FCC RF TEST REPORT

APPLICANT	:	Motorola Mobility LLC
EQUIPMENT	:	Mobile Cellular Phone
BRAND NAME	:	Motorola
MODEL NAME	:	XT2215-1
FCC ID	:	IHDT56AA5
STANDARD	:	FCC 47 CFR Part 2, 30
CLASSIFICATION	:	5GM–Part 30 Mobile Transmitter
TEST DATE(S)	:	Jan. 06, 2022 ~ Jan. 18, 2022

We, Sporton International Inc. (ShenZhen), 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 report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (ShenZhen), the test report shall not be reproduced except in full.

Reviewed by: Derreck Chen / Supervisor

Approved by: Eric Shih / Manager

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People's Republic of China

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History of this test report

Report No.	Version	Description	Issued Date
FG1N0903-01B	Rev. 01	Initial issue of report	Feb. 21, 2022

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	-
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.

1 General Description

1.1 Applicant

Motorola Mobility LLC
222 W, Merchandise Mart Plaza, Chicago IL 60654 USA

1.2 Manufacturer

Motorola Mobility LLC
222 W, Merchandise Mart Plaza, Chicago IL 60654 USA

1.3 Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Cellular Phone
Brand Name	Motorola
Model Name	XT2215-1
FCC ID	IHDT56AA5
IMEI Code	Radiated: 351626420009596
HW Version	DVT2
SW Version	S1SD32.29
EUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer.

1.4 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
Maximum EIRP	NR band n260: Module 0: 29.82 dBm Module 1: 29.36 dBm NR band n261: Module 0: 29.47 dBm Module 1: 29.97 dBm
Type of Modulation	CP-OFDM: QPSK / 16QAM / 64QAM DFT-s-OFDM: Pi/2-BPSK / QPSK / 16QAM / 64QAM

Remark: The highest EIRP was measured on dual beam case for n260/n261.

1.5 Modification of EUT

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

1.6 Testing Location

Sporton International Inc. (Shenzhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

Test Firm	Sporton International Inc. (Shenzhen)		
Test Site Location	1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055 People's Republic of China TEL: +86-755-86379589 FAX: +86-755-86379595		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	03CH02-SZ	CN1256	421272
Engineer	Jung Guo		
Temperature	22~25℃		
Humidity	48~52%		

1.7 Specification of Accessory

Specification of Accessory				
AC Adapter 1	**Brand Name**	Motorola(Chenyang)	**Model Name**	MC-101
AC Adapter 2	**Brand Name**	Motorola(Salcomp)	**Model Name**	MC-101
AC Adapter 3	**Brand Name**	Motorola(AOHAI)	**Model Name**	MC-101
Battery	**Brand Name**	Motorola(ATL)	**Model Name**	MD50
USB Cable 1	**Brand Name**	Motorola(Saibao)	**Model Name**	SC18D22297
USB Cable 2	**Brand Name**	Motorola(Cabletech)	**Model Name**	SC18D22298
USB Cable 3	**Brand Name**	Motorola(Luxshare)	**Model Name**	SC18D22299

1.8 Maximum EIRP Power, Frequency Tolerance and Emission Designator

5G NR n260		PI/2 BPSK / QPSK			16QAM / 64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
50	37025 ~ 39975	46M6G7D	-	0.9397	46M3W7D	-	0.5598
100	37050 ~ 39950	94M6G7D	8.660	0.9594	94M4W7D	-	0.6039
200	37050 ~ 39950	192MG7D	-	0.3342	194MW7D	-	0.2844

5G NR n261		PI/2 BPSK / QPSK			16QAM / 64QAM		
BW (MHz)	Frequency Range (MHz)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)	Emission Designator (99%OBW)	Frequency Tolerance (ppm)	Maximum EIRP(W)
50	27525 ~ 28325	46M4G7D	-	0.9795	46M3W7D	-	0.5649
100	27550 ~ 28300	94M5G7D	7.126	0.9931	94M3W7D	-	0.5808
200	27550 ~ 28300	192MG7D	-	0.3690	192MW7D	-	0.3214

1.9 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 v01r02

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 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.

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.

EUT performs the test in non-signaling mode.

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.

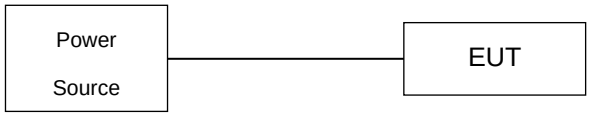
Only the worst case setting configuration of the device is reported in the test report.

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 DFT-s-OFDM				RB #			Test Channel		
		50	100	200	BPSK	QPSK	16QAM	64QAM	1	-	Full	L	M	H
EIRP	n260 n261	v	v	v	v	v	v	v	v		v	v	v	v
99% Occupied Bandwidth	n260 n261	v	v	v	v	v	v	v			v	v	v	v
Out of Band Emission	n260 n261	v	v	v	v	v	v	v	v		v	v		v
Spurious Emission	n260 n261	v	v	v	v	v			v			v	v	v
Frequency Stability	n260 n261	CW tone											v	
Remark	1. The mark "**v** " means that this configuration is chosen for testing 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. 3. All the radiated test cases were performed with built-in battery. 4. The out of band and spurious emission were measured radiated EIRP. 5. The 200MHz BW is carrier aggregation by 2CC of 100MHz													

2.2 Connection Diagram of Test System



This example is connection diagram of EUT test configurations.

. For detail, please refer to test mode configuration and setup photographs for each test item.

2.3 Measurement Results Explanation Example

According to ANSI C63.26-2015 Section 5.2.7

EIRP (dBm) = E(dBuV/m) + 20log (D) -104.8.

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

E (dBuV/m) = Spectrum Reading Level (dBm) + Antenna Factor (dB/m) + Cable Loss (dB) + 107

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

Offset = Antenna Factor (dB/m) + Cable Loss (dB) + 107 + 20log (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 :

Offset = Antenna Factor (dB/m) + Cable Loss (dB) + 107 + 20log (D) – 104.8

= 43.8 + 9.51 + 107 + 20log(1) – 104.8

= 55.51 (dB)

2.4 Far Field Condition for Frequency above 18GHz

Horn Antenna	Frequency (GHz)	Antenna Dimension A (mm)	Wavelength (λ) (m)	Far field R (m) >= $2A^2/\lambda$	Measurement Distance (D) (m)	Distance Factor 20log(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		

2.5 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

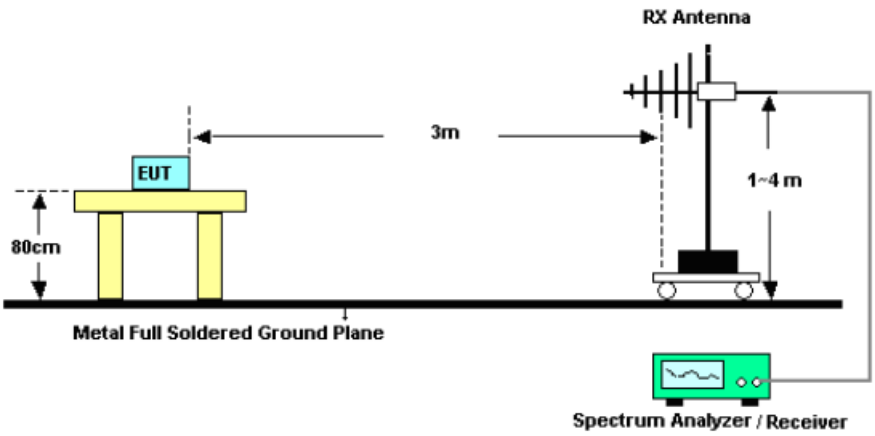
3 Radiated Test Items

3.1 Measuring Instruments

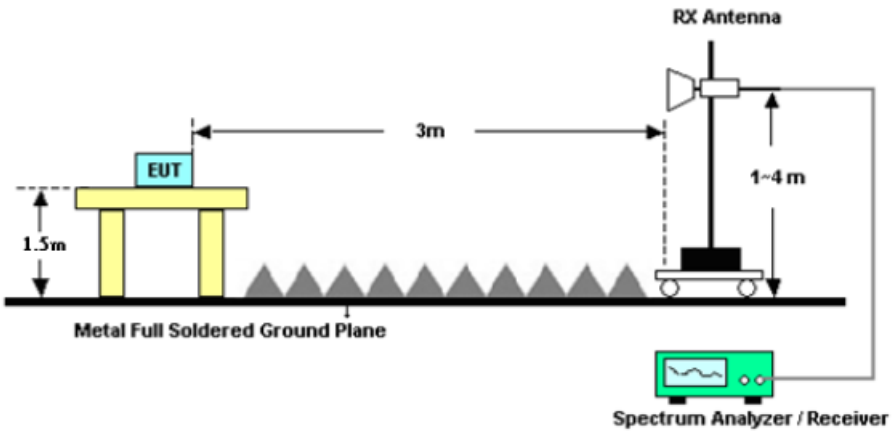
See list of measuring instruments of this test report.

3.2 Test Setup

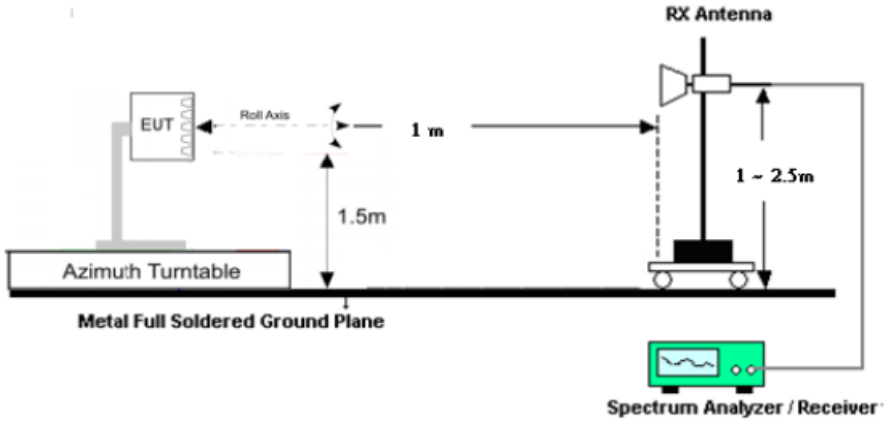
For radiated emissions from 30MHz to 1GHz



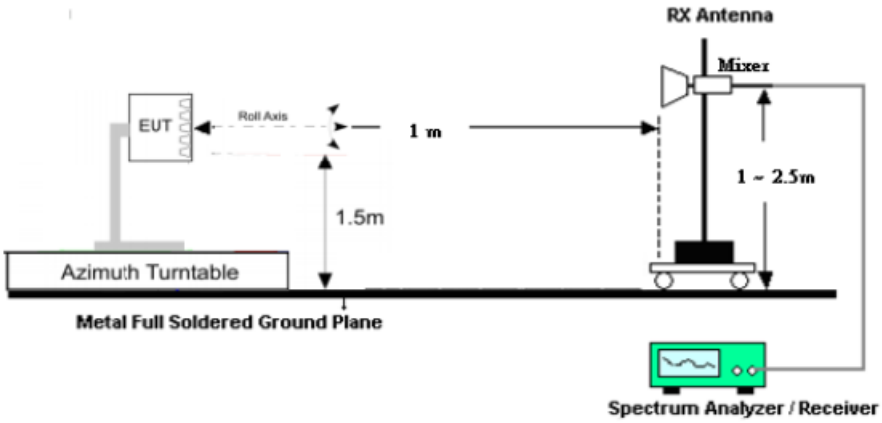
For radiated emissions 1GHz to 18GHz



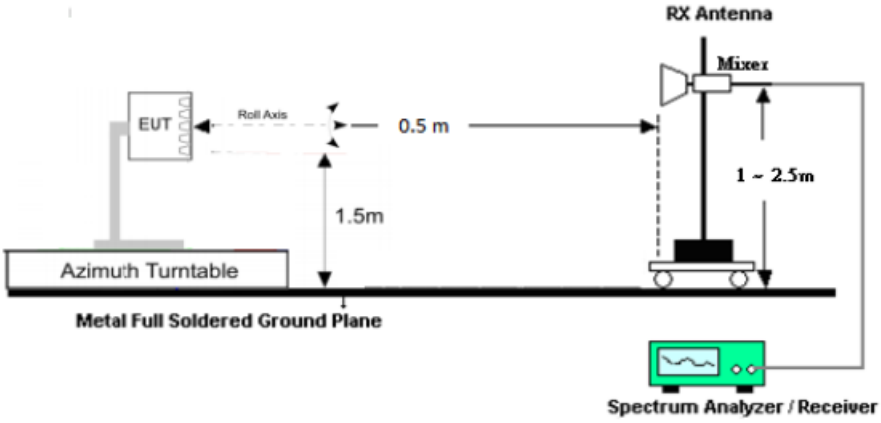
For radiated emissions above 18GHz up to 40GHz



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 ≥ 2 x 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
    EIRP (dBm) = E(dBuV/m) + 20log (D) -104.8.
    where D is the measurement distance (in the far field region) in m.
    E (dBuV/m) = Spectrum Level (dBm) + Antenna Factor (dB/m) + Cable Loss (dB) + 107
    That is, set the spectrum offset including sum of
    Antenna Factor (dB/m) + Cable Loss (dB) + 107 + 20log (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 ≥ 2 x 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

    EIRP (dBm) = E(dBuV/m) + 20log (D) -104.8.

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

    E (dBuV/m) = Spectrum Level (dBm) + Antenna Factor (dB/m) + Cable Loss (dB) + 107

    That is, set the spectrum offset including sum of

    Antenna Factor (dB/m) + Cable Loss (dB) + 107 + 20log (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
Spectrum Analyzer	R&S	FSV3044	101128	9KHz-44GHz	Mar. 03, 2021	Jan. 06, 2022~ Feb. 18, 2022	Mar. 02, 2022	Radiation (03CH02-SZ)
Spectrum Analyzer	R&S	FSV40	101829	10Hz~40GHz	Mar. 08, 2021	Jan. 06, 2022~ Feb. 18, 2022	Mar. 07, 2022	Radiation (03CH02-SZ)
Spectrum Analyzer	R&S	FSV40	NA	18Ghz-40GHz	Apr. 11, 2021	Jan. 06, 2022~ Feb. 18, 2022	Apr. 10, 2022	Radiation (03CH02-SZ)
Harmonic Mixer (*)	R&S	FS-Z60	101017	40-60GHz	Sep. 19, 2019	Jan. 06, 2022~ Feb. 18, 2022	Sep. 18, 2022	Radiation (03CH02-SZ)
Harmonic Mixer (*)	R&S	FS-Z90	102037	60-90GHz	Oct. 10, 2019	Jan. 06, 2022~ Feb. 18, 2022	Oct. 09, 2022	Radiation (03CH02-SZ)
Harmonic Mixer (*)	R&S	FS-Z140	101141	90-140GHz	Sep. 09, 2019	Jan. 06, 2022~ Feb. 18, 2022	Sep. 08, 2022	Radiation (03CH02-SZ)
Harmonic Mixer (*)	R&S	FS-Z220	101026	140-220GHz	Apr. 09, 2019	Jan. 06, 2022~ Feb. 18, 2022	Apr. 08, 2022	Radiation (03CH02-SZ)
Horn Antenna	SCHWARZBECK	BBHA 9170	9170 #679	15GHz~40GHz	Jul. 26, 2021	Jan. 06, 2022~ Feb. 18, 2022	Jul. 25, 2022	Radiation (03CH02-SZ)
Standard Horn Antenna	Quinstar	QWH-UPRR 00	01	40-60GHz	Jul. 10, 2020	Jan. 06, 2022~ Feb. 18, 2022	Jul. 09, 2023	Radiation (03CH02-SZ)
Standard Horn Antenna	Quinstar	QWH-EPRR 00	1012700010	60-90GHz	Jul. 10, 2020	Jan. 06, 2022~ Feb. 18, 2022	Jul. 09, 2023	Radiation (03CH02-SZ)
Standard Horn Antenna	Quinstar	QWH-FPRR 00	1011500009	90-140GHz	Jul. 10, 2020	Jan. 06, 2022~ Feb. 18, 2022	Jul. 09, 2023	Radiation (03CH02-SZ)
Standard Horn Antenna	Quinstar	QWH-GPRR 00	01	140-220GHz	Jul. 10, 2020	Jan. 06, 2022~ Feb. 18, 2022	Jul. 09, 2023	Radiation (03CH02-SZ)
Temperature & Humidity Chamber	ESPEC	SH-241	92013271	Temperature(-40~150°C)Humidity (20~95%RH)	May 13, 2021	Jan. 06, 2022~ Feb. 18, 2022	May 12, 2022	Radiation (03CH02-SZ)
Turn Table	EMEC	NA	NA	Phi/Theta 0~360 Degree	NCR	Jan. 06, 2022~ Feb. 18, 2022	NCR	Radiation (03CH02-SZ)
Controller	EMEC	EM 1000	NA	Control Turn table	NCR	Jan. 06, 2022~ Feb. 18, 2022	NCR	Radiation (03CH02-SZ)

Note:

1. (*) Equipment manufacturer's Calibration Certificate.

2. NCR: No Calibration Required

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))	2.47dB

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.72dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.98dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	6.72dB

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:29) Maximum Average EIRP [dBm]					
	BW [MHz]	Waveform	Modulation	Inner 1RB	Inner Full
Lowest	50	DFT-S	BPSK	27.59	27.42
	50	DFT-S	QPSK	27.54	27.29
	50	DFT-S	16QAM	25.07	25.04
	50	DFT-S	64QAM	22.55	22.87
	100	DFT-S	BPSK	27.00	27.14
	100	DFT-S	QPSK	27.31	27.03
	100	DFT-S	16QAM	24.90	24.76
	100	DFT-S	64QAM	22.38	22.61
	200	DFT-S	BPSK	20.96	23.33
	200	DFT-S	QPSK	21.32	23.29
	200	DFT-S	16QAM	20.78	22.55
	200	DFT-S	64QAM	21.20	20.41

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

NR Band n260 Module 0 AG0 (Beam ID:29) Maximum Average EIRP [dBm]					
	BW [MHz]	Waveform	Modulation	Inner 1RB	Inner Full
Middle	50	DFT-S	BPSK	27.09	27.67
	50	DFT-S	QPSK	27.02	27.55
	50	DFT-S	16QAM	25.19	25.28
	50	DFT-S	64QAM	23.22	23.33
	100	DFT-S	BPSK	26.63	26.88
	100	DFT-S	QPSK	26.36	26.69
	100	DFT-S	16QAM	24.22	24.82
	100	DFT-S	64QAM	22.36	22.69
	200	DFT-S	BPSK	19.60	21.98
	200	DFT-S	QPSK	19.53	22.04
	200	DFT-S	16QAM	18.78	21.36
	200	DFT-S	64QAM	19.10	19.30

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

NR Band n260 Module 0 AG0 (Beam ID: 29) Maximum Average EIRP [dBm]					
	BW [MHz]	Waveform	Modulation	Inner 1RB	Inner Full
Highest	50	DFT-S	BPSK	27.82	27.87
	50	DFT-S	QPSK	27.90	27.71
	50	DFT-S	16QAM	25.63	25.49
	50	DFT-S	64QAM	23.00	23.45
	100	DFT-S	BPSK	26.75	27.03
	100	DFT-S	QPSK	27.21	27.03
	100	DFT-S	16QAM	25.04	24.73
	100	DFT-S	64QAM	22.41	22.65
	200	DFT-S	BPSK	19.86	22.08
	200	DFT-S	QPSK	19.84	22.06
	200	DFT-S	16QAM	19.44	21.34
	200	DFT-S	64QAM	19.65	19.33

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

NR Band n260 Module 0 AG1 (Beam ID:157) Maximum Average EIRP [dBm]					
	BW [MHz]	Waveform	Modulation	Inner 1RB	Inner Full
Lowest	50	DFT-S	BPSK	27.47	27.19
	50	DFT-S	QPSK	27.57	27.20
	50	DFT-S	16QAM	25.64	24.83
	50	DFT-S	64QAM	22.82	22.81
	100	DFT-S	BPSK	27.38	27.10
	100	DFT-S	QPSK	27.49	27.11
	100	DFT-S	16QAM	25.52	25.00
	100	DFT-S	64QAM	22.73	22.64
	200	DFT-S	BPSK	19.08	22.08
	200	DFT-S	QPSK	19.44	22.14
	200	DFT-S	16QAM	19.19	21.54
	200	DFT-S	64QAM	19.32	19.16

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

NR Band n260 Module 0 AG1 (Beam ID: 157) Maximum Average EIRP [dBm]					
	BW [MHz]	Waveform	Modulation	Inner 1RB	Inner Full
Middle	50	DFT-S	BPSK	26.57	26.68
	50	DFT-S	QPSK	26.55	26.76
	50	DFT-S	16QAM	24.32	24.66
	50	DFT-S	64QAM	21.60	22.57
	100	DFT-S	BPSK	25.98	26.22
	100	DFT-S	QPSK	26.02	26.06
	100	DFT-S	16QAM	23.97	24.04
	100	DFT-S	64QAM	21.27	22.07
	200	DFT-S	BPSK	19.74	22.37
	200	DFT-S	QPSK	19.86	22.35
	200	DFT-S	16QAM	19.34	21.81
	200	DFT-S	64QAM	19.25	19.72

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

NR Band n260 Module 0 AG1 (Beam ID:157) Maximum Average EIRP [dBm]					
	BW [MHz]	Waveform	Modulation	Inner 1RB	Inner Full
Highest	50	DFT-S	BPSK	27.17	27.11
	50	DFT-S	QPSK	27.26	27.10
	50	DFT-S	16QAM	25.47	24.86
	50	DFT-S	64QAM	22.76	22.93
	100	DFT-S	BPSK	26.51	26.40
	100	DFT-S	QPSK	26.74	26.47
	100	DFT-S	16QAM	24.91	24.57
	100	DFT-S	64QAM	22.21	22.20
	200	DFT-S	BPSK	19.22	21.80
	200	DFT-S	QPSK	19.79	21.75
	200	DFT-S	16QAM	20.17	21.24
	200	DFT-S	64QAM	19.61	19.10

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

Note: For Beam ID 29+157 & 30 +158, the whole testing has assessed only Beam ID 29+157 by referring to their higher test level.

NR Band n260 Module 0 AG0+1 (Beam ID:29+157) Maximum Average EIRP [dBm]					
	BW [MHz]	Waveform	Modulation	Inner 1RB	Inner Full
Lowest	50	DFT-S	BPSK	29.71	29.32
	50	DFT-S	QPSK	29.73	29.31
	50	DFT-S	16QAM	26.95	27.11
	50	DFT-S	64QAM	25.90	24.82
	100	DFT-S	BPSK	29.24	29.34
	100	DFT-S	QPSK	29.22	29.44
	100	DFT-S	16QAM	27.02	27.12
	100	DFT-S	64QAM	24.87	25.06
	200	DFT-S	BPSK	24.06	25.22
	200	DFT-S	QPSK	24.29	25.24
	200	DFT-S	16QAM	23.27	24.54
	200	DFT-S	64QAM	23.64	22.66

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

NR Band n260 Module 0 AG0+1 (Beam ID:29+157) Maximum Average EIRP [dBm]					
	BW [MHz]	Waveform	Modulation	Inner 1RB	Inner Full
Middle	50	DFT-S	BPSK	29.71	29.33
	50	DFT-S	QPSK	29.44	29.17
	50	DFT-S	16QAM	27.44	27.09
	50	DFT-S	64QAM	26.00	25.13
	100	DFT-S	BPSK	29.68	29.82
	100	DFT-S	QPSK	29.57	29.80
	100	DFT-S	16QAM	27.55	27.81
	100	DFT-S	64QAM	26.21	25.76
	100	CP	QPSK	25.47	26.39
	100	CP	16QAM	24.19	25.18
	100	CP	64QAM	22.77	23.25
	200	DFT-S	BPSK	23.61	24.52
	200	DFT-S	QPSK	23.31	24.55
	200	DFT-S	16QAM	23.17	24.13
	200	DFT-S	64QAM	23.12	22.03

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

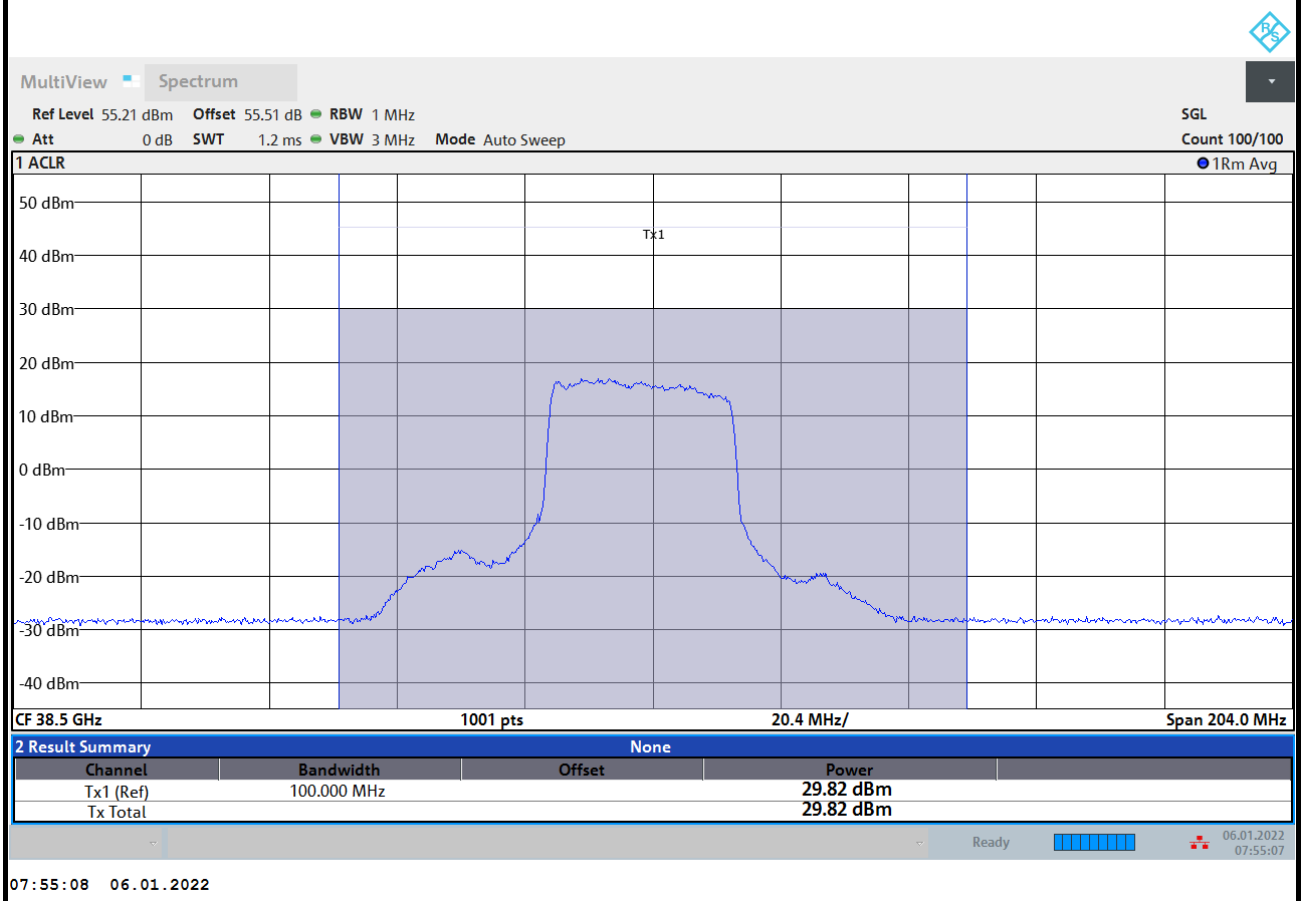
NR Band n260 Module 0 AG0+1 (Beam ID:29+157) Maximum Average EIRP [dBm]					
	BW [MHz]	Waveform	Modulation	Inner 1RB	Inner Full
Highest	50	DFT-S	BPSK	29.17	29.67
	50	DFT-S	QPSK	29.08	29.60
	50	DFT-S	16QAM	26.37	27.48
	50	DFT-S	64QAM	24.63	25.47
	100	DFT-S	BPSK	29.23	29.26
	100	DFT-S	QPSK	29.25	29.01
	100	DFT-S	16QAM	27.56	26.99
	100	DFT-S	64QAM	25.76	24.97
	200	DFT-S	BPSK	23.42	24.26
	200	DFT-S	QPSK	23.42	24.16
	200	DFT-S	16QAM	23.03	23.69
	200	DFT-S	64QAM	22.78	22.85

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

NR Band n260 Module 0

EIRP Worst Case Plot

Middle Channel / 100MHz / BPSK / 20RB22 (Module 0)



Offset = Antenna Factor (dB/m) + Cable Loss (dB) + 107 + 20log (D) – 104.8

= 43.8 + 9.51 + 107 + 20log(1) – 104.8 = 55.51 (dB)

NR Band n260 Module 1

NR Band n260 Module 1 AG0 (Beam ID:24) Maximum Average EIRP [dBm]					
	BW [MHz]	Waveform	Modulation	Inner 1RB	Inner Full
Lowest	50	DFT-S	BPSK	29.00	28.99
	50	DFT-S	QPSK	29.06	28.97
	50	DFT-S	16QAM	26.38	26.78
	50	DFT-S	64QAM	24.53	24.42
	100	DFT-S	BPSK	28.87	28.73
	100	DFT-S	QPSK	28.88	28.78
	100	DFT-S	16QAM	26.10	26.53
	100	DFT-S	64QAM	24.36	24.24
	200	DFT-S	BPSK	22.62	24.48
	200	DFT-S	QPSK	22.47	24.55
	200	DFT-S	16QAM	22.44	23.90
	200	DFT-S	64QAM	22.51	21.67

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

NR Band n260 Module 1 AG0 (Beam ID:24) Maximum Average EIRP [dBm]					
	BW [MHz]	Waveform	Modulation	Inner 1RB	Inner Full
Middle	50	DFT-S	BPSK	28.83	29.20
	50	DFT-S	QPSK	29.11	29.04
	50	DFT-S	16QAM	26.58	26.93
	50	DFT-S	64QAM	24.51	24.80
	100	DFT-S	BPSK	28.25	28.51
	100	DFT-S	QPSK	28.54	28.51
	100	DFT-S	16QAM	26.16	26.49
	100	DFT-S	64QAM	23.93	24.34
	200	DFT-S	BPSK	21.48	24.76
	200	DFT-S	QPSK	21.11	24.88
	200	DFT-S	16QAM	21.68	24.24
	200	DFT-S	64QAM	21.85	22.16

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

NR Band n260 Module 1 AG0 (Beam ID: 24) Maximum Average EIRP [dBm]					
	BW [MHz]	Waveform	Modulation	Inner 1RB	Inner Full
Highest	50	DFT-S	BPSK	28.21	28.65
	50	DFT-S	QPSK	28.28	28.29
	50	DFT-S	16QAM	25.84	26.09
	50	DFT-S	64QAM	23.98	23.90
	100	DFT-S	BPSK	27.52	27.38
	100	DFT-S	QPSK	27.48	27.31
	100	DFT-S	16QAM	24.98	25.08
	100	DFT-S	64QAM	22.64	22.85
	200	DFT-S	BPSK	20.88	23.00
	200	DFT-S	QPSK	20.83	23.16
	200	DFT-S	16QAM	20.75	22.48
	200	DFT-S	64QAM	21.09	20.54

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

NR Band n260 Module 1 AG1 (Beam ID:152) Maximum Average EIRP [dBm]					
	BW [MHz]	Waveform	Modulation	Inner 1RB	Inner Full
Lowest	50	DFT-S	BPSK	24.69	24.82
	50	DFT-S	QPSK	24.91	24.69
	50	DFT-S	16QAM	22.88	22.61
	50	DFT-S	64QAM	20.11	20.62
	100	DFT-S	BPSK	25.03	25.05
	100	DFT-S	QPSK	24.81	24.89
	100	DFT-S	16QAM	22.04	22.80
	100	DFT-S	64QAM	20.48	20.44
	200	DFT-S	BPSK	18.52	20.50
	200	DFT-S	QPSK	18.64	20.50
	200	DFT-S	16QAM	18.50	19.91
	200	DFT-S	64QAM	18.42	17.71

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

NR Band n260 Module 1 AG1 (Beam ID: 152) Maximum Average EIRP [dBm]					
	BW [MHz]	Waveform	Modulation	Inner 1RB	Inner Full
Middle	50	DFT-S	BPSK	27.78	27.73
	50	DFT-S	QPSK	27.76	27.77
	50	DFT-S	16QAM	24.79	24.88
	50	DFT-S	64QAM	23.36	23.09
	100	DFT-S	BPSK	27.61	27.70
	100	DFT-S	QPSK	27.77	27.70
	100	DFT-S	16QAM	25.25	25.67
	100	DFT-S	64QAM	23.87	23.69
	200	DFT-S	BPSK	20.39	22.95
	200	DFT-S	QPSK	20.54	22.90
	200	DFT-S	16QAM	20.01	22.16
	200	DFT-S	64QAM	19.57	20.25

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

NR Band n260 Module 1 AG1 (Beam ID:152) Maximum Average EIRP [dBm]					
	BW [MHz]	Waveform	Modulation	Inner 1RB	Inner Full
Highest	50	DFT-S	BPSK	27.13	27.51
	50	DFT-S	QPSK	27.31	27.48
	50	DFT-S	16QAM	24.63	25.27
	50	DFT-S	64QAM	22.86	23.01
	100	DFT-S	BPSK	27.16	27.05
	100	DFT-S	QPSK	27.36	27.06
	100	DFT-S	16QAM	24.98	25.08
	100	DFT-S	64QAM	22.64	22.85
	200	DFT-S	BPSK	20.19	22.44
	200	DFT-S	QPSK	20.15	22.41
	200	DFT-S	16QAM	20.27	21.78
	200	DFT-S	64QAM	20.22	19.59

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

NR Band n260 Module 1 AG0+1 (Beam ID:24+152) Maximum Average EIRP [dBm]					
	BW [MHz]	Waveform	Modulation	Inner 1RB	Inner Full
Lowest	50	DFT-S	BPSK	29.16	28.10
	50	DFT-S	QPSK	28.86	27.89
	50	DFT-S	16QAM	26.97	25.68
	50	DFT-S	64QAM	24.58	23.88
	100	DFT-S	BPSK	29.22	28.18
	100	DFT-S	QPSK	28.95	28.10
	100	DFT-S	16QAM	26.51	25.96
	100	DFT-S	64QAM	24.85	24.08
	200	DFT-S	BPSK	18.95	24.03
	200	DFT-S	QPSK	18.77	24.07
	200	DFT-S	16QAM	19.25	23.71
	200	DFT-S	64QAM	19.32	21.84

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

NR Band n260 Module 1 AG0+1 (Beam ID:24+152) Maximum Average EIRP [dBm]					
	BW [MHz]	Waveform	Modulation	Inner 1RB	Inner Full
Middle	50	DFT-S	BPSK	29.03	29.36
	50	DFT-S	QPSK	29.30	29.30
	50	DFT-S	16QAM	26.67	27.12
	50	DFT-S	64QAM	24.76	25.44
	50	CP	QPSK	26.45	25.50
	50	CP	16QAM	24.40	23.64
	50	CP	64QAM	22.39	22.37
	100	DFT-S	BPSK	28.43	28.67
	100	DFT-S	QPSK	28.70	28.76
	100	DFT-S	16QAM	25.88	26.61
	100	DFT-S	64QAM	24.10	24.59
	200	DFT-S	BPSK	20.90	23.81
	200	DFT-S	QPSK	20.26	23.76
	200	DFT-S	16QAM	20.59	23.26
	200	DFT-S	64QAM	20.22	21.04

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

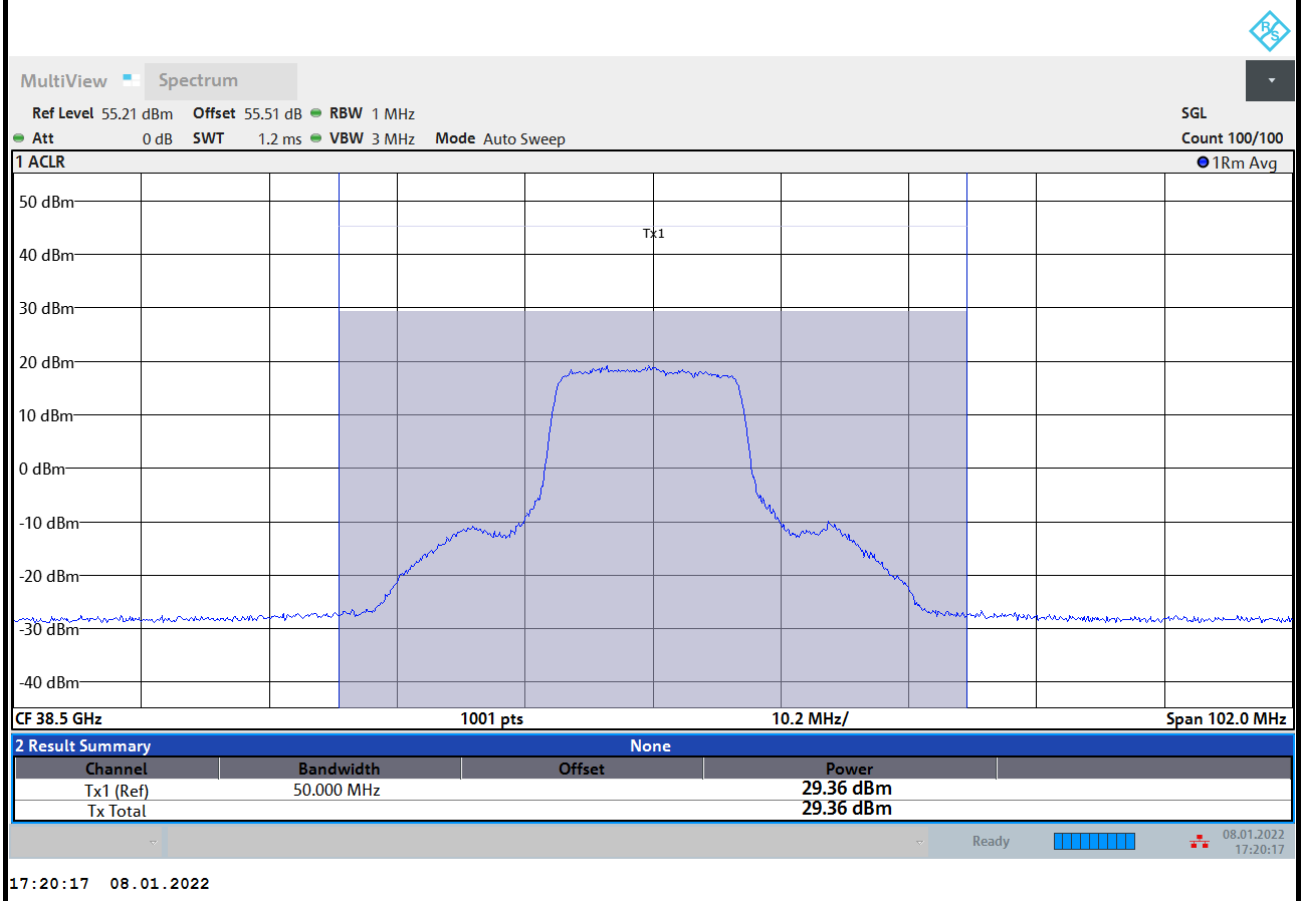
NR Band n260 Module 1 AG0+1 (Beam ID:24+152) Maximum Average EIRP [dBm]					
	BW [MHz]	Waveform	Modulation	Inner 1RB	Inner Full
Highest	50	DFT-S	BPSK	28.09	27.89
	50	DFT-S	QPSK	28.06	27.91
	50	DFT-S	16QAM	25.55	25.88
	50	DFT-S	64QAM	23.26	23.82
	100	DFT-S	BPSK	28.71	28.11
	100	DFT-S	QPSK	28.63	28.05
	100	DFT-S	16QAM	26.24	26.13
	100	DFT-S	64QAM	23.90	23.92
	200	DFT-S	BPSK	20.43	23.45
	200	DFT-S	QPSK	20.19	23.38
	200	DFT-S	16QAM	20.61	22.96
	200	DFT-S	64QAM	20.30	20.86

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

NR Band n260 Module 1

EIRP Worst Case Plot

Middle Channel / 50MHz / BPSK / 10RB11 (Module 0)



Offset = Antenna Factor (dB/m) + Cable Loss (dB) + 107 + 20log (D) – 104.8

= 43.8 + 9.51 + 107 + 20log(1) – 104.8 = 55.51 (dB)

NR Band n261 Module 0

NR Band n261 Module 0 AG0 (Beam ID:23) Maximum Average EIRP [dBm]					
	BW [MHz]	Waveform	Modulation	Inner 1RB	Inner Full
Lowest	50	DFT-S	BPSK	28.05	27.74
	50	DFT-S	QPSK	27.90	27.80
	50	DFT-S	16QAM	25.75	26.55
	50	DFT-S	64QAM	23.90	23.99
	100	DFT-S	BPSK	27.76	27.66
	100	DFT-S	QPSK	27.46	27.78
	100	DFT-S	16QAM	25.43	25.59
	100	DFT-S	64QAM	23.48	23.63
	200	DFT-S	BPSK	21.07	24.20
	200	DFT-S	QPSK	21.18	24.26
	200	DFT-S	16QAM	20.71	23.59
	200	DFT-S	64QAM	20.94	21.54

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

NR Band n261 Module 0 AG0 (Beam ID:23) Maximum Average EIRP [dBm]					
	BW [MHz]	Waveform	Modulation	Inner 1RB	Inner Full
Middle	50	DFT-S	BPSK	26.94	26.89
	50	DFT-S	QPSK	27.27	26.84
	50	DFT-S	16QAM	24.75	24.80
	50	DFT-S	64QAM	23.56	22.41
	100	DFT-S	BPSK	27.57	27.34
	100	DFT-S	QPSK	27.97	27.36
	100	DFT-S	16QAM	25.38	25.21
	100	DFT-S	64QAM	24.22	22.88
	200	DFT-S	BPSK	20.36	23.64
	200	DFT-S	QPSK	20.57	23.71
	200	DFT-S	16QAM	20.16	23.07
	200	DFT-S	64QAM	21.29	21.13

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

NR Band n261 Module 0 AG0 (Beam ID: 23) Maximum Average EIRP [dBm]					
	BW [MHz]	Waveform	Modulation	Inner 1RB	Inner Full
Highest	50	DFT-S	BPSK	26.90	27.10
	50	DFT-S	QPSK	27.28	27.17
	50	DFT-S	16QAM	25.42	25.09
	50	DFT-S	64QAM	23.11	22.72
	100	DFT-S	BPSK	27.39	27.34
	100	DFT-S	QPSK	27.59	27.39
	100	DFT-S	16QAM	25.58	25.23
	100	DFT-S	64QAM	23.71	23.21
	200	DFT-S	BPSK	20.18	23.36
	200	DFT-S	QPSK	20.63	23.43
	200	DFT-S	16QAM	20.68	22.73
	200	DFT-S	64QAM	20.56	20.71

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

NR Band n261 Module 0 AG1 (Beam ID:151) Maximum Average EIRP [dBm]					
	BW [MHz]	Waveform	Modulation	Inner 1RB	Inner Full
Lowest	50	DFT-S	BPSK	29.24	28.55
	50	DFT-S	QPSK	29.05	28.44
	50	DFT-S	16QAM	26.92	26.36
	50	DFT-S	64QAM	25.07	24.68
	100	DFT-S	BPSK	29.06	28.70
	100	DFT-S	QPSK	28.96	28.74
	100	DFT-S	16QAM	26.91	26.67
	100	DFT-S	64QAM	25.02	24.60
	200	DFT-S	BPSK	21.50	24.60
	200	DFT-S	QPSK	21.30	24.70
	200	DFT-S	16QAM	21.39	24.03
	200	DFT-S	64QAM	21.66	21.92

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

NR Band n261 Module 0 AG1 (Beam ID:151) Maximum Average EIRP [dBm]					
	BW [MHz]	Waveform	Modulation	Inner 1RB	Inner Full
Middle	50	DFT-S	BPSK	27.46	27.52
	50	DFT-S	QPSK	27.72	27.64
	50	DFT-S	16QAM	25.82	25.59
	50	DFT-S	64QAM	23.68	23.31
	100	DFT-S	BPSK	28.20	28.35
	100	DFT-S	QPSK	28.52	28.52
	100	DFT-S	16QAM	26.42	26.25
	100	DFT-S	64QAM	24.38	24.22
	200	DFT-S	BPSK	21.69	23.92
	200	DFT-S	QPSK	21.30	23.95
	200	DFT-S	16QAM	21.75	23.34
	200	DFT-S	64QAM	21.14	21.44

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

NR Band n261 Module 0 AG1 (Beam ID:151) Maximum Average EIRP [dBm]					
	BW [MHz]	Waveform	Modulation	Inner 1RB	Inner Full
Highest	50	DFT-S	BPSK	28.18	28.12
	50	DFT-S	QPSK	27.75	28.10
	50	DFT-S	16QAM	26.09	26.16
	50	DFT-S	64QAM	24.15	23.68
	100	DFT-S	BPSK	28.62	28.48
	100	DFT-S	QPSK	28.29	28.44
	100	DFT-S	16QAM	26.49	26.42
	100	DFT-S	64QAM	24.78	24.43
	200	DFT-S	BPSK	21.62	24.80
	200	DFT-S	QPSK	22.09	24.80
	200	DFT-S	16QAM	21.60	24.14
	200	DFT-S	64QAM	21.69	22.03

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

Note: For Beam ID 23+151 & 31 +159, the whole testing has assessed only Beam ID 23+151 by referring to their higher test level.

NR Band n261 Module 0 AG0+1 (Beam ID:23+151) Maximum Average EIRP [dBm]					
	BW [MHz]	Waveform	Modulation	Inner 1RB	Inner Full
Lowest	50	DFT-S	BPSK	29.33	28.98
	50	DFT-S	QPSK	29.28	28.99
	50	DFT-S	16QAM	27.13	26.84
	50	DFT-S	64QAM	25.18	24.59
	100	DFT-S	BPSK	28.97	28.04
	100	DFT-S	QPSK	28.91	28.01
	100	DFT-S	16QAM	26.69	25.82
	100	DFT-S	64QAM	24.98	23.61
	200	DFT-S	BPSK	21.55	24.23
	200	DFT-S	QPSK	21.55	24.28
	200	DFT-S	16QAM	21.65	23.54
	200	DFT-S	64QAM	21.14	21.38

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

NR Band n261 Module 0 AG0+1 (Beam ID:23+151) Maximum Average EIRP [dBm]					
	BW [MHz]	Waveform	Modulation	Inner 1RB	Inner Full
Middle	50	DFT-S	BPSK	29.16	28.51
	50	DFT-S	QPSK	29.27	28.53
	50	DFT-S	16QAM	27.20	26.47
	50	DFT-S	64QAM	24.71	23.85
	100	DFT-S	BPSK	29.13	29.03
	100	DFT-S	QPSK	29.47	28.94
	100	DFT-S	16QAM	27.03	26.92
	100	DFT-S	64QAM	24.62	24.83
	100	CP	QPSK	25.90	26.18
	100	CP	16QAM	24.57	24.80
	100	CP	64QAM	23.09	22.59
	200	DFT-S	BPSK	20.84	24.15
	200	DFT-S	QPSK	21.32	24.17
	200	DFT-S	16QAM	20.72	23.54
	200	DFT-S	64QAM	20.74	21.50

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

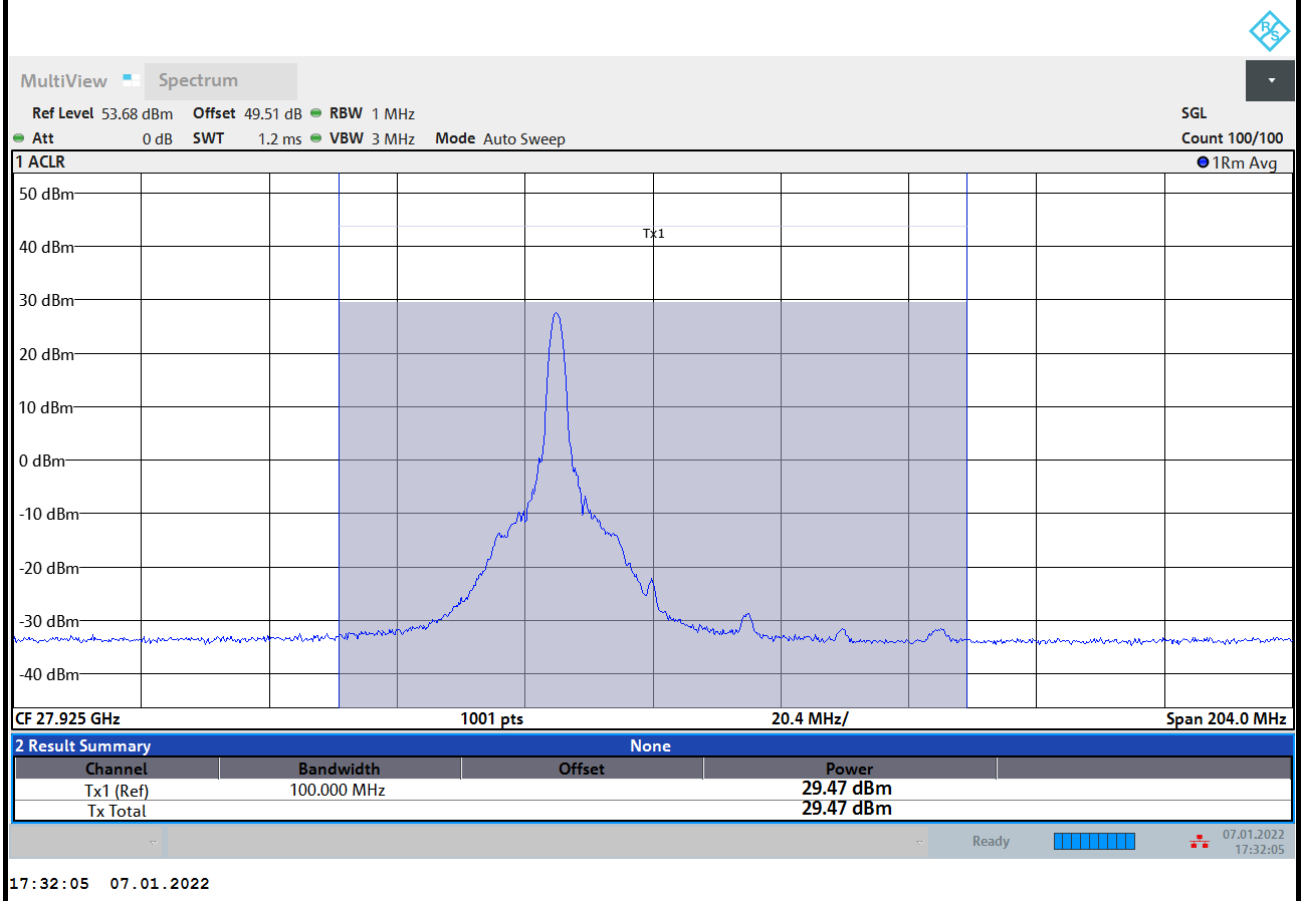
NR Band n261 Module 0 AG0+1 (Beam ID:23+151) Maximum Average EIRP [dBm]					
	BW [MHz]	Waveform	Modulation	Inner 1RB	Inner Full
Highest	50	DFT-S	BPSK	29.23	29.07
	50	DFT-S	QPSK	28.98	28.73
	50	DFT-S	16QAM	27.40	26.85
	50	DFT-S	64QAM	26.26	24.55
	100	DFT-S	BPSK	29.35	29.19
	100	DFT-S	QPSK	29.22	29.22
	100	DFT-S	16QAM	27.54	27.28
	100	DFT-S	64QAM	26.50	25.16
	200	DFT-S	BPSK	22.20	24.44
	200	DFT-S	QPSK	22.66	24.35
	200	DFT-S	16QAM	22.57	23.71
	200	DFT-S	64QAM	21.99	21.67

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

NR Band n261 Module 0

EIRP Worst Case Plot

Middle Channel / 100MHz / QPSK / 1RB22 (Module 0)



Offset = Antenna Factor (dB/m) + Cable Loss (dB) + 107 + 20log (D) – 104.8

= 39.6 + 7.71 + 107 + 20log(1) – 104.8 = 49.51 (dB)

NR Band n261 Module 1

NR Band n261 Module 1 AG0 (Beam ID:18) Maximum Average EIRP [dBm]					
	BW [MHz]	Waveform	Modulation	Inner 1RB	Inner Full
Lowest	50	DFT-S	BPSK	28.80	28.89
	50	DFT-S	QPSK	28.93	28.67
	50	DFT-S	16QAM	26.49	26.52
	50	DFT-S	64QAM	24.10	24.57
	100	DFT-S	BPSK	28.52	28.31
	100	DFT-S	QPSK	28.53	28.34
	100	DFT-S	16QAM	26.11	26.23
	100	DFT-S	64QAM	24.02	24.08
	200	DFT-S	BPSK	22.40	25.53
	200	DFT-S	QPSK	21.90	25.62
	200	DFT-S	16QAM	22.22	25.07
	200	DFT-S	64QAM	22.76	22.87

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

NR Band n261 Module 1 AG0 (Beam ID:18) Maximum Average EIRP [dBm]					
	BW [MHz]	Waveform	Modulation	Inner 1RB	Inner Full
Middle	50	DFT-S	BPSK	28.20	28.20
	50	DFT-S	QPSK	28.37	28.10
	50	DFT-S	16QAM	26.12	25.97
	50	DFT-S	64QAM	24.92	23.88
	100	DFT-S	BPSK	28.72	28.69
	100	DFT-S	QPSK	29.14	28.75
	100	DFT-S	16QAM	26.83	26.73
	100	DFT-S	64QAM	25.51	24.48
	200	DFT-S	BPSK	21.83	24.87
	200	DFT-S	QPSK	21.67	24.81
	200	DFT-S	16QAM	22.42	24.43
	200	DFT-S	64QAM	22.41	22.17

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

NR Band n261 Module 1 AG0 (Beam ID: 18) Maximum Average EIRP [dBm]					
	BW [MHz]	Waveform	Modulation	Inner 1RB	Inner Full
Highest	50	DFT-S	BPSK	28.84	28.77
	50	DFT-S	QPSK	28.95	28.75
	50	DFT-S	16QAM	26.59	26.49
	50	DFT-S	64QAM	25.39	24.33
	100	DFT-S	BPSK	29.28	29.29
	100	DFT-S	QPSK	29.32	29.22
	100	DFT-S	16QAM	27.36	27.36
	100	DFT-S	64QAM	26.05	25.23
	200	DFT-S	BPSK	22.00	25.18
	200	DFT-S	QPSK	22.12	25.19
	200	DFT-S	16QAM	22.02	24.61
	200	DFT-S	64QAM	22.21	22.50

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

NR Band n261 Module 1 AG1 (Beam ID:146) Maximum Average EIRP [dBm]					
	BW [MHz]	Waveform	Modulation	Inner 1RB	Inner Full
Lowest	50	DFT-S	BPSK	25.41	25.37
	50	DFT-S	QPSK	25.34	25.45
	50	DFT-S	16QAM	22.97	23.11
	50	DFT-S	64QAM	21.07	20.66
	100	DFT-S	BPSK	25.01	24.89
	100	DFT-S	QPSK	24.94	24.86
	100	DFT-S	16QAM	22.52	22.82
	100	DFT-S	64QAM	20.72	20.55
	200	DFT-S	BPSK	17.14	20.70
	200	DFT-S	QPSK	17.21	20.69
	200	DFT-S	16QAM	16.95	20.62
	200	DFT-S	64QAM	16.89	17.82

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

NR Band n261 Module 1 AG1 (Beam ID:146) Maximum Average EIRP [dBm]					
	BW [MHz]	Waveform	Modulation	Inner 1RB	Inner Full
Middle	50	DFT-S	BPSK	24.15	23.95
	50	DFT-S	QPSK	23.58	23.91
	50	DFT-S	16QAM	22.53	21.90
	50	DFT-S	64QAM	19.99	19.39
	100	DFT-S	BPSK	24.67	24.68
	100	DFT-S	QPSK	24.35	24.82
	100	DFT-S	16QAM	23.12	22.60
	100	DFT-S	64QAM	20.60	20.35
	200	DFT-S	BPSK	17.73	20.51
	200	DFT-S	QPSK	16.93	20.61
	200	DFT-S	16QAM	17.65	20.08
	200	DFT-S	64QAM	17.85	17.92

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

NR Band n261 Module 1 AG1 (Beam ID:146) Maximum Average EIRP [dBm]					
	BW [MHz]	Waveform	Modulation	Inner 1RB	Inner Full
Highest	50	DFT-S	BPSK	23.38	23.26
	50	DFT-S	QPSK	23.53	23.24
	50	DFT-S	16QAM	21.36	20.84
	50	DFT-S	64QAM	20.16	18.80
	100	DFT-S	BPSK	23.67	23.94
	100	DFT-S	QPSK	24.03	23.73
	100	DFT-S	16QAM	21.72	21.85
	100	DFT-S	64QAM	20.52	19.67
	200	DFT-S	BPSK	17.44	20.64
	200	DFT-S	QPSK	17.90	20.71
	200	DFT-S	16QAM	18.53	20.10
	200	DFT-S	64QAM	18.13	18.00

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

NR Band n261 Module 0 AG0+1 (Beam ID:18+146) Maximum Average EIRP [dBm]					
	BW [MHz]	Waveform	Modulation	Inner 1RB	Inner Full
Lowest	50	DFT-S	BPSK	29.43	29.88
	50	DFT-S	QPSK	29.50	29.91
	50	DFT-S	16QAM	26.52	27.52
	50	DFT-S	64QAM	24.82	25.32
	100	DFT-S	BPSK	28.87	29.63
	100	DFT-S	QPSK	29.36	29.97
	100	DFT-S	16QAM	26.18	27.64
	100	DFT-S	64QAM	24.69	25.49
	100	CP	QPSK	26.03	26.37
	100	CP	16QAM	23.93	24.91
	100	CP	64QAM	22.35	22.86
	200	DFT-S	BPSK	22.43	25.63
	200	DFT-S	QPSK	22.16	25.67
	200	DFT-S	16QAM	21.12	24.57
	200	DFT-S	64QAM	21.64	22.37

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

NR Band n261 Module 0 AG0+1 (Beam ID:18+146) Maximum Average EIRP [dBm]					
	BW [MHz]	Waveform	Modulation	Inner 1RB	Inner Full
Middle	50	DFT-S	BPSK	29.26	29.21
	50	DFT-S	QPSK	29.28	29.13
	50	DFT-S	16QAM	26.95	26.89
	50	DFT-S	64QAM	24.58	24.76
	100	DFT-S	BPSK	29.65	29.57
	100	DFT-S	QPSK	29.66	29.60
	100	DFT-S	16QAM	27.37	27.46
	100	DFT-S	64QAM	24.96	25.37
	200	DFT-S	BPSK	22.19	25.28
	200	DFT-S	QPSK	22.07	25.25
	200	DFT-S	16QAM	22.36	24.39
	200	DFT-S	64QAM	22.79	22.51

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

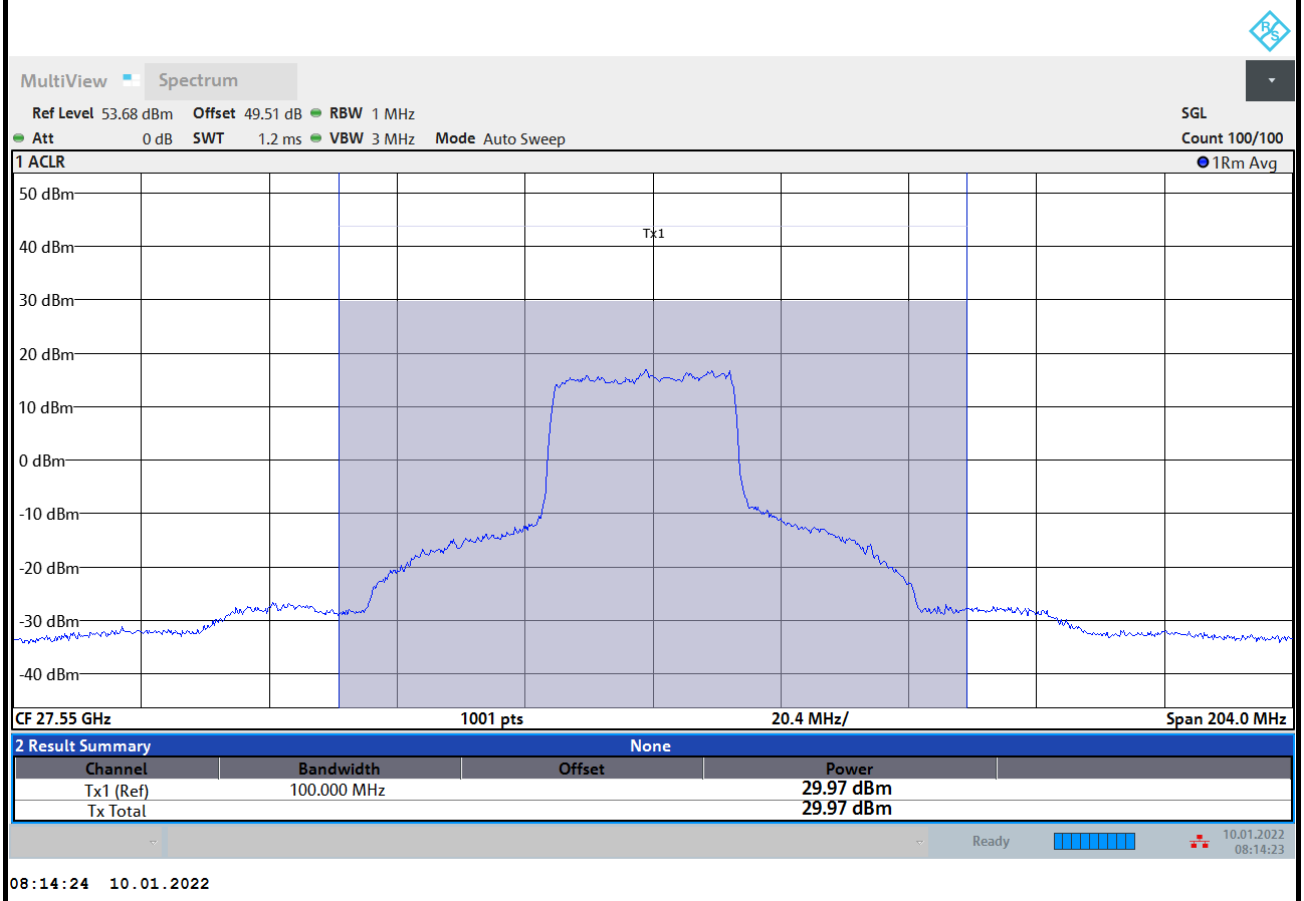
NR Band n261 Module 0 AG0+1 (Beam ID: 18+146) Maximum Average EIRP [dBm]					
	BW [MHz]	Waveform	Modulation	Inner 1RB	Inner Full
Highest	50	DFT-S	BPSK	28.67	29.32
	50	DFT-S	QPSK	28.37	29.26
	50	DFT-S	16QAM	26.06	27.17
	50	DFT-S	64QAM	24.38	24.97
	100	DFT-S	BPSK	29.26	29.06
	100	DFT-S	QPSK	29.30	29.03
	100	DFT-S	16QAM	27.07	27.03
	100	DFT-S	64QAM	25.23	24.96
	200	DFT-S	BPSK	22.65	24.52
	200	DFT-S	QPSK	22.55	24.56
	200	DFT-S	16QAM	21.92	23.89
	200	DFT-S	64QAM	22.30	21.88

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

NR Band n261 Module 1

EIRP Worst Case Plot

Lowest Channel / 100MHz / QPSK / 20RB22 (Module 1)



Offset = Antenna Factor (dB/m) + Cable Loss (dB) + 107 + 20log (D) – 104.8

= 39.6 + 7.71 + 107 + 20log(1) – 104.8 = 49.51 (dB)

NR Band n260 Module 0

AG0

Occupied Bandwidth

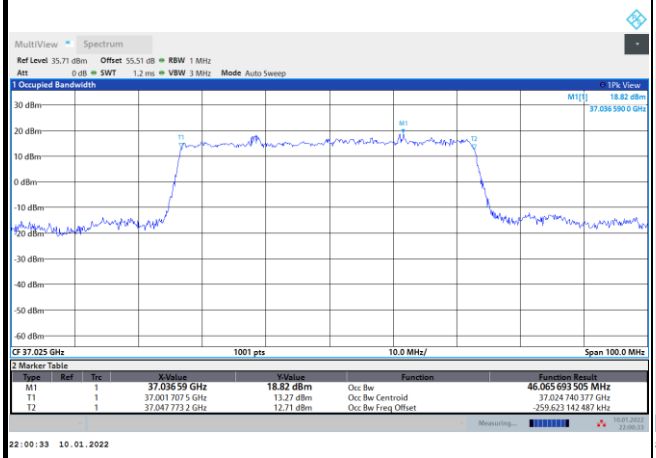
Mode	DFT-s-OFDM Module 0 NR Band n260 : 99%OBW(MHz)											
BW	50MHz				100MHz				200MHz			
Mod.	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM
Lowest CH	46.06	46.12	46.13	46.00	91.17	91.38	91.38	91.05	188.71	188.68	188.82	189.19
Middle CH	45.78	45.87	45.97	45.87	91.16	91.35	91.46	91.25	190.18	189.78	191.84	188.34
Highest CH	45.88	45.99	45.99	45.91	91.30	91.38	91.61	91.41	187.92	187.18	188.39	188.86

Mode	CP-OFDM Module 0 NR Band n260 : 99%OBW(MHz)								
BW	50MHz			100MHz			200MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	46.07	45.99	45.89	94.37	94.08	93.95	191.82	192.03	191.32
Middle CH	45.98	45.91	45.86	94.44	94.19	94.15	191.08	191.39	193.86
Highest CH	46.03	45.94	45.99	94.41	94.18	94.21	191.28	191.38	191.97

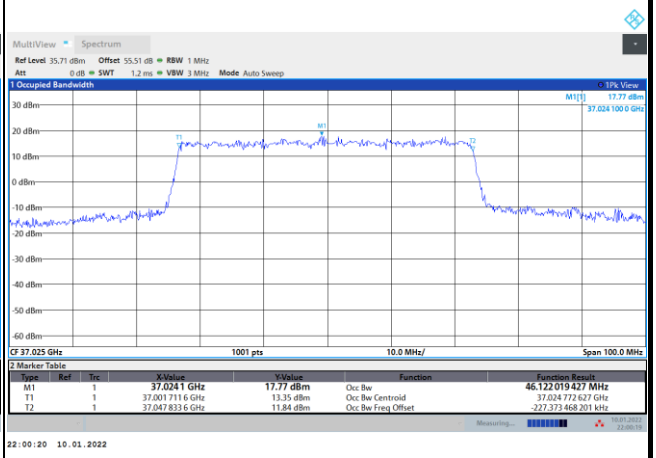
DFT-s-OFDM Module 0

NR Band n260

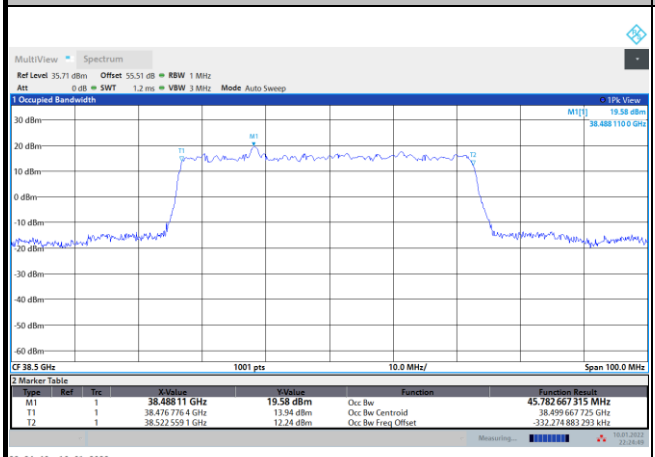
Lowest Channel / 50MHz / BPSK



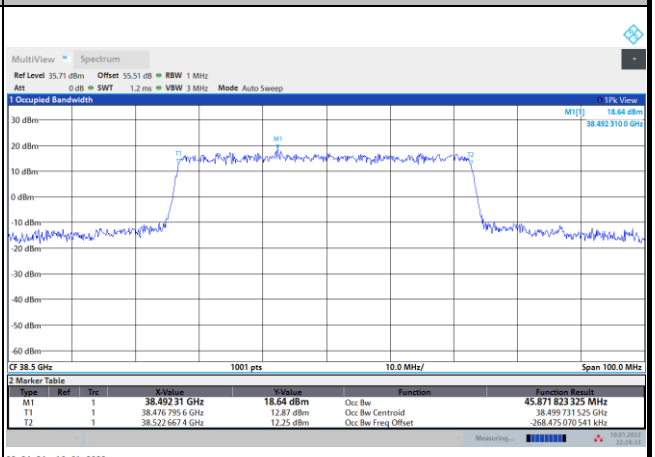
Lowest Channel / 50MHz / QPSK



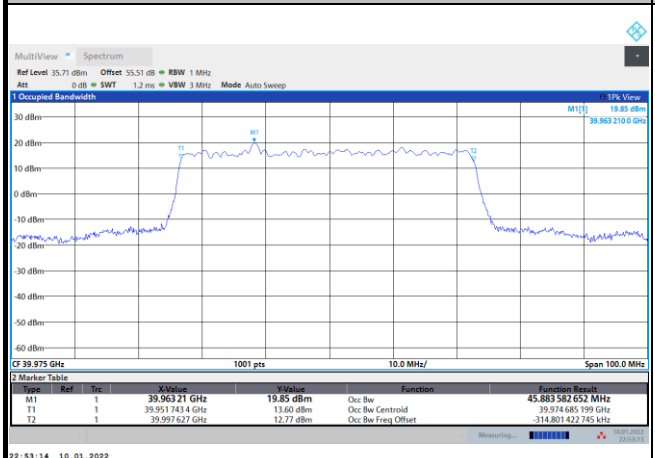
Middle Channel / 50MHz / BPSK



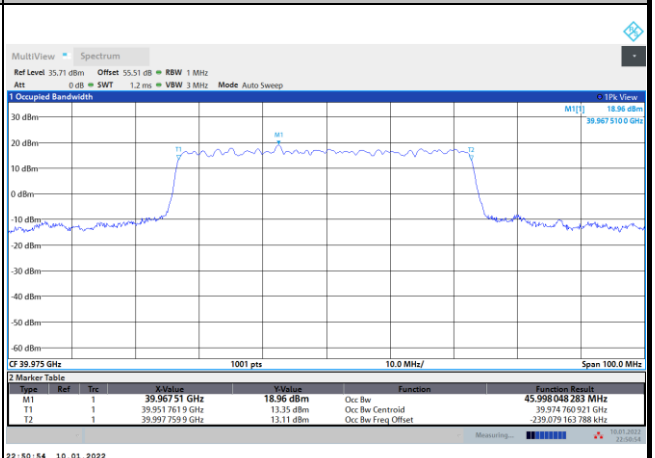
Middle Channel / 50MHz / QPSK



Highest Channel / 50MHz / BPSK



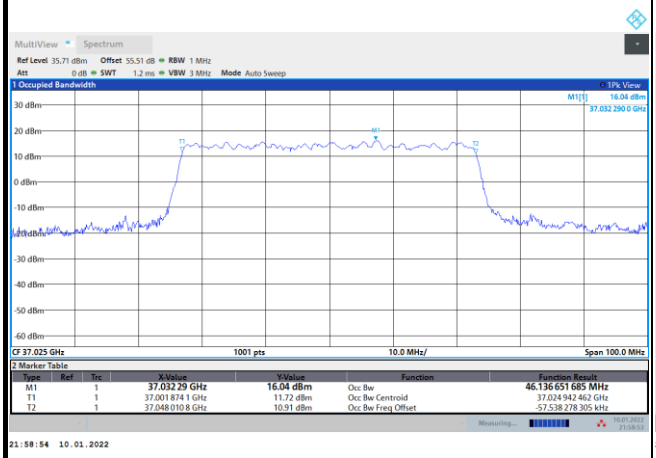
Highest Channel / 50MHz / QPSK



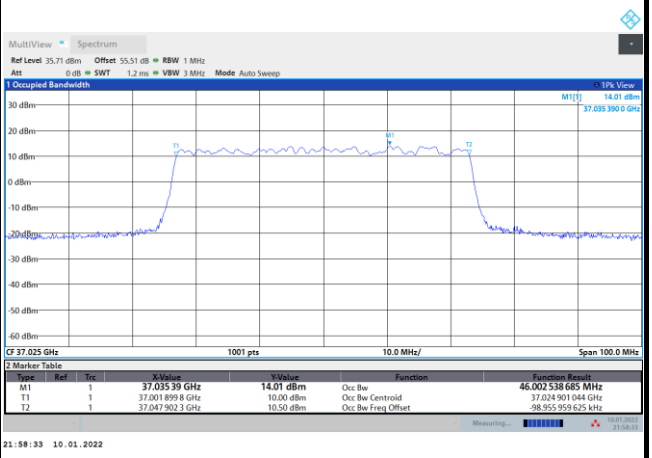
DFT-s-OFDM Module 0

NR Band n260

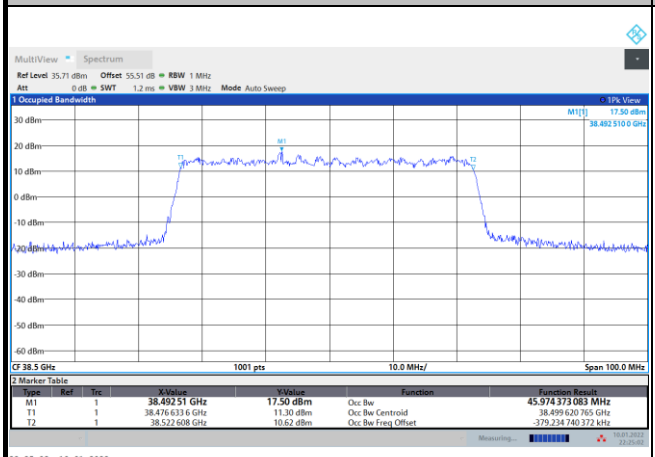
Lowest Channel / 50MHz / 16QAM



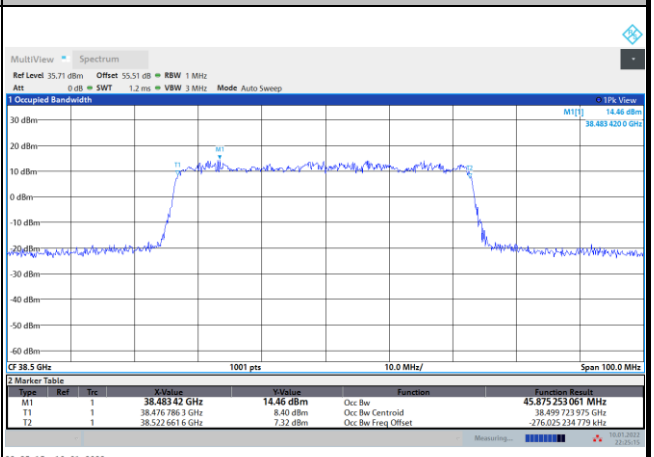
Lowest Channel / 50MHz / 64QAM



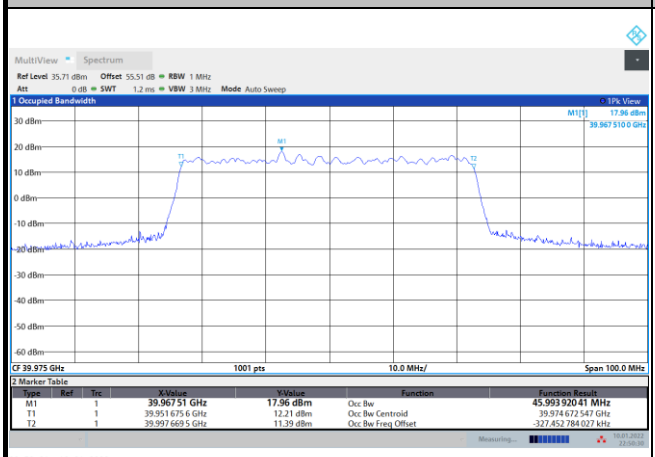
Middle Channel / 50MHz / 16QAM



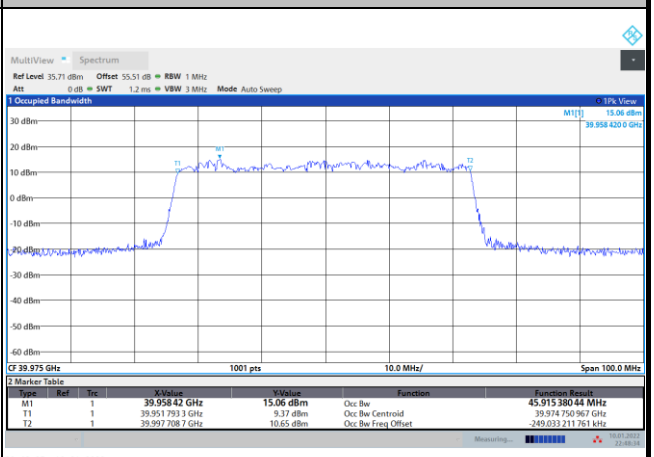
Middle Channel / 50MHz / 64QAM



Highest Channel / 50MHz / 16QAM



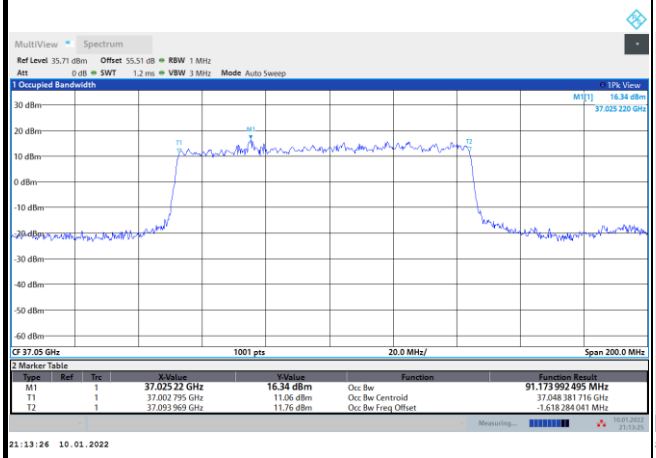
Highest Channel / 50MHz / 64QAM



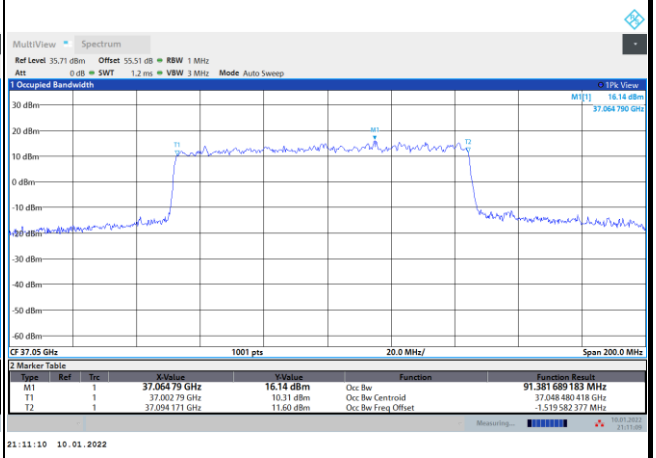
DFT-s-OFDM Module 0

NR Band n260

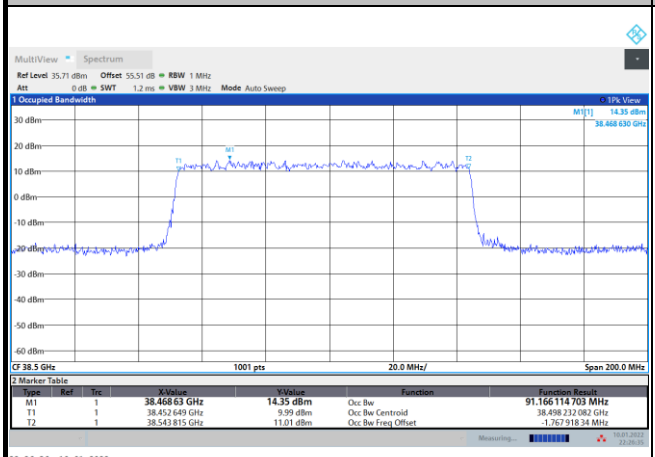
Lowest Channel / 100MHz / BPSK



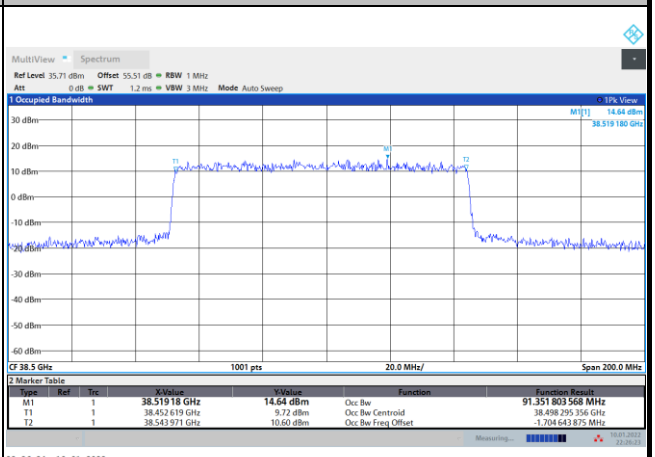
Lowest Channel / 100MHz / QPSK



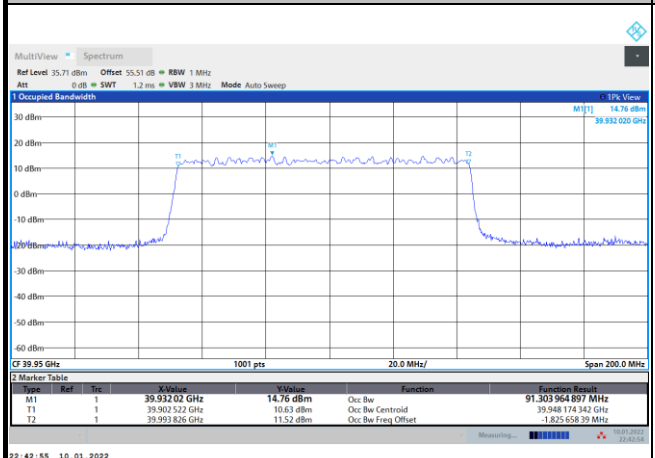
Middle Channel / 100MHz / BPSK



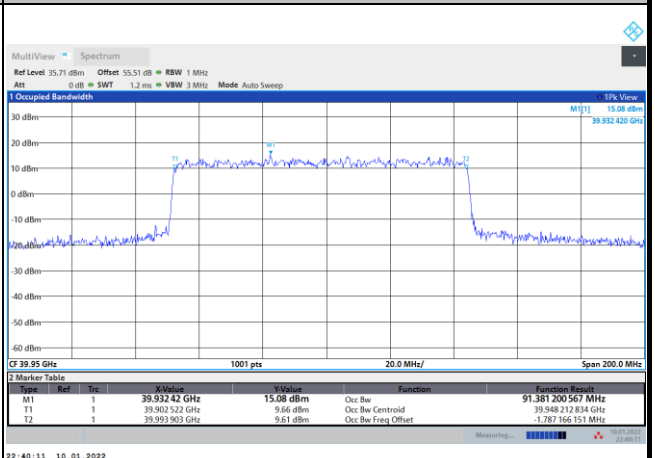
Middle Channel / 100MHz / QPSK



Highest Channel / 100MHz / BPSK



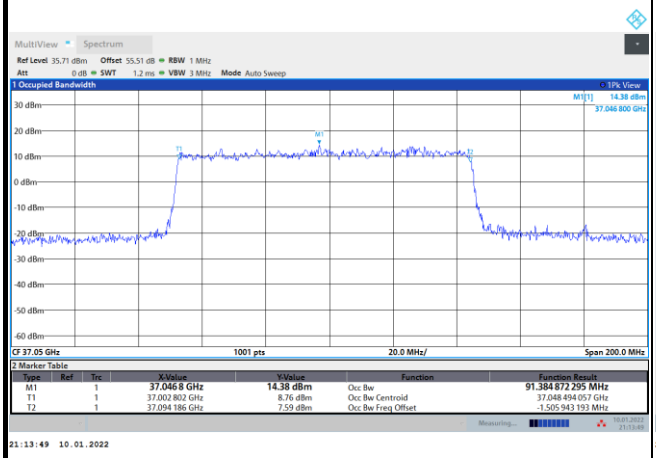
Highest Channel / 100MHz / QPSK



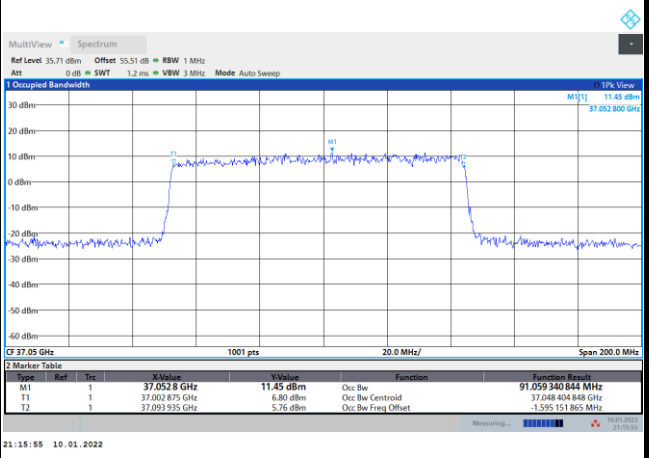
DFT-s-OFDM Module 0

NR Band n260

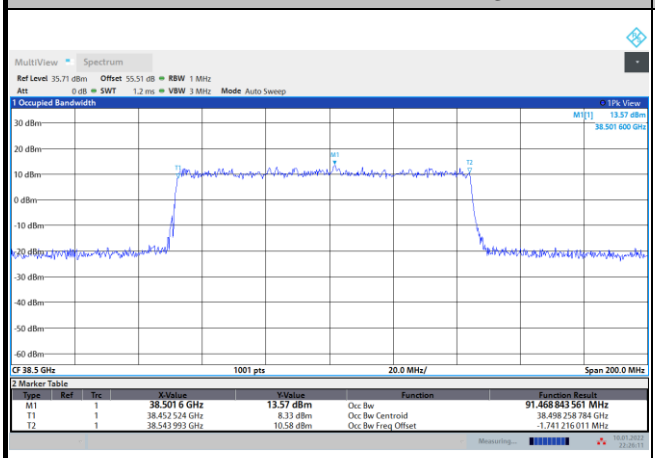
Lowest Channel / 100MHz / 16QAM



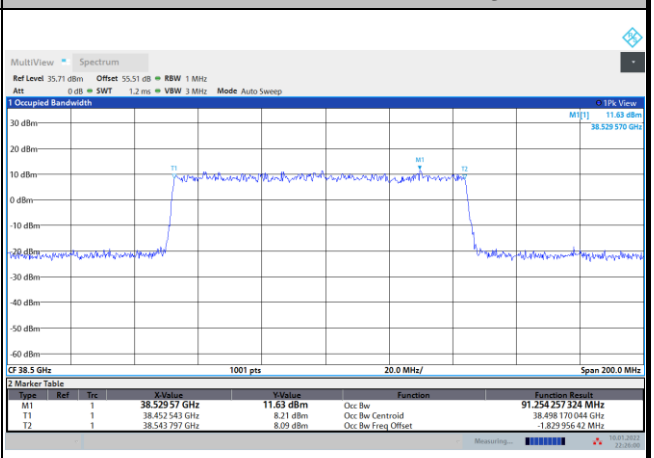
Lowest Channel / 100MHz / 64QAM



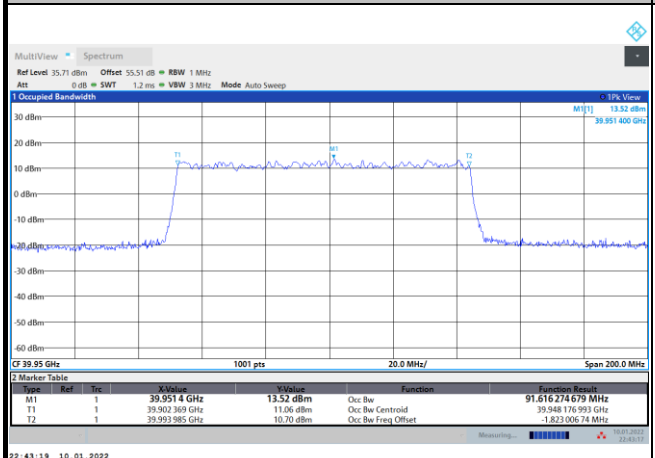
Middle Channel / 100MHz / 16QAM



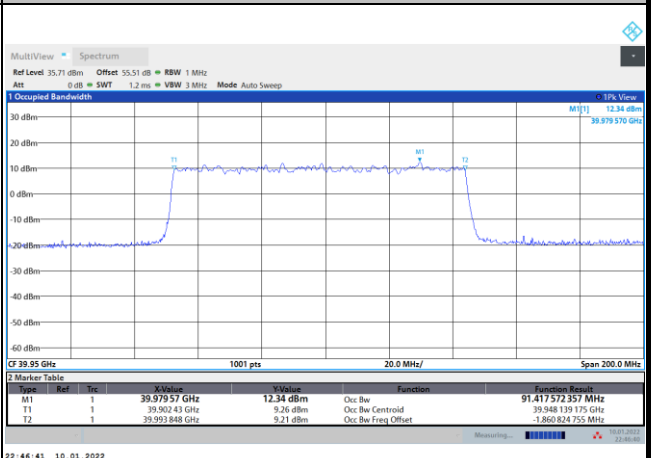
Middle Channel / 100MHz / 64QAM



Highest Channel / 100MHz / 16QAM



Highest Channel / 100MHz / 64QAM

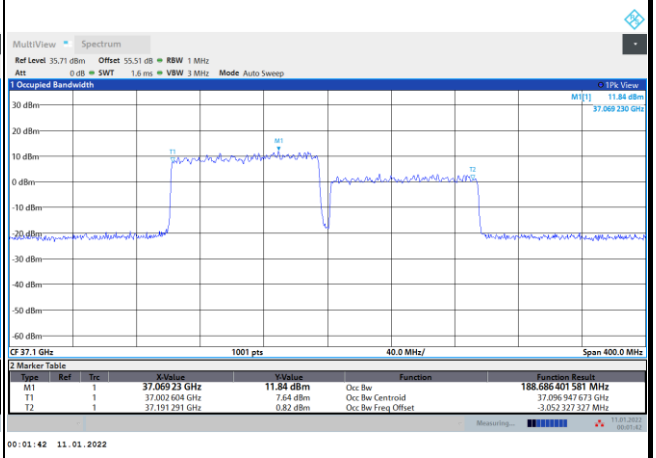


DFT-s-OFDM Module 0

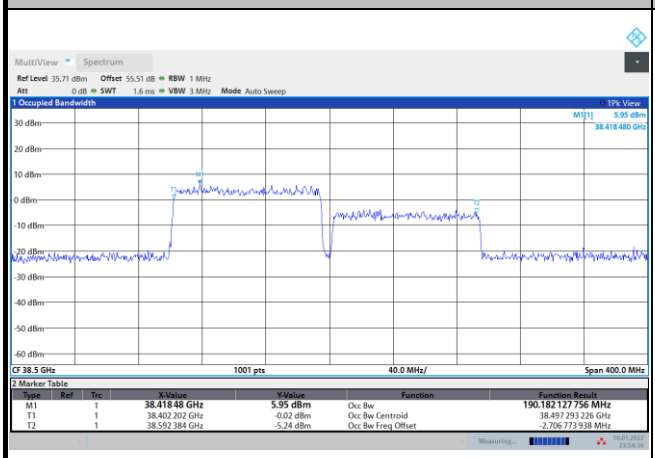
NR Band n260

Lowest Channel / 200MHz / BPSK

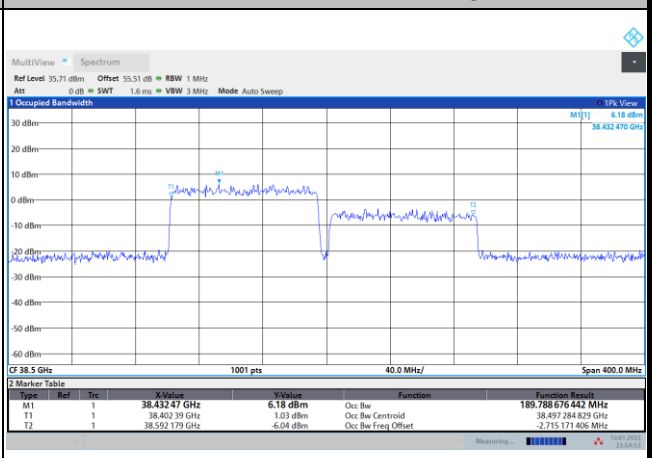
Lowest Channel / 200MHz / QPSK



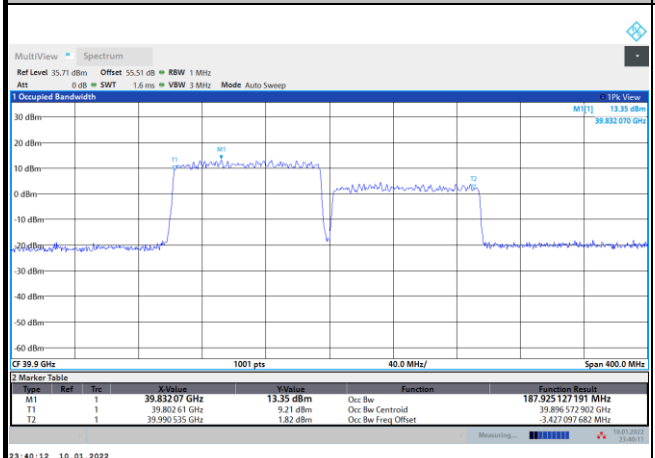
Middle Channel / 200MHz / BPSK



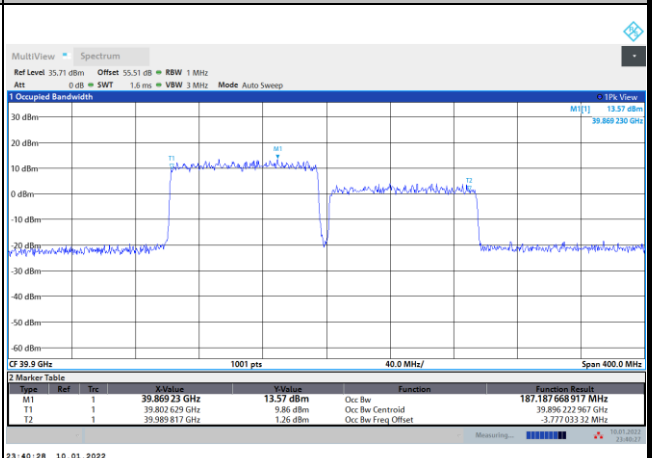
Middle Channel / 200MHz / QPSK



Highest Channel / 200MHz / BPSK



Highest Channel / 200MHz / QPSK

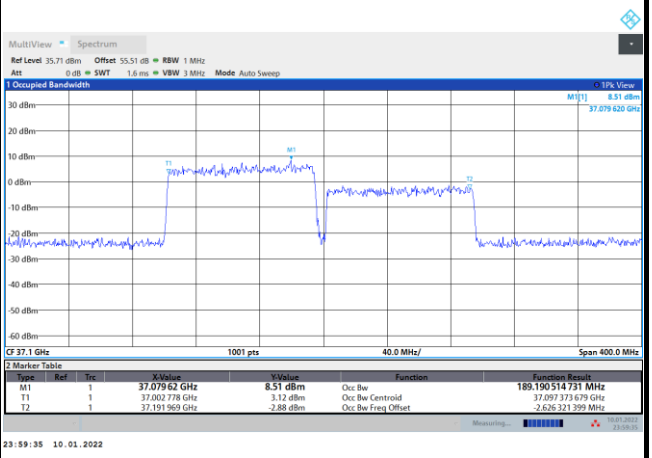


DFT-s-OFDM Module 0

NR Band n260

Lowest Channel / 200MHz / 16QAM

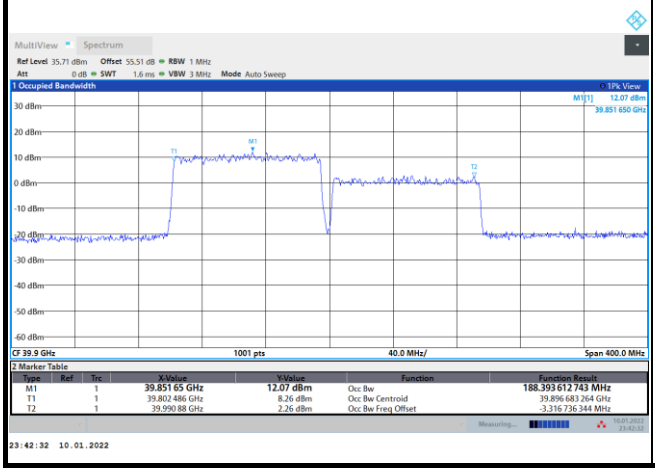
Lowest Channel / 200MHz / 64QAM



Middle Channel / 200MHz / 16QAM

Middle Channel / 200MHz / 64QAM

Highest Channel / 200MHz / 16QAM

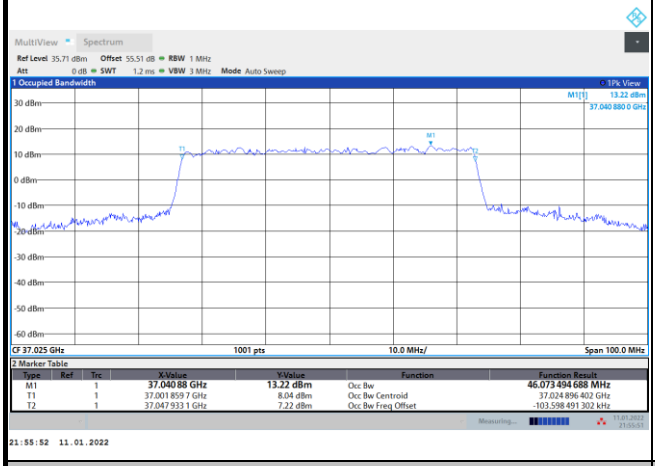


Highest Channel / 200MHz / 64QAM

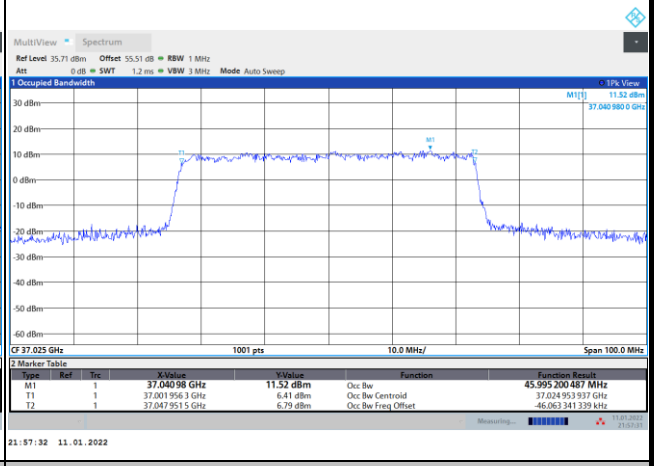
CP-OFDM Module 0

NR Band n260

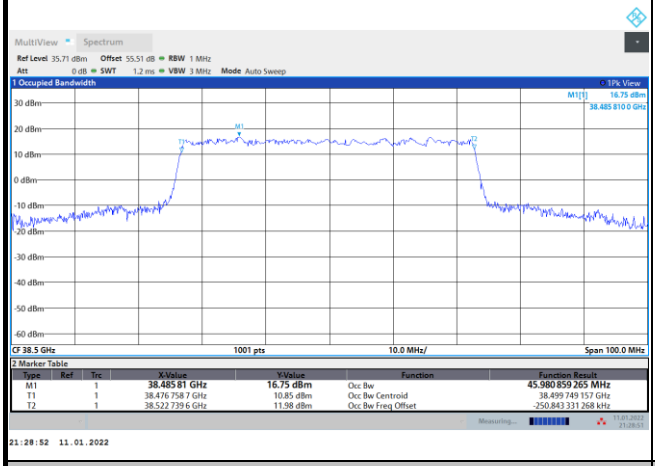
Lowest Channel / 50MHz / QPSK



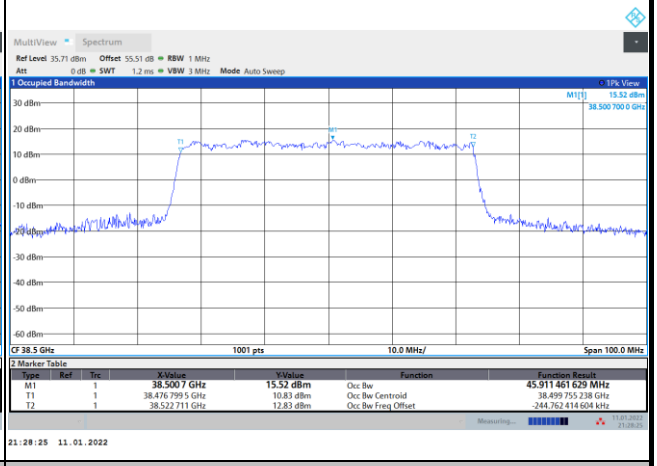
Lowest Channel / 50MHz / 16QAM



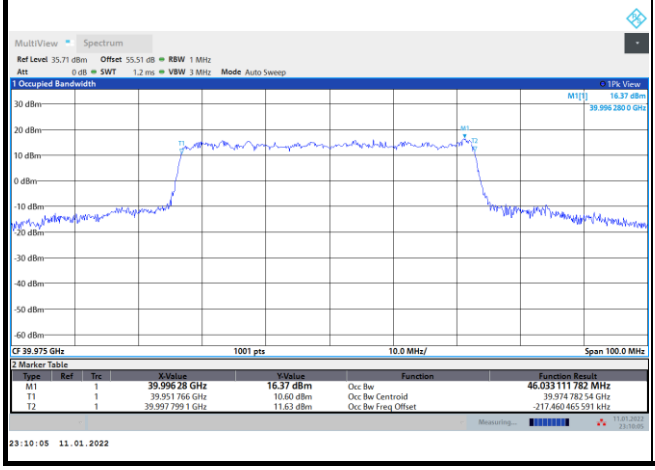
Middle Channel / 50MHz / QPSK



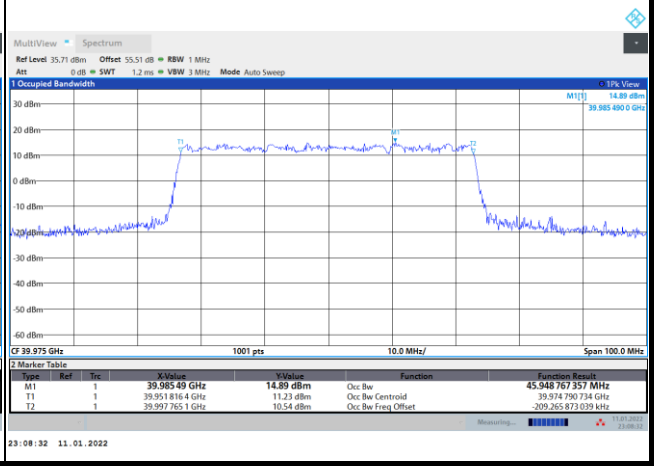
Middle Channel / 50MHz / 16QAM



Highest Channel / 50MHz / QPSK



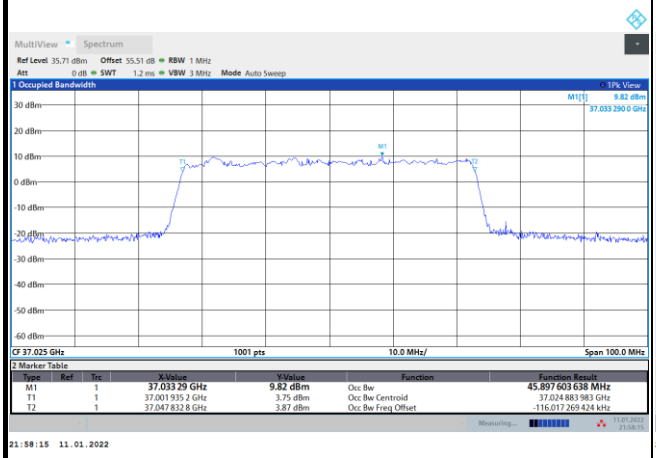
Highest Channel / 50MHz / 16QAM



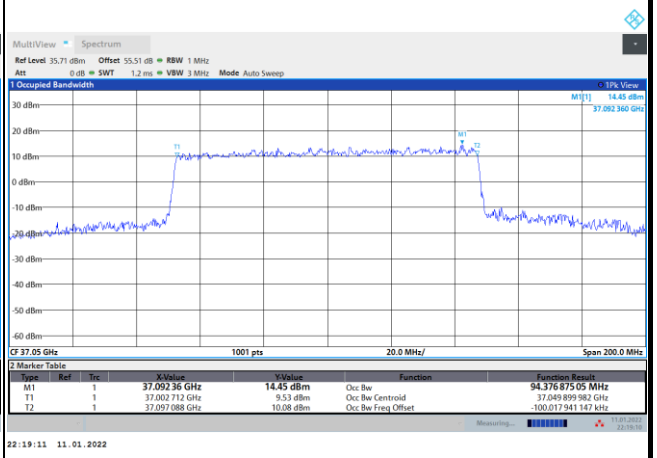
CP-OFDM Module 0

NR Band n260

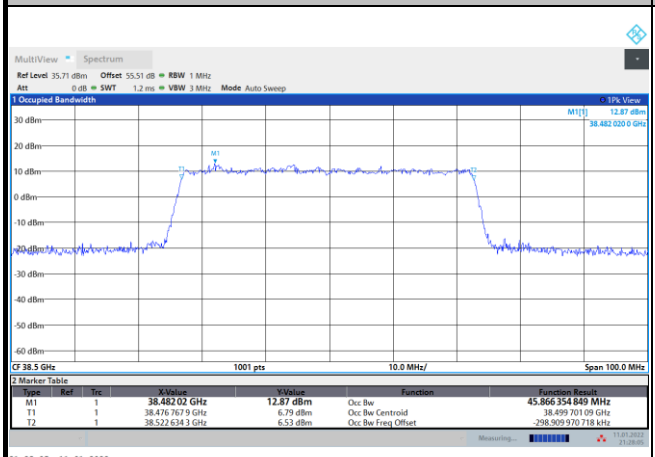
Lowest Channel / 50MHz / 64QAM



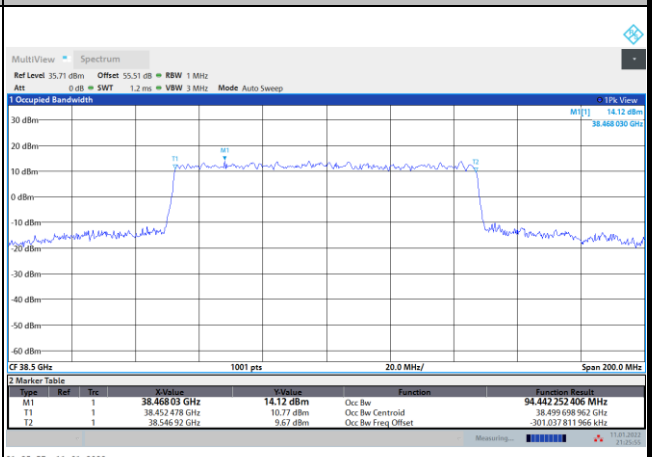
Lowest Channel / 100MHz / QPSK



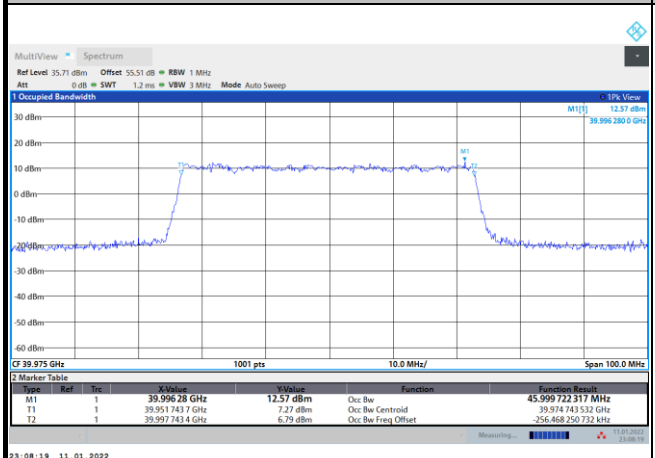
Middle Channel / 50MHz / 64QAM



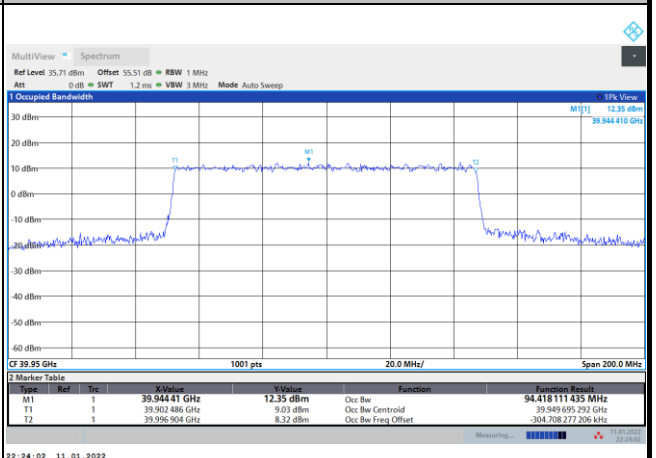
Middle Channel / 100MHz / QPSK



Highest Channel / 50MHz / 64QAM



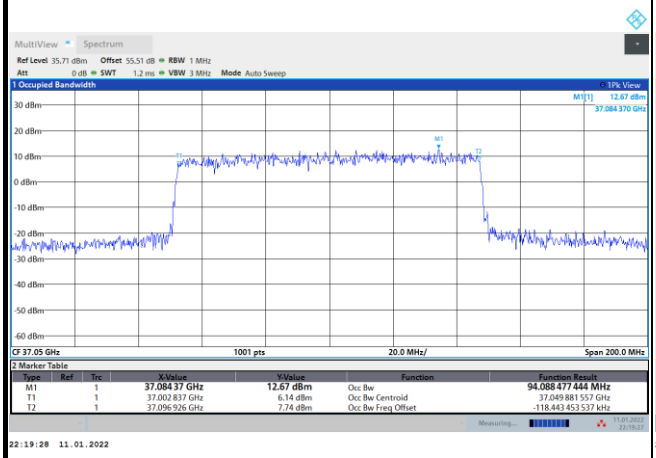
Highest Channel / 100MHz / QPSK



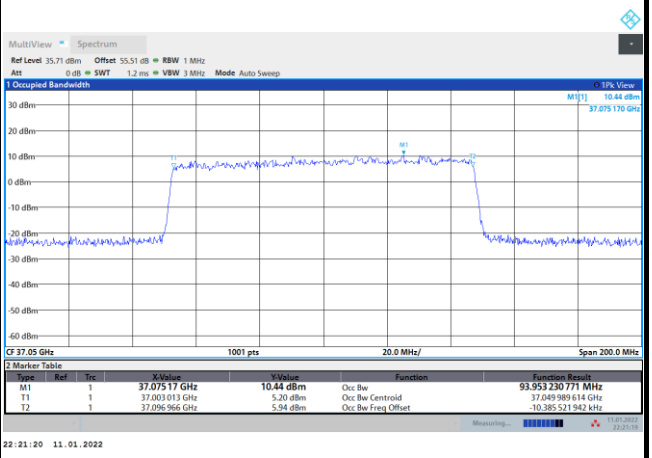
CP-OFDM Module 0

NR Band n260

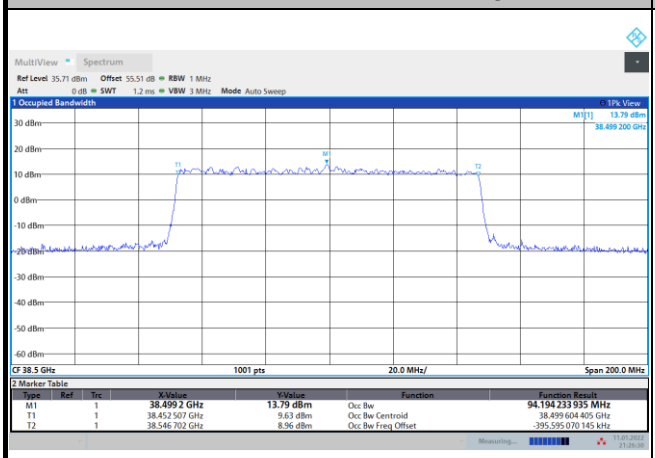
Lowest Channel / 100MHz / 16QAM



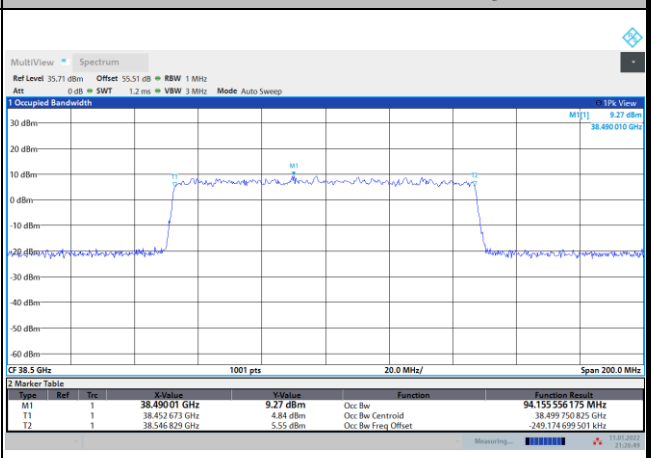
Lowest Channel / 100MHz / 64QAM



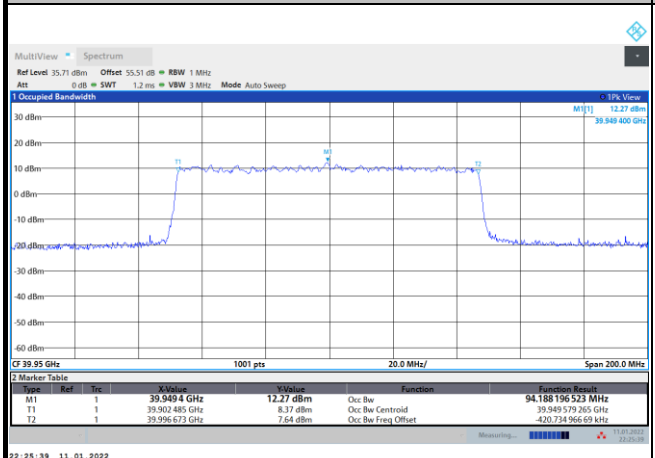
Middle Channel / 100MHz / 16QAM



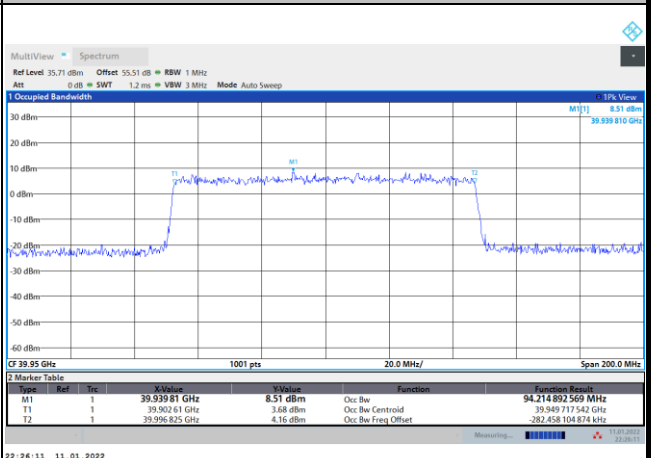
Middle Channel / 100MHz / 64QAM



Highest Channel / 100MHz / 16QAM



Highest Channel / 100MHz / 64QAM



CP-OFDM Module 0

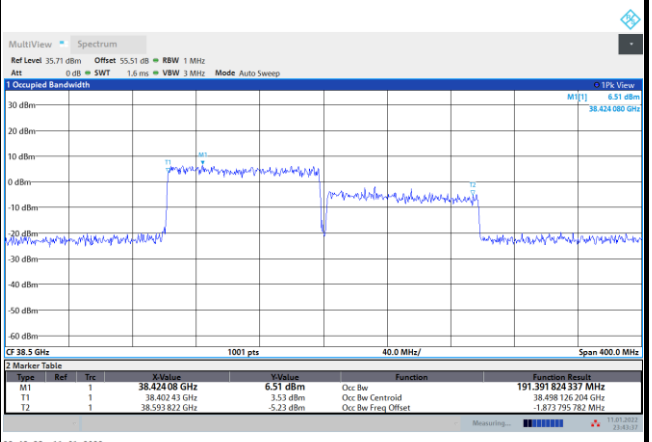
NR Band n260

Lowest Channel / 200MHz / QPSK

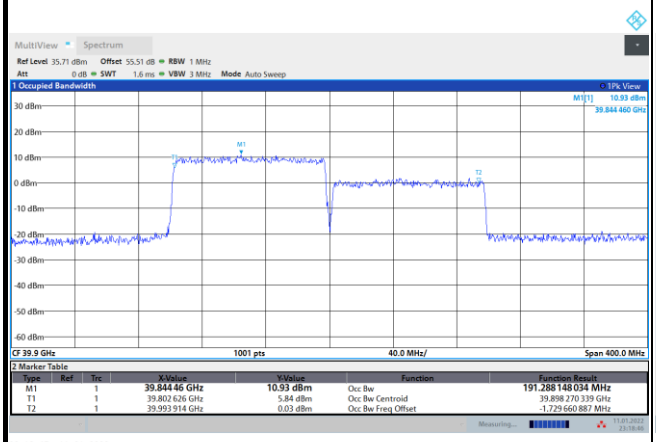
Lowest Channel / 200MHz / 16QAM

Middle Channel / 200MHz / QPSK

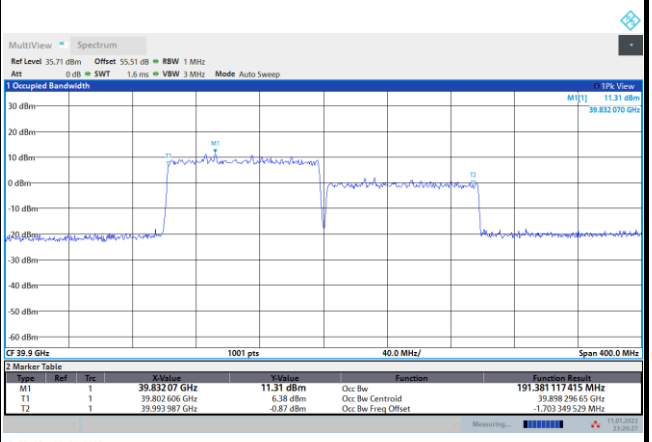
Middle Channel / 200MHz / 16QAM



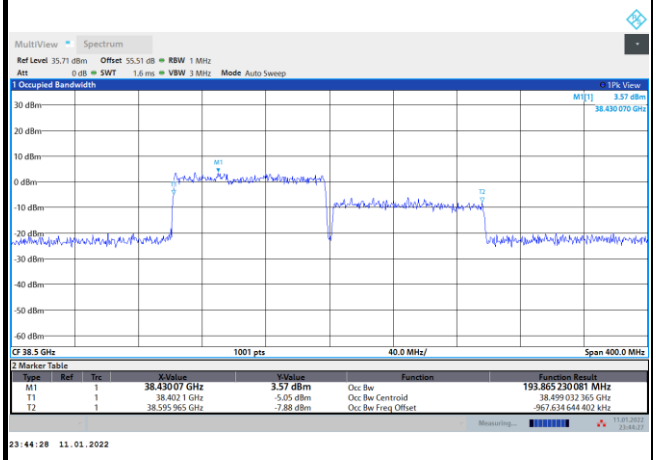
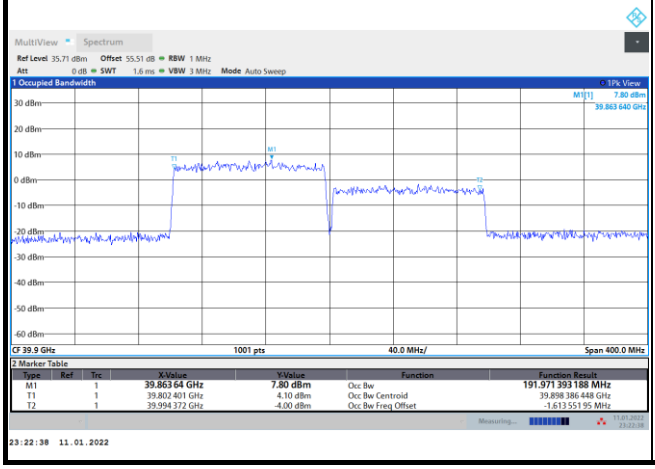
Highest Channel / 200MHz / QPSK



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			50MHz				100MHz				200MHz			
Limit (dBm)			BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM
Low CH	0~10%OB	≦-5	-8.11	-8.58	-8.61	-10.78	-8.56	-8.16	-10.1	-11.9	-16.71	-15.9	-15.12	-16.74
	>10%OB	≦-13	-22.52	-24.19	-24.44	-25.31	-24.33	-24.3	-25.98	-27.13	-26.19	-26.05	-26.33	-25.95
High CH	0~10%OB	≦-5	-11.11	-11.45	-14.46	-15.18	-13.08	-12.79	-14.89	-16.71	-27.24	-26.84	-26.65	-27.01
	>10%OB	≦-13	-18.87	-19.58	-20.74	-22.48	-23.28	-24.21	-24.64	-25.95	-27.55	-27.62	-27.81	-27.73
Result			Compliance											

Mode			CP-OFDM Module 0 NR Band n260 : BE (dBm) 1 RB								
BW			50MHz			100MHz			200MHz		
Limit (dBm)			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Low CH	0~10%OB	≦-5	-12.36	-12.33	-14.89	-12.32	-13.08	-14.3	-9.73	-10.93	-12.95
	>10%OB	≦-13	-26.07	-26.22	-27.75	-27.38	-27.99	-28.15	-19.47	-17	-20.13
High CH	0~10%OB	≦-5	-11.7	-12.58	-16.03	-12.89	-13.97	-16	-25.65	-25.69	-25.23
	>10%OB	≦-13	-19.78	-20.88	-23.61	-24.79	-25.6	-25.99	-27.23	-25.69	-22.85
Result			Compliance								

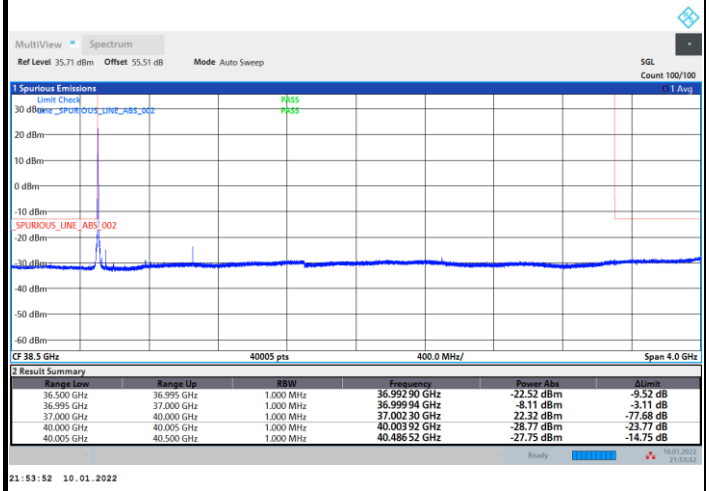
Mode			DFT-s-OFDM Module 0 NR Band n260 : BE (dBm) Full RB											
BW			50MHz				100MHz				200MHz			
Limit (dBm)			BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM
Low CH	0~10%OB	≦-5	-18.8	-16.78	-21.09	-24.81	-22.27	-21.39	-24.23	-26.58	-25.74	-28.37	-28.56	-29.92
	>10%OB	≦-13	-24.66	-20.4	-26.6	-29.53	-26.96	-23.02	-27.74	-28.13	-30.49	-30.49	-30.55	-30.69
High CH	0~10%OB	≦-5	-21.87	-19.12	-23.69	-25.19	-24.66	-22.52	-25.53	-26.6	-28.62	-28.06	-28.59	-28.89
	>10%OB	≦-13	-24.41	-20.48	-25.39	-27.58	-26	-23.55	-26.31	-26.41	-27.63	-27.24	-27.93	-27.65
Result			Compliance											

Mode			CP-OFDM Module 0 NR Band n260 : BE (dBm) Full RB								
BW			50MHz			100MHz			200MHz		
Limit (dBm)			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Low CH	0~10%OB	≦-5	-22.09	-25.26	-26.29	-21.02	-24.83	-26.62	-25.28	-27.35	-28.83
	>10%OB	≦-13	-25.35	-29.07	-30.52	-24.59	-27.05	-28.11	-29.82	-30.43	-30.55
High CH	0~10%OB	≦-5	-19.87	-23.1	-25.26	-22.78	-24.71	-26.33	-28.41	-28.59	-28.73
	>10%OB	≦-13	-22.43	-26.11	-27.66	-24.72	-26.44	-26.32	-27.36	-27.52	-27.7
Result			Compliance								

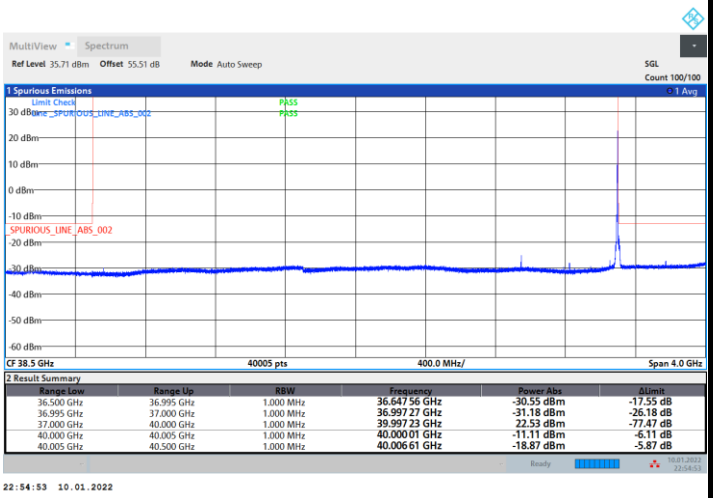
DFT-s-OFDM Module 0

NR Band n260 / 50MHz / BPSK

Lowest Band Edge / 1 RB

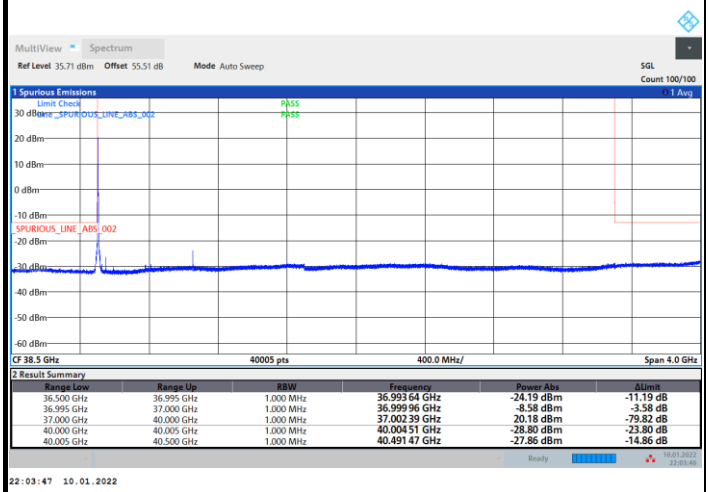


Highest Band Edge / 1 RB

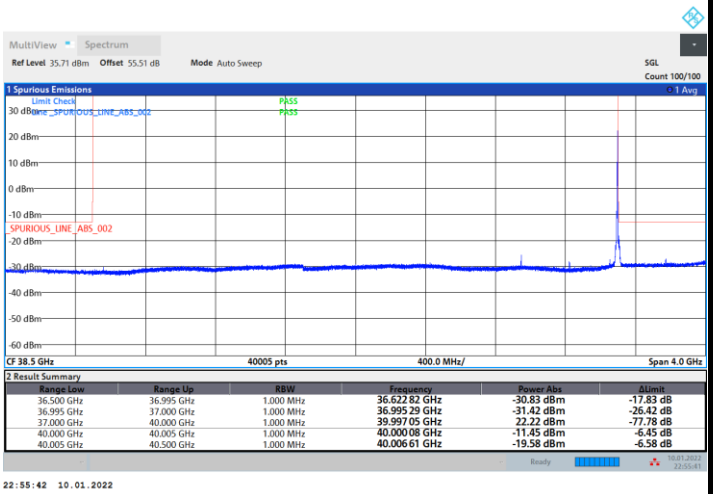


NR Band n260 / 50MHz / QPSK

Lowest Band Edge / 1 RB



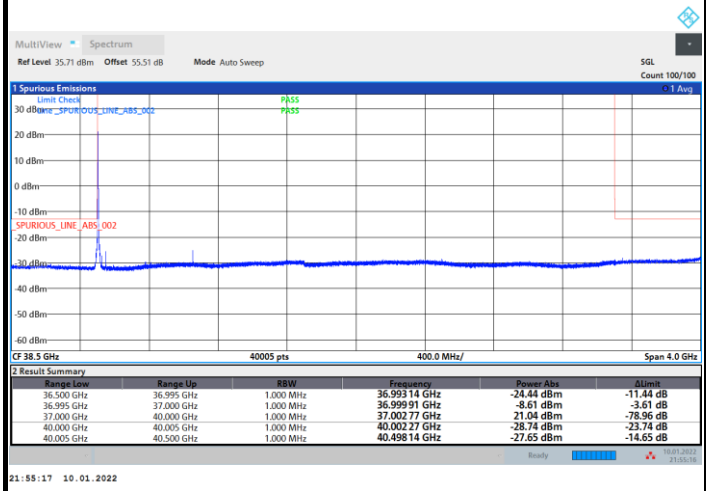
Highest Band Edge / 1 RB



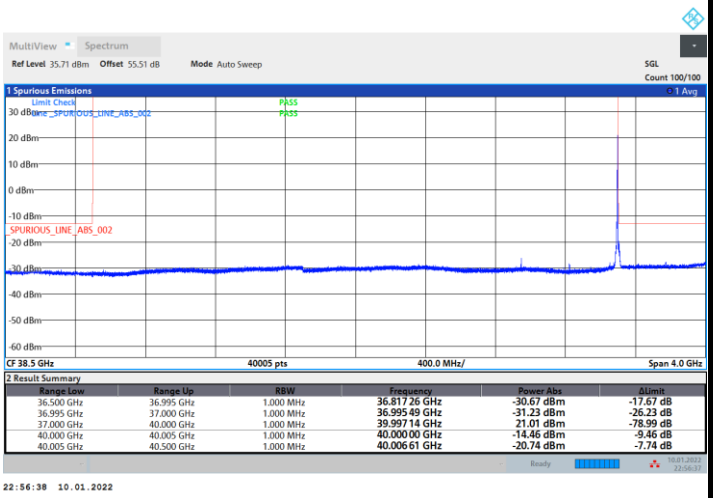
DFT-s-OFDM Module 0

NR Band n260 / 50MHz / 16QAM

Lowest Band Edge / 1 RB

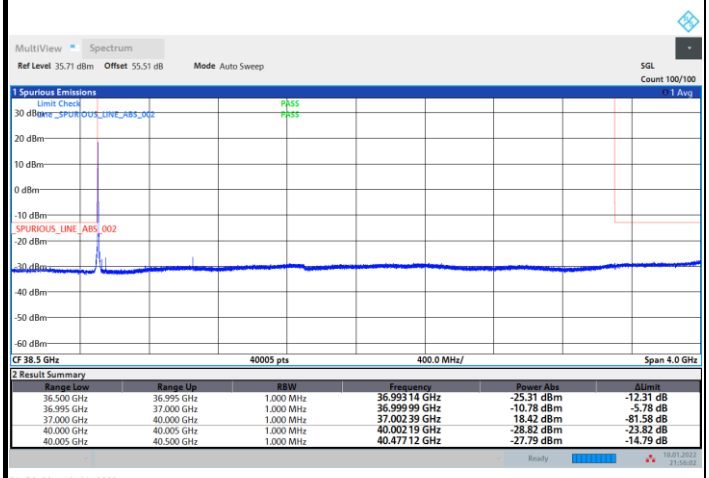


Highest Band Edge / 1 RB

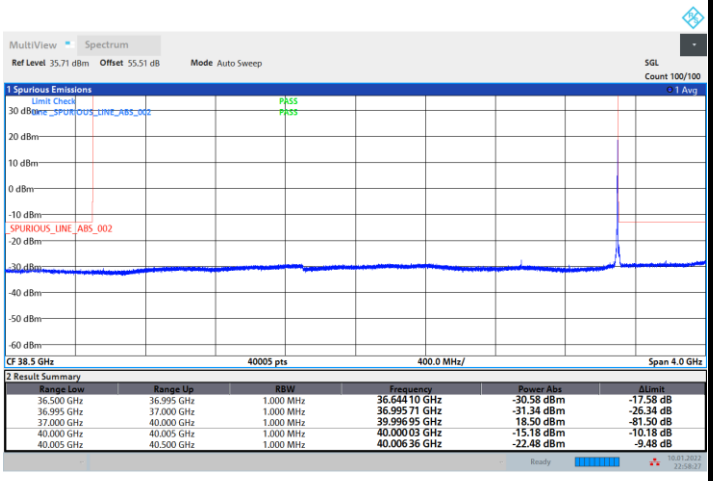


NR Band n260 / 50MHz / 64QAM

Lowest Band Edge / 1 RB



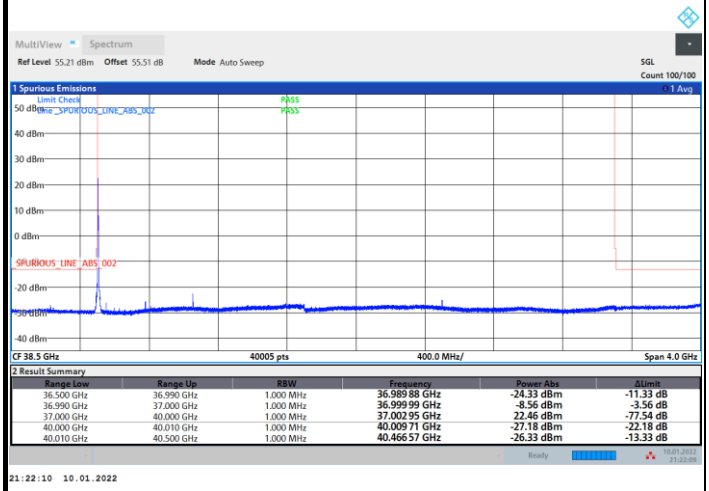
Highest Band Edge / 1 RB



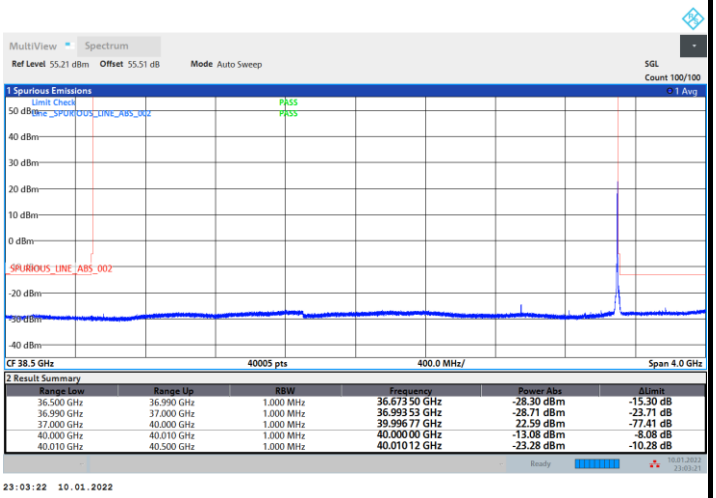
DFT-s-OFDM Module 0

NR Band n260 / 100MHz / BPSK

Lowest Band Edge / 1 RB

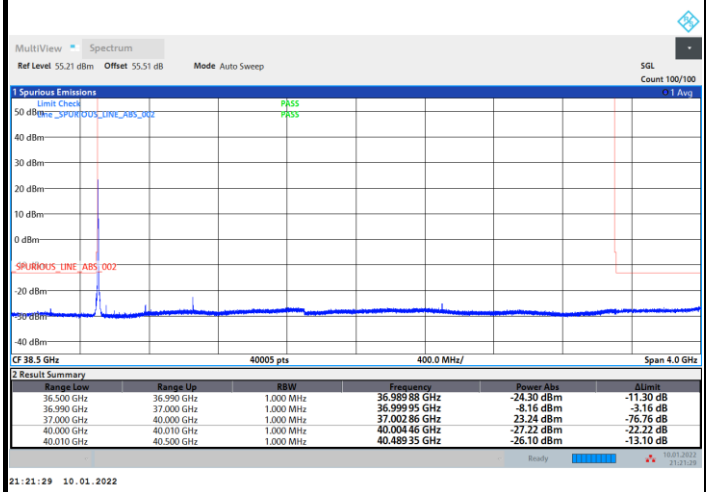
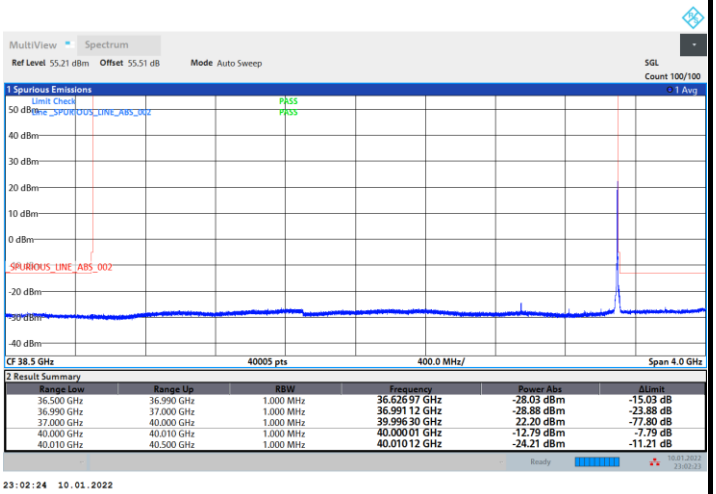


Highest Band Edge / 1 RB



NR Band n260 / 100MHz / QPSK

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB