# FCC RADIO TEST REPORT

| | | |
|---|---|---|
| **FCC ID** | : | **2AQ68T99W368M** |
| **Equipment** | : | **5G WWAN Module** |
| **Brand Name** | : | **Foxconn** |
| **Model Name** | : | **T99W368M** |
| **Applicant** | : | **Hon Lin Technology Co., Ltd**<br>**11F, No.32, Jihu Rd., Neihu Dist., Taipei City 114, Taiwan R.O.C.** |
| **Manufacturer** | : | **Hon Lin Technology Co., Ltd**<br>**11F, No.32, Jihu Rd., Neihu Dist., Taipei City 114, Taiwan R.O.C.** |
| **Standard** | : | **FCC 47 CFR Part 2, 27** |

**The product was received on Jul. 01, 2022 and testing was performed from Jul. 16, 2022 to Oct. 18, 2022. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA-603-E and has been in 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. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.**

Louis Wu

**Approved by: Louis Wu**

***Sporton International Inc. EMC & Wireless Communications Laboratory***
*No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)*

# Table of Contents

# History of this test report

| Report No. | Version | Description | Issue Date |
|---|---|---|---|
| FG262904N | 01 | Initial issue of report | Oct. 28, 2022 |
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# Summary of Test Result

| Report Clause | Ref Std. Clause | Test Items | Result (PASS/FAIL) | Remark |
|---|---|---|---|---|
| 3.2 | §2.1046 | Conducted Output Power | Reporting only | - |
| | §27.50 (k)(3) | Equivalent Isotropic Radiated Power | Pass | |
| 3.3 | §27.50 (k)(4) | Peak-to-Average Ratio | Pass | - |
| 3.4 | §2.1049 | Occupied Bandwidth | Reporting only | - |
| 3.5 | §2.1051<br>§27.53 (n)(2) | Conducted Band Edge Measurement | Pass | - |
| 3.6 | §2.1051<br>§27.53 (n)(2) | Conducted Spurious Emission | Pass | - |
| 3.7 | §2.1055<br>§27.54 | Frequency Stability<br>Temperature & Voltage | Pass | - |
| 4.2 | §2.1053<br>§27.53 (n)(2) | Radiated Spurious Emission | Pass | Under limit 16.12 dB at 13875.000 MHz |

**Declaration of Conformity:**

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
   It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.
2. The measurement uncertainty please refer to this report "Uncertainty of Evaluation".

**Comments and Explanations:**

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

**Reviewed by: Keven Cheng**

**Report Producer: Cindy Liu**

# 1 General Description

## 1.1 Product Feature of Equipment Under Test

WCDMA/LTE/5G NR and GNSS

The following antennas were provided to the EUT

| | Band | Brand | Model | Antenna Type | RF Exposure Max Antenna Gain(dBi) |
|---|---|---|---|---|---|
| **LTE** | 42 | WHA YU | C107-511723-A | PCB | 6 |

**Remark:** The above EUT's information was declared by manufacturer and used for Radiated Spurious Emission test.

There are three different HW of T99W368M.

| Brand | Model | HW |
|---|---|---|
| Foxconn | T99W368M | 1. WCDMA+LTE+Sub6+mmWave+eSIM |
| | | 2. WCDMA+LTE+Sub6+mmWave w/o eSIM |
| | | 3. WCDMA+LTE+Sub6+mmWave +FPC connector on bottom w/o eSIM |

**Note:** All the tests were performed with Sample 1.

## 1.2 Modification of EUT

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

## 1.3 Testing Location

| | |
|---|---|
| **Test Site** | Sporton International Inc. EMC & Wireless Communications Laboratory |
| **Test Site Location** | No.52, Huaya 1st Rd., Guishan Dist.,<br>Taoyuan City 333, Taiwan (R.O.C.)<br>TEL: +886-3-327-3456<br>FAX: +886-3-328-4978 |
| **Test Site No.** | **Sporton Site No.** |
| | TH03-HY |
| **Test Engineer** | Jacky Wang |
| **Temperature (℃)** | 23.1~25.4 |
| **Relative Humidity (%)** | 55.3~58.2 |

| | |
|---|---|
| **Test Site** | Sporton International Inc. Wensan Laboratory |
| **Test Site Location** | No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist.,<br>Taoyuan City 333010, Taiwan (R.O.C.)<br>TEL: +886-3-327-0868<br>FAX: +886-3-327-0855 |
| **Test Site No.** | **Sporton Site No.** |
| | 03CH12-HY (TAF Code: 3786) |
| **Test Engineer** | Jack Cheng, Tim Lee and Wilson Wu |
| **Temperature (℃)** | 20~25 |
| **Relative Humidity (%)** | 50~60 |
| **Remark** | The Radiated Spurious Emission test item subcontracted to Sporton International Inc. Wensan Laboratory. |

**Note:** The test site complies with ANSI C63.4 2014 requirement.

FCC Designation No.: TW1190 and TW3786

## 1.4 Applicable Standards

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

- ANSI C63.26-2015
- ANSI / TIA-603-E
- FCC 47 CFR Part 2, 27
- FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- FCC KDB 412172 D01 Determining ERP and EIRP v01r01
- FCC KDB 414788 D01 Radiated Test Site 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.
3. The TAF code is not including all the FCC KDB listed without accreditation.

# 2 Test Configuration of Equipment Under Test

## 2.1 Test Mode

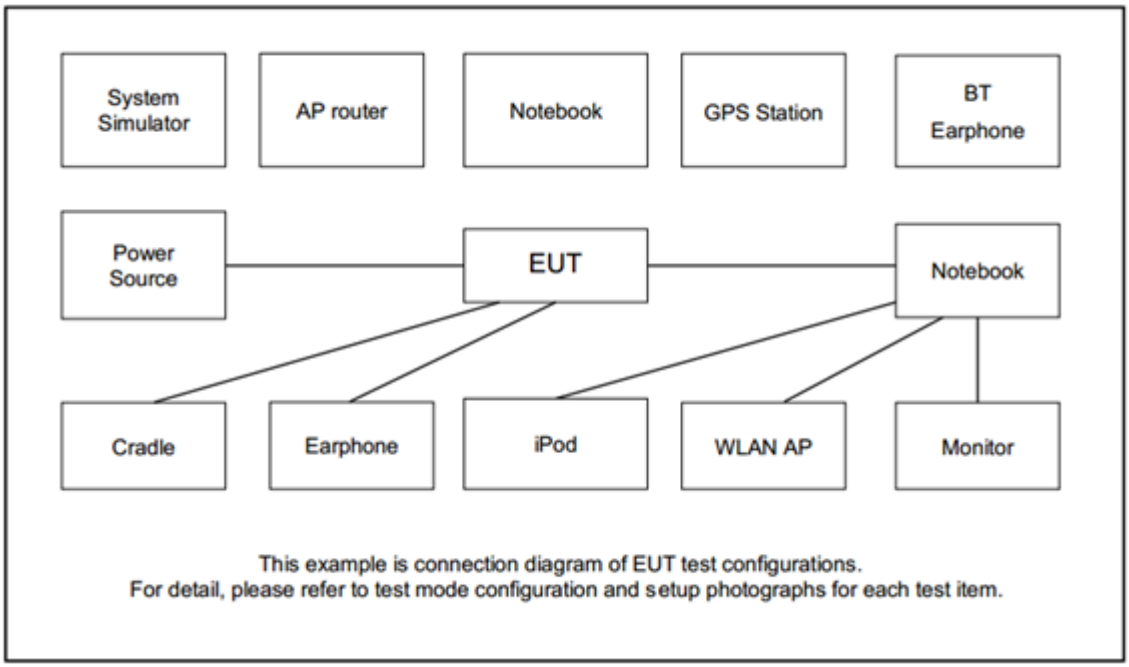
Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power.

For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.26 exploratory test procedures and only the worst case emissions were reported in this report.

| Test Items | Band | Bandwidth (MHz) | | | | | | Modulation | | | | RB # | | | Test Channel | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.4 | 3 | 5 | 10 | 15 | 20 | QPSK | 16QAM | 64QAM | 256QAM | 1 | Half | Full | L | M | H |
| Max. Output Power | 42 | - | - | v | v | v | v | v | v | v | v | v | v | v | v | v | v |
| 26dB and 99% Bandwidth | 42 | - | - | v | v | v | v | v | v | v | v | | | v | | v | |
| Conducted Band Edge | 42 | - | - | v | v | v | v | v | v | v | v | v | | v | v | | v |
| Peak-to-Average Ratio | 42 | - | - | | | | v | v | v | v | v | | | v | | v | |
| Conducted Spurious Emission | 42 | - | - | v | v | v | v | v | | | | v | | | v | v | v |
| E.R.P / E.I.R.P | 42 | - | - | v | v | v | v | v | v | v | v | Max. Power | | | | | |
| Frequency Stability | 42 | - | - | | v | | | v | | | | | | v | | v | |
| Radiated Spurious Emission | 42 | Worst Case | | | | | | | | | | | | | v | v | v |
| Remark | 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. One representative bandwidth is selected to perform PAR and frequency stability. | | | | | | | | | | | | | | | | |

| Test Items | Band | Bandwidth (MHz) | | | | | | | Modulation | | | | RB # | | | Test Channel | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 5+20 | 20+5 | 10+20 | 20+10 | 15+20 | 20+15 | 20+20 | 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 | v | v |
| 26dB and 99% Bandwidth | 42C_CA | v | v | 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 | | 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 | Max. Power | | | | | |
| Radiated Spurious Emission | 42C_CA | Worst Case | | | | | | | | | | | | | | v | v | v |
| Remark | 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. | | | | | | | | | | | | | | | | | |

## 2.2 Connection Diagram of Test System



## 2.3 Support Unit used in test configuration and system

| Item | Equipment | Brand Name | Model No. | FCC ID | Data Cable | Power Cord |
|---|---|---|---|---|---|---|
| 1. | System Simulator | Anritsu | MT8821C | N/A | N/A | Unshielded, 1.8 m |
| 2. | Notebook | Dell | Latitude 3400 | N/A | N/A | AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m |
| 3. | Fixture | Foxconn | 95.2580T00 | 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 4.2 dB and 10dB attenuator.

Example :

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

= 4.2 + 10 = 14.2 (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 Channel and Frequency List_CA | | | | | |
|---|---|---|---|---|---|
| BW [MHz] | Channel/Frequency(MHz) | | Lowest | Middle | Highest |
| 20 + 20 | PCC | Channel | 42190 | 42491 | 42791 |
| | | Frequency | 3460 | 3490.1 | 3520.1 |
| | SCC | Channel | 42388 | 42689 | 42990 |
| | | Frequency | 3479.8 | 3509.9 | 3540 |
| 20 + 15 | PCC | Channel | 42190 | 42517 | 42844 |
| | | Frequency | 3460 | 3492.7 | 3525.4 |
| | SCC | Channel | 42361 | 42688 | 43015 |
| | | Frequency | 3477.1 | 3509.8 | 3542.5 |
| 15 + 20 | PCC | Channel | 42165 | 42492 | 42819 |
| | | Frequency | 3457.5 | 3490.2 | 3522.9 |
| | SCC | Channel | 42336 | 42663 | 42990 |
| | | Frequency | 3474.6 | 3507.3 | 3540 |
| 20 + 10 | PCC | Channel | 42190 | 42543 | 42896 |
| | | Frequency | 3460 | 3495.3 | 3530.6 |
| | SCC | Channel | 42334 | 42687 | 43040 |
| | | Frequency | 3474.4 | 3509.7 | 3545 |
| 10 + 20 | PCC | Channel | 42140 | 42493 | 42846 |
| | | Frequency | 3455 | 3490.3 | 3525.6 |
| | SCC | Channel | 42284 | 42637 | 42990 |
| | | Frequency | 3469.4 | 3504.7 | 3540 |
| 20 + 5 | PCC | Channel | 42190 | 42569 | 42948 |
| | | Frequency | 3460 | 3497.9 | 3535.8 |
| | SCC | Channel | 42307 | 42686 | 43065 |
| | | Frequency | 3471.7 | 3509.6 | 3547.5 |
| 5 + 20 | PCC | Channel | 42115 | 42494 | 42873 |
| | | Frequency | 3452.5 | 3490.4 | 3528.3 |
| | SCC | Channel | 42232 | 42611 | 42990 |
| | | Frequency | 3464.2 | 3502.1 | 3540 |

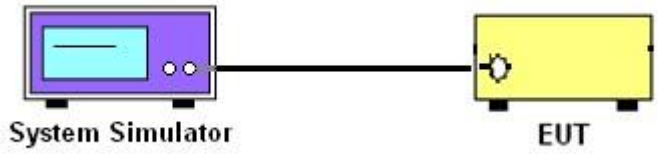
# 3 Conducted Test Items

## 3.1 Measuring Instruments

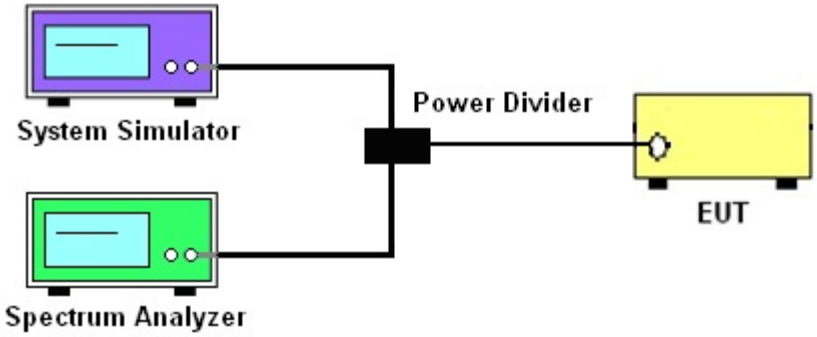
See list of measuring instruments of this test report.

### 3.1.1 Test Setup

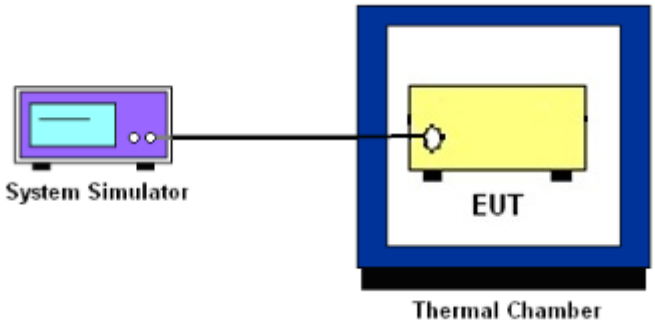
### 3.1.2 Conducted Output Power




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




### 3.1.4 Frequency Stability




### 3.1.5 Test Result of Conducted Test

Please refer to Appendix A.

# 3.2 Conducted Output Power and EIRP

## 3.2.1 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 1 Watts for LTE Band 42.

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

## 3.2.2 Test Procedures

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

# 3.3 Peak-to-Average Ratio

## 3.3.1 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.

## 3.3.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.2.6

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

# 3.4 Occupied Bandwidth

## 3.4.1 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.

## 3.4.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.4.3 (26dB) and Section 5.4.4 (99OB)

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. 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.
3. 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.
4. Set the detection mode to peak, and the trace mode to max hold.
5. 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)
6. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
7. 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.
8. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

# 3.5 Conducted Band Edge

## 3.5.1 Description of Conducted Band Edge Measurement

27.53 (n)(2)

(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 (n)(2) 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. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

## 3.5.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The band edges of low and high channels for the highest RF powers were measured.
3. For EBW < 20MHz, set RBW >= 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
4. For EBW >=20MHz,set RBW = 200kHz in the 1MHz band immediately outside and adjacent to the band edge.
5. Between 1 ~5 MHz from the band edge, RBW=500 kHz was used.
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.
   The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)

# 3.6 Conducted Spurious Emission

## 3.6.1 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.

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

## 3.6.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. 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.
3. The middle channel for the highest RF power within the transmitting frequency was measured.
4. The conducted spurious emission for the whole frequency range was taken.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
6. Set spectrum analyzer with RMS detector.
7. Taking the record of maximum spurious emission.
8. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
9. The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)

# 3.7 Frequency Stability

## 3.7.1 Description of Frequency Stability Measurement

27.54

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

## 3.7.2 Test Procedures for Temperature Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

1. The EUT was set up in the thermal chamber and connected with the system simulator.
2. 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.
3. 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.

## 3.7.3 Test Procedures for Voltage Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

1. The EUT was placed in a temperature chamber at 20±5° C and connected with the system simulator.
2. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
3. The variation in frequency was measured for the worst case.

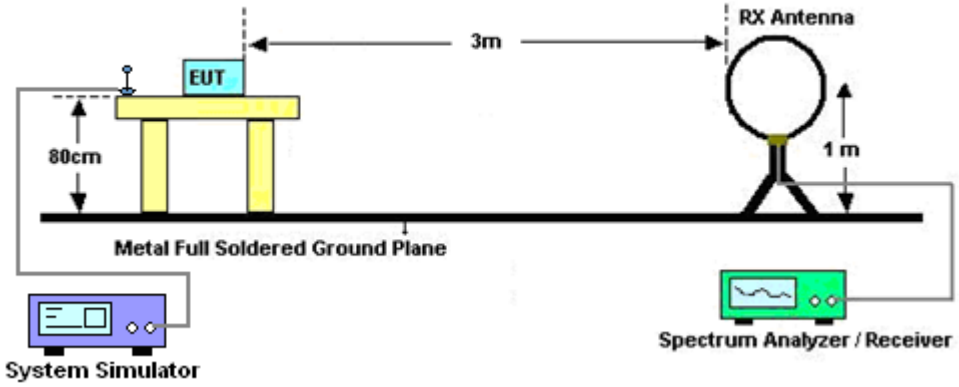
# 4 Radiated Test Items

## 4.1 Measuring Instruments

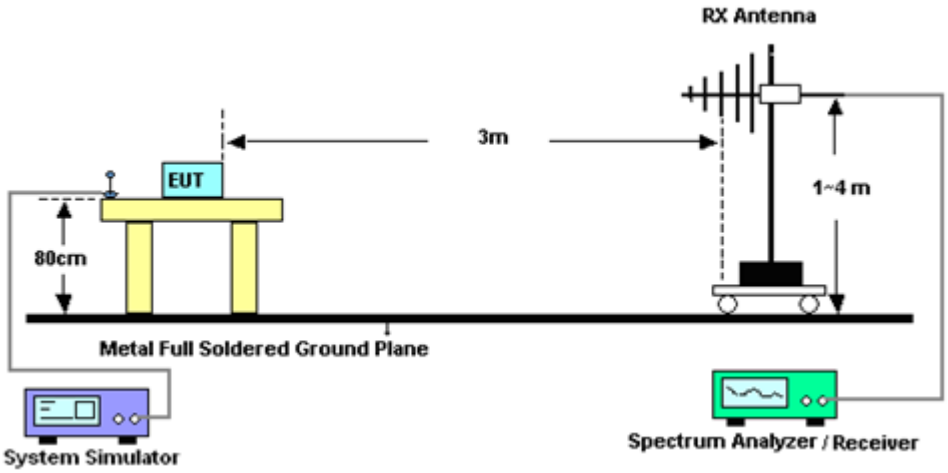
See list of measuring instruments of this test report.

### 4.1.1 Test Setup

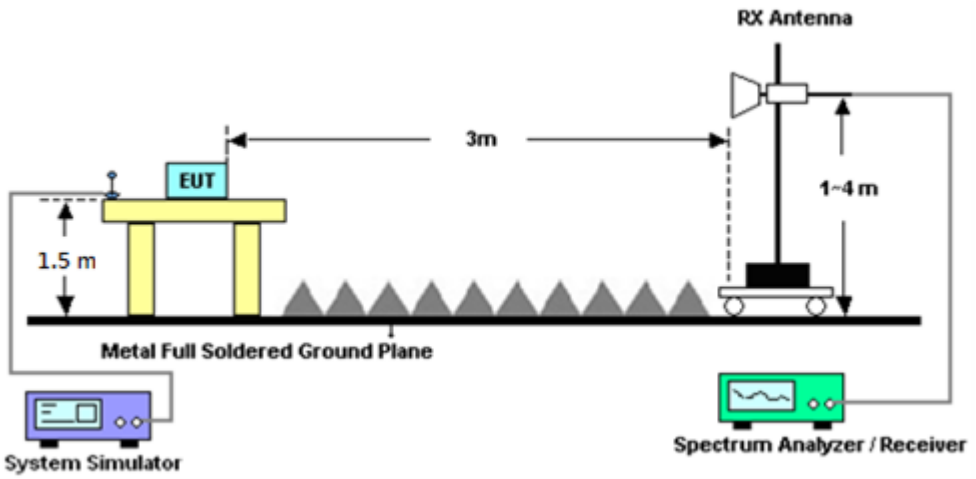
**For radiated test below 30MHz**



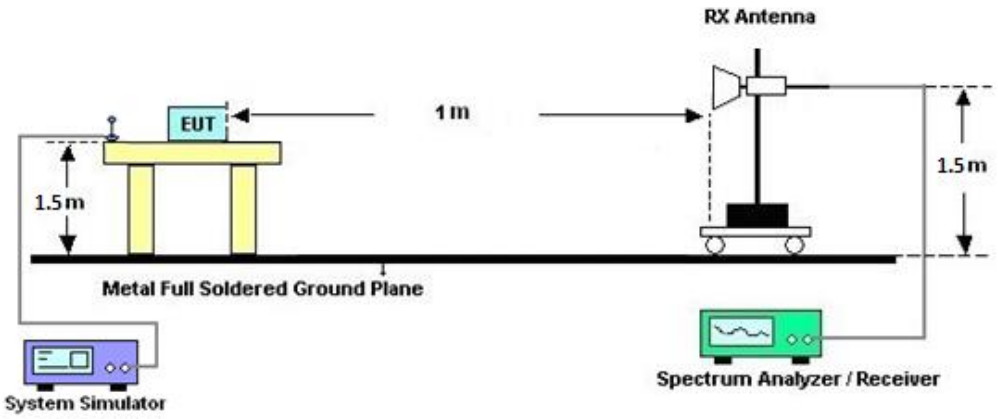

**For radiated test from 30MHz to 1GHz**



**For radiated test from 1GHz to 18GHz**




**For radiated test above 18GHz**




## 4.1.2 Test Result of Radiated Test

Please refer to Appendix B.

**Note:**

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.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

## 4.2 Radiated Spurious Emission Measurement

### 4.2.1 Description of Radiated Spurious Emission Measurement

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 must be attenuated below the transmitter power (P) by a factor of at least 43 + 10 log (P) dB.

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

### 4.2.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 7 and ANSI / TIA-603-E Section 2.2.12.

1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. 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)
    EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain
    ERP (dBm) = EIRP - 2.15

# 5 List of Measuring Equipment

| Instrument | Brand Name | Model No. | Serial No. | Characteristics | Calibration Date | Test Date | Due Date | Remark |
|---|---|---|---|---|---|---|---|---|
| Loop Antenna | Rohde & Schwarz | HFH2-Z2 | 100488 | 9 kHz~30 MHz | May 13, 2022 | Jul. 16, 2022~ Sep. 06, 2022 | May 12, 2023 | Radiation (03CH12-HY) |
| Bilog Antenna | TESEQ | CBL 6111D & 00800N1D01N-06 | 37059 & 01 | 30MHz~1GHz | Oct. 09, 2021 | Jul. 16, 2022~ Sep. 06, 2022 | Oct. 08, 2022 | Radiation (03CH12-HY) |
| Bilog Antenna | TESEQ | CBL 6111D & N-6-06 | 35414 & AT-N0602 | 30MHz~1GHz | Oct. 09, 2021 | Jul. 16, 2022~ Sep. 06, 2022 | Oct. 08, 2022 | Radiation (03CH12-HY) |
| Horn Antenna | SCHWARZBECK | BBHA 9120 D | 9120D-1328 | 1GHz~18GHz | Dec. 03, 2021 | Jul. 16, 2022~ Sep. 06, 2022 | Dec. 02, 2022 | Radiation (03CH12-HY) |
| Horn Antenna | SCHWARZBECK | BBHA 9120 D | 9120D-1212 | 1GHz~18GHz | Mar. 10, 2022 | Jul. 16, 2022~ Sep. 06, 2022 | Mar. 09, 2023 | Radiation (03CH12-HY) |
| SHF-EHF Horn Antenna | SCHWARZBECK | BBHA9170 | 00993 | 18GHz-40GHz | Nov. 30, 2021 | Jul. 16, 2022~ Sep. 06, 2022 | Nov. 29, 2022 | Radiation (03CH12-HY) |
| SHF-EHF Horn Antenna | SCHWARZBECK | BBHA 9170 | BBHA9170251 | 18GHz~40GHz | Nov. 30, 2021 | Jul. 16, 2022~ Sep. 06, 2022 | Nov. 29, 2022 | Radiation (03CH12-HY) |
| Preamplifier | COM-POWER | PA-103 | 161075 | 10MHz~1GHz | Mar. 23, 2022 | Jul. 16, 2022~ Sep. 06, 2022 | Mar. 22, 2023 | Radiation (03CH12-HY) |
| Preamplifier | Aglient | 8449B | 3008A02375 | 1GHz~26.5GHz | May 24, 2022 | Jul. 16, 2022~ Sep. 06, 2022 | May 23, 2023 | Radiation (03CH12-HY) |
| Preamplifier | E-INSTRUMENT TECH LTD. | ERA-100M-18G-56-01-A70 | EC1900249 | 1GHz-18GHz | Dec. 22, 2021 | Jul. 16, 2022~ Sep. 06, 2022 | Dec. 21, 2022 | Radiation (03CH12-HY) |
| Preamplifier | EMEC | EM18G40G | 060715 | 18GHz~40GHz | Dec. 24, 2021 | Jul. 16, 2022~ Sep. 06, 2022 | Dec. 23, 2022 | Radiation (03CH12-HY) |
| Spectrum Analyzer | Agilent | N9010A | MY53470118 | 10Hz~44GHz | Jan. 12, 2022 | Jul. 16, 2022~ Sep. 06, 2022 | Jan. 11, 2023 | Radiation (03CH12-HY) |
| Filter | Wainwright | WLKS1200-12SS | SN2 | 1.2GHz Low Pass Filter | Mar. 15, 2022 | Jul. 16, 2022~ Sep. 06, 2022 | Mar. 14, 2023 | Radiation (03CH12-HY) |
| Filter | Wainwright | WHKX8-5872.5-6750-18000-40ST | SN2 | 6.75GHz High Pass Filter | Mar. 16, 2022 | Jul. 16, 2022~ Sep. 06, 2022 | Mar. 15, 2023 | Radiation (03CH12-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 104 | MY9837/4PE | 9kHz~30MHz | Mar. 10, 2022 | Jul. 16, 2022~ Sep. 06, 2022 | Mar. 09, 2023 | Radiation (03CH12-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 126E | 0058/126E | 30MHz~18GHz | Dec. 10, 2021 | Jul. 16, 2022~ Sep. 06, 2022 | Dec. 09, 2022 | Radiation (03CH12-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 102 | 505134/2 | 30MHz~40GHz | Feb. 21, 2022 | Jul. 16, 2022~ Sep. 06, 2022 | Feb. 20, 2023 | Radiation (03CH12-HY) |
| RF Cable | HUBER + SUHNER | SUCOFLEX 102 | 803953/2 | 30MHz~40GHz | Mar. 08, 2022 | Jul. 16, 2022~ Sep. 06, 2022 | Mar. 07, 2023 | Radiation (03CH12-HY) |
| Hygrometer | TECPEL | DTM-303B | TP140349 | N/A | Sep. 30, 2021 | Jul. 16, 2022~ Sep. 06, 2022 | Sep. 29, 2022 | Radiation (03CH12-HY) |
| Controller | EMEC | EM1000 | N/A | Control Turn table & Ant Mast | N/A | Jul. 16, 2022~ Sep. 06, 2022 | N/A | Radiation (03CH12-HY) |
| Antenna Mast | EMEC | AM-BS-4500-B | N/A | 1m~4m | N/A | Jul. 16, 2022~ Sep. 06, 2022 | N/A | Radiation (03CH12-HY) |
| Turn Table | EMEC | TT2000 | N/A | 0~360 Degree | N/A | Jul. 16, 2022~ Sep. 06, 2022 | N/A | Radiation (03CH12-HY) |

| Instrument | Brand Name | Model No. | Serial No. | Characteristics | Calibration Date | Test Date | Due Date | Remark |
|---|---|---|---|---|---|---|---|---|
| Radio Communication Analyzer | Anritsu | MT8821C | 6262025280 | LTE FDD/TDD LTE-2CC DLCA/ULCA | Oct. 29, 2021 | Aug. 08, 2022~ Oct. 18, 2022 | Oct. 28, 2022 | Conducted (TH03-HY) |
| Spectrum Analyzer | Rohde & Schwarz | FSV40 | 101908 | 10Hz~40GHz | Oct. 01, 2021 | Aug. 08, 2022~ Sep. 26, 2022 | Sep. 30, 2022 | Conducted (TH03-HY) |
| Spectrum Analyzer | Rohde & Schwarz | FSV40 | 101908 | 10Hz~40GHz | Sep. 27, 2022 | Sep. 27, 2022~ Oct. 18, 2022 | Sep. 26, 2023 | Conducted (TH03-HY) |
| Thermal Chamber | ESPEC | SH-641 | 92013720 | -40℃ ~90℃ | Sep. 07, 2022 | Sep. 08, 2022~ Oct. 18, 2022 | Sep. 06, 2023 | Conducted (TH03-HY) |
| DC Power Supply | GW Instek | GPP-2323 | GES906037 | 0V~64V；0A~6A | Jan. 06, 2022 | Aug. 08, 2022~ Oct. 18, 2022 | Jan. 05, 2023 | Conducted (TH03-HY) |
| Coupler | Warison | 20dB 25W SMA Directional Coupler | #B | 1-18GHz | Jan. 07, 2022 | Aug. 08, 2022~ Oct. 18, 2022 | Jan. 06, 2023 | Conducted (TH03-HY) |

# 6 Uncertainty of Evaluation

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

| | |
|---|---|
| **Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))** | **3.31 dB** |

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

| | |
|---|---|
| **Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))** | **3.25 dB** |

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

| | |
|---|---|
| **Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))** | **3.81 dB** |

# Appendix A. Test Results of Conducted Test

## Conducted Output Power(Average power & EIRP)

| LTE Band 42 Maximum Average Power [dBm] (GT - LC = 6 dB) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 20 | 1 | 0 | QPSK | 23.16 | 22.99 | 22.93 | 29.16 | 0.8241 |
| 20 | 1 | 49 | | 23.15 | 22.98 | 22.77 | | |
| 20 | 1 | 99 | | 22.95 | 22.94 | 22.82 | | |
| 20 | 50 | 0 | | 22.12 | 22.01 | 21.98 | | |
| 20 | 50 | 24 | | 22.16 | 21.99 | 21.97 | | |
| 20 | 50 | 50 | | 22.11 | 22.00 | 21.81 | | |
| 20 | 100 | 0 | | 22.06 | 22.02 | 21.84 | | |
| 20 | 1 | 0 | 16-QAM | 22.11 | 22.02 | 21.99 | 28.16 | 0.6546 |
| 20 | 1 | 49 | | 21.91 | 21.93 | 21.81 | | |
| 20 | 1 | 99 | | 22.16 | 22.05 | 21.88 | | |
| 20 | 50 | 0 | | 21.12 | 21.03 | 20.89 | | |
| 20 | 50 | 24 | | 20.99 | 21.02 | 20.85 | | |
| 20 | 50 | 50 | | 21.12 | 21.03 | 20.83 | | |
| 20 | 100 | 0 | | 21.00 | 20.99 | 20.90 | | |
| 20 | 1 | 0 | 64-QAM | 21.96 | 21.83 | 21.81 | 27.99 | 0.6295 |
| 20 | 1 | 49 | | 21.87 | 21.90 | 21.80 | | |
| 20 | 1 | 99 | | 21.99 | 21.94 | 21.83 | | |
| 20 | 50 | 0 | | 20.98 | 20.99 | 20.94 | | |
| 20 | 50 | 24 | | 20.94 | 20.98 | 20.83 | | |
| 20 | 50 | 50 | | 21.00 | 21.00 | 20.83 | | |
| 20 | 100 | 0 | | 20.92 | 20.97 | 20.78 | | |
| 20 | 1 | 0 | 256-QAM | 18.06 | 17.92 | 17.87 | 24.14 | 0.2594 |
| 20 | 1 | 49 | | 17.92 | 17.90 | 17.87 | | |
| 20 | 1 | 99 | | 18.04 | 18.00 | 17.98 | | |
| 20 | 50 | 0 | | 18.01 | 18.00 | 17.87 | | |
| 20 | 50 | 24 | | 18.14 | 17.99 | 17.86 | | |
| 20 | 50 | 50 | | 18.09 | 18.01 | 17.89 | | |
| 20 | 100 | 0 | | 18.03 | 18.02 | 17.92 | | |
| Limit | EIRP < 1W | | | Result | | | Pass | |

| LTE Band 42 Maximum Average Power [dBm] (GT - LC = 6 dB) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 15 | 1 | 0 | QPSK | 23.10 | 22.78 | 22.83 | 29.10 | 0.8128 |
| 15 | 1 | 37 | | 23.03 | 22.91 | 22.84 | | |
| 15 | 1 | 74 | | 22.99 | 22.77 | 22.77 | | |
| 15 | 36 | 0 | | 22.08 | 22.01 | 21.90 | | |
| 15 | 36 | 20 | | 21.99 | 21.81 | 21.94 | | |
| 15 | 36 | 39 | | 22.17 | 21.98 | 21.78 | | |
| 15 | 75 | 0 | | 22.02 | 21.86 | 21.96 | | |
| 15 | 1 | 0 | 16-QAM | 22.04 | 21.96 | 22.00 | 28.15 | 0.6531 |
| 15 | 1 | 37 | | 21.98 | 21.85 | 21.77 | | |
| 15 | 1 | 74 | | 22.15 | 22.00 | 22.03 | | |
| 15 | 36 | 0 | | 21.07 | 20.94 | 21.00 | | |
| 15 | 36 | 20 | | 21.13 | 20.96 | 20.92 | | |
| 15 | 36 | 39 | | 21.09 | 20.88 | 20.83 | | |
| 15 | 75 | 0 | | 20.99 | 20.86 | 20.96 | | |
| 15 | 1 | 0 | 64-QAM | 21.97 | 21.70 | 21.73 | 27.97 | 0.6266 |
| 15 | 1 | 37 | | 21.87 | 21.74 | 21.84 | | |
| 15 | 1 | 74 | | 21.90 | 21.93 | 21.92 | | |
| 15 | 36 | 0 | | 20.97 | 20.82 | 20.93 | | |
| 15 | 36 | 20 | | 20.89 | 20.82 | 20.88 | | |
| 15 | 36 | 39 | | 20.94 | 20.82 | 20.92 | | |
| 15 | 75 | 0 | | 20.90 | 20.78 | 20.83 | | |
| 15 | 1 | 0 | 256-QAM | 17.93 | 17.80 | 17.81 | 24.13 | 0.2588 |
| 15 | 1 | 37 | | 17.98 | 17.84 | 17.74 | | |
| 15 | 1 | 74 | | 18.00 | 18.00 | 17.83 | | |
| 15 | 36 | 0 | | 18.13 | 17.92 | 17.90 | | |
| 15 | 36 | 20 | | 17.96 | 17.97 | 17.94 | | |
| 15 | 36 | 39 | | 18.08 | 17.95 | 17.92 | | |
| 15 | 75 | 0 | | 18.09 | 18.01 | 17.93 | | |
| Limit | EIRP < 1W | | | Result | | | Pass | |

| LTE Band 42 Maximum Average Power [dBm] (GT - LC = 6 dB) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 10 | 1 | 0 | QPSK | 22.98 | 22.83 | 22.81 | 29.07 | 0.8072 |
| 10 | 1 | 25 | | 23.07 | 22.79 | 22.87 | | |
| 10 | 1 | 49 | | 22.93 | 22.94 | 22.90 | | |
| 10 | 25 | 0 | | 22.07 | 21.85 | 21.81 | | |
| 10 | 25 | 12 | | 22.10 | 21.91 | 21.80 | | |
| 10 | 25 | 25 | | 22.07 | 21.85 | 21.83 | | |
| 10 | 50 | 0 | | 22.10 | 21.90 | 21.86 | | |
| 10 | 1 | 0 | 16-QAM | 22.05 | 21.99 | 21.88 | 28.10 | 0.6457 |
| 10 | 1 | 25 | | 22.10 | 21.87 | 21.74 | | |
| 10 | 1 | 49 | | 22.07 | 21.97 | 22.02 | | |
| 10 | 25 | 0 | | 21.20 | 20.86 | 20.83 | | |
| 10 | 25 | 12 | | 21.06 | 20.93 | 20.90 | | |
| 10 | 25 | 25 | | 21.01 | 20.91 | 20.86 | | |
| 10 | 50 | 0 | | 21.03 | 20.83 | 20.84 | | |
| 10 | 1 | 0 | 64-QAM | 21.96 | 21.71 | 21.72 | 27.97 | 0.6266 |
| 10 | 1 | 25 | | 21.97 | 21.85 | 21.73 | | |
| 10 | 1 | 49 | | 21.85 | 21.94 | 21.76 | | |
| 10 | 25 | 0 | | 20.87 | 20.90 | 20.92 | | |
| 10 | 25 | 12 | | 20.96 | 20.90 | 20.83 | | |
| 10 | 25 | 25 | | 20.82 | 20.89 | 20.91 | | |
| 10 | 50 | 0 | | 21.00 | 20.78 | 20.84 | | |
| 10 | 1 | 0 | 256-QAM | 18.05 | 17.85 | 17.85 | 24.13 | 0.2588 |
| 10 | 1 | 25 | | 17.95 | 17.71 | 17.69 | | |
| 10 | 1 | 49 | | 18.13 | 17.83 | 17.83 | | |
| 10 | 25 | 0 | | 18.10 | 17.82 | 17.97 | | |
| 10 | 25 | 12 | | 18.05 | 17.97 | 17.94 | | |
| 10 | 25 | 25 | | 18.12 | 17.87 | 17.81 | | |
| 10 | 50 | 0 | | 18.12 | 17.97 | 17.81 | | |
| Limit | EIRP < 1W | | | Result | | | Pass | |

| LTE Band 42 Maximum Average Power [dBm] (GT - LC = 6 dB) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| BW [MHz] | RB Size | RB Offset | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| 5 | 1 | 0 | QPSK | 23.01 | 22.84 | 22.83 | 29.08 | 0.8091 |
| 5 | 1 | 12 | | 23.05 | 22.89 | 22.93 | | |
| 5 | 1 | 24 | | 23.08 | 22.93 | 22.81 | | |
| 5 | 12 | 0 | | 22.09 | 21.81 | 21.94 | | |
| 5 | 12 | 7 | | 22.02 | 21.90 | 21.84 | | |
| 5 | 12 | 13 | | 22.09 | 21.98 | 21.84 | | |
| 5 | 25 | 0 | | 22.09 | 21.98 | 21.91 | | |
| 5 | 1 | 0 | 16-QAM | 22.09 | 22.01 | 21.84 | 28.09 | 0.6442 |
| 5 | 1 | 12 | | 21.95 | 21.77 | 21.75 | | |
| 5 | 1 | 24 | | 22.05 | 21.97 | 21.88 | | |
| 5 | 12 | 0 | | 21.15 | 20.92 | 20.94 | | |
| 5 | 12 | 7 | | 21.09 | 20.98 | 20.92 | | |
| 5 | 12 | 13 | | 21.12 | 20.89 | 20.95 | | |
| 5 | 25 | 0 | | 21.00 | 20.95 | 20.86 | | |
| 5 | 1 | 0 | 64-QAM | 21.84 | 21.74 | 21.68 | 27.95 | 0.6237 |
| 5 | 1 | 12 | | 21.95 | 21.80 | 21.72 | | |
| 5 | 1 | 24 | | 21.82 | 21.88 | 21.79 | | |
| 5 | 12 | 0 | | 21.00 | 20.93 | 20.90 | | |
| 5 | 12 | 7 | | 20.82 | 20.88 | 20.95 | | |
| 5 | 12 | 13 | | 20.88 | 20.96 | 20.98 | | |
| 5 | 25 | 0 | | 20.97 | 20.82 | 20.85 | | |
| 5 | 1 | 0 | 256-QAM | 17.95 | 17.90 | 17.83 | 24.17 | 0.2612 |
| 5 | 1 | 12 | | 18.02 | 17.70 | 17.79 | | |
| 5 | 1 | 24 | | 18.17 | 17.80 | 17.95 | | |
| 5 | 12 | 0 | | 18.11 | 17.82 | 17.97 | | |
| 5 | 12 | 7 | | 18.14 | 17.96 | 17.90 | | |
| 5 | 12 | 13 | | 18.10 | 17.98 | 17.92 | | |
| 5 | 25 | 0 | | 18.02 | 17.84 | 17.80 | | |
| Limit | EIRP < 1W | | | Result | | | Pass | |

| LTE Band 42C_CA Maximum Average Power [dBm] (GT - LC = 6 dB) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| BW [MHz] | PCC | | SCC | | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| | RB Size | RB Offset | RB Size | RB Offset | | | | | | |
| 20+20 | 100 | 0 | 100 | 0 | QPSK | 23.25 | 23.13 | 23.01 | 29.25 | 0.8414 |
| 20+20 | 1 | 0 | 1 | 99 | | 11.30 | 11.20 | 11.03 | | |
| 20+20 | 1 | 99 | 1 | 0 | | 11.13 | 11.01 | 10.91 | | |
| 20+20 | 100 | 0 | 100 | 0 | 16-QAM | 22.22 | 22.13 | 22.00 | 28.22 | 0.6637 |
| 20+20 | 1 | 0 | 1 | 99 | | 11.71 | 11.72 | 11.59 | | |
| 20+20 | 1 | 99 | 1 | 0 | | 11.65 | 11.49 | 11.38 | | |
| 20+20 | 100 | 0 | 100 | 0 | 64-QAM | 22.21 | 22.09 | 22.01 | 28.21 | 0.6622 |
| 20+20 | 1 | 0 | 1 | 99 | | 11.79 | 11.63 | 11.46 | | |
| 20+20 | 1 | 99 | 1 | 0 | | 11.60 | 11.37 | 11.44 | | |
| 20+20 | 100 | 0 | 100 | 0 | 256-QAM | 20.25 | 20.12 | 19.97 | 26.25 | 0.4217 |
| 20+20 | 1 | 0 | 1 | 99 | | 11.59 | 11.38 | 11.33 | | |
| 20+20 | 1 | 99 | 1 | 0 | | 11.39 | 11.38 | 11.23 | | |
| 20+15 | 100 | 0 | 75 | 0 | QPSK | 23.23 | 23.16 | 22.98 | 29.23 | 0.8375 |
| 20+15 | 1 | 0 | 1 | 74 | | 11.32 | 11.22 | 11.04 | | |
| 20+15 | 1 | 74 | 1 | 0 | | 11.19 | 10.99 | 10.89 | | |
| 20+15 | 100 | 0 | 75 | 0 | 16-QAM | 22.26 | 22.14 | 22.03 | 28.26 | 0.6699 |
| 20+15 | 1 | 0 | 1 | 74 | | 11.85 | 11.66 | 11.51 | | |
| 20+15 | 1 | 74 | 1 | 0 | | 11.71 | 11.54 | 11.35 | | |
| 20+15 | 100 | 0 | 75 | 0 | 64-QAM | 22.22 | 22.09 | 22.00 | 28.22 | 0.6637 |
| 20+15 | 1 | 0 | 1 | 74 | | 11.77 | 11.70 | 11.45 | | |
| 20+15 | 1 | 74 | 1 | 0 | | 11.61 | 11.37 | 11.33 | | |
| 20+15 | 100 | 0 | 75 | 0 | 256-QAM | 20.25 | 20.12 | 20.03 | 26.25 | 0.4217 |
| 20+15 | 1 | 0 | 1 | 74 | | 11.65 | 11.43 | 11.42 | | |
| 20+15 | 1 | 74 | 1 | 0 | | 11.35 | 11.24 | 11.13 | | |
| 15+20 | 75 | 0 | 100 | 0 | QPSK | 23.31 | 23.18 | 23.03 | 29.31 | 0.8531 |
| 15+20 | 1 | 0 | 1 | 99 | | 11.32 | 11.24 | 11.06 | | |
| 15+20 | 1 | 74 | 1 | 0 | | 11.32 | 11.13 | 10.94 | | |
| 15+20 | 75 | 0 | 100 | 0 | 16-QAM | 22.29 | 22.22 | 22.03 | 28.29 | 0.6745 |
| 15+20 | 1 | 0 | 1 | 99 | | 11.91 | 11.69 | 11.57 | | |
| 15+20 | 1 | 74 | 1 | 0 | | 11.66 | 11.61 | 11.46 | | |
| 15+20 | 75 | 0 | 100 | 0 | 64-QAM | 22.28 | 22.18 | 22.03 | 28.28 | 0.6730 |
| 15+20 | 1 | 0 | 1 | 99 | | 11.75 | 11.55 | 11.41 | | |
| 15+20 | 1 | 74 | 1 | 0 | | 11.70 | 11.63 | 11.55 | | |
| 15+20 | 75 | 0 | 100 | 0 | 256-QAM | 20.28 | 20.17 | 20.08 | 26.28 | 0.4246 |
| 15+20 | 1 | 0 | 1 | 99 | | 11.61 | 11.49 | 11.45 | | |
| 15+20 | 1 | 74 | 1 | 0 | | 11.62 | 11.36 | 11.46 | | |
| Limit | EIRP < 1W | | | | | Result | | | Pass | |

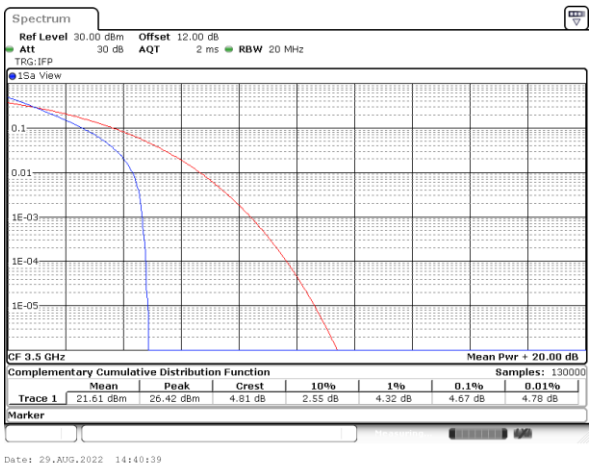
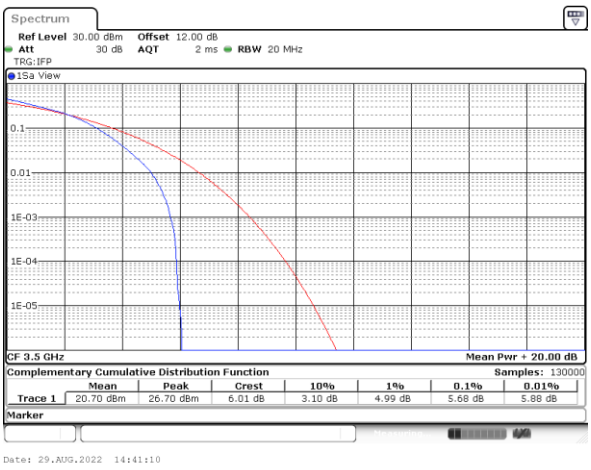
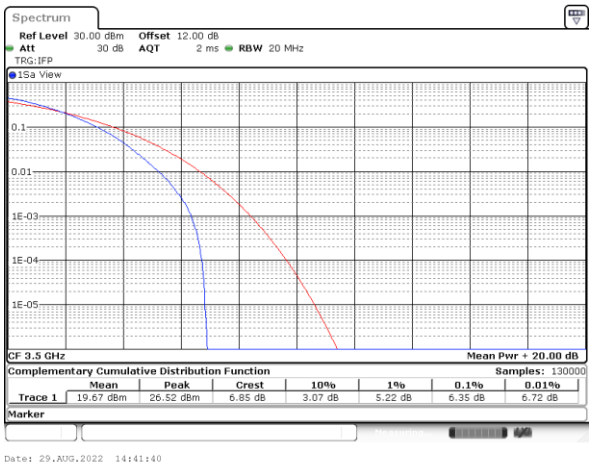
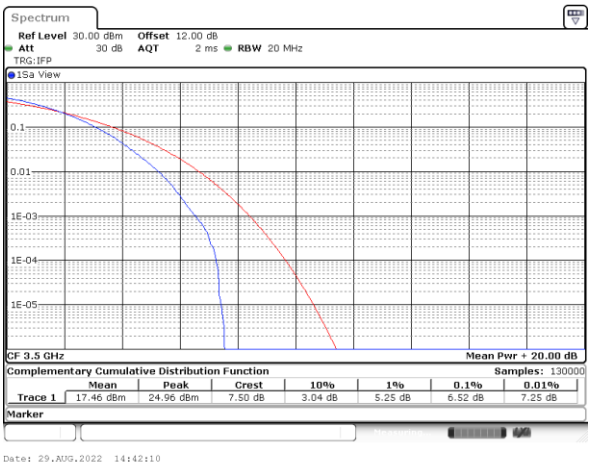
| LTE Band 42C_CA Maximum Average Power [dBm] (GT - LC = 6 dB) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| BW [MHz] | PCC | | SCC | | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| | RB Size | RB Offset | RB Size | RB Offset | | | | | | |
| 20+10 | 100 | 0 | 50 | 0 | QPSK | 23.34 | 23.22 | 23.08 | 29.34 | 0.8590 |
| 20+10 | 1 | 0 | 1 | 49 | | 11.44 | 11.33 | 11.13 | | |
| 20+10 | 1 | 99 | 1 | 0 | | 11.32 | 11.11 | 10.94 | | |
| 20+10 | 100 | 0 | 50 | 0 | 16-QAM | 22.33 | 22.19 | 22.09 | 28.33 | 0.6808 |
| 20+10 | 1 | 0 | 1 | 49 | | 11.86 | 11.79 | 11.66 | | |
| 20+10 | 1 | 99 | 1 | 0 | | 11.69 | 11.62 | 11.41 | | |
| 20+10 | 100 | 0 | 50 | 0 | 64-QAM | 22.33 | 22.16 | 22.07 | 28.33 | 0.6808 |
| 20+10 | 1 | 0 | 1 | 49 | | 11.93 | 11.86 | 11.64 | | |
| 20+10 | 1 | 99 | 1 | 0 | | 11.64 | 11.63 | 11.49 | | |
| 20+10 | 100 | 0 | 50 | 0 | 256-QAM | 20.29 | 20.18 | 20.09 | 26.29 | 0.4256 |
| 20+10 | 1 | 0 | 1 | 49 | | 11.78 | 11.53 | 11.51 | | |
| 20+10 | 1 | 99 | 1 | 0 | | 11.56 | 11.34 | 11.22 | | |
| 10+20 | 50 | 0 | 100 | 0 | QPSK | 23.46 | 23.33 | 23.16 | 29.46 | 0.8831 |
| 10+20 | 1 | 0 | 1 | 99 | | 11.52 | 11.38 | 11.22 | | |
| 10+20 | 1 | 49 | 1 | 0 | | 11.50 | 11.27 | 11.10 | | |
| 10+20 | 50 | 0 | 100 | 0 | 16-QAM | 22.46 | 22.33 | 22.18 | 28.46 | 0.7015 |
| 10+20 | 1 | 0 | 1 | 99 | | 12.03 | 11.95 | 11.77 | | |
| 10+20 | 1 | 49 | 1 | 0 | | 11.88 | 11.86 | 11.63 | | |
| 10+20 | 50 | 0 | 100 | 0 | 64-QAM | 22.45 | 22.30 | 22.18 | 28.45 | 0.6998 |
| 10+20 | 1 | 0 | 1 | 99 | | 11.99 | 11.91 | 11.67 | | |
| 10+20 | 1 | 49 | 1 | 0 | | 11.90 | 11.73 | 11.55 | | |
| 10+20 | 50 | 0 | 100 | 0 | 256-QAM | 20.45 | 20.32 | 20.15 | 26.45 | 0.4416 |
| 10+20 | 1 | 0 | 1 | 99 | | 11.74 | 11.71 | 11.56 | | |
| 10+20 | 1 | 49 | 1 | 0 | | 11.72 | 11.43 | 11.50 | | |
| 20+5 | 100 | 0 | 25 | 0 | QPSK | 23.46 | 23.31 | 23.19 | 29.46 | 0.8831 |
| 20+5 | 1 | 0 | 1 | 24 | | 11.49 | 11.37 | 11.24 | | |
| 20+5 | 1 | 99 | 1 | 0 | | 11.44 | 11.23 | 11.61 | | |
| 20+5 | 100 | 0 | 25 | 0 | 16-QAM | 22.43 | 22.31 | 22.17 | 28.43 | 0.6966 |
| 20+5 | 1 | 0 | 1 | 24 | | 11.91 | 11.87 | 11.68 | | |
| 20+5 | 1 | 99 | 1 | 0 | | 11.92 | 11.71 | 11.61 | | |
| 20+5 | 100 | 0 | 25 | 0 | 64-QAM | 22.43 | 22.29 | 22.22 | 28.43 | 0.6966 |
| 20+5 | 1 | 0 | 1 | 24 | | 11.86 | 11.89 | 11.70 | | |
| 20+5 | 1 | 99 | 1 | 0 | | 11.82 | 11.81 | 11.47 | | |
| 20+5 | 100 | 0 | 25 | 0 | 256-QAM | 20.40 | 20.31 | 20.19 | 26.40 | 0.4365 |
| 20+5 | 1 | 0 | 1 | 24 | | 11.84 | 11.70 | 11.46 | | |
| 20+5 | 1 | 99 | 1 | 0 | | 11.67 | 11.57 | 11.11 | | |
| Limit | EIRP < 1W | | | | | Result | | | Pass | |

| LTE Band 42C_CA Maximum Average Power [dBm] (GT - LC = 6 dB) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| BW [MHz] | PCC | | SCC | | Mod | Lowest | Middle | Highest | EIRP (dBm) | EIRP (W) |
| | RB Size | RB Offset | RB Size | RB Offset | | | | | | |
| 5+20 | 25 | 0 | 100 | 0 | QPSK | 23.45 | 23.39 | 23.23 | 29.45 | 0.8810 |
| 5+20 | 1 | 0 | 1 | 99 | | 11.55 | 11.37 | 11.24 | | |
| 5+20 | 1 | 24 | 1 | 0 | | 11.51 | 11.38 | 11.25 | | |
| 5+20 | 25 | 0 | 100 | 0 | 16-QAM | 22.47 | 22.39 | 22.27 | 28.47 | 0.7031 |
| 5+20 | 1 | 0 | 1 | 99 | | 12.13 | 11.87 | 11.86 | | |
| 5+20 | 1 | 24 | 1 | 0 | | 12.12 | 11.87 | 11.70 | | |
| 5+20 | 25 | 0 | 100 | 0 | 64-QAM | 22.45 | 22.35 | 22.24 | 28.45 | 0.6998 |
| 5+20 | 1 | 0 | 1 | 99 | | 11.95 | 11.86 | 11.76 | | |
| 5+20 | 1 | 24 | 1 | 0 | | 12.10 | 11.86 | 11.75 | | |
| 5+20 | 25 | 0 | 100 | 0 | 256-QAM | 20.45 | 20.37 | 20.24 | 26.45 | 0.4416 |
| 5+20 | 1 | 0 | 1 | 99 | | 11.87 | 11.68 | 11.54 | | |
| 5+20 | 1 | 24 | 1 | 0 | | 11.86 | 11.51 | 11.52 | | |
| Limit | EIRP < 1W | | | | | Result | | | Pass | |

# LTE Band 42

## Peak-to-Average Ratio

| Mode | LTE Band 42 / 20MHz | | | | |
|---|---|---|---|---|---|
| Mod. | QPSK | 16QAM | 64QAM | 256QAM | Limit: 13dB |
| RB Size | Full RB | Full RB | Full RB | Full RB | Result |
| Middle CH | 4.67 | 5.68 | 6.35 | 6.52 | PASS |

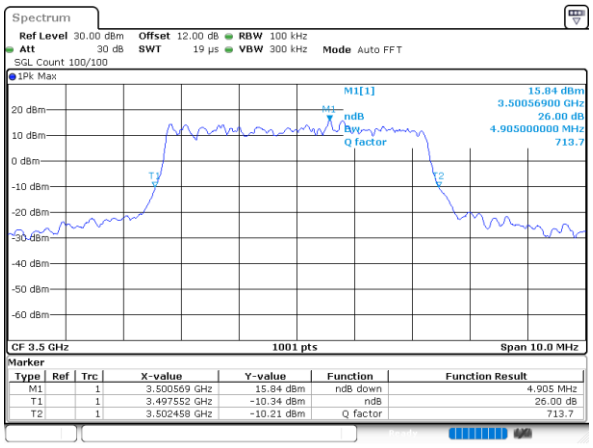
| LTE Band 42 / 20MHz / QPSK | LTE Band 42 / 20MHz / 16QAM |
|---|---|
| Middle Channel / Full RB | Middle Channel / Full RB |
|  |  |
| LTE Band 42 / 20MHz / 64QAM | LTE Band 42 / 20MHz / 256QAM |
| Middle Channel / Full RB | Middle Channel / Full RB |
|  |  |

# 26dB Bandwidth

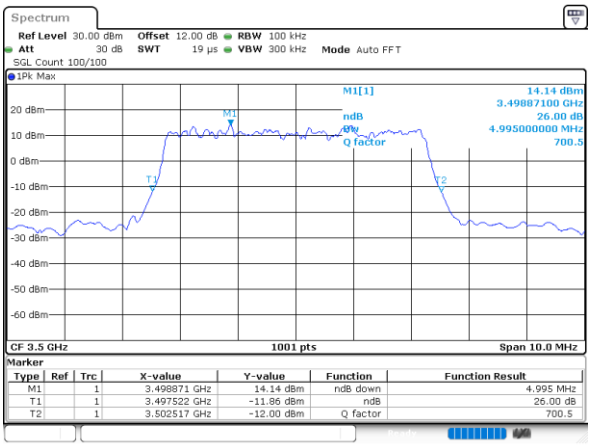
| Mode | LTE Band 42 : 26dB BW(MHz) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Middle CH | - | - | - | - | 4.91 | 5.00 | 9.65 | 9.77 | 14.42 | 14.33 | 19.46 | 18.70 |
| Mode | LTE Band 42 : 26dB BW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | - | - | - | - | 5.04 | 4.79 | 9.65 | 10.19 | 14.21 | 14.57 | 18.66 | 18.78 |

## LTE Band 42

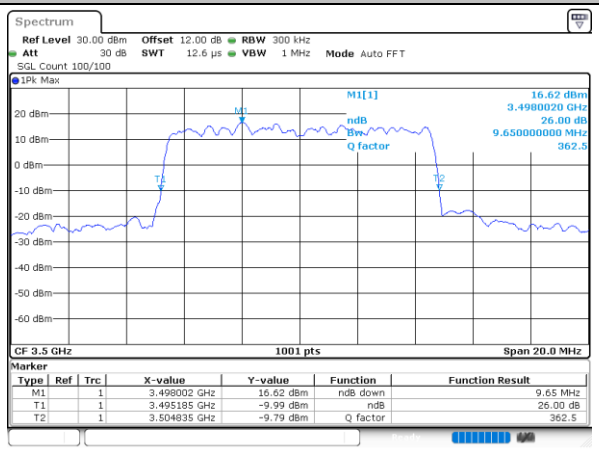
### Middle Channel / 5MHz / QPSK



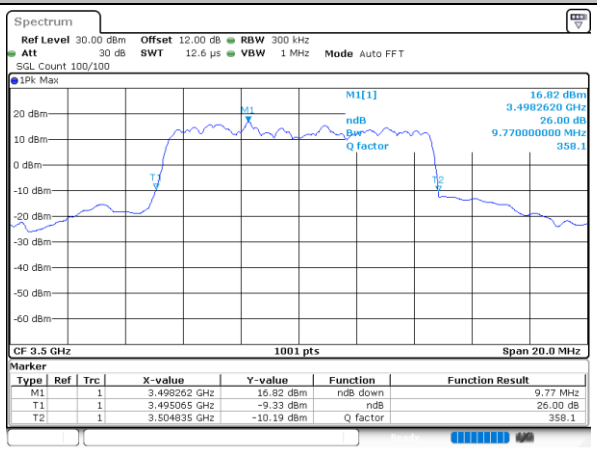

### Middle Channel / 5MHz / 16QAM



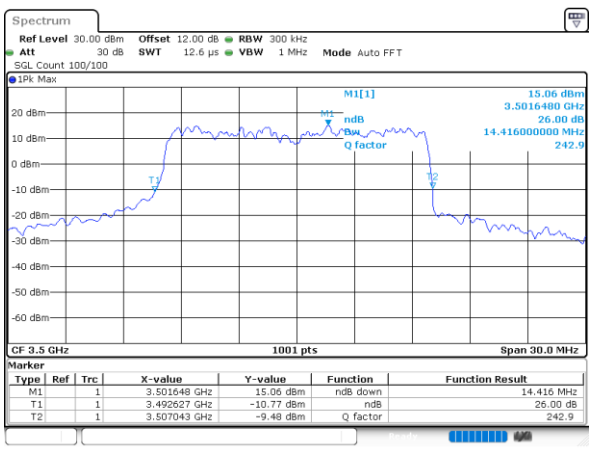

### Middle Channel / 10MHz / QPSK



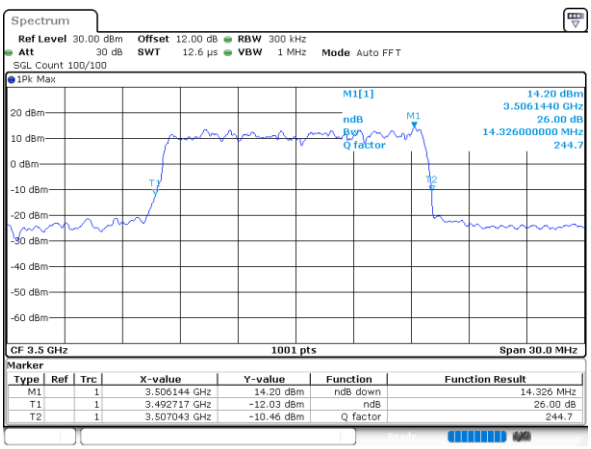

### Middle Channel / 10MHz / 16QAM




### Middle Channel / 15MHz / QPSK

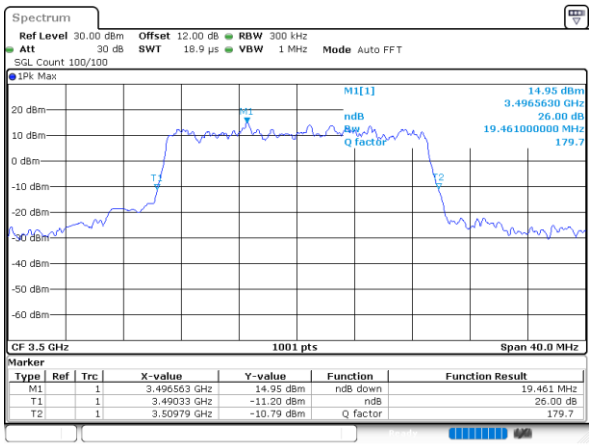



### Middle Channel / 15MHz / 16QAM

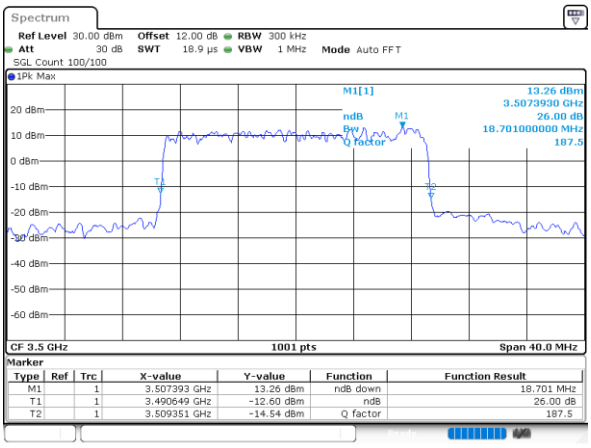


## LTE Band 42

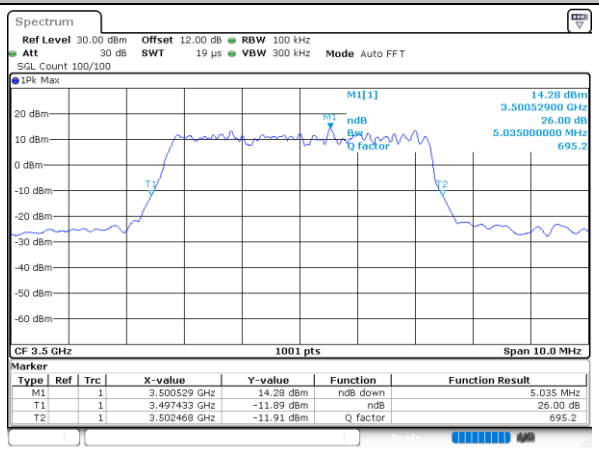
### Middle Channel / 20MHz / QPSK



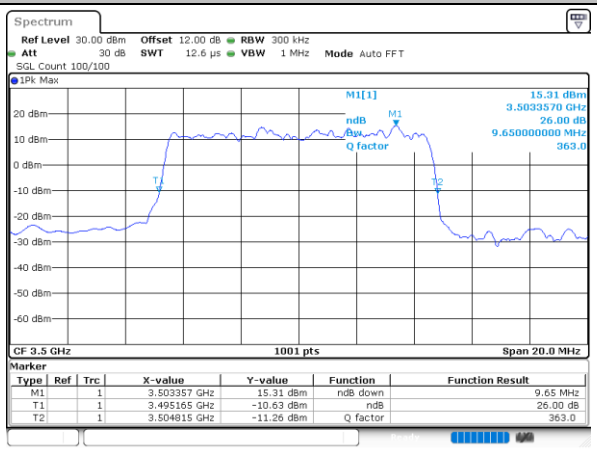

### Middle Channel / 20MHz / 16QAM



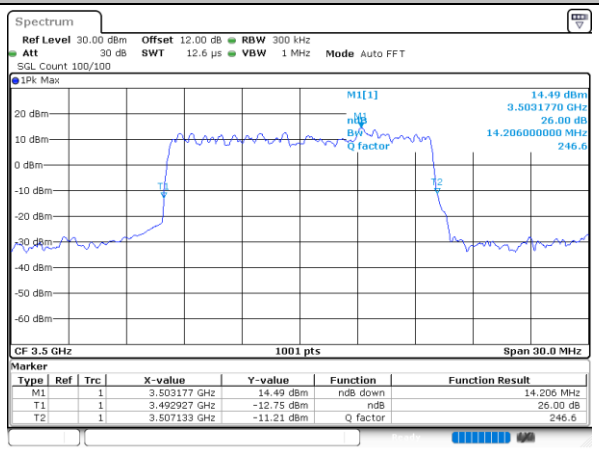

### Middle Channel / 5MHz / 64QAM



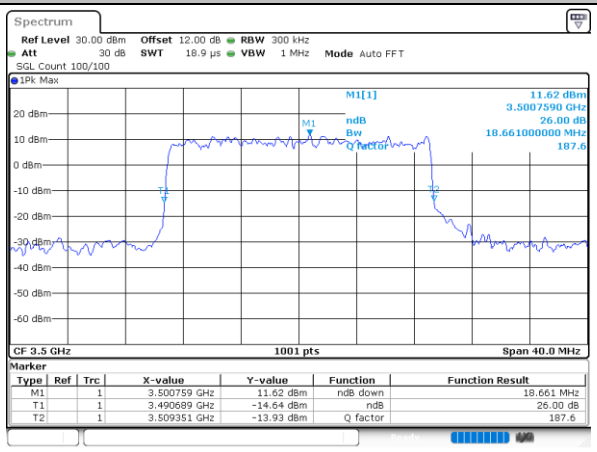

### Middle Channel / 10MHz / 64QAM




### Middle Channel / 15MHz / 64QAM

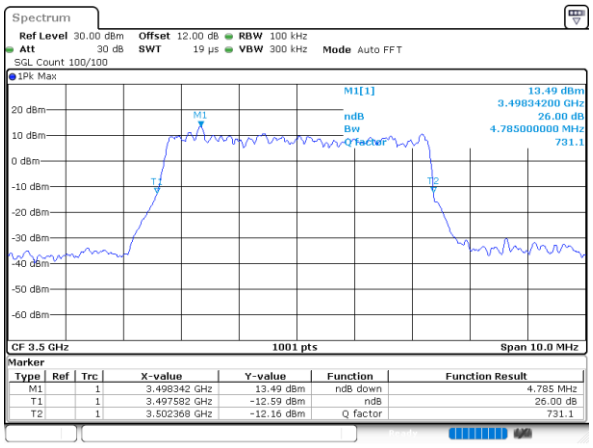



### Middle Channel / 20MHz / 64QAM

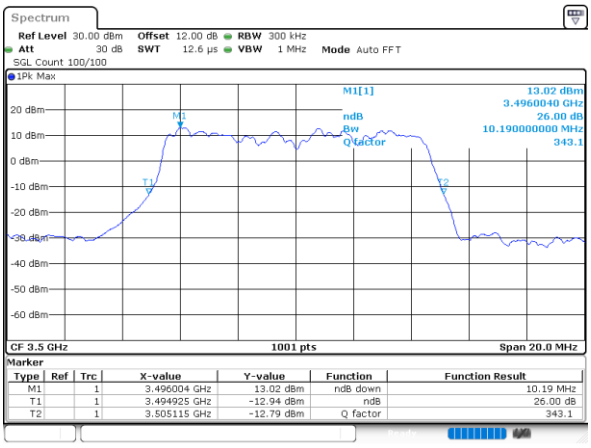


## LTE Band 42

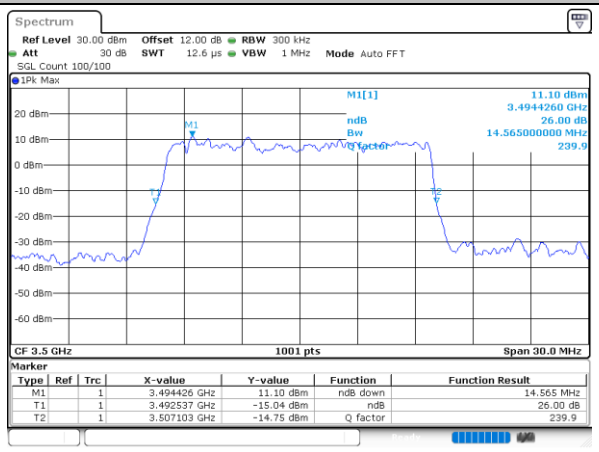
### Middle Channel / 5MHz / 256QAM



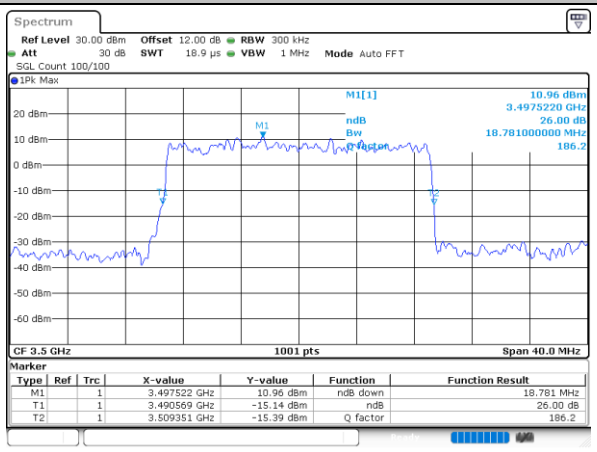

### Middle Channel / 10MHz / 256QAM




### Middle Channel / 15MHz / 256QAM




### Middle Channel / 20MHz / 256QAM

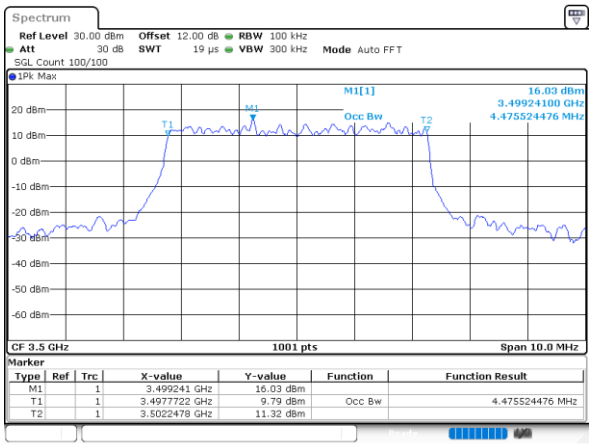


# Occupied Bandwidth

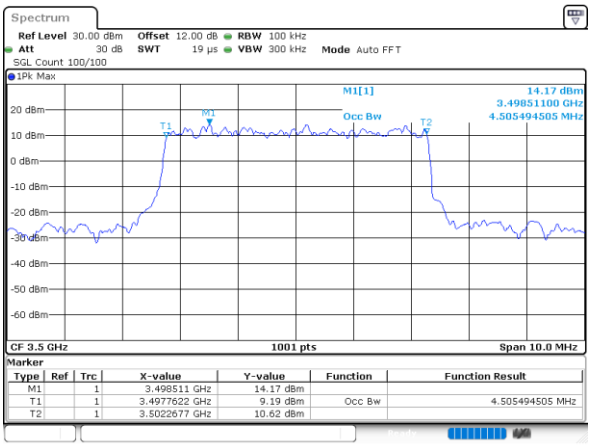
| Mode | LTE Band 42 : 99%OBW(MHz) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Middle CH | - | - | - | - | 4.48 | 4.51 | 9.05 | 9.03 | 13.46 | 13.37 | 17.94 | 17.98 |
| Mode | LTE Band 42 : 99%OBW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | - | - | - | - | 4.49 | 4.46 | 9.11 | 9.07 | 13.46 | 13.49 | 17.98 | 17.94 |

## LTE Band 42

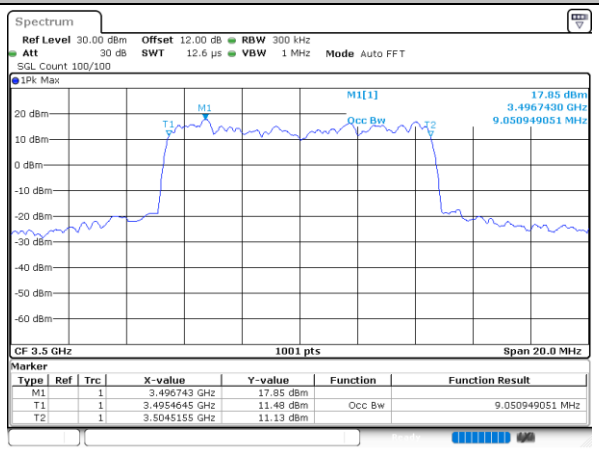
### Middle Channel / 5MHz / QPSK



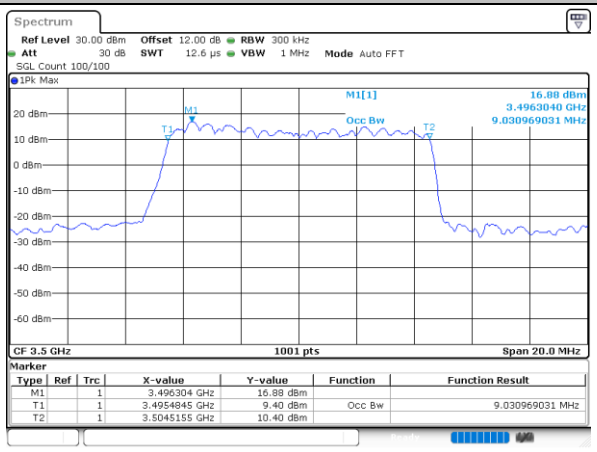

### Middle Channel / 5MHz / 16QAM



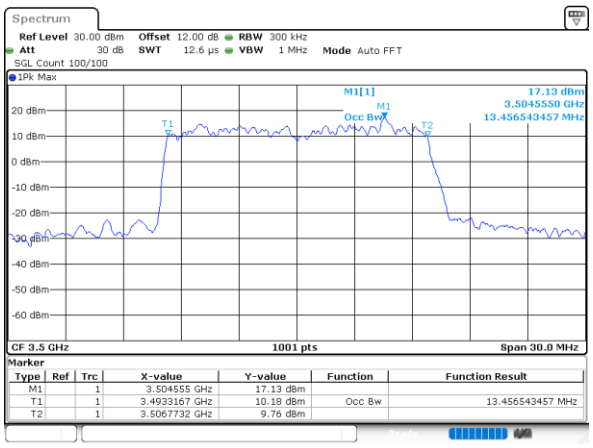

### Middle Channel / 10MHz / QPSK



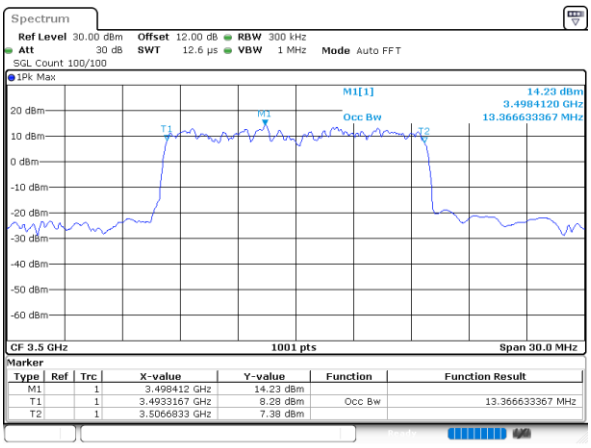

### Middle Channel / 10MHz / 16QAM




### Middle Channel / 15MHz / QPSK

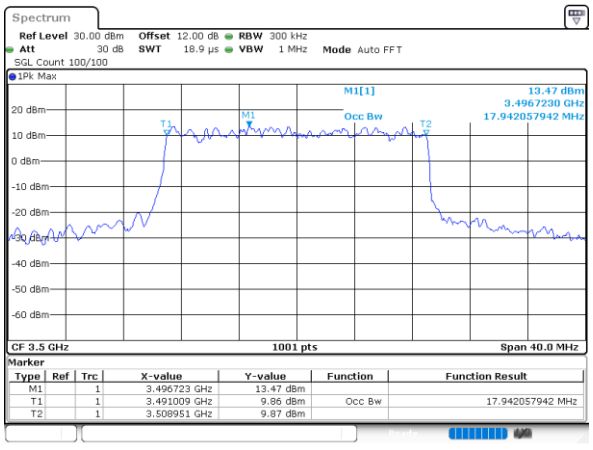



### Middle Channel / 15MHz / 16QAM

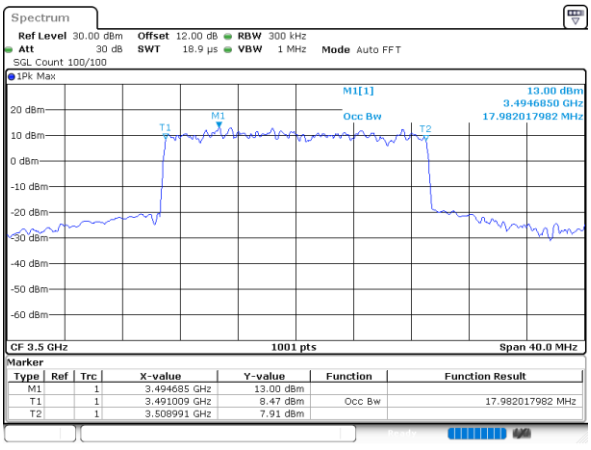


## LTE Band 42

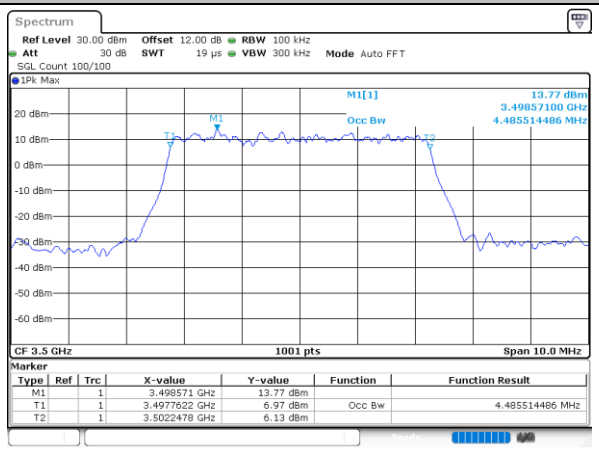
### Middle Channel / 20MHz / QPSK



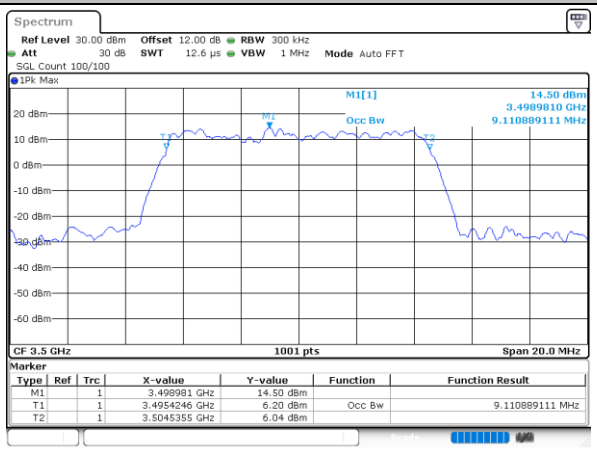

### Middle Channel / 20MHz / 16QAM



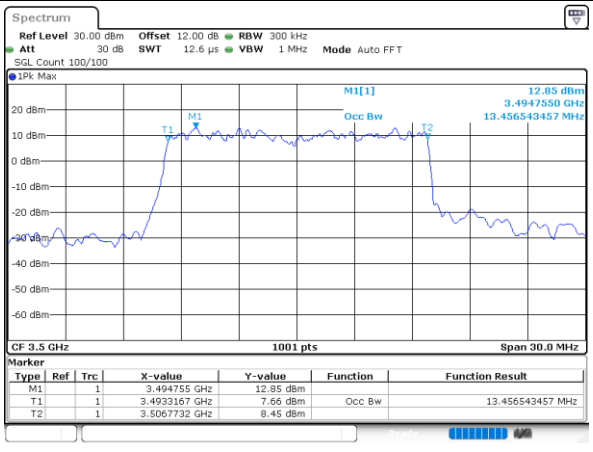

### Middle Channel / 5MHz / 64QAM



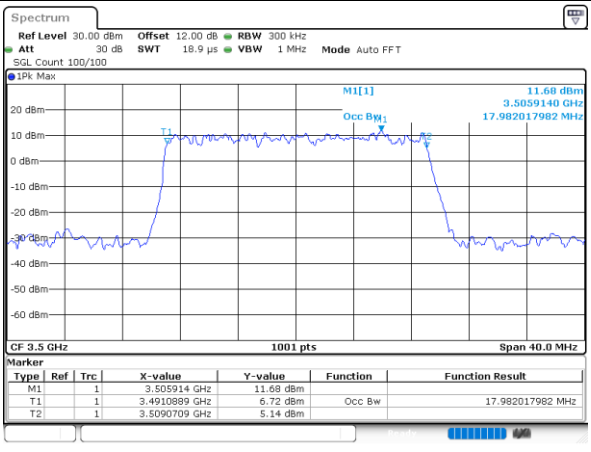

### Middle Channel / 10MHz / 64QAM




### Middle Channel / 15MHz / 64QAM

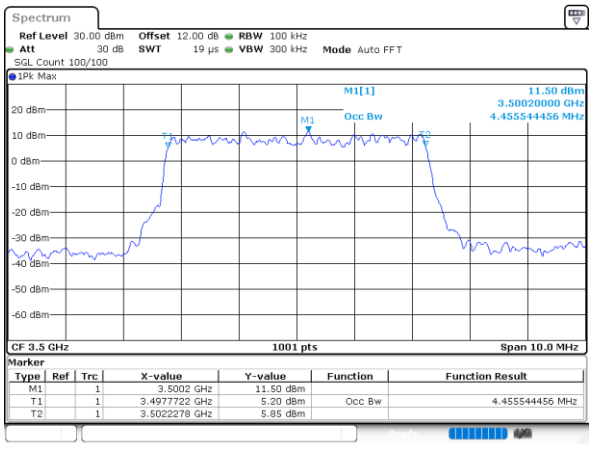



### Middle Channel / 20MHz / 64QAM

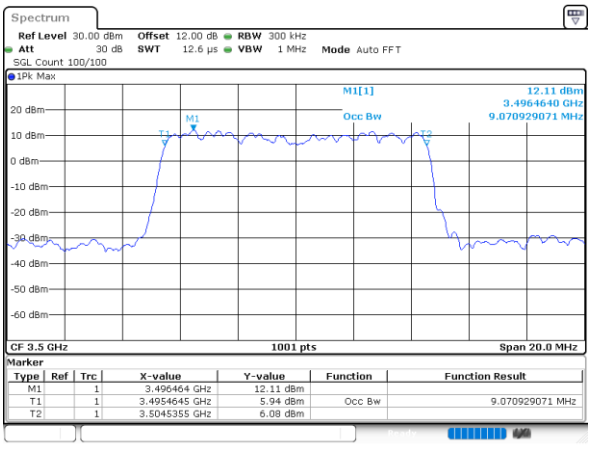


## LTE Band 42

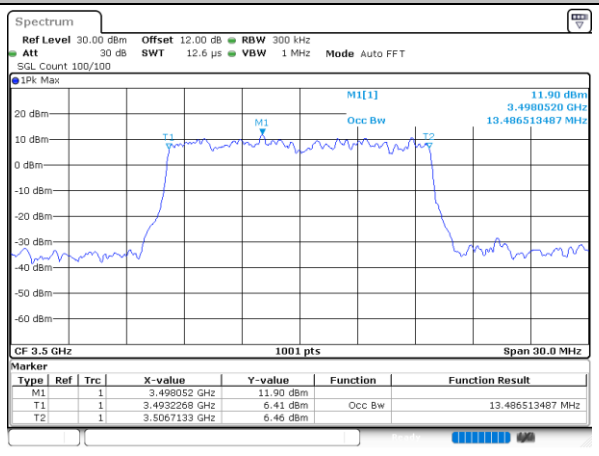
### Middle Channel / 5MHz / 256QAM



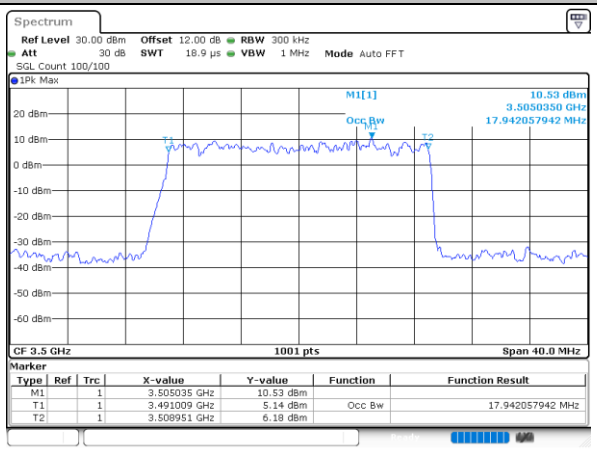

### Middle Channel / 10MHz / 256QAM




### Middle Channel / 15MHz / 256QAM



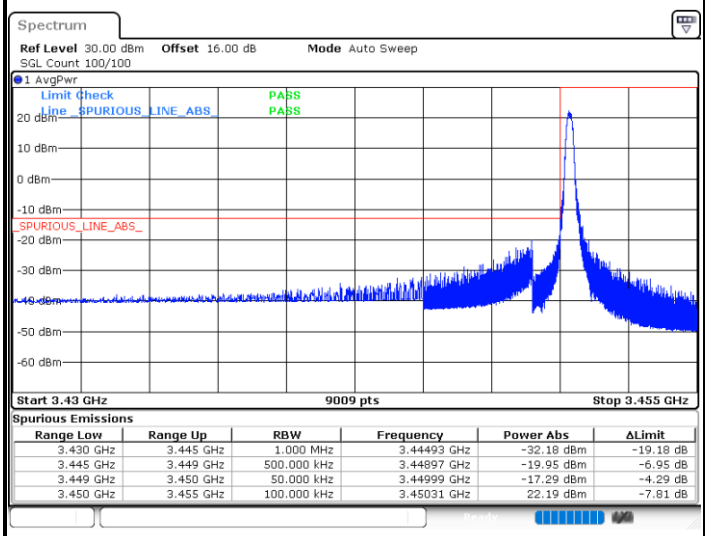

### Middle Channel / 20MHz / 256QAM



# Conducted Band Edge

## LTE Band 42 / 5MHz / QPSK

### Lowest Band Edge / 1 RB

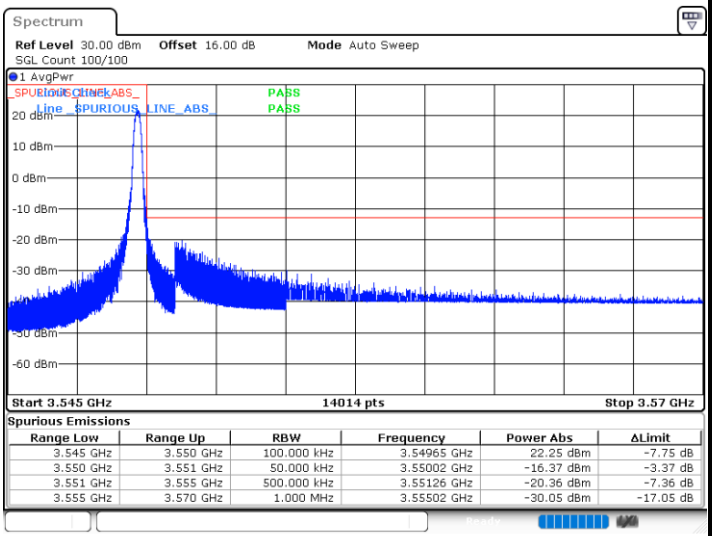



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44493 GHz | -32.18 dBm | -19.18 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44897 GHz | -19.95 dBm | -6.95 dB |
| 3.449 GHz | 3.450 GHz | 50.000 kHz | 3.44999 GHz | -17.29 dBm | -4.29 dB |
| 3.450 GHz | 3.455 GHz | 100.000 kHz | 3.45031 GHz | 22.19 dBm | -7.81 dB |

Date: 29.AUG.2022 11:47:23

### Highest Band Edge / 1 RB

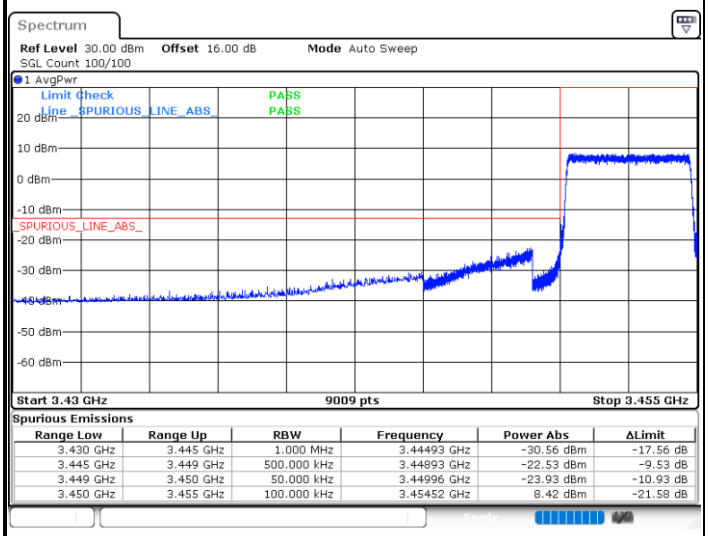



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.545 GHz | 3.550 GHz | 100.000 kHz | 3.54965 GHz | 22.25 dBm | -7.75 dB |
| 3.550 GHz | 3.551 GHz | 50.000 kHz | 3.55002 GHz | -16.37 dBm | -3.37 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55126 GHz | -20.36 dBm | -7.36 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55502 GHz | -30.05 dBm | -17.05 dB |

Date: 29.AUG.2022 12:06:40

### Lowest Band Edge / Full RB

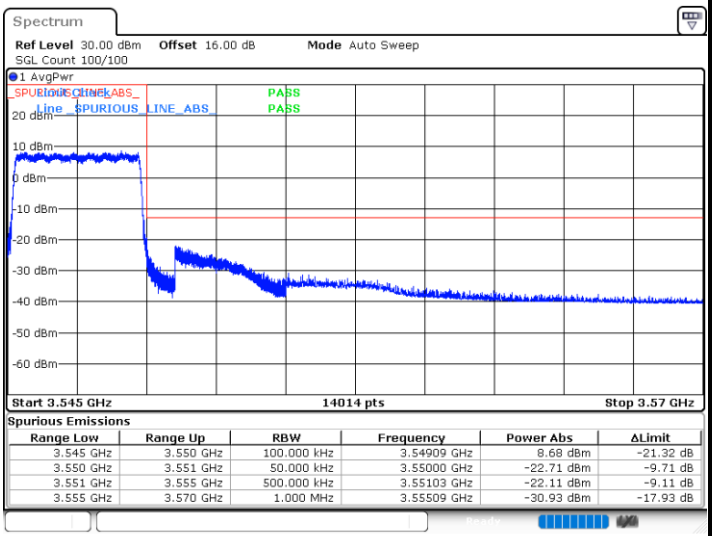



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44493 GHz | -30.56 dBm | -17.56 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44893 GHz | -22.53 dBm | -9.53 dB |
| 3.449 GHz | 3.450 GHz | 50.000 kHz | 3.44996 GHz | -23.93 dBm | -10.93 dB |
| 3.450 GHz | 3.455 GHz | 100.000 kHz | 3.45452 GHz | 8.42 dBm | -21.58 dB |

Date: 29.AUG.2022 11:51:39

### Highest Band Edge / Full RB



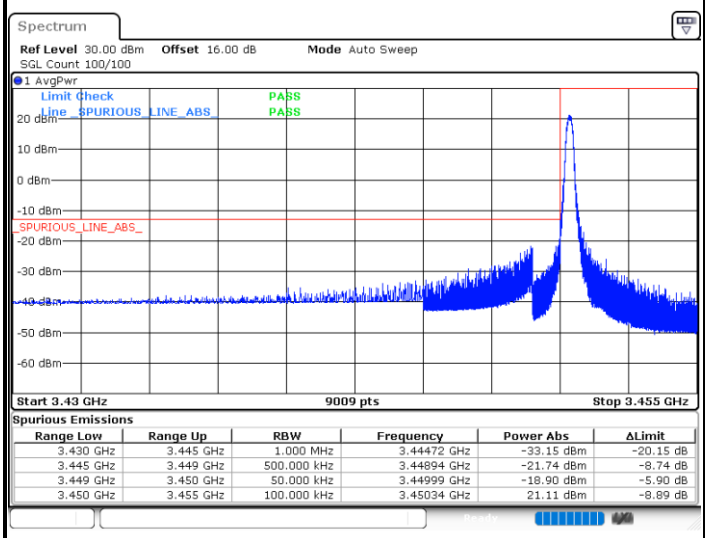

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.545 GHz | 3.550 GHz | 100.000 kHz | 3.54909 GHz | 8.68 dBm | -21.32 dB |
| 3.550 GHz | 3.551 GHz | 50.000 kHz | 3.55000 GHz | -22.71 dBm | -9.71 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55103 GHz | -22.11 dBm | -9.11 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55509 GHz | -30.93 dBm | -17.93 dB |

Date: 29.AUG.2022 12:10:55

## LTE Band 42 / 5MHz / 16QAM

### Lowest Band Edge / 1RB

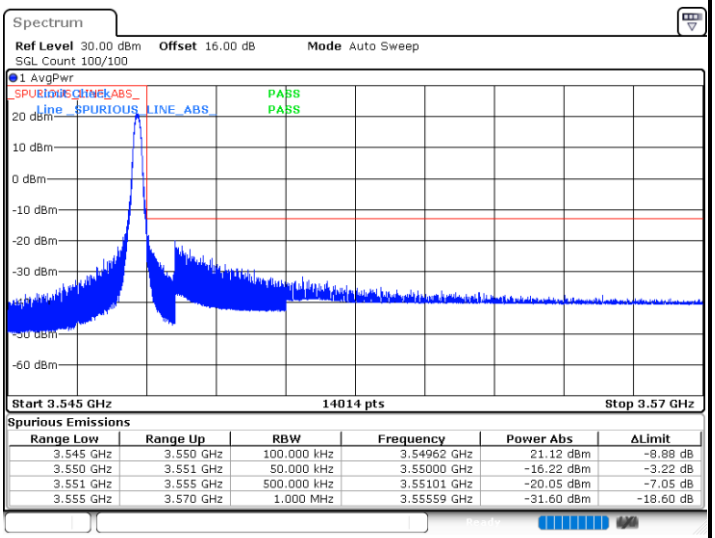



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44472 GHz | -33.15 dBm | -20.15 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44894 GHz | -21.74 dBm | -8.74 dB |
| 3.449 GHz | 3.450 GHz | 50.000 kHz | 3.44999 GHz | -18.90 dBm | -5.90 dB |
| 3.450 GHz | 3.455 GHz | 100.000 kHz | 3.45034 GHz | 21.11 dBm | -8.89 dB |

Date: 29.AUG.2022 11:48:27

### Highest Band Edge / 1 RB

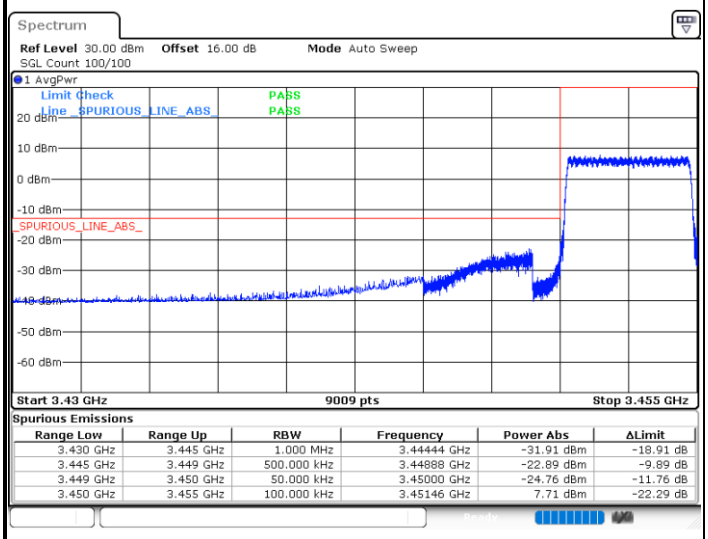



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.545 GHz | 3.550 GHz | 100.000 kHz | 3.54962 GHz | 21.12 dBm | -8.88 dB |
| 3.550 GHz | 3.551 GHz | 50.000 kHz | 3.55000 GHz | -16.22 dBm | -3.22 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55101 GHz | -20.05 dBm | -7.05 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55559 GHz | -31.60 dBm | -18.60 dB |

Date: 29.AUG.2022 12:07:43

### Lowest Band Edge / Full RB

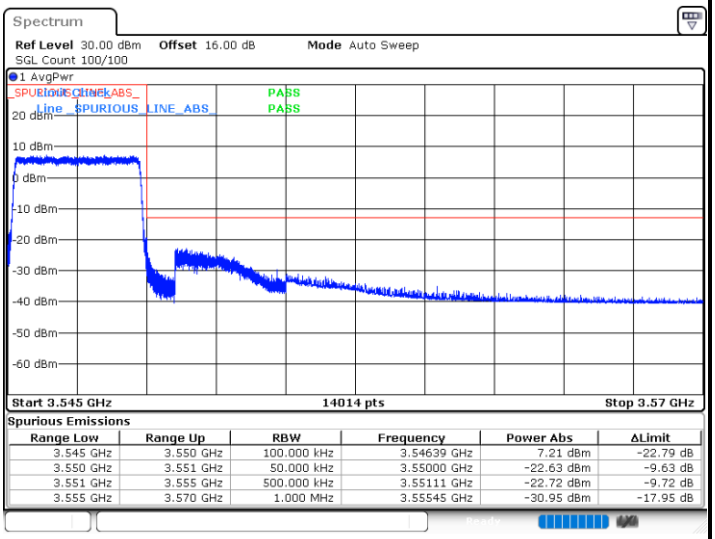



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44444 GHz | -31.91 dBm | -18.91 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44888 GHz | -22.89 dBm | -9.89 dB |
| 3.449 GHz | 3.450 GHz | 50.000 kHz | 3.45000 GHz | -24.76 dBm | -11.76 dB |
| 3.450 GHz | 3.455 GHz | 100.000 kHz | 3.45146 GHz | 7.71 dBm | -22.29 dB |

Date: 29.AUG.2022 11:52:42

### Highest Band Edge / Full RB



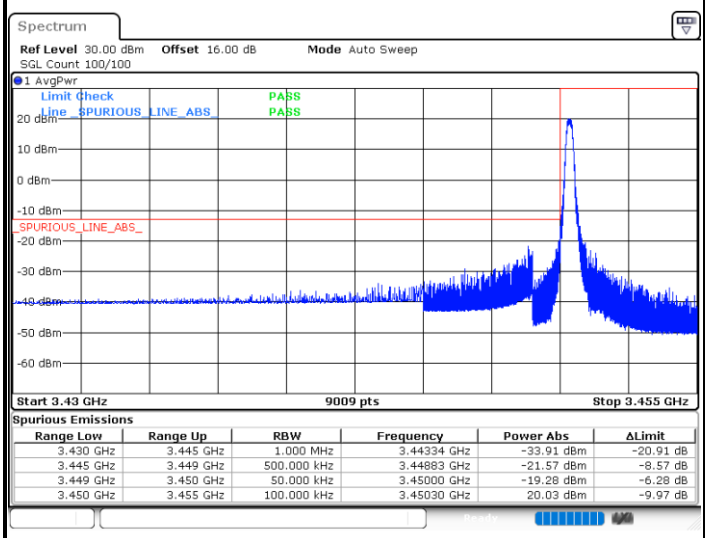

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.545 GHz | 3.550 GHz | 100.000 kHz | 3.54639 GHz | 7.21 dBm | -22.79 dB |
| 3.550 GHz | 3.551 GHz | 50.000 kHz | 3.55000 GHz | -22.63 dBm | -9.63 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55111 GHz | -22.72 dBm | -9.72 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55545 GHz | -30.95 dBm | -17.95 dB |

Date: 29.AUG.2022 12:11:59

## LTE Band 42 / 5MHz / 64QAM

### Lowest Band Edge / 1RB

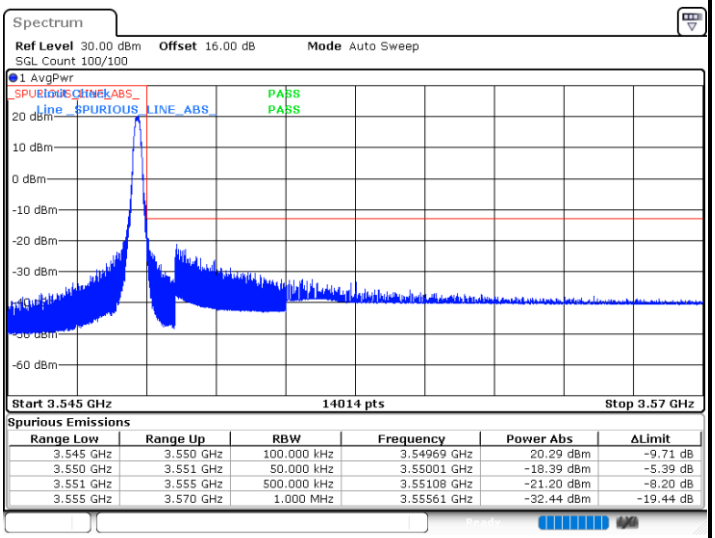



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44334 GHz | -33.91 dBm | -20.91 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44883 GHz | -21.57 dBm | -8.57 dB |
| 3.449 GHz | 3.450 GHz | 50.000 kHz | 3.45000 GHz | -19.28 dBm | -6.28 dB |
| 3.450 GHz | 3.455 GHz | 100.000 kHz | 3.45030 GHz | 20.03 dBm | -9.97 dB |

Date: 29.AUG.2022 11:49:30

### Highest Band Edge / 1 RB

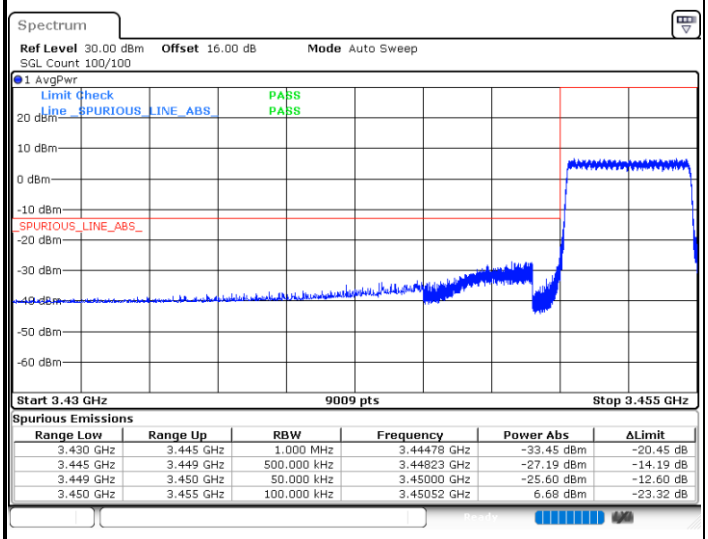



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.545 GHz | 3.550 GHz | 100.000 kHz | 3.54969 GHz | 20.29 dBm | -9.71 dB |
| 3.550 GHz | 3.551 GHz | 50.000 kHz | 3.55001 GHz | -18.39 dBm | -5.39 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55108 GHz | -21.20 dBm | -8.20 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55561 GHz | -32.44 dBm | -19.44 dB |

Date: 29.AUG.2022 12:08:46

### Lowest Band Edge / Full RB

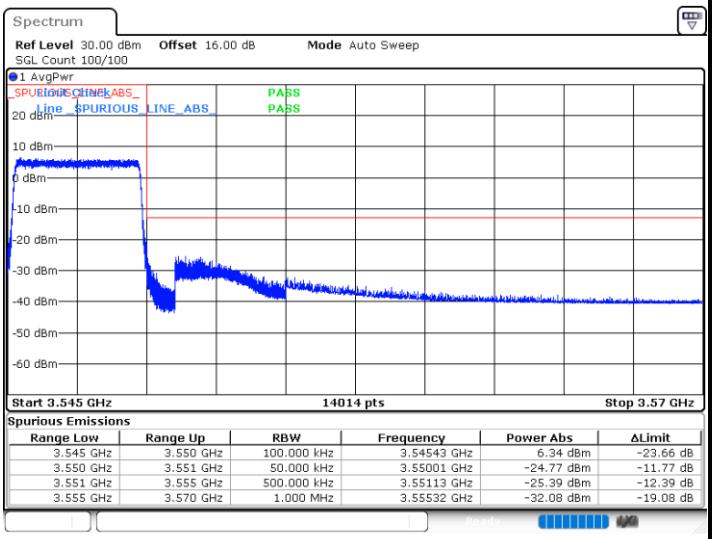



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44478 GHz | -33.45 dBm | -20.45 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44823 GHz | -27.19 dBm | -14.19 dB |
| 3.449 GHz | 3.450 GHz | 50.000 kHz | 3.45000 GHz | -25.60 dBm | -12.60 dB |
| 3.450 GHz | 3.455 GHz | 100.000 kHz | 3.45052 GHz | 6.68 dBm | -23.32 dB |

Date: 29.AUG.2022 11:53:46

### Highest Band Edge / Full RB



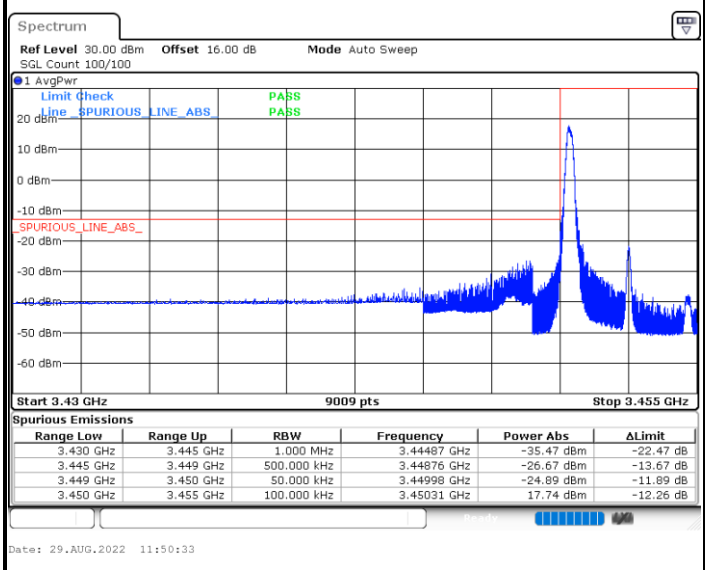

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.545 GHz | 3.550 GHz | 100.000 kHz | 3.54543 GHz | 6.34 dBm | -23.66 dB |
| 3.550 GHz | 3.551 GHz | 50.000 kHz | 3.55001 GHz | -24.77 dBm | -11.77 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55113 GHz | -25.39 dBm | -12.39 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55532 GHz | -32.08 dBm | -19.08 dB |

Date: 29.AUG.2022 12:13:02

## LTE Band 42 / 5MHz / 256QAM

### Lowest Band Edge / 1RB

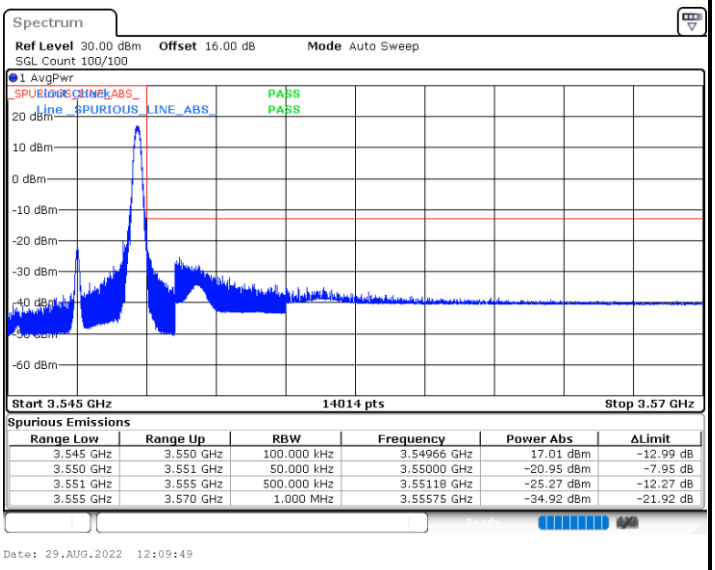



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44487 GHz | -35.47 dBm | -22.47 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44876 GHz | -26.67 dBm | -13.67 dB |
| 3.449 GHz | 3.450 GHz | 50.000 kHz | 3.44998 GHz | -24.89 dBm | -11.89 dB |
| 3.450 GHz | 3.455 GHz | 100.000 kHz | 3.45031 GHz | 17.74 dBm | -12.26 dB |

Date: 29.AUG.2022 11:50:33

### Highest Band Edge / 1 RB

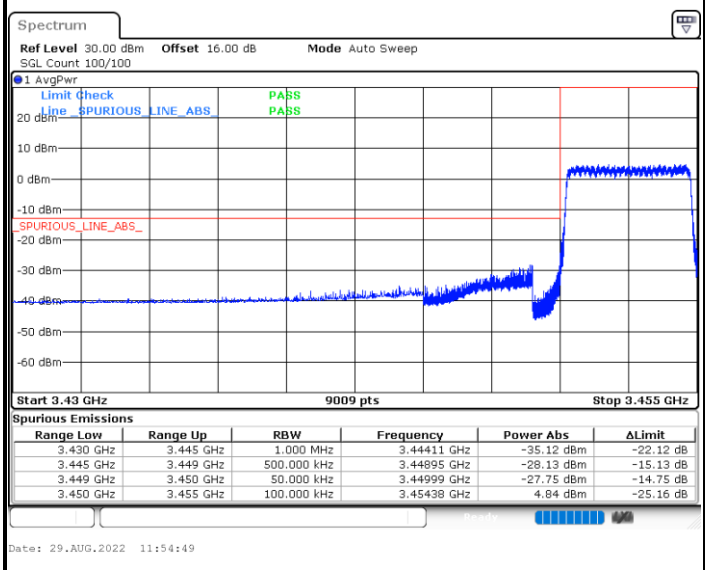



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.545 GHz | 3.550 GHz | 100.000 kHz | 3.54966 GHz | 17.01 dBm | -12.99 dB |
| 3.550 GHz | 3.551 GHz | 50.000 kHz | 3.55000 GHz | -20.95 dBm | -7.95 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55118 GHz | -25.27 dBm | -12.27 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55575 GHz | -34.92 dBm | -21.92 dB |

Date: 29.AUG.2022 12:09:49

### Lowest Band Edge / Full RB

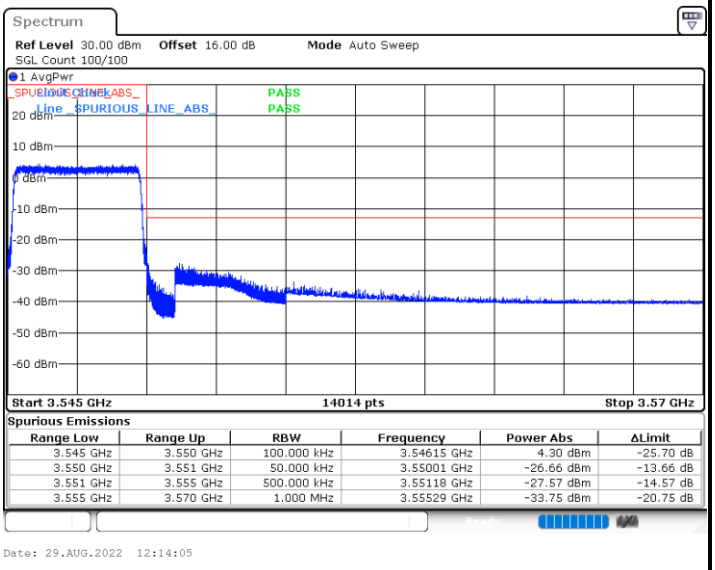



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44411 GHz | -35.12 dBm | -22.12 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44895 GHz | -28.13 dBm | -15.13 dB |
| 3.449 GHz | 3.450 GHz | 50.000 kHz | 3.44999 GHz | -27.75 dBm | -14.75 dB |
| 3.450 GHz | 3.455 GHz | 100.000 kHz | 3.45438 GHz | 4.84 dBm | -25.16 dB |

Date: 29.AUG.2022 11:54:49

### Highest Band Edge / Full RB



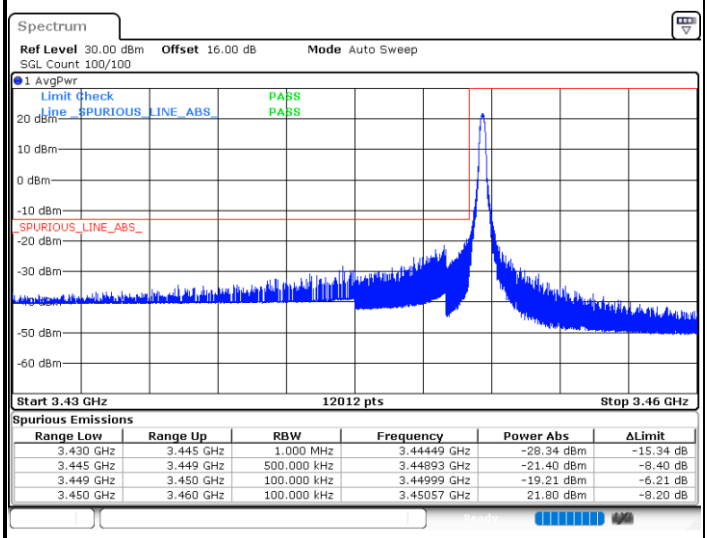

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.545 GHz | 3.550 GHz | 100.000 kHz | 3.54615 GHz | 4.30 dBm | -25.70 dB |
| 3.550 GHz | 3.551 GHz | 50.000 kHz | 3.55001 GHz | -26.66 dBm | -13.66 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55118 GHz | -27.57 dBm | -14.57 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55529 GHz | -33.75 dBm | -20.75 dB |

Date: 29.AUG.2022 12:14:05

## LTE Band 42 / 10MHz / QPSK

### Lowest Band Edge / 1 RB

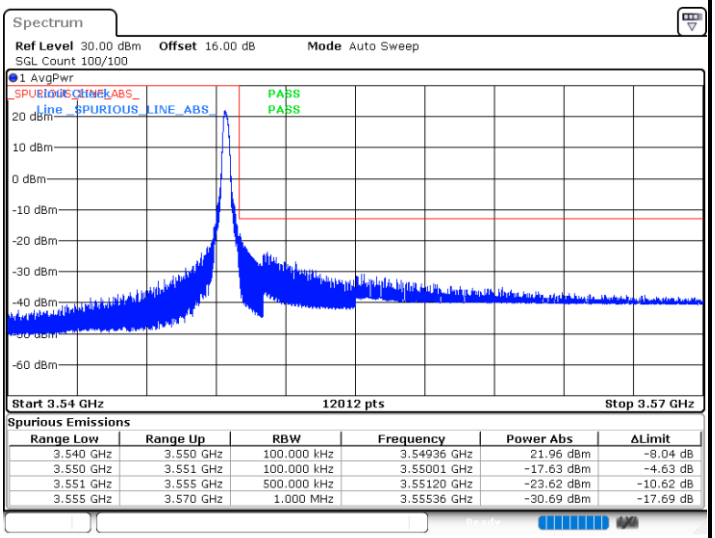



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44449 GHz | -28.34 dBm | -15.34 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44893 GHz | -21.40 dBm | -8.40 dB |
| 3.449 GHz | 3.450 GHz | 100.000 kHz | 3.44999 GHz | -19.21 dBm | -6.21 dB |
| 3.450 GHz | 3.460 GHz | 100.000 kHz | 3.45057 GHz | 21.80 dBm | -8.20 dB |

Date: 29.AUG.2022 12:19:23

### Highest Band Edge / 1 RB

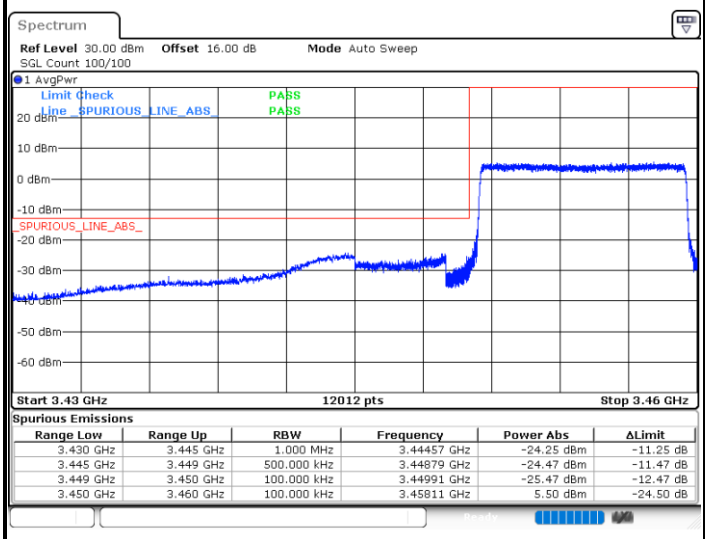



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.540 GHz | 3.550 GHz | 100.000 kHz | 3.54936 GHz | 21.96 dBm | -8.04 dB |
| 3.550 GHz | 3.551 GHz | 100.000 kHz | 3.55001 GHz | -17.63 dBm | -4.63 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55120 GHz | -23.62 dBm | -10.62 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55536 GHz | -30.69 dBm | -17.69 dB |

Date: 29.AUG.2022 12:32:11

### Lowest Band Edge / Full RB

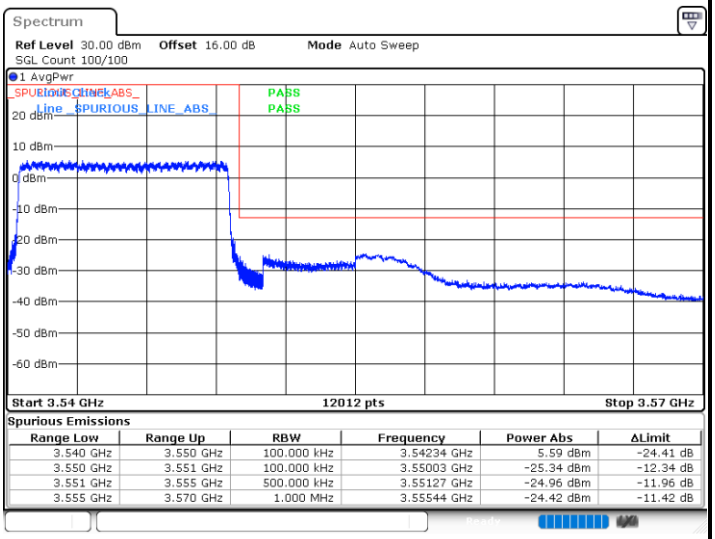



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44457 GHz | -24.25 dBm | -11.25 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44879 GHz | -24.47 dBm | -11.47 dB |
| 3.449 GHz | 3.450 GHz | 100.000 kHz | 3.44991 GHz | -25.47 dBm | -12.47 dB |
| 3.450 GHz | 3.460 GHz | 100.000 kHz | 3.45811 GHz | 5.50 dBm | -24.50 dB |

Date: 29.AUG.2022 12:23:39

### Highest Band Edge / Full RB



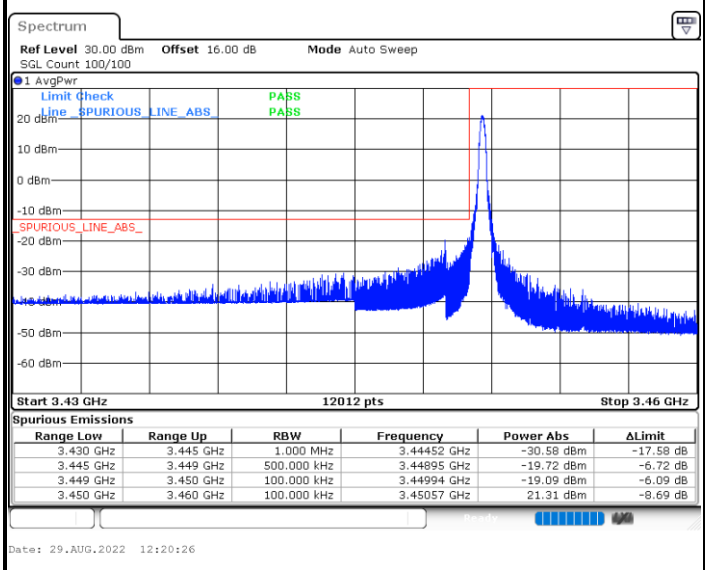

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.540 GHz | 3.550 GHz | 100.000 kHz | 3.54234 GHz | 5.59 dBm | -24.41 dB |
| 3.550 GHz | 3.551 GHz | 100.000 kHz | 3.55003 GHz | -25.34 dBm | -12.34 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55127 GHz | -24.96 dBm | -11.96 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55544 GHz | -24.42 dBm | -11.42 dB |

Date: 29.AUG.2022 12:27:54

## LTE Band 42 / 10MHz / 16QAM

### Lowest Band Edge / 1 RB

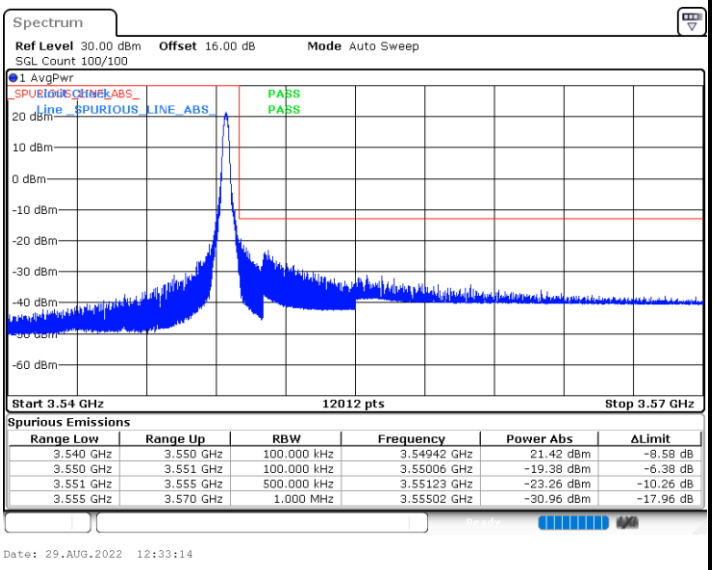



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44452 GHz | -30.58 dBm | -17.58 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44895 GHz | -19.72 dBm | -6.72 dB |
| 3.449 GHz | 3.450 GHz | 100.000 kHz | 3.44994 GHz | -19.09 dBm | -6.09 dB |
| 3.450 GHz | 3.460 GHz | 100.000 kHz | 3.45057 GHz | 21.31 dBm | -8.69 dB |

Date: 29.AUG.2022 12:20:26

### Highest Band Edge / 1 RB

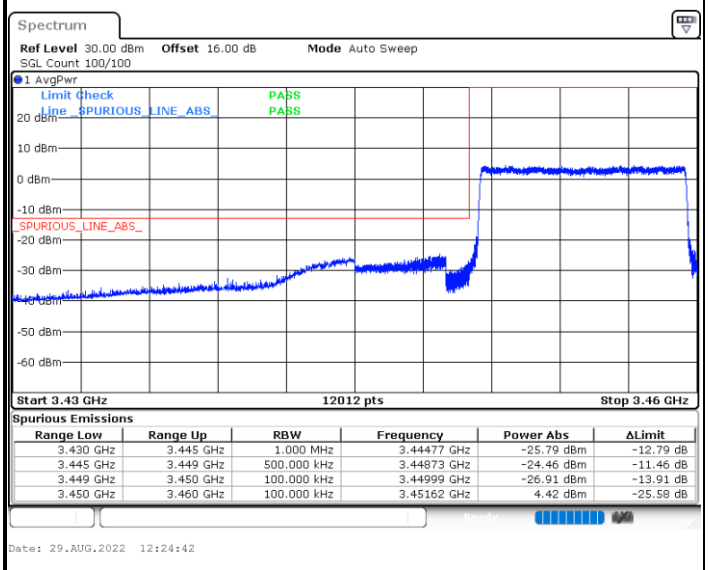



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.540 GHz | 3.550 GHz | 100.000 kHz | 3.54942 GHz | 21.42 dBm | -8.58 dB |
| 3.550 GHz | 3.551 GHz | 100.000 kHz | 3.55006 GHz | -19.38 dBm | -6.38 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55123 GHz | -23.26 dBm | -10.26 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55502 GHz | -30.96 dBm | -17.96 dB |

Date: 29.AUG.2022 12:33:14

### Lowest Band Edge / Full RB

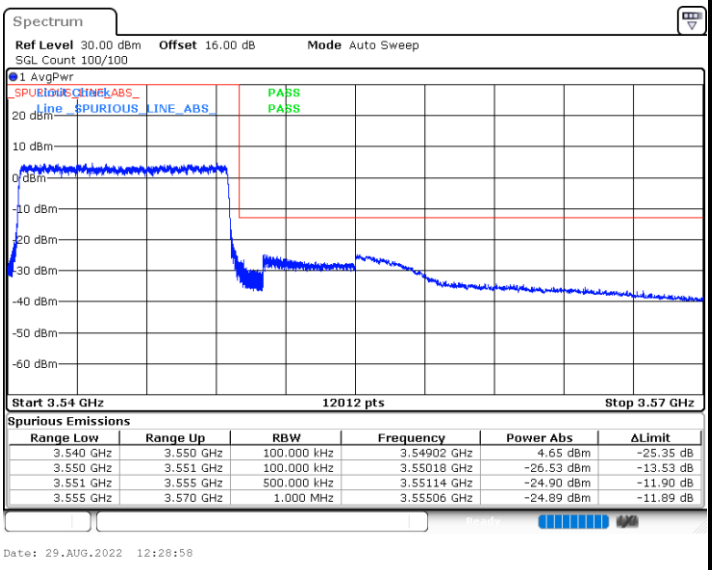



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44477 GHz | -25.79 dBm | -12.79 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44873 GHz | -24.46 dBm | -11.46 dB |
| 3.449 GHz | 3.450 GHz | 100.000 kHz | 3.44999 GHz | -26.91 dBm | -13.91 dB |
| 3.450 GHz | 3.460 GHz | 100.000 kHz | 3.45162 GHz | 4.42 dBm | -25.58 dB |

Date: 29.AUG.2022 12:24:42

### Highest Band Edge / Full RB



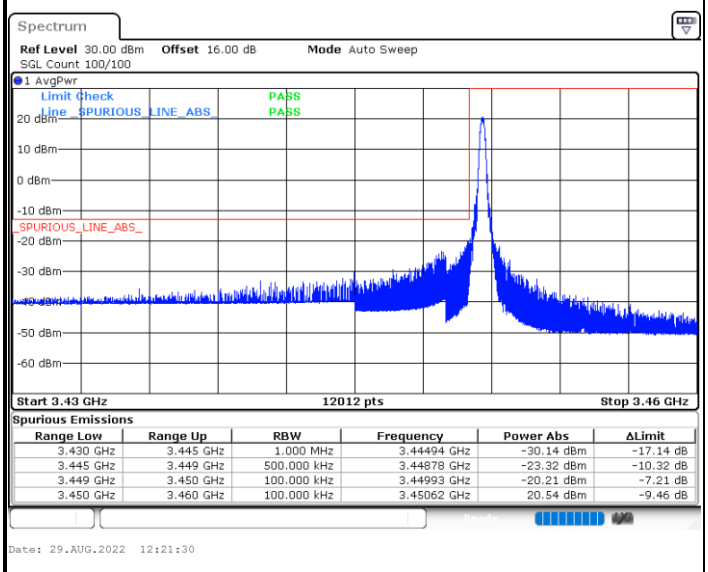

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.540 GHz | 3.550 GHz | 100.000 kHz | 3.54902 GHz | 4.65 dBm | -25.35 dB |
| 3.550 GHz | 3.551 GHz | 100.000 kHz | 3.55018 GHz | -26.53 dBm | -13.53 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55114 GHz | -24.90 dBm | -11.90 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55506 GHz | -24.89 dBm | -11.89 dB |

Date: 29.AUG.2022 12:28:58

## LTE Band 42 / 10MHz / 64QAM

### Lowest Band Edge / 1 RB

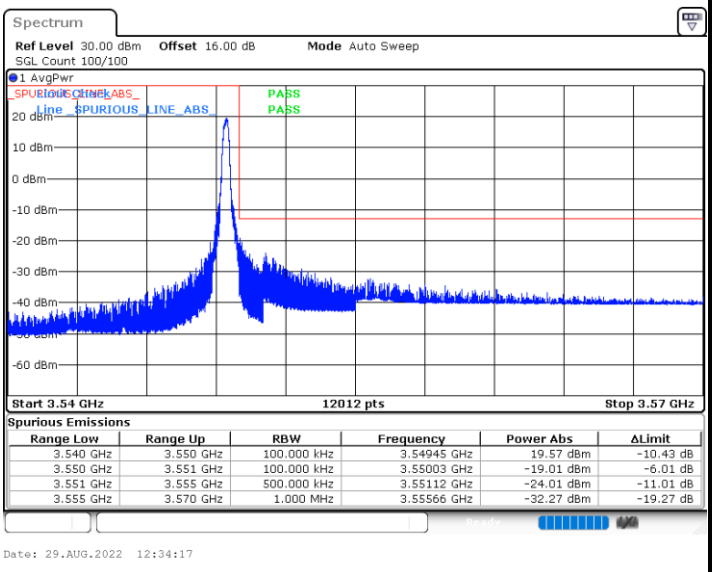



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44494 GHz | -30.14 dBm | -17.14 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44878 GHz | -23.32 dBm | -10.32 dB |
| 3.449 GHz | 3.450 GHz | 100.000 kHz | 3.44993 GHz | -20.21 dBm | -7.21 dB |
| 3.450 GHz | 3.460 GHz | 100.000 kHz | 3.45062 GHz | 20.54 dBm | -9.46 dB |

Date: 29.AUG.2022 12:21:30

### Highest Band Edge / 1 RB

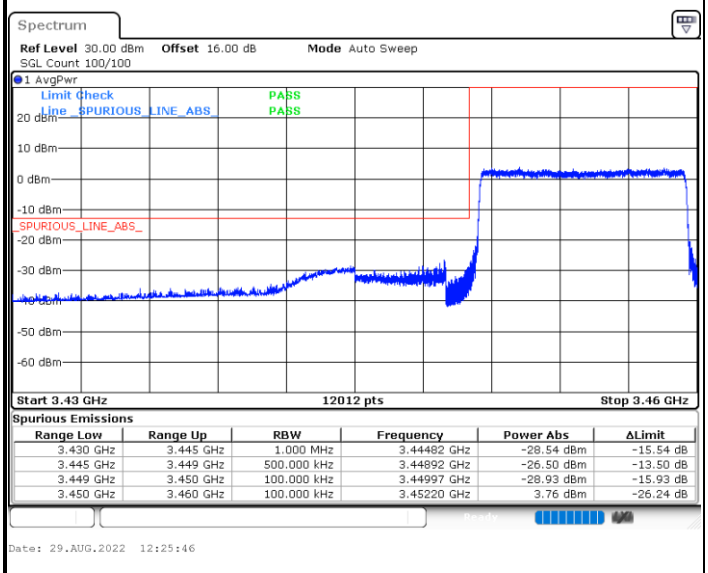



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.540 GHz | 3.550 GHz | 100.000 kHz | 3.54945 GHz | 19.57 dBm | -10.43 dB |
| 3.550 GHz | 3.551 GHz | 100.000 kHz | 3.55003 GHz | -19.01 dBm | -6.01 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55112 GHz | -24.01 dBm | -11.01 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55566 GHz | -32.27 dBm | -19.27 dB |

Date: 29.AUG.2022 12:34:17

### Lowest Band Edge / Full RB

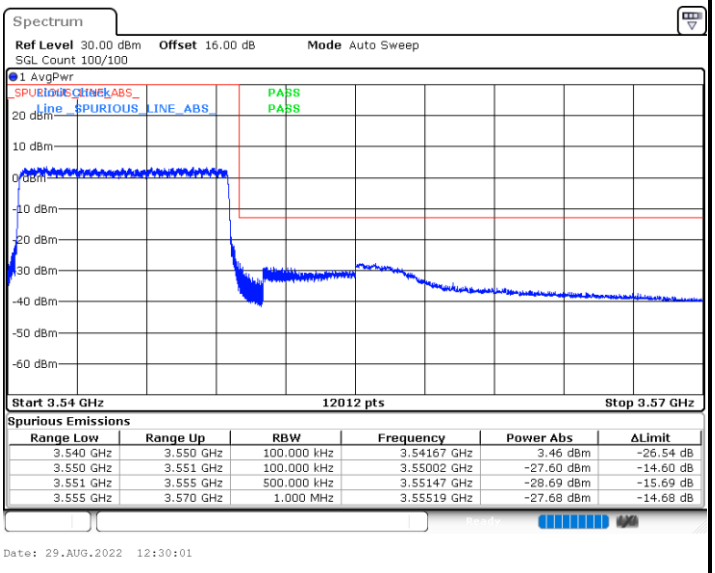



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44482 GHz | -28.54 dBm | -15.54 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44892 GHz | -26.50 dBm | -13.50 dB |
| 3.449 GHz | 3.450 GHz | 100.000 kHz | 3.44997 GHz | -28.93 dBm | -15.93 dB |
| 3.450 GHz | 3.460 GHz | 100.000 kHz | 3.45220 GHz | 3.76 dBm | -26.24 dB |

Date: 29.AUG.2022 12:25:46

### Highest Band Edge / Full RB



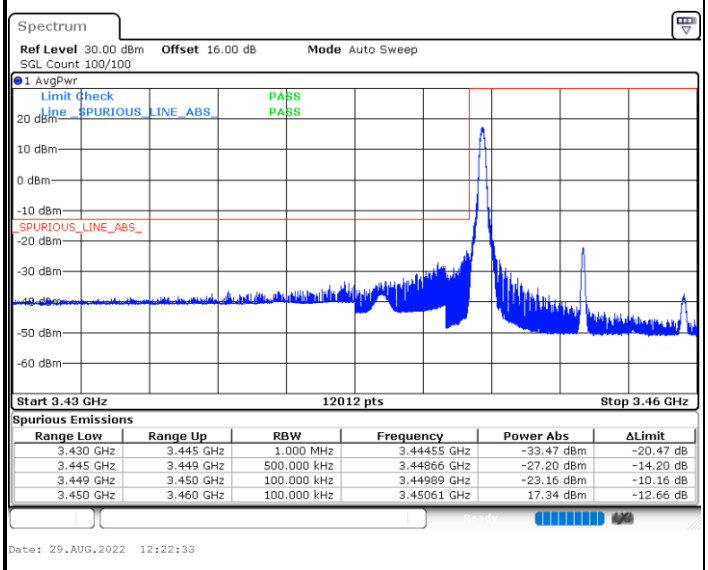

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.540 GHz | 3.550 GHz | 100.000 kHz | 3.54167 GHz | 3.46 dBm | -26.54 dB |
| 3.550 GHz | 3.551 GHz | 100.000 kHz | 3.55002 GHz | -27.60 dBm | -14.60 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55147 GHz | -28.69 dBm | -15.69 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55519 GHz | -27.68 dBm | -14.68 dB |

Date: 29.AUG.2022 12:30:01

## LTE Band 42 / 10MHz / 256QAM

### Lowest Band Edge / 1 RB

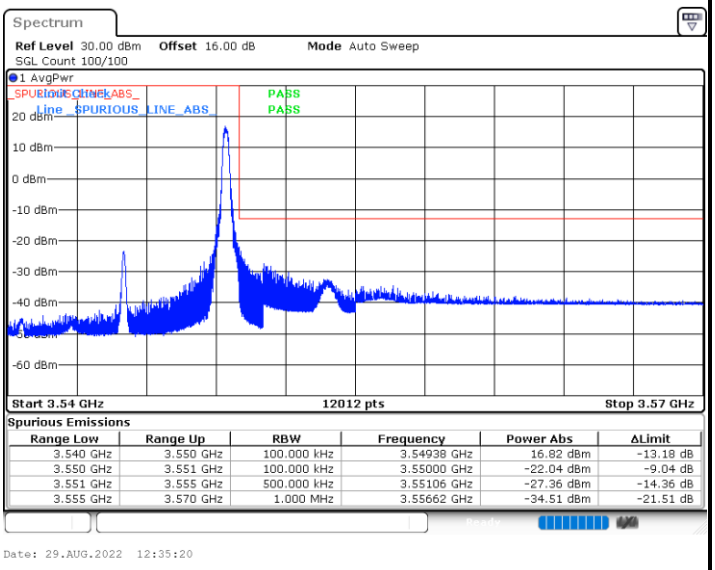



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44455 GHz | -33.47 dBm | -20.47 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44866 GHz | -27.20 dBm | -14.20 dB |
| 3.449 GHz | 3.450 GHz | 100.000 kHz | 3.44989 GHz | -23.16 dBm | -10.16 dB |
| 3.450 GHz | 3.460 GHz | 100.000 kHz | 3.45061 GHz | 17.34 dBm | -12.66 dB |

Date: 29.AUG.2022 12:22:33

### Highest Band Edge / 1 RB

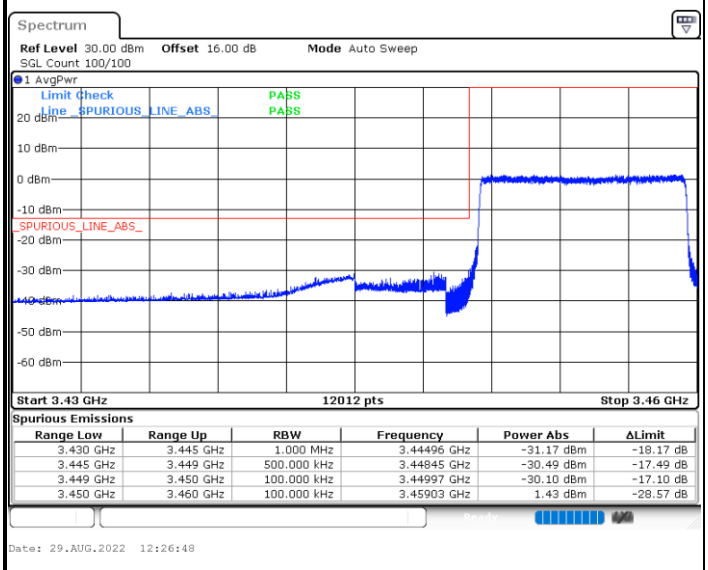



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.540 GHz | 3.550 GHz | 100.000 kHz | 3.54938 GHz | 16.82 dBm | -13.18 dB |
| 3.550 GHz | 3.551 GHz | 100.000 kHz | 3.55000 GHz | -22.04 dBm | -9.04 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55106 GHz | -27.36 dBm | -14.36 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55662 GHz | -34.51 dBm | -21.51 dB |

Date: 29.AUG.2022 12:35:20

### Lowest Band Edge / Full RB

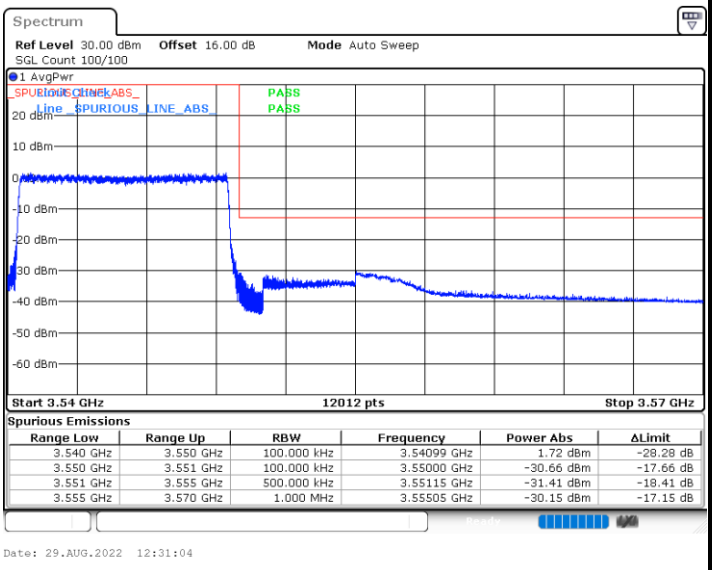



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44496 GHz | -31.17 dBm | -18.17 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44845 GHz | -30.49 dBm | -17.49 dB |
| 3.449 GHz | 3.450 GHz | 100.000 kHz | 3.44997 GHz | -30.10 dBm | -17.10 dB |
| 3.450 GHz | 3.460 GHz | 100.000 kHz | 3.45903 GHz | 1.43 dBm | -28.57 dB |

Date: 29.AUG.2022 12:26:48

### Highest Band Edge / Full RB



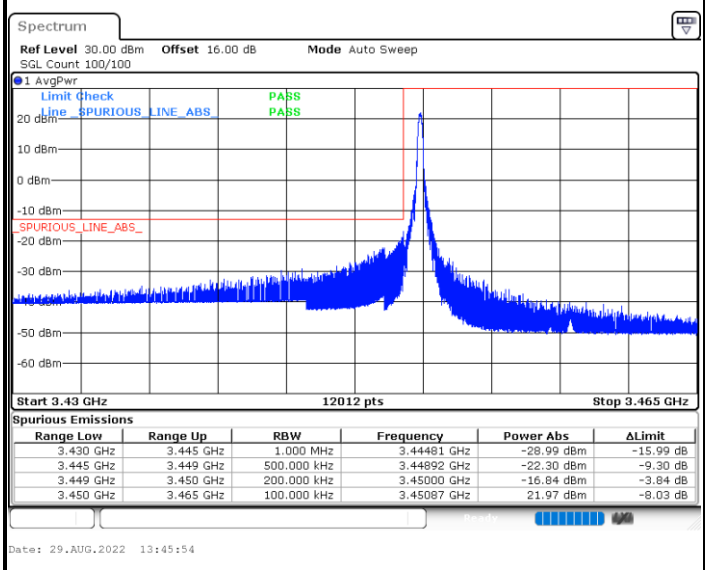

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.540 GHz | 3.550 GHz | 100.000 kHz | 3.54099 GHz | 1.72 dBm | -28.28 dB |
| 3.550 GHz | 3.551 GHz | 100.000 kHz | 3.55000 GHz | -30.66 dBm | -17.66 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55115 GHz | -31.41 dBm | -18.41 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55505 GHz | -30.15 dBm | -17.15 dB |

Date: 29.AUG.2022 12:31:04

## LTE Band 42 / 15MHz / QPSK

### Lowest Band Edge / 1 RB

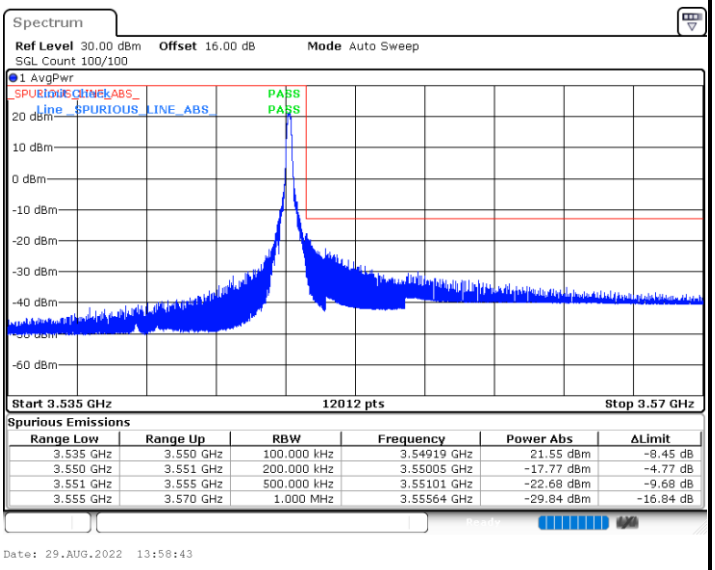



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44481 GHz | -28.99 dBm | -15.99 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44892 GHz | -22.30 dBm | -9.30 dB |
| 3.449 GHz | 3.450 GHz | 200.000 kHz | 3.45000 GHz | -16.84 dBm | -3.84 dB |
| 3.450 GHz | 3.465 GHz | 100.000 kHz | 3.45087 GHz | 21.97 dBm | -8.03 dB |

Date: 29.AUG.2022 13:45:54

### Highest Band Edge / 1 RB

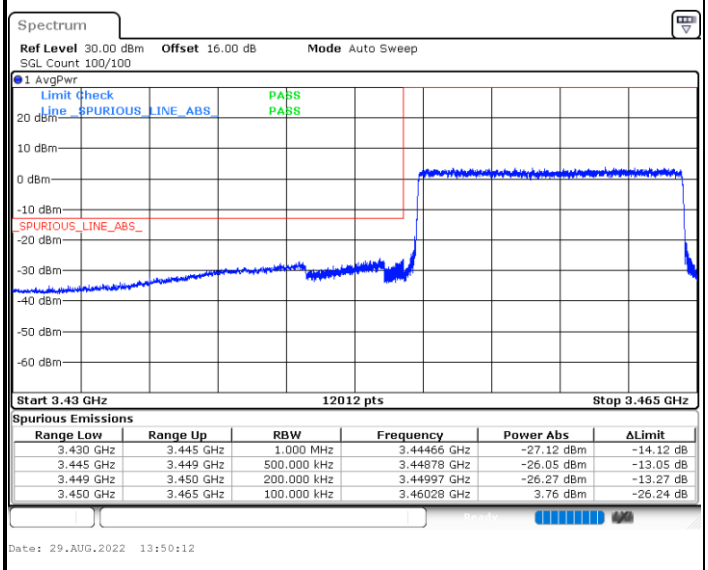



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.535 GHz | 3.550 GHz | 100.000 kHz | 3.54919 GHz | 21.55 dBm | -8.45 dB |
| 3.550 GHz | 3.551 GHz | 200.000 kHz | 3.55005 GHz | -17.77 dBm | -4.77 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55101 GHz | -22.68 dBm | -9.68 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55564 GHz | -29.84 dBm | -16.84 dB |

Date: 29.AUG.2022 13:58:43

### Lowest Band Edge / Full RB

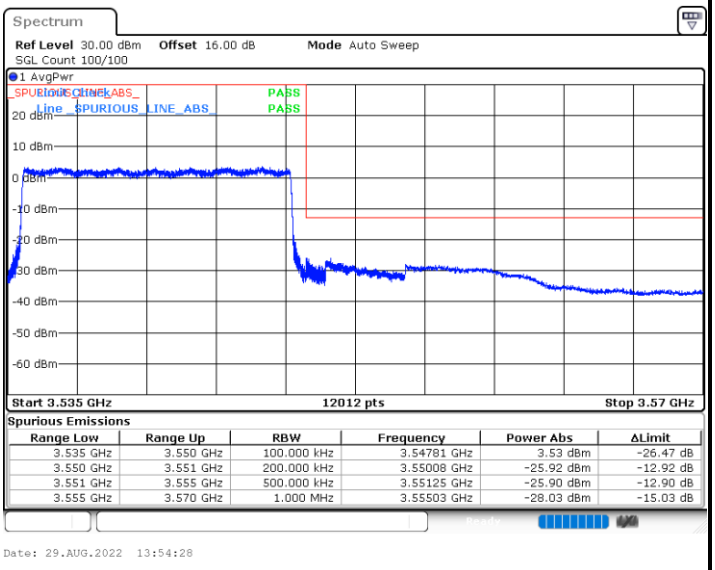



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44466 GHz | -27.12 dBm | -14.12 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44878 GHz | -26.05 dBm | -13.05 dB |
| 3.449 GHz | 3.450 GHz | 200.000 kHz | 3.44997 GHz | -26.27 dBm | -13.27 dB |
| 3.450 GHz | 3.465 GHz | 100.000 kHz | 3.46028 GHz | 3.76 dBm | -26.24 dB |

Date: 29.AUG.2022 13:50:12

### Highest Band Edge / Full RB



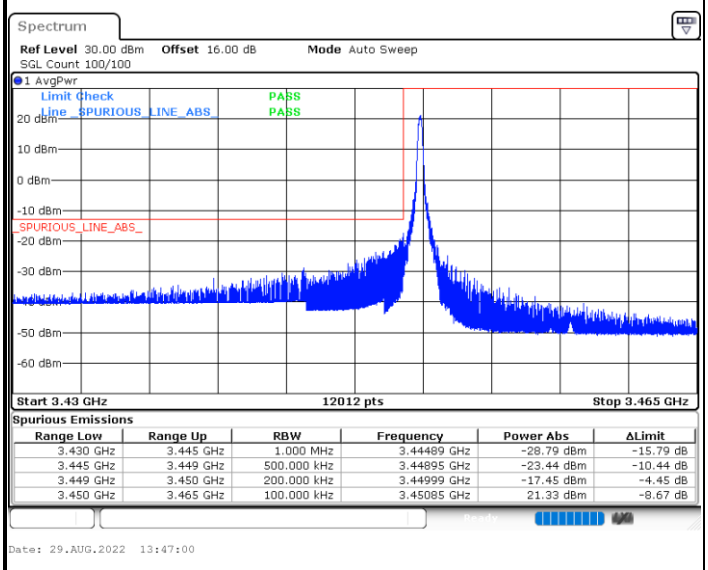

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.535 GHz | 3.550 GHz | 100.000 kHz | 3.54781 GHz | 3.53 dBm | -26.47 dB |
| 3.550 GHz | 3.551 GHz | 200.000 kHz | 3.55008 GHz | -25.92 dBm | -12.92 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55125 GHz | -25.90 dBm | -12.90 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55503 GHz | -28.03 dBm | -15.03 dB |

Date: 29.AUG.2022 13:54:28

## LTE Band 42 / 15MHz / 16QAM

### Lowest Band Edge / 1 RB

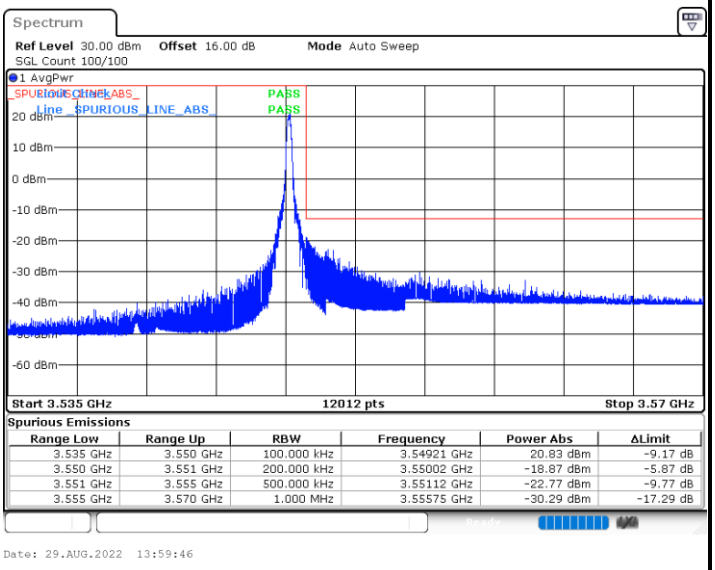



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44489 GHz | -28.79 dBm | -15.79 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44895 GHz | -23.44 dBm | -10.44 dB |
| 3.449 GHz | 3.450 GHz | 200.000 kHz | 3.44999 GHz | -17.45 dBm | -4.45 dB |
| 3.450 GHz | 3.465 GHz | 100.000 kHz | 3.45085 GHz | 21.33 dBm | -8.67 dB |

Date: 29.AUG.2022 13:47:00

### Highest Band Edge / 1 RB

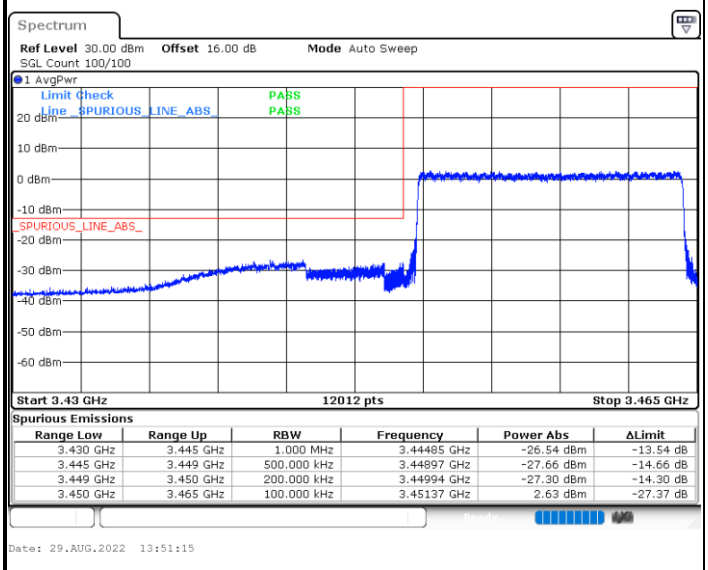



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.535 GHz | 3.550 GHz | 100.000 kHz | 3.54921 GHz | 20.83 dBm | -9.17 dB |
| 3.550 GHz | 3.551 GHz | 200.000 kHz | 3.55002 GHz | -18.87 dBm | -5.87 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55112 GHz | -22.77 dBm | -9.77 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55575 GHz | -30.29 dBm | -17.29 dB |

Date: 29.AUG.2022 13:59:46

### Lowest Band Edge / Full RB

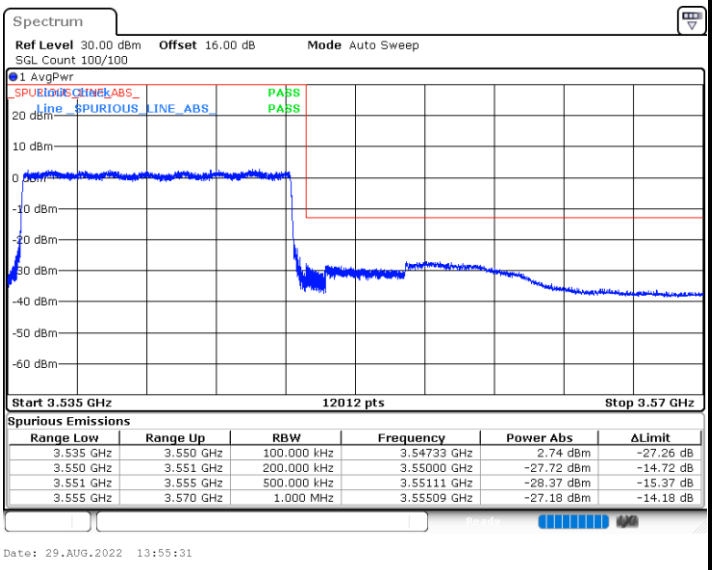



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44485 GHz | -26.54 dBm | -13.54 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44897 GHz | -27.66 dBm | -14.66 dB |
| 3.449 GHz | 3.450 GHz | 200.000 kHz | 3.44994 GHz | -27.30 dBm | -14.30 dB |
| 3.450 GHz | 3.465 GHz | 100.000 kHz | 3.45137 GHz | 2.63 dBm | -27.37 dB |

Date: 29.AUG.2022 13:51:15

### Highest Band Edge / Full RB



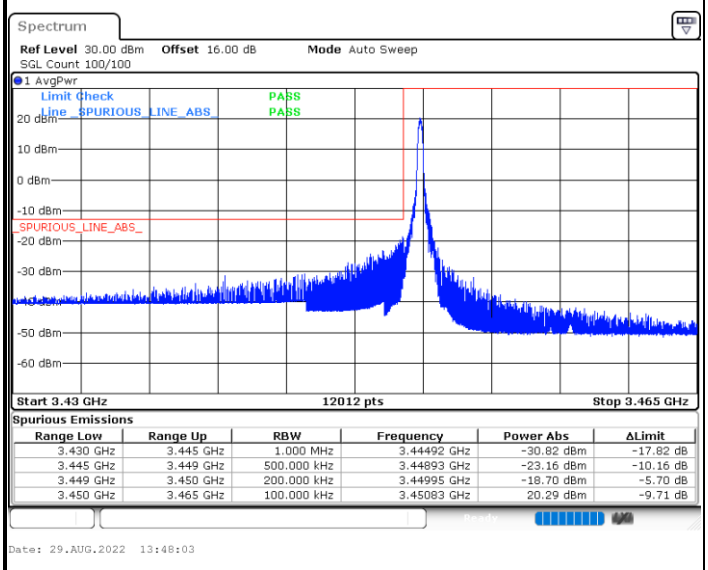

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.535 GHz | 3.550 GHz | 100.000 kHz | 3.54733 GHz | 2.74 dBm | -27.26 dB |
| 3.550 GHz | 3.551 GHz | 200.000 kHz | 3.55000 GHz | -27.72 dBm | -14.72 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55111 GHz | -28.37 dBm | -15.37 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55509 GHz | -27.18 dBm | -14.18 dB |

Date: 29.AUG.2022 13:55:31

## LTE Band 42 / 15MHz / 64QAM

### Lowest Band Edge / 1 RB

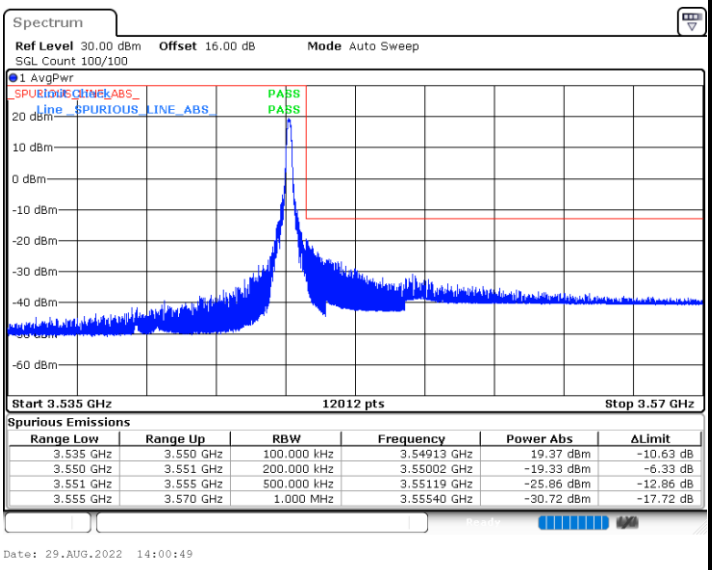



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44492 GHz | -30.82 dBm | -17.82 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44893 GHz | -23.16 dBm | -10.16 dB |
| 3.449 GHz | 3.450 GHz | 200.000 kHz | 3.44995 GHz | -18.70 dBm | -5.70 dB |
| 3.450 GHz | 3.465 GHz | 100.000 kHz | 3.45083 GHz | 20.29 dBm | -9.71 dB |

Date: 29.AUG.2022 13:48:03

### Highest Band Edge / 1 RB

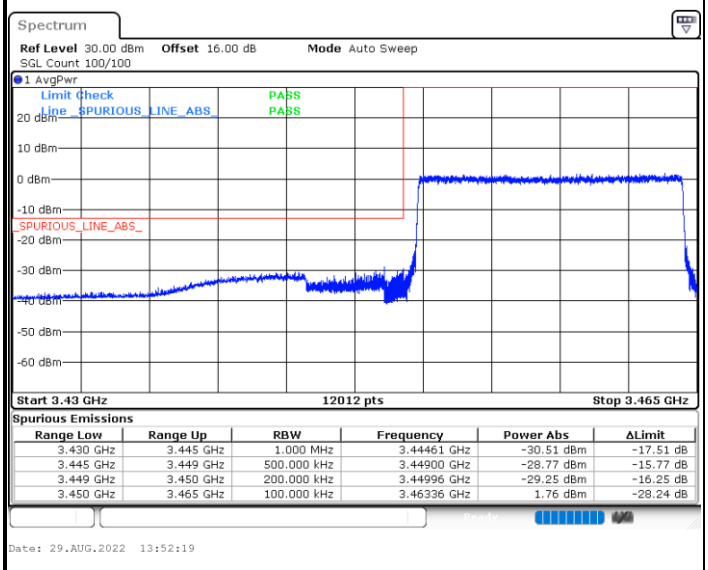



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.535 GHz | 3.550 GHz | 100.000 kHz | 3.54913 GHz | 19.37 dBm | -10.63 dB |
| 3.550 GHz | 3.551 GHz | 200.000 kHz | 3.55002 GHz | -19.33 dBm | -6.33 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55119 GHz | -25.86 dBm | -12.86 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55540 GHz | -30.72 dBm | -17.72 dB |

Date: 29.AUG.2022 14:00:49

### Lowest Band Edge / Full RB

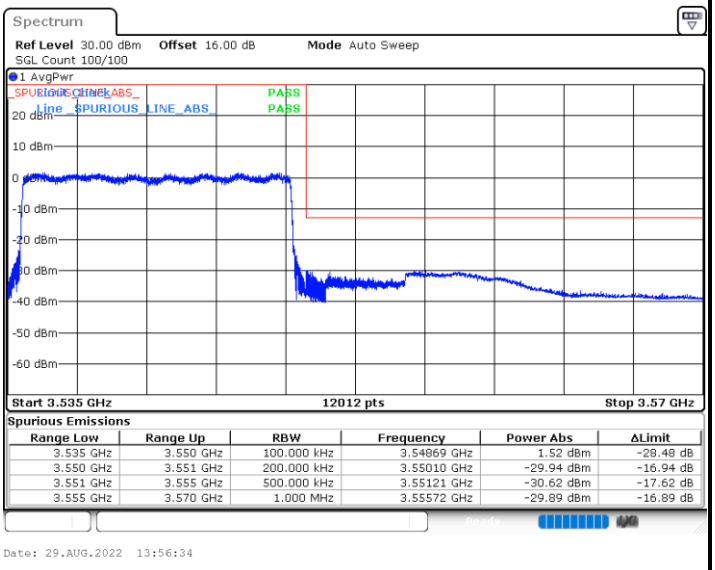



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44461 GHz | -30.51 dBm | -17.51 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44900 GHz | -28.77 dBm | -15.77 dB |
| 3.449 GHz | 3.450 GHz | 200.000 kHz | 3.44996 GHz | -29.25 dBm | -16.25 dB |
| 3.450 GHz | 3.465 GHz | 100.000 kHz | 3.46336 GHz | 1.76 dBm | -28.24 dB |

Date: 29.AUG.2022 13:52:19

### Highest Band Edge / Full RB



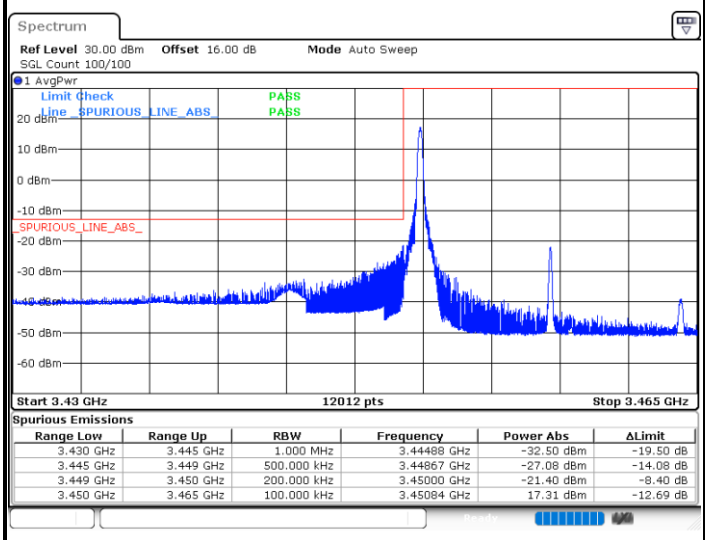

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.535 GHz | 3.550 GHz | 100.000 kHz | 3.54869 GHz | 1.52 dBm | -28.48 dB |
| 3.550 GHz | 3.551 GHz | 200.000 kHz | 3.55010 GHz | -29.94 dBm | -16.94 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55121 GHz | -30.62 dBm | -17.62 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55572 GHz | -29.89 dBm | -16.89 dB |

Date: 29.AUG.2022 13:56:34

## LTE Band 42 / 15MHz / 256QAM

### Lowest Band Edge / 1 RB

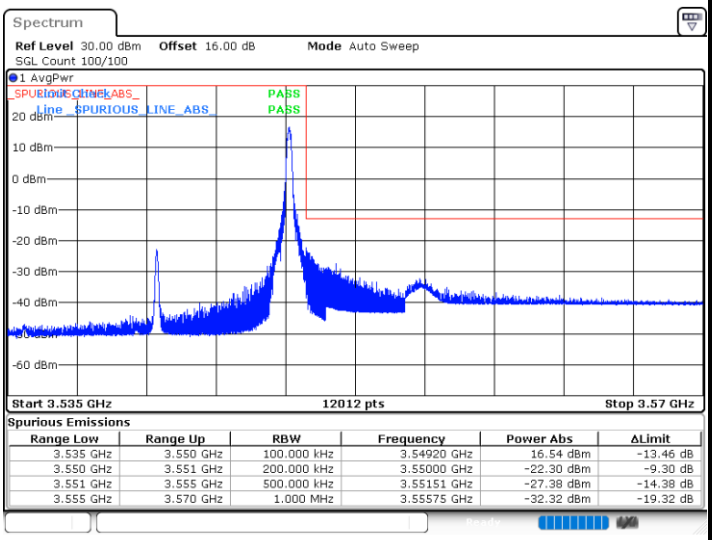



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44488 GHz | -32.50 dBm | -19.50 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44867 GHz | -27.08 dBm | -14.08 dB |
| 3.449 GHz | 3.450 GHz | 200.000 kHz | 3.45000 GHz | -21.40 dBm | -8.40 dB |
| 3.450 GHz | 3.465 GHz | 100.000 kHz | 3.45084 GHz | 17.31 dBm | -12.69 dB |

Date: 29.AUG.2022 13:49:06

### Highest Band Edge / 1 RB

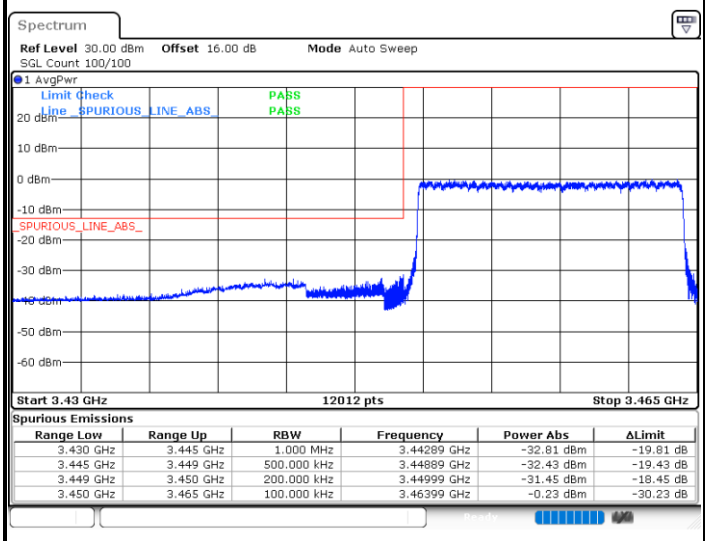



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.535 GHz | 3.550 GHz | 100.000 kHz | 3.54920 GHz | 16.54 dBm | -13.46 dB |
| 3.550 GHz | 3.551 GHz | 200.000 kHz | 3.55000 GHz | -22.30 dBm | -9.30 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55151 GHz | -27.38 dBm | -14.38 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55575 GHz | -32.32 dBm | -19.32 dB |

Date: 29.AUG.2022 14:01:52

### Lowest Band Edge / Full RB

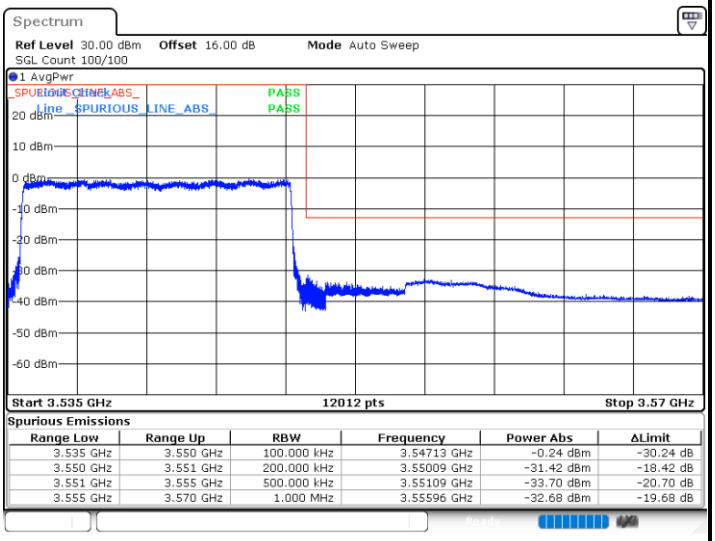



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44289 GHz | -32.81 dBm | -19.81 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44889 GHz | -32.43 dBm | -19.43 dB |
| 3.449 GHz | 3.450 GHz | 200.000 kHz | 3.44999 GHz | -31.45 dBm | -18.45 dB |
| 3.450 GHz | 3.465 GHz | 100.000 kHz | 3.46399 GHz | -0.23 dBm | -30.23 dB |

Date: 29.AUG.2022 13:53:22

### Highest Band Edge / Full RB



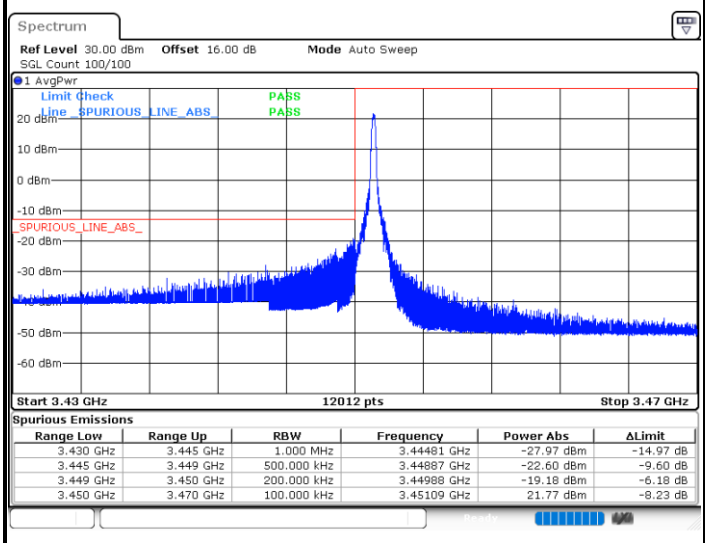

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.535 GHz | 3.550 GHz | 100.000 kHz | 3.54713 GHz | -0.24 dBm | -30.24 dB |
| 3.550 GHz | 3.551 GHz | 200.000 kHz | 3.55009 GHz | -31.42 dBm | -18.42 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55109 GHz | -33.70 dBm | -20.70 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55596 GHz | -32.68 dBm | -19.68 dB |

Date: 29.AUG.2022 13:57:37

## LTE Band 42 / 20MHz / QPSK

### Lowest Band Edge / 1 RB

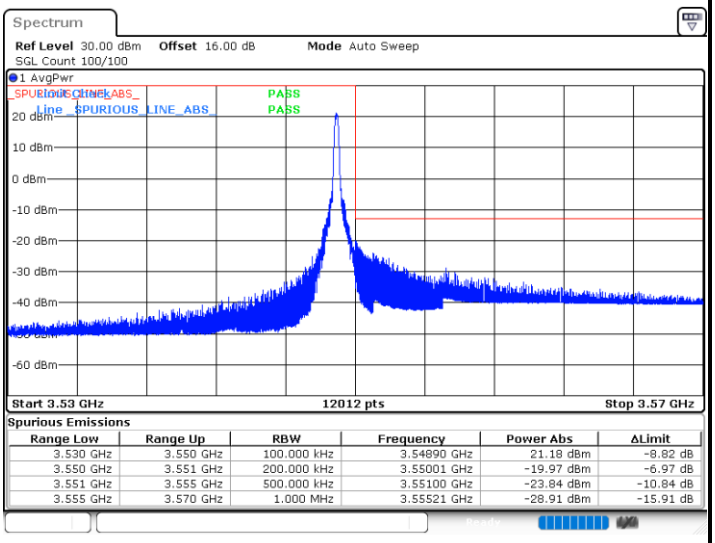



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44481 GHz | -27.97 dBm | -14.97 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44887 GHz | -22.60 dBm | -9.60 dB |
| 3.449 GHz | 3.450 GHz | 200.000 kHz | 3.44988 GHz | -19.18 dBm | -6.18 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.45109 GHz | 21.77 dBm | -8.23 dB |

Date: 29.AUG.2022 14:07:10

### Highest Band Edge / 1 RB

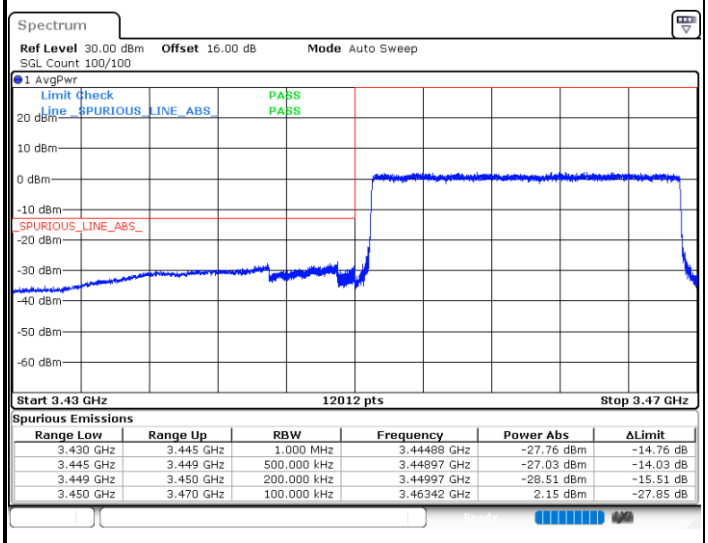



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.54890 GHz | 21.18 dBm | -8.82 dB |
| 3.550 GHz | 3.551 GHz | 200.000 kHz | 3.55001 GHz | -19.97 dBm | -6.97 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55100 GHz | -23.84 dBm | -10.84 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55521 GHz | -28.91 dBm | -15.91 dB |

Date: 29.AUG.2022 14:20:54

### Lowest Band Edge / Full RB

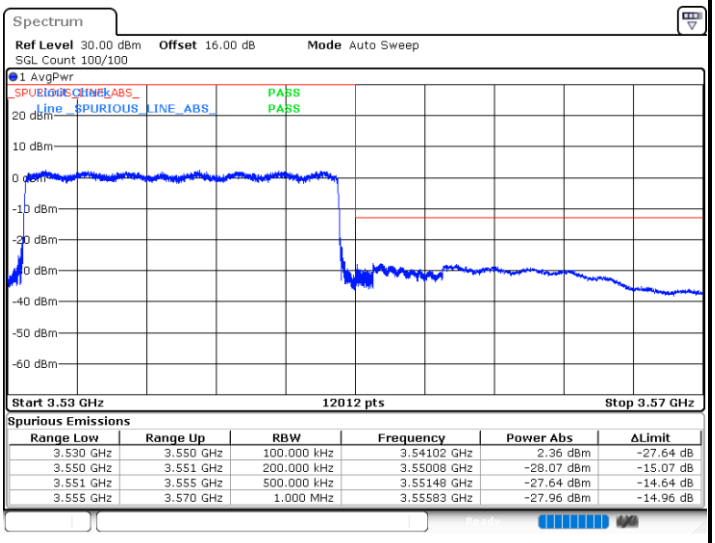



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44488 GHz | -27.76 dBm | -14.76 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44897 GHz | -27.03 dBm | -14.03 dB |
| 3.449 GHz | 3.450 GHz | 200.000 kHz | 3.44997 GHz | -28.51 dBm | -15.51 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.46342 GHz | 2.15 dBm | -27.85 dB |

Date: 29.AUG.2022 14:12:22

### Highest Band Edge / Full RB



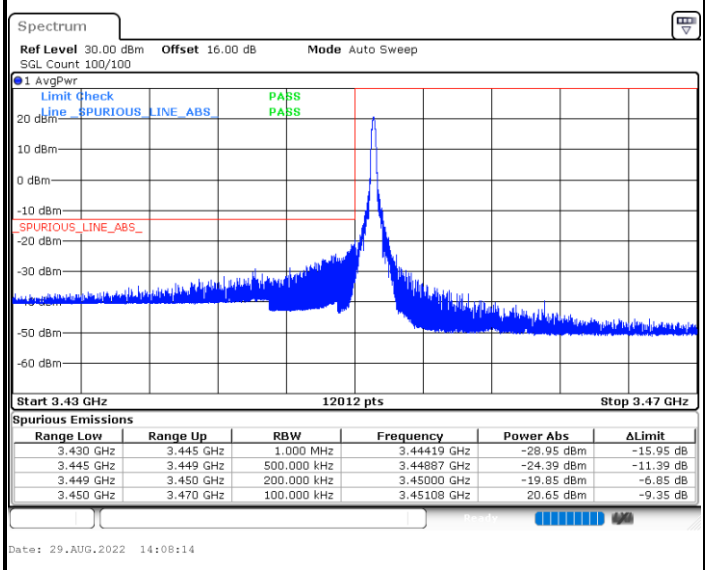

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.54102 GHz | 2.36 dBm | -27.64 dB |
| 3.550 GHz | 3.551 GHz | 200.000 kHz | 3.55008 GHz | -28.07 dBm | -15.07 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55148 GHz | -27.64 dBm | -14.64 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55583 GHz | -27.96 dBm | -14.96 dB |

Date: 29.AUG.2022 14:16:38

## LTE Band 42 / 20MHz / 16QAM

### 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 | 3.44419 GHz | -28.95 dBm | -15.95 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44887 GHz | -24.39 dBm | -11.39 dB |
| 3.449 GHz | 3.450 GHz | 200.000 kHz | 3.45000 GHz | -19.85 dBm | -6.85 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.45108 GHz | 20.65 dBm | -9.35 dB |

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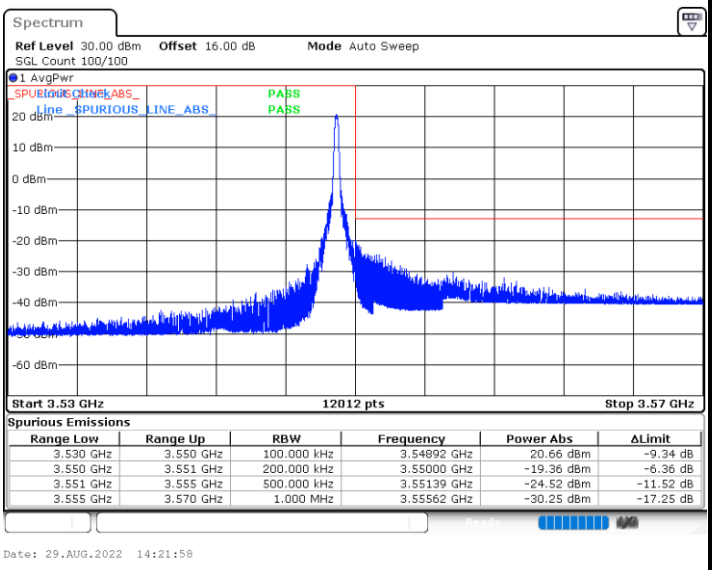
### Highest Band Edge / 1 RB




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.54892 GHz | 20.66 dBm | -9.34 dB |
| 3.550 GHz | 3.551 GHz | 200.000 kHz | 3.55000 GHz | -19.36 dBm | -6.36 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55139 GHz | -24.52 dBm | -11.52 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55562 GHz | -30.25 dBm | -17.25 dB |

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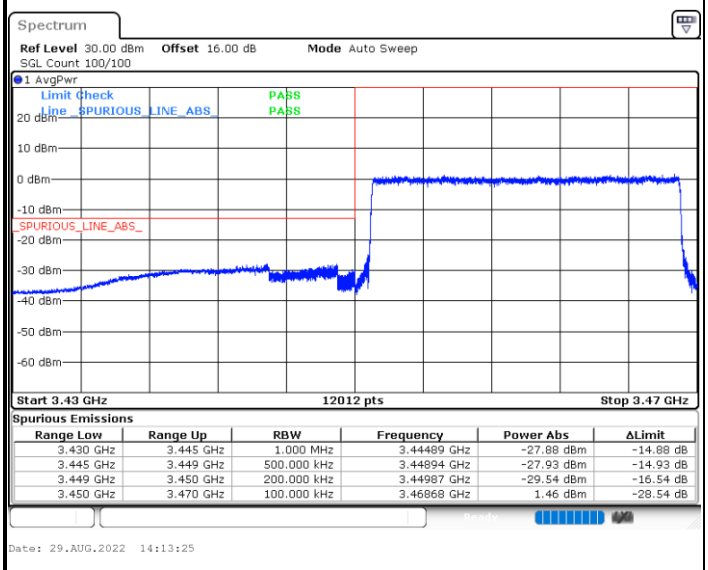
### Lowest Band Edge / Full RB




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.430 GHz | 3.445 GHz | 1.000 MHz | 3.44489 GHz | -27.88 dBm | -14.88 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44894 GHz | -27.93 dBm | -14.93 dB |
| 3.449 GHz | 3.450 GHz | 200.000 kHz | 3.44987 GHz | -29.54 dBm | -16.54 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.46868 GHz | 1.46 dBm | -28.54 dB |

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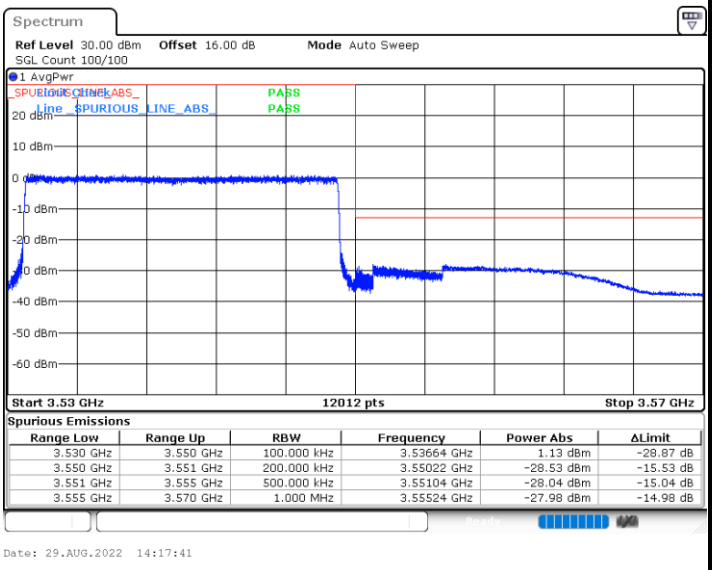
### Highest Band Edge / Full RB




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.53664 GHz | 1.13 dBm | -28.87 dB |
| 3.550 GHz | 3.551 GHz | 200.000 kHz | 3.55022 GHz | -28.53 dBm | -15.53 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55104 GHz | -28.04 dBm | -15.04 dB |
| 3.555 GHz | 3.570 GHz | 1.000 MHz | 3.55524 GHz | -27.98 dBm | -14.98 dB |

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