FCC RADIO TEST REPORT

FCC ID	:	**PKRISGM2000A**
Equipment	:	**Wireless Hotspot Modem**
Brand Name	:	**Inseego**
Model Name	:	**M2000A**
Marketing Name	:	**M2000**
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 Jul. 09, 2020 and testing was started from Aug. 01, 2020 and completed on Aug. 27, 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 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.)

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History of this test report

Report No.	Version	Description	Issued Date
FG041657-01I	01	Initial issue of report	Sep. 15, 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	-
3.7	§2.1055	Frequency Stability for Temperature & Voltage	Within the band	Pass	-

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Wii Chang

Report Producer: Dara Chiu

1 General Description

1.1 Feature of Equipment Under Test

WCDMA/LTE/5G NR, Wi-Fi 2.4GHz 802.11b/g/n/ax, Wi-Fi 5GHz 802.11a/n/ac/ax and GNSS

Product Specification subjective to this standard	
Antenna Type	WWAN: Fixed Internal Antenna WLAN: <Ant. 1>: Fixed Internal Antenna <Ant. 2>: Fixed Internal Antenna GPS: Fixed Internal Antenna

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 n258a: 24.25GHz ~24.45GHz NR band n258b: 24.75GHz ~25.25GHz NR band n260: 37GHz ~ 40GHz NR band n261: 27.5GHz ~ 28.35GHz
Rx Frequency	NR band n258a: 24.25GHz ~24.45GHz NR band n258b: 24.75GHz ~25.25GHz NR band n260: 37GHz ~ 40GHz NR band n261: 27.5GHz ~ 28.35GHz
Support Bandwidth	NR band n258a: 50 MHz and 100 MHz NR band n258b: 50 MHz and 100 MHz NR band n260: 50 MHz and 100 MHz NR band n261: 50 MHz and 100 MHz
Maximum Number of contiguous CC	1
Maximum Aggregated Bandwidth	100MHz
Maximum Output Power (EIRP)	NR band n258a: Module 0: 20.80 dBm **Module 1: 20.94 dBm** NR band n258b: **Module 0: 21.53 dBm** Module 1: 20.13 dBm NR band n260: **Module 0: 24.04 dBm** Module 1: 22.66 dBm NR band n261: Module 0: 20.40 dBm **Module 1: 21.95 dBm**
Type of Modulation	CP-OFDM: QPSK / 16QAM / 64QAM DFT-s-OFDM: BPSK / QPSK / 16QAM / 64QAM

Note 1: Highest EIRP was measured on Module 1, single beam case for n258a band.

Note 2: Highest EIRP was measured on Module 0, single beam case for n258b band.

Note 3: Highest EIRP was measured on Module 0, single beam case for n260 band.

Note 4: 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

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory			
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978			
Test Site Information	Site No.	Engineer	Temperature	Humidity
	TH05-HY	Eric Jeng	23.1~26.0℃	47.6~55.9%

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory			
Test Site Location	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			
Test Site Information	Site No.	Engineer	Temperature	Humidity
	03CH10-HY	Yu Wang	23.5~25.8℃	49.6~57.2%
	03CH18-HY	Leo Liu, Eric Jeng, Quentin Liu, Cheng Wei, Steven Wu, and Peter Chiu	22.1~25.6℃	46.9~58.8 %

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).

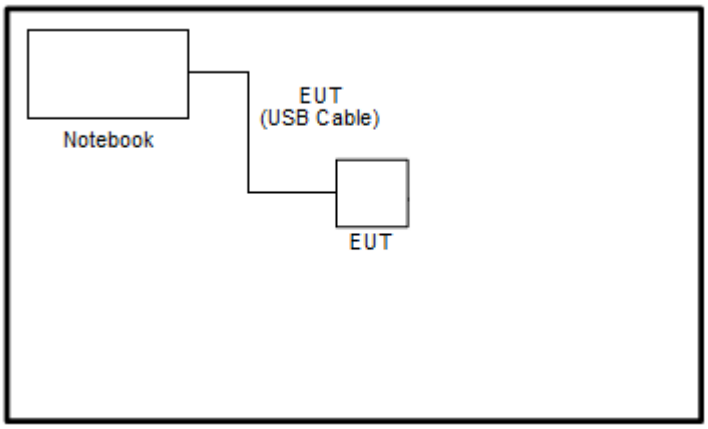
The EUT is forced to operate continuously (100% duty cycle) with maximum output power during the test.

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	n258a n258b n260 n261	v	v			v	v	v	v	v		v	v	v	v
99% Occupied Bandwidth	n258a n258b n260 n261	v	v			v	v	v	v			v	v	v	v
Out of Band Emission	n258a n258b n260 n261	v	v			v	v	v	v	v		v	v		v
Spurious Emission	n258a n258b n260 n261	v	v			v	v			v			v	v	v
Frequency Stability	n258a n258b 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 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. 3. Both modulation type DFT-s OFDM and CP-OFDM are evaluated and reported. 4. The out of band emission and spurious emissions were measured radiated EIRP.														

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	Notebook	Dell	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 (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

= 42.3 + 3.0 + 107 + 20log(1) – 104.8

= 47.5 (dB)

2.5 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		

2.6 Frequency List of Low/Middle/High Channels

NR Band n258a Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
50	Frequency	24275	24350	24425
100	Frequency	24300	24350	24400

NR Band n258b Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
50	Frequency	24775	25000	25225
100	Frequency	24800	25000	25200

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

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

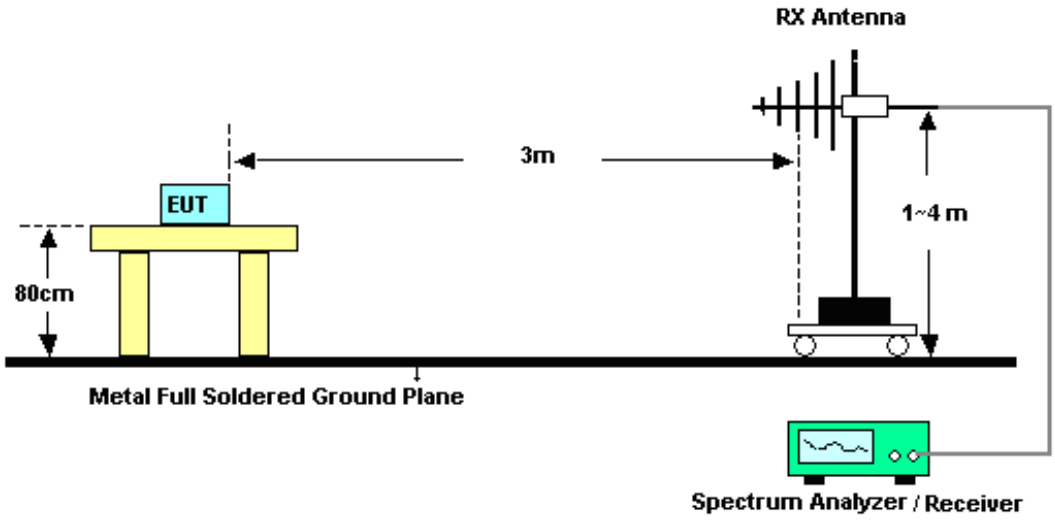
3 Radiated Test Items

3.1 Measuring Instruments

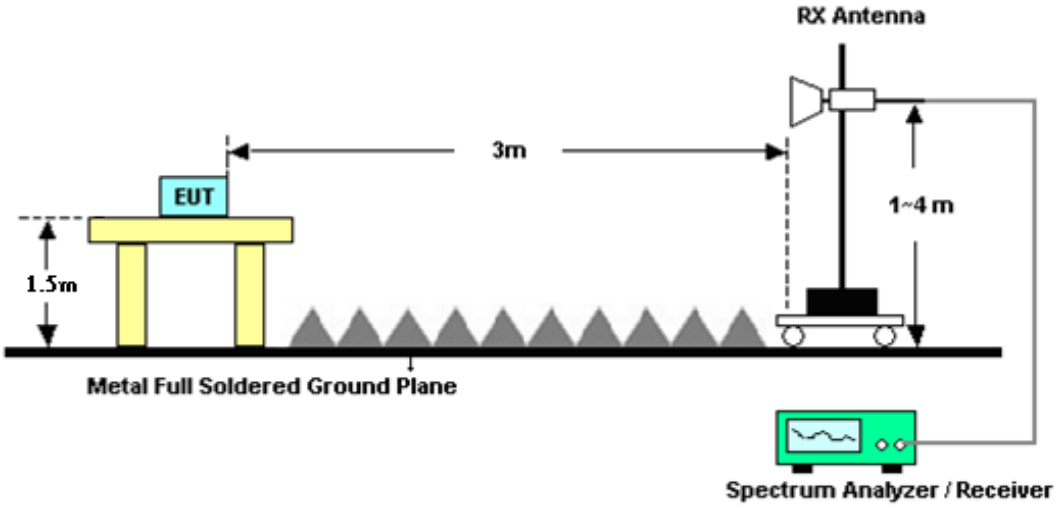
See list of measuring instruments of this test report.

3.2 Test Setup

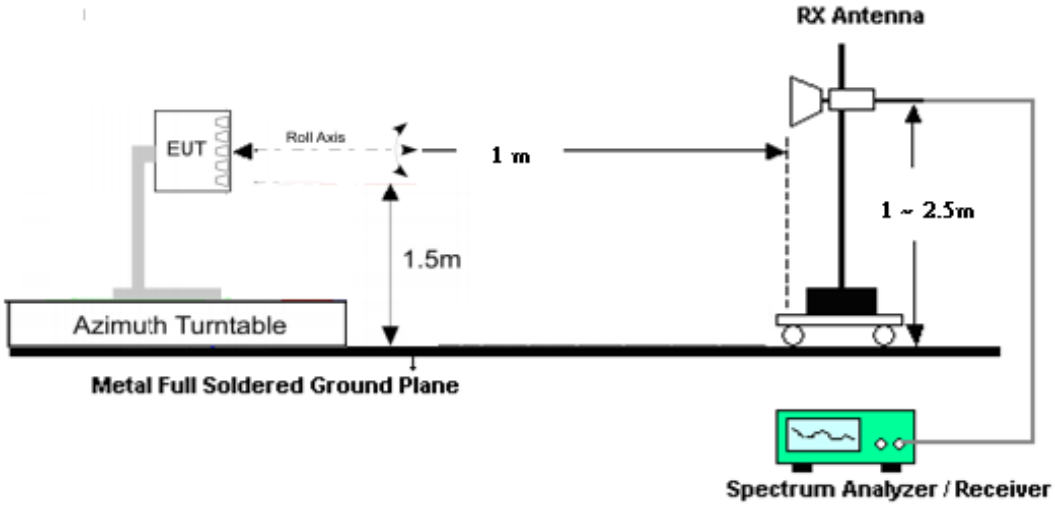
For radiated emissions from 30MHz to 1GHz



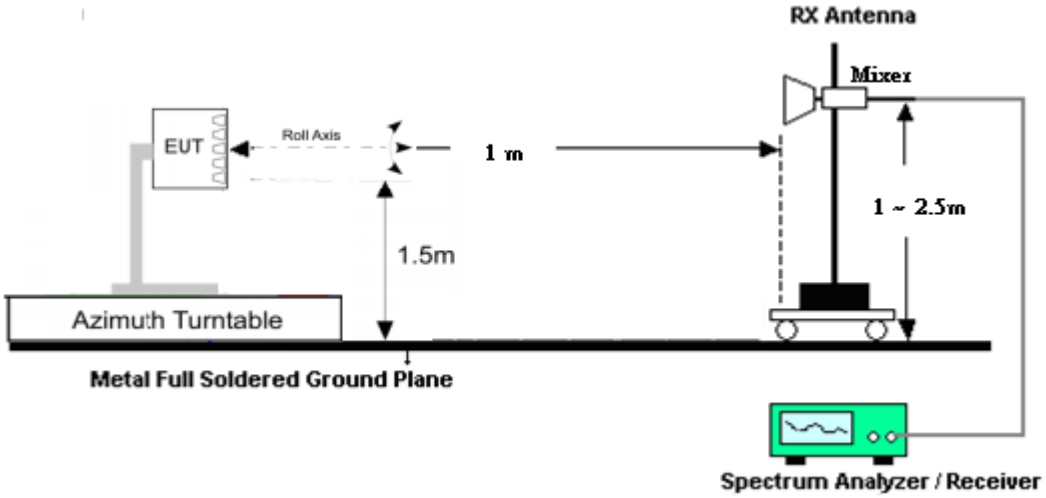
For radiated emissions 1GHz to 18GHz



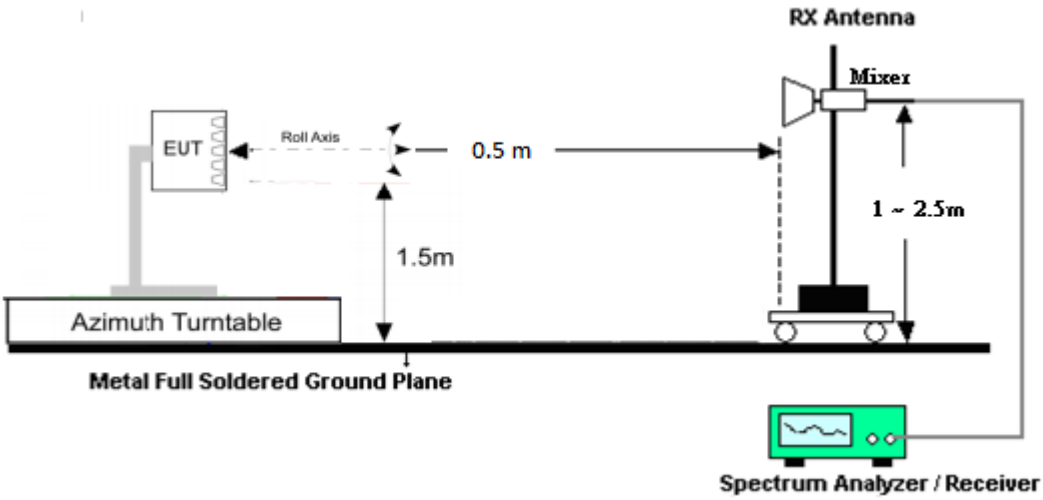
For radiated emissions above 18GHz up to 40GHz



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, Trace mode = trace average, sweep time = auto couple
6. Set sweep points ≥ 2 x Span/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

   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
10. 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 85% to 115% of the nominal value measured at the input to the EUT.
3. The variation in frequency was measured for the worst case.

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. 22, 2019	Aug. 23, 2020	Oct. 21, 2020	Radiation (03CH10-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	35413 & 02	30MHz~1GHz	Feb. 11, 2020	Aug. 23, 2020	Feb. 10, 2021	Radiation (03CH10-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1325	1GHz~18GHz	Oct. 09, 2019	Aug. 23, 2020	Oct. 08, 2020	Radiation (03CH10-HY)
Preamplifier	Jet-Power	JAP00101800-30-10P	160118550004	1GHz~18GHz	Mar. 02, 2020	Aug. 23, 2020	Mar. 01, 2021	Radiation (03CH10-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200485	10Hz~44GHz	Feb. 10, 2020	Aug. 23, 2020	Feb. 09, 2021	Radiation (03CH10-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Aug. 23, 2020	N/A	Radiation (03CH10-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Aug. 23, 2020	N/A	Radiation (03CH10-HY)
Turn Table	EMEC	TT 2200	N/A	0~360 Degree	N/A	Aug. 23, 2020	N/A	Radiation (03CH10-HY)
Software	Audix	E3 6.2009-8-24	RK-001042	N/A	N/A	Aug. 23, 2020	N/A	Radiation (03CH10-HY)
EMI Test Receiver	Agilent	N9038A(MXE)	MY53290045	20MHz~8.4GHz	Jan. 18, 2020	Aug. 23, 2020	Jan. 17, 2021	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104 / 102	MY11692/4PE,MY11693/4PE,MY2855/2	30MHz~1GHz	Nov. 07, 2019	Aug. 23, 2020	Nov. 06, 2020	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104 / 102	MY11692/4PE,MY11693/4PE,MY2855/2	1GHz~18GHz	Nov. 07, 2019	Aug. 23, 2020	Nov. 06, 2020	Radiation (03CH10-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz~40GHz	Dec. 10, 2019	Aug. 01, 2020 ~ Aug. 22, 2020	Dec. 09, 2020	Radiation (03CH18-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101756	10Hz~40GHz	Dec. 24, 2019	Aug. 01, 2020 ~ Aug. 22, 2020	Dec. 23, 2020	Radiation (03CH18-HY)
Signal Analyzer	R&S	FSV3044	101009	10Hz~44GHz	Nov. 11, 2019	Aug. 01, 2020 ~ Aug. 22, 2020	Nov. 10, 2020	Radiation (03CH18-HY)
RF Cable	HUBER + SUHNER	SF102/2*11SK252	MY4278/2	9kHz~40GHz	Jul. 03, 2020	Aug. 01, 2020 ~ Aug. 22, 2020	Jul. 02, 2021	Radiation (03CH18-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV30	103738	9kHz to 30GHz	May 14, 2020	Aug. 22, 2020	May 13, 2021	Radiation (03CH18-HY)
Harmonic Mixer (*)	Rohde & Schwarz	RPG FS-Z140	101128	90 ~ 140 GHz	Sep. 03, 2018	Aug. 22, 2020	Sep. 02, 2021	Radiation (03CH18-HY)
Harmonic Mixer (*)	Rohde & Schwarz	RPG FS-Z60	100986	40 ~ 60 GHz	Oct. 31, 2018	Aug. 22, 2020	Oct. 30, 2021	Radiation (03CH18-HY)
Harmonic Mixer (*)	Rohde & Schwarz	FS-Z90	101811	60 ~ 90 GHz	Jul. 16, 2018	Aug. 22, 2020	Jul. 15, 2021	Radiation (03CH18-HY)
Harmonic Mixer (*)	Rohde & Schwarz	RPG FS-Z220	101014	140 ~ 220 GHz	Aug. 27, 2018	Aug. 22, 2020	Aug. 26, 2021	Radiation (03CH18-HY)
Standard Horn Antenna	Quinstar	QWH-EPRR00	784600034	60 ~ 90 GHz	Aug. 17, 2018	Aug. 22, 2020	Aug. 16, 2021	Radiation (03CH18-HY)
Standard Horn Antenna	Quinstar	QWH-GPRR00	923900001	140 ~ 220 GHz	Aug. 17, 2018	Aug. 22, 2020	Aug. 16, 2021	Radiation (03CH18-HY)
Standard Horn Antenna	Quinstar	QWH-FPRR00	923800008	90 ~ 140 GHz	Aug. 17, 2018	Aug. 22, 2020	Aug. 16, 2021	Radiation (03CH18-HY)
Standard Horn Antenna	Quinstar	QWH-UPRR00	923600007	40 ~ 60 GHz	Aug. 17, 2018	Aug. 22, 2020	Aug. 16, 2021	Radiation (03CH18-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz~40GHz	Nov. 26, 2019	Aug. 27, 2020	Nov. 25, 2020	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV40	101756	10Hz~40GHz	Dec. 24, 2019	Aug. 27, 2020	Dec. 23, 2020	Conducted (TH05-HY)
RF Cable	HUBER + SUHNER	SF102/2*11SK252	MY4278/2	9kHz~40GHz	Jul. 03, 2020	Aug. 27, 2020	Jul. 02, 2021	Conducted (TH05-HY)
Temperature & Humidity Cabinet Chamber	ESPEC	LHU-113	1012005860	N/A	Dec. 12, 2019	Aug. 27, 2020	Dec. 11, 2020	Conducted (TH05-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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.26

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

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

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

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

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

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

Appendix A. Test Results of EIRP and Radiated Test

EIRP Power(Average power)

NR Band n258a Module 0

NR Band n258a Module 0 AG0 (Beam ID: 20) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Lowest	50	DFT-S	BPSK	13.04	16.15	17.65	17.56
	50	DFT-S	QPSK	14.59	17.51	18.92	18.77
	50	DFT-S	16QAM	13.07	15.9	18.55	18.33
	50	DFT-S	64QAM	10.87	13.87	16.51	16.38
	50	CP	QPSK	12.08	15.25	17.29	17.04
	50	CP	16QAM	11.1	14.41	16.59	16.31
	50	CP	64QAM	8.36	11.74	14.23	14.17
	100	DFT-S	BPSK	11.94	16.62	18.54	18.35
	100	DFT-S	QPSK	13.34	17.93	19.8	19.78
	100	DFT-S	16QAM	11.82	16.37	19.34	19.08
	100	DFT-S	64QAM	9.77	14.26	17.28	17.23
	100	CP	QPSK	10.99	15.37	17.65	17.49
	100	CP	16QAM	9.93	14.29	17.02	16.71
	100	CP	64QAM	7.11	11.77	14.7	14.54

NR Band n258a Module 0 AG0 (Beam ID: 20) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Middle	50	DFT-S	BPSK	14.05	16.63	18.06	17.85
	50	DFT-S	QPSK	15.47	17.93	19.26	19.27
	50	DFT-S	16QAM	13.96	16.3	18.94	18.65
	50	DFT-S	64QAM	13.29	15.61	17.34	17.13
	50	CP	QPSK	12.29	14.57	16.75	16.38
	50	CP	16QAM	9.5	12.21	14.39	14.25
	50	CP	64QAM	13.13	16.9	18.05	17.92
	100	DFT-S	BPSK	14.55	18.26	19.29	19.32
	100	DFT-S	QPSK	13.1	16.7	19.05	18.67
	100	DFT-S	16QAM	10.89	14.63	16.87	16.84
	100	DFT-S	64QAM	12.34	15.66	17.12	17
	100	CP	QPSK	11.27	14.64	16.51	16.23
	100	CP	16QAM	8.46	12.21	14.13	14.09
	100	CP	64QAM	14.05	16.63	18.06	17.85

NR Band n258a Module 0 AG0 (Beam ID: 20) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Highest	50	DFT-S	BPSK	15.05	17.55	19.18	18.94
	50	DFT-S	QPSK	16.34	18.94	20.45	20.24
	50	DFT-S	16QAM	14.42	17.27	19.69	19.79
	50	DFT-S	64QAM	12.8	15.27	17.94	17.8
	50	CP	QPSK	13.95	16.57	18.37	18.28
	50	CP	16QAM	12.87	15.44	17.68	17.6
	50	CP	64QAM	10.57	13.1	15.59	15.38
	100	DFT-S	BPSK	12.36	17.43	19.4	19.51
	100	DFT-S	QPSK	13.69	18.83	20.64	**20.8**
	100	DFT-S	16QAM	12.41	17.24	20.32	20.29
	100	DFT-S	64QAM	10.16	15.1	18.35	18.37
	100	CP	QPSK	11.63	16.44	18.6	18.74
	100	CP	16QAM	10.61	15.36	17.97	17.91
	100	CP	64QAM	7.75	12.91	15.54	15.74

NR Band n258a Module 0 AG1 (Beam ID: 146) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Lowest	50	DFT-S	BPSK	11.59	14.79	15.89	15.82
	50	DFT-S	QPSK	13.1	16.17	17.24	17.25
	50	DFT-S	16QAM	11.56	14.55	17.03	16.92
	50	DFT-S	64QAM	9.48	12.75	14.65	14.77
	50	CP	QPSK	10.77	13.88	15.33	15.3
	50	CP	16QAM	9.96	12.99	14.7	14.46
	50	CP	64QAM	7.29	10.58	12.15	12.2
	100	DFT-S	BPSK	10.33	14.95	16.79	16.59
	100	DFT-S	QPSK	11.77	16.46	**18.06**	17.99
	100	DFT-S	16QAM	10.14	14.82	17.77	17.65
	100	DFT-S	64QAM	8.34	12.95	15.58	15.59
	100	CP	QPSK	9.44	13.91	16.01	15.9
	100	CP	16QAM	8.52	12.94	15.3	15.14
	100	CP	64QAM	5.77	10.45	12.81	12.83

NR Band n258a Module 0 AG1 (Beam ID: 146) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Middle	50	DFT-S	BPSK	11.41	14.05	15.13	15.01
	50	DFT-S	QPSK	12.75	15.43	16.4	17.67
	50	DFT-S	16QAM	11.22	13.82	16.21	15.94
	50	DFT-S	64QAM	9.52	12.05	14.18	13.94
	50	CP	QPSK	10.64	13.13	14.61	14.53
	50	CP	16QAM	9.67	12.2	13.81	13.75
	50	CP	64QAM	7.04	9.72	11.54	11.61
	100	DFT-S	BPSK	10.3	14.23	15.01	14.93
	100	DFT-S	QPSK	11.62	15.6	16.32	17.21
	100	DFT-S	16QAM	10.18	14.06	16.02	16
	100	DFT-S	64QAM	8.26	12.19	14.03	13.87
	100	CP	QPSK	9.5	13.18	14.51	14.52
	100	CP	16QAM	8.53	12.4	13.74	13.8
	100	CP	64QAM	5.88	10.01	11.5	11.54

NR Band n258a Module 0 AG1 (Beam ID: 146) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Highest	50	DFT-S	BPSK	12.65	15.02	16.48	16.22
	50	DFT-S	QPSK	13.95	16.45	17.79	17.63
	50	DFT-S	16QAM	12.44	14.82	17.57	17.25
	50	DFT-S	64QAM	10.7	12.97	15.47	15.17
	50	CP	QPSK	11.9	14.19	16.03	15.7
	50	CP	16QAM	10.93	13.27	15.24	14.93
	50	CP	64QAM	8.4	10.82	12.95	12.76
	100	DFT-S	BPSK	9.07	14	15.56	15.49
	100	DFT-S	QPSK	10.47	15.45	16.88	17.82
	100	DFT-S	16QAM	8.91	13.8	16.71	16.54
	100	DFT-S	64QAM	6.65	11.95	14.21	14.47
	100	CP	QPSK	7.96	12.98	14.85	14.94
	100	CP	16QAM	7.28	12.04	14.44	14.21
	100	CP	64QAM	4.51	9.55	11.84	11.87

NR Band n258a Module 0 AG0+1 (Beam ID: 20+146) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Lowest	50	CP	QPSK	13.61	16.49	18.77	18.08
	50	CP	16QAM	12.62	15.38	17.59	17.55
	50	CP	64QAM	9.95	12.96	15.51	15.33
	100	CP	QPSK	12.39	16.2	18.53	18.07
	100	CP	16QAM	10.96	15.11	18.15	17.39
	100	CP	64QAM	8.43	12.73	15.9	15.22

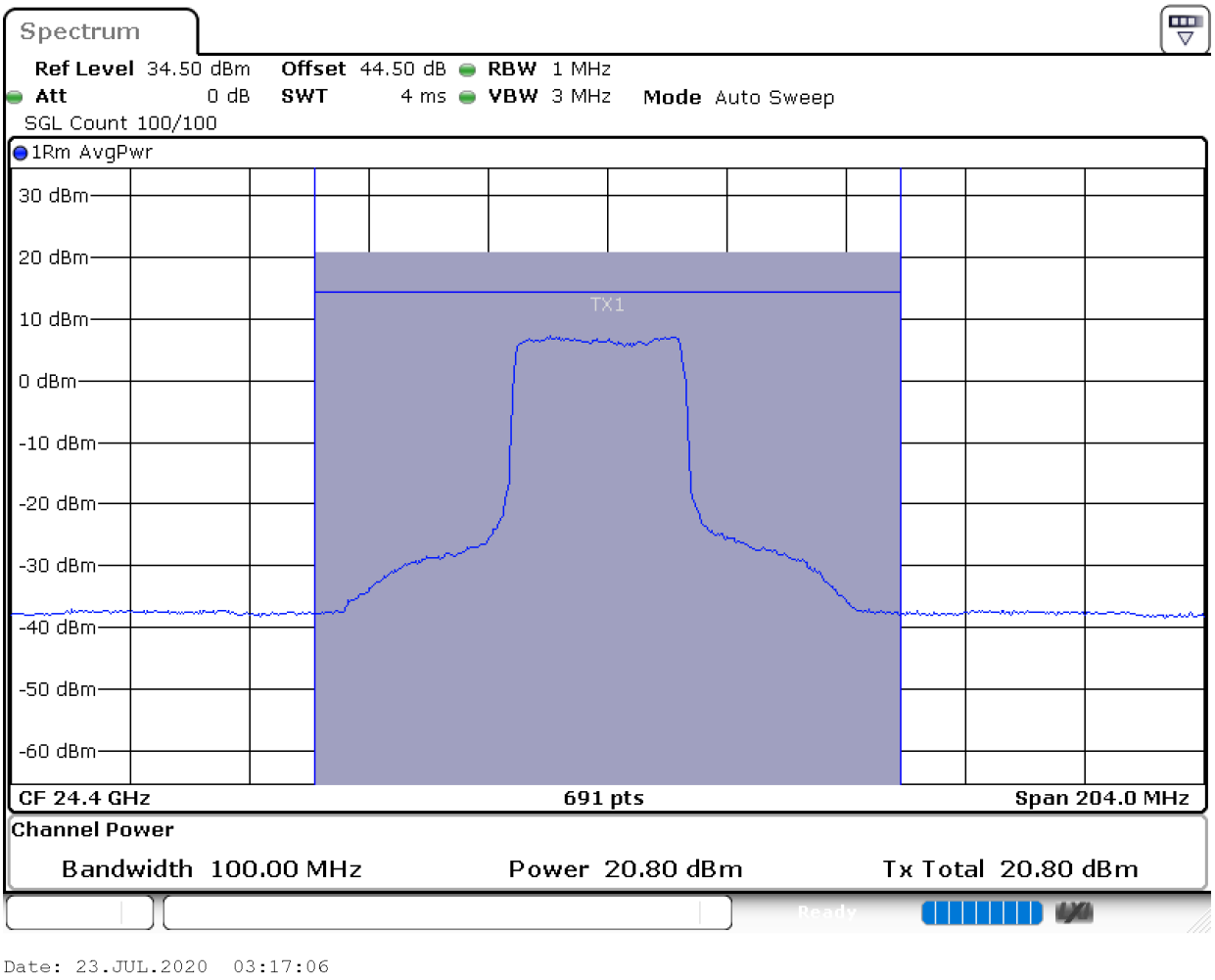
NR Band n258a Module 0 AG0+1 (Beam ID: 20+146) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Middle	50	CP	QPSK	13.24	16.05	17.23	17.4
	50	CP	16QAM	12.48	15.03	16.86	16.79
	50	CP	64QAM	9.78	12.67	14.67	14.61
	100	CP	QPSK	12.17	16.24	17.45	17.46
	100	CP	16QAM	11.48	15.22	16.61	16.79
	100	CP	64QAM	8.89	12.71	13.9	14.6

NR Band n258a Module 0 AG0+1 (Beam ID: 20+146) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Highest	50	CP	QPSK	15.77	17.54	**19.79**	19.18
	50	CP	16QAM	14.77	16.46	19.16	18.57
	50	CP	64QAM	12.05	14.1	16.81	16.34
	100	CP	QPSK	12.15	16.96	19.24	19.19
	100	CP	16QAM	11.16	15.73	18.72	18.5
	100	CP	64QAM	8.3	13.39	16.16	16.35

NR Band n258a Module 0

EIRP Worst Case Plot

Highest Channel / 100MHz / QPSK / 20RB22 (Module 0)



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

= 40.5 + 1.8 + 107 + 20log(1) – 104.8

= 44.5 (dB)

NR Band n258a Module 1

NR Band n258a Module 1 AG0 (Beam ID: 23) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Lowest	50	DFT-S	BPSK	13.46	17.4	17.51	17.15
	50	DFT-S	QPSK	14.85	17.34	18.85	18.49
	50	DFT-S	16QAM	13.03	15.63	18.18	17.88
	50	DFT-S	64QAM	10.82	13.48	16.21	15.89
	50	CP	QPSK	12.38	14.97	17.11	16.76
	50	CP	16QAM	11.54	13.86	16.5	16.1
	50	CP	64QAM	8.78	11.21	14.28	13.78
	100	DFT-S	BPSK	12.64	16.16	17.32	17.15
	100	DFT-S	QPSK	14.11	17.39	18.66	18.43
	100	DFT-S	16QAM	12.25	15.6	18.14	17.95
	100	DFT-S	64QAM	10.05	13.5	16.19	16.05
	100	CP	QPSK	11.83	14.94	17	16.73
	100	CP	16QAM	10.91	13.85	16.4	16.08
	100	CP	64QAM	8.21	11.28	14.12	13.81

NR Band n258a Module 1 AG0 (Beam ID: 23) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Middle	50	DFT-S	BPSK	14.28	16.94	18.31	18.14
	50	DFT-S	QPSK	15.73	18.27	19.72	19.45
	50	DFT-S	16QAM	14.08	16.6	19.24	18.88
	50	DFT-S	64QAM	11.73	14.45	17.26	16.97
	50	CP	QPSK	13.32	15.87	17.98	17.7
	50	CP	16QAM	12.4	14.77	17.41	17.09
	50	CP	64QAM	9.69	12.15	15.19	14.73
	100	DFT-S	BPSK	12.49	16.84	18.54	18.46
	100	DFT-S	QPSK	13.92	18.17	19.91	19.75
	100	DFT-S	16QAM	12.1	16.46	19.41	19.33
	100	DFT-S	64QAM	9.91	14.39	17.52	17.37
	100	CP	QPSK	11.6	15.78	18.19	17.98
	100	CP	16QAM	10.71	14.67	17.64	17.37
	100	CP	64QAM	8.03	12.15	15.36	15.12

NR Band n258a Module 1 AG0 (Beam ID: 23) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Highest	50	DFT-S	BPSK	19.3	19.72	20.77	20.93
	50	DFT-S	QPSK	19.21	19.68	20.7	**20.94**
	50	DFT-S	16QAM	17.41	18.02	19.58	19.88
	50	DFT-S	64QAM	15.44	15.99	17.27	17.86
	50	CP	QPSK	17.73	17.8	19.37	18.92
	50	CP	16QAM	15.53	16.56	17.18	17.85
	50	CP	64QAM	12.97	13.74	15.18	15.85
	100	DFT-S	BPSK	19.49	19.5	19.97	20.29
	100	DFT-S	QPSK	19.45	19.5	20.02	20.08
	100	DFT-S	16QAM	19.39	17.83	18.96	19.23
	100	DFT-S	64QAM	15.63	15.67	16.6	16.95
	100	CP	QPSK	17.75	17.18	18.34	18.36
	100	CP	16QAM	15.61	16.04	16.28	17.14
	100	CP	64QAM	13.23	13.39	14.54	14.79

NR Band n258a Module 1 AG1 (Beam ID: 153) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Lowest	50	DFT-S	BPSK	11.66	14.76	16.28	16.1
	50	DFT-S	QPSK	12.99	16.15	17.51	17.45
	50	DFT-S	16QAM	11.25	14.64	16.91	16.81
	50	DFT-S	64QAM	8.94	12.61	14.74	14.84
	50	CP	QPSK	11.07	14.07	15.61	15.37
	50	CP	16QAM	10.08	13.25	14.74	14.39
	50	CP	64QAM	7.32	10.81	12.49	12.44
	100	DFT-S	BPSK	10.66	14.75	16.7	16.53
	100	DFT-S	QPSK	11.93	16.15	17.77	17.96
	100	DFT-S	16QAM	10.44	14.62	17.16	17.29
	100	DFT-S	64QAM	8.43	12.58	15.14	15.26
	100	CP	QPSK	9.71	13.67	15.73	15.64
	100	CP	16QAM	8.86	12.63	15.17	14.79
	100	CP	64QAM	6.05	10.18	12.91	12.78

NR Band n258a Module 1 AG1 (Beam ID: 153) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Middle	50	DFT-S	BPSK	12.12	14.84	16.02	15.92
	50	DFT-S	QPSK	13.42	16.17	17.27	17.26
	50	DFT-S	16QAM	11.92	14.62	16.56	16.73
	50	DFT-S	64QAM	9.82	12.62	14.55	14.72
	50	CP	QPSK	11.21	13.81	15.2	15.25
	50	CP	16QAM	10.57	12.86	14.82	14.42
	50	CP	64QAM	7.52	10.43	12.25	12.29
	100	DFT-S	BPSK	11.08	14.69	15.49	15.51
	100	DFT-S	QPSK	12.5	16.03	16.82	16.82
	100	DFT-S	16QAM	10.58	14.48	16.01	16.16
	100	DFT-S	64QAM	8.92	12.52	14.34	14.26
	100	CP	QPSK	10.09	13.68	14.86	14.92
	100	CP	16QAM	8.89	12.71	13.93	14.05
	100	CP	64QAM	6.62	10.27	11.99	12.11

NR Band n258a Module 1 AG1 (Beam ID: 153) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Highest	50	DFT-S	BPSK	13.48	15.85	17.34	17.21
	50	DFT-S	QPSK	15.63	17.22	18.73	**19.15**
	50	DFT-S	16QAM	14.05	15.73	18.1	18.04
	50	DFT-S	64QAM	11.79	13.8	16.07	15.97
	50	CP	QPSK	13.04	15.23	17.14	16.72
	50	CP	16QAM	12.12	14.35	16.25	15.91
	50	CP	64QAM	9.77	11.91	14.26	13.89
	100	DFT-S	BPSK	12.03	17.32	17.69	17.63
	100	DFT-S	QPSK	12.53	17.35	18.96	18.94
	100	DFT-S	16QAM	11.16	15.81	18.27	18.41
	100	DFT-S	64QAM	8.84	13.88	16.14	16.36
	100	CP	QPSK	11.55	14.37	16.67	16.32
	100	CP	16QAM	10.45	13.33	15.74	15.93
	100	CP	64QAM	8.07	10.95	13.84	13.46

NR Band n258a Module 1 AG0+1 (Beam ID: 23+153) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Lowest	50	CP	QPSK	12.16	14.99	16.78	17.09
	50	CP	16QAM	11.28	13.75	16.33	15.79
	50	CP	64QAM	8.57	11.32	13.96	13.87
	100	CP	QPSK	10.4	14.26	16.74	16.23
	100	CP	16QAM	9	13.24	15.55	15.43
	100	CP	64QAM	7.02	10.77	14.98	13.42

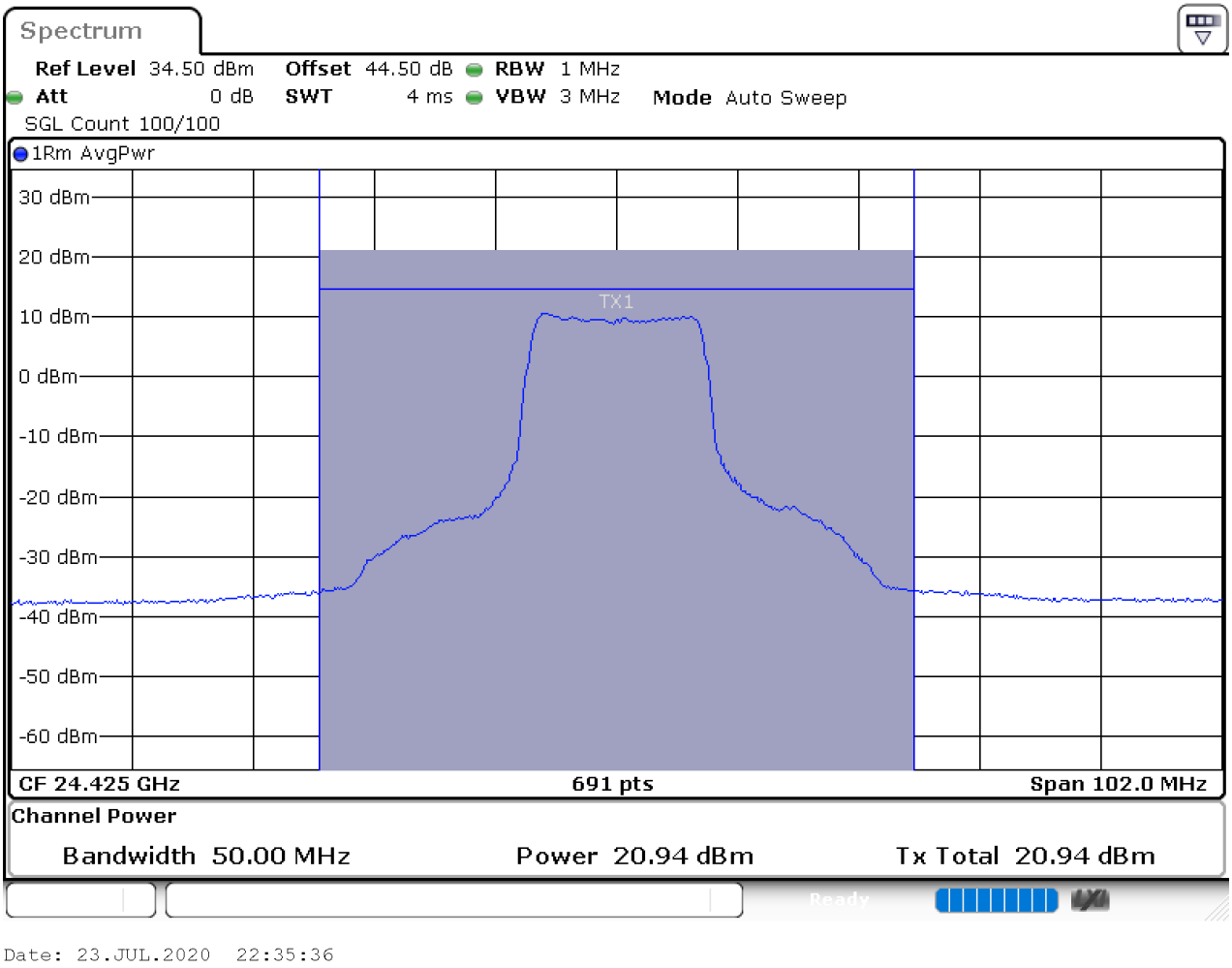
NR Band n258a Module 1 AG0+1 (Beam ID: 23+153) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Middle	50	CP	QPSK	12.63	14.67	16.61	16.15
	50	CP	16QAM	11.37	13.7	15.46	15.42
	50	CP	64QAM	8.95	11.33	13.7	13.23
	100	CP	QPSK	10.82	14.42	15.87	15.87
	100	CP	16QAM	9.46	13.44	14.79	15.03
	100	CP	64QAM	7.07	10.94	13.12	13.15

NR Band n258a Module 1 AG0+1 (Beam ID: 23+153) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Highest	50	CP	QPSK	13.96	15.75	**18.1**	17.33
	50	CP	16QAM	12.74	14.76	17.06	16.71
	50	CP	64QAM	10.44	12.34	15.27	14.53
	100	CP	QPSK	11.05	15.26	17.68	17.13
	100	CP	16QAM	9.66	14.27	16.37	16.36
	100	CP	64QAM	7.65	11.84	14.97	14.44

NR Band n258a Module 1

EIRP Worst Case Plot

Highest Channel / 50MHz / QPSK / 10RB11 (Module 1)



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

= 40.5 + 1.8 + 107 + 20log(1) – 104.8

= 44.5 (dB)

NR Band n258b Module 0

NR Band n258b Module 0 AG0 (Beam ID: 20) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Lowest	50	DFT-S	BPSK	13.66	16.81	17.76	17.72
	50	DFT-S	QPSK	15.07	17.76	19.1	18.99
	50	DFT-S	16QAM	13.37	16.35	18.32	18.23
	50	DFT-S	64QAM	12.12	14.39	16.98	16.46
	50	CP	QPSK	13.57	16.4	18.12	17.85
	50	CP	16QAM	12.7	15.39	17.55	17.11
	50	CP	64QAM	10.22	12.88	15.68	15.12
	100	DFT-S	BPSK	14.17	18.24	19.9	19.71
	100	DFT-S	QPSK	15.53	19.55	21.18	21.07
	100	DFT-S	16QAM	13.93	18.03	20.37	20.3
	100	DFT-S	64QAM	12.27	16.07	18.89	18.43
	100	CP	QPSK	14.01	17.58	19.3	19.13
	100	CP	16QAM	13.13	16.64	18.4	18.28
	100	CP	64QAM	10.67	14.14	16.9	16.27

Note :

NR Band n258b Module 0 AG0 (Beam ID: 20) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Middle	50	DFT-S	BPSK	12.77	15.95	17.97	17.8
	50	DFT-S	QPSK	14.11	17.03	19.29	19.21
	50	DFT-S	16QAM	12.7	15.81	17.61	17.66
	50	DFT-S	64QAM	10.41	13.77	15.62	15.64
	50	CP	QPSK	12.2	15.32	16.38	16.31
	50	CP	16QAM	11.27	14.31	15.84	15.55
	50	CP	64QAM	8.79	11.69	13.83	13.41
	100	DFT-S	BPSK	14.59	18.78	20.16	20.08
	100	DFT-S	QPSK	16.01	20.2	**21.53**	21.51
	100	DFT-S	16QAM	14.37	18.6	20.8	20.88
	100	DFT-S	64QAM	12.18	16.66	18.86	18.82
	100	CP	QPSK	13.65	17.98	19.6	19.55
	100	CP	16QAM	13.17	16.98	19.05	18.73
	100	CP	64QAM	10.55	14.4	17.13	16.66

NR Band n258b Module 0 AG0 (Beam ID: 20) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Highest	50	DFT-S	BPSK	14.32	16.02	18.12	17.91
	50	DFT-S	QPSK	15.67	16.94	19.48	19.28
	50	DFT-S	16QAM	14.23	15.4	18.39	18.36
	50	DFT-S	64QAM	12.27	13.24	16.47	16.29
	50	CP	QPSK	13.72	14.74	17.24	16.9
	50	CP	16QAM	11.91	13.65	16.67	16.07
	50	CP	64QAM	9.41	11.05	14.7	13.89
	100	DFT-S	BPSK	12.42	16.36	18.32	17.83
	100	DFT-S	QPSK	13.77	17.7	19.63	19.2
	100	DFT-S	16QAM	12.28	16.25	19.02	18.61
	100	DFT-S	64QAM	10.3	14.25	17.06	16.65
	100	CP	QPSK	11.88	15.51	17.76	17.18
	100	CP	16QAM	11.15	14.42	17.23	16.34
	100	CP	64QAM	8.51	11.87	15.25	14.29

NR Band n258b Module 0 AG1 (Beam ID: 146) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Lowest	50	DFT-S	BPSK	11.72	14.66	16.47	16.24
	50	DFT-S	QPSK	13.02	16.09	17.77	17.7
	50	DFT-S	16QAM	11.52	14.62	17.08	17.17
	50	DFT-S	64QAM	9.49	12.43	15.28	15.18
	50	CP	QPSK	11.03	13.85	16.03	15.8
	50	CP	16QAM	9.93	12.72	15.4	14.99
	50	CP	64QAM	7.49	10.18	13.3	12.72
	100	DFT-S	BPSK	11.93	15.75	17.68	17.34
	100	DFT-S	QPSK	13.21	17.11	18.96	18.69
	100	DFT-S	16QAM	11.56	15.63	18.36	18.18
	100	DFT-S	64QAM	9.63	13.51	16.44	16.2
	100	CP	QPSK	11.05	14.76	17.18	16.93
	100	CP	16QAM	9.93	13.52	16.62	16.05
	100	CP	64QAM	7.23	10.92	14.5	13.83

NR Band n258b Module 0 AG1 (Beam ID: 146) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Middle	50	DFT-S	BPSK	10.67	13.11	14.45	14.21
	50	DFT-S	QPSK	12.08	14.47	15.82	15.63
	50	DFT-S	16QAM	10.54	13.08	15.23	15.27
	50	DFT-S	64QAM	8.39	10.94	13.47	13.27
	50	CP	QPSK	9.94	12.17	14.18	13.94
	50	CP	16QAM	9.23	11.36	13.57	13.15
	50	CP	64QAM	6.73	8.81	11.38	10.74
	100	DFT-S	BPSK	11.02	15.56	16.87	16.91
	100	DFT-S	QPSK	12.41	16.89	18.4	18.48
	100	DFT-S	16QAM	10.81	15.43	18.16	17.83
	100	DFT-S	64QAM	8.66	13.42	16.2	15.93
	100	CP	QPSK	10.38	14.85	16.74	16.89
	100	CP	16QAM	9.73	13.96	15.84	15.96
	100	CP	64QAM	7.13	11.39	13.85	13.6

NR Band n258b Module 0 AG1 (Beam ID: 146) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Highest	50	DFT-S	BPSK	13.17	15.53	16.95	16.77
	50	DFT-S	QPSK	14.45	16.96	18.3	18.23
	50	DFT-S	16QAM	13.1	15.43	18.03	17.8
	50	DFT-S	64QAM	11.59	13.36	16.52	15.81
	50	CP	QPSK	12.24	14.66	16.65	16.56
	50	CP	16QAM	11.63	13.85	16.09	15.68
	50	CP	64QAM	9.09	11.2	13.86	13.25
	100	DFT-S	BPSK	13.55	18.13	18.56	18.37
	100	DFT-S	QPSK	13.81	19.51	**19.97**	19.81
	100	DFT-S	16QAM	13.55	17.65	19.75	19.25
	100	DFT-S	64QAM	11.94	15.61	18.12	17.35
	100	CP	QPSK	12.96	17.23	18.39	18.17
	100	CP	16QAM	12.12	16.28	17.74	17.35
	100	CP	64QAM	9.45	13.61	15.51	14.98

NR Band n258b Module 0 AG0+1 (Beam ID: 20+146) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Lowest	50	CP	QPSK	13.16	15.7	18.04	17.39
	50	CP	16QAM	12.02	14.73	16.91	16.91
	50	CP	64QAM	9.2	12.3	14.58	14.8
	100	CP	QPSK	12.95	15.98	18.79	18.58
	100	CP	16QAM	11.21	14.95	17.46	17.71
	100	CP	64QAM	8.52	12.76	15.57	15.46

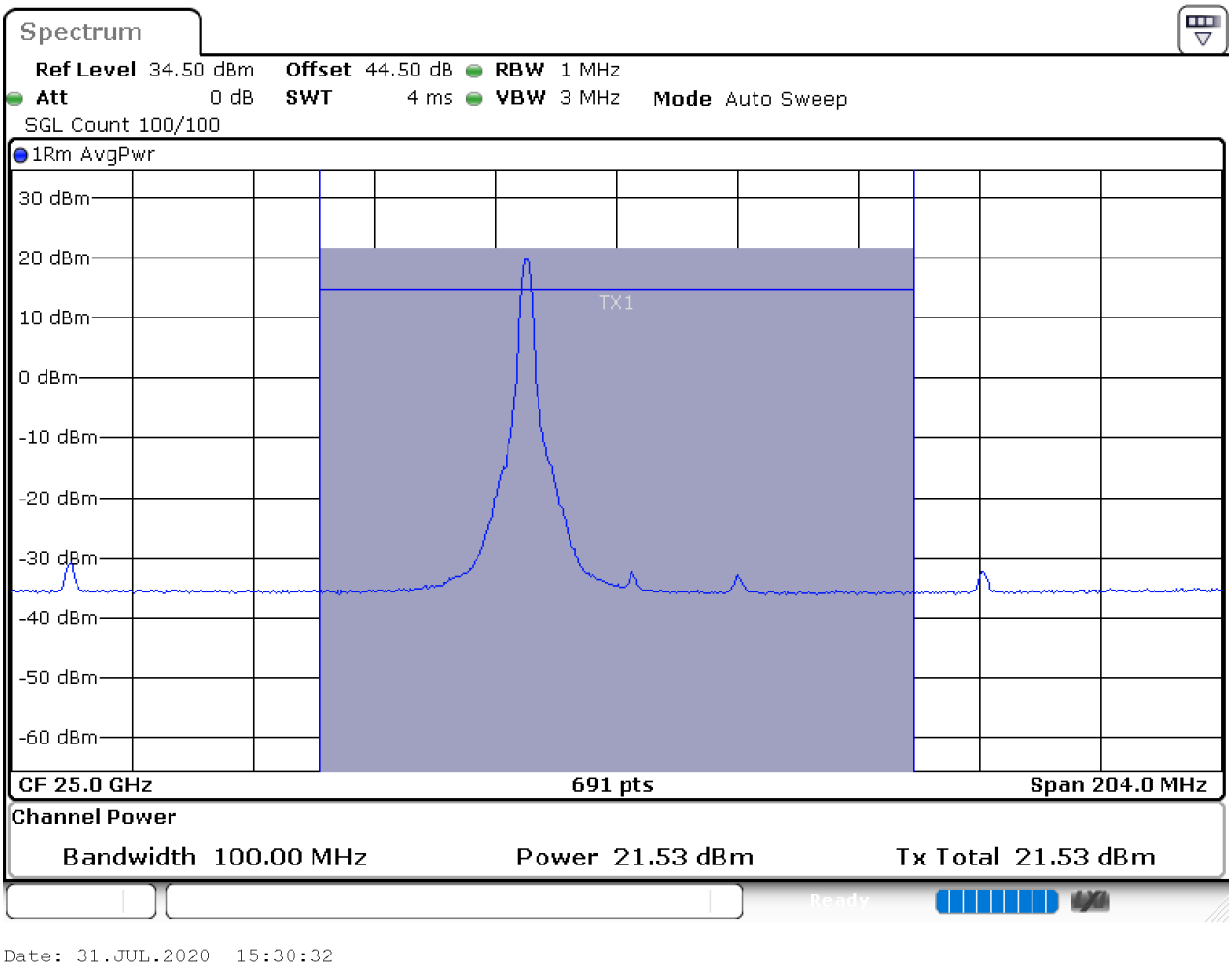
NR Band n258b Module 0 AG0+1 (Beam ID: 20+146) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Middle	50	CP	QPSK	12.75	14.33	16.31	16.19
	50	CP	16QAM	11.06	13.46	15.42	15.36
	50	CP	64QAM	8.92	11.03	13.78	13.08
	100	CP	QPSK	12.9	16.72	18.99	18.93
	100	CP	16QAM	11.43	15.72	17.81	17.96
	100	CP	64QAM	8.61	13.03	16.15	16

NR Band n258b Module 0 AG0+1 (Beam ID: 20+146) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Highest	50	CP	QPSK	14.95	16.49	18.25	18.37
	50	CP	16QAM	13.72	15.42	17.7	17.48
	50	CP	64QAM	11.44	12.92	15.97	15.18
	100	CP	QPSK	13.75	17.52	**20.49**	19.5
	100	CP	16QAM	12.75	16.5	19.13	18.6
	100	CP	64QAM	10.34	13.95	17.44	16.63

NR Band n258b 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

= 40.5 + 1.8 + 107 + 20log(1) – 104.8

= 44.5 (dB)

NR Band n258b Module 1

NR Band n258a Module 1 AG0 (Beam ID: 23) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Lowest	50	DFT-S	BPSK	13.93	15.98	18.58	18.15
	50	DFT-S	QPSK	15.69	17.26	19.88	19.43
	50	DFT-S	16QAM	14.03	15.72	18.55	17.78
	50	DFT-S	64QAM	12.34	13.9	16.07	15.92
	50	CP	QPSK	13.62	15.2	17.04	16.56
	50	CP	16QAM	12.77	14.27	16.17	15.77
	50	CP	64QAM	10.04	11.89	14.17	13.84
	100	DFT-S	BPSK	12.66	16.29	17.28	17.59
	100	DFT-S	QPSK	14.02	17.5	18.65	19.41
	100	DFT-S	16QAM	12.38	15.99	17.85	18.17
	100	DFT-S	64QAM	10.74	14.18	16.24	16.17
	100	CP	QPSK	12.04	15.33	16.76	16.95
	100	CP	16QAM	11.25	14.39	16.12	16.19
	100	CP	64QAM	8.44	11.97	13.87	14.17

NR Band n258a Module 1 AG0 (Beam ID: 23) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Middle	50	DFT-S	BPSK	14.89	17.36	18.82	18.7
	50	DFT-S	QPSK	16.12	18.74	**20.13**	19.97
	50	DFT-S	16QAM	14.58	17.11	19.45	19.39
	50	DFT-S	64QAM	12.7	15.02	17.86	17.48
	50	CP	QPSK	14.1	16.41	18.23	18.01
	50	CP	16QAM	13.06	15.28	17.7	17.32
	50	CP	64QAM	10.26	12.83	15.29	15.13
	100	DFT-S	BPSK	13.69	17.45	18.8	18.7
	100	DFT-S	QPSK	14.97	18.52	20.07	20.03
	100	DFT-S	16QAM	13.36	17.16	19.36	19.45
	100	DFT-S	64QAM	11.49	15.14	17.78	17.49
	100	CP	QPSK	12.94	16.32	18.05	17.97
	100	CP	16QAM	11.79	15.18	17.48	17.28
	100	CP	64QAM	9.01	12.75	15.1	15.1

NR Band n258a Module 1 AG0 (Beam ID: 23) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Highest	50	DFT-S	BPSK	14.42	16.61	18.15	17.84
	50	DFT-S	QPSK	15.58	17.97	19.47	19.04
	50	DFT-S	16QAM	13.99	16.32	18.75	18.62
	50	DFT-S	64QAM	12.14	14.24	17.26	16.65
	50	CP	QPSK	13.52	15.6	17.48	17.12
	50	CP	16QAM	12.52	14.42	17.01	16.4
	50	CP	64QAM	9.71	11.99	14.55	14.25
	100	DFT-S	BPSK	12.8	16.83	18.5	18.23
	100	DFT-S	QPSK	14.17	18.21	19.73	19.53
	100	DFT-S	16QAM	12.54	16.54	19.05	19.04
	100	DFT-S	64QAM	10.6	14.47	17.51	17.08
	100	CP	QPSK	12.01	15.71	17.76	17.54
	100	CP	16QAM	10.98	14.56	17.28	16.84
	100	CP	64QAM	8.1	12.11	14.85	14.61

NR Band n258a Module 1 AG1 (Beam ID: 153) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Lowest	50	DFT-S	BPSK	12.77	15.72	18.01	17.85
	50	DFT-S	QPSK	13.78	17.06	19.39	19.21
	50	DFT-S	16QAM	12.05	15.55	17.24	17.54
	50	DFT-S	64QAM	10.59	13.47	15.8	15.61
	50	CP	QPSK	12.09	16.39	16.69	16.35
	50	CP	16QAM	11.36	15.35	15.93	15.5
	50	CP	64QAM	8.86	15.55	13.78	13.49
	100	DFT-S	BPSK	11.16	15.29	18.27	18.12
	100	DFT-S	QPSK	12.58	16.54	**19.72**	19.46
	100	DFT-S	16QAM	10.55	15.13	17.66	17.8
	100	DFT-S	64QAM	9.11	12.99	16.06	15.82
	100	CP	QPSK	10.48	14.41	16.84	16.6
	100	CP	16QAM	9.5	13.89	16.09	15.74
	100	CP	64QAM	7.17	11.53	14	13.71

NR Band n258a Module 1 AG1 (Beam ID: 153) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Middle	50	DFT-S	BPSK	10.86	12.9	16.2	15.87
	50	DFT-S	QPSK	12.26	14.45	17.55	17.29
	50	DFT-S	16QAM	9.97	12.86	15.65	15.54
	50	DFT-S	64QAM	8.46	10.92	14.16	13.67
	50	CP	QPSK	9.44	12.11	14.75	14.47
	50	CP	16QAM	8.73	10.99	13.89	13.71
	50	CP	64QAM	5.92	8.43	11.98	11.58
	100	DFT-S	BPSK	11.13	15.36	16.89	16.78
	100	DFT-S	QPSK	12.35	16.81	18.25	18.12
	100	DFT-S	16QAM	10.44	15.3	17.38	17.42
	100	DFT-S	64QAM	9.14	13.3	15.95	15.43
	100	CP	QPSK	10.31	14.59	16.42	16.22
	100	CP	16QAM	9.04	13.59	15.74	15.37
	100	CP	64QAM	7.18	11.04	13.74	13.29

NR Band n258a Module 1 AG1 (Beam ID: 153) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Highest	50	DFT-S	BPSK	11.42	13.36	15.06	14.66
	50	DFT-S	QPSK	12.76	14.83	16.31	16.1
	50	DFT-S	16QAM	11.35	13.36	15.63	15.33
	50	DFT-S	64QAM	9.61	11.3	13.76	13.39
	50	CP	QPSK	10.78	12.64	14.23	13.88
	50	CP	16QAM	9.83	11.6	13.48	13.08
	50	CP	64QAM	7.43	9.08	11.61	11.04
	100	DFT-S	BPSK	11.33	15.46	17.22	16.76
	100	DFT-S	QPSK	12.66	16.8	18.44	18.16
	100	DFT-S	16QAM	11.25	15.34	17.77	17.39
	100	DFT-S	64QAM	9.51	13.38	16.12	15.53
	100	CP	QPSK	10.89	14.35	16.67	16.18
	100	CP	16QAM	9.98	13.6	15.84	15.37
	100	CP	64QAM	7.48	11.08	14.04	13.35

NR Band n258a Module 1 AG0+1 (Beam ID: 23+153) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Lowest	50	CP	QPSK	13.01	15.98	17.79	17.83
	50	CP	16QAM	11.43	15.04	16.24	16.86
	50	CP	64QAM	9.9	12.78	15.22	15.02
	100	CP	QPSK	13.38	17.46	**19.25**	18.88
	100	CP	16QAM	11.88	16.44	17.81	18.14
	100	CP	64QAM	10.23	14.08	16.65	16.18

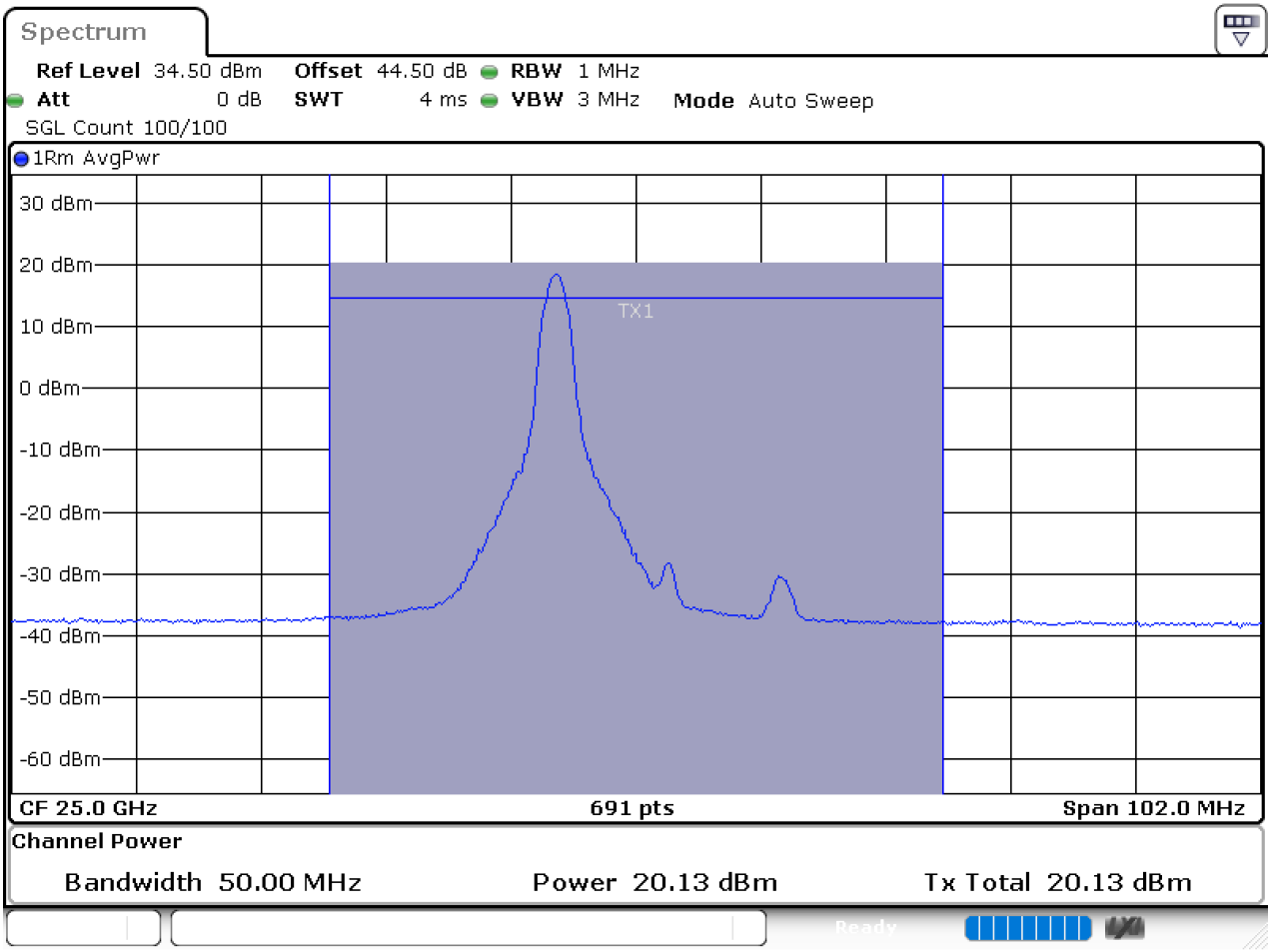
NR Band n258a Module 1 AG0+1 (Beam ID: 23+153) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Middle	50	CP	QPSK	11.42	14.48	15.86	15.96
	50	CP	16QAM	9.75	13.36	14.6	15.14
	50	CP	64QAM	8.04	11.05	13.29	13.14
	100	CP	QPSK	13.22	16.74	18.61	18.21
	100	CP	16QAM	11.74	15.65	17.67	17.61
	100	CP	64QAM	9.56	13.28	15.59	15.5

NR Band n258a Module 1 AG0+1 (Beam ID: 23+153) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Highest	50	CP	QPSK	13.52	15.23	17.27	16.31
	50	CP	16QAM	12.02	14.01	16.35	15.98
	50	CP	64QAM	9.68	11.68	14.31	13.82
	100	CP	QPSK	12.97	16.66	19.09	18.13
	100	CP	16QAM	11.47	15.53	18.16	17.66
	100	CP	64QAM	9.19	13.11	16.07	15.48

NR Band n258a Module 1

EIRP Worst Case Plot

Middle Channel / 50MHz / QPSK / 1RB11 (Module 1)



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

= 40.5 + 1.8 + 107 + 20log(1) – 104.8

= 44.5 (dB)

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	50	DFT-S	**BPSK**	16.18	18.99	21.41	21.3
	50	DFT-S	**QPSK**	17.61	20.3	22.61	22.54
	50	DFT-S	**16QAM**	16.62	19.18	21.16	20.79
	50	DFT-S	**64QAM**	14.77	17.34	19.2	18.83
	50	CP	**QPSK**	15.92	18.58	20.08	18.94
	50	CP	**16QAM**	15.01	17.88	19.06	18.15
	50	CP	**64QAM**	12.99	15.32	17.71	15.66
	100	DFT-S	**BPSK**	14.65	19.08	21.84	21.46
	100	DFT-S	**QPSK**	16.13	20.35	22.88	22.68
	100	DFT-S	**16QAM**	15.21	19.12	21.39	20.9
	100	DFT-S	**64QAM**	13.25	17.23	19.48	18.99
	100	CP	**QPSK**	14.15	18.48	20.19	19.72
	100	CP	**16QAM**	13.29	17.56	19.35	18.89
	100	CP	**64QAM**	11.39	15.15	17.82	16.99

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	50	DFT-S	**BPSK**	17.07	19.58	20.9	21.32
	50	DFT-S	**QPSK**	18.04	21.73	22.26	22.13
	50	DFT-S	**16QAM**	16.61	19.84	20.82	20.36
	50	DFT-S	**64QAM**	14.97	17.56	18.82	18.34
	50	CP	**QPSK**	16.06	18.23	20.03	19.57
	50	CP	**16QAM**	15.23	17.41	19.36	18.76
	50	CP	**64QAM**	12.32	14.85	17.05	16.76
	100	DFT-S	**BPSK**	14.3	18.59	21.3	21.07
	100	DFT-S	**QPSK**	17.01	20.02	22.51	22.68
	100	DFT-S	**16QAM**	14.15	18.53	20.89	20.82
	100	DFT-S	**64QAM**	13.43	16.53	19.08	18.86
	100	CP	**QPSK**	15.16	18.4	20.09	20.1
	100	CP	**16QAM**	14.38	17.6	19.05	19.08
	100	CP	**64QAM**	12.58	15.47	17.68	17.08

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	50	DFT-S	**BPSK**	16.26	18.99	21.59	21.34
	50	DFT-S	**QPSK**	17.81	20.36	22.99	22.71
	50	DFT-S	**16QAM**	16.26	18.88	21.28	20.98
	50	DFT-S	**64QAM**	14.13	16.91	19.05	19
	50	CP	**QPSK**	15.77	18.42	19.94	19.66
	50	CP	**16QAM**	14.6	17.28	18.83	18.73
	50	CP	**64QAM**	12.29	14.77	17.19	16.81
	100	DFT-S	**BPSK**	15.91	18.29	21.21	21.35
	100	DFT-S	**QPSK**	16.64	20.03	22.32	23.41
	100	DFT-S	**16QAM**	15.6	18.29	20.82	21.07
	100	DFT-S	**64QAM**	12.82	16.27	19.13	19.17
	100	CP	**QPSK**	14.76	19.37	20.86	20.69
	100	CP	**16QAM**	13.78	18.04	19.99	19.8
	100	CP	**64QAM**	11.24	15.58	17.92	17.81

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	50	DFT-S	**BPSK**	13.4	16.47	18.96	18.96
	50	DFT-S	**QPSK**	14.91	17.81	20.46	20.26
	50	DFT-S	**16QAM**	14.05	16.5	19.09	18.52
	50	DFT-S	**64QAM**	11.53	14.39	16.65	16.46
	50	CP	**QPSK**	13.16	15.83	17.62	17.45
	50	CP	**16QAM**	12.12	14.86	16.58	16.46
	50	CP	**64QAM**	9.49	12.36	14.36	14.4
	100	DFT-S	**BPSK**	11.57	16.39	19.28	18.92
	100	DFT-S	**QPSK**	12.99	17.82	20.56	20.25
	100	DFT-S	**16QAM**	12.1	16.62	19.25	18.49
	100	DFT-S	**64QAM**	9.54	14.64	16.67	16.47
	100	CP	**QPSK**	11.37	15.83	17.93	17.4
	100	CP	**16QAM**	10.38	14.77	16.49	16.43
	100	CP	**64QAM**	7.61	12.24	14.68	14.32

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	50	DFT-S	**BPSK**	17.43	19.74	22.55	22.06
	50	DFT-S	**QPSK**	18.68	21.16	**24.04**	23.51
	50	DFT-S	**16QAM**	17.56	19.66	22.58	21.61
	50	DFT-S	**64QAM**	15.48	17.91	20.22	19.83
	50	CP	**QPSK**	16.89	19.14	21.26	20.67
	50	CP	**16QAM**	15.89	18.31	20.18	19.78
	50	CP	**64QAM**	13.41	15.92	18.09	14.9
	100	DFT-S	**BPSK**	15.12	19.44	22.09	21.78
	100	DFT-S	**QPSK**	16.51	20.44	23.46	23.24
	100	DFT-S	**16QAM**	15.07	19.19	21.83	21.4
	100	DFT-S	**64QAM**	13.23	17.44	19.65	19.54
	100	CP	**QPSK**	14.69	18.48	20.28	20.05
	100	CP	**16QAM**	13.72	17.82	19.39	19.2
	100	CP	**64QAM**	11.08	15.3	17.32	17

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	50	DFT-S	**BPSK**	15.14	17.67	20.63	20.29
	50	DFT-S	**QPSK**	16.68	19.29	21.63	21.74
	50	DFT-S	**16QAM**	15.3	17.74	20.1	20.03
	50	DFT-S	**64QAM**	13.27	15.69	18.17	17.86
	50	CP	**QPSK**	14.81	16.93	18.48	18.11
	50	CP	**16QAM**	13.63	15.9	17.38	17.25
	50	CP	**64QAM**	11.37	13.44	15.73	15.3
	100	DFT-S	**BPSK**	13.98	17.72	20.27	20.17
	100	DFT-S	**QPSK**	15.44	19.17	21.51	21.66
	100	DFT-S	**16QAM**	14.14	17.75	19.89	19.78
	100	DFT-S	**64QAM**	11.93	15.74	18.06	17.75
	100	CP	**QPSK**	13.59	17.02	20.2	19.82
	100	CP	**16QAM**	12.43	16.23	17.7	19.08
	100	CP	**64QAM**	10.15	13.69	15.98	17

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	50	CP	QPSK	14.79	17.76	19.31	19.51
	50	CP	16QAM	13.41	16.55	18.24	18.52
	50	CP	64QAM	11.47	14	16.66	16.31
	100	CP	QPSK	12.31	17.3	19.38	19.18
	100	CP	16QAM	11.12	16.07	18.15	18.45
	100	CP	64QAM	8.65	13.47	16.44	16.29

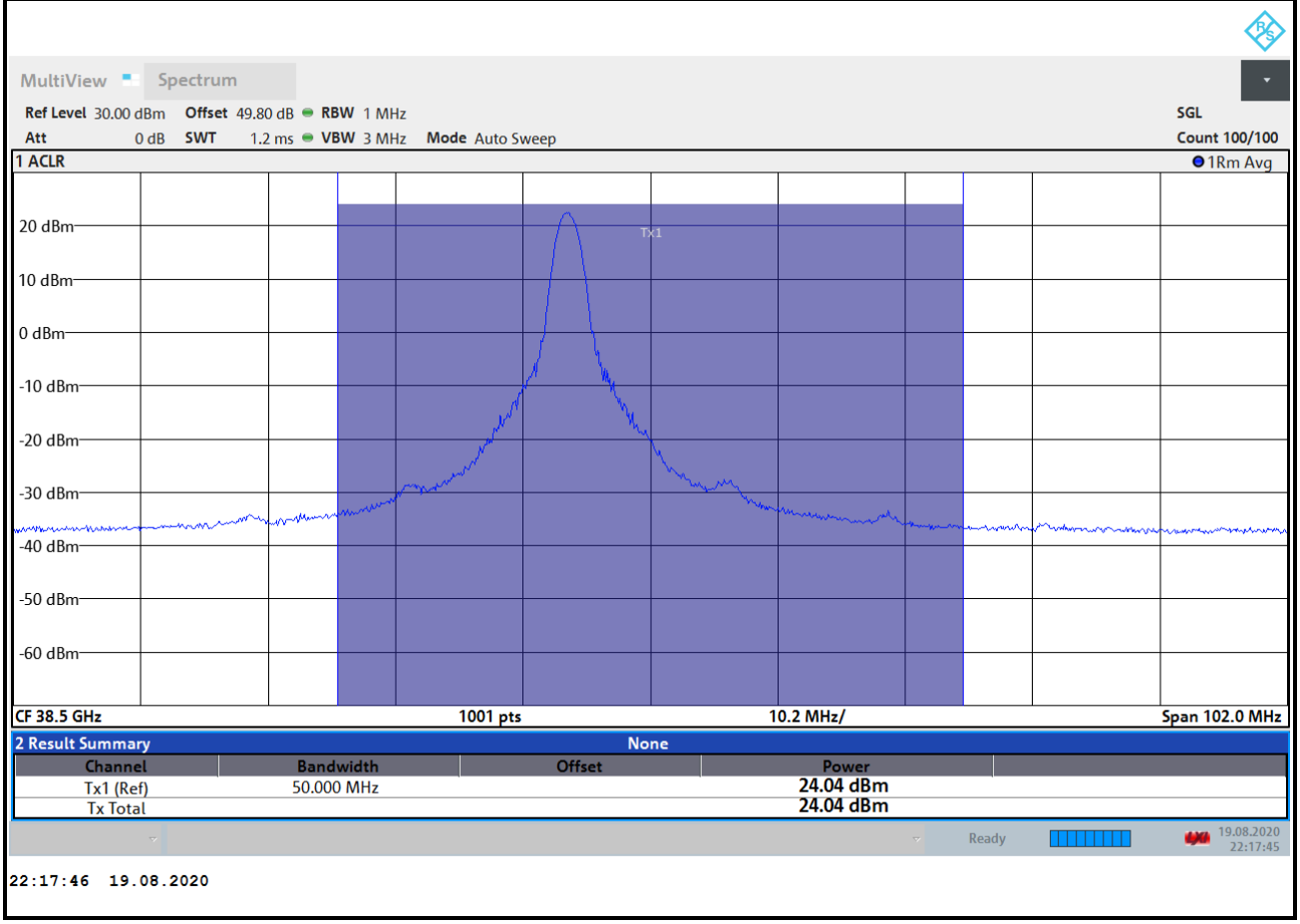
NR Band n260 Module 0 AG0+1 (Beam ID: 27+155) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Middle	50	CP	QPSK	15.81	19.36	20.41	18.2
	50	CP	16QAM	14.51	18.07	19.37	17.33
	50	CP	64QAM	12.46	14.63	17.34	15.22
	100	CP	QPSK	13.66	17.03	18.96	18.35
	100	CP	16QAM	12.7	16.15	18.06	17.58
	100	CP	64QAM	9.9	13.63	15.94	15.49

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	50	CP	QPSK	16.08	18.14	19.87	19.63
	50	CP	16QAM	15.22	18.09	19.1	18.87
	50	CP	64QAM	12.69	14.96	17.18	16.72
	100	CP	QPSK	14.46	18	19.99	19.87
	100	CP	16QAM	13.1	17.05	18.88	18.97
	100	CP	64QAM	10.89	14.67	17.3	16.89

NR Band n260 Module 0

EIRP Worst Case Plot

Middle Channel / 50MHz / QPSK / 1RB11 (Module 0)



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

= 45.1 + 2.5 + 107 + 20log(1) – 104.8

= 49.8 (dB)

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	50	DFT-S	**BPSK**	15.1	17.82	20.49	20.27
	50	DFT-S	**QPSK**	16.55	19.16	21.82	21.58
	50	DFT-S	**16QAM**	15.25	17.8	20.26	19.85
	50	DFT-S	**64QAM**	12.93	15.7	18.31	17.98
	50	CP	**QPSK**	14.06	16.98	18.73	18.54
	50	CP	**16QAM**	13.66	15.88	17.57	17.75
	50	CP	**64QAM**	11.03	13.52	15.91	15.69
	100	DFT-S	**BPSK**	14.25	18.65	21.43	21.18
	100	DFT-S	**QPSK**	16.11	20.02	**22.66**	22.6
	100	DFT-S	**16QAM**	14.32	18.61	20.91	20.84
	100	DFT-S	**64QAM**	12	16.47	18.89	18.89
	100	CP	**QPSK**	14.12	18.42	20.39	20.02
	100	CP	**16QAM**	12.81	17.28	19.54	19.25
	100	CP	**64QAM**	10.7	14.9	17.79	17.17

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	50	DFT-S	**BPSK**	15.56	18.08	20.52	20.14
	50	DFT-S	**QPSK**	16.98	19.44	21.97	21.49
	50	DFT-S	**16QAM**	15.32	17.99	20.03	19.76
	50	DFT-S	**64QAM**	13.5	15.84	18.33	17.7
	50	CP	**QPSK**	15.12	17.4	19.29	18.86
	50	CP	**16QAM**	14.13	16.51	18.27	17.96
	50	CP	**64QAM**	11.78	14	16.71	13.27
	100	DFT-S	**BPSK**	12.84	16.98	19.56	19.32
	100	DFT-S	**QPSK**	14.18	18.39	20.87	20.66
	100	DFT-S	**16QAM**	12.78	16.84	19.27	18.9
	100	DFT-S	**64QAM**	10.66	14.76	17.09	17.14
	100	CP	**QPSK**	13.17	16.73	18.42	17.64
	100	CP	**16QAM**	11.91	15.79	17.75	16.88
	100	CP	**64QAM**	9.25	13.23	15.41	15.06

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	50	DFT-S	**BPSK**	12.95	15.58	18	17.72
	50	DFT-S	**QPSK**	14.41	16.95	19.36	19.08
	50	DFT-S	**16QAM**	12.81	15.25	17.92	17.52
	50	DFT-S	**64QAM**	10.6	13.45	15.49	15.41
	50	CP	**QPSK**	12.01	14.59	16.28	13.03
	50	CP	**16QAM**	11.18	13.54	15.41	12.01
	50	CP	**64QAM**	8.33	11	13.11	10.13
	100	DFT-S	**BPSK**	11.4	15.92	18.35	18.27
	100	DFT-S	**QPSK**	12.91	17.25	19.71	19.65
	100	DFT-S	**16QAM**	11.44	15.57	18.2	17.91
	100	DFT-S	**64QAM**	9.16	13.79	15.92	15.91
	100	CP	**QPSK**	10.72	14.77	17.05	17.03
	100	CP	**16QAM**	9.82	13.76	16.47	16.18
	100	CP	**64QAM**	7.01	11.79	14.14	14.11

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	50	DFT-S	**BPSK**	13.86	16.68	18.95	18.9
	50	DFT-S	**QPSK**	15.13	17.97	20.29	20.16
	50	DFT-S	**16QAM**	13.56	16.33	18.73	18.52
	50	DFT-S	**64QAM**	11.51	14.33	16.9	16.52
	50	CP	**QPSK**	13.8	15.21	16.55	16.54
	50	CP	**16QAM**	11.46	15.2	16.09	15.69
	50	CP	**64QAM**	10.58	12.91	14.24	13.81
	100	DFT-S	**BPSK**	12.91	17.56	19.97	19.99
	100	DFT-S	**QPSK**	14.46	18.88	21.57	21.24
	100	DFT-S	**16QAM**	13.09	17.28	20.15	19.52
	100	DFT-S	**64QAM**	10.69	15.37	18.02	17.69
	100	CP	**QPSK**	12.39	16.75	18.72	18.37
	100	CP	**16QAM**	11.4	15.76	18.2	17.56
	100	CP	**64QAM**	8.53	13.36	15.81	15.52

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	50	DFT-S	**BPSK**	14.35	16.9	19.33	19.09
	50	DFT-S	**QPSK**	16.02	18.28	20.8	20.44
	50	DFT-S	**16QAM**	14.73	16.9	19.22	18.76
	50	DFT-S	**64QAM**	12.13	14.69	16.93	16.75
	50	CP	**QPSK**	13.86	16.25	17.85	15.08
	50	CP	**16QAM**	12.91	15.26	17.18	14.16
	50	CP	**64QAM**	10.17	12.73	14.71	12.12
	100	DFT-S	**BPSK**	11.24	15.35	17.64	17.42
	100	DFT-S	**QPSK**	12.56	16.69	19.05	18.9
	100	DFT-S	**16QAM**	11.15	15.29	17.12	17.07
	100	DFT-S	**64QAM**	9.41	13.28	15.65	15.09
	100	CP	**QPSK**	10.76	14.87	16.49	16.26
	100	CP	**16QAM**	9.56	13.76	15.71	15.49
	100	CP	**64QAM**	8.36	11.2	13.75	13.53

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	50	DFT-S	**BPSK**	12.07	14.24	16.74	16.52
	50	DFT-S	**QPSK**	13.66	15.59	18.18	17.86
	50	DFT-S	**16QAM**	12.33	14.24	16.46	16.17
	50	DFT-S	**64QAM**	10.08	12.15	14.5	14.12
	50	CP	**QPSK**	11.33	13.49	15.19	14.76
	50	CP	**16QAM**	10.6	12.54	14.46	13.76
	50	CP	**64QAM**	7.6	9.93	12.02	11.83
	100	DFT-S	**BPSK**	11.72	15.39	17.53	18.61
	100	DFT-S	**QPSK**	13.4	16.74	19.05	18.61
	100	DFT-S	**16QAM**	11.83	15.22	17.41	16.77
	100	DFT-S	**64QAM**	9.72	13.11	15.28	14.91
	100	CP	**QPSK**	11.18	15.5	16.11	15.85
	100	CP	**16QAM**	10.5	13.58	15.36	14.83
	100	CP	**64QAM**	7.21	10.98	12.97	12.84

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	50	CP	QPSK	14.46	17.21	18.85	16.25
	50	CP	16QAM	13.11	16.24	18.07	15.48
	50	CP	64QAM	11.1	13.79	15.99	13.34
	100	CP	QPSK	12.93	17.2	19.08	18.98
	100	CP	16QAM	11.71	16.24	18.57	18.09
	100	CP	64QAM	9.68	13.89	16.21	16.14

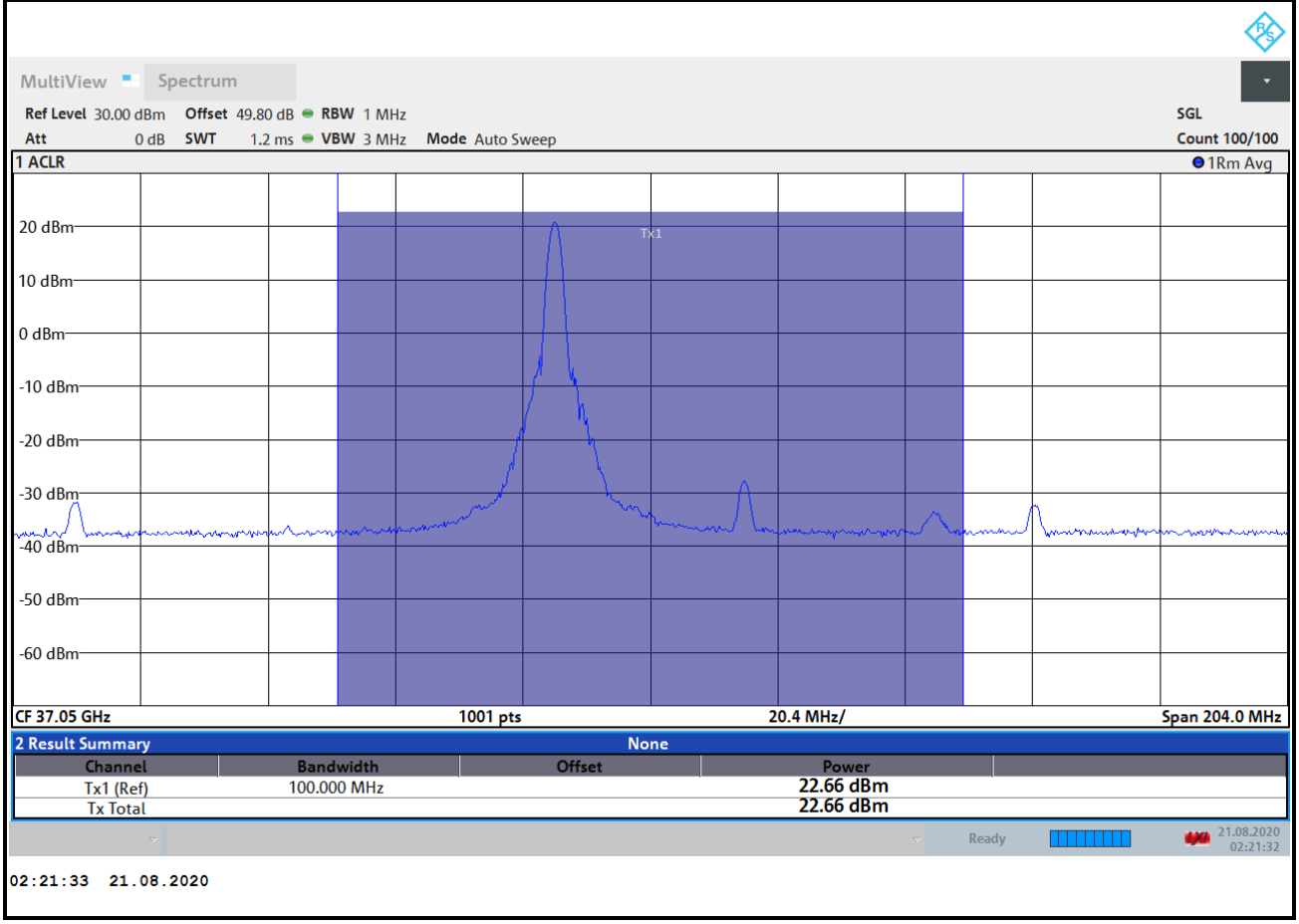
NR Band n260 Module 1 AG0+1 (Beam ID: 13+142) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Middle	50	CP	QPSK	14.22	16.91	18.21	18.15
	50	CP	16QAM	13.48	19.38	17.96	17.39
	50	CP	64QAM	11.23	13.48	15.5	15.36
	100	CP	QPSK	13.42	17.81	19.35	19.29
	100	CP	16QAM	12.93	16.95	18.72	18.51
	100	CP	64QAM	10.23	14.36	16.83	16.47

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	50	CP	QPSK	11.38	13.51	15.15	14.72
	50	CP	16QAM	10.61	12.4	14.14	13.72
	50	CP	64QAM	7.21	9.95	12.03	12.04
	100	CP	QPSK	12.35	15.68	16.73	16.78
	100	CP	16QAM	11.59	14.6	16.4	15.61
	100	CP	64QAM	8.61	12.08	13.98	13.96

NR Band n260 Module 1

EIRP Worst Case Plot

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



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

= 45.1 + 2.5 + 107 + 20log(1) – 104.8

= 49.8 (dB)

NR Band n261 Module 0

NR Band n261 Module 0 AG0 (Beam ID: 26) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Lowest	50	DFT-S	**BPSK**	14.51	16.58	18.28	17.81
	50	DFT-S	**QPSK**	15.81	17.95	19.5	19.1
	50	DFT-S	**16QAM**	14.58	16.45	18.95	18.42
	50	DFT-S	**64QAM**	12.57	14.43	17.06	16.64
	50	CP	**QPSK**	13.88	15.69	17.53	17.02
	50	CP	**16QAM**	12.71	14.71	16.69	16.2
	50	CP	**64QAM**	10.41	12.38	14.96	14.24
	100	DFT-S	**BPSK**	14.28	17.27	19.11	18.54
	100	DFT-S	**QPSK**	15.61	18.6	**20.4**	19.87
	100	DFT-S	**16QAM**	14.25	17.06	19.82	19.15
	100	DFT-S	**64QAM**	12.33	15.18	17.99	17.26
	100	CP	**QPSK**	13.65	16.26	18.51	17.77
	100	CP	**16QAM**	12.48	15.33	17.53	16.97
	100	CP	**64QAM**	10.19	12.84	15.87	15.02

NR Band n261 Module 0 AG0 (Beam ID: 26) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Middle	50	DFT-S	**BPSK**	13.89	15.84	17.59	17.13
	50	DFT-S	**QPSK**	15.25	17.18	18.87	18.42
	50	DFT-S	**16QAM**	14.04	15.71	18.29	17.67
	50	DFT-S	**64QAM**	12.21	13.49	16.73	15.76
	50	CP	**QPSK**	12.2	13.95	15.77	15.24
	50	CP	**16QAM**	11.04	12.99	14.76	14.44
	50	CP	**64QAM**	8.77	10.56	13.15	12.45
	100	DFT-S	**BPSK**	12.37	15.96	17.13	16.79
	100	DFT-S	**QPSK**	13.64	17.28	18.43	18.12
	100	DFT-S	**16QAM**	12.36	15.69	17.9	17.4
	100	DFT-S	**64QAM**	10.35	13.75	15.95	15.53
	100	CP	**QPSK**	11.62	15.22	16.88	16.59
	100	CP	**16QAM**	10.49	14.21	16.06	15.78
	100	CP	**64QAM**	8.13	11.55	14.33	13.82

NR Band n261 Module 0 AG0 (Beam ID: 26) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Highest	50	DFT-S	**BPSK**	14.58	16.55	18	17.6
	50	DFT-S	**QPSK**	16.03	17.86	19.27	18.93
	50	DFT-S	**16QAM**	14.8	16.59	18.83	18.17
	50	DFT-S	**64QAM**	13.07	14.56	17.16	16.17
	50	CP	**QPSK**	12.07	13.13	15.4	15.35
	50	CP	**16QAM**	11.59	12.46	14.45	14.53
	50	CP	**64QAM**	9.03	10	13.03	12.5
	100	DFT-S	**BPSK**	10.76	14.71	16.12	16.06
	100	DFT-S	**QPSK**	12.22	16.11	17.48	17.44
	100	DFT-S	**16QAM**	10.94	14.31	16.52	16.21
	100	DFT-S	**64QAM**	9.05	12.66	14.67	14.29
	100	CP	**QPSK**	10.08	14.96	15.04	15.1
	100	CP	**16QAM**	9.04	13.87	14.15	14.34
	100	CP	**64QAM**	7.02	11.43	12.68	12.22

NR Band n261 Module 0 AG1 (Beam ID: 156) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Lowest	50	DFT-S	**BPSK**	12.64	15.32	16.98	16.85
	50	DFT-S	**QPSK**	14.18	16.81	18.28	18.36
	50	DFT-S	**16QAM**	12.79	15.25	17.58	17.54
	50	DFT-S	**64QAM**	10.91	13.32	15.79	15.47
	50	CP	**QPSK**	12.06	14.22	15.72	15.45
	50	CP	**16QAM**	11.11	13.34	14.84	14.65
	50	CP	**64QAM**	8.67	10.9	13.14	12.74
	100	DFT-S	**BPSK**	10.99	14.95	15.99	16.27
	100	DFT-S	**QPSK**	12.69	16.31	17.35	17.71
	100	DFT-S	**16QAM**	11.17	14.83	16.68	16.85
	100	DFT-S	**64QAM**	9.36	12.98	14.76	14.9
	100	CP	**QPSK**	10.92	14.42	15.73	16.07
	100	CP	**16QAM**	9.73	13.52	14.82	15.1
	100	CP	**64QAM**	7.52	11.09	13.06	13.06

NR Band n261 Module 0 AG1 (Beam ID: 156) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Middle	50	DFT-S	**BPSK**	10.53	13.01	14.7	14.4
	50	DFT-S	**QPSK**	11.84	14.42	15.89	15.78
	50	DFT-S	**16QAM**	10.15	12.93	15.14	15.01
	50	DFT-S	**64QAM**	8.5	10.91	13.4	12.97
	50	CP	**QPSK**	9.65	11.83	13.72	13.21
	50	CP	**16QAM**	8.15	10.87	12.62	12.39
	50	CP	**64QAM**	6.18	8.45	11.02	10.49
	100	DFT-S	**BPSK**	9.83	13.36	14.92	14.64
	100	DFT-S	**QPSK**	10.9	14.71	16.18	15.99
	100	DFT-S	**16QAM**	9.26	13.18	15.39	15.2
	100	DFT-S	**64QAM**	7.49	11.22	13.69	13.23
	100	CP	**QPSK**	8.98	12.43	14.14	13.78
	100	CP	**16QAM**	7.63	11.48	12.99	12.94
	100	CP	**64QAM**	5.85	9.12	11.57	11.03

NR Band n261 Module 0 AG1 (Beam ID: 156) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Highest	50	DFT-S	**BPSK**	15.15	16.67	18.07	17.59
	50	DFT-S	**QPSK**	16.35	18	19.25	18.91
	50	DFT-S	**16QAM**	15.07	16.7	18.89	18.2
	50	DFT-S	**64QAM**	13.35	14.73	17.22	16.27
	50	CP	**QPSK**	14.28	16.06	17.47	17.14
	50	CP	**16QAM**	13.75	15.22	16.91	16.28
	50	CP	**64QAM**	11.22	12.81	14.84	14.29
	100	DFT-S	**BPSK**	12.53	15.53	17.53	16.87
	100	DFT-S	**QPSK**	13.9	16.82	18.69	18.26
	100	DFT-S	**16QAM**	12.66	15.5	18.33	17.41
	100	DFT-S	**64QAM**	10.92	13.53	16.54	15.57
	100	CP	**QPSK**	11.82	14.79	16.91	16.31
	100	CP	**16QAM**	11.3	13.92	16.38	15.45
	100	CP	**64QAM**	8.78	11.52	14.27	13.41

NR Band n261 Module 0 AG0+1 (Beam ID: 26+156) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Lowest	50	CP	QPSK	12.17	15.03	16.9	17.3
	50	CP	16QAM	10.84	14.2	15.52	17.29
	50	CP	64QAM	8.62	11.72	13.8	15.71
	100	CP	QPSK	12.63	14.73	18.52	17.77
	100	CP	16QAM	12.22	14.76	17.22	16.85
	100	CP	64QAM	11.55	13.8	15.7	15.04

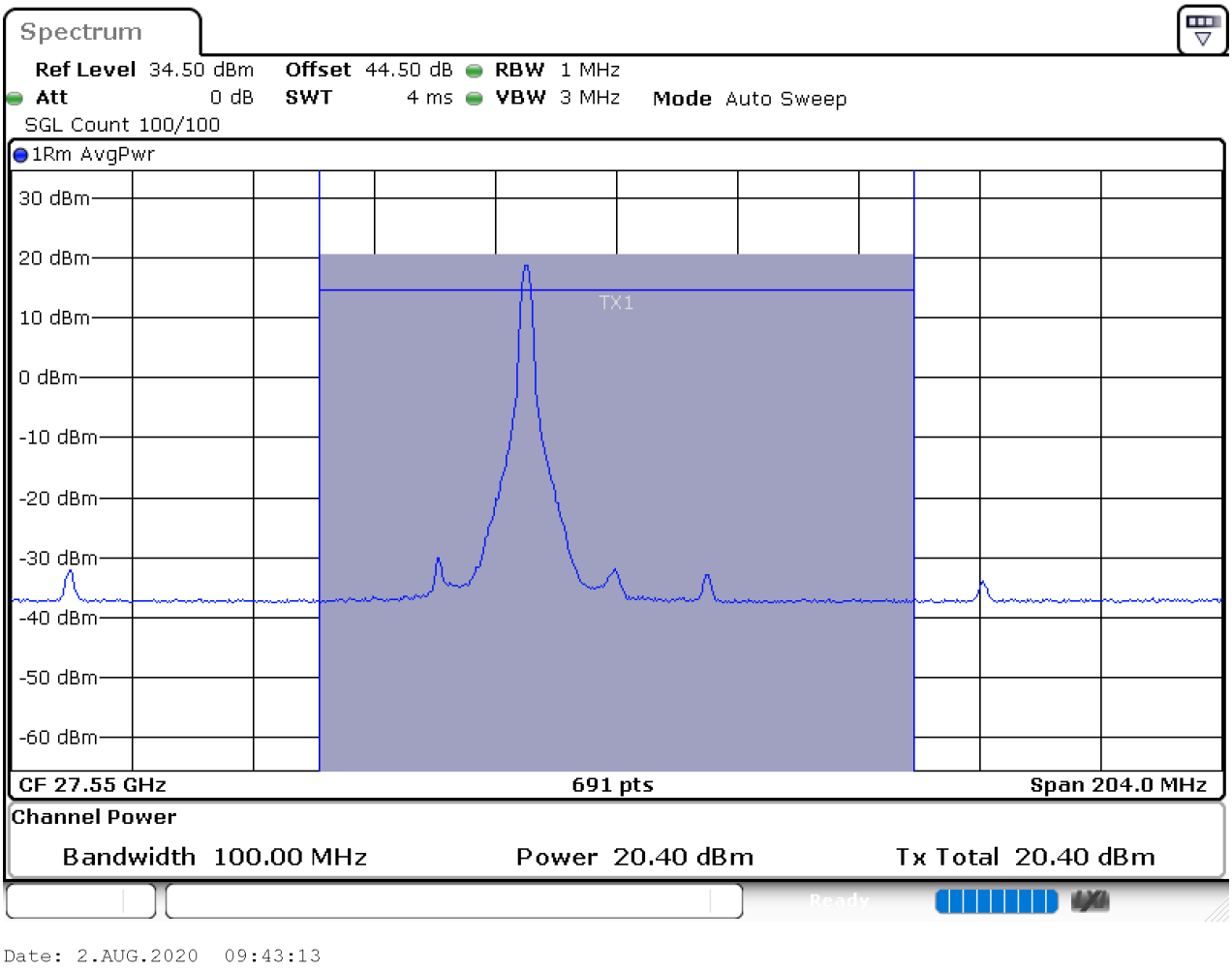
NR Band n261 Module 0 AG0+1 (Beam ID: 26+156) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Middle	50	CP	QPSK	12.72	14.81	16.89	16.52
	50	CP	16QAM	11.46	13.9	15.64	15.77
	50	CP	64QAM	9.05	11.31	13.91	13.6
	100	CP	QPSK	11.33	14.68	17.28	16.82
	100	CP	16QAM	9.88	13.7	16.03	15.87
	100	CP	64QAM	7.52	11.2	14.18	13.87

NR Band n261 Module 0 AG0+1 (Beam ID: 26+156) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Highest	50	CP	QPSK	10.65	12.57	14.23	14.26
	50	CP	16QAM	9.38	11.79	13.05	13.53
	50	CP	64QAM	7.17	9.46	11.34	11.2
	100	CP	QPSK	10.15	12.28	14.31	14.01
	100	CP	16QAM	8.88	11.37	12.94	12.93
	100	CP	64QAM	6.73	9.01	11.84	11.05

NR Band n261 Module 0

EIRP Worst Case Plot

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



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

= 40.5 + 1.8 + 107 + 20log(1) – 104.8

= 44.5 (dB)

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	50	DFT-S	**BPSK**	17.25	19.2	20.84	20.27
	50	DFT-S	**QPSK**	18.68	20.37	**21.95**	21.04
	50	DFT-S	**16QAM**	17.31	18.98	19.72	20.81
	50	DFT-S	**64QAM**	15.28	17.05	19.7	19.18
	50	CP	**QPSK**	14.35	16.14	18.01	17.59
	50	CP	**16QAM**	13.49	15.19	17.29	16.82
	50	CP	**64QAM**	10.99	12.72	15.26	14.77
	100	DFT-S	**BPSK**	16.28	19.41	21.02	19.44
	100	DFT-S	**QPSK**	17.76	20.59	21.28	20.62
	100	DFT-S	**16QAM**	16.3	19.24	21.01	20.01
	100	DFT-S	**64QAM**	14.21	17.33	19.82	18.26
	100	CP	**QPSK**	15.7	18.5	19.63	18.83
	100	CP	**16QAM**	14.78	17.46	19.09	18.08
	100	CP	**64QAM**	12.15	17.01	16.72	16.14

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	50	DFT-S	**BPSK**	12.06	14.56	16.25	16.09
	50	DFT-S	**QPSK**	13.49	15.95	17.34	17.51
	50	DFT-S	**16QAM**	12.18	14.45	17.19	16.88
	50	DFT-S	**64QAM**	9.84	12.4	14.94	14.99
	50	CP	**QPSK**	10.9	13.19	14.78	14.54
	50	CP	**16QAM**	9.84	12.16	14.09	13.75
	50	CP	**64QAM**	7.46	9.83	12.07	11.7
	100	DFT-S	**BPSK**	12.72	15.86	17.61	17.24
	100	DFT-S	**QPSK**	14.14	17.67	18.89	18.52
	100	DFT-S	**16QAM**	12.46	16	18.43	17.95
	100	DFT-S	**64QAM**	10.61	13.73	16.76	15.92
	100	CP	**QPSK**	11.85	15.25	17.29	16.8
	100	CP	**16QAM**	10.39	14.28	16.11	15.89
	100	CP	**64QAM**	8.08	11.89	14.25	13.92

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	50	DFT-S	**BPSK**	11.58	14.81	16.15	16.1
	50	DFT-S	**QPSK**	12.88	16.16	17.38	17.46
	50	DFT-S	**16QAM**	11.45	14.51	17.02	16.94
	50	DFT-S	**64QAM**	9.66	12.57	15.19	14.78
	50	CP	**QPSK**	10.74	13.77	15.48	15.49
	50	CP	**16QAM**	9.58	12.82	14.36	14.57
	50	CP	**64QAM**	7.46	10.44	12.73	12.53
	100	DFT-S	**BPSK**	13.84	19.27	18.08	17.35
	100	DFT-S	**QPSK**	15.36	20.62	19.3	18.59
	100	DFT-S	**16QAM**	13.95	19.04	18.87	18.01
	100	DFT-S	**64QAM**	11.93	17.03	16.93	16.15
	100	CP	**QPSK**	16.38	18.29	17.59	16.76
	100	CP	**16QAM**	15.5	17.38	17.04	15.95
	100	CP	**64QAM**	12.74	15.05	14.69	13.95

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	50	DFT-S	**BPSK**	14.54	16.55	18.21	17.72
	50	DFT-S	**QPSK**	16.01	17.8	19.28	18.93
	50	DFT-S	**16QAM**	14.6	16.46	18.9	18.38
	50	DFT-S	**64QAM**	12.66	14.5	16.98	16.7
	50	CP	**QPSK**	11.56	15.19	14.85	14.44
	50	CP	**16QAM**	10.42	10.04	13.68	13.52
	50	CP	**64QAM**	8.48	10.02	12.33	11.8
	100	DFT-S	**BPSK**	15.33	17.8	19.3	18.48
	100	DFT-S	**QPSK**	16.7	18.99	20.5	19.66
	100	DFT-S	**16QAM**	15.38	17.56	20.03	19.09
	100	DFT-S	**64QAM**	13.26	15.65	18.22	17.29
	100	CP	**QPSK**	14.69	16.88	18.89	17.99
	100	CP	**16QAM**	13.97	16.02	18.24	17.14
	100	CP	**64QAM**	11.16	13.66	16.03	15.18

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	50	DFT-S	**BPSK**	13.09	15.31	16.61	16.32
	50	DFT-S	**QPSK**	14.31	16.54	17.69	17.6
	50	DFT-S	**16QAM**	12.65	15.09	16.83	16.83
	50	DFT-S	**64QAM**	10.79	13.11	15.19	14.93
	50	CP	**QPSK**	11.61	14.53	15.97	15.63
	50	CP	**16QAM**	11.06	13.65	14.89	14.78
	50	CP	**64QAM**	9.09	11.13	13.5	13.03
	100	DFT-S	**BPSK**	11.86	15.87	16.83	16.58
	100	DFT-S	**QPSK**	13.09	16.56	17.94	17.86
	100	DFT-S	**16QAM**	11.32	15.16	17.09	17.08
	100	DFT-S	**64QAM**	9.49	13.24	15.43	15.16
	100	CP	**QPSK**	10.99	14.41	16.19	15.92
	100	CP	**16QAM**	9.73	13.47	15.1	15.08
	100	CP	**64QAM**	7.71	11.13	13.72	13.22

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	50	DFT-S	**BPSK**	11.39	14.16	16.05	15.79
	50	DFT-S	**QPSK**	12.75	15.44	17.25	17.13
	50	DFT-S	**16QAM**	10.98	14	15.84	15.85
	50	DFT-S	**64QAM**	9.26	12.08	14.24	13.95
	50	CP	**QPSK**	10.98	13.42	14.99	14.71
	50	CP	**16QAM**	9.85	12.53	13.92	13.84
	50	CP	**64QAM**	7.86	10.13	12.55	12.13
	100	DFT-S	**BPSK**	14.32	16.6	18.43	17.79
	100	DFT-S	**QPSK**	15.78	17.94	19.78	19
	100	DFT-S	**16QAM**	14.45	16.56	19.39	18.4
	100	DFT-S	**64QAM**	12.33	14.61	17.34	16.53
	100	CP	**QPSK**	9.95	13.55	15.6	15.28
	100	CP	**16QAM**	8.76	12.76	14.5	14.44
	100	CP	**64QAM**	6.69	10.39	13.14	12.55

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	50	CP	QPSK	13.21	14.85	16.77	16.33
	50	CP	16QAM	12.44	14.07	16.07	15.4
	50	CP	64QAM	9.2	11.72	13.55	13.49
	100	CP	QPSK	13.56	15.4	17.37	17.2
	100	CP	16QAM	12.33	14.48	16.45	16.36
	100	CP	64QAM	10.39	12.05	14.61	13.83

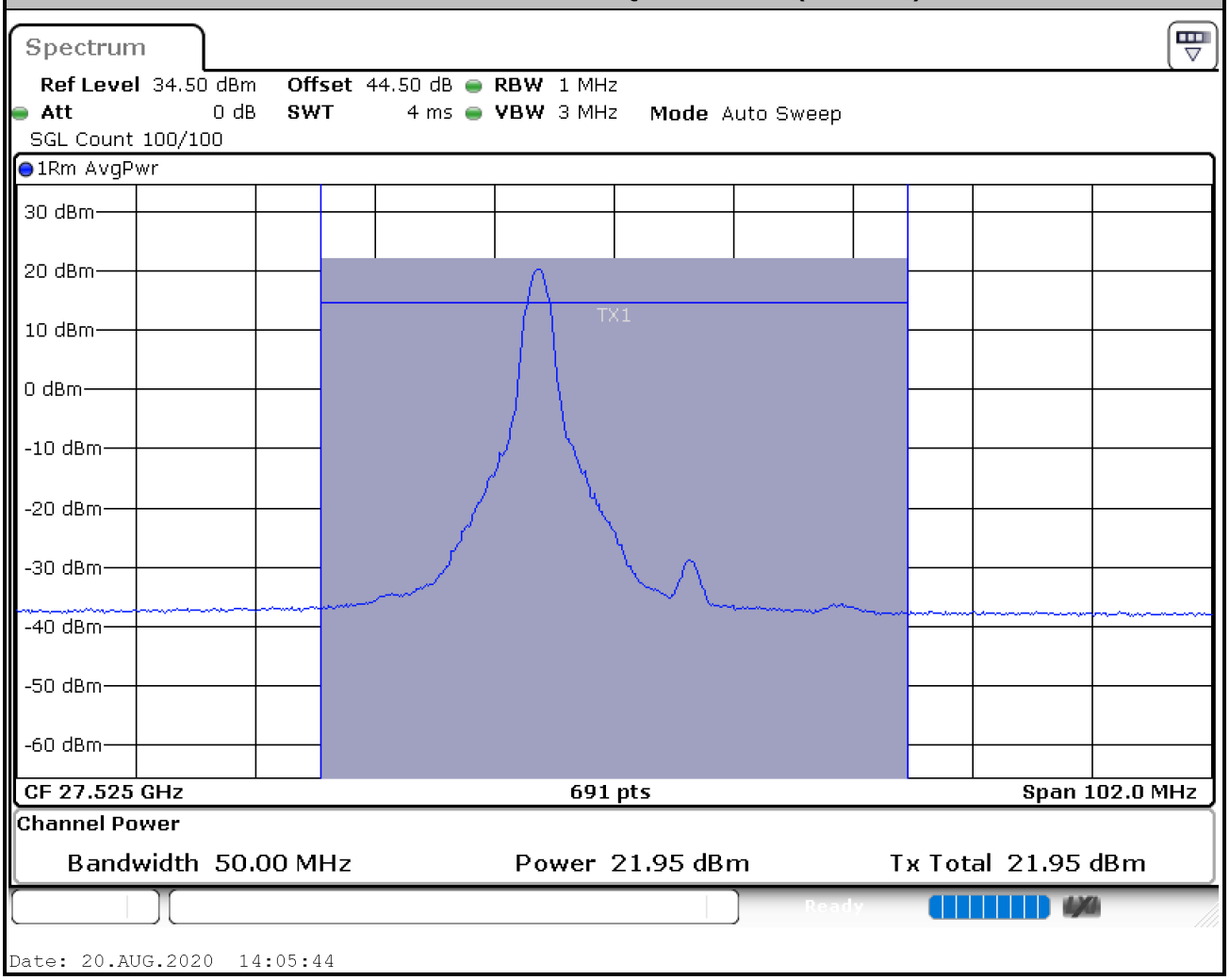
NR Band n261 Module 1 AG0+1 (Beam ID: 14+141) Maximum Average EIRP [dBm]							
	BW [MHz]	Waveform	Modulation	Outer 1RB	Outer Full	Inner 1RB	Inner Full
Middle	50	CP	QPSK	13.18	15.33	17.25	17.02
	50	CP	16QAM	12.18	14.52	16.25	16.05
	50	CP	64QAM	9.92	12.08	14.8	14.37
	100	CP	QPSK	12.17	15.7	17.54	17.48
	100	CP	16QAM	11.4	14.74	16.77	16.58
	100	CP	64QAM	8.67	12.34	14.92	14.65

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	50	CP	QPSK	12.47	15.03	16.99	16.32
	50	CP	16QAM	11.53	14.25	16.1	15.88
	50	CP	64QAM	9.36	11.8	14.65	14.1
	100	CP	QPSK	11.74	15.32	17	17.03
	100	CP	16QAM	10.65	14.5	16.47	16.13
	100	CP	64QAM	8.46	12.13	14.44	14.16

NR Band n261 Module 1

EIRP Worst Case Plot

Lowest Channel / 50MHz / QPSK / 1RB11 (Module 1)



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

= 40.5 + 1.8 + 107 + 20log(1) – 104.8

= 44.5 (dB)

NR Band n258a Module 0 AG0

Occupied Bandwidth

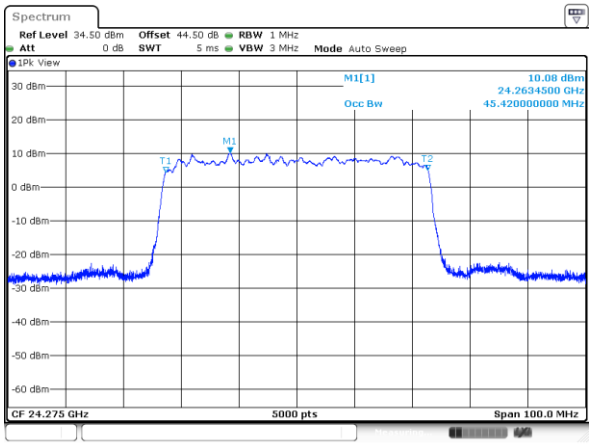
Mode	DFT-s-OFDM Module 0 NR Band n258a: 99%OBW(MHz)							
BW	50MHz				100MHz			
Mod.	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM
Lowest CH	45.42	45.10	45.24	45.10	90.36	90.16	90.28	90.44
Middle CH	45.52	45.20	45.34	45.20	90.80	90.60	90.68	90.84
Highest CH	45.28	44.98	45.40	45.34	90.12	90.12	89.80	90.28

Mode	CP-OFDM Module 0 NR Band n258a: 99%OBW(MHz)					
BW	50MHz			100MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	45.34	45.28	45.02	92.60	92.52	92.80
Middle CH	45.44	45.40	45.12	93.24	93.04	93.24
Highest CH	45.28	45.42	45.28	92.60	92.44	92.68

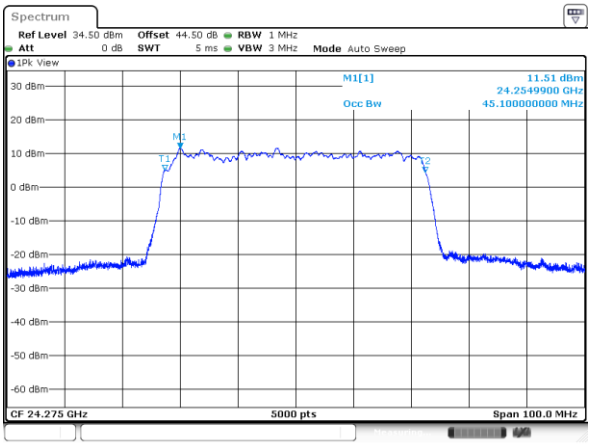
DFT-s-OFDM Module 0

NR Band n258a

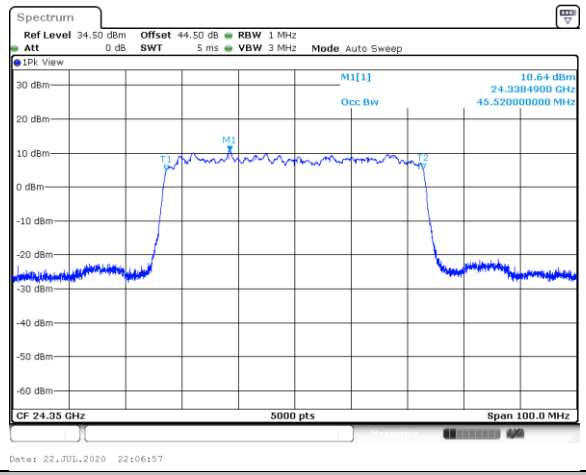
Lowest Channel / 50MHz / BPSK



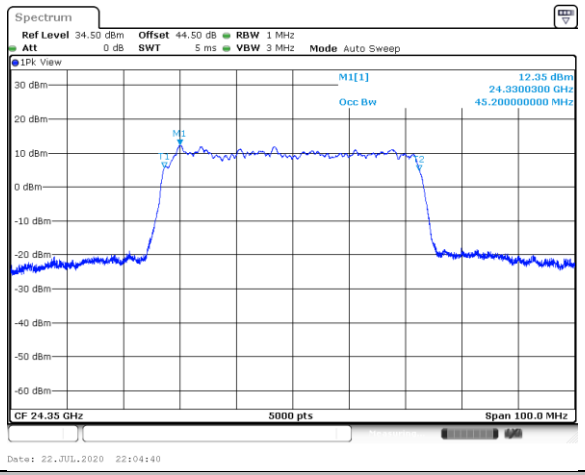
Lowest Channel / 50MHz / QPSK



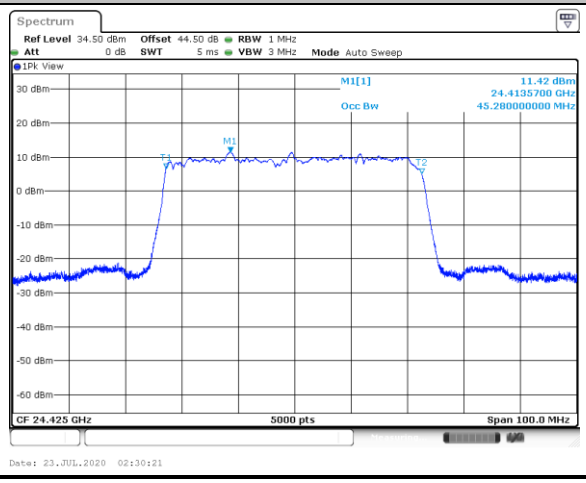
Middle Channel / 50MHz / BPSK



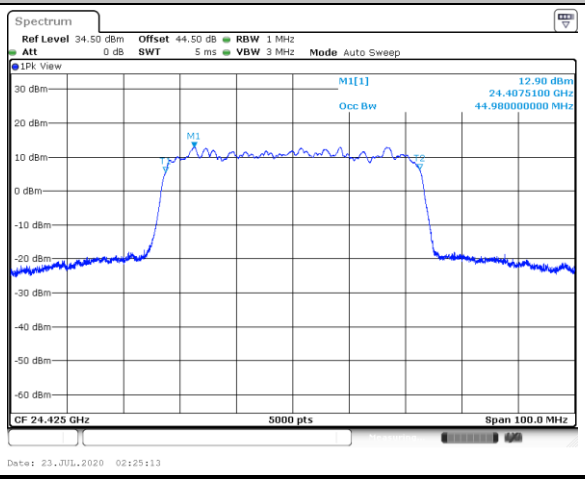
Middle Channel / 50MHz / QPSK



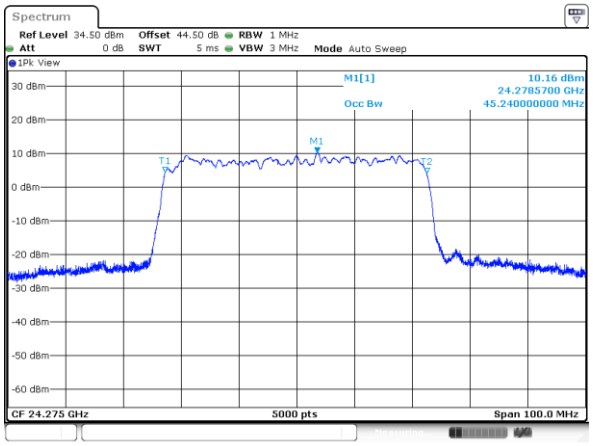
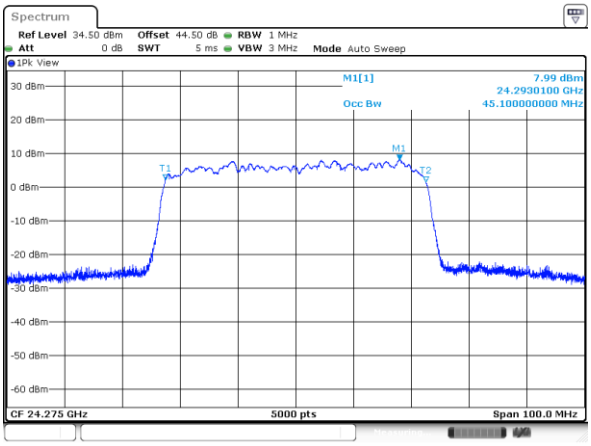
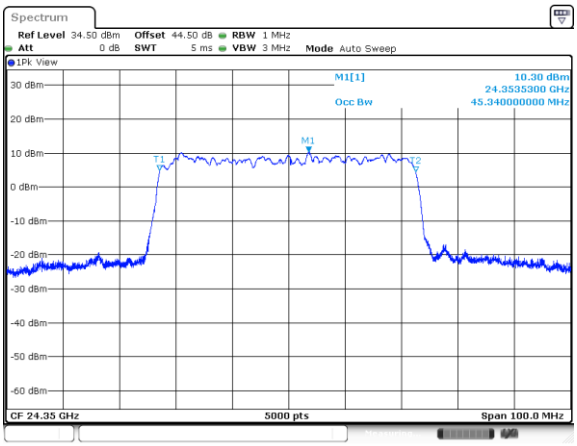
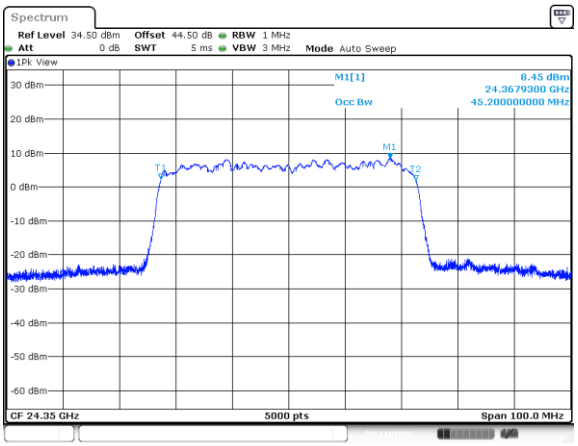
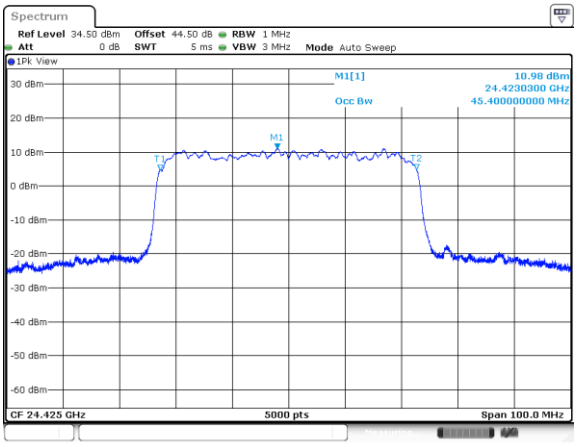
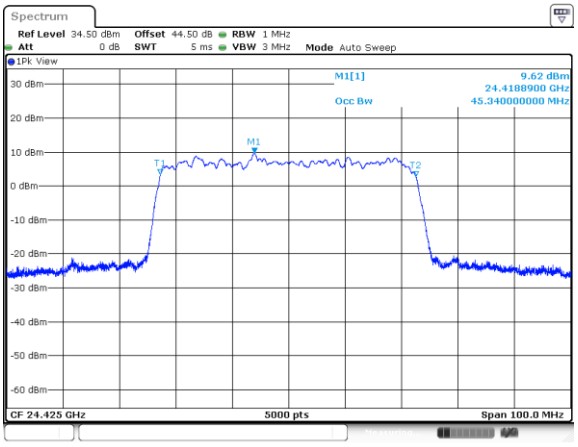
Highest Channel / 50MHz / BPSK



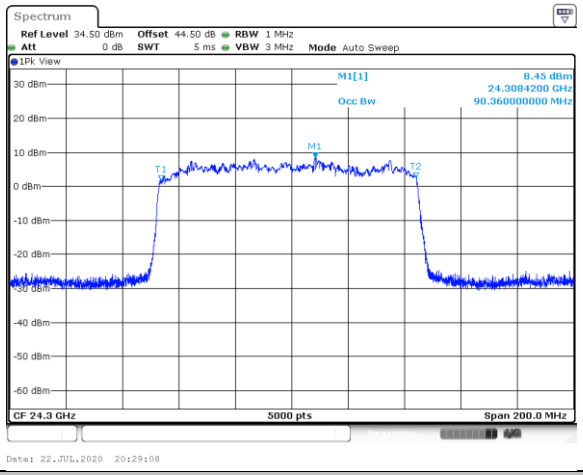
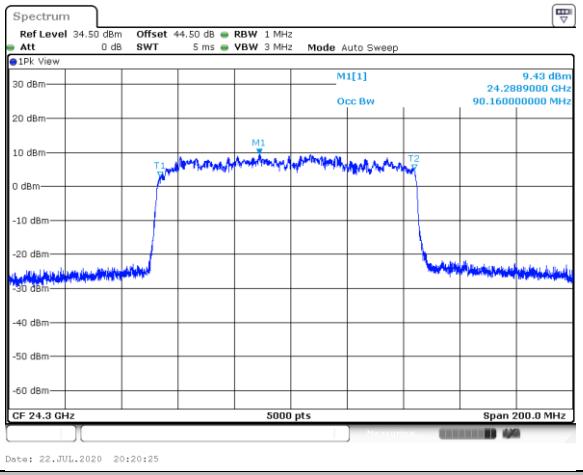
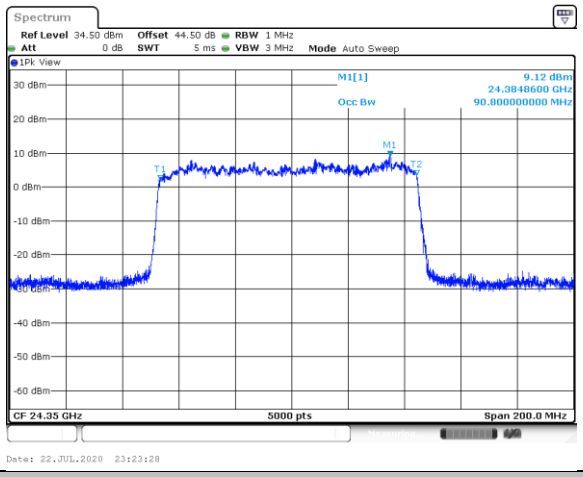
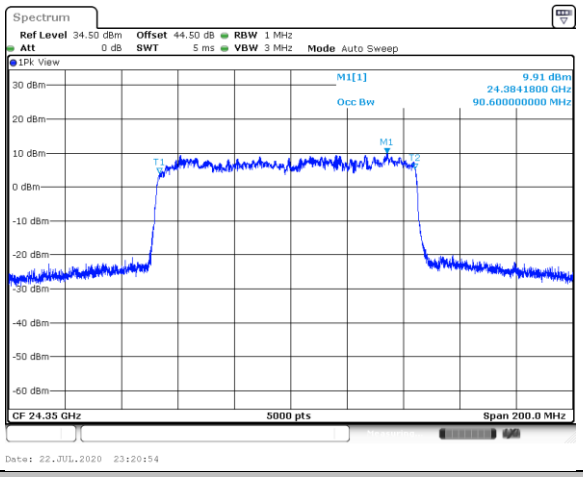
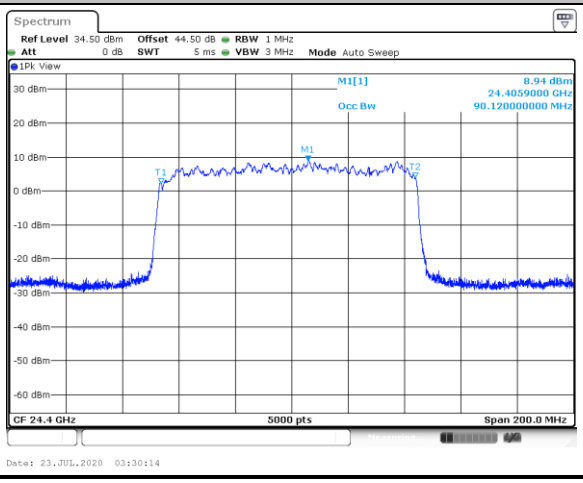
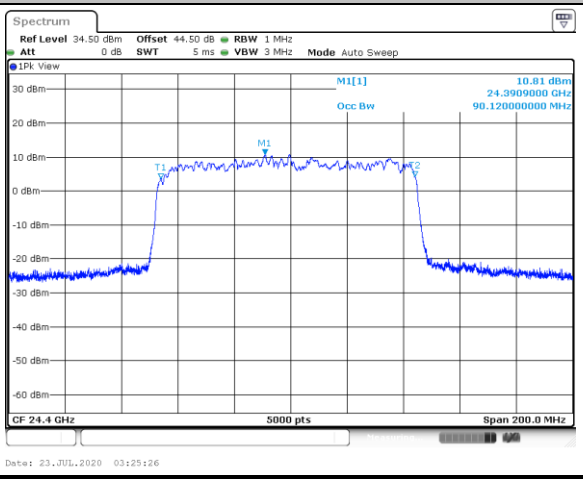
Highest Channel / 50MHz / QPSK



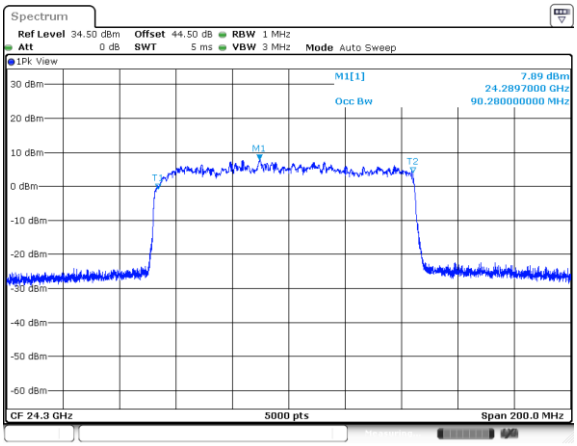
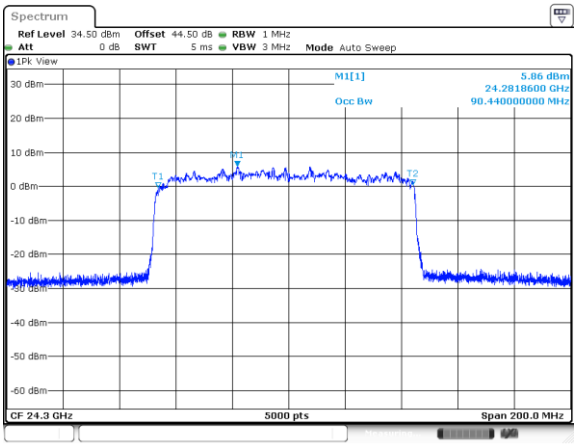
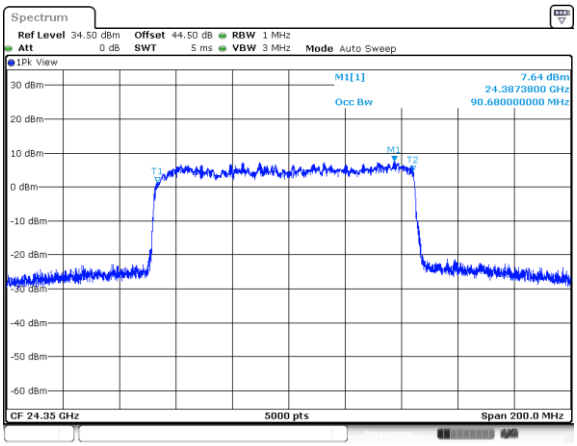
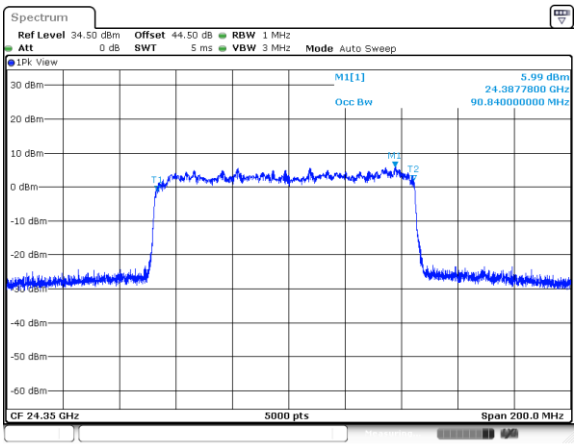
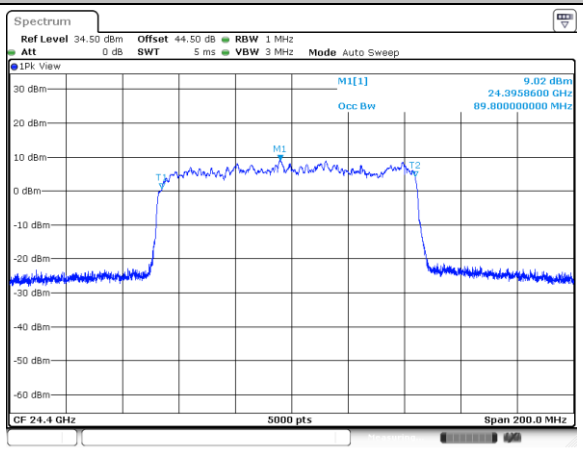
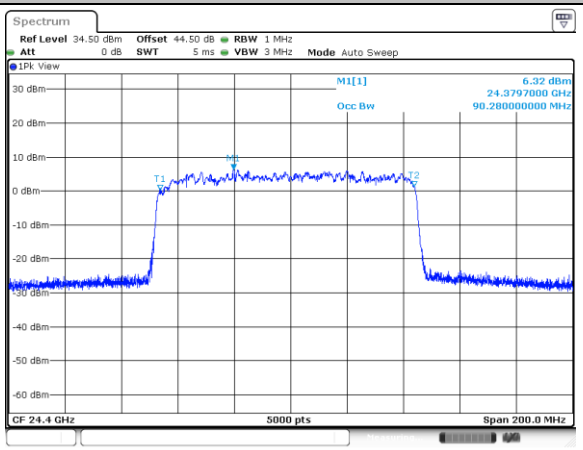
DFT-s-OFDM Module 0

NR Band n258a	
Lowest Channel / 50MHz / 16QAM	**Lowest Channel / 50MHz / 64QAM**
	
Middle Channel / 50MHz / 16QAM	**Middle Channel / 50MHz / 64QAM**
	
Highest Channel / 50MHz / 16QAM	**Highest Channel / 50MHz / 64QAM**
	

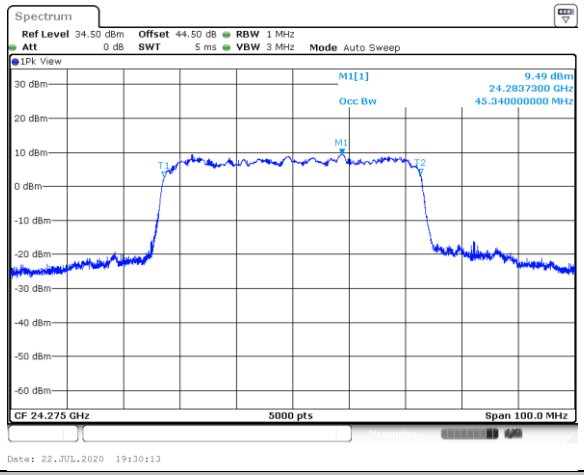
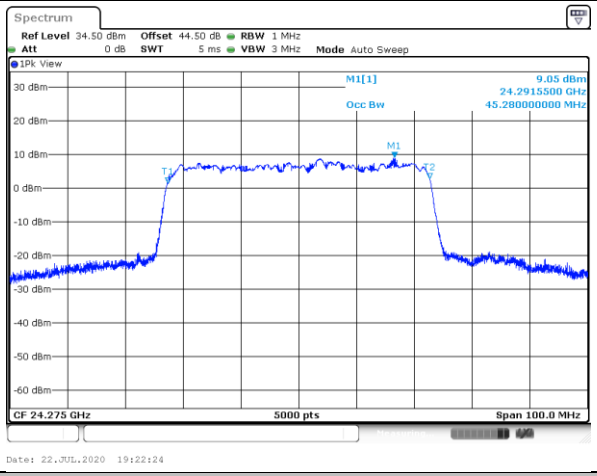
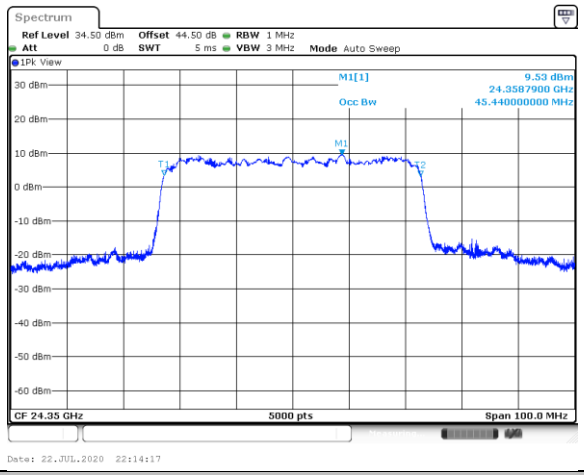
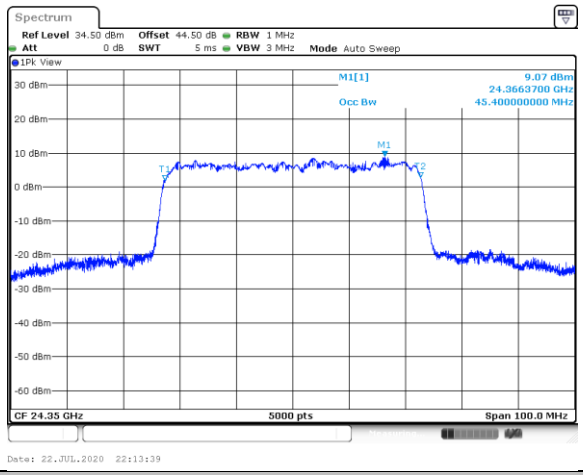
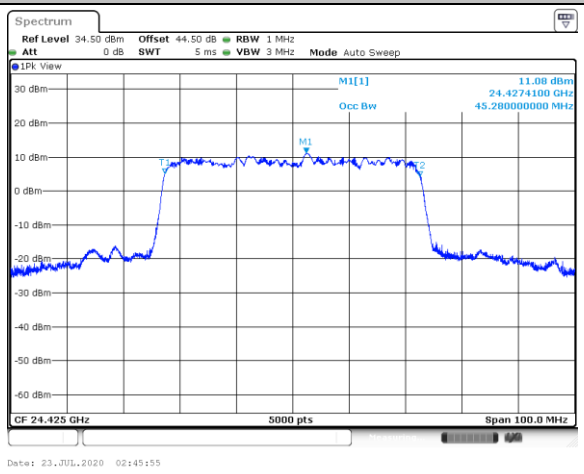
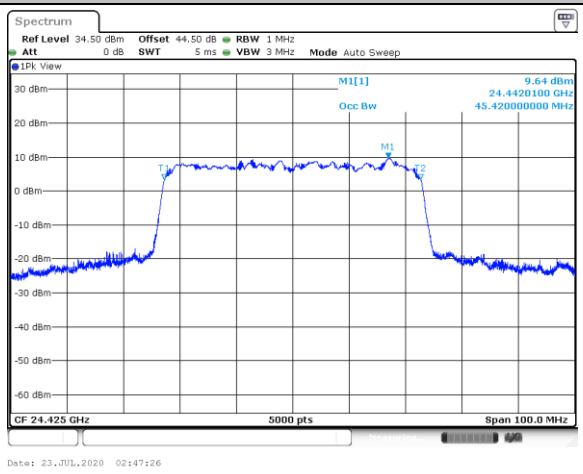
DFT-s-OFDM Module 0

NR Band n258a	
Lowest Channel / 100MHz / BPSK	**Lowest Channel / 100MHz / QPSK**
	
Middle Channel / 100MHz / BPSK	**Middle Channel / 100MHz / QPSK**
	
Highest Channel / 100MHz / BPSK	**Highest Channel / 100MHz / QPSK**
	

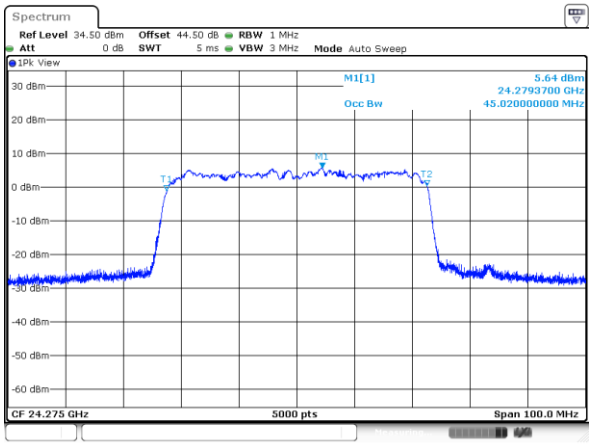
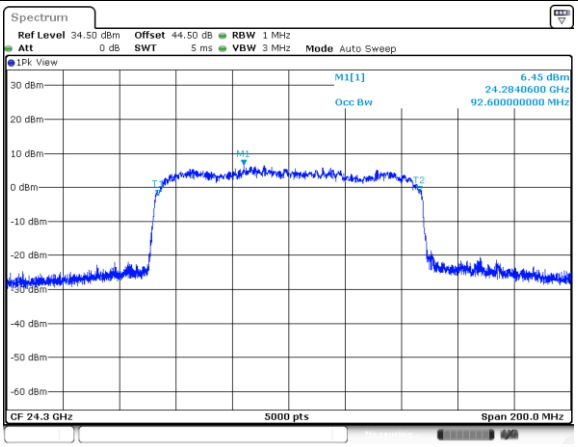
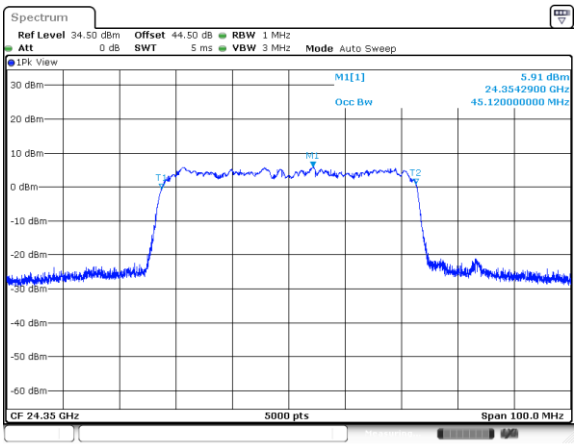
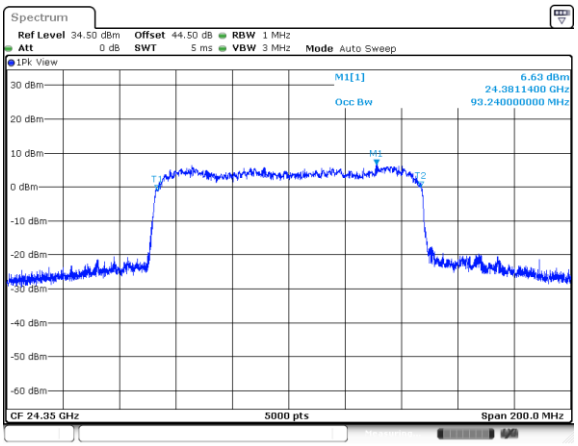
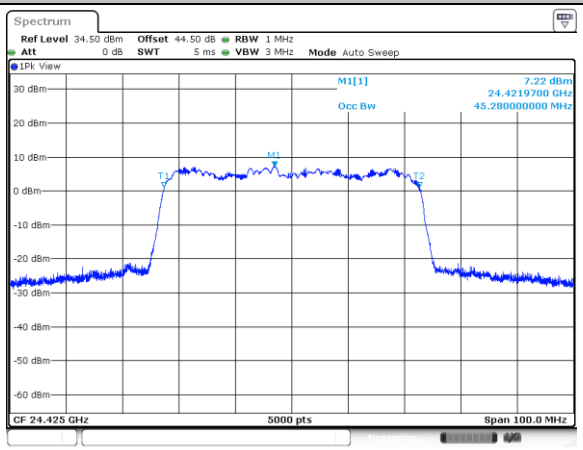
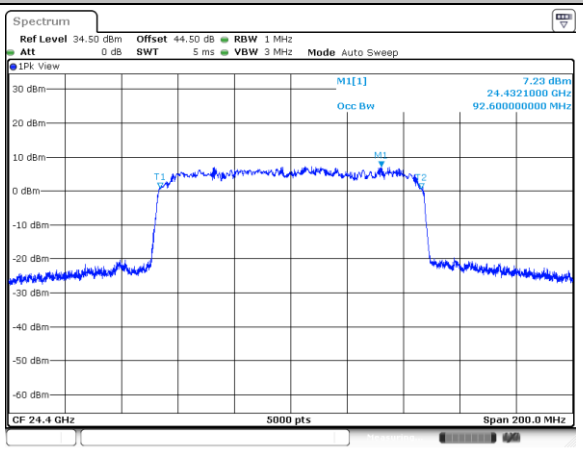
DFT-s-OFDM Module 0

NR Band n258a	
Lowest Channel / 100MHz / 16QAM	**Lowest Channel / 100MHz / 64QAM**
	
Middle Channel / 100MHz / 16QAM	**Middle Channel / 100MHz / 64QAM**
	
Highest Channel / 100MHz / 16QAM	**Highest Channel / 100MHz / 64QAM**
	

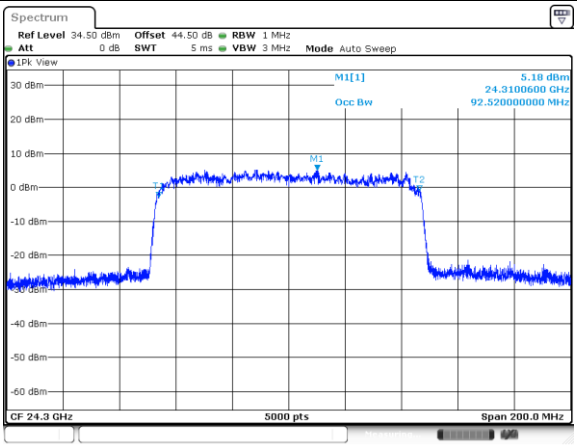
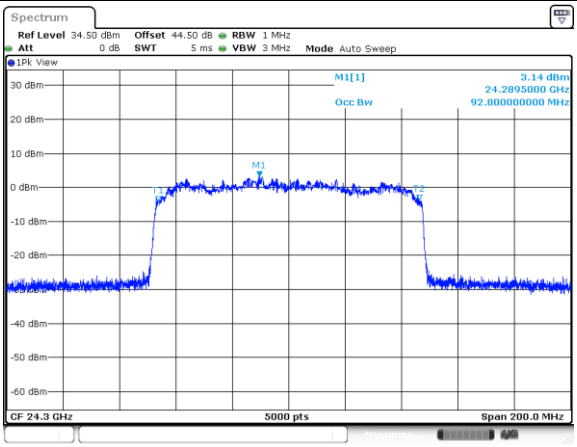
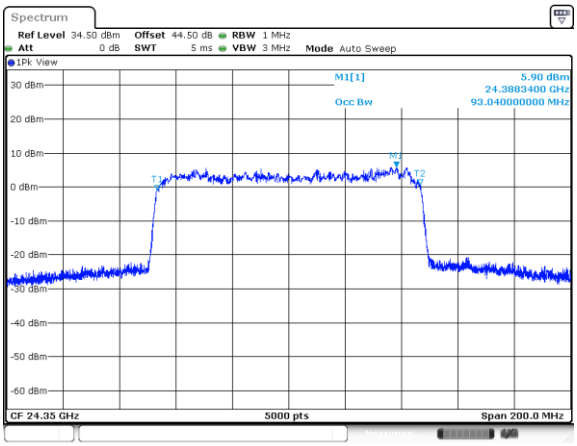
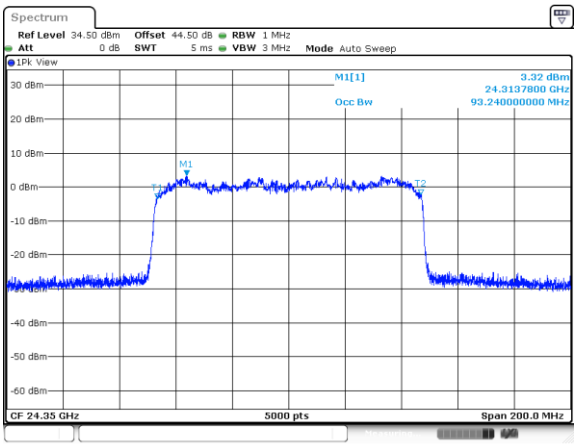
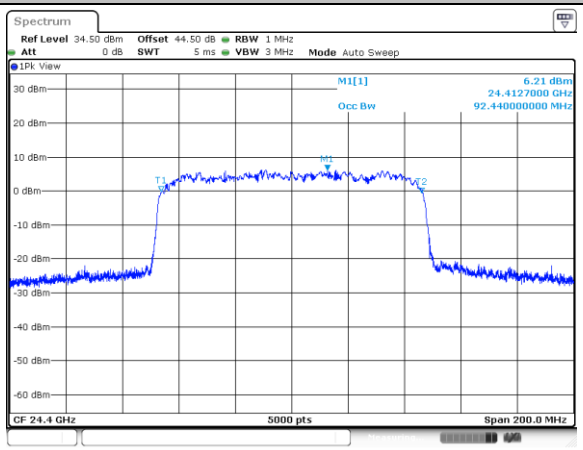
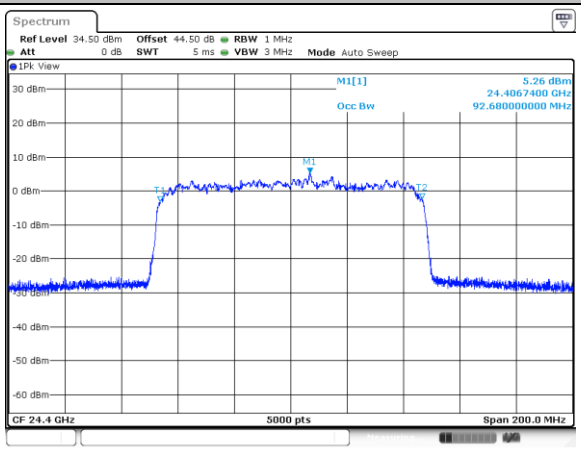
CP-OFDM Module 0

NR Band n258a	
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 n258a	
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 n258a	
Lowest Channel / 100MHz / 16QAM	**Lowest Channel / 100MHz / 64QAM**
	
Middle Channel / 100MHz / 16QAM	**Middle Channel / 100MHz / 64QAM**
	
Highest Channel / 100MHz / 16QAM	**Highest Channel / 100MHz / 64QAM**
	

Radiated Out of Band Emissions

Mode			DFT-s-OFDM Module 0 NR Band n258a: BE (dBm) 1 RB							
BW			50MHz				100MHz			
Limit (dBm)			BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM
Low CH	0~10%OB	≦-5	-20.94	-19.53	-21.36	-23.18	-23.44	-23.37	-24.09	-25.38
	>10%OB	≦-13	-34	-33.66	-34.21	-34.54	-34.34	-34.26	-34.46	-34.75
High CH	0~10%OB	≦-5	-20.81	-19.69	-20.75	-22.4	-23.51	-22.51	-23.14	-25.47
	>10%OB	≦-13	-34.12	-33.75	-34.15	-34.72	-34.7	-34.63	-35.01	-35.17
Result			Compliance							

Mode			CP-OFDM Module 0 NR Band n258a: BE (dBm) 1 RB					
BW			50MHz			100MHz		
Limit (dBm)			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Low CH	0~10%OB	≦-5	-22.93	-23.79	-25.34	-24.26	-24.83	-26.54
	>10%OB	≦-13	-34.31	-34.51	-34.62	-34.7	-34.72	-34.72
High CH	0~10%OB	≦-5	-21.93	-23.22	-24.15	-23.12	-23.88	-27.36
	>10%OB	≦-13	-34.47	-34.75	-34.92	-35.02	-35.03	-35.04
Result			Compliance					

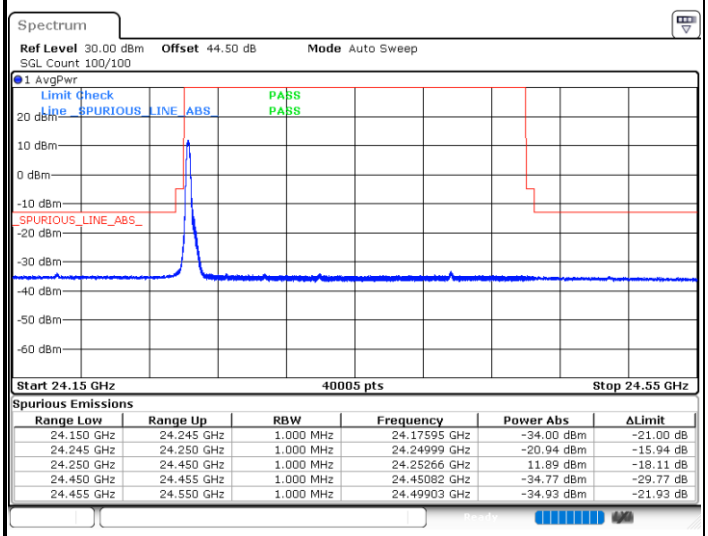
Mode			DFT-s-OFDM Module 0 NR Band n258a: BE (dBm) Full RB							
BW			50MHz				100MHz			
Limit (dBm)			BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM
Low CH	0~10%OB	≦-5	-31.39	-28.92	-30.21	-31.77	-32.54	-31.03	-32.31	-33.53
	>10%OB	≦-13	-33.67	-30.71	-31.53	-33.12	-34.15	-32.32	-32.79	-33.79
High CH	0~10%OB	≦-5	-29.58	-26.13	-28.02	-30.36	-32.82	-29.39	-30.8	-32.59
	>10%OB	≦-13	-32.43	-27.71	-29.52	-31.67	-34.09	-30.57	-31.49	-33.02
Result			Compliance							

Mode			CP-OFDM Module 0 NR Band n258a: BE (dBm) Full RB					
BW			50MHz			100MHz		
Limit (dBm)			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Low CH	0~10%OB	≦-5	-29.14	-29.66	-32.88	-31.72	-32.31	-33.83
	>10%OB	≦-13	-30.56	-30.94	-33.79	-32.68	-33.02	-34.27
High CH	0~10%OB	≦-5	-26.55	-27.32	-31.2	-29.71	-30.29	-33.23
	>10%OB	≦-13	-28.08	-29.57	-32.96	-30.84	-31.49	-34.04
Result			Compliance					

DFT-s-OFDM Module 0

NR Band n258a/ 50MHz / BPSK

Lowest Band Edge / 1 RB

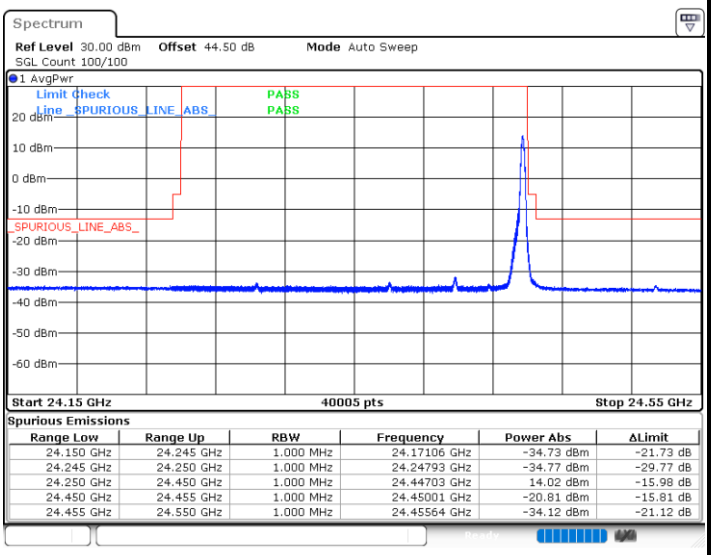


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.245 GHz	1.000 MHz	24.17595 GHz	-34.00 dBm	-21.00 dB
24.245 GHz	24.250 GHz	1.000 MHz	24.24999 GHz	-20.94 dBm	-15.94 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.25266 GHz	11.89 dBm	-18.11 dB
24.450 GHz	24.455 GHz	1.000 MHz	24.45082 GHz	-34.77 dBm	-29.77 dB
24.455 GHz	24.550 GHz	1.000 MHz	24.49903 GHz	-34.93 dBm	-21.93 dB

Date: 22.JUL.2020 19:01:07

Highest Band Edge / 1 RB



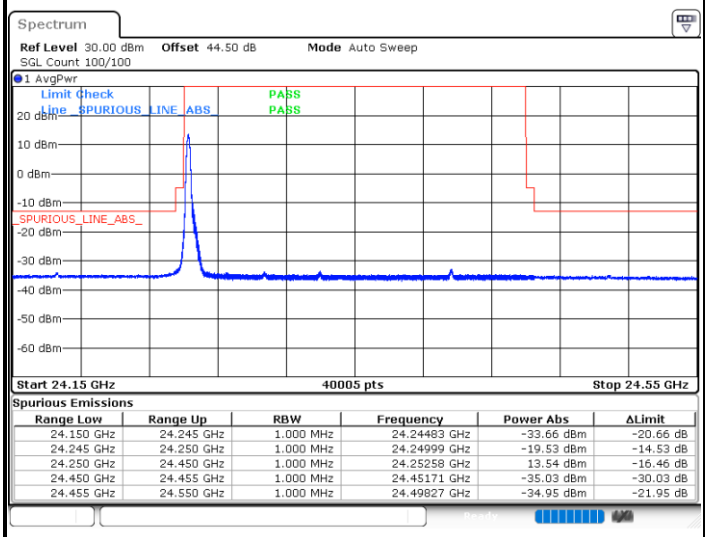
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.245 GHz	1.000 MHz	24.17106 GHz	-34.73 dBm	-21.73 dB
24.245 GHz	24.250 GHz	1.000 MHz	24.24793 GHz	-34.77 dBm	-29.77 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.44703 GHz	14.02 dBm	-15.98 dB
24.450 GHz	24.455 GHz	1.000 MHz	24.45001 GHz	-20.81 dBm	-15.81 dB
24.455 GHz	24.550 GHz	1.000 MHz	24.45564 GHz	-34.12 dBm	-21.12 dB

Date: 23.JUL.2020 02:39:17

NR Band n258a/ 50MHz / QPSK

Lowest Band Edge / 1 RB

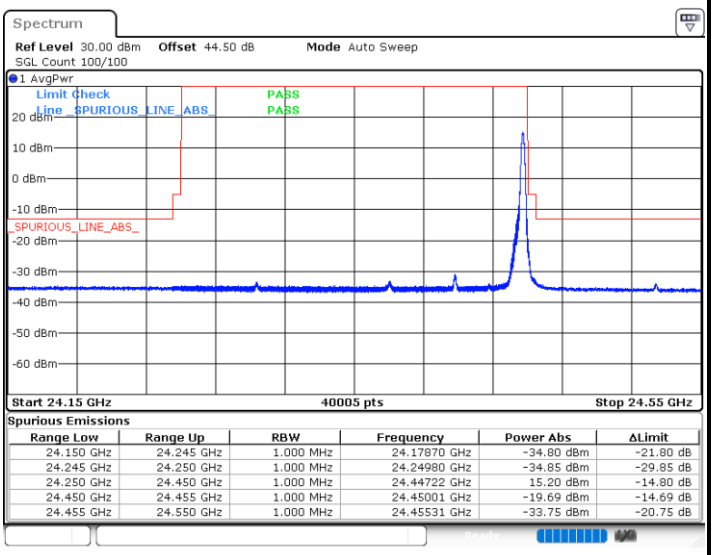


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.245 GHz	1.000 MHz	24.24483 GHz	-33.66 dBm	-20.66 dB
24.245 GHz	24.250 GHz	1.000 MHz	24.24999 GHz	-19.53 dBm	-14.53 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.25258 GHz	13.54 dBm	-16.46 dB
24.450 GHz	24.455 GHz	1.000 MHz	24.45171 GHz	-35.03 dBm	-30.03 dB
24.455 GHz	24.550 GHz	1.000 MHz	24.49827 GHz	-34.95 dBm	-21.95 dB

Date: 22.JUL.2020 19:05:49

Highest Band Edge / 1 RB



Spurious Emissions

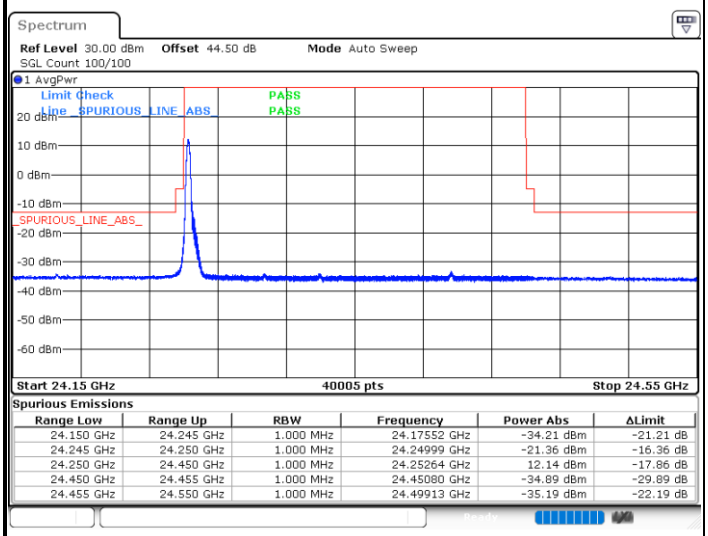
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.245 GHz	1.000 MHz	24.17870 GHz	-34.80 dBm	-21.80 dB
24.245 GHz	24.250 GHz	1.000 MHz	24.24980 GHz	-34.85 dBm	-29.85 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.44722 GHz	15.20 dBm	-14.80 dB
24.450 GHz	24.455 GHz	1.000 MHz	24.45001 GHz	-19.69 dBm	-14.69 dB
24.455 GHz	24.550 GHz	1.000 MHz	24.45531 GHz	-33.75 dBm	-20.75 dB

Date: 23.JUL.2020 02:36:33

DFT-s-OFDM Module 0

NR Band n258a/ 50MHz / 16QAM

Lowest Band Edge / 1 RB

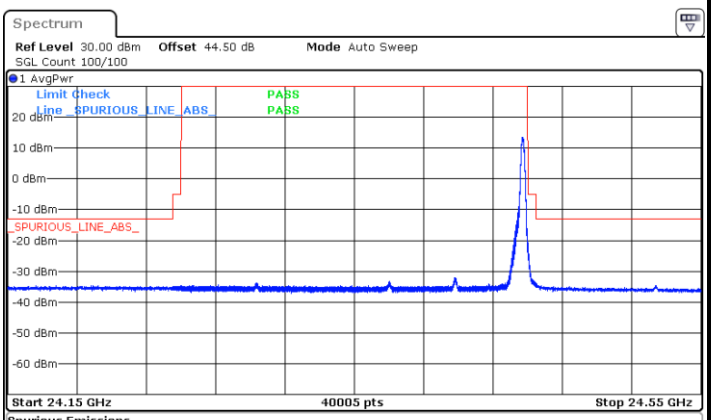


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.245 GHz	1.000 MHz	24.17552 GHz	-34.21 dBm	-21.21 dB
24.245 GHz	24.250 GHz	1.000 MHz	24.24999 GHz	-21.36 dBm	-16.36 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.25264 GHz	12.14 dBm	-17.86 dB
24.450 GHz	24.455 GHz	1.000 MHz	24.45080 GHz	-34.89 dBm	-29.89 dB
24.455 GHz	24.550 GHz	1.000 MHz	24.49913 GHz	-35.19 dBm	-22.19 dB

Date: 22.JUL.2020 19:04:11

Highest Band Edge / 1 RB



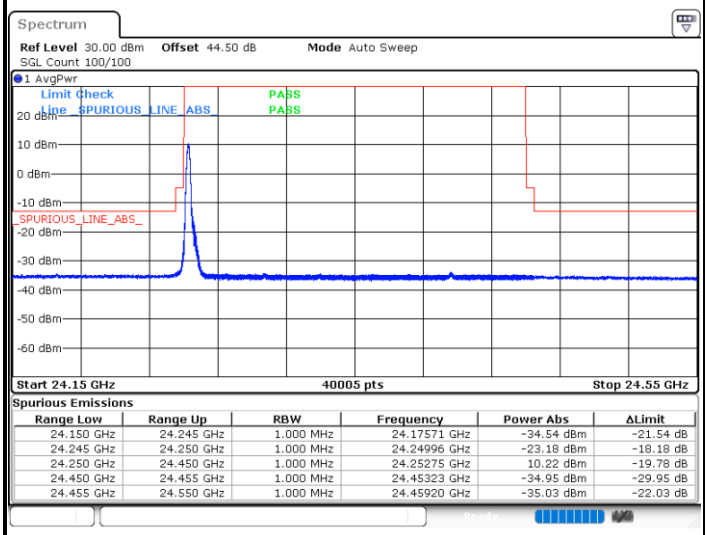
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.245 GHz	1.000 MHz	24.17784 GHz	-34.64 dBm	-21.64 dB
24.245 GHz	24.250 GHz	1.000 MHz	24.24994 GHz	-34.81 dBm	-29.81 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.44693 GHz	13.51 dBm	-16.49 dB
24.450 GHz	24.455 GHz	1.000 MHz	24.45005 GHz	-20.75 dBm	-15.75 dB
24.455 GHz	24.550 GHz	1.000 MHz	24.45540 GHz	-34.15 dBm	-21.15 dB

Date: 23.JUL.2020 02:37:19

NR Band n258a/ 50MHz / 64QAM

Lowest Band Edge / 1 RB

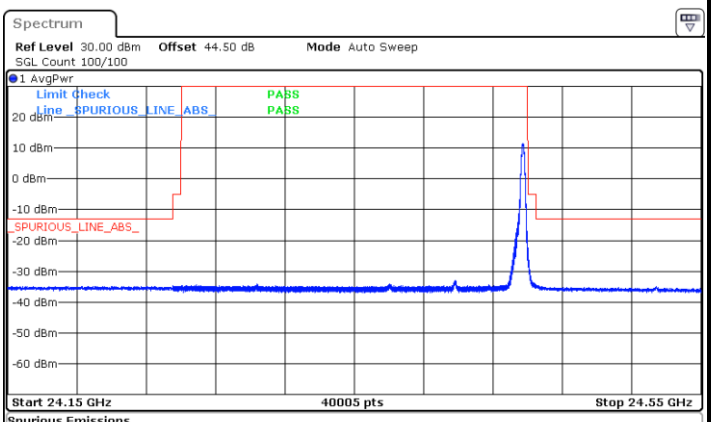


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.245 GHz	1.000 MHz	24.17571 GHz	-34.54 dBm	-21.54 dB
24.245 GHz	24.250 GHz	1.000 MHz	24.24996 GHz	-23.18 dBm	-18.18 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.25275 GHz	10.22 dBm	-19.78 dB
24.450 GHz	24.455 GHz	1.000 MHz	24.45323 GHz	-34.95 dBm	-29.95 dB
24.455 GHz	24.550 GHz	1.000 MHz	24.45920 GHz	-35.03 dBm	-22.03 dB

Date: 22.JUL.2020 19:02:53

Highest Band Edge / 1 RB



Spurious Emissions

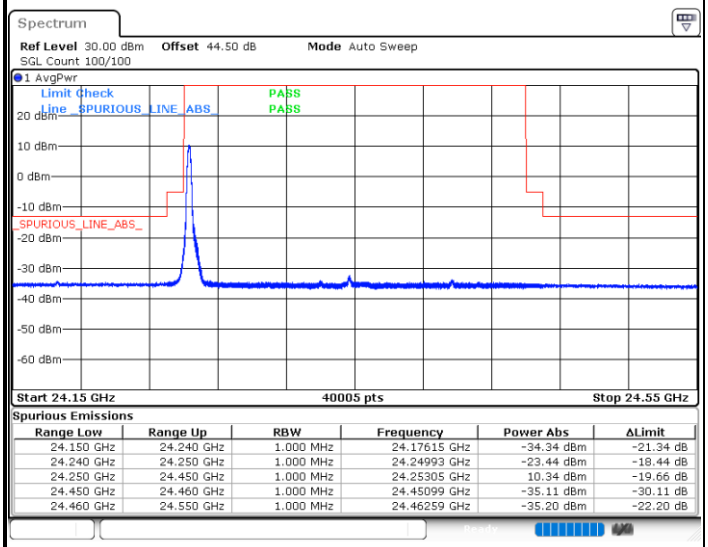
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.245 GHz	1.000 MHz	24.19612 GHz	-34.82 dBm	-21.82 dB
24.245 GHz	24.250 GHz	1.000 MHz	24.24527 GHz	-34.73 dBm	-29.73 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.44699 GHz	11.47 dBm	-18.53 dB
24.450 GHz	24.455 GHz	1.000 MHz	24.45000 GHz	-22.40 dBm	-17.40 dB
24.455 GHz	24.550 GHz	1.000 MHz	24.45569 GHz	-34.72 dBm	-21.72 dB

Date: 23.JUL.2020 02:38:35

DFT-s-OFDM Module 0

NR Band n258a/ 100MHz / BPSK

Lowest Band Edge / 1 RB

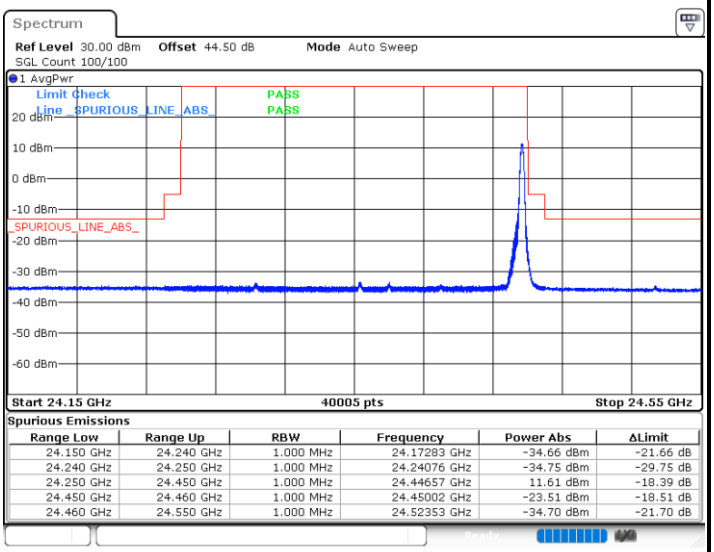


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.240 GHz	1.000 MHz	24.17615 GHz	-34.34 dBm	-21.34 dB
24.240 GHz	24.250 GHz	1.000 MHz	24.24993 GHz	-23.44 dBm	-18.44 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.25305 GHz	10.34 dBm	-19.66 dB
24.450 GHz	24.460 GHz	1.000 MHz	24.45099 GHz	-35.11 dBm	-30.11 dB
24.460 GHz	24.550 GHz	1.000 MHz	24.46259 GHz	-35.20 dBm	-22.20 dB

Date: 22.JUL.2020 20:31:07

Highest Band Edge / 1 RB



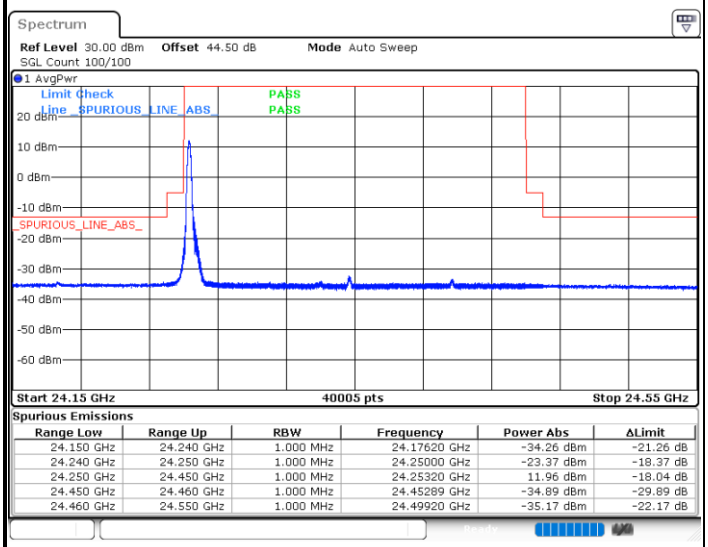
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.240 GHz	1.000 MHz	24.17283 GHz	-34.66 dBm	-21.66 dB
24.240 GHz	24.250 GHz	1.000 MHz	24.24076 GHz	-34.75 dBm	-29.75 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.44657 GHz	11.61 dBm	-18.39 dB
24.450 GHz	24.460 GHz	1.000 MHz	24.45002 GHz	-23.51 dBm	-18.51 dB
24.460 GHz	24.550 GHz	1.000 MHz	24.52353 GHz	-34.70 dBm	-21.70 dB

Date: 23.JUL.2020 03:39:17

NR Band n258a/ 100MHz / QPSK

Lowest Band Edge / 1 RB

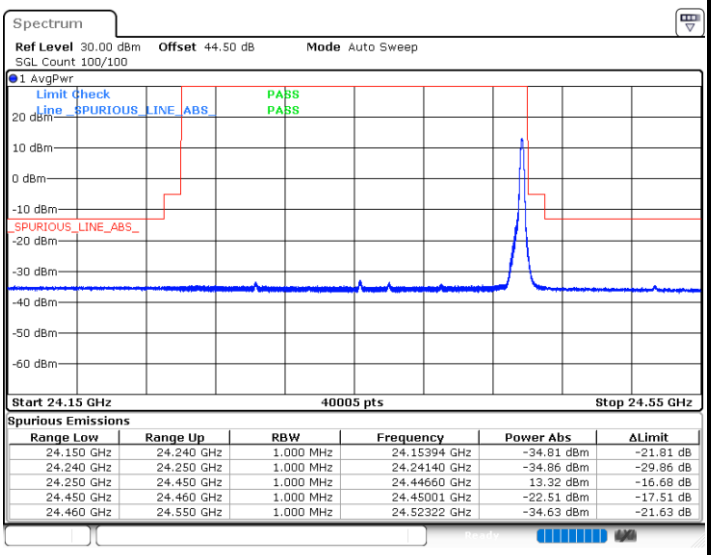


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.240 GHz	1.000 MHz	24.17620 GHz	-34.26 dBm	-21.26 dB
24.240 GHz	24.250 GHz	1.000 MHz	24.25000 GHz	-23.37 dBm	-18.37 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.25320 GHz	11.96 dBm	-18.04 dB
24.450 GHz	24.460 GHz	1.000 MHz	24.45289 GHz	-34.89 dBm	-29.89 dB
24.460 GHz	24.550 GHz	1.000 MHz	24.49920 GHz	-35.17 dBm	-22.17 dB

Date: 22.JUL.2020 20:34:46

Highest Band Edge / 1 RB



Spurious Emissions

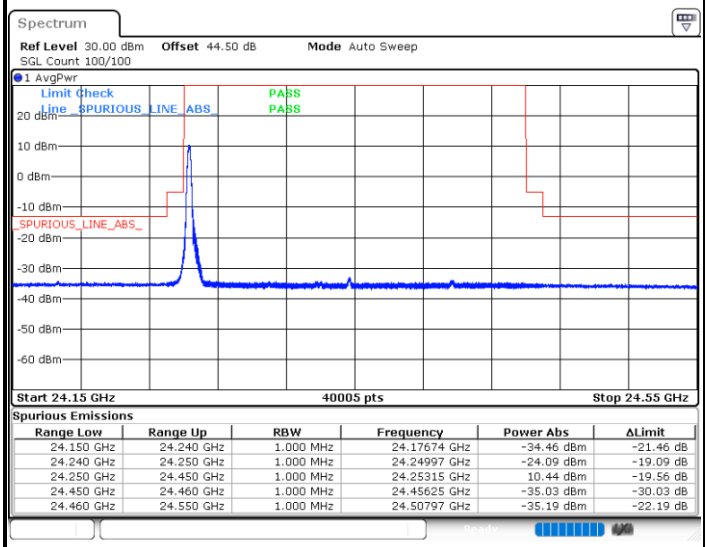
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.240 GHz	1.000 MHz	24.15394 GHz	-34.81 dBm	-21.81 dB
24.240 GHz	24.250 GHz	1.000 MHz	24.24140 GHz	-34.86 dBm	-29.86 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.44660 GHz	13.32 dBm	-16.68 dB
24.450 GHz	24.460 GHz	1.000 MHz	24.45001 GHz	-22.51 dBm	-17.51 dB
24.460 GHz	24.550 GHz	1.000 MHz	24.52322 GHz	-34.63 dBm	-21.63 dB

Date: 23.JUL.2020 03:37:15

DFT-s-OFDM Module 0

NR Band n258a/ 100MHz / 16QAM

Lowest Band Edge / 1 RB

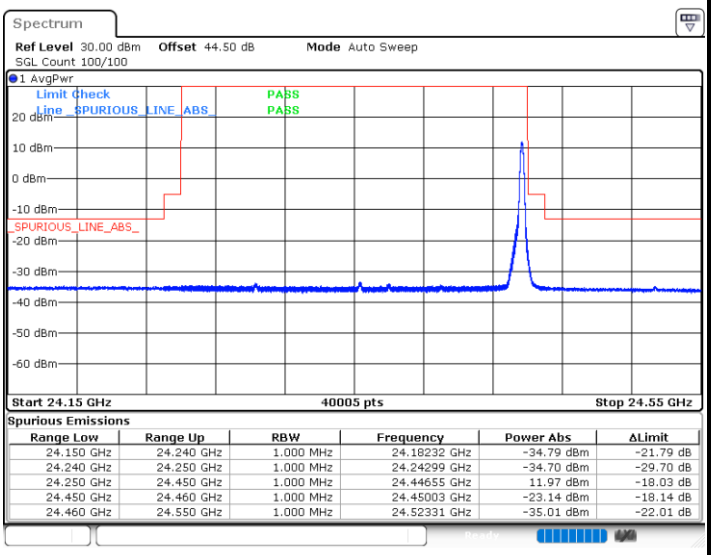


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.240 GHz	1.000 MHz	24.17674 GHz	-34.46 dBm	-21.46 dB
24.240 GHz	24.250 GHz	1.000 MHz	24.24997 GHz	-24.09 dBm	-19.09 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.25315 GHz	10.44 dBm	-19.56 dB
24.450 GHz	24.460 GHz	1.000 MHz	24.45625 GHz	-35.03 dBm	-30.03 dB
24.460 GHz	24.550 GHz	1.000 MHz	24.50797 GHz	-35.19 dBm	-22.19 dB

Date: 22.JUL.2020 20:33:46

Highest Band Edge / 1 RB



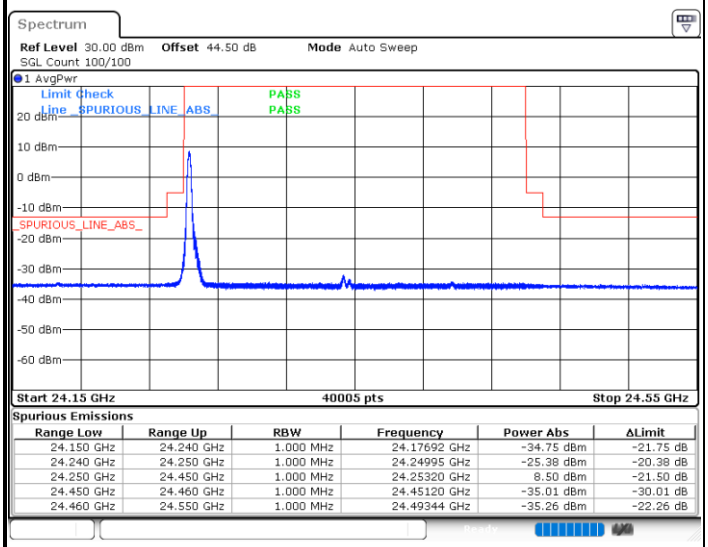
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.240 GHz	1.000 MHz	24.18232 GHz	-34.79 dBm	-21.79 dB
24.240 GHz	24.250 GHz	1.000 MHz	24.24299 GHz	-34.70 dBm	-29.70 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.44655 GHz	11.97 dBm	-18.03 dB
24.450 GHz	24.460 GHz	1.000 MHz	24.45003 GHz	-23.14 dBm	-18.14 dB
24.460 GHz	24.550 GHz	1.000 MHz	24.52331 GHz	-35.01 dBm	-22.01 dB

Date: 23.JUL.2020 03:37:57

NR Band n258a/ 100MHz / 64QAM

Lowest Band Edge / 1 RB

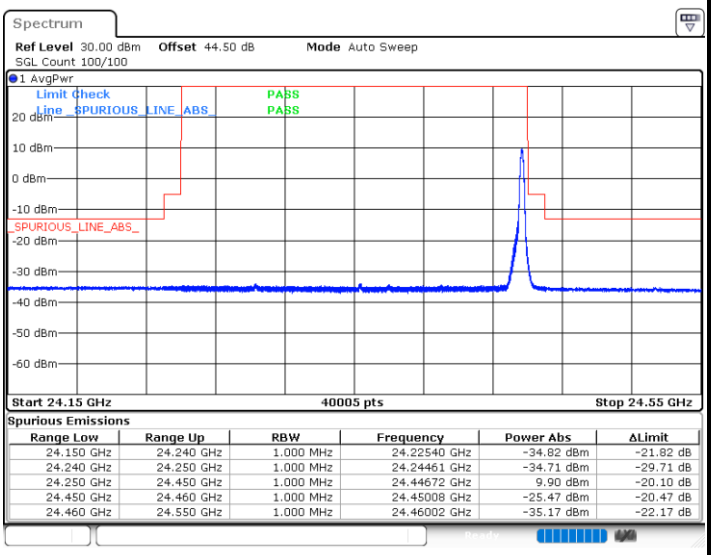


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.240 GHz	1.000 MHz	24.17692 GHz	-34.75 dBm	-21.75 dB
24.240 GHz	24.250 GHz	1.000 MHz	24.24995 GHz	-25.38 dBm	-20.38 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.25320 GHz	8.50 dBm	-21.50 dB
24.450 GHz	24.460 GHz	1.000 MHz	24.45120 GHz	-35.01 dBm	-30.01 dB
24.460 GHz	24.550 GHz	1.000 MHz	24.49344 GHz	-35.26 dBm	-22.26 dB

Date: 22.JUL.2020 20:32:47

Highest Band Edge / 1 RB



Spurious Emissions

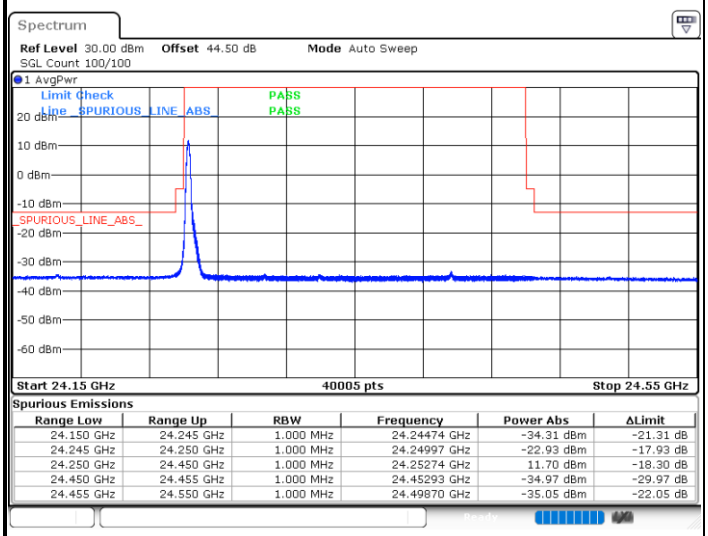
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.240 GHz	1.000 MHz	24.22540 GHz	-34.82 dBm	-21.82 dB
24.240 GHz	24.250 GHz	1.000 MHz	24.24461 GHz	-34.71 dBm	-29.71 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.44672 GHz	9.90 dBm	-20.10 dB
24.450 GHz	24.460 GHz	1.000 MHz	24.45008 GHz	-25.47 dBm	-20.47 dB
24.460 GHz	24.550 GHz	1.000 MHz	24.46002 GHz	-35.17 dBm	-22.17 dB

Date: 23.JUL.2020 03:38:36

CP-OFDM Module 0

NR Band n258a/ 50MHz / QPSK

Lowest Band Edge / 1 RB

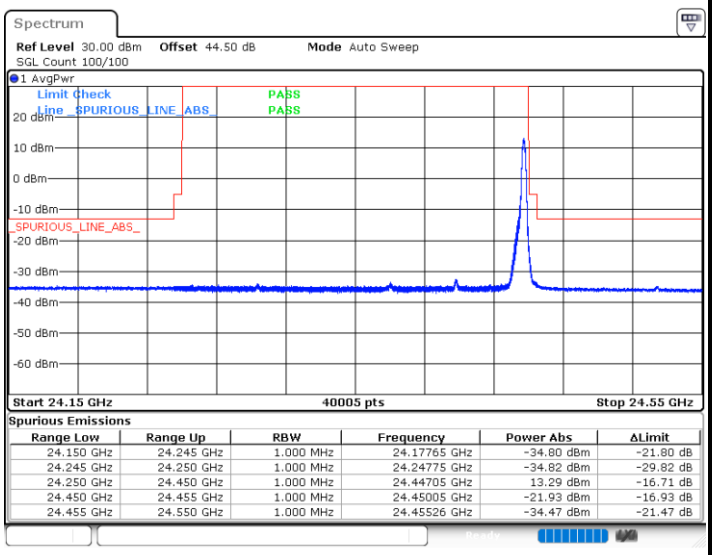


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.245 GHz	1.000 MHz	24.24474 GHz	-34.31 dBm	-21.31 dB
24.245 GHz	24.250 GHz	1.000 MHz	24.24997 GHz	-22.93 dBm	-17.93 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.25274 GHz	11.70 dBm	-18.30 dB
24.450 GHz	24.455 GHz	1.000 MHz	24.45293 GHz	-34.97 dBm	-29.97 dB
24.455 GHz	24.550 GHz	1.000 MHz	24.49870 GHz	-35.05 dBm	-22.05 dB

Date: 22.JUL.2020 19:11:35

Highest Band Edge / 1 RB



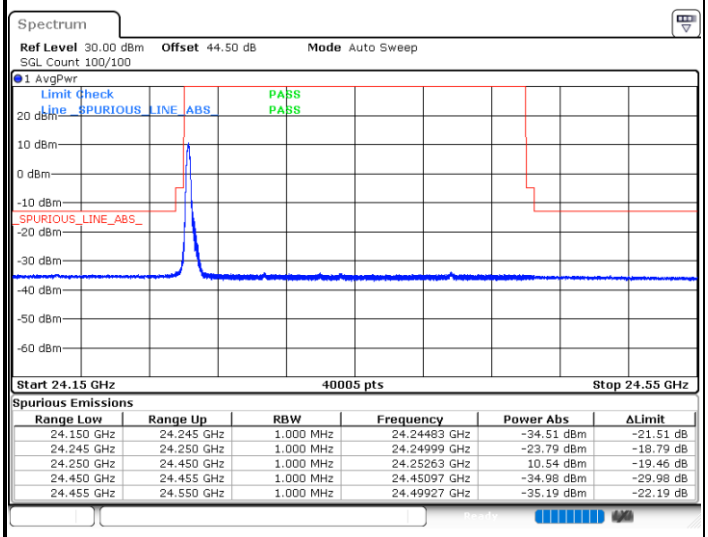
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.245 GHz	1.000 MHz	24.17765 GHz	-34.80 dBm	-21.80 dB
24.245 GHz	24.250 GHz	1.000 MHz	24.24775 GHz	-34.82 dBm	-29.82 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.44705 GHz	13.29 dBm	-16.71 dB
24.450 GHz	24.455 GHz	1.000 MHz	24.45005 GHz	-21.93 dBm	-16.93 dB
24.455 GHz	24.550 GHz	1.000 MHz	24.45526 GHz	-34.47 dBm	-21.47 dB

Date: 23.JUL.2020 02:54:11

NR Band n258a/ 50MHz / 16QAM

Lowest Band Edge / 1 RB

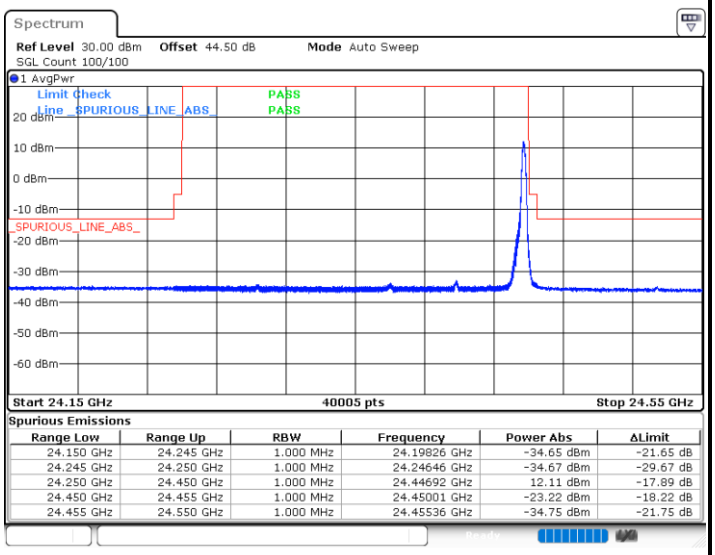


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.245 GHz	1.000 MHz	24.24483 GHz	-34.51 dBm	-21.51 dB
24.245 GHz	24.250 GHz	1.000 MHz	24.24999 GHz	-23.79 dBm	-18.79 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.25263 GHz	10.54 dBm	-19.46 dB
24.450 GHz	24.455 GHz	1.000 MHz	24.45097 GHz	-34.98 dBm	-29.98 dB
24.455 GHz	24.550 GHz	1.000 MHz	24.49927 GHz	-35.19 dBm	-22.19 dB

Date: 22.JUL.2020 19:13:18

Highest Band Edge / 1 RB



Spurious Emissions

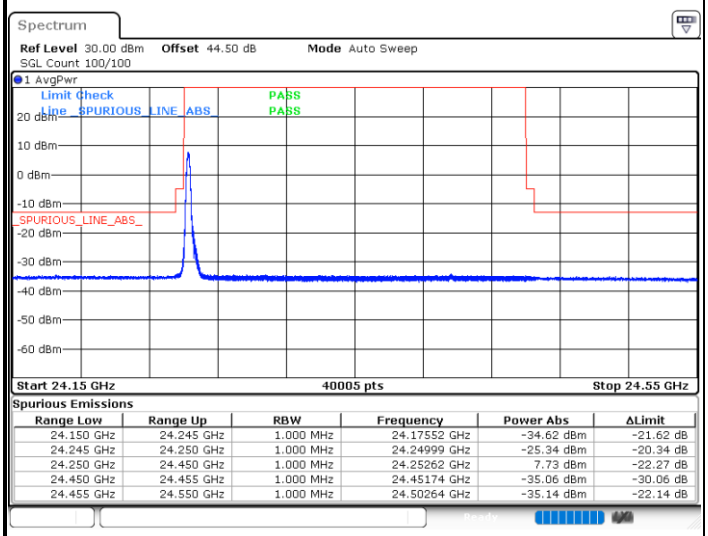
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.245 GHz	1.000 MHz	24.19826 GHz	-34.65 dBm	-21.65 dB
24.245 GHz	24.250 GHz	1.000 MHz	24.24646 GHz	-34.67 dBm	-29.67 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.44692 GHz	12.11 dBm	-17.89 dB
24.450 GHz	24.455 GHz	1.000 MHz	24.45001 GHz	-23.22 dBm	-18.22 dB
24.455 GHz	24.550 GHz	1.000 MHz	24.45536 GHz	-34.75 dBm	-21.75 dB

Date: 23.JUL.2020 02:54:50

CP-OFDM Module 0

NR Band n258a/ 50MHz / 64QAM

Lowest Band Edge / 1 RB

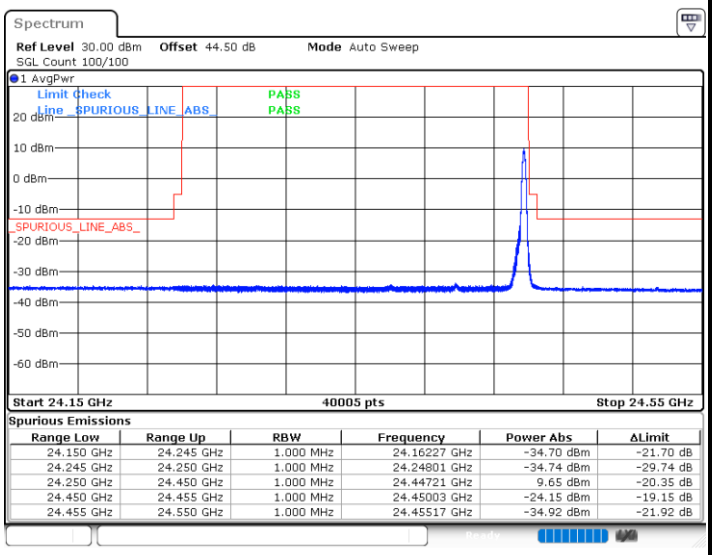


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.245 GHz	1.000 MHz	24.17552 GHz	-34.62 dBm	-21.62 dB
24.245 GHz	24.250 GHz	1.000 MHz	24.24999 GHz	-25.34 dBm	-20.34 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.25262 GHz	7.73 dBm	-22.27 dB
24.450 GHz	24.455 GHz	1.000 MHz	24.45174 GHz	-35.06 dBm	-30.06 dB
24.455 GHz	24.550 GHz	1.000 MHz	24.50264 GHz	-35.14 dBm	-22.14 dB

Date: 22.JUL.2020 19:14:14

Highest Band Edge / 1 RB



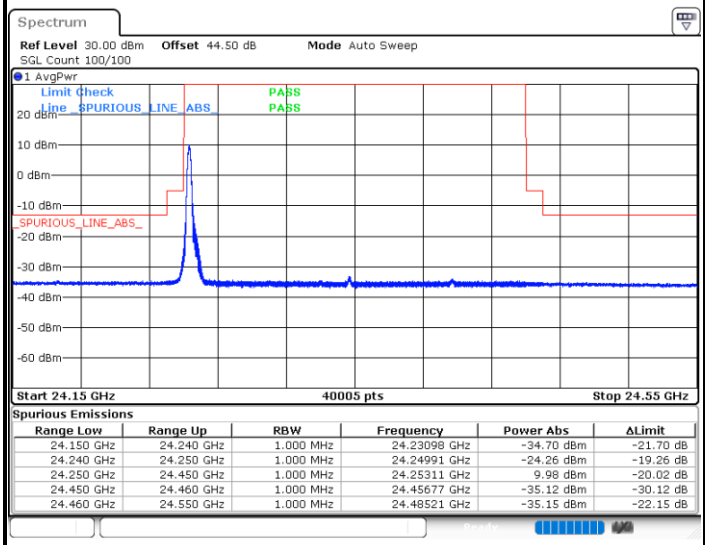
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.245 GHz	1.000 MHz	24.16227 GHz	-34.70 dBm	-21.70 dB
24.245 GHz	24.250 GHz	1.000 MHz	24.24801 GHz	-34.74 dBm	-29.74 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.44721 GHz	9.65 dBm	-20.35 dB
24.450 GHz	24.455 GHz	1.000 MHz	24.45003 GHz	-24.15 dBm	-19.15 dB
24.455 GHz	24.550 GHz	1.000 MHz	24.45517 GHz	-34.92 dBm	-21.92 dB

Date: 23.JUL.2020 02:56:33

NR Band n258a/ 100MHz / QPSK

Lowest Band Edge / 1 RB

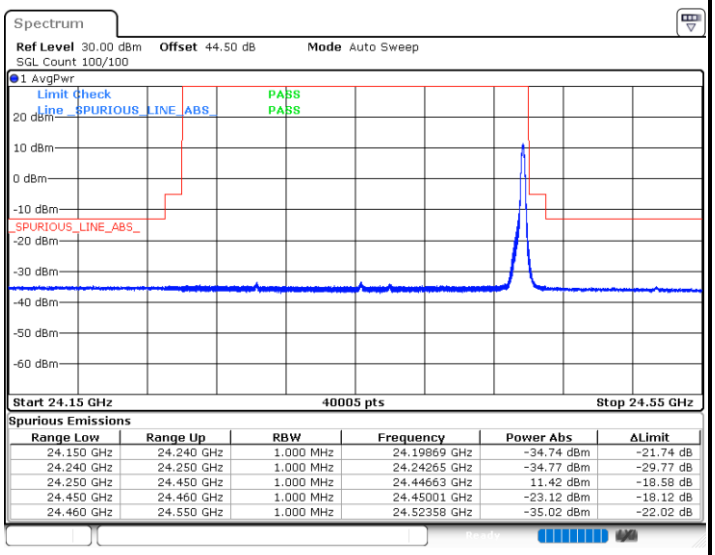


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.240 GHz	1.000 MHz	24.23098 GHz	-34.70 dBm	-21.70 dB
24.240 GHz	24.250 GHz	1.000 MHz	24.24991 GHz	-24.26 dBm	-19.26 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.25311 GHz	9.98 dBm	-20.02 dB
24.450 GHz	24.460 GHz	1.000 MHz	24.45677 GHz	-35.12 dBm	-30.12 dB
24.460 GHz	24.550 GHz	1.000 MHz	24.48521 GHz	-35.15 dBm	-22.15 dB

Date: 22.JUL.2020 20:57:15

Highest Band Edge / 1 RB



Spurious Emissions

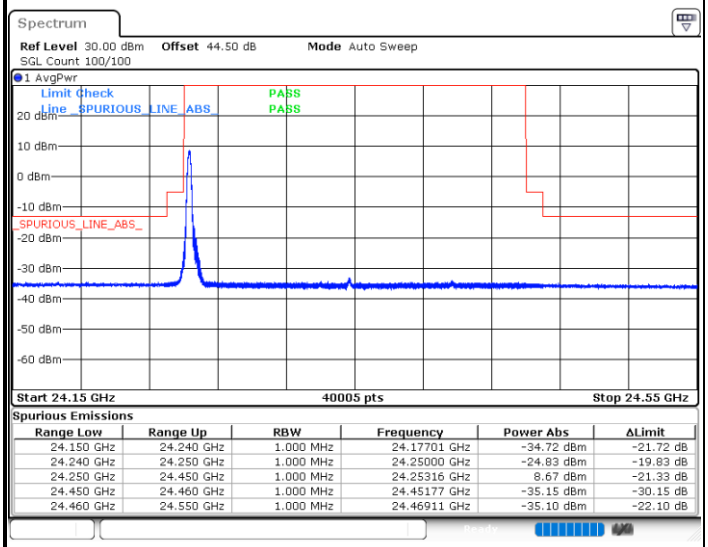
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.240 GHz	1.000 MHz	24.19869 GHz	-34.74 dBm	-21.74 dB
24.240 GHz	24.250 GHz	1.000 MHz	24.24265 GHz	-34.77 dBm	-29.77 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.44663 GHz	11.42 dBm	-18.58 dB
24.450 GHz	24.460 GHz	1.000 MHz	24.45001 GHz	-23.12 dBm	-18.12 dB
24.460 GHz	24.550 GHz	1.000 MHz	24.52358 GHz	-35.02 dBm	-22.02 dB

Date: 23.JUL.2020 03:57:10

CP-OFDM Module 0

NR Band n258a/ 100MHz / 16QAM

Lowest Band Edge / 1 RB

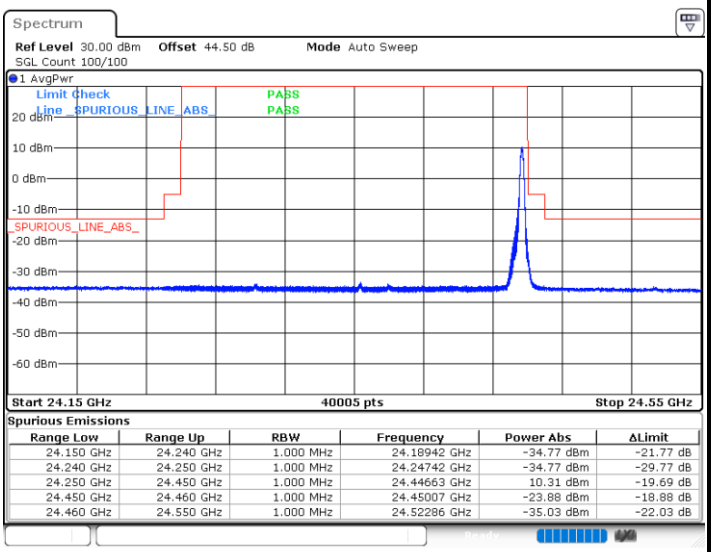


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.240 GHz	1.000 MHz	24.17701 GHz	-34.72 dBm	-21.72 dB
24.240 GHz	24.250 GHz	1.000 MHz	24.25000 GHz	-24.83 dBm	-19.83 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.25316 GHz	8.67 dBm	-21.33 dB
24.450 GHz	24.460 GHz	1.000 MHz	24.45177 GHz	-35.15 dBm	-30.15 dB
24.460 GHz	24.550 GHz	1.000 MHz	24.46911 GHz	-35.10 dBm	-22.10 dB

Date: 22.JUL.2020 20:59:01

Highest Band Edge / 1 RB



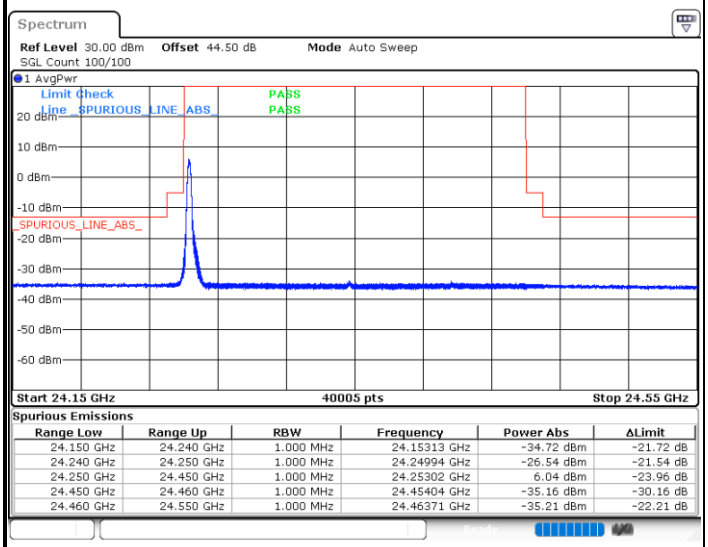
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.240 GHz	1.000 MHz	24.18942 GHz	-34.77 dBm	-21.77 dB
24.240 GHz	24.250 GHz	1.000 MHz	24.24742 GHz	-34.77 dBm	-29.77 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.44663 GHz	10.31 dBm	-19.69 dB
24.450 GHz	24.460 GHz	1.000 MHz	24.45007 GHz	-23.88 dBm	-18.88 dB
24.460 GHz	24.550 GHz	1.000 MHz	24.52286 GHz	-35.03 dBm	-22.03 dB

Date: 23.JUL.2020 03:57:50

NR Band n258a/ 100MHz / 64QAM

Lowest Band Edge / 1 RB

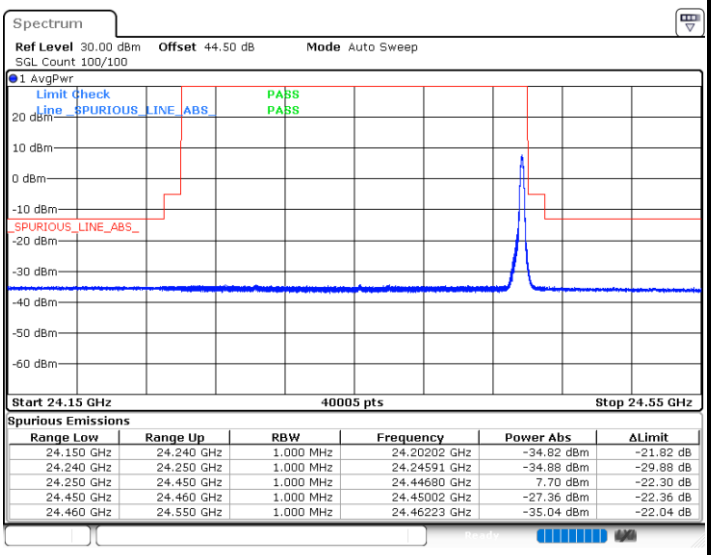


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.240 GHz	1.000 MHz	24.15313 GHz	-34.72 dBm	-21.72 dB
24.240 GHz	24.250 GHz	1.000 MHz	24.24994 GHz	-26.54 dBm	-21.54 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.25302 GHz	6.04 dBm	-23.96 dB
24.450 GHz	24.460 GHz	1.000 MHz	24.45404 GHz	-35.16 dBm	-30.16 dB
24.460 GHz	24.550 GHz	1.000 MHz	24.46371 GHz	-35.21 dBm	-22.21 dB

Date: 22.JUL.2020 21:00:09

Highest Band Edge / 1 RB



Spurious Emissions

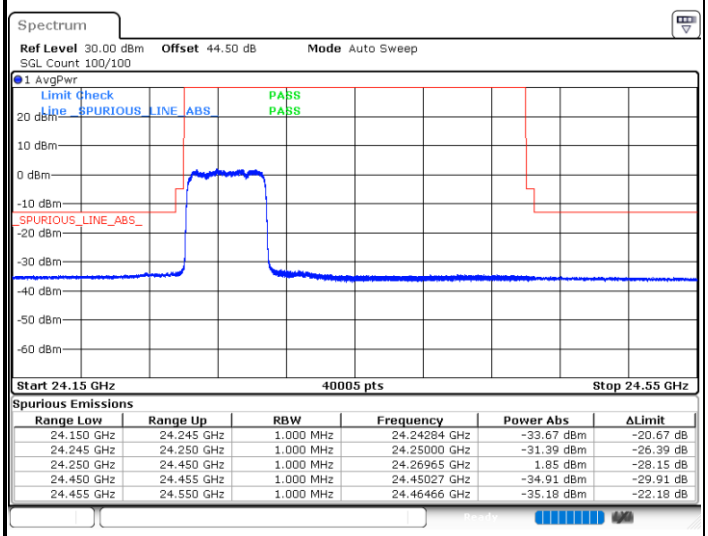
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.240 GHz	1.000 MHz	24.20202 GHz	-34.82 dBm	-21.82 dB
24.240 GHz	24.250 GHz	1.000 MHz	24.24591 GHz	-34.88 dBm	-29.88 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.44680 GHz	7.70 dBm	-22.30 dB
24.450 GHz	24.460 GHz	1.000 MHz	24.45002 GHz	-27.36 dBm	-22.36 dB
24.460 GHz	24.550 GHz	1.000 MHz	24.46223 GHz	-35.04 dBm	-22.04 dB

Date: 23.JUL.2020 03:58:52

DFT-s-OFDM Module 0

NR Band n258a/ 50MHz / BPSK

Lowest Band Edge / Full RB

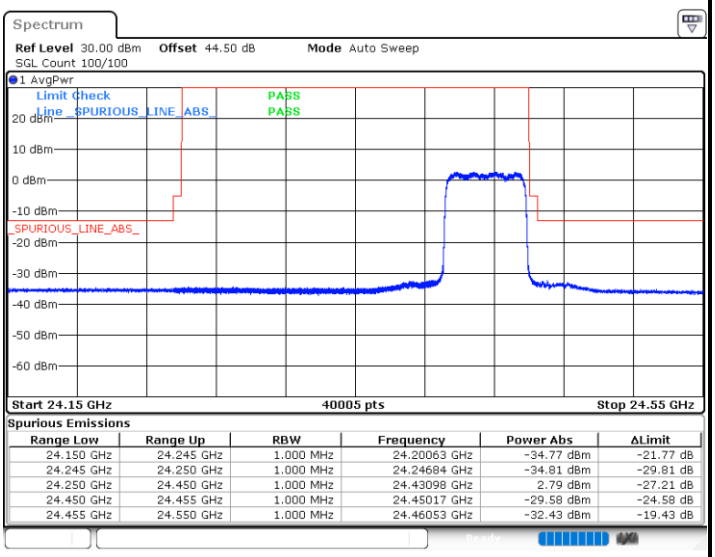


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.245 GHz	1.000 MHz	24.24284 GHz	-33.67 dBm	-20.67 dB
24.245 GHz	24.250 GHz	1.000 MHz	24.25000 GHz	-31.39 dBm	-26.39 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.26965 GHz	1.85 dBm	-28.15 dB
24.450 GHz	24.455 GHz	1.000 MHz	24.45027 GHz	-34.91 dBm	-29.91 dB
24.455 GHz	24.550 GHz	1.000 MHz	24.46466 GHz	-35.18 dBm	-22.18 dB

Date: 22.JUL.2020 19:00:16

Highest Band Edge / Full RB



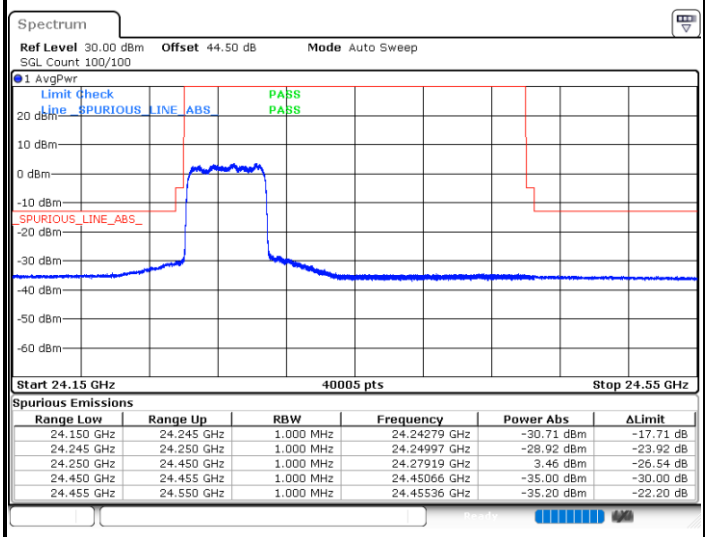
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.245 GHz	1.000 MHz	24.20063 GHz	-34.77 dBm	-21.77 dB
24.245 GHz	24.250 GHz	1.000 MHz	24.24684 GHz	-34.81 dBm	-29.81 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.43098 GHz	2.79 dBm	-27.21 dB
24.450 GHz	24.455 GHz	1.000 MHz	24.45017 GHz	-29.58 dBm	-24.58 dB
24.455 GHz	24.550 GHz	1.000 MHz	24.46053 GHz	-32.43 dBm	-19.43 dB

Date: 23.JUL.2020 02:31:04

NR Band n258a/ 50MHz / QPSK

Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.245 GHz	1.000 MHz	24.24279 GHz	-30.71 dBm	-17.71 dB
24.245 GHz	24.250 GHz	1.000 MHz	24.24997 GHz	-28.92 dBm	-23.92 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.27919 GHz	3.46 dBm	-26.54 dB
24.450 GHz	24.455 GHz	1.000 MHz	24.45066 GHz	-35.00 dBm	-30.00 dB
24.455 GHz	24.550 GHz	1.000 MHz	24.45536 GHz	-35.20 dBm	-22.20 dB

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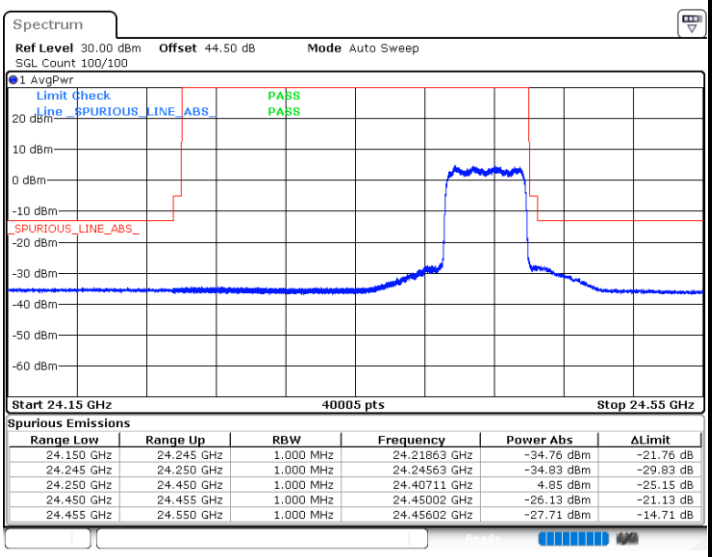
Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.245 GHz	1.000 MHz	24.21863 GHz	-34.76 dBm	-21.76 dB
24.245 GHz	24.250 GHz	1.000 MHz	24.24563 GHz	-34.83 dBm	-29.83 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.40711 GHz	4.85 dBm	-25.15 dB
24.450 GHz	24.455 GHz	1.000 MHz	24.45002 GHz	-26.13 dBm	-21.13 dB
24.455 GHz	24.550 GHz	1.000 MHz	24.45602 GHz	-27.71 dBm	-14.71 dB

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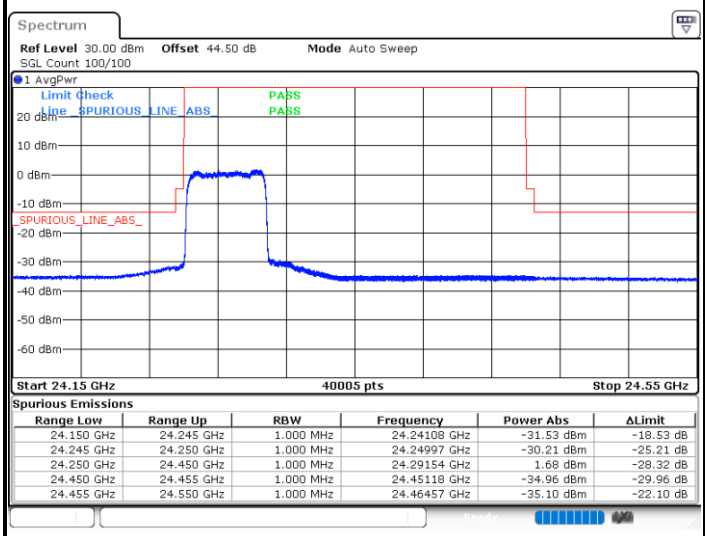
DFT-s-OFDM Module 0

NR Band n258a/ 50MHz / 16QAM

Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.245 GHz	1.000 MHz	24.24108 GHz	-31.53 dBm	-18.53 dB
24.245 GHz	24.250 GHz	1.000 MHz	24.24997 GHz	-30.21 dBm	-25.21 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.29154 GHz	1.68 dBm	-28.32 dB
24.450 GHz	24.455 GHz	1.000 MHz	24.45118 GHz	-34.96 dBm	-29.96 dB
24.455 GHz	24.550 GHz	1.000 MHz	24.46457 GHz	-35.10 dBm	-22.10 dB

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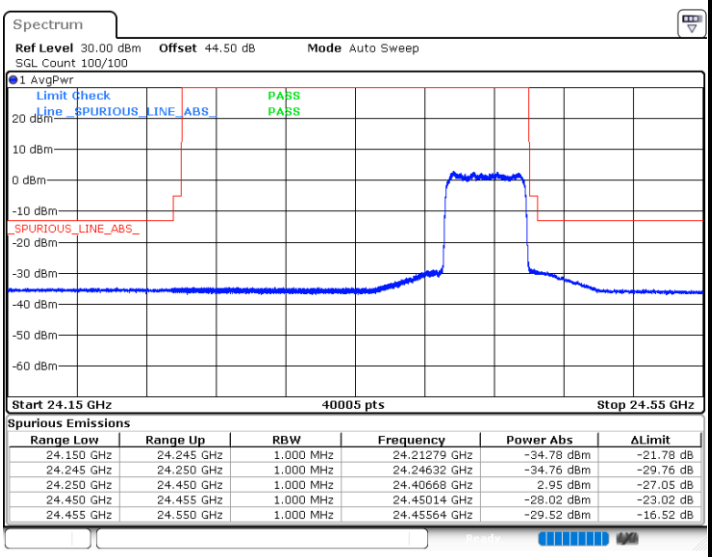
Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.245 GHz	1.000 MHz	24.21279 GHz	-34.78 dBm	-21.78 dB
24.245 GHz	24.250 GHz	1.000 MHz	24.24632 GHz	-34.76 dBm	-29.76 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.40668 GHz	2.95 dBm	-27.05 dB
24.450 GHz	24.455 GHz	1.000 MHz	24.45014 GHz	-28.02 dBm	-23.02 dB
24.455 GHz	24.550 GHz	1.000 MHz	24.45564 GHz	-29.52 dBm	-16.52 dB

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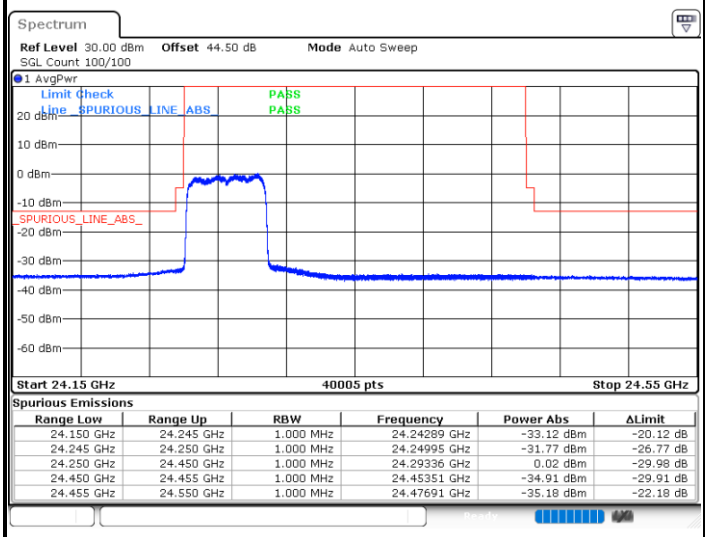
NR Band n258a/ 50MHz / 64QAM

Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.245 GHz	1.000 MHz	24.24289 GHz	-33.12 dBm	-20.12 dB
24.245 GHz	24.250 GHz	1.000 MHz	24.24995 GHz	-31.77 dBm	-26.77 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.29336 GHz	0.02 dBm	-29.98 dB
24.450 GHz	24.455 GHz	1.000 MHz	24.45351 GHz	-34.91 dBm	-29.91 dB
24.455 GHz	24.550 GHz	1.000 MHz	24.47691 GHz	-35.18 dBm	-22.18 dB

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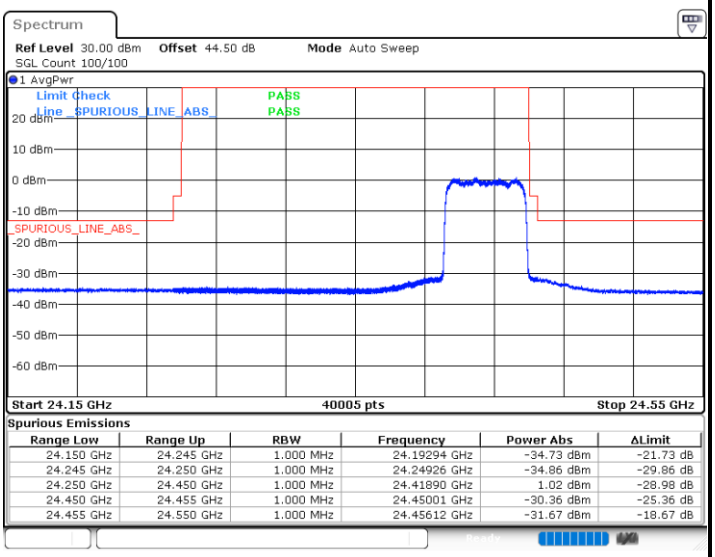
Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.245 GHz	1.000 MHz	24.19294 GHz	-34.73 dBm	-21.73 dB
24.245 GHz	24.250 GHz	1.000 MHz	24.24926 GHz	-34.86 dBm	-29.86 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.41890 GHz	1.02 dBm	-28.98 dB
24.450 GHz	24.455 GHz	1.000 MHz	24.45001 GHz	-30.36 dBm	-25.36 dB
24.455 GHz	24.550 GHz	1.000 MHz	24.45612 GHz	-31.67 dBm	-18.67 dB

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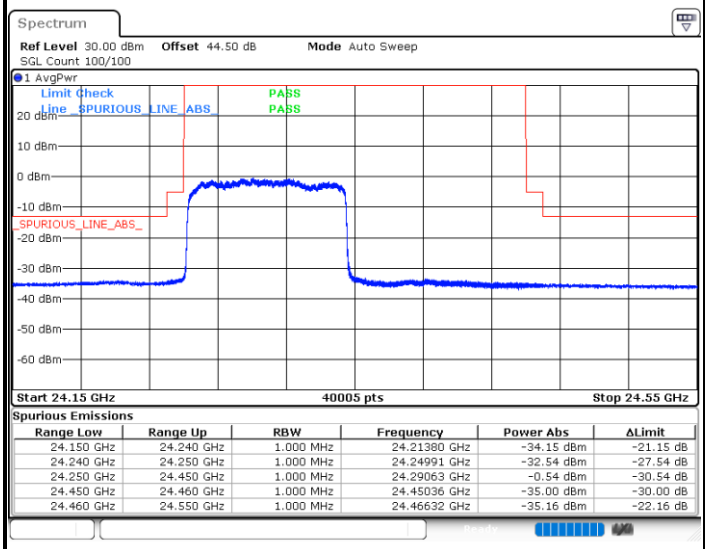
DFT-s-OFDM Module 0

NR Band n258a/ 100MHz / BPSK

Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.240 GHz	1.000 MHz	24.21380 GHz	-34.15 dBm	-21.15 dB
24.240 GHz	24.250 GHz	1.000 MHz	24.24991 GHz	-32.54 dBm	-27.54 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.29063 GHz	-0.54 dBm	-30.54 dB
24.450 GHz	24.460 GHz	1.000 MHz	24.45036 GHz	-35.00 dBm	-30.00 dB
24.460 GHz	24.550 GHz	1.000 MHz	24.46632 GHz	-35.16 dBm	-22.16 dB

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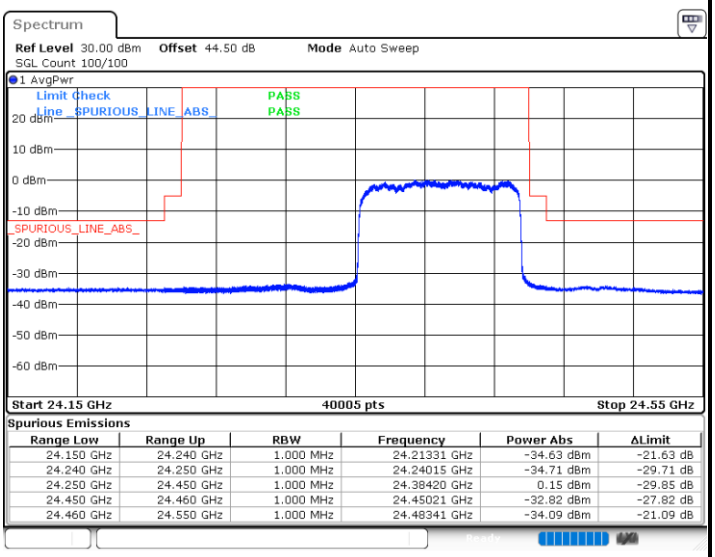
Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.240 GHz	1.000 MHz	24.21331 GHz	-34.63 dBm	-21.63 dB
24.240 GHz	24.250 GHz	1.000 MHz	24.24015 GHz	-34.71 dBm	-29.71 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.38420 GHz	0.15 dBm	-29.85 dB
24.450 GHz	24.460 GHz	1.000 MHz	24.45021 GHz	-32.82 dBm	-27.82 dB
24.460 GHz	24.550 GHz	1.000 MHz	24.48341 GHz	-34.09 dBm	-21.09 dB

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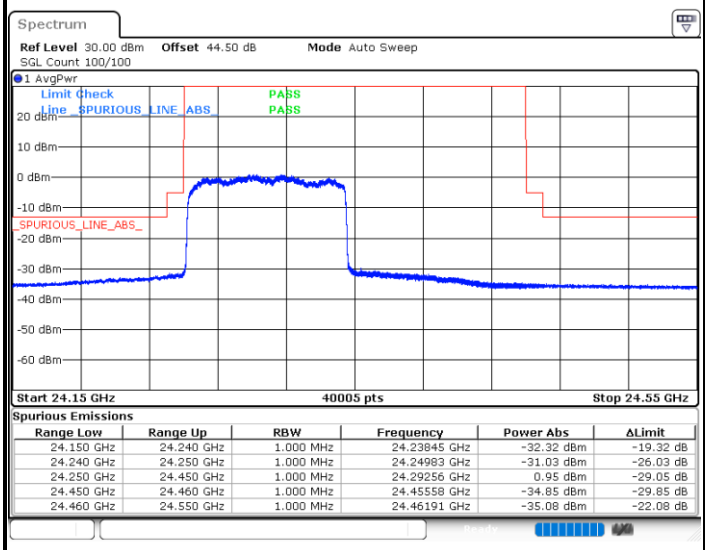
NR Band n258a/ 100MHz / QPSK

Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.240 GHz	1.000 MHz	24.23845 GHz	-32.32 dBm	-19.32 dB
24.240 GHz	24.250 GHz	1.000 MHz	24.24983 GHz	-31.03 dBm	-26.03 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.29256 GHz	0.95 dBm	-29.05 dB
24.450 GHz	24.460 GHz	1.000 MHz	24.45558 GHz	-34.85 dBm	-29.85 dB
24.460 GHz	24.550 GHz	1.000 MHz	24.46191 GHz	-35.08 dBm	-22.08 dB

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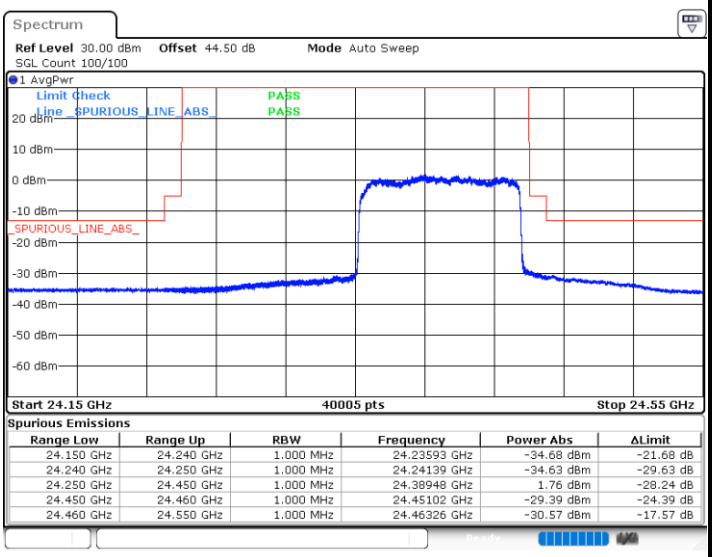
Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
24.150 GHz	24.240 GHz	1.000 MHz	24.23593 GHz	-34.68 dBm	-21.68 dB
24.240 GHz	24.250 GHz	1.000 MHz	24.24139 GHz	-34.63 dBm	-29.63 dB
24.250 GHz	24.450 GHz	1.000 MHz	24.38948 GHz	1.76 dBm	-28.24 dB
24.450 GHz	24.460 GHz	1.000 MHz	24.45102 GHz	-29.39 dBm	-24.39 dB
24.460 GHz	24.550 GHz	1.000 MHz	24.46326 GHz	-30.57 dBm	-17.57 dB

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