# TEST REPORT

Dt&C Co., Ltd.
42, Yurim-ro, 154Beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea, 17042
Tel : 031-321-2664, Fax : 031-321-1664

1. Report No : DRTFCC2412-0137

2. Customer

- Name (FCC) : DASAN Networks, Inc.
- Address (FCC) : DASAN Tower, 49, Daewangpangyo-ro644Beon-gil, Bundang-gu, Seongnam-si, South Korea 13493

3. Use of Report : Verification

4. Product Name / Model Name : RC-TGU / RC-TGU (300611-02665)
FCC ID : 2AXDMTGU5GWIFI6

5. FCC Regulation(s): Part 27, 96
Test Method Used : KDB971168 D01v03r01, ANSI/TIA-603-E-2016, ANSI C63.26-2015

6. Date of Test : 2024.10.10 ~ 2024.11.26

7. Location of Test : ☒ Permanent Testing Lab ☐ On Site Testing

8. Testing Environment : See appended test report.

9. Test Result : Refer to the attached test result.

The results shown in this test report refer only to the sample(s) tested unless otherwise stated.
This test report is not related to KOLAS accreditation.

| | | |
|---|---|---|
| Affirmation | Tested by<br>Name : SeungMin Gil (signature) | Technical Manager<br>Name : JaeJin Lee (signature) |

**2024 . 12 . 11 .**

**Dt&C Co., Ltd.**

**If this report is required to confirmation of authenticity, please contact to report@dtnc.net**

# Test Report Version

| Test Report No. | Date | Description | Revised by | Reviewed by |
|---|---|---|---|---|
| DRTFCC2412-0137 | Dec. 11, 2024 | Initial issue | SeungMin Gil | JaeJin Lee |
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# 1. GENERAL INFORMATION

| | |
|---|---|
| **Product Name** | RC-TGU |
| **Model Name** | RC-TGU (300611-02665) |
| **FVIN(Firmware Version Identification Number)** | V0.10 |
| **EUT Serial Number** | No specified |
| **Power Supply** | DC 12, 24V |
| **Modulation type (4G LTE)** | QPSK, 16QAM, 64QAM, 256QAM |
| **Modulation type (5G NR)** | π/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM |

# 2. INTRODUCTION

## 2.1. EUT DESCRIPTION

This device supports the following capabilities:
Bluetooth LE, 2.4/5GHz WLAN, WCDMA, LTE/LTE up-link carrier aggregation, 5G NR(FR1)/5G NR up-link carrier aggregation and ENDC
5G NR supports SCS 15 kHz for FDD Band and SCS 30 kHz for TDD Band.

## 2.2. TESTING ENVIRONMENT

| Ambient Condition | |
|---|---|
| ▪ Temperature | +22 ℃ ~ +24 ℃ |
| ▪ Relative Humidity | 44 % ~ 50 % |

## 2.3. MEASURING INSTRUMENT CALIBRATION

The measuring equipment, which was utilized in performing the tests documented herein, has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipment, which is traceable to recognized national standards.

## 2.4. MEASUREMENT UNCERTAINTY

The measurement uncertainties shown below were calculated in accordance with requirements of ANSI C 63.4-2014. All measurement uncertainty values are shown with a coverage factor of $k$ = 2 to indicate a 95 % level of confidence.

| Parameter | Measurement uncertainty |
|---|---|
| Antenna-port conducted emission | 1.0 dB (The confidence level is about 95 %, k = 2) |
| Radiated Disturbance (Below 1 GHz) | 5.0 dB (The confidence level is about 95 %, k = 2) |
| Radiated Disturbance (1 GHz ~ 18 GHz) | 4.8 dB (The confidence level is about 95 %, k = 2) |
| Radiated Disturbance (Above 18 GHz) | 5.0 dB (The confidence level is about 95 %, k = 2) |

## 2.5. TEST FACILITY

**Dt&C Co., Ltd.**

The 3 m test site and conducted measurement facility used to collect the radiated data are located at the 42, Yurim-ro, 154beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea 17042.
The test site complies with the requirements of Part 2.948 according to ANSI C63.4-2014.

**- FCC & IC MRA Designation No. : KR0034**

**- ISED#: 5740A**

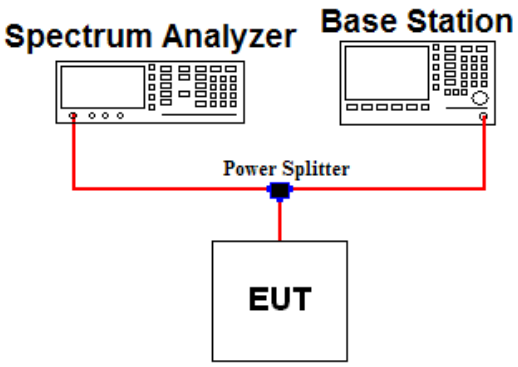
www.dtnc.net

| | | |
|---|---|---|
| Telephone | : | + 82-31-321-2664 |
| FAX | : | + 82-31-321-1664 |

# 3. DESCRIPTION OF TESTS

## 3.1. OCCUPIED BANDWIDTH

### Test set-up




### Test Procedure

- **KDB971168 D01v03r01 - Section 4.3**
- **ANSI C63.26-2015 – Section 5.4.4**

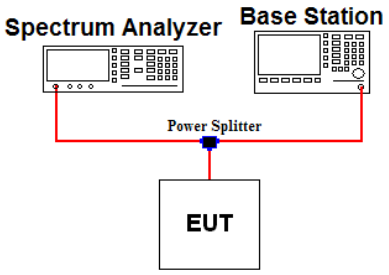
The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power of a given emission.

Test setting

1. The signal analyzer`s automatic bandwidth measurement capability was used to perform the 99 % occupied bandwidth and the 26 dB bandwidth. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. RBW = 1 % ~ 5 % of the expected OBW & VBW ≥ 3 X RBW
3. Detector = Peak
4. Trance mode = Max hold
5. Sweep = Auto couple
6. The trace was allowed to stabilize
7. If necessary, step 2 ~ 6 were repeated after changing the RBW such that it would be within 1 % ~ 5 % of the 99 % occupied bandwidth observed in step 6.

## 3.2. BAND EDGE EMISSIONS AT ANTENNA TERMINAL

### Test set-up




### Test Procedure

- **KDB971168 D01v03r01 - Section 6**
- **ANSI C63.26-2015 – Section 5.7**

All out of band emissions are measured by means of a calibrated spectrum analyzer. The EUT was setup to maximum output power at its lowest and highest channel with all bandwidths, modulations and RB configurations.

The power of any spurious emission shall be attenuated below the transmitter power (P) by at least 43 + 10 log(P) dB.

Test setting

1. Start and stop frequency were set such that the band edge would be placed in the center of the plot
2. Span was set large enough so as to capture all out of band emissions near the band edge
3. RBW ≥ 1 % of the emission bandwidth
4. VBW ≥ 3 X RBW
5. Detector = RMS & Trace mode = Average
6. Sweep time = Auto couple or 1 s for band edge
7. Number of sweep point ≥ 2 X span / RBW
8. The trace was allowed to stabilize

### Requirement

**Part 27.53(a)(4)**

For mobile and portable stations operating in the 2305–2315 MHz and 2350–2360 MHz bands:
(i) By a factor of not less than: 43 + 10 log (P) dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than 55 + 10 log (P) dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than 61 + 10 log (P) dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than 67 + 10 log (P) dB on all frequencies between 2328 and 2337 MHz;
(ii) By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2300 and 2305 MHz, 55 + 10 log (P) dB on all frequencies between 2296 and 2300 MHz, 61 + 10 log (P) dB on all frequencies between 2292 and 2296 MHz, 67 + 10 log (P) dB on all frequencies between 2288 and 2292 MHz, and 70 + 10 log (P) dB below 2288 MHz;
(iii) By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2360 and 2365 MHz, and not less than 70 + 10 log (P) dB above 2365 MHz.

**Part 96.41(e)**

(1)3.5 GHz Emissions and Interference Limits

(i) Except as otherwise specified in paragraph (e)(2) of this section, for channel and frequency assignments made by the SAS to CBSDs, the conducted power of any CBSD emission outside the fundamental emission bandwidth as specified in paragraph (e)(3) of this section (whether the emission is inside or outside of the authorized band) shall not exceed −13 dBm/MHz within 0–10 megahertz above the upper SAS-assigned channel edge and within 0–10 megahertz below the lower SAS-assigned channel edge. At all frequencies greater than 10 megahertz above the upper SAS assigned channel edge and less than 10 MHz below the lower SAS assigned channel edge, the conducted power of any CBSD emission shall not exceed −25 dBm/MHz. The upper and lower SAS assigned channel edges are the upper and lower limits of any channel assigned to a CBSD by an SAS, or in the case of multiple contiguous channels, the upper and lower limits of the combined contiguous channels.

(ii) Except as otherwise specified in paragraph (e)(2) of this section, for channel and frequency assignments made by a CBSD to End User Devices, the conducted power of any End User Device emission outside the fundamental emission (whether in or outside of the authorized band) shall not exceed −13 dBm/MHz within 0 to B megahertz (where B is the bandwidth in megahertz of the assigned channel or multiple contiguous channels of the End User Device) above the upper CBSD-assigned channel edge and within 0 to B megahertz below the lower CBSD-assigned channel edge. At all frequencies greater than B megahertz above the upper CBSD assigned channel edge and less than B megahertz below the lower CBSD-assigned channel edge, the conducted power of any End User Device emission shall not exceed −25 dBm/MHz. Notwithstanding the emission limits in this paragraph, the Adjacent Channel Leakage Ratio for End User Devices shall be at least 30 dB.

(2) *Additional protection levels.* Notwithstanding paragraph (e)(1) of this section, for CBSDs and End User Devices, the conducted power of emissions below 3540 MHz or above 3710 MHz shall not exceed −25 dBm/MHz, and the conducted power of emissions below 3530 MHz or above 3720 MHz shall not exceed −40dBm/MHz.

**Part 27.53(n)**

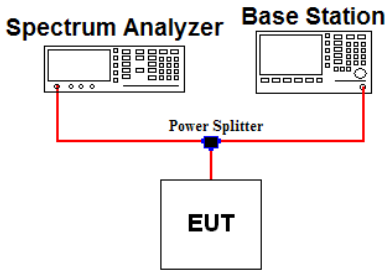
(2)For mobile operations in the 3450–3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz. Compliance with this paragraph (n)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or 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.

**Part 27.53(l)**

(2) For mobile operations in the 3700–3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz. Compliance with this paragraph (l)(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, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 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.

## 3.3. SPURIOUS AND HARMONIC EMISSIONS AT ANTENNA TERMINAL

### Test set-up




### Test Procedure

- **KDB971168 D01v03r01 - Section 6**
- **ANSI C63.26-2015 – Section 5.7**

The level of the carrier and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer. The EUT was setup to maximum output power at its low, middle, high channel with all bandwidths, modulations and RB configurations. The spectrum is scanned from 9 kHz up to a frequency including its $10^{th}$ harmonic.

The power of any spurious emission shall be attenuated below the transmitter power (P) by at least 43 + 10 log(P) dB.

Test setting

1. RBW = 100 kHz(Below 1 GHz) or 1 MHz(Above 1 GHz) & VBW ≥ 3 X RBW ( Refer to Note 1)
2. Detector = RMS & Trace mode = Max hold
3. Sweep time = Auto couple
4. Number of sweep point ≥ 2 X span / RBW
5. The trace was allowed to stabilize

Note 1: Compliance with these provisions is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater for frequencies less than 1 GHz and 1 MHz or greater for frequencies greater than 1GHz.

# 4. LIST OF TEST EQUIPMENT

| Type | Manufacturer | Model | Cal.Date (yy/mm/dd) | Next.Cal. Date (yy/mm/dd) | S/N |
|---|---|---|---|---|---|
| Spectrum Analyzer | KEYSIGHT | N9020A | 23/12/15 | 24/12/15 | MY50410272 |
| Spectrum Analyzer | KEYSIGHT | N9030B | 23/12/15 | 24/12/15 | MY55480168 |
| DC power supply | Agilent Technologies | 66332A | 23/12/15 | 24/12/15 | US37470950 |
| Multimeter | FLUKE | 17B+ | 23/12/15 | 24/12/15 | 36390701WS |
| Radio Communication Analyzer | KEYSIGHT | E7515B | 23/12/15 | 24/12/15 | MY58300723 |
| Thermohygrometer | BODYCOM | BJ5478 | 23/12/15 | 24/12/15 | 120612-1 |
| Resistive Divider | Clear Microwave | D240 | 24/06/10 | 25/06/10 | 2 |
| Signal Generator | Rohde Schwarz | SMBV100A | 23/12/15 | 24/12/15 | 255571 |
| Signal Generator | ANRITSU | MG3695C | 23/12/15 | 24/12/15 | 173501 |

Note 1: The cable is not a regular calibration item, so it has been calibrated by Dt&C itself.

# 5. SUMMARY OF TEST RESULTS

| FCC Part Section(s) | Test Description | Test Limit | Test Condition | Status Note 1 |
|---|---|---|---|---|
| 2.1049 | Occupied Bandwidth | N/A | Conducted | C |
| 2.1051<br>27.53(a)<br>96.41(e)<br>27.53(n)<br>27.53(l) | Band Edge /<br>Conducted Spurious Emissions | Refer to the Section 3.2 and 3.3 | | C Note2 |

Note 1: **C**=Comply **NC**=Not Comply **NT**=Not Tested **NA**=Not Applicable
Note 2: Verification tests were performed on bands with reduced power configuration and the tests results do not exceed the module results.

# 6. TEST DATA

## 6.1. OCCUPIED BANDWIDTH

- Plots of the EUT's Occupied Bandwidth are shown in Clause 7.1

## 6.2. BAND EDEG EMISSIONS (Conducted)

- Plots of the EUT's Band Edge Emissions are shown in Clause 7.2

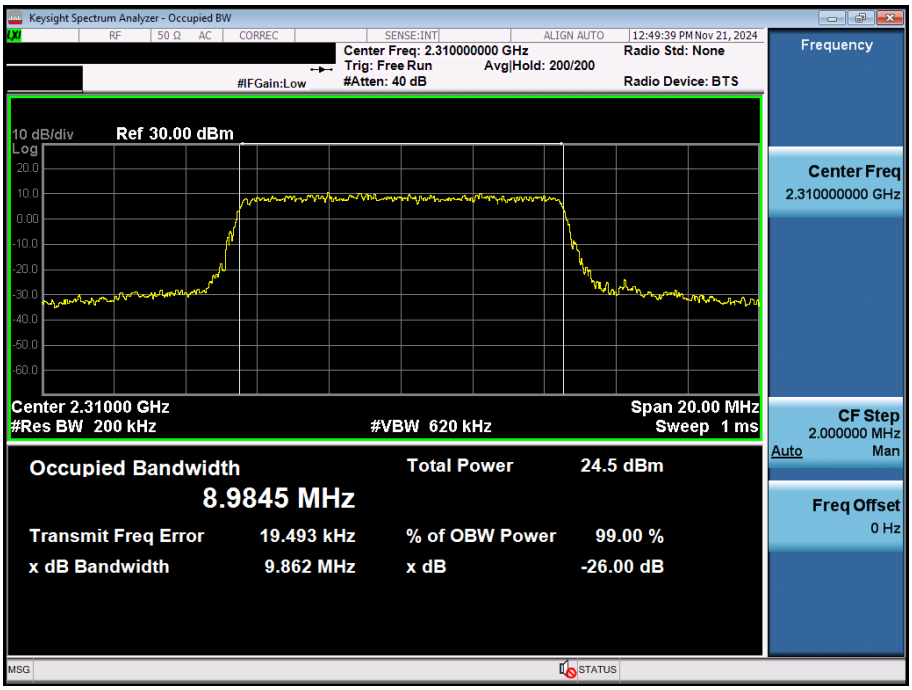
## 6.3. SPURIOUS AND HARMONICS EMISSIONS (Conducted)

- Plots of the EUT's Spurious Emissions are shown in Clause 7.3

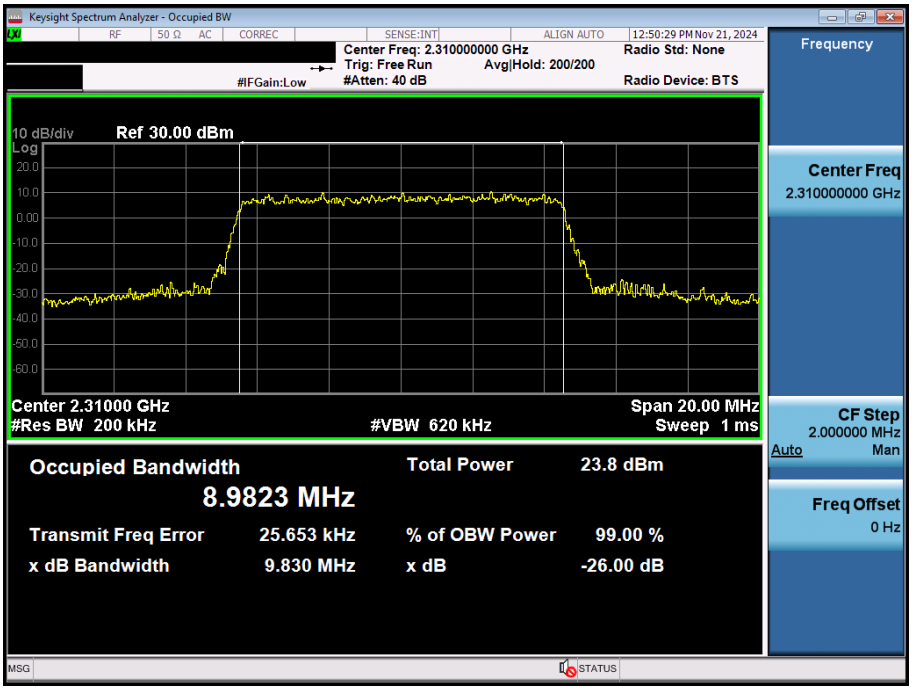
# 7. TEST PLOTS

## 7.1. OCCUPIED BANDWIDTH

### 7.1.1. LTE Band 30

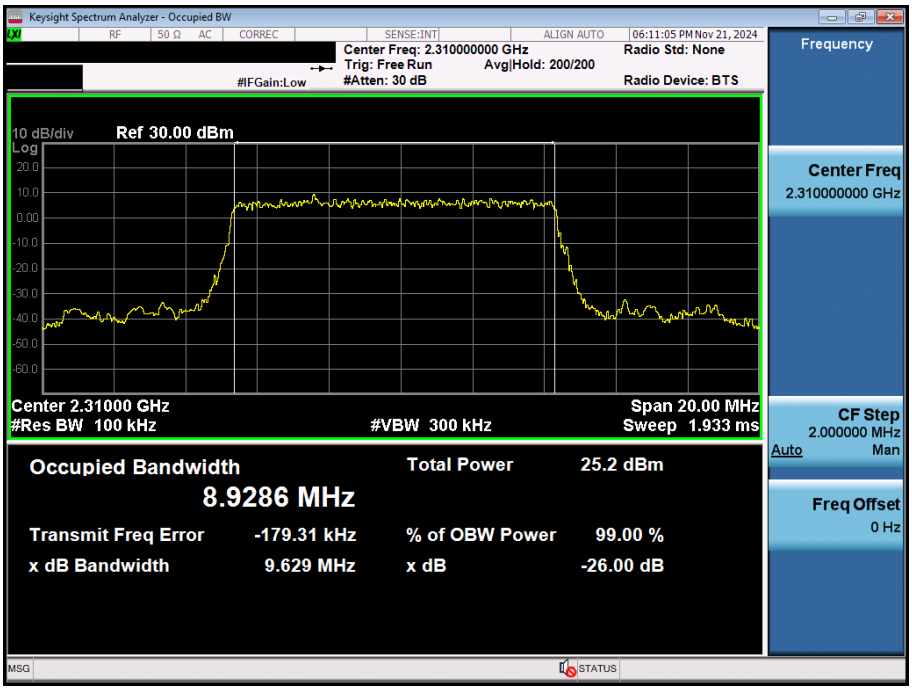



LTE Band 30 / 10 MHz / QPSK - RB Size Full



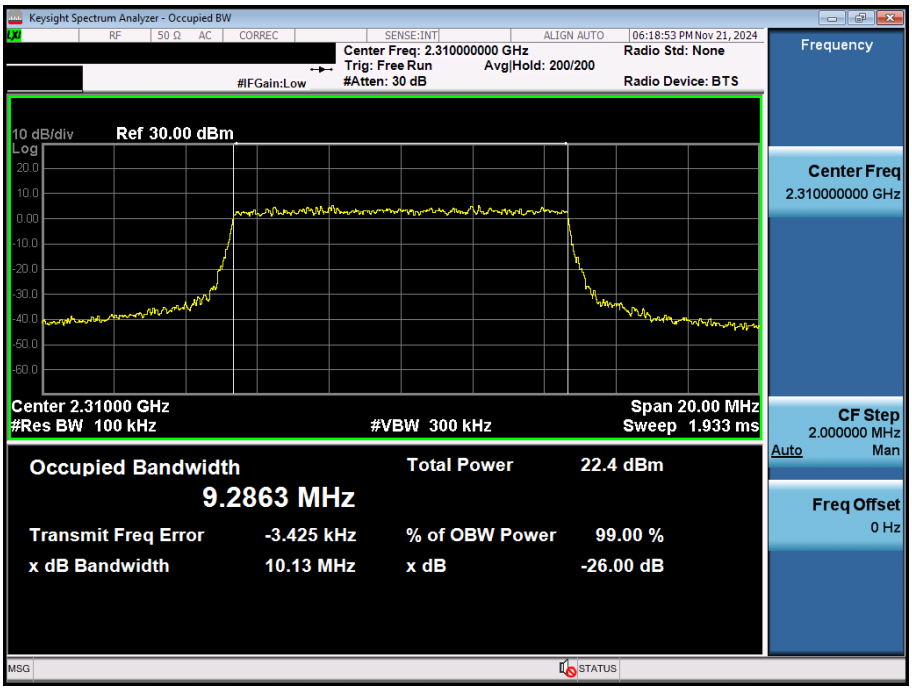

LTE Band 30 / 10 MHz / 16QAM - RB Size Full

### 7.1.2. NR Band n30

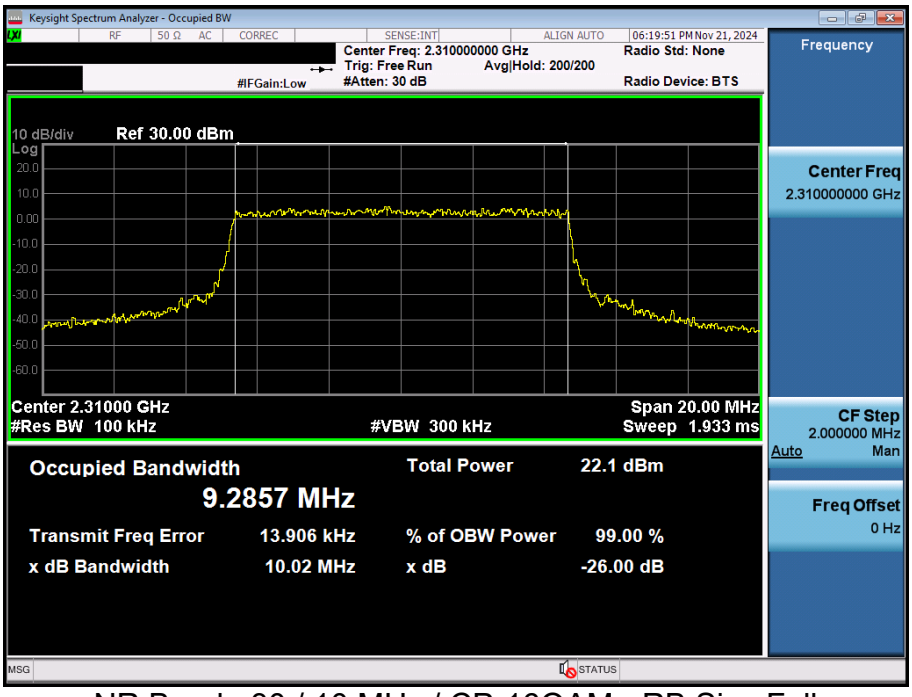



NR Band n30 / 10 MHz / DFT-s-π/2 BPSK - RB Size Full


NR Band n30 / 10 MHz / DFT-s-16QAM - RB Size Full

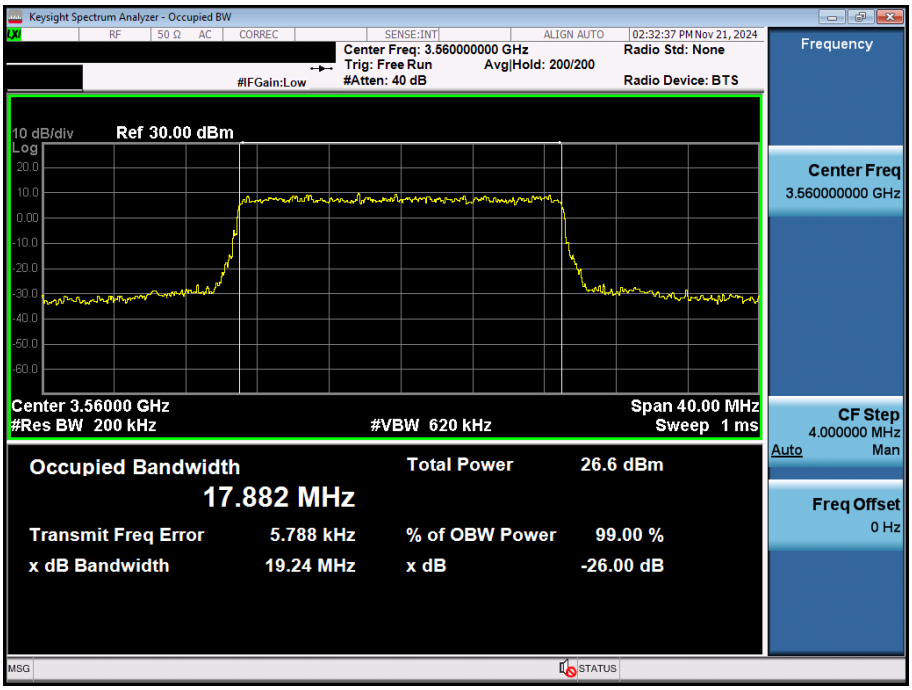



NR Band n30 / 10 MHz / CP-QPSK - RB Size Full

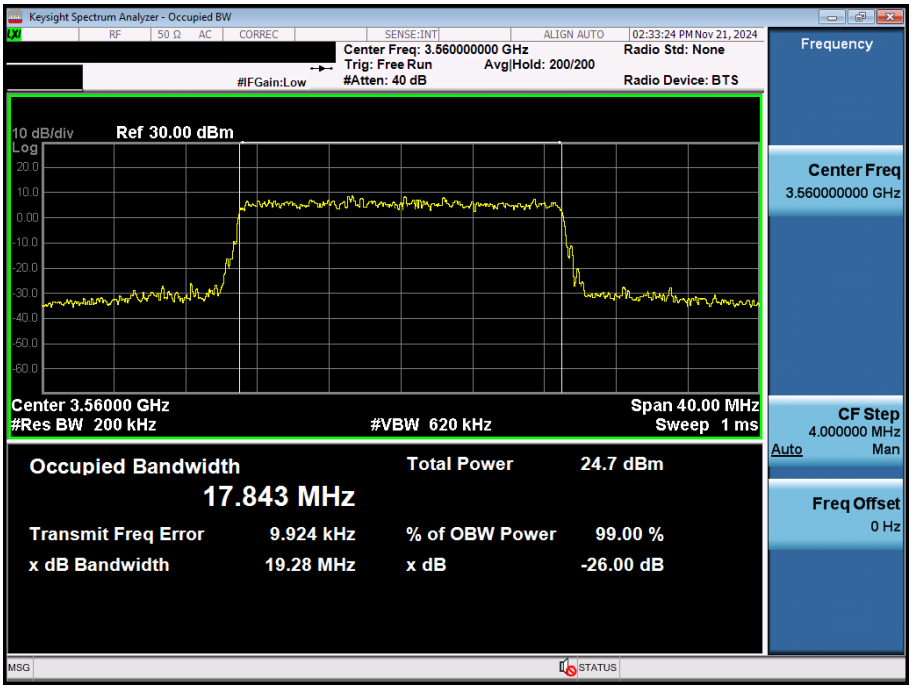



NR Band n30 / 10 MHz / CP-16QAM - RB Size Full

### 7.1.3. LTE Band 48

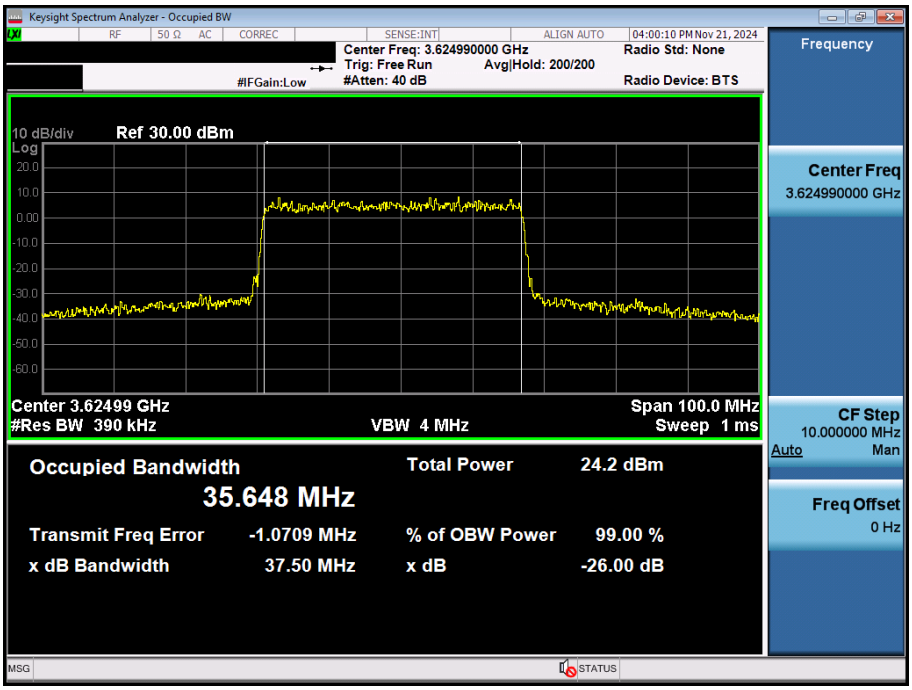



LTE Band 48 / 20 MHz / QPSK - RB Size Full

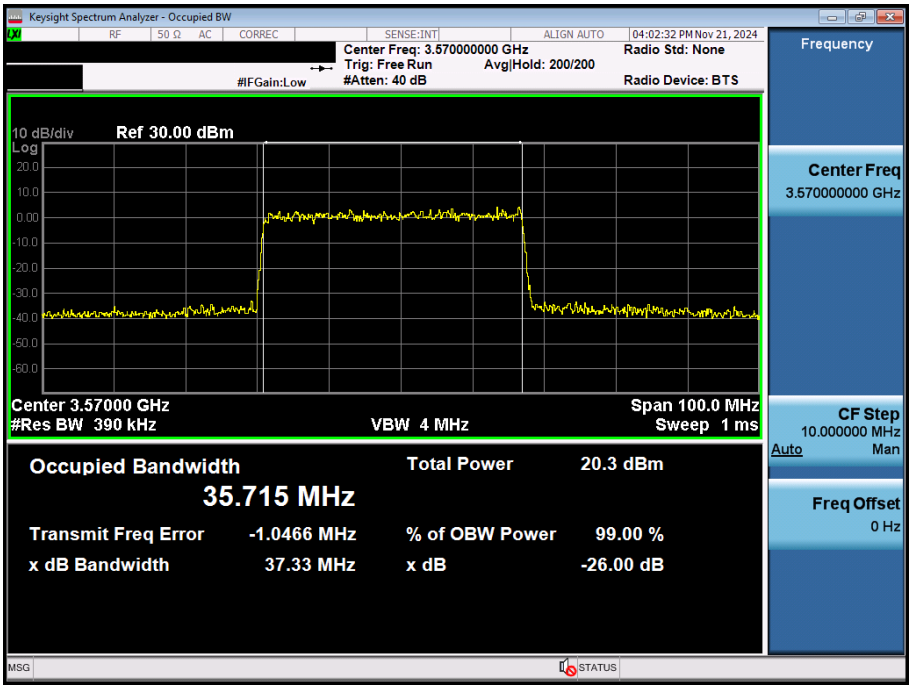



LTE Band 48 / 20 MHz / 16QAM - RB Size Full

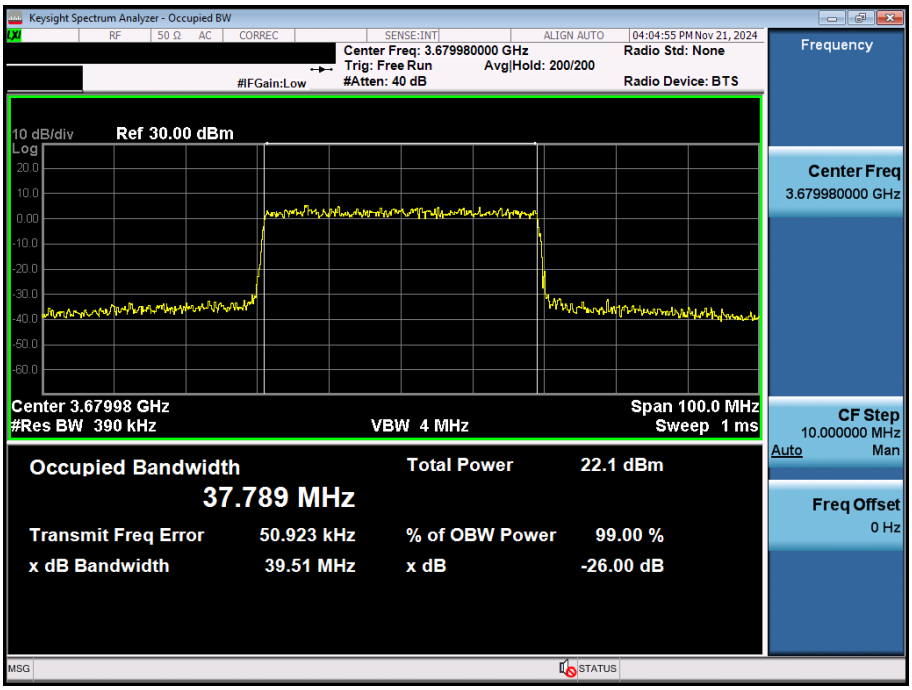
### 7.1.4. NR Band n48



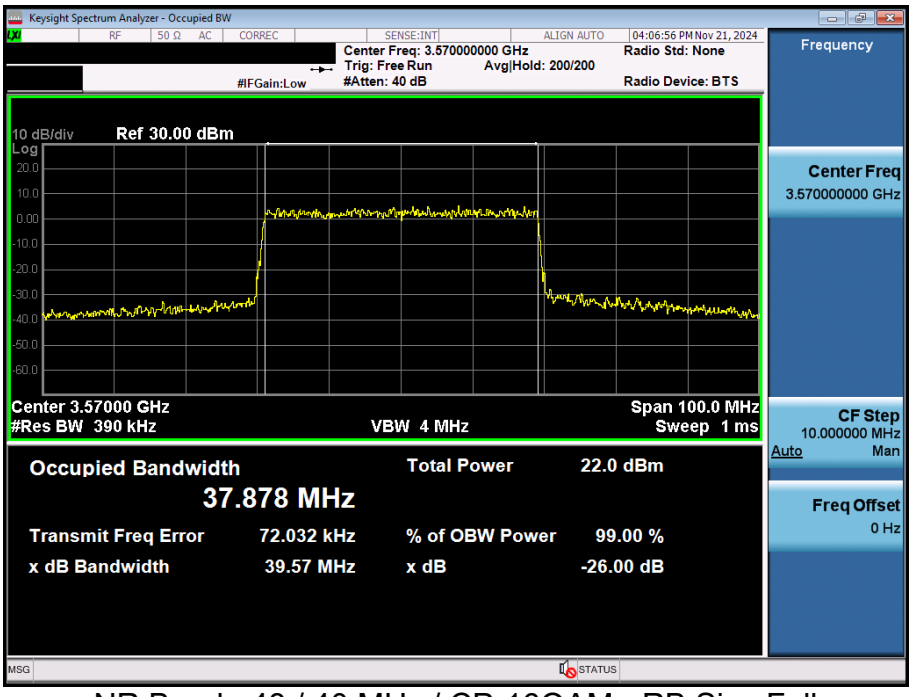

NR Band n48 / 40 MHz / DFT-s-QPSK - RB Size Full




NR Band n48 / 40 MHz / DFT-s-256QAM - RB Size Full



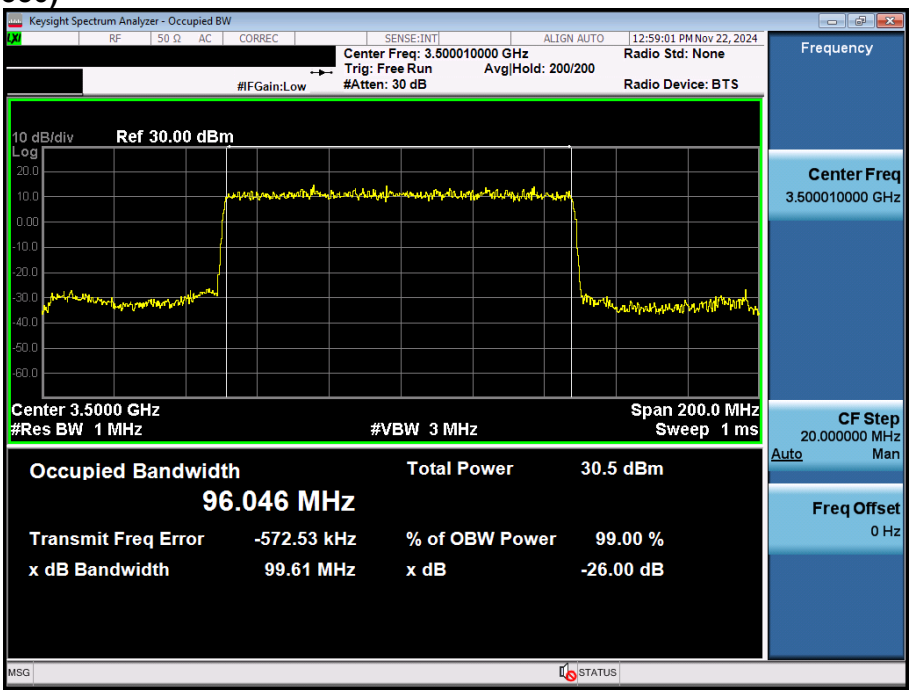

NR Band n48 / 40 MHz / CP-QPSK - RB Size Full




NR Band n48 / 40 MHz / CP-16QAM - RB Size Full

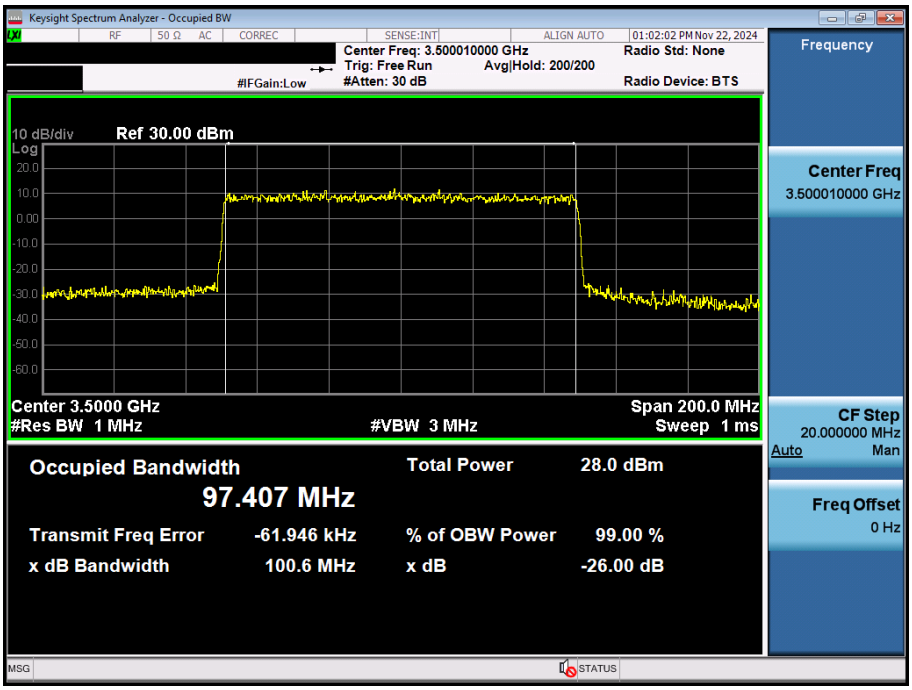
### 7.1.5. NR Band n78

- **FCC(3 450~3 550)**

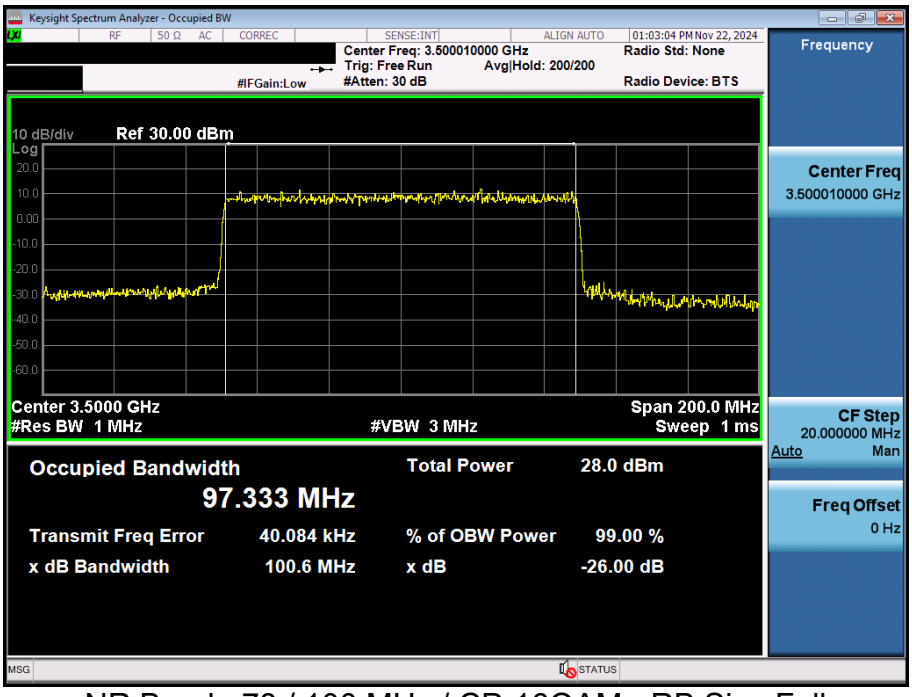



NR Band n78 / 100 MHz / DFT-s-BPSK - RB Size Full


NR Band n78 / 100 MHz / DFT-s-256QAM - RB Size Full

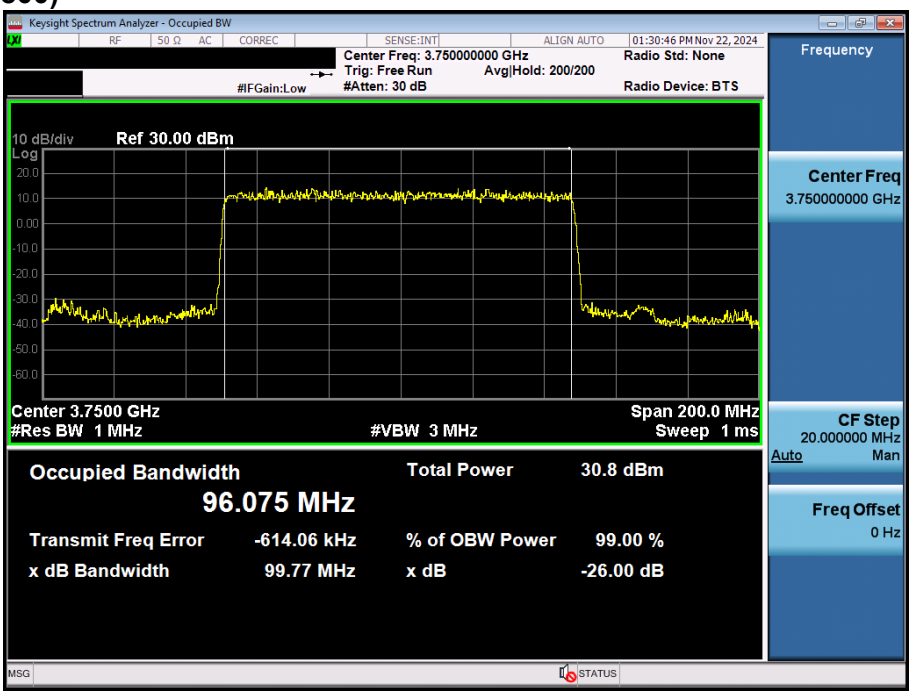



NR Band n78 / 100 MHz / CP-QPSK - RB Size Full

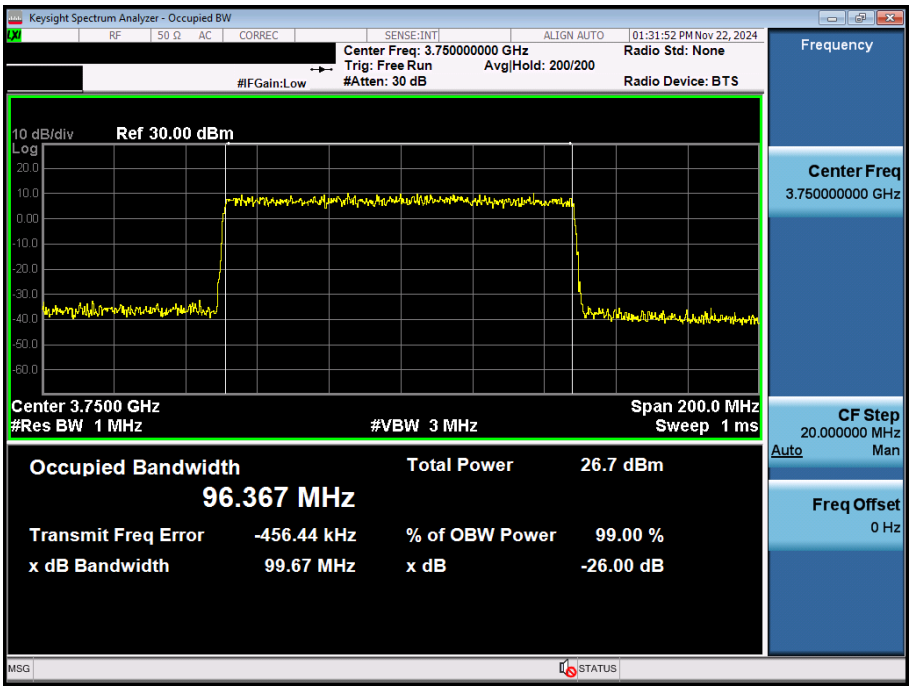



NR Band n78 / 100 MHz / CP-16QAM - RB Size Full

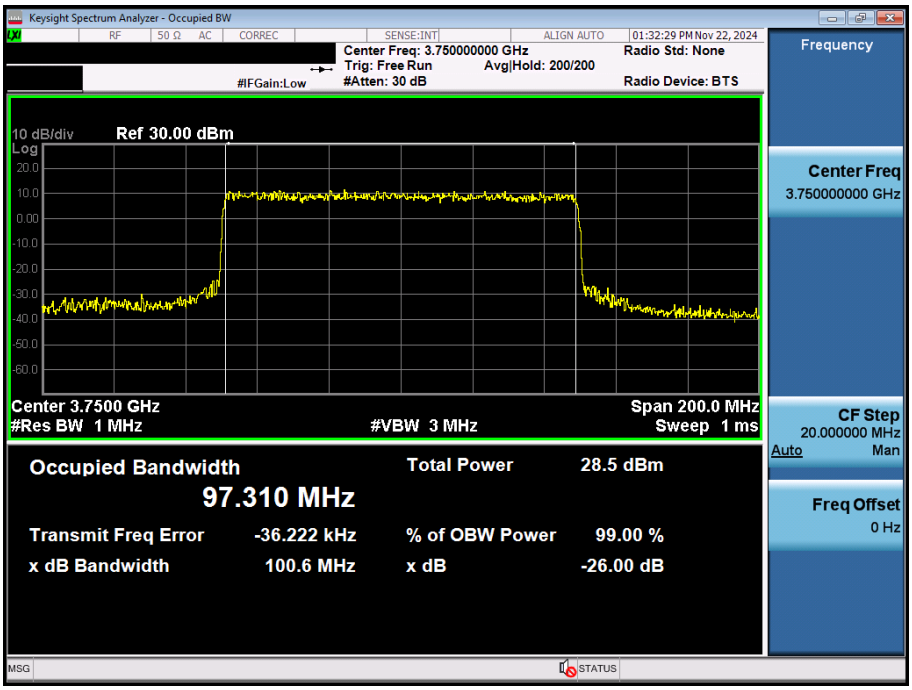
- **FCC(3 700~3 800)**



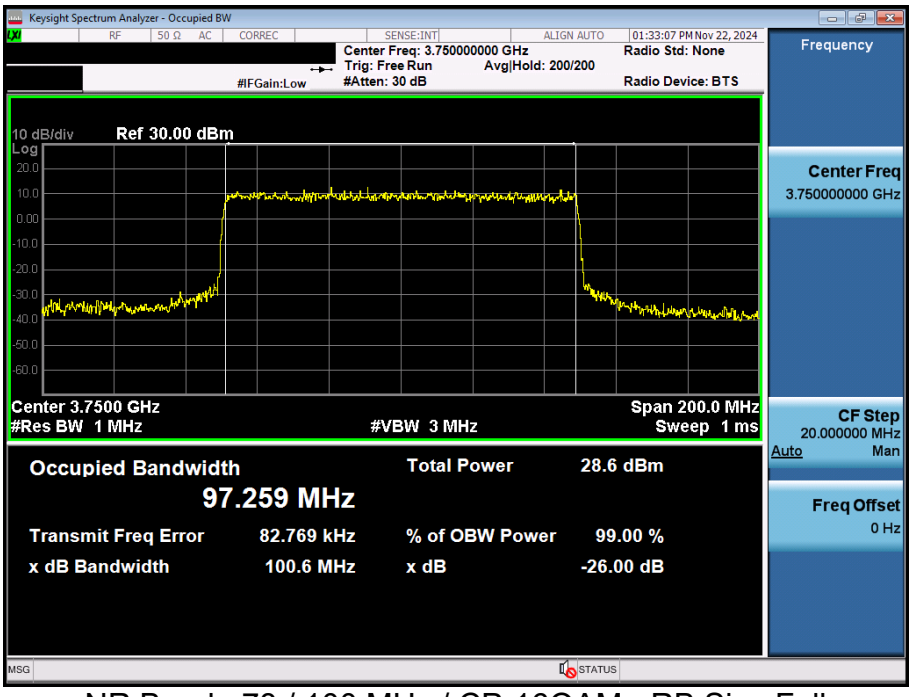

NR Band n78 / 100 MHz / DFT-s-QPSK - RB Size Full




NR Band n78 / 100 MHz / DFT-s-256QAM - RB Size Full



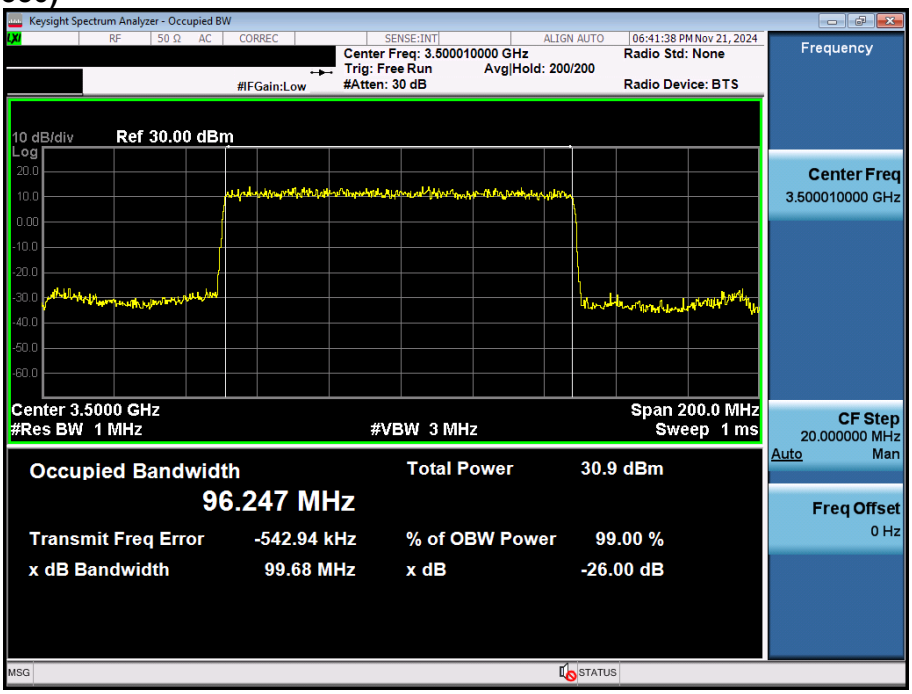

NR Band n78 / 100 MHz / CP-QPSK - RB Size Full



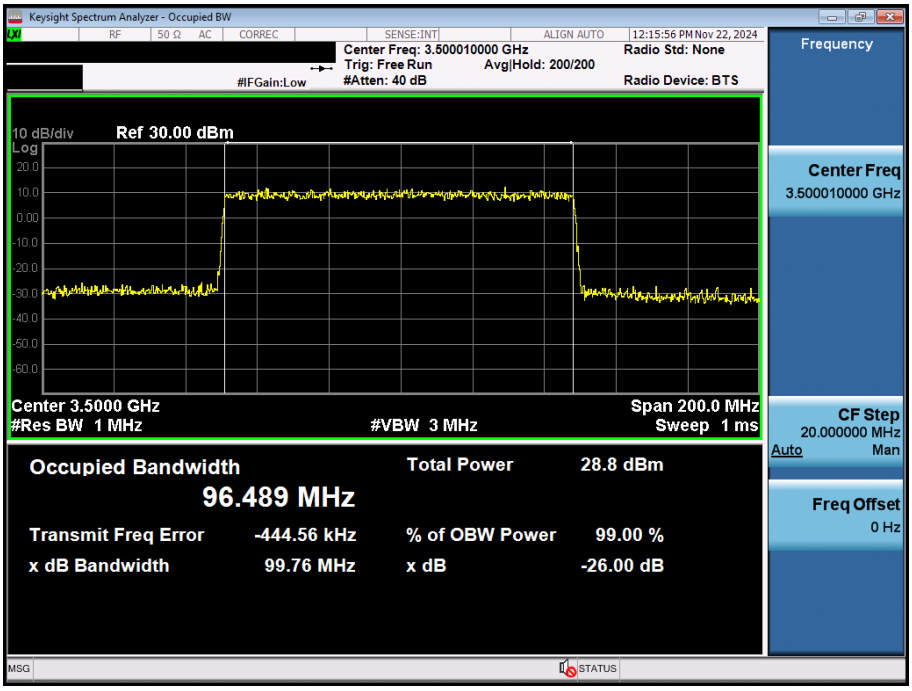

NR Band n78 / 100 MHz / CP-16QAM - RB Size Full

### 7.1.6. NR Band n77

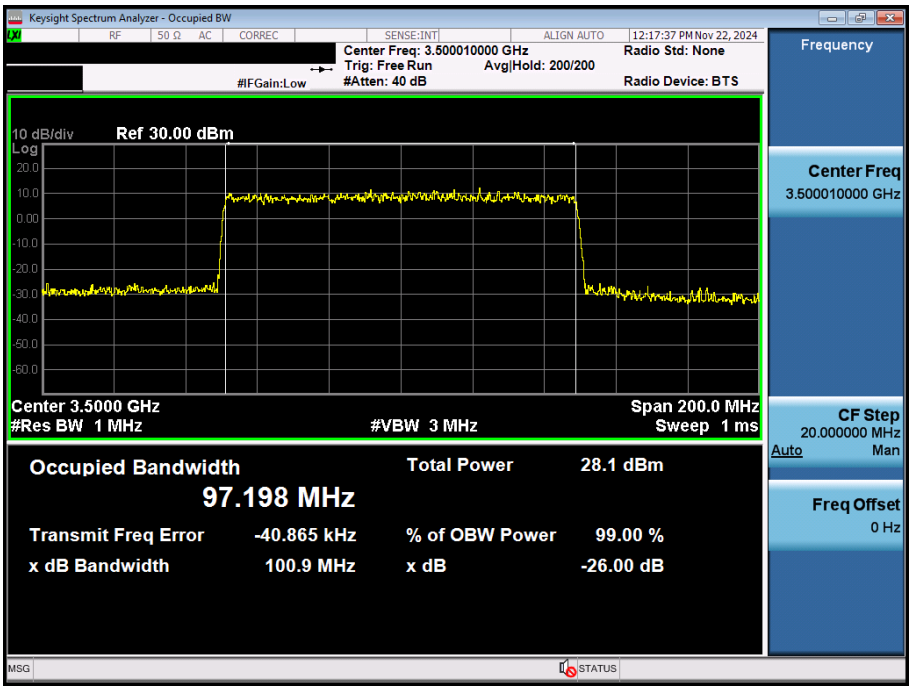
- **FCC(3 450~3 550)**



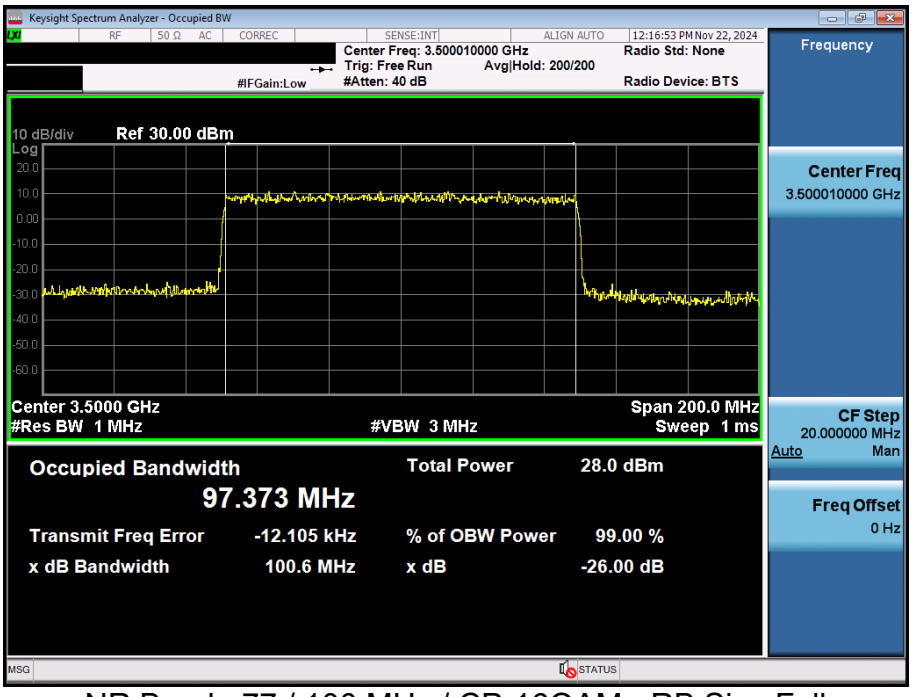

NR Band n77 / 100 MHz / DFT-s-BPSK - RB Size Full




NR Band n77 / 100 MHz / DFT-s-16QAM - RB Size Full

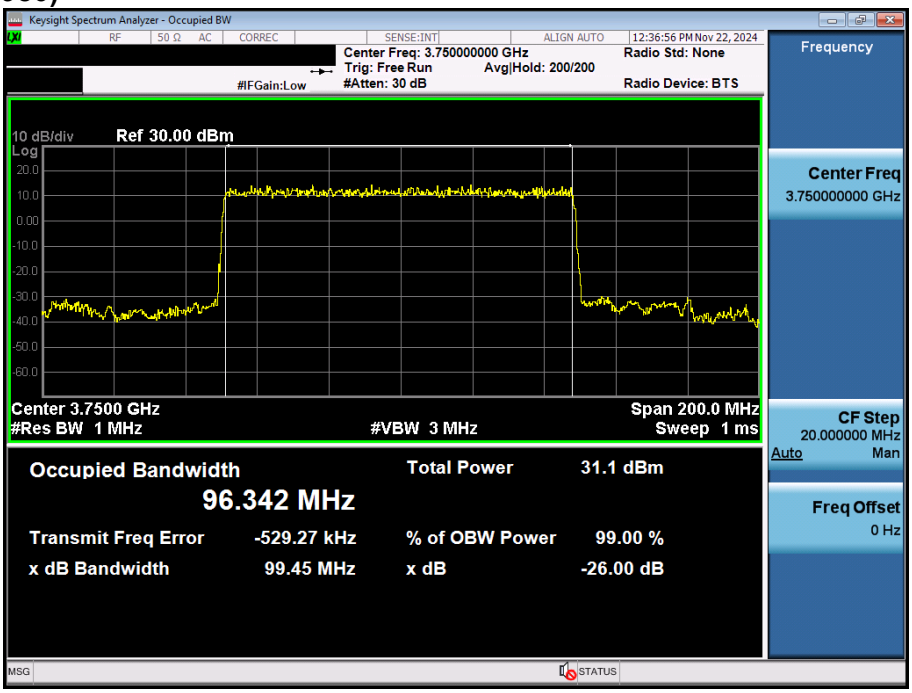



NR Band n77 / 100 MHz / CP-QPSK - RB Size Full

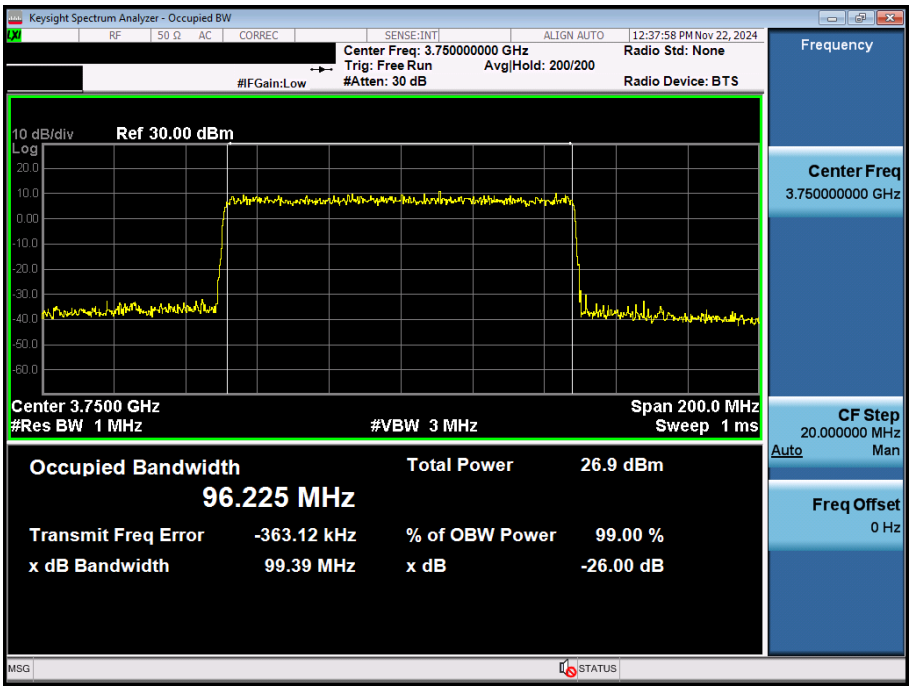



NR Band n77 / 100 MHz / CP-16QAM - RB Size Full

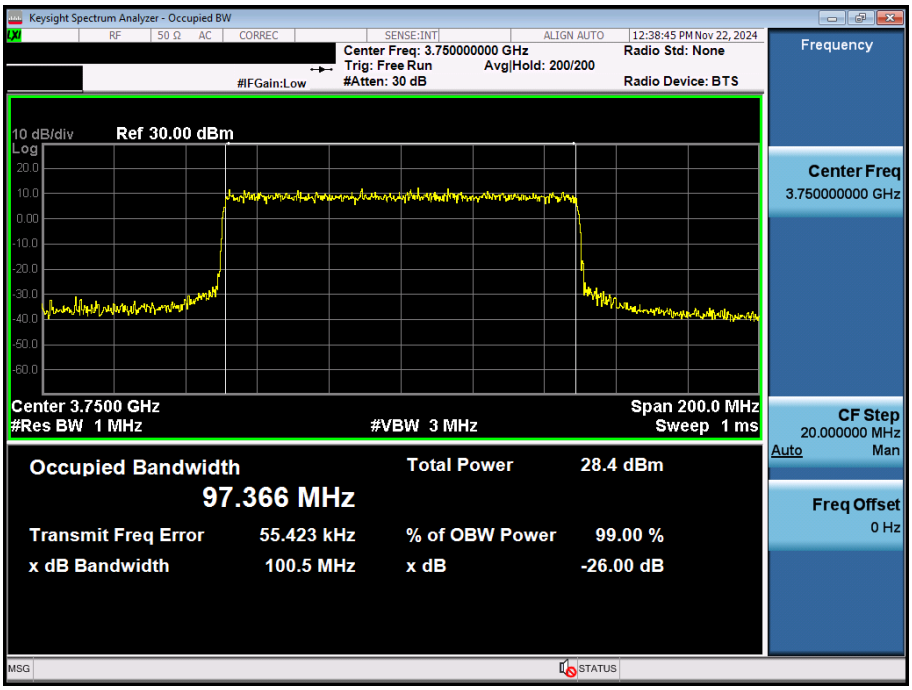
- **FCC(3 700~3 980)**



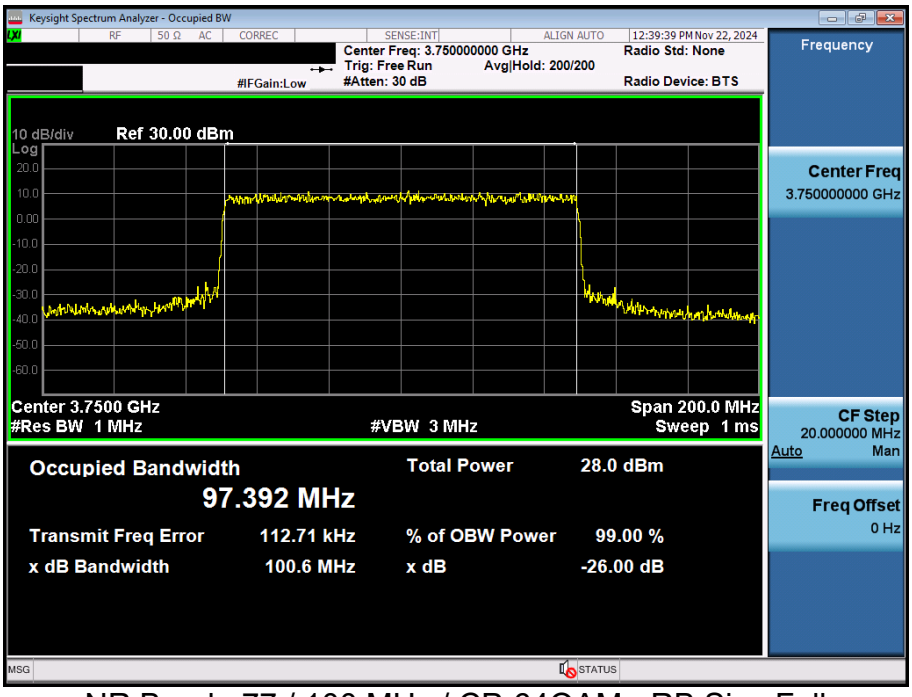

NR Band n77 / 100 MHz / DFT-s-BPSK - RB Size Full




NR Band n77 / 100 MHz / DFT-s-256QAM - RB Size Full



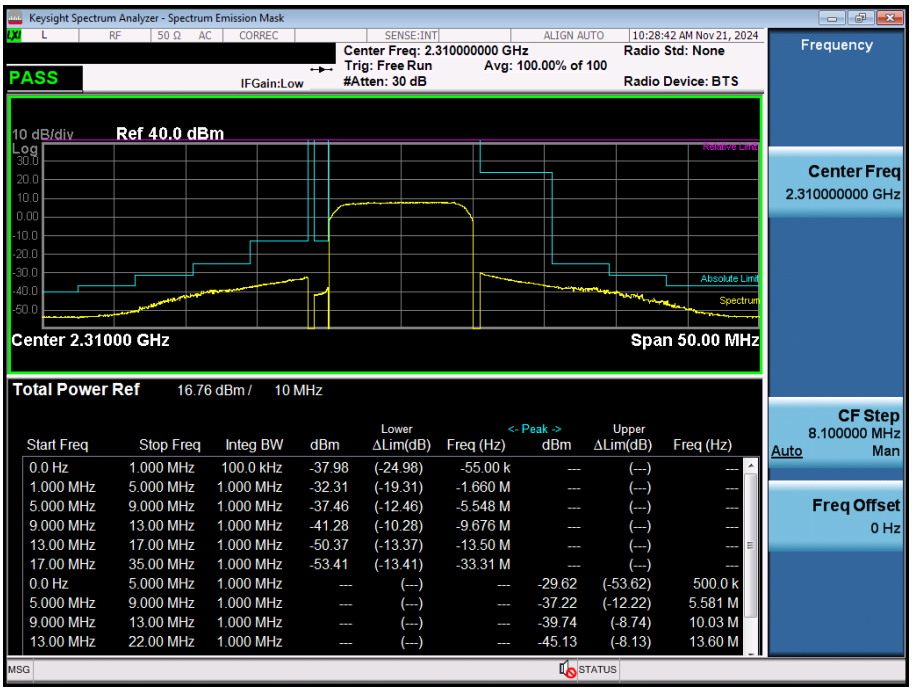

NR Band n77 / 100 MHz / CP-QPSK - RB Size Full




NR Band n77 / 100 MHz / CP-64QAM - RB Size Full

## 7.2. BAND EDGE EMISSIONS(Conducted)

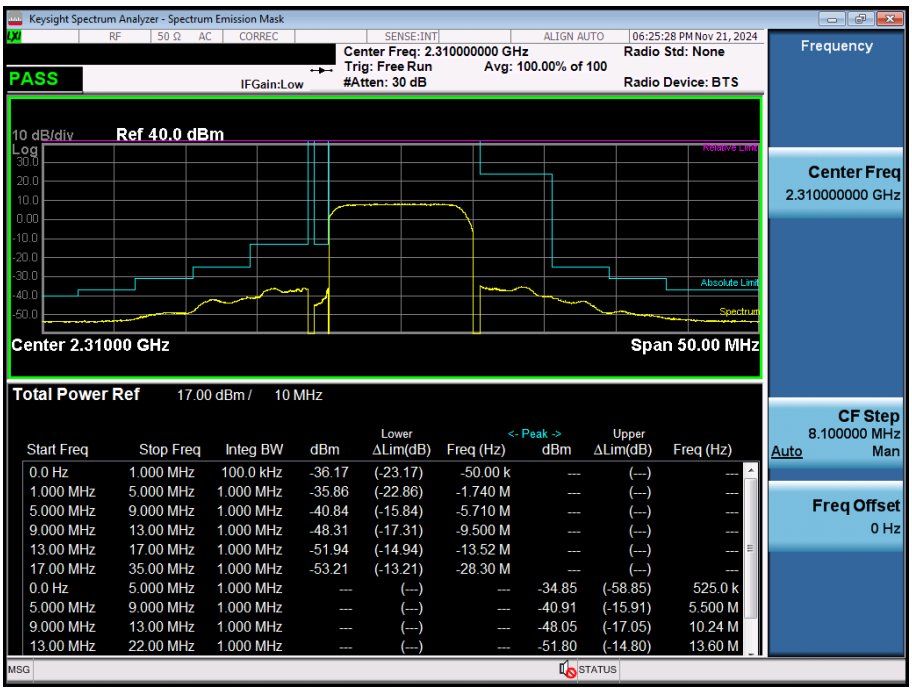
### 7.2.1. LTE Band 30




| Start Freq | Stop Freq | Integ BW | dBm | Lower ΔLim(dB) | Lower Freq (Hz) | <- Peak -> dBm | Upper ΔLim(dB) | Upper Freq (Hz) |
|---|---|---|---|---|---|---|---|---|
| 0.0 Hz | 1.000 MHz | 100.0 kHz | -37.98 | (-24.98) | -55.00 k | --- | (---) | --- |
| 1.000 MHz | 5.000 MHz | 1.000 MHz | -32.31 | (-19.31) | -1.660 M | --- | (---) | --- |
| 5.000 MHz | 9.000 MHz | 1.000 MHz | -37.46 | (-12.46) | -5.548 M | --- | (---) | --- |
| 9.000 MHz | 13.00 MHz | 1.000 MHz | -41.28 | (-10.28) | -9.676 M | --- | (---) | --- |
| 13.00 MHz | 17.00 MHz | 1.000 MHz | -50.37 | (-13.37) | -13.50 M | --- | (---) | --- |
| 17.00 MHz | 35.00 MHz | 1.000 MHz | -53.41 | (-13.41) | -33.31 M | --- | (---) | --- |
| 0.0 Hz | 5.000 MHz | 1.000 MHz | --- | (---) | --- | -29.62 | (-53.62) | 500.0 k |
| 5.000 MHz | 9.000 MHz | 1.000 MHz | --- | (---) | --- | -37.22 | (-12.22) | 5.581 M |
| 9.000 MHz | 13.00 MHz | 1.000 MHz | --- | (---) | --- | -39.74 | (-8.74) | 10.03 M |
| 13.00 MHz | 22.00 MHz | 1.000 MHz | --- | (---) | --- | -45.13 | (-8.13) | 13.60 M |

LTE Band 30 / 10 MHz / QPSK - RB Size Full

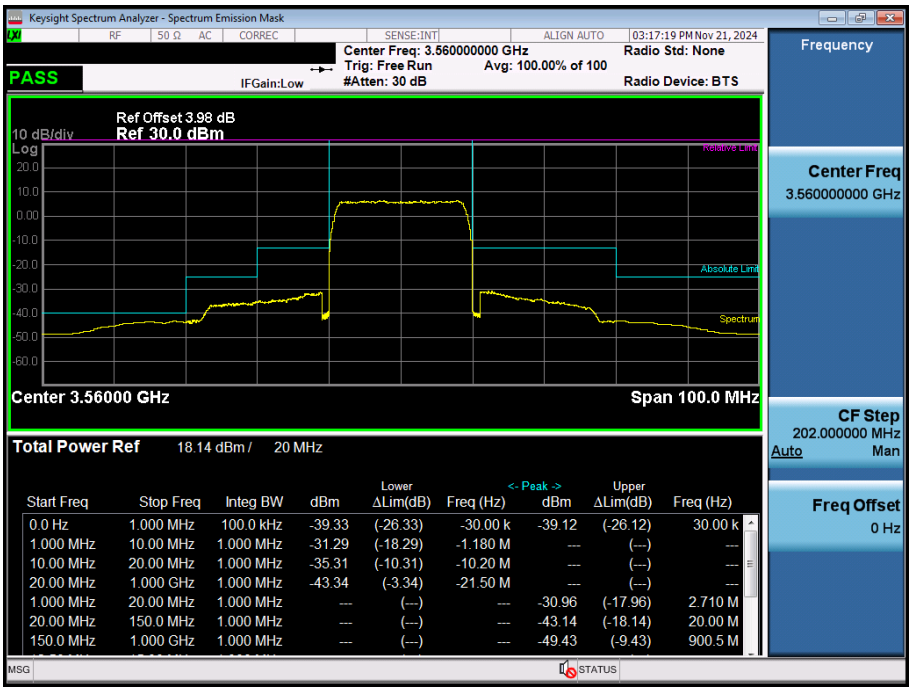
### 7.2.2. NR Band n30




| Start Freq | Stop Freq | Integ BW | dBm | Lower ΔLim(dB) | Lower Freq (Hz) | <- Peak -> dBm | Upper ΔLim(dB) | Upper Freq (Hz) |
|---|---|---|---|---|---|---|---|---|
| 0.0 Hz | 1.000 MHz | 100.0 kHz | -36.17 | (-23.17) | -50.00 k | --- | (---) | --- |
| 1.000 MHz | 5.000 MHz | 1.000 MHz | -35.86 | (-22.86) | -1.740 M | --- | (---) | --- |
| 5.000 MHz | 9.000 MHz | 1.000 MHz | -40.84 | (-15.84) | -5.710 M | --- | (---) | --- |
| 9.000 MHz | 13.00 MHz | 1.000 MHz | -48.31 | (-17.31) | -9.500 M | --- | (---) | --- |
| 13.00 MHz | 17.00 MHz | 1.000 MHz | -51.94 | (-14.94) | -13.52 M | --- | (---) | --- |
| 17.00 MHz | 35.00 MHz | 1.000 MHz | -53.21 | (-13.21) | -28.30 M | --- | (---) | --- |
| 0.0 Hz | 5.000 MHz | 1.000 MHz | --- | (---) | --- | -34.85 | (-58.85) | 525.0 k |
| 5.000 MHz | 9.000 MHz | 1.000 MHz | --- | (---) | --- | -40.91 | (-15.91) | 5.500 M |
| 9.000 MHz | 13.00 MHz | 1.000 MHz | --- | (---) | --- | -48.05 | (-17.05) | 10.24 M |
| 13.00 MHz | 22.00 MHz | 1.000 MHz | --- | (---) | --- | -51.80 | (-14.80) | 13.60 M |

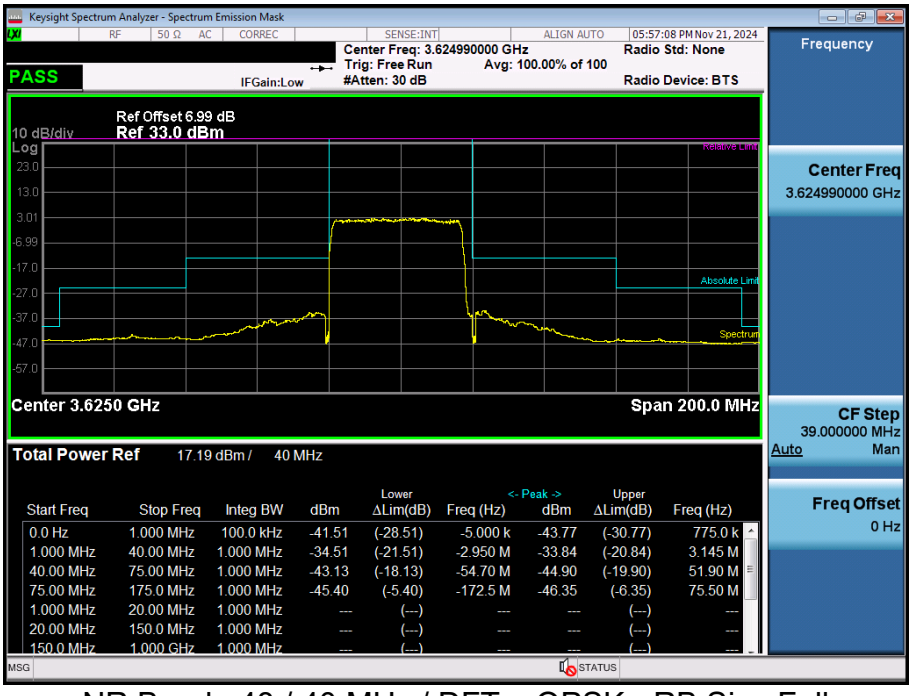
NR Band n30 / 10 MHz / DFT-s-BPSK - RB Size Full

### 7.2.3. LTE Band 48




LTE Band 48 / 20 MHz / QPSK - RB Size Full

### 7.2.4. NR Band n48

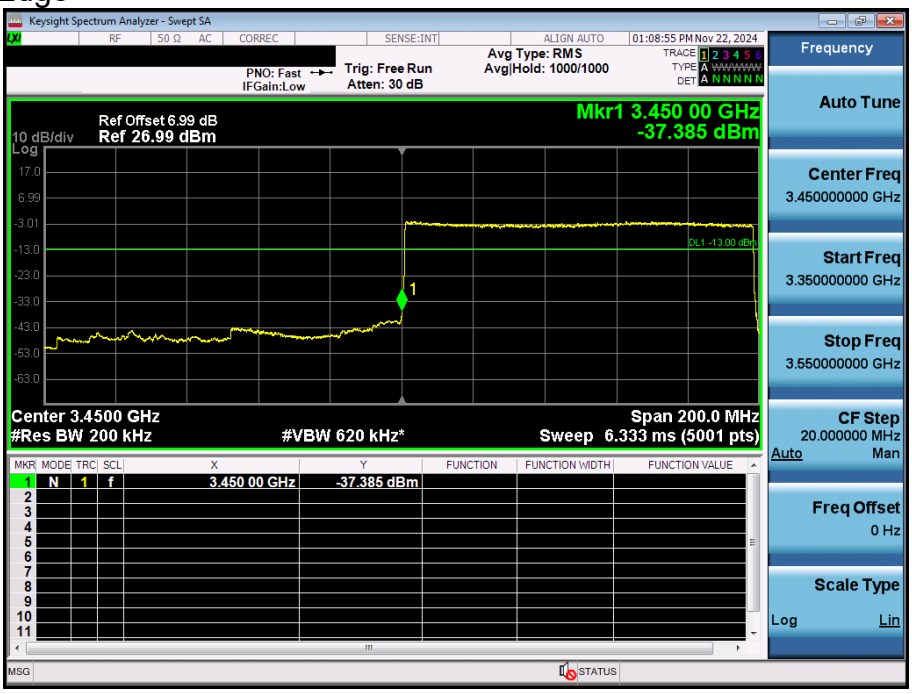



NR Band n48 / 40 MHz / DFT-s-QPSK - RB Size Full

### 7.2.4. NR Band n78

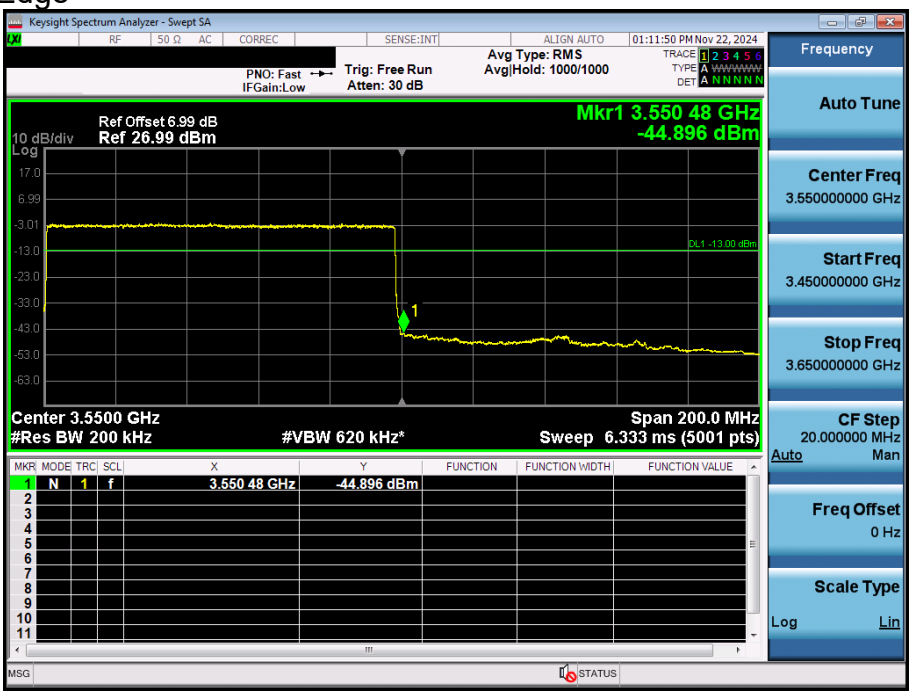
- **FCC(3 450~3 550)**

Lower Band Edge




NR Band n78 / 100 MHz / DFT-s-BPSK - RB Size Full

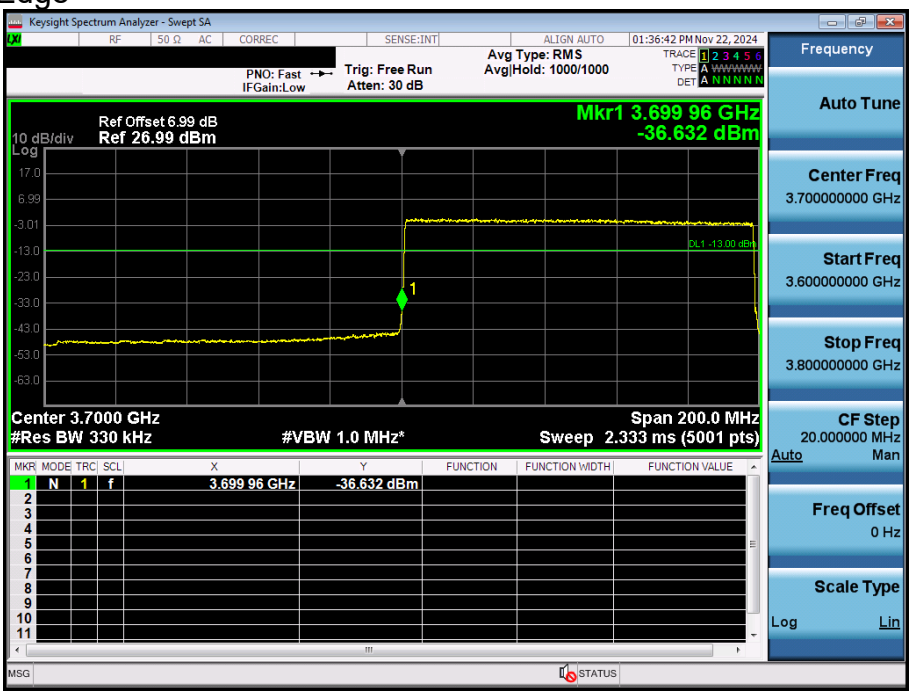
Upper Band Edge




NR Band n78 / 100 MHz / DFT-s-BPSK - RB Size Full

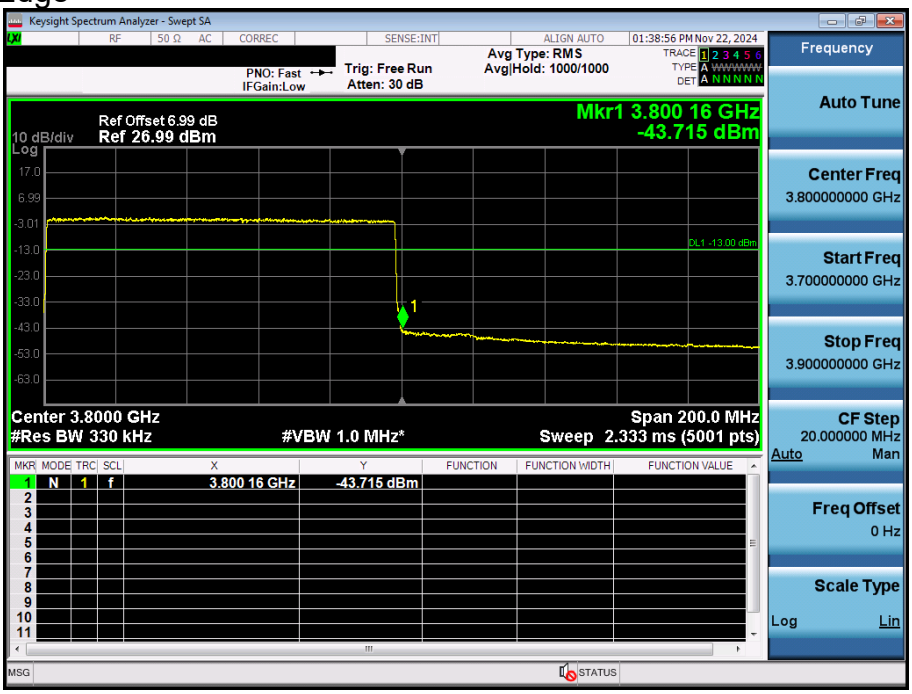
- **FCC(3 700~3 800)**

Lower Band Edge




NR Band n78 / 100 MHz / DFT-s-QPSK - RB Size Full

Upper Band Edge

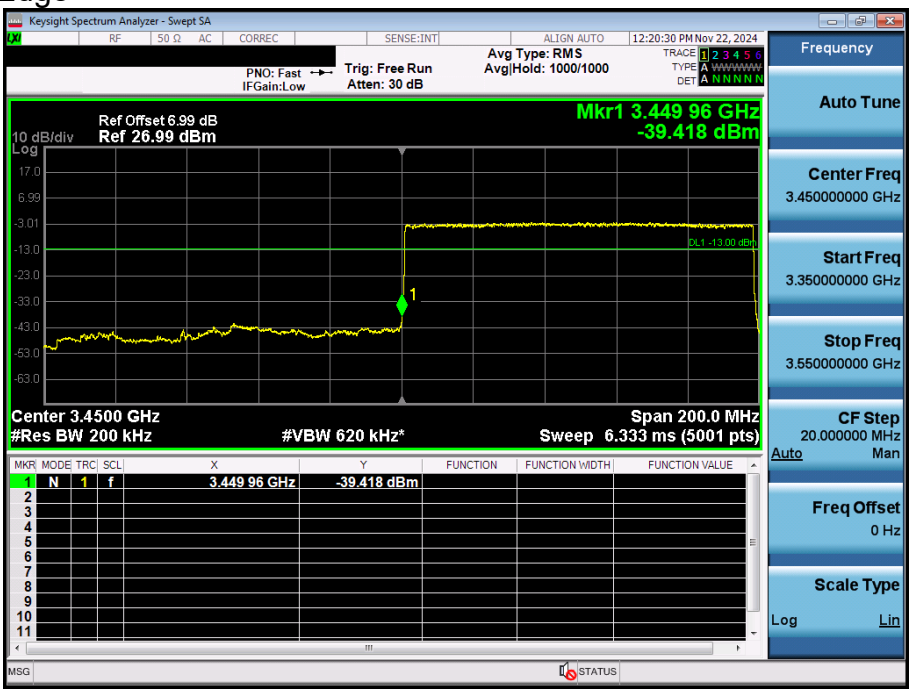



NR Band n78 / 100 MHz / DFT-s-QPSK - RB Size Full

### 7.2.5. NR Band n77

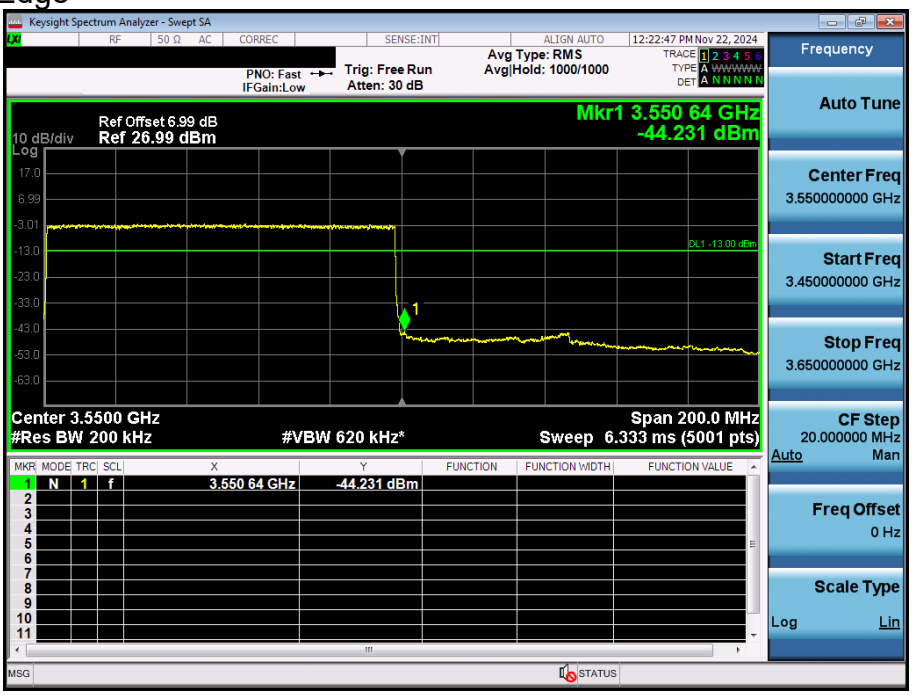
- **FCC(3 450~3 550)**

Lower Band Edge




NR Band n77 / 100 MHz / DFT-s-BPSK - RB Size Full

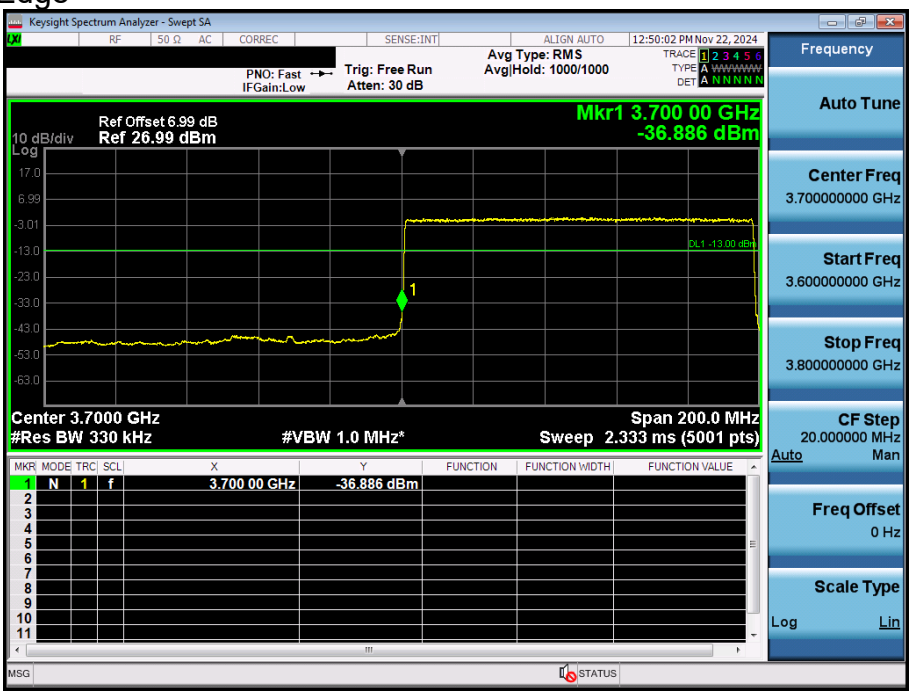
Upper Band Edge




NR Band n77 / 100 MHz / DFT-s-BPSK - RB Size Full

- **FCC(3 700~3 980)**

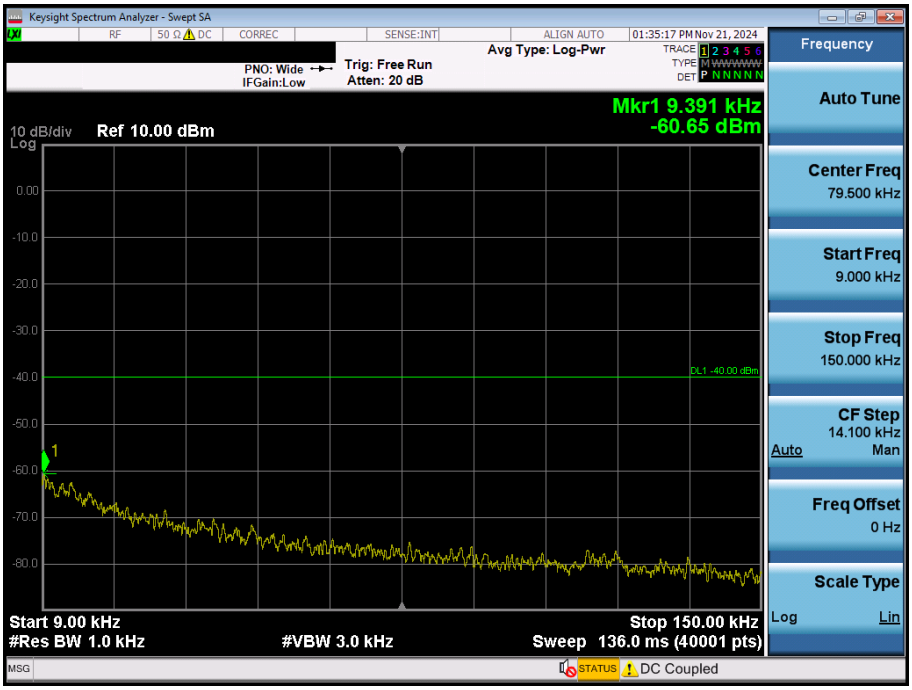
Lower Band Edge



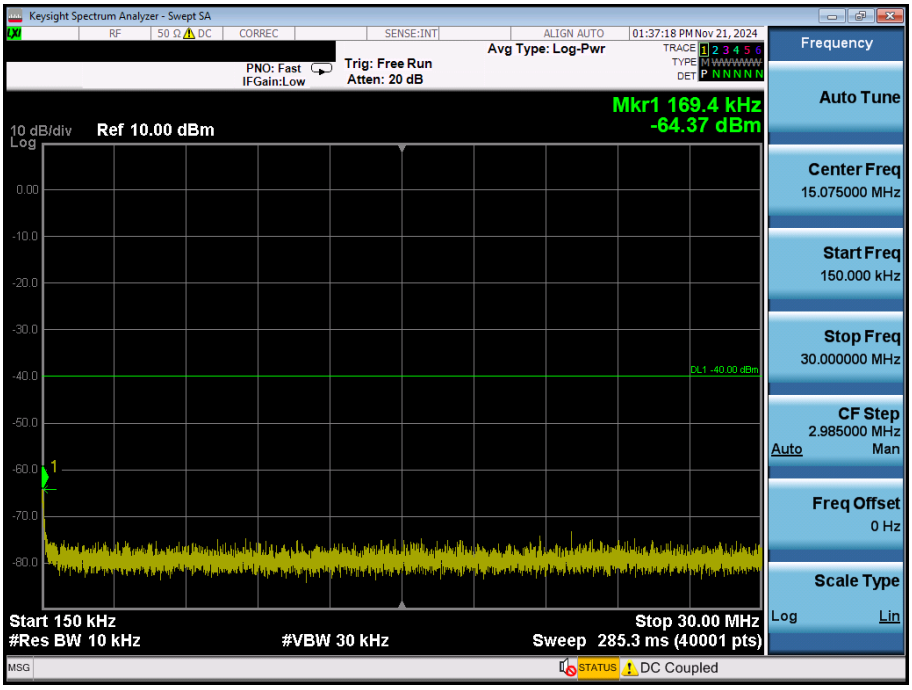

NR Band n77 / 100 MHz / DFT-s-BPSK - RB Size Full

## 7.3. SPURIOUS AND HARMONICS EMISSIONS(Conducted)

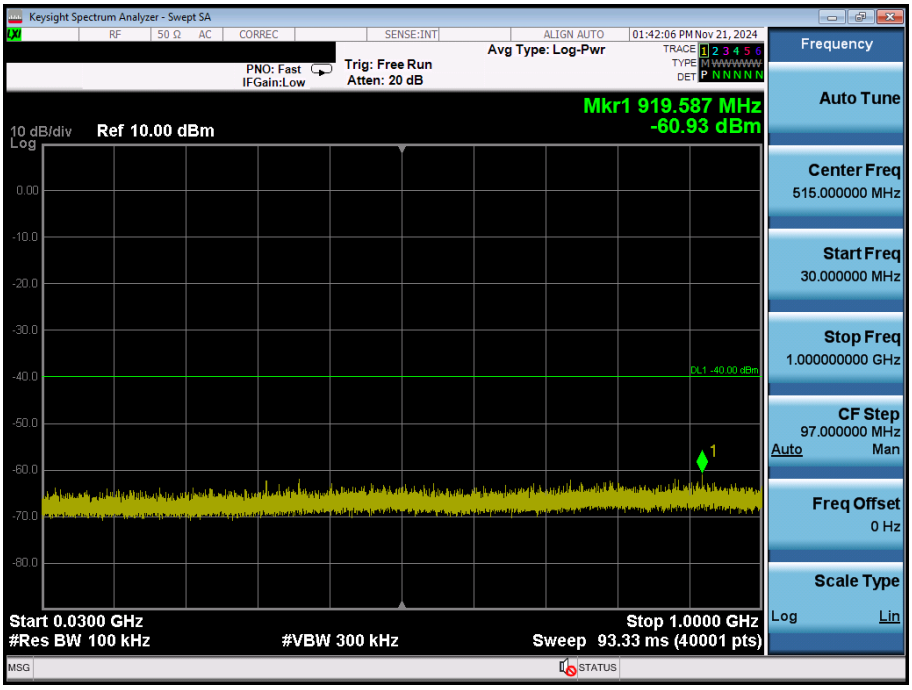
### 7.3.1. LTE Band 30



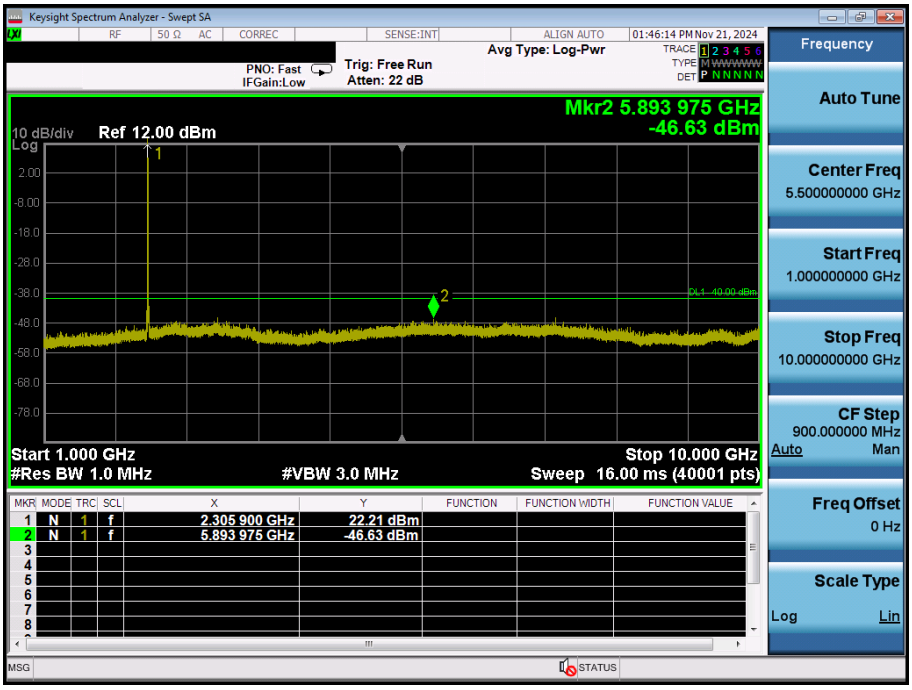

LTE Band 30 / 10 MHz / QPSK - RB Size/Offset (1/0) – Low Channel



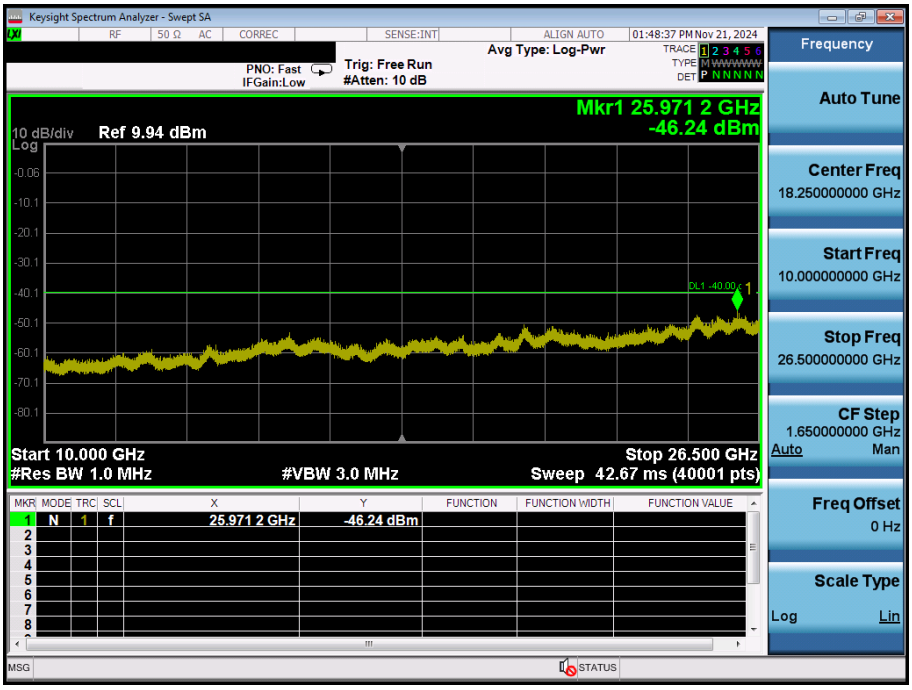

LTE Band 30 / 10 MHz / QPSK - RB Size/Offset (1/0) – Low Channel




LTE Band 30 / 10 MHz / QPSK - RB Size/Offset (1/0) – Low Channel

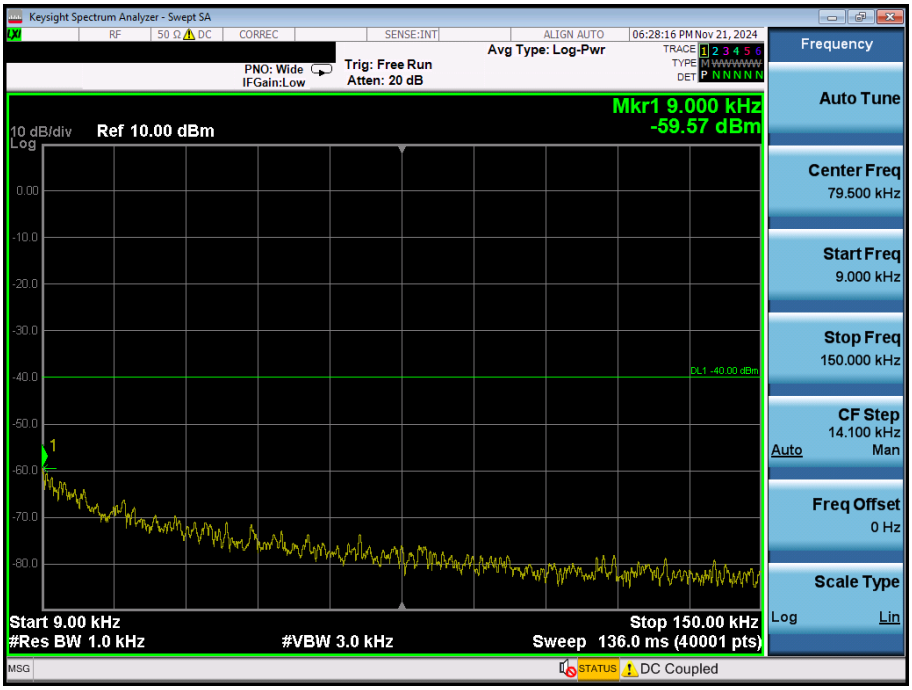



LTE Band 30 / 10 MHz / QPSK - RB Size/Offset (1/0) – Low Channel

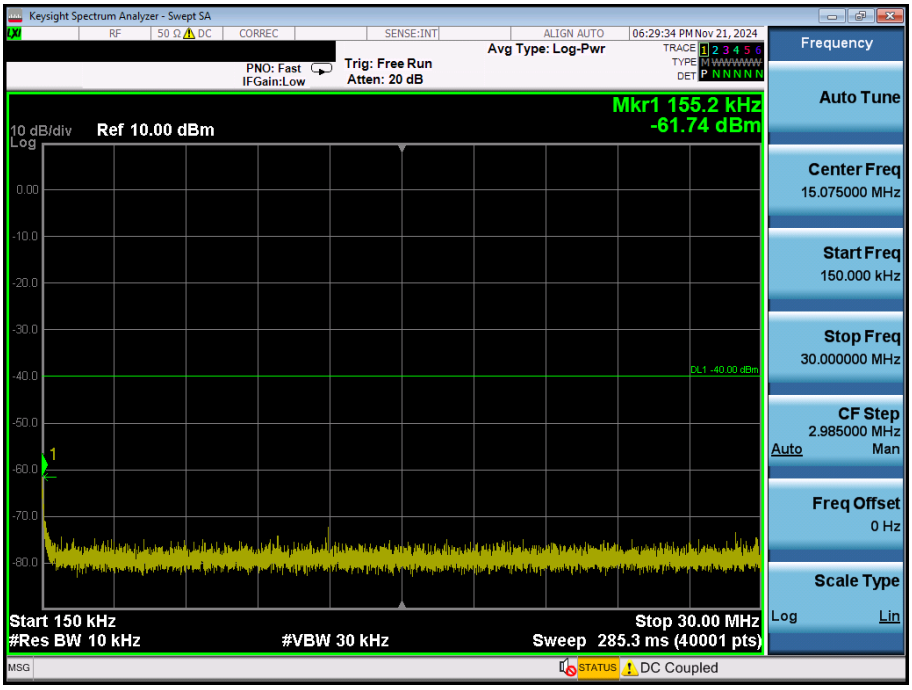



LTE Band 30 / 10 MHz / QPSK - RB Size/Offset (1/0) – Low Channel

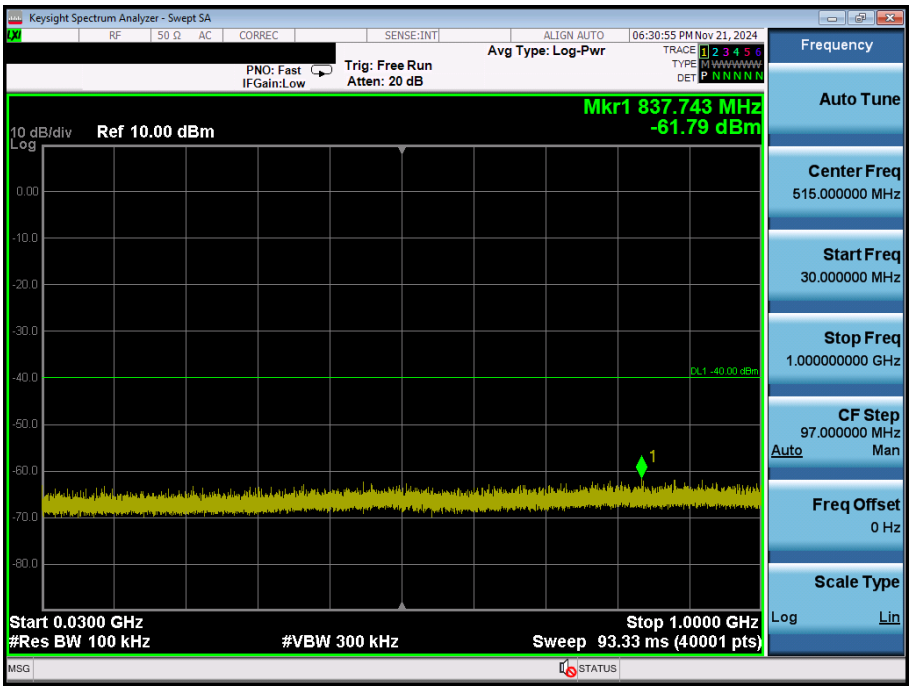
### 7.3.2. NR Band n30



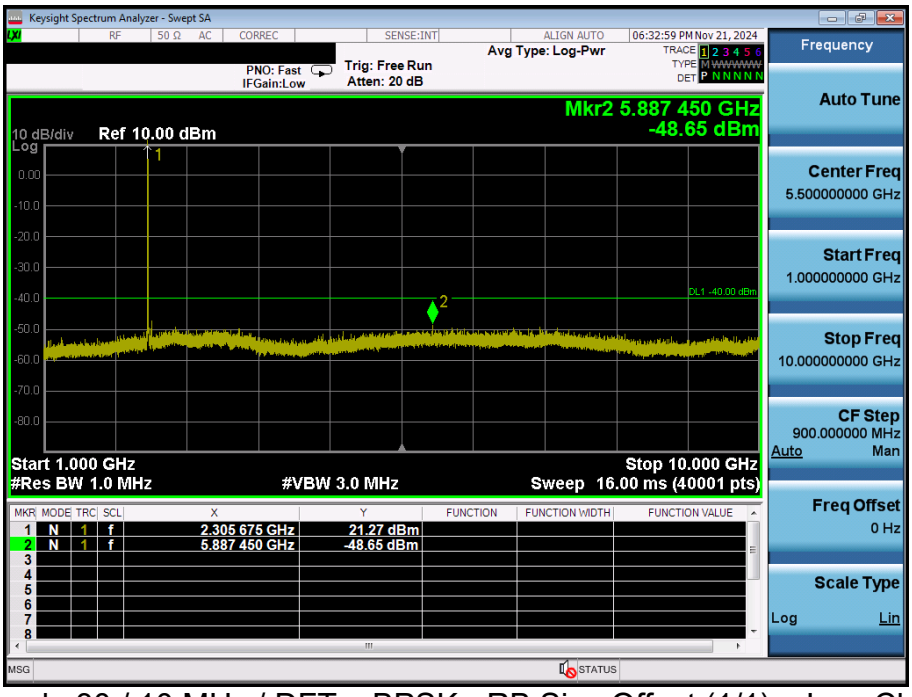

NR Band n30 / 10 MHz / DFT-s-BPSK - RB Size Offset (1/1) – Low Channel



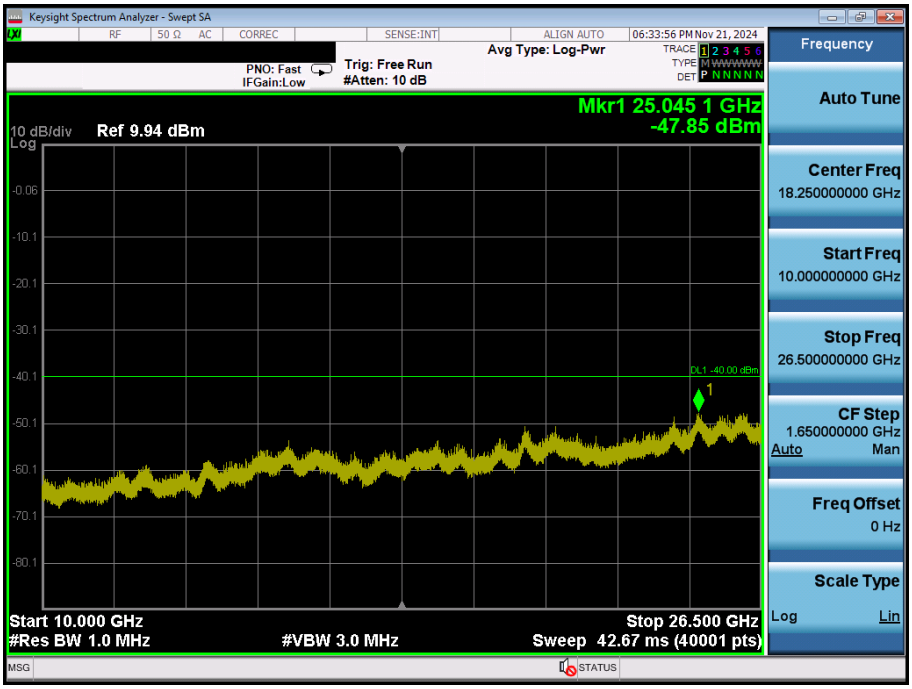

NR Band n30 / 10 MHz / DFT-s-BPSK - RB Size Offset (1/1) – Low Channel




NR Band n30 / 10 MHz / DFT-s-BPSK - RB Size Offset (1/1) – Low Channel

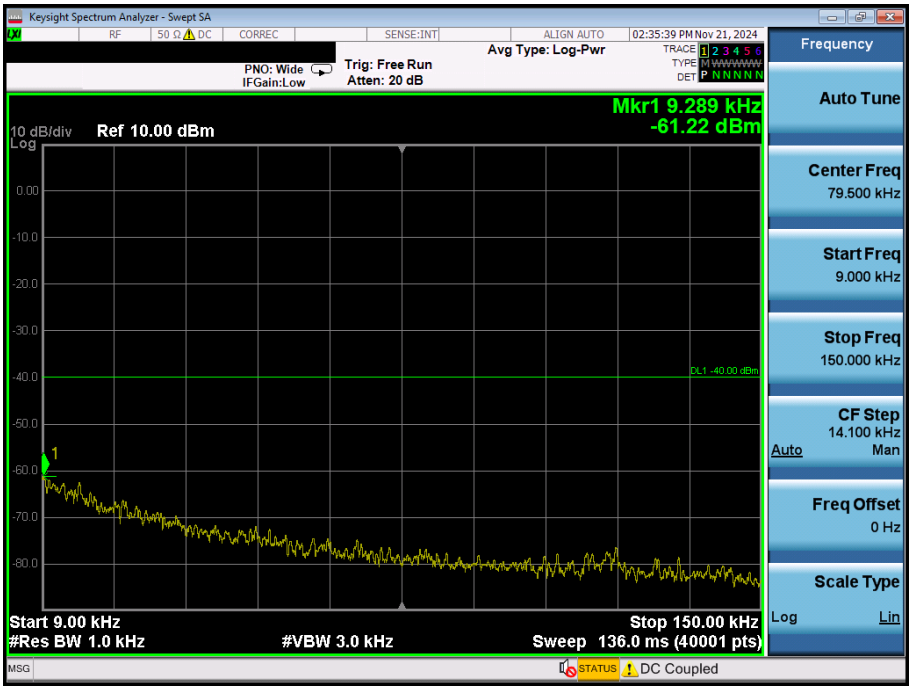



NR Band n30 / 10 MHz / DFT-s-BPSK - RB Size Offset (1/1) – Low Channel

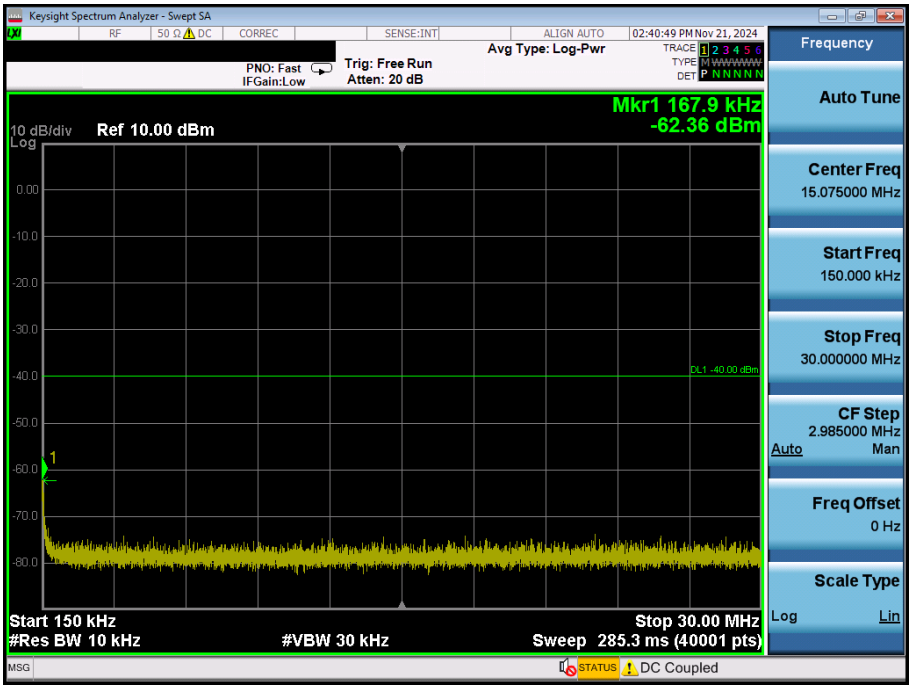



NR Band n30 / 10 MHz / DFT-s-BPSK - RB Size Offset (1/1) – Low Channel

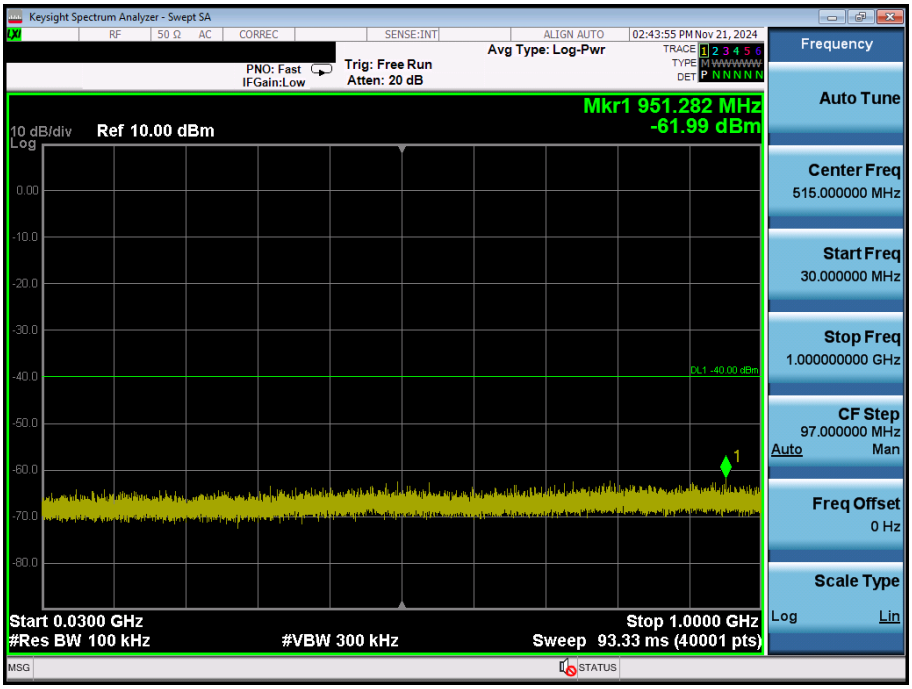
### 7.3.3. LTE Band 48



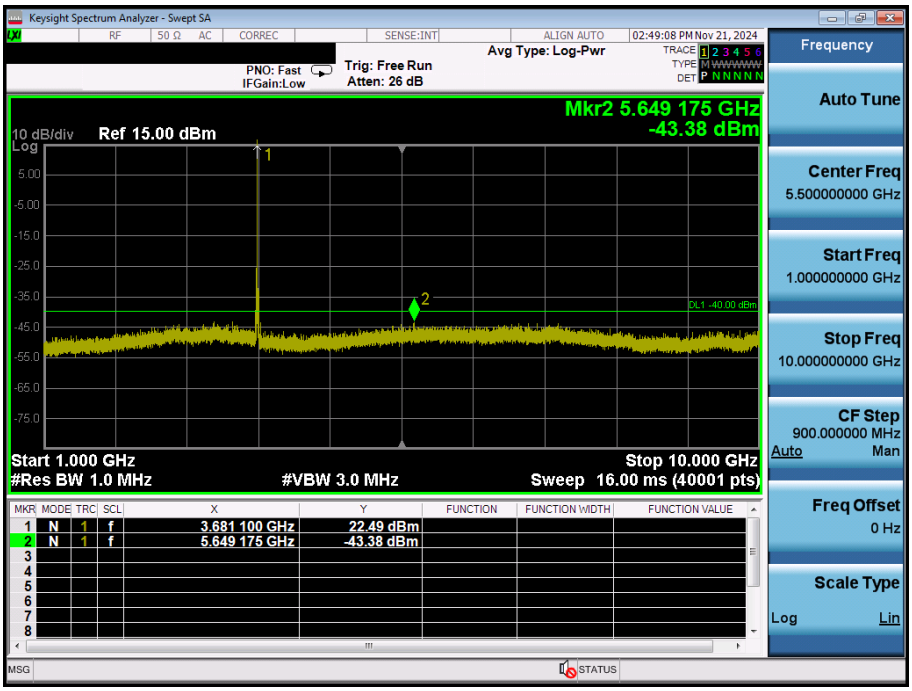

LTE Band 48 / 20 MHz / QPSK - RB Size Offset(1/0) – Low Channel



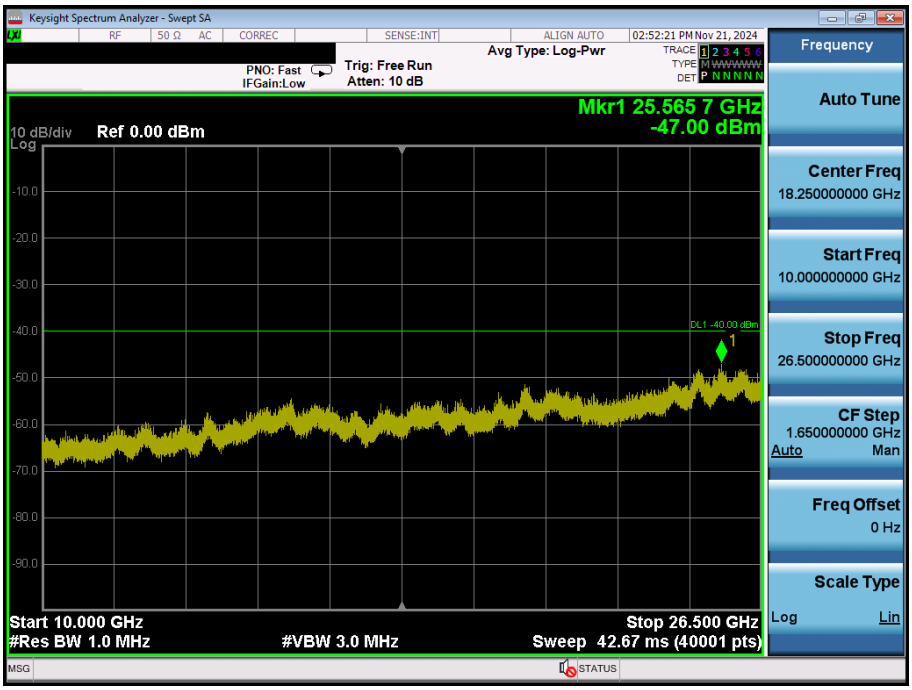

LTE Band 48 / 20 MHz / QPSK - RB Size Offset(1/0) – Low Channel



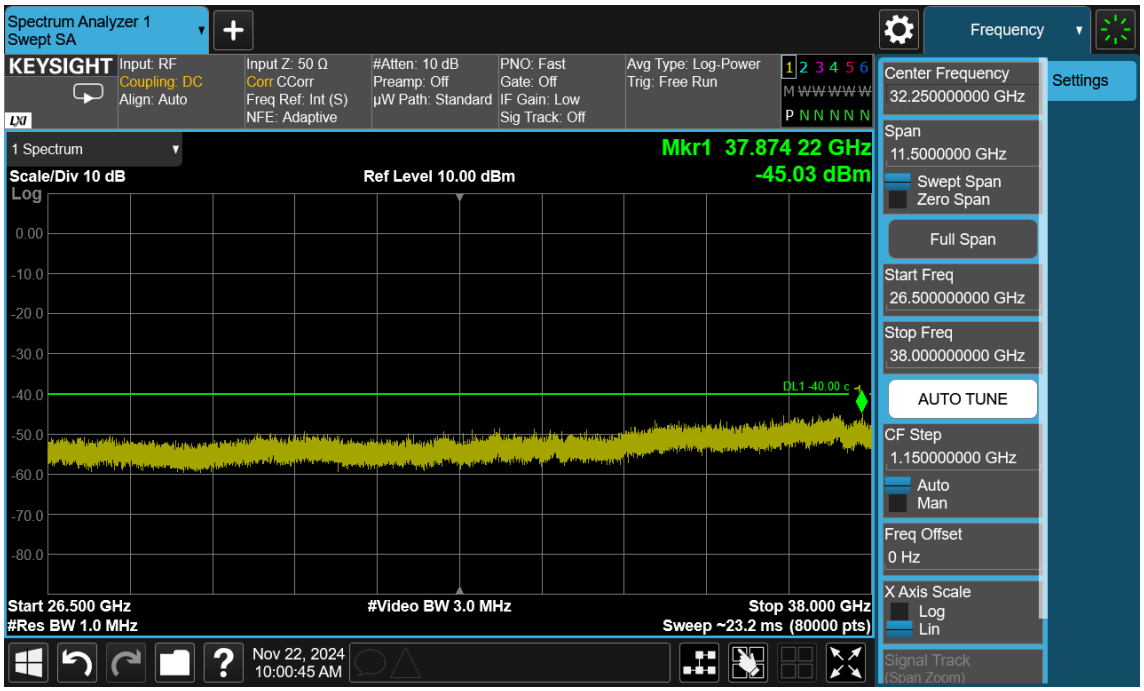

LTE Band 48 / 20 MHz / QPSK - RB Size Offset(1/0) – Low Channel




LTE Band 48 / 20 MHz / QPSK - RB Size Offset(1/0) – Low Channel

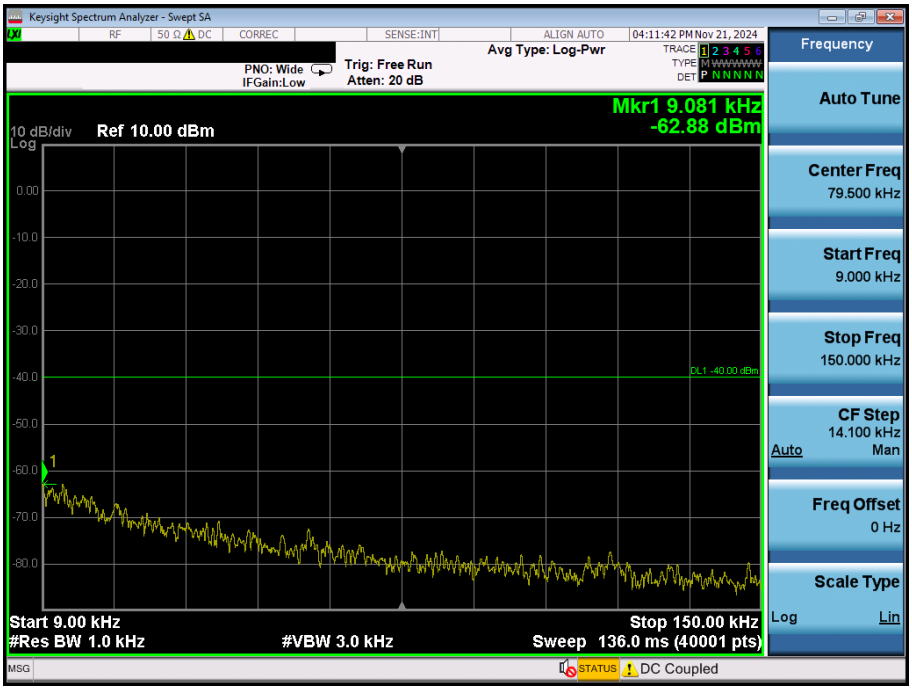



LTE Band 48 / 20 MHz / QPSK - RB Size Offset(1/0) – Low Channel

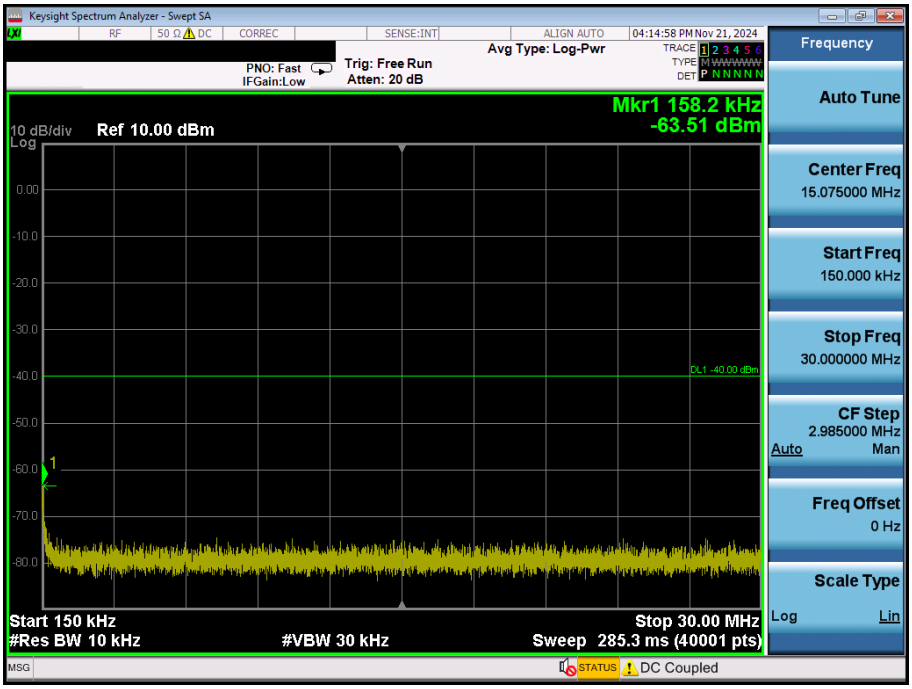



LTE Band 48 / 20 MHz / QPSK - RB Size Offset(1/0) – Low Channel

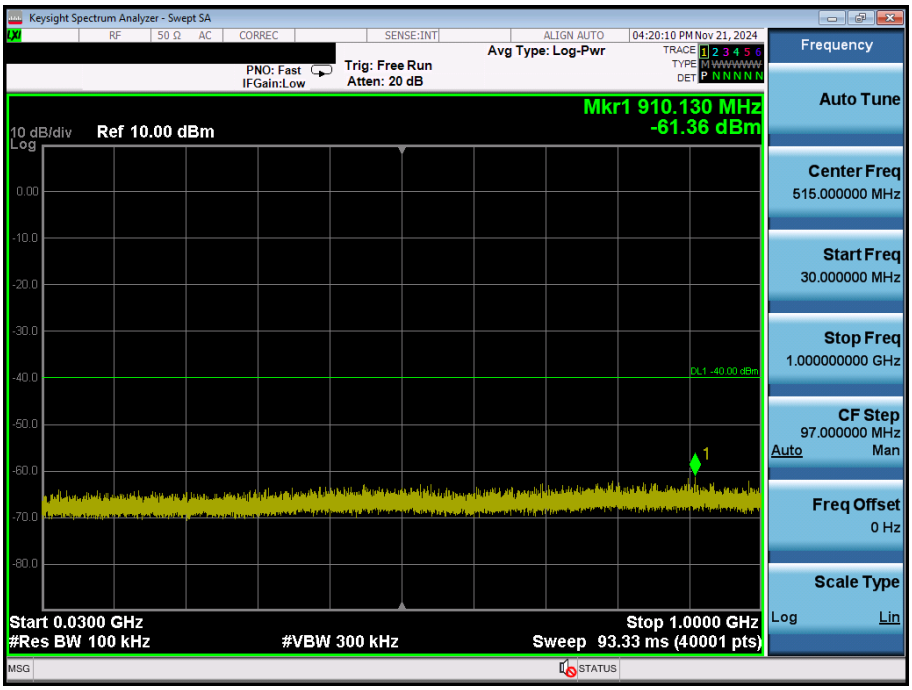
### 7.3.4. NR Band n48



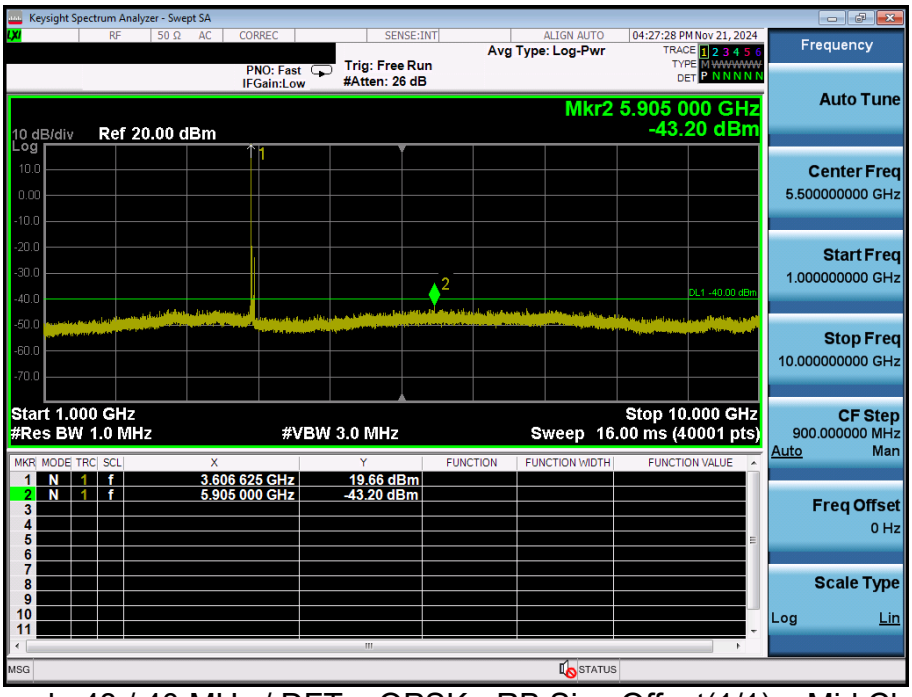

NR Band n48 / 40 MHz / DFT-s-QPSK - RB Size Offset(1/1) – Mid Channel



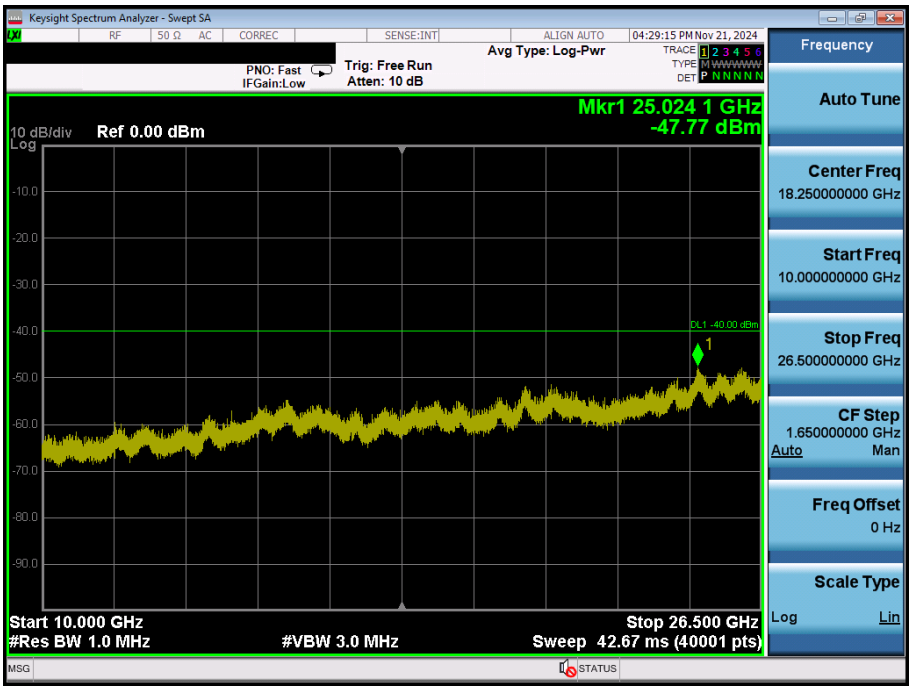

NR Band n48 / 40 MHz / DFT-s-QPSK - RB Size Offset(1/1) – Mid Channel



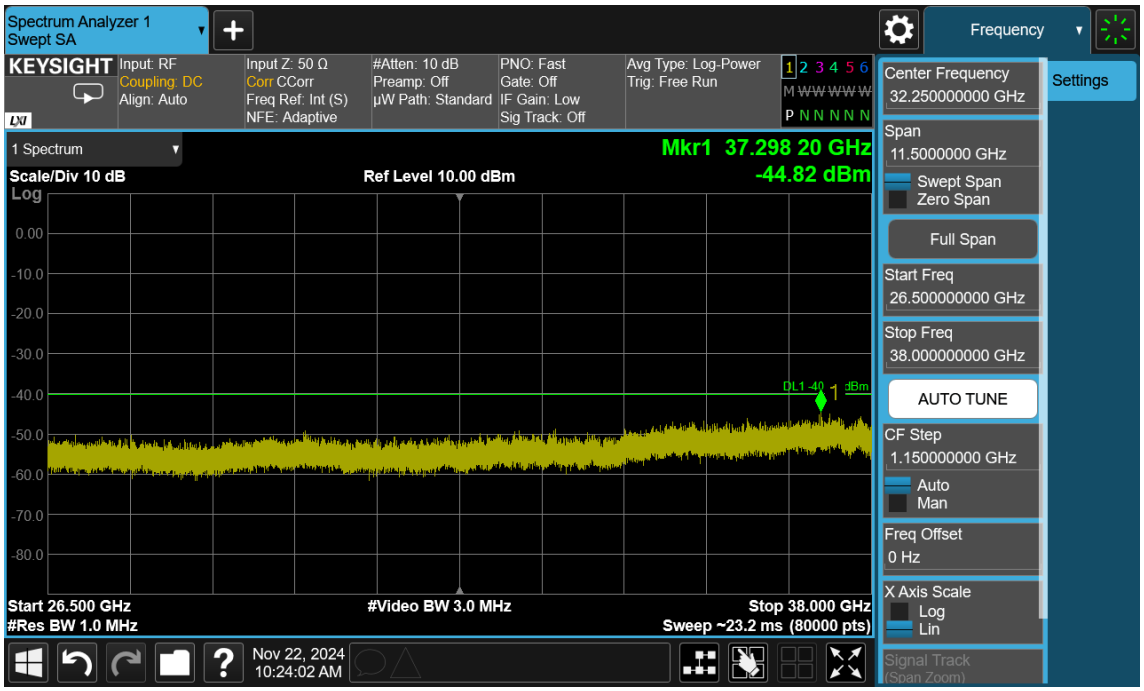

NR Band n48 / 40 MHz / DFT-s-QPSK - RB Size Offset(1/1) – Mid Channel




NR Band n48 / 40 MHz / DFT-s-QPSK - RB Size Offset(1/1) – Mid Channel



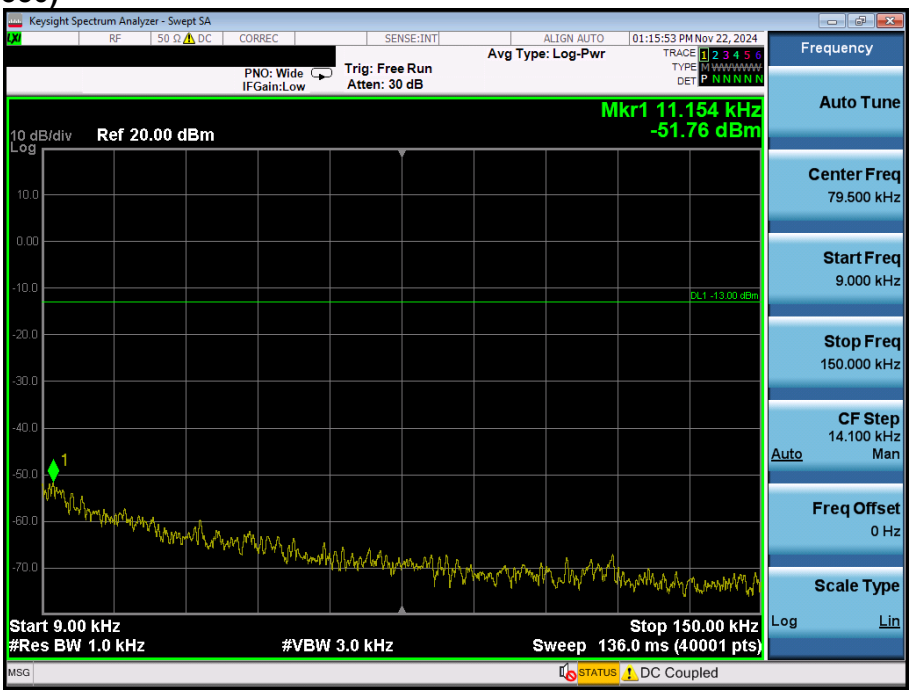

NR Band n48 / 40 MHz / DFT-s-QPSK - RB Size Offset(1/1) – Mid Channel



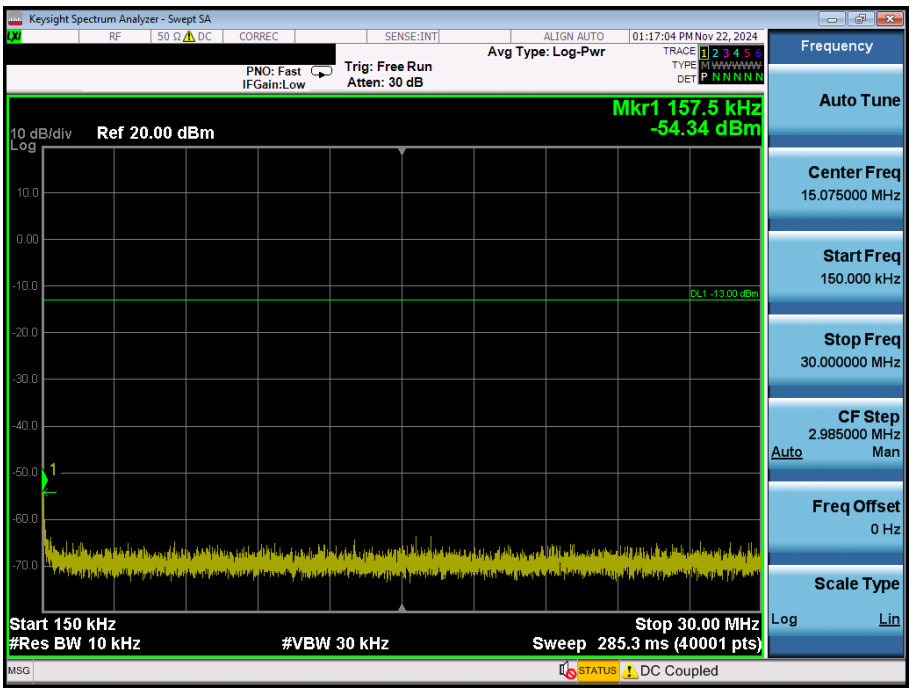

NR Band n48 / 40 MHz / DFT-s-QPSK - RB Size Offset(1/1) – Mid Channel

### 7.3.5. NR Band n78

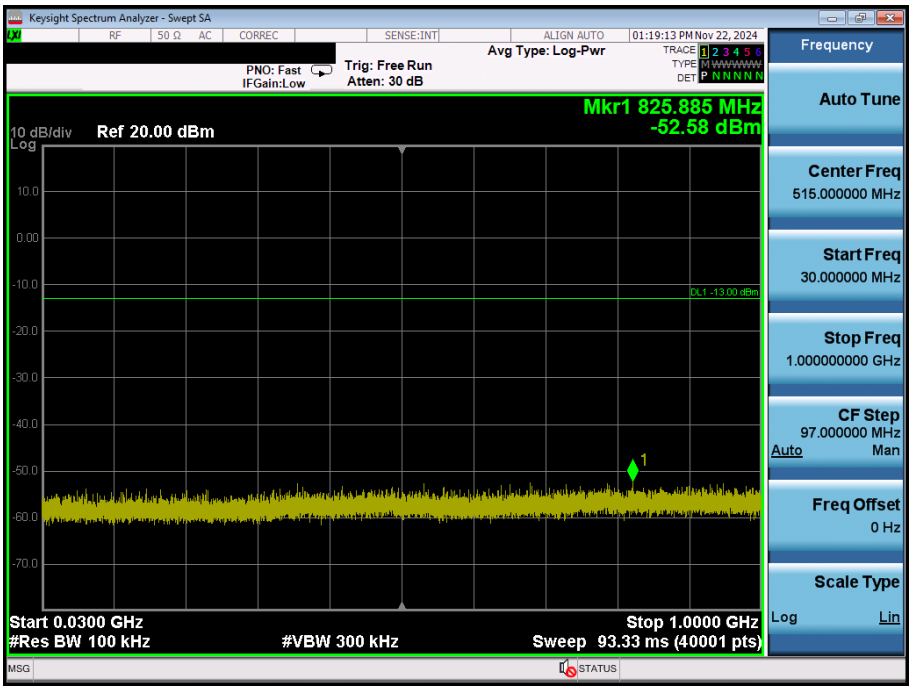
- **FCC(3 450~3 550)**



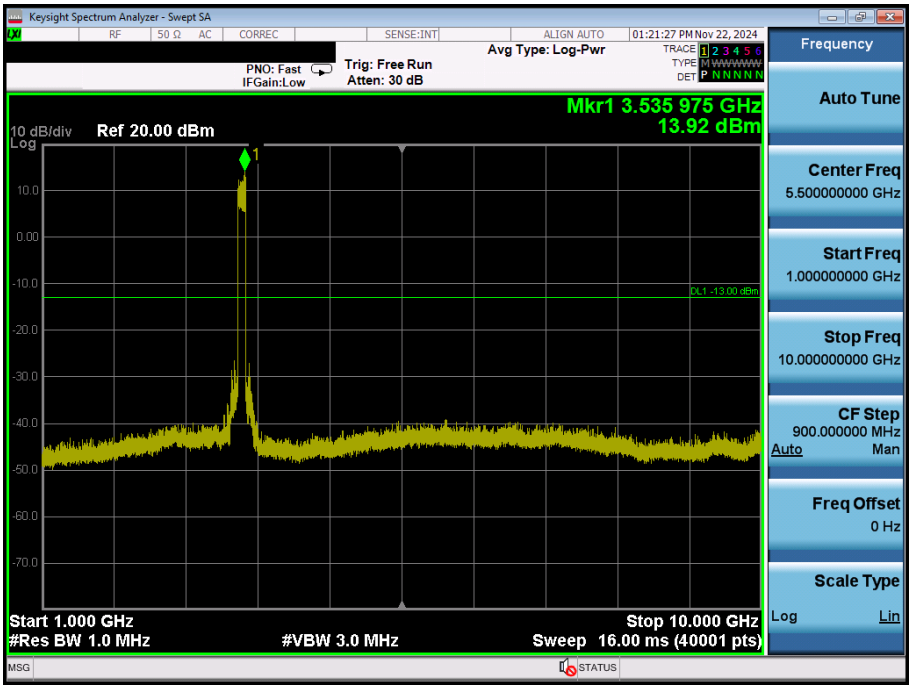

NR Band n78 / 100 MHz / DFT-s-BPSK - RB Size Full – Low Channel




NR Band n78 / 100 MHz / DFT-s-BPSK - RB Size Full – Low Channel

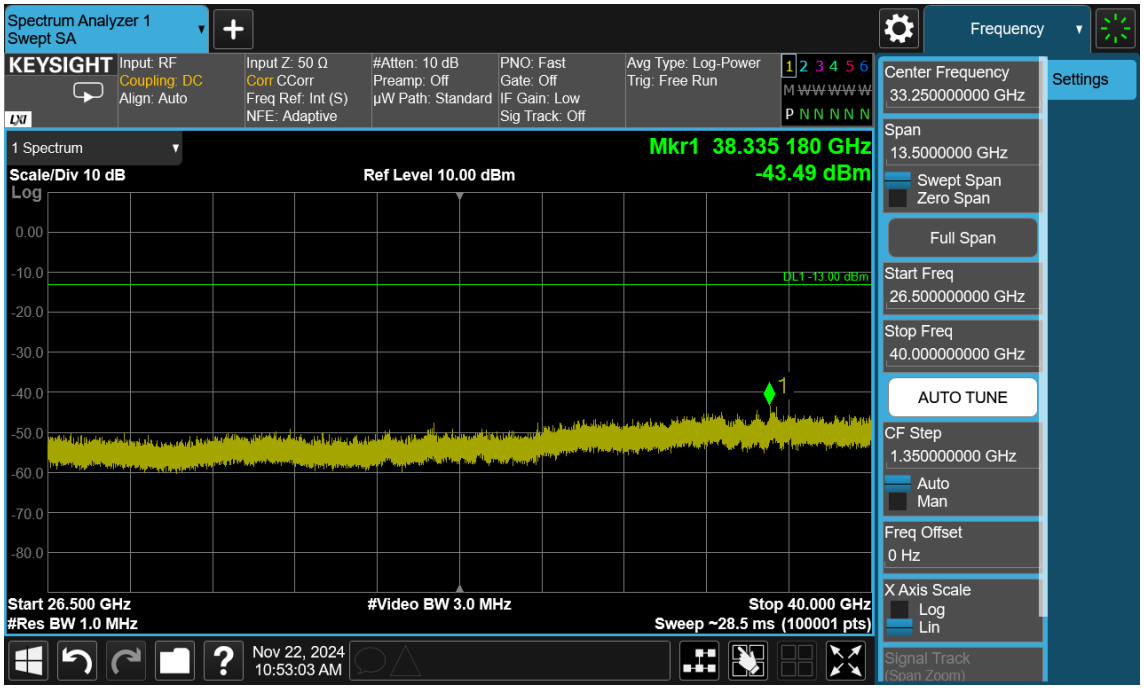



NR Band n78 / 100 MHz / DFT-s-BPSK - RB Size Full – Low Channel



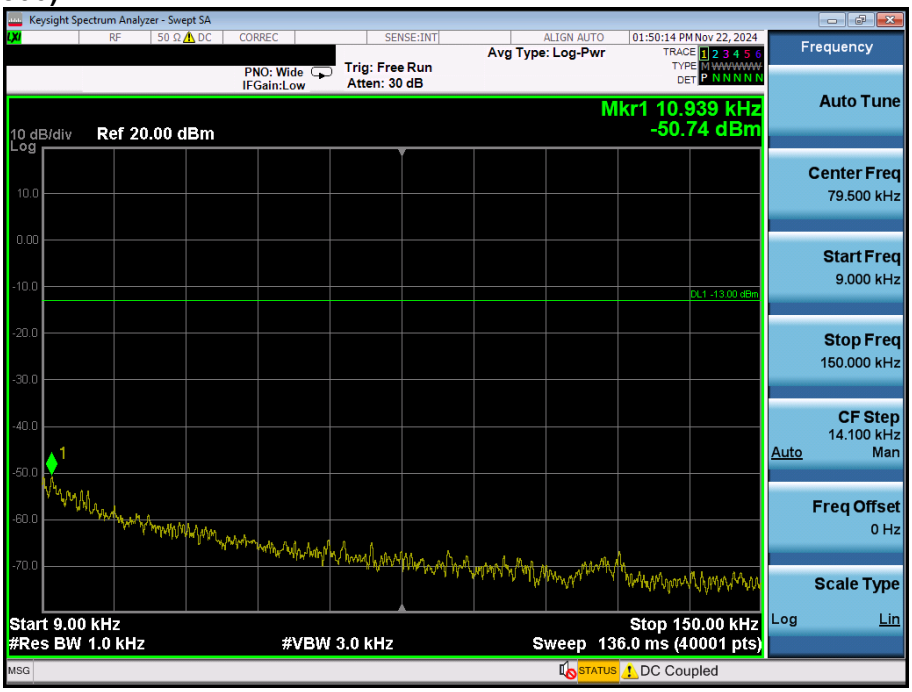

NR Band n78 / 100 MHz / DFT-s-BPSK - RB Size Full – Low Channel


NR Band n78 / 100 MHz / DFT-s-BPSK - RB Size Full – Low Channel

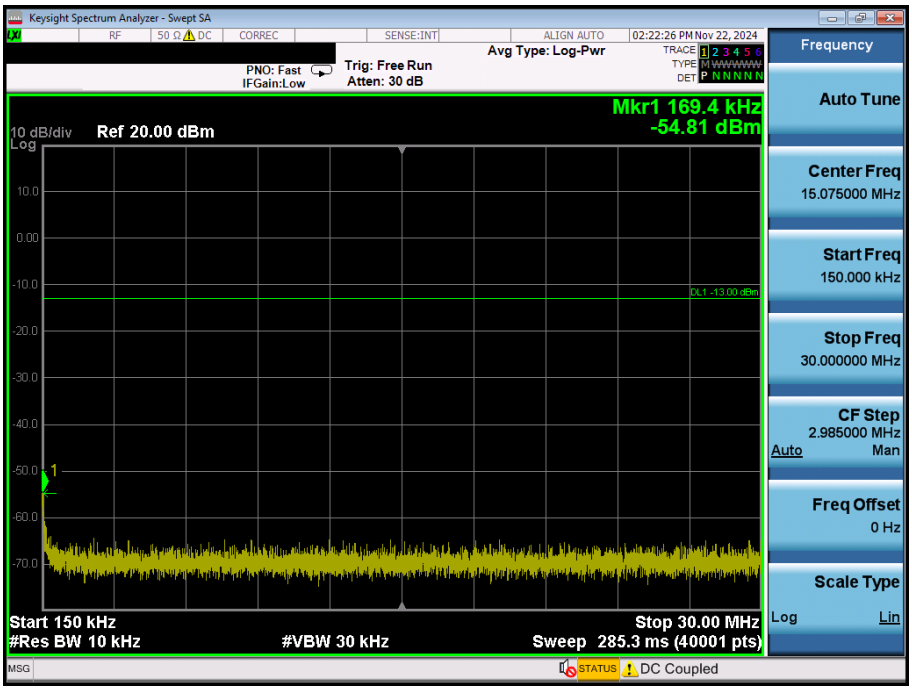



NR Band n78 / 100 MHz / DFT-s-BPSK - RB Size Full – Low Channel

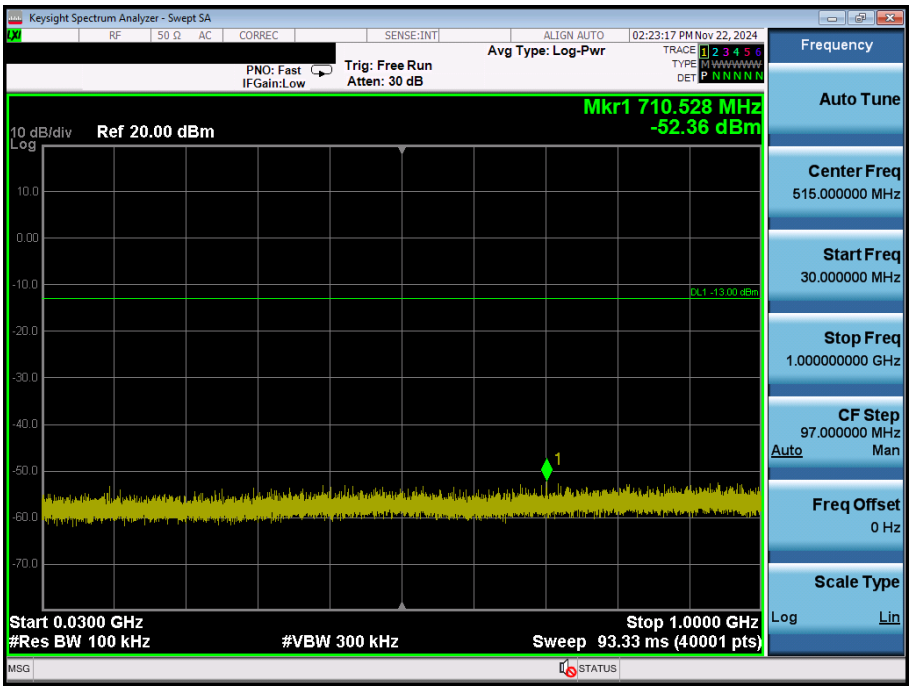
- **FCC(3 700~3 800)**



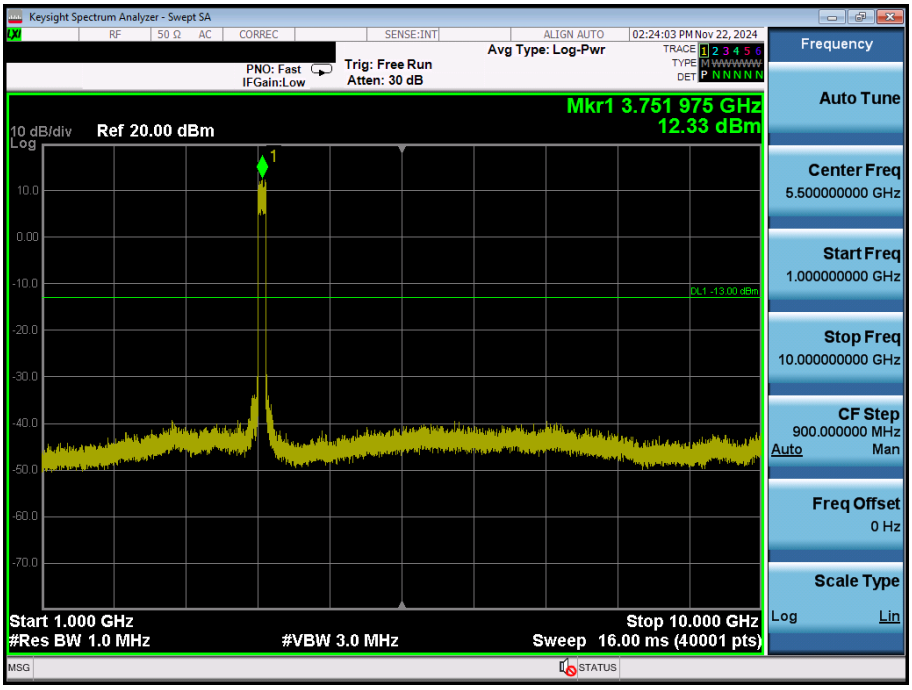

NR Band n78 / 100 MHz / DFT-s-BPSK - RB Size Full – Low Channel




NR Band n78 / 100 MHz / DFT-s-BPSK - RB Size Full – Low Channel

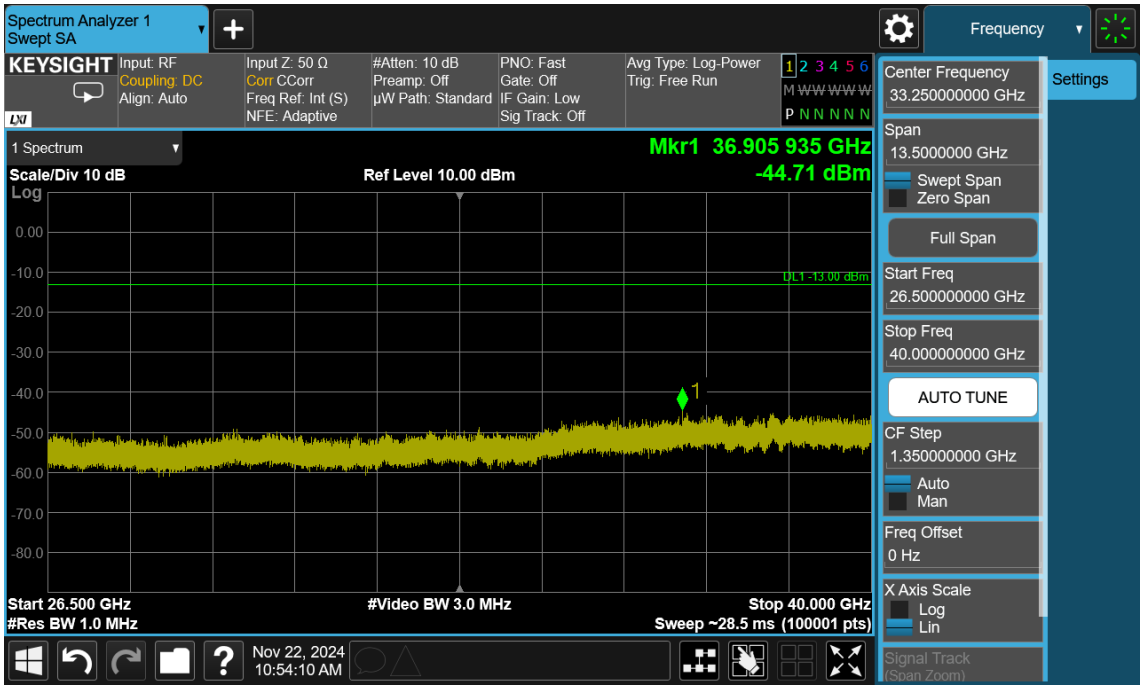



NR Band n78 / 100 MHz / DFT-s-BPSK - RB Size Full – Low Channel




NR Band n78 / 100 MHz / DFT-s-BPSK - RB Size Full – Low Channel

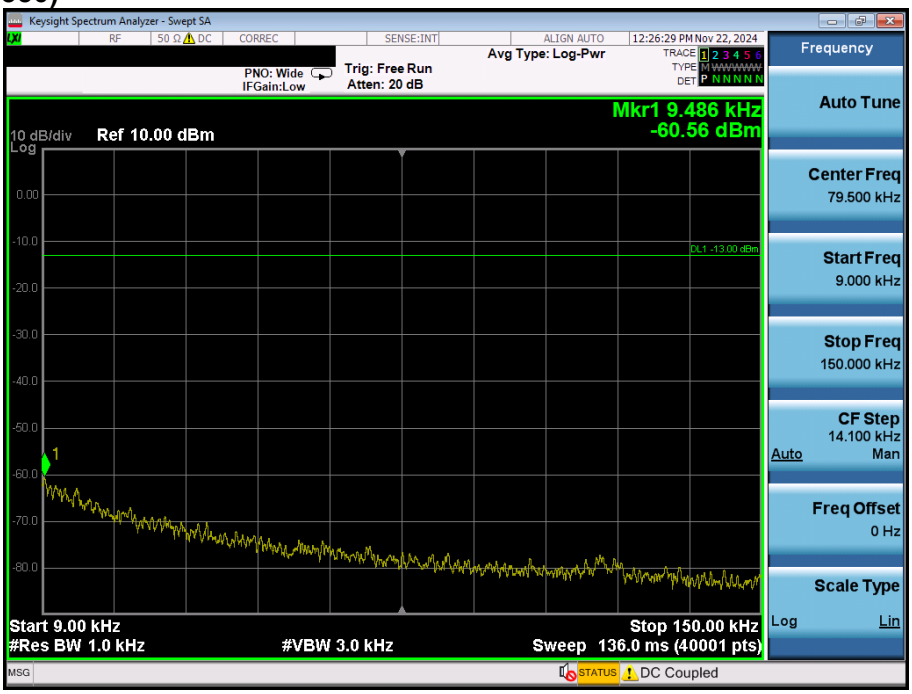

NR Band n78 / 100 MHz / DFT-s-BPSK - RB Size Full – Low Channel



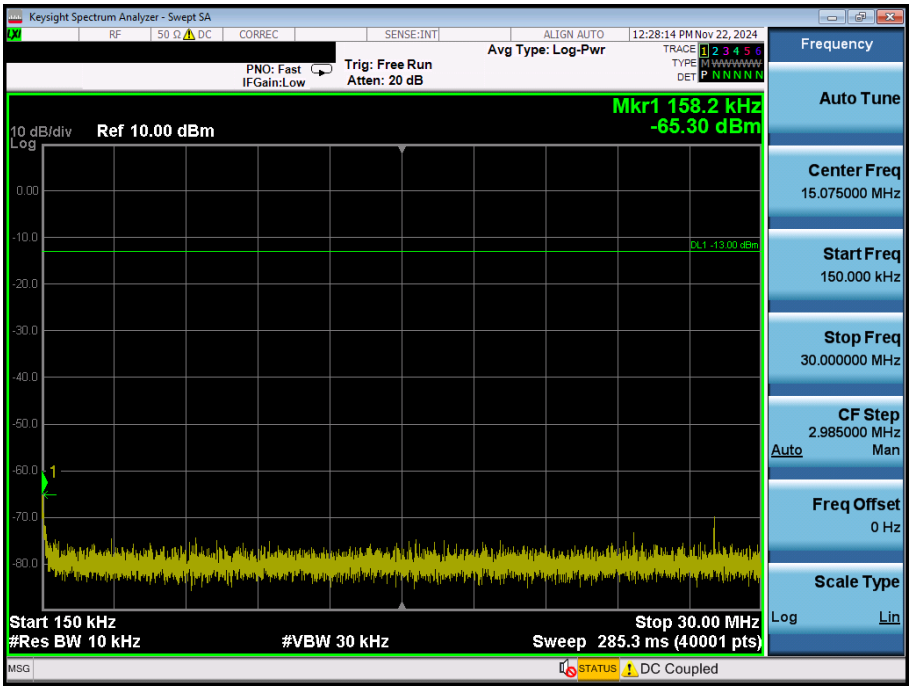

NR Band n78 / 100 MHz / DFT-s-BPSK - RB Size Full – Low Channel

### 7.3.6. NR Band n77

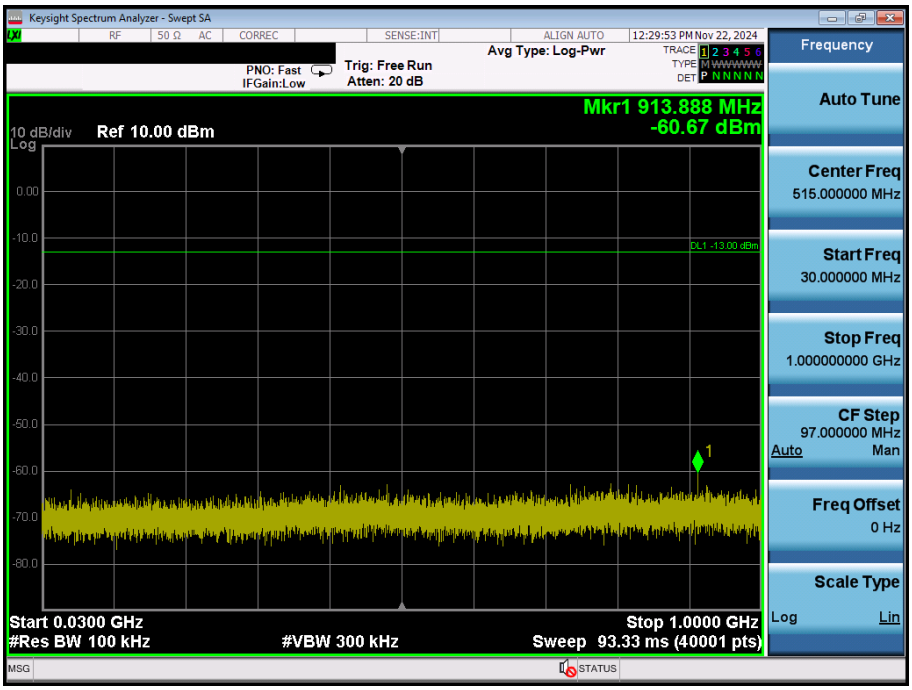
- **FCC(3 450~3 550)**



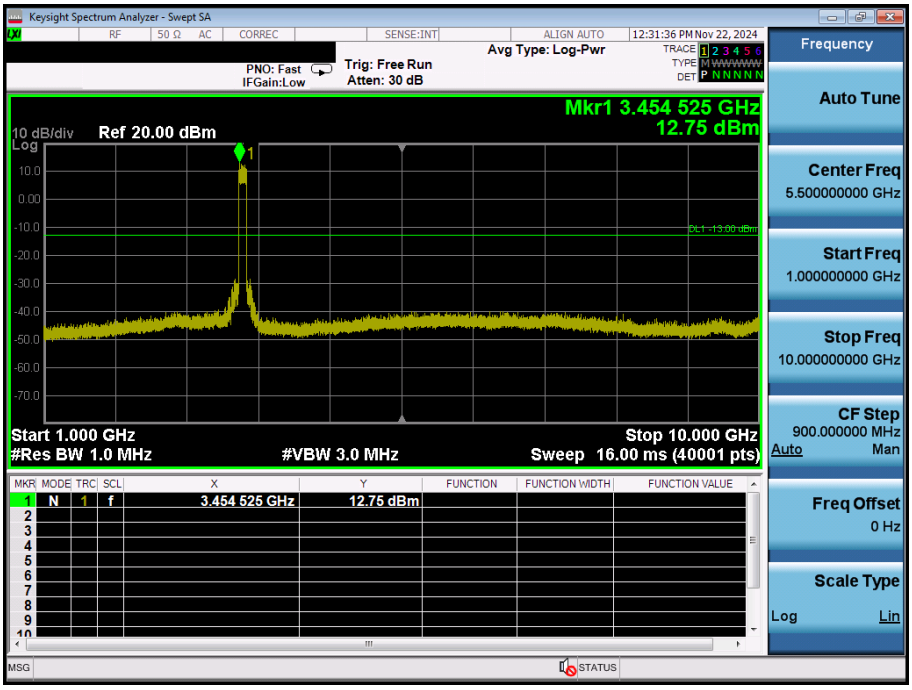

NR Band n77 / 100 MHz / DFT-s-BPSK - RB Size Full – Low Channel




NR Band n77 / 100 MHz / DFT-s-BPSK - RB Size Full – Low Channel

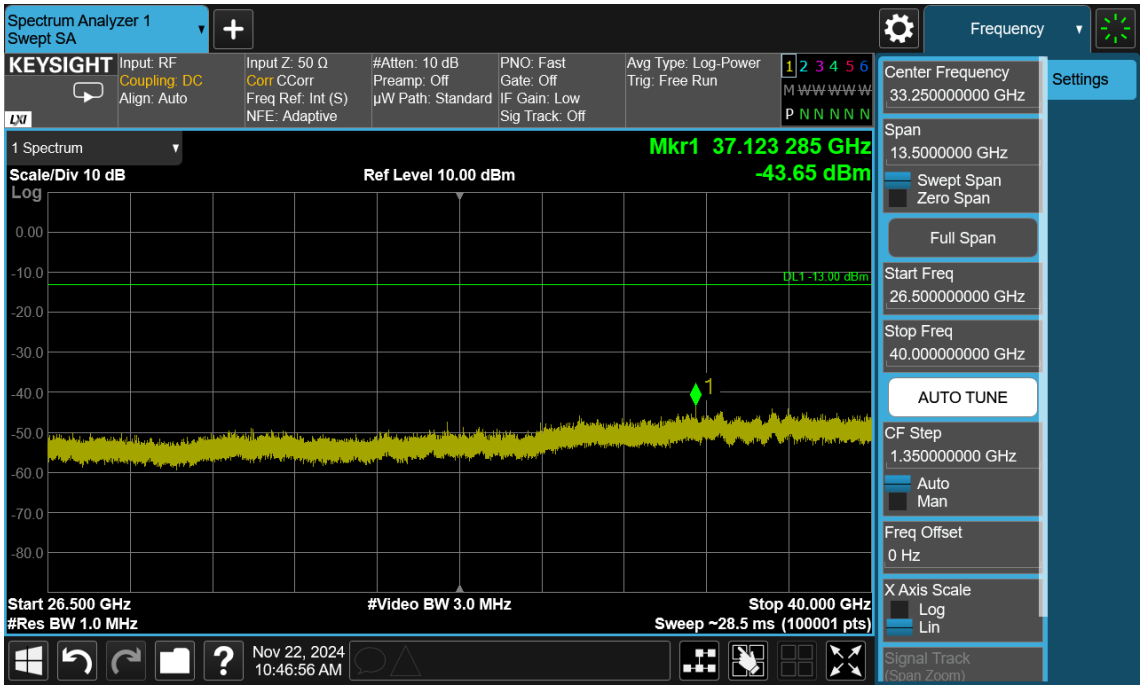



NR Band n77 / 100 MHz / DFT-s-BPSK - RB Size Full – Low Channel



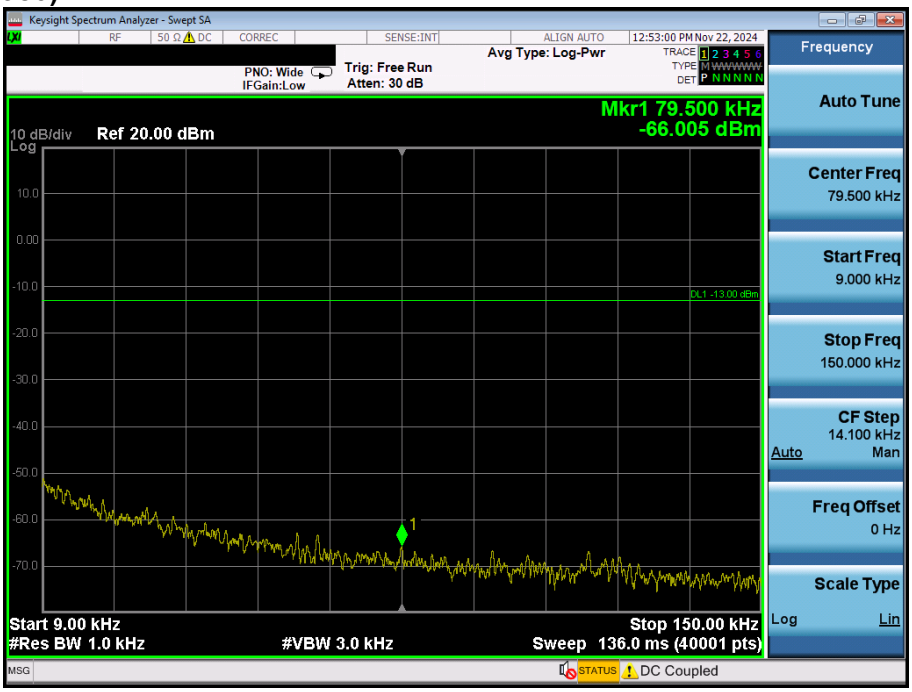

NR Band n77 / 100 MHz / DFT-s-BPSK - RB Size Full – Low Channel


NR Band n77 / 100 MHz / DFT-s-BPSK - RB Size Full – Low Channel

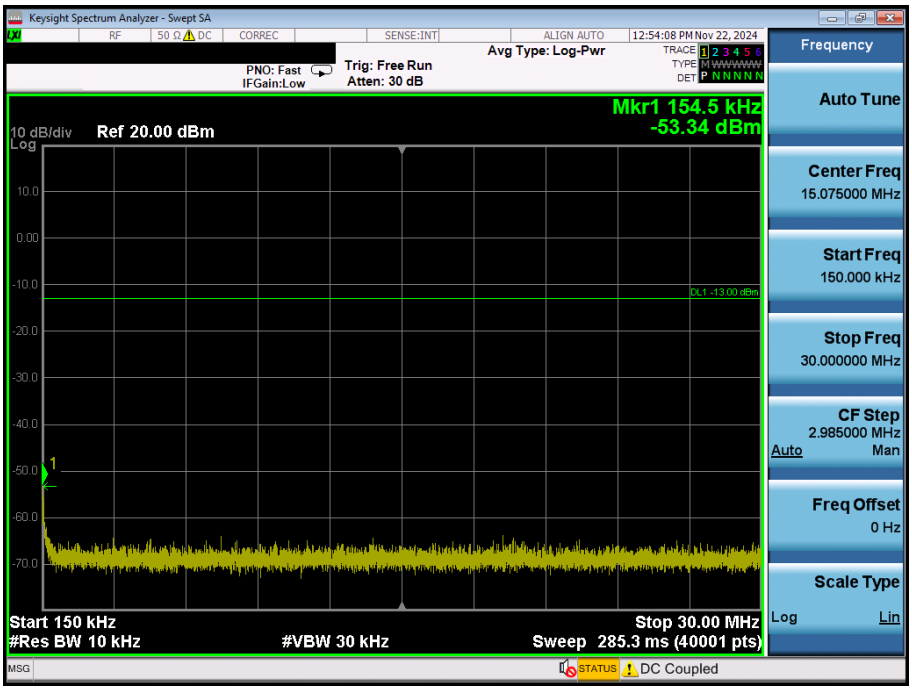



NR Band n77 / 100 MHz / DFT-s-BPSK - RB Size Full – Low Channel

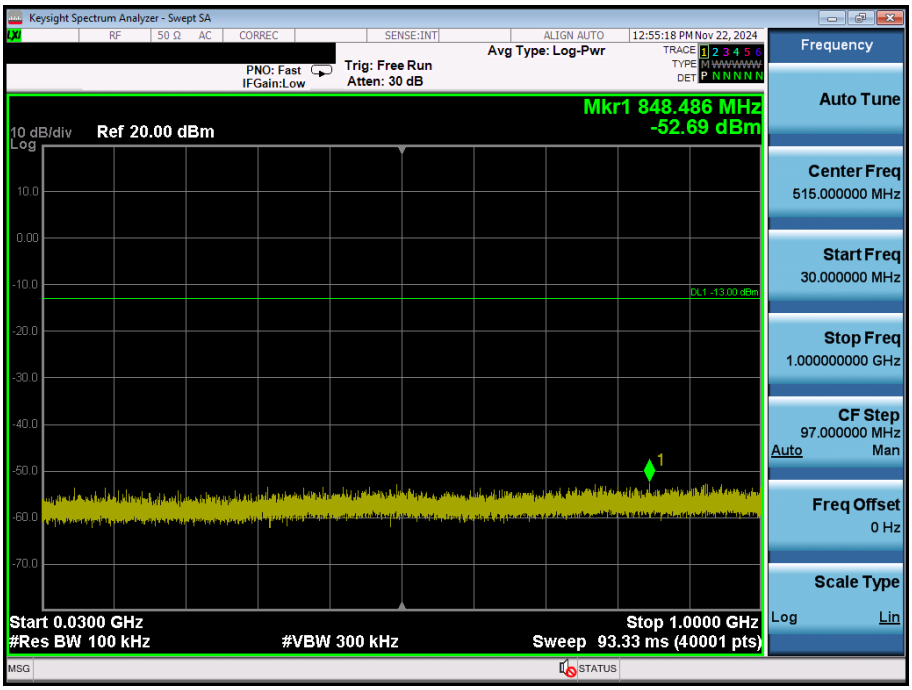
- **FCC(3 700~3 980)**



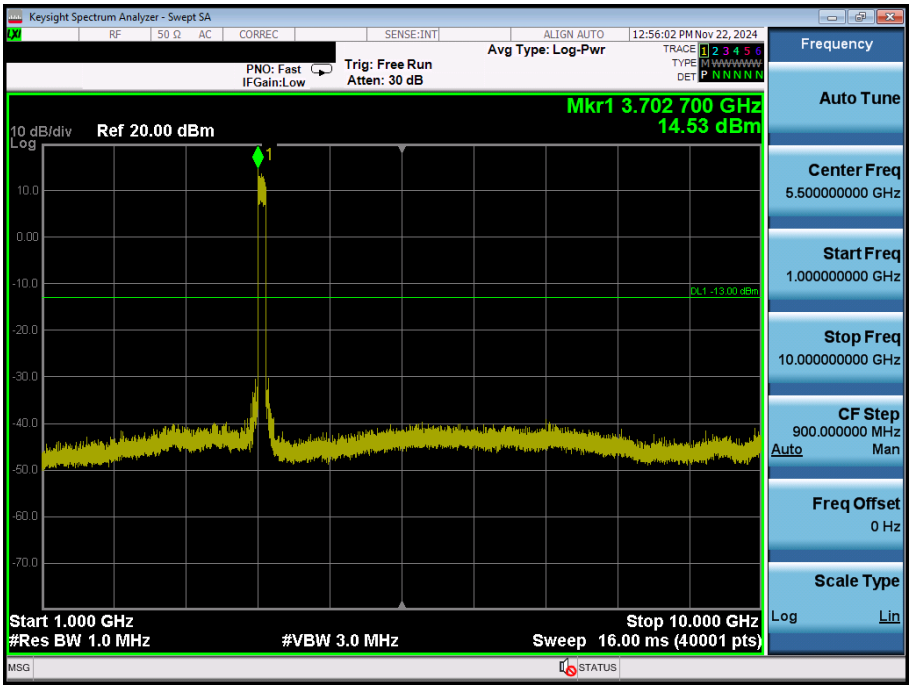

NR Band n77 / 100 MHz / DFT-s-BPSK - RB Size Full – Low Channel



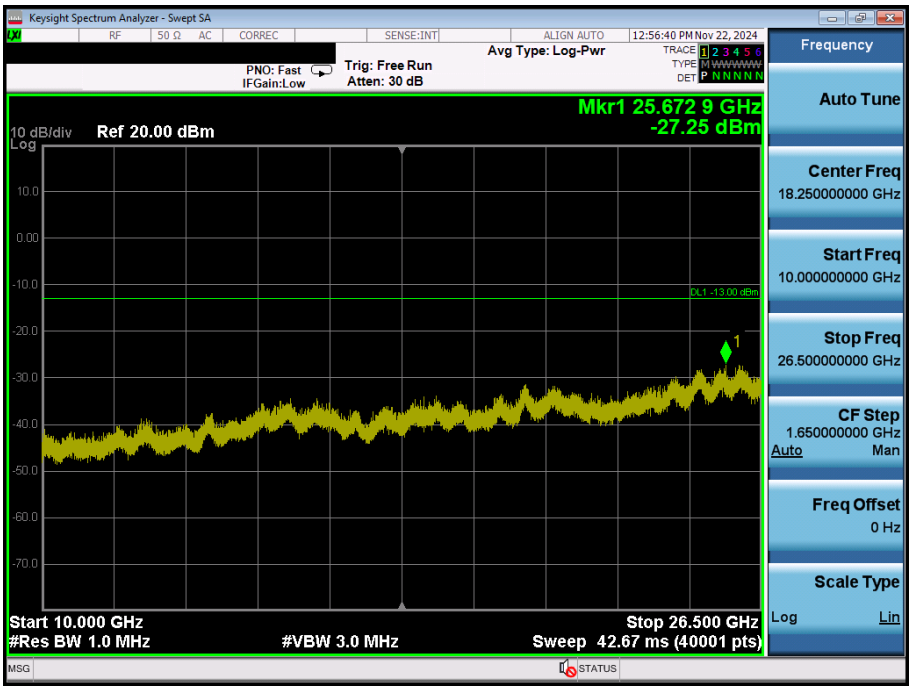

NR Band n77 / 100 MHz / DFT-s-BPSK - RB Size Full – Low Channel



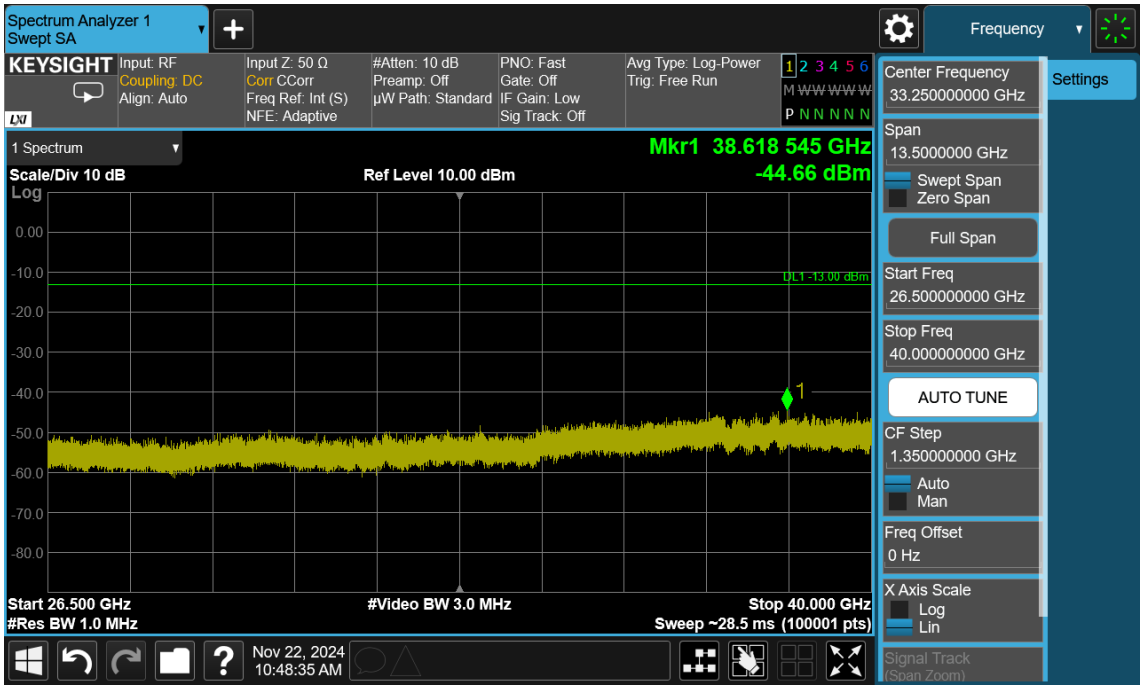

NR Band n77 / 100 MHz / DFT-s-BPSK - RB Size Full – Low Channel




NR Band n77 / 100 MHz / DFT-s-BPSK - RB Size Full – Low Channel




NR Band n77 / 100 MHz / DFT-s-BPSK - RB Size Full – Low Channel




NR Band n77 / 100 MHz / DFT-s-BPSK - RB Size Full – Low Channel