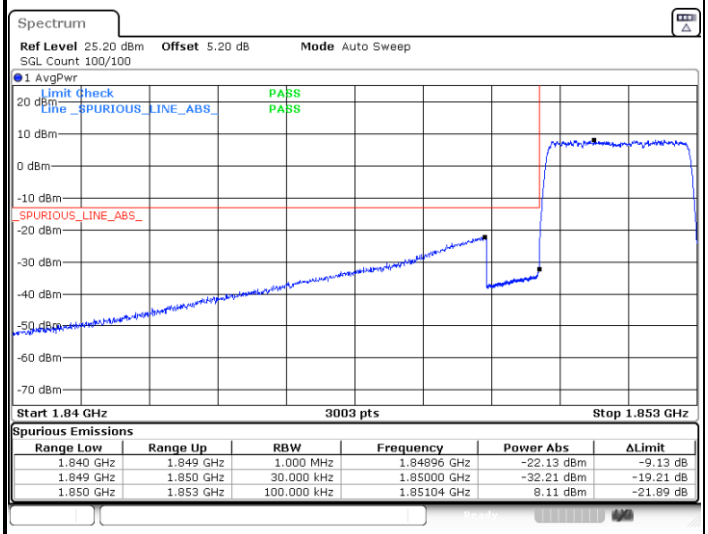


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.907 GHz	1.910 GHz	100.000 kHz	1.90973 GHz	19.89 dBm	-10.11 dB
1.910 GHz	1.911 GHz	30.000 kHz	1.91000 GHz	-20.75 dBm	-7.75 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91103 GHz	-26.88 dBm	-13.88 dB

Date: 29.JAN.2024 21:07:00

Lowest Band Edge / Full RB

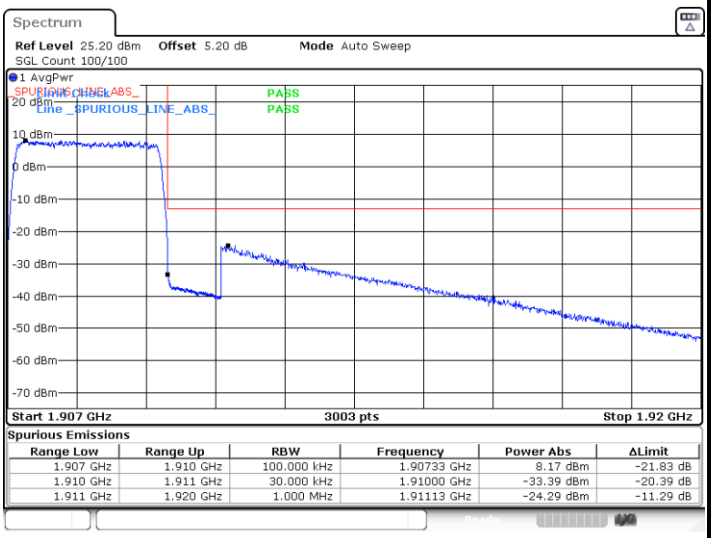


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84896 GHz	-22.13 dBm	-9.13 dB
1.849 GHz	1.850 GHz	30.000 kHz	1.85000 GHz	-32.21 dBm	-19.21 dB
1.850 GHz	1.853 GHz	100.000 kHz	1.85104 GHz	8.11 dBm	-21.89 dB

Date: 29.JAN.2024 20:52:23

Highest Band Edge / Full RB



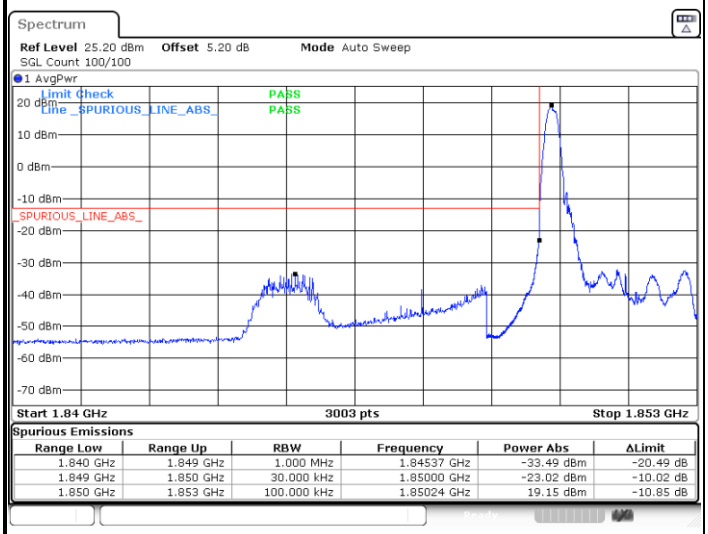
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.907 GHz	1.910 GHz	100.000 kHz	1.90733 GHz	8.17 dBm	-21.83 dB
1.910 GHz	1.911 GHz	30.000 kHz	1.91000 GHz	-33.39 dBm	-20.39 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91113 GHz	-24.29 dBm	-11.29 dB

Date: 29.JAN.2024 21:11:17

LTE Band 2 / 3MHz / 64QAM

Lowest Band Edge / 1 RB

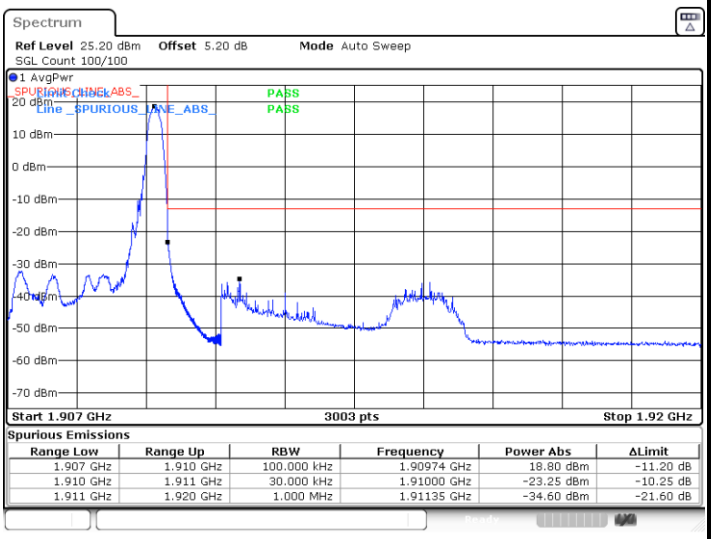


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84537 GHz	-33.49 dBm	-20.49 dB
1.849 GHz	1.850 GHz	30.000 kHz	1.85000 GHz	-23.02 dBm	-10.02 dB
1.850 GHz	1.853 GHz	100.000 kHz	1.85024 GHz	19.15 dBm	-10.85 dB

Date: 29.JAN.2024 20:55:14

Highest Band Edge /1 RB

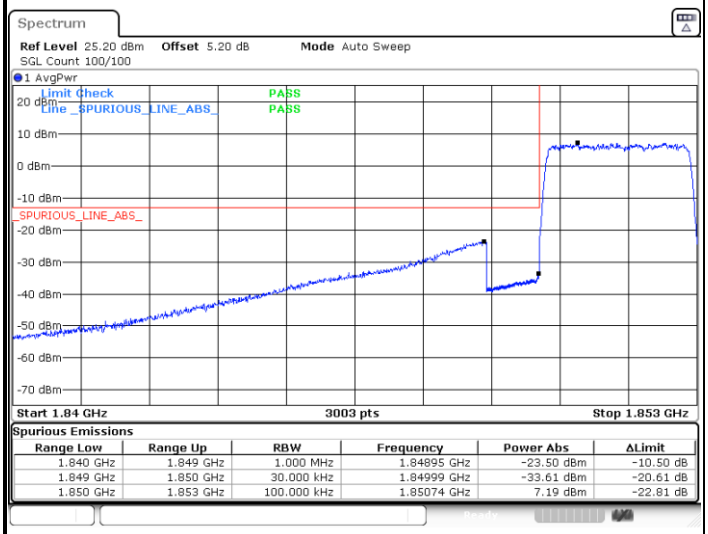


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.907 GHz	1.910 GHz	100.000 kHz	1.90974 GHz	18.80 dBm	-11.20 dB
1.910 GHz	1.911 GHz	30.000 kHz	1.91000 GHz	-23.25 dBm	-10.25 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91135 GHz	-34.60 dBm	-21.60 dB

Date: 29.JAN.2024 21:08:26

Lowest Band Edge / Full RB

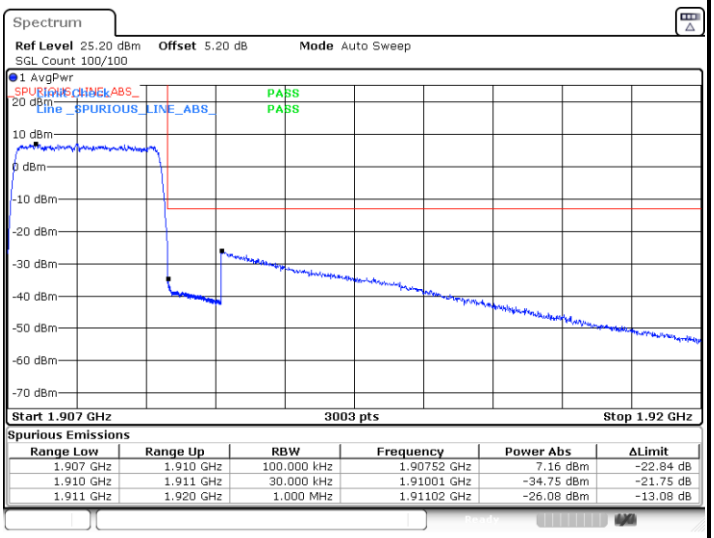


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84895 GHz	-23.50 dBm	-10.50 dB
1.849 GHz	1.850 GHz	30.000 kHz	1.84999 GHz	-33.61 dBm	-20.61 dB
1.850 GHz	1.853 GHz	100.000 kHz	1.85074 GHz	7.19 dBm	-22.81 dB

Date: 29.JAN.2024 20:53:48

Highest Band Edge / Full RB



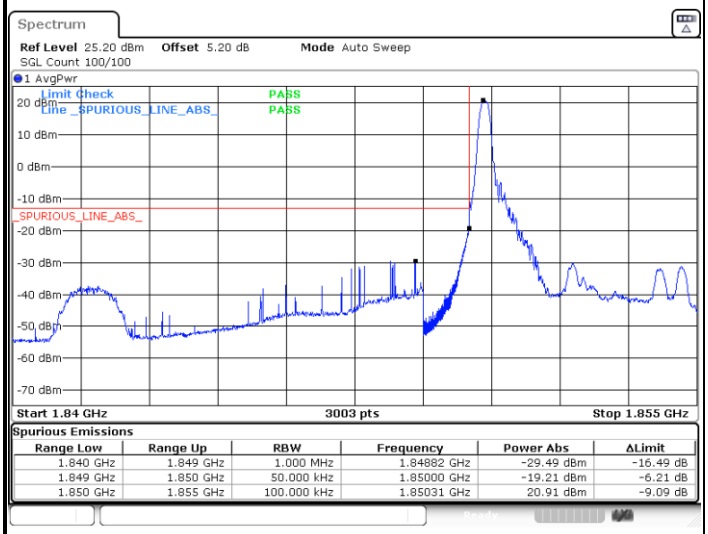
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.907 GHz	1.910 GHz	100.000 kHz	1.90752 GHz	7.16 dBm	-22.84 dB
1.910 GHz	1.911 GHz	30.000 kHz	1.91001 GHz	-34.75 dBm	-21.75 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91102 GHz	-26.08 dBm	-13.08 dB

Date: 29.JAN.2024 21:09:51

LTE Band 2 / 5MHz / QPSK

Lowest Band Edge / 1 RB

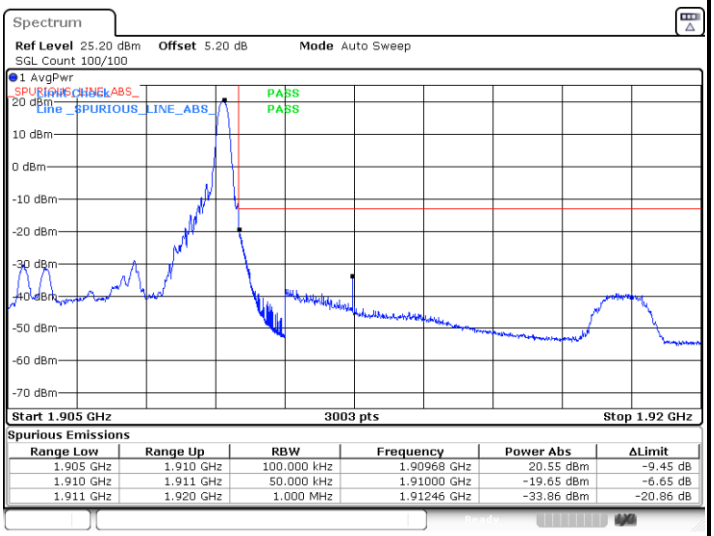


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84882 GHz	-29.49 dBm	-16.49 dB
1.849 GHz	1.850 GHz	50.000 kHz	1.85000 GHz	-19.21 dBm	-6.21 dB
1.850 GHz	1.855 GHz	100.000 kHz	1.85031 GHz	20.91 dBm	-9.09 dB

Date: 29.JAN.2024 21:20:45

Highest Band Edge / 1 RB

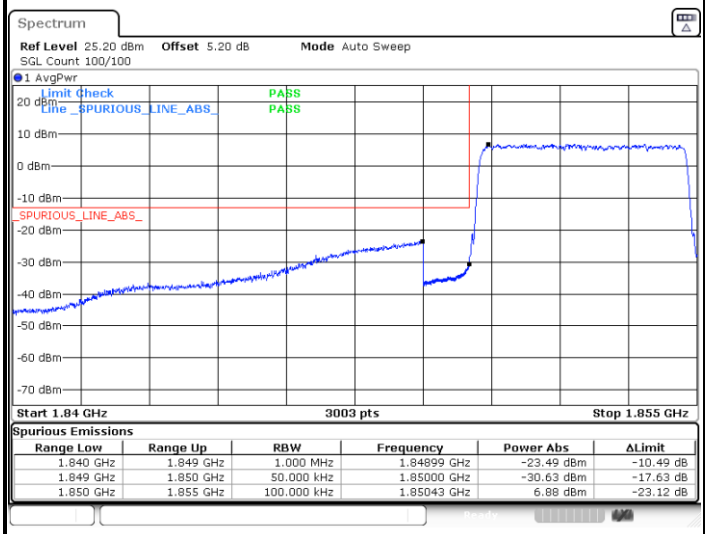


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.905 GHz	1.910 GHz	100.000 kHz	1.90968 GHz	20.55 dBm	-9.45 dB
1.910 GHz	1.911 GHz	50.000 kHz	1.91000 GHz	-19.65 dBm	-6.65 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91246 GHz	-33.86 dBm	-20.86 dB

Date: 29.JAN.2024 21:27:44

Lowest Band Edge / Full RB

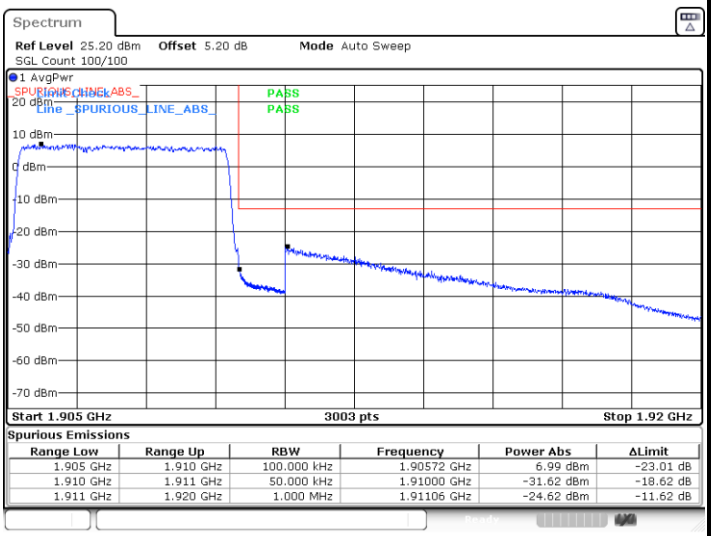


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84899 GHz	-23.49 dBm	-10.49 dB
1.849 GHz	1.850 GHz	50.000 kHz	1.85000 GHz	-30.63 dBm	-17.63 dB
1.850 GHz	1.855 GHz	100.000 kHz	1.85043 GHz	6.88 dBm	-23.12 dB

Date: 29.JAN.2024 21:14:08

Highest Band Edge / Full RB



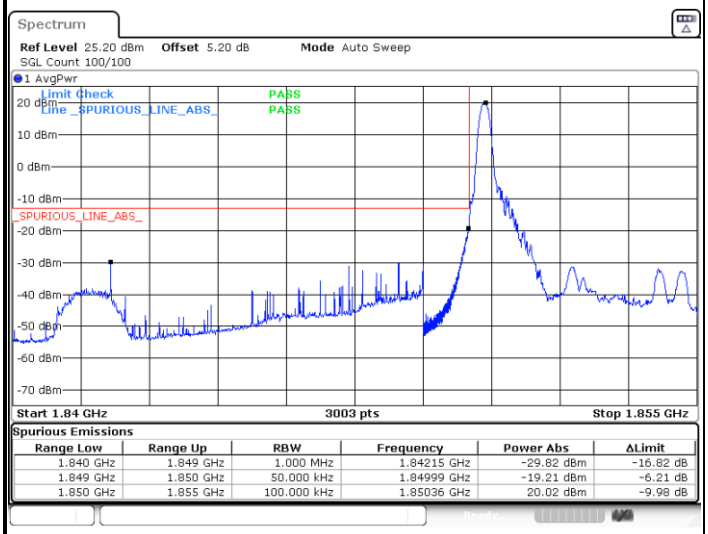
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.905 GHz	1.910 GHz	100.000 kHz	1.90572 GHz	6.99 dBm	-23.01 dB
1.910 GHz	1.911 GHz	50.000 kHz	1.91000 GHz	-31.62 dBm	-18.62 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91106 GHz	-24.62 dBm	-11.62 dB

Date: 29.JAN.2024 21:32:19

LTE Band 2 / 5MHz / 16QAM

Lowest Band Edge / 1RB

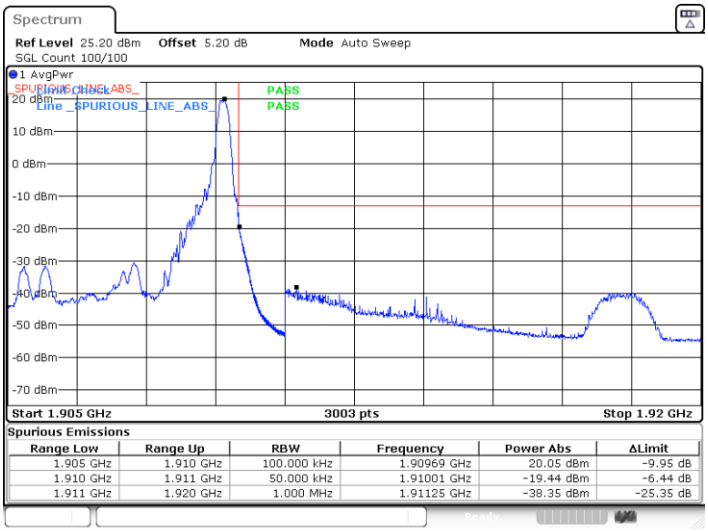


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84215 GHz	-29.82 dBm	-16.82 dB
1.849 GHz	1.850 GHz	50.000 kHz	1.84999 GHz	-19.21 dBm	-6.21 dB
1.850 GHz	1.855 GHz	100.000 kHz	1.85036 GHz	20.02 dBm	-9.98 dB

Date: 29.JAN.2024 21:19:49

Highest Band Edge / 1 RB

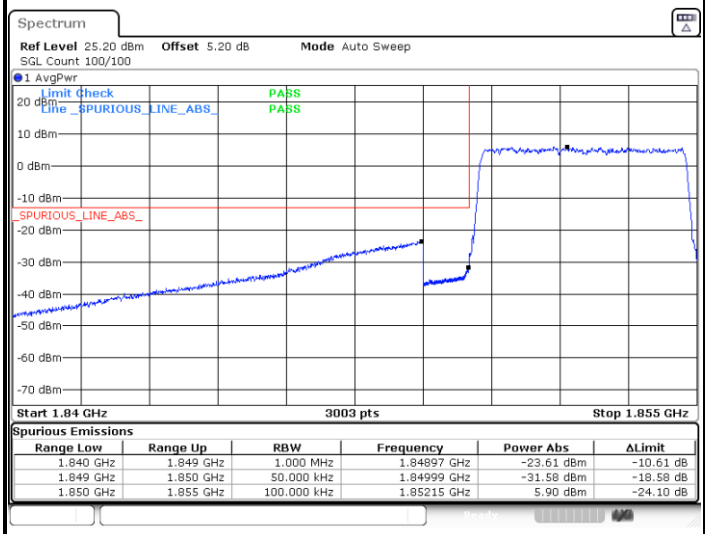


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.905 GHz	1.910 GHz	100.000 kHz	1.90969 GHz	20.05 dBm	-9.95 dB
1.910 GHz	1.911 GHz	50.000 kHz	1.91001 GHz	-19.44 dBm	-6.44 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91125 GHz	-38.35 dBm	-25.35 dB

Date: 29.JAN.2024 21:28:40

Lowest Band Edge / Full RB

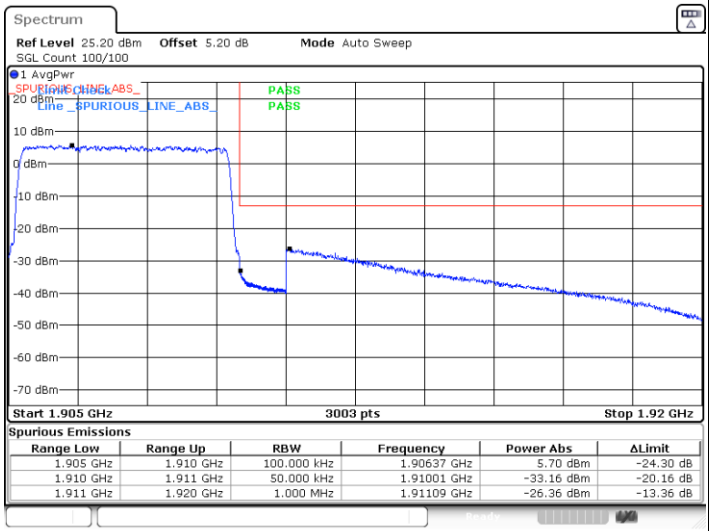


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84897 GHz	-23.61 dBm	-10.61 dB
1.849 GHz	1.850 GHz	50.000 kHz	1.84999 GHz	-31.58 dBm	-18.58 dB
1.850 GHz	1.855 GHz	100.000 kHz	1.85215 GHz	5.90 dBm	-24.10 dB

Date: 29.JAN.2024 21:15:33

Highest Band Edge / Full RB



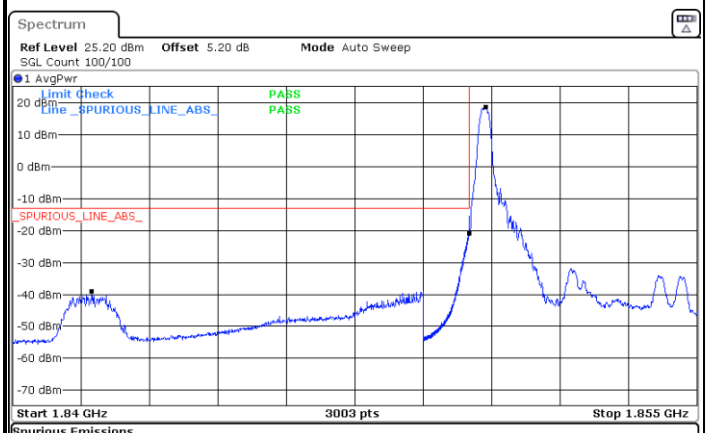
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.905 GHz	1.910 GHz	100.000 kHz	1.90637 GHz	5.70 dBm	-24.30 dB
1.910 GHz	1.911 GHz	50.000 kHz	1.91001 GHz	-33.16 dBm	-20.16 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91109 GHz	-26.36 dBm	-13.36 dB

Date: 29.JAN.2024 21:31:24

LTE Band 2 / 5MHz / 64QAM

Lowest Band Edge / 1RB

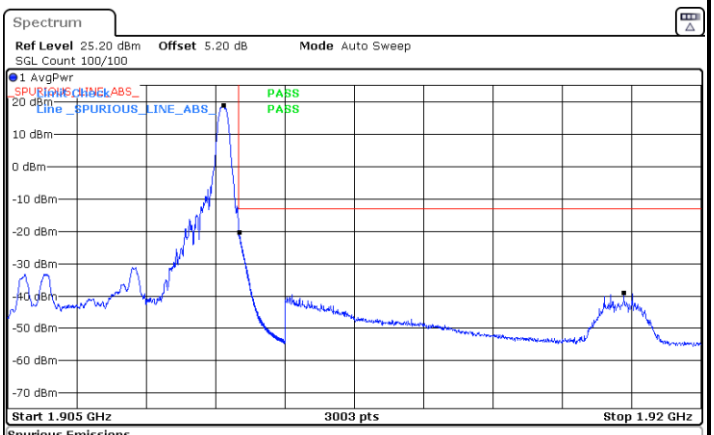


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84172 GHz	-39.05 dBm	-26.05 dB
1.849 GHz	1.850 GHz	50.000 kHz	1.85000 GHz	-20.91 dBm	-7.91 dB
1.850 GHz	1.855 GHz	100.000 kHz	1.85037 GHz	18.79 dBm	-11.21 dB

Date: 29.JAN.2024 21:18:24

Highest Band Edge / 1 RB

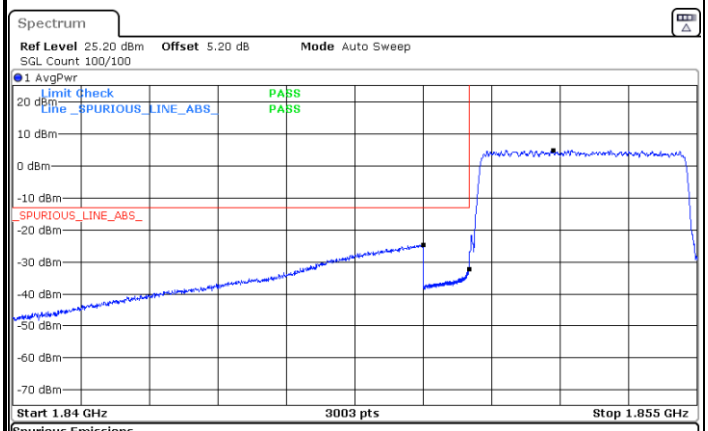


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.905 GHz	1.910 GHz	100.000 kHz	1.90966 GHz	18.93 dBm	-11.07 dB
1.910 GHz	1.911 GHz	50.000 kHz	1.91001 GHz	-20.42 dBm	-7.42 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91833 GHz	-38.94 dBm	-25.94 dB

Date: 29.JAN.2024 21:29:34

Lowest Band Edge / Full RB

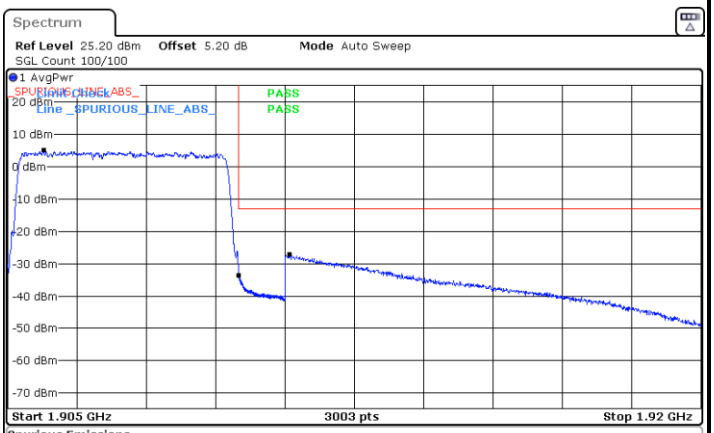


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84900 GHz	-24.67 dBm	-11.67 dB
1.849 GHz	1.850 GHz	50.000 kHz	1.85000 GHz	-32.29 dBm	-19.29 dB
1.850 GHz	1.855 GHz	100.000 kHz	1.85185 GHz	4.90 dBm	-25.10 dB

Date: 29.JAN.2024 21:16:59

Highest Band Edge / Full RB



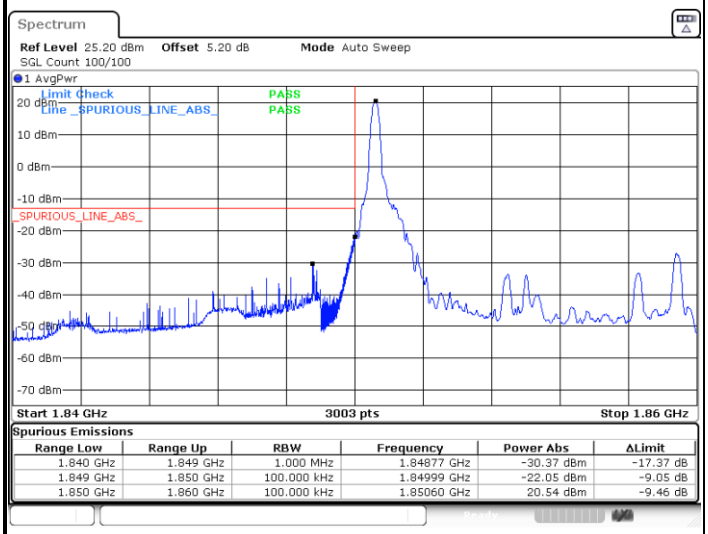
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.905 GHz	1.910 GHz	100.000 kHz	1.90577 GHz	5.13 dBm	-24.87 dB
1.910 GHz	1.911 GHz	50.000 kHz	1.91000 GHz	-33.74 dBm	-20.74 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91110 GHz	-27.15 dBm	-14.15 dB

Date: 29.JAN.2024 21:30:29

LTE Band 2 / 10MHz / QPSK

Lowest Band Edge / 1 RB

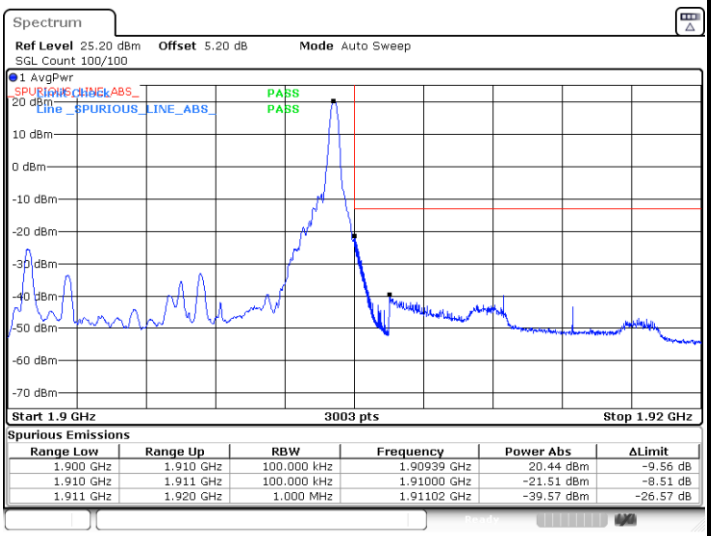


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84877 GHz	-30.37 dBm	-17.37 dB
1.849 GHz	1.850 GHz	100.000 kHz	1.84999 GHz	-22.05 dBm	-9.05 dB
1.850 GHz	1.860 GHz	100.000 kHz	1.85060 GHz	20.54 dBm	-9.46 dB

Date: 29.JAN.2024 21:37:51

Highest Band Edge / 1 RB

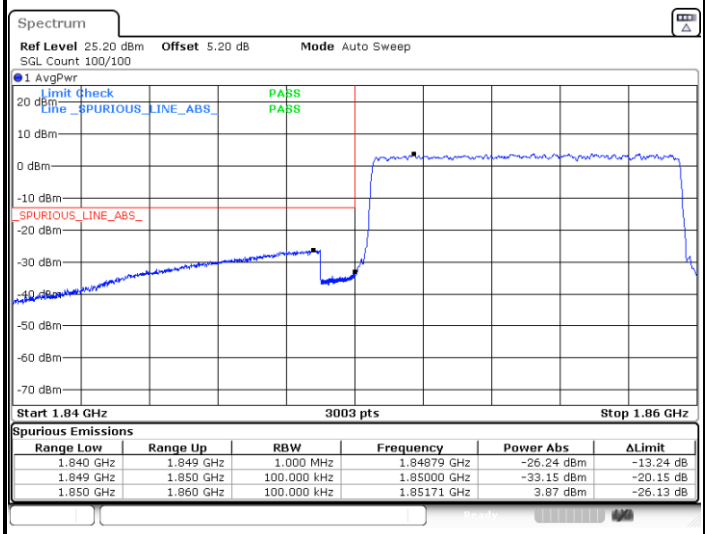


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.900 GHz	1.910 GHz	100.000 kHz	1.90939 GHz	20.44 dBm	-9.56 dB
1.910 GHz	1.911 GHz	100.000 kHz	1.91000 GHz	-21.51 dBm	-8.51 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91102 GHz	-39.57 dBm	-26.57 dB

Date: 29.JAN.2024 21:44:40

Lowest Band Edge / Full RB

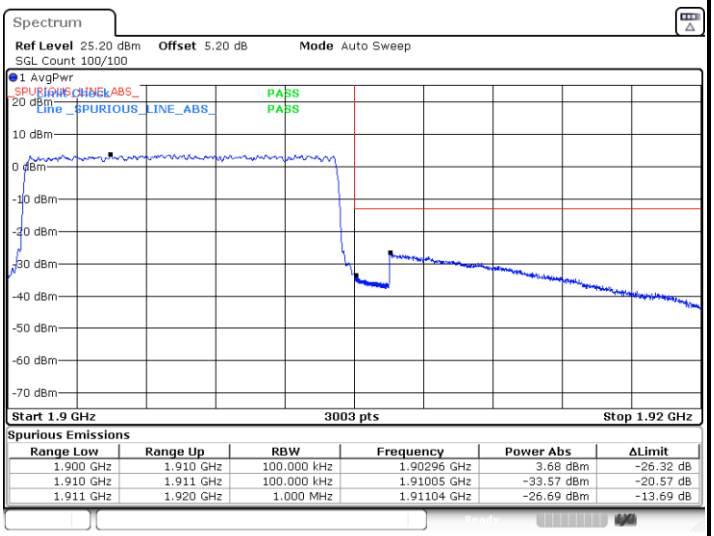


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84879 GHz	-26.24 dBm	-13.24 dB
1.849 GHz	1.850 GHz	100.000 kHz	1.85000 GHz	-33.15 dBm	-20.15 dB
1.850 GHz	1.860 GHz	100.000 kHz	1.85171 GHz	3.87 dBm	-26.13 dB

Date: 29.JAN.2024 21:33:15

Highest Band Edge / Full RB



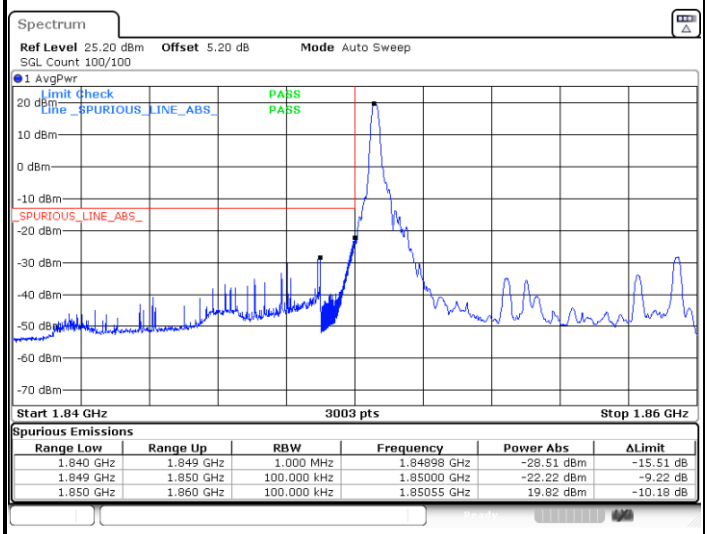
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.900 GHz	1.910 GHz	100.000 kHz	1.90296 GHz	3.68 dBm	-26.32 dB
1.910 GHz	1.911 GHz	100.000 kHz	1.91005 GHz	-33.57 dBm	-20.57 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91104 GHz	-26.69 dBm	-13.69 dB

Date: 29.JAN.2024 21:48:24

LTE Band 2 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

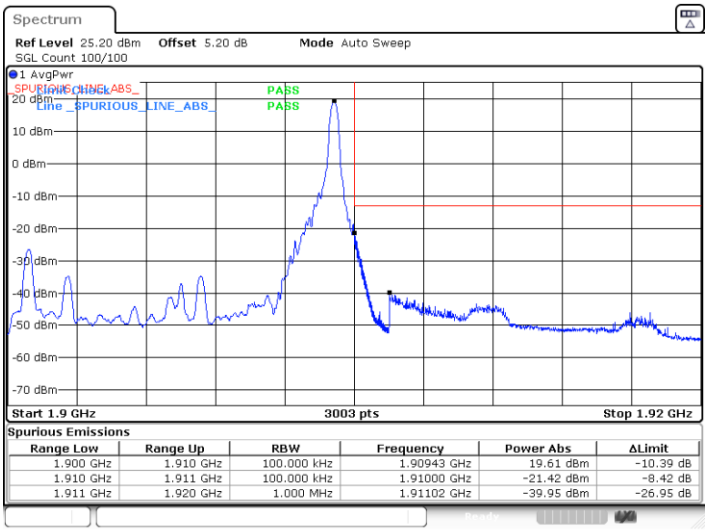


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84898 GHz	-28.51 dBm	-15.51 dB
1.849 GHz	1.850 GHz	100.000 kHz	1.85000 GHz	-22.22 dBm	-9.22 dB
1.850 GHz	1.860 GHz	100.000 kHz	1.85055 GHz	19.82 dBm	-10.18 dB

Date: 29.JAN.2024 21:36:56

Highest Band Edge / 1 RB

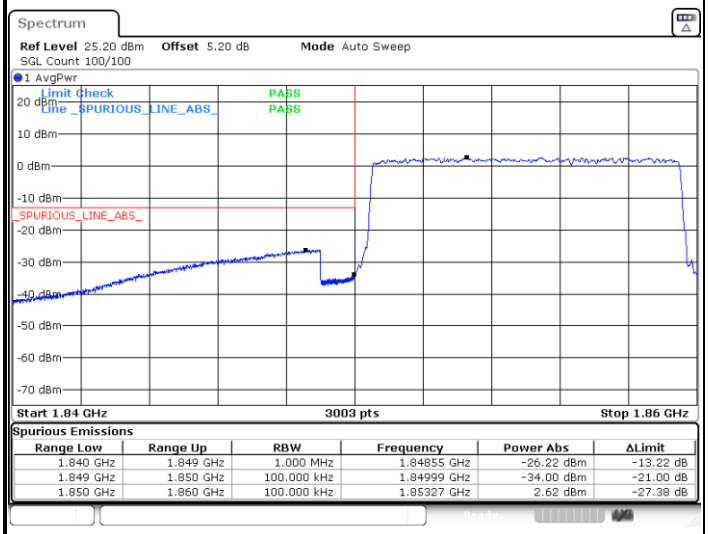


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.900 GHz	1.910 GHz	100.000 kHz	1.90943 GHz	19.61 dBm	-10.39 dB
1.910 GHz	1.911 GHz	100.000 kHz	1.91000 GHz	-21.42 dBm	-8.42 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91102 GHz	-39.95 dBm	-26.95 dB

Date: 29.JAN.2024 21:45:25

Lowest Band Edge / Full RB

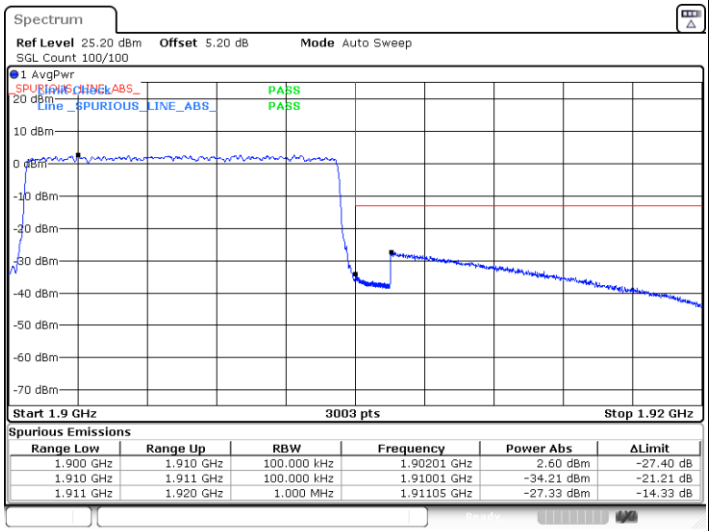


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84855 GHz	-26.22 dBm	-13.22 dB
1.849 GHz	1.850 GHz	100.000 kHz	1.84999 GHz	-34.00 dBm	-21.00 dB
1.850 GHz	1.860 GHz	100.000 kHz	1.85327 GHz	2.62 dBm	-27.38 dB

Date: 29.JAN.2024 21:34:10

Highest Band Edge / Full RB



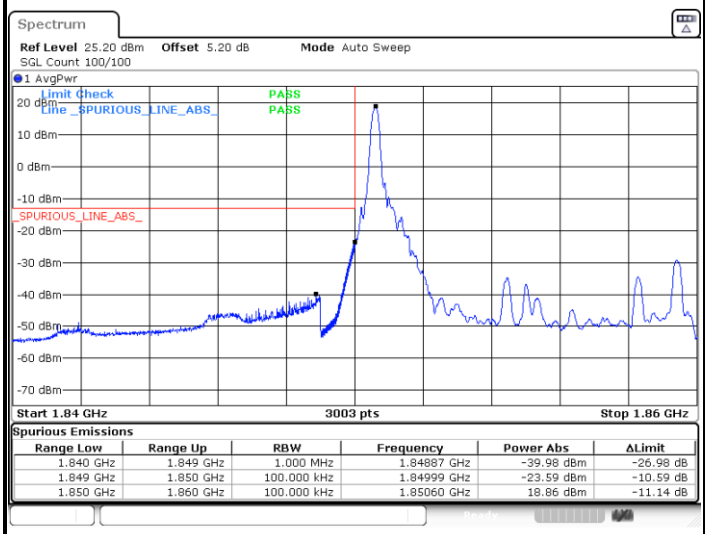
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.900 GHz	1.910 GHz	100.000 kHz	1.90201 GHz	2.60 dBm	-27.40 dB
1.910 GHz	1.911 GHz	100.000 kHz	1.91001 GHz	-34.21 dBm	-21.21 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91105 GHz	-27.33 dBm	-14.33 dB

Date: 29.JAN.2024 21:47:40

LTE Band 2 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

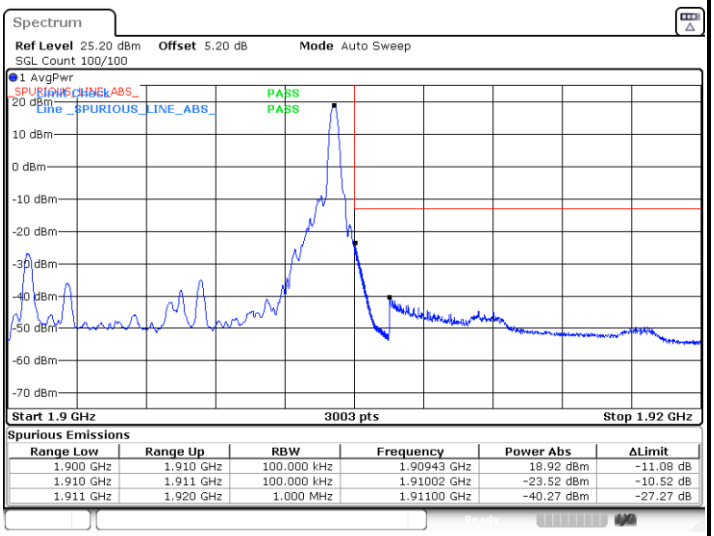


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84887 GHz	-39.98 dBm	-26.98 dB
1.849 GHz	1.850 GHz	100.000 kHz	1.84999 GHz	-23.59 dBm	-10.59 dB
1.850 GHz	1.860 GHz	100.000 kHz	1.85060 GHz	18.86 dBm	-11.14 dB

Date: 29.JAN.2024 21:36:00

Highest Band Edge / 1 RB

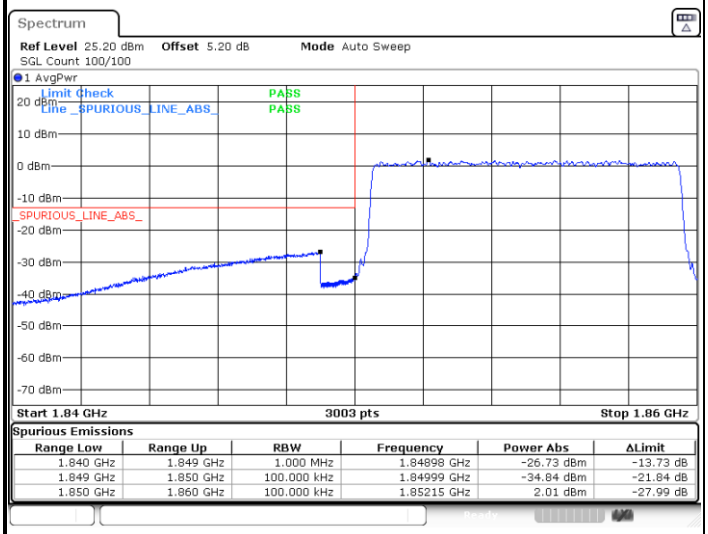


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.900 GHz	1.910 GHz	100.000 kHz	1.90943 GHz	18.92 dBm	-11.08 dB
1.910 GHz	1.911 GHz	100.000 kHz	1.91002 GHz	-23.52 dBm	-10.52 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91100 GHz	-40.27 dBm	-27.27 dB

Date: 29.JAN.2024 21:46:10

Lowest Band Edge / Full RB

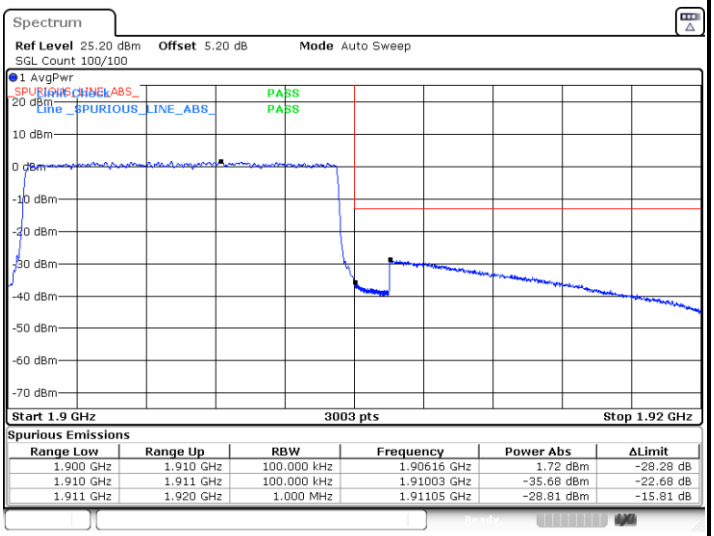


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84898 GHz	-26.73 dBm	-13.73 dB
1.849 GHz	1.850 GHz	100.000 kHz	1.84999 GHz	-34.84 dBm	-21.84 dB
1.850 GHz	1.860 GHz	100.000 kHz	1.85215 GHz	2.01 dBm	-27.99 dB

Date: 29.JAN.2024 21:35:05

Highest Band Edge / Full RB



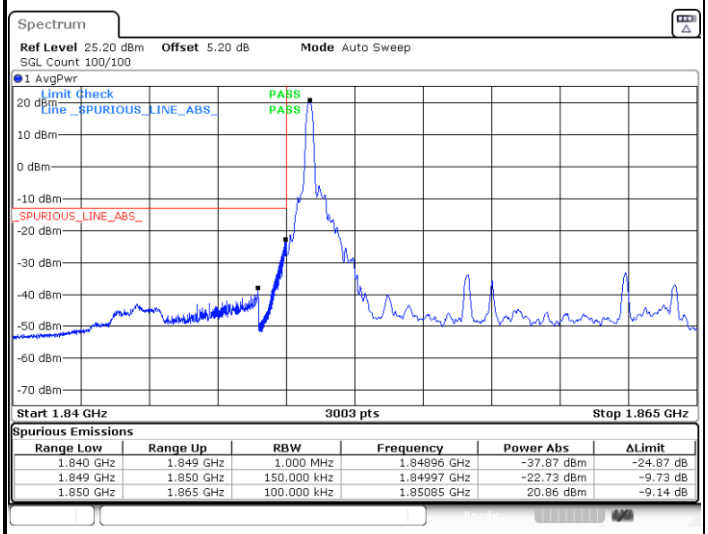
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.900 GHz	1.910 GHz	100.000 kHz	1.90616 GHz	1.72 dBm	-28.28 dB
1.910 GHz	1.911 GHz	100.000 kHz	1.91003 GHz	-35.68 dBm	-22.68 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91105 GHz	-28.81 dBm	-15.81 dB

Date: 29.JAN.2024 21:46:55

LTE Band 2 / 15MHz / QPSK

Lowest Band Edge / 1 RB

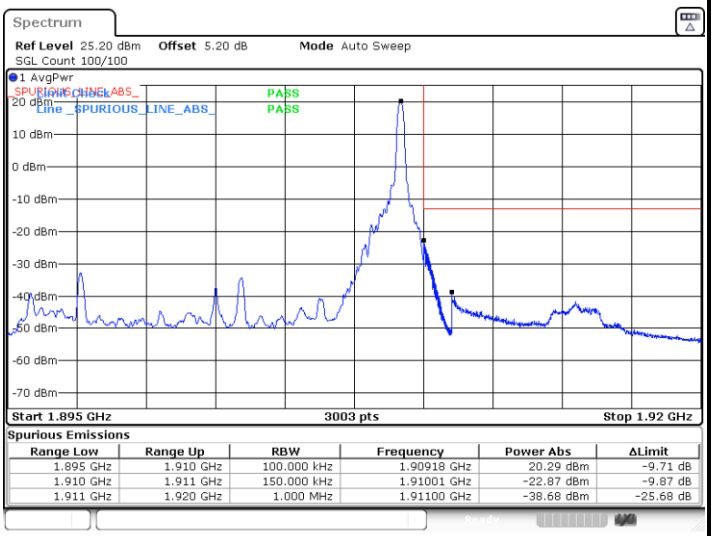


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84896 GHz	-37.87 dBm	-24.87 dB
1.849 GHz	1.850 GHz	150.000 kHz	1.84997 GHz	-22.73 dBm	-9.73 dB
1.850 GHz	1.865 GHz	100.000 kHz	1.85085 GHz	20.86 dBm	-9.14 dB

Date: 29.JAN.2024 21:52:54

Highest Band Edge / 1 RB

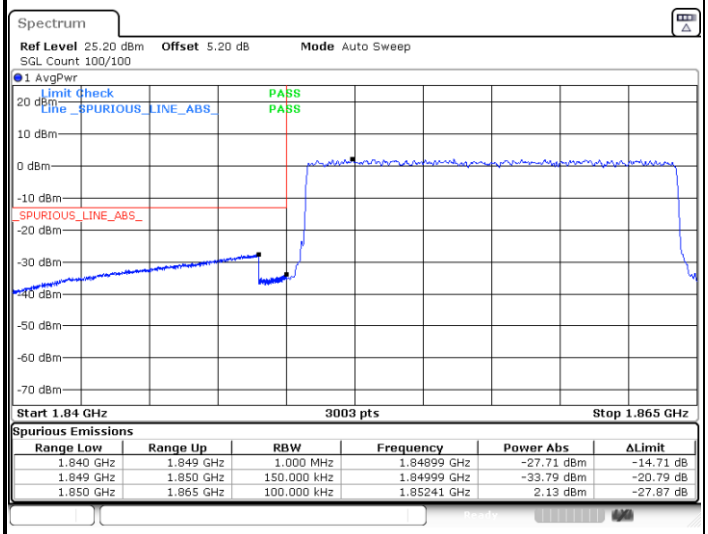


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.895 GHz	1.910 GHz	100.000 kHz	1.90918 GHz	20.29 dBm	-9.71 dB
1.910 GHz	1.911 GHz	150.000 kHz	1.91001 GHz	-22.87 dBm	-9.87 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91100 GHz	-38.68 dBm	-25.68 dB

Date: 29.JAN.2024 21:59:43

Lowest Band Edge / Full RB

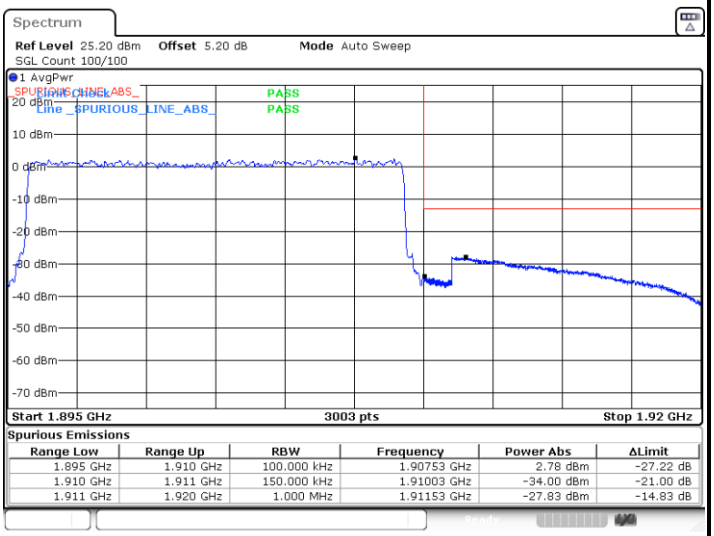


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84899 GHz	-27.71 dBm	-14.71 dB
1.849 GHz	1.850 GHz	150.000 kHz	1.84999 GHz	-33.79 dBm	-20.79 dB
1.850 GHz	1.865 GHz	100.000 kHz	1.85241 GHz	2.13 dBm	-27.87 dB

Date: 29.JAN.2024 21:49:10

Highest Band Edge / Full RB



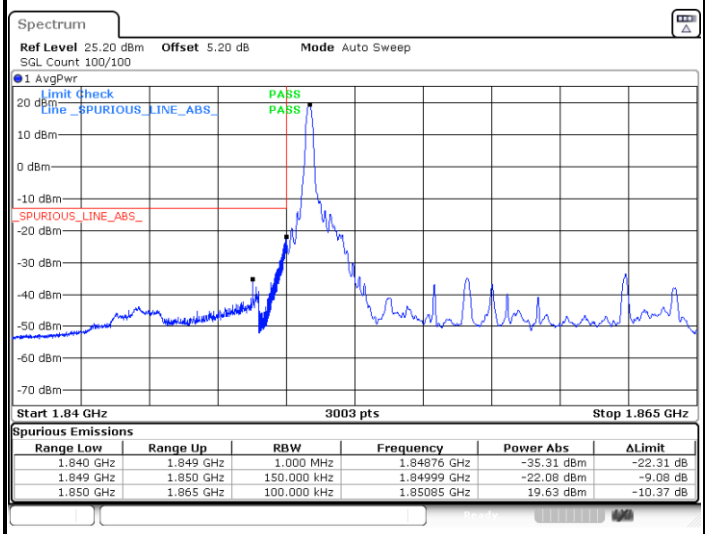
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.895 GHz	1.910 GHz	100.000 kHz	1.90753 GHz	2.78 dBm	-27.22 dB
1.910 GHz	1.911 GHz	150.000 kHz	1.91003 GHz	-34.00 dBm	-21.00 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91153 GHz	-27.83 dBm	-14.83 dB

Date: 29.JAN.2024 22:03:26

LTE Band 2 / 15MHz / 16QAM

Lowest Band Edge / 1 RB

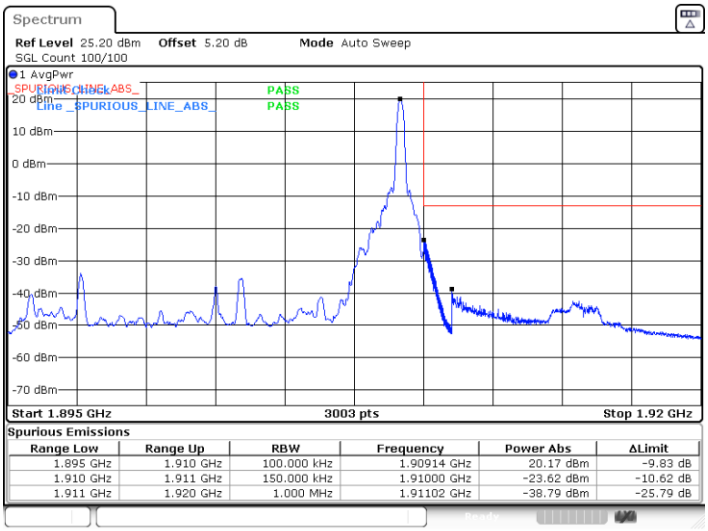


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84876 GHz	-35.31 dBm	-22.31 dB
1.849 GHz	1.850 GHz	150.000 kHz	1.84999 GHz	-22.08 dBm	-9.08 dB
1.850 GHz	1.865 GHz	100.000 kHz	1.85085 GHz	19.63 dBm	-10.37 dB

Date: 29.JAN.2024 21:52:09

Highest Band Edge / 1 RB

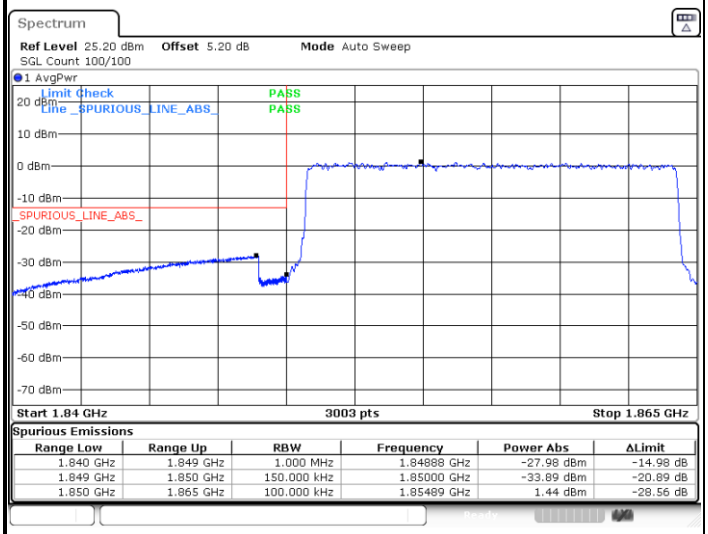


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.895 GHz	1.910 GHz	100.000 kHz	1.90914 GHz	20.17 dBm	-9.83 dB
1.910 GHz	1.911 GHz	150.000 kHz	1.91000 GHz	-23.62 dBm	-10.62 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91102 GHz	-38.79 dBm	-25.79 dB

Date: 29.JAN.2024 22:00:27

Lowest Band Edge / Full RB

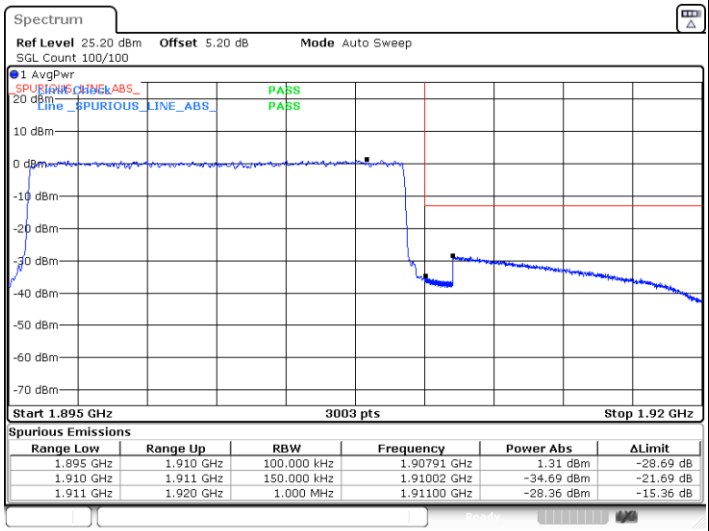


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84888 GHz	-27.98 dBm	-14.98 dB
1.849 GHz	1.850 GHz	150.000 kHz	1.85000 GHz	-33.89 dBm	-20.89 dB
1.850 GHz	1.865 GHz	100.000 kHz	1.85489 GHz	1.44 dBm	-28.56 dB

Date: 29.JAN.2024 21:49:55

Highest Band Edge / Full RB



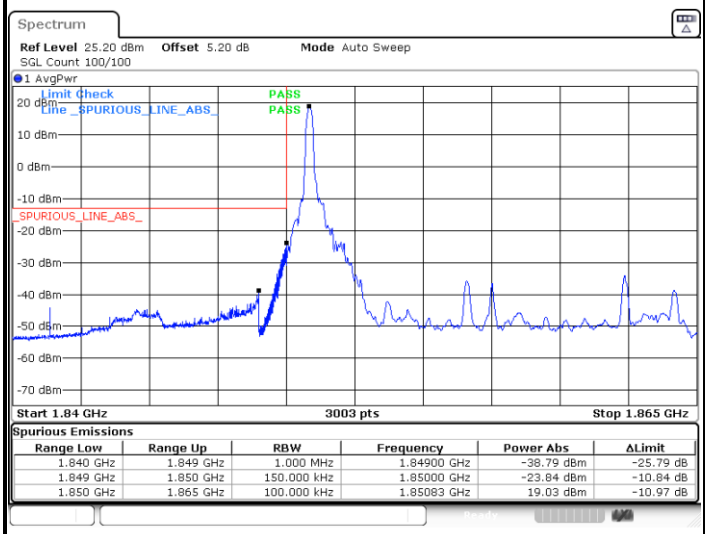
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.895 GHz	1.910 GHz	100.000 kHz	1.90791 GHz	1.31 dBm	-28.69 dB
1.910 GHz	1.911 GHz	150.000 kHz	1.91002 GHz	-34.69 dBm	-21.69 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91100 GHz	-28.36 dBm	-15.36 dB

Date: 29.JAN.2024 22:02:42

LTE Band 2 / 15MHz / 64QAM

Lowest Band Edge / 1 RB

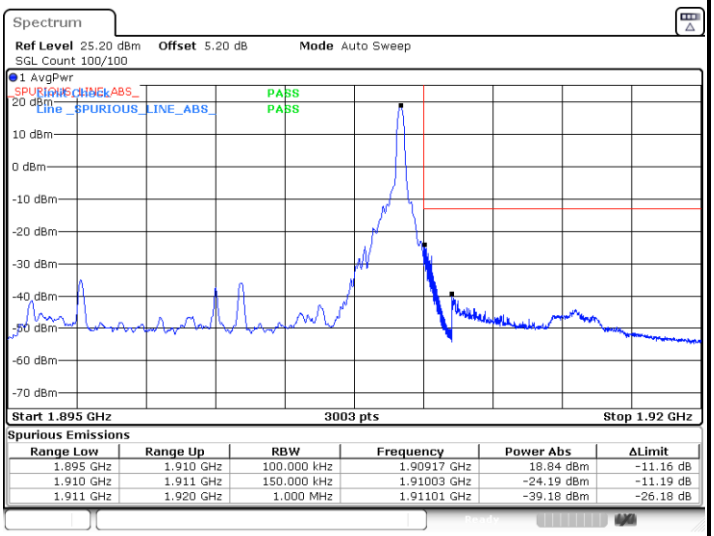


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84900 GHz	-38.79 dBm	-25.79 dB
1.849 GHz	1.850 GHz	150.000 kHz	1.85000 GHz	-23.84 dBm	-10.84 dB
1.850 GHz	1.865 GHz	100.000 kHz	1.85083 GHz	19.03 dBm	-10.97 dB

Date: 29.JAN.2024 21:51:24

Highest Band Edge / 1 RB

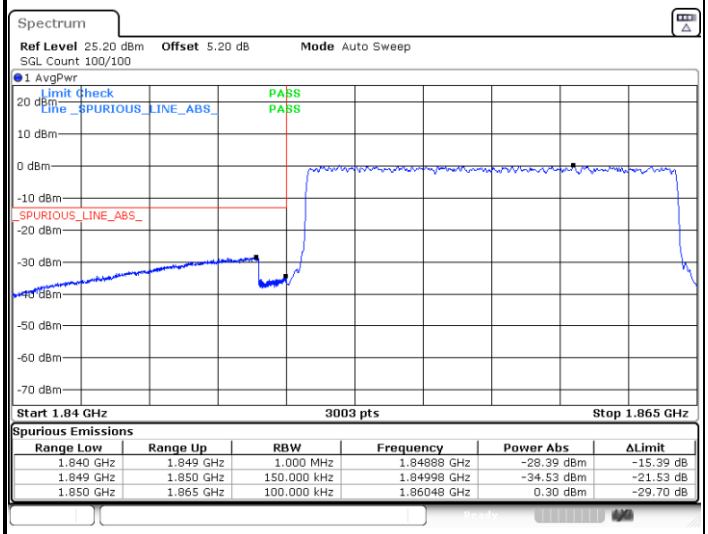


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.895 GHz	1.910 GHz	100.000 kHz	1.90917 GHz	18.84 dBm	-11.16 dB
1.910 GHz	1.911 GHz	150.000 kHz	1.91003 GHz	-24.19 dBm	-11.19 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91101 GHz	-39.18 dBm	-26.18 dB

Date: 29.JAN.2024 22:01:12

Lowest Band Edge / Full RB

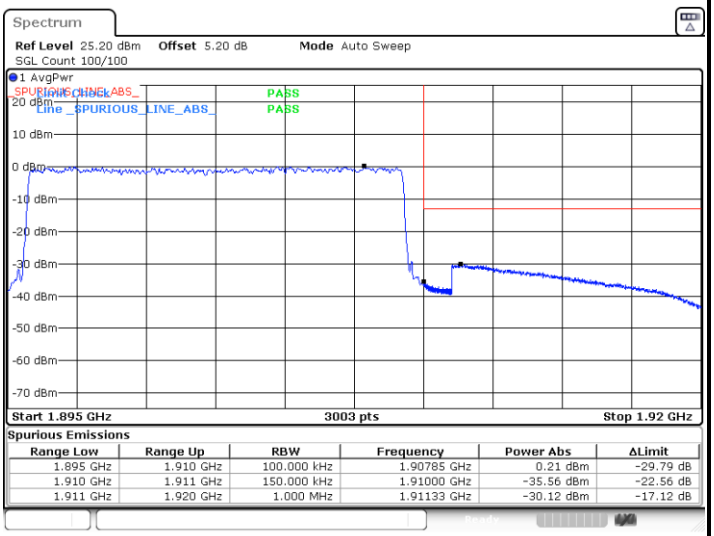


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84888 GHz	-28.39 dBm	-15.39 dB
1.849 GHz	1.850 GHz	150.000 kHz	1.84998 GHz	-34.53 dBm	-21.53 dB
1.850 GHz	1.865 GHz	100.000 kHz	1.86048 GHz	0.30 dBm	-29.70 dB

Date: 29.JAN.2024 21:50:40

Highest Band Edge / Full RB



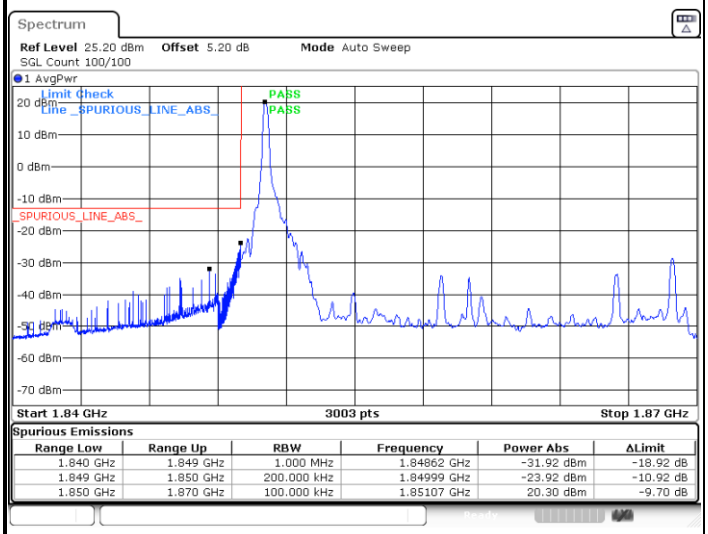
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.895 GHz	1.910 GHz	100.000 kHz	1.90785 GHz	0.21 dBm	-29.79 dB
1.910 GHz	1.911 GHz	150.000 kHz	1.91000 GHz	-35.56 dBm	-22.56 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91133 GHz	-30.12 dBm	-17.12 dB

Date: 29.JAN.2024 22:01:57

LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / 1 RB

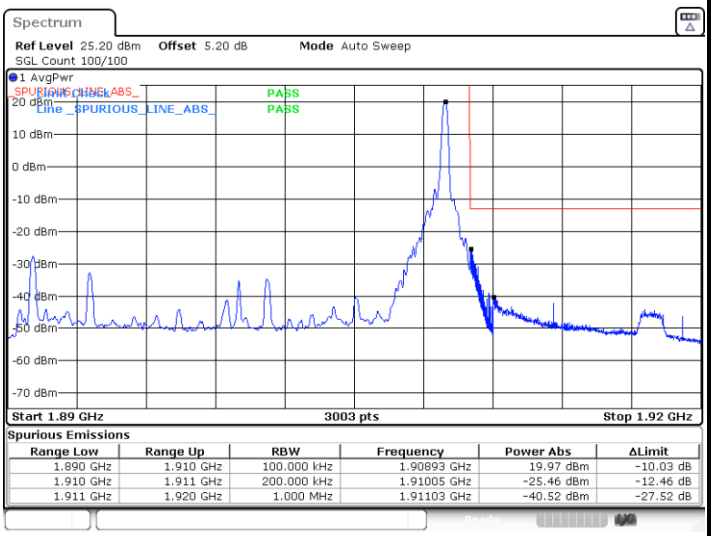


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84862 GHz	-31.92 dBm	-18.92 dB
1.849 GHz	1.850 GHz	200.000 kHz	1.84999 GHz	-23.92 dBm	-10.92 dB
1.850 GHz	1.870 GHz	100.000 kHz	1.85107 GHz	20.30 dBm	-9.70 dB

Date: 29.JAN.2024 22:07:55

Highest Band Edge / 1 RB

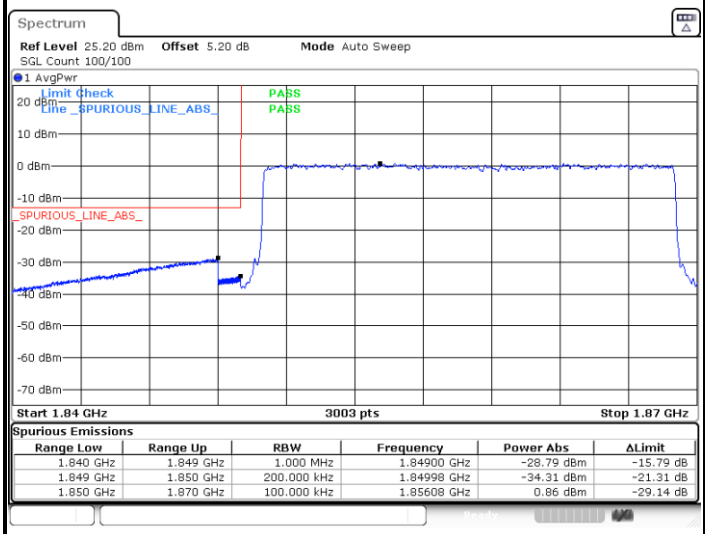


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.890 GHz	1.910 GHz	100.000 kHz	1.90893 GHz	19.97 dBm	-10.03 dB
1.910 GHz	1.911 GHz	200.000 kHz	1.91005 GHz	-25.46 dBm	-12.46 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91103 GHz	-40.52 dBm	-27.52 dB

Date: 29.JAN.2024 22:14:44

Lowest Band Edge / Full RB

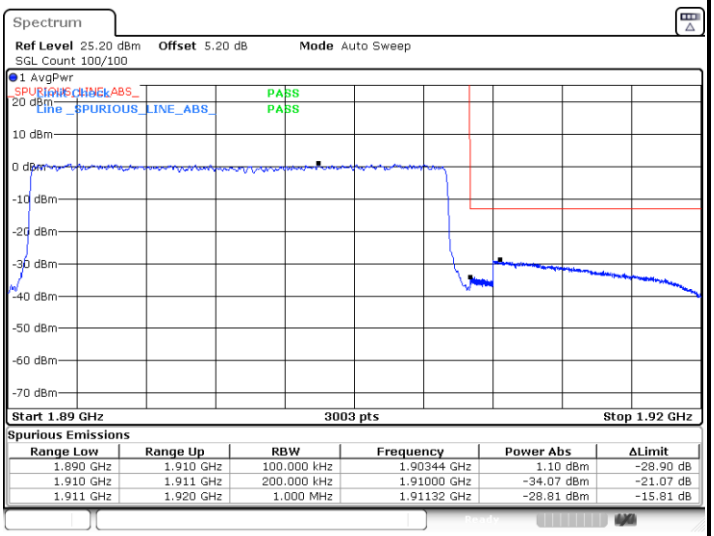


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84900 GHz	-28.79 dBm	-15.79 dB
1.849 GHz	1.850 GHz	200.000 kHz	1.84998 GHz	-34.31 dBm	-21.31 dB
1.850 GHz	1.870 GHz	100.000 kHz	1.85608 GHz	0.86 dBm	-29.14 dB

Date: 29.JAN.2024 22:04:12

Highest Band Edge / Full RB



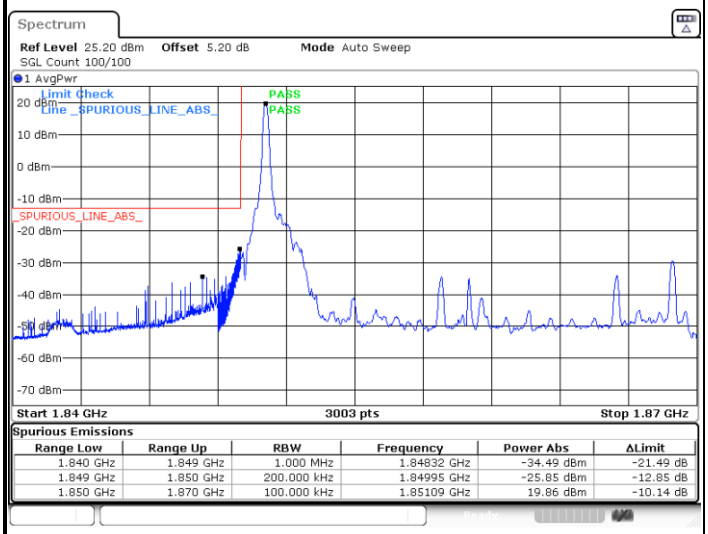
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.890 GHz	1.910 GHz	100.000 kHz	1.90344 GHz	1.10 dBm	-28.90 dB
1.910 GHz	1.911 GHz	200.000 kHz	1.91000 GHz	-34.07 dBm	-21.07 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91132 GHz	-28.81 dBm	-15.81 dB

Date: 29.JAN.2024 22:18:27

LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / 1 RB

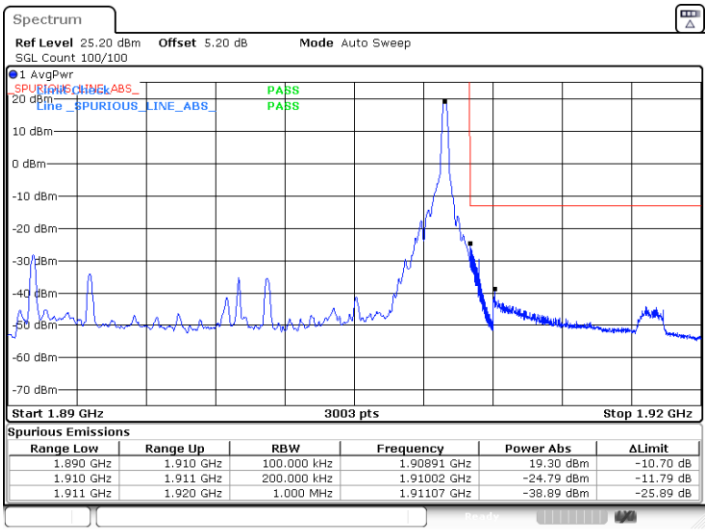


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84832 GHz	-34.49 dBm	-21.49 dB
1.849 GHz	1.850 GHz	200.000 kHz	1.84995 GHz	-25.85 dBm	-12.85 dB
1.850 GHz	1.870 GHz	100.000 kHz	1.85109 GHz	19.86 dBm	-10.14 dB

Date: 29.JAN.2024 22:07:11

Highest Band Edge / 1 RB

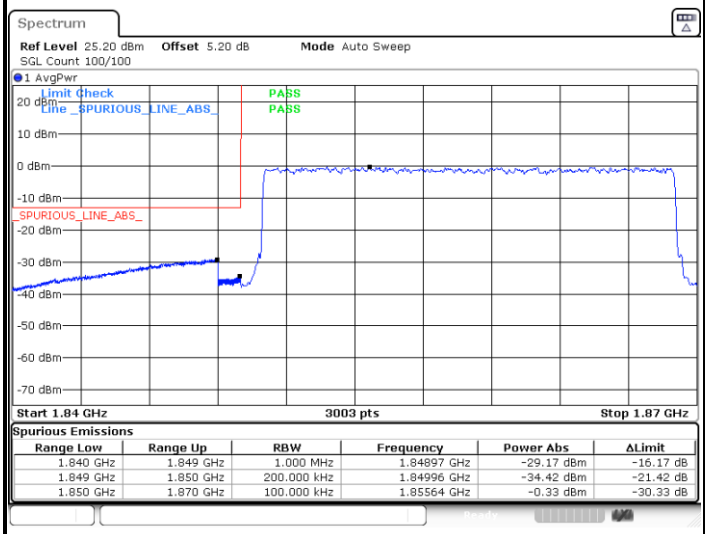


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.890 GHz	1.910 GHz	100.000 kHz	1.90891 GHz	19.30 dBm	-10.70 dB
1.910 GHz	1.911 GHz	200.000 kHz	1.91002 GHz	-24.79 dBm	-11.79 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91107 GHz	-38.89 dBm	-25.89 dB

Date: 29.JAN.2024 22:15:28

Lowest Band Edge / Full RB

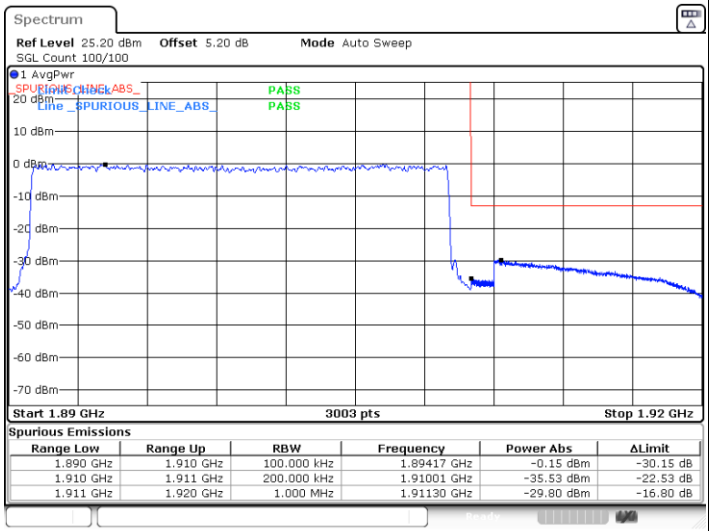


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84897 GHz	-29.17 dBm	-16.17 dB
1.849 GHz	1.850 GHz	200.000 kHz	1.84996 GHz	-34.42 dBm	-21.42 dB
1.850 GHz	1.870 GHz	100.000 kHz	1.85564 GHz	-0.33 dBm	-30.33 dB

Date: 29.JAN.2024 22:04:56

Highest Band Edge / Full RB



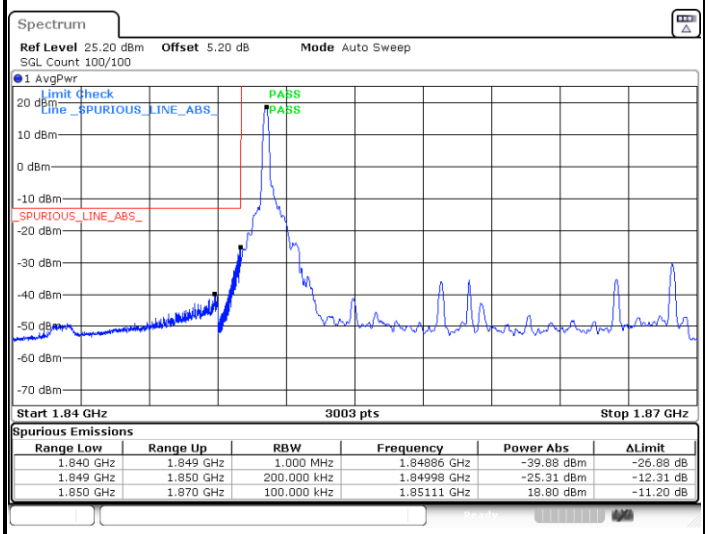
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.890 GHz	1.910 GHz	100.000 kHz	1.89417 GHz	-0.15 dBm	-30.15 dB
1.910 GHz	1.911 GHz	200.000 kHz	1.91001 GHz	-35.53 dBm	-22.53 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91130 GHz	-29.80 dBm	-16.80 dB

Date: 29.JAN.2024 22:17:42

LTE Band 2 / 20MHz / 64QAM

Lowest Band Edge / 1 RB

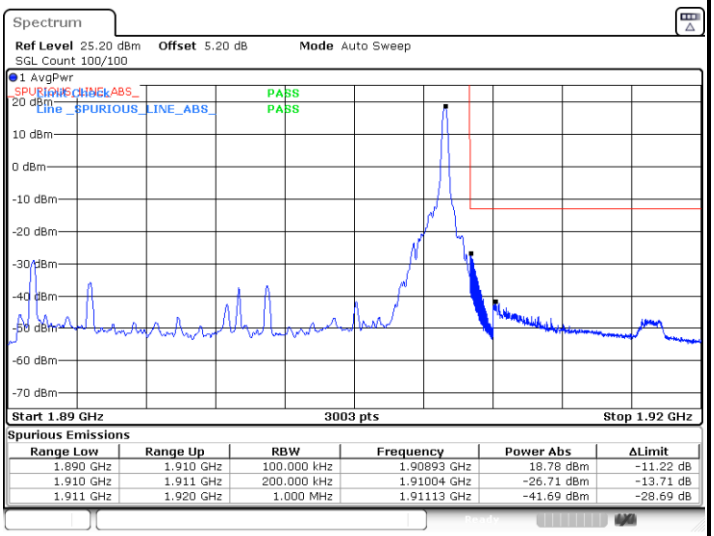


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84886 GHz	-39.88 dBm	-26.88 dB
1.849 GHz	1.850 GHz	200.000 kHz	1.84998 GHz	-25.31 dBm	-12.31 dB
1.850 GHz	1.870 GHz	100.000 kHz	1.85111 GHz	18.80 dBm	-11.20 dB

Date: 29.JAN.2024 22:06:26

Highest Band Edge / 1 RB

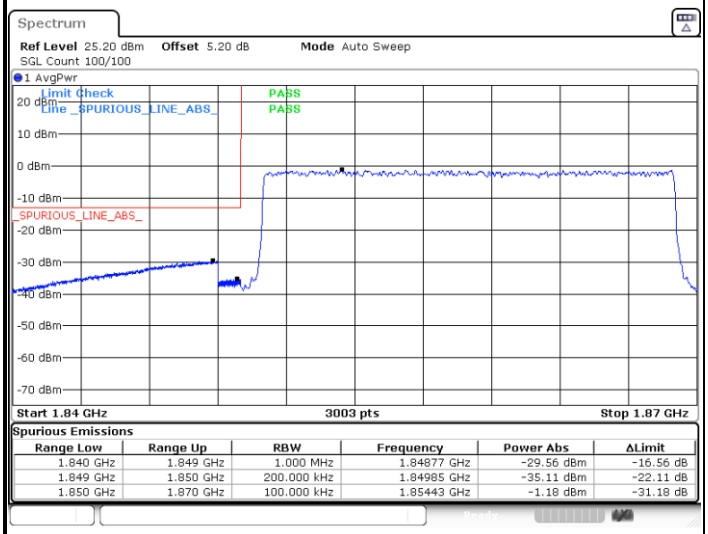


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.890 GHz	1.910 GHz	100.000 kHz	1.90893 GHz	18.78 dBm	-11.22 dB
1.910 GHz	1.911 GHz	200.000 kHz	1.91004 GHz	-26.71 dBm	-13.71 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91113 GHz	-41.69 dBm	-28.69 dB

Date: 29.JAN.2024 22:16:13

Lowest Band Edge / Full RB

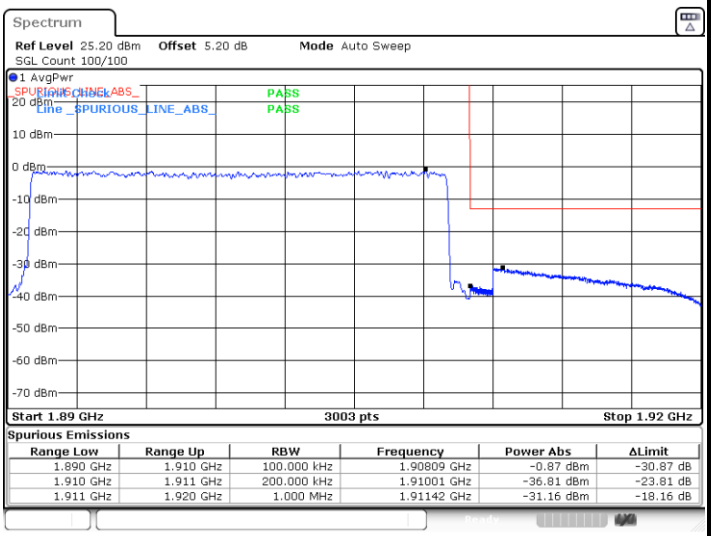


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84877 GHz	-29.56 dBm	-16.56 dB
1.849 GHz	1.850 GHz	200.000 kHz	1.84985 GHz	-35.11 dBm	-22.11 dB
1.850 GHz	1.870 GHz	100.000 kHz	1.85443 GHz	-1.18 dBm	-31.18 dB

Date: 29.JAN.2024 22:05:41

Highest Band Edge / Full RB



Spurious Emissions

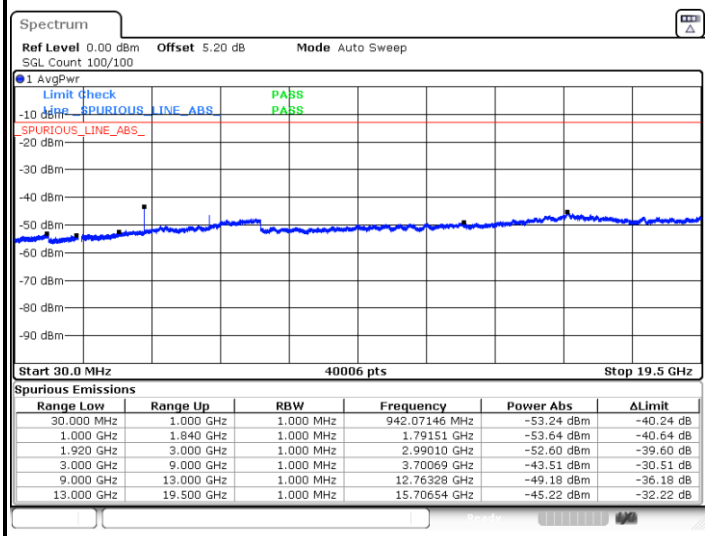
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.890 GHz	1.910 GHz	100.000 kHz	1.90809 GHz	-0.87 dBm	-30.87 dB
1.910 GHz	1.911 GHz	200.000 kHz	1.91001 GHz	-36.81 dBm	-23.81 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91142 GHz	-31.16 dBm	-18.16 dB

Date: 29.JAN.2024 22:16:57

Conducted Spurious Emission

LTE Band 2 / 1.4MHz

Lowest Channel / QPSK

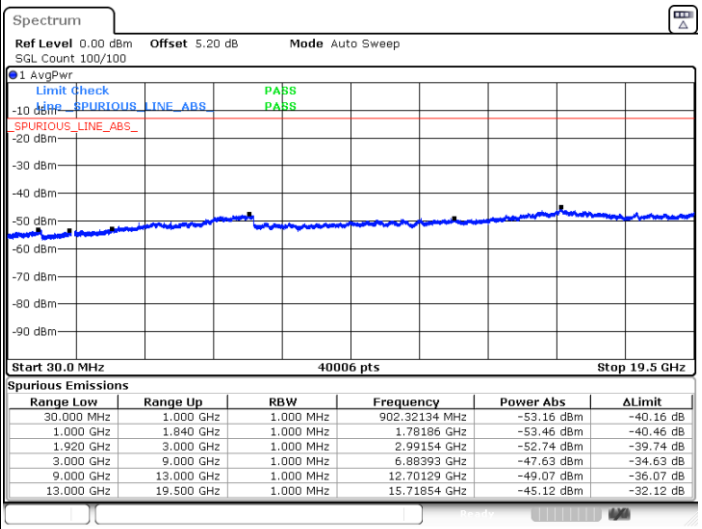


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	942.07146 MHz	-53.24 dBm	-40.24 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79151 GHz	-53.64 dBm	-40.64 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99010 GHz	-52.60 dBm	-39.60 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70069 GHz	-43.51 dBm	-30.51 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.76328 GHz	-49.18 dBm	-36.18 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.70654 GHz	-45.22 dBm	-32.22 dB

Date: 29.JAN.2024 20:36:53

Middle Channel / QPSK

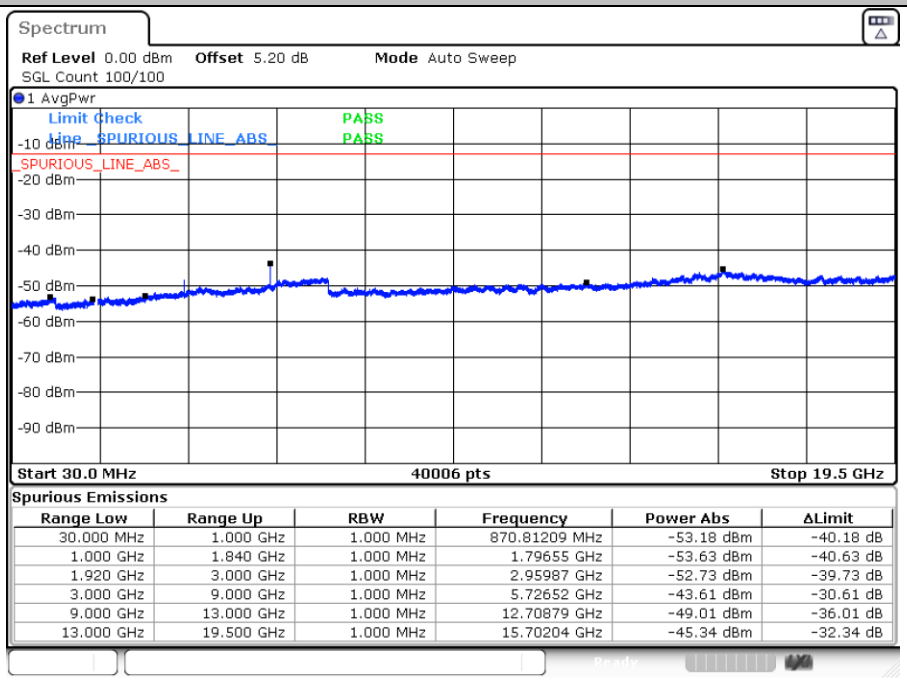


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	902.32134 MHz	-53.16 dBm	-40.16 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.78186 GHz	-53.46 dBm	-40.46 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99154 GHz	-52.74 dBm	-39.74 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.88393 GHz	-47.63 dBm	-34.63 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70129 GHz	-49.07 dBm	-36.07 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.71854 GHz	-45.12 dBm	-32.12 dB

Date: 29.JAN.2024 20:38:54

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	870.81209 MHz	-53.18 dBm	-40.18 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79655 GHz	-53.63 dBm	-40.63 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.95987 GHz	-52.73 dBm	-39.73 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.72652 GHz	-43.61 dBm	-30.61 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70879 GHz	-49.01 dBm	-36.01 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.70204 GHz	-45.34 dBm	-32.34 dB

Date: 29.JAN.2024 20:40:56