# FCC RF Test Report

| | |
|---|---|
| APPLICANT | : Motorola Mobility LLC |
| EQUIPMENT | : Mobile Cellular Phone |
| BRAND NAME | : Motorola |
| MODEL NAME | : XT2451-3 |
| FCC ID | : IHDT56AP8 |
| STANDARD | : 47 CFR Part 2, Part 27 Subpart Q |
| CLASSIFICATION | : PCS Licensed Transmitter Held to Ear (PCE) |
| TEST DATE(S) | : Mar. 20, 2024 ~ Apr. 29, 2024 |

**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**

ACCREDITED Cert #5145.01

***Sporton International Inc. (ShenZhen)***

***1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055***

***People's Republic of China***

# TABLE OF CONTENTS

# REVISION HISTORY

| REPORT NO. | VERSION | DESCRIPTION | ISSUED DATE |
|---|---|---|---|
| FG420703-01C | Rev. 01 | Initial issue of report | Apr. 30, 2024 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

# 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<br>§27.53 (n)(2) | Conducted Band Edge Measurement | -13dBm/MHz | PASS | - |
| 3.9 | §2.1051<br>§27.53 (n)(2) | Conducted Spurious Emission | -13dBm/MHz | PASS | - |
| 3.10 | §2.1055<br>§27.54 | Frequency Stability Temperature & Voltage | Within the band | PASS | - |
| 4.4 | §2.1053<br>§27.53 (n)(2) | Radiated Spurious Emission | -13dBm/MHz | PASS | Under limit 38.50 dB at 13924.40 MHz |

**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

**Motorola Mobility LLC**
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

## 1.2 Manufacturer

**Motorola Mobility LLC**
222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

## 1.3 Product Feature of Equipment Under Test

| Product Feature | |
|---|---|
| **Equipment** | Mobile Cellular Phone |
| **Brand Name** | Motorola |
| **Model Name** | XT2451-3 |
| **FCC ID** | IHDT56AP8 |
| **IMEI Code** | Conducted: 355473450019278/355473450019286<br>Radiation: 355473450020037/355473450020045 |
| **HW Version** | DVT2 |
| **SW Version** | U3UX34.16 |
| **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** | **<ANT3>**<br>LTE Band 42 : 23.55 dBm<br>LTE CA_42C : 23.48 dBm<br>**<ANT4>**<br>LTE Band 42 : 23.63 dBm<br>LTE CA_42C : 23.42 dBm<br>**<ANT6>**<br>LTE Band 42 : 22.38 dBm<br>LTE CA_42C : 22.28 dBm<br>**<ANT8>**<br>LTE Band 42 : 23.23 dBm<br>LTE CA_42C : 23.14 dBm |
| **Antenna Gain** | **<ANT3> :** LTE Band 42 : -2.9 dBi<br>**<ANT4> :** LTE Band 42 : -3.7 dBi<br>**<ANT6> :** LTE Band 42 : -2.2 dBi<br>**<ANT8> :** LTE Band 42 : -4.5 dBi |
| **Type of Modulation** | QPSK / 16QAM / 64QAM / 256QAM |

**Note:** The maximum EIRP is calculated from max output power and max antenna gain, only the maximum EIRP of Antenna 3 for LTE B42/42C are 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 42 | | QPSK | | 16QAM/64QAM/256QAM | |
|---|---|---|---|---|---|
| BW (MHz) | Frequency Range (MHz) | Maximum EIRP(W) | Emission Designator (99%OBW) | Maximum EIRP(W) | Emission Designator (99%OBW) |
| **5** | 3452.5 ~ 3547.5 | 0.1148 | 4M50G7D | 0.0953 | 4M51W7D |
| **10** | 3455 ~ 3545 | 0.1153 | 9M01G7D | 0.0951 | 9M03W7D |
| **15** | 3457.5 ~ 3542.5 | 0.1151 | 13M4G7D | 0.0964 | 13M5W7D |
| **20** | 3460 ~ 3540 | 0.1161 | 17M9G7D | 0.0975 | 17M9W7D |

| LTE Band 42 CA | QPSK | | 16QAM/64QAM/256QAM | |
|---|---|---|---|---|
| BW (MHz) | Maximum EIRP(W) | Emission Designator (99%OBW) | Maximum EIRP(W) | Emission Designator (99%OBW) |
| **20MHz+20MHz** | 0.1143 | 37M3G7D | 0.0948 | 37M2W7D |
| **20MHz+15MHz** | 0.1125 | 32M8G7D | 0.0916 | 32M8W7D |
| **15MHz+20MHz** | 0.1104 | 32M7G7D | 0.0933 | 32M7W7D |
| **20MHz+10MHz** | 0.1109 | 28M3G7D | 0.0910 | 28M1W7D |
| **10MHz+20MHz** | 0.1099 | 27M8G7D | 0.0933 | 27M8W7D |
| **20MHz+5MHz** | 0.1117 | 23M3G7D | 0.0908 | 23M1W7D |
| **5MHz+20MHz** | 0.1125 | 23M3G7D | 0.0910 | 23M1W7D |

**Note:** All modulations have been tested, and 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<br>TEL: +86-755-86379589<br>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 518103 People's Republic of China<br>TEL: +86-755-86066985 | | |
| **Test Site No.** | **Sporton Site No.** | **FCC Designation No.** | **FCC Test Firm Registration No.** |
| | 03CH04-SZ | CN1256 | 421272 |

## 1.8 Test Software

| Item | Site | Manufacture | Name | Version |
|---|---|---|---|---|
| 1. | 03CH04-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.

## 1.10 Specification of Accessory

| Specification of Accessory | | | | |
|---|---|---|---|---|
| **AC Adapter 1(US)** | **Brand Name** | Motorola(Chenyang) | **Model Name** | MC-681N |
| **AC Adapter 1(EU)** | **Brand Name** | Motorola(Chenyang) | **Model Name** | MC-682N |
| **AC Adapter 1(UK)** | **Brand Name** | Motorola(Chenyang) | **Model Name** | MC-683N |
| **AC Adapter 1(AU)** | **Brand Name** | Motorola(Chenyang) | **Model Name** | MC-685N |
| **AC Adapter 1(AR)** | **Brand Name** | Motorola(Chenyang) | **Model Name** | MC-686N |
| **AC Adapter 1(BR)** | **Brand Name** | Motorola(Chenyang) | **Model Name** | MC-687N |
| **AC Adapter 1(Chile)** | **Brand Name** | Motorola(Chenyang) | **Model Name** | MC-689N |
| **AC Adapter 1(KR)** | **Brand Name** | Motorola(Chenyang) | **Model Name** | MC-680N |
| **AC Adapter 2(US)** | **Brand Name** | Motorola(Acbel) | **Model Name** | MC-681N |
| **AC Adapter 2(EU)** | **Brand Name** | Motorola(Acbel) | **Model Name** | MC-682N |
| **AC Adapter 2(UK)** | **Brand Name** | Motorola(Acbel) | **Model Name** | MC-683N |
| **AC Adapter 2(AU)** | **Brand Name** | Motorola(Acbel) | **Model Name** | MC-685N |
| **AC Adapter 2(AR)** | **Brand Name** | Motorola(Acbel) | **Model Name** | MC-686N |
| **AC Adapter 2(BR)** | **Brand Name** | Motorola(Acbel) | **Model Name** | MC-687N |
| **AC Adapter 3(IN)** | **Brand Name** | Motorola(Acbel) | **Model Name** | MC-684N |
| **Battery 1** | **Brand Name** | Motorola(ATL) | **Model Name** | QR10 |
| **Battery 2** | **Brand Name** | Motorola(ATL) | **Model Name** | QR30 |
| **USB Cable 1** | **Brand Name** | Motorola(SAIBAO) | **Model Name** | SC18D71644 |
| **USB Cable 2** | **Brand Name** | Motorola(Luxshare) | **Model Name** | SC18E08104 |
| **Wireless Earphones** | **Brand Name** | Motorola | **Model Name** | XT2441-1 |

# 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 with Adapter mode, Earphone mode and Wireless Charging mode, and find the maximum emission. (X Plane-Adapter mode)

The device is a folded phone, pretest open & close status, the worst status perform final test.(open status)

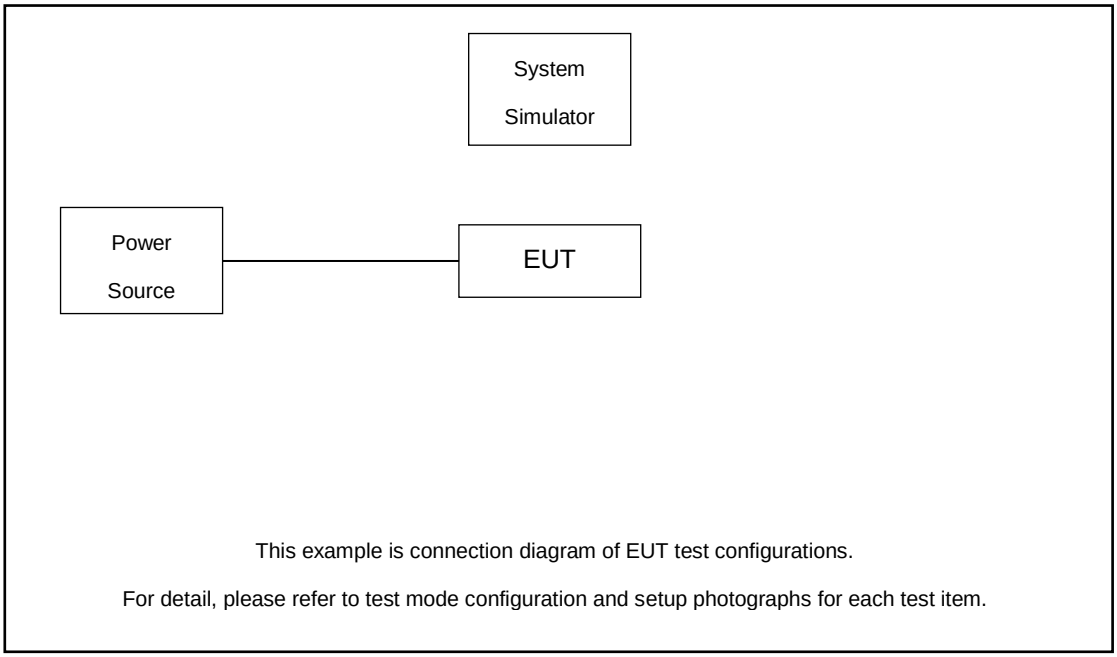
| Test Cases | Band | Bandwidth (MHz) | Modulation | RB # | Test Channel |
|---|---|---|---|---|---|
| | | eg. 5M, 10M, 15M, 20M | eg. QPSK, 16QAM, 64QAM, 256QAM | 1RB, Partial RB, Full RB | L/M/H |
| **Max. Output Power** | LTE Band 42 | 5M, 10M, 15M, 20M | QPSK, 16QAM, 64QAM, 256QAM | 1RB, Partial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

**Note:**

1. 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. For QAM modulation mode, the whole testing has assessed 16QAM&64QAM mode by referring to the higher conducted power.

| 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 | 16 QAM | 64 QAM | 256 QAM | 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 |
| 26dB and 99% Bandwidth | 42C_CA | v | v | v | v | v | v | v | - | - | - | v | v | | | | | v | | v | |
| Conducted Band Edge | 42C_CA | v | v | v | v | v | v | v | - | - | - | v | v | v | | v | | v | v | | v |
| Conducted Spurious Emission | 42C_CA | v | v | v | v | v | v | v | - | - | - | v | | | | v | | | v | v | v |
| E.I.R.P. | 42C_CA | v | v | v | v | v | v | v | - | - | - | v | v | v | v | v | | | v | v | v |
| Radiated Spurious Emission | 42C_CA | Worst Case | | | | | | | | | | | | | | | | | | v | |
| Note | 1. The mark "**v** " means that this configuration is chosen for testing<br>2. The mark "-" means that this bandwidth is not supported.<br>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.<br>4. For QAM modulation mode, the whole testing has assessed 16QAM&64QAM mode by referring to the 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 |
| 3. | Fixture | INTEL | NGFF Card Carrier | N/A | N/A | N/A |

## 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 5.5 dB and 10dB attenuator.

Example :

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

= 5.5 + 10 = 15.5 (dB)

## 2.5 Frequency List of Low/Middle/High Channels

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

| LTE Band 42C_CA Channel and Frequency List | | | | | |
|---|---|---|---|---|---|
| BW [MHz] | Channel/Frequency(MHz) | | Lowest | Middle | Highest |
| 20 + 20 | PCC | Channel | 42190 | 42590 | 42792 |
| | | Frequency | 3460 | 3500 | 3520.2 |
| | SCC | Channel | 42388 | 42788 | 42990 |
| | | Frequency | 3479.8 | 3519.8 | 3540 |
| 20 + 15 | PCC | Channel | 42190 | 42590 | 42844 |
| | | Frequency | 3460 | 3500 | 3525.4 |
| | SCC | Channel | 42361 | 42761 | 43015 |
| | | Frequency | 3477.1 | 3517.1 | 3542.5 |
| 15 + 20 | PCC | Channel | 42165 | 42590 | 42819 |
| | | Frequency | 3457.5 | 3500 | 3522.9 |
| | SCC | Channel | 42336 | 42761 | 42990 |
| | | Frequency | 3474.6 | 3517.1 | 3540 |
| 20 + 10 | PCC | Channel | 42190 | 42590 | 42896 |
| | | Frequency | 3460 | 3500 | 3530.6 |
| | SCC | Channel | 42334 | 42734 | 43040 |
| | | Frequency | 3474.4 | 3514.4 | 3545 |
| 10 + 20 | PCC | Channel | 42140 | 42590 | 42846 |
| | | Frequency | 3455 | 3500 | 3525.6 |
| | SCC | Channel | 42284 | 42734 | 42990 |
| | | Frequency | 3469.4 | 3514.4 | 3540 |

| | | | | | |
|---|---|---|---|---|---|
| 20 + 5 | PCC | Channel | 42190 | 42590 | 42948 |
| | | Frequency | 3460 | 3500 | 3535.8 |
| | SCC | Channel | 42307 | 42707 | 43065 |
| | | Frequency | 3471.7 | 3511.7 | 3547.5 |
| 5 + 20 | PCC | Channel | 42115 | 42590 | 42873 |
| | | Frequency | 3452.5 | 3500 | 3528.3 |
| | SCC | Channel | 42232 | 42707 | 42990 |
| | | Frequency | 3464.2 | 3511.7 | 3540 |

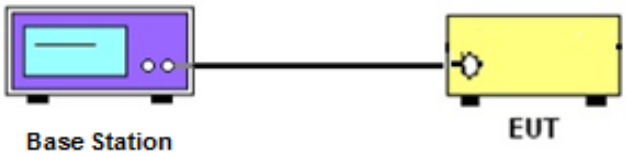
# 3 Conducted Test Items

## 3.1 Measuring Instruments

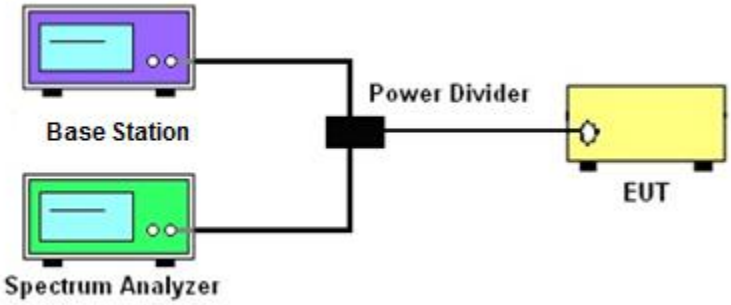
See list of measuring instruments of this test report.

## 3.2 Test Setup

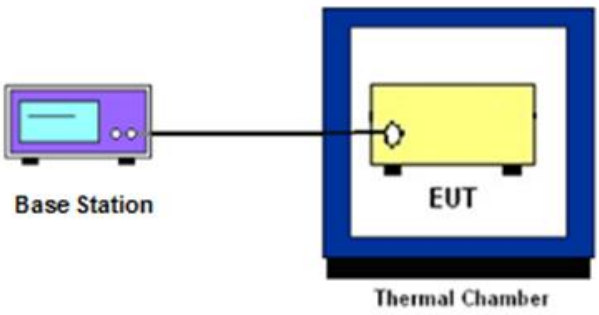
### 3.2.1 Conducted Output Power




### 3.2.2 Peak-to-Average Ratio, Occupied / 26dB Bandwidth, Band-Edge and Conducted Spurious Emission




### 3.2.3 Frequency Stability




## 3.3 Test Result of Conducted Test

Please refer to Appendix A.

## 3.4 Conducted Output Power Measurement

### 3.4.1 Description of the Conducted Output Power Measurement

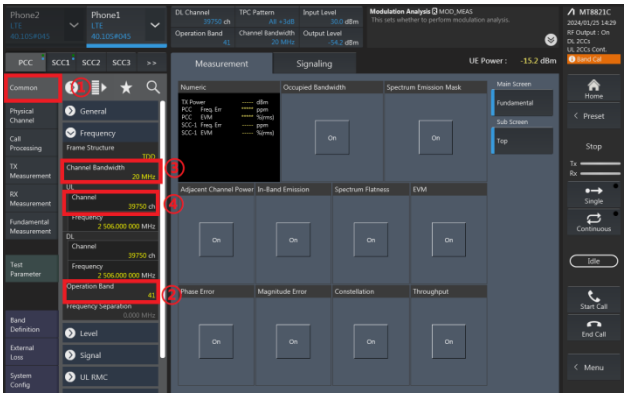
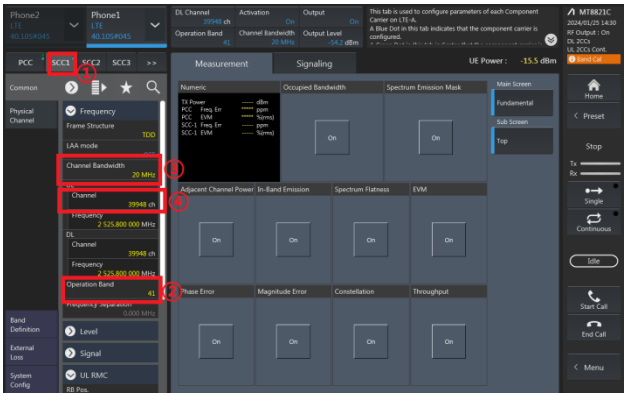
A base station simulator was used to establish communication with the EUT. Its parameters were set to transmit the maximum power on the EUT. The measured power in the radio frequency on the transmitter output terminals shall be reported.

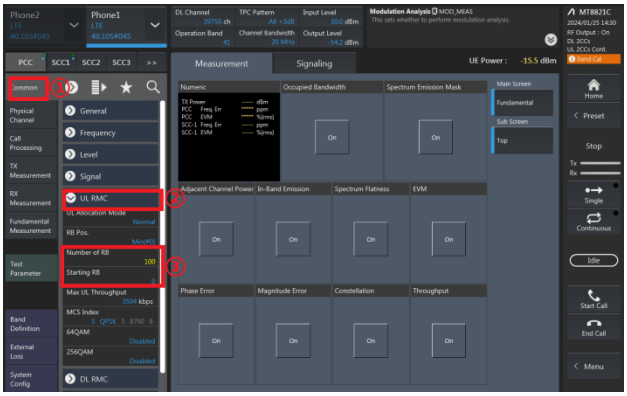
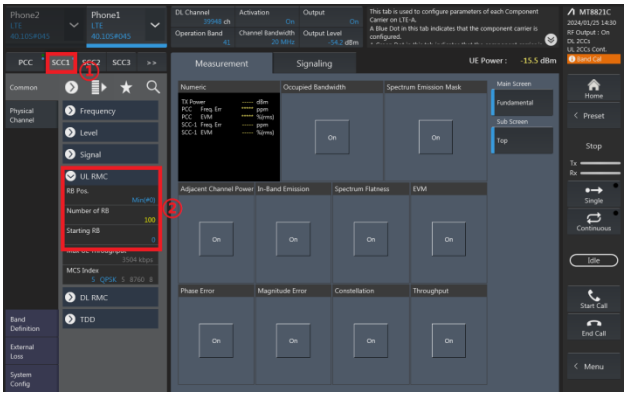
### 3.4.2 Test Procedures

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

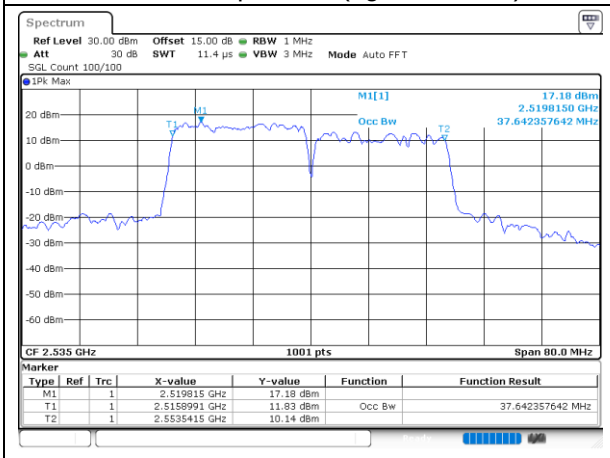
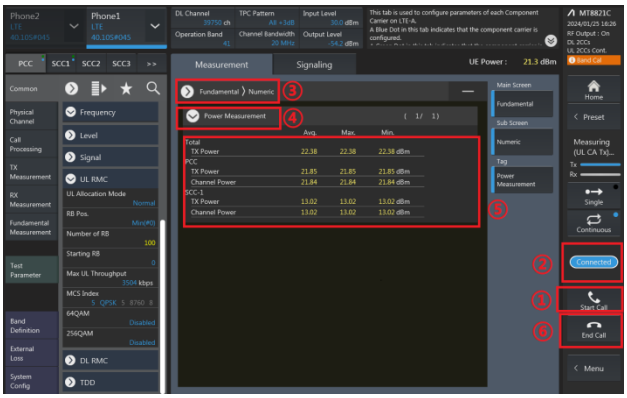
### 3.4.3 Test Procedures for LTE ULCA

1. The testing follows ANSI C63.26 Section 5.2
2. The transmitter PCC & SCC output ports were connected to the system simulator.
3. Set EUT at maximum power, set the PCC/SCC CA band, channel, bandwidth and RB config.

| PCC config_(Channel Bandwidth / Channel / Band) | SCC config_(Channel Bandwidth / Channel / Band) |
|---|---|
|  |  |

| PCC config_(Number of RB / Starting RB) | SCC config_(Number of RB / Starting RB) |
|---|---|
|  |  |

4. Select lowest, middle, and highest channels for each ULCA band and different modulation.
5. Check the ULCA spectrum and record the total power from the system simulator.

| Check the ULCA spectrum (eg. 20M+20M) | Read the Total UL CA output power (PCC+SCC) |
|---|---|
|  |  |

# 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 ≥ 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 ≥ 500KHz.
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 $10^{th}$ harmonic.

## 3.9.2 Test Procedures

6. The testing follows ANSI C63.26 section 5.7
7. The EUT was connected to spectrum analyzer and system simulator via a power divider.
8. 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.
9. The middle channel for the highest RF power within the transmitting frequency was measured.
10. The conducted spurious emission for the whole frequency range was taken.
11. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
12. Set spectrum analyzer with RMS detector.
13. Taking the record of maximum spurious emission.
14. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
15. Checked that all the results comply with the emission limit line.

# 3.10 Frequency Stability Measurement

## 3.10.1 Description of Frequency Stability Measurement

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block.

## 3.10.2 Test Procedures for Temperature Variation

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

## 3.10.3 Test Procedures for Voltage Variation

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

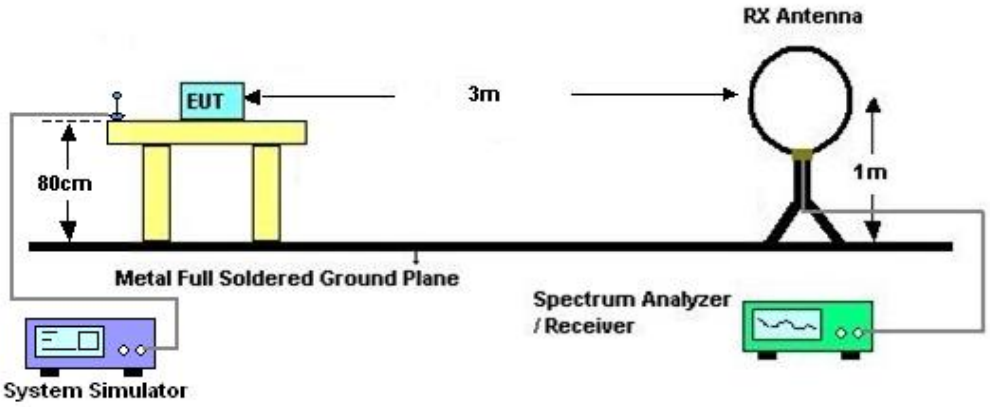
# 4 Radiated Test Items

## 4.1 Measuring Instruments

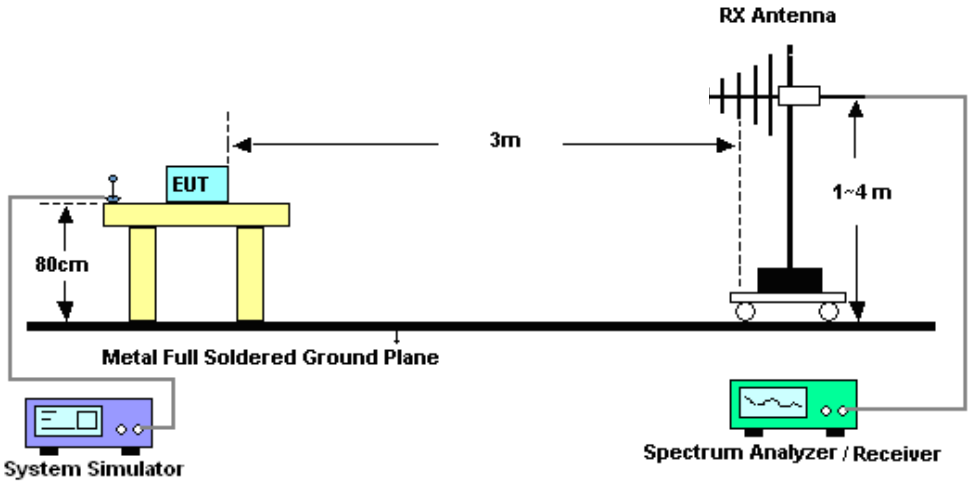
See list of measuring instruments of this test report.

## 4.2 Test Setup

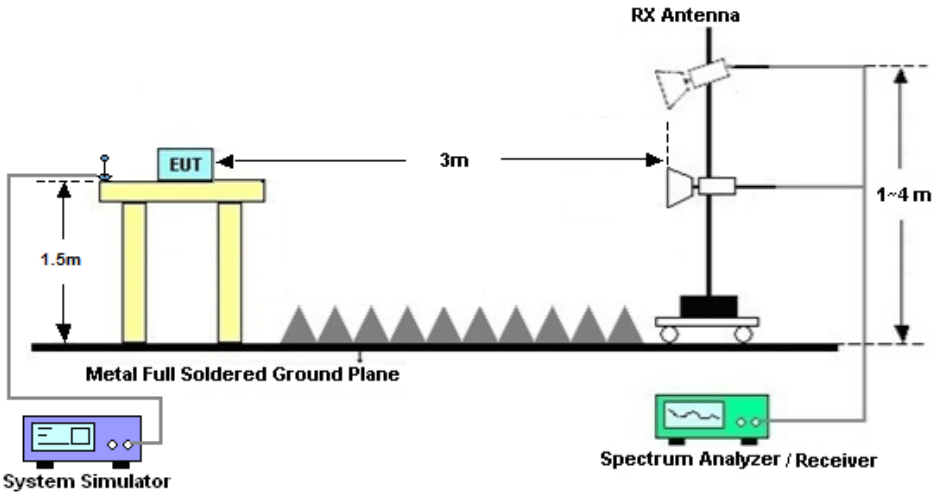
### 4.2.1 For radiated test below 30MHz




### 4.2.2 For radiated test from 30MHz to 1GHz



### 4.2.3 For radiated test above 1GHz




## 4.3 Test Result of Radiated Test

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

Please refer to Appendix B.

## 4.4 Radiated Spurious Emission Measurement

### 4.4.1 Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI/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.
   EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain
   ERP (dBm) = 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 | Mar. 20, 2024~ Apr. 28, 2024 | Apr. 05, 2024 | Conducted (TH01-SZ) |
| Spectrum Analyzer | R&S | FSV40 | 101078 | 10Hz~40GHz | Apr. 05, 2024 | | Apr. 04, 2025 | Conducted (TH01-SZ) |
| DC Power Supply | TTI | PL330P | 290070 | Max 32V，3A | Oct. 16, 2023 | Mar. 20, 2024~ Apr. 28, 2024 | Oct. 15, 2024 | Conducted (TH01-SZ) |
| Power Divider | TOJOIN | PS-2SM-04 265 | 60.06.020.007 7 | 0.4GHz~26.5GHz | Dec. 25, 2023 | Mar. 20, 2024~ Apr. 28, 2024 | Dec. 24, 2024 | Conducted (TH01-SZ) |
| Thermal Chamber | Ten Billion Hongzhangroup | LP-150U | H2014081803 | -40~+150°C | Jul. 05, 2023 | Mar. 20, 2024~ Apr. 28, 2024 | Jul. 04, 2024 | Conducted (TH01-SZ) |
| EMI Test Receiver | R&S | ESR7 | 101404 | 9kHz~7GHz | Oct. 18, 2023 | Apr. 06, 2024~ Apr. 29, 2024 | Oct. 17, 2024 | Radiation (03CH04-SZ) |
| EXA Spectrum Analyzer | KEYSIGHT | N9010A | MY55150213 | 10Hz~44GHz | Jul. 07, 2023 | Apr. 06, 2024~ Apr. 29, 2024 | Jul. 06, 2024 | Radiation (03CH04-SZ) |
| Loop Antenna | R&S | HFH2-Z2 | 100354 | 9kHz~30MHz | Jun. 28, 2022 | Apr. 06, 2024~ Apr. 29, 2024 | Jun. 27, 2024 | Radiation (03CH04-SZ) |
| Bilog Antenna | TeseQ | CBL6111D | 41909 | 30MHz~1GHz | May 14, 2023 | Apr. 06, 2024~ Apr. 29, 2024 | May 13, 2024 | Radiation (03CH04-SZ) |
| Double Ridge Horn Antenna | SCHWARZBECK | BBHA9120D | 9120D-1474 | 1GHz~18GHz | Jul. 07, 2023 | Apr. 06, 2024~ Apr. 29, 2024 | Jul. 06, 2024 | Radiation (03CH04-SZ) |
| Horn Antenna | SCHWARZBECK | BBHA9170 | 9170#679 | 15GHz~40GHz | Jul. 08, 2023 | Apr. 06, 2024~ Apr. 29, 2024 | Jul. 07, 2024 | Radiation (03CH04-SZ) |
| Amplifier | Burgeon | BPA-530 | 102211 | 0.01Hz ~3000MHz | Oct. 18, 2023 | Apr. 06, 2024~ Apr. 29, 2024 | Oct. 17, 2024 | Radiation (03CH04-SZ) |
| HF Amplifier | MITEQ | AMF-7D-00 101800-30-1 0P-R | 1943528 | 1GHz~18GHz | Oct. 18, 2023 | Apr. 06, 2024~ Apr. 29, 2024 | Oct. 17, 2024 | Radiation (03CH04-SZ) |
| HF Amplifier | MITEQ | TTA1840-35 -HG | 1871923 | 18GHz~40GHz | Jul. 07, 2023 | Apr. 06, 2024~ Apr. 29, 2024 | Jul. 06, 2024 | Radiation (03CH04-SZ) |
| Amplifier | Agilent Technologies | 83017A | MY57280136 | 500MHz~26.5GHz | Aug. 21, 2023 | Apr. 06, 2024~ Apr. 29, 2024 | Aug. 20, 2024 | Radiation (03CH04-SZ) |
| AC Power Source | APC | AFV-S-600B | F119050019 | N/A | Oct. 18, 2023 | Apr. 06, 2024~ Apr. 29, 2024 | Oct. 17, 2024 | Radiation (03CH04-SZ) |
| Turn Table | EM | EM1000 | N/A | 0~360 degree | NCR | Apr. 06, 2024~ Apr. 29, 2024 | NCR | Radiation (03CH04-SZ) |
| Antenna Mast | EM | EM1000 | N/A | 1 m~4 m | NCR | Apr. 06, 2024~ Apr. 29, 2024 | NCR | Radiation (03CH04-SZ) |

NCR: No Calibration Required

# 6 Measurement Uncertainty

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

**Uncertainty of Conducted Measurement**

| Test Item | Uncertainty |
|---|---|
| Conducted Spurious Emission & Bandedge | ±1.34 dB |
| Occupied Channel Bandwidth | ±0.012 MHz |
| Conducted Power | ±1.34 dB |
| Peak to Average Ratio | ±1.34 dB |
| Frequency Stability | ±1.3 Hz |

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

| | |
|---|---|
| Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y)) | 2.8 dB |

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

| | |
|---|---|
| Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y)) | 3.1 dB |

**Uncertainty of Radiated Emission Measurement (1 GHz ~ 40 GHz)**

| | |
|---|---|
| Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y)) | 3.9 dB |

**---------- THE END ----------**

# Appendix A. Test Results of Conducted Test

| Test Engineer : | Lorenzo Liu | Temperature : | 24~26℃ |
|---|---|---|---|
| | | Relative Humidity : | 50~53% |

## Conducted Output Power(Average power) and EIRP

**LTE Band 42_ANT3**

| BW [MHz] | Modulation | RB Size | RB Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | EIRP(W) | | |
|---|---|---|---|---|---|---|---|---|---|
| Channel | | | | 42190 | 42590 | 42990 | | | |
| Frequency (MHz) | | | | 3460 | 3500 | 3540 | L | M | H |
| 20 | QPSK | 1 | 0 | 23.50 | 23.53 | 23.55 | 0.1148 | 0.1156 | 0.1161 |
| 20 | QPSK | 1 | 49 | 23.42 | 23.51 | 23.52 | 0.1127 | 0.1151 | 0.1153 |
| 20 | QPSK | 1 | 99 | 23.35 | 23.42 | 23.44 | 0.1109 | 0.1127 | 0.1132 |
| 20 | QPSK | 50 | 0 | 22.51 | 22.56 | 22.60 | 0.0914 | 0.0925 | 0.0933 |
| 20 | QPSK | 50 | 24 | 22.50 | 22.53 | 22.59 | 0.0912 | 0.0918 | 0.0931 |
| 20 | QPSK | 50 | 50 | 22.42 | 22.54 | 22.52 | 0.0895 | 0.0920 | 0.0916 |
| 20 | QPSK | 100 | 0 | 22.46 | 22.46 | 22.55 | 0.0904 | 0.0904 | 0.0923 |
| 20 | 16QAM | 1 | 0 | 22.62 | 22.75 | 22.79 | 0.0938 | 0.0966 | 0.0975 |
| 20 | 64QAM | 1 | 0 | 21.53 | 21.78 | 21.82 | 0.0729 | 0.0773 | 0.0780 |
| 20 | 256QAM | 1 | 0 | 18.47 | 18.62 | 18.57 | 0.0361 | 0.0373 | 0.0369 |
| Channel | | | | 42165 | 42590 | 43015 | EIRP(W) | | |
| Frequency (MHz) | | | | 3457.5 | 3500 | 3542.5 | L | M | H |
| 15 | QPSK | 1 | 0 | 23.44 | 23.51 | 23.45 | 0.1132 | 0.1151 | 0.1135 |
| 15 | 16QAM | 1 | 0 | 22.50 | 22.71 | 22.74 | 0.0912 | 0.0957 | 0.0964 |
| Channel | | | | 42140 | 42590 | 43040 | EIRP(W) | | |
| Frequency (MHz) | | | | 3455 | 3500 | 3545 | L | M | H |
| 10 | QPSK | 1 | 0 | 23.45 | 23.50 | 23.52 | 0.1135 | 0.1148 | 0.1153 |
| 10 | 16QAM | 1 | 0 | 22.61 | 22.68 | 22.68 | 0.0935 | 0.0951 | 0.0951 |
| Channel | | | | 42115 | 42590 | 43065 | EIRP(W) | | |
| Frequency (MHz) | | | | 3452.5 | 3500 | 3547.5 | L | M | H |
| 5 | QPSK | 1 | 0 | 23.37 | 23.50 | 23.40 | 0.1114 | 0.1148 | 0.1122 |
| 5 | 16QAM | 1 | 0 | 22.51 | 22.67 | 22.69 | 0.0914 | 0.0948 | 0.0953 |

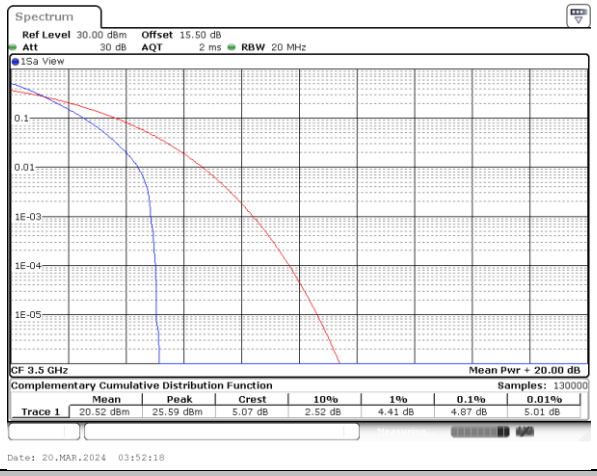
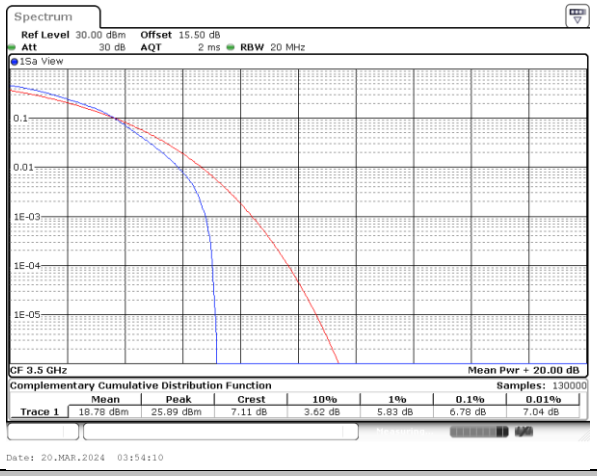
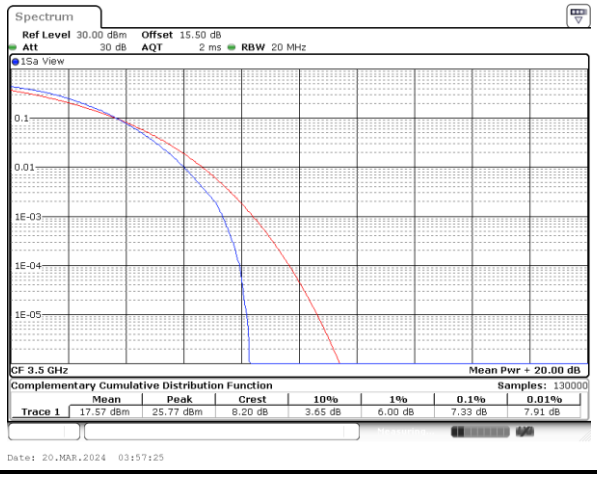
**LTE CA_ 42C_ANT3**

| Combination 20MHz+20MHz (100RB+100RB) | | | | | | | |
|---|---|---|---|---|---|---|---|
| Channel | Modulation | PCC | | SCC | | Measured Power | EIRP(W) |
| | | RB Size | RB offset | RB Size | RB offset | | |
| L | QPSK | 1 | Max | 1 | 0 | 23.48 | 0.1143 |
| M | QPSK | 1 | Max | 1 | 0 | 23.28 | 0.1091 |
| H | QPSK | 1 | Max | 1 | 0 | 23.46 | 0.1138 |
| L | 16QAM | 1 | Max | 1 | 0 | 22.67 | 0.0948 |
| M | 16QAM | 1 | Max | 1 | 0 | 22.54 | 0.0920 |
| H | 16QAM | 1 | Max | 1 | 0 | 22.64 | 0.0942 |
| L | 64QAM | 1 | Max | 1 | 0 | 20.93 | 0.0635 |
| M | 64QAM | 1 | Max | 1 | 0 | 20.76 | 0.0611 |
| H | 64QAM | 1 | Max | 1 | 0 | 20.83 | 0.0621 |
| L | 256QAM | 1 | Max | 1 | 0 | 18.79 | 0.0388 |
| M | 256QAM | 1 | Max | 1 | 0 | 18.67 | 0.0378 |
| H | 256QAM | 1 | Max | 1 | 0 | 18.77 | 0.0386 |
| Combination 20MHz+15MHz (100RB+75RB) | | | | | | | |
| Channel | Modulation | PCC | | SCC | | Measured Power | EIRP(W) |
| | | RB Size | RB offset | RB Size | RB offset | | |
| L | QPSK | 1 | Max | 1 | 0 | 23.41 | 0.1125 |
| L | 16QAM | 1 | Max | 1 | 0 | 22.52 | 0.0916 |
| Combination 15MHz+20MHz (100RB+75RB) | | | | | | | |
| Channel | Modulation | PCC | | SCC | | Measured Power | EIRP(W) |
| | | RB Size | RB offset | RB Size | RB offset | | |
| L | QPSK | 1 | Max | 1 | 0 | 23.33 | 0.1104 |
| L | 16QAM | 1 | Max | 1 | 0 | 22.60 | 0.0933 |
| Combination 20MHz+10MHz (100RB+50RB) | | | | | | | |
| Channel | Modulation | PCC | | SCC | | Measured Power | EIRP(W) |
| | | RB Size | RB offset | RB Size | RB offset | | |
| L | QPSK | 1 | Max | 1 | 0 | 23.35 | 0.1109 |
| L | 16QAM | 1 | Max | 1 | 0 | 22.49 | 0.0910 |
| Combination 10MHz+20MHz (50RB+100RB) | | | | | | | |
| Channel | Modulation | PCC | | SCC | | Measured Power | EIRP(W) |
| | | RB Size | RB offset | RB Size | RB offset | | |
| L | QPSK | 1 | Max | 1 | 0 | 23.31 | 0.1099 |
| L | 16QAM | 1 | Max | 1 | 0 | 22.60 | 0.0933 |
| Combination 20MHz+5MHz (100RB+25RB) | | | | | | | |
| Channel | Modulation | PCC | | SCC | | Measured Power | EIRP(W) |
| | | RB Size | RB offset | RB Size | RB offset | | |
| L | QPSK | 1 | Max | 1 | 0 | 23.38 | 0.1117 |
| L | 16QAM | 1 | Max | 1 | 0 | 22.48 | 0.0908 |
| Combination 5MHz+20MHz (25RB+100RB) | | | | | | | |
| Channel | Modulation | PCC | | SCC | | Measured Power | EIRP(W) |
| | | RB Size | RB offset | RB Size | RB offset | | |
| L | QPSK | 1 | Max | 1 | 0 | 23.41 | 0.1125 |
| L | 16QAM | 1 | Max | 1 | 0 | 22.49 | 0.0910 |

# LTE Band 42

## Peak-to-Average Ratio

| Mode | LTE Band 42 / 20MHz | | | |
|---|---|---|---|---|
| Mod. | QPSK | 16QAM | 64QAM | Limit: 13dB |
| RB Size | Full RB | Full RB | Full RB | Result |
| Middle CH | 4.87 | 6.78 | 7.33 | PASS |

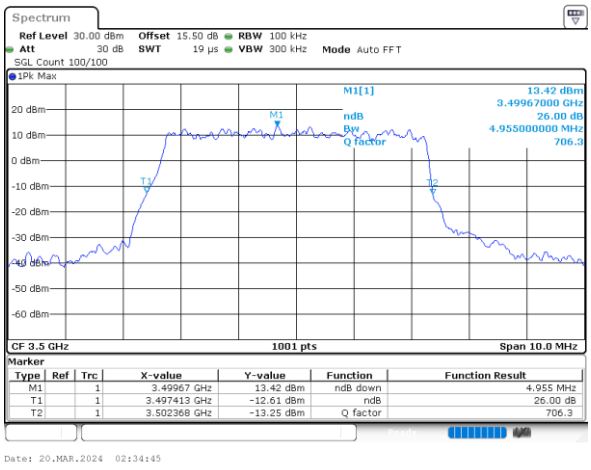
| LTE Band 42 / 20MHz / QPSK | LTE Band 42 / 20MHz / 16QAM |
|---|---|
| Middle Channel / Full RB | Middle Channel / Full RB |
|  |  |
| LTE Band 42 / 20MHz / 64QAM | |
| Middle Channel / Full RB | |
|  | |

# 26dB Bandwidth

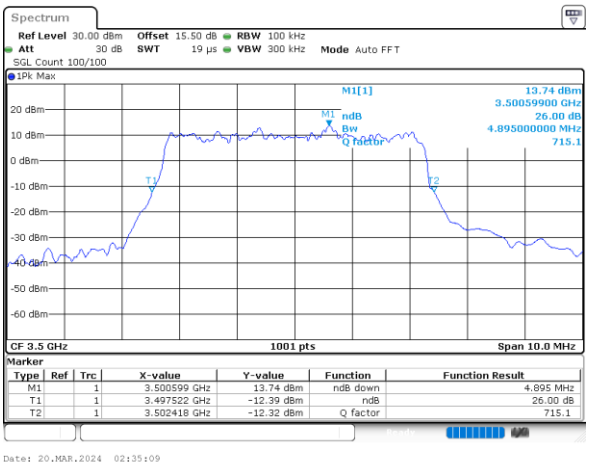
| Mode | LTE Band 42 : 26dB BW(MHz) | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Middle CH | 4.96 | 4.90 | 9.69 | 9.65 | 14.24 | 14.36 | 18.90 | 18.82 |

## LTE Band 42

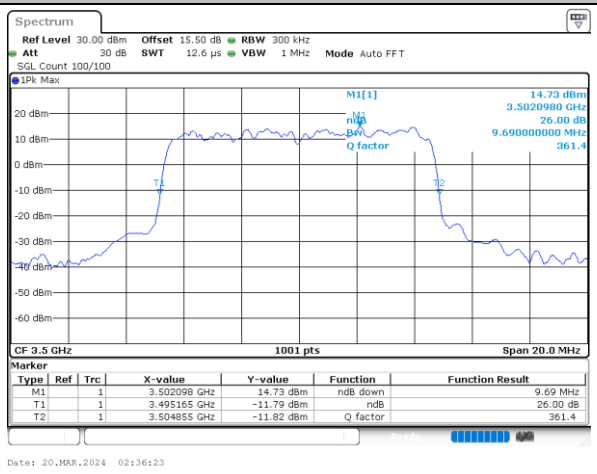
### Middle Channel / 5MHz / QPSK



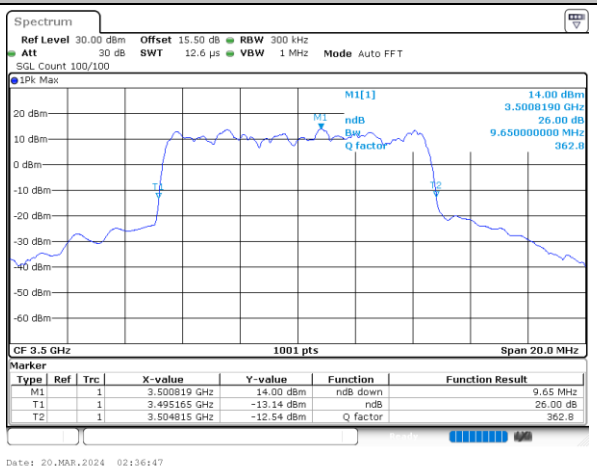

### Middle Channel / 5MHz / 16QAM




### Middle Channel / 10MHz / QPSK

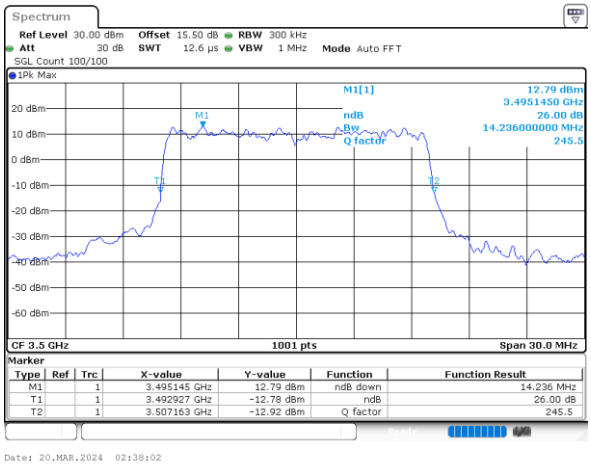



### Middle Channel / 10MHz / 16QAM

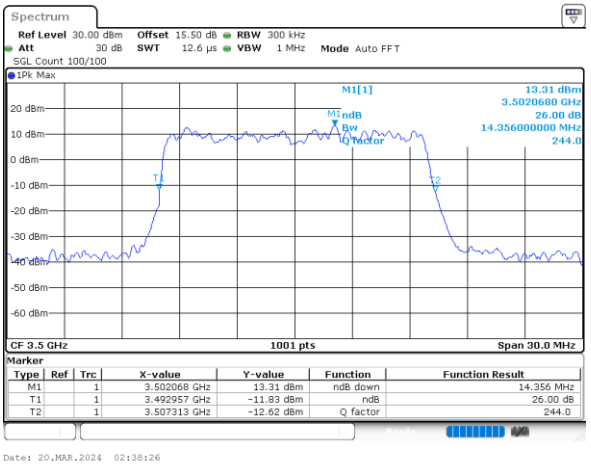


## LTE Band 42

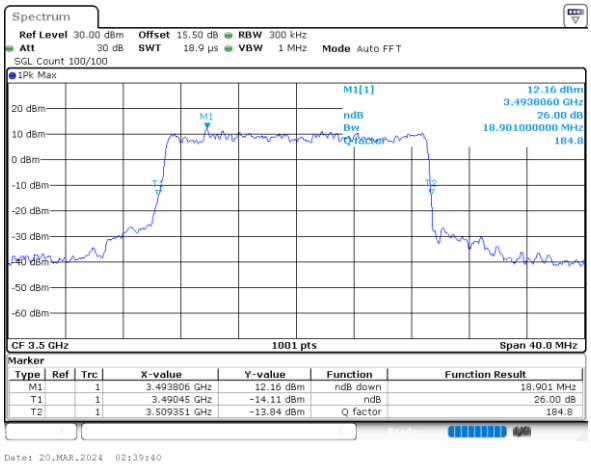
### Middle Channel / 15MHz / QPSK



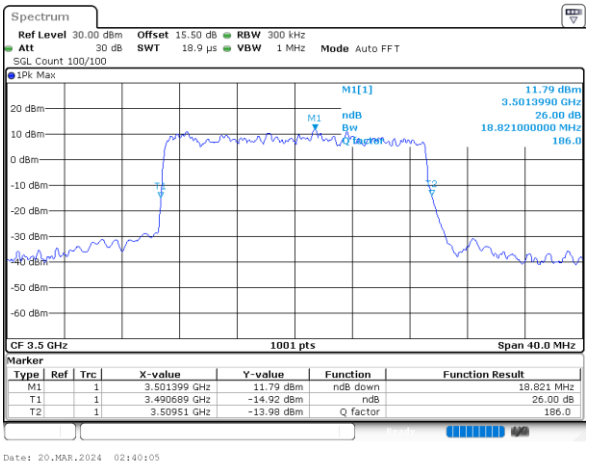

### Middle Channel / 15MHz / 16QAM




### Middle Channel / 20MHz / QPSK




### Middle Channel / 20MHz / 16QAM

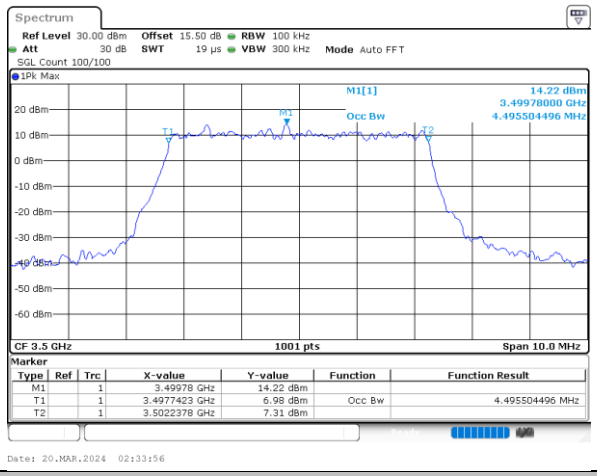


# Occupied Bandwidth

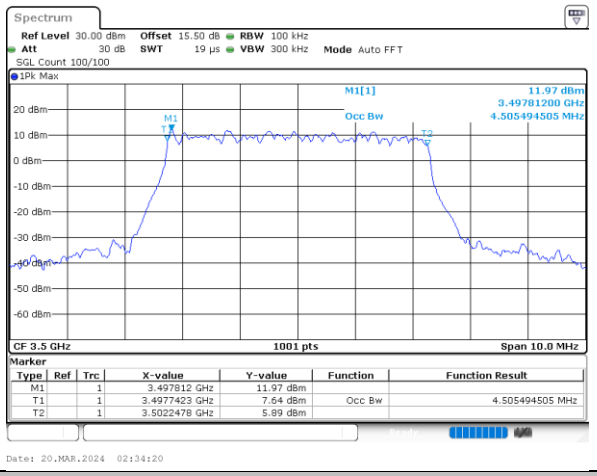
| Mode | LTE Band 42 : 99%OBW(MHz) | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Middle CH | 4.50 | 4.51 | 9.01 | 9.03 | 13.43 | 13.49 | 17.86 | 17.90 |

## LTE Band 42

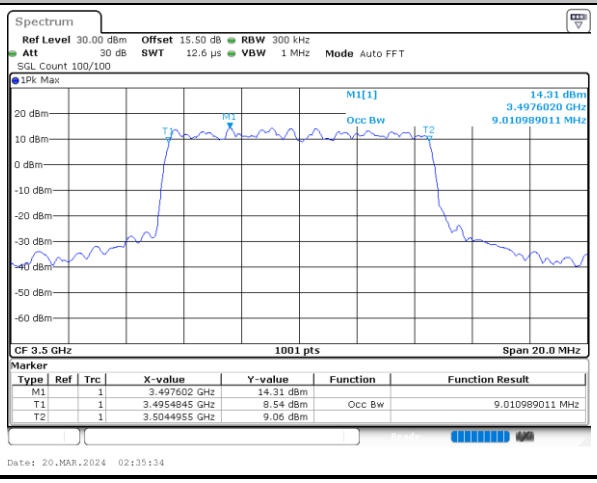
### Middle Channel / 5MHz / QPSK



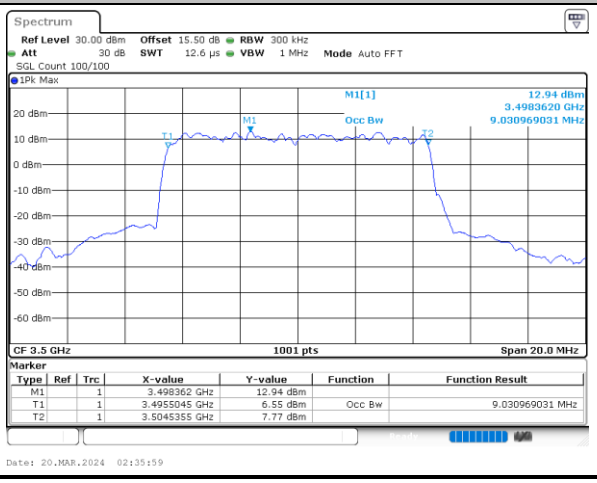

### Middle Channel / 5MHz / 16QAM




### Middle Channel / 10MHz / QPSK

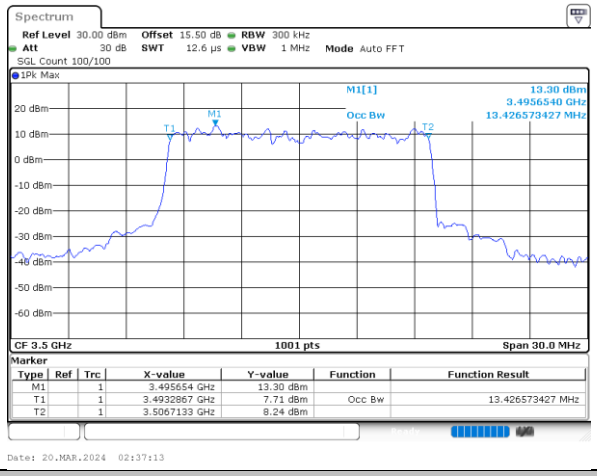



### Middle Channel / 10MHz / 16QAM

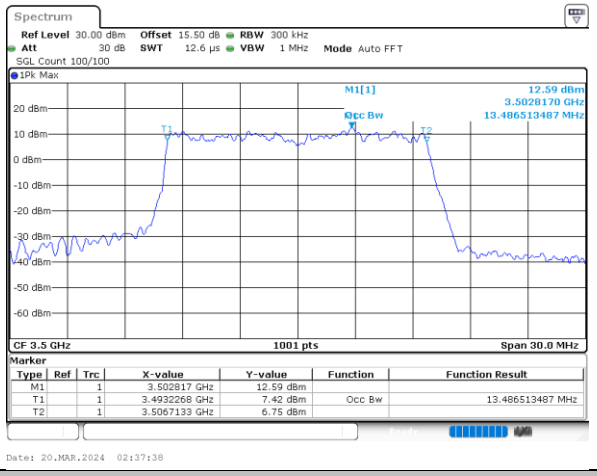


## LTE Band 42

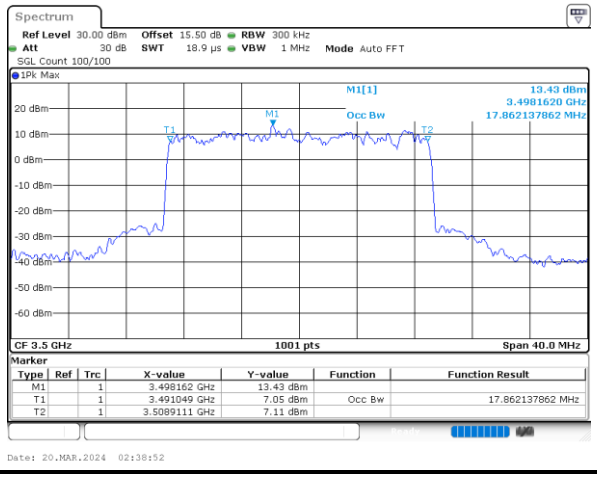
### Middle Channel / 15MHz / QPSK



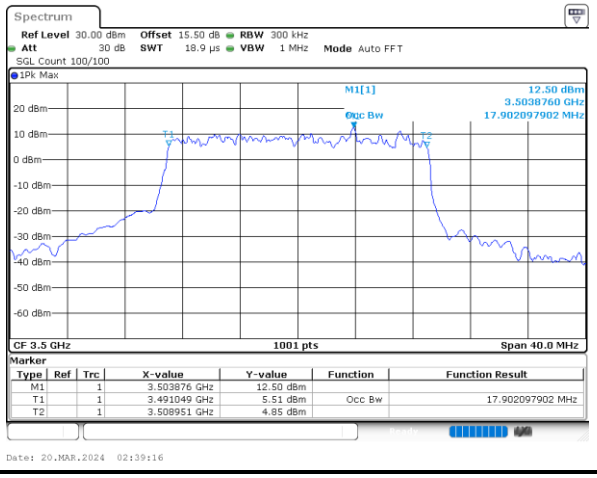

### Middle Channel / 15MHz / 16QAM




### Middle Channel / 20MHz / QPSK



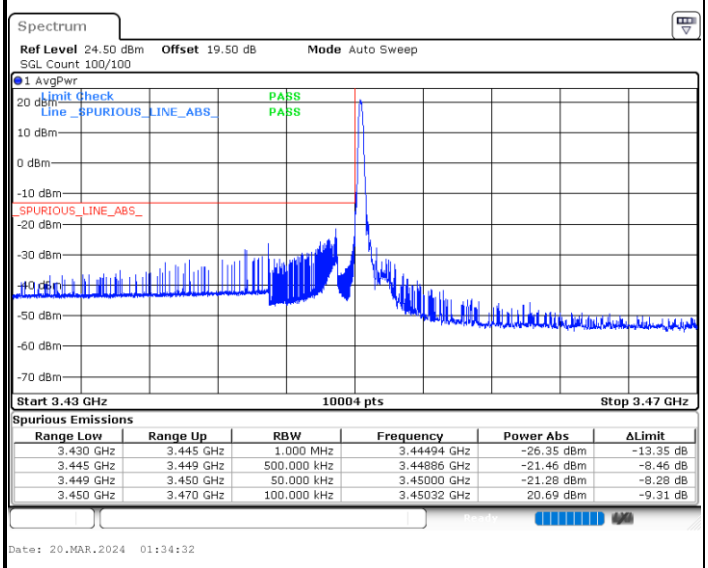

### Middle Channel / 20MHz / 16QAM



# Conducted Band Edge

## LTE Band 42 / 5MHz / QPSK

### Lowest Band Edge / 1 RB

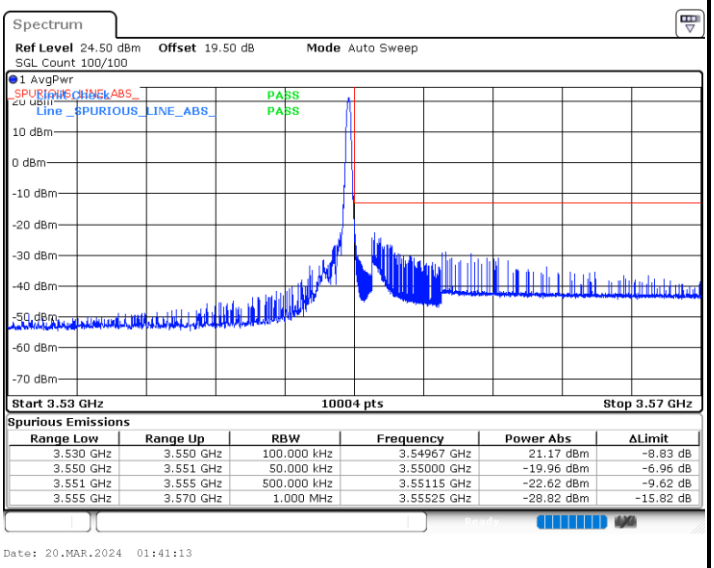



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44494 GHz | -26.35 dBm | -13.35 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44886 GHz | -21.46 dBm | -8.46 dB |
| 3.449 GHz | 3.450 GHz | 50.000 kHz | 3.45000 GHz | -21.28 dBm | -8.28 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.45032 GHz | 20.69 dBm | -9.31 dB |

Date: 20.MAR.2024 01:34:32

### Highest Band Edge / 1 RB

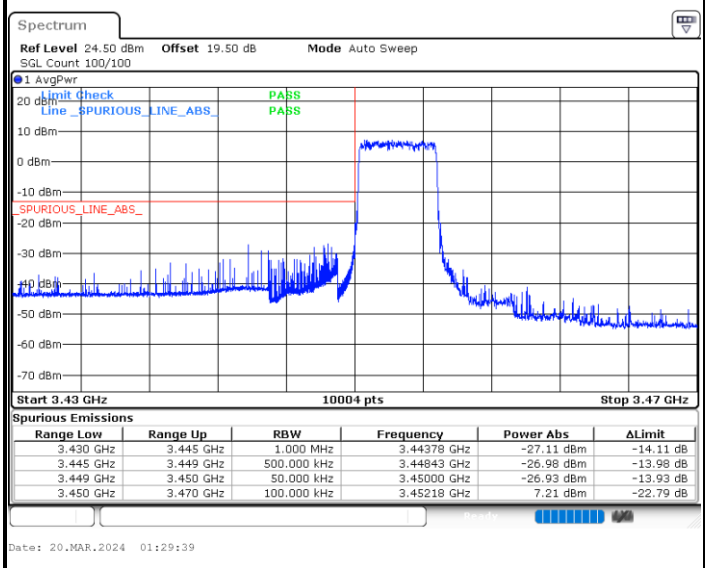



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.54967 GHz | 21.17 dBm | -8.83 dB |
| 3.550 GHz | 3.551 GHz | 50.000 kHz | 3.55000 GHz | -19.96 dBm | -6.96 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55115 GHz | -22.62 dBm | -9.62 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55525 GHz | -28.82 dBm | -15.82 dB |

Date: 20.MAR.2024 01:41:13

### Lowest Band Edge / Full RB

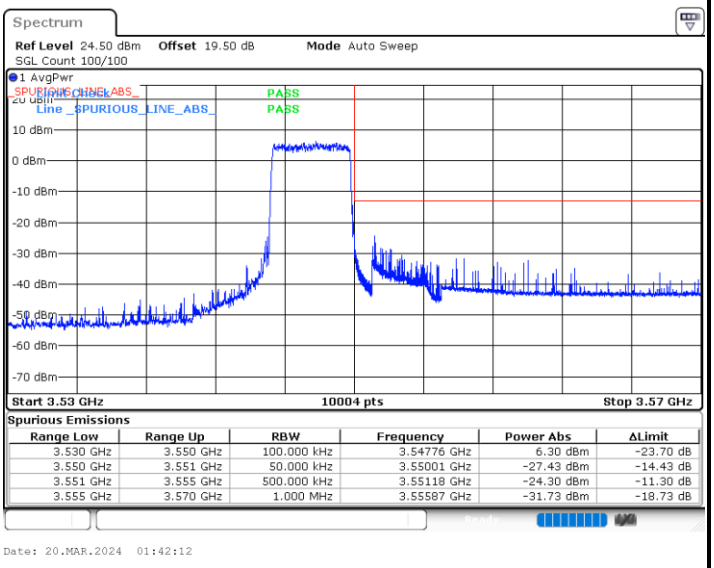



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44378 GHz | -27.11 dBm | -14.11 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44843 GHz | -26.98 dBm | -13.98 dB |
| 3.449 GHz | 3.450 GHz | 50.000 kHz | 3.45000 GHz | -26.93 dBm | -13.93 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.45218 GHz | 7.21 dBm | -22.79 dB |

Date: 20.MAR.2024 01:29:39

### Highest Band Edge / Full RB



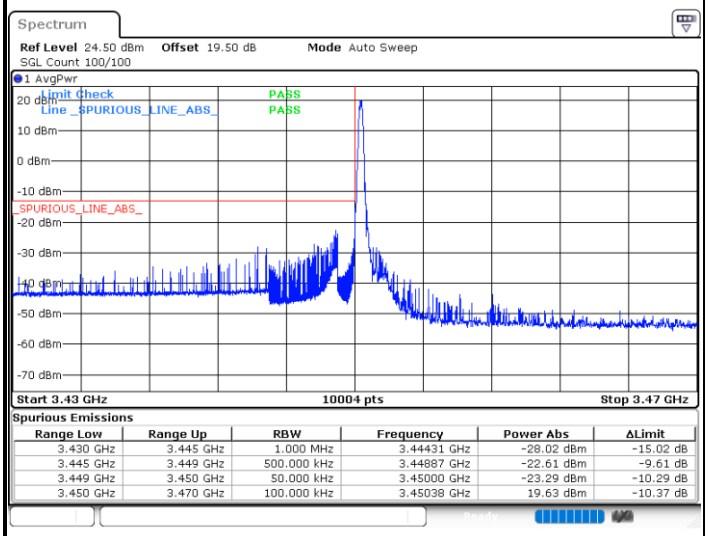

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.54776 GHz | 6.30 dBm | -23.70 dB |
| 3.550 GHz | 3.551 GHz | 50.000 kHz | 3.55001 GHz | -27.43 dBm | -14.43 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55118 GHz | -24.30 dBm | -11.30 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55587 GHz | -31.73 dBm | -18.73 dB |

Date: 20.MAR.2024 01:42:12

## LTE Band 42 / 5MHz / 16QAM

### Lowest Band Edge / 1RB

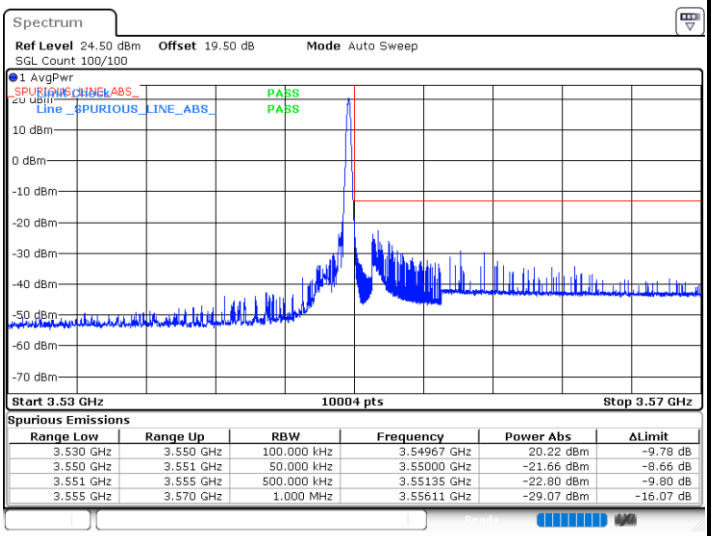



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44431 GHz | -28.02 dBm | -15.02 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44887 GHz | -22.61 dBm | -9.61 dB |
| 3.449 GHz | 3.450 GHz | 50.000 kHz | 3.45000 GHz | -23.29 dBm | -10.29 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.45038 GHz | 19.63 dBm | -10.37 dB |

Date: 20.MAR.2024 01:33:33

### Highest Band Edge / 1 RB

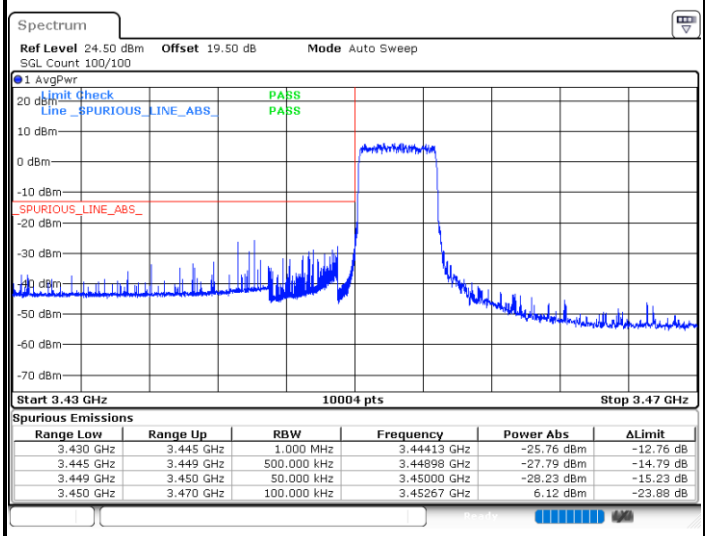



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.54967 GHz | 20.22 dBm | -9.78 dB |
| 3.550 GHz | 3.551 GHz | 50.000 kHz | 3.55000 GHz | -21.66 dBm | -8.66 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55135 GHz | -22.80 dBm | -9.80 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55611 GHz | -29.07 dBm | -16.07 dB |

Date: 20.MAR.2024 01:40:15

### Lowest Band Edge / Full RB

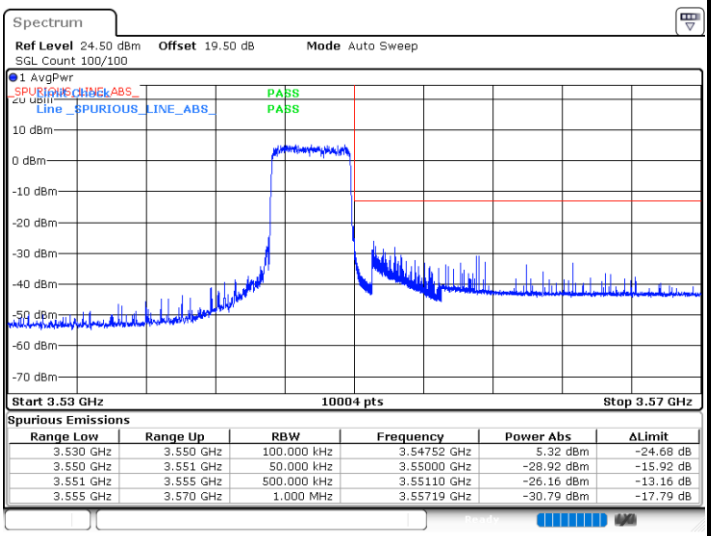



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44413 GHz | -25.76 dBm | -12.76 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44898 GHz | -27.79 dBm | -14.79 dB |
| 3.449 GHz | 3.450 GHz | 50.000 kHz | 3.45000 GHz | -28.23 dBm | -15.23 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.45267 GHz | 6.12 dBm | -23.88 dB |

Date: 20.MAR.2024 01:30:38

### Highest Band Edge / Full RB



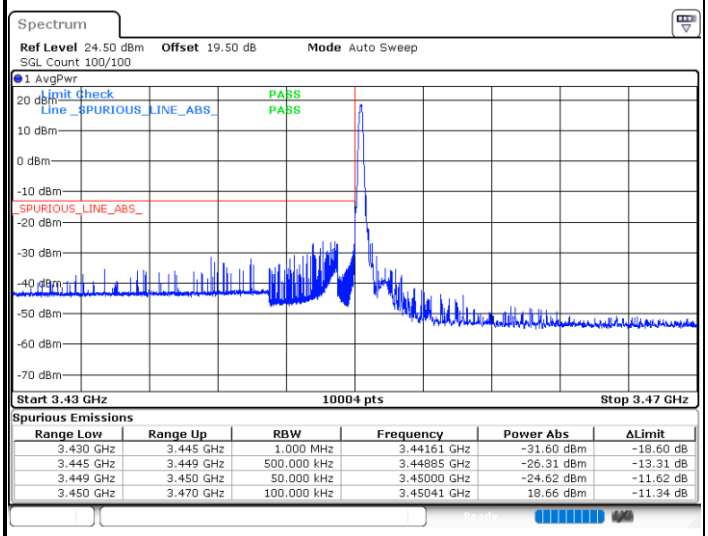

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.54752 GHz | 5.32 dBm | -24.68 dB |
| 3.550 GHz | 3.551 GHz | 50.000 kHz | 3.55000 GHz | -28.92 dBm | -15.92 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55110 GHz | -26.16 dBm | -13.16 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55719 GHz | -30.79 dBm | -17.79 dB |

Date: 20.MAR.2024 01:43:10

## LTE Band 42 / 5MHz / 64QAM

### Lowest Band Edge / 1RB

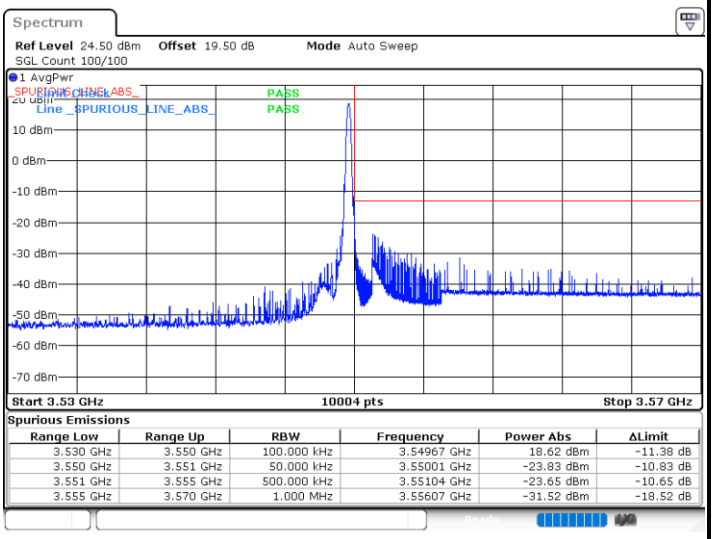



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44161 GHz | -31.60 dBm | -18.60 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44885 GHz | -26.31 dBm | -13.31 dB |
| 3.449 GHz | 3.450 GHz | 50.000 kHz | 3.45000 GHz | -24.62 dBm | -11.62 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.45041 GHz | 18.66 dBm | -11.34 dB |

Date: 20.MAR.2024 01:32:35

### Highest Band Edge / 1 RB

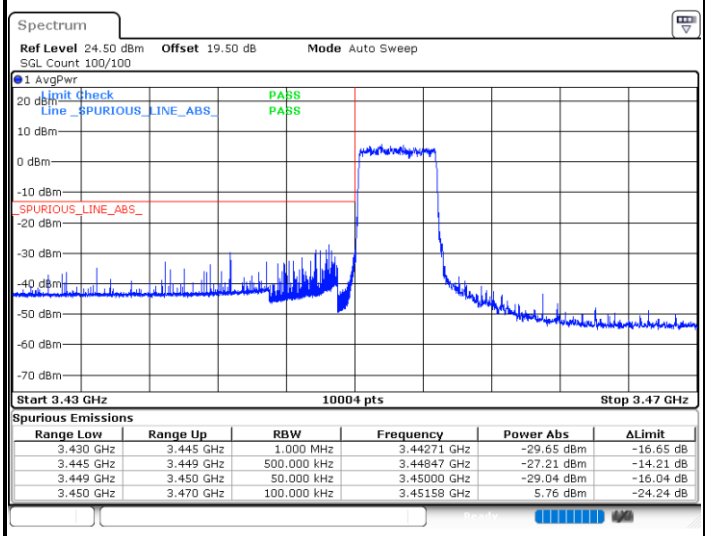



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.54967 GHz | 18.62 dBm | -11.38 dB |
| 3.550 GHz | 3.551 GHz | 50.000 kHz | 3.55001 GHz | -23.83 dBm | -10.83 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55104 GHz | -23.65 dBm | -10.65 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55607 GHz | -31.52 dBm | -18.52 dB |

Date: 20.MAR.2024 01:39:16

### Lowest Band Edge / Full RB

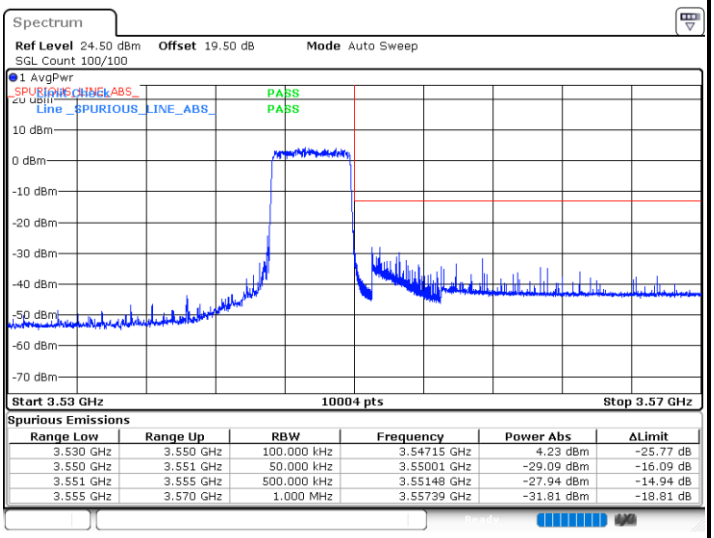



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44271 GHz | -29.65 dBm | -16.65 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44847 GHz | -27.21 dBm | -14.21 dB |
| 3.449 GHz | 3.450 GHz | 50.000 kHz | 3.45000 GHz | -29.04 dBm | -16.04 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.45158 GHz | 5.76 dBm | -24.24 dB |

Date: 20.MAR.2024 01:31:36

### Highest Band Edge / Full RB



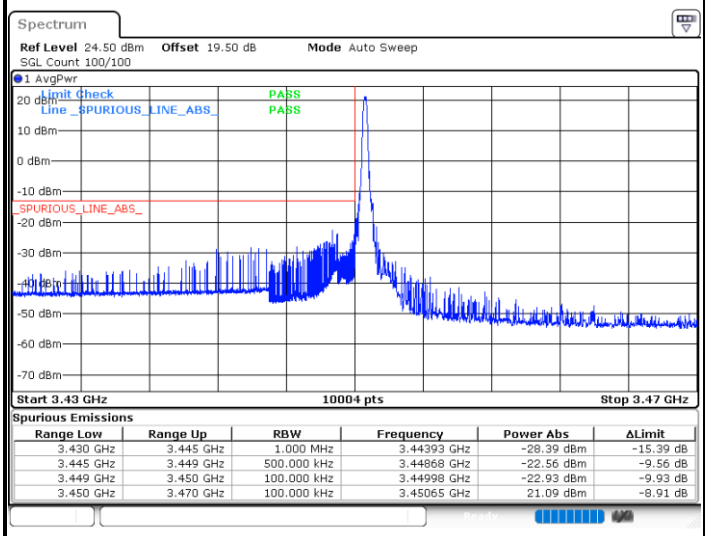

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.54715 GHz | 4.23 dBm | -25.77 dB |
| 3.550 GHz | 3.551 GHz | 50.000 kHz | 3.55001 GHz | -29.09 dBm | -16.09 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55148 GHz | -27.94 dBm | -14.94 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55739 GHz | -31.81 dBm | -18.81 dB |

Date: 20.MAR.2024 01:44:09

## LTE Band 42 / 10MHz / QPSK

### Lowest Band Edge / 1 RB

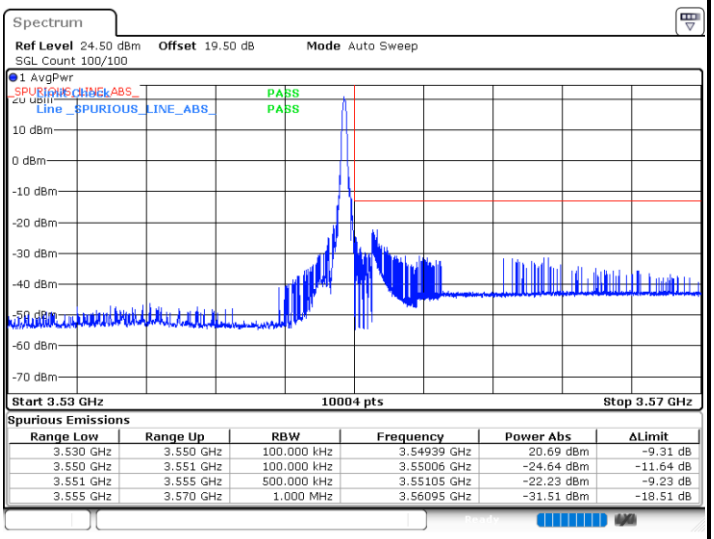



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44393 GHz | -28.39 dBm | -15.39 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44868 GHz | -22.56 dBm | -9.56 dB |
| 3.449 GHz | 3.450 GHz | 100.000 kHz | 3.44998 GHz | -22.93 dBm | -9.93 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.45065 GHz | 21.09 dBm | -8.91 dB |

Date: 20.MAR.2024 01:48:04

### Highest Band Edge / 1 RB

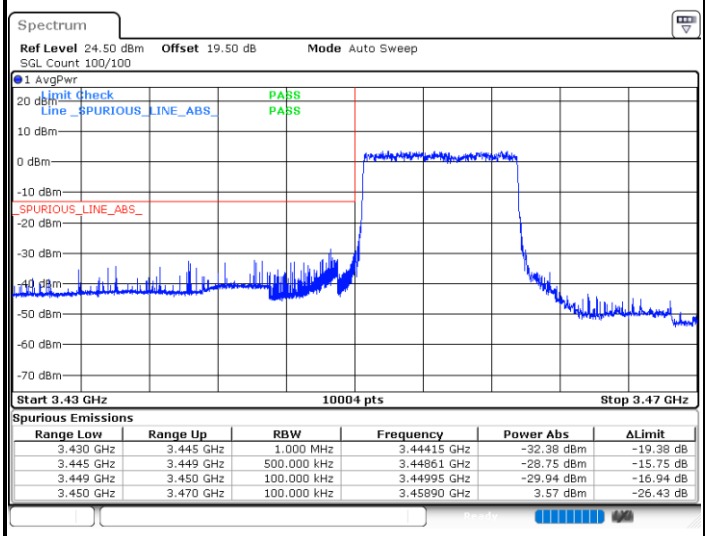



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.54939 GHz | 20.69 dBm | -9.31 dB |
| 3.550 GHz | 3.551 GHz | 100.000 kHz | 3.55006 GHz | -24.64 dBm | -11.64 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55105 GHz | -22.23 dBm | -9.23 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.56095 GHz | -31.51 dBm | -18.51 dB |

Date: 20.MAR.2024 01:54:55

### Lowest Band Edge / Full RB

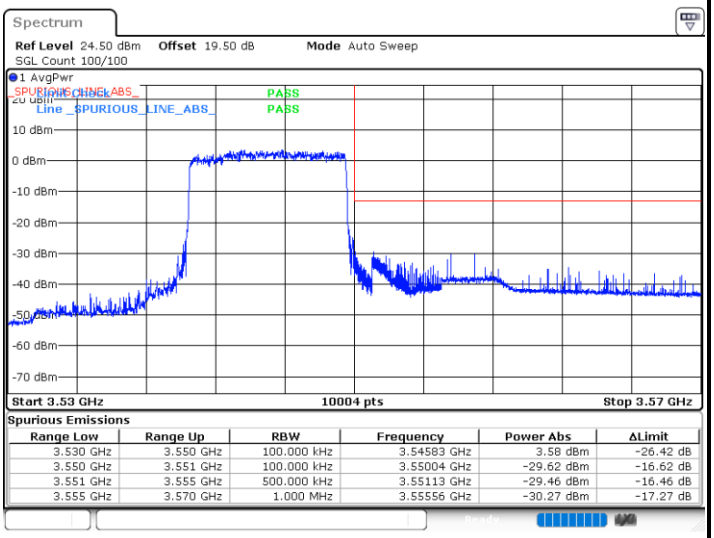



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44415 GHz | -32.38 dBm | -19.38 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44861 GHz | -28.75 dBm | -15.75 dB |
| 3.449 GHz | 3.450 GHz | 100.000 kHz | 3.44995 GHz | -29.94 dBm | -16.94 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.45890 GHz | 3.57 dBm | -26.43 dB |

Date: 20.MAR.2024 01:47:06

### Highest Band Edge / Full RB



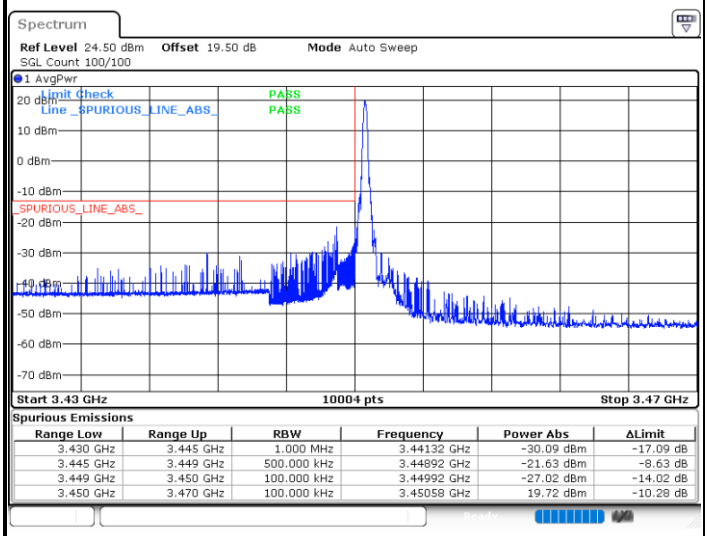

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.54583 GHz | 3.58 dBm | -26.42 dB |
| 3.550 GHz | 3.551 GHz | 100.000 kHz | 3.55004 GHz | -29.62 dBm | -16.62 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55113 GHz | -29.46 dBm | -16.46 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55556 GHz | -30.27 dBm | -17.27 dB |

Date: 20.MAR.2024 01:59:47

## LTE Band 42 / 10MHz / 16QAM

### Lowest Band Edge / 1RB

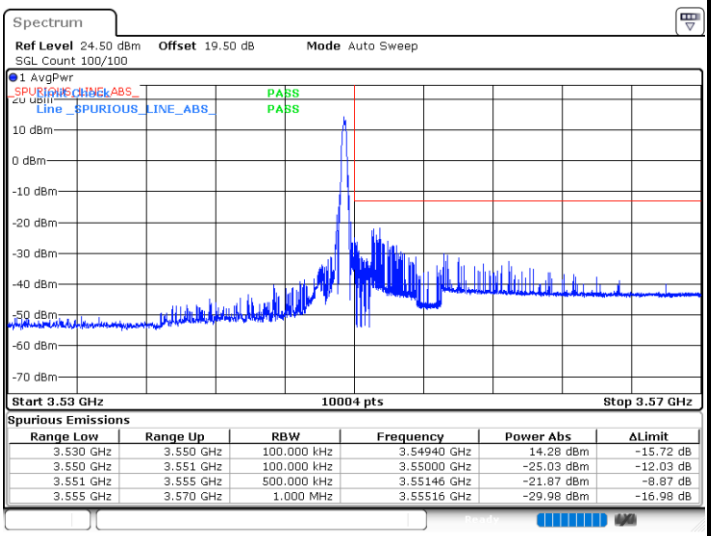



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44132 GHz | -30.09 dBm | -17.09 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44892 GHz | -21.63 dBm | -8.63 dB |
| 3.449 GHz | 3.450 GHz | 100.000 kHz | 3.44992 GHz | -27.02 dBm | -14.02 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.45058 GHz | 19.72 dBm | -10.28 dB |

Date: 20.MAR.2024 01:49:03

### Highest Band Edge / 1 RB

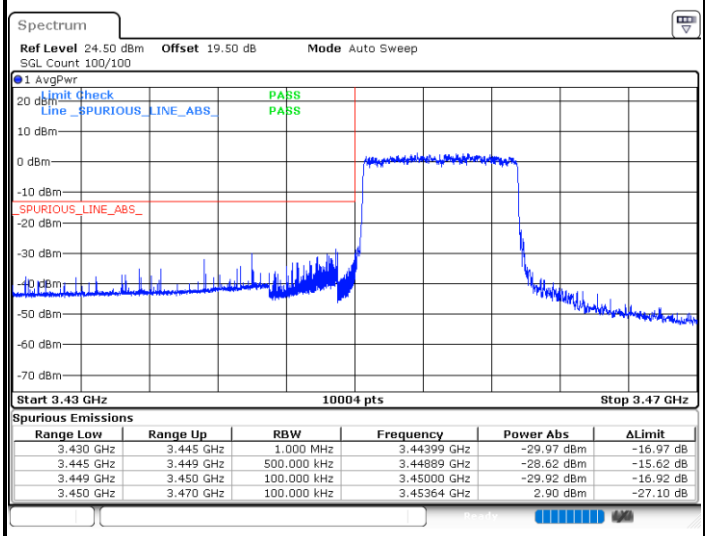



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.54940 GHz | 14.28 dBm | -15.72 dB |
| 3.550 GHz | 3.551 GHz | 100.000 kHz | 3.55000 GHz | -25.03 dBm | -12.03 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55146 GHz | -21.87 dBm | -8.87 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55516 GHz | -29.98 dBm | -16.98 dB |

Date: 20.MAR.2024 01:55:53

### Lowest Band Edge / Full RB

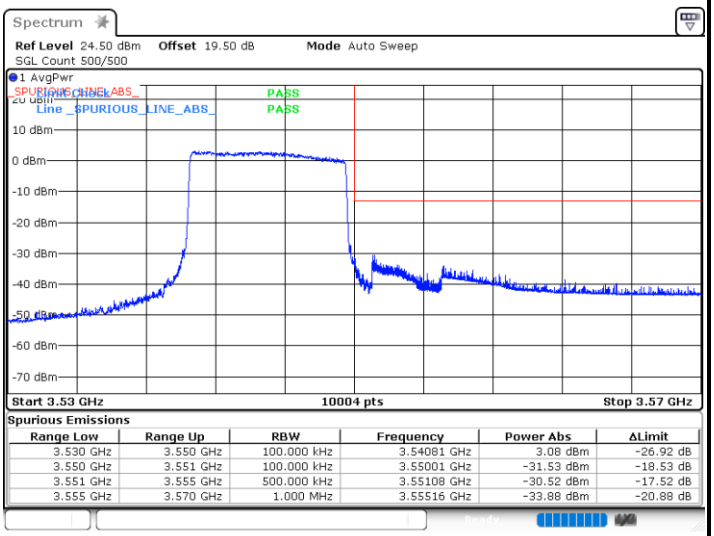



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44399 GHz | -29.97 dBm | -16.97 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44889 GHz | -28.62 dBm | -15.62 dB |
| 3.449 GHz | 3.450 GHz | 100.000 kHz | 3.45000 GHz | -29.92 dBm | -16.92 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.45364 GHz | 2.90 dBm | -27.10 dB |

Date: 20.MAR.2024 01:46:07

### Highest Band Edge / Full RB



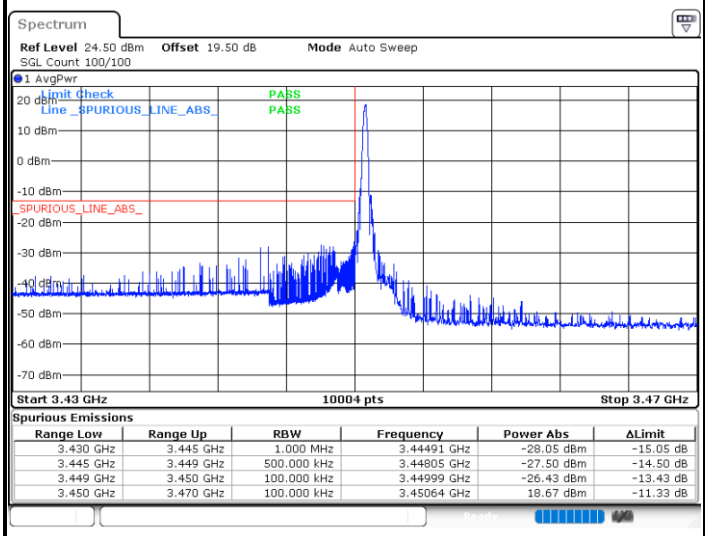

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.54081 GHz | 3.08 dBm | -26.92 dB |
| 3.550 GHz | 3.551 GHz | 100.000 kHz | 3.55001 GHz | -31.53 dBm | -18.53 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55108 GHz | -30.52 dBm | -17.52 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55516 GHz | -33.88 dBm | -20.88 dB |

Date: 20.MAR.2024 04:20:26

## LTE Band 42 / 10MHz / 64QAM

### Lowest Band Edge / 1RB

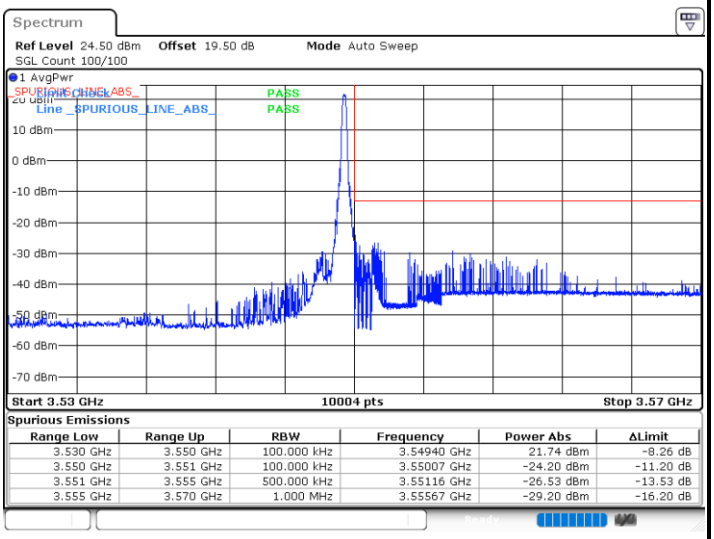



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44491 GHz | -28.05 dBm | -15.05 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44805 GHz | -27.50 dBm | -14.50 dB |
| 3.449 GHz | 3.450 GHz | 100.000 kHz | 3.44999 GHz | -26.43 dBm | -13.43 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.45064 GHz | 18.67 dBm | -11.33 dB |

Date: 20.MAR.2024 01:50:01

### Highest Band Edge / 1 RB

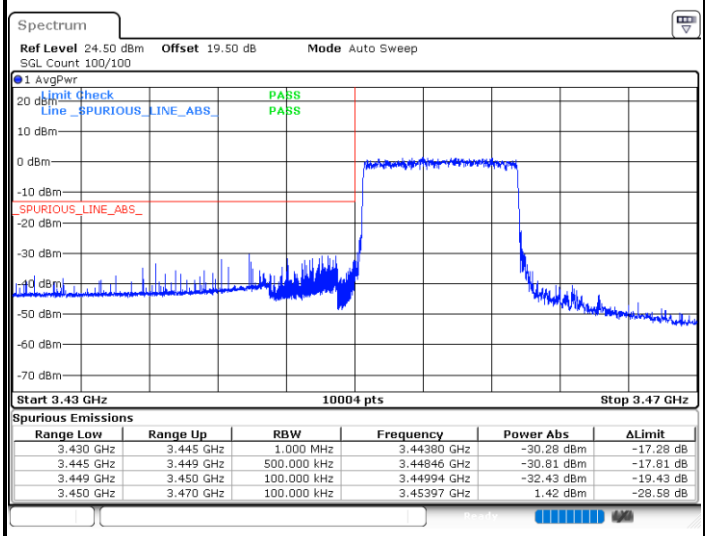



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.54940 GHz | 21.74 dBm | -8.26 dB |
| 3.550 GHz | 3.551 GHz | 100.000 kHz | 3.55007 GHz | -24.20 dBm | -11.20 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55116 GHz | -26.53 dBm | -13.53 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55567 GHz | -29.20 dBm | -16.20 dB |

Date: 20.MAR.2024 01:56:51

### Lowest Band Edge / Full RB

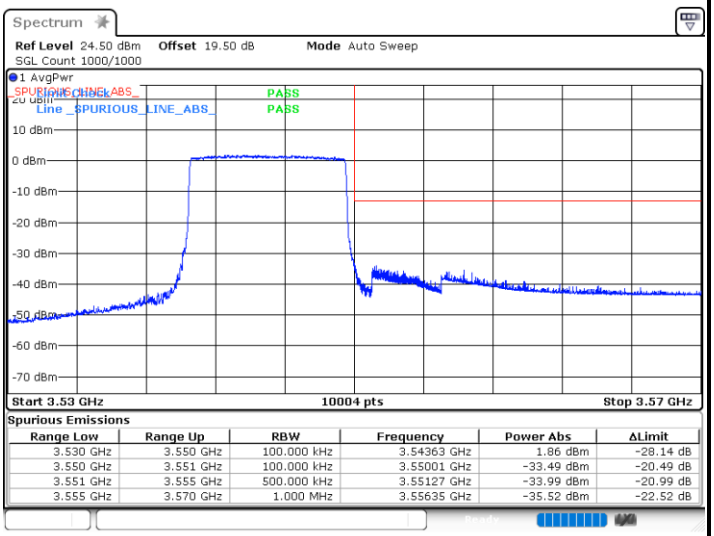



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44380 GHz | -30.28 dBm | -17.28 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44846 GHz | -30.81 dBm | -17.81 dB |
| 3.449 GHz | 3.450 GHz | 100.000 kHz | 3.44994 GHz | -32.43 dBm | -19.43 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.45397 GHz | 1.42 dBm | -28.58 dB |

Date: 20.MAR.2024 01:45:09

### Highest Band Edge / Full RB



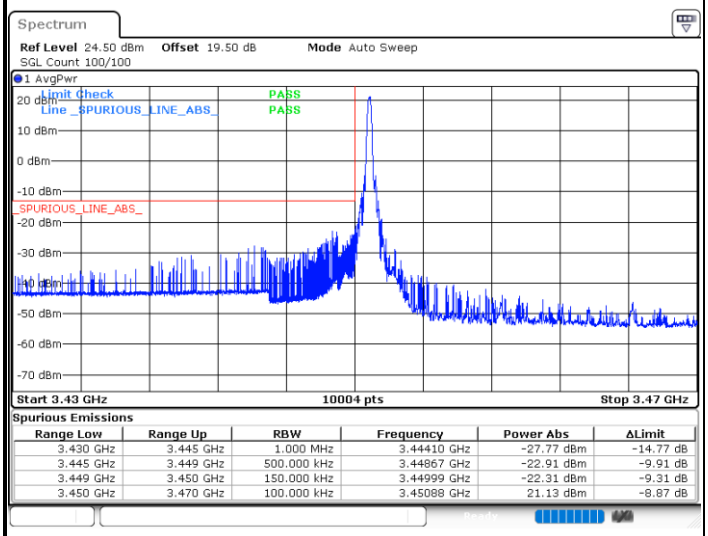

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.54363 GHz | 1.86 dBm | -28.14 dB |
| 3.550 GHz | 3.551 GHz | 100.000 kHz | 3.55001 GHz | -33.49 dBm | -20.49 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55127 GHz | -33.99 dBm | -20.99 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55635 GHz | -35.52 dBm | -22.52 dB |

Date: 20.MAR.2024 04:18:42

## LTE Band 42 / 15MHz / QPSK

### Lowest Band Edge / 1 RB

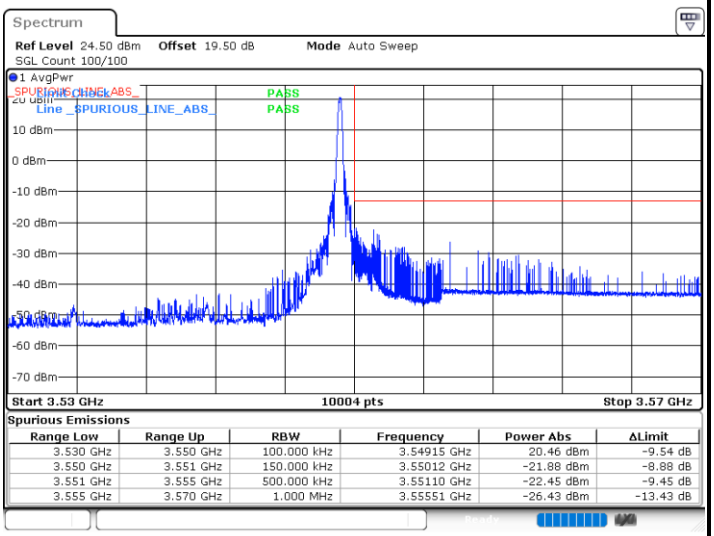



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44410 GHz | -27.77 dBm | -14.77 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44867 GHz | -22.91 dBm | -9.91 dB |
| 3.449 GHz | 3.450 GHz | 150.000 kHz | 3.44999 GHz | -22.31 dBm | -9.31 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.45088 GHz | 21.13 dBm | -8.87 dB |

Date: 20.MAR.2024 02:05:39

### Highest Band Edge / 1 RB

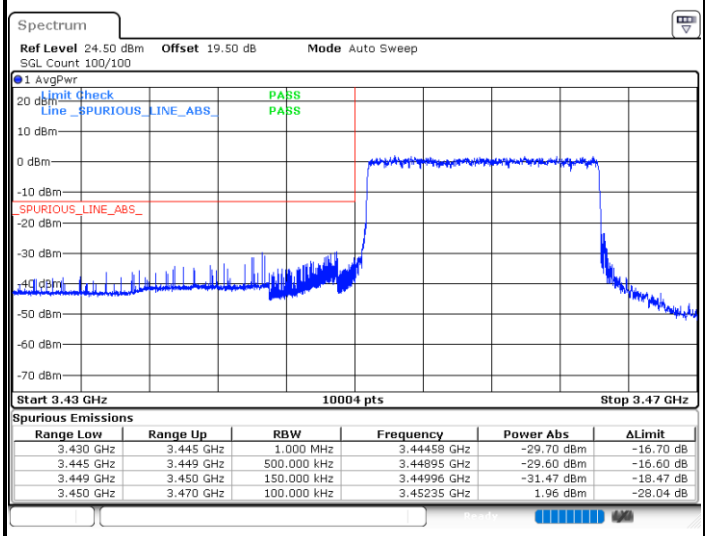



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.54915 GHz | 20.46 dBm | -9.54 dB |
| 3.550 GHz | 3.551 GHz | 150.000 kHz | 3.55012 GHz | -21.88 dBm | -8.88 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55110 GHz | -22.45 dBm | -9.45 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55551 GHz | -26.43 dBm | -13.43 dB |

Date: 20.MAR.2024 02:12:20

### Lowest Band Edge / Full RB

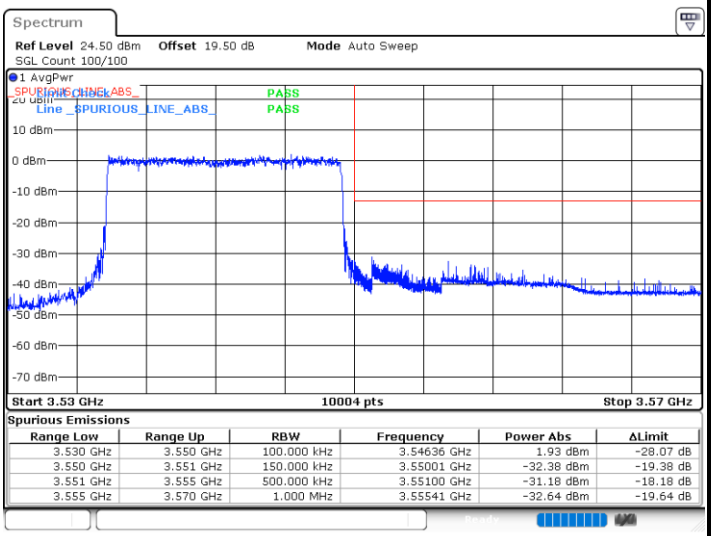



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44458 GHz | -29.70 dBm | -16.70 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44895 GHz | -29.60 dBm | -16.60 dB |
| 3.449 GHz | 3.450 GHz | 150.000 kHz | 3.44996 GHz | -31.47 dBm | -18.47 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.45235 GHz | 1.96 dBm | -28.04 dB |

Date: 20.MAR.2024 02:00:46

### Highest Band Edge / Full RB



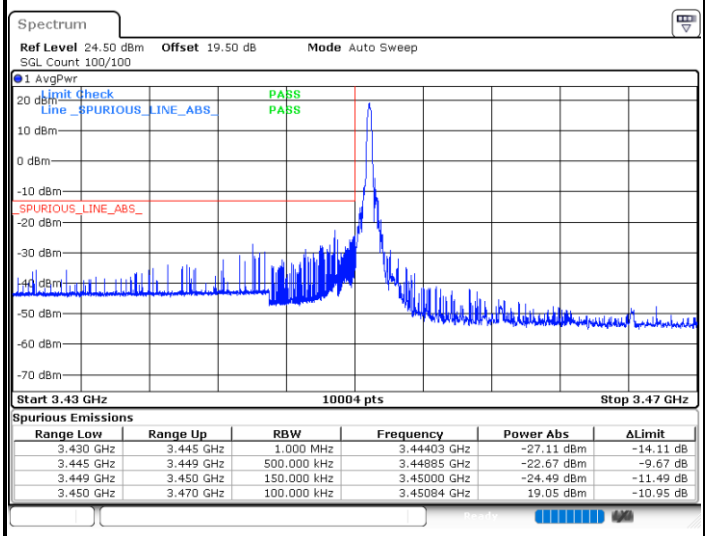

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.54636 GHz | 1.93 dBm | -28.07 dB |
| 3.550 GHz | 3.551 GHz | 150.000 kHz | 3.55001 GHz | -32.38 dBm | -19.38 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55100 GHz | -31.18 dBm | -18.18 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55541 GHz | -32.64 dBm | -19.64 dB |

Date: 20.MAR.2024 02:13:18

## LTE Band 42 / 15MHz / 16QAM

### Lowest Band Edge / 1RB

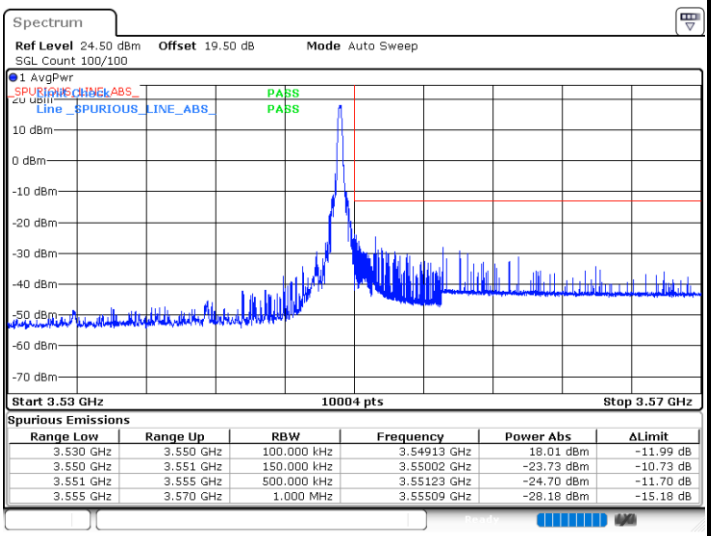



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44403 GHz | -27.11 dBm | -14.11 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44885 GHz | -22.67 dBm | -9.67 dB |
| 3.449 GHz | 3.450 GHz | 150.000 kHz | 3.45000 GHz | -24.49 dBm | -11.49 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.45084 GHz | 19.05 dBm | -10.95 dB |

Date: 20.MAR.2024 02:04:40

### Highest Band Edge / 1 RB

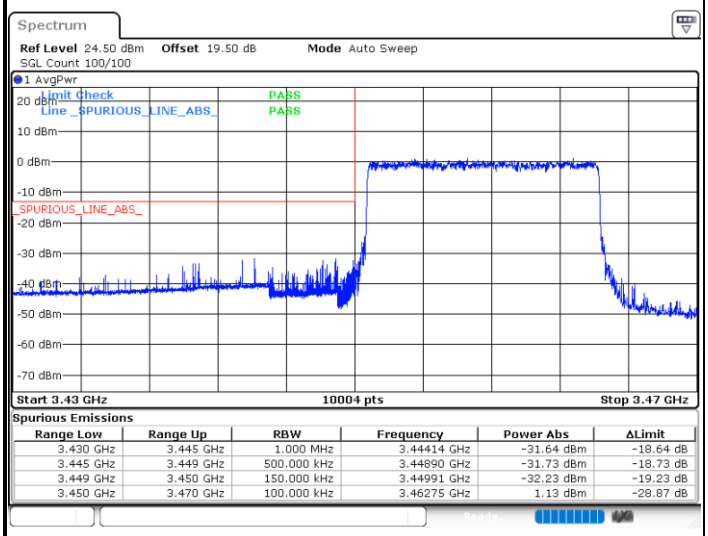



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.54913 GHz | 18.01 dBm | -11.99 dB |
| 3.550 GHz | 3.551 GHz | 150.000 kHz | 3.55002 GHz | -23.73 dBm | -10.73 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55123 GHz | -24.70 dBm | -11.70 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55509 GHz | -28.18 dBm | -15.18 dB |

Date: 20.MAR.2024 02:11:21

### Lowest Band Edge / Full RB

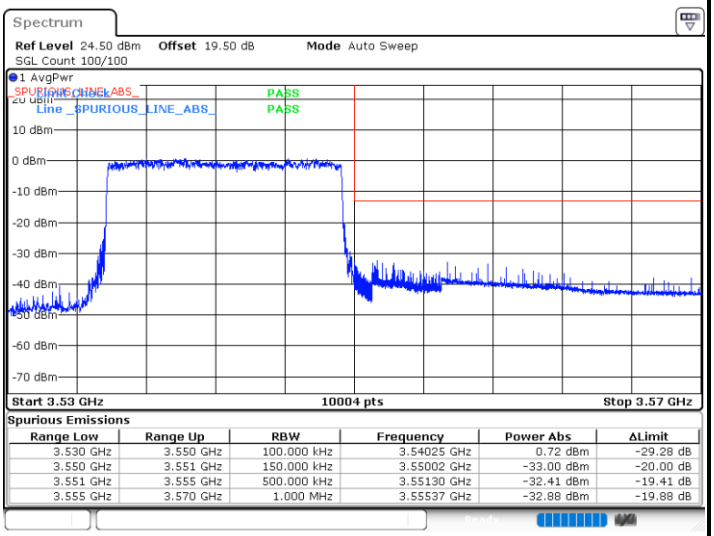



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44414 GHz | -31.64 dBm | -18.64 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44890 GHz | -31.73 dBm | -18.73 dB |
| 3.449 GHz | 3.450 GHz | 150.000 kHz | 3.44991 GHz | -32.23 dBm | -19.23 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.46275 GHz | 1.13 dBm | -28.87 dB |

Date: 20.MAR.2024 02:01:45

### Highest Band Edge / Full RB



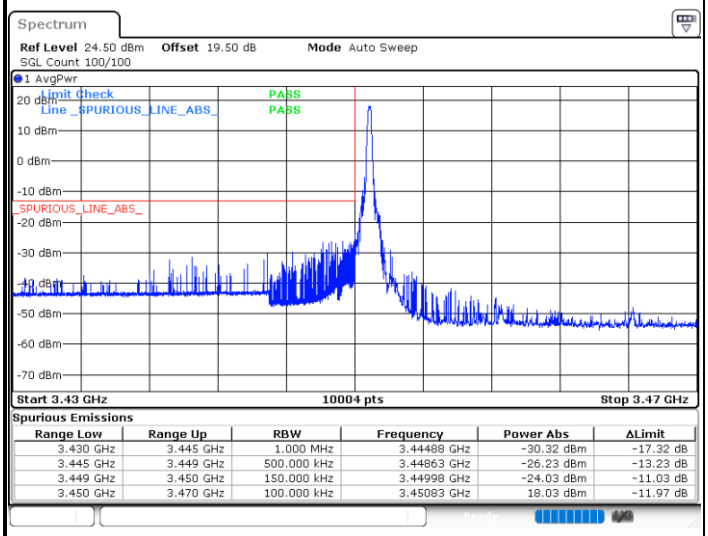

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.54025 GHz | 0.72 dBm | -29.28 dB |
| 3.550 GHz | 3.551 GHz | 150.000 kHz | 3.55002 GHz | -33.00 dBm | -20.00 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55130 GHz | -32.41 dBm | -19.41 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55537 GHz | -32.88 dBm | -19.88 dB |

Date: 20.MAR.2024 02:14:17

## LTE Band 42 / 15MHz / 64QAM

### Lowest Band Edge / 1RB

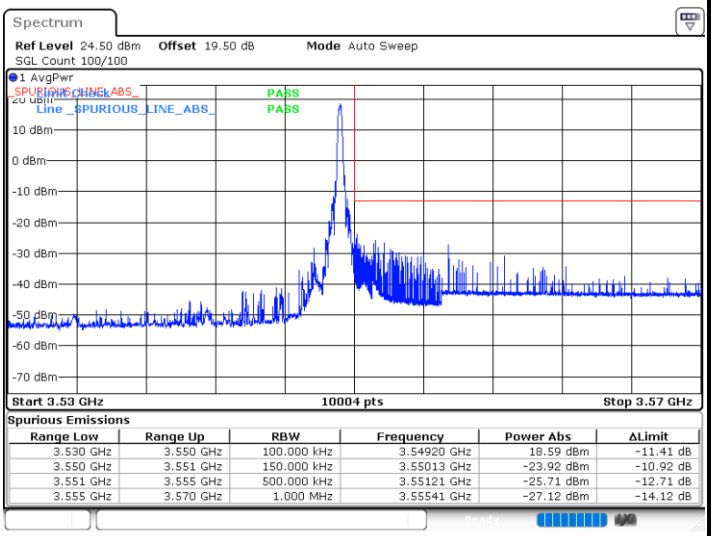



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44488 GHz | -30.32 dBm | -17.32 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44863 GHz | -26.23 dBm | -13.23 dB |
| 3.449 GHz | 3.450 GHz | 150.000 kHz | 3.44998 GHz | -24.03 dBm | -11.03 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.45083 GHz | 18.03 dBm | -11.97 dB |

Date: 20.MAR.2024 02:03:42

### Highest Band Edge / 1 RB

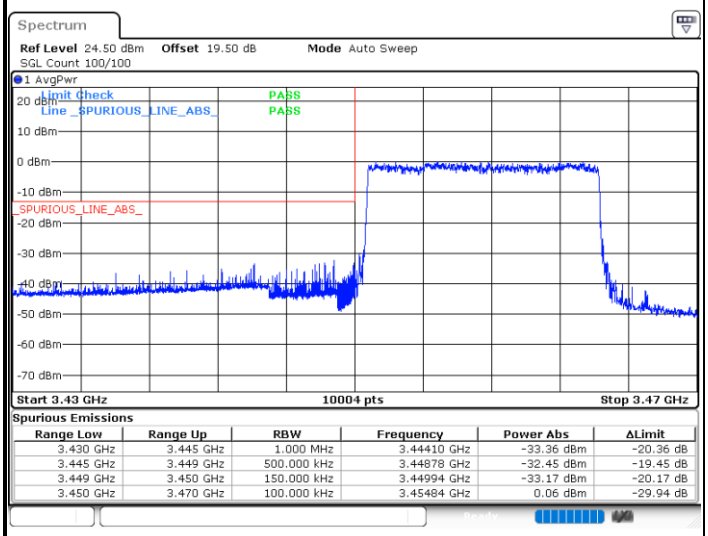



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.54920 GHz | 18.59 dBm | -11.41 dB |
| 3.550 GHz | 3.551 GHz | 150.000 kHz | 3.55013 GHz | -23.92 dBm | -10.92 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55121 GHz | -25.71 dBm | -12.71 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55541 GHz | -27.12 dBm | -14.12 dB |

Date: 20.MAR.2024 02:10:23

### Lowest Band Edge / Full RB

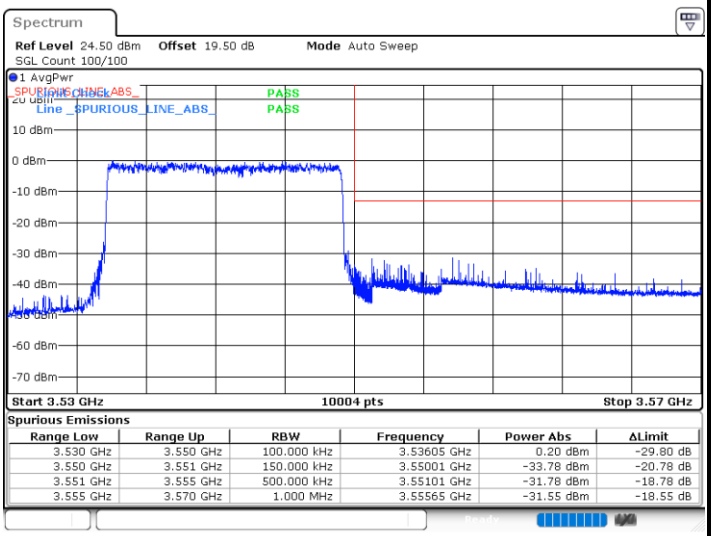



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44410 GHz | -33.36 dBm | -20.36 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44878 GHz | -32.45 dBm | -19.45 dB |
| 3.449 GHz | 3.450 GHz | 150.000 kHz | 3.44994 GHz | -33.17 dBm | -20.17 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.45484 GHz | 0.06 dBm | -29.94 dB |

Date: 20.MAR.2024 02:02:43

### Highest Band Edge / Full RB



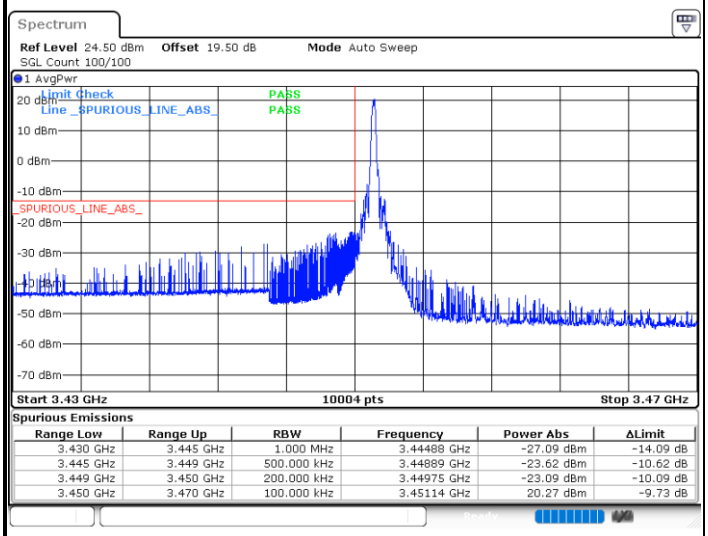

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.53605 GHz | 0.20 dBm | -29.80 dB |
| 3.550 GHz | 3.551 GHz | 150.000 kHz | 3.55001 GHz | -33.78 dBm | -20.78 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55101 GHz | -31.78 dBm | -18.78 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55565 GHz | -31.55 dBm | -18.55 dB |

Date: 20.MAR.2024 02:15:15

## LTE Band 42 / 20MHz / QPSK

### Lowest Band Edge / 1 RB

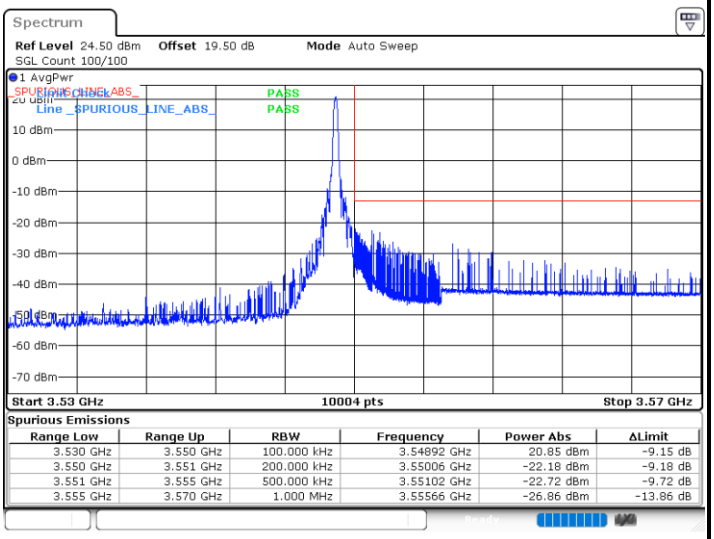



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44488 GHz | -27.09 dBm | -14.09 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44889 GHz | -23.62 dBm | -10.62 dB |
| 3.449 GHz | 3.450 GHz | 200.000 kHz | 3.44975 GHz | -23.09 dBm | -10.09 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.45114 GHz | 20.27 dBm | -9.73 dB |

Date: 20.MAR.2024 02:19:10

### Highest Band Edge / 1 RB

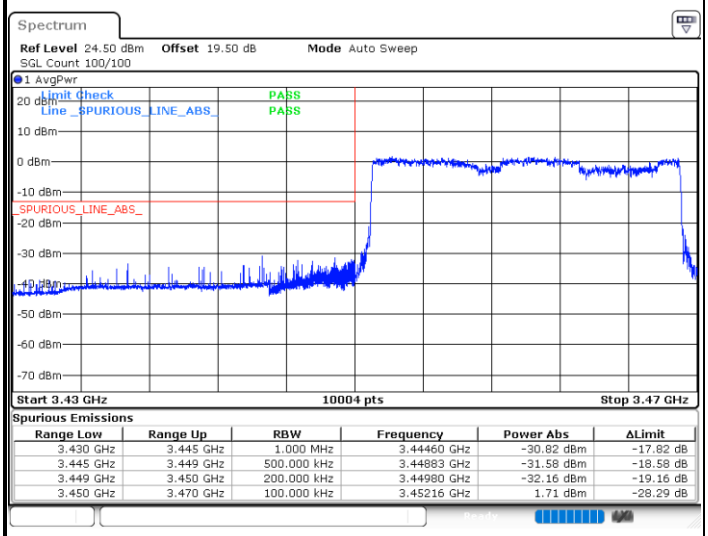



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.54892 GHz | 20.85 dBm | -9.15 dB |
| 3.550 GHz | 3.551 GHz | 200.000 kHz | 3.55006 GHz | -22.18 dBm | -9.18 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55102 GHz | -22.72 dBm | -9.72 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55566 GHz | -26.86 dBm | -13.86 dB |

Date: 20.MAR.2024 02:23:54

### Lowest Band Edge / Full RB

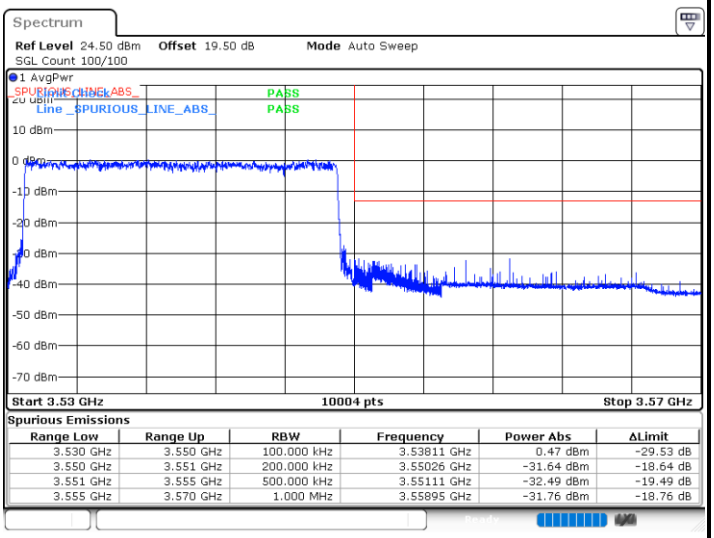



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44460 GHz | -30.82 dBm | -17.82 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44883 GHz | -31.58 dBm | -18.58 dB |
| 3.449 GHz | 3.450 GHz | 200.000 kHz | 3.44980 GHz | -32.16 dBm | -19.16 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.45216 GHz | 1.71 dBm | -28.29 dB |

Date: 20.MAR.2024 02:18:12

### Highest Band Edge / Full RB



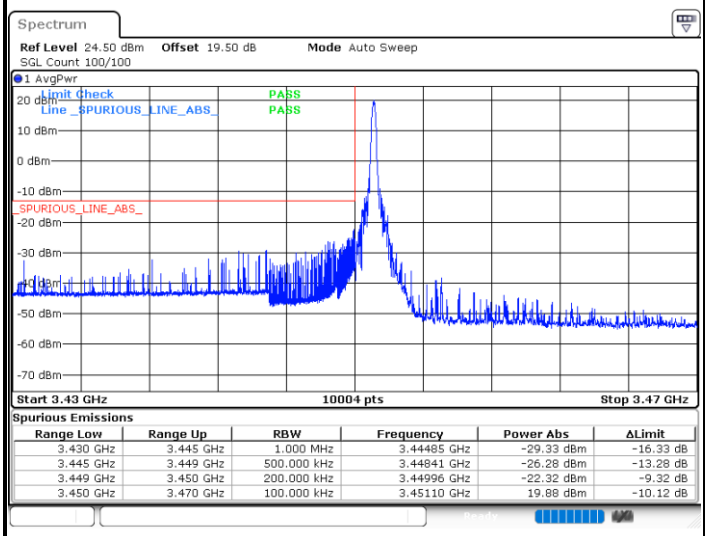

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.53811 GHz | 0.47 dBm | -29.53 dB |
| 3.550 GHz | 3.551 GHz | 200.000 kHz | 3.55026 GHz | -31.64 dBm | -18.64 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55111 GHz | -32.49 dBm | -19.49 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55895 GHz | -31.76 dBm | -18.76 dB |

Date: 20.MAR.2024 02:28:46

## LTE Band 42 / 20MHz / 16QAM

### Lowest Band Edge / 1RB

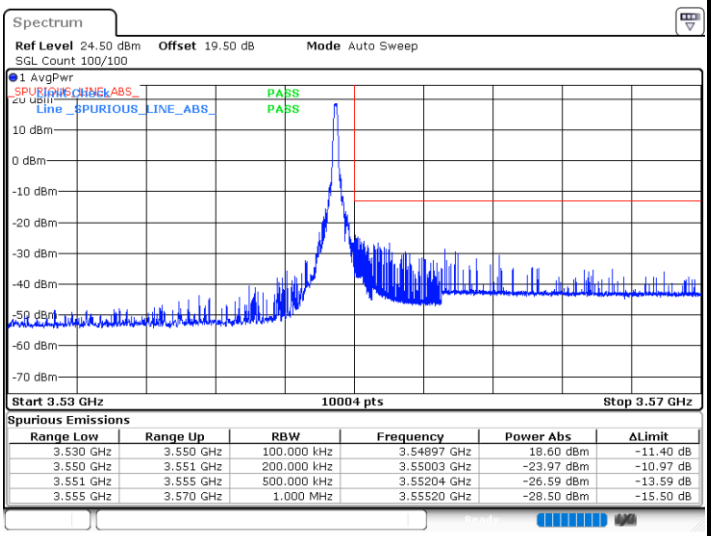



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44485 GHz | -29.33 dBm | -16.33 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44841 GHz | -26.28 dBm | -13.28 dB |
| 3.449 GHz | 3.450 GHz | 200.000 kHz | 3.44996 GHz | -22.32 dBm | -9.32 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.45110 GHz | 19.88 dBm | -10.12 dB |

Date: 20.MAR.2024 02:30:47

### Highest Band Edge / 1 RB

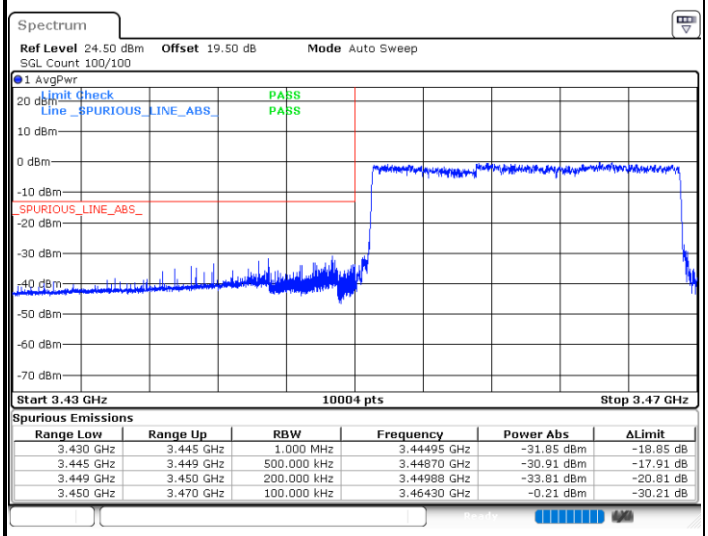



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.54897 GHz | 18.60 dBm | -11.40 dB |
| 3.550 GHz | 3.551 GHz | 200.000 kHz | 3.55003 GHz | -23.97 dBm | -10.97 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55204 GHz | -26.59 dBm | -13.59 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55520 GHz | -28.50 dBm | -15.50 dB |

Date: 20.MAR.2024 02:24:52

### Lowest Band Edge / Full RB

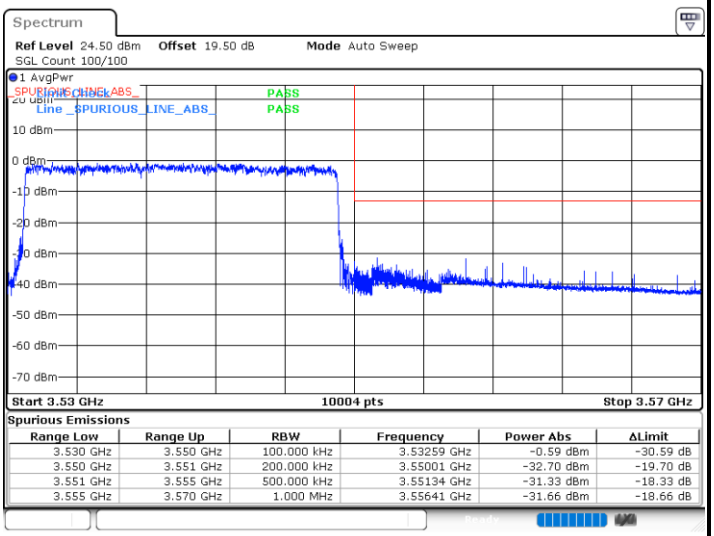



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44495 GHz | -31.85 dBm | -18.85 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44870 GHz | -30.91 dBm | -17.91 dB |
| 3.449 GHz | 3.450 GHz | 200.000 kHz | 3.44988 GHz | -33.81 dBm | -20.81 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.46430 GHz | -0.21 dBm | -30.21 dB |

Date: 20.MAR.2024 02:17:13

### Highest Band Edge / Full RB



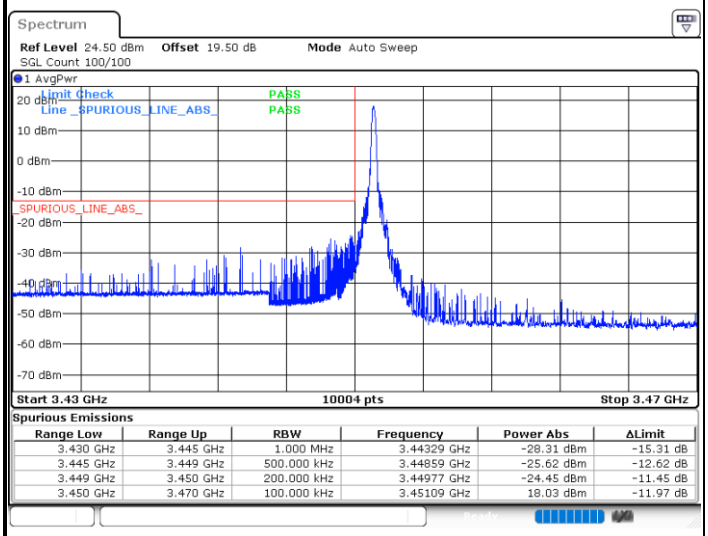

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.53259 GHz | -0.59 dBm | -30.59 dB |
| 3.550 GHz | 3.551 GHz | 200.000 kHz | 3.55001 GHz | -32.70 dBm | -19.70 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55134 GHz | -31.33 dBm | -18.33 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55641 GHz | -31.66 dBm | -18.66 dB |

Date: 20.MAR.2024 02:27:47

## LTE Band 42 / 20MHz / 64QAM

### Lowest Band Edge / 1RB

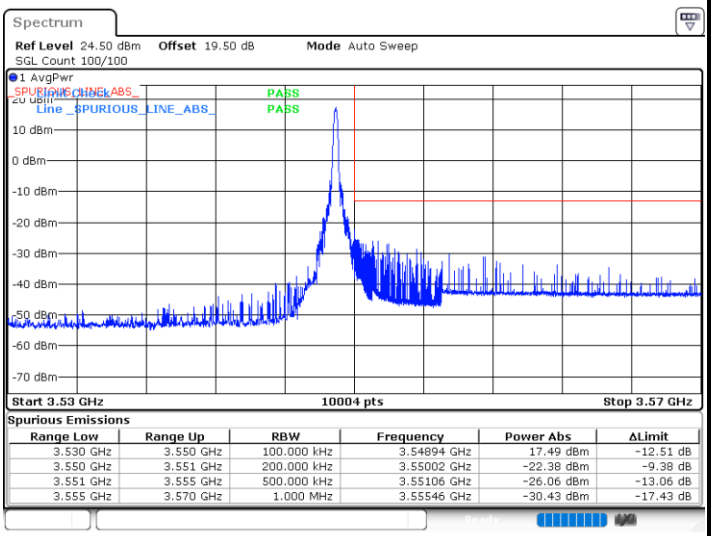



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44329 GHz | -28.31 dBm | -15.31 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44859 GHz | -25.62 dBm | -12.62 dB |
| 3.449 GHz | 3.450 GHz | 200.000 kHz | 3.44977 GHz | -24.45 dBm | -11.45 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.45109 GHz | 18.03 dBm | -11.97 dB |

Date: 20.MAR.2024 02:31:20

### Highest Band Edge / 1 RB

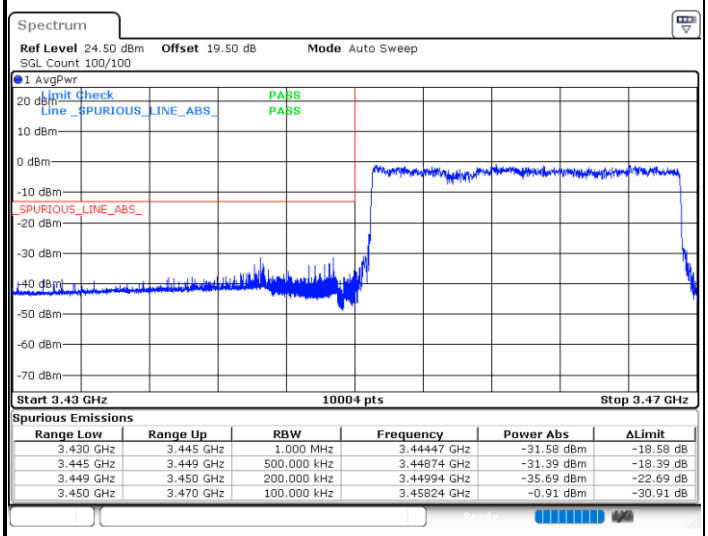



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.54894 GHz | 17.49 dBm | -12.51 dB |
| 3.550 GHz | 3.551 GHz | 200.000 kHz | 3.55002 GHz | -22.38 dBm | -9.38 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55106 GHz | -26.06 dBm | -13.06 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55546 GHz | -30.43 dBm | -17.43 dB |

Date: 20.MAR.2024 02:25:51

### Lowest Band Edge / Full RB

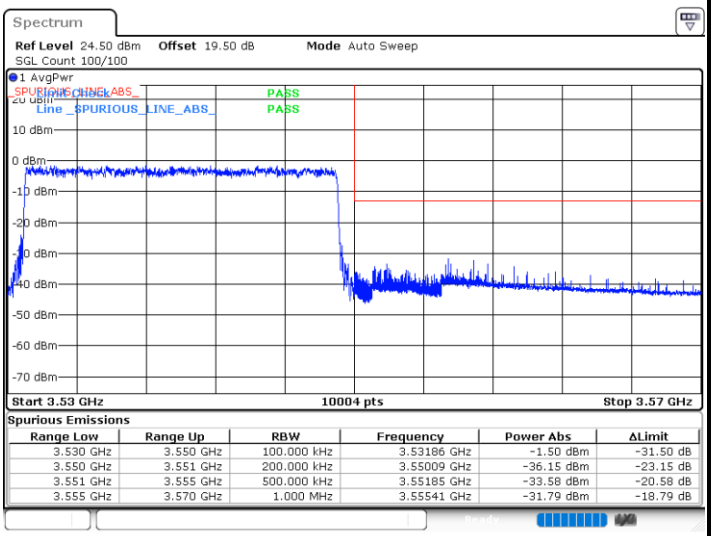



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44447 GHz | -31.58 dBm | -18.58 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44874 GHz | -31.39 dBm | -18.39 dB |
| 3.449 GHz | 3.450 GHz | 200.000 kHz | 3.44994 GHz | -35.69 dBm | -22.69 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.45824 GHz | -0.91 dBm | -30.91 dB |

Date: 20.MAR.2024 02:16:15

### Highest Band Edge / Full RB




Spurious Emissions

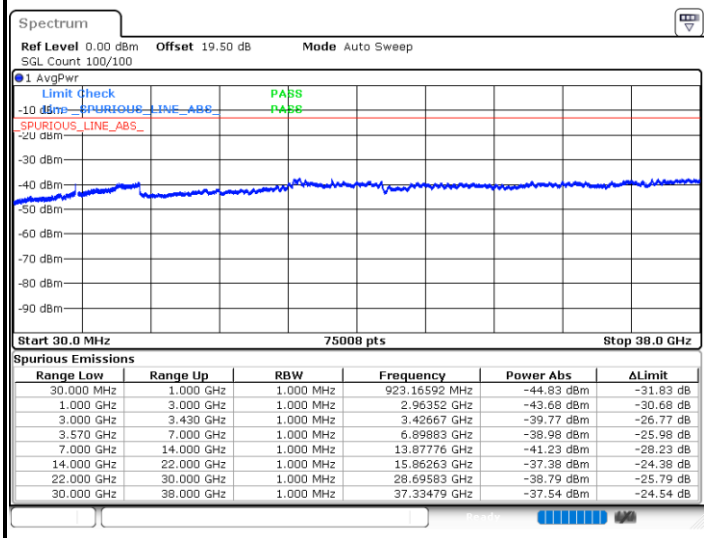
| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.53186 GHz | -1.50 dBm | -31.50 dB |
| 3.550 GHz | 3.551 GHz | 200.000 kHz | 3.55009 GHz | -36.15 dBm | -23.15 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55185 GHz | -33.58 dBm | -20.58 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55541 GHz | -31.79 dBm | -18.79 dB |

Date: 20.MAR.2024 02:26:49

# Conducted Spurious Emission

## LTE Band 42 / 5MHz

### Lowest Channel / QPSK

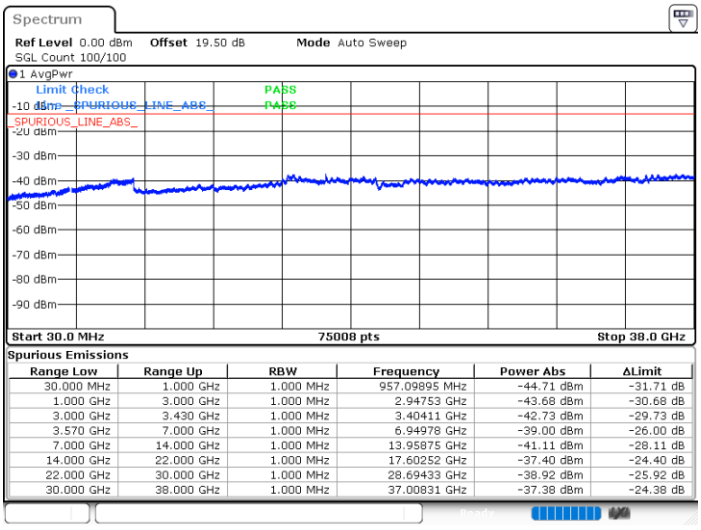



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 923.16592 MHz | -44.83 dBm | -31.83 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.96352 GHz | -43.68 dBm | -30.68 dB |
| 3.000 GHz | 3.430 GHz | 1.000 MHz | 3.42667 GHz | -39.77 dBm | -26.77 dB |
| 3.570 GHz | 7.000 GHz | 1.000 MHz | 6.89883 GHz | -38.98 dBm | -25.98 dB |
| 7.000 GHz | 14.000 GHz | 1.000 MHz | 13.87776 GHz | -41.23 dBm | -28.23 dB |
| 14.000 GHz | 22.000 GHz | 1.000 MHz | 15.86263 GHz | -37.38 dBm | -24.38 dB |
| 22.000 GHz | 30.000 GHz | 1.000 MHz | 28.69583 GHz | -38.79 dBm | -25.79 dB |
| 30.000 GHz | 38.000 GHz | 1.000 MHz | 37.33479 GHz | -37.54 dBm | -24.54 dB |

Date: 20.MAR.2024 01:35:40

### Middle Channel / QPSK

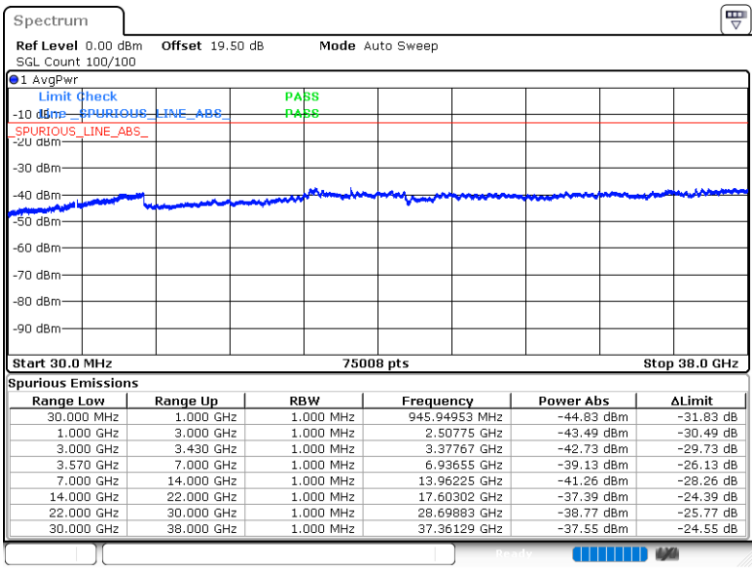



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 957.09895 MHz | -44.71 dBm | -31.71 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.94753 GHz | -43.68 dBm | -30.68 dB |
| 3.000 GHz | 3.430 GHz | 1.000 MHz | 3.40411 GHz | -42.73 dBm | -29.73 dB |
| 3.570 GHz | 7.000 GHz | 1.000 MHz | 6.94978 GHz | -39.00 dBm | -26.00 dB |
| 7.000 GHz | 14.000 GHz | 1.000 MHz | 13.95875 GHz | -41.11 dBm | -28.11 dB |
| 14.000 GHz | 22.000 GHz | 1.000 MHz | 17.60252 GHz | -37.40 dBm | -24.40 dB |
| 22.000 GHz | 30.000 GHz | 1.000 MHz | 28.69433 GHz | -38.92 dBm | -25.92 dB |
| 30.000 GHz | 38.000 GHz | 1.000 MHz | 37.00831 GHz | -37.38 dBm | -24.38 dB |

Date: 20.MAR.2024 01:36:59

### Highest Channel / QPSK



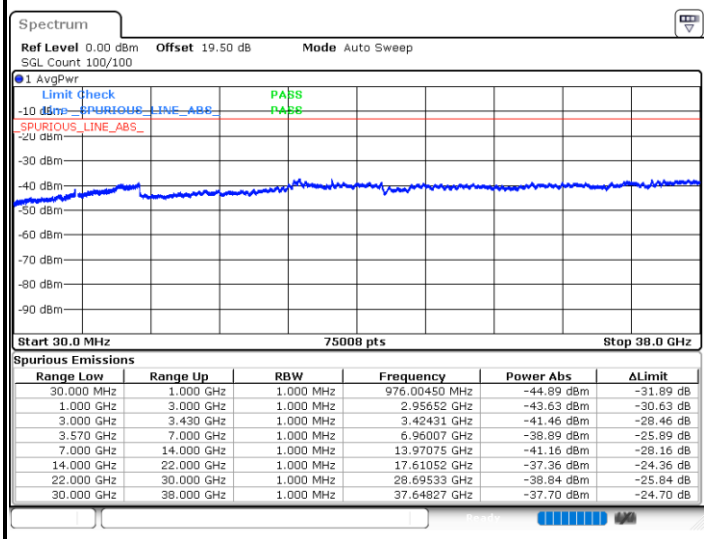

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 945.94953 MHz | -44.83 dBm | -31.83 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.50775 GHz | -43.49 dBm | -30.49 dB |
| 3.000 GHz | 3.430 GHz | 1.000 MHz | 3.37767 GHz | -42.73 dBm | -29.73 dB |
| 3.570 GHz | 7.000 GHz | 1.000 MHz | 6.93655 GHz | -39.13 dBm | -26.13 dB |
| 7.000 GHz | 14.000 GHz | 1.000 MHz | 13.96225 GHz | -41.26 dBm | -28.26 dB |
| 14.000 GHz | 22.000 GHz | 1.000 MHz | 17.60302 GHz | -37.39 dBm | -24.39 dB |
| 22.000 GHz | 30.000 GHz | 1.000 MHz | 28.69883 GHz | -38.77 dBm | -25.77 dB |
| 30.000 GHz | 38.000 GHz | 1.000 MHz | 37.36129 GHz | -37.55 dBm | -24.55 dB |

Date: 20.MAR.2024 01:38:17

## LTE Band 42 / 10MHz

### Lowest Channel / QPSK

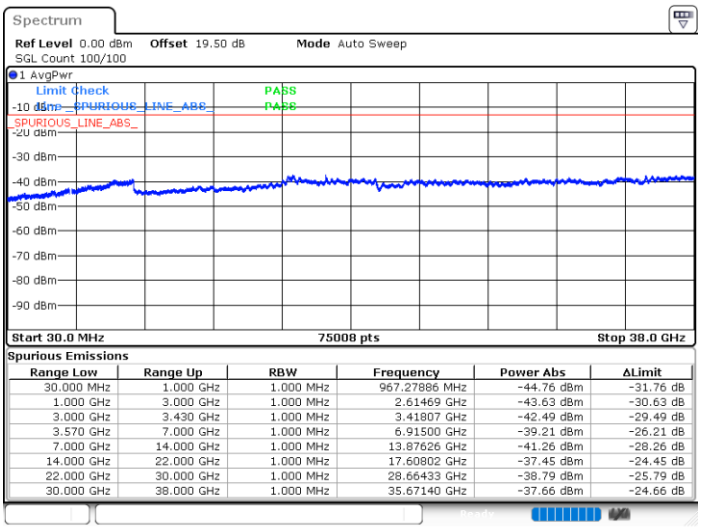



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 976.00450 MHz | -44.89 dBm | -31.89 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.95652 GHz | -43.63 dBm | -30.63 dB |
| 3.000 GHz | 3.430 GHz | 1.000 MHz | 3.42431 GHz | -41.46 dBm | -28.46 dB |
| 3.570 GHz | 7.000 GHz | 1.000 MHz | 6.96007 GHz | -38.89 dBm | -25.89 dB |
| 7.000 GHz | 14.000 GHz | 1.000 MHz | 13.97075 GHz | -41.16 dBm | -28.16 dB |
| 14.000 GHz | 22.000 GHz | 1.000 MHz | 17.61052 GHz | -37.36 dBm | -24.36 dB |
| 22.000 GHz | 30.000 GHz | 1.000 MHz | 28.69533 GHz | -38.84 dBm | -25.84 dB |
| 30.000 GHz | 38.000 GHz | 1.000 MHz | 37.64827 GHz | -37.70 dBm | -24.70 dB |

Date: 20.MAR.2024 01:51:19

### Middle Channel / QPSK

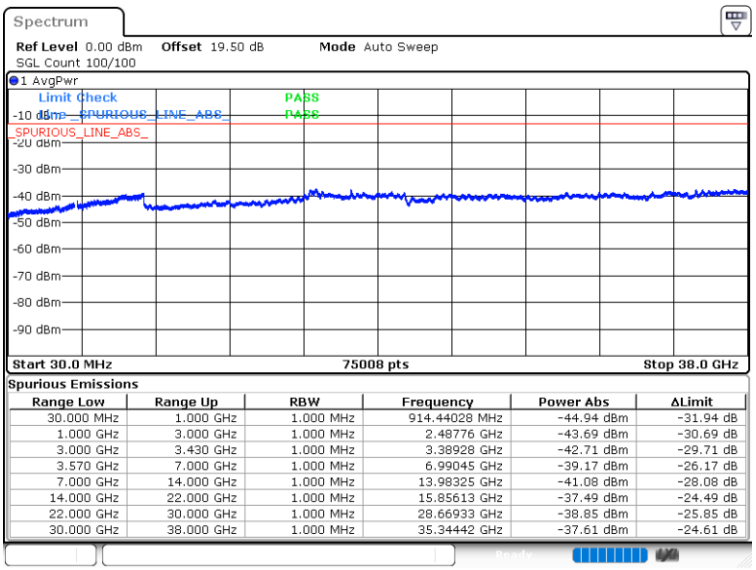



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 967.27886 MHz | -44.76 dBm | -31.76 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.61469 GHz | -43.63 dBm | -30.63 dB |
| 3.000 GHz | 3.430 GHz | 1.000 MHz | 3.41807 GHz | -42.49 dBm | -29.49 dB |
| 3.570 GHz | 7.000 GHz | 1.000 MHz | 6.91500 GHz | -39.21 dBm | -26.21 dB |
| 7.000 GHz | 14.000 GHz | 1.000 MHz | 13.87626 GHz | -41.26 dBm | -28.26 dB |
| 14.000 GHz | 22.000 GHz | 1.000 MHz | 17.60802 GHz | -37.45 dBm | -24.45 dB |
| 22.000 GHz | 30.000 GHz | 1.000 MHz | 28.66433 GHz | -38.79 dBm | -25.79 dB |
| 30.000 GHz | 38.000 GHz | 1.000 MHz | 35.67140 GHz | -37.66 dBm | -24.66 dB |

Date: 20.MAR.2024 01:52:37

### Highest Channel / QPSK



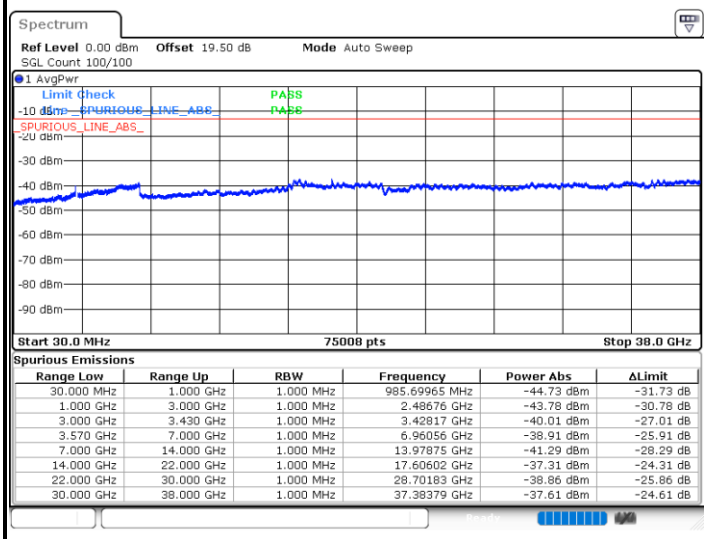

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 914.44028 MHz | -44.94 dBm | -31.94 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.48776 GHz | -43.69 dBm | -30.69 dB |
| 3.000 GHz | 3.430 GHz | 1.000 MHz | 3.38928 GHz | -42.71 dBm | -29.71 dB |
| 3.570 GHz | 7.000 GHz | 1.000 MHz | 6.99045 GHz | -39.17 dBm | -26.17 dB |
| 7.000 GHz | 14.000 GHz | 1.000 MHz | 13.98325 GHz | -41.08 dBm | -28.08 dB |
| 14.000 GHz | 22.000 GHz | 1.000 MHz | 15.85613 GHz | -37.49 dBm | -24.49 dB |
| 22.000 GHz | 30.000 GHz | 1.000 MHz | 28.66933 GHz | -38.85 dBm | -25.85 dB |
| 30.000 GHz | 38.000 GHz | 1.000 MHz | 35.34442 GHz | -37.61 dBm | -24.61 dB |

Date: 20.MAR.2024 01:53:55

## LTE Band 42 / 15MHz

### Lowest Channel / QPSK

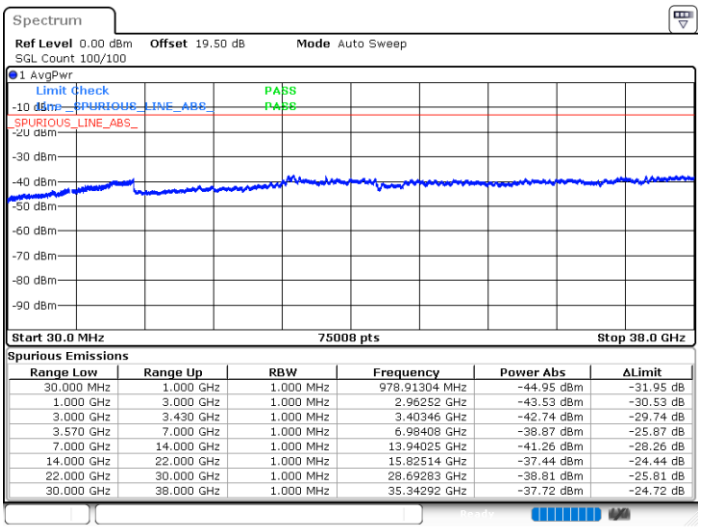



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 985.69965 MHz | -44.73 dBm | -31.73 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.48676 GHz | -43.78 dBm | -30.78 dB |
| 3.000 GHz | 3.430 GHz | 1.000 MHz | 3.42817 GHz | -40.01 dBm | -27.01 dB |
| 3.570 GHz | 7.000 GHz | 1.000 MHz | 6.96056 GHz | -38.91 dBm | -25.91 dB |
| 7.000 GHz | 14.000 GHz | 1.000 MHz | 13.97875 GHz | -41.29 dBm | -28.29 dB |
| 14.000 GHz | 22.000 GHz | 1.000 MHz | 17.60602 GHz | -37.31 dBm | -24.31 dB |
| 22.000 GHz | 30.000 GHz | 1.000 MHz | 28.70183 GHz | -38.86 dBm | -25.86 dB |
| 30.000 GHz | 38.000 GHz | 1.000 MHz | 37.38379 GHz | -37.61 dBm | -24.61 dB |

Date: 20.MAR.2024 02:06:47

### Middle Channel / QPSK

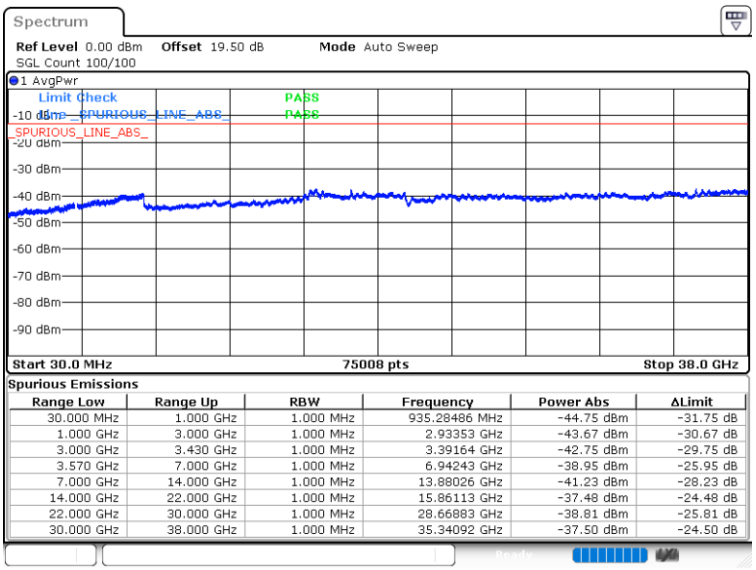



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 978.91304 MHz | -44.95 dBm | -31.95 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.96252 GHz | -43.53 dBm | -30.53 dB |
| 3.000 GHz | 3.430 GHz | 1.000 MHz | 3.40346 GHz | -42.74 dBm | -29.74 dB |
| 3.570 GHz | 7.000 GHz | 1.000 MHz | 6.98408 GHz | -38.87 dBm | -25.87 dB |
| 7.000 GHz | 14.000 GHz | 1.000 MHz | 13.94025 GHz | -41.26 dBm | -28.26 dB |
| 14.000 GHz | 22.000 GHz | 1.000 MHz | 15.82514 GHz | -37.44 dBm | -24.44 dB |
| 22.000 GHz | 30.000 GHz | 1.000 MHz | 28.69283 GHz | -38.81 dBm | -25.81 dB |
| 30.000 GHz | 38.000 GHz | 1.000 MHz | 35.34292 GHz | -37.72 dBm | -24.72 dB |

Date: 20.MAR.2024 02:08:05

### Highest Channel / QPSK




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 935.28486 MHz | -44.75 dBm | -31.75 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.93353 GHz | -43.67 dBm | -30.67 dB |
| 3.000 GHz | 3.430 GHz | 1.000 MHz | 3.39164 GHz | -42.75 dBm | -29.75 dB |
| 3.570 GHz | 7.000 GHz | 1.000 MHz | 6.94243 GHz | -38.95 dBm | -25.95 dB |
| 7.000 GHz | 14.000 GHz | 1.000 MHz | 13.88026 GHz | -41.23 dBm | -28.23 dB |
| 14.000 GHz | 22.000 GHz | 1.000 MHz | 15.86113 GHz | -37.48 dBm | -24.48 dB |
| 22.000 GHz | 30.000 GHz | 1.000 MHz | 28.66883 GHz | -38.81 dBm | -25.81 dB |
| 30.000 GHz | 38.000 GHz | 1.000 MHz | 35.34092 GHz | -37.50 dBm | -24.50 dB |

Date: 20.MAR.2024 02:09:23