



# FCC RADIO TEST REPORT

**FCC ID** : O57FLEX5G14X05  
**Equipment** : Notebook Computer  
**Brand Name** : Lenovo  
**Model Name** : Lenovo Flex 5G 14Q8CX05\*\*\*\*\*, 82AK\*\*\*\*\*, Yoga 5G 14Q8CX05\*\*\*\*\*, 81XE\*\*\*\*\* (\* = 0~9, A~Z, a~z, “-“ or blank, for marketing use only, with no impact on RF compliance of the product)  
**Applicant** : Lenovo (Shanghai) Electronics Technology Co., Ltd.  
Section 304-305, Building No. 4, # 222, Meiyue Road, China  
(Shanghai) Pilot Free Trade Zone, Shanghai  
**Manufacturer** : Lenovo PC HK Limited  
23/F, Lincoln House, Taikoo Place, 979 King's Road, Quarry Bay, Hong Kong  
**Standard** : FCC 47 CFR Part 2, and 30

Equipment: Murata LBDD5WV1US-575 and HON LIN T99W175 tested inside of Lenovo Notebook Computer.

The product was received on Nov. 27, 2019 and testing was started from Feb. 03, 2020 and completed on Mar. 13, 2020. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures ANSI C63.26-2015 and has been in compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: William Chen

**SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory**  
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan



## Table of Contents

|                                                           |           |
|-----------------------------------------------------------|-----------|
| History of this test report.....                          | 3         |
| Summary of Test Result.....                               | 4         |
| <b>1 General Description .....</b>                        | <b>5</b>  |
| 1.1 Feature of Equipment Under Test.....                  | 5         |
| 1.2 Product Specification of Equipment Under Test .....   | 5         |
| 1.3 Modification of EUT .....                             | 6         |
| 1.4 Testing Location .....                                | 6         |
| 1.5 Applied Standards .....                               | 6         |
| <b>2 Test Configuration of Equipment Under Test .....</b> | <b>7</b>  |
| 2.1 Test Mode.....                                        | 7         |
| 2.2 Connection Diagram of Test System .....               | 8         |
| 2.3 Support Unit used in test configuration .....         | 8         |
| 2.4 Measurement Results Explanation Example .....         | 8         |
| 2.5 Far Field Condition for Frequency above 18GHz.....    | 9         |
| 2.6 Frequency List of Low/Middle/High Channels.....       | 9         |
| <b>3 Radiated Test Items .....</b>                        | <b>10</b> |
| 3.1 Measuring Instruments.....                            | 10        |
| 3.2 Test Setup .....                                      | 10        |
| 3.3 Test Result of Radiated Test.....                     | 12        |
| 3.4 EIRP Measurement .....                                | 13        |
| 3.5 Occupied Bandwidth .....                              | 14        |
| 3.6 Radiated Spurious Emission Measurement.....           | 15        |
| 3.7 Frequency Stability Measurement.....                  | 16        |
| <b>4 List of Measuring Equipment.....</b>                 | <b>17</b> |
| <b>5 Uncertainty of Evaluation.....</b>                   | <b>18</b> |
| <b>Appendix A. Test Results of EIRP and Radiated Test</b> |           |
| <b>Appendix B. Test Setup Photos</b>                      |           |
| <b>Appendix C. R&amp;S Mixer Certificate</b>              |           |



## History of this test report

| Report No. | Version | Description                                                                                                                                                                           | Issued Date   |
|------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| FG9N2705H  | 01      | Initial issue of report                                                                                                                                                               | Feb. 18, 2020 |
| FG9N2705H  | 02      | 1. Adding out of band emission plots for 1 RB in appendix A<br>2. Revise the test procedures of radiated spurious emission measurement<br>3. Adding test result of modulation CP-OFDM | Mar. 13, 2020 |
|            |         |                                                                                                                                                                                       |               |
|            |         |                                                                                                                                                                                       |               |
|            |         |                                                                                                                                                                                       |               |
|            |         |                                                                                                                                                                                       |               |
|            |         |                                                                                                                                                                                       |               |
|            |         |                                                                                                                                                                                       |               |
|            |         |                                                                                                                                                                                       |               |
|            |         |                                                                                                                                                                                       |               |
|            |         |                                                                                                                                                                                       |               |
|            |         |                                                                                                                                                                                       |               |

## Summary of Test Result

| Report Clause | Ref Std. Clause    | Test Items                                    | Limit                   | Result (PASS/FAIL) | Remark |
|---------------|--------------------|-----------------------------------------------|-------------------------|--------------------|--------|
| 3.4           | §2.1046<br>§30.202 | EIRP Measurement                              | +43dBm                  | Pass               | -      |
| 3.5           | §2.1049            | Occupied Bandwidth                            | Not Applicable          | Reporting only     | -      |
| 3.6           | §2.1053<br>§30.203 | Radiated Spurious Emission                    | -5dBm/MHz<br>-13dBm/MHz | Pass               | -      |
| 3.7           | §2.1055            | Frequency Stability for Temperature & Voltage | Within the band         | Pass               | -      |

**Declaration of Conformity:**

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

**Comments and Explanations:**

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

**Reviewed by:** Yung Hsu

**Report Producer:** Dara Chiu

# 1 General Description

## 1.1 Feature of Equipment Under Test

| Product Feature                 |                                                                                                                                                                                     |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Equipment                       | Notebook Computer                                                                                                                                                                   |
| Brand Name                      | Lenovo                                                                                                                                                                              |
| Model Name                      | Lenovo Flex 5G 14Q8CX05*****, 82AK*****, Yoga 5G 14Q8CX05*****, 81XE***** (* = 0~9, A~Z, a~z, "-" or blank, for marketing use only, with no impact on RF compliance of the product) |
| FCC ID                          | O57FLEX5G14X05                                                                                                                                                                      |
| EUT supports Radios application | WCDMA/HSPA/LTE/5G NR/RFID/GNSS<br>WLAN 11a/b/g/n HT20/HT40<br>WLAN 11ac VHT20/VHT40/VHT80<br>Bluetooth BR/EDR/LE                                                                    |
| EUT Stage                       | Production Unit                                                                                                                                                                     |

**Remark:**

1. The above EUT's information was declared by manufacturer.
2. Equipment: Murata LBDD5WV1US-575 and HON LIN T99W175 tested inside of Lenovo Notebook Computer.

## 1.2 Product Specification of Equipment Under Test

| Product Specification subjective to this standard |                                                                                                                                                                          |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Device Category in Part 30                        | Mobile station                                                                                                                                                           |
| Tx Frequency                                      | NR band n260: 37GHz ~ 40GHz<br>NR band n261: 27.5GHz ~ 28.35GHz                                                                                                          |
| Rx Frequency                                      | NR band n260: 37GHz ~ 40GHz<br>NR band n261: 27.5GHz ~ 28.35GHz                                                                                                          |
| Support Bandwidth                                 | NR band n260: 50 MHz and 100 MHz<br>NR band n261: 50 MHz and 100 MHz                                                                                                     |
| Maximum Number of contiguous CC                   | 4                                                                                                                                                                        |
| Maximum Aggregated Bandwidth                      | 400MHz                                                                                                                                                                   |
| Maximum Output Power (EIRP)                       | NR band n260:<br>Module 0: 25.23 dBm<br>Module 1: 23.17 dBm<br>Module 2: 24.30 dBm<br>NR band n261:<br>Module 0: 25.08 dBm<br>Module 1: 24.96 dBm<br>Module 2: 23.39 dBm |
| Type of Modulation                                | CP-OFDM: QPSK / 16QAM / 64QAM<br>DFT-s-OFDM: Pi/2-BPSK / QPSK / 16QAM / 64QAM                                                                                            |

Note: Highest EIRP was measured on Module 1, dual beam case.

### 1.3 Modification of EUT

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

### 1.4 Testing Location

|                              |                                                                                                              |              |             |          |
|------------------------------|--------------------------------------------------------------------------------------------------------------|--------------|-------------|----------|
| <b>Test Site</b>             | SPORTON INTERNATIONAL INC.                                                                                   |              |             |          |
| <b>Test Site Location</b>    | No.52, Huaya 1st Rd., Guishan Dist.,<br>Taoyuan City, Taiwan<br>TEL: +886-3-327-3456<br>FAX: +886-3-328-4978 |              |             |          |
| <b>Test Site Information</b> | Site No.                                                                                                     | Engineer     | Temperature | Humidity |
|                              | TH02-HY                                                                                                      | Chester Chen | 20~22°C     | 43~45 %  |

|                              |                                                                                                                                  |          |             |          |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------|-------------|----------|
| <b>Test Site</b>             | SPORTON INTERNATIONAL INC.                                                                                                       |          |             |          |
| <b>Test Site Location</b>    | No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist.,<br>Taoyuan City, Taiwan<br>TEL: +886-3-327-0868<br>FAX: +886-3-327-0855 |          |             |          |
| <b>Test Site Information</b> | Site No.                                                                                                                         | Engineer | Temperature | Humidity |
|                              | 03CH10-HY                                                                                                                        | Yu Wang  | 20~22°C     | 45~47 %  |
|                              | 03CH18-HY                                                                                                                        | Yu Wang  | 20~22°C     | 47~48 %  |

FCC Designation No. TW1190 and TW0007

### 1.5 Applied Standards

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

- ♦ FCC 47 CFR Part 2, 30
- ♦ ANSI C63.26-2015
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 842590 D01 Upper Microwave Flexible Use Service v01

**Remark:**

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

## 2 Test Configuration of Equipment Under Test

EUT has total 3 millimeter wave antenna modules and up to 2 beams operation for each module.

Any antenna module cannot transmit simultaneously with the other antenna modules.

Preliminary EIRP test was performed for all beam configurations in the anechoic chamber at the manufacturer's facility so the EIRP worst case beam-pair were identified.

EIRP was investigated that the dual beam rated maximum EIRP is higher than single beam.

EUT configured to transmit dual beam at the same time.

The NR radio operation is controlled via software tool QRCT FTM mode (Factory mode).

The EUT is forced to operate continuously (100% duty cycle) with maximum output power.

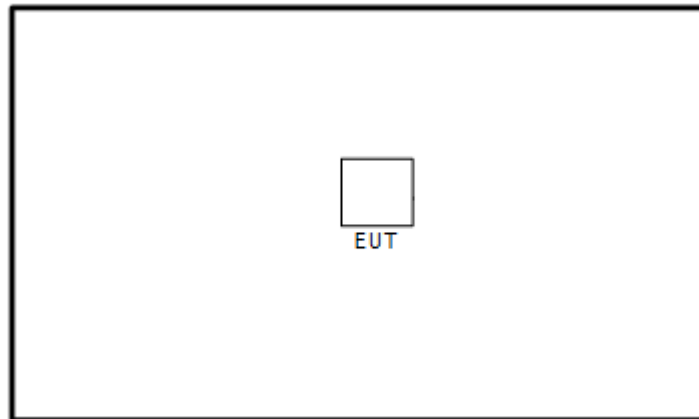
There are two setup configurations for the device, Notebook mode and Tablet mode, both modes are investigated and only the worst case is reported in the test report.

### 2.1 Test Mode

For radiated measurement, the pre-scan is performed to find the worst cases EUT position.

| Test Items                   | Band                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Bandwidth (MHz) |     |     | Modulation<br>DFT-s-OFDM<br>CP-OFDM |       |       | RB # |   |      | Test Channel |   |   |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----|-----|-------------------------------------|-------|-------|------|---|------|--------------|---|---|
|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 50              | 100 | 400 | QPSK                                | 16QAM | 64QAM | 1    | - | Full | L            | M | H |
| EIRP                         | n260<br>n261                                                                                                                                                                                                                                                                                                                                                                                                                                                | v               | v   | v   | v                                   | v     | v     | v    |   | v    | v            | v | v |
| 99%<br>Occupied<br>Bandwidth | n260<br>n261                                                                                                                                                                                                                                                                                                                                                                                                                                                | v               | v   | v   | v                                   | v     | v     |      |   | v    | v            | v | v |
| Out of Band<br>Emission      | n260<br>n261                                                                                                                                                                                                                                                                                                                                                                                                                                                | v               | v   | v   | v                                   | v     | v     | v    |   | v    | v            |   | v |
| Spurious<br>Emission         | n260<br>n261                                                                                                                                                                                                                                                                                                                                                                                                                                                | v               | v   | v   | v                                   |       |       | v    |   |      | v            | v | v |
| Frequency<br>Stability       | n260<br>n261                                                                                                                                                                                                                                                                                                                                                                                                                                                | CW tone         |     |     |                                     |       |       |      |   |      |              | v |   |
| Remark                       | 1. The mark “v” means that this configuration is chosen for testing<br>2. The device is investigated from 30MHz to 100GHz of fundamental signal for radiated spurious emission test under different RB size and modulations in exploratory test. Subsequently, only the worst case emissions are reported.<br>3. All the radiated test cases were performed with built-in battery.<br>4. The out of band and spurious emission were measured radiated EIRP. |                 |     |     |                                     |       |       |      |   |      |              |   |   |

## 2.2 Connection Diagram of Test System



## 2.3 Support Unit used in test configuration

| Item | Equipment | Trade Name | Model No. | FCC ID | Data Cable | Power Cord |
|------|-----------|------------|-----------|--------|------------|------------|
| 1.   | Notebook  | Dell       | N/A       | N/A    | N/A        | N/A        |

## 2.4 Measurement Results Explanation Example

According to ANSI C63.26-2015 Section 5.2.7

$$\text{EIRP (dBm)} = \text{E(dBuV/m)} + 20\log(D) - 104.8.$$

where D is the measurement distance (in the far field region) in m.

$$\text{E (dBuV/m)} = \text{Spectrum Reading Level (dBm)} + \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107$$

Hence, the spectrum analyzer *Offset* is derived including RF cable loss and antenna factor.

$$\text{Offset} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8$$

The conversion loss of RF mixer is also included by the mixer table of spectrum analyzer when measurement frequency is above 40GHz.

Example :

$$\begin{aligned}
 \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\
 &= 42.3 + 3.0 + 107 + 20\log(1) - 104.8 \\
 &= 47.5 \text{ (dB)}
 \end{aligned}$$

## 2.5 Far Field Condition for Frequency above 18GHz

| Horn Antenna | Frequency (GHz) | Antenna Dimension A (mm) | Wavelength ( $\lambda$ ) (m) | Far field R (m)<br>$\geq 2A^2 / \lambda$ | Measurement Distance (D) (m) | Distance Factor<br>$20\log(D)$ (dB) |
|--------------|-----------------|--------------------------|------------------------------|------------------------------------------|------------------------------|-------------------------------------|
| BBHA 9170    | 18              | 60                       | 0.0167                       | 0.43                                     | 1                            | 0.00                                |
|              | 40              | 60                       | 0.0075                       | 0.96                                     |                              |                                     |
| QWH-UPRR00   | 40              | 48                       | 0.0075                       | 0.61                                     | 1                            | 0.00                                |
|              | 60              | 48                       | 0.0050                       | 0.92                                     |                              |                                     |
| QWH-EPRR00   | 60              | 31                       | 0.0050                       | 0.38                                     | 1                            | 0.00                                |
|              | 90              | 31                       | 0.0033                       | 0.58                                     |                              |                                     |
| QWH-FPRR00   | 90              | 21                       | 0.0033                       | 0.26                                     | 1                            | 0.00                                |
|              | 140             | 21                       | 0.0021                       | 0.41                                     |                              |                                     |
| QWH-GPRR00   | 140             | 15                       | 0.0021                       | 0.21                                     | 0.5                          | -6.02                               |
|              | 220             | 15                       | 0.0014                       | 0.33                                     |                              |                                     |

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

| NR Band n260 Channel and Frequency List |                        |        |        |         |
|-----------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                                | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 50                                      | Frequency              | 37025  | 38500  | 39975   |
| 100                                     | Frequency              | 37050  | 38500  | 39950   |
| 400                                     | Frequency 1            | 37050  | 38350  | 39650   |
|                                         | Frequency 2            | 37150  | 38450  | 39750   |
|                                         | Frequency 3            | 37250  | 38550  | 39850   |
|                                         | Frequency 4            | 37350  | 38650  | 39950   |

| NR Band n261 Channel and Frequency List |                        |        |        |         |
|-----------------------------------------|------------------------|--------|--------|---------|
| BW [MHz]                                | Channel/Frequency(MHz) | Lowest | Middle | Highest |
| 50                                      | Frequency              | 27525  | 27925  | 28325   |
| 100                                     | Frequency              | 27550  | 27925  | 28300   |
| 400                                     | Frequency 1            | 27550  | 27775  | 28000   |
|                                         | Frequency 2            | 27650  | 27875  | 28100   |
|                                         | Frequency 3            | 27750  | 27975  | 28200   |
|                                         | Frequency 4            | 27850  | 28075  | 28300   |

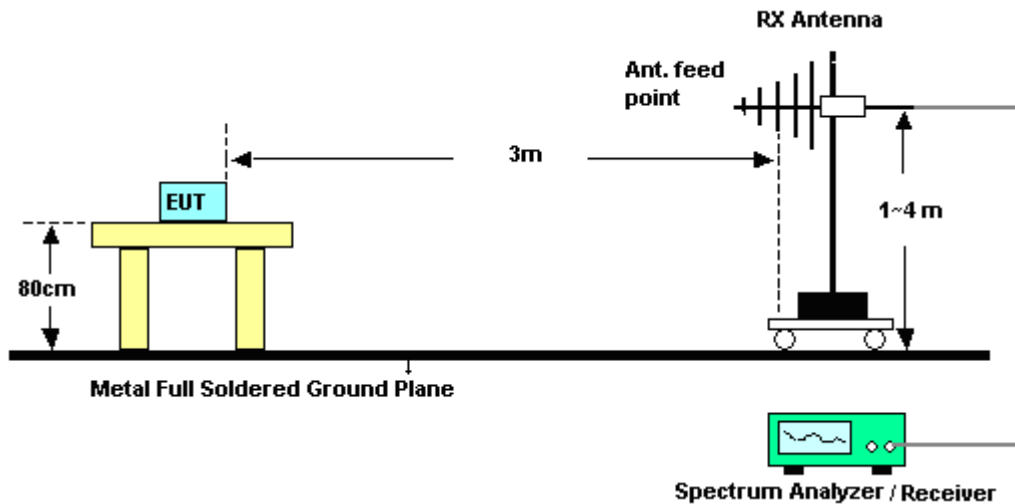
### 3 Radiated Test Items

#### 3.1 Measuring Instruments

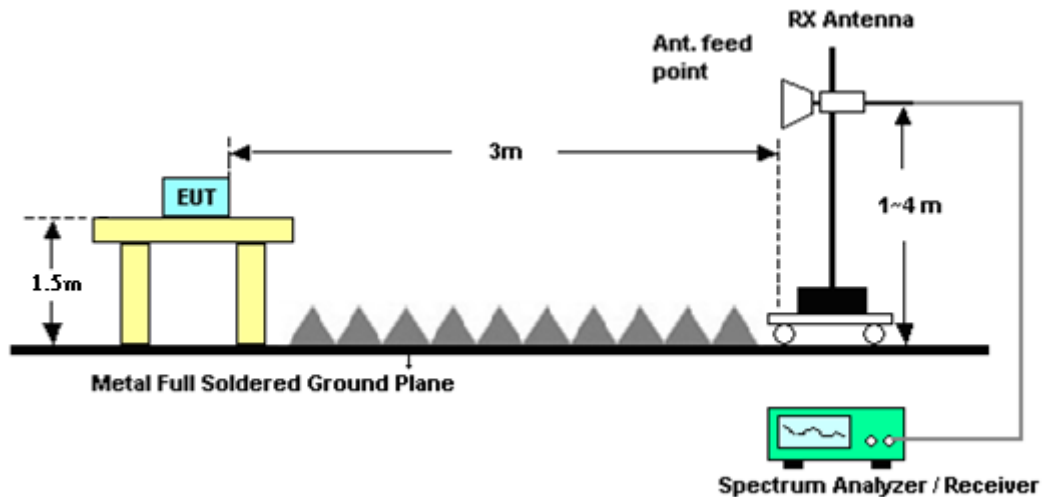
See list of measuring instruments of this test report.

#### 3.2 Test Setup

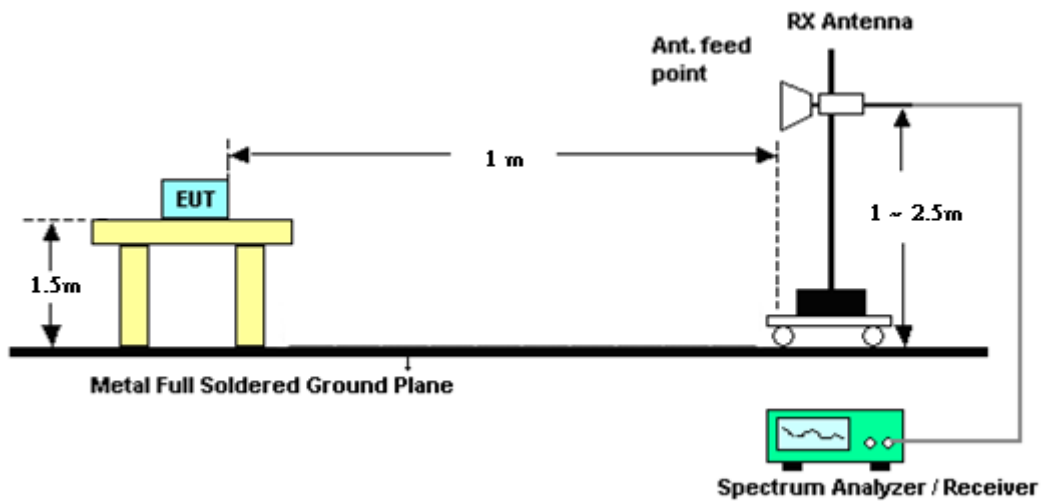
For radiated emissions from 30MHz to 1GHz



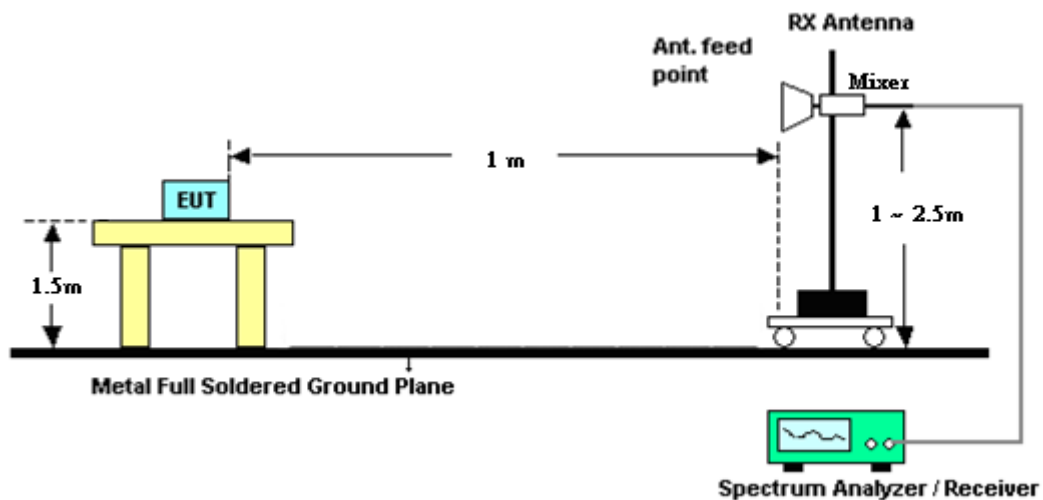
For radiated emissions 1GHz to 18GHz



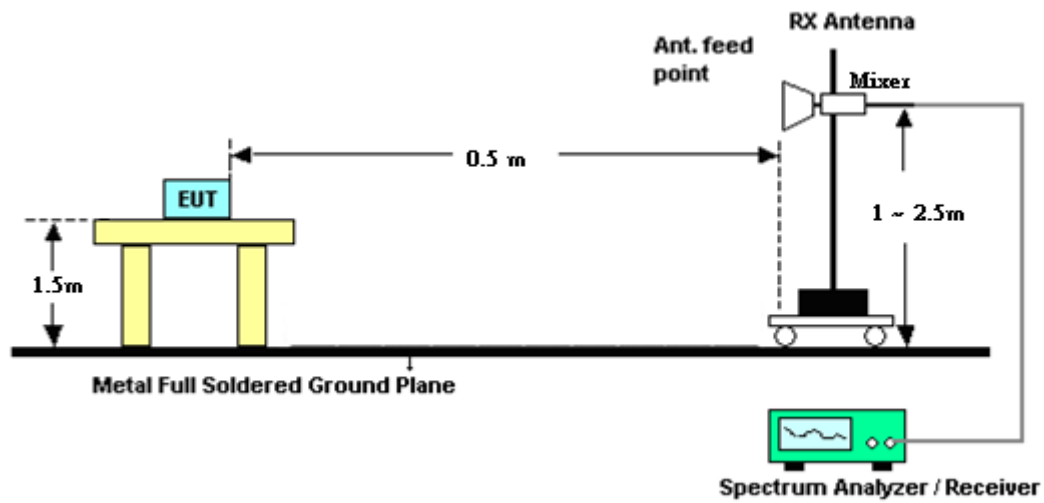
For radiated emissions above 18GHz up to 40GHz



For radiated emissions above 40GHz up to 140GHz



For radiated emissions above 140GHz up to 200GHz



### 3.3 Test Result of Radiated Test

Please refer to Appendix A.

### 3.4 EIRP Measurement

#### 3.4.1 Description of EIRP Measurement

For mobile stations, the average power of the sum of all antenna elements is limited to a maximum EIRP of +43 dBm.

#### 3.4.2 Test Procedures

1. Set EUT at maximum output power.
2. Select lowest, middle, and highest channels for each band and different modulation.
3. Enable channel power function of spectrum analyzer
4. Set frequency would like to be investigated.
5. Set Detector = RMS
6. Set Trace mode = trace average
7. Set Sweep time = auto couple
8. Set sweep points  $\geq 2 \times \text{Span/RBW}$
9. Set sweep count 100 and wait until the trace to be stabilized
10. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
11. Measure and record the power level from the spectrum analyzer.
12. The test result is calculated according to

ANSI C63.26-2015 Section 5.2.7

$\text{EIRP (dBm)} = \text{E(dBuV/m)} + 20\log(D) - 104.8.$

where D is the measurement distance (in the far field region) in m.

$\text{E (dBuV/m)} = \text{Spectrum Level (dBm)} + \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107$

That is, set the spectrum offset including sum of

$\text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8$

## 3.5 Occupied Bandwidth

### 3.5.1 Description of Occupied Bandwidth Measurement

This is for reporting only.

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

### 3.5.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.4.4

1. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency.  
The span range for the spectrum analyzer shall be at least 1.5 times the anticipated OBW.
2. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
3. Set the detection mode to peak, and the trace mode to max hold.
4. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

## 3.6 Radiated Spurious Emission Measurement

### 3.6.1 Description of Radiated Spurious Emission Measurement

The spectrum is scanned from 30 MHz up to 200GHz.

The conductive power or the total radiated power of any emission outside a licensee's frequency block shall be -13 dBm/MHz or lower. However, in the bands immediately outside and adjacent to the licensee's frequency block, having a bandwidth equal to 10 percent of the channel bandwidth, the conductive power or the total radiated power of any emission shall be -5 dBm/MHz or lower.

### 3.6.2 Test Procedures

1. Set EUT at maximum output power..
2. Select lowest, middle, and highest channels for each band and different modulation.
3. Measure and record the power level from the spectrum analyzer.
4. Set frequency would like to be investigated.
5. Set Detector = RMS
6. Set Trace mode = trace average
7. Set Sweep time = auto couple
8. Set sweep points  $\geq 2 \times \text{Span/RBW}$
9. Set sweep count 100 and wait until the trace to be stabilized
10. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
11. For measurement frequency from 30MHz to 18GHz,  
An antenna was substituted in place of the EUT and was driven by a signal generator.  
Tune the output power of signal generator to the same emission level with EUT maximum spurious emission. Take record of output power and repeat for another polarization.
12. For measurement frequency above 18GHz,  
the test result is calculated according to  
ANSI C63.26-2015 Section 5.2.7 and 5.7.3 and 5.7.4  
$$\text{EIRP (dBm)} = \text{E(dBuV/m)} + 20\log(D) - 104.8.$$
where D is the measurement distance (in the far field region) in m.  
$$\text{E (dBuV/m)} = \text{Spectrum Level (dBm)} + \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107$$
That is, set the spectrum offset including sum of  
$$\text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8$$
13. The conversion loss of RF mixer is also included in conversion loss table of the spectrum analyzer when measurement frequency is above 40GHz.

## 3.7 Frequency Stability Measurement

### 3.7.1 Description of Frequency Stability Measurement

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

### 3.7.2 Test Procedures for Temperature Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.

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

### 3.7.3 Test Procedures for Voltage Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.

1. The EUT was placed in a temperature chamber at 20° C.
2. The power supply voltage to the EUT was varied from the lowest to the highest operation range.
3. The variation in frequency was measured for the worst case.



## 4 List of Measuring Equipment

| Instrument               | Manufacturer      | Model No.                       | Serial No.                                    | Characteristics                  | Calibration Date | Test Date                       | Due Date      | Remark                   |
|--------------------------|-------------------|---------------------------------|-----------------------------------------------|----------------------------------|------------------|---------------------------------|---------------|--------------------------|
| Amplifier                | SONOMA            | 310N                            | 187311                                        | 9kHz~1GHz                        | Oct. 22, 2019    | Jan. 17, 2020~<br>Feb. 10, 2020 | Oct. 21, 2020 | Radiation<br>(03CH10-HY) |
| Loop Antenna             | Rohde & Schwarz   | HFH2-Z2                         | 100488                                        | 9 kHz~30 MHz                     | Jan. 09, 2020    | Jan. 17, 2020~<br>Feb. 10, 2020 | Jan. 08, 2021 | Radiation<br>(03CH10-HY) |
| Bilog Antenna            | TESEQ             | CBL<br>6111D&00800<br>N1D01N-06 | 35413 & 02                                    | 30MHz~1GHz                       | Feb. 12, 2019    | Jan. 17, 2020~<br>Feb. 10, 2020 | Feb. 11, 2020 | Radiation<br>(03CH10-HY) |
| Horn Antenna             | SCHWARZBECK       | BBHA 9120 D                     | 9120D-1325                                    | 1GHz ~ 18GHz                     | Oct. 09, 2019    | Jan. 17, 2020~<br>Feb. 10, 2020 | Oct. 08, 2020 | Radiation<br>(03CH10-HY) |
| Preamplifier             | Jet-Power         | JAP00101800-<br>30-10P          | 16011855000<br>4                              | 1GHz~18GHz                       | Sep. 27, 2019    | Jan. 17, 2020~<br>Feb. 10, 2020 | Sep. 26, 2020 | Radiation<br>(03CH10-HY) |
| Spectrum Analyzer        | Rohde & Schwarz   | FSV40                           | 101564                                        | 10Hz~40GHz                       | Jul. 17, 2019    | Jan. 17, 2020~<br>Feb. 10, 2020 | Jul. 16, 2020 | Radiation<br>(03CH10-HY) |
| Controller               | EMEC              | EM 1000                         | N/A                                           | Control Turn<br>table & Ant Mast | N/A              | Jan. 17, 2020~<br>Feb. 10, 2020 | N/A           | Radiation<br>(03CH10-HY) |
| Antenna Mast             | EMEC              | AM-BS-4500-B                    | N/A                                           | 1~4m                             | N/A              | Jan. 17, 2020~<br>Feb. 10, 2020 | N/A           | Radiation<br>(03CH10-HY) |
| Turn Table               | EMEC              | TT 2200                         | N/A                                           | 0~360 Degree                     | N/A              | Jan. 17, 2020~<br>Feb. 10, 2020 | N/A           | Radiation<br>(03CH10-HY) |
| Software                 | Audix             | E3<br>6.2009-8-24               | RK-001042                                     | N/A                              | N/A              | Jan. 17, 2020~<br>Feb. 10, 2020 | N/A           | Radiation<br>(03CH10-HY) |
| RF Cable                 | HUBER +<br>SUHNER | SUCOFLEX<br>104 / 102           | MY11692/4P<br>E,<br>MY11693/4P<br>E, MY2855/2 | 30MHz~1GHz                       | Nov. 07, 2019    | Jan. 17, 2020~<br>Feb. 10, 2020 | Nov. 06, 2020 | Radiation<br>(03CH10-HY) |
| RF Cable                 | HUBER +<br>SUHNER | SUCOFLEX<br>104 / 102           | MY11692/4P<br>E,<br>MY11693/4P<br>E, MY2855/2 | 1GHz~18GHz                       | Nov. 07, 2019    | Jan. 17, 2020~<br>Feb. 10, 2020 | Nov. 06, 2020 | Radiation<br>(03CH10-HY) |
| SHF-EHF Horn<br>Antenna  | SCHWARZBECK       | BBHA 9170                       | BBHA917025<br>1                               | 18GHz~40GHz                      | Nov. 26, 2019    | Jan. 17, 2020~<br>Mar. 13, 2020 | Nov. 25, 2020 | Radiation<br>(03CH18-HY) |
| Signal<br>Analyzer       | Rohde & Schwarz   | FSV3044                         | 101010                                        | 10Hz~44GHz                       | Nov. 11, 2019    | Jan. 17, 2020~<br>Mar. 13, 2020 | Nov. 10, 2020 | Radiation<br>(03CH18-HY) |
| Spectrum<br>Analyzer     | Rohde & Schwarz   | FSV40                           | 101564                                        | 10Hz~40GHz                       | Jul. 17, 2019    | Jan. 17, 2020~<br>Mar. 13, 2020 | Jul. 16, 2020 | Radiation<br>(03CH18-HY) |
| RF Cable                 | HUBER +<br>SUHNER | SF102/2*11SK<br>252             | MY4278/2                                      | 9kHz~40GHz                       | May. 16, 2019    | Jan. 17, 2020~<br>Mar. 13, 2020 | May. 15, 2020 | Radiation<br>(03CH18-HY) |
| *Mixer                   | Rohde & Schwarz   | FS-Z60                          | 100986                                        | 40 ~ 60 GHz                      | Oct. 31, 2018    | Jan. 17, 2020~<br>Mar. 13, 2020 | Oct. 30, 2021 | Radiation<br>(03CH18-HY) |
| *Mixer                   | Rohde & Schwarz   | FS-Z90                          | 101811                                        | 60 ~ 90 GHz                      | Jul. 16, 2018    | Jan. 17, 2020~<br>Mar. 13, 2020 | Jul. 16, 2021 | Radiation<br>(03CH18-HY) |
| *Mixer                   | Rohde & Schwarz   | FS-Z140                         | 101128                                        | 90 ~ 140 GHz                     | Sep. 03, 2018    | Jan. 17, 2020~<br>Mar. 13, 2020 | Sep. 02, 2021 | Radiation<br>(03CH18-HY) |
| *Mixer                   | Rohde & Schwarz   | FS-Z220                         | 101014                                        | 140 ~ 220 GHz                    | Aug. 28, 2018    | Jan. 17, 2020~<br>Mar. 13, 2020 | Aug. 27, 2021 | Radiation<br>(03CH18-HY) |
| Standard Horn<br>Antenna | Quinstar          | QWH-UPRR00                      | 923600007                                     | 40 ~ 60 GHz                      | Aug. 17, 2018    | Jan. 17, 2020~<br>Mar. 13, 2020 | Aug. 16, 2021 | Radiation<br>(03CH18-HY) |
| Standard Horn<br>Antenna | Quinstar          | QWH-EPRR00                      | 784600034                                     | 60 ~ 90 GHz                      | Aug. 17, 2018    | Jan. 17, 2020~<br>Mar. 13, 2020 | Aug. 16, 2021 | Radiation<br>(03CH18-HY) |
| Standard Horn<br>Antenna | Quinstar          | QWH-FPRR00                      | 923800008                                     | 90 ~ 140 GHz                     | Aug. 17, 2018    | Jan. 17, 2020~<br>Mar. 13, 2020 | Aug. 16, 2021 | Radiation<br>(03CH18-HY) |
| Standard Horn<br>Antenna | Quinstar          | QWH-GPRR00                      | 923900001                                     | 140 ~ 220 GHz                    | Aug. 17, 2018    | Jan. 17, 2020~<br>Mar. 13, 2020 | Aug. 16, 2021 | Radiation<br>(03CH18-HY) |
| Spectrum<br>Analyzer     | Rohde & Schwarz   | FSV40                           | 101565                                        | 9kHz~40GHz                       | Jul. 12, 2019    | Jan. 17, 2020~<br>Feb. 12, 2020 | Jul. 11, 2020 | Thermal<br>(TH02-HY)     |
| Thermal<br>Chamber       | Ten Billion       | TTH-D3SP                        | TBN-930701                                    | N/A                              | Jul. 26, 2019    | Jan. 17, 2020~<br>Feb. 12, 2020 | Jul. 25, 2020 | Thermal<br>(TH02-HY)     |

Note: (\*) Equipment manufacturer's Calibration Certificate.

## 5 Uncertainty of Evaluation

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

|                                                                         |      |
|-------------------------------------------------------------------------|------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 3.37 |
|-------------------------------------------------------------------------|------|

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

|                                                                         |      |
|-------------------------------------------------------------------------|------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 3.67 |
|-------------------------------------------------------------------------|------|

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

|                                                                         |      |
|-------------------------------------------------------------------------|------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 4.03 |
|-------------------------------------------------------------------------|------|

### Uncertainty of Radiated Emission Measurement (40 GHz ~ 140 GHz)

|                                                                         |      |
|-------------------------------------------------------------------------|------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 5.80 |
|-------------------------------------------------------------------------|------|

### Uncertainty of Radiated Emission Measurement (140 GHz ~ 200 GHz)

|                                                                         |      |
|-------------------------------------------------------------------------|------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 6.80 |
|-------------------------------------------------------------------------|------|



## Appendix A. Test Results of EIRP and Radiated Test

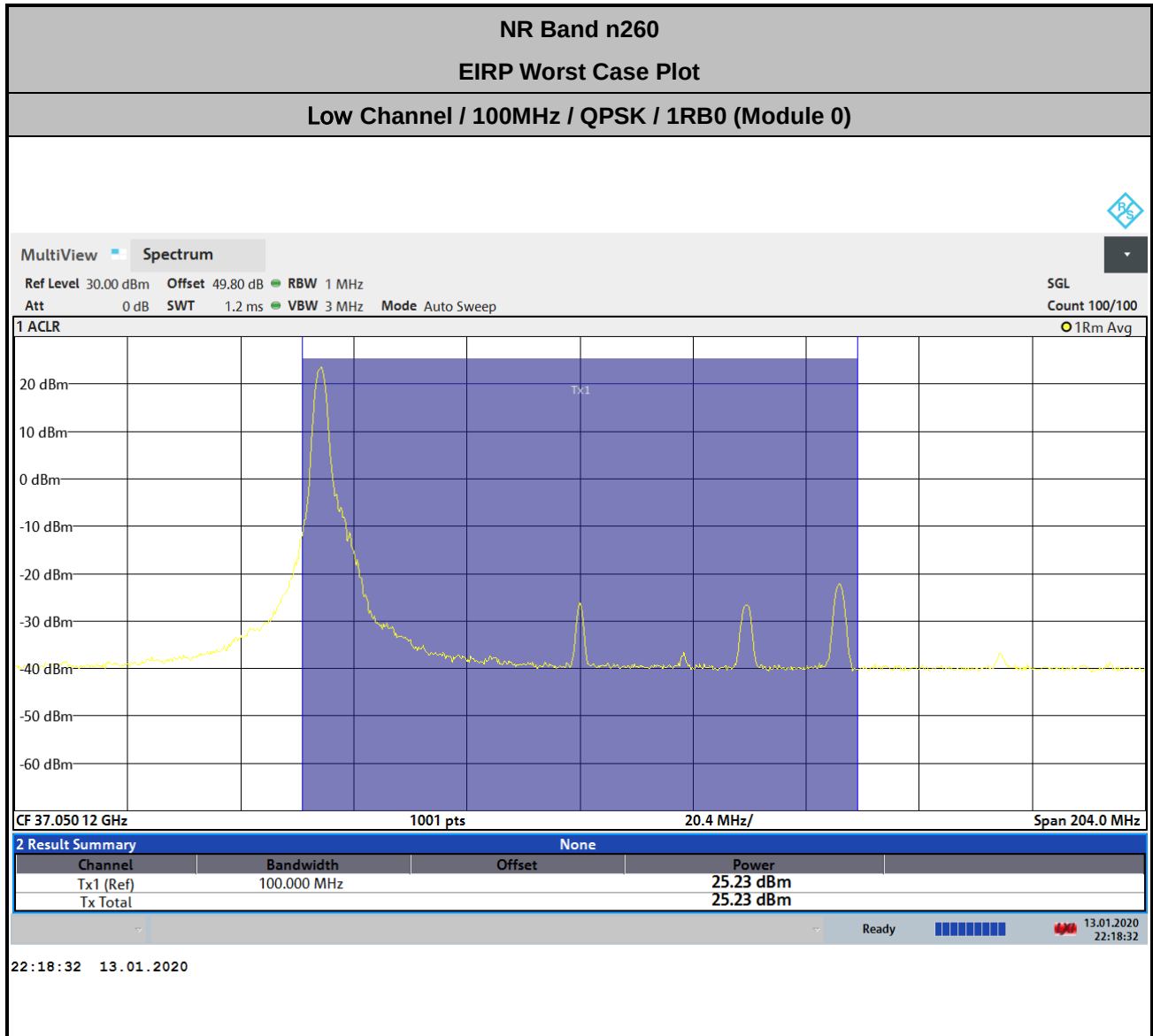
### EIRP Power(Average power)

#### DFT-s-OFDM

| NR Band n260 Module 0      |         |           |        |        |        |         |
|----------------------------|---------|-----------|--------|--------|--------|---------|
| Maximum Average EIRP [dBm] |         |           |        |        |        |         |
| BW [MHz]                   | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 50                         | 1       | 0         | QPSK   | 25.13  | 24.68  | 22.65   |
| 50                         | 32      | 0         |        | 24.34  | 24.55  | 23.11   |
| 50                         | 1       | 0         | 16-QAM | 23.00  | 22.00  | 20.74   |
| 50                         | 32      | 0         |        | 22.87  | 23.53  | 22.32   |
| 50                         | 1       | 0         | 64-QAM | 19.64  | 19.91  | 20.12   |
| 50                         | 32      | 0         |        | 19.44  | 19.81  | 19.59   |
| 100                        | 1       | 0         | QPSK   | 25.23  | 24.69  | 24.77   |
| 100                        | 64      | 0         |        | 24.54  | 24.21  | 23.57   |
| 100                        | 1       | 0         | 16-QAM | 22.23  | 21.44  | 20.62   |
| 100                        | 64      | 0         |        | 22.00  | 21.85  | 20.66   |
| 100                        | 1       | 0         | 64-QAM | 19.36  | 19.54  | 19.21   |
| 100                        | 64      | 0         |        | 18.80  | 19.26  | 19.18   |
| 400                        | 64      | 0         | QPSK   | 20.81  | 21.33  | 19.68   |
| 400                        | 64      | 0         | 16-QAM | 19.80  | 20.76  | 17.98   |
| 400                        | 64      | 0         | 64-QAM | 17.96  | 19.15  | 16.22   |

| NR Band n260 Module 1      |         |           |        |        |        |         |
|----------------------------|---------|-----------|--------|--------|--------|---------|
| Maximum Average EIRP [dBm] |         |           |        |        |        |         |
| BW [MHz]                   | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 50                         | 1       | 0         | QPSK   | 22.43  | 22.81  | 21.68   |
| 50                         | 32      | 0         |        | 21.55  | 22.58  | 21.77   |
| 50                         | 1       | 0         | 16-QAM | 19.46  | 19.91  | 20.69   |
| 50                         | 32      | 0         |        | 18.88  | 19.72  | 19.94   |
| 50                         | 1       | 0         | 64-QAM | 16.62  | 17.56  | 17.95   |
| 50                         | 32      | 0         |        | 16.31  | 17.73  | 17.65   |
| 100                        | 1       | 0         | QPSK   | 21.78  | 23.17  | 21.95   |
| 100                        | 64      | 0         |        | 21.76  | 22.44  | 22.07   |
| 100                        | 1       | 0         | 16-QAM | 18.70  | 20.00  | 20.95   |
| 100                        | 64      | 0         |        | 19.10  | 20.21  | 20.12   |
| 100                        | 1       | 0         | 64-QAM | 16.37  | 18.39  | 17.77   |
| 100                        | 64      | 0         |        | 16.90  | 18.00  | 17.93   |
| 400                        | 64      | 0         | QPSK   | 20.70  | 21.46  | 19.56   |
| 400                        | 64      | 0         | 16-QAM | 18.53  | 19.94  | 16.38   |
| 400                        | 64      | 0         | 64-QAM | 16.05  | 17.17  | 16.00   |

| NR Band n260 Module 2      |         |           |        |        |        |         |
|----------------------------|---------|-----------|--------|--------|--------|---------|
| Maximum Average EIRP [dBm] |         |           |        |        |        |         |
| BW [MHz]                   | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 50                         | 1       | 0         | QPSK   | 24.14  | 23.35  | 23.84   |
| 50                         | 32      | 0         |        | 23.36  | 23.29  | 23.94   |
| 50                         | 1       | 0         | 16-QAM | 22.00  | 21.06  | 21.34   |
| 50                         | 32      | 0         |        | 21.62  | 21.03  | 22.13   |
| 50                         | 1       | 0         | 64-QAM | 19.09  | 18.81  | 19.76   |
| 50                         | 32      | 0         |        | 19.17  | 18.95  | 19.85   |
| 100                        | 1       | 0         | QPSK   | 22.70  | 24.30  | 23.04   |
| 100                        | 64      | 0         |        | 23.70  | 23.91  | 23.71   |
| 100                        | 1       | 0         | 16-QAM | 21.61  | 21.12  | 21.53   |
| 100                        | 64      | 0         |        | 21.36  | 21.38  | 22.09   |
| 100                        | 1       | 0         | 64-QAM | 18.59  | 19.15  | 19.76   |
| 100                        | 64      | 0         |        | 19.05  | 19.02  | 20.04   |
| 400                        | 64      | 0         | QPSK   | 21.93  | 20.86  | 21.40   |
| 400                        | 64      | 0         | 16-QAM | 17.55  | 18.15  | 17.21   |
| 400                        | 64      | 0         | 64-QAM | 15.18  | 15.77  | 15.60   |



$$\begin{aligned}
 \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\
 &= 45.1 + 2.5 + 107 + 20\log(1) - 104.8 \\
 &= 49.8 \text{ (dB)}
 \end{aligned}$$

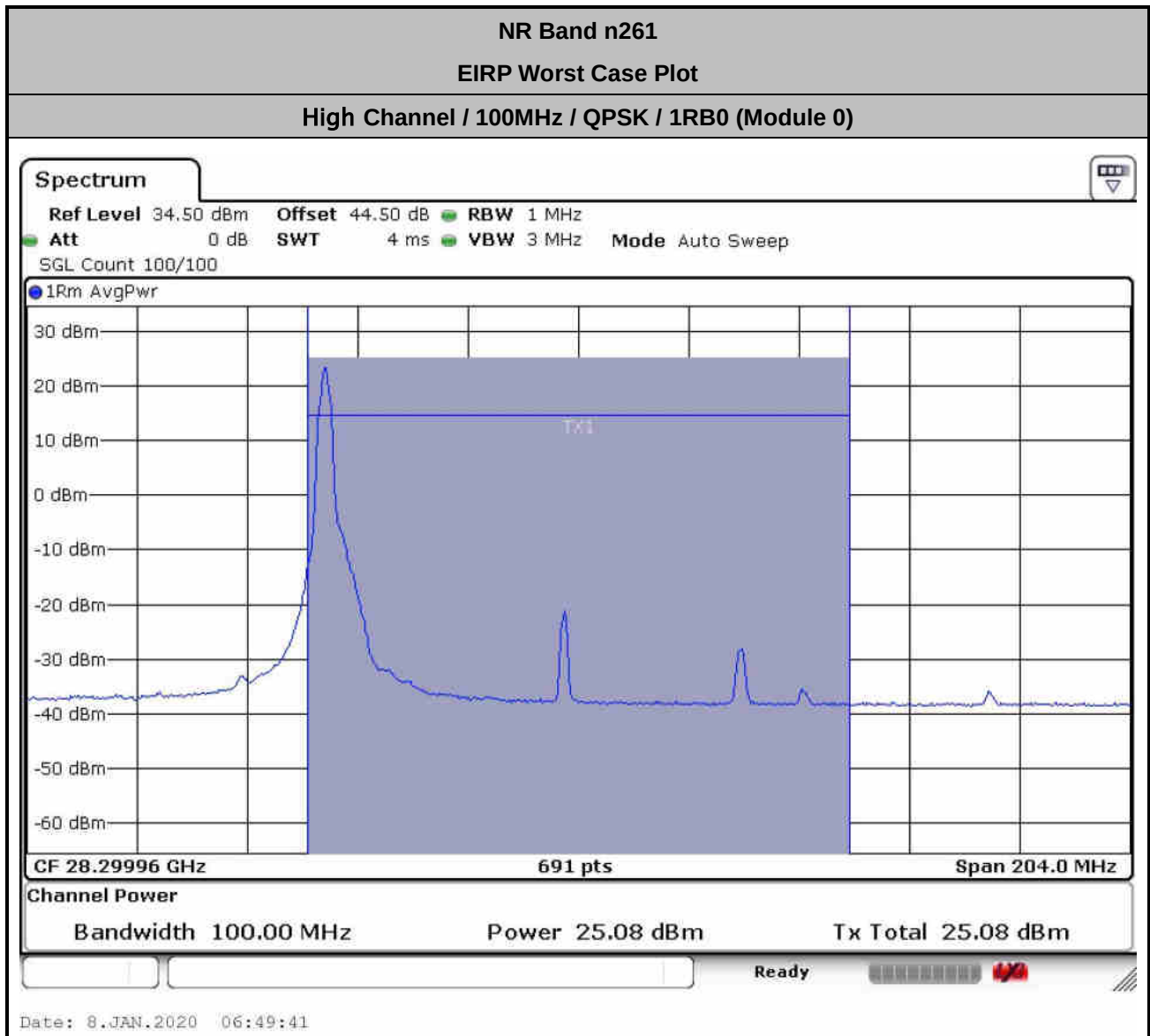
| NR Band n261 Module 0      |         |           |        |        |        |         |
|----------------------------|---------|-----------|--------|--------|--------|---------|
| Maximum Average EIRP [dBm] |         |           |        |        |        |         |
| BW [MHz]                   | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 50                         | 1       | 0         | QPSK   | 24.66  | 24.18  | 24.33   |
| 50                         | 32      | 0         |        | 24.53  | 24.32  | 24.48   |
| 50                         | 1       | 0         | 16-QAM | 23.22  | 22.44  | 22.29   |
| 50                         | 32      | 0         |        | 22.31  | 22.52  | 22.43   |
| 50                         | 1       | 0         | 64-QAM | 20.53  | 20.82  | 20.85   |
| 50                         | 32      | 0         |        | 20.41  | 20.39  | 20.42   |
| 100                        | 1       | 0         | QPSK   | 24.43  | 24.39  | 25.08   |
| 100                        | 64      | 0         |        | 23.78  | 23.46  | 24.89   |
| 100                        | 1       | 0         | 16-QAM | 21.91  | 20.64  | 21.21   |
| 100                        | 64      | 0         |        | 21.61  | 21.63  | 21.06   |
| 100                        | 1       | 0         | 64-QAM | 19.96  | 19.16  | 19.77   |
| 100                        | 64      | 0         |        | 19.51  | 19.65  | 18.88   |
| 400                        | 64      | 0         | QPSK   | 21.97  | 21.19  | 23.33   |
| 400                        | 64      | 0         | 16-QAM | 20.64  | 20.22  | 22.10   |
| 400                        | 64      | 0         | 64-QAM | 18.54  | 18.04  | 19.93   |



| NR Band n261 Module 1      |         |           |        |        |        |         |
|----------------------------|---------|-----------|--------|--------|--------|---------|
| Maximum Average EIRP [dBm] |         |           |        |        |        |         |
| BW [MHz]                   | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 50                         | 1       | 0         | QPSK   | 24.60  | 23.42  | 24.24   |
| 50                         | 32      | 0         |        | 23.78  | 23.26  | 24.09   |
| 50                         | 1       | 0         | 16-QAM | 21.29  | 20.76  | 20.79   |
| 50                         | 32      | 0         |        | 21.01  | 20.93  | 20.80   |
| 50                         | 1       | 0         | 64-QAM | 19.11  | 19.45  | 19.33   |
| 50                         | 32      | 0         |        | 18.88  | 18.84  | 18.74   |
| 100                        | 1       | 0         | QPSK   | 24.73  | 23.38  | 24.96   |
| 100                        | 64      | 0         |        | 23.54  | 23.27  | 24.44   |
| 100                        | 1       | 0         | 16-QAM | 22.04  | 21.52  | 21.72   |
| 100                        | 64      | 0         |        | 21.76  | 21.48  | 21.56   |
| 100                        | 1       | 0         | 64-QAM | 19.54  | 20.15  | 20.24   |
| 100                        | 64      | 0         |        | 19.57  | 19.34  | 19.47   |
| 400                        | 64      | 0         | QPSK   | 20.40  | 20.58  | 21.42   |
| 400                        | 64      | 0         | 16-QAM | 20.23  | 20.28  | 20.42   |
| 400                        | 64      | 0         | 64-QAM | 18.25  | 18.05  | 18.24   |



| NR Band n261 Module 2      |         |           |        |        |        |         |
|----------------------------|---------|-----------|--------|--------|--------|---------|
| Maximum Average EIRP [dBm] |         |           |        |        |        |         |
| BW [MHz]                   | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 50                         | 1       | 0         | QPSK   | 22.52  | 22.06  | 21.98   |
| 50                         | 32      | 0         |        | 21.20  | 22.01  | 22.00   |
| 50                         | 1       | 0         | 16-QAM | 19.87  | 19.69  | 20.02   |
| 50                         | 32      | 0         |        | 20.09  | 20.36  | 20.62   |
| 50                         | 1       | 0         | 64-QAM | 17.67  | 18.37  | 18.71   |
| 50                         | 32      | 0         |        | 17.89  | 18.02  | 18.37   |
| 100                        | 1       | 0         | QPSK   | 22.75  | 23.39  | 22.76   |
| 100                        | 64      | 0         |        | 21.20  | 22.72  | 22.43   |
| 100                        | 1       | 0         | 16-QAM | 20.27  | 20.24  | 21.01   |
| 100                        | 64      | 0         |        | 20.15  | 20.74  | 21.21   |
| 100                        | 1       | 0         | 64-QAM | 17.76  | 18.58  | 19.74   |
| 100                        | 64      | 0         |        | 18.12  | 18.47  | 19.08   |
| 400                        | 64      | 0         | QPSK   | 20.83  | 20.95  | 20.17   |
| 400                        | 64      | 0         | 16-QAM | 19.62  | 20.02  | 19.56   |
| 400                        | 64      | 0         | 64-QAM | 17.51  | 17.91  | 18.58   |



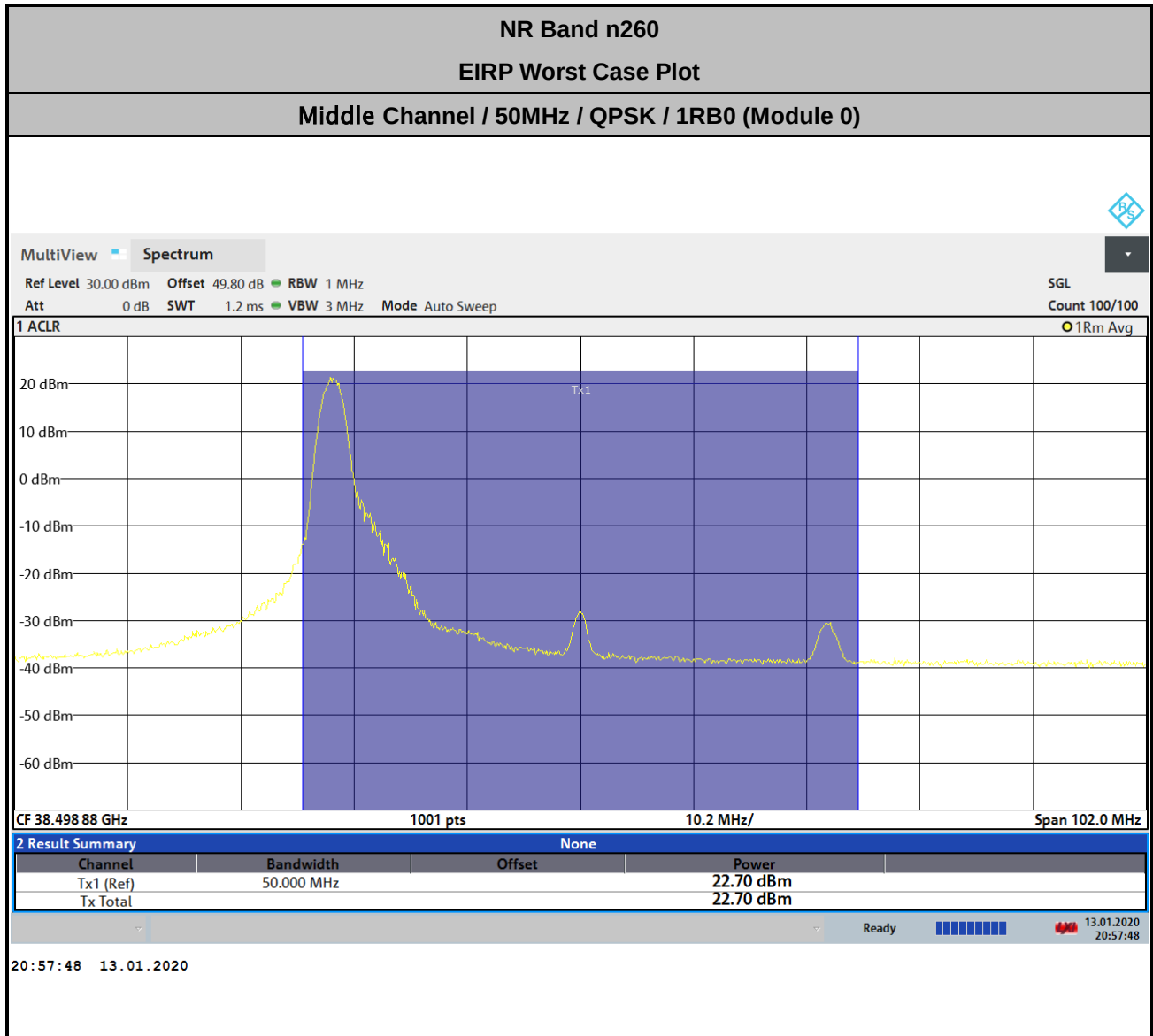
$$\begin{aligned}
 \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\
 &= 40.5 + 1.8 + 107 + 20\log(1) - 104.8 \\
 &= 44.5 \text{ (dB)}
 \end{aligned}$$

## CP-OFDM

| NR Band n260 Module 0      |         |           |        |        |        |         |
|----------------------------|---------|-----------|--------|--------|--------|---------|
| Maximum Average EIRP [dBm] |         |           |        |        |        |         |
| BW [MHz]                   | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 50                         | 1       | 0         | QPSK   | 21.02  | 22.70  | 19.94   |
| 50                         | 32      | 0         |        | 22.20  | 22.20  | 21.15   |
| 50                         | 1       | 0         | 16-QAM | 21.96  | 20.99  | 20.07   |
| 50                         | 32      | 0         |        | 21.26  | 21.74  | 20.69   |
| 50                         | 1       | 0         | 64-QAM | 16.76  | 18.04  | 16.79   |
| 50                         | 32      | 0         |        | 17.38  | 17.34  | 17.71   |
| 100                        | 1       | 0         | QPSK   | 21.00  | 22.61  | 20.49   |
| 100                        | 66      | 0         |        | 22.20  | 22.29  | 21.53   |
| 100                        | 1       | 0         | 16-QAM | 20.76  | 20.93  | 19.94   |
| 100                        | 66      | 0         |        | 20.38  | 20.23  | 19.19   |
| 100                        | 1       | 0         | 64-QAM | 15.22  | 16.23  | 16.56   |
| 100                        | 66      | 0         |        | 16.58  | 17.01  | 16.75   |
| 400                        | 66      | 0         | QPSK   | 19.20  | 19.96  | 17.98   |
| 400                        | 66      | 0         | 16-QAM | 18.64  | 19.64  | 16.66   |
| 400                        | 66      | 0         | 64-QAM | 16.73  | 17.99  | 15.77   |

| NR Band n260 Module 1      |         |           |        |        |        |         |
|----------------------------|---------|-----------|--------|--------|--------|---------|
| Maximum Average EIRP [dBm] |         |           |        |        |        |         |
| BW [MHz]                   | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 50                         | 1       | 0         | QPSK   | 18.34  | 20.82  | 20.18   |
| 50                         | 32      | 0         |        | 19.44  | 20.26  | 19.63   |
| 50                         | 1       | 0         | 16-QAM | 18.42  | 18.68  | 19.09   |
| 50                         | 32      | 0         |        | 17.30  | 17.91  | 20.58   |
| 50                         | 1       | 0         | 64-QAM | 14.01  | 15.99  | 15.26   |
| 50                         | 32      | 0         |        | 16.49  | 15.62  | 15.59   |
| 100                        | 1       | 0         | QPSK   | 19.49  | 20.78  | 20.13   |
| 100                        | 66      | 0         |        | 19.62  | 20.27  | 19.96   |
| 100                        | 1       | 0         | 16-QAM | 17.70  | 18.72  | 18.89   |
| 100                        | 66      | 0         |        | 17.40  | 19.94  | 18.54   |
| 100                        | 1       | 0         | 64-QAM | 13.98  | 15.53  | 15.03   |
| 100                        | 66      | 0         |        | 14.74  | 18.12  | 15.77   |
| 400                        | 66      | 0         | QPSK   | 18.23  | 19.13  | 17.30   |
| 400                        | 66      | 0         | 16-QAM | 16.35  | 17.90  | 13.87   |
| 400                        | 66      | 0         | 64-QAM | 11.69  | 12.47  | 13.27   |

| NR Band n260 Module 2      |         |           |        |        |        |         |
|----------------------------|---------|-----------|--------|--------|--------|---------|
| Maximum Average EIRP [dBm] |         |           |        |        |        |         |
| BW [MHz]                   | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 50                         | 1       | 0         | QPSK   | 20.09  | 21.33  | 20.05   |
| 50                         | 32      | 0         |        | 21.13  | 21.16  | 21.58   |
| 50                         | 1       | 0         | 16-QAM | 20.12  | 19.81  | 20.36   |
| 50                         | 32      | 0         |        | 19.78  | 19.57  | 20.50   |
| 50                         | 1       | 0         | 64-QAM | 16.46  | 16.59  | 18.19   |
| 50                         | 32      | 0         |        | 17.10  | 16.74  | 17.90   |
| 100                        | 1       | 0         | QPSK   | 21.74  | 21.08  | 21.86   |
| 100                        | 66      | 0         |        | 21.48  | 21.73  | 21.63   |
| 100                        | 1       | 0         | 16-QAM | 19.74  | 19.72  | 20.27   |
| 100                        | 66      | 0         |        | 19.62  | 19.58  | 20.52   |
| 100                        | 1       | 0         | 64-QAM | 15.87  | 16.56  | 17.91   |
| 100                        | 66      | 0         |        | 16.80  | 17.06  | 17.86   |
| 400                        | 66      | 0         | QPSK   | 19.59  | 18.48  | 19.05   |
| 400                        | 66      | 0         | 16-QAM | 15.25  | 16.16  | 15.22   |
| 400                        | 66      | 0         | 64-QAM | 10.24  | 10.08  | 9.09    |



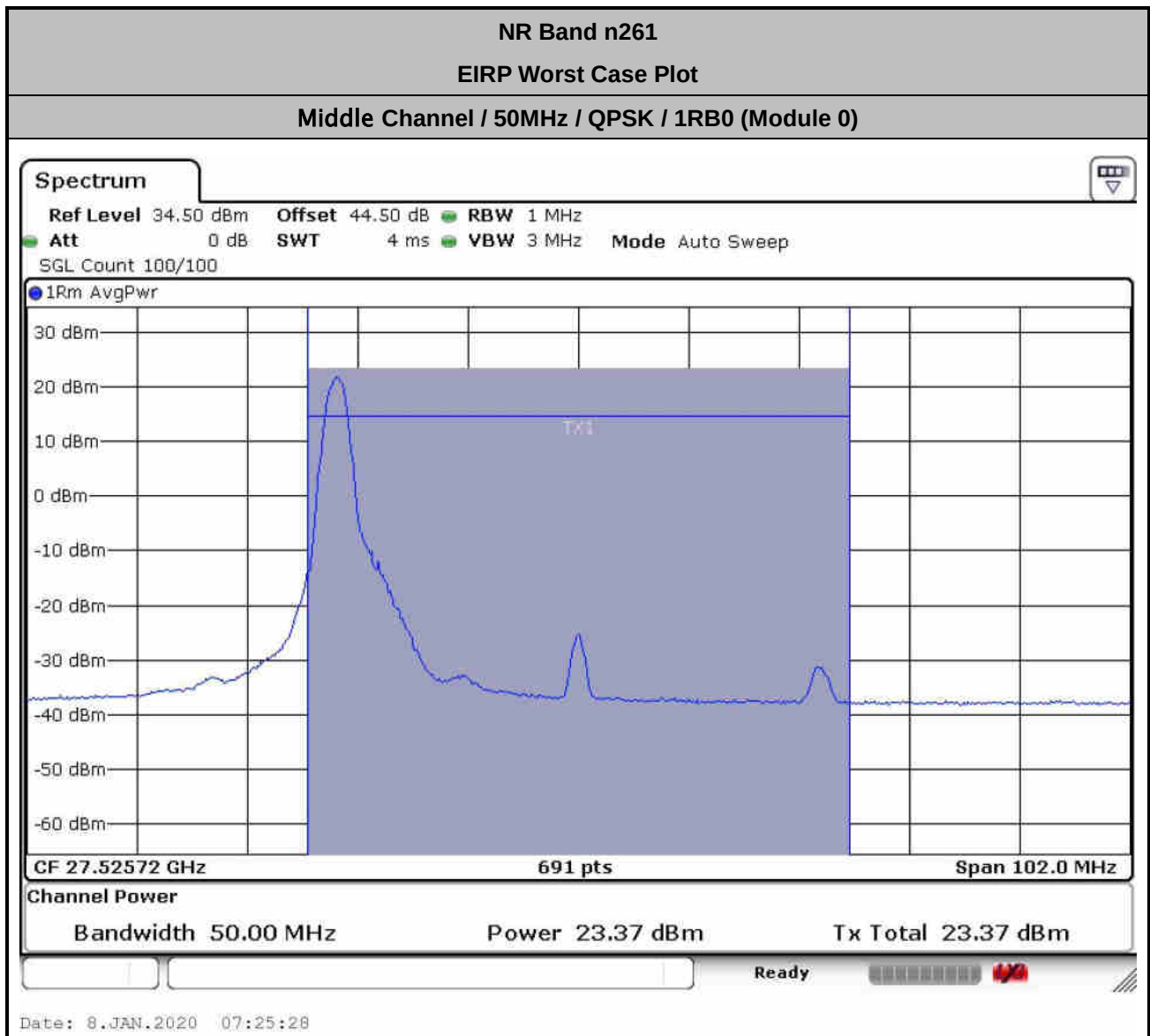
$$\begin{aligned}
 \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\
 &= 45.1 + 2.5 + 107 + 20\log(1) - 104.8 \\
 &= 49.8 \text{ (dB)}
 \end{aligned}$$

| NR Band n261 Module 0      |         |           |        |              |        |         |
|----------------------------|---------|-----------|--------|--------------|--------|---------|
| Maximum Average EIRP [dBm] |         |           |        |              |        |         |
| BW [MHz]                   | RB Size | RB Offset | Mod    | Lowest       | Middle | Highest |
| 50                         | 1       | 0         | QPSK   | <b>23.37</b> | 21.67  | 22.97   |
| 50                         | 32      | 0         |        | 22.37        | 22.30  | 22.13   |
| 50                         | 1       | 0         | 16-QAM | 21.48        | 20.04  | 20.03   |
| 50                         | 32      | 0         |        | 21.15        | 21.46  | 21.36   |
| 50                         | 1       | 0         | 64-QAM | 18.23        | 18.29  | 19.03   |
| 50                         | 32      | 0         |        | 18.54        | 18.56  | 18.59   |
| 100                        | 1       | 0         | QPSK   | 22.81        | 22.18  | 22.67   |
| 100                        | 66      | 0         |        | 21.73        | 21.27  | 22.58   |
| 100                        | 1       | 0         | 16-QAM | 21.81        | 19.40  | 19.75   |
| 100                        | 66      | 0         |        | 20.03        | 19.97  | 19.41   |
| 100                        | 1       | 0         | 64-QAM | 17.19        | 17.86  | 17.29   |
| 100                        | 66      | 0         |        | 17.35        | 18.01  | 16.92   |
| 400                        | 66      | 0         | QPSK   | 19.81        | 18.89  | 21.16   |
| 400                        | 66      | 0         | 16-QAM | 18.50        | 17.96  | 19.91   |
| 400                        | 66      | 0         | 64-QAM | 14.94        | 14.42  | 16.30   |



| NR Band n261 Module 1      |         |           |        |        |        |         |
|----------------------------|---------|-----------|--------|--------|--------|---------|
| Maximum Average EIRP [dBm] |         |           |        |        |        |         |
| BW [MHz]                   | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 50                         | 1       | 0         | QPSK   | 21.59  | 21.77  | 21.55   |
| 50                         | 32      | 0         |        | 21.62  | 21.12  | 21.85   |
| 50                         | 1       | 0         | 16-QAM | 19.93  | 19.70  | 19.67   |
| 50                         | 32      | 0         |        | 19.50  | 19.55  | 19.40   |
| 50                         | 1       | 0         | 64-QAM | 17.59  | 16.67  | 16.60   |
| 50                         | 32      | 0         |        | 16.94  | 16.76  | 16.70   |
| 100                        | 1       | 0         | QPSK   | 21.57  | 21.20  | 22.44   |
| 100                        | 66      | 0         |        | 21.47  | 21.00  | 22.24   |
| 100                        | 1       | 0         | 16-QAM | 20.51  | 20.44  | 21.09   |
| 100                        | 66      | 0         |        | 20.10  | 19.82  | 19.92   |
| 100                        | 1       | 0         | 64-QAM | 17.28  | 17.35  | 18.26   |
| 100                        | 66      | 0         |        | 17.42  | 17.21  | 17.34   |
| 400                        | 66      | 0         | QPSK   | 18.28  | 18.28  | 19.21   |
| 400                        | 66      | 0         | 16-QAM | 18.11  | 18.00  | 18.17   |
| 400                        | 66      | 0         | 64-QAM | 15.81  | 15.58  | 15.92   |

| NR Band n261 Module 2      |         |           |        |        |        |         |
|----------------------------|---------|-----------|--------|--------|--------|---------|
| Maximum Average EIRP [dBm] |         |           |        |        |        |         |
| BW [MHz]                   | RB Size | RB Offset | Mod    | Lowest | Middle | Highest |
| 50                         | 1       | 0         | QPSK   | 18.58  | 19.61  | 19.59   |
| 50                         | 32      | 0         |        | 18.96  | 19.71  | 19.78   |
| 50                         | 1       | 0         | 16-QAM | 19.98  | 18.39  | 18.80   |
| 50                         | 32      | 0         |        | 18.59  | 18.97  | 19.26   |
| 50                         | 1       | 0         | 64-QAM | 16.26  | 16.68  | 16.99   |
| 50                         | 32      | 0         |        | 16.01  | 15.96  | 16.26   |
| 100                        | 1       | 0         | QPSK   | 18.66  | 21.44  | 20.48   |
| 100                        | 66      | 0         |        | 18.95  | 20.43  | 20.29   |
| 100                        | 1       | 0         | 16-QAM | 20.17  | 18.91  | 20.03   |
| 100                        | 66      | 0         |        | 18.53  | 19.12  | 19.68   |
| 100                        | 1       | 0         | 64-QAM | 16.50  | 16.99  | 18.23   |
| 100                        | 66      | 0         |        | 15.83  | 16.41  | 17.01   |
| 400                        | 66      | 0         | QPSK   | 18.74  | 18.49  | 18.05   |
| 400                        | 66      | 0         | 16-QAM | 17.52  | 17.88  | 18.62   |
| 400                        | 66      | 0         | 64-QAM | 15.10  | 15.59  | 16.35   |



$$\begin{aligned}
 \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\
 &= 40.5 + 1.8 + 107 + 20\log(1) - 104.8 \\
 &= 44.5 \text{ (dB)}
 \end{aligned}$$



## NR Band n260 DFT-s-OFDM

## Occupied Bandwidth

| Mode       | Module 0 NR Band n260 : 99%OBW(MHz) |       |       |        |       |       |        |        |        |
|------------|-------------------------------------|-------|-------|--------|-------|-------|--------|--------|--------|
| BW         | 50MHz                               |       |       | 100MHz |       |       | 400MHz |        |        |
| Mod.       | QPSK                                | 16QAM | 64QAM | QPSK   | 16QAM | 64QAM | QPSK   | 16QAM  | 64QAM  |
| Lowest CH  | 45.57                               | 45.35 | 45.08 | 91.03  | 90.56 | 90.42 | 385.85 | 384.44 | 384.57 |
| Middle CH  | 45.41                               | 45.31 | 45.08 | 90.62  | 90.24 | 90.37 | 384.88 | 385.70 | 384.21 |
| Highest CH | 45.38                               | 45.32 | 45.15 | 90.65  | 90.22 | 90.00 | 385.90 | 386.26 | 385.34 |

| Mode       | Module 1 NR Band n260 : 99%OBW(MHz) |       |       |        |       |       |        |        |        |
|------------|-------------------------------------|-------|-------|--------|-------|-------|--------|--------|--------|
| BW         | 50MHz                               |       |       | 100MHz |       |       | 400MHz |        |        |
| Mod.       | QPSK                                | 16QAM | 64QAM | QPSK   | 16QAM | 64QAM | QPSK   | 16QAM  | 64QAM  |
| Lowest CH  | 45.39                               | 45.37 | 45.28 | 90.45  | 90.39 | 90.07 | 384.67 | 384.26 | 383.46 |
| Middle CH  | 45.38                               | 45.33 | 45.22 | 90.50  | 90.49 | 90.26 | 384.59 | 384.96 | 384.23 |
| Highest CH | 45.21                               | 45.32 | 45.15 | 90.59  | 90.22 | 90.16 | 385.81 | 385.68 | 384.84 |

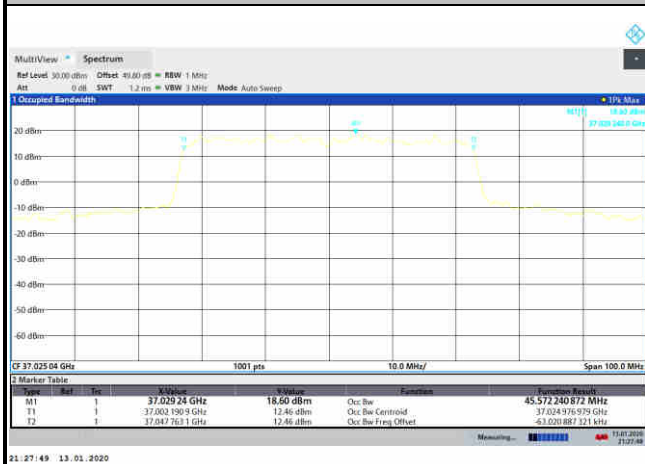
| Mode       | Module 2 NR Band n260 : 99%OBW(MHz) |       |       |        |       |       |        |        |        |
|------------|-------------------------------------|-------|-------|--------|-------|-------|--------|--------|--------|
| BW         | 50MHz                               |       |       | 100MHz |       |       | 400MHz |        |        |
| Mod.       | QPSK                                | 16QAM | 64QAM | QPSK   | 16QAM | 64QAM | QPSK   | 16QAM  | 64QAM  |
| Lowest CH  | 45.05                               | 45.04 | 45.03 | 89.94  | 90.19 | 89.96 | 384.62 | 385.00 | 384.61 |
| Middle CH  | 45.06                               | 45.20 | 45.01 | 90.01  | 90.29 | 90.00 | 383.97 | 383.68 | 384.01 |
| Highest CH | 45.51                               | 45.18 | 45.21 | 90.10  | 90.18 | 90.47 | 385.15 | 385.20 | 385.73 |



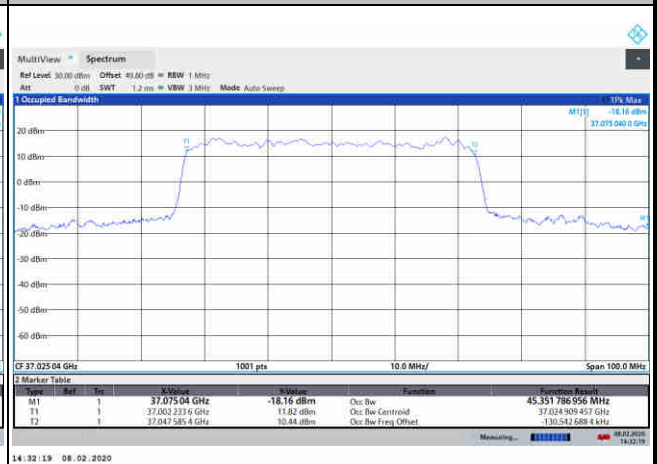
## Module 0

## NR Band n260

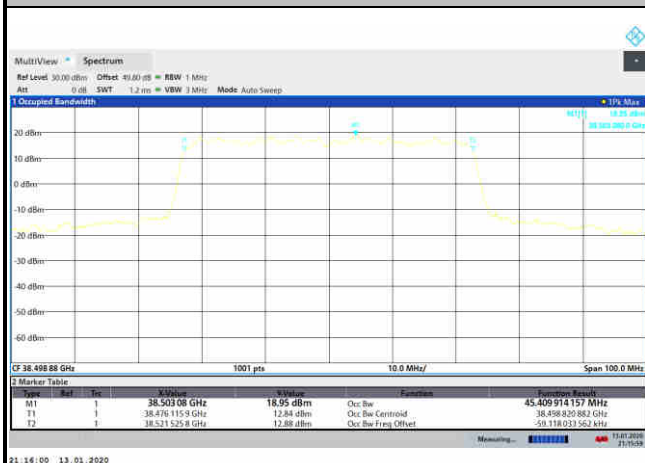
## Lowest Channel / 50MHz / QPSK



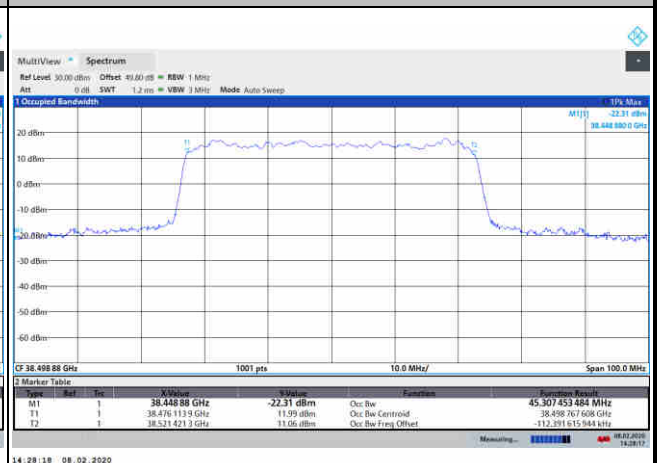
## Lowest Channel / 50MHz / 16QAM



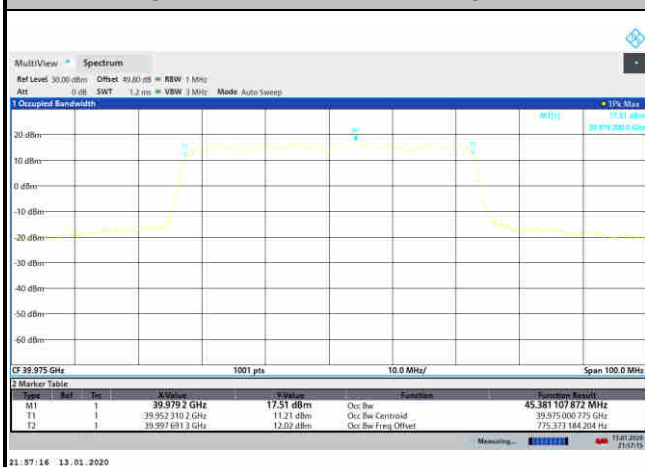
## Middle Channel / 50MHz / QPSK



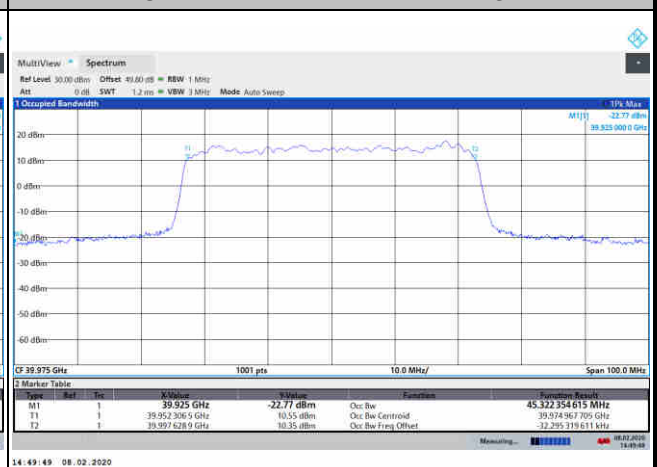
## Middle Channel / 50MHz / 16QAM



## Highest Channel / 50MHz / QPSK



## Highest Channel / 50MHz / 16QAM

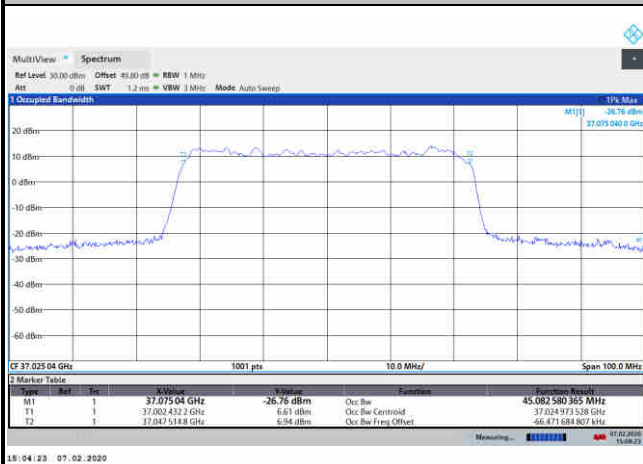




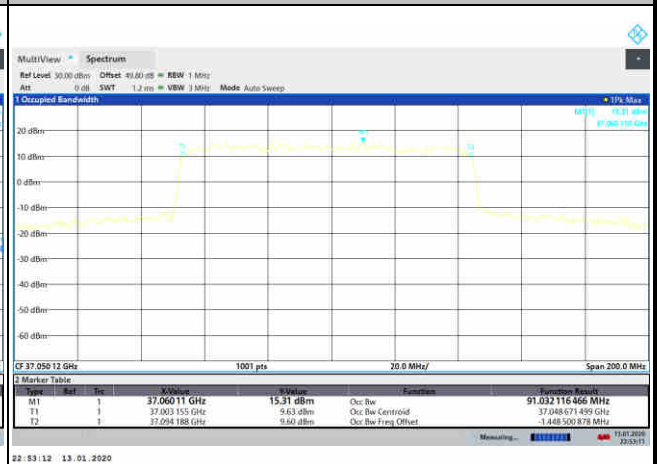
## Module 0

## NR Band n260

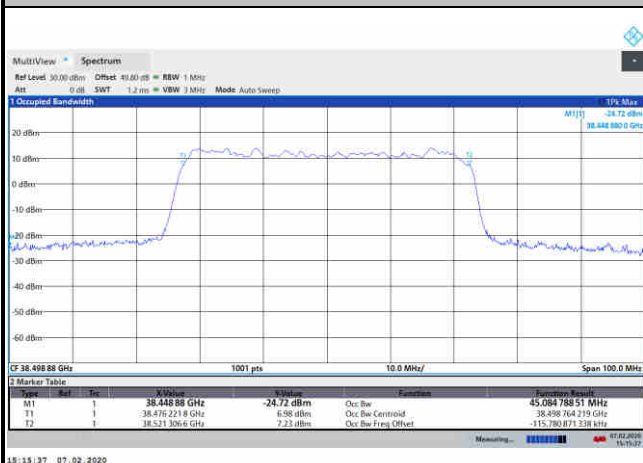
## Lowest Channel / 50MHz / 64QAM



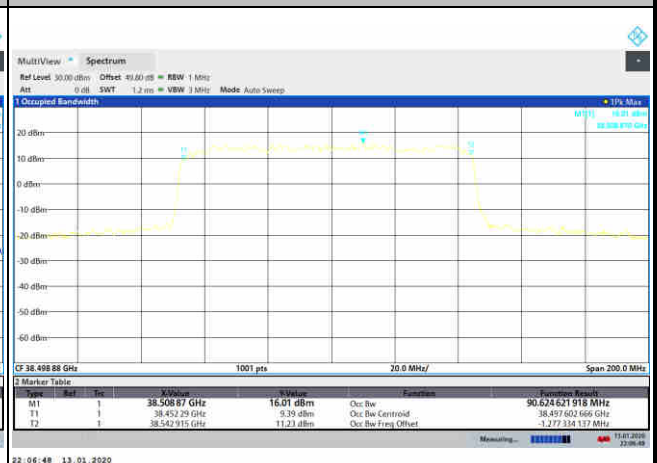
## Lowest Channel / 100MHz / QPSK



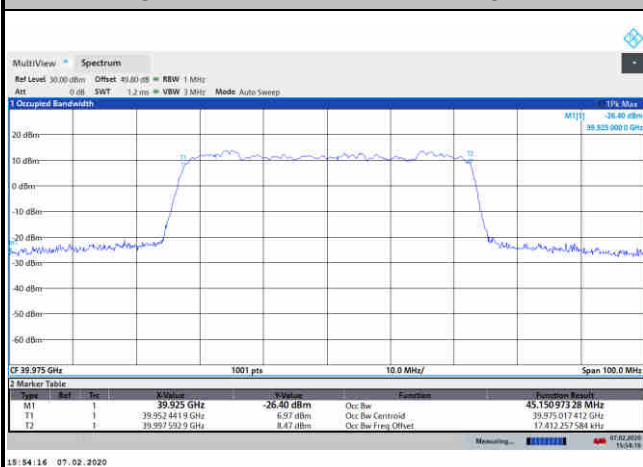
## Middle Channel / 50MHz / 64QAM



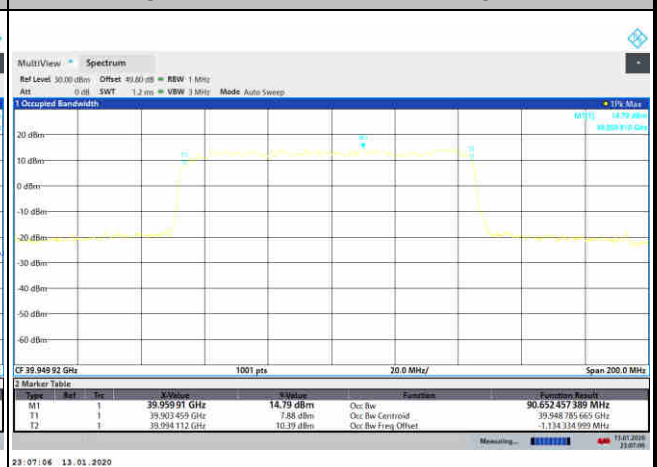
## Middle Channel / 100MHz / QPSK



## Highest Channel / 50MHz / 64QAM



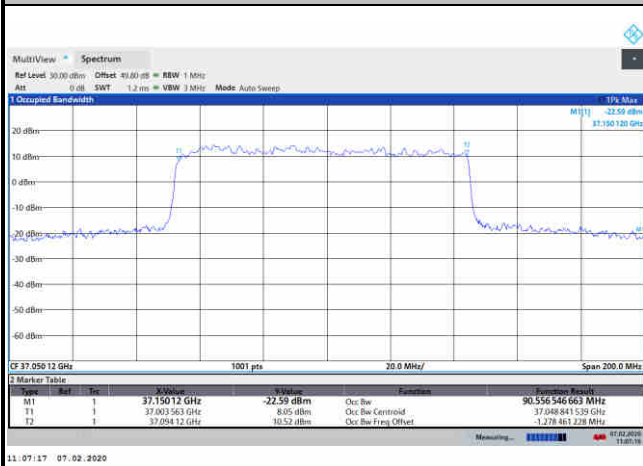
## Highest Channel / 100MHz / QPSK



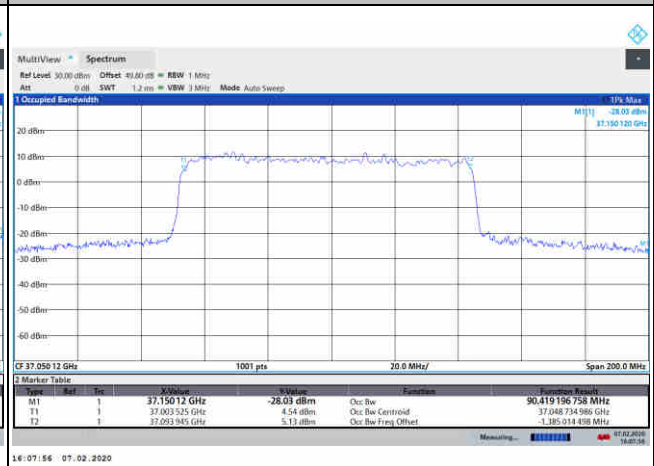
## Module 0

## NR Band n260

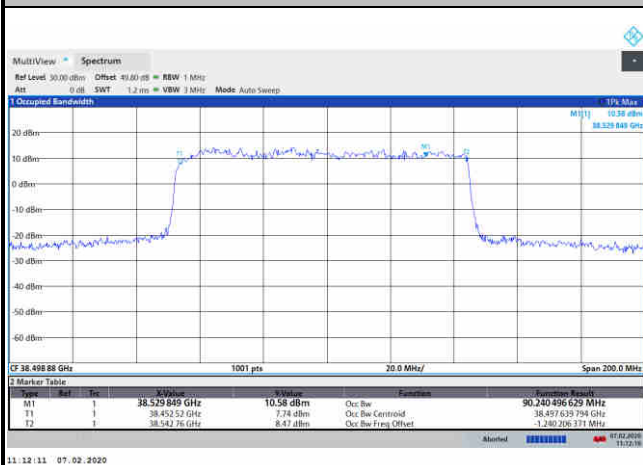
**Lowest Channel / 100MHz / 16QAM**



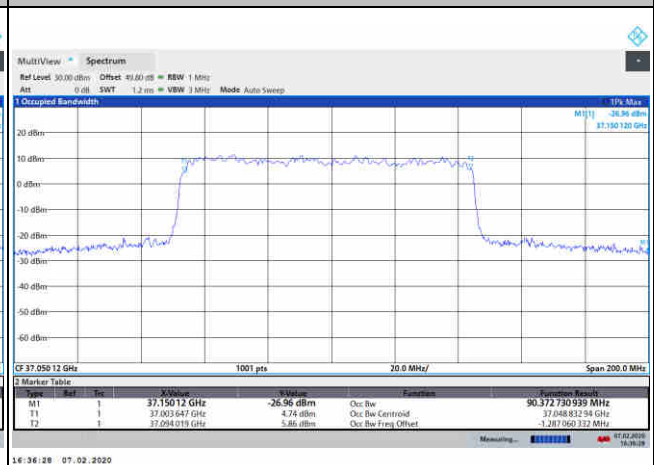
**Lowest Channel / 100MHz / 64QAM**



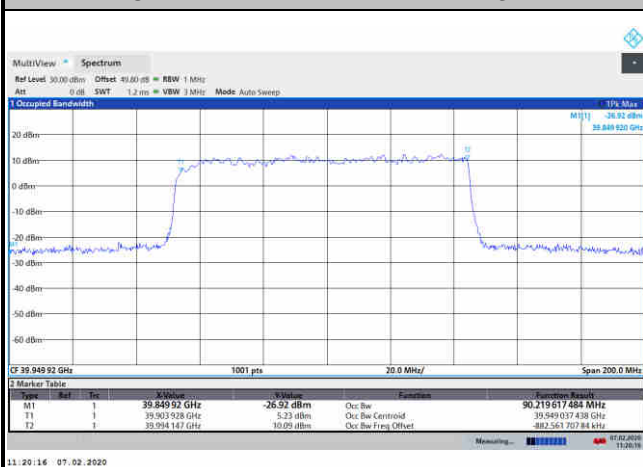
## Middle Channel / 100MHz / 16QAM



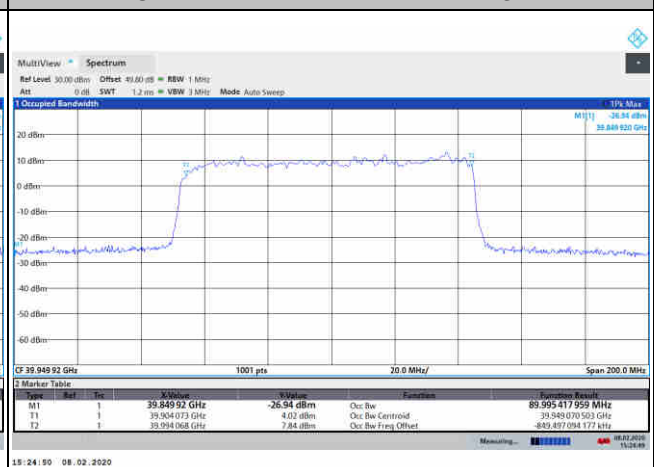
## Middle Channel / 100MHz / 64QAM



### Highest Channel / 100MHz / 16QAM



### Highest Channel / 100MHz / 64QAM





## Module 0

## NR Band n260

## Lowest Channel / 400MHz / QPSK



## Lowest Channel / 400MHz / 16QAM



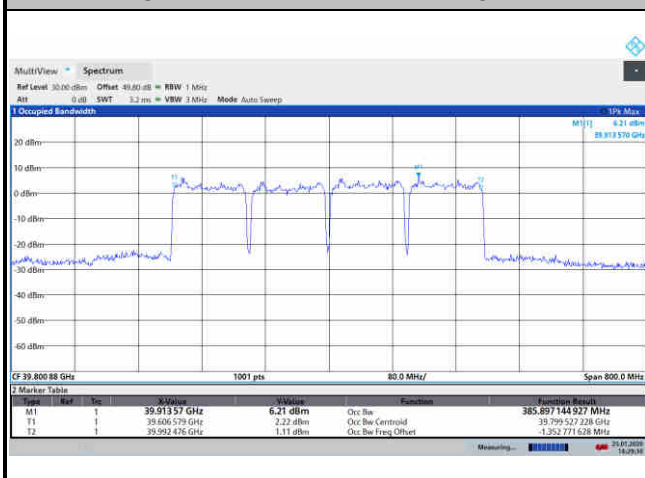
## Middle Channel / 400MHz / QPSK



## Middle Channel / 400MHz / 16QAM



## Highest Channel / 400MHz / QPSK



## Highest Channel / 400MHz / 16QAM





## Module 0

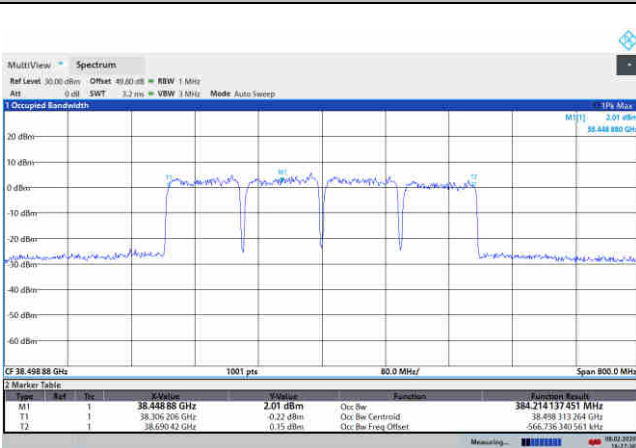
## NR Band n260

## Lowest Channel / 400MHz / 64QAM



intentionally blank

## Middle Channel / 400MHz / 64QAM



intentionally blank

## Highest Channel / 400MHz / 64QAM



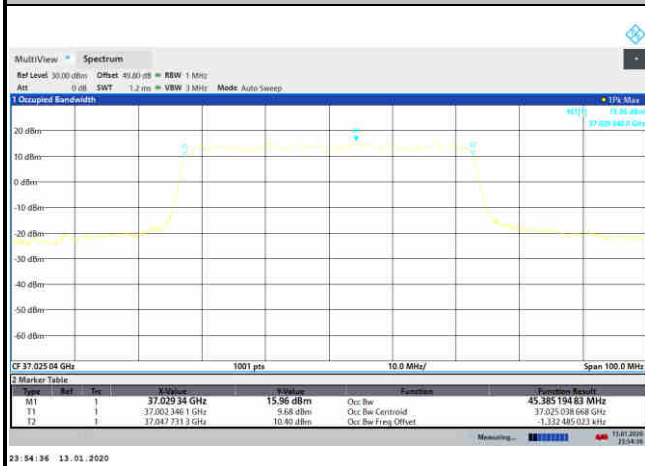
intentionally blank



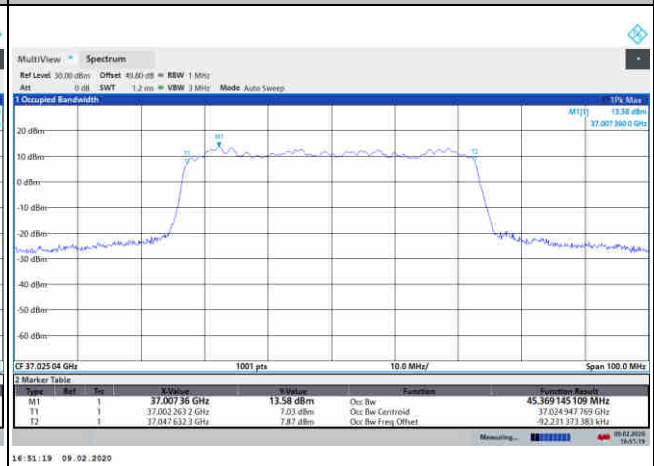
## Module 1

## NR Band n260

## Lowest Channel / 50MHz / QPSK



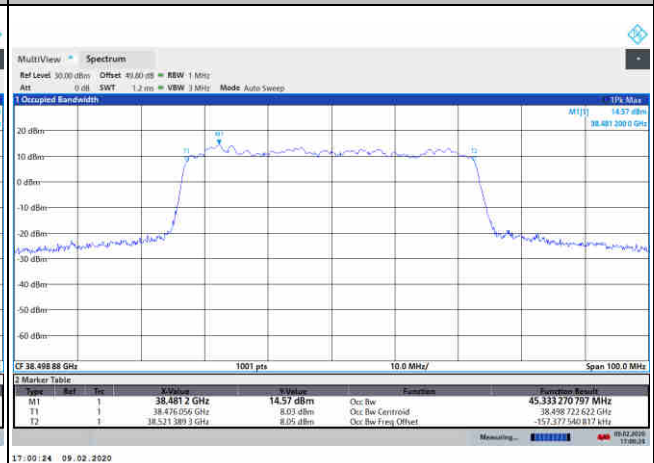
## Lowest Channel / 50MHz / 16QAM



## Middle Channel / 50MHz / QPSK



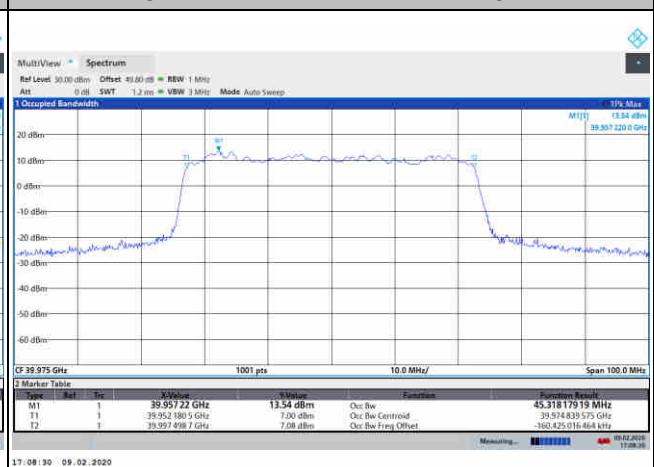
## Middle Channel / 50MHz / 16QAM



## Highest Channel / 50MHz / QPSK



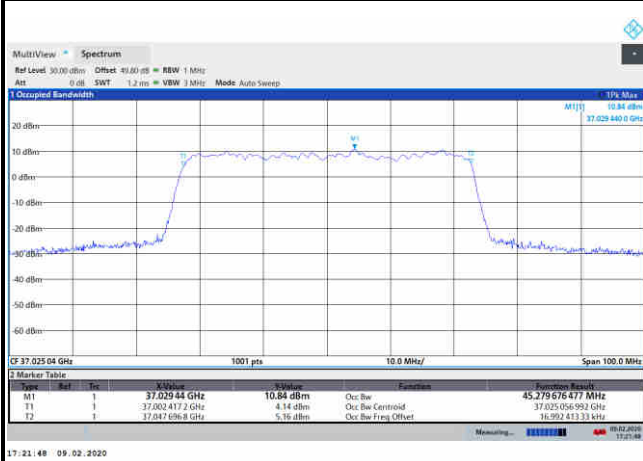
## Highest Channel / 50MHz / 16QAM



## Module 1

### NR Band n260

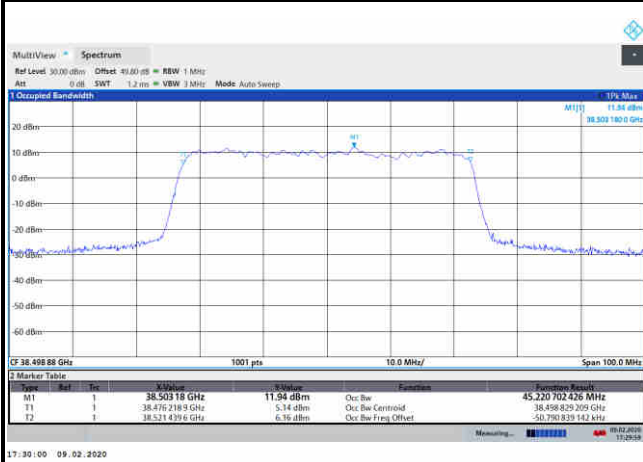
#### Lowest Channel / 50MHz / 64QAM



#### Lowest Channel / 100MHz / QPSK



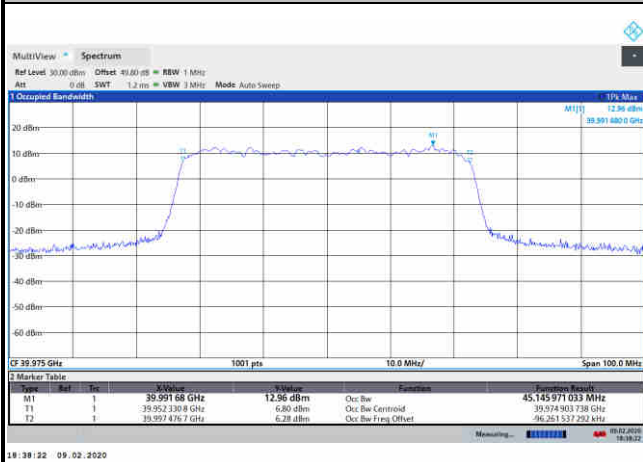
#### Middle Channel / 50MHz / 64QAM



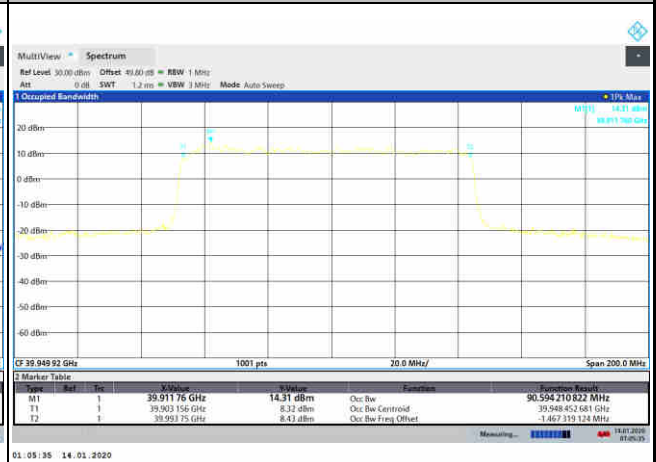
#### Middle Channel / 100MHz / QPSK



#### Highest Channel / 50MHz / 64QAM



#### Highest Channel / 100MHz / QPSK

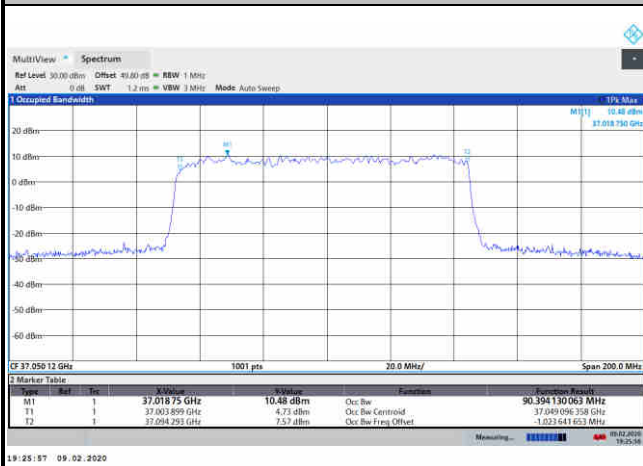




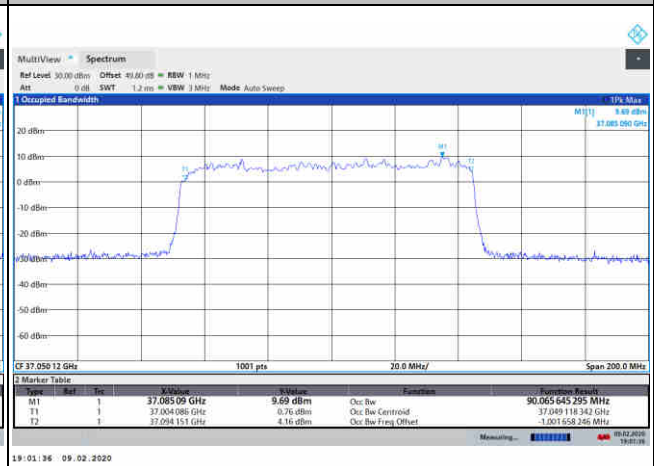
## Module 1

## NR Band n260

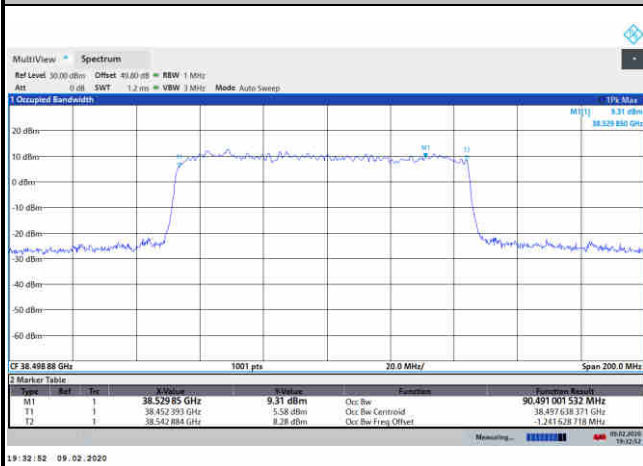
## Lowest Channel / 100MHz / 16QAM



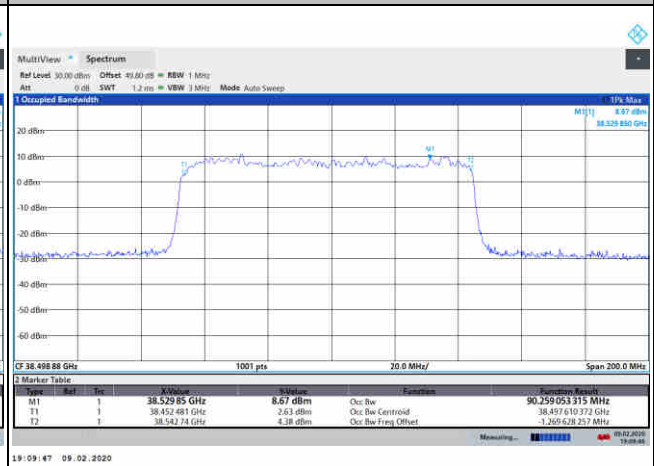
## Lowest Channel / 100MHz / 64QAM



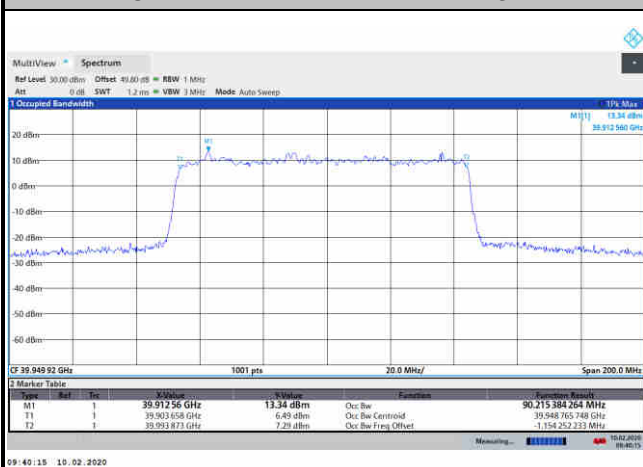
## Middle Channel / 100MHz / 16QAM



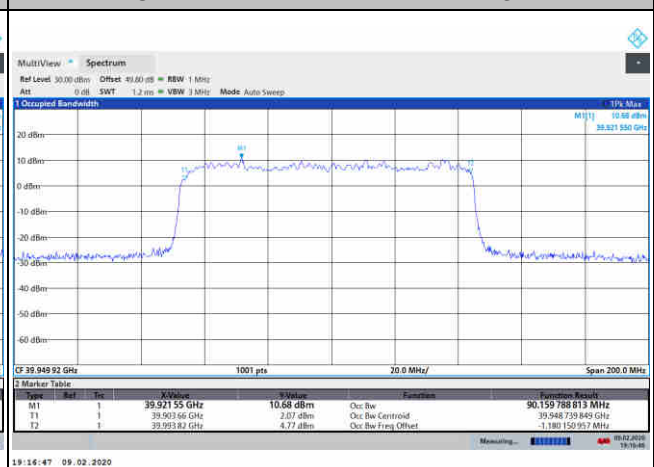
## Middle Channel / 100MHz / 64QAM



## Highest Channel / 100MHz / 16QAM



## Highest Channel / 100MHz / 64QAM





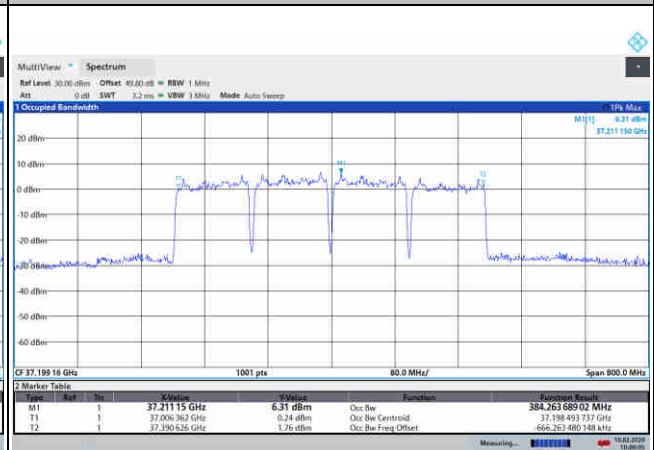
## Module 1

## NR Band n260

## Lowest Channel / 400MHz / QPSK



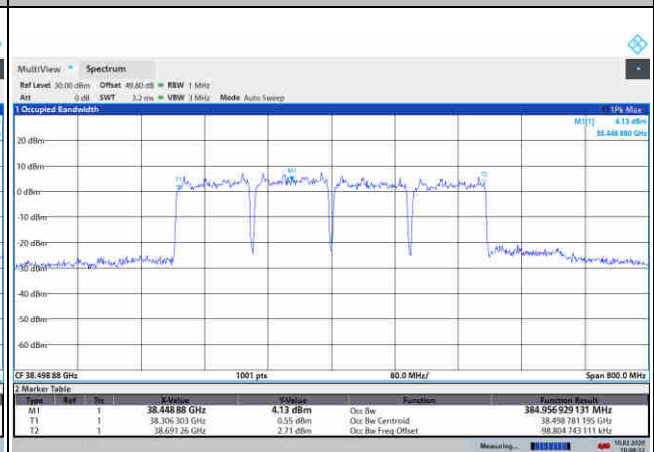
## Lowest Channel / 400MHz / 16QAM



## Middle Channel / 400MHz / QPSK



## Middle Channel / 400MHz / 16QAM



## Highest Channel / 400MHz / QPSK



## Highest Channel / 400MHz / 16QAM

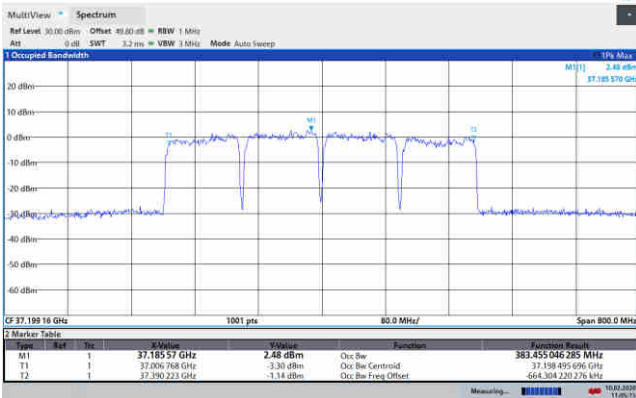




## Module 1

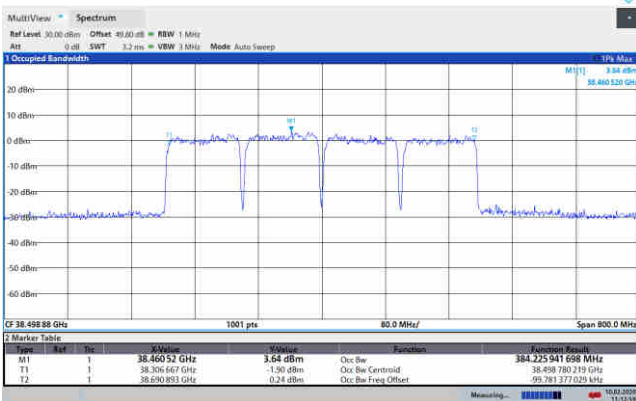
## NR Band n260

## Lowest Channel / 400MHz / 64QAM



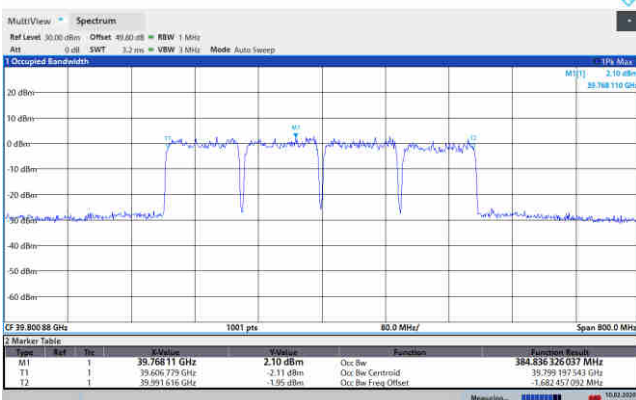
intentionally blank

## Middle Channel / 400MHz / 64QAM



intentionally blank

## Highest Channel / 400MHz / 64QAM

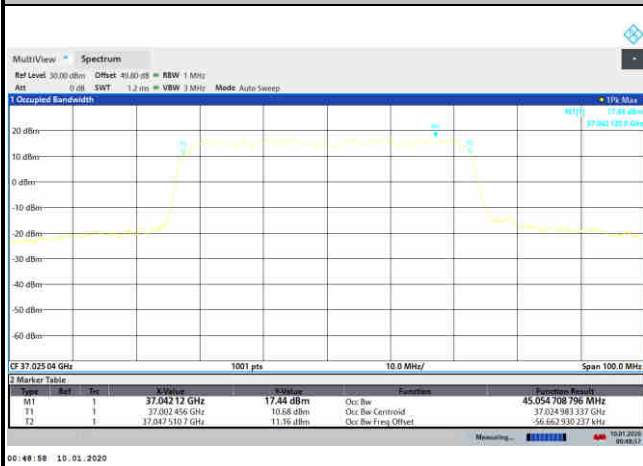


intentionally blank

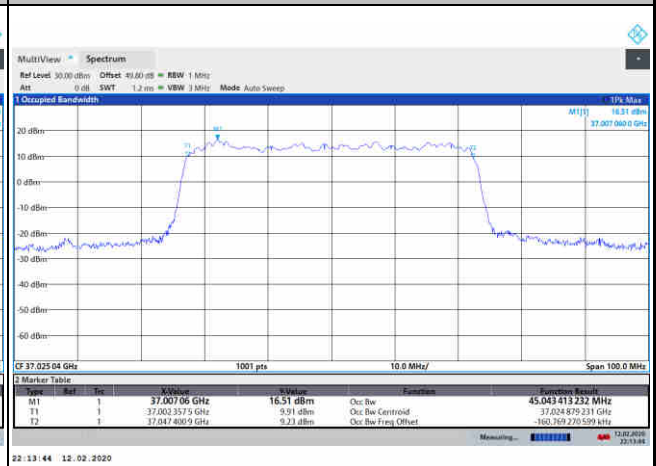
## Module 2

### NR Band n260

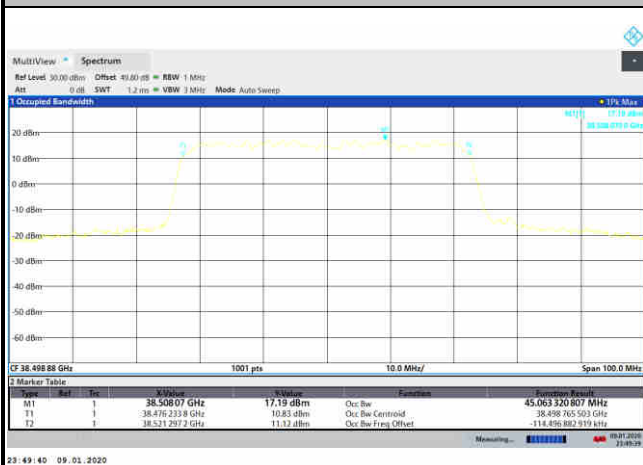
#### Lowest Channel / 50MHz / QPSK



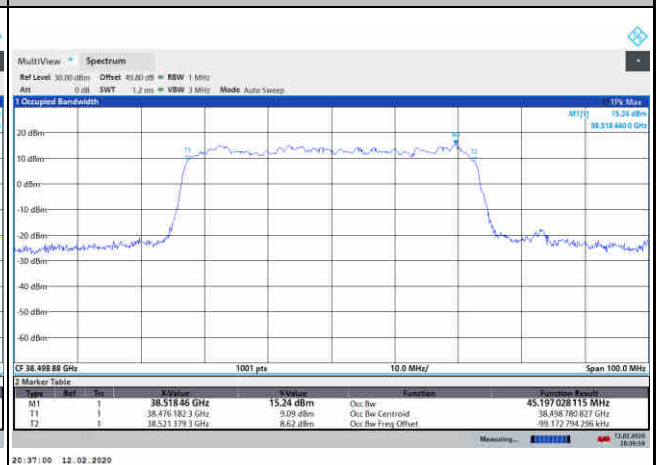
#### Lowest Channel / 50MHz / 16QAM



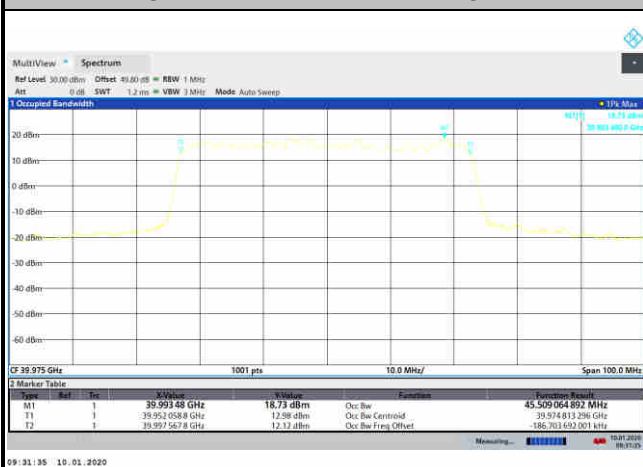
#### Middle Channel / 50MHz / QPSK



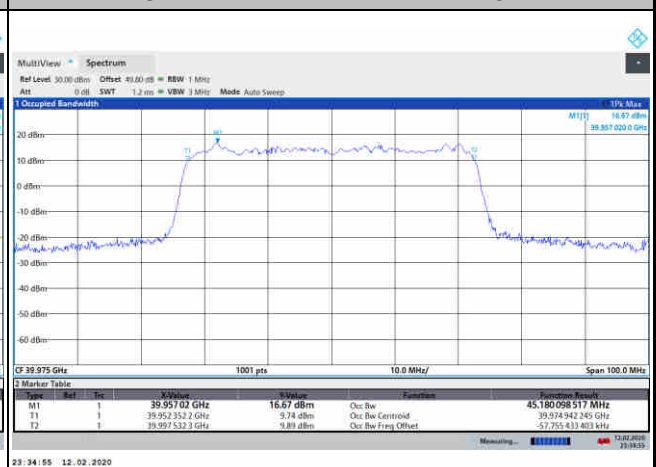
#### Middle Channel / 50MHz / 16QAM



#### Highest Channel / 50MHz / QPSK



#### Highest Channel / 50MHz / 16QAM

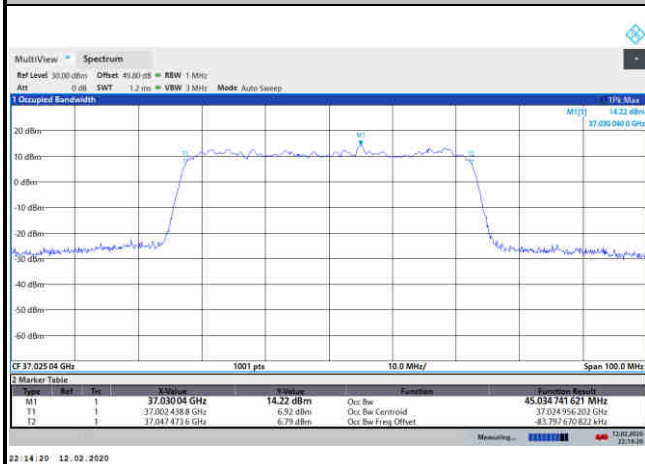




## Module 2

## NR Band n260

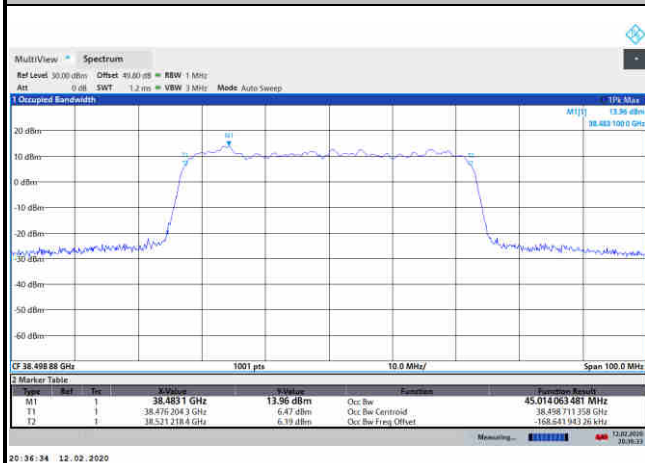
## Lowest Channel / 50MHz / 64QAM



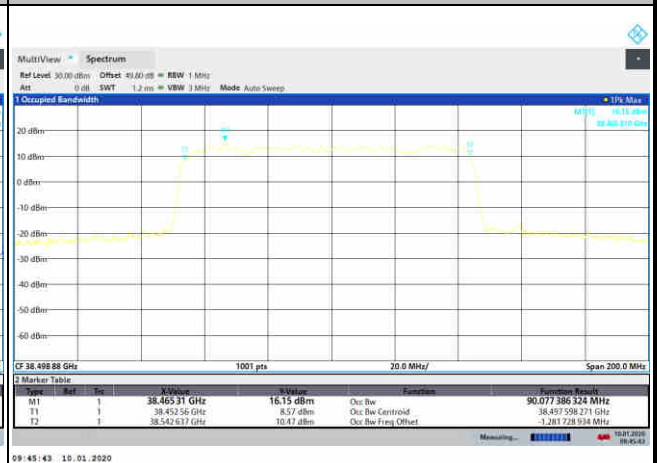
## Lowest Channel / 100MHz / QPSK



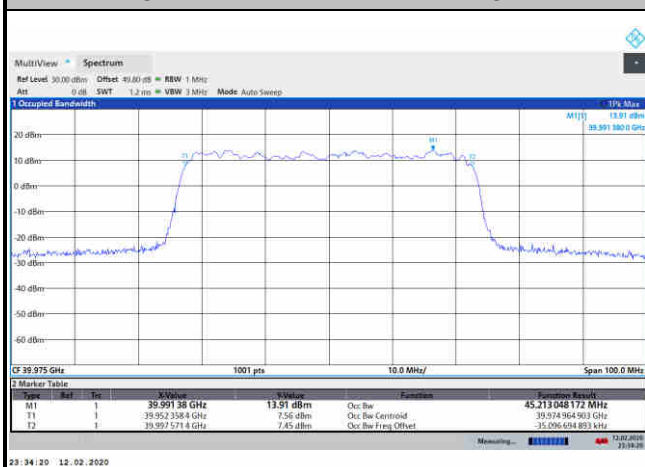
## Middle Channel / 50MHz / 64QAM



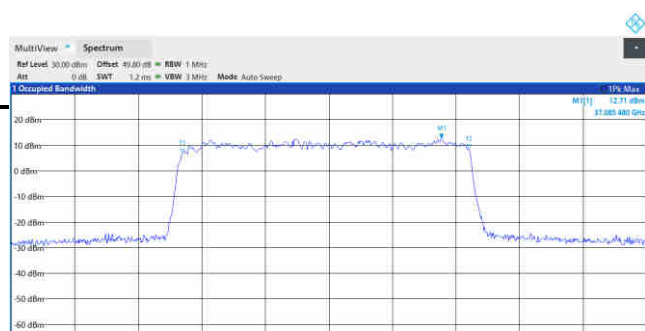
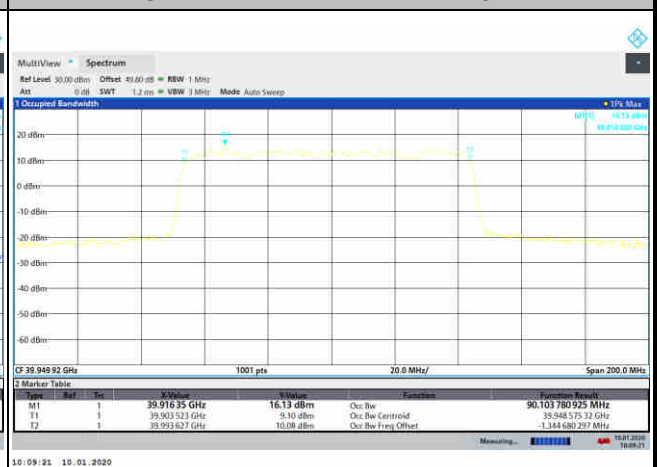
## Middle Channel / 100MHz / QPSK

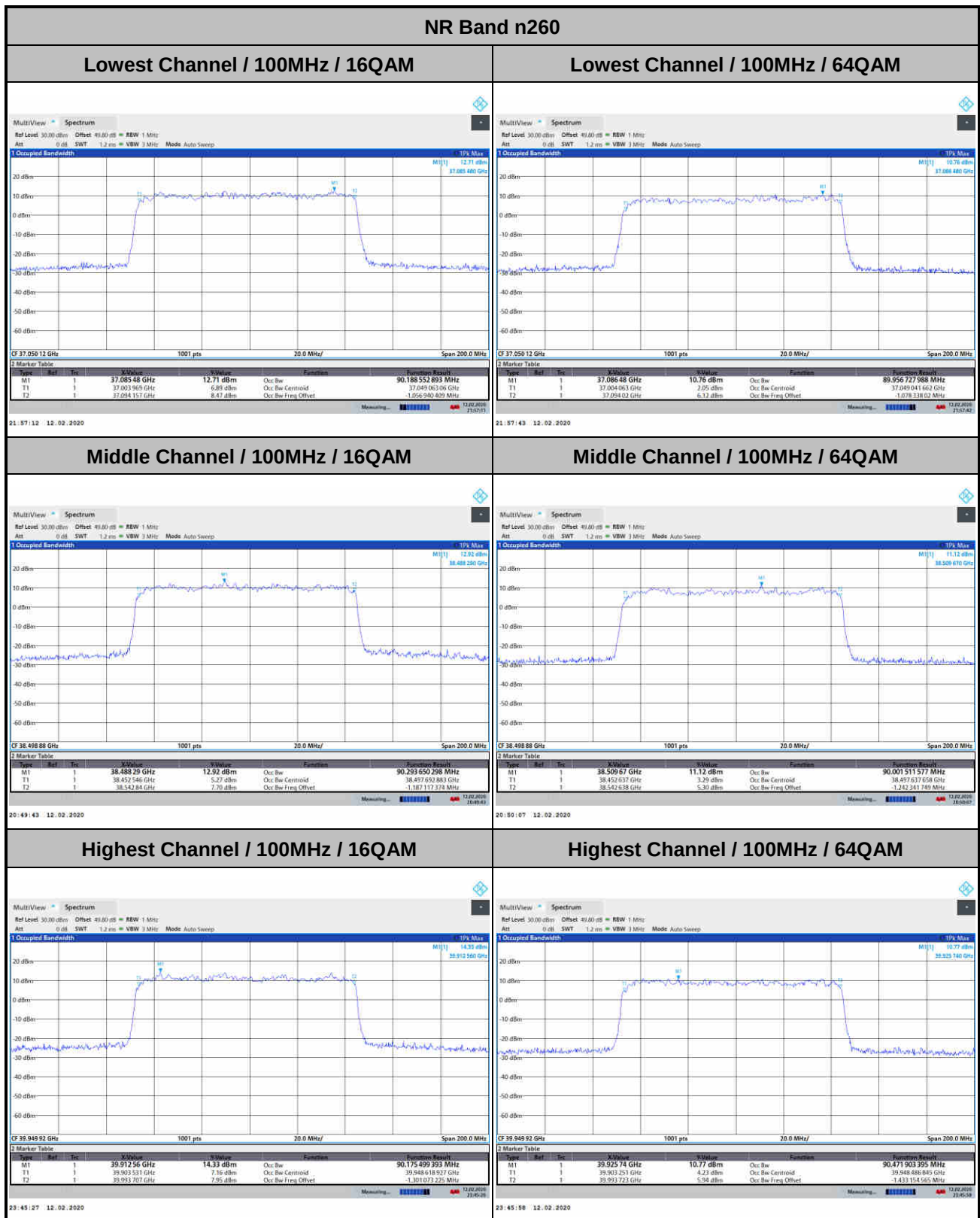


## Highest Channel / 50MHz / 64QAM



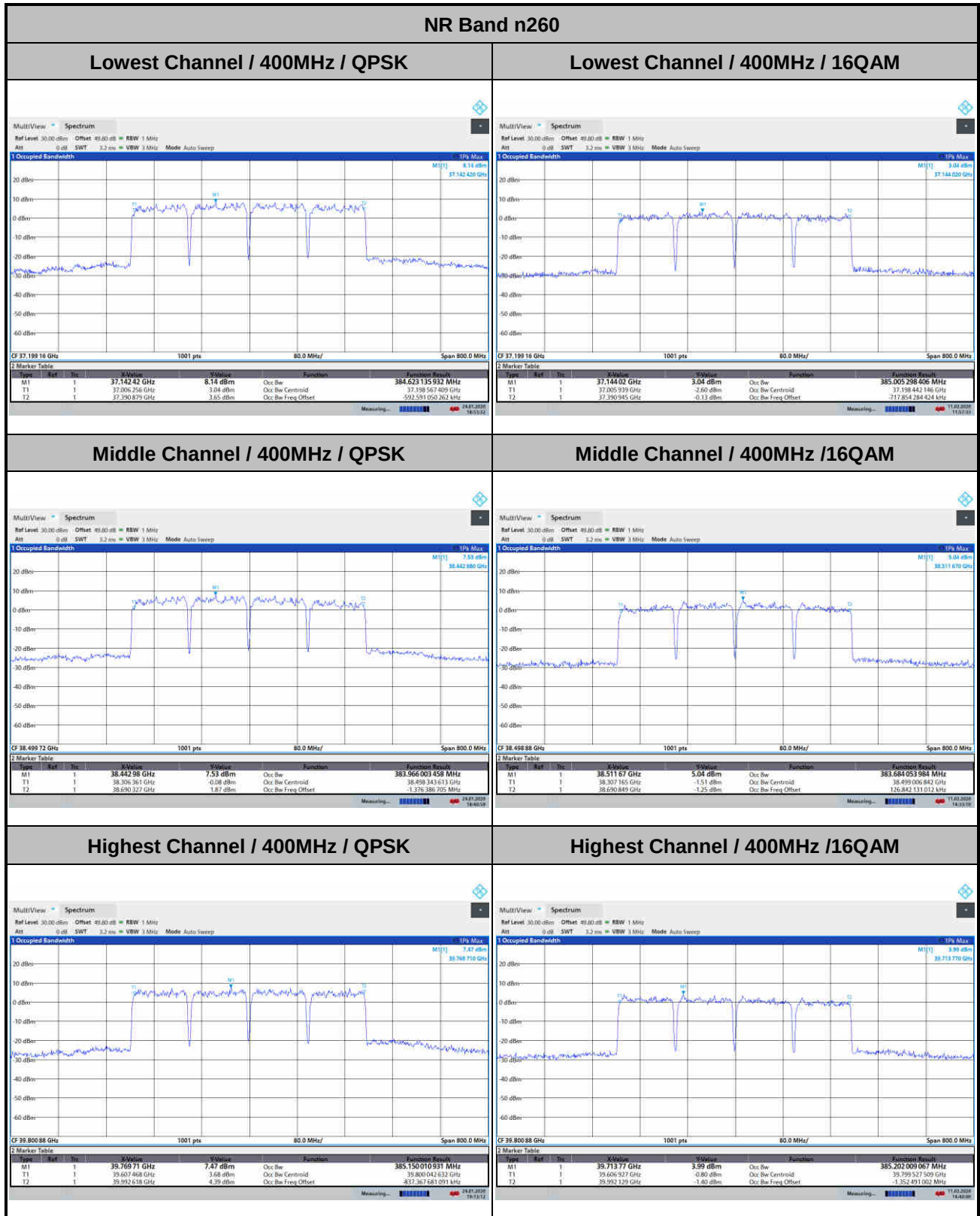
## Highest Channel / 100MHz / QPSK



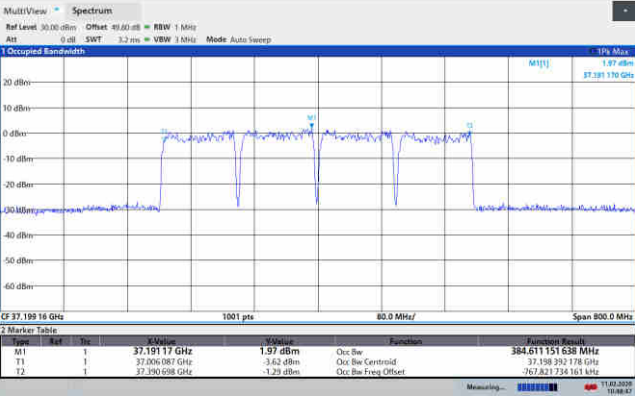
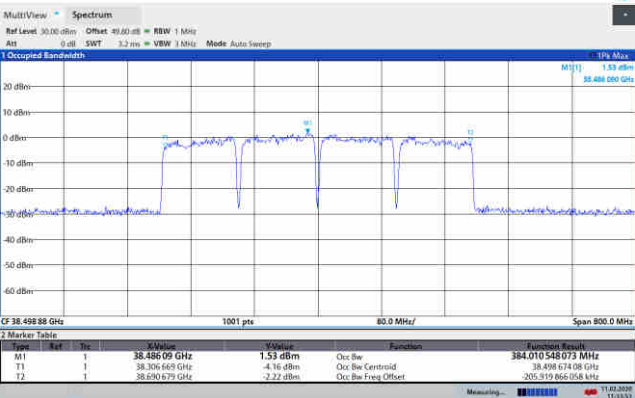
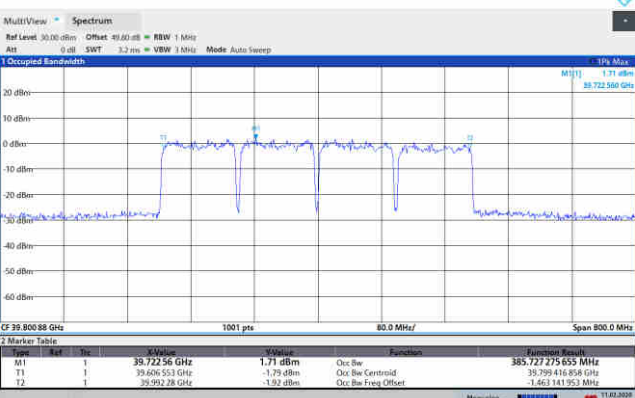




## Module 2



## Module 2

| NR Band n260                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                |           |                    |                      |                 |    |   |               |          |        |                     |    |   |                |           |                 |                    |    |   |                |           |                    |                      |                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|-----------|--------------------|----------------------|-----------------|----|---|---------------|----------|--------|---------------------|----|---|----------------|-----------|-----------------|--------------------|----|---|----------------|-----------|--------------------|----------------------|---------------------|
| Lowest Channel / 400MHz / 64QAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |                |           |                    |                      |                 |    |   |               |          |        |                     |    |   |                |           |                 |                    |    |   |                |           |                    |                      |                     |
|  <table><thead><tr><th>Type</th><th>Ref</th><th>Val</th><th>dBm</th><th>Function</th><th>Function Result</th></tr></thead><tbody><tr><td>M1</td><td>1</td><td>37.191 17 GHz</td><td>1.97 dBm</td><td>Occ BW</td><td>384.611 151 538 MHz</td></tr><tr><td>T1</td><td>1</td><td>37.006 087 GHz</td><td>-3.62 dBm</td><td>Occ BW Centroid</td><td>37.598 292 178 GHz</td></tr><tr><td>T2</td><td>1</td><td>37.390 098 GHz</td><td>-1.29 dBm</td><td>Occ BW Freq Offset</td><td>-767.821 734 161 kHz</td></tr></tbody></table> | Type | Ref            | Val       | dBm                | Function             | Function Result | M1 | 1 | 37.191 17 GHz | 1.97 dBm | Occ BW | 384.611 151 538 MHz | T1 | 1 | 37.006 087 GHz | -3.62 dBm | Occ BW Centroid | 37.598 292 178 GHz | T2 | 1 | 37.390 098 GHz | -1.29 dBm | Occ BW Freq Offset | -767.821 734 161 kHz | intentionally blank |
| Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Ref  | Val            | dBm       | Function           | Function Result      |                 |    |   |               |          |        |                     |    |   |                |           |                 |                    |    |   |                |           |                    |                      |                     |
| M1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1    | 37.191 17 GHz  | 1.97 dBm  | Occ BW             | 384.611 151 538 MHz  |                 |    |   |               |          |        |                     |    |   |                |           |                 |                    |    |   |                |           |                    |                      |                     |
| T1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1    | 37.006 087 GHz | -3.62 dBm | Occ BW Centroid    | 37.598 292 178 GHz   |                 |    |   |               |          |        |                     |    |   |                |           |                 |                    |    |   |                |           |                    |                      |                     |
| T2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1    | 37.390 098 GHz | -1.29 dBm | Occ BW Freq Offset | -767.821 734 161 kHz |                 |    |   |               |          |        |                     |    |   |                |           |                 |                    |    |   |                |           |                    |                      |                     |
| Middle Channel / 400MHz / 64QAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |                |           |                    |                      |                 |    |   |               |          |        |                     |    |   |                |           |                 |                    |    |   |                |           |                    |                      |                     |
|  <table><thead><tr><th>Type</th><th>Ref</th><th>Val</th><th>dBm</th><th>Function</th><th>Function Result</th></tr></thead><tbody><tr><td>M1</td><td>1</td><td>38.486 09 GHz</td><td>1.53 dBm</td><td>Occ BW</td><td>384.010 548 073 MHz</td></tr><tr><td>T1</td><td>1</td><td>38.306 649 GHz</td><td>-4.16 dBm</td><td>Occ BW Centroid</td><td>38.498 674 08 GHz</td></tr><tr><td>T2</td><td>1</td><td>38.660 679 GHz</td><td>-2.22 dBm</td><td>Occ BW Freq Offset</td><td>205.319 866 058 kHz</td></tr></tbody></table>  | Type | Ref            | Val       | dBm                | Function             | Function Result | M1 | 1 | 38.486 09 GHz | 1.53 dBm | Occ BW | 384.010 548 073 MHz | T1 | 1 | 38.306 649 GHz | -4.16 dBm | Occ BW Centroid | 38.498 674 08 GHz  | T2 | 1 | 38.660 679 GHz | -2.22 dBm | Occ BW Freq Offset | 205.319 866 058 kHz  | intentionally blank |
| Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Ref  | Val            | dBm       | Function           | Function Result      |                 |    |   |               |          |        |                     |    |   |                |           |                 |                    |    |   |                |           |                    |                      |                     |
| M1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1    | 38.486 09 GHz  | 1.53 dBm  | Occ BW             | 384.010 548 073 MHz  |                 |    |   |               |          |        |                     |    |   |                |           |                 |                    |    |   |                |           |                    |                      |                     |
| T1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1    | 38.306 649 GHz | -4.16 dBm | Occ BW Centroid    | 38.498 674 08 GHz    |                 |    |   |               |          |        |                     |    |   |                |           |                 |                    |    |   |                |           |                    |                      |                     |
| T2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1    | 38.660 679 GHz | -2.22 dBm | Occ BW Freq Offset | 205.319 866 058 kHz  |                 |    |   |               |          |        |                     |    |   |                |           |                 |                    |    |   |                |           |                    |                      |                     |
| Highest Channel / 400MHz / 64QAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |                |           |                    |                      |                 |    |   |               |          |        |                     |    |   |                |           |                 |                    |    |   |                |           |                    |                      |                     |
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| Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Ref  | Val            | dBm       | Function           | Function Result      |                 |    |   |               |          |        |                     |    |   |                |           |                 |                    |    |   |                |           |                    |                      |                     |
| M1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1    | 39.722 56 GHz  | 1.71 dBm  | Occ BW             | 385.727 275 655 MHz  |                 |    |   |               |          |        |                     |    |   |                |           |                 |                    |    |   |                |           |                    |                      |                     |
| T1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1    | 39.626 553 GHz | -1.79 dBm | Occ BW Centroid    | 39.789 416 958 GHz   |                 |    |   |               |          |        |                     |    |   |                |           |                 |                    |    |   |                |           |                    |                      |                     |
| T2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1    | 39.992 28 GHz  | -1.92 dBm | Occ BW Freq Offset | -1.463 141 953 MHz   |                 |    |   |               |          |        |                     |    |   |                |           |                 |                    |    |   |                |           |                    |                      |                     |

## Radiated Out of Band Emissions

| Mode        |         |      | Module 0 NR Band n260 : BE (dBm) |        |        |        |        |        |        |        |        |
|-------------|---------|------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| BW          |         |      | 50MHz                            |        |        | 100MHz |        |        | 400MHz |        |        |
| Mod.        |         |      | QPSK                             | 16QAM  | 64QAM  | QPSK   | 16QAM  | 64QAM  | QPSK   | 16QAM  | 64QAM  |
| Limit (dBm) |         |      |                                  |        |        |        |        |        |        |        |        |
| Low CH      | 0~10%OB | ≤-5  | -7.68                            | -17.77 | -11.83 | -8.50  | -10.89 | -14.58 | -32.77 | -34.79 | -35.90 |
|             | >10%OB  | ≤-13 | -26.24                           | -19.35 | -31.33 | -25.96 | -28.87 | -31.07 | -32.54 | -35.56 | -36.31 |
| High CH     | 0~10%OB | ≤-5  | -11.66                           | -5.46  | -15.93 | -11.14 | -13.38 | -16.77 | -33.97 | -34.48 | -34.45 |
|             | >10%OB  | ≤-13 | -27.66                           | -24.47 | -30.31 | -27.66 | -28.61 | -31.14 | -34.72 | -34.94 | -35.36 |
| Result      |         |      | Compliance                       |        |        |        |        |        |        |        |        |

| Mode        |         |      | Module 1 NR Band n260 : BE (dBm) |        |        |        |        |        |        |        |        |
|-------------|---------|------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| BW          |         |      | 50MHz                            |        |        | 100MHz |        |        | 400MHz |        |        |
| Limit (dBm) |         |      | QPSK                             | 16QAM  | 64QAM  | QPSK   | 16QAM  | 64QAM  | QPSK   | 16QAM  | 64QAM  |
| Low CH      | 0~10%OB | ≤-5  | -10.68                           | -13.92 | -14.72 | -11.93 | -14.26 | -18.14 | -33.37 | -34.61 | -36.67 |
|             | >10%OB  | ≤-13 | -26.48                           | -27.61 | -30.26 | -27.31 | -28.03 | -30.06 | -33.14 | -34.89 | -36.91 |
| High CH     | 0~10%OB | ≤-5  | -11.05                           | -17.47 | -15.26 | -13.04 | -14.60 | -19.18 | -30.31 | -32.98 | -35.16 |
|             | >10%OB  | ≤-13 | -25.20                           | -27.14 | -28.31 | -28.37 | -29.15 | -30.68 | -32.06 | -34.23 | -35.47 |
| Result      |         |      | Compliance                       |        |        |        |        |        |        |        |        |

| Mode        |         |      | Module 2 NR Band n260 : BE (dBm) |        |        |        |        |        |        |        |        |
|-------------|---------|------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| BW          |         |      | 50MHz                            |        |        | 100MHz |        |        | 400MHz |        |        |
| Limit (dBm) |         |      | QPSK                             | 16QAM  | 64QAM  | QPSK   | 16QAM  | 64QAM  | QPSK   | 16QAM  | 64QAM  |
| Low CH      | 0~10%OB | ≤-5  | -9.61                            | -12.15 | -12.74 | -11.59 | -12.02 | -16.44 | -32.39 | -36.01 | -37.08 |
|             | >10%OB  | ≤-13 | -27.07                           | -28.17 | -30.42 | -28.33 | -29.02 | -30.90 | -32.85 | -36.24 | -37.42 |
| High CH     | 0~10%OB | ≤-5  | -10.67                           | -14.27 | -14.99 | -13.53 | -14.85 | -17.26 | -28.62 | -34.18 | -35.51 |
|             | >10%OB  | ≤-13 | -24.54                           | -26.74 | -27.86 | -25.26 | -26.64 | -27.83 | -30.60 | -35.04 | -35.97 |
| Result      |         |      | Compliance                       |        |        |        |        |        |        |        |        |

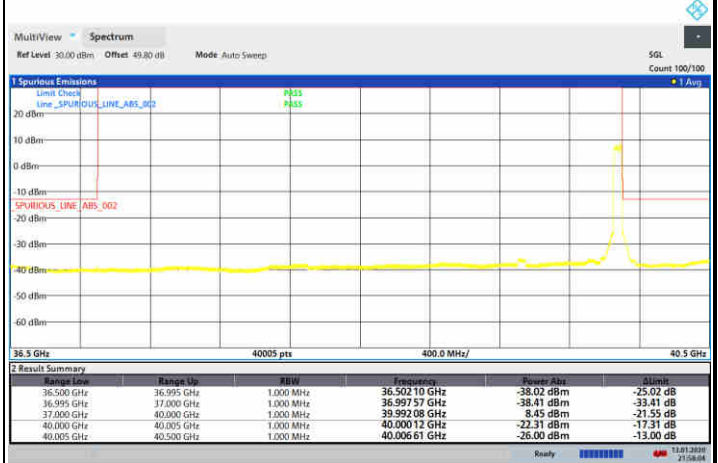


## Module 0

## NR Band n260 / 50MHz / QPSK

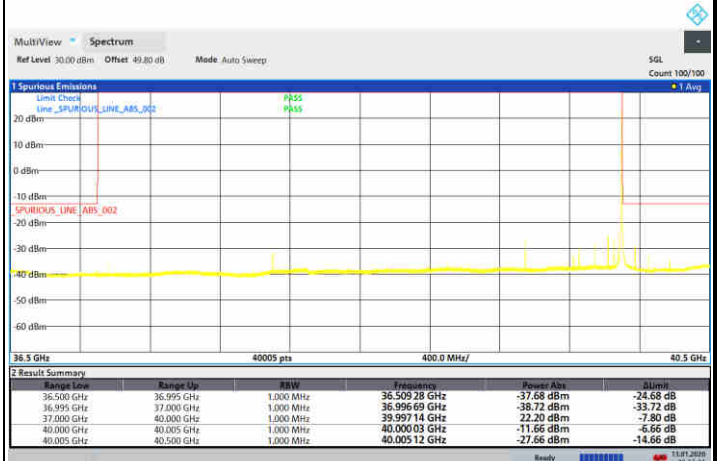
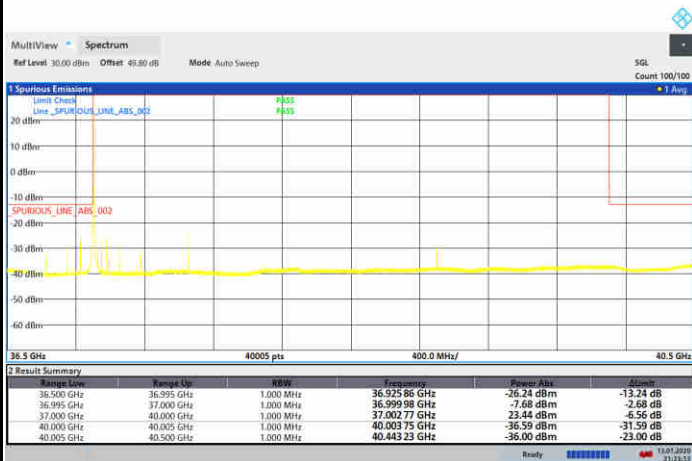
## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB



## Lowest Band Edge / 1 RB

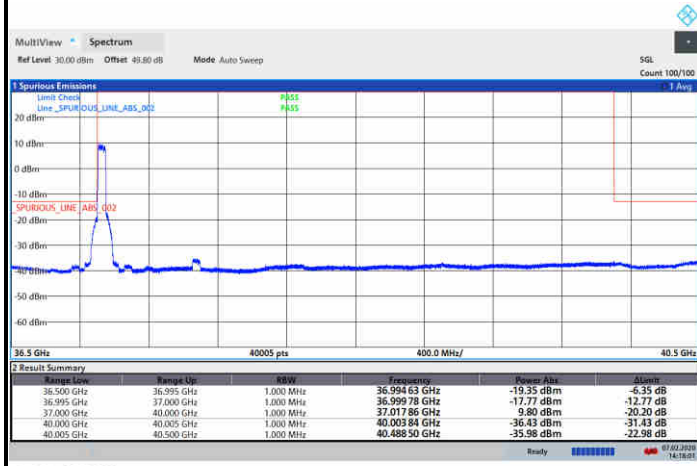
## Highest Band Edge / 1 RB





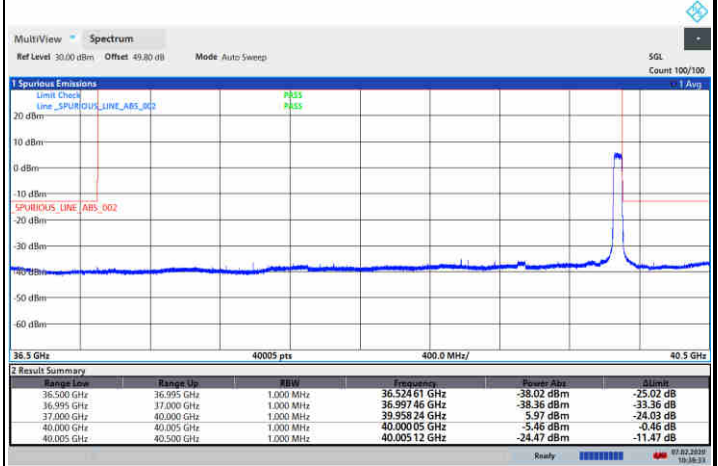
## NR Band n260 / 50MHz / 16QAM

## Lowest Band Edge / Full RB



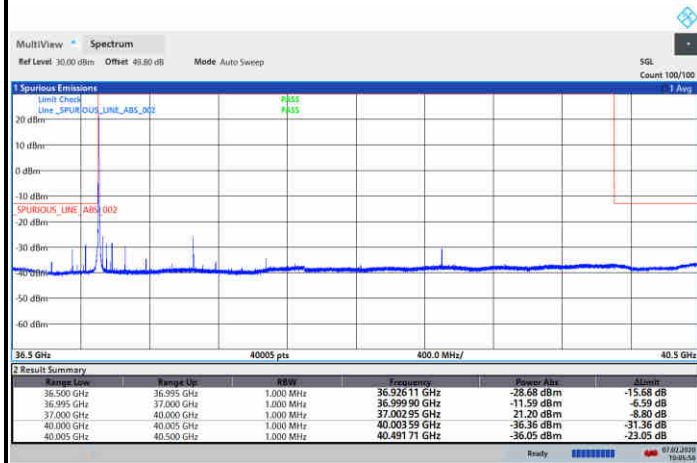
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## Highest Band Edge / Full RB



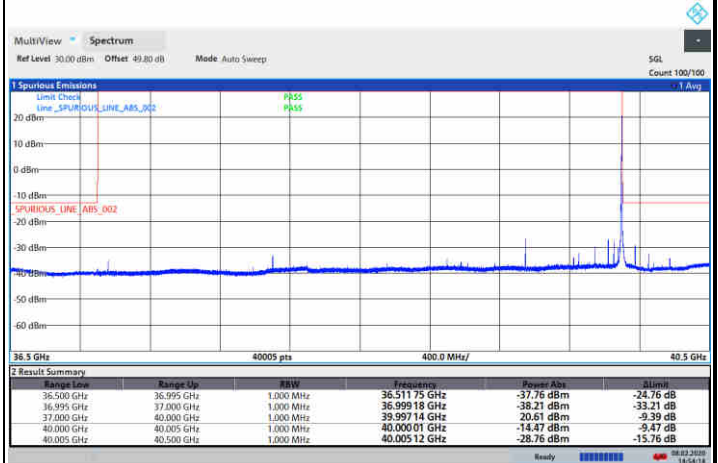
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## Lowest Band Edge / 1 RB



10:05:57 07.02.2020

## Highest Band Edge / 1 RB



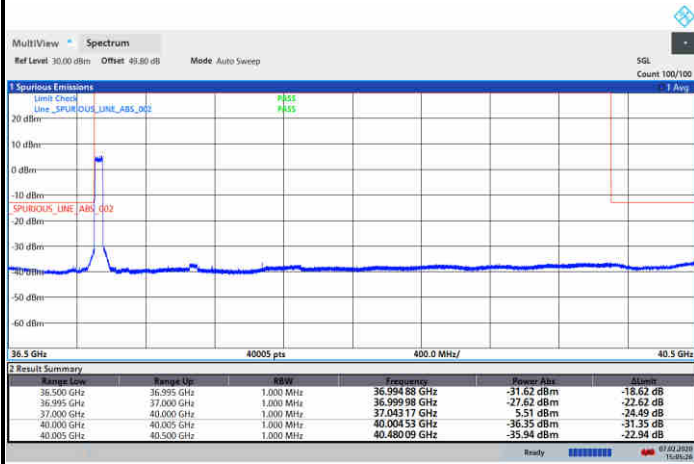
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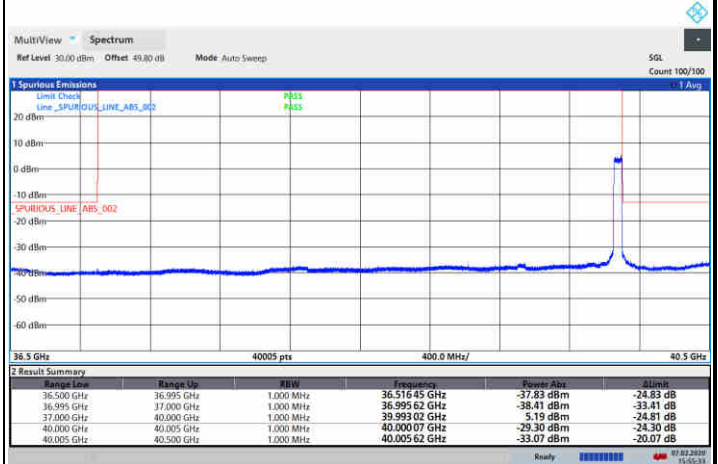
## Module 0

## NR Band n260 / 50MHz / 64QAM

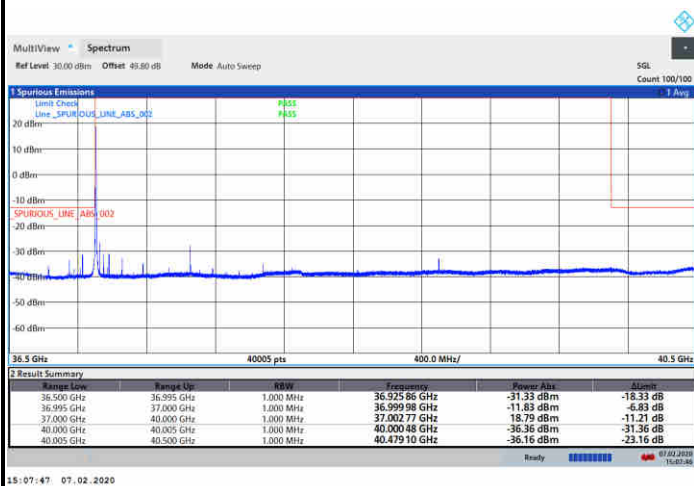
## Lowest Band Edge / Full RB



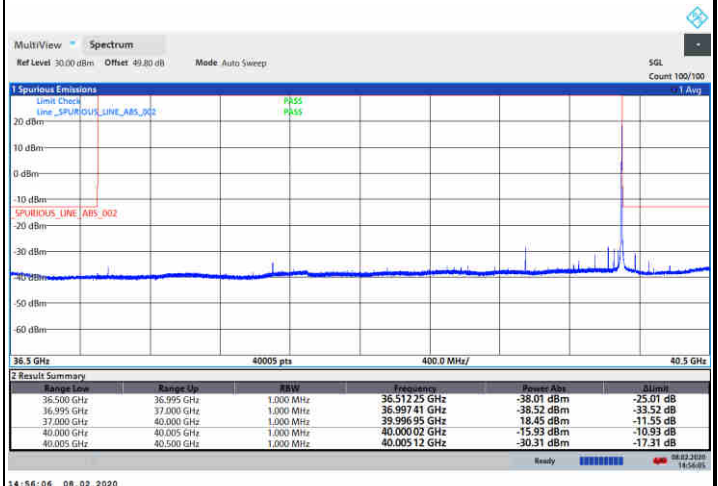
## Highest Band Edge / Full RB



## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB





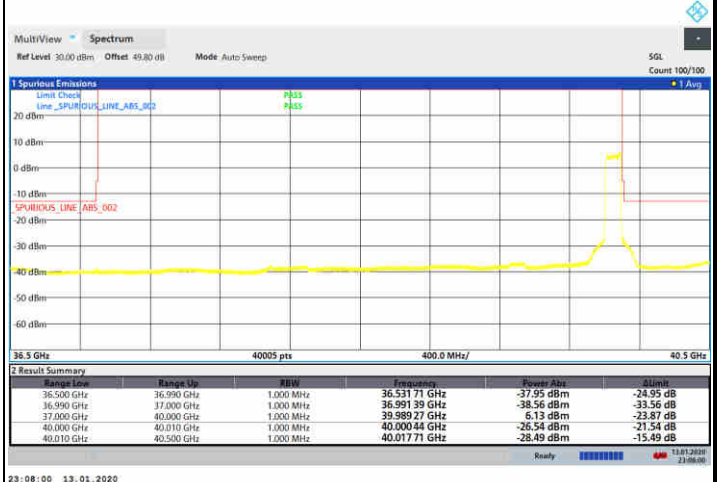
## NR Band n260 / 100MHz / QPSK

## Lowest Band Edge / Full RB



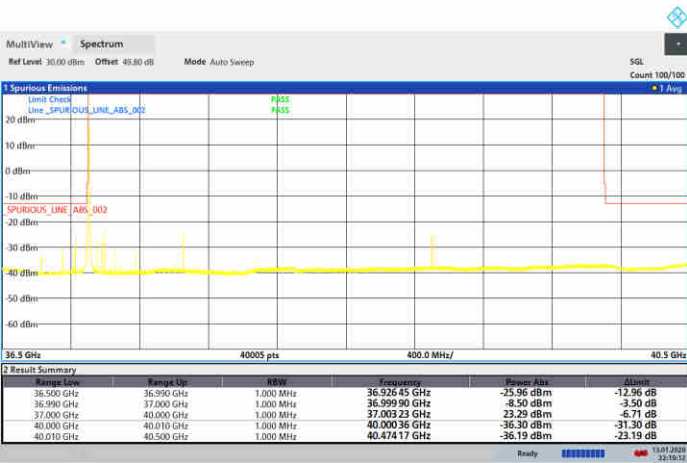
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## Highest Band Edge / Full RB



23:08:00 13.01.2020

## Lowest Band Edge / 1 RB



22:19:13 13.01.2020

## Highest Band Edge / 1 RB



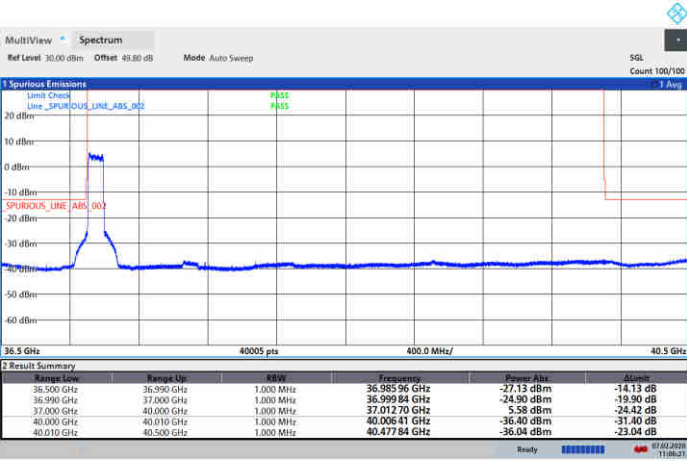
23:04:22 13.01.2020



## Module 0

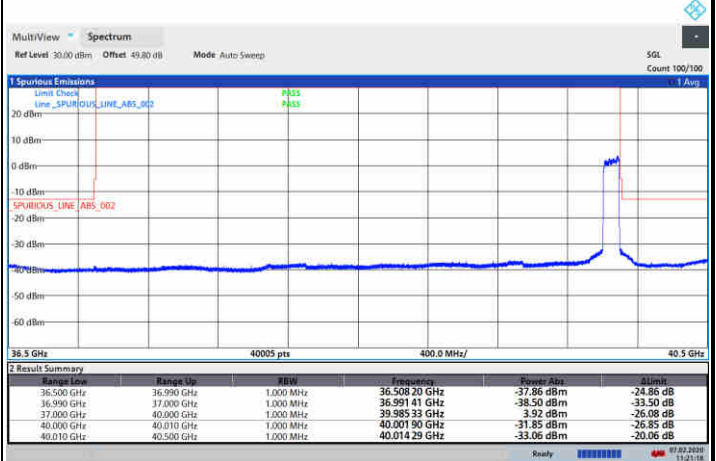
## NR Band n260 / 100MHz / 16QAM

## Lowest Band Edge / Full RB



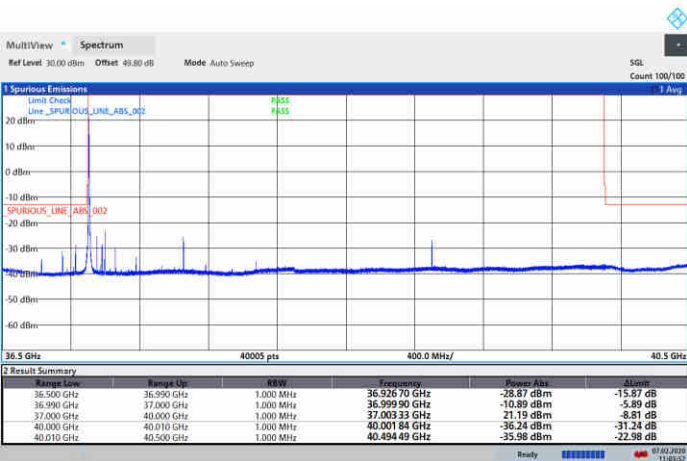
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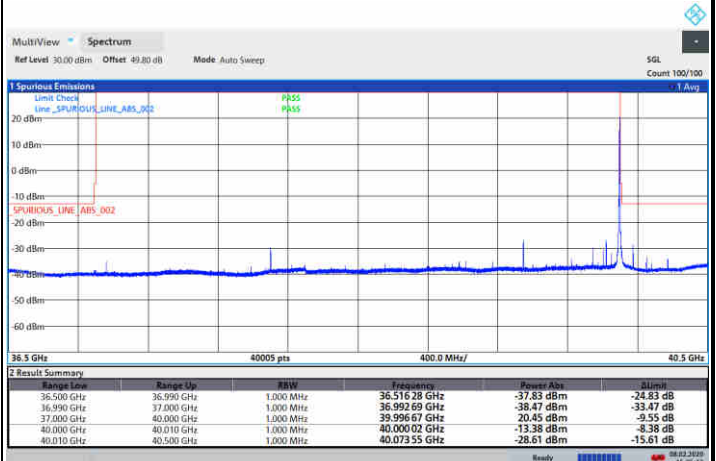
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## Lowest Band Edge / 1 RB



11:03:57 07.02.2020

## Highest Band Edge / 1 RB

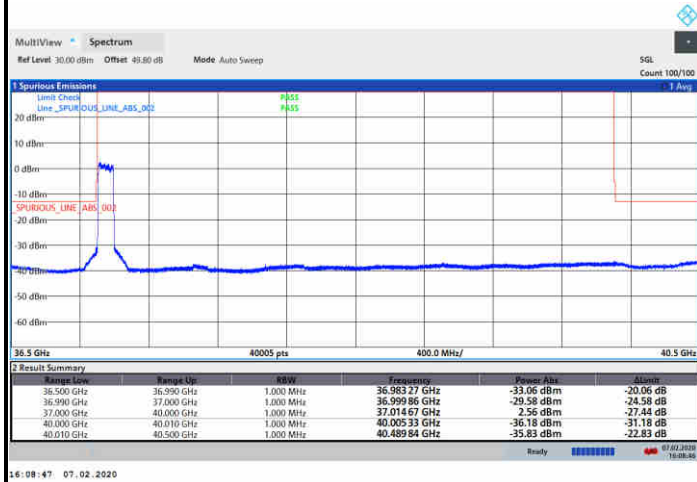


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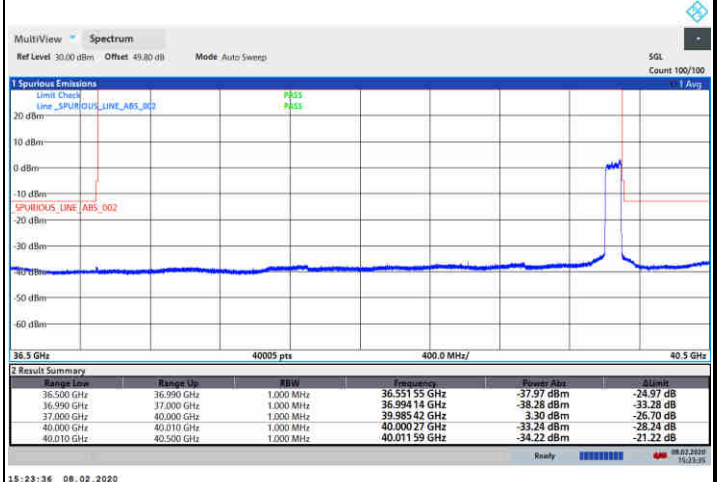


## NR Band n260 / 100MHz / 64QAM

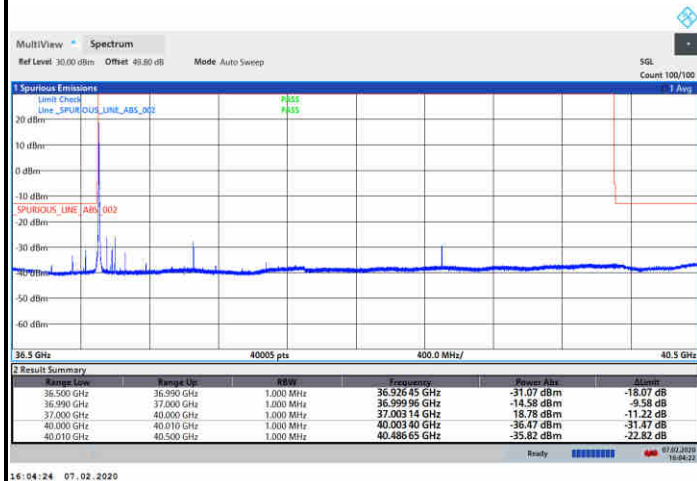
## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB



## Lowest Band Edge / 1RB



## Highest Band Edge / 1 RB

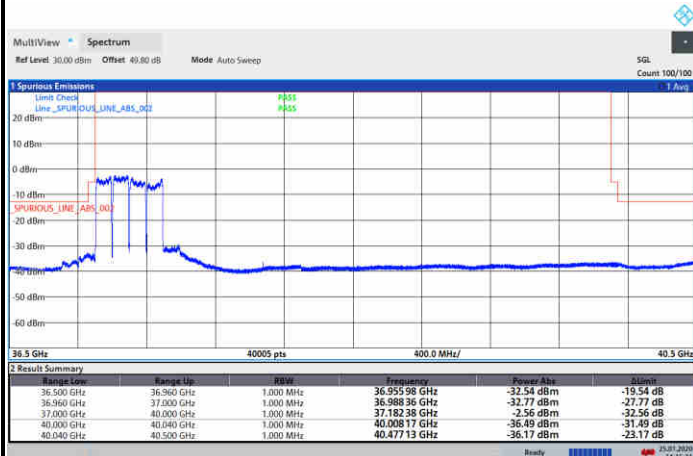




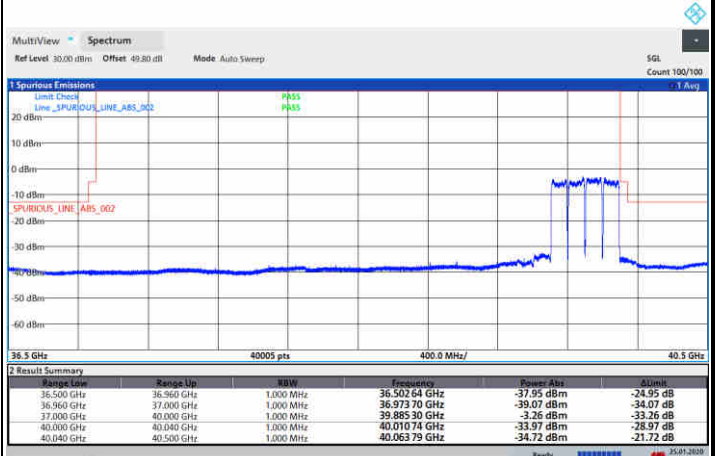
## Module 0

## NR Band n260 / 400MHz / QPSK

## Lowest Band Edge / Full RB

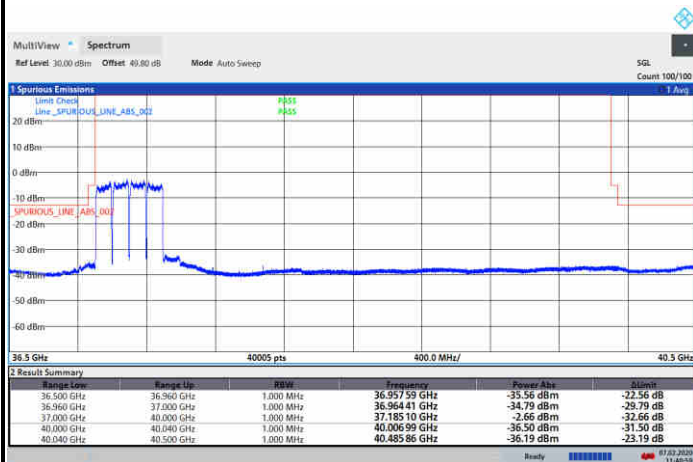


## Highest Band Edge / Full RB

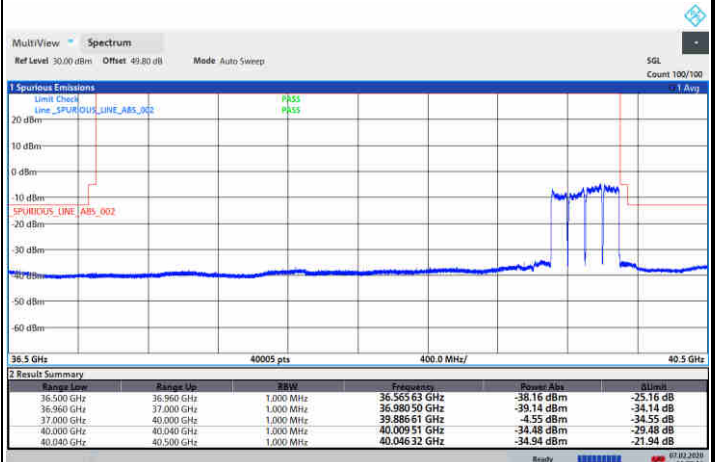


## NR Band n260 / 400MHz / 16QAM

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB



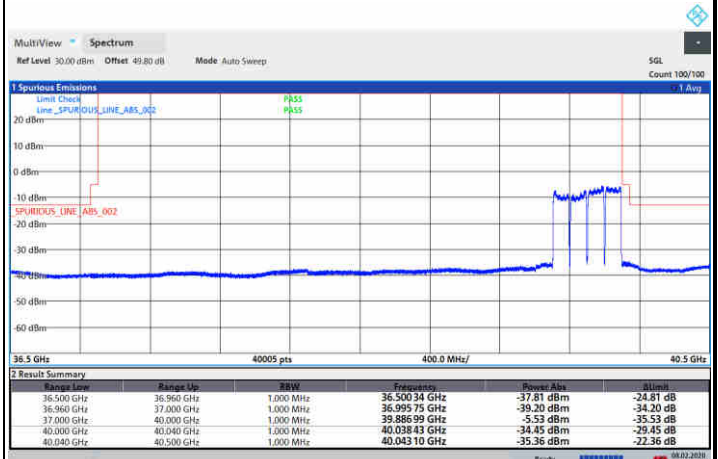
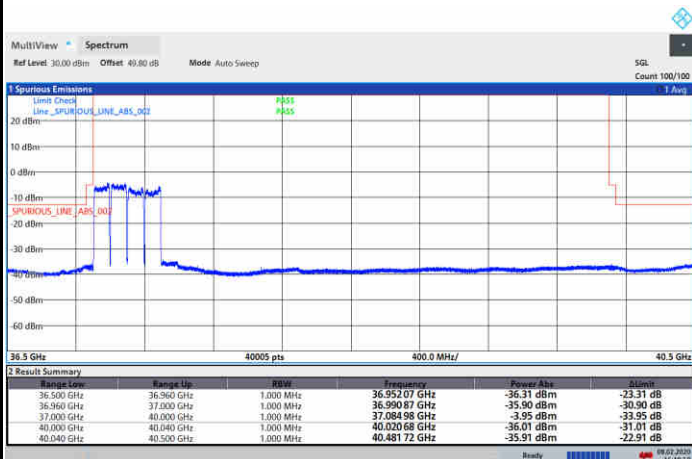


## Module 0

## NR Band n260 / 400MHz / 64QAM

## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB



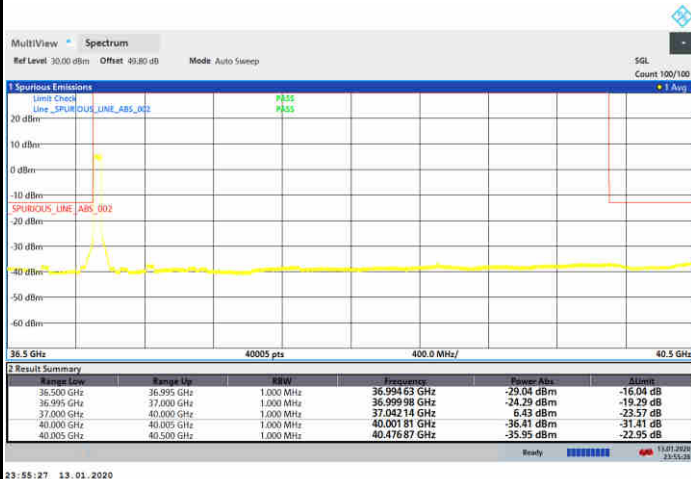


## Module 1

## NR Band n260 / 50MHz / QPSK

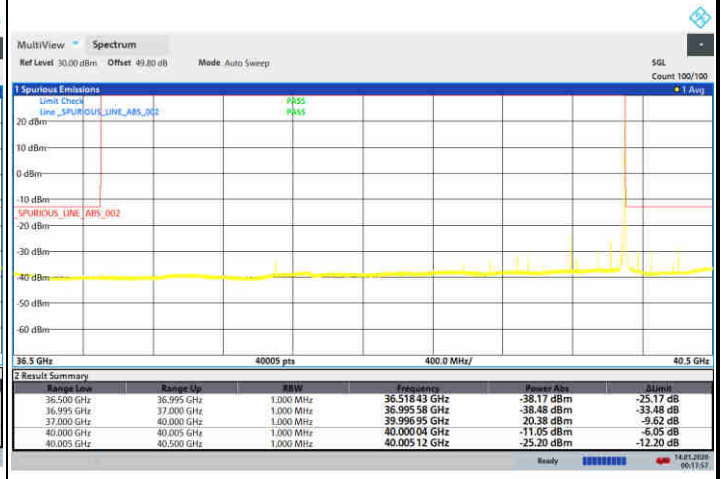
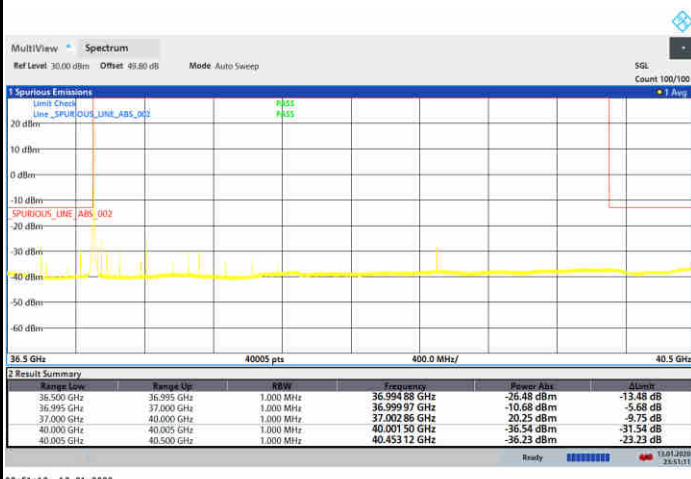
## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB



## Lowest Band Edge / 1 RB

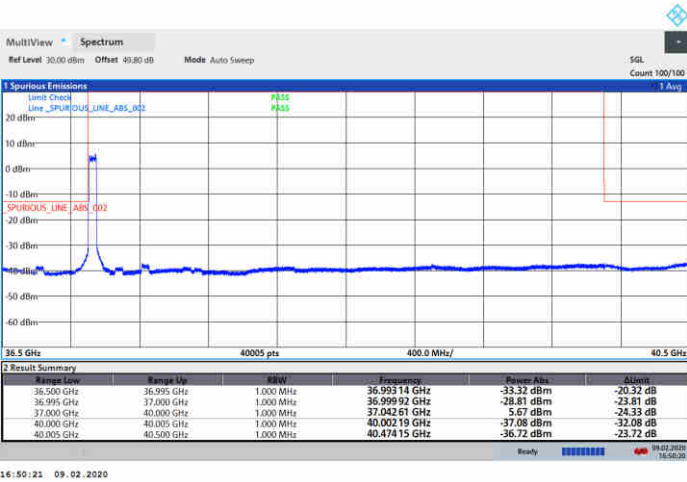
## Highest Band Edge / 1 RB



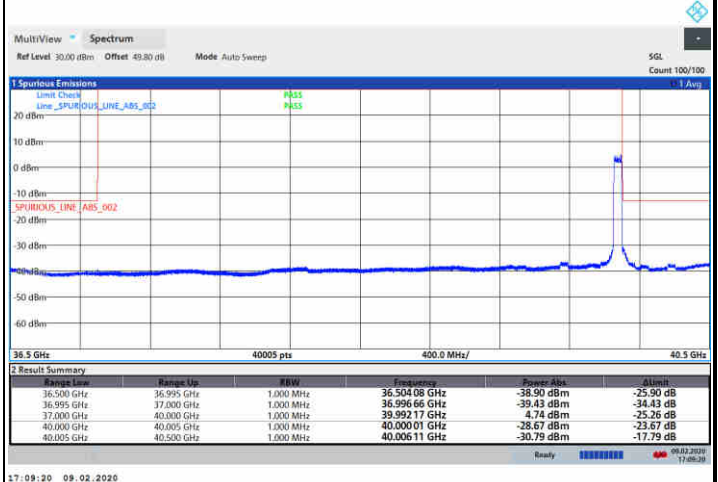


## NR Band n260 / 50MHz / 16QAM

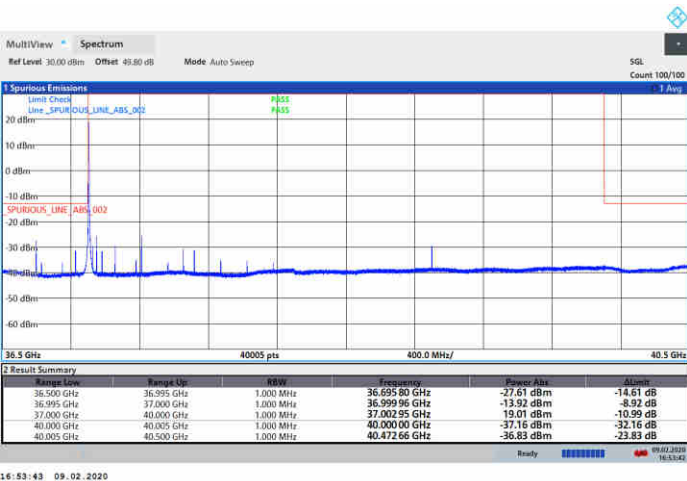
## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB



## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB

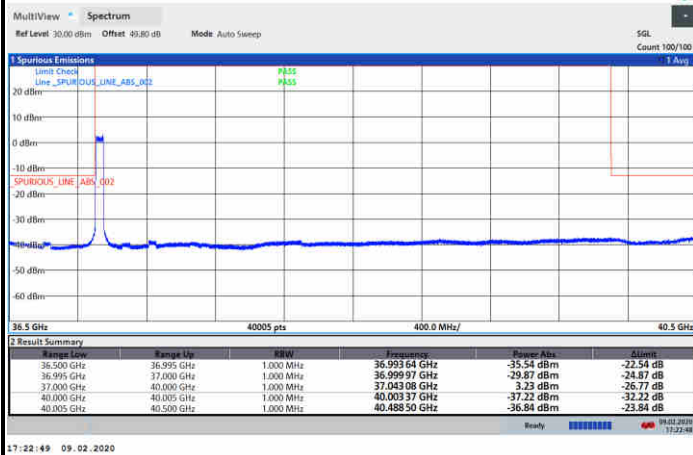




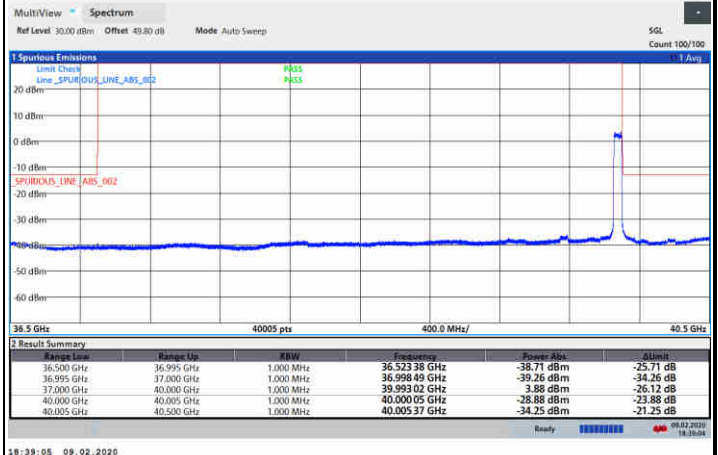
## Module 1

## NR Band n260 / 50MHz / 64QAM

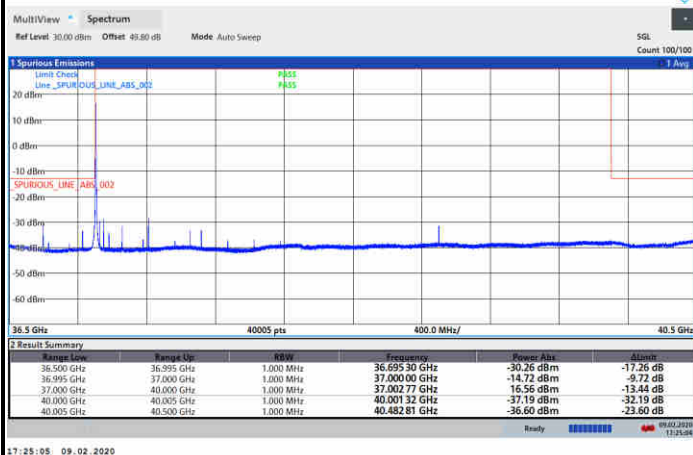
## Lowest Band Edge / Full RB



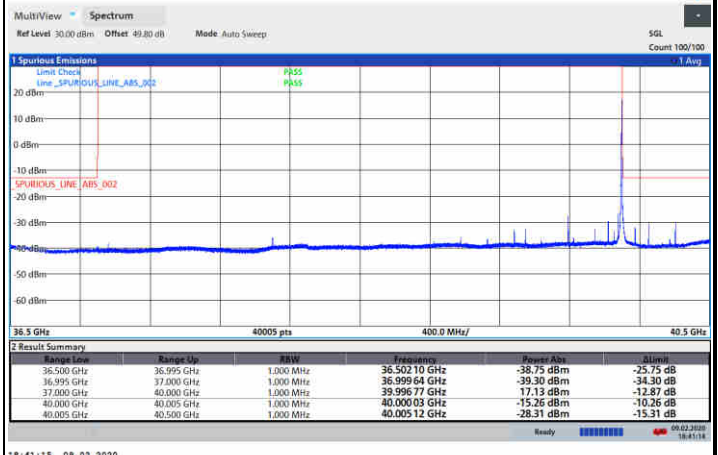
## Highest Band Edge / Full RB



## Lowest Band Edge / 1 RB



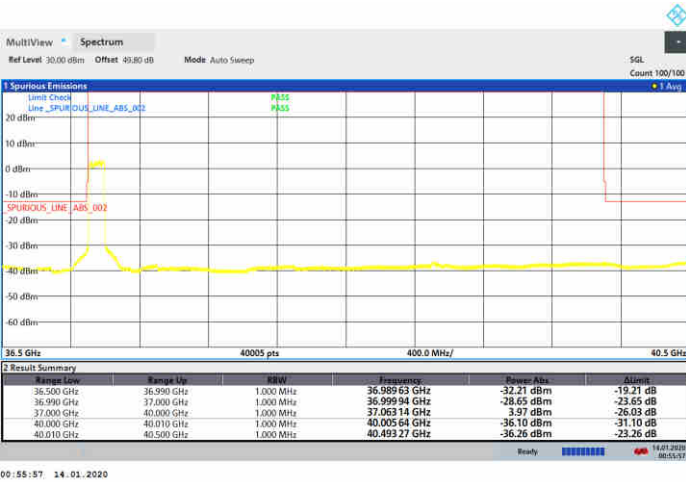
## Highest Band Edge / 1 RB





## NR Band n260 / 100MHz / QPSK

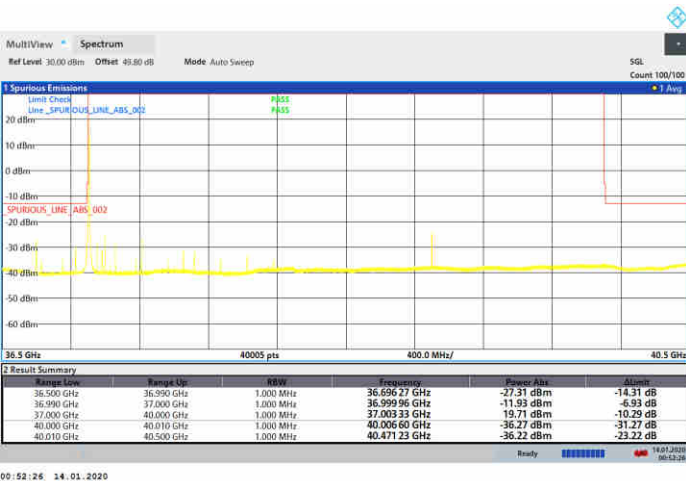
## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB



## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



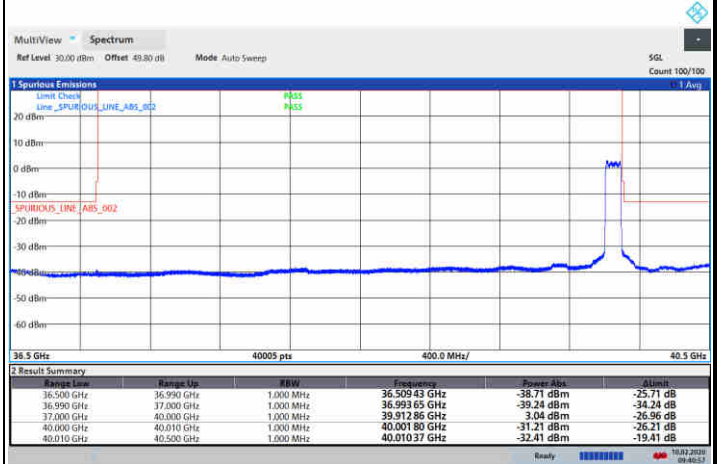
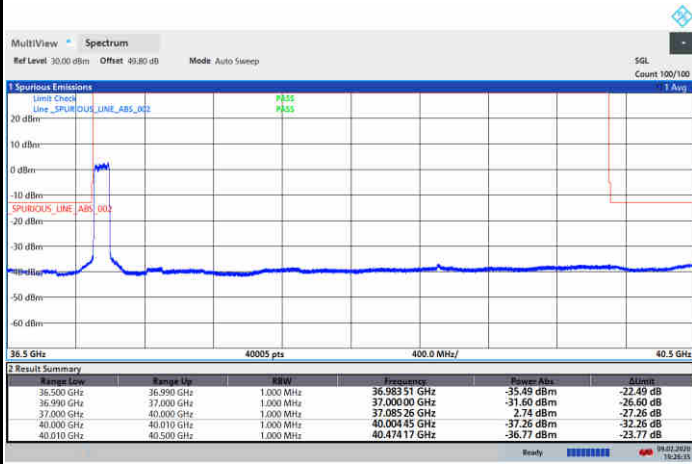


## Module 1

## NR Band n260 / 100MHz / 16QAM

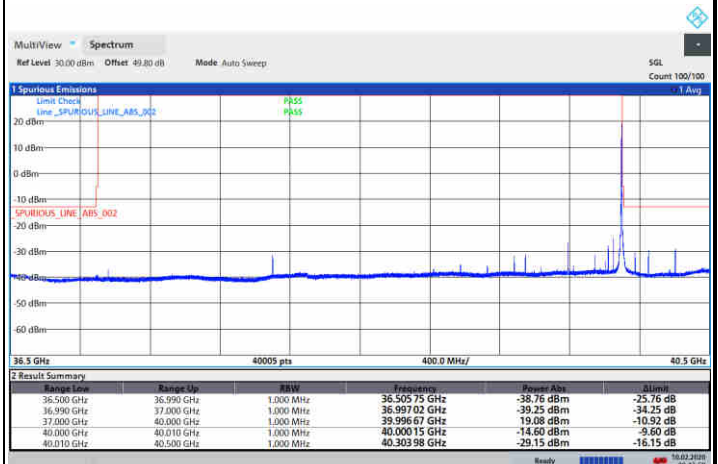
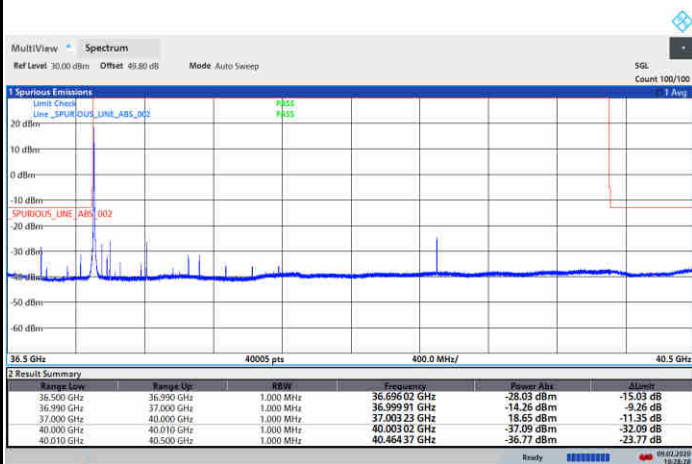
## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB



## Lowest Band Edge / 1 RB

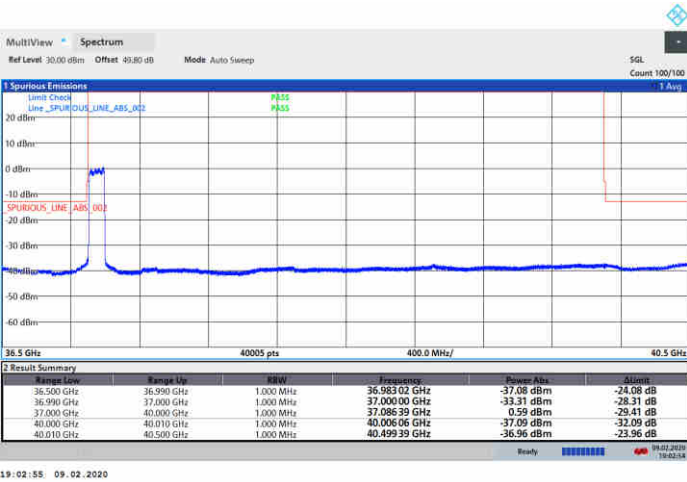
## Highest Band Edge / 1 RB





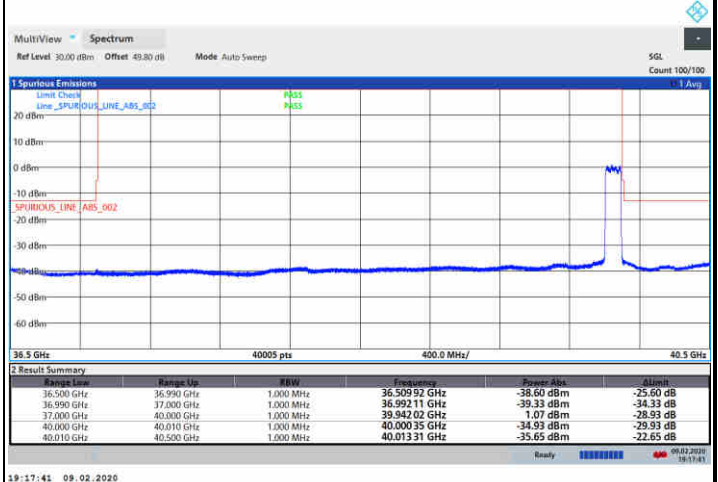
## NR Band n260 / 100MHz / 64QAM

## Lowest Band Edge / Full RB



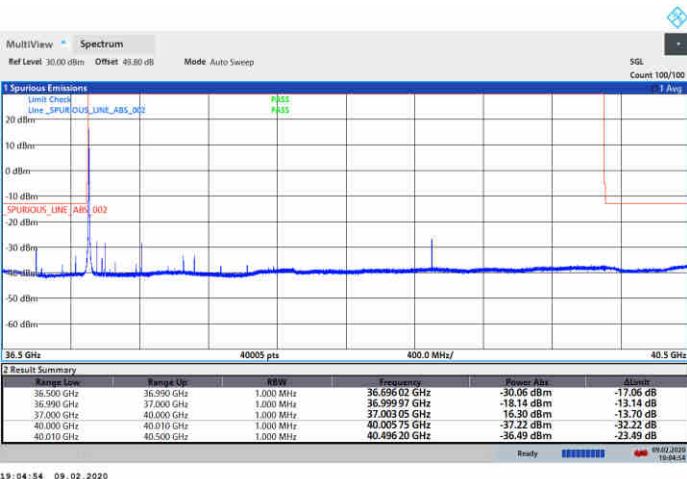
19:02:55 09.02.2020

## Highest Band Edge / Full RB



19:17:41 09.02.2020

## Lowest Band Edge / 1 RB



19:04:54 09.02.2020

## Highest Band Edge / 1 RB



19:19:51 09.02.2020