



# FCC RADIO TEST REPORT

**FCC ID** : PKRISGM2100  
**Equipment** : Wireless Hotspot Modem  
**Brand Name** : Inseego  
**Model Name** : M2100  
**Marketing Name** : M2100  
**Applicant** : Inseego Corporation  
9710 Scranton Road Suite 200, San Diego, CA 92121  
**Manufacturer** : Inseego Corporation  
9710 Scranton Road Suite 200, San Diego, CA 92121  
**Standard** : FCC 47 CFR Part 2, and 30

The product was received on May 15, 2020 and testing was started from Oct. 09, 2020 and completed on Nov. 05, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures ANSI C63.26-2015 and has been in compliance with the applicable technical standards.

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

*Louis Wu*

Approved by: Louis Wu

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



## 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 .....	5
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
<b>4 List of Measuring Equipment.....</b>	<b>16</b>
<b>5 Uncertainty of Evaluation .....</b>	<b>17</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
FG041648-03G	01	Initial issue of report	Nov. 09, 2020



### Summary of Test Result

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

**Remark:** This is a variant report which enable FR2(mmWave) 2CC UL CA for n260G & n261G via software All the test cases were performed on original report which can be referred to Sporton Report Number FG041648-02G. Based on the original report, the test cases were verified.

<b>Declaration of Conformity:</b>
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
<b>Comments and Explanations:</b>
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: Wii Chang

Report Producer: Dara Chiu

# 1 General Description

## 1.1 Feature of Equipment Under Test

Product Feature & Specification	
Equipment	Wireless Hotspot Modem
Brand Name	Inseego
Model Name	M2100
Marketing Name	M2100
FCC ID	PKRISGM2100
EUT supports Radios application	WCDMA/HSPA/LTE/5G NR/GNSS WLAN 11b/g/n HT20/HT40 WLAN 11a/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 WLAN 11ax HE20/HE40/HE80
EUT Stage	Production Unit

## 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 NR band n261: 27.5GHz ~ 28.35GHz
Rx Frequency	NR band n260: 37GHz ~ 40GHz NR band n261: 27.5GHz ~ 28.35GHz
Support Bandwidth	NR band n260: 50 MHz and 100 MHz NR band n261: 50 MHz and 100 MHz
Maximum Number of contiguous CC	2
Maximum Aggregated Bandwidth	200MHz (for Uplink)
Maximum Output Power (EIRP)	NR band n260: Module 0: 17.84 dBm <b>Module 1: 17.89 dBm</b> NR band n261: Module 0: 17.27 dBm <b>Module 1: 17.87 dBm</b>
Type of Modulation	CP-OFDM: QPSK / 16QAM / 64QAM DFT-s-OFDM: Pi/2 BPSK/QPSK / 16QAM / 64QAM

Note 1: Highest EIRP was measured on Module 1, single beam case for n260 band.

Note 2: Highest EIRP was measured on Module 1, single beam case for n261 band.

## 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. EMC & Wireless Communications Laboratory			
<b>Test Site Location</b>	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855			
<b>Test Site Information</b>	Site No.	Engineer	Temperature	Humidity
	03CH10-HY	Donny Tang	24~25°C	58~62%
	03CH18-HY	Steven Wu, Quentin Liu, and Cheng Wei	22.5~25.6°C	54.8~66.6%

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 v01r01

**Remark:**

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. The TAF code is not including all the FCC KDB listed without accreditation.



## 2 Test Configuration of Equipment Under Test

EUT has total 2 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.

EUT configured to transmit a single beam at a time and combine the measured value together for both beams by math calculation in linear form method.

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

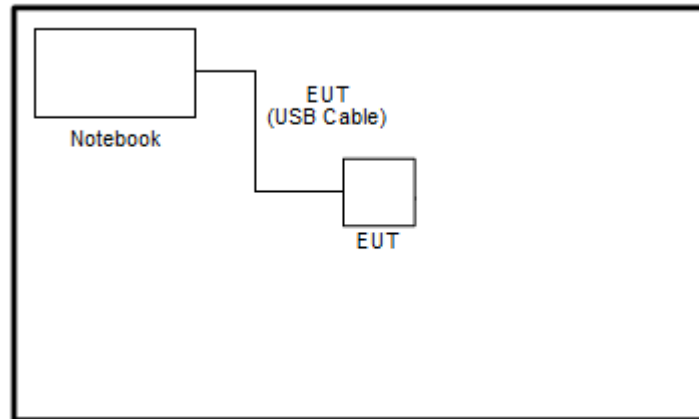
The EUT is forced to operate continuously (100% duty cycle) with maximum output power during the test.

### 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				RB #			Test Channel		
		50	100	200	400	BPSK	QPSK	16QAM	64QAM	1	-	Full	L	M	H
EIRP	n260 n261			V		v	v	v	v	v		v	v	v	v
99% Occupied Bandwidth	n260 n261			V		v	v	v	v			v	v	v	v
Out of Band Emission	n260 n261			V		v	v	v	v	v		v	v		v
Spurious Emission	n260 n261			v		v	v			v			v	v	v
Remark	<ol style="list-style-type: none"> <li>The mark “v “ means that this configuration is chosen for testing.</li> <li>The device is investigated from 30MHz to 200GHz 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.</li> <li>Both modulation type DFT-s OFDM and CP-OFDM are evaluated and reported; the DFT-s-OFDM is only supported by signal beam rather than by beam-paired condition.</li> <li>All the radiated test cases were performed with built-in battery and was controlled by supported unit (Sec.2.2).</li> <li>The EIRP result is the highest power level across horizontal and vertical antenna polarization.</li> <li>The simultaneous transmission of multiple radios, millimeter wave (n260,n261), LTE were verified, and no new emissions were found.</li> </ol>														

## 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	P111G	N/A	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

## 2.4 Measurement Results Explanation Example

According to ANSI C63.26-2015 Section 5.2.7

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

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

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

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 (λ) (m)	Far field R (m) $\geq 2A^2 / \lambda$	Measurement Distance (D) (m)	Distance Factor $20\log(D)$ (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
200	Frequency 1	37050	38450	39850
	Frequency 2	37150	38550	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
200	Frequency 1	27550	27875	28200
	Frequency 2	27650	27975	28300

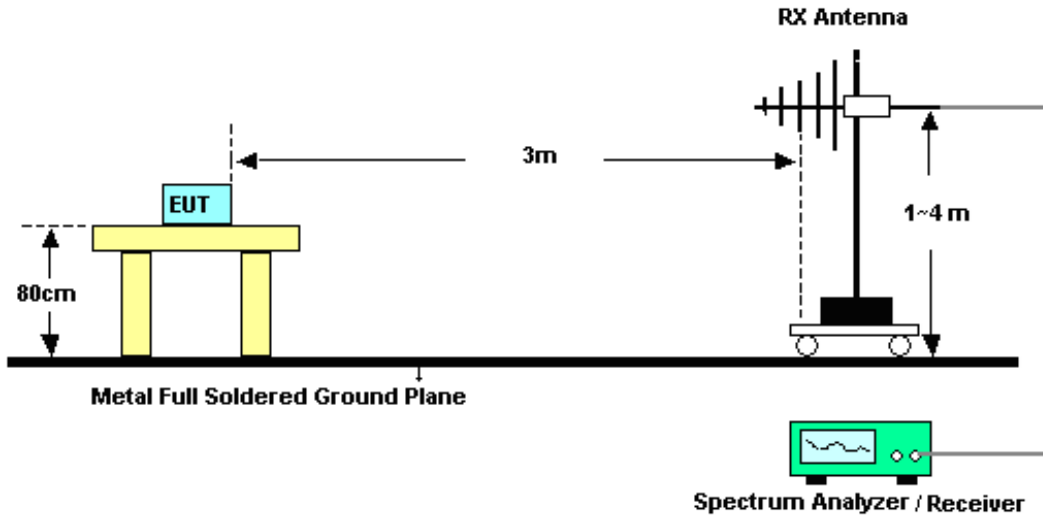
### 3 Radiated Test Items

#### 3.1 Measuring Instruments

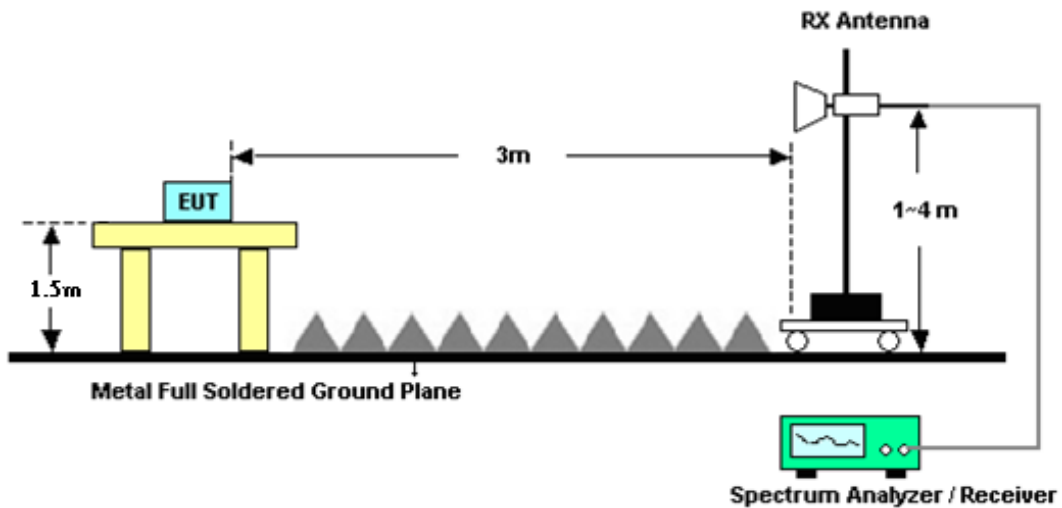
See list of measuring instruments of this test report.

#### 3.2 Test Setup

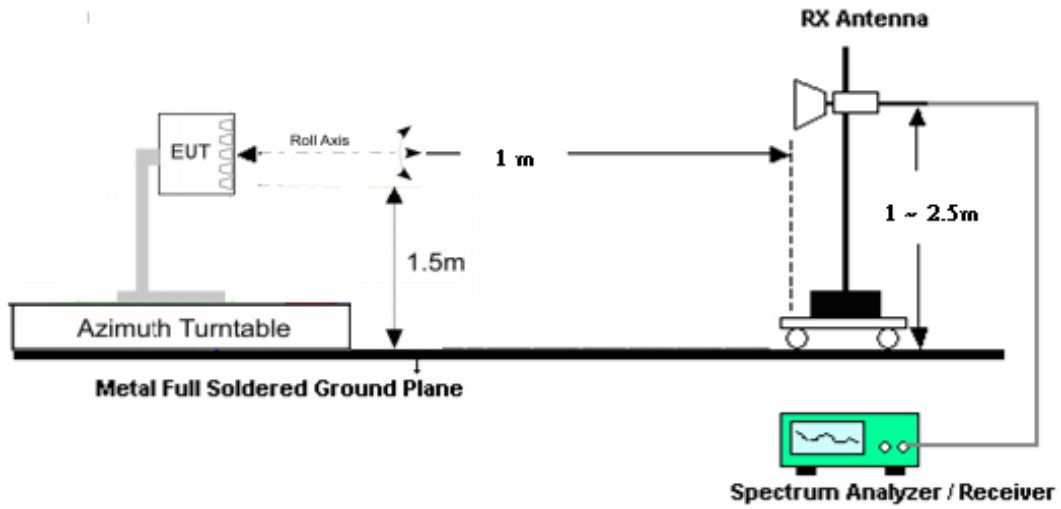
For radiated emissions from 30MHz to 1GHz



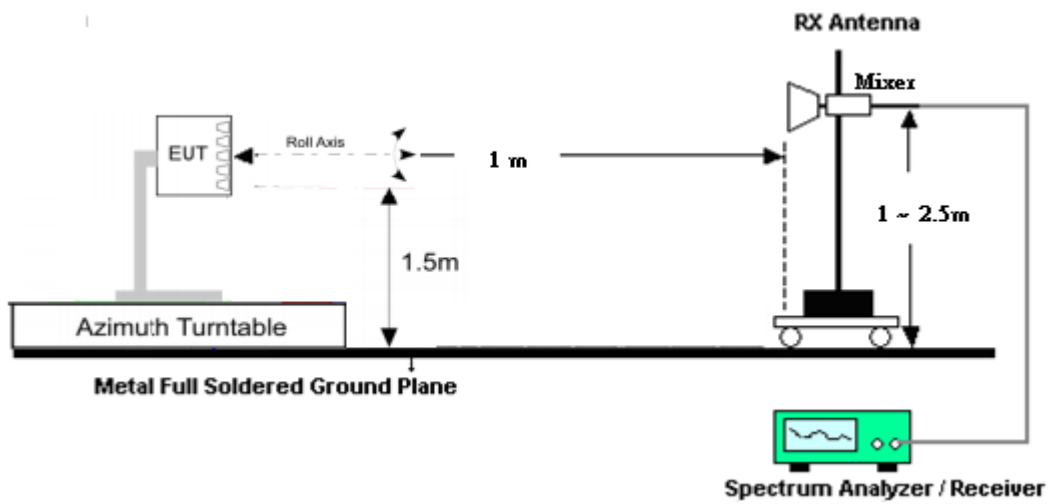
For radiated emissions 1GHz to 18GHz



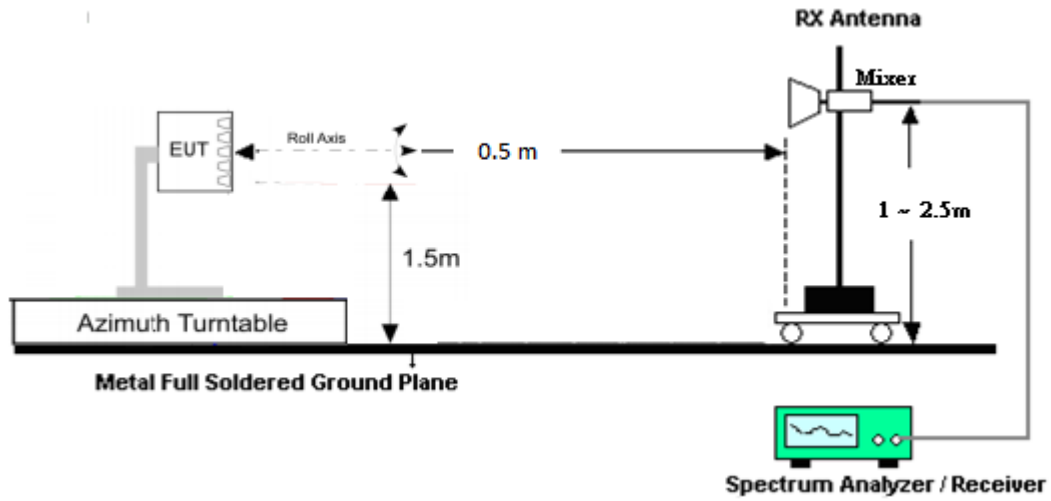
For radiated emissions above 18GHz up to 40GHz



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

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

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

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

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, Trace mode = trace average, sweep time = auto couple
6. Set sweep points  $\geq 2 \times \text{Span}/\text{RBW}$ , sweep count 100 and wait until the trace to be stabilized.
7. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
8. 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.

9. 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

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

For band edge, the antenna gain offset is included in order to compare to the conductive limit.

Antenna Gain (dBi)	AG0	AG1	AG0+AG1
n260	9.09	8.83	9.67
n261	11.76	11.18	10.94

Note 1: The antenna gain is applicable to both antenna module 0 and antenna module 1.

Note 2: The antenna gain value in the table is declared by the manufacturer.

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



## 4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Amplifier	SONOMA	310N	187311	9kHz~1GHz	Oct. 21, 2020	Nov. 04, 2020	Oct. 20, 2021	Radiation (03CH10-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	35413 & 02	30MHz~1GHz	Feb. 11, 2020	Nov. 04, 2020	Feb. 10, 2021	Radiation (03CH10-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02114	1GHz~18GHz	Aug. 04, 2020	Nov. 04, 2020	Aug. 03, 2021	Radiation (03CH10-HY)
Preamplifier	Jet-Power	JAP00101800-30-10P	160118550004	1GHz~18GHz	Mar. 02, 2020	Nov. 04, 2020	Mar. 01, 2021	Radiation (03CH10-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200485	10Hz~44GHz	Feb. 10, 2020	Nov. 04, 2020	Feb. 09, 2021	Radiation (03CH10-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Nov. 04, 2020	N/A	Radiation (03CH10-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Nov. 04, 2020	N/A	Radiation (03CH10-HY)
Turn Table	EMEC	TT 2200	N/A	0~360 Degree	N/A	Nov. 04, 2020	N/A	Radiation (03CH10-HY)
Software	Audix	E3 6.2009-8-24	RK-001042	N/A	N/A	Nov. 04, 2020	N/A	Radiation (03CH10-HY)
EMI Test Receiver	Agilent	N9038A(MXE)	MY53290045	20MHz~8.4GHz	Jan. 18, 2020	Nov. 04, 2020	Jan. 17, 2021	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104 / 102	MY11692/4P E,MY11693/4 PE,MY2855/2	30MHz~1GHz	Nov. 07, 2019	Nov. 04, 2020	Nov. 06, 2020	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104 / 102	MY11692/4P E,MY11693/4 PE,MY2855/2	1GHz~18GHz	Nov. 07, 2019	Nov. 04, 2020	Nov. 06, 2020	Radiation (03CH10-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz~40GHz	Dec. 10, 2019	Oct. 09, 2020 ~ Oct. 15, 2020	Dec. 09, 2020	Radiation (03CH18-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101756	10Hz~40GHz	Dec. 24, 2019	Oct. 09, 2020 ~ Oct. 15, 2020	Dec. 23, 2020	Radiation (03CH18-HY)
Signal Analyzer	R&S	FSV3044	101009	10Hz~44GHz	Nov. 11, 2019	Oct. 09, 2020 ~ Oct. 15, 2020	Nov. 10, 2020	Radiation (03CH18-HY)
RF Cable	HUBER + SUHNER	SF102/2*11SK 252	MY4278/2	9kHz~40GHz	Jul. 03, 2020	Oct. 09, 2020 ~ Oct. 15, 2020	Jul. 02, 2021	Radiation (03CH18-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV30	103738	9kHz to 30GHz	May 14, 2020	Nov. 04, 2020 ~ Nov. 05, 2020	May 13, 2021	Radiation (03CH18-HY)
Harmonic Mixer	Rohde & Schwarz	RPG FS-Z140	101128	90GHz to 140GHz	Sep. 06, 2018	Nov. 04, 2020 ~ Nov. 05, 2020	N/A	Radiation (03CH18-HY)
Harmonic Mixer	Rohde & Schwarz	RPG FS-Z60	100986	40GHz to 60GHz	Oct. 31, 2018	Nov. 04, 2020 ~ Nov. 05, 2020	N/A	Radiation (03CH18-HY)
Harmonic Mixer	Rohde & Schwarz	FSZ-90	101811	60GHz to 90GHz	Jul. 16, 2018	Nov. 04, 2020 ~ Nov. 05, 2020	N/A	Radiation (03CH18-HY)
Harmonic Mixer	Rohde & Schwarz	RPG FS-Z220	101014	140GHz to 220GHz	Aug. 27, 2018	Nov. 04, 2020 ~ Nov. 05, 2020	N/A	Radiation (03CH18-HY)
Antenna	Quinstar	QWH-EPRR00	784600034	60-90 GHz	Aug. 17, 2018	Nov. 04, 2020 ~ Nov. 05, 2020	N/A	Radiation (03CH18-HY)
Antenna	Quinstar	QWH-GPRR00	923900001	140-220 GHz	Aug. 17, 2018	Nov. 04, 2020 ~ Nov. 05, 2020	N/A	Radiation (03CH18-HY)
Antenna	Quinstar	QWH-FPRR00	923800008	90-140 GHz	Aug. 17, 2018	Nov. 04, 2020 ~ Nov. 05, 2020	N/A	Radiation (03CH18-HY)
Antenna	Quinstar	QWH-UPRR00	923600007	40-60 GHz	Aug. 17, 2018	Nov. 04, 2020 ~ Nov. 05, 2020	N/A	Radiation (03CH18-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% ( $U = 2Uc(y)$ )	3.02
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### Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	3.26
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### Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	4.03
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### Uncertainty of Radiated Emission Measurement (40 GHz ~ 140 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	5.80
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### Uncertainty of Radiated Emission Measurement (140 GHz ~ 200 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	6.80
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### Appendix A. Test Results of EIRP and Radiated Test

#### EIRP Power(Average power)

##### NR Band n260 Module 0

NR Band n260 Module 0 AG0 (Beam ID: 27)							
Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Lowest	200	DFT-S	BPSK	10.25	17.6	14.41	16.83
	200	DFT-S	QPSK	10.39	17.61	14.27	16.95
	200	DFT-S	16QAM	10.36	16.19	14.2	16.25
	200	DFT-S	64QAM	10.79	14.16	14.63	14.21
	200	CP	QPSK	9.99	15.43	13.95	15.61
	200	CP	16QAM	10.05	13.84	13.97	13.88
	200	CP	64QAM	7.87	11.35	11.87	11.4

Note : The 200MHz Bw is carrier aggregation by 2CC of 200MHz.

NR Band n260 Module 0 AG0 (Beam ID: 27)							
Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Middle	200	DFT-S	BPSK	10.16	16.97	13.54	16.23
	200	DFT-S	QPSK	10.13	16.98	13.62	16.18
	200	DFT-S	16QAM	10.4	15.49	13.45	15.69
	200	DFT-S	64QAM	10.35	13.59	13.7	13.68
	200	CP	QPSK	9.77	14.8	13.31	15.05
	200	CP	16QAM	9.81	13.24	11.78	13.45
	200	CP	64QAM	8.35	11.09	11.71	11.16

Note : The 200MHz Bw is carrier aggregation by 2CC of 200MHz.



NR Band n260 Module 0 AG0 (Beam ID: 27)							
Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Highest	200	DFT-S	BPSK	9.67	17.32	13.81	16.35
	200	DFT-S	QPSK	9.63	17.31	13.69	16.37
	200	DFT-S	16QAM	9.47	15.87	13.54	15.82
	200	DFT-S	64QAM	9.81	13.92	13.87	13.92
	200	CP	QPSK	9.6	15.49	13.58	15.62
	200	CP	16QAM	9.58	13.98	13.74	13.96
	200	CP	64QAM	8.07	11.52	12.09	11.56

Note: The 200MHz Bw is carrier aggregation by 2CC of 200MHz.



NR Band n260 Module 0 AG1 (Beam ID: 155)							
Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Lowest	200	DFT-S	BPSK	9.43	17.25	13.42	16.27
	200	DFT-S	QPSK	9.24	17.25	13.5	16.29
	200	DFT-S	16QAM	9.12	15.71	13.46	15.63
	200	DFT-S	64QAM	9.46	13.66	13.63	13.74
	200	CP	QPSK	9.29	15.27	13.41	15.44
	200	CP	16QAM	9.4	13.62	13.39	13.83
	200	CP	64QAM	7.56	11.22	11.74	11.28

Note: The 200MHz Bw is carrier aggregation by 2CC of 200MHz.

NR Band n260 Module 0 AG1 (Beam ID: 155)							
Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Middle	200	DFT-S	BPSK	9.37	16.47	12.77	15.3
	200	DFT-S	QPSK	9.38	16.52	12.79	15.28
	200	DFT-S	16QAM	9.31	15.01	12.66	14.87
	200	DFT-S	64QAM	9.71	12.98	13	12.85
	200	CP	QPSK	9.31	14.42	12.94	15.02
	200	CP	16QAM	9.43	12.81	13.29	13.35
	200	CP	64QAM	7.64	10.4	11.38	10.75

Note: The 200MHz Bw is carrier aggregation by 2CC of 200MHz.

NR Band n260 Module 0 AG1 (Beam ID: 155)							
Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Highest	200	DFT-S	BPSK	9.37	16.85	13.37	15.5
	200	DFT-S	QPSK	9.34	16.85	13.27	16.39
	200	DFT-S	16QAM	9.19	15.33	12.99	16.09
	200	DFT-S	64QAM	9.48	13.39	13.31	13.51
	200	CP	QPSK	11.03	16.58	14.79	14.99
	200	CP	16QAM	11.11	14.98	14.97	13.57
	200	CP	64QAM	9.36	12.67	13.08	12.92

Note: The 200MHz Bw is carrier aggregation by 2CC of 200MHz.



NR Band n260 Module 0 AG0+1 (Beam ID: 27+155)							
Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Lowest	200	CP	QPSK	11.59	17.32	15.78	17.84
	200	CP	16QAM	11.69	15.75	16	16.05
	200	CP	64QAM	9.33	13.14	13.72	13.74

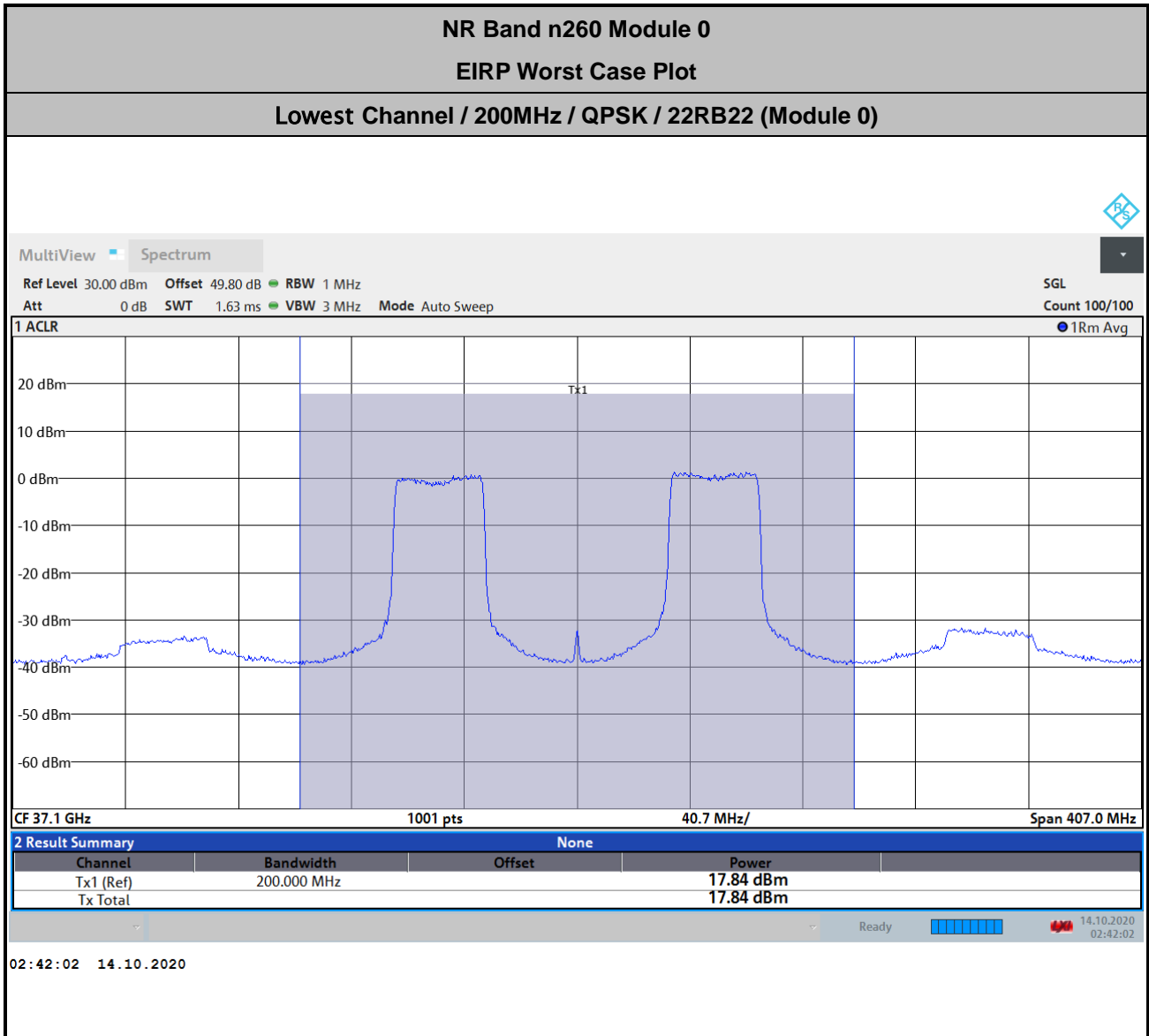
Note: The 200MHz Bw is carrier aggregation by 2CC of 200MHz.

NR Band n260 Module 0 AG0+1 (Beam ID: 27+155)							
Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Middle	200	CP	QPSK	10.52	15.82	14.39	16.71
	200	CP	16QAM	10.6	14.23	14.32	14.76
	200	CP	64QAM	8.75	11.84	12.55	12.34

Note: The 200MHz Bw is carrier aggregation by 2CC of 200MHz.

NR Band n260 Module 0 AG0+1 (Beam ID: 27+155)							
Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Highest	200	CP	QPSK	9.58	15.53	13.86	15.99
	200	CP	16QAM	9.51	13.99	13.92	14.33
	200	CP	64QAM	8.1	11.58	12.53	11.91

Note: The 200MHz Bw is carrier aggregation by 2CC of 200MHz.



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



NR Band n260 Module 1

NR Band n260 Module 1 AG0 (Beam ID: 13)							
Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Lowest	200	DFT-S	BPSK	10.19	17.88	14.14	16.94
	200	DFT-S	QPSK	10.2	17.89	14.07	16.98
	200	DFT-S	16QAM	10.75	16.26	14.46	16.39
	200	DFT-S	64QAM	10.62	14.21	14.32	14.26
	200	CP	QPSK	10.18	15.58	13.85	15.6
	200	CP	16QAM	10.27	13.95	14	14.06
	200	CP	64QAM	8.64	11.52	12.24	11.52

Note: The 200MHz Bw is carrier aggregation by 2CC of 200MHz.

NR Band n260 Module 1 AG0 (Beam ID: 13)							
Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Middle	200	DFT-S	BPSK	10.7	17.82	14.31	16.98
	200	DFT-S	QPSK	11.11	17.81	14.42	16.86
	200	DFT-S	16QAM	10.54	16.35	14.21	16.37
	200	DFT-S	64QAM	10.84	14.43	14.43	14.41
	200	CP	QPSK	11.08	15.61	13.8	15.61
	200	CP	16QAM	10.51	13.93	13.26	15.46
	200	CP	64QAM	9.15	11.58	12.16	12.87

Note: The 200MHz Bw is carrier aggregation by 2CC of 200MHz.

NR Band n260 Module 1 AG0 (Beam ID: 13)							
Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Highest	200	DFT-S	BPSK	8.08	16.05	12.36	15.21
	200	DFT-S	QPSK	8.03	16.02	12.32	15.29
	200	DFT-S	16QAM	7.99	14.64	12.27	14.58
	200	DFT-S	64QAM	8.15	12.57	12.32	12.66
	200	CP	QPSK	8.1	13.91	12.29	13.96
	200	CP	16QAM	7.45	12.4	11.78	12.54
	200	CP	64QAM	6.14	9.9	10.3	9.94

Note: The 200MHz Bw is carrier aggregation by 2CC of 200MHz.



NR Band n260 Module 1 AG1 (Beam ID: 142)							
Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Lowest	200	DFT-S	BPSK	10.34	17.72	13.78	16.24
	200	DFT-S	QPSK	10.3	17.66	13.94	16.19
	200	DFT-S	16QAM	10.34	16.13	14.33	15.58
	200	DFT-S	64QAM	10.43	14.13	14.23	13.71
	200	CP	QPSK	10.35	16.02	14.2	15.58
	200	CP	16QAM	10.5	14.51	14.17	14
	200	CP	64QAM	8.73	12	12.07	11.56

Note: The 200MHz Bw is carrier aggregation by 2CC of 200MHz.

NR Band n260 Module 1 AG1 (Beam ID: 142)							
Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Middle	200	DFT-S	BPSK	10.01	16.88	13.81	16.39
	200	DFT-S	QPSK	9.91	16.75	13.84	16.44
	200	DFT-S	16QAM	10.32	15.22	14	15.77
	200	DFT-S	64QAM	9.8	13.23	14.14	13.85
	200	CP	QPSK	9.08	14.87	12.84	14.72
	200	CP	16QAM	9.17	12.77	12.92	13.23
	200	CP	64QAM	7.61	10.51	11.45	10.84

Note: The 200MHz Bw is carrier aggregation by 2CC of 200MHz.

NR Band n260 Module 1 AG1 (Beam ID: 142)							
Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Highest	200	DFT-S	BPSK	9.07	16.03	12.62	15.2
	200	DFT-S	QPSK	8.97	16.02	12.68	15.1
	200	DFT-S	16QAM	8.83	14.64	12.68	14.63
	200	DFT-S	64QAM	9.12	12.64	12.75	12.57
	200	CP	QPSK	8.9	14.02	12.59	13.43
	200	CP	16QAM	8.49	12.48	12.04	11.86
	200	CP	64QAM	7.21	10.15	10.79	9.56

Note: The 200MHz Bw is carrier aggregation by 2CC of 200MHz.





NR Band n260 Module 1 AG0+1 (Beam ID: 13+142)							
Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Lowest	200	CP	QPSK	9.34	15.48	13.57	15.89
	200	CP	16QAM	9.4	13.83	13.62	14.19
	200	CP	64QAM	7.34	11.35	11.56	11.71

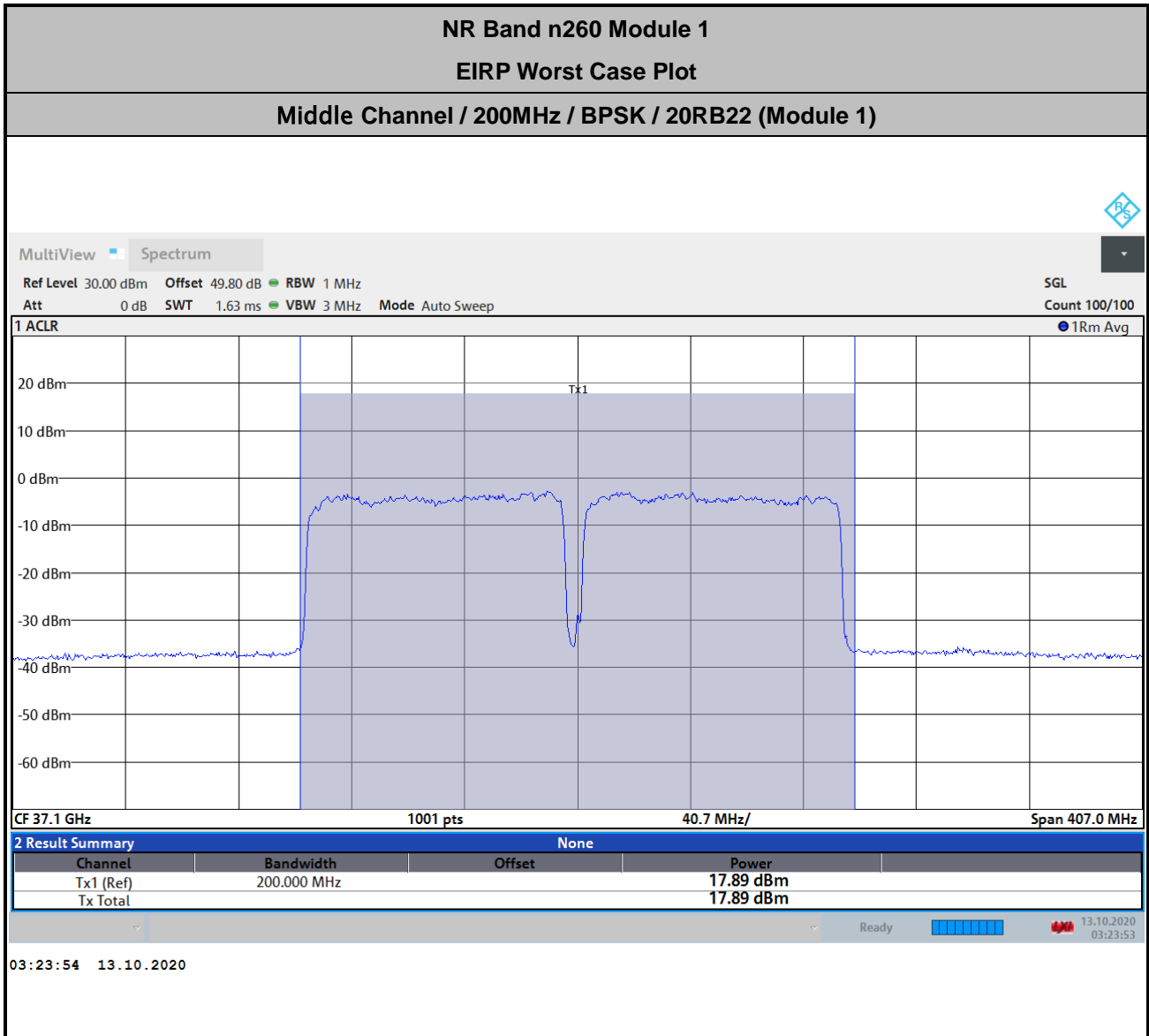
Note: The 200MHz Bw is carrier aggregation by 2CC of 200MHz.

NR Band n260 Module 1 AG0+1 (Beam ID: 13+142)							
Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Middle	200	CP	QPSK	9.56	15.13	13.42	15.43
	200	CP	16QAM	9.52	13.53	13.45	13.89
	200	CP	64QAM	7.62	11.17	11.38	11.44

Note: The 200MHz Bw is carrier aggregation by 2CC of 200MHz.

NR Band n260 Module 1 AG0+1 (Beam ID: 13+142)							
Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Highest	200	CP	QPSK	8.73	14.29	12.58	14.37
	200	CP	16QAM	8.17	12.67	12.28	12.83
	200	CP	64QAM	6.28	10.39	10.34	10.52

Note: The 200MHz Bw is carrier aggregation by 2CC of 200MHz.



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



NR Band n261 Module 0

NR Band n261 Module 0 AG0 (Beam ID: 20)							
Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Lowest	200	DFT-S	BPSK	9.31	16.33	13.16	15.52
	200	DFT-S	QPSK	9.33	16.34	13.2	15.47
	200	DFT-S	16QAM	9.19	15.01	13.07	14.97
	200	DFT-S	64QAM	9.63	13.15	13.29	13.31
	200	CP	QPSK	9.22	14.34	13.07	14.56
	200	CP	16QAM	9.14	13.03	12.98	13.13
	200	CP	64QAM	7	10.46	10.98	10.48

Note: The 200MHz Bw is carrier aggregation by 2CC of 100MHz.

NR Band n261 Module 0 AG0 (Beam ID: 20)							
Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Middle	200	DFT-S	BPSK	8.75	16.27	12.86	15.59
	200	DFT-S	QPSK	8.71	16.29	12.87	15.55
	200	DFT-S	16QAM	8.69	14.88	12.99	15.03
	200	DFT-S	64QAM	8.94	13	13.08	13.36
	200	CP	QPSK	9.07	14.23	13.56	14.81
	200	CP	16QAM	8.71	12.88	13.51	14.53
	200	CP	64QAM	6.5	10.19	11.6	11.98

Note : The 200MHz Bw is carrier aggregation by 2CC of 100MHz.

NR Band n261 Module 0 AG0 (Beam ID: 20)							
Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Highest	200	DFT-S	BPSK	9.36	16.14	12.9	15.41
	200	DFT-S	QPSK	9.18	16.13	13.01	15.39
	200	DFT-S	16QAM	9.12	14.77	12.93	14.82
	200	DFT-S	64QAM	9.47	12.88	13.09	13.08
	200	CP	QPSK	9.17	14.09	12.72	14.32
	200	CP	16QAM	9.15	12.77	12.81	12.9
	200	CP	64QAM	7.15	10.2	10.65	10.23

Note : The 200MHz Bw is carrier aggregation by 2CC of 100MHz.



NR Band n261 Module 0 AG1 (Beam ID: 148)							
Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Lowest	200	DFT-S	BPSK	9.58	17.26	13.41	16.37
	200	DFT-S	QPSK	9.74	17.27	13.52	16.43
	200	DFT-S	16QAM	9.74	15.93	13.61	15.89
	200	DFT-S	64QAM	9.99	13.75	13.72	13.85
	200	CP	QPSK	9.77	15.27	14.87	16.22
	200	CP	16QAM	9.73	13.62	14.81	15.15
	200	CP	64QAM	7.75	11.15	13.31	12.99

Note : The 200MHz Bw is carrier aggregation by 2CC of 100MHz.

NR Band n261 Module 0 AG1 (Beam ID: 148)							
Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Middle	200	DFT-S	BPSK	8.55	16.76	12.85	16.08
	200	DFT-S	QPSK	8.59	16.8	12.84	16.06
	200	DFT-S	16QAM	8.61	15.37	13.01	15.52
	200	DFT-S	64QAM	8.88	13.25	13.33	13.52
	200	CP	QPSK	8.65	14.77	12.93	15.08
	200	CP	16QAM	8.68	13.17	13.2	13.48
	200	CP	64QAM	6.21	10.56	10.7	10.8

Note : The 200MHz Bw is carrier aggregation by 2CC of 100MHz.

NR Band n261 Module 0 AG1 (Beam ID: 148)							
Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Highest	200	DFT-S	BPSK	9.84	17.13	13.61	16.48
	200	DFT-S	QPSK	9.79	17.09	13.64	16.4
	200	DFT-S	16QAM	9.73	15.71	13.61	15.97
	200	DFT-S	64QAM	10.02	13.69	13.92	13.93
	200	CP	QPSK	11.33	16.52	14.28	16.32
	200	CP	16QAM	11.45	15.01	14.33	14.7
	200	CP	64QAM	8.97	12.36	12.1	12.08

Note : The 200MHz Bw is carrier aggregation by 2CC of 100MHz.



NR Band n261 Module 0 AG0+1 (Beam ID: 20+148)							
Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Lowest	200	CP	QPSK	10.47	15.56	14.31	16.39
	200	CP	16QAM	10.52	14.06	14.18	14.08
	200	CP	64QAM	8.58	11.64	12.32	11.73

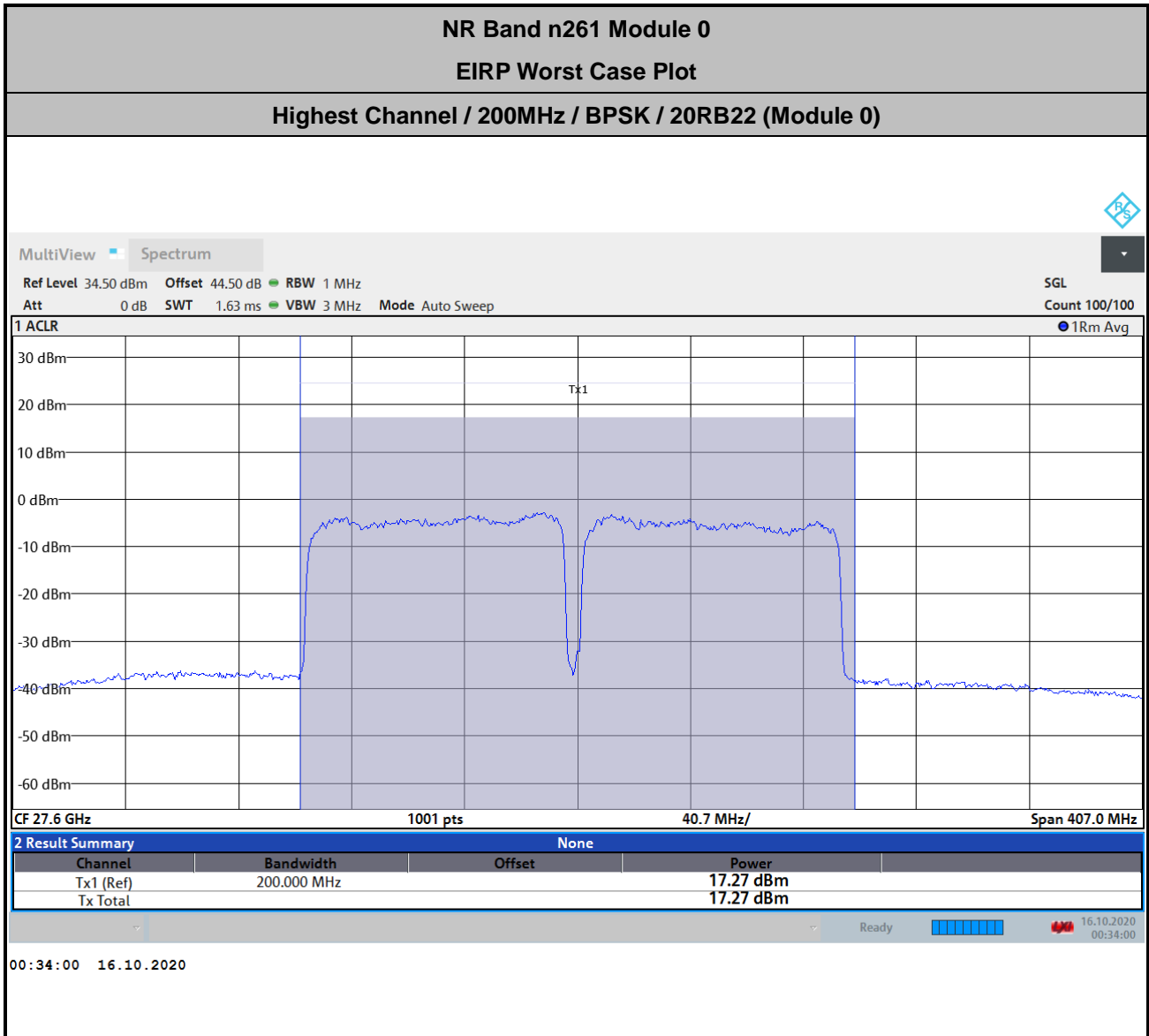
Note : The 200MHz Bw is carrier aggregation by 2CC of 100MHz.

NR Band n261 Module 0 AG0+1 (Beam ID: 20+148)							
Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Middle	200	CP	QPSK	9.7	14.42	13.56	15.23
	200	CP	16QAM	9.22	12.94	13.44	13.53
	200	CP	64QAM	7.05	10.36	13.63	10.96

Note : The 200MHz Bw is carrier aggregation by 2CC of 100MHz.

NR Band n261 Module 0 AG0+1 (Beam ID: 20+148)							
Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Highest	200	CP	QPSK	10.05	14.78	13.63	15.55
	200	CP	16QAM	10.19	13.29	13.69	13.8
	200	CP	64QAM	7.97	10.81	11.87	11.24

Note : The 200MHz Bw is carrier aggregation by 2CC of 100MHz.



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



NR Band n261 Module 1

NR Band n261 Module 1 AG0 (Beam ID: 14)							
Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Lowest	200	DFT-S	BPSK	9.13	16.69	13.02	15.77
	200	DFT-S	QPSK	9.24	16.68	13.06	15.78
	200	DFT-S	16QAM	9.46	15.17	13.26	15.27
	200	DFT-S	64QAM	9.42	13	13.19	13.2
	200	CP	QPSK	9.29	14.57	13.13	14.69
	200	CP	16QAM	9.3	13.08	13.03	13.27
	200	CP	64QAM	7.06	10.71	11.01	10.83

Note : The 200MHz Bw is carrier aggregation by 2CC of 100MHz.

NR Band n261 Module 1 AG0 (Beam ID: 14)							
Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Middle	200	DFT-S	BPSK	9.99	17.87	14.21	16.56
	200	DFT-S	QPSK	10.12	17.85	14.15	16.52
	200	DFT-S	16QAM	10.61	16.33	14.44	16.01
	200	DFT-S	64QAM	10.63	14.4	14.29	14.15
	200	CP	QPSK	10.16	15.88	14.25	15.84
	200	CP	16QAM	9.86	14.33	14.14	14.35
	200	CP	64QAM	8.34	11.8	12.53	11.79

Note : The 200MHz Bw is carrier aggregation by 2CC of 100MHz.

NR Band n261 Module 1 AG0 (Beam ID: 14)							
Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Highest	200	DFT-S	BPSK	9.58	16.8	13.21	16.31
	200	DFT-S	QPSK	9.67	16.78	13.3	16.34
	200	DFT-S	16QAM	10.04	15.35	13.56	15.24
	200	DFT-S	64QAM	9.87	13.39	13.52	13.28
	200	CP	QPSK	9.41	14.77	13.14	14.86
	200	CP	16QAM	9.16	13.2	12.79	13.33
	200	CP	64QAM	7.94	10.9	11.7	10.93

Note : The 200MHz Bw is carrier aggregation by 2CC of 100MHz.



NR Band n261 Module 1 AG1 (Beam ID: 141)							
Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Lowest	200	DFT-S	BPSK	13.52	17.26	13.92	16.33
	200	DFT-S	QPSK	13.13	17.25	13.54	16.35
	200	DFT-S	16QAM	13.39	15.71	13.67	15.79
	200	DFT-S	64QAM	13.99	13.97	14.36	14.13
	200	CP	QPSK	14.45	15.14	14.22	15.13
	200	CP	16QAM	14.63	13.96	14.5	14.24
	200	CP	64QAM	11.66	11.27	11.59	11.26

Note : The 200MHz Bw is carrier aggregation by 2CC of 100MHz.

NR Band n261 Module 1 AG1 (Beam ID: 141)							
Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Middle	200	DFT-S	BPSK	10.01	17.45	13.96	16.44
	200	DFT-S	QPSK	10.12	17.44	14.13	16.4
	200	DFT-S	16QAM	10.38	16.08	14.14	15.79
	200	DFT-S	64QAM	10.35	14.02	14.2	13.96
	200	CP	QPSK	10.24	15.35	14.04	15.34
	200	CP	16QAM	9.79	13.82	13.77	13.91
	200	CP	64QAM	8.41	11.4	12.15	11.43

Note : The 200MHz Bw is carrier aggregation by 2CC of 100MHz.

NR Band n261 Module 1 AG1 (Beam ID: 141)							
Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Highest	200	DFT-S	BPSK	9.71	17.01	13.54	16
	200	DFT-S	QPSK	9.95	16.97	13.57	16.06
	200	DFT-S	16QAM	10.24	15.59	13.63	15.51
	200	DFT-S	64QAM	10.09	13.49	13.59	13.59
	200	CP	QPSK	9.57	14.5	13.44	14.94
	200	CP	16QAM	9.29	13.55	13.43	13.6
	200	CP	64QAM	7.64	11.14	11.74	11.18

Note : The 200MHz Bw is carrier aggregation by 2CC of 100MHz.





NR Band n261 Module 1 AG0+1 (Beam ID: 14+141)							
Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Lowest	200	CP	QPSK	11.36	17.04	15.42	17.14
	200	CP	16QAM	11.25	15.45	15.26	15.62
	200	CP	64QAM	9.34	13.08	13.19	13.28

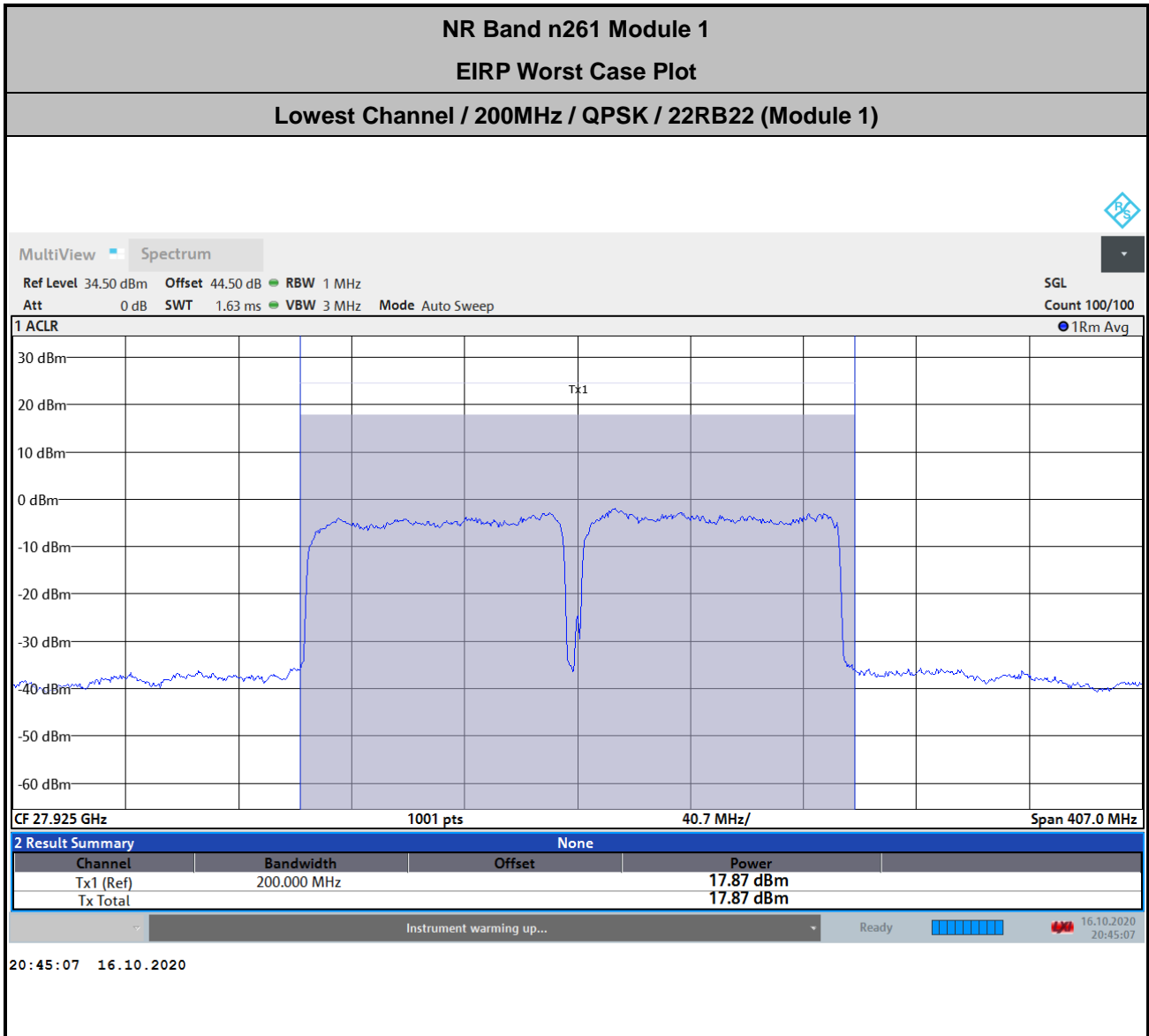
Note : The 200MHz Bw is carrier aggregation by 2CC of 100MHz.

NR Band n261 Module 1 AG0+1 (Beam ID: 14+141)							
Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Middle	200	CP	QPSK	10.54	16.01	14.65	16.32
	200	CP	16QAM	10.58	14.5	14.61	14.8
	200	CP	64QAM	8.34	11.94	12.4	12.32

Note : The 200MHz Bw is carrier aggregation by 2CC of 100MHz.

NR Band n261 Module 1 AG0+1 (Beam ID: 14+141)							
Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Highest	200	CP	QPSK	10.62	15.94	14.42	16.17
	200	CP	16QAM	10.48	14.46	14.58	14.67
	200	CP	64QAM	8.52	12.01	12.38	12.37

Note : The 200MHz Bw is carrier aggregation by 2CC of 100MHz.



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



## NR Band n260 Module 0 AG0

### Occupied Bandwidth

Mode	DFT-s-OFDM Module 0 NR Band n260 : 99%OBW(MHz)			
BW	200MHz			
Mod.	BPSK	QPSK	16QAM	64QAM
Lowest CH	188.02	188.34	188.32	188.73
Middle CH	188.74	189.10	189.23	189.44
Highest CH	188.99	189.05	189.38	190.13

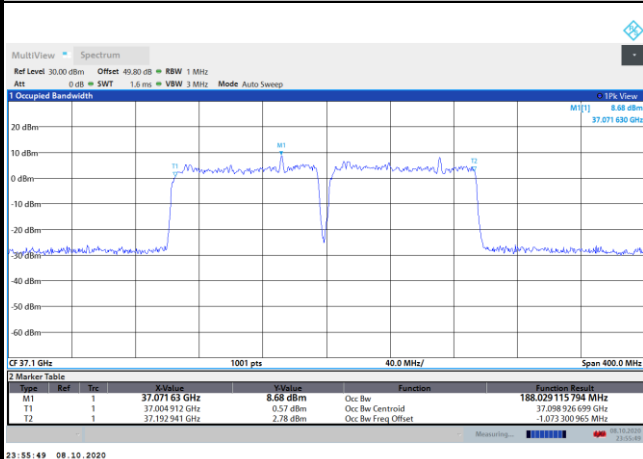
Mode	CP-OFDM Module 0 NR Band n260 : 99%OBW(MHz)		
BW	200MHz		
Mod.	QPSK	16QAM	64QAM
Lowest CH	191.10	190.64	190.93
Middle CH	191.93	191.88	193.66
Highest CH	191.41	191.34	192.46



DFT-s-OFDM Module 0

NR Band n260

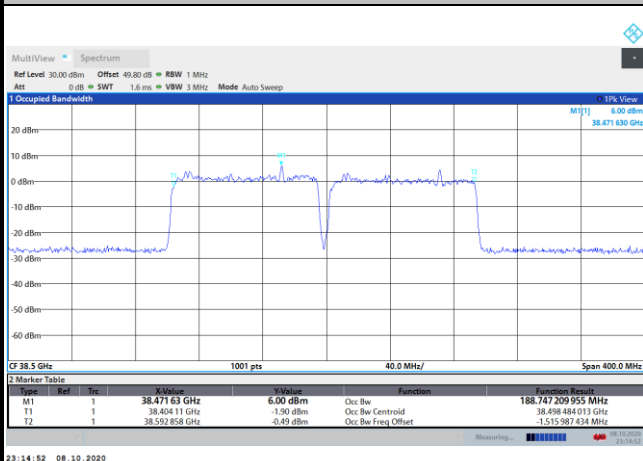
Lowest Channel / 200MHz / BPSK



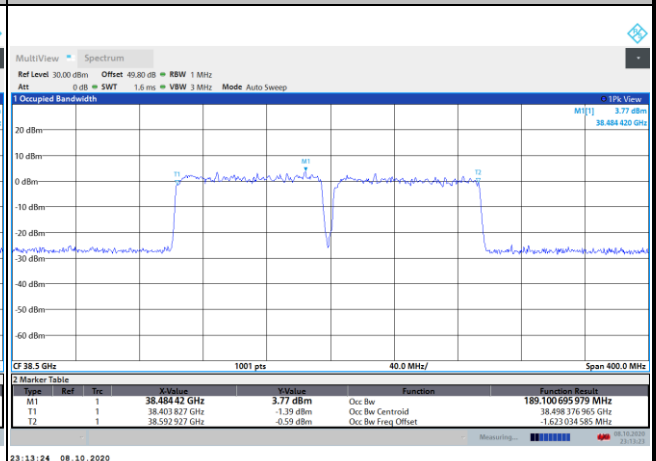
Lowest Channel / 200MHz / QPSK



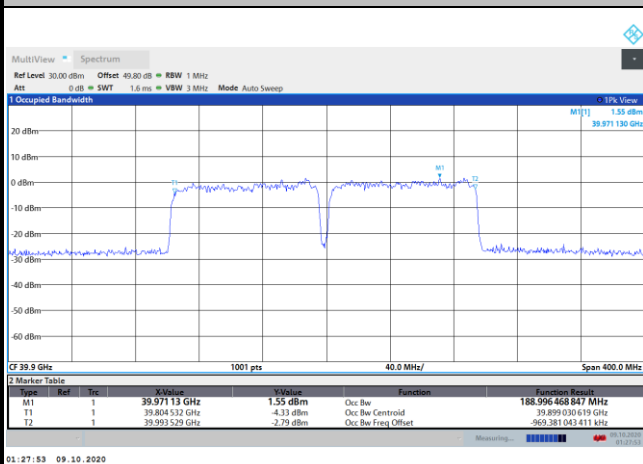
Middle Channel / 200MHz / BPSK



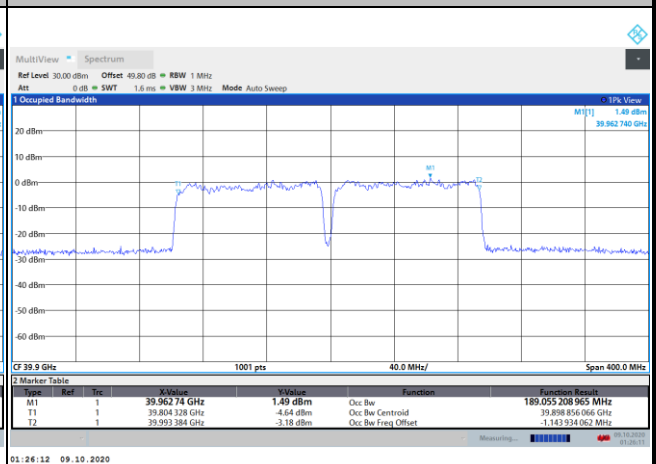
Middle Channel / 200MHz / QPSK



Highest Channel / 200MHz / BPSK



Highest Channel / 200MHz / QPSK

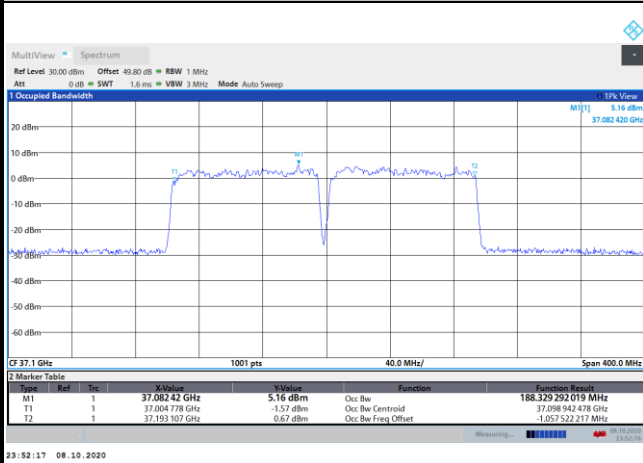




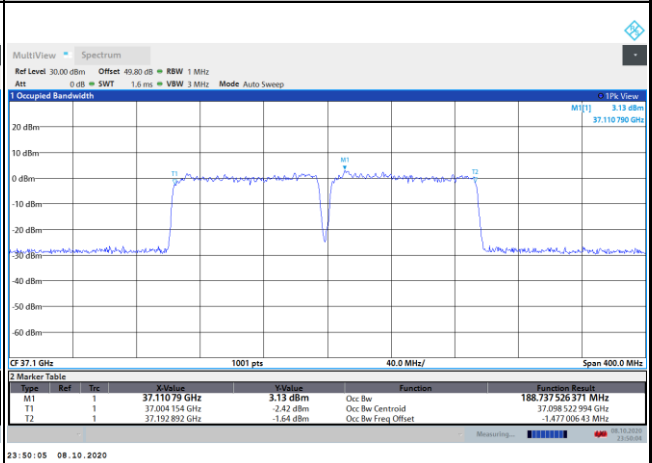
DFT-s-OFDM Module 0

NR Band n260

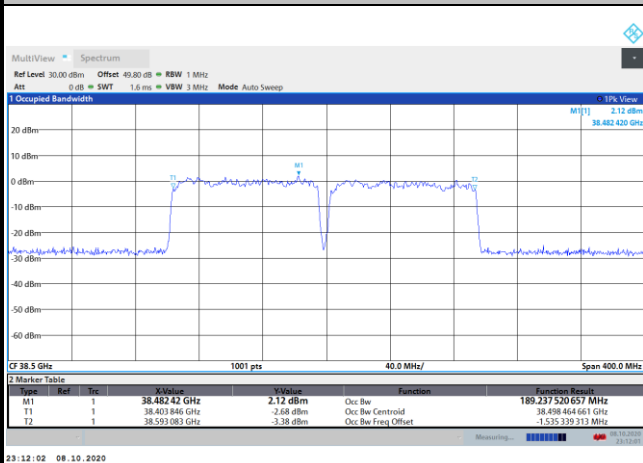
Lowest Channel / 200MHz / 16QAM



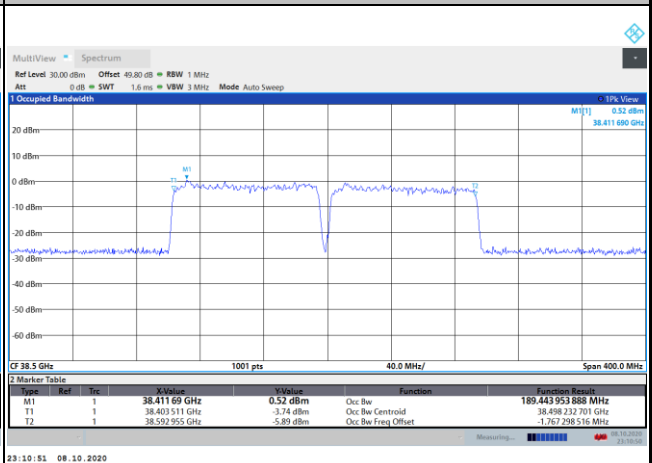
Lowest Channel / 200MHz / 64QAM



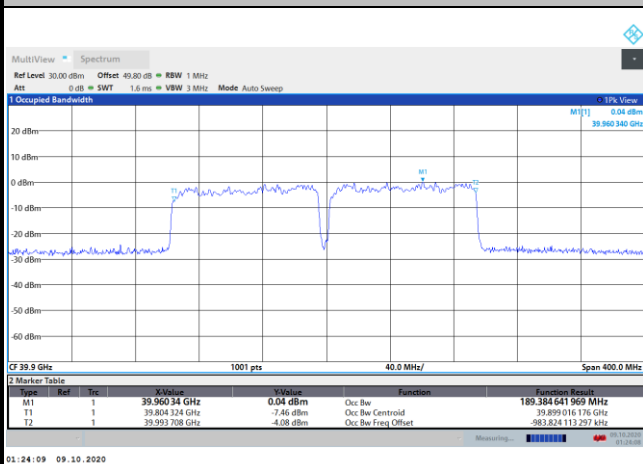
Middle Channel / 200MHz / 16QAM



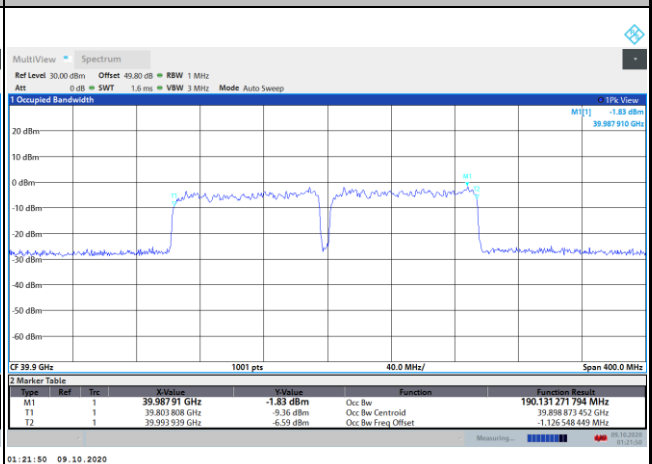
Middle Channel / 200MHz / 64QAM



Highest Channel / 200MHz / 16QAM



Highest Channel / 200MHz / 64QAM

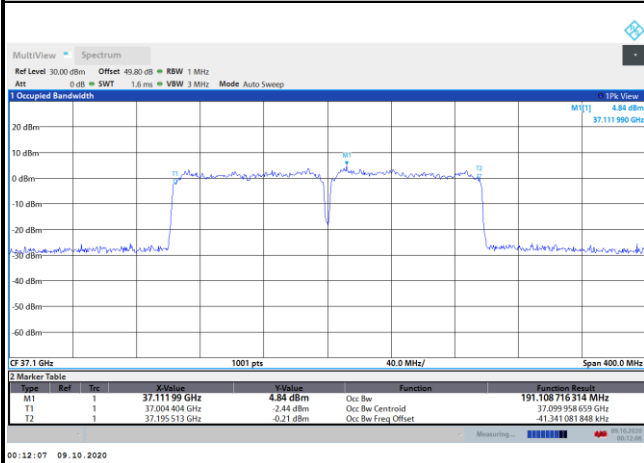




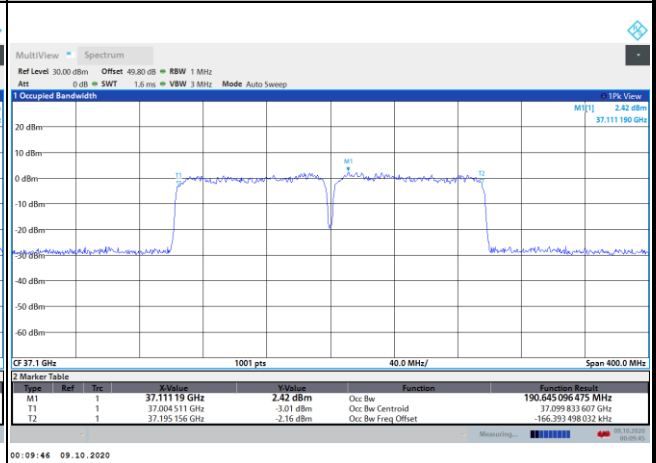
CP-OFDM Module 0

NR Band n260

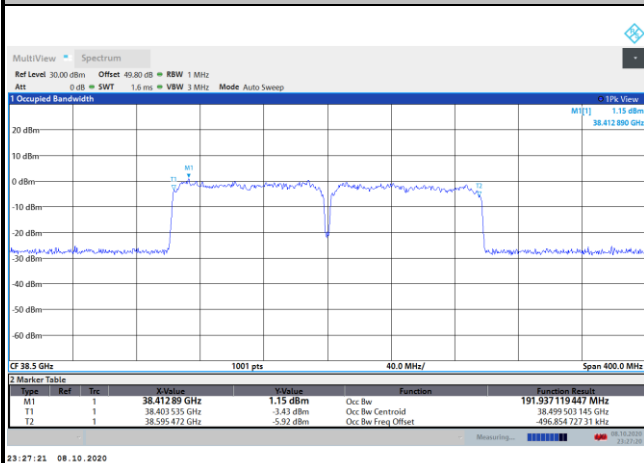
Lowest Channel / 200MHz / QPSK



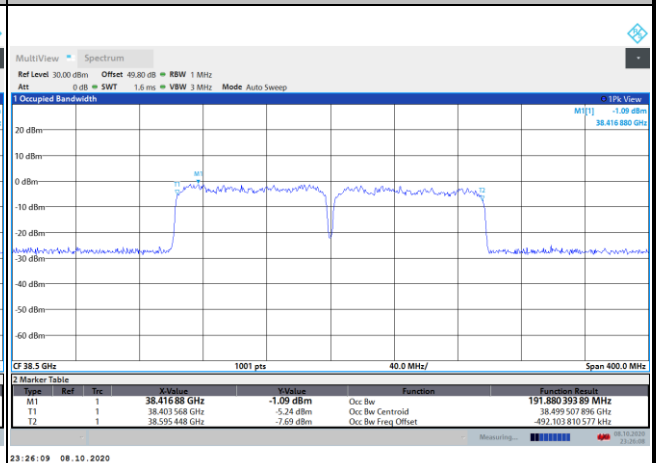
Lowest Channel / 200MHz / 16QAM



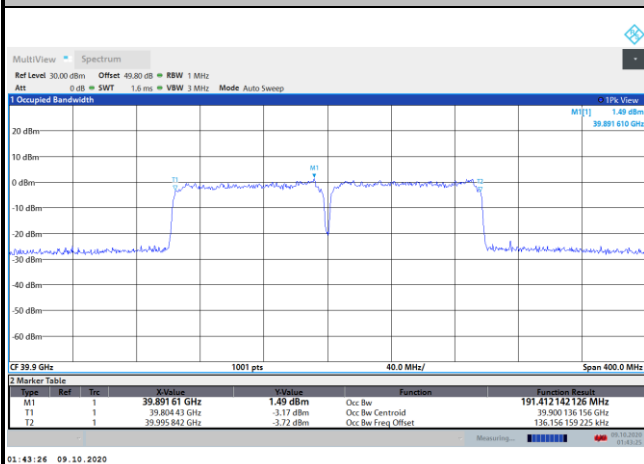
Middle Channel / 200MHz / QPSK



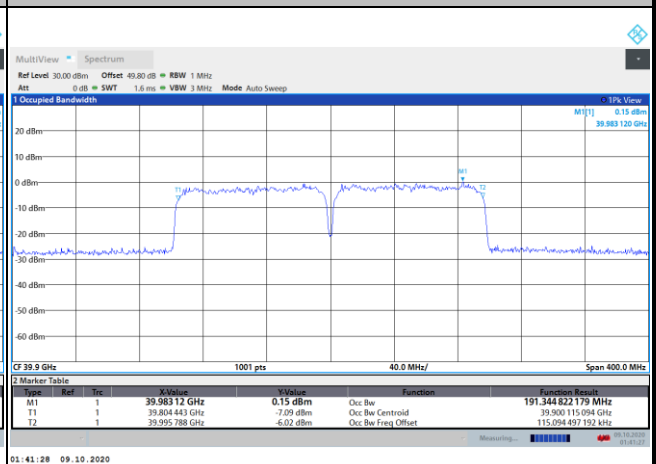
Middle Channel / 200MHz / 16QAM



Highest Channel / 200MHz / QPSK



Highest Channel / 200MHz / 16QAM

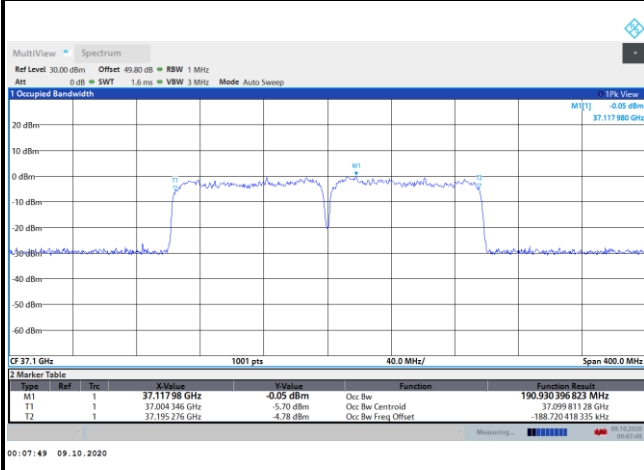




CP-OFDM Module 0

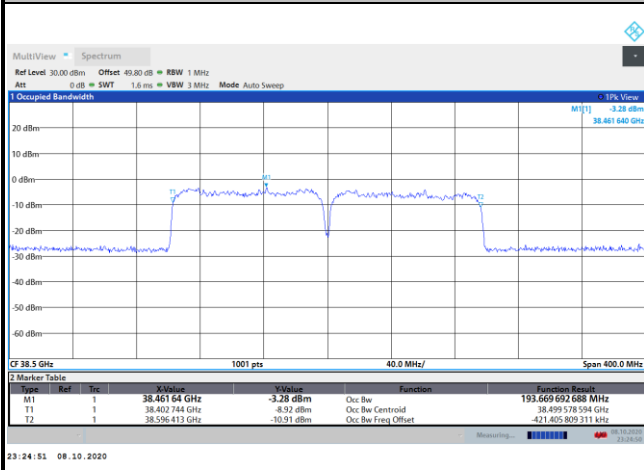
NR Band n260

Lowest Channel / 200MHz / 64QAM



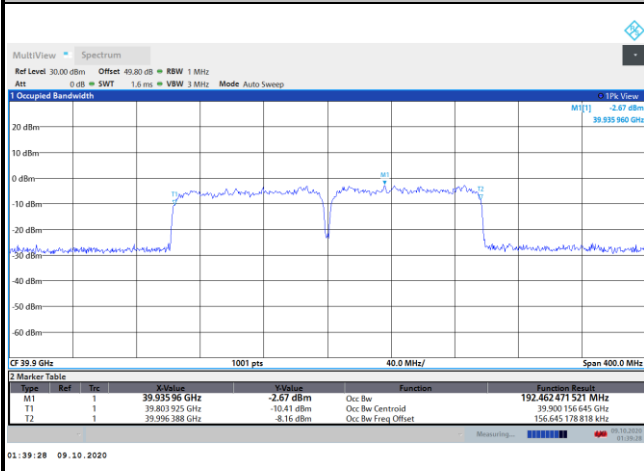
intentionally blank

Middle Channel / 200MHz / 64QAM



intentionally blank

Highest Channel / 200MHz / 64QAM



intentionally blank



### Radiated Out of Band Emissions

Mode			DFT-s-OFDM Module 0 NR Band n260 : BE (dBm) 1 RB			
BW			200MHz			
Limit (dBm)			BPSK	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤ -5	-28.04	-28.49	-29.01	-28.12
	>10%OB	≤ -13	-36.87	-36.48	-36.61	-35.75
HighCH	0~10%OB	≤ -5	-35.21	-35.22	-35.11	-35.04
	>10%OB	≤ -13	-35.36	-35.39	-35.41	-35.45
Result			Compliance			

Mode			CP-OFDM Module 0 NR Band n260 : BE (dBm) 1 RB		
BW			200MHz		
Limit (dBm)			QPSK	16QAM	64QAM
Low CH	0~10%OB	≤ -5	-28.54	-28.12	-29.92
	>10%OB	≤ -13	-35.69	-35.37	-37.07
High CH	0~10%OB	≤ -5	-34.55	-34.71	-35.23
	>10%OB	≤ -13	-35.17	-35.32	-35.34
Result			Compliance		

Mode			DFT-s-OFDM Module 0 NR Band n260 : BE (dBm) Full RB			
BW			200MHz			
Limit (dBm)			BPSK	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤ -5	-35.58	-35.54	-36.48	-37.21
	>10%OB	≤ -13	-36.51	-36.29	-36.92	-36.79
HighCH	0~10%OB	≤ -5	-35.16	-34.92	-35.23	-35.24
	>10%OB	≤ -13	-35.25	-35.38	-35.26	-35.45
Result			Compliance			

Mode			CP-OFDM Module 0 NR Band n260 : BE (dBm) Full RB		
BW			200MHz		
Limit (dBm)			QPSK	16QAM	64QAM
Low CH	0~10%OB	≤ -5	-36	-36.96	-37.95
	>10%OB	≤ -13	-36.9	-37.17	-37.21
High CH	0~10%OB	≤ -5	-34.92	-34.89	-35.25
	>10%OB	≤ -13	-35.31	-35.33	-35.32
Result			Compliance		



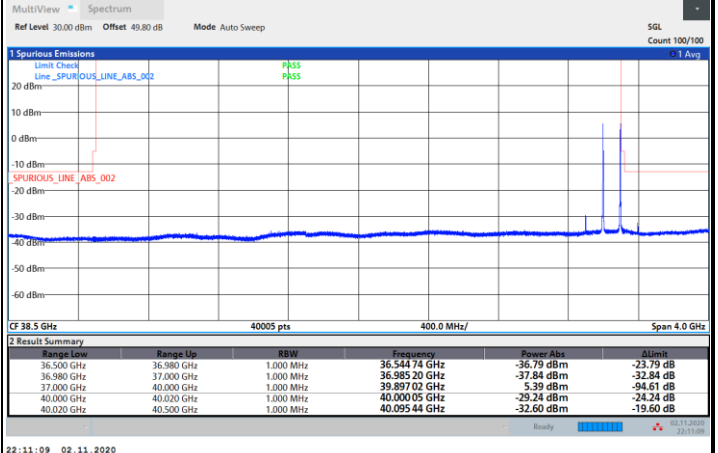
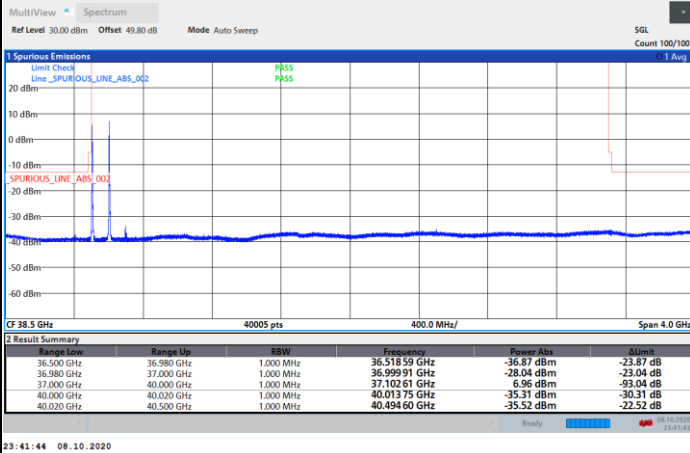


DFT-s-OFDM Module 0

NR Band n260 / 200MHz / BPSK

Lowest Band Edge / 1 RB

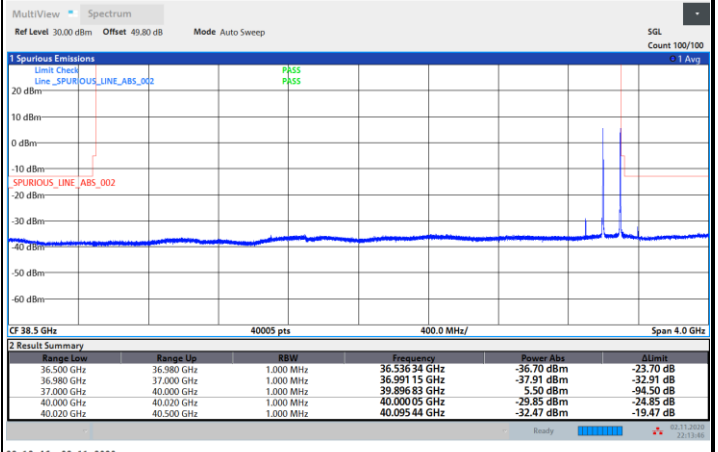
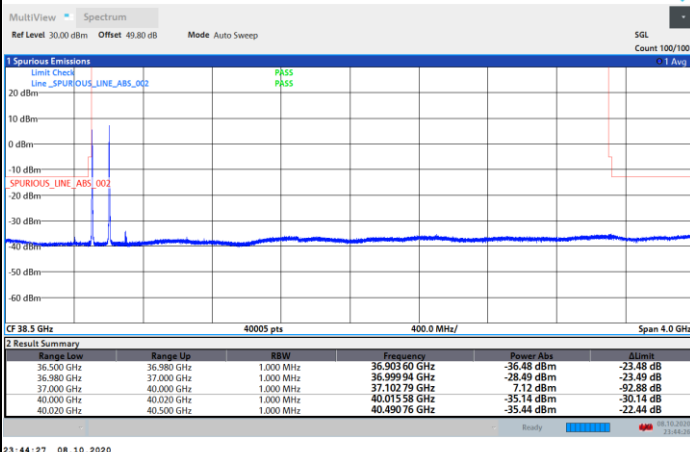
Highest Band Edge / 1 RB



NR Band n260 / 200MHz / QPSK

Lowest Band Edge / 1 RB

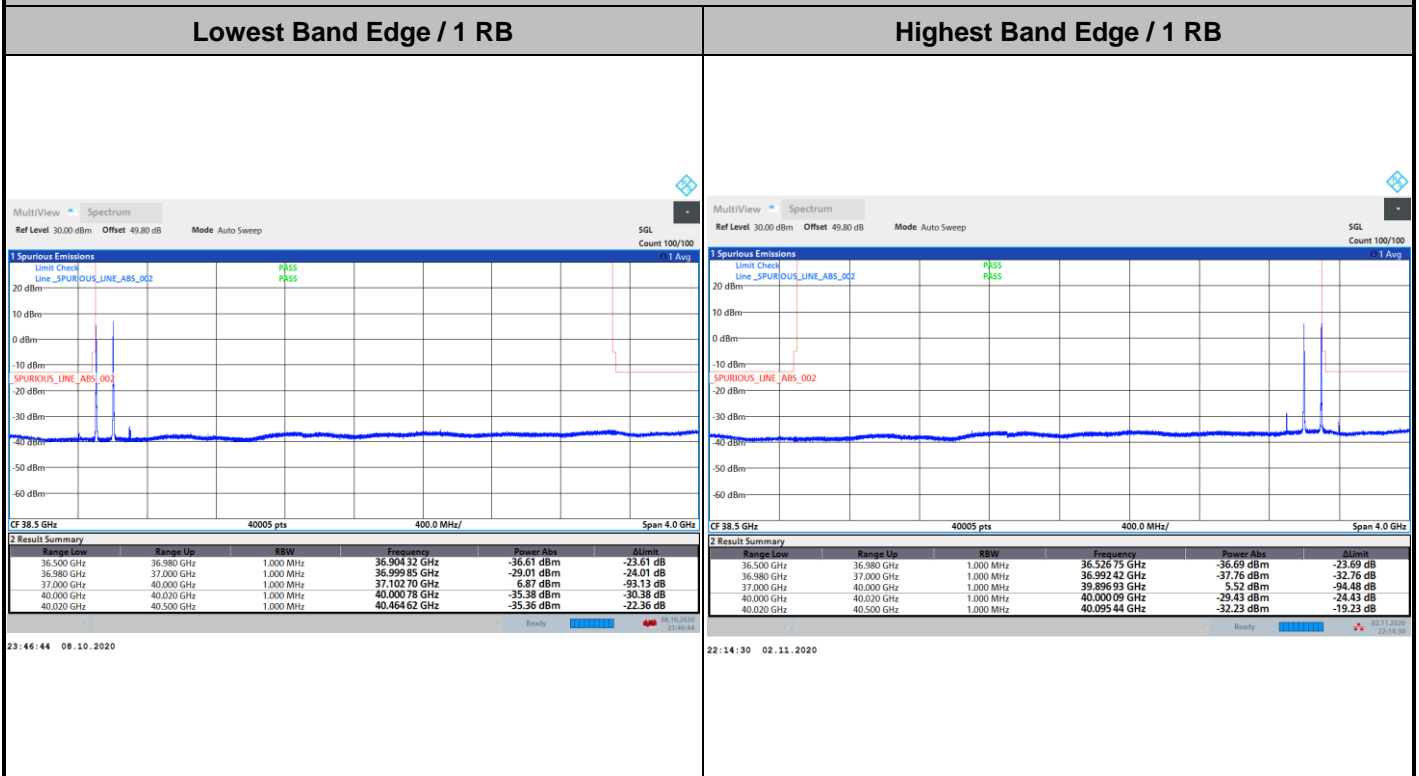
Highest Band Edge / 1 RB





DFT-s-OFDM Module 0

NR Band n260 / 200MHz / 16QAM



NR Band n260 / 200MHz / 64QAM



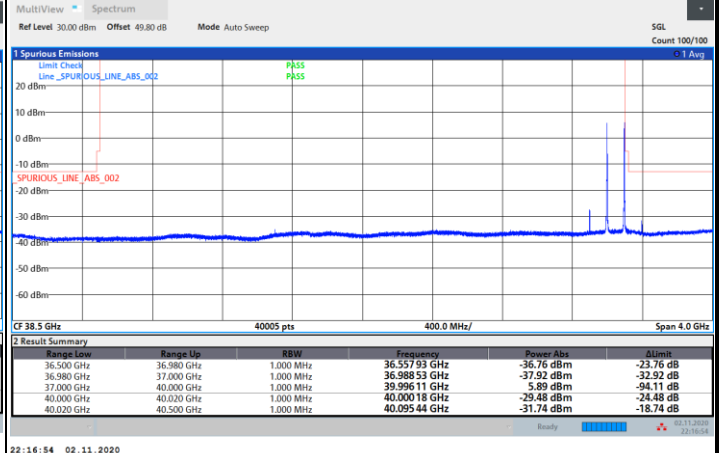
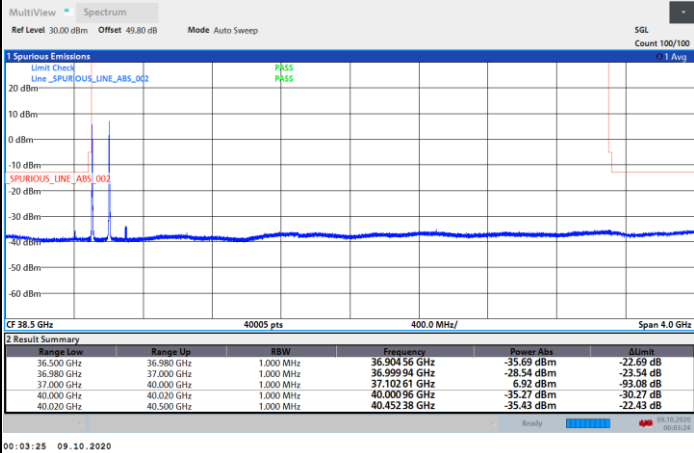


CP-OFDM Module 0

NR Band n260 / 200MHz / QPSK

Lowest Band Edge / 1 RB

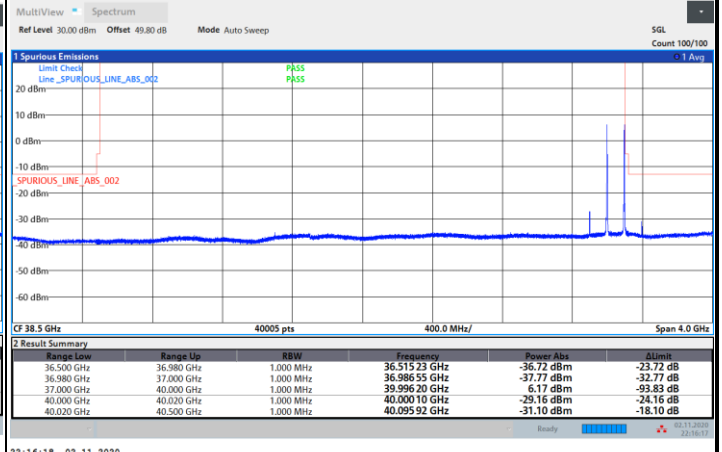
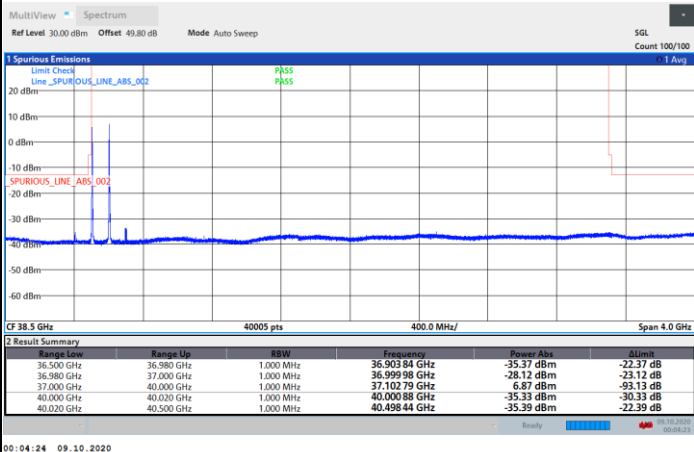
Highest Band Edge / 1 RB



NR Band n260 / 200MHz / 16QAM

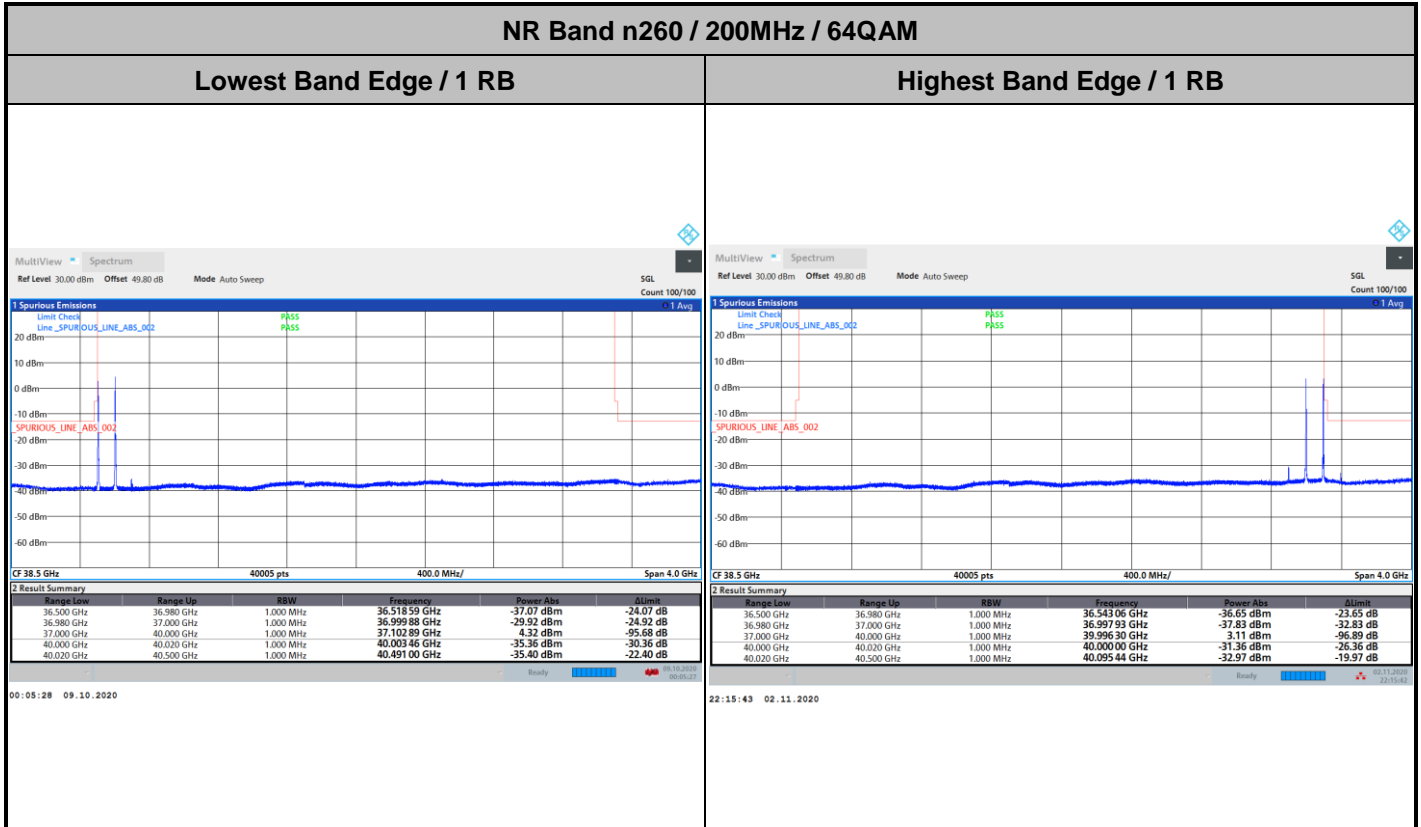
Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB





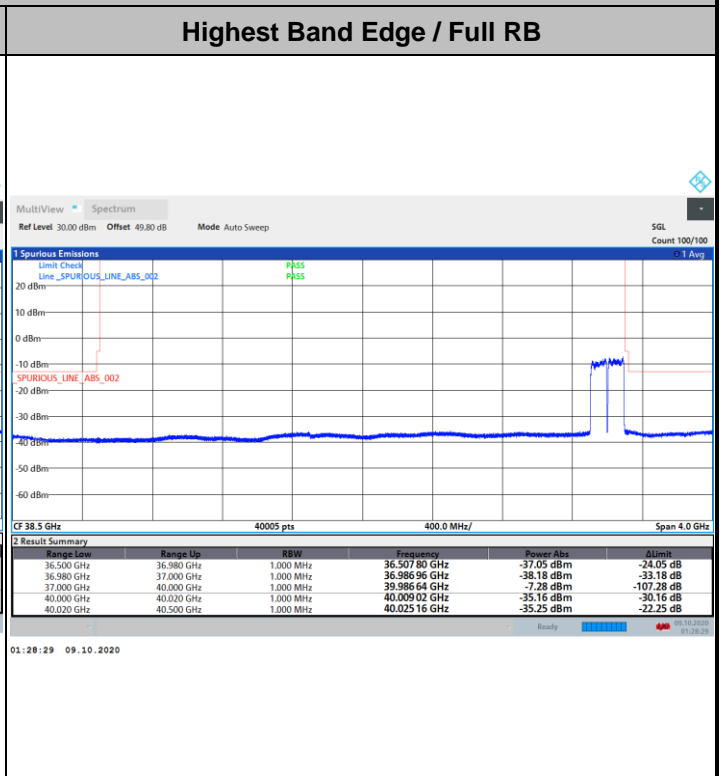
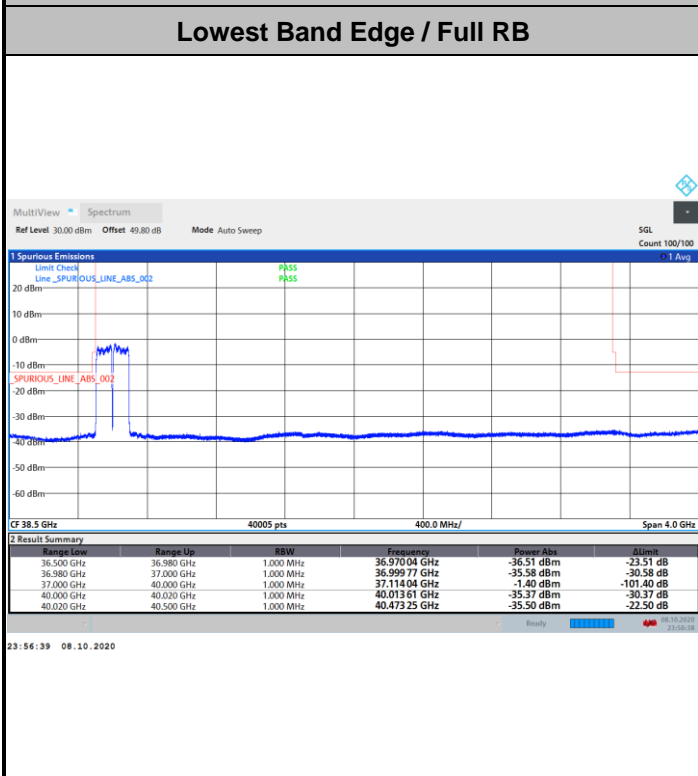
CP-OFDM Module 0



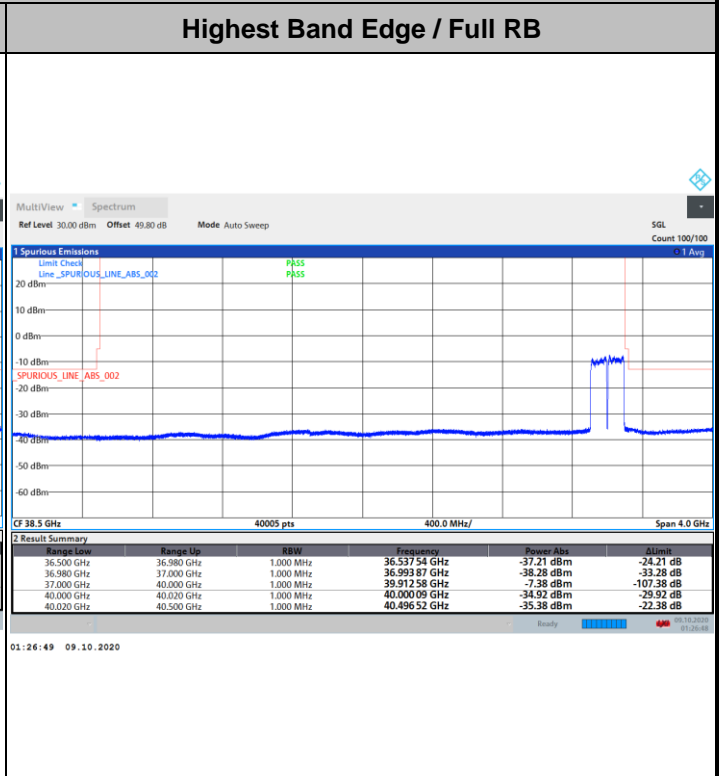
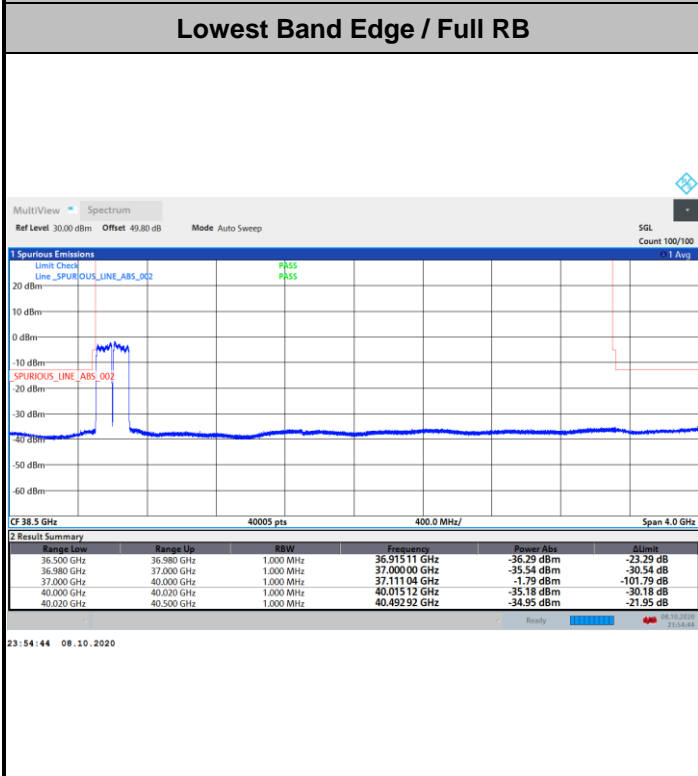


DFT-s-OFDM Module 0

NR Band n260 / 200MHz / BPSK



NR Band n260 / 200MHz / QPSK

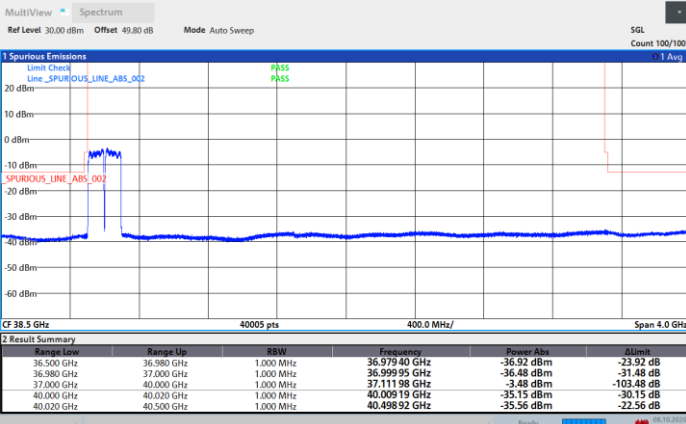




DFT-s-OFDM Module 0

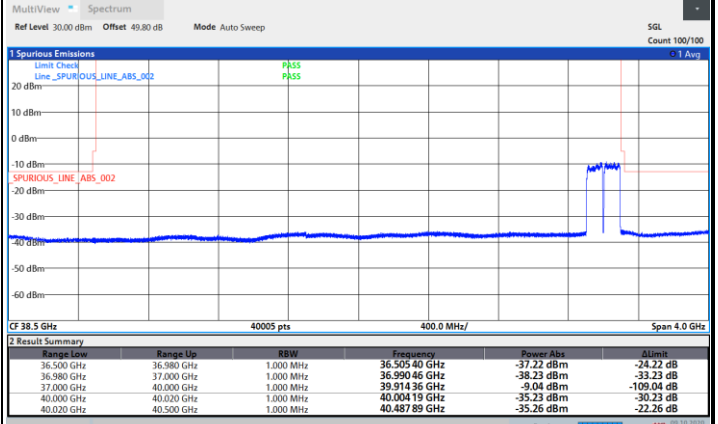
NR Band n260 / 200MHz / 16QAM

Lowest Band Edge / Full RB



23:53:04 08.10.2020

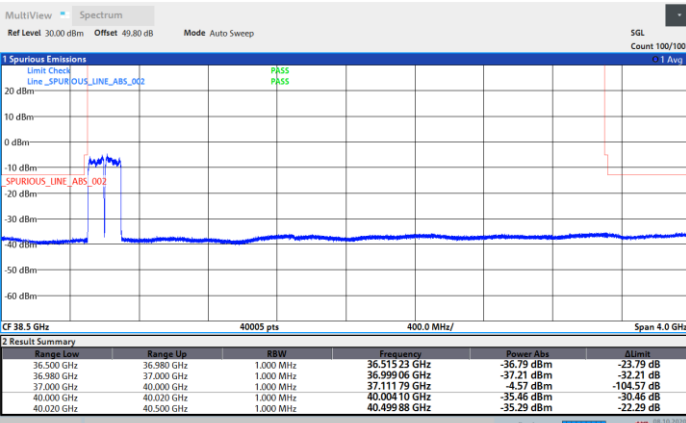
Highest Band Edge / Full RB



01:24:45 09.10.2020

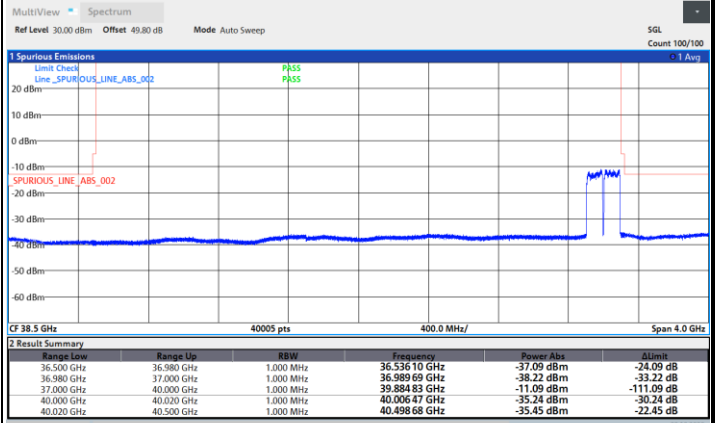
NR Band n260 / 200MHz / 64QAM

Lowest Band Edge / Full RB



23:50:36 08.10.2020

Highest Band Edge / Full RB



01:22:23 09.10.2020



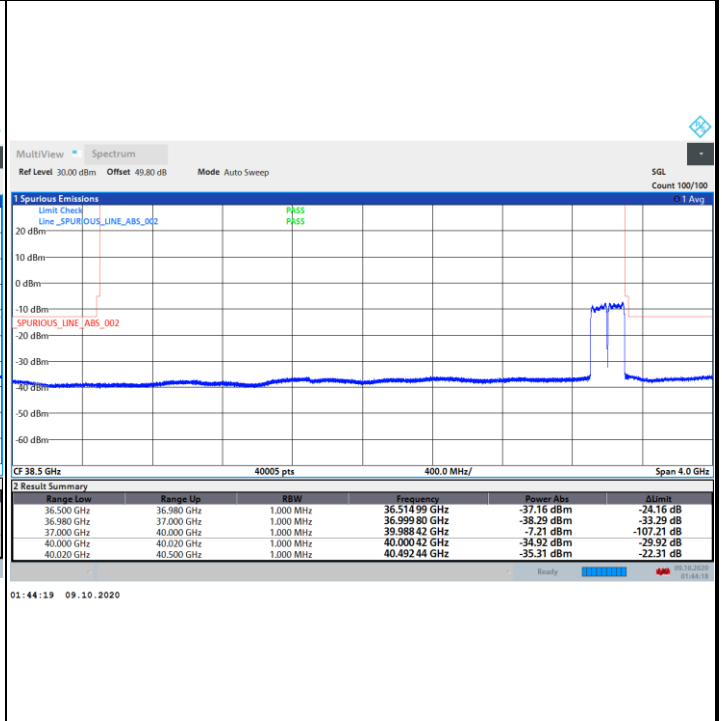
CP-OFDM Module 0

NR Band n260 / 200MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

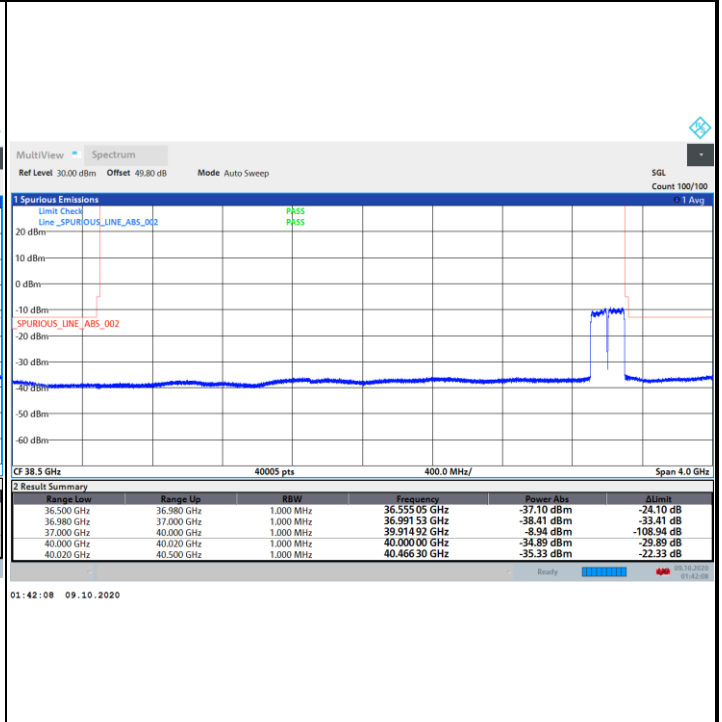


NR Band n260 / 200MHz / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



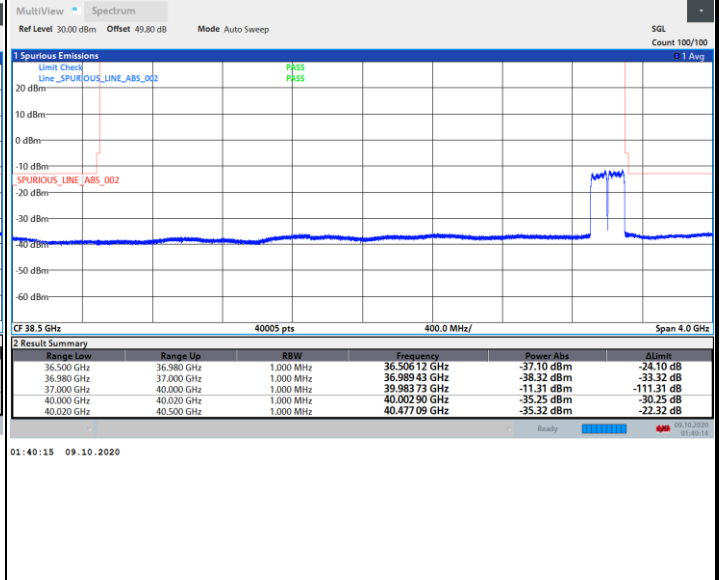
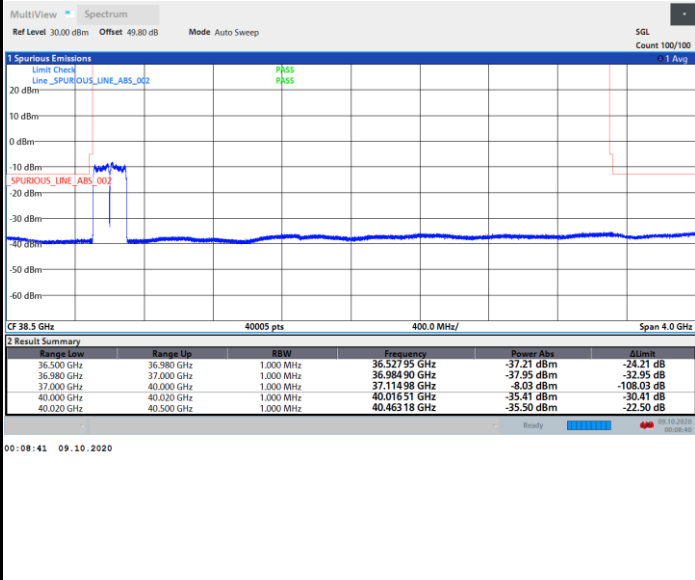


CP-OFDM Module 0

NR Band n260 / 200MHz / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

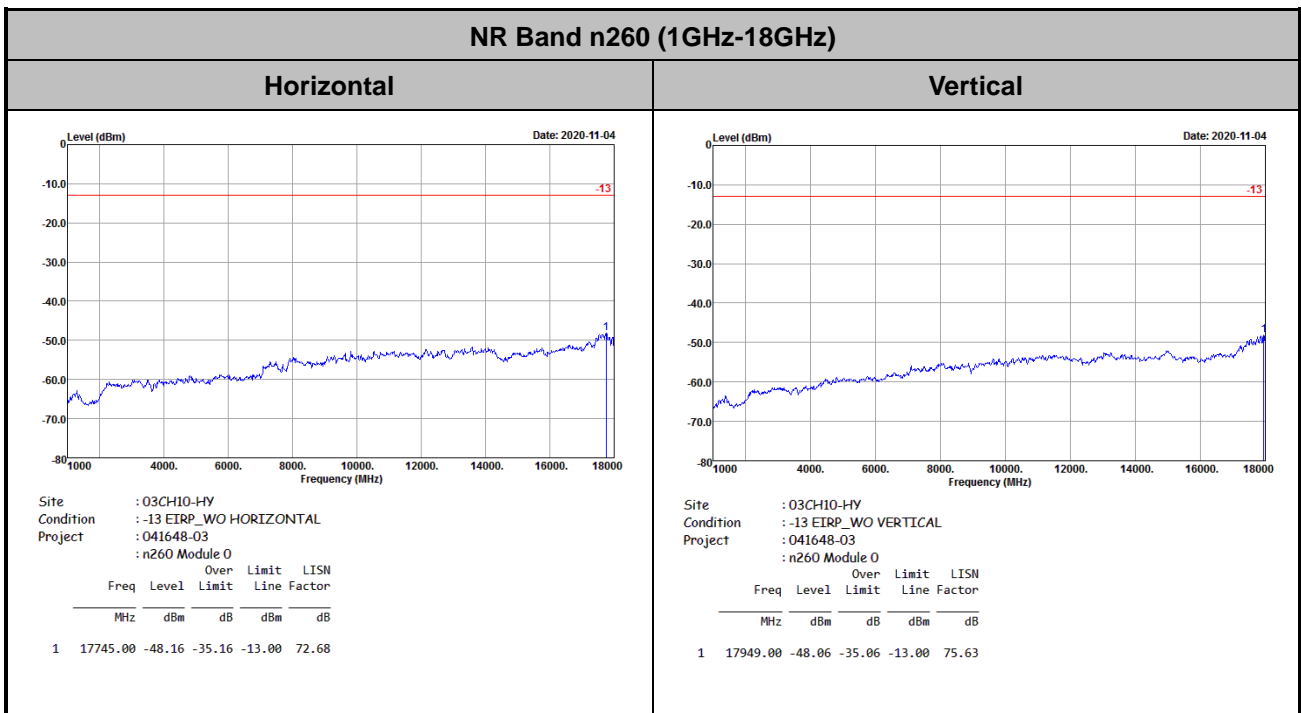
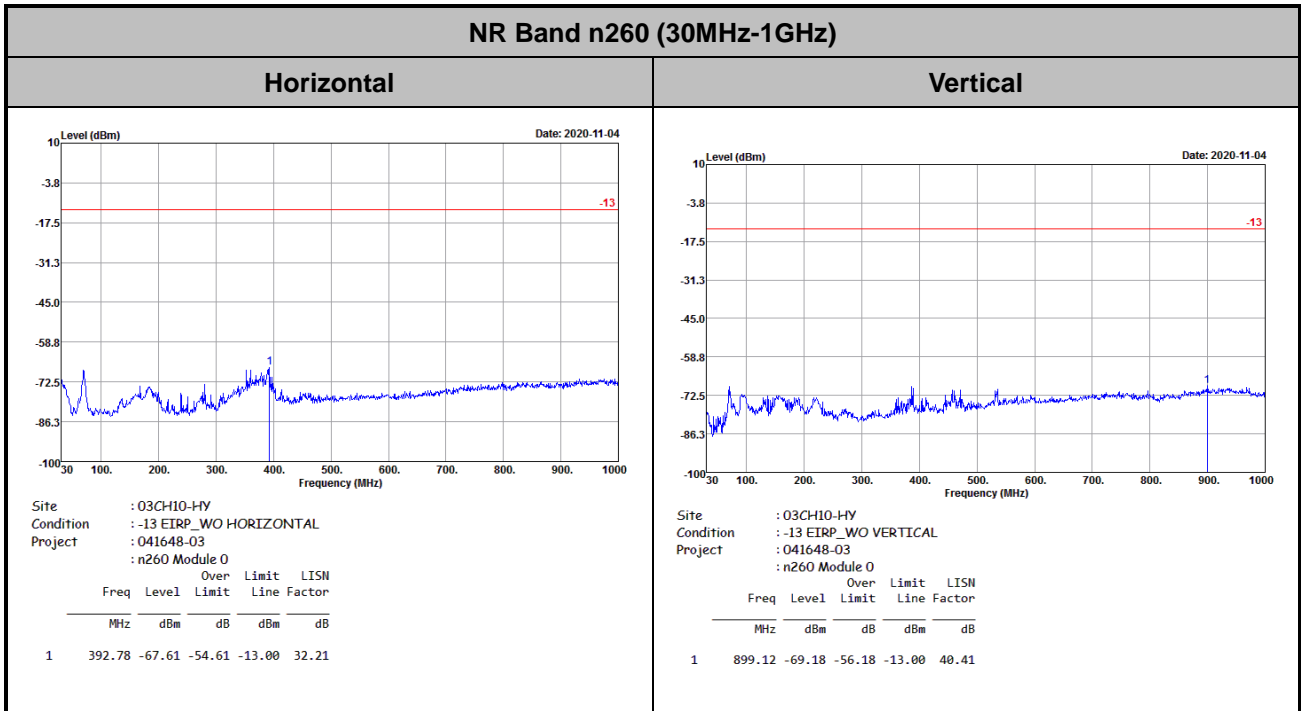






# Spurious Emission

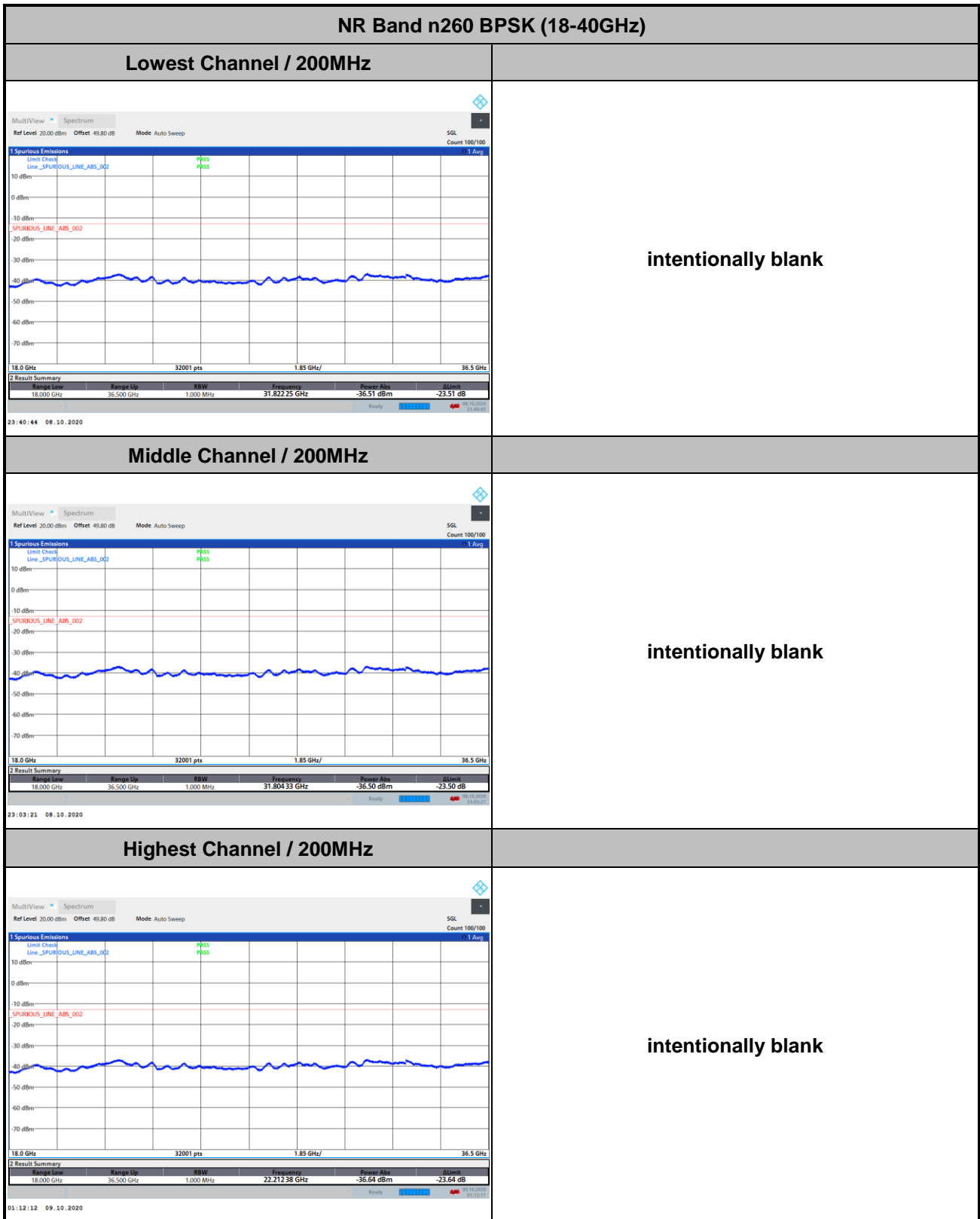
There is no significant spurious emission signal found for frequency started from 30MHz up to 18GHz. Only the noise floor is reported.





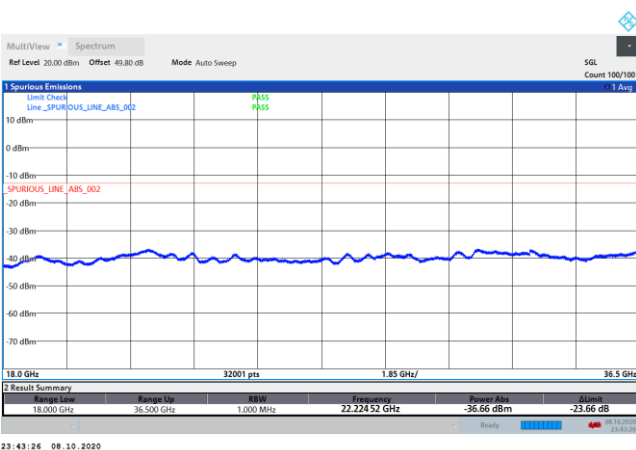
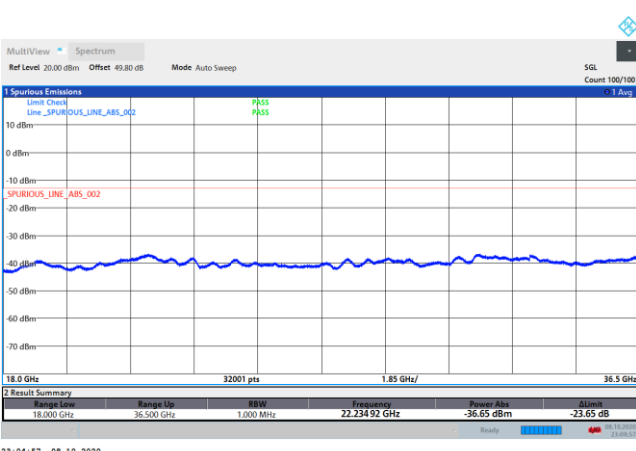
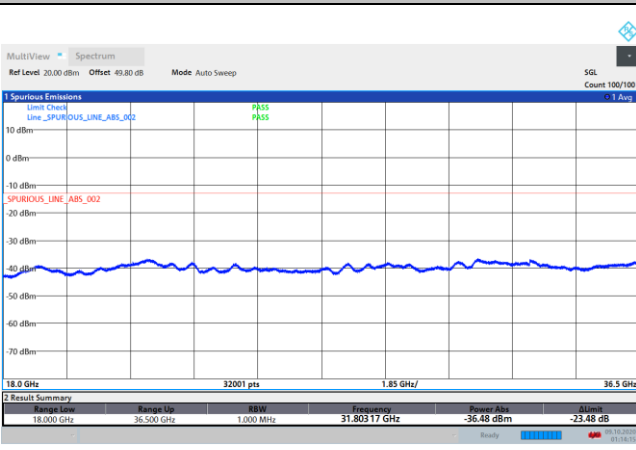
Spurious emission between 18GHz to 40GHz worst case plot is reported as following.

**DFT-s-OFDM Module 0**





DFT-s-OFDM Module 0

NR Band n260 QPSK (18-40GHz)	
Lowest Channel / 200MHz	
 <p>intentionally blank</p>	
Middle Channel / 200MHz	
 <p>intentionally blank</p>	
Highest Channel / 200MHz	
 <p>intentionally blank</p>	

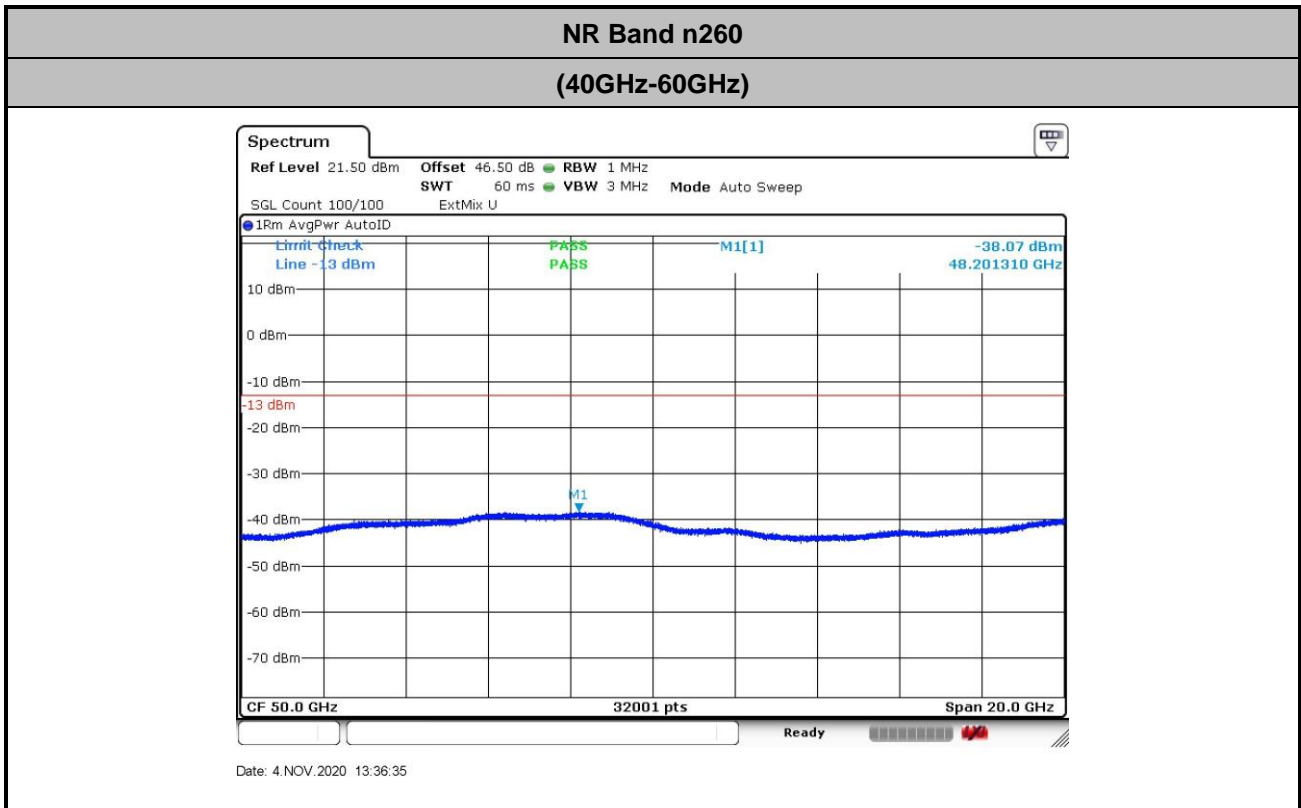


CP-OFDM Module 0

NR Band n260 QPSK (18-40GHz)	
Lowest Channel / 200MHz	
<p>MultiView Spectrum Ref Level 20.00 dBm Offset 49.80 dB Mode Auto Sweep SGL Count 100/100 Spurious Emissions Limit Check Line_SPURIOUS_LINE_ABS_002 PASS Line_SPURIOUS_LINE_ABS_002 PASS SPURIOUS_LINE_ABS_002 18.0 GHz 32001 pts 1.85 GHz/ 36.5 GHz Results Summary Range Low Range Up RBW Frequency Power Abs Signal 18.000 GHz 36.500 GHz 1.000 MHz 22.19966 GHz -36.52 dBm -23.52 dB 00:02:34 09.10.2020</p>	intentionally blank
Middle Channel / 200MHz	
<p>MultiView Spectrum Ref Level 20.00 dBm Offset 49.80 dB Mode Auto Sweep SGL Count 100/100 Spurious Emissions Limit Check Line_SPURIOUS_LINE_ABS_002 PASS Line_SPURIOUS_LINE_ABS_002 PASS SPURIOUS_LINE_ABS_002 18.0 GHz 32001 pts 1.85 GHz/ 36.5 GHz Results Summary Range Low Range Up RBW Frequency Power Abs Signal 18.000 GHz 36.500 GHz 1.000 MHz 31.79161 GHz -36.36 dBm -23.36 dB 23:20:30 08.10.2020</p>	intentionally blank
Highest Channel / 200MHz	
<p>MultiView Spectrum Ref Level 20.00 dBm Offset 49.80 dB Mode Auto Sweep SGL Count 100/100 Spurious Emissions Limit Check Line_SPURIOUS_LINE_ABS_002 PASS Line_SPURIOUS_LINE_ABS_002 PASS SPURIOUS_LINE_ABS_002 18.0 GHz 32001 pts 1.85 GHz/ 36.5 GHz Results Summary Range Low Range Up RBW Frequency Power Abs Signal 18.000 GHz 36.500 GHz 1.000 MHz 31.81415 GHz -36.61 dBm -23.61 dB 01:35:03 09.10.2020</p>	intentionally blank



There is no significant spurious emission signal found for frequency started from 40GHz up to 200GHz. Only the noise floor is reported.

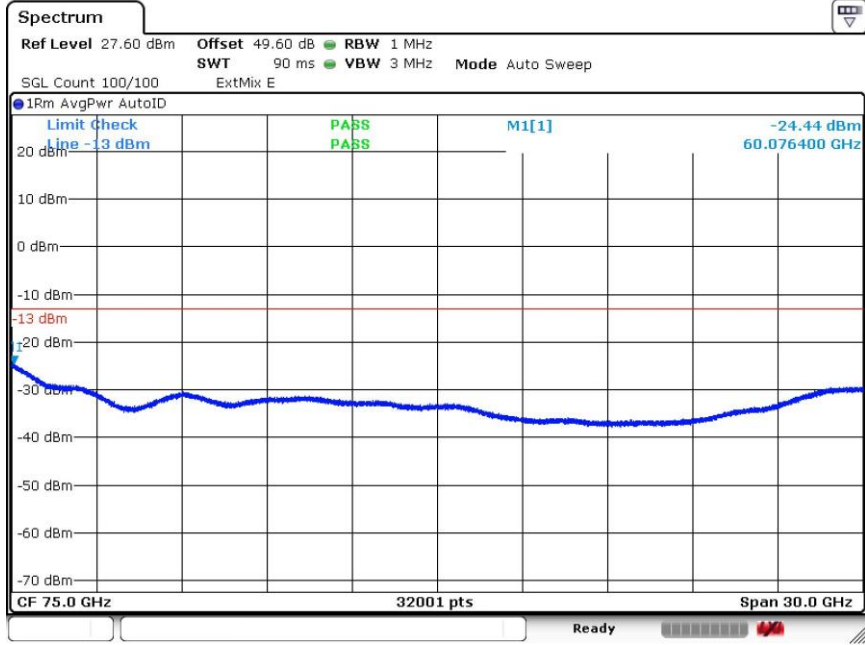


$$\begin{aligned}
 \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\
 &= 42.1 + 2.2 + 107 + 20\log(1) - 104.8 \\
 &= 46.5 \text{ (dB)}
 \end{aligned}$$



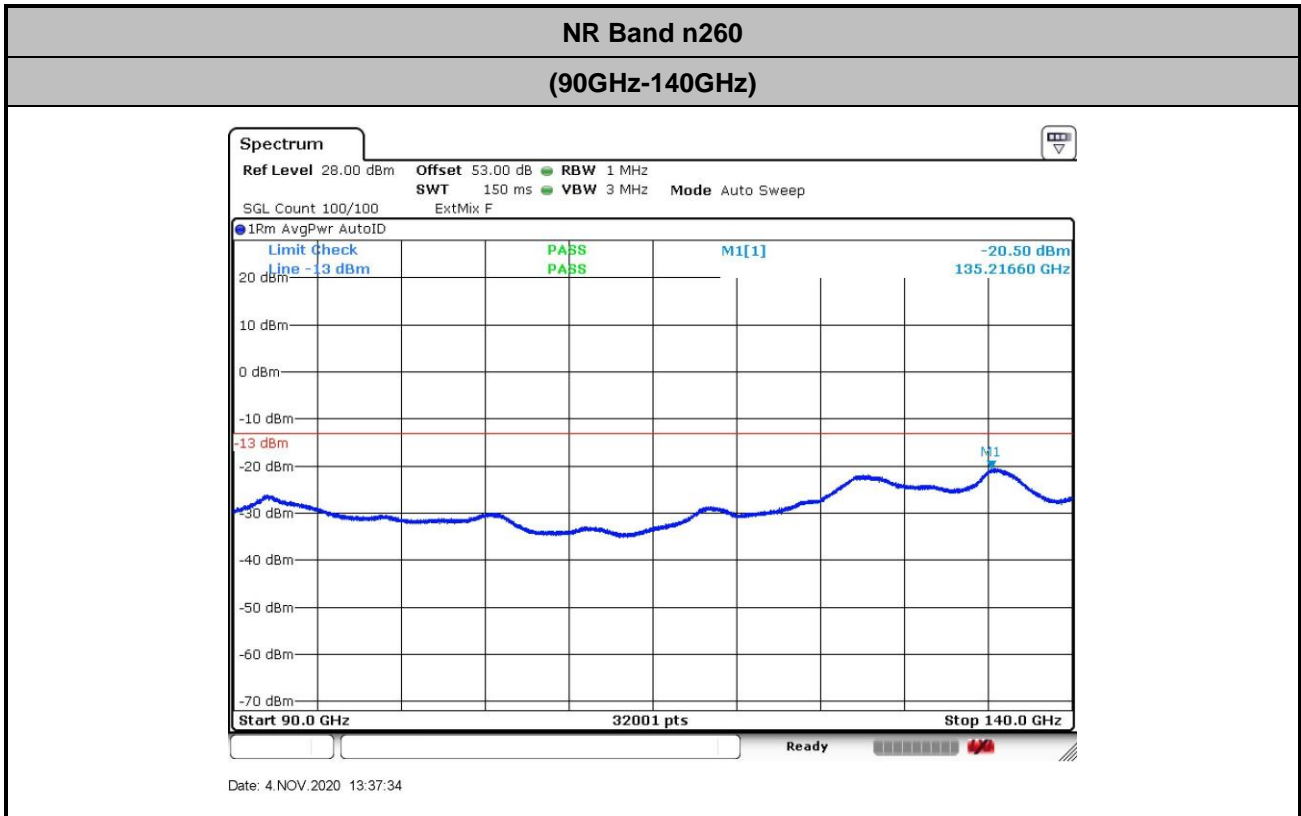
NR Band n260

(60GHz-90GHz)



Date: 4.NOV.2020 13:36:56

$$\begin{aligned}
 \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\
 &= 45.4 + 2 + 107 + 20\log(1) - 104.8 \\
 &= 49.6 \text{ (dB)}
 \end{aligned}$$

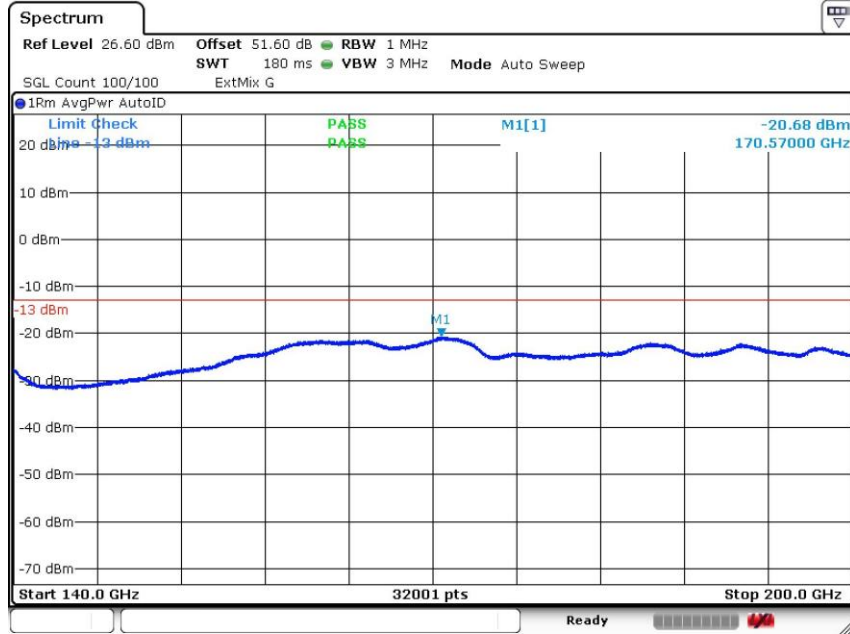


$$\begin{aligned}
 \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\
 &= 48.8 + 2 + 107 + 20\log(1) - 104.8 \\
 &= 53 \text{ (dB)}
 \end{aligned}$$



NR Band n260

(140GHz-200GHz)



Date: 4 NOV. 2020 14:26:40

$$\begin{aligned}
 \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\
 &= 53.4 + 2 + 107 + 20\log(0.5) - 104.8 \\
 &= 51.6 \text{ (dB)}
 \end{aligned}$$





# NR Band n260 Module 0 AG1

## Occupied Bandwidth

Mode	DFT-s-OFDM Module 0 NR Band n260 : 99%OBW(MHz)			
BW	200MHz			
Mod.	BPSK	QPSK	16QAM	64QAM
Lowest CH	188.45	188.52	188.34	188.82
Middle CH	188.83	188.41	188.88	189.39
Highest CH	189.53	189.42	189.63	191.94

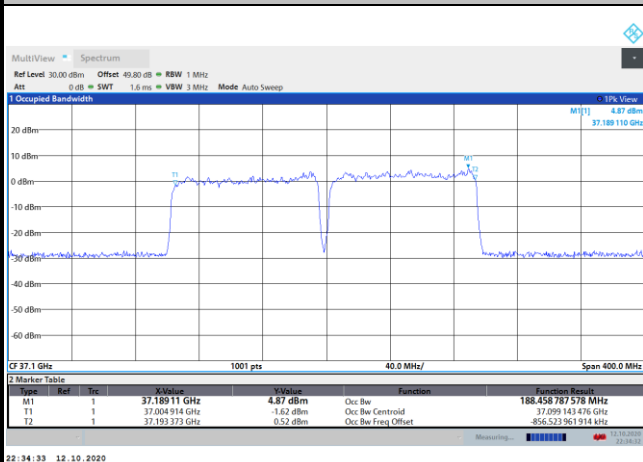
Mode	CP-OFDM Module 0 NR Band n260 : 99%OBW(MHz)		
BW	200MHz		
Mod.	QPSK	16QAM	64QAM
Lowest CH	191.19	190.99	191.59
Middle CH	191.27	191.73	192.66
Highest CH	192.87	195.25	264.60



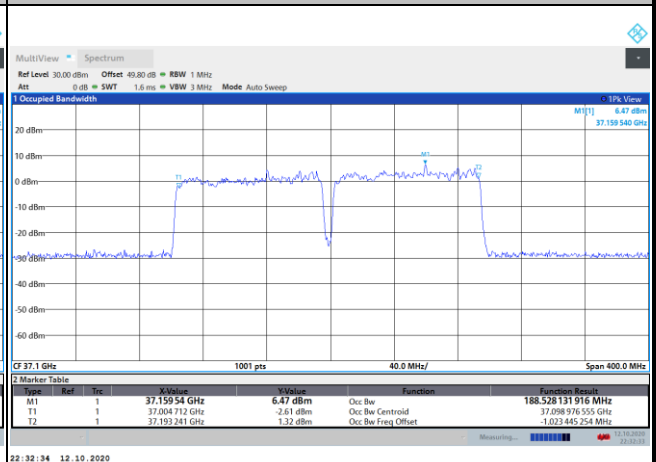
DFT-s-OFDM Module 0

NR Band n260

Lowest Channel / 200MHz / BPSK



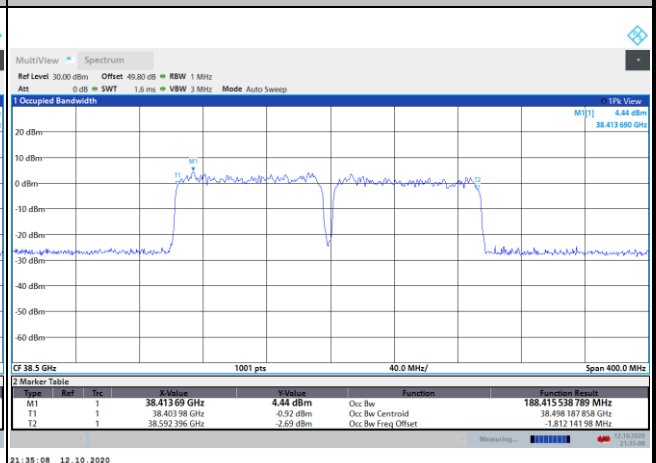
Lowest Channel / 200MHz / QPSK



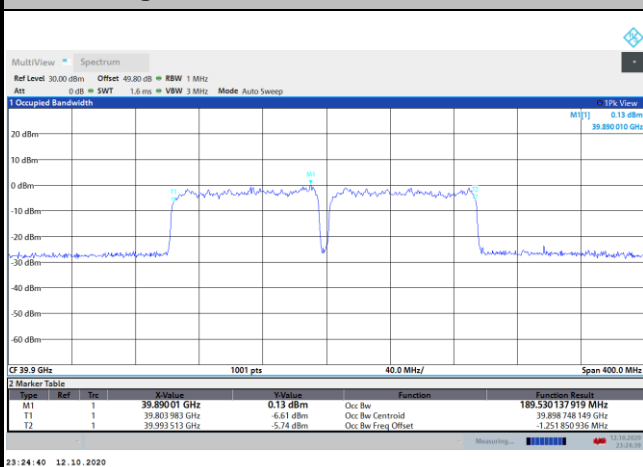
Middle Channel / 200MHz / BPSK



Middle Channel / 200MHz / QPSK



Highest Channel / 200MHz / BPSK



Highest Channel / 200MHz / QPSK

