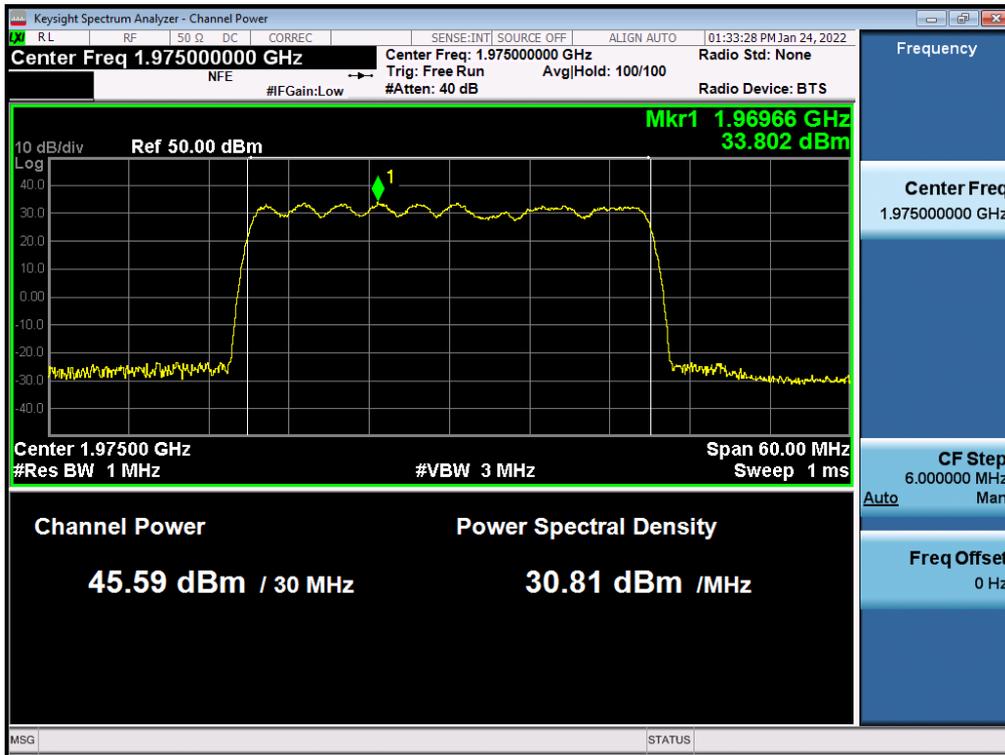
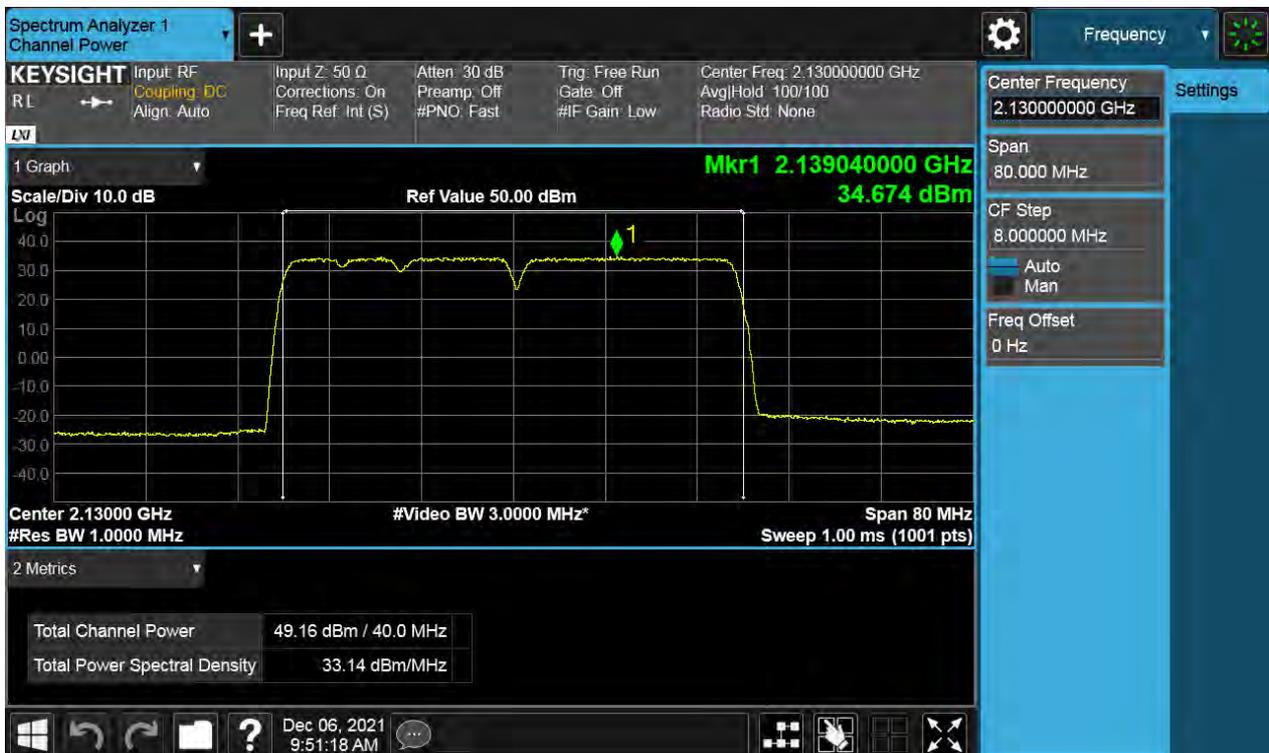
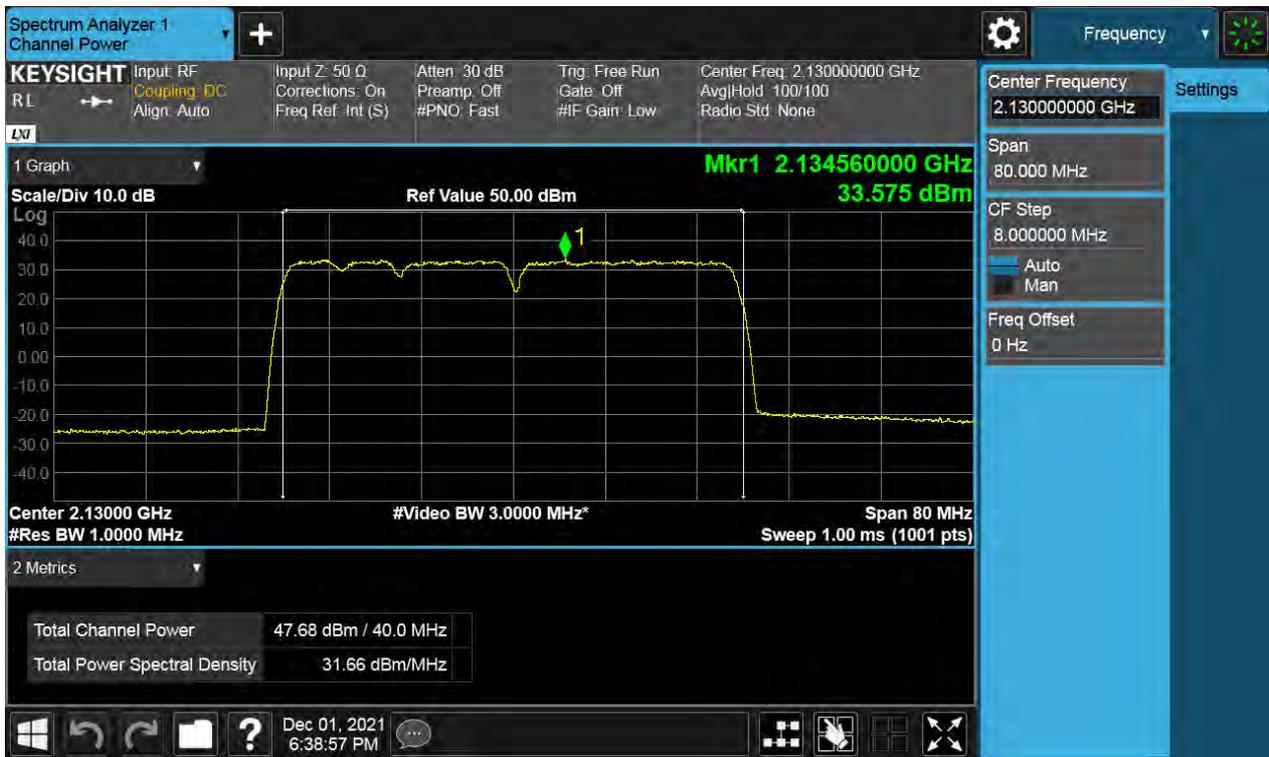
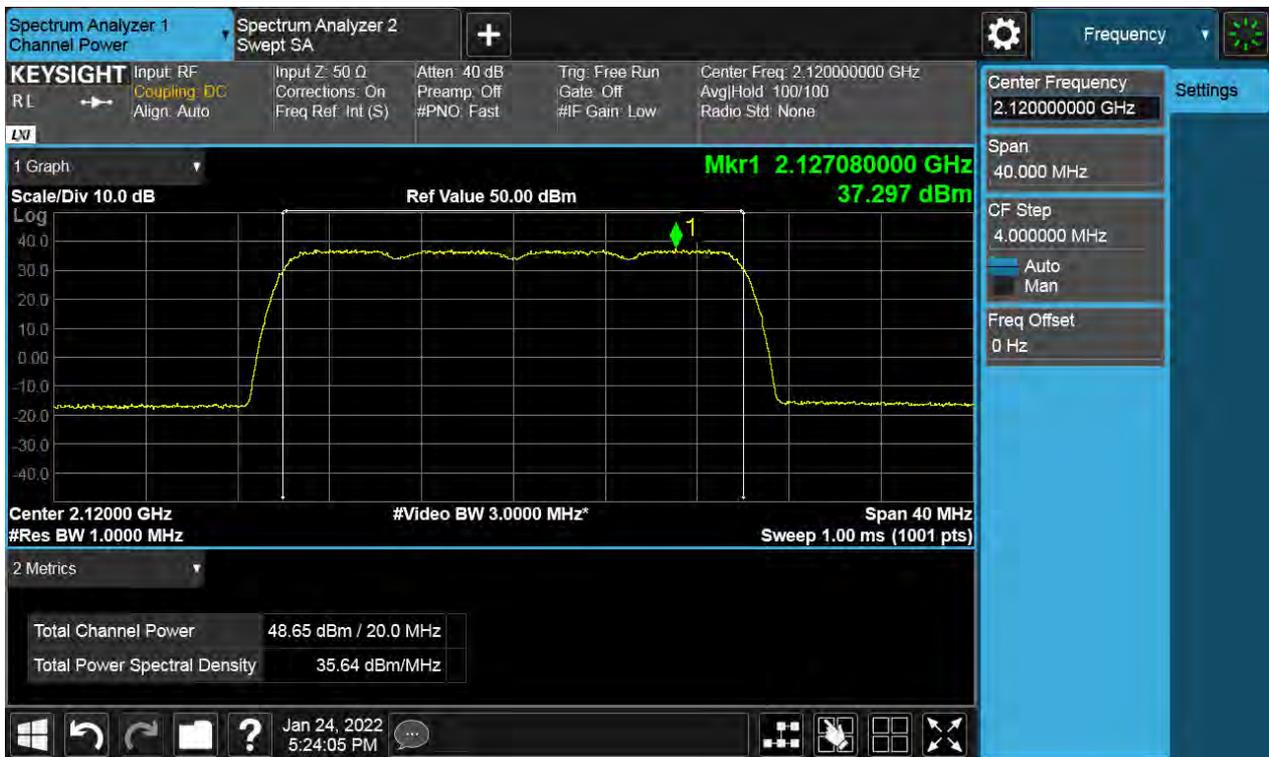


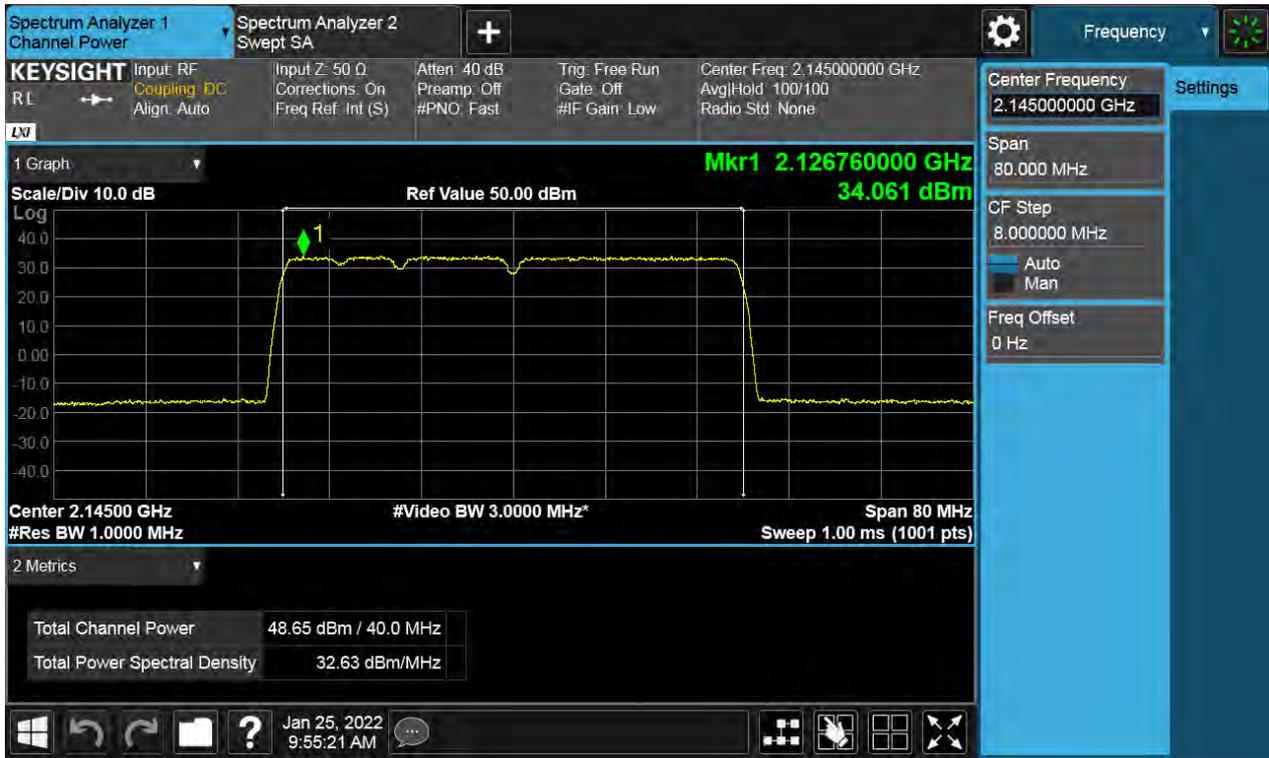
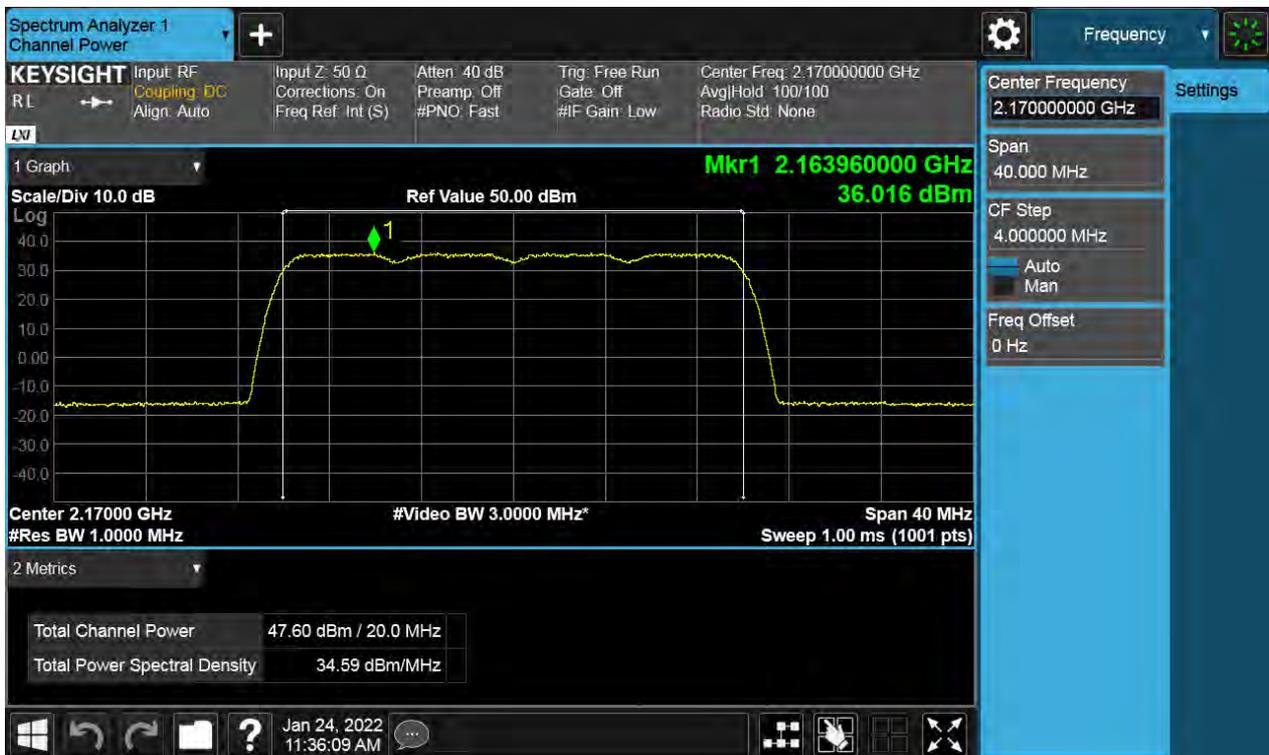
Antenna 0 / (4 Port) LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier + 5G NR n2 20 MHz 1 Carrier [3 Carrier] / Contiguous / 16QAM / High



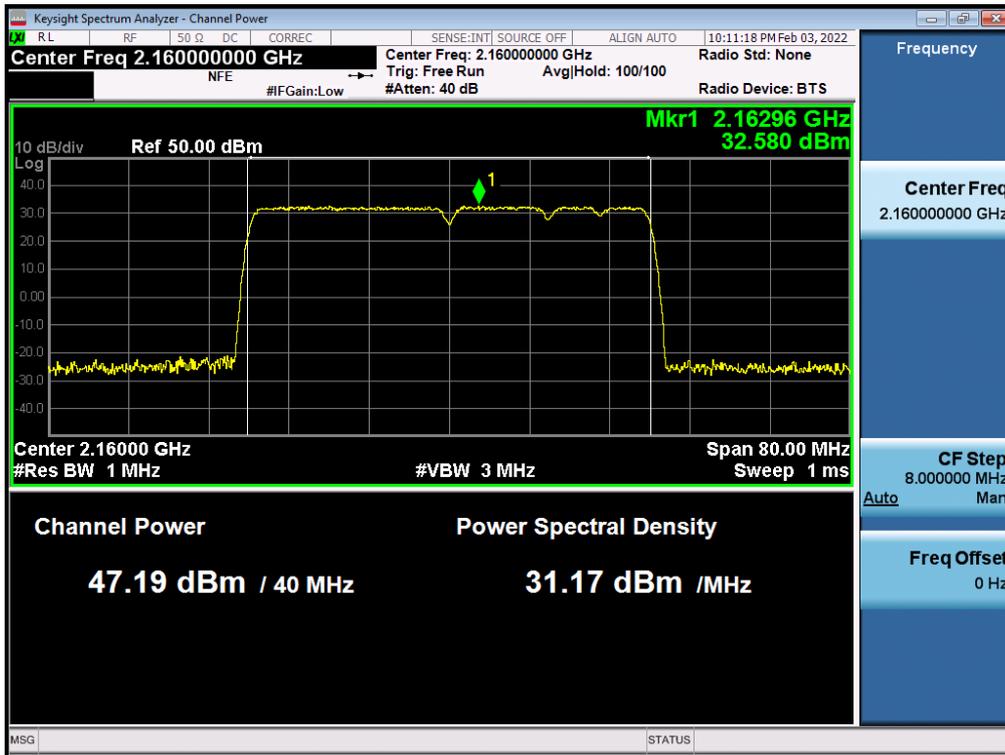
Antenna 0 / (2 Port) B66 DSS 20 MHz 9to1 1 Carrier + LTE B66 10 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier [4 Carrier] / Contiguous / QPSK / Low



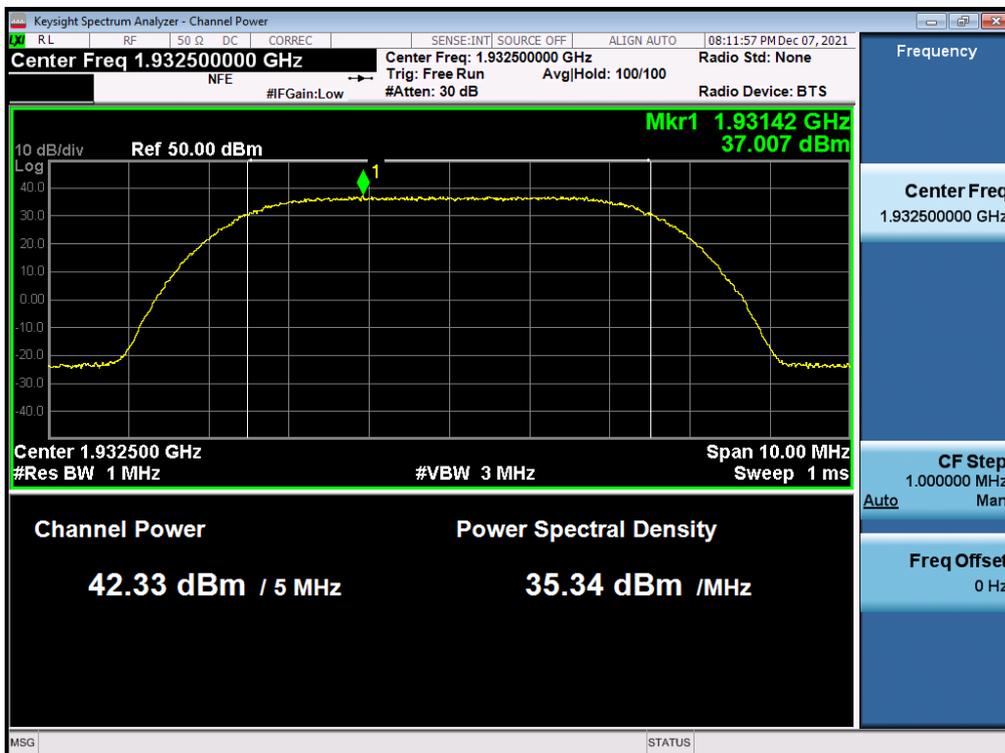
**Antenna 0 / (4 Port) B66 DSS 20 MHz 9to1 1 Carrier + LTE B66 10 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier [4 Carrier] / Contiguous / 16QAM / Low**

**Antenna 1 / (2 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [4 Carrier] / Contiguous / QPSK / Low**


**Antenna 1 / (2 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [4 Carrier] / Contiguous / QPSK / Middle**

**Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [4 Carrier] / Contiguous / 256QAM / High**


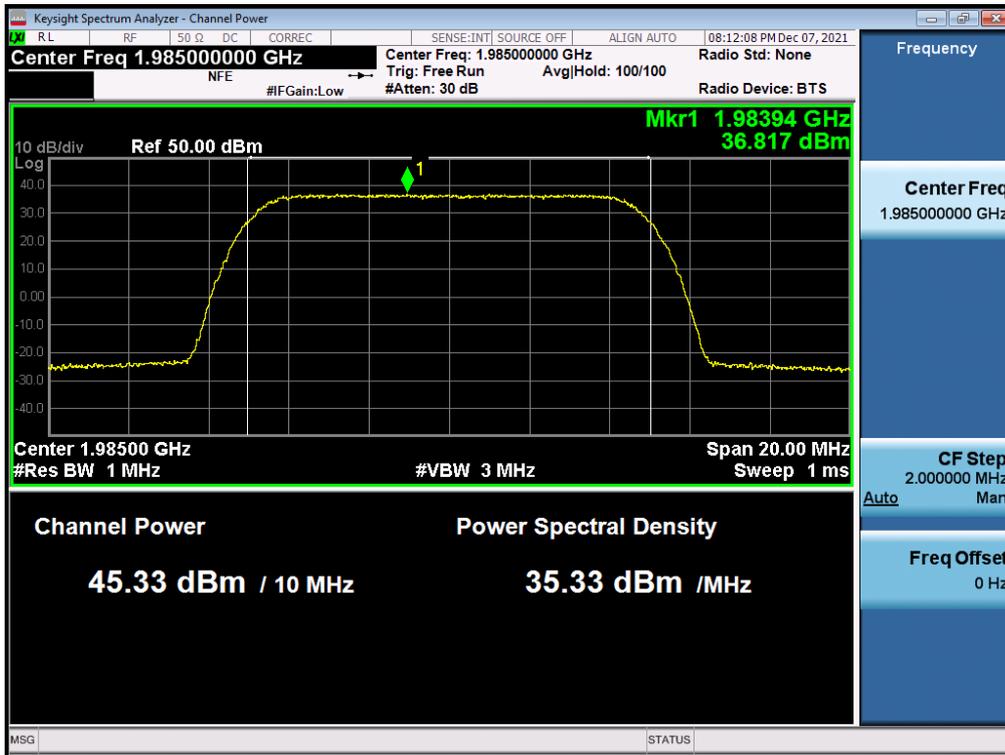
**Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [4 Carrier] / Contiguous / 64QAM / High**



**Antenna 0 / (2 Port) B2 DSS 10 MHz 9to1 1 Carrier + LTE B2 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B2 DSS 10 MHz 9to1 / 256QAM / Low**



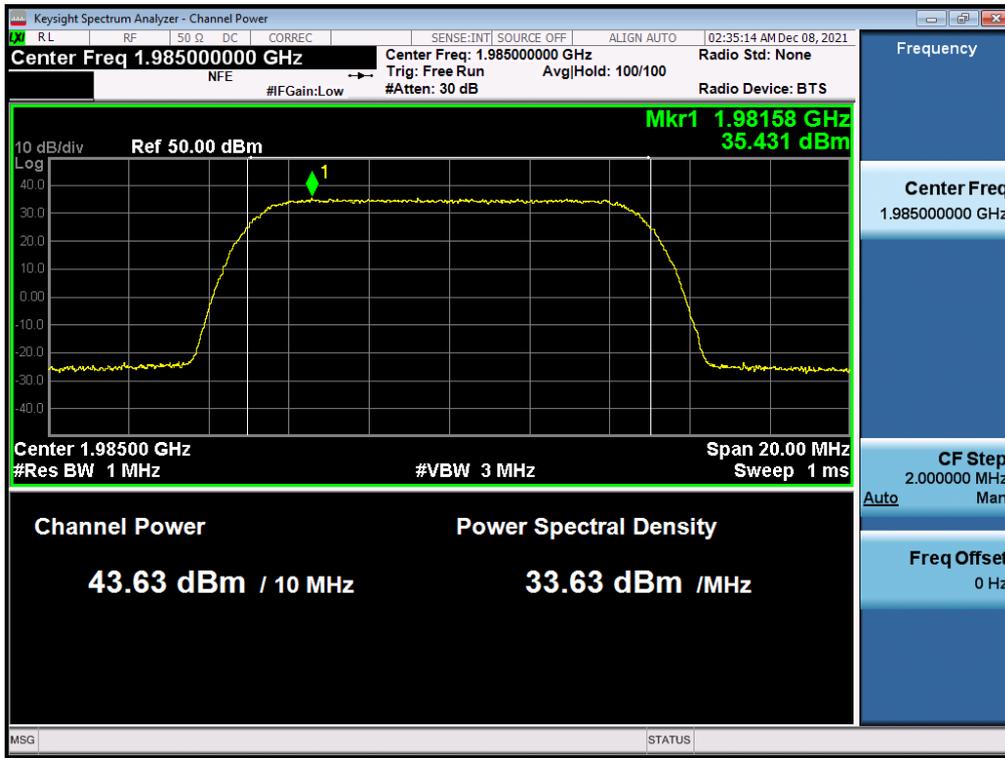
Antenna 0 / (2 Port) B2 DSS 10 MHz 9to1 1 Carrier + LTE B2 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / LTE B2 5 MHz / 256QAM / High



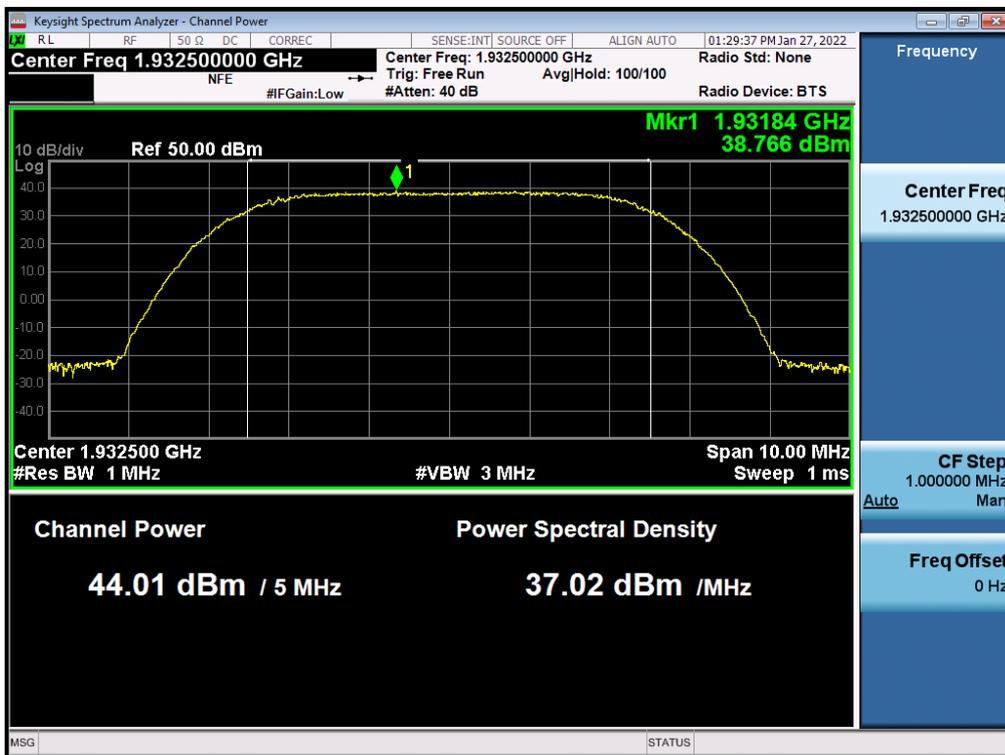
Antenna 1 / (4 Port) B2 DSS 10 MHz 9to1 1 Carrier + LTE B2 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B2 DSS 10 MHz 9to1 / 256QAM / Low



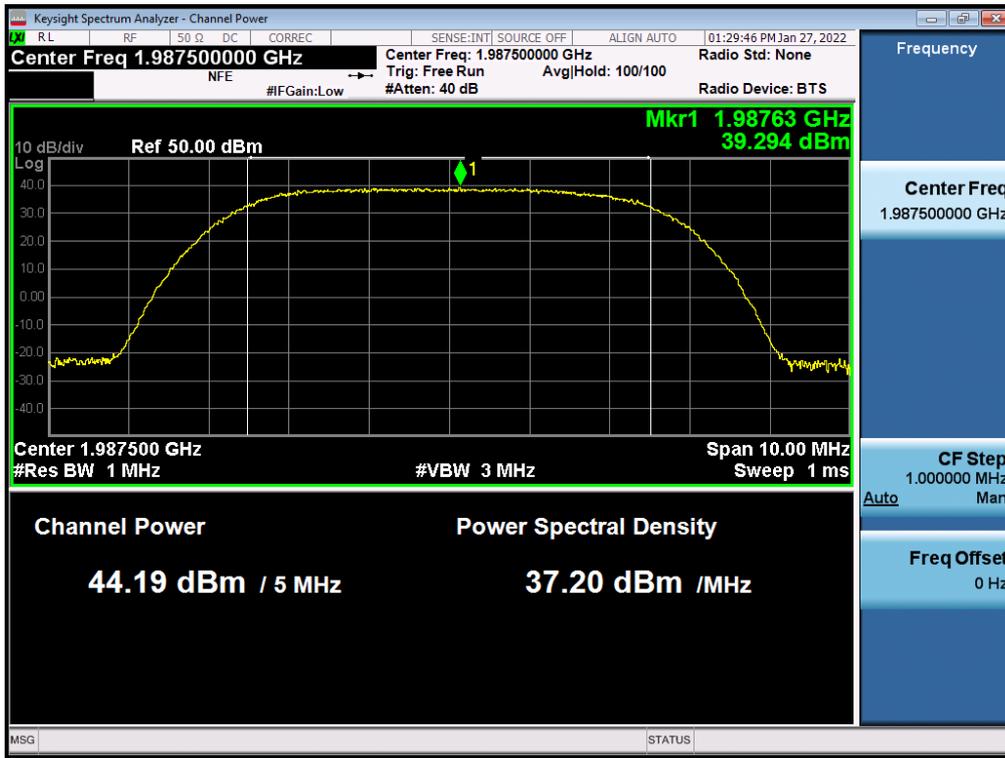
Antenna 1 / (4 Port) B2 DSS 10 MHz 9to1 1 Carrier + LTE B2 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / LTE B2 5 MHz / 256QAM / High



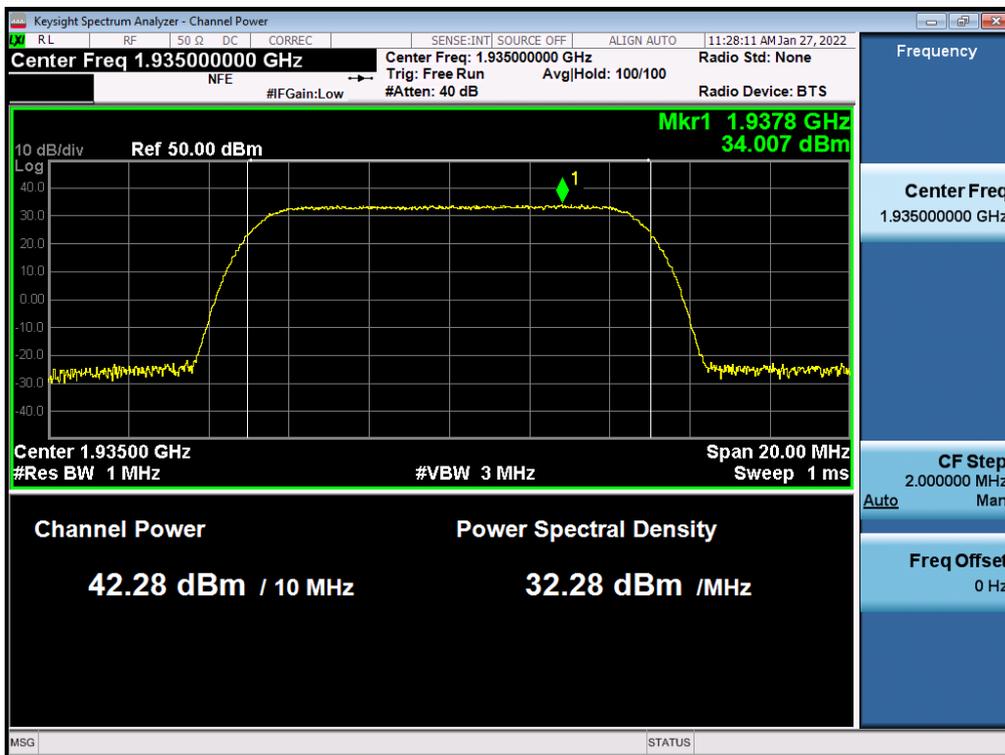
Antenna 0 / (2 Port) LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / LTE B2 5 MHz / 16QAM / Low



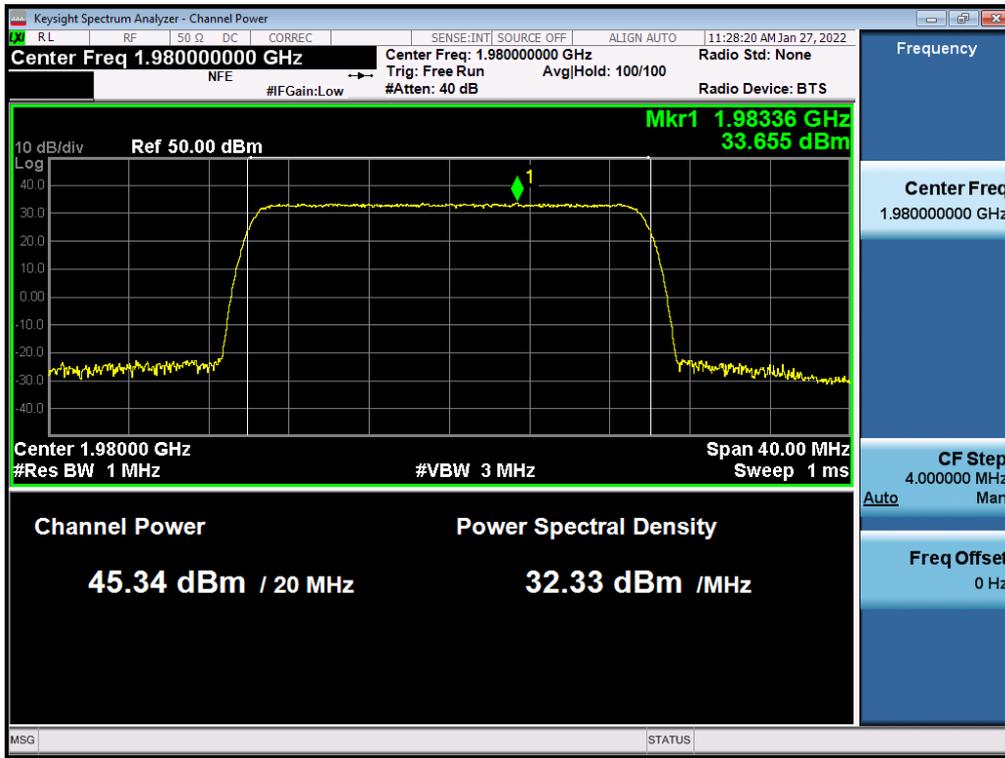
Antenna 0 / (2 Port) LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n2 5 MHz / 16QAM / High



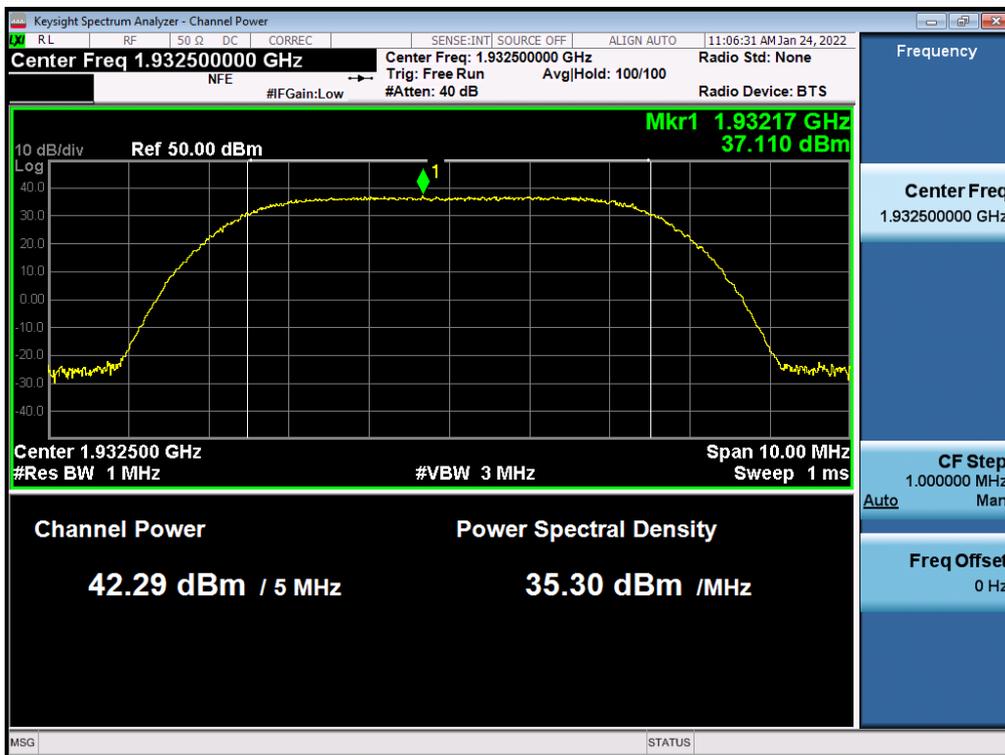
Antenna 0 / (2 Port) LTE B2 10 MHz 1 Carrier + 5G NR n2 20 MHz 1 Carrier [2 Carrier] / Non-Contiguous / LTE B2 10 MHz / 64QAM / Low



Antenna 0 / (2 Port) LTE B2 10 MHz 1 Carrier + 5G NR n2 20 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n2 20 MHz / 64QAM / High



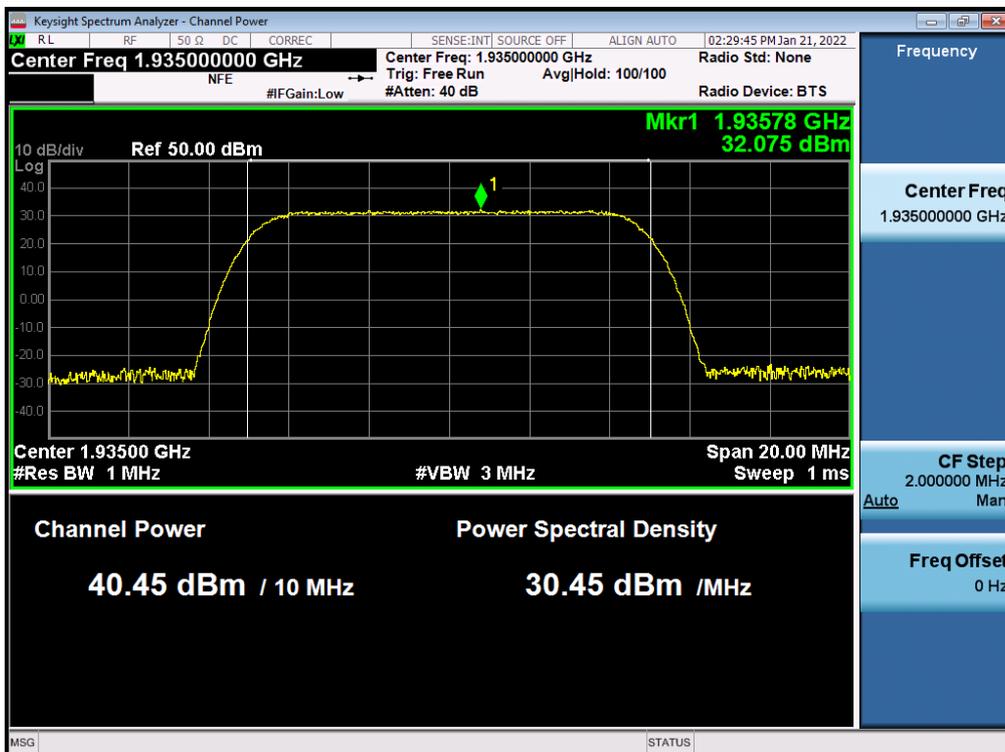
Antenna 0 / (4 Port) LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / LTE B2 5 MHz / 64QAM / Low



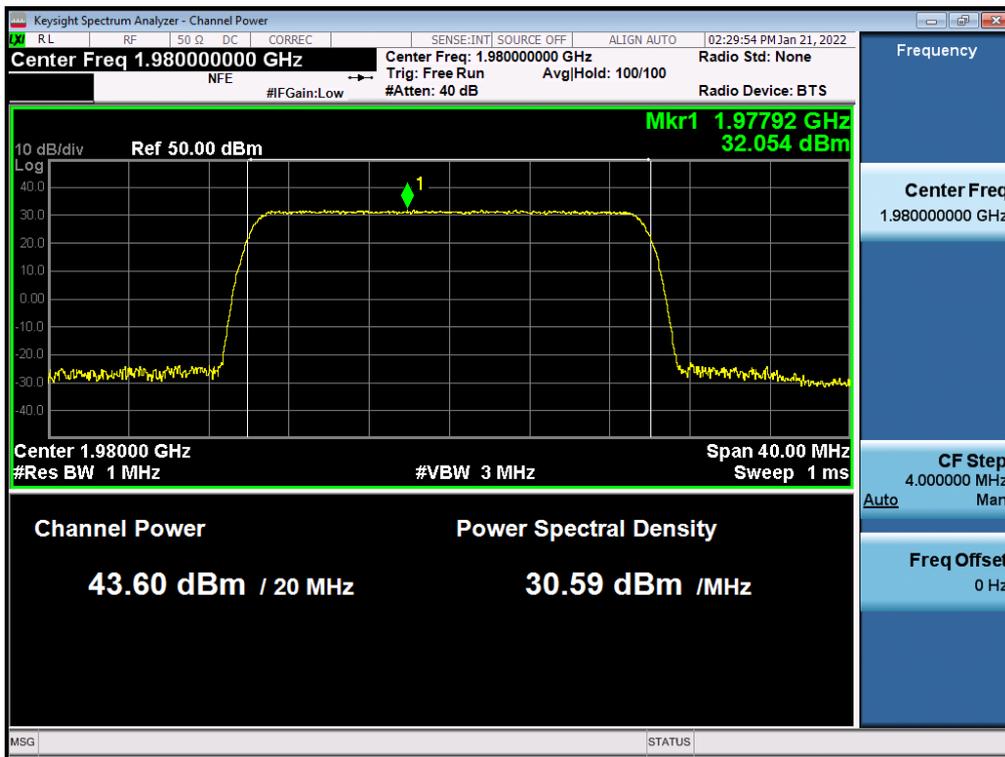
Antenna 0 / (4 Port) LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n2 5 MHz / 64QAM / High



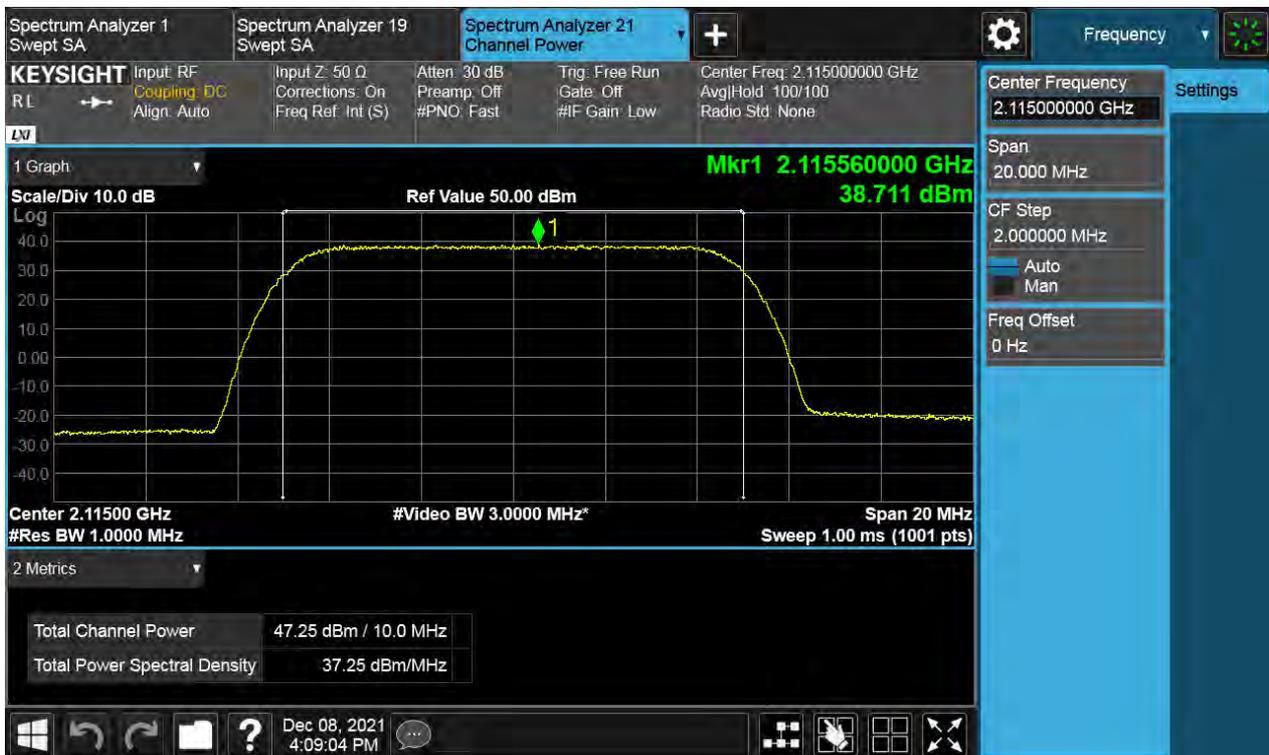
Antenna 0 / (4 Port) LTE B2 10 MHz 1 Carrier + 5G NR n2 20 MHz 1 Carrier [2 Carrier] / Non-Contiguous / LTE B2 10 MHz / QPSK / Low



Antenna 0 / (4 Port) LTE B2 10 MHz 1 Carrier + 5G NR n2 20 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n2 20 MHz / QPSK / High



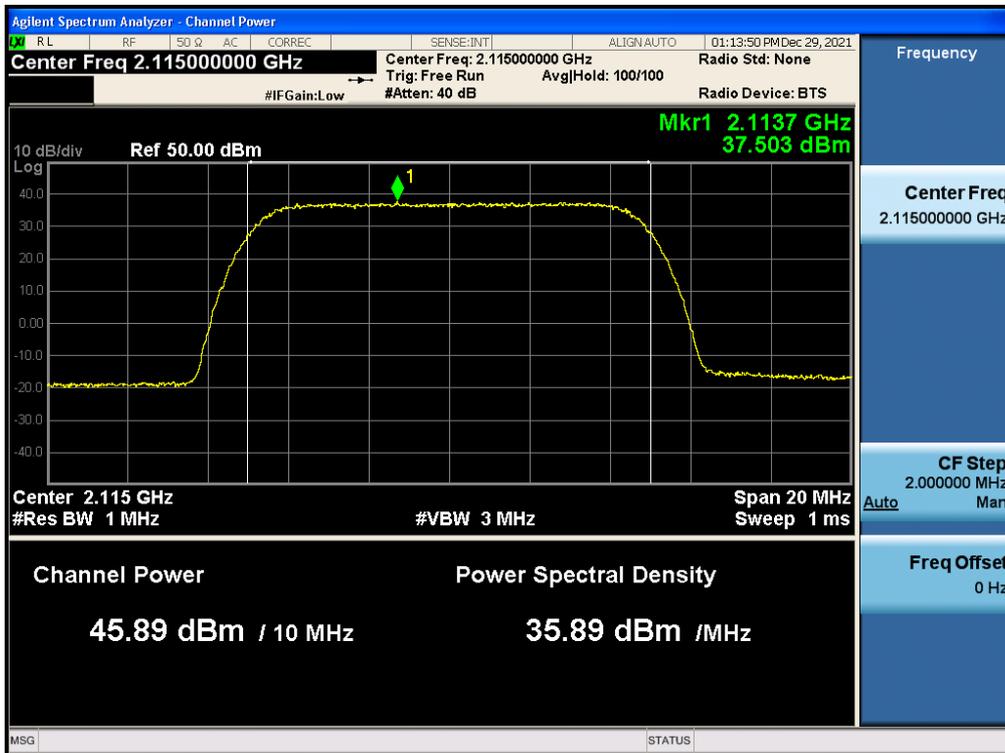
Antenna 0 / (2 Port) B66 DSS 10 MHz 9to1 1 Carrier + LTE B66 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B66 DSS 10 MHz 9to1 / 256QAM / Low



**Antenna 0 / (2 Port) B66 DSS 10 MHz 9to1 1 Carrier + LTE B66 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / LTE B66 5 MHz / 256QAM / High**



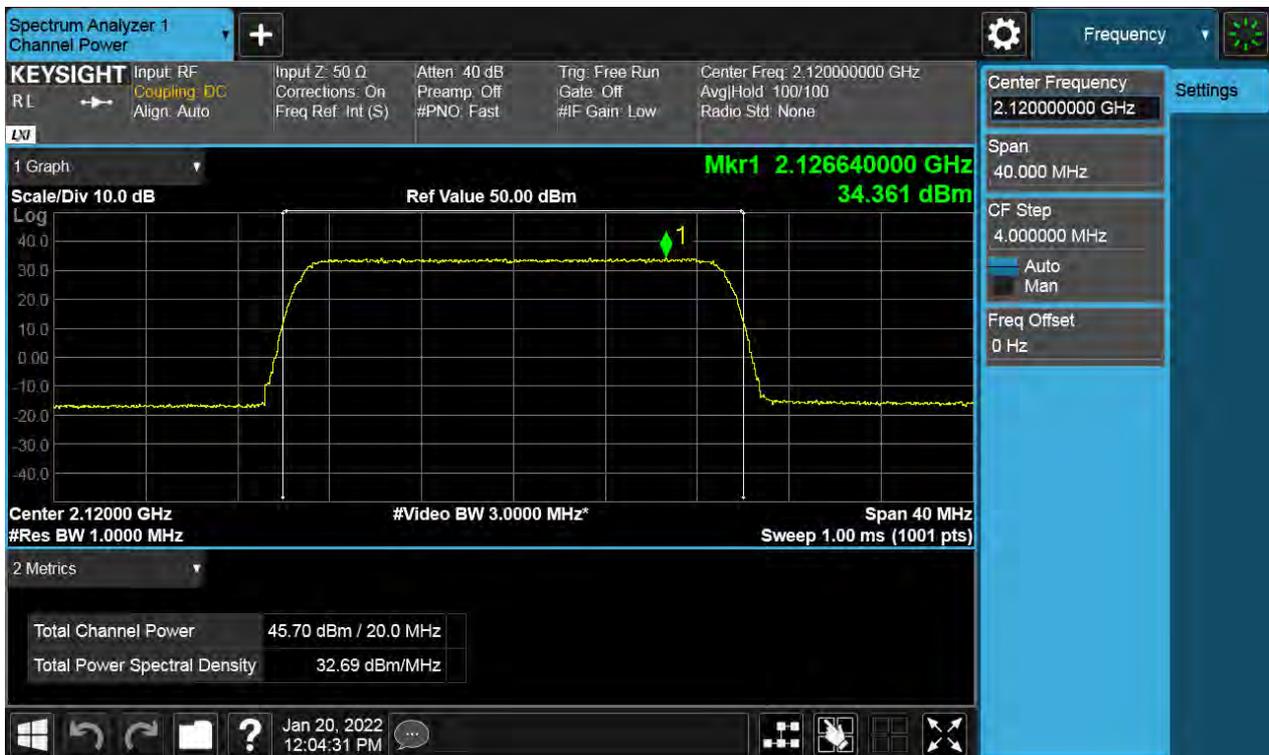
**Antenna 0 / (4 Port) B66 DSS 10 MHz 9to1 1 Carrier + LTE B66 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B66 DSS 10 MHz 9to1 / 64QAM / Low**

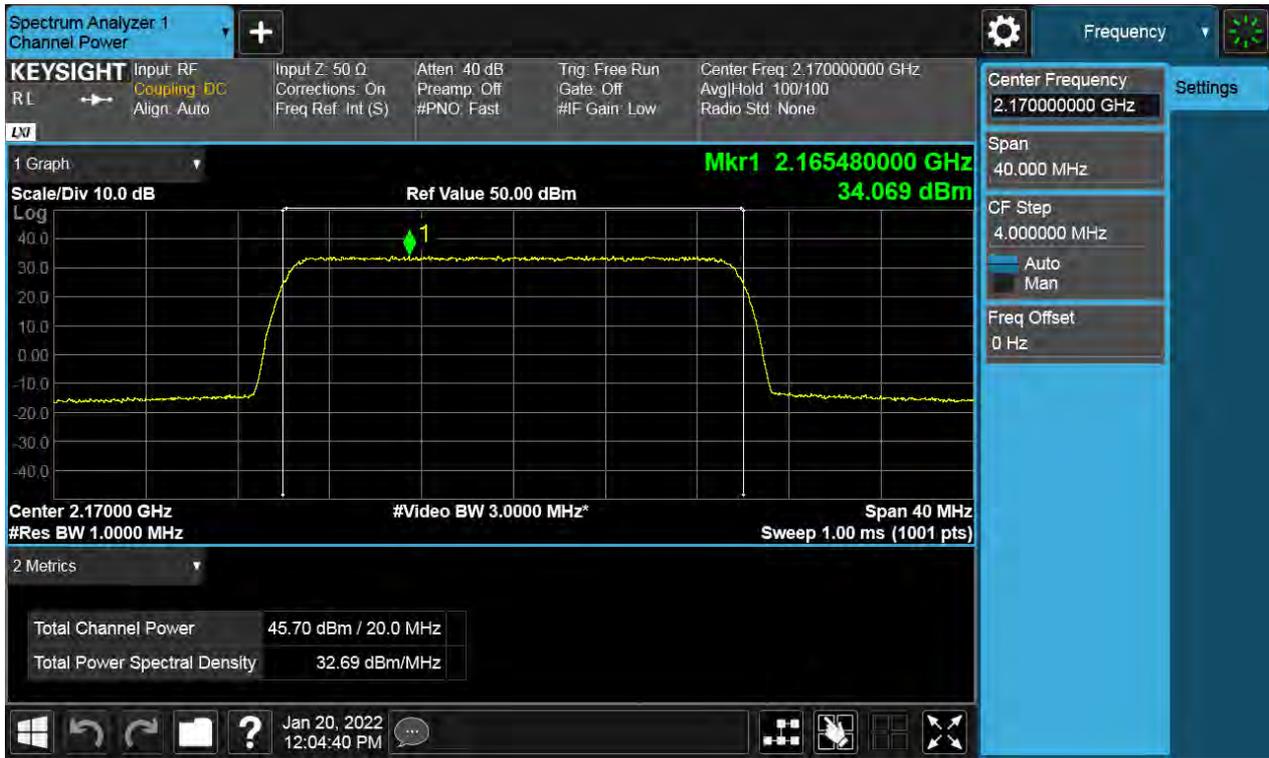


**Antenna 0 / (4 Port) B66 DSS 10 MHz 9to1 1 Carrier + LTE B66 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / LTE B66 5 MHz / 64QAM / High**

**Antenna 1 / (2 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / LTE B66 5 MHz / 64QAM / Low**


**Antenna 1 / (2 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n66 5 MHz / 64QAM / High**

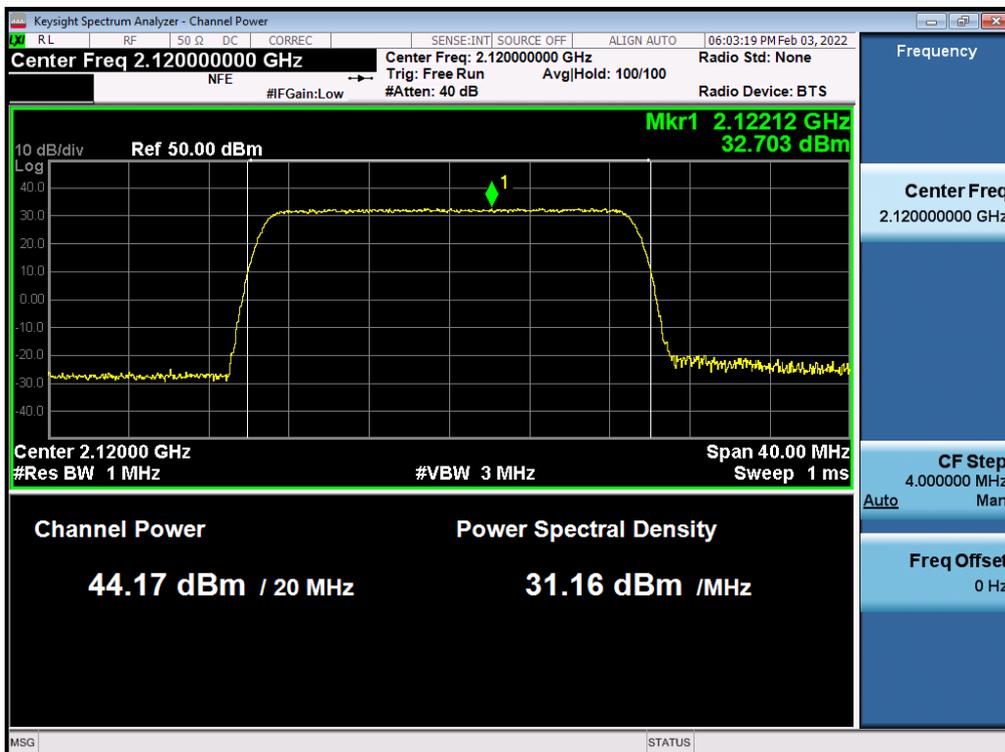
**Antenna 1 / (2 Port) LTE B66 20 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [2 Carrier] / Non-Contiguous / LTE B66 20 MHz / QPSK / Low**


**Antenna 1 / (2 Port) LTE B66 20 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n66 20 MHz / QPSK / High**

**Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / LTE B66 5 MHz / 16QAM / Low**

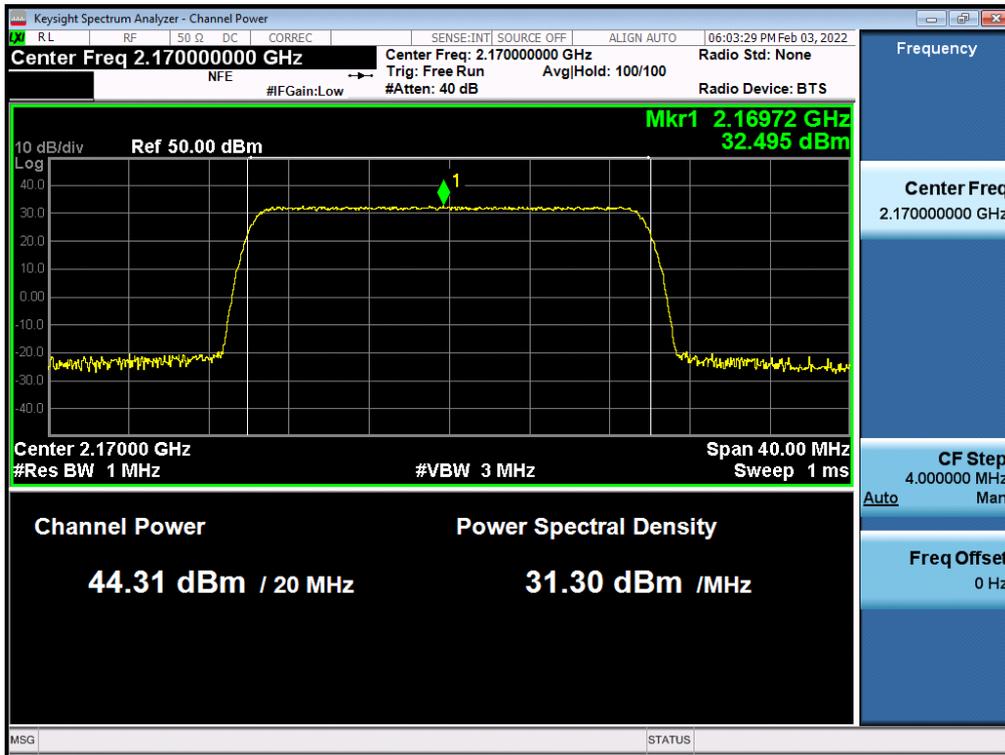

Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n66 10 MHz / 16QAM / High



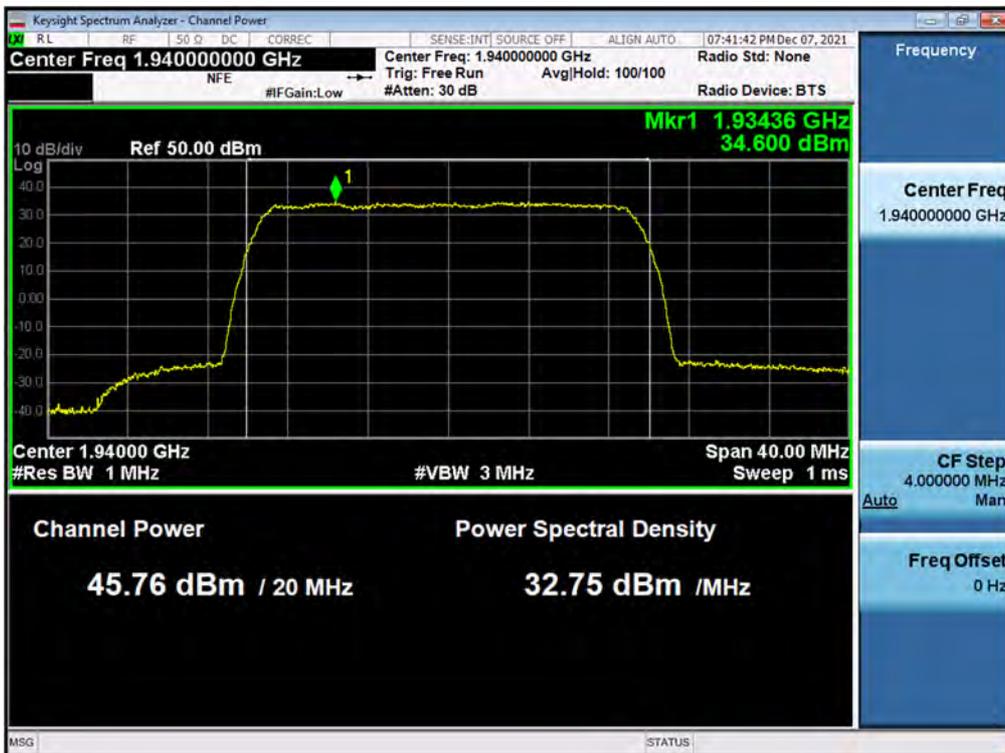
Antenna 2 / (4 Port) LTE B66 20 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [2 Carrier] / Non-Contiguous / LTE B66 20 MHz / 256QAM / Low



Antenna 2 / (4 Port) LTE B66 20 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n66 20 MHz / 256QAM / High



Antenna 0 / (2 Port) B2 DSS 20 MHz 9to1 1 Carrier + LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier [3 Carrier] (1C+2C) / Non-Contiguous / B2 DSS 20 MHz 9to1 / 16QAM / Low



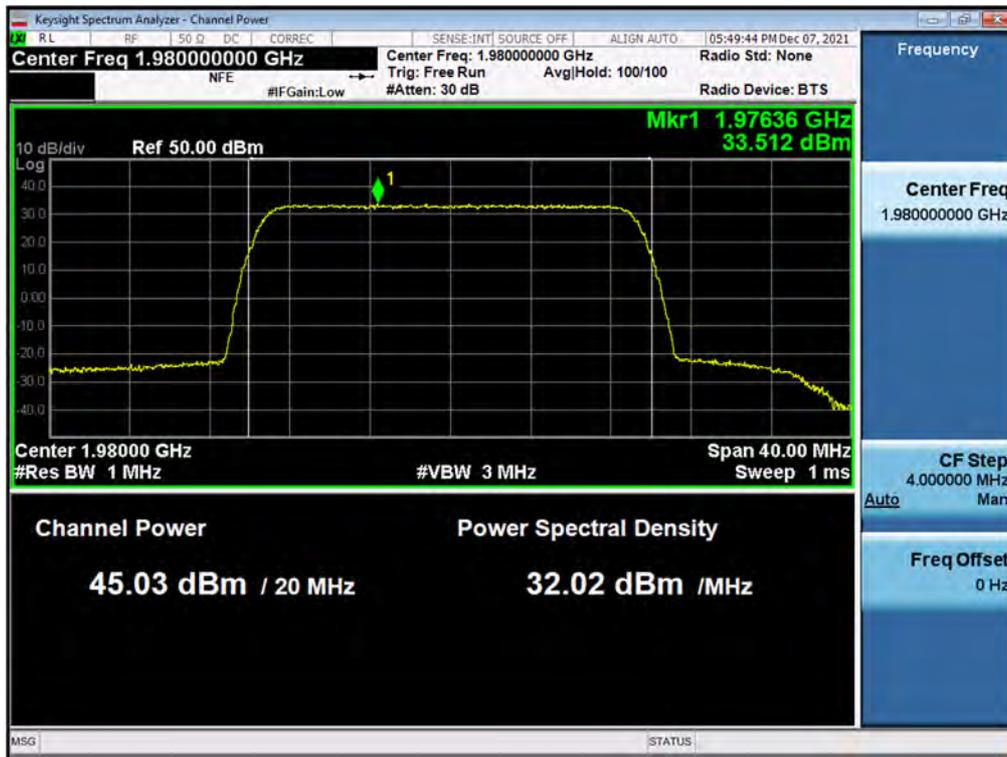
Antenna 0 / (2 Port) B2 DSS 20 MHz 9to1 1 Carrier + LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier [3 Carrier] (1C+2C) / Non-Contiguous / LTE B2 5 MHz + LTE B2 5 MHz / 16QAM / High



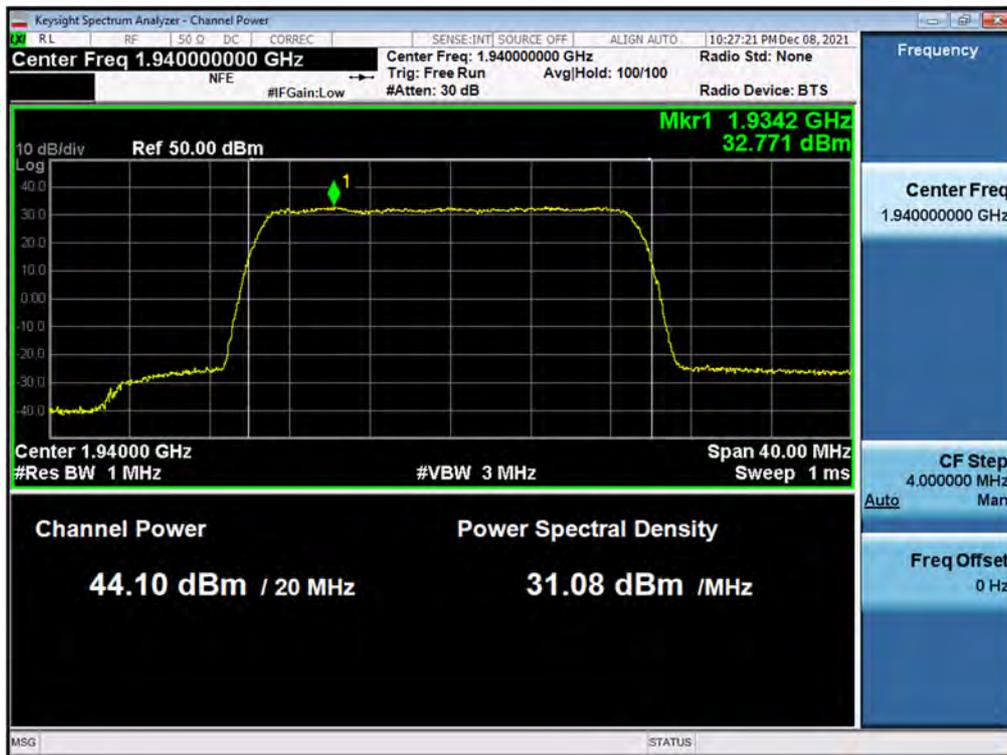
Antenna 1 / (2 Port) B2 DSS 20 MHz 9to1 1 Carrier + LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier [3 Carrier] (2C+1C) / Non-Contiguous / B2 DSS 20 MHz 9to1 + LTE B2 5 MHz / 256QAM / Low



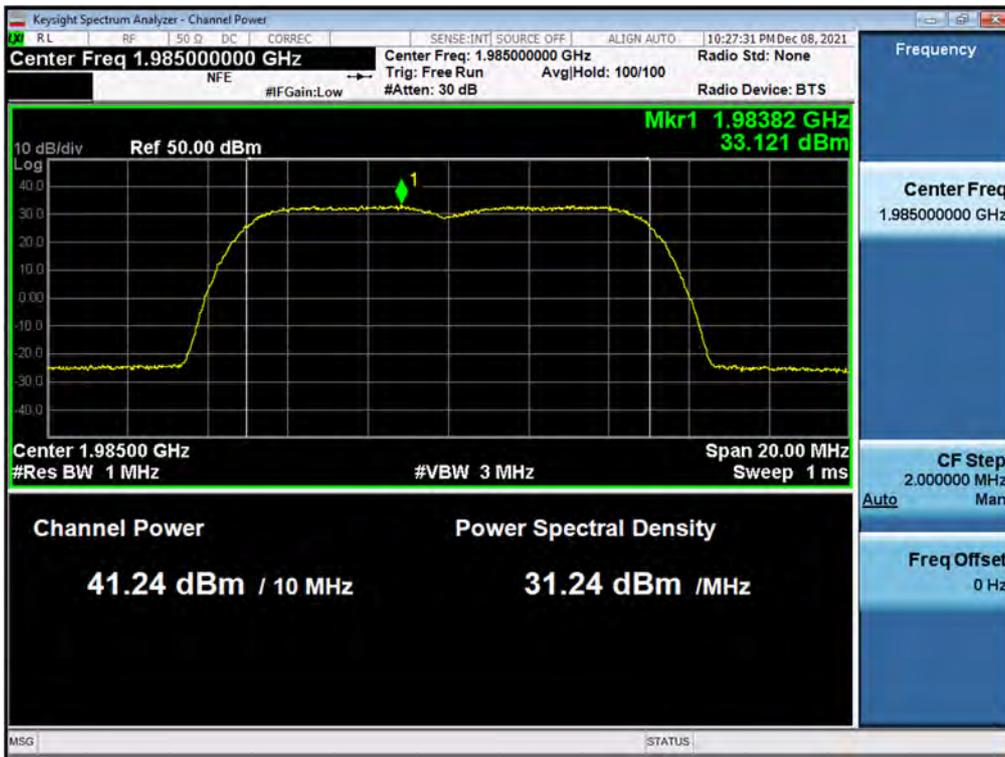
Antenna 1 / (2 Port) B2 DSS 20 MHz 9to1 1 Carrier + LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier [3 Carrier] (2C+1C) / Non-Contiguous / LTE B2 5 MHz / 256QAM / High



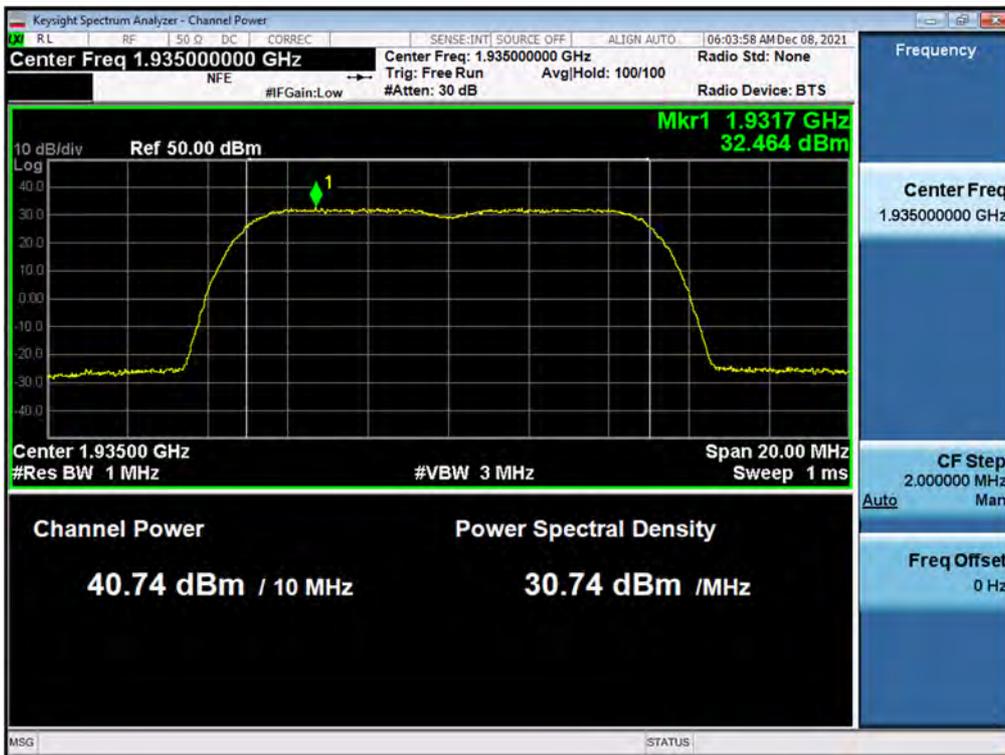
Antenna 0 / (4 Port) B2 DSS 20 MHz 9to1 1 Carrier + LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier [3 Carrier] (1C+2C) / Non-Contiguous / B2 DSS 20 MHz 9to1 / 16QAM / Low



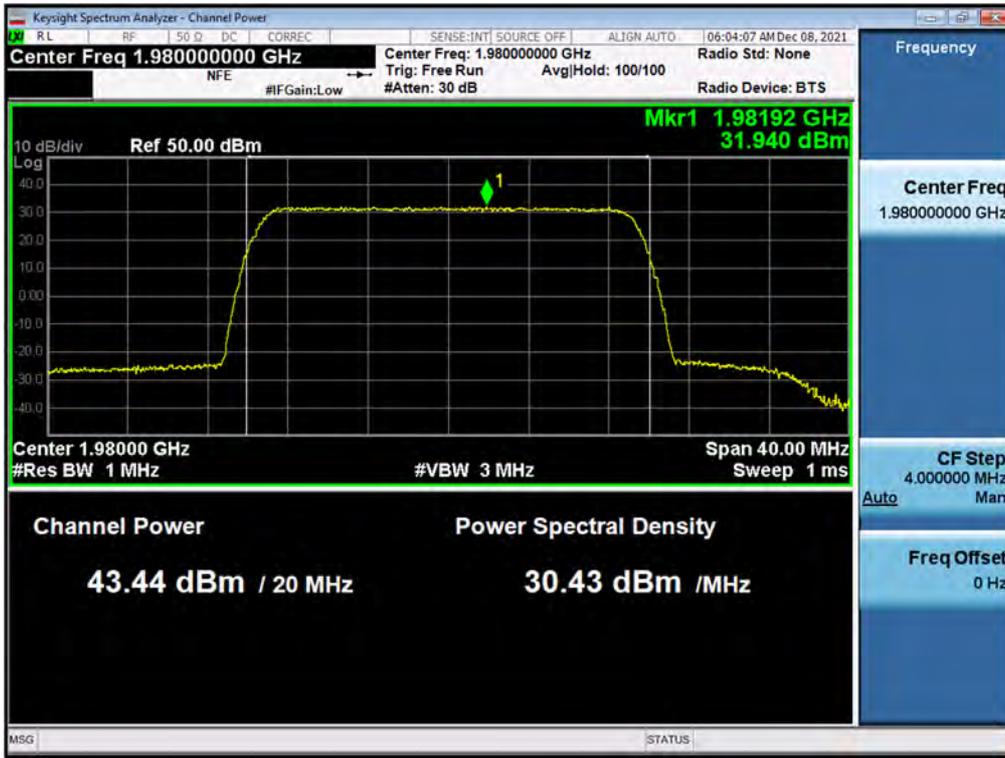
Antenna 0 / (4 Port) B2 DSS 20 MHz 9to1 1 Carrier + LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier [3 Carrier] (1C+2C) / Non-Contiguous / LTE B2 5 MHz + LTE B2 5 MHz / 16QAM / High



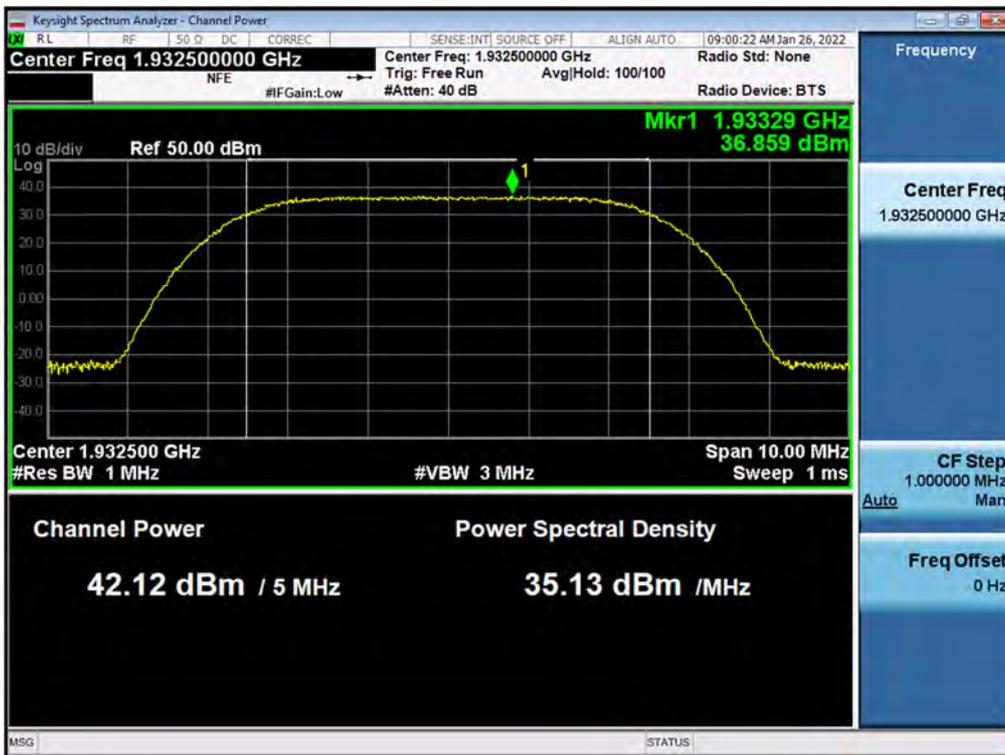
Antenna 1 / (4 Port) B2 DSS 20 MHz 9to1 1 Carrier + LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier [3 Carrier] (2C+1C) / Non-Contiguous / B2 DSS 20 MHz 9to1 + LTE B2 5 MHz / QPSK / Low



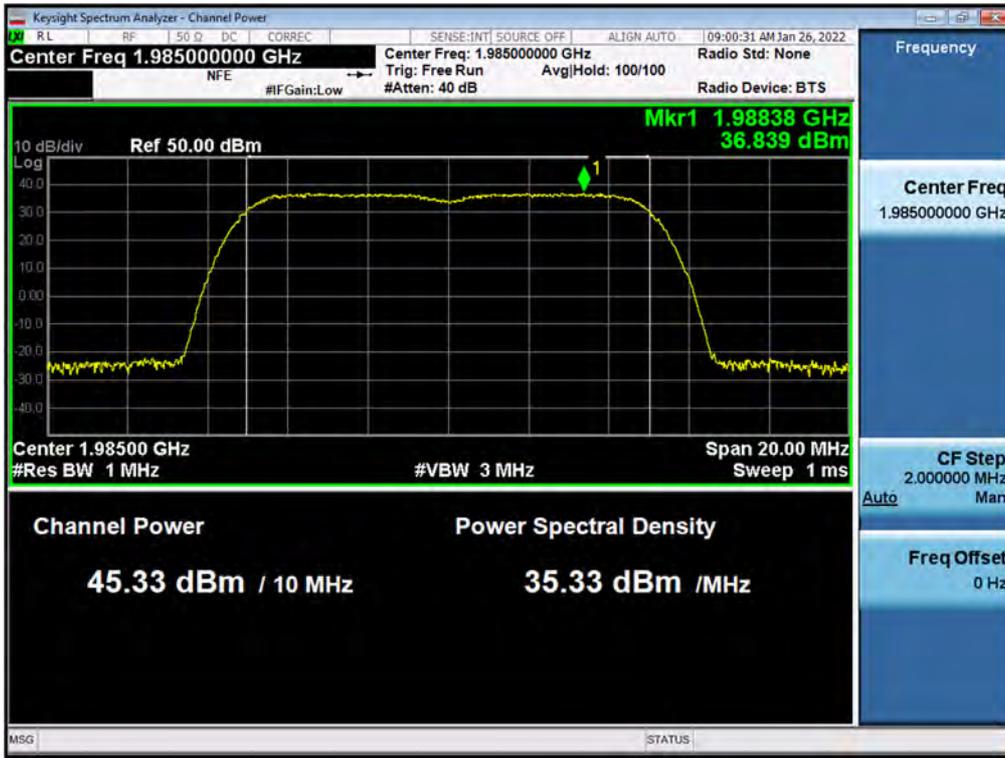
Antenna 1 / (4 Port) B2 DSS 20 MHz 9to1 1 Carrier + LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier [3 Carrier] (2C+1C) / Non-Contiguous / LTE B2 5 MHz / QPSK / High



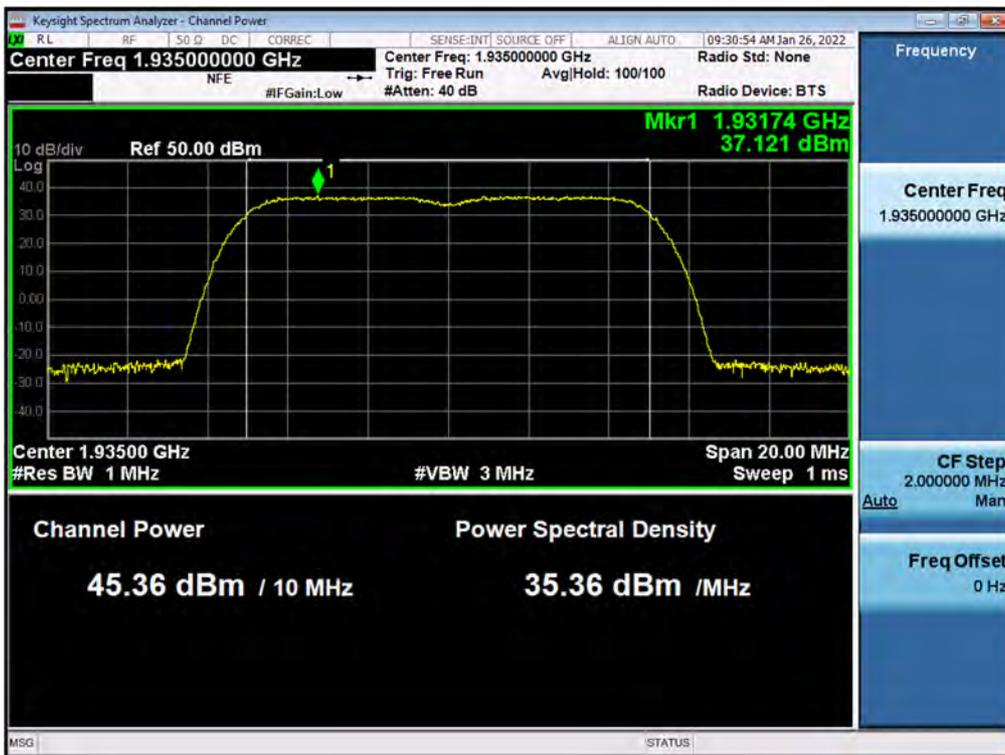
Antenna 0 / (2 Port) LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier [3 Carrier] (1C+2C) / Non-Contiguous / LTE B2 5 MHz / 256QAM / Low



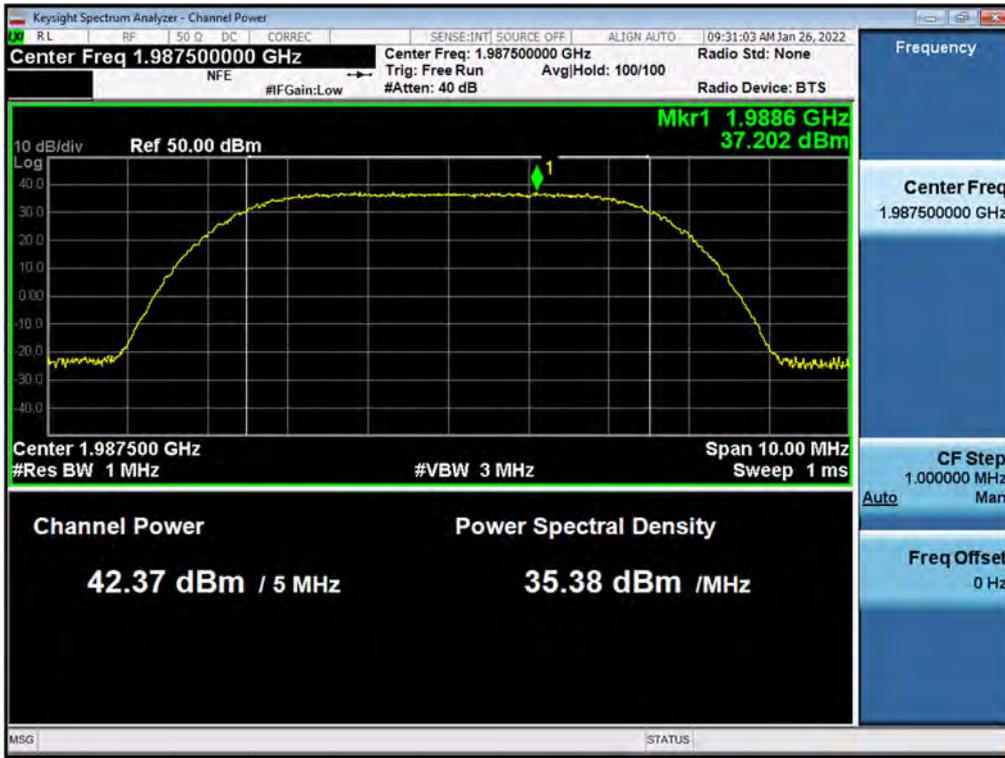
Antenna 0 / (2 Port) LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier [3 Carrier] (1C+2C) / Non-Contiguous / LTE B2 5 MHz + 5G NR n2 5 MHz / 256QAM / High



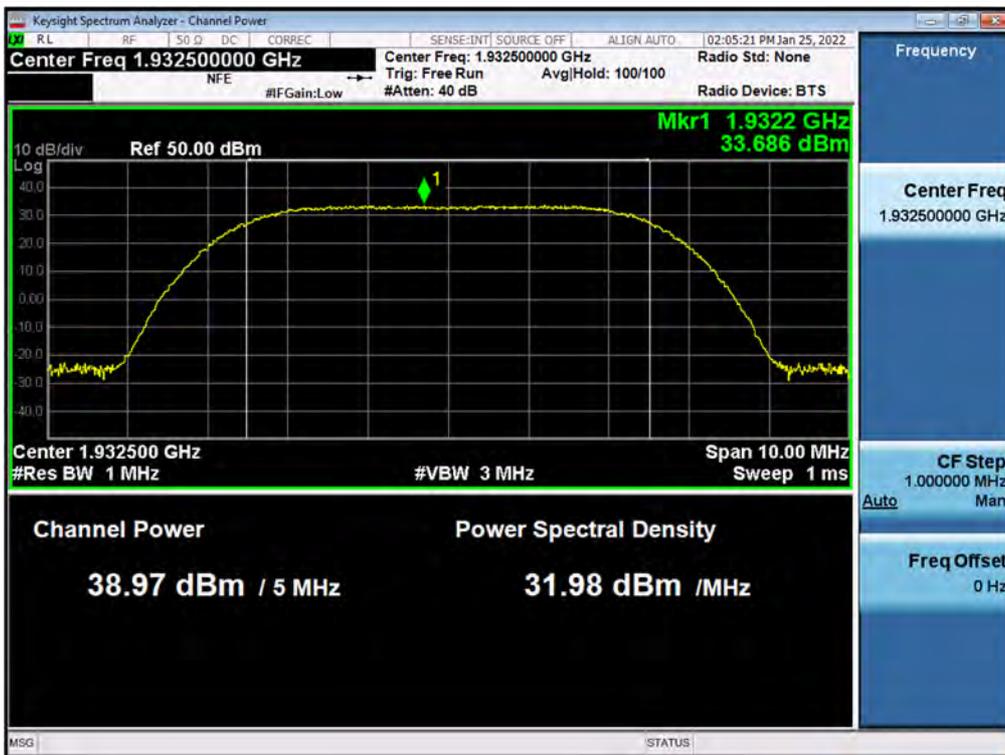
Antenna 0 / (2 Port) LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier [3 Carrier] (2C+1C) / Non-Contiguous / LTE B2 5 MHz + LTE B2 5 MHz / 256QAM / Low



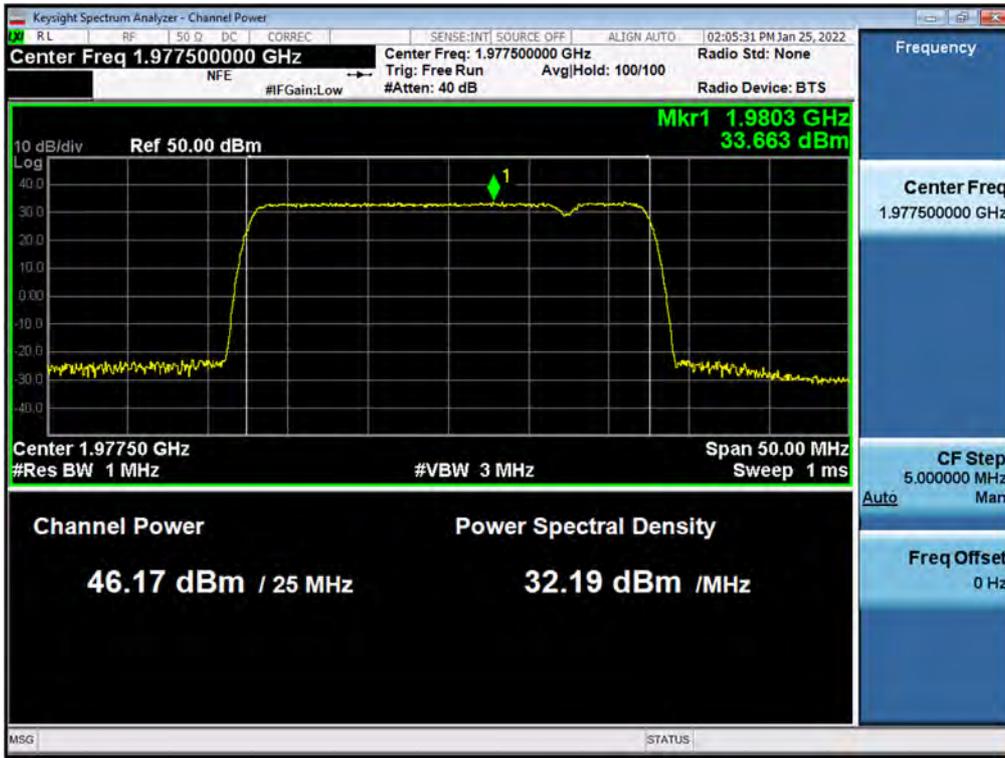
Antenna 0 / (2 Port) LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier [3 Carrier] (2C+1C) / Non-Contiguous / 5G NR n2 5 MHz / 256QAM / High



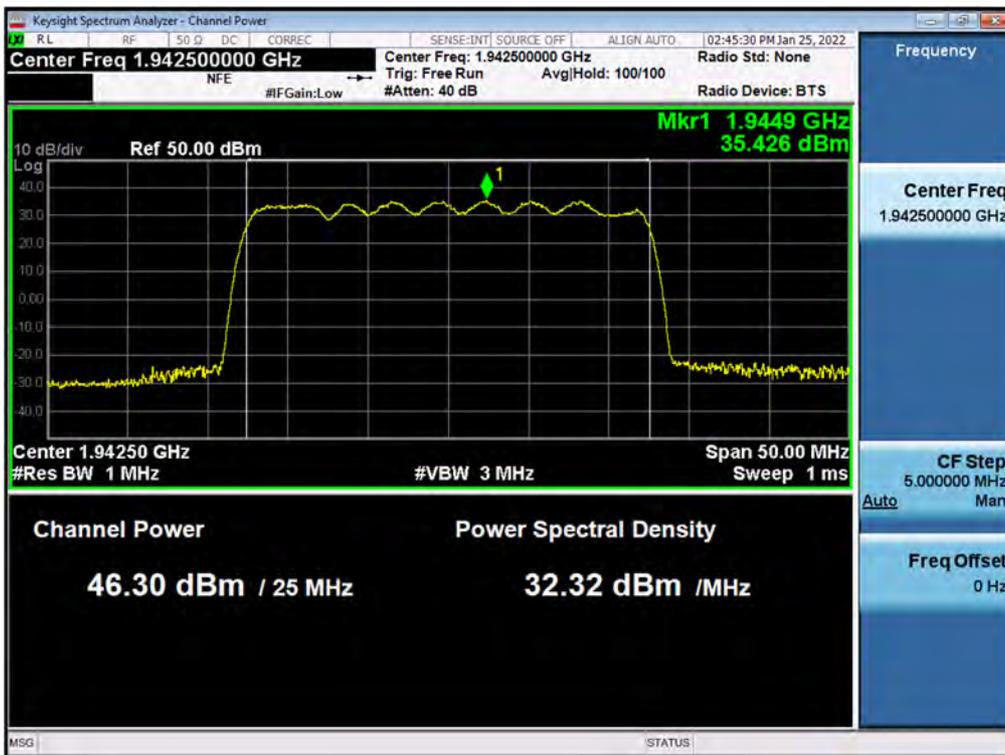
Antenna 0 / (2 Port) LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier + 5G NR n2 20 MHz 1 Carrier [3 Carrier] (1C+2C) / Non-Contiguous / LTE B2 5 MHz / QPSK / Low



Antenna 0 / (2 Port) LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier + 5G NR n2 20 MHz 1 Carrier [3 Carrier] (1C+2C) / Non-Contiguous / LTE B2 5 MHz + 5G NR n2 20 MHz / QPSK / High



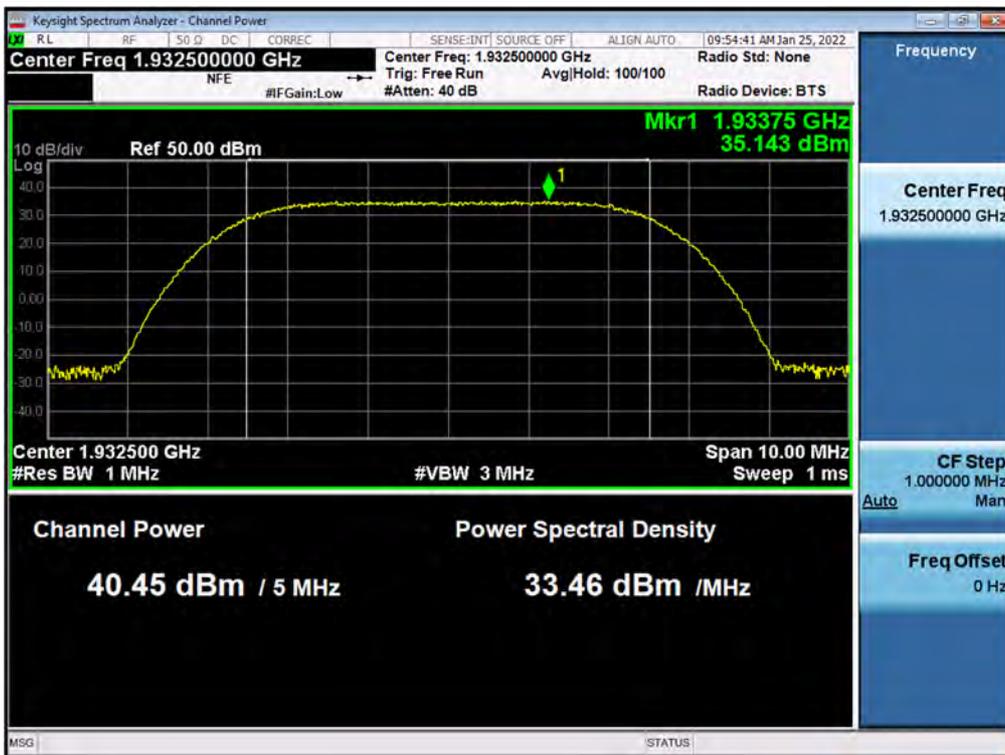
Antenna 0 / (2 Port) LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier + 5G NR n2 20 MHz 1 Carrier [3 Carrier] (2C+1C) / Non-Contiguous / LTE B2 5 MHz + LTE B2 5 MHz / 16QAM / Low



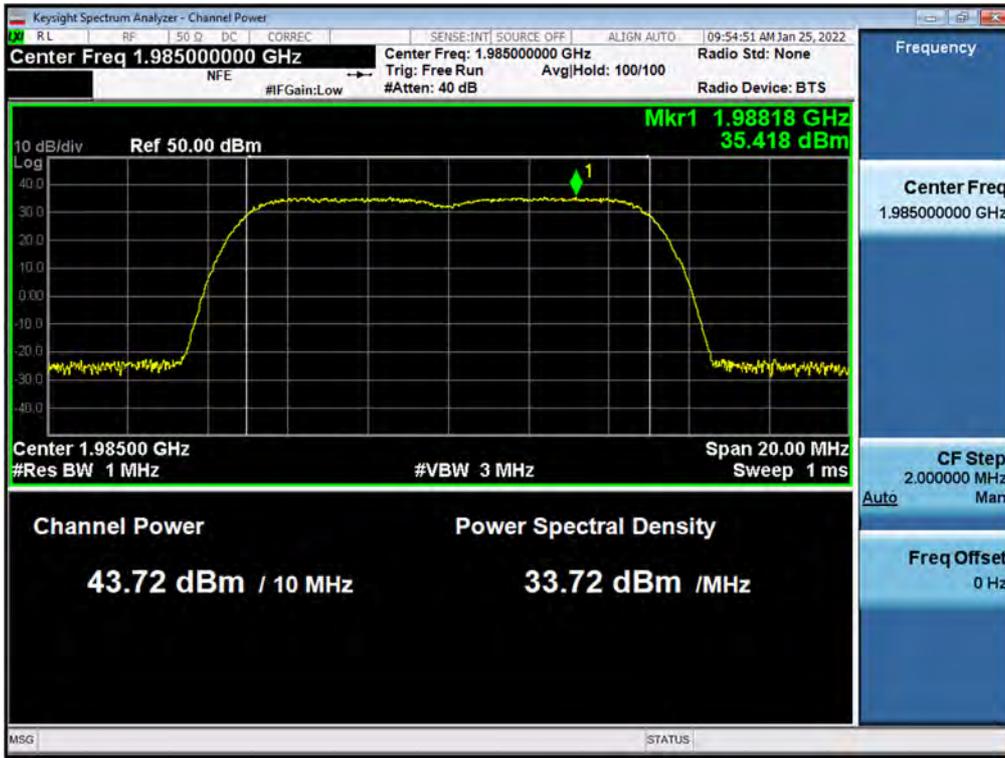
Antenna 0 / (2 Port) LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier + 5G NR n2 20 MHz 1 Carrier [3 Carrier] (2C+1C) / Non-Contiguous / 5G NR n2 20 MHz / 16QAM / High



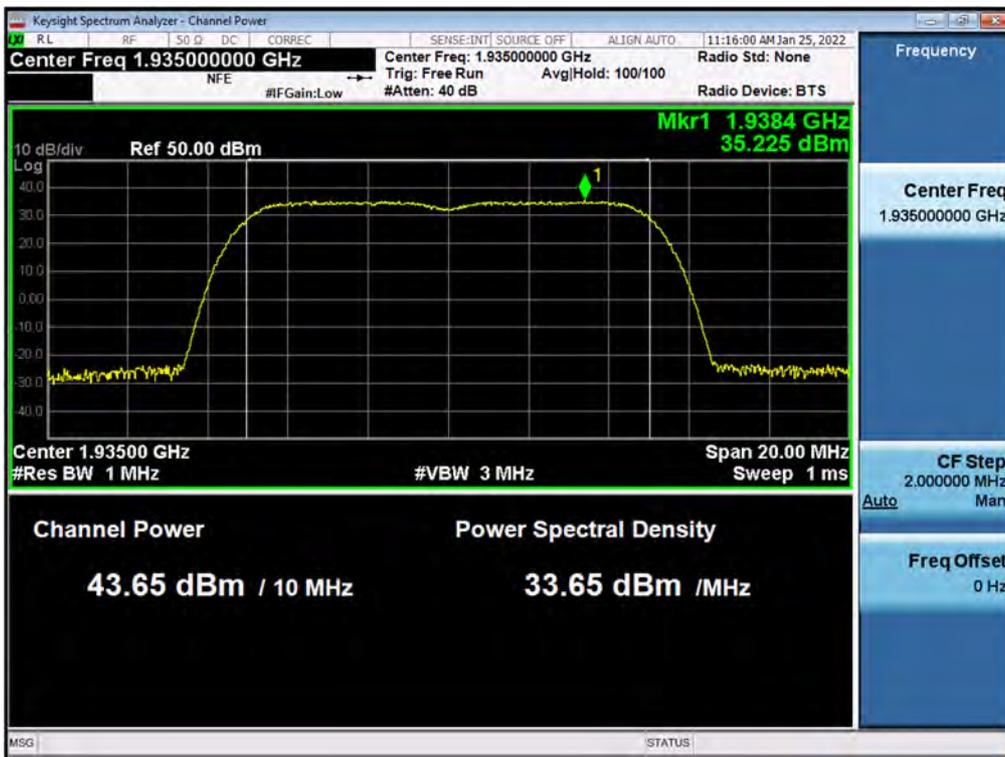
Antenna 0 / (4 Port) LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier [3 Carrier] (1C+2C) / Non-Contiguous / LTE B2 5 MHz / QPSK / Low



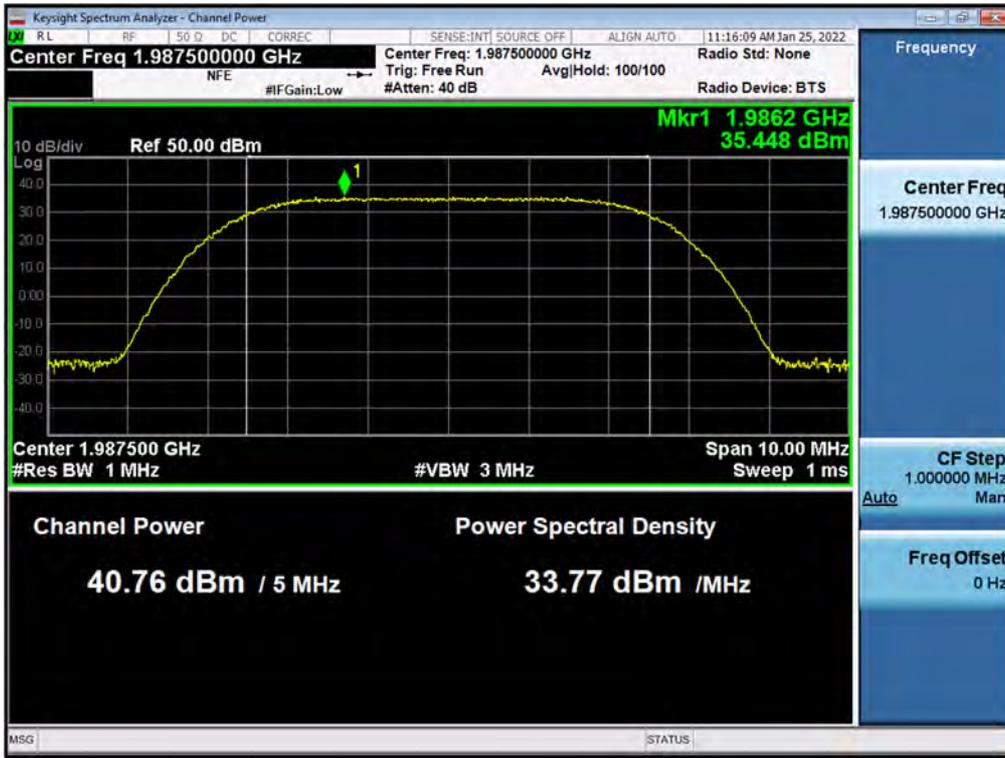
Antenna 0 / (4 Port) LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier [3 Carrier] (1C+2C) / Non-Contiguous / LTE B2 5 MHz + 5G NR n2 5 MHz / QPSK / High



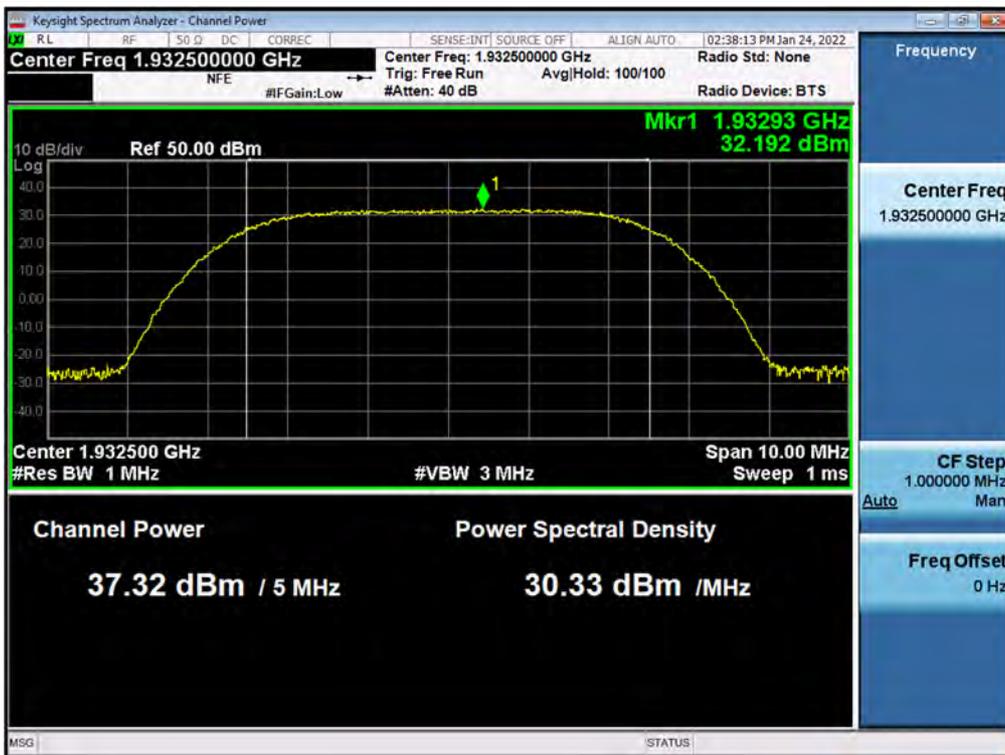
Antenna 0 / (4 Port) LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier [3 Carrier] (2C+1C) / Non-Contiguous / LTE B2 5 MHz + LTE B2 5 MHz / 64QAM / Low



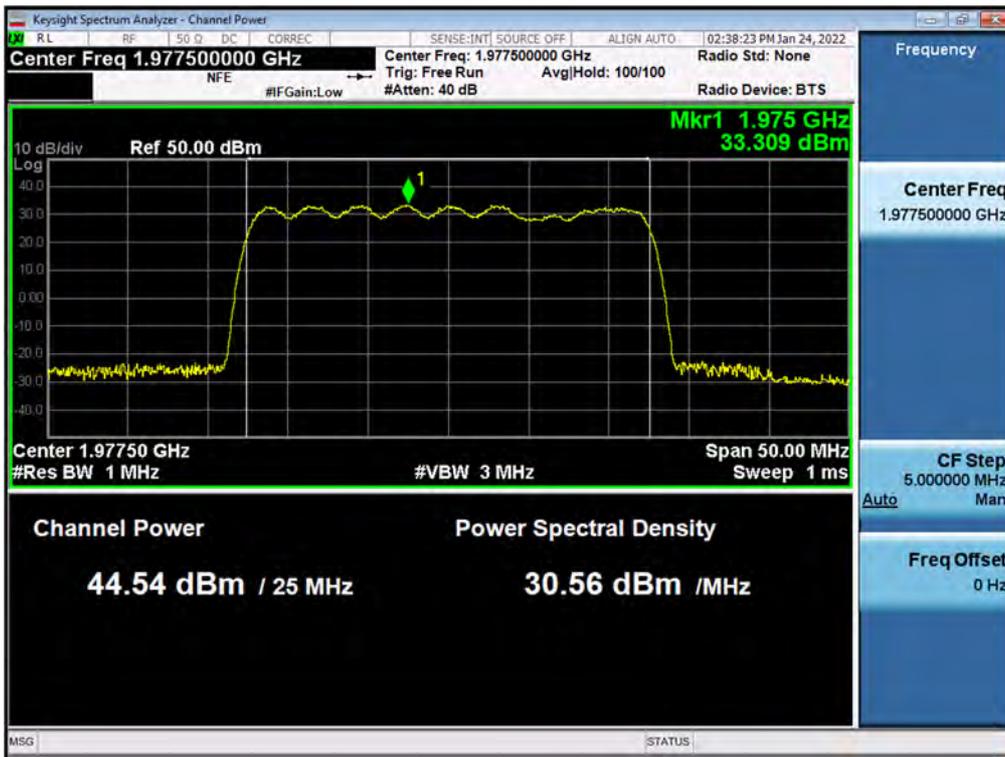
Antenna 0 / (4 Port) LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier [3 Carrier] (2C+1C) / Non-Contiguous / 5G NR n2 5 MHz / 64QAM / High



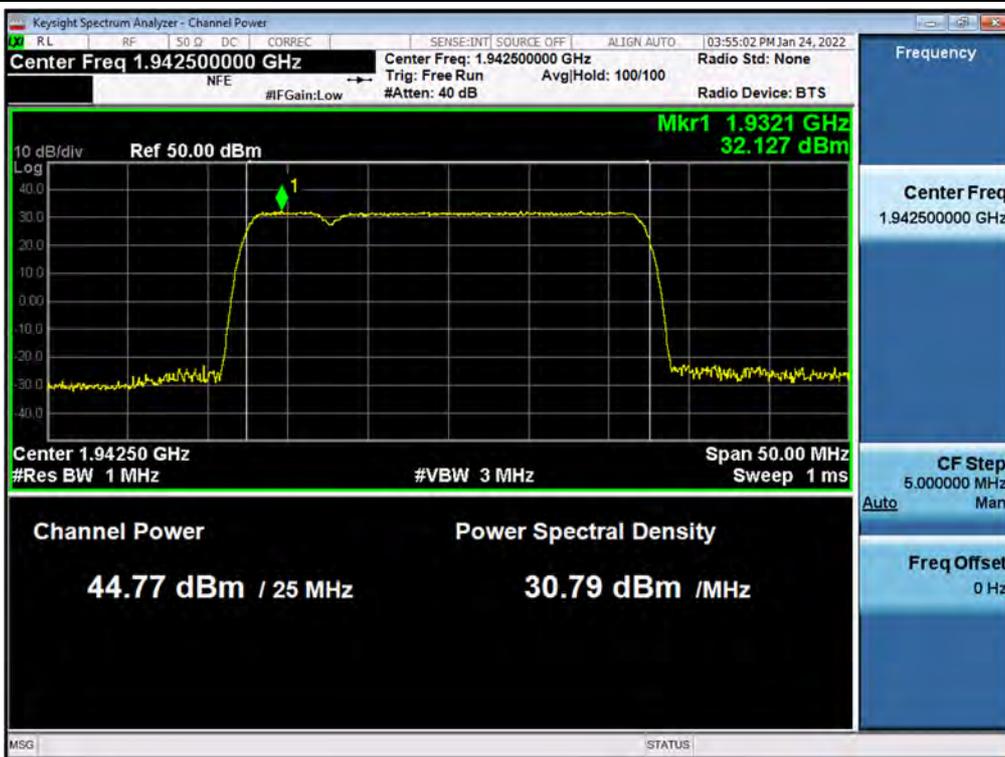
Antenna 0 / (4 Port) LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier + 5G NR n2 20 MHz 1 Carrier [3 Carrier] (1C+2C) / Non-Contiguous / LTE B2 5 MHz / 16QAM / Low



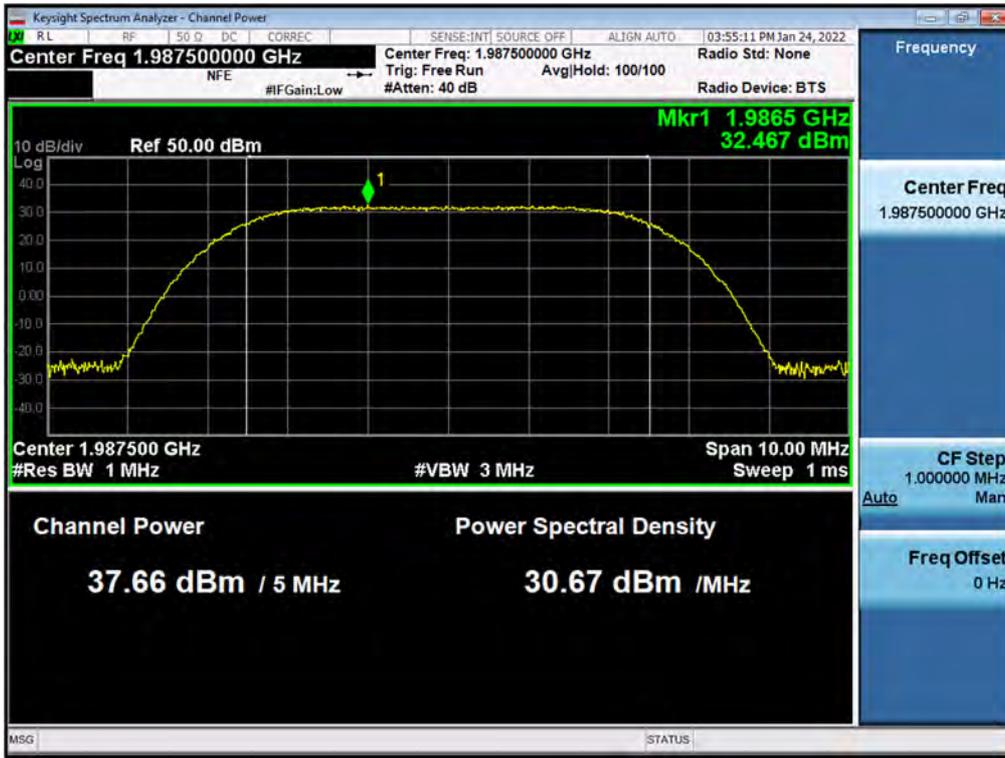
Antenna 0 / (4 Port) LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier + 5G NR n2 20 MHz 1 Carrier [3 Carrier] (1C+2C) / Non-Contiguous / LTE B2 5 MHz + 5G NR n2 20 MHz / 16QAM / High



Antenna 0 / (4 Port) LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier + 5G NR n2 20 MHz 1 Carrier [3 Carrier] (2C+1C) / Non-Contiguous / LTE B2 5 MHz + LTE B2 5 MHz / 64QAM / Low



Antenna 0 / (4 Port) LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier + 5G NR n2 20 MHz 1 Carrier [3 Carrier] (2C+1C) / Non-Contiguous / 5G NR n2 20 MHz / 64QAM / High



Antenna 1 / (2 Port) B66 DSS 20 MHz 9to1 1 Carrier + LTE B66 10 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier [4 Carrier] (1C+3C) / Non-Contiguous / B66 DSS 20 MHz 9to1 / 64QAM / Low



Antenna 1 / (2 Port) B66 DSS 20 MHz 9to1 1 Carrier + LTE B66 10 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier [4 Carrier] (1C+3C) / Non-Contiguous / LTE B66 10 MHz + LTE B66 5 MHz + LTE B66 5 MHz / 64QAM / High



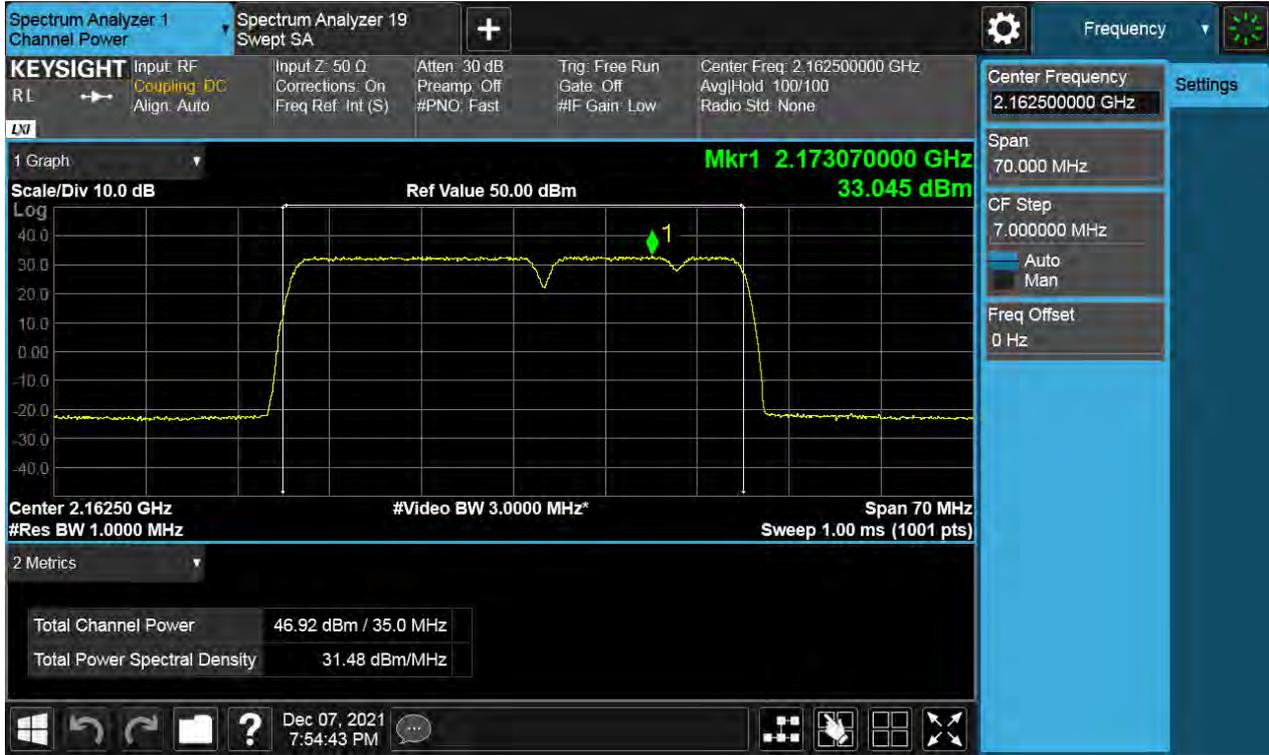
Antenna 1 / (2 Port) B66 DSS 20 MHz 9to1 1 Carrier + LTE B66 10 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier [4 Carrier] (3C+1C) / Non-Contiguous / B66 DSS 20 MHz 9to1 + LTE B66 10 MHz + LTE B66 5 MHz / 16QAM / Low



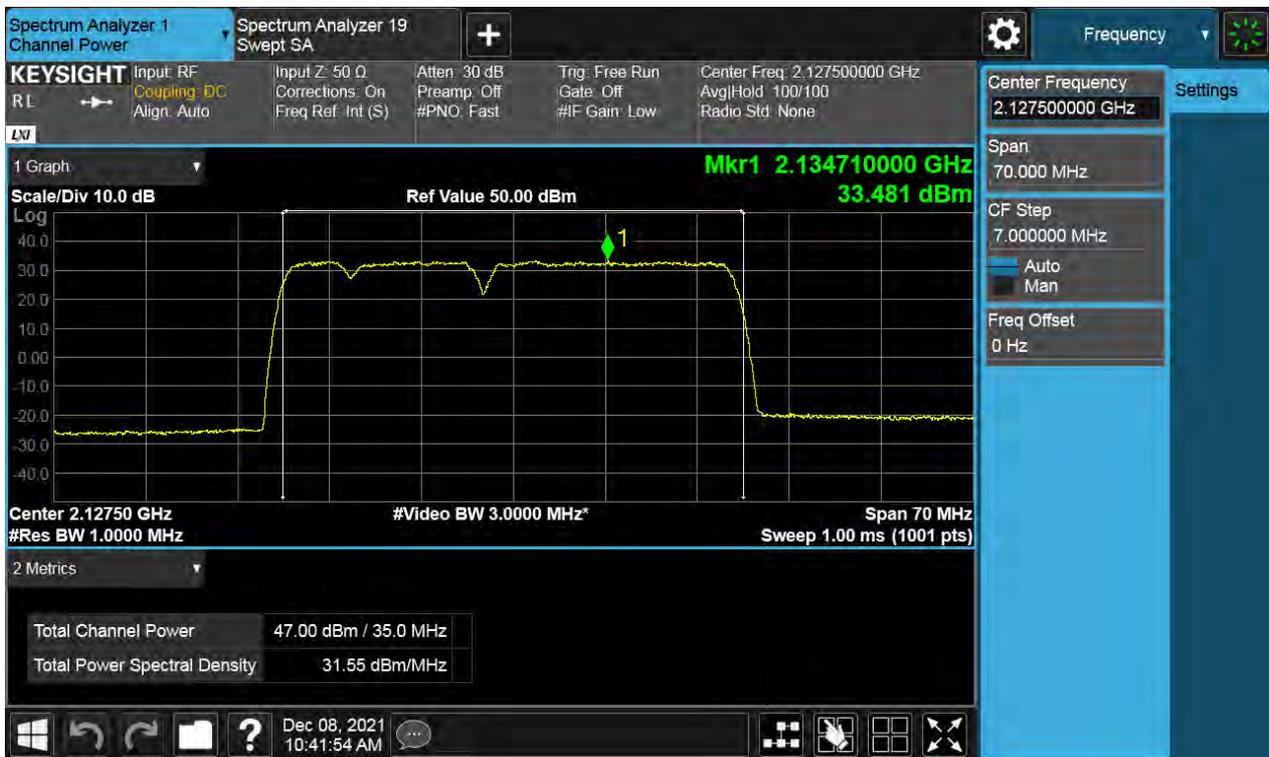
**Antenna 1 / (2 Port) B66 DSS 20 MHz 9to1 1 Carrier + LTE B66 10 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier [4 Carrier] (3C+1C) / Non-Contiguous / LTE B66 5 MHz / 16QAM / High**

**Antenna 3 / (4 Port) B66 DSS 20 MHz 9to1 1 Carrier + LTE B66 10 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier [4 Carrier] (1C+3C) / Non-Contiguous / B66 DSS 20 MHz 9to1 / QPSK / Low**

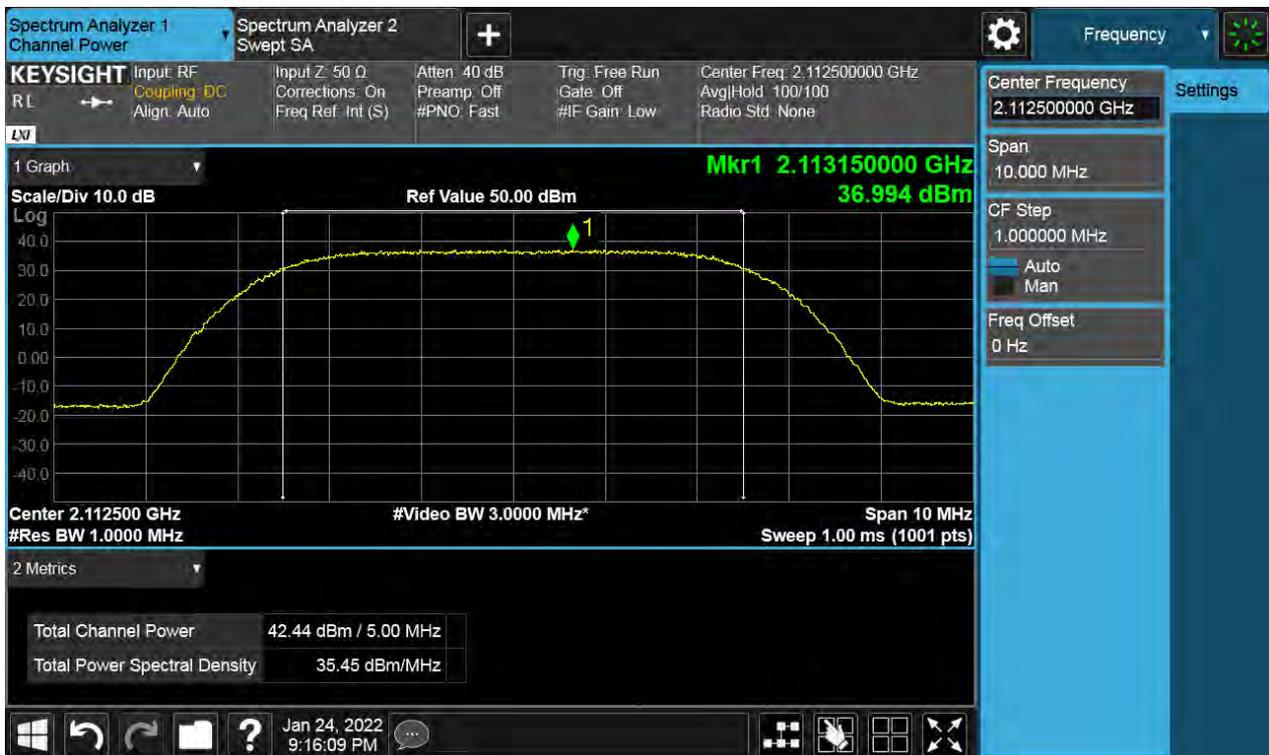

**Antenna 3 / (4 Port) B66 DSS 20 MHz 9to1 1 Carrier + LTE B66 10 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier [4 Carrier] (1C+3C) / Non-Contiguous / LTE B66 10 MHz + LTE B66 5 MHz + LTE B66 5 MHz / QPSK / High**



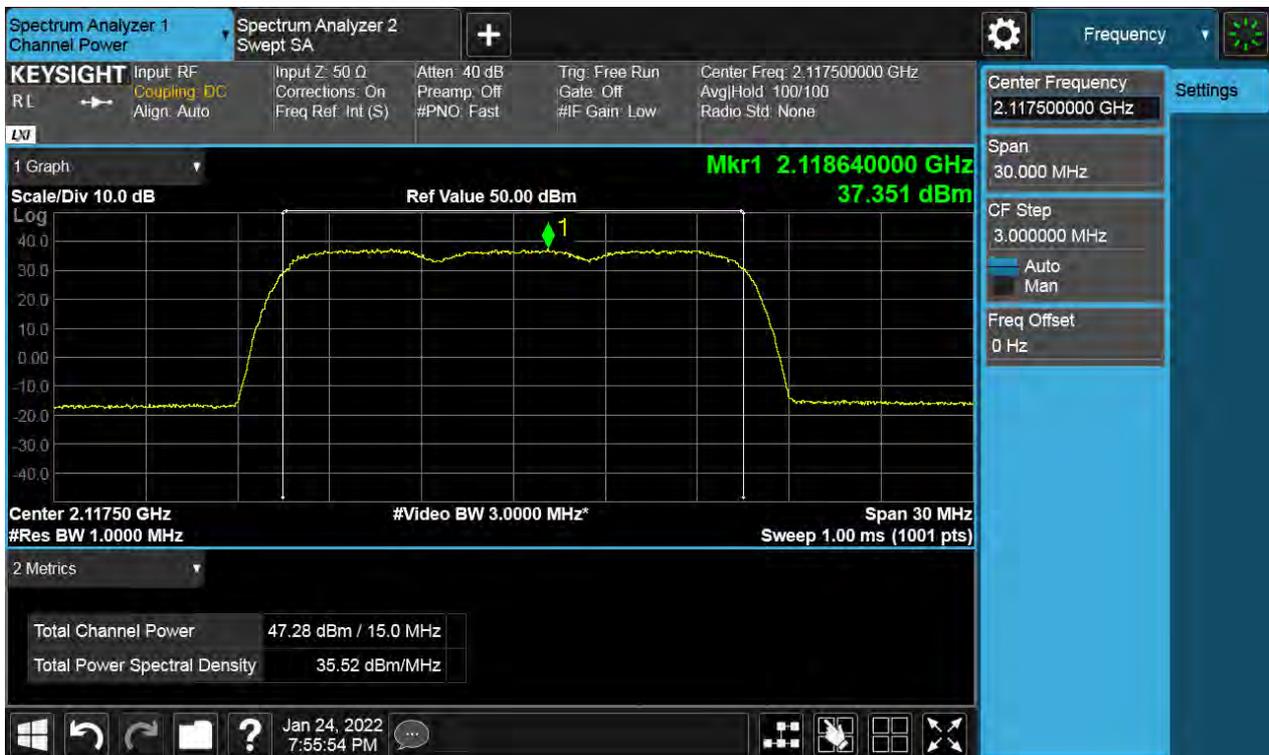
**Antenna 1 / (4 Port) B66 DSS 20 MHz 9to1 1 Carrier + LTE B66 10 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier [4 Carrier] (3C+1C) / Non-Contiguous / B66 DSS 20 MHz 9to1 + LTE B66 10 MHz + LTE B66 5 MHz / 16QAM / Low**



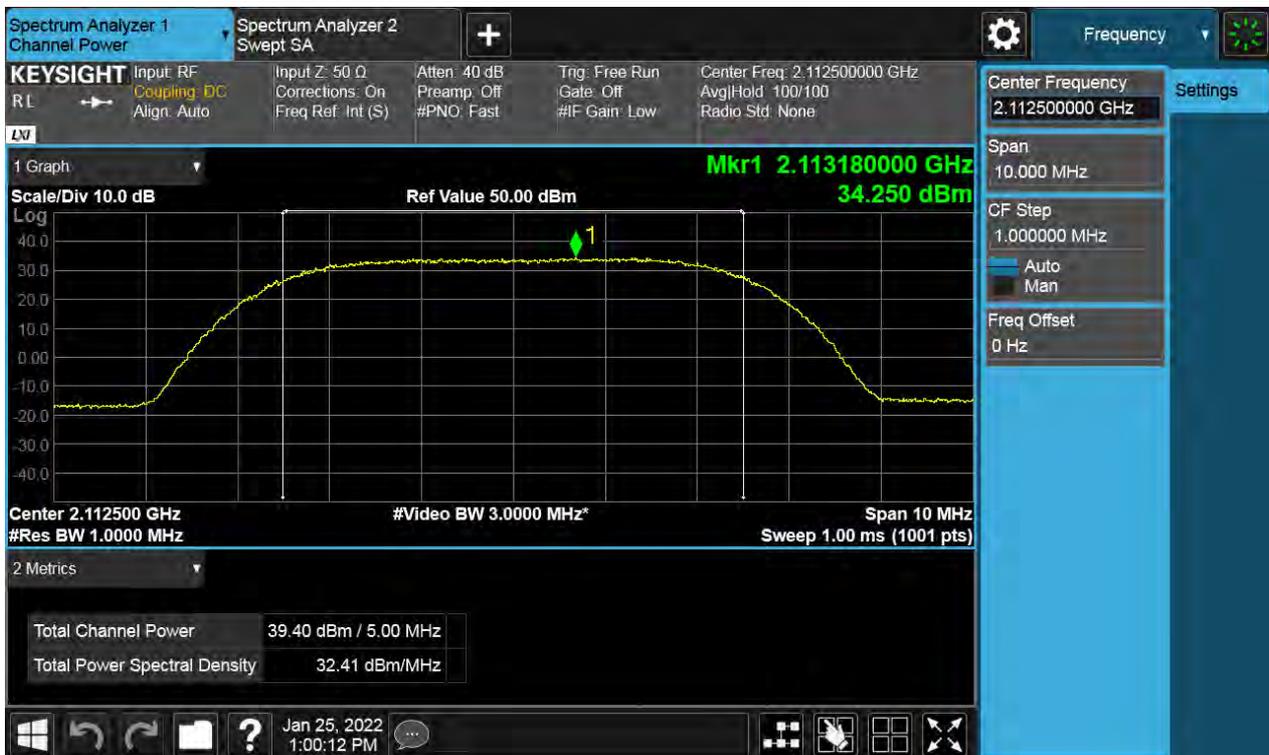
**Antenna 1 / (4 Port) B66 DSS 20 MHz 9to1 1 Carrier + LTE B66 10 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier [4 Carrier] (3C+1C) / Non-Contiguous / LTE B66 5 MHz / 16QAM / High**

**Antenna 1 / (2 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [4 Carrier] (1C+3C) / Non-Contiguous / LTE B66 5 MHz / 256QAM / Low**


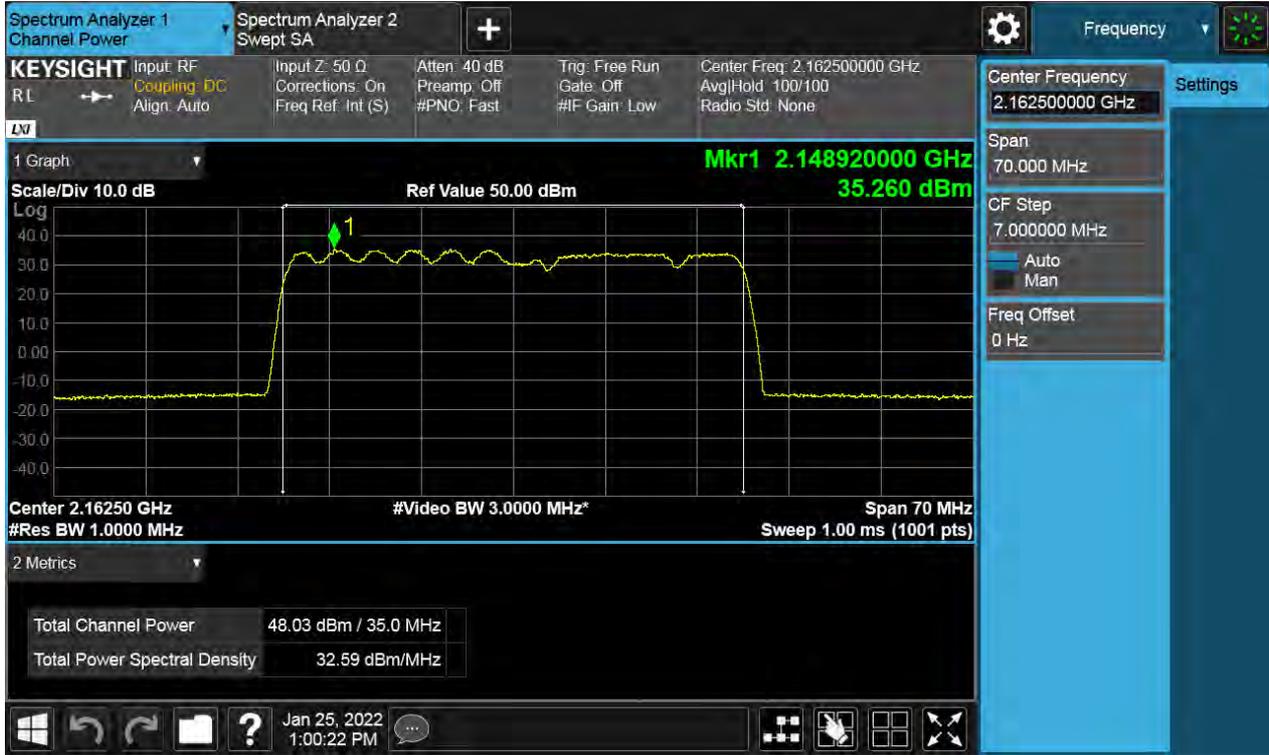
**Antenna 1 / (2 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [4 Carrier] (1C+3C) / Non-Contiguous / LTE B66 5 MHz + LTE B66 5 MHz + 5G NR n66 5 MHz / 256QAM / High**

**Antenna 1 / (2 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [4 Carrier] (3C+1C) / Non-Contiguous / LTE B66 5 MHz + LTE B66 5 MHz + LTE B66 5 MHz / 16QAM / Low**


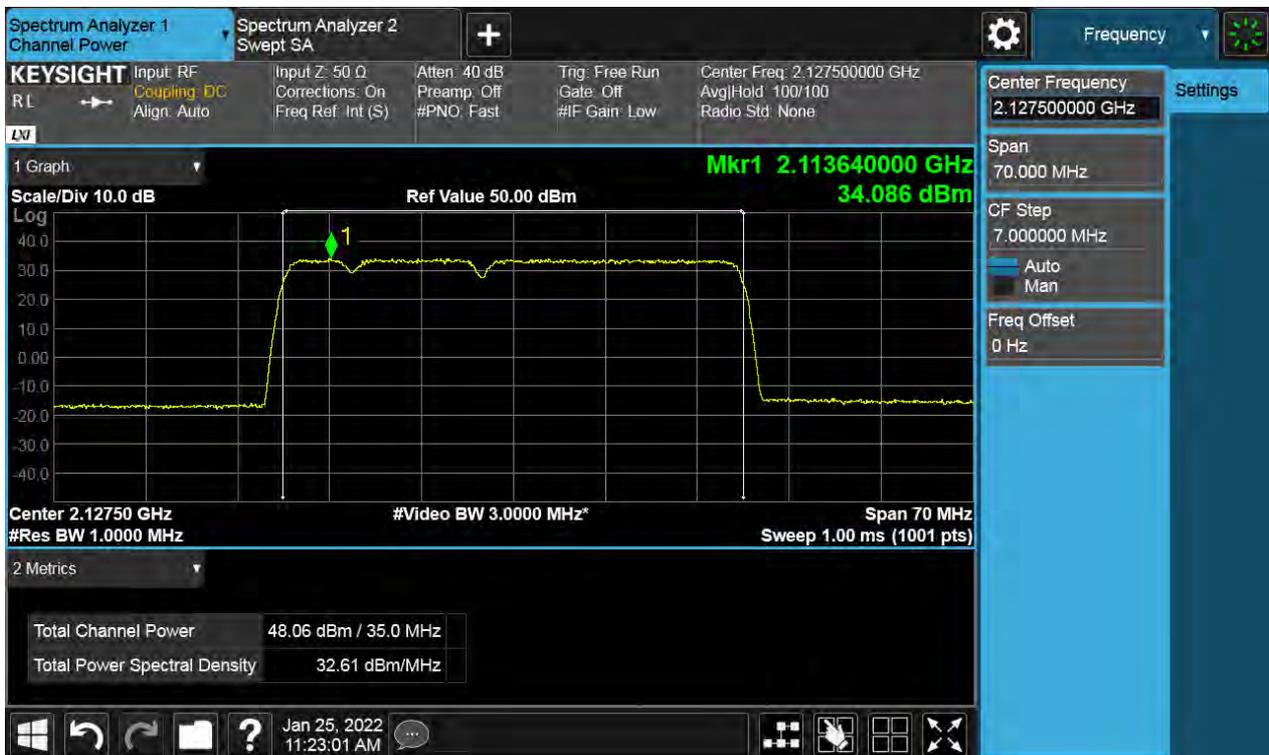
**Antenna 1 / (2 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [4 Carrier] (3C+1C) / Non-Contiguous / 5G NR n66 5 MHz / 16QAM / High**

**Antenna 1 / (2 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [4 Carrier] (1C+3C) / Non-Contiguous / LTE B66 5 MHz / 16QAM / Low**


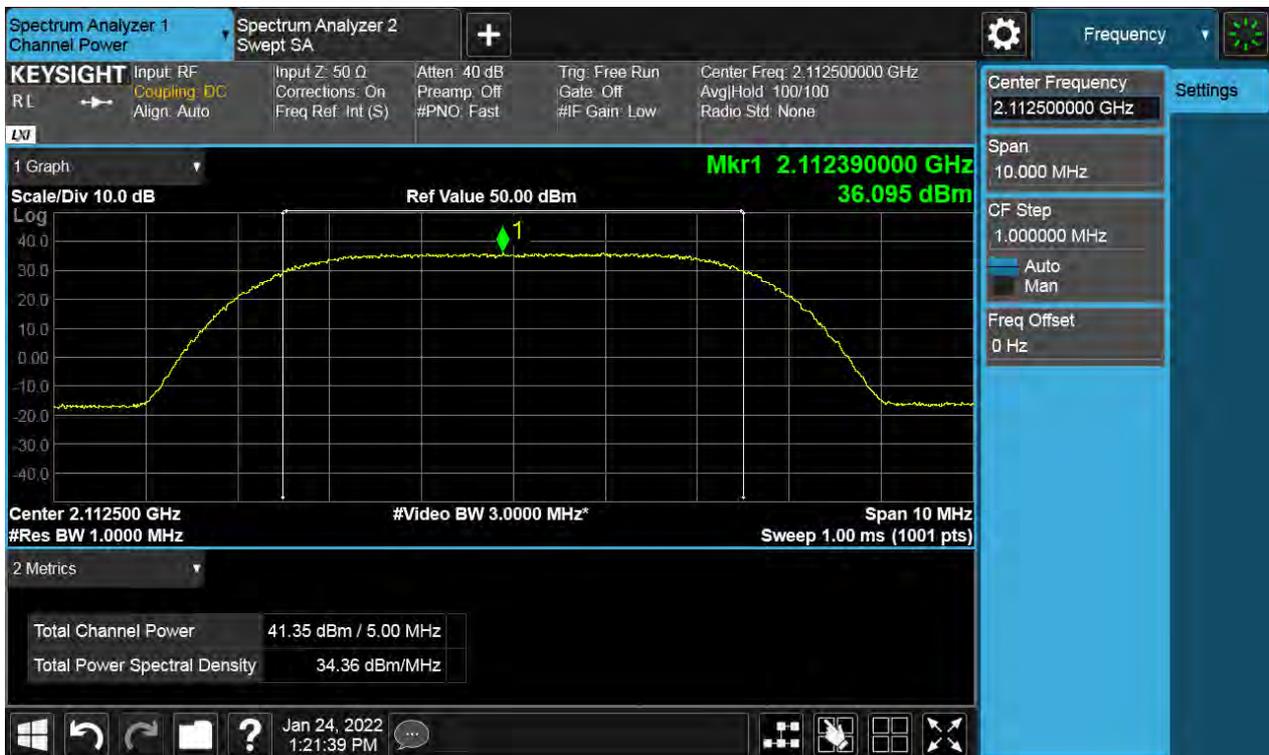
Antenna 1 / (2 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [4 Carrier] (1C+3C) / Non-Contiguous / LTE B66 5 MHz + LTE B66 10 MHz + 5G NR n66 20 MHz / 16QAM / High

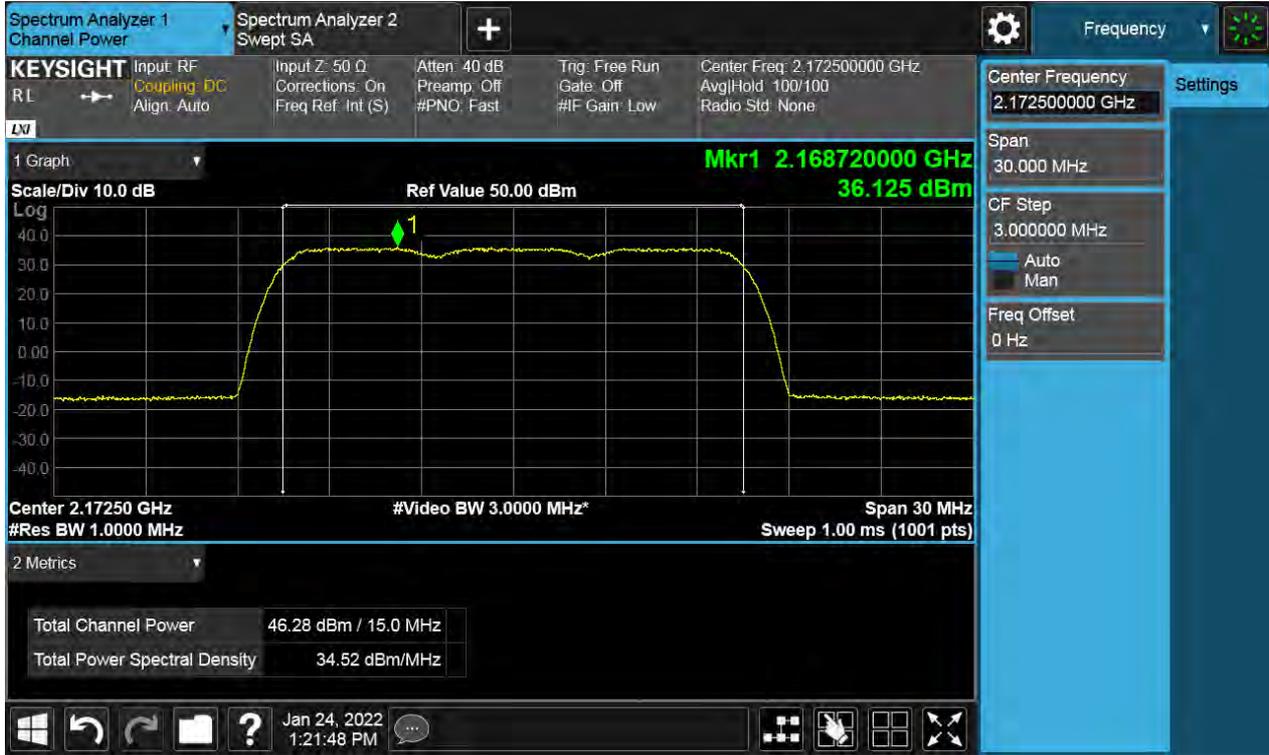
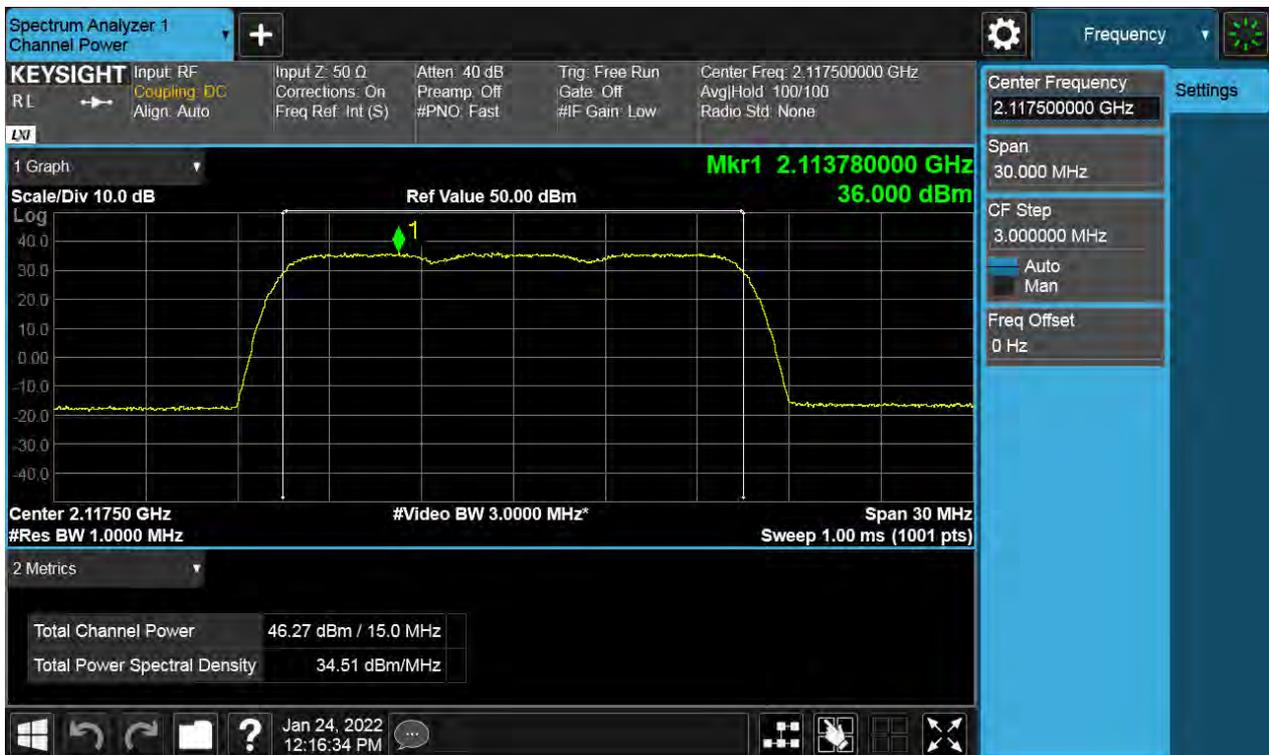


Antenna 1 / (2 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [4 Carrier] (3C+1C) / Non-Contiguous / LTE B66 5 MHz + LTE B66 5 MHz + LTE B66 10 MHz / QPSK / Low



**Antenna 1 / (2 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [4 Carrier] (3C+1C) / Non-Contiguous / 5G NR n66 20 MHz / QPSK / High**

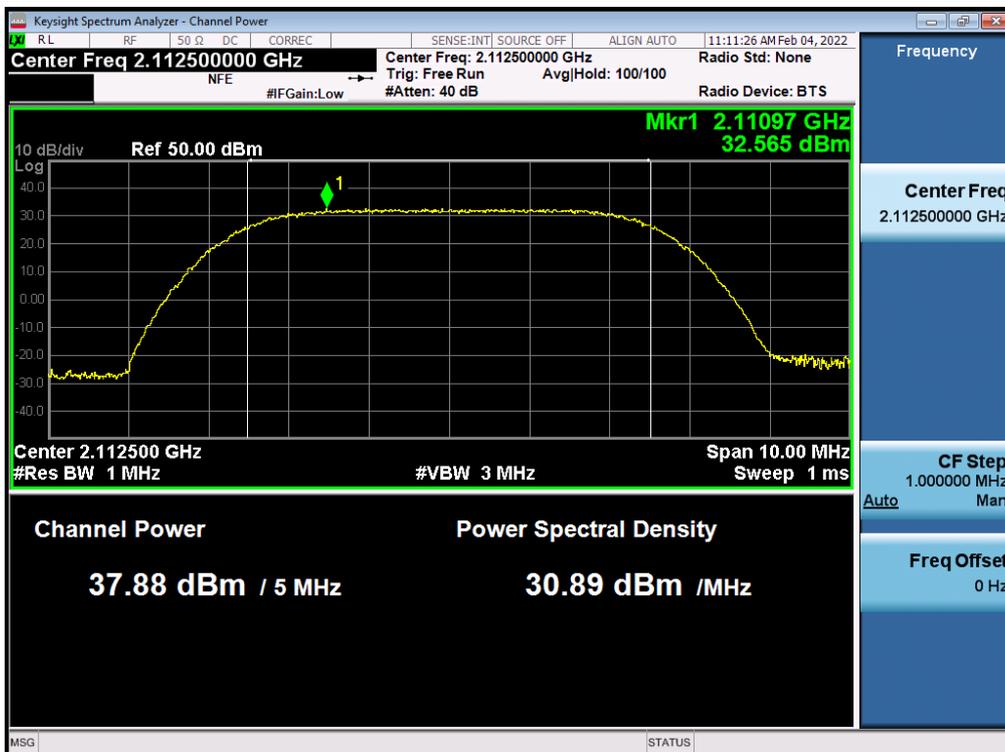
**Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [4 Carrier] (1C+3C) / Non-Contiguous / LTE B66 5 MHz / QPSK / Low**


**Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [4 Carrier] (1C+3C) / Non-Contiguous / LTE B66 5 MHz + LTE B66 5 MHz + 5G NR n66 5 MHz / QPSK / High**

**Antenna 0 / (4 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [4 Carrier] (3C+1C) / Non-Contiguous / LTE B66 5 MHz + LTE B66 5 MHz + LTE B66 5 MHz / QPSK / Low**


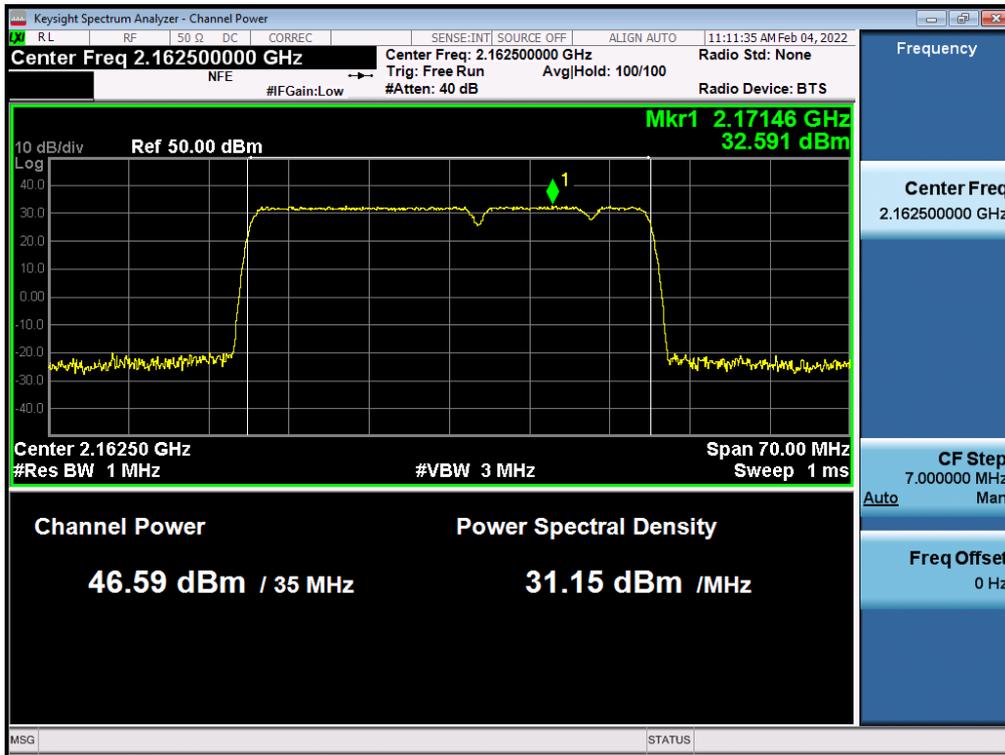
Antenna 0 / (4 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [4 Carrier] (3C+1C) / Non-Contiguous / 5G NR n66 5 MHz / QPSK / High



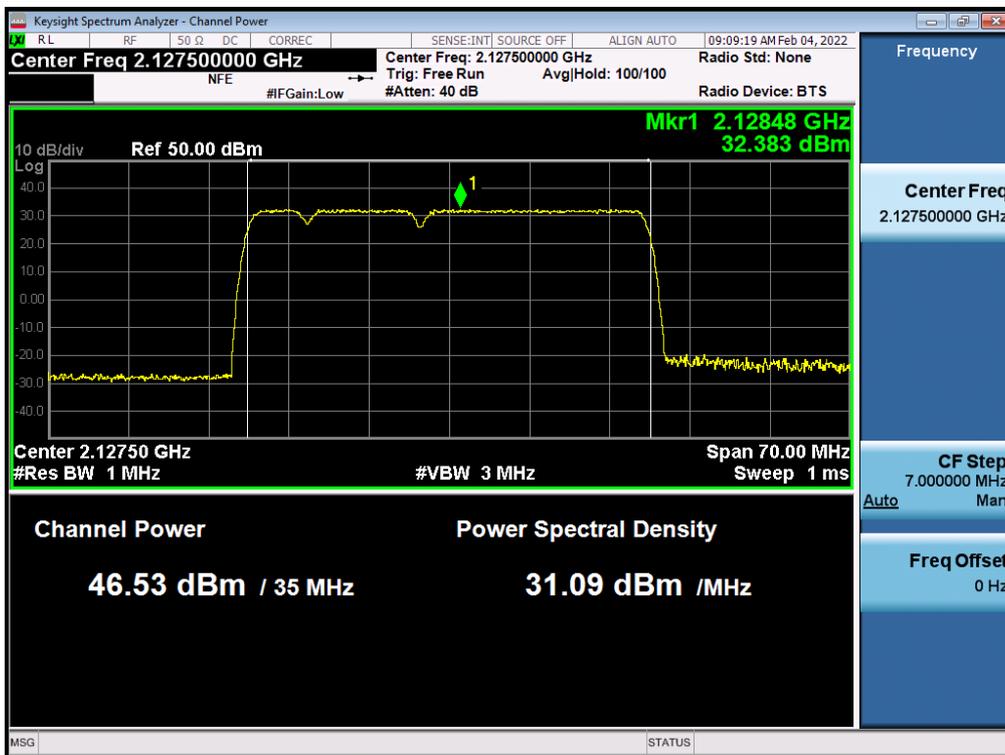
Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [4 Carrier] (1C+3C) / Non-Contiguous / LTE B66 5 MHz / 256QAM / Low



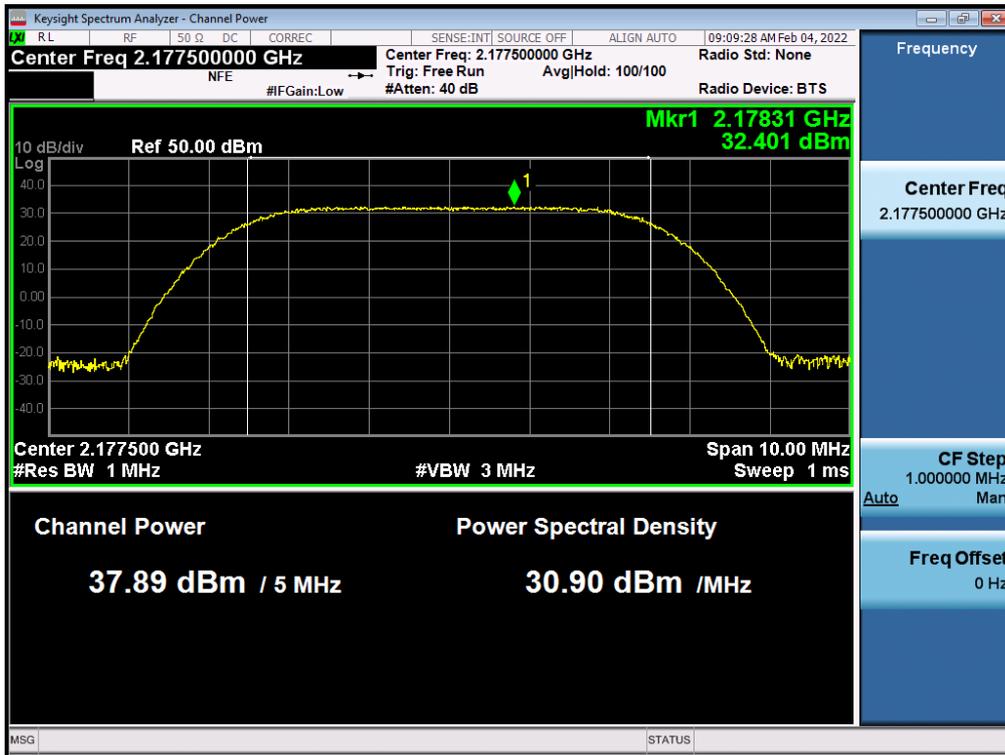
Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [4 Carrier] (1C+3C) / Non-Contiguous / LTE B66 5 MHz + LTE B66 10 MHz + 5G NR n66 20 MHz / 256QAM / High



Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [4 Carrier] (3C+1C) / Non-Contiguous / LTE B66 5 MHz + LTE B66 5 MHz + LTE B66 10 MHz / 64QAM / Low



Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [4 Carrier] (3C+1C) / Non-Contiguous / 5G NR n66 20 MHz / 64QAM / High



## 5.2. PAPR

### Test Requirements:

#### § 24.232 Power and antenna height limits.

- (d) Power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with paragraph (e) of this section. In both instances, equipment employed must be authorized in accordance with the provisions of § 24.51. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

#### § 27.50 Power limits and duty cycle.

- (d) (5) Equipment employed must be authorized in accordance with the provisions of § 24.51. Power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with paragraph (d)(6) of this section. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

### Test Procedures:

The measurement is performed in accordance with Section 5.2.3.4 of ANSI C63.26.

The following guidelines are offered for performing a CCDF measurement..

- a) Set resolution/measurement bandwidth  $\geq$  OBW or specified reference bandwidth.
- b) Set the number of counts to a value that stabilizes the measured CCDF curve.
- c) Set the measurement interval as follows:
  - 1) For continuous transmissions, set to the greater of  $[10 \times (\text{number of points in sweep}) \times (\text{transmission symbol period})]$  or 1 ms.
  - 2) For burst transmissions, employ an external trigger that is synchronized with the EUT burst timing sequence, or use the internal burst trigger with a trigger level that allows the burst to stabilize. Set the measurement interval to a time that is less than or equal to the burst duration.
  - 3) If there are several carriers in a single antenna port, the peak power shall be determined for each individual carrier (by disabling the other carriers while measuring the required carrier) and the total peak power calculated from the sum of the individual carrier peak powers.
- d) Record the maximum PAPR level associated with a probability of 0.1 %.
- e) The peak power level is calculated from the sum of the PAPR value from step d) to the measured average power.

**Note:** The results of PAPR test shown above the frequency measured values are very small and similar trend for each port, so we are attached only the worst case plot.

## Tabular data of PAPR

## (2 Port) B2 DSS 10 MHz 2to8 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1 935.00	7.98
		Middle	1 960.00	8.04
		High	1 985.00	8.00
	16QAM	Low	1 935.00	7.98
		Middle	1 960.00	8.00
		High	1 985.00	7.98
	64QAM	Low	1 935.00	7.99
		Middle	1 960.00	8.05
		High	1 985.00	8.00
	256QAM	Low	1 935.00	7.99
		Middle	1 960.00	8.06
		High	1 985.00	8.00
1	QPSK	Low	1 935.00	8.01
		Middle	1 960.00	7.99
		High	1 985.00	7.97
	16QAM	Low	1 935.00	7.95
		Middle	1 960.00	7.99
		High	1 985.00	7.99
	64QAM	Low	1 935.00	7.95
		Middle	1 960.00	7.93
		High	1 985.00	8.01
	256QAM	Low	1 935.00	7.98
		Middle	1 960.00	8.05
		High	1 985.00	8.00

## (2 Port) B2 DSS 10 MHz 5to5 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1 935.00	7.95
		Middle	1 960.00	8.00
		High	1 985.00	8.01
	16QAM	Low	1 935.00	7.97
		Middle	1 960.00	8.00
		High	1 985.00	7.93
	64QAM	Low	1 935.00	7.97
		Middle	1 960.00	8.01
		High	1 985.00	8.01
	256QAM	Low	1 935.00	7.98
		Middle	1 960.00	8.02
		High	1 985.00	8.00
1	QPSK	Low	1 935.00	7.97
		Middle	1 960.00	7.98
		High	1 985.00	7.98
	16QAM	Low	1 935.00	7.96
		Middle	1 960.00	8.03
		High	1 985.00	8.01
	64QAM	Low	1 935.00	7.99
		Middle	1 960.00	8.03
		High	1 985.00	8.01
	256QAM	Low	1 935.00	7.99
		Middle	1 960.00	8.01
		High	1 985.00	7.98

## (2 Port) B2 DSS 10 MHz 9to1 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1 935.00	7.96
		Middle	1 960.00	7.98
		High	1 985.00	7.94
	16QAM	Low	1 935.00	7.93
		Middle	1 960.00	7.98
		High	1 985.00	7.99
	64QAM	Low	1 935.00	7.92
		Middle	1 960.00	8.01
		High	1 985.00	7.97
	256QAM	Low	1 935.00	7.96
		Middle	1 960.00	7.97
		High	1 985.00	7.97
1	QPSK	Low	1 935.00	7.96
		Middle	1 960.00	8.00
		High	1 985.00	7.97
	16QAM	Low	1 935.00	7.95
		Middle	1 960.00	8.00
		High	1 985.00	7.98
	64QAM	Low	1 935.00	7.94
		Middle	1 960.00	7.98
		High	1 985.00	7.99
	256QAM	Low	1 935.00	7.94
		Middle	1 960.00	8.00
		High	1 985.00	7.94

## (2 Port) B2 DSS 15 MHz 2to8 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1 937.50	7.94
		Middle	1 960.00	8.04
		High	1 982.50	8.02
	16QAM	Low	1 937.50	8.02
		Middle	1 960.00	8.08
		High	1 982.50	8.03
	64QAM	Low	1 937.50	7.99
		Middle	1 960.00	8.03
		High	1 982.50	8.02
	256QAM	Low	1 937.50	7.98
		Middle	1 960.00	8.03
		High	1 982.50	8.01
1	QPSK	Low	1 937.50	7.96
		Middle	1 960.00	8.04
		High	1 982.50	8.04
	16QAM	Low	1 937.50	7.99
		Middle	1 960.00	8.08
		High	1 982.50	8.04
	64QAM	Low	1 937.50	7.99
		Middle	1 960.00	8.03
		High	1 982.50	8.03
	256QAM	Low	1 937.50	7.99
		Middle	1 960.00	8.02
		High	1 982.50	8.03

(2 Port) B2 DSS 15 MHz 5to5 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1 937.50	7.96
		Middle	1 960.00	8.02
		High	1 982.50	8.05
	16QAM	Low	1 937.50	8.00
		Middle	1 960.00	8.07
		High	1 982.50	8.03
	64QAM	Low	1 937.50	7.97
		Middle	1 960.00	8.03
		High	1 982.50	8.02
	256QAM	Low	1 937.50	7.98
		Middle	1 960.00	8.02
		High	1 982.50	8.03
1	QPSK	Low	1 937.50	7.97
		Middle	1 960.00	8.02
		High	1 982.50	8.03
	16QAM	Low	1 937.50	7.99
		Middle	1 960.00	8.05
		High	1 982.50	8.04
	64QAM	Low	1 937.50	7.97
		Middle	1 960.00	8.04
		High	1 982.50	8.03
	256QAM	Low	1 937.50	7.97
		Middle	1 960.00	8.04
		High	1 982.50	7.99

## (2 Port) B2 DSS 15 MHz 9to1 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1 937.50	7.97
		Middle	1 960.00	8.03
		High	1 982.50	8.04
	16QAM	Low	1 937.50	8.01
		Middle	1 960.00	8.00
		High	1 982.50	8.05
	64QAM	Low	1 937.50	7.96
		Middle	1 960.00	8.01
		High	1 982.50	8.00
	256QAM	Low	1 937.50	7.99
		Middle	1 960.00	8.05
		High	1 982.50	8.02
1	QPSK	Low	1 937.50	7.98
		Middle	1 960.00	8.04
		High	1 982.50	8.03
	16QAM	Low	1 937.50	7.99
		Middle	1 960.00	8.04
		High	1 982.50	8.02
	64QAM	Low	1 937.50	7.95
		Middle	1 960.00	8.04
		High	1 982.50	8.03
	256QAM	Low	1 937.50	7.96
		Middle	1 960.00	8.04
		High	1 982.50	8.03

## (2 Port) B2 DSS 20 MHz 2to8 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1 940.00	8.01
		Middle	1 960.00	8.02
		High	1 980.00	8.01
	16QAM	Low	1 940.00	8.01
		Middle	1 960.00	8.03
		High	1 980.00	8.04
	64QAM	Low	1 940.00	8.02
		Middle	1 960.00	8.01
		High	1 980.00	8.01
	256QAM	Low	1 940.00	8.00
		Middle	1 960.00	8.04
		High	1 980.00	8.04
1	QPSK	Low	1 940.00	8.01
		Middle	1 960.00	8.04
		High	1 980.00	8.03
	16QAM	Low	1 940.00	8.01
		Middle	1 960.00	8.04
		High	1 980.00	8.00
	64QAM	Low	1 940.00	8.02
		Middle	1 960.00	8.04
		High	1 980.00	8.03
	256QAM	Low	1 940.00	8.03
		Middle	1 960.00	8.02
		High	1 980.00	8.02

## (2 Port) B2 DSS 20 MHz 5to5 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1 940.00	8.03
		Middle	1 960.00	8.04
		High	1 980.00	8.03
	16QAM	Low	1 940.00	8.05
		Middle	1 960.00	8.03
		High	1 980.00	8.01
	64QAM	Low	1 940.00	8.02
		Middle	1 960.00	8.05
		High	1 980.00	8.05
	256QAM	Low	1 940.00	8.02
		Middle	1 960.00	8.07
		High	1 980.00	8.04
1	QPSK	Low	1 940.00	8.05
		Middle	1 960.00	8.04
		High	1 980.00	8.04
	16QAM	Low	1 940.00	8.02
		Middle	1 960.00	8.03
		High	1 980.00	8.03
	64QAM	Low	1 940.00	8.04
		Middle	1 960.00	8.05
		High	1 980.00	8.03
	256QAM	Low	1 940.00	8.04
		Middle	1 960.00	8.07
		High	1 980.00	8.02

## (2 Port) B2 DSS 20 MHz 9to1 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1 940.00	8.03
		Middle	1 960.00	8.08
		High	1 980.00	8.09
	16QAM	Low	1 940.00	8.01
		Middle	1 960.00	8.03
		High	1 980.00	8.03
	64QAM	Low	1 940.00	8.05
		Middle	1 960.00	8.06
		High	1 980.00	8.05
	256QAM	Low	1 940.00	8.02
		Middle	1 960.00	8.06
		High	1 980.00	8.07
1	QPSK	Low	1 940.00	8.05
		Middle	1 960.00	8.06
		High	1 980.00	8.09
	16QAM	Low	1 940.00	8.02
		Middle	1 960.00	8.05
		High	1 980.00	8.03
	64QAM	Low	1 940.00	8.01
		Middle	1 960.00	8.05
		High	1 980.00	8.06
	256QAM	Low	1 940.00	8.05
		Middle	1 960.00	8.04
		High	1 980.00	8.09

## (4 Port) B2 DSS 10 MHz 2to8 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1 935.00	8.43
		Middle	1 960.00	8.41
		High	1 985.00	8.44
	16QAM	Low	1 935.00	8.50
		Middle	1 960.00	8.50
		High	1 985.00	8.46
	64QAM	Low	1 935.00	8.43
		Middle	1 960.00	8.42
		High	1 985.00	8.44
	256QAM	Low	1 935.00	8.45
		Middle	1 960.00	8.38
		High	1 985.00	8.45
1	QPSK	Low	1 935.00	8.47
		Middle	1 960.00	8.40
		High	1 985.00	8.46
	16QAM	Low	1 935.00	8.47
		Middle	1 960.00	8.46
		High	1 985.00	8.45
	64QAM	Low	1 935.00	8.45
		Middle	1 960.00	8.44
		High	1 985.00	8.43
	256QAM	Low	1 935.00	8.46
		Middle	1 960.00	8.45
		High	1 985.00	8.50

2	QPSK	Low	1 935.00	8.09
		Middle	1 960.00	8.10
		High	1 985.00	8.06
	16QAM	Low	1 935.00	8.08
		Middle	1 960.00	8.15
		High	1 985.00	8.13
	64QAM	Low	1 935.00	8.07
		Middle	1 960.00	8.11
		High	1 985.00	8.09
	256QAM	Low	1 935.00	8.08
		Middle	1 960.00	8.09
		High	1 985.00	8.07
3	QPSK	Low	1 935.00	8.06
		Middle	1 960.00	8.09
		High	1 985.00	8.06
	16QAM	Low	1 935.00	8.09
		Middle	1 960.00	8.12
		High	1 985.00	8.10
	64QAM	Low	1 935.00	8.09
		Middle	1 960.00	8.09
		High	1 985.00	8.11
	256QAM	Low	1 935.00	8.08
		Middle	1 960.00	8.10
		High	1 985.00	8.06

## (4 Port) B2 DSS 10 MHz 5to5 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1 935.00	8.40
		Middle	1 960.00	8.44
		High	1 985.00	8.43
	16QAM	Low	1 935.00	8.45
		Middle	1 960.00	8.45
		High	1 985.00	8.43
	64QAM	Low	1 935.00	8.39
		Middle	1 960.00	8.41
		High	1 985.00	8.47
	256QAM	Low	1 935.00	8.44
		Middle	1 960.00	8.44
		High	1 985.00	8.44
1	QPSK	Low	1 935.00	8.38
		Middle	1 960.00	8.45
		High	1 985.00	8.45
	16QAM	Low	1 935.00	8.44
		Middle	1 960.00	8.45
		High	1 985.00	8.43
	64QAM	Low	1 935.00	8.39
		Middle	1 960.00	8.44
		High	1 985.00	8.46
	256QAM	Low	1 935.00	8.43
		Middle	1 960.00	8.39
		High	1 985.00	8.48

2	QPSK	Low	1 935.00	8.01
		Middle	1 960.00	8.04
		High	1 985.00	8.06
	16QAM	Low	1 935.00	8.02
		Middle	1 960.00	8.08
		High	1 985.00	8.06
	64QAM	Low	1 935.00	8.04
		Middle	1 960.00	8.08
		High	1 985.00	8.07
	256QAM	Low	1 935.00	8.01
		Middle	1 960.00	8.06
		High	1 985.00	8.08
3	QPSK	Low	1 935.00	8.06
		Middle	1 960.00	8.06
		High	1 985.00	8.10
	16QAM	Low	1 935.00	8.07
		Middle	1 960.00	8.10
		High	1 985.00	8.09
	64QAM	Low	1 935.00	7.99
		Middle	1 960.00	8.07
		High	1 985.00	8.06
	256QAM	Low	1 935.00	8.00
		Middle	1 960.00	8.05
		High	1 985.00	8.09

## (4 Port) B2 DSS 10 MHz 9to1 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1 935.00	8.40
		Middle	1 960.00	8.39
		High	1 985.00	8.41
	16QAM	Low	1 935.00	8.35
		Middle	1 960.00	8.33
		High	1 985.00	8.30
	64QAM	Low	1 935.00	8.37
		Middle	1 960.00	8.33
		High	1 985.00	8.42
256QAM	Low	1 935.00	8.46	
	Middle	1 960.00	8.34	
	High	1 985.00	8.39	
1	QPSK	Low	1 935.00	8.42
		Middle	1 960.00	8.40
		High	1 985.00	8.41
	16QAM	Low	1 935.00	8.29
		Middle	1 960.00	8.36
		High	1 985.00	8.35
	64QAM	Low	1 935.00	8.41
		Middle	1 960.00	8.36
		High	1 985.00	8.42
256QAM	Low	1 935.00	8.45	
	Middle	1 960.00	8.33	
	High	1 985.00	8.40	

2	QPSK	Low	1 935.00	7.97
		Middle	1 960.00	7.98
		High	1 985.00	7.99
	16QAM	Low	1 935.00	7.94
		Middle	1 960.00	8.06
		High	1 985.00	8.00
	64QAM	Low	1 935.00	7.97
		Middle	1 960.00	8.05
		High	1 985.00	7.98
	256QAM	Low	1 935.00	8.02
		Middle	1 960.00	8.00
		High	1 985.00	7.97
3	QPSK	Low	1 935.00	8.00
		Middle	1 960.00	8.02
		High	1 985.00	7.98
	16QAM	Low	1 935.00	7.96
		Middle	1 960.00	8.02
		High	1 985.00	8.01
	64QAM	Low	1 935.00	7.99
		Middle	1 960.00	8.05
		High	1 985.00	7.98
	256QAM	Low	1 935.00	8.04
		Middle	1 960.00	8.06
		High	1 985.00	7.97

## (4 Port) B2 DSS 20 MHz 2to8 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1 940.00	8.50
		Middle	1 960.00	8.57
		High	1 980.00	8.54
	16QAM	Low	1 940.00	8.47
		Middle	1 960.00	8.42
		High	1 980.00	8.51
	64QAM	Low	1 940.00	8.58
		Middle	1 960.00	8.54
		High	1 980.00	8.59
	256QAM	Low	1 940.00	8.51
		Middle	1 960.00	8.56
		High	1 980.00	8.60
1	QPSK	Low	1 940.00	8.52
		Middle	1 960.00	8.56
		High	1 980.00	8.59
	16QAM	Low	1 940.00	8.54
		Middle	1 960.00	8.50
		High	1 980.00	8.47
	64QAM	Low	1 940.00	8.53
		Middle	1 960.00	8.59
		High	1 980.00	8.55
	256QAM	Low	1 940.00	8.57
		Middle	1 960.00	8.57
		High	1 980.00	8.57

2	QPSK	Low	1 940.00	8.13
		Middle	1 960.00	8.18
		High	1 980.00	8.17
	16QAM	Low	1 940.00	8.15
		Middle	1 960.00	8.16
		High	1 980.00	8.16
	64QAM	Low	1 940.00	8.12
		Middle	1 960.00	8.17
		High	1 980.00	8.15
256QAM	Low	1 940.00	8.12	
	Middle	1 960.00	8.16	
	High	1 980.00	8.18	
3	QPSK	Low	1 940.00	8.13
		Middle	1 960.00	8.18
		High	1 980.00	8.17
	16QAM	Low	1 940.00	8.13
		Middle	1 960.00	8.17
		High	1 980.00	8.15
	64QAM	Low	1 940.00	8.13
		Middle	1 960.00	8.18
		High	1 980.00	8.17
256QAM	Low	1 940.00	8.13	
	Middle	1 960.00	8.19	
	High	1 980.00	8.17	

## (4 Port) B2 DSS 20 MHz 5to5 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1 940.00	8.52
		Middle	1 960.00	8.55
		High	1 980.00	8.54
	16QAM	Low	1 940.00	8.49
		Middle	1 960.00	8.46
		High	1 980.00	8.47
	64QAM	Low	1 940.00	8.54
		Middle	1 960.00	8.56
		High	1 980.00	8.52
	256QAM	Low	1 940.00	8.56
		Middle	1 960.00	8.58
		High	1 980.00	8.55
1	QPSK	Low	1 940.00	8.57
		Middle	1 960.00	8.56
		High	1 980.00	8.54
	16QAM	Low	1 940.00	8.50
		Middle	1 960.00	8.46
		High	1 980.00	8.46
	64QAM	Low	1 940.00	8.57
		Middle	1 960.00	8.53
		High	1 980.00	8.52
	256QAM	Low	1 940.00	8.55
		Middle	1 960.00	8.53
		High	1 980.00	8.59

2	QPSK	Low	1 940.00	8.10
		Middle	1 960.00	8.19
		High	1 980.00	8.14
	16QAM	Low	1 940.00	8.10
		Middle	1 960.00	8.14
		High	1 980.00	8.12
	64QAM	Low	1 940.00	8.11
		Middle	1 960.00	8.16
		High	1 980.00	8.15
256QAM	Low	1 940.00	8.10	
	Middle	1 960.00	8.18	
	High	1 980.00	8.15	
3	QPSK	Low	1 940.00	8.12
		Middle	1 960.00	8.19
		High	1 980.00	8.14
	16QAM	Low	1 940.00	8.11
		Middle	1 960.00	8.14
		High	1 980.00	8.11
	64QAM	Low	1 940.00	8.11
		Middle	1 960.00	8.20
		High	1 980.00	8.14
256QAM	Low	1 940.00	8.11	
	Middle	1 960.00	8.15	
	High	1 980.00	8.14	

## (4 Port) B2 DSS 20 MHz 9to1 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1 940.00	8.48
		Middle	1 960.00	8.45
		High	1 980.00	8.37
	16QAM	Low	1 940.00	8.41
		Middle	1 960.00	8.39
		High	1 980.00	8.43
	64QAM	Low	1 940.00	8.44
		Middle	1 960.00	8.43
		High	1 980.00	8.48
	256QAM	Low	1 940.00	8.44
		Middle	1 960.00	8.41
		High	1 980.00	8.45
1	QPSK	Low	1 940.00	8.48
		Middle	1 960.00	8.45
		High	1 980.00	8.47
	16QAM	Low	1 940.00	8.41
		Middle	1 960.00	8.40
		High	1 980.00	8.43
	64QAM	Low	1 940.00	8.45
		Middle	1 960.00	8.47
		High	1 980.00	8.49
	256QAM	Low	1 940.00	8.48
		Middle	1 960.00	8.44
		High	1 980.00	8.43

2	QPSK	Low	1 940.00	8.07
		Middle	1 960.00	8.10
		High	1 980.00	8.09
	16QAM	Low	1 940.00	8.03
		Middle	1 960.00	8.08
		High	1 980.00	8.05
	64QAM	Low	1 940.00	8.07
		Middle	1 960.00	8.09
		High	1 980.00	8.08
256QAM	Low	1 940.00	8.07	
	Middle	1 960.00	8.10	
	High	1 980.00	8.11	
3	QPSK	Low	1 940.00	8.06
		Middle	1 960.00	8.12
		High	1 980.00	8.09
	16QAM	Low	1 940.00	8.03
		Middle	1 960.00	8.07
		High	1 980.00	8.07
	64QAM	Low	1 940.00	8.06
		Middle	1 960.00	8.13
		High	1 980.00	8.10
256QAM	Low	1 940.00	8.07	
	Middle	1 960.00	8.10	
	High	1 980.00	8.09	

## (2 Port) 5G NR n2 5 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1 932.50	8.10
		Middle	1 960.00	7.90
		High	1 987.50	7.83
	16QAM	Low	1 932.50	7.92
		Middle	1 960.00	7.90
		High	1 987.50	7.86
	64QAM	Low	1 932.50	7.82
		Middle	1 960.00	7.85
		High	1 987.50	7.81
	256QAM	Low	1 932.50	7.90
		Middle	1 960.00	7.92
		High	1 987.50	7.90
1	QPSK	Low	1 932.50	7.86
		Middle	1 960.00	7.84
		High	1 987.50	7.84
	16QAM	Low	1 932.50	7.90
		Middle	1 960.00	7.91
		High	1 987.50	7.89
	64QAM	Low	1 932.50	7.83
		Middle	1 960.00	7.86
		High	1 987.50	7.84
	256QAM	Low	1 932.50	7.90
		Middle	1 960.00	7.91
		High	1 987.50	7.89

## (2 Port) 5G NR n2 10 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1 935.00	7.87
		Middle	1 960.00	7.89
		High	1 985.00	7.88
	16QAM	Low	1 935.00	7.82
		Middle	1 960.00	7.91
		High	1 985.00	7.89
	64QAM	Low	1 935.00	7.83
		Middle	1 960.00	7.90
		High	1 985.00	7.86
	256QAM	Low	1 935.00	7.83
		Middle	1 960.00	7.87
		High	1 985.00	7.87
1	QPSK	Low	1 935.00	7.87
		Middle	1 960.00	7.89
		High	1 985.00	7.89
	16QAM	Low	1 935.00	7.85
		Middle	1 960.00	7.93
		High	1 985.00	7.88
	64QAM	Low	1 935.00	7.85
		Middle	1 960.00	7.86
		High	1 985.00	7.87
	256QAM	Low	1 935.00	7.86
		Middle	1 960.00	7.91
		High	1 985.00	7.87

## (2 Port) 5G NR n2 15 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1 937.50	7.87
		Middle	1 960.00	7.93
		High	1 982.50	7.91
	16QAM	Low	1 937.50	7.83
		Middle	1 960.00	7.89
		High	1 982.50	7.85
	64QAM	Low	1 937.50	7.88
		Middle	1 960.00	7.92
		High	1 982.50	7.90
	256QAM	Low	1 937.50	7.89
		Middle	1 960.00	7.92
		High	1 982.50	7.87
1	QPSK	Low	1 937.50	7.87
		Middle	1 960.00	7.93
		High	1 982.50	7.91
	16QAM	Low	1 937.50	7.89
		Middle	1 960.00	7.92
		High	1 982.50	7.89
	64QAM	Low	1 937.50	7.91
		Middle	1 960.00	7.90
		High	1 982.50	7.91
	256QAM	Low	1 937.50	7.89
		Middle	1 960.00	7.91
		High	1 982.50	7.90

## (2 Port) 5G NR n2 20 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1 940.00	7.94
		Middle	1 960.00	7.93
		High	1 980.00	7.90
	16QAM	Low	1 940.00	7.88
		Middle	1 960.00	7.91
		High	1 980.00	7.91
	64QAM	Low	1 940.00	7.90
		Middle	1 960.00	7.91
		High	1 980.00	7.88
	256QAM	Low	1 940.00	7.91
		Middle	1 960.00	7.92
		High	1 980.00	7.88
1	QPSK	Low	1 940.00	7.95
		Middle	1 960.00	7.91
		High	1 980.00	7.90
	16QAM	Low	1 940.00	7.88
		Middle	1 960.00	7.92
		High	1 980.00	7.90
	64QAM	Low	1 940.00	7.89
		Middle	1 960.00	7.90
		High	1 980.00	7.90
	256QAM	Low	1 940.00	7.91
		Middle	1 960.00	7.92
		High	1 980.00	7.92

## (4 Port) 5G NR n2 5 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1 932.50	7.87
		Middle	1 960.00	7.87
		High	1 987.50	7.86
	16QAM	Low	1 932.50	7.90
		Middle	1 960.00	7.90
		High	1 987.50	7.89
	64QAM	Low	1 932.50	7.85
		Middle	1 960.00	7.87
		High	1 987.50	7.84
	256QAM	Low	1 932.50	7.91
		Middle	1 960.00	7.92
		High	1 987.50	7.94
1	QPSK	Low	1 932.50	7.88
		Middle	1 960.00	7.88
		High	1 987.50	7.86
	16QAM	Low	1 932.50	7.90
		Middle	1 960.00	7.89
		High	1 987.50	7.89
	64QAM	Low	1 932.50	7.85
		Middle	1 960.00	7.85
		High	1 987.50	7.84
	256QAM	Low	1 932.50	7.90
		Middle	1 960.00	7.91
		High	1 987.50	7.94

2	QPSK	Low	1 932.50	7.91
		Middle	1 960.00	7.90
		High	1 987.50	7.90
	16QAM	Low	1 932.50	7.92
		Middle	1 960.00	7.94
		High	1 987.50	7.93
	64QAM	Low	1 932.50	7.89
		Middle	1 960.00	7.88
		High	1 987.50	7.85
256QAM	Low	1 932.50	7.92	
	Middle	1 960.00	7.95	
	High	1 987.50	7.91	
3	QPSK	Low	1 932.50	7.91
		Middle	1 960.00	7.90
		High	1 987.50	7.88
	16QAM	Low	1 932.50	7.91
		Middle	1 960.00	7.93
		High	1 987.50	7.91
	64QAM	Low	1 932.50	7.87
		Middle	1 960.00	7.88
		High	1 987.50	7.87
256QAM	Low	1 932.50	7.94	
	Middle	1 960.00	7.93	
	High	1 987.50	7.93	

## (4 Port) 5G NR n2 10 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1 935.00	7.85
		Middle	1 960.00	7.88
		High	1 985.00	7.87
	16QAM	Low	1 935.00	7.86
		Middle	1 960.00	7.90
		High	1 985.00	7.88
	64QAM	Low	1 935.00	7.83
		Middle	1 960.00	7.89
		High	1 985.00	7.86
	256QAM	Low	1 935.00	7.87
		Middle	1 960.00	7.88
		High	1 985.00	7.86
1	QPSK	Low	1 935.00	7.86
		Middle	1 960.00	7.89
		High	1 985.00	7.87
	16QAM	Low	1 935.00	7.86
		Middle	1 960.00	7.89
		High	1 985.00	7.87
	64QAM	Low	1 935.00	7.86
		Middle	1 960.00	7.87
		High	1 985.00	7.86
	256QAM	Low	1 935.00	7.87
		Middle	1 960.00	7.89
		High	1 985.00	7.87

2	QPSK	Low	1 935.00	7.88
		Middle	1 960.00	7.92
		High	1 985.00	7.90
	16QAM	Low	1 935.00	7.88
		Middle	1 960.00	7.91
		High	1 985.00	7.91
	64QAM	Low	1 935.00	7.89
		Middle	1 960.00	7.91
		High	1 985.00	7.88
	256QAM	Low	1 935.00	7.86
		Middle	1 960.00	7.91
		High	1 985.00	7.88
3	QPSK	Low	1 935.00	7.88
		Middle	1 960.00	7.92
		High	1 985.00	7.89
	16QAM	Low	1 935.00	7.88
		Middle	1 960.00	7.92
		High	1 985.00	7.92
	64QAM	Low	1 935.00	7.88
		Middle	1 960.00	7.91
		High	1 985.00	7.90
	256QAM	Low	1 935.00	7.89
		Middle	1 960.00	7.90
		High	1 985.00	7.89

## (4 Port) 5G NR n2 15 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1 937.50	7.88
		Middle	1 960.00	7.91
		High	1 982.50	7.90
	16QAM	Low	1 937.50	7.88
		Middle	1 960.00	7.90
		High	1 982.50	7.87
	64QAM	Low	1 937.50	7.89
		Middle	1 960.00	7.92
		High	1 982.50	7.90
	256QAM	Low	1 937.50	7.88
		Middle	1 960.00	7.91
		High	1 982.50	7.89
1	QPSK	Low	1 937.50	7.85
		Middle	1 960.00	7.90
		High	1 982.50	7.90
	16QAM	Low	1 937.50	7.86
		Middle	1 960.00	7.91
		High	1 982.50	7.87
	64QAM	Low	1 937.50	7.90
		Middle	1 960.00	7.90
		High	1 982.50	7.91
	256QAM	Low	1 937.50	7.89
		Middle	1 960.00	7.91
		High	1 982.50	7.90

2	QPSK	Low	1 937.50	7.89
		Middle	1 960.00	7.94
		High	1 982.50	7.93
	16QAM	Low	1 937.50	7.88
		Middle	1 960.00	7.92
		High	1 982.50	7.89
	64QAM	Low	1 937.50	7.91
		Middle	1 960.00	7.95
		High	1 982.50	7.93
	256QAM	Low	1 937.50	7.90
		Middle	1 960.00	7.93
		High	1 982.50	7.93
3	QPSK	Low	1 937.50	7.90
		Middle	1 960.00	7.94
		High	1 982.50	7.92
	16QAM	Low	1 937.50	7.88
		Middle	1 960.00	7.92
		High	1 982.50	7.91
	64QAM	Low	1 937.50	7.91
		Middle	1 960.00	7.93
		High	1 982.50	7.92
	256QAM	Low	1 937.50	7.91
		Middle	1 960.00	7.94
		High	1 982.50	7.91

## (4 Port) 5G NR n2 20 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1 940.00	7.94
		Middle	1 960.00	7.91
		High	1 980.00	7.89
	16QAM	Low	1 940.00	7.88
		Middle	1 960.00	7.91
		High	1 980.00	7.90
	64QAM	Low	1 940.00	7.89
		Middle	1 960.00	7.90
		High	1 980.00	7.88
	256QAM	Low	1 940.00	7.91
		Middle	1 960.00	7.91
		High	1 980.00	7.90
1	QPSK	Low	1 940.00	7.93
		Middle	1 960.00	7.90
		High	1 980.00	7.89
	16QAM	Low	1 940.00	7.87
		Middle	1 960.00	7.89
		High	1 980.00	7.91
	64QAM	Low	1 940.00	7.90
		Middle	1 960.00	7.90
		High	1 980.00	7.87
	256QAM	Low	1 940.00	7.92
		Middle	1 960.00	7.92
		High	1 980.00	7.90

2	QPSK	Low	1 940.00	7.96
		Middle	1 960.00	7.95
		High	1 980.00	7.94
	16QAM	Low	1 940.00	7.88
		Middle	1 960.00	7.95
		High	1 980.00	7.91
	64QAM	Low	1 940.00	7.89
		Middle	1 960.00	7.91
		High	1 980.00	7.91
	256QAM	Low	1 940.00	7.93
		Middle	1 960.00	7.94
		High	1 980.00	7.93
3	QPSK	Low	1 940.00	7.96
		Middle	1 960.00	7.95
		High	1 980.00	7.94
	16QAM	Low	1 940.00	7.90
		Middle	1 960.00	7.93
		High	1 980.00	7.91
	64QAM	Low	1 940.00	7.89
		Middle	1 960.00	7.93
		High	1 980.00	7.89
	256QAM	Low	1 940.00	7.91
		Middle	1 960.00	7.95
		High	1 980.00	7.92

## (2 Port) B66 DSS 10 MHz 2to8 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 115.00	8.00
		Middle	2 145.00	8.05
		High	2 175.00	7.99
	16QAM	Low	2 115.00	8.04
		Middle	2 145.00	8.06
		High	2 175.00	8.01
	64QAM	Low	2 115.00	7.99
		Middle	2 145.00	8.03
		High	2 175.00	8.00
	256QAM	Low	2 115.00	8.03
		Middle	2 145.00	8.08
		High	2 175.00	8.00
1	QPSK	Low	2 115.00	7.99
		Middle	2 145.00	8.05
		High	2 175.00	8.03
	16QAM	Low	2 115.00	8.04
		Middle	2 145.00	8.06
		High	2 175.00	8.01
	64QAM	Low	2 115.00	8.04
		Middle	2 145.00	8.05
		High	2 175.00	8.00
	256QAM	Low	2 115.00	8.03
		Middle	2 145.00	8.07
		High	2 175.00	8.02

## (2 Port) B66 DSS 10 MHz 5to5 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 115.00	8.00
		Middle	2 145.00	8.05
		High	2 175.00	8.02
	16QAM	Low	2 115.00	7.99
		Middle	2 145.00	8.06
		High	2 175.00	8.04
	64QAM	Low	2 115.00	8.01
		Middle	2 145.00	8.01
		High	2 175.00	8.02
	256QAM	Low	2 115.00	8.01
		Middle	2 145.00	8.06
		High	2 175.00	8.03
1	QPSK	Low	2 115.00	8.00
		Middle	2 145.00	8.02
		High	2 175.00	8.04
	16QAM	Low	2 115.00	8.03
		Middle	2 145.00	8.05
		High	2 175.00	8.02
	64QAM	Low	2 115.00	8.02
		Middle	2 145.00	8.05
		High	2 175.00	8.02
	256QAM	Low	2 115.00	8.03
		Middle	2 145.00	8.06
		High	2 175.00	8.00

## (2 Port) B66 DSS 10 MHz 9to1 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 115.00	7.99
		Middle	2 145.00	8.00
		High	2 175.00	7.99
	16QAM	Low	2 115.00	7.99
		Middle	2 145.00	8.00
		High	2 175.00	8.02
	64QAM	Low	2 115.00	8.02
		Middle	2 145.00	8.06
		High	2 175.00	8.01
	256QAM	Low	2 115.00	8.03
		Middle	2 145.00	8.06
		High	2 175.00	8.03
1	QPSK	Low	2 115.00	8.01
		Middle	2 145.00	8.03
		High	2 175.00	8.00
	16QAM	Low	2 115.00	7.99
		Middle	2 145.00	8.01
		High	2 175.00	8.00
	64QAM	Low	2 115.00	8.02
		Middle	2 145.00	8.05
		High	2 175.00	8.03
	256QAM	Low	2 115.00	8.03
		Middle	2 145.00	8.06
		High	2 175.00	8.04

## (2 Port) B66 DSS 15 MHz 2to8 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 117.50	8.02
		Middle	2 145.00	8.07
		High	2 172.50	8.05
	16QAM	Low	2 117.50	8.04
		Middle	2 145.00	8.05
		High	2 172.50	8.07
	64QAM	Low	2 117.50	8.08
		Middle	2 145.00	8.09
		High	2 172.50	8.07
	256QAM	Low	2 117.50	8.06
		Middle	2 145.00	8.09
		High	2 172.50	8.07
1	QPSK	Low	2 117.50	8.00
		Middle	2 145.00	8.08
		High	2 172.50	8.05
	16QAM	Low	2 117.50	8.02
		Middle	2 145.00	8.08
		High	2 172.50	8.06
	64QAM	Low	2 117.50	8.09
		Middle	2 145.00	8.08
		High	2 172.50	8.05
	256QAM	Low	2 117.50	8.06
		Middle	2 145.00	8.06
		High	2 172.50	8.04

## (2 Port) B66 DSS 15 MHz 5to5 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 117.50	8.02
		Middle	2 145.00	8.06
		High	2 172.50	8.06
	16QAM	Low	2 117.50	8.02
		Middle	2 145.00	8.06
		High	2 172.50	8.07
	64QAM	Low	2 117.50	8.06
		Middle	2 145.00	8.07
		High	2 172.50	8.04
	256QAM	Low	2 117.50	8.07
		Middle	2 145.00	8.10
		High	2 172.50	8.06
1	QPSK	Low	2 117.50	8.00
		Middle	2 145.00	8.05
		High	2 172.50	8.07
	16QAM	Low	2 117.50	8.04
		Middle	2 145.00	8.07
		High	2 172.50	8.05
	64QAM	Low	2 117.50	8.02
		Middle	2 145.00	8.05
		High	2 172.50	8.02
	256QAM	Low	2 117.50	8.04
		Middle	2 145.00	8.09
		High	2 172.50	8.08

## (2 Port) B66 DSS 15 MHz 9to1 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 117.50	7.99
		Middle	2 145.00	8.04
		High	2 172.50	8.06
	16QAM	Low	2 117.50	8.02
		Middle	2 145.00	8.05
		High	2 172.50	8.03
	64QAM	Low	2 117.50	8.05
		Middle	2 145.00	8.05
		High	2 172.50	8.05
	256QAM	Low	2 117.50	8.04
		Middle	2 145.00	8.09
		High	2 172.50	8.08
1	QPSK	Low	2 117.50	8.01
		Middle	2 145.00	8.08
		High	2 172.50	8.03
	16QAM	Low	2 117.50	8.03
		Middle	2 145.00	8.07
		High	2 172.50	8.05
	64QAM	Low	2 117.50	8.01
		Middle	2 145.00	8.06
		High	2 172.50	8.05
	256QAM	Low	2 117.50	8.05
		Middle	2 145.00	8.08
		High	2 172.50	8.04

## (2 Port) B66 DSS 20 MHz 2to8 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 120.00	8.04
		Middle	2 145.00	8.05
		High	2 170.00	8.06
	16QAM	Low	2 120.00	8.04
		Middle	2 145.00	8.05
		High	2 170.00	8.05
	64QAM	Low	2 120.00	8.03
		Middle	2 145.00	8.04
		High	2 170.00	8.04
	256QAM	Low	2 120.00	8.03
		Middle	2 145.00	8.08
		High	2 170.00	8.09
1	QPSK	Low	2 120.00	8.04
		Middle	2 145.00	8.06
		High	2 170.00	8.05
	16QAM	Low	2 120.00	8.04
		Middle	2 145.00	8.03
		High	2 170.00	8.05
	64QAM	Low	2 120.00	8.02
		Middle	2 145.00	8.05
		High	2 170.00	8.04
	256QAM	Low	2 120.00	8.04
		Middle	2 145.00	8.09
		High	2 170.00	8.08

## (2 Port) B66 DSS 20 MHz 5to5 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 120.00	8.03
		Middle	2 145.00	8.05
		High	2 170.00	8.06
	16QAM	Low	2 120.00	8.05
		Middle	2 145.00	8.05
		High	2 170.00	8.05
	64QAM	Low	2 120.00	8.02
		Middle	2 145.00	8.09
		High	2 170.00	8.07
	256QAM	Low	2 120.00	8.05
		Middle	2 145.00	8.11
		High	2 170.00	8.09
1	QPSK	Low	2 120.00	8.03
		Middle	2 145.00	8.08
		High	2 170.00	8.07
	16QAM	Low	2 120.00	8.03
		Middle	2 145.00	8.04
		High	2 170.00	8.04
	64QAM	Low	2 120.00	8.02
		Middle	2 145.00	8.03
		High	2 170.00	8.07
	256QAM	Low	2 120.00	8.07
		Middle	2 145.00	8.12
		High	2 170.00	8.11

## (2 Port) B66 DSS 20 MHz 9to1 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 120.00	8.05
		Middle	2 145.00	8.09
		High	2 170.00	8.10
	16QAM	Low	2 120.00	8.03
		Middle	2 145.00	8.06
		High	2 170.00	8.03
	64QAM	Low	2 120.00	8.03
		Middle	2 145.00	8.07
		High	2 170.00	8.10
	256QAM	Low	2 120.00	8.07
		Middle	2 145.00	8.10
		High	2 170.00	8.10
1	QPSK	Low	2 120.00	8.06
		Middle	2 145.00	8.12
		High	2 170.00	8.09
	16QAM	Low	2 120.00	8.01
		Middle	2 145.00	8.06
		High	2 170.00	8.06
	64QAM	Low	2 120.00	8.03
		Middle	2 145.00	8.08
		High	2 170.00	8.05
	256QAM	Low	2 120.00	8.07
		Middle	2 145.00	8.11
		High	2 170.00	8.12

## (4 Port) B66 DSS 10 MHz 2to8 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 115.00	8.28
		Middle	2 145.00	8.32
		High	2 175.00	8.39
	16QAM	Low	2 115.00	8.45
		Middle	2 145.00	8.44
		High	2 175.00	8.44
	64QAM	Low	2 115.00	8.41
		Middle	2 145.00	8.46
		High	2 175.00	8.44
	256QAM	Low	2 115.00	8.47
		Middle	2 145.00	8.49
		High	2 175.00	8.49
1	QPSK	Low	2 115.00	8.44
		Middle	2 145.00	8.35
		High	2 175.00	8.37
	16QAM	Low	2 115.00	8.43
		Middle	2 145.00	8.40
		High	2 175.00	8.50
	64QAM	Low	2 115.00	8.46
		Middle	2 145.00	8.49
		High	2 175.00	8.43
	256QAM	Low	2 115.00	8.47
		Middle	2 145.00	8.51
		High	2 175.00	8.53

2	QPSK	Low	2 115.00	8.41
		Middle	2 145.00	8.44
		High	2 175.00	8.44
	16QAM	Low	2 115.00	8.47
		Middle	2 145.00	8.44
		High	2 175.00	8.47
	64QAM	Low	2 115.00	8.48
		Middle	2 145.00	8.48
		High	2 175.00	8.46
256QAM	Low	2 115.00	8.43	
	Middle	2 145.00	8.48	
	High	2 175.00	8.47	
3	QPSK	Low	2 115.00	8.43
		Middle	2 145.00	8.47
		High	2 175.00	8.40
	16QAM	Low	2 115.00	8.45
		Middle	2 145.00	8.48
		High	2 175.00	8.50
	64QAM	Low	2 115.00	8.46
		Middle	2 145.00	8.45
		High	2 175.00	8.46
256QAM	Low	2 115.00	8.44	
	Middle	2 145.00	8.48	
	High	2 175.00	8.47	

## (4 Port) B66 DSS 10 MHz 5to5 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 115.00	8.33
		Middle	2 145.00	8.35
		High	2 175.00	8.37
	16QAM	Low	2 115.00	8.45
		Middle	2 145.00	8.45
		High	2 175.00	8.45
	64QAM	Low	2 115.00	8.25
		Middle	2 145.00	8.43
		High	2 175.00	8.44
	256QAM	Low	2 115.00	8.43
		Middle	2 145.00	8.42
		High	2 175.00	8.39
1	QPSK	Low	2 115.00	8.43
		Middle	2 145.00	8.42
		High	2 175.00	8.42
	16QAM	Low	2 115.00	8.44
		Middle	2 145.00	8.44
		High	2 175.00	8.44
	64QAM	Low	2 115.00	8.46
		Middle	2 145.00	8.38
		High	2 175.00	8.42
	256QAM	Low	2 115.00	8.44
		Middle	2 145.00	8.45
		High	2 175.00	8.45

2	QPSK	Low	2 115.00	8.39
		Middle	2 145.00	8.39
		High	2 175.00	8.38
	16QAM	Low	2 115.00	8.42
		Middle	2 145.00	8.42
		High	2 175.00	8.45
	64QAM	Low	2 115.00	8.46
		Middle	2 145.00	8.45
		High	2 175.00	8.39
256QAM	Low	2 115.00	8.40	
	Middle	2 145.00	8.42	
	High	2 175.00	8.45	
3	QPSK	Low	2 115.00	8.42
		Middle	2 145.00	8.44
		High	2 175.00	8.40
	16QAM	Low	2 115.00	8.45
		Middle	2 145.00	8.41
		High	2 175.00	8.43
	64QAM	Low	2 115.00	8.46
		Middle	2 145.00	8.42
		High	2 175.00	8.43
	256QAM	Low	2 115.00	8.43
		Middle	2 145.00	8.45
		High	2 175.00	8.46

## (4 Port) B66 DSS 10 MHz 9to1 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 115.00	8.37
		Middle	2 145.00	8.36
		High	2 175.00	8.37
	16QAM	Low	2 115.00	8.33
		Middle	2 145.00	8.28
		High	2 175.00	8.36
	64QAM	Low	2 115.00	8.37
		Middle	2 145.00	8.38
		High	2 175.00	8.38
	256QAM	Low	2 115.00	8.43
		Middle	2 145.00	8.44
		High	2 175.00	8.46
1	QPSK	Low	2 115.00	8.38
		Middle	2 145.00	8.39
		High	2 175.00	8.40
	16QAM	Low	2 115.00	8.29
		Middle	2 145.00	8.33
		High	2 175.00	8.33
	64QAM	Low	2 115.00	8.39
		Middle	2 145.00	8.32
		High	2 175.00	8.33
	256QAM	Low	2 115.00	8.47
		Middle	2 145.00	8.45
		High	2 175.00	8.47

2	QPSK	Low	2 115.00	8.38
		Middle	2 145.00	8.41
		High	2 175.00	8.38
	16QAM	Low	2 115.00	8.28
		Middle	2 145.00	8.29
		High	2 175.00	8.35
	64QAM	Low	2 115.00	8.36
		Middle	2 145.00	8.35
		High	2 175.00	8.35
256QAM	Low	2 115.00	8.43	
	Middle	2 145.00	8.44	
	High	2 175.00	8.47	
3	QPSK	Low	2 115.00	8.39
		Middle	2 145.00	8.41
		High	2 175.00	8.40
	16QAM	Low	2 115.00	8.33
		Middle	2 145.00	8.34
		High	2 175.00	8.31
	64QAM	Low	2 115.00	8.36
		Middle	2 145.00	8.36
		High	2 175.00	8.37
256QAM	Low	2 115.00	8.43	
	Middle	2 145.00	8.47	
	High	2 175.00	8.45	

## (4 Port) B66 DSS 15 MHz 2to8 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 117.50	8.40
		Middle	2 145.00	8.38
		High	2 172.50	8.38
	16QAM	Low	2 117.50	8.40
		Middle	2 145.00	8.35
		High	2 172.50	8.36
	64QAM	Low	2 117.50	8.40
		Middle	2 145.00	8.39
		High	2 172.50	8.36
	256QAM	Low	2 117.50	8.37
		Middle	2 145.00	8.40
		High	2 172.50	8.36
1	QPSK	Low	2 117.50	8.38
		Middle	2 145.00	8.37
		High	2 172.50	8.39
	16QAM	Low	2 117.50	8.40
		Middle	2 145.00	8.34
		High	2 172.50	8.38
	64QAM	Low	2 117.50	8.36
		Middle	2 145.00	8.37
		High	2 172.50	8.37
	256QAM	Low	2 117.50	8.44
		Middle	2 145.00	8.37
		High	2 172.50	8.36

2	QPSK	Low	2 117.50	8.06
		Middle	2 145.00	8.13
		High	2 172.50	8.07
	16QAM	Low	2 117.50	8.05
		Middle	2 145.00	8.05
		High	2 172.50	8.09
	64QAM	Low	2 117.50	8.10
		Middle	2 145.00	8.10
		High	2 172.50	8.10
	256QAM	Low	2 117.50	8.10
		Middle	2 145.00	8.08
		High	2 172.50	8.08
3	QPSK	Low	2 117.50	8.12
		Middle	2 145.00	8.13
		High	2 172.50	8.11
	16QAM	Low	2 117.50	8.08
		Middle	2 145.00	8.10
		High	2 172.50	8.09
	64QAM	Low	2 117.50	8.10
		Middle	2 145.00	8.14
		High	2 172.50	8.11
	256QAM	Low	2 117.50	8.08
		Middle	2 145.00	8.10
		High	2 172.50	8.10

## (4 Port) B66 DSS 15 MHz 5to5 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 117.50	8.43
		Middle	2 145.00	8.40
		High	2 172.50	8.39
	16QAM	Low	2 117.50	8.39
		Middle	2 145.00	8.37
		High	2 172.50	8.36
	64QAM	Low	2 117.50	8.38
		Middle	2 145.00	8.38
		High	2 172.50	8.37
	256QAM	Low	2 117.50	8.42
		Middle	2 145.00	8.41
		High	2 172.50	8.37
1	QPSK	Low	2 117.50	8.44
		Middle	2 145.00	8.38
		High	2 172.50	8.40
	16QAM	Low	2 117.50	8.38
		Middle	2 145.00	8.40
		High	2 172.50	8.36
	64QAM	Low	2 117.50	8.36
		Middle	2 145.00	8.36
		High	2 172.50	8.41
	256QAM	Low	2 117.50	8.40
		Middle	2 145.00	8.40
		High	2 172.50	8.38

2	QPSK	Low	2 117.50	8.08
		Middle	2 145.00	8.09
		High	2 172.50	8.08
	16QAM	Low	2 117.50	8.05
		Middle	2 145.00	8.07
		High	2 172.50	8.07
	64QAM	Low	2 117.50	8.07
		Middle	2 145.00	8.11
		High	2 172.50	8.09
	256QAM	Low	2 117.50	8.07
		Middle	2 145.00	8.09
		High	2 172.50	8.08
3	QPSK	Low	2 117.50	8.09
		Middle	2 145.00	8.09
		High	2 172.50	8.06
	16QAM	Low	2 117.50	8.08
		Middle	2 145.00	8.07
		High	2 172.50	8.06
	64QAM	Low	2 117.50	8.10
		Middle	2 145.00	8.08
		High	2 172.50	8.05
	256QAM	Low	2 117.50	8.10
		Middle	2 145.00	8.09
		High	2 172.50	8.09

## (4 Port) B66 DSS 15 MHz 9to1 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 117.50	8.34
		Middle	2 145.00	8.42
		High	2 172.50	8.38
	16QAM	Low	2 117.50	8.37
		Middle	2 145.00	8.38
		High	2 172.50	8.37
	64QAM	Low	2 117.50	8.29
		Middle	2 145.00	8.32
		High	2 172.50	8.30
	256QAM	Low	2 117.50	8.35
		Middle	2 145.00	8.37
		High	2 172.50	8.36
1	QPSK	Low	2 117.50	8.35
		Middle	2 145.00	8.41
		High	2 172.50	8.38
	16QAM	Low	2 117.50	8.42
		Middle	2 145.00	8.42
		High	2 172.50	8.38
	64QAM	Low	2 117.50	8.29
		Middle	2 145.00	8.30
		High	2 172.50	8.32
	256QAM	Low	2 117.50	8.39
		Middle	2 145.00	8.39
		High	2 172.50	8.38

2	QPSK	Low	2 117.50	8.02
		Middle	2 145.00	8.05
		High	2 172.50	8.03
	16QAM	Low	2 117.50	8.01
		Middle	2 145.00	8.04
		High	2 172.50	8.03
	64QAM	Low	2 117.50	7.98
		Middle	2 145.00	8.04
		High	2 172.50	8.01
	256QAM	Low	2 117.50	8.01
		Middle	2 145.00	8.03
		High	2 172.50	8.04
3	QPSK	Low	2 117.50	8.05
		Middle	2 145.00	8.07
		High	2 172.50	8.06
	16QAM	Low	2 117.50	8.02
		Middle	2 145.00	8.03
		High	2 172.50	8.03
	64QAM	Low	2 117.50	8.00
		Middle	2 145.00	8.04
		High	2 172.50	8.04
	256QAM	Low	2 117.50	8.03
		Middle	2 145.00	8.06
		High	2 172.50	8.04

## (4 Port) B66 DSS 20 MHz 2to8 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 120.00	8.44
		Middle	2 145.00	8.54
		High	2 170.00	8.52
	16QAM	Low	2 120.00	8.40
		Middle	2 145.00	8.41
		High	2 170.00	8.41
	64QAM	Low	2 120.00	8.48
		Middle	2 145.00	8.49
		High	2 170.00	8.44
	256QAM	Low	2 120.00	8.42
		Middle	2 145.00	8.44
		High	2 170.00	8.44
1	QPSK	Low	2 120.00	8.48
		Middle	2 145.00	8.56
		High	2 170.00	8.54
	16QAM	Low	2 120.00	8.46
		Middle	2 145.00	8.42
		High	2 170.00	8.42
	64QAM	Low	2 120.00	8.47
		Middle	2 145.00	8.45
		High	2 170.00	8.45
	256QAM	Low	2 120.00	8.47
		Middle	2 145.00	8.46
		High	2 170.00	8.45

2	QPSK	Low	2 120.00	8.10
		Middle	2 145.00	8.15
		High	2 170.00	8.13
	16QAM	Low	2 120.00	8.07
		Middle	2 145.00	8.10
		High	2 170.00	8.09
	64QAM	Low	2 120.00	8.12
		Middle	2 145.00	8.15
		High	2 170.00	8.15
256QAM	Low	2 120.00	8.08	
	Middle	2 145.00	8.13	
	High	2 170.00	8.15	
3	QPSK	Low	2 120.00	8.13
		Middle	2 145.00	8.15
		High	2 170.00	8.16
	16QAM	Low	2 120.00	8.07
		Middle	2 145.00	8.15
		High	2 170.00	8.13
	64QAM	Low	2 120.00	8.13
		Middle	2 145.00	8.15
		High	2 170.00	8.14
256QAM	Low	2 120.00	8.13	
	Middle	2 145.00	8.13	
	High	2 170.00	8.17	

## (4 Port) B66 DSS 20 MHz 5to5 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 120.00	8.47
		Middle	2 145.00	8.53
		High	2 170.00	8.49
	16QAM	Low	2 120.00	8.40
		Middle	2 145.00	8.42
		High	2 170.00	8.41
	64QAM	Low	2 120.00	8.42
		Middle	2 145.00	8.44
		High	2 170.00	8.40
	256QAM	Low	2 120.00	8.45
		Middle	2 145.00	8.41
		High	2 170.00	8.45
1	QPSK	Low	2 120.00	8.47
		Middle	2 145.00	8.53
		High	2 170.00	8.50
	16QAM	Low	2 120.00	8.43
		Middle	2 145.00	8.43
		High	2 170.00	8.41
	64QAM	Low	2 120.00	8.47
		Middle	2 145.00	8.42
		High	2 170.00	8.45
	256QAM	Low	2 120.00	8.40
		Middle	2 145.00	8.46
		High	2 170.00	8.42

2	QPSK	Low	2 120.00	8.08
		Middle	2 145.00	8.12
		High	2 170.00	8.08
	16QAM	Low	2 120.00	8.05
		Middle	2 145.00	8.10
		High	2 170.00	8.10
	64QAM	Low	2 120.00	8.07
		Middle	2 145.00	8.12
		High	2 170.00	8.10
	256QAM	Low	2 120.00	8.05
		Middle	2 145.00	8.12
		High	2 170.00	8.12
3	QPSK	Low	2 120.00	8.11
		Middle	2 145.00	8.13
		High	2 170.00	8.10
	16QAM	Low	2 120.00	8.08
		Middle	2 145.00	8.11
		High	2 170.00	8.11
	64QAM	Low	2 120.00	8.10
		Middle	2 145.00	8.12
		High	2 170.00	8.12
	256QAM	Low	2 120.00	8.10
		Middle	2 145.00	8.13
		High	2 170.00	8.13

## (4 Port) B66 DSS 20 MHz 9to1 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 120.00	8.42
		Middle	2 145.00	8.43
		High	2 170.00	8.42
	16QAM	Low	2 120.00	8.37
		Middle	2 145.00	8.38
		High	2 170.00	8.37
	64QAM	Low	2 120.00	8.29
		Middle	2 145.00	8.33
		High	2 170.00	8.35
	256QAM	Low	2 120.00	8.40
		Middle	2 145.00	8.43
		High	2 170.00	8.40
1	QPSK	Low	2 120.00	8.45
		Middle	2 145.00	8.41
		High	2 170.00	8.44
	16QAM	Low	2 120.00	8.38
		Middle	2 145.00	8.39
		High	2 170.00	8.40
	64QAM	Low	2 120.00	8.32
		Middle	2 145.00	8.31
		High	2 170.00	8.34
	256QAM	Low	2 120.00	8.36
		Middle	2 145.00	8.41
		High	2 170.00	8.38

2	QPSK	Low	2 120.00	8.08
		Middle	2 145.00	8.07
		High	2 170.00	8.08
	16QAM	Low	2 120.00	8.00
		Middle	2 145.00	8.01
		High	2 170.00	8.04
	64QAM	Low	2 120.00	7.99
		Middle	2 145.00	8.04
		High	2 170.00	8.04
	256QAM	Low	2 120.00	8.03
		Middle	2 145.00	8.09
		High	2 170.00	8.06
3	QPSK	Low	2 120.00	8.06
		Middle	2 145.00	8.09
		High	2 170.00	8.09
	16QAM	Low	2 120.00	8.01
		Middle	2 145.00	8.05
		High	2 170.00	8.06
	64QAM	Low	2 120.00	8.02
		Middle	2 145.00	8.07
		High	2 170.00	8.03
	256QAM	Low	2 120.00	8.03
		Middle	2 145.00	8.08
		High	2 170.00	8.08

**(2 Port) LTE B66 5 MHz 1 Carrier**

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
1	QPSK	Low	2 112.50	7.91
		Middle	2 145.00	8.00
		High	2 177.50	7.94
	16QAM	Low	2 112.50	7.97
		Middle	2 145.00	7.96
		High	2 177.50	7.90

**(2 Port) LTE B66 10 MHz 1 Carrier**

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
1	QPSK	Low	2 115.00	7.94
		Middle	2 145.00	7.95
		High	2 175.00	7.92
	16QAM	Low	2 115.00	7.94
		Middle	2 145.00	7.93
		High	2 175.00	7.89

**(2 Port) LTE B66 15 MHz 1 Carrier**

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
1	QPSK	Low	2 117.50	7.91
		Middle	2 145.00	7.94
		High	2 172.50	7.92
	16QAM	Low	2 117.50	7.94
		Middle	2 145.00	7.92
		High	2 172.50	7.89

**(2 Port) LTE B66 20 MHz 1 Carrier**

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
1	QPSK	Low	2 120.00	7.97
		Middle	2 145.00	7.95
		High	2 170.00	7.96
	16QAM	Low	2 120.00	7.96
		Middle	2 145.00	7.94
		High	2 170.00	7.89

**(4 Port) LTE B66 5 MHz 1 Carrier**

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 112.50	8.24
		Middle	2 145.00	8.34
		High	2 177.50	8.33
	16QAM	Low	2 112.50	8.33
		Middle	2 145.00	8.37
		High	2 177.50	8.37

**(4 Port) LTE B66 10 MHz 1 Carrier**

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
3	QPSK	Low	2 115.00	7.93
		Middle	2 145.00	7.91
		High	2 175.00	7.88
	16QAM	Low	2 115.00	7.91
		Middle	2 145.00	7.91
		High	2 175.00	7.87

**(4 Port) LTE B66 15 MHz 1 Carrier**

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
3	QPSK	Low	2 117.50	7.85
		Middle	2 145.00	7.88
		High	2 172.50	7.88
	16QAM	Low	2 117.50	7.92
		Middle	2 145.00	7.88
		High	2 172.50	7.83

**(4 Port) LTE B66 20 MHz 1 Carrier**

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 120.00	7.96
		Middle	2 145.00	7.96
		High	2 170.00	7.96
	16QAM	Low	2 120.00	7.92
		Middle	2 145.00	7.93
		High	2 170.00	7.92

## (2 Port) 5G NR n66 5 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 112.50	8.34
		Middle	2 145.00	8.01
		High	2 177.50	7.95
	16QAM	Low	2 112.50	7.95
		Middle	2 145.00	8.03
		High	2 177.50	7.98
	64QAM	Low	2 112.50	7.92
		Middle	2 145.00	7.94
		High	2 177.50	7.93
	256QAM	Low	2 112.50	7.97
		Middle	2 145.00	8.05
		High	2 177.50	8.02
1	QPSK	Low	2 112.50	8.15
		Middle	2 145.00	7.99
		High	2 177.50	7.96
	16QAM	Low	2 112.50	7.97
		Middle	2 145.00	8.03
		High	2 177.50	7.99
	64QAM	Low	2 112.50	7.92
		Middle	2 145.00	7.95
		High	2 177.50	7.93
	256QAM	Low	2 112.50	7.95
		Middle	2 145.00	8.04
		High	2 177.50	7.99

## (2 Port) 5G NR n66 10 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 115.00	7.93
		Middle	2 145.00	7.96
		High	2 175.00	7.92
	16QAM	Low	2 115.00	7.90
		Middle	2 145.00	7.93
		High	2 175.00	7.90
	64QAM	Low	2 115.00	7.87
		Middle	2 145.00	7.93
		High	2 175.00	7.90
	256QAM	Low	2 115.00	7.90
		Middle	2 145.00	7.90
		High	2 175.00	7.93
1	QPSK	Low	2 115.00	7.92
		Middle	2 145.00	7.95
		High	2 175.00	7.92
	16QAM	Low	2 115.00	7.90
		Middle	2 145.00	7.95
		High	2 175.00	7.88
	64QAM	Low	2 115.00	7.89
		Middle	2 145.00	7.93
		High	2 175.00	7.91
	256QAM	Low	2 115.00	7.90
		Middle	2 145.00	7.92
		High	2 175.00	7.91

## (2 Port) 5G NR n66 15 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 117.50	7.95
		Middle	2 145.00	7.96
		High	2 172.50	7.94
	16QAM	Low	2 117.50	7.94
		Middle	2 145.00	7.92
		High	2 172.50	7.92
	64QAM	Low	2 117.50	7.95
		Middle	2 145.00	7.95
		High	2 172.50	7.94
	256QAM	Low	2 117.50	7.96
		Middle	2 145.00	7.95
		High	2 172.50	7.93
1	QPSK	Low	2 117.50	7.94
		Middle	2 145.00	7.96
		High	2 172.50	7.93
	16QAM	Low	2 117.50	7.95
		Middle	2 145.00	7.92
		High	2 172.50	7.92
	64QAM	Low	2 117.50	7.95
		Middle	2 145.00	7.95
		High	2 172.50	7.96
	256QAM	Low	2 117.50	7.94
		Middle	2 145.00	7.95
		High	2 172.50	7.94

## (2 Port) 5G NR n66 20 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 120.00	7.95
		Middle	2 145.00	7.96
		High	2 170.00	7.95
	16QAM	Low	2 120.00	7.94
		Middle	2 145.00	7.95
		High	2 170.00	7.94
	64QAM	Low	2 120.00	7.90
		Middle	2 145.00	7.95
		High	2 170.00	7.93
	256QAM	Low	2 120.00	7.96
		Middle	2 145.00	7.95
		High	2 170.00	7.95
1	QPSK	Low	2 120.00	7.97
		Middle	2 145.00	7.97
		High	2 170.00	7.96
	16QAM	Low	2 120.00	7.93
		Middle	2 145.00	7.94
		High	2 170.00	7.93
	64QAM	Low	2 120.00	7.91
		Middle	2 145.00	7.93
		High	2 170.00	7.93
	256QAM	Low	2 120.00	7.93
		Middle	2 145.00	7.96
		High	2 170.00	7.96

## (4 Port) 5G NR n66 5 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 112.50	8.27
		Middle	2 145.00	8.30
		High	2 177.50	8.32
	16QAM	Low	2 112.50	8.37
		Middle	2 145.00	8.33
		High	2 177.50	8.45
	64QAM	Low	2 112.50	8.20
		Middle	2 145.00	8.17
		High	2 177.50	8.20
	256QAM	Low	2 112.50	8.34
		Middle	2 145.00	8.39
		High	2 177.50	8.43
1	QPSK	Low	2 112.50	8.28
		Middle	2 145.00	8.27
		High	2 177.50	8.32
	16QAM	Low	2 112.50	8.39
		Middle	2 145.00	8.36
		High	2 177.50	8.45
	64QAM	Low	2 112.50	8.20
		Middle	2 145.00	8.16
		High	2 177.50	8.16
	256QAM	Low	2 112.50	8.32
		Middle	2 145.00	8.37
		High	2 177.50	8.41

2	QPSK	Low	2 112.50	7.85
		Middle	2 145.00	7.91
		High	2 177.50	8.33
	16QAM	Low	2 112.50	7.90
		Middle	2 145.00	7.92
		High	2 177.50	8.44
	64QAM	Low	2 112.50	7.89
		Middle	2 145.00	7.88
		High	2 177.50	8.21
256QAM	Low	2 112.50	7.88	
	Middle	2 145.00	7.94	
	High	2 177.50	8.37	
3	QPSK	Low	2 112.50	7.84
		Middle	2 145.00	7.91
		High	2 177.50	8.28
	16QAM	Low	2 112.50	7.92
		Middle	2 145.00	7.91
		High	2 177.50	8.46
	64QAM	Low	2 112.50	7.88
		Middle	2 145.00	7.87
		High	2 177.50	8.19
256QAM	Low	2 112.50	7.88	
	Middle	2 145.00	7.95	
	High	2 177.50	8.38	

## (4 Port) 5G NR n66 10 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 115.00	7.93
		Middle	2 145.00	7.93
		High	2 175.00	7.93
	16QAM	Low	2 115.00	7.92
		Middle	2 145.00	7.94
		High	2 175.00	7.94
	64QAM	Low	2 115.00	7.91
		Middle	2 145.00	7.91
		High	2 175.00	7.91
	256QAM	Low	2 115.00	7.93
		Middle	2 145.00	7.93
		High	2 175.00	7.90
1	QPSK	Low	2 115.00	7.93
		Middle	2 145.00	7.97
		High	2 175.00	7.92
	16QAM	Low	2 115.00	7.94
		Middle	2 145.00	7.97
		High	2 175.00	7.92
	64QAM	Low	2 115.00	7.91
		Middle	2 145.00	7.92
		High	2 175.00	7.89
	256QAM	Low	2 115.00	7.93
		Middle	2 145.00	7.95
		High	2 175.00	7.89

2	QPSK	Low	2 115.00	7.88
		Middle	2 145.00	7.90
		High	2 175.00	7.88
	16QAM	Low	2 115.00	7.88
		Middle	2 145.00	7.92
		High	2 175.00	7.88
	64QAM	Low	2 115.00	7.89
		Middle	2 145.00	7.90
		High	2 175.00	7.87
256QAM	Low	2 115.00	7.91	
	Middle	2 145.00	7.90	
	High	2 175.00	7.86	
3	QPSK	Low	2 115.00	7.91
		Middle	2 145.00	7.93
		High	2 175.00	7.87
	16QAM	Low	2 115.00	7.92
		Middle	2 145.00	7.90
		High	2 175.00	7.89
	64QAM	Low	2 115.00	7.90
		Middle	2 145.00	7.90
		High	2 175.00	7.88
256QAM	Low	2 115.00	7.95	
	Middle	2 145.00	7.89	
	High	2 175.00	7.86	

## (4 Port) 5G NR n66 15 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 117.50	7.93
		Middle	2 145.00	7.95
		High	2 172.50	7.93
	16QAM	Low	2 117.50	7.94
		Middle	2 145.00	7.92
		High	2 172.50	7.89
	64QAM	Low	2 117.50	7.94
		Middle	2 145.00	7.95
		High	2 172.50	7.92
	256QAM	Low	2 117.50	7.93
		Middle	2 145.00	7.96
		High	2 172.50	7.93
1	QPSK	Low	2 117.50	7.94
		Middle	2 145.00	7.96
		High	2 172.50	7.92
	16QAM	Low	2 117.50	7.95
		Middle	2 145.00	7.92
		High	2 172.50	7.89
	64QAM	Low	2 117.50	7.94
		Middle	2 145.00	7.95
		High	2 172.50	7.93
	256QAM	Low	2 117.50	7.94
		Middle	2 145.00	7.95
		High	2 172.50	7.93

2	QPSK	Low	2 117.50	7.88
		Middle	2 145.00	7.91
		High	2 172.50	7.88
	16QAM	Low	2 117.50	7.87
		Middle	2 145.00	7.87
		High	2 172.50	7.88
	64QAM	Low	2 117.50	7.89
		Middle	2 145.00	7.89
		High	2 172.50	7.92
	256QAM	Low	2 117.50	7.89
		Middle	2 145.00	7.90
		High	2 172.50	7.91
3	QPSK	Low	2 117.50	7.90
		Middle	2 145.00	7.90
		High	2 172.50	7.90
	16QAM	Low	2 117.50	7.88
		Middle	2 145.00	7.88
		High	2 172.50	7.89
	64QAM	Low	2 117.50	7.92
		Middle	2 145.00	7.94
		High	2 172.50	7.90
	256QAM	Low	2 117.50	7.91
		Middle	2 145.00	7.92
		High	2 172.50	7.90

## (4 Port) 5G NR n66 20 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 120.00	7.98
		Middle	2 145.00	7.96
		High	2 170.00	7.96
	16QAM	Low	2 120.00	7.92
		Middle	2 145.00	7.95
		High	2 170.00	7.94
	64QAM	Low	2 120.00	7.91
		Middle	2 145.00	7.93
		High	2 170.00	7.91
	256QAM	Low	2 120.00	7.95
		Middle	2 145.00	7.97
		High	2 170.00	7.96
1	QPSK	Low	2 120.00	7.97
		Middle	2 145.00	7.96
		High	2 170.00	7.97
	16QAM	Low	2 120.00	7.92
		Middle	2 145.00	7.95
		High	2 170.00	7.96
	64QAM	Low	2 120.00	7.89
		Middle	2 145.00	7.92
		High	2 170.00	7.93
	256QAM	Low	2 120.00	7.96
		Middle	2 145.00	7.96
		High	2 170.00	7.95

2	QPSK	Low	2 120.00	7.92
		Middle	2 145.00	7.93
		High	2 170.00	7.93
	16QAM	Low	2 120.00	7.90
		Middle	2 145.00	7.91
		High	2 170.00	7.91
	64QAM	Low	2 120.00	7.87
		Middle	2 145.00	7.88
		High	2 170.00	7.90
	256QAM	Low	2 120.00	7.91
		Middle	2 145.00	7.91
		High	2 170.00	7.92
3	QPSK	Low	2 120.00	7.95
		Middle	2 145.00	7.94
		High	2 170.00	7.92
	16QAM	Low	2 120.00	7.91
		Middle	2 145.00	7.91
		High	2 170.00	7.91
	64QAM	Low	2 120.00	7.86
		Middle	2 145.00	7.91
		High	2 170.00	7.91
	256QAM	Low	2 120.00	7.92
		Middle	2 145.00	7.93
		High	2 170.00	7.93

## Tabular data of Contiguous PAPR

## (2 Port) B2 DSS 10 MHz 9to1 1 Carrier + LTE B2 5 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1 937.50	8.03
		Middle	1 960.00	7.99
		High	1 982.50	8.03
	16QAM	Low	1 937.50	8.02
		Middle	1 960.00	8.02
		High	1 982.50	8.03
	64QAM	Low	1 937.50	8.01
		Middle	1 960.00	8.02
		High	1 982.50	8.05
	256QAM	Low	1 937.50	8.04
		Middle	1 960.00	8.03
		High	1 982.50	8.05
1	QPSK	Low	1 937.50	8.02
		Middle	1 960.00	8.04
		High	1 982.50	8.04
	16QAM	Low	1 937.50	8.04
		Middle	1 960.00	8.05
		High	1 982.50	8.04
	64QAM	Low	1 937.50	8.03
		Middle	1 960.00	8.01
		High	1 982.50	8.06
	256QAM	Low	1 937.50	8.02
		Middle	1 960.00	8.01
		High	1 982.50	8.07

**(4 Port) B2 DSS 10 MHz 9to1 1 Carrier + LTE B2 5 MHz 1 Carrier [2 Carrier]**

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1 937.50	8.37
		Middle	1 960.00	8.33
		High	1 982.50	8.35
	16QAM	Low	1 937.50	8.38
		Middle	1 960.00	8.39
		High	1 982.50	8.35
	64QAM	Low	1 937.50	8.34
		Middle	1 960.00	8.33
		High	1 982.50	8.35
	256QAM	Low	1 937.50	8.37
		Middle	1 960.00	8.35
		High	1 982.50	8.31
1	QPSK	Low	1 937.50	8.37
		Middle	1 960.00	8.37
		High	1 982.50	8.37
	16QAM	Low	1 937.50	8.34
		Middle	1 960.00	8.36
		High	1 982.50	8.41
	64QAM	Low	1 937.50	8.34
		Middle	1 960.00	8.33
		High	1 982.50	8.37
	256QAM	Low	1 937.50	8.37
		Middle	1 960.00	8.36
		High	1 982.50	8.35

2	QPSK	Low	1 937.50	8.02
		Middle	1 960.00	8.07
		High	1 982.50	8.05
	16QAM	Low	1 937.50	8.04
		Middle	1 960.00	8.06
		High	1 982.50	8.12
	64QAM	Low	1 937.50	8.05
		Middle	1 960.00	8.08
		High	1 982.50	8.05
	256QAM	Low	1 937.50	8.02
		Middle	1 960.00	8.07
		High	1 982.50	8.03
3	QPSK	Low	1 937.50	8.04
		Middle	1 960.00	8.06
		High	1 982.50	8.04
	16QAM	Low	1 937.50	8.02
		Middle	1 960.00	8.07
		High	1 982.50	8.08
	64QAM	Low	1 937.50	8.04
		Middle	1 960.00	8.06
		High	1 982.50	8.05
	256QAM	Low	1 937.50	8.04
		Middle	1 960.00	8.05
		High	1 982.50	8.05

## (2 Port) LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1 935.00	7.84
		Middle	1 960.00	7.92
		High	1 985.00	7.89
	16QAM	Low	1 935.00	7.87
		Middle	1 960.00	7.90
		High	1 985.00	7.88
	64QAM	Low	1 935.00	7.85
		Middle	1 960.00	7.88
		High	1 985.00	7.88
	256QAM	Low	1 935.00	7.86
		Middle	1 960.00	7.89
		High	1 985.00	7.83
1	QPSK	Low	1 935.00	7.87
		Middle	1 960.00	7.93
		High	1 985.00	7.89
	16QAM	Low	1 935.00	7.85
		Middle	1 960.00	7.89
		High	1 985.00	7.91
	64QAM	Low	1 935.00	7.87
		Middle	1 960.00	7.90
		High	1 985.00	7.88
	256QAM	Low	1 935.00	7.88
		Middle	1 960.00	7.86
		High	1 985.00	7.89

## (2 Port) LTE B2 10 MHz 1 Carrier + 5G NR n2 20 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1 945.00	8.01
		Middle	1 960.00	7.87
		High	1 975.00	7.89
	16QAM	Low	1 945.00	8.00
		Middle	1 960.00	7.91
		High	1 975.00	7.87
	64QAM	Low	1 945.00	8.01
		Middle	1 960.00	7.88
		High	1 975.00	7.89
	256QAM	Low	1 945.00	8.03
		Middle	1 960.00	7.90
		High	1 975.00	7.88
1	QPSK	Low	1 945.00	8.00
		Middle	1 960.00	7.89
		High	1 975.00	7.92
	16QAM	Low	1 945.00	8.00
		Middle	1 960.00	7.89
		High	1 975.00	7.92
	64QAM	Low	1 945.00	8.02
		Middle	1 960.00	7.90
		High	1 975.00	7.94
	256QAM	Low	1 945.00	8.07
		Middle	1 960.00	7.92
		High	1 975.00	7.95

## (4 Port) LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1 935.00	7.90
		Middle	1 960.00	8.15
		High	1 985.00	7.89
	16QAM	Low	1 935.00	7.86
		Middle	1 960.00	7.90
		High	1 985.00	7.91
	64QAM	Low	1 935.00	7.88
		Middle	1 960.00	7.93
		High	1 985.00	7.92
	256QAM	Low	1 935.00	7.89
		Middle	1 960.00	7.89
		High	1 985.00	7.87
1	QPSK	Low	1 935.00	7.86
		Middle	1 960.00	7.91
		High	1 985.00	7.90
	16QAM	Low	1 935.00	7.87
		Middle	1 960.00	7.87
		High	1 985.00	7.89
	64QAM	Low	1 935.00	7.85
		Middle	1 960.00	7.90
		High	1 985.00	7.90
	256QAM	Low	1 935.00	7.90
		Middle	1 960.00	7.91
		High	1 985.00	7.90

2	QPSK	Low	1 935.00	7.87
		Middle	1 960.00	7.94
		High	1 985.00	7.91
	16QAM	Low	1 935.00	7.86
		Middle	1 960.00	7.90
		High	1 985.00	7.92
	64QAM	Low	1 935.00	7.89
		Middle	1 960.00	7.91
		High	1 985.00	7.90
	256QAM	Low	1 935.00	7.88
		Middle	1 960.00	7.90
		High	1 985.00	7.94
3	QPSK	Low	1 935.00	7.83
		Middle	1 960.00	7.93
		High	1 985.00	7.92
	16QAM	Low	1 935.00	7.88
		Middle	1 960.00	7.92
		High	1 985.00	7.86
	64QAM	Low	1 935.00	7.89
		Middle	1 960.00	7.92
		High	1 985.00	7.90
	256QAM	Low	1 935.00	7.89
		Middle	1 960.00	7.92
		High	1 985.00	7.90

## (4 Port) LTE B2 10 MHz 1 Carrier + 5G NR n2 20 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1 945.00	8.05
		Middle	1 960.00	7.89
		High	1 975.00	7.91
	16QAM	Low	1 945.00	8.02
		Middle	1 960.00	7.90
		High	1 975.00	7.89
	64QAM	Low	1 945.00	8.04
		Middle	1 960.00	7.91
		High	1 975.00	7.89
	256QAM	Low	1 945.00	8.08
		Middle	1 960.00	7.94
		High	1 975.00	7.92
1	QPSK	Low	1 945.00	8.04
		Middle	1 960.00	7.92
		High	1 975.00	7.89
	16QAM	Low	1 945.00	8.03
		Middle	1 960.00	7.92
		High	1 975.00	7.91
	64QAM	Low	1 945.00	8.02
		Middle	1 960.00	7.91
		High	1 975.00	7.89
	256QAM	Low	1 945.00	8.05
		Middle	1 960.00	7.94
		High	1 975.00	7.89

2	QPSK	Low	1 945.00	8.00
		Middle	1 960.00	7.93
		High	1 975.00	7.94
	16QAM	Low	1 945.00	8.04
		Middle	1 960.00	7.96
		High	1 975.00	7.91
	64QAM	Low	1 945.00	8.05
		Middle	1 960.00	7.96
		High	1 975.00	7.95
	256QAM	Low	1 945.00	8.08
		Middle	1 960.00	7.96
		High	1 975.00	7.96
3	QPSK	Low	1 945.00	8.01
		Middle	1 960.00	7.95
		High	1 975.00	7.91
	16QAM	Low	1 945.00	8.04
		Middle	1 960.00	7.94
		High	1 975.00	7.94
	64QAM	Low	1 945.00	8.05
		Middle	1 960.00	7.94
		High	1 975.00	7.91
	256QAM	Low	1 945.00	8.09
		Middle	1 960.00	7.96
		High	1 975.00	7.94

## (2 Port) B66 DSS 10 MHz 9to1 1 Carrier + LTE B66 5 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 117.50	8.03
		Middle	2 145.00	8.06
		High	2 172.50	8.04
	16QAM	Low	2 117.50	7.99
		Middle	2 145.00	8.09
		High	2 172.50	8.04
	64QAM	Low	2 117.50	8.02
		Middle	2 145.00	8.08
		High	2 172.50	8.04
	256QAM	Low	2 117.50	8.04
		Middle	2 145.00	8.06
		High	2 172.50	8.04
1	QPSK	Low	2 117.50	8.03
		Middle	2 145.00	8.07
		High	2 172.50	8.04
	16QAM	Low	2 117.50	8.01
		Middle	2 145.00	8.08
		High	2 172.50	8.04
	64QAM	Low	2 117.50	8.02
		Middle	2 145.00	8.11
		High	2 172.50	8.06
	256QAM	Low	2 117.50	8.10
		Middle	2 145.00	8.10
		High	2 172.50	8.05

**(4 Port) B66 DSS 10 MHz 9to1 1 Carrier + LTE B66 5 MHz 1 Carrier [2 Carrier]**

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 117.50	8.30
		Middle	2 145.00	8.34
		High	2 172.50	8.34
	16QAM	Low	2 117.50	8.40
		Middle	2 145.00	8.34
		High	2 172.50	8.31
	64QAM	Low	2 117.50	8.39
		Middle	2 145.00	8.33
		High	2 172.50	8.40
	256QAM	Low	2 117.50	8.42
		Middle	2 145.00	8.36
		High	2 172.50	8.35
1	QPSK	Low	2 117.50	8.35
		Middle	2 145.00	8.38
		High	2 172.50	8.22
	16QAM	Low	2 117.50	8.35
		Middle	2 145.00	8.42
		High	2 172.50	8.38
	64QAM	Low	2 117.50	8.42
		Middle	2 145.00	8.32
		High	2 172.50	8.34
	256QAM	Low	2 117.50	8.39
		Middle	2 145.00	8.40
		High	2 172.50	8.35

2	QPSK	Low	2 117.50	8.02
		Middle	2 145.00	8.03
		High	2 172.50	8.00
	16QAM	Low	2 117.50	8.01
		Middle	2 145.00	8.07
		High	2 172.50	7.98
	64QAM	Low	2 117.50	8.06
		Middle	2 145.00	8.02
		High	2 172.50	7.99
	256QAM	Low	2 117.50	8.01
		Middle	2 145.00	8.06
		High	2 172.50	8.00
3	QPSK	Low	2 117.50	8.01
		Middle	2 145.00	8.04
		High	2 172.50	8.00
	16QAM	Low	2 117.50	8.02
		Middle	2 145.00	8.05
		High	2 172.50	8.01
	64QAM	Low	2 117.50	8.06
		Middle	2 145.00	8.06
		High	2 172.50	8.00
	256QAM	Low	2 117.50	8.06
		Middle	2 145.00	8.07
		High	2 172.50	8.02

## (2 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 115.00	7.95
		Middle	2 145.00	7.95
		High	2 175.00	7.94
	16QAM	Low	2 115.00	7.90
		Middle	2 145.00	7.95
		High	2 175.00	7.94
	64QAM	Low	2 115.00	7.96
		Middle	2 145.00	7.97
		High	2 175.00	7.93
	256QAM	Low	2 115.00	7.97
		Middle	2 145.00	7.96
		High	2 175.00	7.93
1	QPSK	Low	2 115.00	7.95
		Middle	2 145.00	7.96
		High	2 175.00	7.94
	16QAM	Low	2 115.00	7.94
		Middle	2 145.00	7.97
		High	2 175.00	7.93
	64QAM	Low	2 115.00	7.97
		Middle	2 145.00	7.98
		High	2 175.00	7.94
	256QAM	Low	2 115.00	7.94
		Middle	2 145.00	7.97
		High	2 175.00	7.92

## (2 Port) LTE B66 20 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 130.00	7.95
		Middle	2 145.00	7.93
		High	2 160.00	7.96
	16QAM	Low	2 130.00	8.00
		Middle	2 145.00	7.93
		High	2 160.00	7.96
	64QAM	Low	2 130.00	7.97
		Middle	2 145.00	7.93
		High	2 160.00	7.93
	256QAM	Low	2 130.00	7.99
		Middle	2 145.00	7.92
		High	2 160.00	7.96
1	QPSK	Low	2 130.00	7.96
		Middle	2 145.00	7.91
		High	2 160.00	7.94
	16QAM	Low	2 130.00	7.97
		Middle	2 145.00	7.95
		High	2 160.00	7.94
	64QAM	Low	2 130.00	7.98
		Middle	2 145.00	7.92
		High	2 160.00	7.94
	256QAM	Low	2 130.00	7.96
		Middle	2 145.00	7.95
		High	2 160.00	7.97

## (4 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 117.50	8.01
		Middle	2 145.00	8.03
		High	2 172.50	7.98
	16QAM	Low	2 117.50	7.96
		Middle	2 145.00	8.00
		High	2 172.50	7.94
	64QAM	Low	2 117.50	7.95
		Middle	2 145.00	7.99
		High	2 172.50	7.96
	256QAM	Low	2 117.50	7.96
		Middle	2 145.00	8.00
		High	2 172.50	7.95
1	QPSK	Low	2 117.50	7.99
		Middle	2 145.00	7.99
		High	2 172.50	7.98
	16QAM	Low	2 117.50	7.95
		Middle	2 145.00	7.99
		High	2 172.50	7.97
	64QAM	Low	2 117.50	7.93
		Middle	2 145.00	7.98
		High	2 172.50	7.94
	256QAM	Low	2 117.50	7.96
		Middle	2 145.00	7.99
		High	2 172.50	7.96

2	QPSK	Low	2 117.50	7.90
		Middle	2 145.00	7.90
		High	2 172.50	7.88
	16QAM	Low	2 117.50	7.88
		Middle	2 145.00	7.89
		High	2 172.50	7.89
	64QAM	Low	2 117.50	7.88
		Middle	2 145.00	7.88
		High	2 172.50	7.89
256QAM	Low	2 117.50	7.89	
	Middle	2 145.00	7.87	
	High	2 172.50	7.90	
3	QPSK	Low	2 117.50	7.91
		Middle	2 145.00	7.92
		High	2 172.50	7.90
	16QAM	Low	2 117.50	7.88
		Middle	2 145.00	7.91
		High	2 172.50	7.91
	64QAM	Low	2 117.50	7.90
		Middle	2 145.00	7.88
		High	2 172.50	7.90
256QAM	Low	2 117.50	7.92	
	Middle	2 145.00	7.88	
	High	2 172.50	7.89	

**(4 Port) LTE B66 20 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [2 Carrier]**

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 130.00	7.94
		Middle	2 145.00	7.91
		High	2 160.00	7.88
	16QAM	Low	2 130.00	7.97
		Middle	2 145.00	7.80
		High	2 160.00	7.95
	64QAM	Low	2 130.00	7.97
		Middle	2 145.00	7.91
		High	2 160.00	7.93
	256QAM	Low	2 130.00	7.94
		Middle	2 145.00	7.93
		High	2 160.00	7.95
1	QPSK	Low	2 130.00	7.95
		Middle	2 145.00	7.95
		High	2 160.00	7.94
	16QAM	Low	2 130.00	7.99
		Middle	2 145.00	7.91
		High	2 160.00	7.94
	64QAM	Low	2 130.00	7.99
		Middle	2 145.00	7.95
		High	2 160.00	7.96
	256QAM	Low	2 130.00	7.98
		Middle	2 145.00	7.95
		High	2 160.00	7.95

2	QPSK	Low	2 130.00	7.93
		Middle	2 145.00	7.91
		High	2 160.00	7.92
	16QAM	Low	2 130.00	7.95
		Middle	2 145.00	7.89
		High	2 160.00	7.89
	64QAM	Low	2 130.00	7.93
		Middle	2 145.00	7.89
		High	2 160.00	7.93
	256QAM	Low	2 130.00	7.95
		Middle	2 145.00	7.89
		High	2 160.00	7.93
3	QPSK	Low	2 130.00	7.94
		Middle	2 145.00	7.91
		High	2 160.00	7.92
	16QAM	Low	2 130.00	7.97
		Middle	2 145.00	7.90
		High	2 160.00	7.91
	64QAM	Low	2 130.00	7.93
		Middle	2 145.00	7.91
		High	2 160.00	7.91
	256QAM	Low	2 130.00	7.97
		Middle	2 145.00	7.91
		High	2 160.00	7.93

**(2 Port) B2 DSS 20 MHz 9to1 1 Carrier + LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier [3 Carrier]**

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1 945.00	8.19
		Middle	1 960.00	8.11
		High	1 975.00	8.07
	16QAM	Low	1 945.00	8.20
		Middle	1 960.00	8.10
		High	1 975.00	8.05
	64QAM	Low	1 945.00	8.20
		Middle	1 960.00	8.10
		High	1 975.00	8.09
	256QAM	Low	1 945.00	8.21
		Middle	1 960.00	8.09
		High	1 975.00	8.10
1	QPSK	Low	1 945.00	8.20
		Middle	1 960.00	8.11
		High	1 975.00	8.06
	16QAM	Low	1 945.00	8.14
		Middle	1 960.00	8.07
		High	1 975.00	8.07
	64QAM	Low	1 945.00	8.21
		Middle	1 960.00	8.11
		High	1 975.00	8.08
	256QAM	Low	1 945.00	8.19
		Middle	1 960.00	8.08
		High	1 975.00	8.07

**(4 Port) B2 DSS 20 MHz 9to1 1 Carrier + LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier [3 Carrier]**

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1 945.00	8.42
		Middle	1 960.00	8.38
		High	1 975.00	8.45
	16QAM	Low	1 945.00	8.41
		Middle	1 960.00	8.41
		High	1 975.00	8.34
	64QAM	Low	1 945.00	8.39
		Middle	1 960.00	8.45
		High	1 975.00	8.42
	256QAM	Low	1 945.00	8.39
		Middle	1 960.00	8.43
		High	1 975.00	8.42
1	QPSK	Low	1 945.00	8.48
		Middle	1 960.00	8.37
		High	1 975.00	8.46
	16QAM	Low	1 945.00	8.40
		Middle	1 960.00	8.39
		High	1 975.00	8.38
	64QAM	Low	1 945.00	8.42
		Middle	1 960.00	8.35
		High	1 975.00	8.40
	256QAM	Low	1 945.00	8.45
		Middle	1 960.00	8.38
		High	1 975.00	8.46

2	QPSK	Low	1 945.00	8.21
		Middle	1 960.00	8.40
		High	1 975.00	8.14
	16QAM	Low	1 945.00	8.17
		Middle	1 960.00	8.12
		High	1 975.00	8.13
	64QAM	Low	1 945.00	8.20
		Middle	1 960.00	8.27
		High	1 975.00	8.14
256QAM	Low	1 945.00	8.19	
	Middle	1 960.00	8.40	
	High	1 975.00	8.14	
3	QPSK	Low	1 945.00	8.20
		Middle	1 960.00	8.43
		High	1 975.00	8.09
	16QAM	Low	1 945.00	8.21
		Middle	1 960.00	8.10
		High	1 975.00	8.10
	64QAM	Low	1 945.00	8.23
		Middle	1 960.00	8.35
		High	1 975.00	8.09
256QAM	Low	1 945.00	8.23	
	Middle	1 960.00	8.39	
	High	1 975.00	8.10	

## (2 Port) LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier [3 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1 937.50	7.95
		Middle	1 960.00	7.96
		High	1 982.50	7.94
	16QAM	Low	1 937.50	7.94
		Middle	1 960.00	7.98
		High	1 982.50	7.95
	64QAM	Low	1 937.50	7.93
		Middle	1 960.00	7.99
		High	1 982.50	7.95
	256QAM	Low	1 937.50	7.94
		Middle	1 960.00	7.97
		High	1 982.50	7.94
1	QPSK	Low	1 937.50	7.96
		Middle	1 960.00	7.99
		High	1 982.50	7.94
	16QAM	Low	1 937.50	7.93
		Middle	1 960.00	7.98
		High	1 982.50	7.95
	64QAM	Low	1 937.50	7.95
		Middle	1 960.00	8.02
		High	1 982.50	7.97
	256QAM	Low	1 937.50	7.91
		Middle	1 960.00	7.96
		High	1 982.50	7.93

## (2 Port) LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier + 5G NR n2 20 MHz 1 Carrier [3 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1 945.00	8.07
		Middle	1 960.00	7.97
		High	1 975.00	7.93
	16QAM	Low	1 945.00	8.07
		Middle	1 960.00	7.98
		High	1 975.00	7.94
	64QAM	Low	1 945.00	8.09
		Middle	1 960.00	7.96
		High	1 975.00	7.93
	256QAM	Low	1 945.00	8.06
		Middle	1 960.00	7.97
		High	1 975.00	7.95
1	QPSK	Low	1 945.00	8.08
		Middle	1 960.00	7.95
		High	1 975.00	7.93
	16QAM	Low	1 945.00	8.05
		Middle	1 960.00	7.95
		High	1 975.00	7.91
	64QAM	Low	1 945.00	8.07
		Middle	1 960.00	7.95
		High	1 975.00	7.92
	256QAM	Low	1 945.00	8.08
		Middle	1 960.00	7.95
		High	1 975.00	7.91

## (4 Port) LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier [3 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1 937.50	7.87
		Middle	1 960.00	7.95
		High	1 982.50	7.92
	16QAM	Low	1 937.50	7.94
		Middle	1 960.00	7.96
		High	1 982.50	7.95
	64QAM	Low	1 937.50	7.94
		Middle	1 960.00	7.97
		High	1 982.50	7.93
	256QAM	Low	1 937.50	7.96
		Middle	1 960.00	7.96
		High	1 982.50	7.93
1	QPSK	Low	1 937.50	7.95
		Middle	1 960.00	7.98
		High	1 982.50	7.93
	16QAM	Low	1 937.50	7.94
		Middle	1 960.00	7.96
		High	1 982.50	7.95
	64QAM	Low	1 937.50	7.94
		Middle	1 960.00	7.97
		High	1 982.50	7.95
	256QAM	Low	1 937.50	7.91
		Middle	1 960.00	7.95
		High	1 982.50	7.94

2	QPSK	Low	1 937.50	7.92
		Middle	1 960.00	7.98
		High	1 982.50	7.96
	16QAM	Low	1 937.50	7.95
		Middle	1 960.00	8.00
		High	1 982.50	7.97
	64QAM	Low	1 937.50	7.94
		Middle	1 960.00	8.00
		High	1 982.50	7.98
256QAM	Low	1 937.50	7.92	
	Middle	1 960.00	7.98	
	High	1 982.50	7.94	
3	QPSK	Low	1 937.50	7.93
		Middle	1 960.00	7.99
		High	1 982.50	7.95
	16QAM	Low	1 937.50	7.94
		Middle	1 960.00	7.97
		High	1 982.50	7.95
	64QAM	Low	1 937.50	7.95
		Middle	1 960.00	8.00
		High	1 982.50	7.95
256QAM	Low	1 937.50	7.96	
	Middle	1 960.00	7.98	
	High	1 982.50	7.95	

## (4 Port) LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier + 5G NR n2 20 MHz 1 Carrier [3 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1 945.00	8.10
		Middle	1 960.00	7.99
		High	1 975.00	7.96
	16QAM	Low	1 945.00	8.12
		Middle	1 960.00	8.01
		High	1 975.00	7.94
	64QAM	Low	1 945.00	8.10
		Middle	1 960.00	7.98
		High	1 975.00	7.97
	256QAM	Low	1 945.00	8.13
		Middle	1 960.00	8.00
		High	1 975.00	7.96
1	QPSK	Low	1 945.00	8.10
		Middle	1 960.00	7.99
		High	1 975.00	7.95
	16QAM	Low	1 945.00	8.09
		Middle	1 960.00	7.95
		High	1 975.00	7.94
	64QAM	Low	1 945.00	8.08
		Middle	1 960.00	7.98
		High	1 975.00	7.94
	256QAM	Low	1 945.00	8.10
		Middle	1 960.00	7.98
		High	1 975.00	7.96

2	QPSK	Low	1 945.00	8.11
		Middle	1 960.00	8.02
		High	1 975.00	7.99
	16QAM	Low	1 945.00	8.07
		Middle	1 960.00	8.03
		High	1 975.00	8.00
	64QAM	Low	1 945.00	8.13
		Middle	1 960.00	8.01
		High	1 975.00	7.96
	256QAM	Low	1 945.00	8.11
		Middle	1 960.00	8.02
		High	1 975.00	8.01
3	QPSK	Low	1 945.00	8.09
		Middle	1 960.00	8.01
		High	1 975.00	7.96
	16QAM	Low	1 945.00	8.09
		Middle	1 960.00	8.01
		High	1 975.00	7.96
	64QAM	Low	1 945.00	8.07
		Middle	1 960.00	7.97
		High	1 975.00	7.96
	256QAM	Low	1 945.00	8.11
		Middle	1 960.00	7.99
		High	1 975.00	7.99

(2 Port) B66 DSS 20 MHz 9to1 1 Carrier + LTE B66 10 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier  
 [4 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 130.00	8.15
		Middle	2 145.00	8.12
		High	2 160.00	8.35
	16QAM	Low	2 130.00	8.11
		Middle	2 145.00	8.08
		High	2 160.00	8.09
	64QAM	Low	2 130.00	8.15
		Middle	2 145.00	8.11
		High	2 160.00	8.10
	256QAM	Low	2 130.00	8.16
		Middle	2 145.00	8.10
		High	2 160.00	8.10
1	QPSK	Low	2 130.00	8.14
		Middle	2 145.00	8.08
		High	2 160.00	8.09
	16QAM	Low	2 130.00	8.13
		Middle	2 145.00	8.08
		High	2 160.00	8.07
	64QAM	Low	2 130.00	8.11
		Middle	2 145.00	8.10
		High	2 160.00	8.10
	256QAM	Low	2 130.00	8.13
		Middle	2 145.00	8.09
		High	2 160.00	8.11

(4 Port) B66 DSS 20 MHz 9to1 1 Carrier + LTE B66 10 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier  
 [4 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 130.00	8.38
		Middle	2 145.00	8.35
		High	2 160.00	8.35
	16QAM	Low	2 130.00	8.37
		Middle	2 145.00	8.31
		High	2 160.00	8.35
	64QAM	Low	2 130.00	8.42
		Middle	2 145.00	8.39
		High	2 160.00	8.37
	256QAM	Low	2 130.00	8.38
		Middle	2 145.00	8.37
		High	2 160.00	8.37
1	QPSK	Low	2 130.00	8.34
		Middle	2 145.00	8.40
		High	2 160.00	8.39
	16QAM	Low	2 130.00	8.32
		Middle	2 145.00	8.34
		High	2 160.00	8.33
	64QAM	Low	2 130.00	8.38
		Middle	2 145.00	8.37
		High	2 160.00	8.37
	256QAM	Low	2 130.00	8.38
		Middle	2 145.00	8.39
		High	2 160.00	8.40

2	QPSK	Low	2 130.00	8.14
		Middle	2 145.00	8.12
		High	2 160.00	8.05
	16QAM	Low	2 130.00	8.13
		Middle	2 145.00	8.07
		High	2 160.00	8.07
	64QAM	Low	2 130.00	8.13
		Middle	2 145.00	8.12
		High	2 160.00	8.09
256QAM	Low	2 130.00	8.13	
	Middle	2 145.00	8.11	
	High	2 160.00	8.08	
3	QPSK	Low	2 130.00	8.15
		Middle	2 145.00	8.09
		High	2 160.00	8.08
	16QAM	Low	2 130.00	8.10
		Middle	2 145.00	8.11
		High	2 160.00	8.07
	64QAM	Low	2 130.00	8.13
		Middle	2 145.00	8.09
		High	2 160.00	8.10
256QAM	Low	2 130.00	8.19	
	Middle	2 145.00	8.11	
	High	2 160.00	8.11	

**(2 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [4 Carrier]**

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 120.00	8.01
		Middle	2 145.00	8.02
		High	2 170.00	8.01
	16QAM	Low	2 120.00	8.02
		Middle	2 145.00	8.02
		High	2 170.00	8.02
	64QAM	Low	2 120.00	8.03
		Middle	2 145.00	8.03
		High	2 170.00	8.02
	256QAM	Low	2 120.00	8.02
		Middle	2 145.00	8.02
		High	2 170.00	7.99
1	QPSK	Low	2 120.00	7.99
		Middle	2 145.00	8.03
		High	2 170.00	8.03
	16QAM	Low	2 120.00	8.00
		Middle	2 145.00	8.01
		High	2 170.00	8.03
	64QAM	Low	2 120.00	8.02
		Middle	2 145.00	8.04
		High	2 170.00	8.01
	256QAM	Low	2 120.00	7.99
		Middle	2 145.00	7.99
		High	2 170.00	8.02

(2 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier  
 [4 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 130.00	8.13
		Middle	2 145.00	8.03
		High	2 160.00	8.04
	16QAM	Low	2 130.00	8.09
		Middle	2 145.00	8.00
		High	2 160.00	8.02
	64QAM	Low	2 130.00	8.10
		Middle	2 145.00	8.02
		High	2 160.00	8.00
	256QAM	Low	2 130.00	8.12
		Middle	2 145.00	8.03
		High	2 160.00	8.04
1	QPSK	Low	2 130.00	8.10
		Middle	2 145.00	8.03
		High	2 160.00	8.04
	16QAM	Low	2 130.00	8.08
		Middle	2 145.00	8.01
		High	2 160.00	8.03
	64QAM	Low	2 130.00	8.09
		Middle	2 145.00	8.00
		High	2 160.00	8.03
	256QAM	Low	2 130.00	8.12
		Middle	2 145.00	8.02
		High	2 160.00	8.03

**(4 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [4 Carrier]**

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 120.00	8.01
		Middle	2 145.00	7.91
		High	2 170.00	7.88
	16QAM	Low	2 120.00	8.05
		Middle	2 145.00	8.03
		High	2 170.00	7.96
	64QAM	Low	2 120.00	8.05
		Middle	2 145.00	8.00
		High	2 170.00	7.87
	256QAM	Low	2 120.00	7.95
		Middle	2 145.00	7.96
		High	2 170.00	7.87
1	QPSK	Low	2 120.00	8.02
		Middle	2 145.00	8.01
		High	2 170.00	7.98
	16QAM	Low	2 120.00	8.04
		Middle	2 145.00	8.03
		High	2 170.00	8.00
	64QAM	Low	2 120.00	8.03
		Middle	2 145.00	8.00
		High	2 170.00	7.97
	256QAM	Low	2 120.00	8.01
		Middle	2 145.00	8.01
		High	2 170.00	7.95

2	QPSK	Low	2 120.00	7.94
		Middle	2 145.00	7.96
		High	2 170.00	7.99
	16QAM	Low	2 120.00	7.98
		Middle	2 145.00	7.98
		High	2 170.00	7.98
	64QAM	Low	2 120.00	7.94
		Middle	2 145.00	7.98
		High	2 170.00	7.96
	256QAM	Low	2 120.00	7.96
		Middle	2 145.00	7.94
		High	2 170.00	7.94
3	QPSK	Low	2 120.00	8.01
		Middle	2 145.00	7.99
		High	2 170.00	7.97
	16QAM	Low	2 120.00	8.00
		Middle	2 145.00	7.97
		High	2 170.00	7.98
	64QAM	Low	2 120.00	7.98
		Middle	2 145.00	7.96
		High	2 170.00	7.99
	256QAM	Low	2 120.00	7.99
		Middle	2 145.00	7.99
		High	2 170.00	7.97

(4 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier  
 [4 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2 130.00	8.07
		Middle	2 145.00	8.01
		High	2 160.00	8.04
	16QAM	Low	2 130.00	8.09
		Middle	2 145.00	8.03
		High	2 160.00	8.07
	64QAM	Low	2 130.00	8.08
		Middle	2 145.00	8.01
		High	2 160.00	8.08
	256QAM	Low	2 130.00	8.10
		Middle	2 145.00	8.03
		High	2 160.00	8.06
1	QPSK	Low	2 130.00	8.11
		Middle	2 145.00	8.06
		High	2 160.00	8.07
	16QAM	Low	2 130.00	8.07
		Middle	2 145.00	8.07
		High	2 160.00	8.07
	64QAM	Low	2 130.00	8.08
		Middle	2 145.00	8.04
		High	2 160.00	8.04
	256QAM	Low	2 130.00	8.09
		Middle	2 145.00	8.06
		High	2 160.00	8.04

2	QPSK	Low	2 130.00	8.11
		Middle	2 145.00	7.96
		High	2 160.00	8.00
	16QAM	Low	2 130.00	8.03
		Middle	2 145.00	7.95
		High	2 160.00	7.97
	64QAM	Low	2 130.00	8.07
		Middle	2 145.00	7.94
		High	2 160.00	7.99
	256QAM	Low	2 130.00	8.04
		Middle	2 145.00	7.96
		High	2 160.00	8.01
3	QPSK	Low	2 130.00	8.09
		Middle	2 145.00	7.98
		High	2 160.00	8.01
	16QAM	Low	2 130.00	8.07
		Middle	2 145.00	7.99
		High	2 160.00	8.02
	64QAM	Low	2 130.00	8.02
		Middle	2 145.00	7.98
		High	2 160.00	8.00
	256QAM	Low	2 130.00	8.06
		Middle	2 145.00	7.97
		High	2 160.00	8.03

**Tabular data of Non-Contiguous PAPR**
**(2 Port) B2 DSS 10 MHz 9to1 1 Carrier + LTE B2 5 MHz 1 Carrier [2 Carrier]**

Ant.	Modulation	B2 DSS 10 MHz 9to1		LTE B2 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	1 932.50	8.15	1 985.00	8.16
	16QAM	1 932.50	8.21	1 985.00	8.05
	64QAM	1 932.50	8.18	1 985.00	8.15
	256QAM	1 932.50	8.20	1 985.00	8.15
1	QPSK	1 932.50	8.18	1 985.00	8.14
	16QAM	1 932.50	8.23	1 985.00	8.09
	64QAM	1 932.50	8.17	1 985.00	8.14
	256QAM	1 932.50	8.19	1 985.00	8.14

**(4 Port) B2 DSS 10 MHz 9to1 1 Carrier + LTE B2 5 MHz 1 Carrier [2 Carrier]**

Ant.	Modulation	B2 DSS 10 MHz 9to1		LTE B2 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	1 932.50	8.25	1 985.00	8.40
	16QAM	1 932.50	8.29	1 985.00	8.35
	64QAM	1 932.50	8.34	1 985.00	8.40
	256QAM	1 932.50	8.33	1 985.00	8.39
1	QPSK	1 932.50	8.32	1 985.00	8.42
	16QAM	1 932.50	8.29	1 985.00	8.35
	64QAM	1 932.50	8.37	1 985.00	8.36
	256QAM	1 932.50	8.35	1 985.00	8.42
2	QPSK	1 932.50	8.18	1 985.00	8.17
	16QAM	1 932.50	8.23	1 985.00	8.15
	64QAM	1 932.50	8.24	1 985.00	8.16
	256QAM	1 932.50	8.20	1 985.00	8.18
3	QPSK	1 932.50	8.24	1 985.00	8.13
	16QAM	1 932.50	8.22	1 985.00	8.06
	64QAM	1 932.50	8.22	1 985.00	8.15
	256QAM	1 932.50	8.21	1 985.00	8.16

**(2 Port) LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier [2 Carrier]**

Ant.	Modulation	LTE B2 5 MHz		5G NR n2 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	1 932.50	8.06	1 987.50	8.13
	16QAM	1 932.50	8.08	1 987.50	8.34
	64QAM	1 932.50	8.17	1 987.50	8.08
	256QAM	1 932.50	8.10	1 987.50	8.21
1	QPSK	1 932.50	8.04	1 987.50	8.14
	16QAM	1 932.50	8.09	1 987.50	8.33
	64QAM	1 932.50	8.22	1 987.50	8.08
	256QAM	1 932.50	8.16	1 987.50	8.26

**(2 Port) LTE B2 10 MHz 1 Carrier + 5G NR n2 20 MHz 1 Carrier [2 Carrier]**

Ant.	Modulation	LTE B2 10 MHz		5G NR n2 20 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	1 935.00	8.25	1 980.00	8.14
	16QAM	1 935.00	8.39	1 980.00	8.11
	64QAM	1 935.00	8.24	1 980.00	8.04
	256QAM	1 935.00	8.29	1 980.00	8.10
1	QPSK	1 935.00	8.26	1 980.00	8.12
	16QAM	1 935.00	8.32	1 980.00	8.10
	64QAM	1 935.00	8.19	1 980.00	8.07
	256QAM	1 935.00	8.27	1 980.00	8.14

**(4 Port) LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier [2 Carrier]**

Ant.	Modulation	LTE B2 5 MHz		5G NR n2 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	1 932.50	8.07	1 987.50	8.16
	16QAM	1 932.50	8.00	1 987.50	8.25
	64QAM	1 932.50	8.14	1 987.50	8.07
	256QAM	1 932.50	8.17	1 987.50	8.25
1	QPSK	1 932.50	8.06	1 987.50	8.21
	16QAM	1 932.50	8.06	1 987.50	8.28
	64QAM	1 932.50	8.19	1 987.50	8.05
	256QAM	1 932.50	8.14	1 987.50	8.25
2	QPSK	1 932.50	8.09	1 987.50	8.23
	16QAM	1 932.50	8.06	1 987.50	8.31
	64QAM	1 932.50	8.14	1 987.50	8.08
	256QAM	1 932.50	8.14	1 987.50	8.27
3	QPSK	1 932.50	8.08	1 987.50	8.19
	16QAM	1 932.50	8.07	1 987.50	8.30
	64QAM	1 932.50	8.15	1 987.50	8.09
	256QAM	1 932.50	8.19	1 987.50	8.20

(4 Port) LTE B2 10 MHz 1 Carrier + 5G NR n2 20 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	LTE B2 10 MHz		5G NR n2 20 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	1 935.00	8.20	1 980.00	8.10
	16QAM	1 935.00	8.42	1 980.00	8.02
	64QAM	1 935.00	8.21	1 980.00	7.99
	256QAM	1 935.00	8.32	1 980.00	8.10
1	QPSK	1 935.00	8.22	1 980.00	8.05
	16QAM	1 935.00	8.29	1 980.00	8.05
	64QAM	1 935.00	8.16	1 980.00	8.00
	256QAM	1 935.00	8.29	1 980.00	8.08
2	QPSK	1 935.00	8.23	1 980.00	8.13
	16QAM	1 935.00	8.36	1 980.00	8.12
	64QAM	1 935.00	8.20	1 980.00	8.07
	256QAM	1 935.00	8.30	1 980.00	8.11
3	QPSK	1 935.00	8.20	1 980.00	8.14
	16QAM	1 935.00	8.31	1 980.00	8.14
	64QAM	1 935.00	8.28	1 980.00	8.09
	256QAM	1 935.00	8.29	1 980.00	8.14

**(2 Port) B66 DSS 10 MHz 9to1 1 Carrier + LTE B66 5 MHz 1 Carrier [2 Carrier]**

Ant.	Modulation	B66 DSS 10 MHz 9to1		LTE B66 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	2 115.00	8.09	2 177.50	8.19
	16QAM	2 115.00	7.99	2 177.50	8.20
	64QAM	2 115.00	8.05	2 177.50	8.15
	256QAM	2 115.00	8.08	2 177.50	8.21
1	QPSK	2 115.00	8.10	2 177.50	8.15
	16QAM	2 115.00	7.98	2 177.50	8.25
	64QAM	2 115.00	8.05	2 177.50	8.19
	256QAM	2 115.00	8.09	2 177.50	8.19

**(4 Port) B66 DSS 10 MHz 9to1 1 Carrier + LTE B66 5 MHz 1 Carrier [2 Carrier]**

Ant.	Modulation	B66 DSS 10 MHz 9to1		LTE B66 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	2 115.00	8.32	2 177.50	8.29
	16QAM	2 115.00	8.25	2 177.50	8.31
	64QAM	2 115.00	8.32	2 177.50	8.41
	256QAM	2 115.00	8.39	2 177.50	8.36
1	QPSK	2 115.00	8.31	2 177.50	8.31
	16QAM	2 115.00	8.30	2 177.50	8.28
	64QAM	2 115.00	8.36	2 177.50	8.43
	256QAM	2 115.00	8.34	2 177.50	8.35
2	QPSK	2 115.00	8.02	2 177.50	8.32
	16QAM	2 115.00	7.96	2 177.50	8.21
	64QAM	2 115.00	8.02	2 177.50	8.34
	256QAM	2 115.00	8.01	2 177.50	8.28
3	QPSK	2 115.00	8.06	2 177.50	8.31
	16QAM	2 115.00	8.00	2 177.50	8.23
	64QAM	2 115.00	8.06	2 177.50	8.36
	256QAM	2 115.00	8.05	2 177.50	8.29

**(2 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [2 Carrier]**

Ant.	Modulation	LTE B66 5 MHz		5G NR n66 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	2 112.50	8.11	2 177.50	8.20
	16QAM	2 112.50	8.06	2 177.50	8.27
	64QAM	2 112.50	8.22	2 177.50	8.06
	256QAM	2 112.50	8.19	2 177.50	8.24
1	QPSK	2 112.50	8.09	2 177.50	8.13
	16QAM	2 112.50	8.05	2 177.50	8.25
	64QAM	2 112.50	8.22	2 177.50	8.04
	256QAM	2 112.50	8.20	2 177.50	8.23

**(2 Port) LTE B66 20 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [2 Carrier]**

Ant.	Modulation	LTE B66 20 MHz		5G NR n66 20 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	2 120.00	8.24	2 170.00	8.23
	16QAM	2 120.00	8.23	2 170.00	8.21
	64QAM	2 120.00	8.22	2 170.00	8.18
	256QAM	2 120.00	8.31	2 170.00	8.25
1	QPSK	2 120.00	8.24	2 170.00	8.25
	16QAM	2 120.00	8.23	2 170.00	8.25
	64QAM	2 120.00	8.20	2 170.00	8.20
	256QAM	2 120.00	8.29	2 170.00	8.21

**(4 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier [2 Carrier]**

Ant.	Modulation	LTE B66 5 MHz		5G NR n66 10 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	2 112.50	8.23	2 175.00	7.98
	16QAM	2 112.50	8.13	2 175.00	8.00
	64QAM	2 112.50	8.33	2 175.00	8.01
	256QAM	2 112.50	8.23	2 175.00	8.02
1	QPSK	2 112.50	8.20	2 175.00	7.96
	16QAM	2 112.50	8.13	2 175.00	7.96
	64QAM	2 112.50	8.34	2 175.00	8.04
	256QAM	2 112.50	8.29	2 175.00	8.02
2	QPSK	2 112.50	8.20	2 175.00	7.97
	16QAM	2 112.50	8.13	2 175.00	8.00
	64QAM	2 112.50	8.29	2 175.00	8.01
	256QAM	2 112.50	8.23	2 175.00	8.00
3	QPSK	2 112.50	8.16	2 175.00	7.94
	16QAM	2 112.50	8.15	2 175.00	7.99
	64QAM	2 112.50	8.30	2 175.00	8.02
	256QAM	2 112.50	8.24	2 175.00	8.01

**(4 Port) LTE B66 20 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [2 Carrier]**

Ant.	Modulation	LTE B66 20 MHz		5G NR n66 20 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	2 120.00	8.28	2 170.00	8.27
	16QAM	2 120.00	8.25	2 170.00	8.19
	64QAM	2 120.00	8.27	2 170.00	8.27
	256QAM	2 120.00	8.28	2 170.00	8.30
1	QPSK	2 120.00	8.30	2 170.00	8.27
	16QAM	2 120.00	8.23	2 170.00	8.18
	64QAM	2 120.00	8.29	2 170.00	8.26
	256QAM	2 120.00	8.28	2 170.00	8.30
2	QPSK	2 120.00	8.22	2 170.00	8.23
	16QAM	2 120.00	8.13	2 170.00	8.21
	64QAM	2 120.00	8.19	2 170.00	8.19
	256QAM	2 120.00	8.21	2 170.00	8.19
3	QPSK	2 120.00	8.27	2 170.00	8.28
	16QAM	2 120.00	8.15	2 170.00	8.21
	64QAM	2 120.00	8.22	2 170.00	8.26
	256QAM	2 120.00	8.20	2 170.00	8.26

**(2 Port) B2 DSS 20 MHz 9to1 1 Carrier + LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier [3 Carrier] (1C+2C)**

Ant.	Modulation	B2 DSS 20 MHz 9to1		LTE B2 5 MHz + LTE B2 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	1 940.00	8.03	1 985.00	8.34
	16QAM	1 940.00	8.04	1 985.00	8.36
	64QAM	1 940.00	8.04	1 985.00	8.39
	256QAM	1 940.00	8.02	1 985.00	8.32
1	QPSK	1 940.00	8.02	1 985.00	8.29
	16QAM	1 940.00	8.02	1 985.00	8.29
	64QAM	1 940.00	8.04	1 985.00	8.29
	256QAM	1 940.00	8.04	1 985.00	8.38

**(2 Port) B2 DSS 20 MHz 9to1 1 Carrier + LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier [3 Carrier] (2C+1C)**

Ant.	Modulation	B2 DSS 20 MHz 9to1 + LTE B2 5 MHz		LTE B2 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	1 935.00	8.32	1 980.00	8.29
	16QAM	1 935.00	8.39	1 980.00	8.17
	64QAM	1 935.00	8.34	1 980.00	8.28
	256QAM	1 935.00	8.38	1 980.00	8.28
1	QPSK	1 935.00	8.31	1 980.00	8.20
	16QAM	1 935.00	8.37	1 980.00	8.17
	64QAM	1 935.00	8.31	1 980.00	8.26
	256QAM	1 935.00	8.29	1 980.00	8.29

**(4 Port) B2 DSS 20 MHz 9to1 1 Carrier + LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier [3 Carrier] (1C+2C)**

Ant.	Modulation	B2 DSS 20 MHz 9to1		LTE B2 5 MHz + LTE B2 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	1 940.00	8.43	1 985.00	8.44
	16QAM	1 940.00	8.36	1 985.00	8.44
	64QAM	1 940.00	8.45	1 985.00	8.43
	256QAM	1 940.00	8.43	1 985.00	8.48
1	QPSK	1 940.00	8.47	1 985.00	8.37
	16QAM	1 940.00	8.41	1 985.00	8.44
	64QAM	1 940.00	8.40	1 985.00	8.35
	256QAM	1 940.00	8.41	1 985.00	8.38
2	QPSK	1 940.00	8.10	1 985.00	8.25
	16QAM	1 940.00	8.05	1 985.00	8.25
	64QAM	1 940.00	8.14	1 985.00	8.34
	256QAM	1 940.00	8.13	1 985.00	8.24
3	QPSK	1 940.00	8.10	1 985.00	8.24
	16QAM	1 940.00	8.03	1 985.00	8.29
	64QAM	1 940.00	8.06	1 985.00	8.25
	256QAM	1 940.00	8.11	1 985.00	8.27

**(4 Port) B2 DSS 20 MHz 9to1 1 Carrier + LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier [3 Carrier] (2C+1C)**

Ant.	Modulation	B2 DSS 20 MHz 9to1 + LTE B2 5 MHz		LTE B2 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	1 935.00	8.35	1 980.00	8.46
	16QAM	1 935.00	8.41	1 980.00	8.43
	64QAM	1 935.00	8.34	1 980.00	8.43
	256QAM	1 935.00	8.38	1 980.00	8.44
1	QPSK	1 935.00	8.41	1 980.00	8.40
	16QAM	1 935.00	8.40	1 980.00	8.42
	64QAM	1 935.00	8.40	1 980.00	8.46
	256QAM	1 935.00	8.38	1 980.00	8.43
2	QPSK	1 935.00	8.31	1 980.00	8.25
	16QAM	1 935.00	8.31	1 980.00	8.28
	64QAM	1 935.00	8.39	1 980.00	8.23
	256QAM	1 935.00	8.37	1 980.00	8.27
3	QPSK	1 935.00	8.29	1 980.00	8.27
	16QAM	1 935.00	8.36	1 980.00	8.23
	64QAM	1 935.00	8.30	1 980.00	8.27
	256QAM	1 935.00	8.27	1 980.00	8.27

**(2 Port) LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier [3 Carrier] (1C+2C)**

Ant.	Modulation	LTE B2 5 MHz		LTE B2 5 MHz + 5G NR n2 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	1 932.50	8.20	1 985.00	8.09
	16QAM	1 932.50	8.15	1 985.00	8.07
	64QAM	1 932.50	8.30	1 985.00	8.03
	256QAM	1 932.50	8.21	1 985.00	8.07
1	QPSK	1 932.50	8.21	1 985.00	8.11
	16QAM	1 932.50	8.14	1 985.00	8.05
	64QAM	1 932.50	8.30	1 985.00	8.02
	256QAM	1 932.50	8.23	1 985.00	8.06

**(2 Port) LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier [3 Carrier] (2C+1C)**

Ant.	Modulation	LTE B2 5 MHz + LTE B2 5 MHz		5G NR n2 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	1 935.00	7.99	1 987.50	8.27
	16QAM	1 935.00	7.96	1 987.50	8.34
	64QAM	1 935.00	8.00	1 987.50	8.12
	256QAM	1 935.00	7.98	1 987.50	8.29
1	QPSK	1 935.00	7.95	1 987.50	8.25
	16QAM	1 935.00	8.00	1 987.50	8.36
	64QAM	1 935.00	8.02	1 987.50	8.09
	256QAM	1 935.00	8.02	1 987.50	8.37

**(2 Port) LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier + 5G NR n2 20 MHz 1 Carrier [3 Carrier] (1C+2C)**

Ant.	Modulation	LTE B2 5 MHz		LTE B2 5 MHz + 5G NR n2 20 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	1 932.50	8.32	1 977.50	7.96
	16QAM	1 932.50	8.24	1 977.50	7.93
	64QAM	1 932.50	8.44	1 977.50	7.94
	256QAM	1 932.50	8.32	1 977.50	7.92
1	QPSK	1 932.50	8.27	1 977.50	7.93
	16QAM	1 932.50	8.21	1 977.50	7.93
	64QAM	1 932.50	8.46	1 977.50	7.92
	256QAM	1 932.50	8.33	1 977.50	7.92

**(2 Port) LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier + 5G NR n2 20 MHz 1 Carrier [3 Carrier] (2C+1C)**

Ant.	Modulation	LTE B2 5 MHz + LTE B2 5 MHz		5G NR n2 20 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	1 942.50	7.99	1 987.50	8.32
	16QAM	1 942.50	7.95	1 987.50	8.29
	64QAM	1 942.50	7.96	1 987.50	8.43
	256QAM	1 942.50	7.98	1 987.50	8.26
1	QPSK	1 942.50	7.99	1 987.50	8.36
	16QAM	1 942.50	7.99	1 987.50	8.31
	64QAM	1 942.50	7.91	1 987.50	8.41
	256QAM	1 942.50	7.98	1 987.50	8.25

**(4 Port) LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier [3 Carrier] (1C+2C)**

Ant.	Modulation	LTE B2 5 MHz		LTE B2 5 MHz + 5G NR n2 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	1 932.50	8.24	1 985.00	7.99
	16QAM	1 932.50	8.21	1 985.00	8.07
	64QAM	1 932.50	8.32	1 985.00	8.07
	256QAM	1 932.50	8.22	1 985.00	8.00
1	QPSK	1 932.50	8.17	1 985.00	8.04
	16QAM	1 932.50	8.15	1 985.00	8.10
	64QAM	1 932.50	8.30	1 985.00	8.02
	256QAM	1 932.50	8.25	1 985.00	8.02
2	QPSK	1 932.50	8.18	1 985.00	7.98
	16QAM	1 932.50	8.19	1 985.00	8.10
	64QAM	1 932.50	8.36	1 985.00	7.97
	256QAM	1 932.50	8.25	1 985.00	8.04
3	QPSK	1 932.50	8.23	1 985.00	7.99
	16QAM	1 932.50	8.16	1 985.00	8.09
	64QAM	1 932.50	8.31	1 985.00	7.99
	256QAM	1 932.50	8.28	1 985.00	8.04

**(4 Port) LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier [3 Carrier] (2C+1C)**

Ant.	Modulation	LTE B2 5 MHz + LTE B2 5 MHz		5G NR n2 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	1 935.00	7.98	1 987.50	8.28
	16QAM	1 935.00	7.99	1 987.50	8.33
	64QAM	1 935.00	7.93	1 987.50	8.09
	256QAM	1 935.00	7.95	1 987.50	8.29
1	QPSK	1 935.00	8.02	1 987.50	8.20
	16QAM	1 935.00	8.04	1 987.50	8.39
	64QAM	1 935.00	7.99	1 987.50	8.08
	256QAM	1 935.00	8.00	1 987.50	8.34
2	QPSK	1 935.00	7.97	1 987.50	8.21
	16QAM	1 935.00	8.06	1 987.50	8.30
	64QAM	1 935.00	7.99	1 987.50	8.16
	256QAM	1 935.00	8.00	1 987.50	8.26
3	QPSK	1 935.00	7.97	1 987.50	8.27
	16QAM	1 935.00	8.02	1 987.50	8.36
	64QAM	1 935.00	8.02	1 987.50	8.13
	256QAM	1 935.00	8.01	1 987.50	8.36

**(4 Port) LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier + 5G NR n2 20 MHz 1 Carrier [3 Carrier] (1C+2C)**

Ant.	Modulation	LTE B2 5 MHz		LTE B2 5 MHz + 5G NR n2 20 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	1 932.50	8.32	1 977.50	7.98
	16QAM	1 932.50	8.23	1 977.50	7.99
	64QAM	1 932.50	8.39	1 977.50	8.00
	256QAM	1 932.50	8.36	1 977.50	8.00
1	QPSK	1 932.50	8.29	1 977.50	7.98
	16QAM	1 932.50	8.24	1 977.50	7.93
	64QAM	1 932.50	8.43	1 977.50	7.95
	256QAM	1 932.50	8.34	1 977.50	8.00
2	QPSK	1 932.50	8.29	1 977.50	8.01
	16QAM	1 932.50	8.23	1 977.50	8.01
	64QAM	1 932.50	8.39	1 977.50	8.01
	256QAM	1 932.50	8.29	1 977.50	8.04
3	QPSK	1 932.50	8.31	1 977.50	8.04
	16QAM	1 932.50	8.21	1 977.50	8.04
	64QAM	1 932.50	8.36	1 977.50	7.97
	256QAM	1 932.50	8.33	1 977.50	8.02

**(4 Port) LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier + 5G NR n2 20 MHz 1 Carrier [3 Carrier] (2C+1C)**

Ant.	Modulation	LTE B2 5 MHz + LTE B2 5 MHz		5G NR n2 20 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	1 942.50	8.01	1 987.50	8.36
	16QAM	1 942.50	7.95	1 987.50	8.31
	64QAM	1 942.50	7.99	1 987.50	8.36
	256QAM	1 942.50	7.99	1 987.50	8.29
1	QPSK	1 942.50	8.06	1 987.50	8.34
	16QAM	1 942.50	7.95	1 987.50	8.25
	64QAM	1 942.50	8.01	1 987.50	8.36
	256QAM	1 942.50	7.98	1 987.50	8.27
2	QPSK	1 942.50	8.03	1 987.50	8.35
	16QAM	1 942.50	8.00	1 987.50	8.28
	64QAM	1 942.50	7.98	1 987.50	8.37
	256QAM	1 942.50	7.96	1 987.50	8.26
3	QPSK	1 942.50	8.01	1 987.50	8.36
	16QAM	1 942.50	8.03	1 987.50	8.27
	64QAM	1 942.50	7.96	1 987.50	8.44
	256QAM	1 942.50	7.99	1 987.50	8.29

**(2 Port) B66 DSS 20 MHz 9to1 1 Carrier + LTE B66 10 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier [4 Carrier] (1C+3C)**

Ant.	Modulation	B66 DSS 20 MHz 9to1		LTE B66 10 MHz + LTE B66 5 MHz + LTE B66 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	2 112.50	8.38	2 162.50	8.05
	16QAM	2 112.50	8.59	2 162.50	8.19
	64QAM	2 112.50	8.38	2 162.50	8.05
	256QAM	2 112.50	8.71	2 162.50	8.15
1	QPSK	2 112.50	8.38	2 162.50	8.07
	16QAM	2 112.50	8.73	2 162.50	8.08
	64QAM	2 112.50	8.35	2 162.50	8.09
	256QAM	2 112.50	8.83	2 162.50	8.20

**(2 Port) B66 DSS 20 MHz 9to1 1 Carrier + LTE B66 10 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier [4 Carrier] (3C+1C)**

Ant.	Modulation	B66 DSS 20 MHz 9to1 + LTE B66 10 MHz + LTE B66 5 MHz		LTE B66 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	2 127.50	8.18	2 177.50	8.62
	16QAM	2 127.50	8.13	2 177.50	8.44
	64QAM	2 127.50	8.24	2 177.50	8.66
	256QAM	2 127.50	8.21	2 177.50	8.73
1	QPSK	2 127.50	8.25	2 177.50	8.82
	16QAM	2 127.50	8.09	2 177.50	8.44
	64QAM	2 127.50	8.25	2 177.50	8.87
	256QAM	2 127.50	8.26	2 177.50	8.62

(4 Port) B66 DSS 20 MHz 9to1 1 Carrier + LTE B66 10 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier  
 [4 Carrier] (1C+3C)

Ant.	Modulation	B66 DSS 20 MHz 9to1		LTE B66 10 MHz + LTE B66 5 MHz + LTE B66 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	2 112.50	8.41	2 162.50	8.38
	16QAM	2 112.50	8.39	2 162.50	8.37
	64QAM	2 112.50	8.45	2 162.50	8.40
	256QAM	2 115.00	8.38	2 177.50	8.31
1	QPSK	2 112.50	8.41	2 162.50	8.40
	16QAM	2 112.50	8.35	2 162.50	8.37
	64QAM	2 112.50	8.45	2 162.50	8.36
	256QAM	2 112.50	8.34	2 162.50	8.36
2	QPSK	2 112.50	8.37	2 162.50	8.02
	16QAM	2 112.50	8.30	2 162.50	8.06
	64QAM	2 112.50	8.41	2 162.50	8.06
	256QAM	2 112.50	8.32	2 162.50	8.04
3	QPSK	2 112.50	8.35	2 162.50	8.06
	16QAM	2 112.50	8.27	2 162.50	8.02
	64QAM	2 112.50	8.41	2 162.50	8.06
	256QAM	2 112.50	8.31	2 162.50	8.06

(4 Port) B66 DSS 20 MHz 9to1 1 Carrier + LTE B66 10 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier  
 [4 Carrier] (3C+1C)

Ant.	Modulation	B66 DSS 20 MHz 9to1 + LTE B66 10 MHz + LTE B66 5 MHz		LTE B66 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	2 127.50	8.39	2 177.50	8.44
	16QAM	2 127.50	8.40	2 177.50	8.35
	64QAM	2 127.50	8.39	2 177.50	8.43
	256QAM	2 112.50	8.41	2 162.50	8.44
1	QPSK	2 127.50	8.40	2 177.50	8.45
	16QAM	2 127.50	8.38	2 177.50	8.34
	64QAM	2 127.50	8.39	2 177.50	8.43
	256QAM	2 127.50	8.40	2 177.50	8.47
2	QPSK	2 127.50	8.11	2 177.50	8.41
	16QAM	2 127.50	8.06	2 177.50	8.32
	64QAM	2 127.50	8.06	2 177.50	8.39
	256QAM	2 127.50	8.06	2 177.50	8.41
3	QPSK	2 127.50	8.09	2 177.50	8.37
	16QAM	2 127.50	8.08	2 177.50	8.33
	64QAM	2 127.50	8.10	2 177.50	8.38
	256QAM	2 127.50	8.08	2 177.50	8.38

**(2 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier  
[4 Carrier] (1C+3C)**

Ant.	Modulation	LTE B66 5 MHz		LTE B66 5 MHz + LTE B66 5 MHz + 5G NR n66 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	2 112.50	8.21	2 172.50	7.99
	16QAM	2 112.50	8.15	2 172.50	7.98
	64QAM	2 112.50	8.38	2 172.50	7.95
	256QAM	2 112.50	8.32	2 172.50	7.94
1	QPSK	2 112.50	8.22	2 172.50	7.96
	16QAM	2 112.50	8.19	2 172.50	7.96
	64QAM	2 112.50	8.37	2 172.50	7.98
	256QAM	2 112.50	8.27	2 172.50	7.96

**(2 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier  
[4 Carrier] (3C+1C)**

Ant.	Modulation	LTE B66 5 MHz + LTE B66 5 MHz + LTE B66 5 MHz		5G NR n66 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	2 117.50	7.95	2 177.50	8.38
	16QAM	2 117.50	7.96	2 177.50	8.21
	64QAM	2 117.50	8.01	2 177.50	8.34
	256QAM	2 117.50	8.02	2 177.50	8.24
1	QPSK	2 117.50	8.00	2 177.50	8.33
	16QAM	2 117.50	7.97	2 177.50	8.22
	64QAM	2 117.50	8.02	2 177.50	8.29
	256QAM	2 117.50	8.01	2 177.50	8.18

**(2 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier  
[4 Carrier] (1C+3C)**

Ant.	Modulation	LTE B66 5 MHz		LTE B66 5 MHz + LTE B66 10 MHz + 5G NR n66 20 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	2 112.50	8.38	2 162.50	8.03
	16QAM	2 112.50	8.28	2 162.50	8.04
	64QAM	2 112.50	8.47	2 162.50	8.03
	256QAM	2 112.50	8.37	2 162.50	8.03
1	QPSK	2 112.50	8.35	2 162.50	8.02
	16QAM	2 112.50	8.27	2 162.50	7.99
	64QAM	2 112.50	8.45	2 162.50	7.98
	256QAM	2 112.50	8.38	2 162.50	8.02

**(2 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier  
[4 Carrier] (3C+1C)**

Ant.	Modulation	LTE B66 5 MHz + LTE B66 5 MHz + LTE B66 10 MHz		5G NR n66 20 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	2 127.50	8.10	2 177.50	8.39
	16QAM	2 127.50	8.09	2 177.50	8.32
	64QAM	2 127.50	8.09	2 177.50	8.48
	256QAM	2 127.50	8.04	2 177.50	8.34
1	QPSK	2 127.50	8.07	2 177.50	8.37
	16QAM	2 127.50	8.07	2 177.50	8.30
	64QAM	2 127.50	8.04	2 177.50	8.43
	256QAM	2 127.50	8.05	2 177.50	8.31

(4 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier  
 [4 Carrier] (1C+3C)

Ant.	Modulation	LTE B66 5 MHz		LTE B66 5 MHz + LTE B66 5 MHz + 5G NR n66 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	2 112.50	8.24	2 172.50	7.93
	16QAM	2 112.50	8.20	2 172.50	7.95
	64QAM	2 112.50	8.37	2 172.50	7.96
	256QAM	2 112.50	8.30	2 172.50	7.90
1	QPSK	2 112.50	8.26	2 172.50	7.91
	16QAM	2 112.50	8.20	2 172.50	7.95
	64QAM	2 112.50	8.36	2 172.50	7.88
	256QAM	2 112.50	8.28	2 172.50	7.95
2	QPSK	2 112.50	8.21	2 172.50	7.91
	16QAM	2 112.50	8.18	2 172.50	7.92
	64QAM	2 112.50	8.34	2 172.50	7.95
	256QAM	2 112.50	8.29	2 172.50	7.87
3	QPSK	2 112.50	8.26	2 172.50	7.92
	16QAM	2 112.50	8.21	2 172.50	7.92
	64QAM	2 112.50	8.33	2 172.50	7.90
	256QAM	2 112.50	8.29	2 172.50	7.92

(4 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier  
 [4 Carrier] (3C+1C)

Ant.	Modulation	LTE B66 5 MHz + LTE B66 5 MHz + LTE B66 5 MHz		5G NR n66 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	2 117.50	8.00	2 177.50	8.40
	16QAM	2 117.50	7.93	2 177.50	8.21
	64QAM	2 117.50	8.01	2 177.50	8.34
	256QAM	2 117.50	7.98	2 177.50	8.24
1	QPSK	2 117.50	8.00	2 177.50	8.41
	16QAM	2 117.50	7.95	2 177.50	8.21
	64QAM	2 117.50	7.99	2 177.50	8.34
	256QAM	2 117.50	7.95	2 177.50	8.23
2	QPSK	2 117.50	7.95	2 177.50	8.39
	16QAM	2 117.50	7.93	2 177.50	8.21
	64QAM	2 117.50	7.97	2 177.50	8.33
	256QAM	2 117.50	7.93	2 177.50	8.22
3	QPSK	2 117.50	7.96	2 177.50	8.38
	16QAM	2 117.50	8.01	2 177.50	8.22
	64QAM	2 117.50	7.96	2 177.50	8.31
	256QAM	2 117.50	8.00	2 177.50	8.19

(4 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier  
 [4 Carrier] (1C+3C)

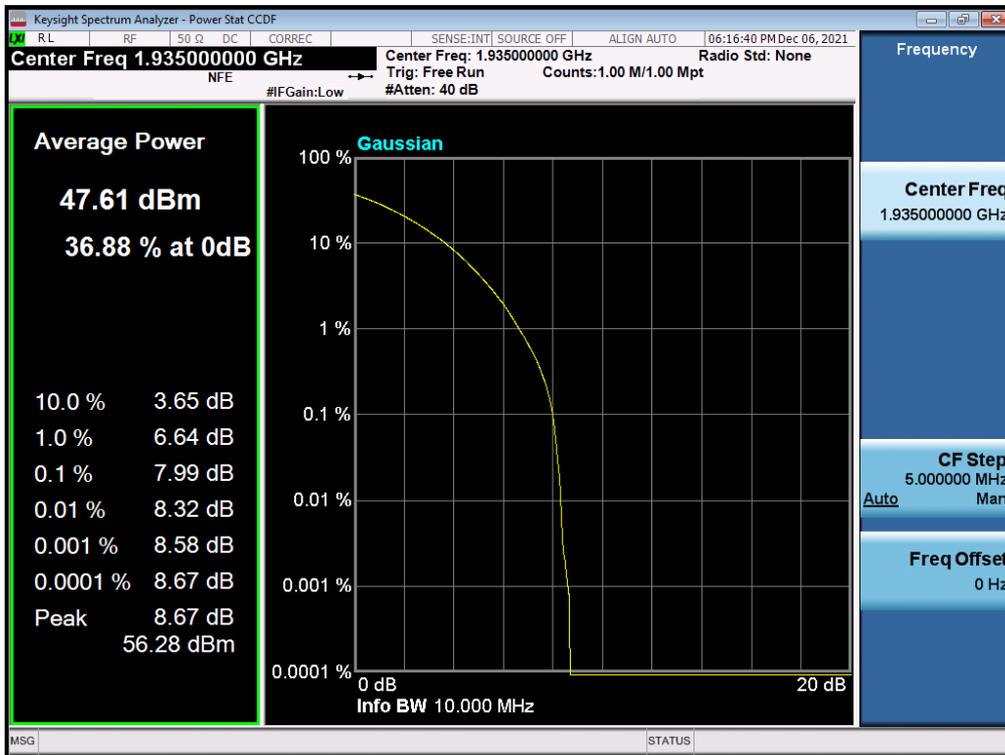
Ant.	Modulation	LTE B66 5 MHz		LTE B66 5 MHz + LTE B66 10 MHz + 5G NR n66 20 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	2 112.50	8.36	2 162.50	8.00
	16QAM	2 112.50	8.29	2 162.50	7.99
	64QAM	2 112.50	8.51	2 162.50	7.99
	256QAM	2 112.50	8.38	2 162.50	7.92
1	QPSK	2 112.50	8.40	2 162.50	7.97
	16QAM	2 112.50	8.32	2 162.50	8.01
	64QAM	2 112.50	8.49	2 162.50	7.95
	256QAM	2 112.50	8.42	2 162.50	7.97
2	QPSK	2 112.50	8.31	2 162.50	7.99
	16QAM	2 112.50	8.27	2 162.50	7.97
	64QAM	2 112.50	8.35	2 162.50	7.93
	256QAM	2 112.50	8.34	2 162.50	7.95
3	QPSK	2 112.50	8.33	2 162.50	7.95
	16QAM	2 112.50	8.22	2 162.50	7.95
	64QAM	2 112.50	8.47	2 162.50	7.99
	256QAM	2 112.50	8.38	2 162.50	7.96

(4 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier  
 [4 Carrier] (3C+1C)

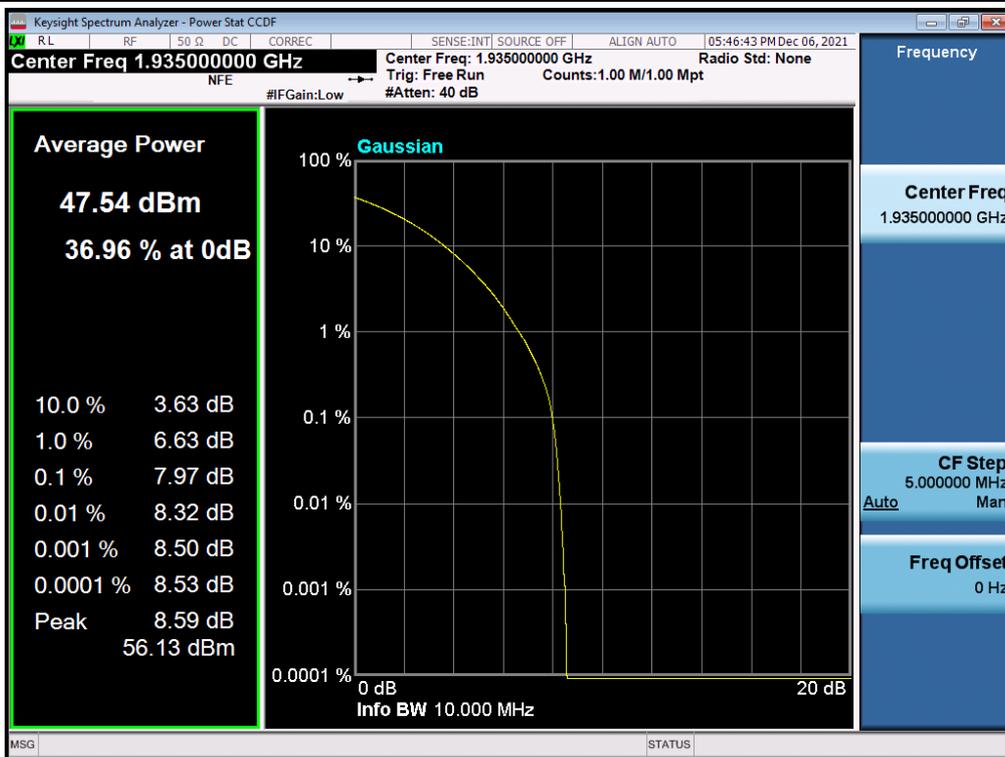
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		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	2 127.50	8.01	2 177.50	8.39
	16QAM	2 127.50	7.99	2 177.50	8.29
	64QAM	2 127.50	8.07	2 177.50	8.41
	256QAM	2 127.50	8.04	2 177.50	8.38
1	QPSK	2 127.50	8.01	2 177.50	8.36
	16QAM	2 127.50	8.03	2 177.50	8.31
	64QAM	2 127.50	8.01	2 177.50	8.35
	256QAM	2 127.50	8.01	2 177.50	8.36
2	QPSK	2 127.50	8.06	2 177.50	8.43
	16QAM	2 127.50	7.99	2 177.50	8.34
	64QAM	2 127.50	8.05	2 177.50	8.42
	256QAM	2 127.50	8.04	2 177.50	8.31
3	QPSK	2 127.50	8.02	2 177.50	8.44
	16QAM	2 127.50	8.02	2 177.50	8.35
	64QAM	2 127.50	8.03	2 177.50	8.31
	256QAM	2 127.50	8.05	2 177.50	8.31

Plot Data of PAPP

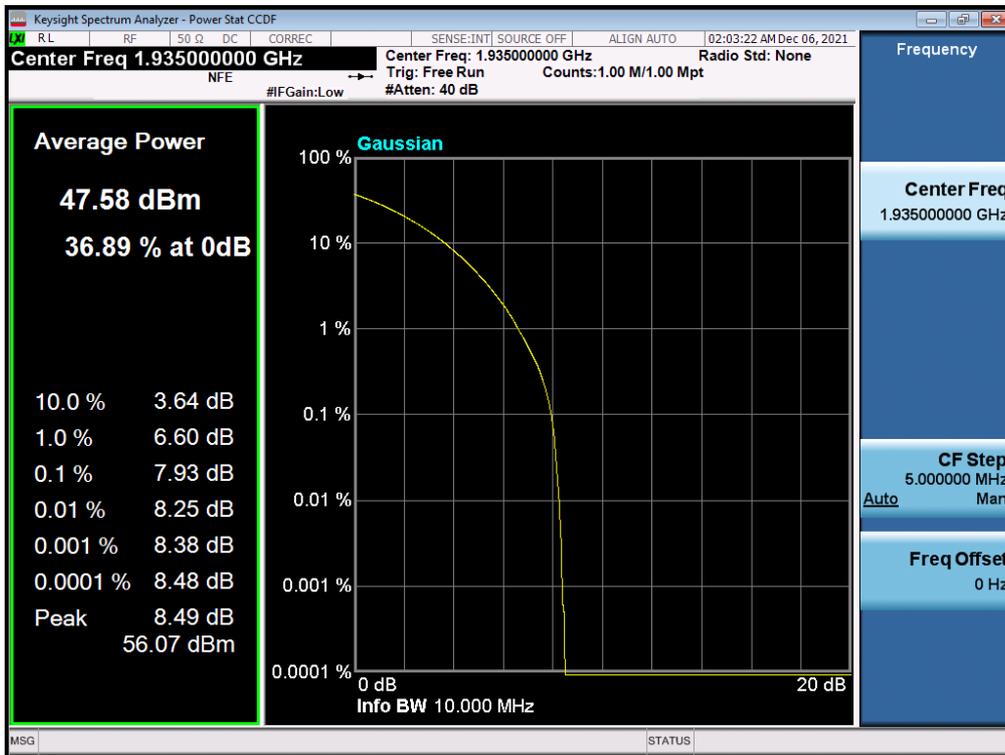
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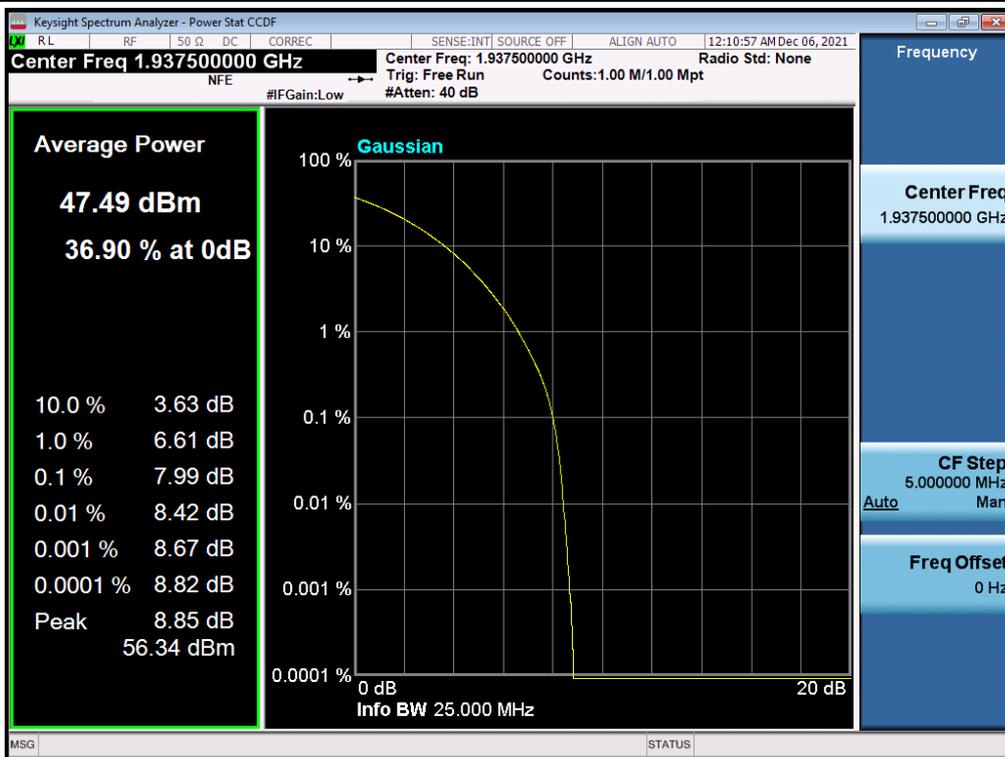
Antenna 0 / (2 Port) B2 DSS 10 MHz 5to5 1 Carrier / 16QAM / Low



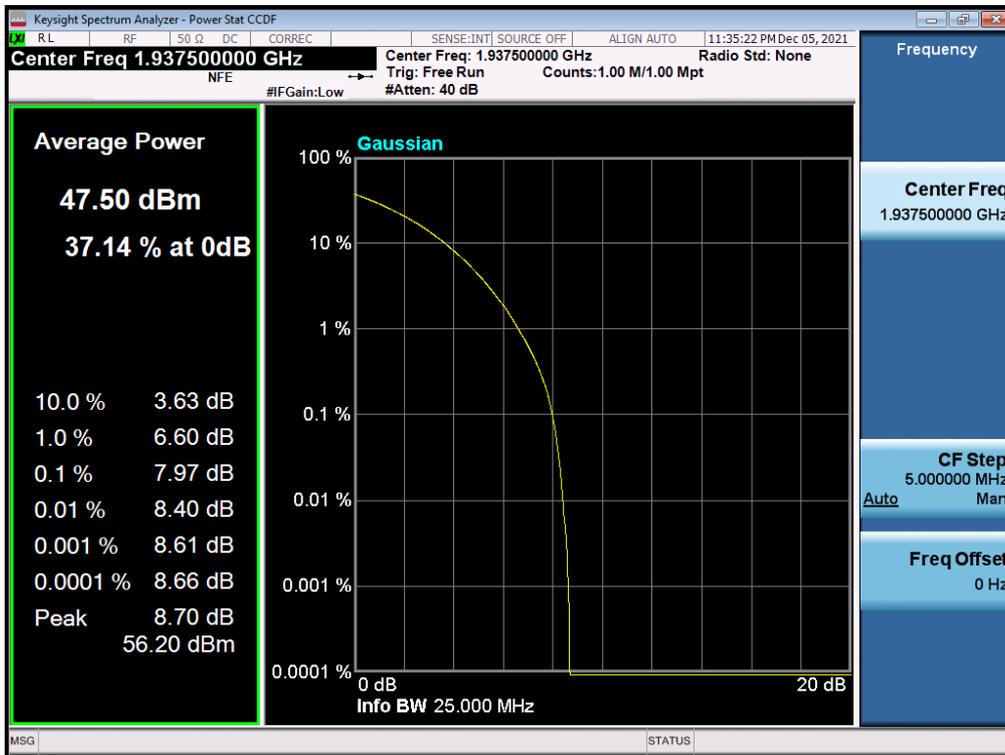
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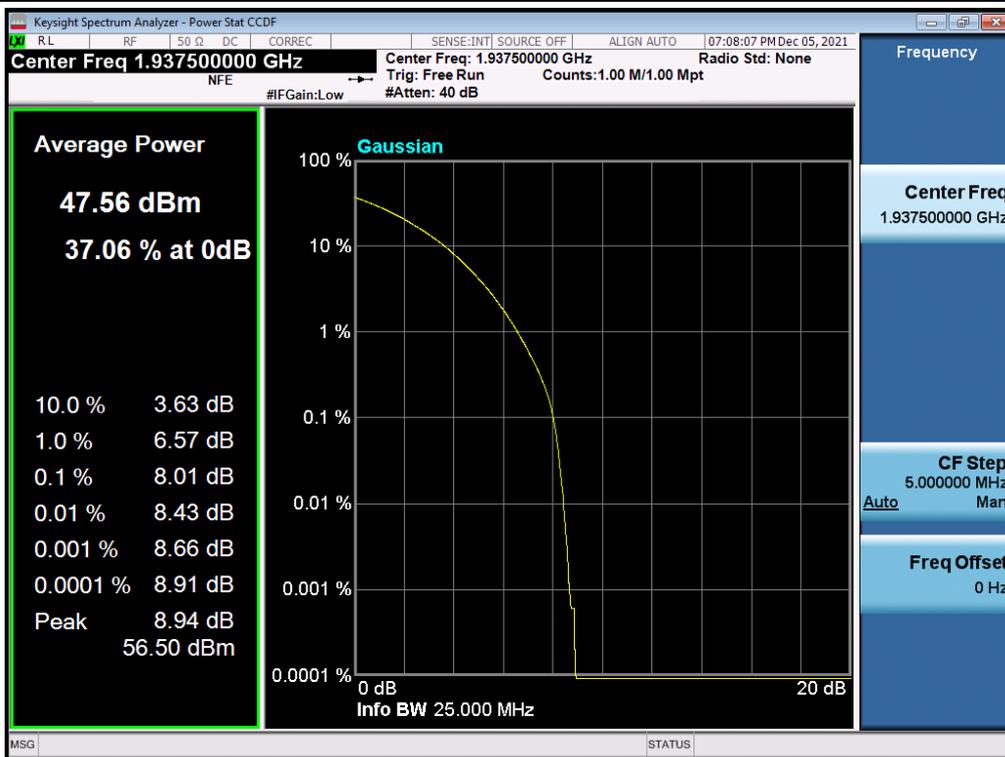
Antenna 1 / (2 Port) B2 DSS 15 MHz 2to8 1 Carrier / 256QAM / Low



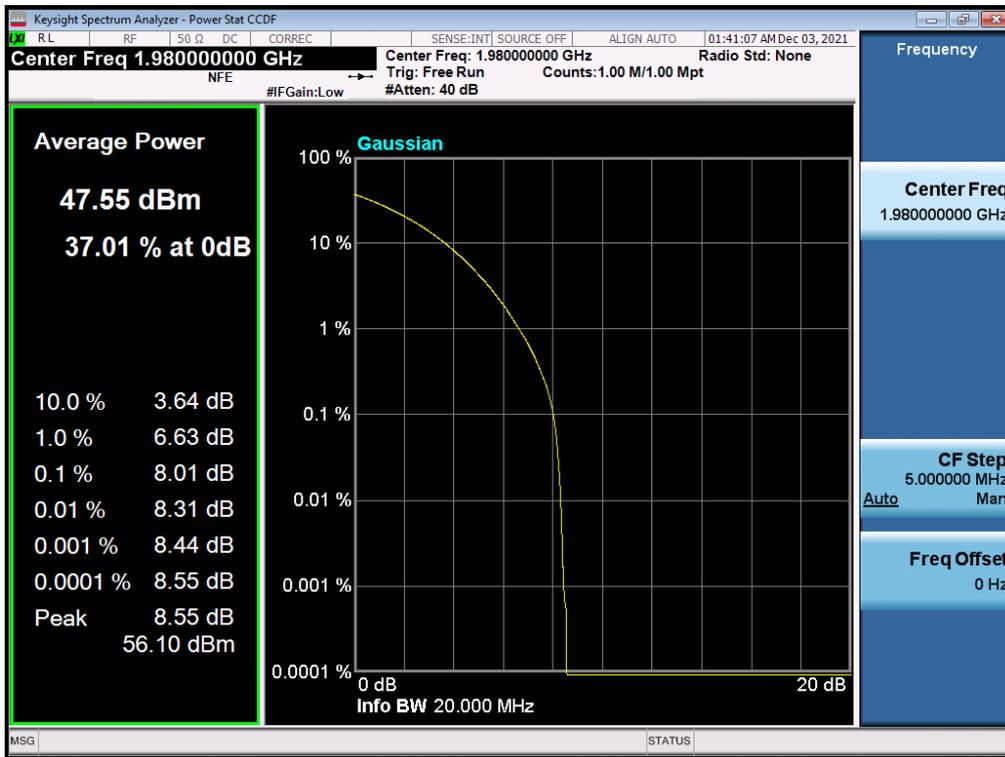
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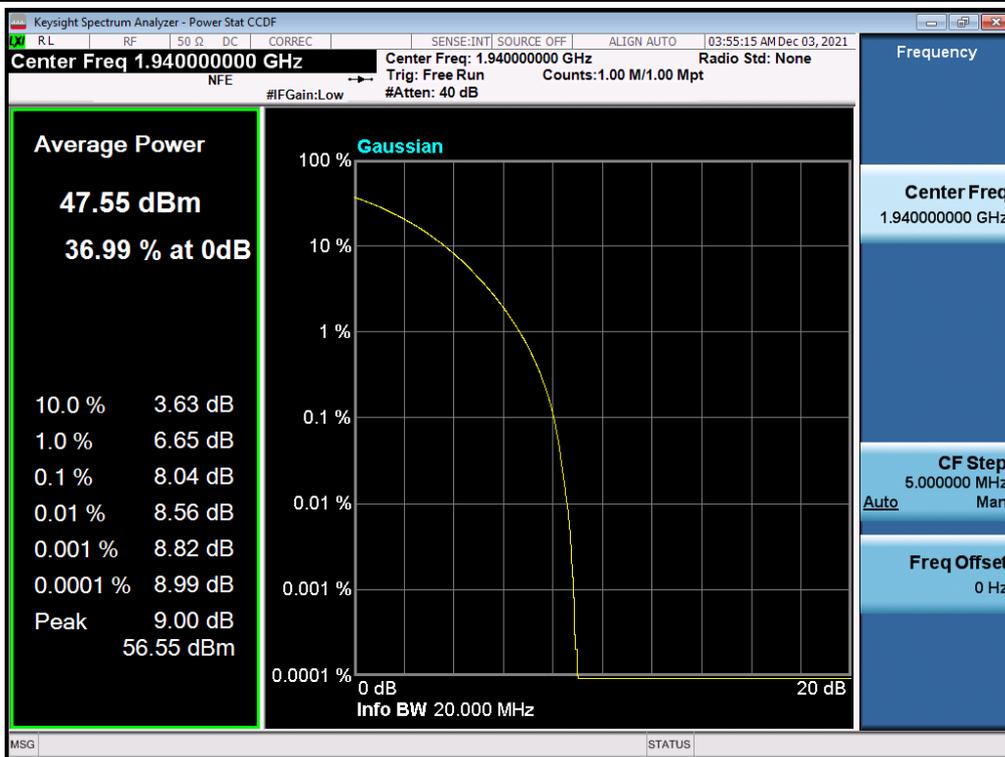
Antenna 0 / (2 Port) B2 DSS 15 MHz 9to1 1 Carrier / 16QAM / Low



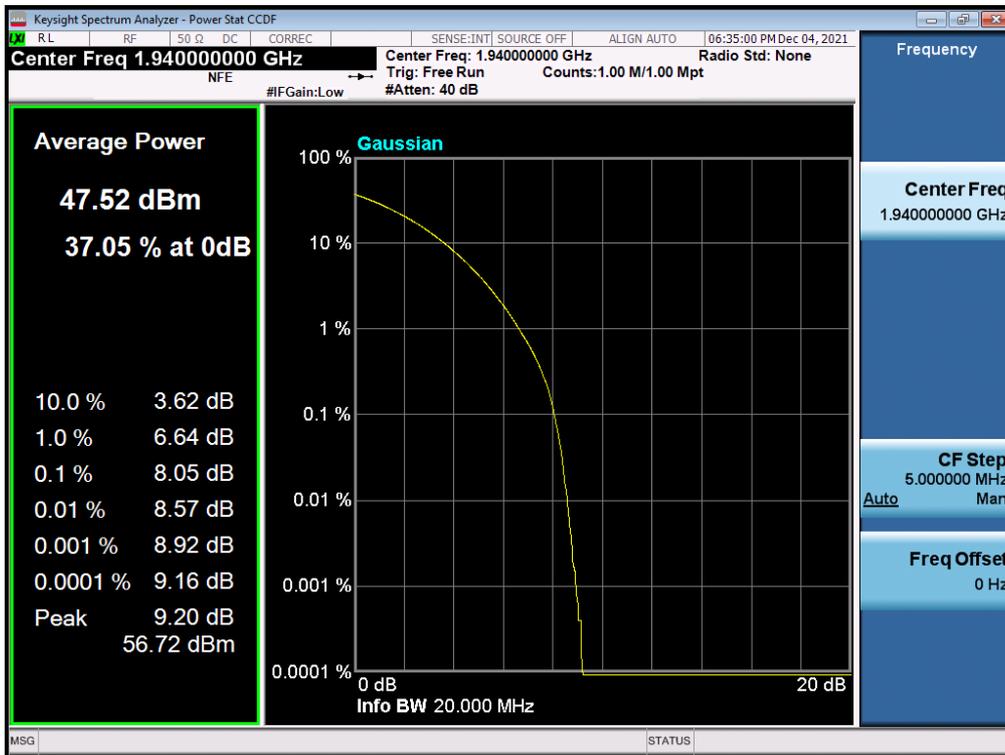
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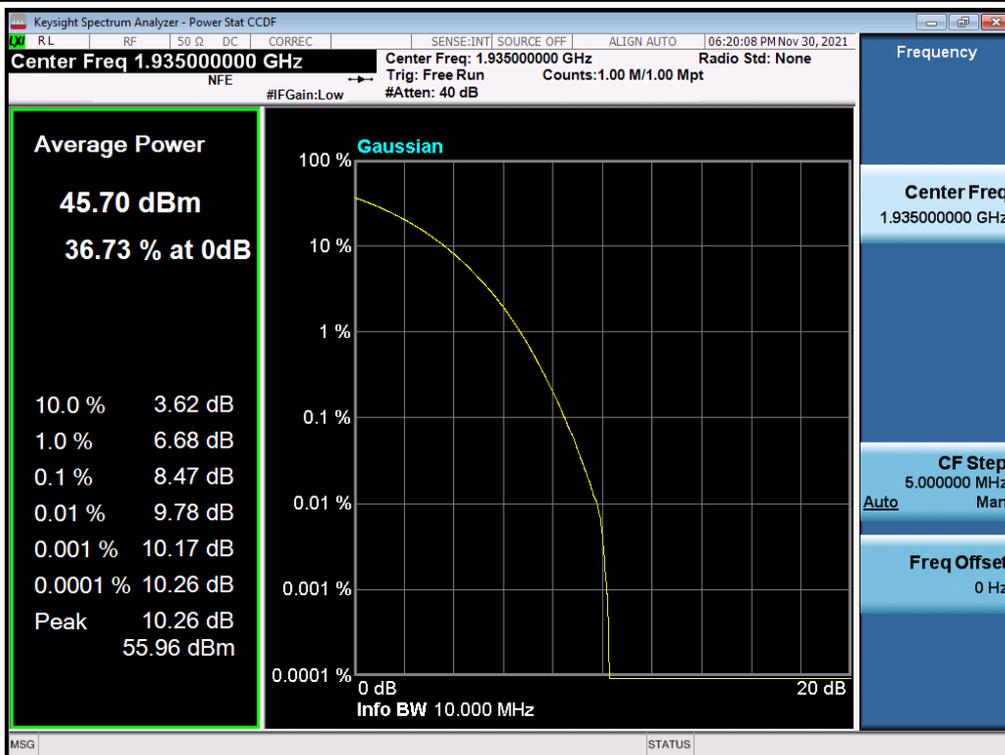
Antenna 1 / (2 Port) B2 DSS 20 MHz 5to5 1 Carrier / 64QAM / Low



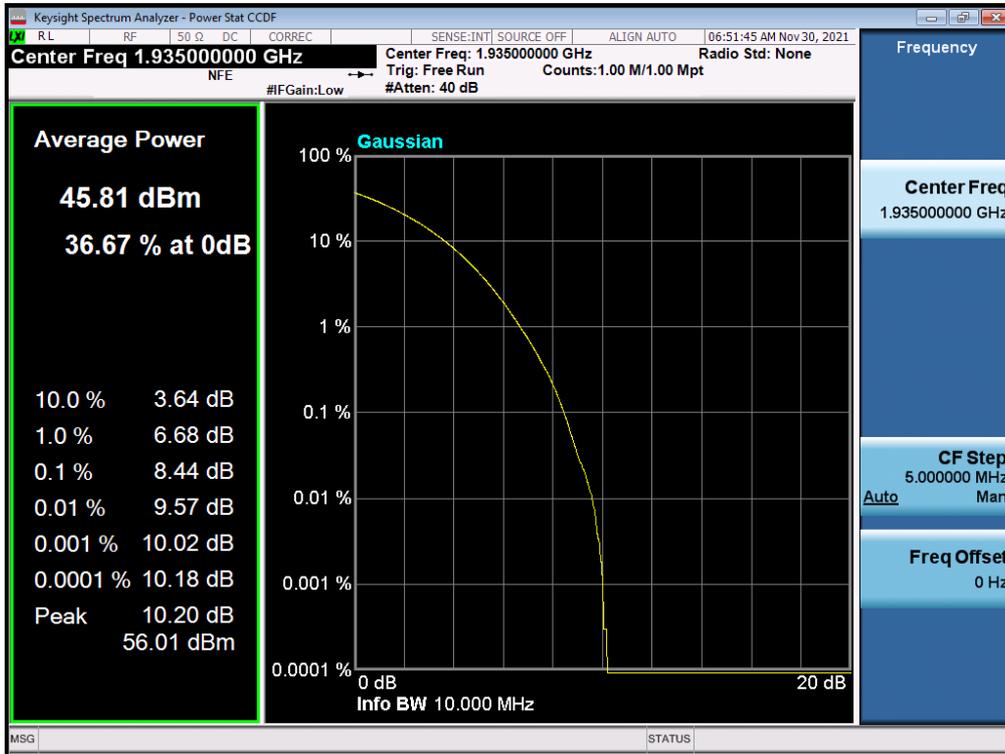
Antenna 1 / (2 Port) B2 DSS 20 MHz 9to1 1 Carrier / 256QAM / Low



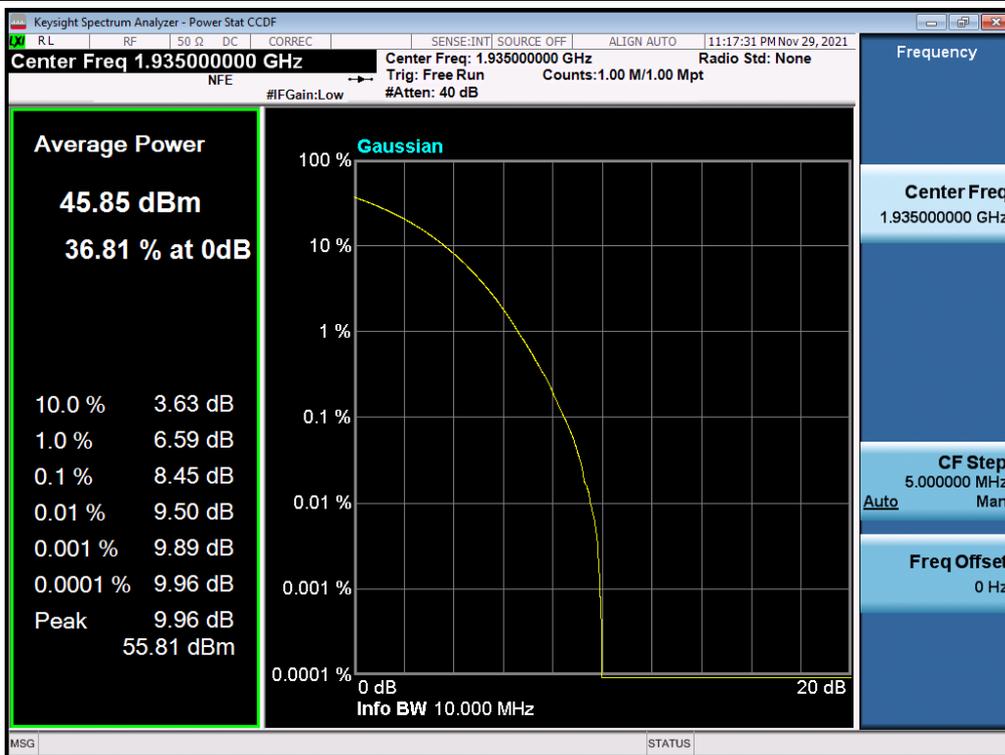
Antenna 1 / (4 Port) B2 DSS 10 MHz 2to8 1 Carrier / QPSK / Low



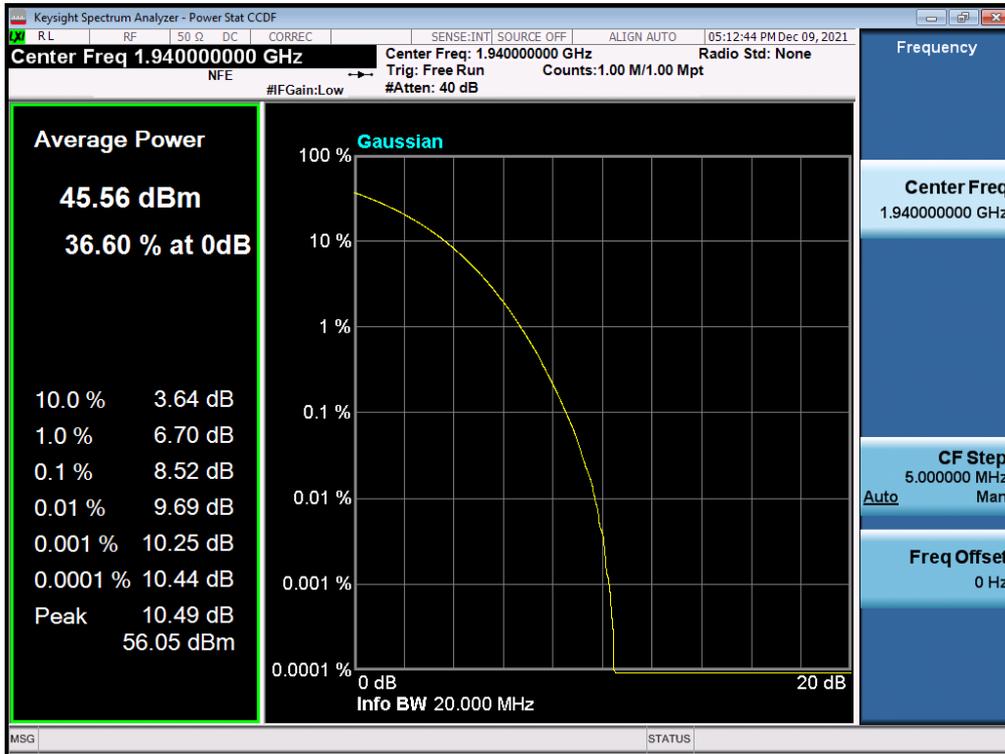
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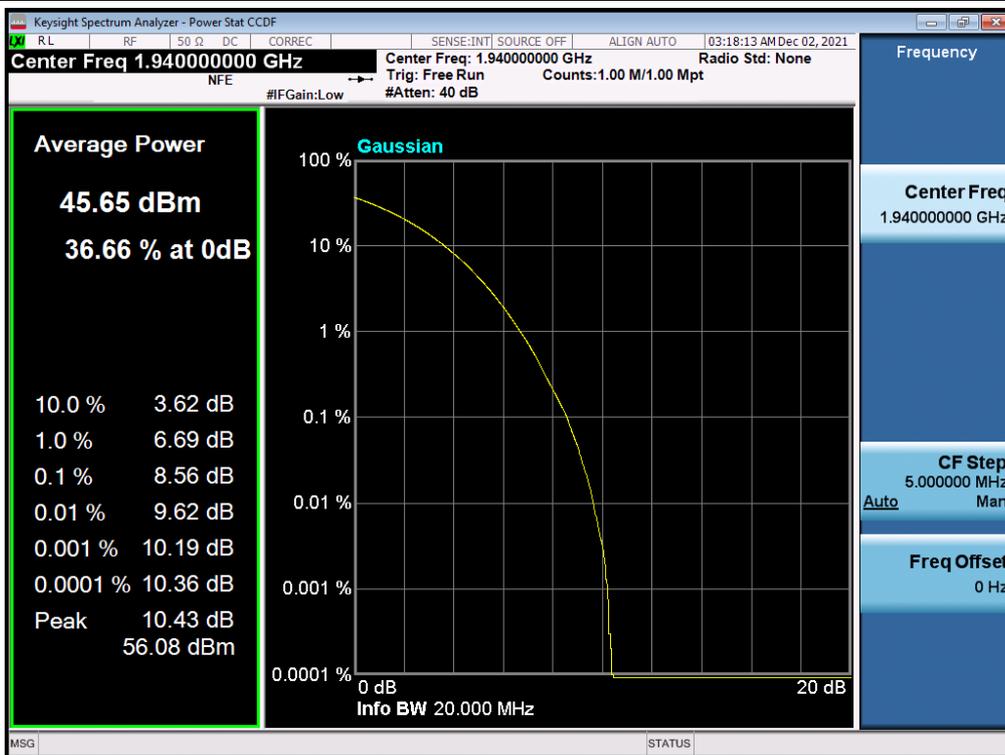
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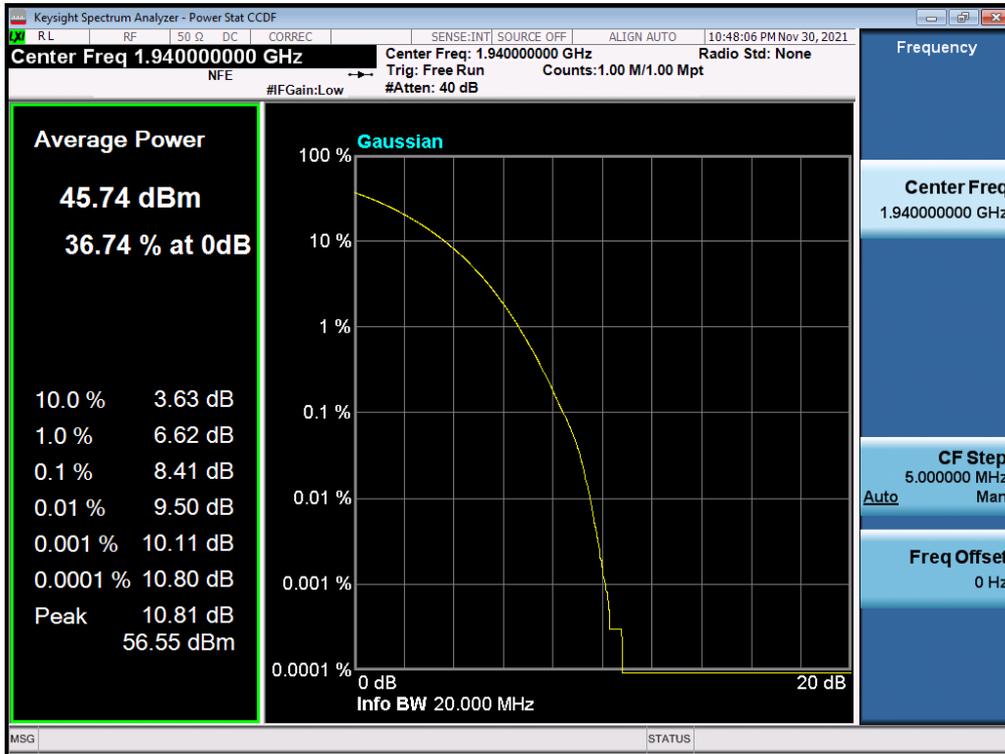
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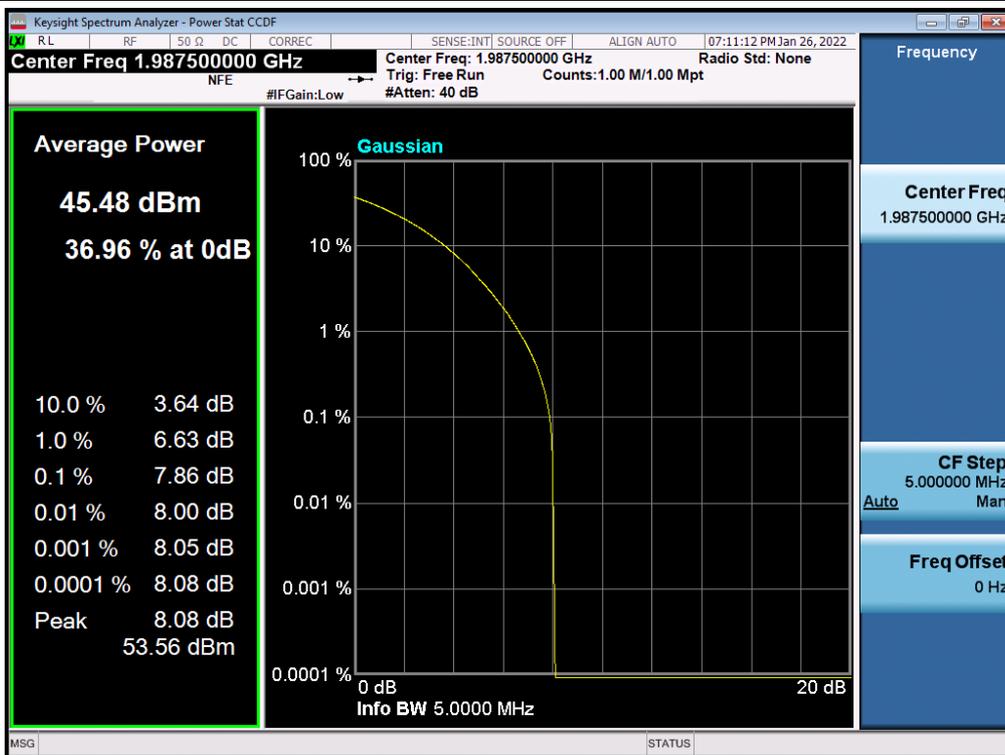
Antenna 0 / (4 Port) B2 DSS 20 MHz 5to5 1 Carrier / 256QAM / Low

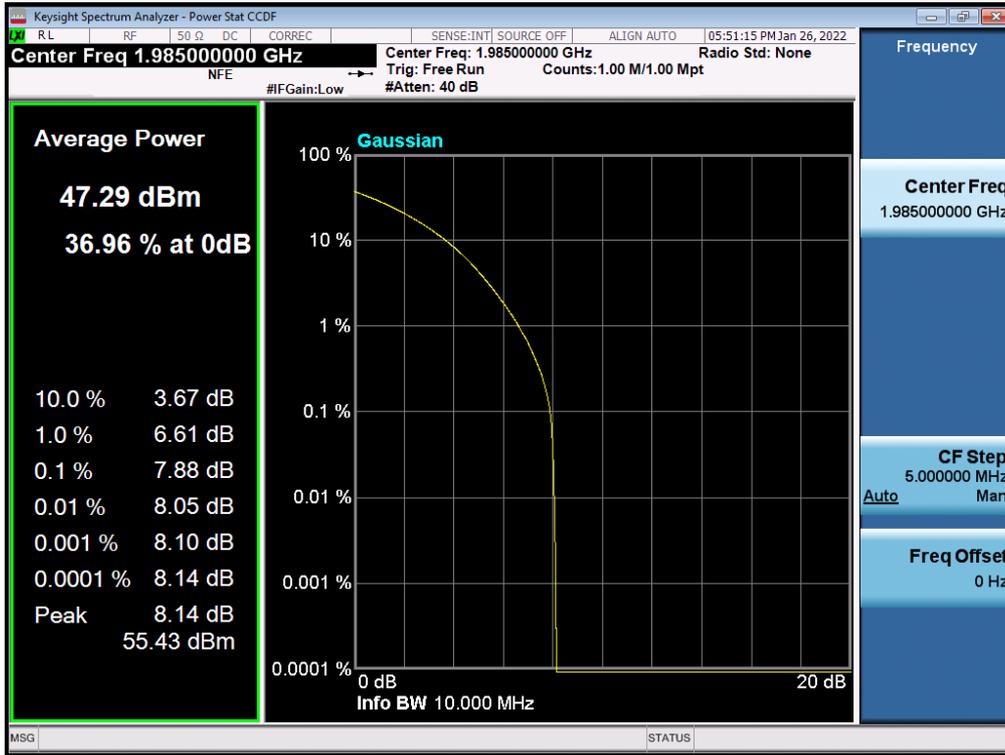
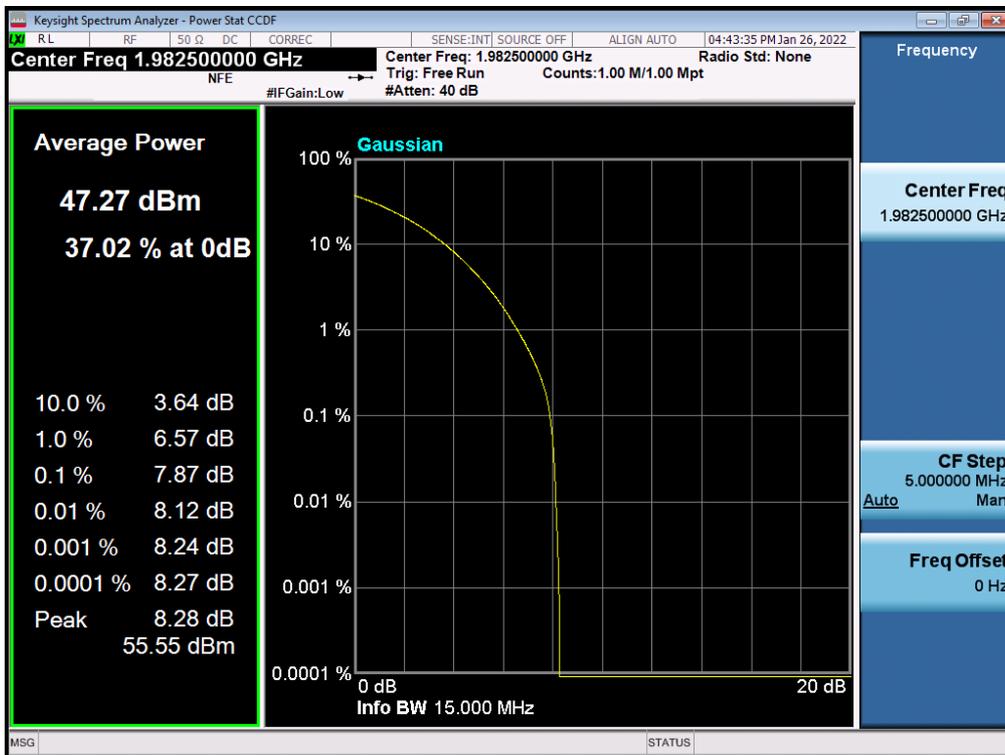


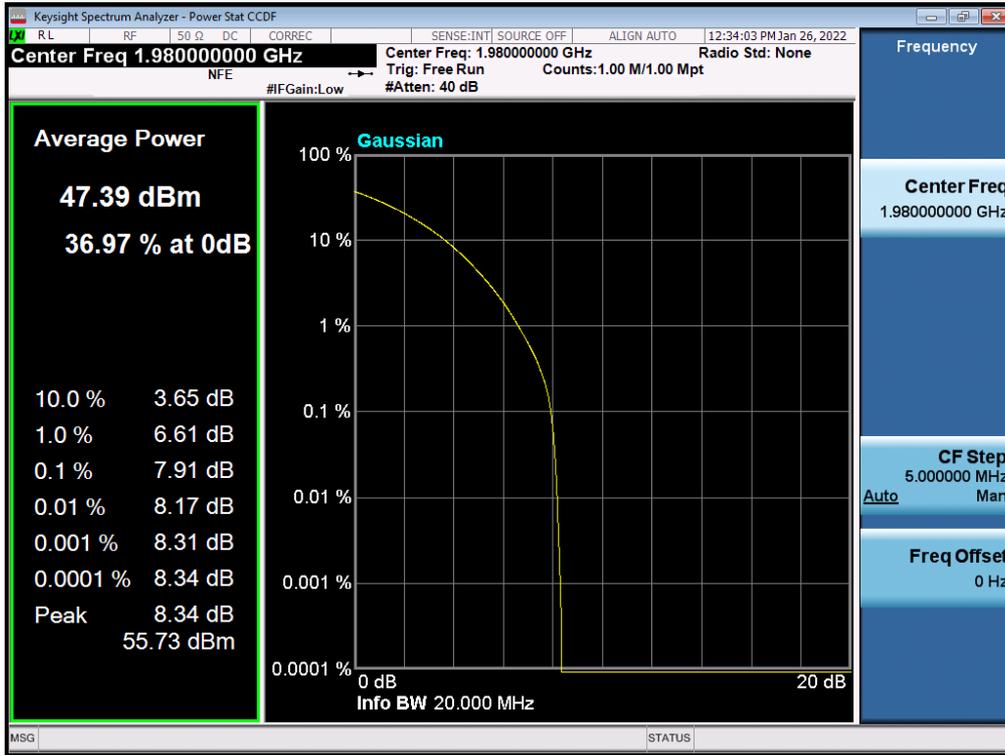
Antenna 1 / (4 Port) B2 DSS 20 MHz 9to1 1 Carrier / 16QAM / Low



Antenna 0 / (2 Port) 5G NR n2 5 MHz 1 Carrier / 16QAM / High



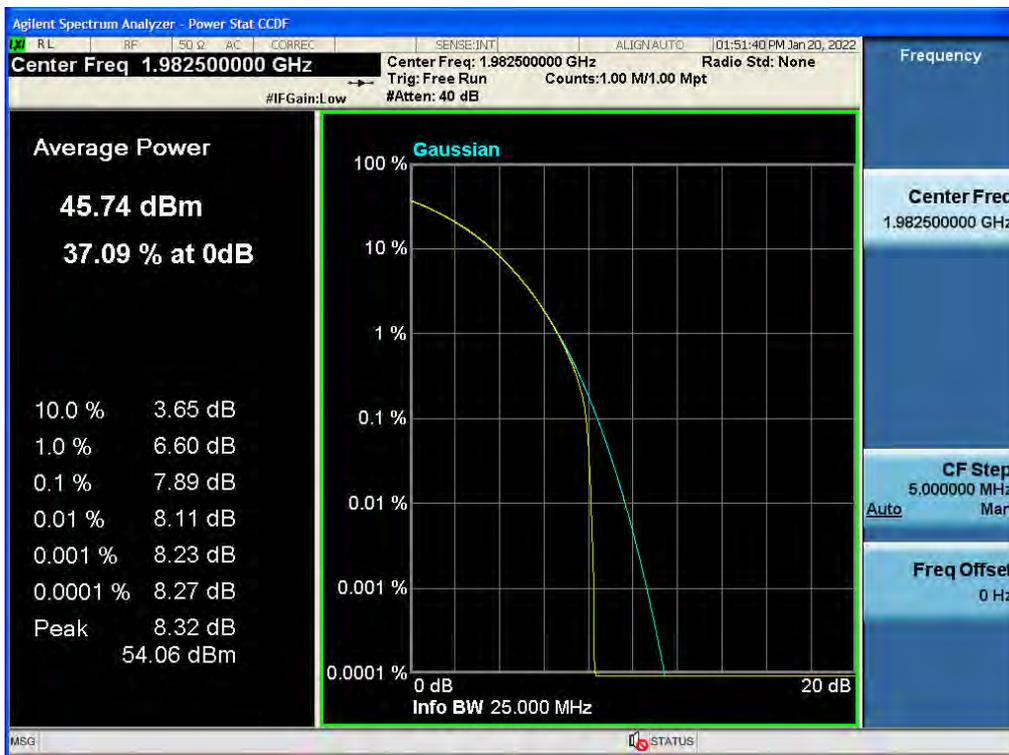
**Antenna 0 / (2 Port) 5G NR n2 10 MHz 1 Carrier / QPSK / High**

**Antenna 0 / (2 Port) 5G NR n2 15 MHz 1 Carrier / 256QAM / High**


**Antenna 0 / (2 Port) 5G NR n2 20 MHz 1 Carrier / 16QAM / High**

**Antenna 0 / (4 Port) 5G NR n2 5 MHz 1 Carrier / QPSK / High**

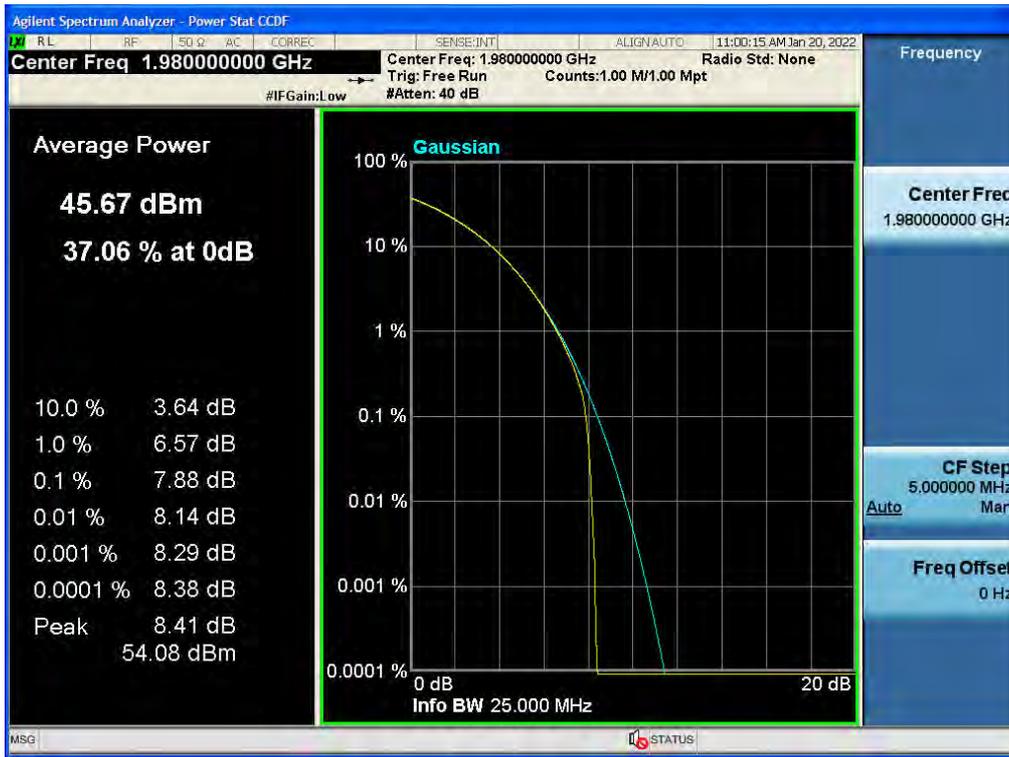

## Antenna 0 / (4 Port) 5G NR n2 10 MHz 1 Carrier / 256QAM / High



## Antenna 0 / (4 Port) 5G NR n2 15 MHz 1 Carrier / 256QAM / High



Antenna 0 / (4 Port) 5G NR n2 20 MHz 1 Carrier / 64QAM / High



Antenna 0 / (2 Port) B66 DSS 10 MHz 2to8 1 Carrier / QPSK / High



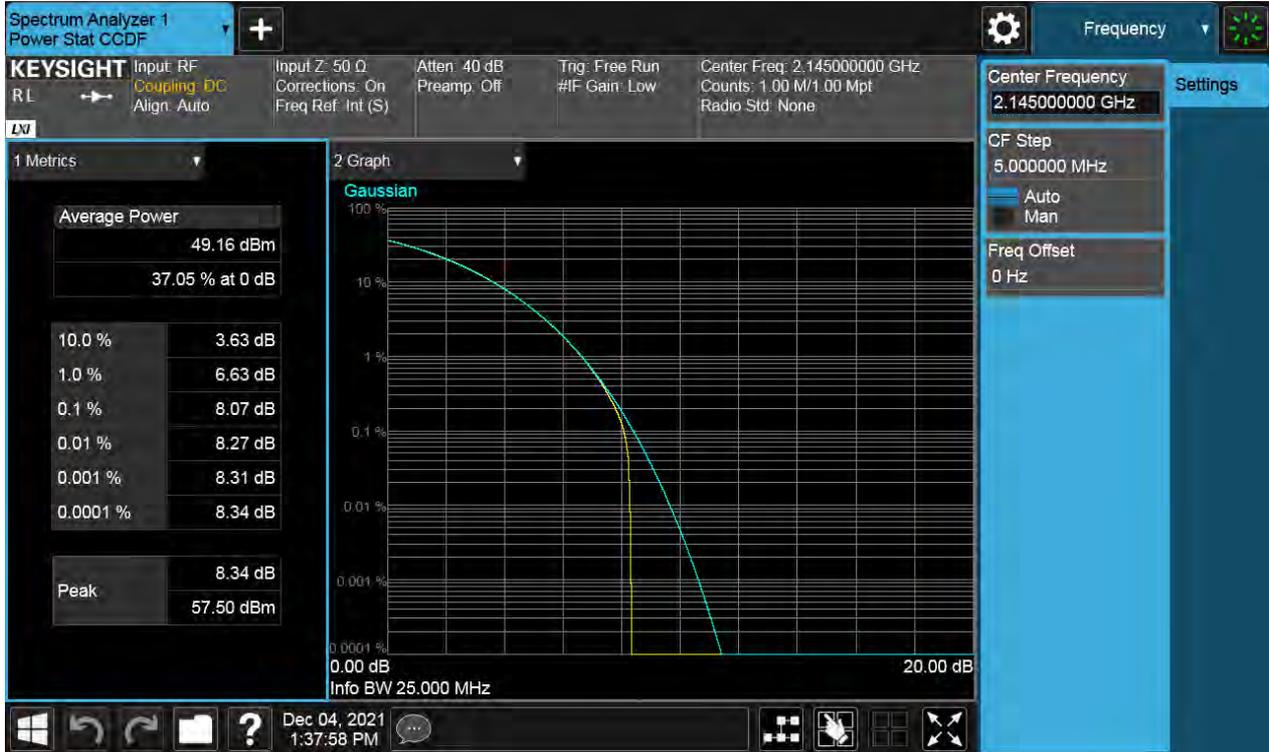
Antenna 0 / (2 Port) B66 DSS 10 MHz 5to5 1 Carrier / 256QAM / Middle



Antenna 1 / (2 Port) B66 DSS 10 MHz 9to1 1 Carrier / QPSK / Middle



Antenna 0 / (2 Port) B66 DSS 15 MHz 2to8 1 Carrier / QPSK / Middle



Antenna 0 / (2 Port) B66 DSS 15 MHz 5to5 1 Carrier / 16QAM / Middle



Antenna 0 / (2 Port) B66 DSS 15 MHz 9to1 1 Carrier / QPSK / Middle



Antenna 0 / (2 Port) B66 DSS 20 MHz 2to8 1 Carrier / QPSK / Middle



**Antenna 0 / (2 Port) B66 DSS 20 MHz 5to5 1 Carrier / QPSK / Middle**

**Antenna 0 / (2 Port) B66 DSS 20 MHz 9to1 1 Carrier / QPSK / Middle**
