

TEST REPORT

FCC Test for RT4423-48A
Certification

APPLICANT
SAMSUNG Electronics Co., Ltd.

REPORT NO.
HCT-RF-2209-FC003-R1

DATE OF ISSUE
September 29, 2022

Tested by
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**TEST
REPORT**
FCC Test for
RT2203-48A

REPORT NO.
HCT-RF-2209-FC003-R1

DATE OF ISSUE
September 29, 2022

Additional Model
-

| | |
|------------------------|--|
| Applicant | SAMSUNG Electronics Co., Ltd. 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Rep. of Korea |
| EUT Type | RRU(RT4423) |
| Model Name | RT4423-48A |
| FCC ID | A3LRT4423-48A |
| Date of Test | July 29, 2022 ~ September 22, 2022 |
| FCC Rule Parts: | 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 | September 23, 2022 | Initial Release |
| 1 | September 29, 2022 | <ul style="list-style-type: none">- Revised some limit typos in section 5.1.- Revised the emission designator of '40+10+20+5+5' and '40+20+20+10+10'.- Revised the '9 kHz ~ 300 kHz' results in section 5.5. |

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

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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(RT4423) | | | |
| EUT Serial Number | S618627595 | | | |
| Power Supply | -48 VDC | | | |
| Output Power | Band | Carrier | Bandwidth | Power |
| | CBRS NR | 1 | 10 MHz | 1.00 W/path, Total: 4.00 W |
| | CBRS NR | 1 | 20 MHz | 1.98 W/path, Total: 7.90 W |
| | CBRS NR | 1 | 30 MHz | 2.38 W/path, Total: 9.50 W |
| | CBRS NR | 1 | 40 MHz | 3.15 W/path, Total: 12.60 W |
| | CBRS NR | 1 | 60 MHz | 4.78 W/path, Total: 19.10 W |
| | CBRS NR | 1 | 80 MHz | 5.00 W/path, Total: 20.00 W |
| | CBRS NR | 1 | 100 MHz | 5.00 W/path, Total: 20.00 W |
| | CBRS LTE | 1 | 5 MHz | 0.50 W/path, Total: 2.00 W |
| | CBRS LTE | 1 | 10 MHz | 1.00 W/path, Total: 4.00 W |
| | CBRS LTE | 1 | 15 MHz | 1.50 W/path, Total: 6.00 W |
| | CBRS LTE | 1 | 20 MHz | 1.98 W/path, Total: 7.90 W |
| | CBRS (NR + NR) | 2 | 60 MHz + 30 MHz | 5.00 W/path, Total: 20.00 W |
| | CBRS (LTE + LTE) | 2 | 15 MHz + 15 MHz | 2.40 W/path, Total: 9.60 W |
| | CBRS (LTE + NR) | 2 | 5 MHz + 10 MHz | 1.18 W/path, Total: 4.70 W |
| | CBRS (NR + NR + NR) | 3 | 20 MHz + 20 MHz + 10 MHz | 3.95 W/path, Total: 15.80 W |
| | CBRS (NR + NR + NR) | 3 | 30 MHz + 30 MHz + 10 MHz | 4.43 W/path, Total: 17.70 W |
| | CBRS (LTE + LTE + LTE) | 3 | 15 MHz + 15 MHz + 10 MHz | 3.18 W/path, Total: 12.73 W |
| | CBRS (LTE + LTE + LTE) | 3 | 20 MHz + 15 MHz + 15 MHz | 3.97 W/path, Total: 15.88 W |
| | CBRS (LTE + LTE + LTE) | 3 | 20 MHz + 20 MHz + 20 MHz | 4.73 W/path, Total: 18.93 W |
| CBRS (LTE + LTE + LTE + LTE) | 4 | 20 MHz + 20 MHz + 20 MHz + 20 MHz | 4.99 W/path, Total: 19.95 W | |
| CBRS (LTE + LTE + LTE + LTE + LTE) | 5 | 15 MHz + 15 MHz + 15 MHz + 15 MHz + 10 MHz | 4.43 W/path, Total: 17.72 W | |
| CBRS (LTE + LTE + LTE + LTE + LTE) | 5 | 20 MHz + 20 MHz + 20 MHz + 20 MHz + 10 MHz | 4.99 W/path, Total: 19.95 W | |
| CBRS (LTE + LTE + LTE + LTE + LTE) | 5 | 20 MHz + 20 MHz + 20 MHz + 20 MHz + 20 MHz | 4.99 W/path, Total: 19.95 W | |
| CBRS (NR + NR + LTE + LTE + LTE) | 5 | 40 MHz + 10 MHz + 20 MHz + 5 MHz + 5 MHz | 5.00 W/path, Total: 20.00 W | |
| CBRS (NR + NR + NR + LTE + LTE) | 5 | 40 MHz + 20 MHz + 20 MHz + 10 MHz + 10 MHz | 5.00 W/path, Total: 20.00 W | |
| Carrier | 1CC, 2CC, 3CC, 4CC, 5CC | | | |
| Frequency Range | 3 550 MHz ~ 3 700 MHz | | | |

| | Mode | Bandwidth | Emission Designator | | | |
|--|---|---|---------------------|----------------------|-----------|----------------------|
| | | | QPSK (G7D) | Total E.I.R.P. (dBm) | QAM (W7D) | Total E.I.R.P. (dBm) |
| | CBRS NR | 10 MHz | 8M69G7D | 46.93 | 8M69W7D | 46.94 |
| | CBRS NR | 20 MHz | 18M3G7D | 46.97 | 18M4W7D | 47.00 |
| | CBRS NR | 30 MHz | 28M0G7D | 46.97 | 28M0W7D | 47.00 |
| | CBRS NR | 40 MHz | 38M0G7D | 46.95 | 38M0W7D | 46.96 |
| | CBRS NR | 60 MHz | 58M0G7D | 46.92 | 58M1W7D | 46.97 |
| | CBRS NR | 80 MHz | 77M7G7D | 46.93 | 77M8W7D | 46.96 |
| | CBRS NR | 100 MHz | 97M8G7D | 45.86 | 97M8W7D | 45.94 |
| | CBRS LTE | 5 MHz | 4M50G7D | 46.99 | 4M52W7D | 46.99 |
| | CBRS LTE | 10 MHz | 9M00G7D | 46.85 | 9M04W7D | 46.87 |
| | CBRS LTE | 15 MHz | 13M5G7D | 46.94 | 13M5W7D | 46.94 |
| | CBRS LTE | 20 MHz | 18M0G7D | 46.56 | 18M0W7D | 46.86 |
| | CBRS (NR + NR) (Contiguous) | 60 MHz + 30 MHz | 87M8G7D | 46.37 | 87M8W7D | 46.41 |
| | CBRS (LTE + LTE) (Contiguous) | 15 MHz + 15 MHz | 28M5G7D | 46.67 | 28M5W7D | 46.82 |
| | CBRS (LTE + NR) (Contiguous) | 5 MHz + 10 MHz | 14M1G7D | 45.66 | 14M1W7D | 45.79 |
| | CBRS (NR + NR + NR) (Contiguous) | 20 MHz + 20 MHz + 10 MHz | 48M3G7D | 46.46 | 48M4W7D | 46.53 |
| | CBRS (NR + NR + NR) (Contiguous) | 30 MHz + 30 MHz + 10 MHz | 68M1G7D | 46.44 | 68M2W7D | 46.53 |
| | CBRS (LTE + LTE + LTE) (Contiguous) | 15 MHz + 15 MHz + 10 MHz | 38M7G7D | 46.28 | 38M7W7D | 46.71 |
| | CBRS (LTE + LTE + LTE) (Contiguous) | 20 MHz + 15 MHz + 15 MHz | 48M1G7D | 46.39 | 48M1W7D | 46.62 |
| | CBRS (LTE + LTE + LTE) (Contiguous) | 20 MHz + 20 MHz + 20 MHz | 57M8G7D | 46.61 | 58M0W7D | 46.76 |
| | CBRS (LTE + LTE + LTE + LTE) (Contiguous) | 20 MHz + 20 MHz + 20 MHz + 20 MHz | 77M1G7D | 46.31 | 77M8W7D | 46.64 |
| | CBRS (LTE + LTE + LTE + LTE + LTE) (Contiguous) | 15 MHz + 15 MHz + 15 MHz + 15 MHz + 10 MHz | 68M5G7D | 46.35 | 68M6W7D | 46.60 |
| | CBRS (LTE + LTE + LTE + LTE + LTE) (Contiguous) | 20 MHz + 20 MHz + 20 MHz + 20 MHz + 10 MHz | 88M3G7D | 46.37 | 88M2W7D | 46.39 |
| | CBRS (LTE + LTE + LTE + LTE + LTE) (Contiguous) | 20 MHz + 20 MHz + 20 MHz + 20 MHz + 20 MHz | 97M6G7D | 45.71 | 97M7W7D | 45.79 |
| | CBRS (NR + NR + LTE + LTE + LTE) (Contiguous) | 40 MHz + 10 MHz + 20 MHz + 5 MHz + 5 MHz | 78M5G7D | 46.51 | 78M5W7D | 46.43 |
| | CBRS (NR + NR + NR + LTE + LTE) (Contiguous) | 40 MHz + 20 MHz + 20 MHz + 10 MHz + 10 MHz | 98M2G7D | 45.97 | 98M2W7D | 46.48 |
| | CBRS (NR + NR) (Non-Contiguous) | 60 MHz + 30 MHz | 85M8G7D | 46.37 | 86M0W7D | 46.43 |
| | CBRS (LTE + LTE) (Non-Contiguous) | 15 MHz + 15 MHz | 27M0G7D | 46.62 | 27M0W7D | 46.70 |

Emission Designator

| | | | | | |
|--|---|---------|-------|---------|-------|
| CBRS (LTE + NR) (Non-Contiguous) | 5 MHz + 10 MHz | 13M2G7D | 45.45 | 13M2W7D | 45.82 |
| CBRS (NR + NR + NR) (Non-Contiguous)(1C+2C) | 20 MHz + 20 MHz + 10 MHz | 46M7G7D | 46.53 | 46M8W7D | 46.56 |
| CBRS (NR + NR + NR) (Non-Contiguous)(2C+1C) | 20 MHz + 20 MHz + 10 MHz | 46M9G7D | 46.61 | 46M9W7D | 46.65 |
| CBRS (NR + NR + NR) (Non-Contiguous)(1C+2C) | 30 MHz + 30 MHz + 10 MHz | 66M1G7D | 46.82 | 66M2W7D | 46.99 |
| CBRS (NR + NR + NR) (Non-Contiguous)(2C+1C) | 30 MHz + 30 MHz + 10 MHz | 66M4G7D | 45.01 | 66M6W7D | 44.98 |
| CBRS (LTE + LTE + LTE) (Non-Contiguous)(1C+2C) | 15 MHz + 15 MHz + 10 MHz | 37M2G7D | 46.63 | 37M2W7D | 46.86 |
| CBRS (LTE + LTE + LTE) (Non-Contiguous)(2C+1C) | 15 MHz + 15 MHz + 10 MHz | 37M4G7D | 46.46 | 37M5W7D | 46.89 |
| CBRS (LTE + LTE + LTE) (Non-Contiguous)(1C+2C) | 20 MHz + 15 MHz + 15 MHz | 46M3G7D | 46.61 | 46M4W7D | 46.70 |
| CBRS (LTE + LTE + LTE) (Non-Contiguous)(2C+1C) | 20 MHz + 15 MHz + 15 MHz | 46M6G7D | 46.46 | 46M6W7D | 46.69 |
| CBRS (LTE + LTE + LTE) (Non-Contiguous)(1C+2C) | 20 MHz + 20 MHz + 20 MHz | 55M8G7D | 46.65 | 55M8W7D | 46.80 |
| CBRS (LTE + LTE + LTE) (Non-Contiguous)(2C+1C) | 20 MHz + 20 MHz + 20 MHz | 55M8G7D | 46.44 | 55M9W7D | 46.51 |
| CBRS (LTE + LTE + LTE + LTE) (Non-Contiguous)(1C+3C) | 20 MHz + 20 MHz + 20 MHz + 20 MHz | 75M7G7D | 46.86 | 75M8W7D | 46.89 |
| CBRS (LTE + LTE + LTE + LTE) (Non-Contiguous)(3C+1C) | 20 MHz + 20 MHz + 20 MHz + 20 MHz | 75M7G7D | 46.21 | 75M7W7D | 46.58 |
| CBRS (LTE + LTE + LTE + LTE) (Non-Contiguous)(1C+4C) | 15 MHz + 15 MHz + 15 MHz + 15 MHz + 10 MHz | 67M0G7D | 46.54 | 67M0W7D | 46.74 |
| CBRS (LTE + LTE + LTE + LTE) (Non-Contiguous)(4C+1C) | 15 MHz + 15 MHz + 15 MHz + 15 MHz + 10 MHz | 67M3G7D | 46.28 | 67M3W7D | 46.59 |
| CBRS (LTE + LTE + LTE + LTE + LTE) (Non-Contiguous)(1C+4C) | 20 MHz + 20 MHz + 20 MHz + 20 MHz + 10 MHz | 86M3G7D | 46.41 | 86M3W7D | 46.38 |
| CBRS (LTE + LTE + LTE + LTE + LTE) (Non-Contiguous)(4C+1C) | 20 MHz + 20 MHz + 20 MHz + 20 MHz + 10 MHz | 86M6G7D | 46.40 | 86M7W7D | 46.40 |
| CBRS (LTE + LTE + LTE + LTE + LTE) (Non-Contiguous)(1C+4C) | 20 MHz + 20 MHz + 20 MHz + 20 MHz + 20 MHz | 95M6G7D | 45.75 | 95M7W7D | 45.87 |
| CBRS (LTE + LTE + LTE + LTE + LTE) (Non-Contiguous)(4C+1C) | 20 MHz + 20 MHz + 20 MHz + 20 MHz + 20 MHz | 95M5G7D | 45.26 | 95M7W7D | 45.64 |
| CBRS (NR + NR + LTE + LTE + LTE) (Non-Contiguous)(1C+4C) | 40 MHz + 10 MHz + 20 MHz + 5 MHz + 5 MHz | 77M0G7D | 46.81 | 77M0W7D | 46.67 |
| CBRS (NR + NR + LTE + LTE + LTE) (Non-Contiguous)(4C+1C) | 40 MHz + 10 MHz + 20 MHz + 5 MHz + 5 MHz | 78M0G7D | 46.26 | 78M0W7D | 46.43 |
| CBRS (NR + NR + NR + LTE + LTE) (Non-Contiguous)(1C+4C) | 40 MHz + 20 MHz + 20 MHz + 10 MHz + 10 MHz | 96M5G7D | 45.99 | 96M5W7D | 46.29 |

| | | | | | | |
|-----------------------|---|---|---------|-------|---------|-------|
| | CBRS (NR + NR + NR + LTE + LTE) (Non-Contiguous)(4C+1C) | 40 MHz + 20 MHz + 20 MHz + 10 MHz + 10 MHz | 97M2G7D | 46.28 | 97M2W7D | 45.99 |
| Modulation Type | LTE: QPSK, 16QAM, 64QAM, 256QAM NR: QPSK, 16QAM, 64QAM, 256QAM | | | | | |
| CBSD Category | Category B CBSD | | | | | |
| Antenna Specification | Min. 5 dBi ~ Max. 17.7 dBi | | | | | |

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

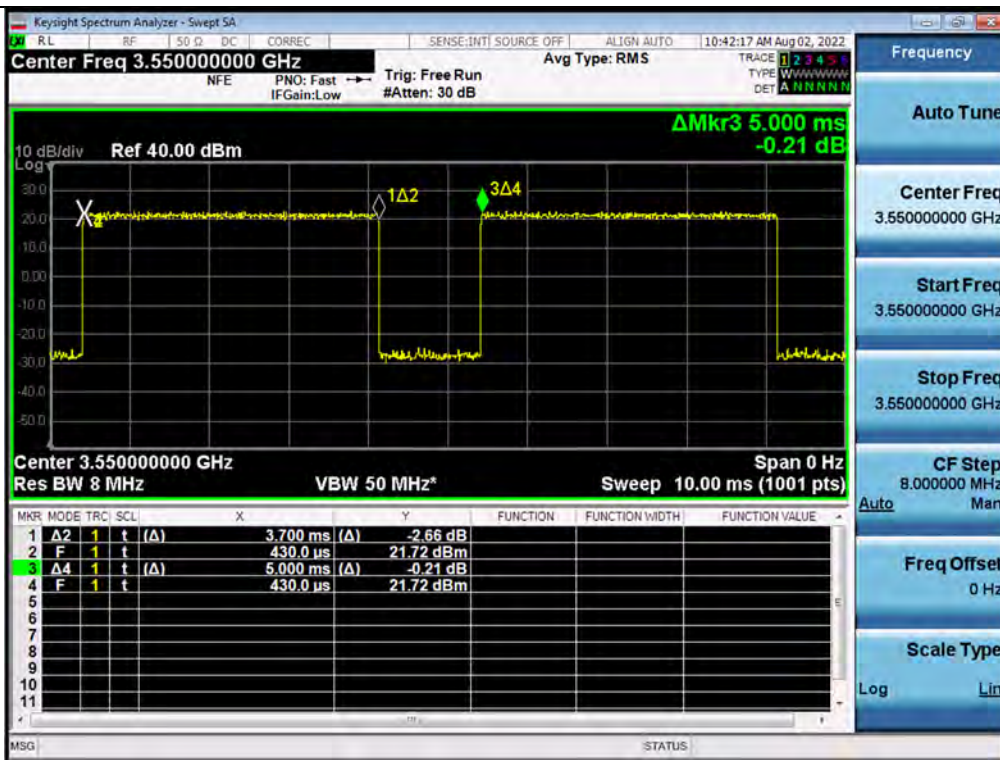
The following tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with FCC Part 2, Part 96

| 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 case having maximum output power and maximum PSD(it means the worst case.).
- All LTE and NR modulation types (LTE: QPSK, 16QAM, 64QAM, 256QAM; 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.
- Because of the EUT using TDD technology, it cannot be configured to transmit continuously and measurement instrument cannot be configured to measure only during active transmissions. So, we performed the measurement using duty cycle method.

Measurement Result of RT4423-48A Transmit On/Off Timing



- The EUT duty cycle is calculated according to ANSI C63.26 - 5.2.4.3.4.

$$\text{Duty Cycle} = \text{On-time} / \text{Transmitter period} = 3.7 \text{ ms} / 5.0 \text{ ms} = 0.74$$

$$\text{Duty Correction} = 10 \log (1/\text{duty cycle}) = 10 \log (1/0.74) = 1.307 \text{ dB}$$

-Ant 0-

Correction factor table

| Frequency (MHz) | Factor (dB) | Frequency (MHz) | Factor (dB) |
|-----------------|-------------|-----------------|-------------|
| 500 | 32.910 | 20 000 | 28.243 |
| 600 | 33.051 | 21 000 | 28.558 |
| 700 | 33.210 | 22 000 | 28.485 |
| 800 | 33.241 | 23 000 | 28.338 |
| 900 | 33.385 | 24 000 | 28.722 |
| 1 000 | 33.461 | 25 000 | 29.074 |
| 2 000 | 34.334 | 26 000 | 29.580 |
| 3 000 | 34.944 | 27 000 | 29.178 |
| 4 000 | 35.226 | 28 000 | 29.303 |
| 5 000 | 35.823 | 29 000 | 29.753 |
| 6 000 | 35.749 | 30 000 | 29.548 |
| 7 000 | 36.169 | 31 000 | 31.461 |
| 8 000 | 36.229 | 32 000 | 31.146 |
| 9 000 | 36.041 | 33 000 | 30.648 |
| 10 000 | 36.851 | 34 000 | 29.663 |
| 11 000 | 37.914 | 35 000 | 29.915 |
| 12 000 | 38.068 | 36 000 | 30.390 |
| 13 000 | 38.807 | 37 000 | 30.138 |
| 14 000 | 38.674 | 38 000 | 30.427 |
| 15 000 | 39.919 | 39 000 | 30.740 |
| 16 000 | 40.774 | 39 500 | 30.198 |
| 17 000 | 41.133 | - | - |
| 18 000 | 25.208 | - | - |
| 19 000 | 27.822 | - | - |

-Ant 1-

Correction factor table

| Frequency (MHz) | Factor (dB) | Frequency (MHz) | Factor (dB) |
|-----------------|-------------|-----------------|-------------|
| 500 | 32.503 | 20 000 | 28.243 |
| 600 | 32.640 | 21 000 | 28.558 |
| 700 | 32.825 | 22 000 | 28.485 |
| 800 | 32.861 | 23 000 | 28.338 |
| 900 | 33.007 | 24 000 | 28.722 |
| 1 000 | 33.109 | 25 000 | 29.074 |
| 2 000 | 34.099 | 26 000 | 29.580 |
| 3 000 | 34.728 | 27 000 | 29.178 |
| 4 000 | 35.203 | 28 000 | 29.303 |
| 5 000 | 36.213 | 29 000 | 29.753 |
| 6 000 | 36.029 | 30 000 | 29.548 |
| 7 000 | 36.680 | 31 000 | 31.461 |
| 8 000 | 36.883 | 32 000 | 31.146 |
| 9 000 | 37.051 | 33 000 | 30.648 |
| 10 000 | 37.719 | 34 000 | 29.663 |
| 11 000 | 38.476 | 35 000 | 29.915 |
| 12 000 | 39.292 | 36 000 | 30.390 |
| 13 000 | 39.490 | 37 000 | 30.138 |
| 14 000 | 39.845 | 38 000 | 30.427 |
| 15 000 | 41.379 | 39 000 | 30.740 |
| 16 000 | 40.406 | 39 500 | 30.198 |
| 17 000 | 40.501 | - | - |
| 18 000 | 33.896 | - | - |
| 19 000 | 27.822 | - | - |

-Ant 2-

Correction factor table

| Frequency (MHz) | Factor (dB) | Frequency (MHz) | Factor (dB) |
|-----------------|-------------|-----------------|-------------|
| 500 | 30.141 | 20 000 | 28.243 |
| 600 | 30.316 | 21 000 | 28.558 |
| 700 | 30.469 | 22 000 | 28.485 |
| 800 | 30.521 | 23 000 | 28.338 |
| 900 | 30.638 | 24 000 | 28.722 |
| 1 000 | 30.744 | 25 000 | 29.074 |
| 2 000 | 31.665 | 26 000 | 29.580 |
| 3 000 | 32.452 | 27 000 | 29.178 |
| 4 000 | 33.042 | 28 000 | 29.303 |
| 5 000 | 34.406 | 29 000 | 29.753 |
| 6 000 | 34.442 | 30 000 | 29.548 |
| 7 000 | 35.253 | 31 000 | 31.461 |
| 8 000 | 35.931 | 32 000 | 31.146 |
| 9 000 | 36.408 | 33 000 | 30.648 |
| 10 000 | 37.687 | 34 000 | 29.663 |
| 11 000 | 39.249 | 35 000 | 29.915 |
| 12 000 | 40.151 | 36 000 | 30.390 |
| 13 000 | 40.813 | 37 000 | 30.138 |
| 14 000 | 41.062 | 38 000 | 30.427 |
| 15 000 | 42.629 | 39 000 | 30.740 |
| 16 000 | 46.210 | 39 500 | 30.198 |
| 17 000 | 45.622 | - | - |
| 18 000 | 34.979 | - | - |
| 19 000 | 27.822 | - | - |

-Ant 3-

Correction factor table

| Frequency (MHz) | Factor (dB) | Frequency (MHz) | Factor (dB) |
|-----------------|-------------|-----------------|-------------|
| 500 | 30.282 | 20 000 | 28.243 |
| 600 | 30.452 | 21 000 | 28.558 |
| 700 | 30.618 | 22 000 | 28.485 |
| 800 | 30.673 | 23 000 | 28.338 |
| 900 | 30.794 | 24 000 | 28.722 |
| 1 000 | 30.903 | 25 000 | 29.074 |
| 2 000 | 31.855 | 26 000 | 29.580 |
| 3 000 | 32.684 | 27 000 | 29.178 |
| 4 000 | 33.361 | 28 000 | 29.303 |
| 5 000 | 34.519 | 29 000 | 29.753 |
| 6 000 | 34.733 | 30 000 | 29.548 |
| 7 000 | 35.634 | 31 000 | 31.461 |
| 8 000 | 38.263 | 32 000 | 31.146 |
| 9 000 | 36.947 | 33 000 | 30.648 |
| 10 000 | 38.476 | 34 000 | 29.663 |
| 11 000 | 39.928 | 35 000 | 29.915 |
| 12 000 | 40.669 | 36 000 | 30.390 |
| 13 000 | 41.390 | 37 000 | 30.138 |
| 14 000 | 41.725 | 38 000 | 30.427 |
| 15 000 | 43.160 | 39 000 | 30.740 |
| 16 000 | 46.604 | 39 500 | 30.198 |
| 17 000 | 47.398 | - | - |
| 18 000 | 27.628 | - | - |
| 19 000 | 27.822 | - | - |

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 |

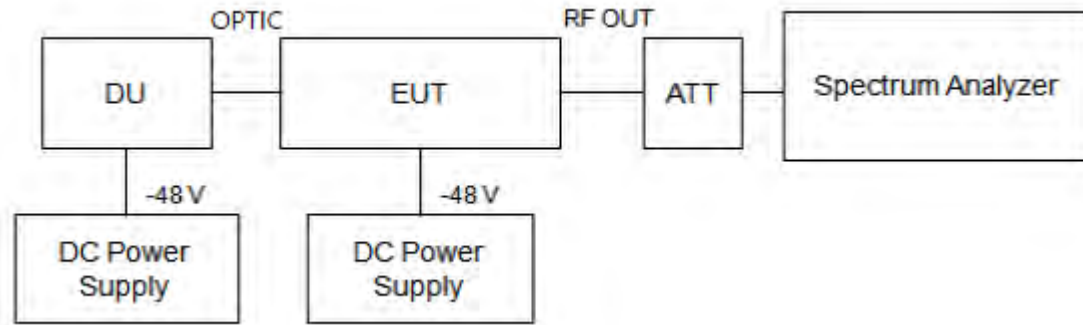
Coverage factor $k=2$, Confidence levels of 95 %

3.4. STANDARDS ENVIRONMENTAL TEST CONDITIONS

| | |
|--------------------|------------------------|
| Temperature : | +15 °C to +35 °C |
| Relative humidity: | 30 % to 60 % |
| Air pressure | 860 mbar to 1 060 mbar |

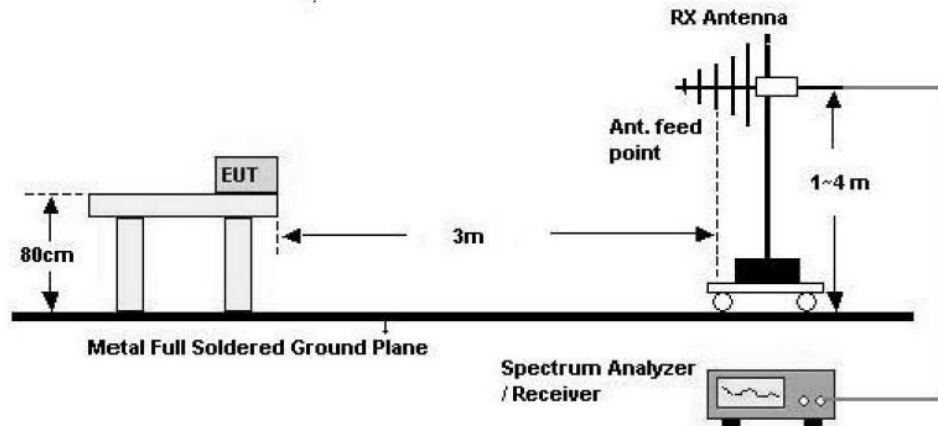
3.5. TEST DIAGRAMS

Conducted Test

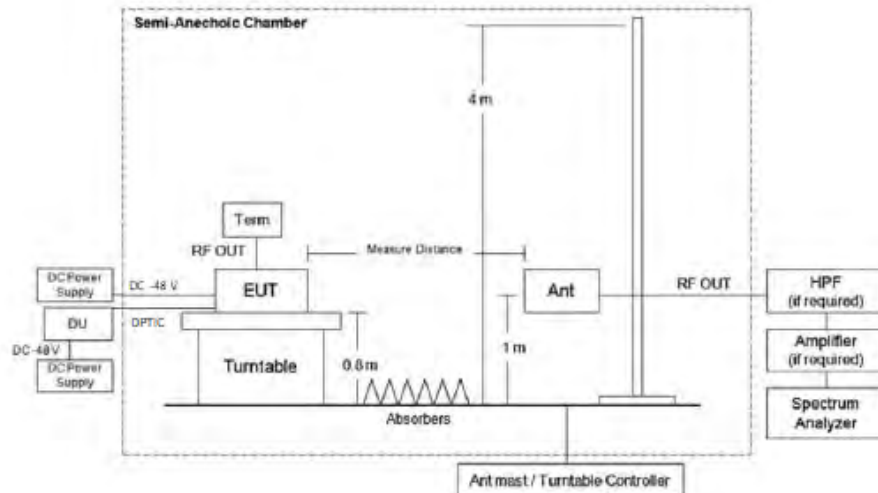


Radiated Test

30 MHz ~ 1 GHz

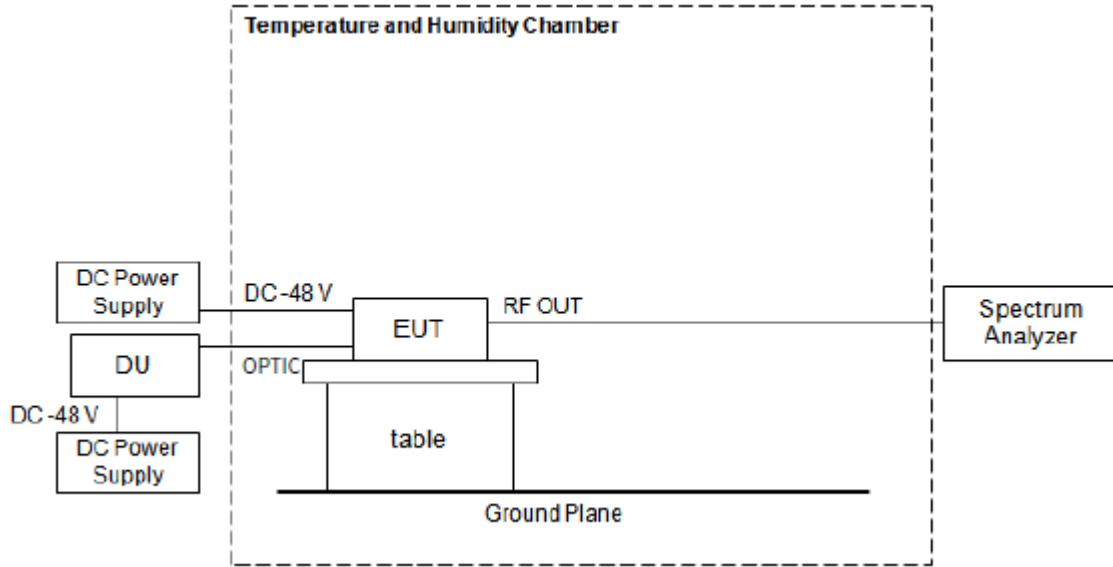


Above 1 GHz



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

Frequency Stability



Note: All modulations(LTE: QPSK, 16QAM, 64QAM, 256QAM; 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 |
| *30 dB Attenuator | 67-30-33 | API Weinschel, Inc. | CL4337 | 2023-05-03 | Annual |
| *20 dB Attenuator | FAS-23-20 | MCLI | 103756 | 2023-01-03 | Annual |
| DC Power Supply | 6674A | Agilent | MY41003340 | 2023-07-06 | Annual |
| DC Power Supply | PWR800L | KIKUSUI | RK000880 | 2023-07-27 | 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 | 2024-08-16 | 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 | 2023-08-23 | Annual |
| Power Amplifier | CBL18265035 | CERNEX | 22966 | 2022-12-02 | Annual |
| Power Amplifier | CBL26405040 | CERNEX | 25956 | 2023-03-11 | Annual |

*This equipment has been used to each port, but we only listed one equipment for simplicity.

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 General radio requirements.

- (b) **Power limits.** 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 ¹ | 47 | 37 |

¹Category 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 $\geq 2 \times \text{span} / RBW$.
- 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. The EUT have multiple antennas transmitting correlated signals with the equal antenna gains and two outputs driving a cross-polarized antennas with $N_{ant}=2$.

Directional gain is to be computed as follows: Directional gain = $G_{ant} + 10 \times \log(N_{ant})$ dBi

2. Worst E.I.R.P. Case Scenario gain antenna was selected to perform all RF testing that can get maximum power setting. And high gain antenna power setting will be reduced according to difference value of antenna gain declared by applicant.
3. Applied antenna gain and cable loss as below:

| E.I.R.P (dBm/10 MHz) | Antenna gain (dBi) | Directional gain (dBi) | External Loss (dBi) | Applied Antenna gain (dBi) |
|-------------------------|-----------------------|---------------------------|------------------------|-------------------------------|
| 35 | 8.1 | 11.1 | 0.1 | 11.0 |
| 34 | 9.6 | 12.6 | 0.6 | 12.0 |
| 33 | 10.2 | 13.2 | 0.2 | 13.0 |

4. 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.

Test Results:
Tabular Data of RF output power
CBRS NR 10 MHz 1 Carrier

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 0 | QPSK | LOW | 3 555.00 | 29.46 | 11.00 | 40.46 | 11.12 |
| | | MIDDLE | 3 625.00 | 29.15 | 11.00 | 40.15 | 10.36 |
| | | HIGH | 3 695.00 | 29.40 | 11.00 | 40.40 | 10.95 |
| | 16QAM | LOW | 3 555.00 | 29.77 | 11.00 | 40.77 | 11.93 |
| | | MIDDLE | 3 625.00 | 29.55 | 11.00 | 40.55 | 11.34 |
| | | HIGH | 3 695.00 | 29.16 | 11.00 | 40.16 | 10.38 |
| | 64QAM | LOW | 3 555.00 | 29.61 | 11.00 | 40.61 | 11.51 |
| | | MIDDLE | 3 625.00 | 29.29 | 11.00 | 40.29 | 10.70 |
| | | HIGH | 3 695.00 | 29.45 | 11.00 | 40.45 | 11.09 |
| | 256QAM | LOW | 3 555.00 | 29.46 | 11.00 | 40.46 | 11.13 |
| | | MIDDLE | 3 625.00 | 29.63 | 11.00 | 40.63 | 11.56 |
| | | HIGH | 3 695.00 | 29.47 | 11.00 | 40.47 | 11.13 |
| 1 | QPSK | LOW | 3 555.00 | 29.53 | 11.00 | 40.53 | 11.30 |
| | | MIDDLE | 3 625.00 | 29.13 | 11.00 | 40.13 | 10.29 |
| | | HIGH | 3 695.00 | 29.43 | 11.00 | 40.43 | 11.03 |
| | 16QAM | LOW | 3 555.00 | 29.86 | 11.00 | 40.86 | 12.19 |
| | | MIDDLE | 3 625.00 | 29.55 | 11.00 | 40.55 | 11.34 |
| | | HIGH | 3 695.00 | 29.05 | 11.00 | 40.05 | 10.13 |
| | 64QAM | LOW | 3 555.00 | 29.62 | 11.00 | 40.62 | 11.54 |
| | | MIDDLE | 3 625.00 | 29.11 | 11.00 | 40.11 | 10.27 |
| | | HIGH | 3 695.00 | 29.44 | 11.00 | 40.44 | 11.06 |
| | 256QAM | LOW | 3 555.00 | 29.42 | 11.00 | 40.42 | 11.02 |
| | | MIDDLE | 3 625.00 | 29.58 | 11.00 | 40.58 | 11.43 |
| | | HIGH | 3 695.00 | 29.36 | 11.00 | 40.36 | 10.87 |

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 2 | QPSK | LOW | 3 555.00 | 29.65 | 11.00 | 40.65 | 11.61 |
| | | MIDDLE | 3 625.00 | 29.24 | 11.00 | 40.24 | 10.58 |
| | | HIGH | 3 695.00 | 29.11 | 11.00 | 40.11 | 10.26 |
| | 16QAM | LOW | 3 555.00 | 29.95 | 11.00 | 40.95 | 12.43 |
| | | MIDDLE | 3 625.00 | 29.76 | 11.00 | 40.76 | 11.90 |
| | | HIGH | 3 695.00 | 29.36 | 11.00 | 40.36 | 10.85 |
| | 64QAM | LOW | 3 555.00 | 29.80 | 11.00 | 40.80 | 12.03 |
| | | MIDDLE | 3 625.00 | 29.47 | 11.00 | 40.47 | 11.15 |
| | | HIGH | 3 695.00 | 29.07 | 11.00 | 40.07 | 10.16 |
| | 256QAM | LOW | 3 555.00 | 29.45 | 11.00 | 40.45 | 11.09 |
| | | MIDDLE | 3 625.00 | 29.78 | 11.00 | 40.78 | 11.98 |
| | | HIGH | 3 695.00 | 29.66 | 11.00 | 40.66 | 11.64 |
| 3 | QPSK | LOW | 3 555.00 | 29.38 | 11.00 | 40.38 | 10.91 |
| | | MIDDLE | 3 625.00 | 29.08 | 11.00 | 40.08 | 10.19 |
| | | HIGH | 3 695.00 | 29.42 | 11.00 | 40.42 | 11.01 |
| | 16QAM | LOW | 3 555.00 | 29.62 | 11.00 | 40.62 | 11.54 |
| | | MIDDLE | 3 625.00 | 29.48 | 11.00 | 40.48 | 11.18 |
| | | HIGH | 3 695.00 | 29.08 | 11.00 | 40.08 | 10.19 |
| | 64QAM | LOW | 3 555.00 | 29.44 | 11.00 | 40.44 | 11.07 |
| | | MIDDLE | 3 625.00 | 29.12 | 11.00 | 40.12 | 10.29 |
| | | HIGH | 3 695.00 | 29.40 | 11.00 | 40.40 | 10.98 |
| | 256QAM | LOW | 3 555.00 | 29.89 | 11.00 | 40.89 | 12.28 |
| | | MIDDLE | 3 625.00 | 29.50 | 11.00 | 40.50 | 11.23 |
| | | HIGH | 3 695.00 | 29.37 | 11.00 | 40.37 | 10.88 |

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|-----------------|----------------|-------|-------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 555.00 | 44.94 | 48.09 | 46.14 | 45.52 |
| 3 625.00 | 41.42 | 45.75 | 42.40 | 46.20 |
| 3 695.00 | 43.26 | 41.54 | 43.29 | 44.52 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|-----------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 555.00 | 46.53 | 46.82 | 46.64 | 46.58 | 47.00 |
| 3 625.00 | 46.17 | 46.60 | 46.27 | 46.65 | |
| 3 695.00 | 46.36 | 46.18 | 46.36 | 46.49 | |

CBRS NR 20 MHz 1 Carrier

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 0 | QPSK | LOW | 3 560.00 | 32.79 | 11.00 | 43.79 | 23.93 |
| | | MIDDLE | 3 625.00 | 32.52 | 11.00 | 43.52 | 22.50 |
| | | HIGH | 3 690.00 | 32.29 | 11.00 | 43.29 | 21.33 |
| | 16QAM | LOW | 3 560.00 | 32.32 | 11.00 | 43.32 | 21.49 |
| | | MIDDLE | 3 625.00 | 32.05 | 11.00 | 43.05 | 20.17 |
| | | HIGH | 3 690.00 | 32.86 | 11.00 | 43.86 | 24.33 |
| | 64QAM | LOW | 3 560.00 | 32.70 | 11.00 | 43.70 | 23.42 |
| | | MIDDLE | 3 625.00 | 32.42 | 11.00 | 43.42 | 21.96 |
| | | HIGH | 3 690.00 | 32.12 | 11.00 | 43.12 | 20.49 |
| | 256QAM | LOW | 3 560.00 | 32.33 | 11.00 | 43.33 | 21.55 |
| | | MIDDLE | 3 625.00 | 32.12 | 11.00 | 43.12 | 20.49 |
| | | HIGH | 3 690.00 | 32.86 | 11.00 | 43.86 | 24.30 |
| 1 | QPSK | LOW | 3 560.00 | 32.78 | 11.00 | 43.78 | 23.90 |
| | | MIDDLE | 3 625.00 | 32.50 | 11.00 | 43.50 | 22.37 |
| | | HIGH | 3 690.00 | 32.25 | 11.00 | 43.25 | 21.12 |
| | 16QAM | LOW | 3 560.00 | 32.38 | 11.00 | 43.38 | 21.80 |
| | | MIDDLE | 3 625.00 | 32.97 | 11.00 | 43.97 | 24.94 |
| | | HIGH | 3 690.00 | 32.82 | 11.00 | 43.82 | 24.09 |
| | 64QAM | LOW | 3 560.00 | 32.77 | 11.00 | 43.77 | 23.85 |
| | | MIDDLE | 3 625.00 | 32.31 | 11.00 | 43.31 | 21.44 |
| | | HIGH | 3 690.00 | 32.16 | 11.00 | 43.16 | 20.70 |
| | 256QAM | LOW | 3 560.00 | 32.40 | 11.00 | 43.40 | 21.86 |
| | | MIDDLE | 3 625.00 | 32.03 | 11.00 | 43.03 | 20.07 |
| | | HIGH | 3 690.00 | 32.91 | 11.00 | 43.91 | 24.62 |

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 2 | QPSK | LOW | 3 560.00 | 32.84 | 11.00 | 43.84 | 24.22 |
| | | MIDDLE | 3 625.00 | 32.69 | 11.00 | 43.69 | 23.41 |
| | | HIGH | 3 690.00 | 32.49 | 11.00 | 43.49 | 22.31 |
| | 16QAM | LOW | 3 560.00 | 32.45 | 11.00 | 43.45 | 22.13 |
| | | MIDDLE | 3 625.00 | 32.26 | 11.00 | 43.26 | 21.16 |
| | | HIGH | 3 690.00 | 32.04 | 11.00 | 43.04 | 20.14 |
| | 64QAM | LOW | 3 560.00 | 32.80 | 11.00 | 43.80 | 24.01 |
| | | MIDDLE | 3 625.00 | 32.60 | 11.00 | 43.60 | 22.90 |
| | | HIGH | 3 690.00 | 32.37 | 11.00 | 43.37 | 21.73 |
| | 256QAM | LOW | 3 560.00 | 32.47 | 11.00 | 43.47 | 22.22 |
| | | MIDDLE | 3 625.00 | 32.23 | 11.00 | 43.23 | 21.02 |
| | | HIGH | 3 690.00 | 32.03 | 11.00 | 43.03 | 20.09 |
| 3 | QPSK | LOW | 3 560.00 | 32.59 | 11.00 | 43.59 | 22.88 |
| | | MIDDLE | 3 625.00 | 32.47 | 11.00 | 43.47 | 22.24 |
| | | HIGH | 3 690.00 | 32.22 | 11.00 | 43.22 | 20.98 |
| | 16QAM | LOW | 3 560.00 | 32.14 | 11.00 | 43.14 | 20.59 |
| | | MIDDLE | 3 625.00 | 32.05 | 11.00 | 43.05 | 20.16 |
| | | HIGH | 3 690.00 | 32.81 | 11.00 | 43.81 | 24.05 |
| | 64QAM | LOW | 3 560.00 | 32.53 | 11.00 | 43.53 | 22.55 |
| | | MIDDLE | 3 625.00 | 32.42 | 11.00 | 43.42 | 21.98 |
| | | HIGH | 3 690.00 | 32.17 | 11.00 | 43.17 | 20.76 |
| | 256QAM | LOW | 3 560.00 | 32.19 | 11.00 | 43.19 | 20.85 |
| | | MIDDLE | 3 625.00 | 32.13 | 11.00 | 43.13 | 20.54 |
| | | HIGH | 3 690.00 | 32.90 | 11.00 | 43.90 | 24.52 |

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|-----------------|----------------|-------|-------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 560.00 | 94.93 | 86.01 | 93.82 | 86.49 |
| 3 625.00 | 90.52 | 86.43 | 88.29 | 82.11 |
| 3 690.00 | 85.74 | 92.61 | 83.68 | 93.52 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|-----------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 560.00 | 46.76 | 46.34 | 46.71 | 46.36 | 47 |
| 3 625.00 | 46.56 | 46.36 | 46.45 | 46.13 | |
| 3 690.00 | 46.32 | 46.66 | 46.22 | 46.70 | |

CBRS NR 30 MHz 1 Carrier

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 0 | QPSK | LOW | 3 565.00 | 33.57 | 12.00 | 45.57 | 36.02 |
| | | MIDDLE | 3 625.00 | 33.22 | 12.00 | 45.22 | 33.28 |
| | | HIGH | 3 685.00 | 32.92 | 12.00 | 44.92 | 31.07 |
| | 16QAM | LOW | 3 565.00 | 33.61 | 12.00 | 45.61 | 36.43 |
| | | MIDDLE | 3 625.00 | 33.29 | 12.00 | 45.29 | 33.78 |
| | | HIGH | 3 685.00 | 33.01 | 12.00 | 45.01 | 31.69 |
| | 64QAM | LOW | 3 565.00 | 33.54 | 12.00 | 45.54 | 35.81 |
| | | MIDDLE | 3 625.00 | 33.19 | 12.00 | 45.19 | 33.04 |
| | | HIGH | 3 685.00 | 32.85 | 12.00 | 44.85 | 30.56 |
| | 256QAM | LOW | 3 565.00 | 33.62 | 12.00 | 45.62 | 36.49 |
| | | MIDDLE | 3 625.00 | 33.24 | 12.00 | 45.24 | 33.38 |
| | | HIGH | 3 685.00 | 32.98 | 12.00 | 44.98 | 31.46 |
| 1 | QPSK | LOW | 3 565.00 | 33.39 | 12.00 | 45.39 | 34.63 |
| | | MIDDLE | 3 625.00 | 33.13 | 12.00 | 45.13 | 32.55 |
| | | HIGH | 3 685.00 | 32.86 | 12.00 | 44.86 | 30.61 |
| | 16QAM | LOW | 3 565.00 | 33.56 | 12.00 | 45.56 | 35.99 |
| | | MIDDLE | 3 625.00 | 33.15 | 12.00 | 45.15 | 32.76 |
| | | HIGH | 3 685.00 | 32.91 | 12.00 | 44.91 | 31.00 |
| | 64QAM | LOW | 3 565.00 | 33.42 | 12.00 | 45.42 | 34.87 |
| | | MIDDLE | 3 625.00 | 33.08 | 12.00 | 45.08 | 32.20 |
| | | HIGH | 3 685.00 | 32.88 | 12.00 | 44.88 | 30.76 |
| | 256QAM | LOW | 3 565.00 | 33.56 | 12.00 | 45.56 | 36.02 |
| | | MIDDLE | 3 625.00 | 33.11 | 12.00 | 45.11 | 32.45 |
| | | HIGH | 3 685.00 | 32.94 | 12.00 | 44.94 | 31.18 |

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 2 | QPSK | LOW | 3 565.00 | 33.51 | 12.00 | 45.51 | 35.56 |
| | | MIDDLE | 3 625.00 | 33.35 | 12.00 | 45.35 | 34.27 |
| | | HIGH | 3 685.00 | 33.01 | 12.00 | 45.01 | 31.66 |
| | 16QAM | LOW | 3 565.00 | 33.65 | 12.00 | 45.65 | 36.70 |
| | | MIDDLE | 3 625.00 | 33.35 | 12.00 | 45.35 | 34.30 |
| | | HIGH | 3 685.00 | 33.16 | 12.00 | 45.16 | 32.78 |
| | 64QAM | LOW | 3 565.00 | 33.53 | 12.00 | 45.53 | 35.71 |
| | | MIDDLE | 3 625.00 | 33.27 | 12.00 | 45.27 | 33.61 |
| | | HIGH | 3 685.00 | 33.03 | 12.00 | 45.03 | 31.81 |
| | 256QAM | LOW | 3 565.00 | 33.65 | 12.00 | 45.65 | 36.70 |
| | | MIDDLE | 3 625.00 | 33.40 | 12.00 | 45.40 | 34.67 |
| | | HIGH | 3 685.00 | 33.10 | 12.00 | 45.10 | 32.33 |
| 3 | QPSK | LOW | 3 565.00 | 33.25 | 12.00 | 45.25 | 33.47 |
| | | MIDDLE | 3 625.00 | 33.12 | 12.00 | 45.12 | 32.55 |
| | | HIGH | 3 685.00 | 32.81 | 12.00 | 44.81 | 30.30 |
| | 16QAM | LOW | 3 565.00 | 33.34 | 12.00 | 45.34 | 34.18 |
| | | MIDDLE | 3 625.00 | 33.18 | 12.00 | 45.18 | 32.95 |
| | | HIGH | 3 685.00 | 32.88 | 12.00 | 44.88 | 30.79 |
| | 64QAM | LOW | 3 565.00 | 33.22 | 12.00 | 45.22 | 33.27 |
| | | MIDDLE | 3 625.00 | 33.10 | 12.00 | 45.10 | 32.38 |
| | | HIGH | 3 685.00 | 32.85 | 12.00 | 44.85 | 30.56 |
| | 256QAM | LOW | 3 565.00 | 33.34 | 12.00 | 45.34 | 34.21 |
| | | MIDDLE | 3 625.00 | 33.14 | 12.00 | 45.14 | 32.67 |
| | | HIGH | 3 685.00 | 32.82 | 12.00 | 44.82 | 30.31 |

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|-----------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 565.00 | 139.69 | 143.30 | 139.66 | 143.43 |
| 3 625.00 | 132.65 | 133.79 | 131.24 | 133.17 |
| 3 685.00 | 123.64 | 126.25 | 123.68 | 125.29 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|-----------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 565.00 | 46.68 | 46.79 | 46.68 | 46.80 | 47 |
| 3 625.00 | 46.46 | 46.49 | 46.41 | 46.47 | |
| 3 685.00 | 46.15 | 46.24 | 46.15 | 46.21 | |

CBRS NR 40 MHz 1 Carrier

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 0 | QPSK | LOW | 3 570.00 | 34.25 | 12.00 | 46.25 | 42.19 |
| | | MIDDLE | 3 625.00 | 34.21 | 12.00 | 46.21 | 41.77 |
| | | HIGH | 3 680.00 | 34.13 | 12.00 | 46.13 | 40.99 |
| | 16QAM | LOW | 3 570.00 | 34.71 | 12.00 | 46.71 | 46.89 |
| | | MIDDLE | 3 625.00 | 34.62 | 12.00 | 46.62 | 45.94 |
| | | HIGH | 3 680.00 | 34.57 | 12.00 | 46.57 | 45.38 |
| | 64QAM | LOW | 3 570.00 | 34.70 | 12.00 | 46.70 | 46.82 |
| | | MIDDLE | 3 625.00 | 34.46 | 12.00 | 46.46 | 44.28 |
| | | HIGH | 3 680.00 | 34.20 | 12.00 | 46.20 | 41.73 |
| | 256QAM | LOW | 3 570.00 | 34.65 | 12.00 | 46.65 | 46.18 |
| | | MIDDLE | 3 625.00 | 34.64 | 12.00 | 46.64 | 46.17 |
| | | HIGH | 3 680.00 | 34.39 | 12.00 | 46.39 | 43.52 |
| 1 | QPSK | LOW | 3 570.00 | 34.15 | 12.00 | 46.15 | 41.20 |
| | | MIDDLE | 3 625.00 | 34.05 | 12.00 | 46.05 | 40.24 |
| | | HIGH | 3 680.00 | 34.04 | 12.00 | 46.04 | 40.16 |
| | 16QAM | LOW | 3 570.00 | 34.58 | 12.00 | 46.58 | 45.51 |
| | | MIDDLE | 3 625.00 | 34.51 | 12.00 | 46.51 | 44.72 |
| | | HIGH | 3 680.00 | 34.48 | 12.00 | 46.48 | 44.43 |
| | 64QAM | LOW | 3 570.00 | 34.64 | 12.00 | 46.64 | 46.17 |
| | | MIDDLE | 3 625.00 | 34.28 | 12.00 | 46.28 | 42.41 |
| | | HIGH | 3 680.00 | 34.09 | 12.00 | 46.09 | 40.63 |
| | 256QAM | LOW | 3 570.00 | 34.48 | 12.00 | 46.48 | 44.46 |
| | | MIDDLE | 3 625.00 | 34.57 | 12.00 | 46.57 | 45.39 |
| | | HIGH | 3 680.00 | 34.30 | 12.00 | 46.30 | 42.68 |

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 2 | QPSK | LOW | 3 570.00 | 34.39 | 12.00 | 46.39 | 43.50 |
| | | MIDDLE | 3 625.00 | 34.33 | 12.00 | 46.33 | 42.95 |
| | | HIGH | 3 680.00 | 34.24 | 12.00 | 46.24 | 42.08 |
| | 16QAM | LOW | 3 570.00 | 34.72 | 12.00 | 46.72 | 47.02 |
| | | MIDDLE | 3 625.00 | 34.75 | 12.00 | 46.75 | 47.34 |
| | | HIGH | 3 680.00 | 34.55 | 12.00 | 46.55 | 45.15 |
| | 64QAM | LOW | 3 570.00 | 34.75 | 12.00 | 46.75 | 47.28 |
| | | MIDDLE | 3 625.00 | 34.61 | 12.00 | 46.61 | 45.80 |
| | | HIGH | 3 680.00 | 34.24 | 12.00 | 46.24 | 42.10 |
| | 256QAM | LOW | 3 570.00 | 34.54 | 12.00 | 46.54 | 45.09 |
| | | MIDDLE | 3 625.00 | 34.75 | 12.00 | 46.75 | 47.33 |
| | | HIGH | 3 680.00 | 34.45 | 12.00 | 46.45 | 44.20 |
| 3 | QPSK | LOW | 3 570.00 | 34.53 | 12.00 | 46.53 | 44.95 |
| | | MIDDLE | 3 625.00 | 34.07 | 12.00 | 46.07 | 40.44 |
| | | HIGH | 3 680.00 | 34.01 | 12.00 | 46.01 | 39.86 |
| | 16QAM | LOW | 3 570.00 | 34.97 | 12.00 | 46.97 | 49.73 |
| | | MIDDLE | 3 625.00 | 34.55 | 12.00 | 46.55 | 45.16 |
| | | HIGH | 3 680.00 | 34.26 | 12.00 | 46.26 | 42.30 |
| | 64QAM | LOW | 3 570.00 | 34.42 | 12.00 | 46.42 | 43.90 |
| | | MIDDLE | 3 625.00 | 34.47 | 12.00 | 46.47 | 44.35 |
| | | HIGH | 3 680.00 | 34.17 | 12.00 | 46.17 | 41.39 |
| | 256QAM | LOW | 3 570.00 | 34.30 | 12.00 | 46.30 | 42.68 |
| | | MIDDLE | 3 625.00 | 34.53 | 12.00 | 46.53 | 45.00 |
| | | HIGH | 3 680.00 | 34.20 | 12.00 | 46.20 | 41.73 |

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|-----------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 570.00 | 171.84 | 189.15 | 184.18 | 178.42 |
| 3 625.00 | 165.41 | 183.16 | 176.85 | 183.89 |
| 3 680.00 | 163.09 | 177.27 | 165.86 | 172.13 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|-----------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 570.00 | 46.33 | 46.75 | 46.63 | 46.49 | 47 |
| 3 625.00 | 46.17 | 46.61 | 46.46 | 46.63 | |
| 3 680.00 | 46.10 | 46.47 | 46.18 | 46.34 | |

CBRS NR 60 MHz 1 Carrier

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 0 | QPSK | LOW | 3 580.00 | 36.21 | 12.00 | 48.21 | 66.25 |
| | | MIDDLE | 3 625.00 | 36.06 | 12.00 | 48.06 | 63.91 |
| | | HIGH | 3 670.00 | 36.05 | 12.00 | 48.05 | 63.86 |
| | 16QAM | LOW | 3 580.00 | 35.92 | 12.00 | 47.92 | 61.93 |
| | | MIDDLE | 3 625.00 | 35.82 | 12.00 | 47.82 | 60.52 |
| | | HIGH | 3 670.00 | 35.81 | 12.00 | 47.81 | 60.41 |
| | 64QAM | LOW | 3 580.00 | 36.15 | 12.00 | 48.15 | 65.34 |
| | | MIDDLE | 3 625.00 | 36.22 | 12.00 | 48.22 | 66.36 |
| | | HIGH | 3 670.00 | 35.98 | 12.00 | 47.98 | 62.81 |
| | 256QAM | LOW | 3 580.00 | 36.06 | 12.00 | 48.06 | 64.02 |
| | | MIDDLE | 3 625.00 | 36.21 | 12.00 | 48.21 | 66.22 |
| | | HIGH | 3 670.00 | 35.99 | 12.00 | 47.99 | 62.99 |
| 1 | QPSK | LOW | 3 580.00 | 36.25 | 12.00 | 48.25 | 66.90 |
| | | MIDDLE | 3 625.00 | 35.94 | 12.00 | 47.94 | 62.20 |
| | | HIGH | 3 670.00 | 36.03 | 12.00 | 48.03 | 63.50 |
| | 16QAM | LOW | 3 580.00 | 35.88 | 12.00 | 47.88 | 61.42 |
| | | MIDDLE | 3 625.00 | 35.80 | 12.00 | 47.80 | 60.30 |
| | | HIGH | 3 670.00 | 35.85 | 12.00 | 47.85 | 60.98 |
| | 64QAM | LOW | 3 580.00 | 36.19 | 12.00 | 48.19 | 65.98 |
| | | MIDDLE | 3 625.00 | 36.13 | 12.00 | 48.13 | 65.07 |
| | | HIGH | 3 670.00 | 35.89 | 12.00 | 47.89 | 61.53 |
| | 256QAM | LOW | 3 580.00 | 35.98 | 12.00 | 47.98 | 62.79 |
| | | MIDDLE | 3 625.00 | 36.12 | 12.00 | 48.12 | 64.80 |
| | | HIGH | 3 670.00 | 35.92 | 12.00 | 47.92 | 61.90 |

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 2 | QPSK | LOW | 3 580.00 | 35.91 | 12.00 | 47.91 | 61.76 |
| | | MIDDLE | 3 625.00 | 36.25 | 12.00 | 48.25 | 66.79 |
| | | HIGH | 3 670.00 | 36.16 | 12.00 | 48.16 | 65.46 |
| | 16QAM | LOW | 3 580.00 | 35.87 | 12.00 | 47.87 | 61.26 |
| | | MIDDLE | 3 625.00 | 36.04 | 12.00 | 48.04 | 63.71 |
| | | HIGH | 3 670.00 | 35.85 | 12.00 | 47.85 | 60.88 |
| | 64QAM | LOW | 3 580.00 | 36.45 | 12.00 | 48.45 | 70.03 |
| | | MIDDLE | 3 625.00 | 36.40 | 12.00 | 48.40 | 69.18 |
| | | HIGH | 3 670.00 | 36.10 | 12.00 | 48.10 | 64.60 |
| | 256QAM | LOW | 3 580.00 | 36.12 | 12.00 | 48.12 | 64.88 |
| | | MIDDLE | 3 625.00 | 36.37 | 12.00 | 48.37 | 68.69 |
| | | HIGH | 3 670.00 | 36.07 | 12.00 | 48.07 | 64.05 |
| 3 | QPSK | LOW | 3 580.00 | 35.92 | 12.00 | 47.92 | 61.93 |
| | | MIDDLE | 3 625.00 | 36.14 | 12.00 | 48.14 | 65.10 |
| | | HIGH | 3 670.00 | 36.03 | 12.00 | 48.03 | 63.46 |
| | 16QAM | LOW | 3 580.00 | 36.02 | 12.00 | 48.02 | 63.34 |
| | | MIDDLE | 3 625.00 | 35.90 | 12.00 | 47.90 | 61.63 |
| | | HIGH | 3 670.00 | 35.91 | 12.00 | 47.91 | 61.80 |
| | 64QAM | LOW | 3 580.00 | 36.36 | 12.00 | 48.36 | 68.56 |
| | | MIDDLE | 3 625.00 | 36.26 | 12.00 | 48.26 | 66.96 |
| | | HIGH | 3 670.00 | 36.19 | 12.00 | 48.19 | 65.96 |
| | 256QAM | LOW | 3 580.00 | 36.13 | 12.00 | 48.13 | 64.98 |
| | | MIDDLE | 3 625.00 | 36.22 | 12.00 | 48.22 | 66.44 |
| | | HIGH | 3 670.00 | 36.19 | 12.00 | 48.19 | 65.96 |

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|-----------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 580.00 | 256.84 | 247.95 | 269.92 | 256.67 |
| 3 625.00 | 258.01 | 246.16 | 267.57 | 266.15 |
| 3 670.00 | 256.28 | 244.08 | 254.90 | 254.91 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|-----------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 580.00 | 46.32 | 46.16 | 46.53 | 46.31 | 47 |
| 3 625.00 | 46.33 | 46.13 | 46.49 | 46.47 | |
| 3 670.00 | 46.31 | 46.09 | 46.28 | 46.28 | |

CBRS NR 80 MHz 1 Carrier

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 0 | QPSK | LOW | 3 590.00 | 36.31 | 13.00 | 49.31 | 85.29 |
| | | MIDDLE | 3 625.00 | 36.35 | 13.00 | 49.35 | 86.16 |
| | | HIGH | 3 660.00 | 36.28 | 13.00 | 49.28 | 84.78 |
| | 16QAM | LOW | 3 590.00 | 36.36 | 13.00 | 49.36 | 86.22 |
| | | MIDDLE | 3 625.00 | 36.31 | 13.00 | 49.31 | 85.33 |
| | | HIGH | 3 660.00 | 36.32 | 13.00 | 49.32 | 85.55 |
| | 64QAM | LOW | 3 590.00 | 36.42 | 13.00 | 49.42 | 87.54 |
| | | MIDDLE | 3 625.00 | 36.32 | 13.00 | 49.32 | 85.57 |
| | | HIGH | 3 660.00 | 36.25 | 13.00 | 49.25 | 84.04 |
| | 256QAM | LOW | 3 590.00 | 36.45 | 13.00 | 49.45 | 88.04 |
| | | MIDDLE | 3 625.00 | 36.35 | 13.00 | 49.35 | 86.20 |
| | | HIGH | 3 660.00 | 36.25 | 13.00 | 49.25 | 84.14 |
| 1 | QPSK | LOW | 3 590.00 | 36.36 | 13.00 | 49.36 | 86.30 |
| | | MIDDLE | 3 625.00 | 36.53 | 13.00 | 49.53 | 89.66 |
| | | HIGH | 3 660.00 | 36.48 | 13.00 | 49.48 | 88.78 |
| | 16QAM | LOW | 3 590.00 | 36.41 | 13.00 | 49.41 | 87.20 |
| | | MIDDLE | 3 625.00 | 36.53 | 13.00 | 49.53 | 89.68 |
| | | HIGH | 3 660.00 | 36.45 | 13.00 | 49.45 | 88.08 |
| | 64QAM | LOW | 3 590.00 | 36.48 | 13.00 | 49.48 | 88.78 |
| | | MIDDLE | 3 625.00 | 36.55 | 13.00 | 49.55 | 90.14 |
| | | HIGH | 3 660.00 | 36.49 | 13.00 | 49.49 | 88.92 |
| | 256QAM | LOW | 3 590.00 | 36.57 | 13.00 | 49.57 | 90.59 |
| | | MIDDLE | 3 625.00 | 36.47 | 13.00 | 49.47 | 88.57 |
| | | HIGH | 3 660.00 | 36.46 | 13.00 | 49.46 | 88.21 |

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 2 | QPSK | LOW | 3 590.00 | 36.43 | 13.00 | 49.43 | 87.70 |
| | | MIDDLE | 3 625.00 | 36.31 | 13.00 | 49.31 | 85.33 |
| | | HIGH | 3 660.00 | 36.14 | 13.00 | 49.14 | 82.00 |
| | 16QAM | LOW | 3 590.00 | 36.44 | 13.00 | 49.44 | 87.88 |
| | | MIDDLE | 3 625.00 | 36.29 | 13.00 | 49.29 | 84.86 |
| | | HIGH | 3 660.00 | 36.15 | 13.00 | 49.15 | 82.21 |
| | 64QAM | LOW | 3 590.00 | 36.52 | 13.00 | 49.52 | 89.56 |
| | | MIDDLE | 3 625.00 | 36.25 | 13.00 | 49.25 | 84.16 |
| | | HIGH | 3 660.00 | 36.47 | 13.00 | 49.47 | 88.57 |
| | 256QAM | LOW | 3 590.00 | 36.51 | 13.00 | 49.51 | 89.27 |
| | | MIDDLE | 3 625.00 | 36.21 | 13.00 | 49.21 | 83.35 |
| | | HIGH | 3 660.00 | 36.17 | 13.00 | 49.17 | 82.55 |
| 3 | QPSK | LOW | 3 590.00 | 36.14 | 13.00 | 49.14 | 82.13 |
| | | MIDDLE | 3 625.00 | 36.27 | 13.00 | 49.27 | 84.57 |
| | | HIGH | 3 660.00 | 36.16 | 13.00 | 49.16 | 82.38 |
| | 16QAM | LOW | 3 590.00 | 36.16 | 13.00 | 49.16 | 82.34 |
| | | MIDDLE | 3 625.00 | 36.29 | 13.00 | 49.29 | 84.86 |
| | | HIGH | 3 660.00 | 36.15 | 13.00 | 49.15 | 82.22 |
| | 64QAM | LOW | 3 590.00 | 36.20 | 13.00 | 49.20 | 83.18 |
| | | MIDDLE | 3 625.00 | 36.29 | 13.00 | 49.29 | 84.98 |
| | | HIGH | 3 660.00 | 36.28 | 13.00 | 49.28 | 84.68 |
| | 256QAM | LOW | 3 590.00 | 36.27 | 13.00 | 49.27 | 84.51 |
| | | MIDDLE | 3 625.00 | 36.56 | 13.00 | 49.56 | 90.43 |
| | | HIGH | 3 660.00 | 36.15 | 13.00 | 49.15 | 82.26 |

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|-----------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 590.00 | 341.42 | 343.64 | 349.05 | 352.42 |
| 3 625.00 | 345.72 | 344.73 | 344.84 | 348.55 |
| 3 660.00 | 337.93 | 338.06 | 346.22 | 337.15 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|-----------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 590.00 | 46.30 | 46.33 | 46.40 | 46.44 | 47 |
| 3 625.00 | 46.36 | 46.34 | 46.35 | 46.39 | |
| 3 660.00 | 46.26 | 46.26 | 46.36 | 46.25 | |

CBRS NR 100 MHz 1 Carrier

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 0 | QPSK | LOW | 3 600.00 | 36.13 | 13.00 | 49.13 | 81.92 |
| | | MIDDLE | 3 625.00 | 36.06 | 13.00 | 49.06 | 80.54 |
| | | HIGH | 3 650.00 | 36.04 | 13.00 | 49.04 | 80.19 |
| | 16QAM | LOW | 3 600.00 | 36.21 | 13.00 | 49.21 | 83.31 |
| | | MIDDLE | 3 625.00 | 36.15 | 13.00 | 49.15 | 82.22 |
| | | HIGH | 3 650.00 | 36.07 | 13.00 | 49.07 | 80.74 |
| | 64QAM | LOW | 3 600.00 | 36.15 | 13.00 | 49.15 | 82.28 |
| | | MIDDLE | 3 625.00 | 36.16 | 13.00 | 49.16 | 82.49 |
| | | HIGH | 3 650.00 | 36.23 | 13.00 | 49.23 | 83.70 |
| | 256QAM | LOW | 3 600.00 | 36.12 | 13.00 | 49.12 | 81.73 |
| | | MIDDLE | 3 625.00 | 36.02 | 13.00 | 49.02 | 79.85 |
| | | HIGH | 3 650.00 | 36.27 | 13.00 | 49.27 | 84.45 |
| 1 | QPSK | LOW | 3 600.00 | 36.21 | 13.00 | 49.21 | 83.43 |
| | | MIDDLE | 3 625.00 | 36.20 | 13.00 | 49.20 | 83.25 |
| | | HIGH | 3 650.00 | 36.04 | 13.00 | 49.04 | 80.15 |
| | 16QAM | LOW | 3 600.00 | 36.30 | 13.00 | 49.30 | 85.15 |
| | | MIDDLE | 3 625.00 | 36.25 | 13.00 | 49.25 | 84.18 |
| | | HIGH | 3 650.00 | 36.08 | 13.00 | 49.08 | 80.85 |
| | 64QAM | LOW | 3 600.00 | 36.29 | 13.00 | 49.29 | 84.90 |
| | | MIDDLE | 3 625.00 | 36.25 | 13.00 | 49.25 | 84.06 |
| | | HIGH | 3 650.00 | 36.26 | 13.00 | 49.26 | 84.39 |
| | 256QAM | LOW | 3 600.00 | 36.26 | 13.00 | 49.26 | 84.33 |
| | | MIDDLE | 3 625.00 | 36.06 | 13.00 | 49.06 | 80.56 |
| | | HIGH | 3 650.00 | 36.32 | 13.00 | 49.32 | 85.43 |

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 2 | QPSK | LOW | 3 600.00 | 36.72 | 13.00 | 49.72 | 93.76 |
| | | MIDDLE | 3 625.00 | 36.70 | 13.00 | 49.70 | 93.30 |
| | | HIGH | 3 650.00 | 36.58 | 13.00 | 49.58 | 90.74 |
| | 16QAM | LOW | 3 600.00 | 36.82 | 13.00 | 49.82 | 95.83 |
| | | MIDDLE | 3 625.00 | 36.75 | 13.00 | 49.75 | 94.34 |
| | | HIGH | 3 650.00 | 36.77 | 13.00 | 49.77 | 94.89 |
| | 64QAM | LOW | 3 600.00 | 36.80 | 13.00 | 49.80 | 95.59 |
| | | MIDDLE | 3 625.00 | 36.58 | 13.00 | 49.58 | 90.78 |
| | | HIGH | 3 650.00 | 36.84 | 13.00 | 49.84 | 96.32 |
| | 256QAM | LOW | 3 600.00 | 36.83 | 13.00 | 49.83 | 96.12 |
| | | MIDDLE | 3 625.00 | 36.63 | 13.00 | 49.63 | 91.81 |
| | | HIGH | 3 650.00 | 36.82 | 13.00 | 49.82 | 95.98 |
| 3 | QPSK | LOW | 3 600.00 | 36.58 | 13.00 | 49.58 | 90.76 |
| | | MIDDLE | 3 625.00 | 36.64 | 13.00 | 49.64 | 92.04 |
| | | HIGH | 3 650.00 | 36.36 | 13.00 | 49.36 | 86.38 |
| | 16QAM | LOW | 3 600.00 | 36.72 | 13.00 | 49.72 | 93.67 |
| | | MIDDLE | 3 625.00 | 36.66 | 13.00 | 49.66 | 92.38 |
| | | HIGH | 3 650.00 | 36.63 | 13.00 | 49.63 | 91.88 |
| | 64QAM | LOW | 3 600.00 | 36.74 | 13.00 | 49.74 | 94.19 |
| | | MIDDLE | 3 625.00 | 36.55 | 13.00 | 49.55 | 90.20 |
| | | HIGH | 3 650.00 | 36.65 | 13.00 | 49.65 | 92.21 |
| | 256QAM | LOW | 3 600.00 | 36.71 | 13.00 | 49.71 | 93.48 |
| | | MIDDLE | 3 625.00 | 36.54 | 13.00 | 49.54 | 89.93 |
| | | HIGH | 3 650.00 | 36.69 | 13.00 | 49.69 | 93.09 |

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|-----------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 600.00 | 349.86 | 357.96 | 356.96 | 355.66 |
| 3 625.00 | 349.14 | 353.13 | 347.53 | 342.15 |
| 3 650.00 | 337.45 | 348.36 | 356.62 | 358.95 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|-----------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 600.00 | 45.44 | 45.54 | 45.53 | 45.51 | 47 |
| 3 625.00 | 45.43 | 45.48 | 45.41 | 45.34 | |
| 3 650.00 | 45.28 | 45.42 | 45.52 | 45.55 | |

CBRS LTE 5 MHz 1 Carrier

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 0 | QPSK | LOW | 3 552.50 | 26.81 | 11.00 | 37.81 | 6.04 |
| | | MIDDLE | 3 625.00 | 26.57 | 11.00 | 37.57 | 5.72 |
| | | HIGH | 3 697.50 | 26.67 | 11.00 | 37.67 | 5.85 |
| | 16QAM | LOW | 3 552.50 | 26.37 | 11.00 | 37.37 | 5.46 |
| | | MIDDLE | 3 625.00 | 26.22 | 11.00 | 37.22 | 5.27 |
| | | HIGH | 3 697.50 | 26.10 | 11.00 | 37.10 | 5.12 |
| | 64QAM | LOW | 3 552.50 | 26.06 | 11.00 | 37.06 | 5.08 |
| | | MIDDLE | 3 625.00 | 26.02 | 11.00 | 37.02 | 5.04 |
| | | HIGH | 3 697.50 | 26.07 | 11.00 | 37.07 | 5.09 |
| | 256QAM | LOW | 3 552.50 | 26.48 | 11.00 | 37.48 | 5.59 |
| | | MIDDLE | 3 625.00 | 26.36 | 11.00 | 37.36 | 5.44 |
| | | HIGH | 3 697.50 | 26.10 | 11.00 | 37.10 | 5.13 |
| 1 | QPSK | LOW | 3 552.50 | 26.90 | 11.00 | 37.90 | 6.17 |
| | | MIDDLE | 3 625.00 | 26.54 | 11.00 | 37.54 | 5.68 |
| | | HIGH | 3 697.50 | 26.44 | 11.00 | 37.44 | 5.55 |
| | 16QAM | LOW | 3 552.50 | 26.58 | 11.00 | 37.58 | 5.73 |
| | | MIDDLE | 3 625.00 | 26.28 | 11.00 | 37.28 | 5.34 |
| | | HIGH | 3 697.50 | 26.03 | 11.00 | 37.03 | 5.05 |
| | 64QAM | LOW | 3 552.50 | 26.16 | 11.00 | 37.16 | 5.20 |
| | | MIDDLE | 3 625.00 | 26.06 | 11.00 | 37.06 | 5.08 |
| | | HIGH | 3 697.50 | 26.07 | 11.00 | 37.07 | 5.09 |
| | 256QAM | LOW | 3 552.50 | 26.63 | 11.00 | 37.63 | 5.79 |
| | | MIDDLE | 3 625.00 | 26.29 | 11.00 | 37.29 | 5.36 |
| | | HIGH | 3 697.50 | 26.10 | 11.00 | 37.10 | 5.12 |

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 2 | QPSK | LOW | 3 552.50 | 26.98 | 11.00 | 37.98 | 6.28 |
| | | MIDDLE | 3 625.00 | 26.75 | 11.00 | 37.75 | 5.96 |
| | | HIGH | 3 697.50 | 26.61 | 11.00 | 37.61 | 5.77 |
| | 16QAM | LOW | 3 552.50 | 26.74 | 11.00 | 37.74 | 5.95 |
| | | MIDDLE | 3 625.00 | 26.42 | 11.00 | 37.42 | 5.52 |
| | | HIGH | 3 697.50 | 26.26 | 11.00 | 37.26 | 5.32 |
| | 64QAM | LOW | 3 552.50 | 26.27 | 11.00 | 37.27 | 5.33 |
| | | MIDDLE | 3 625.00 | 26.03 | 11.00 | 37.03 | 5.04 |
| | | HIGH | 3 697.50 | 26.06 | 11.00 | 37.06 | 5.08 |
| | 256QAM | LOW | 3 552.50 | 26.73 | 11.00 | 37.73 | 5.93 |
| | | MIDDLE | 3 625.00 | 26.45 | 11.00 | 37.45 | 5.56 |
| | | HIGH | 3 697.50 | 26.09 | 11.00 | 37.09 | 5.12 |
| 3 | QPSK | LOW | 3 552.50 | 26.86 | 11.00 | 37.86 | 6.12 |
| | | MIDDLE | 3 625.00 | 26.61 | 11.00 | 37.61 | 5.77 |
| | | HIGH | 3 697.50 | 26.53 | 11.00 | 37.53 | 5.67 |
| | 16QAM | LOW | 3 552.50 | 26.48 | 11.00 | 37.48 | 5.60 |
| | | MIDDLE | 3 625.00 | 26.34 | 11.00 | 37.34 | 5.42 |
| | | HIGH | 3 697.50 | 26.03 | 11.00 | 37.03 | 5.05 |
| | 64QAM | LOW | 3 552.50 | 26.06 | 11.00 | 37.06 | 5.08 |
| | | MIDDLE | 3 625.00 | 26.08 | 11.00 | 37.08 | 5.11 |
| | | HIGH | 3 697.50 | 26.09 | 11.00 | 37.09 | 5.12 |
| | 256QAM | LOW | 3 552.50 | 26.50 | 11.00 | 37.50 | 5.63 |
| | | MIDDLE | 3 625.00 | 26.44 | 11.00 | 37.44 | 5.55 |
| | | HIGH | 3 697.50 | 26.04 | 11.00 | 37.04 | 5.06 |

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|-----------------|----------------|-------|-------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 552.50 | 24.61 | 22.74 | 20.69 | 22.95 |
| 3 625.00 | 23.13 | 21.56 | 20.27 | 21.91 |
| 3 697.50 | 22.84 | 20.54 | 20.38 | 20.44 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|-----------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 552.50 | 46.92 | 46.58 | 46.17 | 46.62 | 47 |
| 3 625.00 | 46.65 | 46.35 | 46.08 | 46.42 | |
| 3 697.50 | 46.60 | 46.14 | 46.10 | 46.11 | |

CBRS LTE 10 MHz 1 Carrier

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 0 | QPSK | LOW | 3 555.00 | 29.56 | 11.00 | 40.56 | 11.38 |
| | | MIDDLE | 3 625.00 | 29.35 | 11.00 | 40.35 | 10.83 |
| | | HIGH | 3 695.00 | 29.13 | 11.00 | 40.13 | 10.31 |
| | 16QAM | LOW | 3 555.00 | 29.47 | 11.00 | 40.47 | 11.15 |
| | | MIDDLE | 3 625.00 | 29.33 | 11.00 | 40.33 | 10.79 |
| | | HIGH | 3 695.00 | 29.11 | 11.00 | 40.11 | 10.24 |
| | 64QAM | LOW | 3 555.00 | 29.65 | 11.00 | 40.65 | 11.61 |
| | | MIDDLE | 3 625.00 | 29.69 | 11.00 | 40.69 | 11.72 |
| | | HIGH | 3 695.00 | 29.47 | 11.00 | 40.47 | 11.15 |
| | 256QAM | LOW | 3 555.00 | 29.64 | 11.00 | 40.64 | 11.60 |
| | | MIDDLE | 3 625.00 | 29.01 | 11.00 | 40.01 | 10.03 |
| | | HIGH | 3 695.00 | 29.38 | 11.00 | 40.38 | 10.92 |
| 1 | QPSK | LOW | 3 555.00 | 29.43 | 11.00 | 40.43 | 11.04 |
| | | MIDDLE | 3 625.00 | 29.18 | 11.00 | 40.18 | 10.42 |
| | | HIGH | 3 695.00 | 29.17 | 11.00 | 40.17 | 10.40 |
| | 16QAM | LOW | 3 555.00 | 29.66 | 11.00 | 40.66 | 11.65 |
| | | MIDDLE | 3 625.00 | 29.32 | 11.00 | 40.32 | 10.77 |
| | | HIGH | 3 695.00 | 29.06 | 11.00 | 40.06 | 10.15 |
| | 64QAM | LOW | 3 555.00 | 29.69 | 11.00 | 40.69 | 11.72 |
| | | MIDDLE | 3 625.00 | 29.56 | 11.00 | 40.56 | 11.37 |
| | | HIGH | 3 695.00 | 29.60 | 11.00 | 40.60 | 11.48 |
| | 256QAM | LOW | 3 555.00 | 29.49 | 11.00 | 40.49 | 11.20 |
| | | MIDDLE | 3 625.00 | 29.12 | 11.00 | 40.12 | 10.29 |
| | | HIGH | 3 695.00 | 29.32 | 11.00 | 40.32 | 10.75 |

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 2 | QPSK | LOW | 3 555.00 | 29.52 | 11.00 | 40.52 | 11.26 |
| | | MIDDLE | 3 625.00 | 29.29 | 11.00 | 40.29 | 10.70 |
| | | HIGH | 3 695.00 | 29.12 | 11.00 | 40.12 | 10.27 |
| | 16QAM | LOW | 3 555.00 | 29.71 | 11.00 | 40.71 | 11.77 |
| | | MIDDLE | 3 625.00 | 29.31 | 11.00 | 40.31 | 10.74 |
| | | HIGH | 3 695.00 | 29.14 | 11.00 | 40.14 | 10.32 |
| | 64QAM | LOW | 3 555.00 | 29.66 | 11.00 | 40.66 | 11.63 |
| | | MIDDLE | 3 625.00 | 29.91 | 11.00 | 40.91 | 12.35 |
| | | HIGH | 3 695.00 | 29.81 | 11.00 | 40.81 | 12.06 |
| | 256QAM | LOW | 3 555.00 | 29.56 | 11.00 | 40.56 | 11.38 |
| | | MIDDLE | 3 625.00 | 29.20 | 11.00 | 40.20 | 10.48 |
| | | HIGH | 3 695.00 | 29.13 | 11.00 | 40.13 | 10.29 |
| 3 | QPSK | LOW | 3 555.00 | 29.37 | 11.00 | 40.37 | 10.89 |
| | | MIDDLE | 3 625.00 | 29.11 | 11.00 | 40.11 | 10.25 |
| | | HIGH | 3 695.00 | 29.14 | 11.00 | 40.14 | 10.34 |
| | 16QAM | LOW | 3 555.00 | 29.40 | 11.00 | 40.40 | 10.97 |
| | | MIDDLE | 3 625.00 | 29.23 | 11.00 | 40.23 | 10.55 |
| | | HIGH | 3 695.00 | 29.07 | 11.00 | 40.07 | 10.16 |
| | 64QAM | LOW | 3 555.00 | 29.89 | 11.00 | 40.89 | 12.29 |
| | | MIDDLE | 3 625.00 | 29.68 | 11.00 | 40.68 | 11.69 |
| | | HIGH | 3 695.00 | 29.79 | 11.00 | 40.79 | 12.01 |
| | 256QAM | LOW | 3 555.00 | 29.18 | 11.00 | 40.18 | 10.43 |
| | | MIDDLE | 3 625.00 | 29.19 | 11.00 | 40.19 | 10.44 |
| | | HIGH | 3 695.00 | 29.08 | 11.00 | 40.08 | 10.19 |

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|-----------------|----------------|-------|-------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 555.00 | 44.58 | 45.55 | 47.25 | 44.62 |
| 3 625.00 | 42.19 | 42.86 | 47.13 | 41.25 |
| 3 695.00 | 41.32 | 40.87 | 46.70 | 42.16 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|-----------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 555.00 | 46.49 | 46.58 | 46.74 | 46.49 | 47 |
| 3 625.00 | 46.25 | 46.32 | 46.73 | 46.15 | |
| 3 695.00 | 46.16 | 46.11 | 46.69 | 46.25 | |

CBRS LTE 15 MHz 1 Carrier

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 0 | QPSK | LOW | 3 557.50 | 31.06 | 11.00 | 42.06 | 16.06 |
| | | MIDDLE | 3 625.00 | 30.96 | 11.00 | 41.96 | 15.69 |
| | | HIGH | 3 692.50 | 30.84 | 11.00 | 41.84 | 15.28 |
| | 16QAM | LOW | 3 557.50 | 31.34 | 11.00 | 42.34 | 17.13 |
| | | MIDDLE | 3 625.00 | 31.12 | 11.00 | 42.12 | 16.31 |
| | | HIGH | 3 692.50 | 30.94 | 11.00 | 41.94 | 15.63 |
| | 64QAM | LOW | 3 557.50 | 31.21 | 11.00 | 42.21 | 16.64 |
| | | MIDDLE | 3 625.00 | 31.12 | 11.00 | 42.12 | 16.31 |
| | | HIGH | 3 692.50 | 31.00 | 11.00 | 42.00 | 15.86 |
| | 256QAM | LOW | 3 557.50 | 31.49 | 11.00 | 42.49 | 17.74 |
| | | MIDDLE | 3 625.00 | 31.55 | 11.00 | 42.55 | 17.99 |
| | | HIGH | 3 692.50 | 31.37 | 11.00 | 42.37 | 17.27 |
| 1 | QPSK | LOW | 3 557.50 | 31.13 | 11.00 | 42.13 | 16.34 |
| | | MIDDLE | 3 625.00 | 30.93 | 11.00 | 41.93 | 15.60 |
| | | HIGH | 3 692.50 | 31.05 | 11.00 | 42.05 | 16.04 |
| | 16QAM | LOW | 3 557.50 | 31.40 | 11.00 | 42.40 | 17.37 |
| | | MIDDLE | 3 625.00 | 31.17 | 11.00 | 42.17 | 16.50 |
| | | HIGH | 3 692.50 | 30.85 | 11.00 | 41.85 | 15.31 |
| | 64QAM | LOW | 3 557.50 | 31.28 | 11.00 | 42.28 | 16.90 |
| | | MIDDLE | 3 625.00 | 31.07 | 11.00 | 42.07 | 16.10 |
| | | HIGH | 3 692.50 | 30.83 | 11.00 | 41.83 | 15.22 |
| | 256QAM | LOW | 3 557.50 | 31.56 | 11.00 | 42.56 | 18.05 |
| | | MIDDLE | 3 625.00 | 31.43 | 11.00 | 42.43 | 17.49 |
| | | HIGH | 3 692.50 | 31.15 | 11.00 | 42.15 | 16.41 |

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 2 | QPSK | LOW | 3 557.50 | 31.22 | 11.00 | 42.22 | 16.68 |
| | | MIDDLE | 3 625.00 | 31.10 | 11.00 | 42.10 | 16.23 |
| | | HIGH | 3 692.50 | 30.86 | 11.00 | 41.86 | 15.33 |
| | 16QAM | LOW | 3 557.50 | 31.50 | 11.00 | 42.50 | 17.79 |
| | | MIDDLE | 3 625.00 | 31.23 | 11.00 | 42.23 | 16.70 |
| | | HIGH | 3 692.50 | 31.07 | 11.00 | 42.07 | 16.12 |
| | 64QAM | LOW | 3 557.50 | 31.51 | 11.00 | 42.51 | 17.82 |
| | | MIDDLE | 3 625.00 | 31.27 | 11.00 | 42.27 | 16.88 |
| | | HIGH | 3 692.50 | 31.12 | 11.00 | 42.12 | 16.28 |
| | 256QAM | LOW | 3 557.50 | 31.51 | 11.00 | 42.51 | 17.81 |
| | | MIDDLE | 3 625.00 | 31.57 | 11.00 | 42.57 | 18.08 |
| | | HIGH | 3 692.50 | 31.30 | 11.00 | 42.30 | 16.98 |
| 3 | QPSK | LOW | 3 557.50 | 31.24 | 11.00 | 42.24 | 16.74 |
| | | MIDDLE | 3 625.00 | 31.14 | 11.00 | 42.14 | 16.38 |
| | | HIGH | 3 692.50 | 30.85 | 11.00 | 41.85 | 15.30 |
| | 16QAM | LOW | 3 557.50 | 31.25 | 11.00 | 42.25 | 16.78 |
| | | MIDDLE | 3 625.00 | 31.10 | 11.00 | 42.10 | 16.21 |
| | | HIGH | 3 692.50 | 31.02 | 11.00 | 42.02 | 15.93 |
| | 64QAM | LOW | 3 557.50 | 31.43 | 11.00 | 42.43 | 17.49 |
| | | MIDDLE | 3 625.00 | 31.37 | 11.00 | 42.37 | 17.24 |
| | | HIGH | 3 692.50 | 31.00 | 11.00 | 42.00 | 15.85 |
| | 256QAM | LOW | 3 557.50 | 31.75 | 11.00 | 42.75 | 18.83 |
| | | MIDDLE | 3 625.00 | 31.67 | 11.00 | 42.67 | 18.49 |
| | | HIGH | 3 692.50 | 31.22 | 11.00 | 42.22 | 16.68 |

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|-----------------|----------------|-------|-------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 557.50 | 65.82 | 69.07 | 68.85 | 72.44 |
| 3 625.00 | 63.89 | 65.72 | 66.53 | 72.06 |
| 3 692.50 | 61.96 | 62.99 | 63.21 | 67.35 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|-----------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 557.50 | 46.42 | 46.63 | 46.62 | 46.84 | 47 |
| 3 625.00 | 46.29 | 46.42 | 46.47 | 46.82 | |
| 3 692.50 | 46.16 | 46.23 | 46.25 | 46.52 | |

CBRS LTE 20 MHz 1 Carrier

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 0 | QPSK | LOW | 3 560.00 | 32.90 | 11.00 | 43.90 | 24.55 |
| | | MIDDLE | 3 625.00 | 32.60 | 11.00 | 43.60 | 22.88 |
| | | HIGH | 3 690.00 | 32.40 | 11.00 | 43.40 | 21.87 |
| | 16QAM | LOW | 3 560.00 | 32.39 | 11.00 | 43.39 | 21.82 |
| | | MIDDLE | 3 625.00 | 32.17 | 11.00 | 43.17 | 20.77 |
| | | HIGH | 3 690.00 | 32.44 | 11.00 | 43.44 | 22.09 |
| | 64QAM | LOW | 3 560.00 | 32.26 | 11.00 | 43.26 | 21.21 |
| | | MIDDLE | 3 625.00 | 32.47 | 11.00 | 43.47 | 22.21 |
| | | HIGH | 3 690.00 | 32.47 | 11.00 | 43.47 | 22.24 |
| | 256QAM | LOW | 3 560.00 | 32.75 | 11.00 | 43.75 | 23.71 |
| | | MIDDLE | 3 625.00 | 32.43 | 11.00 | 43.43 | 22.03 |
| | | HIGH | 3 690.00 | 32.25 | 11.00 | 43.25 | 21.14 |
| 1 | QPSK | LOW | 3 560.00 | 32.86 | 11.00 | 43.86 | 24.33 |
| | | MIDDLE | 3 625.00 | 32.53 | 11.00 | 43.53 | 22.56 |
| | | HIGH | 3 690.00 | 32.28 | 11.00 | 43.28 | 21.30 |
| | 16QAM | LOW | 3 560.00 | 32.54 | 11.00 | 43.54 | 22.58 |
| | | MIDDLE | 3 625.00 | 32.16 | 11.00 | 43.16 | 20.71 |
| | | HIGH | 3 690.00 | 32.04 | 11.00 | 43.04 | 20.15 |
| | 64QAM | LOW | 3 560.00 | 32.24 | 11.00 | 43.24 | 21.09 |
| | | MIDDLE | 3 625.00 | 32.42 | 11.00 | 43.42 | 21.99 |
| | | HIGH | 3 690.00 | 32.40 | 11.00 | 43.40 | 21.86 |
| | 256QAM | LOW | 3 560.00 | 32.71 | 11.00 | 43.71 | 23.48 |
| | | MIDDLE | 3 625.00 | 32.35 | 11.00 | 43.35 | 21.61 |
| | | HIGH | 3 690.00 | 32.04 | 11.00 | 43.04 | 20.12 |

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 2 | QPSK | LOW | 3 560.00 | 32.98 | 11.00 | 43.98 | 24.99 |
| | | MIDDLE | 3 625.00 | 32.70 | 11.00 | 43.70 | 23.43 |
| | | HIGH | 3 690.00 | 32.44 | 11.00 | 43.44 | 22.09 |
| | 16QAM | LOW | 3 560.00 | 32.57 | 11.00 | 43.57 | 22.74 |
| | | MIDDLE | 3 625.00 | 32.31 | 11.00 | 43.31 | 21.45 |
| | | HIGH | 3 690.00 | 32.07 | 11.00 | 43.07 | 20.29 |
| | 64QAM | LOW | 3 560.00 | 32.34 | 11.00 | 43.34 | 21.56 |
| | | MIDDLE | 3 625.00 | 32.03 | 11.00 | 43.03 | 20.11 |
| | | HIGH | 3 690.00 | 32.43 | 11.00 | 43.43 | 22.02 |
| | 256QAM | LOW | 3 560.00 | 32.79 | 11.00 | 43.79 | 23.91 |
| | | MIDDLE | 3 625.00 | 32.50 | 11.00 | 43.50 | 22.38 |
| | | HIGH | 3 690.00 | 32.34 | 11.00 | 43.34 | 21.55 |
| 3 | QPSK | LOW | 3 560.00 | 32.93 | 11.00 | 43.93 | 24.70 |
| | | MIDDLE | 3 625.00 | 32.71 | 11.00 | 43.71 | 23.50 |
| | | HIGH | 3 690.00 | 32.39 | 11.00 | 43.39 | 21.81 |
| | 16QAM | LOW | 3 560.00 | 32.38 | 11.00 | 43.38 | 21.78 |
| | | MIDDLE | 3 625.00 | 32.22 | 11.00 | 43.22 | 21.00 |
| | | HIGH | 3 690.00 | 32.46 | 11.00 | 43.46 | 22.20 |
| | 64QAM | LOW | 3 560.00 | 32.31 | 11.00 | 43.31 | 21.45 |
| | | MIDDLE | 3 625.00 | 32.04 | 11.00 | 43.04 | 20.13 |
| | | HIGH | 3 690.00 | 32.46 | 11.00 | 43.46 | 22.20 |
| | 256QAM | LOW | 3 560.00 | 32.81 | 11.00 | 43.81 | 24.02 |
| | | MIDDLE | 3 625.00 | 32.50 | 11.00 | 43.50 | 22.40 |
| | | HIGH | 3 690.00 | 32.33 | 11.00 | 43.33 | 21.51 |

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|-----------------|----------------|-------|-------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 560.00 | 98.57 | 88.91 | 85.31 | 95.12 |
| 3 625.00 | 92.37 | 83.92 | 84.45 | 88.43 |
| 3 690.00 | 87.07 | 84.72 | 88.33 | 84.33 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|-----------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 560.00 | 46.93 | 46.48 | 46.30 | 46.77 | 47 |
| 3 625.00 | 46.65 | 46.23 | 46.26 | 46.46 | |
| 3 690.00 | 46.39 | 46.27 | 46.45 | 46.25 | |

Tabular Data of RF Contiguous output power

CBRS NR(60 MHz 1C + 30 MHz 1C)[2C]

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 0 | QPSK | LOW | 3 595.00 | 36.07 | 13.00 | 49.07 | 80.76 |
| | | MIDDLE | 3 625.00 | 36.00 | 13.00 | 49.00 | 79.47 |
| | | HIGH | 3 655.00 | 36.06 | 13.00 | 49.06 | 80.59 |
| | 16QAM | LOW | 3 595.00 | 36.08 | 13.00 | 49.08 | 80.85 |
| | | MIDDLE | 3 625.00 | 36.02 | 13.00 | 49.02 | 79.74 |
| | | HIGH | 3 655.00 | 36.00 | 13.00 | 49.00 | 79.45 |
| | 64QAM | LOW | 3 595.00 | 36.06 | 13.00 | 49.06 | 80.50 |
| | | MIDDLE | 3 625.00 | 36.14 | 13.00 | 49.14 | 82.00 |
| | | HIGH | 3 655.00 | 36.06 | 13.00 | 49.06 | 80.57 |
| | 256QAM | LOW | 3 595.00 | 36.09 | 13.00 | 49.09 | 81.08 |
| | | MIDDLE | 3 625.00 | 36.02 | 13.00 | 49.02 | 79.80 |
| | | HIGH | 3 655.00 | 36.01 | 13.00 | 49.01 | 79.65 |
| 1 | QPSK | LOW | 3 595.00 | 36.03 | 13.00 | 49.03 | 79.93 |
| | | MIDDLE | 3 625.00 | 36.06 | 13.00 | 49.06 | 80.48 |
| | | HIGH | 3 655.00 | 36.16 | 13.00 | 49.16 | 82.47 |
| | 16QAM | LOW | 3 595.00 | 36.00 | 13.00 | 49.00 | 79.52 |
| | | MIDDLE | 3 625.00 | 36.08 | 13.00 | 49.08 | 80.91 |
| | | HIGH | 3 655.00 | 36.03 | 13.00 | 49.03 | 79.91 |
| | 64QAM | LOW | 3 595.00 | 36.09 | 13.00 | 49.09 | 81.06 |
| | | MIDDLE | 3 625.00 | 36.31 | 13.00 | 49.31 | 85.31 |
| | | HIGH | 3 655.00 | 36.14 | 13.00 | 49.14 | 82.02 |
| | 256QAM | LOW | 3 595.00 | 36.02 | 13.00 | 49.02 | 79.74 |
| | | MIDDLE | 3 625.00 | 36.11 | 13.00 | 49.11 | 81.56 |
| | | HIGH | 3 655.00 | 36.07 | 13.00 | 49.07 | 80.80 |

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 2 | QPSK | LOW | 3 595.00 | 36.07 | 13.00 | 49.07 | 80.76 |
| | | MIDDLE | 3 625.00 | 36.08 | 13.00 | 49.08 | 80.98 |
| | | HIGH | 3 655.00 | 36.00 | 13.00 | 49.00 | 79.49 |
| | 16QAM | LOW | 3 595.00 | 36.05 | 13.00 | 49.05 | 80.32 |
| | | MIDDLE | 3 625.00 | 36.08 | 13.00 | 49.08 | 80.87 |
| | | HIGH | 3 655.00 | 36.08 | 13.00 | 49.08 | 81.00 |
| | 64QAM | LOW | 3 595.00 | 36.05 | 13.00 | 49.05 | 80.39 |
| | | MIDDLE | 3 625.00 | 36.15 | 13.00 | 49.15 | 82.13 |
| | | HIGH | 3 655.00 | 36.02 | 13.00 | 49.02 | 79.84 |
| | 256QAM | LOW | 3 595.00 | 36.02 | 13.00 | 49.02 | 79.82 |
| | | MIDDLE | 3 625.00 | 36.09 | 13.00 | 49.09 | 81.15 |
| | | HIGH | 3 655.00 | 36.01 | 13.00 | 49.01 | 79.62 |
| 3 | QPSK | LOW | 3 595.00 | 36.02 | 13.00 | 49.02 | 79.84 |
| | | MIDDLE | 3 625.00 | 36.02 | 13.00 | 49.02 | 79.87 |
| | | HIGH | 3 655.00 | 36.23 | 13.00 | 49.23 | 83.73 |
| | 16QAM | LOW | 3 595.00 | 36.05 | 13.00 | 49.05 | 80.43 |
| | | MIDDLE | 3 625.00 | 36.13 | 13.00 | 49.13 | 81.87 |
| | | HIGH | 3 655.00 | 36.14 | 13.00 | 49.14 | 82.05 |
| | 64QAM | LOW | 3 595.00 | 36.15 | 13.00 | 49.15 | 82.19 |
| | | MIDDLE | 3 625.00 | 36.43 | 13.00 | 49.43 | 87.62 |
| | | HIGH | 3 655.00 | 36.29 | 13.00 | 49.29 | 84.96 |
| | 256QAM | LOW | 3 595.00 | 36.08 | 13.00 | 49.08 | 80.95 |
| | | MIDDLE | 3 625.00 | 36.30 | 13.00 | 49.30 | 85.07 |
| | | HIGH | 3 655.00 | 36.18 | 13.00 | 49.18 | 82.76 |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|-----------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 595.00 | 321.29 | 321.12 | 324.14 | 321.59 |
| 3 625.00 | 320.81 | 323.39 | 337.06 | 327.59 |
| 3 655.00 | 326.29 | 322.42 | 327.38 | 322.82 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|-----------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 595.00 | 45.53 | 45.52 | 45.56 | 45.53 | 47 |
| 3 625.00 | 45.52 | 45.55 | 45.73 | 45.61 | |
| 3 655.00 | 45.59 | 45.54 | 45.61 | 45.55 | |

CBRS LTE(15 MHz 1C + 15 MHz 1C)[2C]

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 0 | QPSK | LOW | 3 565.00 | 33.18 | 12.00 | 45.18 | 32.94 |
| | | MIDDLE | 3 625.00 | 32.90 | 12.00 | 44.90 | 30.90 |
| | | HIGH | 3 685.00 | 32.80 | 12.00 | 44.80 | 30.21 |
| | 16QAM | LOW | 3 565.00 | 33.06 | 12.00 | 45.06 | 32.07 |
| | | MIDDLE | 3 625.00 | 32.92 | 12.00 | 44.92 | 31.05 |
| | | HIGH | 3 685.00 | 33.03 | 12.00 | 45.03 | 31.87 |
| | 64QAM | LOW | 3 565.00 | 33.15 | 12.00 | 45.15 | 32.70 |
| | | MIDDLE | 3 625.00 | 32.98 | 12.00 | 44.98 | 31.46 |
| | | HIGH | 3 685.00 | 33.42 | 12.00 | 45.42 | 34.83 |
| | 256QAM | LOW | 3 565.00 | 33.38 | 12.00 | 45.38 | 34.49 |
| | | MIDDLE | 3 625.00 | 32.80 | 12.00 | 44.80 | 30.22 |
| | | HIGH | 3 685.00 | 33.51 | 12.00 | 45.51 | 35.54 |
| 1 | QPSK | LOW | 3 565.00 | 32.90 | 12.00 | 44.90 | 30.87 |
| | | MIDDLE | 3 625.00 | 32.98 | 12.00 | 44.98 | 31.51 |
| | | HIGH | 3 685.00 | 32.91 | 12.00 | 44.91 | 30.94 |
| | 16QAM | LOW | 3 565.00 | 33.13 | 12.00 | 45.13 | 32.55 |
| | | MIDDLE | 3 625.00 | 32.91 | 12.00 | 44.91 | 30.95 |
| | | HIGH | 3 685.00 | 32.83 | 12.00 | 44.83 | 30.41 |
| | 64QAM | LOW | 3 565.00 | 32.98 | 12.00 | 44.98 | 31.49 |
| | | MIDDLE | 3 625.00 | 32.80 | 12.00 | 44.80 | 30.22 |
| | | HIGH | 3 685.00 | 33.43 | 12.00 | 45.43 | 34.93 |
| | 256QAM | LOW | 3 565.00 | 33.29 | 12.00 | 45.29 | 33.80 |
| | | MIDDLE | 3 625.00 | 32.94 | 12.00 | 44.94 | 31.22 |
| | | HIGH | 3 685.00 | 33.48 | 12.00 | 45.48 | 35.32 |

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 2 | QPSK | LOW | 3 565.00 | 33.02 | 12.00 | 45.02 | 31.74 |
| | | MIDDLE | 3 625.00 | 32.99 | 12.00 | 44.99 | 31.52 |
| | | HIGH | 3 685.00 | 33.14 | 12.00 | 45.14 | 32.64 |
| | 16QAM | LOW | 3 565.00 | 33.13 | 12.00 | 45.13 | 32.58 |
| | | MIDDLE | 3 625.00 | 32.90 | 12.00 | 44.90 | 30.88 |
| | | HIGH | 3 685.00 | 32.81 | 12.00 | 44.81 | 30.28 |
| | 64QAM | LOW | 3 565.00 | 33.13 | 12.00 | 45.13 | 32.61 |
| | | MIDDLE | 3 625.00 | 33.11 | 12.00 | 45.11 | 32.46 |
| | | HIGH | 3 685.00 | 33.60 | 12.00 | 45.60 | 36.29 |
| | 256QAM | LOW | 3 565.00 | 33.41 | 12.00 | 45.41 | 34.74 |
| | | MIDDLE | 3 625.00 | 33.40 | 12.00 | 45.40 | 34.70 |
| | | HIGH | 3 685.00 | 33.73 | 12.00 | 45.73 | 37.39 |
| 3 | QPSK | LOW | 3 565.00 | 33.02 | 12.00 | 45.02 | 31.78 |
| | | MIDDLE | 3 625.00 | 32.81 | 12.00 | 44.81 | 30.26 |
| | | HIGH | 3 685.00 | 33.07 | 12.00 | 45.07 | 32.17 |
| | 16QAM | LOW | 3 565.00 | 32.99 | 12.00 | 44.99 | 31.57 |
| | | MIDDLE | 3 625.00 | 32.89 | 12.00 | 44.89 | 30.85 |
| | | HIGH | 3 685.00 | 33.02 | 12.00 | 45.02 | 31.73 |
| | 64QAM | LOW | 3 565.00 | 33.16 | 12.00 | 45.16 | 32.84 |
| | | MIDDLE | 3 625.00 | 32.83 | 12.00 | 44.83 | 30.40 |
| | | HIGH | 3 685.00 | 33.19 | 12.00 | 45.19 | 33.02 |
| | 256QAM | LOW | 3 565.00 | 33.44 | 12.00 | 45.44 | 35.00 |
| | | MIDDLE | 3 625.00 | 33.03 | 12.00 | 45.03 | 31.83 |
| | | HIGH | 3 685.00 | 33.35 | 12.00 | 45.35 | 34.26 |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|-----------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 565.00 | 127.33 | 128.76 | 129.65 | 138.03 |
| 3 625.00 | 124.19 | 123.72 | 124.54 | 127.96 |
| 3 685.00 | 125.97 | 124.30 | 139.07 | 142.50 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|-----------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 565.00 | 46.28 | 46.33 | 46.36 | 46.63 | 47 |
| 3 625.00 | 46.17 | 46.15 | 46.18 | 46.30 | |
| 3 685.00 | 46.23 | 46.17 | 46.66 | 46.77 | |

CBRS LTE 5 MHz 1C + NR 10 MHz 1C[2C]

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 0 | QPSK | LOW | 3 557.50 | 30.41 | 11.00 | 41.41 | 13.82 |
| | | MIDDLE | 3 625.00 | 30.26 | 11.00 | 41.26 | 13.37 |
| | | HIGH | 3 692.50 | 30.24 | 11.00 | 41.24 | 13.32 |
| | 16QAM | LOW | 3 557.50 | 30.26 | 11.00 | 41.26 | 13.38 |
| | | MIDDLE | 3 625.00 | 30.13 | 11.00 | 41.13 | 12.96 |
| | | HIGH | 3 692.50 | 30.05 | 11.00 | 41.05 | 12.73 |
| | 64QAM | LOW | 3 557.50 | 30.16 | 11.00 | 41.16 | 13.05 |
| | | MIDDLE | 3 625.00 | 30.13 | 11.00 | 41.13 | 12.97 |
| | | HIGH | 3 692.50 | 29.89 | 11.00 | 40.89 | 12.28 |
| | 256QAM | LOW | 3 557.50 | 30.28 | 11.00 | 41.28 | 13.44 |
| | | MIDDLE | 3 625.00 | 30.18 | 11.00 | 41.18 | 13.11 |
| | | HIGH | 3 692.50 | 30.09 | 11.00 | 41.09 | 12.87 |
| 1 | QPSK | LOW | 3 557.50 | 30.68 | 11.00 | 41.68 | 14.73 |
| | | MIDDLE | 3 625.00 | 30.23 | 11.00 | 41.23 | 13.26 |
| | | HIGH | 3 692.50 | 30.42 | 11.00 | 41.42 | 13.87 |
| | 16QAM | LOW | 3 557.50 | 30.54 | 11.00 | 41.54 | 14.24 |
| | | MIDDLE | 3 625.00 | 30.08 | 11.00 | 41.08 | 12.82 |
| | | HIGH | 3 692.50 | 30.32 | 11.00 | 41.32 | 13.54 |
| | 64QAM | LOW | 3 557.50 | 30.48 | 11.00 | 41.48 | 14.07 |
| | | MIDDLE | 3 625.00 | 29.98 | 11.00 | 40.98 | 12.53 |
| | | HIGH | 3 692.50 | 30.00 | 11.00 | 41.00 | 12.58 |
| | 256QAM | LOW | 3 557.50 | 30.71 | 11.00 | 41.71 | 14.81 |
| | | MIDDLE | 3 625.00 | 30.13 | 11.00 | 41.13 | 12.97 |
| | | HIGH | 3 692.50 | 30.21 | 11.00 | 41.21 | 13.20 |

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 2 | QPSK | LOW | 3 557.50 | 30.51 | 11.00 | 41.51 | 14.15 |
| | | MIDDLE | 3 625.00 | 30.04 | 11.00 | 41.04 | 12.70 |
| | | HIGH | 3 692.50 | 30.28 | 11.00 | 41.28 | 13.43 |
| | 16QAM | LOW | 3 557.50 | 30.29 | 11.00 | 41.29 | 13.45 |
| | | MIDDLE | 3 625.00 | 29.88 | 11.00 | 40.88 | 12.24 |
| | | HIGH | 3 692.50 | 30.10 | 11.00 | 41.10 | 12.89 |
| | 64QAM | LOW | 3 557.50 | 30.25 | 11.00 | 41.25 | 13.35 |
| | | MIDDLE | 3 625.00 | 29.93 | 11.00 | 40.93 | 12.40 |
| | | HIGH | 3 692.50 | 29.92 | 11.00 | 40.92 | 12.37 |
| | 256QAM | LOW | 3 557.50 | 30.42 | 11.00 | 41.42 | 13.86 |
| | | MIDDLE | 3 625.00 | 29.86 | 11.00 | 40.86 | 12.19 |
| | | HIGH | 3 692.50 | 30.10 | 11.00 | 41.10 | 12.89 |
| 3 | QPSK | LOW | 3 557.50 | 30.82 | 11.00 | 41.82 | 15.21 |
| | | MIDDLE | 3 625.00 | 30.45 | 11.00 | 41.45 | 13.96 |
| | | HIGH | 3 692.50 | 30.62 | 11.00 | 41.62 | 14.52 |
| | 16QAM | LOW | 3 557.50 | 30.62 | 11.00 | 41.62 | 14.51 |
| | | MIDDLE | 3 625.00 | 30.33 | 11.00 | 41.33 | 13.59 |
| | | HIGH | 3 692.50 | 30.48 | 11.00 | 41.48 | 14.07 |
| | 64QAM | LOW | 3 557.50 | 30.57 | 11.00 | 41.57 | 14.35 |
| | | MIDDLE | 3 625.00 | 30.29 | 11.00 | 41.29 | 13.45 |
| | | HIGH | 3 692.50 | 30.21 | 11.00 | 41.21 | 13.20 |
| | 256QAM | LOW | 3 557.50 | 30.64 | 11.00 | 41.64 | 14.59 |
| | | MIDDLE | 3 625.00 | 30.40 | 11.00 | 41.40 | 13.79 |
| | | HIGH | 3 692.50 | 30.39 | 11.00 | 41.39 | 13.78 |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|-----------------|----------------|-------|-------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 557.50 | 57.92 | 55.58 | 54.82 | 56.70 |
| 3 625.00 | 53.29 | 51.61 | 51.34 | 52.07 |
| 3 692.50 | 55.14 | 53.23 | 50.44 | 52.74 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|-----------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 557.50 | 45.87 | 45.69 | 45.63 | 45.77 | 47 |
| 3 625.00 | 45.51 | 45.37 | 45.34 | 45.40 | |
| 3 692.50 | 45.65 | 45.50 | 45.27 | 45.46 | |

CBRS NR(20 MHz 1C + 20 MHz 1C + 10 MHz 1C)[3C]

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 0 | QPSK | LOW | 3 575.00 | 35.20 | 12.00 | 47.20 | 52.44 |
| | | MIDDLE | 3 625.00 | 35.29 | 12.00 | 47.29 | 53.59 |
| | | HIGH | 3 675.00 | 35.17 | 12.00 | 47.17 | 52.14 |
| | 16QAM | LOW | 3 575.00 | 35.32 | 12.00 | 47.32 | 53.90 |
| | | MIDDLE | 3 625.00 | 35.35 | 12.00 | 47.35 | 54.30 |
| | | HIGH | 3 675.00 | 35.30 | 12.00 | 47.30 | 53.72 |
| | 64QAM | LOW | 3 575.00 | 35.19 | 12.00 | 47.19 | 52.42 |
| | | MIDDLE | 3 625.00 | 35.18 | 12.00 | 47.18 | 52.25 |
| | | HIGH | 3 675.00 | 35.09 | 12.00 | 47.09 | 51.12 |
| | 256QAM | LOW | 3 575.00 | 35.20 | 12.00 | 47.20 | 52.43 |
| | | MIDDLE | 3 625.00 | 35.20 | 12.00 | 47.20 | 52.42 |
| | | HIGH | 3 675.00 | 35.10 | 12.00 | 47.10 | 51.27 |
| 1 | QPSK | LOW | 3 575.00 | 35.43 | 12.00 | 47.43 | 55.34 |
| | | MIDDLE | 3 625.00 | 35.32 | 12.00 | 47.32 | 53.90 |
| | | HIGH | 3 675.00 | 35.33 | 12.00 | 47.33 | 54.04 |
| | 16QAM | LOW | 3 575.00 | 35.51 | 12.00 | 47.51 | 56.39 |
| | | MIDDLE | 3 625.00 | 35.30 | 12.00 | 47.30 | 53.69 |
| | | HIGH | 3 675.00 | 35.43 | 12.00 | 47.43 | 55.30 |
| | 64QAM | LOW | 3 575.00 | 35.32 | 12.00 | 47.32 | 54.01 |
| | | MIDDLE | 3 625.00 | 35.23 | 12.00 | 47.23 | 52.82 |
| | | HIGH | 3 675.00 | 35.26 | 12.00 | 47.26 | 53.17 |
| | 256QAM | LOW | 3 575.00 | 35.34 | 12.00 | 47.34 | 54.23 |
| | | MIDDLE | 3 625.00 | 35.24 | 12.00 | 47.24 | 52.94 |
| | | HIGH | 3 675.00 | 35.26 | 12.00 | 47.26 | 53.17 |

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 2 | QPSK | LOW | 3 575.00 | 35.31 | 12.00 | 47.31 | 53.86 |
| | | MIDDLE | 3 625.00 | 35.18 | 12.00 | 47.18 | 52.23 |
| | | HIGH | 3 675.00 | 35.19 | 12.00 | 47.19 | 52.36 |
| | 16QAM | LOW | 3 575.00 | 35.36 | 12.00 | 47.36 | 54.43 |
| | | MIDDLE | 3 625.00 | 35.11 | 12.00 | 47.11 | 51.40 |
| | | HIGH | 3 675.00 | 35.33 | 12.00 | 47.33 | 54.04 |
| | 64QAM | LOW | 3 575.00 | 35.23 | 12.00 | 47.23 | 52.89 |
| | | MIDDLE | 3 625.00 | 35.11 | 12.00 | 47.11 | 51.36 |
| | | HIGH | 3 675.00 | 35.19 | 12.00 | 47.19 | 52.36 |
| | 256QAM | LOW | 3 575.00 | 35.25 | 12.00 | 47.25 | 53.06 |
| | | MIDDLE | 3 625.00 | 35.08 | 12.00 | 47.08 | 50.99 |
| | | HIGH | 3 675.00 | 35.17 | 12.00 | 47.17 | 52.07 |
| 3 | QPSK | LOW | 3 575.00 | 35.55 | 12.00 | 47.55 | 56.94 |
| | | MIDDLE | 3 625.00 | 35.54 | 12.00 | 47.54 | 56.77 |
| | | HIGH | 3 675.00 | 35.44 | 12.00 | 47.44 | 55.50 |
| | 16QAM | LOW | 3 575.00 | 35.70 | 12.00 | 47.70 | 58.88 |
| | | MIDDLE | 3 625.00 | 35.43 | 12.00 | 47.43 | 55.39 |
| | | HIGH | 3 675.00 | 35.63 | 12.00 | 47.63 | 58.00 |
| | 64QAM | LOW | 3 575.00 | 35.57 | 12.00 | 47.57 | 57.08 |
| | | MIDDLE | 3 625.00 | 35.40 | 12.00 | 47.40 | 54.89 |
| | | HIGH | 3 675.00 | 35.43 | 12.00 | 47.43 | 55.28 |
| | 256QAM | LOW | 3 575.00 | 35.50 | 12.00 | 47.50 | 56.30 |
| | | MIDDLE | 3 625.00 | 35.39 | 12.00 | 47.39 | 54.80 |
| | | HIGH | 3 675.00 | 35.42 | 12.00 | 47.42 | 55.26 |

Note: 1C: 1 Carrier, 3C: 3 Carrier

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|-----------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 575.00 | 218.58 | 223.60 | 216.41 | 216.02 |
| 3 625.00 | 216.49 | 214.78 | 211.32 | 211.16 |
| 3 675.00 | 214.04 | 221.05 | 211.94 | 211.78 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|-----------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 575.00 | 46.41 | 46.51 | 46.36 | 46.36 | 47 |
| 3 625.00 | 46.36 | 46.33 | 46.26 | 46.26 | |
| 3 675.00 | 46.32 | 46.46 | 46.27 | 46.27 | |

CBRS NR(30 MHz 1C + 30 MHz 1C + 10 MHz 1C)[3C]

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 0 | QPSK | LOW | 3 585.00 | 35.68 | 13.00 | 48.68 | 73.77 |
| | | MIDDLE | 3 625.00 | 35.58 | 13.00 | 48.58 | 72.16 |
| | | HIGH | 3 665.00 | 35.61 | 13.00 | 48.61 | 72.63 |
| | 16QAM | LOW | 3 585.00 | 35.62 | 13.00 | 48.62 | 72.71 |
| | | MIDDLE | 3 625.00 | 35.61 | 13.00 | 48.61 | 72.59 |
| | | HIGH | 3 665.00 | 35.67 | 13.00 | 48.67 | 73.69 |
| | 64QAM | LOW | 3 585.00 | 35.64 | 13.00 | 48.64 | 73.13 |
| | | MIDDLE | 3 625.00 | 35.70 | 13.00 | 48.70 | 74.11 |
| | | HIGH | 3 665.00 | 35.71 | 13.00 | 48.71 | 74.32 |
| | 256QAM | LOW | 3 585.00 | 35.57 | 13.00 | 48.57 | 71.90 |
| | | MIDDLE | 3 625.00 | 35.63 | 13.00 | 48.63 | 72.93 |
| | | HIGH | 3 665.00 | 35.60 | 13.00 | 48.60 | 72.39 |
| 1 | QPSK | LOW | 3 585.00 | 35.77 | 13.00 | 48.77 | 75.28 |
| | | MIDDLE | 3 625.00 | 35.72 | 13.00 | 48.72 | 74.54 |
| | | HIGH | 3 665.00 | 35.78 | 13.00 | 48.78 | 75.58 |
| | 16QAM | LOW | 3 585.00 | 35.80 | 13.00 | 48.80 | 75.79 |
| | | MIDDLE | 3 625.00 | 35.71 | 13.00 | 48.71 | 74.25 |
| | | HIGH | 3 665.00 | 35.77 | 13.00 | 48.77 | 75.37 |
| | 64QAM | LOW | 3 585.00 | 35.88 | 13.00 | 48.88 | 77.32 |
| | | MIDDLE | 3 625.00 | 35.83 | 13.00 | 48.83 | 76.35 |
| | | HIGH | 3 665.00 | 35.79 | 13.00 | 48.79 | 75.67 |
| | 256QAM | LOW | 3 585.00 | 35.73 | 13.00 | 48.73 | 74.63 |
| | | MIDDLE | 3 625.00 | 35.78 | 13.00 | 48.78 | 75.46 |
| | | HIGH | 3 665.00 | 35.72 | 13.00 | 48.72 | 74.52 |

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 2 | QPSK | LOW | 3 585.00 | 35.68 | 13.00 | 48.68 | 73.74 |
| | | MIDDLE | 3 625.00 | 35.55 | 13.00 | 48.55 | 71.66 |
| | | HIGH | 3 665.00 | 35.67 | 13.00 | 48.67 | 73.67 |
| | 16QAM | LOW | 3 585.00 | 35.59 | 13.00 | 48.59 | 72.28 |
| | | MIDDLE | 3 625.00 | 35.58 | 13.00 | 48.58 | 72.11 |
| | | HIGH | 3 665.00 | 35.65 | 13.00 | 48.65 | 73.28 |
| | 64QAM | LOW | 3 585.00 | 35.68 | 13.00 | 48.68 | 73.88 |
| | | MIDDLE | 3 625.00 | 35.62 | 13.00 | 48.62 | 72.73 |
| | | HIGH | 3 665.00 | 35.71 | 13.00 | 48.71 | 74.35 |
| | 256QAM | LOW | 3 585.00 | 35.57 | 13.00 | 48.57 | 71.99 |
| | | MIDDLE | 3 625.00 | 35.56 | 13.00 | 48.56 | 71.73 |
| | | HIGH | 3 665.00 | 35.60 | 13.00 | 48.60 | 72.44 |
| 3 | QPSK | LOW | 3 585.00 | 35.87 | 13.00 | 48.87 | 77.07 |
| | | MIDDLE | 3 625.00 | 35.76 | 13.00 | 48.76 | 75.25 |
| | | HIGH | 3 665.00 | 35.86 | 13.00 | 48.86 | 76.90 |
| | 16QAM | LOW | 3 585.00 | 35.91 | 13.00 | 48.91 | 77.82 |
| | | MIDDLE | 3 625.00 | 35.77 | 13.00 | 48.77 | 75.39 |
| | | HIGH | 3 665.00 | 35.83 | 13.00 | 48.83 | 76.30 |
| | 64QAM | LOW | 3 585.00 | 35.89 | 13.00 | 48.89 | 77.36 |
| | | MIDDLE | 3 625.00 | 35.84 | 13.00 | 48.84 | 76.54 |
| | | HIGH | 3 665.00 | 35.88 | 13.00 | 48.88 | 77.25 |
| | 256QAM | LOW | 3 585.00 | 35.81 | 13.00 | 48.81 | 75.98 |
| | | MIDDLE | 3 625.00 | 35.79 | 13.00 | 48.79 | 75.63 |
| | | HIGH | 3 665.00 | 35.80 | 13.00 | 48.80 | 75.77 |

Note: 1C: 1 Carrier, 3C: 3 Carrier

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|-----------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 585.00 | 299.87 | 298.60 | 301.68 | 294.50 |
| 3 625.00 | 293.62 | 294.34 | 299.73 | 295.75 |
| 3 665.00 | 298.77 | 298.64 | 301.59 | 295.13 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|-----------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 585.00 | 46.32 | 46.30 | 46.34 | 46.24 | 47 |
| 3 625.00 | 46.23 | 46.24 | 46.32 | 46.26 | |
| 3 665.00 | 46.30 | 46.30 | 46.34 | 46.25 | |

CBRS LTE(15 MHz 1C + 15 MHz 1C + 10 MHz 1C)[3C]

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 0 | QPSK | LOW | 3 570.00 | 34.25 | 12.00 | 46.25 | 42.16 |
| | | MIDDLE | 3 625.00 | 34.24 | 12.00 | 46.24 | 42.08 |
| | | HIGH | 3 680.00 | 34.28 | 12.00 | 46.28 | 42.50 |
| | 16QAM | LOW | 3 570.00 | 34.30 | 12.00 | 46.30 | 42.62 |
| | | MIDDLE | 3 625.00 | 34.07 | 12.00 | 46.07 | 40.46 |
| | | HIGH | 3 680.00 | 34.27 | 12.00 | 46.27 | 42.37 |
| | 64QAM | LOW | 3 570.00 | 34.21 | 12.00 | 46.21 | 41.74 |
| | | MIDDLE | 3 625.00 | 34.28 | 12.00 | 46.28 | 42.48 |
| | | HIGH | 3 680.00 | 34.33 | 12.00 | 46.33 | 42.94 |
| | 256QAM | LOW | 3 570.00 | 34.13 | 12.00 | 46.13 | 41.02 |
| | | MIDDLE | 3 625.00 | 34.23 | 12.00 | 46.23 | 41.97 |
| | | HIGH | 3 680.00 | 34.23 | 12.00 | 46.23 | 42.02 |
| 1 | QPSK | LOW | 3 570.00 | 34.34 | 12.00 | 46.34 | 43.06 |
| | | MIDDLE | 3 625.00 | 34.22 | 12.00 | 46.22 | 41.88 |
| | | HIGH | 3 680.00 | 34.42 | 12.00 | 46.42 | 43.82 |
| | 16QAM | LOW | 3 570.00 | 34.39 | 12.00 | 46.39 | 43.53 |
| | | MIDDLE | 3 625.00 | 34.30 | 12.00 | 46.30 | 42.67 |
| | | HIGH | 3 680.00 | 34.52 | 12.00 | 46.52 | 44.84 |
| | 64QAM | LOW | 3 570.00 | 34.35 | 12.00 | 46.35 | 43.11 |
| | | MIDDLE | 3 625.00 | 34.25 | 12.00 | 46.25 | 42.13 |
| | | HIGH | 3 680.00 | 34.47 | 12.00 | 46.47 | 44.38 |
| | 256QAM | LOW | 3 570.00 | 34.28 | 12.00 | 46.28 | 42.48 |
| | | MIDDLE | 3 625.00 | 34.19 | 12.00 | 46.19 | 41.54 |
| | | HIGH | 3 680.00 | 34.40 | 12.00 | 46.40 | 43.66 |

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 2 | QPSK | LOW | 3 570.00 | 34.30 | 12.00 | 46.30 | 42.68 |
| | | MIDDLE | 3 625.00 | 34.13 | 12.00 | 46.13 | 41.06 |
| | | HIGH | 3 680.00 | 34.32 | 12.00 | 46.32 | 42.81 |
| | 16QAM | LOW | 3 570.00 | 34.23 | 12.00 | 46.23 | 42.00 |
| | | MIDDLE | 3 625.00 | 34.08 | 12.00 | 46.08 | 40.52 |
| | | HIGH | 3 680.00 | 34.32 | 12.00 | 46.32 | 42.87 |
| | 64QAM | LOW | 3 570.00 | 34.30 | 12.00 | 46.30 | 42.68 |
| | | MIDDLE | 3 625.00 | 34.11 | 12.00 | 46.11 | 40.84 |
| | | HIGH | 3 680.00 | 34.34 | 12.00 | 46.34 | 43.07 |
| | 256QAM | LOW | 3 570.00 | 34.19 | 12.00 | 46.19 | 41.61 |
| | | MIDDLE | 3 625.00 | 34.10 | 12.00 | 46.10 | 40.77 |
| | | HIGH | 3 680.00 | 34.31 | 12.00 | 46.31 | 42.75 |
| 3 | QPSK | LOW | 3 570.00 | 34.56 | 12.00 | 46.56 | 45.25 |
| | | MIDDLE | 3 625.00 | 34.38 | 12.00 | 46.38 | 43.48 |
| | | HIGH | 3 680.00 | 34.52 | 12.00 | 46.52 | 44.84 |
| | 16QAM | LOW | 3 570.00 | 34.48 | 12.00 | 46.48 | 44.43 |
| | | MIDDLE | 3 625.00 | 34.34 | 12.00 | 46.34 | 43.03 |
| | | HIGH | 3 680.00 | 34.55 | 12.00 | 46.55 | 45.20 |
| | 64QAM | LOW | 3 570.00 | 34.47 | 12.00 | 46.47 | 44.39 |
| | | MIDDLE | 3 625.00 | 34.41 | 12.00 | 46.41 | 43.74 |
| | | HIGH | 3 680.00 | 34.56 | 12.00 | 46.56 | 45.25 |
| | 256QAM | LOW | 3 570.00 | 34.47 | 12.00 | 46.47 | 44.34 |
| | | MIDDLE | 3 625.00 | 34.50 | 12.00 | 46.50 | 44.72 |
| | | HIGH | 3 680.00 | 34.49 | 12.00 | 46.49 | 44.51 |

Note: 1C: 1 Carrier, 3C: 3 Carrier

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|-----------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 570.00 | 173.15 | 172.59 | 171.93 | 169.45 |
| 3 625.00 | 168.50 | 166.68 | 169.20 | 169.00 |
| 3 680.00 | 173.97 | 175.29 | 175.65 | 172.95 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|-----------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 570.00 | 46.36 | 46.35 | 46.33 | 46.27 | 47 |
| 3 625.00 | 46.25 | 46.20 | 46.26 | 46.26 | |
| 3 680.00 | 46.38 | 46.42 | 46.43 | 46.36 | |

CBRS LTE(20 MHz 1C + 15 MHz 1C + 15 MHz 1C)[3C]

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 0 | QPSK | LOW | 3 575.00 | 35.05 | 12.00 | 47.05 | 50.72 |
| | | MIDDLE | 3 625.00 | 35.07 | 12.00 | 47.07 | 50.98 |
| | | HIGH | 3 675.00 | 35.07 | 12.00 | 47.07 | 50.97 |
| | 16QAM | LOW | 3 575.00 | 35.08 | 12.00 | 47.08 | 51.03 |
| | | MIDDLE | 3 625.00 | 35.07 | 12.00 | 47.07 | 50.89 |
| | | HIGH | 3 675.00 | 35.07 | 12.00 | 47.07 | 50.99 |
| | 64QAM | LOW | 3 575.00 | 35.01 | 12.00 | 47.01 | 50.28 |
| | | MIDDLE | 3 625.00 | 35.12 | 12.00 | 47.12 | 51.51 |
| | | HIGH | 3 675.00 | 35.17 | 12.00 | 47.17 | 52.08 |
| | 256QAM | LOW | 3 575.00 | 35.00 | 12.00 | 47.00 | 50.15 |
| | | MIDDLE | 3 625.00 | 35.18 | 12.00 | 47.18 | 52.24 |
| | | HIGH | 3 675.00 | 35.25 | 12.00 | 47.25 | 53.13 |
| 1 | QPSK | LOW | 3 575.00 | 35.13 | 12.00 | 47.13 | 51.65 |
| | | MIDDLE | 3 625.00 | 35.00 | 12.00 | 47.00 | 50.12 |
| | | HIGH | 3 675.00 | 35.21 | 12.00 | 47.21 | 52.58 |
| | 16QAM | LOW | 3 575.00 | 35.32 | 12.00 | 47.32 | 53.94 |
| | | MIDDLE | 3 625.00 | 35.16 | 12.00 | 47.16 | 52.01 |
| | | HIGH | 3 675.00 | 35.33 | 12.00 | 47.33 | 54.13 |
| | 64QAM | LOW | 3 575.00 | 35.06 | 12.00 | 47.06 | 50.87 |
| | | MIDDLE | 3 625.00 | 35.12 | 12.00 | 47.12 | 51.46 |
| | | HIGH | 3 675.00 | 35.26 | 12.00 | 47.26 | 53.20 |
| | 256QAM | LOW | 3 575.00 | 35.17 | 12.00 | 47.17 | 52.11 |
| | | MIDDLE | 3 625.00 | 35.12 | 12.00 | 47.12 | 51.55 |
| | | HIGH | 3 675.00 | 35.36 | 12.00 | 47.36 | 54.48 |

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 2 | QPSK | LOW | 3 575.00 | 35.04 | 12.00 | 47.04 | 50.57 |
| | | MIDDLE | 3 625.00 | 35.09 | 12.00 | 47.09 | 51.16 |
| | | HIGH | 3 675.00 | 35.03 | 12.00 | 47.03 | 50.44 |
| | 16QAM | LOW | 3 575.00 | 35.12 | 12.00 | 47.12 | 51.46 |
| | | MIDDLE | 3 625.00 | 35.09 | 12.00 | 47.09 | 51.23 |
| | | HIGH | 3 675.00 | 35.02 | 12.00 | 47.02 | 50.40 |
| | 64QAM | LOW | 3 575.00 | 35.26 | 12.00 | 47.26 | 53.19 |
| | | MIDDLE | 3 625.00 | 35.07 | 12.00 | 47.07 | 50.91 |
| | | HIGH | 3 675.00 | 35.11 | 12.00 | 47.11 | 51.42 |
| | 256QAM | LOW | 3 575.00 | 35.19 | 12.00 | 47.19 | 52.30 |
| | | MIDDLE | 3 625.00 | 35.05 | 12.00 | 47.05 | 50.65 |
| | | HIGH | 3 675.00 | 35.26 | 12.00 | 47.26 | 53.17 |
| 3 | QPSK | LOW | 3 575.00 | 35.34 | 12.00 | 47.34 | 54.16 |
| | | MIDDLE | 3 625.00 | 35.33 | 12.00 | 47.33 | 54.06 |
| | | HIGH | 3 675.00 | 35.25 | 12.00 | 47.25 | 53.13 |
| | 16QAM | LOW | 3 575.00 | 35.45 | 12.00 | 47.45 | 55.64 |
| | | MIDDLE | 3 625.00 | 35.42 | 12.00 | 47.42 | 55.22 |
| | | HIGH | 3 675.00 | 35.30 | 12.00 | 47.30 | 53.68 |
| | 64QAM | LOW | 3 575.00 | 35.50 | 12.00 | 47.50 | 56.27 |
| | | MIDDLE | 3 625.00 | 35.22 | 12.00 | 47.22 | 52.71 |
| | | HIGH | 3 675.00 | 35.35 | 12.00 | 47.35 | 54.30 |
| | 256QAM | LOW | 3 575.00 | 35.43 | 12.00 | 47.43 | 55.37 |
| | | MIDDLE | 3 625.00 | 35.28 | 12.00 | 47.28 | 53.48 |
| | | HIGH | 3 675.00 | 35.47 | 12.00 | 47.47 | 55.91 |

Note: 1C: 1 Carrier, 3C: 3 Carrier

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|-----------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 575.00 | 207.11 | 212.07 | 210.61 | 209.93 |
| 3 625.00 | 206.32 | 209.35 | 206.60 | 207.92 |
| 3 675.00 | 207.11 | 209.19 | 211.00 | 216.69 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|-----------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 575.00 | 46.17 | 46.28 | 46.25 | 46.23 | 47 |
| 3 625.00 | 46.16 | 46.22 | 46.16 | 46.19 | |
| 3 675.00 | 46.17 | 46.22 | 46.25 | 46.37 | |

CBRS LTE(20 MHz 1C + 20 MHz 1C + 20 MHz 1C)[3C]

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 0 | QPSK | LOW | 3 580.00 | 35.99 | 12.00 | 47.99 | 63.02 |
| | | MIDDLE | 3 625.00 | 35.87 | 12.00 | 47.87 | 61.26 |
| | | HIGH | 3 670.00 | 35.84 | 12.00 | 47.84 | 60.86 |
| | 16QAM | LOW | 3 580.00 | 36.01 | 12.00 | 48.01 | 63.20 |
| | | MIDDLE | 3 625.00 | 35.89 | 12.00 | 47.89 | 61.50 |
| | | HIGH | 3 670.00 | 35.88 | 12.00 | 47.88 | 61.33 |
| | 64QAM | LOW | 3 580.00 | 35.86 | 12.00 | 47.86 | 61.14 |
| | | MIDDLE | 3 625.00 | 35.80 | 12.00 | 47.80 | 60.28 |
| | | HIGH | 3 670.00 | 35.83 | 12.00 | 47.83 | 60.69 |
| | 256QAM | LOW | 3 580.00 | 35.89 | 12.00 | 47.89 | 61.52 |
| | | MIDDLE | 3 625.00 | 35.89 | 12.00 | 47.89 | 61.49 |
| | | HIGH | 3 670.00 | 35.82 | 12.00 | 47.82 | 60.60 |
| 1 | QPSK | LOW | 3 580.00 | 36.12 | 12.00 | 48.12 | 64.94 |
| | | MIDDLE | 3 625.00 | 35.82 | 12.00 | 47.82 | 60.59 |
| | | HIGH | 3 670.00 | 35.89 | 12.00 | 47.89 | 61.49 |
| | 16QAM | LOW | 3 580.00 | 35.84 | 12.00 | 47.84 | 60.79 |
| | | MIDDLE | 3 625.00 | 35.97 | 12.00 | 47.97 | 62.65 |
| | | HIGH | 3 670.00 | 35.94 | 12.00 | 47.94 | 62.24 |
| | 64QAM | LOW | 3 580.00 | 35.99 | 12.00 | 47.99 | 63.02 |
| | | MIDDLE | 3 625.00 | 35.83 | 12.00 | 47.83 | 60.69 |
| | | HIGH | 3 670.00 | 35.81 | 12.00 | 47.81 | 60.44 |
| | 256QAM | LOW | 3 580.00 | 35.88 | 12.00 | 47.88 | 61.32 |
| | | MIDDLE | 3 625.00 | 35.87 | 12.00 | 47.87 | 61.21 |
| | | HIGH | 3 670.00 | 35.91 | 12.00 | 47.91 | 61.76 |

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 2 | QPSK | LOW | 3 580.00 | 36.25 | 12.00 | 48.25 | 66.82 |
| | | MIDDLE | 3 625.00 | 35.91 | 12.00 | 47.91 | 61.82 |
| | | HIGH | 3 670.00 | 35.89 | 12.00 | 47.89 | 61.49 |
| | 16QAM | LOW | 3 580.00 | 35.91 | 12.00 | 47.91 | 61.79 |
| | | MIDDLE | 3 625.00 | 35.84 | 12.00 | 47.84 | 60.80 |
| | | HIGH | 3 670.00 | 35.89 | 12.00 | 47.89 | 61.48 |
| | 64QAM | LOW | 3 580.00 | 36.03 | 12.00 | 48.03 | 63.53 |
| | | MIDDLE | 3 625.00 | 35.80 | 12.00 | 47.80 | 60.30 |
| | | HIGH | 3 670.00 | 35.83 | 12.00 | 47.83 | 60.73 |
| | 256QAM | LOW | 3 580.00 | 35.96 | 12.00 | 47.96 | 62.47 |
| | | MIDDLE | 3 625.00 | 35.87 | 12.00 | 47.87 | 61.26 |
| | | HIGH | 3 670.00 | 35.96 | 12.00 | 47.96 | 62.52 |
| 3 | QPSK | LOW | 3 580.00 | 36.48 | 12.00 | 48.48 | 70.45 |
| | | MIDDLE | 3 625.00 | 36.21 | 12.00 | 48.21 | 66.25 |
| | | HIGH | 3 670.00 | 36.18 | 12.00 | 48.18 | 65.74 |
| | 16QAM | LOW | 3 580.00 | 36.04 | 12.00 | 48.04 | 63.66 |
| | | MIDDLE | 3 625.00 | 36.12 | 12.00 | 48.12 | 64.88 |
| | | HIGH | 3 670.00 | 36.09 | 12.00 | 48.09 | 64.49 |
| | 64QAM | LOW | 3 580.00 | 36.28 | 12.00 | 48.28 | 67.22 |
| | | MIDDLE | 3 625.00 | 36.13 | 12.00 | 48.13 | 65.01 |
| | | HIGH | 3 670.00 | 36.12 | 12.00 | 48.12 | 64.80 |
| | 256QAM | LOW | 3 580.00 | 36.27 | 12.00 | 48.27 | 67.17 |
| | | MIDDLE | 3 625.00 | 36.22 | 12.00 | 48.22 | 66.34 |
| | | HIGH | 3 670.00 | 36.26 | 12.00 | 48.26 | 66.96 |

Note: 1C: 1 Carrier, 3C: 3 Carrier

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|-----------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 580.00 | 265.23 | 249.44 | 254.91 | 252.49 |
| 3 625.00 | 249.92 | 249.83 | 246.28 | 250.30 |
| 3 670.00 | 249.57 | 249.54 | 246.66 | 251.84 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|-----------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 580.00 | 46.45 | 46.19 | 46.28 | 46.24 | 47 |
| 3 625.00 | 46.20 | 46.19 | 46.13 | 46.20 | |
| 3 670.00 | 46.19 | 46.19 | 46.14 | 46.23 | |

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

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 0 | QPSK | LOW | 3 590.00 | 36.26 | 13.00 | 49.26 | 84.28 |
| | | MIDDLE | 3 625.00 | 36.25 | 13.00 | 49.25 | 84.10 |
| | | HIGH | 3 660.00 | 36.28 | 13.00 | 49.28 | 84.76 |
| | 16QAM | LOW | 3 590.00 | 36.23 | 13.00 | 49.23 | 83.79 |
| | | MIDDLE | 3 625.00 | 36.14 | 13.00 | 49.14 | 82.11 |
| | | HIGH | 3 660.00 | 36.14 | 13.00 | 49.14 | 82.05 |
| | 64QAM | LOW | 3 590.00 | 36.28 | 13.00 | 49.28 | 84.72 |
| | | MIDDLE | 3 625.00 | 36.34 | 13.00 | 49.34 | 85.92 |
| | | HIGH | 3 660.00 | 36.30 | 13.00 | 49.30 | 85.11 |
| | 256QAM | LOW | 3 590.00 | 36.23 | 13.00 | 49.23 | 83.70 |
| | | MIDDLE | 3 625.00 | 36.20 | 13.00 | 49.20 | 83.25 |
| | | HIGH | 3 660.00 | 36.19 | 13.00 | 49.19 | 82.91 |
| 1 | QPSK | LOW | 3 590.00 | 36.28 | 13.00 | 49.28 | 84.80 |
| | | MIDDLE | 3 625.00 | 36.25 | 13.00 | 49.25 | 84.18 |
| | | HIGH | 3 660.00 | 36.30 | 13.00 | 49.30 | 85.04 |
| | 16QAM | LOW | 3 590.00 | 36.45 | 13.00 | 49.45 | 88.15 |
| | | MIDDLE | 3 625.00 | 36.41 | 13.00 | 49.41 | 87.34 |
| | | HIGH | 3 660.00 | 36.43 | 13.00 | 49.43 | 87.70 |
| | 64QAM | LOW | 3 590.00 | 36.44 | 13.00 | 49.44 | 87.96 |
| | | MIDDLE | 3 625.00 | 36.27 | 13.00 | 49.27 | 84.55 |
| | | HIGH | 3 660.00 | 36.39 | 13.00 | 49.39 | 86.82 |
| | 256QAM | LOW | 3 590.00 | 36.31 | 13.00 | 49.31 | 85.25 |
| | | MIDDLE | 3 625.00 | 36.22 | 13.00 | 49.22 | 83.58 |
| | | HIGH | 3 660.00 | 36.28 | 13.00 | 49.28 | 84.68 |

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 2 | QPSK | LOW | 3 590.00 | 36.14 | 13.00 | 49.14 | 81.94 |
| | | MIDDLE | 3 625.00 | 36.07 | 13.00 | 49.07 | 80.67 |
| | | HIGH | 3 660.00 | 36.21 | 13.00 | 49.21 | 83.31 |
| | 16QAM | LOW | 3 590.00 | 36.39 | 13.00 | 49.39 | 86.90 |
| | | MIDDLE | 3 625.00 | 36.13 | 13.00 | 49.13 | 81.79 |
| | | HIGH | 3 660.00 | 36.08 | 13.00 | 49.08 | 80.98 |
| | 64QAM | LOW | 3 590.00 | 36.18 | 13.00 | 49.18 | 82.72 |
| | | MIDDLE | 3 625.00 | 36.14 | 13.00 | 49.14 | 81.96 |
| | | HIGH | 3 660.00 | 36.19 | 13.00 | 49.19 | 82.95 |
| | 256QAM | LOW | 3 590.00 | 36.25 | 13.00 | 49.25 | 84.06 |
| | | MIDDLE | 3 625.00 | 36.17 | 13.00 | 49.17 | 82.68 |
| | | HIGH | 3 660.00 | 36.15 | 13.00 | 49.15 | 82.24 |
| 3 | QPSK | LOW | 3 590.00 | 36.48 | 13.00 | 49.48 | 88.70 |
| | | MIDDLE | 3 625.00 | 36.38 | 13.00 | 49.38 | 86.70 |
| | | HIGH | 3 660.00 | 36.47 | 13.00 | 49.47 | 88.57 |
| | 16QAM | LOW | 3 590.00 | 36.68 | 13.00 | 49.68 | 92.94 |
| | | MIDDLE | 3 625.00 | 36.42 | 13.00 | 49.42 | 87.54 |
| | | HIGH | 3 660.00 | 36.54 | 13.00 | 49.54 | 89.89 |
| | 64QAM | LOW | 3 590.00 | 36.37 | 13.00 | 49.37 | 86.48 |
| | | MIDDLE | 3 625.00 | 36.46 | 13.00 | 49.46 | 88.37 |
| | | HIGH | 3 660.00 | 36.47 | 13.00 | 49.47 | 88.57 |
| | 256QAM | LOW | 3 590.00 | 36.41 | 13.00 | 49.41 | 87.22 |
| | | MIDDLE | 3 625.00 | 36.38 | 13.00 | 49.38 | 86.78 |
| | | HIGH | 3 660.00 | 36.40 | 13.00 | 49.40 | 87.20 |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|-----------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 590.00 | 339.71 | 351.77 | 341.88 | 340.23 |
| 3 625.00 | 335.64 | 338.78 | 340.80 | 336.29 |
| 3 660.00 | 341.68 | 340.63 | 343.45 | 337.03 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|-----------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 590.00 | 46.28 | 46.43 | 46.31 | 46.29 | 47 |
| 3 625.00 | 46.23 | 46.27 | 46.29 | 46.24 | |
| 3 660.00 | 46.31 | 46.29 | 46.33 | 46.25 | |

CBRS LTE(15 MHz 1C + 15 MHz 1C + 15 MHz 1C + 15 MHz 1C + 10 MHz 1C)[5C]

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 0 | QPSK | LOW | 3 585.00 | 35.68 | 13.00 | 48.68 | 73.71 |
| | | MIDDLE | 3 625.00 | 35.61 | 13.00 | 48.61 | 72.56 |
| | | HIGH | 3 665.00 | 35.56 | 13.00 | 48.56 | 71.73 |
| | 16QAM | LOW | 3 585.00 | 35.59 | 13.00 | 48.59 | 72.28 |
| | | MIDDLE | 3 625.00 | 35.55 | 13.00 | 48.55 | 71.60 |
| | | HIGH | 3 665.00 | 35.54 | 13.00 | 48.54 | 71.50 |
| | 64QAM | LOW | 3 585.00 | 35.66 | 13.00 | 48.66 | 73.54 |
| | | MIDDLE | 3 625.00 | 35.61 | 13.00 | 48.61 | 72.61 |
| | | HIGH | 3 665.00 | 35.60 | 13.00 | 48.60 | 72.39 |
| | 256QAM | LOW | 3 585.00 | 35.55 | 13.00 | 48.55 | 71.65 |
| | | MIDDLE | 3 625.00 | 35.66 | 13.00 | 48.66 | 73.54 |
| | | HIGH | 3 665.00 | 35.67 | 13.00 | 48.67 | 73.59 |
| 1 | QPSK | LOW | 3 585.00 | 35.81 | 13.00 | 48.81 | 76.00 |
| | | MIDDLE | 3 625.00 | 35.62 | 13.00 | 48.62 | 72.71 |
| | | HIGH | 3 665.00 | 35.64 | 13.00 | 48.64 | 73.05 |
| | 16QAM | LOW | 3 585.00 | 35.84 | 13.00 | 48.84 | 76.51 |
| | | MIDDLE | 3 625.00 | 35.75 | 13.00 | 48.75 | 75.02 |
| | | HIGH | 3 665.00 | 35.70 | 13.00 | 48.70 | 74.10 |
| | 64QAM | LOW | 3 585.00 | 35.83 | 13.00 | 48.83 | 76.35 |
| | | MIDDLE | 3 625.00 | 35.61 | 13.00 | 48.61 | 72.63 |
| | | HIGH | 3 665.00 | 35.68 | 13.00 | 48.68 | 73.71 |
| | 256QAM | LOW | 3 585.00 | 35.73 | 13.00 | 48.73 | 74.70 |
| | | MIDDLE | 3 625.00 | 35.72 | 13.00 | 48.72 | 74.52 |
| | | HIGH | 3 665.00 | 35.71 | 13.00 | 48.71 | 74.25 |

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 2 | QPSK | LOW | 3 585.00 | 35.63 | 13.00 | 48.63 | 72.96 |
| | | MIDDLE | 3 625.00 | 35.54 | 13.00 | 48.54 | 71.50 |
| | | HIGH | 3 665.00 | 35.51 | 13.00 | 48.51 | 70.96 |
| | 16QAM | LOW | 3 585.00 | 35.67 | 13.00 | 48.67 | 73.57 |
| | | MIDDLE | 3 625.00 | 35.52 | 13.00 | 48.52 | 71.12 |
| | | HIGH | 3 665.00 | 35.55 | 13.00 | 48.55 | 71.61 |
| | 64QAM | LOW | 3 585.00 | 35.65 | 13.00 | 48.65 | 73.23 |
| | | MIDDLE | 3 625.00 | 35.54 | 13.00 | 48.54 | 71.42 |
| | | HIGH | 3 665.00 | 35.54 | 13.00 | 48.54 | 71.52 |
| | 256QAM | LOW | 3 585.00 | 35.71 | 13.00 | 48.71 | 74.27 |
| | | MIDDLE | 3 625.00 | 35.53 | 13.00 | 48.53 | 71.22 |
| | | HIGH | 3 665.00 | 35.57 | 13.00 | 48.57 | 72.01 |
| 3 | QPSK | LOW | 3 585.00 | 35.91 | 13.00 | 48.91 | 77.88 |
| | | MIDDLE | 3 625.00 | 35.74 | 13.00 | 48.74 | 74.73 |
| | | HIGH | 3 665.00 | 35.74 | 13.00 | 48.74 | 74.78 |
| | 16QAM | LOW | 3 585.00 | 35.90 | 13.00 | 48.90 | 77.59 |
| | | MIDDLE | 3 625.00 | 35.77 | 13.00 | 48.77 | 75.35 |
| | | HIGH | 3 665.00 | 35.87 | 13.00 | 48.87 | 77.07 |
| | 64QAM | LOW | 3 585.00 | 35.85 | 13.00 | 48.85 | 76.68 |
| | | MIDDLE | 3 625.00 | 35.76 | 13.00 | 48.76 | 75.21 |
| | | HIGH | 3 665.00 | 35.79 | 13.00 | 48.79 | 75.65 |
| | 256QAM | LOW | 3 585.00 | 36.05 | 13.00 | 49.05 | 80.33 |
| | | MIDDLE | 3 625.00 | 35.85 | 13.00 | 48.85 | 76.67 |
| | | HIGH | 3 665.00 | 35.84 | 13.00 | 48.84 | 76.59 |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|-----------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 585.00 | 300.54 | 299.94 | 299.80 | 300.95 |
| 3 625.00 | 291.50 | 293.10 | 291.87 | 295.95 |
| 3 665.00 | 290.52 | 294.28 | 293.26 | 296.44 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|-----------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 585.00 | 46.33 | 46.32 | 46.32 | 46.33 | 47 |
| 3 625.00 | 46.20 | 46.22 | 46.20 | 46.26 | |
| 3 665.00 | 46.18 | 46.24 | 46.22 | 46.27 | |

CBRS LTE(20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 10 MHz 1C)[5C]

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 0 | QPSK | LOW | 3 595.00 | 36.06 | 13.00 | 49.06 | 80.50 |
| | | MIDDLE | 3 625.00 | 36.19 | 13.00 | 49.19 | 83.02 |
| | | HIGH | 3 655.00 | 36.29 | 13.00 | 49.29 | 84.98 |
| | 16QAM | LOW | 3 595.00 | 36.14 | 13.00 | 49.14 | 82.09 |
| | | MIDDLE | 3 625.00 | 36.03 | 13.00 | 49.03 | 80.08 |
| | | HIGH | 3 655.00 | 36.09 | 13.00 | 49.09 | 81.13 |
| | 64QAM | LOW | 3 595.00 | 36.30 | 13.00 | 49.30 | 85.13 |
| | | MIDDLE | 3 625.00 | 36.31 | 13.00 | 49.31 | 85.37 |
| | | HIGH | 3 655.00 | 36.31 | 13.00 | 49.31 | 85.31 |
| | 256QAM | LOW | 3 595.00 | 36.32 | 13.00 | 49.32 | 85.51 |
| | | MIDDLE | 3 625.00 | 36.26 | 13.00 | 49.26 | 84.41 |
| | | HIGH | 3 655.00 | 36.27 | 13.00 | 49.27 | 84.61 |
| 1 | QPSK | LOW | 3 595.00 | 36.06 | 13.00 | 49.06 | 80.48 |
| | | MIDDLE | 3 625.00 | 36.27 | 13.00 | 49.27 | 84.57 |
| | | HIGH | 3 655.00 | 36.30 | 13.00 | 49.30 | 85.09 |
| | 16QAM | LOW | 3 595.00 | 36.36 | 13.00 | 49.36 | 86.22 |
| | | MIDDLE | 3 625.00 | 36.29 | 13.00 | 49.29 | 84.94 |
| | | HIGH | 3 655.00 | 36.36 | 13.00 | 49.36 | 86.22 |
| | 64QAM | LOW | 3 595.00 | 36.37 | 13.00 | 49.37 | 86.52 |
| | | MIDDLE | 3 625.00 | 36.34 | 13.00 | 49.34 | 85.88 |
| | | HIGH | 3 655.00 | 36.36 | 13.00 | 49.36 | 86.20 |
| | 256QAM | LOW | 3 595.00 | 36.64 | 13.00 | 49.64 | 92.11 |
| | | MIDDLE | 3 625.00 | 36.29 | 13.00 | 49.29 | 84.88 |
| | | HIGH | 3 655.00 | 36.30 | 13.00 | 49.30 | 85.07 |

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 2 | QPSK | LOW | 3 595.00 | 36.00 | 13.00 | 49.00 | 79.49 |
| | | MIDDLE | 3 625.00 | 36.09 | 13.00 | 49.09 | 81.04 |
| | | HIGH | 3 655.00 | 36.13 | 13.00 | 49.13 | 81.85 |
| | 16QAM | LOW | 3 595.00 | 36.15 | 13.00 | 49.15 | 82.21 |
| | | MIDDLE | 3 625.00 | 36.02 | 13.00 | 49.02 | 79.78 |
| | | HIGH | 3 655.00 | 36.14 | 13.00 | 49.14 | 82.11 |
| | 64QAM | LOW | 3 595.00 | 36.20 | 13.00 | 49.20 | 83.20 |
| | | MIDDLE | 3 625.00 | 36.18 | 13.00 | 49.18 | 82.70 |
| | | HIGH | 3 655.00 | 36.19 | 13.00 | 49.19 | 82.95 |
| | 256QAM | LOW | 3 595.00 | 36.51 | 13.00 | 49.51 | 89.27 |
| | | MIDDLE | 3 625.00 | 36.11 | 13.00 | 49.11 | 81.45 |
| | | HIGH | 3 655.00 | 36.15 | 13.00 | 49.15 | 82.28 |
| 3 | QPSK | LOW | 3 595.00 | 36.02 | 13.00 | 49.02 | 79.78 |
| | | MIDDLE | 3 625.00 | 36.41 | 13.00 | 49.41 | 87.28 |
| | | HIGH | 3 655.00 | 36.44 | 13.00 | 49.44 | 87.94 |
| | 16QAM | LOW | 3 595.00 | 36.44 | 13.00 | 49.44 | 87.90 |
| | | MIDDLE | 3 625.00 | 36.40 | 13.00 | 49.40 | 87.08 |
| | | HIGH | 3 655.00 | 36.45 | 13.00 | 49.45 | 88.06 |
| | 64QAM | LOW | 3 595.00 | 36.42 | 13.00 | 49.42 | 87.50 |
| | | MIDDLE | 3 625.00 | 36.47 | 13.00 | 49.47 | 88.43 |
| | | HIGH | 3 655.00 | 36.50 | 13.00 | 49.50 | 89.08 |
| | 256QAM | LOW | 3 595.00 | 36.74 | 13.00 | 49.74 | 94.25 |
| | | MIDDLE | 3 625.00 | 36.69 | 13.00 | 49.69 | 93.18 |
| | | HIGH | 3 655.00 | 36.45 | 13.00 | 49.45 | 88.08 |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|-----------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 595.00 | 320.25 | 338.42 | 342.34 | 361.14 |
| 3 625.00 | 335.91 | 331.87 | 342.38 | 343.92 |
| 3 655.00 | 339.86 | 337.53 | 343.54 | 340.05 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|-----------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 595.00 | 45.51 | 45.75 | 45.80 | 46.03 | 47 |
| 3 625.00 | 45.72 | 45.67 | 45.80 | 45.82 | |
| 3 655.00 | 45.77 | 45.74 | 45.82 | 45.77 | |

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

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 0 | QPSK | LOW | 3 600.00 | 36.64 | 13.00 | 49.64 | 92.02 |
| | | MIDDLE | 3 625.00 | 36.39 | 13.00 | 49.39 | 86.96 |
| | | HIGH | 3 650.00 | 36.16 | 13.00 | 49.16 | 82.43 |
| | 16QAM | LOW | 3 600.00 | 36.08 | 13.00 | 49.08 | 81.00 |
| | | MIDDLE | 3 625.00 | 36.13 | 13.00 | 49.13 | 81.77 |
| | | HIGH | 3 650.00 | 36.02 | 13.00 | 49.02 | 79.78 |
| | 64QAM | LOW | 3 600.00 | 36.43 | 13.00 | 49.43 | 87.66 |
| | | MIDDLE | 3 625.00 | 36.22 | 13.00 | 49.22 | 83.50 |
| | | HIGH | 3 650.00 | 36.36 | 13.00 | 49.36 | 86.20 |
| | 256QAM | LOW | 3 600.00 | 36.47 | 13.00 | 49.47 | 88.45 |
| | | MIDDLE | 3 625.00 | 36.28 | 13.00 | 49.28 | 84.74 |
| | | HIGH | 3 650.00 | 36.40 | 13.00 | 49.40 | 87.20 |
| 1 | QPSK | LOW | 3 600.00 | 36.78 | 13.00 | 49.78 | 95.06 |
| | | MIDDLE | 3 625.00 | 36.39 | 13.00 | 49.39 | 86.96 |
| | | HIGH | 3 650.00 | 36.22 | 13.00 | 49.22 | 83.46 |
| | 16QAM | LOW | 3 600.00 | 36.27 | 13.00 | 49.27 | 84.53 |
| | | MIDDLE | 3 625.00 | 36.29 | 13.00 | 49.29 | 84.98 |
| | | HIGH | 3 650.00 | 36.27 | 13.00 | 49.27 | 84.47 |
| | 64QAM | LOW | 3 600.00 | 36.44 | 13.00 | 49.44 | 87.80 |
| | | MIDDLE | 3 625.00 | 36.21 | 13.00 | 49.21 | 83.41 |
| | | HIGH | 3 650.00 | 36.36 | 13.00 | 49.36 | 86.22 |
| | 256QAM | LOW | 3 600.00 | 36.50 | 13.00 | 49.50 | 89.08 |
| | | MIDDLE | 3 625.00 | 36.26 | 13.00 | 49.26 | 84.26 |
| | | HIGH | 3 650.00 | 36.45 | 13.00 | 49.45 | 88.21 |

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 2 | QPSK | LOW | 3 600.00 | 36.10 | 13.00 | 49.10 | 81.38 |
| | | MIDDLE | 3 625.00 | 36.18 | 13.00 | 49.18 | 82.87 |
| | | HIGH | 3 650.00 | 36.09 | 13.00 | 49.09 | 81.11 |
| | 16QAM | LOW | 3 600.00 | 36.28 | 13.00 | 49.28 | 84.76 |
| | | MIDDLE | 3 625.00 | 36.10 | 13.00 | 49.10 | 81.38 |
| | | HIGH | 3 650.00 | 36.10 | 13.00 | 49.10 | 81.30 |
| | 64QAM | LOW | 3 600.00 | 36.26 | 13.00 | 49.26 | 84.31 |
| | | MIDDLE | 3 625.00 | 36.08 | 13.00 | 49.08 | 80.87 |
| | | HIGH | 3 650.00 | 36.22 | 13.00 | 49.22 | 83.52 |
| | 256QAM | LOW | 3 600.00 | 36.35 | 13.00 | 49.35 | 86.16 |
| | | MIDDLE | 3 625.00 | 36.16 | 13.00 | 49.16 | 82.39 |
| | | HIGH | 3 650.00 | 36.26 | 13.00 | 49.26 | 84.43 |
| 3 | QPSK | LOW | 3 600.00 | 36.35 | 13.00 | 49.35 | 86.06 |
| | | MIDDLE | 3 625.00 | 36.45 | 13.00 | 49.45 | 88.15 |
| | | HIGH | 3 650.00 | 36.28 | 13.00 | 49.28 | 84.70 |
| | 16QAM | LOW | 3 600.00 | 36.00 | 13.00 | 49.00 | 79.47 |
| | | MIDDLE | 3 625.00 | 36.37 | 13.00 | 49.37 | 86.52 |
| | | HIGH | 3 650.00 | 36.37 | 13.00 | 49.37 | 86.52 |
| | 64QAM | LOW | 3 600.00 | 36.52 | 13.00 | 49.52 | 89.43 |
| | | MIDDLE | 3 625.00 | 36.30 | 13.00 | 49.30 | 85.13 |
| | | HIGH | 3 650.00 | 36.45 | 13.00 | 49.45 | 88.06 |
| | 256QAM | LOW | 3 600.00 | 36.63 | 13.00 | 49.63 | 91.90 |
| | | MIDDLE | 3 625.00 | 36.36 | 13.00 | 49.36 | 86.30 |
| | | HIGH | 3 650.00 | 36.50 | 13.00 | 49.50 | 89.17 |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|-----------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 600.00 | 354.52 | 329.76 | 349.21 | 355.59 |
| 3 625.00 | 344.93 | 334.64 | 332.91 | 337.69 |
| 3 650.00 | 331.71 | 332.07 | 344.00 | 349.00 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|-----------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 600.00 | 45.50 | 45.18 | 45.43 | 45.51 | 47 |
| 3 625.00 | 45.38 | 45.25 | 45.22 | 45.29 | |
| 3 650.00 | 45.21 | 45.21 | 45.37 | 45.43 | |

CBRS NR 40 MHz 1C + NR 20 MHz 1C + NR 20 MHz 1C + LTE 10 MHz 1C + LTE 10 MHz 1C[5C]

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 0 | QPSK | LOW | 3 600.00 | 36.18 | 13.00 | 49.18 | 82.74 |
| | | MIDDLE | 3 625.00 | 36.29 | 13.00 | 49.29 | 84.94 |
| | | HIGH | 3 650.00 | 36.08 | 13.00 | 49.08 | 80.87 |
| | 16QAM | LOW | 3 600.00 | 36.17 | 13.00 | 49.17 | 82.58 |
| | | MIDDLE | 3 625.00 | 36.15 | 13.00 | 49.15 | 82.17 |
| | | HIGH | 3 650.00 | 36.11 | 13.00 | 49.11 | 81.38 |
| | 64QAM | LOW | 3 600.00 | 36.05 | 13.00 | 49.05 | 80.33 |
| | | MIDDLE | 3 625.00 | 36.33 | 13.00 | 49.33 | 85.68 |
| | | HIGH | 3 650.00 | 36.39 | 13.00 | 49.39 | 86.82 |
| | 256QAM | LOW | 3 600.00 | 36.32 | 13.00 | 49.32 | 85.49 |
| | | MIDDLE | 3 625.00 | 36.26 | 13.00 | 49.26 | 84.31 |
| | | HIGH | 3 650.00 | 36.33 | 13.00 | 49.33 | 85.66 |
| 1 | QPSK | LOW | 3 600.00 | 36.12 | 13.00 | 49.12 | 81.73 |
| | | MIDDLE | 3 625.00 | 36.25 | 13.00 | 49.25 | 84.08 |
| | | HIGH | 3 650.00 | 36.10 | 13.00 | 49.10 | 81.32 |
| | 16QAM | LOW | 3 600.00 | 36.08 | 13.00 | 49.08 | 80.89 |
| | | MIDDLE | 3 625.00 | 36.30 | 13.00 | 49.30 | 85.04 |
| | | HIGH | 3 650.00 | 36.40 | 13.00 | 49.40 | 87.18 |
| | 64QAM | LOW | 3 600.00 | 36.22 | 13.00 | 49.22 | 83.60 |
| | | MIDDLE | 3 625.00 | 36.26 | 13.00 | 49.26 | 84.33 |
| | | HIGH | 3 650.00 | 36.40 | 13.00 | 49.40 | 87.14 |
| | 256QAM | LOW | 3 600.00 | 36.26 | 13.00 | 49.26 | 84.33 |
| | | MIDDLE | 3 625.00 | 36.28 | 13.00 | 49.28 | 84.76 |
| | | HIGH | 3 650.00 | 36.35 | 13.00 | 49.35 | 86.02 |

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 2 | QPSK | LOW | 3 600.00 | 36.11 | 13.00 | 49.11 | 81.47 |
| | | MIDDLE | 3 625.00 | 36.05 | 13.00 | 49.05 | 80.26 |
| | | HIGH | 3 650.00 | 36.42 | 13.00 | 49.42 | 87.42 |
| | 16QAM | LOW | 3 600.00 | 36.13 | 13.00 | 49.13 | 81.88 |
| | | MIDDLE | 3 625.00 | 36.10 | 13.00 | 49.10 | 81.30 |
| | | HIGH | 3 650.00 | 36.17 | 13.00 | 49.17 | 82.62 |
| | 64QAM | LOW | 3 600.00 | 36.18 | 13.00 | 49.18 | 82.76 |
| | | MIDDLE | 3 625.00 | 36.12 | 13.00 | 49.12 | 81.75 |
| | | HIGH | 3 650.00 | 36.24 | 13.00 | 49.24 | 84.00 |
| | 256QAM | LOW | 3 600.00 | 36.16 | 13.00 | 49.16 | 82.38 |
| | | MIDDLE | 3 625.00 | 36.07 | 13.00 | 49.07 | 80.80 |
| | | HIGH | 3 650.00 | 36.15 | 13.00 | 49.15 | 82.15 |
| 3 | QPSK | LOW | 3 600.00 | 36.13 | 13.00 | 49.13 | 81.88 |
| | | MIDDLE | 3 625.00 | 36.36 | 13.00 | 49.36 | 86.36 |
| | | HIGH | 3 650.00 | 36.03 | 13.00 | 49.03 | 80.04 |
| | 16QAM | LOW | 3 600.00 | 36.15 | 13.00 | 49.15 | 82.32 |
| | | MIDDLE | 3 625.00 | 36.43 | 13.00 | 49.43 | 87.72 |
| | | HIGH | 3 650.00 | 36.46 | 13.00 | 49.46 | 88.23 |
| | 64QAM | LOW | 3 600.00 | 36.48 | 13.00 | 49.48 | 88.70 |
| | | MIDDLE | 3 625.00 | 36.44 | 13.00 | 49.44 | 87.84 |
| | | HIGH | 3 650.00 | 36.52 | 13.00 | 49.52 | 89.50 |
| | 256QAM | LOW | 3 600.00 | 36.41 | 13.00 | 49.41 | 87.36 |
| | | MIDDLE | 3 625.00 | 36.40 | 13.00 | 49.40 | 87.18 |
| | | HIGH | 3 650.00 | 36.45 | 13.00 | 49.45 | 88.02 |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|-----------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 600.00 | 327.83 | 327.68 | 335.38 | 339.55 |
| 3 625.00 | 335.64 | 336.22 | 339.61 | 337.05 |
| 3 650.00 | 329.65 | 339.40 | 347.45 | 341.86 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|-----------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 600.00 | 45.16 | 45.15 | 45.26 | 45.31 | 47 |
| 3 625.00 | 45.26 | 45.27 | 45.31 | 45.28 | |
| 3 650.00 | 45.18 | 45.31 | 45.41 | 45.34 | |

CBRS NR 40 MHz 1C + NR 10 MHz 1C + LTE 20 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C[5C]

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 0 | QPSK | LOW | 3 590.00 | 36.21 | 13.00 | 49.21 | 83.37 |
| | | MIDDLE | 3 625.00 | 36.30 | 13.00 | 49.30 | 85.06 |
| | | HIGH | 3 660.00 | 36.21 | 13.00 | 49.21 | 83.29 |
| | 16QAM | LOW | 3 590.00 | 36.33 | 13.00 | 49.33 | 85.64 |
| | | MIDDLE | 3 625.00 | 36.25 | 13.00 | 49.25 | 84.12 |
| | | HIGH | 3 660.00 | 36.23 | 13.00 | 49.23 | 83.71 |
| | 64QAM | LOW | 3 590.00 | 36.33 | 13.00 | 49.33 | 85.62 |
| | | MIDDLE | 3 625.00 | 36.33 | 13.00 | 49.33 | 85.80 |
| | | HIGH | 3 660.00 | 36.24 | 13.00 | 49.24 | 84.02 |
| | 256QAM | LOW | 3 590.00 | 36.20 | 13.00 | 49.20 | 83.12 |
| | | MIDDLE | 3 625.00 | 36.28 | 13.00 | 49.28 | 84.63 |
| | | HIGH | 3 660.00 | 36.19 | 13.00 | 49.19 | 82.89 |
| 1 | QPSK | LOW | 3 590.00 | 36.25 | 13.00 | 49.25 | 84.14 |
| | | MIDDLE | 3 625.00 | 36.20 | 13.00 | 49.20 | 83.16 |
| | | HIGH | 3 660.00 | 36.19 | 13.00 | 49.19 | 82.97 |
| | 16QAM | LOW | 3 590.00 | 36.45 | 13.00 | 49.45 | 88.19 |
| | | MIDDLE | 3 625.00 | 36.47 | 13.00 | 49.47 | 88.53 |
| | | HIGH | 3 660.00 | 36.42 | 13.00 | 49.42 | 87.48 |
| | 64QAM | LOW | 3 590.00 | 36.30 | 13.00 | 49.30 | 85.09 |
| | | MIDDLE | 3 625.00 | 36.32 | 13.00 | 49.32 | 85.53 |
| | | HIGH | 3 660.00 | 36.28 | 13.00 | 49.28 | 84.74 |
| | 256QAM | LOW | 3 590.00 | 36.21 | 13.00 | 49.21 | 83.41 |
| | | MIDDLE | 3 625.00 | 36.27 | 13.00 | 49.27 | 84.51 |
| | | HIGH | 3 660.00 | 36.22 | 13.00 | 49.22 | 83.54 |

| Ant | Modulation | Channel | Frequency (MHz) | Measured Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|-----|------------|---------|-----------------|----------------------|------------------------|----------------|----------------|
| 2 | QPSK | LOW | 3 590.00 | 36.06 | 13.00 | 49.06 | 80.46 |
| | | MIDDLE | 3 625.00 | 36.27 | 13.00 | 49.27 | 84.57 |
| | | HIGH | 3 660.00 | 36.08 | 13.00 | 49.08 | 80.91 |
| | 16QAM | LOW | 3 590.00 | 36.22 | 13.00 | 49.22 | 83.64 |
| | | MIDDLE | 3 625.00 | 36.26 | 13.00 | 49.26 | 84.26 |
| | | HIGH | 3 660.00 | 36.24 | 13.00 | 49.24 | 84.04 |
| | 64QAM | LOW | 3 590.00 | 36.11 | 13.00 | 49.11 | 81.49 |
| | | MIDDLE | 3 625.00 | 36.17 | 13.00 | 49.17 | 82.57 |
| | | HIGH | 3 660.00 | 36.06 | 13.00 | 49.06 | 80.54 |
| | 256QAM | LOW | 3 590.00 | 36.04 | 13.00 | 49.04 | 80.11 |
| | | MIDDLE | 3 625.00 | 36.26 | 13.00 | 49.26 | 84.29 |
| | | HIGH | 3 660.00 | 36.03 | 13.00 | 49.03 | 79.98 |
| 3 | QPSK | LOW | 3 590.00 | 36.31 | 13.00 | 49.31 | 85.29 |
| | | MIDDLE | 3 625.00 | 36.31 | 13.00 | 49.31 | 85.23 |
| | | HIGH | 3 660.00 | 36.28 | 13.00 | 49.28 | 84.76 |
| | 16QAM | LOW | 3 590.00 | 36.53 | 13.00 | 49.53 | 89.78 |
| | | MIDDLE | 3 625.00 | 36.50 | 13.00 | 49.50 | 89.04 |
| | | HIGH | 3 660.00 | 36.49 | 13.00 | 49.49 | 88.92 |
| | 64QAM | LOW | 3 590.00 | 36.41 | 13.00 | 49.41 | 87.24 |
| | | MIDDLE | 3 625.00 | 36.40 | 13.00 | 49.40 | 87.18 |
| | | HIGH | 3 660.00 | 36.31 | 13.00 | 49.31 | 85.27 |
| | 256QAM | LOW | 3 590.00 | 36.31 | 13.00 | 49.31 | 85.21 |
| | | MIDDLE | 3 625.00 | 36.26 | 13.00 | 49.26 | 84.29 |
| | | HIGH | 3 660.00 | 36.22 | 13.00 | 49.22 | 83.60 |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|-----------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 590.00 | 333.26 | 347.25 | 339.45 | 331.85 |
| 3 625.00 | 338.01 | 345.95 | 341.07 | 337.72 |
| 3 660.00 | 331.93 | 344.16 | 334.57 | 330.01 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|-----------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 590.00 | 45.23 | 45.41 | 45.31 | 45.21 | 47 |
| 3 625.00 | 45.29 | 45.39 | 45.33 | 45.29 | |
| 3 660.00 | 45.21 | 45.37 | 45.24 | 45.19 | |

Tabular Data of RF Non-Contiguous output power
CBRS NR(60 MHz 1C + 30 MHz 1C)[2C]

| Ant. | Mod | NR 60 MHz | | NR 30 MHz | | Summation Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|------|--------|-----------------|----------------------|-----------------|----------------------|-----------------------|------------------------|----------------|----------------|
| | | Frequency (MHz) | Measured Value (dBm) | Frequency (MHz) | Measured Value (dBm) | | | | |
| 0 | QPSK | 3 580.00 | 34.65 | 3 685.00 | 31.73 | 36.44 | 13.00 | 49.44 | 87.92 |
| | 16QAM | 3 580.00 | 34.30 | 3 685.00 | 31.26 | 36.05 | 13.00 | 49.05 | 80.35 |
| | 64QAM | 3 580.00 | 34.63 | 3 685.00 | 31.23 | 36.26 | 13.00 | 49.26 | 84.41 |
| | 256QAM | 3 685.00 | 34.33 | 3 685.00 | 31.53 | 36.16 | 13.00 | 49.16 | 82.49 |
| 1 | QPSK | 3 580.00 | 34.40 | 3 685.00 | 31.60 | 36.23 | 13.00 | 49.23 | 83.83 |
| | 16QAM | 3 580.00 | 34.48 | 3 685.00 | 31.48 | 36.24 | 13.00 | 49.24 | 84.02 |
| | 64QAM | 3 580.00 | 34.34 | 3 685.00 | 31.38 | 36.11 | 13.00 | 49.11 | 81.55 |
| | 256QAM | 3 685.00 | 34.50 | 3 685.00 | 31.81 | 36.37 | 13.00 | 49.37 | 86.52 |
| 2 | QPSK | 3 580.00 | 34.53 | 3 685.00 | 31.80 | 36.39 | 13.00 | 49.39 | 86.82 |
| | 16QAM | 3 580.00 | 34.26 | 3 685.00 | 31.22 | 36.01 | 13.00 | 49.01 | 79.67 |
| | 64QAM | 3 715.00 | 34.32 | 3 715.00 | 31.28 | 36.07 | 13.00 | 49.07 | 80.74 |
| | 256QAM | 3 685.00 | 34.35 | 3 685.00 | 31.61 | 36.20 | 13.00 | 49.20 | 83.21 |
| 3 | QPSK | 3 580.00 | 34.88 | 3 685.00 | 32.07 | 36.71 | 13.00 | 49.71 | 93.45 |
| | 16QAM | 3 580.00 | 34.63 | 3 685.00 | 31.64 | 36.40 | 13.00 | 49.40 | 87.02 |
| | 64QAM | 3 715.00 | 34.54 | 3 715.00 | 31.52 | 36.29 | 13.00 | 49.29 | 85.02 |
| | 256QAM | 3 685.00 | 34.61 | 3 685.00 | 31.90 | 36.47 | 13.00 | 49.47 | 88.59 |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|---------------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 580.00 + 3 685.00 | 352.02 | 331.06 | 331.71 | 340.81 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|---------------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 580.00 + 3 685.00 | 45.92 | 45.66 | 45.67 | 45.78 | 47 |

CBRS LTE(15 MHz 1C + 15 MHz 1C)[2C]

| Ant. | Mod | LTE 15 MHz | | LTE 15 MHz | | Summation Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|------|--------|-----------------|----------------------|-----------------|----------------------|-----------------------|------------------------|----------------|----------------|
| | | Frequency (MHz) | Measured Value (dBm) | Frequency (MHz) | Measured Value (dBm) | | | | |
| 0 | QPSK | 3 557.50 | 29.98 | 3 692.50 | 30.52 | 33.27 | 12.00 | 45.27 | 33.64 |
| | 16QAM | 3 557.50 | 30.04 | 3 692.50 | 29.86 | 32.96 | 12.00 | 44.96 | 31.36 |
| | 64QAM | 3 557.50 | 30.19 | 3 692.50 | 30.24 | 33.22 | 12.00 | 45.22 | 33.30 |
| | 256QAM | 3 557.50 | 30.46 | 3 692.50 | 29.82 | 33.16 | 12.00 | 45.16 | 32.83 |
| 1 | QPSK | 3 557.50 | 30.01 | 3 692.50 | 30.52 | 33.28 | 12.00 | 45.28 | 33.75 |
| | 16QAM | 3 557.50 | 30.20 | 3 692.50 | 29.91 | 33.07 | 12.00 | 45.07 | 32.14 |
| | 64QAM | 3 557.50 | 30.16 | 3 692.50 | 30.26 | 33.22 | 12.00 | 45.22 | 33.27 |
| | 256QAM | 3 557.50 | 30.59 | 3 692.50 | 29.87 | 33.26 | 12.00 | 45.26 | 33.54 |
| 2 | QPSK | 3 557.50 | 30.48 | 3 692.50 | 30.72 | 33.61 | 12.00 | 45.61 | 36.40 |
| | 16QAM | 3 557.50 | 30.41 | 3 692.50 | 29.78 | 33.11 | 12.00 | 45.11 | 32.46 |
| | 64QAM | 3 557.50 | 30.80 | 3 692.50 | 30.62 | 33.72 | 12.00 | 45.72 | 37.31 |
| | 256QAM | 3 557.50 | 30.40 | 3 692.50 | 29.88 | 33.16 | 12.00 | 45.16 | 32.79 |
| 3 | QPSK | 3 557.50 | 30.19 | 3 692.50 | 30.27 | 33.24 | 12.00 | 45.24 | 33.40 |
| | 16QAM | 3 557.50 | 30.39 | 3 692.50 | 29.89 | 33.16 | 12.00 | 45.16 | 32.79 |
| | 64QAM | 3 557.50 | 30.43 | 3 692.50 | 30.11 | 33.28 | 12.00 | 45.28 | 33.74 |
| | 256QAM | 3 557.50 | 30.59 | 3 692.50 | 29.82 | 33.23 | 12.00 | 45.23 | 33.38 |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|---------------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 557.50 + 3 692.50 | 137.20 | 128.76 | 137.61 | 132.54 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|---------------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 557.50 + 3 692.50 | 46.60 | 46.33 | 46.62 | 46.45 | 47 |

CBRS LTE 5 MHz 1C + NR 10 MHz 1C[2C]

| Ant. | Mod | LTE 5 MHz | | NR 10 MHz | | Summation Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|------|--------|-----------------|----------------------|-----------------|----------------------|-----------------------|------------------------|----------------|----------------|
| | | Frequency (MHz) | Measured Value (dBm) | Frequency (MHz) | Measured Value (dBm) | | | | |
| 0 | QPSK | 3 552.50 | 25.53 | 3 695.00 | 28.17 | 30.06 | 11.00 | 41.06 | 12.77 |
| | 16QAM | 3 552.50 | 25.58 | 3 695.00 | 28.16 | 30.07 | 11.00 | 41.07 | 12.79 |
| | 64QAM | 3 552.50 | 25.42 | 3 695.00 | 28.41 | 30.18 | 11.00 | 41.18 | 13.12 |
| | 256QAM | 3 552.50 | 25.04 | 3 695.00 | 28.32 | 29.99 | 11.00 | 40.99 | 12.57 |
| 1 | QPSK | 3 552.50 | 25.77 | 3 695.00 | 28.08 | 30.09 | 11.00 | 41.09 | 12.85 |
| | 16QAM | 3 552.50 | 25.65 | 3 695.00 | 28.75 | 30.48 | 11.00 | 41.48 | 14.07 |
| | 64QAM | 3 552.50 | 25.82 | 3 695.00 | 28.81 | 30.58 | 11.00 | 41.58 | 14.39 |
| | 256QAM | 3 552.50 | 25.35 | 3 695.00 | 28.50 | 30.22 | 11.00 | 41.22 | 13.23 |
| 2 | QPSK | 3 552.50 | 25.62 | 3 695.00 | 28.01 | 29.99 | 11.00 | 40.99 | 12.56 |
| | 16QAM | 3 552.50 | 25.47 | 3 695.00 | 28.55 | 30.29 | 11.00 | 41.29 | 13.45 |
| | 64QAM | 3 552.50 | 25.54 | 3 695.00 | 28.56 | 30.32 | 11.00 | 41.32 | 13.54 |
| | 256QAM | 3 552.50 | 25.15 | 3 695.00 | 28.37 | 30.06 | 11.00 | 41.06 | 12.76 |
| 3 | QPSK | 3 552.50 | 25.92 | 3 695.00 | 28.42 | 30.35 | 11.00 | 41.35 | 13.66 |
| | 16QAM | 3 552.50 | 26.08 | 3 695.00 | 29.25 | 30.96 | 11.00 | 41.96 | 15.70 |
| | 64QAM | 3 552.50 | 25.88 | 3 695.00 | 28.95 | 30.69 | 11.00 | 41.69 | 14.76 |
| | 256QAM | 3 552.50 | 25.55 | 3 695.00 | 28.80 | 30.48 | 11.00 | 41.48 | 14.07 |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|---------------------|----------------|-------|-------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 552.50 + 3 695.00 | 51.83 | 56.01 | 55.80 | 52.63 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|---------------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 552.50 + 3 695.00 | 45.39 | 45.72 | 45.71 | 45.45 | 47 |

CBRS NR[20 MHz 1C + (20 MHz 1C + 10 MHz 1C)][3C(1C+2C)]

| Ant. | Mod | NR 20 MHz | | NR 20 MHz + NR 10 MHz | | Summation Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|------|--------|-----------------|----------------------|-----------------------|----------------------|-----------------------|------------------------|----------------|----------------|
| | | Frequency (MHz) | Measured Value (dBm) | Frequency (MHz) | Measured Value (dBm) | | | | |
| 0 | QPSK | 3 560.00 | 31.50 | 3 685.00 | 32.89 | 35.26 | 12.00 | 47.26 | 53.25 |
| | 16QAM | 3 560.00 | 31.76 | 3 685.00 | 33.09 | 35.48 | 12.00 | 47.48 | 56.00 |
| | 64QAM | 3 560.00 | 31.44 | 3 685.00 | 32.87 | 35.22 | 12.00 | 47.22 | 52.77 |
| | 256QAM | 3 560.00 | 31.54 | 3 685.00 | 32.86 | 35.26 | 12.00 | 47.26 | 53.25 |
| 1 | QPSK | 3 560.00 | 31.82 | 3 685.00 | 33.14 | 35.54 | 12.00 | 47.54 | 56.78 |
| | 16QAM | 3 560.00 | 32.04 | 3 685.00 | 33.31 | 35.73 | 12.00 | 47.73 | 59.32 |
| | 64QAM | 3 560.00 | 31.75 | 3 685.00 | 33.04 | 35.45 | 12.00 | 47.45 | 55.62 |
| | 256QAM | 3 560.00 | 31.87 | 3 685.00 | 33.02 | 35.49 | 12.00 | 47.49 | 56.16 |
| 2 | QPSK | 3 560.00 | 31.66 | 3 685.00 | 33.01 | 35.40 | 12.00 | 47.40 | 54.92 |
| | 16QAM | 3 560.00 | 31.76 | 3 685.00 | 33.11 | 35.50 | 12.00 | 47.50 | 56.22 |
| | 64QAM | 3 560.00 | 31.61 | 3 685.00 | 32.90 | 35.31 | 12.00 | 47.31 | 53.83 |
| | 256QAM | 3 560.00 | 31.70 | 3 685.00 | 32.91 | 35.36 | 12.00 | 47.36 | 54.40 |
| 3 | QPSK | 3 560.00 | 31.96 | 3 685.00 | 33.27 | 35.67 | 12.00 | 47.67 | 58.55 |
| | 16QAM | 3 560.00 | 32.02 | 3 685.00 | 33.36 | 35.75 | 12.00 | 47.75 | 59.58 |
| | 64QAM | 3 560.00 | 31.80 | 3 685.00 | 33.13 | 35.53 | 12.00 | 47.53 | 56.58 |
| | 256QAM | 3 560.00 | 31.97 | 3 685.00 | 33.18 | 35.63 | 12.00 | 47.63 | 57.92 |

Note: 1C: 1 Carrier, 2C: 2 Carrier, 3C: 3 Carrier

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|---------------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 560.00 + 3 685.00 | 223.49 | 231.12 | 218.80 | 221.72 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|---------------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 560.00 + 3 685.00 | 46.50 | 46.65 | 46.41 | 46.47 | 47 |

CBRS NR[(20 MHz 1C + 20 MHz 1C) + 10 MHz 1C][3C(2C+1C)]

| Ant. | Mod | NR 20 MHz + NR 20 MHz | | NR 10 MHz | | Summation Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|------|--------|-----------------------|----------------------|-----------------|----------------------|-----------------------|------------------------|----------------|----------------|
| | | Frequency (MHz) | Measured Value (dBm) | Frequency (MHz) | Measured Value (dBm) | | | | |
| 0 | QPSK | 3 570.00 | 34.19 | 3 695.00 | 28.26 | 35.17 | 12.00 | 47.17 | 52.17 |
| | 16QAM | 3 570.00 | 34.18 | 3 695.00 | 28.07 | 35.13 | 12.00 | 47.13 | 51.70 |
| | 64QAM | 3 570.00 | 34.03 | 3 695.00 | 28.11 | 35.02 | 12.00 | 47.02 | 50.38 |
| | 256QAM | 3 570.00 | 34.15 | 3 695.00 | 28.07 | 35.11 | 12.00 | 47.11 | 51.38 |
| 1 | QPSK | 3 570.00 | 34.36 | 3 695.00 | 28.36 | 35.33 | 12.00 | 47.33 | 54.14 |
| | 16QAM | 3 570.00 | 34.40 | 3 695.00 | 28.26 | 35.34 | 12.00 | 47.34 | 54.25 |
| | 64QAM | 3 570.00 | 34.19 | 3 695.00 | 28.32 | 35.19 | 12.00 | 47.19 | 52.35 |
| | 256QAM | 3 570.00 | 34.35 | 3 695.00 | 28.23 | 35.30 | 12.00 | 47.30 | 53.73 |
| 2 | QPSK | 3 570.00 | 34.25 | 3 695.00 | 28.38 | 35.25 | 12.00 | 47.25 | 53.10 |
| | 16QAM | 3 570.00 | 34.24 | 3 695.00 | 28.16 | 35.19 | 12.00 | 47.19 | 52.40 |
| | 64QAM | 3 570.00 | 34.08 | 3 695.00 | 28.21 | 35.08 | 12.00 | 47.08 | 51.07 |
| | 256QAM | 3 570.00 | 34.30 | 3 695.00 | 28.39 | 35.29 | 12.00 | 47.29 | 53.55 |
| 3 | QPSK | 3 570.00 | 34.52 | 3 695.00 | 28.64 | 35.52 | 12.00 | 47.52 | 56.43 |
| | 16QAM | 3 570.00 | 34.47 | 3 695.00 | 28.38 | 35.43 | 12.00 | 47.43 | 55.34 |
| | 64QAM | 3 570.00 | 34.36 | 3 695.00 | 28.53 | 35.37 | 12.00 | 47.37 | 54.58 |
| | 256QAM | 3 570.00 | 34.67 | 3 695.00 | 28.90 | 35.69 | 12.00 | 47.69 | 58.74 |

Note: 1C: 1 Carrier, 2C: 2 Carrier, 3C: 3 Carrier

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|---------------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 570.00 + 3 695.00 | 215.83 | 213.68 | 208.38 | 217.40 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|---------------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 570.00 + 3 695.00 | 46.35 | 46.31 | 46.20 | 46.38 | 47 |

CBRS NR[30 MHz 1C + (30 MHz 1C + 10 MHz 1C)][3C(1C+2C)]

| Ant. | Mod | NR 30 MHz | | NR 30 MHz + NR 10 MHz | | Summation Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|------|--------|-----------------|----------------------|-----------------------|----------------------|-----------------------|------------------------|----------------|----------------|
| | | Frequency (MHz) | Measured Value (dBm) | Frequency (MHz) | Measured Value (dBm) | | | | |
| 0 | QPSK | 3 565.00 | 34.93 | 3 680.00 | 27.29 | 35.62 | 13.00 | 49.00 | 79.34 |
| | 16QAM | 3 565.00 | 34.85 | 3 680.00 | 27.19 | 35.54 | 13.00 | 48.72 | 74.44 |
| | 64QAM | 3 565.00 | 34.90 | 3 680.00 | 27.27 | 35.59 | 13.00 | 48.80 | 75.91 |
| | 256QAM | 3 565.00 | 34.90 | 3 680.00 | 26.99 | 35.55 | 13.00 | 48.84 | 76.61 |
| 1 | QPSK | 3 565.00 | 35.16 | 3 680.00 | 27.50 | 35.84 | 13.00 | 49.24 | 84.00 |
| | 16QAM | 3 565.00 | 35.09 | 3 680.00 | 27.44 | 35.78 | 13.00 | 48.98 | 79.05 |
| | 64QAM | 3 565.00 | 35.12 | 3 680.00 | 27.50 | 35.82 | 13.00 | 49.07 | 80.69 |
| | 256QAM | 3 565.00 | 35.11 | 3 680.00 | 27.21 | 35.76 | 13.00 | 49.03 | 80.00 |
| 2 | QPSK | 3 565.00 | 35.11 | 3 680.00 | 27.45 | 35.80 | 13.00 | 49.10 | 81.32 |
| | 16QAM | 3 565.00 | 34.98 | 3 680.00 | 27.37 | 35.67 | 13.00 | 48.77 | 75.40 |
| | 64QAM | 3 565.00 | 35.02 | 3 680.00 | 27.46 | 35.72 | 13.00 | 48.97 | 78.89 |
| | 256QAM | 3 565.00 | 34.98 | 3 680.00 | 27.12 | 35.64 | 13.00 | 48.91 | 77.84 |
| 3 | QPSK | 3 565.00 | 35.25 | 3 680.00 | 27.63 | 35.94 | 13.00 | 49.34 | 85.96 |
| | 16QAM | 3 565.00 | 35.13 | 3 680.00 | 27.56 | 35.83 | 13.00 | 49.08 | 80.89 |
| | 64QAM | 3 565.00 | 35.17 | 3 680.00 | 27.63 | 35.87 | 13.00 | 49.19 | 82.93 |
| | 256QAM | 3 565.00 | 35.18 | 3 680.00 | 27.41 | 35.85 | 13.00 | 49.13 | 81.77 |

Note: 1C: 1 Carrier, 2C: 2 Carrier, 3C: 3 Carrier

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|---------------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 565.00 + 3 680.00 | 330.63 | 309.78 | 318.41 | 316.23 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|---------------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 565.00 + 3 680.00 | 46.74 | 46.46 | 46.58 | 46.55 | 47 |

CBRS NR[(30 MHz 1C + 30 MHz 1C) + 10 MHz 1C][3C(2C+1C)]

| Ant. | Mod | NR 30 MHz + NR 30 MHz | | NR 10 MHz | | Summation Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|------|--------|-----------------------|----------------------|-----------------|----------------------|-----------------------|------------------------|----------------|----------------|
| | | Frequency (MHz) | Measured Value (dBm) | Frequency (MHz) | Measured Value (dBm) | | | | |
| 0 | QPSK | 3 580.00 | 34.93 | 3 695.00 | 27.29 | 35.62 | 13.00 | 48.62 | 72.86 |
| | 16QAM | 3 580.00 | 34.85 | 3 695.00 | 27.19 | 35.54 | 13.00 | 48.54 | 71.42 |
| | 64QAM | 3 580.00 | 34.90 | 3 695.00 | 27.27 | 35.59 | 13.00 | 48.59 | 72.24 |
| | 256QAM | 3 580.00 | 34.90 | 3 695.00 | 26.99 | 35.55 | 13.00 | 48.55 | 71.66 |
| 1 | QPSK | 3 580.00 | 35.16 | 3 695.00 | 27.50 | 35.84 | 13.00 | 48.84 | 76.63 |
| | 16QAM | 3 580.00 | 35.09 | 3 695.00 | 27.44 | 35.78 | 13.00 | 48.78 | 75.44 |
| | 64QAM | 3 580.00 | 35.12 | 3 695.00 | 27.50 | 35.82 | 13.00 | 48.82 | 76.14 |
| | 256QAM | 3 580.00 | 35.11 | 3 695.00 | 27.21 | 35.76 | 13.00 | 48.76 | 75.21 |
| 2 | QPSK | 3 580.00 | 35.11 | 3 695.00 | 27.45 | 35.80 | 13.00 | 48.80 | 75.86 |
| | 16QAM | 3 580.00 | 34.98 | 3 695.00 | 27.37 | 35.67 | 13.00 | 48.67 | 73.71 |
| | 64QAM | 3 580.00 | 35.02 | 3 695.00 | 27.46 | 35.72 | 13.00 | 48.72 | 74.56 |
| | 256QAM | 3 580.00 | 34.98 | 3 695.00 | 27.12 | 35.64 | 13.00 | 48.64 | 73.11 |
| 3 | QPSK | 3 580.00 | 35.25 | 3 695.00 | 27.63 | 35.94 | 13.00 | 48.94 | 78.32 |
| | 16QAM | 3 580.00 | 35.13 | 3 695.00 | 27.56 | 35.83 | 13.00 | 48.83 | 76.33 |
| | 64QAM | 3 580.00 | 35.17 | 3 695.00 | 27.63 | 35.87 | 13.00 | 48.87 | 77.09 |
| | 256QAM | 3 580.00 | 35.18 | 3 695.00 | 27.41 | 35.85 | 13.00 | 48.85 | 76.81 |

Note: 1C: 1 Carrier, 2C: 2 Carrier, 3C: 3 Carrier

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|---------------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 580.00 + 3 695.00 | 303.67 | 296.89 | 300.03 | 296.80 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|---------------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 580.00 + 3 695.00 | 46.37 | 46.27 | 46.32 | 46.27 | 47 |

CBRS LTE[15 MHz 1C + (15 MHz 1C + 10 MHz 1C)][3C(1C+2C)]

| Ant. | Mod | LTE 15 MHz | | LTE 15 MHz + LTE 10 MHz | | Summation Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|------|--------|-----------------|----------------------|-------------------------|----------------------|-----------------------|------------------------|----------------|----------------|
| | | Frequency (MHz) | Measured Value (dBm) | Frequency (MHz) | Measured Value (dBm) | | | | |
| 0 | QPSK | 3 557.50 | 30.34 | 3 687.50 | 31.98 | 34.25 | 12.00 | 46.25 | 42.14 |
| | 16QAM | 3 557.50 | 30.29 | 3 687.50 | 32.15 | 34.33 | 12.00 | 46.33 | 42.99 |
| | 64QAM | 3 557.50 | 30.06 | 3 687.50 | 32.13 | 34.23 | 12.00 | 46.23 | 41.95 |
| | 256QAM | 3 557.50 | 30.38 | 3 687.50 | 32.02 | 34.29 | 12.00 | 46.29 | 42.55 |
| 1 | QPSK | 3 557.50 | 30.52 | 3 687.50 | 32.19 | 34.44 | 12.00 | 46.44 | 44.11 |
| | 16QAM | 3 557.50 | 30.49 | 3 687.50 | 32.44 | 34.59 | 12.00 | 46.59 | 45.55 |
| | 64QAM | 3 557.50 | 30.30 | 3 687.50 | 32.33 | 34.44 | 12.00 | 46.44 | 44.07 |
| | 256QAM | 3 557.50 | 30.63 | 3 687.50 | 32.30 | 34.56 | 12.00 | 46.56 | 45.24 |
| 2 | QPSK | 3 557.50 | 30.51 | 3 687.50 | 32.16 | 34.42 | 12.00 | 46.42 | 43.88 |
| | 16QAM | 3 557.50 | 30.32 | 3 687.50 | 32.21 | 34.38 | 12.00 | 46.38 | 43.43 |
| | 64QAM | 3 557.50 | 30.19 | 3 687.50 | 32.25 | 34.35 | 12.00 | 46.35 | 43.17 |
| | 256QAM | 3 557.50 | 30.59 | 3 687.50 | 32.28 | 34.52 | 12.00 | 46.52 | 44.93 |
| 3 | QPSK | 3 557.50 | 30.74 | 3 687.50 | 32.41 | 34.66 | 12.00 | 46.66 | 46.38 |
| | 16QAM | 3 557.50 | 30.57 | 3 687.50 | 32.47 | 34.63 | 12.00 | 46.63 | 46.02 |
| | 64QAM | 3 557.50 | 30.43 | 3 687.50 | 32.53 | 34.61 | 12.00 | 46.61 | 45.86 |
| | 256QAM | 3 557.50 | 30.79 | 3 687.50 | 32.50 | 34.74 | 12.00 | 46.74 | 47.16 |

Note: 1C: 1 Carrier, 2C: 2 Carrier, 3C: 3 Carrier

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|---------------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 557.50 + 3 687.50 | 176.51 | 177.99 | 175.04 | 179.88 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|---------------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 557.50 + 3 687.50 | 46.45 | 46.48 | 46.41 | 46.53 | 47 |

CBRS LTE[(15 MHz 1C + 15 MHz 1C) + 10 MHz 1C][3C(2C+1C)]

| Ant. | Mod | LTE 15 MHz + LTE 15 MHz | | LTE 10 MHz | | Summation Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|------|--------|-------------------------|----------------------|-----------------|----------------------|-----------------------|------------------------|----------------|----------------|
| | | Frequency (MHz) | Measured Value (dBm) | Frequency (MHz) | Measured Value (dBm) | | | | |
| 0 | QPSK | 3 565.00 | 33.05 | 3 695.00 | 28.24 | 34.29 | 12.00 | 46.29 | 42.54 |
| | 16QAM | 3 565.00 | 33.31 | 3 695.00 | 28.30 | 34.50 | 12.00 | 46.50 | 44.69 |
| | 64QAM | 3 565.00 | 33.18 | 3 695.00 | 28.09 | 34.36 | 12.00 | 46.36 | 43.20 |
| | 256QAM | 3 565.00 | 33.16 | 3 695.00 | 28.29 | 34.38 | 12.00 | 46.38 | 43.47 |
| 1 | QPSK | 3 565.00 | 33.16 | 3 695.00 | 28.38 | 34.41 | 12.00 | 46.41 | 43.72 |
| | 16QAM | 3 565.00 | 33.45 | 3 695.00 | 28.45 | 34.64 | 12.00 | 46.64 | 46.17 |
| | 64QAM | 3 565.00 | 33.28 | 3 695.00 | 28.14 | 34.44 | 12.00 | 46.44 | 44.03 |
| | 256QAM | 3 565.00 | 33.29 | 3 695.00 | 28.40 | 34.51 | 12.00 | 46.51 | 44.78 |
| 2 | QPSK | 3 565.00 | 33.11 | 3 695.00 | 28.35 | 34.36 | 12.00 | 46.36 | 43.27 |
| | 16QAM | 3 565.00 | 33.27 | 3 695.00 | 28.24 | 34.46 | 12.00 | 46.46 | 44.24 |
| | 64QAM | 3 565.00 | 33.25 | 3 695.00 | 28.17 | 34.42 | 12.00 | 46.42 | 43.88 |
| | 256QAM | 3 565.00 | 33.26 | 3 695.00 | 28.44 | 34.50 | 12.00 | 46.50 | 44.66 |
| 3 | QPSK | 3 565.00 | 33.35 | 3 695.00 | 28.62 | 34.61 | 12.00 | 46.61 | 45.79 |
| | 16QAM | 3 565.00 | 33.54 | 3 695.00 | 28.58 | 34.74 | 12.00 | 46.74 | 47.26 |
| | 64QAM | 3 565.00 | 33.51 | 3 695.00 | 28.43 | 34.69 | 12.00 | 46.69 | 46.61 |
| | 256QAM | 3 565.00 | 33.41 | 3 695.00 | 28.63 | 34.66 | 12.00 | 46.66 | 46.33 |

Note: 1C: 1 Carrier, 2C: 2 Carrier, 3C: 3 Carrier

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|---------------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 565.00 + 3 695.00 | 175.33 | 182.36 | 177.72 | 179.24 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|---------------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 565.00 + 3 695.00 | 46.42 | 46.59 | 46.48 | 46.51 | 47 |

CBRS LTE[20 MHz 1C + (15 MHz 1C + 15 MHz 1C)][3C(1C+2C)]

| Ant. | Mod | LTE 20 MHz | | LTE 15 MHz + LTE 15 MHz | | Summation Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|------|--------|-----------------|----------------------|-------------------------|----------------------|-----------------------|------------------------|----------------|----------------|
| | | Frequency (MHz) | Measured Value (dBm) | Frequency (MHz) | Measured Value (dBm) | | | | |
| 0 | QPSK | 3 560.00 | 31.27 | 3 685.00 | 32.92 | 35.19 | 12.00 | 47.19 | 52.31 |
| | 16QAM | 3 560.00 | 31.31 | 3 685.00 | 32.93 | 35.20 | 12.00 | 47.20 | 52.50 |
| | 64QAM | 3 560.00 | 31.28 | 3 685.00 | 32.83 | 35.13 | 12.00 | 47.13 | 51.67 |
| | 256QAM | 3 560.00 | 31.42 | 3 685.00 | 32.81 | 35.18 | 12.00 | 47.18 | 52.24 |
| 1 | QPSK | 3 560.00 | 31.57 | 3 685.00 | 33.23 | 35.49 | 12.00 | 47.49 | 56.13 |
| | 16QAM | 3 560.00 | 31.60 | 3 685.00 | 33.22 | 35.50 | 12.00 | 47.50 | 56.18 |
| | 64QAM | 3 560.00 | 31.54 | 3 685.00 | 33.06 | 35.37 | 12.00 | 47.37 | 54.61 |
| | 256QAM | 3 560.00 | 31.75 | 3 685.00 | 33.06 | 35.47 | 12.00 | 47.47 | 55.80 |
| 2 | QPSK | 3 560.00 | 31.52 | 3 685.00 | 33.22 | 35.46 | 12.00 | 47.46 | 55.73 |
| | 16QAM | 3 560.00 | 31.45 | 3 685.00 | 33.04 | 35.32 | 12.00 | 47.32 | 54.00 |
| | 64QAM | 3 560.00 | 31.46 | 3 685.00 | 32.99 | 35.31 | 12.00 | 47.31 | 53.78 |
| | 256QAM | 3 560.00 | 31.70 | 3 685.00 | 33.00 | 35.41 | 12.00 | 47.41 | 55.07 |
| 3 | QPSK | 3 560.00 | 31.66 | 3 685.00 | 33.34 | 35.59 | 12.00 | 47.59 | 57.40 |
| | 16QAM | 3 560.00 | 31.69 | 3 685.00 | 33.23 | 35.54 | 12.00 | 47.54 | 56.74 |
| | 64QAM | 3 560.00 | 31.71 | 3 685.00 | 33.26 | 35.57 | 12.00 | 47.57 | 57.12 |
| | 256QAM | 3 560.00 | 31.95 | 3 685.00 | 33.29 | 35.68 | 12.00 | 47.68 | 58.65 |

Note: 1C: 1 Carrier, 2C: 2 Carrier, 3C: 3 Carrier

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|---------------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 560.00 + 3 685.00 | 221.57 | 219.43 | 217.18 | 221.76 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|---------------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 560.00 + 3 685.00 | 46.47 | 46.42 | 46.38 | 46.47 | 47 |

CBRS LTE[(20 MHz 1C + 15 MHz 1C) + 15 MHz 1C][3C(2C+1C)]

| Ant. | Mod | LTE 20 MHz + LTE 15 MHz | | LTE 15 MHz | | Summation Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|------|--------|-------------------------|----------------------|-----------------|----------------------|-----------------------|------------------------|----------------|----------------|
| | | Frequency (MHz) | Measured Value (dBm) | Frequency (MHz) | Measured Value (dBm) | | | | |
| 0 | QPSK | 3 567.50 | 33.46 | 3 692.50 | 29.86 | 35.03 | 12.00 | 47.03 | 50.49 |
| | 16QAM | 3 567.50 | 33.54 | 3 692.50 | 30.06 | 35.15 | 12.00 | 47.15 | 51.86 |
| | 64QAM | 3 567.50 | 33.53 | 3 692.50 | 29.99 | 35.12 | 12.00 | 47.12 | 51.52 |
| | 256QAM | 3 567.50 | 33.54 | 3 692.50 | 29.85 | 35.09 | 12.00 | 47.09 | 51.12 |
| 1 | QPSK | 3 567.50 | 33.61 | 3 692.50 | 30.10 | 35.21 | 12.00 | 47.21 | 52.59 |
| | 16QAM | 3 567.50 | 33.93 | 3 692.50 | 30.37 | 35.51 | 12.00 | 47.51 | 56.42 |
| | 64QAM | 3 567.50 | 33.78 | 3 692.50 | 30.24 | 35.37 | 12.00 | 47.37 | 54.61 |
| | 256QAM | 3 567.50 | 33.79 | 3 692.50 | 30.19 | 35.36 | 12.00 | 47.36 | 54.48 |
| 2 | QPSK | 3 567.50 | 33.71 | 3 692.50 | 30.22 | 35.32 | 12.00 | 47.32 | 53.96 |
| | 16QAM | 3 567.50 | 33.79 | 3 692.50 | 30.26 | 35.39 | 12.00 | 47.39 | 54.79 |
| | 64QAM | 3 567.50 | 33.74 | 3 692.50 | 30.25 | 35.35 | 12.00 | 47.35 | 54.34 |
| | 256QAM | 3 567.50 | 33.74 | 3 692.50 | 30.19 | 35.33 | 12.00 | 47.33 | 54.10 |
| 3 | QPSK | 3 567.50 | 33.95 | 3 692.50 | 30.45 | 35.56 | 12.00 | 47.56 | 56.95 |
| | 16QAM | 3 567.50 | 33.92 | 3 692.50 | 30.45 | 35.53 | 12.00 | 47.53 | 56.68 |
| | 64QAM | 3 567.50 | 33.86 | 3 692.50 | 30.37 | 35.47 | 12.00 | 47.47 | 55.83 |
| | 256QAM | 3 567.50 | 33.97 | 3 692.50 | 30.37 | 35.55 | 12.00 | 47.55 | 56.82 |

Note: 1C: 1 Carrier, 2C: 2 Carrier, 3C: 3 Carrier

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|---------------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 567.50 + 3 692.50 | 213.99 | 219.74 | 216.31 | 216.52 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|---------------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 567.50 + 3 692.50 | 46.31 | 46.43 | 46.36 | 46.37 | 47 |

CBRS LTE[20 MHz 1C + (20 MHz 1C + 20 MHz 1C)][3C(1C+2C)]

| Ant. | Mod | LTE 20 MHz | | LTE 20 MHz + LTE 20 MHz | | Summation Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|------|--------|-----------------|----------------------|-------------------------|----------------------|-----------------------|------------------------|----------------|----------------|
| | | Frequency (MHz) | Measured Value (dBm) | Frequency (MHz) | Measured Value (dBm) | | | | |
| 0 | QPSK | 3 560.00 | 31.30 | 3 680.00 | 34.12 | 35.95 | 12.00 | 47.95 | 62.30 |
| | 16QAM | 3 560.00 | 31.40 | 3 680.00 | 34.05 | 35.94 | 12.00 | 47.94 | 62.16 |
| | 64QAM | 3 560.00 | 31.35 | 3 680.00 | 33.98 | 35.87 | 12.00 | 47.87 | 61.26 |
| | 256QAM | 3 560.00 | 31.49 | 3 680.00 | 33.81 | 35.81 | 12.00 | 47.81 | 60.45 |
| 1 | QPSK | 3 560.00 | 31.64 | 3 680.00 | 34.41 | 36.25 | 12.00 | 48.25 | 66.90 |
| | 16QAM | 3 560.00 | 31.69 | 3 680.00 | 34.32 | 36.21 | 12.00 | 48.21 | 66.27 |
| | 64QAM | 3 560.00 | 31.62 | 3 680.00 | 34.25 | 36.14 | 12.00 | 48.14 | 65.12 |
| | 256QAM | 3 560.00 | 31.84 | 3 680.00 | 34.08 | 36.11 | 12.00 | 48.11 | 64.77 |
| 2 | QPSK | 3 560.00 | 31.57 | 3 680.00 | 34.34 | 36.18 | 12.00 | 48.18 | 65.81 |
| | 16QAM | 3 560.00 | 31.54 | 3 680.00 | 34.17 | 36.06 | 12.00 | 48.06 | 64.03 |
| | 64QAM | 3 560.00 | 31.55 | 3 680.00 | 34.21 | 36.09 | 12.00 | 48.09 | 64.46 |
| | 256QAM | 3 560.00 | 31.82 | 3 680.00 | 34.06 | 36.10 | 12.00 | 48.10 | 64.51 |
| 3 | QPSK | 3 560.00 | 31.78 | 3 680.00 | 34.59 | 36.42 | 12.00 | 48.42 | 69.44 |
| | 16QAM | 3 560.00 | 31.77 | 3 680.00 | 34.40 | 36.29 | 12.00 | 48.29 | 67.45 |
| | 64QAM | 3 560.00 | 31.74 | 3 680.00 | 34.41 | 36.29 | 12.00 | 48.29 | 67.42 |
| | 256QAM | 3 560.00 | 32.08 | 3 680.00 | 34.34 | 36.36 | 12.00 | 48.36 | 68.63 |

Note: 1C: 1 Carrier, 2C: 2 Carrier, 3C: 3 Carrier

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|---------------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 560.00 + 3 680.00 | 264.45 | 259.91 | 258.26 | 258.36 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|---------------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 560.00 + 3 680.00 | 46.44 | 46.37 | 46.34 | 46.34 | 47 |

CBRS LTE[(20 MHz 1C + 20 MHz 1C) + 20 MHz 1C][3C(2C+1C)]

| Ant. | Mod | LTE 20 MHz + LTE 20 MHz | | LTE 20 MHz | | Summation Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|------|--------|-------------------------|----------------------|-----------------|----------------------|-----------------------|------------------------|----------------|----------------|
| | | Frequency (MHz) | Measured Value (dBm) | Frequency (MHz) | Measured Value (dBm) | | | | |
| 0 | QPSK | 3 570.00 | 33.97 | 3 690.00 | 31.19 | 35.81 | 12.00 | 47.81 | 60.41 |
| | 16QAM | 3 570.00 | 34.25 | 3 690.00 | 31.15 | 35.98 | 12.00 | 47.98 | 62.88 |
| | 64QAM | 3 570.00 | 33.97 | 3 690.00 | 31.20 | 35.81 | 12.00 | 47.81 | 60.44 |
| | 256QAM | 3 570.00 | 34.00 | 3 690.00 | 31.18 | 35.82 | 12.00 | 47.82 | 60.60 |
| 1 | QPSK | 3 570.00 | 34.26 | 3 690.00 | 31.44 | 36.09 | 12.00 | 48.09 | 64.34 |
| | 16QAM | 3 570.00 | 34.21 | 3 690.00 | 31.19 | 35.97 | 12.00 | 47.97 | 62.60 |
| | 64QAM | 3 570.00 | 34.09 | 3 690.00 | 31.20 | 35.89 | 12.00 | 47.89 | 61.55 |
| | 256QAM | 3 570.00 | 34.25 | 3 690.00 | 31.15 | 35.98 | 12.00 | 47.98 | 62.86 |
| 2 | QPSK | 3 570.00 | 34.44 | 3 690.00 | 31.49 | 36.22 | 12.00 | 48.22 | 66.36 |
| | 16QAM | 3 570.00 | 34.34 | 3 690.00 | 31.12 | 36.03 | 12.00 | 48.03 | 63.55 |
| | 64QAM | 3 570.00 | 34.13 | 3 690.00 | 31.28 | 35.94 | 12.00 | 47.94 | 62.26 |
| | 256QAM | 3 570.00 | 34.25 | 3 690.00 | 31.16 | 35.99 | 12.00 | 47.99 | 62.88 |
| 3 | QPSK | 3 570.00 | 34.66 | 3 690.00 | 31.72 | 36.44 | 12.00 | 48.44 | 69.90 |
| | 16QAM | 3 570.00 | 34.55 | 3 690.00 | 31.54 | 36.31 | 12.00 | 48.31 | 67.72 |
| | 64QAM | 3 570.00 | 34.39 | 3 690.00 | 31.53 | 36.20 | 12.00 | 48.20 | 66.05 |
| | 256QAM | 3 570.00 | 34.38 | 3 690.00 | 31.32 | 36.12 | 12.00 | 48.12 | 64.91 |

Note: 1C: 1 Carrier, 2C: 2 Carrier, 3C: 3 Carrier

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|---------------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 570.00 + 3 690.00 | 261.01 | 256.75 | 250.30 | 251.25 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|---------------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 570.00 + 3 690.00 | 46.39 | 46.31 | 46.20 | 46.22 | 47 |

CBRS LTE[20 MHz 1C + (20 MHz 1C + 20 MHz 1C + 20 MHz 1C)][4C(1C+3C)]

| Ant. | Mod | LTE 20 MHz | | LTE 20 MHz + LTE 20 MHz + LTE 20 MHz | | Summation Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|------|--------|--------------------|-------------------------|---|-------------------------|-----------------------------|------------------------------|-------------------|-------------------|
| | | Frequency (MHz) | Measured Value (dBm) | Frequency (MHz) | Measured Value (dBm) | | | | |
| 0 | QPSK | 3 560.00 | 30.89 | 3 670.00 | 35.39 | 36.71 | 13.00 | 49.71 | 93.52 |
| | 16QAM | 3 560.00 | 30.65 | 3 670.00 | 34.95 | 36.33 | 13.00 | 49.33 | 85.62 |
| | 64QAM | 3 560.00 | 30.40 | 3 670.00 | 35.12 | 36.39 | 13.00 | 49.39 | 86.82 |
| | 256QAM | 3 560.00 | 30.60 | 3 670.00 | 34.97 | 36.32 | 13.00 | 49.32 | 85.53 |
| 1 | QPSK | 3 560.00 | 31.10 | 3 670.00 | 35.48 | 36.83 | 13.00 | 49.83 | 96.12 |
| | 16QAM | 3 560.00 | 30.84 | 3 670.00 | 35.18 | 36.54 | 13.00 | 49.54 | 89.93 |
| | 64QAM | 3 560.00 | 30.72 | 3 670.00 | 35.22 | 36.54 | 13.00 | 49.54 | 89.89 |
| | 256QAM | 3 560.00 | 30.81 | 3 670.00 | 35.04 | 36.43 | 13.00 | 49.43 | 87.76 |
| 2 | QPSK | 3 560.00 | 30.89 | 3 670.00 | 35.27 | 36.62 | 13.00 | 49.62 | 91.69 |
| | 16QAM | 3 560.00 | 30.57 | 3 670.00 | 35.00 | 36.34 | 13.00 | 49.34 | 85.86 |
| | 64QAM | 3 560.00 | 30.55 | 3 670.00 | 35.04 | 36.36 | 13.00 | 49.36 | 86.24 |
| | 256QAM | 3 560.00 | 30.62 | 3 670.00 | 34.87 | 36.25 | 13.00 | 49.25 | 84.22 |
| 3 | QPSK | 3 560.00 | 31.15 | 3 670.00 | 35.57 | 36.91 | 13.00 | 49.91 | 97.86 |
| | 16QAM | 3 560.00 | 30.85 | 3 670.00 | 35.26 | 36.60 | 13.00 | 49.60 | 91.16 |
| | 64QAM | 3 560.00 | 30.81 | 3 670.00 | 35.33 | 36.65 | 13.00 | 49.65 | 92.15 |
| | 256QAM | 3 560.00 | 30.88 | 3 670.00 | 35.17 | 36.54 | 13.00 | 49.54 | 90.01 |

Note: 1C: 1 Carrier, 3C: 3 Carrier, 4C: 4 Carrier

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|---------------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 560.00 + 3 670.00 | 379.18 | 352.57 | 355.09 | 347.52 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|---------------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 560.00 + 3 670.00 | 46.76 | 46.44 | 46.47 | 46.38 | 47 |

CBRS LTE[(20 MHz 1C + 20 MHz 1C + 20 MHz 1C) + 20 MHz 1C][4C(3C+1C)]

| Ant. | Mod | LTE 20 MHz + | | LTE 20 MHz | | Summation Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|------|--------|-------------------------|-------------------------|--------------------|-------------------------|-----------------------------|------------------------------|-------------------|-------------------|
| | | LTE 20 MHz + LTE 20 MHz | | LTE 20 MHz | | | | | |
| | | Frequency (MHz) | Measured Value (dBm) | Frequency (MHz) | Measured Value (dBm) | | | | |
| 0 | QPSK | 3 580.00 | 35.13 | 3 690.00 | 30.31 | 36.37 | 13.00 | 49.37 | 86.46 |
| | 16QAM | 3 580.00 | 34.91 | 3 690.00 | 30.30 | 36.20 | 13.00 | 49.20 | 83.25 |
| | 64QAM | 3 580.00 | 34.91 | 3 690.00 | 30.00 | 36.13 | 13.00 | 49.13 | 81.83 |
| | 256QAM | 3 580.00 | 34.93 | 3 690.00 | 30.02 | 36.14 | 13.00 | 49.14 | 82.13 |
| 1 | QPSK | 3 580.00 | 35.30 | 3 690.00 | 30.57 | 36.56 | 13.00 | 49.56 | 90.39 |
| | 16QAM | 3 580.00 | 35.24 | 3 690.00 | 30.61 | 36.52 | 13.00 | 49.52 | 89.60 |
| | 64QAM | 3 580.00 | 35.04 | 3 690.00 | 30.10 | 36.24 | 13.00 | 49.24 | 84.04 |
| | 256QAM | 3 580.00 | 34.99 | 3 690.00 | 30.13 | 36.21 | 13.00 | 49.21 | 83.44 |
| 2 | QPSK | 3 580.00 | 35.07 | 3 690.00 | 30.36 | 36.34 | 13.00 | 49.34 | 85.86 |
| | 16QAM | 3 580.00 | 34.99 | 3 690.00 | 30.17 | 36.22 | 13.00 | 49.22 | 83.66 |
| | 64QAM | 3 580.00 | 34.88 | 3 690.00 | 30.06 | 36.11 | 13.00 | 49.11 | 81.55 |
| | 256QAM | 3 580.00 | 34.89 | 3 690.00 | 30.04 | 36.12 | 13.00 | 49.12 | 81.66 |
| 3 | QPSK | 3 580.00 | 35.27 | 3 690.00 | 30.57 | 36.54 | 13.00 | 49.54 | 89.85 |
| | 16QAM | 3 580.00 | 35.34 | 3 690.00 | 30.62 | 36.60 | 13.00 | 49.60 | 91.20 |
| | 64QAM | 3 580.00 | 35.21 | 3 690.00 | 30.31 | 36.43 | 13.00 | 49.43 | 87.70 |
| | 256QAM | 3 580.00 | 34.97 | 3 690.00 | 30.16 | 36.21 | 13.00 | 49.21 | 83.31 |

Note: 1C: 1 Carrier, 3C: 3 Carrier, 4C: 4 Carrier

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|---------------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 580.00 + 3 690.00 | 352.55 | 347.71 | 335.12 | 330.54 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|---------------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 580.00 + 3 690.00 | 46.44 | 46.38 | 46.22 | 46.16 | 47 |

CBRS LTE[15 MHz 1C + (15 MHz 1C + 15 MHz 1C + 15 MHz 1C + 10 MHz 1C)][5C(1C+4C)]

| Ant. | Mod | LTE 15 MHz | | LTE 15 MHz + LTE 15 MHz + LTE 15 MHz + LTE 10 MHz | | Summation Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|------|--------|-----------------|----------------------|---|----------------------|-----------------------|------------------------|----------------|----------------|
| | | Frequency (MHz) | Measured Value (dBm) | Frequency (MHz) | Measured Value (dBm) | | | | |
| 0 | QPSK | 3 557.50 | 29.71 | 3 672.50 | 34.54 | 35.78 | 13.00 | 48.78 | 75.49 |
| | 16QAM | 3 557.50 | 29.30 | 3 672.50 | 34.56 | 35.69 | 13.00 | 48.69 | 74.03 |
| | 64QAM | 3 557.50 | 29.32 | 3 672.50 | 34.59 | 35.72 | 13.00 | 48.72 | 74.51 |
| | 256QAM | 3 557.50 | 29.44 | 3 672.50 | 34.86 | 35.96 | 13.00 | 48.96 | 78.63 |
| 1 | QPSK | 3 557.50 | 29.92 | 3 672.50 | 34.58 | 35.86 | 13.00 | 48.86 | 76.93 |
| | 16QAM | 3 557.50 | 29.52 | 3 672.50 | 34.71 | 35.86 | 13.00 | 48.86 | 76.88 |
| | 64QAM | 3 557.50 | 29.61 | 3 672.50 | 34.78 | 35.93 | 13.00 | 48.93 | 78.20 |
| | 256QAM | 3 557.50 | 29.67 | 3 672.50 | 34.98 | 36.10 | 13.00 | 49.10 | 81.36 |
| 2 | QPSK | 3 557.50 | 29.83 | 3 672.50 | 34.48 | 35.76 | 13.00 | 48.76 | 75.08 |
| | 16QAM | 3 557.50 | 29.38 | 3 672.50 | 34.76 | 35.86 | 13.00 | 48.86 | 77.00 |
| | 64QAM | 3 557.50 | 29.37 | 3 672.50 | 34.56 | 35.71 | 13.00 | 48.71 | 74.23 |
| | 256QAM | 3 557.50 | 29.53 | 3 672.50 | 34.78 | 35.92 | 13.00 | 48.92 | 77.91 |
| 3 | QPSK | 3 557.50 | 30.04 | 3 672.50 | 34.72 | 35.99 | 13.00 | 48.99 | 79.21 |
| | 16QAM | 3 557.50 | 29.86 | 3 672.50 | 35.24 | 36.35 | 13.00 | 49.35 | 86.08 |
| | 64QAM | 3 557.50 | 29.64 | 3 672.50 | 34.87 | 36.01 | 13.00 | 49.01 | 79.63 |
| | 256QAM | 3 557.50 | 29.74 | 3 672.50 | 35.04 | 36.16 | 13.00 | 49.16 | 82.39 |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|---------------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 557.50 + 3 672.50 | 306.71 | 313.99 | 306.57 | 320.30 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|---------------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 557.50 + 3 672.50 | 46.42 | 46.52 | 46.41 | 46.60 | 47 |

CBRS LTE[(15 MHz 1C + 15 MHz 1C + 15 MHz 1C + 15 MHz 1C) + 10 MHz 1C][5C(4C+1C)]

| Ant. | Mod | LTE 15 MHz + LTE 15 MHz + LTE 15 MHz + LTE 15 MHz | | LTE 10 MHz | | Summation Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|------|--------|--|-------------------------|--------------------|-------------------------|-----------------------------|------------------------------|-------------------|-------------------|
| | | Frequency (MHz) | Measured Value (dBm) | Frequency (MHz) | Measured Value (dBm) | | | | |
| 0 | QPSK | 3 580.00 | 34.94 | 3 695.00 | 27.25 | 35.62 | 13.00 | 48.62 | 72.79 |
| | 16QAM | 3 580.00 | 34.92 | 3 695.00 | 27.40 | 35.63 | 13.00 | 48.63 | 72.91 |
| | 64QAM | 3 580.00 | 35.00 | 3 695.00 | 27.42 | 35.70 | 13.00 | 48.70 | 74.18 |
| | 256QAM | 3 580.00 | 35.02 | 3 695.00 | 27.26 | 35.69 | 13.00 | 48.69 | 73.96 |
| 1 | QPSK | 3 580.00 | 35.05 | 3 695.00 | 27.26 | 35.72 | 13.00 | 48.72 | 74.44 |
| | 16QAM | 3 580.00 | 35.10 | 3 695.00 | 27.49 | 35.79 | 13.00 | 48.79 | 75.70 |
| | 64QAM | 3 580.00 | 35.10 | 3 695.00 | 27.52 | 35.80 | 13.00 | 48.80 | 75.89 |
| | 256QAM | 3 580.00 | 35.19 | 3 695.00 | 27.42 | 35.86 | 13.00 | 48.86 | 76.97 |
| 2 | QPSK | 3 580.00 | 35.08 | 3 695.00 | 27.32 | 35.76 | 13.00 | 48.76 | 75.08 |
| | 16QAM | 3 580.00 | 35.07 | 3 695.00 | 27.48 | 35.77 | 13.00 | 48.77 | 75.28 |
| | 64QAM | 3 580.00 | 35.00 | 3 695.00 | 27.48 | 35.71 | 13.00 | 48.71 | 74.32 |
| | 256QAM | 3 580.00 | 35.07 | 3 695.00 | 27.37 | 35.75 | 13.00 | 48.75 | 74.95 |
| 3 | QPSK | 3 580.00 | 35.14 | 3 695.00 | 27.52 | 35.84 | 13.00 | 48.84 | 76.51 |
| | 16QAM | 3 580.00 | 35.26 | 3 695.00 | 27.68 | 35.96 | 13.00 | 48.96 | 78.76 |
| | 64QAM | 3 580.00 | 35.29 | 3 695.00 | 27.79 | 36.00 | 13.00 | 49.00 | 79.40 |
| | 256QAM | 3 580.00 | 35.26 | 3 695.00 | 27.59 | 35.95 | 13.00 | 48.95 | 78.47 |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|---------------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 580.00 + 3 695.00 | 298.82 | 302.66 | 303.79 | 304.35 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|---------------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 580.00 + 3 695.00 | 46.30 | 46.36 | 46.37 | 46.38 | 47 |

CBRS LTE[20 MHz 1C + (20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 10 MHz 1C)][5C(1C+4C)]

| Ant. | Mod | LTE 20 MHz | | LTE 20 MHz + LTE 20 MHz + LTE 20 MHz + LTE 10 MHz | | Summation Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|------|--------|-----------------|----------------------|---|----------------------|-----------------------|------------------------|----------------|----------------|
| | | Frequency (MHz) | Measured Value (dBm) | Frequency (MHz) | Measured Value (dBm) | | | | |
| 0 | QPSK | 3 560.00 | 29.92 | 3 665.00 | 35.22 | 36.34 | 13.00 | 49.34 | 85.90 |
| | 16QAM | 3 560.00 | 30.07 | 3 665.00 | 34.93 | 36.16 | 13.00 | 49.16 | 82.36 |
| | 64QAM | 3 560.00 | 29.95 | 3 665.00 | 35.19 | 36.33 | 13.00 | 49.33 | 85.66 |
| | 256QAM | 3 560.00 | 30.04 | 3 665.00 | 35.11 | 36.28 | 13.00 | 49.28 | 84.78 |
| 1 | QPSK | 3 560.00 | 30.21 | 3 665.00 | 35.26 | 36.45 | 13.00 | 49.45 | 88.00 |
| | 16QAM | 3 560.00 | 30.30 | 3 665.00 | 35.20 | 36.42 | 13.00 | 49.42 | 87.48 |
| | 64QAM | 3 560.00 | 30.19 | 3 665.00 | 35.23 | 36.41 | 13.00 | 49.41 | 87.40 |
| | 256QAM | 3 560.00 | 30.36 | 3 665.00 | 35.10 | 36.36 | 13.00 | 49.36 | 86.30 |
| 2 | QPSK | 3 560.00 | 30.10 | 3 665.00 | 35.14 | 36.32 | 13.00 | 49.32 | 85.55 |
| | 16QAM | 3 560.00 | 30.06 | 3 665.00 | 35.02 | 36.22 | 13.00 | 49.22 | 83.58 |
| | 64QAM | 3 560.00 | 30.02 | 3 665.00 | 35.07 | 36.25 | 13.00 | 49.25 | 84.14 |
| | 256QAM | 3 560.00 | 30.28 | 3 665.00 | 35.14 | 36.36 | 13.00 | 49.36 | 86.40 |
| 3 | QPSK | 3 560.00 | 30.33 | 3 665.00 | 35.39 | 36.57 | 13.00 | 49.57 | 90.51 |
| | 16QAM | 3 560.00 | 30.34 | 3 665.00 | 35.25 | 36.46 | 13.00 | 49.46 | 88.39 |
| | 64QAM | 3 560.00 | 30.28 | 3 665.00 | 35.35 | 36.53 | 13.00 | 49.53 | 89.66 |
| | 256QAM | 3 560.00 | 30.54 | 3 665.00 | 35.33 | 36.58 | 13.00 | 49.58 | 90.70 |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|---------------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 560.00 + 3 665.00 | 349.96 | 341.80 | 346.86 | 348.17 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|---------------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 560.00 + 3 665.00 | 45.90 | 45.80 | 45.86 | 45.88 | 47 |

CBRS LTE[(20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C) + 10 MHz 1C][5C(4C+1C)]

| Ant. | Mod | LTE 20 MHz + LTE 20 MHz + LTE 20 MHz + LTE 20 MHz | | LTE 10 MHz | | Summation Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|------|--------|--|-------------------------|--------------------|-------------------------|-----------------------------|------------------------------|-------------------|-------------------|
| | | Frequency (MHz) | Measured Value (dBm) | Frequency (MHz) | Measured Value (dBm) | | | | |
| 0 | QPSK | 3 590.00 | 35.61 | 3 695.00 | 26.62 | 36.12 | 13.00 | 49.12 | 81.73 |
| | 16QAM | 3 590.00 | 35.56 | 3 695.00 | 26.85 | 36.11 | 13.00 | 49.11 | 81.45 |
| | 64QAM | 3 590.00 | 35.76 | 3 695.00 | 26.90 | 36.29 | 13.00 | 49.29 | 84.92 |
| | 256QAM | 3 590.00 | 35.57 | 3 695.00 | 26.75 | 36.11 | 13.00 | 49.11 | 81.41 |
| 1 | QPSK | 3 590.00 | 35.69 | 3 695.00 | 26.86 | 36.23 | 13.00 | 49.23 | 83.68 |
| | 16QAM | 3 590.00 | 35.82 | 3 695.00 | 26.94 | 36.35 | 13.00 | 49.35 | 86.00 |
| | 64QAM | 3 590.00 | 35.83 | 3 695.00 | 27.03 | 36.37 | 13.00 | 49.37 | 86.52 |
| | 256QAM | 3 590.00 | 35.71 | 3 695.00 | 26.93 | 36.25 | 13.00 | 49.25 | 84.22 |
| 2 | QPSK | 3 590.00 | 35.61 | 3 695.00 | 26.72 | 36.14 | 13.00 | 49.14 | 82.00 |
| | 16QAM | 3 590.00 | 35.63 | 3 695.00 | 26.77 | 36.16 | 13.00 | 49.16 | 82.39 |
| | 64QAM | 3 590.00 | 35.70 | 3 695.00 | 26.98 | 36.25 | 13.00 | 49.25 | 84.08 |
| | 256QAM | 3 590.00 | 35.49 | 3 695.00 | 26.79 | 36.04 | 13.00 | 49.04 | 80.22 |
| 3 | QPSK | 3 590.00 | 35.86 | 3 695.00 | 26.97 | 36.39 | 13.00 | 49.39 | 86.92 |
| | 16QAM | 3 590.00 | 35.97 | 3 695.00 | 27.23 | 36.52 | 13.00 | 49.52 | 89.45 |
| | 64QAM | 3 590.00 | 35.98 | 3 695.00 | 27.27 | 36.53 | 13.00 | 49.53 | 89.72 |
| | 256QAM | 3 590.00 | 35.80 | 3 695.00 | 27.12 | 36.35 | 13.00 | 49.35 | 86.16 |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|---------------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 590.00 + 3 695.00 | 334.32 | 339.30 | 345.24 | 332.01 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|---------------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 590.00 + 3 695.00 | 45.70 | 45.76 | 45.84 | 45.67 | 47 |

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 + LTE 20 MHz + LTE 20 MHz + LTE 20 MHz | | Summation Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|------|--------|--------------------|-------------------------|--|-------------------------|-----------------------------|------------------------------|-------------------|-------------------|
| | | Frequency (MHz) | Measured Value (dBm) | Frequency (MHz) | Measured Value (dBm) | | | | |
| 0 | QPSK | 3 560.00 | 29.42 | 3 660.00 | 35.21 | 36.22 | 13.00 | 49.22 | 83.64 |
| | 16QAM | 3 560.00 | 29.35 | 3 660.00 | 35.19 | 36.20 | 13.00 | 49.20 | 83.10 |
| | 64QAM | 3 560.00 | 29.04 | 3 660.00 | 35.15 | 36.10 | 13.00 | 49.10 | 81.34 |
| | 256QAM | 3 560.00 | 29.23 | 3 660.00 | 35.18 | 36.17 | 13.00 | 49.17 | 82.53 |
| 1 | QPSK | 3 560.00 | 29.61 | 3 660.00 | 35.14 | 36.21 | 13.00 | 49.21 | 83.43 |
| | 16QAM | 3 560.00 | 29.50 | 3 660.00 | 34.93 | 36.02 | 13.00 | 49.02 | 79.80 |
| | 64QAM | 3 560.00 | 29.19 | 3 660.00 | 35.17 | 36.15 | 13.00 | 49.15 | 82.24 |
| | 256QAM | 3 560.00 | 29.39 | 3 660.00 | 35.16 | 36.18 | 13.00 | 49.18 | 82.76 |
| 2 | QPSK | 3 560.00 | 29.40 | 3 660.00 | 35.10 | 36.14 | 13.00 | 49.14 | 81.94 |
| | 16QAM | 3 560.00 | 29.16 | 3 660.00 | 35.12 | 36.10 | 13.00 | 49.10 | 81.34 |
| | 64QAM | 3 560.00 | 29.07 | 3 660.00 | 35.13 | 36.09 | 13.00 | 49.09 | 81.15 |
| | 256QAM | 3 560.00 | 29.33 | 3 660.00 | 35.17 | 36.18 | 13.00 | 49.18 | 82.72 |
| 3 | QPSK | 3 560.00 | 29.50 | 3 660.00 | 35.01 | 36.09 | 13.00 | 49.09 | 81.08 |
| | 16QAM | 3 560.00 | 29.31 | 3 660.00 | 35.19 | 36.19 | 13.00 | 49.19 | 82.93 |
| | 64QAM | 3 560.00 | 29.27 | 3 660.00 | 35.17 | 36.16 | 13.00 | 49.16 | 82.45 |
| | 256QAM | 3 560.00 | 29.48 | 3 660.00 | 35.18 | 36.21 | 13.00 | 49.21 | 83.41 |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|---------------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 560.00 + 3 660.00 | 330.08 | 327.17 | 327.19 | 331.41 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|---------------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 560.00 + 3 660.00 | 45.19 | 45.15 | 45.15 | 45.20 | 47 |

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 + LTE 20 MHz + LTE 20 MHz + LTE 20 MHz | | LTE 20 MHz | | Summation Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|------|--------|--|-------------------------|--------------------|-------------------------|-----------------------------|------------------------------|-------------------|-------------------|
| | | Frequency (MHz) | Measured Value (dBm) | Frequency (MHz) | Measured Value (dBm) | | | | |
| 0 | QPSK | 3 590.00 | 35.22 | 3 690.00 | 29.24 | 36.19 | 13.00 | 49.19 | 83.06 |
| | 16QAM | 3 590.00 | 35.08 | 3 690.00 | 29.33 | 36.11 | 13.00 | 49.11 | 81.41 |
| | 64QAM | 3 590.00 | 35.20 | 3 690.00 | 29.17 | 36.17 | 13.00 | 49.17 | 82.58 |
| | 256QAM | 3 590.00 | 35.03 | 3 690.00 | 29.19 | 36.04 | 13.00 | 49.04 | 80.13 |
| 1 | QPSK | 3 590.00 | 35.34 | 3 690.00 | 29.37 | 36.32 | 13.00 | 49.32 | 85.55 |
| | 16QAM | 3 590.00 | 35.28 | 3 690.00 | 29.39 | 36.27 | 13.00 | 49.27 | 84.57 |
| | 64QAM | 3 590.00 | 35.27 | 3 690.00 | 29.29 | 36.25 | 13.00 | 49.25 | 84.10 |
| | 256QAM | 3 590.00 | 35.06 | 3 690.00 | 29.33 | 36.09 | 13.00 | 49.09 | 81.04 |
| 2 | QPSK | 3 590.00 | 35.21 | 3 690.00 | 29.27 | 36.20 | 13.00 | 49.20 | 83.10 |
| | 16QAM | 3 590.00 | 35.14 | 3 690.00 | 29.19 | 36.12 | 13.00 | 49.12 | 81.71 |
| | 64QAM | 3 590.00 | 35.12 | 3 690.00 | 29.17 | 36.10 | 13.00 | 49.10 | 81.30 |
| | 256QAM | 3 590.00 | 35.10 | 3 690.00 | 29.19 | 36.09 | 13.00 | 49.09 | 81.15 |
| 3 | QPSK | 3 590.00 | 35.25 | 3 690.00 | 29.33 | 36.24 | 13.00 | 49.24 | 83.98 |
| | 16QAM | 3 590.00 | 35.32 | 3 690.00 | 29.33 | 36.30 | 13.00 | 49.30 | 85.07 |
| | 64QAM | 3 590.00 | 35.29 | 3 690.00 | 29.34 | 36.28 | 13.00 | 49.28 | 84.63 |
| | 256QAM | 3 590.00 | 35.12 | 3 690.00 | 29.42 | 36.16 | 13.00 | 49.16 | 82.38 |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|---------------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 590.00 + 3 690.00 | 335.69 | 332.77 | 332.61 | 324.70 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|---------------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 590.00 + 3 690.00 | 45.26 | 45.22 | 45.22 | 45.11 | 47 |

CBRS NR 40 MHz 1C + (NR 20 MHz 1C + NR 20 MHz 1C + LTE 10 MHz 1C + LTE 10 MHz 1C)[5C(1C+4C)]

| Ant. | Mod | NR 40 MHz | | NR 20 MHz + NR 20 MHz + LTE 10 MHz + LTE 10 MHz | | Summation Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|------|--------|-----------------|----------------------|---|----------------------|-----------------------|------------------------|----------------|----------------|
| | | Frequency (MHz) | Measured Value (dBm) | Frequency (MHz) | Measured Value (dBm) | | | | |
| 0 | QPSK | 3 570.00 | 32.44 | 3 670.00 | 34.08 | 36.35 | 13.00 | 49.35 | 86.10 |
| | 16QAM | 3 570.00 | 32.20 | 3 670.00 | 33.70 | 36.03 | 13.00 | 49.03 | 79.95 |
| | 64QAM | 3 570.00 | 32.27 | 3 670.00 | 34.10 | 36.29 | 13.00 | 49.29 | 84.98 |
| | 256QAM | 3 570.00 | 32.26 | 3 670.00 | 33.96 | 36.20 | 13.00 | 49.20 | 83.21 |
| 1 | QPSK | 3 570.00 | 32.38 | 3 670.00 | 33.97 | 36.26 | 13.00 | 49.26 | 84.29 |
| | 16QAM | 3 570.00 | 32.40 | 3 670.00 | 33.91 | 36.23 | 13.00 | 49.23 | 83.75 |
| | 64QAM | 3 570.00 | 32.37 | 3 670.00 | 34.09 | 36.32 | 13.00 | 49.32 | 85.57 |
| | 256QAM | 3 570.00 | 32.36 | 3 670.00 | 34.00 | 36.27 | 13.00 | 49.27 | 84.57 |
| 2 | QPSK | 3 570.00 | 32.34 | 3 670.00 | 33.91 | 36.21 | 13.00 | 49.21 | 83.27 |
| | 16QAM | 3 570.00 | 32.35 | 3 670.00 | 33.89 | 36.20 | 13.00 | 49.20 | 83.14 |
| | 64QAM | 3 570.00 | 32.23 | 3 670.00 | 33.93 | 36.17 | 13.00 | 49.17 | 82.62 |
| | 256QAM | 3 570.00 | 32.20 | 3 670.00 | 33.82 | 36.10 | 13.00 | 49.10 | 81.21 |
| 3 | QPSK | 3 570.00 | 32.64 | 3 670.00 | 34.26 | 36.53 | 13.00 | 49.53 | 89.80 |
| | 16QAM | 3 570.00 | 32.73 | 3 670.00 | 34.29 | 36.59 | 13.00 | 49.59 | 91.01 |
| | 64QAM | 3 570.00 | 32.51 | 3 670.00 | 34.23 | 36.46 | 13.00 | 49.46 | 88.35 |
| | 256QAM | 3 570.00 | 32.42 | 3 670.00 | 34.06 | 36.33 | 13.00 | 49.33 | 85.66 |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|---------------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 570.00 + 3 670.00 | 343.47 | 337.85 | 341.51 | 334.65 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|---------------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 570.00 + 3 670.00 | 45.36 | 45.29 | 45.33 | 45.25 | 47 |

CBRS (NR 40 MHz 1C + NR 20 MHz 1C + NR 20 MHz 1C + LTE 10 MHz 1C) + LTE 10 MHz 1C [5C(4C+1C)]

| Ant. | Mod | NR 40 MHz + NR 20 MHz + NR 20 MHz + LTE 10 MHz | | LTE 10 MHz | | Summation Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|------|--------|--|----------------------|-----------------|----------------------|-----------------------|------------------------|----------------|----------------|
| | | Frequency (MHz) | Measured Value (dBm) | Frequency (MHz) | Measured Value (dBm) | | | | |
| 0 | QPSK | 3 595.00 | 35.90 | 3 695.00 | 26.92 | 36.42 | 13.00 | 49.42 | 87.52 |
| | 16QAM | 3 595.00 | 35.78 | 3 695.00 | 26.99 | 36.32 | 13.00 | 49.32 | 85.47 |
| | 64QAM | 3 595.00 | 35.67 | 3 695.00 | 26.24 | 36.14 | 13.00 | 49.14 | 81.98 |
| | 256QAM | 3 595.00 | 35.55 | 3 695.00 | 26.37 | 36.04 | 13.00 | 49.04 | 80.22 |
| 1 | QPSK | 3 595.00 | 35.99 | 3 695.00 | 27.04 | 36.51 | 13.00 | 49.51 | 89.35 |
| | 16QAM | 3 595.00 | 35.88 | 3 695.00 | 27.00 | 36.41 | 13.00 | 49.41 | 87.30 |
| | 64QAM | 3 595.00 | 35.59 | 3 695.00 | 26.08 | 36.05 | 13.00 | 49.05 | 80.35 |
| | 256QAM | 3 595.00 | 35.64 | 3 695.00 | 26.45 | 36.13 | 13.00 | 49.13 | 81.85 |
| 2 | QPSK | 3 595.00 | 35.61 | 3 695.00 | 26.82 | 36.15 | 13.00 | 49.15 | 82.26 |
| | 16QAM | 3 595.00 | 35.66 | 3 695.00 | 26.99 | 36.21 | 13.00 | 49.21 | 83.35 |
| | 64QAM | 3 595.00 | 35.63 | 3 695.00 | 26.01 | 36.08 | 13.00 | 49.08 | 80.91 |
| | 256QAM | 3 595.00 | 35.44 | 3 695.00 | 26.35 | 35.95 | 13.00 | 48.95 | 78.51 |
| 3 | QPSK | 3 595.00 | 35.92 | 3 695.00 | 27.07 | 36.45 | 13.00 | 49.45 | 88.08 |
| | 16QAM | 3 595.00 | 36.28 | 3 695.00 | 27.53 | 36.82 | 13.00 | 49.82 | 96.01 |
| | 64QAM | 3 595.00 | 35.63 | 3 695.00 | 26.22 | 36.10 | 13.00 | 49.10 | 81.28 |
| | 256QAM | 3 595.00 | 35.84 | 3 695.00 | 26.84 | 36.36 | 13.00 | 49.36 | 86.26 |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|---------------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 595.00 + 3 695.00 | 347.22 | 352.12 | 324.52 | 326.83 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|---------------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 595.00 + 3 695.00 | 45.41 | 45.47 | 45.11 | 45.14 | 47 |

CBRS NR 40 MHz 1C + (NR 10 MHz 1C + LTE 20 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C)[5C(1C+4C)]

| Ant. | Mod | NR 30 MHz | | NR 30 MHz + NR 10 MHz | | Summation Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|------|--------|-----------------|----------------------|-----------------------|----------------------|-----------------------|------------------------|----------------|----------------|
| | | Frequency (MHz) | Measured Value (dBm) | Frequency (MHz) | Measured Value (dBm) | | | | |
| 0 | QPSK | 3 570.00 | 33.29 | 3 680.00 | 33.29 | 36.30 | 13.00 | 49.30 | 85.17 |
| | 16QAM | 3 570.00 | 33.49 | 3 680.00 | 33.13 | 36.32 | 13.00 | 49.32 | 85.59 |
| | 64QAM | 3 570.00 | 33.39 | 3 680.00 | 33.53 | 36.47 | 13.00 | 49.47 | 88.43 |
| | 256QAM | 3 570.00 | 33.26 | 3 680.00 | 33.36 | 36.32 | 13.00 | 49.32 | 85.49 |
| 1 | QPSK | 3 570.00 | 33.35 | 3 680.00 | 33.33 | 36.35 | 13.00 | 49.35 | 86.08 |
| | 16QAM | 3 570.00 | 33.66 | 3 680.00 | 33.33 | 36.51 | 13.00 | 49.51 | 89.29 |
| | 64QAM | 3 570.00 | 33.54 | 3 680.00 | 33.64 | 36.60 | 13.00 | 49.60 | 91.26 |
| | 256QAM | 3 570.00 | 33.39 | 3 680.00 | 33.45 | 36.43 | 13.00 | 49.43 | 87.72 |
| 2 | QPSK | 3 570.00 | 33.32 | 3 680.00 | 33.29 | 36.32 | 13.00 | 49.32 | 85.41 |
| | 16QAM | 3 570.00 | 33.33 | 3 680.00 | 33.00 | 36.18 | 13.00 | 49.18 | 82.72 |
| | 64QAM | 3 570.00 | 33.35 | 3 680.00 | 33.41 | 36.39 | 13.00 | 49.39 | 86.98 |
| | 256QAM | 3 570.00 | 33.23 | 3 680.00 | 33.25 | 36.25 | 13.00 | 49.25 | 84.16 |
| 3 | QPSK | 3 570.00 | 33.59 | 3 680.00 | 33.59 | 36.60 | 13.00 | 49.60 | 91.24 |
| | 16QAM | 3 570.00 | 33.79 | 3 680.00 | 33.44 | 36.63 | 13.00 | 49.63 | 91.88 |
| | 64QAM | 3 570.00 | 33.55 | 3 680.00 | 33.64 | 36.60 | 13.00 | 49.60 | 91.29 |
| | 256QAM | 3 570.00 | 33.45 | 3 680.00 | 33.50 | 36.49 | 13.00 | 49.49 | 88.84 |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|---------------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 570.00 + 3 680.00 | 347.90 | 349.47 | 357.96 | 346.20 |

| Frequency (MHz) | E.I.R.P. | | | | Limit |
|---------------------|--------------|-------|-------|--------|---------------------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 570.00 + 3 680.00 | 45.41 | 45.43 | 45.54 | 45.39 | 3 570.00 + 3 680.00 |

CBRS (NR 40 MHz 1C + NR 10 MHz 1C + LTE 20 MHz 1C + LTE 5 MHz 1C) + LTE 5 MHz 1C[5C(4C+1C)]

| Ant. | Mod | NR 30 MHz | | NR 30 MHz + NR 10 MHz | | Summation Value (dBm) | Directional Gain (dBi) | E.I.R.P. (dBm) | Calculated (W) |
|------|--------|-----------------|----------------------|-----------------------|----------------------|-----------------------|------------------------|----------------|----------------|
| | | Frequency (MHz) | Measured Value (dBm) | Frequency (MHz) | Measured Value (dBm) | | | | |
| 0 | QPSK | 3 587.50 | 36.03 | 3 697.50 | 24.72 | 36.34 | 13.00 | 49.34 | 85.86 |
| | 16QAM | 3 587.50 | 36.00 | 3 697.50 | 24.18 | 36.28 | 13.00 | 49.28 | 84.70 |
| | 64QAM | 3 587.50 | 36.08 | 3 697.50 | 24.52 | 36.38 | 13.00 | 49.38 | 86.64 |
| | 256QAM | 3 587.50 | 36.08 | 3 697.50 | 24.97 | 36.41 | 13.00 | 49.41 | 87.22 |
| 1 | QPSK | 3 587.50 | 36.11 | 3 697.50 | 24.83 | 36.42 | 13.00 | 49.42 | 87.56 |
| | 16QAM | 3 587.50 | 36.18 | 3 697.50 | 24.32 | 36.46 | 13.00 | 49.46 | 88.25 |
| | 64QAM | 3 587.50 | 36.12 | 3 697.50 | 24.60 | 36.41 | 13.00 | 49.41 | 87.38 |
| | 256QAM | 3 587.50 | 36.16 | 3 697.50 | 25.05 | 36.48 | 13.00 | 49.48 | 88.76 |
| 2 | QPSK | 3 587.50 | 35.93 | 3 697.50 | 24.76 | 36.25 | 13.00 | 49.25 | 84.22 |
| | 16QAM | 3 587.50 | 35.98 | 3 697.50 | 24.22 | 36.26 | 13.00 | 49.26 | 84.29 |
| | 64QAM | 3 587.50 | 35.96 | 3 697.50 | 24.52 | 36.26 | 13.00 | 49.26 | 84.37 |
| | 256QAM | 3 587.50 | 35.93 | 3 697.50 | 24.89 | 36.26 | 13.00 | 49.26 | 84.29 |
| 3 | QPSK | 3 587.50 | 36.23 | 3 697.50 | 25.11 | 36.55 | 13.00 | 49.55 | 90.26 |
| | 16QAM | 3 587.50 | 36.19 | 3 697.50 | 24.47 | 36.47 | 13.00 | 49.47 | 88.61 |
| | 64QAM | 3 587.50 | 36.22 | 3 697.50 | 24.83 | 36.52 | 13.00 | 49.52 | 89.62 |
| | 256QAM | 3 587.50 | 36.17 | 3 697.50 | 25.19 | 36.51 | 13.00 | 49.51 | 89.25 |

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

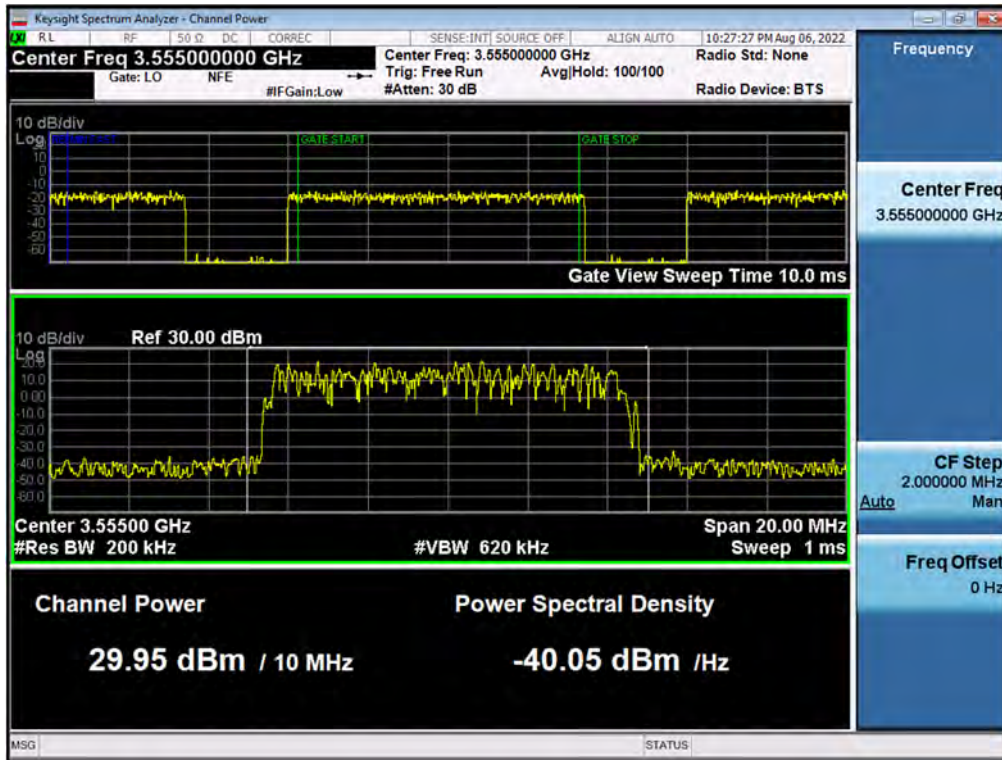
Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | Total E.I.R.P. | | | |
|---------------------|----------------|--------|--------|--------|
| | QPSK | 16QAM | 64QAM | 256QAM |
| | (W) | | | |
| 3 587.50 + 3 697.50 | 347.90 | 345.86 | 348.01 | 349.52 |

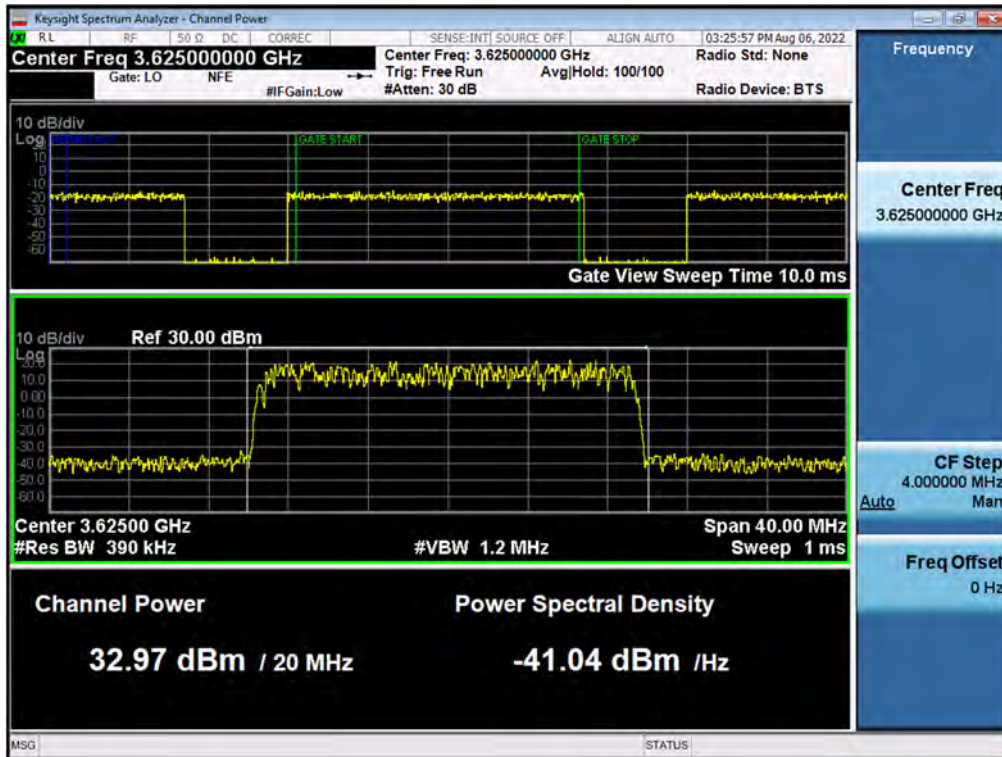
| Frequency (MHz) | E.I.R.P. | | | | Limit |
|---------------------|--------------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/10 MHz) | | | | |
| 3 587.50 + 3 697.50 | 45.41 | 45.39 | 45.42 | 45.43 | 47 |

Plot Data of RF Output Power

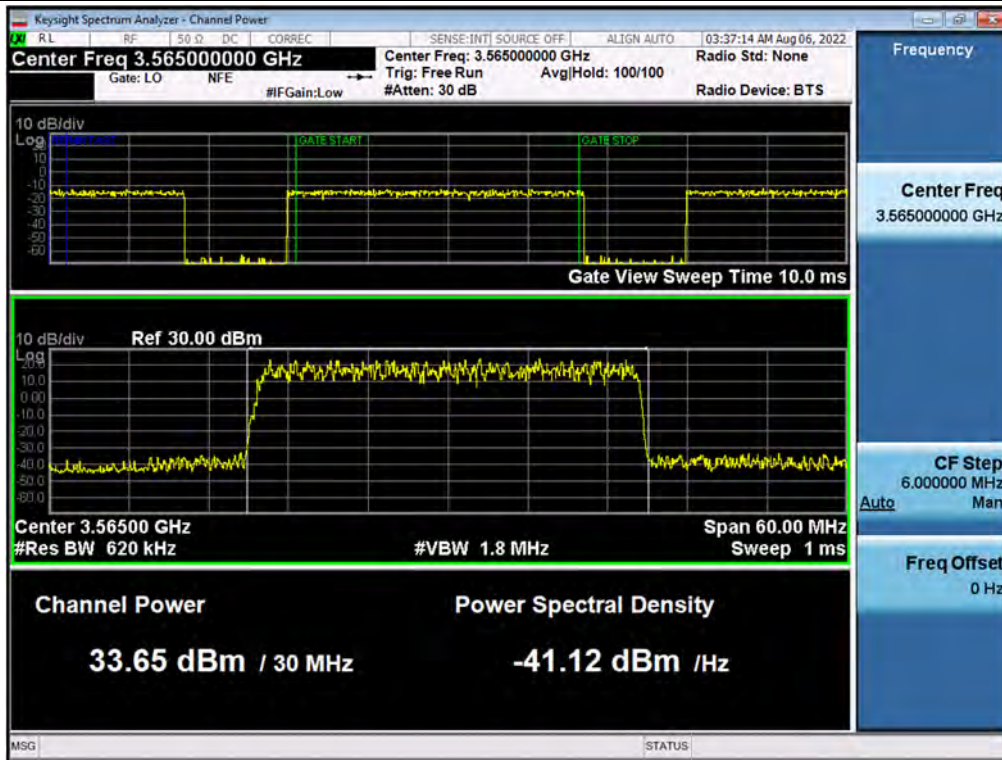
Antenna 2 / CBRS NR 10 MHz 1 Carrier / 16QAM / Low



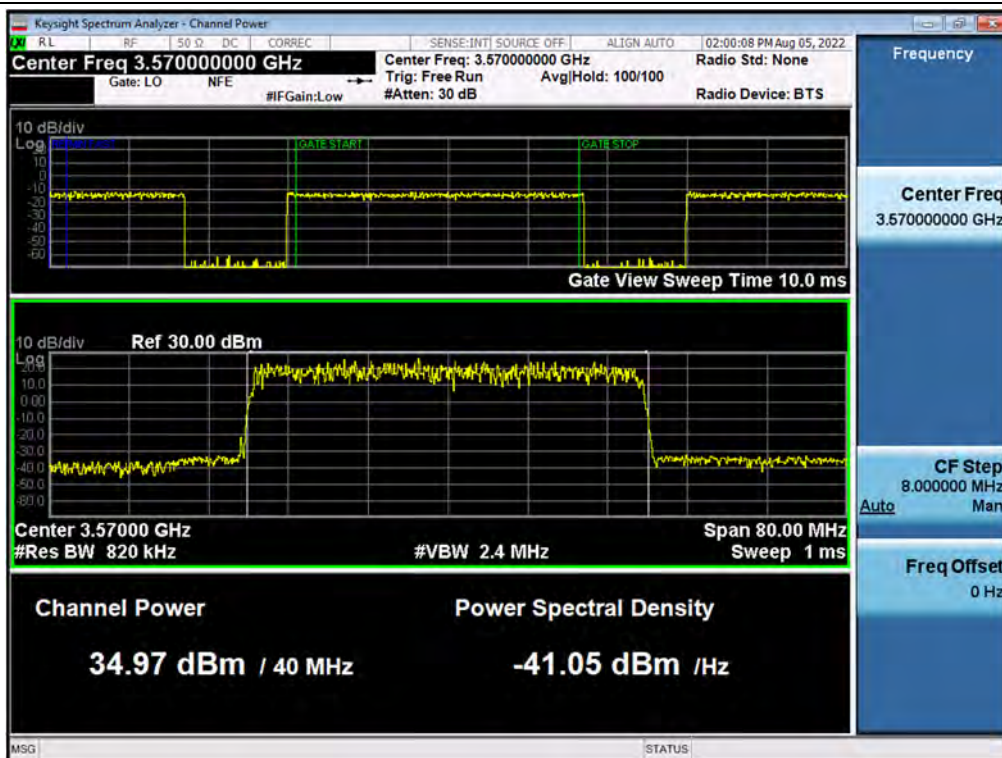
Antenna 1 / CBRS NR 20 MHz 1 Carrier / 16QAM / Middle



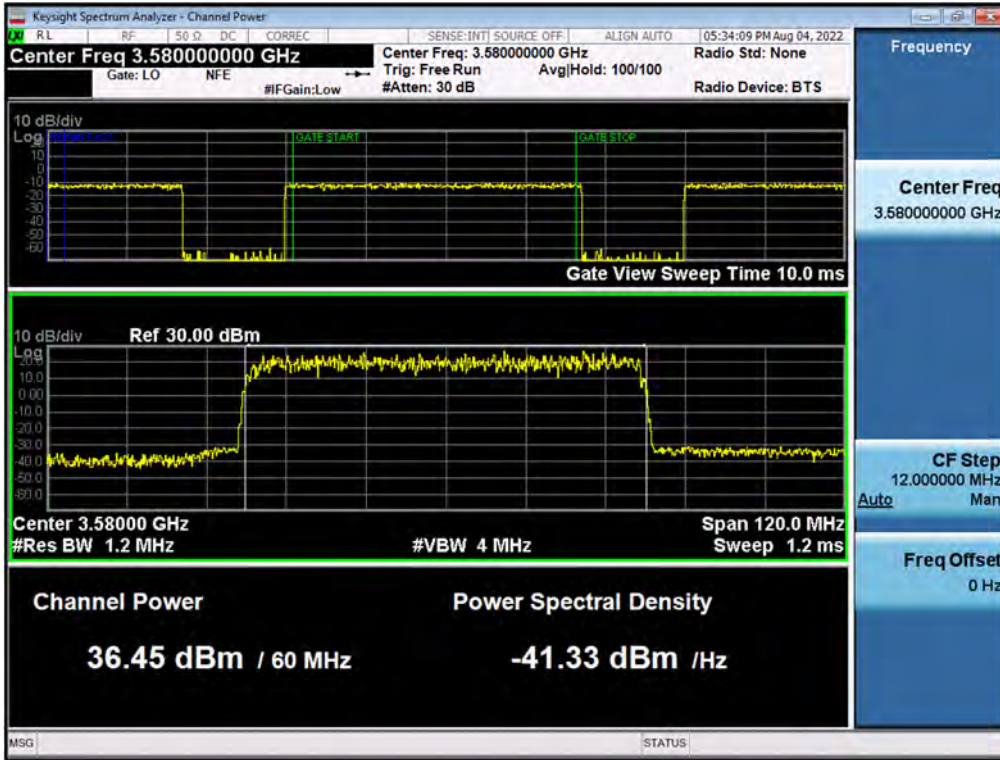
Antenna 2 / CBRS NR 30 MHz 1 Carrier / 256QAM / Low



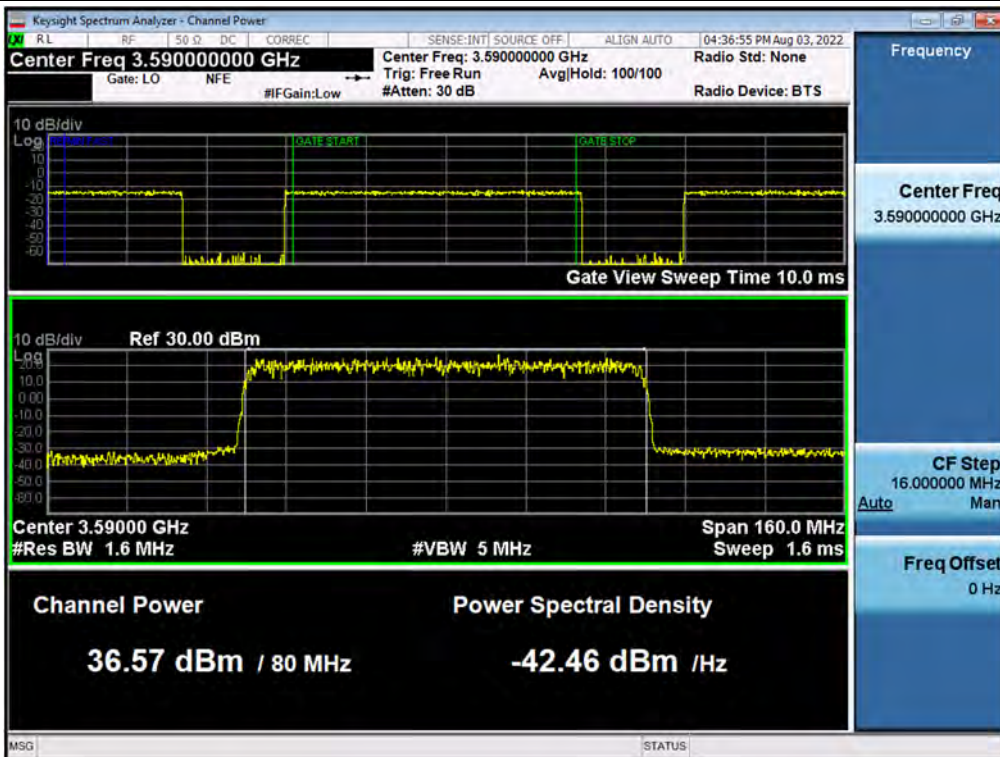
Antenna 3 / CBRS NR 40 MHz 1 Carrier / 16QAM / Low



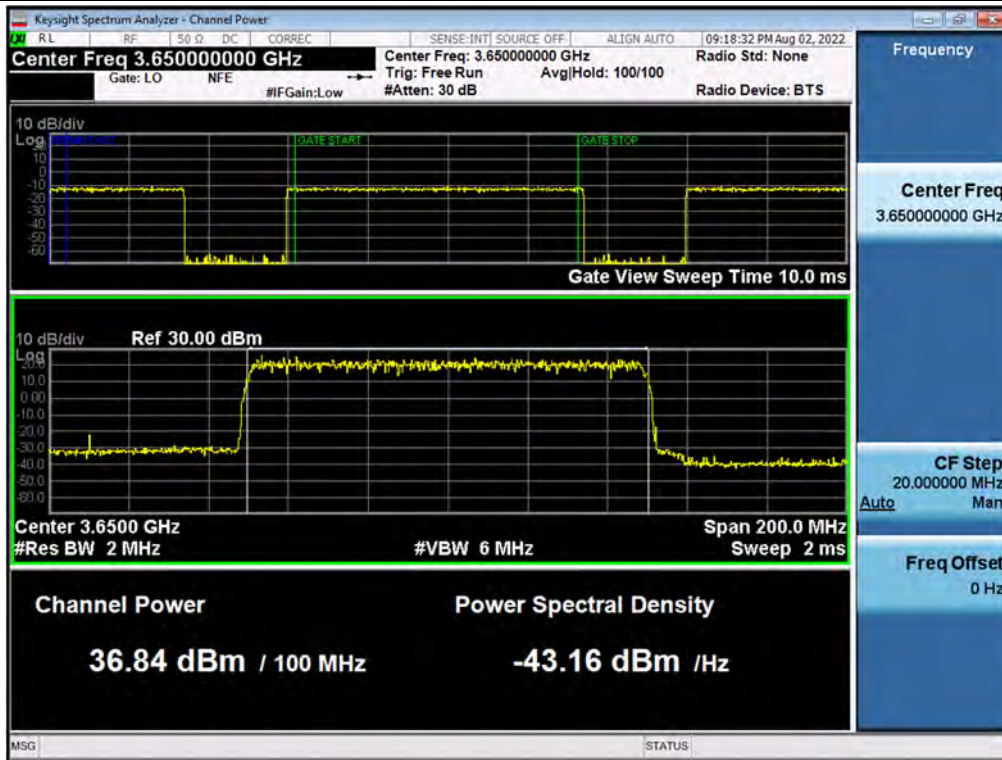
Antenna 2 / CBRS NR 60 MHz 1 Carrier / 64QAM / Low



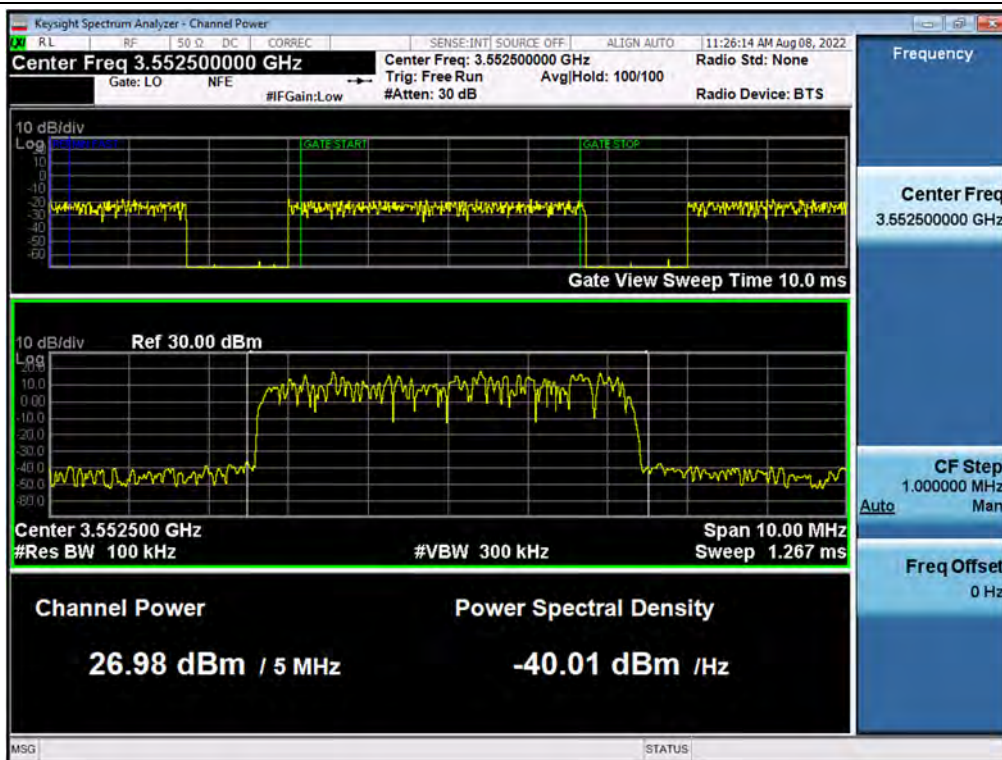
Antenna 1 / CBRS NR 80 MHz 1 Carrier / 256QAM / Low



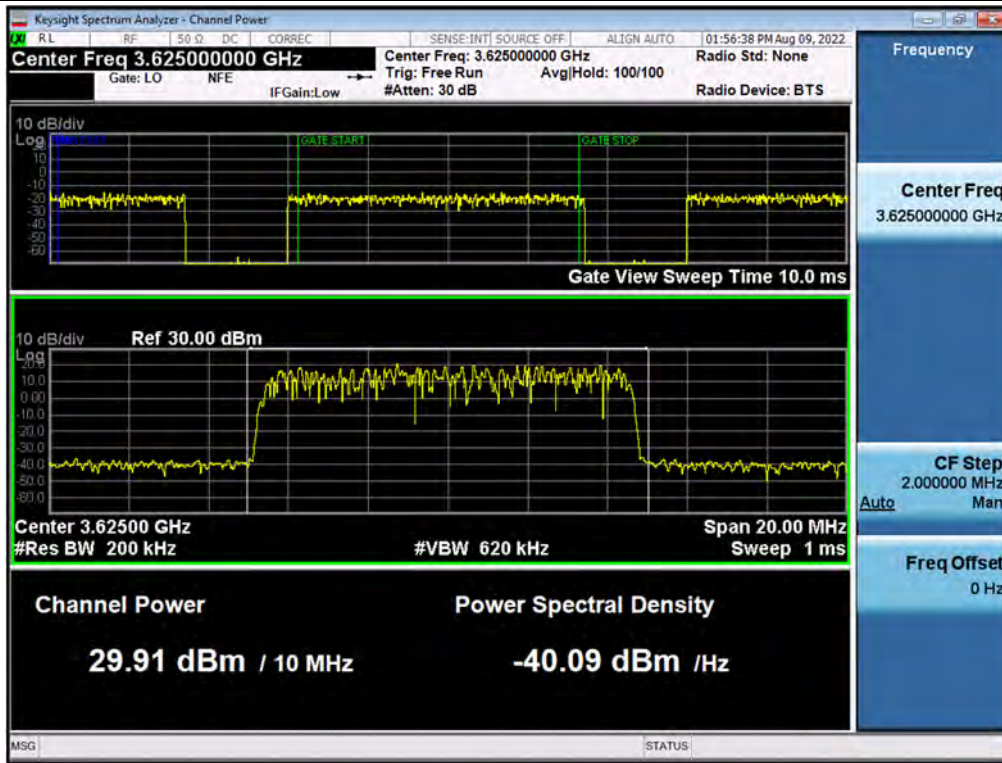
Antenna 2 / CBRS NR 100 MHz 1 Carrier / 64QAM / High



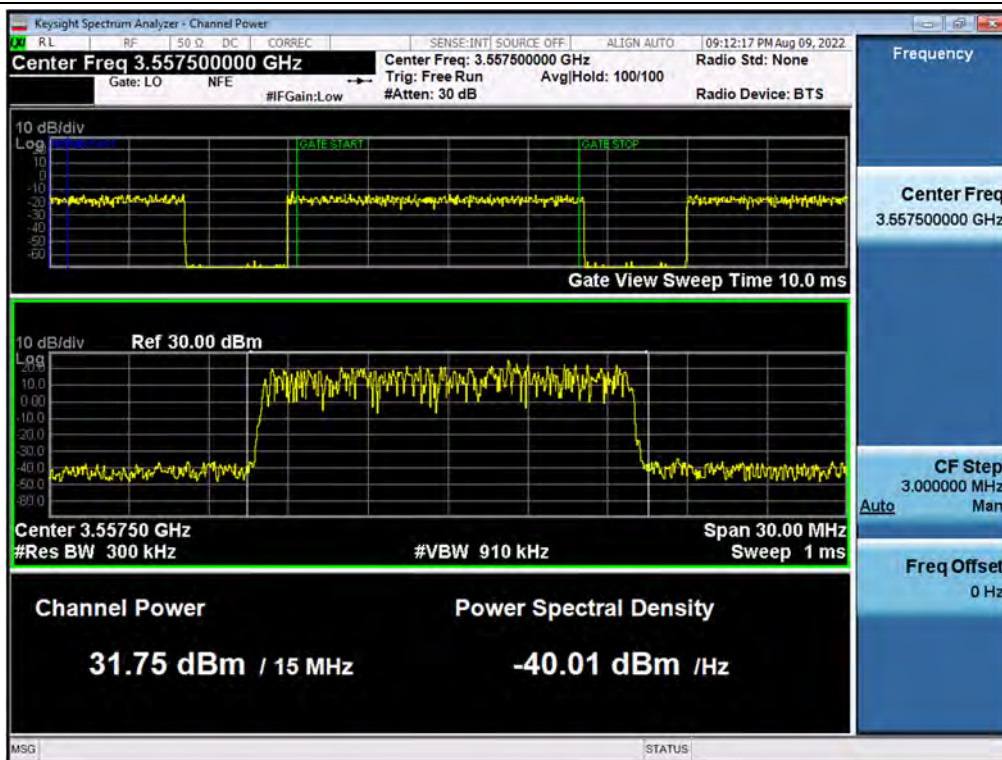
Antenna 2 / CBRS LTE 5 MHz 1 Carrier / QPSK / Low



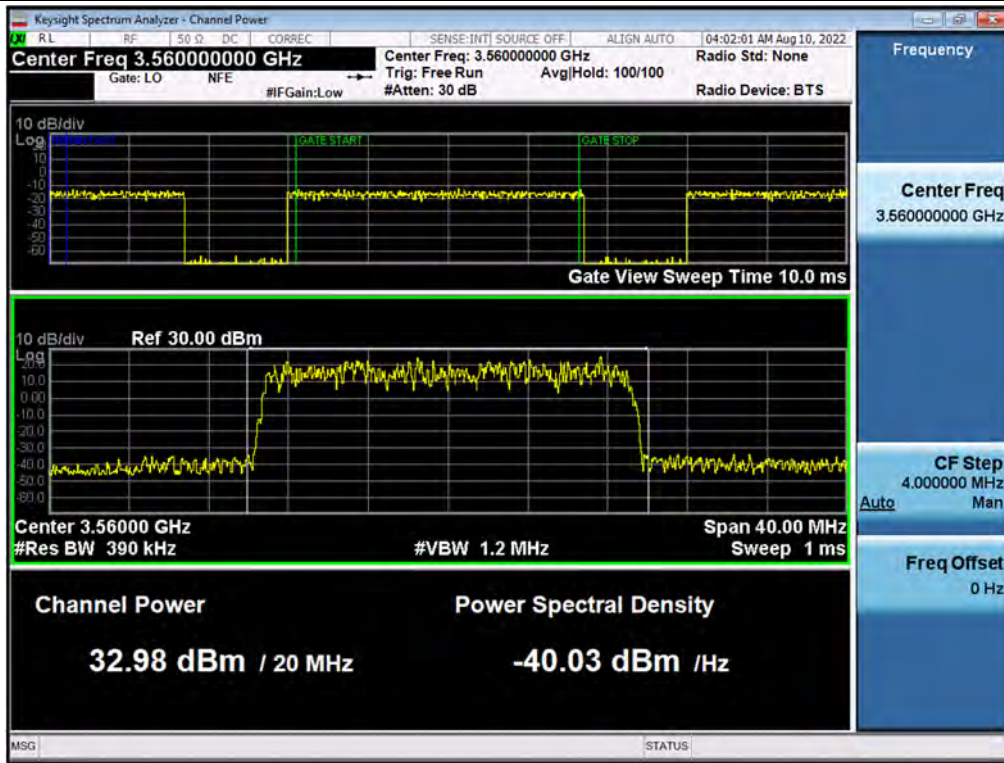
Antenna 2 / CBRS LTE 10 MHz 1 Carrier / 64QAM / Middle

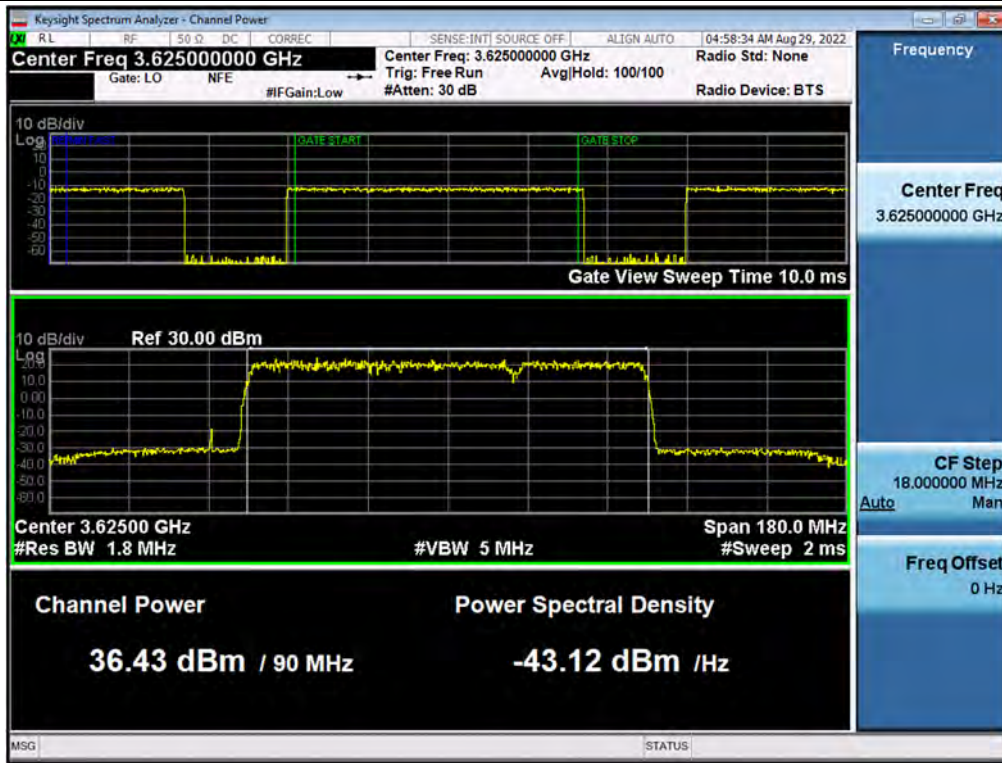
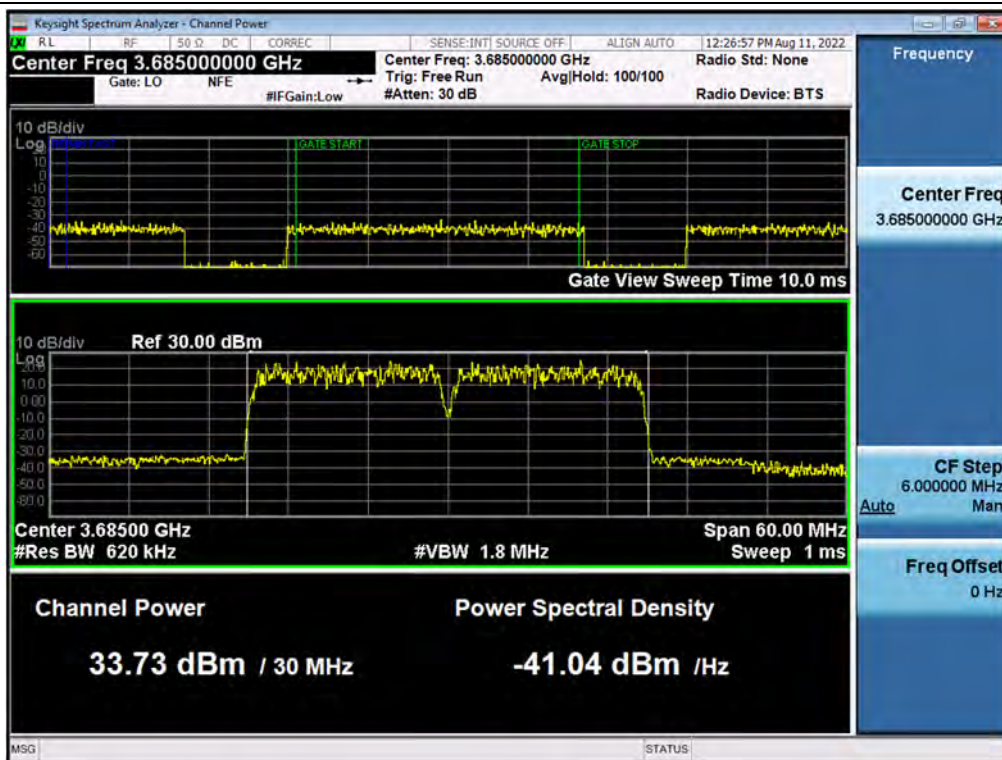


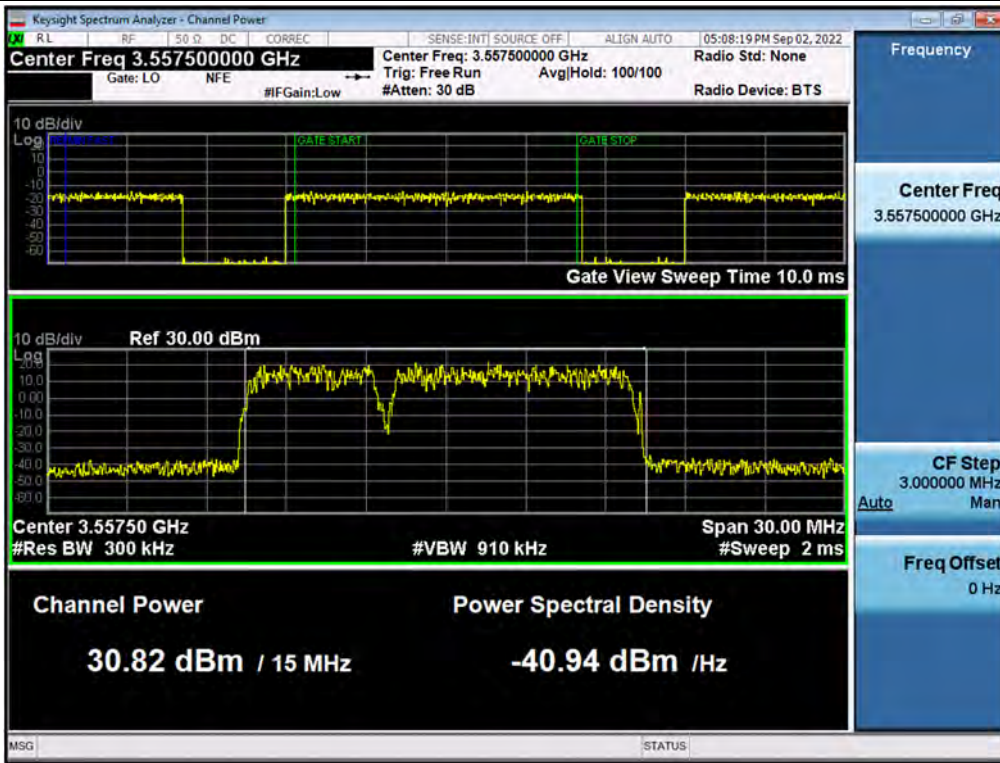
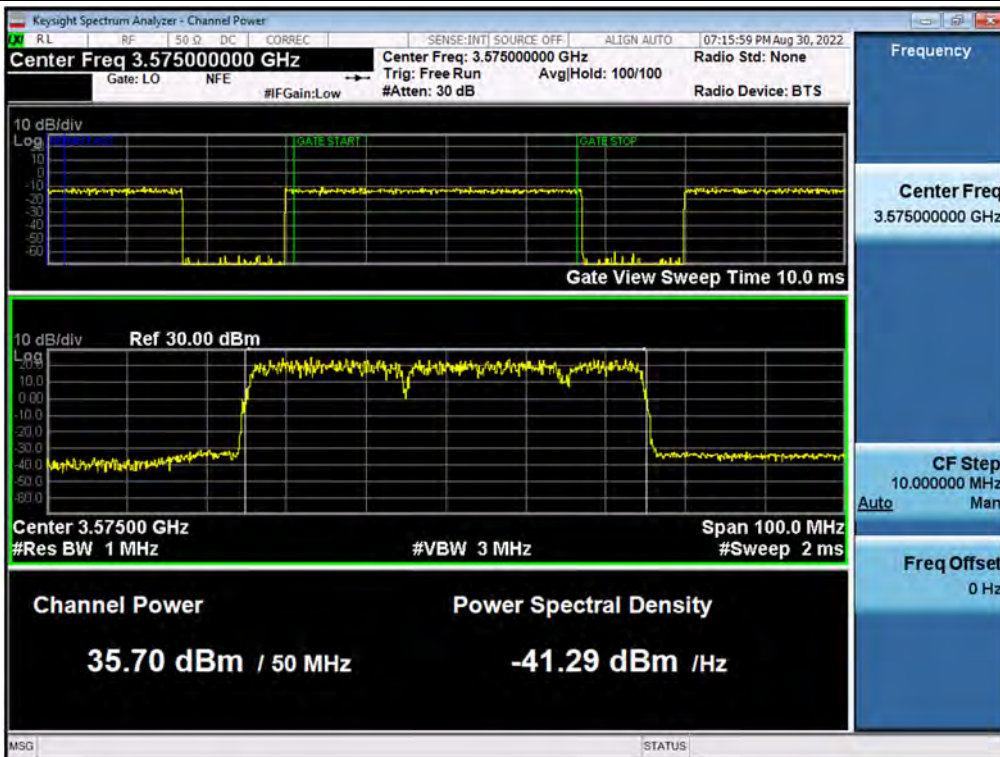
Antenna 3 / CBRS LTE 15 MHz 1 Carrier / 256QAM / Low



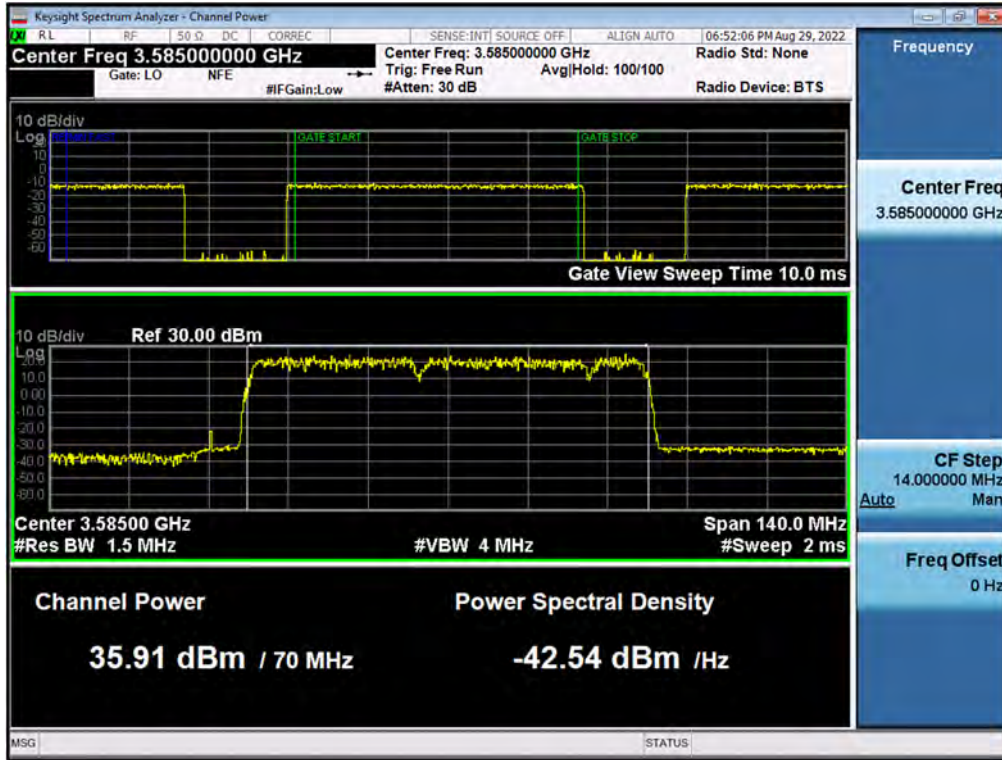
Antenna 2 / CBRs LTE 20 MHz 1 Carrier / QPSK / Low



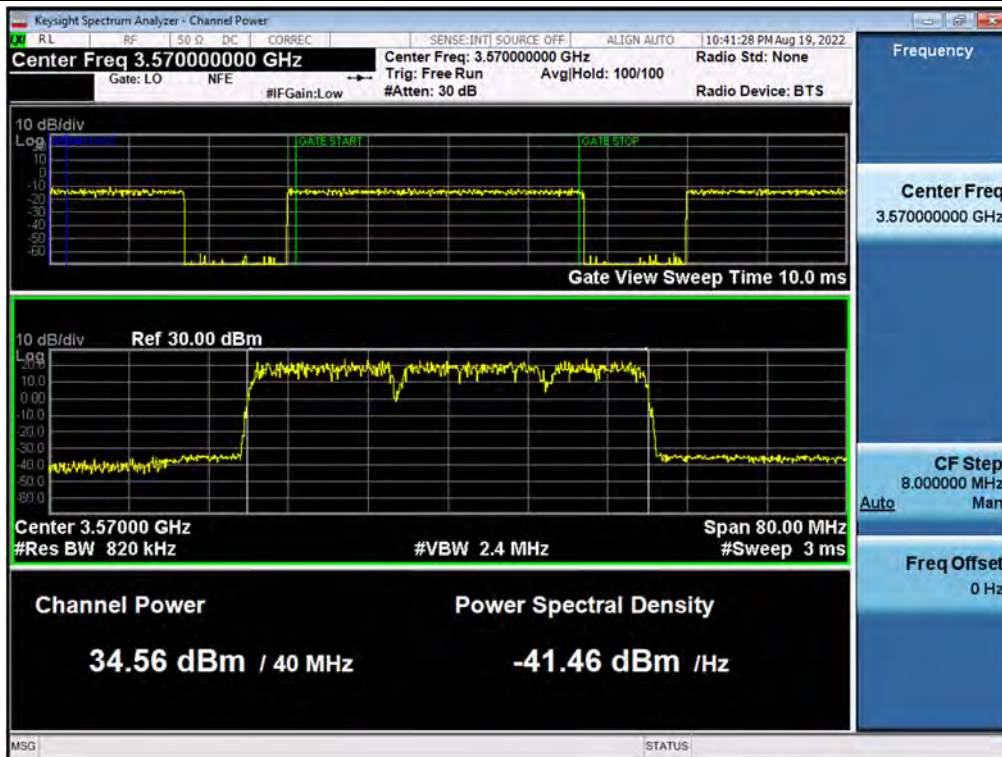
Antenna 3 / CBRS NR(60 MHz 1C + 30 MHz 1C)[2C] / Contiguous / 64QAM / Middle

Antenna 2 / CBRS LTE(15 MHz 1C + 15 MHz 1C)[2C] / Contiguous / 256QAM / High


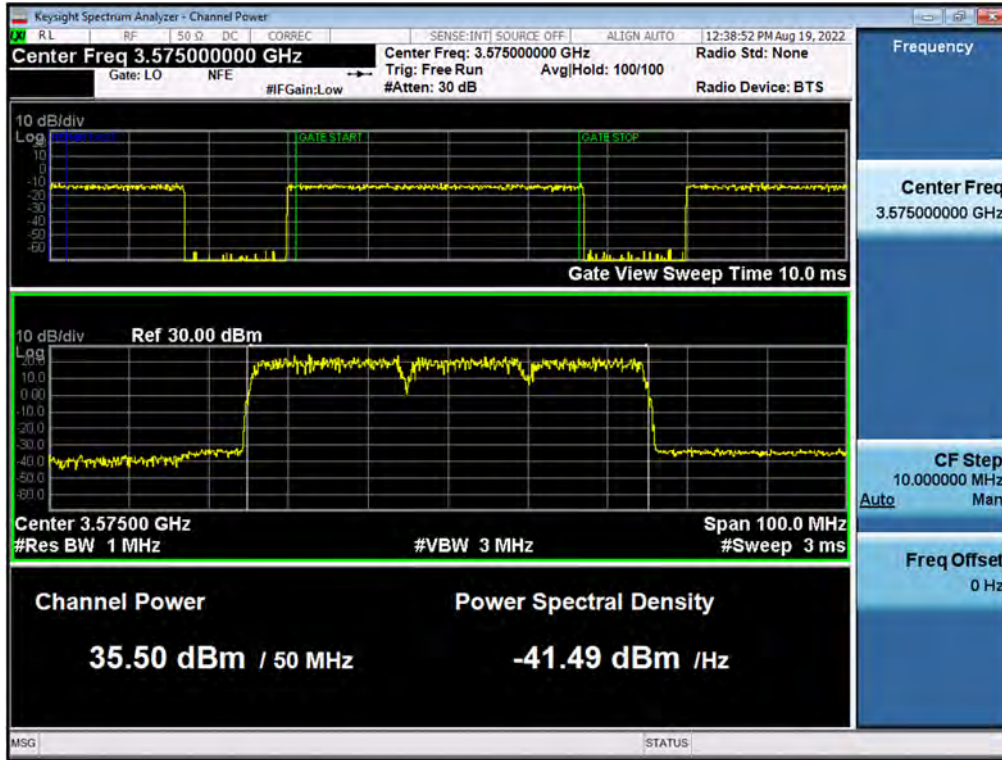
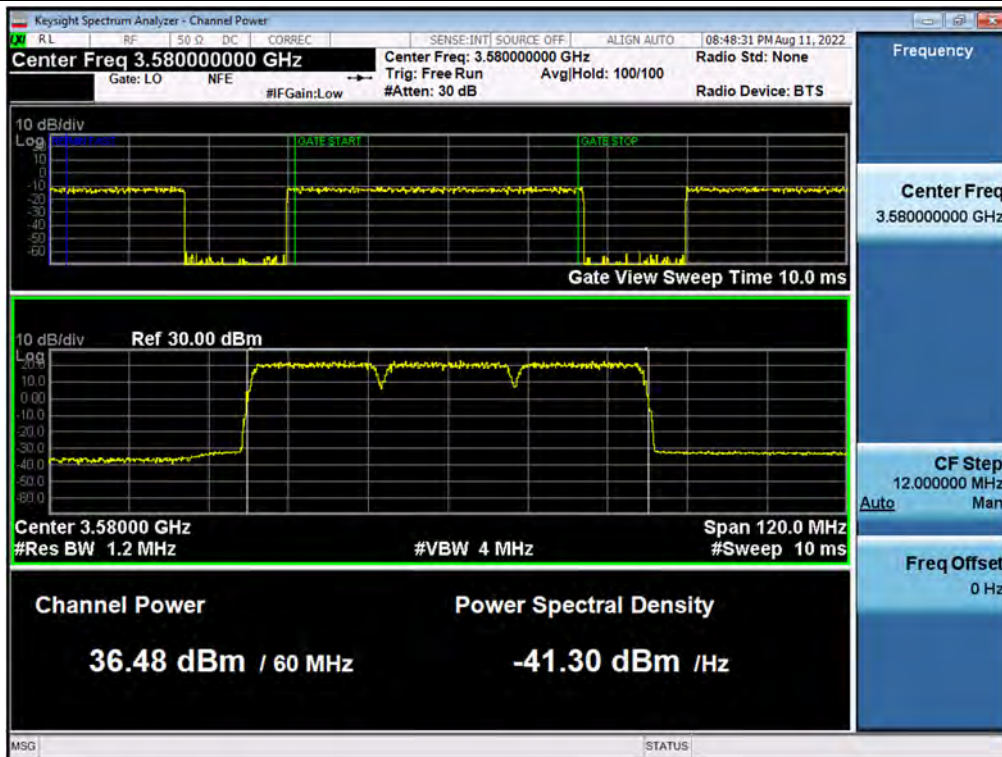
Antenna 3 / CBRS LTE 5 MHz 1C + NR 10 MHz 1C[2C] / Contiguous / QPSK / Low

Antenna 3 / CBRS NR(20 MHz 1C + 20 MHz 1C + 10 MHz 1C)[3C] / Contiguous / 16QAM / Low


Antenna 3 / CBRs NR(30 MHz 1C + 30 MHz 1C + 10 MHz 1C)[3C] / Contiguous / 16QAM / Low

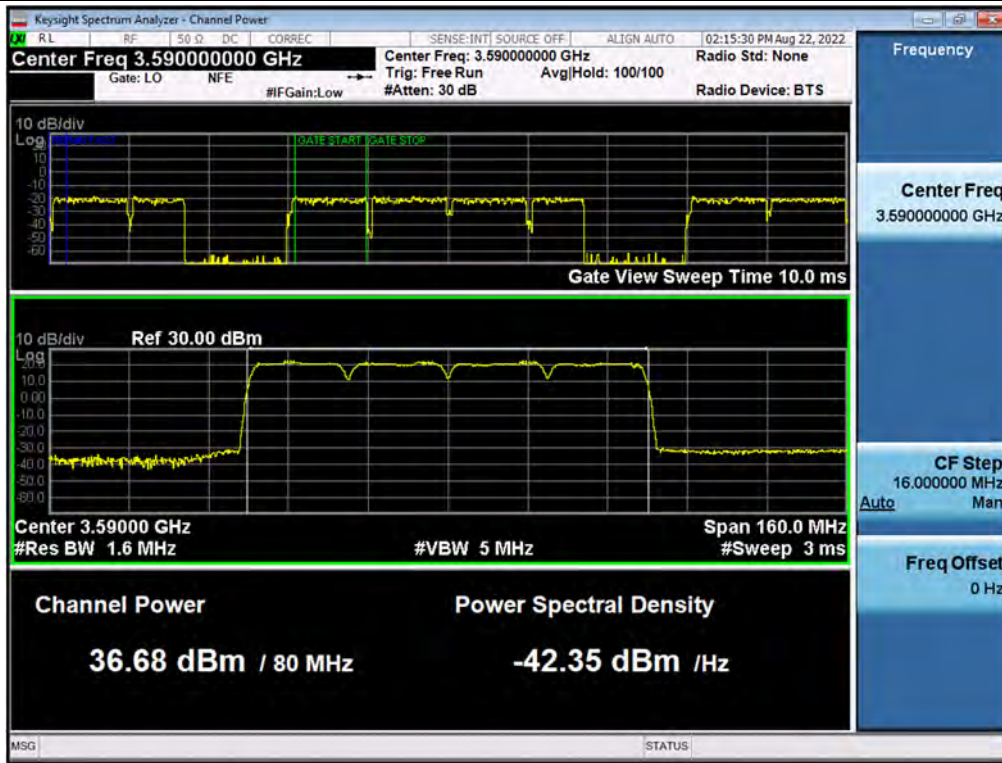


Antenna 3 / CBRs LTE(15 MHz 1C + 15 MHz 1C + 10 MHz 1C)[3C] / Contiguous / QPSK / Low

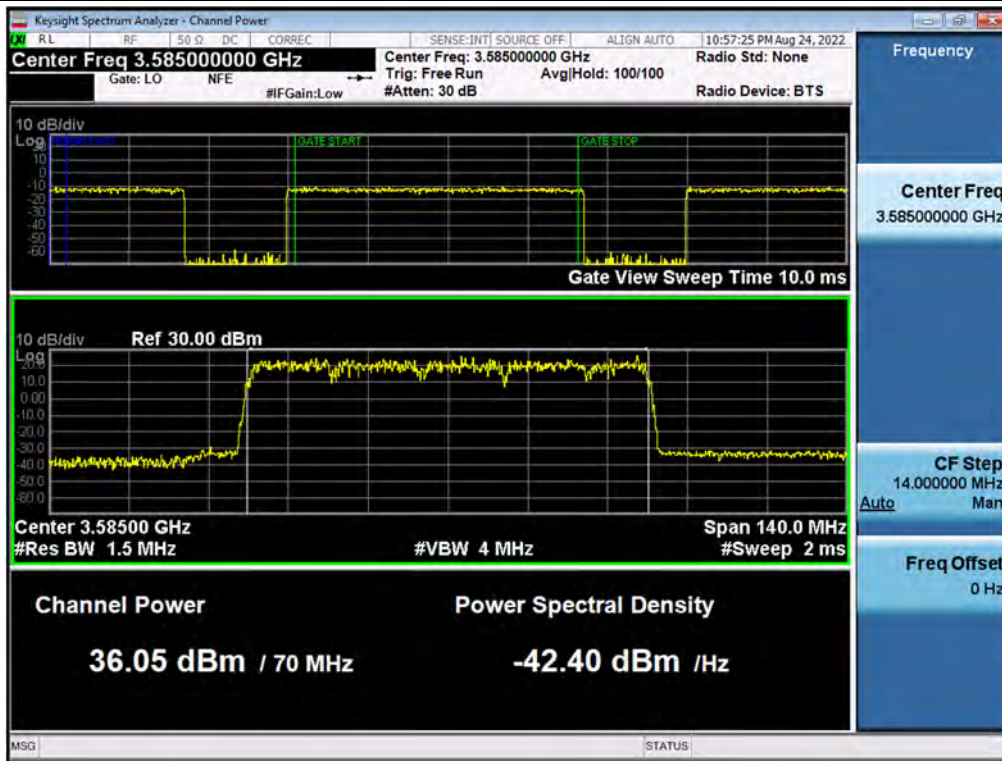


Antenna 3 / CBRS LTE(20 MHz 1C + 15 MHz 1C + 15 MHz 1C)[3C] / Contiguous / 64QAM / Low

Antenna 3 / CBRS LTE(20 MHz 1C + 20 MHz 1C + 20 MHz 1C)[3C] / Contiguous / QPSK / Low


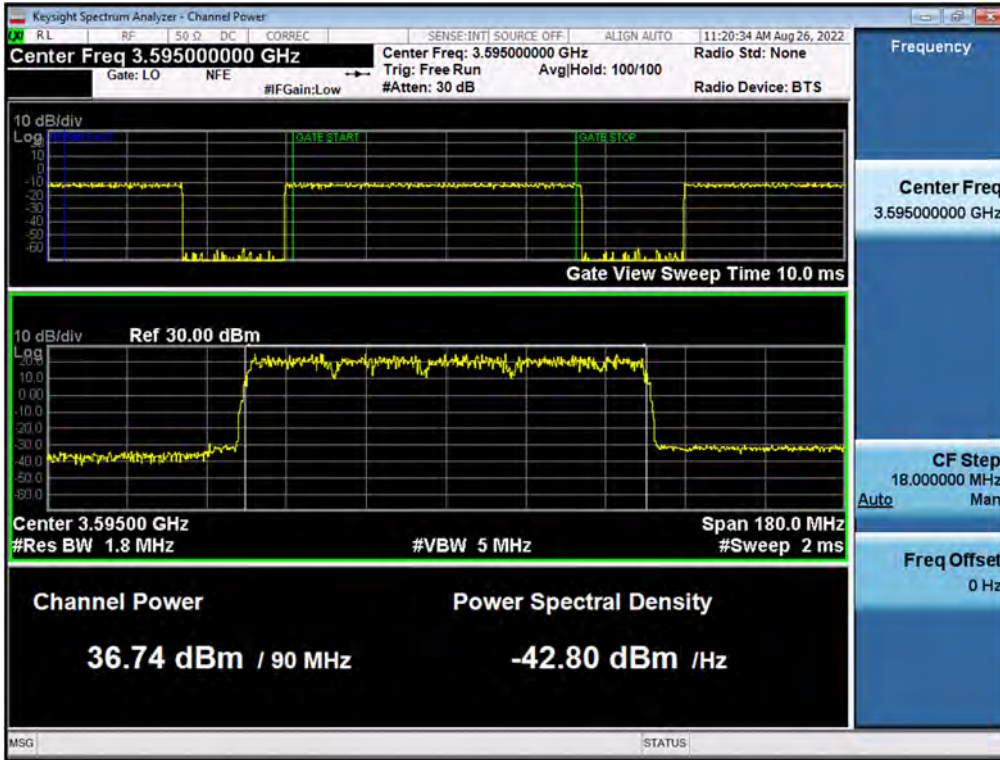
Antenna 3 / CBRS LTE(20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C)[4C] / Contiguous / 16QAM / Low



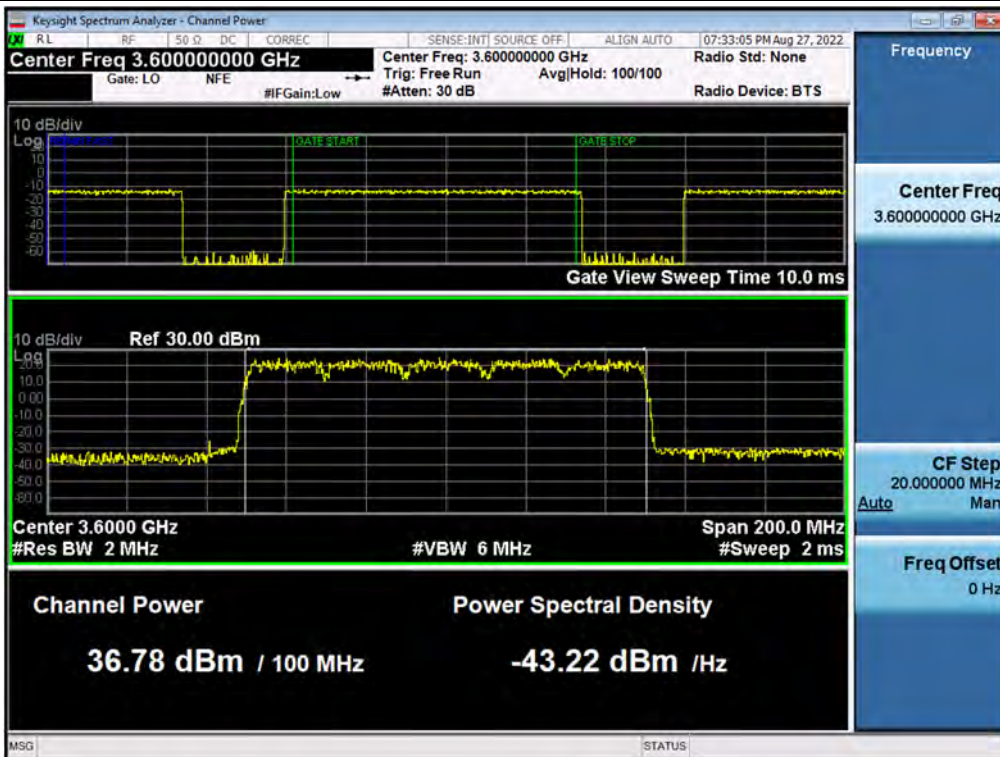
Antenna 3 / CBRS LTE(15 MHz 1C + 15 MHz 1C + 15 MHz 1C + 15 MHz 1C + 10 MHz 1C)[5C] / Contiguous / 256QAM / Low



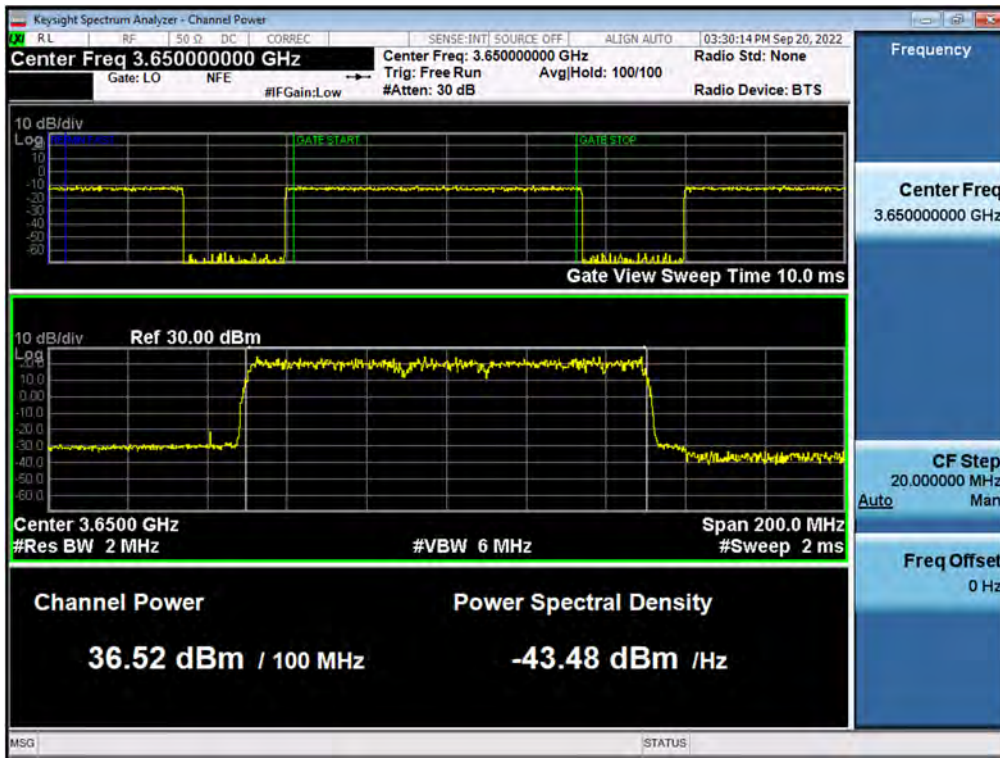
Antenna 3 / CBRs LTE(20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 10 MHz 1C)[5C] / Contiguous / 256QAM / Low



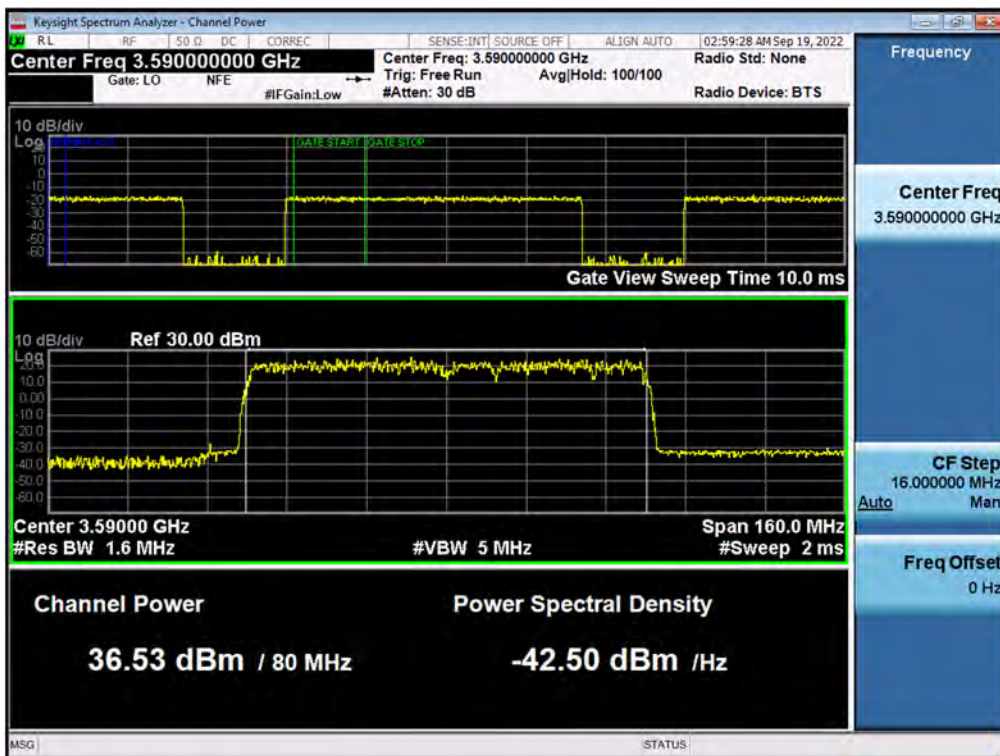
Antenna 1 / CBRs LTE(20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C)[5C] / Contiguous / QPSK / Low

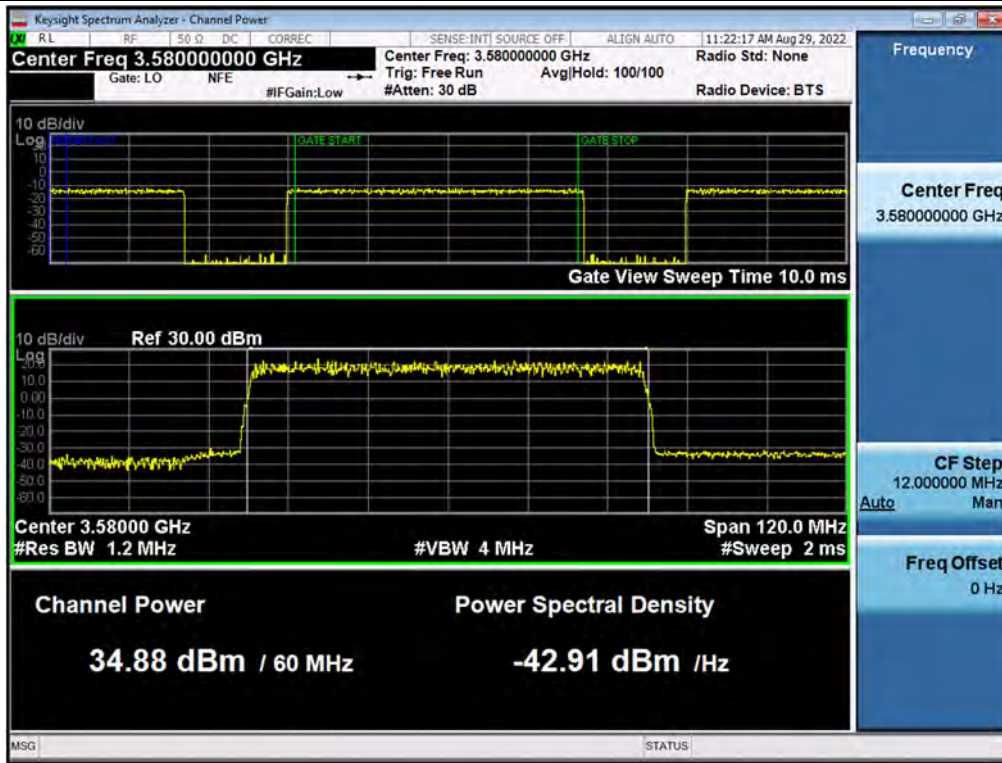
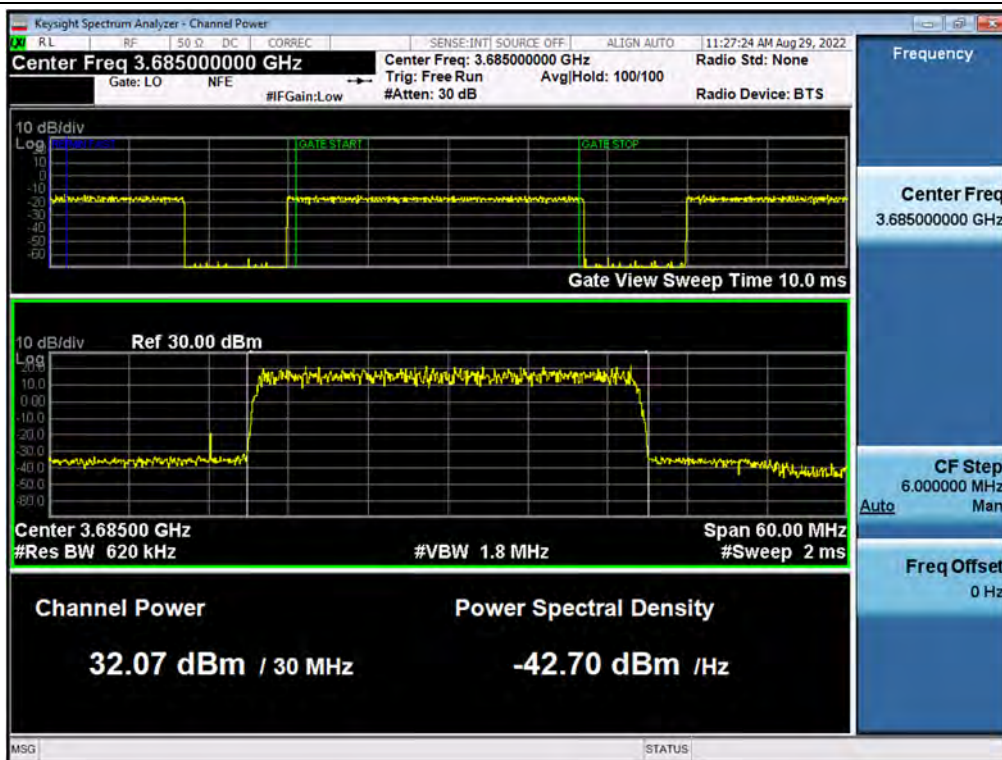


Antenna 3 / CBRS NR 40 MHz 1C + NR 20 MHz 1C + NR 20 MHz 1C + LTE 10 MHz 1C + LTE 10 MHz 1C [5C] / Contiguous / 64QAM / High

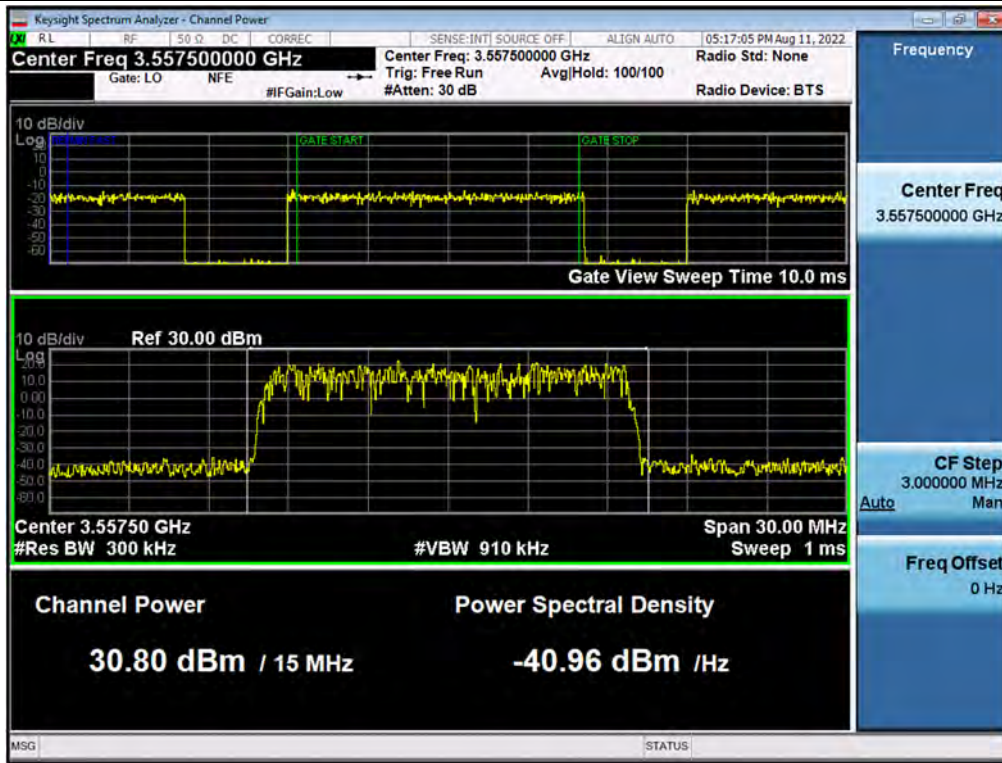


Antenna 3 / CBRS NR 40 MHz 1C + NR 10 MHz 1C + LTE 20 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C[5C] / Contiguous / 16QAM / Low

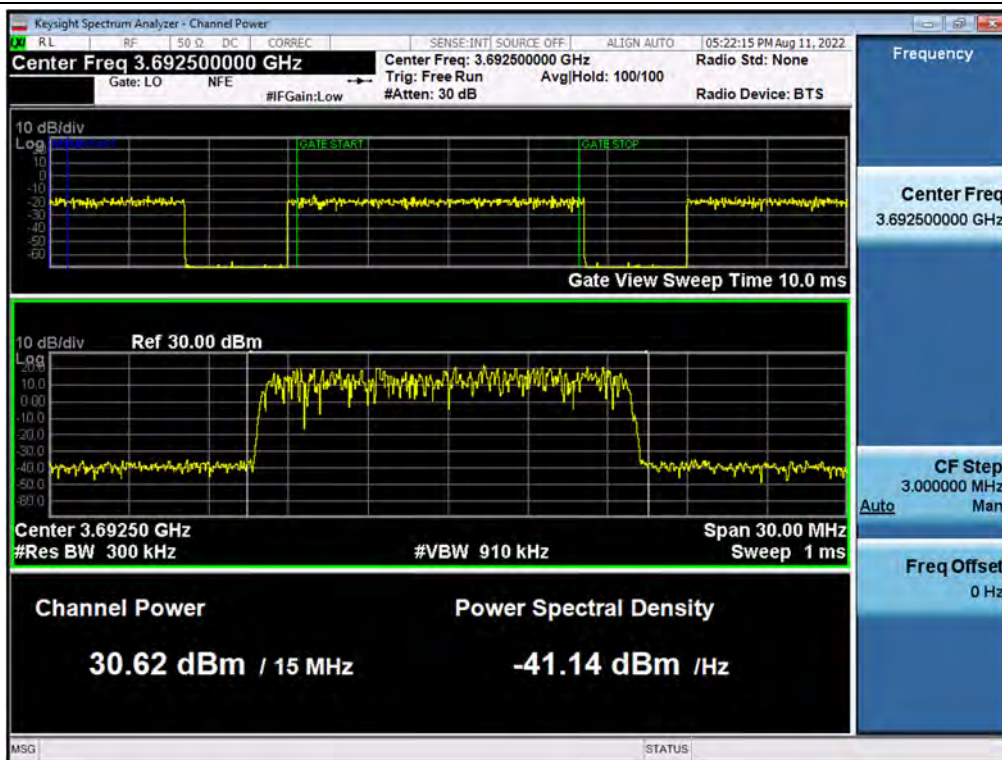


Antenna 3 / CBRS NR(60 MHz 1C + 30 MHz 1C)[2C] / NR 60 MHz 1C / Non-Contiguous / QPSK / Low

Antenna 3 / CBRS NR(60 MHz 1C + 30 MHz 1C)[2C] / NR 30 MHz 1C / Non-Contiguous / QPSK / High


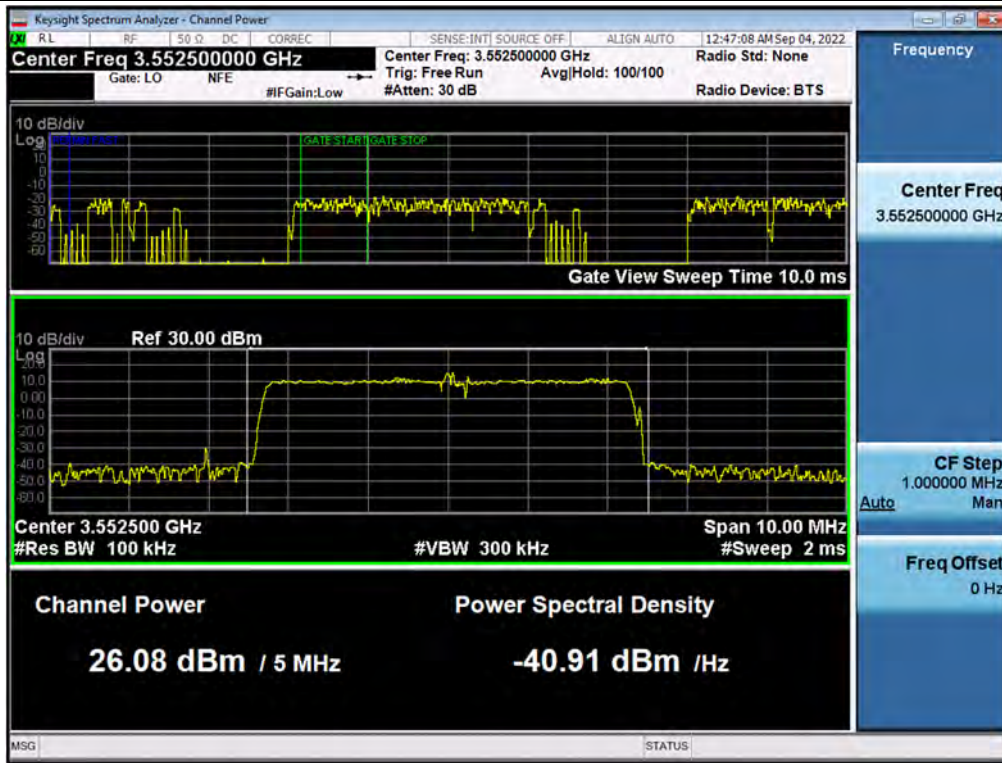
Antenna 2 / CBRS LTE(15 MHz 1C + 15 MHz 1C)[2C] / LTE 15 MHz 1C / Non-Contiguous / 64QAM / Low



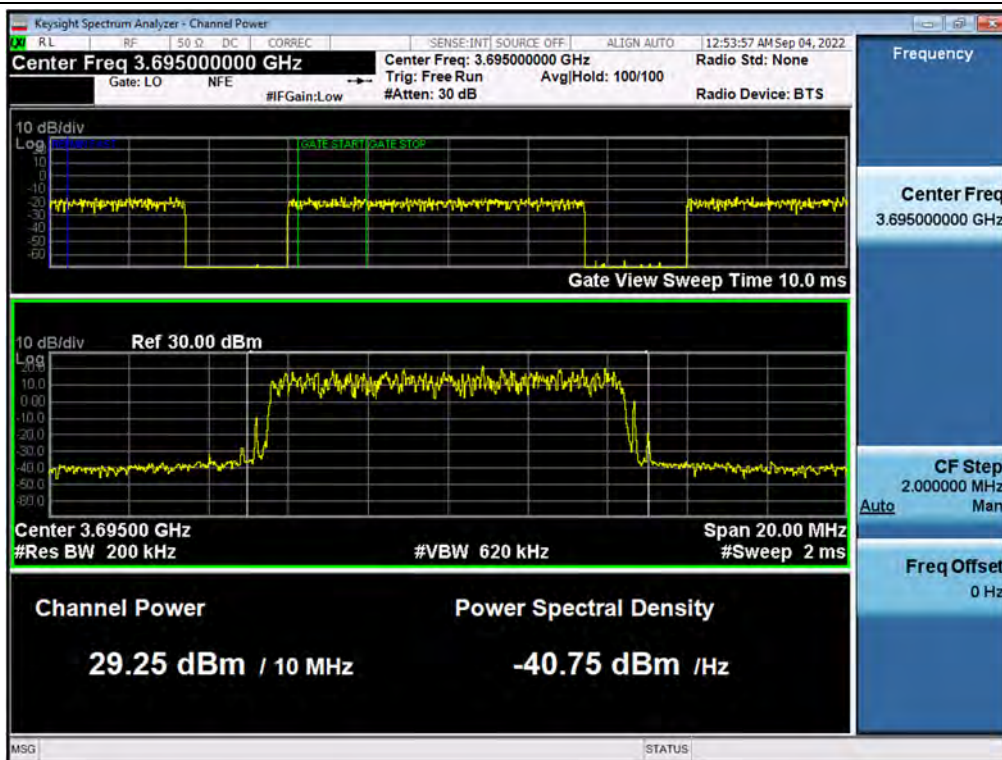
Antenna 2 / CBRS LTE(15 MHz 1C + 15 MHz 1C)[2C] / LTE 15 MHz 1C / Non-Contiguous / 64QAM / High



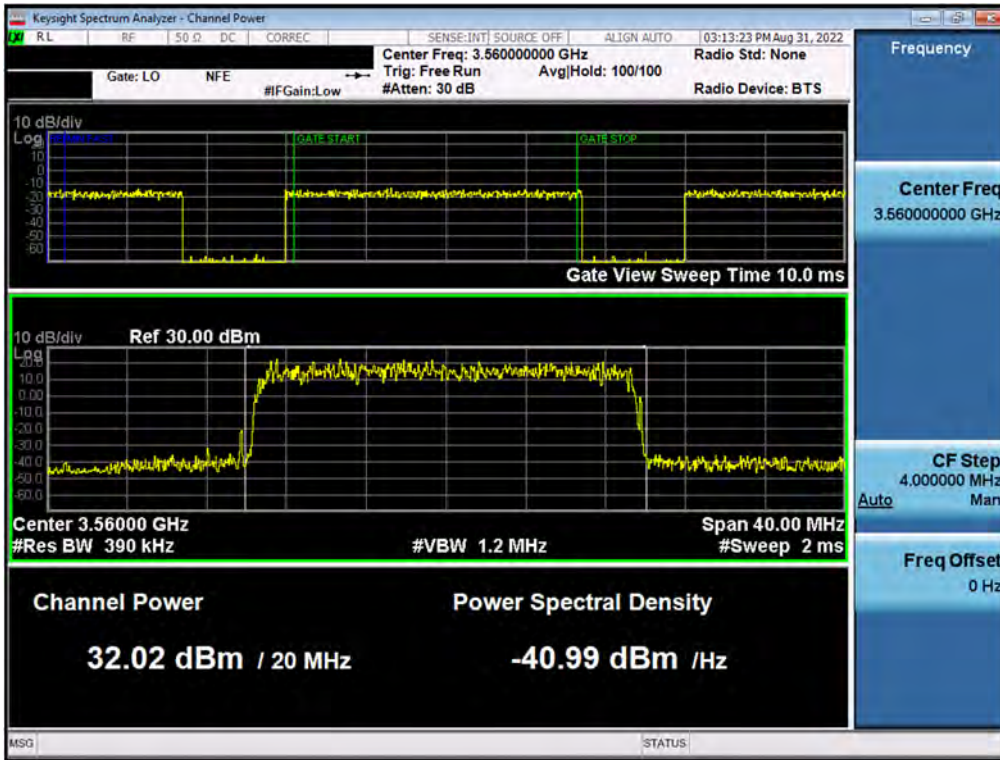
Antenna 3 / CBRS LTE 5 MHz 1C + NR 10 MHz 1C[2C] / LTE 5 MHz 1C / Non-Contiguous / 16QAM / Low



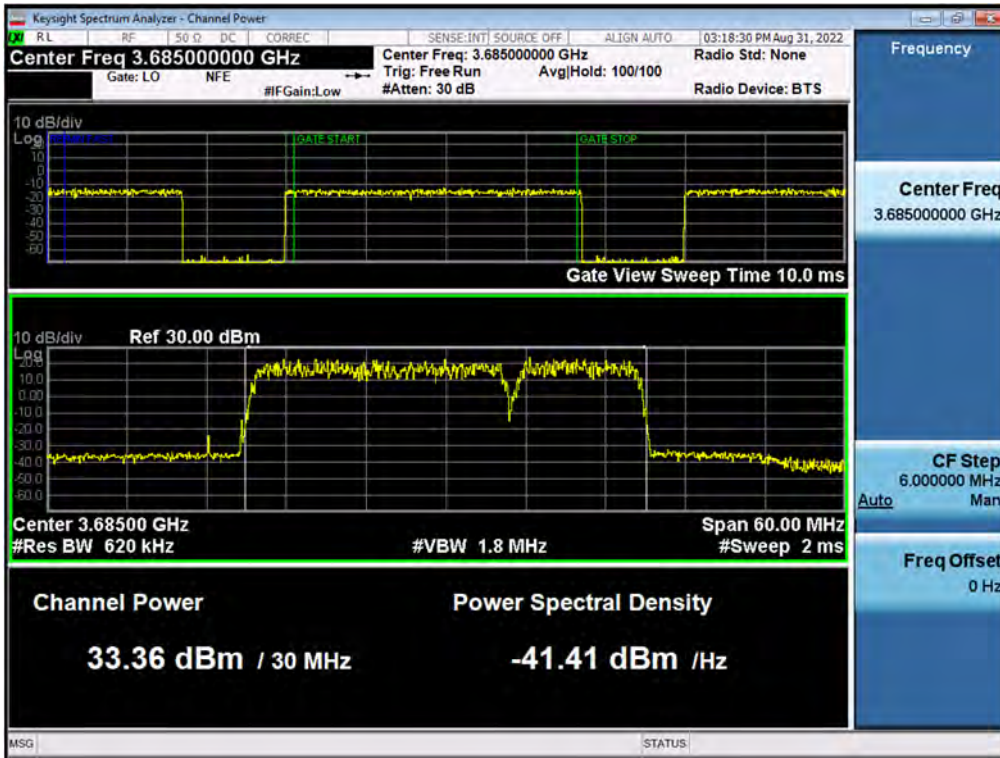
Antenna 3 / CBRS LTE 5 MHz 1C + NR 10 MHz 1C[2C] / NR 10 MHz 1C / Non-Contiguous / 16QAM / High



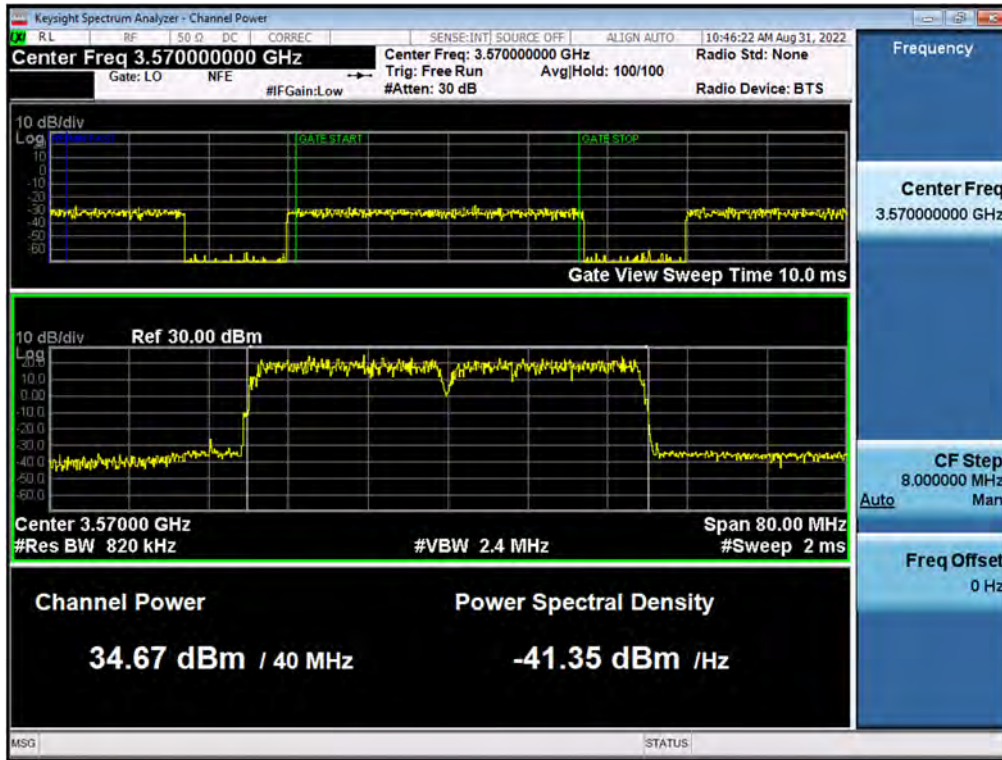
Antenna 3 / CBRS NR[20 MHz 1C + (20 MHz 1C + 10 MHz 1C)][3C(1C+2C)] / NR 20 MHz 1C / Non-Contiguous / 16QAM / Low



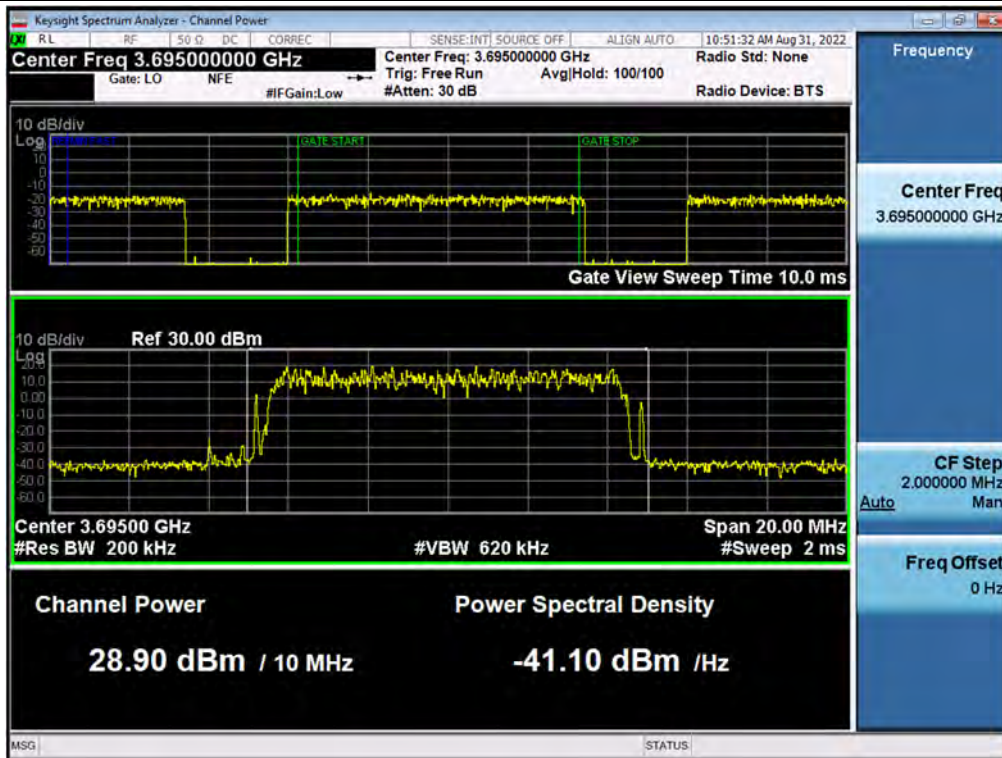
Antenna 3 / CBRS NR[20 MHz 1C + (20 MHz 1C + 10 MHz 1C)][3C(1C+2C)] / NR 20 MHz 1C + NR 10 MHz 1C / Non-Contiguous / 16QAM / High

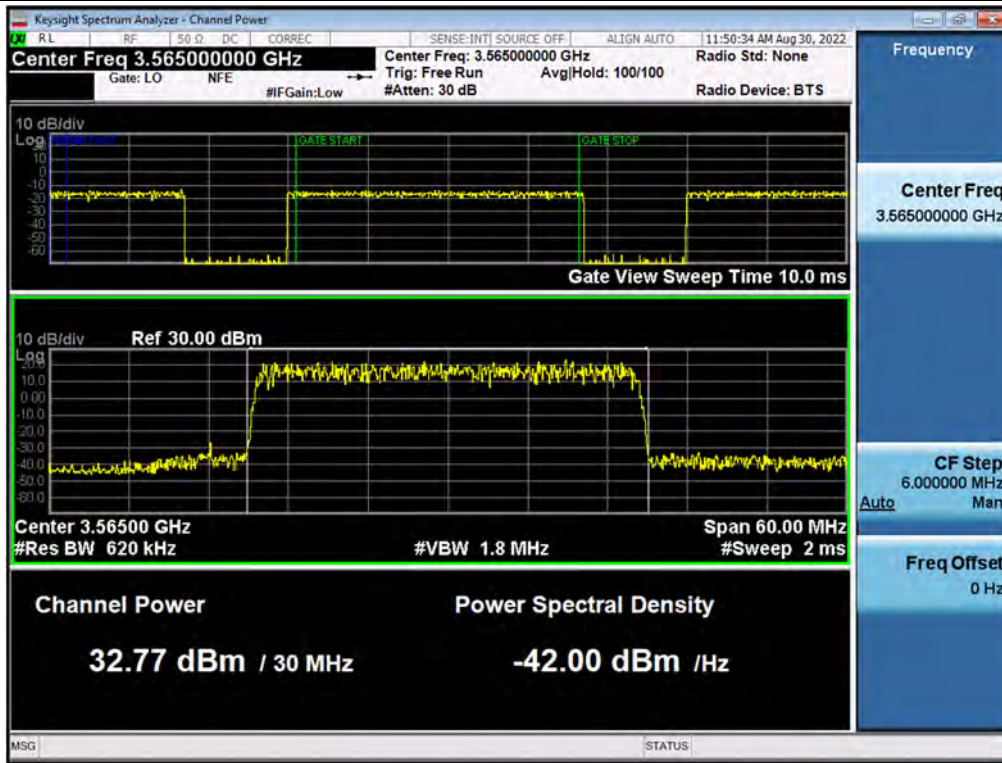
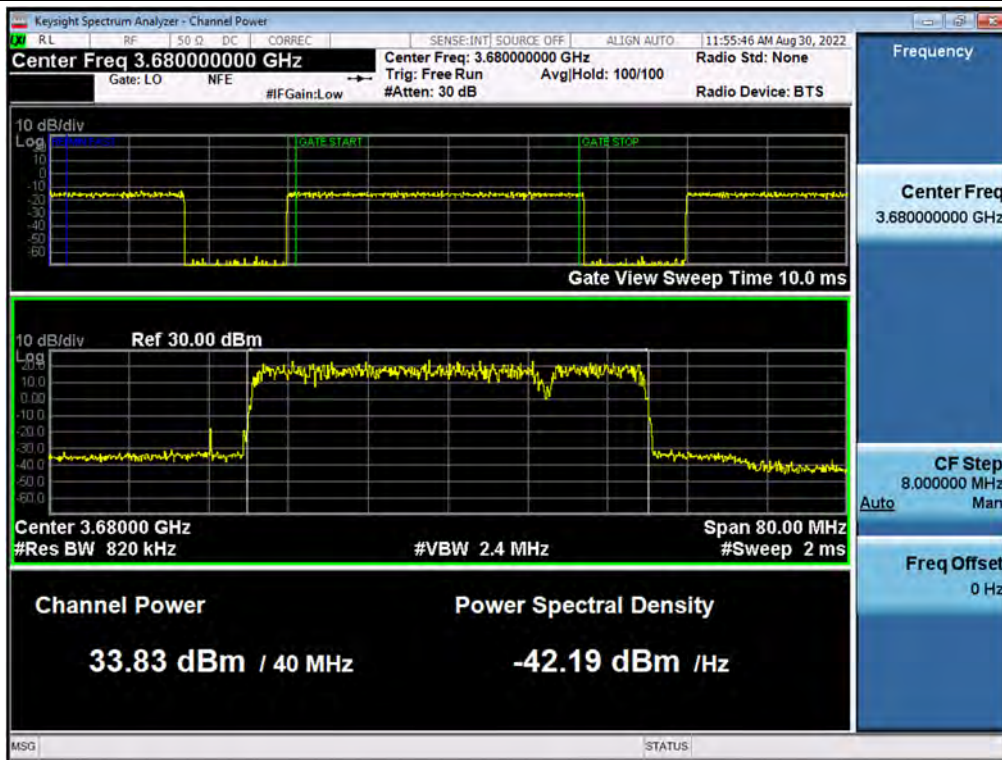


Antenna 3 / CBRS NR[(20 MHz 1C + 20 MHz 1C) + 10 MHz 1C][3C(2C+1C)] / NR 20 MHz 1C + NR 20 MHz 1C / Non-Contiguous / 256QAM / Low

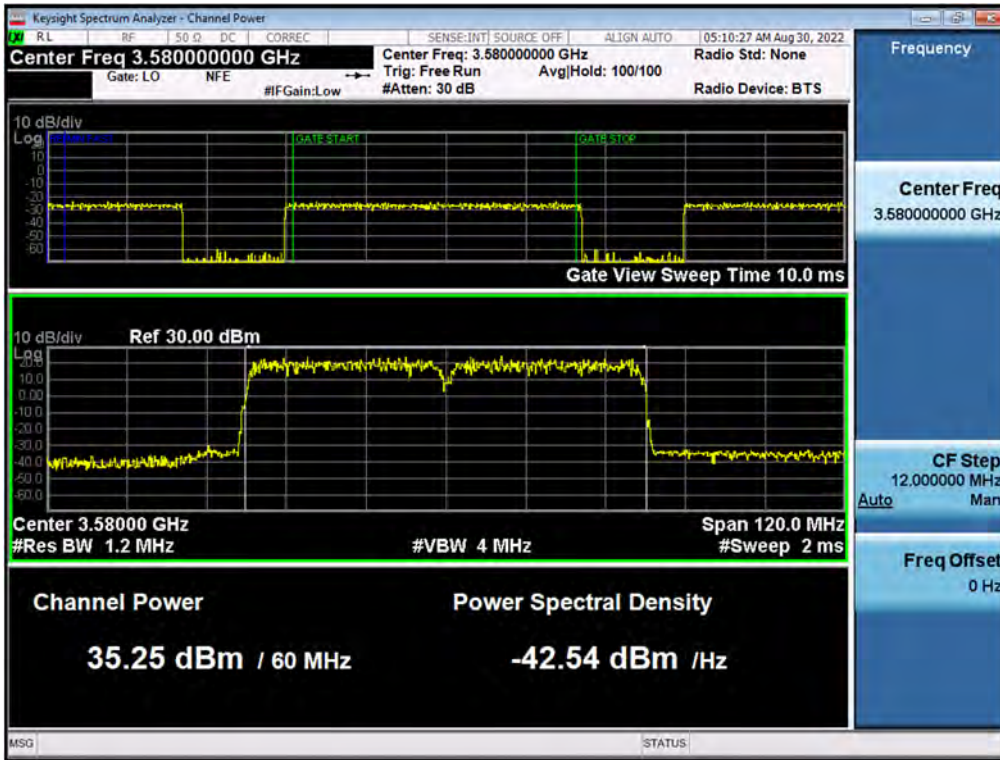


Antenna 3 / CBRS NR[(20 MHz 1C + 20 MHz 1C) + 10 MHz 1C][3C(2C+1C)] / NR 10 MHz 1C / Non-Contiguous / 256QAM / High

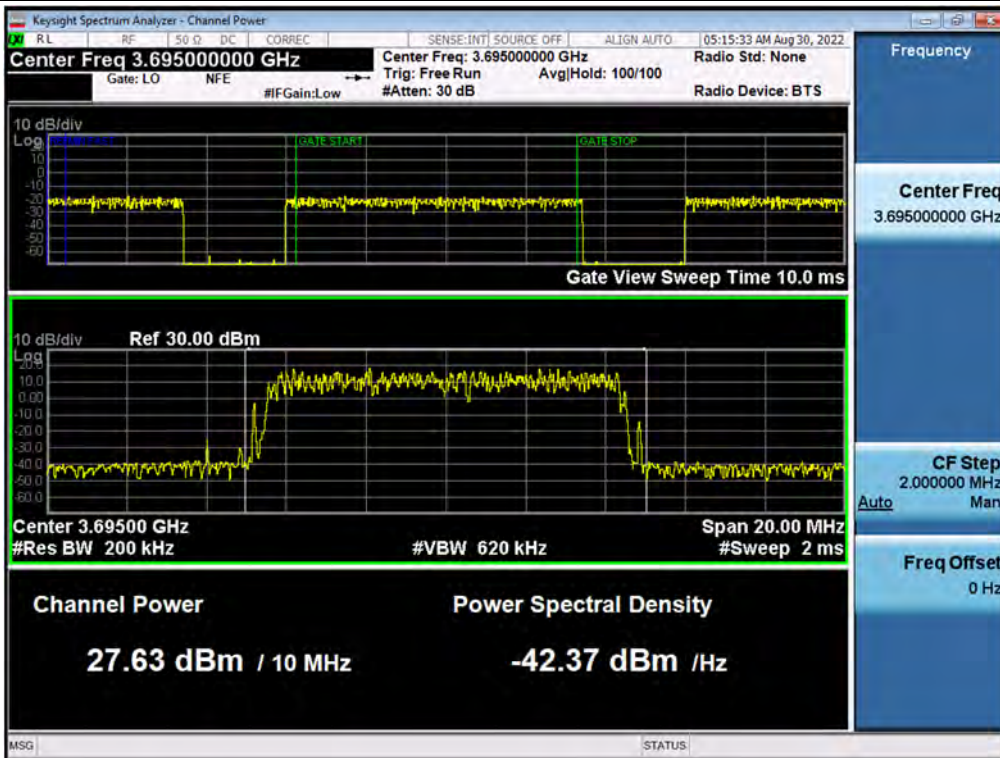


Antenna 3 / CBRS NR[30 MHz 1C + (30 MHz 1C + 10 MHz 1C)][3C(1C+2C)] / NR 30 MHz 1C / Non-Contiguous / QPSK / Low

Antenna 3 / CBRS NR[30 MHz 1C + (30 MHz 1C + 10 MHz 1C)][3C(1C+2C)] / NR 30 MHz 1C + NR 10 MHz 1C / Non-Contiguous / QPSK / High


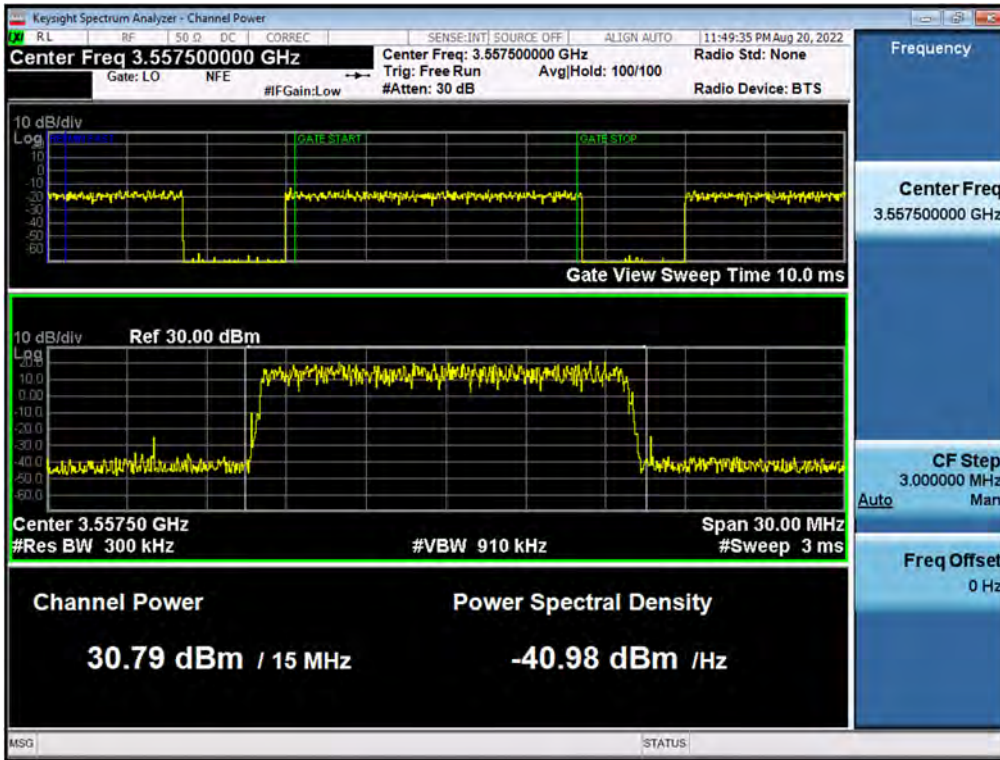
Antenna 3 / CBRS NR[(30 MHz 1C + 30 MHz 1C) + 10 MHz 1C][3C(2C+1C)] / NR 30 MHz 1C + NR 30 MHz 1C / Non-Contiguous / QPSK / Low



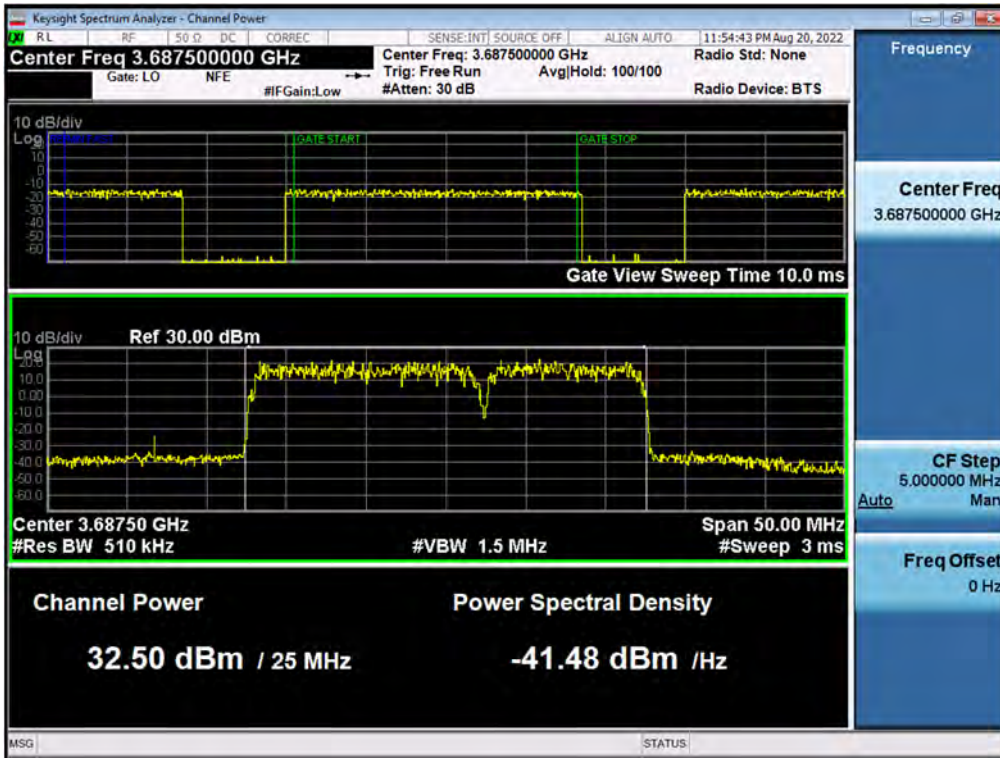
Antenna 3 / CBRS NR[(30 MHz 1C + 30 MHz 1C) + 10 MHz 1C][3C(2C+1C)] / NR 10 MHz 1C / Non-Contiguous / QPSK / High



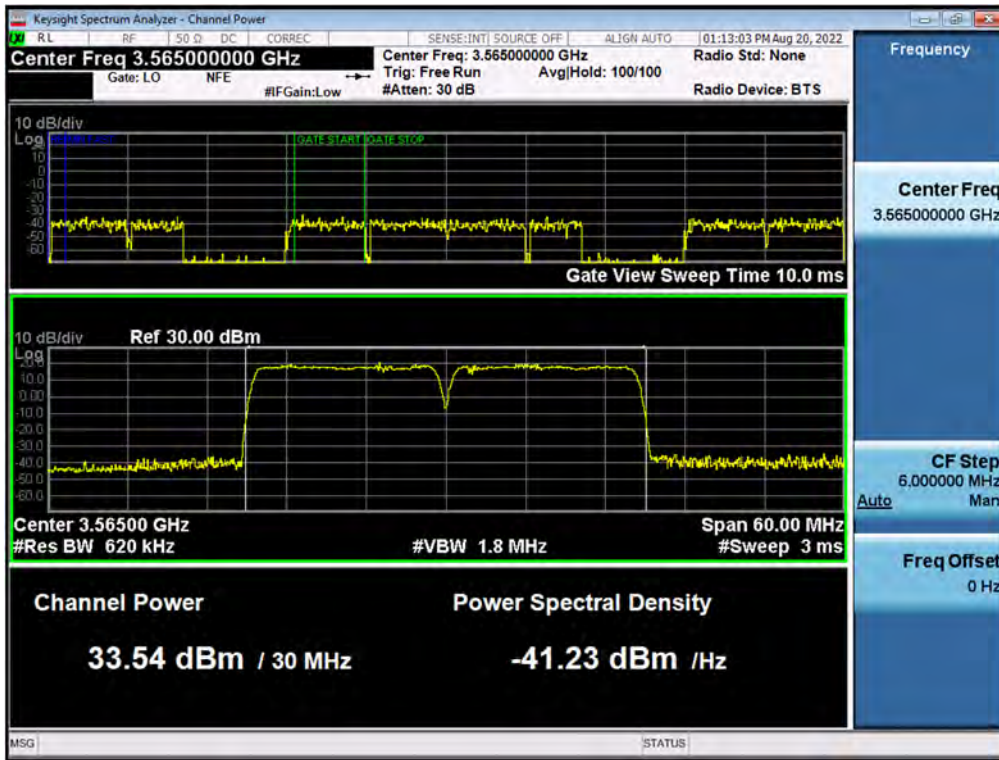
Antenna 3 / CBRS LTE[15 MHz 1C + (15 MHz 1C + 10 MHz 1C)][3C(1C+2C)] / LTE 15 MHz 1C / Non-Contiguous / 256QAM / Low



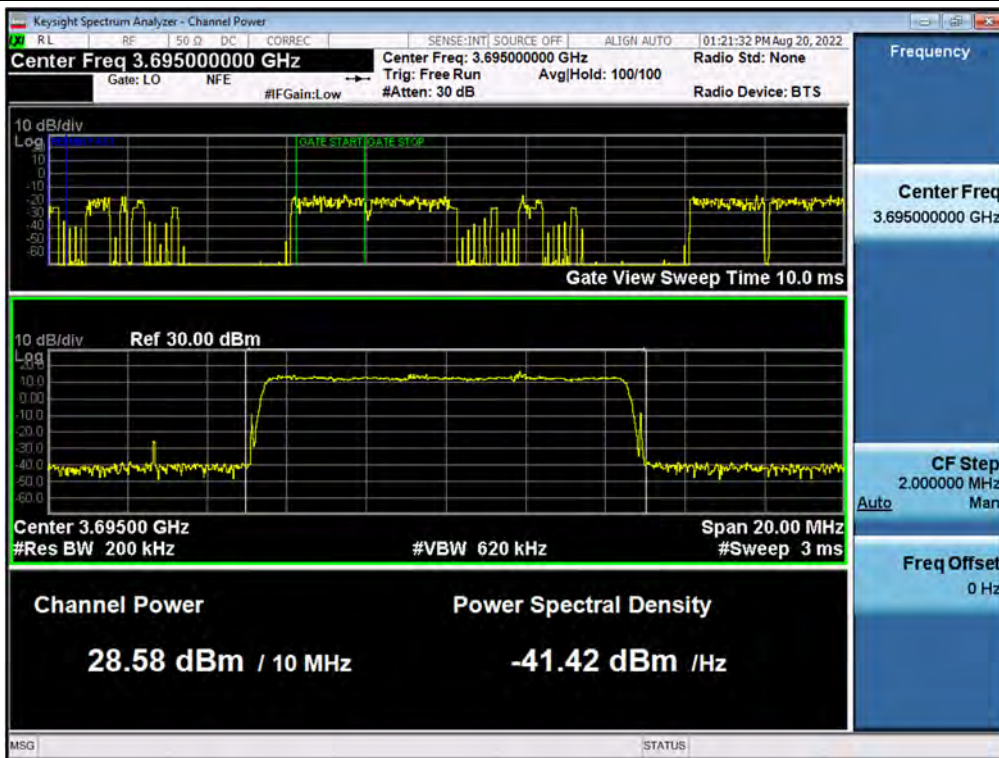
Antenna 3 / CBRS LTE[15 MHz 1C + (15 MHz 1C + 10 MHz 1C)][3C(1C+2C)] / LTE 15 MHz 1C + LTE 10 MHz 1C / Non-Contiguous / 256QAM / High



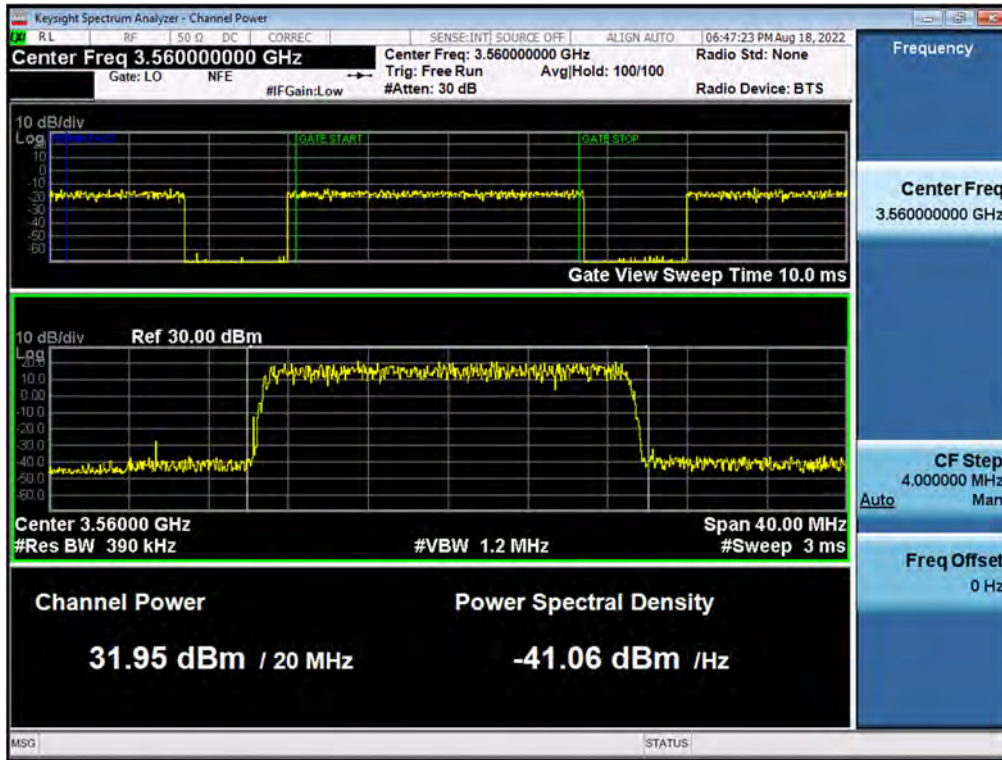
Antenna 3 / CBRS LTE[(15 MHz 1C + 15 MHz 1C) + 10 MHz 1C][3C(2C+1C)] / LTE 15 MHz 1C + LTE 15 MHz 1C / Non-Contiguous / 16QAM / Low



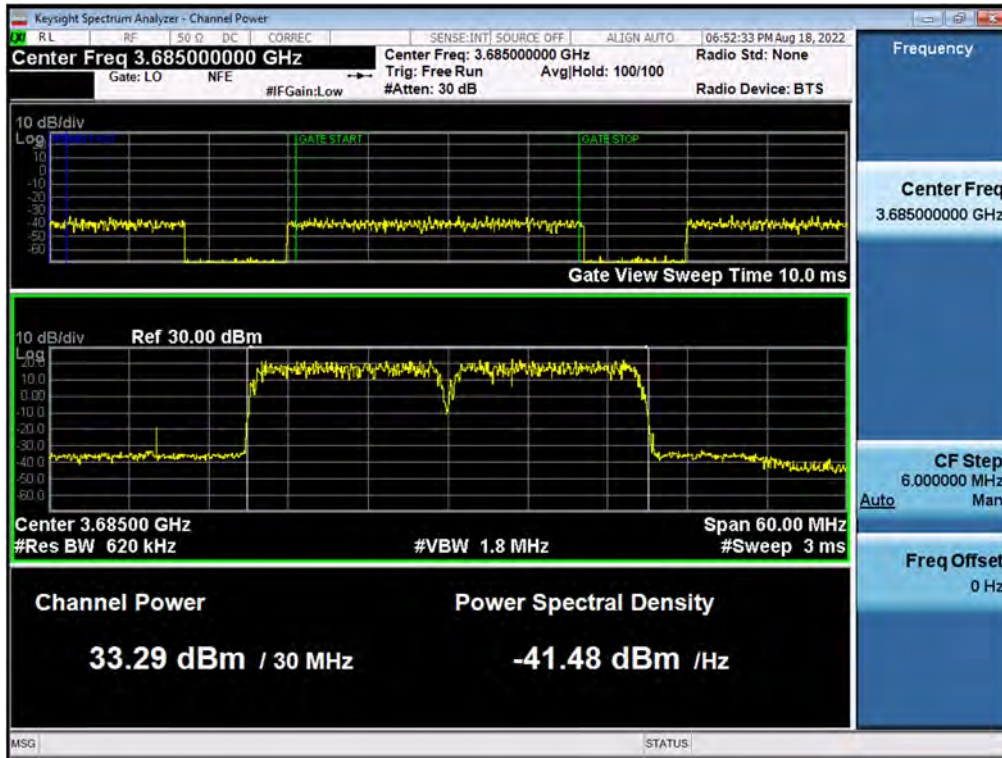
Antenna 3 / CBRS LTE[(15 MHz 1C + 15 MHz 1C) + 10 MHz 1C][3C(2C+1C)] / LTE 10 MHz 1C / Non-Contiguous / 16QAM / High



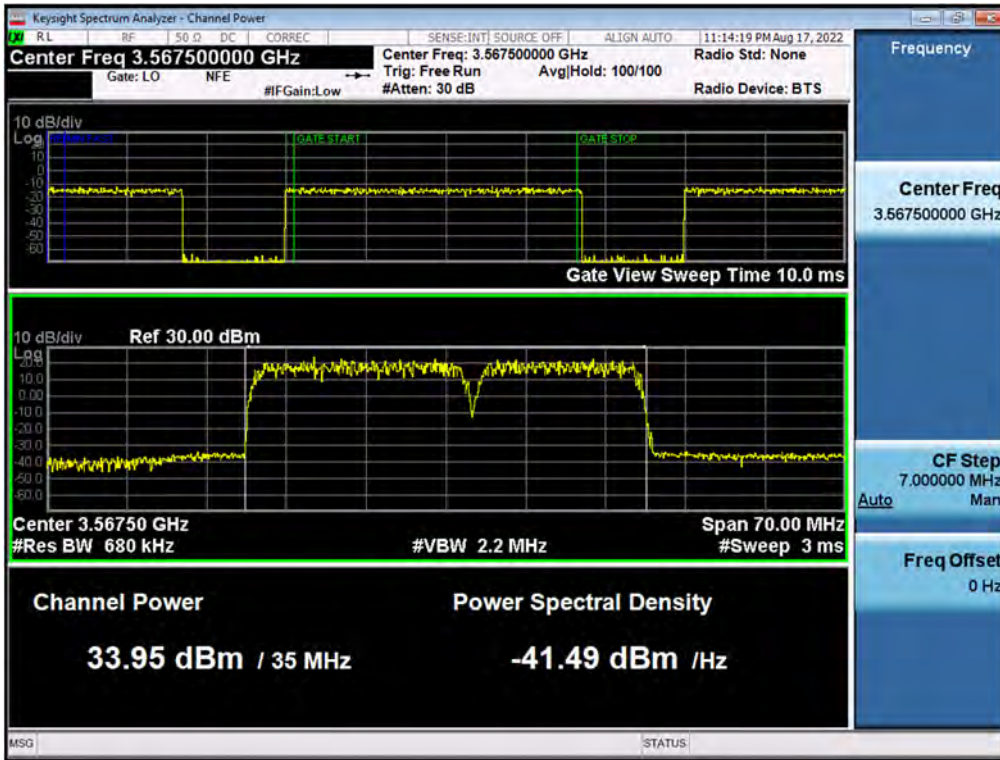
Antenna 3 / CBRS LTE[20 MHz 1C + (15 MHz 1C + 15 MHz 1C)][3C(1C+2C)] / LTE 20 MHz 1C / Non-Contiguous / 256QAM / Low



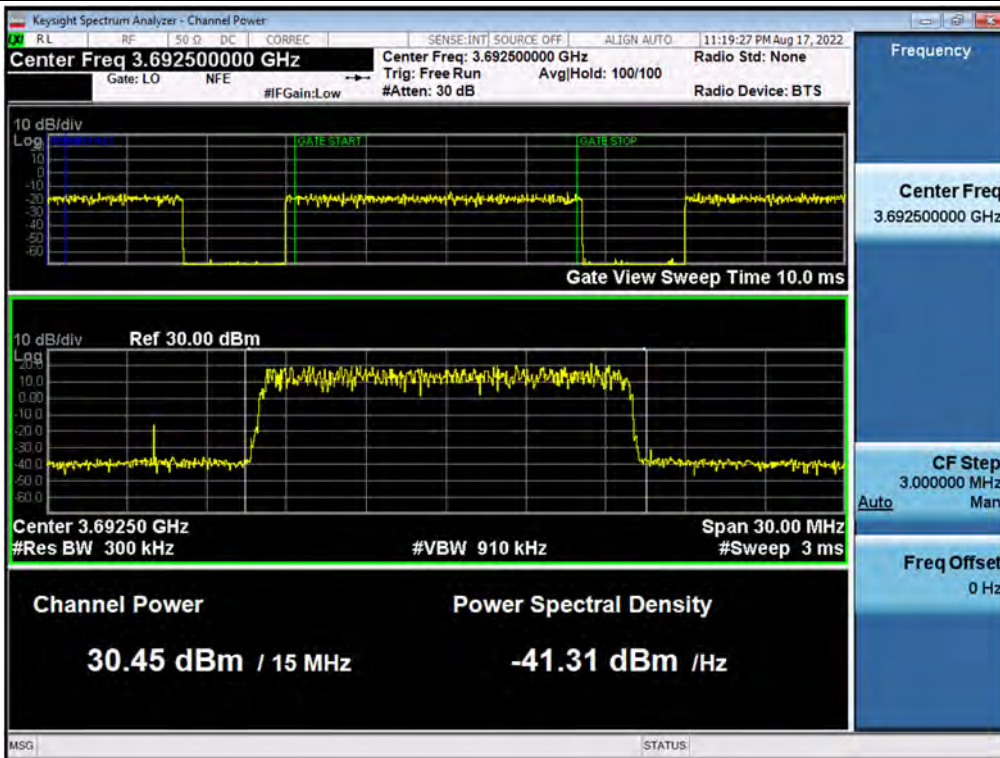
Antenna 3 / CBRS LTE[20 MHz 1C + (15 MHz 1C + 15 MHz 1C)][3C(1C+2C)] / LTE 15 MHz 1C + LTE 15 MHz 1C / Non-Contiguous / 256QAM / High



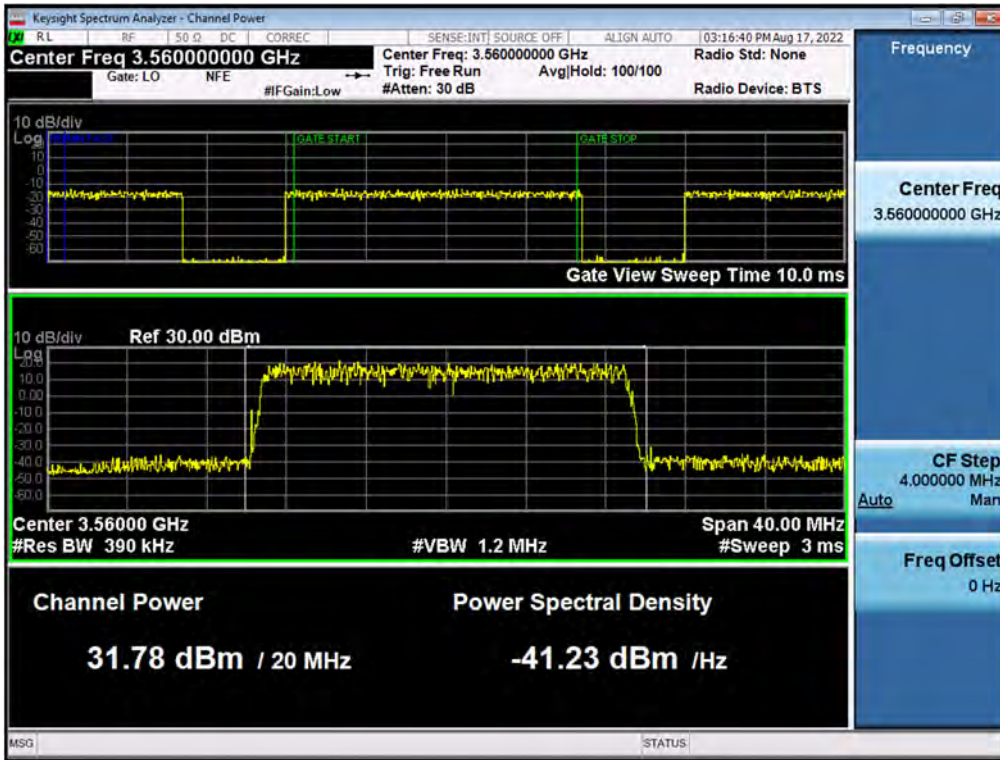
Antenna 3 / CBRS LTE[(20 MHz 1C + 15 MHz 1C) + 15 MHz 1C][3C(2C+1C)] / LTE 20 MHz 1C + LTE 15 MHz 1C / Non-Contiguous / QPSK / Low



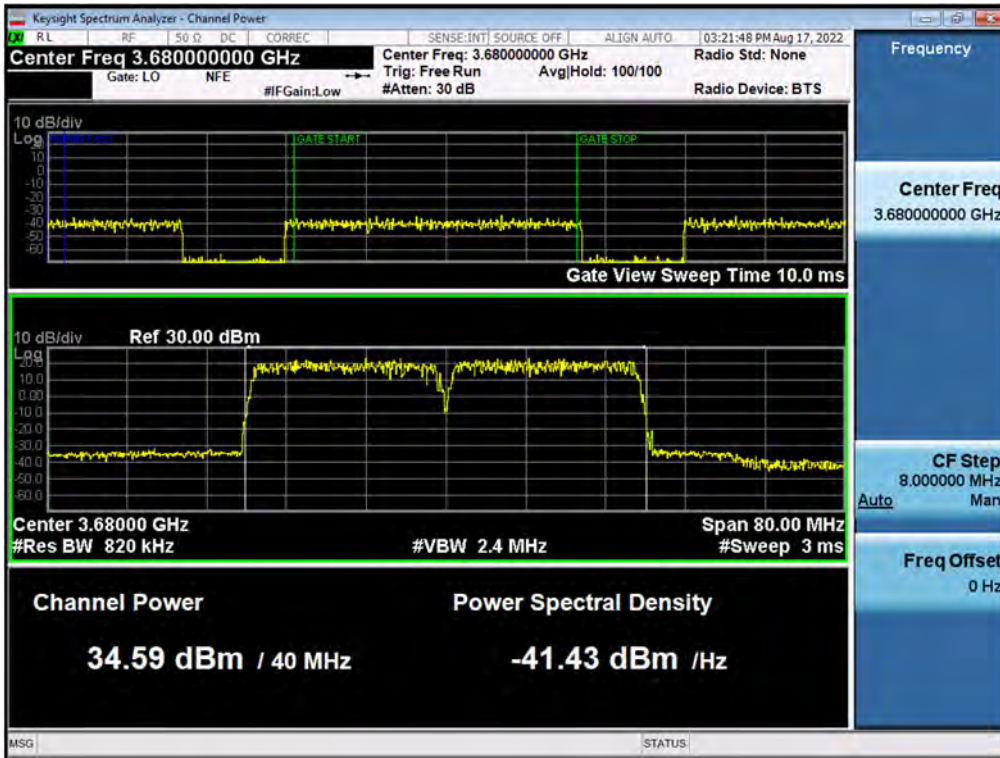
Antenna 3 / CBRS LTE[(20 MHz 1C + 15 MHz 1C) + 15 MHz 1C][3C(2C+1C)] / LTE 15 MHz 1C / Non-Contiguous / QPSK / High



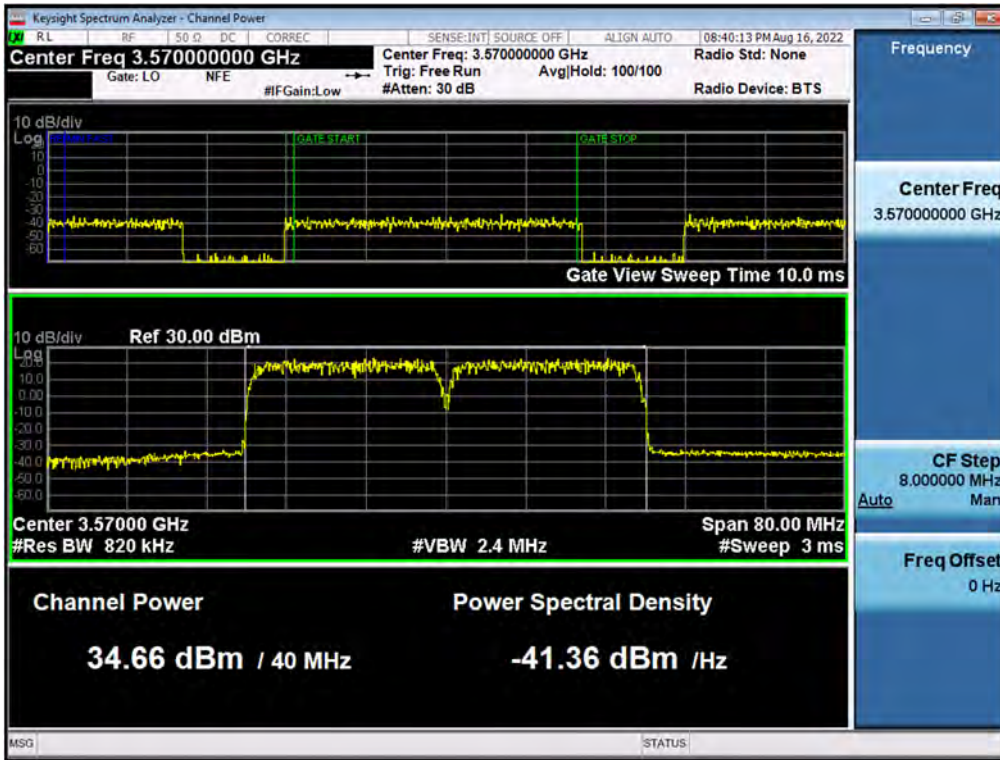
Antenna 3 / CBRS LTE[20 MHz 1C + (20 MHz 1C + 20 MHz 1C)][3C(1C+2C)] / LTE 20 MHz 1C / Non-Contiguous / QPSK / Low



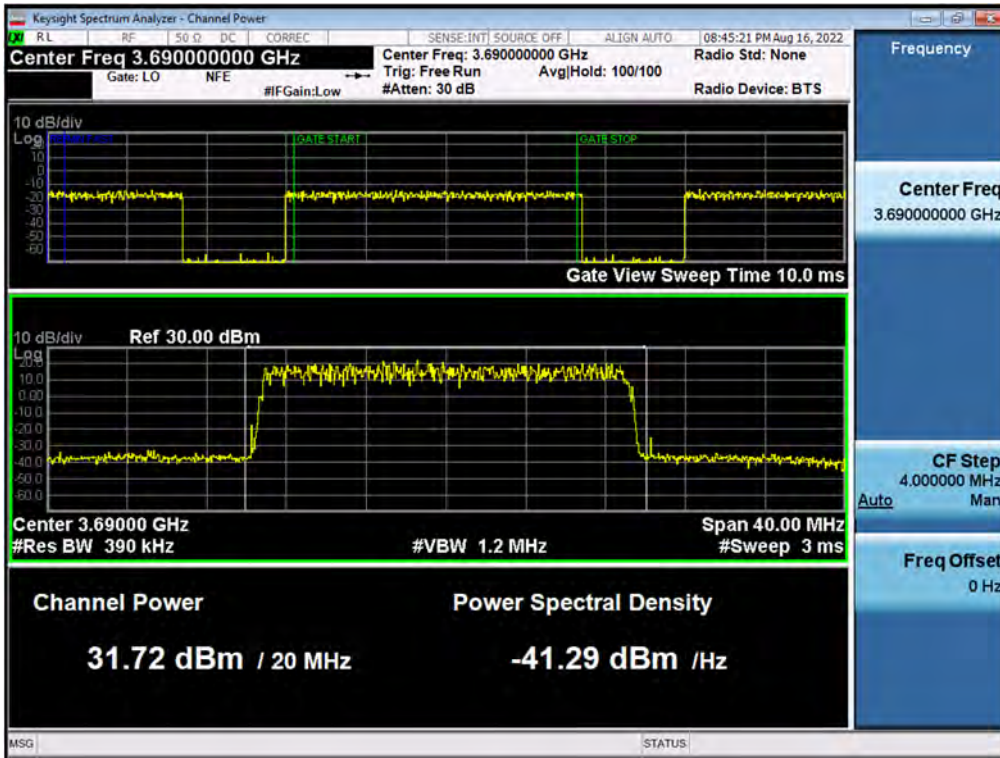
Antenna 3 / CBRS LTE[20 MHz 1C + (20 MHz 1C + 20 MHz 1C)][3C(1C+2C)] / LTE 20 MHz 1C + LTE 20 MHz 1C / Non-Contiguous / QPSK / High



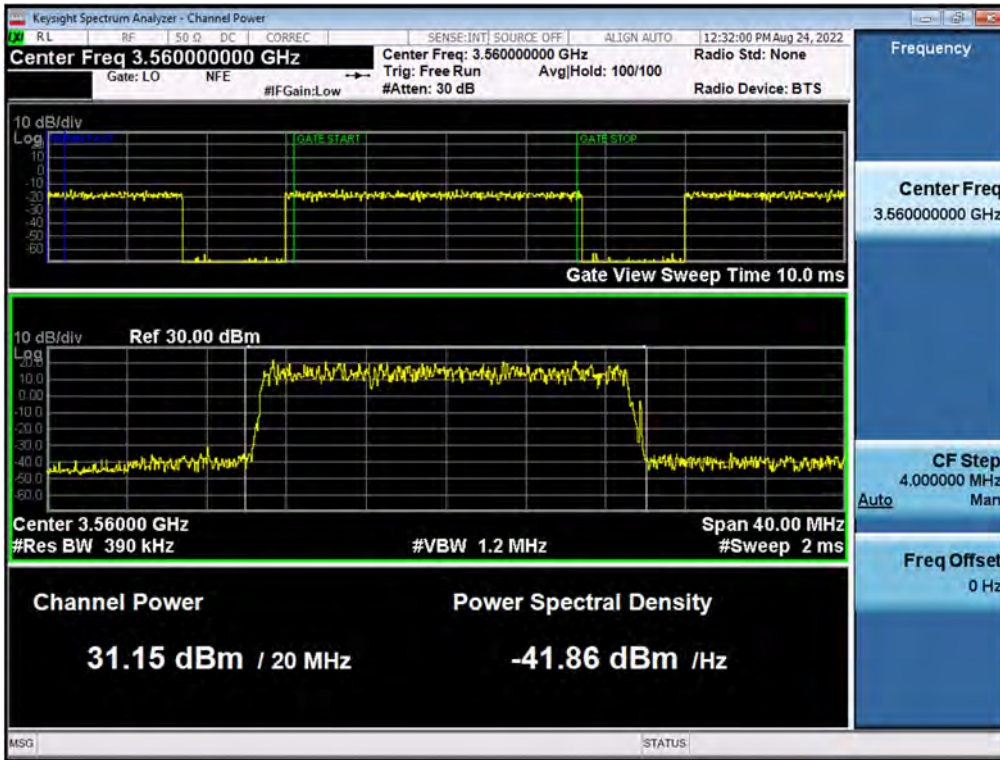
Antenna 3 / CBRS LTE[(20 MHz 1C + 20 MHz 1C) + 20 MHz 1C][3C(2C+1C)] / LTE 20 MHz 1C + LTE 20 MHz 1C / Non-Contiguous / QPSK / Low



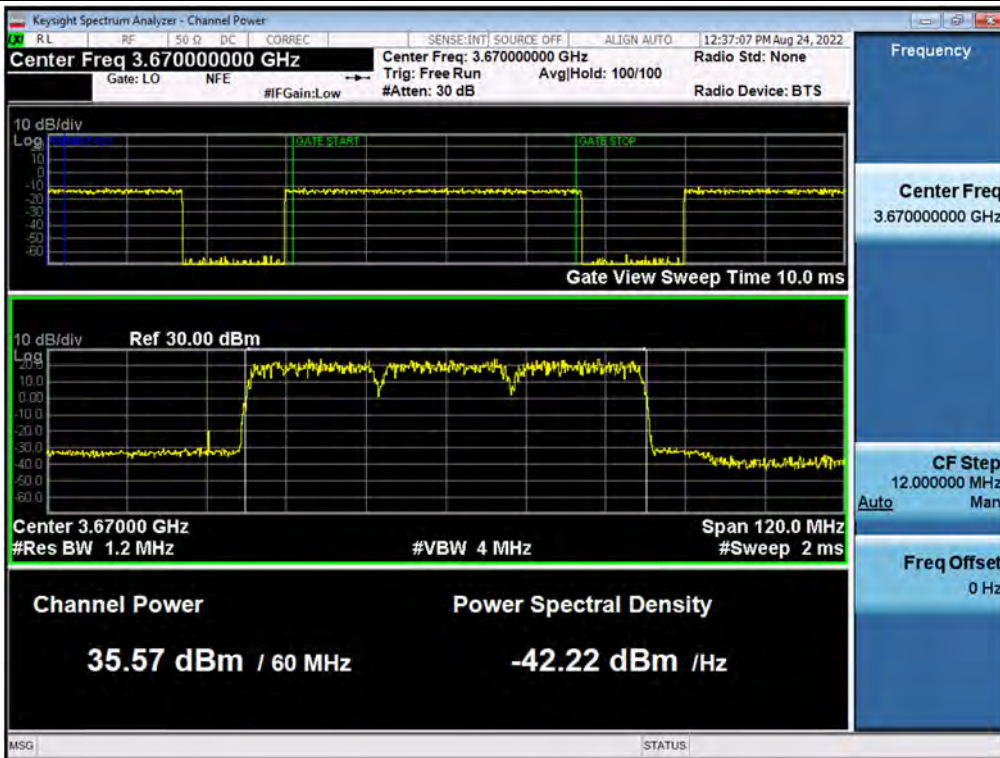
Antenna 3 / CBRS LTE[(20 MHz 1C + 20 MHz 1C) + 20 MHz 1C][3C(2C+1C)] / LTE 20 MHz 1C / Non-Contiguous / QPSK / High



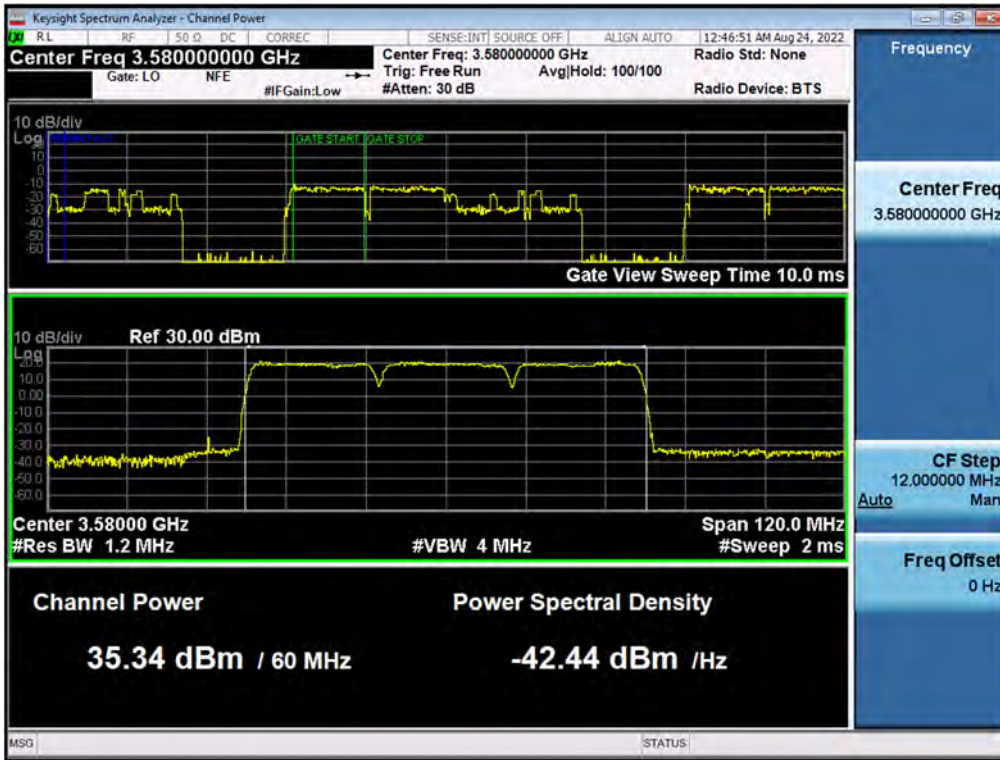
Antenna 3 / CBRS LTE[20 MHz 1C + (20 MHz 1C + 20 MHz 1C + 20 MHz 1C)][4C(1C+3C)] / LTE 20 MHz 1C / Non-Contiguous / QPSK / Low



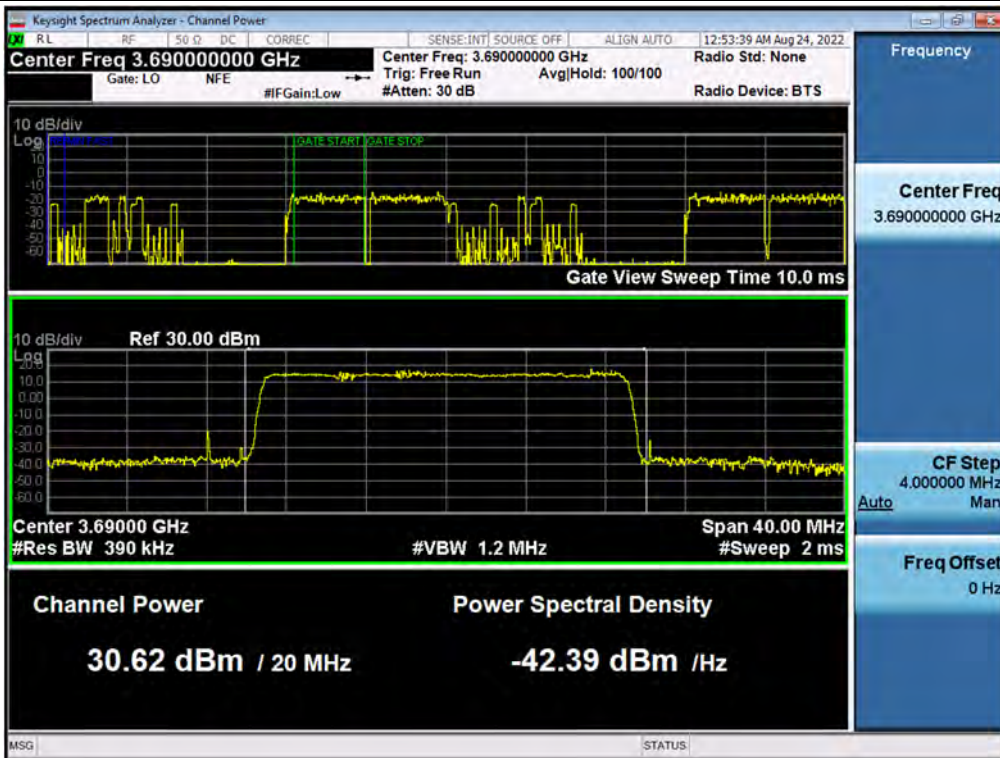
Antenna 3 / CBRS LTE[20 MHz 1C + (20 MHz 1C + 20 MHz 1C + 20 MHz 1C)][4C(1C+3C)] / LTE 20 MHz 1C + LTE 20 MHz 1C + LTE 20 MHz 1C / Non-Contiguous / QPSK / High



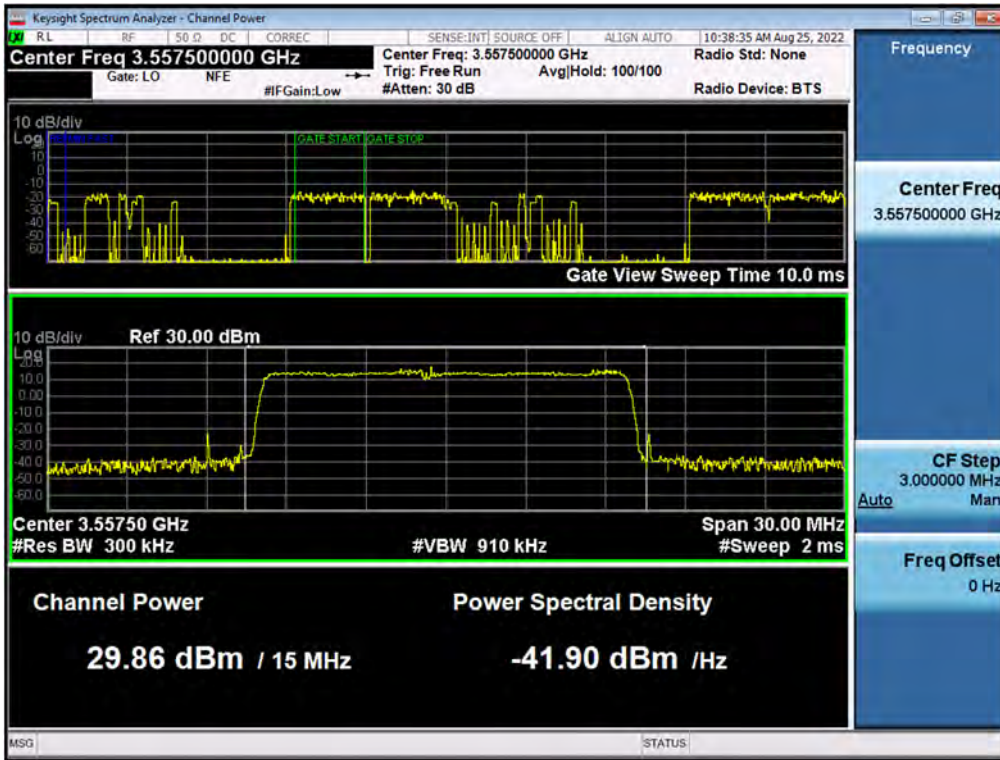
Antenna 3 / CBRS LTE[(20 MHz 1C + 20 MHz 1C + 20 MHz 1C) + 20 MHz 1C][4C(3C+1C)] / LTE 20 MHz 1C + LTE 20 MHz 1C +
LTE 20 MHz 1C / Non-Contiguous / 16QAM / Low



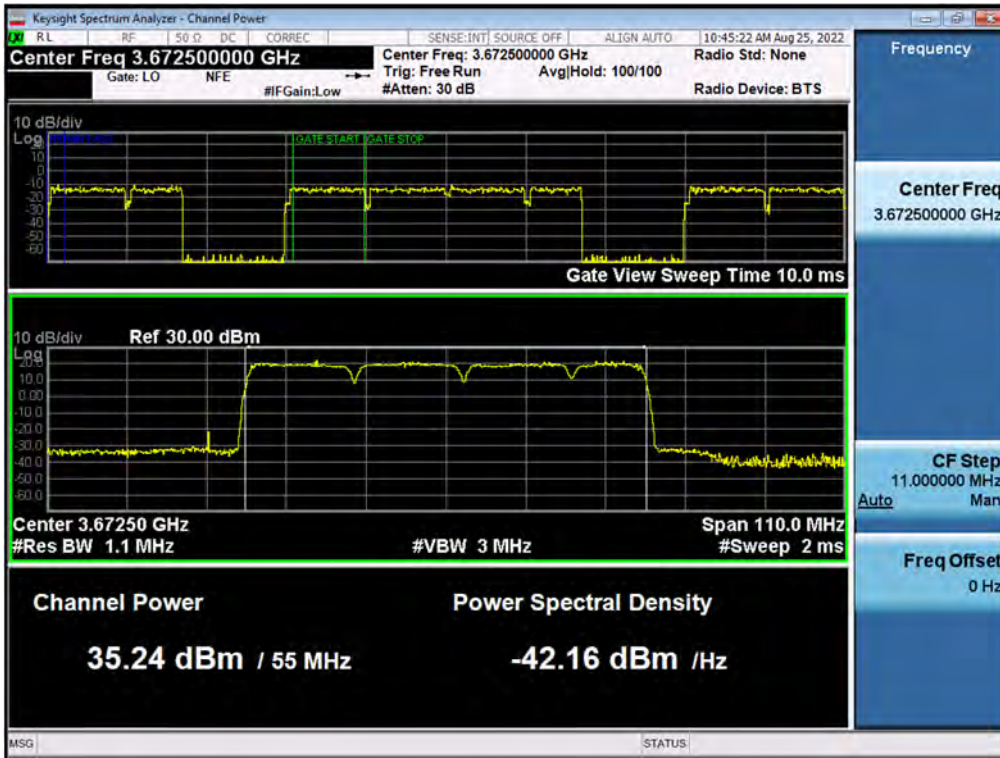
Antenna 3 / CBRS LTE[(20 MHz 1C + 20 MHz 1C + 20 MHz 1C) + 20 MHz 1C][4C(3C+1C)] / LTE 20 MHz 1C / Non-Contiguous
/ 16QAM / High



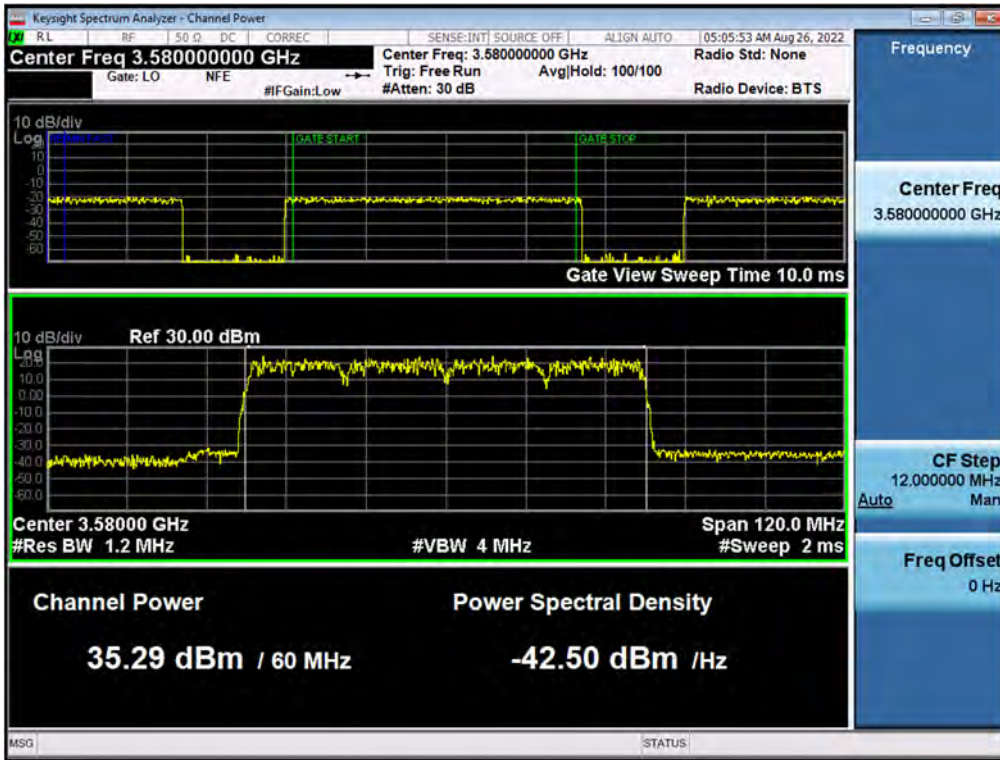
Antenna 3 / CBRS LTE[15 MHz 1C + (15 MHz 1C + 15 MHz 1C + 15 MHz 1C + 10 MHz 1C)][5C(1C+4C)] / LTE 15 MHz 1C / Non-Contiguous / 16QAM / Low



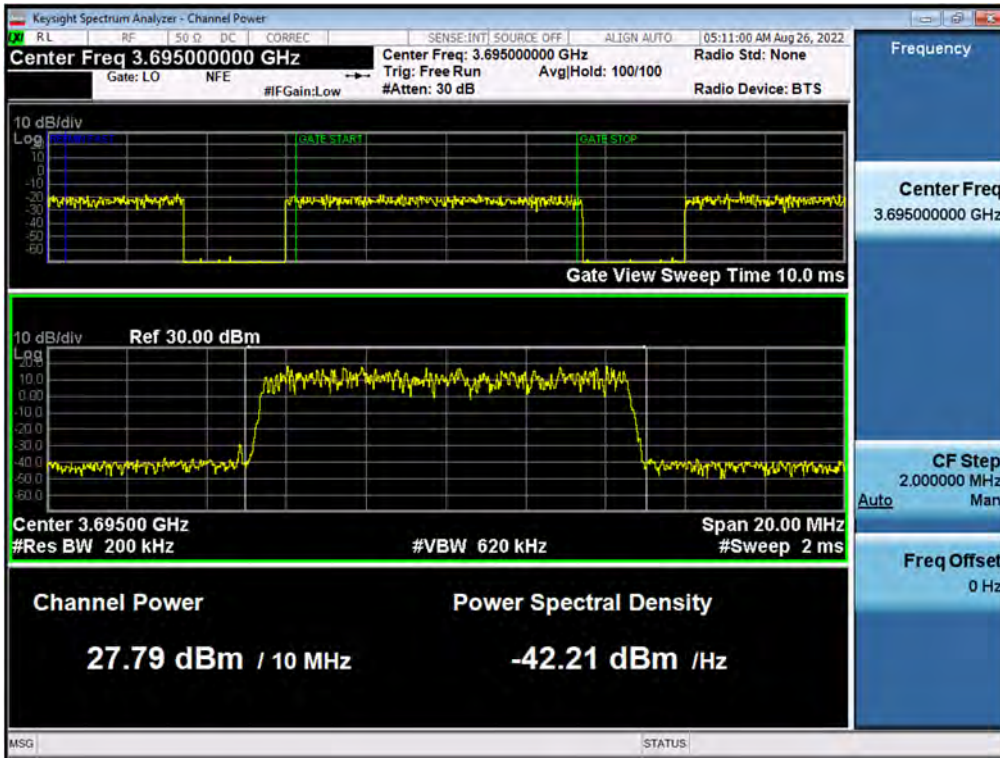
Antenna 3 / CBRS LTE[15 MHz 1C + (15 MHz 1C + 15 MHz 1C + 15 MHz 1C + 10 MHz 1C)][5C(1C+4C)] / LTE 15 MHz 1C + LTE 15 MHz 1C + LTE 15 MHz 1C + LTE 10 MHz 1C / Non-Contiguous / 16QAM / High



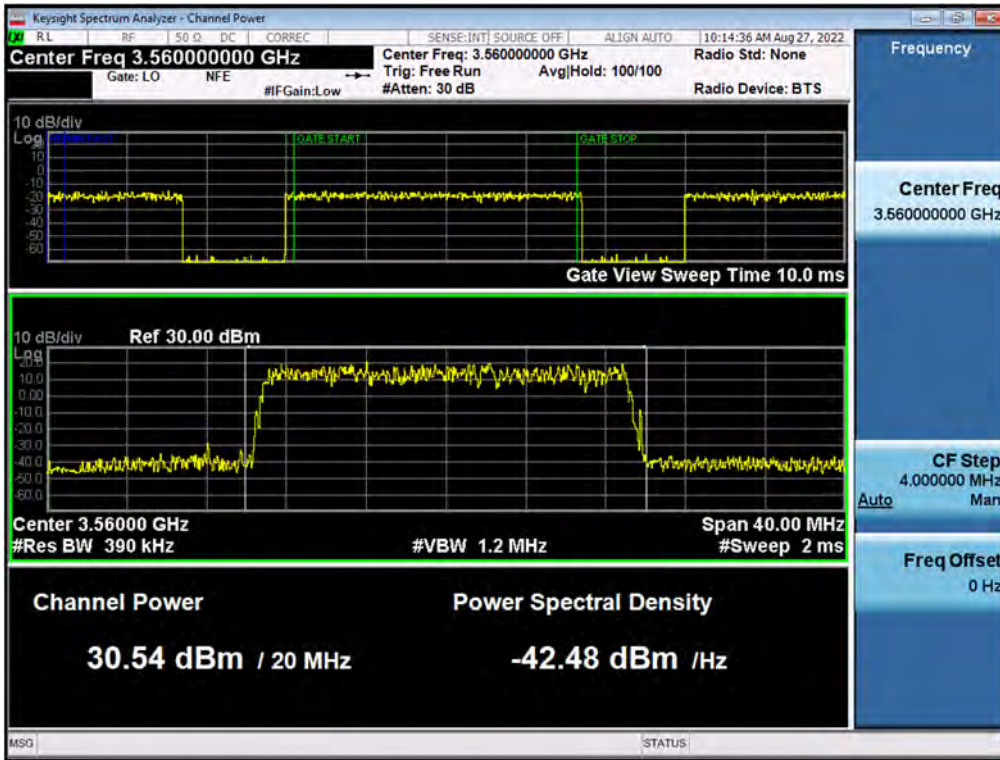
Antenna 3 / CBRS LTE[(15 MHz 1C + 15 MHz 1C + 15 MHz 1C + 15 MHz 1C) + 10 MHz 1C][5C(4C+1C)] / LTE 15 MHz 1C + LTE 15 MHz 1C + LTE 15 MHz 1C + LTE 15 MHz 1C / Non-Contiguous / 64QAM / Low



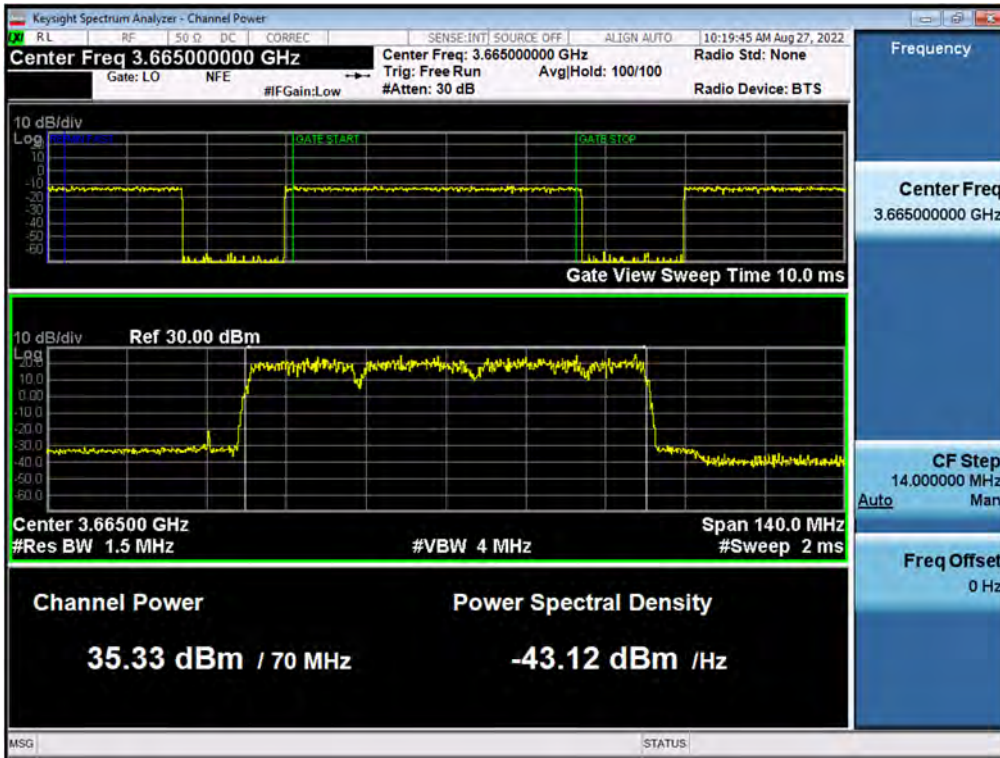
Antenna 3 / CBRS LTE[(15 MHz 1C + 15 MHz 1C + 15 MHz 1C + 15 MHz 1C) + 10 MHz 1C][5C(4C+1C)] / LTE 10 MHz 1C / Non-Contiguous / 64QAM / High



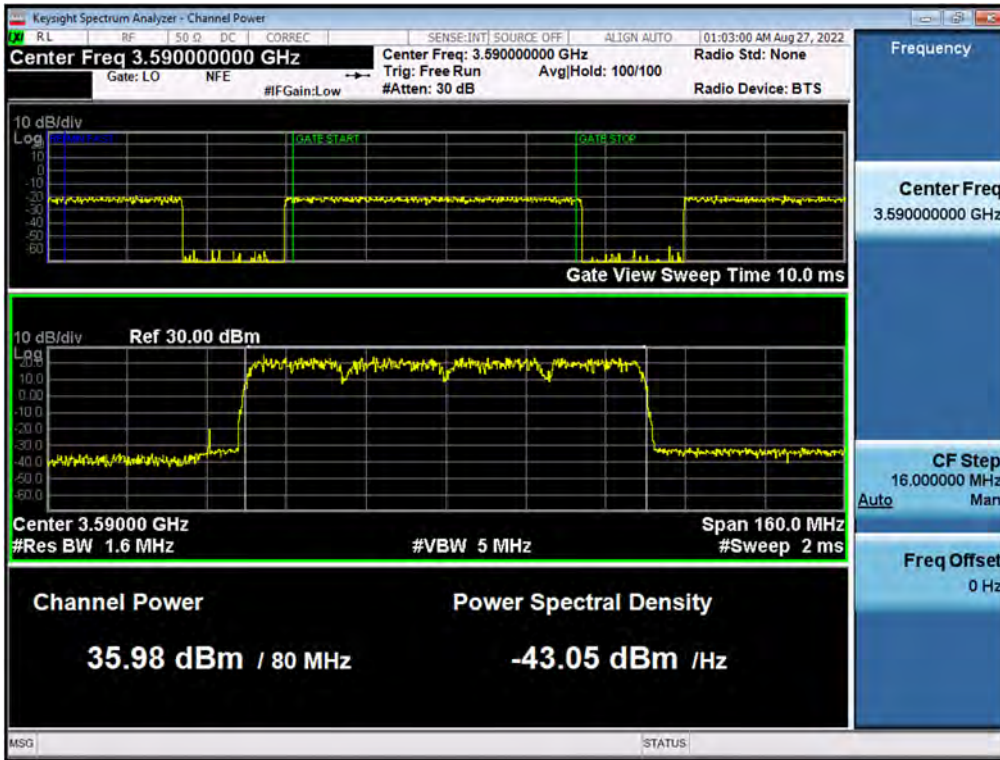
Antenna 3 / CBRS LTE[20 MHz 1C + (20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 10 MHz 1C)][5C(1C+4C)] / LTE 20 MHz 1C / Non-Contiguous / 256QAM / Low



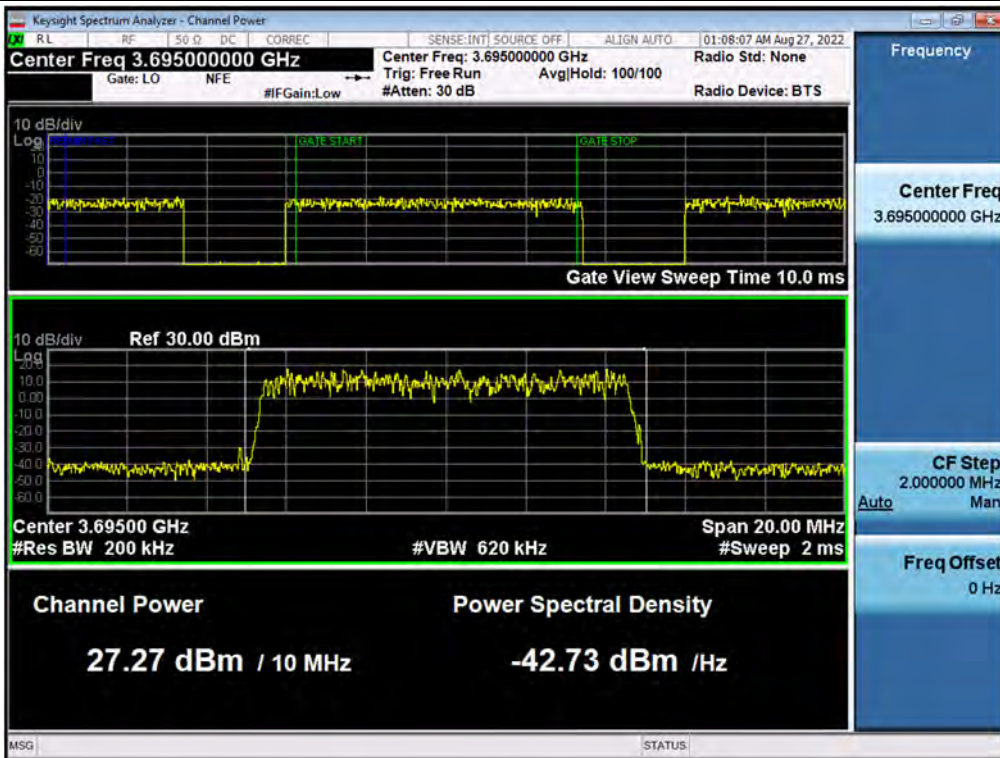
Antenna 3 / CBRS LTE[20 MHz 1C + (20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 10 MHz 1C)][5C(1C+4C)] / LTE 20 MHz 1C + LTE 20 MHz 1C + LTE 20 MHz 1C + LTE 10 MHz 1C / Non-Contiguous / 256QAM / High



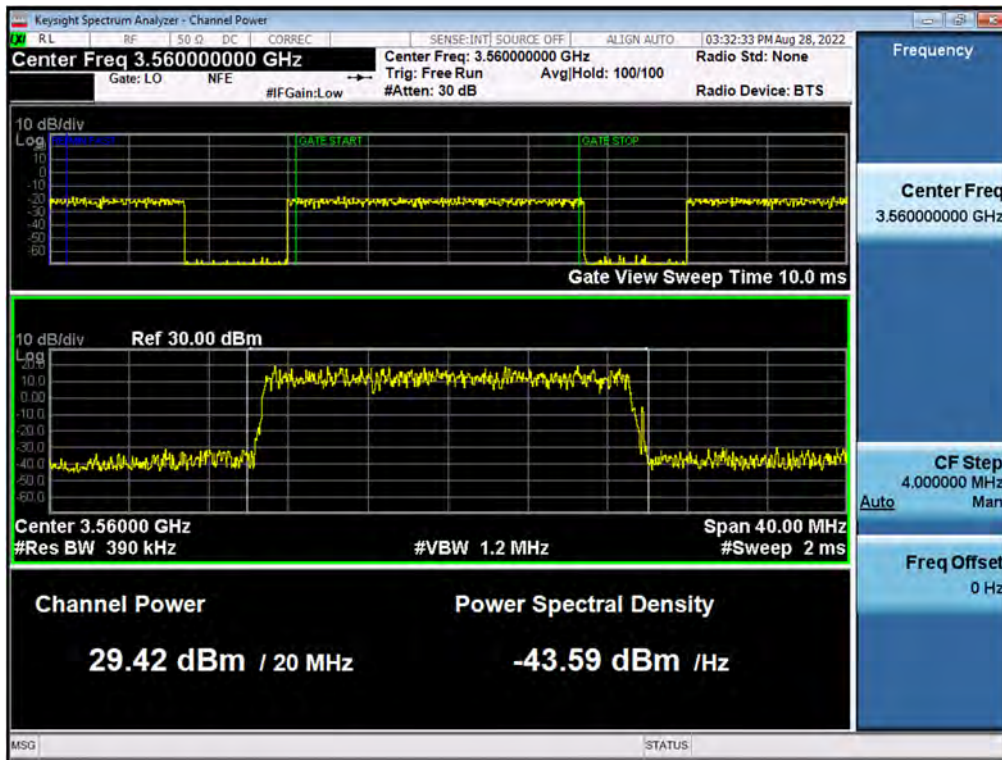
Antenna 3 / CBRS LTE[(20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C) + 10 MHz 1C][5C(4C+1C)] / LTE 20 MHz 1C + LTE 20 MHz 1C + LTE 20 MHz 1C + LTE 20 MHz 1C / Non-Contiguous / 64QAM / Low



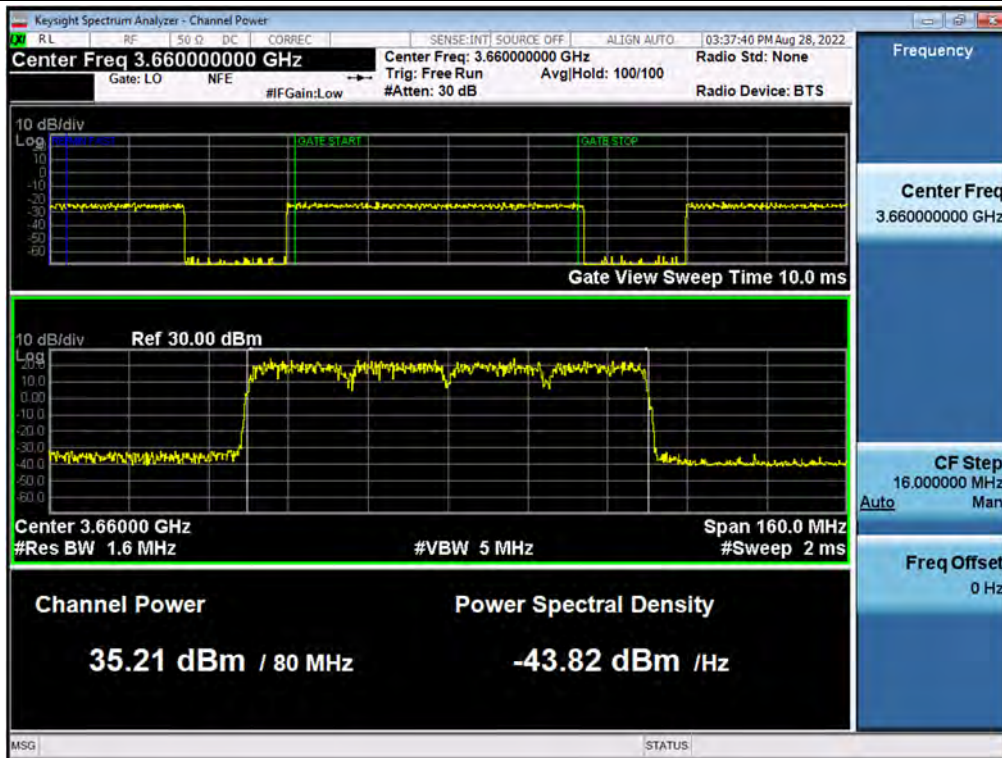
Antenna 3 / CBRS LTE[(20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C) + 10 MHz 1C][5C(4C+1C)] / LTE 10 MHz 1C / Non-Contiguous / 64QAM / High



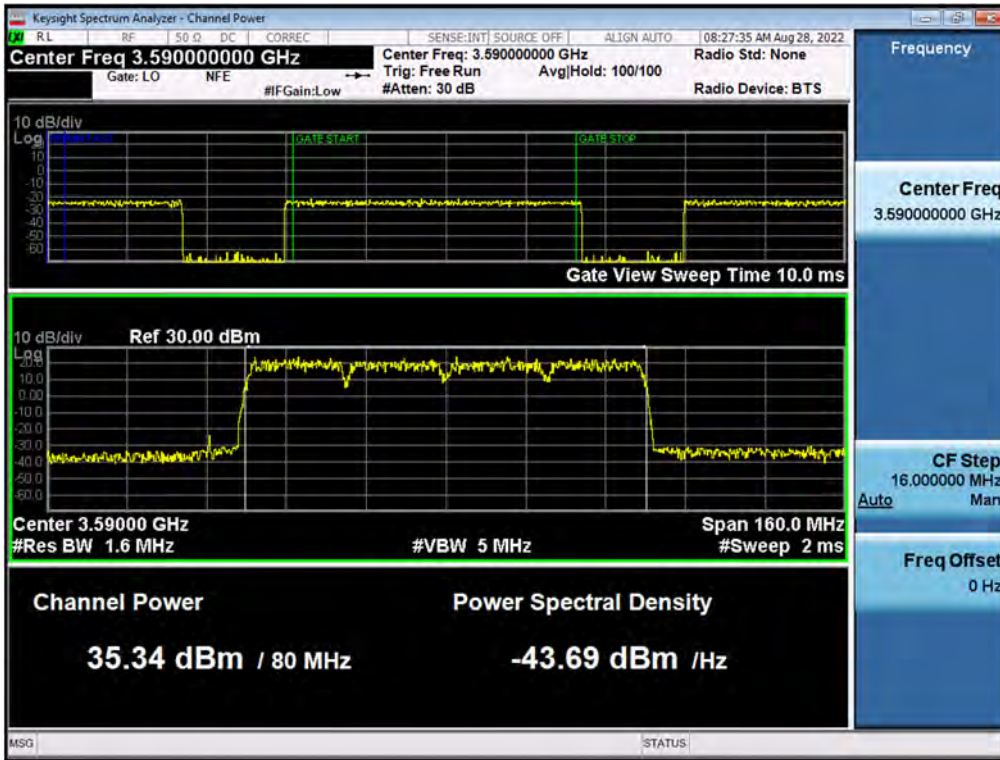
Antenna 0 / CBRS LTE[20 MHz 1C + (20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C)][5C(1C+4C)] / LTE 20 MHz 1C / Non-Contiguous / QPSK / Low



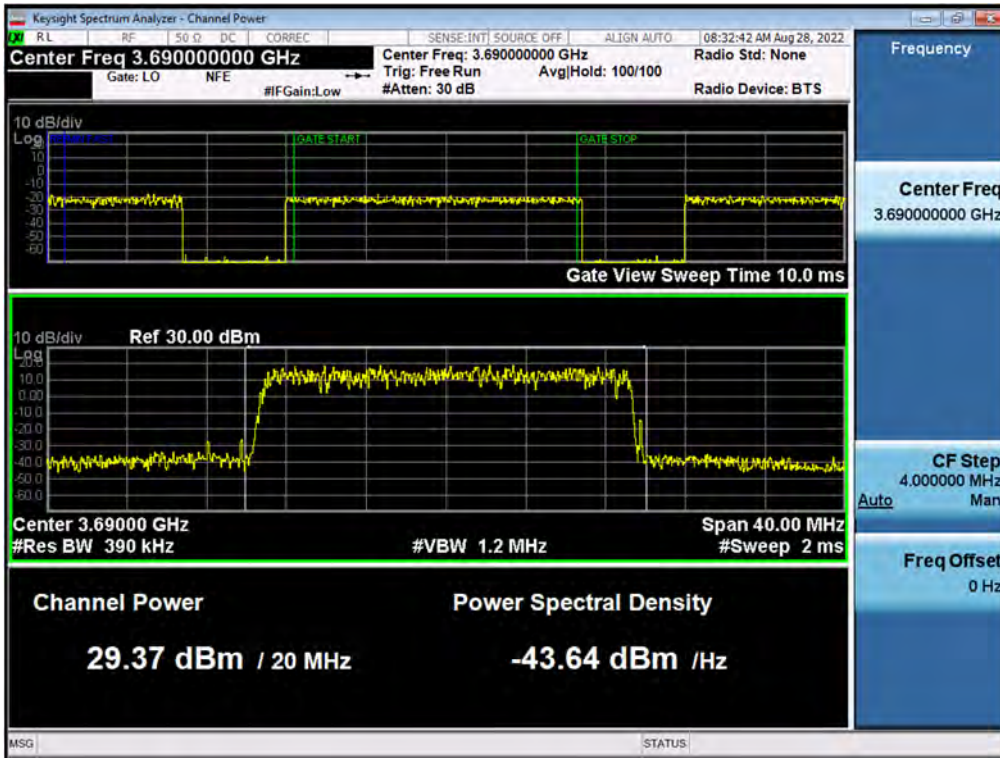
Antenna 0 / CBRS LTE[20 MHz 1C + (20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C)][5C(1C+4C)] / LTE 20 MHz 1C + LTE 20 MHz 1C + LTE 20 MHz 1C / Non-Contiguous / QPSK / High



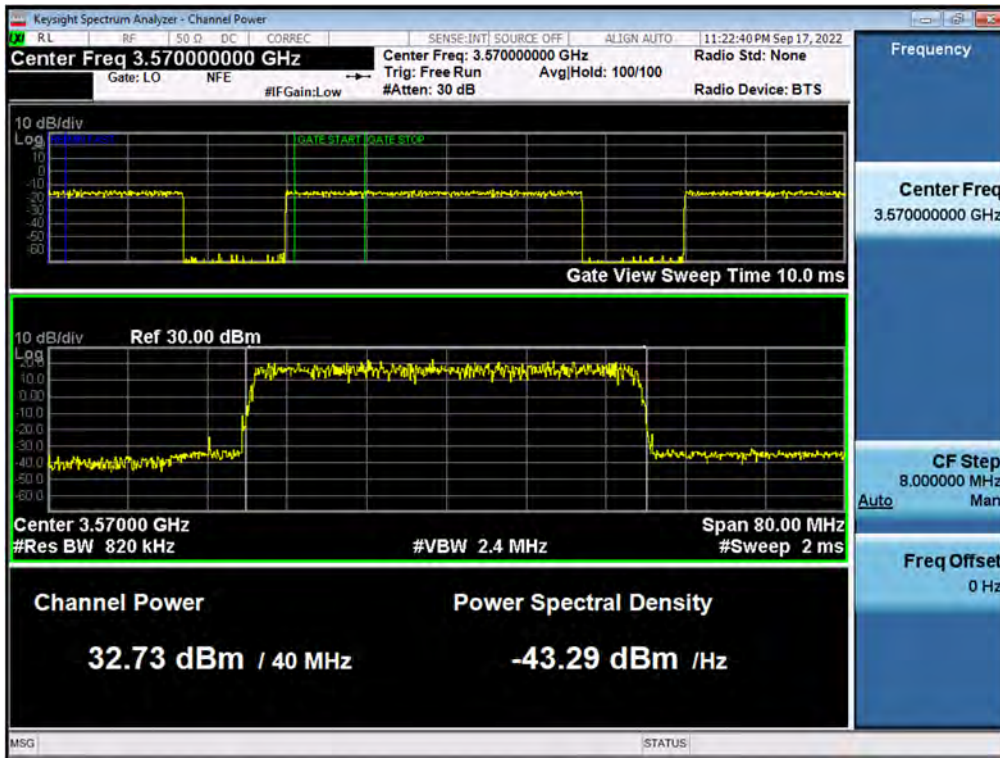
Antenna 1 / CBRS LTE[(20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C) + 20 MHz 1C][5C(4C+1C)] / LTE 20 MHz 1C + LTE 20 MHz 1C + LTE 20 MHz 1C + LTE 20 MHz 1C / Non-Contiguous / QPSK / Low



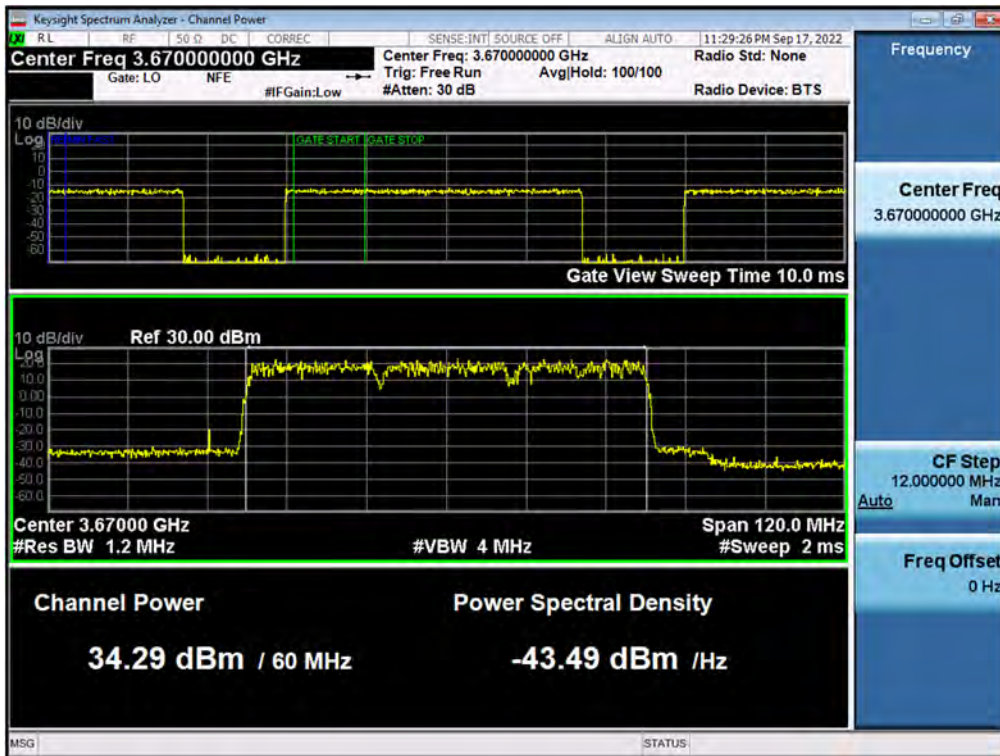
Antenna 1 / CBRS LTE[(20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C) + 20 MHz 1C][5C(4C+1C)] / LTE 20 MHz 1C / Non-Contiguous / QPSK / High



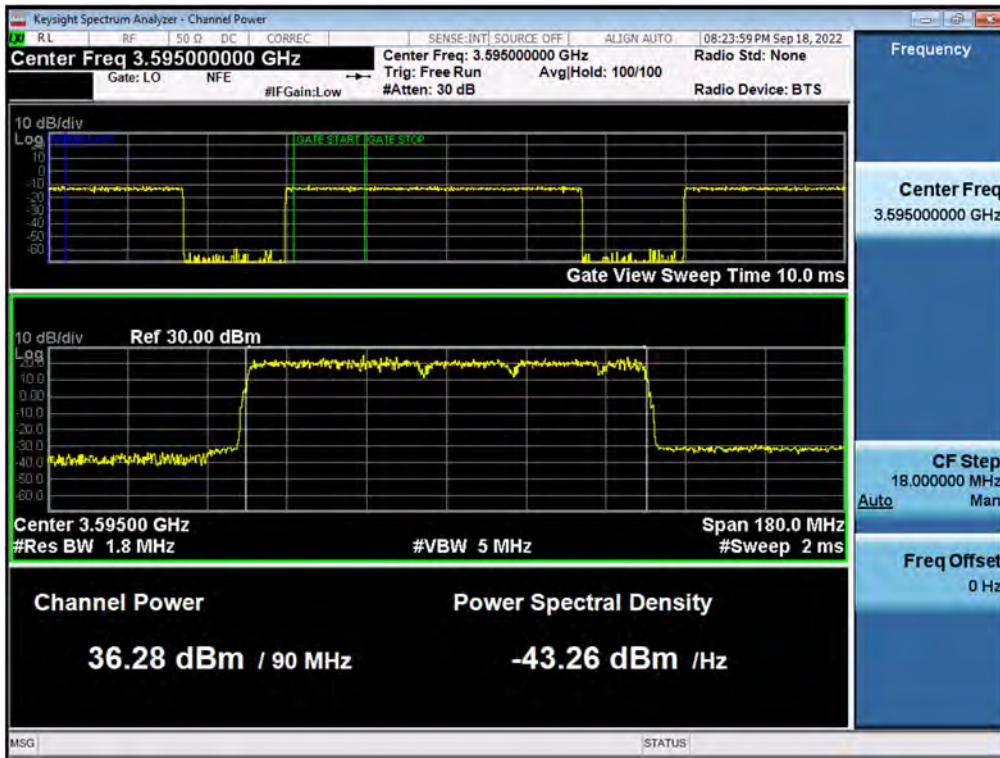
Antenna 3 / CBRS NR 40 MHz 1C + (NR 20 MHz 1C + NR 20 MHz 1C + LTE 10 MHz 1C + LTE 10 MHz 1C)[5C(1C+4C)] / LTE 10 MHz 1C / Non-Contiguous / 16QAM / Low



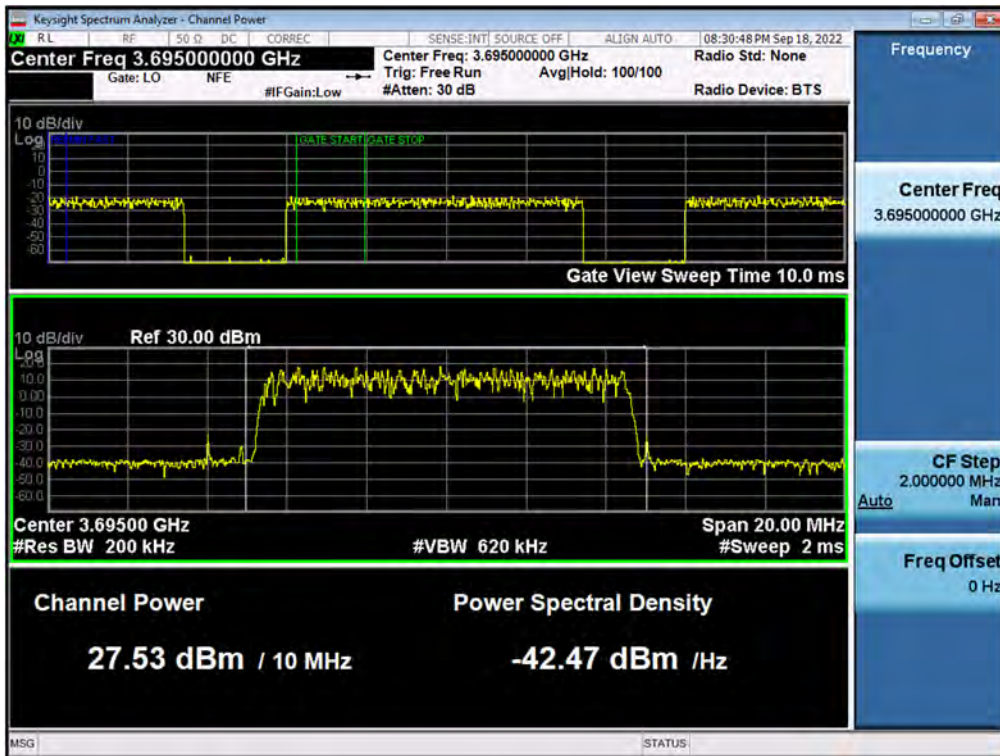
Antenna 3 / CBRS NR 40 MHz 1C + (NR 20 MHz 1C + NR 20 MHz 1C + LTE 10 MHz 1C + LTE 10 MHz 1C)[5C(1C+4C)] / NR 20 MHz 1C + NR 20 MHz 1C + LTE 10 MHz 1C + LTE 10 MHz 1C / Non-Contiguous / 16QAM / High



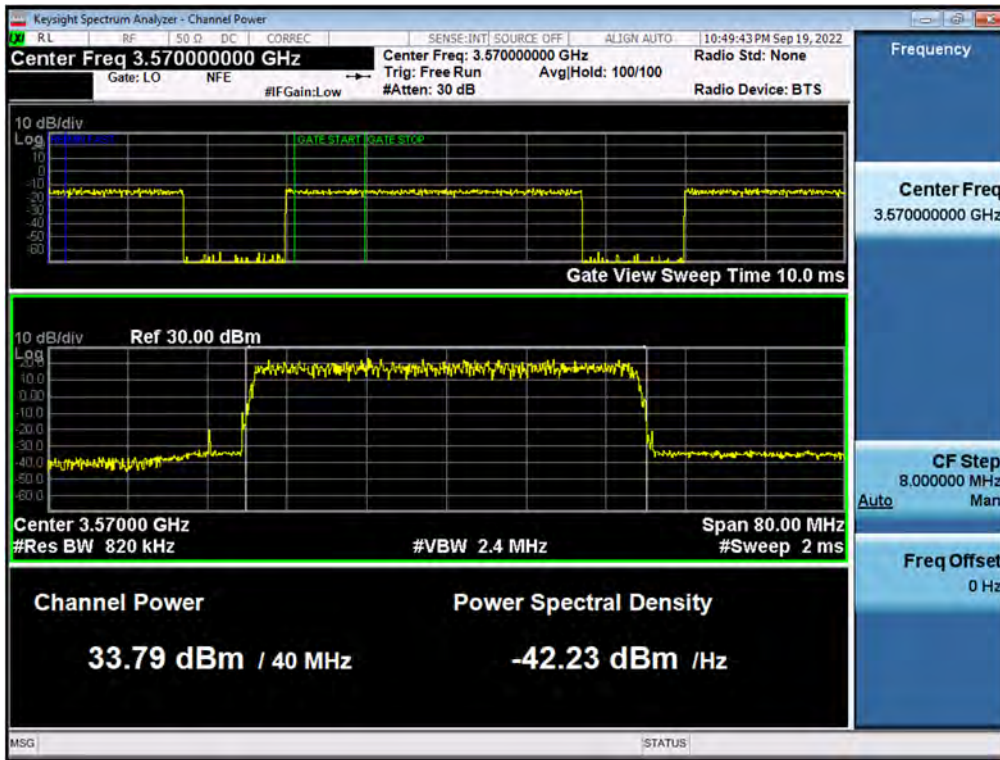
Antenna 3 / CBRS (NR 40 MHz 1C + NR 20 MHz 1C + NR 20 MHz 1C + LTE 10 MHz 1C) + LTE 10 MHz 1C[5C(1C+4C)] / NR 40 MHz 1C + NR 20 MHz 1C + NR 20 MHz 1C + LTE 10 MHz 1C / Non-Contiguous / 16QAM / Low



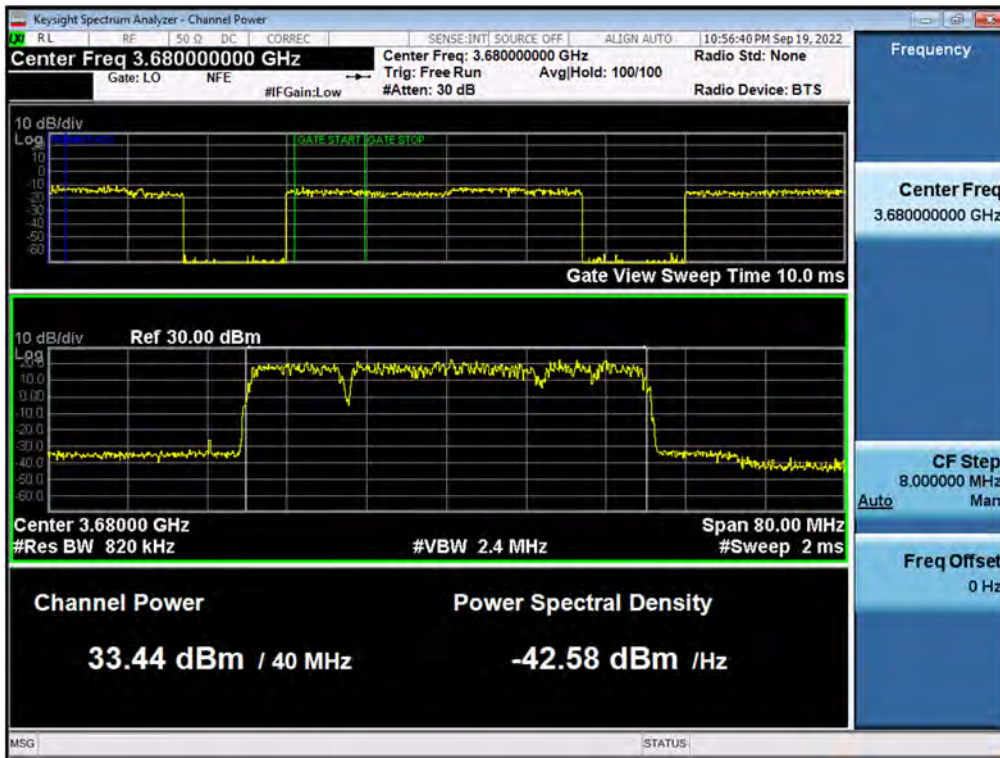
Antenna 3 / CBRS (NR 40 MHz 1C + NR 20 MHz 1C + NR 20 MHz 1C + LTE 10 MHz 1C) + LTE 10 MHz 1C[5C(1C+4C)] / LTE 10 MHz 1C / Non-Contiguous / 16QAM / High



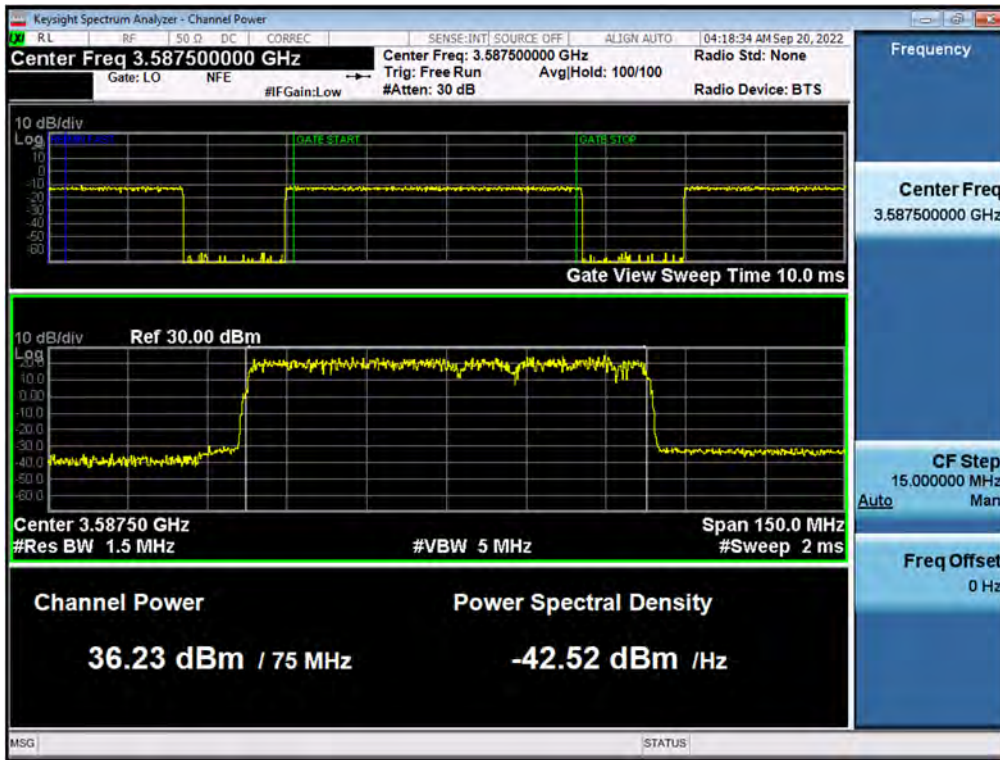
Antenna 3 / CBRS NR 40 MHz 1C + (NR 10 MHz 1C + LTE 20 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C)[5C(1C+4C)] / NR 40 MHz 1C / Non-Contiguous / 16QAM / Low



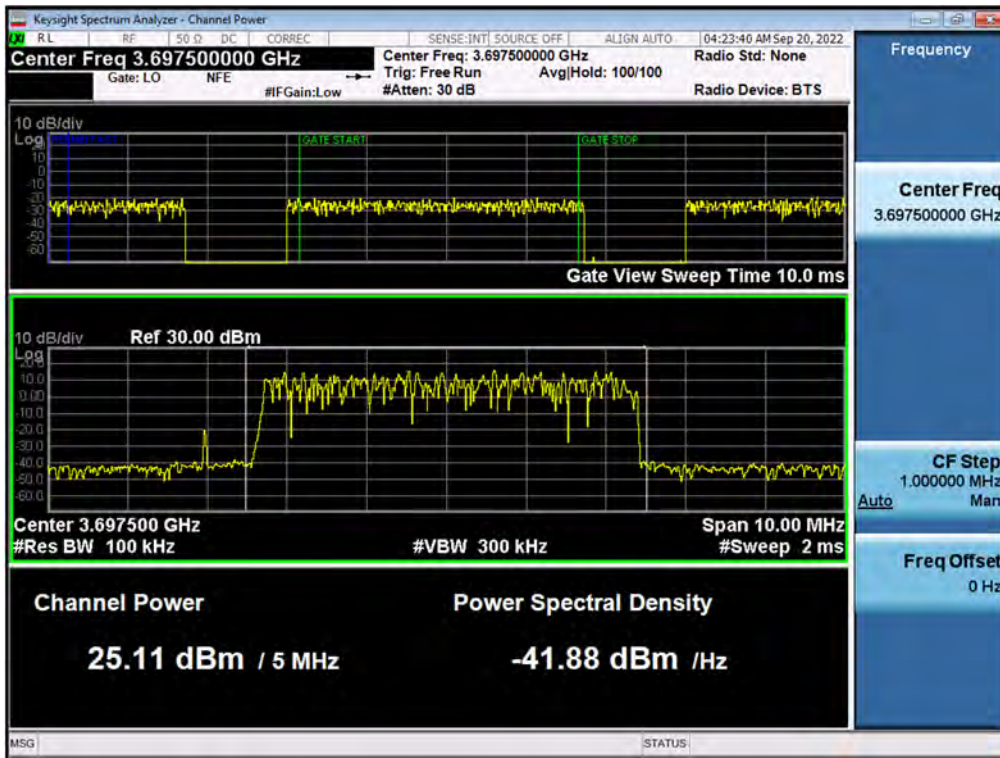
Antenna 3 / CBRS NR 40 MHz 1C + (NR 10 MHz 1C + LTE 20 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C)[5C(1C+4C)] / NR 10 MHz 1C + LTE 20 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C / Non-Contiguous / 16QAM / High



Antenna 3 / CBRS (NR 40 MHz 1C + NR 10 MHz 1C + LTE 20 MHz 1C + LTE 5 MHz 1C) + LTE 5 MHz 1C[5C(4C+1C)] / NR 40 MHz 1C + NR 10 MHz 1C + LTE 20 MHz 1C + LTE 5 MHz 1C / Non-Contiguous / QPSK / Low



Antenna 3 / CBRS (NR 40 MHz 1C + NR 10 MHz 1C + LTE 20 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 NR 10 MHz 1 Carrier

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|--------|--------|----------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | Low | 3 555.00 | 19.84 | 11.00 | 30.84 | 37 |
| | | Middle | 3 625.00 | 19.88 | 11.00 | 30.88 | |
| | | High | 3 695.00 | 19.87 | 11.00 | 30.87 | |
| | 16QAM | Low | 3 555.00 | 19.47 | 11.00 | 30.47 | |
| | | Middle | 3 625.00 | 19.92 | 11.00 | 30.92 | |
| | | High | 3 695.00 | 19.87 | 11.00 | 30.87 | |
| | 64QAM | Low | 3 555.00 | 19.88 | 11.00 | 30.88 | |
| | | Middle | 3 625.00 | 19.99 | 11.00 | 30.99 | |
| | | High | 3 695.00 | 19.98 | 11.00 | 30.98 | |
| | 256QAM | Low | 3 555.00 | 19.87 | 11.00 | 30.87 | |
| | | Middle | 3 625.00 | 19.81 | 11.00 | 30.81 | |
| | | High | 3 695.00 | 19.87 | 11.00 | 30.87 | |
| 1 | QPSK | Low | 3 555.00 | 19.86 | 11.00 | 30.86 | |
| | | Middle | 3 625.00 | 19.96 | 11.00 | 30.96 | |
| | | High | 3 695.00 | 19.96 | 11.00 | 30.96 | |
| | 16QAM | Low | 3 555.00 | 19.99 | 11.00 | 30.99 | |
| | | Middle | 3 625.00 | 19.88 | 11.00 | 30.88 | |
| | | High | 3 695.00 | 19.87 | 11.00 | 30.87 | |
| | 64QAM | Low | 3 555.00 | 19.84 | 11.00 | 30.84 | |
| | | Middle | 3 625.00 | 19.81 | 11.00 | 30.81 | |
| | | High | 3 695.00 | 19.96 | 11.00 | 30.96 | |
| 256QAM | Low | 3 555.00 | 19.94 | 11.00 | 30.94 | | |
| | Middle | 3 625.00 | 19.86 | 11.00 | 30.86 | | |
| | High | 3 695.00 | 19.87 | 11.00 | 30.87 | | |

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 2 | QPSK | Low | 3 555.00 | 19.88 | 11.00 | 30.88 | 37 |
| | | Middle | 3 625.00 | 19.80 | 11.00 | 30.80 | |
| | | High | 3 695.00 | 19.83 | 11.00 | 30.83 | |
| | 16QAM | Low | 3 555.00 | 19.86 | 11.00 | 30.86 | |
| | | Middle | 3 625.00 | 19.89 | 11.00 | 30.89 | |
| | | High | 3 695.00 | 19.88 | 11.00 | 30.88 | |
| | 64QAM | Low | 3 555.00 | 19.91 | 11.00 | 30.91 | |
| | | Middle | 3 625.00 | 19.96 | 11.00 | 30.96 | |
| | | High | 3 695.00 | 19.89 | 11.00 | 30.89 | |
| | 256QAM | Low | 3 555.00 | 19.86 | 11.00 | 30.86 | |
| | | Middle | 3 625.00 | 19.85 | 11.00 | 30.85 | |
| | | High | 3 695.00 | 19.87 | 11.00 | 30.87 | |
| 3 | QPSK | Low | 3 555.00 | 19.81 | 11.00 | 30.81 | |
| | | Middle | 3 625.00 | 19.82 | 11.00 | 30.82 | |
| | | High | 3 695.00 | 19.96 | 11.00 | 30.96 | |
| | 16QAM | Low | 3 555.00 | 19.86 | 11.00 | 30.86 | |
| | | Middle | 3 625.00 | 19.82 | 11.00 | 30.82 | |
| | | High | 3 695.00 | 19.88 | 11.00 | 30.88 | |
| | 64QAM | Low | 3 555.00 | 19.95 | 11.00 | 30.95 | |
| | | Middle | 3 625.00 | 19.82 | 11.00 | 30.82 | |
| | | High | 3 695.00 | 19.82 | 11.00 | 30.82 | |
| | 256QAM | Low | 3 555.00 | 19.82 | 11.00 | 30.82 | |
| | | Middle | 3 625.00 | 19.88 | 11.00 | 30.88 | |
| | | High | 3 695.00 | 19.88 | 11.00 | 30.88 | |

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|-----------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 555.00 | 36.87 | 36.82 | 36.92 | 36.89 | 37 |
| 3 625.00 | 36.89 | 36.90 | 36.92 | 36.87 | |
| 3 695.00 | 36.93 | 36.89 | 36.94 | 36.89 | |

CBRS NR 20 MHz 1 Carrier

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | Low | 3 560.00 | 19.95 | 11.00 | 30.95 | 37 |
| | | Middle | 3 625.00 | 19.96 | 11.00 | 30.96 | |
| | | High | 3 690.00 | 19.89 | 11.00 | 30.89 | |
| | 16QAM | Low | 3 560.00 | 19.96 | 11.00 | 30.96 | |
| | | Middle | 3 625.00 | 19.90 | 11.00 | 30.90 | |
| | | High | 3 690.00 | 19.93 | 11.00 | 30.93 | |
| | 64QAM | Low | 3 560.00 | 19.94 | 11.00 | 30.94 | |
| | | Middle | 3 625.00 | 19.98 | 11.00 | 30.98 | |
| | | High | 3 690.00 | 19.91 | 11.00 | 30.91 | |
| | 256QAM | Low | 3 560.00 | 19.95 | 11.00 | 30.95 | |
| | | Middle | 3 625.00 | 19.89 | 11.00 | 30.89 | |
| | | High | 3 690.00 | 19.98 | 11.00 | 30.98 | |
| 1 | QPSK | Low | 3 560.00 | 19.96 | 11.00 | 30.96 | |
| | | Middle | 3 625.00 | 19.96 | 11.00 | 30.96 | |
| | | High | 3 690.00 | 19.87 | 11.00 | 30.87 | |
| | 16QAM | Low | 3 560.00 | 19.97 | 11.00 | 30.97 | |
| | | Middle | 3 625.00 | 19.90 | 11.00 | 30.90 | |
| | | High | 3 690.00 | 19.90 | 11.00 | 30.90 | |
| | 64QAM | Low | 3 560.00 | 19.97 | 11.00 | 30.97 | |
| | | Middle | 3 625.00 | 19.98 | 11.00 | 30.98 | |
| | | High | 3 690.00 | 19.95 | 11.00 | 30.95 | |
| | 256QAM | Low | 3 560.00 | 19.92 | 11.00 | 30.92 | |
| | | Middle | 3 625.00 | 19.92 | 11.00 | 30.92 | |
| | | High | 3 690.00 | 19.99 | 11.00 | 30.99 | |

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 2 | QPSK | Low | 3 560.00 | 19.92 | 11.00 | 30.92 | 37 |
| | | Middle | 3 625.00 | 19.95 | 11.00 | 30.95 | |
| | | High | 3 690.00 | 19.95 | 11.00 | 30.95 | |
| | 16QAM | Low | 3 560.00 | 19.92 | 11.00 | 30.92 | |
| | | Middle | 3 625.00 | 19.91 | 11.00 | 30.91 | |
| | | High | 3 690.00 | 19.94 | 11.00 | 30.94 | |
| | 64QAM | Low | 3 560.00 | 19.97 | 11.00 | 30.97 | |
| | | Middle | 3 625.00 | 19.96 | 11.00 | 30.96 | |
| | | High | 3 690.00 | 19.91 | 11.00 | 30.91 | |
| | 256QAM | Low | 3 560.00 | 19.97 | 11.00 | 30.97 | |
| | | Middle | 3 625.00 | 19.90 | 11.00 | 30.90 | |
| | | High | 3 690.00 | 19.95 | 11.00 | 30.95 | |
| 3 | QPSK | Low | 3 560.00 | 19.89 | 11.00 | 30.89 | |
| | | Middle | 3 625.00 | 19.92 | 11.00 | 30.92 | |
| | | High | 3 690.00 | 19.82 | 11.00 | 30.82 | |
| | 16QAM | Low | 3 560.00 | 19.99 | 11.00 | 30.99 | |
| | | Middle | 3 625.00 | 19.99 | 11.00 | 30.99 | |
| | | High | 3 690.00 | 19.96 | 11.00 | 30.96 | |
| | 64QAM | Low | 3 560.00 | 19.89 | 11.00 | 30.89 | |
| | | Middle | 3 625.00 | 19.99 | 11.00 | 30.99 | |
| | | High | 3 690.00 | 19.94 | 11.00 | 30.94 | |
| | 256QAM | Low | 3 560.00 | 19.90 | 11.00 | 30.90 | |
| | | Middle | 3 625.00 | 19.91 | 11.00 | 30.91 | |
| | | High | 3 690.00 | 19.95 | 11.00 | 30.95 | |

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|-----------------|-----------|-------|--------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 560.00 | 36.95 | 36.98 | 36.96 | 36.95 | 37 |
| 3 625.00 | 36.97 | 36.95 | *37.00 | 36.93 | |
| 3 690.00 | 36.90 | 36.95 | 36.95 | 36.99 | |

* The value in this table is rounded-off. (The actual value is '36.9991082833175'.)

CBRS NR 30 MHz 1 Carrier

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | Low | 3 565.00 | 18.93 | 12.00 | 29.93 | 37 |
| | | Middle | 3 625.00 | 18.99 | 12.00 | 29.99 | |
| | | High | 3 685.00 | 18.89 | 12.00 | 29.89 | |
| | 16QAM | Low | 3 565.00 | 18.98 | 12.00 | 29.98 | |
| | | Middle | 3 625.00 | 18.99 | 12.00 | 29.99 | |
| | | High | 3 685.00 | 18.88 | 12.00 | 29.88 | |
| | 64QAM | Low | 3 565.00 | 18.94 | 12.00 | 29.94 | |
| | | Middle | 3 625.00 | 19.00 | 12.00 | 30.00 | |
| | | High | 3 685.00 | 18.89 | 12.00 | 29.89 | |
| | 256QAM | Low | 3 565.00 | 18.96 | 12.00 | 29.96 | |
| | | Middle | 3 625.00 | 18.92 | 12.00 | 29.92 | |
| | | High | 3 685.00 | 18.91 | 12.00 | 29.91 | |
| 1 | QPSK | Low | 3 565.00 | 18.91 | 12.00 | 29.91 | |
| | | Middle | 3 625.00 | 18.95 | 12.00 | 29.95 | |
| | | High | 3 685.00 | 18.71 | 12.00 | 29.71 | |
| | 16QAM | Low | 3 565.00 | 18.96 | 12.00 | 29.96 | |
| | | Middle | 3 625.00 | 18.95 | 12.00 | 29.95 | |
| | | High | 3 685.00 | 18.85 | 12.00 | 29.85 | |
| | 64QAM | Low | 3 565.00 | 18.98 | 12.00 | 29.98 | |
| | | Middle | 3 625.00 | 18.98 | 12.00 | 29.98 | |
| | | High | 3 685.00 | 18.77 | 12.00 | 29.77 | |
| | 256QAM | Low | 3 565.00 | 18.95 | 12.00 | 29.95 | |
| | | Middle | 3 625.00 | 18.92 | 12.00 | 29.92 | |
| | | High | 3 685.00 | 18.87 | 12.00 | 29.87 | |

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 2 | QPSK | Low | 3 565.00 | 18.93 | 12.00 | 29.93 | 37 |
| | | Middle | 3 625.00 | 18.94 | 12.00 | 29.94 | |
| | | High | 3 685.00 | 18.89 | 12.00 | 29.89 | |
| | 16QAM | Low | 3 565.00 | 18.94 | 12.00 | 29.94 | |
| | | Middle | 3 625.00 | 18.96 | 12.00 | 29.96 | |
| | | High | 3 685.00 | 18.96 | 12.00 | 29.96 | |
| | 64QAM | Low | 3 565.00 | 18.96 | 12.00 | 29.96 | |
| | | Middle | 3 625.00 | 18.96 | 12.00 | 29.96 | |
| | | High | 3 685.00 | 18.98 | 12.00 | 29.98 | |
| | 256QAM | Low | 3 565.00 | 18.95 | 12.00 | 29.95 | |
| | | Middle | 3 625.00 | 18.99 | 12.00 | 29.99 | |
| | | High | 3 685.00 | 18.95 | 12.00 | 29.95 | |
| 3 | QPSK | Low | 3 565.00 | 18.97 | 12.00 | 29.97 | |
| | | Middle | 3 625.00 | 18.93 | 12.00 | 29.93 | |
| | | High | 3 685.00 | 18.73 | 12.00 | 29.73 | |
| | 16QAM | Low | 3 565.00 | 18.99 | 12.00 | 29.99 | |
| | | Middle | 3 625.00 | 18.95 | 12.00 | 29.95 | |
| | | High | 3 685.00 | 18.81 | 12.00 | 29.81 | |
| | 64QAM | Low | 3 565.00 | 18.92 | 12.00 | 29.92 | |
| | | Middle | 3 625.00 | 18.97 | 12.00 | 29.97 | |
| | | High | 3 685.00 | 18.74 | 12.00 | 29.74 | |
| | 256QAM | Low | 3 565.00 | 18.94 | 12.00 | 29.94 | |
| | | Middle | 3 625.00 | 18.94 | 12.00 | 29.94 | |
| | | High | 3 685.00 | 18.80 | 12.00 | 29.80 | |

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|-----------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 565.00 | 36.96 | 36.99 | 36.97 | 36.97 | 37 |
| 3 625.00 | 36.97 | 36.98 | 37.00 | 36.96 | |
| 3 685.00 | 36.83 | 36.90 | 36.87 | 36.90 | |

CBRS NR 40 MHz 1 Carrier

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | Low | 3 570.00 | 18.96 | 12.00 | 29.96 | 37 |
| | | Middle | 3 625.00 | 18.94 | 12.00 | 29.94 | |
| | | High | 3 680.00 | 18.97 | 12.00 | 29.97 | |
| | 16QAM | Low | 3 570.00 | 18.98 | 12.00 | 29.98 | |
| | | Middle | 3 625.00 | 18.98 | 12.00 | 29.98 | |
| | | High | 3 680.00 | 18.95 | 12.00 | 29.95 | |
| | 64QAM | Low | 3 570.00 | 18.98 | 12.00 | 29.98 | |
| | | Middle | 3 625.00 | 18.92 | 12.00 | 29.92 | |
| | | High | 3 680.00 | 18.90 | 12.00 | 29.90 | |
| | 256QAM | Low | 3 570.00 | 18.91 | 12.00 | 29.91 | |
| | | Middle | 3 625.00 | 18.93 | 12.00 | 29.93 | |
| | | High | 3 680.00 | 18.94 | 12.00 | 29.94 | |
| 1 | QPSK | Low | 3 570.00 | 18.92 | 12.00 | 29.92 | |
| | | Middle | 3 625.00 | 18.77 | 12.00 | 29.77 | |
| | | High | 3 680.00 | 18.79 | 12.00 | 29.79 | |
| | 16QAM | Low | 3 570.00 | 18.93 | 12.00 | 29.93 | |
| | | Middle | 3 625.00 | 18.89 | 12.00 | 29.89 | |
| | | High | 3 680.00 | 18.94 | 12.00 | 29.94 | |
| | 64QAM | Low | 3 570.00 | 18.96 | 12.00 | 29.96 | |
| | | Middle | 3 625.00 | 18.86 | 12.00 | 29.86 | |
| | | High | 3 680.00 | 18.84 | 12.00 | 29.84 | |
| | 256QAM | Low | 3 570.00 | 18.98 | 12.00 | 29.98 | |
| | | Middle | 3 625.00 | 18.97 | 12.00 | 29.97 | |
| | | High | 3 680.00 | 18.89 | 12.00 | 29.89 | |

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 2 | QPSK | Low | 3 570.00 | 18.94 | 12.00 | 29.94 | 37 |
| | | Middle | 3 625.00 | 18.79 | 12.00 | 29.79 | |
| | | High | 3 680.00 | 18.91 | 12.00 | 29.91 | |
| | 16QAM | Low | 3 570.00 | 18.92 | 12.00 | 29.92 | |
| | | Middle | 3 625.00 | 18.90 | 12.00 | 29.90 | |
| | | High | 3 680.00 | 18.90 | 12.00 | 29.90 | |
| | 64QAM | Low | 3 570.00 | 18.92 | 12.00 | 29.92 | |
| | | Middle | 3 625.00 | 18.90 | 12.00 | 29.90 | |
| | | High | 3 680.00 | 18.87 | 12.00 | 29.87 | |
| | 256QAM | Low | 3 570.00 | 18.85 | 12.00 | 29.85 | |
| | | Middle | 3 625.00 | 18.71 | 12.00 | 29.71 | |
| | | High | 3 680.00 | 18.92 | 12.00 | 29.92 | |
| 3 | QPSK | Low | 3 570.00 | 18.92 | 12.00 | 29.92 | |
| | | Middle | 3 625.00 | 18.85 | 12.00 | 29.85 | |
| | | High | 3 680.00 | 18.77 | 12.00 | 29.77 | |
| | 16QAM | Low | 3 570.00 | 18.90 | 12.00 | 29.90 | |
| | | Middle | 3 625.00 | 18.93 | 12.00 | 29.93 | |
| | | High | 3 680.00 | 18.71 | 12.00 | 29.71 | |
| | 64QAM | Low | 3 570.00 | 18.88 | 12.00 | 29.88 | |
| | | Middle | 3 625.00 | 18.95 | 12.00 | 29.95 | |
| | | High | 3 680.00 | 18.84 | 12.00 | 29.84 | |
| | 256QAM | Low | 3 570.00 | 18.83 | 12.00 | 29.83 | |
| | | Middle | 3 625.00 | 18.91 | 12.00 | 29.91 | |
| | | High | 3 680.00 | 18.76 | 12.00 | 29.76 | |

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|-----------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 570.00 | 36.95 | 36.95 | 36.96 | 36.91 | 37 |
| 3 625.00 | 36.86 | 36.95 | 36.93 | 36.90 | |
| 3 680.00 | 36.88 | 36.90 | 36.88 | 36.90 | |

CBRS NR 60 MHz 1 Carrier

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | Low | 3 580.00 | 18.62 | 12.00 | 29.62 | 37 |
| | | Middle | 3 625.00 | 18.79 | 12.00 | 29.79 | |
| | | High | 3 670.00 | 18.89 | 12.00 | 29.89 | |
| | 16QAM | Low | 3 580.00 | 18.65 | 12.00 | 29.65 | |
| | | Middle | 3 625.00 | 18.97 | 12.00 | 29.97 | |
| | | High | 3 670.00 | 18.99 | 12.00 | 29.99 | |
| | 64QAM | Low | 3 580.00 | 18.97 | 12.00 | 29.97 | |
| | | Middle | 3 625.00 | 18.97 | 12.00 | 29.97 | |
| | | High | 3 670.00 | 18.84 | 12.00 | 29.84 | |
| | 256QAM | Low | 3 580.00 | 18.97 | 12.00 | 29.97 | |
| | | Middle | 3 625.00 | 18.94 | 12.00 | 29.94 | |
| | | High | 3 670.00 | 18.83 | 12.00 | 29.83 | |
| 1 | QPSK | Low | 3 580.00 | 18.67 | 12.00 | 29.67 | |
| | | Middle | 3 625.00 | 18.69 | 12.00 | 29.69 | |
| | | High | 3 670.00 | 18.85 | 12.00 | 29.85 | |
| | 16QAM | Low | 3 580.00 | 18.98 | 12.00 | 29.98 | |
| | | Middle | 3 625.00 | 18.92 | 12.00 | 29.92 | |
| | | High | 3 670.00 | 18.85 | 12.00 | 29.85 | |
| | 64QAM | Low | 3 580.00 | 18.92 | 12.00 | 29.92 | |
| | | Middle | 3 625.00 | 18.97 | 12.00 | 29.97 | |
| | | High | 3 670.00 | 18.78 | 12.00 | 29.78 | |
| | 256QAM | Low | 3 580.00 | 18.76 | 12.00 | 29.76 | |
| | | Middle | 3 625.00 | 18.87 | 12.00 | 29.87 | |
| | | High | 3 670.00 | 18.74 | 12.00 | 29.74 | |

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 2 | QPSK | Low | 3 580.00 | 18.69 | 12.00 | 29.69 | 37 |
| | | Middle | 3 625.00 | 18.99 | 12.00 | 29.99 | |
| | | High | 3 670.00 | 18.99 | 12.00 | 29.99 | |
| | 16QAM | Low | 3 580.00 | 18.96 | 12.00 | 29.96 | |
| | | Middle | 3 625.00 | 18.94 | 12.00 | 29.94 | |
| | | High | 3 670.00 | 18.95 | 12.00 | 29.95 | |
| | 64QAM | Low | 3 580.00 | 18.94 | 12.00 | 29.94 | |
| | | Middle | 3 625.00 | 18.96 | 12.00 | 29.96 | |
| | | High | 3 670.00 | 18.98 | 12.00 | 29.98 | |
| | 256QAM | Low | 3 580.00 | 18.92 | 12.00 | 29.92 | |
| | | Middle | 3 625.00 | 18.93 | 12.00 | 29.93 | |
| | | High | 3 670.00 | 18.93 | 12.00 | 29.93 | |
| 3 | QPSK | Low | 3 580.00 | 18.66 | 12.00 | 29.66 | |
| | | Middle | 3 625.00 | 18.88 | 12.00 | 29.88 | |
| | | High | 3 670.00 | 18.86 | 12.00 | 29.86 | |
| | 16QAM | Low | 3 580.00 | 18.90 | 12.00 | 29.90 | |
| | | Middle | 3 625.00 | 18.93 | 12.00 | 29.93 | |
| | | High | 3 670.00 | 19.00 | 12.00 | 30.00 | |
| | 64QAM | Low | 3 580.00 | 18.94 | 12.00 | 29.94 | |
| | | Middle | 3 625.00 | 18.90 | 12.00 | 29.90 | |
| | | High | 3 670.00 | 18.83 | 12.00 | 29.83 | |
| | 256QAM | Low | 3 580.00 | 18.94 | 12.00 | 29.94 | |
| | | Middle | 3 625.00 | 18.98 | 12.00 | 29.98 | |
| | | High | 3 670.00 | 18.98 | 12.00 | 29.98 | |

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|-----------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 580.00 | 36.68 | 36.90 | 36.97 | 36.92 | 37 |
| 3 625.00 | 36.86 | 36.96 | 36.97 | 36.95 | |
| 3 670.00 | 36.92 | 36.97 | 36.88 | 36.89 | |

CBRS NR 80 MHz 1 Carrier

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | Low | 3 590.00 | 17.93 | 13.00 | 28.93 | 37 |
| | | Middle | 3 625.00 | 17.83 | 13.00 | 28.83 | |
| | | High | 3 660.00 | 17.95 | 13.00 | 28.95 | |
| | 16QAM | Low | 3 590.00 | 17.95 | 13.00 | 28.95 | |
| | | Middle | 3 625.00 | 17.90 | 13.00 | 28.90 | |
| | | High | 3 660.00 | 17.95 | 13.00 | 28.95 | |
| | 64QAM | Low | 3 590.00 | 17.86 | 13.00 | 28.86 | |
| | | Middle | 3 625.00 | 17.96 | 13.00 | 28.96 | |
| | | High | 3 660.00 | 17.94 | 13.00 | 28.94 | |
| | 256QAM | Low | 3 590.00 | 17.86 | 13.00 | 28.86 | |
| | | Middle | 3 625.00 | 17.90 | 13.00 | 28.90 | |
| | | High | 3 660.00 | 17.94 | 13.00 | 28.94 | |
| 1 | QPSK | Low | 3 590.00 | 17.89 | 13.00 | 28.89 | |
| | | Middle | 3 625.00 | 17.96 | 13.00 | 28.96 | |
| | | High | 3 660.00 | 17.96 | 13.00 | 28.96 | |
| | 16QAM | Low | 3 590.00 | 17.82 | 13.00 | 28.82 | |
| | | Middle | 3 625.00 | 17.93 | 13.00 | 28.93 | |
| | | High | 3 660.00 | 17.80 | 13.00 | 28.80 | |
| | 64QAM | Low | 3 590.00 | 17.83 | 13.00 | 28.83 | |
| | | Middle | 3 625.00 | 17.95 | 13.00 | 28.95 | |
| | | High | 3 660.00 | 17.96 | 13.00 | 28.96 | |
| | 256QAM | Low | 3 590.00 | 17.87 | 13.00 | 28.87 | |
| | | Middle | 3 625.00 | 17.91 | 13.00 | 28.91 | |
| | | High | 3 660.00 | 17.78 | 13.00 | 28.78 | |

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 2 | QPSK | Low | 3 590.00 | 17.89 | 13.00 | 28.89 | 37 |
| | | Middle | 3 625.00 | 17.93 | 13.00 | 28.93 | |
| | | High | 3 660.00 | 17.80 | 13.00 | 28.80 | |
| | 16QAM | Low | 3 590.00 | 17.89 | 13.00 | 28.89 | |
| | | Middle | 3 625.00 | 17.91 | 13.00 | 28.91 | |
| | | High | 3 660.00 | 17.85 | 13.00 | 28.85 | |
| | 64QAM | Low | 3 590.00 | 17.88 | 13.00 | 28.88 | |
| | | Middle | 3 625.00 | 17.93 | 13.00 | 28.93 | |
| | | High | 3 660.00 | 17.95 | 13.00 | 28.95 | |
| | 256QAM | Low | 3 590.00 | 17.83 | 13.00 | 28.83 | |
| | | Middle | 3 625.00 | 17.90 | 13.00 | 28.90 | |
| | | High | 3 660.00 | 17.83 | 13.00 | 28.83 | |
| 3 | QPSK | Low | 3 590.00 | 17.77 | 13.00 | 28.77 | |
| | | Middle | 3 625.00 | 17.92 | 13.00 | 28.92 | |
| | | High | 3 660.00 | 17.83 | 13.00 | 28.83 | |
| | 16QAM | Low | 3 590.00 | 17.80 | 13.00 | 28.80 | |
| | | Middle | 3 625.00 | 17.93 | 13.00 | 28.93 | |
| | | High | 3 660.00 | 17.81 | 13.00 | 28.81 | |
| | 64QAM | Low | 3 590.00 | 17.86 | 13.00 | 28.86 | |
| | | Middle | 3 625.00 | 17.93 | 13.00 | 28.93 | |
| | | High | 3 660.00 | 17.90 | 13.00 | 28.90 | |
| | 256QAM | Low | 3 590.00 | 17.93 | 13.00 | 28.93 | |
| | | Middle | 3 625.00 | 17.92 | 13.00 | 28.92 | |
| | | High | 3 660.00 | 17.80 | 13.00 | 28.80 | |

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|-----------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 590.00 | 36.89 | 36.89 | 36.88 | 36.89 | 37 |
| 3 625.00 | 36.93 | 36.94 | 36.96 | 36.93 | |
| 3 660.00 | 36.90 | 36.87 | 36.96 | 36.86 | |

CBRS NR 100 MHz 1 Carrier

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | Low | 3 600.00 | 16.81 | 13.00 | 27.81 | 37 |
| | | Middle | 3 625.00 | 16.74 | 13.00 | 27.74 | |
| | | High | 3 650.00 | 16.64 | 13.00 | 27.64 | |
| | 16QAM | Low | 3 600.00 | 16.91 | 13.00 | 27.91 | |
| | | Middle | 3 625.00 | 16.80 | 13.00 | 27.80 | |
| | | High | 3 650.00 | 16.74 | 13.00 | 27.74 | |
| | 64QAM | Low | 3 600.00 | 16.79 | 13.00 | 27.79 | |
| | | Middle | 3 625.00 | 16.79 | 13.00 | 27.79 | |
| | | High | 3 650.00 | 16.94 | 13.00 | 27.94 | |
| | 256QAM | Low | 3 600.00 | 16.81 | 13.00 | 27.81 | |
| | | Middle | 3 625.00 | 16.65 | 13.00 | 27.65 | |
| | | High | 3 650.00 | 16.90 | 13.00 | 27.90 | |
| 1 | QPSK | Low | 3 600.00 | 16.90 | 13.00 | 27.90 | |
| | | Middle | 3 625.00 | 16.86 | 13.00 | 27.86 | |
| | | High | 3 650.00 | 16.67 | 13.00 | 27.67 | |
| | 16QAM | Low | 3 600.00 | 16.99 | 13.00 | 27.99 | |
| | | Middle | 3 625.00 | 16.92 | 13.00 | 27.92 | |
| | | High | 3 650.00 | 16.70 | 13.00 | 27.70 | |
| | 64QAM | Low | 3 600.00 | 16.95 | 13.00 | 27.95 | |
| | | Middle | 3 625.00 | 16.88 | 13.00 | 27.88 | |
| | | High | 3 650.00 | 16.92 | 13.00 | 27.92 | |
| | 256QAM | Low | 3 600.00 | 16.81 | 13.00 | 27.81 | |
| | | Middle | 3 625.00 | 16.73 | 13.00 | 27.73 | |
| | | High | 3 650.00 | 16.95 | 13.00 | 27.95 | |

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 2 | QPSK | Low | 3 600.00 | 16.93 | 13.00 | 27.93 | 37 |
| | | Middle | 3 625.00 | 16.90 | 13.00 | 27.90 | |
| | | High | 3 650.00 | 16.75 | 13.00 | 27.75 | |
| | 16QAM | Low | 3 600.00 | 16.94 | 13.00 | 27.94 | |
| | | Middle | 3 625.00 | 16.96 | 13.00 | 27.96 | |
| | | High | 3 650.00 | 16.97 | 13.00 | 27.97 | |
| | 64QAM | Low | 3 600.00 | 17.00 | 13.00 | 28.00 | |
| | | Middle | 3 625.00 | 16.75 | 13.00 | 27.75 | |
| | | High | 3 650.00 | 16.94 | 13.00 | 27.94 | |
| | 256QAM | Low | 3 600.00 | 16.98 | 13.00 | 27.98 | |
| | | Middle | 3 625.00 | 16.85 | 13.00 | 27.85 | |
| | | High | 3 650.00 | 16.98 | 13.00 | 27.98 | |
| 3 | QPSK | Low | 3 600.00 | 16.69 | 13.00 | 27.69 | |
| | | Middle | 3 625.00 | 16.84 | 13.00 | 27.84 | |
| | | High | 3 650.00 | 16.97 | 13.00 | 27.97 | |
| | 16QAM | Low | 3 600.00 | 16.80 | 13.00 | 27.80 | |
| | | Middle | 3 625.00 | 16.86 | 13.00 | 27.86 | |
| | | High | 3 650.00 | 16.82 | 13.00 | 27.82 | |
| | 64QAM | Low | 3 600.00 | 16.88 | 13.00 | 27.88 | |
| | | Middle | 3 625.00 | 16.77 | 13.00 | 27.77 | |
| | | High | 3 650.00 | 16.84 | 13.00 | 27.84 | |
| | 256QAM | Low | 3 600.00 | 16.88 | 13.00 | 27.88 | |
| | | Middle | 3 625.00 | 16.76 | 13.00 | 27.76 | |
| | | High | 3 650.00 | 16.86 | 13.00 | 27.86 | |

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|-----------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 600.00 | 35.86 | 35.93 | 35.93 | 35.89 | 37 |
| 3 625.00 | 35.86 | 35.91 | 35.82 | 35.77 | |
| 3 650.00 | 35.78 | 35.83 | 35.93 | 35.94 | |

CBRS LTE 5 MHz 1 Carrier

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | Low | 3 552.50 | 20.01 | 11.00 | 31.01 | 37 |
| | | Middle | 3 625.00 | 20.00 | 11.00 | 31.00 | |
| | | High | 3 697.50 | 20.00 | 11.00 | 31.00 | |
| | 16QAM | Low | 3 552.50 | 20.00 | 11.00 | 31.00 | |
| | | Middle | 3 625.00 | 19.99 | 11.00 | 30.99 | |
| | | High | 3 697.50 | 19.84 | 11.00 | 30.84 | |
| | 64QAM | Low | 3 552.50 | 19.89 | 11.00 | 30.89 | |
| | | Middle | 3 625.00 | 20.00 | 11.00 | 31.00 | |
| | | High | 3 697.50 | 19.95 | 11.00 | 30.95 | |
| | 256QAM | Low | 3 552.50 | 19.94 | 11.00 | 30.94 | |
| | | Middle | 3 625.00 | 19.83 | 11.00 | 30.83 | |
| | | High | 3 697.50 | 19.98 | 11.00 | 30.98 | |
| 1 | QPSK | Low | 3 552.50 | 19.95 | 11.00 | 30.95 | |
| | | Middle | 3 625.00 | 19.88 | 11.00 | 30.88 | |
| | | High | 3 697.50 | 19.84 | 11.00 | 30.84 | |
| | 16QAM | Low | 3 552.50 | 19.94 | 11.00 | 30.94 | |
| | | Middle | 3 625.00 | 19.87 | 11.00 | 30.87 | |
| | | High | 3 697.50 | 19.86 | 11.00 | 30.86 | |
| | 64QAM | Low | 3 552.50 | 19.91 | 11.00 | 30.91 | |
| | | Middle | 3 625.00 | 19.92 | 11.00 | 30.92 | |
| | | High | 3 697.50 | 19.95 | 11.00 | 30.95 | |
| | 256QAM | Low | 3 552.50 | 19.98 | 11.00 | 30.98 | |
| | | Middle | 3 625.00 | 19.95 | 11.00 | 30.95 | |
| | | High | 3 697.50 | 19.99 | 11.00 | 30.99 | |

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 2 | QPSK | Low | 3 552.50 | 19.91 | 11.00 | 30.91 | 37 |
| | | Middle | 3 625.00 | 19.97 | 11.00 | 30.97 | |
| | | High | 3 697.50 | 19.89 | 11.00 | 30.89 | |
| | 16QAM | Low | 3 552.50 | 19.94 | 11.00 | 30.94 | |
| | | Middle | 3 625.00 | 19.94 | 11.00 | 30.94 | |
| | | High | 3 697.50 | 19.83 | 11.00 | 30.83 | |
| | 64QAM | Low | 3 552.50 | 20.00 | 11.00 | 31.00 | |
| | | Middle | 3 625.00 | 19.89 | 11.00 | 30.89 | |
| | | High | 3 697.50 | 19.84 | 11.00 | 30.84 | |
| | 256QAM | Low | 3 552.50 | 19.94 | 11.00 | 30.94 | |
| | | Middle | 3 625.00 | 20.01 | 11.00 | 31.01 | |
| | | High | 3 697.50 | 19.97 | 11.00 | 30.97 | |
| 3 | QPSK | Low | 3 552.50 | 20.01 | 11.00 | 31.01 | |
| | | Middle | 3 625.00 | 19.94 | 11.00 | 30.94 | |
| | | High | 3 697.50 | 19.87 | 11.00 | 30.87 | |
| | 16QAM | Low | 3 552.50 | 19.99 | 11.00 | 30.99 | |
| | | Middle | 3 625.00 | 20.01 | 11.00 | 31.01 | |
| | | High | 3 697.50 | 20.00 | 11.00 | 31.00 | |
| | 64QAM | Low | 3 552.50 | 19.99 | 11.00 | 30.99 | |
| | | Middle | 3 625.00 | 19.95 | 11.00 | 30.95 | |
| | | High | 3 697.50 | 19.98 | 11.00 | 30.98 | |
| | 256QAM | Low | 3 552.50 | 20.00 | 11.00 | 31.00 | |
| | | Middle | 3 625.00 | 20.00 | 11.00 | 31.00 | |
| | | High | 3 697.50 | 19.93 | 11.00 | 30.93 | |

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|-----------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 552.50 | 36.99 | 36.99 | 36.97 | 36.99 | 37 |
| 3 625.00 | 36.97 | 36.97 | 36.96 | 36.97 | |
| 3 697.50 | 36.92 | 36.90 | 36.95 | 36.99 | |

CBRS LTE 10 MHz 1 Carrier

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | Low | 3 555.00 | 19.86 | 11.00 | 30.86 | 37 |
| | | Middle | 3 625.00 | 19.90 | 11.00 | 30.90 | |
| | | High | 3 695.00 | 19.76 | 11.00 | 30.76 | |
| | 16QAM | Low | 3 555.00 | 19.77 | 11.00 | 30.77 | |
| | | Middle | 3 625.00 | 19.72 | 11.00 | 30.72 | |
| | | High | 3 695.00 | 19.89 | 11.00 | 30.89 | |
| | 64QAM | Low | 3 555.00 | 19.84 | 11.00 | 30.84 | |
| | | Middle | 3 625.00 | 19.74 | 11.00 | 30.74 | |
| | | High | 3 695.00 | 19.84 | 11.00 | 30.84 | |
| | 256QAM | Low | 3 555.00 | 19.85 | 11.00 | 30.85 | |
| | | Middle | 3 625.00 | 19.76 | 11.00 | 30.76 | |
| | | High | 3 695.00 | 19.88 | 11.00 | 30.88 | |
| 1 | QPSK | Low | 3 555.00 | 19.78 | 11.00 | 30.78 | |
| | | Middle | 3 625.00 | 19.83 | 11.00 | 30.83 | |
| | | High | 3 695.00 | 19.78 | 11.00 | 30.78 | |
| | 16QAM | Low | 3 555.00 | 19.82 | 11.00 | 30.82 | |
| | | Middle | 3 625.00 | 19.74 | 11.00 | 30.74 | |
| | | High | 3 695.00 | 19.80 | 11.00 | 30.80 | |
| | 64QAM | Low | 3 555.00 | 19.77 | 11.00 | 30.77 | |
| | | Middle | 3 625.00 | 19.82 | 11.00 | 30.82 | |
| | | High | 3 695.00 | 19.86 | 11.00 | 30.86 | |
| | 256QAM | Low | 3 555.00 | 19.76 | 11.00 | 30.76 | |
| | | Middle | 3 625.00 | 19.81 | 11.00 | 30.81 | |
| | | High | 3 695.00 | 19.71 | 11.00 | 30.71 | |

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 2 | QPSK | Low | 3 555.00 | 19.75 | 11.00 | 30.75 | 37 |
| | | Middle | 3 625.00 | 19.84 | 11.00 | 30.84 | |
| | | High | 3 695.00 | 19.74 | 11.00 | 30.74 | |
| | 16QAM | Low | 3 555.00 | 19.72 | 11.00 | 30.72 | |
| | | Middle | 3 625.00 | 19.78 | 11.00 | 30.78 | |
| | | High | 3 695.00 | 19.74 | 11.00 | 30.74 | |
| | 64QAM | Low | 3 555.00 | 19.73 | 11.00 | 30.73 | |
| | | Middle | 3 625.00 | 19.78 | 11.00 | 30.78 | |
| | | High | 3 695.00 | 19.86 | 11.00 | 30.86 | |
| | 256QAM | Low | 3 555.00 | 19.83 | 11.00 | 30.83 | |
| | | Middle | 3 625.00 | 19.86 | 11.00 | 30.86 | |
| | | High | 3 695.00 | 19.72 | 11.00 | 30.72 | |
| 3 | QPSK | Low | 3 555.00 | 19.89 | 11.00 | 30.89 | |
| | | Middle | 3 625.00 | 19.76 | 11.00 | 30.76 | |
| | | High | 3 695.00 | 19.85 | 11.00 | 30.85 | |
| | 16QAM | Low | 3 555.00 | 19.89 | 11.00 | 30.89 | |
| | | Middle | 3 625.00 | 19.81 | 11.00 | 30.81 | |
| | | High | 3 695.00 | 19.80 | 11.00 | 30.80 | |
| | 64QAM | Low | 3 555.00 | 19.77 | 11.00 | 30.77 | |
| | | Middle | 3 625.00 | 19.86 | 11.00 | 30.86 | |
| | | High | 3 695.00 | 19.84 | 11.00 | 30.84 | |
| | 256QAM | Low | 3 555.00 | 19.77 | 11.00 | 30.77 | |
| | | Middle | 3 625.00 | 19.73 | 11.00 | 30.73 | |
| | | High | 3 695.00 | 19.86 | 11.00 | 30.86 | |

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|-----------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 555.00 | 36.84 | 36.82 | 36.80 | 36.82 | 37 |
| 3 625.00 | 36.85 | 36.78 | 36.82 | 36.81 | |
| 3 695.00 | 36.80 | 36.83 | 36.87 | 36.81 | |

CBRS LTE 15 MHz 1 Carrier

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | Low | 3 557.50 | 19.87 | 11.00 | 30.87 | 37 |
| | | Middle | 3 625.00 | 19.80 | 11.00 | 30.80 | |
| | | High | 3 692.50 | 19.95 | 11.00 | 30.95 | |
| | 16QAM | Low | 3 557.50 | 19.95 | 11.00 | 30.95 | |
| | | Middle | 3 625.00 | 19.96 | 11.00 | 30.96 | |
| | | High | 3 692.50 | 19.88 | 11.00 | 30.88 | |
| | 64QAM | Low | 3 557.50 | 19.87 | 11.00 | 30.87 | |
| | | Middle | 3 625.00 | 19.98 | 11.00 | 30.98 | |
| | | High | 3 692.50 | 19.82 | 11.00 | 30.82 | |
| | 256QAM | Low | 3 557.50 | 19.89 | 11.00 | 30.89 | |
| | | Middle | 3 625.00 | 19.94 | 11.00 | 30.94 | |
| | | High | 3 692.50 | 19.80 | 11.00 | 30.80 | |
| 1 | QPSK | Low | 3 557.50 | 19.97 | 11.00 | 30.97 | |
| | | Middle | 3 625.00 | 19.81 | 11.00 | 30.81 | |
| | | High | 3 692.50 | 19.90 | 11.00 | 30.90 | |
| | 16QAM | Low | 3 557.50 | 19.85 | 11.00 | 30.85 | |
| | | Middle | 3 625.00 | 19.90 | 11.00 | 30.90 | |
| | | High | 3 692.50 | 19.99 | 11.00 | 30.99 | |
| | 64QAM | Low | 3 557.50 | 19.91 | 11.00 | 30.91 | |
| | | Middle | 3 625.00 | 19.81 | 11.00 | 30.81 | |
| | | High | 3 692.50 | 19.81 | 11.00 | 30.81 | |
| | 256QAM | Low | 3 557.50 | 19.91 | 11.00 | 30.91 | |
| | | Middle | 3 625.00 | 19.82 | 11.00 | 30.82 | |
| | | High | 3 692.50 | 19.91 | 11.00 | 30.91 | |

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 2 | QPSK | Low | 3 557.50 | 19.95 | 11.00 | 30.95 | 37 |
| | | Middle | 3 625.00 | 19.84 | 11.00 | 30.84 | |
| | | High | 3 692.50 | 19.96 | 11.00 | 30.96 | |
| | 16QAM | Low | 3 557.50 | 19.81 | 11.00 | 30.81 | |
| | | Middle | 3 625.00 | 19.94 | 11.00 | 30.94 | |
| | | High | 3 692.50 | 19.82 | 11.00 | 30.82 | |
| | 64QAM | Low | 3 557.50 | 19.92 | 11.00 | 30.92 | |
| | | Middle | 3 625.00 | 19.98 | 11.00 | 30.98 | |
| | | High | 3 692.50 | 19.80 | 11.00 | 30.80 | |
| | 256QAM | Low | 3 557.50 | 19.82 | 11.00 | 30.82 | |
| | | Middle | 3 625.00 | 19.85 | 11.00 | 30.85 | |
| | | High | 3 692.50 | 19.97 | 11.00 | 30.97 | |
| 3 | QPSK | Low | 3 557.50 | 19.84 | 11.00 | 30.84 | |
| | | Middle | 3 625.00 | 19.90 | 11.00 | 30.90 | |
| | | High | 3 692.50 | 19.86 | 11.00 | 30.86 | |
| | 16QAM | Low | 3 557.50 | 19.89 | 11.00 | 30.89 | |
| | | Middle | 3 625.00 | 19.89 | 11.00 | 30.89 | |
| | | High | 3 692.50 | 19.92 | 11.00 | 30.92 | |
| | 64QAM | Low | 3 557.50 | 19.98 | 11.00 | 30.98 | |
| | | Middle | 3 625.00 | 19.89 | 11.00 | 30.89 | |
| | | High | 3 692.50 | 19.89 | 11.00 | 30.89 | |
| | 256QAM | Low | 3 557.50 | 19.95 | 11.00 | 30.95 | |
| | | Middle | 3 625.00 | 19.96 | 11.00 | 30.96 | |
| | | High | 3 692.50 | 19.85 | 11.00 | 30.85 | |

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|-----------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 557.50 | 36.93 | 36.90 | 36.94 | 36.91 | 37 |
| 3 625.00 | 36.86 | 36.94 | 36.94 | 36.91 | |
| 3 692.50 | 36.94 | 36.92 | 36.85 | 36.90 | |

CBRS LTE 20 MHz 1 Carrier

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | Low | 3 560.00 | 19.48 | 11.00 | 30.48 | 37 |
| | | Middle | 3 625.00 | 19.23 | 11.00 | 30.23 | |
| | | High | 3 690.00 | 19.08 | 11.00 | 30.08 | |
| | 16QAM | Low | 3 560.00 | 19.71 | 11.00 | 30.71 | |
| | | Middle | 3 625.00 | 19.49 | 11.00 | 30.49 | |
| | | High | 3 690.00 | 19.32 | 11.00 | 30.32 | |
| | 64QAM | Low | 3 560.00 | 19.76 | 11.00 | 30.76 | |
| | | Middle | 3 625.00 | 19.44 | 11.00 | 30.44 | |
| | | High | 3 690.00 | 19.43 | 11.00 | 30.43 | |
| | 256QAM | Low | 3 560.00 | 19.76 | 11.00 | 30.76 | |
| | | Middle | 3 625.00 | 19.42 | 11.00 | 30.42 | |
| | | High | 3 690.00 | 19.32 | 11.00 | 30.32 | |
| 1 | QPSK | Low | 3 560.00 | 19.50 | 11.00 | 30.50 | |
| | | Middle | 3 625.00 | 19.17 | 11.00 | 30.17 | |
| | | High | 3 690.00 | 19.02 | 11.00 | 30.02 | |
| | 16QAM | Low | 3 560.00 | 19.84 | 11.00 | 30.84 | |
| | | Middle | 3 625.00 | 19.57 | 11.00 | 30.57 | |
| | | High | 3 690.00 | 19.48 | 11.00 | 30.48 | |
| | 64QAM | Low | 3 560.00 | 19.73 | 11.00 | 30.73 | |
| | | Middle | 3 625.00 | 19.27 | 11.00 | 30.27 | |
| | | High | 3 690.00 | 19.24 | 11.00 | 30.24 | |
| | 256QAM | Low | 3 560.00 | 19.70 | 11.00 | 30.70 | |
| | | Middle | 3 625.00 | 19.38 | 11.00 | 30.38 | |
| | | High | 3 690.00 | 19.17 | 11.00 | 30.17 | |

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 2 | QPSK | Low | 3 560.00 | 19.61 | 11.00 | 30.61 | 37 |
| | | Middle | 3 625.00 | 19.29 | 11.00 | 30.29 | |
| | | High | 3 690.00 | 19.04 | 11.00 | 30.04 | |
| | 16QAM | Low | 3 560.00 | 19.98 | 11.00 | 30.98 | |
| | | Middle | 3 625.00 | 19.90 | 11.00 | 30.90 | |
| | | High | 3 690.00 | 19.61 | 11.00 | 30.61 | |
| | 64QAM | Low | 3 560.00 | 19.78 | 11.00 | 30.78 | |
| | | Middle | 3 625.00 | 19.49 | 11.00 | 30.49 | |
| | | High | 3 690.00 | 19.46 | 11.00 | 30.46 | |
| | 256QAM | Low | 3 560.00 | 19.79 | 11.00 | 30.79 | |
| | | Middle | 3 625.00 | 19.50 | 11.00 | 30.50 | |
| | | High | 3 690.00 | 19.39 | 11.00 | 30.39 | |
| 3 | QPSK | Low | 3 560.00 | 19.55 | 11.00 | 30.55 | |
| | | Middle | 3 625.00 | 19.31 | 11.00 | 30.31 | |
| | | High | 3 690.00 | 19.06 | 11.00 | 30.06 | |
| | 16QAM | Low | 3 560.00 | 19.82 | 11.00 | 30.82 | |
| | | Middle | 3 625.00 | 19.51 | 11.00 | 30.51 | |
| | | High | 3 690.00 | 19.17 | 11.00 | 30.17 | |
| | 64QAM | Low | 3 560.00 | 19.77 | 11.00 | 30.77 | |
| | | Middle | 3 625.00 | 19.50 | 11.00 | 30.50 | |
| | | High | 3 690.00 | 19.36 | 11.00 | 30.36 | |
| | 256QAM | Low | 3 560.00 | 19.80 | 11.00 | 30.80 | |
| | | Middle | 3 625.00 | 19.50 | 11.00 | 30.50 | |
| | | High | 3 690.00 | 19.38 | 11.00 | 30.38 | |

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|-----------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 560.00 | 36.56 | 36.86 | 36.78 | 36.78 | 37 |
| 3 625.00 | 36.27 | 36.64 | 36.44 | 36.47 | |
| 3 690.00 | 36.07 | 36.42 | 36.39 | 36.33 | |

Tabular Data of Contiguous PSD

CBRS NR(60 MHz 1C + 30 MHz 1C)[2C]

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|--------|--------|----------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | Low | 3 595.00 | 17.33 | 13.00 | 28.33 | 37 |
| | | Middle | 3 625.00 | 17.34 | 13.00 | 28.34 | |
| | | High | 3 655.00 | 17.28 | 13.00 | 28.28 | |
| | 16QAM | Low | 3 595.00 | 17.22 | 13.00 | 28.22 | |
| | | Middle | 3 625.00 | 17.57 | 13.00 | 28.57 | |
| | | High | 3 655.00 | 17.24 | 13.00 | 28.24 | |
| | 64QAM | Low | 3 595.00 | 17.32 | 13.00 | 28.32 | |
| | | Middle | 3 625.00 | 17.38 | 13.00 | 28.38 | |
| | | High | 3 655.00 | 17.20 | 13.00 | 28.20 | |
| | 256QAM | Low | 3 595.00 | 17.28 | 13.00 | 28.28 | |
| | | Middle | 3 625.00 | 17.31 | 13.00 | 28.31 | |
| | | High | 3 655.00 | 17.26 | 13.00 | 28.26 | |
| 1 | QPSK | Low | 3 595.00 | 17.16 | 13.00 | 28.16 | |
| | | Middle | 3 625.00 | 17.21 | 13.00 | 28.21 | |
| | | High | 3 655.00 | 17.37 | 13.00 | 28.37 | |
| | 16QAM | Low | 3 595.00 | 17.13 | 13.00 | 28.13 | |
| | | Middle | 3 625.00 | 17.34 | 13.00 | 28.34 | |
| | | High | 3 655.00 | 17.38 | 13.00 | 28.38 | |
| | 64QAM | Low | 3 595.00 | 17.21 | 13.00 | 28.21 | |
| | | Middle | 3 625.00 | 17.37 | 13.00 | 28.37 | |
| | | High | 3 655.00 | 17.38 | 13.00 | 28.38 | |
| 256QAM | Low | 3 595.00 | 17.25 | 13.00 | 28.25 | | |
| | Middle | 3 625.00 | 17.32 | 13.00 | 28.32 | | |
| | High | 3 655.00 | 17.38 | 13.00 | 28.38 | | |

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 2 | QPSK | Low | 3 595.00 | 16.98 | 13.00 | 27.98 | 37 |
| | | Middle | 3 625.00 | 17.04 | 13.00 | 28.04 | |
| | | High | 3 655.00 | 17.29 | 13.00 | 28.29 | |
| | 16QAM | Low | 3 595.00 | 17.00 | 13.00 | 28.00 | |
| | | Middle | 3 625.00 | 17.18 | 13.00 | 28.18 | |
| | | High | 3 655.00 | 17.21 | 13.00 | 28.21 | |
| | 64QAM | Low | 3 595.00 | 17.03 | 13.00 | 28.03 | |
| | | Middle | 3 625.00 | 17.37 | 13.00 | 28.37 | |
| | | High | 3 655.00 | 17.37 | 13.00 | 28.37 | |
| | 256QAM | Low | 3 595.00 | 17.09 | 13.00 | 28.09 | |
| | | Middle | 3 625.00 | 17.23 | 13.00 | 28.23 | |
| | | High | 3 655.00 | 17.31 | 13.00 | 28.31 | |
| 3 | QPSK | Low | 3 595.00 | 17.32 | 13.00 | 28.32 | |
| | | Middle | 3 625.00 | 17.19 | 13.00 | 28.19 | |
| | | High | 3 655.00 | 17.43 | 13.00 | 28.43 | |
| | 16QAM | Low | 3 595.00 | 17.42 | 13.00 | 28.42 | |
| | | Middle | 3 625.00 | 17.44 | 13.00 | 28.44 | |
| | | High | 3 655.00 | 17.43 | 13.00 | 28.43 | |
| | 64QAM | Low | 3 595.00 | 17.40 | 13.00 | 28.40 | |
| | | Middle | 3 625.00 | 17.44 | 13.00 | 28.44 | |
| | | High | 3 655.00 | 17.43 | 13.00 | 28.43 | |
| | 256QAM | Low | 3 595.00 | 17.43 | 13.00 | 28.43 | |
| | | Middle | 3 625.00 | 17.43 | 13.00 | 28.43 | |
| | | High | 3 655.00 | 17.44 | 13.00 | 28.44 | |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|-----------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 595.00 | 36.22 | 36.22 | 36.26 | 36.28 | 37 |
| 3 625.00 | 36.22 | 36.40 | 36.41 | 36.35 | |
| 3 655.00 | 36.37 | 36.34 | 36.37 | 36.37 | |

CBRS LTE(15 MHz 1C + 15 MHz 1C)[2C]

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | Low | 3 565.00 | 18.56 | 12.00 | 29.56 | 37 |
| | | Middle | 3 625.00 | 18.82 | 12.00 | 29.82 | |
| | | High | 3 685.00 | 18.15 | 12.00 | 29.15 | |
| | 16QAM | Low | 3 565.00 | 18.68 | 12.00 | 29.68 | |
| | | Middle | 3 625.00 | 18.04 | 12.00 | 29.04 | |
| | | High | 3 685.00 | 18.49 | 12.00 | 29.49 | |
| | 64QAM | Low | 3 565.00 | 18.44 | 12.00 | 29.44 | |
| | | Middle | 3 625.00 | 18.04 | 12.00 | 29.04 | |
| | | High | 3 685.00 | 18.85 | 12.00 | 29.85 | |
| | 256QAM | Low | 3 565.00 | 18.52 | 12.00 | 29.52 | |
| | | Middle | 3 625.00 | 18.01 | 12.00 | 29.01 | |
| | | High | 3 685.00 | 18.67 | 12.00 | 29.67 | |
| 1 | QPSK | Low | 3 565.00 | 18.22 | 12.00 | 29.22 | |
| | | Middle | 3 625.00 | 18.74 | 12.00 | 29.74 | |
| | | High | 3 685.00 | 18.28 | 12.00 | 29.28 | |
| | 16QAM | Low | 3 565.00 | 18.69 | 12.00 | 29.69 | |
| | | Middle | 3 625.00 | 18.26 | 12.00 | 29.26 | |
| | | High | 3 685.00 | 18.37 | 12.00 | 29.37 | |
| | 64QAM | Low | 3 565.00 | 18.34 | 12.00 | 29.34 | |
| | | Middle | 3 625.00 | 18.21 | 12.00 | 29.21 | |
| | | High | 3 685.00 | 18.78 | 12.00 | 29.78 | |
| | 256QAM | Low | 3 565.00 | 18.52 | 12.00 | 29.52 | |
| | | Middle | 3 625.00 | 18.16 | 12.00 | 29.16 | |
| | | High | 3 685.00 | 18.74 | 12.00 | 29.74 | |

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 2 | QPSK | Low | 3 565.00 | 18.42 | 12.00 | 29.42 | 37 |
| | | Middle | 3 625.00 | 18.89 | 12.00 | 29.89 | |
| | | High | 3 685.00 | 18.50 | 12.00 | 29.50 | |
| | 16QAM | Low | 3 565.00 | 18.85 | 12.00 | 29.85 | |
| | | Middle | 3 625.00 | 18.16 | 12.00 | 29.16 | |
| | | High | 3 685.00 | 18.46 | 12.00 | 29.46 | |
| | 64QAM | Low | 3 565.00 | 18.58 | 12.00 | 29.58 | |
| | | Middle | 3 625.00 | 18.47 | 12.00 | 29.47 | |
| | | High | 3 685.00 | 18.97 | 12.00 | 29.97 | |
| | 256QAM | Low | 3 565.00 | 18.64 | 12.00 | 29.64 | |
| | | Middle | 3 625.00 | 18.58 | 12.00 | 29.58 | |
| | | High | 3 685.00 | 18.90 | 12.00 | 29.90 | |
| 3 | QPSK | Low | 3 565.00 | 18.33 | 12.00 | 29.33 | |
| | | Middle | 3 625.00 | 18.11 | 12.00 | 29.11 | |
| | | High | 3 685.00 | 18.02 | 12.00 | 29.02 | |
| | 16QAM | Low | 3 565.00 | 18.65 | 12.00 | 29.65 | |
| | | Middle | 3 625.00 | 18.14 | 12.00 | 29.14 | |
| | | High | 3 685.00 | 18.71 | 12.00 | 29.71 | |
| | 64QAM | Low | 3 565.00 | 18.51 | 12.00 | 29.51 | |
| | | Middle | 3 625.00 | 18.13 | 12.00 | 29.13 | |
| | | High | 3 685.00 | 18.60 | 12.00 | 29.60 | |
| | 256QAM | Low | 3 565.00 | 18.66 | 12.00 | 29.66 | |
| | | Middle | 3 625.00 | 18.22 | 12.00 | 29.22 | |
| | | High | 3 685.00 | 18.54 | 12.00 | 29.54 | |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|-----------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 565.00 | 36.41 | 36.74 | 36.49 | 36.60 | 37 |
| 3 625.00 | 36.67 | 36.17 | 36.24 | 36.27 | |
| 3 685.00 | 36.26 | 36.53 | 36.82 | 36.73 | |

CBRS LTE 5 MHz 1C + NR 10 MHz 1C[2C]

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | Low | 3 557.50 | 18.44 | 11.00 | 29.44 | 37 |
| | | Middle | 3 625.00 | 18.28 | 11.00 | 29.28 | |
| | | High | 3 692.50 | 18.36 | 11.00 | 29.36 | |
| | 16QAM | Low | 3 557.50 | 18.53 | 11.00 | 29.53 | |
| | | Middle | 3 625.00 | 18.38 | 11.00 | 29.38 | |
| | | High | 3 692.50 | 18.31 | 11.00 | 29.31 | |
| | 64QAM | Low | 3 557.50 | 18.54 | 11.00 | 29.54 | |
| | | Middle | 3 625.00 | 18.48 | 11.00 | 29.48 | |
| | | High | 3 692.50 | 18.38 | 11.00 | 29.38 | |
| | 256QAM | Low | 3 557.50 | 18.56 | 11.00 | 29.56 | |
| | | Middle | 3 625.00 | 18.41 | 11.00 | 29.41 | |
| | | High | 3 692.50 | 18.36 | 11.00 | 29.36 | |
| 1 | QPSK | Low | 3 557.50 | 18.72 | 11.00 | 29.72 | |
| | | Middle | 3 625.00 | 18.18 | 11.00 | 29.18 | |
| | | High | 3 692.50 | 18.46 | 11.00 | 29.46 | |
| | 16QAM | Low | 3 557.50 | 18.85 | 11.00 | 29.85 | |
| | | Middle | 3 625.00 | 18.30 | 11.00 | 29.30 | |
| | | High | 3 692.50 | 18.58 | 11.00 | 29.58 | |
| | 64QAM | Low | 3 557.50 | 18.87 | 11.00 | 29.87 | |
| | | Middle | 3 625.00 | 18.33 | 11.00 | 29.33 | |
| | | High | 3 692.50 | 18.47 | 11.00 | 29.47 | |
| | 256QAM | Low | 3 557.50 | 18.94 | 11.00 | 29.94 | |
| | | Middle | 3 625.00 | 18.33 | 11.00 | 29.33 | |
| | | High | 3 692.50 | 18.48 | 11.00 | 29.48 | |

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 2 | QPSK | Low | 3 557.50 | 18.55 | 11.00 | 29.55 | 37 |
| | | Middle | 3 625.00 | 18.00 | 11.00 | 29.00 | |
| | | High | 3 692.50 | 18.36 | 11.00 | 29.36 | |
| | 16QAM | Low | 3 557.50 | 18.65 | 11.00 | 29.65 | |
| | | Middle | 3 625.00 | 18.15 | 11.00 | 29.15 | |
| | | High | 3 692.50 | 18.40 | 11.00 | 29.40 | |
| | 64QAM | Low | 3 557.50 | 18.61 | 11.00 | 29.61 | |
| | | Middle | 3 625.00 | 18.08 | 11.00 | 29.08 | |
| | | High | 3 692.50 | 18.41 | 11.00 | 29.41 | |
| | 256QAM | Low | 3 557.50 | 18.73 | 11.00 | 29.73 | |
| | | Middle | 3 625.00 | 18.10 | 11.00 | 29.10 | |
| | | High | 3 692.50 | 18.41 | 11.00 | 29.41 | |
| 3 | QPSK | Low | 3 557.50 | 18.85 | 11.00 | 29.85 | |
| | | Middle | 3 625.00 | 18.44 | 11.00 | 29.44 | |
| | | High | 3 692.50 | 18.67 | 11.00 | 29.67 | |
| | 16QAM | Low | 3 557.50 | 18.97 | 11.00 | 29.97 | |
| | | Middle | 3 625.00 | 18.61 | 11.00 | 29.61 | |
| | | High | 3 692.50 | 18.79 | 11.00 | 29.79 | |
| | 64QAM | Low | 3 557.50 | 18.99 | 11.00 | 29.99 | |
| | | Middle | 3 625.00 | 18.66 | 11.00 | 29.66 | |
| | | High | 3 692.50 | 18.68 | 11.00 | 29.68 | |
| | 256QAM | Low | 3 557.50 | 18.83 | 11.00 | 29.83 | |
| | | Middle | 3 625.00 | 18.66 | 11.00 | 29.66 | |
| | | High | 3 692.50 | 18.70 | 11.00 | 29.70 | |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|-----------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 557.50 | 35.66 | 35.77 | 35.78 | 35.79 | 37 |
| 3 625.00 | 35.25 | 35.38 | 35.41 | 35.40 | |
| 3 692.50 | 35.48 | 35.55 | 35.51 | 35.51 | |

CBRS NR(20 MHz 1C + 20 MHz 1C + 10 MHz 1C)[3C]

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | Low | 3 575.00 | 18.11 | 12.00 | 29.11 | 37 |
| | | Middle | 3 625.00 | 18.25 | 12.00 | 29.25 | |
| | | High | 3 675.00 | 18.23 | 12.00 | 29.23 | |
| | 16QAM | Low | 3 575.00 | 18.15 | 12.00 | 29.15 | |
| | | Middle | 3 625.00 | 18.16 | 12.00 | 29.16 | |
| | | High | 3 675.00 | 18.27 | 12.00 | 29.27 | |
| | 64QAM | Low | 3 575.00 | 18.23 | 12.00 | 29.23 | |
| | | Middle | 3 625.00 | 18.32 | 12.00 | 29.32 | |
| | | High | 3 675.00 | 18.34 | 12.00 | 29.34 | |
| | 256QAM | Low | 3 575.00 | 18.27 | 12.00 | 29.27 | |
| | | Middle | 3 625.00 | 18.27 | 12.00 | 29.27 | |
| | | High | 3 675.00 | 18.33 | 12.00 | 29.33 | |
| 1 | QPSK | Low | 3 575.00 | 18.26 | 12.00 | 29.26 | |
| | | Middle | 3 625.00 | 18.21 | 12.00 | 29.21 | |
| | | High | 3 675.00 | 18.43 | 12.00 | 29.43 | |
| | 16QAM | Low | 3 575.00 | 18.33 | 12.00 | 29.33 | |
| | | Middle | 3 625.00 | 18.10 | 12.00 | 29.10 | |
| | | High | 3 675.00 | 18.42 | 12.00 | 29.42 | |
| | 64QAM | Low | 3 575.00 | 18.24 | 12.00 | 29.24 | |
| | | Middle | 3 625.00 | 18.20 | 12.00 | 29.20 | |
| | | High | 3 675.00 | 18.46 | 12.00 | 29.46 | |
| | 256QAM | Low | 3 575.00 | 18.37 | 12.00 | 29.37 | |
| | | Middle | 3 625.00 | 18.21 | 12.00 | 29.21 | |
| | | High | 3 675.00 | 18.39 | 12.00 | 29.39 | |

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 2 | QPSK | Low | 3 575.00 | 18.19 | 12.00 | 29.19 | 37 |
| | | Middle | 3 625.00 | 18.02 | 12.00 | 29.02 | |
| | | High | 3 675.00 | 18.43 | 12.00 | 29.43 | |
| | 16QAM | Low | 3 575.00 | 18.19 | 12.00 | 29.19 | |
| | | Middle | 3 625.00 | 17.96 | 12.00 | 28.96 | |
| | | High | 3 675.00 | 18.40 | 12.00 | 29.40 | |
| | 64QAM | Low | 3 575.00 | 18.32 | 12.00 | 29.32 | |
| | | Middle | 3 625.00 | 18.12 | 12.00 | 29.12 | |
| | | High | 3 675.00 | 18.51 | 12.00 | 29.51 | |
| | 256QAM | Low | 3 575.00 | 18.29 | 12.00 | 29.29 | |
| | | Middle | 3 625.00 | 18.07 | 12.00 | 29.07 | |
| | | High | 3 675.00 | 18.55 | 12.00 | 29.55 | |
| 3 | QPSK | Low | 3 575.00 | 18.40 | 12.00 | 29.40 | |
| | | Middle | 3 625.00 | 18.28 | 12.00 | 29.28 | |
| | | High | 3 675.00 | 18.64 | 12.00 | 29.64 | |
| | 16QAM | Low | 3 575.00 | 18.51 | 12.00 | 29.51 | |
| | | Middle | 3 625.00 | 18.39 | 12.00 | 29.39 | |
| | | High | 3 675.00 | 18.67 | 12.00 | 29.67 | |
| | 64QAM | Low | 3 575.00 | 18.56 | 12.00 | 29.56 | |
| | | Middle | 3 625.00 | 18.34 | 12.00 | 29.34 | |
| | | High | 3 675.00 | 18.71 | 12.00 | 29.71 | |
| | 256QAM | Low | 3 575.00 | 18.52 | 12.00 | 29.52 | |
| | | Middle | 3 625.00 | 18.31 | 12.00 | 29.31 | |
| | | High | 3 675.00 | 18.59 | 12.00 | 29.59 | |

Note: 1C: 1 Carrier, 3C: 3 Carrier

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|-----------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 575.00 | 36.26 | 36.32 | 36.36 | 36.38 | 37 |
| 3 625.00 | 36.21 | 36.17 | 36.27 | 36.24 | |
| 3 675.00 | 36.46 | 36.46 | 36.53 | 36.49 | |

CBRS NR(30 MHz 1C + 30 MHz 1C + 10 MHz 1C)[3C]

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | Low | 3 585.00 | 17.23 | 13.00 | 28.23 | 37 |
| | | Middle | 3 625.00 | 17.09 | 13.00 | 28.09 | |
| | | High | 3 665.00 | 17.25 | 13.00 | 28.25 | |
| | 16QAM | Low | 3 585.00 | 17.26 | 13.00 | 28.26 | |
| | | Middle | 3 625.00 | 17.15 | 13.00 | 28.15 | |
| | | High | 3 665.00 | 17.33 | 13.00 | 28.33 | |
| | 64QAM | Low | 3 585.00 | 17.36 | 13.00 | 28.36 | |
| | | Middle | 3 625.00 | 17.25 | 13.00 | 28.25 | |
| | | High | 3 665.00 | 17.37 | 13.00 | 28.37 | |
| | 256QAM | Low | 3 585.00 | 17.28 | 13.00 | 28.28 | |
| | | Middle | 3 625.00 | 17.24 | 13.00 | 28.24 | |
| | | High | 3 665.00 | 17.37 | 13.00 | 28.37 | |
| 1 | QPSK | Low | 3 585.00 | 17.24 | 13.00 | 28.24 | |
| | | Middle | 3 625.00 | 17.19 | 13.00 | 28.19 | |
| | | High | 3 665.00 | 17.43 | 13.00 | 28.43 | |
| | 16QAM | Low | 3 585.00 | 17.44 | 13.00 | 28.44 | |
| | | Middle | 3 625.00 | 17.33 | 13.00 | 28.33 | |
| | | High | 3 665.00 | 17.47 | 13.00 | 28.47 | |
| | 64QAM | Low | 3 585.00 | 17.40 | 13.00 | 28.40 | |
| | | Middle | 3 625.00 | 17.33 | 13.00 | 28.33 | |
| | | High | 3 665.00 | 17.52 | 13.00 | 28.52 | |
| | 256QAM | Low | 3 585.00 | 17.40 | 13.00 | 28.40 | |
| | | Middle | 3 625.00 | 17.39 | 13.00 | 28.39 | |
| | | High | 3 665.00 | 17.50 | 13.00 | 28.50 | |

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 2 | QPSK | Low | 3 585.00 | 17.13 | 13.00 | 28.13 | 37 |
| | | Middle | 3 625.00 | 17.03 | 13.00 | 28.03 | |
| | | High | 3 665.00 | 17.46 | 13.00 | 28.46 | |
| | 16QAM | Low | 3 585.00 | 17.19 | 13.00 | 28.19 | |
| | | Middle | 3 625.00 | 17.12 | 13.00 | 28.12 | |
| | | High | 3 665.00 | 17.48 | 13.00 | 28.48 | |
| | 64QAM | Low | 3 585.00 | 17.21 | 13.00 | 28.21 | |
| | | Middle | 3 625.00 | 17.13 | 13.00 | 28.13 | |
| | | High | 3 665.00 | 17.49 | 13.00 | 28.49 | |
| | 256QAM | Low | 3 585.00 | 17.12 | 13.00 | 28.12 | |
| | | Middle | 3 625.00 | 17.16 | 13.00 | 28.16 | |
| | | High | 3 665.00 | 17.49 | 13.00 | 28.49 | |
| 3 | QPSK | Low | 3 585.00 | 17.37 | 13.00 | 28.37 | |
| | | Middle | 3 625.00 | 17.28 | 13.00 | 28.28 | |
| | | High | 3 665.00 | 17.55 | 13.00 | 28.55 | |
| | 16QAM | Low | 3 585.00 | 17.49 | 13.00 | 28.49 | |
| | | Middle | 3 625.00 | 17.37 | 13.00 | 28.37 | |
| | | High | 3 665.00 | 17.67 | 13.00 | 28.67 | |
| | 64QAM | Low | 3 585.00 | 17.34 | 13.00 | 28.34 | |
| | | Middle | 3 625.00 | 17.36 | 13.00 | 28.36 | |
| | | High | 3 665.00 | 17.66 | 13.00 | 28.66 | |
| | 256QAM | Low | 3 585.00 | 17.50 | 13.00 | 28.50 | |
| | | Middle | 3 625.00 | 17.39 | 13.00 | 28.39 | |
| | | High | 3 665.00 | 17.69 | 13.00 | 28.69 | |

Note: 1C: 1 Carrier, 3C: 3 Carrier

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|-----------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 585.00 | 36.26 | 36.37 | 36.35 | 36.35 | 37 |
| 3 625.00 | 36.17 | 36.26 | 36.29 | 36.32 | |
| 3 665.00 | 36.44 | 36.51 | 36.53 | 36.53 | |

CBRS LTE(15 MHz 1C + 15 MHz 1C + 10 MHz 1C)[3C]

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | Low | 3 570.00 | 18.16 | 12.00 | 29.16 | 37 |
| | | Middle | 3 625.00 | 18.12 | 12.00 | 29.12 | |
| | | High | 3 680.00 | 18.13 | 12.00 | 29.13 | |
| | 16QAM | Low | 3 570.00 | 18.60 | 12.00 | 29.60 | |
| | | Middle | 3 625.00 | 18.15 | 12.00 | 29.15 | |
| | | High | 3 680.00 | 18.61 | 12.00 | 29.61 | |
| | 64QAM | Low | 3 570.00 | 18.14 | 12.00 | 29.14 | |
| | | Middle | 3 625.00 | 18.21 | 12.00 | 29.21 | |
| | | High | 3 680.00 | 18.18 | 12.00 | 29.18 | |
| | 256QAM | Low | 3 570.00 | 18.11 | 12.00 | 29.11 | |
| | | Middle | 3 625.00 | 18.19 | 12.00 | 29.19 | |
| | | High | 3 680.00 | 18.25 | 12.00 | 29.25 | |
| 1 | QPSK | Low | 3 570.00 | 18.23 | 12.00 | 29.23 | 37 |
| | | Middle | 3 625.00 | 18.09 | 12.00 | 29.09 | |
| | | High | 3 680.00 | 18.20 | 12.00 | 29.20 | |
| | 16QAM | Low | 3 570.00 | 18.54 | 12.00 | 29.54 | |
| | | Middle | 3 625.00 | 18.39 | 12.00 | 29.39 | |
| | | High | 3 680.00 | 18.73 | 12.00 | 29.73 | |
| | 64QAM | Low | 3 570.00 | 18.27 | 12.00 | 29.27 | |
| | | Middle | 3 625.00 | 18.20 | 12.00 | 29.20 | |
| | | High | 3 680.00 | 18.32 | 12.00 | 29.32 | |
| | 256QAM | Low | 3 570.00 | 18.25 | 12.00 | 29.25 | |
| | | Middle | 3 625.00 | 18.14 | 12.00 | 29.14 | |
| | | High | 3 680.00 | 18.38 | 12.00 | 29.38 | |

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 2 | QPSK | Low | 3 570.00 | 18.20 | 12.00 | 29.20 | 37 |
| | | Middle | 3 625.00 | 17.97 | 12.00 | 28.97 | |
| | | High | 3 680.00 | 18.15 | 12.00 | 29.15 | |
| | 16QAM | Low | 3 570.00 | 18.36 | 12.00 | 29.36 | |
| | | Middle | 3 625.00 | 18.21 | 12.00 | 29.21 | |
| | | High | 3 680.00 | 18.60 | 12.00 | 29.60 | |
| | 64QAM | Low | 3 570.00 | 18.24 | 12.00 | 29.24 | |
| | | Middle | 3 625.00 | 18.02 | 12.00 | 29.02 | |
| | | High | 3 680.00 | 18.30 | 12.00 | 29.30 | |
| | 256QAM | Low | 3 570.00 | 18.18 | 12.00 | 29.18 | |
| | | Middle | 3 625.00 | 18.03 | 12.00 | 29.03 | |
| | | High | 3 680.00 | 18.35 | 12.00 | 29.35 | |
| 3 | QPSK | Low | 3 570.00 | 18.43 | 12.00 | 29.43 | |
| | | Middle | 3 625.00 | 18.20 | 12.00 | 29.20 | |
| | | High | 3 680.00 | 18.39 | 12.00 | 29.39 | |
| | 16QAM | Low | 3 570.00 | 18.63 | 12.00 | 29.63 | |
| | | Middle | 3 625.00 | 18.52 | 12.00 | 29.52 | |
| | | High | 3 680.00 | 18.82 | 12.00 | 29.82 | |
| | 64QAM | Low | 3 570.00 | 18.35 | 12.00 | 29.35 | |
| | | Middle | 3 625.00 | 18.31 | 12.00 | 29.31 | |
| | | High | 3 680.00 | 18.50 | 12.00 | 29.50 | |
| | 256QAM | Low | 3 570.00 | 18.41 | 12.00 | 29.41 | |
| | | Middle | 3 625.00 | 18.41 | 12.00 | 29.41 | |
| | | High | 3 680.00 | 18.52 | 12.00 | 29.52 | |

Note: 1C: 1 Carrier, 3C: 3 Carrier

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|-----------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 570.00 | 36.28 | 36.56 | 36.27 | 36.26 | 37 |
| 3 625.00 | 36.12 | 36.34 | 36.21 | 36.22 | |
| 3 680.00 | 36.24 | 36.71 | 36.35 | 36.40 | |

CBRS LTE(20 MHz 1C + 15 MHz 1C + 15 MHz 1C)[3C]

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | Low | 3 575.00 | 18.92 | 12.00 | 29.92 | 37 |
| | | Middle | 3 625.00 | 18.02 | 12.00 | 29.02 | |
| | | High | 3 675.00 | 18.10 | 12.00 | 29.10 | |
| | 16QAM | Low | 3 575.00 | 18.65 | 12.00 | 29.65 | |
| | | Middle | 3 625.00 | 18.18 | 12.00 | 29.18 | |
| | | High | 3 675.00 | 18.33 | 12.00 | 29.33 | |
| | 64QAM | Low | 3 575.00 | 18.03 | 12.00 | 29.03 | |
| | | Middle | 3 625.00 | 18.27 | 12.00 | 29.27 | |
| | | High | 3 675.00 | 18.15 | 12.00 | 29.15 | |
| | 256QAM | Low | 3 575.00 | 18.11 | 12.00 | 29.11 | |
| | | Middle | 3 625.00 | 18.23 | 12.00 | 29.23 | |
| | | High | 3 675.00 | 18.34 | 12.00 | 29.34 | |
| 1 | QPSK | Low | 3 575.00 | 18.05 | 12.00 | 29.05 | |
| | | Middle | 3 625.00 | 18.99 | 12.00 | 29.99 | |
| | | High | 3 675.00 | 18.17 | 12.00 | 29.17 | |
| | 16QAM | Low | 3 575.00 | 18.53 | 12.00 | 29.53 | |
| | | Middle | 3 625.00 | 18.35 | 12.00 | 29.35 | |
| | | High | 3 675.00 | 18.77 | 12.00 | 29.77 | |
| | 64QAM | Low | 3 575.00 | 18.14 | 12.00 | 29.14 | |
| | | Middle | 3 625.00 | 18.20 | 12.00 | 29.20 | |
| | | High | 3 675.00 | 18.19 | 12.00 | 29.19 | |
| | 256QAM | Low | 3 575.00 | 18.27 | 12.00 | 29.27 | |
| | | Middle | 3 625.00 | 18.21 | 12.00 | 29.21 | |
| | | High | 3 675.00 | 18.44 | 12.00 | 29.44 | |

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 2 | QPSK | Low | 3 575.00 | 18.05 | 12.00 | 29.05 | 37 |
| | | Middle | 3 625.00 | 18.03 | 12.00 | 29.03 | |
| | | High | 3 675.00 | 18.06 | 12.00 | 29.06 | |
| | 16QAM | Low | 3 575.00 | 18.38 | 12.00 | 29.38 | |
| | | Middle | 3 625.00 | 18.44 | 12.00 | 29.44 | |
| | | High | 3 675.00 | 18.30 | 12.00 | 29.30 | |
| | 64QAM | Low | 3 575.00 | 18.24 | 12.00 | 29.24 | |
| | | Middle | 3 625.00 | 18.01 | 12.00 | 29.01 | |
| | | High | 3 675.00 | 18.18 | 12.00 | 29.18 | |
| | 256QAM | Low | 3 575.00 | 18.26 | 12.00 | 29.26 | |
| | | Middle | 3 625.00 | 18.08 | 12.00 | 29.08 | |
| | | High | 3 675.00 | 18.42 | 12.00 | 29.42 | |
| 3 | QPSK | Low | 3 575.00 | 18.38 | 12.00 | 29.38 | |
| | | Middle | 3 625.00 | 18.31 | 12.00 | 29.31 | |
| | | High | 3 675.00 | 18.28 | 12.00 | 29.28 | |
| | 16QAM | Low | 3 575.00 | 18.81 | 12.00 | 29.81 | |
| | | Middle | 3 625.00 | 18.74 | 12.00 | 29.74 | |
| | | High | 3 675.00 | 18.63 | 12.00 | 29.63 | |
| | 64QAM | Low | 3 575.00 | 18.48 | 12.00 | 29.48 | |
| | | Middle | 3 625.00 | 18.20 | 12.00 | 29.20 | |
| | | High | 3 675.00 | 18.38 | 12.00 | 29.38 | |
| | 256QAM | Low | 3 575.00 | 18.54 | 12.00 | 29.54 | |
| | | Middle | 3 625.00 | 18.33 | 12.00 | 29.33 | |
| | | High | 3 675.00 | 18.62 | 12.00 | 29.62 | |

Note: 1C: 1 Carrier, 3C: 3 Carrier

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|-----------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 575.00 | 36.39 | 36.62 | 36.24 | 36.32 | 37 |
| 3 625.00 | 36.38 | 36.45 | 36.19 | 36.23 | |
| 3 675.00 | 36.17 | 36.53 | 36.25 | 36.48 | |

CBRS LTE(20 MHz 1C + 20 MHz 1C + 20 MHz 1C)[3C]

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | Low | 3 580.00 | 18.19 | 12.00 | 29.19 | 37 |
| | | Middle | 3 625.00 | 18.92 | 12.00 | 29.92 | |
| | | High | 3 670.00 | 18.97 | 12.00 | 29.97 | |
| | 16QAM | Low | 3 580.00 | 18.63 | 12.00 | 29.63 | |
| | | Middle | 3 625.00 | 18.41 | 12.00 | 29.41 | |
| | | High | 3 670.00 | 18.26 | 12.00 | 29.26 | |
| | 64QAM | Low | 3 580.00 | 18.08 | 12.00 | 29.08 | |
| | | Middle | 3 625.00 | 18.99 | 12.00 | 29.99 | |
| | | High | 3 670.00 | 18.07 | 12.00 | 29.07 | |
| | 256QAM | Low | 3 580.00 | 18.13 | 12.00 | 29.13 | |
| | | Middle | 3 625.00 | 18.99 | 12.00 | 29.99 | |
| | | High | 3 670.00 | 18.04 | 12.00 | 29.04 | |
| 1 | QPSK | Low | 3 580.00 | 18.27 | 12.00 | 29.27 | |
| | | Middle | 3 625.00 | 18.01 | 12.00 | 29.01 | |
| | | High | 3 670.00 | 18.98 | 12.00 | 29.98 | |
| | 16QAM | Low | 3 580.00 | 18.57 | 12.00 | 29.57 | |
| | | Middle | 3 625.00 | 18.54 | 12.00 | 29.54 | |
| | | High | 3 670.00 | 18.43 | 12.00 | 29.43 | |
| | 64QAM | Low | 3 580.00 | 18.17 | 12.00 | 29.17 | |
| | | Middle | 3 625.00 | 18.01 | 12.00 | 29.01 | |
| | | High | 3 670.00 | 18.15 | 12.00 | 29.15 | |
| | 256QAM | Low | 3 580.00 | 18.06 | 12.00 | 29.06 | |
| | | Middle | 3 625.00 | 18.08 | 12.00 | 29.08 | |
| | | High | 3 670.00 | 18.08 | 12.00 | 29.08 | |

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 2 | QPSK | Low | 3 580.00 | 18.40 | 12.00 | 29.40 | 37 |
| | | Middle | 3 625.00 | 18.05 | 12.00 | 29.05 | |
| | | High | 3 670.00 | 18.05 | 12.00 | 29.05 | |
| | 16QAM | Low | 3 580.00 | 18.79 | 12.00 | 29.79 | |
| | | Middle | 3 625.00 | 18.25 | 12.00 | 29.25 | |
| | | High | 3 670.00 | 18.47 | 12.00 | 29.47 | |
| | 64QAM | Low | 3 580.00 | 18.19 | 12.00 | 29.19 | |
| | | Middle | 3 625.00 | 18.03 | 12.00 | 29.03 | |
| | | High | 3 670.00 | 18.21 | 12.00 | 29.21 | |
| | 256QAM | Low | 3 580.00 | 18.22 | 12.00 | 29.22 | |
| | | Middle | 3 625.00 | 18.07 | 12.00 | 29.07 | |
| | | High | 3 670.00 | 18.17 | 12.00 | 29.17 | |
| 3 | QPSK | Low | 3 580.00 | 18.62 | 12.00 | 29.62 | |
| | | Middle | 3 625.00 | 18.39 | 12.00 | 29.39 | |
| | | High | 3 670.00 | 18.29 | 12.00 | 29.29 | |
| | 16QAM | Low | 3 580.00 | 18.95 | 12.00 | 29.95 | |
| | | Middle | 3 625.00 | 18.73 | 12.00 | 29.73 | |
| | | High | 3 670.00 | 18.75 | 12.00 | 29.75 | |
| | 64QAM | Low | 3 580.00 | 18.42 | 12.00 | 29.42 | |
| | | Middle | 3 625.00 | 18.40 | 12.00 | 29.40 | |
| | | High | 3 670.00 | 18.47 | 12.00 | 29.47 | |
| | 256QAM | Low | 3 580.00 | 18.52 | 12.00 | 29.52 | |
| | | Middle | 3 625.00 | 18.41 | 12.00 | 29.41 | |
| | | High | 3 670.00 | 18.47 | 12.00 | 29.47 | |

Note: 1C: 1 Carrier, 3C: 3 Carrier

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|-----------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 580.00 | 36.39 | 36.76 | 36.24 | 36.26 | 37 |
| 3 625.00 | 36.38 | 36.51 | 36.40 | 36.42 | |
| 3 670.00 | 36.61 | 36.50 | 36.25 | 36.21 | |

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

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | Low | 3 590.00 | 17.20 | 13.00 | 28.20 | 37 |
| | | Middle | 3 625.00 | 17.19 | 13.00 | 28.19 | |
| | | High | 3 660.00 | 17.18 | 13.00 | 28.18 | |
| | 16QAM | Low | 3 590.00 | 17.57 | 13.00 | 28.57 | |
| | | Middle | 3 625.00 | 17.23 | 13.00 | 28.23 | |
| | | High | 3 660.00 | 17.39 | 13.00 | 28.39 | |
| | 64QAM | Low | 3 590.00 | 17.30 | 13.00 | 28.30 | |
| | | Middle | 3 625.00 | 17.32 | 13.00 | 28.32 | |
| | | High | 3 660.00 | 17.14 | 13.00 | 28.14 | |
| | 256QAM | Low | 3 590.00 | 17.20 | 13.00 | 28.20 | |
| | | Middle | 3 625.00 | 17.20 | 13.00 | 28.20 | |
| | | High | 3 660.00 | 17.17 | 13.00 | 28.17 | |
| 1 | QPSK | Low | 3 590.00 | 17.24 | 13.00 | 28.24 | |
| | | Middle | 3 625.00 | 17.21 | 13.00 | 28.21 | |
| | | High | 3 660.00 | 17.30 | 13.00 | 28.30 | |
| | 16QAM | Low | 3 590.00 | 17.57 | 13.00 | 28.57 | |
| | | Middle | 3 625.00 | 17.58 | 13.00 | 28.58 | |
| | | High | 3 660.00 | 17.51 | 13.00 | 28.51 | |
| | 64QAM | Low | 3 590.00 | 17.34 | 13.00 | 28.34 | |
| | | Middle | 3 625.00 | 17.22 | 13.00 | 28.22 | |
| | | High | 3 660.00 | 17.41 | 13.00 | 28.41 | |
| | 256QAM | Low | 3 590.00 | 17.44 | 13.00 | 28.44 | |
| | | Middle | 3 625.00 | 17.18 | 13.00 | 28.18 | |
| | | High | 3 660.00 | 17.32 | 13.00 | 28.32 | |

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 2 | QPSK | Low | 3 590.00 | 17.14 | 13.00 | 28.14 | 37 |
| | | Middle | 3 625.00 | 17.05 | 13.00 | 28.05 | |
| | | High | 3 660.00 | 17.23 | 13.00 | 28.23 | |
| | 16QAM | Low | 3 590.00 | 17.50 | 13.00 | 28.50 | |
| | | Middle | 3 625.00 | 17.29 | 13.00 | 28.29 | |
| | | High | 3 660.00 | 17.21 | 13.00 | 28.21 | |
| | 64QAM | Low | 3 590.00 | 17.24 | 13.00 | 28.24 | |
| | | Middle | 3 625.00 | 17.11 | 13.00 | 28.11 | |
| | | High | 3 660.00 | 17.22 | 13.00 | 28.22 | |
| | 256QAM | Low | 3 590.00 | 17.31 | 13.00 | 28.31 | |
| | | Middle | 3 625.00 | 17.15 | 13.00 | 28.15 | |
| | | High | 3 660.00 | 17.21 | 13.00 | 28.21 | |
| 3 | QPSK | Low | 3 590.00 | 17.36 | 13.00 | 28.36 | |
| | | Middle | 3 625.00 | 17.36 | 13.00 | 28.36 | |
| | | High | 3 660.00 | 17.44 | 13.00 | 28.44 | |
| | 16QAM | Low | 3 590.00 | 17.81 | 13.00 | 28.81 | |
| | | Middle | 3 625.00 | 17.60 | 13.00 | 28.60 | |
| | | High | 3 660.00 | 17.70 | 13.00 | 28.70 | |
| | 64QAM | Low | 3 590.00 | 17.45 | 13.00 | 28.45 | |
| | | Middle | 3 625.00 | 17.42 | 13.00 | 28.42 | |
| | | High | 3 660.00 | 17.51 | 13.00 | 28.51 | |
| | 256QAM | Low | 3 590.00 | 17.47 | 13.00 | 28.47 | |
| | | Middle | 3 625.00 | 17.37 | 13.00 | 28.37 | |
| | | High | 3 660.00 | 17.45 | 13.00 | 28.45 | |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|-----------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 590.00 | 36.26 | 36.64 | 36.35 | 36.38 | 37 |
| 3 625.00 | 36.23 | 36.45 | 36.29 | 36.25 | |
| 3 660.00 | 36.31 | 36.48 | 36.34 | 36.31 | |

CBRS LTE(15 MHz 1C + 15 MHz 1C + 15 MHz 1C + 15 MHz 1C + 10 MHz 1C)[5C]

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | Low | 3 585.00 | 17.21 | 13.00 | 28.21 | 37 |
| | | Middle | 3 625.00 | 17.08 | 13.00 | 28.08 | |
| | | High | 3 665.00 | 17.01 | 13.00 | 28.01 | |
| | 16QAM | Low | 3 585.00 | 17.69 | 13.00 | 28.69 | |
| | | Middle | 3 625.00 | 17.09 | 13.00 | 28.09 | |
| | | High | 3 665.00 | 17.46 | 13.00 | 28.46 | |
| | 64QAM | Low | 3 585.00 | 17.20 | 13.00 | 28.20 | |
| | | Middle | 3 625.00 | 17.14 | 13.00 | 28.14 | |
| | | High | 3 665.00 | 17.14 | 13.00 | 28.14 | |
| | 256QAM | Low | 3 585.00 | 17.04 | 13.00 | 28.04 | |
| | | Middle | 3 625.00 | 17.17 | 13.00 | 28.17 | |
| | | High | 3 665.00 | 17.15 | 13.00 | 28.15 | |
| 1 | QPSK | Low | 3 585.00 | 17.31 | 13.00 | 28.31 | |
| | | Middle | 3 625.00 | 17.10 | 13.00 | 28.10 | |
| | | High | 3 665.00 | 17.14 | 13.00 | 28.14 | |
| | 16QAM | Low | 3 585.00 | 17.60 | 13.00 | 28.60 | |
| | | Middle | 3 625.00 | 17.63 | 13.00 | 28.63 | |
| | | High | 3 665.00 | 17.61 | 13.00 | 28.61 | |
| | 64QAM | Low | 3 585.00 | 17.41 | 13.00 | 28.41 | |
| | | Middle | 3 625.00 | 17.15 | 13.00 | 28.15 | |
| | | High | 3 665.00 | 17.31 | 13.00 | 28.31 | |
| | 256QAM | Low | 3 585.00 | 17.39 | 13.00 | 28.39 | |
| | | Middle | 3 625.00 | 17.23 | 13.00 | 28.23 | |
| | | High | 3 665.00 | 17.32 | 13.00 | 28.32 | |

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 2 | QPSK | Low | 3 585.00 | 17.21 | 13.00 | 28.21 | 37 |
| | | Middle | 3 625.00 | 17.89 | 13.00 | 28.89 | |
| | | High | 3 665.00 | 17.07 | 13.00 | 28.07 | |
| | 16QAM | Low | 3 585.00 | 17.41 | 13.00 | 28.41 | |
| | | Middle | 3 625.00 | 17.37 | 13.00 | 28.37 | |
| | | High | 3 665.00 | 17.35 | 13.00 | 28.35 | |
| | 64QAM | Low | 3 585.00 | 17.20 | 13.00 | 28.20 | |
| | | Middle | 3 625.00 | 17.04 | 13.00 | 28.04 | |
| | | High | 3 665.00 | 17.19 | 13.00 | 28.19 | |
| | 256QAM | Low | 3 585.00 | 17.45 | 13.00 | 28.45 | |
| | | Middle | 3 625.00 | 17.03 | 13.00 | 28.03 | |
| | | High | 3 665.00 | 17.16 | 13.00 | 28.16 | |
| 3 | QPSK | Low | 3 585.00 | 17.38 | 13.00 | 28.38 | |
| | | Middle | 3 625.00 | 17.21 | 13.00 | 28.21 | |
| | | High | 3 665.00 | 17.30 | 13.00 | 28.30 | |
| | 16QAM | Low | 3 585.00 | 17.62 | 13.00 | 28.62 | |
| | | Middle | 3 625.00 | 17.60 | 13.00 | 28.60 | |
| | | High | 3 665.00 | 17.84 | 13.00 | 28.84 | |
| | 64QAM | Low | 3 585.00 | 17.42 | 13.00 | 28.42 | |
| | | Middle | 3 625.00 | 17.31 | 13.00 | 28.31 | |
| | | High | 3 665.00 | 17.45 | 13.00 | 28.45 | |
| | 256QAM | Low | 3 585.00 | 17.67 | 13.00 | 28.67 | |
| | | Middle | 3 625.00 | 17.35 | 13.00 | 28.35 | |
| | | High | 3 665.00 | 17.42 | 13.00 | 28.42 | |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|-----------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 585.00 | 36.30 | 36.60 | 36.33 | 36.42 | 37 |
| 3 625.00 | 36.35 | 36.45 | 36.18 | 36.22 | |
| 3 665.00 | 36.15 | 36.59 | 36.30 | 36.28 | |

CBRS LTE(20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 10 MHz 1C)[5C]

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | Low | 3 595.00 | 17.35 | 13.00 | 28.35 | 37 |
| | | Middle | 3 625.00 | 17.32 | 13.00 | 28.32 | |
| | | High | 3 655.00 | 17.32 | 13.00 | 28.32 | |
| | 16QAM | Low | 3 595.00 | 17.35 | 13.00 | 28.35 | |
| | | Middle | 3 625.00 | 17.34 | 13.00 | 28.34 | |
| | | High | 3 655.00 | 17.36 | 13.00 | 28.36 | |
| | 64QAM | Low | 3 595.00 | 17.35 | 13.00 | 28.35 | |
| | | Middle | 3 625.00 | 17.35 | 13.00 | 28.35 | |
| | | High | 3 655.00 | 17.36 | 13.00 | 28.36 | |
| | 256QAM | Low | 3 595.00 | 17.31 | 13.00 | 28.31 | |
| | | Middle | 3 625.00 | 17.31 | 13.00 | 28.31 | |
| | | High | 3 655.00 | 17.32 | 13.00 | 28.32 | |
| 1 | QPSK | Low | 3 595.00 | 17.32 | 13.00 | 28.32 | |
| | | Middle | 3 625.00 | 17.37 | 13.00 | 28.37 | |
| | | High | 3 655.00 | 17.32 | 13.00 | 28.32 | |
| | 16QAM | Low | 3 595.00 | 17.31 | 13.00 | 28.31 | |
| | | Middle | 3 625.00 | 17.34 | 13.00 | 28.34 | |
| | | High | 3 655.00 | 17.38 | 13.00 | 28.38 | |
| | 64QAM | Low | 3 595.00 | 17.38 | 13.00 | 28.38 | |
| | | Middle | 3 625.00 | 17.36 | 13.00 | 28.36 | |
| | | High | 3 655.00 | 17.34 | 13.00 | 28.34 | |
| | 256QAM | Low | 3 595.00 | 17.32 | 13.00 | 28.32 | |
| | | Middle | 3 625.00 | 17.33 | 13.00 | 28.33 | |
| | | High | 3 655.00 | 17.39 | 13.00 | 28.39 | |

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 2 | QPSK | Low | 3 595.00 | 17.34 | 13.00 | 28.34 | 37 |
| | | Middle | 3 625.00 | 17.34 | 13.00 | 28.34 | |
| | | High | 3 655.00 | 17.33 | 13.00 | 28.33 | |
| | 16QAM | Low | 3 595.00 | 17.36 | 13.00 | 28.36 | |
| | | Middle | 3 625.00 | 17.39 | 13.00 | 28.39 | |
| | | High | 3 655.00 | 17.35 | 13.00 | 28.35 | |
| | 64QAM | Low | 3 595.00 | 17.32 | 13.00 | 28.32 | |
| | | Middle | 3 625.00 | 17.34 | 13.00 | 28.34 | |
| | | High | 3 655.00 | 17.35 | 13.00 | 28.35 | |
| | 256QAM | Low | 3 595.00 | 17.33 | 13.00 | 28.33 | |
| | | Middle | 3 625.00 | 17.34 | 13.00 | 28.34 | |
| | | High | 3 655.00 | 17.32 | 13.00 | 28.32 | |
| 3 | QPSK | Low | 3 595.00 | 17.37 | 13.00 | 28.37 | |
| | | Middle | 3 625.00 | 17.35 | 13.00 | 28.35 | |
| | | High | 3 655.00 | 17.39 | 13.00 | 28.39 | |
| | 16QAM | Low | 3 595.00 | 17.38 | 13.00 | 28.38 | |
| | | Middle | 3 625.00 | 17.36 | 13.00 | 28.36 | |
| | | High | 3 655.00 | 17.39 | 13.00 | 28.39 | |
| | 64QAM | Low | 3 595.00 | 17.36 | 13.00 | 28.36 | |
| | | Middle | 3 625.00 | 17.34 | 13.00 | 28.34 | |
| | | High | 3 655.00 | 17.35 | 13.00 | 28.35 | |
| | 256QAM | Low | 3 595.00 | 17.38 | 13.00 | 28.38 | |
| | | Middle | 3 625.00 | 17.36 | 13.00 | 28.36 | |
| | | High | 3 655.00 | 17.31 | 13.00 | 28.31 | |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|-----------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 595.00 | 36.37 | 36.37 | 36.38 | 36.36 | 37 |
| 3 625.00 | 36.37 | 36.38 | 36.37 | 36.36 | |
| 3 655.00 | 36.36 | 36.39 | 36.37 | 36.35 | |

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) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | Low | 3 600.00 | 16.72 | 13.00 | 27.72 | 37 |
| | | Middle | 3 625.00 | 16.91 | 13.00 | 27.91 | |
| | | High | 3 650.00 | 16.73 | 13.00 | 27.73 | |
| | 16QAM | Low | 3 600.00 | 16.91 | 13.00 | 27.91 | |
| | | Middle | 3 625.00 | 16.77 | 13.00 | 27.77 | |
| | | High | 3 650.00 | 16.91 | 13.00 | 27.91 | |
| | 64QAM | Low | 3 600.00 | 16.79 | 13.00 | 27.79 | |
| | | Middle | 3 625.00 | 16.58 | 13.00 | 27.58 | |
| | | High | 3 650.00 | 16.93 | 13.00 | 27.93 | |
| | 256QAM | Low | 3 600.00 | 16.71 | 13.00 | 27.71 | |
| | | Middle | 3 625.00 | 16.93 | 13.00 | 27.93 | |
| | | High | 3 650.00 | 16.51 | 13.00 | 27.51 | |
| 1 | QPSK | Low | 3 600.00 | 16.90 | 13.00 | 27.90 | |
| | | Middle | 3 625.00 | 16.77 | 13.00 | 27.77 | |
| | | High | 3 650.00 | 16.74 | 13.00 | 27.74 | |
| | 16QAM | Low | 3 600.00 | 16.99 | 13.00 | 27.99 | |
| | | Middle | 3 625.00 | 16.77 | 13.00 | 27.77 | |
| | | High | 3 650.00 | 16.59 | 13.00 | 27.59 | |
| | 64QAM | Low | 3 600.00 | 16.72 | 13.00 | 27.72 | |
| | | Middle | 3 625.00 | 16.52 | 13.00 | 27.52 | |
| | | High | 3 650.00 | 16.50 | 13.00 | 27.50 | |
| | 256QAM | Low | 3 600.00 | 16.93 | 13.00 | 27.93 | |
| | | Middle | 3 625.00 | 16.72 | 13.00 | 27.72 | |
| | | High | 3 650.00 | 16.53 | 13.00 | 27.53 | |

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 2 | QPSK | Low | 3 600.00 | 16.79 | 13.00 | 27.79 | 37 |
| | | Middle | 3 625.00 | 16.58 | 13.00 | 27.58 | |
| | | High | 3 650.00 | 16.90 | 13.00 | 27.90 | |
| | 16QAM | Low | 3 600.00 | 16.72 | 13.00 | 27.72 | |
| | | Middle | 3 625.00 | 16.99 | 13.00 | 27.99 | |
| | | High | 3 650.00 | 16.28 | 13.00 | 27.28 | |
| | 64QAM | Low | 3 600.00 | 16.29 | 13.00 | 27.29 | |
| | | Middle | 3 625.00 | 16.77 | 13.00 | 27.77 | |
| | | High | 3 650.00 | 16.17 | 13.00 | 27.17 | |
| | 256QAM | Low | 3 600.00 | 16.30 | 13.00 | 27.30 | |
| | | Middle | 3 625.00 | 16.97 | 13.00 | 27.97 | |
| | | High | 3 650.00 | 16.19 | 13.00 | 27.19 | |
| 3 | QPSK | Low | 3 600.00 | 16.35 | 13.00 | 27.35 | |
| | | Middle | 3 625.00 | 16.39 | 13.00 | 27.39 | |
| | | High | 3 650.00 | 16.19 | 13.00 | 27.19 | |
| | 16QAM | Low | 3 600.00 | 16.22 | 13.00 | 27.22 | |
| | | Middle | 3 625.00 | 16.53 | 13.00 | 27.53 | |
| | | High | 3 650.00 | 16.67 | 13.00 | 27.67 | |
| | 64QAM | Low | 3 600.00 | 16.49 | 13.00 | 27.49 | |
| | | Middle | 3 625.00 | 16.30 | 13.00 | 27.30 | |
| | | High | 3 650.00 | 16.47 | 13.00 | 27.47 | |
| | 256QAM | Low | 3 600.00 | 16.59 | 13.00 | 27.59 | |
| | | Middle | 3 625.00 | 16.23 | 13.00 | 27.23 | |
| | | High | 3 650.00 | 16.38 | 13.00 | 27.38 | |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|-----------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 600.00 | 35.71 | 35.74 | 35.60 | 35.66 | 37 |
| 3 625.00 | 35.69 | 35.79 | 35.56 | 35.75 | |
| 3 650.00 | 35.67 | 35.64 | 35.55 | 35.43 | |

CBRS NR 40 MHz 1C + NR 20 MHz 1C + NR 20 MHz + LTE 10 MHz 1C + LTE 10 MHz 1C 1C[5C]

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | Low | 3 600.00 | 16.92 | 13.00 | 29.92 | 37 |
| | | Middle | 3 625.00 | 16.95 | 13.00 | 29.95 | |
| | | High | 3 650.00 | 16.96 | 13.00 | 29.96 | |
| | 16QAM | Low | 3 600.00 | 16.95 | 13.00 | 29.95 | |
| | | Middle | 3 625.00 | 16.90 | 13.00 | 29.90 | |
| | | High | 3 650.00 | 16.90 | 13.00 | 29.90 | |
| | 64QAM | Low | 3 600.00 | 16.93 | 13.00 | 29.93 | |
| | | Middle | 3 625.00 | 16.94 | 13.00 | 29.94 | |
| | | High | 3 650.00 | 17.37 | 13.00 | 30.37 | |
| | 256QAM | Low | 3 600.00 | 16.91 | 13.00 | 29.91 | |
| | | Middle | 3 625.00 | 16.97 | 13.00 | 29.97 | |
| | | High | 3 650.00 | 17.35 | 13.00 | 30.35 | |
| 1 | QPSK | Low | 3 600.00 | 16.96 | 13.00 | 29.96 | |
| | | Middle | 3 625.00 | 16.97 | 13.00 | 29.97 | |
| | | High | 3 650.00 | 16.92 | 13.00 | 29.92 | |
| | 16QAM | Low | 3 600.00 | 16.99 | 13.00 | 29.99 | |
| | | Middle | 3 625.00 | 16.92 | 13.00 | 29.92 | |
| | | High | 3 650.00 | 16.95 | 13.00 | 29.95 | |
| | 64QAM | Low | 3 600.00 | 16.96 | 13.00 | 29.96 | |
| | | Middle | 3 625.00 | 16.94 | 13.00 | 29.94 | |
| | | High | 3 650.00 | 17.48 | 13.00 | 30.48 | |
| | 256QAM | Low | 3 600.00 | 16.92 | 13.00 | 29.92 | |
| | | Middle | 3 625.00 | 16.95 | 13.00 | 29.95 | |
| | | High | 3 650.00 | 17.44 | 13.00 | 30.44 | |

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 2 | QPSK | Low | 3 600.00 | 16.75 | 13.00 | 29.75 | 37 |
| | | Middle | 3 625.00 | 16.92 | 13.00 | 29.92 | |
| | | High | 3 650.00 | 16.90 | 13.00 | 29.90 | |
| | 16QAM | Low | 3 600.00 | 16.95 | 13.00 | 29.95 | |
| | | Middle | 3 625.00 | 16.99 | 13.00 | 29.99 | |
| | | High | 3 650.00 | 16.97 | 13.00 | 29.97 | |
| | 64QAM | Low | 3 600.00 | 16.94 | 13.00 | 29.94 | |
| | | Middle | 3 625.00 | 16.98 | 13.00 | 29.98 | |
| | | High | 3 650.00 | 17.38 | 13.00 | 30.38 | |
| | 256QAM | Low | 3 600.00 | 16.97 | 13.00 | 29.97 | |
| | | Middle | 3 625.00 | 16.92 | 13.00 | 29.92 | |
| | | High | 3 650.00 | 17.32 | 13.00 | 30.32 | |
| 3 | QPSK | Low | 3 600.00 | 16.91 | 13.00 | 29.91 | |
| | | Middle | 3 625.00 | 16.97 | 13.00 | 29.97 | |
| | | High | 3 650.00 | 16.20 | 13.00 | 29.20 | |
| | 16QAM | Low | 3 600.00 | 16.95 | 13.00 | 29.95 | |
| | | Middle | 3 625.00 | 16.96 | 13.00 | 29.96 | |
| | | High | 3 650.00 | 16.92 | 13.00 | 29.92 | |
| | 64QAM | Low | 3 600.00 | 16.97 | 13.00 | 29.97 | |
| | | Middle | 3 625.00 | 16.99 | 13.00 | 29.99 | |
| | | High | 3 650.00 | 17.62 | 13.00 | 30.62 | |
| | 256QAM | Low | 3 600.00 | 16.91 | 13.00 | 29.91 | |
| | | Middle | 3 625.00 | 16.93 | 13.00 | 29.93 | |
| | | High | 3 650.00 | 17.59 | 13.00 | 30.59 | |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|-----------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 600.00 | 35.91 | 35.98 | 35.97 | 35.95 | 37 |
| 3 625.00 | 35.97 | 35.96 | 35.99 | 35.96 | |
| 3 650.00 | 35.78 | 35.96 | 36.48 | 36.45 | |

CBRS NR 40 MHz 1C + NR 10 MHz 1C + LTE 20 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C[5C]

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | Low | 3 590.00 | 17.13 | 13.00 | 30.13 | 37 |
| | | Middle | 3 625.00 | 17.43 | 13.00 | 30.43 | |
| | | High | 3 660.00 | 17.23 | 13.00 | 30.23 | |
| | 16QAM | Low | 3 590.00 | 17.12 | 13.00 | 30.12 | |
| | | Middle | 3 625.00 | 17.99 | 13.00 | 30.99 | |
| | | High | 3 660.00 | 17.23 | 13.00 | 30.23 | |
| | 64QAM | Low | 3 590.00 | 17.25 | 13.00 | 30.25 | |
| | | Middle | 3 625.00 | 17.47 | 13.00 | 30.47 | |
| | | High | 3 660.00 | 17.28 | 13.00 | 30.28 | |
| | 256QAM | Low | 3 590.00 | 17.22 | 13.00 | 30.22 | |
| | | Middle | 3 625.00 | 17.46 | 13.00 | 30.46 | |
| | | High | 3 660.00 | 17.30 | 13.00 | 30.30 | |
| 1 | QPSK | Low | 3 590.00 | 17.10 | 13.00 | 30.10 | |
| | | Middle | 3 625.00 | 17.14 | 13.00 | 30.14 | |
| | | High | 3 660.00 | 17.23 | 13.00 | 30.23 | |
| | 16QAM | Low | 3 590.00 | 17.35 | 13.00 | 30.35 | |
| | | Middle | 3 625.00 | 17.22 | 13.00 | 30.22 | |
| | | High | 3 660.00 | 17.31 | 13.00 | 30.31 | |
| | 64QAM | Low | 3 590.00 | 17.26 | 13.00 | 30.26 | |
| | | Middle | 3 625.00 | 17.28 | 13.00 | 30.28 | |
| | | High | 3 660.00 | 17.36 | 13.00 | 30.36 | |
| | 256QAM | Low | 3 590.00 | 17.26 | 13.00 | 30.26 | |
| | | Middle | 3 625.00 | 17.29 | 13.00 | 30.29 | |
| | | High | 3 660.00 | 17.35 | 13.00 | 30.35 | |

| Ant. | Mod | Ch | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|--------|-----------------|--------------------------|------------------------|---------------|-----------------|
| 2 | QPSK | Low | 3 590.00 | 17.04 | 13.00 | 30.04 | 37 |
| | | Middle | 3 625.00 | 17.96 | 13.00 | 30.96 | |
| | | High | 3 660.00 | 17.15 | 13.00 | 30.15 | |
| | 16QAM | Low | 3 590.00 | 17.09 | 13.00 | 30.09 | |
| | | Middle | 3 625.00 | 17.06 | 13.00 | 30.06 | |
| | | High | 3 660.00 | 17.17 | 13.00 | 30.17 | |
| | 64QAM | Low | 3 590.00 | 17.19 | 13.00 | 30.19 | |
| | | Middle | 3 625.00 | 17.12 | 13.00 | 30.12 | |
| | | High | 3 660.00 | 17.17 | 13.00 | 30.17 | |
| | 256QAM | Low | 3 590.00 | 17.13 | 13.00 | 30.13 | |
| | | Middle | 3 625.00 | 17.06 | 13.00 | 30.06 | |
| | | High | 3 660.00 | 17.13 | 13.00 | 30.13 | |
| 3 | QPSK | Low | 3 590.00 | 17.18 | 13.00 | 30.18 | |
| | | Middle | 3 625.00 | 17.37 | 13.00 | 30.37 | |
| | | High | 3 660.00 | 17.36 | 13.00 | 30.36 | |
| | 16QAM | Low | 3 590.00 | 17.33 | 13.00 | 30.33 | |
| | | Middle | 3 625.00 | 17.30 | 13.00 | 30.30 | |
| | | High | 3 660.00 | 17.33 | 13.00 | 30.33 | |
| | 64QAM | Low | 3 590.00 | 17.34 | 13.00 | 30.34 | |
| | | Middle | 3 625.00 | 17.50 | 13.00 | 30.50 | |
| | | High | 3 660.00 | 17.42 | 13.00 | 30.42 | |
| | 256QAM | Low | 3 590.00 | 17.32 | 13.00 | 30.32 | |
| | | Middle | 3 625.00 | 17.42 | 13.00 | 30.42 | |
| | | High | 3 660.00 | 17.34 | 13.00 | 30.34 | |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|-----------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 590.00 | 36.13 | 36.25 | 36.28 | 36.25 | 37 |
| 3 625.00 | 36.51 | 36.43 | 36.37 | 36.33 | |
| 3 660.00 | 36.26 | 36.28 | 36.33 | 36.30 | |

Tabular Data of Non-Contiguous PSD
CBRS NR(60 MHz 1C + 30 MHz 1C)[2C]

| Ant. | Mod | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|---------------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | 3 580.00 + 3 685.00 | 17.18 | 13.00 | 28.18 | 37 |
| | 16QAM | 3 580.00 + 3 685.00 | 17.31 | 13.00 | 28.31 | |
| | 64QAM | 3 580.00 + 3 685.00 | 17.35 | 13.00 | 28.35 | |
| | 256QAM | 3 580.00 + 3 685.00 | 17.41 | 13.00 | 28.41 | |
| 1 | QPSK | 3 580.00 + 3 685.00 | 17.36 | 13.00 | 28.36 | |
| | 16QAM | 3 580.00 + 3 685.00 | 17.43 | 13.00 | 28.43 | |
| | 64QAM | 3 580.00 + 3 685.00 | 17.45 | 13.00 | 28.45 | |
| | 256QAM | 3 580.00 + 3 685.00 | 17.43 | 13.00 | 28.43 | |
| 2 | QPSK | 3 580.00 + 3 685.00 | 17.43 | 13.00 | 28.43 | |
| | 16QAM | 3 580.00 + 3 685.00 | 17.27 | 13.00 | 28.27 | |
| | 64QAM | 3 580.00 + 3 685.00 | 17.33 | 13.00 | 28.33 | |
| | 256QAM | 3 580.00 + 3 685.00 | 17.37 | 13.00 | 28.37 | |
| 3 | QPSK | 3 580.00 + 3 685.00 | 17.43 | 13.00 | 28.43 | |
| | 16QAM | 3 580.00 + 3 685.00 | 17.43 | 13.00 | 28.43 | |
| | 64QAM | 3 580.00 + 3 685.00 | 17.43 | 13.00 | 28.43 | |
| | 256QAM | 3 580.00 + 3 685.00 | 17.44 | 13.00 | 28.44 | |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|---------------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 580.00 + 3 685.00 | 36.37 | 36.38 | 36.41 | 36.43 | 37 |

CBRS LTE(15 MHz 1C + 15 MHz 1C)[2C]

| Ant. | Mod | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|---------------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | 3 557.50 + 3 692.50 | 18.47 | 12.00 | 29.47 | 37 |
| | 16QAM | 3 557.50 + 3 692.50 | 18.91 | 12.00 | 29.91 | |
| | 64QAM | 3 557.50 + 3 692.50 | 18.41 | 12.00 | 29.41 | |
| | 256QAM | 3 557.50 + 3 692.50 | 18.62 | 12.00 | 29.62 | |
| 1 | QPSK | 3 557.50 + 3 692.50 | 18.39 | 12.00 | 29.39 | |
| | 16QAM | 3 557.50 + 3 692.50 | 18.84 | 12.00 | 29.84 | |
| | 64QAM | 3 557.50 + 3 692.50 | 18.44 | 12.00 | 29.44 | |
| | 256QAM | 3 557.50 + 3 692.50 | 18.63 | 12.00 | 29.63 | |
| 2 | QPSK | 3 557.50 + 3 692.50 | 18.91 | 12.00 | 29.91 | |
| | 16QAM | 3 557.50 + 3 692.50 | 18.36 | 12.00 | 29.36 | |
| | 64QAM | 3 557.50 + 3 692.50 | 18.77 | 12.00 | 29.77 | |
| | 256QAM | 3 557.50 + 3 692.50 | 18.91 | 12.00 | 29.91 | |
| 3 | QPSK | 3 557.50 + 3 692.50 | 18.60 | 12.00 | 29.60 | |
| | 16QAM | 3 557.50 + 3 692.50 | 18.50 | 12.00 | 29.50 | |
| | 64QAM | 3 557.50 + 3 692.50 | 18.65 | 12.00 | 29.65 | |
| | 256QAM | 3 557.50 + 3 692.50 | 18.55 | 12.00 | 29.55 | |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|---------------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 557.50 + 3 692.50 | 36.62 | 36.68 | 36.59 | 36.70 | 37 |

CBRS LTE 5 MHz 1C + NR 10 MHz 1C[2C]

| Ant. | Mod | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|---------------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | 3 552.50 + 3 695.00 | 18.31 | 11.00 | 29.31 | 37 |
| | 16QAM | 3 552.50 + 3 695.00 | 18.77 | 11.00 | 29.77 | |
| | 64QAM | 3 552.50 + 3 695.00 | 18.39 | 11.00 | 29.39 | |
| | 256QAM | 3 552.50 + 3 695.00 | 18.37 | 11.00 | 29.37 | |
| 1 | QPSK | 3 552.50 + 3 695.00 | 18.48 | 11.00 | 29.48 | |
| | 16QAM | 3 552.50 + 3 695.00 | 18.83 | 11.00 | 29.83 | |
| | 64QAM | 3 552.50 + 3 695.00 | 18.74 | 11.00 | 29.74 | |
| | 256QAM | 3 552.50 + 3 695.00 | 18.64 | 11.00 | 29.64 | |
| 2 | QPSK | 3 552.50 + 3 695.00 | 18.33 | 11.00 | 29.33 | |
| | 16QAM | 3 552.50 + 3 695.00 | 18.62 | 11.00 | 29.62 | |
| | 64QAM | 3 552.50 + 3 695.00 | 18.47 | 11.00 | 29.47 | |
| | 256QAM | 3 552.50 + 3 695.00 | 18.47 | 11.00 | 29.47 | |
| 3 | QPSK | 3 552.50 + 3 695.00 | 18.61 | 11.00 | 29.61 | |
| | 16QAM | 3 552.50 + 3 695.00 | 18.97 | 11.00 | 29.97 | |
| | 64QAM | 3 552.50 + 3 695.00 | 18.83 | 11.00 | 29.83 | |
| | 256QAM | 3 552.50 + 3 695.00 | 18.80 | 11.00 | 29.80 | |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|---------------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 552.50 + 3 695.00 | 35.45 | 35.82 | 35.63 | 35.59 | 37 |

CBRS NR[20 MHz 1C + (20 MHz 1C + 10 MHz 1C)][3C(1C+2C)]

| Ant. | Mod | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|---------------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | 3 560.00 + 3 685.00 | 18.34 | 12.00 | 29.34 | 37 |
| | 16QAM | 3 560.00 + 3 685.00 | 18.40 | 12.00 | 29.40 | |
| | 64QAM | 3 560.00 + 3 685.00 | 18.42 | 12.00 | 29.42 | |
| | 256QAM | 3 560.00 + 3 685.00 | 18.37 | 12.00 | 29.37 | |
| 1 | QPSK | 3 560.00 + 3 685.00 | 18.52 | 12.00 | 29.52 | |
| | 16QAM | 3 560.00 + 3 685.00 | 18.60 | 12.00 | 29.60 | |
| | 64QAM | 3 560.00 + 3 685.00 | 18.53 | 12.00 | 29.53 | |
| | 256QAM | 3 560.00 + 3 685.00 | 18.54 | 12.00 | 29.54 | |
| 2 | QPSK | 3 560.00 + 3 685.00 | 18.45 | 12.00 | 29.45 | |
| | 16QAM | 3 560.00 + 3 685.00 | 18.50 | 12.00 | 29.50 | |
| | 64QAM | 3 560.00 + 3 685.00 | 18.50 | 12.00 | 29.50 | |
| | 256QAM | 3 560.00 + 3 685.00 | 18.40 | 12.00 | 29.40 | |
| 3 | QPSK | 3 560.00 + 3 685.00 | 18.72 | 12.00 | 29.72 | |
| | 16QAM | 3 560.00 + 3 685.00 | 18.63 | 12.00 | 29.63 | |
| | 64QAM | 3 560.00 + 3 685.00 | 18.71 | 12.00 | 29.71 | |
| | 256QAM | 3 560.00 + 3 685.00 | 18.73 | 12.00 | 29.73 | |

Note: 1C: 1 Carrier, 2C: 2 Carrier, 3C: 3 Carrier

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|---------------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 560.00 + 3 685.00 | 36.53 | 36.56 | 36.56 | 36.53 | 37 |

CBRS NR[(20 MHz 1C + 20 MHz 1C) + 10 MHz 1C][3C(2C+1C)]

| Ant. | Mod | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|---------------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | 3 570.00 + 3 695.00 | 18.95 | 12.00 | 29.95 | 37 |
| | 16QAM | 3 570.00 + 3 695.00 | 18.99 | 12.00 | 29.99 | |
| | 64QAM | 3 570.00 + 3 695.00 | 18.41 | 12.00 | 29.41 | |
| | 256QAM | 3 570.00 + 3 695.00 | 18.30 | 12.00 | 29.30 | |
| 1 | QPSK | 3 570.00 + 3 695.00 | 18.36 | 12.00 | 29.36 | |
| | 16QAM | 3 570.00 + 3 695.00 | 18.44 | 12.00 | 29.44 | |
| | 64QAM | 3 570.00 + 3 695.00 | 18.58 | 12.00 | 29.58 | |
| | 256QAM | 3 570.00 + 3 695.00 | 18.26 | 12.00 | 29.26 | |
| 2 | QPSK | 3 570.00 + 3 695.00 | 18.36 | 12.00 | 29.36 | |
| | 16QAM | 3 570.00 + 3 695.00 | 18.46 | 12.00 | 29.46 | |
| | 64QAM | 3 570.00 + 3 695.00 | 18.43 | 12.00 | 29.43 | |
| | 256QAM | 3 570.00 + 3 695.00 | 18.59 | 12.00 | 29.59 | |
| 3 | QPSK | 3 570.00 + 3 695.00 | 18.66 | 12.00 | 29.66 | |
| | 16QAM | 3 570.00 + 3 695.00 | 18.60 | 12.00 | 29.60 | |
| | 64QAM | 3 570.00 + 3 695.00 | 18.73 | 12.00 | 29.73 | |
| | 256QAM | 3 570.00 + 3 695.00 | 18.72 | 12.00 | 29.72 | |

Note: 1C: 1 Carrier, 2C: 2 Carrier, 3C: 3 Carrier

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|---------------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 570.00 + 3 695.00 | 36.61 | 36.65 | 36.56 | 36.49 | 37 |

CBRS NR[30 MHz 1C + (30 MHz 1C + 10 MHz 1C)][3C(1C+2C)]

| Ant. | Mod | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|---------------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | 3 565.00 + 3 680.00 | 17.73 | 13.00 | 28.73 | 37 |
| | 16QAM | 3 565.00 + 3 680.00 | 17.98 | 13.00 | 28.98 | |
| | 64QAM | 3 565.00 + 3 680.00 | 17.93 | 13.00 | 28.93 | |
| | 256QAM | 3 565.00 + 3 680.00 | 17.99 | 13.00 | 28.99 | |
| 1 | QPSK | 3 565.00 + 3 680.00 | 17.75 | 13.00 | 28.75 | |
| | 16QAM | 3 565.00 + 3 680.00 | 17.98 | 13.00 | 28.98 | |
| | 64QAM | 3 565.00 + 3 680.00 | 17.99 | 13.00 | 28.99 | |
| | 256QAM | 3 565.00 + 3 680.00 | 17.75 | 13.00 | 28.75 | |
| 2 | QPSK | 3 565.00 + 3 680.00 | 17.76 | 13.00 | 28.76 | |
| | 16QAM | 3 565.00 + 3 680.00 | 17.99 | 13.00 | 28.99 | |
| | 64QAM | 3 565.00 + 3 680.00 | 17.98 | 13.00 | 28.98 | |
| | 256QAM | 3 565.00 + 3 680.00 | 17.91 | 13.00 | 28.91 | |
| 3 | QPSK | 3 565.00 + 3 680.00 | 17.94 | 13.00 | 28.94 | |
| | 16QAM | 3 565.00 + 3 680.00 | 17.98 | 13.00 | 28.98 | |
| | 64QAM | 3 565.00 + 3 680.00 | 17.92 | 13.00 | 28.92 | |
| | 256QAM | 3 565.00 + 3 680.00 | 17.97 | 13.00 | 28.97 | |

Note: 1C: 1 Carrier, 2C: 2 Carrier, 3C: 3 Carrier

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|---------------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 565.00 + 3 680.00 | 36.82 | 36.99 | 36.98 | 36.92 | 37 |

CBRS NR[(30 MHz 1C + 30 MHz 1C) + 10 MHz 1C][3C(2C+1C)]

| Ant. | Mod | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|---------------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | 3 580.00 + 3 695.00 | 18.00 | 13.00 | 29.00 | 37 |
| | 16QAM | 3 580.00 + 3 695.00 | 17.95 | 13.00 | 28.95 | |
| | 64QAM | 3 580.00 + 3 695.00 | 17.90 | 13.00 | 28.90 | |
| | 256QAM | 3 580.00 + 3 695.00 | 17.95 | 13.00 | 28.95 | |
| 1 | QPSK | 3 580.00 + 3 695.00 | 17.99 | 13.00 | 28.99 | |
| | 16QAM | 3 580.00 + 3 695.00 | 17.99 | 13.00 | 28.99 | |
| | 64QAM | 3 580.00 + 3 695.00 | 17.93 | 13.00 | 28.93 | |
| | 256QAM | 3 580.00 + 3 695.00 | 17.97 | 13.00 | 28.97 | |
| 2 | QPSK | 3 580.00 + 3 695.00 | 17.97 | 13.00 | 28.97 | |
| | 16QAM | 3 580.00 + 3 695.00 | 17.93 | 13.00 | 28.93 | |
| | 64QAM | 3 580.00 + 3 695.00 | 17.98 | 13.00 | 28.98 | |
| | 256QAM | 3 580.00 + 3 695.00 | 18.00 | 13.00 | 29.00 | |
| 3 | QPSK | 3 580.00 + 3 695.00 | 17.99 | 13.00 | 28.99 | |
| | 16QAM | 3 580.00 + 3 695.00 | 17.93 | 13.00 | 28.93 | |
| | 64QAM | 3 580.00 + 3 695.00 | 17.99 | 13.00 | 28.99 | |
| | 256QAM | 3 580.00 + 3 695.00 | 17.91 | 13.00 | 28.91 | |

Note: 1C: 1 Carrier, 2C: 2 Carrier, 3C: 3 Carrier

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|---------------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 580.00 + 3 695.00 | 35.01 | 34.97 | 34.97 | 34.98 | 37 |

CBRS LTE[15 MHz 1C + (15 MHz 1C + 10 MHz 1C)][3C(1C+2C)]

| Ant. | Mod | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|---------------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | 3 557.50 + 3 687.50 | 18.90 | 12.00 | 29.90 | 37 |
| | 16QAM | 3 557.50 + 3 687.50 | 18.73 | 12.00 | 29.73 | |
| | 64QAM | 3 557.50 + 3 687.50 | 18.48 | 12.00 | 29.48 | |
| | 256QAM | 3 557.50 + 3 687.50 | 18.41 | 12.00 | 29.41 | |
| 1 | QPSK | 3 557.50 + 3 687.50 | 18.44 | 12.00 | 29.44 | |
| | 16QAM | 3 557.50 + 3 687.50 | 18.91 | 12.00 | 29.91 | |
| | 64QAM | 3 557.50 + 3 687.50 | 18.77 | 12.00 | 29.77 | |
| | 256QAM | 3 557.50 + 3 687.50 | 18.69 | 12.00 | 29.69 | |
| 2 | QPSK | 3 557.50 + 3 687.50 | 18.43 | 12.00 | 29.43 | |
| | 16QAM | 3 557.50 + 3 687.50 | 18.71 | 12.00 | 29.71 | |
| | 64QAM | 3 557.50 + 3 687.50 | 18.60 | 12.00 | 29.60 | |
| | 256QAM | 3 557.50 + 3 687.50 | 18.65 | 12.00 | 29.65 | |
| 3 | QPSK | 3 557.50 + 3 687.50 | 18.64 | 12.00 | 29.64 | |
| | 16QAM | 3 557.50 + 3 687.50 | 18.99 | 12.00 | 29.99 | |
| | 64QAM | 3 557.50 + 3 687.50 | 18.80 | 12.00 | 29.80 | |
| | 256QAM | 3 557.50 + 3 687.50 | 18.83 | 12.00 | 29.83 | |

Note: 1C: 1 Carrier, 2C: 2 Carrier, 3C: 3 Carrier

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|---------------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 557.50 + 3 687.50 | 36.63 | 36.86 | 36.68 | 36.67 | 37 |

CBRS LTE[(15 MHz 1C + 15 MHz 1C) + 10 MHz 1C][3C(2C+1C)]

| Ant. | Mod | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|---------------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | 3 565.00 + 3 695.00 | 18.31 | 12.00 | 29.31 | 37 |
| | 16QAM | 3 565.00 + 3 695.00 | 18.78 | 12.00 | 29.78 | |
| | 64QAM | 3 565.00 + 3 695.00 | 18.38 | 12.00 | 29.38 | |
| | 256QAM | 3 565.00 + 3 695.00 | 18.40 | 12.00 | 29.40 | |
| 1 | QPSK | 3 565.00 + 3 695.00 | 18.47 | 12.00 | 29.47 | |
| | 16QAM | 3 565.00 + 3 695.00 | 18.97 | 12.00 | 29.97 | |
| | 64QAM | 3 565.00 + 3 695.00 | 18.55 | 12.00 | 29.55 | |
| | 256QAM | 3 565.00 + 3 695.00 | 18.56 | 12.00 | 29.56 | |
| 2 | QPSK | 3 565.00 + 3 695.00 | 18.37 | 12.00 | 29.37 | |
| | 16QAM | 3 565.00 + 3 695.00 | 18.71 | 12.00 | 29.71 | |
| | 64QAM | 3 565.00 + 3 695.00 | 18.47 | 12.00 | 29.47 | |
| | 256QAM | 3 565.00 + 3 695.00 | 18.49 | 12.00 | 29.49 | |
| 3 | QPSK | 3 565.00 + 3 695.00 | 18.61 | 12.00 | 29.61 | |
| | 16QAM | 3 565.00 + 3 695.00 | 19.00 | 12.00 | 30.00 | |
| | 64QAM | 3 565.00 + 3 695.00 | 18.69 | 12.00 | 29.69 | |
| | 256QAM | 3 565.00 + 3 695.00 | 18.65 | 12.00 | 29.65 | |

Note: 1C: 1 Carrier, 2C: 2 Carrier, 3C: 3 Carrier

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|---------------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 565.00 + 3 695.00 | 36.46 | 36.89 | 36.55 | 36.55 | 37 |

CBRS LTE[20 MHz 1C + (15 MHz 1C + 15 MHz 1C)][3C(1C+2C)]

| Ant. | Mod | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|---------------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | 3 560.00 + 3 685.00 | 18.94 | 12.00 | 29.94 | 37 |
| | 16QAM | 3 560.00 + 3 685.00 | 18.49 | 12.00 | 29.49 | |
| | 64QAM | 3 560.00 + 3 685.00 | 18.99 | 12.00 | 29.99 | |
| | 256QAM | 3 560.00 + 3 685.00 | 18.21 | 12.00 | 29.21 | |
| 1 | QPSK | 3 560.00 + 3 685.00 | 18.44 | 12.00 | 29.44 | |
| | 16QAM | 3 560.00 + 3 685.00 | 18.80 | 12.00 | 29.80 | |
| | 64QAM | 3 560.00 + 3 685.00 | 18.44 | 12.00 | 29.44 | |
| | 256QAM | 3 560.00 + 3 685.00 | 18.52 | 12.00 | 29.52 | |
| 2 | QPSK | 3 560.00 + 3 685.00 | 18.41 | 12.00 | 29.41 | |
| | 16QAM | 3 560.00 + 3 685.00 | 18.65 | 12.00 | 29.65 | |
| | 64QAM | 3 560.00 + 3 685.00 | 18.37 | 12.00 | 29.37 | |
| | 256QAM | 3 560.00 + 3 685.00 | 18.37 | 12.00 | 29.37 | |
| 3 | QPSK | 3 560.00 + 3 685.00 | 18.54 | 12.00 | 29.54 | |
| | 16QAM | 3 560.00 + 3 685.00 | 18.78 | 12.00 | 29.78 | |
| | 64QAM | 3 560.00 + 3 685.00 | 18.58 | 12.00 | 29.58 | |
| | 256QAM | 3 560.00 + 3 685.00 | 18.64 | 12.00 | 29.64 | |

Note: 1C: 1 Carrier, 2C: 2 Carrier, 3C: 3 Carrier

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|---------------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 560.00 + 3 685.00 | 36.61 | 36.70 | 36.62 | 36.46 | 37 |

CBRS LTE[(20 MHz 1C + 15 MHz 1C) + 15 MHz 1C][3C(2C+1C)]

| Ant. | Mod | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|---------------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | 3 567.50 + 3 692.50 | 18.82 | 12.00 | 29.82 | 37 |
| | 16QAM | 3 567.50 + 3 692.50 | 18.42 | 12.00 | 29.42 | |
| | 64QAM | 3 567.50 + 3 692.50 | 18.07 | 12.00 | 29.07 | |
| | 256QAM | 3 567.50 + 3 692.50 | 18.99 | 12.00 | 29.99 | |
| 1 | QPSK | 3 567.50 + 3 692.50 | 18.18 | 12.00 | 29.18 | |
| | 16QAM | 3 567.50 + 3 692.50 | 18.84 | 12.00 | 29.84 | |
| | 64QAM | 3 567.50 + 3 692.50 | 18.26 | 12.00 | 29.26 | |
| | 256QAM | 3 567.50 + 3 692.50 | 18.36 | 12.00 | 29.36 | |
| 2 | QPSK | 3 567.50 + 3 692.50 | 18.31 | 12.00 | 29.31 | |
| | 16QAM | 3 567.50 + 3 692.50 | 18.59 | 12.00 | 29.59 | |
| | 64QAM | 3 567.50 + 3 692.50 | 18.23 | 12.00 | 29.23 | |
| | 256QAM | 3 567.50 + 3 692.50 | 18.38 | 12.00 | 29.38 | |
| 3 | QPSK | 3 567.50 + 3 692.50 | 18.43 | 12.00 | 29.43 | |
| | 16QAM | 3 567.50 + 3 692.50 | 18.82 | 12.00 | 29.82 | |
| | 64QAM | 3 567.50 + 3 692.50 | 18.44 | 12.00 | 29.44 | |
| | 256QAM | 3 567.50 + 3 692.50 | 18.55 | 12.00 | 29.55 | |

Note: 1C: 1 Carrier, 2C: 2 Carrier, 3C: 3 Carrier

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|---------------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 567.50 + 3 692.50 | 36.46 | 36.69 | 36.27 | 36.60 | 37 |

CBRS LTE[20 MHz 1C + (20 MHz 1C + 20 MHz 1C)][3C(1C+2C)]

| Ant. | Mod | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|---------------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | 3 560.00 + 3 680.00 | 18.88 | 12.00 | 29.88 | 37 |
| | 16QAM | 3 560.00 + 3 680.00 | 18.59 | 12.00 | 29.59 | |
| | 64QAM | 3 560.00 + 3 680.00 | 18.34 | 12.00 | 29.34 | |
| | 256QAM | 3 560.00 + 3 680.00 | 18.85 | 12.00 | 29.85 | |
| 1 | QPSK | 3 560.00 + 3 680.00 | 18.49 | 12.00 | 29.49 | |
| | 16QAM | 3 560.00 + 3 680.00 | 18.94 | 12.00 | 29.94 | |
| | 64QAM | 3 560.00 + 3 680.00 | 18.59 | 12.00 | 29.59 | |
| | 256QAM | 3 560.00 + 3 680.00 | 18.50 | 12.00 | 29.50 | |
| 2 | QPSK | 3 560.00 + 3 680.00 | 18.44 | 12.00 | 29.44 | |
| | 16QAM | 3 560.00 + 3 680.00 | 18.67 | 12.00 | 29.67 | |
| | 64QAM | 3 560.00 + 3 680.00 | 18.55 | 12.00 | 29.55 | |
| | 256QAM | 3 560.00 + 3 680.00 | 18.52 | 12.00 | 29.52 | |
| 3 | QPSK | 3 560.00 + 3 680.00 | 18.68 | 12.00 | 29.68 | |
| | 16QAM | 3 560.00 + 3 680.00 | 18.90 | 12.00 | 29.90 | |
| | 64QAM | 3 560.00 + 3 680.00 | 18.64 | 12.00 | 29.64 | |
| | 256QAM | 3 560.00 + 3 680.00 | 18.79 | 12.00 | 29.79 | |

Note: 1C: 1 Carrier, 2C: 2 Carrier, 3C: 3 Carrier

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|---------------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 560.00 + 3 680.00 | 36.65 | 36.80 | 36.55 | 36.69 | 37 |

CBRS LTE[(20 MHz 1C + 20 MHz 1C) + 20 MHz 1C][3C(2C+1C)]

| Ant. | Mod | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|---------------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | 3 570.00 + 3 690.00 | 18.65 | 12.00 | 29.65 | 37 |
| | 16QAM | 3 570.00 + 3 690.00 | 18.52 | 12.00 | 29.52 | |
| | 64QAM | 3 570.00 + 3 690.00 | 18.92 | 12.00 | 29.92 | |
| | 256QAM | 3 570.00 + 3 690.00 | 18.80 | 12.00 | 29.80 | |
| 1 | QPSK | 3 570.00 + 3 690.00 | 18.25 | 12.00 | 29.25 | |
| | 16QAM | 3 570.00 + 3 690.00 | 18.52 | 12.00 | 29.52 | |
| | 64QAM | 3 570.00 + 3 690.00 | 18.17 | 12.00 | 29.17 | |
| | 256QAM | 3 570.00 + 3 690.00 | 18.34 | 12.00 | 29.34 | |
| 2 | QPSK | 3 570.00 + 3 690.00 | 18.28 | 12.00 | 29.28 | |
| | 16QAM | 3 570.00 + 3 690.00 | 18.17 | 12.00 | 29.17 | |
| | 64QAM | 3 570.00 + 3 690.00 | 18.25 | 12.00 | 29.25 | |
| | 256QAM | 3 570.00 + 3 690.00 | 18.32 | 12.00 | 29.32 | |
| 3 | QPSK | 3 570.00 + 3 690.00 | 18.48 | 12.00 | 29.48 | |
| | 16QAM | 3 570.00 + 3 690.00 | 18.69 | 12.00 | 29.69 | |
| | 64QAM | 3 570.00 + 3 690.00 | 18.43 | 12.00 | 29.43 | |
| | 256QAM | 3 570.00 + 3 690.00 | 18.47 | 12.00 | 29.47 | |

Note: 1C: 1 Carrier, 2C: 2 Carrier, 3C: 3 Carrier

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|---------------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 570.00 + 3 690.00 | 36.44 | 36.50 | 36.47 | 36.51 | 37 |

CBRS LTE[20 MHz 1C + (20 MHz 1C + 20 MHz 1C + 20 MHz 1C)][4C(1C+3C)]

| Ant. | Mod | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|---------------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | 3 560.00 + 3 670.00 | 17.72 | 13.00 | 28.72 | 37 |
| | 16QAM | 3 560.00 + 3 670.00 | 17.83 | 13.00 | 28.83 | |
| | 64QAM | 3 560.00 + 3 670.00 | 17.41 | 13.00 | 28.41 | |
| | 256QAM | 3 560.00 + 3 670.00 | 17.51 | 13.00 | 28.51 | |
| 1 | QPSK | 3 560.00 + 3 670.00 | 17.92 | 13.00 | 28.92 | |
| | 16QAM | 3 560.00 + 3 670.00 | 17.93 | 13.00 | 28.93 | |
| | 64QAM | 3 560.00 + 3 670.00 | 17.64 | 13.00 | 28.64 | |
| | 256QAM | 3 560.00 + 3 670.00 | 17.63 | 13.00 | 28.63 | |
| 2 | QPSK | 3 560.00 + 3 670.00 | 17.74 | 13.00 | 28.74 | |
| | 16QAM | 3 560.00 + 3 670.00 | 17.78 | 13.00 | 28.78 | |
| | 64QAM | 3 560.00 + 3 670.00 | 17.49 | 13.00 | 28.49 | |
| | 256QAM | 3 560.00 + 3 670.00 | 17.56 | 13.00 | 28.56 | |
| 3 | QPSK | 3 560.00 + 3 670.00 | 17.99 | 13.00 | 28.99 | |
| | 16QAM | 3 560.00 + 3 670.00 | 17.96 | 13.00 | 28.96 | |
| | 64QAM | 3 560.00 + 3 670.00 | 17.75 | 13.00 | 28.75 | |
| | 256QAM | 3 560.00 + 3 670.00 | 17.78 | 13.00 | 28.78 | |

Note: 1C: 1 Carrier, 3C: 3 Carrier, 4C: 4 Carrier

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|---------------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 560.00 + 3 670.00 | 36.86 | 36.89 | 36.59 | 36.64 | 37 |

CBRS LTE[(20 MHz 1C + 20 MHz 1C + 20 MHz 1C) + 20 MHz 1C][4C(3C+1C)]

| Ant. | Mod | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|---------------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | 3 580.00 + 3 690.00 | 17.10 | 13.00 | 28.10 | 37 |
| | 16QAM | 3 580.00 + 3 690.00 | 17.47 | 13.00 | 28.47 | |
| | 64QAM | 3 580.00 + 3 690.00 | 17.07 | 13.00 | 28.07 | |
| | 256QAM | 3 580.00 + 3 690.00 | 17.18 | 13.00 | 28.18 | |
| 1 | QPSK | 3 580.00 + 3 690.00 | 17.26 | 13.00 | 28.26 | |
| | 16QAM | 3 580.00 + 3 690.00 | 17.69 | 13.00 | 28.69 | |
| | 64QAM | 3 580.00 + 3 690.00 | 17.29 | 13.00 | 28.29 | |
| | 256QAM | 3 580.00 + 3 690.00 | 17.27 | 13.00 | 28.27 | |
| 2 | QPSK | 3 580.00 + 3 690.00 | 17.06 | 13.00 | 28.06 | |
| | 16QAM | 3 580.00 + 3 690.00 | 17.34 | 13.00 | 28.34 | |
| | 64QAM | 3 580.00 + 3 690.00 | 17.30 | 13.00 | 28.30 | |
| | 256QAM | 3 580.00 + 3 690.00 | 17.19 | 13.00 | 28.19 | |
| 3 | QPSK | 3 580.00 + 3 690.00 | 17.32 | 13.00 | 28.32 | |
| | 16QAM | 3 580.00 + 3 690.00 | 17.73 | 13.00 | 28.73 | |
| | 64QAM | 3 580.00 + 3 690.00 | 17.48 | 13.00 | 28.48 | |
| | 256QAM | 3 580.00 + 3 690.00 | 17.38 | 13.00 | 28.38 | |

Note: 1C: 1 Carrier, 3C: 3 Carrier, 4C: 4 Carrier

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|---------------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 580.00 + 3 690.00 | 36.21 | 36.58 | 36.31 | 36.28 | 37 |

CBRS LTE[15 MHz 1C + (15 MHz 1C + 15 MHz 1C + 15 MHz 1C + 10 MHz 1C)][5C(1C+4C)]

| Ant. | Mod | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|---------------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | 3 575.00 + 3 672.50 | 17.37 | 13.00 | 28.37 | 37 |
| | 16QAM | 3 575.00 + 3 672.50 | 17.75 | 13.00 | 28.75 | |
| | 64QAM | 3 575.00 + 3 672.50 | 17.53 | 13.00 | 28.53 | |
| | 256QAM | 3 575.00 + 3 672.50 | 17.56 | 13.00 | 28.56 | |
| 1 | QPSK | 3 575.00 + 3 672.50 | 17.59 | 13.00 | 28.59 | |
| | 16QAM | 3 575.00 + 3 672.50 | 17.96 | 13.00 | 28.96 | |
| | 64QAM | 3 575.00 + 3 672.50 | 17.72 | 13.00 | 28.72 | |
| | 256QAM | 3 575.00 + 3 672.50 | 17.80 | 13.00 | 28.80 | |
| 2 | QPSK | 3 575.00 + 3 672.50 | 17.44 | 13.00 | 28.44 | |
| | 16QAM | 3 575.00 + 3 672.50 | 17.59 | 13.00 | 28.59 | |
| | 64QAM | 3 575.00 + 3 672.50 | 17.52 | 13.00 | 28.52 | |
| | 256QAM | 3 575.00 + 3 672.50 | 17.69 | 13.00 | 28.69 | |
| 3 | QPSK | 3 575.00 + 3 672.50 | 17.65 | 13.00 | 28.65 | |
| | 16QAM | 3 575.00 + 3 672.50 | 17.33 | 13.00 | 28.33 | |
| | 64QAM | 3 575.00 + 3 672.50 | 17.76 | 13.00 | 28.76 | |
| | 256QAM | 3 575.00 + 3 672.50 | 17.83 | 13.00 | 28.83 | |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|---------------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 575.00 + 3 672.50 | 36.54 | 36.69 | 36.65 | 36.74 | 37 |

CBRS LTE[(15 MHz 1C + 15 MHz 1C + 15 MHz 1C + 15 MHz 1C) + 10 MHz 1C][5C(4C+1C)]

| Ant. | Mod | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|---------------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | 3 580.00 + 3 695.00 | 17.12 | 13.00 | 28.12 | 37 |
| | 16QAM | 3 580.00 + 3 695.00 | 17.44 | 13.00 | 28.44 | |
| | 64QAM | 3 580.00 + 3 695.00 | 17.11 | 13.00 | 28.11 | |
| | 256QAM | 3 580.00 + 3 695.00 | 17.18 | 13.00 | 28.18 | |
| 1 | QPSK | 3 580.00 + 3 695.00 | 17.38 | 13.00 | 28.38 | |
| | 16QAM | 3 580.00 + 3 695.00 | 17.69 | 13.00 | 28.69 | |
| | 64QAM | 3 580.00 + 3 695.00 | 17.30 | 13.00 | 28.30 | |
| | 256QAM | 3 580.00 + 3 695.00 | 17.40 | 13.00 | 28.40 | |
| 2 | QPSK | 3 580.00 + 3 695.00 | 17.15 | 13.00 | 28.15 | |
| | 16QAM | 3 580.00 + 3 695.00 | 17.47 | 13.00 | 28.47 | |
| | 64QAM | 3 580.00 + 3 695.00 | 17.20 | 13.00 | 28.20 | |
| | 256QAM | 3 580.00 + 3 695.00 | 17.28 | 13.00 | 28.28 | |
| 3 | QPSK | 3 580.00 + 3 695.00 | 17.37 | 13.00 | 28.37 | |
| | 16QAM | 3 580.00 + 3 695.00 | 17.67 | 13.00 | 28.67 | |
| | 64QAM | 3 580.00 + 3 695.00 | 17.54 | 13.00 | 28.54 | |
| | 256QAM | 3 580.00 + 3 695.00 | 17.46 | 13.00 | 28.46 | |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|---------------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 580.00 + 3 695.00 | 36.28 | 36.59 | 36.31 | 36.35 | 37 |

CBRS LTE[20 MHz 1C + (20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 10 MHz 1C)][5C(1C+4C)]

| Ant. | Mod | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|---------------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | 3 560.00 + 3 665.00 | 17.40 | 13.00 | 28.40 | 37 |
| | 16QAM | 3 560.00 + 3 665.00 | 17.34 | 13.00 | 28.34 | |
| | 64QAM | 3 560.00 + 3 665.00 | 17.30 | 13.00 | 28.30 | |
| | 256QAM | 3 560.00 + 3 665.00 | 17.36 | 13.00 | 28.36 | |
| 1 | QPSK | 3 560.00 + 3 665.00 | 17.39 | 13.00 | 28.39 | |
| | 16QAM | 3 560.00 + 3 665.00 | 17.31 | 13.00 | 28.31 | |
| | 64QAM | 3 560.00 + 3 665.00 | 17.34 | 13.00 | 28.34 | |
| | 256QAM | 3 560.00 + 3 665.00 | 17.34 | 13.00 | 28.34 | |
| 2 | QPSK | 3 560.00 + 3 665.00 | 17.37 | 13.00 | 28.37 | |
| | 16QAM | 3 560.00 + 3 665.00 | 17.34 | 13.00 | 28.34 | |
| | 64QAM | 3 560.00 + 3 665.00 | 17.38 | 13.00 | 28.38 | |
| | 256QAM | 3 560.00 + 3 665.00 | 17.39 | 13.00 | 28.39 | |
| 3 | QPSK | 3 560.00 + 3 665.00 | 17.40 | 13.00 | 28.40 | |
| | 16QAM | 3 560.00 + 3 665.00 | 17.36 | 13.00 | 28.36 | |
| | 64QAM | 3 560.00 + 3 665.00 | 17.37 | 13.00 | 28.37 | |
| | 256QAM | 3 560.00 + 3 665.00 | 17.36 | 13.00 | 28.36 | |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|---------------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 560.00 + 3 665.00 | 36.41 | 36.36 | 36.37 | 36.38 | 37 |

CBRS LTE[(20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C) + 10 MHz 1C][5C(4C+1C)]

| Ant. | Mod | Frequency (MHz) | Measured Value (dBm/MHz) | Directional Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|---------------------|--------------------------|------------------------|---------------|-----------------|
| 0 | QPSK | 3 590.00 + 3 695.00 | 17.37 | 13.00 | 28.37 | 37 |
| | 16QAM | 3 590.00 + 3 695.00 | 17.35 | 13.00 | 28.35 | |
| | 64QAM | 3 590.00 + 3 695.00 | 17.39 | 13.00 | 28.39 | |
| | 256QAM | 3 590.00 + 3 695.00 | 17.36 | 13.00 | 28.36 | |
| 1 | QPSK | 3 590.00 + 3 695.00 | 17.38 | 13.00 | 28.38 | |
| | 16QAM | 3 590.00 + 3 695.00 | 17.32 | 13.00 | 28.32 | |
| | 64QAM | 3 590.00 + 3 695.00 | 17.36 | 13.00 | 28.36 | |
| | 256QAM | 3 590.00 + 3 695.00 | 17.36 | 13.00 | 28.36 | |
| 2 | QPSK | 3 590.00 + 3 695.00 | 17.36 | 13.00 | 28.36 | |
| | 16QAM | 3 590.00 + 3 695.00 | 17.34 | 13.00 | 28.34 | |
| | 64QAM | 3 590.00 + 3 695.00 | 17.39 | 13.00 | 28.39 | |
| | 256QAM | 3 590.00 + 3 695.00 | 17.38 | 13.00 | 28.38 | |
| 3 | QPSK | 3 590.00 + 3 695.00 | 17.40 | 13.00 | 28.40 | |
| | 16QAM | 3 590.00 + 3 695.00 | 17.38 | 13.00 | 28.38 | |
| | 64QAM | 3 590.00 + 3 695.00 | 17.39 | 13.00 | 28.39 | |
| | 256QAM | 3 590.00 + 3 695.00 | 17.37 | 13.00 | 28.37 | |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|---------------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 590.00 + 3 695.00 | 36.40 | 36.37 | 36.40 | 36.39 | 37 |

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) |
|------|--------|---------------------|--------------------------|-----------------|---------------|-----------------|
| 0 | QPSK | 3 560.00 + 3 660.00 | 16.32 | 13.00 | 27.32 | 37 |
| | 16QAM | 3 560.00 + 3 660.00 | 16.97 | 13.00 | 27.97 | |
| | 64QAM | 3 560.00 + 3 660.00 | 16.92 | 13.00 | 27.92 | |
| | 256QAM | 3 560.00 + 3 660.00 | 16.84 | 13.00 | 27.84 | |
| 1 | QPSK | 3 560.00 + 3 660.00 | 16.96 | 13.00 | 27.96 | |
| | 16QAM | 3 560.00 + 3 660.00 | 16.53 | 13.00 | 27.53 | |
| | 64QAM | 3 560.00 + 3 660.00 | 16.74 | 13.00 | 27.74 | |
| | 256QAM | 3 560.00 + 3 660.00 | 16.83 | 13.00 | 27.83 | |
| 2 | QPSK | 3 560.00 + 3 660.00 | 16.76 | 13.00 | 27.76 | |
| | 16QAM | 3 560.00 + 3 660.00 | 16.81 | 13.00 | 27.81 | |
| | 64QAM | 3 560.00 + 3 660.00 | 16.63 | 13.00 | 27.63 | |
| | 256QAM | 3 560.00 + 3 660.00 | 16.75 | 13.00 | 27.75 | |
| 3 | QPSK | 3 560.00 + 3 660.00 | 16.87 | 13.00 | 27.87 | |
| | 16QAM | 3 560.00 + 3 660.00 | 16.85 | 13.00 | 27.85 | |
| | 64QAM | 3 560.00 + 3 660.00 | 16.86 | 13.00 | 27.86 | |
| | 256QAM | 3 560.00 + 3 660.00 | 16.96 | 13.00 | 27.96 | |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|---------------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 560.00 + 3 660.00 | 35.75 | 35.81 | 35.81 | 35.87 | 37 |

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) |
|------|--------|---------------------|--------------------------|-----------------|---------------|-----------------|
| 0 | QPSK | 3 590.00 + 3 690.00 | 16.29 | 13.00 | 27.29 | 37 |
| | 16QAM | 3 590.00 + 3 690.00 | 16.41 | 13.00 | 27.41 | |
| | 64QAM | 3 590.00 + 3 690.00 | 17.00 | 13.00 | 28.00 | |
| | 256QAM | 3 590.00 + 3 690.00 | 16.95 | 13.00 | 27.95 | |
| 1 | QPSK | 3 590.00 + 3 690.00 | 16.30 | 13.00 | 27.30 | |
| | 16QAM | 3 590.00 + 3 690.00 | 16.57 | 13.00 | 27.57 | |
| | 64QAM | 3 590.00 + 3 690.00 | 16.17 | 13.00 | 27.17 | |
| | 256QAM | 3 590.00 + 3 690.00 | 16.19 | 13.00 | 27.19 | |
| 2 | QPSK | 3 590.00 + 3 690.00 | 16.16 | 13.00 | 27.16 | |
| | 16QAM | 3 590.00 + 3 690.00 | 16.41 | 13.00 | 27.41 | |
| | 64QAM | 3 590.00 + 3 690.00 | 16.97 | 13.00 | 27.97 | |
| | 256QAM | 3 590.00 + 3 690.00 | 16.97 | 13.00 | 27.97 | |
| 3 | QPSK | 3 590.00 + 3 690.00 | 16.23 | 13.00 | 27.23 | |
| | 16QAM | 3 590.00 + 3 690.00 | 16.52 | 13.00 | 27.52 | |
| | 64QAM | 3 590.00 + 3 690.00 | 16.23 | 13.00 | 27.23 | |
| | 256QAM | 3 590.00 + 3 690.00 | 16.28 | 13.00 | 27.28 | |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|---------------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 590.00 + 3 690.00 | 35.26 | 35.50 | 35.63 | 35.64 | 37 |

CBRS NR 40 MHz 1C + (NR 20 MHz 1C + NR 20 MHz 1C + LTE 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) |
|------|--------|---------------------|--------------------------|-----------------|---------------|-----------------|
| 0 | QPSK | 3 570.00 + 3 670.00 | 16.97 | 13.00 | 29.97 | 37 |
| | 16QAM | 3 570.00 + 3 670.00 | 16.95 | 13.00 | 29.95 | |
| | 64QAM | 3 570.00 + 3 670.00 | 17.16 | 13.00 | 30.16 | |
| | 256QAM | 3 570.00 + 3 670.00 | 17.26 | 13.00 | 30.26 | |
| 1 | QPSK | 3 570.00 + 3 670.00 | 16.97 | 13.00 | 29.97 | |
| | 16QAM | 3 570.00 + 3 670.00 | 16.99 | 13.00 | 29.99 | |
| | 64QAM | 3 570.00 + 3 670.00 | 17.29 | 13.00 | 30.29 | |
| | 256QAM | 3 570.00 + 3 670.00 | 17.23 | 13.00 | 30.23 | |
| 2 | QPSK | 3 570.00 + 3 670.00 | 16.97 | 13.00 | 29.97 | |
| | 16QAM | 3 570.00 + 3 670.00 | 16.95 | 13.00 | 29.95 | |
| | 64QAM | 3 570.00 + 3 670.00 | 17.15 | 13.00 | 30.15 | |
| | 256QAM | 3 570.00 + 3 670.00 | 17.16 | 13.00 | 30.16 | |
| 3 | QPSK | 3 570.00 + 3 670.00 | 16.98 | 13.00 | 29.98 | |
| | 16QAM | 3 570.00 + 3 670.00 | 16.98 | 13.00 | 29.98 | |
| | 64QAM | 3 570.00 + 3 670.00 | 17.43 | 13.00 | 30.43 | |
| | 256QAM | 3 570.00 + 3 670.00 | 17.42 | 13.00 | 30.42 | |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|---------------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 570.00 + 3 670.00 | 35.99 | 35.99 | 36.28 | 36.29 | 37 |

CBRS (NR 40 MHz 1C + NR 20 MHz 1C + NR 20 MHz 1C + LTE 10 MHz 1C) + LTE 10 MHz 1C[5C(4C+1C)]

| Ant. | Mod | Frequency (MHz) | Measured Value (dBm/MHz) | Ant. Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|---------------------|--------------------------|-----------------|---------------|-----------------|
| 0 | QPSK | 3 595.00 + 3 695.00 | 17.26 | 13.00 | 30.26 | 37 |
| | 16QAM | 3 595.00 + 3 695.00 | 16.98 | 13.00 | 29.98 | |
| | 64QAM | 3 595.00 + 3 695.00 | 16.91 | 13.00 | 29.91 | |
| | 256QAM | 3 595.00 + 3 695.00 | 17.00 | 13.00 | 30.00 | |
| 1 | QPSK | 3 595.00 + 3 695.00 | 17.28 | 13.00 | 30.28 | |
| | 16QAM | 3 595.00 + 3 695.00 | 16.92 | 13.00 | 29.92 | |
| | 64QAM | 3 595.00 + 3 695.00 | 16.97 | 13.00 | 29.97 | |
| | 256QAM | 3 595.00 + 3 695.00 | 16.99 | 13.00 | 29.99 | |
| 2 | QPSK | 3 595.00 + 3 695.00 | 17.13 | 13.00 | 30.13 | |
| | 16QAM | 3 595.00 + 3 695.00 | 16.98 | 13.00 | 29.98 | |
| | 64QAM | 3 595.00 + 3 695.00 | 16.99 | 13.00 | 29.99 | |
| | 256QAM | 3 595.00 + 3 695.00 | 16.91 | 13.00 | 29.91 | |
| 3 | QPSK | 3 595.00 + 3 695.00 | 17.36 | 13.00 | 30.36 | |
| | 16QAM | 3 595.00 + 3 695.00 | 16.96 | 13.00 | 29.96 | |
| | 64QAM | 3 595.00 + 3 695.00 | 16.99 | 13.00 | 29.99 | |
| | 256QAM | 3 595.00 + 3 695.00 | 16.98 | 13.00 | 29.98 | |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|---------------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 595.00 + 3 695.00 | 36.28 | 35.98 | 35.99 | 35.99 | 37 |

CBRS NR 40 MHz 1C + (NR 10 MHz 1C + LTE 20 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C)5C(1C+4C)]

| Ant. | Mod | Frequency (MHz) | Measured Value (dBm/MHz) | Ant. Gain (dBi) | PSD (dBm/MHz) | Limit (dBm/MHz) |
|------|--------|---------------------|--------------------------|-----------------|---------------|-----------------|
| 0 | QPSK | 3 570.00 + 3 680.00 | 17.88 | 13.00 | 30.88 | 37 |
| | 16QAM | 3 570.00 + 3 680.00 | 17.82 | 13.00 | 30.82 | |
| | 64QAM | 3 570.00 + 3 680.00 | 17.42 | 13.00 | 30.42 | |
| | 256QAM | 3 570.00 + 3 680.00 | 17.34 | 13.00 | 30.34 | |
| 1 | QPSK | 3 570.00 + 3 680.00 | 17.86 | 13.00 | 30.86 | |
| | 16QAM | 3 570.00 + 3 680.00 | 17.35 | 13.00 | 30.35 | |
| | 64QAM | 3 570.00 + 3 680.00 | 17.50 | 13.00 | 30.50 | |
| | 256QAM | 3 570.00 + 3 680.00 | 17.38 | 13.00 | 30.38 | |
| 2 | QPSK | 3 570.00 + 3 680.00 | 17.87 | 13.00 | 30.87 | |
| | 16QAM | 3 570.00 + 3 680.00 | 17.93 | 13.00 | 30.93 | |
| | 64QAM | 3 570.00 + 3 680.00 | 17.93 | 13.00 | 30.93 | |
| | 256QAM | 3 570.00 + 3 680.00 | 17.86 | 13.00 | 30.86 | |
| 3 | QPSK | 3 570.00 + 3 680.00 | 17.53 | 13.00 | 30.53 | |
| | 16QAM | 3 570.00 + 3 680.00 | 17.46 | 13.00 | 30.46 | |
| | 64QAM | 3 570.00 + 3 680.00 | 17.44 | 13.00 | 30.44 | |
| | 256QAM | 3 570.00 + 3 680.00 | 17.43 | 13.00 | 30.43 | |

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

Sum Data of Port 0, Port 1, Port 2 and Port 3

| Frequency (MHz) | PSD | | | | Limit |
|---------------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 570.00 + 3 680.00 | 36.81 | 36.67 | 36.60 | 36.53 | 37 |

CBRS (NR 40 MHz 1C + NR 10 MHz 1C + LTE 20 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) |
|------|--------|---------------------|--------------------------|-----------------|---------------|-----------------|
| 0 | QPSK | 3 587.50 + 3 697.50 | 17.13 | 13.00 | 30.13 | 37 |
| | 16QAM | 3 587.50 + 3 697.50 | 17.24 | 13.00 | 30.24 | |
| | 64QAM | 3 587.50 + 3 697.50 | 17.37 | 13.00 | 30.37 | |
| | 256QAM | 3 587.50 + 3 697.50 | 17.38 | 13.00 | 30.38 | |
| 1 | QPSK | 3 587.50 + 3 697.50 | 17.17 | 13.00 | 30.17 | |
| | 16QAM | 3 587.50 + 3 697.50 | 17.44 | 13.00 | 30.44 | |
| | 64QAM | 3 587.50 + 3 697.50 | 17.37 | 13.00 | 30.37 | |
| | 256QAM | 3 587.50 + 3 697.50 | 17.39 | 13.00 | 30.39 | |
| 2 | QPSK | 3 587.50 + 3 697.50 | 17.18 | 13.00 | 30.18 | |
| | 16QAM | 3 587.50 + 3 697.50 | 17.26 | 13.00 | 30.26 | |
| | 64QAM | 3 587.50 + 3 697.50 | 17.29 | 13.00 | 30.29 | |
| | 256QAM | 3 587.50 + 3 697.50 | 17.26 | 13.00 | 30.26 | |
| 3 | QPSK | 3 587.50 + 3 697.50 | 17.46 | 13.00 | 30.46 | |
| | 16QAM | 3 587.50 + 3 697.50 | 17.52 | 13.00 | 30.52 | |
| | 64QAM | 3 587.50 + 3 697.50 | 17.62 | 13.00 | 30.62 | |
| | 256QAM | 3 587.50 + 3 697.50 | 17.51 | 13.00 | 30.51 | |

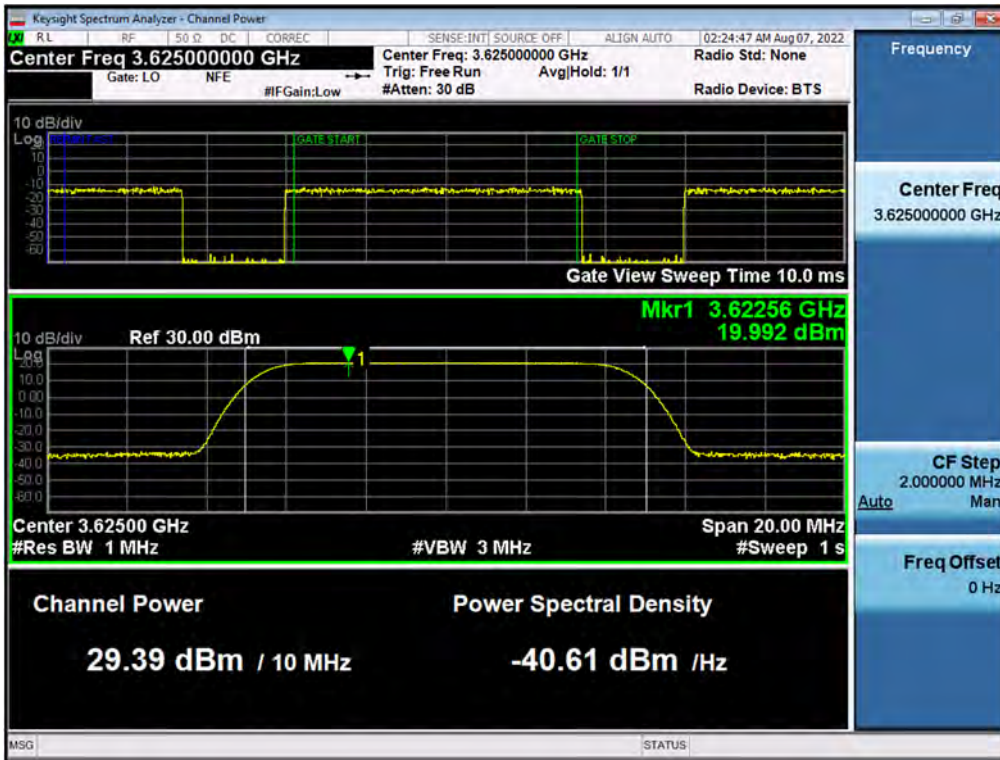
Note: 1C: 1 Carrier, 4C: 4 Carrier, 5C: 5 Carrier

Sum Data of Port 0, Port 1, Port 2 and Port 3

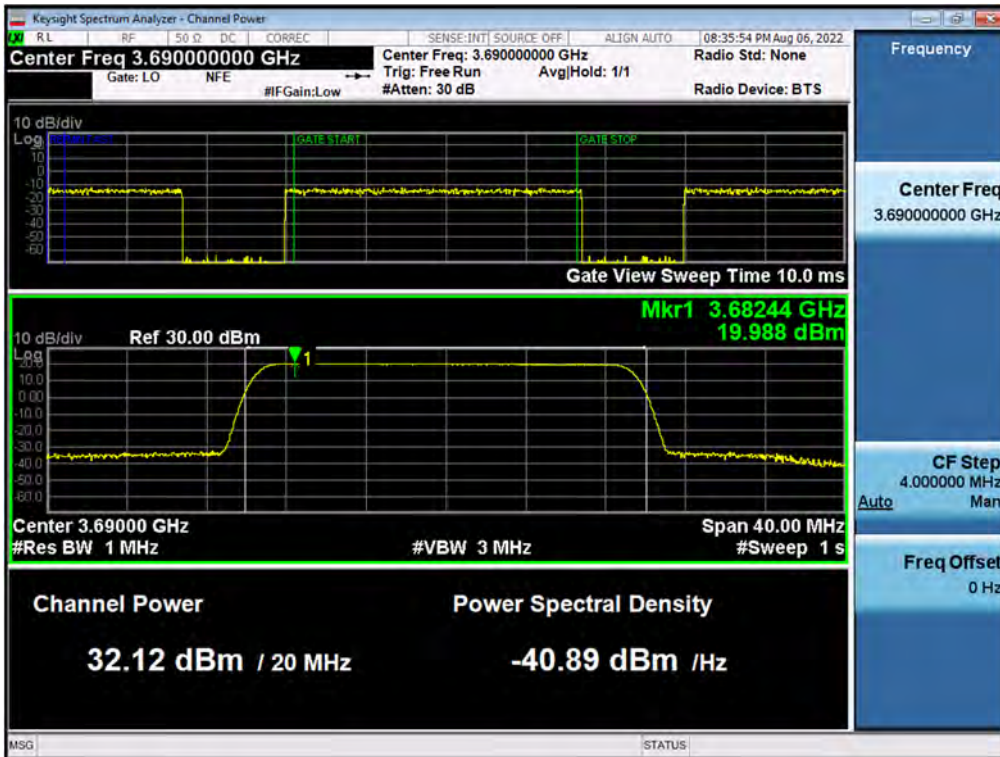
| Frequency (MHz) | PSD | | | | Limit |
|---------------------|-----------|-------|-------|--------|-------|
| | QPSK | 16QAM | 64QAM | 256QAM | |
| | (dBm/MHz) | | | | |
| 3 587.50 + 3 697.50 | 36.26 | 36.39 | 36.43 | 36.40 | 37 |

Plot Data of PSD

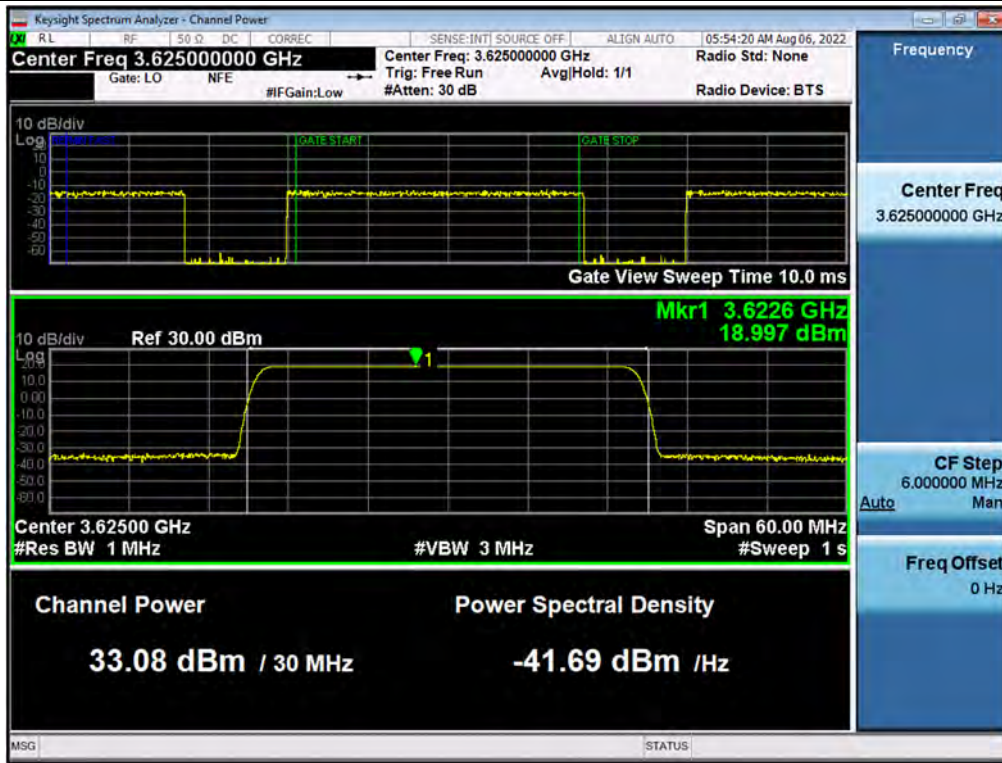
Antenna 0 / CBRS NR 10 MHz 1 Carrier / 64QAM / Middle



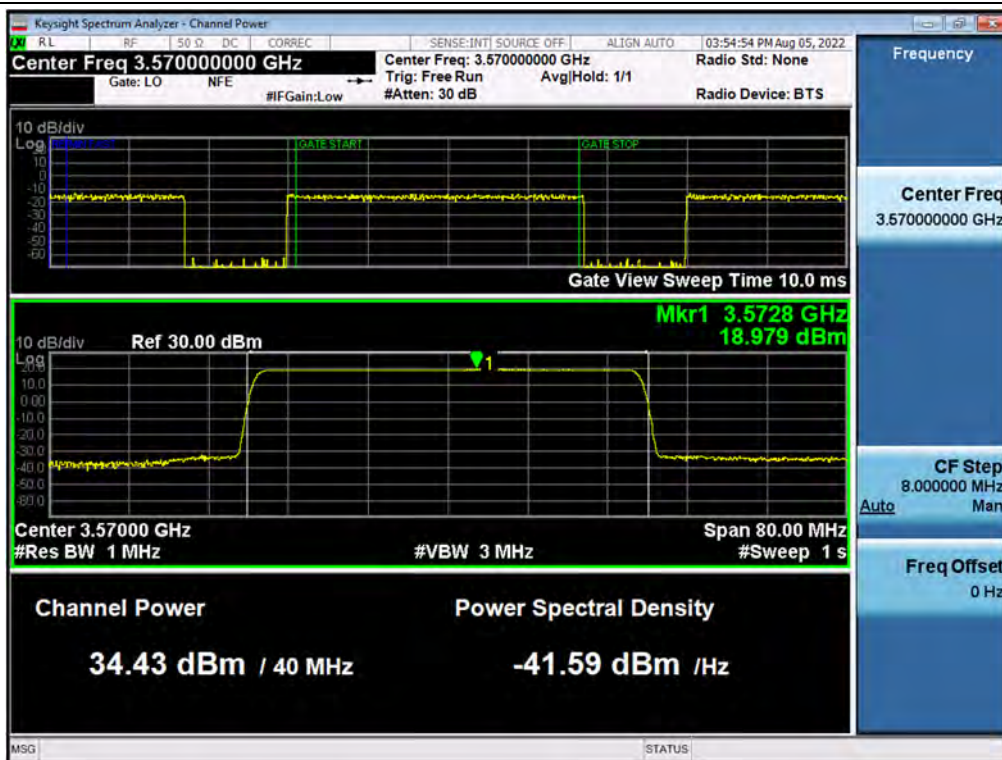
Antenna 1 / CBRS NR 20 MHz 1 Carrier / 256QAM / High



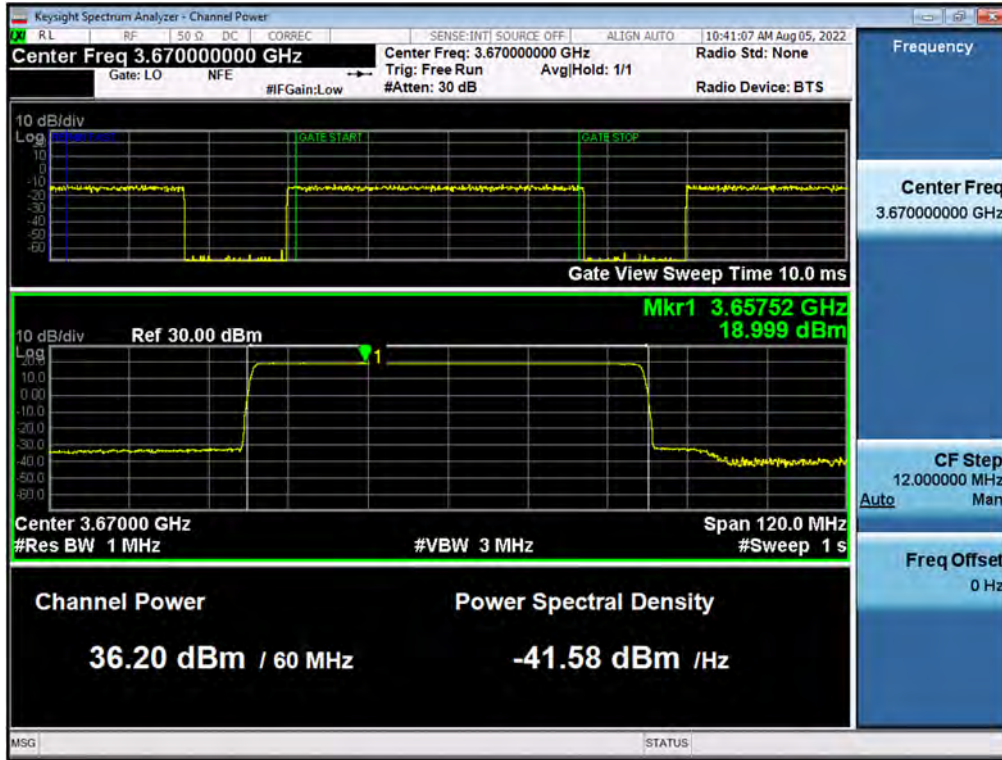
Antenna 0 / CBRS NR 30 MHz 1 Carrier / 64QAM / Middle



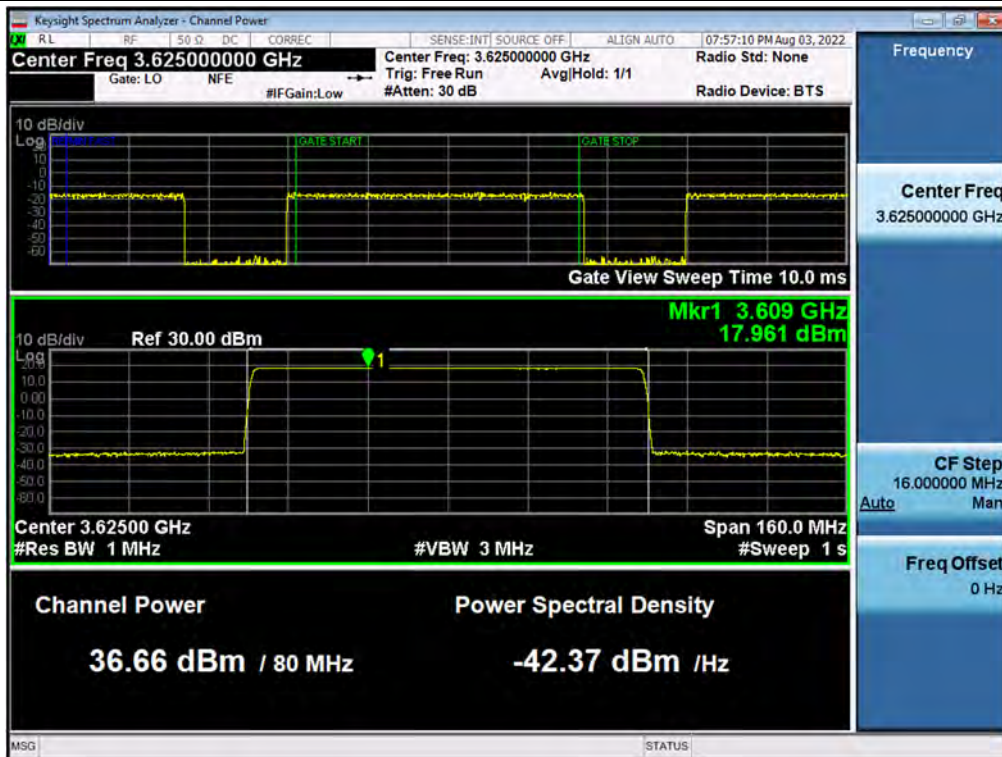
Antenna 0 / CBRS NR 40 MHz 1 Carrier / 64QAM / Low



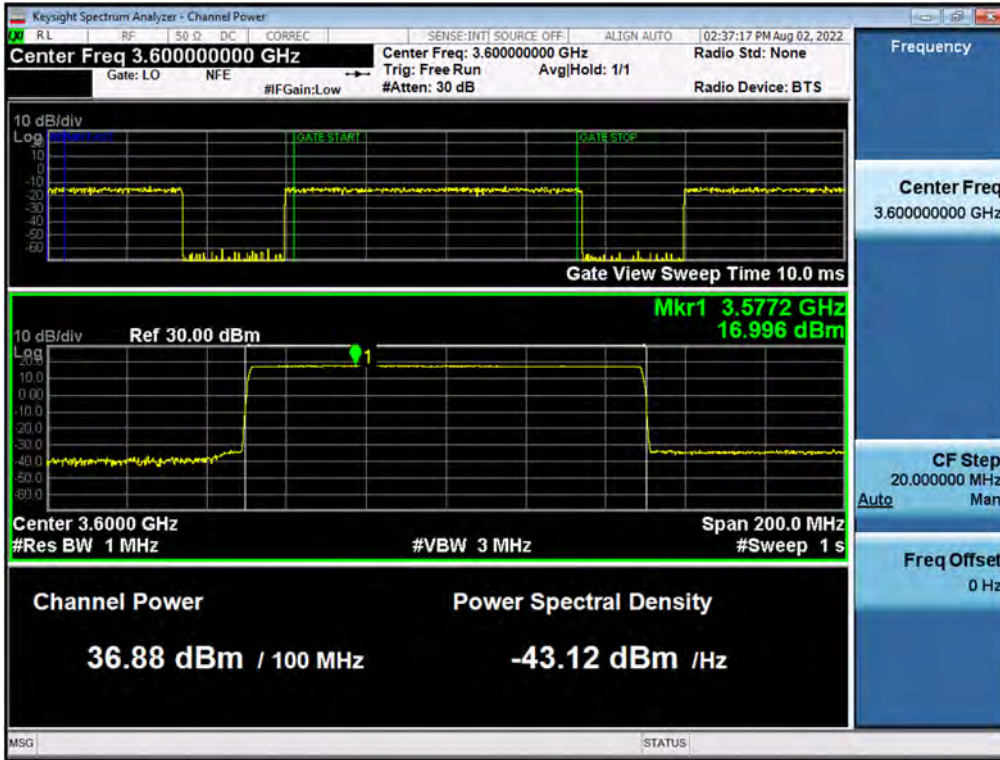
Antenna 3 / CBRS NR 60 MHz 1 Carrier / 16QAM / High



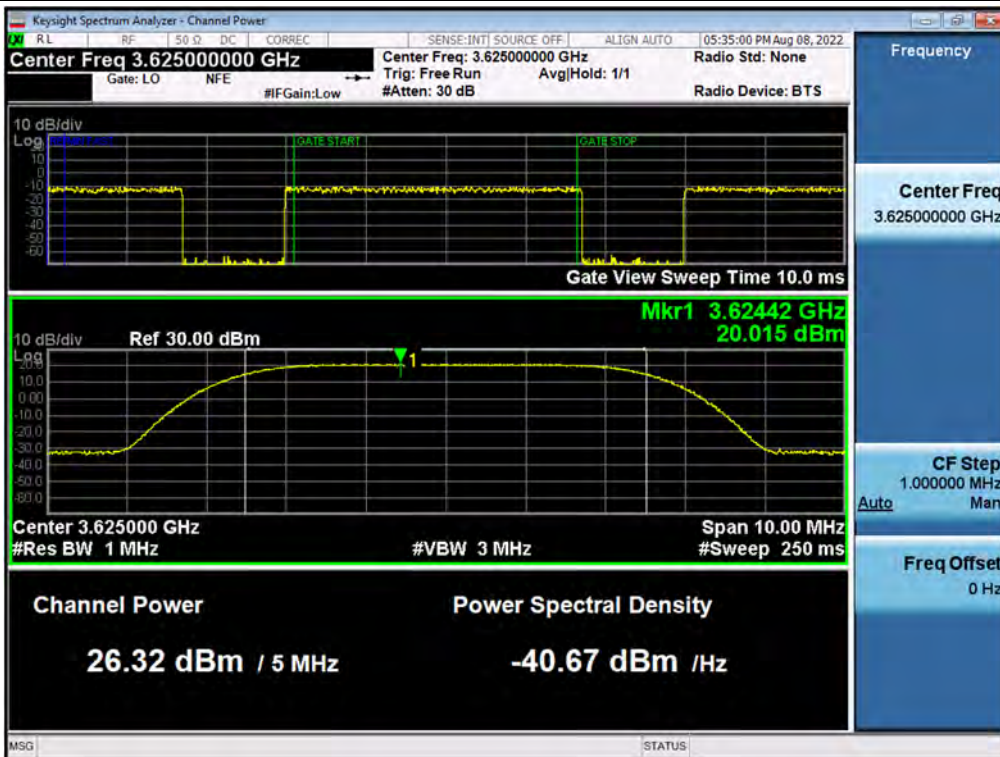
Antenna 1 / CBRS NR 80 MHz 1 Carrier / QPSK / Middle



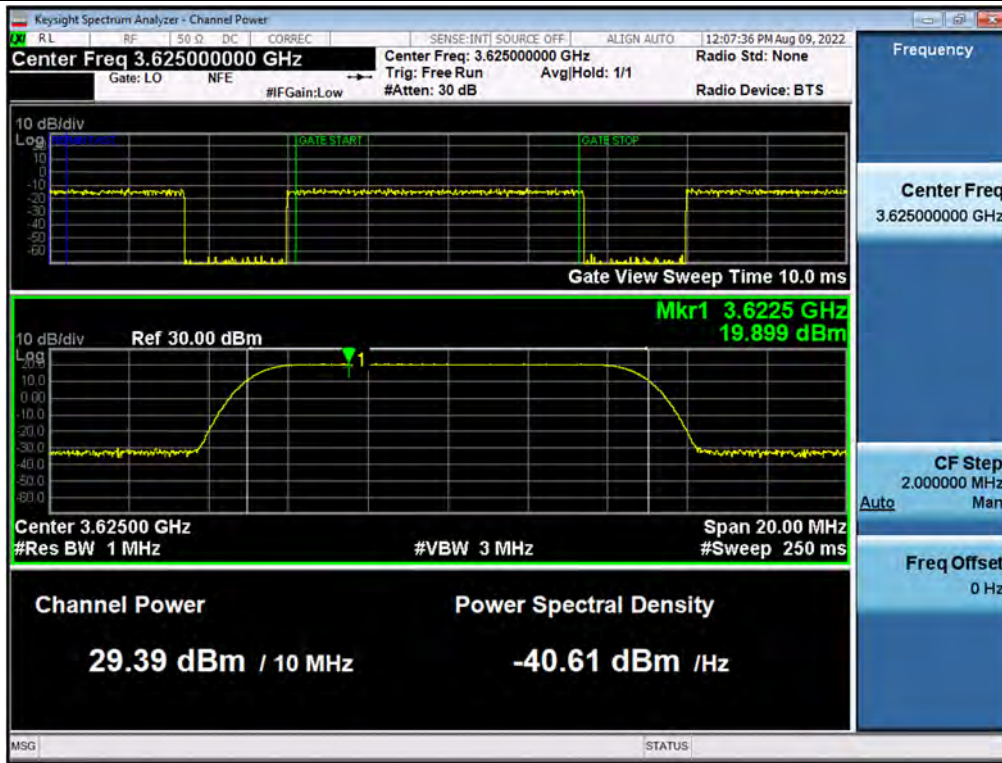
Antenna 2 / CBRS NR 100 MHz 1 Carrier / 64QAM / Low



Antenna 2 / CBRS LTE 5 MHz 1 Carrier / 256QAM / Middle



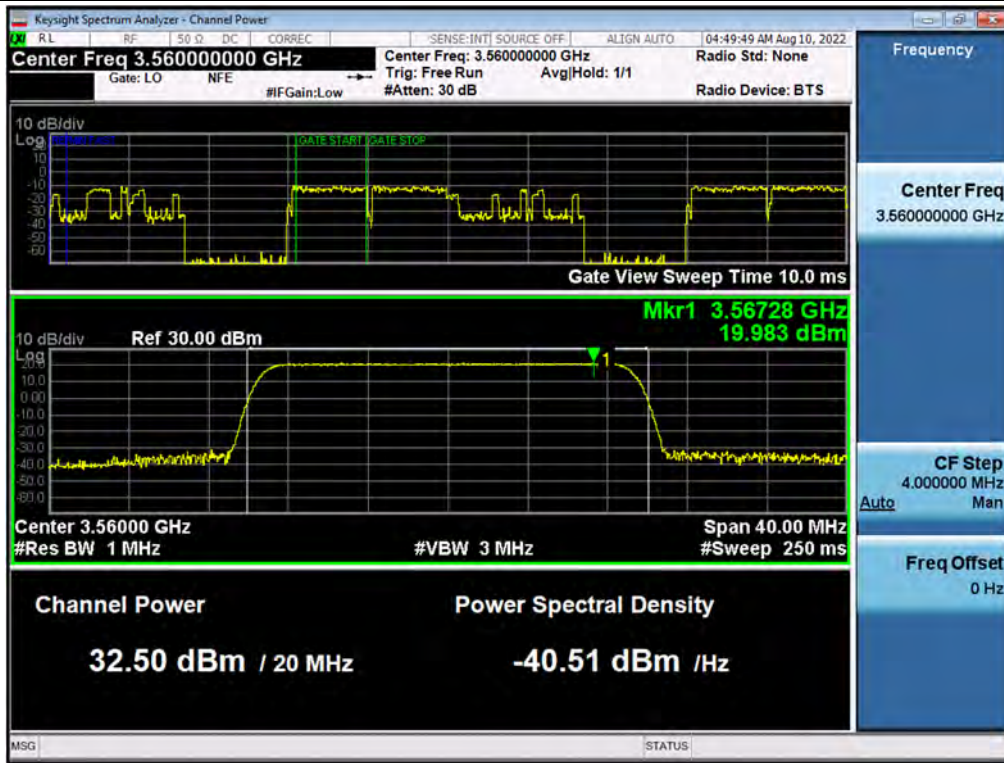
Antenna 0 / CBRS LTE 10 MHz 1 Carrier / QPSK / Middle



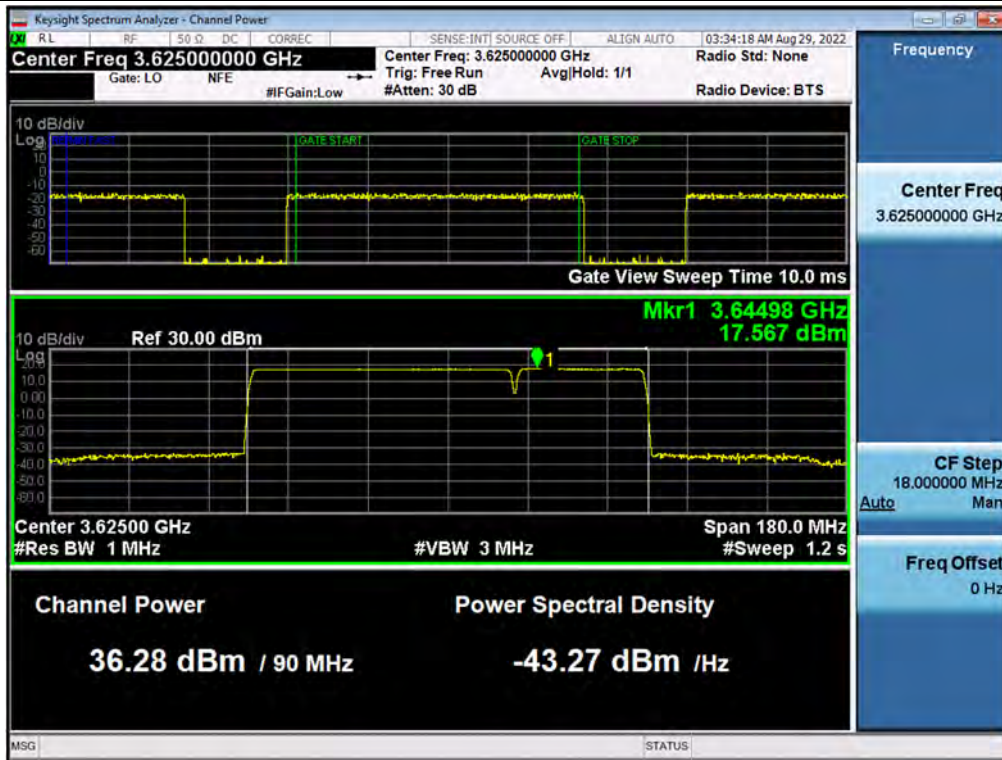
Antenna 1 / CBRS LTE 15 MHz 1 Carrier / 16QAM / High



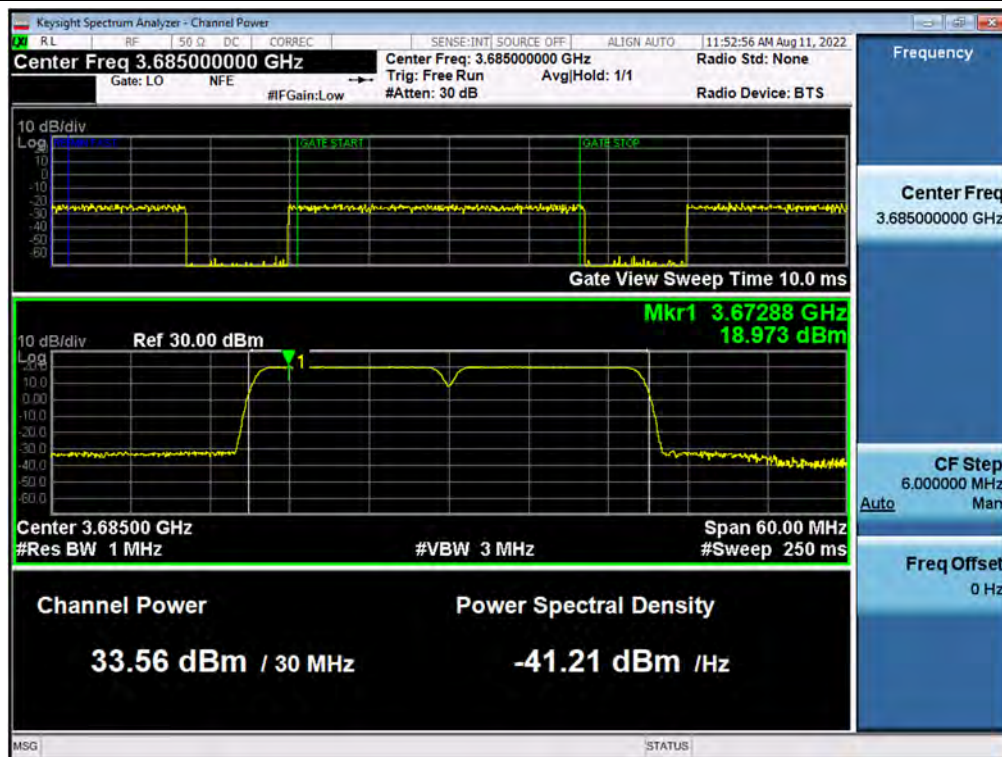
Antenna 2 / CBRS LTE 20 MHz 1 Carrier / 16QAM / Low

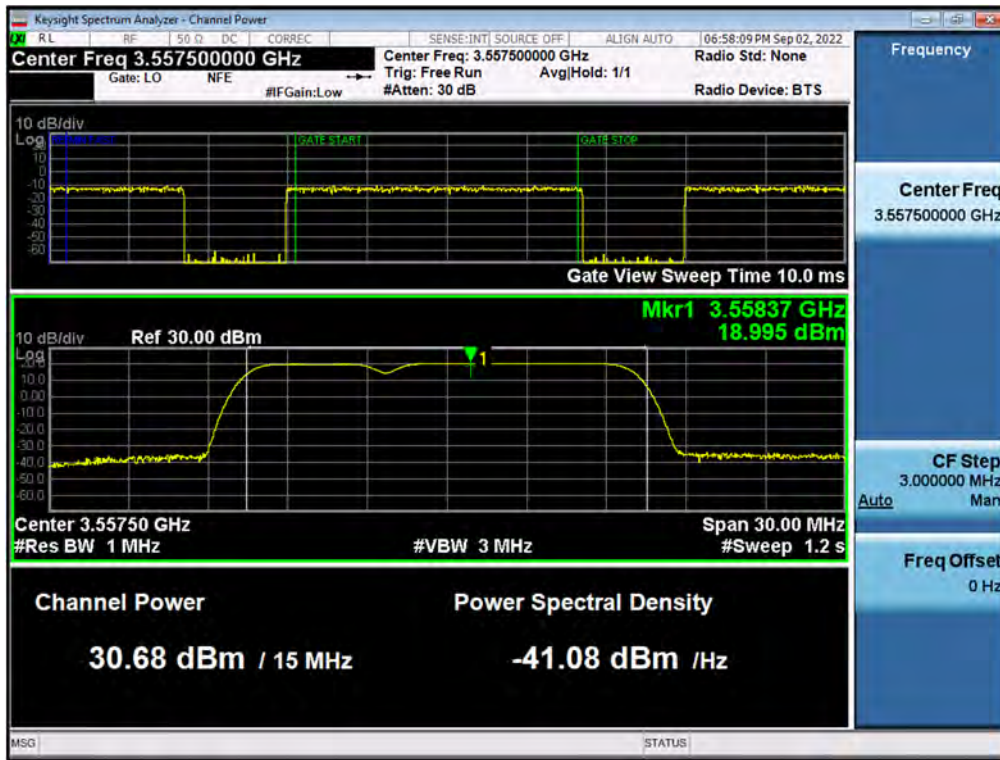


Antenna 0 / CBRS NR(60 MHz 1C + 30 MHz 1C)[2C] / Contiguous / 16QAM / Middle



Antenna 2 / CBRS LTE(15 MHz 1C + 15 MHz 1C)[2C] / Contiguous / 64QAM / High



Antenna 3 / CBRS LTE 5 MHz 1C + NR 10 MHz 1C[2C] / Contiguous / 64QAM / Low

Antenna 3 / CBRS NR(20 MHz 1C + 20 MHz 1C + 10 MHz 1C)[3C] / Contiguous / 64QAM / High
