

# TEST REPORT

FCC Test for RT2203-48A  
Certification

**APPLICANT**  
SAMSUNG Electronics Co., Ltd.

**REPORT NO.**  
HCT-RF-2201-FC113-R2

**DATE OF ISSUE**  
June 17, 2022

**Tested by**  
Kyung Soo Kang



**Technical Manager**  
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**TEST  
REPORT**  
FCC Test for  
RT2203-48A

**REPORT NO.**  
HCT-RF-2201-FC113-R2

**DATE OF ISSUE**  
June 17, 2022

**Additional Model**  
-

<b>Applicant</b>	<b>SAMSUNG Electronics Co., Ltd.</b> 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Rep. of Korea
<b>EUT Type</b>	RRU(RT2203)
<b>Model Name</b>	RT2203-48A
<b>FCC ID</b>	A3LRT2203-48A
<b>Date of Test</b>	September 24, 2021 ~ May 27, 2022
<b>FCC Rule Parts:</b>	CFR 47 Part 2, Part 96

The result shown in this test report refer only to the sample(s) tested unless otherwise stated.  
This test results were applied only to the test methods required by the standard.

## REVISION HISTORY

The revision history for this test report is shown in table.

Revision No.	Date of Issue	Description
0	February 04, 2022	Initial Release
1	February 17, 2022	- Changed output power, and added carrier in page 5. - Revised the test results in section 5.1
2	June 17, 2022	- Retested PSD in section 5.1

The measurements shown in this report were made in accordance with the procedures indicated, and the emissions from this equipment were found to be within the limits applicable. I assume full responsibility for the accuracy and completeness of these measurements, and for the qualifications of all persons taking them. It is further stated that upon the basis of the measurements made, the equipment tested is capable of operation in accordance with the requirements of the FCC Rules under normal use and maintenance.

If this report is required to confirmation of authenticity, please contact to [www.hct.co.kr](http://www.hct.co.kr)

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## 1. GENERAL INFORMATION

### 1.1. APPLICANT INFORMATION

Company Name	Samsung Electronics Co., Ltd.
Company Address	129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Rep. of Korea

### 1.2. PRODUCT INFORMATION

EUT Type	RRU(RT2203)			
EUT Serial Number	72300121600061			
Power Supply	-48 V; 1.5 A / 57 V; 1.3 A(PoE)			
Output Power	Band	Carrier	Bandwidth	Power
	CBRS LTE	1	5 MHz	0.020 W/path, Total: 0.04 W
	CBRS LTE	1	10 MHz	0.040 W/path, Total: 0.08 W
	CBRS LTE	1	15 MHz	0.060 W/path, Total: 0.12 W
	CBRS LTE	1	20 MHz	0.079 W/path, Total: 0.16 W
	CBRS NR	1	10 MHz	0.040 W/path, Total: 0.08 W
	CBRS NR	1	20 MHz	0.079 W/path, Total: 0.16 W
	CBRS NR	1	30 MHz	0.120 W/path, Total: 0.24 W
	CBRS NR	1	40 MHz	0.125 W/path, Total: 0.25 W
	CBRS NR	1	50 MHz	0.125 W/path, Total: 0.25 W
	CBRS NR	1	60 MHz	0.125 W/path, Total: 0.25 W
	CBRS NR	1	80 MHz	0.125 W/path, Total: 0.25 W
	CBRS NR	1	100 MHz	0.125 W/path, Total: 0.25 W
	CBRS (NR + NR)	2	60 MHz + 10 MHz	0.125 W/path, Total: 0.25 W
	CBRS (NR + NR)	2	80 MHz + 10 MHz	0.125 W/path, Total: 0.25 W
	CBRS (LTE + LTE + LTE + LTE + LTE)	5	5 MHz + 5 MHz + 5 MHz + 5 MHz + 5 MHz	0.100 W/path, Total: 0.20 W
	CBRS (LTE + LTE + LTE + LTE + LTE)	5	20 MHz + 5 MHz + 5 MHz + 5 MHz + 5 MHz	0.125 W/path, Total: 0.25 W
	CBRS (LTE + LTE + LTE + LTE + LTE)	5	20 MHz + 20 MHz + 20 MHz + 20 MHz + 20 MHz	0.125 W/path, Total: 0.25 W
	CBRS (NR + NR + NR + NR + NR)	5	10 MHz + 10 MHz + 10 MHz + 10 MHz + 10 MHz	0.125 W/path, Total: 0.25 W
	CBRS (NR + NR + NR + NR + NR)	5	40 MHz + 10 MHz + 10 MHz + 10 MHz + 10 MHz	0.125 W/path, Total: 0.25 W
	CBRS (NR + NR + NR + NR + NR)	5	40 MHz + 30 MHz + 10 MHz + 10 MHz + 10 MHz	0.125 W/path, Total: 0.25 W
	CBRS (NR + NR + NR + NR + NR)	5	60 MHz + 10 MHz + 10 MHz + 10 MHz + 10 MHz	0.125 W/path, Total: 0.25 W
CBRS (NR + NR + NR + NR + LTE)	5	60 MHz + 10 MHz + 10 MHz + 10 MHz + 10 MHz	0.125 W/path, Total: 0.25 W	
CBRS (NR + NR + NR + NR + LTE)	5	10 MHz + 10 MHz + 10 MHz + 5 MHz + 5 MHz	0.125 W/path, Total: 0.25 W	

	CBRS (NR + NR + NR + NR + LTE)	5	40 MHz + 10 MHz + 10 MHz + 10 MHz + 5 MHz	0.125 W/path, Total: 0.25 W		
	CBRS (NR + NR + NR + LTE + LTE)	5	40 MHz + 10 MHz + 10 MHz + 5 MHz + 5 MHz	0.125 W/path, Total: 0.25 W		
	CBRS (NR + NR + LTE + LTE + LTE)	5	40 MHz + 40 MHz + 5 MHz + 5 MHz + 5 MHz	0.125 W/path, Total: 0.25 W		
Carrier	1CC, 2CC, 3CC, 4CC, 5CC					
Frequency Range	3 550 MHz ~ 3 700 MHz					
Emission Designator	Mode	Bandwidth	Emission Designator			
			QPSK (G7D)	Total E.I.R.P. (dBm)	QAM (W7D)	Total E.I.R.P. (dBm)
	CBRS LTE	5 MHz	4M55G7D	26.08	4M54W7D	26.13
	CBRS LTE	10 MHz	9M02G7D	29.12	9M02W7D	29.15
	CBRS LTE	15 MHz	13M6G7D	30.83	13M6W7D	30.96
	CBRS LTE	20 MHz	18M0G7D	32.31	18M0W7D	32.04
	CBRS NR	10 MHz	8M66G7D	29.24	8M67W7D	29.20
	CBRS NR	20 MHz	18M4G7D	32.76	18M4W7D	32.94
	CBRS NR	30 MHz	27M6G7D	33.87	28M0W7D	33.96
	CBRS NR	40 MHz	38M2G7D	34.17	38M1W7D	34.24
	CBRS NR	50 MHz	47M6G7D	34.50	47M6W7D	34.50
	CBRS NR	60 MHz	58M0G7D	34.46	58M0W7D	34.45
	CBRS NR	80 MHz	77M6G7D	34.50	77M8W7D	34.65
	CBRS NR	100 MHz	97M7G7D	34.46	97M7W7D	34.46
	CBRS (NR + NR) (Contiguous)	60 MHz + 10 MHz	68M1G7D	34.65	68M2W7D	34.74
	CBRS (NR + NR) (Contiguous)	80 MHz + 10 MHz	87M8G7D	34.83	88M0W7D	34.84
	CBRS (LTE + LTE + LTE + LTE + LTE) (Contiguous)	5 MHz + 5 MHz + 5 MHz + 5 MHz + 5 MHz	24M5G7D	33.07	24M5W7D	33.14
	CBRS (LTE + LTE + LTE + LTE + LTE) (Contiguous)	20 MHz + 5 MHz + 5 MHz + 5 MHz + 5 MHz	38M7G7D	34.30	38M7W7D	34.63
	CBRS (LTE + LTE + LTE + LTE + LTE) (Contiguous)	20 MHz + 20 MHz + 20 MHz + 20 MHz + 20 MHz	97M6G7D	34.31	97M8W7D	34.27
	CBRS (NR + NR + NR + NR + NR) (Contiguous)	10 MHz + 10 MHz + 10 MHz + 10 MHz + 10 MHz	48M5G7D	34.51	48M5W7D	34.51
CBRS (NR + NR + NR + NR + NR) (Contiguous)	40 MHz + 10 MHz + 10 MHz + 10 MHz + 10 MHz	78M2G7D	34.47	78M4W7D	34.70	
CBRS (NR + NR + NR + NR + NR) (Contiguous)	40 MHz + 30 MHz + 10 MHz + 10 MHz + 10 MHz	98M2G7D	34.47	98M3W7D	34.34	
CBRS (NR + NR + NR + NR + NR) (Contiguous)	60 MHz + 10 MHz + 10 MHz + 10 MHz + 10 MHz	98M1G7D	34.45	98M1W7D	34.46	
CBRS (NR + NR + NR + NR + LTE) (Contiguous)	60 MHz + 10 MHz + 10 MHz + 10 MHz + 10 MHz	98M0G7D	34.45	98M1W7D	34.46	
CBRS (NR + NR + NR + LTE + LTE)	10 MHz + 10 MHz +	38M7G7D	34.82	38M7W7D	34.79	

(Contiguous)	10 MHz + 5 MHz + 5 MHz				
CBRS (NR + NR + NR + NR + LTE) (Contiguous)	40 MHz + 10 MHz + 10 MHz + 10 MHz + 5 MHz	73M5G7D	34.51	73M6W7D	34.57
CBRS (NR + NR + NR + LTE + LTE) (Contiguous)	40 MHz + 10 MHz + 10 MHz + 5 MHz + 5 MHz	68M3G7D	34.64	68M4W7D	34.59
CBRS (NR + NR + LTE + LTE + LTE) (Contiguous)	40 MHz + 40 MHz + 5 MHz + 5 MHz + 5 MHz	93M2G7D	34.49	93M2W7D	34.60
CBRS (NR + NR) (Non-Contiguous)	10 MHz + 60 MHz	66M6G7D	34.80	66M5W7D	34.56
CBRS (NR + NR) (Non-Contiguous)	60 MHz + 10 MHz	66M6G7D	34.70	66M6W7D	34.77
CBRS (NR + NR) (Non-Contiguous)	10 MHz + 80 MHz	86M2G7D	34.74	86M2W7D	34.83
CBRS (NR + NR) (Non-Contiguous)	80 MHz + 10 MHz	86M3G7D	34.67	86M3W7D	34.75
CBRS (LTE + LTE + LTE + LTE + LTE) (Non-Contiguous) (1C+4C)	5 MHz + 5 MHz + 5 MHz + 5 MHz + 5 MHz	24M0G7D	33.13	24M0W7D	33.14
CBRS (LTE + LTE + LTE + LTE + LTE) (Non-Contiguous) (4C+1C)	5 MHz + 5 MHz + 5 MHz + 5 MHz + 5 MHz	24M0G7D	33.15	24M0W7D	33.12
CBRS (LTE + LTE + LTE + LTE + LTE) (Non-Contiguous) (1C+4C)	20 MHz + 5 MHz + 5 MHz + 5 MHz + 5 MHz	38M1G7D	34.45	38M2W7D	34.66
CBRS (LTE + LTE + LTE + LTE + LTE) (Non-Contiguous) (4C+1C)	20 MHz + 5 MHz + 5 MHz + 5 MHz + 5 MHz	38M2G7D	34.21	38M2W7D	34.27
CBRS (LTE + LTE + LTE + LTE + LTE) (Non-Contiguous) (1C+4C)	20 MHz + 20 MHz + 20 MHz + 20 MHz + 20 MHz	95M5G7D	34.55	95M7W7D	34.56
CBRS (LTE + LTE + LTE + LTE + LTE) (Non-Contiguous) (4C+1C)	20 MHz + 20 MHz + 20 MHz + 20 MHz + 20 MHz	95M6G7D	34.42	95M7W7D	34.47
CBRS (NR + NR + NR + NR + NR) (Non-Contiguous) (1C+4C)	10 MHz + 10 MHz + 10 MHz + 10 MHz + 10 MHz	47M3G7D	34.30	47M3W7D	34.31
CBRS (NR + NR + NR + NR + NR) (Non-Contiguous) (4C+1C)	10 MHz + 10 MHz + 10 MHz + 10 MHz + 10 MHz	47M2G7D	34.95	47M3W7D	34.80
CBRS (NR + NR + NR + NR + NR) (Non-Contiguous) (1C+4C)	40 MHz + 10 MHz + 10 MHz + 10 MHz + 10 MHz	76M8G7D	34.63	76M8W7D	34.80
CBRS (NR + NR + NR + NR + NR) (Non-Contiguous) (4C+1C)	40 MHz + 10 MHz + 10 MHz + 10 MHz + 10 MHz	76M6G7D	34.64	76M7W7D	34.63
CBRS (NR + NR + NR + NR + NR) (Non-Contiguous) (1C+4C)	40 MHz + 30 MHz + 10 MHz + 10 MHz + 10 MHz	96M6G7D	34.42	96M6W7D	34.57
CBRS (NR + NR + NR + NR + NR) (Non-Contiguous) (4C+1C)	40 MHz + 30 MHz + 10 MHz + 10 MHz + 10 MHz	96M7G7D	34.46	96M7W7D	34.59
CBRS (NR + NR + NR + NR + NR) (Non-Contiguous) (1C+4C)	60 MHz + 10 MHz + 10 MHz + 10 MHz + 10 MHz	96M5G7D	34.46	96M5W7D	34.46

	CBRS (NR + NR + NR + NR + NR) (Non-Contiguous) (4C+1C)	60 MHz + 10 MHz + 10 MHz + 10 MHz + 10 MHz	96M5G7D	34.42	96M4W7D	34.45
	CBRS (NR + NR + NR + NR + LTE) (Non-Contiguous) (1C+4C)	60 MHz + 10 MHz + 10 MHz + 10 MHz + 10 MHz	96M5G7D	34.46	96M6W7D	34.43
	CBRS (NR + NR + NR + NR + LTE) (Non-Contiguous) (4C+1C)	60 MHz + 10 MHz + 10 MHz + 10 MHz + 10 MHz	96M4G7D	34.40	96M5W7D	34.44
	CBRS (NR + NR + NR + LTE + LTE) (Non-Contiguous) (1C+4C)	10 MHz + 10 MHz + 10 MHz + 5 MHz + 5 MHz	37M7G7D	34.64	37M7W7D	34.58
	CBRS (NR + NR + NR + LTE + LTE) (Non-Contiguous) (4C+1C)	10 MHz + 10 MHz + 10 MHz + 5 MHz + 5 MHz	37M7G7D	34.51	37M7W7D	34.69
	CBRS (NR + NR + NR + NR + LTE) (Non-Contiguous) (1C+4C)	40 MHz + 10 MHz + 10 MHz + 10 MHz + 5 MHz	72M2G7D	34.43	72M2W7D	34.39
	CBRS (NR + NR + NR + NR + LTE) (Non-Contiguous) (4C+1C)	40 MHz + 10 MHz + 10 MHz + 10 MHz + 5 MHz	72M1G7D	34.26	72M1W7D	34.34
	CBRS (NR + NR + NR + LTE + LTE) (Non-Contiguous) (1C+4C)	40 MHz + 10 MHz + 10 MHz + 5 MHz + 5 MHz	67M3G7D	34.83	67M4W7D	34.78
	CBRS (NR + NR + NR + LTE + LTE) (Non-Contiguous) (4C+1C)	40 MHz + 10 MHz + 10 MHz + 5 MHz + 5 MHz	67M3G7D	34.48	67M4W7D	34.56
	CBRS (NR + NR + LTE + LTE + LTE) (Non-Contiguous) (1C+4C)	40 MHz + 40 MHz + 5 MHz + 5 MHz + 5 MHz	92M0G7D	34.19	92M2W7D	34.38
	CBRS (NR + NR + LTE + LTE + LTE) (Non-Contiguous) (4C+1C)	40 MHz + 40 MHz + 5 MHz + 5 MHz + 5 MHz	92M2G7D	34.27	92M3W7D	34.47
Modulation Type	LTE: QPSK, 16QAM, 64QAM, 256QAM, 1024QAM NR: QPSK, 16QAM, 64QAM, 256QAM					
CBSD Category	Category A CBSD					
Antenna Specification	Peak Gain: 5.5 dBi (Directional Gain: 8.5 dBi / Correlated, Co-polarized) Antenna type: Integrated Beam pattern type: Omni					

### 1.3. TEST INFORMATION

FCC Rule Parts	CFR 47 Part 2, Part 96
Measurement standards	ANSI C63.26-2015, KDB 662911 D01 v02r01, KDB 971168 D01 v03r01, KDB 940660 D01 v03
Place of Test	HCT CO., LTD. 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, 17383, Rep. of KOREA

## 2. FACILITIES AND ACCREDITATIONS

### 2.1. FACILITIES

The SAC(Semi-Anechoic Chamber) and conducted measurement facility used to collect the radiated data are located at the 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, 17383, Rep. of KOREA.

The site is constructed in conformance with the requirements of ANSI C63.4. (Version :2014) and CISPR Publication 22.

Detailed description of test facility was submitted to the Commission and accepted dated April 02, 2018 (Registration Number: KR0032).

### 2.2. EQUIPMENT

Radiated emissions are measured with one or more of the following types of Linearly polarized antennas: tuned dipole, bi-conical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with pre-selectors and quasi-peak detectors are used to perform radiated measurements.

Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

### 3. TEST SPECIFICATIONS

#### 3.1. STANDARDS

The following tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with FCC Part 2, Part 96

Description	Reference	Results
RF Output Power and PSD	§ 2.1046, § 96.41 (b)	Compliant
PAPR	§ 2.1046, § 96.41 (g)	Compliant
Occupied Bandwidth	§ 2.1049	Compliant
Out-of-band Unwanted Emissions	§ 96.41 (e)	Compliant
Spurious Unwanted Emissions	§ 96.41 (e)	Compliant
Radiated Emissions	§ 96.41 (e)	Compliant
Frequency Stability	§ 2.1055	Compliant

### 3.2. ADDITIONAL DESCRIPTIONS ABOUT TEST

- The EUT was operated in a manner representative of the typical usage of the equipment.
- During all testing, system components were manipulated within the confines of typical usage to maximize each emission.
- CC means component carriers and EUT support 1CC ~ 5CC.
- Test was performed the carrier 1 and 5 case having maximum output power and maximum PSD(It means the worst case.).
- All LTE and NR modulation types (LTE: QPSK, 16QAM, 64QAM, 256QAM, 1024QAM; NR: QPSK, 16QAM, 64QAM, 256QAM) supported by the EUT have been tested.
- All mode of operation, supporting bandwidth and frequencies were investigated. The test plots shown in the following sections represent the worst case emissions.
- The measurement has been performed for LTE and NR carriers in the mode of full resource block size as worst case to transmit maximum output power.
- The dummy loads were connected to the RF output ports for radiated spurious emission testing.
- The device was operating at 100% duty cycle.
- The tests results in plots are already including the actual value of loss for the attenuator and cable combination. Please check correction factors below table.

**Correction factor table**

Frequency (MHz)	Factor (dB)	Frequency (MHz)	Factor (dB)
500	10.751	20 000	16.715
600	10.844	21 000	16.598
700	10.973	22 000	17.975
800	10.966	23 000	17.160
900	11.058	24 000	17.120
1 000	11.110	25 000	16.564
2 000	11.643	26 000	16.837
3 000	12.022	27 000	16.909
4 000	12.375	28 000	18.215
5 000	13.094	29 000	19.401
6 000	12.812	30 000	17.980
7 000	13.126	31 000	19.830
8 000	13.238	32 000	18.889
9 000	13.172	33 000	20.630
10 000	13.765	34 000	20.643
11 000	14.395	35 000	26.629
12 000	14.682	36 000	27.607
13 000	14.825	37 000	21.327
14 000	14.942	38 000	18.146
15 000	15.390	39 000	18.678
16 000	15.518	39 500	17.102
17 000	15.538	-	-
18 000	15.429	-	-
19 000	15.761	-	-

**3.3. MAXIMUM MEASUREMENT UNCERTAINTY**

Description	Condition	Uncertainty
Radiated Disturbance	9 kHz ~ 30 MHz	4.40 dB
	30 MHz ~ 1 GHz	5.74 dB
	1 GHz ~ 18 GHz	5.51 dB
	18 GHz ~ 40 GHz	5.92 dB

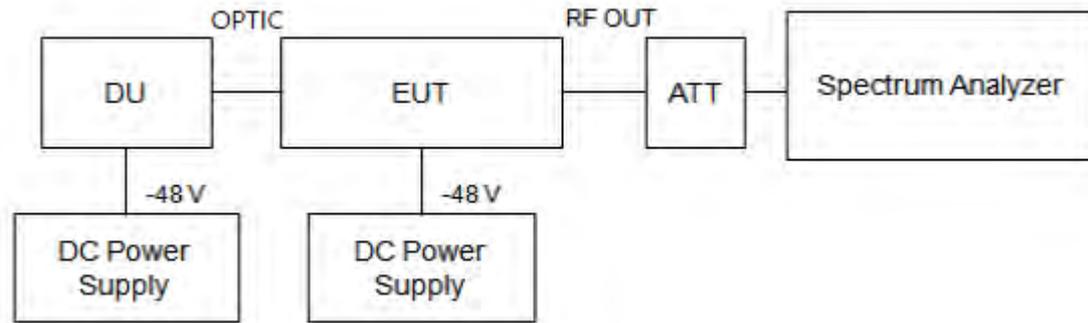
Coverage factor  $k=2$ , Confidence levels of 95 %

**3.4. STANDARDS ENVIRONMENTAL TEST CONDITIONS**

<b>Temperature :</b>	+15 °C to +35 °C
<b>Relative humidity:</b>	30 % to 60 %
<b>Air pressure</b>	860 mbar to 1 060 mbar

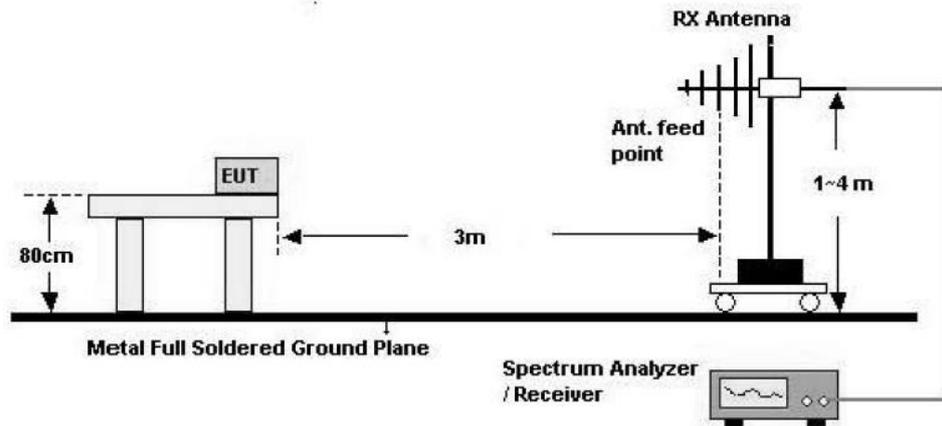
## 3.5. TEST DIAGRAMS

## Conducted Test

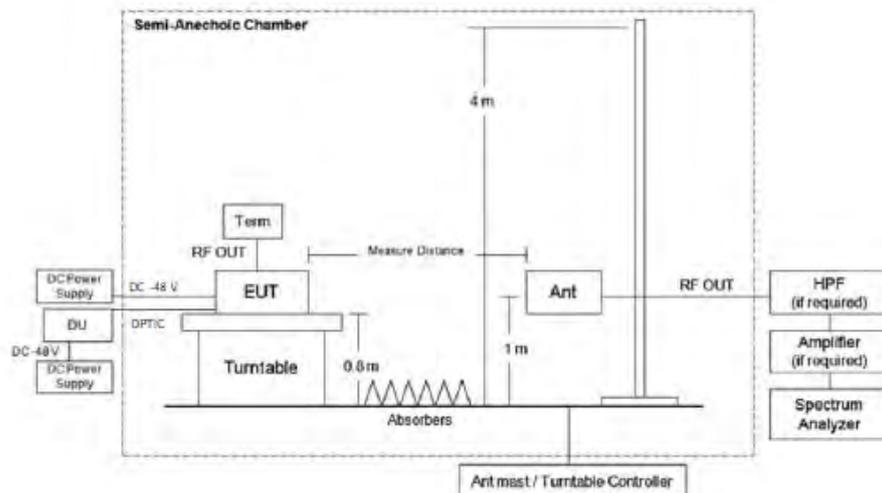


## Radiated Test

30 MHz ~ 1 GHz



Above 1 GHz

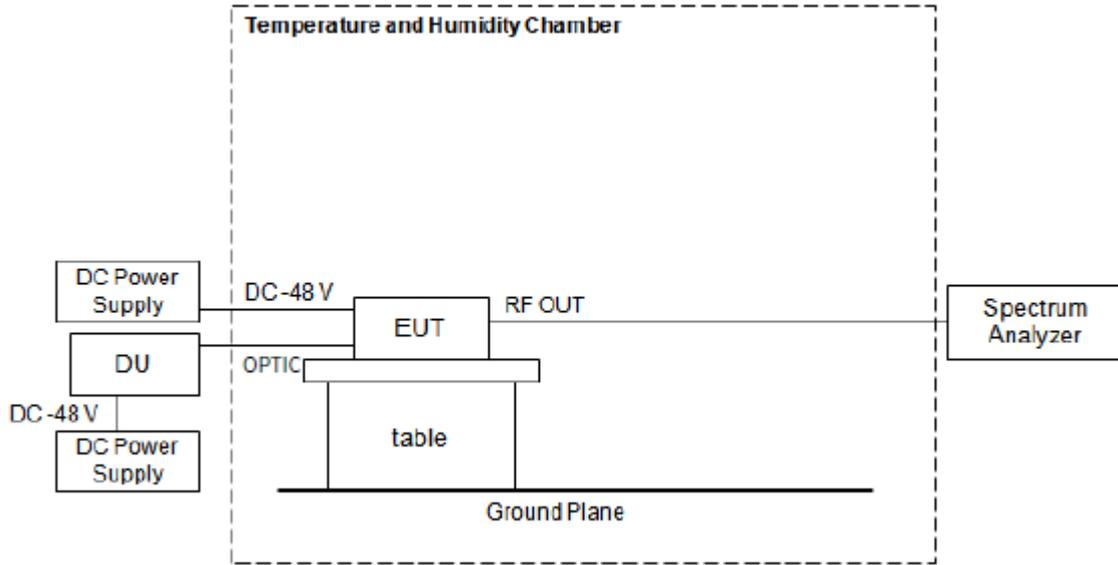


※ EUT position is adopted by placement of floor-standing refer to section 5.5.2.3.2 of ANSI C63.26-2015

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Frequency Stability

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**Note:** All modulations(LTE: QPSK, 16QAM, 64QAM, 256QAM, 1024QAM; NR: QPSK, 16QAM, 64QAM, 256QAM) were investigated and the worst case configuration channel results are reported.

#### 4. TEST EQUIPMENTS

Equipment	Model	Manufacturer	Serial No.	Due to Calibration	Calibration Interval
MXA Signal Analyzer	N9020A	Agilent	MY46471250	2023-07-22	Annual
PXA Signal Analyzer	N9030A	Keysight	MY49431434	2023-01-05	Annual
PXA Signal Analyzer	N9030B	Keysight	MY60070602	2022-10-22	Annual
10 dB Attenuator	8493C	H.P.	01965	2022-07-07	Annual
20 dB Attenuator	FAS-23-20	MCLI	103756	2023-01-03	Annual
DC Power Supply	PWR800L	KIKUSUI	RK000880	2022-07-20	Annual
Temperature and Humidity Chamber	SU-642	ESPEC	93008124	2023-03-04	Annual
Amp & Filter Bank Switch Controller	FBSM-01B	TNM system	TM19050002	N/A	N/A
Controller(Antenna mast & Turn Table)	CO3000	Innco systems	CO3000-4p	N/A	N/A
Antenna Position Tower	MA4640/800-XP-ET	Innco systems	N/A	N/A	N/A
Turn Table	N/A	Audix	N/A	N/A	N/A
Controller	EM1000	Audix	060520	N/A	N/A
Loop Antenna	FMZB 1513	Schwarzbeck	1513-333	2024-03-17	Biennial
Hybrid Antenna	VULB 9168	Schwarzbeck	9168-0895	2022-09-04	Biennial
Horn Antenna	BBHA 9120D	Schwarzbeck	02296	2023-05-19	Biennial
Horn Antenna(15 GHz ~ 40 GHz)	BBHA9170	Schwarzbeck	BBHA9170124	2023-04-12	Biennial
Spectrum Analyzer	FSV	Rohde & Schwarz	101055	2023-05-16	Annual
HPF(7 ~ 18 GHz) + LNA2(6 ~ 18 GHz)	FBSR-05B	TNM system	28550	2023-01-19	Annual
Low Noise Amplifier	LLAU1183540Q	LTC Microwave	100	2022-09-16	Annual
Power Amplifier	CBL18265035	CERNEX	22966	2022-12-02	Annual
Power Amplifier	CBL26405040	CERNEX	25956	2023-03-11	Annual

**Note:**

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.
2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date, or will be tested after the calibration is completed.

## 5. TEST RESULT

### 5.1. RF OUTPUT POWER and PSD

#### Test Requirements:

##### § 2.1046 Measurements required: RF power output.

- (a) For transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, power output shall be measured at the RF output terminals when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current and voltage on the circuit elements specified in § 2.1033(c)(8). The electrical characteristics of the radio frequency load attached to the output terminals when this test is made shall be stated.
- (b) For single sideband, independent sideband, and single channel, controlled carrier radiotelephone transmitters the procedure specified in paragraph (a) of this section shall be employed and, in addition, the transmitter shall be modulated during the test as specified and applicable in § 2.1046 (b) (1-5). In all tests, the input level of the modulating signal shall be such as to develop rated peak envelope power or carrier power, as appropriate, for the transmitter.
- (c) For measurements conducted pursuant to paragraphs (a) and (b) of this section, all calculations and methods used by the applicant for determining carrier power or peak envelope power, as appropriate, on the basis of measured power in the radio frequency load attached to the transmitter output terminals shall be shown. Under the test conditions specified, no components of the emission spectrum shall exceed the limits specified in the applicable rule parts as necessary for meeting occupied bandwidth or emission limitations.

##### § 96.41(b) General radio requirements: Power limits.

- (b) Unless otherwise specified in this section, the maximum effective isotropic radiated power (EIRP) and maximum Power Spectral Density (PSD) of any CBSD and End User Device must comply with the limits shown in the table in this paragraph (b):

Device	Maximum EIRP (dBm/10megahertz)	Maximum PSD (dBm/MHz)
End User Device	23	n/a
Category A CBSD	30	20
Category B CBSD <sup>1</sup>	47	37

<sup>1</sup>Category B CBSDs will only be authorized for use after an ESC is approved and commercially deployed consistent with § § 96.15 and 96.67.

#### Test Procedures:

The measurement is performed in accordance with Section 5.2.4.4.1 of ANSI C63.26.

The EUT is considered to transmit continuously if it can be configured to transmit at a burst duty cycle of greater than or equal to 98% throughout the duration of the measurement. If this condition can be achieved, then the following procedure can be used to measure the average output power of the EUT.

- a) Set span to 2 × to 3 × the OBW.

- b) Set RBW = 1 % to 5 % of the OBW.
- c) Set VBW  $\geq 3 \times$  RBW.
- d) Set number of measurement points in sweep  $\geq 2 \times$  span / RBW.
- e) Sweep time:
  - 1) Set = auto-couple, or
  - 2) Set  $\geq [10 \times (\text{number of points in sweep}) \times (\text{transmission period})]$  for single sweep (automation-compatible) measurement. Transmission period is the on and off time of the transmitter.
- f) Detector = power averaging (rms).
- g) If the EUT can be configured to transmit continuously, then set the trigger to free run.
- h) If the EUT cannot be configured to transmit continuously, then use a sweep trigger with the level set to enable triggering only on full power bursts and configure the EUT to transmit at full power for the entire duration of each sweep. Verify that the sweep time is less than or equal to the transmission burst duration. Time gating can also be used under similar constraints (i.e., configured such that measurement data is collected only during active full-power transmissions).
- i) Trace average at least 100 traces in power averaging (rms) mode if sweep is set to auto-couple. To accurately determine the average power over multiple symbols, it can be necessary to increase the number of traces to be averaged above 100 or, if using a manually configured sweep time, increase the sweep time.
- j) Compute the power by integrating the spectrum across the OBW of the signal using the instrument's band or channel power measurement function, with the band/channel limits set equal to the OBW band edges. If the instrument does not have a band or channel power function, then sum the spectrum levels (in linear power units) at intervals equal to the RBW extending across the entire OBW of the spectrum.

The measurement is performed in accordance with Section 5.2.4.5 of ANSI C63.26.

Some regulatory requirements specify the RF output power limits in terms of maximum or average PSD, (i.e., the output power or unwanted emissions power limits are defined within a specified reference bandwidth).

When average PSD limits are specified, the same fundamental measurement condition applies as previously discussed (i.e., averaging is to be performed only over durations of active transmissions at maximum output power level). Thus, when performing this measurement, the EUT must either be configured to transmit continuously at full power while the compliance measurement is performed, or else the measurement instrumentation must be configured to acquire data only over durations when the EUT is actively transmitting at full power. In circumstances where neither of these conditions can be realized, then alternative procedures are provided for both constant duty cycle and non-constant duty cycle transmissions.

The PSD is measured following the same procedures described in 5.2.4.4 for measuring the total average power, but with the RBW set to the reference bandwidth specified by the applicable regulatory requirement, and by using the marker function to identify the maximum PSD instead of summing the power across the OBW. If the fundamental measurement condition cannot be realized, then one of the alternative procedures in 5.2.4.4.2 or 5.2.4.4.3 should be selected, based on whether the transmitter duty cycle is constant (variations  $\leq \pm 2\%$ ) or non-constant (variations  $> \pm 2\%$ ), respectively.

**Note:**

- (1) Because the test equipment does not support RBW of RBW narrower than reference bandwidth is used. So following correction factor is applied.
  - $10 \log [(reference\ bandwidth)/(resolution\ bandwidth)]$
  - : 5 MHz LTE signal applied 1 MHz RBW,  $10 \log (5\text{ MHz} / 1\text{ MHz}) = 6.99\text{ dB}$
  - : All other LTE signals applied 1 MHz RBW,  $10 \log (10\text{ MHz} / 1\text{ MHz}) = 10\text{ dB}$
  - : Greater or equal to 10 MHz NR signal applied 8 MHz RBW,  $10 \log (10\text{ MHz} / 8\text{ MHz}) = 0.97\text{ dB}$
- (2) E.I.R.P. (dBm/10 MHz) Sample Calculation:
  - For LTE Signal,  
 $7.64\text{ dBm/MHz (Measured Value)} + 8.5\text{ dBi (Directional Gain)} + 10\text{ dB (RBW Correction)}$   
 $= 26.14\text{ dBm/10 MHz (Final E.I.R.P.)}$
  - For greater or equal to 10 MHz NR Signal,  
 $16.83\text{ dBm/8MHz (Measured Value)} + 8.5\text{ dBi (Directional Gain)} + 0.97\text{ dB (RBW Correction)}$   
 $= 26.29\text{ dBm/10 MHz (Final E.I.R.P.)}$
- (3) The results of the Conducted output power and PSD test shown below the frequency measured values are very small and similar trend for each port, so we are attached only the worst case plot.
- (4) All power supplies of operation were investigated and the worst case configuration results are reported.
  - Mode: 48 V; 1.5 A / 57 V; 1.3 A(PoE)
  - Worst case: 48 V; 1.5 A

**Test Results:**  
**Tabular Data of RF output power**
**CBRS LTE 5 MHz 1 Carrier**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	3 552.50	12.22	0.02
		Middle	3 625.00	12.37	0.02
		High	3 697.50	12.44	0.02
	16QAM	Low	3 552.50	12.43	0.02
		Middle	3 625.00	12.42	0.02
		High	3 697.50	12.36	0.02
	64QAM	Low	3 552.50	12.32	0.02
		Middle	3 625.00	12.33	0.02
		High	3 697.50	12.32	0.02
	256QAM	Low	3 552.50	12.54	0.02
		Middle	3 625.00	12.35	0.02
		High	3 697.50	12.41	0.02
	1024QAM	Low	3 552.50	12.37	0.02
		Middle	3 625.00	12.30	0.02
		High	3 697.50	12.30	0.02
1	QPSK	Low	3 552.50	12.73	0.02
		Middle	3 625.00	12.24	0.02
		High	3 697.50	12.69	0.02
	16QAM	Low	3 552.50	12.77	0.02
		Middle	3 625.00	12.57	0.02
		High	3 697.50	12.63	0.02
	64QAM	Low	3 552.50	12.66	0.02
		Middle	3 625.00	12.60	0.02
		High	3 697.50	12.73	0.02
	256QAM	Low	3 552.50	12.42	0.02
		Middle	3 625.00	12.77	0.02
		High	3 697.50	12.53	0.02
	1024QAM	Low	3 552.50	12.50	0.02
		Middle	3 625.00	12.68	0.02
		High	3 697.50	12.48	0.02

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)				
	QPSK	16QAM	64QAM	256QAM	1024QAM
	W				
3 552.50	0.04	0.04	0.04	0.04	0.04
3 625.00	0.04	0.04	0.04	0.04	0.04
3 697.50	0.04	0.04	0.04	0.04	0.04

**CBRS LTE 10 MHz 1 Carrier**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	3 555.00	15.11	0.03
		Middle	3 625.00	15.18	0.03
		High	3 695.00	15.15	0.03
	16QAM	Low	3 555.00	15.16	0.03
		Middle	3 625.00	15.06	0.03
		High	3 695.00	15.27	0.03
	64QAM	Low	3 555.00	15.06	0.03
		Middle	3 625.00	15.08	0.03
		High	3 695.00	15.29	0.03
	256QAM	Low	3 555.00	15.20	0.03
		Middle	3 625.00	15.28	0.03
		High	3 695.00	15.12	0.03
	1024QAM	Low	3 555.00	15.08	0.03
		Middle	3 625.00	15.17	0.03
		High	3 695.00	15.30	0.03
1	QPSK	Low	3 555.00	15.14	0.03
		Middle	3 625.00	15.32	0.03
		High	3 695.00	15.46	0.04
	16QAM	Low	3 555.00	15.13	0.03
		Middle	3 625.00	15.39	0.03
		High	3 695.00	15.51	0.04
	64QAM	Low	3 555.00	15.26	0.03
		Middle	3 625.00	15.33	0.03
		High	3 695.00	15.28	0.03
	256QAM	Low	3 555.00	15.26	0.03
		Middle	3 625.00	15.36	0.03
		High	3 695.00	15.21	0.03
	1024QAM	Low	3 555.00	15.10	0.03
		Middle	3 625.00	15.42	0.03
		High	3 695.00	15.45	0.04

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)				
	QPSK	16QAM	64QAM	256QAM	1024QAM
	W				
3 555.00	0.07	0.07	0.07	0.07	0.07
3 625.00	0.07	0.07	0.07	0.07	0.07
3 695.00	0.07	0.07	0.07	0.07	0.07

**CBRS LTE 15 MHz 1 Carrier**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	3 557.50	17.58	0.06
		Middle	3 625.00	17.30	0.05
		High	3 692.50	17.51	0.06
	16QAM	Low	3 557.50	17.43	0.06
		Middle	3 625.00	17.33	0.05
		High	3 692.50	17.44	0.06
	64QAM	Low	3 557.50	17.50	0.06
		Middle	3 625.00	17.44	0.06
		High	3 692.50	17.40	0.05
	256QAM	Low	3 557.50	17.55	0.06
		Middle	3 625.00	17.40	0.05
		High	3 692.50	17.36	0.05
	1024QAM	Low	3 557.50	17.43	0.06
		Middle	3 625.00	17.34	0.05
		High	3 692.50	17.16	0.05
1	QPSK	Low	3 557.50	17.39	0.05
		Middle	3 625.00	17.21	0.05
		High	3 692.50	17.23	0.05
	16QAM	Low	3 557.50	17.22	0.05
		Middle	3 625.00	17.13	0.05
		High	3 692.50	17.13	0.05
	64QAM	Low	3 557.50	17.46	0.06
		Middle	3 625.00	17.28	0.05
		High	3 692.50	17.28	0.05
	256QAM	Low	3 557.50	17.24	0.05
		Middle	3 625.00	17.26	0.05
		High	3 692.50	17.29	0.05
	1024QAM	Low	3 557.50	17.12	0.05
		Middle	3 625.00	17.34	0.05
		High	3 692.50	17.11	0.05

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)				
	QPSK	16QAM	64QAM	256QAM	1024QAM
	W				
3 557.50	0.11	0.11	0.11	0.11	0.11
3 625.00	0.11	0.11	0.11	0.11	0.11
3 692.50	0.11	0.11	0.11	0.11	0.11

**CBRS LTE 20 MHz 1 Carrier**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	3 560.00	18.82	0.08
		Middle	3 625.00	18.67	0.07
		High	3 690.00	18.69	0.07
	16QAM	Low	3 560.00	18.77	0.08
		Middle	3 625.00	18.86	0.08
		High	3 690.00	18.73	0.07
	64QAM	Low	3 560.00	18.90	0.08
		Middle	3 625.00	18.91	0.08
		High	3 690.00	18.66	0.07
	256QAM	Low	3 560.00	18.93	0.08
		Middle	3 625.00	18.65	0.07
		High	3 690.00	18.67	0.07
	1024QAM	Low	3 560.00	18.92	0.08
		Middle	3 625.00	18.80	0.08
		High	3 690.00	18.64	0.07
1	QPSK	Low	3 560.00	18.64	0.07
		Middle	3 625.00	18.64	0.07
		High	3 690.00	18.23	0.07
	16QAM	Low	3 560.00	18.52	0.07
		Middle	3 625.00	18.52	0.07
		High	3 690.00	18.32	0.07
	64QAM	Low	3 560.00	18.60	0.07
		Middle	3 625.00	18.61	0.07
		High	3 690.00	18.54	0.07
	256QAM	Low	3 560.00	18.57	0.07
		Middle	3 625.00	18.13	0.07
		High	3 690.00	18.49	0.07
	1024QAM	Low	3 560.00	18.42	0.07
		Middle	3 625.00	18.34	0.07
		High	3 690.00	18.65	0.07

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)				
	QPSK	16QAM	64QAM	256QAM	1024QAM
	W				
3 560.00	0.15	0.15	0.15	0.15	0.15
3 625.00	0.15	0.15	0.15	0.14	0.15
3 690.00	0.14	0.14	0.15	0.15	0.15

**CBRS NR 10 MHz 1 Carrier**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	3 555.00	15.79	0.04
		Middle	3 625.00	15.70	0.04
		High	3 695.00	15.75	0.04
	16QAM	Low	3 555.00	15.76	0.04
		Middle	3 625.00	15.71	0.04
		High	3 695.00	15.73	0.04
	64QAM	Low	3 555.00	15.80	0.04
		Middle	3 625.00	15.62	0.04
		High	3 695.00	15.78	0.04
	256QAM	Low	3 555.00	15.84	0.04
		Middle	3 625.00	15.77	0.04
		High	3 695.00	15.64	0.04
1	QPSK	Low	3 555.00	15.89	0.04
		Middle	3 625.00	15.51	0.04
		High	3 695.00	15.70	0.04
	16QAM	Low	3 555.00	15.65	0.04
		Middle	3 625.00	15.87	0.04
		High	3 695.00	15.81	0.04
	64QAM	Low	3 555.00	15.78	0.04
		Middle	3 625.00	15.54	0.04
		High	3 695.00	15.75	0.04
	256QAM	Low	3 555.00	15.62	0.04
		Middle	3 625.00	15.77	0.04
		High	3 695.00	15.66	0.04

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 555.00	0.08	0.08	0.08	0.08
3 625.00	0.07	0.08	0.07	0.08
3 695.00	0.08	0.08	0.08	0.08

**CBRS NR 20 MHz 1 Carrier**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	3 560.00	18.80	0.08
		Middle	3 625.00	18.70	0.07
		High	3 690.00	18.72	0.07
	16QAM	Low	3 560.00	18.89	0.08
		Middle	3 625.00	18.70	0.07
		High	3 690.00	18.74	0.07
	64QAM	Low	3 560.00	18.81	0.08
		Middle	3 625.00	18.84	0.08
		High	3 690.00	18.70	0.07
	256QAM	Low	3 560.00	18.74	0.07
		Middle	3 625.00	18.79	0.08
		High	3 690.00	18.64	0.07
1	QPSK	Low	3 560.00	18.81	0.08
		Middle	3 625.00	18.79	0.08
		High	3 690.00	18.70	0.07
	16QAM	Low	3 560.00	18.79	0.08
		Middle	3 625.00	18.87	0.08
		High	3 690.00	18.72	0.07
	64QAM	Low	3 560.00	18.77	0.08
		Middle	3 625.00	18.77	0.08
		High	3 690.00	18.74	0.07
	256QAM	Low	3 560.00	18.71	0.07
		Middle	3 625.00	18.82	0.08
		High	3 690.00	18.77	0.08

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 560.00	0.15	0.16	0.15	0.15
3 625.00	0.15	0.15	0.15	0.15
3 690.00	0.15	0.15	0.15	0.15

**CBRS NR 30 MHz 1 Carrier**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	3 565.00	20.20	0.10
		Middle	3 625.00	20.31	0.11
		High	3 685.00	20.31	0.11
	16QAM	Low	3 565.00	20.06	0.10
		Middle	3 625.00	20.24	0.11
		High	3 685.00	20.37	0.11
	64QAM	Low	3 565.00	20.23	0.11
		Middle	3 625.00	20.26	0.11
		High	3 685.00	20.22	0.11
	256QAM	Low	3 565.00	20.18	0.10
		Middle	3 625.00	20.19	0.10
		High	3 685.00	20.18	0.10
1	QPSK	Low	3 565.00	20.39	0.11
		Middle	3 625.00	20.32	0.11
		High	3 685.00	20.35	0.11
	16QAM	Low	3 565.00	20.16	0.10
		Middle	3 625.00	20.22	0.11
		High	3 685.00	20.38	0.11
	64QAM	Low	3 565.00	20.35	0.11
		Middle	3 625.00	20.34	0.11
		High	3 685.00	20.37	0.11
	256QAM	Low	3 565.00	20.27	0.11
		Middle	3 625.00	20.22	0.11
		High	3 685.00	20.22	0.11

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 565.00	0.22	0.21	0.22	0.21
3 625.00	0.22	0.21	0.22	0.21
3 685.00	0.22	0.22	0.22	0.21

**CBRS NR 40 MHz 1 Carrier**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	3 570.00	20.34	0.11
		Middle	3 625.00	20.22	0.11
		High	3 680.00	20.33	0.11
	16QAM	Low	3 570.00	20.30	0.11
		Middle	3 625.00	20.34	0.11
		High	3 680.00	20.27	0.11
	64QAM	Low	3 570.00	20.33	0.11
		Middle	3 625.00	20.22	0.11
		High	3 680.00	20.24	0.11
	256QAM	Low	3 570.00	20.18	0.10
		Middle	3 625.00	20.16	0.10
		High	3 680.00	20.30	0.11
1	QPSK	Low	3 570.00	20.40	0.11
		Middle	3 625.00	20.36	0.11
		High	3 680.00	20.37	0.11
	16QAM	Low	3 570.00	20.17	0.10
		Middle	3 625.00	20.30	0.11
		High	3 680.00	20.32	0.11
	64QAM	Low	3 570.00	20.42	0.11
		Middle	3 625.00	20.40	0.11
		High	3 680.00	20.29	0.11
	256QAM	Low	3 570.00	20.29	0.11
		Middle	3 625.00	20.23	0.11
		High	3 680.00	20.43	0.11

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 570.00	0.22	0.21	0.22	0.21
3 625.00	0.22	0.22	0.22	0.21
3 680.00	0.22	0.22	0.21	0.22

**CBRS NR 50 MHz 1 Carrier**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	3 575.00	20.40	0.11
		Middle	3 625.00	20.38	0.11
		High	3 675.00	20.37	0.11
	16QAM	Low	3 575.00	20.42	0.11
		Middle	3 625.00	20.43	0.11
		High	3 675.00	20.38	0.11
	64QAM	Low	3 575.00	20.41	0.11
		Middle	3 625.00	20.43	0.11
		High	3 675.00	20.37	0.11
	256QAM	Low	3 575.00	20.41	0.11
		Middle	3 625.00	20.42	0.11
		High	3 675.00	20.36	0.11
1	QPSK	Low	3 575.00	20.43	0.11
		Middle	3 625.00	20.41	0.11
		High	3 675.00	20.49	0.11
	16QAM	Low	3 575.00	20.40	0.11
		Middle	3 625.00	20.40	0.11
		High	3 675.00	20.48	0.11
	64QAM	Low	3 575.00	20.41	0.11
		Middle	3 625.00	20.44	0.11
		High	3 675.00	20.51	0.11
	256QAM	Low	3 575.00	20.45	0.11
		Middle	3 625.00	20.40	0.11
		High	3 675.00	20.45	0.11

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 575.00	0.22	0.22	0.22	0.22
3 625.00	0.22	0.22	0.22	0.22
3 675.00	0.22	0.22	0.22	0.22

**CBRS NR 60 MHz 1 Carrier**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	3 580.00	20.48	0.11
		Middle	3 625.00	20.44	0.11
		High	3 670.00	20.41	0.11
	16QAM	Low	3 580.00	20.48	0.11
		Middle	3 625.00	20.44	0.11
		High	3 670.00	20.41	0.11
	64QAM	Low	3 580.00	20.48	0.11
		Middle	3 625.00	20.44	0.11
		High	3 670.00	20.42	0.11
	256QAM	Low	3 580.00	20.44	0.11
		Middle	3 625.00	20.43	0.11
		High	3 670.00	20.44	0.11
1	QPSK	Low	3 580.00	20.47	0.11
		Middle	3 625.00	20.44	0.11
		High	3 670.00	20.42	0.11
	16QAM	Low	3 580.00	20.49	0.11
		Middle	3 625.00	20.43	0.11
		High	3 670.00	20.42	0.11
	64QAM	Low	3 580.00	20.46	0.11
		Middle	3 625.00	20.44	0.11
		High	3 670.00	20.42	0.11
	256QAM	Low	3 580.00	20.49	0.11
		Middle	3 625.00	20.44	0.11
		High	3 670.00	20.42	0.11

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 580.00	0.23	0.23	0.22	0.22
3 625.00	0.22	0.22	0.22	0.22
3 670.00	0.22	0.22	0.22	0.22

**CBRS NR 80 MHz 1 Carrier**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	3 590.00	20.71	0.12
		Middle	3 625.00	20.55	0.11
		High	3 660.00	20.59	0.11
	16QAM	Low	3 590.00	20.71	0.12
		Middle	3 625.00	20.52	0.11
		High	3 660.00	20.59	0.11
	64QAM	Low	3 590.00	20.70	0.12
		Middle	3 625.00	20.53	0.11
		High	3 660.00	20.55	0.11
	256QAM	Low	3 590.00	20.71	0.12
		Middle	3 625.00	20.50	0.11
		High	3 660.00	20.53	0.11
1	QPSK	Low	3 590.00	20.71	0.12
		Middle	3 625.00	20.49	0.11
		High	3 660.00	20.55	0.11
	16QAM	Low	3 590.00	20.70	0.12
		Middle	3 625.00	20.47	0.11
		High	3 660.00	20.53	0.11
	64QAM	Low	3 590.00	20.71	0.12
		Middle	3 625.00	20.45	0.11
		High	3 660.00	20.49	0.11
	256QAM	Low	3 590.00	20.71	0.12
		Middle	3 625.00	20.45	0.11
		High	3 660.00	20.50	0.11

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 590.00	0.24	0.24	0.24	0.24
3 625.00	0.23	0.23	0.23	0.23
3 660.00	0.23	0.23	0.23	0.23

**CBRS NR 100 MHz 1 Carrier**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	3 600.00	20.42	0.11
		Middle	3 625.00	20.45	0.11
		High	3 650.00	20.40	0.11
	16QAM	Low	3 600.00	20.45	0.11
		Middle	3 625.00	20.45	0.11
		High	3 650.00	20.42	0.11
	64QAM	Low	3 600.00	20.43	0.11
		Middle	3 625.00	20.44	0.11
		High	3 650.00	20.41	0.11
	256QAM	Low	3 600.00	20.41	0.11
		Middle	3 625.00	20.43	0.11
		High	3 650.00	20.40	0.11
1	QPSK	Low	3 600.00	20.51	0.11
		Middle	3 625.00	20.54	0.11
		High	3 650.00	20.39	0.11
	16QAM	Low	3 600.00	20.51	0.11
		Middle	3 625.00	20.50	0.11
		High	3 650.00	20.39	0.11
	64QAM	Low	3 600.00	20.50	0.11
		Middle	3 625.00	20.48	0.11
		High	3 650.00	20.39	0.11
	256QAM	Low	3 600.00	20.50	0.11
		Middle	3 625.00	20.50	0.11
		High	3 650.00	20.40	0.11

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 600.00	0.22	0.23	0.22	0.22
3 625.00	0.23	0.23	0.22	0.22
3 650.00	0.22	0.22	0.22	0.22

**Tabular Data of RF Contiguous output power**
**CBRS NR(60 MHz 1C + 10 MHz 1C)[2C]**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	3 585.00	20.62	0.12
		Middle	3 625.00	20.39	0.11
		High	3 665.00	20.50	0.11
	16QAM	Low	3 585.00	20.60	0.11
		Middle	3 625.00	20.40	0.11
		High	3 665.00	20.54	0.11
	64QAM	Low	3 585.00	20.59	0.11
		Middle	3 625.00	20.38	0.11
		High	3 665.00	20.51	0.11
	256QAM	Low	3 585.00	20.60	0.11
		Middle	3 625.00	20.39	0.11
		High	3 665.00	20.50	0.11
1	QPSK	Low	3 585.00	20.57	0.11
		Middle	3 625.00	20.38	0.11
		High	3 665.00	20.48	0.11
	16QAM	Low	3 585.00	20.56	0.11
		Middle	3 625.00	20.38	0.11
		High	3 665.00	20.47	0.11
	64QAM	Low	3 585.00	20.55	0.11
		Middle	3 625.00	20.37	0.11
		High	3 665.00	20.48	0.11
	256QAM	Low	3 585.00	20.56	0.11
		Middle	3 625.00	20.39	0.11
		High	3 665.00	20.48	0.11

Note: 1C: 1 Carrier, 2C: 2 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 585.00	0.23	0.23	0.23	0.23
3 625.00	0.22	0.22	0.22	0.22
3 665.00	0.23	0.23	0.23	0.23

**CBRS NR(80 MHz 1C + 10 MHz 1C)[2C]**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	3 595.00	20.67	0.12
		Middle	3 625.00	20.67	0.12
		High	3 655.00	20.85	0.12
	16QAM	Low	3 595.00	20.67	0.12
		Middle	3 625.00	20.66	0.12
		High	3 655.00	20.83	0.12
	64QAM	Low	3 595.00	20.67	0.12
		Middle	3 625.00	20.67	0.12
		High	3 655.00	20.84	0.12
	256QAM	Low	3 595.00	20.63	0.12
		Middle	3 625.00	20.65	0.12
		High	3 655.00	20.83	0.12
1	QPSK	Low	3 595.00	20.71	0.12
		Middle	3 625.00	20.65	0.12
		High	3 655.00	20.63	0.12
	16QAM	Low	3 595.00	20.67	0.12
		Middle	3 625.00	20.63	0.12
		High	3 655.00	20.63	0.12
	64QAM	Low	3 595.00	20.70	0.12
		Middle	3 625.00	20.64	0.12
		High	3 655.00	20.60	0.11
	256QAM	Low	3 595.00	20.68	0.12
		Middle	3 625.00	20.64	0.12
		High	3 655.00	20.61	0.12

Note: 1C: 1 Carrier, 2C: 2 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 595.00	0.24	0.24	0.24	0.23
3 625.00	0.23	0.23	0.23	0.23
3 655.00	0.24	0.24	0.24	0.24

**CBRS LTE(5 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C)[5C]**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	3 562.50	20.67	0.12
		Middle	3 625.00	20.86	0.12
		High	3 687.50	20.85	0.12
	16QAM	Low	3 562.50	20.83	0.12
		Middle	3 625.00	20.78	0.12
		High	3 687.50	20.89	0.12
	64QAM	Low	3 562.50	20.89	0.12
		Middle	3 625.00	20.85	0.12
		High	3 687.50	20.82	0.12
	256QAM	Low	3 562.50	20.87	0.12
		Middle	3 625.00	20.84	0.12
		High	3 687.50	20.84	0.12
	1024QAM	Low	3 562.50	20.88	0.12
		Middle	3 625.00	20.77	0.12
		High	3 687.50	20.82	0.12
1	QPSK	Low	3 562.50	20.85	0.12
		Middle	3 625.00	20.78	0.12
		High	3 687.50	20.80	0.12
	16QAM	Low	3 562.50	20.80	0.12
		Middle	3 625.00	20.80	0.12
		High	3 687.50	20.92	0.12
	64QAM	Low	3 562.50	20.70	0.12
		Middle	3 625.00	20.76	0.12
		High	3 687.50	20.78	0.12
	256QAM	Low	3 562.50	20.74	0.12
		Middle	3 625.00	20.78	0.12
		High	3 687.50	20.78	0.12
	1024QAM	Low	3 562.50	20.89	0.12
		Middle	3 625.00	20.69	0.12
		High	3 687.50	20.73	0.12

**Note: 1C: 1 Carrier, 5C: 5 Carrier**

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)				
	QPSK	16QAM	64QAM	256QAM	1024QAM
	W				
3 562.50	0.24	0.24	0.24	0.24	0.25
3 625.00	0.24	0.24	0.24	0.24	0.24
3 687.50	0.24	0.25	0.24	0.24	0.24

**CBRS LTE(20 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C)[5C]**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	3 570.00	20.57	0.11
		Middle	3 625.00	20.83	0.12
		High	3 680.00	20.82	0.12
	16QAM	Low	3 570.00	20.84	0.12
		Middle	3 625.00	20.81	0.12
		High	3 680.00	20.61	0.12
	64QAM	Low	3 570.00	20.64	0.12
		Middle	3 625.00	20.86	0.12
		High	3 680.00	20.85	0.12
	256QAM	Low	3 570.00	20.65	0.12
		Middle	3 625.00	20.88	0.12
		High	3 680.00	20.80	0.12
	1024QAM	Low	3 570.00	20.66	0.12
		Middle	3 625.00	20.84	0.12
		High	3 680.00	20.80	0.12
1	QPSK	Low	3 570.00	20.84	0.12
		Middle	3 625.00	20.94	0.12
		High	3 680.00	20.74	0.12
	16QAM	Low	3 570.00	20.84	0.12
		Middle	3 625.00	20.87	0.12
		High	3 680.00	20.64	0.12
	64QAM	Low	3 570.00	20.81	0.12
		Middle	3 625.00	20.97	0.12
		High	3 680.00	20.75	0.12
	256QAM	Low	3 570.00	20.85	0.12
		Middle	3 625.00	20.99	0.13
		High	3 680.00	20.77	0.12
	1024QAM	Low	3 570.00	20.80	0.12
		Middle	3 625.00	20.88	0.12
		High	3 680.00	20.87	0.12

Note: 1C: 1 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)				
	QPSK	16QAM	64QAM	256QAM	1024QAM
	W				
3 570.00	0.24	0.24	0.24	0.24	0.24
3 625.00	0.25	0.24	0.25	0.25	0.24
3 680.00	0.24	0.23	0.24	0.24	0.24

**CBRS LTE(20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C)[5C]**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	3 600.00	20.49	0.11
		Middle	3 625.00	20.52	0.11
		High	3 650.00	20.47	0.11
	16QAM	Low	3 600.00	20.41	0.11
		Middle	3 625.00	20.61	0.12
		High	3 650.00	20.66	0.12
	64QAM	Low	3 600.00	20.48	0.11
		Middle	3 625.00	20.57	0.11
		High	3 650.00	20.47	0.11
	256QAM	Low	3 600.00	20.47	0.11
		Middle	3 625.00	20.50	0.11
		High	3 650.00	20.42	0.11
	1024QAM	Low	3 600.00	20.46	0.11
		Middle	3 625.00	20.50	0.11
		High	3 650.00	20.41	0.11
1	QPSK	Low	3 600.00	20.32	0.11
		Middle	3 625.00	20.49	0.11
		High	3 650.00	20.69	0.12
	16QAM	Low	3 600.00	20.52	0.11
		Middle	3 625.00	20.22	0.11
		High	3 650.00	20.41	0.11
	64QAM	Low	3 600.00	20.30	0.11
		Middle	3 625.00	20.47	0.11
		High	3 650.00	20.65	0.12
	256QAM	Low	3 600.00	20.29	0.11
		Middle	3 625.00	20.43	0.11
		High	3 650.00	20.66	0.12
	1024QAM	Low	3 600.00	20.23	0.11
		Middle	3 625.00	20.34	0.11
		High	3 650.00	20.66	0.12

**Note: 1C: 1 Carrier, 5C: 5 Carrier**

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)				
	QPSK	16QAM	64QAM	256QAM	1024QAM
	W				
3 600.00	0.22	0.22	0.22	0.22	0.22
3 625.00	0.22	0.22	0.23	0.22	0.22
3 650.00	0.23	0.23	0.23	0.23	0.23

**CBRS NR(10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C)[5C]**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	3 575.00	20.63	0.12
		Middle	3 625.00	20.80	0.12
		High	3 675.00	20.44	0.11
	16QAM	Low	3 575.00	20.53	0.11
		Middle	3 625.00	20.72	0.12
		High	3 675.00	20.45	0.11
	64QAM	Low	3 575.00	20.68	0.12
		Middle	3 625.00	20.60	0.11
		High	3 675.00	20.33	0.11
	256QAM	Low	3 575.00	20.88	0.12
		Middle	3 625.00	20.65	0.12
		High	3 675.00	20.59	0.11
1	QPSK	Low	3 575.00	20.52	0.11
		Middle	3 625.00	20.79	0.12
		High	3 675.00	20.59	0.11
	16QAM	Low	3 575.00	20.56	0.11
		Middle	3 625.00	20.53	0.11
		High	3 675.00	20.56	0.11
	64QAM	Low	3 575.00	20.64	0.12
		Middle	3 625.00	20.65	0.12
		High	3 675.00	20.58	0.11
	256QAM	Low	3 575.00	20.53	0.11
		Middle	3 625.00	20.77	0.12
		High	3 675.00	20.48	0.11

Note: 1C: 1 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 575.00	0.23	0.23	0.23	0.24
3 625.00	0.24	0.23	0.23	0.24
3 675.00	0.23	0.23	0.22	0.23

**CBRS NR(40 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C)[5C]**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	3 590.00	20.44	0.11
		Middle	3 625.00	20.57	0.11
		High	3 660.00	20.67	0.12
	16QAM	Low	3 590.00	20.38	0.11
		Middle	3 625.00	20.89	0.12
		High	3 660.00	20.65	0.12
	64QAM	Low	3 590.00	20.38	0.11
		Middle	3 625.00	20.90	0.12
		High	3 660.00	20.67	0.12
	256QAM	Low	3 590.00	20.37	0.11
		Middle	3 625.00	20.94	0.12
		High	3 660.00	20.68	0.12
1	QPSK	Low	3 590.00	20.54	0.11
		Middle	3 625.00	20.55	0.11
		High	3 660.00	20.52	0.11
	16QAM	Low	3 590.00	20.47	0.11
		Middle	3 625.00	20.63	0.12
		High	3 660.00	20.50	0.11
	64QAM	Low	3 590.00	20.50	0.11
		Middle	3 625.00	20.59	0.11
		High	3 660.00	20.51	0.11
	256QAM	Low	3 590.00	20.51	0.11
		Middle	3 625.00	20.60	0.11
		High	3 660.00	20.56	0.11

Note: 1C: 1 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 590.00	0.23	0.22	0.22	0.22
3 625.00	0.23	0.24	0.24	0.24
3 660.00	0.23	0.23	0.23	0.23

**CBRS NR(40 MHz 1C + 30 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C)[5C]**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	3 600.00	20.48	0.11
		Middle	3 625.00	20.56	0.11
		High	3 650.00	20.55	0.11
	16QAM	Low	3 600.00	20.61	0.12
		Middle	3 625.00	20.47	0.11
		High	3 650.00	20.40	0.11
	64QAM	Low	3 600.00	20.50	0.11
		Middle	3 625.00	20.54	0.11
		High	3 650.00	20.48	0.11
	256QAM	Low	3 600.00	20.51	0.11
		Middle	3 625.00	20.56	0.11
		High	3 650.00	20.43	0.11
1	QPSK	Low	3 600.00	20.61	0.12
		Middle	3 625.00	20.64	0.12
		High	3 650.00	20.41	0.11
	16QAM	Low	3 600.00	20.53	0.11
		Middle	3 625.00	20.38	0.11
		High	3 650.00	20.41	0.11
	64QAM	Low	3 600.00	20.60	0.11
		Middle	3 625.00	20.62	0.12
		High	3 650.00	20.43	0.11
	256QAM	Low	3 600.00	20.61	0.12
		Middle	3 625.00	20.63	0.12
		High	3 650.00	20.40	0.11

Note: 1C: 1 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 600.00	0.23	0.23	0.23	0.23
3 625.00	0.23	0.22	0.23	0.23
3 650.00	0.23	0.22	0.22	0.22

**CBRS NR(60 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C)[5C]**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	3 600.00	20.44	0.11
		Middle	3 625.00	20.47	0.11
		High	3 650.00	20.44	0.11
	16QAM	Low	3 600.00	20.44	0.11
		Middle	3 625.00	20.45	0.11
		High	3 650.00	20.43	0.11
	64QAM	Low	3 600.00	20.43	0.11
		Middle	3 625.00	20.45	0.11
		High	3 650.00	20.42	0.11
	256QAM	Low	3 600.00	20.45	0.11
		Middle	3 625.00	20.45	0.11
		High	3 650.00	20.43	0.11
1	QPSK	Low	3 600.00	20.41	0.11
		Middle	3 625.00	20.45	0.11
		High	3 650.00	20.43	0.11
	16QAM	Low	3 600.00	20.42	0.11
		Middle	3 625.00	20.44	0.11
		High	3 650.00	20.45	0.11
	64QAM	Low	3 600.00	20.42	0.11
		Middle	3 625.00	20.46	0.11
		High	3 650.00	20.46	0.11
	256QAM	Low	3 600.00	20.42	0.11
		Middle	3 625.00	20.44	0.11
		High	3 650.00	20.45	0.11

Note: 1C: 1 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 600.00	0.22	0.22	0.22	0.22
3 625.00	0.22	0.22	0.22	0.22
3 650.00	0.22	0.22	0.22	0.22

**CBRS NR 60 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 10 MHz 1C [5C]**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	3 600.00	20.47	0.11
		Middle	3 625.00	20.50	0.11
		High	3 650.00	20.59	0.11
	16QAM	Low	3 600.00	20.46	0.11
		Middle	3 625.00	20.53	0.11
		High	3 650.00	20.57	0.11
	64QAM	Low	3 600.00	20.42	0.11
		Middle	3 625.00	20.48	0.11
		High	3 650.00	20.58	0.11
	256QAM	Low	3 600.00	20.42	0.11
		Middle	3 625.00	20.49	0.11
		High	3 650.00	20.58	0.11
1	QPSK	Low	3 600.00	20.38	0.11
		Middle	3 625.00	20.50	0.11
		High	3 650.00	20.57	0.11
	16QAM	Low	3 600.00	20.37	0.11
		Middle	3 625.00	20.48	0.11
		High	3 650.00	20.57	0.11
	64QAM	Low	3 600.00	20.37	0.11
		Middle	3 625.00	20.51	0.11
		High	3 650.00	20.57	0.11
	256QAM	Low	3 600.00	20.36	0.11
		Middle	3 625.00	20.49	0.11
		High	3 650.00	20.57	0.11

Note: 1C: 1 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 600.00	0.22	0.22	0.22	0.22
3 625.00	0.23	0.23	0.23	0.23
3 650.00	0.23	0.23	0.23	0.23

**CBRS NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C [5C]**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	3 570.00	20.50	0.11
		Middle	3 625.00	20.52	0.11
		High	3 680.00	20.51	0.11
	16QAM	Low	3 570.00	20.44	0.11
		Middle	3 625.00	20.46	0.11
		High	3 680.00	20.48	0.11
	64QAM	Low	3 570.00	20.46	0.11
		Middle	3 625.00	20.50	0.11
		High	3 680.00	20.42	0.11
	256QAM	Low	3 570.00	20.41	0.11
		Middle	3 625.00	20.49	0.11
		High	3 680.00	20.66	0.12
1	QPSK	Low	3 570.00	20.51	0.11
		Middle	3 625.00	20.57	0.11
		High	3 680.00	20.57	0.11
	16QAM	Low	3 570.00	20.50	0.11
		Middle	3 625.00	20.41	0.11
		High	3 680.00	20.49	0.11
	64QAM	Low	3 570.00	20.46	0.11
		Middle	3 625.00	20.52	0.11
		High	3 680.00	20.51	0.11
	256QAM	Low	3 570.00	20.48	0.11
		Middle	3 625.00	20.41	0.11
		High	3 680.00	20.42	0.11

Note: 1C: 1 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 570.00	0.23	0.23	0.22	0.22
3 625.00	0.23	0.22	0.23	0.22
3 680.00	0.23	0.23	0.22	0.23

**CBRS NR 40 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 5 MHz 1C [5C]**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	3 587.50	20.52	0.11
		Middle	3 625.00	20.53	0.11
		High	3 662.50	20.57	0.11
	16QAM	Low	3 587.50	20.52	0.11
		Middle	3 625.00	20.56	0.11
		High	3 662.50	20.57	0.11
	64QAM	Low	3 587.50	20.53	0.11
		Middle	3 625.00	20.58	0.11
		High	3 662.50	20.56	0.11
	256QAM	Low	3 587.50	20.55	0.11
		Middle	3 625.00	20.56	0.11
		High	3 662.50	20.58	0.11
1	QPSK	Low	3 587.50	20.56	0.11
		Middle	3 625.00	20.55	0.11
		High	3 662.50	20.54	0.11
	16QAM	Low	3 587.50	20.57	0.11
		Middle	3 625.00	20.57	0.11
		High	3 662.50	20.54	0.11
	64QAM	Low	3 587.50	20.57	0.11
		Middle	3 625.00	20.54	0.11
		High	3 662.50	20.54	0.11
	256QAM	Low	3 587.50	20.54	0.11
		Middle	3 625.00	20.58	0.11
		High	3 662.50	20.54	0.11

Note: 1C: 1 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 587.50	0.23	0.23	0.23	0.23
3 625.00	0.23	0.23	0.23	0.23
3 662.50	0.23	0.23	0.23	0.23

**CBRS NR 40 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C [5C]**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	3 585.00	20.62	0.12
		Middle	3 625.00	20.59	0.11
		High	3 665.00	20.56	0.11
	16QAM	Low	3 585.00	20.62	0.12
		Middle	3 625.00	20.58	0.11
		High	3 665.00	20.53	0.11
	64QAM	Low	3 585.00	20.60	0.11
		Middle	3 625.00	20.56	0.11
		High	3 665.00	20.55	0.11
	256QAM	Low	3 585.00	20.60	0.11
		Middle	3 625.00	20.52	0.11
		High	3 665.00	20.54	0.11
1	QPSK	Low	3 585.00	20.55	0.11
		Middle	3 625.00	20.55	0.11
		High	3 665.00	20.59	0.11
	16QAM	Low	3 585.00	20.51	0.11
		Middle	3 625.00	20.55	0.11
		High	3 665.00	20.55	0.11
	64QAM	Low	3 585.00	20.51	0.11
		Middle	3 625.00	20.56	0.11
		High	3 665.00	20.55	0.11
	256QAM	Low	3 585.00	20.49	0.11
		Middle	3 625.00	20.54	0.11
		High	3 665.00	20.52	0.11

Note: 1C: 1 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 585.00	0.23	0.23	0.23	0.23
3 625.00	0.23	0.23	0.23	0.23
3 665.00	0.23	0.23	0.23	0.23

**CBRS NR 40 MHz 1C + NR 40 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C [5C]**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	3 597.50	20.60	0.11
		Middle	3 625.00	20.58	0.11
		High	3 652.50	20.60	0.11
	16QAM	Low	3 597.50	20.57	0.11
		Middle	3 625.00	20.58	0.11
		High	3 652.50	20.56	0.11
	64QAM	Low	3 597.50	20.60	0.11
		Middle	3 625.00	20.54	0.11
		High	3 652.50	20.56	0.11
	256QAM	Low	3 597.50	20.58	0.11
		Middle	3 625.00	20.53	0.11
		High	3 652.50	20.54	0.11
1	QPSK	Low	3 597.50	20.59	0.11
		Middle	3 625.00	20.56	0.11
		High	3 652.50	20.61	0.12
	16QAM	Low	3 597.50	20.49	0.11
		Middle	3 625.00	20.54	0.11
		High	3 652.50	20.62	0.12
	64QAM	Low	3 597.50	20.62	0.12
		Middle	3 625.00	20.53	0.11
		High	3 652.50	20.60	0.11
	256QAM	Low	3 597.50	20.61	0.12
		Middle	3 625.00	20.51	0.11
		High	3 652.50	20.58	0.11

Note: 1C: 1 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 597.50	0.23	0.23	0.23	0.23
3 625.00	0.23	0.23	0.23	0.23
3 652.50	0.23	0.23	0.23	0.23

**Tabular Data of RF Non-Contiguous output power**
**CBRS NR(10 MHz 1C + 60 MHz 1C)[2C]**

Ant.	Mod	NR 10 MHz		NR 60 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	3 555.00	12.28	3 670.00	19.78	20.49	0.11
	16QAM	3 555.00	12.26	3 670.00	19.81	20.52	0.11
	64QAM	3 555.00	12.30	3 670.00	19.81	20.52	0.11
	256QAM	3 555.00	12.28	3 670.00	19.81	20.52	0.11
1	QPSK	3 555.00	12.29	3 670.00	19.80	20.51	0.11
	16QAM	3 555.00	12.26	3 670.00	19.79	20.50	0.11
	64QAM	3 555.00	12.27	3 670.00	19.81	20.52	0.11
	256QAM	3 555.00	12.22	3 670.00	19.80	20.50	0.11

Note: 1C: 1 Carrier, 2C: 2 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 555.00 + 3 670.00	0.23	0.23	0.23	0.23

**CBRS NR(60 MHz 1C + 10 MHz 1C)[2C]**

Ant.	Mod	NR 60 MHz		NR 10 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	3 580.00	19.73	3 695.00	12.10	20.42	0.11
	16QAM	3 580.00	19.73	3 695.00	12.20	20.43	0.11
	64QAM	3 580.00	19.75	3 695.00	12.12	20.44	0.11
	256QAM	3 580.00	19.72	3 695.00	12.20	20.43	0.11
1	QPSK	3 580.00	19.76	3 695.00	12.18	20.46	0.11
	16QAM	3 580.00	19.75	3 695.00	12.19	20.45	0.11
	64QAM	3 580.00	19.73	3 695.00	12.16	20.43	0.11
	256QAM	3 580.00	19.74	3 695.00	12.14	20.44	0.11

Note: 1C: 1 Carrier, 2C: 2 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 580.00 + 3 695.00	0.23	0.23	0.23	0.23

**CBRS NR(10 MHz 1C + 80 MHz 1C)[2C]**

Ant.	Mod	NR 10 MHz		NR 80 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	3 555.00	11.01	3 660.00	19.95	20.47	0.11
	16QAM	3 555.00	10.91	3 660.00	19.88	20.40	0.11
	64QAM	3 555.00	10.99	3 660.00	19.91	20.44	0.11
	256QAM	3 555.00	10.94	3 660.00	19.92	20.43	0.11
1	QPSK	3 555.00	10.92	3 660.00	19.91	20.43	0.11
	16QAM	3 555.00	11.00	3 660.00	19.90	20.42	0.11
	64QAM	3 555.00	10.97	3 660.00	19.90	20.42	0.11
	256QAM	3 555.00	10.94	3 660.00	19.84	20.37	0.11

Note: 1C: 1 Carrier, 2C: 2 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 555.00 + 3 660.00	0.23	0.23	0.23	0.23

**CBRS NR(80 MHz 1C + 10 MHz 1C)[2C]**

Ant.	Mod	NR 80 MHz		NR 10 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	3 590.00	20.03	3 695.00	10.99	20.54	0.11
	16QAM	3 590.00	20.03	3 695.00	10.98	20.54	0.11
	64QAM	3 590.00	20.00	3 695.00	10.94	20.51	0.11
	256QAM	3 590.00	19.99	3 695.00	10.99	20.51	0.11
1	QPSK	3 590.00	20.03	3 695.00	11.01	20.54	0.11
	16QAM	3 590.00	19.99	3 695.00	10.94	20.50	0.11
	64QAM	3 590.00	20.01	3 695.00	10.97	20.52	0.11
	256QAM	3 590.00	20.00	3 695.00	10.96	20.51	0.11

Note: 1C: 1 Carrier, 2C: 2 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 590.00 + 3 695.00	0.23	0.23	0.23	0.23

**CBRS LTE[5 MHz 1C + (5 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C)][5C(1C+4C)]**

Ant.	Mod	LTE 5 MHz		LTE( 5 MHz + 5 MHz + 5 MHz + 5 MHz)		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	3 552.50	14.38	3 690.00	19.35	20.55	0.11
	16QAM	3 552.50	14.31	3 690.00	19.19	20.41	0.11
	64QAM	3 552.50	14.40	3 690.00	19.32	20.53	0.11
	256QAM	3 552.50	14.40	3 690.00	19.33	20.54	0.11
	1024QAM	3 552.50	14.29	3 690.00	19.20	20.41	0.11
1	QPSK	3 552.50	14.31	3 690.00	19.26	20.46	0.11
	16QAM	3 552.50	14.60	3 690.00	19.49	20.71	0.12
	64QAM	3 552.50	14.36	3 690.00	19.22	20.45	0.11
	256QAM	3 552.50	14.46	3 690.00	19.19	20.45	0.11
	1024QAM	3 552.50	14.42	3 690.00	19.22	20.46	0.11

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)				
	QPSK	16QAM	64QAM	256QAM	1024QAM
	W				
3 552.50 + 3 690.00	0.23	0.23	0.23	0.23	0.22

**CBRS LTE[(5 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C) + 5 MHz 1C][5C(4C+1C)]**

Ant.	Mod	LTE( 5 MHz + 5 MHz + 5 MHz + 5 MHz)		LTE 5 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	3 560.00	19.72	3 697.50	13.56	20.66	0.12
	16QAM	3 560.00	19.71	3 697.50	13.61	20.66	0.12
	64QAM	3 560.00	19.65	3 697.50	13.78	20.65	0.12
	256QAM	3 560.00	19.61	3 697.50	13.67	20.60	0.11
	1024QAM	3 560.00	19.54	3 697.50	13.47	20.50	0.11
1	QPSK	3 560.00	19.26	3 697.50	13.72	20.33	0.11
	16QAM	3 560.00	19.17	3 697.50	13.64	20.24	0.11
	64QAM	3 560.00	19.26	3 697.50	13.74	20.34	0.11
	256QAM	3 560.00	19.43	3 697.50	13.89	20.50	0.11
	1024QAM	3 560.00	19.37	3 697.50	13.82	20.44	0.11

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)				
	QPSK	16QAM	64QAM	256QAM	1024QAM
	W				
3560.00 + 3697.50	0.23	0.22	0.23	0.23	0.22

**CBRS LTE[5 MHz 1C + (5 MHz 1C + 5 MHz 1C + 5 MHz 1C + 20 MHz 1C)][5C(1C+4C)]**

Ant.	Mod	LTE 5 MHz		LTE( 5 MHz + 5 MHz + 5 MHz + 20 MHz)		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	3 552.50	12.49	3 682.50	20.01	20.72	0.12
	16QAM	3 552.50	12.42	3 682.50	19.99	20.69	0.12
	64QAM	3 552.50	12.40	3 682.50	19.92	20.63	0.12
	256QAM	3 552.50	12.42	3 682.50	19.96	20.66	0.12
	1024QAM	3 552.50	12.35	3 682.50	19.94	20.63	0.12
1	QPSK	3 552.50	12.62	3 682.50	19.93	20.67	0.12
	16QAM	3 552.50	12.55	3 682.50	19.93	20.66	0.12
	64QAM	3 552.50	12.56	3 682.50	19.97	20.69	0.12
	256QAM	3 552.50	12.54	3 682.50	20.02	20.73	0.12
	1024QAM	3 552.50	12.63	3 682.50	19.95	20.69	0.12

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)				
	QPSK	16QAM	64QAM	256QAM	1024QAM
	W				
3 552.50 + 3 682.50	0.24	0.24	0.23	0.24	0.23

**CBRS LTE[(20 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C) + 5 MHz 1C][5C(4C+1C)]**

Ant.	Mod	LTE( 20 MHz + 5 MHz + 5 MHz + 5 MHz)		LTE 5 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	3 567.50	19.90	3 697.50	12.01	20.55	0.11
	16QAM	3 567.50	19.84	3 697.50	12.03	20.50	0.11
	64QAM	3 567.50	19.89	3 697.50	11.99	20.54	0.11
	256QAM	3 567.50	19.79	3 697.50	11.98	20.46	0.11
	1024QAM	3 567.50	19.86	3 697.50	11.97	20.51	0.11
1	QPSK	3 567.50	20.02	3 697.50	12.00	20.66	0.12
	16QAM	3 567.50	19.98	3 697.50	11.96	20.62	0.12
	64QAM	3 567.50	19.97	3 697.50	11.97	20.61	0.11
	256QAM	3 567.50	19.96	3 697.50	12.01	20.61	0.12
	1024QAM	3 567.50	19.94	3 697.50	11.99	20.58	0.11

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)				
	QPSK	16QAM	64QAM	256QAM	1024QAM
	W				
3 567.50 + 3 697.50	0.23	0.23	0.23	0.23	0.23

**CBRS LTE[20 MHz 1C + (20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C)][5C(1C+4C)]**

Ant.	Mod	LTE 20 MHz		LTE( 20 MHz + 20 MHz + 20 MHz + 20 MHz)		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	3 560.00	14.33	3 660.00	19.78	20.87	0.12
	16QAM	3 560.00	14.32	3 660.00	19.70	20.81	0.12
	64QAM	3 560.00	14.37	3 660.00	19.79	20.89	0.12
	256QAM	3 560.00	14.41	3 660.00	19.77	20.88	0.12
	1024QAM	3 560.00	14.38	3 660.00	19.85	20.93	0.12
1	QPSK	3 560.00	14.40	3 660.00	19.65	20.78	0.12
	16QAM	3 560.00	14.24	3 660.00	19.56	20.68	0.12
	64QAM	3 560.00	14.38	3 660.00	19.63	20.76	0.12
	256QAM	3 560.00	14.35	3 660.00	19.65	20.77	0.12
	1024QAM	3 560.00	14.39	3 660.00	19.65	20.78	0.12

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)				
	QPSK	16QAM	64QAM	256QAM	1024QAM
	W				
3 560.00 + 3 660.00	0.24	0.24	0.24	0.24	0.25

**CBRS LTE[(20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C) + 20 MHz 1C][5C(4C+1C)]**

Ant.	Mod	LTE( 20 MHz + 20 MHz + 20 MHz + 20 MHz)		LTE 20 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	3 590.00	20.01	3 690.00	13.64	20.91	0.12
	16QAM	3 590.00	19.98	3 690.00	13.35	20.83	0.12
	64QAM	3 590.00	20.05	3 690.00	13.54	20.93	0.12
	256QAM	3 590.00	20.01	3 690.00	13.42	20.87	0.12
	1024QAM	3 590.00	19.95	3 690.00	13.74	20.88	0.12
1	QPSK	3 590.00	19.97	3 690.00	13.69	20.89	0.12
	16QAM	3 590.00	19.95	3 690.00	13.66	20.87	0.12
	64QAM	3 590.00	19.99	3 690.00	13.68	20.90	0.12
	256QAM	3 590.00	19.92	3 690.00	13.62	20.84	0.12
	1024QAM	3 590.00	19.99	3 690.00	13.52	20.87	0.12

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)				
	QPSK	16QAM	64QAM	256QAM	1024QAM
	W				
3 590.00 + 3 690.00	0.25	0.25	0.25	0.25	0.25

**CBRS NR[10 MHz 1C + (10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C)][5C(1C+4C)]**

Ant.	Mod	NR 10 MHz		NR( 10 MHz + 10 MHz + 10 MHz + 10 MHz)		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	3 555.00	13.74	3 680.00	19.63	20.63	0.12
	16QAM	3 555.00	13.42	3 680.00	19.59	20.53	0.11
	64QAM	3 555.00	13.79	3 680.00	19.66	20.66	0.12
	256QAM	3 555.00	13.64	3 680.00	19.25	20.31	0.11
1	QPSK	3 555.00	13.91	3 680.00	19.23	20.35	0.11
	16QAM	3 555.00	13.79	3 680.00	19.23	20.33	0.11
	64QAM	3 555.00	13.68	3 680.00	19.34	20.39	0.11
	256QAM	3 555.00	13.79	3 680.00	19.33	20.40	0.11

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 555.00 + 3 680.00	0.23	0.23	0.23	0.23

**CBRS NR[(10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C) + 10 MHz 1C][5C(4C+1C)]**

Ant.	Mod	NR( 10 MHz + 10 MHz + 10 MHz + 10 MHz)		NR 10 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	3 560.00	13.74	3 695.00	19.63	20.63	0.12
	16QAM	3 560.00	13.42	3 695.00	19.59	20.53	0.11
	64QAM	3 560.00	13.79	3 695.00	19.66	20.66	0.12
	256QAM	3 560.00	13.64	3 695.00	19.25	20.31	0.11
1	QPSK	3 560.00	13.91	3 695.00	19.23	20.35	0.11
	16QAM	3 560.00	13.79	3 695.00	19.23	20.33	0.11
	64QAM	3 560.00	13.68	3 695.00	19.34	20.39	0.11
	256QAM	3 560.00	13.79	3 695.00	19.33	20.40	0.11

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 560.00 + 3 695.00	0.23	0.23	0.23	0.23

**CBRS NR[10 MHz 1C + (10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 40 MHz 1C)][5C(1C+4C)]**

Ant.	Mod	NR 10 MHz		NR( 10 MHz + 10 MHz + 10 MHz + 40 MHz)		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	3 555.00	12.34	3 665.00	20.16	20.82	0.12
	16QAM	3 555.00	12.27	3 665.00	20.11	20.77	0.12
	64QAM	3 555.00	12.30	3 665.00	20.18	20.84	0.12
	256QAM	3 555.00	12.33	3 665.00	20.05	20.73	0.12
1	QPSK	3 555.00	12.38	3 665.00	20.14	20.81	0.12
	16QAM	3 555.00	12.37	3 665.00	20.12	20.79	0.12
	64QAM	3 555.00	12.29	3 665.00	20.17	20.83	0.12
	256QAM	3 555.00	12.40	3 665.00	20.12	20.80	0.12

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 555.00 + 3 665.00	0.25	0.25	0.25	0.25

**CBRS NR[(40 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C) + 10 MHz 1C][5C(4C+1C)]**

Ant.	Mod	NR( 40 MHz + 10 MHz + 10 MHz + 10 MHz)		NR 10 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	3 585.00	20.10	3 695.00	12.05	20.73	0.12
	16QAM	3 585.00	20.11	3 695.00	12.09	20.75	0.12
	64QAM	3 585.00	20.12	3 695.00	12.11	20.75	0.12
	256QAM	3 585.00	20.05	3 695.00	12.10	20.70	0.12
1	QPSK	3 585.00	20.12	3 695.00	12.03	20.75	0.12
	16QAM	3 585.00	20.10	3 695.00	12.13	20.74	0.12
	64QAM	3 585.00	20.05	3 695.00	12.16	20.70	0.12
	256QAM	3 585.00	20.14	3 695.00	12.10	20.77	0.12

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 585.00 + 3 695.00	0.25	0.25	0.24	0.24

**CBRS NR[10 MHz 1C + (10 MHz 1C + 10 MHz 1C + 30 MHz 1C + 40 MHz 1C)][5C(1C+4C)]**

Ant.	Mod	NR 10 MHz		NR( 10 MHz + 10 MHz + 30 MHz + 40 MHz)		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	3 555.00	11.03	3 655.00	20.37	20.84	0.12
	16QAM	3 555.00	10.98	3 655.00	20.29	20.77	0.12
	64QAM	3 555.00	11.02	3 655.00	20.30	20.79	0.12
	256QAM	3 555.00	11.07	3 655.00	20.30	20.79	0.12
1	QPSK	3 555.00	10.99	3 655.00	20.12	20.62	0.12
	16QAM	3 555.00	11.04	3 655.00	20.15	20.65	0.12
	64QAM	3 555.00	11.08	3 655.00	20.14	20.65	0.12
	256QAM	3 555.00	11.08	3 655.00	20.15	20.66	0.12

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 555.00 + 3 655.00	0.24	0.24	0.24	0.24

**CBRS NR[(40 MHz 1C + 30 MHz 1C + 10 MHz 1C + 10 MHz 1C) + 10 MHz 1C][5C(4C+1C)]**

Ant.	Mod	NR( 40 MHz + 30 MHz + 10 MHz + 10 MHz)		NR 10 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	3 595.00	20.50	3 695.00	10.26	20.89	0.12
	16QAM	3 595.00	20.55	3 695.00	10.31	20.94	0.12
	64QAM	3 595.00	20.54	3 695.00	10.35	20.94	0.12
	256QAM	3 595.00	20.51	3 695.00	10.30	20.91	0.12
1	QPSK	3 595.00	20.55	3 695.00	10.31	20.95	0.13
	16QAM	3 595.00	20.45	3 695.00	10.43	20.86	0.13
	64QAM	3 595.00	20.50	3 695.00	10.45	20.91	0.13
	256QAM	3 595.00	20.52	3 695.00	10.34	20.92	0.13

**Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier**

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 595.00 + 3 695.00	0.26	0.25	0.26	0.25

**CBRS NR[60 MHz 1C + (10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C)][5C(1C+4C)]**

Ant.	Mod	NR 60 MHz		NR( 10 MHz + 10 MHz + 10 MHz + 10 MHz)		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	3 580.00	18.23	3 680.00	16.41	20.43	0.11
	16QAM	3 580.00	18.23	3 680.00	16.40	20.42	0.11
	64QAM	3 580.00	18.22	3 680.00	16.41	20.42	0.11
	256QAM	3 580.00	18.21	3 680.00	16.38	20.40	0.11
1	QPSK	3 580.00	18.21	3 680.00	16.42	20.42	0.11
	16QAM	3 580.00	18.25	3 680.00	16.45	20.45	0.11
	64QAM	3 580.00	18.20	3 680.00	16.40	20.40	0.11
	256QAM	3 580.00	18.11	3 680.00	16.28	20.30	0.11

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 580.00 + 3 680.00	0.23	0.23	0.23	0.23

**CBRS NR[(10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C) + 60 MHz 1C][5C(4C+1C)]**

Ant.	Mod	NR( 10 MHz + 10 MHz + 10 MHz + 10 MHz)		NR 60 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	3 570.00	16.42	3 670.00	18.25	20.44	0.11
	16QAM	3 570.00	16.60	3 670.00	18.42	20.61	0.12
	64QAM	3 570.00	16.52	3 670.00	18.36	20.55	0.11
	256QAM	3 570.00	16.49	3 670.00	18.29	20.49	0.11
1	QPSK	3 570.00	16.39	3 670.00	18.20	20.40	0.11
	16QAM	3 570.00	16.35	3 670.00	18.16	20.36	0.11
	64QAM	3 570.00	16.32	3 670.00	18.14	20.33	0.11
	256QAM	3 570.00	16.30	3 670.00	18.10	20.30	0.11

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 570.00 + 3 670.00	0.23	0.23	0.23	0.23

**CBRS NR 60 MHz 1C + (NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 10 MHz 1C)[5C(1C+4C)]**

Ant.	Mod	NR 60 MHz		NR 10 MHz + NR 10 MHz + NR 10 MHz + LTE 10 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	3 580.00	18.18	3 680.00	16.51	20.43	0.11
	16QAM	3 580.00	18.17	3 680.00	16.47	20.41	0.11
	64QAM	3 580.00	18.19	3 680.00	16.53	20.45	0.11
	256QAM	3 580.00	18.38	3 680.00	16.68	20.62	0.12
1	QPSK	3 580.00	18.15	3 680.00	16.49	20.41	0.11
	16QAM	3 580.00	18.41	3 680.00	16.73	20.66	0.12
	64QAM	3 580.00	18.12	3 680.00	16.75	20.50	0.11
	256QAM	3 580.00	18.43	3 680.00	16.76	20.69	0.12

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 580.00 + 3 680.00	0.23	0.23	0.23	0.24

**CBRS (LTE 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C) + NR 60 MHz 1C [5C(4C+1C)]**

Ant.	Mod	LTE 10 MHz + NR 10 MHz + NR 10 MHz + NR 10 MHz		NR 60 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	3 570.00	16.25	3 670.00	18.07	20.26	0.11
	16QAM	3 570.00	16.21	3 670.00	18.09	20.26	0.11
	64QAM	3 570.00	16.23	3 670.00	18.09	20.27	0.11
	256QAM	3 570.00	16.21	3 670.00	18.06	20.24	0.11
1	QPSK	3 570.00	16.20	3 670.00	18.02	20.21	0.11
	16QAM	3 570.00	16.17	3 670.00	18.00	20.19	0.10
	64QAM	3 570.00	16.14	3 670.00	18.01	20.19	0.10
	256QAM	3 570.00	16.14	3 670.00	17.97	20.16	0.10

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
(3 555.00 + 3 565.00 + 3 575.00 + 3 585.00) + 3 670.00	0.22	0.22	0.22	0.22

**CBRS LTE 5 MHz 1C + (LTE 5 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C) [5C(1C+4C)]**

Ant.	Mod	LTE 5 MHz		LTE 5 MHz + NR 10 MHz + NR 10 MHz + NR 10 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	3 552.50	12.00	3 682.50	19.74	20.41	0.11
	16QAM	3 552.50	11.94	3 682.50	19.72	20.39	0.11
	64QAM	3 552.50	11.91	3 682.50	19.75	20.41	0.11
	256QAM	3 552.50	11.97	3 682.50	19.72	20.40	0.11
1	QPSK	3 552.50	12.15	3 682.50	19.74	20.44	0.11
	16QAM	3 552.50	12.11	3 682.50	19.69	20.39	0.11
	64QAM	3 552.50	12.04	3 682.50	19.66	20.36	0.11
	256QAM	3 552.50	12.02	3 682.50	19.64	20.34	0.11

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 552.50 + 3 682.50	0.23	0.23	0.23	0.23

**CBRS (NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 5 MHz 1C) + LTE 5 MHz 1C [5C(4C+1C)]**

Ant.	Mod	NR 10 MHz + NR 10 MHz + NR 10 MHz + LTE 5 MHz		LTE 5 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	3 567.50	20.86	3 697.50	11.78	21.36	0.14
	16QAM	3 567.50	20.88	3 697.50	11.68	21.38	0.14
	64QAM	3 567.50	20.86	3 697.50	11.71	21.36	0.14
	256QAM	3 567.50	20.86	3 697.50	11.69	21.36	0.14
1	QPSK	3 567.50	20.65	3 697.50	11.44	21.14	0.13
	16QAM	3 567.50	20.63	3 697.50	11.46	21.13	0.13
	64QAM	3 567.50	20.68	3 697.50	11.47	21.18	0.13
	256QAM	3 567.50	20.64	3 697.50	11.36	21.13	0.13

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 567.50 + 3 697.50	0.28	0.28	0.28	0.27

**CBRS LTE 5 MHz 1C + (NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 40 MHz 1C) [5C(1C+4C)]**

Ant.	Mod	LTE 5 MHz		NR 10 MHz + NR 10 MHz + NR 10 MHz + NR 40 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	3 552.50	9.10	3 665.00	20.28	20.60	0.11
	16QAM	3 552.50	9.06	3 665.00	20.27	20.58	0.11
	64QAM	3 552.50	8.97	3 665.00	20.27	20.58	0.11
	256QAM	3 552.50	9.01	3 665.00	20.25	20.57	0.11
1	QPSK	3 552.50	8.94	3 665.00	20.88	21.15	0.13
	16QAM	3 552.50	8.97	3 665.00	20.87	21.14	0.13
	64QAM	3 552.50	8.92	3 665.00	20.86	21.13	0.13
	256QAM	3 552.50	8.90	3 665.00	20.87	21.14	0.13

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 552.50 + 3 665.00	0.25	0.25	0.25	0.25

**CBRS (NR 40 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C) + LTE 5 MHz 1C [5C(4C+1C)]**

Ant.	Mod	NR 40 MHz + NR 10 MHz + NR 10 MHz + NR 10 MHz		LTE 5 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	3 585.00	20.59	3 697.50	9.49	20.91	0.12
	16QAM	3 585.00	20.59	3 697.50	9.44	20.91	0.12
	64QAM	3 585.00	20.56	3 697.50	9.58	20.90	0.12
	256QAM	3 585.00	20.60	3 697.50	9.54	20.93	0.12
1	QPSK	3 585.00	20.59	3 697.50	9.35	20.90	0.12
	16QAM	3 585.00	20.60	3 697.50	9.35	20.91	0.12
	64QAM	3 585.00	20.59	3 697.50	9.29	20.90	0.12
	256QAM	3 585.00	20.57	3 697.50	9.33	20.89	0.12

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 585.00 + 3 697.50	0.25	0.25	0.25	0.25

**CBRS LTE 5 MHz 1C + (LTE 5 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 40 MHz 1C) [5C(1C+4C)]**

Ant.	Mod	LTE 5 MHz		LTE 5 MHz + NR 10 MHz + NR 10 MHz + NR 40 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	3 552.50	9.59	3 667.50	20.21	20.57	0.11
	16QAM	3 552.50	9.66	3 667.50	20.24	20.60	0.11
	64QAM	3 552.50	9.75	3 667.50	20.20	20.57	0.11
	256QAM	3 552.50	9.66	3 667.50	20.19	20.56	0.11
1	QPSK	3 552.50	9.60	3 667.50	19.98	20.36	0.11
	16QAM	3 552.50	9.61	3 667.50	20.00	20.38	0.11
	64QAM	3 552.50	9.56	3 667.50	19.99	20.36	0.11
	256QAM	3 552.50	9.56	3 667.50	20.05	20.42	0.11

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 552.50 + 3 667.50	0.23	0.23	0.23	0.23

**CBRS (NR 40 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 5 MHz 1C) + LTE 5 MHz 1C [5C(4C+1C)]**

Ant.	Mod	NR 40 MHz + NR 10 MHz + NR 10 MHz + LTE 5 MHz		LTE 5 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	3 582.50	20.94	3 697.50	9.37	21.23	0.13
	16QAM	3 582.50	20.95	3 697.50	9.45	21.24	0.13
	64QAM	3 582.50	20.91	3 697.50	9.46	21.21	0.13
	256QAM	3 582.50	20.91	3 697.50	9.52	21.21	0.13
1	QPSK	3 582.50	21.19	3 697.50	9.45	21.47	0.14
	16QAM	3 582.50	21.18	3 697.50	9.52	21.47	0.14
	64QAM	3 582.50	21.17	3 697.50	9.50	21.46	0.14
	256QAM	3 582.50	21.17	3 697.50	9.48	21.45	0.14

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 582.50 + 3 697.50	0.28	0.28	0.28	0.28

**CBRS LTE 5 MHz 1C + (LTE 5 MHz 1C + LTE 5 MHz 1C + NR 40 MHz 1C + NR 40 MHz 1C) [5C(1C+4C)]**

Ant.	Mod	LTE 5 MHz		LTE 5 MHz + LTE 5 MHz + NR 40 MHz + NR 40 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	3 552.50	8.08	3 655.00	20.51	20.75	0.12
	16QAM	3 552.50	8.02	3 655.00	20.47	20.71	0.12
	64QAM	3 552.50	8.02	3 655.00	20.44	20.68	0.12
	256QAM	3 552.50	8.06	3 655.00	20.42	20.67	0.12
1	QPSK	3 552.50	8.06	3 655.00	20.29	20.54	0.11
	16QAM	3 552.50	8.01	3 655.00	20.26	20.51	0.11
	64QAM	3 552.50	7.97	3 655.00	20.30	20.55	0.11
	256QAM	3 552.50	8.00	3 655.00	20.26	20.51	0.11

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 552.50 + 3 655.00	0.24	0.24	0.24	0.24

**CBRS (NR 40 MHz 1C + NR 40 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C) + LTE 5 MHz 1C [5C(4C+1C)]**

Ant.	Mod	NR 40 MHz + NR 40 MHz + LTE 5 MHz + LTE 5 MHz		LTE 5 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	3 595.00	20.53	3 697.50	7.99	20.76	0.12
	16QAM	3 595.00	20.53	3 697.50	8.01	20.76	0.12
	64QAM	3 595.00	20.49	3 697.50	8.01	20.73	0.12
	256QAM	3 595.00	20.46	3 697.50	8.00	20.70	0.12
1	QPSK	3 595.00	20.64	3 697.50	8.00	20.87	0.12
	16QAM	3 595.00	20.58	3 697.50	8.01	20.82	0.12
	64QAM	3 595.00	20.60	3 697.50	8.00	20.83	0.12
	256QAM	3 595.00	20.60	3 697.50	7.96	20.83	0.12

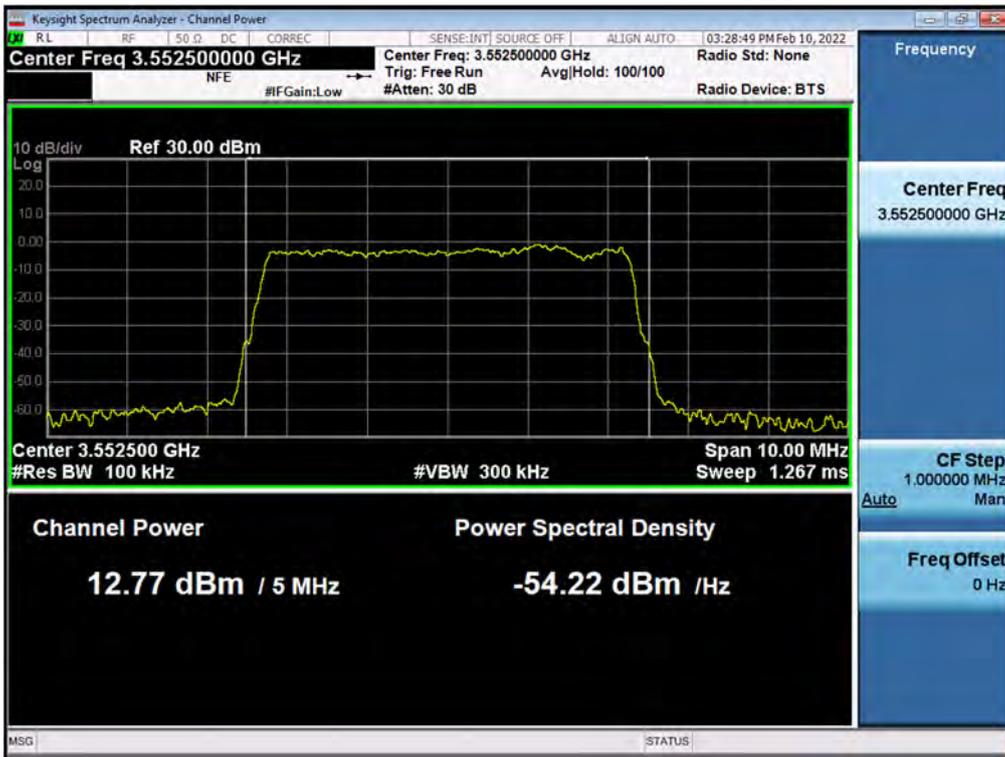
Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

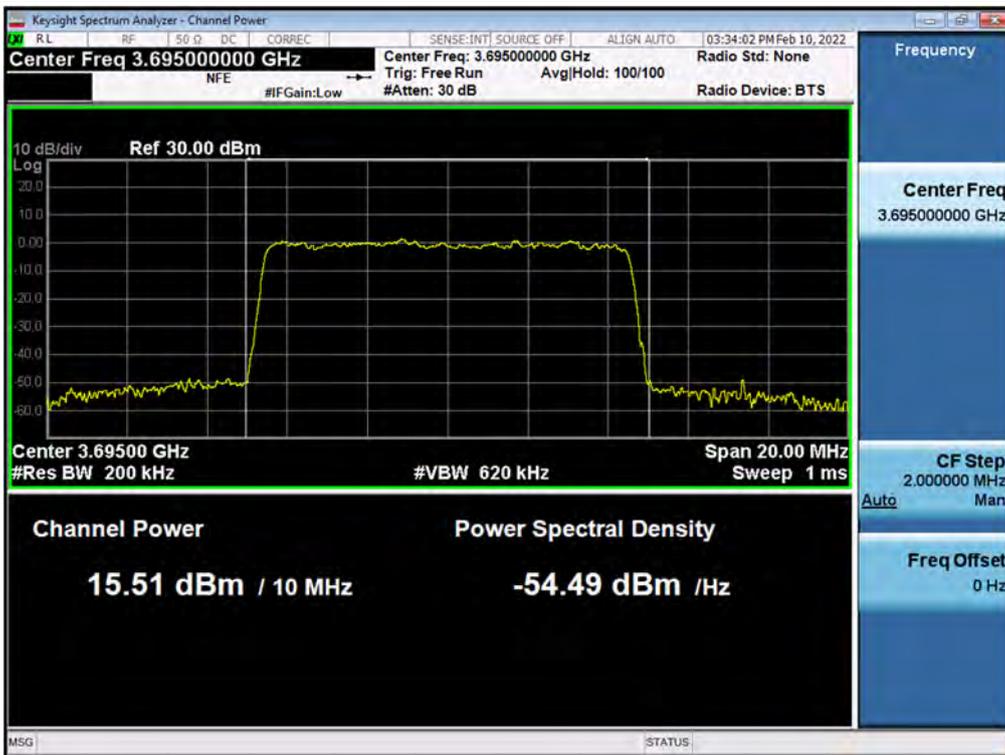
Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
3 595.00 + 3 697.50	0.25	0.25	0.25	0.25

## Plot Data of RF Output Power

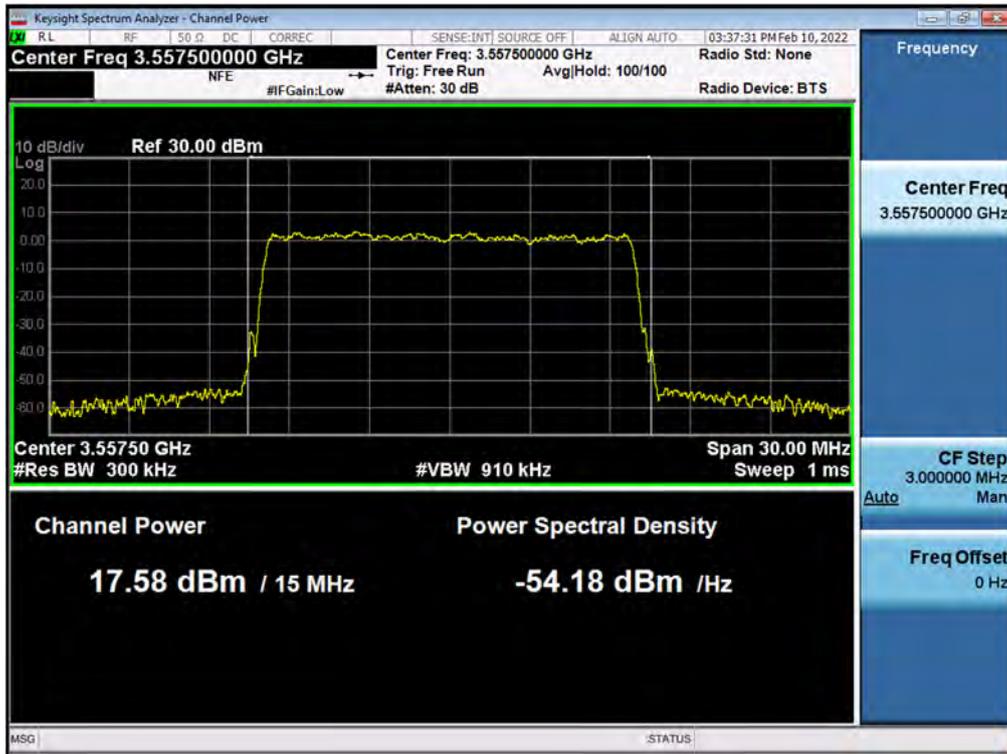
### Antenna 1 / CBRS LTE 5 MHz 1 Carrier / 16QAM / Low



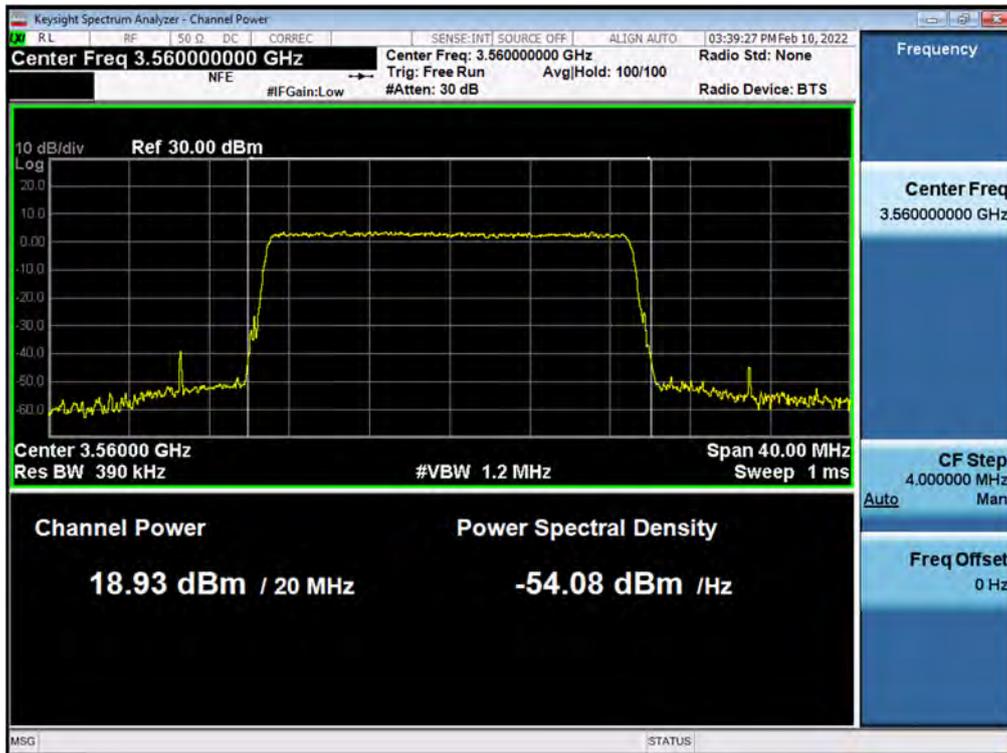
### Antenna 1 / CBRS LTE 10 MHz 1 Carrier / 16QAM / High



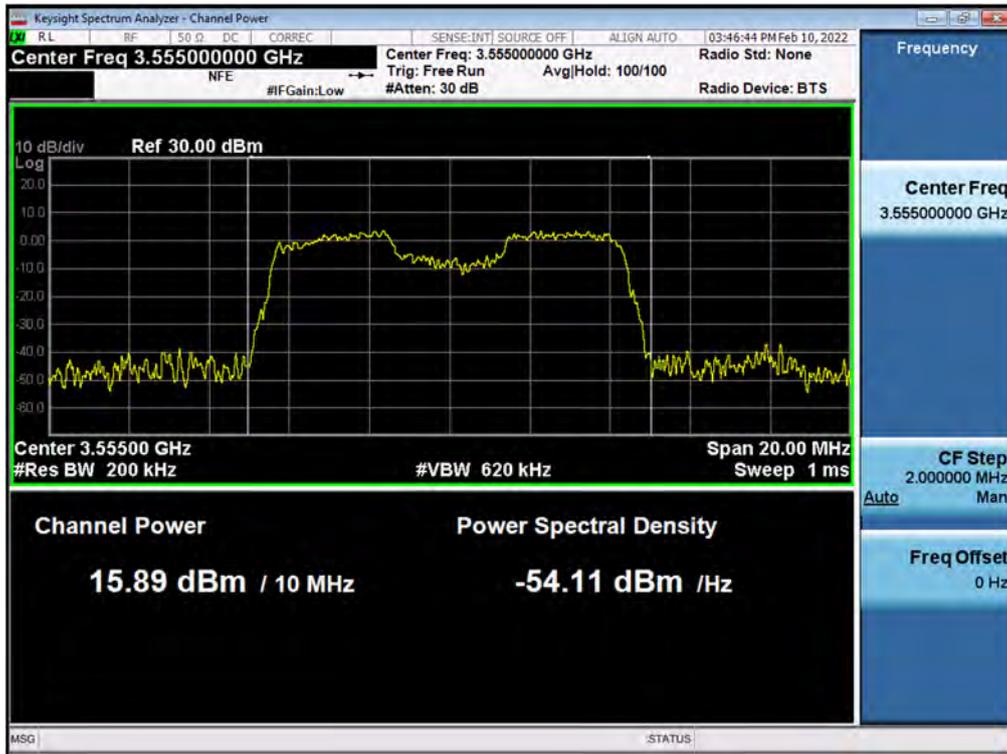
## Antenna 0 / CBRS LTE 15 MHz 1 Carrier / QPSK / Low



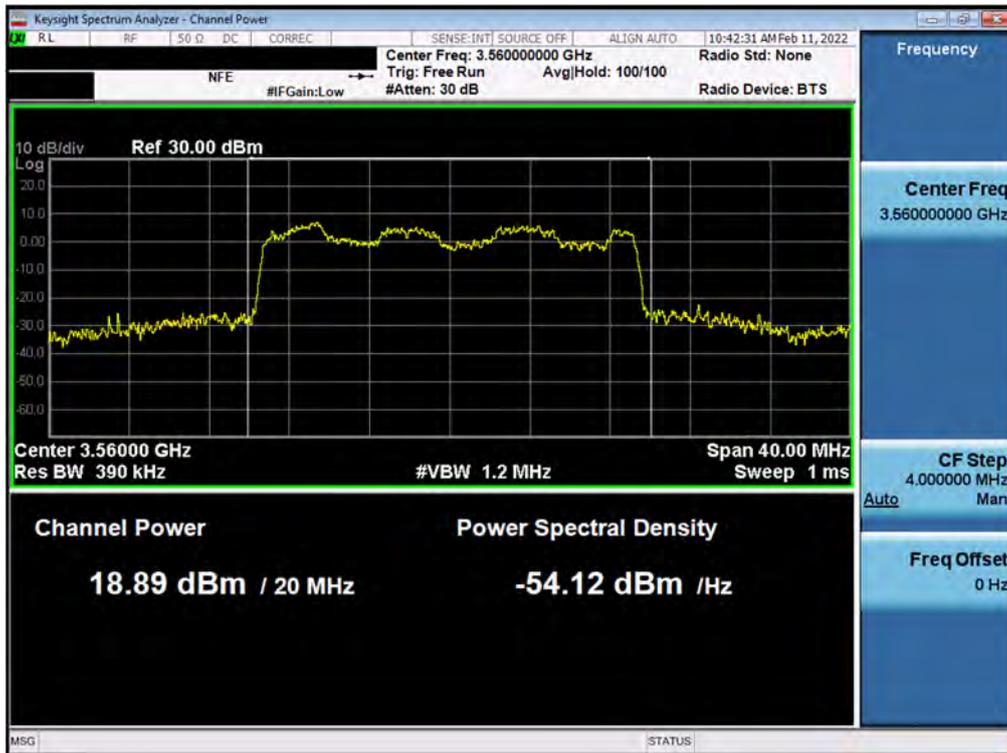
## Antenna 0 / CBRS LTE 20 MHz 1 Carrier / 256QAM / Low



Antenna 1 / CBRS NR 10 MHz 1 Carrier / QPSK / Low



Antenna 0 / CBRS NR 20 MHz 1 Carrier / 16QAM / Low



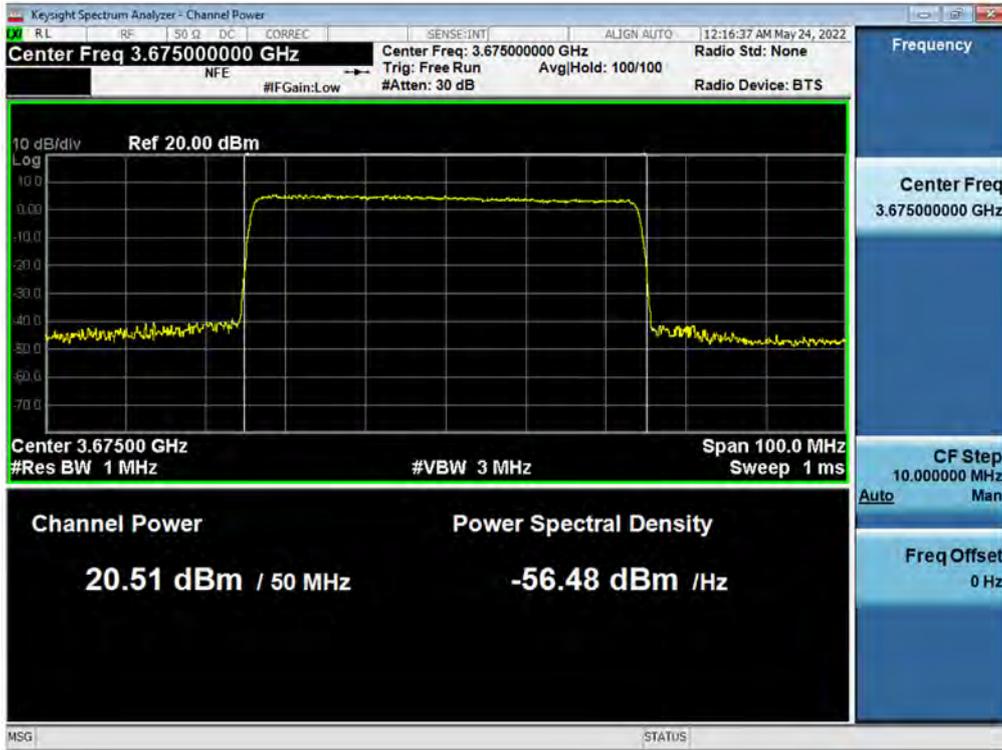
## Antenna 1 / CBRS NR 30 MHz 1 Carrier / 16QAM / High



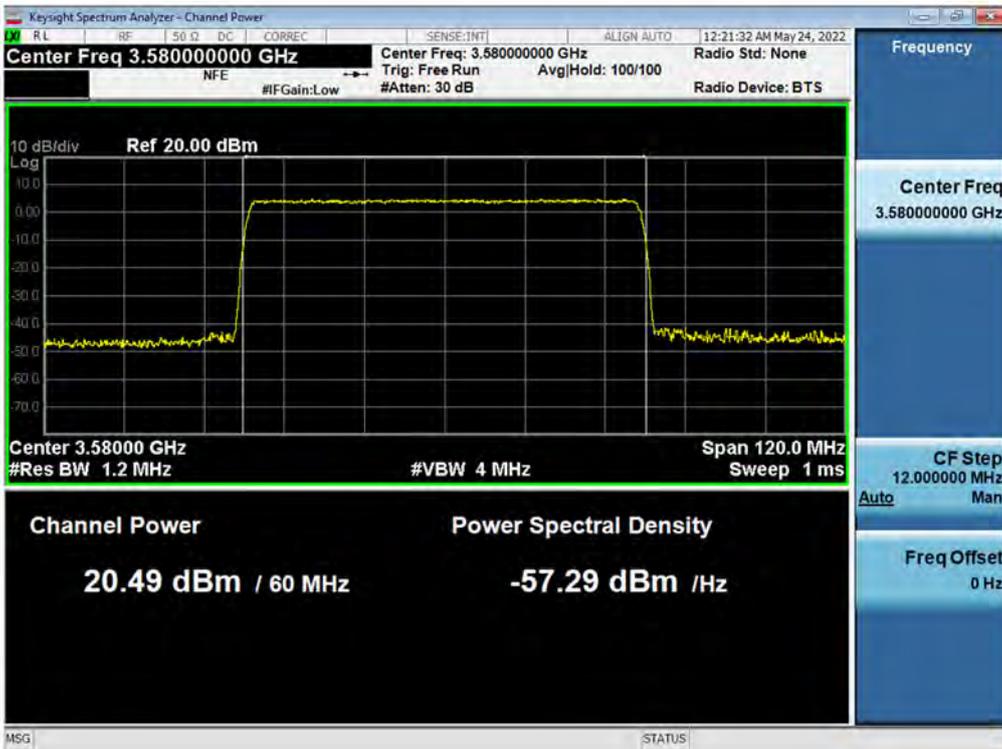
## Antenna 1 / CBRS NR 40 MHz 1 Carrier / 256QAM / High



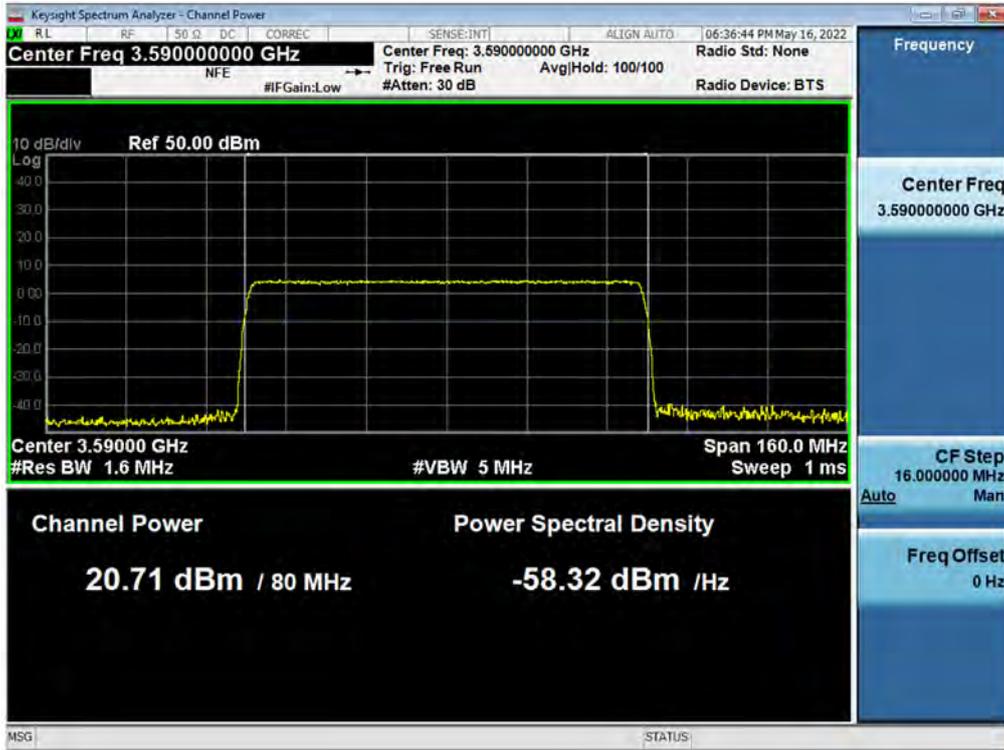
## Antenna 1 / CBRS NR 50 MHz 1 Carrier / 64QAM / High



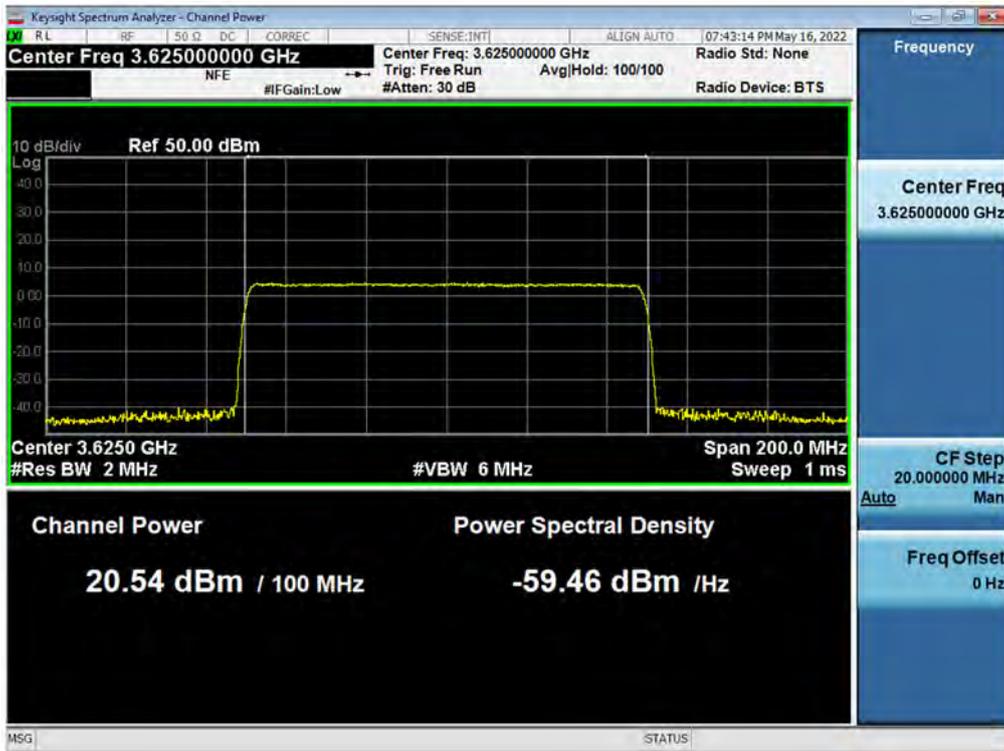
## Antenna 1 / CBRS NR 60 MHz 1 Carrier / 16QAM / Low



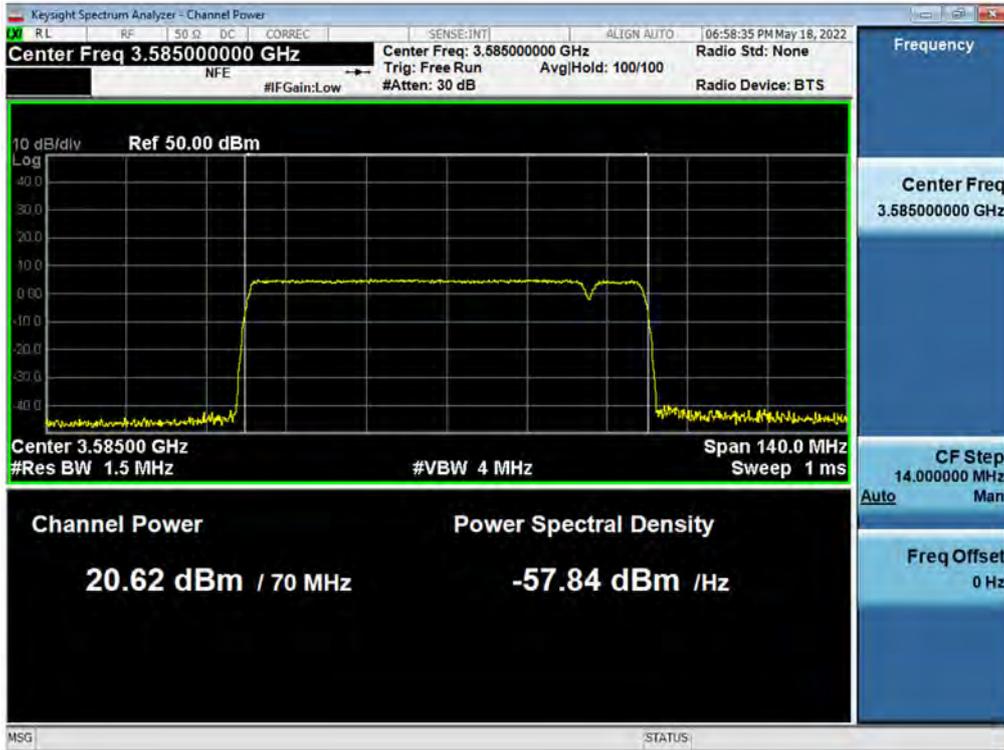
## Antenna 1 / CBRS NR 80 MHz 1 Carrier / 64QAM / Low



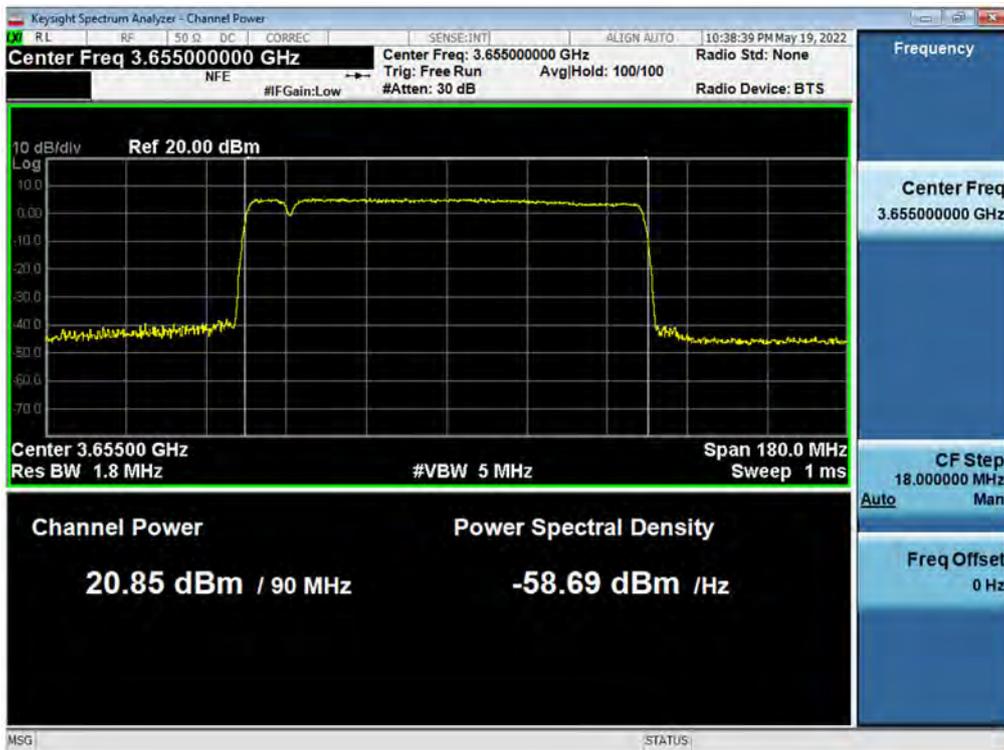
## Antenna 1 / CBRS NR 100 MHz 1 Carrier / QPSK / Middle

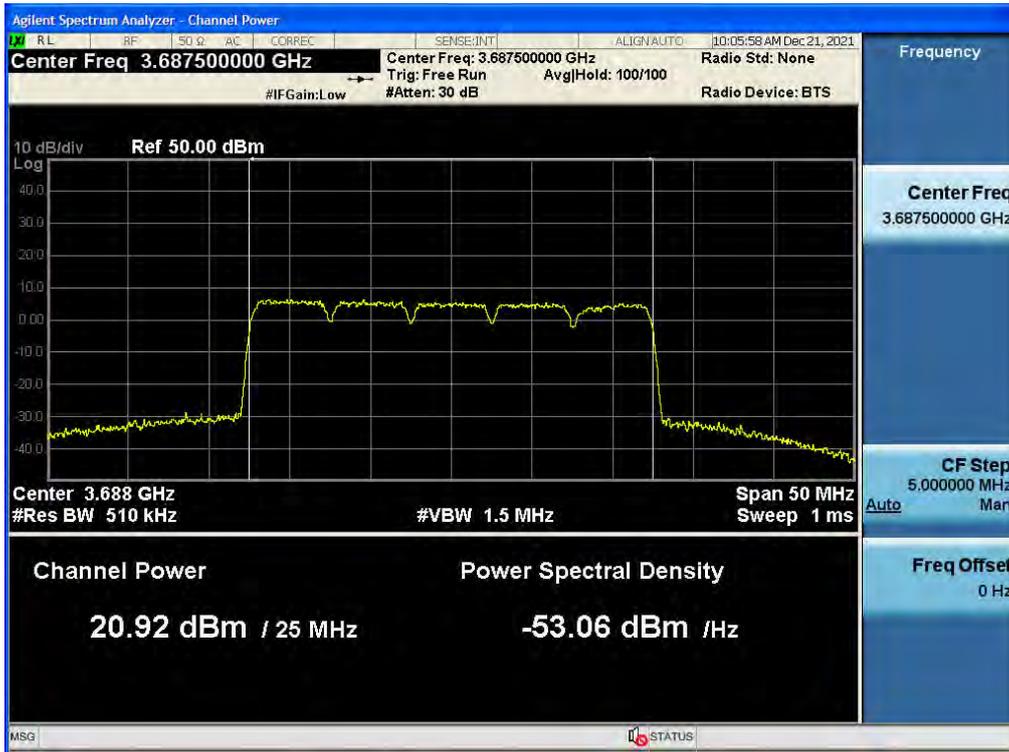
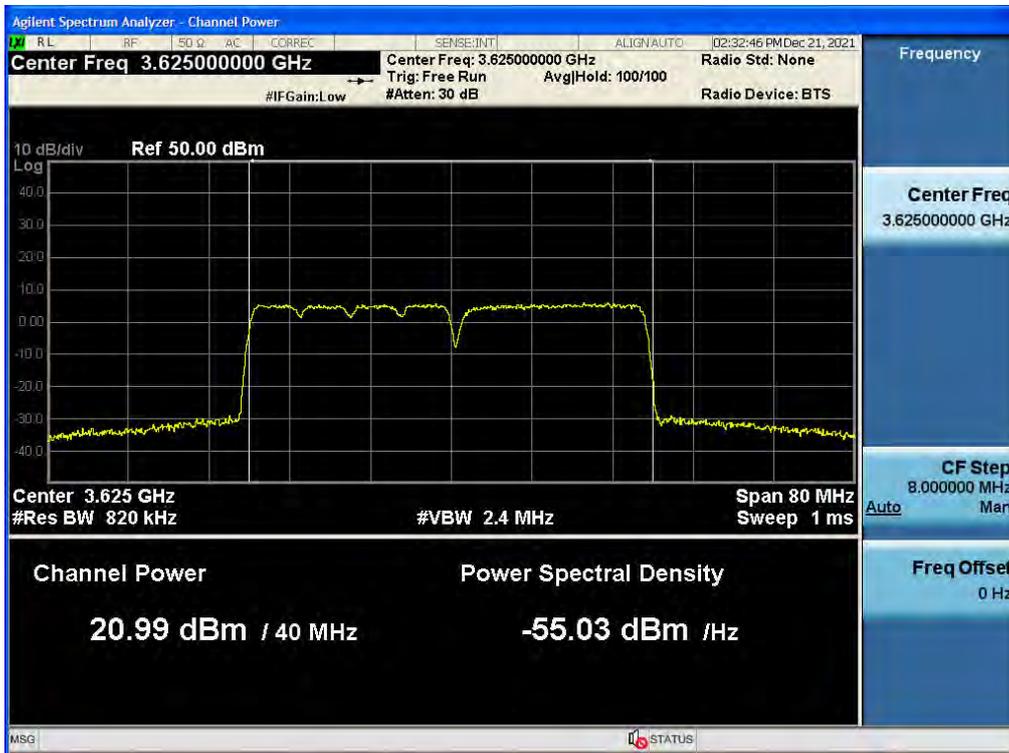


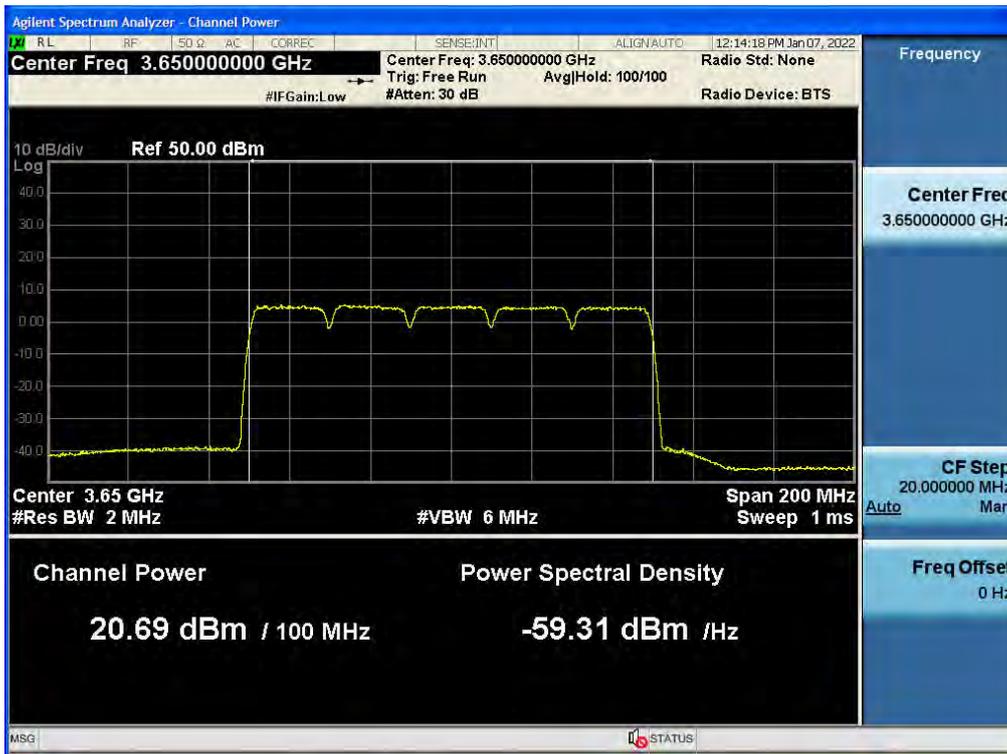
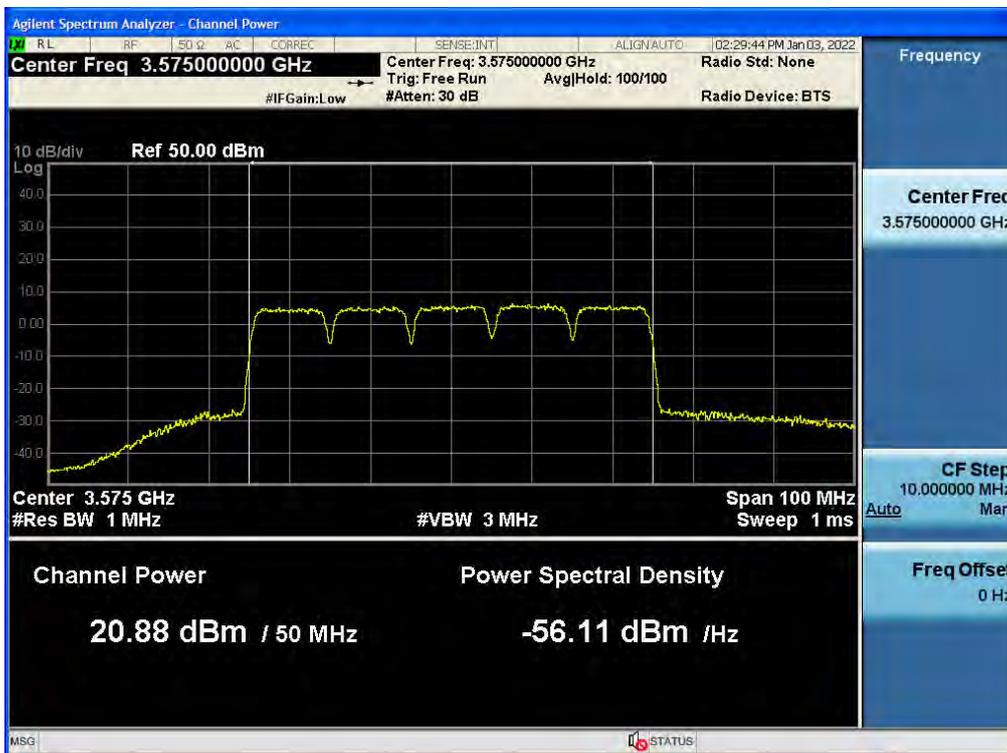
Antenna 0 / CBRS NR(60 MHz 1C + 10 MHz 1C)[2C] / Contiguous / QPSK / Low

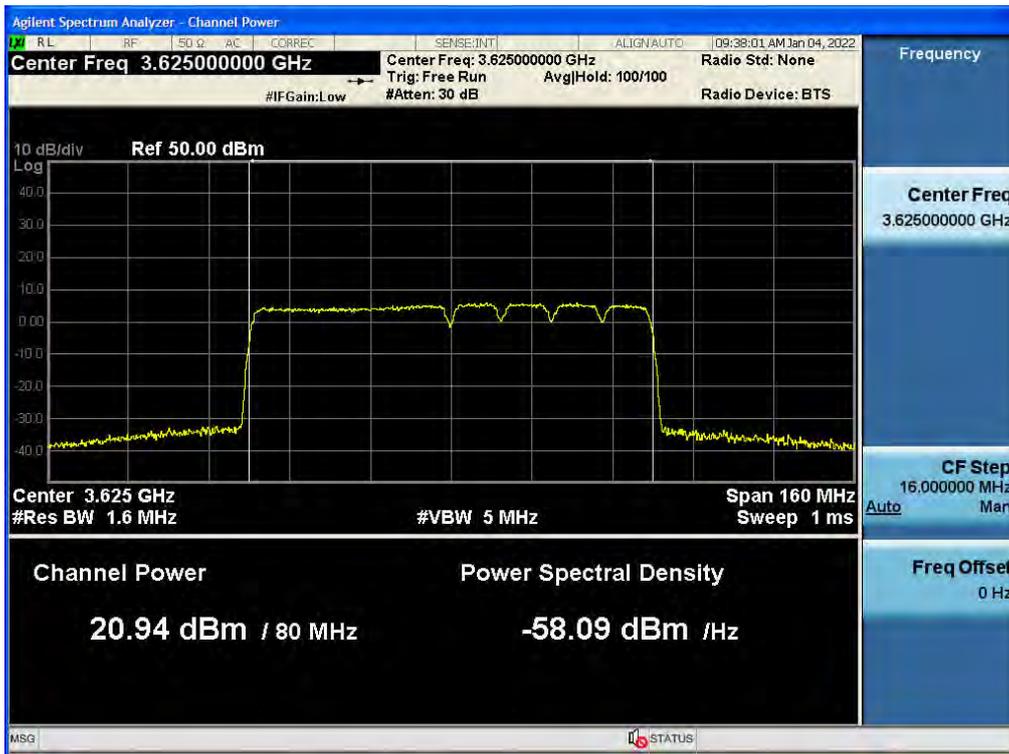
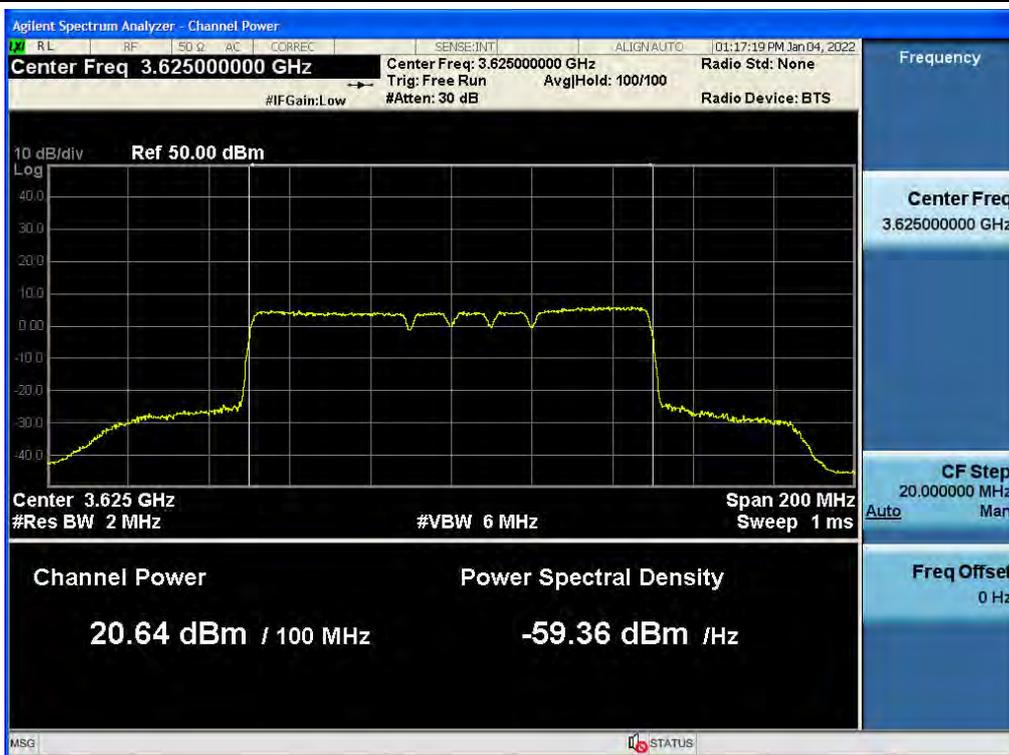


Antenna 0 / CBRS NR(80 MHz 1C + 10 MHz 1C)[2C] / Contiguous / QPSK / High

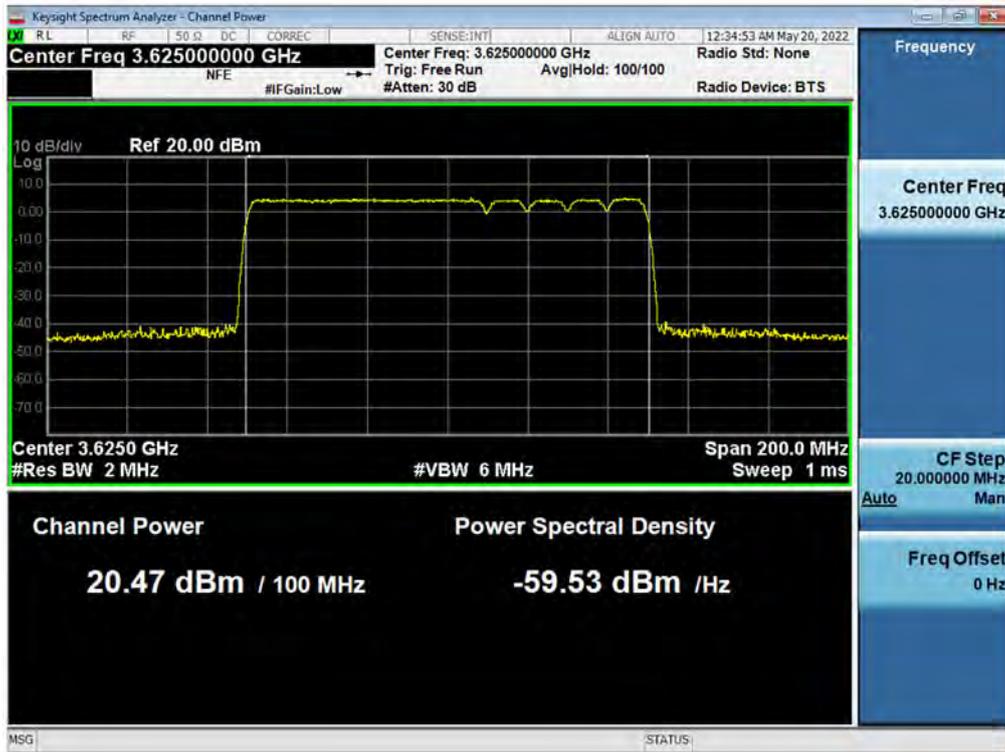


**Antenna 1 / CBRS LTE(5 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C)[5C] / Contiguous / 16QAM / High**

**Antenna 1 / CBRS LTE(20 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C)[5C] / Contiguous / 256QAM / Middle**


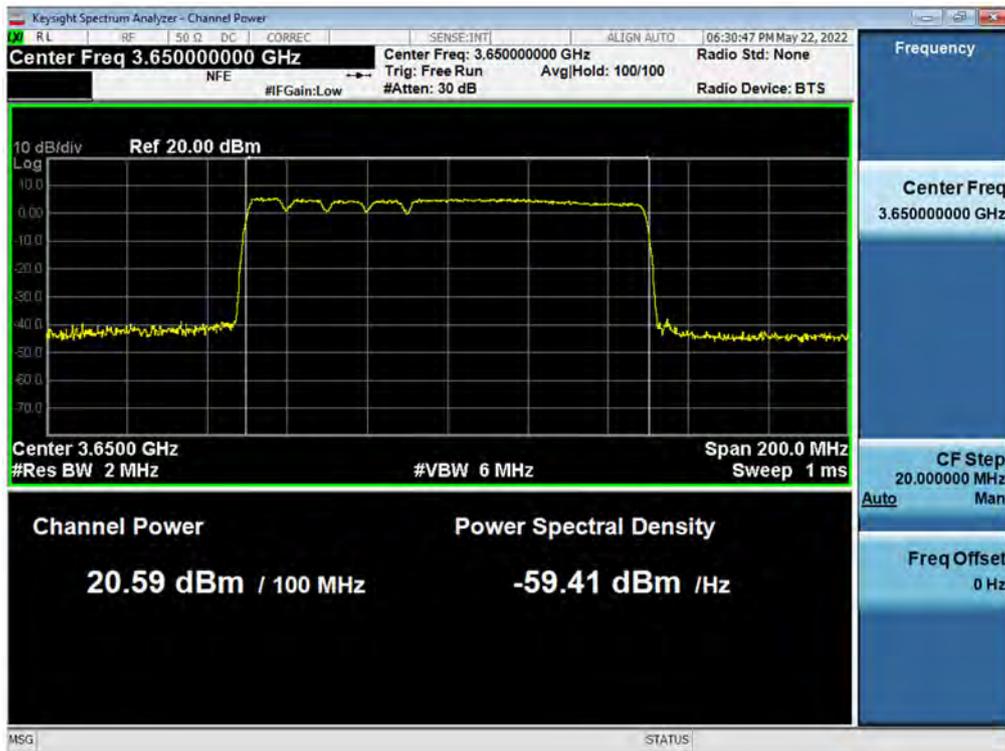
**Antenna 1 / CBRS LTE(20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C)[5C] / Contiguous / QPSK / High**

**Antenna 0 / CBRS NR(10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C)[5C] / Contiguous / 256QAM / Low**


**Antenna 0 / CBRS NR(40 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C)[5C] / Contiguous / Middle / High**

**Antenna 1 / CBRS NR(40 MHz 1C + 30 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C)[5C] / Contiguous / QPSK / Middle**


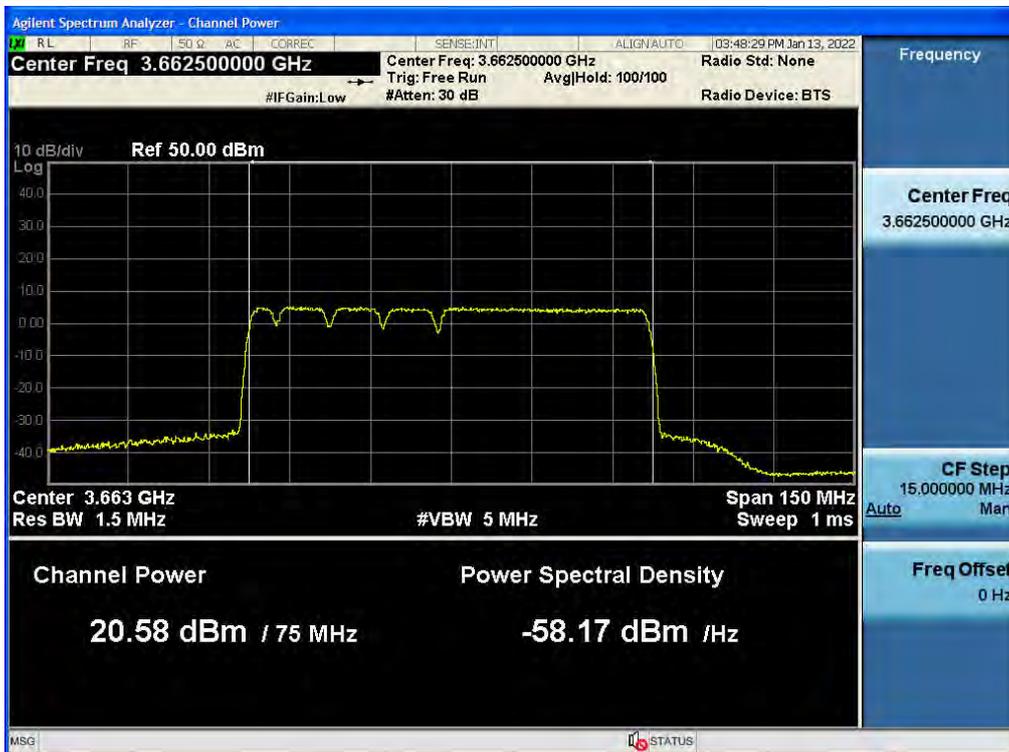
Antenna 0 / CBRS NR(60 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C) [5C] / Contiguous / QPSK / Middle



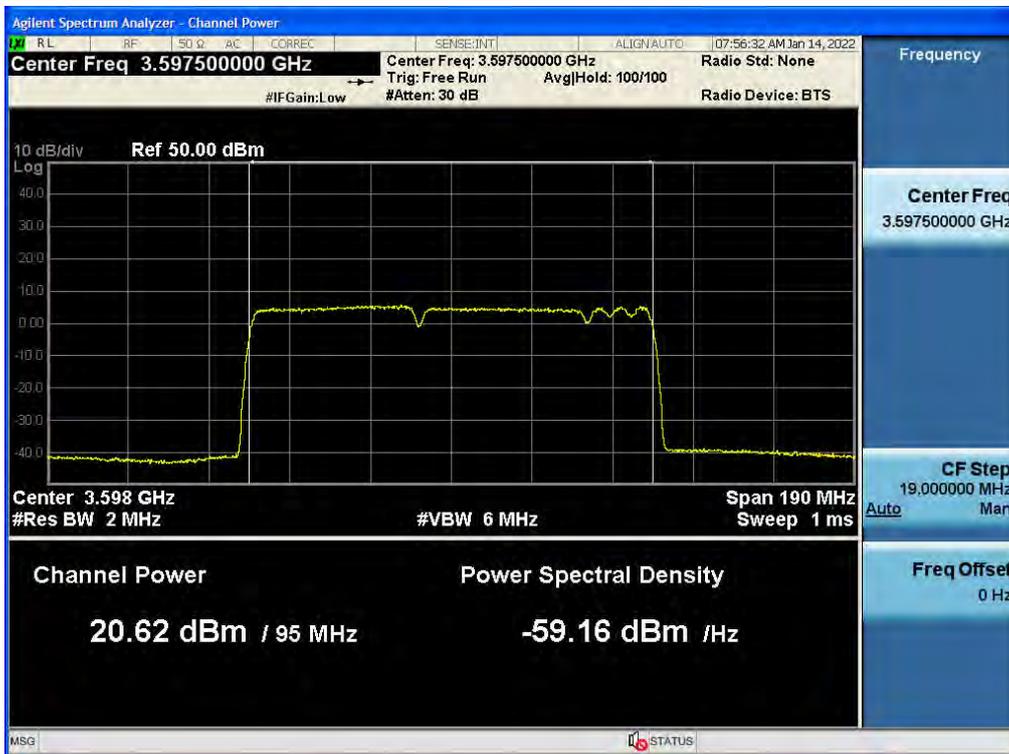
Antenna 0 / CBRS NR 60 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 10 MHz 1C [5C] / Contiguous / QPSK / High



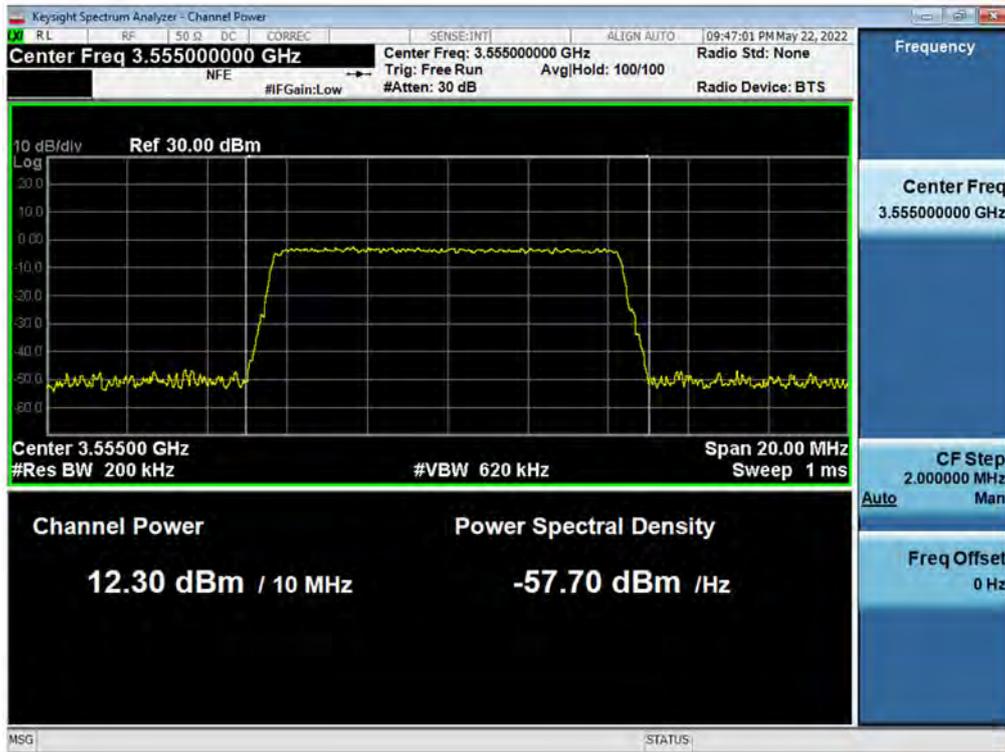
**Antenna 0 / CBRS NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C [5C] / Contiguous / 256QAM / High**

**Antenna 0 / CBRS NR 40 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 5 MHz 1C [5C] / Contiguous / 256QAM / High**


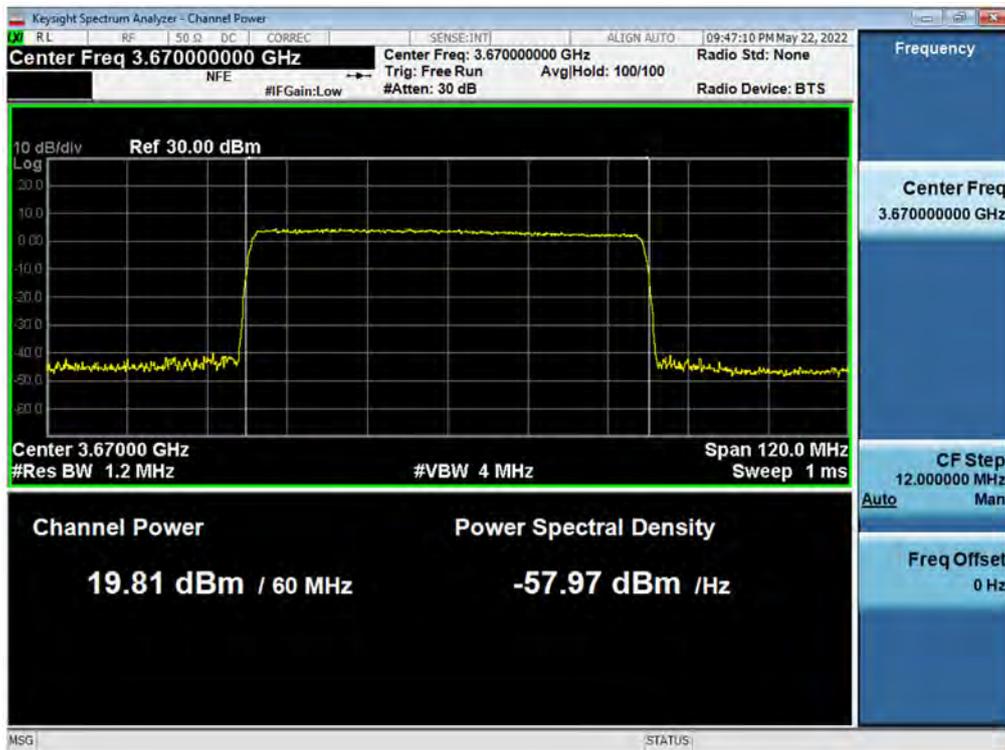
**Antenna 0 / CBRS NR 40 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C [5C] / Contiguous / QPSK / Low**

**Antenna 1 / CBRS NR 40 MHz 1C + NR 40 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C [5C] / Contiguous / 64QAM / Low**


Antenna 0 / CBRS NR(10 MHz 1C + 60 MHz 1C)[2C]/ NR 10 MHz 1C / Non-Contiguous / 64QAM / Low



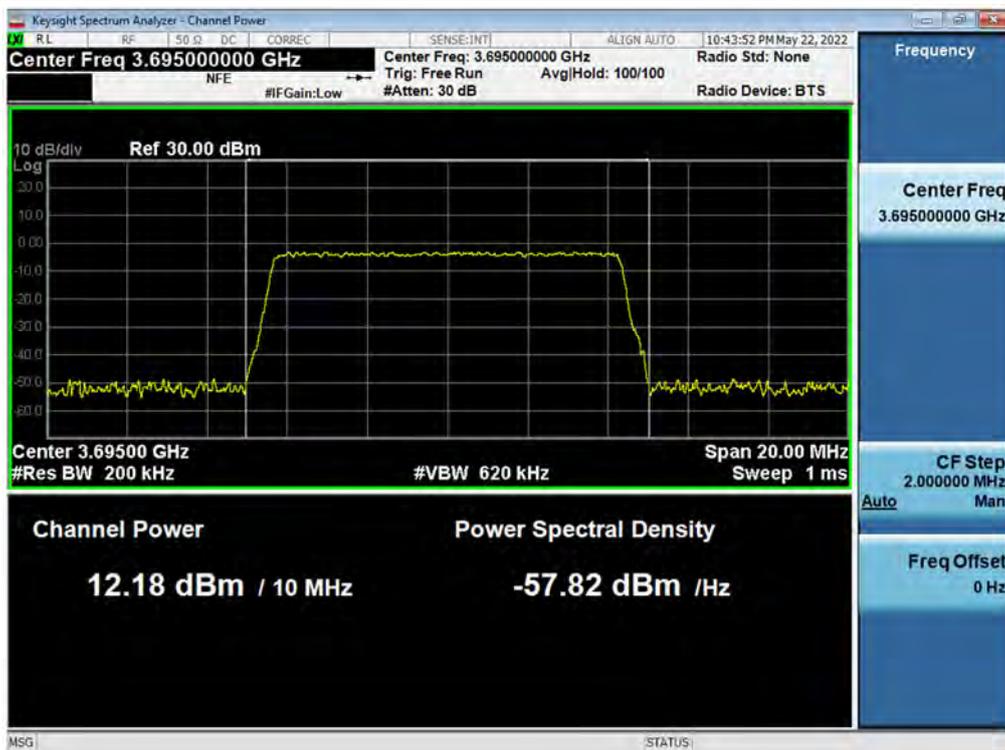
Antenna 0 / CBRS NR(10 MHz 1C + 60 MHz 1C)[2C] / NR 60 MHz 1C / Non-Contiguous / 64QAM / High



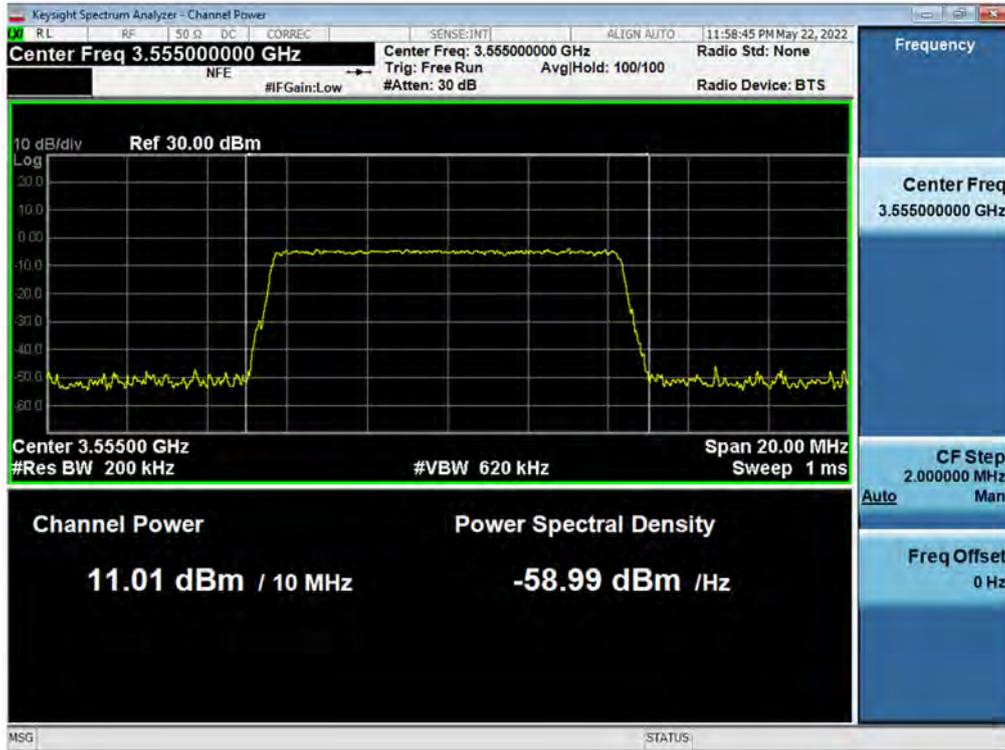
## Antenna 1 / CBRS NR(60 MHz 1C + 10 MHz 1C)[2C]/ NR 60 MHz 1C / Non-Contiguous / QPSK / Low



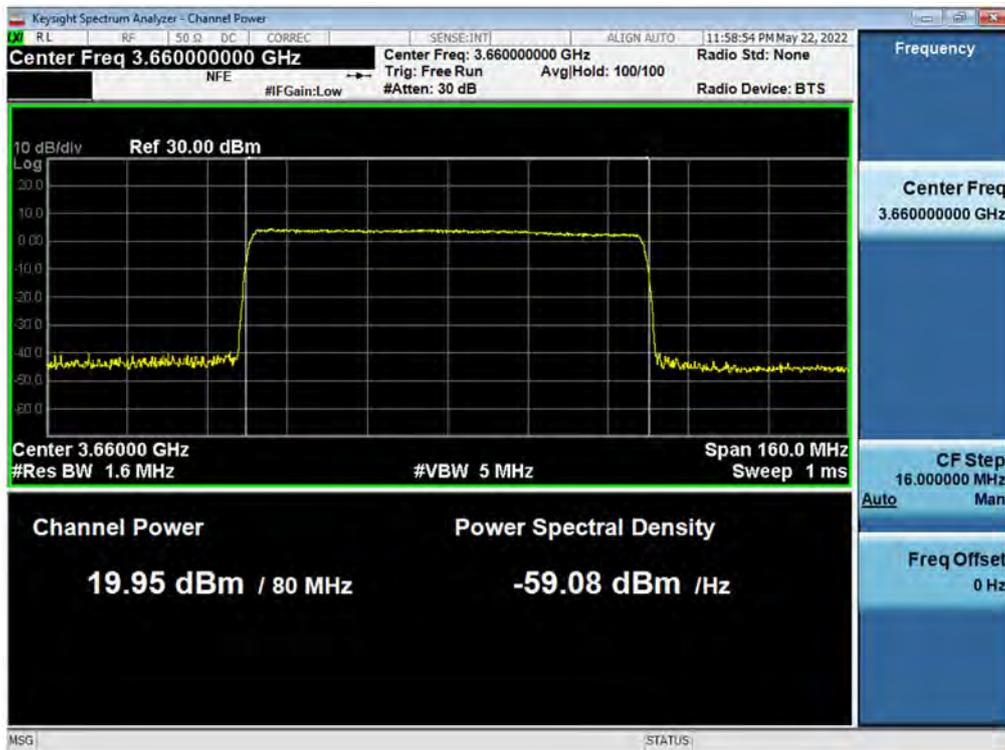
## Antenna 1 / CBRS NR(60 MHz 1C + 10 MHz 1C)[2C] / NR 10 MHz 1C / Non-Contiguous / QPSK / High



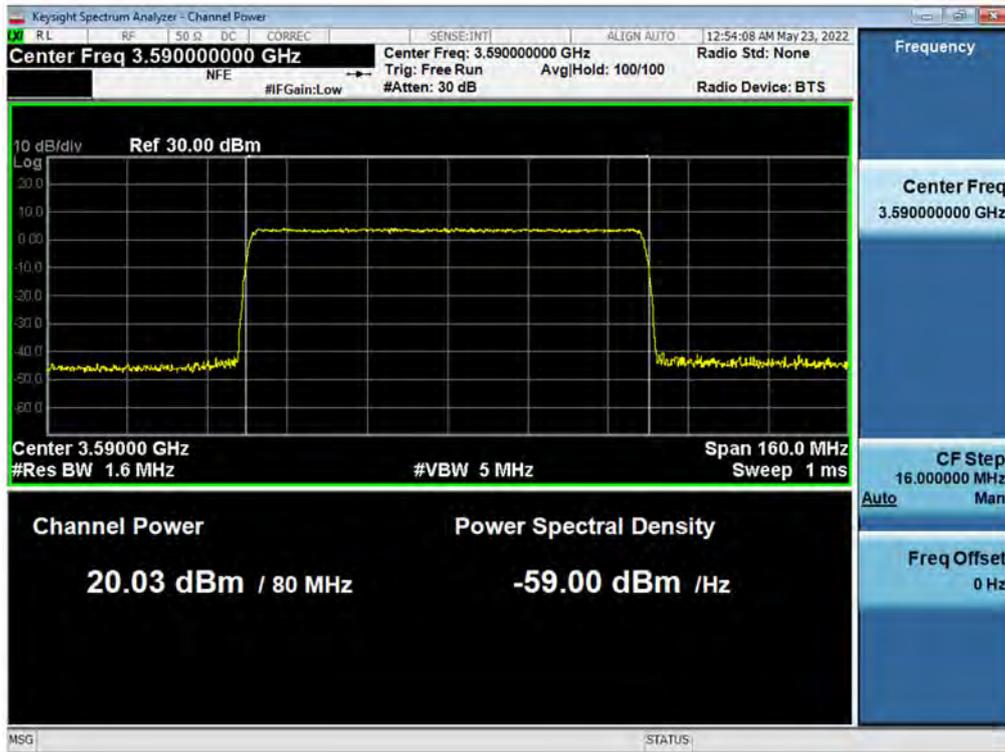
Antenna 0 / CBRS NR(10 MHz 1C + 80 MHz 1C)[2C]/ NR 10 MHz 1C / Non-Contiguous / QPSK / Low



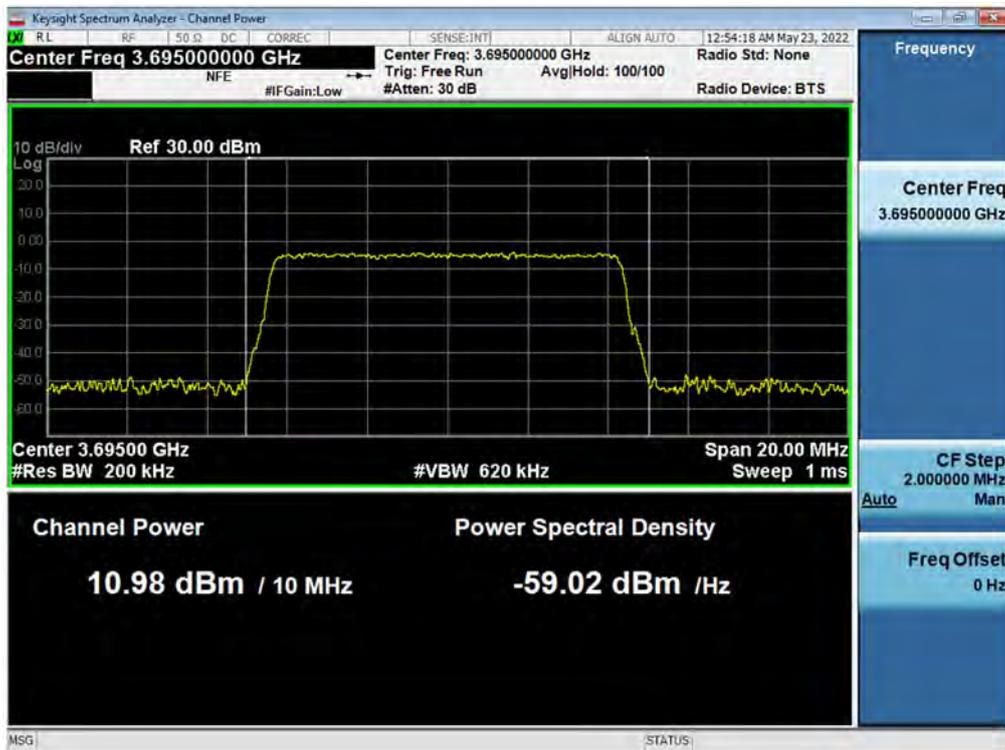
Antenna 0 / CBRS NR(10 MHz 1C + 80 MHz 1C)[2C] / NR 80 MHz 1C / Non-Contiguous / QPSK / High



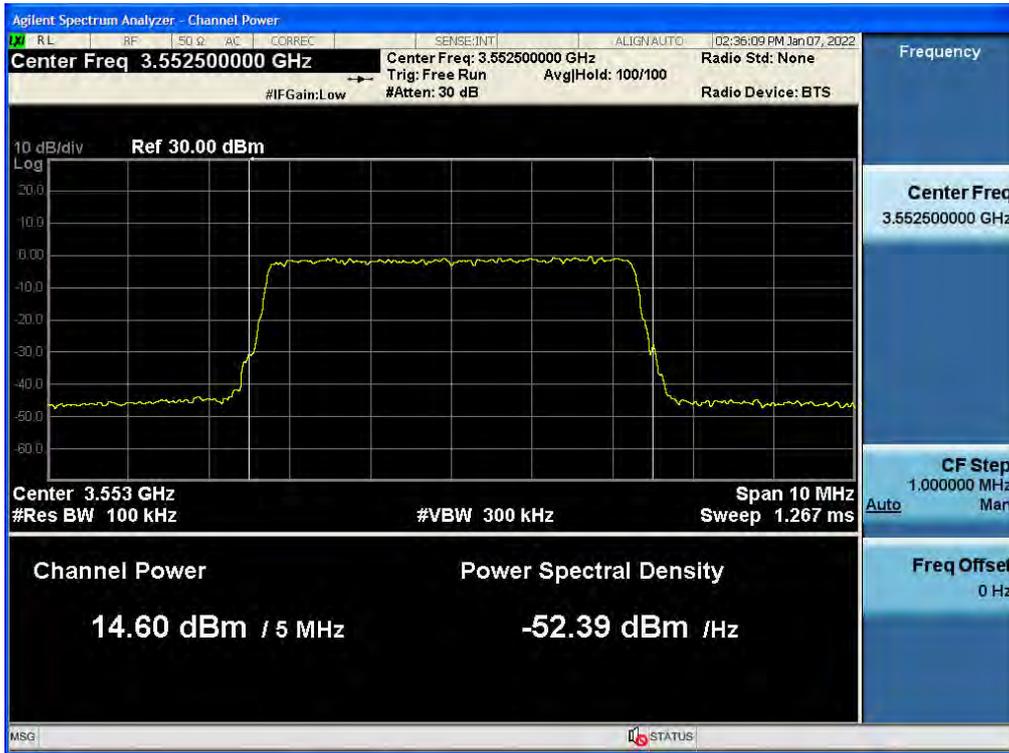
Antenna 0 / CBRS NR(80 MHz 1C + 10 MHz 1C)[2C]/ NR 80 MHz 1C / Non-Contiguous / 16QAM / Low



Antenna 0 / CBRS NR(80 MHz 1C + 10 MHz 1C)[2C] / NR 10 MHz 1C / Non-Contiguous / 16QAM / High



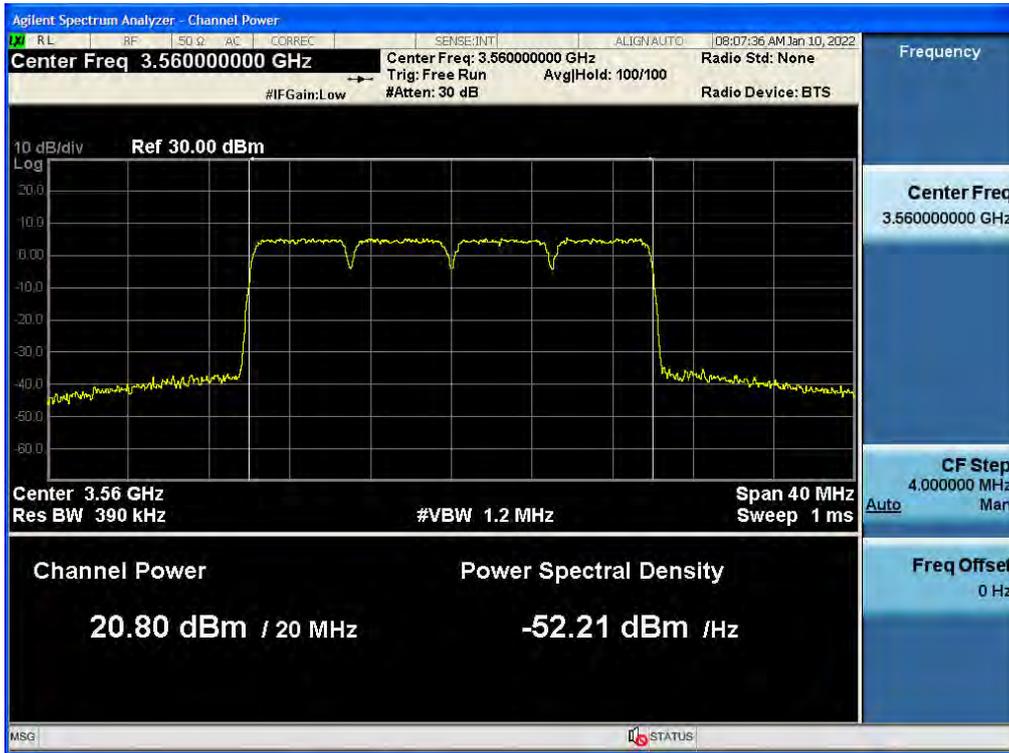
Antenna 1 / CBRS LTE[5 MHz 1C + (5 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C)][5C(1C+4C)] / 5 MHz 1C / Non-Contiguous / 16QAM / Low



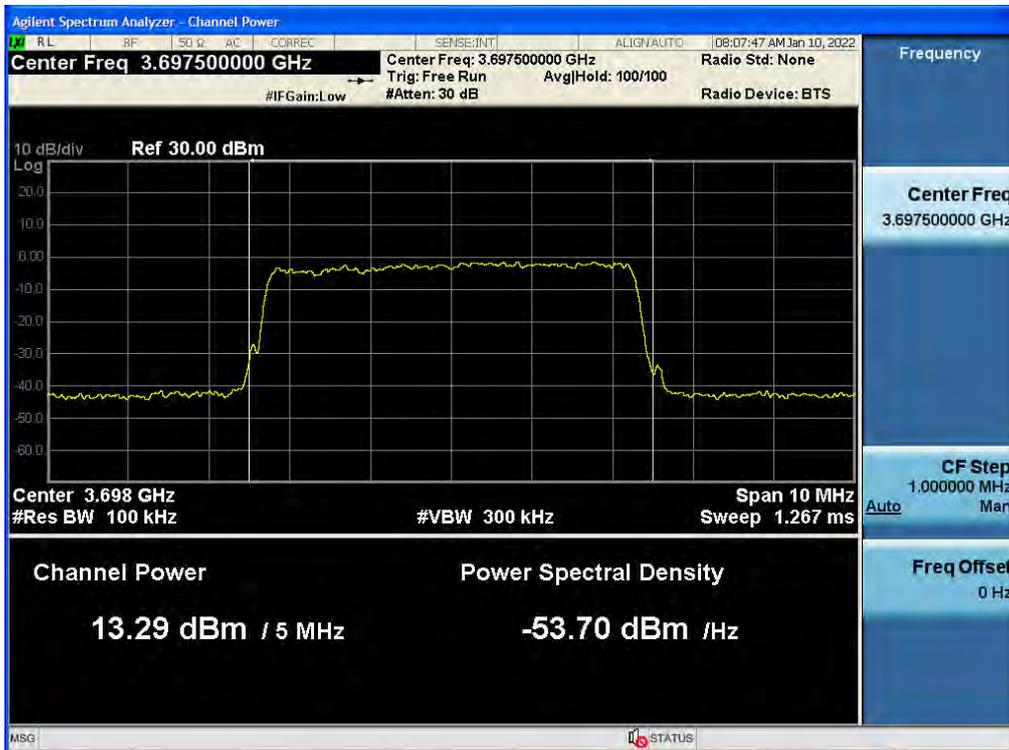
Antenna 1 / CBRS LTE[5 MHz 1C + (5 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C)][5C(1C+4C)] / 5 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C / Non-Contiguous / 16QAM / High



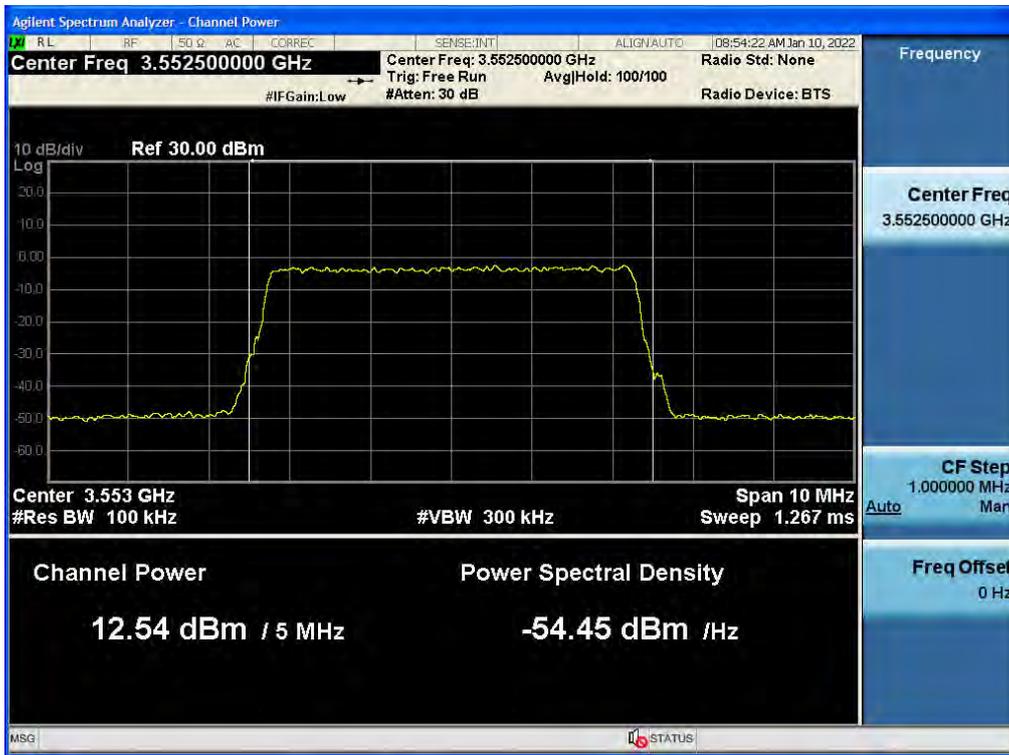
Antenna 0 / CBRS LTE[(5 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C) + 5 MHz 1C][5C(4C+1C)] / 5 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C / Non-Contiguous/ QPSK / Low



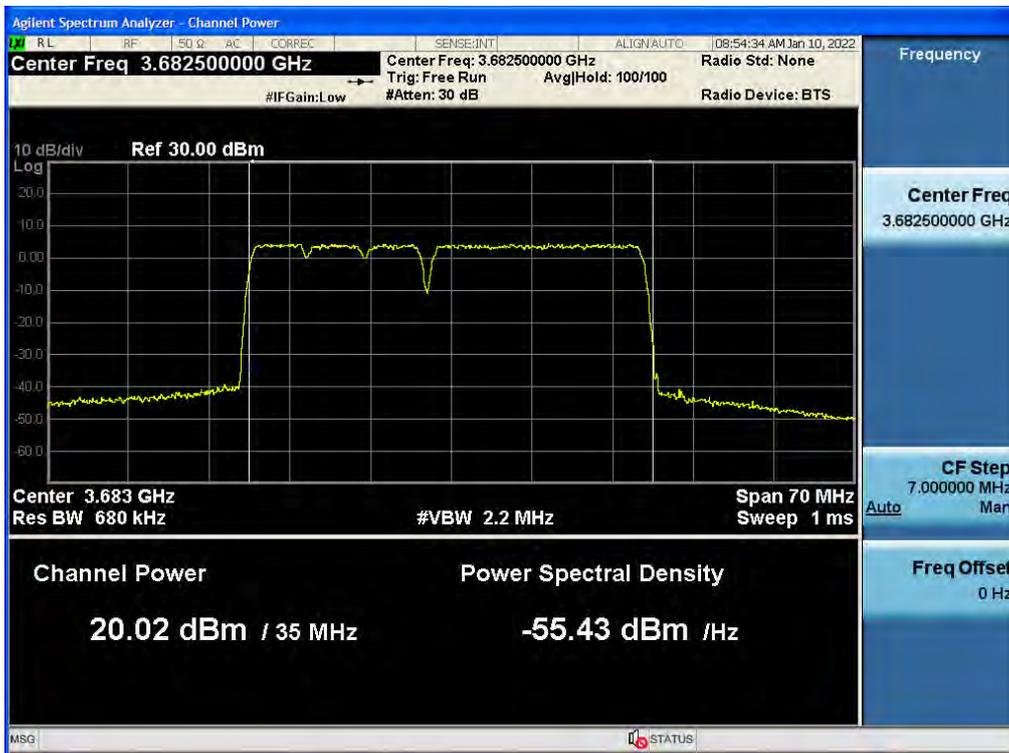
Antenna 0 / CBRS LTE[(5 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C) + 5 MHz 1C][5C(4C+1C)] / 5 MHz 1C / Non-Contiguous/ QPSK / High



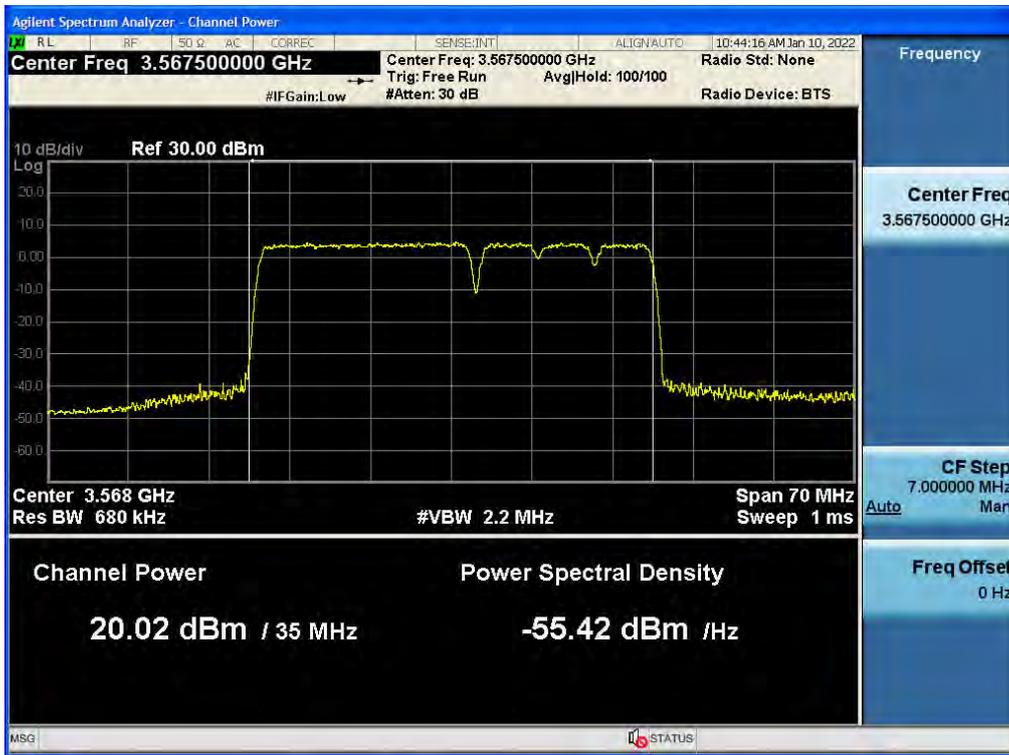
Antenna 1 / CBRS LTE[5 MHz 1C + (5 MHz 1C + 5 MHz 1C + 5 MHz 1C + 20 MHz 1C)][5C(1C+4C)] / 5 MHz 1C / Non-Contiguous / 256QAM / Low



Antenna 1 / CBRS LTE[5 MHz 1C + (5 MHz 1C + 5 MHz 1C + 5 MHz 1C + 20 MHz 1C)][5C(1C+4C)] / 5 MHz 1C + 5 MHz 1C + 5 MHz 1C + 20 MHz 1C / Non-Contiguous / 256QAM / High



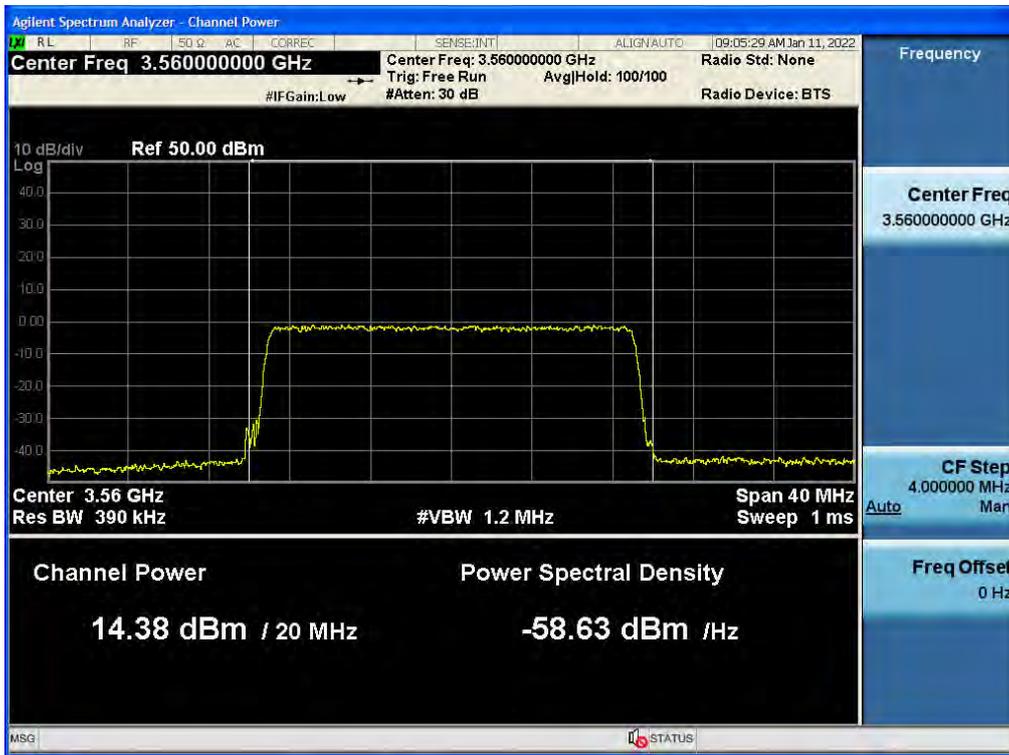
**Antenna 1 / CBRS LTE[(20 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C) + 5 MHz 1C][5C(4C+1C)] / 20 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C / Non-Contiguous / QPSK / High**



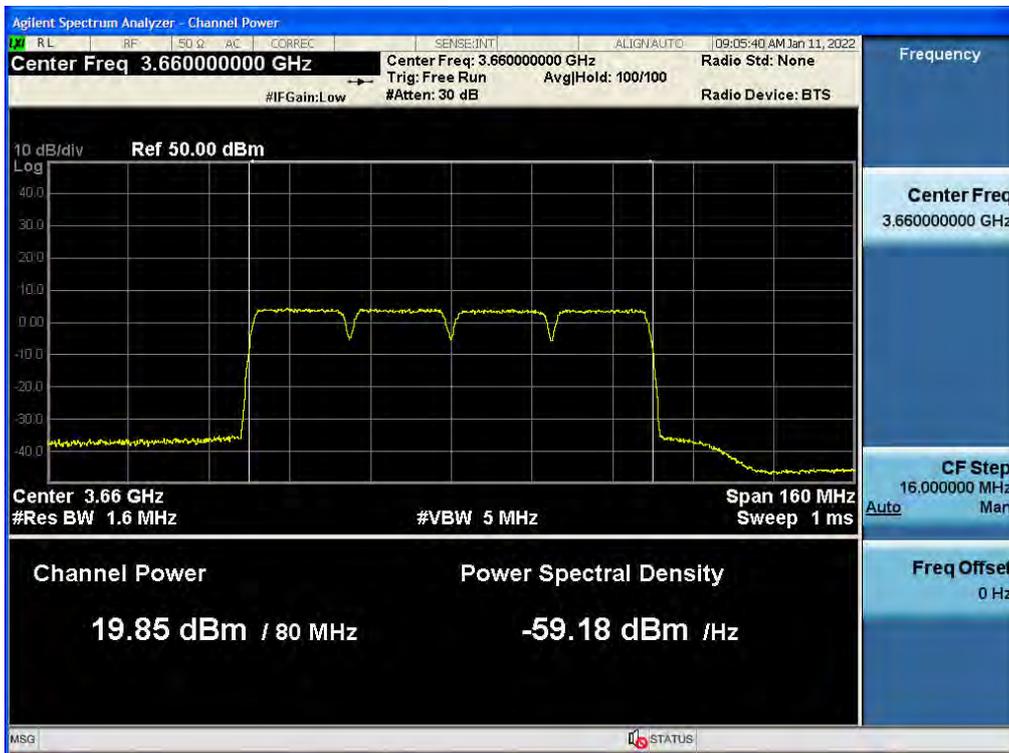
**Antenna 1 / CBRS LTE[(20 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C) + 5 MHz 1C][5C(4C+1C)] / 5 MHz 1C / Non-Contiguous / QPSK / High**



Antenna 0 / CBRS LTE[20 MHz 1C + (20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C)] [5C(1C+4C)] / 20 MHz 1C / Non-Contiguous / 1024QAM / Low



Antenna 0 / CBRS LTE[20 MHz 1C + (20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C)] [5C(1C+4C)] / 20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C / Non-Contiguous / 1024QAM / High



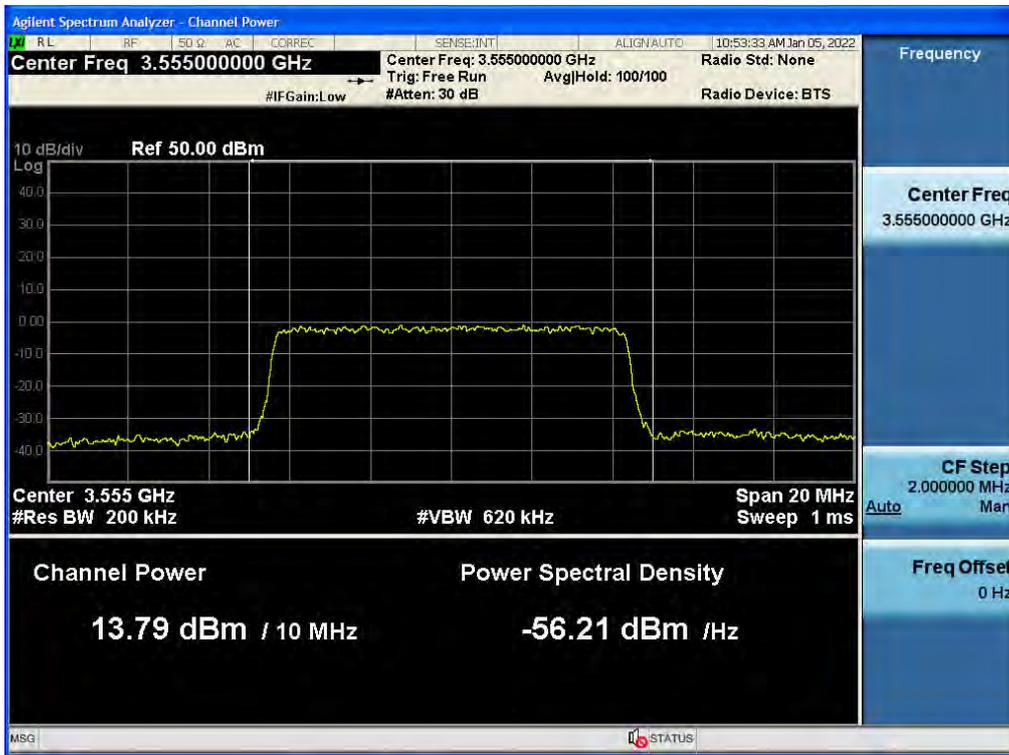
Antenna 0 / CBRS LTE[(20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C) + 20 MHz 1C][5C(4C+1C)] / 20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C / Non-Contiguous / 64QAM / Low



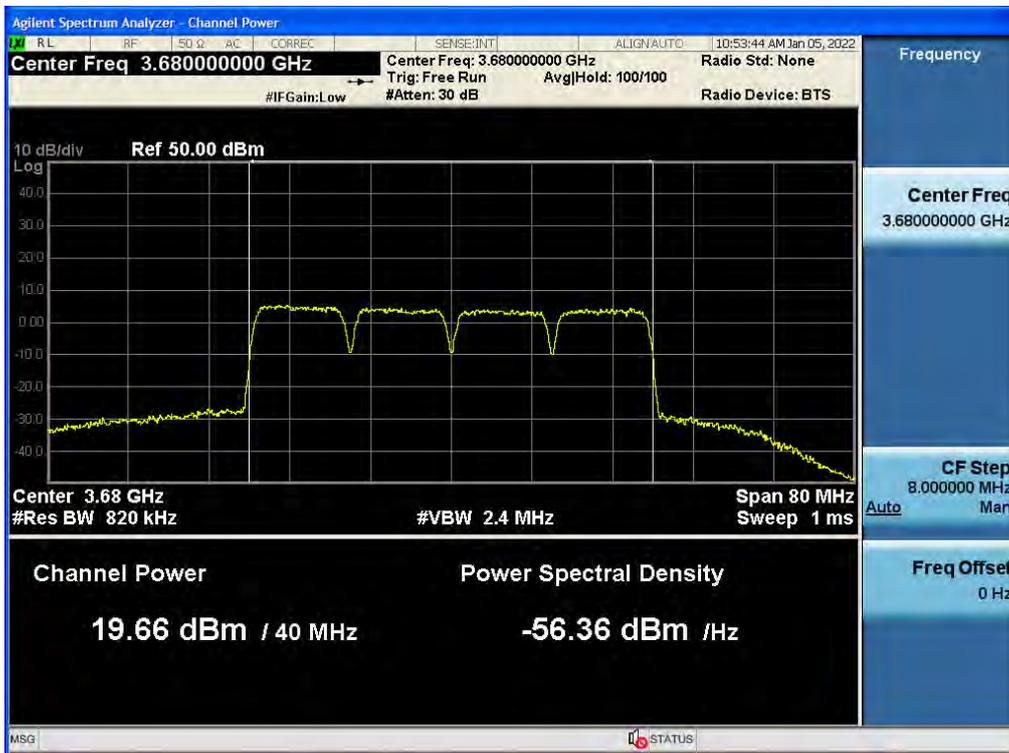
Antenna 0 / CBRS LTE[(20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C) + 20 MHz 1C][5C(4C+1C)] / 20 MHz 1C / Non-Contiguous / 64QAM / High



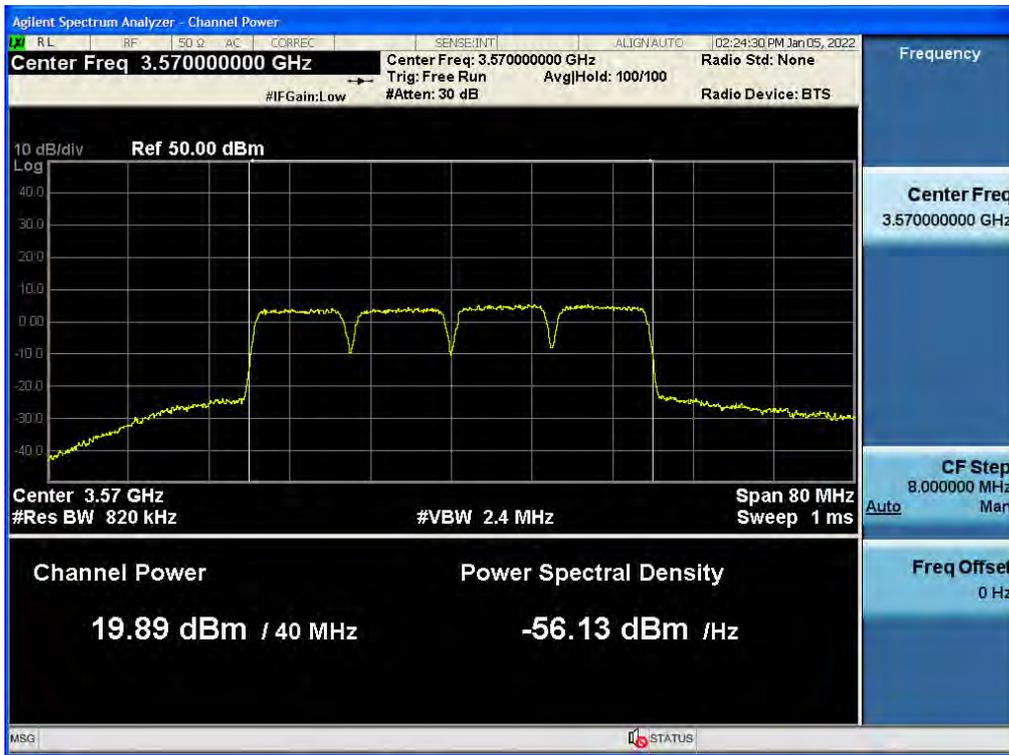
Antenna 0 / CBRS NR[10 MHz 1C + (10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C)][5C(1C+4C)] / 10 MHz 1C / Non-Contiguous / 64QAM / Low



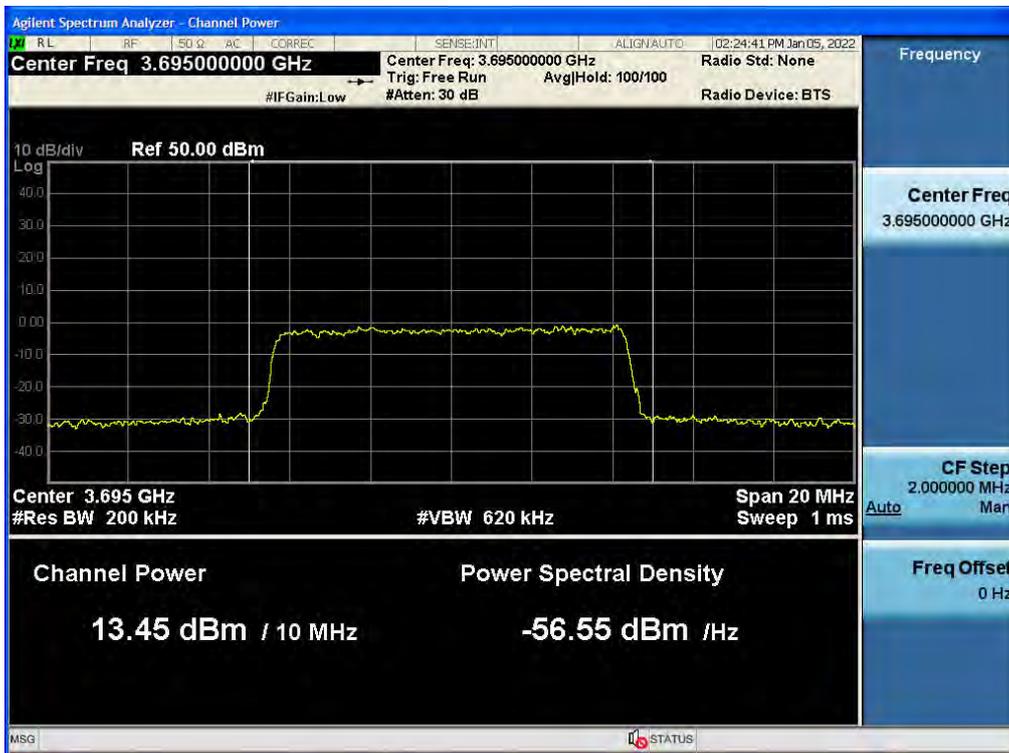
Antenna 0 / CBRS NR[10 MHz 1C + (10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C)][5C(1C+4C)] / 10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C / Non-Contiguous / 64QAM / High



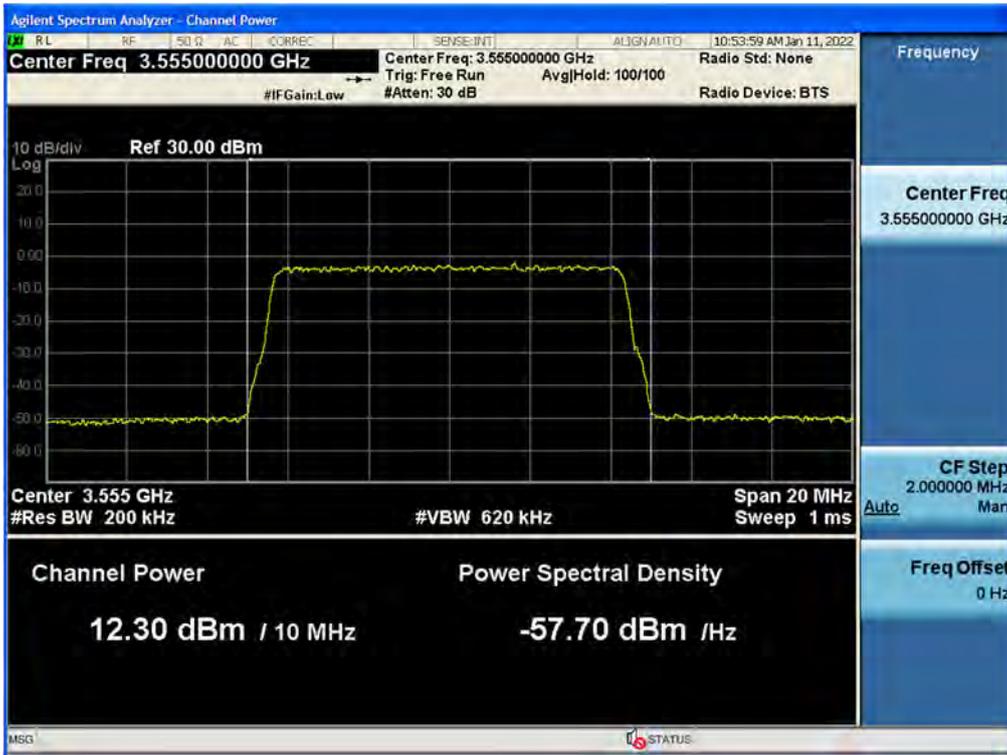
Antenna 1 / CBRS NR[(10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C) + 10 MHz 1C][5C(4C+1C)] / 10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C / Non-Contiguous / QPSK / Low



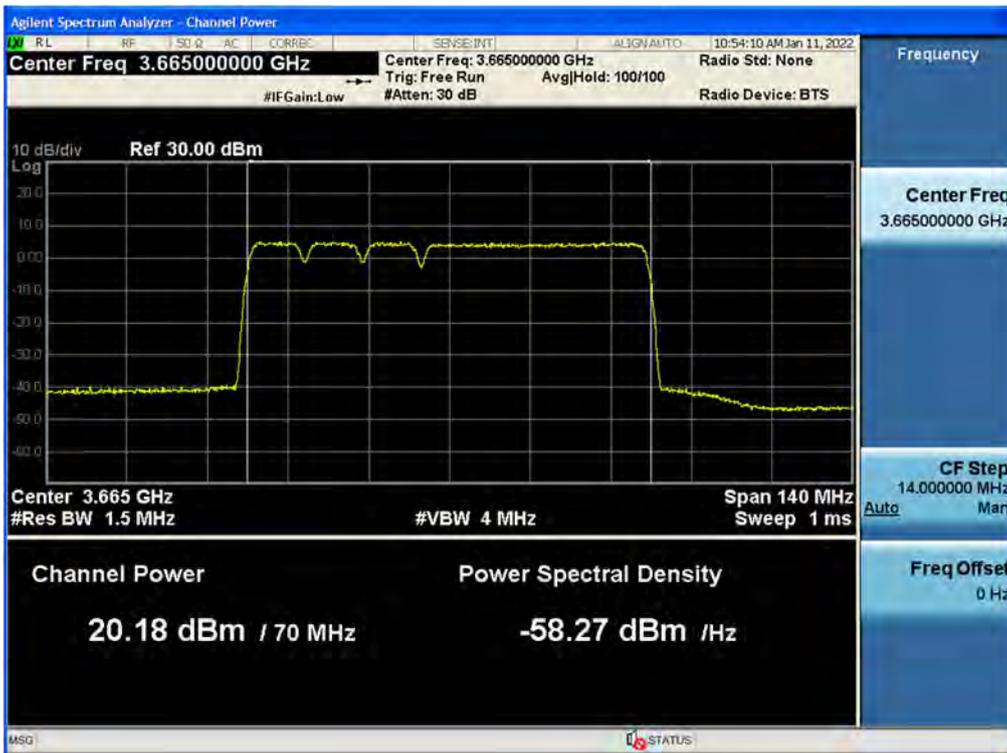
Antenna 1 / CBRS NR[(10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C) + 10 MHz 1C][5C(4C+1C)] / 10 MHz 1C / Non-Contiguous / QPSK / High



Antenna 0 / CBRS NR[10 MHz 1C + (10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 40 MHz 1C)][5C(1C+4C)] / 10 MHz 1C / Non-Contiguous / 64QAM / Low



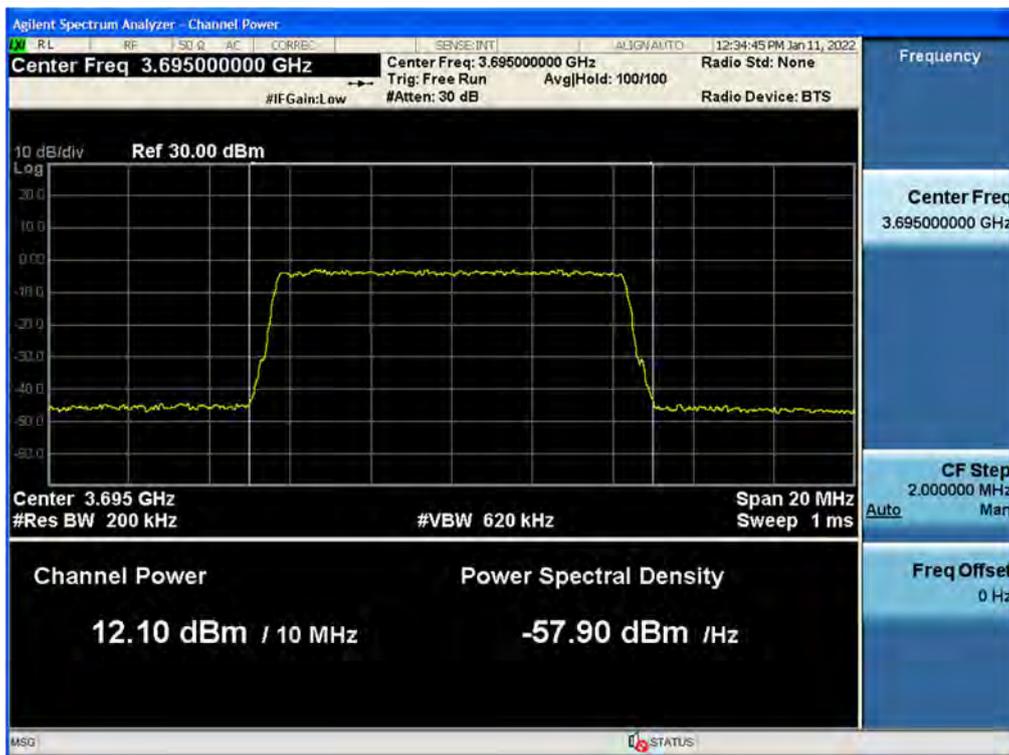
Antenna 0 / CBRS NR[10 MHz 1C + (10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 40 MHz 1C)][5C(1C+4C)] / 10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 40 MHz 1C / Non-Contiguous / 64QAM / High



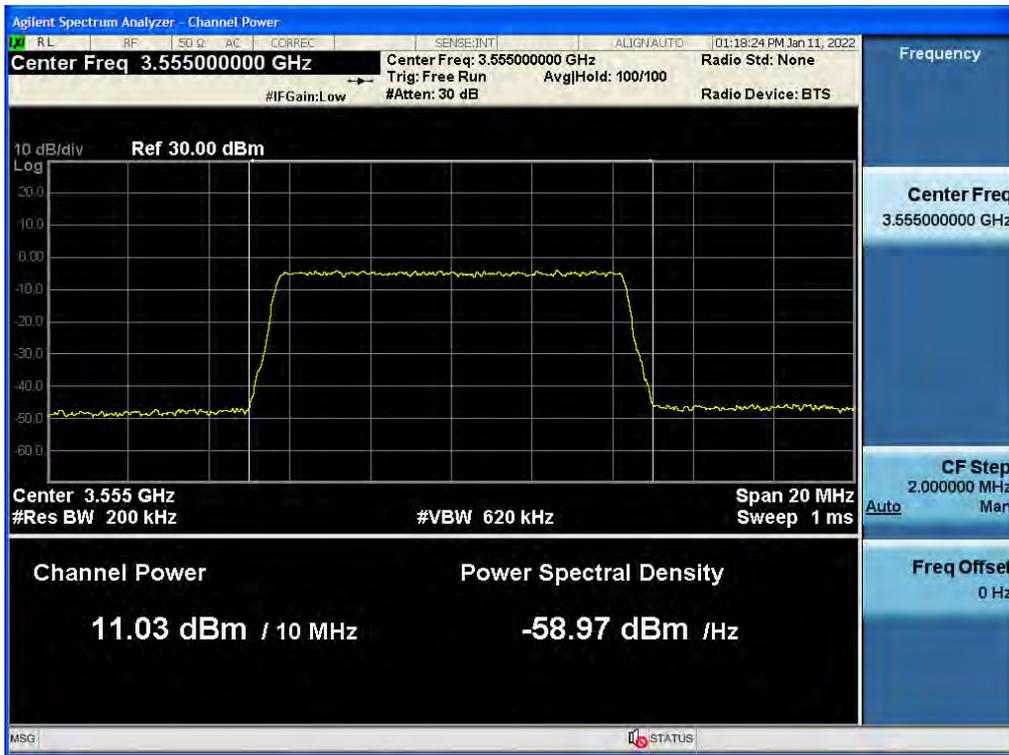
Antenna 1 / CBRS NR[(40 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C) + 10 MHz 1C][5C(4C+1C)] / 40 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C / Non-Contiguous / 256QAM / Low



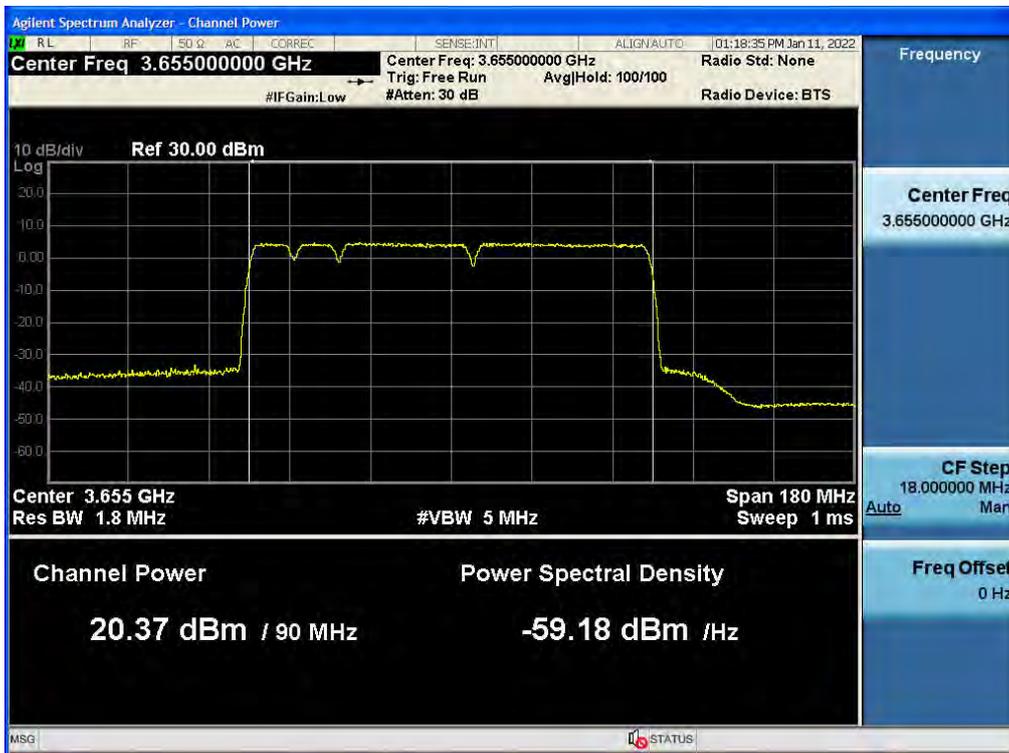
Antenna 1 / CBRS NR[(40 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C) + 10 MHz 1C][5C(4C+1C)] / 10 MHz 1C / Non-Contiguous / 256QAM / High



Antenna 0 / CBRS NR[10 MHz 1C + (10 MHz 1C + 10 MHz 1C + 30 MHz 1C + 40 MHz 1C)][5C(1C+4C)] / 10 MHz 1C / Non-Contiguous / QPSK / Low



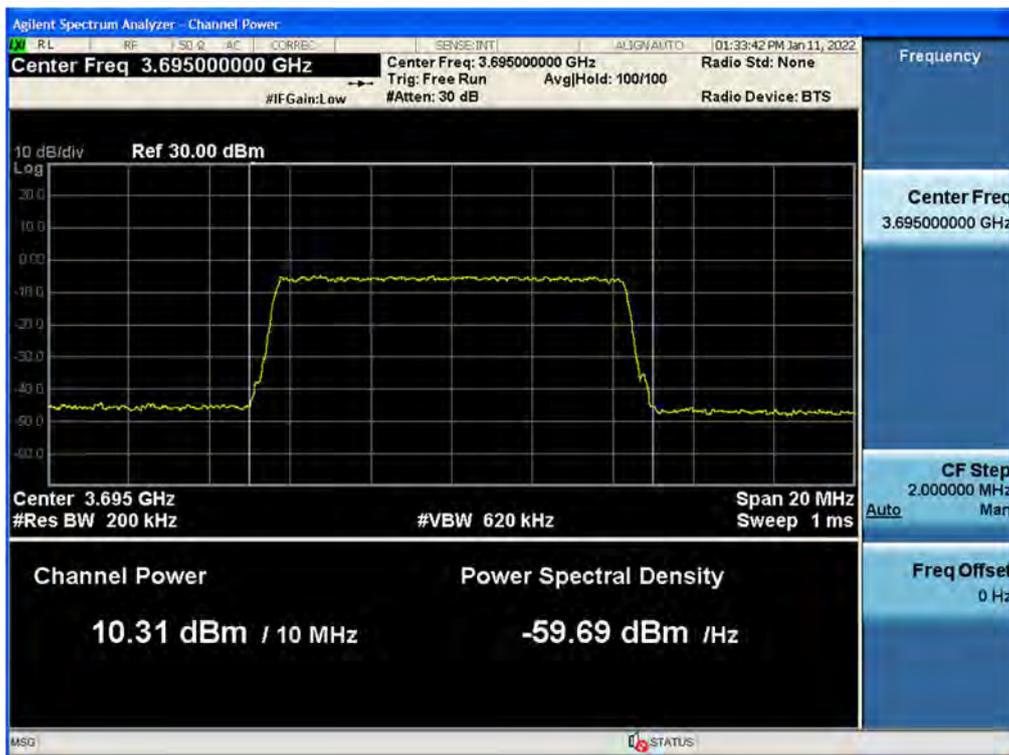
Antenna 0 / CBRS NR[10 MHz 1C + (10 MHz 1C + 10 MHz 1C + 30 MHz 1C + 40 MHz 1C)][5C(1C+4C)] / 10 MHz 1C + 10 MHz 1C + 30 MHz 1C + 40 MHz 1C / Non-Contiguous / QPSK / High



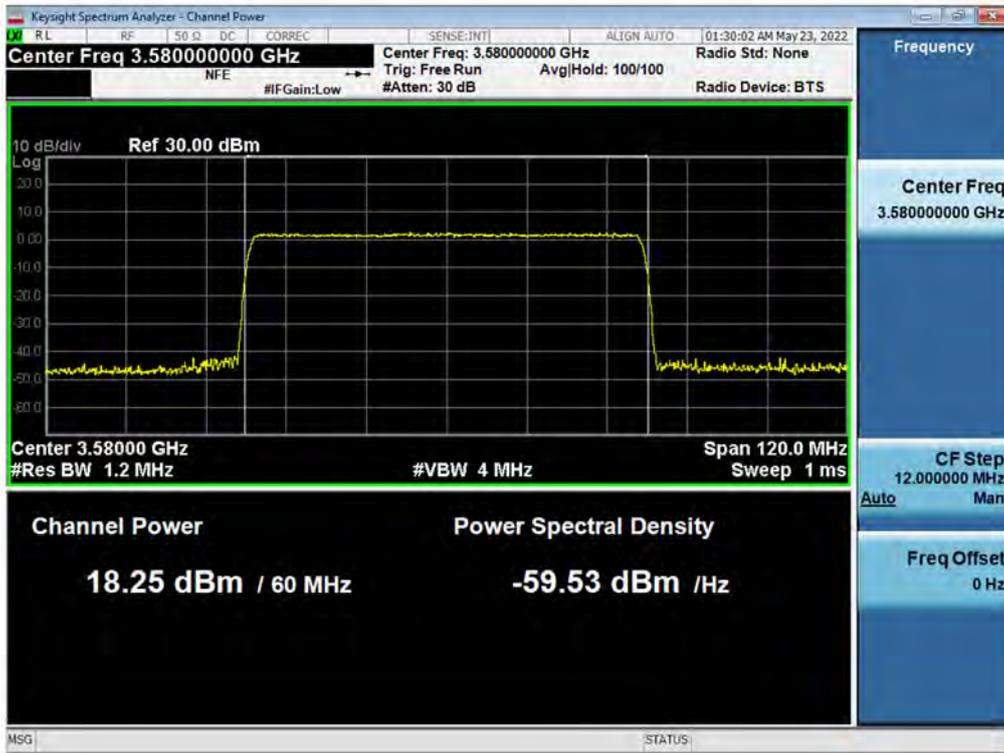
Antenna 1 / CBRS NR[(40 MHz 1C + 30 MHz 1C + 10 MHz 1C + 10 MHz 1C) + 10 MHz 1C][5C(4C+1C)]  
 / 40 MHz 1C + 30 MHz 1C + 10 MHz 1C + 10 MHz 1C / Non-Contiguous / QPSK / Low



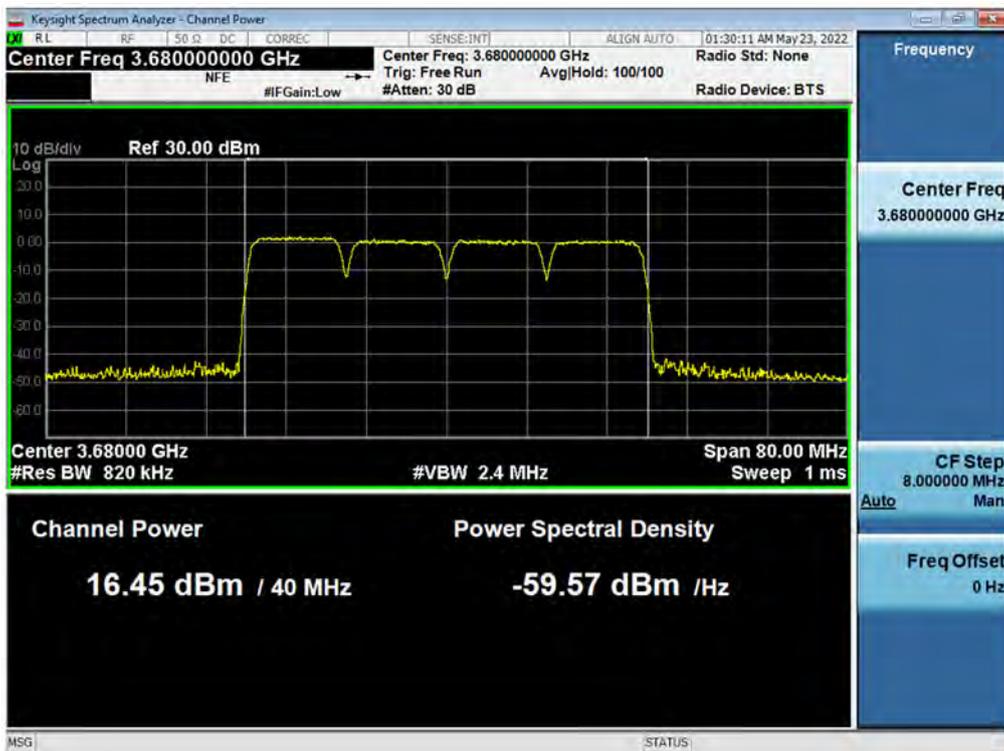
Antenna 1 / CBRS NR[(40 MHz 1C + 30 MHz 1C + 10 MHz 1C + 10 MHz 1C) + 10 MHz 1C][5C(4C+1C)] / 10 MHz 1C  
 / Non-Contiguous / QPSK / High



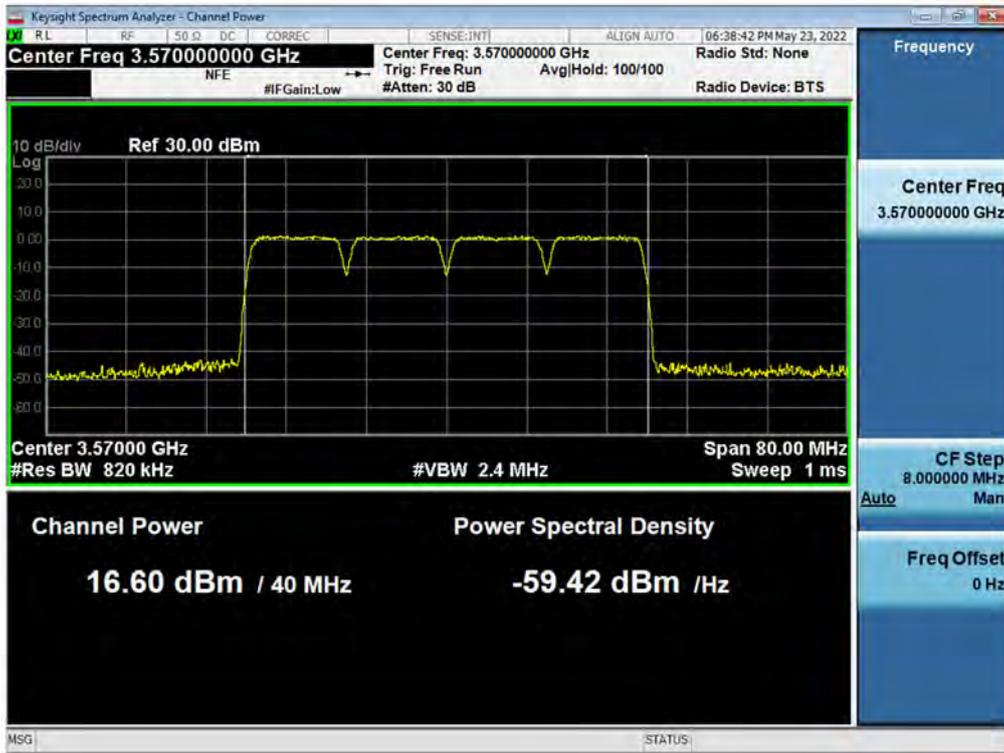
Antenna 1 / CBRS NR[60 MHz 1C + (10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C)][5C(1C+4C)]  
 / 60 MHz 1C / Non-Contiguous / 16QAM / Low



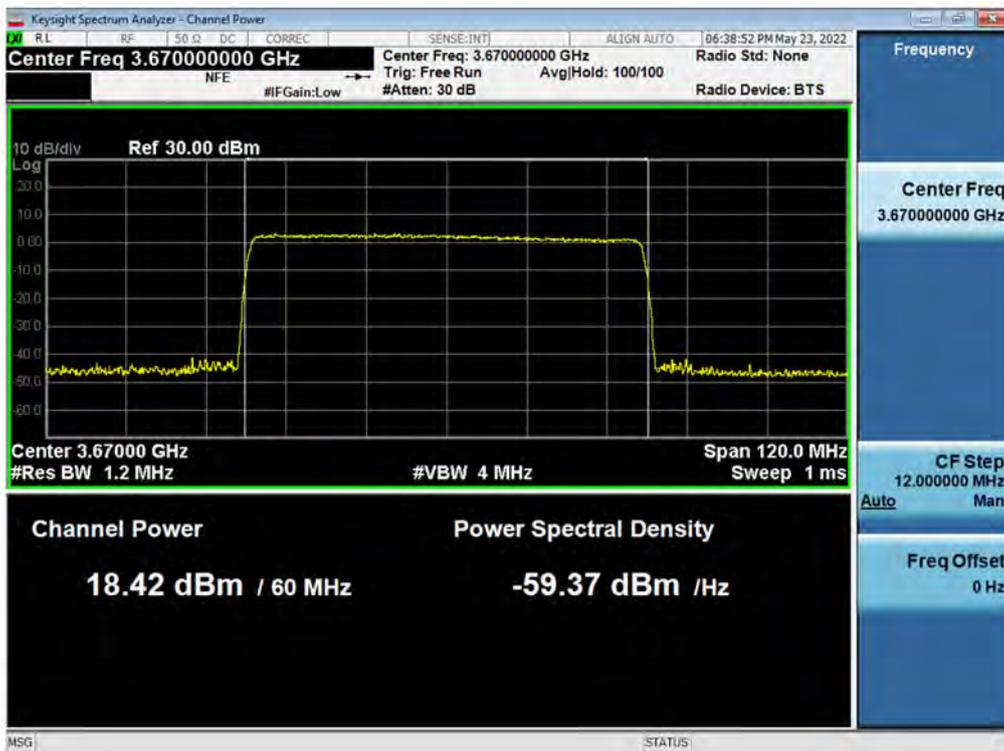
Antenna 1 / CBRS NR[60 MHz 1C + (10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C)][5C(1C+4C)]  
 / 10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C / Non-Contiguous / 16QAM / High



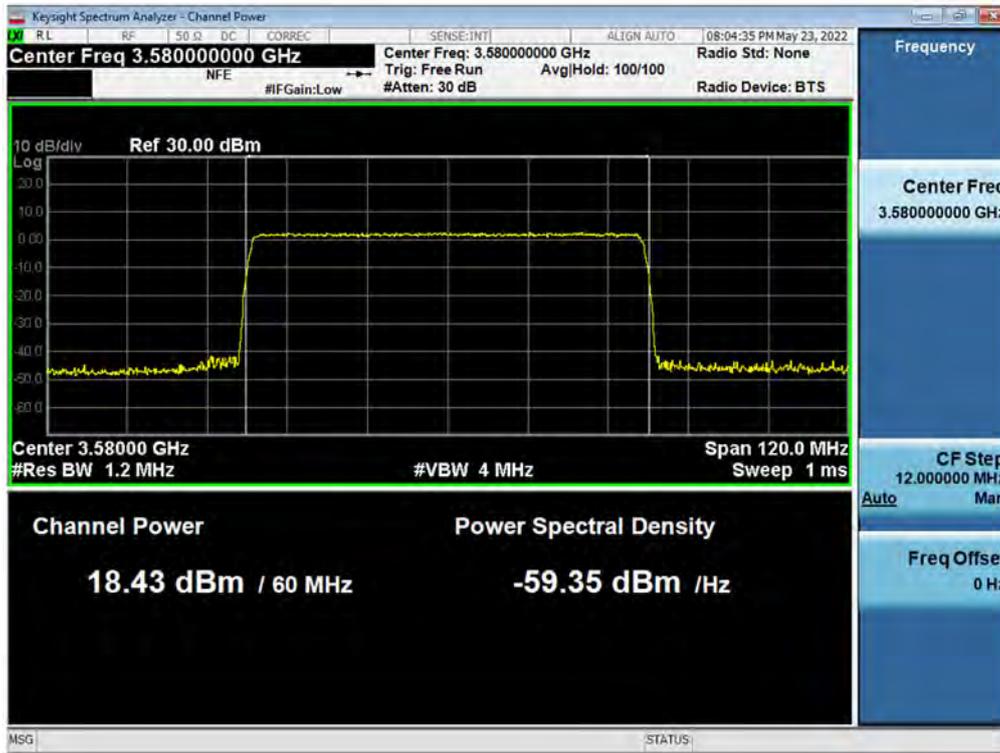
Antenna 0 / CBRS NR[(10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C) + 60 MHz 1C][5C(4C+1C)]  
 / 10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C / Non-Contiguous / 16QAM / Low



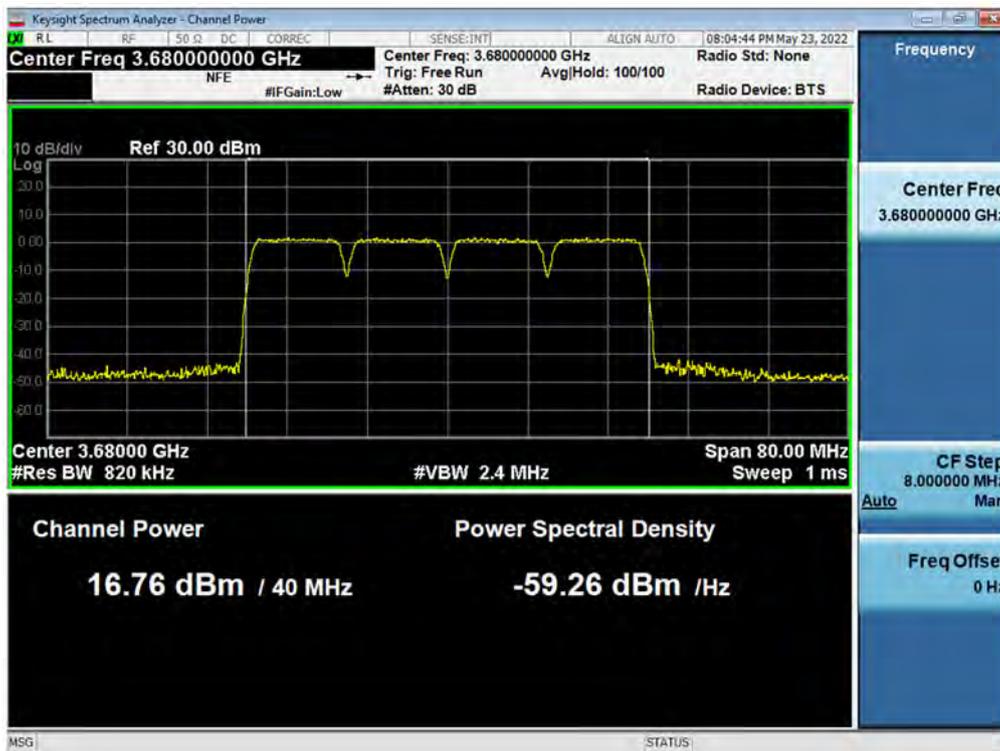
Antenna 0 / CBRS NR[(10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C) + 60 MHz 1C][5C(4C+1C)]  
 / 60 MHz 1C / Non-Contiguous / 16QAM / High



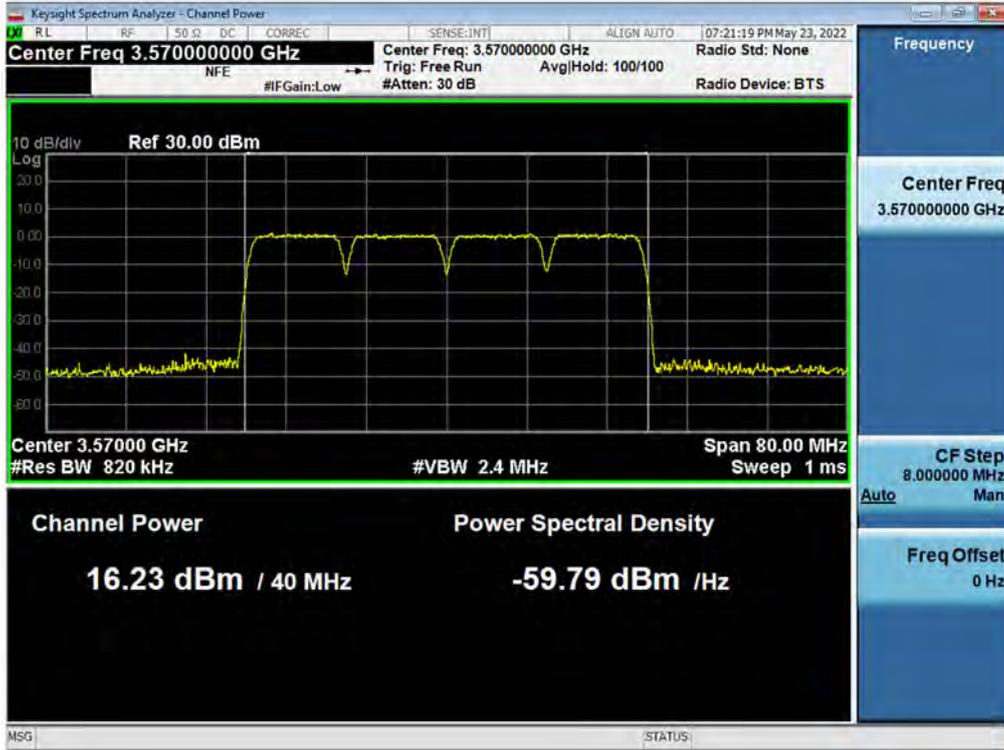
Antenna 1 / CBRS NR 60 MHz 1C + (NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 10 MHz 1C)[5C(1C+4C)]  
/ NR 60 MHz 1C / Non-Contiguous / 256QAM / Low



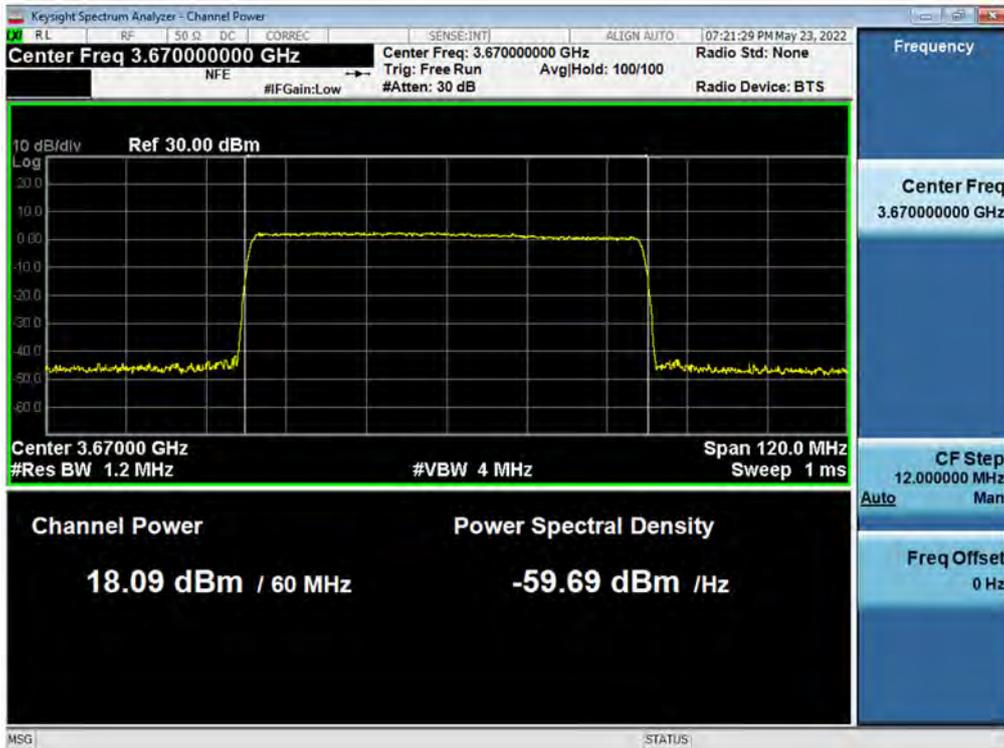
Antenna 1 / CBRS NR 60 MHz 1C + (NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 10 MHz 1C)[5C(1C+4C)]  
/ NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 10 MHz 1C / Non-Contiguous / 256QAM / High



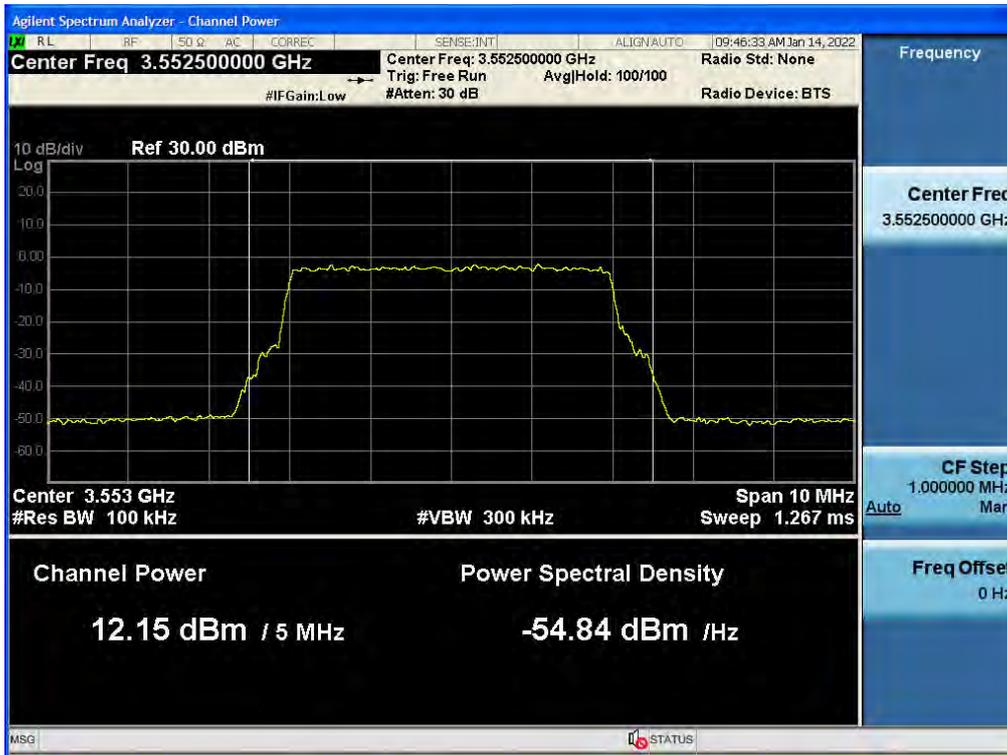
Antenna 0 / CBRS (LTE 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C) + NR 60 MHz 1C [5C(4C+1C)] / LTE 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C / Non-Contiguous / 64QAM / Low



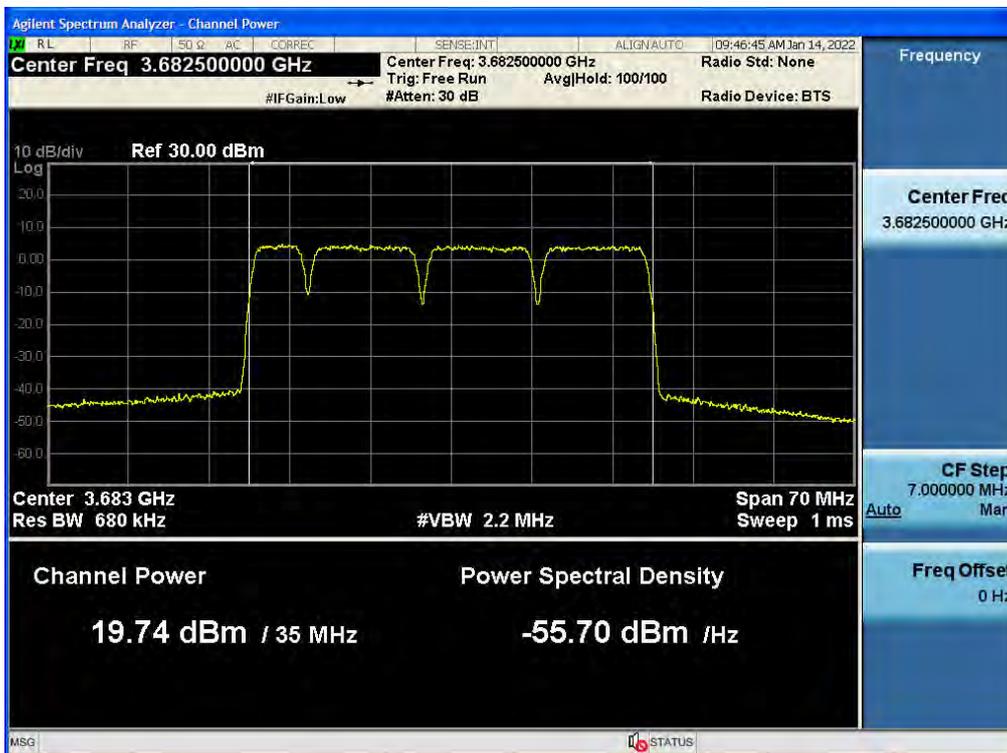
Antenna 0 / CBRS (LTE 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C) + NR 60 MHz 1C [5C(4C+1C)] / NR 60 MHz 1C / Non-Contiguous / 64QAM / High



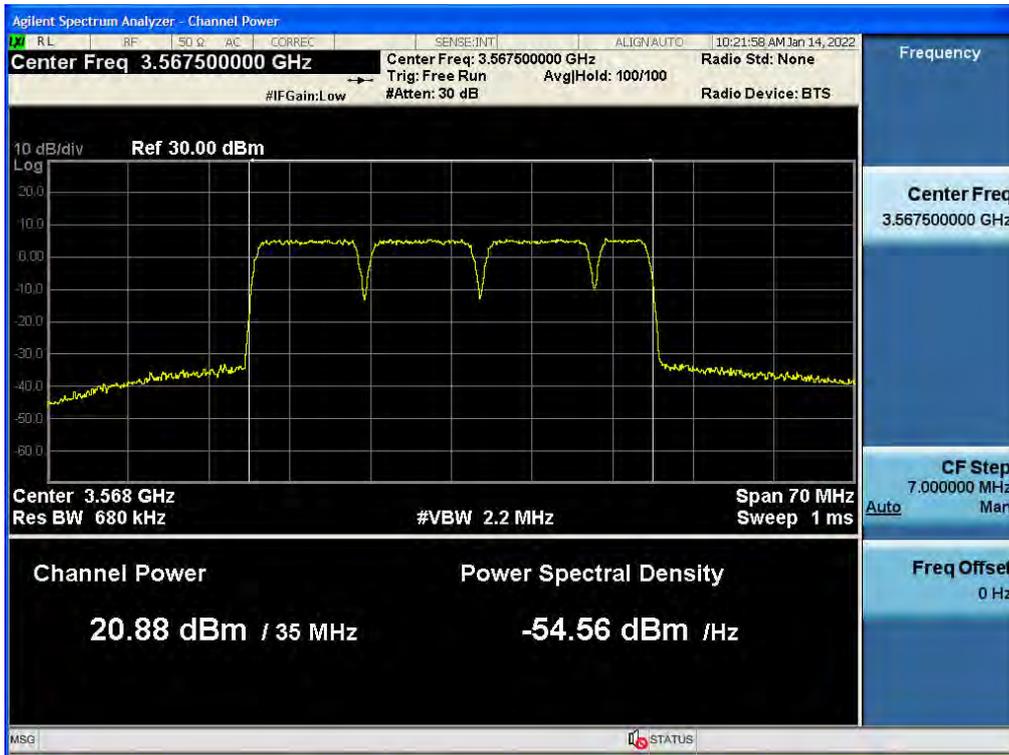
Antenna 1 / CBRs LTE 5 MHz 1C + (LTE 5 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C) [5C(1C+4C)]  
/ LTE 5 MHz 1C / Non-Contiguous / QPSK / Low



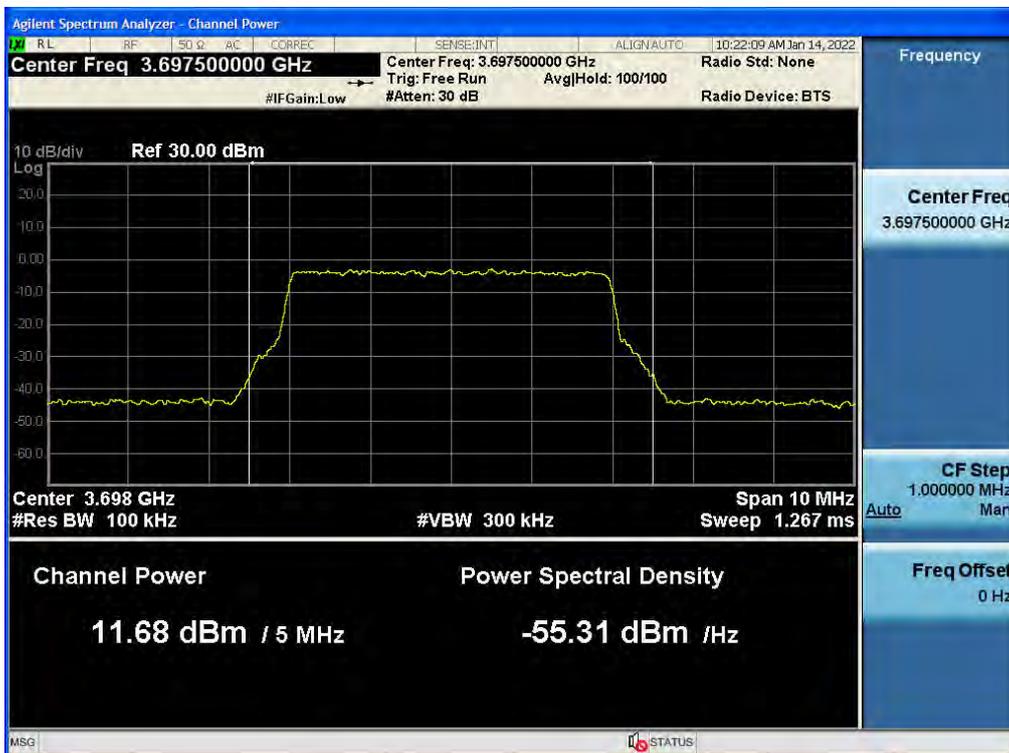
Antenna 1 / CBRs LTE 5 MHz 1C + (LTE 5 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C) [5C(1C+4C)]  
/ LTE 5 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C / Non-Contiguous / QPSK / High



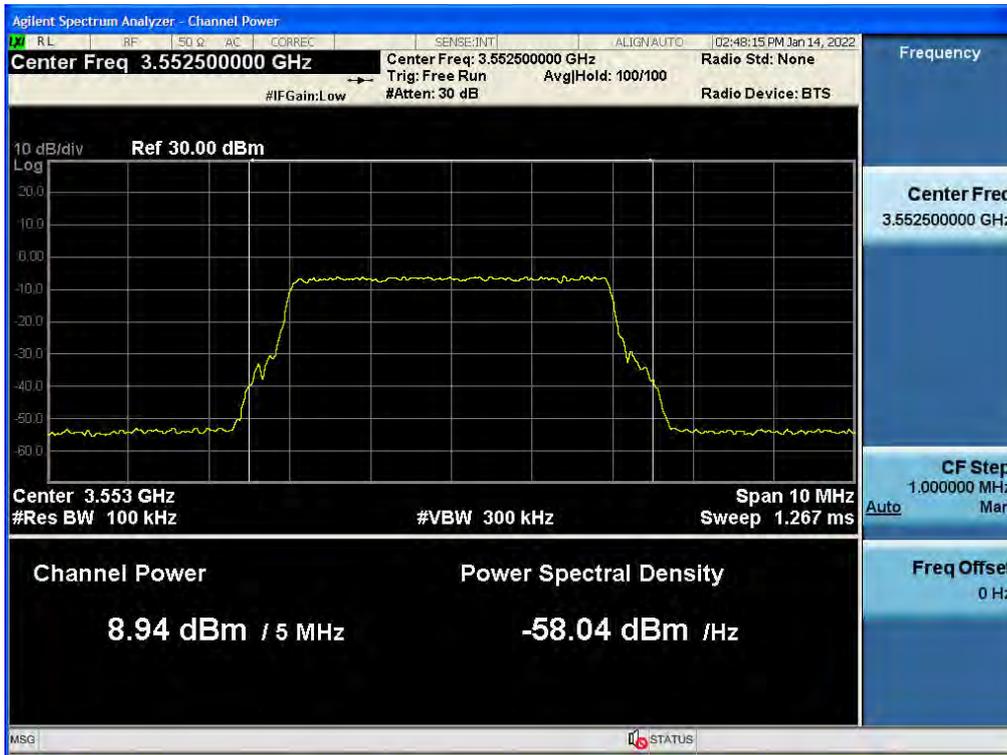
Antenna 0 / CBRS (NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 5 MHz 1C) + LTE 5 MHz 1C [5C(4C+1C)]  
 / NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 5 MHz 1C / Non-Contiguous / 16QAM / Low



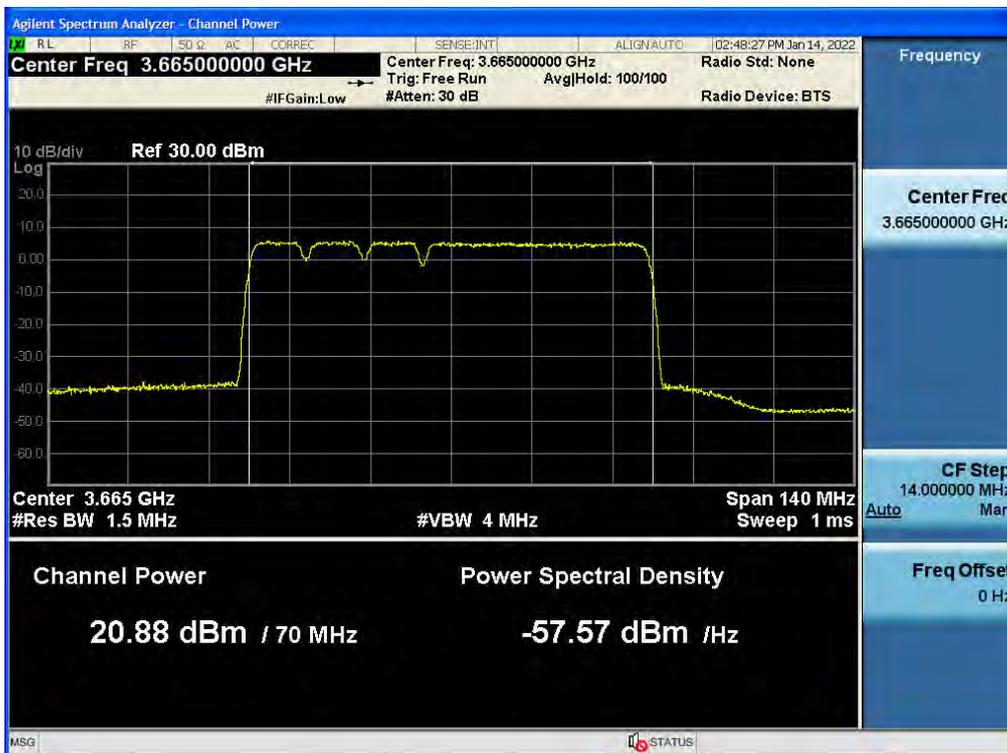
Antenna 0 / CBRS (NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 5 MHz 1C) + LTE 5 MHz 1C [5C(4C+1C)]  
 / LTE 5 MHz 1C / Non-Contiguous / 16QAM / High



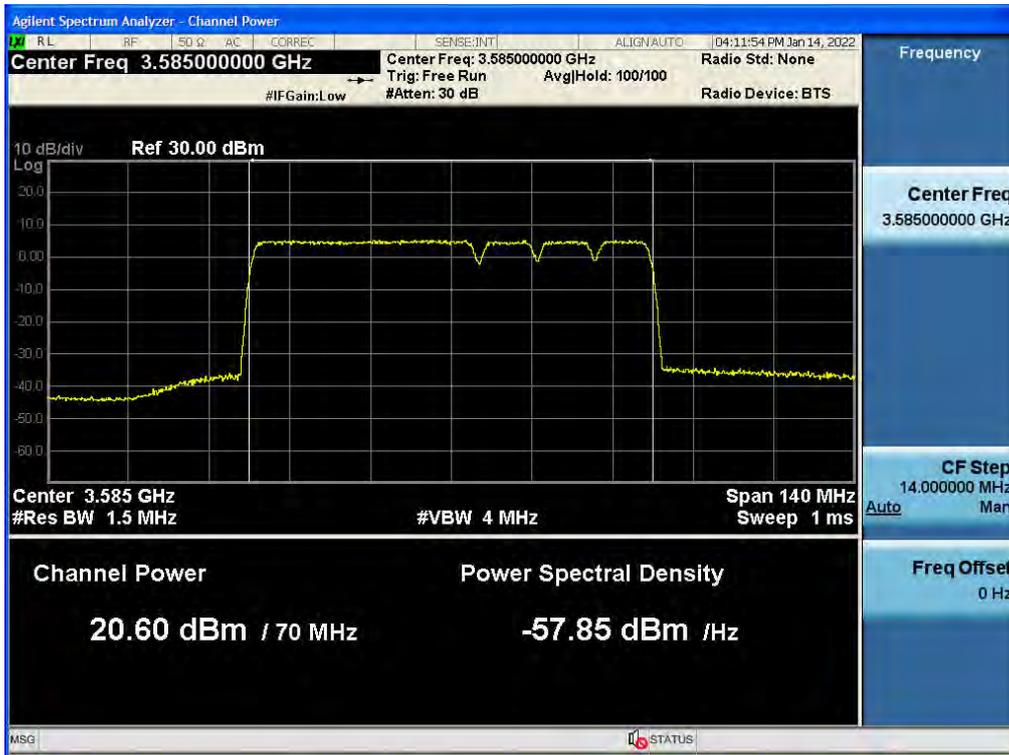
**Antenna 1 / CBRS LTE 5 MHz 1C + (NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 40 MHz 1C) [5C(1C+4C)]  
 / LTE 5 MHz 1C / Non-Contiguous / QPSK / Low**



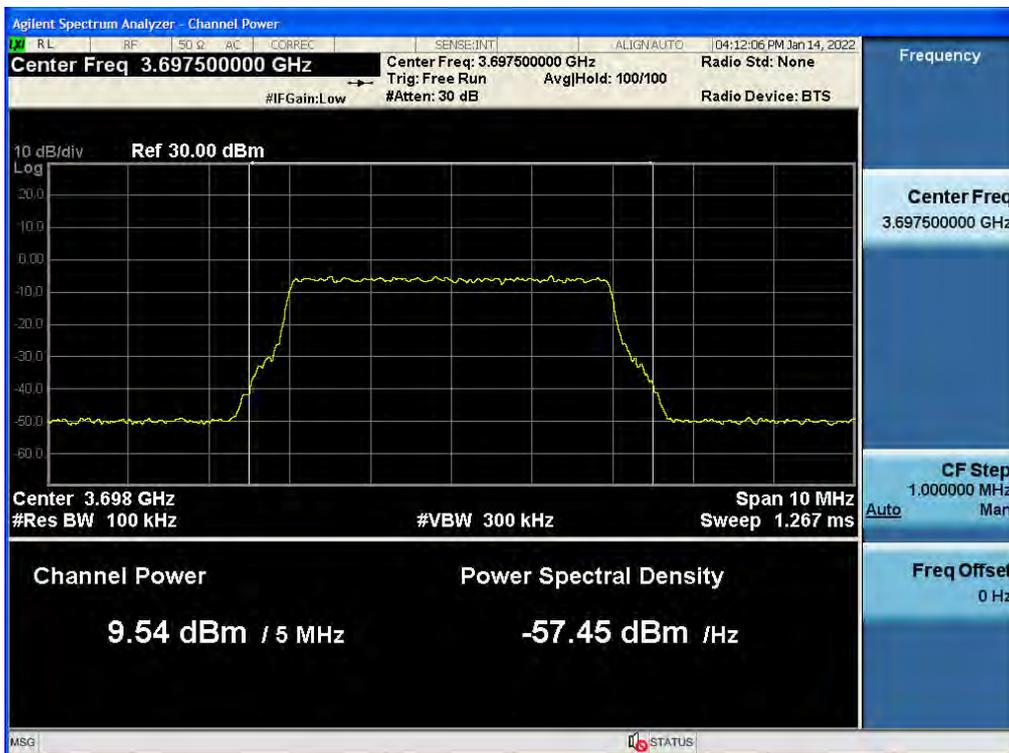
**Antenna 1 / CBRS LTE 5 MHz 1C + (NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 40 MHz 1C) [5C(1C+4C)]  
 / NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 40 MHz 1C / Non-Contiguous / QPSK / High**



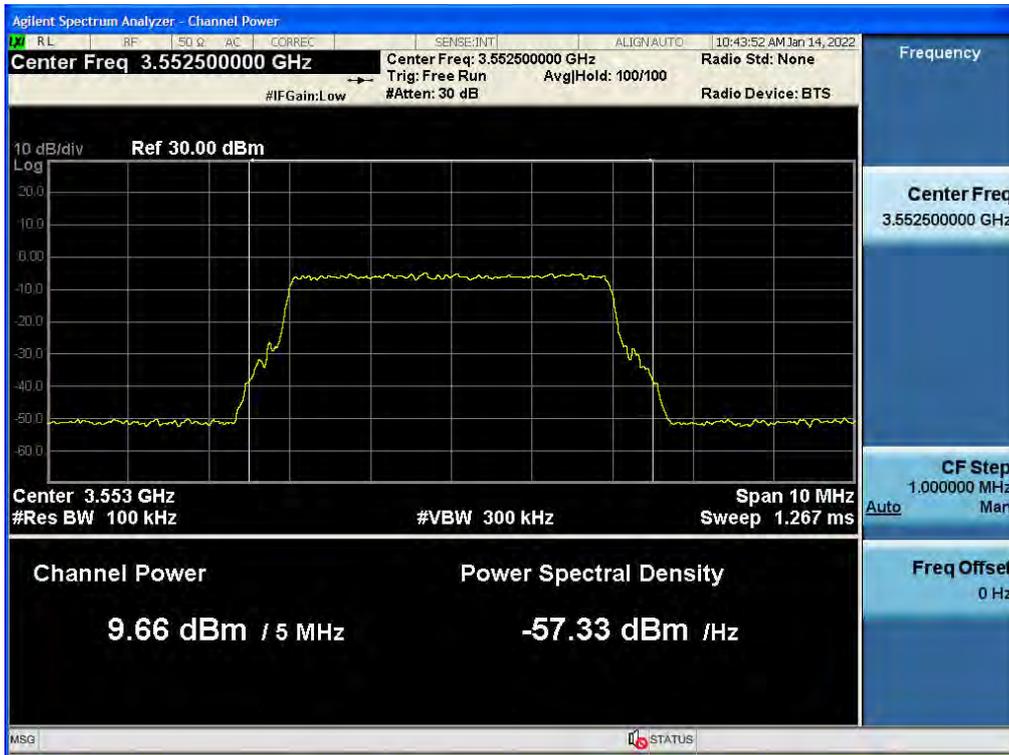
Antenna 0 / CBRS (NR 40 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C) + LTE 5 MHz 1C [5C(4C+1C)]  
 / NR 40 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C / Non-Contiguous / 256QAM / Low



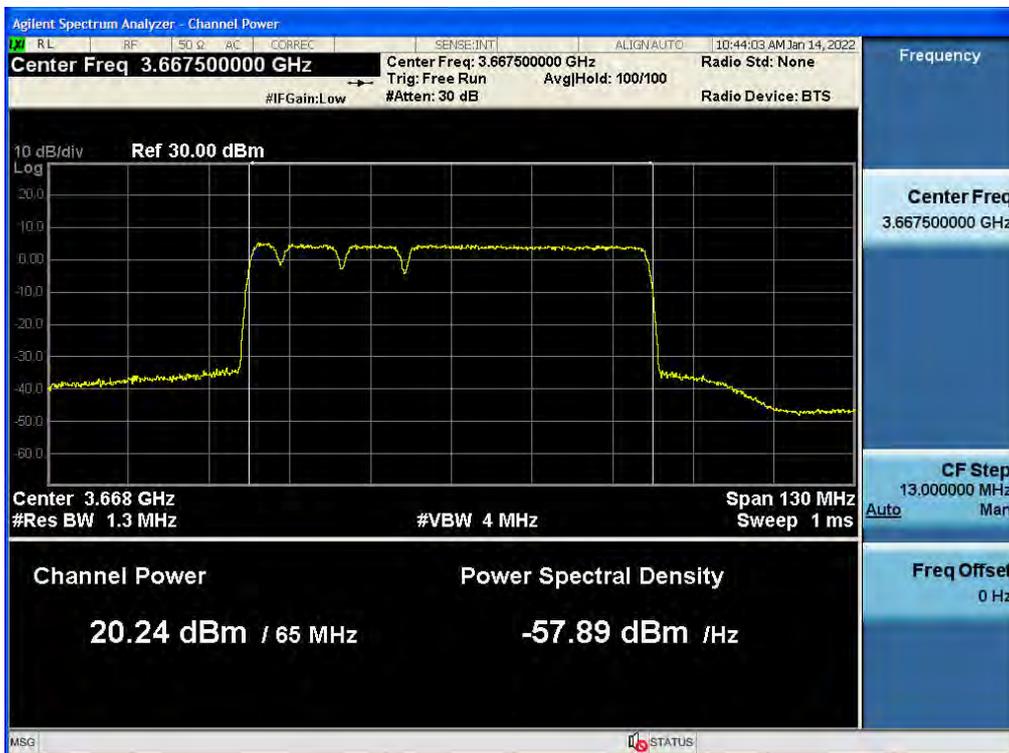
Antenna 0 / CBRS (NR 40 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C) + LTE 5 MHz 1C [5C(4C+1C)]  
 / LTE 5 MHz 1C / Non-Contiguous / 256QAM / High



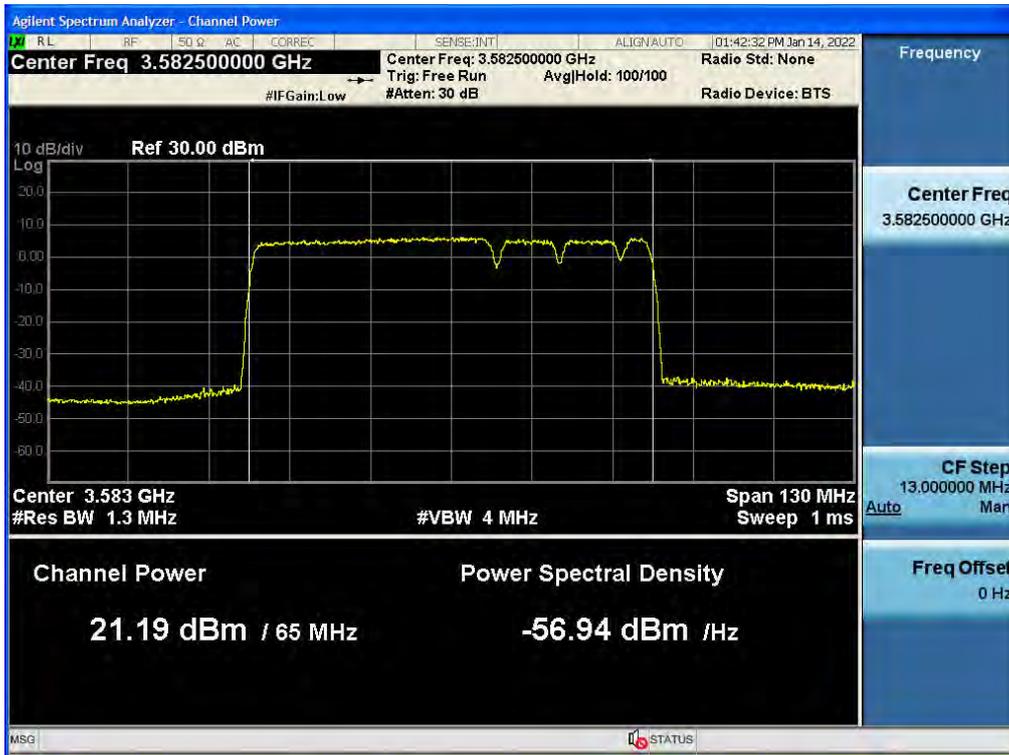
Antenna 0 / CBRs LTE 5 MHz 1C + (LTE 5 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 40 MHz 1C) [5C(1C+4C)]  
/ LTE 5 MHz 1C / Non-Contiguous / 16QAM / Low



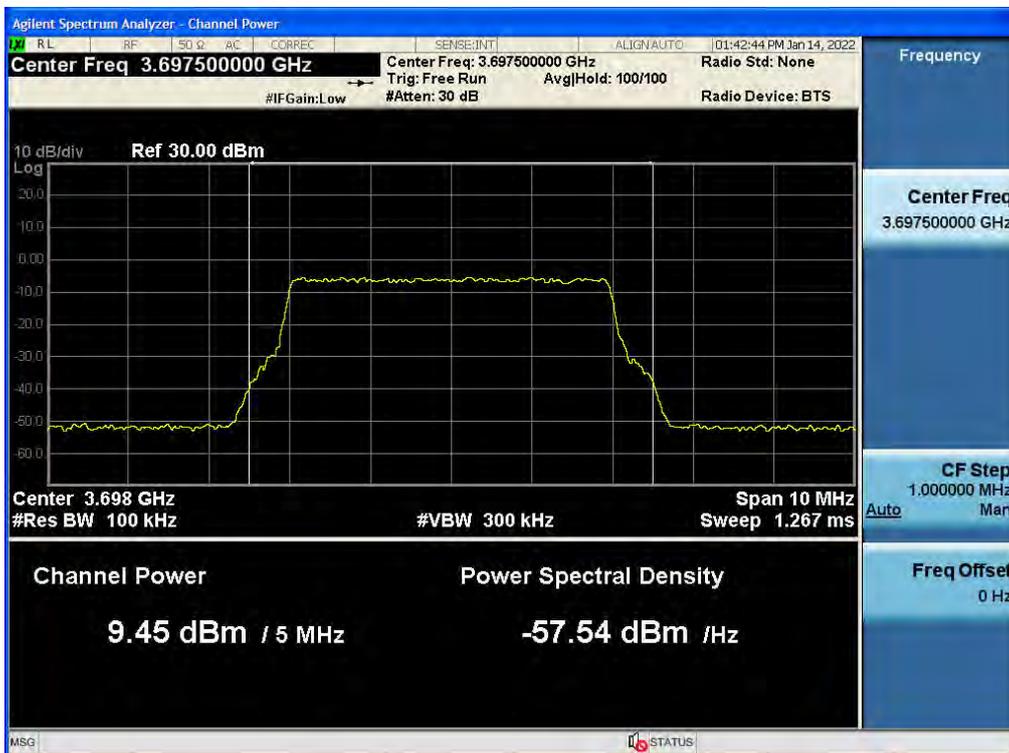
Antenna 0 / CBRs LTE 5 MHz 1C + (LTE 5 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 40 MHz 1C) [5C(1C+4C)]  
/ LTE 5 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 40 MHz 1C / Non-Contiguous / 16QAM / High



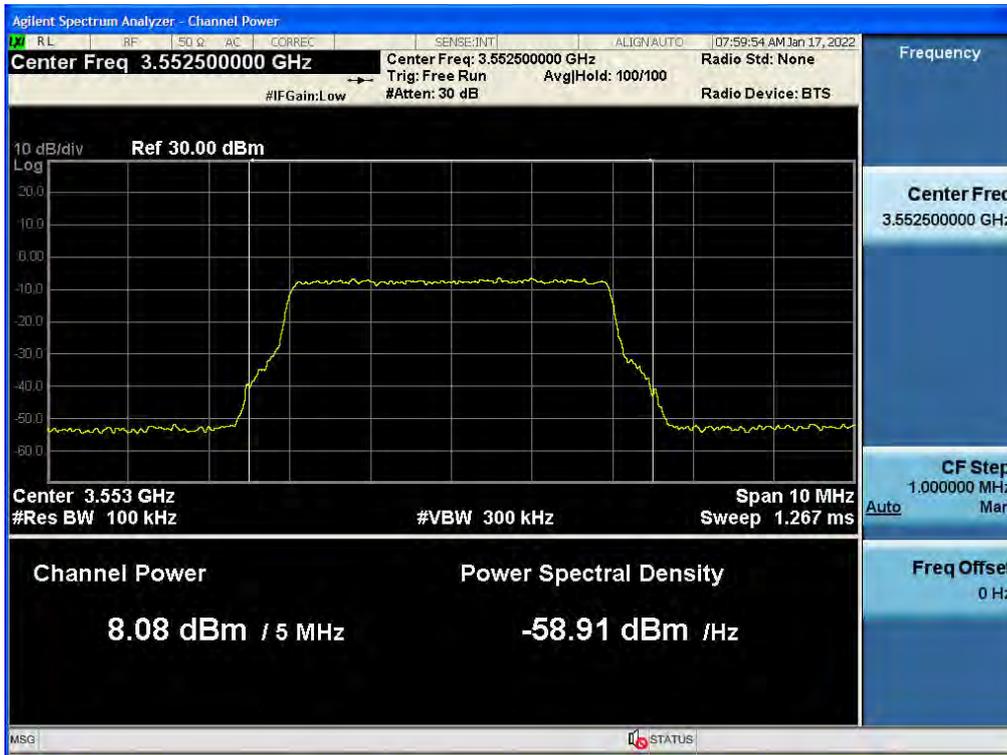
Antenna 1 / CBRS (NR 40 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 5 MHz 1C) + LTE 5 MHz 1C [5C(4C+1C)]  
 / NR 40 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 5 MHz 1C / Non-Contiguous / QPSK / Low



Antenna 1 / CBRS (NR 40 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 5 MHz 1C) + LTE 5 MHz 1C [5C(4C+1C)]  
 / LTE 5 MHz 1C / Non-Contiguous / QPSK / High



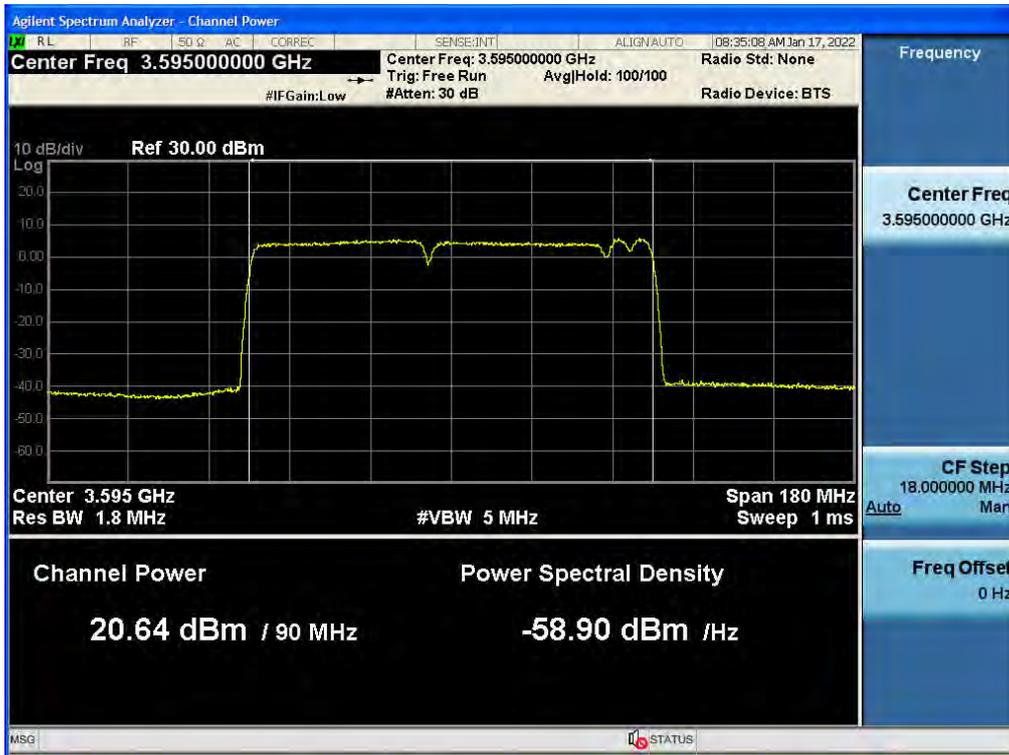
Antenna 0 / CBRS LTE 5 MHz 1C + (LTE 5 MHz 1C + LTE 5 MHz 1C + NR 40 MHz 1C + NR 40 MHz 1C) [5C(1C+4C)]  
 / LTE 5 MHz 1C / Non-Contiguous / QPSK / Low



Antenna 0 / CBRS LTE 5 MHz 1C + (LTE 5 MHz 1C + LTE 5 MHz 1C + NR 40 MHz 1C + NR 40 MHz 1C) [5C(1C+4C)]  
 / LTE 5 MHz 1C + LTE 5 MHz 1C + NR 40 MHz 1C + NR 40 MHz 1C / Non-Contiguous / QPSK / High



Antenna 1 / CBRS (NR 40 MHz 1C + NR 40 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C) + LTE 5 MHz 1C [5C(4C+1C)]  
 / NR 40 MHz 1C + NR 40 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C / Non-Contiguous / QPSK / Low



Antenna 1 / CBRS (NR 40 MHz 1C + NR 40 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C) + LTE 5 MHz 1C [5C(4C+1C)]  
 / LTE 5 MHz 1C / Non-Contiguous / QPSK / High



## Tabular Data of PSD

## CBRS LTE 5 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)	
0	QPSK	Low	3 552.50	7.55	8.50	16.05	20	23.04	30	
		Middle	3 625.00	7.48	8.50	15.98		22.97		
		High	3 697.50	7.47	8.50	15.97		22.96		
	16QAM	Low	3 552.50	7.62	8.50	16.12		23.11		
		Middle	3 625.00	7.50	8.50	16.00		22.99		
		High	3 697.50	7.52	8.50	16.02		23.01		
	64QAM	Low	3 552.50	7.51	8.50	16.01		23.00		
		Middle	3 625.00	7.54	8.50	16.04		23.03		
		High	3 697.50	7.59	8.50	16.09		23.08		
	256QAM	Low	3 552.50	7.57	8.50	16.07		23.06		
		Middle	3 625.00	7.51	8.50	16.01		23.00		
		High	3 697.50	7.52	8.50	16.02		23.01		
	1024QAM	Low	3 552.50	7.57	8.50	16.07		23.06		
		Middle	3 625.00	7.60	8.50	16.10		23.09		
		High	3 697.50	7.41	8.50	15.91		23.00		
	1	QPSK	Low	3 552.50	7.60	8.50		16.10		23.09
			Middle	3 625.00	7.57	8.50		16.07		23.06
			High	3 697.50	7.55	8.50		16.05		23.04
16QAM		Low	3 552.50	7.64	8.50	16.14	23.13			
		Middle	3 625.00	7.52	8.50	16.02	23.01			
		High	3 697.50	7.52	8.50	16.02	23.01			
64QAM		Low	3 552.50	7.53	8.50	16.03	23.02			
		Middle	3 625.00	7.49	8.50	15.99	22.98			
		High	3 697.50	7.50	8.50	16.00	22.99			
256QAM		Low	3 552.50	7.51	8.50	16.01	23.00			
		Middle	3 625.00	7.59	8.50	16.09	23.08			
		High	3 697.50	7.52	8.50	16.02	23.01			
1024QAM		Low	3 552.50	7.53	8.50	16.03	23.02			
		Middle	3 625.00	7.56	8.50	16.06	23.05			
		High	3 697.50	7.54	8.50	16.04	23.03			

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD					Limit
	QPSK	16QAM	64QAM	256QAM	1024QAM	
	(dBm/MHz)					
3 552.50	19.09	19.14	19.03	19.05	19.06	20
3 625.00	19.04	19.02	19.03	19.06	19.09	
3 697.50	19.02	19.03	19.06	19.03	18.99	

Frequency (MHz)	E.I.R.P.					Limit
	QPSK	16QAM	64QAM	256QAM	1024QAM	
	(dBm/10 MHz)					
3 552.50	26.08	26.13	26.02	26.04	26.05	30
3 625.00	26.03	26.01	26.02	26.05	26.08	
3 697.50	26.01	26.02	26.05	26.02	26.03	

## CBRS LTE 10 MHz 1 Carrier

Ant	Mod	Ch	Frequenc y (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz )	Limit (dBm/MHz )	Measured Value (dBm/8MHz)	E.I.R.P. (dBm/10MHz)	Limit (dBm/10MHz)	
0	QPSK	Low	3,555.00	7.41	8.50	15.91	20	16.57	26.04	30	
		Middle	3,625.00	7.71	8.50	16.21		16.50	25.97		
		High	3,695.00	7.42	8.50	15.92		16.65	26.12		
	16QAM	Low	3,555.00	7.43	8.50	15.93		16.47	25.94		
		Middle	3,625.00	7.43	8.50	15.93		16.51	25.98		
		High	3,695.00	7.51	8.50	16.01		16.49	25.95		
	64QAM	Low	3,555.00	7.37	8.50	15.87		16.54	26.01		
		Middle	3,625.00	7.57	8.50	16.07		16.49	25.96		
		High	3,695.00	7.77	8.50	16.27		16.62	26.09		
	256QAM	Low	3,555.00	7.45	8.50	15.95		16.63	26.10		
		Middle	3,625.00	7.32	8.50	15.82		16.76	26.23		
		High	3,695.00	7.35	8.50	15.85		16.57	26.04		
	1024QAM	Low	3,555.00	7.58	8.50	16.08		16.54	26.01		
		Middle	3,625.00	7.69	8.50	16.19		16.59	26.06		
		High	3,695.00	7.33	8.50	15.83		16.58	26.05		
	1	QPSK	Low	3,555.00	7.47	8.50		15.97	16.65		26.12
			Middle	3,625.00	7.66	8.50		16.16	16.59		26.06
			High	3,695.00	7.45	8.50		15.95	16.63		26.10
16QAM		Low	3,555.00	7.67	8.50	16.17	16.61	26.08			
		Middle	3,625.00	7.74	8.50	16.24	16.55	26.02			
		High	3,695.00	7.79	8.50	16.29	16.85	26.31			
64QAM		Low	3,555.00	7.59	8.50	16.09	16.78	26.24			
		Middle	3,625.00	7.58	8.50	16.08	16.70	26.26			
		High	3,695.00	7.75	8.50	16.25	16.59	26.06			
256QAM		Low	3,555.00	7.59	8.50	16.09	16.56	26.03			
		Middle	3,625.00	7.40	8.50	15.90	16.32	25.79			
		High	3,695.00	7.49	8.50	15.99	16.65	26.12			
1024QAM		Low	3,555.00	7.60	8.50	16.10	16.82	26.28			
		Middle	3,625.00	7.66	8.50	16.16	16.62	26.09			
		High	3,695.00	7.44	8.50	15.94	16.58	26.05			

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD					Limit
	QPSK	16QAM	64QAM	256QAM	1024QAM	
	(dBm/MHz)					
3 555.00	18.95	19.06	19.00	19.03	19.10	20
3 625.00	19.20	19.10	19.08	18.87	19.19	
3 695.00	18.94	19.16	19.27	18.93	18.90	

Frequency (MHz)	E.I.R.P.					Limit
	QPSK	16QAM	64QAM	256QAM	1024QAM	
	(dBm/10 MHz)					
3 555.00	29.09	29.02	29.14	29.08	29.10	30
3 625.00	29.02	29.01	29.12	29.03	29.09	
3 695.00	29.12	29.15	29.08	29.09	29.06	

**CBRS LTE 15 MHz 1 Carrier**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)			
0	QPSK	Low	3 557.50	7.71	8.50	16.21	20	26.21	30			
		Middle	3 625.00	7.50	8.50	16.00		26.00				
		High	3 692.50	7.48	8.50	15.98		25.98				
	16QAM	Low	3 557.50	7.75	8.50	16.25		26.25				
		Middle	3 625.00	7.52	8.50	16.02		26.02				
		High	3 692.50	7.52	8.50	16.02		26.02				
	64QAM	Low	3 557.50	7.52	8.50	16.02		26.02				
		Middle	3 625.00	7.53	8.50	16.03		26.03				
		High	3 692.50	7.51	8.50	16.01		26.01				
	256QAM	Low	3 557.50	7.57	8.50	16.07		26.07				
		Middle	3 625.00	7.53	8.50	16.03		26.03				
		High	3 692.50	7.50	8.50	16.00		26.00				
	1024QAM	Low	3 557.50	7.53	8.50	16.03		26.03				
		Middle	3 625.00	7.58	8.50	16.08		26.08				
		High	3 692.50	7.52	8.50	16.02		26.02				
	1	QPSK	Low	3 557.50	7.40	8.50		15.90		20	25.90	30
			Middle	3 625.00	7.52	8.50		16.02			26.02	
			High	3 692.50	7.52	8.50		16.02			26.02	
16QAM		Low	3 557.50	7.62	8.50	16.12	26.12					
		Middle	3 625.00	7.49	8.50	15.99	25.99					
		High	3 692.50	7.51	8.50	16.01	26.01					
64QAM		Low	3 557.50	7.59	8.50	16.09	26.09					
		Middle	3 625.00	7.47	8.50	15.97	25.97					
		High	3 692.50	7.49	8.50	15.99	25.99					
256QAM		Low	3 557.50	7.48	8.50	15.98	25.98					
		Middle	3 625.00	7.49	8.50	15.99	25.99					
		High	3 692.50	7.52	8.50	16.02	26.02					
1024QAM		Low	3 557.50	7.50	8.50	16.00	26.00					
		Middle	3 625.00	7.49	8.50	15.99	25.99					
		High	3 692.50	7.50	8.50	16.00	26.00					

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD					Limit
	QPSK	16QAM	64QAM	256QAM	1024QAM	
	(dBm/MHz)					
3 557.50	19.07	19.20	19.07	19.04	19.03	20
3 625.00	19.02	19.02	19.01	19.02	19.05	
3 692.50	19.01	19.03	19.01	19.02	19.02	

Frequency (MHz)	E.I.R.P.					Limit
	QPSK	16QAM	64QAM	256QAM	1024QAM	
	(dBm/10 MHz)					
3 557.50	29.07	29.20	29.07	29.04	29.02	30
3 625.00	29.02	29.02	29.01	29.02	29.05	
3 692.50	29.01	29.03	29.01	29.02	29.02	

## CBRS LTE 20 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	Low	3 560.00	7.99	8.50	16.49	20	26.49	30
		Middle	3 625.00	7.59	8.50	16.09		26.09	
		High	3 690.00	7.82	8.50	16.32		26.32	
	16QAM	Low	3 560.00	7.86	8.50	16.36		26.36	
		Middle	3 625.00	7.50	8.50	16.00		26.00	
		High	3 690.00	7.59	8.50	16.09		26.09	
	64QAM	Low	3 560.00	7.50	8.50	16.00		26.00	
		Middle	3 625.00	7.74	8.50	16.24		26.24	
		High	3 690.00	7.29	8.50	15.79		25.79	
	256QAM	Low	3 560.00	7.55	8.50	16.05		26.05	
		Middle	3 625.00	7.52	8.50	16.02		26.02	
		High	3 690.00	7.40	8.50	15.90		25.90	
	1024QAM	Low	3 560.00	7.39	8.50	15.89		25.89	
		Middle	3 625.00	7.34	8.50	15.84		25.84	
		High	3 690.00	7.34	8.50	15.84		25.84	
1	QPSK	Low	3 560.00	7.58	8.50	16.08	20	26.08	30
		Middle	3 625.00	7.60	8.50	16.10		26.10	
		High	3 690.00	7.36	8.50	15.86		25.86	
	16QAM	Low	3 560.00	7.14	8.50	15.64		25.64	
		Middle	3 625.00	7.53	8.50	16.03		26.03	
		High	3 690.00	6.95	8.50	15.45		25.45	
	64QAM	Low	3 560.00	6.98	8.50	15.48		25.48	
		Middle	3 625.00	7.23	8.50	15.73		25.73	
		High	3 690.00	7.10	8.50	15.60		25.60	
	256QAM	Low	3 560.00	7.05	8.50	15.55		25.55	
		Middle	3 625.00	6.73	8.50	15.23		25.23	
		High	3 690.00	7.12	8.50	15.62		25.62	
	1024QAM	Low	3 560.00	7.07	8.50	15.57		25.57	
		Middle	3 625.00	7.13	8.50	15.63		25.63	
		High	3 690.00	7.11	8.50	15.61		25.61	

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD					Limit
	QPSK	16QAM	64QAM	256QAM	1024QAM	
	(dBm/MHz)					
3 560.00	19.30	19.03	18.76	18.82	18.74	20
3 625.00	19.11	19.03	19.00	18.65	18.75	
3 690.00	19.11	18.79	18.71	18.77	18.74	

Frequency (MHz)	E.I.R.P.					Limit
	QPSK	16QAM	64QAM	256QAM	1024QAM	
	(dBm/10 MHz)					
3 560.00	29.30	29.03	29.00	29.02	29.00	30
3 625.00	29.11	29.03	29.02	29.01	29.01	
3 690.00	29.11	29.02	29.00	29.00	29.01	

## CBRS NR 10 MHz 1 Carrier

Ant	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	Measured Value (dBm/8MHz)	E.I.R.P. (dBm/10MHz)	Limit (dBm/10MHz)
0	QPSK	Low	3 555.00	7.56	8.50	16.06	20	16.69	26.15	30
		Middle	3 625.00	7.44	8.50	15.94		16.47	25.94	
		High	3 695.00	7.46	8.50	15.96		16.58	26.05	
	16QAM	Low	3 555.00	7.46	8.50	15.96		16.55	26.02	
		Middle	3 625.00	7.29	8.50	15.79		16.71	26.18	
		High	3 695.00	7.20	8.50	15.70		16.80	26.27	
	64QAM	Low	3 555.00	7.56	8.50	16.06		16.49	25.95	
		Middle	3 625.00	7.23	8.50	15.73		16.49	25.96	
		High	3 695.00	7.32	8.50	15.82		16.36	25.83	
	256QAM	Low	3 555.00	7.37	8.50	15.87		16.61	26.08	
		Middle	3 625.00	7.65	8.50	16.15		16.61	26.08	
		High	3 695.00	7.48	8.50	15.98		16.51	25.98	
1	QPSK	Low	3 555.00	7.69	8.50	16.19	16.83	26.29		
		Middle	3 625.00	7.68	8.50	16.18	16.56	26.03		
		High	3 695.00	7.42	8.50	15.92	16.81	26.28		
	16QAM	Low	3 555.00	7.34	8.50	15.84	16.59	26.06		
		Middle	3 625.00	7.19	8.50	15.69	16.44	25.91		
		High	3 695.00	7.59	8.50	16.09	16.63	26.10		
	64QAM	Low	3 555.00	7.31	8.50	15.81	16.68	26.15		
		Middle	3 625.00	7.32	8.50	15.82	16.62	26.09		
		High	3 695.00	7.19	8.50	15.69	16.83	26.30		
256QAM	Low	3 555.00	7.30	8.50	15.80	16.63	26.10			
	Middle	3 625.00	7.60	8.50	16.10	16.56	26.03			
	High	3 695.00	7.36	8.50	15.86	16.55	26.02			

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 555.00	19.14	18.91	18.95	18.84	20
3 625.00	19.07	18.75	18.79	19.14	
3 695.00	18.95	18.91	18.76	18.93	

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 555.00	29.24	29.05	29.07	29.10	30
3 625.00	29.00	29.06	29.04	29.06	
3 695.00	29.18	29.20	29.08	29.01	

## CBRS NR 20 MHz 1 Carrier

Ant	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	Measured Value (dBm/8MHz)	E.I.R.P. (dBm/10MHz)	Limit (dBm/10MHz)
0	QPSK	Low	3 560.00	7.65	8.50	16.15	20	17.13	26.60	30
		Middle	3 625.00	7.79	8.50	16.29		17.00	26.47	
		High	3 690.00	7.29	8.50	15.79		17.07	26.54	
	16QAM	Low	3 560.00	7.71	8.50	16.21		17.47	26.94	
		Middle	3 625.00	7.49	8.50	15.99		17.37	26.84	
		High	3 690.00	7.79	8.50	16.29		17.45	26.92	
	64QAM	Low	3 560.00	7.44	8.50	15.94		16.95	26.42	
		Middle	3 625.00	7.35	8.50	15.85		16.45	25.92	
		High	3 690.00	7.47	8.50	15.97		17.26	26.73	
	256QAM	Low	3 560.00	7.61	8.50	16.11		16.64	26.11	
		Middle	3 625.00	7.76	8.50	16.26		16.71	26.18	
		High	3 690.00	7.51	8.50	16.01		16.84	26.31	
1	QPSK	Low	3 560.00	7.52	8.50	16.02	17.40	26.87		
		Middle	3 625.00	7.68	8.50	16.18	17.42	26.89		
		High	3 690.00	7.49	8.50	15.99	17.39	26.86		
	16QAM	Low	3 560.00	7.64	8.50	16.14	17.44	26.91		
		Middle	3 625.00	7.36	8.50	15.86	17.18	26.65		
		High	3 690.00	7.48	8.50	15.98	17.07	26.54		
	64QAM	Low	3 560.00	7.59	8.50	16.09	16.58	26.05		
		Middle	3 625.00	7.67	8.50	16.17	16.70	26.17		
		High	3 690.00	7.63	8.50	16.13	16.32	25.79		
256QAM	Low	3 560.00	7.50	8.50	16.00	16.50	25.97			
	Middle	3 625.00	7.39	8.50	15.89	16.72	26.19			
	High	3 690.00	7.47	8.50	15.97	16.35	25.82			

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 560.00	19.10	19.19	19.02	19.06	20
3 625.00	19.25	18.93	19.02	19.09	
3 690.00	18.90	19.15	19.06	19.00	

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 560.00	29.75	29.93	29.25	29.05	30
3 625.00	29.69	29.76	29.06	29.19	
3 690.00	29.71	29.74	29.29	29.08	

## CBRS NR 30 MHz 1 Carrier

Ant	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	Measured Value (dBm/8MHz)	E.I.R.P. (dBm/10MHz)	Limit (dBm/10MHz)
0	QPSK	Low	3 565.00	7.18	8.50	15.68	20	16.64	26.11	30
		Middle	3 625.00	7.46	8.50	15.96		16.60	26.07	
		High	3 685.00	7.26	8.50	15.76		16.57	26.04	
	16QAM	Low	3 565.00	7.36	8.50	15.86		16.68	26.15	
		Middle	3 625.00	7.47	8.50	15.97		16.79	26.26	
		High	3 685.00	7.19	8.50	15.69		16.62	26.09	
	64QAM	Low	3 565.00	7.25	8.50	15.75		16.76	26.23	
		Middle	3 625.00	7.52	8.50	16.02		16.59	26.06	
		High	3 685.00	7.53	8.50	16.03		16.62	26.09	
	256QAM	Low	3 565.00	7.58	8.50	16.08		16.69	26.16	
		Middle	3 625.00	7.58	8.50	16.08		16.59	26.06	
		High	3 685.00	7.29	8.50	15.79		16.53	26.00	
1	QPSK	Low	3 565.00	7.56	8.50	16.06	16.60	26.07		
		Middle	3 625.00	7.36	8.50	15.86	16.57	26.04		
		High	3 685.00	7.30	8.50	15.80	16.56	26.03		
	16QAM	Low	3 565.00	7.40	8.50	15.90	16.49	25.96		
		Middle	3 625.00	7.16	8.50	15.66	16.50	25.97		
		High	3 685.00	7.65	8.50	16.15	16.79	26.26		
	64QAM	Low	3 565.00	7.43	8.50	15.93	16.53	26.00		
		Middle	3 625.00	7.54	8.50	16.04	16.54	26.01		
		High	3 685.00	7.24	8.50	15.74	16.59	26.06		
256QAM	Low	3 565.00	7.37	8.50	15.87	16.57	26.04			
	Middle	3 625.00	7.17	8.50	15.67	16.53	26.00			
	High	3 685.00	7.51	8.50	16.01	16.73	26.20			

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 565.00	18.89	18.89	18.85	18.99	20
3 625.00	18.92	18.83	19.04	18.89	
3 685.00	18.79	18.94	18.90	18.91	

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 565.00	29.10	29.07	29.13	29.11	30
3 625.00	29.06	29.13	29.04	29.04	
3 685.00	29.04	29.19	29.08	29.11	

## CBRS NR 40 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	Measured Value (dBm/8MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	Low	3 570.00	6.84	8.50	15.34	20	15.64	25.11	30
		Middle	3 625.00	6.14	8.50	14.64		15.65	25.12	
		High	3 680.00	6.98	8.50	15.48		15.59	25.06	
	16QAM	Low	3 570.00	6.17	8.50	14.67		15.48	24.95	
		Middle	3 625.00	6.45	8.50	14.95		15.67	25.14	
		High	3 680.00	7.01	8.50	15.51		15.66	25.13	
	64QAM	Low	3 570.00	6.54	8.50	15.04		15.73	25.20	
		Middle	3 625.00	6.68	8.50	15.18		15.60	25.07	
		High	3 680.00	6.30	8.50	14.80		15.66	25.13	
	256QAM	Low	3 570.00	6.16	8.50	14.66		15.70	25.17	
		Middle	3 625.00	6.25	8.50	14.75		15.72	25.19	
		High	3 680.00	6.39	8.50	14.89		15.74	25.21	
1	QPSK	Low	3 570.00	6.61	8.50	15.11	15.71	25.18		
		Middle	3 625.00	6.98	8.50	15.48	15.68	25.15		
		High	3 680.00	6.47	8.50	14.97	15.56	25.03		
	16QAM	Low	3 570.00	6.41	8.50	14.91	15.65	25.12		
		Middle	3 625.00	6.73	8.50	15.23	15.58	25.05		
		High	3 680.00	6.28	8.50	14.78	15.58	25.05		
	64QAM	Low	3 570.00	6.69	8.50	15.19	15.36	24.83		
		Middle	3 625.00	6.38	8.50	14.88	15.55	25.02		
		High	3 680.00	6.85	8.50	15.35	15.63	25.10		
256QAM	Low	3 570.00	6.63	8.50	15.13	15.60	25.07			
	Middle	3 625.00	6.96	8.50	15.46	15.43	24.90			
	High	3 680.00	7.10	8.50	15.60	15.75	25.22			

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 570.00	18.24	17.80	18.13	17.91	20
3 625.00	18.09	18.10	18.04	18.13	
3 680.00	18.24	18.17	18.09	18.27	

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 570.00	28.15	28.04	28.03	28.13	30
3 625.00	28.14	28.11	28.05	28.06	
3 680.00	28.06	28.10	28.13	28.22	

**CBRS NR 50 MHz 1 Carrier**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	Low	3 575.00	5.93	8.50	14.43	20	24.43	30
		Middle	3 625.00	5.97	8.50	14.47		24.47	
		High	3 675.00	6.00	8.50	14.50		24.50	
	16QAM	Low	3 575.00	6.07	8.50	14.57		24.57	
		Middle	3 625.00	5.97	8.50	14.47		24.47	
		High	3 675.00	5.96	8.50	14.46		24.46	
	64QAM	Low	3 575.00	5.95	8.50	14.45		24.45	
		Middle	3 625.00	5.94	8.50	14.44		24.44	
		High	3 675.00	6.20	8.50	14.70		24.70	
	256QAM	Low	3 575.00	6.01	8.50	14.51		24.51	
		Middle	3 625.00	6.04	8.50	14.54		24.54	
		High	3 675.00	5.92	8.50	14.42		24.42	
1	QPSK	Low	3 575.00	5.96	8.50	14.46	24.46		
		Middle	3 625.00	5.88	8.50	14.38	24.38		
		High	3 675.00	6.01	8.50	14.51	24.51		
	16QAM	Low	3 575.00	5.93	8.50	14.43	24.43		
		Middle	3 625.00	6.03	8.50	14.53	24.53		
		High	3 675.00	5.98	8.50	14.48	24.48		
	64QAM	Low	3 575.00	6.03	8.50	14.53	24.53		
		Middle	3 625.00	5.98	8.50	14.48	24.48		
		High	3 675.00	5.80	8.50	14.30	24.30		
256QAM	Low	3 575.00	5.99	8.50	14.49	24.49			
	Middle	3 625.00	5.96	8.50	14.46	24.46			
	High	3 675.00	5.90	8.50	14.40	24.40			

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 575.00	17.46	17.51	17.50	17.51	20
3 625.00	17.44	17.51	17.47	17.51	
3 675.00	17.52	17.48	17.51	17.42	

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 575.00	27.46	27.51	27.50	27.51	30
3 625.00	27.43	27.51	27.47	27.51	
3 675.00	27.51	27.48	27.51	27.42	

**CBRS NR 60 MHz 1 Carrier**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	Low	3 580.00	5.12	8.50	13.62	20	23.62	30
		Middle	3 625.00	5.31	8.50	13.81		23.81	
		High	3 670.00	4.91	8.50	13.41		23.41	
	16QAM	Low	3 580.00	5.16	8.50	13.66		23.66	
		Middle	3 625.00	5.14	8.50	13.64		23.64	
		High	3 670.00	5.00	8.50	13.50		23.50	
	64QAM	Low	3 580.00	5.17	8.50	13.67		23.67	
		Middle	3 625.00	5.13	8.50	13.63		23.63	
		High	3 670.00	5.02	8.50	13.52		23.52	
	256QAM	Low	3 580.00	5.07	8.50	13.57		23.57	
		Middle	3 625.00	5.13	8.50	13.63		23.63	
		High	3 670.00	5.12	8.50	13.62		23.62	
1	QPSK	Low	3 580.00	5.11	8.50	13.61	23.61		
		Middle	3 625.00	5.02	8.50	13.52	23.52		
		High	3 670.00	5.14	8.50	13.64	23.64		
	16QAM	Low	3 580.00	5.16	8.50	13.66	23.66		
		Middle	3 625.00	5.04	8.50	13.54	23.54		
		High	3 670.00	5.15	8.50	13.65	23.65		
	64QAM	Low	3 580.00	4.98	8.50	13.48	23.48		
		Middle	3 625.00	5.12	8.50	13.62	23.62		
		High	3 670.00	5.00	8.50	13.50	23.50		
256QAM	Low	3 580.00	5.25	8.50	13.75	23.75			
	Middle	3 625.00	5.11	8.50	13.61	23.61			
	High	3 670.00	5.11	8.50	13.61	23.61			

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 580.00	16.63	16.67	16.59	16.67	20
3 625.00	16.68	16.60	16.64	16.63	
3 670.00	16.54	16.59	16.52	16.63	

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 580.00	26.63	26.67	26.59	26.67	30
3 625.00	26.68	26.60	26.64	26.63	
3 670.00	26.54	26.58	26.52	26.63	

## CBRS NR 80 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	Low	3 590.00	3.95	8.50	12.45	20	22.45	30
		Middle	3 625.00	3.85	8.50	12.35		22.35	
		High	3 660.00	3.86	8.50	12.36		22.36	
	16QAM	Low	3 590.00	3.92	8.50	12.42		22.42	
		Middle	3 625.00	3.89	8.50	12.39		22.39	
		High	3 660.00	4.11	8.50	12.61		22.61	
	64QAM	Low	3 590.00	4.05	8.50	12.55		22.55	
		Middle	3 625.00	4.02	8.50	12.52		22.52	
		High	3 660.00	3.81	8.50	12.31		22.31	
	256QAM	Low	3 590.00	3.91	8.50	12.41		22.41	
		Middle	3 625.00	3.95	8.50	12.45		22.45	
		High	3 660.00	3.84	8.50	12.34		22.34	
1	QPSK	Low	3 590.00	3.88	8.50	12.38	22.38		
		Middle	3 625.00	4.06	8.50	12.56	22.56		
		High	3 660.00	3.79	8.50	12.29	22.29		
	16QAM	Low	3 590.00	3.94	8.50	12.44	22.44		
		Middle	3 625.00	4.01	8.50	12.51	22.51		
		High	3 660.00	4.11	8.50	12.61	22.61		
	64QAM	Low	3 590.00	3.87	8.50	12.37	22.37		
		Middle	3 625.00	4.17	8.50	12.67	22.67		
		High	3 660.00	4.02	8.50	12.52	22.52		
256QAM	Low	3 590.00	3.93	8.50	12.43	22.43			
	Middle	3 625.00	3.86	8.50	12.36	22.36			
	High	3 660.00	4.08	8.50	12.58	22.58			

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 590.00	15.43	15.44	15.47	15.43	20
3 625.00	15.47	15.46	15.61	15.42	
3 660.00	15.34	15.62	15.43	15.47	

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 590.00	25.43	25.44	25.47	25.43	30
3 625.00	25.46	25.46	25.61	25.41	
3 660.00	25.33	25.62	25.43	25.47	

## CBRS NR 100 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)	
0	QPSK	Low	3 600.00	3.00	8.50	11.50	20	21.50	30	
		Middle	3 625.00	2.92	8.50	11.42		21.42		
		High	3 650.00	2.93	8.50	11.43		21.43		
	16QAM	Low	3 600.00	2.89	8.50	11.39		21.39		
		Middle	3 625.00	2.92	8.50	11.42		21.42		
		High	3 650.00	2.86	8.50	11.36		21.36		
	64QAM	Low	3 600.00	2.97	8.50	11.47		21.47		
		Middle	3 625.00	2.92	8.50	11.42		21.42		
		High	3 650.00	2.96	8.50	11.46		21.46		
	256QAM	Low	3 600.00	3.24	8.50	11.74		21.74		
		Middle	3 625.00	2.98	8.50	11.48		21.48		
		High	3 650.00	2.93	8.50	11.43		21.43		
	1	QPSK	Low	3 600.00	2.87	8.50		11.37		21.37
			Middle	3 625.00	2.94	8.50		11.44		21.44
			High	3 650.00	2.97	8.50		11.47		21.47
16QAM		Low	3 600.00	2.99	8.50	11.49	21.49			
		Middle	3 625.00	2.96	8.50	11.46	21.46			
		High	3 650.00	3.04	8.50	11.54	21.54			
64QAM		Low	3 600.00	2.93	8.50	11.43	21.43			
		Middle	3 625.00	2.88	8.50	11.38	21.38			
		High	3 650.00	2.93	8.50	11.43	21.43			
256QAM	Low	3 600.00	2.65	8.50	11.15	21.15				
	Middle	3 625.00	2.91	8.50	11.41	21.41				
	High	3 650.00	2.85	8.50	11.35	21.35				

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 600.00	14.45	14.45	14.46	14.47	20
3 625.00	14.44	14.45	14.41	14.46	
3 650.00	14.46	14.46	14.46	14.40	

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 600.00	24.44	24.45	24.46	24.46	30
3 625.00	24.44	24.45	24.41	24.46	
3 650.00	24.46	24.46	24.45	24.40	

## Tabular Data of Contiguous PSD

## CBRS NR(60 MHz 1C + 10 MHz 1C)[2C]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	Low	3 585.00	4.62	8.50	13.12	20	23.12	30
		Middle	3 625.00	4.51	8.50	13.01		23.01	
		High	3 665.00	4.62	8.50	13.12		23.12	
	16QAM	Low	3 585.00	4.57	8.50	13.07		23.07	
		Middle	3 625.00	4.60	8.50	13.10		23.10	
		High	3 665.00	4.50	8.50	13.00		23.00	
	64QAM	Low	3 585.00	4.52	8.50	13.02		23.02	
		Middle	3 625.00	4.60	8.50	13.10		23.10	
		High	3 665.00	4.67	8.50	13.17		23.17	
	256QAM	Low	3 585.00	4.89	8.50	13.39		23.39	
		Middle	3 625.00	4.77	8.50	13.27		23.27	
		High	3 665.00	4.54	8.50	13.04		23.04	
1	QPSK	Low	3 585.00	4.75	8.50	13.25	23.25		
		Middle	3 625.00	4.81	8.50	13.31	23.31		
		High	3 665.00	4.60	8.50	13.10	23.10		
	16QAM	Low	3 585.00	4.61	8.50	13.11	23.11		
		Middle	3 625.00	4.70	8.50	13.20	23.20		
		High	3 665.00	4.68	8.50	13.18	23.18		
	64QAM	Low	3 585.00	4.55	8.50	13.05	23.05		
		Middle	3 625.00	4.65	8.50	13.15	23.15		
		High	3 665.00	4.59	8.50	13.09	23.09		
	256QAM	Low	3 585.00	4.66	8.50	13.16	23.16		
		Middle	3 625.00	4.71	8.50	13.21	23.21		
		High	3 665.00	4.68	8.50	13.18	23.18		

Note: 1C: 1 Carrier, 2C: 2 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 585.00	16.20	16.10	16.05	16.29	20
3 625.00	16.17	16.16	16.14	16.25	
3 665.00	16.12	16.10	16.14	16.12	

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 585.00	26.19	26.10	26.05	26.29	30
3 625.00	26.17	26.16	26.13	26.25	
3 665.00	26.12	26.10	26.14	26.12	

**CBRS NR(80 MHz 1C + 10 MHz 1C)[2C]**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	Low	3 595.00	3.55	8.50	12.05	20	22.05	30
		Middle	3 625.00	3.52	8.50	12.02		22.02	
		High	3 655.00	3.73	8.50	12.23		22.23	
	16QAM	Low	3 595.00	3.55	8.50	12.05		22.05	
		Middle	3 625.00	3.61	8.50	12.11		22.11	
		High	3 655.00	3.70	8.50	12.20		22.20	
	64QAM	Low	3 595.00	3.51	8.50	12.01		22.01	
		Middle	3 625.00	3.59	8.50	12.09		22.09	
		High	3 655.00	3.70	8.50	12.20		22.20	
	256QAM	Low	3 595.00	3.62	8.50	12.12		22.12	
		Middle	3 625.00	3.74	8.50	12.24		22.24	
		High	3 655.00	3.87	8.50	12.37		22.37	
1	QPSK	Low	3 595.00	3.73	8.50	12.23	22.23		
		Middle	3 625.00	3.60	8.50	12.10	22.10		
		High	3 655.00	3.82	8.50	12.32	22.32		
	16QAM	Low	3 595.00	3.46	8.50	11.96	21.96		
		Middle	3 625.00	3.70	8.50	12.20	22.20		
		High	3 655.00	3.80	8.50	12.30	22.30		
	64QAM	Low	3 595.00	3.83	8.50	12.33	22.33		
		Middle	3 625.00	3.67	8.50	12.17	22.17		
		High	3 655.00	3.67	8.50	12.17	22.17		
256QAM	Low	3 595.00	3.68	8.50	12.18	22.18			
	Middle	3 625.00	3.72	8.50	12.22	22.22			
	High	3 655.00	3.70	8.50	12.20	22.20			

Note: 1C: 1 Carrier, 2C: 2 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 595.00	15.15	15.02	15.18	15.16	20
3 625.00	15.07	15.17	15.14	15.24	
3 655.00	15.29	15.26	15.20	15.30	

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 595.00	25.15	25.01	25.18	25.16	30
3 625.00	25.07	25.17	25.14	25.24	
3 655.00	25.28	25.26	25.20	25.29	

**CBRS LTE(5 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C)[5C]**

Ant	Mod	Ch	Frequenc y (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz )	Limit (dBm/MHz )	Measured Value (dBm/8MHz)	E.I.R.P. (dBm/10MHz)	Limit (dBm/10MHz)
0	QPSK	Low	3 570.00	7.21	8.50	15.71	20	16.46	25.93	30
		Middle	3 625.00	7.17	8.50	15.67		16.38	25.85	
		High	3 680.00	7.36	8.50	15.86		16.75	26.22	
	16QAM	Low	3 570.00	7.29	8.50	15.79		16.53	25.99	
		Middle	3 625.00	7.21	8.50	15.71		16.43	25.90	
		High	3 680.00	7.64	8.50	16.14		16.60	26.07	
	64QAM	Low	3 570.00	7.29	8.50	15.79		16.42	25.89	
		Middle	3 625.00	7.44	8.50	15.94		16.50	25.97	
		High	3 680.00	7.30	8.50	15.80		16.45	25.92	
	256QAM	Low	3 570.00	7.39	8.50	15.89		16.62	26.09	
		Middle	3 625.00	7.31	8.50	15.81		16.60	26.07	
		High	3 680.00	7.41	8.50	15.91		16.49	25.96	
	1024QAM	Low	3 570.00	7.45	8.50	15.95		16.54	26.01	
		Middle	3 625.00	7.49	8.50	15.99		16.56	26.03	
		High	3 680.00	7.42	8.50	15.92		16.52	25.99	
1	QPSK	Low	3 570.00	7.18	8.50	15.68	16.67	26.14		
		Middle	3 625.00	7.55	8.50	16.05	16.71	26.18		
		High	3 680.00	7.37	8.50	15.87	16.46	25.93		
	16QAM	Low	3 570.00	7.53	8.50	16.03	16.64	26.11		
		Middle	3 625.00	7.29	8.50	15.79	16.68	26.15		
		High	3 680.00	7.67	8.50	16.17	16.76	26.23		
	64QAM	Low	3 570.00	7.60	8.50	16.10	16.66	26.13		
		Middle	3 625.00	7.50	8.50	16.00	16.70	26.17		
		High	3 680.00	7.66	8.50	16.16	16.70	26.17		
	256QAM	Low	3 570.00	7.50	8.50	16.00	16.56	26.03		
		Middle	3 625.00	7.25	8.50	15.75	16.53	26.00		
		High	3 680.00	7.44	8.50	15.94	16.64	26.11		
	1024QAM	Low	3 570.00	7.66	8.50	16.16	16.55	26.01		
		Middle	3 625.00	7.18	8.50	15.68	16.60	26.07		
		High	3 680.00	7.19	8.50	15.69	16.61	26.08		

**Note: 1C: 1 Carrier, 5C: 5 Carrier**

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD					Limit
	QPSK	16QAM	64QAM	256QAM	1024QAM	
	(dBm/MHz)					
3 562.50	18.70	18.92	18.96	18.96	19.06	20
3 625.00	18.88	18.76	18.98	18.79	18.85	
3 687.50	18.87	19.17	18.99	18.93	18.82	

Frequency (MHz)	E.I.R.P.					Limit
	QPSK	16QAM	64QAM	256QAM	1024QAM	
	(dBm/10 MHz)					
3 562.50	29.05	29.06	29.02	29.07	29.02	30
3 625.00	29.03	29.04	29.08	29.04	29.06	
3 687.50	29.09	29.16	29.06	29.04	29.04	

**CBRS LTE(20 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C)[5C]**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	Low	3 570.00	6.46	8.50	14.96	20	24.96	30
		Middle	3 625.00	6.59	8.50	15.09		25.09	
		High	3 680.00	6.97	8.50	15.47		25.47	
	16QAM	Low	3 570.00	6.42	8.50	14.92		24.92	
		Middle	3 625.00	6.61	8.50	15.11		25.11	
		High	3 680.00	7.10	8.50	15.60		25.60	
	64QAM	Low	3 570.00	6.67	8.50	15.17		25.17	
		Middle	3 625.00	6.51	8.50	15.01		25.01	
		High	3 680.00	6.47	8.50	14.97		24.97	
	256QAM	Low	3 570.00	6.43	8.50	14.93		24.93	
		Middle	3 625.00	6.52	8.50	15.02		25.02	
		High	3 680.00	6.38	8.50	14.88		24.88	
	1024QAM	Low	3 570.00	6.62	8.50	15.12		25.12	
		Middle	3 625.00	6.45	8.50	14.95		24.95	
		High	3 680.00	6.55	8.50	15.05		25.05	
1	QPSK	Low	3 570.00	6.58	8.50	15.08	20	25.08	30
		Middle	3 625.00	6.43	8.50	14.93		24.93	
		High	3 680.00	6.55	8.50	15.05		25.05	
	16QAM	Low	3 570.00	6.61	8.50	15.11		25.11	
		Middle	3 625.00	6.60	8.50	15.10		25.10	
		High	3 680.00	7.10	8.50	15.60		25.60	
	64QAM	Low	3 570.00	6.49	8.50	14.99		24.99	
		Middle	3 625.00	6.63	8.50	15.13		25.13	
		High	3 680.00	6.86	8.50	15.36		25.36	
	256QAM	Low	3 570.00	6.80	8.50	15.30		25.30	
		Middle	3 625.00	6.55	8.50	15.05		25.05	
		High	3 680.00	6.74	8.50	15.24		25.24	
	1024QAM	Low	3 570.00	6.54	8.50	15.04		25.04	
		Middle	3 625.00	6.67	8.50	15.17		25.17	
		High	3 680.00	7.00	8.50	15.50		25.50	

**Note: 1C: 1 Carrier, 5C: 5 Carrier**

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD					Limit
	QPSK	16QAM	64QAM	256QAM	1024QAM	
	(dBm/MHz)					
3 570.00	18.03	18.03	18.09	18.13	18.09	20
3 625.00	18.02	18.12	18.08	18.05	18.07	
3 680.00	18.28	18.61	18.18	18.07	18.29	

Frequency (MHz)	E.I.R.P.					Limit
	QPSK	16QAM	64QAM	256QAM	1024QAM	
	(dBm/10 MHz)					
3 570.00	28.03	28.03	28.09	28.13	28.09	30
3 625.00	28.02	28.11	28.08	28.04	28.08	
3 680.00	28.28	28.61	28.18	28.07	28.29	

**CBRS LTE(20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C)[5C]**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	Measured Value (dBm/8MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)	
0	QPSK	Low	3 600.00	4.10	8.50	12.60	20	11.55	21.02	30	
		Middle	3 625.00	3.88	8.50	12.38		11.64	21.11		
		High	3 650.00	3.90	8.50	12.40		11.75	21.22		
	16QAM	Low	3 600.00	4.11	8.50	12.61		11.63	21.10		
		Middle	3 625.00	3.95	8.50	12.45		11.67	21.13		
		High	3 650.00	4.03	8.50	12.53		11.85	21.32		
	64QAM	Low	3 600.00	4.13	8.50	12.63		11.87	21.34		
		Middle	3 625.00	4.05	8.50	12.55		11.60	21.07		
		High	3 650.00	4.10	8.50	12.60		11.76	21.22		
	256QAM	Low	3 600.00	4.02	8.50	12.52		11.64	21.11		
		Middle	3 625.00	4.05	8.50	12.55		11.76	21.23		
		High	3 650.00	4.02	8.50	12.52		11.77	21.24		
	1024QAM	Low	3 600.00	3.97	8.50	12.47		11.66	21.12		
		Middle	3 625.00	3.89	8.50	12.39		11.69	21.15		
		High	3 650.00	3.91	8.50	12.41		11.46	20.93		
	1	QPSK	Low	3 600.00	3.98	8.50		12.48	11.54		21.01
			Middle	3 625.00	4.15	8.50		12.65	11.79		21.26
			High	3 692.40	4.16	8.50		12.66	11.90		21.37
16QAM		Low	3 600.00	4.14	8.50	12.64	11.67	21.14			
		Middle	3 625.00	4.04	8.50	12.54	11.75	21.22			
		High	3 650.00	4.05	8.50	12.55	11.47	20.94			
64QAM		Low	3 600.00	4.11	8.50	12.61	11.49	20.96			
		Middle	3 625.00	4.03	8.50	12.53	11.82	21.29			
		High	3 650.00	3.93	8.50	12.43	11.51	20.98			
256QAM		Low	3 600.00	3.88	8.50	12.38	11.88	21.35			
		Middle	3 625.00	3.98	8.50	12.48	11.48	20.95			
		High	3 650.00	3.98	8.50	12.48	11.80	21.27			
1024QAM		Low	3 600.00	3.99	8.50	12.49	11.70	21.17			
		Middle	3 625.00	3.96	8.50	12.46	11.57	21.04			
		High	3 650.00	3.92	8.50	12.42	11.88	21.34			

**Note: 1C: 1 Carrier, 5C: 5 Carrier**

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD					Limit
	QPSK	16QAM	64QAM	256QAM	1024QAM	
	(dBm/MHz)					
3 600.00	15.55	15.64	15.63	15.46	15.49	20
3 625.00	15.53	15.51	15.55	15.53	15.44	
3 650.00	15.54	15.55	15.53	15.51	15.43	

Frequency (MHz)	E.I.R.P.					Limit
	QPSK	16QAM	64QAM	256QAM	1024QAM	
	(dBm/10 MHz)					
3 600.00	24.02	24.13	24.16	24.24	24.16	30
3 625.00	24.20	24.19	24.19	24.10	24.11	
3 650.00	24.31	24.14	24.11	24.27	24.15	

**CBRS NR(10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C)[5C]**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	Low	3 575.00	5.84	8.50	14.34	20	24.34	30
		Middle	3 625.00	6.27	8.50	14.77		24.77	
		High	3 675.00	6.07	8.50	14.57		24.57	
	16QAM	Low	3 575.00	5.72	8.50	14.22		24.22	
		Middle	3 625.00	6.17	8.50	14.67		24.67	
		High	3 675.00	5.86	8.50	14.36		24.36	
	64QAM	Low	3 575.00	5.90	8.50	14.40		24.40	
		Middle	3 625.00	6.37	8.50	14.87		24.87	
		High	3 675.00	6.16	8.50	14.66		24.66	
	256QAM	Low	3 575.00	5.66	8.50	14.16		24.16	
		Middle	3 625.00	6.12	8.50	14.62		24.62	
		High	3 675.00	6.06	8.50	14.56		24.56	
1	QPSK	Low	3 575.00	6.17	8.50	14.67	24.67		
		Middle	3 625.00	5.50	8.50	14.00	24.00		
		High	3 675.00	5.37	8.50	13.87	23.87		
	16QAM	Low	3 575.00	5.62	8.50	14.12	24.12		
		Middle	3 625.00	5.85	8.50	14.35	24.35		
		High	3 675.00	5.77	8.50	14.27	24.27		
	64QAM	Low	3 575.00	5.75	8.50	14.25	24.25		
		Middle	3 625.00	5.51	8.50	14.01	24.01		
		High	3 675.00	5.56	8.50	14.06	24.06		
256QAM	Low	3 575.00	5.36	8.50	13.86	23.86			
	Middle	3 625.00	5.57	8.50	14.07	24.07			
	High	3 675.00	5.96	8.50	14.46	24.46			

Note: 1C: 1 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 575.00	17.52	17.18	17.34	17.02	20
3 625.00	17.41	17.52	17.47	17.36	
3 675.00	17.24	17.33	17.38	17.52	

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 575.00	27.52	27.18	27.33	27.02	30
3 625.00	27.41	27.52	27.47	27.36	
3 675.00	27.25	27.33	27.38	27.52	

**CBRS NR(40 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C)[5C]**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	Low	3 590.00	3.97	8.50	12.47	20	22.47	30
		Middle	3 625.00	3.54	8.50	12.04		22.04	
		High	3 660.00	3.91	8.50	12.41		22.41	
	16QAM	Low	3 590.00	3.56	8.50	12.06		22.06	
		Middle	3 625.00	3.90	8.50	12.40		22.40	
		High	3 660.00	3.79	8.50	12.29		22.29	
	64QAM	Low	3 590.00	3.59	8.50	12.09		22.09	
		Middle	3 625.00	4.05	8.50	12.55		22.55	
		High	3 660.00	3.83	8.50	12.33		22.33	
	256QAM	Low	3 590.00	3.52	8.50	12.02		22.02	
		Middle	3 625.00	3.80	8.50	12.30		22.30	
		High	3 660.00	4.05	8.50	12.55		22.55	
1	QPSK	Low	3 590.00	3.77	8.50	12.27	22.27		
		Middle	3 625.00	4.12	8.50	12.62	22.62		
		High	3 660.00	3.95	8.50	12.45	22.45		
	16QAM	Low	3 590.00	3.56	8.50	12.06	22.06		
		Middle	3 625.00	4.33	8.50	12.83	22.83		
		High	3 660.00	3.75	8.50	12.25	22.25		
	64QAM	Low	3 590.00	3.80	8.50	12.30	22.30		
		Middle	3 625.00	4.26	8.50	12.76	22.76		
		High	3 660.00	4.03	8.50	12.53	22.53		
256QAM	Low	3 590.00	3.78	8.50	12.28	22.28			
	Middle	3 625.00	4.36	8.50	12.86	22.86			
	High	3 660.00	3.95	8.50	12.45	22.45			

Note: 1C: 1 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 590.00	15.38	15.07	15.21	15.16	20
3 625.00	15.35	15.63	15.67	15.60	
3 660.00	15.44	15.28	15.44	15.51	

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 590.00	25.38	25.07	25.20	25.17	30
3 625.00	25.35	25.63	25.67	25.60	
3 660.00	25.44	25.28	25.44	25.51	

**CBRS NR(40 MHz 1C + 30 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C)[5C]**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	Low	3 600.00	2.45	8.50	10.95	20	20.95	30
		Middle	3 625.00	2.33	8.50	10.83		20.83	
		High	3 650.00	2.61	8.50	11.11		21.11	
	16QAM	Low	3 600.00	2.47	8.50	10.97		20.97	
		Middle	3 625.00	2.15	8.50	10.65		20.65	
		High	3 650.00	2.47	8.50	10.97		20.97	
	64QAM	Low	3 600.00	2.57	8.50	11.07		21.07	
		Middle	3 625.00	2.49	8.50	10.99		20.99	
		High	3 650.00	2.40	8.50	10.90		20.90	
	256QAM	Low	3 600.00	2.57	8.50	11.07		21.07	
		Middle	3 625.00	2.13	8.50	10.63		20.63	
		High	3 650.00	2.48	8.50	10.98		20.98	
1	QPSK	Low	3 600.00	2.63	8.50	11.13	21.13		
		Middle	3 625.00	3.19	8.50	11.69	21.69		
		High	3 650.00	3.29	8.50	11.79	21.79		
	16QAM	Low	3 600.00	2.57	8.50	11.07	21.07		
		Middle	3 625.00	2.97	8.50	11.47	21.47		
		High	3 650.00	2.76	8.50	11.26	21.26		
	64QAM	Low	3 600.00	3.03	8.50	11.53	21.53		
		Middle	3 625.00	3.14	8.50	11.64	21.64		
		High	3 650.00	3.07	8.50	11.57	21.57		
256QAM	Low	3 600.00	2.56	8.50	11.06	21.06			
	Middle	3 625.00	2.92	8.50	11.42	21.42			
	High	3 650.00	3.02	8.50	11.52	21.52			

Note: 1C: 1 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 600.00	14.05	14.03	14.32	14.08	20
3 625.00	14.29	14.09	14.34	14.05	
3 650.00	14.47	14.13	14.26	14.27	

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 600.00	24.05	24.03	24.31	24.07	30
3 625.00	24.29	24.09	24.34	24.05	
3 650.00	24.47	24.13	24.26	24.27	

**CBRS NR(60 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C) [5C]**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)	
0	QPSK	Low	3 600.00	2.95	8.50	11.45	20	21.45	30	
		Middle	3 625.00	2.91	8.50	11.41		21.41		
		High	3 650.00	3.01	8.50	11.51		21.51		
	16QAM	Low	3 600.00	2.80	8.50	11.30		21.30		
		Middle	3 625.00	2.89	8.50	11.39		21.39		
		High	3 650.00	2.95	8.50	11.45		21.45		
	64QAM	Low	3 600.00	2.87	8.50	11.37		21.37		
		Middle	3 625.00	2.98	8.50	11.48		21.48		
		High	3 650.00	2.91	8.50	11.41		21.41		
	256QAM	Low	3 600.00	2.96	8.50	11.46		21.46		
		Middle	3 625.00	2.95	8.50	11.45		21.45		
		High	3 650.00	2.97	8.50	11.47		21.47		
	1	QPSK	Low	3 600.00	2.92	8.50		11.42		21.42
			Middle	3 625.00	2.97	8.50		11.47		21.47
			High	3 650.00	2.87	8.50		11.37		21.37
16QAM		Low	3 600.00	3.10	8.50	11.60	21.60			
		Middle	3 625.00	2.94	8.50	11.44	21.44			
		High	3 650.00	2.91	8.50	11.41	21.41			
64QAM		Low	3 600.00	2.83	8.50	11.33	21.33			
		Middle	3 625.00	2.91	8.50	11.41	21.41			
		High	3 650.00	2.86	8.50	11.36	21.36			
256QAM	Low	3 600.00	2.89	8.50	11.39	21.39				
	Middle	3 625.00	2.94	8.50	11.44	21.44				
	High	3 650.00	2.90	8.50	11.40	21.40				

Note: 1C: 1 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 600.00	14.45	14.46	14.36	14.44	20
3 625.00	14.45	14.43	14.46	14.46	
3 650.00	14.45	14.44	14.40	14.45	

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 600.00	24.45	24.46	24.36	24.44	30
3 625.00	24.45	24.43	24.46	24.46	
3 650.00	24.45	24.44	24.40	24.45	

**CBRS NR 60 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 10 MHz 1C [5C]**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	Low	3 600.00	2.95	8.50	11.45	20	21.45	30
		Middle	3 625.00	2.90	8.50	11.40		21.40	
		High	3 650.00	2.84	8.50	11.34		21.34	
	16QAM	Low	3 600.00	2.91	8.50	11.41		21.41	
		Middle	3 625.00	2.85	8.50	11.35		21.35	
		High	3 650.00	2.71	8.50	11.21		21.21	
	64QAM	Low	3 600.00	2.82	8.50	11.32		21.32	
		Middle	3 625.00	2.83	8.50	11.33		21.33	
		High	3 650.00	3.01	8.50	11.51		21.51	
	256QAM	Low	3 600.00	3.04	8.50	11.54		21.54	
		Middle	3 625.00	2.99	8.50	11.49		21.49	
		High	3 650.00	3.10	8.50	11.60		21.60	
1	QPSK	Low	3 600.00	2.93	8.50	11.43	21.43		
		Middle	3 625.00	2.89	8.50	11.39	21.39		
		High	3 650.00	2.87	8.50	11.37	21.37		
	16QAM	Low	3 600.00	2.92	8.50	11.42	21.42		
		Middle	3 625.00	2.82	8.50	11.32	21.32		
		High	3 650.00	3.18	8.50	11.68	21.68		
	64QAM	Low	3 600.00	2.81	8.50	11.31	21.31		
		Middle	3 625.00	2.89	8.50	11.39	21.39		
		High	3 650.00	2.89	8.50	11.39	21.39		
256QAM	Low	3 600.00	2.81	8.50	11.31	21.31			
	Middle	3 625.00	2.82	8.50	11.32	21.32			
	High	3 650.00	2.78	8.50	11.28	21.28			

Note: 1C: 1 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 600.00	14.45	14.43	14.33	14.44	20
3 625.00	14.41	14.35	14.37	14.42	
3 650.00	14.37	14.46	14.46	14.45	

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 600.00	24.45	24.43	24.33	24.44	30
3 625.00	24.41	24.35	24.37	24.42	
3 650.00	24.37	24.46	24.46	24.45	

**CBRS NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C [5C]**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	Low	3 570.00	7.19	8.50	15.69	20	25.69	30
		Middle	3 625.00	7.01	8.50	15.51		25.51	
		High	3 680.00	7.22	8.50	15.72		25.72	
	16QAM	Low	3 570.00	7.01	8.50	15.51		25.51	
		Middle	3 625.00	7.10	8.50	15.60		25.60	
		High	3 680.00	7.07	8.50	15.57		25.57	
	64QAM	Low	3 570.00	7.25	8.50	15.75		25.75	
		Middle	3 625.00	7.02	8.50	15.52		25.52	
		High	3 680.00	7.01	8.50	15.51		25.51	
	256QAM	Low	3 570.00	7.25	8.50	15.75		25.75	
		Middle	3 625.00	7.16	8.50	15.66		25.66	
		High	3 680.00	7.16	8.50	15.66		25.66	
1	QPSK	Low	3 570.00	6.83	8.50	15.33	25.33		
		Middle	3 625.00	7.12	8.50	15.62	25.62		
		High	3 680.00	7.37	8.50	15.87	25.87		
	16QAM	Low	3 570.00	7.12	8.50	15.62	25.62		
		Middle	3 625.00	7.42	8.50	15.92	25.92		
		High	3 680.00	7.01	8.50	15.51	25.51		
	64QAM	Low	3 570.00	7.25	8.50	15.75	25.75		
		Middle	3 625.00	7.10	8.50	15.60	25.60		
		High	3 680.00	7.29	8.50	15.79	25.79		
256QAM	Low	3 570.00	7.20	8.50	15.70	25.70			
	Middle	3 625.00	7.15	8.50	15.65	25.65			
	High	3 680.00	7.35	8.50	15.85	25.85			

Note: 1C: 1 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 570.00	18.52	18.58	18.76	18.74	20
3 625.00	18.58	18.77	18.57	18.67	
3 680.00	18.81	18.55	18.66	18.77	

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 570.00	28.52	28.57	28.76	28.74	30
3 625.00	28.58	28.77	28.57	28.67	
3 680.00	28.80	28.55	28.67	28.76	

**CBRS NR 40 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 5 MHz 1C [5C]**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	Low	3 587.50	4.14	8.50	12.64	20	22.64	30
		Middle	3 625.00	4.21	8.50	12.71		22.71	
		High	3 662.50	4.32	8.50	12.82		22.82	
	16QAM	Low	3 587.50	4.09	8.50	12.59		22.59	
		Middle	3 625.00	4.24	8.50	12.74		22.74	
		High	3 662.50	4.37	8.50	12.87		22.87	
	64QAM	Low	3 587.50	4.21	8.50	12.71		22.71	
		Middle	3 625.00	4.18	8.50	12.68		22.68	
		High	3 662.50	4.33	8.50	12.83		22.83	
	256QAM	Low	3 587.50	4.13	8.50	12.63		22.63	
		Middle	3 625.00	4.15	8.50	12.65		22.65	
		High	3 662.50	4.26	8.50	12.76		22.76	
1	QPSK	Low	3 587.50	3.99	8.50	12.49	22.49		
		Middle	3 625.00	4.13	8.50	12.63	22.63		
		High	3 662.50	4.17	8.50	12.67	22.67		
	16QAM	Low	3 587.50	4.08	8.50	12.58	22.58		
		Middle	3 625.00	4.38	8.50	12.88	22.88		
		High	3 662.50	4.12	8.50	12.62	22.62		
	64QAM	Low	3 587.50	4.15	8.50	12.65	22.65		
		Middle	3 625.00	4.19	8.50	12.69	22.69		
		High	3 662.50	4.20	8.50	12.70	22.70		
256QAM	Low	3 587.50	4.04	8.50	12.54	22.54			
	Middle	3 625.00	4.11	8.50	12.61	22.61			
	High	3 662.50	4.24	8.50	12.74	22.74			

Note: 1C: 1 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 587.50	15.58	15.60	15.69	15.60	20
3 625.00	15.68	15.82	15.70	15.64	
3 662.50	15.76	15.76	15.78	15.76	

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 587.50	25.58	25.59	25.69	25.59	30
3 625.00	25.68	25.82	25.70	25.64	
3 662.50	25.76	25.76	25.77	25.76	

**CBRS NR 40 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C [5C]**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)	
0	QPSK	Low	3 585.00	4.54	8.50	13.04	20	23.04	30	
		Middle	3 625.00	4.60	8.50	13.10		23.10		
		High	3 665.00	4.62	8.50	13.12		23.12		
	16QAM	Low	3 585.00	4.47	8.50	12.97		22.97		
		Middle	3 625.00	4.74	8.50	13.24		23.24		
		High	3 665.00	4.59	8.50	13.09		23.09		
	64QAM	Low	3 585.00	4.44	8.50	12.94		22.94		
		Middle	3 625.00	4.43	8.50	12.93		22.93		
		High	3 665.00	4.53	8.50	13.03		23.03		
	256QAM	Low	3 585.00	4.62	8.50	13.12		23.12		
		Middle	3 625.00	4.45	8.50	12.95		22.95		
		High	3 665.00	4.60	8.50	13.10		23.10		
	1	QPSK	Low	3 585.00	4.44	8.50		12.94		22.94
			Middle	3 625.00	4.76	8.50		13.26		23.26
			High	3 665.00	4.68	8.50		13.18		23.18
16QAM		Low	3 585.00	4.58	8.50	13.08	23.08			
		Middle	3 625.00	4.50	8.50	13.00	23.00			
		High	3 665.00	4.39	8.50	12.89	22.89			
64QAM		Low	3 585.00	4.62	8.50	13.12	23.12			
		Middle	3 625.00	4.51	8.50	13.01	23.01			
		High	3 665.00	4.51	8.50	13.01	23.01			
256QAM	Low	3 585.00	4.30	8.50	12.80	22.80				
	Middle	3 625.00	4.59	8.50	13.09	23.09				
	High	3 665.00	4.65	8.50	13.15	23.15				

Note: 1C: 1 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 585.00	16.00	16.04	16.04	15.97	20
3 625.00	16.19	16.13	15.98	16.03	
3 665.00	16.16	16.00	16.03	16.14	

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 585.00	26.00	26.03	26.04	25.97	30
3 625.00	26.19	26.13	25.98	26.03	
3 665.00	26.16	26.00	26.03	26.14	

**CBRS NR 40 MHz 1C + NR 40 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C [5C]**

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	Low	3 597.50	3.15	8.50	11.65	20	21.65	30
		Middle	3 625.00	3.06	8.50	11.56		21.56	
		High	3 652.50	3.18	8.50	11.68		21.68	
	16QAM	Low	3 597.50	2.81	8.50	11.31		21.31	
		Middle	3 625.00	3.11	8.50	11.61		21.61	
		High	3 652.50	3.20	8.50	11.70		21.70	
	64QAM	Low	3 597.50	2.99	8.50	11.49		21.49	
		Middle	3 625.00	3.01	8.50	11.51		21.51	
		High	3 652.50	3.10	8.50	11.60		21.60	
	256QAM	Low	3 597.50	3.32	8.50	11.82		21.82	
		Middle	3 625.00	3.02	8.50	11.52		21.52	
		High	3 652.50	3.37	8.50	11.87		21.87	
1	QPSK	Low	3 597.50	2.95	8.50	11.45	21.45		
		Middle	3 625.00	3.04	8.50	11.54	21.54		
		High	3 652.50	3.23	8.50	11.73	21.73		
	16QAM	Low	3 597.50	2.95	8.50	11.45	21.45		
		Middle	3 625.00	2.94	8.50	11.44	21.44		
		High	3 652.50	3.26	8.50	11.76	21.76		
	64QAM	Low	3 597.50	2.92	8.50	11.42	21.42		
		Middle	3 625.00	2.87	8.50	11.37	21.37		
		High	3 652.50	3.08	8.50	11.58	21.58		
256QAM	Low	3 597.50	2.98	8.50	11.48	21.48			
	Middle	3 625.00	2.86	8.50	11.36	21.36			
	High	3 652.50	3.25	8.50	11.75	21.75			

Note: 1C: 1 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 597.50	14.56	14.39	14.47	14.66	20
3 625.00	14.56	14.54	14.45	14.45	
3 652.50	14.72	14.74	14.60	14.82	

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 597.50	24.57	24.39	24.47	24.67	30
3 625.00	24.56	24.53	24.45	24.45	
3 652.50	24.71	24.74	24.60	24.82	

**Tabular Data of Non-Contiguous PSD**
**CBRS NR(10 MHz 1C + 60 MHz 1C)[2C]**

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	3 555.00 + 3 670.00	4.88	8.50	13.38	20	23.38	30
	16QAM	3 555.00 + 3 670.00	4.71	8.50	13.21		23.21	
	64QAM	3 555.00 + 3 670.00	4.73	8.50	13.23		23.23	
	256QAM	3 555.00 + 3 670.00	4.36	8.50	12.86		22.86	
1	QPSK	3 555.00 + 3 670.00	4.79	8.50	13.29		23.29	
	16QAM	3 555.00 + 3 670.00	4.38	8.50	12.88		22.88	
	64QAM	3 555.00 + 3 670.00	4.46	8.50	12.96		22.96	
	256QAM	3 555.00 + 3 670.00	4.68	8.50	13.18		23.18	

Note: 1C: 1 Carrier, 2C: 2 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 555.00 + 3 670.00	16.35	16.06	16.11	16.03	20

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 555.00 + 3 670.00	26.34	26.06	26.11	26.04	30

**CBRS NR(60 MHz 1C + 10 MHz 1C)[2C]**

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	3 580.00 + 3 695.00	4.89	8.50	13.39	20	23.39	30
	16QAM	3 580.00 + 3 695.00	4.69	8.50	13.19		23.19	
	64QAM	3 580.00 + 3 695.00	4.92	8.50	13.42		23.42	
	256QAM	3 580.00 + 3 695.00	4.70	8.50	13.20		23.20	
1	QPSK	3 580.00 + 3 695.00	4.58	8.50	13.08		23.08	
	16QAM	3 580.00 + 3 695.00	4.64	8.50	13.14		23.14	
	64QAM	3 580.00 + 3 695.00	4.70	8.50	13.20		23.20	
	256QAM	3 580.00 + 3 695.00	4.73	8.50	13.23		23.23	

Note: 1C: 1 Carrier, 2C: 2 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 580.00 + 3 695.00	16.25	16.18	16.32	16.23	20

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 580.00 + 3 695.00	26.25	26.17	26.32	26.23	30

**CBRS NR(10 MHz 1C + 80 MHz 1C)[2C]**

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	3 555.00 + 3 660.00	3.76	8.50	12.26	20	22.26	30
	16QAM	3 555.00 + 3 660.00	3.75	8.50	12.25		22.25	
	64QAM	3 555.00 + 3 660.00	3.74	8.50	12.24		22.24	
	256QAM	3 555.00 + 3 660.00	3.67	8.50	12.17		22.17	
1	QPSK	3 555.00 + 3 660.00	3.62	8.50	12.12		22.12	
	16QAM	3 555.00 + 3 660.00	3.64	8.50	12.14		22.14	
	64QAM	3 555.00 + 3 660.00	3.70	8.50	12.20		22.20	
	256QAM	3 555.00 + 3 660.00	3.87	8.50	12.37		22.37	

Note: 1C: 1 Carrier, 2C: 2 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 555.00 + 3 660.00	15.20	15.21	15.23	15.28	20

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 555.00 + 3 660.00	25.20	25.21	25.23	25.28	30

**CBRS NR(80 MHz 1C + 10 MHz 1C)[2C]**

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	3 590.00 + 3 695.00	3.53	8.50	12.03	20	22.03	30
	16QAM	3 590.00 + 3 695.00	3.68	8.50	12.18		22.18	
	64QAM	3 590.00 + 3 695.00	3.57	8.50	12.07		22.07	
	256QAM	3 590.00 + 3 695.00	3.57	8.50	12.07		22.07	
1	QPSK	3 590.00 + 3 695.00	3.71	8.50	12.21		22.21	
	16QAM	3 590.00 + 3 695.00	3.66	8.50	12.16		22.16	
	64QAM	3 590.00 + 3 695.00	3.83	8.50	12.33		22.33	
	256QAM	3 590.00 + 3 695.00	3.72	8.50	12.22		22.22	

Note: 1C: 1 Carrier, 2C: 2 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 590.00 + 3 695.00	15.13	15.18	15.21	15.16	20

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 590.00 + 3 695.00	25.13	25.18	25.21	25.16	30

**CBRS LTE[5 MHz 1C + (5 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C)][5C(1C+4C)]**

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	Measured Value (dBm/8MHz)	E.I.R.P. (dBm/10MHz)	Limit (dBm/10MHz)
0	QPSK	3 552.50+3 690.00	7.54	8.50	16.04	20	16.66	26.13	30
	16QAM	3 552.50+3 690.00	7.59	8.50	16.09		16.61	26.08	
	64QAM	3 552.50+3 690.00	7.57	8.50	16.07		16.41	25.88	
	256QAM	3 552.50+3 690.00	7.46	8.50	15.96		16.60	26.06	
	1024QAM	3 552.50+3 690.00	7.42	8.50	15.92		16.60	26.07	
1	QPSK	3 552.50+3 690.00	7.38	8.50	15.88		16.69	26.15	
	16QAM	3 552.50+3 690.00	7.65	8.50	16.15		16.76	26.22	
	64QAM	3 552.50+3 690.00	7.53	8.50	16.03		16.67	26.13	
	256QAM	3 552.50+3 690.00	7.27	8.50	15.77		16.57	26.04	
	1024QAM	3 552.50+3 690.00	7.21	8.50	15.71		16.52	25.99	

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD					Limit
	QPSK	16QAM	64QAM	256QAM	1024QAM	
	(dBm/MHz)					
3 552.50 + 3 690.00	18.97	19.13	19.06	18.88	18.82	20

Frequency (MHz)	E.I.R.P.					Limit
	QPSK	16QAM	64QAM	256QAM	1024QAM	
	(dBm/10 MHz)					
3 552.50 + 3 690.00	29.15	29.16	29.02	29.06	29.04	30

**CBRS LTE[(5 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C) + 5 MHz 1C][5C(4C+1C)]**

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	Measured Value (dBm/8MHz)	E.I.R.P. (dBm/10MHz)	Limit (dBm/10MHz)
0	QPSK	3 560.00+3 697.50	7.48	8.50	15.98	20	16.84	26.31	30
	16QAM	3 560.00+3 697.50	7.60	8.50	16.10		16.68	26.15	
	64QAM	3 560.00+3 697.50	7.36	8.50	15.86		16.54	26.01	
	256QAM	3 560.00+3 697.50	7.30	8.50	15.80		16.55	26.02	
	1024QAM	3 560.00+3 697.50	7.12	8.50	15.62		16.69	26.15	
1	QPSK	3 560.00+3 697.50	7.51	8.50	16.01		16.52	25.99	
	16QAM	3 560.00+3 697.50	7.37	8.50	15.87		16.64	26.11	
	64QAM	3 560.00+3 697.50	7.33	8.50	15.83		16.52	25.99	
	256QAM	3 560.00+3 697.50	7.29	8.50	15.79		16.56	26.03	
	1024QAM	3 560.00+3 697.50	7.25	8.50	15.75		16.45	25.92	

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD					Limit
	QPSK	16QAM	64QAM	256QAM	1024QAM	
	(dBm/MHz)					
3 560.00 + 3 697.50	19.01	19.00	18.85	18.81	18.70	20

Frequency (MHz)	E.I.R.P.					Limit
	QPSK	16QAM	64QAM	256QAM	1024QAM	
	(dBm/10 MHz)					
3 560.00 + 3 697.50	29.17	29.14	29.06	29.03	29.05	30

**CBRS LTE[5 MHz 1C + (5 MHz 1C + 5 MHz 1C + 5 MHz 1C + 20 MHz 1C)][5C(1C+4C)]**

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	3 552.50 + 3 682.50	7.01	8.50	15.51	20	25.51	30
	16QAM	3 552.50 + 3 682.50	7.03	8.50	15.53		25.53	
	64QAM	3 552.50 + 3 682.50	7.04	8.50	15.54		25.54	
	256QAM	3 552.50 + 3 682.50	7.00	8.50	15.50		25.50	
	1024QAM	3 552.50 + 3 682.50	6.82	8.50	15.32		25.32	
1	QPSK	3 552.50 + 3 682.50	7.23	8.50	15.73		25.73	
	16QAM	3 552.50 + 3 682.50	6.92	8.50	15.42		25.42	
	64QAM	3 552.50 + 3 682.50	7.03	8.50	15.53		25.53	
	256QAM	3 552.50 + 3 682.50	7.30	8.50	15.80		25.80	
	1024QAM	3 552.50 + 3 682.50	7.47	8.50	15.97		25.97	

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD					Limit
	QPSK	16QAM	64QAM	256QAM	1024QAM	
	(dBm/MHz)					
3 552.50 + 3 682.50	18.63	18.49	18.55	18.66	18.67	20

Frequency (MHz)	E.I.R.P.					Limit
	QPSK	16QAM	64QAM	256QAM	1024QAM	
	(dBm/10 MHz)					
3 552.50 + 3 682.50	28.43	28.64	28.49	28.52	28.58	30

**CBRS LTE[(20 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C) + 5 MHz 1C][5C(4C+1C)]**

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	3 567.50 + 3 697.50	6.75	8.50	15.25	20	25.25	30
	16QAM	3 567.50 + 3 697.50	6.50	8.50	15.00		25.00	
	64QAM	3 567.50 + 3 697.50	6.59	8.50	15.09		25.09	
	256QAM	3 567.50 + 3 697.50	6.70	8.50	15.20		25.20	
	1024QAM	3 567.50 + 3 697.50	6.61	8.50	15.11		25.11	
1	QPSK	3 567.50 + 3 697.50	6.49	8.50	14.99		24.99	
	16QAM	3 567.50 + 3 697.50	6.65	8.50	15.15		25.15	
	64QAM	3 567.50 + 3 697.50	6.38	8.50	14.88		24.88	
	256QAM	3 567.50 + 3 697.50	6.87	8.50	15.37		25.37	
	1024QAM	3 567.50 + 3 697.50	6.43	8.50	14.93		24.93	

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD					Limit
	QPSK	16QAM	64QAM	256QAM	1024QAM	
	(dBm/MHz)					
3 567.50 + 3 697.50	18.13	18.09	18.00	18.30	18.03	20

Frequency (MHz)	E.I.R.P.					Limit
	QPSK	16QAM	64QAM	256QAM	1024QAM	
	(dBm/10 MHz)					
3 567.50 + 3 697.50	28.19	28.00	28.13	28.05	28.25	30

**CBRS LTE[20 MHz 1C + (20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C)][5C(1C+4C)]**

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	3 560.00 + 3 660.00	3.07	8.50	11.57	20	21.57	30
	16QAM	3 560.00 + 3 660.00	2.94	8.50	11.44		21.44	
	64QAM	3 560.00 + 3 660.00	3.10	8.50	11.60		21.60	
	256QAM	3 560.00 + 3 660.00	2.98	8.50	11.48		21.48	
	1024QAM	3 560.00 + 3 660.00	3.01	8.50	11.51		21.51	
1	QPSK	3 560.00 + 3 660.00	2.99	8.50	11.49		21.49	
	16QAM	3 560.00 + 3 660.00	2.91	8.50	11.41		21.41	
	64QAM	3 560.00 + 3 660.00	2.94	8.50	11.44		21.44	
	256QAM	3 560.00 + 3 660.00	3.09	8.50	11.59		21.59	
	1024QAM	3 560.00 + 3 660.00	2.86	8.50	11.36		21.36	

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD					Limit
	QPSK	16QAM	64QAM	256QAM	1024QAM	
3 560.00 + 3 660.00	14.54	14.44	14.53	14.55	14.45	20

Frequency (MHz)	E.I.R.P.					Limit
	QPSK	16QAM	64QAM	256QAM	1024QAM	
3 560.00 + 3 660.00	24.55	24.47	24.52	24.47	24.56	30

**CBRS LTE[(20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C) + 20 MHz 1C][5C(4C+1C)]**

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	3 590.00 + 3 690.00	2.67	8.50	11.17	20	21.17	30
	16QAM	3 590.00 + 3 690.00	2.61	8.50	11.11		21.11	
	64QAM	3 590.00 + 3 690.00	2.82	8.50	11.32		21.32	
	256QAM	3 590.00 + 3 690.00	2.73	8.50	11.23		21.23	
	1024QAM	3 590.00 + 3 690.00	3.14	8.50	11.64		21.64	
1	QPSK	3 590.00 + 3 690.00	2.64	8.50	11.14		21.14	
	16QAM	3 590.00 + 3 690.00	2.69	8.50	11.19		21.19	
	64QAM	3 590.00 + 3 690.00	2.75	8.50	11.25		21.25	
	256QAM	3 590.00 + 3 690.00	2.78	8.50	11.28		21.28	
	1024QAM	3 590.00 + 3 690.00	2.76	8.50	11.26		21.26	

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD					Limit
	QPSK	16QAM	64QAM	256QAM	1024QAM	
	(dBm/MHz)					
3 590.00 + 3 690.00	14.17	14.16	14.30	14.27	14.46	20

Frequency (MHz)	E.I.R.P.					Limit
	QPSK	16QAM	64QAM	256QAM	1024QAM	
	(dBm/10 MHz)					
3 590.00 + 3 690.00	24.42	24.14	24.27	24.25	24.47	30

**CBRS NR[10 MHz 1C + (10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C)][5C(1C+4C)]**

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	3 555.00 + 3 680.00	5.86	8.50	14.36	20	24.36	30
	16QAM	3 555.00 + 3 680.00	5.84	8.50	14.34		24.34	
	64QAM	3 555.00 + 3 680.00	5.78	8.50	14.28		24.28	
	256QAM	3 555.00 + 3 680.00	5.52	8.50	14.02		24.02	
1	QPSK	3 555.00 + 3 680.00	5.73	8.50	14.23		24.23	
	16QAM	3 555.00 + 3 680.00	5.79	8.50	14.29		24.29	
	64QAM	3 555.00 + 3 680.00	5.65	8.50	14.15		24.15	
	256QAM	3 555.00 + 3 680.00	5.86	8.50	14.36		24.36	

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 555.00 + 3 680.00	17.31	17.33	17.23	17.20	20

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 555.00 + 3 680.00	27.31	27.32	27.22	27.20	30

**CBRS NR[(10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C) + 10 MHz 1C][5C(4C+1C)]**

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	3 570.00 + 3 695.00	6.92	8.50	15.42	20	25.42	30
	16QAM	3 570.00 + 3 695.00	6.50	8.50	15.00		25.00	
	64QAM	3 570.00 + 3 695.00	6.81	8.50	15.31		25.31	
	256QAM	3 570.00 + 3 695.00	6.91	8.50	15.41		25.41	
1	QPSK	3 570.00 + 3 695.00	5.92	8.50	14.42		24.42	
	16QAM	3 570.00 + 3 695.00	5.90	8.50	14.40		24.40	
	64QAM	3 570.00 + 3 695.00	5.53	8.50	14.03		24.03	
	256QAM	3 570.00 + 3 695.00	5.59	8.50	14.09		24.09	

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 570.00 + 3 695.00	17.96	17.72	17.73	17.81	20

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 570.00 + 3 695.00	27.96	27.72	27.73	27.81	30

**CBRS NR[10 MHz 1C + (10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 40 MHz 1C)][5C(1C+4C)]**

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	3 555.00 + 3 665.00	4.06	8.50	12.56	20	22.56	30
	16QAM	3 555.00 + 3 665.00	4.27	8.50	12.77		22.77	
	64QAM	3 555.00 + 3 665.00	4.22	8.50	12.72		22.72	
	256QAM	3 555.00 + 3 665.00	4.25	8.50	12.75		22.75	
1	QPSK	3 555.00 + 3 665.00	4.12	8.50	12.62		22.62	
	16QAM	3 555.00 + 3 665.00	4.25	8.50	12.75		22.75	
	64QAM	3 555.00 + 3 665.00	4.00	8.50	12.50		22.50	
	256QAM	3 555.00 + 3 665.00	4.07	8.50	12.57		22.57	

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 555.00 + 3 665.00	15.60	15.77	15.62	15.67	20

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 555.00 + 3 665.00	25.60	25.77	25.63	25.67	30

**CBRS NR[(40 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C) + 10 MHz 1C][5C(4C+1C)]**

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	3 585.00 + 3 695.00	3.89	8.50	12.39	20	22.39	30
	16QAM	3 585.00 + 3 695.00	3.78	8.50	12.28		22.28	
	64QAM	3 585.00 + 3 695.00	3.77	8.50	12.27		22.27	
	256QAM	3 585.00 + 3 695.00	3.78	8.50	12.28		22.28	
1	QPSK	3 585.00 + 3 695.00	4.30	8.50	12.80		22.80	
	16QAM	3 585.00 + 3 695.00	4.37	8.50	12.87		22.87	
	64QAM	3 585.00 + 3 695.00	4.06	8.50	12.56		22.56	
	256QAM	3 585.00 + 3 695.00	4.11	8.50	12.61		22.61	

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 585.00 + 3 695.00	15.61	15.60	15.43	15.46	20

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 585.00 + 3 695.00	25.61	25.60	25.43	25.46	30

**CBRS NR[10 MHz 1C + (10 MHz 1C + 10 MHz 1C + 30 MHz 1C + 40 MHz 1C)][5C(1C+4C)]**

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	3 555.00 + 3 655.00	3.03	8.50	11.53	20	21.53	30
	16QAM	3 555.00 + 3 655.00	2.65	8.50	11.15		21.15	
	64QAM	3 555.00 + 3 655.00	2.85	8.50	11.35		21.35	
	256QAM	3 555.00 + 3 655.00	2.92	8.50	11.42		21.42	
1	QPSK	3 555.00 + 3 655.00	2.79	8.50	11.29		21.29	
	16QAM	3 555.00 + 3 655.00	2.80	8.50	11.30		21.30	
	64QAM	3 555.00 + 3 655.00	2.96	8.50	11.46		21.46	
	256QAM	3 555.00 + 3 655.00	3.19	8.50	11.69		21.69	

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 555.00 + 3 655.00	14.42	14.24	14.42	14.57	20

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 555.00 + 3 655.00	24.42	24.23	24.42	24.57	30

**CBRS NR[(40 MHz 1C + 30 MHz 1C + 10 MHz 1C + 10 MHz 1C) + 10 MHz 1C][5C(4C+1C)]**

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	3 595.00 + 3 695.00	2.61	8.50	11.11	20	21.11	30
	16QAM	3 595.00 + 3 695.00	2.54	8.50	11.04		21.04	
	64QAM	3 595.00 + 3 695.00	2.74	8.50	11.24		21.24	
	256QAM	3 595.00 + 3 695.00	2.94	8.50	11.44		21.44	
1	QPSK	3 595.00 + 3 695.00	3.27	8.50	11.77		21.77	
	16QAM	3 595.00 + 3 695.00	3.07	8.50	11.57		21.57	
	64QAM	3 595.00 + 3 695.00	3.01	8.50	11.51		21.51	
	256QAM	3 595.00 + 3 695.00	3.22	8.50	11.72		21.72	

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 595.00 + 3 695.00	14.46	14.32	14.39	14.59	20

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 595.00 + 3 695.00	24.46	24.32	24.39	24.59	30

**CBRS NR[60 MHz 1C + (10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C)][5C(1C+4C)]**

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	3 580.00 + 3 680.00	3.09	8.50	11.59	20	21.59	30
	16QAM	3 580.00 + 3 680.00	2.93	8.50	11.43		21.43	
	64QAM	3 580.00 + 3 680.00	2.80	8.50	11.30		21.30	
	256QAM	3 580.00 + 3 680.00	2.84	8.50	11.34		21.34	
1	QPSK	3 580.00 + 3 680.00	2.81	8.50	11.31		21.31	
	16QAM	3 580.00 + 3 680.00	2.90	8.50	11.40		21.40	
	64QAM	3 580.00 + 3 680.00	3.09	8.50	11.59		21.59	
	256QAM	3 580.00 + 3 680.00	2.90	8.50	11.40		21.40	

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 580.00 + 3 680.00	14.46	14.43	14.46	14.38	20

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10MHz)				
3 580.00 + 3 680.00	24.46	24.43	24.46	24.38	30

**CBRS NR[(10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C) + 60 MHz 1C][5C(4C+1C)]**

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	3 570.00 + 3 670.00	2.92	8.50	11.42	20	21.42	30
	16QAM	3 570.00 + 3 670.00	2.85	8.50	11.35		21.35	
	64QAM	3 570.00 + 3 670.00	2.92	8.50	11.42		21.42	
	256QAM	3 570.00 + 3 670.00	2.90	8.50	11.40		21.40	
1	QPSK	3 570.00 + 3 670.00	2.90	8.50	11.40		21.40	
	16QAM	3 570.00 + 3 670.00	3.03	8.50	11.53		21.53	
	64QAM	3 570.00 + 3 670.00	2.89	8.50	11.39		21.39	
	256QAM	3 570.00 + 3 670.00	2.94	8.50	11.44		21.44	

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 570.00 + 3 670.00	14.42	14.45	14.42	14.43	20

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10MHz)				
3 570.00 + 3 670.00	24.42	24.45	24.42	24.43	30

**CBRS NR 60 MHz 1C + (NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 10 MHz 1C)[5C(1C+4C)]**

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)		
0	QPSK	3 580.00 + 3 680.00	3.17	8.50	11.67	20	21.67	30		
	16QAM	3 580.00 + 3 680.00	2.95	8.50	11.45		21.45			
	64QAM	3 580.00 + 3 680.00	2.90	8.50	11.40		21.40			
	256QAM	3 580.00 + 3 680.00	2.89	8.50	11.39		21.39			
1	QPSK	3 580.00 + 3 680.00	2.72	8.50	11.22		20		21.22	30
	16QAM	3 580.00 + 3 680.00	2.89	8.50	11.39				21.39	
	64QAM	3 580.00 + 3 680.00	2.88	8.50	11.38				21.38	
	256QAM	3 580.00 + 3 680.00	2.86	8.50	11.36				21.36	

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 580.00 + 3 680.00	14.46	14.43	14.40	14.39	20

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10MHz)				
3 580.00 + 3 680.00	24.46	24.43	24.40	24.39	30

**CBRS (LTE 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C) + NR 60 MHz 1C [5C(4C+1C)]**

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	3 570.00 + 3 670.00	2.89	8.50	11.39	20	21.39	30
	16QAM	3 570.00 + 3 670.00	2.91	8.50	11.41		21.41	
	64QAM	3 570.00 + 3 670.00	2.92	8.50	11.42		21.42	
	256QAM	3 570.00 + 3 670.00	2.87	8.50	11.37		21.37	
1	QPSK	3 570.00 + 3 670.00	2.88	8.50	11.38		21.38	
	16QAM	3 570.00 + 3 670.00	2.89	8.50	11.39		21.39	
	64QAM	3 570.00 + 3 670.00	2.94	8.50	11.44		21.44	
	256QAM	3 570.00 + 3 670.00	2.91	8.50	11.41		21.41	

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 570.00 + 3 670.00	14.40	14.41	14.44	14.40	20

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10MHz)				
3 570.00 + 3 670.00	24.40	24.41	24.44	24.40	30

**CBRS LTE 5 MHz 1C + (LTE 5 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C) [5C(1C+4C)]**

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	3 552.50 + 3 682.50	7.05	8.50	15.55	20	25.55	30
	16QAM	3 552.50 + 3 682.50	6.81	8.50	15.31		25.31	
	64QAM	3 552.50 + 3 682.50	7.01	8.50	15.51		25.51	
	256QAM	3 552.50 + 3 682.50	6.96	8.50	15.46		25.46	
1	QPSK	3 552.50 + 3 682.50	7.17	8.50	15.67		25.67	
	16QAM	3 552.50 + 3 682.50	7.06	8.50	15.56		25.56	
	64QAM	3 552.50 + 3 682.50	7.08	8.50	15.58		25.58	
	256QAM	3 552.50 + 3 682.50	6.91	8.50	15.41		25.41	

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 552.50 + 3 682.50	18.62	18.45	18.56	18.45	20

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 552.50 + 3 682.50	28.62	28.45	28.56	28.45	30

**CBRS (NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 5 MHz 1C) + LTE 5 MHz 1C [5C(4C+1C)]**

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	3 567.50 + 3 697.50	6.90	8.50	15.40	20	25.40	30
	16QAM	3 567.50 + 3 697.50	7.09	8.50	15.59		25.59	
	64QAM	3 567.50 + 3 697.50	7.06	8.50	15.56		25.56	
	256QAM	3 567.50 + 3 697.50	7.22	8.50	15.72		25.72	
1	QPSK	3 567.50 + 3 697.50	7.05	8.50	15.55		25.55	
	16QAM	3 567.50 + 3 697.50	6.83	8.50	15.33		25.33	
	64QAM	3 567.50 + 3 697.50	7.16	8.50	15.66		25.66	
	256QAM	3 567.50 + 3 697.50	7.11	8.50	15.61		25.61	

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 567.50 + 3 697.50	18.49	18.47	18.62	18.68	20

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 567.50 + 3 697.50	28.49	28.47	28.62	28.67	30

**CBRS LTE 5 MHz 1C + (NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 40 MHz 1C) [5C(1C+4C)]**

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	3 552.50 + 3 665.00	4.17	8.50	12.67	20	22.67	30
	16QAM	3 552.50 + 3 665.00	4.18	8.50	12.68		22.68	
	64QAM	3 552.50 + 3 665.00	4.25	8.50	12.75		22.75	
	256QAM	3 552.50 + 3 665.00	4.05	8.50	12.55		22.55	
1	QPSK	3 552.50 + 3 665.00	4.15	8.50	12.65		22.65	
	16QAM	3 552.50 + 3 665.00	4.07	8.50	12.57		22.57	
	64QAM	3 552.50 + 3 665.00	3.99	8.50	12.49		22.49	
	256QAM	3 552.50 + 3 665.00	4.20	8.50	12.70		22.70	

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 552.50 + 3 665.00	15.67	15.64	15.63	15.64	20

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 552.50 + 3 665.00	25.67	25.64	25.63	25.64	30

**CBRS (NR 40 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C) + LTE 5 MHz 1C [5C(4C+1C)]**

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	3 585.00 + 3 697.50	3.97	8.50	12.47	20	22.47	30
	16QAM	3 585.00 + 3 697.50	3.94	8.50	12.44		22.44	
	64QAM	3 585.00 + 3 697.50	4.03	8.50	12.53		22.53	
	256QAM	3 585.00 + 3 697.50	4.19	8.50	12.69		22.69	
1	QPSK	3 585.00 + 3 697.50	4.02	8.50	12.52		22.52	
	16QAM	3 585.00 + 3 697.50	4.05	8.50	12.55		22.55	
	64QAM	3 585.00 + 3 697.50	3.98	8.50	12.48		22.48	
	256QAM	3 585.00 + 3 697.50	3.97	8.50	12.47		22.47	

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 585.00 + 3 697.50	15.51	15.51	15.52	15.59	20

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 585.00 + 3 697.50	25.51	25.50	25.51	25.59	30

**CBRS LTE 5 MHz 1C + (LTE 5 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 40 MHz 1C) [5C(1C+4C)]**

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	3 552.50 + 3 667.50	4.93	8.50	13.43	20	23.43	30
	16QAM	3 552.50 + 3 667.50	4.66	8.50	13.16		23.16	
	64QAM	3 552.50 + 3 667.50	4.68	8.50	13.18		23.18	
	256QAM	3 552.50 + 3 667.50	4.81	8.50	13.31		23.31	
1	QPSK	3 552.50 + 3 667.50	4.81	8.50	13.31		23.31	
	16QAM	3 552.50 + 3 667.50	4.87	8.50	13.37		23.37	
	64QAM	3 552.50 + 3 667.50	4.96	8.50	13.46		23.46	
	256QAM	3 552.50 + 3 667.50	4.73	8.50	13.23		23.23	

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 552.50 + 3 667.50	16.38	16.28	16.33	16.28	20

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 552.50 + 3 667.50	26.38	26.28	26.33	26.28	30

**CBRS (NR 40 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 5 MHz 1C) + LTE 5 MHz 1C [5C(4C+1C)]**

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	3 582.50 + 3 697.50	4.52	8.50	13.02	20	23.02	30
	16QAM	3 582.50 + 3 697.50	4.69	8.50	13.19		23.19	
	64QAM	3 582.50 + 3 697.50	4.31	8.50	12.81		22.81	
	256QAM	3 582.50 + 3 697.50	4.56	8.50	13.06		23.06	
1	QPSK	3 582.50 + 3 697.50	4.52	8.50	13.02		23.02	
	16QAM	3 582.50 + 3 697.50	4.51	8.50	13.01		23.01	
	64QAM	3 582.50 + 3 697.50	4.48	8.50	12.98		22.98	
	256QAM	3 582.50 + 3 697.50	4.56	8.50	13.06		23.06	

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 582.50 + 3 697.50	16.03	16.11	15.91	16.07	20

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 582.50 + 3 697.50	26.03	26.11	25.91	26.07	30

**CBRS LTE 5 MHz 1C + (LTE 5 MHz 1C + LTE 5 MHz 1C + NR 40 MHz 1C + NR 40 MHz 1C) [5C(1C+4C)]**

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	3 552.50 + 3 655.00	2.86	8.50	11.36	20	21.36	30
	16QAM	3 552.50 + 3 655.00	2.89	8.50	11.39		21.39	
	64QAM	3 552.50 + 3 655.00	2.84	8.50	11.34		21.34	
	256QAM	3 552.50 + 3 655.00	3.16	8.50	11.66		21.66	
1	QPSK	3 552.50 + 3 655.00	2.95	8.50	11.45		21.45	
	16QAM	3 552.50 + 3 655.00	2.90	8.50	11.40		21.40	
	64QAM	3 552.50 + 3 655.00	2.78	8.50	11.28		21.28	
	256QAM	3 552.50 + 3 655.00	3.02	8.50	11.52		21.52	

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 552.50 + 3 655.00	14.42	14.41	14.32	14.60	20

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 552.50 + 3 655.00	24.41	24.41	24.32	24.60	30

**CBRS (NR 40 MHz 1C + NR 40 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C) + LTE 5 MHz 1C [5C(4C+1C)]**

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Ant. Gain (dBi)	PSD (dBm/MHz)	Limit (dBm/MHz)	E.I.R.P. (dBm/10 MHz)	Limit (dBm/10MHz)
0	QPSK	3 595.00 + 3 697.50	2.97	8.50	11.47	20	21.47	30
	16QAM	3 595.00 + 3 697.50	2.91	8.50	11.41		21.41	
	64QAM	3 595.00 + 3 697.50	3.26	8.50	11.76		21.76	
	256QAM	3 595.00 + 3 697.50	2.93	8.50	11.43		21.43	
1	QPSK	3 595.00 + 3 697.50	3.00	8.50	11.50		21.50	
	16QAM	3 595.00 + 3 697.50	3.12	8.50	11.62		21.62	
	64QAM	3 595.00 + 3 697.50	3.10	8.50	11.60		21.60	
	256QAM	3 595.00 + 3 697.50	3.06	8.50	11.56		21.56	

Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

**Sum Data of Port 0 and Port 1**

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/MHz)				
3 595.00 + 3 697.50	14.50	14.53	14.69	14.51	20

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	(dBm/10 MHz)				
3 595.00 + 3 697.50	24.49	24.53	24.69	24.50	30

Plot Data of PSD

Antenna 1 / CBRS LTE 5 MHz 1 Carrier / 16QAM / Low



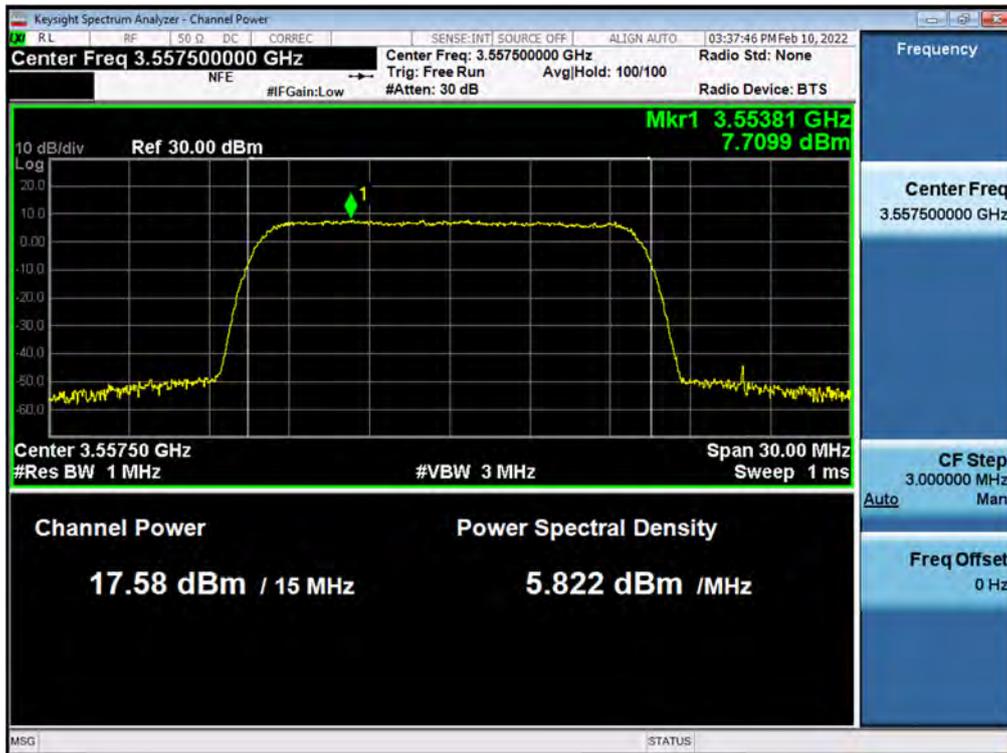
Antenna 1 / CBRS LTE 10 MHz 1 Carrier / 16QAM / High / PSD



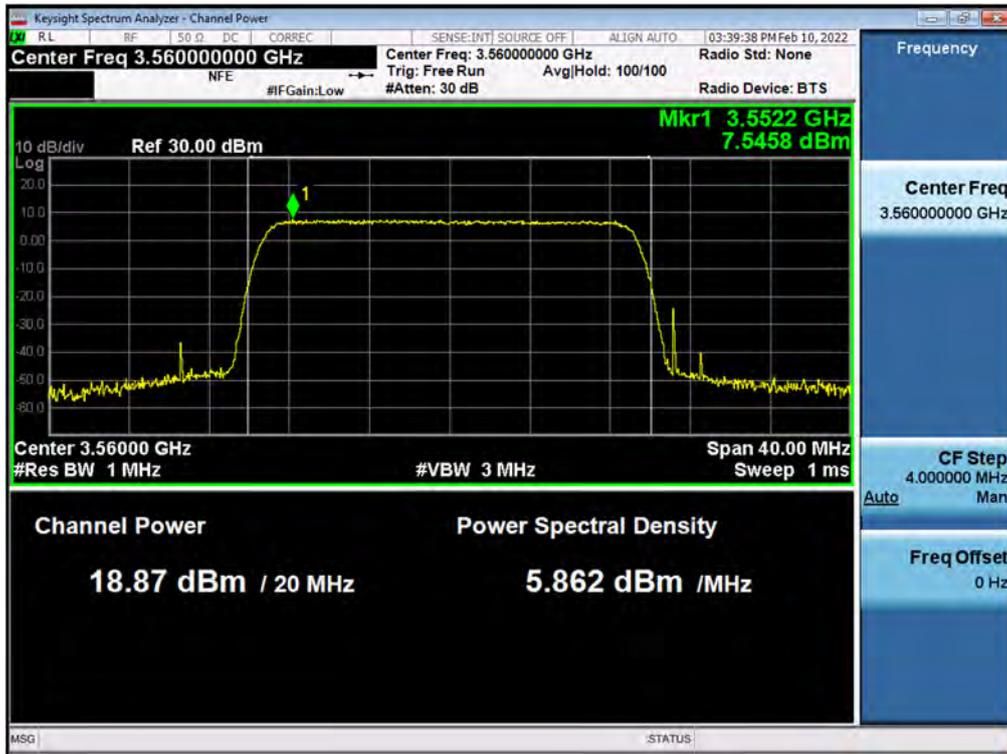
Antenna 1 / CBRS LTE 10 MHz 1 Carrier / 16QAM / High / E.I.R.P



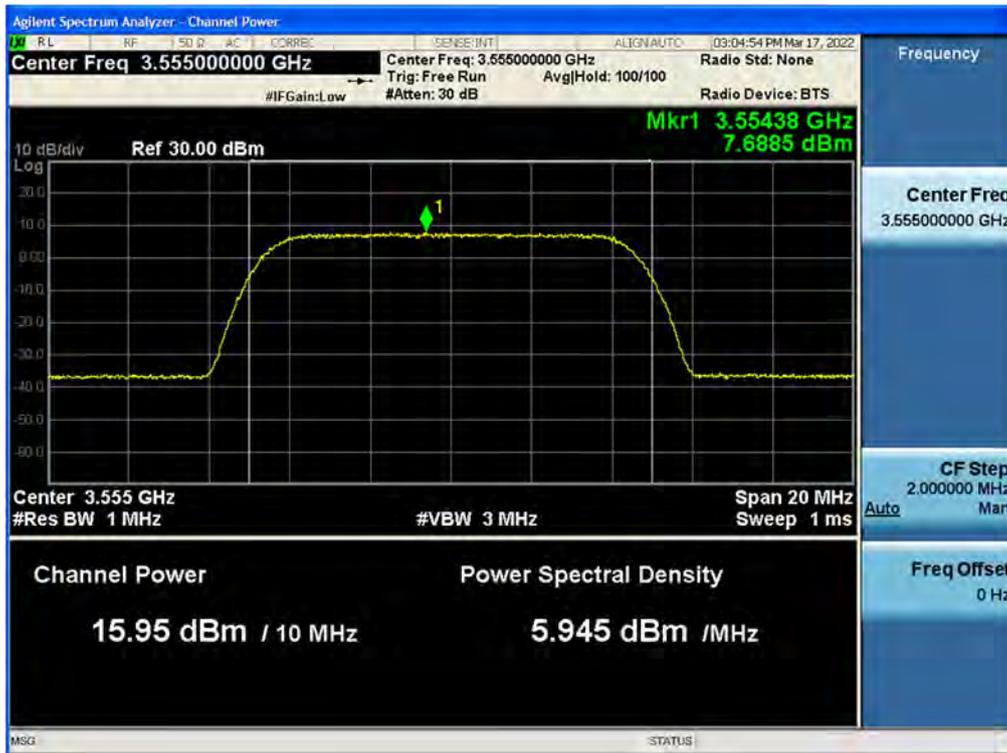
Antenna 0 / CBRS LTE 15 MHz 1 Carrier / QPSK / Low / PSD



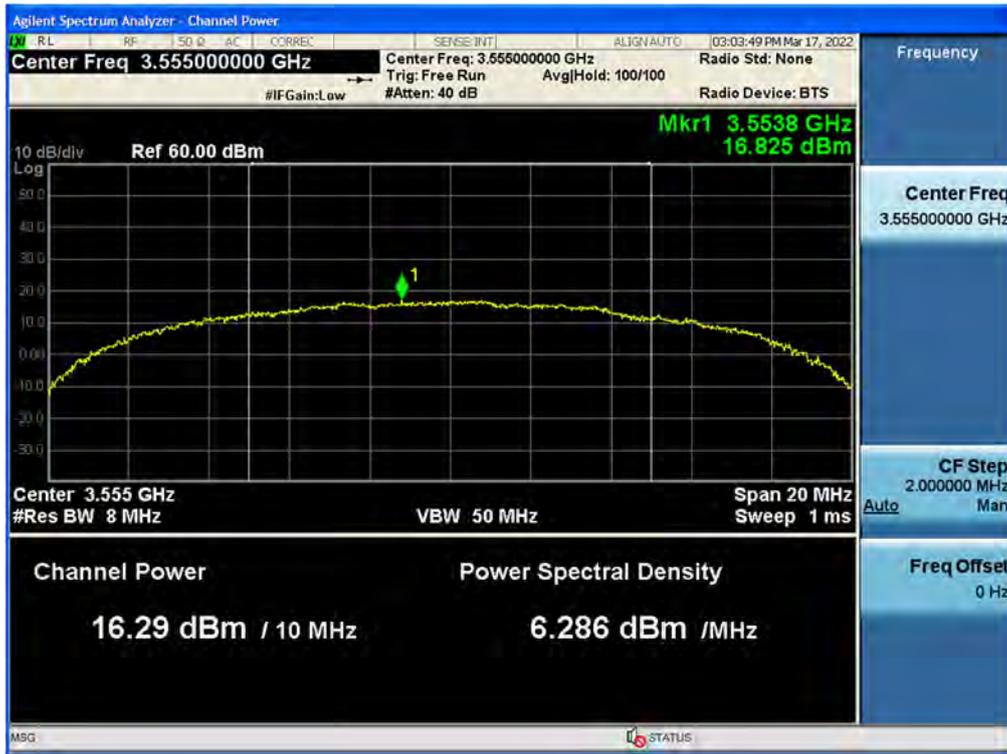
## Antenna 0 / CBRS LTE 20 MHz 1 Carrier / 256QAM / Low / PSD



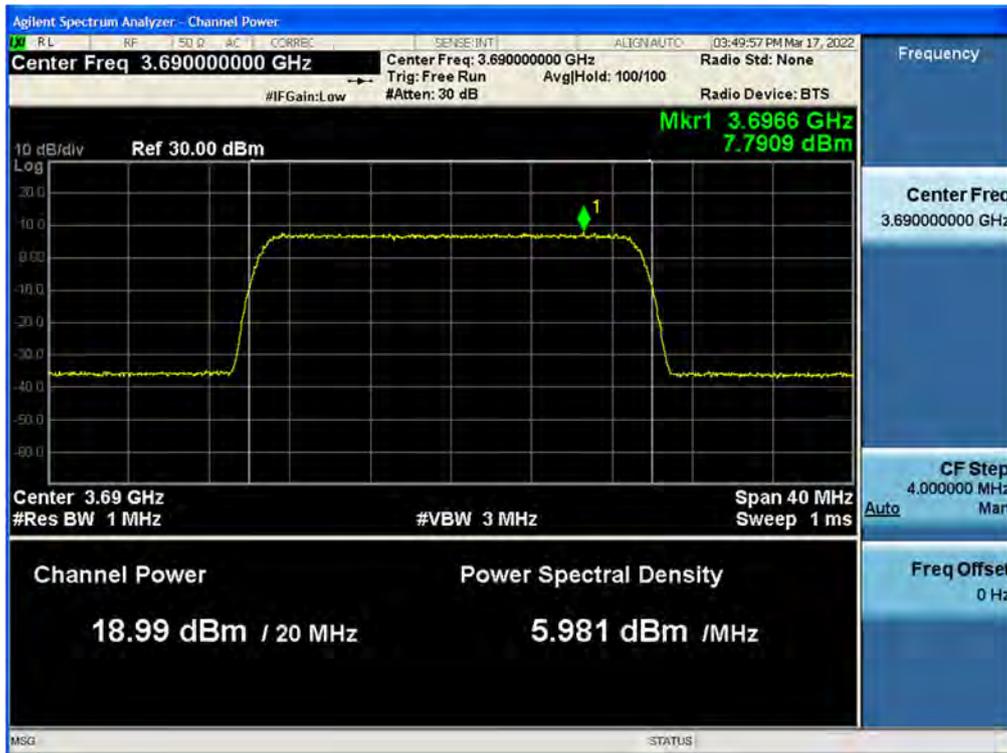
## Antenna 1 / CBRS NR 10 MHz 1 Carrier / QPSK / Low / PSD



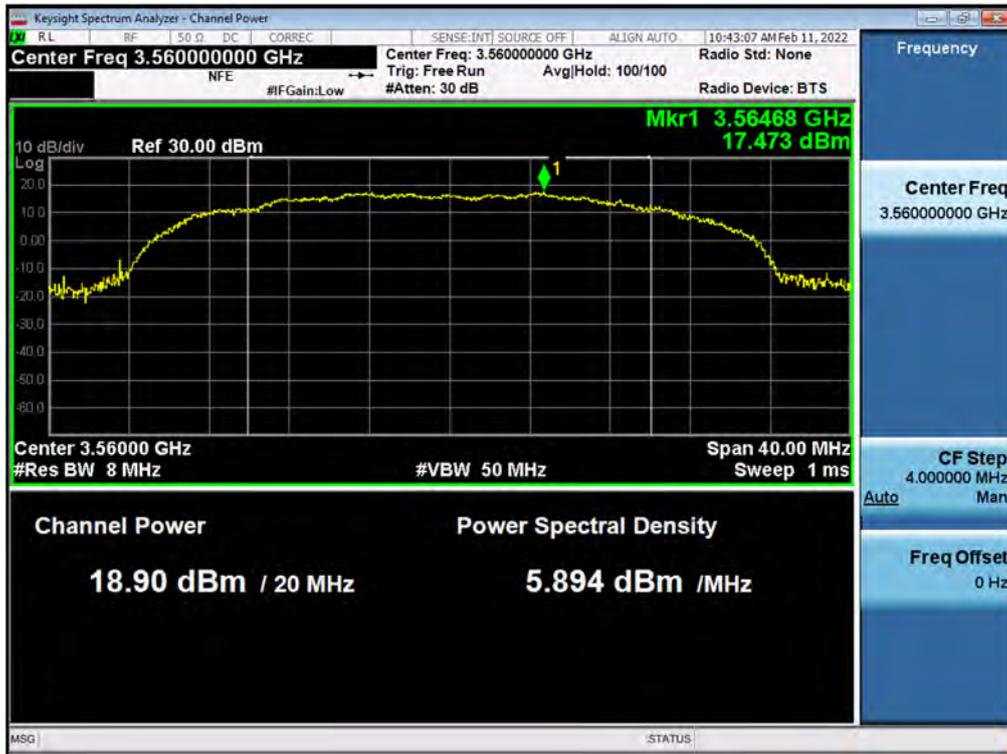
Antenna 1 / CBRS NR 10 MHz 1 Carrier / QPSK / Low / E.I.R.P.



Antenna 0 / CBRS NR 20 MHz 1 Carrier / 16QAM / Low / PSD



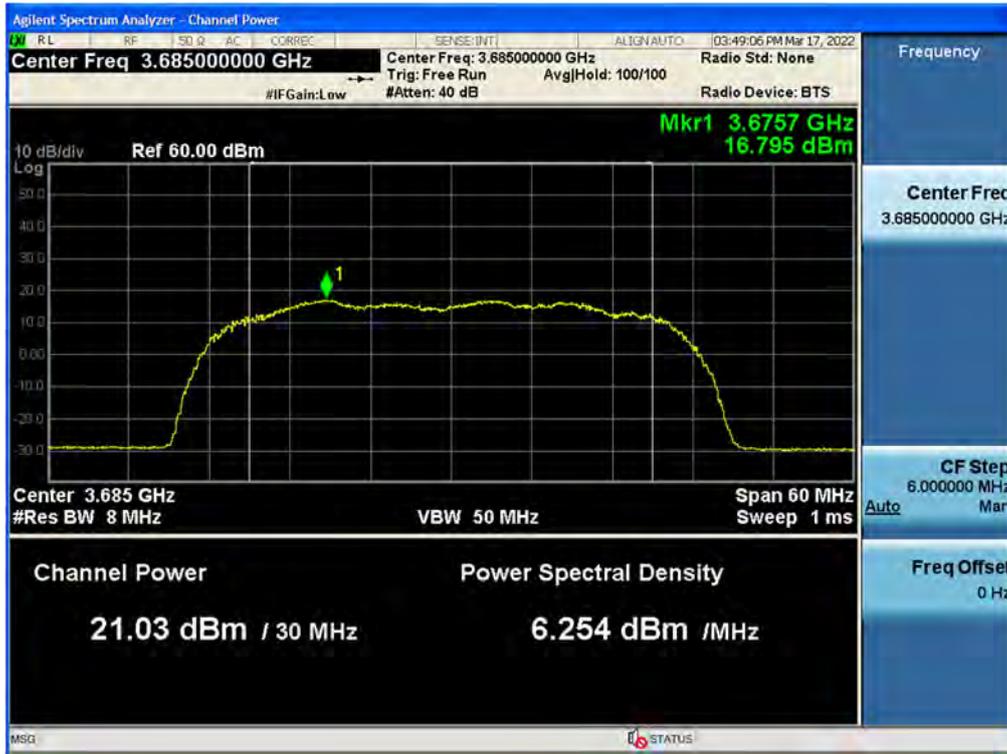
Antenna 0 / CBRS NR 20 MHz 1 Carrier / 16QAM / Low / E.I.R.P.



Antenna 1 / CBRS NR 30 MHz 1 Carrier / 16QAM / High / PSD



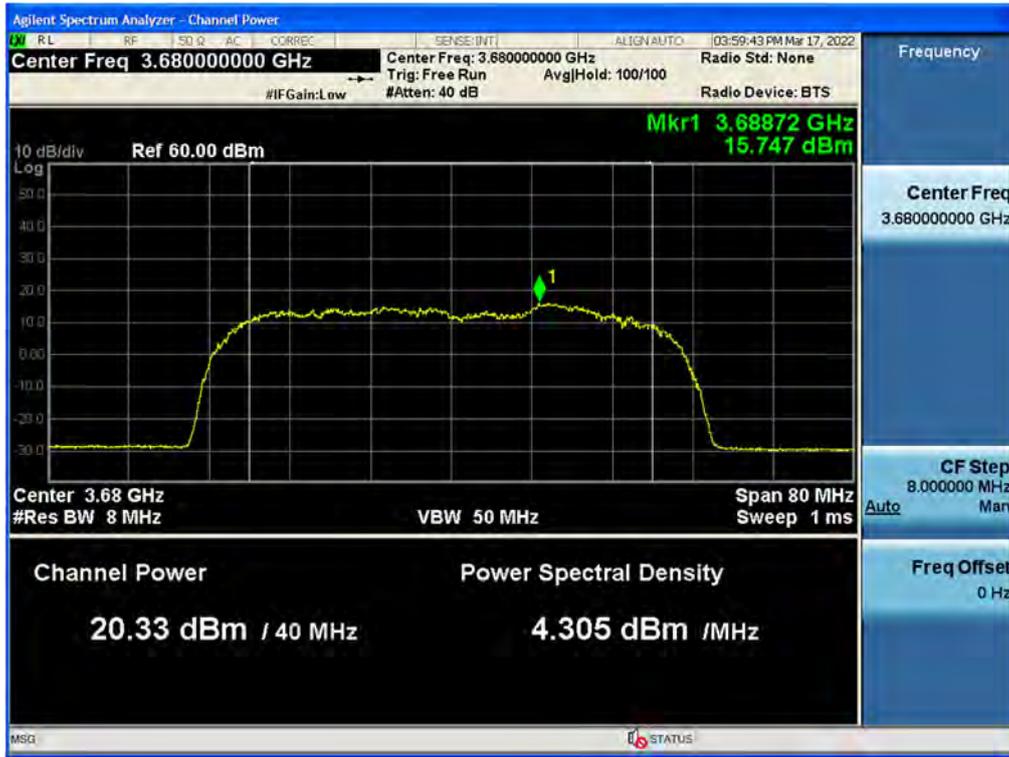
## Antenna 1 / CBRS NR 30 MHz 1 Carrier / 16QAM / High / E.I.R.P.



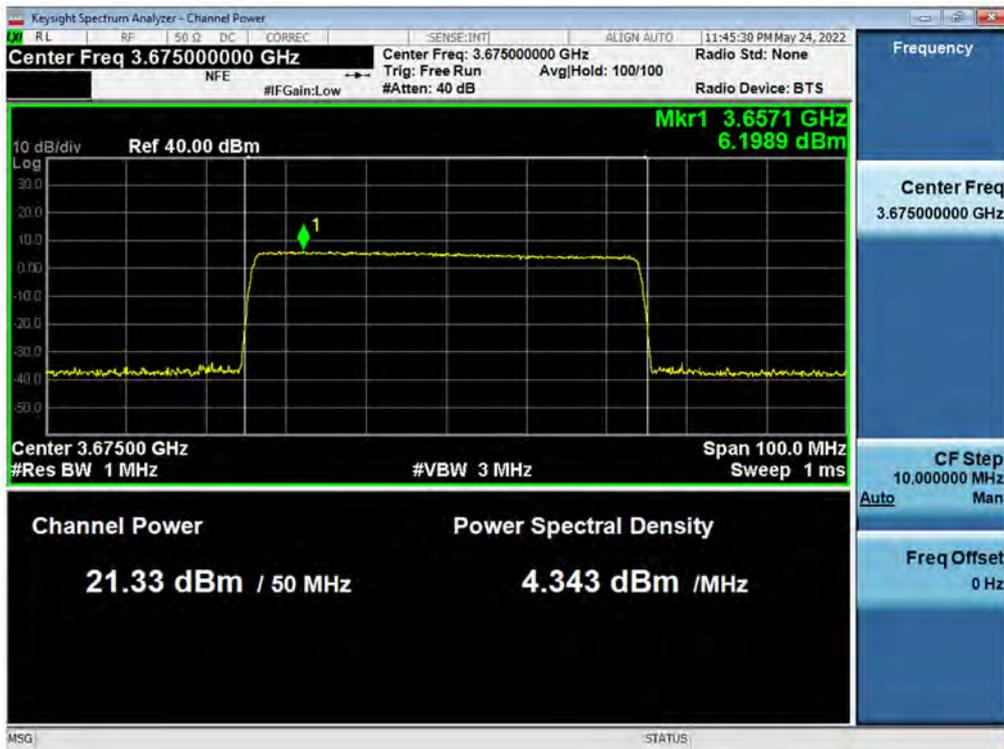
## Antenna 1 / CBRS NR 40 MHz 1 Carrier / 256QAM / High / PSD



Antenna 1 / CBRS NR 40 MHz 1 Carrier / 256QAM / High / E.I.R.P.



Antenna 0 / CBRS NR 50 MHz 1 Carrier / 64QAM / High



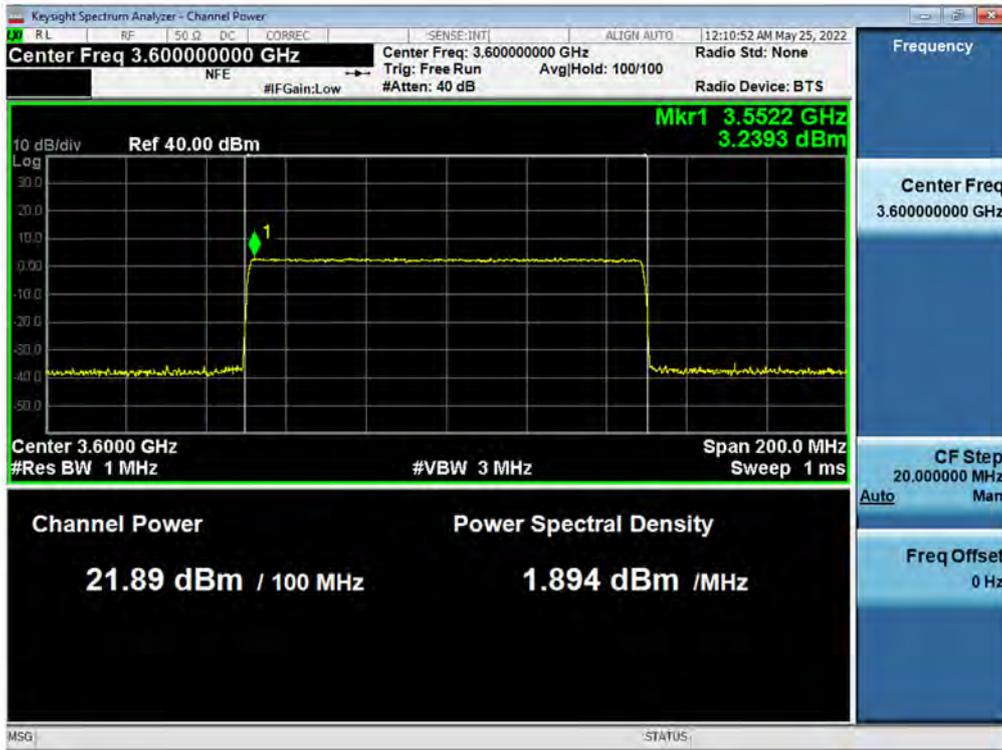
Antenna 0 / CBRS NR 60 MHz 1 Carrier / QPSK / Middle



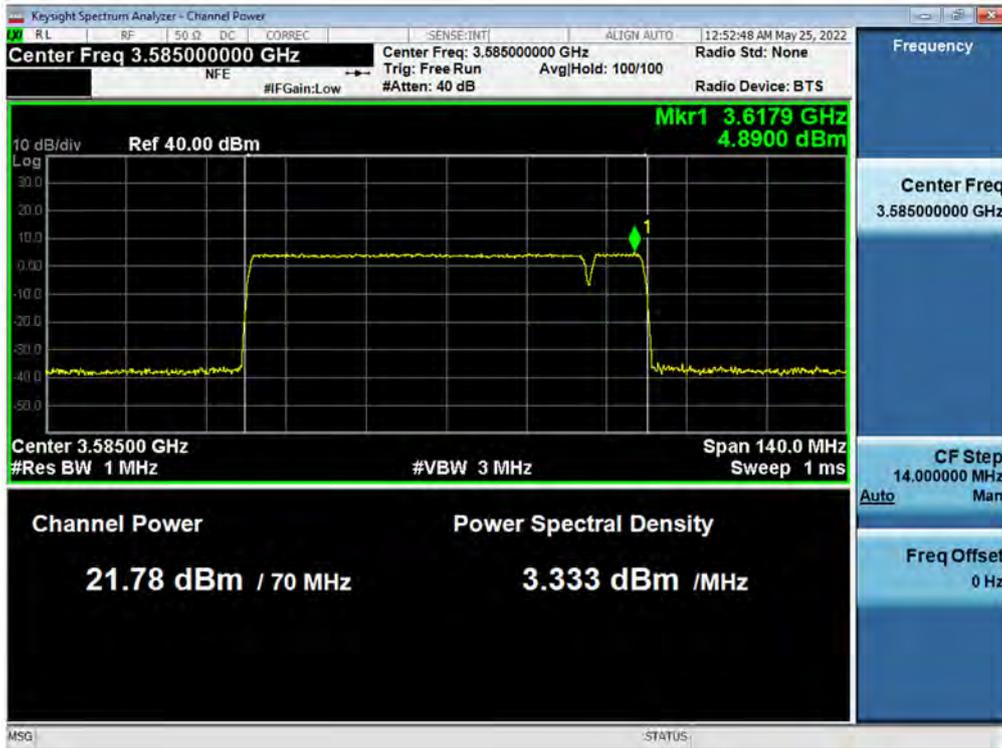
Antenna 1 / CBRS NR 80 MHz 1 Carrier / 64QAM / Middle



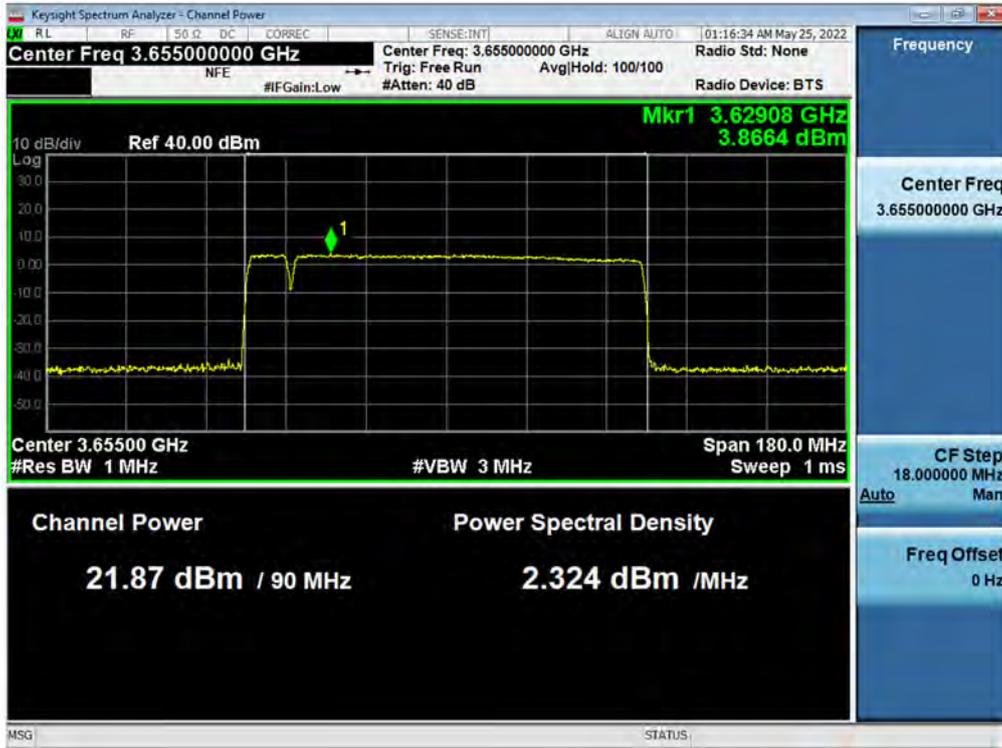
Antenna 0 / CBRS NR 100 MHz 1 Carrier / 256QAM / Low



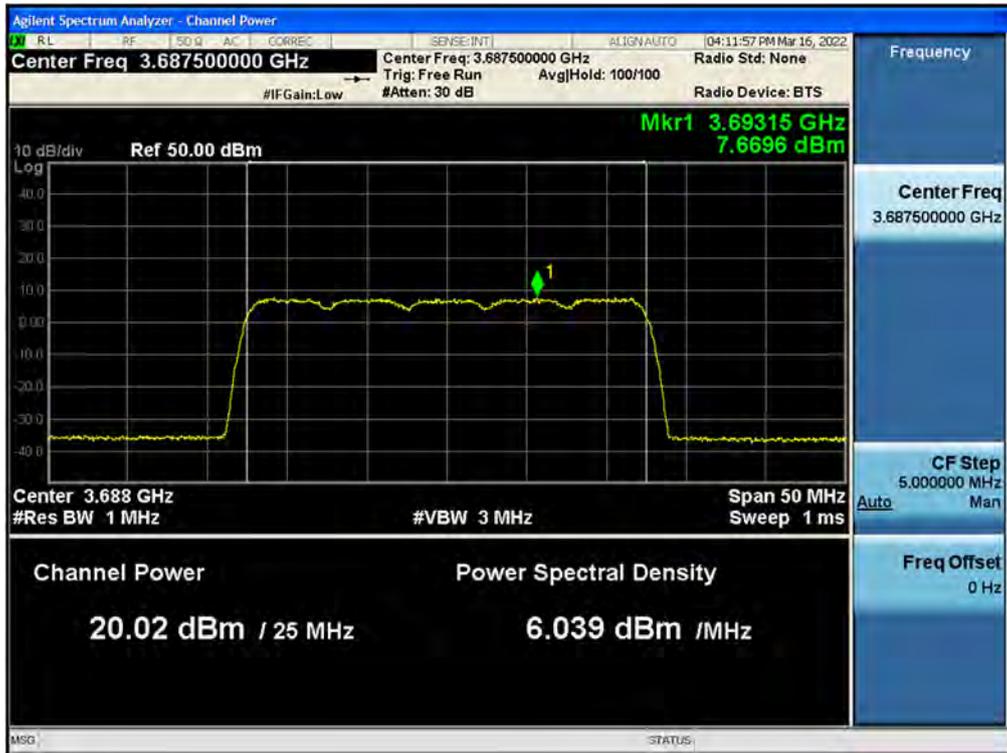
Antenna 0 / CBRS NR(60 MHz 1C + 10 MHz 1C)[2C] / Contiguous / 256QAM / Low



Antenna 0 / CBRS NR(80 MHz 1C + 10 MHz 1C)[2C] / Contiguous / 256QAM / High



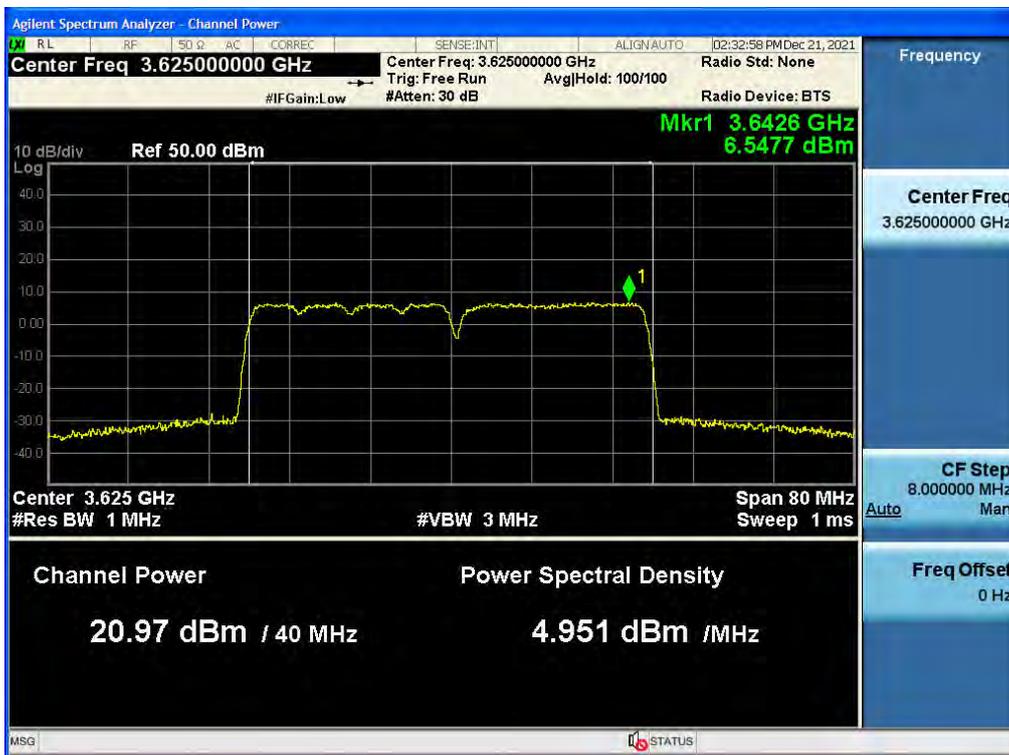
Antenna 1 / CBRS LTE(5 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C)[5C] / Contiguous / 16QAM / High / E.I.R.P.

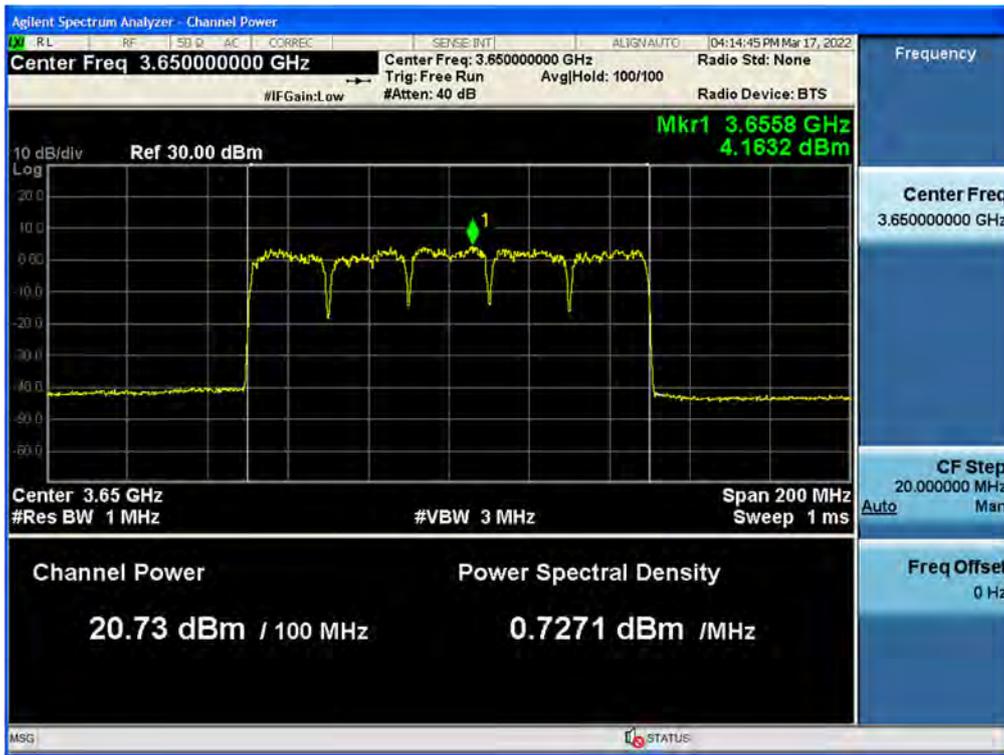
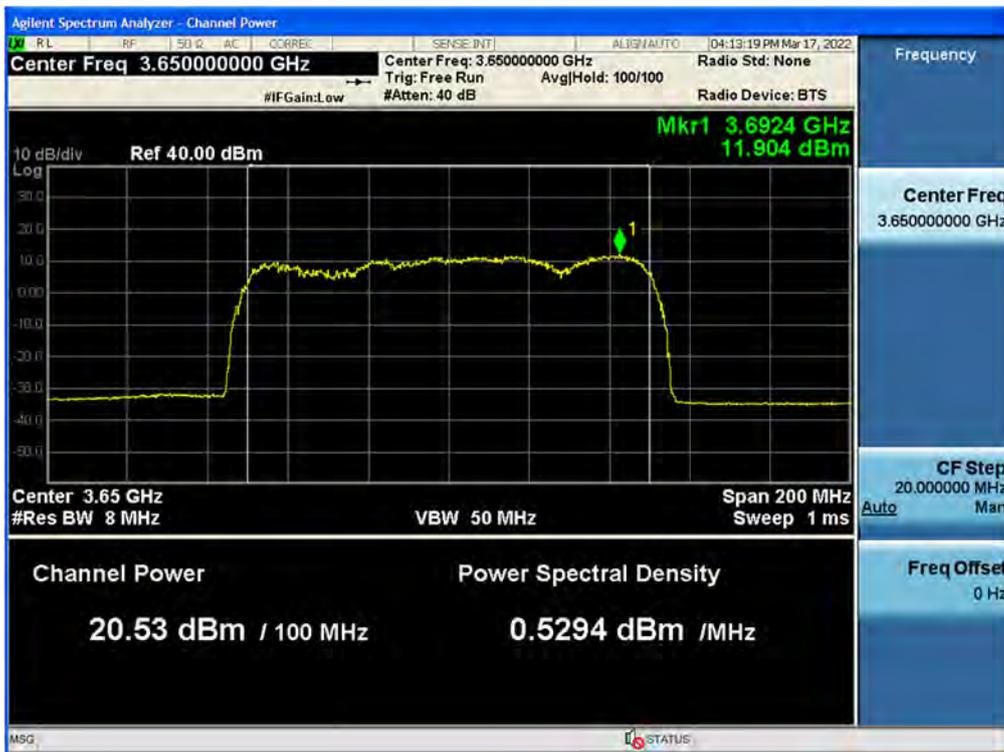


Antenna 1 / CBRS LTE(5 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C)[5C] / Contiguous / 16QAM / High / PSD

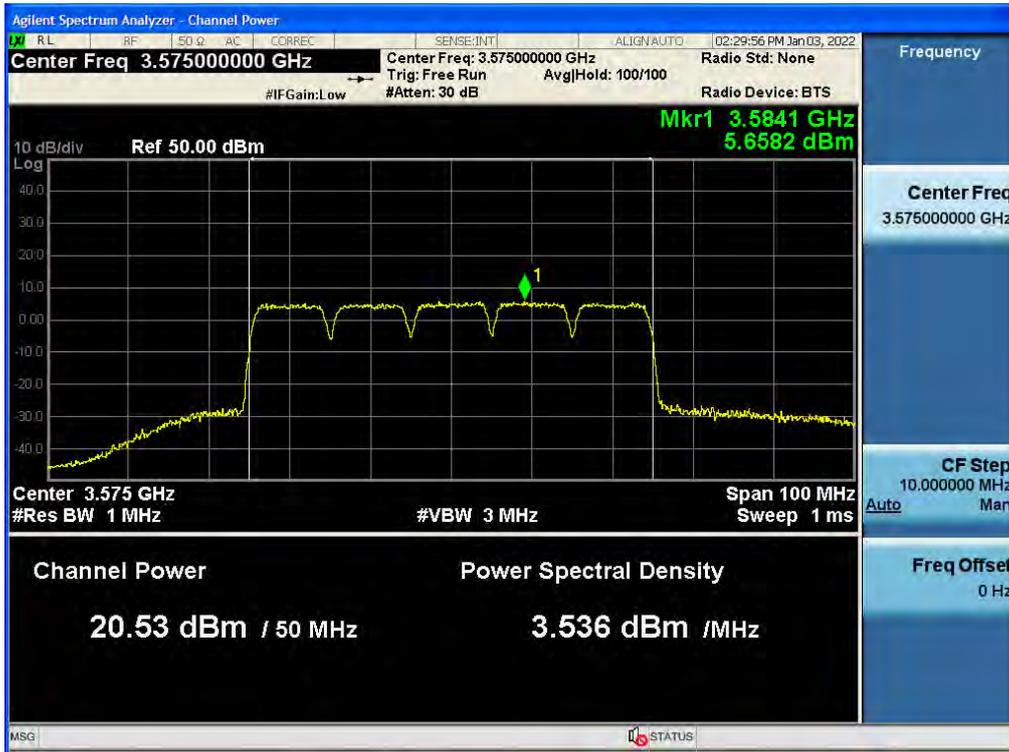


Antenna 1 / CBRS LTE(20 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C + 5 MHz 1C)[5C] / Contiguous / 256QAM / Middle



**Antenna 1 / CBRS LTE(20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C)[5C] / Contiguous / QPSK / High / PSD**

**Antenna 1 / CBRS LTE(20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C)[5C] / Contiguous / QPSK / High / E.I.R.P.**


Antenna 0 / CBRs NR(10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C)[5C] / Contiguous / 256QAM / Low



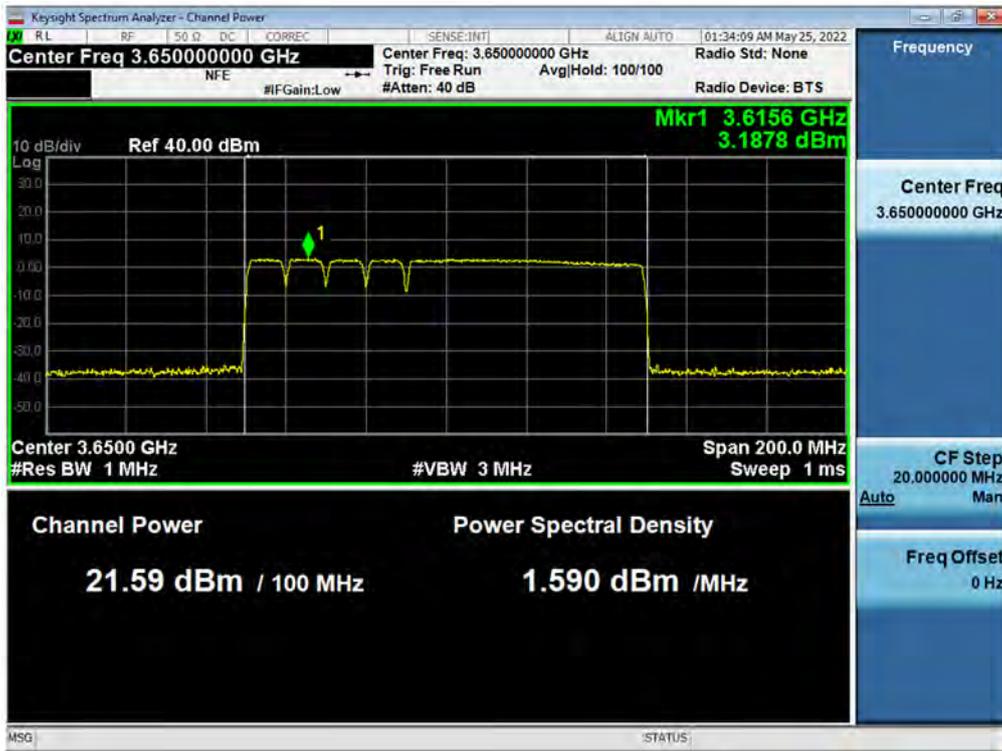
Antenna 0 / CBRs NR(40 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C)[5C] / Contiguous / 256QAM / Middle



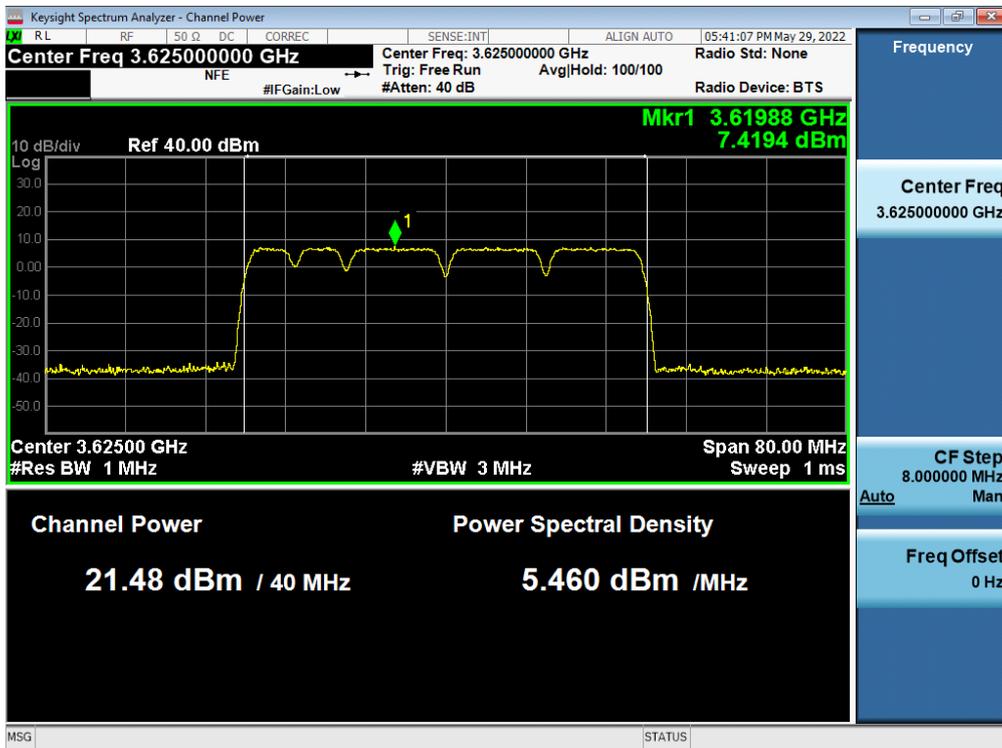
**Antenna 1 / CBRS NR(40 MHz 1C + 30 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C)[5C] / Contiguous / QPSK / Middle**

**Antenna 1 / CBRS NR(60 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C + 10 MHz 1C) [5C] / Contiguous / 16QAM / Low**

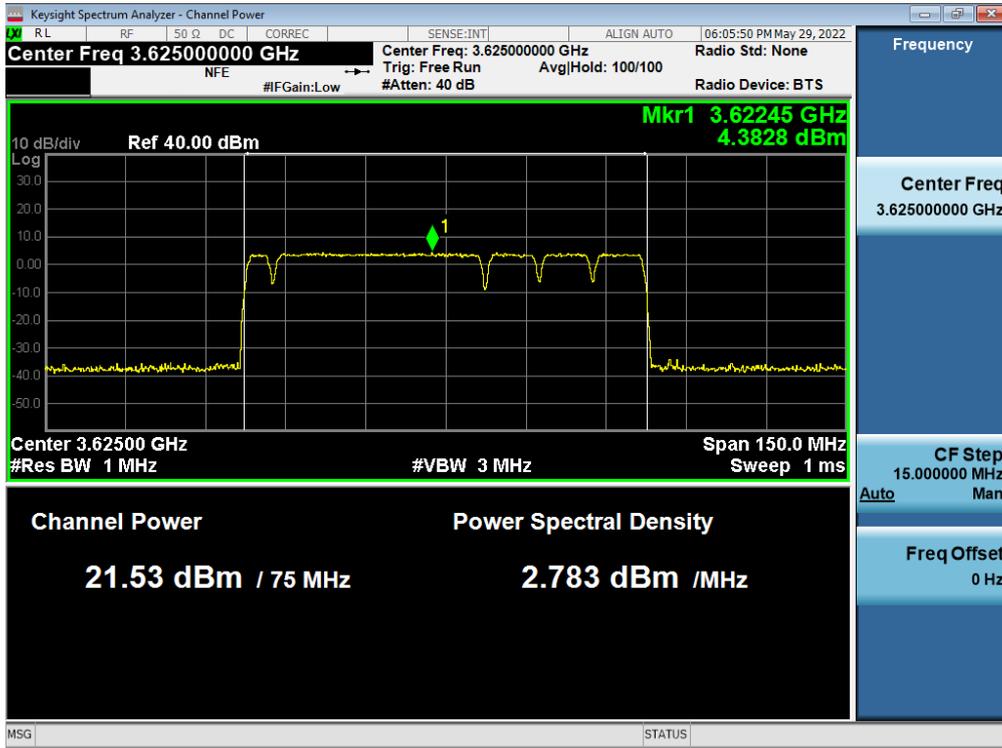

Antenna 1 / CBRS NR 60 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 10 MHz 1C [5C] / Contiguous / 16QAM / High



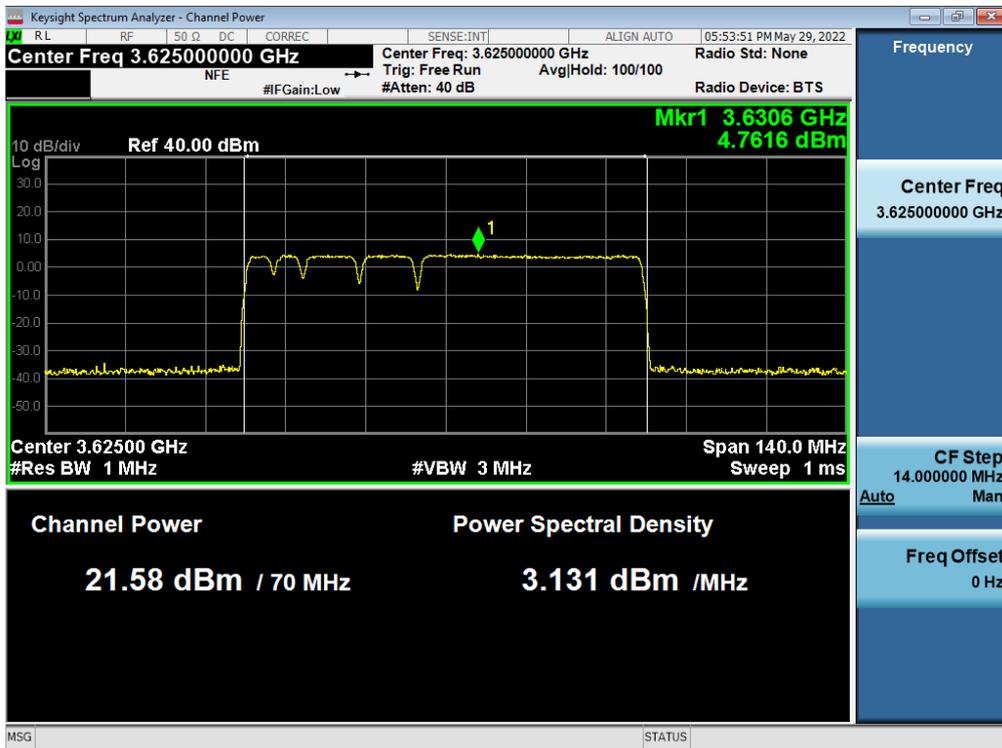
Antenna 1 / CBRS NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C [5C] / Contiguous / 16QAM / Middle



Antenna 1 / CBRS NR 40 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 5 MHz 1C [5C] / Contiguous / 16QAM / Middle



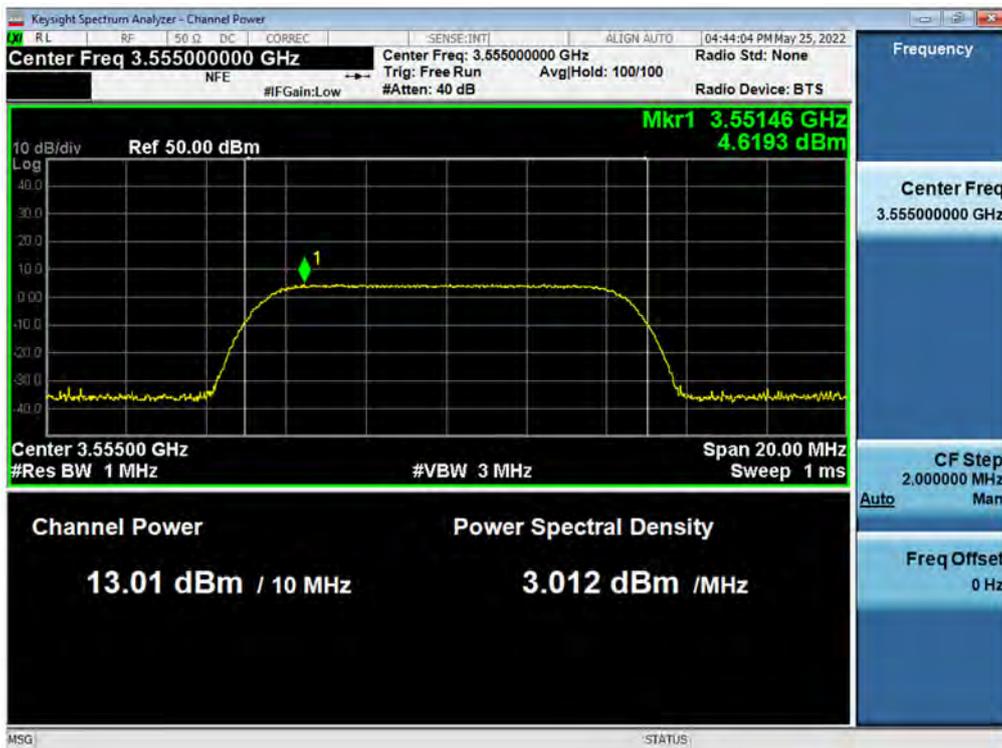
Antenna 1 / CBRS NR 40 MHz 1C + NR 10 MHz 1C + NR 10 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C [5C] / Contiguous / QPSK / Middle



Antenna 0 / CBRS NR 40 MHz 1C + NR 40 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C [5C] / Contiguous / 256QAM / High



Antenna 0 / CBRS NR(10 MHz 1C + 60 MHz 1C)[2C]/ NR 10 MHz 1C / Non-Contiguous / QPSK / Low



Antenna 0 / CBRs NR(10 MHz 1C + 60 MHz 1C)[2C] / NR 60 MHz 1C / Non-Contiguous / QPSK / High



Antenna 0 / CBRs NR(60 MHz 1C + 10 MHz 1C)[2C] / NR 60 MHz 1C / Non-Contiguous / 64QAM / Low

