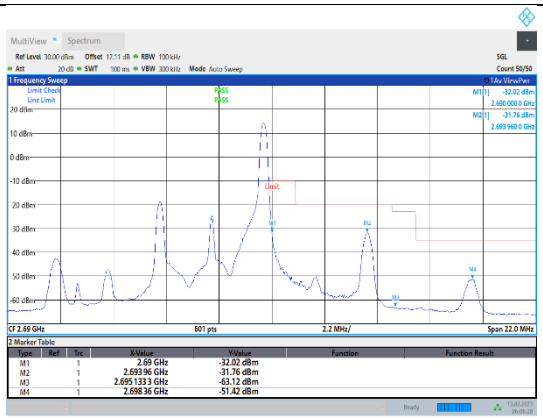
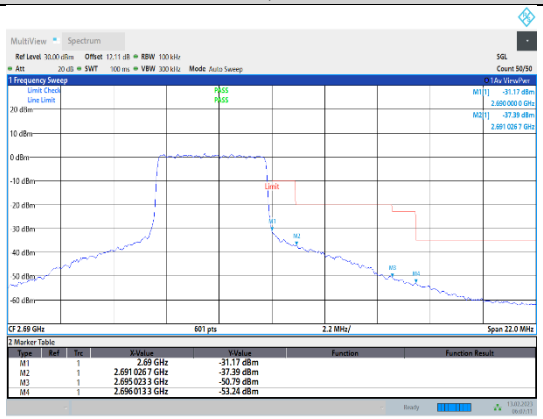
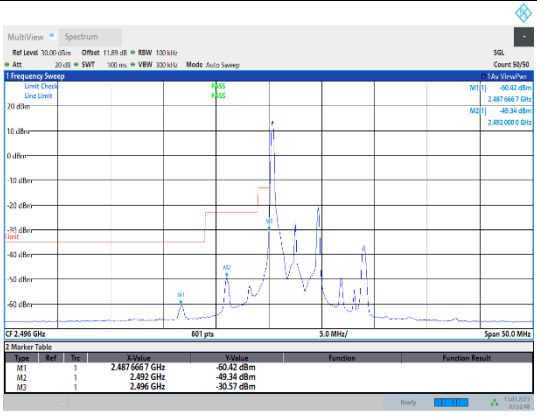


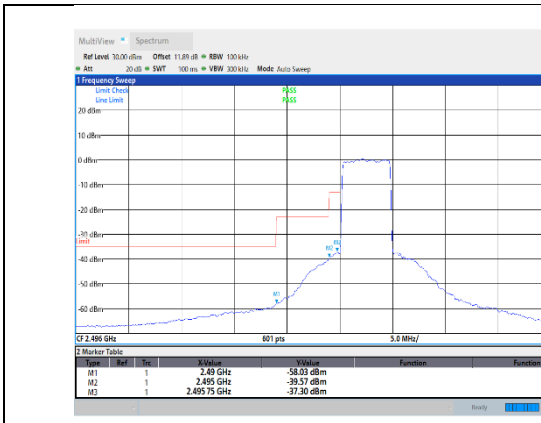

Band41-5MHz-16QAM-41565-1RB#24



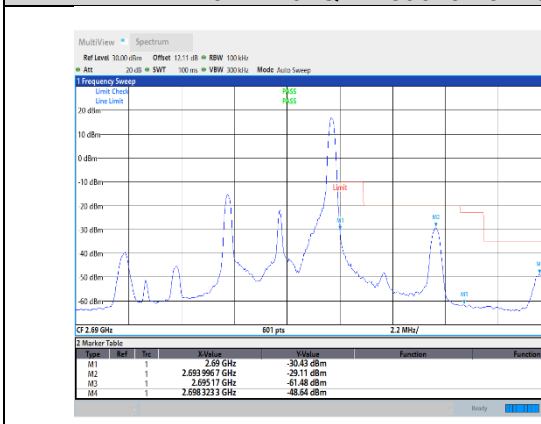

Band41-5MHz-16QAM-41565-25RB#0



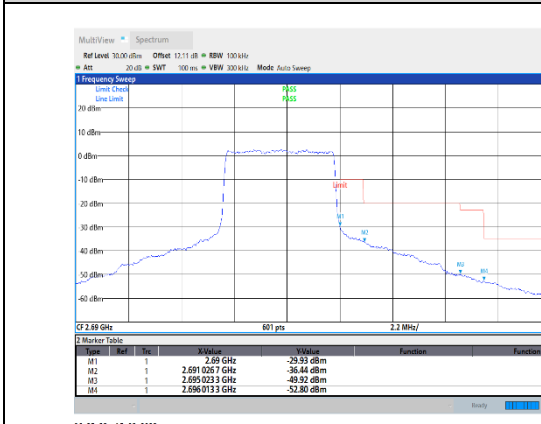

Band41-5MHz-64QAM-39675-1RB#0



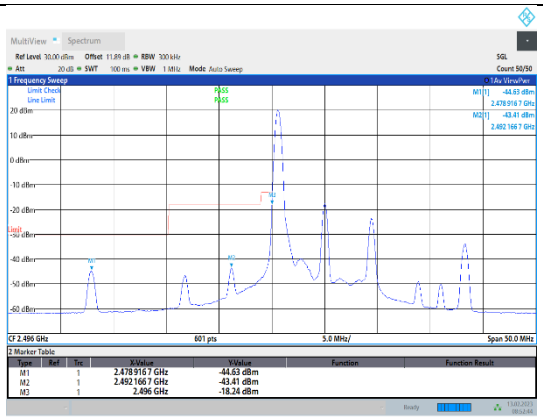

Band41-5MHz-64QAM-39675-25RB#0



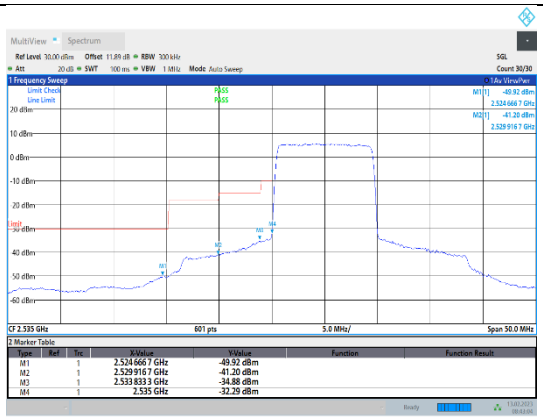

Band41-5MHz-64QAM-41565-1RB#24



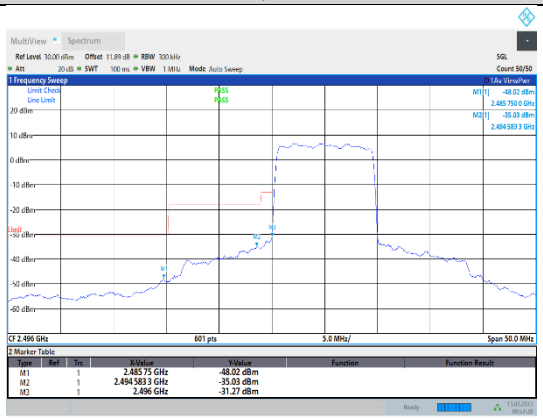

Band41-5MHz-64QAM-41565-25RB#0



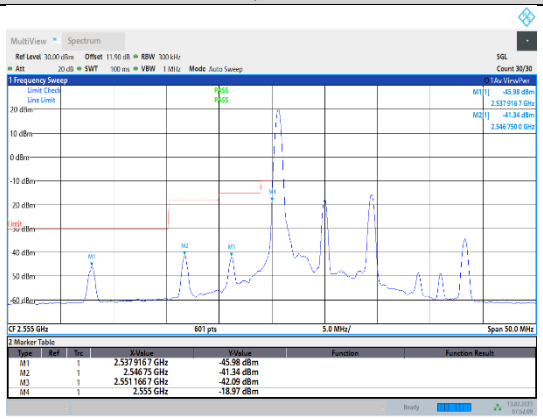

Band41-10MHz-QPSK-39700-1RB#0



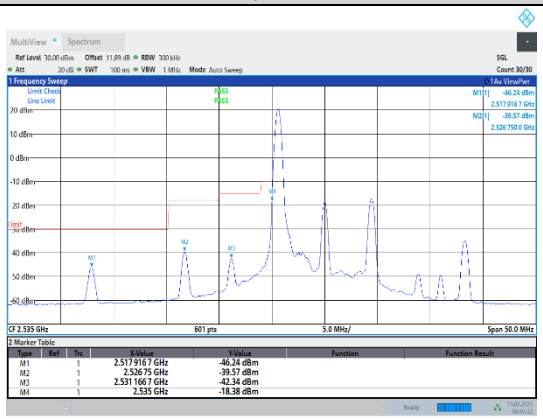

Band41-10MHz-QPSK-40090-50RB#0




Band41-10MHz-QPSK-39700-50RB#0

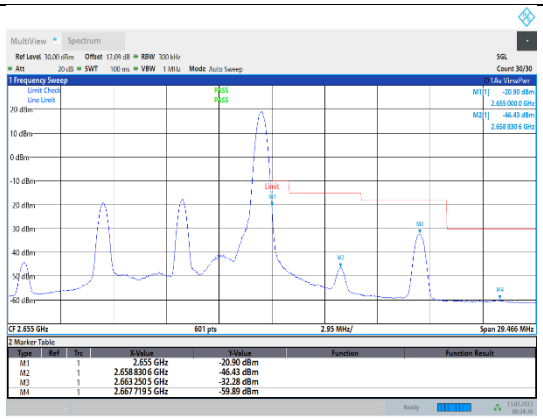



Band41-10MHz-QPSK-40290-1RB#0

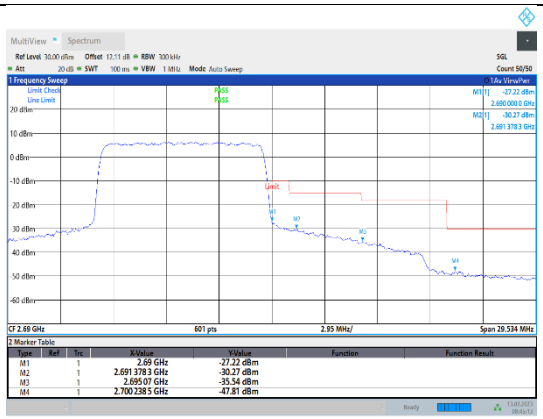



Band41-10MHz-QPSK-40090-1RB#0

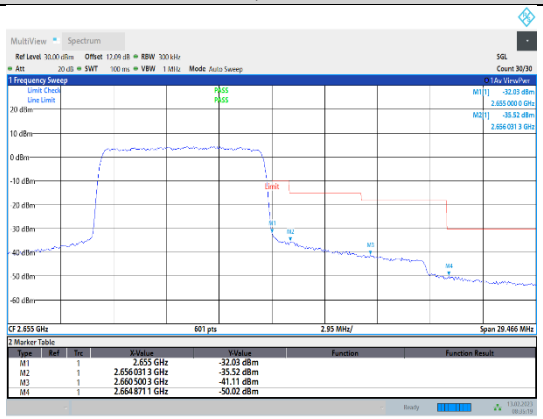

Band41-10MHz-QPSK-40290-50RB#0



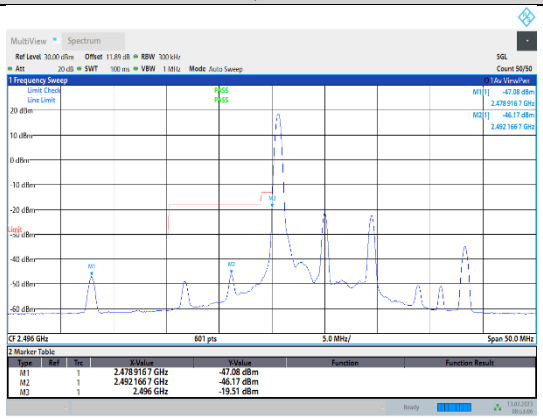
Band41-10MHz-QPSK-41190-1RB#49



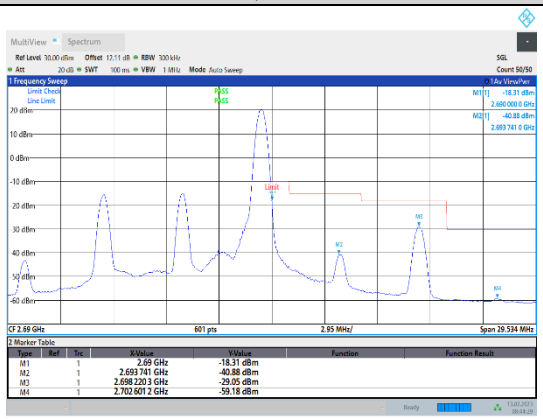
Band41-10MHz-QPSK-41540-50RB#0



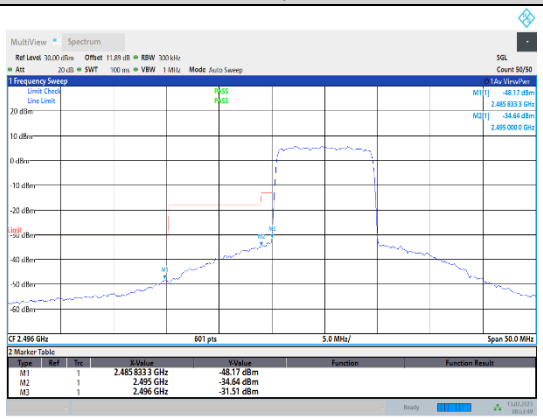
Band41-10MHz-QPSK-41190-50RB#0



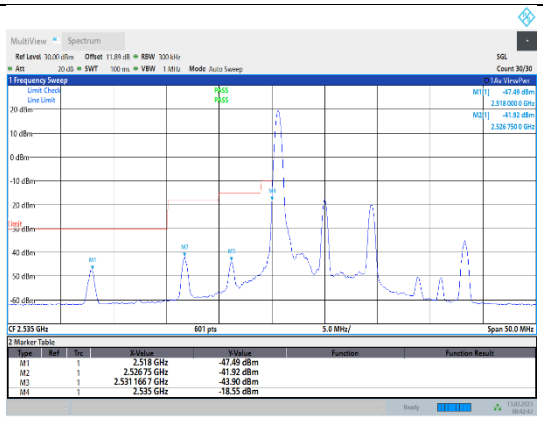
Band41-10MHz-16QAM-39700-1RB#0



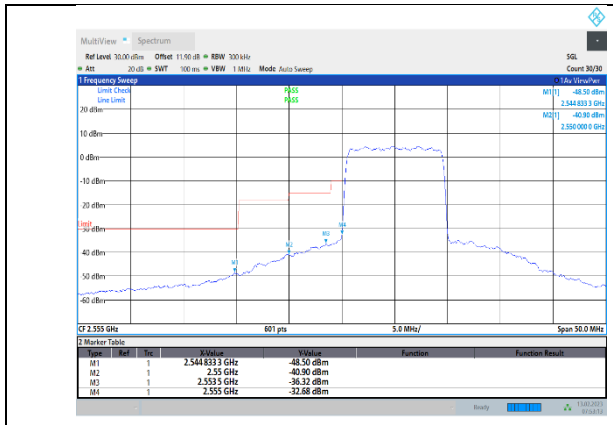
Band41-10MHz-QPSK-41540-1RB#49



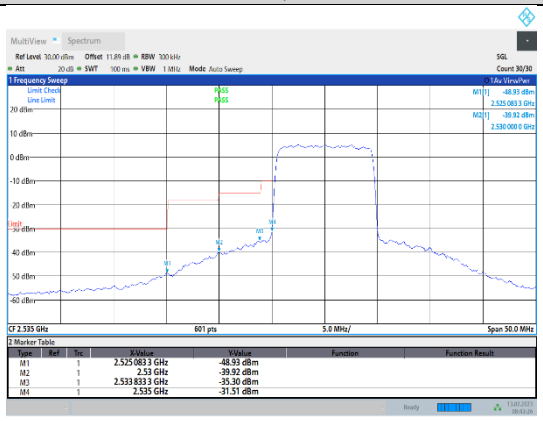
Band41-10MHz-16QAM-39700-50RB#0



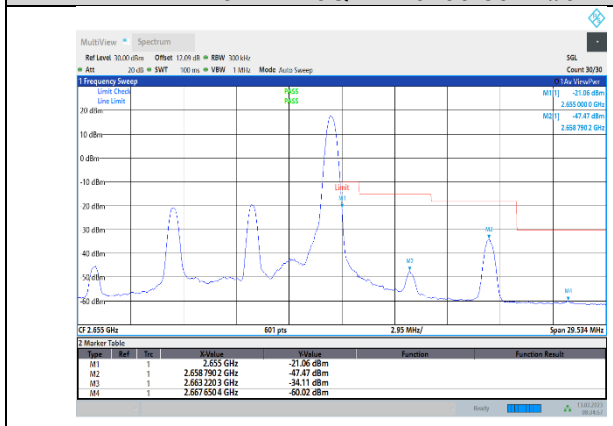

Band41-10MHz-16QAM-40090-1RB#0



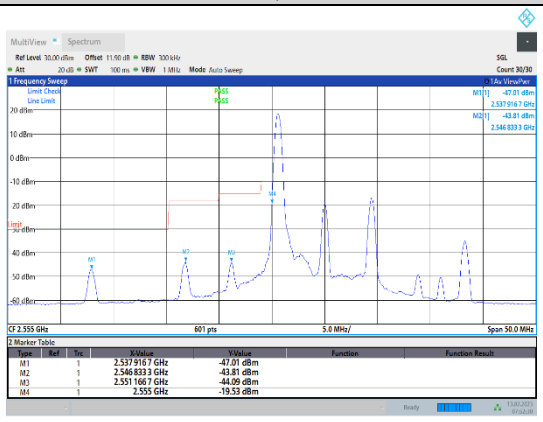

Band41-10MHz-16QAM-40290-50RB#0



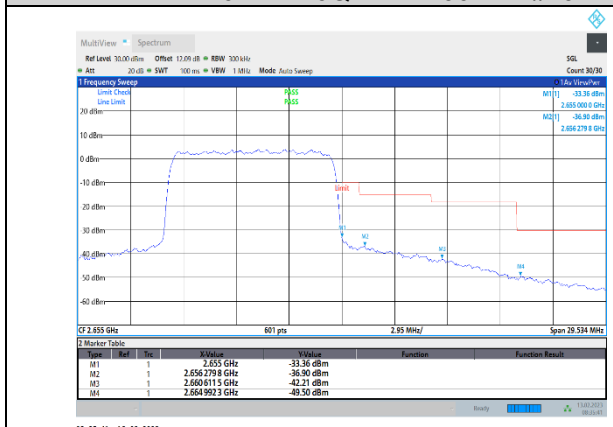

Band41-10MHz-16QAM-40090-50RB#0



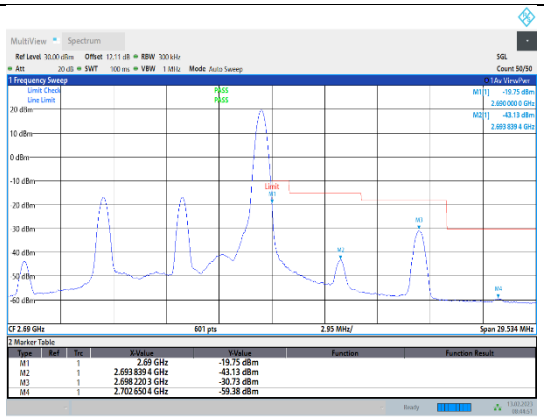

Band41-10MHz-16QAM-41190-1RB#49



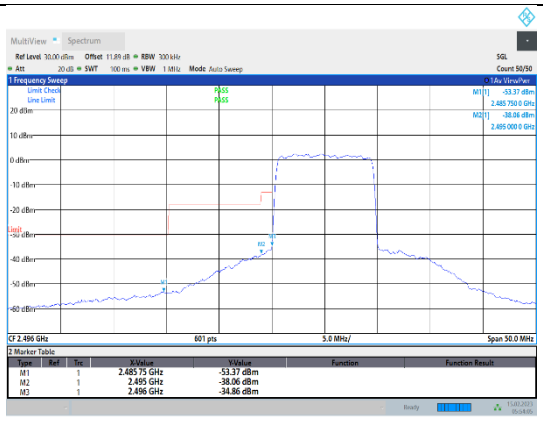

Band41-10MHz-16QAM-40290-1RB#0



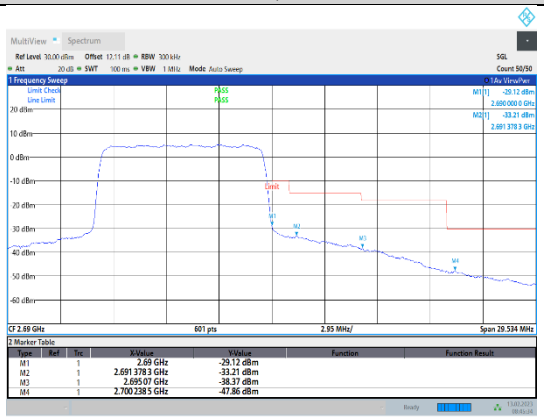

Band41-10MHz-16QAM-41190-50RB#0



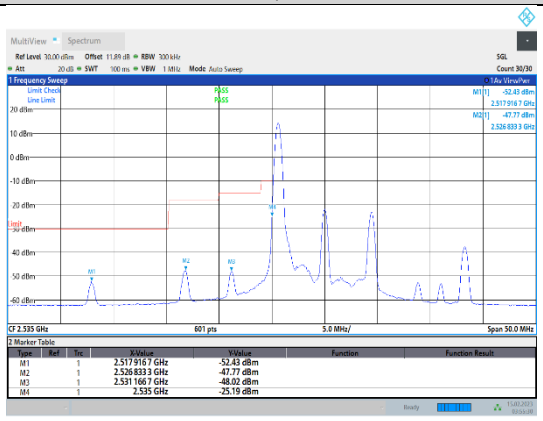

Band41-10MHz-16QAM-41540-1RB#49



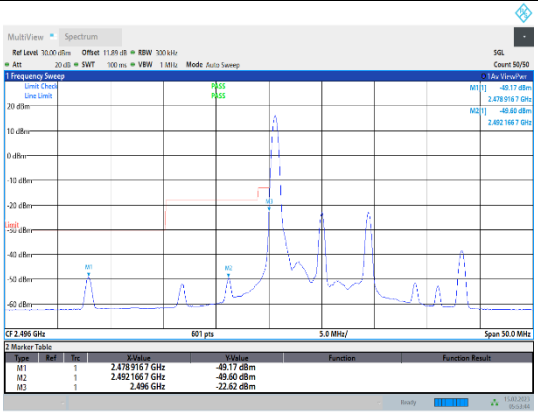

Band41-10MHz-64QAM-39700-50RB#0



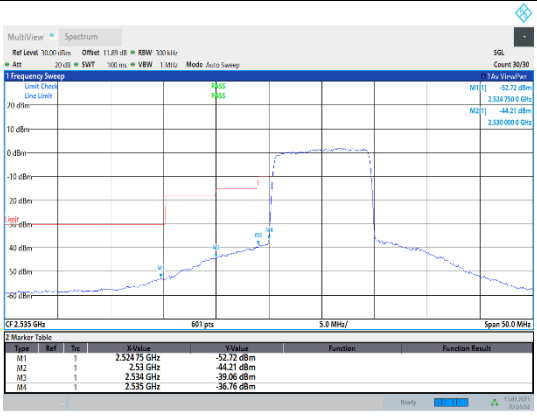

Band41-10MHz-16QAM-41540-50RB#0




Band41-10MHz-64QAM-40090-1RB#0




Band41-10MHz-64QAM-39700-1RB#0

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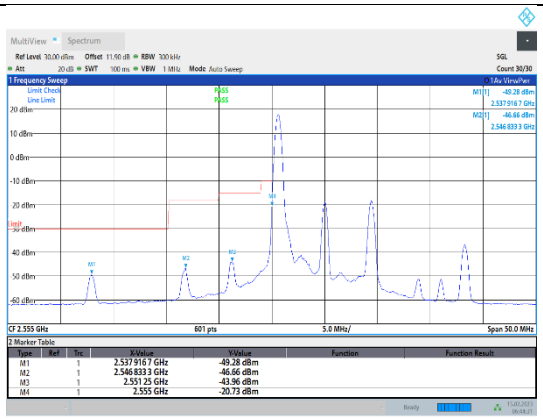


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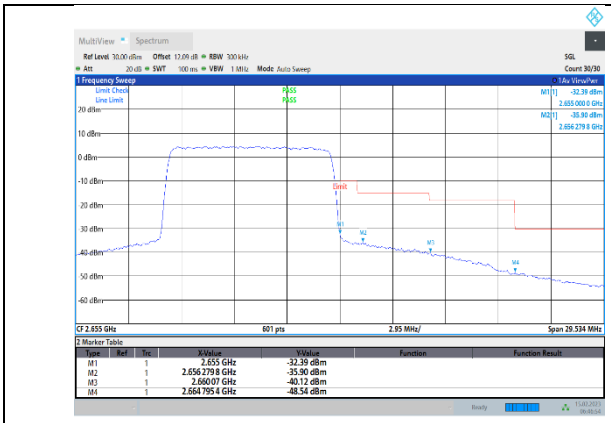
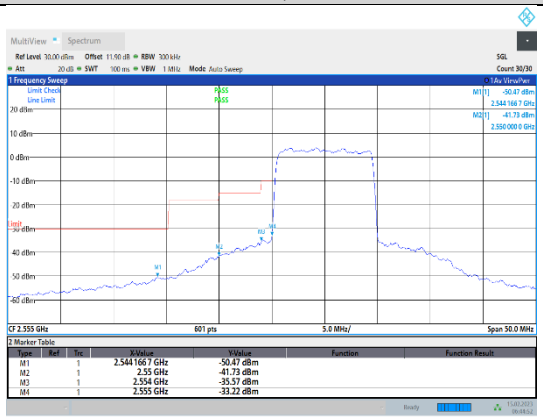
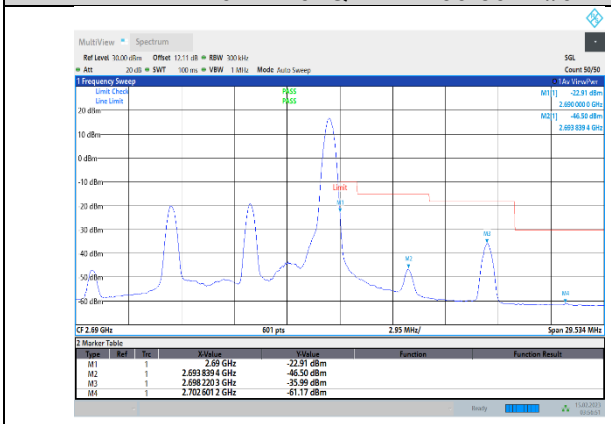


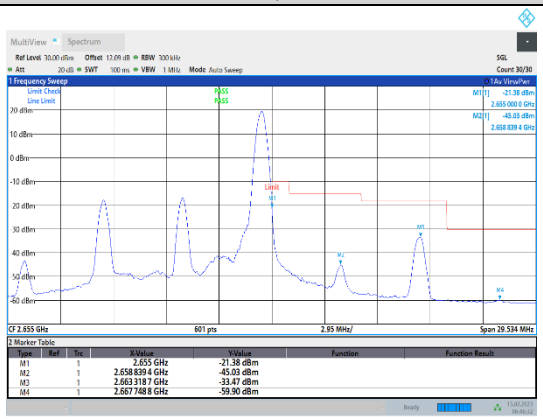

Band41-10MHz-64QAM-41190-50RB#0



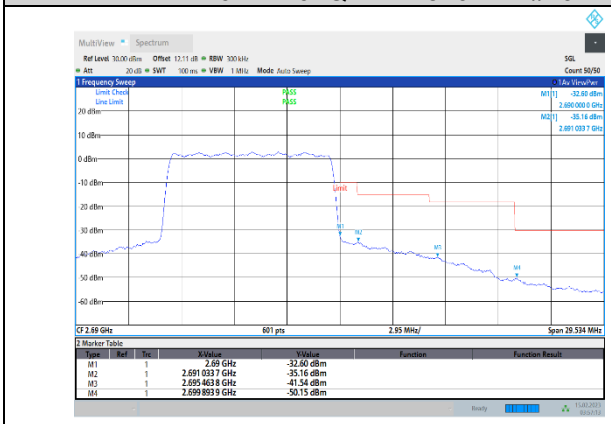

Band41-10MHz-64QAM-40290-50RB#0



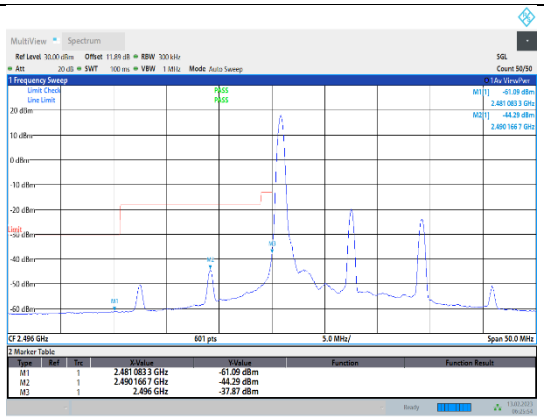

Band41-10MHz-64QAM-41540-1RB#49



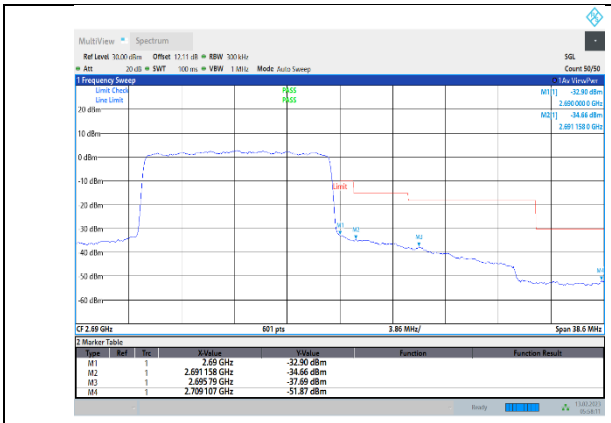

Band41-10MHz-64QAM-41190-1RB#49



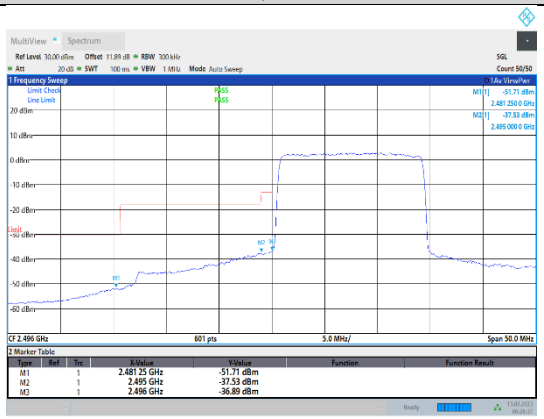

Band41-10MHz-64QAM-41540-50RB#0



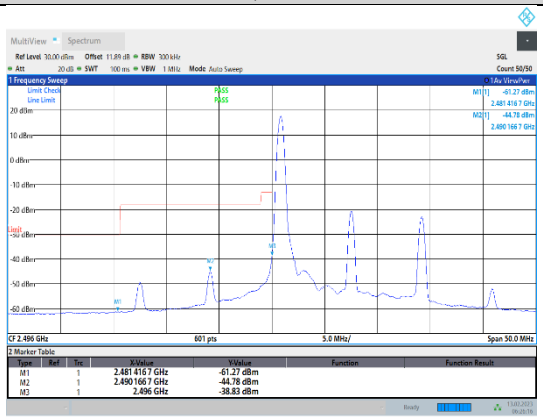

Band41-15MHz-QPSK-39725-1RB#0



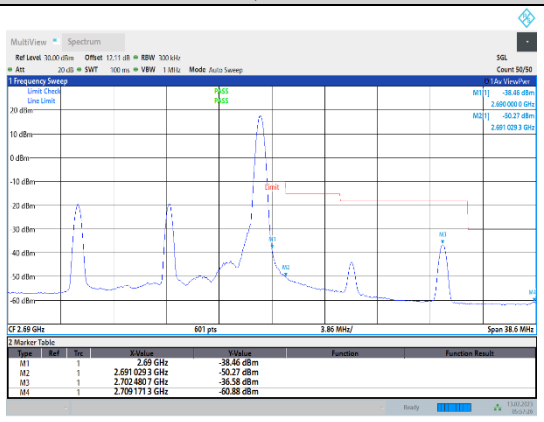

Band41-15MHz-QPSK-41515-75RB#0



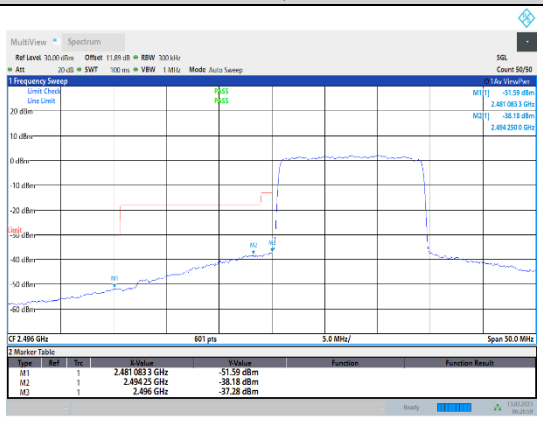

Band41-15MHz-QPSK-39725-75RB#0



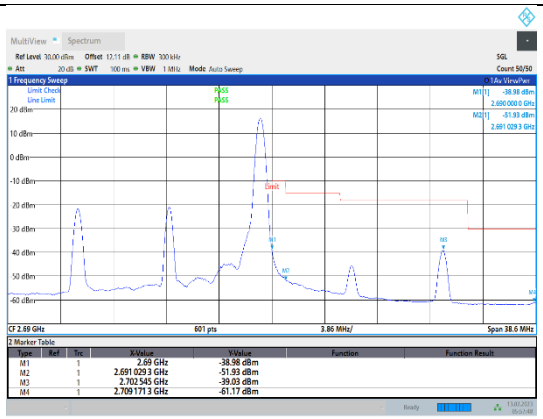

Band41-15MHz-16QAM-39725-1RB#0



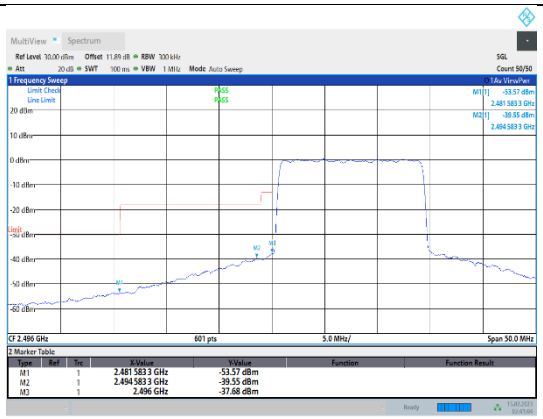

Band41-15MHz-QPSK-41515-1RB#74



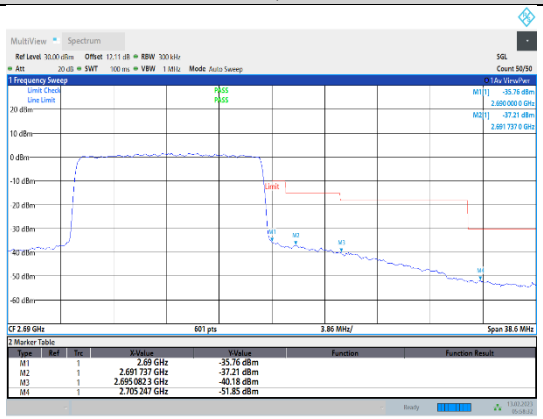

Band41-15MHz-16QAM-39725-75RB#0



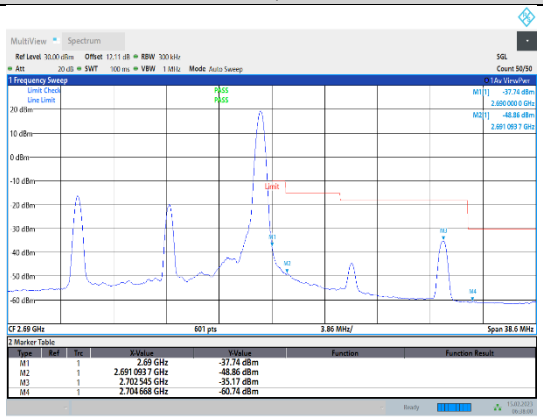

Band41-15MHz-16QAM-41515-1RB#74



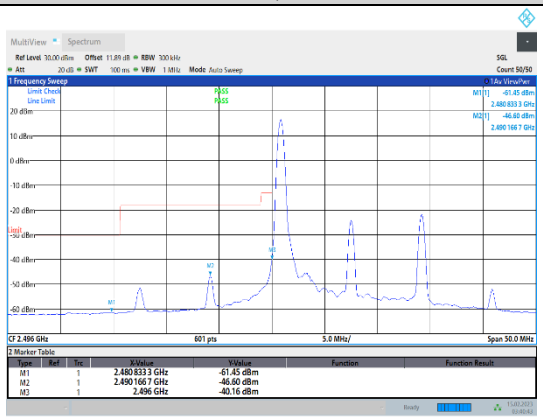

Band41-15MHz-64QAM-39725-75RB#0



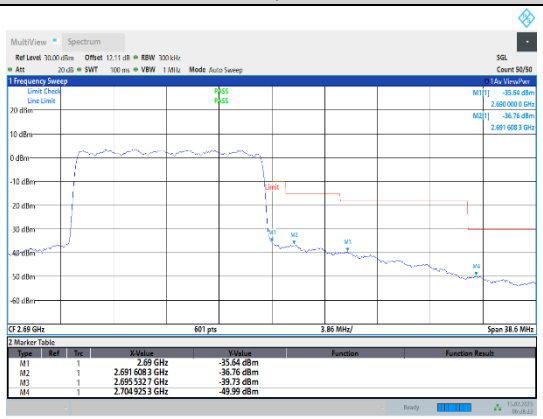

Band41-15MHz-16QAM-41515-75RB#0



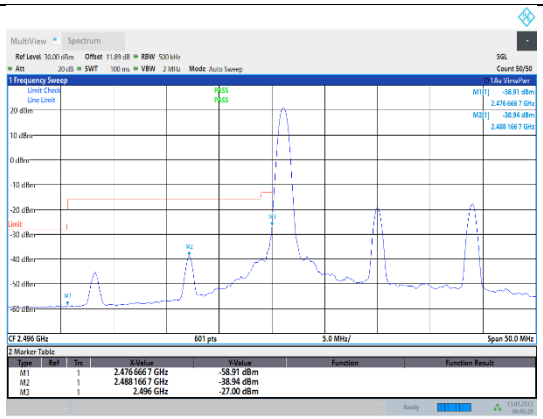

Band41-15MHz-64QAM-41515-1RB#74



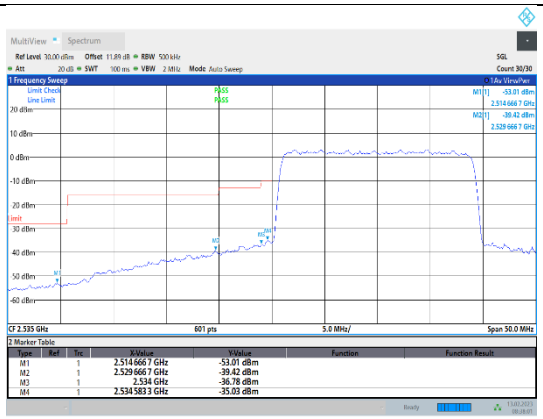

Band41-15MHz-64QAM-39725-1RB#0



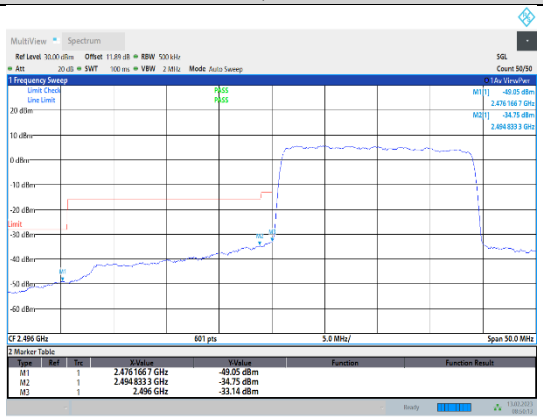

Band41-15MHz-64QAM-41515-75RB#0



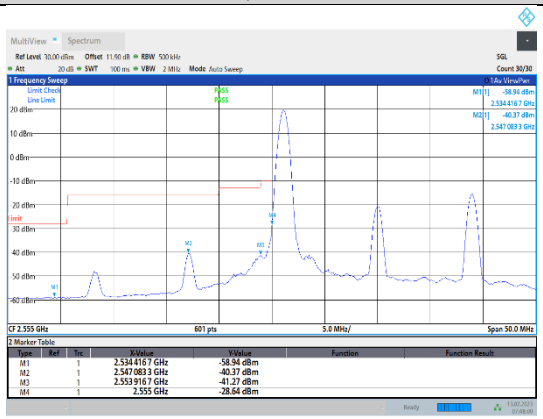

Band41-20MHz-QPSK-39750-1RB#0



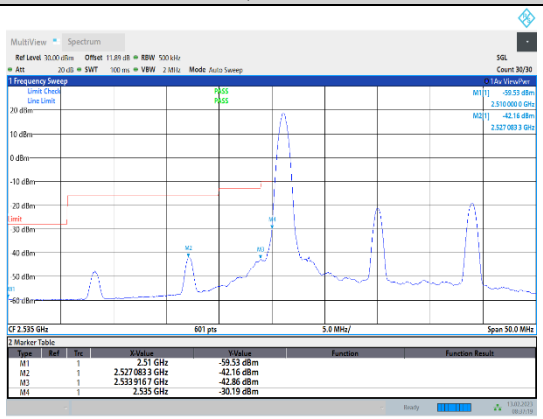

Band41-20MHz-QPSK-40140-100RB#0



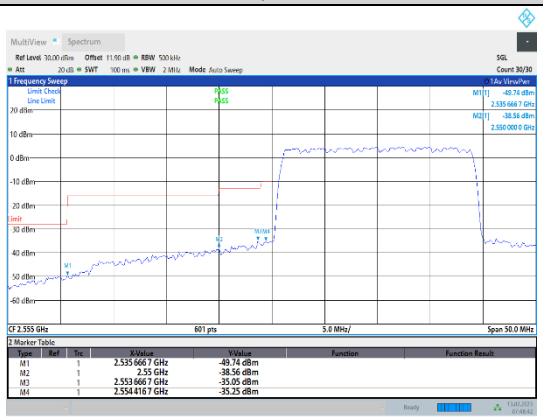

Band41-20MHz-QPSK-39750-100RB#0



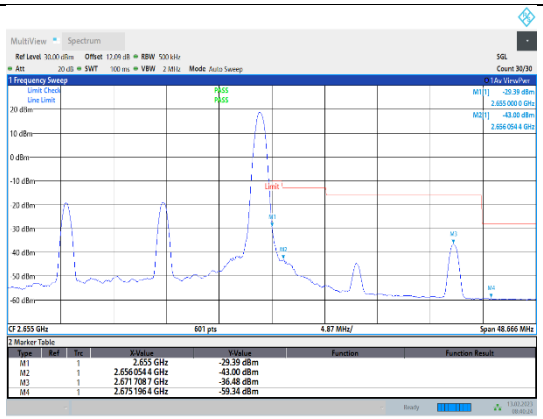

Band41-20MHz-QPSK-40340-1RB#0



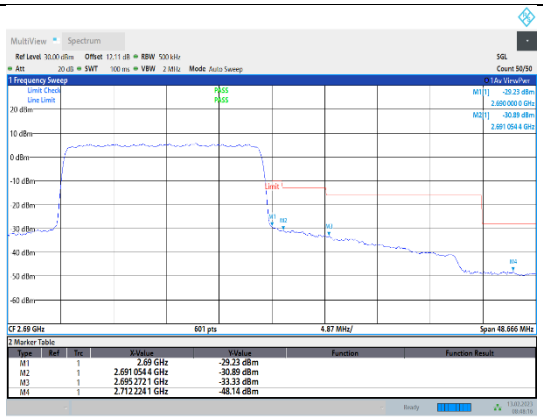

Band41-20MHz-QPSK-40140-1RB#0



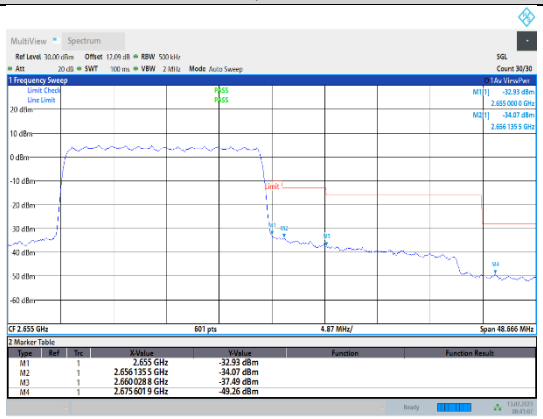

Band41-20MHz-QPSK-40340-100RB#0




Band41-20MHz-QPSK-41140-1RB#99




Band41-20MHz-QPSK-41490-100RB#0

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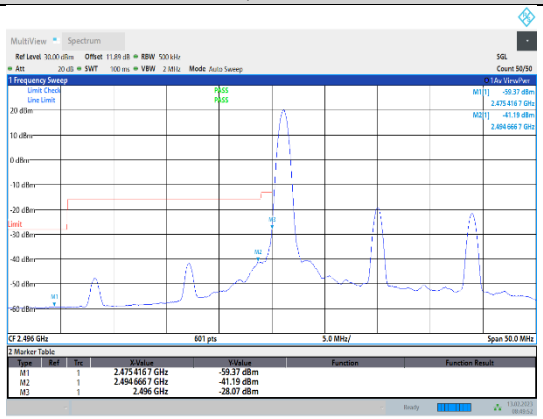


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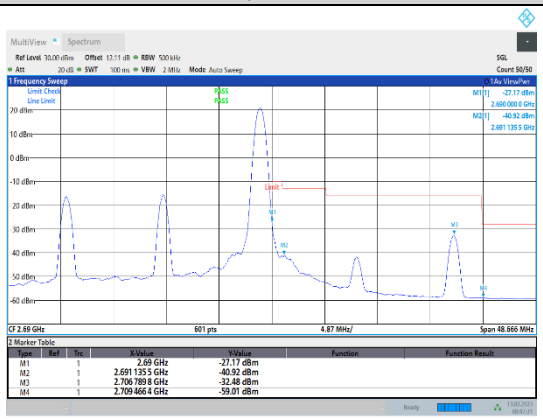


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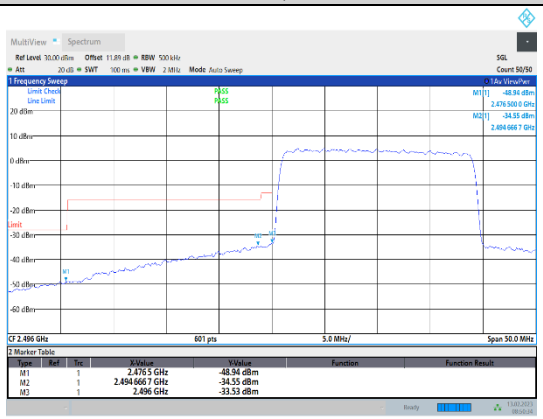


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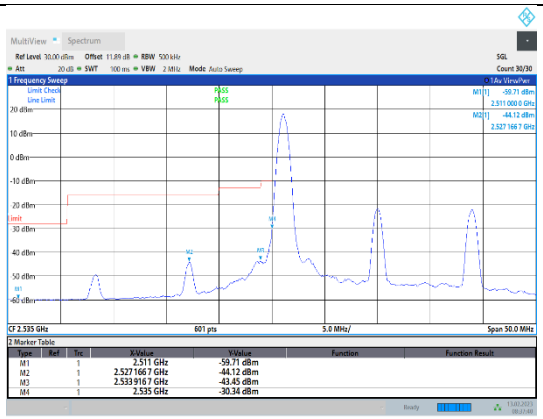


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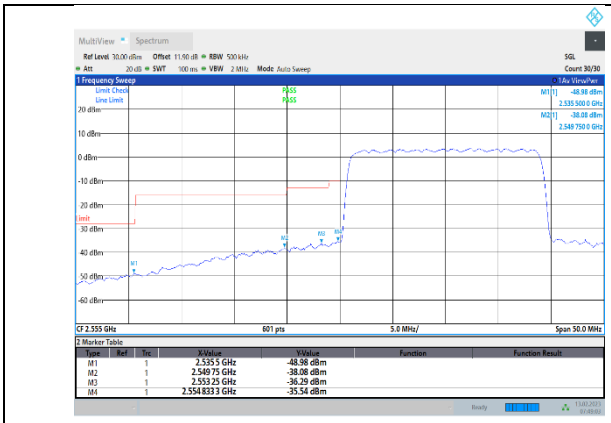
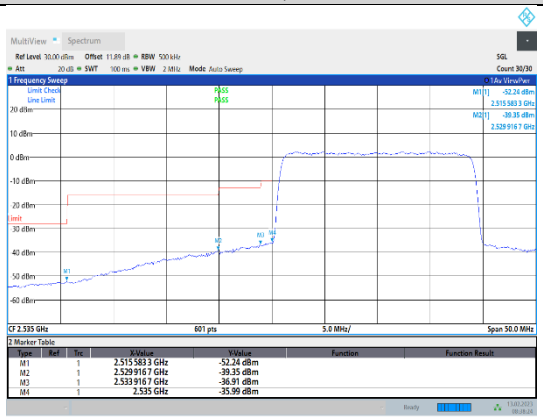



Band41-20MHz-16QAM-40340-100RB#0

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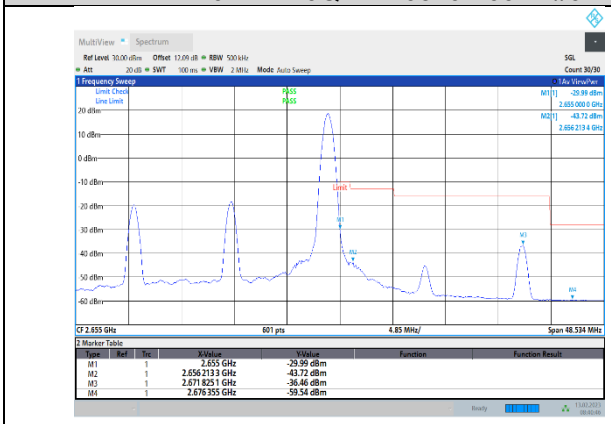


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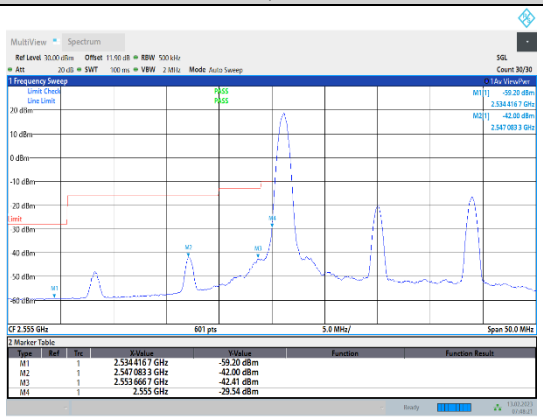


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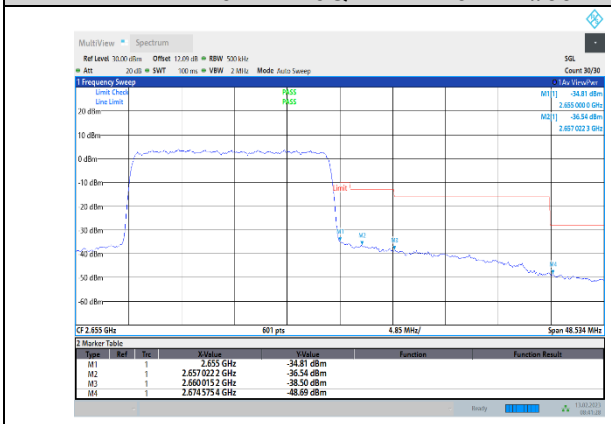


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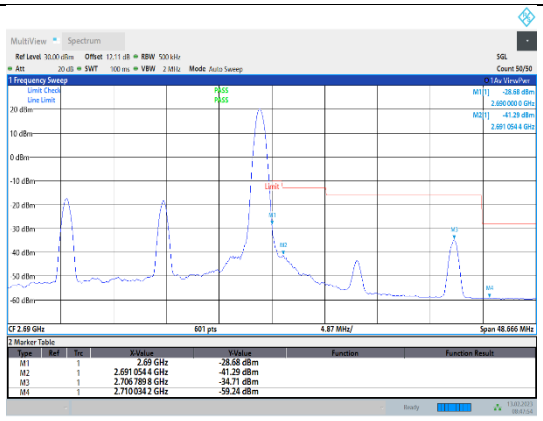


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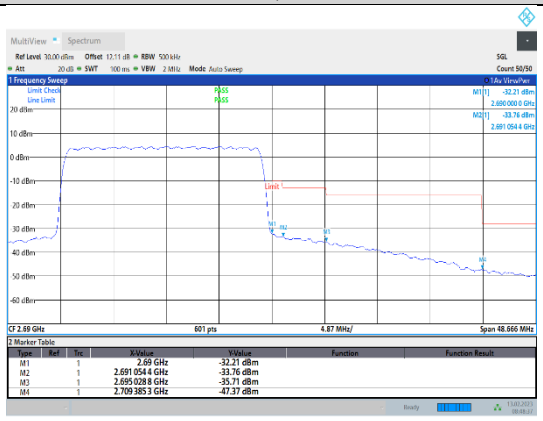


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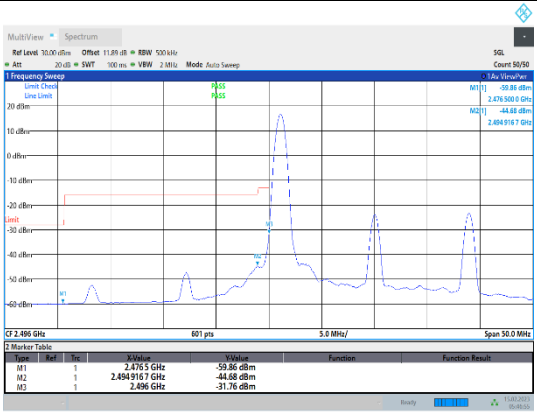
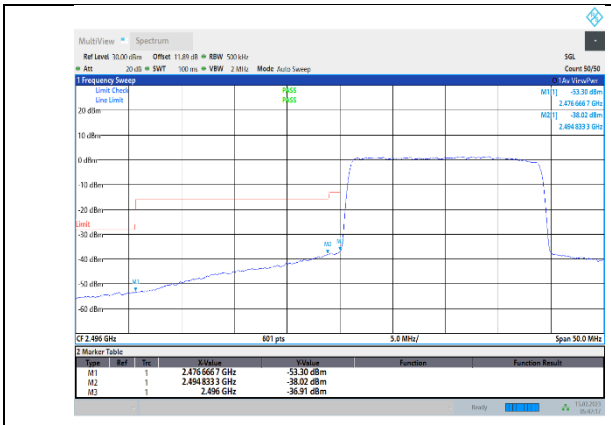



Band41-20MHz-64QAM-39750-1RB#0

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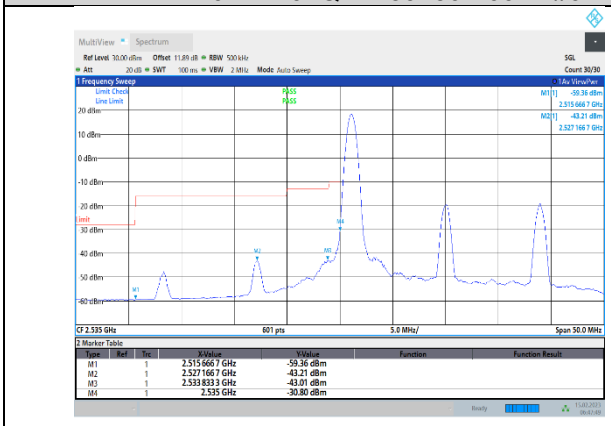


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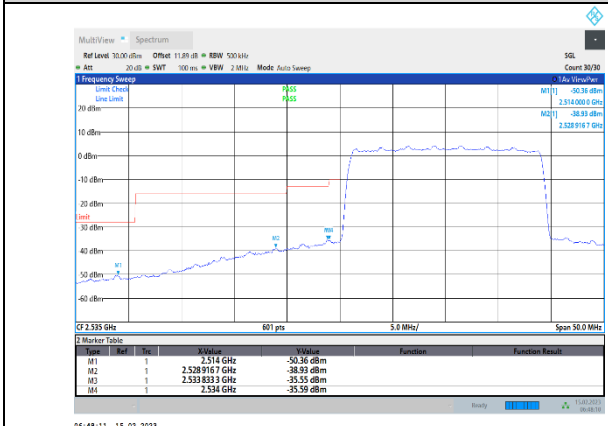


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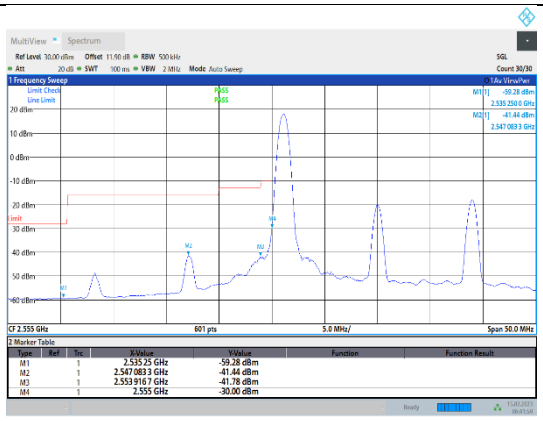


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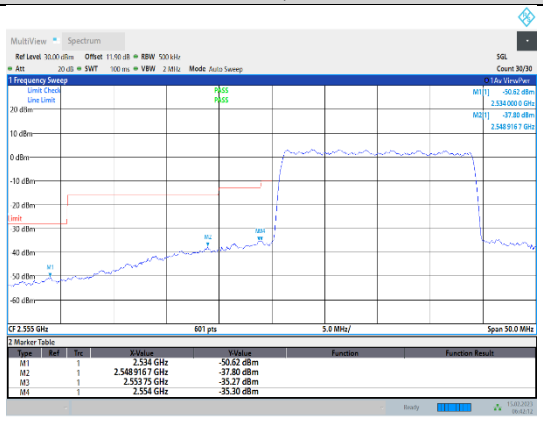


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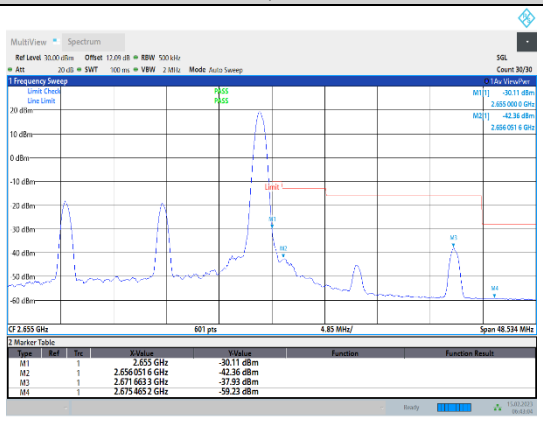


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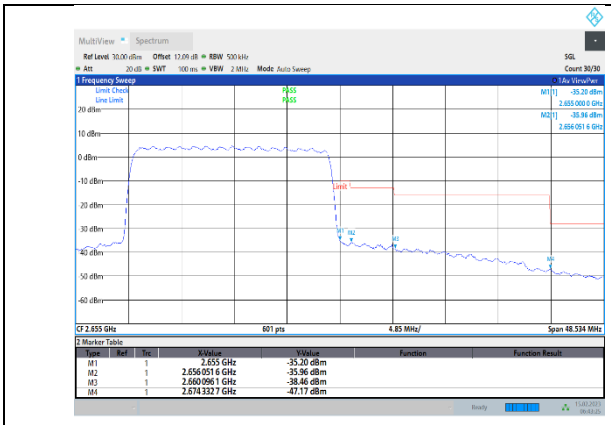


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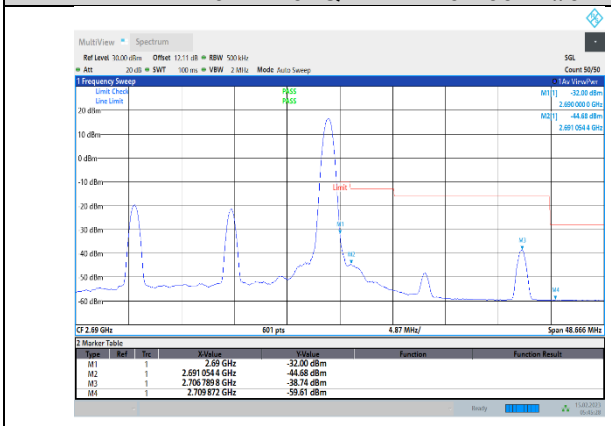


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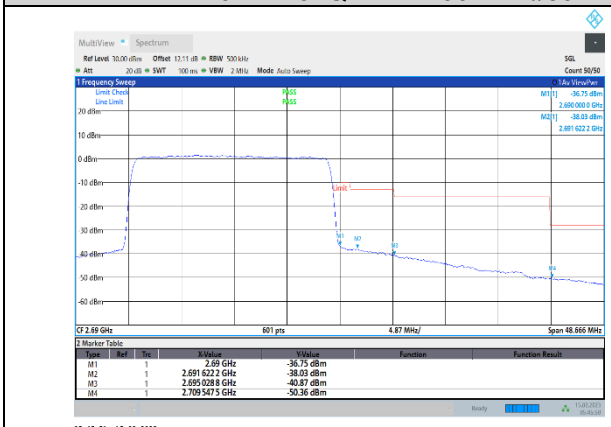



Band41-20MHz-64QAM-41490-100RB#0

## 5.5. Radiated Spurious Emissions

### 5.5.1. Test Standard

FCC § 2.1051, 22.917(a) & 27.53(m)

### 5.5.2. Test Limit

The radio frequency voltage or power generated within the equipment and appearing on a spurious frequency shall be checked at the equipment output terminals when properly loaded with a suitable artificial antenna. Curves or equivalent data shall show the magnitude of each harmonic and other spurious emission that can be detected when the equipment is operated under the conditions specified in FCC 2.1049 as appropriate. The magnitude of spurious emissions which are attenuated more than 20 dB below the permissible value need not be specified.

(a) Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. For all power levels +30dBm to 0dBm, this becomes a constant specification of -13dBm.

§22.917:
The rules in this section govern the spectral characteristics of emissions in the Cellular Radio telephone Service.
(b) Measurement procedure. Compliance with these provisions is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. In the 1MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 100 kHz of 1 percent of emission bandwidth, as specified). 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.

§27.53:
(m)(4) For mobile digital stations, the attenuation factor shall be not less than 43 + 10 log (P)dB at the channel edge and 55 + 10 log (P) dB at 5.5 megahertz from the channel edges.(Channel edges are defined under §27.5 (i) Frequency assignment for the BRS/EBS band)

### 5.5.3. Test Procedure

1. Connect the equipment as shown in the above diagram with the EUT's antenna in a horizontal orientation.
2. Adjust the settings of the Wideband Radio Communication Tester (CMW500) to set the EUT to its maximum power at the required channel.
3. Set the spectrum analyzer to measure peak hold with the required settings.
4. Place the measurement antenna in a horizontal orientation. Rotate the EUT 360 .

Raise the measurement antenna up to 4 meters in 0.5 meters increments and rotate the EUT 360 at each height to maximize all emissions. Measure and record all spurious emissions (LVL) up to the tenth harmonic of the carrier frequency.

5. Replace the EUT with a horizontally polarized half wave dipole or known gain antenna. The center of the antenna should be at the same location as the center of the EUT's antenna.

6. Connect the antenna to a signal generator with known output power and record the path loss in dB (LOSS). LOSS = Generator Output Power (dBm) – Analyzer reading (dBm).

7. Determine the level of spurious emissions using the following equation:

Spurious (dBm) = LVL (dBm) + LOSS (dB):

8. Repeat steps 4, 5 and 6 with all antennas vertically polarized.

9. Determine the level of spurious emissions using the following equation:

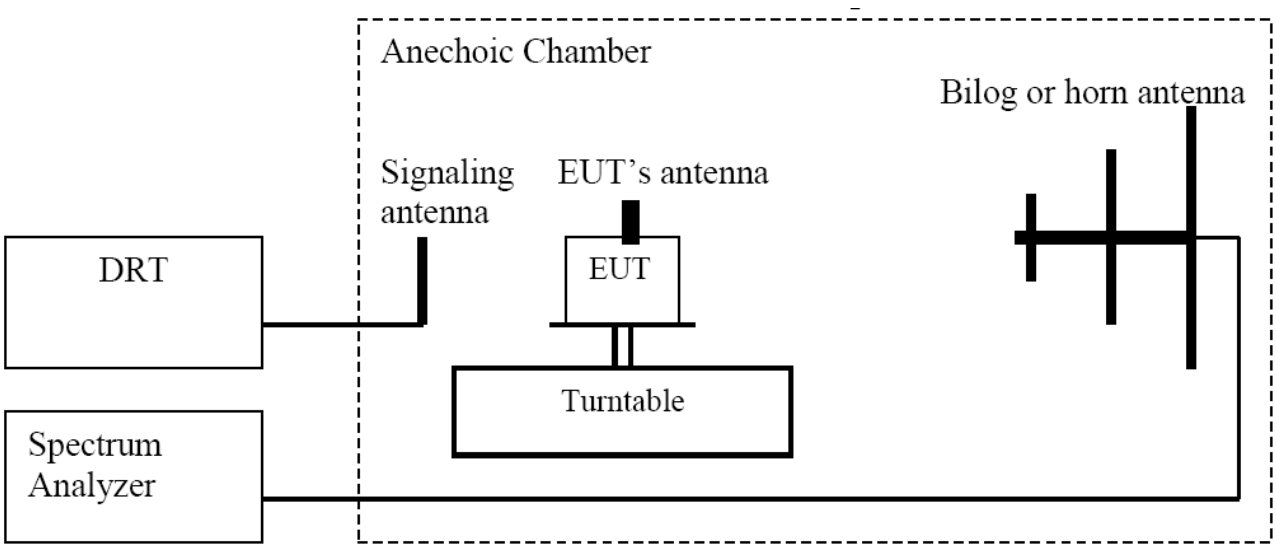
Spurious (dBm) = LVL (dBm) + LOSS (dB):

10. Measurements are to be performed with the EUT set to the low, middle and high channel of each frequency band.

(Note: Steps 5 and 6 above are performed prior to testing and LOSS is recorded by test software. Steps 3, 4 and 7 above are performed with test software.)

Spectrum analyzer settings: RBW=VBW=1MHz

5.5.4.Test Setup



## 5.5.5.Test Data

| Band | Bw. (MHz) | Ch. | Mode | Frequency (MHz) | Ant. (H/V) | Tx Ant. End (dBm) | Preamp (dB) | Atten | EIRP (dBm) | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Band5 | 10 | MCH | QPSK | 2509.5 | H | -9.93 | 40.1 | 2.1 | -50.08 | -13 | PASS |

| Band | Bw. (MHz) | Ch. | Mode | Frequency (MHz) | Ant. (H/V) | Tx Ant. End (dBm) | Preamp (dB) | Atten | EIRP (dBm) | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Band38 | 20 | MCH | QPSK | 5185.5 | V | 2.39 | 38.5 | 5 | -31.11 | -25 | PASS |

| Band | Bw. (MHz) | Ch. | Mode | Frequency (MHz) | Ant. (H/V) | Tx Ant. End (dBm) | Preamp (dB) | Atten | EIRP (dBm) | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Band41 | 20 | MCH | QPSK | 5181 | V | 2.43 | 38.5 | 5 | -31.07 | -25 | PASS |

## 5.6. Frequency Stability

### 5.6.1. Test Standard

FCC § 2.1055 & 22.355 & 27.54

### 5.6.2. Test Limit

For mobile device, the carrier frequency of each transmitter in the Public Mobile Services must be maintained within the tolerances 2.5ppm.

### 5.6.3. Test Procedure

LTE

1. The transmitter output (antenna port) was connected to the BS Simulator.
2. The BS simulator was used to set the TX channel and power level and modulate the TX signal with different bit patterns.
3. BS simulator used the frequency error function and measured the peak frequency error. Power must be removed when changing from one temperature to another or one voltage to another voltage. Power warm up is at least 15 min and power applied should perform before recording frequency error. The each temperature step shall be at least 0.5 hours, consider the EUT could be test under the stability condition.
4. EUT is connected the external power supply to control the DC input power. Each step shall be record the frequency error rate.
5. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.
6. Extreme temperature rule is -30°C~50°C.

### 5.6.4. Test Setup

Connect the EUT to the Wireless Communication test set via the connector. Then measure the frequency error by the Wireless Communication test set. The EUT's output is matched with a 50 Ω load.

## 5.6.5.Test Data

Frequency Error vs. Voltage:

| Voltage | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Band | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (℃) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band5 | 1.4MHz | QPSK | 20525 | 6RB#0 | VL | NT | -0.036701 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 6RB#0 | VN | NT | -0.028691 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 6RB#0 | VH | NT | -0.027137 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0 | VL | NT | -0.003108 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0 | VN | NT | -0.036222 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0 | VH | NT | -0.029886 | ±2.5 | PASS |
| Band5 | 1.4MHz | 64QAM | 20525 | 6RB#0 | VL | NT | 0.086432 | ±2.5 | PASS |
| Band5 | 1.4MHz | 64QAM | 20525 | 6RB#0 | VN | NT | 0.080813 | ±2.5 | PASS |
| Band5 | 1.4MHz | 64QAM | 20525 | 6RB#0 | VH | NT | 0.070412 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 15RB#0 | VL | NT | -0.038374 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 15RB#0 | VN | NT | -0.023909 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 15RB#0 | VH | NT | -0.042200 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | VL | NT | -0.032158 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | VN | NT | -0.011955 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | VH | NT | -0.011955 | ±2.5 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 15RB#0 | VL | NT | -0.046981 | ±2.5 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 15RB#0 | VN | NT | -0.030723 | ±2.5 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 15RB#0 | VH | NT | -0.047340 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 25RB#0 | VL | NT | -0.032277 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 25RB#0 | VN | NT | -0.023790 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 25RB#0 | VH | NT | -0.017215 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 25RB#0 | VL | NT | -0.012791 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 25RB#0 | VN | NT | -0.035505 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 25RB#0 | VH | NT | -0.008249 | ±2.5 | PASS |
| Band5 | 5MHz | 64QAM | 20525 | 25RB#0 | VL | NT | -0.008607 | ±2.5 | PASS |
| Band5 | 5MHz | 64QAM | 20525 | 25RB#0 | VN | NT | -0.001435 | ±2.5 | PASS |
| Band5 | 5MHz | 64QAM | 20525 | 25RB#0 | VH | NT | 0.003825 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 50RB#0 | VL | NT | -0.032158 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 50RB#0 | VN | NT | -0.044351 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 50RB#0 | VH | NT | -0.031680 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | VL | NT | -0.032277 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | VN | NT | -0.028093 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | VH | NT | -0.024746 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0 | VL | NT | -0.023192 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0 | VN | NT | 0.000598 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0 | VH | NT | -0.036342 | ±2.5 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 25RB#0 | VL | NT | -0.003044 | ±2.5 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 25RB#0 | VN | NT | -0.008555 | ±2.5 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 25RB#0 | VH | NT | -0.012909 | ±2.5 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 25RB#0 | VL | NT | -0.010096 | ±2.5 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 25RB#0 | VN | NT | -0.006628 | ±2.5 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 25RB#0 | VH | NT | -0.009441 | ±2.5 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 25RB#0 | VL | NT | -0.002890 | ±2.5 | PASS |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Band38 | 5MHz | 64QAM | 38000 | 25RB#0 | VN | NT | -0.000809 | ±2.5 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 25RB#0 | VH | NT | -0.011908 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 50RB#0 | VL | NT | -0.005934 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 50RB#0 | VN | NT | -0.013487 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 50RB#0 | VH | NT | -0.007476 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | VL | NT | -0.012100 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | VN | NT | -0.009788 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | VH | NT | -0.015607 | ±2.5 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 50RB#0 | VL | NT | 0.005934 | ±2.5 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 50RB#0 | VN | NT | 0.007900 | ±2.5 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 50RB#0 | VH | NT | 0.002235 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 75RB#0 | VL | NT | -0.011792 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 75RB#0 | VN | NT | -0.005472 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 75RB#0 | VH | NT | -0.005434 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | VL | NT | -0.002736 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | VN | NT | -0.005549 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | VH | NT | -0.001426 | ±2.5 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 75RB#0 | VL | NT | -0.004355 | ±2.5 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 75RB#0 | VN | NT | 0.006782 | ±2.5 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 75RB#0 | VH | NT | 0.001156 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | VL | NT | -0.018343 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | VN | NT | -0.012601 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | VH | NT | -0.012909 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | VL | NT | -0.015684 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | VN | NT | -0.019114 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | VH | NT | -0.011021 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | VL | NT | 0.001349 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | VN | NT | 0.001696 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | VH | NT | -0.011908 | ±2.5 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 25RB#0 | VL | NT | -0.013575 | ±2.5 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 25RB#0 | VN | NT | -0.005399 | ±2.5 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 25RB#0 | VH | NT | -0.010297 | ±2.5 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 25RB#0 | VL | NT | -0.006132 | ±2.5 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 25RB#0 | VN | NT | -0.011647 | ±2.5 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 25RB#0 | VH | NT | -0.012495 | ±2.5 | PASS |
| Band41 | 5MHz | 64QAM | 40620 | 25RB#0 | VL | NT | -0.004126 | ±2.5 | PASS |
| Band41 | 5MHz | 64QAM | 40620 | 25RB#0 | VN | NT | -0.009217 | ±2.5 | PASS |
| Band41 | 5MHz | 64QAM | 40620 | 25RB#0 | VH | NT | -0.010721 | ±2.5 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 50RB#0 | VL | NT | -0.013035 | ±2.5 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 50RB#0 | VN | NT | -0.016545 | ±2.5 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 50RB#0 | VH | NT | -0.009024 | ±2.5 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 50RB#0 | VL | NT | -0.018434 | ±2.5 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 50RB#0 | VN | NT | -0.013189 | ±2.5 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 50RB#0 | VH | NT | -0.006170 | ±2.5 | PASS |
| Band41 | 10MHz | 64QAM | 40620 | 50RB#0 | VL | NT | -0.007983 | ±2.5 | PASS |
| Band41 | 10MHz | 64QAM | 40620 | 50RB#0 | VN | NT | -0.010336 | ±2.5 | PASS |
| Band41 | 10MHz | 64QAM | 40620 | 50RB#0 | VH | NT | 0.002738 | ±2.5 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 75RB#0 | VL | NT | -0.014346 | ±2.5 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 75RB#0 | VN | NT | -0.012495 | ±2.5 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 75RB#0 | VH | NT | -0.014192 | ±2.5 | PASS |

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|---|---|---|---|---|---|---|---|---|---|
| Band41 | 15MHz | 16QAM | 40620 | 75RB#0 | VL | NT | -0.009873 | ±2.5 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 75RB#0 | VN | NT | -0.003625 | ±2.5 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 75RB#0 | VH | NT | -0.014192 | ±2.5 | PASS |
| Band41 | 15MHz | 64QAM | 40620 | 75RB#0 | VL | NT | 0.001658 | ±2.5 | PASS |
| Band41 | 15MHz | 64QAM | 40620 | 75RB#0 | VN | NT | -0.000347 | ±2.5 | PASS |
| Band41 | 15MHz | 64QAM | 40620 | 75RB#0 | VH | NT | -0.006903 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK | 40620 | 100RB#0 | VL | NT | -0.008562 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK | 40620 | 100RB#0 | VN | NT | -0.014578 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK | 40620 | 100RB#0 | VH | NT | -0.008639 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | VL | NT | -0.008677 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | VN | NT | -0.002352 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | VH | NT | -0.011068 | ±2.5 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 100RB#0 | VL | NT | -0.005515 | ±2.5 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 100RB#0 | VN | NT | -0.004551 | ±2.5 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 100RB#0 | VH | NT | -0.002430 | ±2.5 | PASS |

Frequency Error vs. Temperature:

| Temperature | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Band | Bandwidth | Modulation | Channel | RB Configure | Voltage [Vdc] | Temperature (℃) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band5 | 1.4MHz | QPSK | 20525 | 6RB#0 | NV | -30 | -0.032397 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 6RB#0 | NV | -20 | -0.037657 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 6RB#0 | NV | -10 | -0.047221 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 6RB#0 | NV | 0 | -0.020681 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 6RB#0 | NV | 10 | -0.016378 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 6RB#0 | NV | 20 | -0.038733 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 6RB#0 | NV | 30 | -0.022475 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 6RB#0 | NV | 40 | -0.042917 | ±2.5 | PASS |
| Band5 | 1.4MHz | QPSK | 20525 | 6RB#0 | NV | 50 | -0.024507 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0 | NV | -30 | -0.018769 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0 | NV | -20 | -0.033353 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0 | NV | -10 | -0.016736 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0 | NV | 0 | -0.034071 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0 | NV | 10 | -0.040765 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0 | NV | 20 | -0.029050 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0 | NV | 30 | -0.024268 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0 | NV | 40 | -0.036701 | ±2.5 | PASS |
| Band5 | 1.4MHz | 16QAM | 20525 | 6RB#0 | NV | 50 | -0.038852 | ±2.5 | PASS |
| Band5 | 1.4MHz | 64QAM | 20525 | 6RB#0 | NV | -30 | 0.041602 | ±2.5 | PASS |
| Band5 | 1.4MHz | 64QAM | 20525 | 6RB#0 | NV | -20 | 0.088703 | ±2.5 | PASS |
| Band5 | 1.4MHz | 64QAM | 20525 | 6RB#0 | NV | -10 | 0.111775 | ±2.5 | PASS |
| Band5 | 1.4MHz | 64QAM | 20525 | 6RB#0 | NV | 0 | 0.053796 | ±2.5 | PASS |
| Band5 | 1.4MHz | 64QAM | 20525 | 6RB#0 | NV | 10 | 0.064316 | ±2.5 | PASS |
| Band5 | 1.4MHz | 64QAM | 20525 | 6RB#0 | NV | 20 | 0.082726 | ±2.5 | PASS |
| Band5 | 1.4MHz | 64QAM | 20525 | 6RB#0 | NV | 30 | 0.048775 | ±2.5 | PASS |
| Band5 | 1.4MHz | 64QAM | 20525 | 6RB#0 | NV | 40 | 0.075075 | ±2.5 | PASS |
| Band5 | 1.4MHz | 64QAM | 20525 | 6RB#0 | NV | 50 | 0.049253 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 15RB#0 | NV | -30 | -0.041124 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 15RB#0 | NV | -20 | -0.036103 | ±2.5 | PASS |

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|---|---|---|---|---|---|---|---|---|---|
| Band5 | 3MHz | QPSK | 20525 | 15RB#0 | NV | -10 | -0.028332 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 15RB#0 | NV | 0 | -0.045666 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 15RB#0 | NV | 10 | -0.022833 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 15RB#0 | NV | 20 | -0.011715 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 15RB#0 | NV | 30 | -0.040406 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 15RB#0 | NV | 40 | -0.009205 | ±2.5 | PASS |
| Band5 | 3MHz | QPSK | 20525 | 15RB#0 | NV | 50 | -0.038016 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | NV | -30 | -0.033353 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | NV | -20 | -0.022953 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | NV | -10 | -0.021877 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | NV | 0 | -0.014345 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | NV | 10 | -0.046025 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | NV | 20 | -0.041721 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | NV | 30 | -0.016139 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | NV | 40 | -0.019964 | ±2.5 | PASS |
| Band5 | 3MHz | 16QAM | 20525 | 15RB#0 | NV | 50 | -0.035505 | ±2.5 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 15RB#0 | NV | -30 | -0.051524 | ±2.5 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 15RB#0 | NV | -20 | -0.048057 | ±2.5 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 15RB#0 | NV | -10 | -0.027735 | ±2.5 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 15RB#0 | NV | 0 | -0.045906 | ±2.5 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 15RB#0 | NV | 10 | -0.040287 | ±2.5 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 15RB#0 | NV | 20 | -0.042080 | ±2.5 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 15RB#0 | NV | 30 | -0.042319 | ±2.5 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 15RB#0 | NV | 40 | -0.037537 | ±2.5 | PASS |
| Band5 | 3MHz | 64QAM | 20525 | 15RB#0 | NV | 50 | -0.042200 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 25RB#0 | NV | -30 | -0.017573 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 25RB#0 | NV | -20 | -0.032875 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 25RB#0 | NV | -10 | -0.025344 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 25RB#0 | NV | 0 | -0.044591 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 25RB#0 | NV | 10 | -0.025583 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 25RB#0 | NV | 20 | -0.040646 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 25RB#0 | NV | 30 | -0.016617 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 25RB#0 | NV | 40 | -0.024148 | ±2.5 | PASS |
| Band5 | 5MHz | QPSK | 20525 | 25RB#0 | NV | 50 | -0.020084 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 25RB#0 | NV | -30 | -0.024029 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 25RB#0 | NV | -20 | -0.033951 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 25RB#0 | NV | -10 | -0.041721 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 25RB#0 | NV | 0 | -0.041961 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 25RB#0 | NV | 10 | -0.026061 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 25RB#0 | NV | 20 | -0.024985 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 25RB#0 | NV | 30 | -0.032397 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 25RB#0 | NV | 40 | -0.044830 | ±2.5 | PASS |
| Band5 | 5MHz | 16QAM | 20525 | 25RB#0 | NV | 50 | -0.024746 | ±2.5 | PASS |
| Band5 | 5MHz | 64QAM | 20525 | 25RB#0 | NV | -30 | 0.001195 | ±2.5 | PASS |
| Band5 | 5MHz | 64QAM | 20525 | 25RB#0 | NV | -20 | -0.005858 | ±2.5 | PASS |
| Band5 | 5MHz | 64QAM | 20525 | 25RB#0 | NV | -10 | -0.006097 | ±2.5 | PASS |
| Band5 | 5MHz | 64QAM | 20525 | 25RB#0 | NV | 0 | 0.003825 | ±2.5 | PASS |
| Band5 | 5MHz | 64QAM | 20525 | 25RB#0 | NV | 10 | 0.003706 | ±2.5 | PASS |
| Band5 | 5MHz | 64QAM | 20525 | 25RB#0 | NV | 20 | -0.004901 | ±2.5 | PASS |
| Band5 | 5MHz | 64QAM | 20525 | 25RB#0 | NV | 30 | -0.014585 | ±2.5 | PASS |

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|---|---|---|---|---|---|---|---|---|---|
| Band5 | 5MHz | 64QAM | 20525 | 25RB#0 | NV | 40 | 0.009803 | ±2.5 | PASS |
| Band5 | 5MHz | 64QAM | 20525 | 25RB#0 | NV | 50 | 0.014345 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 50RB#0 | NV | -30 | -0.018649 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 50RB#0 | NV | -20 | -0.032277 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 50RB#0 | NV | -10 | -0.016856 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 50RB#0 | NV | 0 | -0.032636 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 50RB#0 | NV | 10 | -0.036342 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 50RB#0 | NV | 20 | -0.030245 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 50RB#0 | NV | 30 | -0.029528 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 50RB#0 | NV | 40 | -0.040167 | ±2.5 | PASS |
| Band5 | 10MHz | QPSK | 20525 | 50RB#0 | NV | 50 | -0.026778 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | -30 | -0.040526 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | -20 | -0.033712 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | -10 | -0.010042 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | 0 | -0.025941 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | 10 | -0.023670 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | 20 | -0.024746 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | 30 | -0.034310 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | 40 | -0.017693 | ±2.5 | PASS |
| Band5 | 10MHz | 16QAM | 20525 | 50RB#0 | NV | 50 | -0.042797 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0 | NV | -30 | -0.014465 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0 | NV | -20 | -0.006695 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0 | NV | -10 | -0.019725 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0 | NV | 0 | -0.024507 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0 | NV | 10 | -0.012313 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0 | NV | 20 | -0.015660 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0 | NV | 30 | -0.018888 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0 | NV | 40 | -0.031560 | ±2.5 | PASS |
| Band5 | 10MHz | 64QAM | 20525 | 50RB#0 | NV | 50 | -0.022355 | ±2.5 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 25RB#0 | NV | -30 | -0.007823 | ±2.5 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 25RB#0 | NV | -20 | -0.012447 | ±2.5 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 25RB#0 | NV | -10 | -0.010058 | ±2.5 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 25RB#0 | NV | 0 | -0.016224 | ±2.5 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 25RB#0 | NV | 10 | 0.000501 | ±2.5 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 25RB#0 | NV | 20 | -0.011599 | ±2.5 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 25RB#0 | NV | 30 | -0.005549 | ±2.5 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 25RB#0 | NV | 40 | -0.018459 | ±2.5 | PASS |
| Band38 | 5MHz | QPSK | 38000 | 25RB#0 | NV | 50 | 0.000539 | ±2.5 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 25RB#0 | NV | -30 | -0.014143 | ±2.5 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 25RB#0 | NV | -20 | 0.001464 | ±2.5 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 25RB#0 | NV | -10 | -0.009904 | ±2.5 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 25RB#0 | NV | 0 | -0.014605 | ±2.5 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 25RB#0 | NV | 10 | -0.001233 | ±2.5 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 25RB#0 | NV | 20 | -0.015800 | ±2.5 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 25RB#0 | NV | 30 | -0.011291 | ±2.5 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 25RB#0 | NV | 40 | -0.014913 | ±2.5 | PASS |
| Band38 | 5MHz | 16QAM | 38000 | 25RB#0 | NV | 50 | -0.007091 | ±2.5 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 25RB#0 | NV | -30 | -0.003121 | ±2.5 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 25RB#0 | NV | -20 | -0.010328 | ±2.5 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 25RB#0 | NV | -10 | -0.014181 | ±2.5 | PASS |

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|---|---|---|---|---|---|---|---|---|---|
| Band38 | 5MHz | 64QAM | 38000 | 25RB#0 | NV | 0 | -0.008478 | ±2.5 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 25RB#0 | NV | 10 | -0.012871 | ±2.5 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 25RB#0 | NV | 20 | -0.010983 | ±2.5 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 25RB#0 | NV | 30 | -0.005703 | ±2.5 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 25RB#0 | NV | 40 | -0.006435 | ±2.5 | PASS |
| Band38 | 5MHz | 64QAM | 38000 | 25RB#0 | NV | 50 | 0.004123 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 50RB#0 | NV | -30 | -0.006320 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 50RB#0 | NV | -20 | -0.012678 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 50RB#0 | NV | -10 | -0.013526 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 50RB#0 | NV | 0 | -0.013372 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 50RB#0 | NV | 10 | -0.017341 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 50RB#0 | NV | 20 | -0.016570 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 50RB#0 | NV | 30 | -0.011137 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 50RB#0 | NV | 40 | -0.005318 | ±2.5 | PASS |
| Band38 | 10MHz | QPSK | 38000 | 50RB#0 | NV | 50 | -0.013218 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | -30 | -0.016956 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | -20 | -0.006898 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | -10 | -0.010674 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | 0 | -0.007514 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | 10 | -0.010636 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | 20 | -0.010366 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | 30 | -0.002158 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | 40 | -0.012640 | ±2.5 | PASS |
| Band38 | 10MHz | 16QAM | 38000 | 50RB#0 | NV | 50 | -0.004663 | ±2.5 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 50RB#0 | NV | -30 | -0.002197 | ±2.5 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 50RB#0 | NV | -20 | 0.007283 | ±2.5 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 50RB#0 | NV | -10 | 0.005241 | ±2.5 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 50RB#0 | NV | 0 | -0.007206 | ±2.5 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 50RB#0 | NV | 10 | -0.000347 | ±2.5 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 50RB#0 | NV | 20 | 0.000578 | ±2.5 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 50RB#0 | NV | 30 | 0.003198 | ±2.5 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 50RB#0 | NV | 40 | -0.006050 | ±2.5 | PASS |
| Band38 | 10MHz | 64QAM | 38000 | 50RB#0 | NV | 50 | -0.000424 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 75RB#0 | NV | -30 | -0.000886 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 75RB#0 | NV | -20 | -0.012755 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 75RB#0 | NV | -10 | -0.008401 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 75RB#0 | NV | 0 | -0.011175 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 75RB#0 | NV | 10 | -0.008863 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 75RB#0 | NV | 20 | -0.012177 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 75RB#0 | NV | 30 | 0.001580 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 75RB#0 | NV | 40 | -0.011792 | ±2.5 | PASS |
| Band38 | 15MHz | QPSK | 38000 | 75RB#0 | NV | 50 | -0.014721 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | NV | -30 | -0.012177 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | NV | -20 | -0.012216 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | NV | -10 | -0.012987 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | NV | 0 | -0.006975 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | NV | 10 | -0.002775 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | NV | 20 | -0.006281 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | NV | 30 | -0.002852 | ±2.5 | PASS |
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | NV | 40 | -0.006050 | ±2.5 | PASS |

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|---|---|---|---|---|---|---|---|---|---|
| Band38 | 15MHz | 16QAM | 38000 | 75RB#0 | NV | 50 | -0.007553 | ±2.5 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 75RB#0 | NV | -30 | -0.015645 | ±2.5 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 75RB#0 | NV | -20 | -0.007823 | ±2.5 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 75RB#0 | NV | -10 | -0.000963 | ±2.5 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 75RB#0 | NV | 0 | 0.000771 | ±2.5 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 75RB#0 | NV | 10 | 0.002119 | ±2.5 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 75RB#0 | NV | 20 | -0.004123 | ±2.5 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 75RB#0 | NV | 30 | 0.005742 | ±2.5 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 75RB#0 | NV | 40 | 0.000771 | ±2.5 | PASS |
| Band38 | 15MHz | 64QAM | 38000 | 75RB#0 | NV | 50 | -0.004046 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | NV | -30 | -0.017688 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | NV | -20 | -0.011445 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | NV | -10 | -0.012139 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | NV | 0 | -0.006012 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | NV | 10 | -0.010944 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | NV | 20 | -0.009171 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | NV | 30 | -0.009056 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | NV | 40 | -0.005896 | ±2.5 | PASS |
| Band38 | 20MHz | QPSK | 38000 | 100RB#0 | NV | 50 | -0.011753 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | -30 | -0.010289 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | -20 | -0.001888 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | -10 | -0.002852 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 0 | -0.003314 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 10 | 0.000539 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 20 | -0.004316 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 30 | -0.018304 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 40 | -0.004624 | ±2.5 | PASS |
| Band38 | 20MHz | 16QAM | 38000 | 100RB#0 | NV | 50 | -0.003776 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | NV | -30 | -0.013680 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | NV | -20 | -0.008285 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | NV | -10 | 0.003622 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | NV | 0 | -0.000385 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | NV | 10 | 0.008092 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | NV | 20 | -0.004663 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | NV | 30 | -0.006204 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | NV | 40 | -0.001618 | ±2.5 | PASS |
| Band38 | 20MHz | 64QAM | 38000 | 100RB#0 | NV | 50 | -0.001272 | ±2.5 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 25RB#0 | NV | -30 | -0.007173 | ±2.5 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 25RB#0 | NV | -20 | -0.006595 | ±2.5 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 25RB#0 | NV | -10 | -0.013035 | ±2.5 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 25RB#0 | NV | 0 | -0.005746 | ±2.5 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 25RB#0 | NV | 10 | -0.010644 | ±2.5 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 25RB#0 | NV | 20 | -0.005438 | ±2.5 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 25RB#0 | NV | 30 | -0.014076 | ±2.5 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 25RB#0 | NV | 40 | -0.003432 | ±2.5 | PASS |
| Band41 | 5MHz | QPSK | 40620 | 25RB#0 | NV | 50 | -0.008523 | ±2.5 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 25RB#0 | NV | -30 | -0.005129 | ±2.5 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 25RB#0 | NV | -20 | -0.000501 | ±2.5 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 25RB#0 | NV | -10 | -0.005091 | ±2.5 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 25RB#0 | NV | 0 | -0.004512 | ±2.5 | PASS |

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|---|---|---|---|---|---|---|---|---|---|
| Band41 | 5MHz | 16QAM | 40620 | 25RB#0 | NV | 10 | -0.004011 | ±2.5 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 25RB#0 | NV | 20 | -0.008831 | ±2.5 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 25RB#0 | NV | 30 | -0.001620 | ±2.5 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 25RB#0 | NV | 40 | -0.004551 | ±2.5 | PASS |
| Band41 | 5MHz | 16QAM | 40620 | 25RB#0 | NV | 50 | -0.007944 | ±2.5 | PASS |
| Band41 | 5MHz | 64QAM | 40620 | 25RB#0 | NV | -30 | -0.012187 | ±2.5 | PASS |
| Band41 | 5MHz | 64QAM | 40620 | 25RB#0 | NV | -20 | -0.012804 | ±2.5 | PASS |
| Band41 | 5MHz | 64QAM | 40620 | 25RB#0 | NV | -10 | -0.009603 | ±2.5 | PASS |
| Band41 | 5MHz | 64QAM | 40620 | 25RB#0 | NV | 0 | -0.010258 | ±2.5 | PASS |
| Band41 | 5MHz | 64QAM | 40620 | 25RB#0 | NV | 10 | -0.010451 | ±2.5 | PASS |
| Band41 | 5MHz | 64QAM | 40620 | 25RB#0 | NV | 20 | 0.004281 | ±2.5 | PASS |
| Band41 | 5MHz | 64QAM | 40620 | 25RB#0 | NV | 30 | -0.016197 | ±2.5 | PASS |
| Band41 | 5MHz | 64QAM | 40620 | 25RB#0 | NV | 40 | -0.001890 | ±2.5 | PASS |
| Band41 | 5MHz | 64QAM | 40620 | 25RB#0 | NV | 50 | -0.004782 | ±2.5 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 50RB#0 | NV | -30 | -0.016236 | ±2.5 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 50RB#0 | NV | -20 | -0.015040 | ±2.5 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 50RB#0 | NV | -10 | -0.003548 | ±2.5 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 50RB#0 | NV | 0 | -0.008600 | ±2.5 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 50RB#0 | NV | 10 | -0.010336 | ±2.5 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 50RB#0 | NV | 20 | 0.000347 | ±2.5 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 50RB#0 | NV | 30 | -0.002700 | ±2.5 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 50RB#0 | NV | 40 | -0.001465 | ±2.5 | PASS |
| Band41 | 10MHz | QPSK | 40620 | 50RB#0 | NV | 50 | -0.008754 | ±2.5 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 50RB#0 | NV | -30 | -0.003741 | ±2.5 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 50RB#0 | NV | -20 | -0.001813 | ±2.5 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 50RB#0 | NV | -10 | -0.007135 | ±2.5 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 50RB#0 | NV | 0 | -0.002198 | ±2.5 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 50RB#0 | NV | 10 | -0.009024 | ±2.5 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 50RB#0 | NV | 20 | -0.011107 | ±2.5 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 50RB#0 | NV | 30 | -0.010451 | ±2.5 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 50RB#0 | NV | 40 | -0.012611 | ±2.5 | PASS |
| Band41 | 10MHz | 16QAM | 40620 | 50RB#0 | NV | 50 | 0.000193 | ±2.5 | PASS |
| Band41 | 10MHz | 64QAM | 40620 | 50RB#0 | NV | -30 | -0.002738 | ±2.5 | PASS |
| Band41 | 10MHz | 64QAM | 40620 | 50RB#0 | NV | -20 | -0.012032 | ±2.5 | PASS |
| Band41 | 10MHz | 64QAM | 40620 | 50RB#0 | NV | -10 | -0.009603 | ±2.5 | PASS |
| Band41 | 10MHz | 64QAM | 40620 | 50RB#0 | NV | 0 | -0.006016 | ±2.5 | PASS |
| Band41 | 10MHz | 64QAM | 40620 | 50RB#0 | NV | 10 | 0.000964 | ±2.5 | PASS |
| Band41 | 10MHz | 64QAM | 40620 | 50RB#0 | NV | 20 | 0.005438 | ±2.5 | PASS |
| Band41 | 10MHz | 64QAM | 40620 | 50RB#0 | NV | 30 | -0.000193 | ±2.5 | PASS |
| Band41 | 10MHz | 64QAM | 40620 | 50RB#0 | NV | 40 | -0.000116 | ±2.5 | PASS |
| Band41 | 10MHz | 64QAM | 40620 | 50RB#0 | NV | 50 | 0.003587 | ±2.5 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 75RB#0 | NV | -30 | -0.012534 | ±2.5 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 75RB#0 | NV | -20 | -0.003201 | ±2.5 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 75RB#0 | NV | -10 | -0.014385 | ±2.5 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 75RB#0 | NV | 0 | -0.003355 | ±2.5 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 75RB#0 | NV | 10 | -0.010490 | ±2.5 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 75RB#0 | NV | 20 | -0.016429 | ±2.5 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 75RB#0 | NV | 30 | -0.004551 | ±2.5 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 75RB#0 | NV | 40 | -0.007597 | ±2.5 | PASS |
| Band41 | 15MHz | QPSK | 40620 | 75RB#0 | NV | 50 | 0.001851 | ±2.5 | PASS |

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|---|---|---|---|---|---|---|---|---|---|
| Band41 | 15MHz | 16QAM | 40620 | 75RB#0 | NV | -30 | -0.004628 | ±2.5 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 75RB#0 | NV | -20 | -0.003702 | ±2.5 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 75RB#0 | NV | -10 | -0.011994 | ±2.5 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 75RB#0 | NV | 0 | -0.006556 | ±2.5 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 75RB#0 | NV | 10 | 0.000193 | ±2.5 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 75RB#0 | NV | 20 | -0.011107 | ±2.5 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 75RB#0 | NV | 30 | -0.011801 | ±2.5 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 75RB#0 | NV | 40 | -0.006093 | ±2.5 | PASS |
| Band41 | 15MHz | 16QAM | 40620 | 75RB#0 | NV | 50 | -0.008484 | ±2.5 | PASS |
| Band41 | 15MHz | 64QAM | 40620 | 75RB#0 | NV | -30 | -0.003972 | ±2.5 | PASS |
| Band41 | 15MHz | 64QAM | 40620 | 75RB#0 | NV | -20 | 0.002661 | ±2.5 | PASS |
| Band41 | 15MHz | 64QAM | 40620 | 75RB#0 | NV | -10 | -0.002507 | ±2.5 | PASS |
| Band41 | 15MHz | 64QAM | 40620 | 75RB#0 | NV | 0 | -0.005091 | ±2.5 | PASS |
| Band41 | 15MHz | 64QAM | 40620 | 75RB#0 | NV | 10 | -0.001581 | ±2.5 | PASS |
| Band41 | 15MHz | 64QAM | 40620 | 75RB#0 | NV | 20 | -0.001273 | ±2.5 | PASS |
| Band41 | 15MHz | 64QAM | 40620 | 75RB#0 | NV | 30 | -0.002777 | ±2.5 | PASS |
| Band41 | 15MHz | 64QAM | 40620 | 75RB#0 | NV | 40 | -0.006865 | ±2.5 | PASS |
| Band41 | 15MHz | 64QAM | 40620 | 75RB#0 | NV | 50 | -0.006595 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK | 40620 | 100RB#0 | NV | -30 | -0.014655 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK | 40620 | 100RB#0 | NV | -20 | -0.012611 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK | 40620 | 100RB#0 | NV | -10 | -0.000656 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK | 40620 | 100RB#0 | NV | 0 | -0.013035 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK | 40620 | 100RB#0 | NV | 10 | -0.016429 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK | 40620 | 100RB#0 | NV | 20 | -0.005862 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK | 40620 | 100RB#0 | NV | 30 | -0.018049 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK | 40620 | 100RB#0 | NV | 40 | -0.013768 | ±2.5 | PASS |
| Band41 | 20MHz | QPSK | 40620 | 100RB#0 | NV | 50 | -0.014578 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | NV | -30 | -0.010760 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | NV | -20 | -0.003162 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | NV | -10 | -0.010953 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | NV | 0 | -0.017509 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | NV | 10 | -0.005515 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | NV | 20 | -0.015349 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | NV | 30 | 0.004666 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | NV | 40 | -0.008562 | ±2.5 | PASS |
| Band41 | 20MHz | 16QAM | 40620 | 100RB#0 | NV | 50 | -0.010143 | ±2.5 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 100RB#0 | NV | -30 | -0.006209 | ±2.5 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 100RB#0 | NV | -20 | -0.004628 | ±2.5 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 100RB#0 | NV | -10 | -0.004551 | ±2.5 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 100RB#0 | NV | 0 | -0.008639 | ±2.5 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 100RB#0 | NV | 10 | -0.014963 | ±2.5 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 100RB#0 | NV | 20 | -0.000887 | ±2.5 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 100RB#0 | NV | 30 | -0.001735 | ±2.5 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 100RB#0 | NV | 40 | -0.001581 | ±2.5 | PASS |
| Band41 | 20MHz | 64QAM | 40620 | 100RB#0 | NV | 50 | 0.007327 | ±2.5 | PASS |

**END OF REPORT**