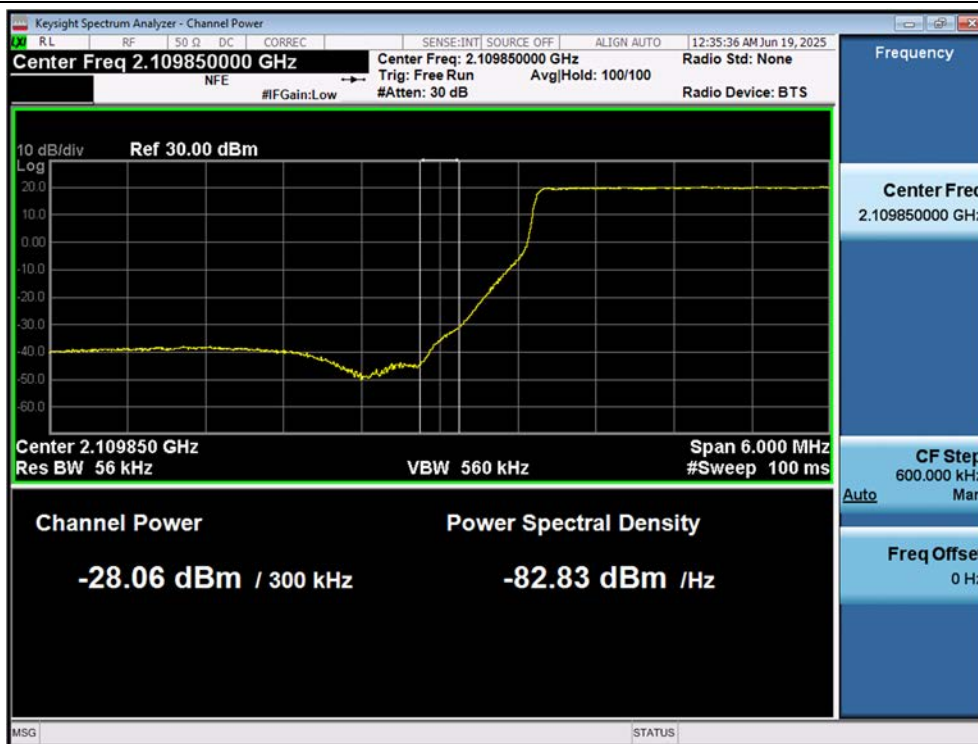
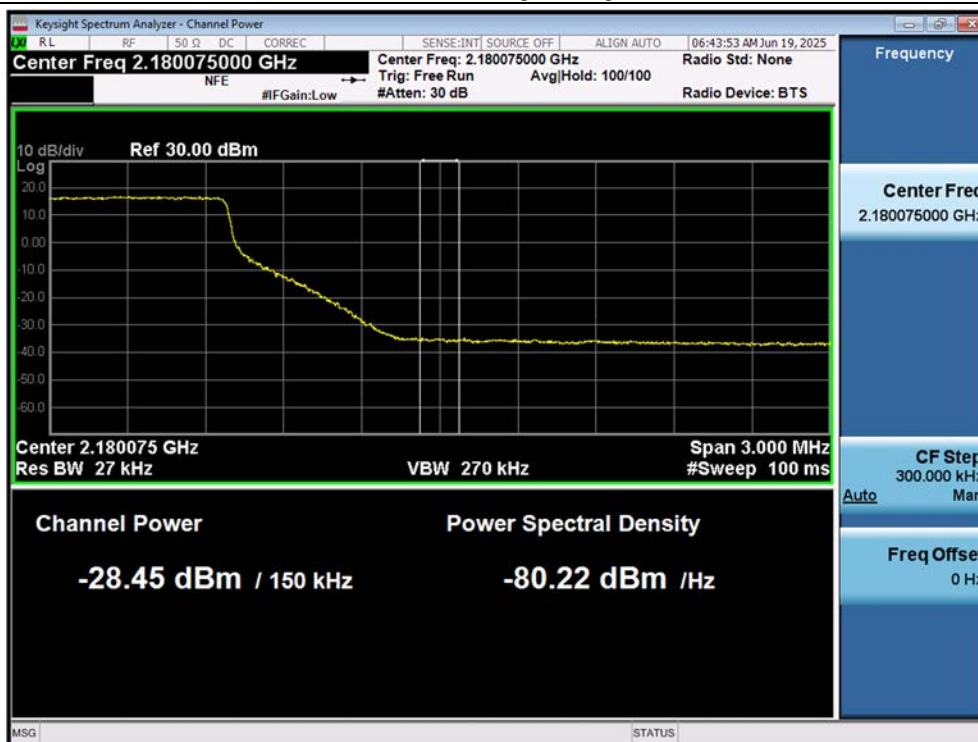


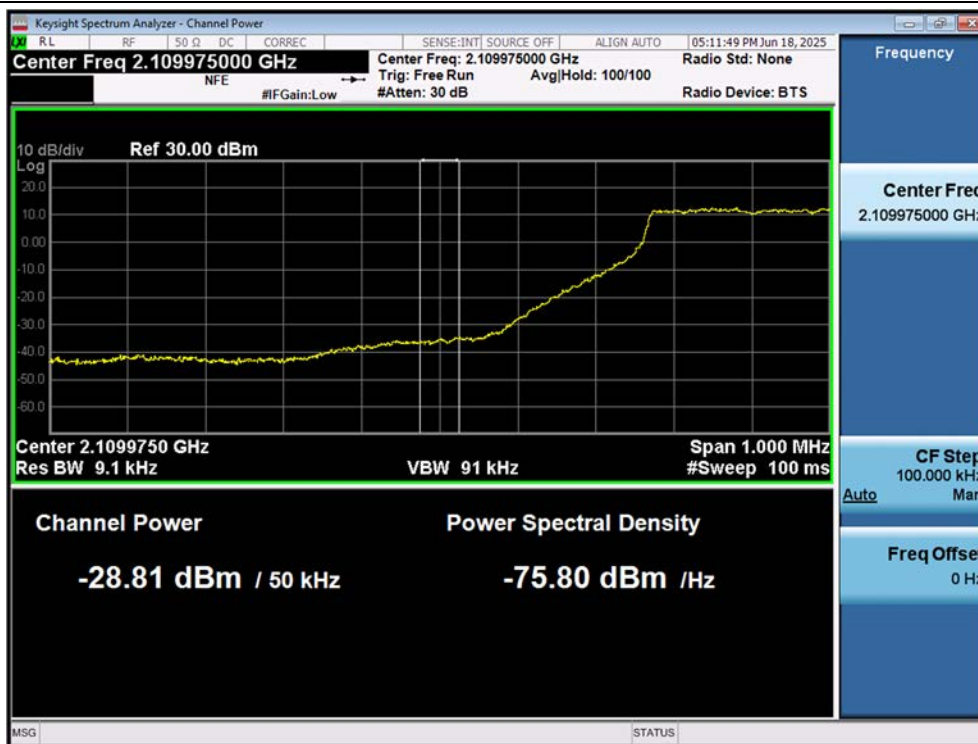
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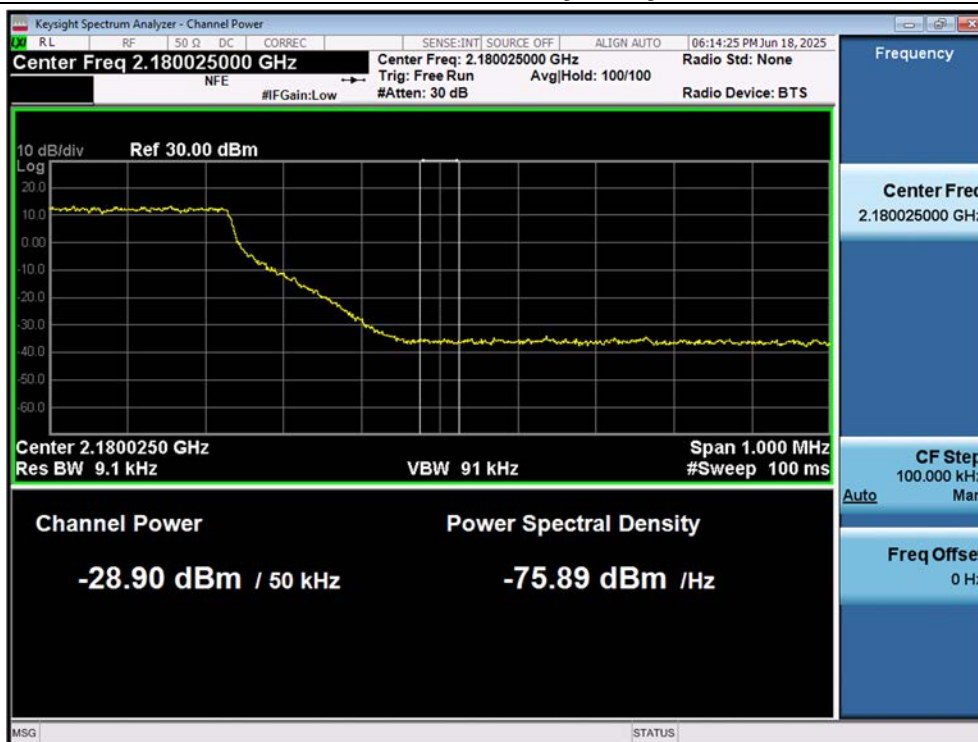
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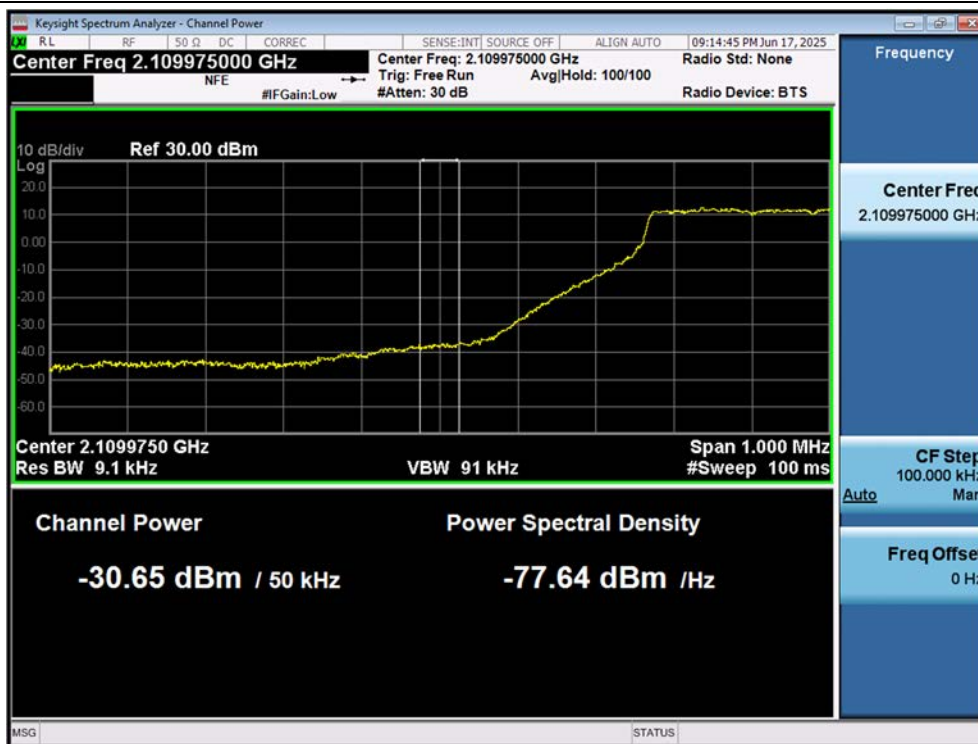
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Antenna 0 / (4 Port) n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 15 MHz 1 Carrier + n66 5G NR 30 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [5 Carrier] / 64QAM / High / Contiguous



Antenna 0 / (4 Port) n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 15 MHz 1 Carrier + n66 5G NR 30 MHz 1 Carrier [5 Carrier] / 64QAM / Low / Contiguous



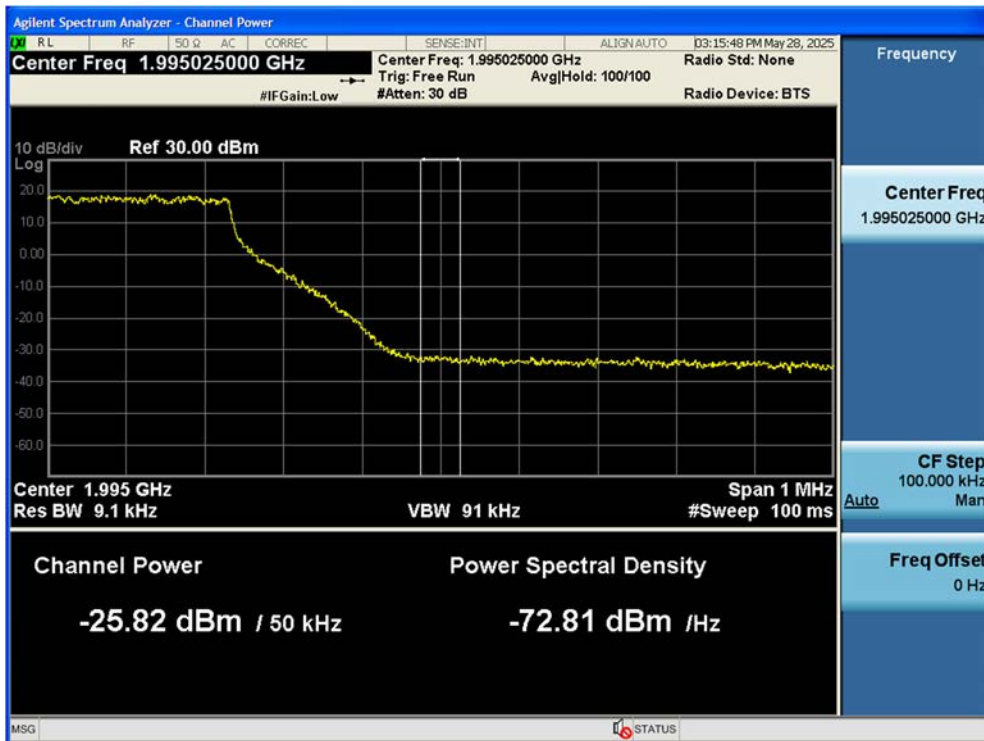
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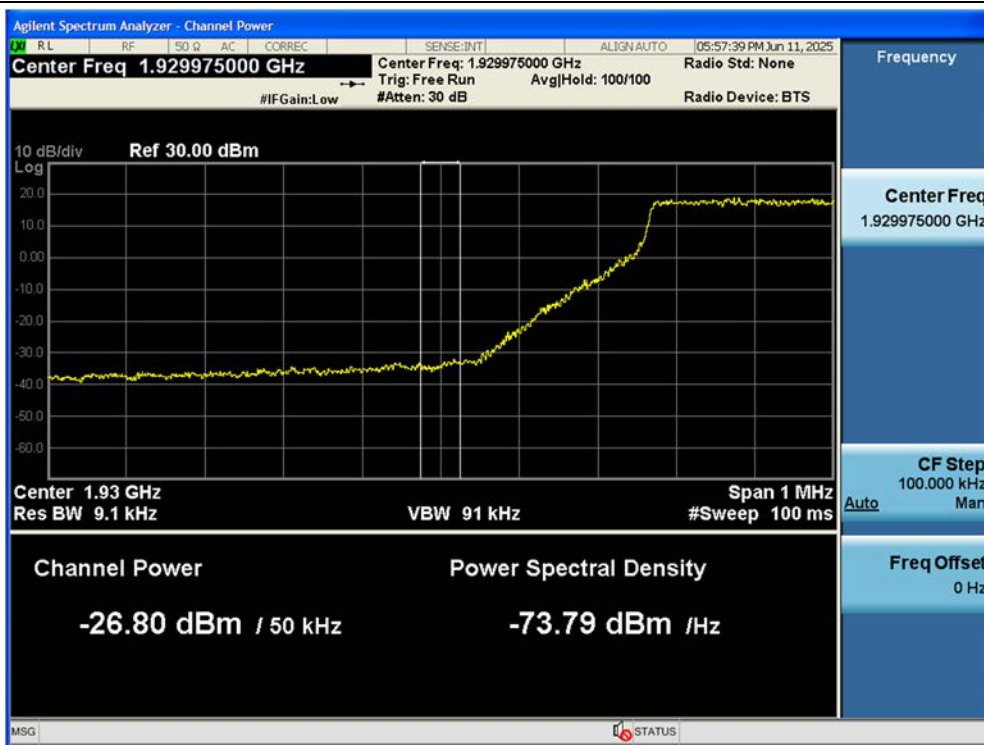
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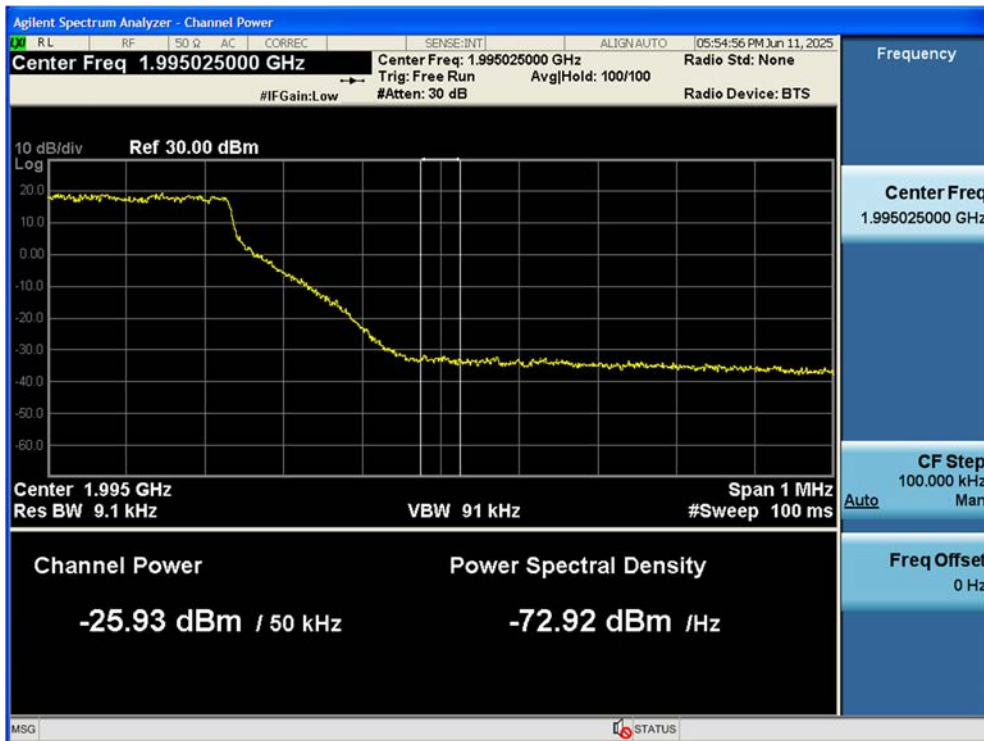
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Antenna 2 / (4 Port) n25 5G NR 5 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier [2 Carrier] / 64QAM / High / Non-Contiguous



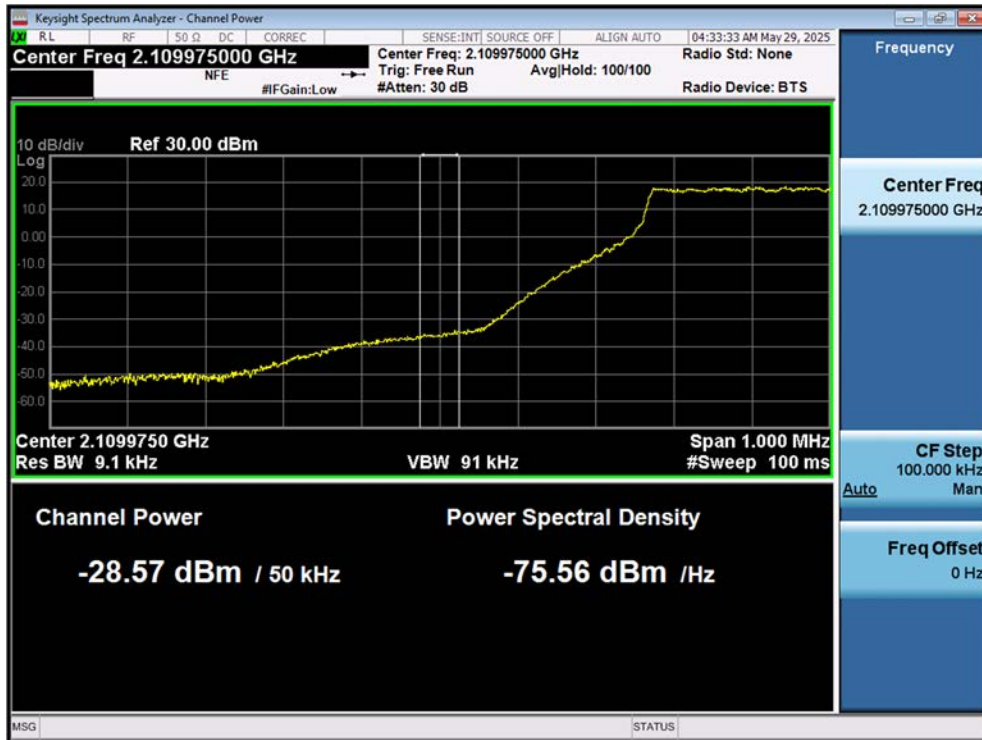
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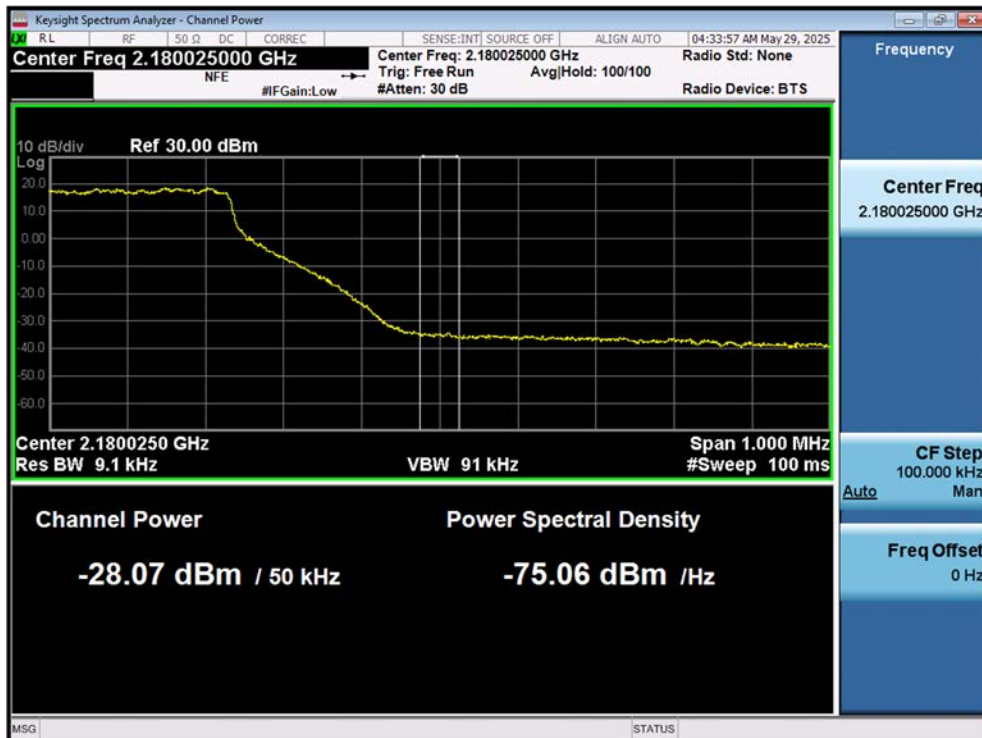
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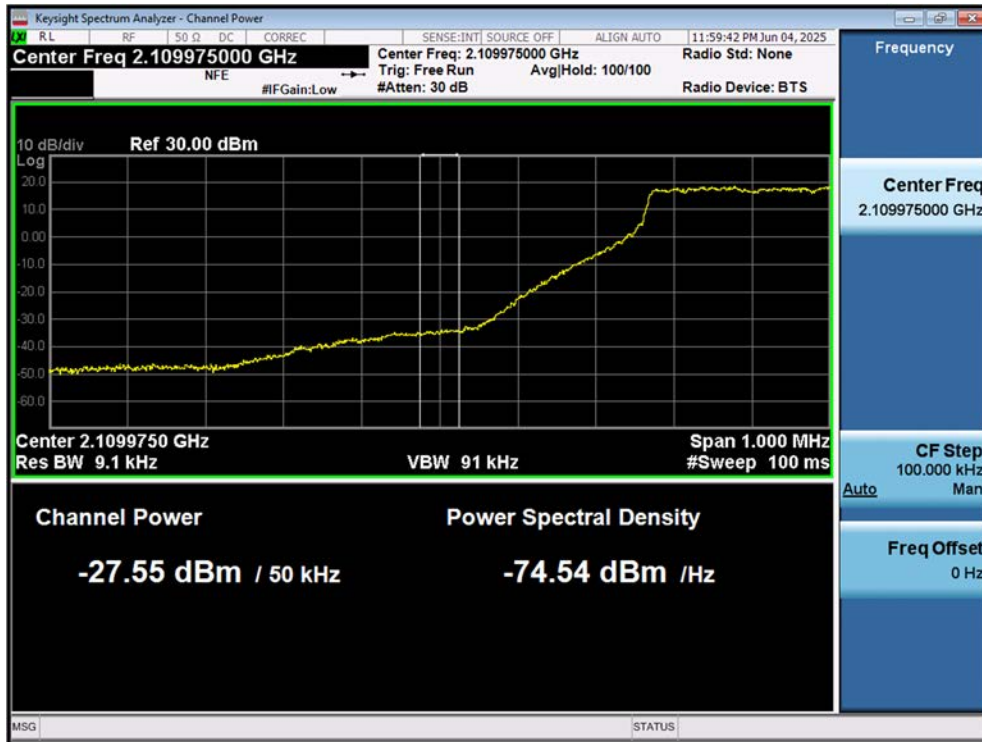
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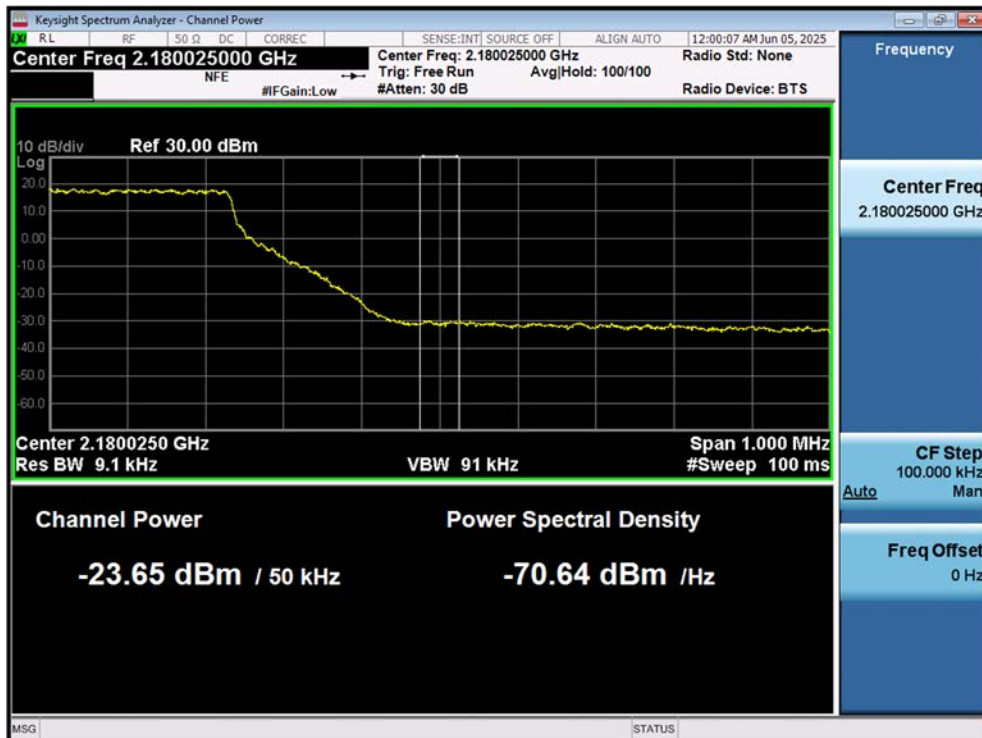
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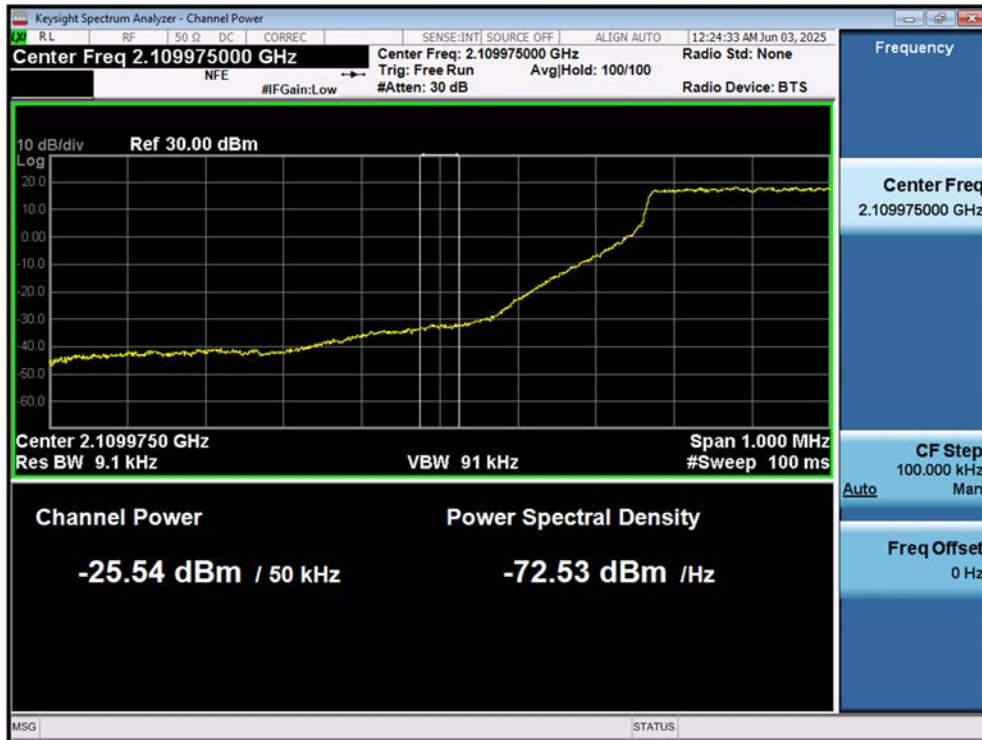
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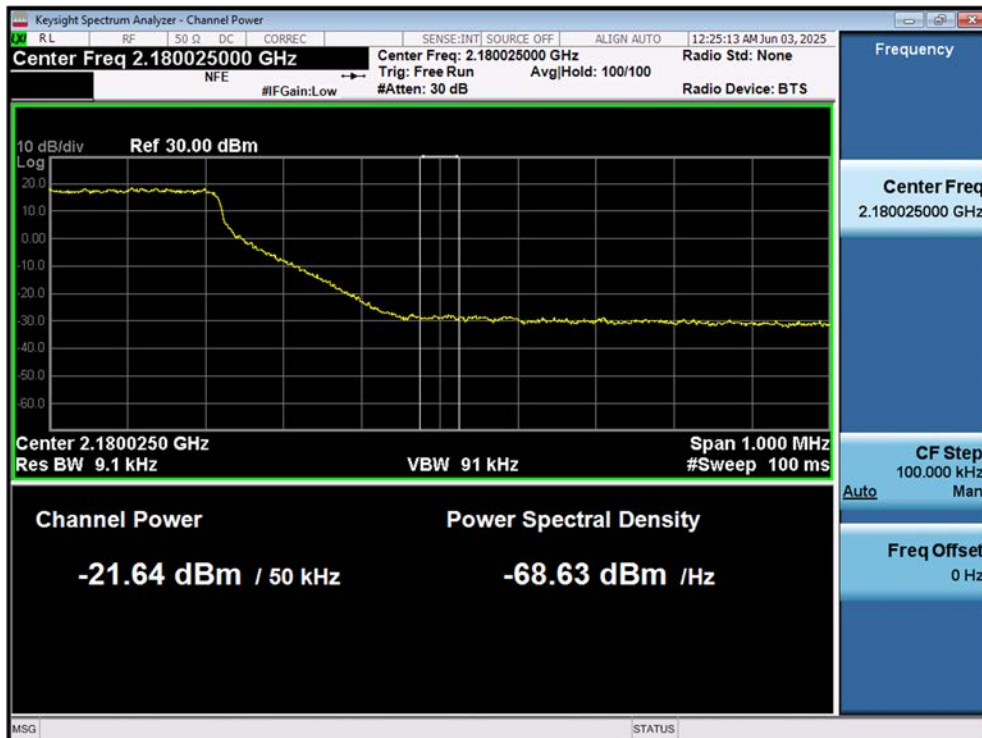
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Antenna 1 / (4 Port) n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier [2 Carrier] / 64QAM / Low / Non-Contiguous



Antenna 1 / (4 Port) n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier [2 Carrier] / 64QAM / High / Non-Contiguous



Antenna 1 / (4 Port) B25 LTE 10 MHz 1 Carrier + B25 LTE 15 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [3 Carrier] (1C+2C) / 64QAM / Low / Non-Contiguous



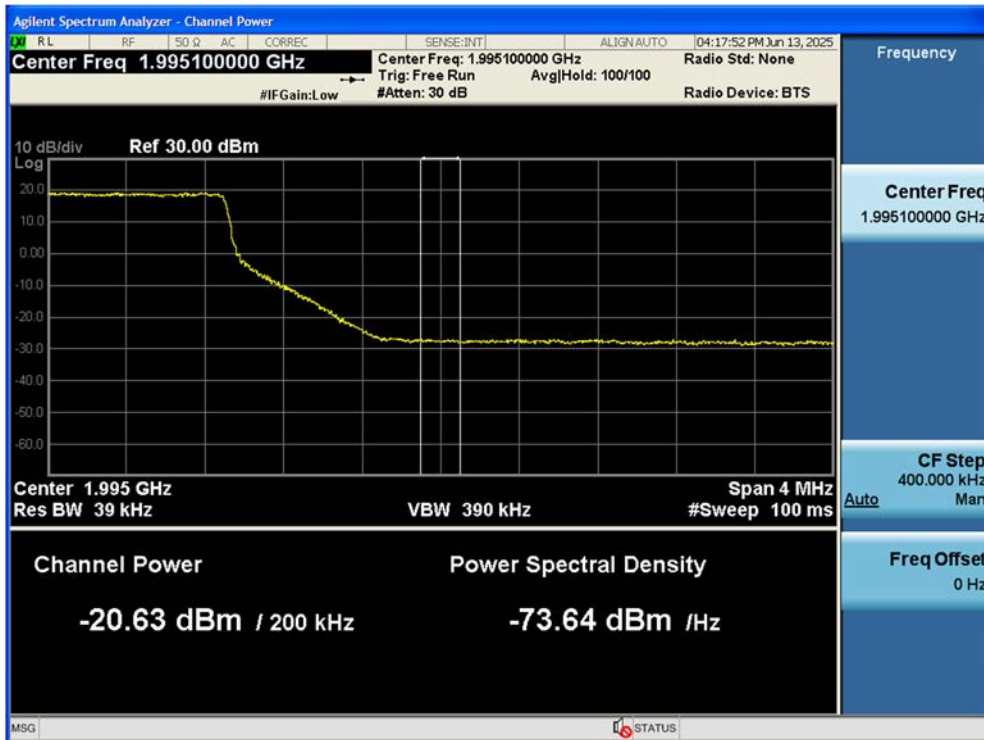
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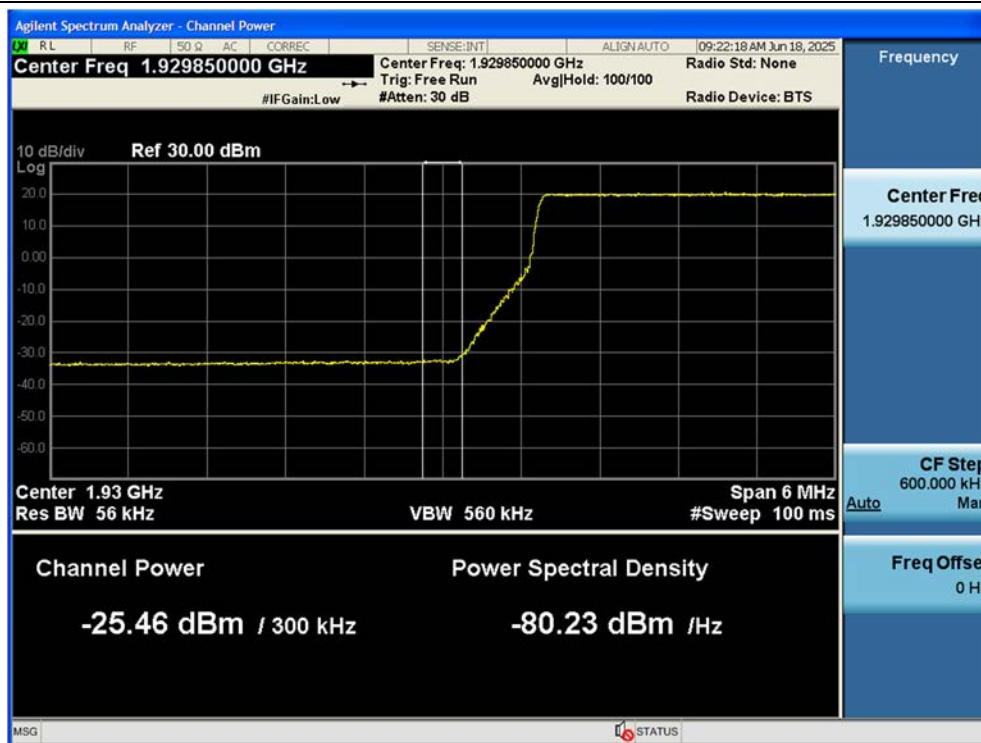
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Antenna 2 / (4 Port) B25 LTE 10 MHz 1 Carrier + B25 LTE 15 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [3 Carrier] (2C+1C) / 64QAM / High / Non-Contiguous



Antenna 2 / (4 Port) n25 5G NR 30 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier + B25 LTE 10 MHz 1 Carrier [3 Carrier] (1C+2C) / 64QAM / Low / Non-Contiguous



Antenna 2 / (4 Port) n25 5G NR 30 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier + B25 LTE 10 MHz 1 Carrier [3 Carrier] (1C+2C) / 64QAM / High / Non-Contiguous



Antenna 0 / (4 Port) n25 5G NR 30 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier + B25 LTE 10 MHz 1 Carrier [3 Carrier] (2C+1C) / 64QAM / Low / Non-Contiguous



Antenna 0 / (4 Port) n25 5G NR 30 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier + B25 LTE 10 MHz 1 Carrier [3 Carrier] (2C+1C) / 64QAM / High / Non-Contiguous



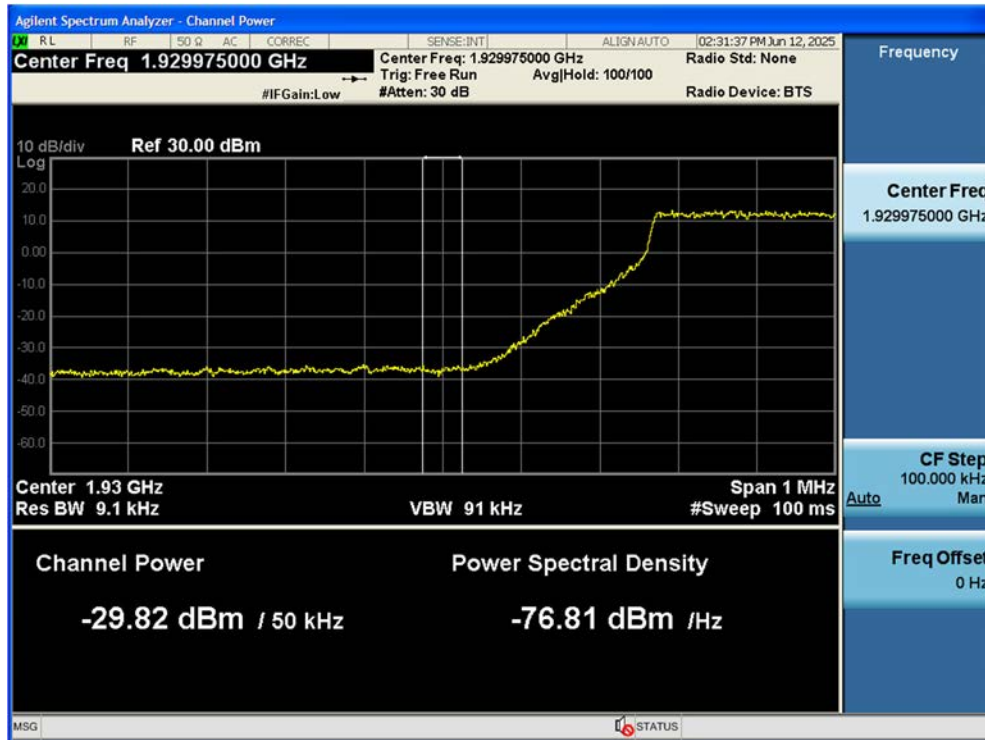
Antenna 2 / (4 Port) n25 5G NR 5 MHz 1 Carrier + n25 5G NR 10 MHz 1 Carrier + n25 5G NR 30 MHz 1 Carrier [3 Carrier] (1C+2C) / 64QAM / Low / Non-Contiguous



Antenna 2 / (4 Port) n25 5G NR 5 MHz 1 Carrier + n25 5G NR 10 MHz 1 Carrier + n25 5G NR 30 MHz 1 Carrier [3 Carrier] (1C+2C) / 64QAM / High / Non-Contiguous



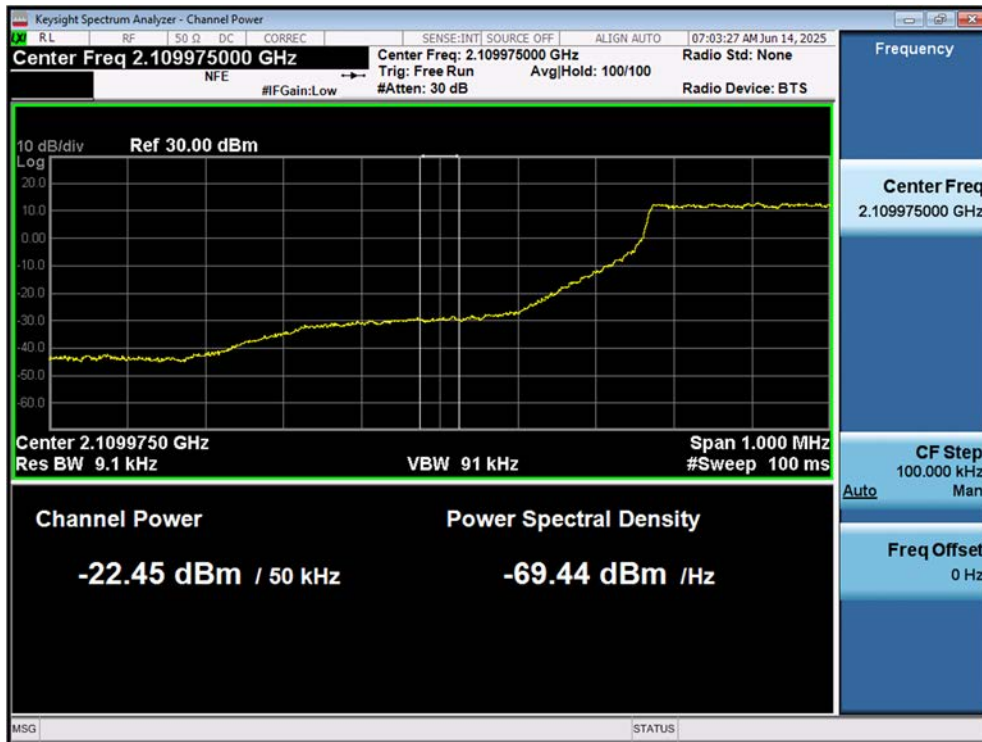
Antenna 0 / (4 Port) n25 5G NR 5 MHz 1 Carrier + n25 5G NR 10 MHz 1 Carrier + n25 5G NR 30 MHz 1 Carrier [3 Carrier] (2C+1C) / 64QAM / Low / Non-Contiguous



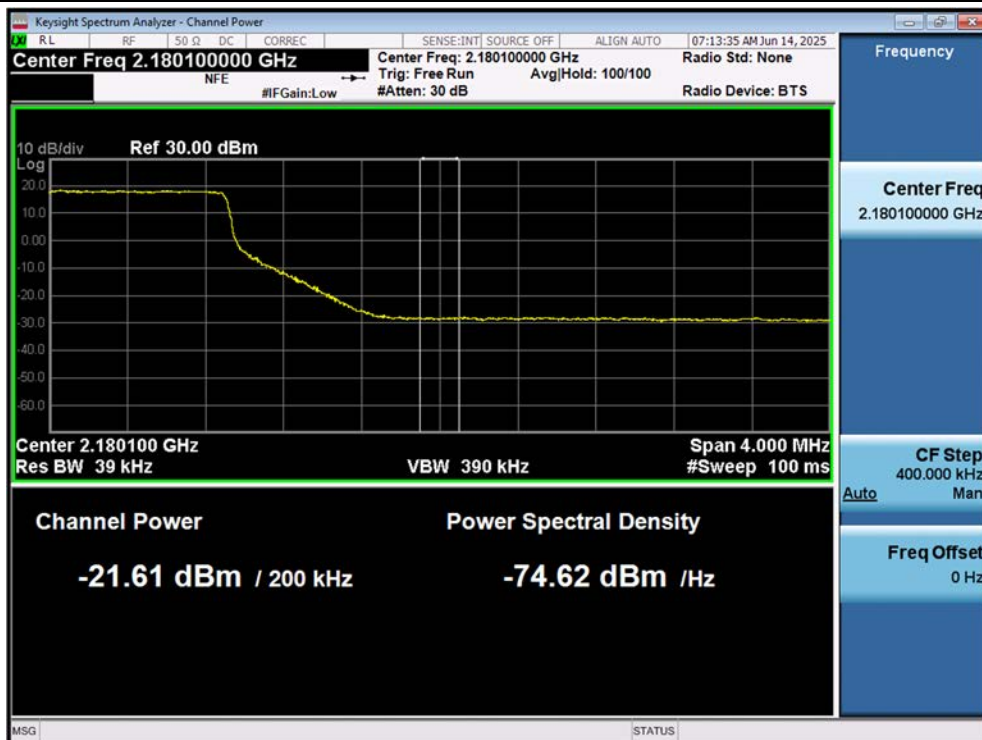
Antenna 1 / (4 Port) n25 5G NR 5 MHz 1 Carrier + n25 5G NR 10 MHz 1 Carrier + n25 5G NR 30 MHz 1 Carrier [3 Carrier] (2C+1C) / 64QAM / High / Non-Contiguous



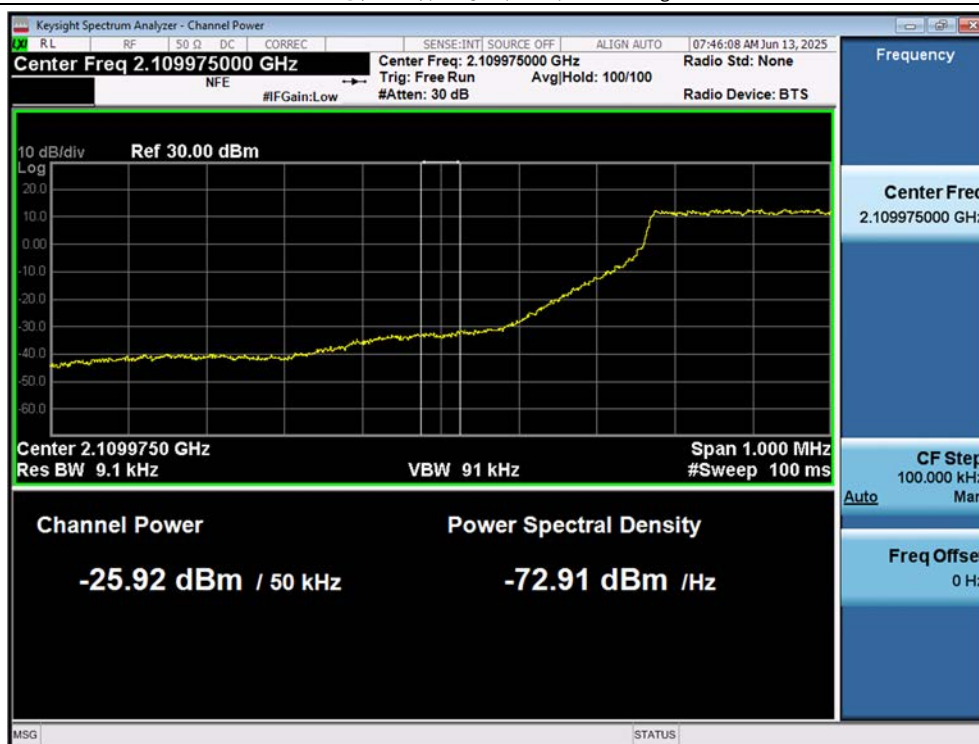
Antenna 3 / (4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [5 Carrier] (1C+4C) / 64QAM / Low / Non-Contiguous



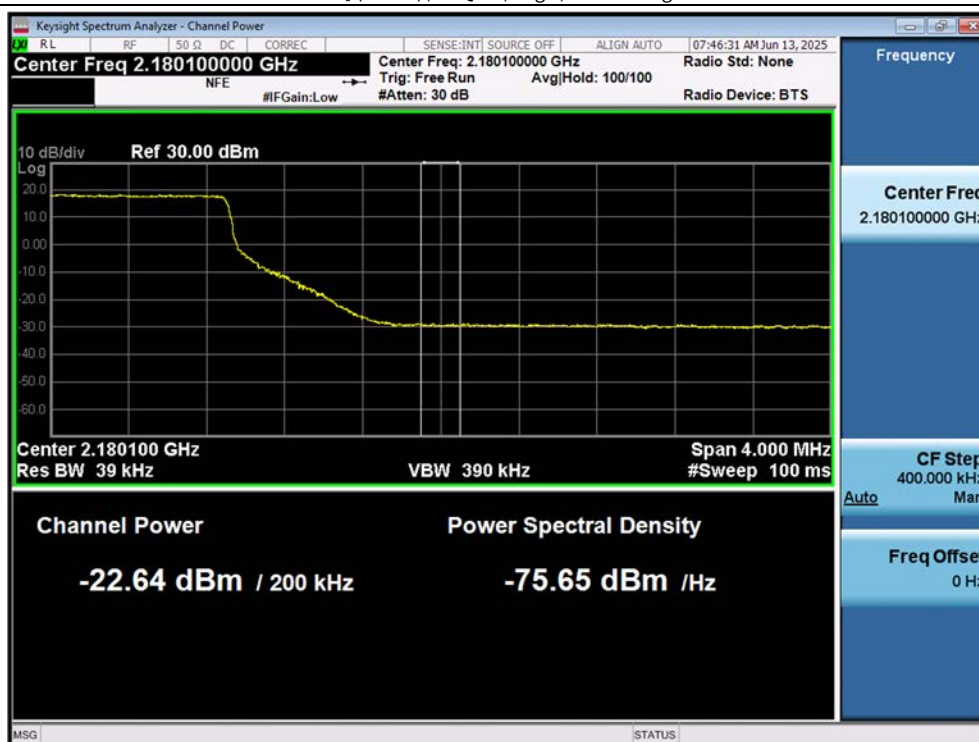
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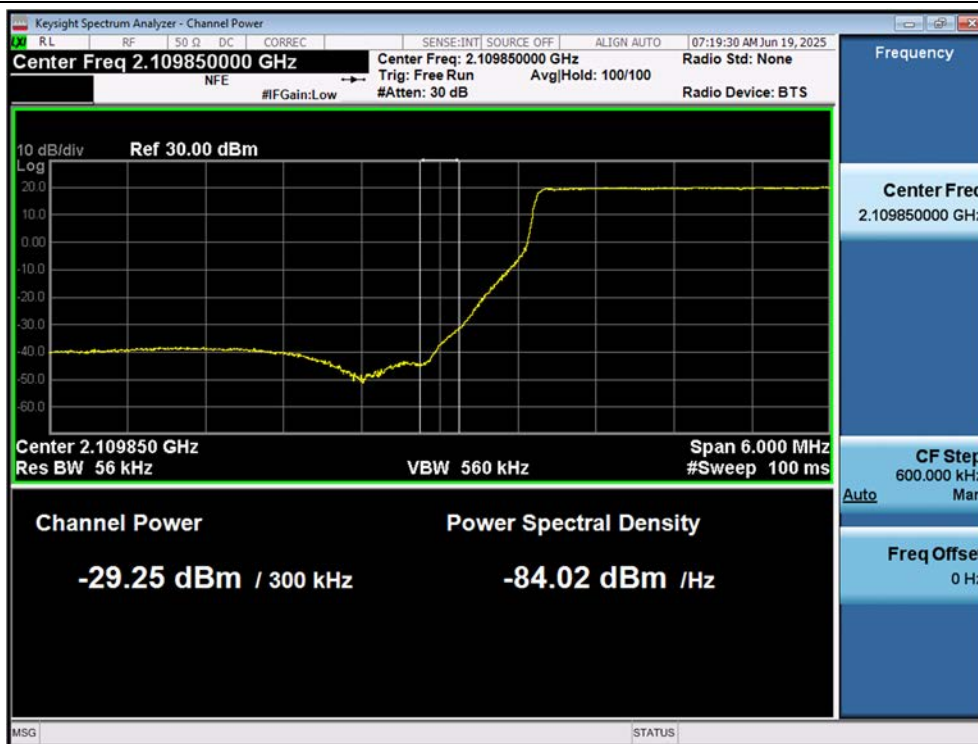
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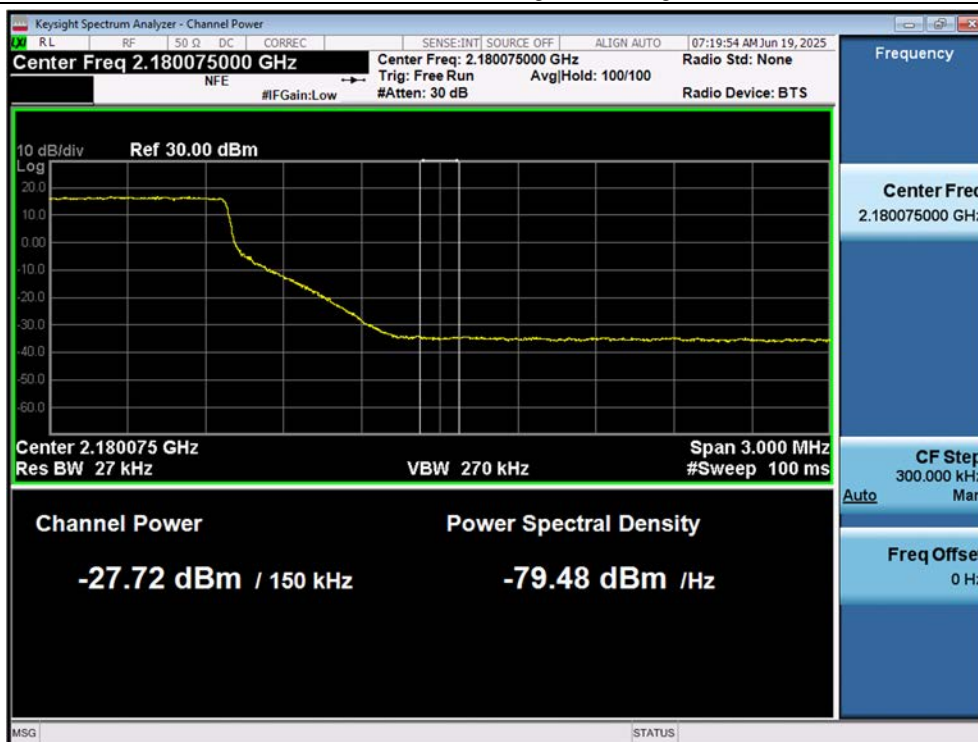
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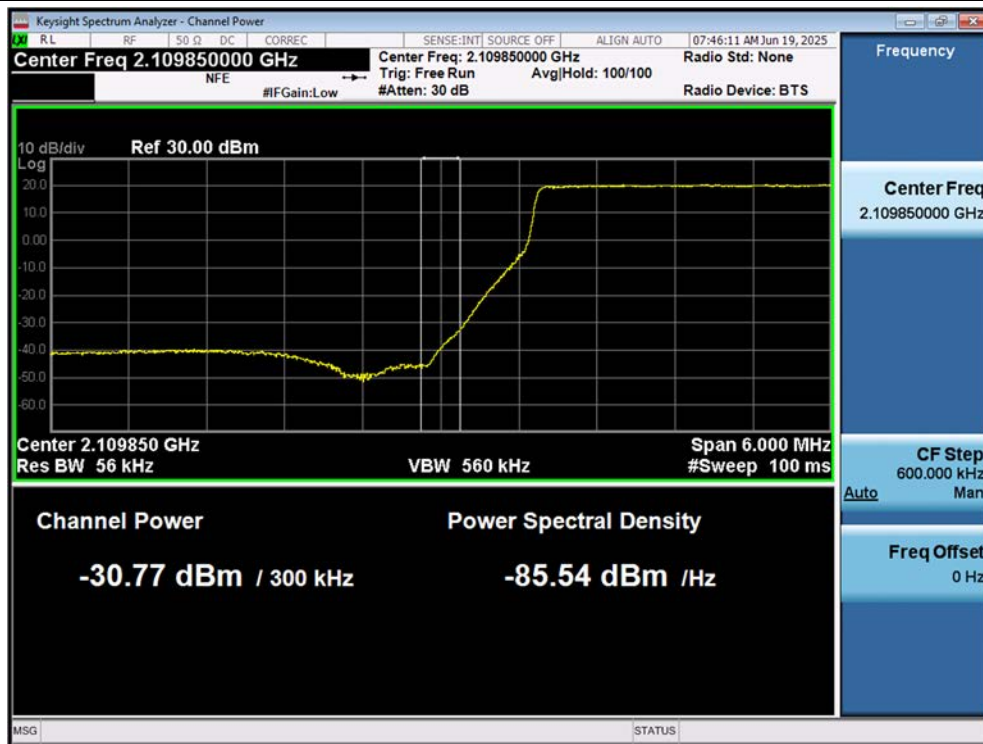
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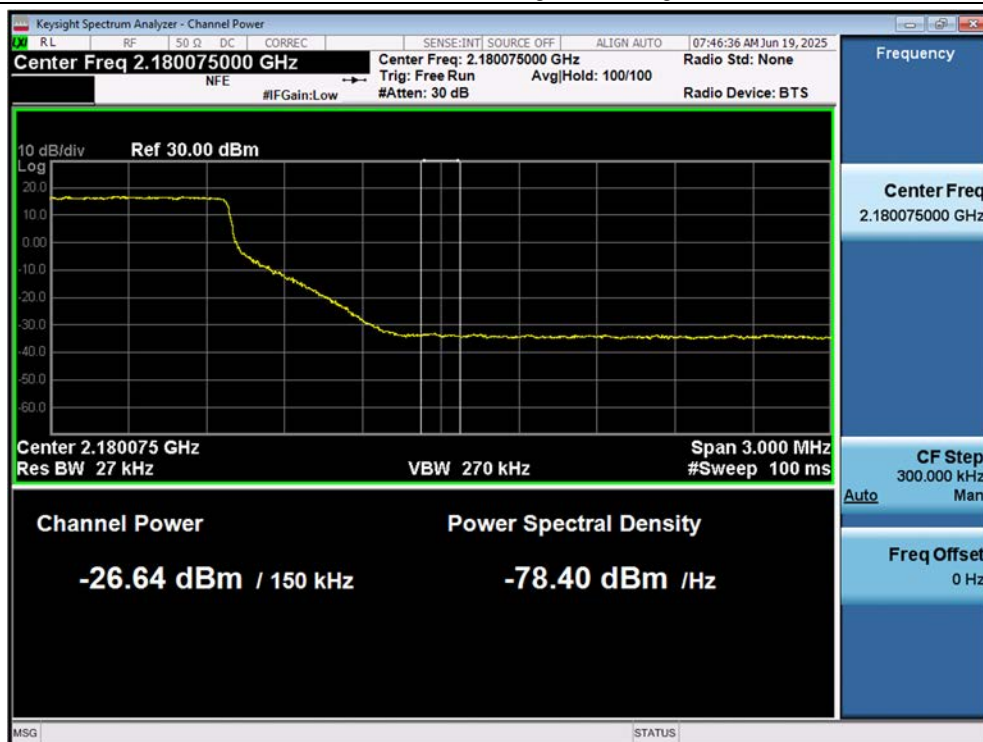
Antenna 0 / (4 Port) n66 5G NR 30 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 15 MHz 1 Carrier [5 Carrier] (1C+4C) / 64QAM / High / Non-Contiguous



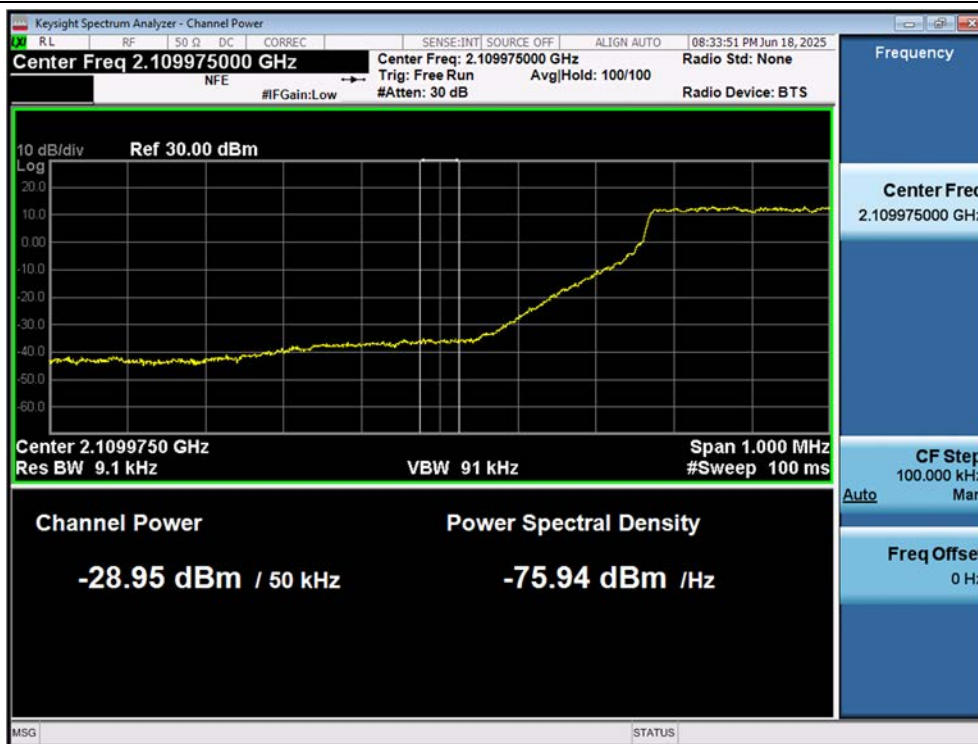
Antenna 0 / (4 Port) n66 5G NR 30 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 15 MHz 1 Carrier [5 Carrier] (4C+1C) / 64QAM / Low / Non-Contiguous



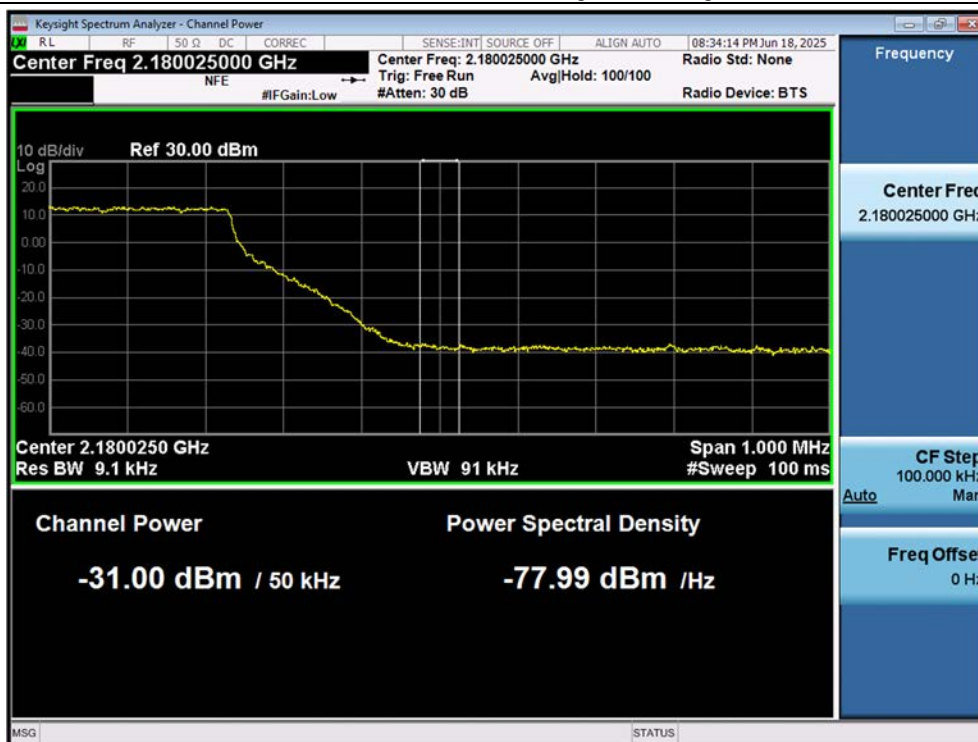
Antenna 0 / (4 Port) n66 5G NR 30 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 15 MHz 1 Carrier [5 Carrier] (4C+1C) / 64QAM / High / Non-Contiguous



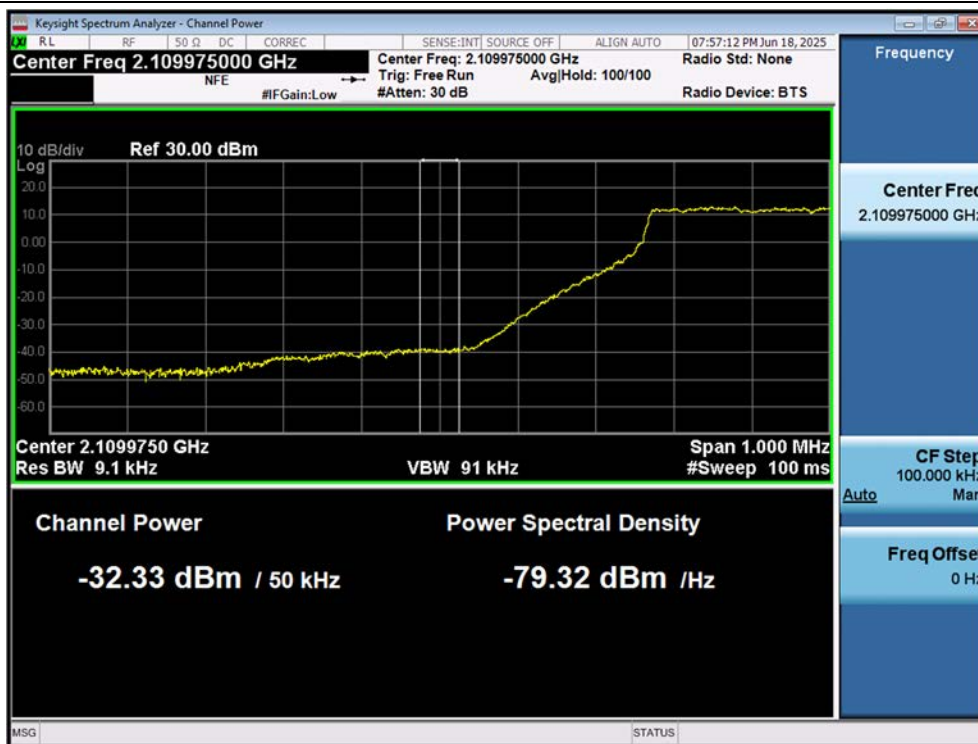
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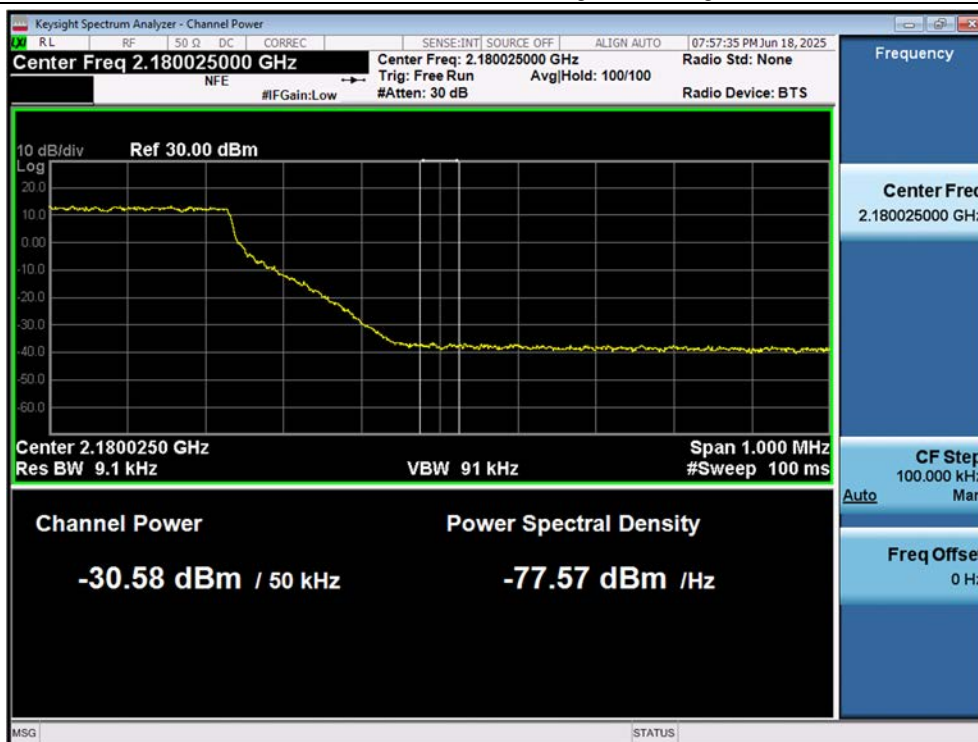
Antenna 0 / (4 Port) n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 15 MHz 1 Carrier + n66 5G NR 30 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [5 Carrier] (1C+4C) / 64QAM / High / Non-Contiguous



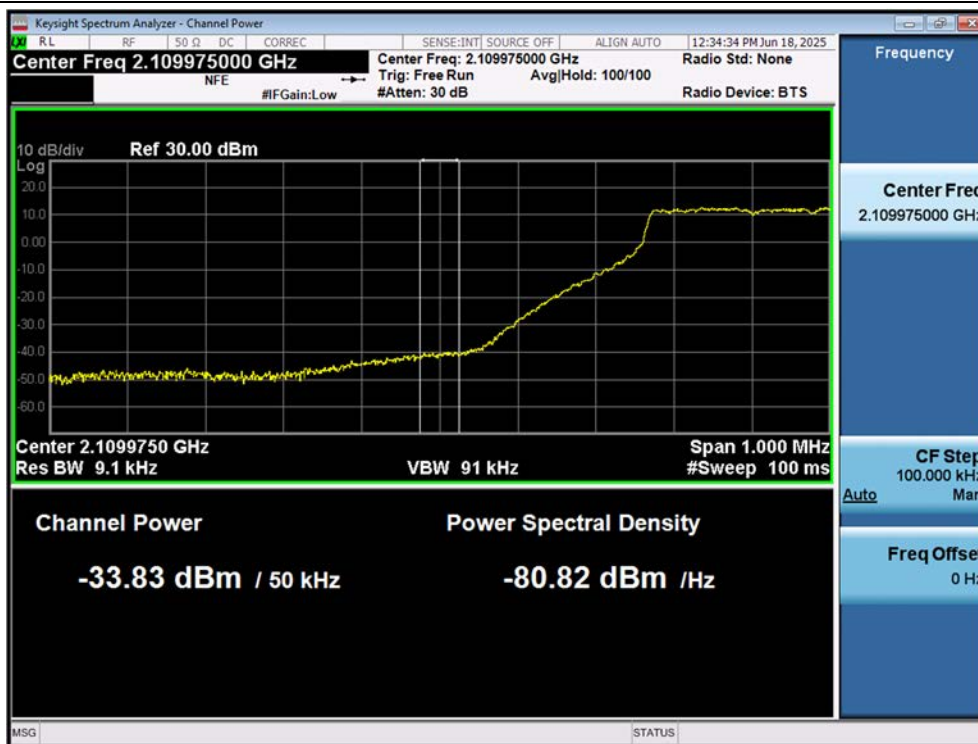
Antenna 0 / (4 Port) n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 15 MHz 1 Carrier + n66 5G NR 30 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [5 Carrier] (4C+1C) / 64QAM / Low / Non-Contiguous



Antenna 0 / (4 Port) n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 15 MHz 1 Carrier + n66 5G NR 30 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [5 Carrier] (4C+1C) / 64QAM / High / Non-Contiguous



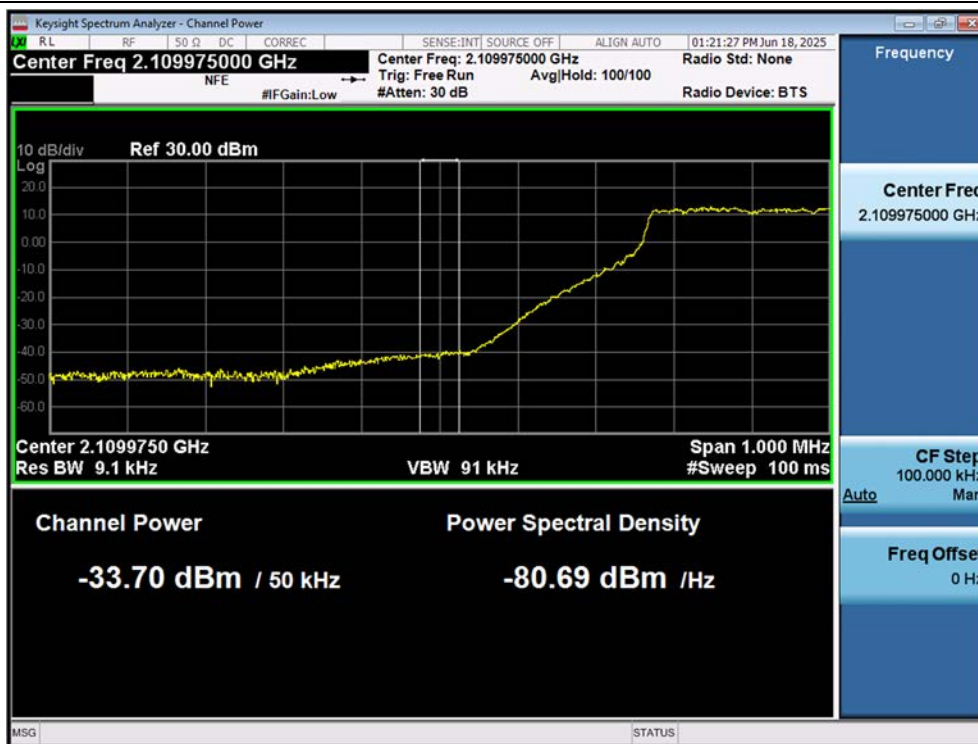
Antenna 0 / (4 Port) n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 15 MHz 1 Carrier + n66 5G NR 30 MHz 1 Carrier [5 Carrier] (1C+4C) / 64QAM / Low / Non-Contiguous



Antenna 0 / (4 Port) n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 15 MHz 1 Carrier + n66 5G NR 30 MHz 1 Carrier [5 Carrier] (1C+4C) / 64QAM / High / Non-Contiguous



Antenna 0 / (4 Port) n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 15 MHz 1 Carrier + n66 5G NR 30 MHz 1 Carrier [5 Carrier] (4C+1C) / 64QAM / Low / Non-Contiguous



Antenna 0 / (4 Port) n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 15 MHz 1 Carrier + n66 5G NR 30 MHz 1 Carrier [5 Carrier] (4C+1C) / 64QAM / High / Non-Contiguous



## 5.5. SPURIOUS UNWANTED EMISSIONS

### Test Requirements:

#### § 2.1051 Measurements required: Spurious emissions at antenna terminals.

The radio frequency voltage or powers generated within the equipment and appearing on a spurious frequency shall be checked at the equipment output terminals when properly loaded with a suitable artificial antenna. Curves or equivalent data shall show the magnitude of each harmonic and other spurious emission that can be detected when the equipment is operated under the conditions specified in § 2.1049 as appropriate. The magnitude of spurious emissions which are attenuated more than 20 dB below the permissible value need not be specified.

#### § 24.238 Emission limitations for Broadband PCS equipment.

The rules in this section govern the spectral characteristics of emissions in the Broadband Personal Communications Service.

- (a) Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB.
- (b) Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 MHz or 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

#### § 27.53 Emission limits.

- (h) AWS emission limits
  - (1) General protection levels. Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least  $43 + 10 \log_{10}(P)$  dB.
  - (3) Measurement procedure.
    - (i) Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at

least 26 dB below the transmitter power.

- (ii) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the licensee's frequency block edges, both upper and lower, as the design permits.
- (iii) The measurements of emission power can be expressed in peak or average values, provided they are expressed in the same parameters as the transmitter power.

#### **Test Procedures:**

The measurement is performed in accordance with Section 5.7.2, 5.7.4 of ANSI C63.26.

#### **5.7.2 Basic guidelines for unwanted emissions conducted measurements**

- a) For improvement of the accuracy in the measurement of the average power of a noise-like emission, a RBW narrower than the specified reference bandwidth can be used (generally limited to no less than 1% of the OBW), provided that a subsequent integration is performed over the full required measurement bandwidth. This integration should be performed using the spectrum analyzer's channel power, adjacent channel power, or band power functions. When using the integration method at the channel/block/band edge, the starting frequency of the integration shall be centered at one-half of the RBW away from the band/channel/block edge.

#### **5.7.4 Spurious unwanted emission measurements**

- a) Set the spectrum analyzer start frequency to the lowest frequency generated by the EUT, without going below 9 kHz, and the stop frequency to the lower frequency covered by the measurements previously performed in 5.7.3. As an alternative, the stop frequency can be set to the value specified in 5.1.1, depending on the EUT operating range, if the resulting plot can clearly demonstrate compliance for all frequencies not addressed by the out-of-band emissions measurements performed as per 5.7.3.
- b) When using an average power (rms) detector, ensure that the number of points in the sweep  $\geq 2 \times (\text{span} / \text{RBW})$ . This may require that the measurement range defined by the start and stop frequencies be subdivided, depending on the spectrum analyzer capabilities. This requirement does not apply to peak-detected power measurements. When average power is specified by the applicable regulation, a peak-detector can be utilized for preliminary measurements to accommodate wider frequency spans. Any emissions found in the preliminary measurement to exceed the applicable limit(s) shall be further examined using a power averaging (rms) detector with the minimum number of measurement points as defined above.
- c) The sweep time should be set to auto-couple for performing peak-detector measurements. For measurements that use a power averaging (rms) detector, the sweep time shall be set as described for out-of-band emissions measurements in item d) of 5.7.3.
- d) Identify and measure the Highest spurious emission levels in each frequency range. It is not necessary to re-measure the out-of-band emissions as a part of this test. Record the frequencies and amplitudes corresponding to the measured emissions and capture the data plots.
- e) Repeat step b) through step d) for the upper spurious emission frequency range if not already captured by a wide span measurement performed as per the alternative provided in step a). The upper frequency for this measurement is defined in 5.1.1 as a function of the EUT operating range.
- f) Compare the results with the corresponding limit in the applicable regulation.
- g) The test report shall include the data plots of the measuring instrument display and the measured data.

**Note:**

1. In some frequency ranges, the RBW was reduced to 0.1%, 1%, and 10% of the reference bandwidth for measuring unwanted emissions levels. Therefore, the limit lines were compensated according to section 5.7.2 of ANSI C63.26-2015.

| Reduced RBW             | 0.1 %  | 1 %    | 10 %   |
|-------------------------|--------|--------|--------|
| Limit line compensation | -30 dB | -20 dB | -10 dB |

2. Due to MIMO operations, a correction has been added to the limit according to KDB 662911 D01 v02r01.
  - 4Tx MIMO correction:  $10 \log(N_{\text{ANT}}) = 10 \log(4) = 6.02 \text{ dB}$  //  $-13 \text{ dBm} - 10 \log(4) = -19.02 \text{ dBm}$If the correction value above is not exceeded per port, the MIMO combined value will not exceed the limit.
3. The results of the Spurious Unwanted Emissions shown above the frequency measured values are very small and similar trend for each port, so we are attached only the worst-case plot.

## Test Results:

## Tabular Data of RF Spurious Unwanted Emissions

## (4 Port) B25 LTE 5 MHz 1 Carrier

| Port  | Modulation | Channel | Measured Level (dBm) |                     |                                   |                                                |                          |                          |                                                  |                                    |                    |
|-------|------------|---------|----------------------|---------------------|-----------------------------------|------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------|------------------------------------|--------------------|
|       |            |         | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low Edge<br>- 100 MHz | Low Edge<br>- 100 MHz<br>~ Low Edge<br>- 2 MHz | 1 928 MHz ~<br>1 929 MHz | 1 996 MHz ~<br>1 997 MHz | High Edge<br>+ 2 MHz ~<br>High Edge<br>+ 100 MHz | High Edge<br>+ 100 MHz<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | Low     | -22.889              | -28.659             | -36.930                           | -20.919                                        | -20.250                  | -                        | -21.616                                          | -25.498                            | -27.248            |
|       |            | Middle  | -23.022              | -27.849             | -37.700                           | -24.496                                        | -                        | -                        | -24.087                                          | -25.794                            | -27.039            |
|       |            | High    | -22.714              | -25.826             | -36.779                           | -25.396                                        | -                        | -21.748                  | -22.220                                          | -25.853                            | -27.234            |
| 1     |            | Low     | -22.532              | -28.135             | -34.340                           | -21.341                                        | -21.327                  | -                        | -23.858                                          | -24.868                            | -27.672            |
|       |            | Middle  | -22.808              | -29.712             | -35.191                           | -23.036                                        | -                        | -                        | -24.635                                          | -25.208                            | -27.631            |
|       |            | High    | -23.449              | -29.377             | -34.902                           | -24.904                                        | -                        | -20.276                  | -20.212                                          | -25.289                            | -27.542            |
| 2     |            | Low     | -22.668              | -28.009             | -33.628                           | -20.668                                        | -20.426                  | -                        | -23.724                                          | -22.597                            | -27.226            |
|       |            | Middle  | -22.737              | -30.707             | -34.235                           | -23.945                                        | -                        | -                        | -23.554                                          | -22.697                            | -27.246            |
|       |            | High    | -23.667              | -28.306             | -33.797                           | -24.403                                        | -                        | -20.957                  | -23.636                                          | -22.721                            | -27.418            |
| 3     |            | Low     | -22.574              | -27.879             | -36.584                           | -20.752                                        | -20.984                  | -                        | -24.097                                          | -24.551                            | -27.578            |
|       |            | Middle  | -23.336              | -27.062             | -37.165                           | -23.633                                        | -                        | -                        | -24.713                                          | -24.757                            | -27.644            |
|       |            | High    | -23.660              | -23.730             | -36.453                           | -24.456                                        | -                        | -22.557                  | -23.062                                          | -24.754                            | -27.614            |
| Limit |            |         | -19.02               |                     |                                   |                                                |                          |                          |                                                  |                                    |                    |

## (4 Port) B25 LTE 10 MHz 1 Carrier

| Port  | Modulation | Channel | Measured Level (dBm) |                     |                                   |                                                |                          |                          |                                                  |                                    |                    |
|-------|------------|---------|----------------------|---------------------|-----------------------------------|------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------|------------------------------------|--------------------|
|       |            |         | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low Edge<br>- 100 MHz | Low Edge<br>- 100 MHz<br>~ Low Edge<br>- 2 MHz | 1 928 MHz ~<br>1 929 MHz | 1 996 MHz ~<br>1 997 MHz | High Edge<br>+ 2 MHz ~<br>High Edge<br>+ 100 MHz | High Edge<br>+ 100 MHz<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | Low     | -22.788              | -28.091             | -37.180                           | -20.397                                        | -20.302                  | -                        | -25.890                                          | -25.768                            | -27.227            |
|       |            | Middle  | -23.421              | -26.646             | -37.187                           | -25.434                                        | -                        | -                        | -25.301                                          | -25.862                            | -27.287            |
|       |            | High    | -22.693              | -26.671             | -37.082                           | -25.271                                        | -                        | -21.371                  | -20.524                                          | -25.548                            | -27.341            |
| 1     |            | Low     | -22.627              | -28.082             | -35.042                           | -20.413                                        | -20.261                  | -                        | -24.409                                          | -25.164                            | -27.621            |
|       |            | Middle  | -22.612              | -30.558             | -35.138                           | -25.663                                        | -                        | -                        | -25.055                                          | -25.236                            | -27.645            |
|       |            | High    | -22.872              | -30.491             | -35.017                           | -26.215                                        | -                        | -22.389                  | -21.804                                          | -25.303                            | -27.575            |
| 2     |            | Low     | -22.664              | -29.332             | -34.078                           | -20.794                                        | -20.680                  | -                        | -24.428                                          | -23.028                            | -27.361            |
|       |            | Middle  | -23.119              | -28.421             | -33.982                           | -24.418                                        | -                        | -                        | -24.033                                          | -22.850                            | -27.344            |
|       |            | High    | -22.876              | -29.129             | -34.019                           | -25.248                                        | -                        | -21.020                  | -20.127                                          | -22.757                            | -27.436            |
| 3     |            | Low     | -22.689              | -27.844             | -36.726                           | -20.229                                        | -20.369                  | -                        | -25.109                                          | -24.988                            | -27.481            |
|       |            | Middle  | -22.912              | -28.458             | -36.880                           | -25.737                                        | -                        | -                        | -25.497                                          | -24.894                            | -27.640            |
|       |            | High    | -22.990              | -25.750             | -36.593                           | -26.145                                        | -                        | -22.171                  | -22.088                                          | -24.889                            | -27.521            |
| Limit |            |         | -19.02               |                     |                                   |                                                |                          |                          |                                                  |                                    |                    |

## (4 Port) B25 LTE 15 MHz 1 Carrier

| Port  | Modulation | Channel | Measured Level (dBm) |                     |                                                 |                                                |                          |                          |                                                  |                                    |                    |
|-------|------------|---------|----------------------|---------------------|-------------------------------------------------|------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------|------------------------------------|--------------------|
|       |            |         | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low Edge<br>~ Low Edge<br>- 100 MHz | Low Edge<br>- 100 MHz<br>~ Low Edge<br>- 2 MHz | 1 928 MHz ~<br>1 929 MHz | 1 996 MHz ~<br>1 997 MHz | High Edge<br>+ 2 MHz ~<br>High Edge<br>+ 100 MHz | High Edge<br>+ 100 MHz<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | Low     | -22.721              | -28.231             | -37.200                                         | -21.607                                        | -21.702                  | -                        | -25.174                                          | -25.747                            | -27.287            |
|       |            | Middle  | -22.782              | -27.736             | -37.034                                         | -24.766                                        | -                        | -                        | -24.154                                          | -25.684                            | -27.253            |
|       |            | High    | -22.688              | -27.585             | -37.151                                         | -22.702                                        | -                        | -22.534                  | -20.277                                          | -25.679                            | -27.274            |
| 1     |            | Low     | -23.080              | -31.053             | -35.092                                         | -20.663                                        | -20.313                  | -                        | -24.619                                          | -25.181                            | -27.672            |
|       |            | Middle  | -23.507              | -30.001             | -35.069                                         | -25.067                                        | -                        | -                        | -23.868                                          | -25.179                            | -27.539            |
|       |            | High    | -22.887              | -31.111             | -35.035                                         | -22.999                                        | -                        | -21.723                  | -21.687                                          | -25.162                            | -27.416            |
| 2     |            | Low     | -23.351              | -30.212             | -34.059                                         | -22.189                                        | -21.913                  | -                        | -24.674                                          | -22.721                            | -27.455            |
|       |            | Middle  | -22.813              | -31.025             | -34.051                                         | -23.426                                        | -                        | -                        | -22.929                                          | -22.816                            | -27.430            |
|       |            | High    | -23.651              | -28.252             | -33.936                                         | -23.792                                        | -                        | -20.766                  | -20.210                                          | -22.735                            | -27.564            |
| 3     |            | Low     | -22.901              | -28.998             | -36.616                                         | -21.459                                        | -21.640                  | -                        | -24.547                                          | -24.855                            | -27.650            |
|       |            | Middle  | -22.888              | -28.697             | -36.698                                         | -25.377                                        | -                        | -                        | -24.882                                          | -24.777                            | -27.570            |
|       |            | High    | -22.621              | -28.799             | -36.637                                         | -24.633                                        | -                        | -22.378                  | -20.502                                          | -24.885                            | -27.686            |
| Limit |            |         | -19.02               |                     |                                                 |                                                |                          |                          |                                                  |                                    |                    |

## (4 Port) B25 LTE 20 MHz 1 Carrier

| Port  | Modulation | Channel | Measured Level (dBm) |                     |                                                 |                                                |                          |                          |                                                  |                                    |                    |
|-------|------------|---------|----------------------|---------------------|-------------------------------------------------|------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------|------------------------------------|--------------------|
|       |            |         | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low Edge<br>~ Low Edge<br>- 100 MHz | Low Edge<br>- 100 MHz<br>~ Low Edge<br>~ 2 MHz | 1 928 MHz ~<br>1 929 MHz | 1 996 MHz ~<br>1 997 MHz | High Edge<br>+ 2 MHz ~<br>High Edge<br>+ 100 MHz | High Edge<br>+ 100 MHz<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | Low     | -22.832              | -26.787             | -36.654                                         | -20.330                                        | -20.200                  | -                        | -23.817                                          | -25.705                            | -27.048            |
|       |            | Middle  | -22.532              | -27.613             | -36.887                                         | -23.550                                        | -                        | -                        | -24.403                                          | -25.730                            | -27.362            |
|       |            | High    | -22.612              | -26.690             | -36.724                                         | -22.423                                        | -                        | -21.793                  | -20.082                                          | -25.614                            | -27.275            |
| 1     |            | Low     | -22.665              | -29.530             | -34.849                                         | -20.080                                        | -21.591                  | -                        | -22.930                                          | -25.171                            | -27.685            |
|       |            | Middle  | -23.163              | -31.158             | -34.845                                         | -24.195                                        | -                        | -                        | -23.439                                          | -25.328                            | -27.591            |
|       |            | High    | -23.680              | -30.181             | -34.679                                         | -23.758                                        | -                        | -21.154                  | -20.808                                          | -25.226                            | -27.581            |
| 2     |            | Low     | -22.642              | -29.755             | -33.953                                         | -20.917                                        | -21.107                  | -                        | -23.486                                          | -22.821                            | -27.271            |
|       |            | Middle  | -23.520              | -28.699             | -33.925                                         | -23.217                                        | -                        | -                        | -23.613                                          | -22.999                            | -27.411            |
|       |            | High    | -22.941              | -31.428             | -33.876                                         | -22.978                                        | -                        | -21.668                  | -21.597                                          | -22.825                            | -27.510            |
| 3     |            | Low     | -22.910              | -27.551             | -36.302                                         | -21.783                                        | -22.507                  | -                        | -25.012                                          | -24.782                            | -27.639            |
|       |            | Middle  | -22.636              | -27.913             | -36.447                                         | -25.165                                        | -                        | -                        | -24.604                                          | -24.858                            | -27.652            |
|       |            | High    | -22.531              | -27.008             | -36.346                                         | -25.098                                        | -                        | -22.219                  | -20.214                                          | -24.737                            | -27.601            |
| Limit |            |         | -19.02               |                     |                                                 |                                                |                          |                          |                                                  |                                    |                    |

## (4 Port) n25 5G NR 5 MHz 1 Carrier

| Port   | Modulation | Channel | Measured Level (dBm) |                     |                                   |                                                |                          |                          |                                                  |                                    |                    |
|--------|------------|---------|----------------------|---------------------|-----------------------------------|------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------|------------------------------------|--------------------|
|        |            |         | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low Edge<br>~ 100 MHz | Low Edge<br>- 100 MHz<br>~ Low Edge<br>- 2 MHz | 1 928 MHz ~<br>1 929 MHz | 1 996 MHz ~<br>1 997 MHz | High Edge<br>+ 2 MHz ~<br>High Edge<br>+ 100 MHz | High Edge<br>+ 100 MHz<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0      | 64QAM      | Low     | -23.114              | -27.592             | -37.686                           | -20.429                                        | -20.743                  | -                        | -25.482                                          | -25.813                            | -27.523            |
|        |            | Middle  | -23.006              | -28.290             | -37.630                           | -25.736                                        | -                        | -                        | -26.241                                          | -25.644                            | -27.395            |
|        |            | High    | -23.106              | -28.127             | -37.546                           | -26.709                                        | -                        | -23.151                  | -23.521                                          | -25.696                            | -27.625            |
| Low    |            | -23.505 | -30.341              | -35.227             | -21.063                           | -20.633                                        | -                        | -23.052                  | -25.252                                          | -27.746                            |                    |
| Middle |            | -23.643 | -29.790              | -35.172             | -25.324                           | -                                              | -                        | -25.532                  | -25.129                                          | -27.870                            |                    |
| High   |            | -23.667 | -31.695              | -35.289             | -26.058                           | -                                              | -22.645                  | -23.249                  | -25.137                                          | -27.882                            |                    |
| 2      |            | Low     | -23.217              | -29.724             | -34.304                           | -21.031                                        | -20.069                  | -                        | -24.247                                          | -22.835                            | -27.477            |
|        |            | Middle  | -23.999              | -30.600             | -34.153                           | -23.397                                        | -                        | -                        | -23.579                                          | -22.833                            | -27.546            |
|        |            | High    | -23.441              | -29.839             | -34.256                           | -24.732                                        | -                        | -21.797                  | -22.380                                          | -22.870                            | -27.724            |
| 3      |            | Low     | -23.132              | -28.295             | -37.148                           | -21.627                                        | -20.805                  | -                        | -25.631                                          | -24.795                            | -27.767            |
|        |            | Middle  | -22.880              | -28.599             | -37.057                           | -25.110                                        | -                        | -                        | -25.396                                          | -24.612                            | -27.858            |
|        |            | High    | -23.548              | -28.202             | -37.049                           | -26.309                                        | -                        | -22.859                  | -23.625                                          | -24.869                            | -27.913            |
| Limit  |            |         | -19.02               |                     |                                   |                                                |                          |                          |                                                  |                                    |                    |

## (4 Port) n25 5G NR 10 MHz 1 Carrier

| Port  | Modulation | Channel | Measured Level (dBm) |                     |                                   |                                                |                          |                          |                                                  |                                    |                    |
|-------|------------|---------|----------------------|---------------------|-----------------------------------|------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------|------------------------------------|--------------------|
|       |            |         | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low Edge<br>~ 100 MHz | Low Edge<br>~ 100 MHz<br>~ Low Edge<br>~ 2 MHz | 1 928 MHz ~<br>1 929 MHz | 1 996 MHz ~<br>1 997 MHz | High Edge<br>+ 2 MHz ~<br>High Edge<br>+ 100 MHz | High Edge<br>+ 100 MHz<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | Low     | -22.913              | -27.763             | -37.071                           | -20.060                                        | -20.528                  | -                        | -25.601                                          | -25.594                            | -25.922            |
|       |            | Middle  | -22.790              | -27.465             | -37.128                           | -25.151                                        | -                        | -                        | -24.579                                          | -25.660                            | -26.051            |
|       |            | High    | -22.849              | -25.767             | -36.880                           | -26.047                                        | -                        | -21.100                  | -20.064                                          | -25.555                            | -25.766            |
| 1     |            | Low     | -23.570              | -29.802             | -35.017                           | -20.270                                        | -21.022                  | -                        | -24.301                                          | -25.122                            | -26.437            |
|       |            | Middle  | -22.868              | -29.961             | -35.112                           | -25.427                                        | -                        | -                        | -23.859                                          | -25.277                            | -26.290            |
|       |            | High    | -22.756              | -30.233             | -34.928                           | -26.299                                        | -                        | -20.732                  | -20.992                                          | -24.979                            | -26.295            |
| 2     |            | Low     | -23.247              | -30.579             | -34.083                           | -20.090                                        | -20.259                  | -                        | -24.181                                          | -22.809                            | -26.042            |
|       |            | Middle  | -23.207              | -29.263             | -34.039                           | -24.208                                        | -                        | -                        | -23.400                                          | -24.944                            | -25.988            |
|       |            | High    | -23.076              | -28.885             | -33.963                           | -24.900                                        | -                        | -20.929                  | -20.416                                          | -22.595                            | -25.940            |
| 3     |            | Low     | -22.618              | -27.912             | -36.682                           | -21.489                                        | -21.200                  | -                        | -25.598                                          | -24.846                            | -25.950            |
|       |            | Middle  | -23.827              | -27.469             | -36.638                           | -25.468                                        | -                        | -                        | -25.345                                          | -26.843                            | -26.099            |
|       |            | High    | -                    | -27.127             | -36.449                           | -25.837                                        | -                        | -20.456                  | -20.717                                          | -24.619                            | -26.148            |
| Limit |            |         | -19.02               |                     |                                   |                                                |                          |                          |                                                  |                                    |                    |

## (4 Port) n25 5G NR 15 MHz 1 Carrier

| Port  | Modulation | Channel | Measured Level (dBm) |                     |                                   |                                                |                          |                          |                                                  |                                    |                    |
|-------|------------|---------|----------------------|---------------------|-----------------------------------|------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------|------------------------------------|--------------------|
|       |            |         | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low Edge<br>~ 100 MHz | Low Edge<br>- 100 MHz<br>~ Low Edge<br>~ 2 MHz | 1 928 MHz ~<br>1 929 MHz | 1 996 MHz ~<br>1 997 MHz | High Edge<br>+ 2 MHz ~<br>High Edge<br>+ 100 MHz | High Edge<br>+ 100 MHz<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | Low     | -22.731              | -27.869             | -37.158                           | -20.422                                        | -20.252                  | -                        | -24.158                                          | -25.751                            | -27.158            |
|       |            | Middle  | -23.621              | -28.248             | -37.146                           | -21.588                                        | -                        | -                        | -24.288                                          | -25.774                            | -26.013            |
|       |            | High    | -23.223              | -28.261             | -37.066                           | -26.682                                        | -                        | -22.283                  | -22.654                                          | -25.705                            | -27.044            |
| 1     |            | Low     | -24.027              | -30.282             | -35.080                           | -20.932                                        | -20.906                  | -                        | -22.207                                          | -25.188                            | -27.557            |
|       |            | Middle  | -23.523              | -28.852             | -35.124                           | -24.420                                        | -                        | -                        | -23.655                                          | -25.289                            | -26.543            |
|       |            | High    | -22.927              | -29.882             | -35.008                           | -24.925                                        | -                        | -20.997                  | -21.671                                          | -25.179                            | -27.255            |
| 2     |            | Low     | -22.546              | -29.993             | -33.969                           | -21.019                                        | -20.776                  | -                        | -22.606                                          | -22.818                            | -27.284            |
|       |            | Middle  | -22.604              | -30.730             | -34.040                           | -24.482                                        | -                        | -                        | -23.578                                          | -22.814                            | -26.131            |
|       |            | High    | -22.764              | -28.937             | -33.925                           | -25.656                                        | -                        | -20.970                  | -20.397                                          | -22.743                            | -27.127            |
| 3     |            | Low     | -22.844              | -28.089             | -36.731                           | -21.563                                        | -21.258                  | -                        | -25.472                                          | -24.776                            | -27.300            |
|       |            | Middle  | -23.715              | -29.894             | -36.641                           | -24.964                                        | -                        | -                        | -25.069                                          | -24.928                            | -26.319            |
|       |            | High    | -23.567              | -27.804             | -36.600                           | -25.588                                        | -                        | -21.140                  | -21.545                                          | -24.694                            | -27.289            |
| Limit |            |         | -19.02               |                     |                                   |                                                |                          |                          |                                                  |                                    |                    |

## (4 Port) n25 5G NR 20 MHz 1 Carrier

| Port  | Modulation | Channel | Measured Level (dBm) |                     |                                   |                                                |                          |                          |                                                  |                                    |                    |
|-------|------------|---------|----------------------|---------------------|-----------------------------------|------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------|------------------------------------|--------------------|
|       |            |         | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low Edge<br>~ 100 MHz | Low Edge<br>- 100 MHz<br>~ Low Edge<br>~ 2 MHz | 1 928 MHz ~<br>1 929 MHz | 1 996 MHz ~<br>1 997 MHz | High Edge<br>+ 2 MHz ~<br>High Edge<br>+ 100 MHz | High Edge<br>+ 100 MHz<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | Low     | -23.509              | -28.149             | -36.738                           | -20.136                                        | -20.155                  | -                        | -23.395                                          | -25.461                            | -27.173            |
|       |            | Middle  | -23.238              | -26.810             | -36.673                           | -23.242                                        | -                        | -                        | -22.811                                          | -25.587                            | -27.155            |
|       |            | High    | -22.688              | -26.440             | -36.742                           | -24.898                                        | -                        | -22.033                  | -21.132                                          | -25.388                            | -26.937            |
| 1     |            | Low     | -22.558              | -28.664             | -34.779                           | -21.215                                        | -20.499                  | -                        | -23.845                                          | -25.003                            | -27.712            |
|       |            | Middle  | -22.663              | -30.579             | -34.697                           | -24.612                                        | -                        | -                        | -23.786                                          | -25.059                            | -27.543            |
|       |            | High    | -22.585              | -29.713             | -34.765                           | -26.236                                        | -                        | -20.422                  | -20.653                                          | -24.825                            | -27.440            |
| 2     |            | Low     | -22.648              | -30.698             | -33.865                           | -21.705                                        | -20.750                  | -                        | -24.190                                          | -22.682                            | -27.154            |
|       |            | Middle  | -22.758              | -28.971             | -33.823                           | -23.507                                        | -                        | -                        | -22.957                                          | -22.673                            | -27.390            |
|       |            | High    | -22.521              | -29.931             | -33.707                           | -25.139                                        | -                        | -21.268                  | -21.259                                          | -22.464                            | -27.416            |
| 3     |            | Low     | -22.558              | -28.151             | -36.398                           | -22.590                                        | -22.542                  | -                        | -25.227                                          | -24.657                            | -27.480            |
|       |            | Middle  | -22.805              | -28.012             | -36.405                           | -23.292                                        | -                        | -                        | -23.729                                          | -24.649                            | -27.662            |
|       |            | High    | -22.819              | -27.254             | -36.309                           | -27.102                                        | -                        | -21.630                  | -21.627                                          | -24.584                            | -27.552            |
| Limit |            |         | -19.02               |                     |                                   |                                                |                          |                          |                                                  |                                    |                    |

## (4 Port) n25 5G NR 25 MHz 1 Carrier

| Port  | Modulation | Channel | Measured Level (dBm) |                     |                                   |                                                |                          |                          |                                                  |                                    |                    |
|-------|------------|---------|----------------------|---------------------|-----------------------------------|------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------|------------------------------------|--------------------|
|       |            |         | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low Edge<br>- 100 MHz | Low Edge<br>- 100 MHz<br>~ Low Edge<br>- 2 MHz | 1 928 MHz ~<br>1 929 MHz | 1 996 MHz ~<br>1 997 MHz | High Edge<br>+ 2 MHz ~<br>High Edge<br>+ 100 MHz | High Edge<br>+ 100 MHz<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | Low     | -23.104              | -27.737             | -36.776                           | -21.262                                        | -21.641                  | -                        | -24.561                                          | -25.555                            | -27.271            |
|       |            | Middle  | -23.036              | -27.511             | -36.899                           | -22.094                                        | -                        | -                        | -21.457                                          | -25.349                            | -27.261            |
|       |            | High    | -22.708              | -27.657             | -36.695                           | -22.145                                        | -                        | -21.703                  | -20.301                                          | -25.674                            | -27.131            |
| 1     |            | Low     | -22.867              | -29.979             | -34.805                           | -22.385                                        | -22.679                  | -                        | -24.788                                          | -25.124                            | -27.712            |
|       |            | Middle  | -23.004              | -30.915             | -34.860                           | -22.084                                        | -                        | -                        | -22.131                                          | -25.100                            | -27.580            |
|       |            | High    | -22.862              | -29.545             | -34.797                           | -24.551                                        | -                        | -21.261                  | -20.957                                          | -25.101                            | -27.576            |
| 2     |            | Low     | -23.690              | -28.587             | -33.920                           | -21.766                                        | -21.636                  | -                        | -22.664                                          | -22.804                            | -27.404            |
|       |            | Middle  | -23.084              | -29.468             | -33.958                           | -24.822                                        | -                        | -                        | -23.459                                          | -22.605                            | -27.329            |
|       |            | High    | -22.932              | -30.501             | -33.882                           | -24.645                                        | -                        | -21.314                  | -21.899                                          | -22.808                            | -27.355            |
| 3     |            | Low     | -22.742              | -28.466             | -36.352                           | -23.315                                        | -23.499                  | -                        | -22.871                                          | -24.790                            | -27.677            |
|       |            | Middle  | -23.893              | -28.001             | -36.499                           | -24.133                                        | -                        | -                        | -23.665                                          | -24.567                            | -27.537            |
|       |            | High    | -22.689              | -27.664             | -36.101                           | -26.015                                        | -                        | -22.552                  | -22.917                                          | -24.670                            | -27.616            |
| Limit |            |         | -19.02               |                     |                                   |                                                |                          |                          |                                                  |                                    |                    |

## (4 Port) n25 5G NR 30 MHz 1 Carrier

| Port   | Modulation | Channel | Measured Level (dBm) |                     |                                   |                                                |                          |                          |                                                  |                                    |                    |
|--------|------------|---------|----------------------|---------------------|-----------------------------------|------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------|------------------------------------|--------------------|
|        |            |         | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low Edge<br>- 100 MHz | Low Edge<br>- 100 MHz<br>~ Low Edge<br>- 2 MHz | 1 928 MHz ~<br>1 929 MHz | 1 996 MHz ~<br>1 997 MHz | High Edge<br>+ 2 MHz ~<br>High Edge<br>+ 100 MHz | High Edge<br>+ 100 MHz<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0      | 64QAM      | Low     | -22.725              | -29.557             | -36.845                           | -21.328                                        | -21.793                  | -                        | -24.793                                          | -25.579                            | -27.188            |
|        |            | Middle  | -22.873              | -28.214             | -36.750                           | -23.015                                        | -                        | -                        | -22.334                                          | -25.644                            | -27.164            |
|        |            | High    | -23.722              | -29.071             | -36.799                           | -24.618                                        | -                        | -20.419                  | -21.304                                          | -25.659                            | -27.308            |
| Low    |            | -23.743 | -29.556              | -34.851             | -23.329                           | -23.004                                        | -                        | -24.859                  | -25.102                                          | -27.662                            |                    |
| Middle |            | -22.918 | -30.498              | -34.909             | -24.202                           | -                                              | -                        | -23.569                  | -25.114                                          | -27.593                            |                    |
| High   |            | -23.428 | -29.664              | -34.854             | -24.954                           | -                                              | -21.591                  | -21.025                  | -25.069                                          | -27.648                            |                    |
| 2      |            | Low     | -23.084              | -28.510             | -33.865                           | -22.247                                        | -21.997                  | -                        | -24.444                                          | -22.790                            | -27.284            |
|        |            | Middle  | -23.035              | -31.705             | -33.934                           | -22.913                                        | -                        | -                        | -22.474                                          | -22.712                            | -27.356            |
|        |            | High    | -23.545              | -29.816             | -33.729                           | -24.773                                        | -                        | -20.325                  | -22.512                                          | -22.876                            | -27.336            |
| 3      |            | Low     | -23.743              | -28.946             | -36.363                           | -22.306                                        | -23.479                  | -                        | -24.890                                          | -24.693                            | -27.503            |
|        |            | Middle  | -23.396              | -27.736             | -36.453                           | -25.057                                        | -                        | -                        | -24.601                                          | -24.716                            | -27.474            |
|        |            | High    | -24.338              | -29.438             | -36.273                           | -24.896                                        | -                        | -22.753                  | -22.868                                          | -24.769                            | -27.488            |
| Limit  |            |         | -19.02               |                     |                                   |                                                |                          |                          |                                                  |                                    |                    |

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

| Port  | Modulation | Channel | Measured Level (dBm) |                     |                                   |                                                |                          |                          |                                                  |                                    |                    |
|-------|------------|---------|----------------------|---------------------|-----------------------------------|------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------|------------------------------------|--------------------|
|       |            |         | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low Edge<br>~ 100 MHz | Low Edge<br>- 100 MHz<br>~ Low Edge<br>- 2 MHz | 2 108 MHz ~<br>2 109 MHz | 2 181 MHz ~<br>2 182 MHz | High Edge<br>+ 2 MHz ~<br>High Edge<br>+ 100 MHz | High Edge<br>+ 100 MHz<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | Low     | -25.433              | -30.200             | -45.722                           | -25.839                                        | -28.177                  | -                        | -24.723                                          | -22.806                            | -30.981            |
|       |            | Middle  | -24.427              | -28.984             | -45.731                           | -27.212                                        | -                        | -                        | -24.644                                          | -22.559                            | -30.758            |
|       |            | High    | -25.984              | -30.648             | -45.417                           | -28.159                                        | -                        | -22.485                  | -20.373                                          | -21.822                            | -31.542            |
| 1     |            | Low     | -23.790              | -30.237             | -45.292                           | -28.457                                        | -29.873                  | -                        | -24.448                                          | -22.462                            | -30.322            |
|       |            | Middle  | -24.121              | -29.996             | -45.410                           | -27.693                                        | -                        | -                        | -24.299                                          | -22.831                            | -31.527            |
|       |            | High    | -23.877              | -30.512             | -45.446                           | -28.162                                        | -                        | -21.927                  | -20.575                                          | -23.094                            | -31.445            |
| 2     |            | Low     | -24.897              | -29.600             | -44.934                           | -23.816                                        | -29.423                  | -                        | -24.643                                          | -22.606                            | -31.225            |
|       |            | Middle  | -23.964              | -29.895             | -45.030                           | -28.448                                        | -                        | -                        | -25.116                                          | -22.969                            | -30.709            |
|       |            | High    | -23.657              | -29.774             | -44.603                           | -28.959                                        | -                        | -20.908                  | -20.362                                          | -21.820                            | -30.869            |
| 3     |            | Low     | -23.503              | -29.256             | -45.483                           | -28.282                                        | -28.913                  | -                        | -24.240                                          | -22.602                            | -30.788            |
|       |            | Middle  | -24.217              | -30.197             | -44.974                           | -27.393                                        | -                        | -                        | -24.220                                          | -22.717                            | -31.241            |
|       |            | High    | -23.707              | -30.191             | -45.190                           | -28.081                                        | -                        | -22.556                  | -21.988                                          | -23.047                            | -30.127            |
| Limit |            |         | -19.02               |                     |                                   |                                                |                          |                          |                                                  |                                    |                    |

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

| Port   | Modulation | Channel | Measured Level (dBm) |                     |                                   |                                                |                          |                          |                                                  |                                    |                    |
|--------|------------|---------|----------------------|---------------------|-----------------------------------|------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------|------------------------------------|--------------------|
|        |            |         | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low Edge<br>~ 100 MHz | Low Edge<br>~ 100 MHz<br>~ Low Edge<br>~ 2 MHz | 2 108 MHz ~<br>2 109 MHz | 2 181 MHz ~<br>2 182 MHz | High Edge<br>+ 2 MHz ~<br>High Edge<br>+ 100 MHz | High Edge<br>+ 100 MHz<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0      | 64QAM      | Low     | -24.225              | -28.125             | -45.156                           | -24.401                                        | -27.634                  | -                        | -24.734                                          | -23.516                            | -30.464            |
|        |            | Middle  | -24.875              | -29.136             | -44.550                           | -27.416                                        | -                        | -                        | -24.974                                          | -22.957                            | -30.778            |
|        |            | High    | -24.786              | -29.998             | -45.243                           | -28.185                                        | -                        | -20.259                  | -20.804                                          | -22.149                            | -31.004            |
| Low    |            | -22.908 | -28.986              | -44.691             | -27.475                           | -28.109                                        | -                        | -25.054                  | -23.070                                          | -31.522                            |                    |
| Middle |            | -23.282 | -28.061              | -44.723             | -27.466                           | -                                              | -                        | -24.614                  | -22.862                                          | -30.630                            |                    |
| High   |            | -23.403 | -29.956              | -45.161             | -28.527                           | -                                              | -21.057                  | -21.302                  | -23.848                                          | -30.158                            |                    |
| 2      |            | Low     | -24.323              | -28.425             | -44.237                           | -26.906                                        | -29.408                  | -                        | -25.224                                          | -22.769                            | -30.524            |
|        |            | Middle  | -23.862              | -29.771             | -44.238                           | -28.709                                        | -                        | -                        | -25.201                                          | -22.619                            | -30.516            |
|        |            | High    | -23.127              | -30.246             | -44.468                           | -29.032                                        | -                        | -22.123                  | -20.903                                          | -22.188                            | -30.494            |
| 3      |            | Low     | -23.622              | -28.338             | -44.484                           | -26.282                                        | -28.230                  | -                        | -24.449                                          | -22.574                            | -30.283            |
|        |            | Middle  | -24.647              | -28.469             | -44.296                           | -27.708                                        | -                        | -                        | -24.768                                          | -22.442                            | -30.577            |
|        |            | High    | -23.649              | -30.367             | -44.553                           | -28.077                                        | -                        | -21.433                  | -20.791                                          | -22.423                            | -30.971            |
| Limit  |            |         | -19.02               |                     |                                   |                                                |                          |                          |                                                  |                                    |                    |

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

| Port  | Modulation | Channel | Measured Level (dBm) |                     |                                   |                                                |                          |                          |                                                  |                                    |                    |
|-------|------------|---------|----------------------|---------------------|-----------------------------------|------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------|------------------------------------|--------------------|
|       |            |         | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low Edge<br>~ 100 MHz | Low Edge<br>~ 100 MHz<br>~ Low Edge<br>~ 2 MHz | 2 108 MHz ~<br>2 109 MHz | 2 181 MHz ~<br>2 182 MHz | High Edge<br>+ 2 MHz ~<br>High Edge<br>+ 100 MHz | High Edge<br>+ 100 MHz<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | Low     | -25.189              | -29.127             | -44.622                           | -25.813                                        | -28.415                  | -                        | -23.389                                          | -24.159                            | -30.161            |
|       |            | Middle  | -24.409              | -29.951             | -44.102                           | -26.990                                        | -                        | -                        | -24.566                                          | -21.885                            | -31.200            |
|       |            | High    | -25.353              | -30.469             | -45.700                           | -27.078                                        | -                        | -24.137                  | -23.053                                          | -25.212                            | -30.753            |
| 1     |            | Low     | -23.945              | -29.349             | -44.591                           | -24.461                                        | -22.467                  | -                        | -24.479                                          | -23.643                            | -31.339            |
|       |            | Middle  | -23.263              | -29.179             | -44.754                           | -25.042                                        | -                        | -                        | -24.912                                          | -21.868                            | -31.029            |
|       |            | High    | -23.647              | -30.451             | -45.702                           | -25.976                                        | -                        | -23.982                  | -23.094                                          | -25.428                            | -31.341            |
| 2     |            | Low     | -24.922              | -30.729             | -44.776                           | -28.545                                        | -30.262                  | -                        | -24.778                                          | -24.446                            | -30.424            |
|       |            | Middle  | -24.663              | -30.252             | -44.081                           | -28.744                                        | -                        | -                        | -24.489                                          | -21.539                            | -30.272            |
|       |            | High    | -23.852              | -30.434             | -45.211                           | -28.460                                        | -                        | -24.135                  | -22.793                                          | -24.768                            | -30.253            |
| 3     |            | Low     | -23.710              | -33.071             | -45.550                           | -38.803                                        | -28.145                  | -                        | -33.023                                          | -24.160                            | -30.806            |
|       |            | Middle  | -24.831              | -29.493             | -43.938                           | -27.338                                        | -                        | -                        | -24.198                                          | -21.669                            | -30.584            |
|       |            | High    | -24.614              | -30.388             | -44.741                           | -27.226                                        | -                        | -23.949                  | -21.959                                          | -24.725                            | -30.349            |
| Limit |            |         | -19.02               |                     |                                   |                                                |                          |                          |                                                  |                                    |                    |

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

| Port  | Modulation | Channel | Measured Level (dBm) |                     |                                   |                                                |                          |                          |                                                  |                                    |                    |
|-------|------------|---------|----------------------|---------------------|-----------------------------------|------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------|------------------------------------|--------------------|
|       |            |         | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low Edge<br>~ 100 MHz | Low Edge<br>~ 100 MHz<br>~ Low Edge<br>~ 2 MHz | 2 108 MHz ~<br>2 109 MHz | 2 181 MHz ~<br>2 182 MHz | High Edge<br>+ 2 MHz ~<br>High Edge<br>+ 100 MHz | High Edge<br>+ 100 MHz<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | Low     | -25.798              | -28.029             | -44.648                           | -20.176                                        | -23.551                  | -                        | -21.041                                          | -23.860                            | -30.833            |
|       |            | Middle  | -24.808              | -28.011             | -45.562                           | -26.867                                        | -                        | -                        | -22.932                                          | -25.020                            | -31.569            |
|       |            | High    | -23.963              | -27.772             | -44.768                           | -23.775                                        | -                        | -23.071                  | -21.852                                          | -22.131                            | -30.352            |
| 1     |            | Low     | -24.465              | -27.077             | -45.024                           | -23.351                                        | -26.921                  | -                        | -23.387                                          | -23.753                            | -30.962            |
|       |            | Middle  | -24.058              | -27.240             | -44.912                           | -24.824                                        | -                        | -                        | -24.744                                          | -25.029                            | -30.132            |
|       |            | High    | -24.529              | -28.159             | -44.657                           | -26.460                                        | -                        | -23.168                  | -22.555                                          | -22.699                            | -31.266            |
| 2     |            | Low     | -24.115              | -29.063             | -44.618                           | -21.488                                        | -25.043                  | -                        | -23.388                                          | -23.417                            | -31.117            |
|       |            | Middle  | -24.665              | -29.728             | -45.227                           | -28.115                                        | -                        | -                        | -24.328                                          | -24.793                            | -30.926            |
|       |            | High    | -25.027              | -29.322             | -44.358                           | -26.126                                        | -                        | -21.452                  | -20.442                                          | -22.285                            | -30.719            |
| 3     |            | Low     | -24.339              | -28.471             | -44.784                           | -21.772                                        | -25.620                  | -                        | -23.623                                          | -23.766                            | -30.793            |
|       |            | Middle  | -23.825              | -29.016             | -44.953                           | -26.882                                        | -                        | -                        | -24.481                                          | -24.743                            | -31.164            |
|       |            | High    | -24.911              | -29.138             | -44.807                           | -25.498                                        | -                        | -21.635                  | -21.021                                          | -22.300                            | -30.648            |
| Limit |            |         | -19.02               |                     |                                   |                                                |                          |                          |                                                  |                                    |                    |

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

| Port  | Modulation | Channel | Measured Level (dBm) |                     |                                   |                                                |                          |                          |                                                  |                                    |                      |
|-------|------------|---------|----------------------|---------------------|-----------------------------------|------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------|------------------------------------|----------------------|
|       |            |         | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low Edge<br>~ 100 MHz | Low Edge<br>- 100 MHz<br>~ Low Edge<br>- 2 MHz | 2 108 MHz ~<br>2 109 MHz | 2 181 MHz ~<br>2 182 MHz | High Edge<br>+ 2 MHz ~<br>High Edge<br>+ 100 MHz | High Edge<br>+ 100 MHz<br>~ 10 GHz | 10 GHz ~<br>26.5 GHz |
| 0     | 64QAM      | Low     | -26.605              | -24.861             | -43.578                           | -24.542                                        | -34.317                  | -                        | -23.584                                          | -23.240                            | -26.333              |
|       |            | Middle  | -26.762              | -25.148             | -43.148                           | -28.600                                        | -                        | -                        | -24.407                                          | -23.037                            | -25.537              |
|       |            | High    | -25.535              | -24.413             | -43.435                           | -28.736                                        | -                        | -21.083                  | -20.526                                          | -23.413                            | -26.121              |
| 1     |            | Low     | -23.655              | -24.487             | -47.220                           | -22.398                                        | -34.681                  | -                        | -24.011                                          | -25.046                            | -25.835              |
|       |            | Middle  | -23.665              | -25.419             | -47.142                           | -22.463                                        | -                        | -                        | -25.039                                          | -25.685                            | -25.699              |
|       |            | High    | -25.265              | -25.877             | -46.120                           | -22.923                                        | -                        | -21.595                  | -22.034                                          | -25.493                            | -26.316              |
| 2     |            | Low     | -27.259              | -26.641             | -45.428                           | -33.594                                        | -38.751                  | -                        | -24.596                                          | -22.615                            | -24.728              |
|       |            | Middle  | -26.740              | -26.616             | -45.292                           | -28.357                                        | -                        | -                        | -25.581                                          | -22.501                            | -24.830              |
|       |            | High    | -28.375              | -23.362             | -45.122                           | -28.370                                        | -                        | -21.502                  | -21.314                                          | -22.666                            | -24.983              |
| 3     |            | Low     | -30.295              | -26.870             | -45.349                           | -24.616                                        | -39.375                  | -                        | -22.296                                          | -22.642                            | -25.412              |
|       |            | Middle  | -31.083              | -26.382             | -45.723                           | -28.395                                        | -                        | -                        | -24.433                                          | -22.985                            | -25.040              |
|       |            | High    | -29.085              | -25.758             | -45.627                           | -29.469                                        | -                        | -21.191                  | -21.046                                          | -23.191                            | -25.146              |
| Limit |            |         | -19.02               |                     |                                   |                                                |                          |                          |                                                  |                                    |                      |

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

| Port  | Modulation | Channel | Measured Level (dBm) |                     |                                   |                                                |                          |                          |                                                  |                                    |                      |
|-------|------------|---------|----------------------|---------------------|-----------------------------------|------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------|------------------------------------|----------------------|
|       |            |         | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low Edge<br>~ 100 MHz | Low Edge<br>- 100 MHz<br>~ Low Edge<br>- 2 MHz | 2 108 MHz ~<br>2 109 MHz | 2 181 MHz ~<br>2 182 MHz | High Edge<br>+ 2 MHz ~<br>High Edge<br>+ 100 MHz | High Edge<br>+ 100 MHz<br>~ 10 GHz | 10 GHz ~<br>26.5 GHz |
| 0     | 64QAM      | Low     | -27.262              | -24.613             | -43.679                           | -23.606                                        | -32.027                  | -                        | -23.664                                          | -24.118                            | -28.992              |
|       |            | Middle  | -29.001              | -23.699             | -43.479                           | -24.018                                        | -                        | -                        | -24.634                                          | -24.104                            | -29.222              |
|       |            | High    | -30.197              | -23.349             | -43.136                           | -23.607                                        | -                        | -23.300                  | -20.855                                          | -22.895                            | -28.680              |
| 1     |            | Low     | -25.108              | -24.041             | -47.051                           | -26.568                                        | -35.419                  | -                        | -24.224                                          | -25.945                            | -29.195              |
|       |            | Middle  | -25.844              | -22.741             | -46.750                           | -24.816                                        | -                        | -                        | -25.061                                          | -23.357                            | -29.576              |
|       |            | High    | -24.351              | -24.971             | -46.593                           | -27.724                                        | -                        | -22.128                  | -21.617                                          | -24.829                            | -29.423              |
| 2     |            | Low     | -28.980              | -23.425             | -44.857                           | -26.194                                        | -38.285                  | -                        | -24.655                                          | -22.704                            | -28.898              |
|       |            | Middle  | -28.650              | -25.752             | -45.885                           | -26.580                                        | -                        | -                        | -26.086                                          | -22.643                            | -28.841              |
|       |            | High    | -30.717              | -23.613             | -44.994                           | -29.247                                        | -                        | -22.635                  | -22.116                                          | -22.462                            | -28.218              |
| 3     |            | Low     | -28.354              | -24.723             | -45.930                           | -26.617                                        | -38.438                  | -                        | -23.022                                          | -23.915                            | -27.872              |
|       |            | Middle  | -31.464              | -23.634             | -45.148                           | -26.904                                        | -                        | -                        | -24.288                                          | -24.116                            | -28.838              |
|       |            | High    | -28.711              | -24.344             | -45.420                           | -22.134                                        | -                        | -22.048                  | -21.985                                          | -23.288                            | -28.482              |
| Limit |            |         | -19.02               |                     |                                   |                                                |                          |                          |                                                  |                                    |                      |

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

| Port  | Modulation | Channel | Measured Level (dBm) |                     |                                   |                                                |                          |                          |                                                  |                                    |                      |
|-------|------------|---------|----------------------|---------------------|-----------------------------------|------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------|------------------------------------|----------------------|
|       |            |         | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low Edge<br>~ 100 MHz | Low Edge<br>- 100 MHz<br>~ Low Edge<br>- 2 MHz | 2 108 MHz ~<br>2 109 MHz | 2 181 MHz ~<br>2 182 MHz | High Edge<br>+ 2 MHz ~<br>High Edge<br>+ 100 MHz | High Edge<br>+ 100 MHz<br>~ 10 GHz | 10 GHz ~<br>26.5 GHz |
| 0     | 64QAM      | Low     | -28.056              | -24.446             | -44.222                           | -27.953                                        | -33.883                  | -                        | -23.953                                          | -23.381                            | -28.633              |
|       |            | Middle  | -30.305              | -22.504             | -43.594                           | -27.974                                        | -                        | -                        | -24.343                                          | -23.418                            | -26.410              |
|       |            | High    | -29.024              | -23.876             | -43.606                           | -27.063                                        | -                        | -22.851                  | -23.953                                          | -23.291                            | -26.668              |
| 1     |            | Low     | -25.585              | -23.085             | -46.899                           | -26.346                                        | -33.561                  | -                        | -24.598                                          | -25.186                            | -27.625              |
|       |            | Middle  | -25.593              | -24.236             | -46.805                           | -27.350                                        | -                        | -                        | -24.763                                          | -25.066                            | -26.789              |
|       |            | High    | -26.147              | -24.687             | -47.048                           | -28.547                                        | -                        | -23.307                  | -22.267                                          | -25.059                            | -26.636              |
| 2     |            | Low     | -29.571              | -23.888             | -45.213                           | -34.604                                        | -36.693                  | -                        | -24.947                                          | -24.429                            | -26.099              |
|       |            | Middle  | -29.677              | -23.614             | -45.143                           | -28.371                                        | -                        | -                        | -25.481                                          | -22.612                            | -25.610              |
|       |            | High    | -30.551              | -24.549             | -44.921                           | -28.968                                        | -                        | -24.147                  | -23.859                                          | -24.462                            | -26.773              |
| 3     |            | Low     | -30.150              | -26.542             | -46.111                           | -28.640                                        | -38.562                  | -                        | -23.652                                          | -22.993                            | -28.136              |
|       |            | Middle  | -30.122              | -24.603             | -45.469                           | -28.217                                        | -                        | -                        | -24.365                                          | -23.117                            | -25.967              |
|       |            | High    | -30.738              | -22.666             | -45.388                           | -28.298                                        | -                        | -24.114                  | -23.142                                          | -23.082                            | -25.844              |
| Limit |            |         | -19.02               |                     |                                   |                                                |                          |                          |                                                  |                                    |                      |

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

| Port  | Modulation | Channel | Measured Level (dBm) |                     |                                   |                                                |                          |                          |                                                  |                                    |                      |
|-------|------------|---------|----------------------|---------------------|-----------------------------------|------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------|------------------------------------|----------------------|
|       |            |         | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low Edge<br>~ 100 MHz | Low Edge<br>- 100 MHz<br>~ Low Edge<br>- 2 MHz | 2 108 MHz ~<br>2 109 MHz | 2 181 MHz ~<br>2 182 MHz | High Edge<br>+ 2 MHz ~<br>High Edge<br>+ 100 MHz | High Edge<br>+ 100 MHz<br>~ 10 GHz | 10 GHz ~<br>26.5 GHz |
| 0     | 64QAM      | Low     | -28.126              | -23.101             | -43.117                           | -27.401                                        | -36.706                  | -                        | -22.487                                          | -23.947                            | -24.023              |
|       |            | Middle  | -29.492              | -23.359             | -43.215                           | -26.808                                        | -                        | -                        | -25.035                                          | -24.055                            | -26.652              |
|       |            | High    | -27.240              | -22.131             | -43.428                           | -24.102                                        | -                        | -20.242                  | -20.595                                          | -23.969                            | -26.097              |
| 1     |            | Low     | -24.404              | -22.776             | -46.363                           | -29.757                                        | -40.609                  | -                        | -23.692                                          | -25.809                            | -25.039              |
|       |            | Middle  | -25.886              | -23.798             | -46.166                           | -26.778                                        | -                        | -                        | -24.795                                          | -23.724                            | -26.212              |
|       |            | High    | -23.372              | -24.660             | -46.089                           | -26.124                                        | -                        | -23.521                  | -22.720                                          | -25.575                            | -26.615              |
| 2     |            | Low     | -26.713              | -24.145             | -44.928                           | -34.010                                        | -39.638                  | -                        | -24.183                                          | -22.379                            | -23.901              |
|       |            | Middle  | -28.245              | -24.167             | -45.258                           | -29.023                                        | -                        | -                        | -25.944                                          | -22.492                            | -26.197              |
|       |            | High    | -30.364              | -24.111             | -45.527                           | -27.266                                        | -                        | -24.046                  | -23.355                                          | -22.266                            | -25.463              |
| 3     |            | Low     | -29.569              | -23.903             | -44.981                           | -28.278                                        | -39.620                  | -                        | -23.315                                          | -23.805                            | -23.878              |
|       |            | Middle  | -28.616              | -23.901             | -45.933                           | -27.872                                        | -                        | -                        | -24.198                                          | -23.717                            | -26.321              |
|       |            | High    | -29.863              | -23.861             | -45.602                           | -26.411                                        | -                        | -24.411                  | -23.641                                          | -23.583                            | -26.240              |
| Limit |            |         | -19.02               |                     |                                   |                                                |                          |                          |                                                  |                                    |                      |

## (4 Port) n66 5G NR 25 MHz 1 Carrier

| Port  | Modulation | Channel | Measured Level (dBm) |                     |                                   |                                                |                          |                          |                                                  |                                    |                    |
|-------|------------|---------|----------------------|---------------------|-----------------------------------|------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------|------------------------------------|--------------------|
|       |            |         | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low Edge<br>~ 100 MHz | Low Edge<br>~ 100 MHz<br>~ Low Edge<br>~ 2 MHz | 2 108 MHz ~<br>2 109 MHz | 2 181 MHz ~<br>2 182 MHz | High Edge<br>+ 2 MHz ~<br>High Edge<br>+ 100 MHz | High Edge<br>+ 100 MHz<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | Low     | -24.908              | -26.591             | -39.948                           | -24.694                                        | -29.027                  | -                        | -24.469                                          | -24.303                            | -31.377            |
|       |            | Middle  | -26.065              | -27.014             | -39.383                           | -27.525                                        | -                        | -                        | -25.459                                          | -24.497                            | -31.685            |
|       |            | High    | -24.764              | -28.271             | -39.965                           | -20.177                                        | -                        | -22.568                  | -22.164                                          | -24.000                            | -31.269            |
| 1     |            | Low     | -24.648              | -27.490             | -39.480                           | -23.973                                        | -31.353                  | -                        | -25.894                                          | -24.632                            | -30.432            |
|       |            | Middle  | -24.163              | -27.778             | -38.664                           | -24.124                                        | -                        | -                        | -26.276                                          | -23.841                            | -31.344            |
|       |            | High    | -23.892              | -28.444             | -40.055                           | -22.483                                        | -                        | -22.479                  | -22.392                                          | -24.533                            | -30.919            |
| 2     |            | Low     | -23.497              | -28.312             | -39.393                           | -27.080                                        | -31.079                  | -                        | -25.765                                          | -24.150                            | -30.901            |
|       |            | Middle  | -24.448              | -28.698             | -39.450                           | -28.684                                        | -                        | -                        | -26.466                                          | -23.855                            | -30.963            |
|       |            | High    | -24.182              | -30.324             | -39.835                           | -22.906                                        | -                        | -23.731                  | -23.444                                          | -23.515                            | -30.402            |
| 3     |            | Low     | -24.472              | -26.008             | -39.240                           | -24.483                                        | -28.344                  | -                        | -24.929                                          | -23.748                            | -30.999            |
|       |            | Middle  | -24.469              | -28.529             | -39.065                           | -27.670                                        | -                        | -                        | -25.753                                          | -23.921                            | -30.874            |
|       |            | High    | -24.469              | -29.119             | -39.334                           | -23.082                                        | -                        | -22.619                  | -21.091                                          | -23.965                            | -31.144            |
| Limit |            |         | -19.02               |                     |                                   |                                                |                          |                          |                                                  |                                    |                    |

## (4 Port) n66 5G NR 30 MHz 1 Carrier

| Port   | Modulation | Channel | Measured Level (dBm) |                     |                                   |                                                |                          |                          |                                                  |                                    |                    |
|--------|------------|---------|----------------------|---------------------|-----------------------------------|------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------|------------------------------------|--------------------|
|        |            |         | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low Edge<br>~ 100 MHz | Low Edge<br>~ 100 MHz<br>~ Low Edge<br>~ 2 MHz | 2 108 MHz ~<br>2 109 MHz | 2 181 MHz ~<br>2 182 MHz | High Edge<br>+ 2 MHz ~<br>High Edge<br>+ 100 MHz | High Edge<br>+ 100 MHz<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0      | 64QAM      | Low     | -26.513              | -27.466             | -39.943                           | -20.047                                        | -23.860                  | -                        | -24.437                                          | -24.433                            | -32.156            |
|        |            | Middle  | -26.194              | -27.280             | -39.463                           | -25.534                                        | -                        | -                        | -24.276                                          | -23.289                            | -23.612            |
|        |            | High    | -26.679              | -28.596             | -39.551                           | -20.537                                        | -                        | -23.094                  | -21.755                                          | -23.728                            | -31.567            |
| Low    |            | -26.226 | -27.479              | -40.014             | -20.329                           | -24.535                                        | -                        | -25.709                  | -24.775                                          | -31.604                            |                    |
| Middle |            | -26.794 | -28.529              | -38.968             | -25.277                           | -                                              | -                        | -23.421                  | -22.456                                          | -29.767                            |                    |
| High   |            | -25.001 | -28.713              | -39.565             | -20.598                           | -                                              | -22.673                  | -23.044                  | -24.102                                          | -30.606                            |                    |
| 2      |            | Low     | -27.469              | -28.606             | -39.207                           | -21.305                                        | -23.660                  | -                        | -26.124                                          | -24.441                            | -30.723            |
|        |            | Middle  | -26.199              | -29.651             | -39.585                           | -25.087                                        | -                        | -                        | -23.077                                          | -22.040                            | -31.286            |
|        |            | High    | -25.904              | -30.433             | -38.743                           | -21.704                                        | -                        | -23.351                  | -23.727                                          | -23.730                            | -30.386            |
| 3      |            | Low     | -26.760              | -27.913             | -39.611                           | -20.666                                        | -24.284                  | -                        | -25.198                                          | -24.195                            | -31.236            |
|        |            | Middle  | -26.612              | -28.362             | -39.370                           | -25.455                                        | -                        | -                        | -23.691                                          | -22.305                            | -30.777            |
|        |            | High    | -24.779              | -30.552             | -38.642                           | -21.891                                        | -                        | -23.271                  | -22.963                                          | -23.657                            | -30.464            |
| Limit  |            |         | -19.02               |                     |                                   |                                                |                          |                          |                                                  |                                    |                    |

## Tabular Data of RF Contiguous Spurious Unwanted Emissions

(4 Port) B25 LTE 5 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier [2 Carrier]

| Port  | Modulation | Channel | Measured Level (dBm) |                     |                             |                               |                          |                          |                                 |                              |                    |
|-------|------------|---------|----------------------|---------------------|-----------------------------|-------------------------------|--------------------------|--------------------------|---------------------------------|------------------------------|--------------------|
|       |            |         | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low<br>Edge-100 | Low<br>Edge-100<br>~ Low Edge | 1 928 MHz ~<br>1 929 MHz | 1 996 MHz ~<br>1 997 MHz | High Edge<br>~ High<br>Edge+100 | High<br>Edge+100<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | Low     | -22.756              | -26.867             | -37.115                     | -20.522                       | -20.270                  | -                        | -25.689                         | -25.687                      | -27.144            |
|       |            | Middle  | -22.654              | -26.456             | -37.288                     | -23.992                       | -                        | -                        | -24.083                         | -25.657                      | -27.289            |
|       |            | High    | -23.139              | -26.573             | -37.107                     | -26.156                       | -                        | -20.407                  | -20.033                         | -25.682                      | -27.291            |
| 1     |            | Low     | -23.862              | -30.223             | -35.158                     | -20.667                       | -20.876                  | -                        | -24.530                         | -25.193                      | -27.733            |
|       |            | Middle  | -23.176              | -30.410             | -35.156                     | -25.555                       | -                        | -                        | -25.200                         | -25.168                      | -27.683            |
|       |            | High    | -22.986              | -29.656             | -35.049                     | -26.747                       | -                        | -21.013                  | -21.367                         | -25.188                      | -27.713            |
| 2     |            | Low     | -23.199              | -28.240             | -34.042                     | -21.012                       | -20.556                  | -                        | -24.326                         | -22.743                      | -27.312            |
|       |            | Middle  | -23.355              | -29.026             | -34.036                     | -23.815                       | -                        | -                        | -23.346                         | -22.931                      | -27.414            |
|       |            | High    | -22.905              | -30.193             | -33.969                     | -26.171                       | -                        | -20.076                  | -21.239                         | -22.872                      | -27.282            |
| 3     |            | Low     | -23.187              | -26.786             | -36.835                     | -21.078                       | -20.857                  | -                        | -24.362                         | -24.855                      | -27.643            |
|       |            | Middle  | -22.815              | -26.533             | -36.913                     | -24.700                       | -                        | -                        | -25.236                         | -24.818                      | -27.591            |
|       |            | High    | -23.632              | -26.975             | -36.765                     | -26.876                       | -                        | -21.394                  | -22.003                         | -24.869                      | -27.761            |
| Limit |            |         | -19.02               |                     |                             |                               |                          |                          |                                 |                              |                    |

(4 Port) n25 5G NR 5 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier [2 Carrier]

| Port  | Modulation | Channel | Measured Level (dBm) |                     |                             |                               |                          |                          |                                 |                              |                    |
|-------|------------|---------|----------------------|---------------------|-----------------------------|-------------------------------|--------------------------|--------------------------|---------------------------------|------------------------------|--------------------|
|       |            |         | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low<br>Edge-100 | Low<br>Edge-100<br>~ Low Edge | 1 928 MHz ~<br>1 929 MHz | 1 996 MHz ~<br>1 997 MHz | High Edge<br>~ High<br>Edge+100 | High<br>Edge+100<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | Low     | -23.169              | -27.716             | -37.146                     | -20.170                       | -20.166                  | -                        | -24.728                         | -25.680                      | -27.270            |
|       |            | Middle  | -22.084              | -26.491             | -36.834                     | -23.364                       | -                        | -                        | -23.314                         | -25.623                      | -27.433            |
|       |            | High    | -22.153              | -25.884             | -37.111                     | -25.970                       | -                        | -20.106                  | -20.532                         | -25.491                      | -27.306            |
| 1     |            | Low     | -23.492              | -28.489             | -35.063                     | -21.747                       | -20.698                  | -                        | -23.883                         | -25.216                      | -27.646            |
|       |            | Middle  | -22.223              | -30.747             | -34.928                     | -24.839                       | -                        | -                        | -23.868                         | -25.188                      | -27.602            |
|       |            | High    | -22.283              | -29.209             | -34.964                     | -25.288                       | -                        | -20.284                  | -20.272                         | -25.140                      | -27.669            |
| 2     |            | Low     | -23.774              | -29.272             | -34.029                     | -21.493                       | -20.447                  | -                        | -23.667                         | -22.731                      | -27.412            |
|       |            | Middle  | -23.010              | -29.349             | -33.986                     | -23.643                       | -                        | -                        | -23.017                         | -22.751                      | -27.486            |
|       |            | High    | -23.057              | -28.722             | -34.007                     | -24.974                       | -                        | -20.224                  | -20.322                         | -24.650                      | -27.369            |
| 3     |            | Low     | -22.841              | -27.534             | -36.671                     | -22.031                       | -20.210                  | -                        | -24.508                         | -24.779                      | -27.739            |
|       |            | Middle  | -22.073              | -26.342             | -36.742                     | -24.935                       | -                        | -                        | -23.816                         | -24.781                      | -27.649            |
|       |            | High    | -22.306              | -26.438             | -36.659                     | -26.518                       | -                        | -20.429                  | -20.454                         | -24.712                      | -27.594            |
| Limit |            |         | -19.02               |                     |                             |                               |                          |                          |                                 |                              |                    |

## (4 Port) n25 5G NR 5 MHz 1 Carrier + n25 5G NR 5 MHz 1 Carrier [2 Carrier]

| Port  | Modulation | Channel | Measured Level (dBm) |                     |                             |                               |                          |                          |                                 |                              |                    |
|-------|------------|---------|----------------------|---------------------|-----------------------------|-------------------------------|--------------------------|--------------------------|---------------------------------|------------------------------|--------------------|
|       |            |         | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low<br>Edge-100 | Low<br>Edge-100<br>~ Low Edge | 1 928 MHz ~<br>1 929 MHz | 1 996 MHz ~<br>1 997 MHz | High Edge<br>~ High<br>Edge+100 | High<br>Edge+100<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | Low     | -22.698              | -26.742             | -37.143                     | -20.230                       | -20.275                  | -                        | -24.135                         | -25.714                      | -27.228            |
|       |            | Middle  | -22.609              | -26.757             | -37.183                     | -25.080                       | -                        | -                        | -25.006                         | -25.654                      | -27.416            |
|       |            | High    | -22.689              | -24.142             | -37.020                     | -23.088                       | -                        | -20.048                  | -20.493                         | -25.816                      | -27.405            |
| 1     |            | Low     | -23.211              | -29.715             | -35.054                     | -21.058                       | -21.188                  | -                        | -24.077                         | -25.140                      | -27.646            |
|       |            | Middle  | -22.583              | -30.338             | -35.154                     | -24.930                       | -                        | -                        | -24.393                         | -25.164                      | -27.426            |
|       |            | High    | -22.634              | -29.689             | -34.995                     | -23.682                       | -                        | -20.043                  | -20.275                         | -25.112                      | -27.650            |
| 2     |            | Low     | -23.056              | -28.884             | -34.021                     | -20.968                       | -20.597                  | -                        | -23.862                         | -22.748                      | -27.413            |
|       |            | Middle  | -23.298              | -29.003             | -33.846                     | -23.137                       | -                        | -                        | -22.698                         | -22.658                      | -27.438            |
|       |            | High    | -24.035              | -30.127             | -33.975                     | -24.203                       | -                        | -20.300                  | -20.252                         | -22.635                      | -27.517            |
| 3     |            | Low     | -22.898              | -27.945             | -36.669                     | -20.204                       | -21.319                  | -                        | -24.686                         | -24.798                      | -27.484            |
|       |            | Middle  | -22.580              | -26.841             | -36.742                     | -25.020                       | -                        | -                        | -25.281                         | -24.767                      | -27.705            |
|       |            | High    | -22.689              | -26.830             | -36.746                     | -25.782                       | -                        | -20.791                  | -20.946                         | -24.681                      | -27.655            |
| Limit |            |         | -19.02               |                     |                             |                               |                          |                          |                                 |                              |                    |

## (4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

| Port  | Modulation | Channel | Measured Level (dBm) |                     |                             |                               |                          |                          |                                 |                              |                    |
|-------|------------|---------|----------------------|---------------------|-----------------------------|-------------------------------|--------------------------|--------------------------|---------------------------------|------------------------------|--------------------|
|       |            |         | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low<br>Edge-100 | Low<br>Edge-100<br>~ Low Edge | 2 108 MHz ~<br>2 109 MHz | 2 181 MHz ~<br>2 182 MHz | High Edge<br>~ High<br>Edge+100 | High<br>Edge+100<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | Low     | -24.665              | -27.571             | -45.353                     | -23.307                       | -25.630                  | -                        | -24.805                         | -22.964                      | -31.403            |
|       |            | Middle  | -25.240              | -26.826             | -45.678                     | -27.034                       | -                        | -                        | -24.755                         | -23.509                      | -30.874            |
|       |            | High    | -25.836              | -28.070             | -45.743                     | -27.862                       | -                        | -21.226                  | -20.411                         | -22.760                      | -31.469            |
| 1     |            | Low     | -24.275              | -27.356             | -45.728                     | -25.852                       | -30.116                  | -                        | -24.946                         | -23.365                      | -31.326            |
|       |            | Middle  | -24.549              | -27.490             | -45.534                     | -25.225                       | -                        | -                        | -24.752                         | -23.090                      | -31.733            |
|       |            | High    | -24.715              | -28.277             | -45.823                     | -26.611                       | -                        | -20.916                  | -20.075                         | -23.237                      | -30.912            |
| 2     |            | Low     | -23.288              | -27.637             | -45.169                     | -26.147                       | -29.552                  | -                        | -25.418                         | -22.946                      | -31.009            |
|       |            | Middle  | -24.259              | -27.895             | -44.843                     | -26.313                       | -                        | -                        | -25.538                         | -22.925                      | -30.431            |
|       |            | High    | -25.066              | -29.053             | -45.324                     | -28.466                       | -                        | -20.325                  | -20.027                         | -22.916                      | -30.608            |
| 3     |            | Low     | -24.824              | -26.927             | -45.541                     | -25.176                       | -28.016                  | -                        | -24.541                         | -22.537                      | -31.155            |
|       |            | Middle  | -24.926              | -27.512             | -45.477                     | -27.277                       | -                        | -                        | -24.456                         | -23.185                      | -30.653            |
|       |            | High    | -24.121              | -29.242             | -45.400                     | -27.357                       | -                        | -21.237                  | -20.229                         | -22.636                      | -31.181            |
| Limit |            |         | -19.02               |                     |                             |                               |                          |                          |                                 |                              |                    |

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

| Port  | Modulation | Channel | Measured Level (dBm) |                     |                             |                               |                          |                          |                                 |                              |                    |
|-------|------------|---------|----------------------|---------------------|-----------------------------|-------------------------------|--------------------------|--------------------------|---------------------------------|------------------------------|--------------------|
|       |            |         | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low<br>Edge-100 | Low<br>Edge-100<br>~ Low Edge | 2 108 MHz ~<br>2 109 MHz | 2 181 MHz ~<br>2 182 MHz | High Edge<br>~ High<br>Edge+100 | High<br>Edge+100<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | Low     | -26.640              | -27.968             | -38.987                     | -25.335                       | -26.570                  | -                        | -25.123                         | -24.957                      | -32.323            |
|       |            | Middle  | -25.070              | -27.643             | -39.996                     | -23.657                       | -                        | -                        | -23.149                         | -23.881                      | -31.344            |
|       |            | High    | -26.156              | -29.789             | -40.322                     | -27.817                       | -                        | -21.127                  | -21.229                         | -24.957                      | -32.383            |
| 1     |            | Low     | -25.818              | -28.024             | -40.071                     | -26.427                       | -30.064                  | -                        | -25.424                         | -24.813                      | -32.369            |
|       |            | Middle  | -24.210              | -27.568             | -39.583                     | -26.021                       | -                        | -                        | -24.815                         | -23.992                      | -29.090            |
|       |            | High    | -25.440              | -29.146             | -40.772                     | -28.692                       | -                        | -20.571                  | -21.560                         | -25.012                      | -32.814            |
| 2     |            | Low     | -26.247              | -29.764             | -39.451                     | -27.339                       | -29.641                  | -                        | -25.747                         | -23.608                      | -31.649            |
|       |            | Middle  | -25.698              | -29.938             | -39.471                     | -26.678                       | -                        | -                        | -25.803                         | -23.670                      | -29.915            |
|       |            | High    | -27.001              | -30.517             | -39.702                     | -29.537                       | -                        | -20.886                  | -21.119                         | -25.204                      | -31.915            |
| 3     |            | Low     | -26.417              | -28.581             | -39.537                     | -25.092                       | -27.895                  | -                        | -25.061                         | -24.287                      | -32.406            |
|       |            | Middle  | -25.688              | -28.143             | -39.328                     | -26.435                       | -                        | -                        | -25.001                         | -23.129                      | -30.250            |
|       |            | High    | -27.016              | -29.974             | -40.498                     | -28.006                       | -                        | -20.971                  | -21.477                         | -25.228                      | -32.128            |
| Limit |            |         | -19.02               |                     |                             |                               |                          |                          |                                 |                              |                    |

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

| Port  | Modulation | Channel | Measured Level (dBm) |                     |                             |                               |                          |                          |                                 |                              |                    |
|-------|------------|---------|----------------------|---------------------|-----------------------------|-------------------------------|--------------------------|--------------------------|---------------------------------|------------------------------|--------------------|
|       |            |         | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low<br>Edge-100 | Low<br>Edge-100<br>~ Low Edge | 2 108 MHz ~<br>2 109 MHz | 2 181 MHz ~<br>2 182 MHz | High Edge<br>~ High<br>Edge+100 | High<br>Edge+100<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | Low     | -25.841              | -27.234             | -39.235                     | -20.986                       | -24.481                  | -                        | -25.348                         | -24.887                      | -32.736            |
|       |            | Middle  | -25.738              | -28.126             | -39.960                     | -26.583                       | -                        | -                        | -25.439                         | -24.906                      | -31.790            |
|       |            | High    | -24.910              | -29.711             | -38.635                     | -27.957                       | -                        | -20.325                  | -20.248                         | -24.658                      | -32.271            |
| 1     |            | Low     | -23.120              | -28.434             | -38.698                     | -24.793                       | -28.325                  | -                        | -26.025                         | -24.942                      | -32.633            |
|       |            | Middle  | -24.160              | -27.395             | -39.241                     | -27.848                       | -                        | -                        | -26.318                         | -24.561                      | -31.792            |
|       |            | High    | -23.136              | -28.683             | -39.309                     | -28.716                       | -                        | -20.310                  | -20.933                         | -24.058                      | -31.460            |
| 2     |            | Low     | -24.085              | -28.736             | -38.905                     | -26.020                       | -28.921                  | -                        | -26.370                         | -24.360                      | -31.720            |
|       |            | Middle  | -23.159              | -29.939             | -38.790                     | -28.184                       | -                        | -                        | -26.519                         | -24.154                      | -32.244            |
|       |            | High    | -23.339              | -30.536             | -38.452                     | -29.572                       | -                        | -21.207                  | -21.737                         | -24.047                      | -31.344            |
| 3     |            | Low     | -24.696              | -28.360             | -39.160                     | -23.827                       | -26.709                  | -                        | -25.407                         | -24.505                      | -31.424            |
|       |            | Middle  | -24.581              | -27.710             | -39.274                     | -27.871                       | -                        | -                        | -26.116                         | -23.544                      | -32.099            |
|       |            | High    | -23.624              | -29.521             | -38.953                     | -28.349                       | -                        | -21.885                  | -22.173                         | -23.480                      | -31.705            |
| Limit |            |         | -19.02               |                     |                             |                               |                          |                          |                                 |                              |                    |

## (4 Port) B25 LTE 10 MHz 1 Carrier + B25 LTE 15 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [3 Carrier]

| Port   | Modulation | Channel | Measured Level (dBm) |                     |                             |                               |                          |                          |                                 |                              |                    |
|--------|------------|---------|----------------------|---------------------|-----------------------------|-------------------------------|--------------------------|--------------------------|---------------------------------|------------------------------|--------------------|
|        |            |         | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low<br>Edge-100 | Low<br>Edge-100<br>~ Low Edge | 1 928 MHz ~<br>1 929 MHz | 1 996 MHz ~<br>1 997 MHz | High Edge<br>~ High<br>Edge+100 | High<br>Edge+100<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0      | 64QAM      | Low     | -23.424              | -29.212             | -36.921                     | -21.828                       | -21.688                  | -                        | -21.652                         | -25.762                      | -27.403            |
|        |            | Middle  | -23.549              | -28.271             | -36.776                     | -23.821                       | -                        | -                        | -20.532                         | -27.823                      | -27.302            |
|        |            | High    | -23.406              | -29.737             | -36.814                     | -20.205                       | -                        | -20.917                  | -20.672                         | -27.908                      | -27.337            |
| Low    |            | -24.410 | -27.603              | -34.919             | -23.063                     | -22.508                       | -                        | -22.529                  | -25.114                         | -27.725                      |                    |
| Middle |            | -23.771 | -30.665              | -34.837             | -24.613                     | -                             | -                        | -21.093                  | -27.155                         | -27.708                      |                    |
| High   |            | -23.983 | -29.987              | -34.886             | -22.112                     | -                             | -21.777                  | -21.738                  | -27.119                         | -27.783                      |                    |
| 2      |            | Low     | -24.041              | -32.106             | -33.823                     | -21.958                       | -21.323                  | -                        | -22.182                         | -22.712                      | -27.554            |
|        |            | Middle  | -23.054              | -29.228             | -33.798                     | -23.288                       | -                        | -                        | -20.648                         | -24.742                      | -27.196            |
|        |            | High    | -22.287              | -30.724             | -33.811                     | -22.736                       | -                        | -21.455                  | -21.475                         | -24.879                      | -27.277            |
| 3      |            | Low     | -23.222              | -30.069             | -36.456                     | -22.748                       | -22.556                  | -                        | -22.779                         | -24.715                      | -27.605            |
|        |            | Middle  | -23.050              | -28.807             | -36.384                     | -23.697                       | -                        | -                        | -21.359                         | -26.726                      | -27.660            |
|        |            | High    | -23.414              | -27.923             | -36.406                     | -24.067                       | -                        | -22.584                  | -21.746                         | -26.858                      | -27.511            |
| Limit  |            |         | -19.02               |                     |                             |                               |                          |                          |                                 |                              |                    |

## (4 Port) n25 5G NR 30 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier + B25 LTE 10 MHz 1 Carrier [3 Carrier]

| Port  | Modulation | Channel | Measured Level (dBm) |                     |                             |                               |                          |                          |                                 |                              |                    |
|-------|------------|---------|----------------------|---------------------|-----------------------------|-------------------------------|--------------------------|--------------------------|---------------------------------|------------------------------|--------------------|
|       |            |         | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low<br>Edge-100 | Low<br>Edge-100<br>~ Low Edge | 1 928 MHz ~<br>1 929 MHz | 1 996 MHz ~<br>1 997 MHz | High Edge<br>~ High<br>Edge+100 | High<br>Edge+100<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | Low     | -23.722              | -29.048             | -36.785                     | -20.420                       | -20.459                  | -                        | -20.903                         | -27.747                      | -27.394            |
|       |            | Middle  | -23.547              | -29.551             | -36.724                     | -20.065                       | -                        | -                        | -21.096                         | -27.855                      | -27.289            |
|       |            | High    | -23.299              | -29.438             | -36.819                     | -22.224                       | -                        | -21.234                  | -20.951                         | -27.524                      | -27.163            |
| 1     |            | Low     | -23.977              | -30.340             | -34.965                     | -22.303                       | -21.065                  | -                        | -22.113                         | -27.296                      | -27.715            |
|       |            | Middle  | -23.227              | -31.017             | -34.919                     | -23.150                       | -                        | -                        | -22.603                         | -27.338                      | -27.675            |
|       |            | High    | -23.829              | -30.813             | -34.882                     | -24.393                       | -                        | -21.894                  | -22.051                         | -27.054                      | -27.670            |
| 2     |            | Low     | -22.764              | -31.132             | -33.959                     | -21.169                       | -20.525                  | -                        | -21.881                         | -24.950                      | -27.525            |
|       |            | Middle  | -22.397              | -29.124             | -34.035                     | -22.309                       | -                        | -                        | -21.985                         | -24.949                      | -27.442            |
|       |            | High    | -22.622              | -29.792             | -33.896                     | -23.460                       | -                        | -20.917                  | -21.256                         | -24.680                      | -27.276            |
| 3     |            | Low     | -23.135              | -29.250             | -36.425                     | -21.723                       | -21.605                  | -                        | -22.864                         | -26.904                      | -27.720            |
|       |            | Middle  | -23.055              | -29.941             | -36.482                     | -23.163                       | -                        | -                        | -22.969                         | -26.934                      | -27.739            |
|       |            | High    | -                    | -29.538             | -36.358                     | -23.744                       | -                        | -22.327                  | -22.333                         | -26.791                      | -27.649            |
| Limit |            |         | -19.02               |                     |                             |                               |                          |                          |                                 |                              |                    |

## (4 Port) n25 5G NR 5 MHz 1 Carrier + n25 5G NR 10 MHz 1 Carrier + n25 5G NR 30 MHz 1 Carrier [3 Carrier]

| Port  | Modulation | Channel | Measured Level (dBm) |                     |                             |                               |                          |                          |                                 |                              |                    |
|-------|------------|---------|----------------------|---------------------|-----------------------------|-------------------------------|--------------------------|--------------------------|---------------------------------|------------------------------|--------------------|
|       |            |         | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low<br>Edge-100 | Low<br>Edge-100<br>~ Low Edge | 1 928 MHz ~<br>1 929 MHz | 1 996 MHz ~<br>1 997 MHz | High Edge<br>~ High<br>Edge+100 | High<br>Edge+100<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | Low     | -23.722              | -29.254             | -36.887                     | -21.435                       | -21.332                  | -                        | -21.738                         | -25.633                      | -27.328            |
|       |            | Middle  | -23.064              | -30.176             | -36.679                     | -20.636                       | -                        | -                        | -20.441                         | -27.661                      | -27.102            |
|       |            | High    | -23.498              | -28.562             | -36.747                     | -20.512                       | -                        | -20.427                  | -20.426                         | -27.919                      | -27.285            |
| 1     |            | Low     | -23.931              | -30.589             | -34.993                     | -22.230                       | -21.901                  | -                        | -22.754                         | -25.277                      | -27.874            |
|       |            | Middle  | -23.390              | -31.391             | -34.729                     | -23.555                       | -                        | -                        | -22.372                         | -27.092                      | -27.625            |
|       |            | High    | -23.084              | -31.363             | -34.904                     | -23.002                       | -                        | -21.261                  | -21.586                         | -25.073                      | -27.671            |
| 2     |            | Low     | -22.545              | -29.681             | -33.606                     | -21.169                       | -20.725                  | -                        | -22.341                         | -22.907                      | -27.592            |
|       |            | Middle  | -22.021              | -30.872             | -33.810                     | -22.279                       | -                        | -                        | -21.900                         | -24.722                      | -27.207            |
|       |            | High    | -22.872              | -30.926             | -33.808                     | -22.664                       | -                        | -20.593                  | -20.630                         | -22.814                      | -27.292            |
| 3     |            | Low     | -23.177              | -28.573             | -36.365                     | -22.226                       | -22.134                  | -                        | -23.138                         | -24.801                      | -27.701            |
|       |            | Middle  | -22.691              | -27.859             | -36.318                     | -22.419                       | -                        | -                        | -22.762                         | -26.668                      | -27.562            |
|       |            | High    | -22.684              | -29.314             | -36.392                     | -24.072                       | -                        | -22.371                  | -22.061                         | -24.711                      | -27.680            |
| Limit |            |         | -19.02               |                     |                             |                               |                          |                          |                                 |                              |                    |

## (4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [5 Carrier]

| Port  | Modulation | Channel | Measured Level (dBm) |                     |                             |                               |                          |                          |                                 |                              |                    |
|-------|------------|---------|----------------------|---------------------|-----------------------------|-------------------------------|--------------------------|--------------------------|---------------------------------|------------------------------|--------------------|
|       |            |         | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low<br>Edge-100 | Low<br>Edge-100<br>~ Low Edge | 2 108 MHz ~<br>2 109 MHz | 2 181 MHz ~<br>2 182 MHz | High Edge<br>~ High<br>Edge+100 | High<br>Edge+100<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | Low     | -26.396              | -30.036             | -38.496                     | -26.468                       | -29.980                  | -                        | -22.349                         | -22.852                      | -30.400            |
|       |            | Middle  | -28.379              | -30.371             | -39.844                     | -20.374                       | -                        | -                        | -20.495                         | -24.247                      | -31.778            |
|       |            | High    | -26.442              | -30.358             | -39.865                     | -21.148                       | -                        | -23.323                  | -22.787                         | -25.109                      | -29.838            |
| 1     |            | Low     | -23.925              | -30.004             | -39.066                     | -27.043                       | -31.787                  | -                        | -22.371                         | -23.293                      | -30.941            |
|       |            | Middle  | -26.733              | -30.180             | -39.530                     | -20.068                       | -                        | -                        | -20.498                         | -24.517                      | -30.662            |
|       |            | High    | -26.725              | -30.595             | -39.742                     | -22.138                       | -                        | -23.833                  | -23.449                         | -25.218                      | -30.464            |
| 2     |            | Low     | -24.995              | -31.648             | -38.932                     | -27.754                       | -31.148                  | -                        | -22.629                         | -24.536                      | -30.156            |
|       |            | Middle  | -26.387              | -32.302             | -39.514                     | -20.407                       | -                        | -                        | -20.380                         | -23.874                      | -30.851            |
|       |            | High    | -28.729              | -31.290             | -39.220                     | -22.498                       | -                        | -23.414                  | -22.767                         | -24.783                      | -29.818            |
| 3     |            | Low     | -26.008              | -30.851             | -38.401                     | -26.058                       | -29.479                  | -                        | -22.247                         | -24.503                      | -30.596            |
|       |            | Middle  | -25.447              | -30.585             | -39.078                     | -20.125                       | -                        | -                        | -21.719                         | -24.154                      | -31.389            |
|       |            | High    | -25.890              | -30.761             | -39.508                     | -21.516                       | -                        | -23.649                  | -23.169                         | -24.247                      | -30.337            |
| Limit |            |         | -19.02               |                     |                             |                               |                          |                          |                                 |                              |                    |

(4 Port) n66 5G NR 30 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier  
+ B66 LTE 15 MHz 1 Carrier [5 Carrier]

| Port  | Modulation | Channel | Measured Level (dBm) |                     |                             |                               |                          |                          |                                 |                              |                    |
|-------|------------|---------|----------------------|---------------------|-----------------------------|-------------------------------|--------------------------|--------------------------|---------------------------------|------------------------------|--------------------|
|       |            |         | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low<br>Edge-100 | Low<br>Edge-100<br>~ Low Edge | 2 108 MHz ~<br>2 109 MHz | 2 181 MHz ~<br>2 182 MHz | High Edge<br>~ High<br>Edge+100 | High<br>Edge+100<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | Low     | -25.331              | -30.590             | -40.069                     | -24.091                       | -27.780                  | -                        | -22.343                         | -23.683                      | -31.544            |
|       |            | Middle  | -26.433              | -30.077             | -39.502                     | -20.683                       | -                        | -                        | -21.648                         | -23.739                      | -32.043            |
|       |            | High    | -27.101              | -29.604             | -40.710                     | -20.289                       | -                        | -22.225                  | -21.617                         | -24.925                      | -33.037            |
| 1     |            | Low     | -26.025              | -31.071             | -40.507                     | -25.590                       | -30.494                  | -                        | -22.082                         | -24.362                      | -31.139            |
|       |            | Middle  | -26.662              | -31.813             | -39.202                     | -21.316                       | -                        | -                        | -22.542                         | -24.010                      | -30.538            |
|       |            | High    | -26.115              | -31.492             | -39.949                     | -21.026                       | -                        | -21.883                  | -21.662                         | -25.844                      | -32.932            |
| 2     |            | Low     | -24.013              | -32.261             | -38.551                     | -26.191                       | -29.618                  | -                        | -22.856                         | -23.731                      | -30.565            |
|       |            | Middle  | -25.717              | -32.265             | -39.771                     | -20.121                       | -                        | -                        | -23.352                         | -24.336                      | -31.324            |
|       |            | High    | -25.894              | -31.930             | -39.825                     | -21.553                       | -                        | -21.074                  | -23.066                         | -24.899                      | -32.138            |
| 3     |            | Low     | -24.423              | -30.414             | -39.681                     | -24.162                       | -27.879                  | -                        | -22.561                         | -23.888                      | -30.650            |
|       |            | Middle  | -25.807              | -30.885             | -39.074                     | -21.441                       | -                        | -                        | -22.516                         | -23.744                      | -30.466            |
|       |            | High    | -26.487              | -31.453             | -38.713                     | -22.162                       | -                        | -23.669                  | -22.946                         | -25.092                      | -32.530            |
| Limit |            |         | -19.02               |                     |                             |                               |                          |                          |                                 |                              |                    |

(4 Port) n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 15 MHz 1 Carrier + n66 5G NR 30 MHz  
1 Carrier + B66 LTE 5 MHz 1 Carrier [5 Carrier]

| Port  | Modulation | Channel | Measured Level (dBm) |                     |                             |                               |                          |                          |                                 |                              |                    |
|-------|------------|---------|----------------------|---------------------|-----------------------------|-------------------------------|--------------------------|--------------------------|---------------------------------|------------------------------|--------------------|
|       |            |         | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low<br>Edge-100 | Low<br>Edge-100<br>~ Low Edge | 2 108 MHz ~<br>2 109 MHz | 2 181 MHz ~<br>2 182 MHz | High Edge<br>~ High<br>Edge+100 | High<br>Edge+100<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | Low     | -24.002              | -23.235             | -35.777                     | -24.902                       | -29.738                  | -                        | -20.179                         | -23.229                      | -26.708            |
|       |            | Middle  | -23.188              | -23.218             | -36.403                     | -21.259                       | -                        | -                        | -20.957                         | -23.188                      | -26.981            |
|       |            | High    | -24.101              | -23.538             | -36.333                     | -21.727                       | -                        | -20.384                  | -20.042                         | -23.385                      | -27.462            |
| 1     |            | Low     | -23.551              | -23.438             | -40.139                     | -26.772                       | -36.791                  | -                        | -22.424                         | -25.054                      | -27.503            |
|       |            | Middle  | -22.058              | -23.481             | -39.788                     | -22.276                       | -                        | -                        | -23.102                         | -25.146                      | -27.107            |
|       |            | High    | -22.934              | -22.727             | -39.542                     | -20.709                       | -                        | -22.694                  | -21.852                         | -25.330                      | -27.485            |
| 2     |            | Low     | -24.002              | -22.328             | -37.723                     | -28.807                       | -39.450                  | -                        | -21.215                         | -22.783                      | -26.948            |
|       |            | Middle  | -25.377              | -23.789             | -38.359                     | -21.868                       | -                        | -                        | -23.453                         | -22.184                      | -25.589            |
|       |            | High    | -22.178              | -23.363             | -37.349                     | -21.850                       | -                        | -22.438                  | -22.828                         | -22.360                      | -26.851            |
| 3     |            | Low     | -23.804              | -22.875             | -37.759                     | -30.345                       | -39.399                  | -                        | -21.742                         | -23.345                      | -26.523            |
|       |            | Middle  | -24.183              | -23.119             | -37.658                     | -21.955                       | -                        | -                        | -22.754                         | -23.376                      | -26.589            |
|       |            | High    | -23.959              | -24.451             | -38.978                     | -21.839                       | -                        | -22.953                  | -22.473                         | -23.399                      | -27.308            |
| Limit |            |         | -19.02               |                     |                             |                               |                          |                          |                                 |                              |                    |

(4 Port) n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 15 MHz 1 Carrier + n66 5G NR 30 MHz 1 Carrier [5 Carrier]

| Port  | Modulation | Channel | Measured Level (dBm) |                     |                             |                               |                          |                          |                                 |                              |                      |
|-------|------------|---------|----------------------|---------------------|-----------------------------|-------------------------------|--------------------------|--------------------------|---------------------------------|------------------------------|----------------------|
|       |            |         | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low<br>Edge-100 | Low<br>Edge-100<br>~ Low Edge | 2 108 MHz ~<br>2 109 MHz | 2 181 MHz ~<br>2 182 MHz | High Edge<br>~ High<br>Edge+100 | High<br>Edge+100<br>~ 10 GHz | 10 GHz ~<br>26.5 GHz |
| 0     | 64QAM      | Low     | -22.116              | -22.188             | -35.695                     | -26.744                       | -33.562                  | -                        | -20.274                         | -23.361                      | -27.506              |
|       |            | Middle  | -23.202              | -22.784             | -36.331                     | -20.593                       | -                        | -                        | -20.601                         | -22.868                      | -26.829              |
|       |            | High    | -22.440              | -24.093             | -37.035                     | -21.698                       | -                        | -20.093                  | -20.161                         | -23.034                      | -26.787              |
| 1     |            | Low     | -22.352              | -22.865             | -40.264                     | -30.494                       | -38.465                  | -                        | -23.717                         | -25.216                      | -26.489              |
|       |            | Middle  | -24.343              | -22.193             | -40.319                     | -22.153                       | -                        | -                        | -23.116                         | -25.378                      | -27.588              |
|       |            | High    | -23.066              | -22.992             | -39.457                     | -24.795                       | -                        | -23.872                  | -22.923                         | -22.970                      | -26.451              |
| 2     |            | Low     | -24.169              | -24.510             | -37.317                     | -30.876                       | -37.844                  | -                        | -22.620                         | -22.063                      | -25.949              |
|       |            | Middle  | -23.793              | -22.264             | -38.130                     | -23.124                       | -                        | -                        | -23.833                         | -22.704                      | -26.227              |
|       |            | High    | -23.304              | -22.677             | -38.036                     | -22.168                       | -                        | -22.771                  | -22.242                         | -22.612                      | -25.373              |
| 3     |            | Low     | -23.134              | -24.006             | -38.092                     | -27.666                       | -37.819                  | -                        | -20.930                         | -23.421                      | -25.925              |
|       |            | Middle  | -24.209              | -22.686             | -38.624                     | -22.111                       | -                        | -                        | -21.115                         | -23.234                      | -25.928              |
|       |            | High    | -23.882              | -24.363             | -38.590                     | -22.983                       | -                        | -22.468                  | -21.936                         | -23.173                      | -26.147              |
| Limit |            |         | -19.02               |                     |                             |                               |                          |                          |                                 |                              |                      |

## Tabular Data of RF Non-Contiguous Spurious Unwanted Emissions

(4 Port) B25 LTE 5 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier [2 Carrier]

| Port  | Modulation | Measured Level (dBm) |                     |                             |                                                |                          |                          |                                                  |                              |                    |
|-------|------------|----------------------|---------------------|-----------------------------|------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------|------------------------------|--------------------|
|       |            | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low<br>Edge-100 | Low Edge<br>- 100 MHz<br>~ Low Edge<br>- 2 MHz | 1 928 MHz ~<br>1 929 MHz | 1 996 MHz ~<br>1 997 MHz | High Edge<br>+ 2 MHz ~<br>High Edge<br>+ 100 MHz | High<br>Edge+100<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | -22.623              | -26.259             | -37.203                     | -20.284                                        | -20.382                  | -20.643                  | -20.479                                          | -25.717                      | -27.144            |
| 1     | 64QAM      | -23.222              | -27.860             | -35.115                     | -23.549                                        | -21.298                  | -21.834                  | -23.123                                          | -25.107                      | -27.654            |
| 2     | 64QAM      | -23.310              | -28.350             | -33.916                     | -22.845                                        | -21.325                  | -21.420                  | -23.391                                          | -22.907                      | -27.313            |
| 3     | 64QAM      | -22.740              | -27.435             | -36.768                     | -21.451                                        | -20.979                  | -21.506                  | -21.793                                          | -24.801                      | -27.742            |
| Limit |            | -19.02               |                     |                             |                                                |                          |                          |                                                  |                              |                    |

(4 Port) n25 5G NR 5 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier [2 Carrier]

| Port  | Modulation | Measured Level (dBm) |                     |                             |                                                |                          |                          |                                                  |                              |                    |
|-------|------------|----------------------|---------------------|-----------------------------|------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------|------------------------------|--------------------|
|       |            | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low<br>Edge-100 | Low Edge<br>- 100 MHz<br>~ Low Edge<br>- 2 MHz | 1 928 MHz ~<br>1 929 MHz | 1 996 MHz ~<br>1 997 MHz | High Edge<br>+ 2 MHz ~<br>High Edge<br>+ 100 MHz | High<br>Edge+100<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | -22.258              | -27.017             | -37.199                     | -20.603                                        | -20.160                  | -20.022                  | -20.074                                          | -25.738                      | -26.981            |
| 1     | 64QAM      | -22.730              | -29.761             | -35.071                     | -21.802                                        | -20.660                  | -20.348                  | -21.505                                          | -25.169                      | -27.622            |
| 2     | 64QAM      | -23.330              | -28.930             | -33.886                     | -20.718                                        | -20.302                  | -20.243                  | -20.485                                          | -22.824                      | -27.502            |
| 3     | 64QAM      | -22.561              | -27.652             | -36.816                     | -20.287                                        | -20.561                  | -20.807                  | -21.692                                          | -24.711                      | -27.608            |
| Limit |            | -19.02               |                     |                             |                                                |                          |                          |                                                  |                              |                    |

(4 Port) n25 5G NR 5 MHz 1 Carrier + n25 5G NR 5 MHz 1 Carrier [2 Carrier]

| Port  | Modulation | Measured Level (dBm) |                     |                             |                                                |                          |                          |                                                  |                              |                    |
|-------|------------|----------------------|---------------------|-----------------------------|------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------|------------------------------|--------------------|
|       |            | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low<br>Edge-100 | Low Edge<br>- 100 MHz<br>~ Low Edge<br>- 2 MHz | 1 928 MHz ~<br>1 929 MHz | 1 996 MHz ~<br>1 997 MHz | High Edge<br>+ 2 MHz ~<br>High Edge<br>+ 100 MHz | High<br>Edge+100<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | -22.608              | -25.814             | -36.952                     | -20.032                                        | -20.523                  | -20.077                  | -20.246                                          | -25.499                      | -27.260            |
| 1     | 64QAM      | -22.717              | -29.096             | -34.913                     | -21.077                                        | -20.591                  | -21.088                  | -20.675                                          | -25.107                      | -27.663            |
| 2     | 64QAM      | -22.698              | -30.103             | -33.936                     | -21.018                                        | -20.439                  | -20.854                  | -20.354                                          | -22.533                      | -27.426            |
| 3     | 64QAM      | -22.676              | -26.732             | -36.671                     | -20.771                                        | -20.089                  | -20.500                  | -20.721                                          | -24.517                      | -27.504            |
| Limit |            | -19.02               |                     |                             |                                                |                          |                          |                                                  |                              |                    |

## (4 Port) B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

| Port  | Modulation | Measured Level (dBm) |                     |                             |                                                |                          |                          |                                                  |                              |                    |
|-------|------------|----------------------|---------------------|-----------------------------|------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------|------------------------------|--------------------|
|       |            | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low<br>Edge-100 | Low Edge<br>- 100 MHz<br>~ Low Edge<br>- 2 MHz | 2 108 MHz ~<br>2 109 MHz | 2 181 MHz ~<br>2 182 MHz | High Edge<br>+ 2 MHz ~<br>High Edge<br>+ 100 MHz | High<br>Edge+100<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | -25.335              | -27.945             | -39.792                     | -25.202                                        | -29.930                  | -21.704                  | -20.425                                          | -23.446                      | -31.292            |
| 1     | 64QAM      | -24.357              | -27.788             | -39.292                     | -27.899                                        | -32.475                  | -22.379                  | -22.318                                          | -22.744                      | -30.917            |
| 2     | 64QAM      | -23.864              | -27.571             | -39.195                     | -27.748                                        | -30.336                  | -20.420                  | -21.074                                          | -22.169                      | -30.760            |
| 3     | 64QAM      | -24.678              | -27.052             | -39.558                     | -28.978                                        | -30.329                  | -22.495                  | -21.966                                          | -22.456                      | -30.504            |
| Limit |            | -19.02               |                     |                             |                                                |                          |                          |                                                  |                              |                    |

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

| Port  | Modulation | Measured Level (dBm) |                     |                             |                                                |                          |                          |                                                  |                              |                    |
|-------|------------|----------------------|---------------------|-----------------------------|------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------|------------------------------|--------------------|
|       |            | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low<br>Edge-100 | Low Edge<br>- 100 MHz<br>~ Low Edge<br>- 2 MHz | 2 108 MHz ~<br>2 109 MHz | 2 181 MHz ~<br>2 182 MHz | High Edge<br>+ 2 MHz ~<br>High Edge<br>+ 100 MHz | High<br>Edge+100<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | -27.238              | -28.680             | -39.781                     | -25.676                                        | -28.515                  | -20.322                  | -20.399                                          | -23.095                      | -31.022            |
| 1     | 64QAM      | -27.103              | -29.516             | -39.078                     | -29.066                                        | -31.367                  | -20.260                  | -20.804                                          | -23.440                      | -30.770            |
| 2     | 64QAM      | -27.511              | -30.193             | -39.184                     | -28.392                                        | -30.659                  | -21.057                  | -21.926                                          | -23.464                      | -30.703            |
| 3     | 64QAM      | -25.505              | -29.650             | -39.212                     | -28.208                                        | -29.565                  | -21.806                  | -22.211                                          | -23.793                      | -30.234            |
| Limit |            | -19.02               |                     |                             |                                                |                          |                          |                                                  |                              |                    |

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

| Port  | Modulation | Measured Level (dBm) |                     |                             |                                                |                          |                          |                                                  |                              |                    |
|-------|------------|----------------------|---------------------|-----------------------------|------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------|------------------------------|--------------------|
|       |            | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low<br>Edge-100 | Low Edge<br>- 100 MHz<br>~ Low Edge<br>- 2 MHz | 2 108 MHz ~<br>2 109 MHz | 2 181 MHz ~<br>2 182 MHz | High Edge<br>+ 2 MHz ~<br>High Edge<br>+ 100 MHz | High<br>Edge+100<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | -25.036              | -28.690             | -39.734                     | -23.849                                        | -23.976                  | -20.000                  | -20.584                                          | -25.454                      | -33.112            |
| 1     | 64QAM      | -24.029              | -28.228             | -39.451                     | -24.643                                        | -26.498                  | -20.116                  | -21.289                                          | -25.281                      | -32.515            |
| 2     | 64QAM      | -25.678              | -30.373             | -38.950                     | -26.122                                        | -27.480                  | -21.100                  | -22.301                                          | -25.221                      | -31.035            |
| 3     | 64QAM      | -26.129              | -29.268             | -39.162                     | -27.317                                        | -28.430                  | -22.175                  | -22.843                                          | -25.165                      | -32.153            |
| Limit |            | -19.02               |                     |                             |                                                |                          |                          |                                                  |                              |                    |

## (4 Port) B25 LTE 10 MHz 1 Carrier + B25 LTE 15 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [3 Carrier] (1C+2C)

| Port  | Modulation | Measured Level (dBm) |                     |                             |                                                |                          |                          |                                                  |                              |                    |
|-------|------------|----------------------|---------------------|-----------------------------|------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------|------------------------------|--------------------|
|       |            | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low<br>Edge-100 | Low Edge<br>- 100 MHz<br>~ Low Edge<br>- 2 MHz | 1 928 MHz ~<br>1 929 MHz | 1 996 MHz ~<br>1 997 MHz | High Edge<br>+ 2 MHz ~<br>High Edge<br>+ 100 MHz | High<br>Edge+100<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | -23.093              | -28.195             | -36.829                     | -20.292                                        | -20.868                  | -19.122                  | -18.753                                          | -27.573                      | -26.778            |
| 1     | 64QAM      | -24.097              | -31.577             | -34.824                     | -21.924                                        | -21.580                  | -20.672                  | -20.523                                          | -27.070                      | -27.554            |
| 2     | 64QAM      | -22.549              | -29.347             | -33.823                     | -20.360                                        | -20.613                  | -19.751                  | -19.542                                          | -24.846                      | -27.440            |
| 3     | 64QAM      | -22.739              | -30.361             | -36.361                     | -20.130                                        | -20.050                  | -20.220                  | -20.076                                          | -26.807                      | -27.443            |
| Limit |            | -19.02               |                     |                             |                                                |                          |                          | #S.V                                             | -19.02                       |                    |

## # Summation Value (Sum Data of Port 0, Port 1, Port 2 and Port 3)

| Modulation | High Edge + 2 MHz ~ High Edge + 100 MHz<br>(dBm/MHz) | Limit<br>(dBm/MHz) | Margin<br>(dB) |
|------------|------------------------------------------------------|--------------------|----------------|
| 64QAM      | -13.652                                              | -13                | -0.652         |

## (4 Port) B25 LTE 10 MHz 1 Carrier + B25 LTE 15 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [3 Carrier] (2C+1C)

| Port  | Modulation | Measured Level (dBm) |                     |                             |                                                |                          |                          |                                                  |                              |                    |
|-------|------------|----------------------|---------------------|-----------------------------|------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------|------------------------------|--------------------|
|       |            | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low<br>Edge-100 | Low Edge<br>- 100 MHz<br>~ Low Edge<br>- 2 MHz | 1 928 MHz ~<br>1 929 MHz | 1 996 MHz ~<br>1 997 MHz | High Edge<br>+ 2 MHz ~<br>High Edge<br>+ 100 MHz | High<br>Edge+100<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | -23.586              | -28.778             | -36.825                     | -21.844                                        | -20.799                  | -18.400                  | -18.835                                          | -27.752                      | -27.278            |
| 1     | 64QAM      | -23.495              | -31.382             | -34.878                     | -23.054                                        | -22.622                  | -21.077                  | -20.654                                          | -27.125                      | -27.517            |
| 2     | 64QAM      | -23.754              | -31.382             | -33.849                     | -22.074                                        | -21.501                  | -20.026                  | -19.203                                          | -24.869                      | -27.399            |
| 3     | 64QAM      | -23.373              | -30.518             | -36.427                     | -22.572                                        | -22.081                  | -20.820                  | -20.361                                          | -26.884                      | -27.717            |
| Limit |            | -19.02               |                     |                             |                                                |                          |                          | #Summation Value                                 | -19.02                       |                    |

## # Summation Value (Sum Data of Port 0, Port 1, Port 2 and Port 3)

| Modulation | 1 996 MHz ~ 1 997 MHz<br>(dBm/MHz) | Limit<br>(dBm/MHz) | Margin<br>(dB) |
|------------|------------------------------------|--------------------|----------------|
| 64QAM      | -13.673                            | -13                | -0.673         |

| Modulation | High Edge + 2 MHz ~ High Edge + 100 MHz<br>(dBm/MHz) | Limit<br>(dBm/MHz) | Margin<br>(dB) |
|------------|------------------------------------------------------|--------------------|----------------|
| 64QAM      | -13.676                                              | -13                | -0.676         |

## (4 Port) n25 5G NR 30 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier + B25 LTE 10 MHz 1 Carrier [3 Carrier] (1C+2C)

| Port  | Modulation | Measured Level (dBm) |                     |                             |                                                |                          |                          |                                                  |                              |                    |
|-------|------------|----------------------|---------------------|-----------------------------|------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------|------------------------------|--------------------|
|       |            | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low<br>Edge-100 | Low Edge<br>- 100 MHz<br>~ Low Edge<br>- 2 MHz | 1 928 MHz ~<br>1 929 MHz | 1 996 MHz ~<br>1 997 MHz | High Edge<br>+ 2 MHz ~<br>High Edge<br>+ 100 MHz | High<br>Edge+100<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | -22.747              | -29.513             | -36.765                     | -21.905                                        | -21.723                  | -19.257                  | -18.757                                          | -27.737                      | -27.254            |
| 1     | 64QAM      | -23.718              | -30.792             | -34.930                     | -22.643                                        | -22.487                  | -20.377                  | -20.308                                          | -27.153                      | -27.591            |
| 2     | 64QAM      | -24.348              | -30.488             | -33.897                     | -21.798                                        | -21.256                  | -19.762                  | -19.573                                          | -24.826                      | -27.273            |
| 3     | 64QAM      | -22.452              | -29.091             | -36.465                     | -22.306                                        | -22.261                  | -20.265                  | -20.078                                          | -26.872                      | -27.742            |
| Limit |            | -19.02               |                     |                             |                                                |                          |                          | #S.V                                             | -19.02                       |                    |

## # Summation Value (Sum Data of Port 0, Port 1, Port 2 and Port 3)

| Modulation | High Edge + 2 MHz ~ High Edge + 100 MHz<br>(dBm/MHz) | Limit<br>(dBm/MHz) | Margin<br>(dB) |
|------------|------------------------------------------------------|--------------------|----------------|
| 64QAM      | -13.617                                              | -13                | -0.617         |

## (4 Port) n25 5G NR 30 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier + B25 LTE 10 MHz 1 Carrier [3 Carrier] (2C+1C)

| Port  | Modulation | Measured Level (dBm) |                     |                             |                                                |                          |                          |                                                  |                              |                    |
|-------|------------|----------------------|---------------------|-----------------------------|------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------|------------------------------|--------------------|
|       |            | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low<br>Edge-100 | Low Edge<br>- 100 MHz<br>~ Low Edge<br>- 2 MHz | 1 928 MHz ~<br>1 929 MHz | 1 996 MHz ~<br>1 997 MHz | High Edge<br>+ 2 MHz ~<br>High Edge<br>+ 100 MHz | High<br>Edge+100<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | -23.442              | -29.283             | -36.980                     | -21.546                                        | -20.839                  | -19.258                  | -18.777                                          | -27.587                      | -27.078            |
| 1     | 64QAM      | -23.663              | -30.212             | -34.737                     | -22.090                                        | -22.006                  | -20.488                  | -20.184                                          | -27.162                      | -27.826            |
| 2     | 64QAM      | -23.703              | -29.678             | -33.702                     | -20.039                                        | -20.143                  | -19.562                  | -19.353                                          | -24.894                      | -27.502            |
| 3     | 64QAM      | -22.426              | -29.778             | -36.478                     | -21.198                                        | -21.159                  | -20.108                  | -20.273                                          | -26.794                      | -27.711            |
| Limit |            | -19.02               |                     |                             |                                                |                          |                          | #S.V                                             | -19.02                       |                    |

## # Summation Value (Sum Data of Port 0, Port 1, Port 2 and Port 3)

| Modulation | High Edge + 2 MHz ~ High Edge + 100 MHz<br>(dBm/MHz) | Limit<br>(dBm/MHz) | Margin<br>(dB) |
|------------|------------------------------------------------------|--------------------|----------------|
| 64QAM      | -13.582                                              | -13                | -0.582         |

## (4 Port) n25 5G NR 5 MHz 1 Carrier + n25 5G NR 10 MHz 1 Carrier + n25 5G NR 30 MHz 1 Carrier [3 Carrier] (1C+2C)

| Port  | Modulation | Measured Level (dBm) |                     |                             |                                                |                          |                          |                                                  |                              |                    |
|-------|------------|----------------------|---------------------|-----------------------------|------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------|------------------------------|--------------------|
|       |            | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low<br>Edge-100 | Low Edge<br>- 100 MHz<br>~ Low Edge<br>- 2 MHz | 1 928 MHz ~<br>1 929 MHz | 1 996 MHz ~<br>1 997 MHz | High Edge<br>+ 2 MHz ~<br>High Edge<br>+ 100 MHz | High<br>Edge+100<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | -23.709              | -28.659             | -36.825                     | -20.710                                        | -20.575                  | -18.756                  | -19.071                                          | -27.730                      | -27.287            |
| 1     | 64QAM      | -24.471              | -30.641             | -34.923                     | -22.380                                        | -21.901                  | -20.327                  | -20.127                                          | -27.127                      | -27.733            |
| 2     | 64QAM      | -22.967              | -29.816             | -33.889                     | -20.103                                        | -20.295                  | -19.396                  | -19.315                                          | -24.794                      | -27.415            |
| 3     | 64QAM      | -23.398              | -29.420             | -36.312                     | -20.751                                        | -20.569                  | -20.302                  | -20.160                                          | -26.763                      | -27.647            |
| Limit |            | -19.02               |                     |                             |                                                |                          | #S.V                     | -19.02                                           |                              |                    |

## # Summation Value (Sum Data of Port 0, Port 1, Port 2 and Port 3)

| Modulation | 1 996 MHz ~ 1 997 MHz<br>(dBm/MHz) | Limit<br>(dBm/MHz) | Margin<br>(dB) |
|------------|------------------------------------|--------------------|----------------|
| 64QAM      | -13.814                            | -13                | -0.814         |

## (4 Port) n25 5G NR 5 MHz 1 Carrier + n25 5G NR 10 MHz 1 Carrier + n25 5G NR 30 MHz 1 Carrier [3 Carrier] (2C+1C)

| Port  | Modulation | Measured Level (dBm) |                     |                             |                                                |                          |                          |                                                  |                              |                    |
|-------|------------|----------------------|---------------------|-----------------------------|------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------|------------------------------|--------------------|
|       |            | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low<br>Edge-100 | Low Edge<br>- 100 MHz<br>~ Low Edge<br>- 2 MHz | 1 928 MHz ~<br>1 929 MHz | 1 996 MHz ~<br>1 997 MHz | High Edge<br>+ 2 MHz ~<br>High Edge<br>+ 100 MHz | High<br>Edge+100<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | -22.962              | -29.220             | -36.790                     | -20.667                                        | -20.522                  | -18.918                  | -18.896                                          | -27.809                      | -27.343            |
| 1     | 64QAM      | -24.062              | -30.120             | -34.898                     | -22.313                                        | -21.777                  | -20.111                  | -19.900                                          | -27.073                      | -27.464            |
| 2     | 64QAM      | -23.543              | -30.174             | -33.830                     | -21.642                                        | -20.776                  | -20.084                  | -20.114                                          | -24.907                      | -27.217            |
| 3     | 64QAM      | -22.645              | -27.252             | -36.338                     | -21.042                                        | -20.813                  | -20.378                  | -20.129                                          | -26.669                      | -27.560            |
| Limit |            | -19.02               |                     |                             |                                                |                          | #Summation Value         | -19.02                                           |                              |                    |

## # Summation Value (Sum Data of Port 0, Port 1, Port 2 and Port 3)

| Modulation | 1 996 MHz ~ 1 997 MHz<br>(dBm/MHz) | Limit<br>(dBm/MHz) | Margin<br>(dB) |
|------------|------------------------------------|--------------------|----------------|
| 64QAM      | -13.624                            | -13                | -0.624         |

| Modulation | High Edge + 2 MHz ~ High Edge + 100 MHz<br>(dBm/MHz) | Limit<br>(dBm/MHz) | Margin<br>(dB) |
|------------|------------------------------------------------------|--------------------|----------------|
| 64QAM      | -13.621                                              | -13                | -0.621         |

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

| Port  | Modulation | Measured Level (dBm) |                  |                       |                                       |                       |                       |                                         |                        |                 |
|-------|------------|----------------------|------------------|-----------------------|---------------------------------------|-----------------------|-----------------------|-----------------------------------------|------------------------|-----------------|
|       |            | 9 kHz ~ 150 kHz      | 150 kHz ~ 30 MHz | 30 MHz ~ Low Edge-100 | Low Edge - 100 MHz ~ Low Edge - 2 MHz | 2 108 MHz ~ 2 109 MHz | 2 181 MHz ~ 2 182 MHz | High Edge + 2 MHz ~ High Edge + 100 MHz | High Edge+100 ~ 10 GHz | 10 GHz ~ 22 GHz |
| 0     | 64QAM      | -27.896              | -30.762          | -39.005               | -21.817                               | -29.555               | -22.952               | -22.364                                 | -23.771                | -31.529         |
| 1     | 64QAM      | -26.216              | -30.366          | -39.540               | -22.605                               | -31.660               | -23.637               | -23.078                                 | -24.449                | -31.219         |
| 2     | 64QAM      | -26.759              | -32.492          | -38.712               | -23.458                               | -30.929               | -23.585               | -22.688                                 | -23.994                | -31.535         |
| 3     | 64QAM      | -25.569              | -31.669          | -39.775               | -23.021                               | -30.022               | -23.319               | -22.949                                 | -23.745                | -30.362         |
| Limit |            | -19.02               |                  |                       |                                       |                       |                       |                                         |                        |                 |

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

| Port  | Modulation | Measured Level (dBm) |                  |                       |                                       |                       |                       |                                         |                        |                 |
|-------|------------|----------------------|------------------|-----------------------|---------------------------------------|-----------------------|-----------------------|-----------------------------------------|------------------------|-----------------|
|       |            | 9 kHz ~ 150 kHz      | 150 kHz ~ 30 MHz | 30 MHz ~ Low Edge-100 | Low Edge - 100 MHz ~ Low Edge - 2 MHz | 2 108 MHz ~ 2 109 MHz | 2 181 MHz ~ 2 182 MHz | High Edge + 2 MHz ~ High Edge + 100 MHz | High Edge+100 ~ 10 GHz | 10 GHz ~ 22 GHz |
| 0     | 64QAM      | -27.265              | -30.465          | -40.145               | -21.740                               | -29.873               | -21.313               | -20.185                                 | -23.671                | -32.138         |
| 1     | 64QAM      | -25.571              | -30.567          | -39.843               | -22.349                               | -31.266               | -21.788               | -21.202                                 | -23.935                | -30.621         |
| 2     | 64QAM      | -26.129              | -31.996          | -38.900               | -23.114                               | -30.896               | -22.212               | -21.697                                 | -23.926                | -30.667         |
| 3     | 64QAM      | -24.822              | -30.154          | -39.544               | -22.162                               | -29.633               | -21.737               | -21.250                                 | -23.628                | -30.974         |
| Limit |            | -19.02               |                  |                       |                                       |                       |                       |                                         |                        |                 |

(4 Port) n66 5G NR 30 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 15 MHz 1 Carrier [5 Carrier] (1C+4C)

| Port  | Modulation | Measured Level (dBm) |                  |                       |                                       |                       |                       |                                         |                        |                 |
|-------|------------|----------------------|------------------|-----------------------|---------------------------------------|-----------------------|-----------------------|-----------------------------------------|------------------------|-----------------|
|       |            | 9 kHz ~ 150 kHz      | 150 kHz ~ 30 MHz | 30 MHz ~ Low Edge-100 | Low Edge - 100 MHz ~ Low Edge - 2 MHz | 2 108 MHz ~ 2 109 MHz | 2 181 MHz ~ 2 182 MHz | High Edge + 2 MHz ~ High Edge + 100 MHz | High Edge+100 ~ 10 GHz | 10 GHz ~ 22 GHz |
| 0     | 64QAM      | -27.519              | -30.410          | -40.448               | -24.615                               | -28.334               | -20.460               | -20.567                                 | -24.884                | -32.344         |
| 1     | 64QAM      | -25.233              | -31.405          | -39.950               | -26.386                               | -32.703               | -21.984               | -21.890                                 | -25.227                | -32.373         |
| 2     | 64QAM      | -26.130              | -31.511          | -39.927               | -28.320                               | -32.718               | -23.303               | -22.573                                 | -25.472                | -30.009         |
| 3     | 64QAM      | -24.556              | -30.848          | -39.863               | -26.200                               | -31.377               | -23.527               | -22.777                                 | -24.750                | -32.183         |
| Limit |            | -19.02               |                  |                       |                                       |                       |                       |                                         |                        |                 |

(4 Port) n66 5G NR 30 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier  
+ B66 LTE 15 MHz 1 Carrier [5 Carrier] (4C+1C)

| Port  | Modulation | Measured Level (dBm) |                     |                             |                                                |                          |                          |                                                  |                              |                    |
|-------|------------|----------------------|---------------------|-----------------------------|------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------|------------------------------|--------------------|
|       |            | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low<br>Edge-100 | Low Edge<br>- 100 MHz<br>~ Low Edge<br>- 2 MHz | 2 108 MHz ~<br>2 109 MHz | 2 181 MHz ~<br>2 182 MHz | High Edge<br>+ 2 MHz ~<br>High Edge<br>+ 100 MHz | High<br>Edge+100<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | -27.015              | -30.018             | -40.122                     | -24.623                                        | -30.343                  | -20.676                  | -20.131                                          | -25.518                      | -31.969            |
| 1     | 64QAM      | -26.357              | -30.828             | -39.506                     | -27.947                                        | -33.256                  | -21.834                  | -21.528                                          | -25.197                      | -31.383            |
| 2     | 64QAM      | -26.988              | -32.496             | -39.128                     | -28.601                                        | -32.350                  | -21.609                  | -21.640                                          | -24.332                      | -32.432            |
| 3     | 64QAM      | -24.642              | -31.062             | -39.973                     | -26.121                                        | -31.600                  | -23.734                  | -22.677                                          | -24.654                      | -32.755            |
| Limit |            | -19.02               |                     |                             |                                                |                          |                          |                                                  |                              |                    |

(4 Port) n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 15 MHz 1 Carrier + n66 5G NR 30 MHz  
1 Carrier + B66 LTE 5 MHz 1 Carrier [5 Carrier] (1C+4C)

| Port  | Modulation | Measured Level (dBm) |                     |                             |                                                |                          |                          |                                                  |                              |                    |
|-------|------------|----------------------|---------------------|-----------------------------|------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------|------------------------------|--------------------|
|       |            | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low<br>Edge-100 | Low Edge<br>- 100 MHz<br>~ Low Edge<br>- 2 MHz | 2 108 MHz ~<br>2 109 MHz | 2 181 MHz ~<br>2 182 MHz | High Edge<br>+ 2 MHz ~<br>High Edge<br>+ 100 MHz | High<br>Edge+100<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | -23.133              | -23.002             | -36.034                     | -28.408                                        | -37.858                  | -20.598                  | -20.217                                          | -23.211                      | -28.038            |
| 1     | 64QAM      | -23.587              | -23.980             | -39.901                     | -25.320                                        | -38.913                  | -24.171                  | -23.705                                          | -25.361                      | -27.467            |
| 2     | 64QAM      | -22.073              | -23.575             | -36.851                     | -31.650                                        | -41.085                  | -24.174                  | -23.779                                          | -22.633                      | -26.691            |
| 3     | 64QAM      | -23.172              | -24.543             | -38.449                     | -31.993                                        | -40.891                  | -23.437                  | -23.018                                          | -23.212                      | -26.550            |
| Limit |            | -19.02               |                     |                             |                                                |                          |                          |                                                  |                              |                    |

(4 Port) n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 15 MHz 1 Carrier + n66 5G NR 30 MHz  
1 Carrier + B66 LTE 5 MHz 1 Carrier [5 Carrier] (4C+1C)

| Port  | Modulation | Measured Level (dBm) |                     |                             |                                                |                          |                          |                                                  |                              |                    |
|-------|------------|----------------------|---------------------|-----------------------------|------------------------------------------------|--------------------------|--------------------------|--------------------------------------------------|------------------------------|--------------------|
|       |            | 9 kHz ~<br>150 kHz   | 150 kHz ~<br>30 MHz | 30 MHz ~<br>Low<br>Edge-100 | Low Edge<br>- 100 MHz<br>~ Low Edge<br>- 2 MHz | 2 108 MHz ~<br>2 109 MHz | 2 181 MHz ~<br>2 182 MHz | High Edge<br>+ 2 MHz ~<br>High Edge<br>+ 100 MHz | High<br>Edge+100<br>~ 10 GHz | 10 GHz ~<br>22 GHz |
| 0     | 64QAM      | -23.531              | -22.045             | -36.976                     | -26.769                                        | -38.019                  | -20.171                  | -20.062                                          | -23.572                      | -27.718            |
| 1     | 64QAM      | -22.298              | -22.703             | -40.302                     | -25.022                                        | -38.678                  | -22.396                  | -21.954                                          | -25.359                      | -28.015            |
| 2     | 64QAM      | -23.125              | -23.896             | -37.181                     | -32.068                                        | -41.197                  | -22.069                  | -22.007                                          | -22.155                      | -26.487            |
| 3     | 64QAM      | -22.133              | -23.824             | -38.625                     | -31.646                                        | -41.216                  | -22.033                  | -21.572                                          | -23.283                      | -27.143            |
| Limit |            | -19.02               |                     |                             |                                                |                          |                          |                                                  |                              |                    |

(4 Port) n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 15 MHz 1 Carrier + n66 5G NR 30 MHz 1 Carrier [5 Carrier] (1C+4C)

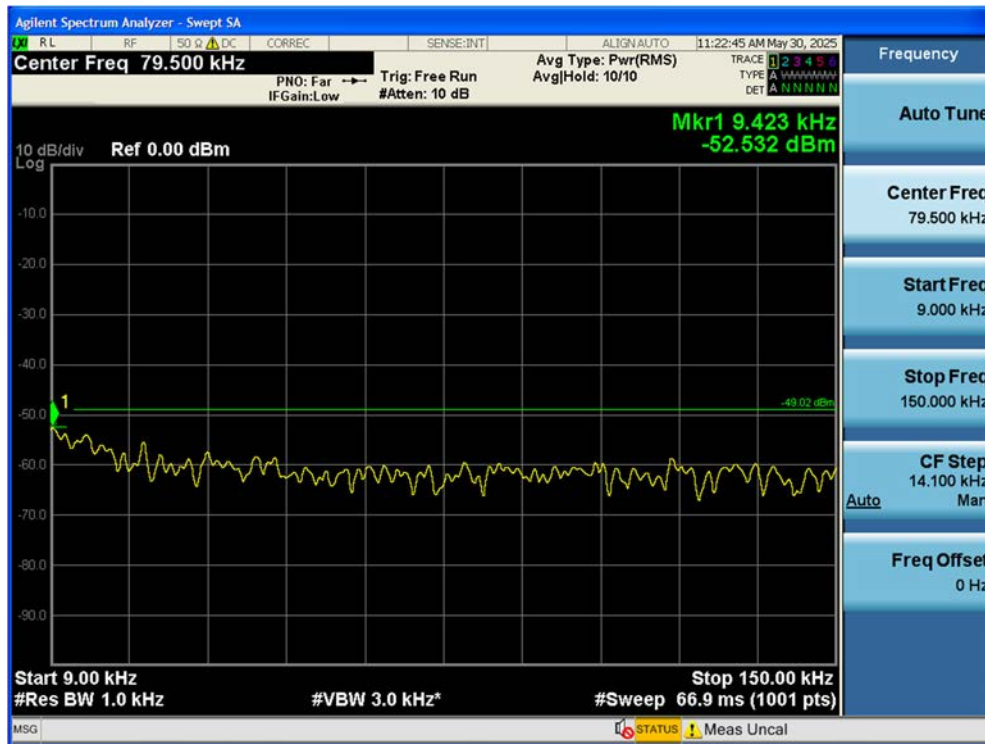
| Port  | Modulation | Measured Level (dBm) |                  |                       |                                       |                       |                       |                                         |                        |                 |
|-------|------------|----------------------|------------------|-----------------------|---------------------------------------|-----------------------|-----------------------|-----------------------------------------|------------------------|-----------------|
|       |            | 9 kHz ~ 150 kHz      | 150 kHz ~ 30 MHz | 30 MHz ~ Low Edge-100 | Low Edge - 100 MHz ~ Low Edge - 2 MHz | 2 108 MHz ~ 2 109 MHz | 2 181 MHz ~ 2 182 MHz | High Edge + 2 MHz ~ High Edge + 100 MHz | High Edge+100 ~ 10 GHz | 10 GHz ~ 22 GHz |
| 0     | 64QAM      | -22.491              | -22.532          | -36.566               | -28.449                               | -36.377               | -20.933               | -20.418                                 | -23.300                | -26.404         |
| 1     | 64QAM      | -25.191              | -22.288          | -39.874               | -30.272                               | -39.157               | -24.500               | -24.152                                 | -25.291                | -27.410         |
| 2     | 64QAM      | -22.810              | -22.698          | -38.306               | -31.119                               | -41.186               | -24.337               | -23.837                                 | -22.579                | -26.550         |
| 3     | 64QAM      | -23.161              | -22.911          | -38.186               | -27.030                               | -41.133               | -22.636               | -21.977                                 | -23.110                | -25.990         |
| Limit |            | -19.02               |                  |                       |                                       |                       |                       |                                         |                        |                 |

(4 Port) n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + n66 5G NR 15 MHz 1 Carrier + n66 5G NR 30 MHz 1 Carrier [5 Carrier] (4C+1C)

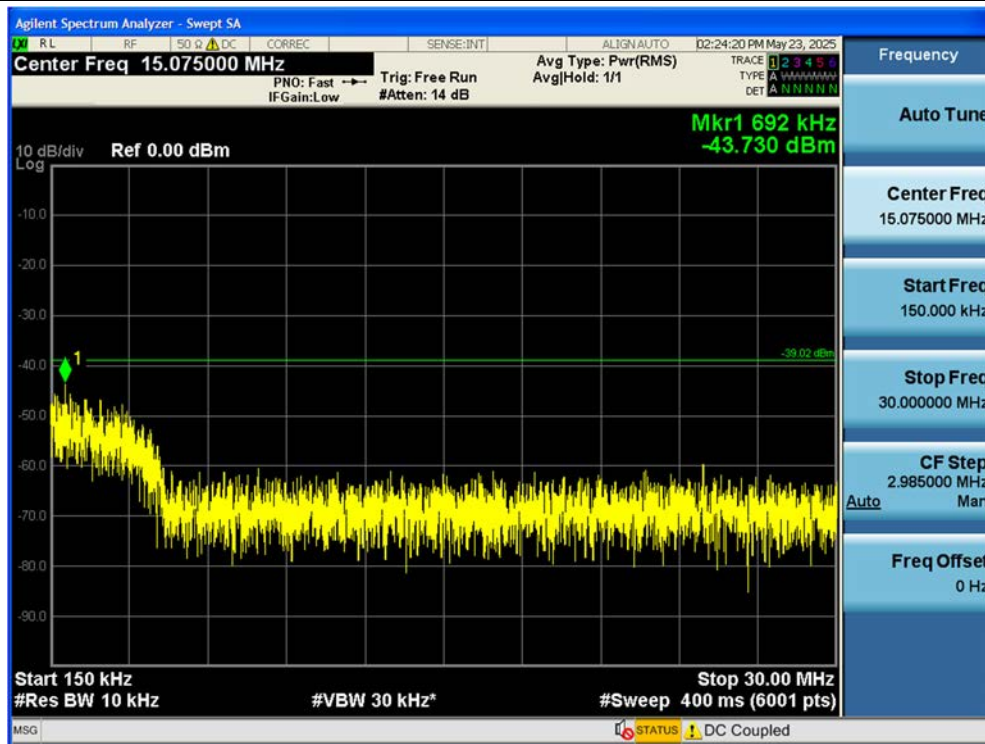
| Port  | Modulation | Measured Level (dBm) |                  |                       |                                       |                       |                       |                                         |                        |                 |
|-------|------------|----------------------|------------------|-----------------------|---------------------------------------|-----------------------|-----------------------|-----------------------------------------|------------------------|-----------------|
|       |            | 9 kHz ~ 150 kHz      | 150 kHz ~ 30 MHz | 30 MHz ~ Low Edge-100 | Low Edge - 100 MHz ~ Low Edge - 2 MHz | 2 108 MHz ~ 2 109 MHz | 2 181 MHz ~ 2 182 MHz | High Edge + 2 MHz ~ High Edge + 100 MHz | High Edge+100 ~ 10 GHz | 10 GHz ~ 22 GHz |
| 0     | 64QAM      | -23.299              | -22.272          | -36.691               | -28.320                               | -37.167               | -21.046               | -20.252                                 | -23.312                | -27.297         |
| 1     | 64QAM      | -23.312              | -22.076          | -40.182               | -26.998                               | -39.216               | -24.179               | -23.757                                 | -25.003                | -27.088         |
| 2     | 64QAM      | -23.350              | -22.381          | -37.954               | -31.578                               | -41.462               | -24.427               | -23.700                                 | -22.179                | -26.293         |
| 3     | 64QAM      | -22.561              | -22.168          | -38.301               | -26.391                               | -41.166               | -22.773               | -22.273                                 | -22.999                | -26.605         |
| Limit |            | -19.02               |                  |                       |                                       |                       |                       |                                         |                        |                 |

## Plot Data of Spurious Unwanted Emissions

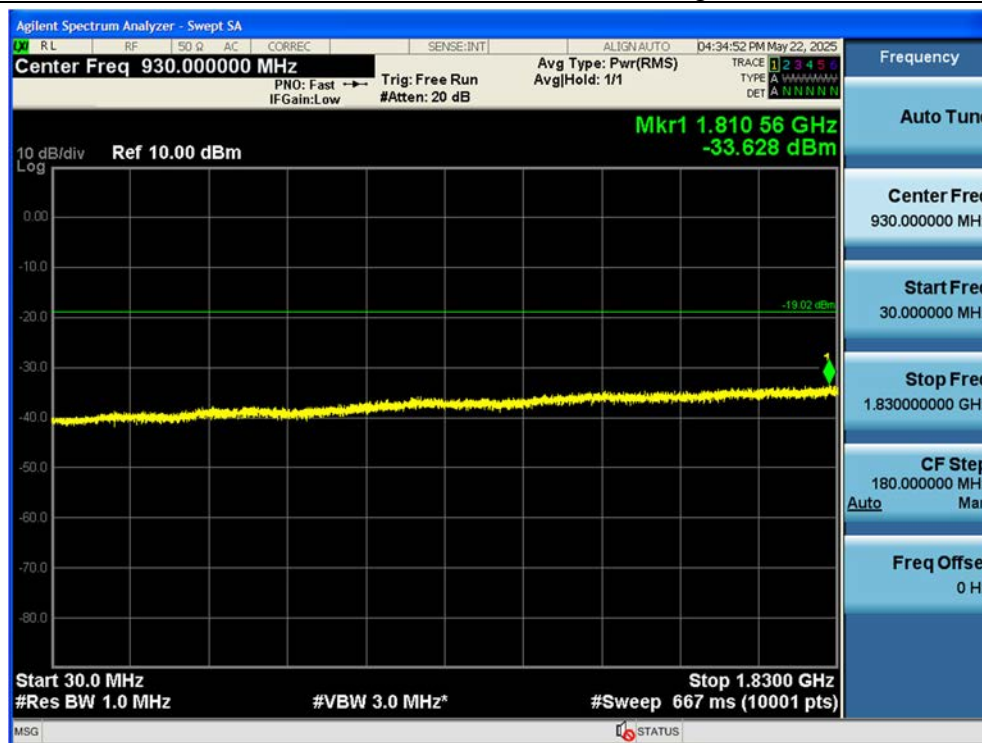
Antenna 1 / (4 Port) B25 LTE 5 MHz 1 Carrier / 9 kHz ~ 150 kHz / 64QAM / Low



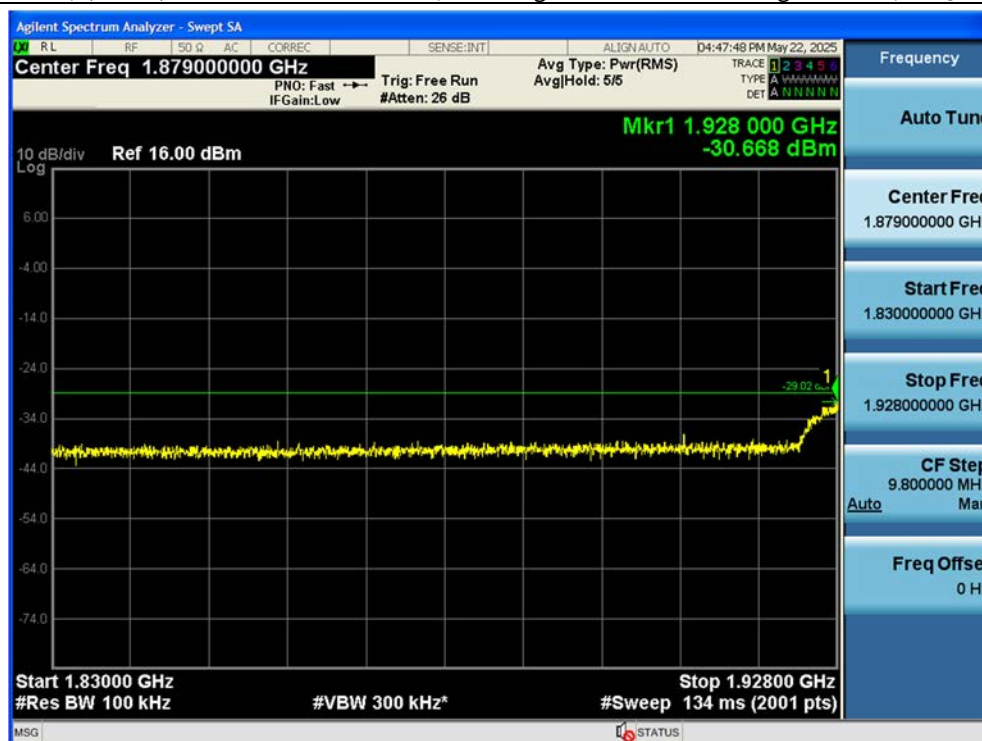
Antenna 3 / (4 Port) B25 LTE 5 MHz 1 Carrier / 150 kHz ~ 30 MHz / 64QAM / High



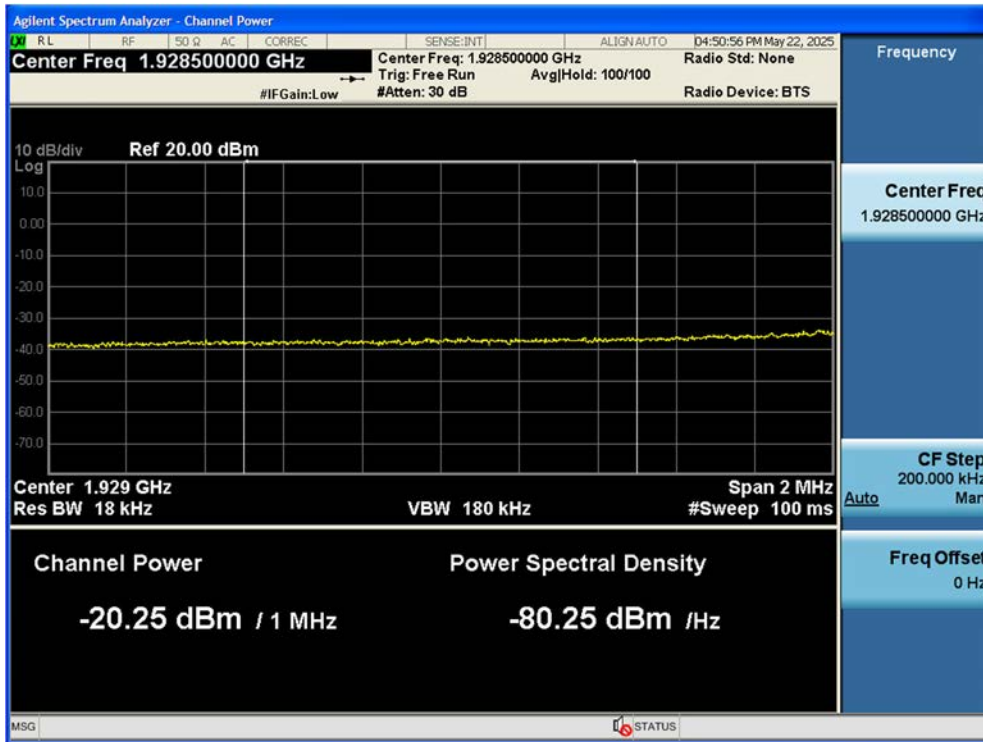
Antenna 2 / (4 Port) B25 LTE 5 MHz 1 Carrier / 30 MHz ~ Low Edge - 100 MHz / 64QAM / Low



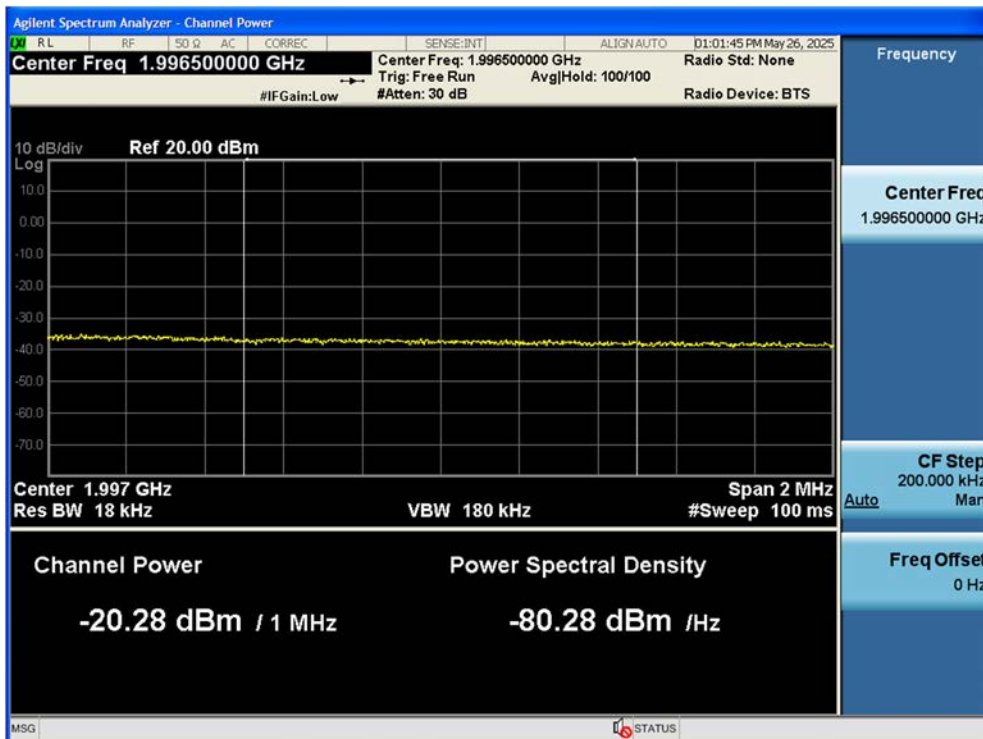
Antenna 2 / (4 Port) B25 LTE 5 MHz 1 Carrier / Low Edge - 100 MHz ~ Low Edge - 2 MHz / 64QAM / Low



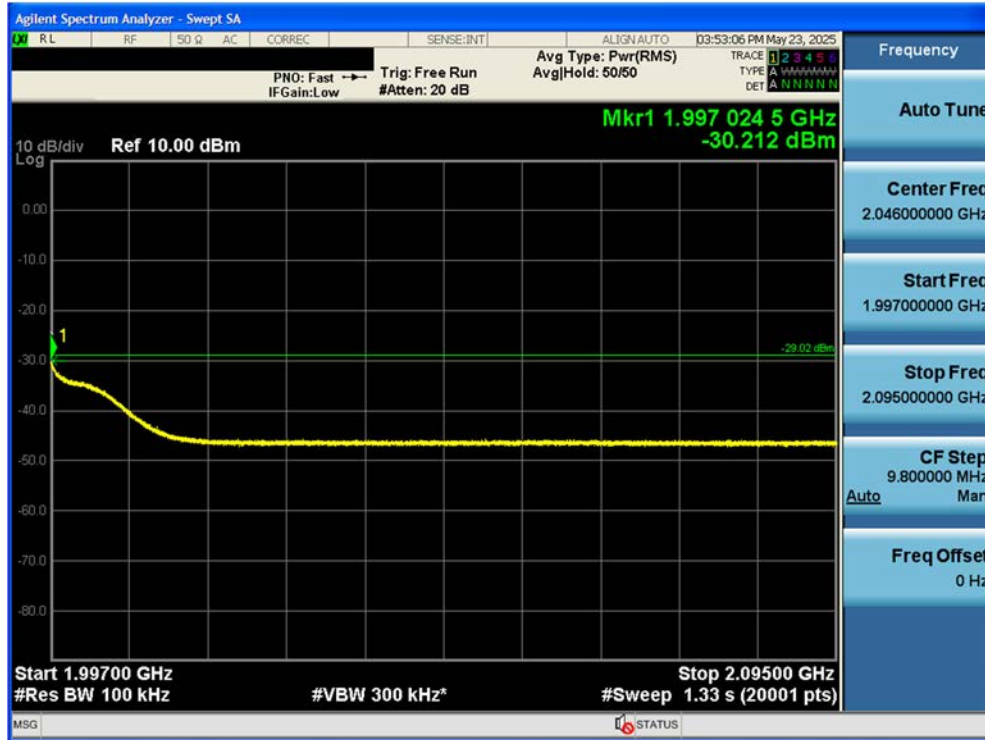
Antenna 0 / (4 Port) B25 LTE 5 MHz 1 Carrier / 1 928 MHz ~ 1 929 MHz / 64QAM / Low



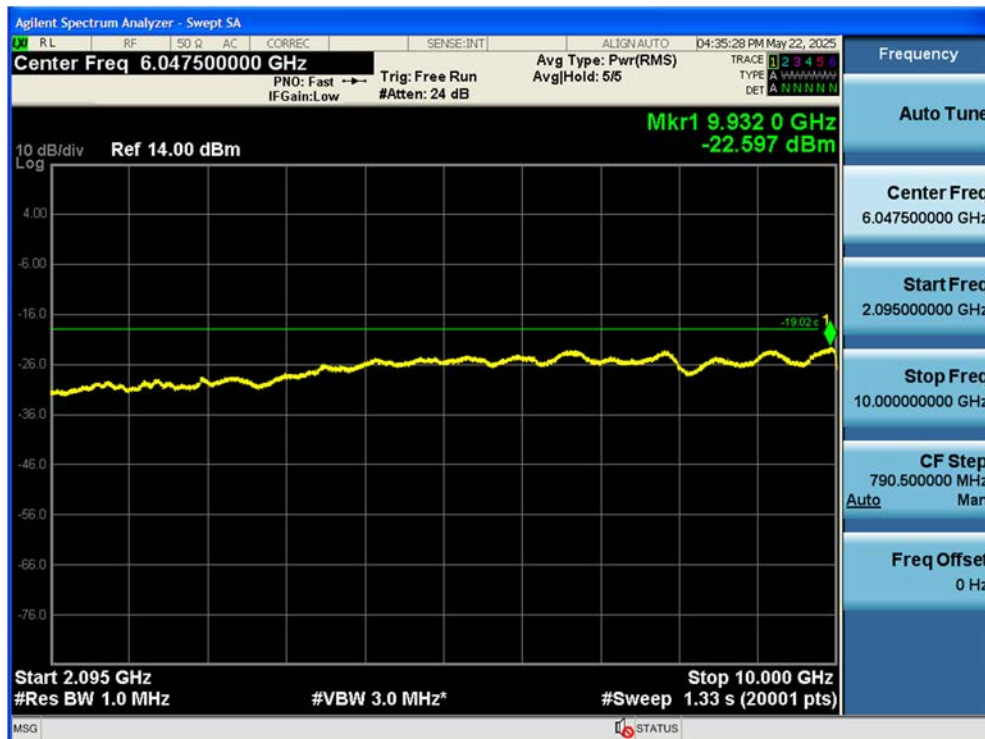
Antenna 1 / (4 Port) B25 LTE 5 MHz 1 Carrier / 1 996 MHz ~ 1 997 MHz / 64QAM / High



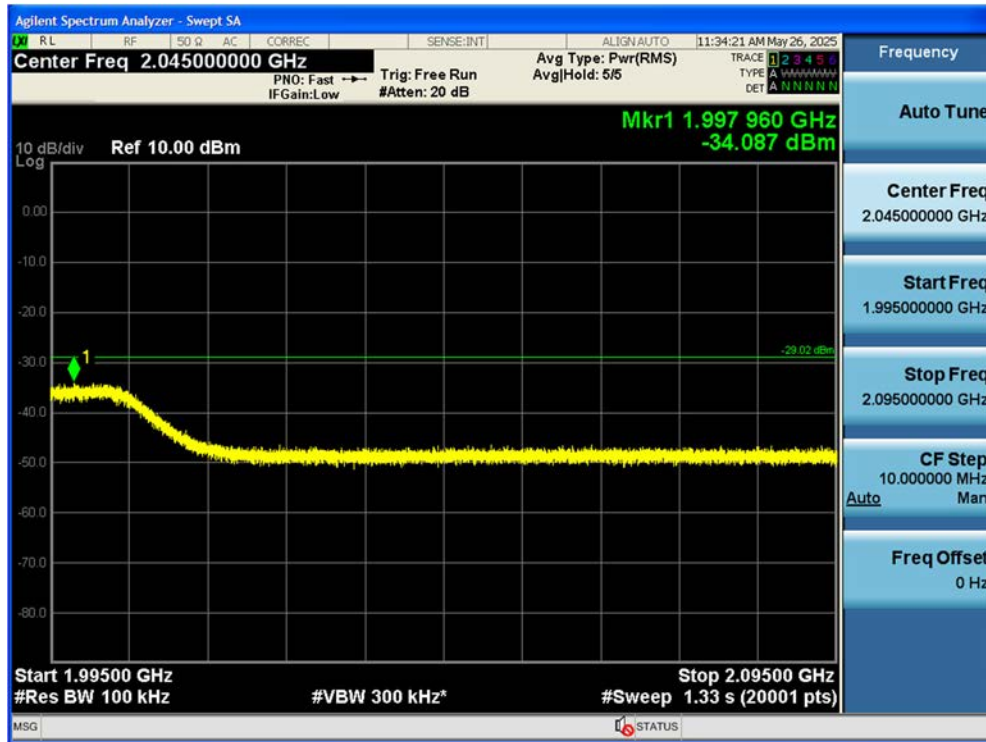
Antenna 1 / (4 Port) B25 LTE 5 MHz 1 Carrier / High Edge + 2 MHz ~ High Edge + 100 MHz / 64QAM / High



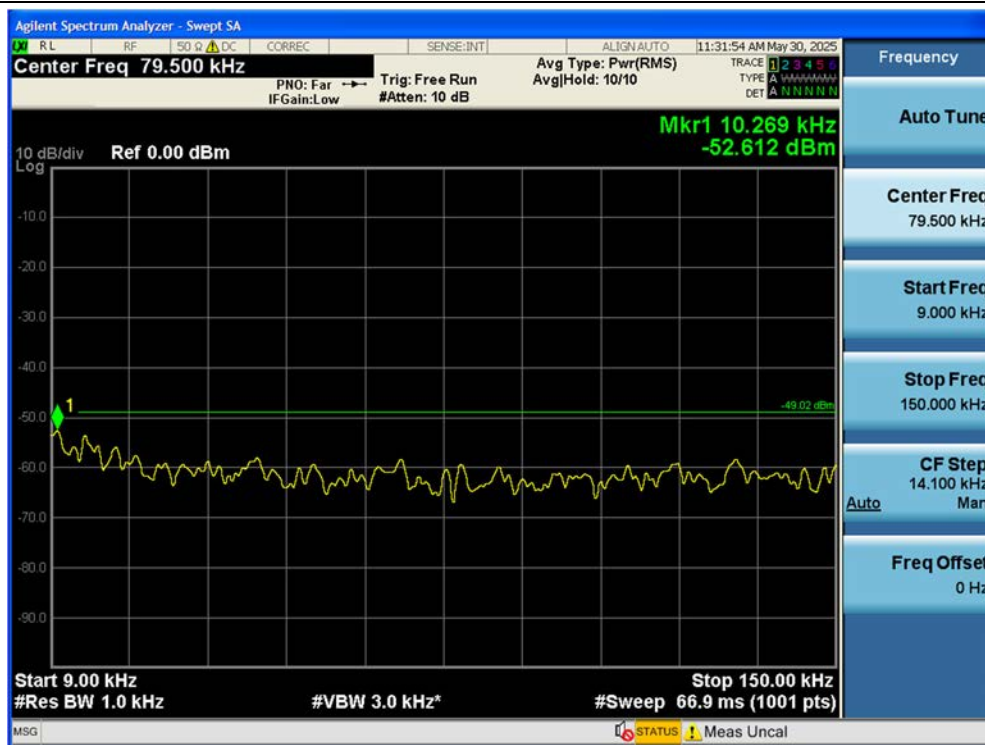
Antenna 2 / (4 Port) B25 LTE 5 MHz 1 Carrier / High Edge + 100 MHz ~ 10 GHz / 64QAM / Low



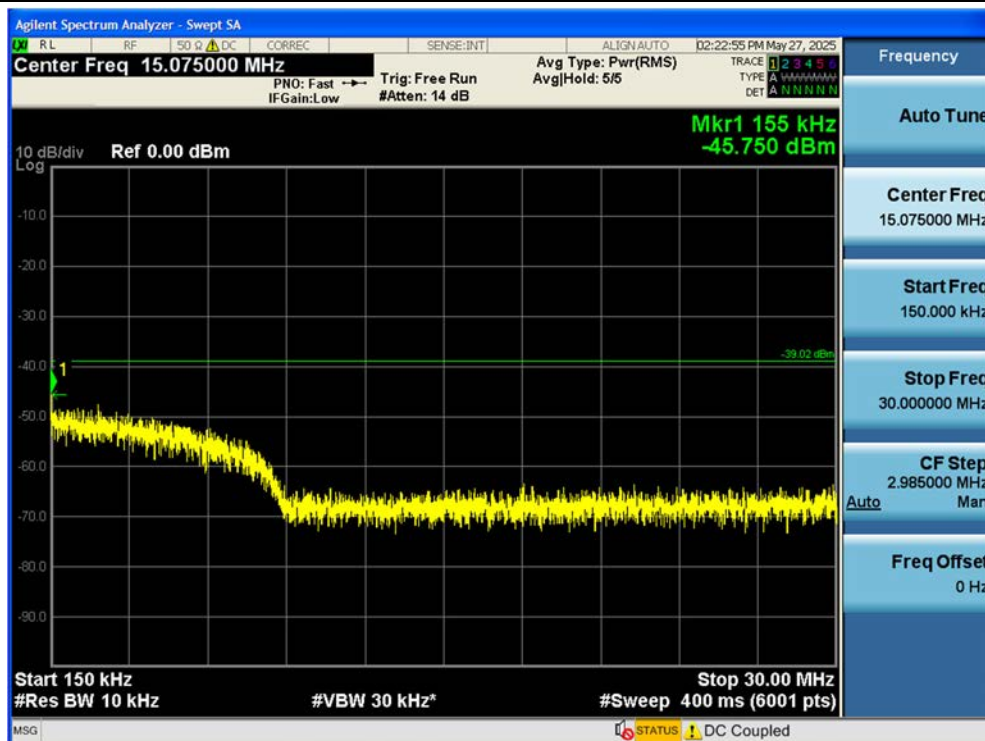
## Antenna 0 / (4 Port) B25 LTE 5 MHz 1 Carrier / 10 GHz ~ 22 GHz / 64QAM / Middle



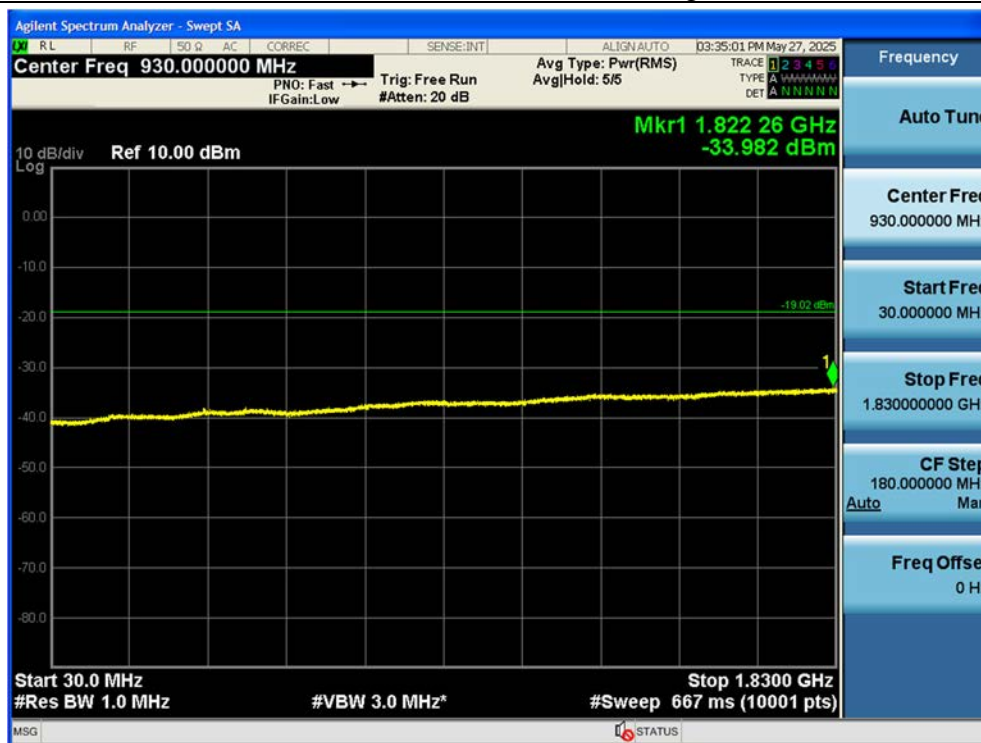
Antenna 1 / (4 Port) B25 LTE 10 MHz 1 Carrier / 9 kHz ~ 150 kHz / 64QAM / Middle



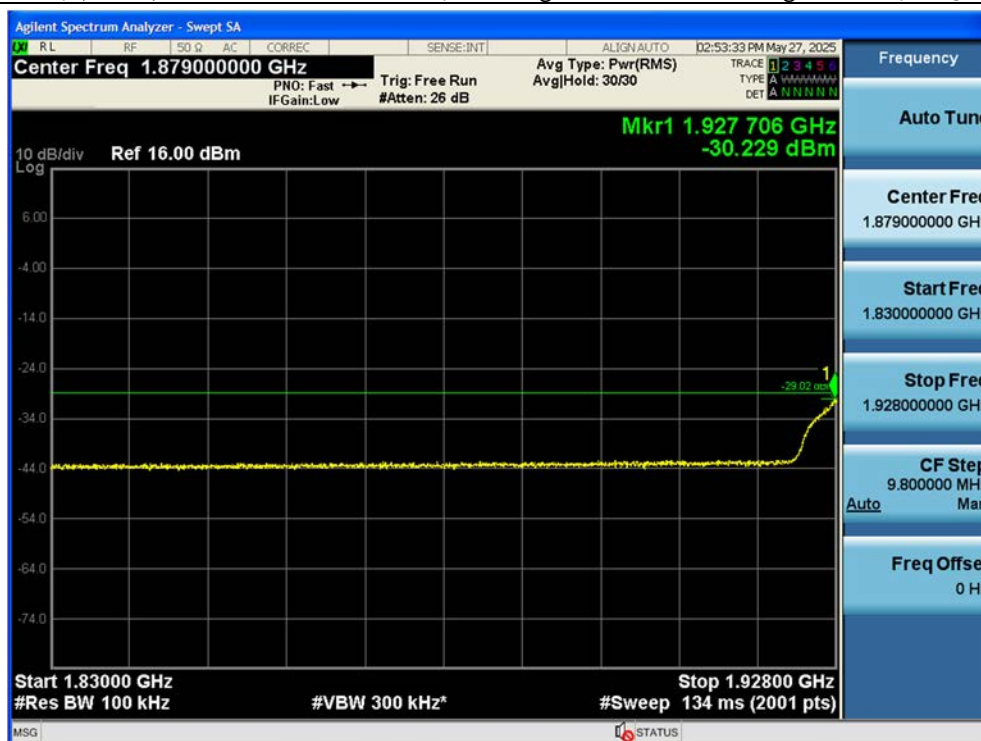
Antenna 3 / (4 Port) B25 LTE 10 MHz 1 Carrier / 150 kHz ~ 30 MHz / 64QAM / High



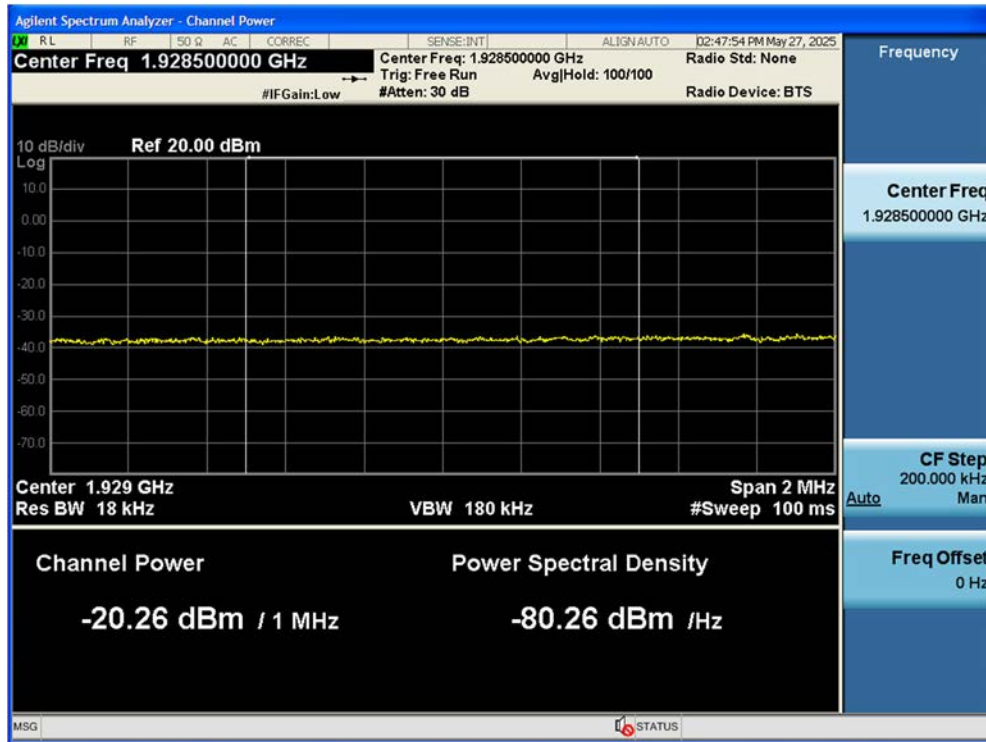
## Antenna 2 / (4 Port) B25 LTE 10 MHz 1 Carrier / 30 MHz ~ Low Edge - 100 MHz / 64QAM / Middle



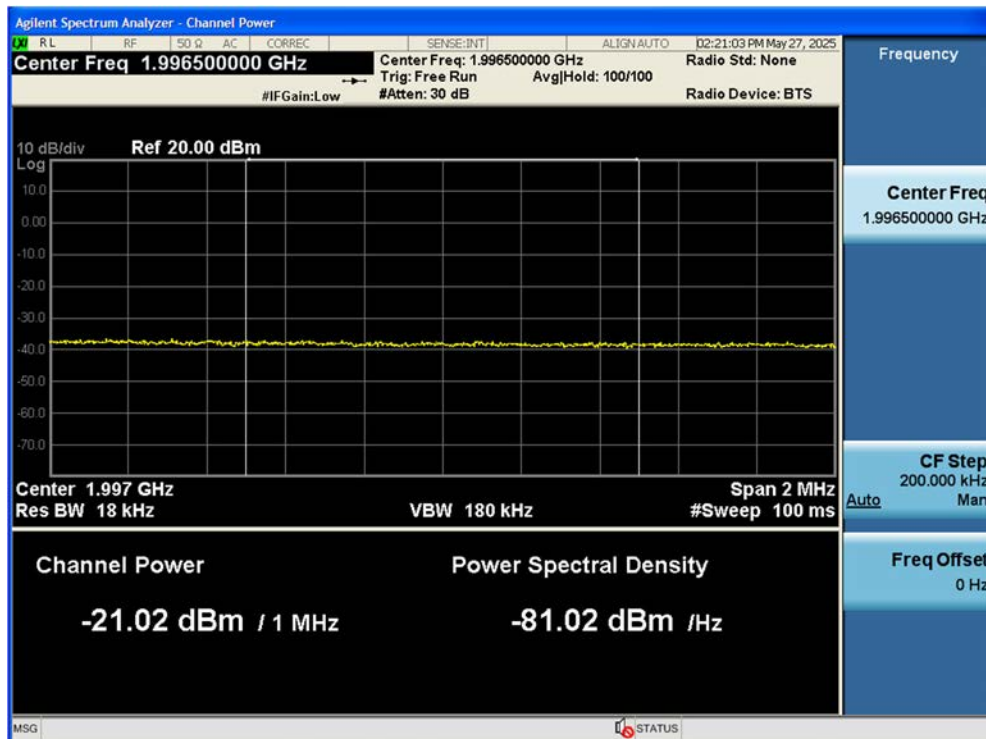
## Antenna 3 / (4 Port) B25 LTE 10 MHz 1 Carrier / Low Edge - 100 MHz ~ Low Edge - 2 MHz / 64QAM / Low



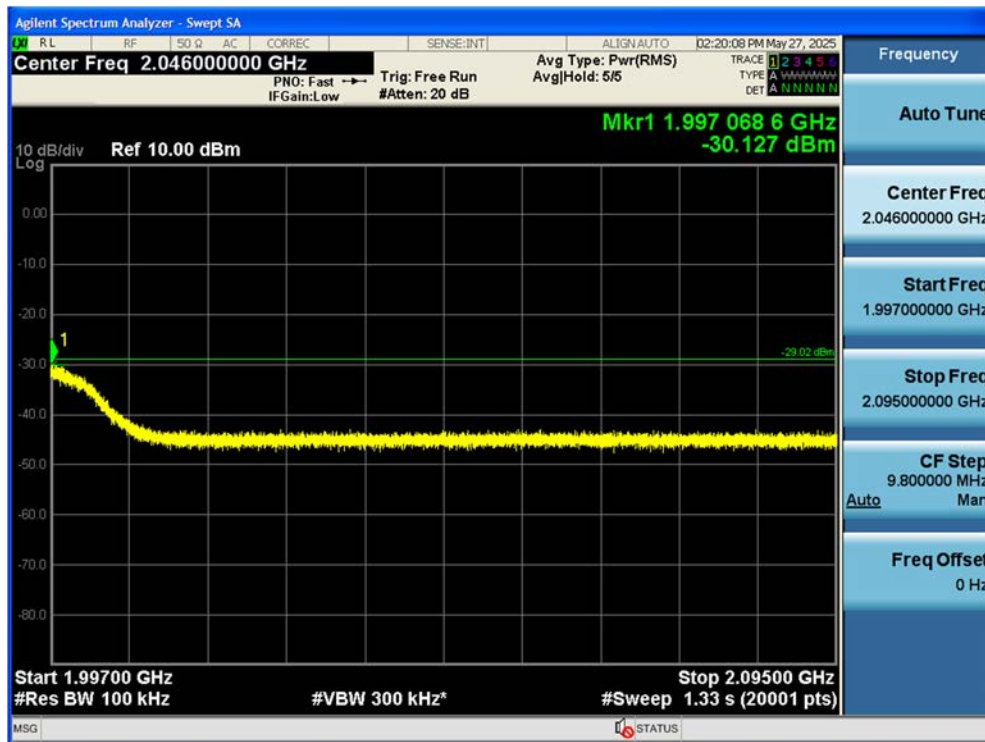
Antenna 1 / (4 Port) B25 LTE 10 MHz 1 Carrier / 1 928 MHz ~ 1 929 MHz / 64QAM / Low



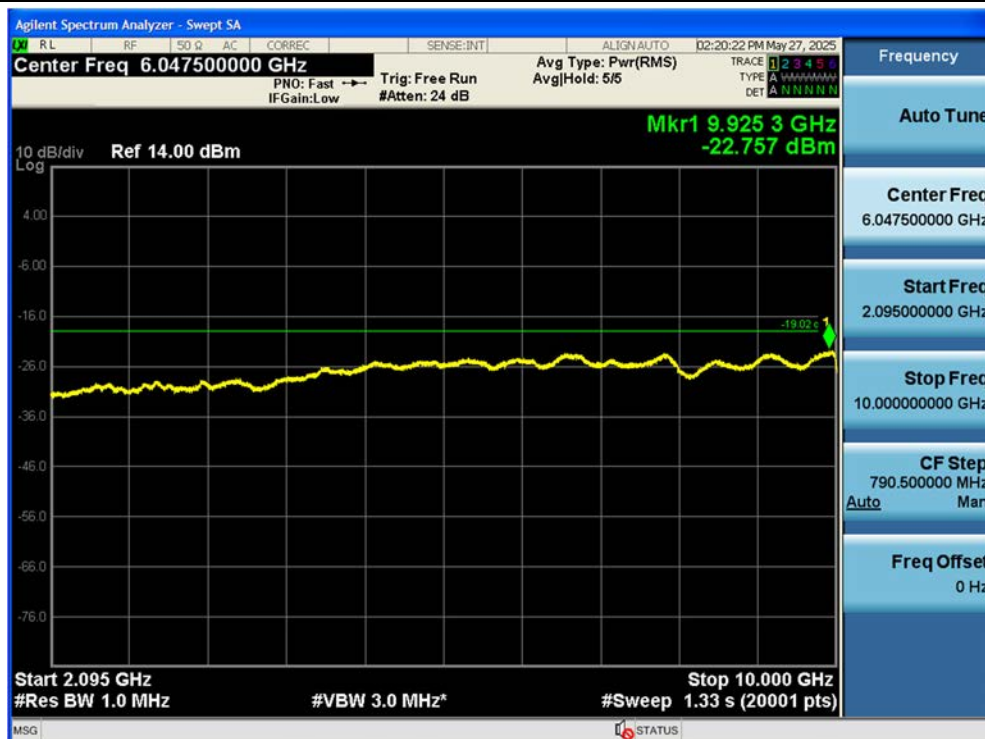
Antenna 2 / (4 Port) B25 LTE 10 MHz 1 Carrier / 1 996 MHz ~ 1 997 MHz / 64QAM / High



Antenna 2 / (4 Port) B25 LTE 10 MHz 1 Carrier / High Edge + 2 MHz ~ High Edge + 100 MHz / 64QAM / High



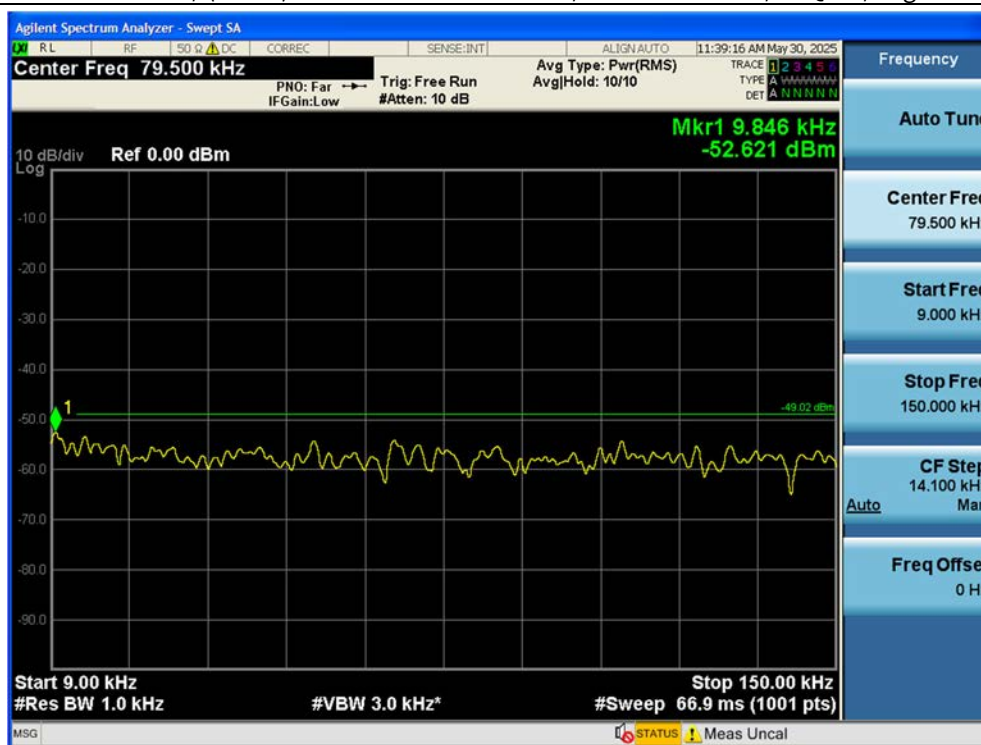
Antenna 2 / (4 Port) B25 LTE 10 MHz 1 Carrier / High Edge + 100 MHz ~ 10 GHz / 64QAM / High



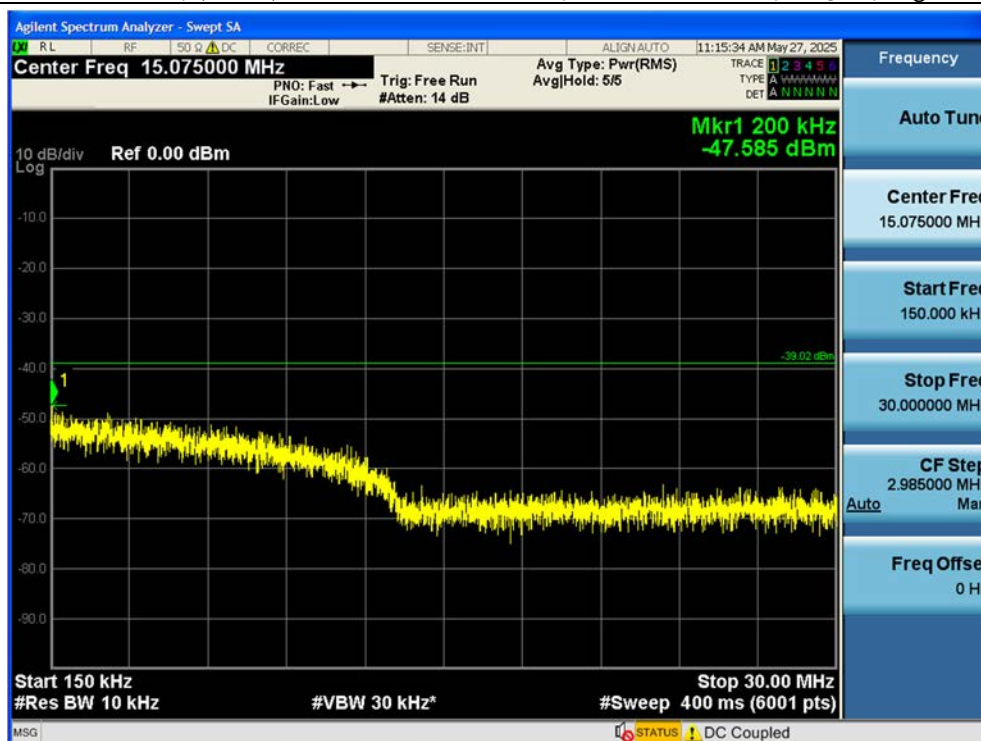
Antenna 0 / (4 Port) B25 LTE 10 MHz 1 Carrier / 10 GHz ~ 22 GHz / 64QAM / Low



Antenna 3 / (4 Port) B25 LTE 15 MHz 1 Carrier / 9 kHz ~ 150 kHz / 64QAM / High



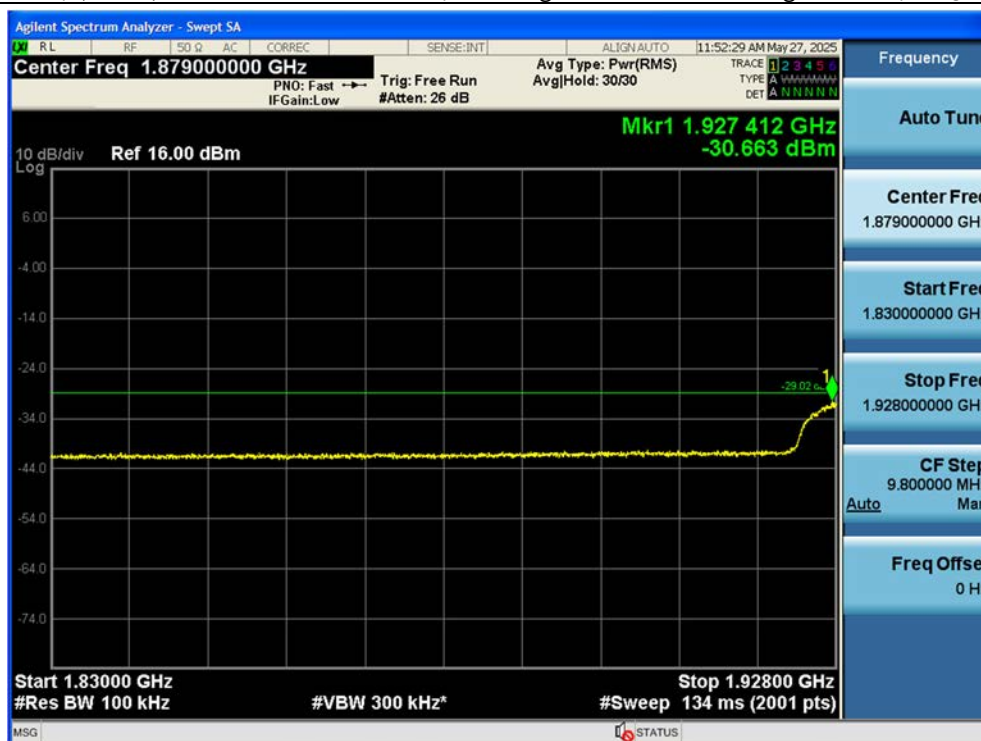
Antenna 0 / (4 Port) B25 LTE 15 MHz 1 Carrier / 150 kHz ~ 30 MHz / 64QAM / High



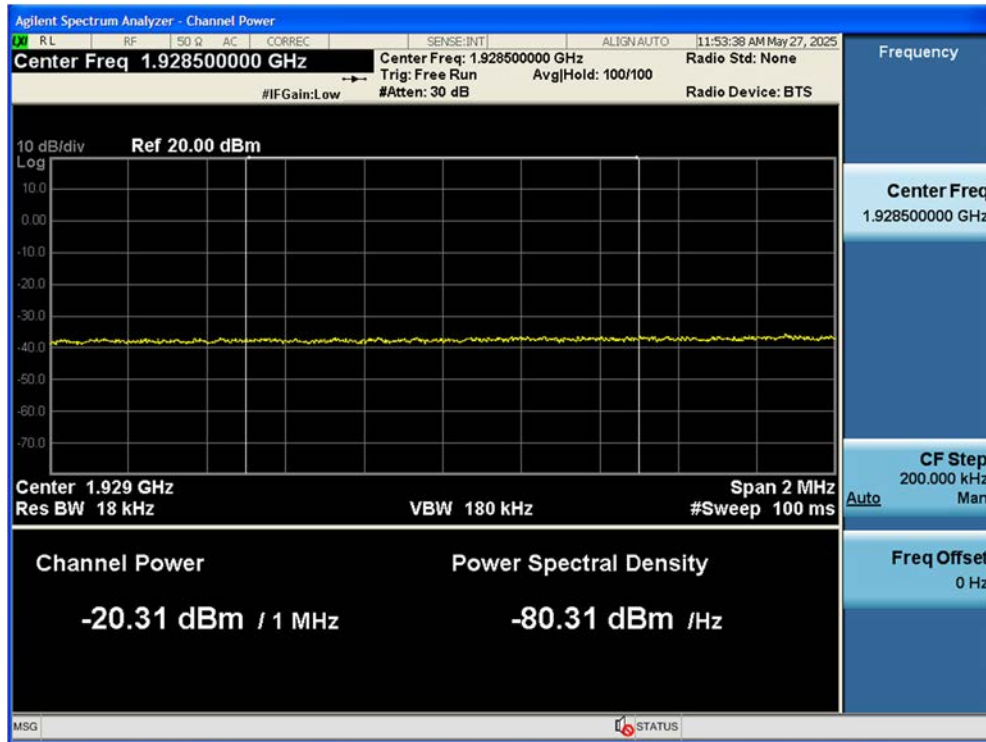
Antenna 2 / (4 Port) B25 LTE 15 MHz 1 Carrier / 30 MHz ~ Low Edge - 100 MHz / 64QAM / High



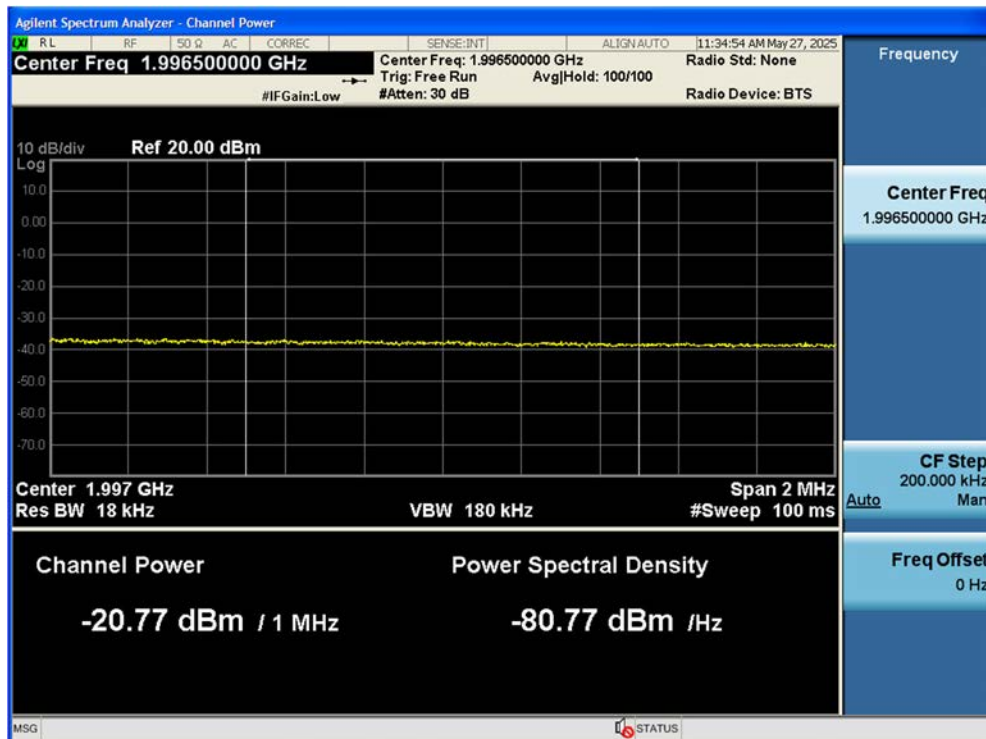
Antenna 1 / (4 Port) B25 LTE 15 MHz 1 Carrier / Low Edge - 100 MHz ~ Low Edge - 2 MHz / 64QAM / Low



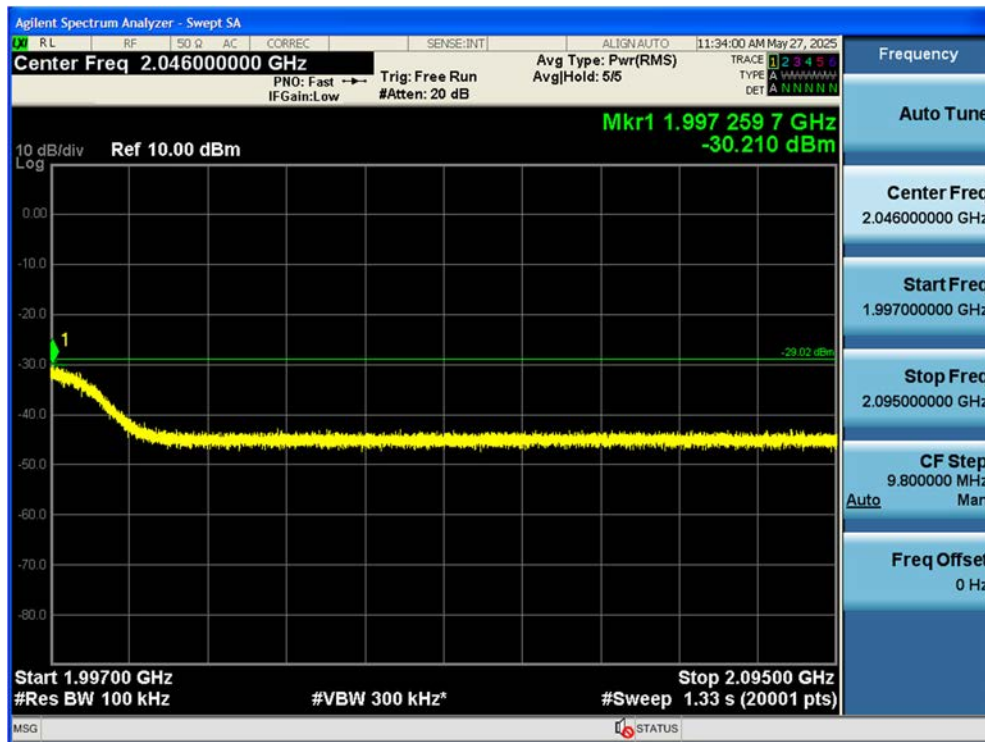
Antenna 1 / (4 Port) B25 LTE 15 MHz 1 Carrier / 1 928 MHz ~ 1 929 MHz / 64QAM / Low



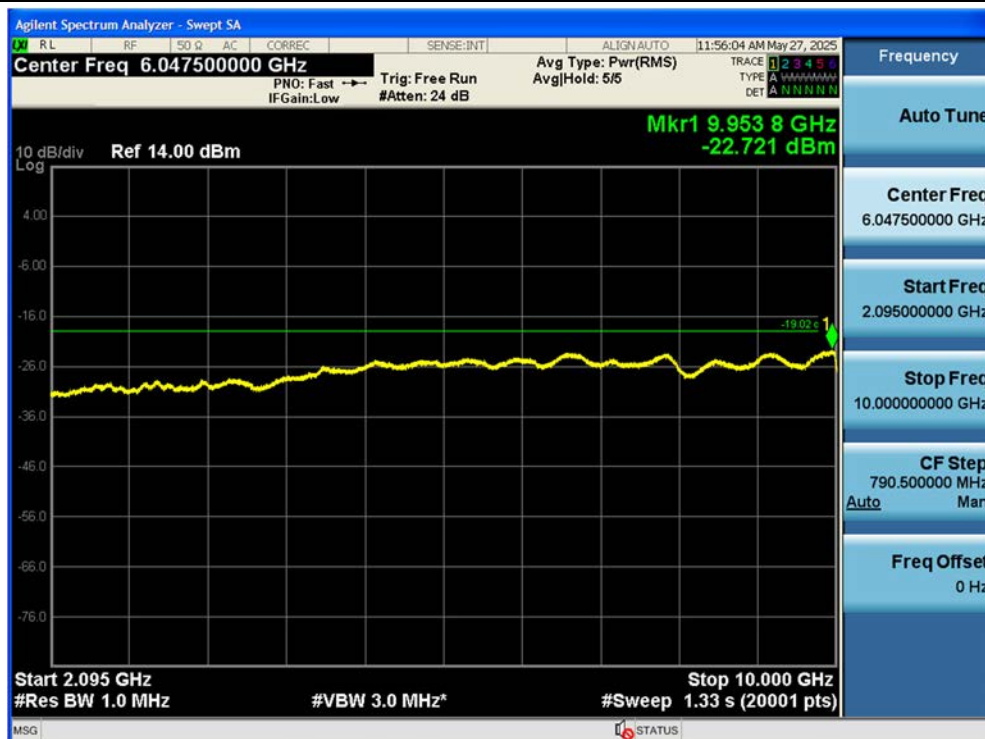
Antenna 2 / (4 Port) B25 LTE 15 MHz 1 Carrier / 1 996 MHz ~ 1 997 MHz / 64QAM / High



Antenna 2 / (4 Port) B25 LTE 15 MHz 1 Carrier / High Edge + 2 MHz ~ High Edge + 100 MHz / 64QAM / High



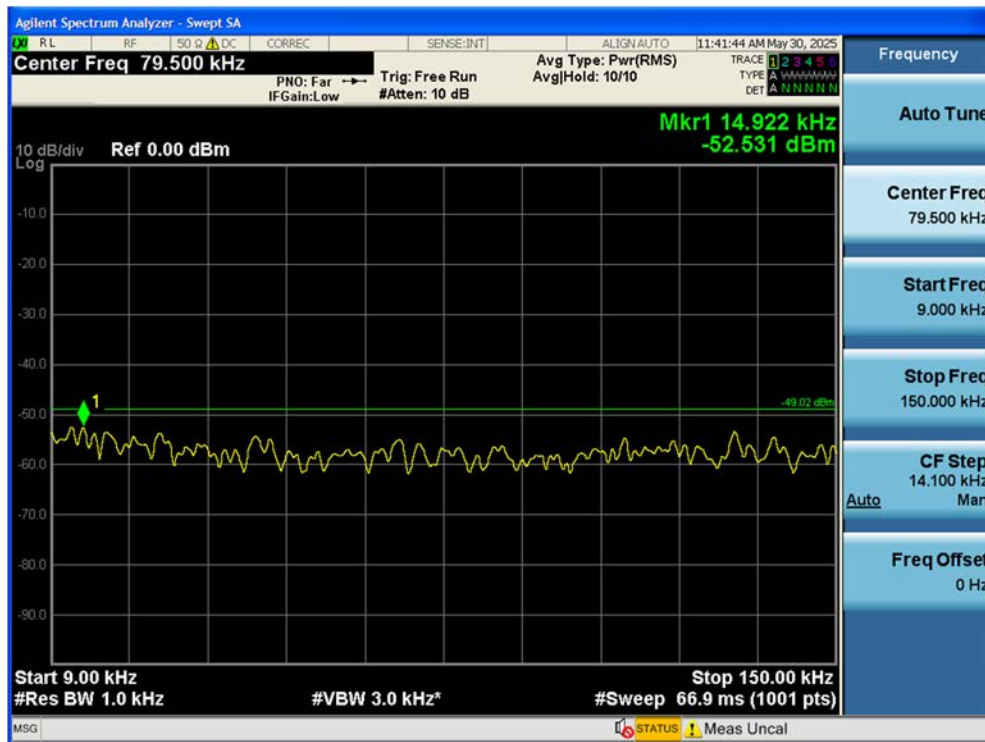
Antenna 2 / (4 Port) B25 LTE 15 MHz 1 Carrier / High Edge + 100 MHz ~ 10 GHz / 64QAM / Low



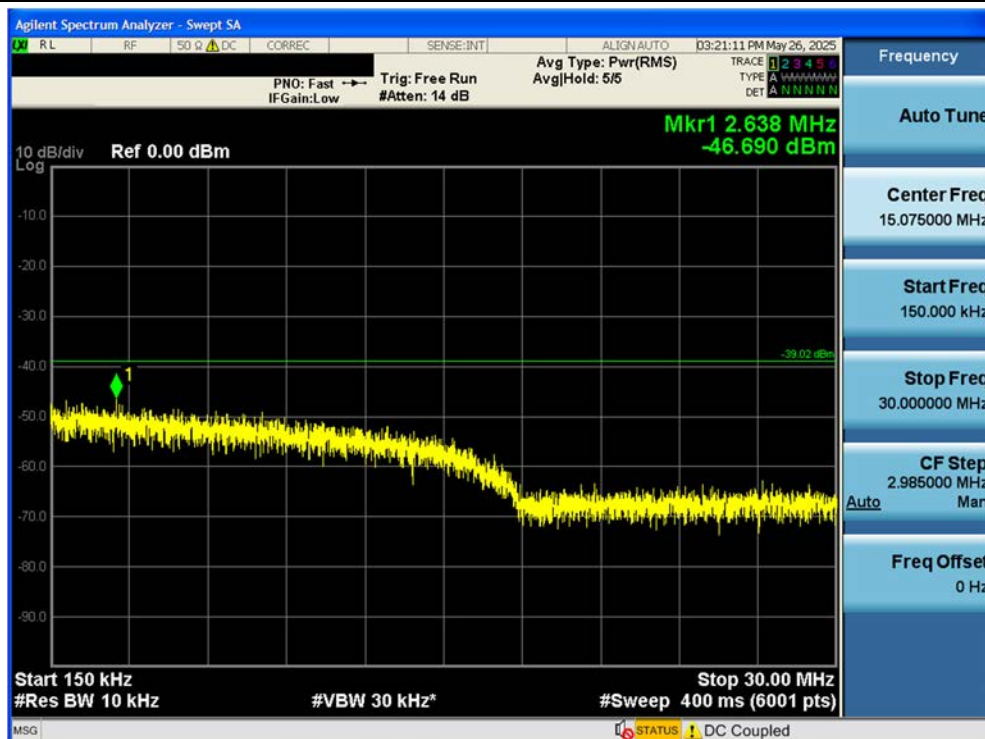
Antenna 0 / (4 Port) B25 LTE 15 MHz 1 Carrier / 10 GHz ~ 22 GHz / 64QAM / Middle



Antenna 3 / (4 Port) B25 LTE 20 MHz 1 Carrier / 9 kHz ~ 150 kHz / 64QAM / High



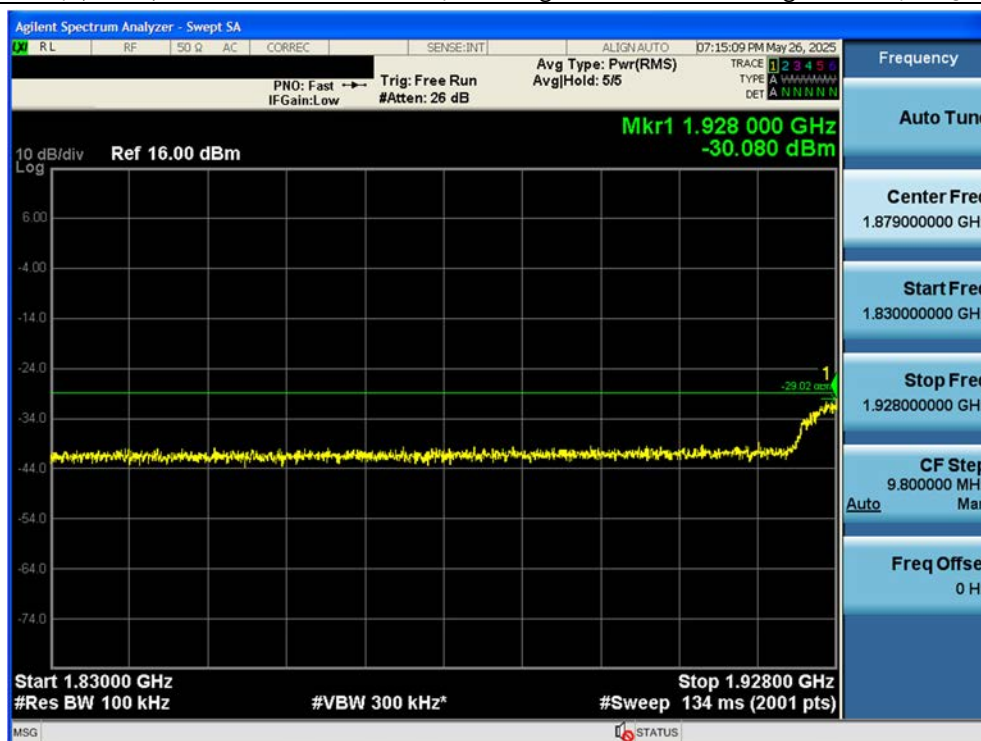
Antenna 0 / (4 Port) B25 LTE 20 MHz 1 Carrier / 150 kHz ~ 30 MHz / 64QAM / High



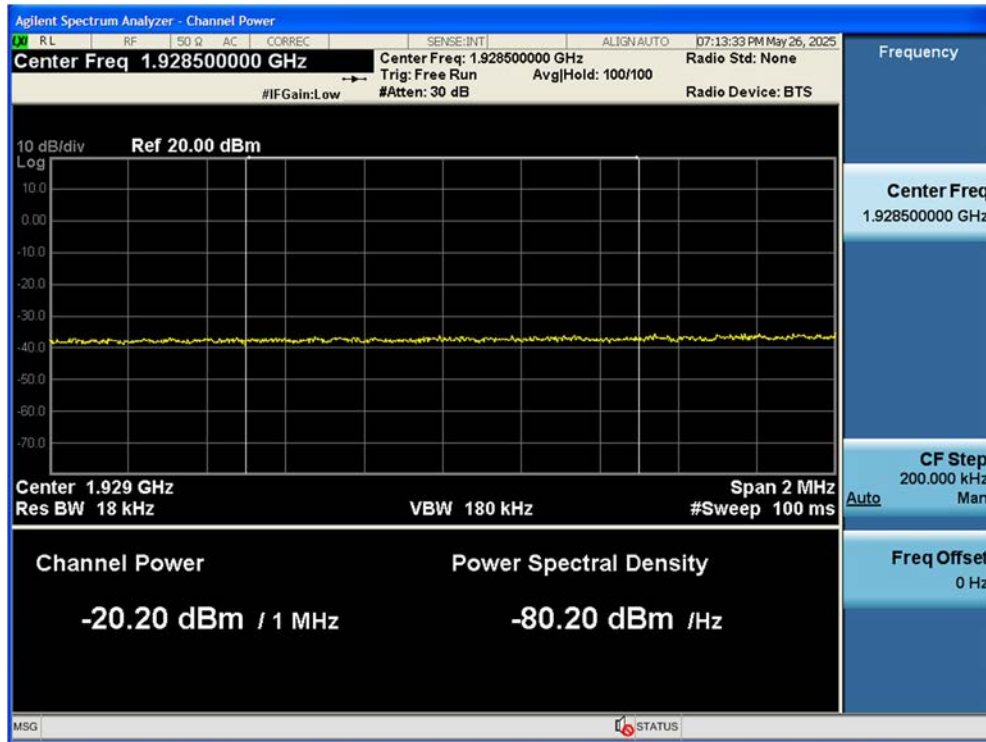
Antenna 2 / (4 Port) B25 LTE 20 MHz 1 Carrier / 30 MHz ~ Low Edge - 100 MHz / 64QAM / High



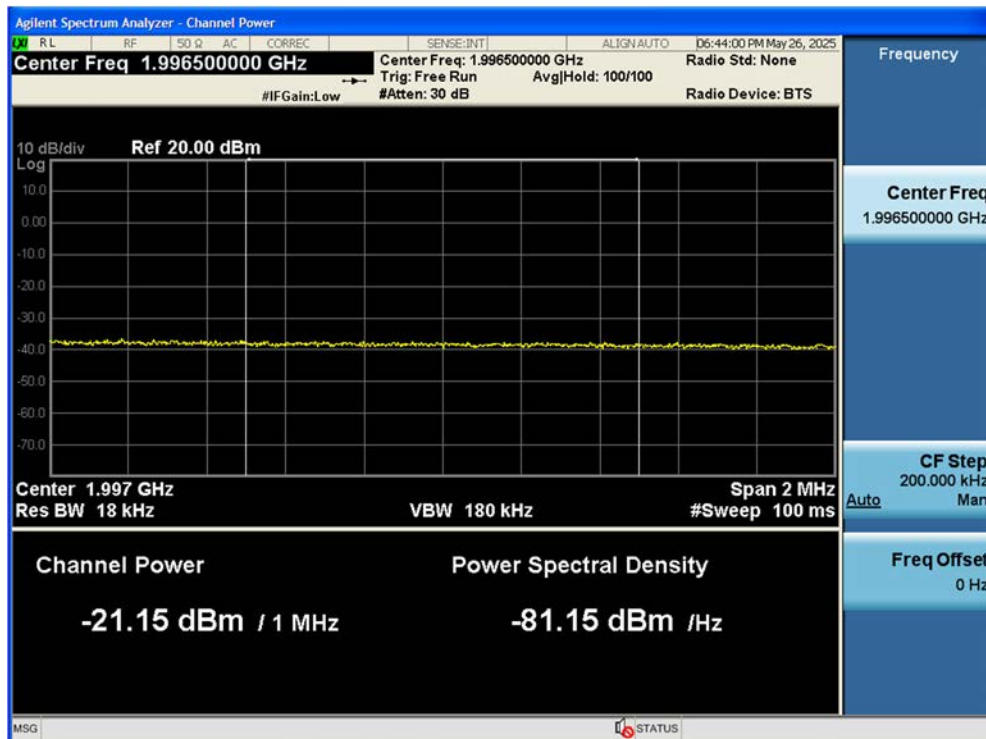
Antenna 1 / (4 Port) B25 LTE 20 MHz 1 Carrier / Low Edge - 100 MHz ~ Low Edge - 2 MHz / 64QAM / Low



Antenna 0 / (4 Port) B25 LTE 20 MHz 1 Carrier / 1 928 MHz ~ 1 929 MHz / 64QAM / Low



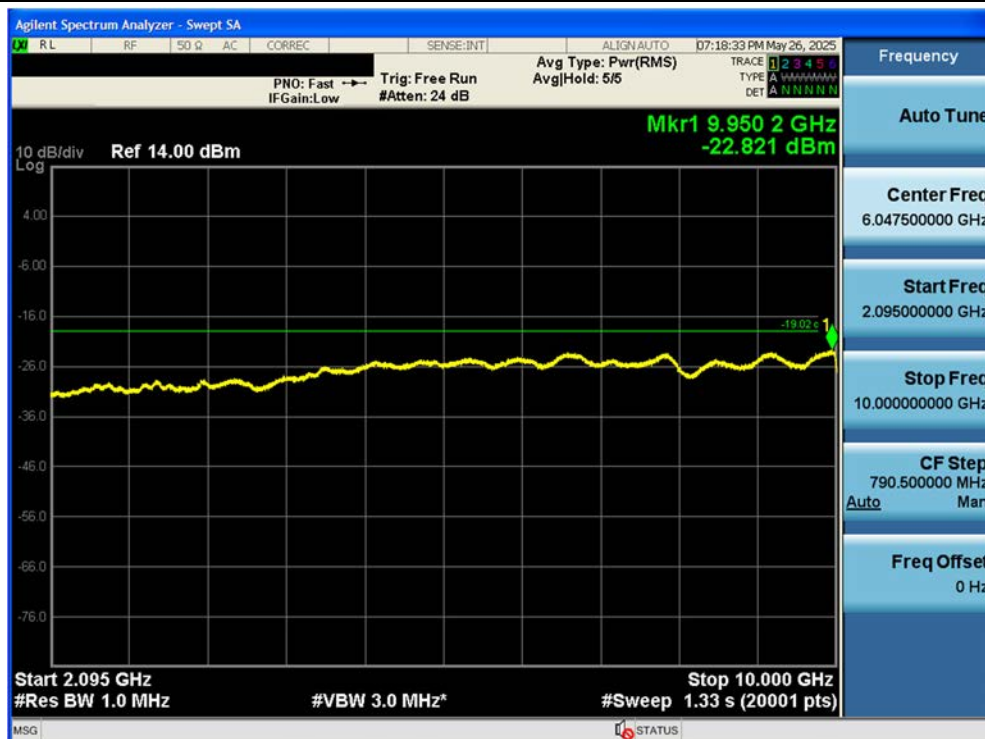
Antenna 1 / (4 Port) B25 LTE 20 MHz 1 Carrier / 1 996 MHz ~ 1 997 MHz / 64QAM / High



Antenna 0 / (4 Port) B25 LTE 20 MHz 1 Carrier / High Edge + 2 MHz ~ High Edge + 100 MHz / 64QAM / High



Antenna 2 / (4 Port) B25 LTE 20 MHz 1 Carrier / High Edge + 100 MHz ~ 10 GHz / 64QAM / Low



Antenna 0 / (4 Port) B25 LTE 20 MHz 1 Carrier / 10 GHz ~ 22 GHz / 64QAM / Low

