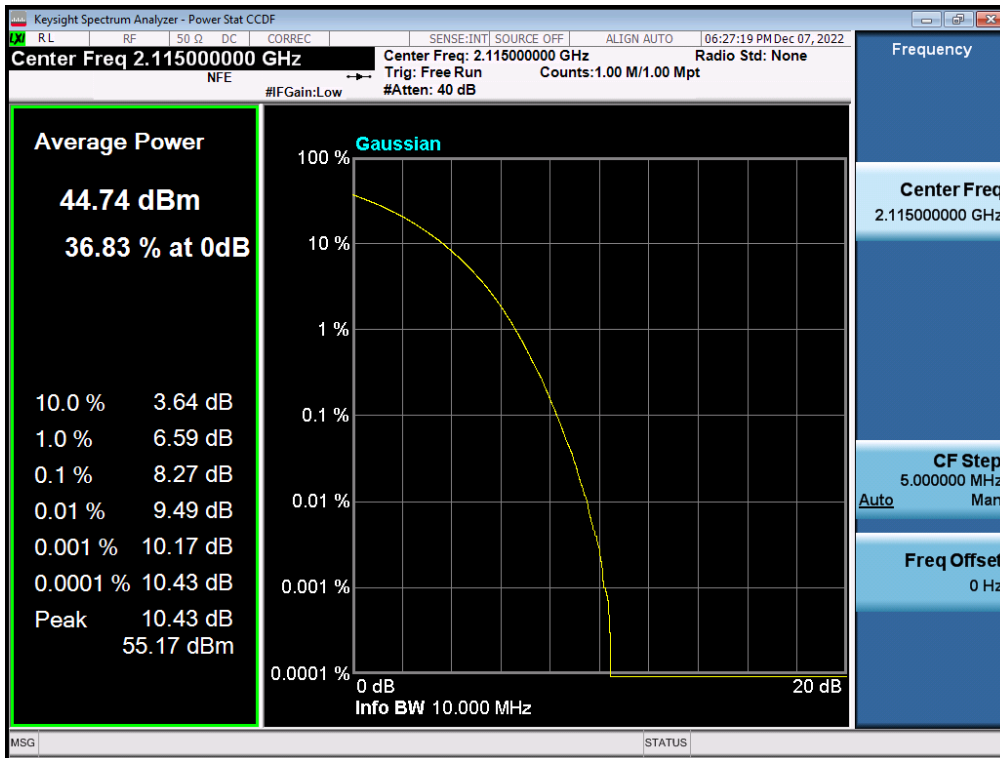
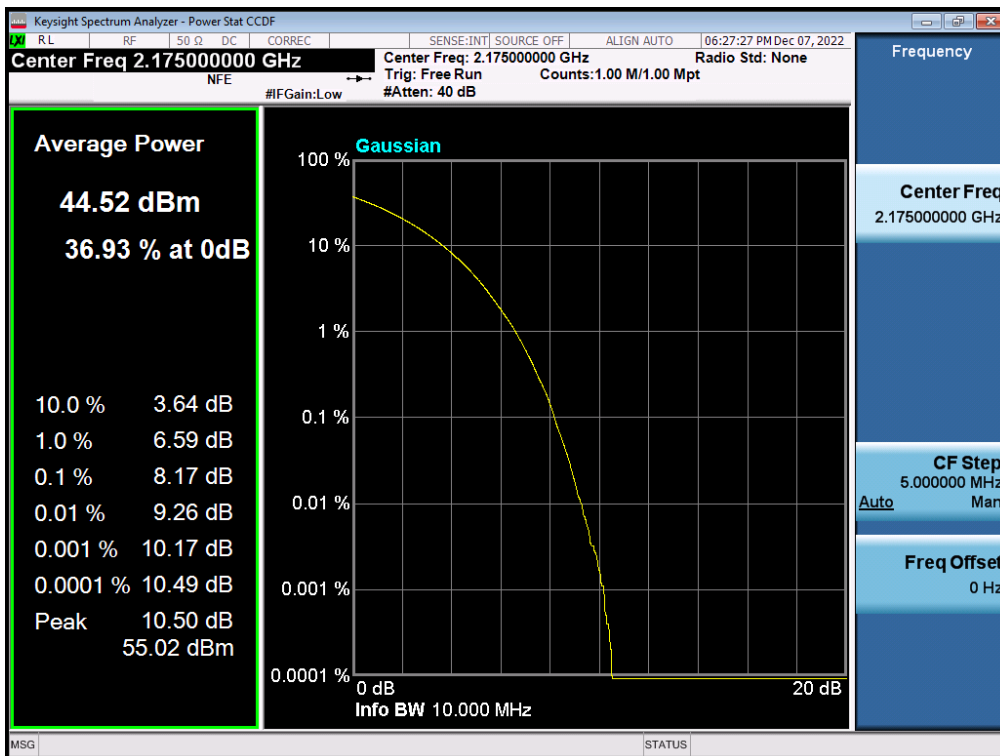


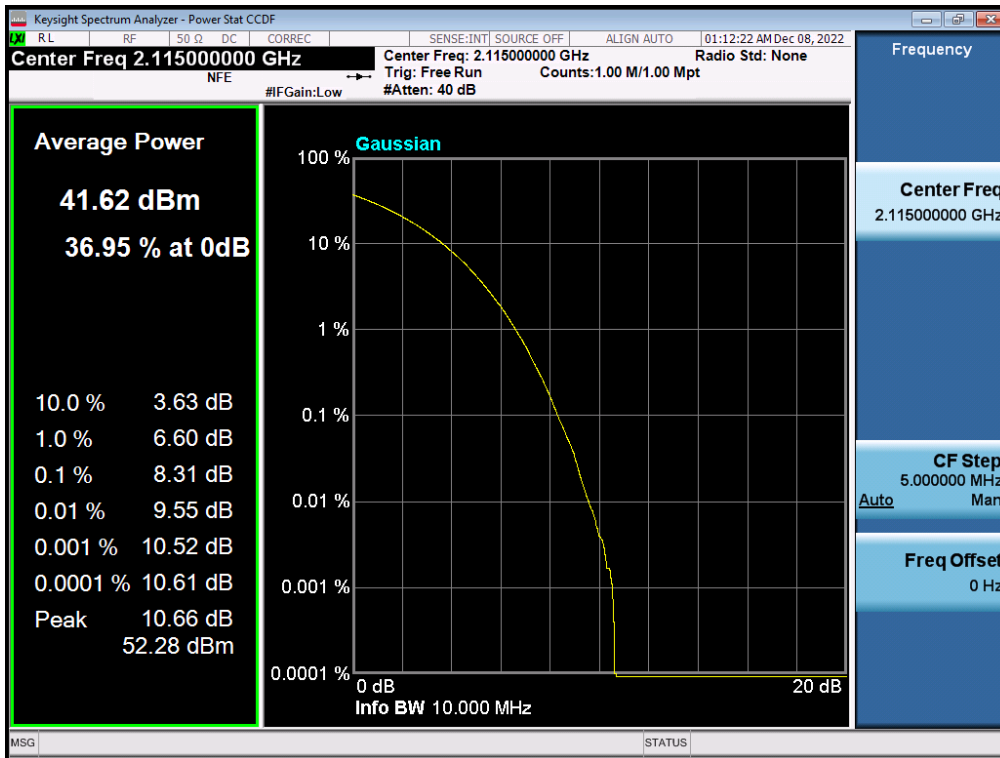
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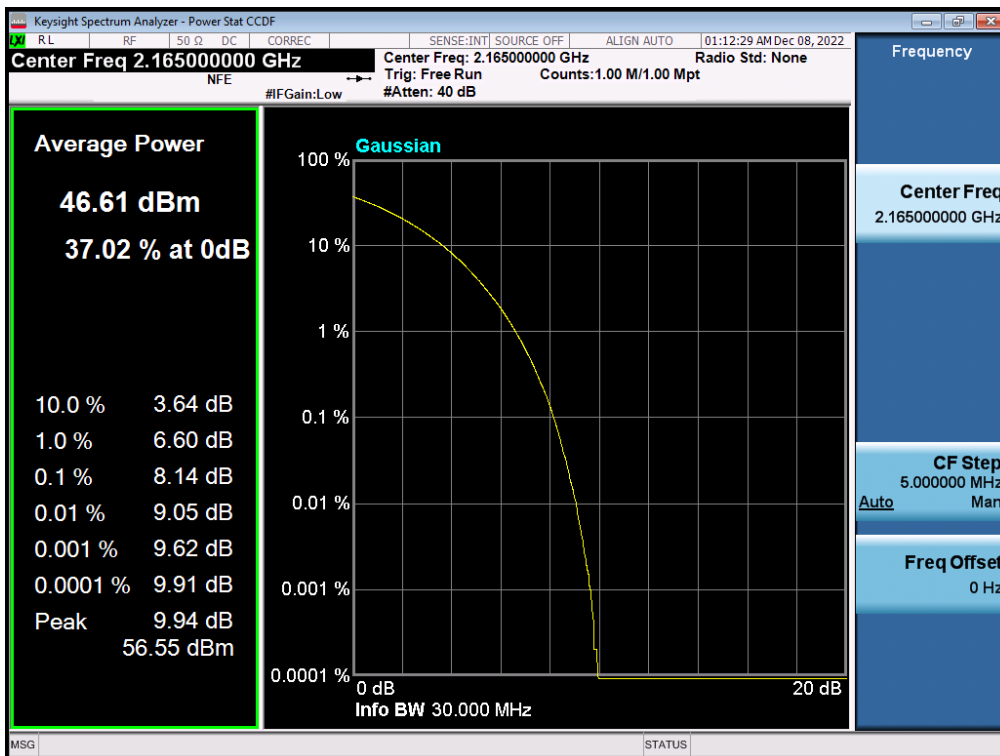
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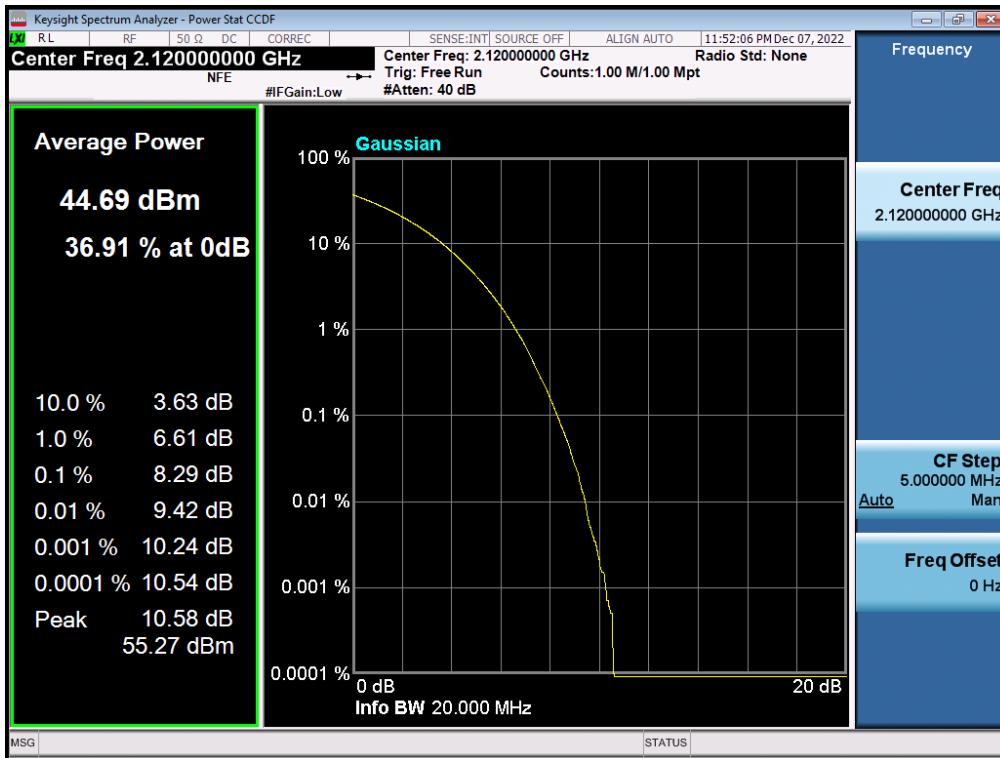
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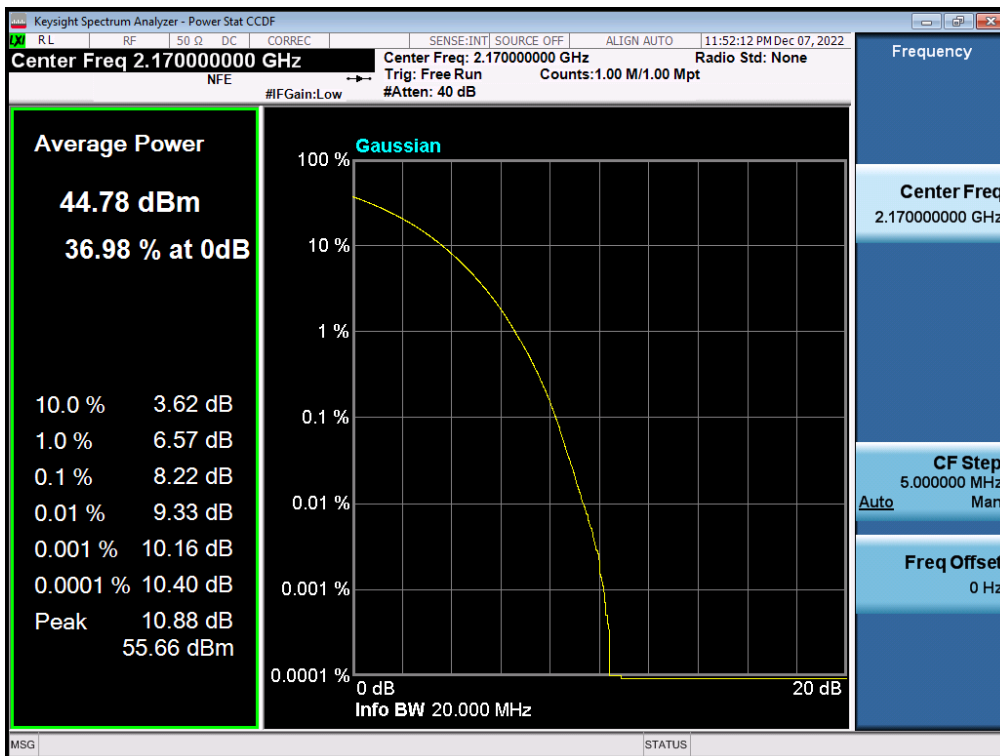
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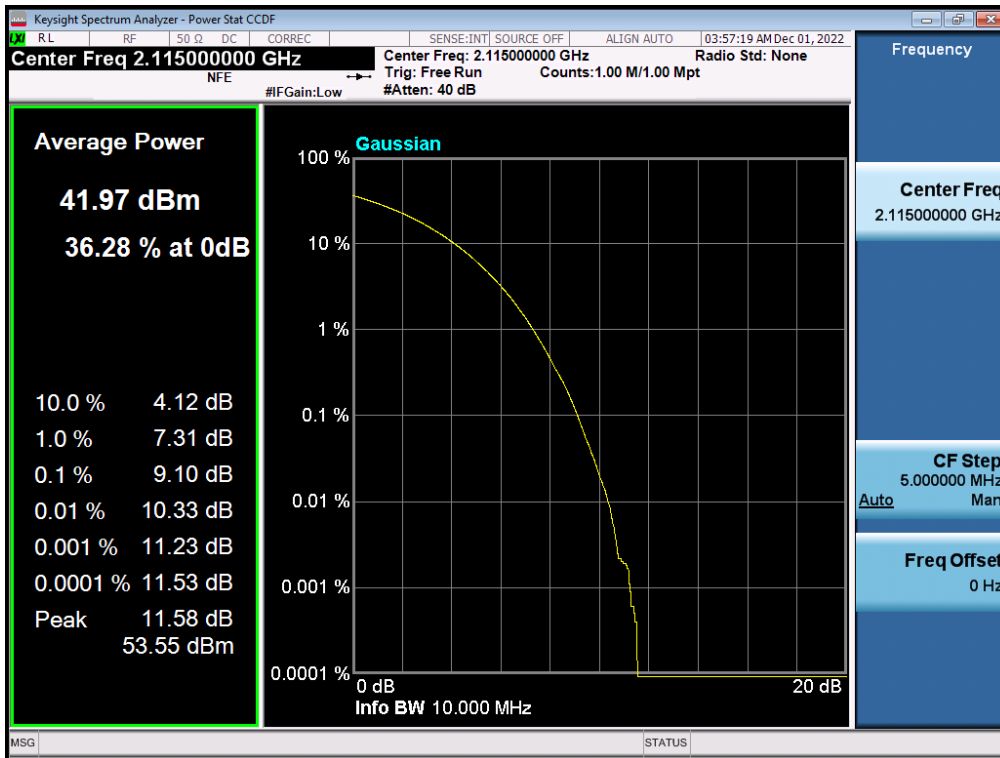
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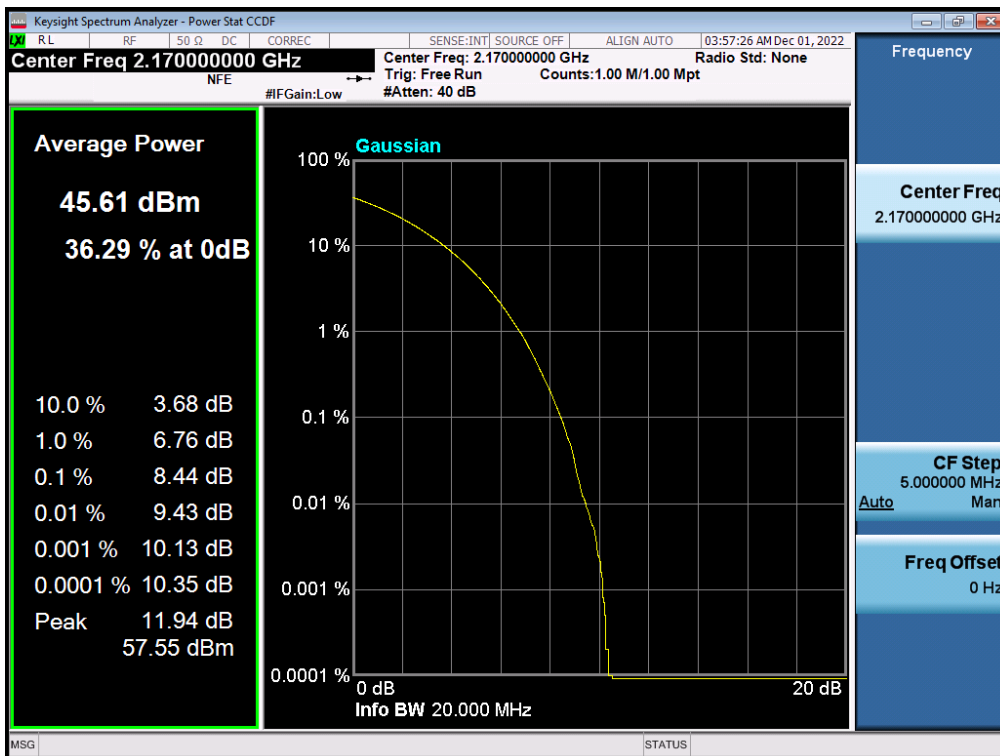
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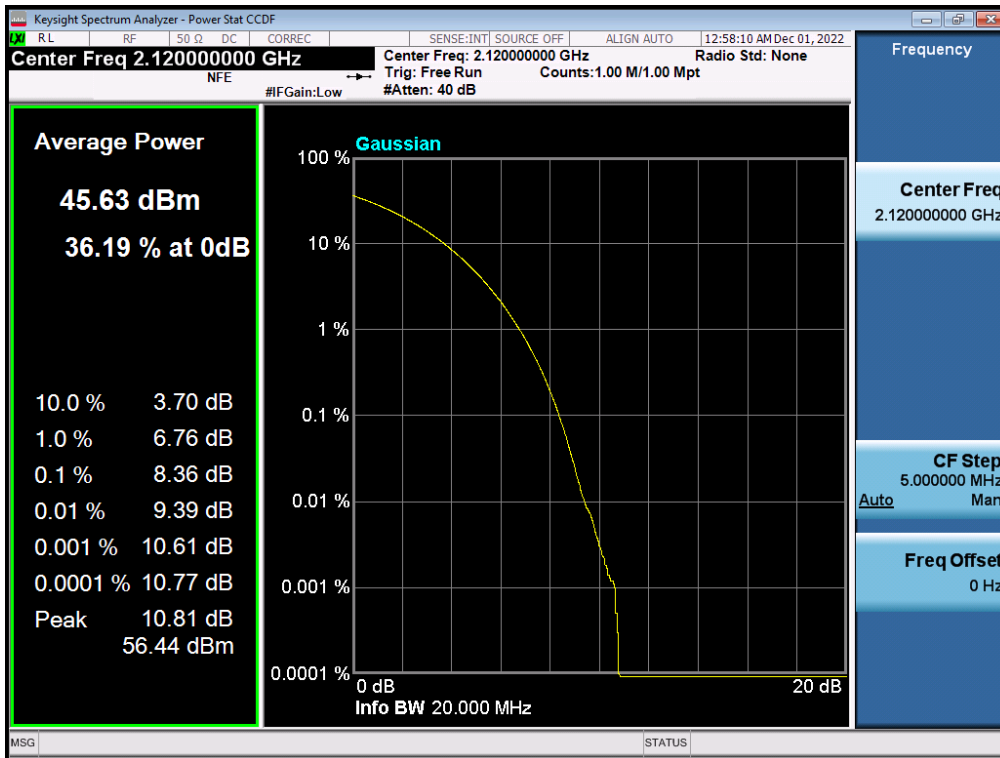
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 [1C+2C] / DSS B66 10 MHz 1 Carrier / 256QAM / Low / Non-Contiguous



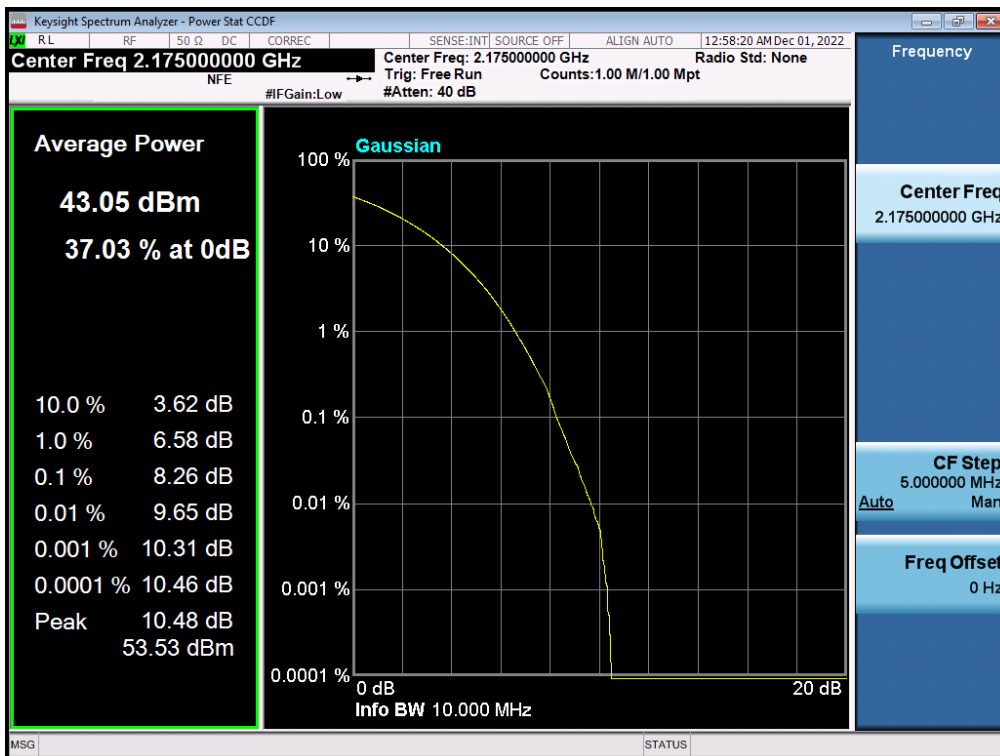
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 [1C+2C] / DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier / 256QAM / High / Non-Contiguous



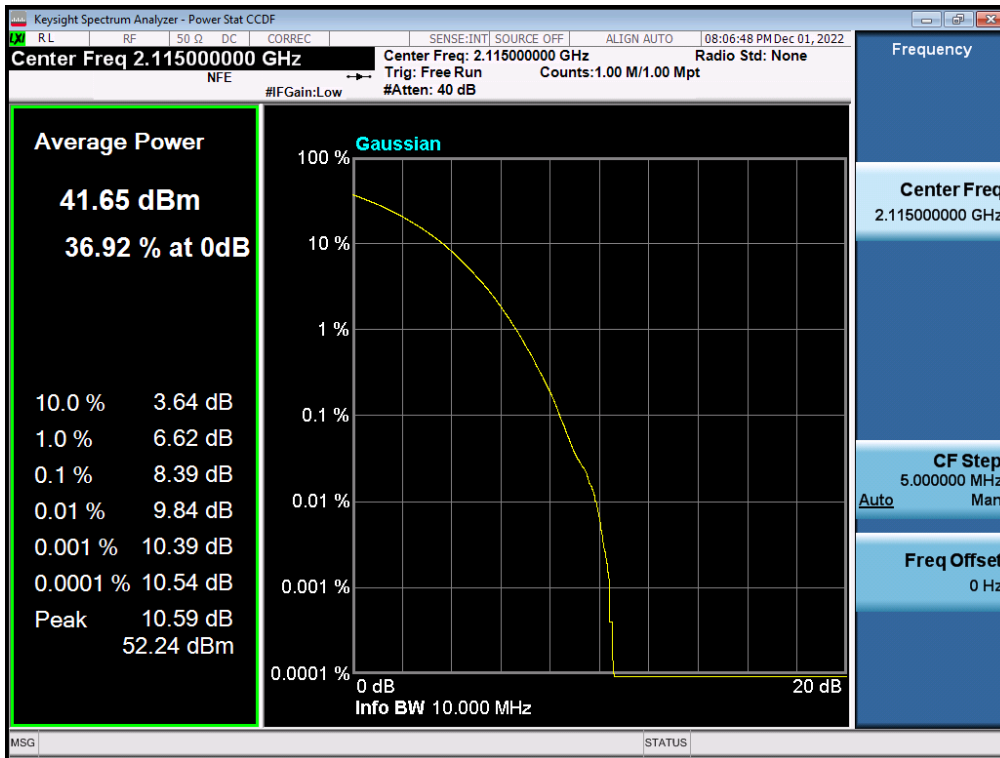
Antenna 0 / (4 Port) DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [3 Carrier]  
[2C+1C] / DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier / 16QAM / Low / Non-Contiguous



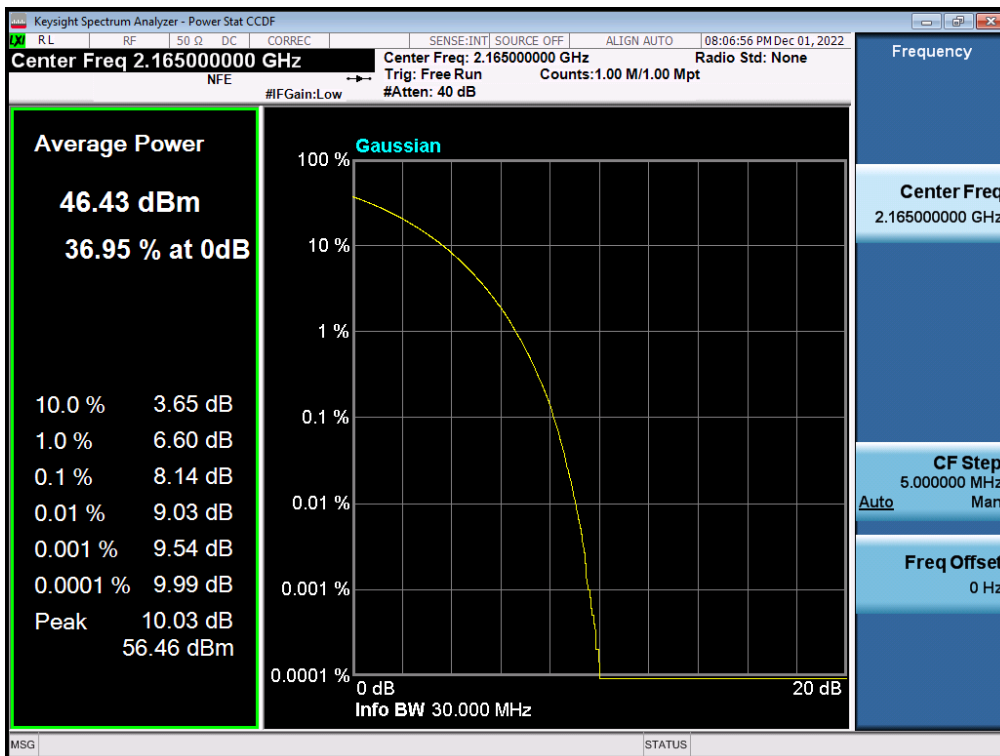
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[2C+1C] / DSS B66 10 MHz 1 Carrier / 16QAM / High / Non-Contiguous



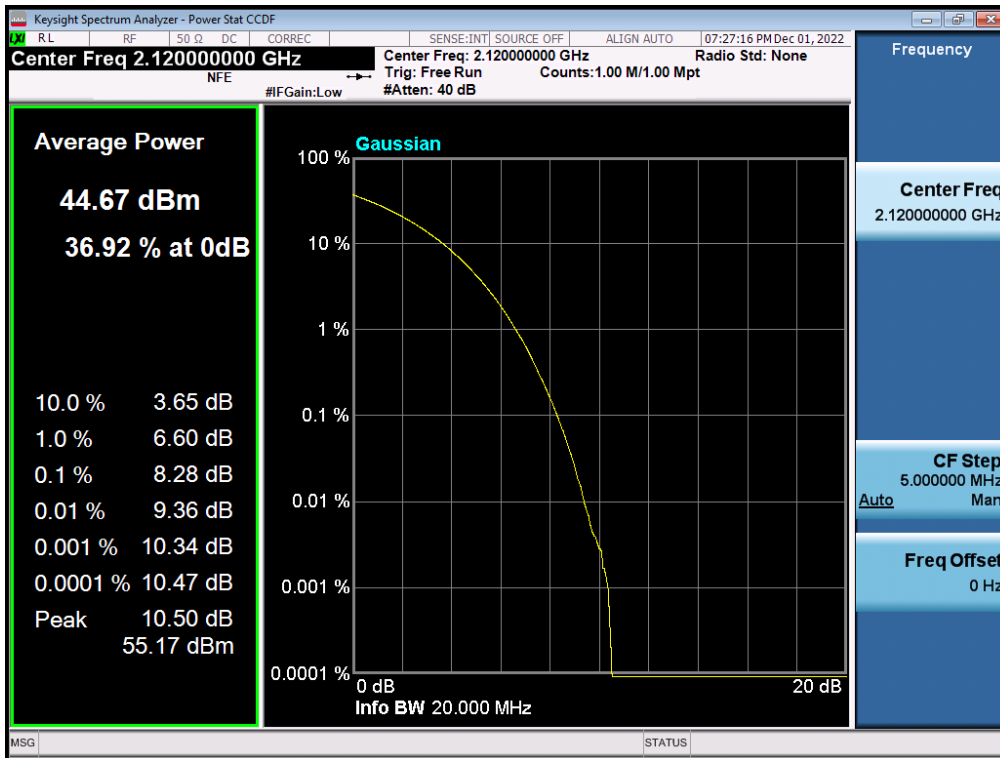
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 [1C+2C] / DSS B66 10 MHz 1 Carrier / 16QAM / Low / Non-Contiguous



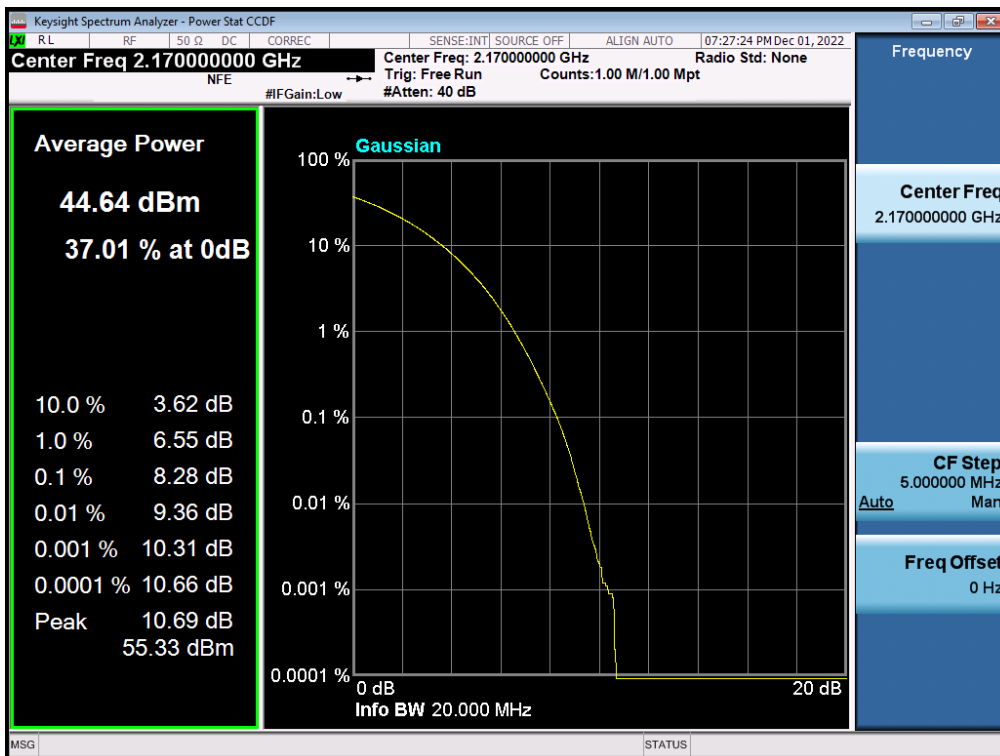
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 [1C+2C] / DSS B66 10 MHz 1 Carrier + DSS B66 20 MHz 1 Carrier / 16QAM / High / Non-Contiguous



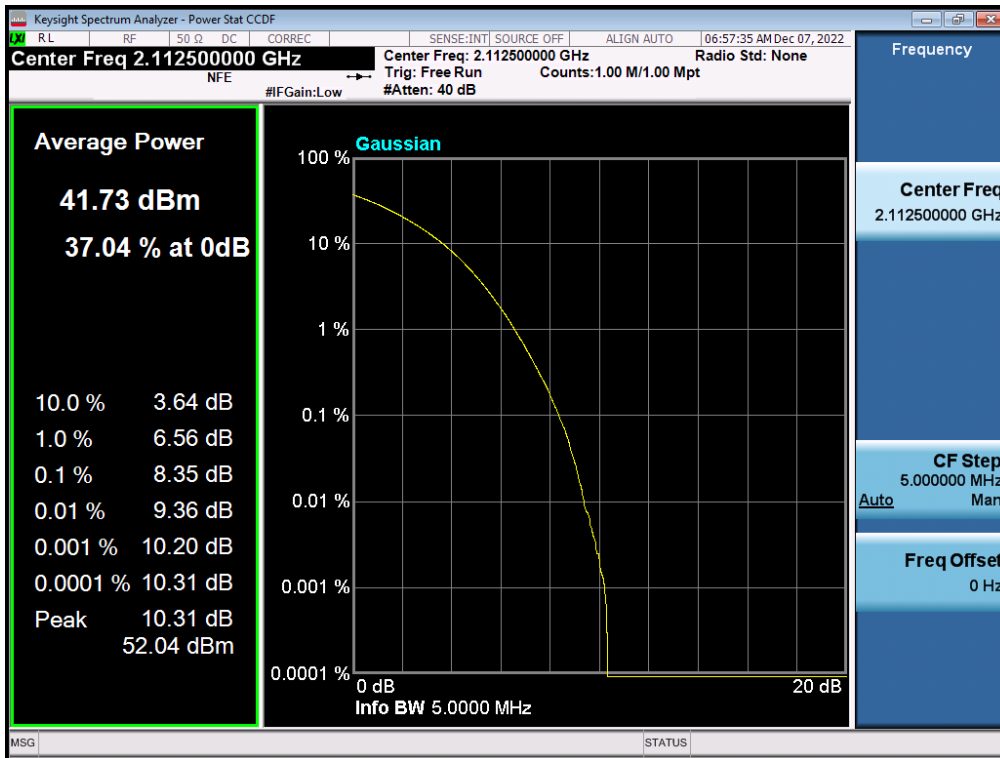
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[2C+1C] / DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier / 256QAM / Low / Non-Contiguous



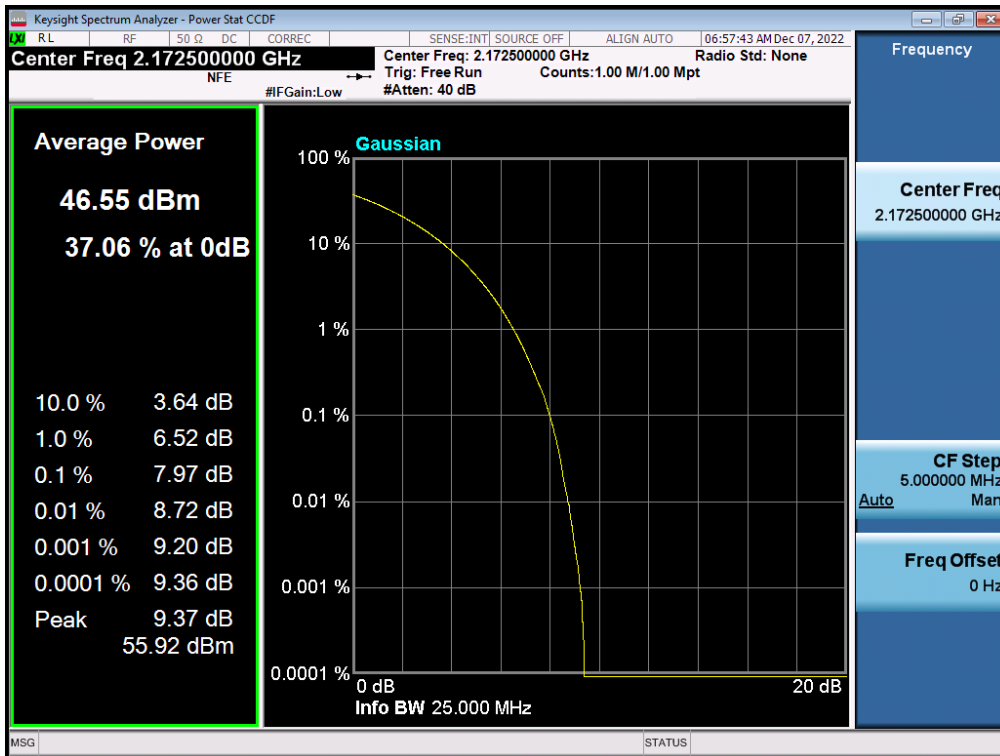
Antenna 3 / (4 Port) DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 20 MHz 1 Carrier [3 Carrier]  
[2C+1C] / DSS B66 20 MHz 1 Carrier / 256QAM / High / Non-Contiguous



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

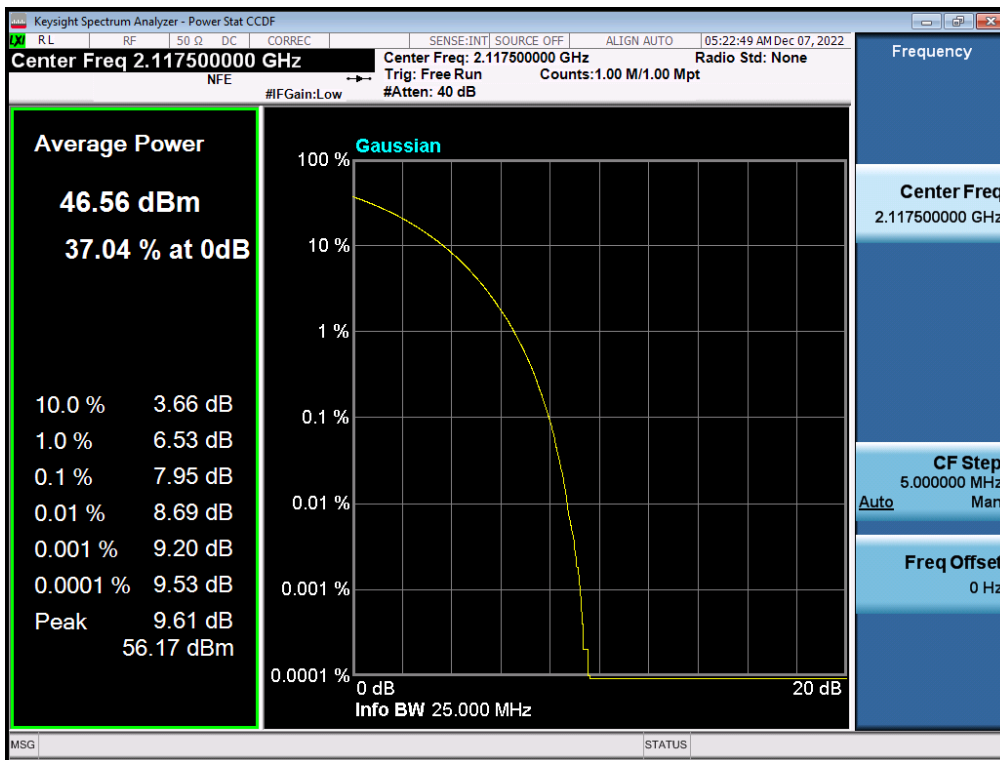


Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [4 Carrier] [1C+3C] / 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier / 256QAM / High / Non-Contiguous

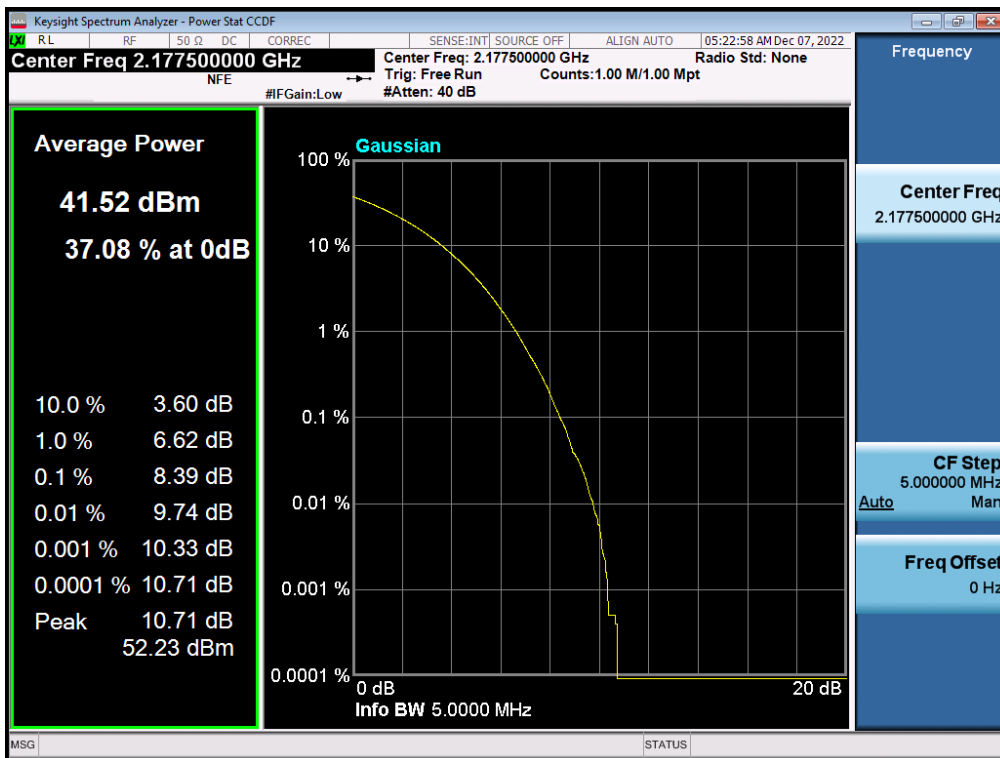




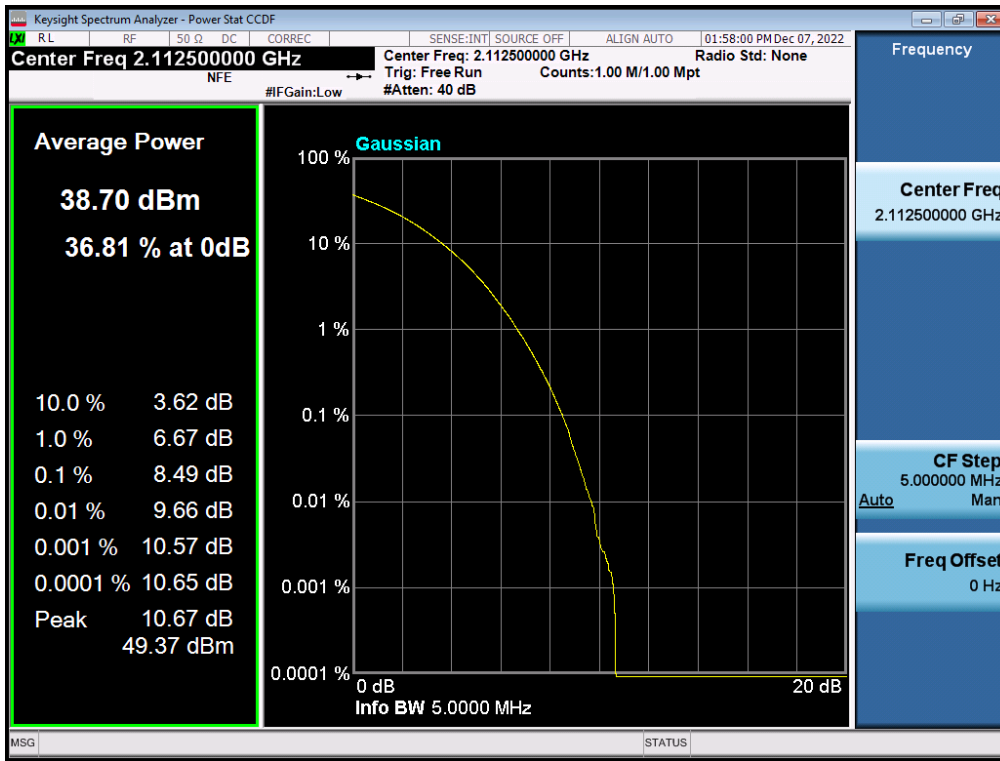
Antenna 2 / (4 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [4 Carrier] [3C+1C] / LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier / 64QAM / Low / Non-Contiguous



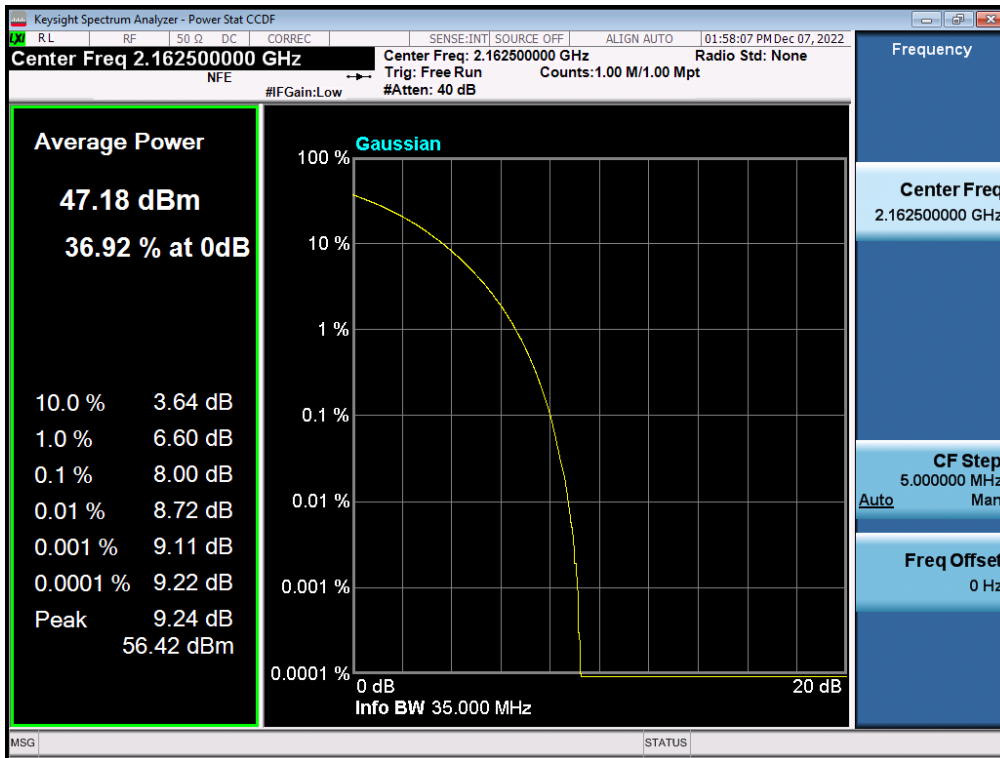
Antenna 2 / (4 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [4 Carrier] [3C+1C] / 5G NR n66 5 MHz 1 Carrier / 64QAM / High / Non-Contiguous



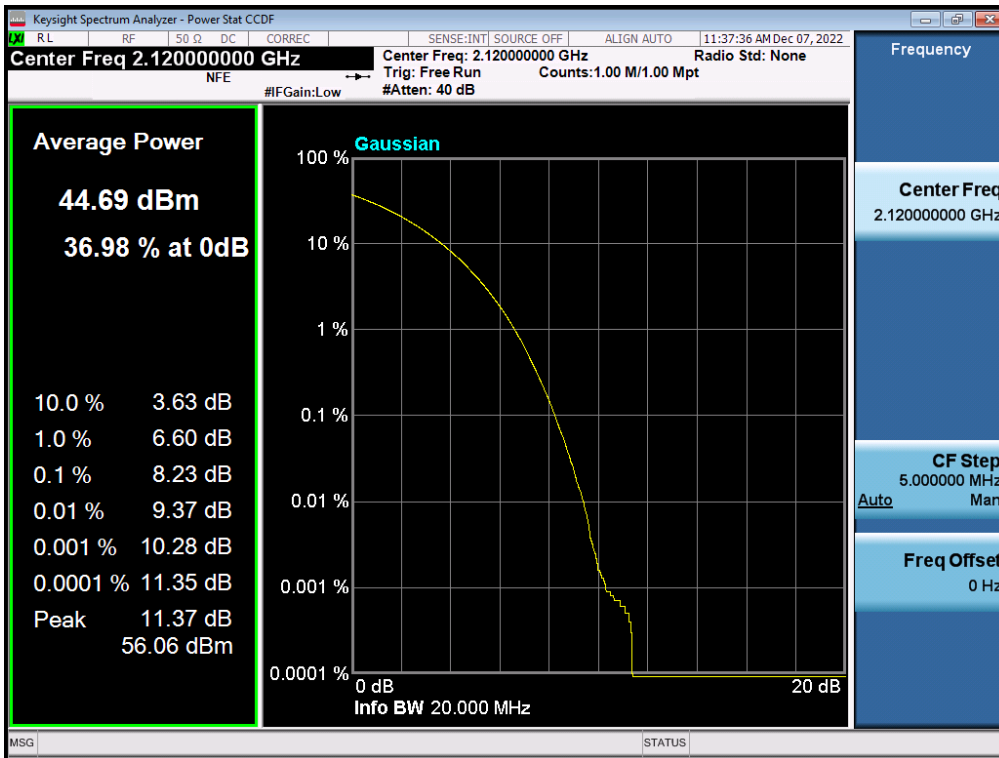
Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [4 Carrier] [1C+3C] / LTE B66 5 MHz 1 Carrier / 256QAM / Low / Non-Contiguous



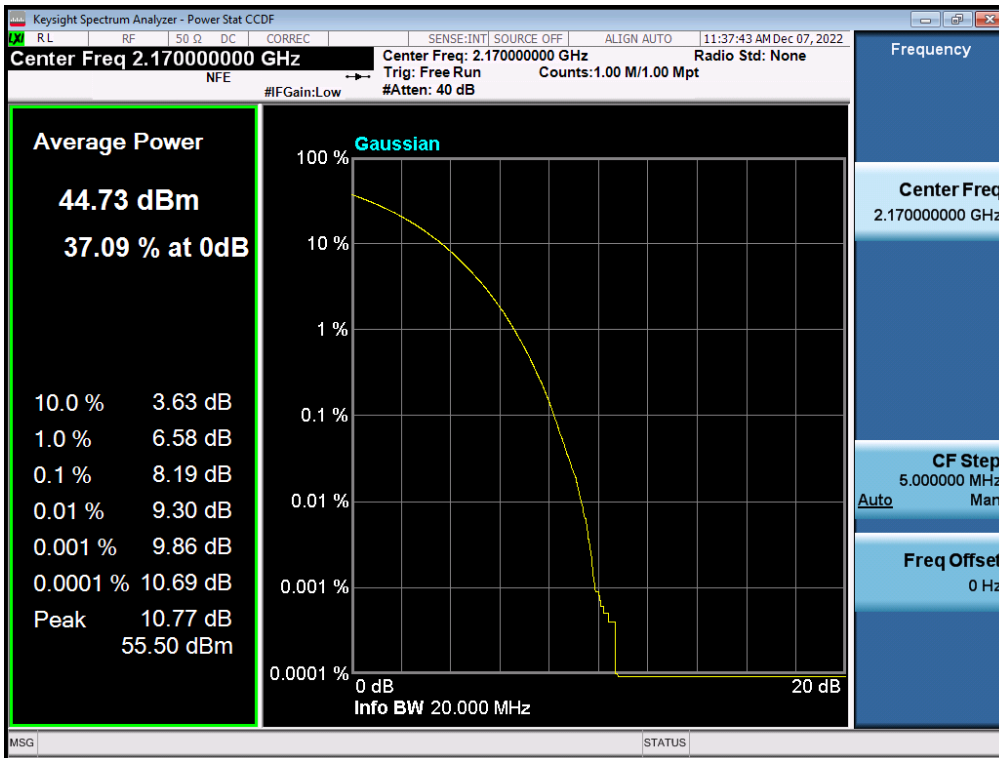
Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [4 Carrier] [1C+3C] / 5G NR n66 5 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier / 256QAM / High / Non-Contiguous



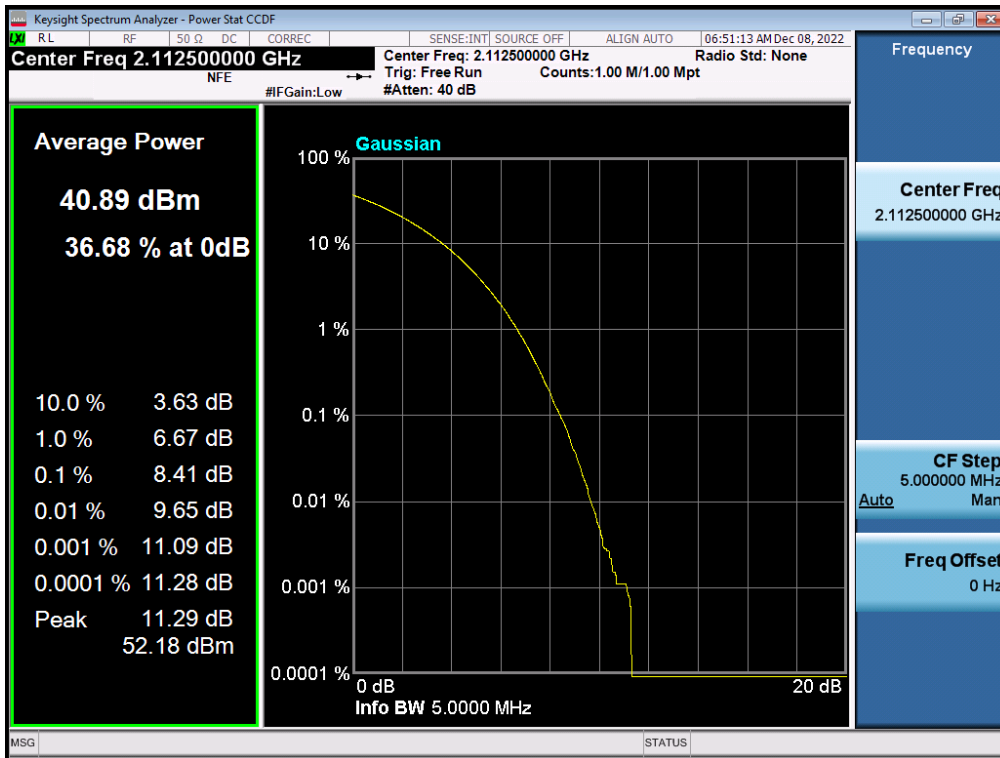
Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [4 Carrier] [3C+1C] / LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier / QPSK / Low / Non-Contiguous



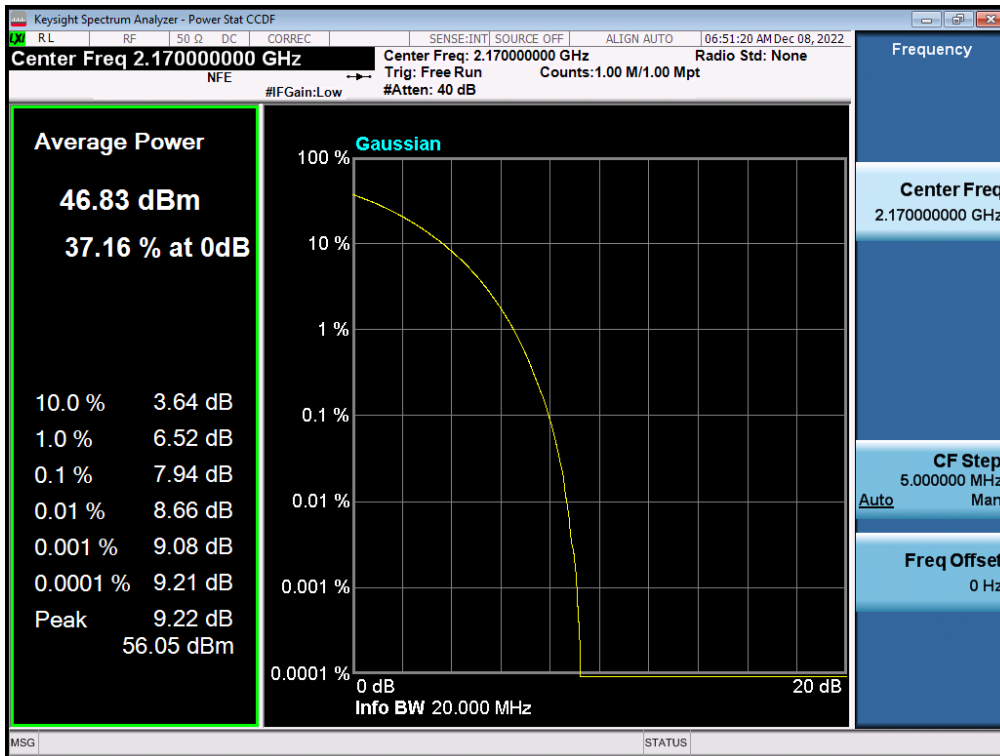
Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [4 Carrier] [3C+1C] / 5G NR n66 20 MHz 1 Carrier / QPSK / High / Non-Contiguous



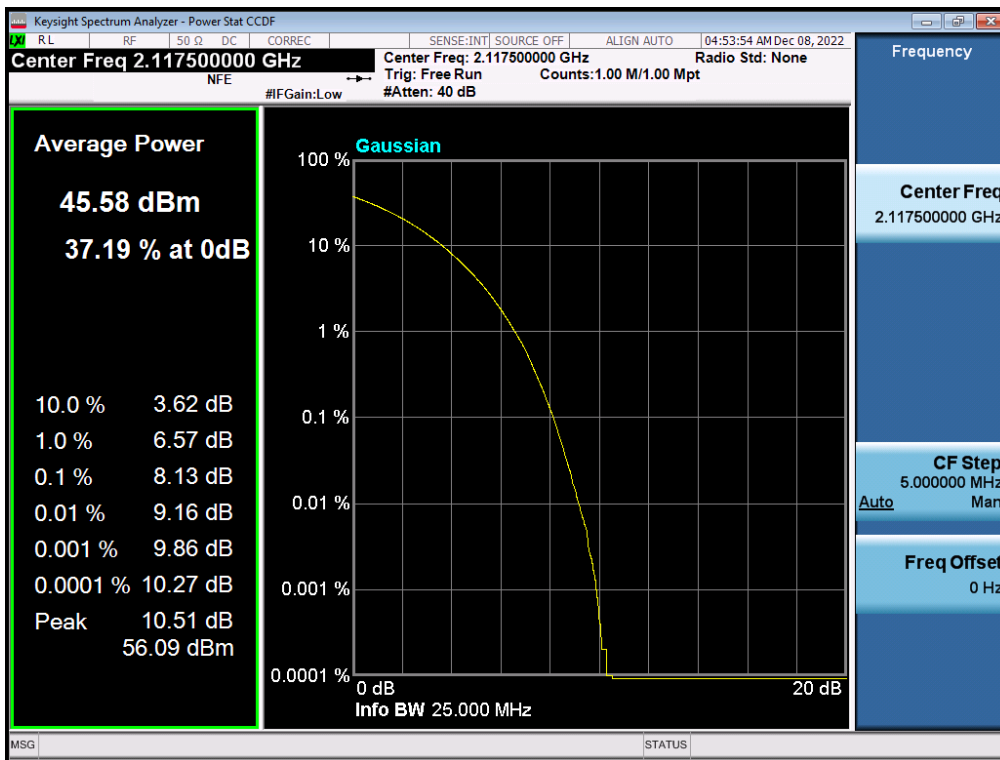
Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [4 Carrier] [1C+3C] / LTE B66 5 MHz 1 Carrier / 256QAM / Low / Non-Contiguous



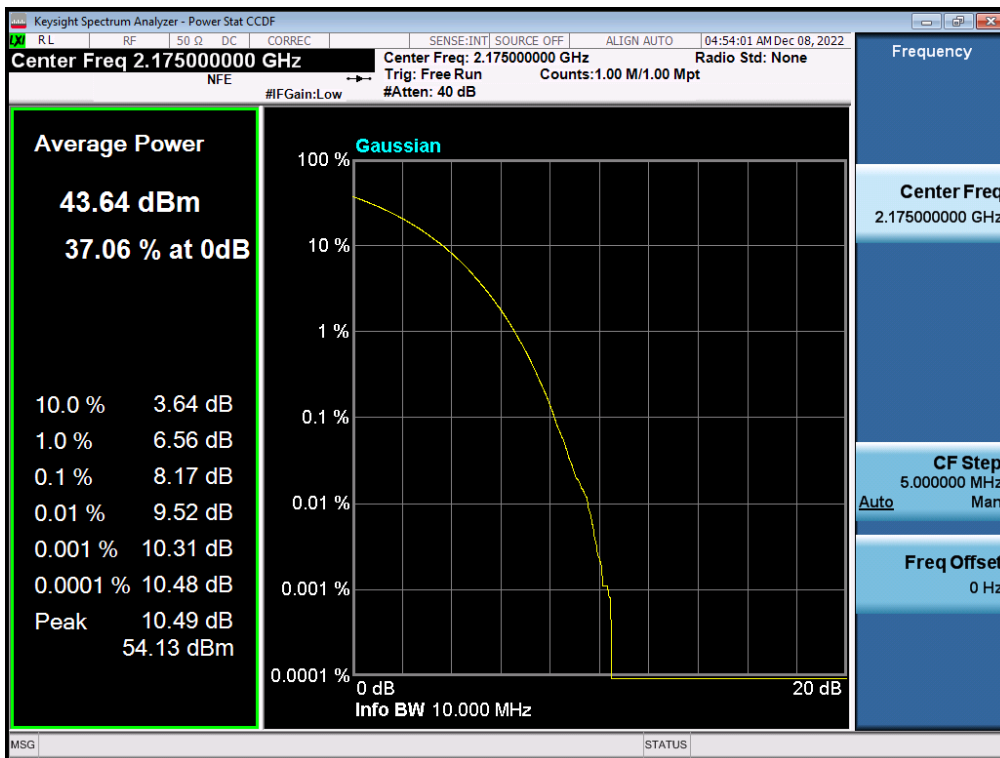
Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [4 Carrier] [1C+3C] / 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier / 256QAM / High / Non-Contiguous



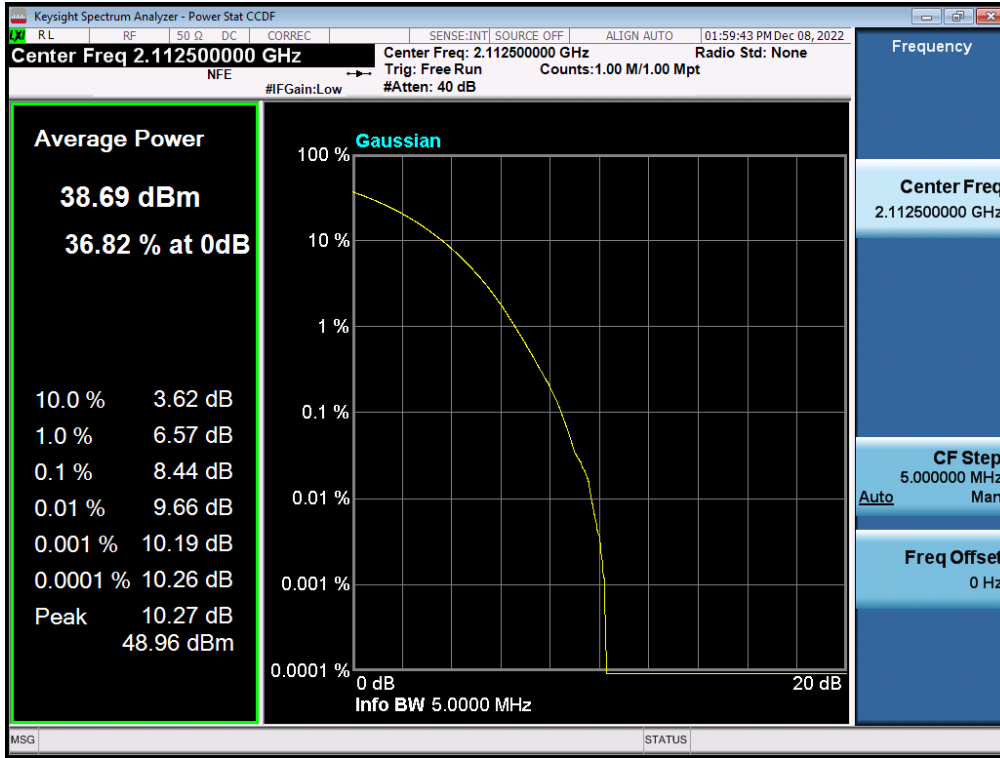
Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [4 Carrier] [3C+1C] / LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier / QPSK / Low / Non-Contiguous



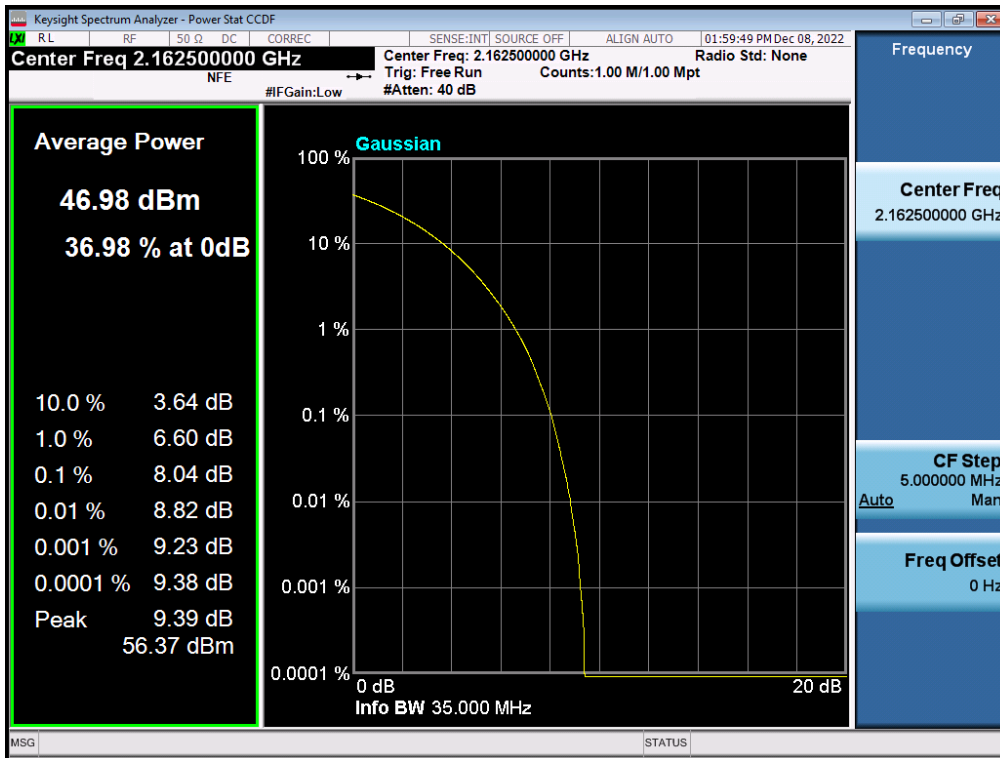
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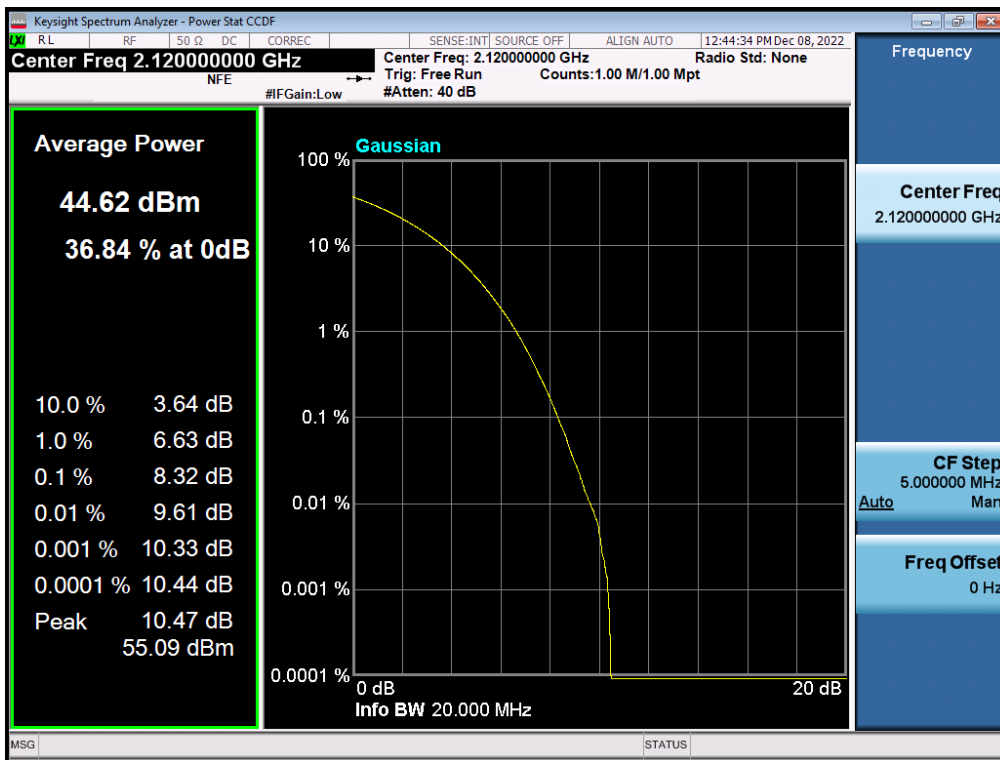
Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 20 MHz 1 Carrier [4 Carrier] [1C+3C] / LTE B66 5 MHz 1 Carrier / 64QAM / Low / Non-Contiguous



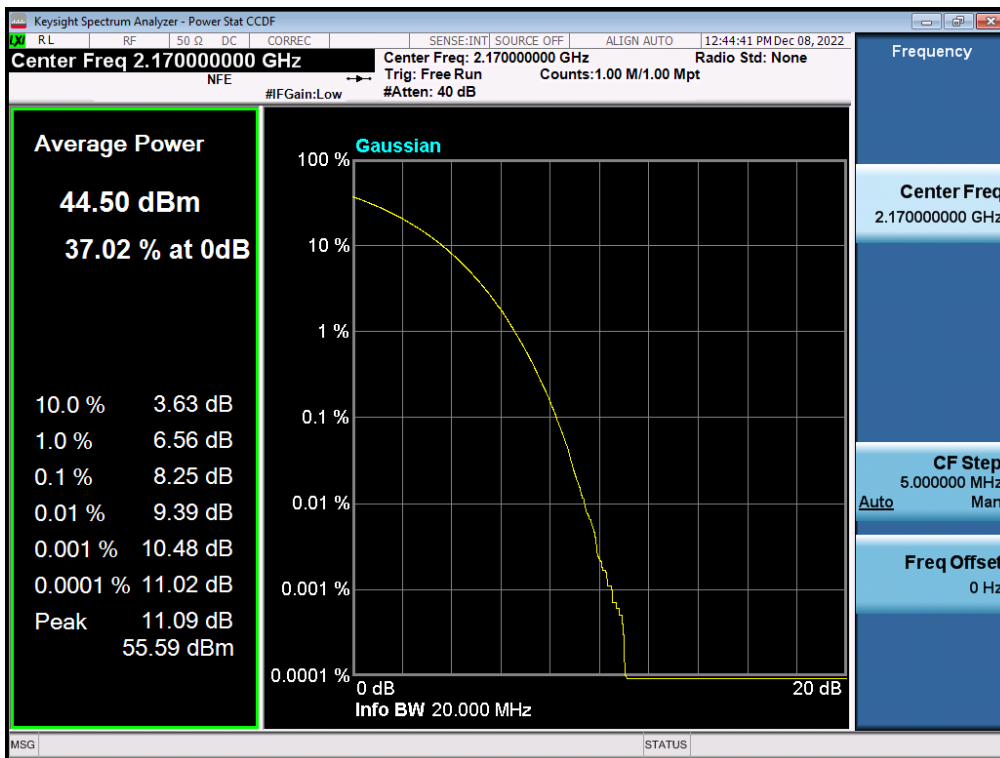
Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 20 MHz 1 Carrier [4 Carrier] [1C+3C] / 5G NR n66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 20 MHz 1 Carrier / 64QAM / High / Non-Contiguous



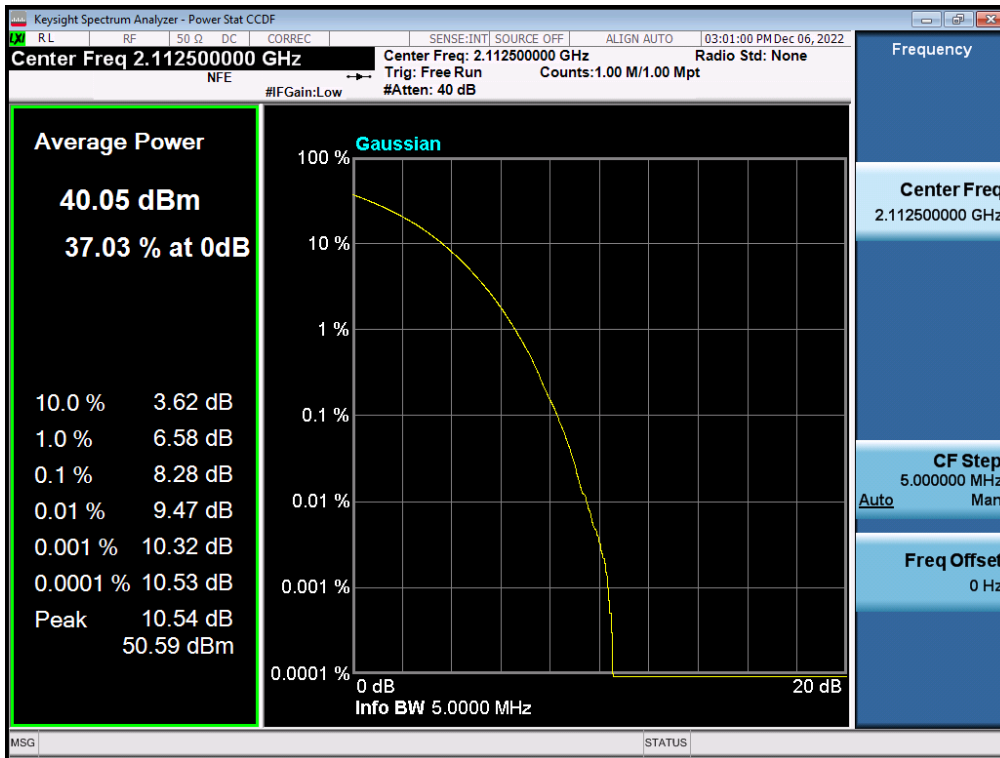
Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 20 MHz 1 Carrier [4 Carrier] [3C+1C] / LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier / 64QAM / Low / Non-Contiguous



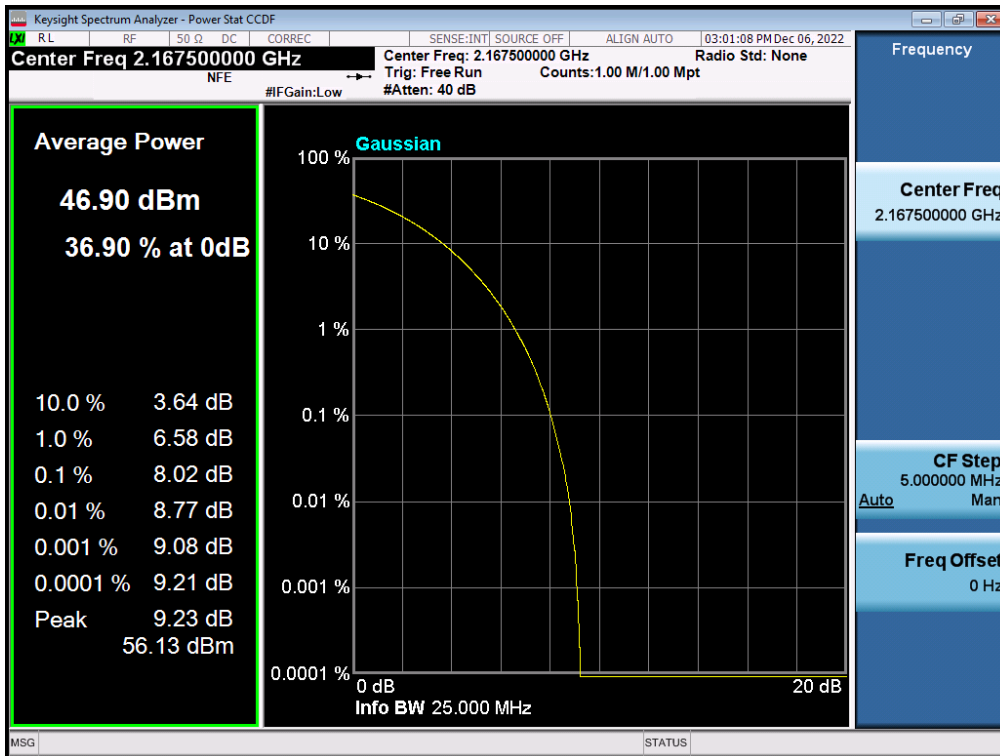
Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 20 MHz 1 Carrier [4 Carrier] [3C+1C] / DSS B66 20 MHz 1 Carrier / 64QAM / High / Non-Contiguous



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

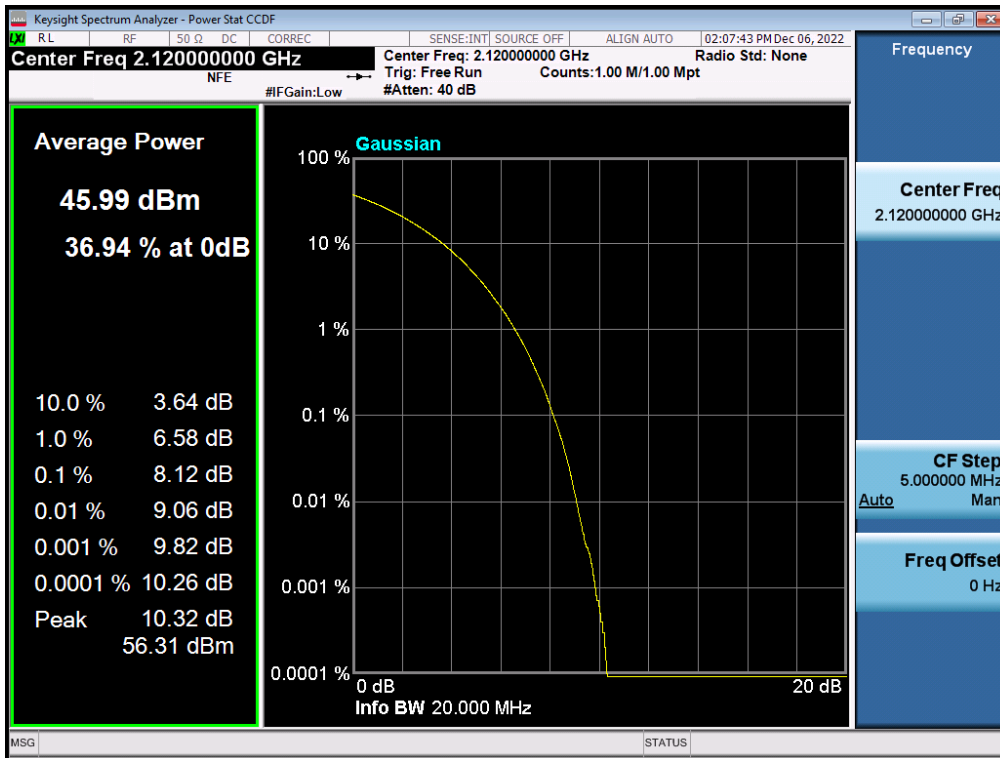


Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [4 Carrier] [1C+3C] / LTE B66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier / 16QAM / High / Non-Contiguous

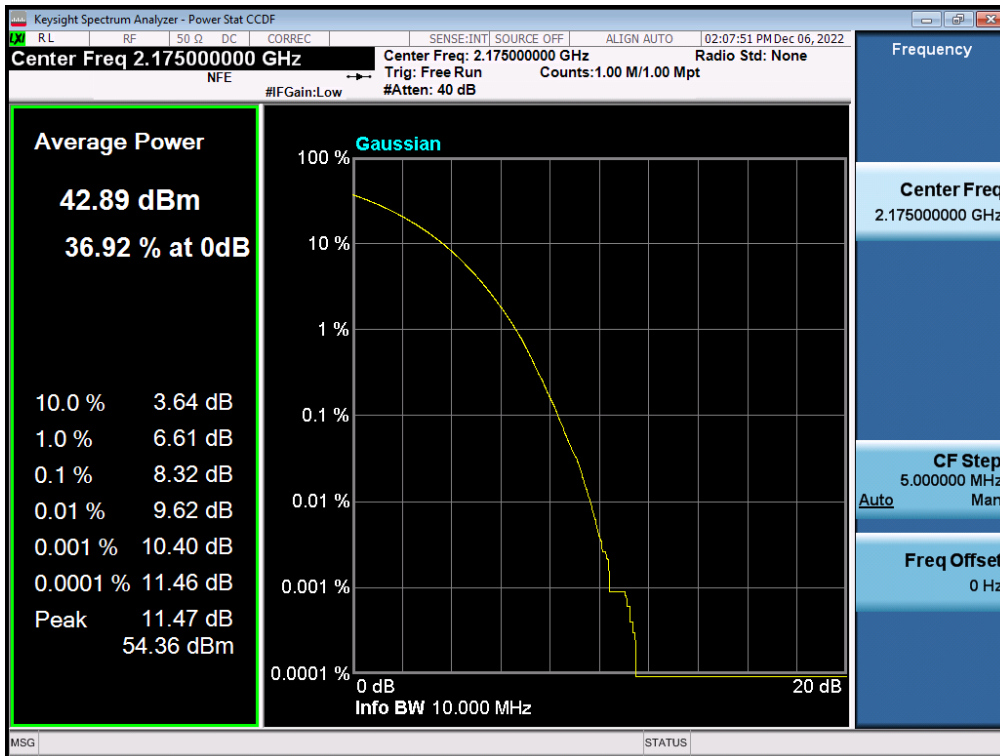




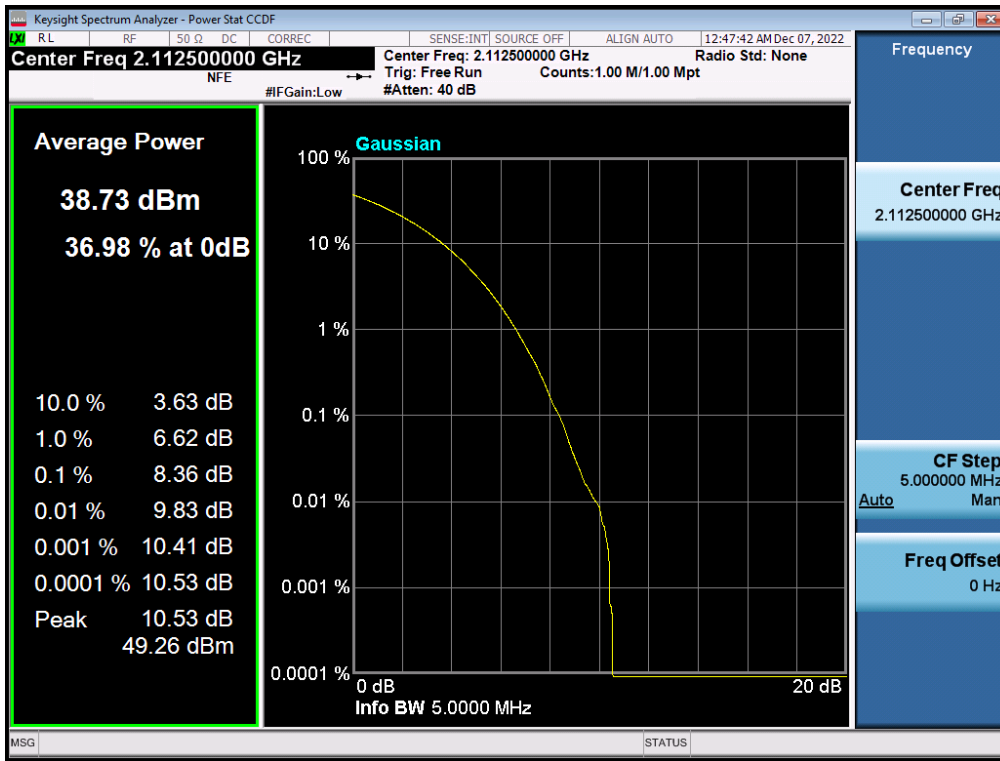
Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [4 Carrier] [3C+1C] / LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier / 256QAM / Low / Non-Contiguous



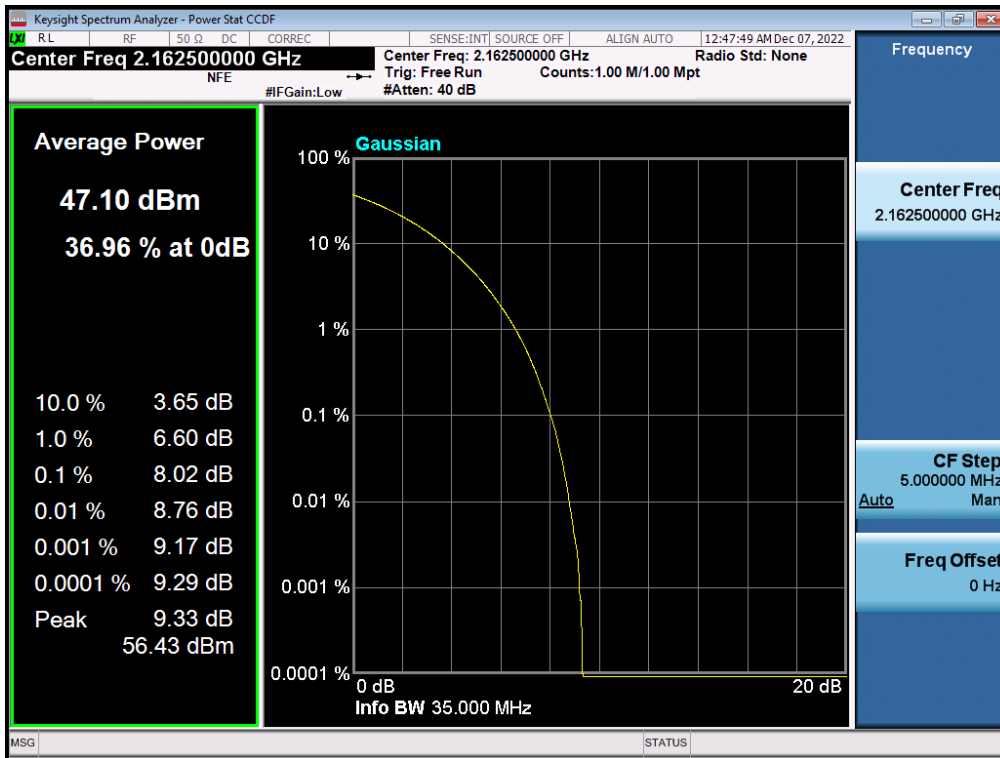
Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [4 Carrier] [3C+1C] / DSS B66 10 MHz 1 Carrier / 256QAM / High / Non-Contiguous



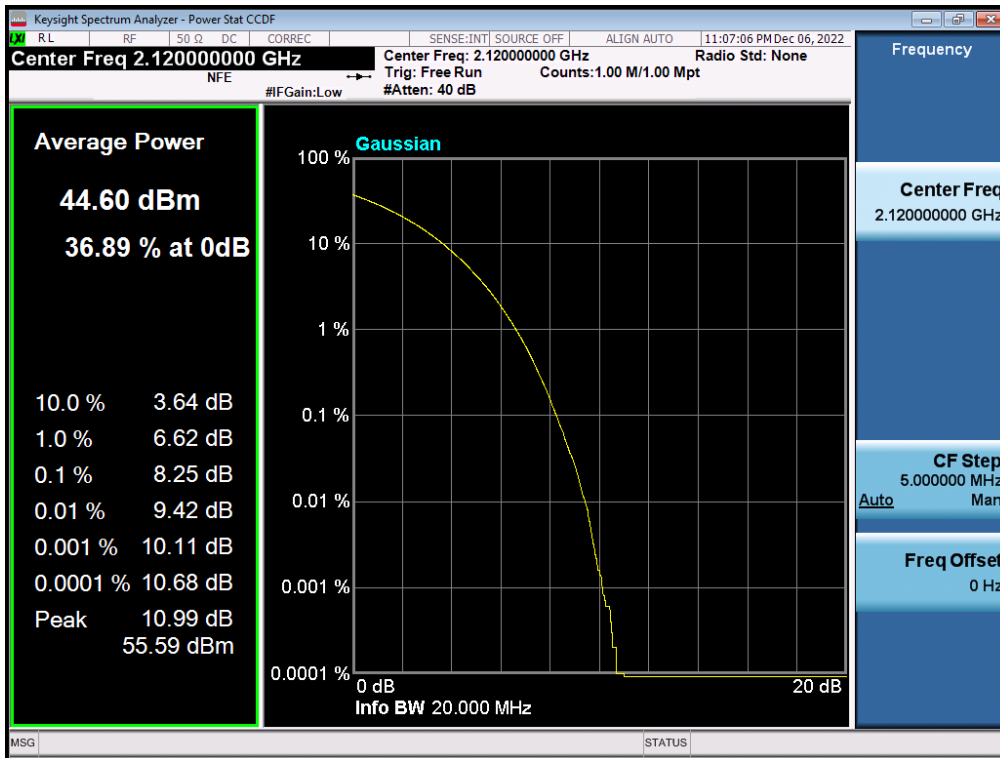
Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 20 MHz 1 Carrier [4 Carrier] [1C+3C] / LTE B66 5 MHz 1 Carrier / 256QAM / Low / Non-Contiguous



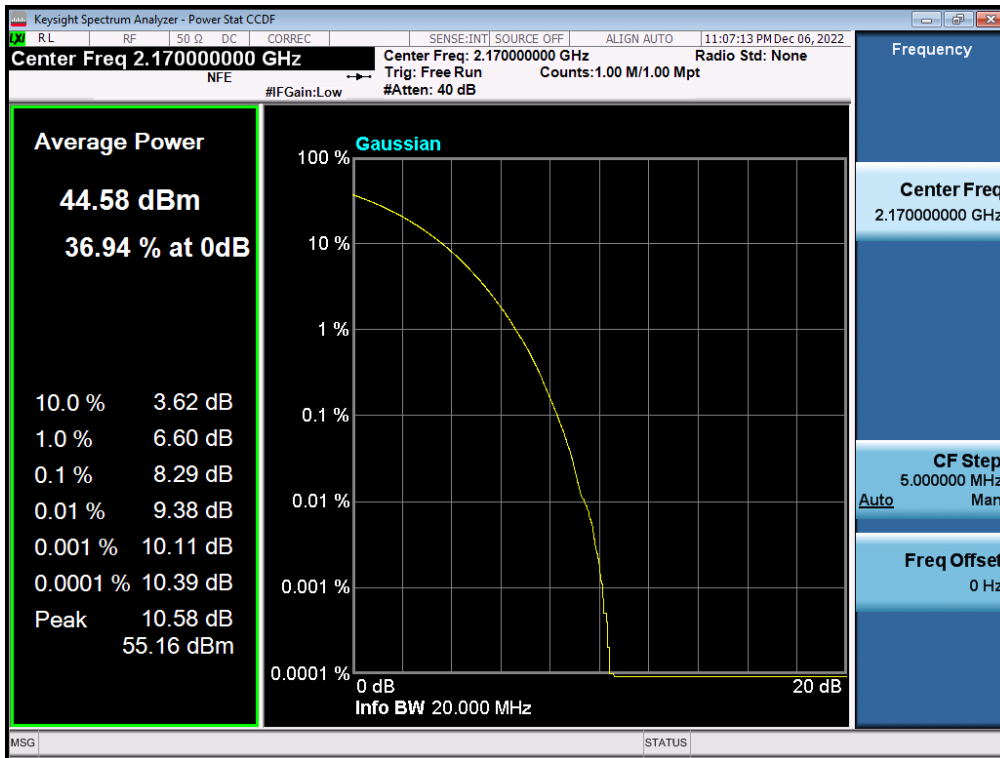
Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 20 MHz 1 Carrier [4 Carrier] [1C+3C] / LTE B66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 20 MHz 1 Carrier / 256QAM / High / Non-Contiguous



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



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



### 5.3. OCCUPIED BANDWIDTH

#### Test Requirements:

##### § 2.1049 Measurements required: Occupied bandwidth.

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured under the specified conditions of § 2.1049 (a) through (i) as applicable.

#### Test Procedures:

The measurement is performed in accordance with Section 5.4.3 and 5.4.4 of ANSI C63.26.

##### 5.4.3 Occupied bandwidth—Relative measurement procedure

The OBW is measured as the width of the spectral envelope of the modulated signal, at an amplitude level reduced from a reference value by a specified ratio (or in decibels, a specified number of dB down from the reference value). The typical ratio for transmitters is  $-26$  dB, corresponding to the 26 dB BW; however, other ratios can be specified. In this subclause, the ratio is designated by “ $-X$  dB.”

- a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be wide enough to see sufficient roll off of the signal to make the measurement.
- b) The nominal RBW shall be in the range of 1 % to 5 % of the anticipated OBW, and the VBW shall be set  $\geq 3 \times$  RBW.
- c) Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation. See guidance provided in 4.2.3.  
NOTE—Step a), step b), and step c) may require iteration to adjust within the specified tolerances.
- d) The dynamic range of the spectrum analyzer at the selected RBW shall be more than 10 dB below the target “ $-X$  dB” requirement, i.e., if the requirement calls for measuring the  $-26$  dB OBW, the spectrum analyzer noise floor at the selected RBW shall be at least 36 dB below the reference level.
- e) Set spectrum analyzer detection mode to peak, and the trace mode to max hold.
- f) Determine the reference value by either of the following:
  - 1) Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the Highest level of the displayed trace (this is the reference value).
  - 2) Set the EUT to transmit an unmodulated carrier. Set the spectrum analyzer marker to the level of the carrier.
- g) Determine the “ $-X$  dB amplitude” as equal to (Reference Value  $- X$ ). Alternatively, this calculation can be performed on the spectrum analyzer using the delta-marker measurement function.
- h) If the reference value was determined using an unmodulated carrier, turn the EUT modulation on, then either clear the existing trace or start a new trace on the spectrum analyzer and allow the new trace to stabilize. Otherwise the trace from step f) shall be used for step i).
- i) Place two markers, one at the lowest and the other at the Highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “ $-X$  dB amplitude” determined in step f). If a marker is below this “ $-X$  dB amplitude” value it should be as close as possible to this value. The OBW is the positive frequency difference between the two markers. The spectral envelope can cross the “ $-X$  dB amplitude” at multiple points. The lowest or Highest frequency

shall be selected as the frequencies that are the farthest away from the center frequency at which the spectral envelope crosses the “-X dB amplitude.”

- j) The OBW shall be reported by providing plot(s) of the measuring instrument display, to include markers depicting the relevant frequency and amplitude information (e.g., marker table). The frequency and amplitude axis and scale shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

#### 5.4.4 Occupied bandwidth—Power bandwidth (99 %) measurement procedure

The OBW is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5 % of the total mean power of the given emission.

The following procedure shall be used for measuring (99 %) power bandwidth:

- a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be set wide enough to capture all modulation products including the emission skirts (typically a span of  $1.5 \times \text{OBW}$  is sufficient).
- b) The nominal IF filter 3 dB bandwidth (RBW) shall be in the range of 1 % to 5 % of the anticipated OBW, and the VBW shall be set  $\geq 3 \times \text{RBW}$ .
- c) Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation. See guidance provided in 4.2.3.  
NOTE—Step a), step b), and step c) may require iteration to adjust within the specified tolerances.
- d) Set the detection mode to peak, and the trace mode to max-hold.
- e) If the instrument does not have a 99 % OBW function, recover the trace data points and sum directly in linear power terms. Place the recovered amplitude data points, beginning at the lowest frequency, in a running sum until 0.5 % of the total is reached. Record that frequency as the lower OBW frequency. Repeat the process until 99.5 % of the total is reached and record that frequency as the upper OBW frequency. The 99 % power OBW can be determined by computing the difference these two frequencies.
- f) The OBW shall be reported and plot(s) of the measuring instrument display shall be provided with the test report. The frequency and amplitude axis and scale shall be clearly labeled. Tabular data can be reported in addition to the plot(s).

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

**Test Results:**

**Tabular Data of Contiguous Occupied Bandwidth**

**(2 Port) DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [2 Carrier]**

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 940.00	19.114
		Middle	1 960.00	19.086
		High	1 980.00	19.052
	16QAM	Low	1 940.00	18.967
		Middle	1 960.00	18.989
		High	1 980.00	18.958
	64QAM	Low	1 940.00	19.126
		Middle	1 960.00	19.097
		High	1 980.00	19.035
	256QAM	Low	1 940.00	19.092
		Middle	1 960.00	18.993
		High	1 980.00	19.013
1	QPSK	Low	1 940.00	19.055
		Middle	1 960.00	19.068
		High	1 980.00	19.030
	16QAM	Low	1 940.00	18.983
		Middle	1 960.00	19.047
		High	1 980.00	18.947
	64QAM	Low	1 940.00	19.094
		Middle	1 960.00	19.109
		High	1 980.00	19.140
	256QAM	Low	1 940.00	19.069
		Middle	1 960.00	19.071
		High	1 980.00	19.126

## (2 Port) LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 940.00	19.223
		Middle	1 960.00	19.249
		High	1 980.00	19.166
	16QAM	Low	1 940.00	19.181
		Middle	1 960.00	19.126
		High	1 980.00	19.218
	64QAM	Low	1 940.00	19.177
		Middle	1 960.00	19.293
		High	1 980.00	19.248
	256QAM	Low	1 940.00	19.239
		Middle	1 960.00	19.291
		High	1 980.00	19.180
1	QPSK	Low	1 940.00	19.268
		Middle	1 960.00	19.254
		High	1 980.00	19.237
	16QAM	Low	1 940.00	19.117
		Middle	1 960.00	19.133
		High	1 980.00	19.240
	64QAM	Low	1 940.00	19.199
		Middle	1 960.00	19.219
		High	1 980.00	19.211
	256QAM	Low	1 940.00	19.215
		Middle	1 960.00	19.194
		High	1 980.00	19.199

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 945.00	29.019
		Middle	1 960.00	29.050
		High	1 975.00	29.018
	16QAM	Low	1 945.00	28.888
		Middle	1 960.00	29.077
		High	1 975.00	28.973
	64QAM	Low	1 945.00	29.038
		Middle	1 960.00	29.104
		High	1 975.00	29.039
	256QAM	Low	1 945.00	28.977
		Middle	1 960.00	29.062
		High	1 975.00	28.968
1	QPSK	Low	1 945.00	29.052
		Middle	1 960.00	28.972
		High	1 975.00	29.060
	16QAM	Low	1 945.00	29.016
		Middle	1 960.00	29.044
		High	1 975.00	29.012
	64QAM	Low	1 945.00	29.021
		Middle	1 960.00	28.950
		High	1 975.00	29.043
	256QAM	Low	1 945.00	28.961
		Middle	1 960.00	28.975
		High	1 975.00	29.073



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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 937.50	14.429
		Middle	1 960.00	14.415
		High	1 982.50	14.444
	16QAM	Low	1 937.50	14.491
		Middle	1 960.00	14.480
		High	1 982.50	14.476
	64QAM	Low	1 937.50	14.427
		Middle	1 960.00	14.419
		High	1 982.50	14.465
	256QAM	Low	1 937.50	14.413
		Middle	1 960.00	14.406
		High	1 982.50	14.428
1	QPSK	Low	1 937.50	14.446
		Middle	1 960.00	14.399
		High	1 982.50	14.421
	16QAM	Low	1 937.50	14.504
		Middle	1 960.00	14.498
		High	1 982.50	14.461
	64QAM	Low	1 937.50	14.458
		Middle	1 960.00	14.434
		High	1 982.50	14.443
	256QAM	Low	1 937.50	14.433
		Middle	1 960.00	14.433
		High	1 982.50	14.440

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 945.00	29.087
		Middle	1 960.00	29.099
		High	1 975.00	29.173
	16QAM	Low	1 945.00	29.188
		Middle	1 960.00	29.188
		High	1 975.00	29.168
	64QAM	Low	1 945.00	29.123
		Middle	1 960.00	29.155
		High	1 975.00	29.139
	256QAM	Low	1 945.00	29.104
		Middle	1 960.00	29.138
		High	1 975.00	29.163
1	QPSK	Low	1 945.00	29.140
		Middle	1 960.00	29.122
		High	1 975.00	29.085
	16QAM	Low	1 945.00	29.233
		Middle	1 960.00	29.325
		High	1 975.00	29.129
	64QAM	Low	1 945.00	29.094
		Middle	1 960.00	29.161
		High	1 975.00	29.170
	256QAM	Low	1 945.00	29.151
		Middle	1 960.00	29.219
		High	1 975.00	29.159

## (2 Port) 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 940.00	19.214
		Middle	1 960.00	19.242
		High	1 980.00	19.170
	16QAM	Low	1 940.00	19.181
		Middle	1 960.00	19.163
		High	1 980.00	19.259
	64QAM	Low	1 940.00	19.266
		Middle	1 960.00	19.229
		High	1 980.00	19.293
	256QAM	Low	1 940.00	19.203
		Middle	1 960.00	19.202
		High	1 980.00	19.190
1	QPSK	Low	1 940.00	19.203
		Middle	1 960.00	19.224
		High	1 980.00	19.256
	16QAM	Low	1 940.00	19.126
		Middle	1 960.00	19.158
		High	1 980.00	19.295
	64QAM	Low	1 940.00	19.192
		Middle	1 960.00	19.262
		High	1 980.00	19.194
	256QAM	Low	1 940.00	19.276
		Middle	1 960.00	19.208
		High	1 980.00	19.239

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 945.00	29.051
		Middle	1 960.00	28.966
		High	1 975.00	29.169
	16QAM	Low	1 945.00	29.115
		Middle	1 960.00	28.995
		High	1 975.00	29.029
	64QAM	Low	1 945.00	29.017
		Middle	1 960.00	29.025
		High	1 975.00	29.080
	256QAM	Low	1 945.00	29.001
		Middle	1 960.00	29.016
		High	1 975.00	28.953
1	QPSK	Low	1 945.00	28.929
		Middle	1 960.00	29.045
		High	1 975.00	28.990
	16QAM	Low	1 945.00	28.941
		Middle	1 960.00	29.106
		High	1 975.00	29.095
	64QAM	Low	1 945.00	29.048
		Middle	1 960.00	29.081
		High	1 975.00	29.104
	256QAM	Low	1 945.00	29.041
		Middle	1 960.00	28.973
		High	1 975.00	28.961

## (2 Port) DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 945.00	28.977
		Middle	1 960.00	29.010
		High	1 975.00	28.963
	16QAM	Low	1 945.00	28.918
		Middle	1 960.00	28.967
		High	1 975.00	29.029
	64QAM	Low	1 945.00	28.979
		Middle	1 960.00	28.954
		High	1 975.00	28.905
	256QAM	Low	1 945.00	28.938
		Middle	1 960.00	28.939
		High	1 975.00	29.036
1	QPSK	Low	1 945.00	29.071
		Middle	1 960.00	29.008
		High	1 975.00	28.988
	16QAM	Low	1 945.00	28.890
		Middle	1 960.00	28.918
		High	1 975.00	29.007
	64QAM	Low	1 945.00	28.963
		Middle	1 960.00	29.046
		High	1 975.00	29.011
	256QAM	Low	1 945.00	28.927
		Middle	1 960.00	29.028
		High	1 975.00	29.005

## (2 Port) 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [3 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 117.50	14.401
		Middle	2 145.00	14.438
		High	2 172.50	14.406
	16QAM	Low	2 117.50	14.493
		Middle	2 145.00	14.513
		High	2 172.50	14.466
	64QAM	Low	2 117.50	14.420
		Middle	2 145.00	14.436
		High	2 172.50	14.429
	256QAM	Low	2 117.50	14.413
		Middle	2 145.00	14.436
		High	2 172.50	14.427
1	QPSK	Low	2 117.50	14.403
		Middle	2 145.00	14.412
		High	2 172.50	14.423
	16QAM	Low	2 117.50	14.502
		Middle	2 145.00	14.490
		High	2 172.50	14.420
	64QAM	Low	2 117.50	14.428
		Middle	2 145.00	14.442
		High	2 172.50	14.452
	256QAM	Low	2 117.50	14.420
		Middle	2 145.00	14.422
		High	2 172.50	14.427

## (2 Port) 5G NR n66 10 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [3 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 130.00	38.972
		Middle	2 145.00	38.900
		High	2 160.00	38.996
	16QAM	Low	2 130.00	39.075
		Middle	2 145.00	39.111
		High	2 160.00	38.810
	64QAM	Low	2 130.00	38.972
		Middle	2 145.00	39.016
		High	2 160.00	39.012
	256QAM	Low	2 130.00	38.908
		Middle	2 145.00	39.081
		High	2 160.00	39.001
1	QPSK	Low	2 130.00	38.980
		Middle	2 145.00	38.993
		High	2 160.00	39.086
	16QAM	Low	2 130.00	39.028
		Middle	2 145.00	39.027
		High	2 160.00	38.787
	64QAM	Low	2 130.00	39.035
		Middle	2 145.00	38.992
		High	2 160.00	38.970
	256QAM	Low	2 130.00	38.929
		Middle	2 145.00	38.950
		High	2 160.00	38.949

## (2 Port) 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [3 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 120.00	19.239
		Middle	2 145.00	19.254
		High	2 170.00	19.234
	16QAM	Low	2 120.00	19.210
		Middle	2 145.00	19.162
		High	2 170.00	19.288
	64QAM	Low	2 120.00	19.290
		Middle	2 145.00	19.240
		High	2 170.00	19.268
	256QAM	Low	2 120.00	19.238
		Middle	2 145.00	19.263
		High	2 170.00	19.166
1	QPSK	Low	2 120.00	19.204
		Middle	2 145.00	19.237
		High	2 170.00	19.273
	16QAM	Low	2 120.00	19.163
		Middle	2 145.00	19.174
		High	2 170.00	19.277
	64QAM	Low	2 120.00	19.171
		Middle	2 145.00	19.219
		High	2 170.00	19.256
	256QAM	Low	2 120.00	19.275
		Middle	2 145.00	19.195
		High	2 170.00	19.264



## (2 Port) DSS B66 10 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [3 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 130.00	38.826
		Middle	2 145.00	38.841
		High	2 160.00	38.917
	16QAM	Low	2 130.00	38.963
		Middle	2 145.00	39.001
		High	2 160.00	38.853
	64QAM	Low	2 130.00	38.843
		Middle	2 145.00	38.874
		High	2 160.00	38.870
	256QAM	Low	2 130.00	38.875
		Middle	2 145.00	38.892
		High	2 160.00	38.773
1	QPSK	Low	2 130.00	38.860
		Middle	2 145.00	38.780
		High	2 160.00	38.838
	16QAM	Low	2 130.00	38.945
		Middle	2 145.00	38.903
		High	2 160.00	38.829
	64QAM	Low	2 130.00	38.704
		Middle	2 145.00	38.890
		High	2 160.00	38.884
	256QAM	Low	2 130.00	38.892
		Middle	2 145.00	38.894
		High	2 160.00	38.909

## (2 Port) DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [3 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 125.00	28.984
		Middle	2 145.00	29.016
		High	2 165.00	29.057
	16QAM	Low	2 125.00	28.959
		Middle	2 145.00	29.019
		High	2 165.00	28.923
	64QAM	Low	2 125.00	28.972
		Middle	2 145.00	28.941
		High	2 165.00	29.018
	256QAM	Low	2 125.00	29.020
		Middle	2 145.00	28.992
		High	2 165.00	29.040
1	QPSK	Low	2 125.00	29.005
		Middle	2 145.00	29.023
		High	2 165.00	29.020
	16QAM	Low	2 125.00	28.961
		Middle	2 145.00	28.961
		High	2 165.00	28.897
	64QAM	Low	2 125.00	28.935
		Middle	2 145.00	28.964
		High	2 165.00	28.950
	256QAM	Low	2 125.00	28.959
		Middle	2 145.00	28.976
		High	2 165.00	29.028

## (2 Port) DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 20 MHz 1 Carrier [3 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 130.00	38.749
		Middle	2 145.00	38.616
		High	2 160.00	38.312
	16QAM	Low	2 130.00	38.754
		Middle	2 145.00	38.734
		High	2 160.00	38.677
	64QAM	Low	2 130.00	38.622
		Middle	2 145.00	38.652
		High	2 160.00	38.743
	256QAM	Low	2 130.00	38.656
		Middle	2 145.00	38.668
		High	2 160.00	38.779
1	QPSK	Low	2 130.00	38.755
		Middle	2 145.00	38.742
		High	2 160.00	38.367
	16QAM	Low	2 130.00	38.732
		Middle	2 145.00	38.699
		High	2 160.00	38.657
	64QAM	Low	2 130.00	38.742
		Middle	2 145.00	38.617
		High	2 160.00	38.704
	256QAM	Low	2 130.00	38.860
		Middle	2 145.00	38.782
		High	2 160.00	38.761

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 120.00	19.351
		Middle	2 145.00	19.418
		High	2 170.00	19.388
	16QAM	Low	2 120.00	19.406
		Middle	2 145.00	19.410
		High	2 170.00	19.455
	64QAM	Low	2 120.00	19.433
		Middle	2 145.00	19.377
		High	2 170.00	19.388
	256QAM	Low	2 120.00	19.431
		Middle	2 145.00	19.399
		High	2 170.00	19.396
1	QPSK	Low	2 120.00	19.433
		Middle	2 145.00	19.381
		High	2 170.00	19.337
	16QAM	Low	2 120.00	19.379
		Middle	2 145.00	19.347
		High	2 170.00	19.458
	64QAM	Low	2 120.00	19.404
		Middle	2 145.00	19.424
		High	2 170.00	19.367
	256QAM	Low	2 120.00	19.403
		Middle	2 145.00	19.435
		High	2 170.00	19.385

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 130.00	39.039
		Middle	2 145.00	39.069
		High	2 160.00	39.113
	16QAM	Low	2 130.00	39.197
		Middle	2 145.00	39.115
		High	2 160.00	39.060
	64QAM	Low	2 130.00	39.066
		Middle	2 145.00	39.123
		High	2 160.00	39.025
	256QAM	Low	2 130.00	39.061
		Middle	2 145.00	39.176
		High	2 160.00	39.150
1	QPSK	Low	2 130.00	39.006
		Middle	2 145.00	39.042
		High	2 160.00	39.070
	16QAM	Low	2 130.00	39.127
		Middle	2 145.00	39.186
		High	2 160.00	39.098
	64QAM	Low	2 130.00	39.063
		Middle	2 145.00	39.105
		High	2 160.00	39.060
	256QAM	Low	2 130.00	39.045
		Middle	2 145.00	39.115
		High	2 160.00	39.029

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 122.50	24.233
		Middle	2 145.00	24.193
		High	2 167.50	24.226
	16QAM	Low	2 122.50	24.143
		Middle	2 145.00	24.124
		High	2 167.50	24.202
	64QAM	Low	2 122.50	24.179
		Middle	2 145.00	24.241
		High	2 167.50	24.248
	256QAM	Low	2 122.50	24.163
		Middle	2 145.00	24.198
		High	2 167.50	24.155
1	QPSK	Low	2 122.50	24.206
		Middle	2 145.00	24.200
		High	2 167.50	24.185
	16QAM	Low	2 122.50	24.145
		Middle	2 145.00	24.157
		High	2 167.50	24.210
	64QAM	Low	2 122.50	24.126
		Middle	2 145.00	24.253
		High	2 167.50	24.218
	256QAM	Low	2 122.50	24.185
		Middle	2 145.00	24.205
		High	2 167.50	24.218

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 130.00	39.028
		Middle	2 145.00	38.903
		High	2 160.00	38.847
	16QAM	Low	2 130.00	38.867
		Middle	2 145.00	38.754
		High	2 160.00	38.762
	64QAM	Low	2 130.00	38.906
		Middle	2 145.00	38.910
		High	2 160.00	38.876
	256QAM	Low	2 130.00	38.837
		Middle	2 145.00	38.875
		High	2 160.00	38.829
1	QPSK	Low	2 130.00	39.001
		Middle	2 145.00	38.774
		High	2 160.00	38.967
	16QAM	Low	2 130.00	38.855
		Middle	2 145.00	38.898
		High	2 160.00	38.829
	64QAM	Low	2 130.00	38.911
		Middle	2 145.00	38.950
		High	2 160.00	39.001
	256QAM	Low	2 130.00	38.763
		Middle	2 145.00	38.855
		High	2 160.00	38.942

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 125.00	29.133
		Middle	2 145.00	29.170
		High	2 165.00	29.175
	16QAM	Low	2 125.00	29.080
		Middle	2 145.00	29.115
		High	2 165.00	29.203
	64QAM	Low	2 125.00	29.154
		Middle	2 145.00	29.267
		High	2 165.00	29.132
	256QAM	Low	2 125.00	29.174
		Middle	2 145.00	29.217
		High	2 165.00	29.223
1	QPSK	Low	2 125.00	29.092
		Middle	2 145.00	29.183
		High	2 165.00	29.142
	16QAM	Low	2 125.00	29.114
		Middle	2 145.00	29.155
		High	2 165.00	29.120
	64QAM	Low	2 125.00	29.201
		Middle	2 145.00	29.172
		High	2 165.00	29.203
	256QAM	Low	2 125.00	29.137
		Middle	2 145.00	29.221
		High	2 165.00	29.182



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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 130.00	38.916
		Middle	2 145.00	38.902
		High	2 160.00	38.563
	16QAM	Low	2 130.00	38.959
		Middle	2 145.00	38.933
		High	2 160.00	38.960
	64QAM	Low	2 130.00	38.889
		Middle	2 145.00	38.886
		High	2 160.00	39.116
	256QAM	Low	2 130.00	38.860
		Middle	2 145.00	38.936
		High	2 160.00	38.945
1	QPSK	Low	2 130.00	38.921
		Middle	2 145.00	38.919
		High	2 160.00	38.641
	16QAM	Low	2 130.00	38.783
		Middle	2 145.00	38.871
		High	2 160.00	38.957
	64QAM	Low	2 130.00	38.903
		Middle	2 145.00	38.979
		High	2 160.00	38.872
	256QAM	Low	2 130.00	38.823
		Middle	2 145.00	38.983
		High	2 160.00	38.850

## (4 Port) DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [2 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 940.00	19.092
		Middle	1 960.00	19.151
		High	1 980.00	19.028
	16QAM	Low	1 940.00	19.057
		Middle	1 960.00	18.997
		High	1 980.00	19.027
	64QAM	Low	1 940.00	19.085
		Middle	1 960.00	19.028
		High	1 980.00	18.970
	256QAM	Low	1 940.00	18.996
		Middle	1 960.00	19.005
		High	1 980.00	19.010
1	QPSK	Low	1 940.00	19.075
		Middle	1 960.00	19.125
		High	1 980.00	19.077
	16QAM	Low	1 940.00	19.005
		Middle	1 960.00	18.989
		High	1 980.00	18.960
	64QAM	Low	1 940.00	19.179
		Middle	1 960.00	19.156
		High	1 980.00	19.070
	256QAM	Low	1 940.00	19.019
		Middle	1 960.00	18.955
		High	1 980.00	19.164

2	QPSK	Low	1 940.00	19.017
		Middle	1 960.00	19.076
		High	1 980.00	19.052
	16QAM	Low	1 940.00	18.958
		Middle	1 960.00	19.009
		High	1 980.00	18.962
	64QAM	Low	1 940.00	19.026
		Middle	1 960.00	19.070
		High	1 980.00	19.112
256QAM	Low	1 940.00	18.976	
	Middle	1 960.00	19.130	
	High	1 980.00	19.081	
3	QPSK	Low	1 940.00	19.039
		Middle	1 960.00	19.034
		High	1 980.00	19.039
	16QAM	Low	1 940.00	19.003
		Middle	1 960.00	19.026
		High	1 980.00	18.999
	64QAM	Low	1 940.00	19.062
		Middle	1 960.00	19.069
		High	1 980.00	19.104
256QAM	Low	1 940.00	19.143	
	Middle	1 960.00	19.061	
	High	1 980.00	19.057	

## (4 Port) LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 940.00	19.276
		Middle	1 960.00	19.238
		High	1 980.00	19.244
	16QAM	Low	1 940.00	19.120
		Middle	1 960.00	19.164
		High	1 980.00	19.248
	64QAM	Low	1 940.00	19.238
		Middle	1 960.00	19.257
		High	1 980.00	19.233
	256QAM	Low	1 940.00	19.192
		Middle	1 960.00	19.264
		High	1 980.00	19.227
1	QPSK	Low	1 940.00	19.269
		Middle	1 960.00	19.224
		High	1 980.00	19.311
	16QAM	Low	1 940.00	19.137
		Middle	1 960.00	19.133
		High	1 980.00	19.251
	64QAM	Low	1 940.00	19.265
		Middle	1 960.00	19.240
		High	1 980.00	19.304
	256QAM	Low	1 940.00	19.249
		Middle	1 960.00	19.260
		High	1 980.00	19.227

2	QPSK	Low	1 940.00	19.192
		Middle	1 960.00	19.263
		High	1 980.00	19.238
	16QAM	Low	1 940.00	19.178
		Middle	1 960.00	19.174
		High	1 980.00	19.262
	64QAM	Low	1 940.00	19.186
		Middle	1 960.00	19.211
		High	1 980.00	19.247
256QAM	Low	1 940.00	19.184	
	Middle	1 960.00	19.271	
	High	1 980.00	19.214	
3	QPSK	Low	1 940.00	19.223
		Middle	1 960.00	19.277
		High	1 980.00	19.202
	16QAM	Low	1 940.00	19.182
		Middle	1 960.00	19.170
		High	1 980.00	19.250
	64QAM	Low	1 940.00	19.193
		Middle	1 960.00	19.223
		High	1 980.00	19.243
256QAM	Low	1 940.00	19.232	
	Middle	1 960.00	19.227	
	High	1 980.00	19.251	

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 945.00	29.056
		Middle	1 960.00	29.042
		High	1 975.00	28.987
	16QAM	Low	1 945.00	29.081
		Middle	1 960.00	29.162
		High	1 975.00	29.022
	64QAM	Low	1 945.00	28.975
		Middle	1 960.00	29.061
		High	1 975.00	29.095
	256QAM	Low	1 945.00	28.922
		Middle	1 960.00	29.100
		High	1 975.00	29.007
1	QPSK	Low	1 945.00	28.905
		Middle	1 960.00	29.020
		High	1 975.00	28.997
	16QAM	Low	1 945.00	29.084
		Middle	1 960.00	29.043
		High	1 975.00	28.969
	64QAM	Low	1 945.00	28.933
		Middle	1 960.00	28.930
		High	1 975.00	29.009
	256QAM	Low	1 945.00	28.937
		Middle	1 960.00	29.034
		High	1 975.00	29.061

2	QPSK	Low	1 945.00	28.965
		Middle	1 960.00	29.107
		High	1 975.00	29.067
	16QAM	Low	1 945.00	29.068
		Middle	1 960.00	29.061
		High	1 975.00	28.985
	64QAM	Low	1 945.00	28.921
		Middle	1 960.00	28.962
		High	1 975.00	28.993
256QAM	Low	1 945.00	28.980	
	Middle	1 960.00	28.984	
	High	1 975.00	29.090	
3	QPSK	Low	1 945.00	29.094
		Middle	1 960.00	29.049
		High	1 975.00	29.046
	16QAM	Low	1 945.00	29.055
		Middle	1 960.00	29.121
		High	1 975.00	29.080
	64QAM	Low	1 945.00	29.064
		Middle	1 960.00	28.967
		High	1 975.00	28.984
256QAM	Low	1 945.00	28.985	
	Middle	1 960.00	28.941	
	High	1 975.00	28.980	

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 937.50	14.458
		Middle	1 960.00	14.426
		High	1 982.50	14.424
	16QAM	Low	1 937.50	14.470
		Middle	1 960.00	14.468
		High	1 982.50	14.464
	64QAM	Low	1 937.50	14.448
		Middle	1 960.00	14.478
		High	1 982.50	14.426
	256QAM	Low	1 937.50	14.424
		Middle	1 960.00	14.391
		High	1 982.50	14.423
1	QPSK	Low	1 937.50	14.410
		Middle	1 960.00	14.434
		High	1 982.50	14.416
	16QAM	Low	1 937.50	14.465
		Middle	1 960.00	14.498
		High	1 982.50	14.455
	64QAM	Low	1 937.50	14.453
		Middle	1 960.00	14.424
		High	1 982.50	14.428
	256QAM	Low	1 937.50	14.409
		Middle	1 960.00	14.437
		High	1 982.50	14.419



2	QPSK	Low	1 937.50	14.445
		Middle	1 960.00	14.413
		High	1 982.50	14.374
	16QAM	Low	1 937.50	14.488
		Middle	1 960.00	14.515
		High	1 982.50	14.485
	64QAM	Low	1 937.50	14.429
		Middle	1 960.00	14.430
		High	1 982.50	14.415
256QAM	Low	1 937.50	14.411	
	Middle	1 960.00	14.439	
	High	1 982.50	14.443	
3	QPSK	Low	1 937.50	14.420
		Middle	1 960.00	14.442
		High	1 982.50	14.424
	16QAM	Low	1 937.50	14.498
		Middle	1 960.00	14.486
		High	1 982.50	14.502
	64QAM	Low	1 937.50	14.412
		Middle	1 960.00	14.434
		High	1 982.50	14.427
256QAM	Low	1 937.50	14.421	
	Middle	1 960.00	14.441	
	High	1 982.50	14.437	

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 945.00	29.103
		Middle	1 960.00	29.119
		High	1 975.00	29.072
	16QAM	Low	1 945.00	29.207
		Middle	1 960.00	29.196
		High	1 975.00	29.159
	64QAM	Low	1 945.00	29.161
		Middle	1 960.00	29.167
		High	1 975.00	29.172
	256QAM	Low	1 945.00	29.144
		Middle	1 960.00	29.157
		High	1 975.00	29.103
1	QPSK	Low	1 945.00	29.108
		Middle	1 960.00	29.117
		High	1 975.00	29.125
	16QAM	Low	1 945.00	29.237
		Middle	1 960.00	29.235
		High	1 975.00	29.204
	64QAM	Low	1 945.00	29.094
		Middle	1 960.00	29.148
		High	1 975.00	29.149
	256QAM	Low	1 945.00	29.120
		Middle	1 960.00	29.170
		High	1 975.00	29.150

2	QPSK	Low	1 945.00	29.109
		Middle	1 960.00	29.154
		High	1 975.00	29.153
	16QAM	Low	1 945.00	29.253
		Middle	1 960.00	29.229
		High	1 975.00	29.160
	64QAM	Low	1 945.00	29.147
		Middle	1 960.00	29.182
		High	1 975.00	29.164
256QAM	Low	1 945.00	29.122	
	Middle	1 960.00	29.120	
	High	1 975.00	29.148	
3	QPSK	Low	1 945.00	29.133
		Middle	1 960.00	29.122
		High	1 975.00	29.185
	16QAM	Low	1 945.00	29.232
		Middle	1 960.00	29.258
		High	1 975.00	29.128
	64QAM	Low	1 945.00	29.180
		Middle	1 960.00	29.153
		High	1 975.00	29.100
256QAM	Low	1 945.00	29.142	
	Middle	1 960.00	29.151	
	High	1 975.00	29.134	

## (4 Port) 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 940.00	19.235
		Middle	1 960.00	19.222
		High	1 980.00	19.187
	16QAM	Low	1 940.00	19.174
		Middle	1 960.00	19.155
		High	1 980.00	19.286
	64QAM	Low	1 940.00	19.233
		Middle	1 960.00	19.218
		High	1 980.00	19.285
	256QAM	Low	1 940.00	19.182
		Middle	1 960.00	19.205
		High	1 980.00	19.260
1	QPSK	Low	1 940.00	19.178
		Middle	1 960.00	19.272
		High	1 980.00	19.250
	16QAM	Low	1 940.00	19.189
		Middle	1 960.00	19.159
		High	1 980.00	19.247
	64QAM	Low	1 940.00	19.199
		Middle	1 960.00	19.258
		High	1 980.00	19.351
	256QAM	Low	1 940.00	19.214
		Middle	1 960.00	19.182
		High	1 980.00	19.219

2	QPSK	Low	1 940.00	19.214
		Middle	1 960.00	19.237
		High	1 980.00	19.239
	16QAM	Low	1 940.00	19.182
		Middle	1 960.00	19.184
		High	1 980.00	19.304
	64QAM	Low	1 940.00	19.180
		Middle	1 960.00	19.233
		High	1 980.00	19.246
	256QAM	Low	1 940.00	19.282
		Middle	1 960.00	19.273
		High	1 980.00	19.310
3	QPSK	Low	1 940.00	19.258
		Middle	1 960.00	19.194
		High	1 980.00	19.212
	16QAM	Low	1 940.00	19.173
		Middle	1 960.00	19.162
		High	1 980.00	19.259
	64QAM	Low	1 940.00	19.235
		Middle	1 960.00	19.198
		High	1 980.00	19.220
	256QAM	Low	1 940.00	19.208
		Middle	1 960.00	19.251
		High	1 980.00	19.273

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 945.00	29.045
		Middle	1 960.00	29.009
		High	1 975.00	28.894
	16QAM	Low	1 945.00	29.024
		Middle	1 960.00	29.167
		High	1 975.00	29.065
	64QAM	Low	1 945.00	29.005
		Middle	1 960.00	28.991
		High	1 975.00	29.009
	256QAM	Low	1 945.00	29.057
		Middle	1 960.00	29.027
		High	1 975.00	29.046
1	QPSK	Low	1 945.00	29.022
		Middle	1 960.00	29.032
		High	1 975.00	29.021
	16QAM	Low	1 945.00	29.074
		Middle	1 960.00	29.128
		High	1 975.00	29.081
	64QAM	Low	1 945.00	29.008
		Middle	1 960.00	29.023
		High	1 975.00	29.015
	256QAM	Low	1 945.00	29.130
		Middle	1 960.00	28.890
		High	1 975.00	29.007

2	QPSK	Low	1 945.00	29.026
		Middle	1 960.00	28.988
		High	1 975.00	28.916
	16QAM	Low	1 945.00	29.090
		Middle	1 960.00	29.047
		High	1 975.00	29.190
	64QAM	Low	1 945.00	28.988
		Middle	1 960.00	29.118
		High	1 975.00	28.918
256QAM	Low	1 945.00	29.168	
	Middle	1 960.00	28.973	
	High	1 975.00	28.931	
3	QPSK	Low	1 945.00	28.941
		Middle	1 960.00	28.931
		High	1 975.00	29.086
	16QAM	Low	1 945.00	28.952
		Middle	1 960.00	29.055
		High	1 975.00	29.068
	64QAM	Low	1 945.00	28.997
		Middle	1 960.00	28.907
		High	1 975.00	29.056
256QAM	Low	1 945.00	29.058	
	Middle	1 960.00	29.014	
	High	1 975.00	28.990	

## (4 Port) DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 945.00	28.903
		Middle	1 960.00	29.092
		High	1 975.00	28.923
	16QAM	Low	1 945.00	28.896
		Middle	1 960.00	28.976
		High	1 975.00	28.987
	64QAM	Low	1 945.00	28.994
		Middle	1 960.00	29.031
		High	1 975.00	29.026
	256QAM	Low	1 945.00	28.982
		Middle	1 960.00	29.028
		High	1 975.00	29.063
1	QPSK	Low	1 945.00	29.007
		Middle	1 960.00	29.089
		High	1 975.00	28.994
	16QAM	Low	1 945.00	28.911
		Middle	1 960.00	28.852
		High	1 975.00	28.865
	64QAM	Low	1 945.00	29.009
		Middle	1 960.00	29.040
		High	1 975.00	28.975
	256QAM	Low	1 945.00	29.028
		Middle	1 960.00	28.974
		High	1 975.00	29.028



2	QPSK	Low	1 945.00	29.007
		Middle	1 960.00	28.992
		High	1 975.00	28.978
	16QAM	Low	1 945.00	28.909
		Middle	1 960.00	28.975
		High	1 975.00	28.934
	64QAM	Low	1 945.00	28.943
		Middle	1 960.00	29.024
		High	1 975.00	29.010
256QAM	Low	1 945.00	28.919	
	Middle	1 960.00	28.892	
	High	1 975.00	28.983	
3	QPSK	Low	1 945.00	29.046
		Middle	1 960.00	28.998
		High	1 975.00	29.055
	16QAM	Low	1 945.00	28.946
		Middle	1 960.00	28.921
		High	1 975.00	28.961
	64QAM	Low	1 945.00	28.949
		Middle	1 960.00	29.035
		High	1 975.00	28.951
256QAM	Low	1 945.00	29.002	
	Middle	1 960.00	28.908	
	High	1 975.00	29.128	

## (4 Port) 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [3 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 117.50	14.434
		Middle	2 145.00	14.446
		High	2 172.50	14.454
	16QAM	Low	2 117.50	14.432
		Middle	2 145.00	14.485
		High	2 172.50	14.475
	64QAM	Low	2 117.50	14.431
		Middle	2 145.00	14.446
		High	2 172.50	14.444
	256QAM	Low	2 117.50	14.438
		Middle	2 145.00	14.437
		High	2 172.50	14.433
1	QPSK	Low	2 117.50	14.420
		Middle	2 145.00	14.429
		High	2 172.50	14.426
	16QAM	Low	2 117.50	14.457
		Middle	2 145.00	14.472
		High	2 172.50	14.494
	64QAM	Low	2 117.50	14.399
		Middle	2 145.00	14.417
		High	2 172.50	14.455
	256QAM	Low	2 117.50	14.413
		Middle	2 145.00	14.438
		High	2 172.50	14.437

2	QPSK	Low	2 117.50	14.431
		Middle	2 145.00	14.414
		High	2 172.50	14.445
	16QAM	Low	2 117.50	14.474
		Middle	2 145.00	14.493
		High	2 172.50	14.458
	64QAM	Low	2 117.50	14.433
		Middle	2 145.00	14.397
		High	2 172.50	14.422
256QAM	Low	2 117.50	14.390	
	Middle	2 145.00	14.430	
	High	2 172.50	14.470	
3	QPSK	Low	2 117.50	14.429
		Middle	2 145.00	14.407
		High	2 172.50	14.447
	16QAM	Low	2 117.50	14.491
		Middle	2 145.00	14.483
		High	2 172.50	14.453
	64QAM	Low	2 117.50	14.411
		Middle	2 145.00	14.417
		High	2 172.50	14.448
256QAM	Low	2 117.50	14.393	
	Middle	2 145.00	14.431	
	High	2 172.50	14.438	

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 130.00	38.998
		Middle	2 145.00	38.975
		High	2 160.00	38.918
	16QAM	Low	2 130.00	39.027
		Middle	2 145.00	39.042
		High	2 160.00	38.745
	64QAM	Low	2 130.00	38.980
		Middle	2 145.00	38.965
		High	2 160.00	38.955
	256QAM	Low	2 130.00	38.909
		Middle	2 145.00	39.038
		High	2 160.00	39.021
1	QPSK	Low	2 130.00	38.991
		Middle	2 145.00	38.946
		High	2 160.00	39.008
	16QAM	Low	2 130.00	39.041
		Middle	2 145.00	39.077
		High	2 160.00	38.720
	64QAM	Low	2 130.00	38.992
		Middle	2 145.00	39.010
		High	2 160.00	38.928
	256QAM	Low	2 130.00	38.961
		Middle	2 145.00	39.007
		High	2 160.00	39.000

2	QPSK	Low	2 130.00	38.959
		Middle	2 145.00	39.021
		High	2 160.00	38.940
	16QAM	Low	2 130.00	39.105
		Middle	2 145.00	39.063
		High	2 160.00	38.739
	64QAM	Low	2 130.00	38.955
		Middle	2 145.00	39.045
		High	2 160.00	39.081
256QAM	Low	2 130.00	38.934	
	Middle	2 145.00	39.059	
	High	2 160.00	38.946	
3	QPSK	Low	2 130.00	38.940
		Middle	2 145.00	38.972
		High	2 160.00	38.998
	16QAM	Low	2 130.00	39.050
		Middle	2 145.00	39.063
		High	2 160.00	38.780
	64QAM	Low	2 130.00	39.027
		Middle	2 145.00	39.003
		High	2 160.00	38.946
256QAM	Low	2 130.00	38.987	
	Middle	2 145.00	39.043	
	High	2 160.00	38.920	

## (4 Port) 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [3 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 120.00	19.235
		Middle	2 145.00	19.280
		High	2 170.00	19.234
	16QAM	Low	2 120.00	19.195
		Middle	2 145.00	19.147
		High	2 170.00	19.236
	64QAM	Low	2 120.00	19.226
		Middle	2 145.00	19.177
		High	2 170.00	19.238
	256QAM	Low	2 120.00	19.216
		Middle	2 145.00	19.248
		High	2 170.00	19.208
1	QPSK	Low	2 120.00	19.199
		Middle	2 145.00	19.229
		High	2 170.00	19.221
	16QAM	Low	2 120.00	19.120
		Middle	2 145.00	19.185
		High	2 170.00	19.259
	64QAM	Low	2 120.00	19.292
		Middle	2 145.00	19.184
		High	2 170.00	19.247
	256QAM	Low	2 120.00	19.266
		Middle	2 145.00	19.246
		High	2 170.00	19.310

2	QPSK	Low	2 120.00	19.232
		Middle	2 145.00	19.253
		High	2 170.00	19.244
	16QAM	Low	2 120.00	19.200
		Middle	2 145.00	19.173
		High	2 170.00	19.297
	64QAM	Low	2 120.00	19.198
		Middle	2 145.00	19.245
		High	2 170.00	19.217
256QAM	Low	2 120.00	19.215	
	Middle	2 145.00	19.191	
	High	2 170.00	19.289	
3	QPSK	Low	2 120.00	19.185
		Middle	2 145.00	19.238
		High	2 170.00	19.188
	16QAM	Low	2 120.00	19.139
		Middle	2 145.00	19.164
		High	2 170.00	19.276
	64QAM	Low	2 120.00	19.294
		Middle	2 145.00	19.196
		High	2 170.00	19.227
256QAM	Low	2 120.00	19.229	
	Middle	2 145.00	19.248	
	High	2 170.00	19.198	

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 130.00	38.918
		Middle	2 145.00	38.846
		High	2 160.00	38.900
	16QAM	Low	2 130.00	38.880
		Middle	2 145.00	38.950
		High	2 160.00	38.835
	64QAM	Low	2 130.00	38.889
		Middle	2 145.00	38.871
		High	2 160.00	38.811
	256QAM	Low	2 130.00	38.797
		Middle	2 145.00	38.873
		High	2 160.00	38.918
1	QPSK	Low	2 130.00	38.798
		Middle	2 145.00	38.884
		High	2 160.00	38.833
	16QAM	Low	2 130.00	38.880
		Middle	2 145.00	38.907
		High	2 160.00	38.872
	64QAM	Low	2 130.00	38.859
		Middle	2 145.00	38.891
		High	2 160.00	38.917
	256QAM	Low	2 130.00	38.801
		Middle	2 145.00	38.783
		High	2 160.00	38.909



2	QPSK	Low	2 130.00	38.907
		Middle	2 145.00	38.836
		High	2 160.00	38.910
	16QAM	Low	2 130.00	38.957
		Middle	2 145.00	39.022
		High	2 160.00	38.795
	64QAM	Low	2 130.00	38.892
		Middle	2 145.00	38.857
		High	2 160.00	38.892
256QAM	Low	2 130.00	38.844	
	Middle	2 145.00	38.835	
	High	2 160.00	38.933	
3	QPSK	Low	2 130.00	38.781
		Middle	2 145.00	38.919
		High	2 160.00	38.888
	16QAM	Low	2 130.00	38.972
		Middle	2 145.00	38.917
		High	2 160.00	38.832
	64QAM	Low	2 130.00	38.834
		Middle	2 145.00	38.926
		High	2 160.00	38.896
256QAM	Low	2 130.00	38.882	
	Middle	2 145.00	38.915	
	High	2 160.00	38.784	

## (4 Port) DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [3 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 125.00	28.999
		Middle	2 145.00	28.926
		High	2 165.00	28.988
	16QAM	Low	2 125.00	28.960
		Middle	2 145.00	28.977
		High	2 165.00	28.921
	64QAM	Low	2 125.00	29.066
		Middle	2 145.00	28.918
		High	2 165.00	28.948
256QAM	Low	2 125.00	28.899	
	Middle	2 145.00	28.963	
	High	2 165.00	29.006	
1	QPSK	Low	2 125.00	28.982
		Middle	2 145.00	28.939
		High	2 165.00	28.988
	16QAM	Low	2 125.00	28.946
		Middle	2 145.00	28.984
		High	2 165.00	28.911
	64QAM	Low	2 125.00	28.895
		Middle	2 145.00	28.971
		High	2 165.00	28.986
256QAM	Low	2 125.00	28.940	
	Middle	2 145.00	28.983	
	High	2 165.00	29.037	

2	QPSK	Low	2 125.00	28.929
		Middle	2 145.00	29.057
		High	2 165.00	29.001
	16QAM	Low	2 125.00	28.857
		Middle	2 145.00	28.926
		High	2 165.00	28.995
	64QAM	Low	2 125.00	29.019
		Middle	2 145.00	29.038
		High	2 165.00	29.019
256QAM	Low	2 125.00	28.878	
	Middle	2 145.00	28.982	
	High	2 165.00	28.998	
3	QPSK	Low	2 125.00	29.014
		Middle	2 145.00	29.040
		High	2 165.00	28.956
	16QAM	Low	2 125.00	28.994
		Middle	2 145.00	28.995
		High	2 165.00	28.958
	64QAM	Low	2 125.00	28.990
		Middle	2 145.00	29.058
		High	2 165.00	29.081
256QAM	Low	2 125.00	28.946	
	Middle	2 145.00	29.006	
	High	2 165.00	28.955	

## (4 Port) DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 20 MHz 1 Carrier [3 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 130.00	38.549
		Middle	2 145.00	38.738
		High	2 160.00	38.798
	16QAM	Low	2 130.00	38.417
		Middle	2 145.00	38.711
		High	2 160.00	38.643
	64QAM	Low	2 130.00	38.604
		Middle	2 145.00	38.734
		High	2 160.00	38.765
	256QAM	Low	2 130.00	38.666
		Middle	2 145.00	38.746
		High	2 160.00	38.783
1	QPSK	Low	2 130.00	38.679
		Middle	2 145.00	38.765
		High	2 160.00	38.714
	16QAM	Low	2 130.00	38.401
		Middle	2 145.00	38.685
		High	2 160.00	38.710
	64QAM	Low	2 130.00	38.739
		Middle	2 145.00	38.715
		High	2 160.00	38.810
	256QAM	Low	2 130.00	38.724
		Middle	2 145.00	38.684
		High	2 160.00	38.722

2	QPSK	Low	2 130.00	38.686
		Middle	2 145.00	38.630
		High	2 160.00	38.705
	16QAM	Low	2 130.00	38.416
		Middle	2 145.00	38.779
		High	2 160.00	38.701
	64QAM	Low	2 130.00	38.662
		Middle	2 145.00	38.765
		High	2 160.00	38.767
256QAM	Low	2 130.00	38.775	
	Middle	2 145.00	38.631	
	High	2 160.00	38.623	
3	QPSK	Low	2 130.00	38.701
		Middle	2 145.00	38.691
		High	2 160.00	38.624
	16QAM	Low	2 130.00	38.473
		Middle	2 145.00	38.740
		High	2 160.00	38.757
	64QAM	Low	2 130.00	38.644
		Middle	2 145.00	38.749
		High	2 160.00	38.743
256QAM	Low	2 130.00	38.675	
	Middle	2 145.00	38.682	
	High	2 160.00	38.468	

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 120.00	19.384
		Middle	2 145.00	19.421
		High	2 170.00	19.370
	16QAM	Low	2 120.00	19.317
		Middle	2 145.00	19.351
		High	2 170.00	19.432
	64QAM	Low	2 120.00	19.422
		Middle	2 145.00	19.438
		High	2 170.00	19.434
	256QAM	Low	2 120.00	19.407
		Middle	2 145.00	19.423
		High	2 170.00	19.409
1	QPSK	Low	2 120.00	19.426
		Middle	2 145.00	19.392
		High	2 170.00	19.434
	16QAM	Low	2 120.00	19.327
		Middle	2 145.00	19.377
		High	2 170.00	19.429
	64QAM	Low	2 120.00	19.390
		Middle	2 145.00	19.436
		High	2 170.00	19.379
	256QAM	Low	2 120.00	19.419
		Middle	2 145.00	19.413
		High	2 170.00	19.384

2	QPSK	Low	2 120.00	19.380
		Middle	2 145.00	19.440
		High	2 170.00	19.375
	16QAM	Low	2 120.00	19.323
		Middle	2 145.00	19.328
		High	2 170.00	19.467
	64QAM	Low	2 120.00	19.397
		Middle	2 145.00	19.402
		High	2 170.00	19.414
256QAM	Low	2 120.00	19.382	
	Middle	2 145.00	19.407	
	High	2 170.00	19.436	
3	QPSK	Low	2 120.00	19.366
		Middle	2 145.00	19.377
		High	2 170.00	19.399
	16QAM	Low	2 120.00	19.396
		Middle	2 145.00	19.392
		High	2 170.00	19.473
	64QAM	Low	2 120.00	19.398
		Middle	2 145.00	19.437
		High	2 170.00	19.419
256QAM	Low	2 120.00	19.410	
	Middle	2 145.00	19.384	
	High	2 170.00	19.407	

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 130.00	39.042
		Middle	2 145.00	39.025
		High	2 160.00	39.071
	16QAM	Low	2 130.00	39.087
		Middle	2 145.00	39.183
		High	2 160.00	39.101
	64QAM	Low	2 130.00	39.106
		Middle	2 145.00	39.129
		High	2 160.00	39.049
	256QAM	Low	2 130.00	39.024
		Middle	2 145.00	39.069
		High	2 160.00	39.018
1	QPSK	Low	2 130.00	39.003
		Middle	2 145.00	39.047
		High	2 160.00	39.048
	16QAM	Low	2 130.00	39.065
		Middle	2 145.00	39.162
		High	2 160.00	39.107
	64QAM	Low	2 130.00	39.077
		Middle	2 145.00	39.090
		High	2 160.00	39.017
	256QAM	Low	2 130.00	39.035
		Middle	2 145.00	39.102
		High	2 160.00	38.955



2	QPSK	Low	2 130.00	39.062
		Middle	2 145.00	39.135
		High	2 160.00	39.092
	16QAM	Low	2 130.00	39.115
		Middle	2 145.00	39.189
		High	2 160.00	39.028
	64QAM	Low	2 130.00	39.050
		Middle	2 145.00	39.014
		High	2 160.00	39.106
256QAM	Low	2 130.00	39.028	
	Middle	2 145.00	39.025	
	High	2 160.00	39.028	
3	QPSK	Low	2 130.00	39.075
		Middle	2 145.00	39.099
		High	2 160.00	39.020
	16QAM	Low	2 130.00	39.109
		Middle	2 145.00	39.120
		High	2 160.00	39.054
	64QAM	Low	2 130.00	39.133
		Middle	2 145.00	39.021
		High	2 160.00	39.070
256QAM	Low	2 130.00	39.065	
	Middle	2 145.00	39.095	
	High	2 160.00	39.045	

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 122.50	24.129
		Middle	2 145.00	24.207
		High	2 167.50	24.239
	16QAM	Low	2 122.50	24.163
		Middle	2 145.00	24.141
		High	2 167.50	24.248
	64QAM	Low	2 122.50	24.154
		Middle	2 145.00	24.161
		High	2 167.50	24.259
	256QAM	Low	2 122.50	24.199
		Middle	2 145.00	24.266
		High	2 167.50	24.173
1	QPSK	Low	2 122.50	24.187
		Middle	2 145.00	24.150
		High	2 167.50	24.131
	16QAM	Low	2 122.50	24.106
		Middle	2 145.00	24.139
		High	2 167.50	24.167
	64QAM	Low	2 122.50	24.257
		Middle	2 145.00	24.221
		High	2 167.50	24.195
	256QAM	Low	2 122.50	24.129
		Middle	2 145.00	24.176
		High	2 167.50	24.190

2	QPSK	Low	2 122.50	24.195
		Middle	2 145.00	24.228
		High	2 167.50	24.204
	16QAM	Low	2 122.50	24.075
		Middle	2 145.00	24.128
		High	2 167.50	24.194
	64QAM	Low	2 122.50	24.147
		Middle	2 145.00	24.155
		High	2 167.50	24.197
256QAM	Low	2 122.50	24.117	
	Middle	2 145.00	24.130	
	High	2 167.50	24.146	
3	QPSK	Low	2 122.50	24.211
		Middle	2 145.00	24.262
		High	2 167.50	24.204
	16QAM	Low	2 122.50	24.190
		Middle	2 145.00	24.145
		High	2 167.50	24.155
	64QAM	Low	2 122.50	24.160
		Middle	2 145.00	24.177
		High	2 167.50	24.213
256QAM	Low	2 122.50	24.231	
	Middle	2 145.00	24.280	
	High	2 167.50	24.202	

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 130.00	34.217
		Middle	2 145.00	38.787
		High	2 160.00	39.016
	16QAM	Low	2 130.00	38.824
		Middle	2 145.00	38.997
		High	2 160.00	38.928
	64QAM	Low	2 130.00	38.914
		Middle	2 145.00	38.996
		High	2 160.00	38.939
	256QAM	Low	2 130.00	38.869
		Middle	2 145.00	38.846
		High	2 160.00	38.897
1	QPSK	Low	2 130.00	38.857
		Middle	2 145.00	38.874
		High	2 160.00	38.856
	16QAM	Low	2 130.00	39.012
		Middle	2 145.00	38.910
		High	2 160.00	38.884
	64QAM	Low	2 130.00	38.848
		Middle	2 145.00	38.961
		High	2 160.00	38.854
	256QAM	Low	2 130.00	38.769
		Middle	2 145.00	38.989
		High	2 160.00	38.918

2	QPSK	Low	2 130.00	38.819
		Middle	2 145.00	38.871
		High	2 160.00	38.936
	16QAM	Low	2 130.00	38.943
		Middle	2 145.00	39.024
		High	2 160.00	38.919
	64QAM	Low	2 130.00	38.803
		Middle	2 145.00	39.059
		High	2 160.00	38.873
256QAM	Low	2 130.00	38.877	
	Middle	2 145.00	38.766	
	High	2 160.00	38.871	
3	QPSK	Low	2 130.00	38.814
		Middle	2 145.00	38.822
		High	2 160.00	38.836
	16QAM	Low	2 130.00	38.858
		Middle	2 145.00	38.900
		High	2 160.00	38.831
	64QAM	Low	2 130.00	38.969
		Middle	2 145.00	38.981
		High	2 160.00	38.847
256QAM	Low	2 130.00	38.922	
	Middle	2 145.00	38.809	
	High	2 160.00	38.964	

(4 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier

[4 Carrier

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 125.00	29.161
		Middle	2 145.00	29.196
		High	2 165.00	29.198
	16QAM	Low	2 125.00	29.054
		Middle	2 145.00	29.108
		High	2 165.00	29.137
	64QAM	Low	2 125.00	29.193
		Middle	2 145.00	29.179
		High	2 165.00	29.189
	256QAM	Low	2 125.00	29.181
		Middle	2 145.00	29.124
		High	2 165.00	29.166
1	QPSK	Low	2 125.00	29.148
		Middle	2 145.00	29.210
		High	2 165.00	29.181
	16QAM	Low	2 125.00	29.079
		Middle	2 145.00	29.140
		High	2 165.00	29.141
	64QAM	Low	2 125.00	29.089
		Middle	2 145.00	29.181
		High	2 165.00	29.142
	256QAM	Low	2 125.00	29.164
		Middle	2 145.00	29.181
		High	2 165.00	29.086

2	QPSK	Low	2 125.00	29.119
		Middle	2 145.00	29.189
		High	2 165.00	29.174
	16QAM	Low	2 125.00	29.081
		Middle	2 145.00	29.119
		High	2 165.00	29.129
	64QAM	Low	2 125.00	29.183
		Middle	2 145.00	29.160
		High	2 165.00	29.247
256QAM	Low	2 125.00	29.094	
	Middle	2 145.00	29.296	
	High	2 165.00	29.206	
3	QPSK	Low	2 125.00	29.210
		Middle	2 145.00	29.141
		High	2 165.00	29.152
	16QAM	Low	2 125.00	29.130
		Middle	2 145.00	29.045
		High	2 165.00	29.128
	64QAM	Low	2 125.00	29.123
		Middle	2 145.00	29.270
		High	2 165.00	29.177
256QAM	Low	2 125.00	29.136	
	Middle	2 145.00	29.276	
	High	2 165.00	29.196	

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 130.00	38.752
		Middle	2 145.00	38.869
		High	2 160.00	38.914
	16QAM	Low	2 130.00	38.978
		Middle	2 145.00	38.918
		High	2 160.00	38.931
	64QAM	Low	2 130.00	38.888
		Middle	2 145.00	38.990
		High	2 160.00	38.993
	256QAM	Low	2 130.00	38.944
		Middle	2 145.00	38.927
		High	2 160.00	39.068
1	QPSK	Low	2 130.00	38.868
		Middle	2 145.00	38.882
		High	2 160.00	38.892
	16QAM	Low	2 130.00	38.898
		Middle	2 145.00	38.887
		High	2 160.00	38.892
	64QAM	Low	2 130.00	38.778
		Middle	2 145.00	38.710
		High	2 160.00	38.932
	256QAM	Low	2 130.00	38.889
		Middle	2 145.00	38.931
		High	2 160.00	38.770



2	QPSK	Low	2 130.00	38.867
		Middle	2 145.00	38.876
		High	2 160.00	38.953
	16QAM	Low	2 130.00	39.053
		Middle	2 145.00	38.942
		High	2 160.00	38.732
	64QAM	Low	2 130.00	38.951
		Middle	2 145.00	38.936
		High	2 160.00	38.923
256QAM	Low	2 130.00	38.886	
	Middle	2 145.00	38.932	
	High	2 160.00	39.029	
3	QPSK	Low	2 130.00	38.938
		Middle	2 145.00	38.770
		High	2 160.00	38.957
	16QAM	Low	2 130.00	38.824
		Middle	2 145.00	38.995
		High	2 160.00	38.926
	64QAM	Low	2 130.00	38.904
		Middle	2 145.00	38.883
		High	2 160.00	39.022
256QAM	Low	2 130.00	38.876	
	Middle	2 145.00	38.862	
	High	2 160.00	38.919	

**Tabular Data of Non-Contiguous Occupied Bandwidth**

**(2 Port) DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [2 Carrier]**

Ant	Mod	DSS B2 10 MHz		DSS B2 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 935.00	9.2130	1 985.00	9.2564	18.469
	16QAM	1 935.00	9.1462	1 985.00	9.0880	18.234
	64QAM	1 935.00	9.2388	1 985.00	9.2527	18.492
	256QAM	1 935.00	9.2096	1 985.00	9.1526	18.362
1	QPSK	1 935.00	9.2057	1 985.00	9.2213	18.427
	16QAM	1 935.00	9.1314	1 985.00	9.1357	18.267
	64QAM	1 935.00	9.2364	1 985.00	9.1678	18.404
	256QAM	1 935.00	9.1120	1 985.00	9.2018	18.314

**(2 Port) LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier] [1C+2C]**

Ant	Mod	LTE B2 5 MHz		5G NR n2 5 MHz + DSS B2 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 932.50	4.5057	1 982.50	14.275	18.781
	16QAM	1 932.50	4.4722	1 982.50	14.236	18.708
	64QAM	1 932.50	4.5082	1 982.50	14.360	18.868
	256QAM	1 932.50	4.4996	1 982.50	14.271	18.771
1	QPSK	1 932.50	4.4977	1 982.50	14.281	18.778
	16QAM	1 932.50	4.4837	1 982.50	14.226	18.710
	64QAM	1 932.50	4.5021	1 982.50	14.298	18.800
	256QAM	1 932.50	4.5073	1 982.50	14.349	18.856

**(2 Port) LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier] [2C+1C]**

Ant	Mod	LTE B2 5 MHz + 5G NR n2 5 MHz		DSS B2 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 935.00	9.4556	1 985.00	9.1940	18.650
	16QAM	1 935.00	9.4911	1 985.00	9.1021	18.593
	64QAM	1 935.00	9.4755	1 985.00	9.2289	18.704
	256QAM	1 935.00	9.4784	1 985.00	9.1316	18.610
1	QPSK	1 935.00	9.4753	1 985.00	9.2040	18.679
	16QAM	1 935.00	9.4856	1 985.00	9.0882	18.574
	64QAM	1 935.00	9.4798	1 985.00	9.2413	18.721
	256QAM	1 935.00	9.4630	1 985.00	9.2372	18.700

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

Ant	Mod	LTE B2 5 MHz		5G NR n2 5 MHz + DSS B2 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 932.50	4.4905	1 977.50	24.031	28.522
	16QAM	1 932.50	4.4830	1 977.50	24.120	28.603
	64QAM	1 932.50	4.4973	1 977.50	24.040	28.537
	256QAM	1 932.50	4.5009	1 977.50	24.117	28.618
1	QPSK	1 932.50	4.4993	1 977.50	24.070	28.570
	16QAM	1 932.50	4.4973	1 977.50	24.135	28.633
	64QAM	1 932.50	4.5053	1 977.50	24.163	28.668
	256QAM	1 932.50	4.5154	1 977.50	24.032	28.548

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

Ant	Mod	LTE B2 5 MHz + 5G NR n2 5 MHz		DSS B2 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 935.00	9.4573	1 980.00	18.616	28.074
	16QAM	1 935.00	9.4762	1 980.00	18.723	28.199
	64QAM	1 935.00	9.4626	1 980.00	18.795	28.257
	256QAM	1 935.00	9.4631	1 980.00	18.857	28.320
1	QPSK	1 935.00	9.4635	1 980.00	18.712	28.176
	16QAM	1 935.00	9.5003	1 980.00	18.824	28.324
	64QAM	1 935.00	9.4461	1 980.00	18.661	28.107
	256QAM	1 935.00	9.4540	1 980.00	18.792	28.246

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

Ant	Mod	5G NR n2 5 MHz		5G NR n2 5 MHz + 5G NR n2 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 932.50	4.4859	1 985.00	9.4508	13.937
	16QAM	1 932.50	4.5215	1 985.00	9.5040	14.026
	64QAM	1 932.50	4.4867	1 985.00	9.4555	13.942
	256QAM	1 932.50	4.4864	1 985.00	9.4363	13.923
1	QPSK	1 932.50	4.4840	1 985.00	9.4675	13.952
	16QAM	1 932.50	4.5215	1 985.00	9.4982	14.020
	64QAM	1 932.50	4.4870	1 985.00	9.4597	13.947
	256QAM	1 932.50	4.4874	1 985.00	9.4684	13.956

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

Ant	Mod	5G NR n2 5 MHz + 5G NR n2 5 MHz		5G NR n2 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 935.00	9.4572	1 987.50	4.4872	13.944
	16QAM	1 935.00	9.4815	1 987.50	4.4959	13.977
	64QAM	1 935.00	9.4746	1 987.50	4.4828	13.957
	256QAM	1 935.00	9.4773	1 987.50	4.4821	13.959
1	QPSK	1 935.00	9.4525	1 987.50	4.4815	13.934
	16QAM	1 935.00	9.4719	1 987.50	4.5040	13.976
	64QAM	1 935.00	9.4620	1 987.50	4.4866	13.949
	256QAM	1 935.00	9.4767	1 987.50	4.4873	13.964

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

Ant	Mod	5G NR n2 5 MHz		5G NR n2 5 MHz + 5G NR n2 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 932.50	4.4840	1 977.50	24.165	28.649
	16QAM	1 932.50	4.5010	1 977.50	24.203	28.704
	64QAM	1 932.50	4.4843	1 977.50	24.147	28.631
	256QAM	1 932.50	4.4888	1 977.50	24.154	28.642
1	QPSK	1 932.50	4.4802	1 977.50	24.142	28.622
	16QAM	1 932.50	4.5044	1 977.50	24.265	28.769
	64QAM	1 932.50	4.4811	1 977.50	24.148	28.629
	256QAM	1 932.50	4.4885	1 977.50	24.213	28.701

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

Ant	Mod	5G NR n2 5 MHz + 5G NR n2 5 MHz		5G NR n2 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 935.00	9.4534	1 980.00	18.927	28.380
	16QAM	1 935.00	9.4864	1 980.00	18.976	28.462
	64QAM	1 935.00	9.4620	1 980.00	18.934	28.396
	256QAM	1 935.00	9.4617	1 980.00	19.002	28.463
1	QPSK	1 935.00	9.4729	1 980.00	18.886	28.359
	16QAM	1 935.00	9.4964	1 980.00	19.046	28.543
	64QAM	1 935.00	9.4605	1 980.00	18.949	28.410
	256QAM	1 935.00	9.4590	1 980.00	18.980	28.439

**(2 Port) 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier] [1C+2C]**

Ant	Mod	5G NR n2 5 MHz		5G NR n2 5 MHz + DSS B2 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 932.50	4.4938	1 982.50	14.300	18.794
	16QAM	1 932.50	4.5029	1 982.50	14.164	18.667
	64QAM	1 932.50	4.4982	1 982.50	14.244	18.742
	256QAM	1 932.50	4.4818	1 982.50	14.320	18.802
1	QPSK	1 932.50	4.4864	1 982.50	14.326	18.812
	16QAM	1 932.50	4.5132	1 982.50	14.207	18.721
	64QAM	1 932.50	4.4996	1 982.50	14.265	18.764
	256QAM	1 932.50	4.4822	1 982.50	14.270	18.752

**(2 Port) 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier] [2C+1C]**

Ant	Mod	5G NR n2 5 MHz + 5G NR n2 5 MHz		DSS B2 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 935.00	9.4711	1 985.00	9.2367	18.708
	16QAM	1 935.00	9.4835	1 985.00	9.0617	18.545
	64QAM	1 935.00	9.4938	1 985.00	9.2160	18.710
	256QAM	1 935.00	9.4602	1 985.00	9.2055	18.666
1	QPSK	1 935.00	9.4611	1 985.00	9.2213	18.682
	16QAM	1 935.00	9.4856	1 985.00	9.1099	18.596
	64QAM	1 935.00	9.4592	1 985.00	9.2052	18.664
	256QAM	1 935.00	9.4401	1 985.00	9.2381	18.678

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

Ant	Mod	5G NR n2 5 MHz		5G NR n2 5 MHz + DSS B2 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 932.50	4.4876	1 977.50	24.061	28.549
	16QAM	1 932.50	4.5002	1 977.50	23.651	28.151
	64QAM	1 932.50	4.4985	1 977.50	24.055	28.553
	256QAM	1 932.50	4.4878	1 977.50	24.044	28.532
1	QPSK	1 932.50	4.4810	1 977.50	24.082	28.563
	16QAM	1 932.50	4.5045	1 977.50	23.649	28.153
	64QAM	1 932.50	4.4912	1 977.50	23.991	28.483
	256QAM	1 932.50	4.4907	1 977.50	24.170	28.661

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

Ant	Mod	5G NR n2 5 MHz + 5G NR n2 5 MHz		DSS B2 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 935.00	9.4519	1 980.00	18.797	28.249
	16QAM	1 935.00	9.4777	1 980.00	18.732	28.210
	64QAM	1 935.00	9.4729	1 980.00	18.756	28.229
	256QAM	1 935.00	9.4552	1 980.00	18.730	28.185
1	QPSK	1 935.00	9.4455	1 980.00	18.864	28.310
	16QAM	1 935.00	9.5015	1 980.00	18.815	28.316
	64QAM	1 935.00	9.4328	1 980.00	18.771	28.204
	256QAM	1 935.00	9.4549	1 980.00	18.727	28.182



**(2 Port) DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier] [1C+2C]**

Ant	Mod	DSS B2 10 MHz		DSS B2 10 MHz + DSS B2 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 935.00	9.2248	1 980.00	19.034	28.259
	16QAM	1 935.00	9.1183	1 980.00	18.983	28.101
	64QAM	1 935.00	9.2219	1 980.00	19.115	28.337
	256QAM	1 935.00	9.2127	1 980.00	19.038	28.251
1	QPSK	1 935.00	9.2067	1 980.00	19.038	28.245
	16QAM	1 935.00	9.0880	1 980.00	19.000	28.088
	64QAM	1 935.00	9.2547	1 980.00	19.087	28.341
	256QAM	1 935.00	9.2240	1 980.00	19.067	28.291

**(2 Port) DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier] [2C+1C]**

Ant	Mod	DSS B2 10 MHz + DSS B2 10 MHz		DSS B2 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 940.00	19.061	1 985.00	9.1765	28.238
	16QAM	1 940.00	19.000	1 985.00	9.0943	28.095
	64QAM	1 940.00	19.107	1 985.00	9.2321	28.340
	256QAM	1 940.00	19.114	1 985.00	9.1891	28.303
1	QPSK	1 940.00	19.030	1 985.00	9.1482	28.178
	16QAM	1 940.00	18.959	1 985.00	9.1444	28.104
	64QAM	1 940.00	19.106	1 985.00	9.3218	28.428
	256QAM	1 940.00	19.064	1 985.00	9.2604	28.325

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

Ant	Mod	5G NR n66 5 MHz		5G NR n66 5 MHz + 5G NR n66 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 112.50	4.4782	2 175.00	9.4580	13.936
	16QAM	2 112.50	4.5105	2 175.00	9.4838	13.994
	64QAM	2 112.50	4.4904	2 175.00	9.4692	13.960
	256QAM	2 112.50	4.4846	2 175.00	9.4682	13.953
1	QPSK	2 112.50	4.4848	2 175.00	9.4466	13.931
	16QAM	2 112.50	4.4970	2 175.00	9.4905	13.987
	64QAM	2 112.50	4.4891	2 175.00	9.4548	13.944
	256QAM	2 112.50	4.4775	2 175.00	9.4717	13.949

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

Ant	Mod	5G NR n66 5 MHz + 5G NR n66 5 MHz		5G NR n66 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 115.00	9.4313	2 177.50	4.4922	13.923
	16QAM	2 115.00	9.4801	2 177.50	4.5015	13.982
	64QAM	2 115.00	9.4280	2 177.50	4.4905	13.918
	256QAM	2 115.00	9.4595	2 177.50	4.4959	13.955
1	QPSK	2 112.50	4.4848	2 175.00	9.4466	13.931
	16QAM	2 115.00	9.4881	2 177.50	4.5043	13.992
	64QAM	2 115.00	9.4370	2 177.50	4.4761	13.913
	256QAM	2 115.00	9.4791	2 177.50	4.4889	13.968

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

Ant	Mod	5G NR n66 10 MHz		5G NR n66 10 MHz + 5G NR n66 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 115.00	9.3125	2 165.00	29.072	38.385
	16QAM	2 115.00	9.2391	2 165.00	29.118	38.357
	64QAM	2 115.00	9.2994	2 165.00	29.064	38.364
	256QAM	2 115.00	9.3174	2 165.00	29.081	38.398
1	QPSK	2 115.00	9.3135	2 165.00	29.022	38.335
	16QAM	2 115.00	9.2434	2 165.00	29.145	38.388
	64QAM	2 115.00	9.3376	2 165.00	29.088	38.425
	256QAM	2 115.00	9.3398	2 165.00	29.034	38.373

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

Ant	Mod	5G NR n66 10 MHz + 5G NR n66 10 MHz		5G NR n66 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 120.00	19.224	2 170.00	18.992	38.216
	16QAM	2 120.00	19.106	2 170.00	19.047	38.153
	64QAM	2 120.00	19.240	2 170.00	18.973	38.213
	256QAM	2 120.00	19.263	2 170.00	18.985	38.249
1	QPSK	2 120.00	19.233	2 170.00	18.984	38.217
	16QAM	2 120.00	19.132	2 170.00	19.037	38.169
	64QAM	2 120.00	19.222	2 170.00	18.960	38.181
	256QAM	2 120.00	19.253	2 170.00	18.922	38.176

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

Ant	Mod	5G NR n66 5 MHz		5G NR n66 5 MHz + DSS B66 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 112.50	4.4789	2 172.50	14.256	18.735
	16QAM	2 112.50	4.5018	2 172.50	14.191	18.693
	64QAM	2 112.50	4.4867	2 172.50	14.264	18.750
	256QAM	2 112.50	4.4815	2 172.50	14.307	18.788
1	QPSK	2 112.50	4.4807	2 172.50	14.309	18.790
	16QAM	2 112.50	4.4937	2 172.50	14.213	18.706
	64QAM	2 112.50	4.4847	2 172.50	14.256	18.741
	256QAM	2 112.50	4.4822	2 172.50	14.269	18.751

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

Ant	Mod	5G NR n66 5 MHz + 5G NR n66 5 MHz		DSS B66 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 115.00	9.4446	2 175.00	9.2033	18.648
	16QAM	2 115.00	9.4805	2 175.00	9.0745	18.555
	64QAM	2 115.00	9.4664	2 175.00	9.2208	18.687
	256QAM	2 115.00	9.4501	2 175.00	9.2005	18.651
1	QPSK	2 115.00	9.4297	2 175.00	9.1971	18.627
	16QAM	2 115.00	9.5018	2 175.00	9.1766	18.678
	64QAM	2 115.00	9.4397	2 175.00	9.2203	18.660
	256QAM	2 115.00	9.4574	2 175.00	9.1939	18.651

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

Ant	Mod	DSS B66 10 MHz		5G NR n66 10 MHz + 5G NR n66 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 115.00	9.2268	2 165.00	29.026	38.253
	16QAM	2 115.00	9.1053	2 165.00	29.208	38.313
	64QAM	2 115.00	9.2071	2 165.00	29.110	38.317
	256QAM	2 115.00	9.2305	2 165.00	29.057	38.287
1	QPSK	2 115.00	9.2194	2 165.00	29.063	38.283
	16QAM	2 115.00	9.0758	2 165.00	29.128	38.203
	64QAM	2 115.00	9.2194	2 165.00	29.067	38.286
	256QAM	2 115.00	9.1646	2 165.00	29.095	38.260

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

Ant	Mod	DSS B66 10 MHz + 5G NR n66 10 MHz		5G NR n66 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 120.00	19.166	2 170.00	18.989	38.155
	16QAM	2 120.00	19.132	2 170.00	18.999	38.131
	64QAM	2 120.00	19.136	2 170.00	18.920	38.056
	256QAM	2 120.00	19.160	2 170.00	18.970	38.130
1	QPSK	2 120.00	19.170	2 170.00	18.975	38.145
	16QAM	2 120.00	19.134	2 170.00	19.042	38.176
	64QAM	2 120.00	19.191	2 170.00	18.995	38.186
	256QAM	2 120.00	19.145	2 170.00	19.014	38.159

**(2 Port) DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [3 Carrier] [1C+2C]**

Ant	Mod	DSS B66 10 MHz		DSS B66 10 MHz + DSS B66 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 115.00	8.9676	2 170.00	18.909	27.877
	16QAM	2 115.00	9.1159	2 170.00	19.039	28.155
	64QAM	2 115.00	9.2493	2 170.00	19.127	28.377
	256QAM	2 115.00	8.9755	2 170.00	19.126	28.102
1	QPSK	2 115.00	9.0059	2 170.00	18.969	27.975
	16QAM	2 115.00	9.0637	2 170.00	18.976	28.039
	64QAM	2 115.00	9.1869	2 170.00	19.117	28.304
	256QAM	2 115.00	8.9785	2 170.00	19.043	28.021

**(2 Port) DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [3 Carrier] [2C+1C]**

Ant	Mod	DSS B66 10 MHz + DSS B66 10 MHz		DSS B66 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 120.00	18.944	2 175.00	9.1642	28.108
	16QAM	2 120.00	18.943	2 175.00	9.0589	28.002
	64QAM	2 120.00	19.071	2 175.00	9.1991	28.270
	256QAM	2 120.00	19.086	2 175.00	9.2322	28.318
1	QPSK	2 120.00	19.007	2 175.00	9.3011	28.308
	16QAM	2 120.00	18.946	2 175.00	9.0761	28.022
	64QAM	2 120.00	18.992	2 175.00	9.2256	28.218
	256QAM	2 120.00	19.066	2 175.00	9.2256	28.291

**(2 Port) DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 20 MHz 1 Carrier [3 Carrier] [1C+2C]**

Ant	Mod	DSS B66 10 MHz		DSS B66 10 MHz + DSS B66 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 115.00	9.1990	2 165.00	28.872	38.071
	16QAM	2 115.00	9.1732	2 165.00	28.856	38.029
	64QAM	2 115.00	9.1914	2 165.00	28.771	37.962
	256QAM	2 115.00	9.2322	2 165.00	28.941	38.173
1	QPSK	2 115.00	9.1411	2 165.00	28.753	37.894
	16QAM	2 115.00	9.0853	2 165.00	28.862	37.947
	64QAM	2 115.00	9.2178	2 165.00	28.810	38.028
	256QAM	2 115.00	9.2285	2 165.00	28.804	38.033

**(2 Port) DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 20 MHz 1 Carrier [3 Carrier] [2C+1C]**

Ant	Mod	DSS B66 10 MHz + DSS B66 10 MHz		DSS B66 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 120.00	19.058	2 170.00	18.712	37.771
	16QAM	2 120.00	19.008	2 170.00	18.794	37.802
	64QAM	2 120.00	19.053	2 170.00	18.767	37.821
	256QAM	2 120.00	19.045	2 170.00	18.757	37.802
1	QPSK	2 120.00	19.000	2 170.00	18.767	37.767
	16QAM	2 120.00	19.029	2 170.00	18.875	37.904
	64QAM	2 120.00	19.064	2 170.00	18.818	37.882
	256QAM	2 120.00	19.082	2 170.00	18.794	37.875

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

Ant	Mod	LTE B66 5 MHz		5G NR n66 5 MHz + 5G NR n66 5 MHz + 5G NR n66 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 112.50	4.4819	2 172.50	14.426	18.908
	16QAM	2 112.50	4.4954	2 172.50	14.387	18.882
	64QAM	2 112.50	4.4886	2 172.50	14.465	18.953
	256QAM	2 112.50	4.4831	2 172.50	14.438	18.922
1	QPSK	2 112.50	4.4799	2 172.50	14.452	18.932
	16QAM	2 112.50	4.5009	2 172.50	14.444	18.945
	64QAM	2 112.50	4.4730	2 172.50	14.454	18.928
	256QAM	2 112.50	4.4977	2 172.50	14.410	18.908

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

Ant	Mod	LTE B66 5 MHz + 5G NR n66 5 MHz + 5G NR n66 5 MHz		5G NR n66 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 117.50	14.431	2 177.50	4.4812	18.912
	16QAM	2 117.50	14.382	2 177.50	4.5044	18.887
	64QAM	2 117.50	14.441	2 177.50	4.4796	18.921
	256QAM	2 117.50	14.450	2 177.50	4.4869	18.937
1	QPSK	2 117.50	14.440	2 177.50	4.4952	18.935
	16QAM	2 117.50	14.387	2 177.50	4.5032	18.890
	64QAM	2 117.50	14.477	2 177.50	4.4797	18.956
	256QAM	2 117.50	14.407	2 177.50	4.4873	18.895



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

Ant	Mod	LTE B66 5 MHz		5G NR n66 5 MHz + 5G NR n66 10 MHz + 5G NR n66 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 112.50	4.4911	2 162.50	34.127	38.618
	16QAM	2 112.50	4.4933	2 162.50	34.179	38.673
	64QAM	2 112.50	4.4960	2 162.50	34.086	38.582
	256QAM	2 112.50	4.4873	2 162.50	34.075	38.562
1	QPSK	2 112.50	4.4906	2 162.50	34.036	38.527
	16QAM	2 112.50	4.4994	2 162.50	34.110	38.609
	64QAM	2 112.50	4.4737	2 162.50	34.040	38.513
	256QAM	2 112.50	4.4878	2 162.50	34.117	38.605

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

Ant	Mod	LTE B66 5 MHz + 5G NR n66 5 MHz + 5G NR n66 10 MHz		5G NR n66 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 120.00	19.287	2 170.00	18.994	38.281
	16QAM	2 120.00	19.170	2 170.00	19.039	38.210
	64QAM	2 120.00	19.314	2 170.00	19.028	38.342
	256QAM	2 120.00	19.307	2 170.00	18.951	38.258
1	QPSK	2 120.00	19.306	2 170.00	18.935	38.240
	16QAM	2 120.00	19.133	2 170.00	19.072	38.205
	64QAM	2 120.00	19.310	2 170.00	18.977	38.288
	256QAM	2 120.00	19.294	2 170.00	19.007	38.301

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

Ant	Mod	LTE B66 5 MHz		5G NR n66 5 MHz + 5G NR n66 5 MHz + DSS B66 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 112.50	4.4870	2 170.00	19.183	23.670
	16QAM	2 112.50	4.4959	2 170.00	19.148	23.644
	64QAM	2 112.50	4.4898	2 170.00	19.157	23.646
	256QAM	2 112.50	4.4821	2 170.00	19.190	23.672
1	QPSK	2 112.50	4.4785	2 170.00	19.236	23.714
	16QAM	2 112.50	4.4940	2 170.00	19.178	23.672
	64QAM	2 112.50	4.4816	2 170.00	19.290	23.771
	256QAM	2 112.50	4.4838	2 170.00	19.242	23.726

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

Ant	Mod	LTE B66 5 MHz + 5G NR n66 5 MHz + 5G NR n66 5 MHz		DSS B66 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 117.50	14.465	2 175.00	9.2181	23.683
	16QAM	2 117.50	14.458	2 175.00	9.1078	23.566
	64QAM	2 117.50	14.462	2 175.00	9.2136	23.676
	256QAM	2 117.50	14.395	2 175.00	9.2274	23.622
1	QPSK	2 117.50	14.405	2 175.00	9.1638	23.569
	16QAM	2 117.50	14.435	2 175.00	9.0981	23.533
	64QAM	2 117.50	14.416	2 175.00	9.2385	23.654
	256QAM	2 117.50	14.459	2 175.00	9.2399	23.699

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

Ant	Mod	LTE B66 5 MHz		5G NR n66 5 MHz + DSS B66 10 MHz + DSS B66 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 112.50	4.4974	2 162.50	33.910	38.408
	16QAM	2 112.50	4.4819	2 162.50	33.998	38.480
	64QAM	2 112.50	4.4972	2 162.50	33.888	38.386
	256QAM	2 112.50	4.5087	2 162.50	33.939	38.448
1	QPSK	2 112.50	4.5065	2 162.50	33.865	38.372
	16QAM	2 112.50	4.4901	2 162.50	33.937	38.427
	64QAM	2 112.50	4.4971	2 162.50	33.949	38.446
	256QAM	2 112.50	4.5010	2 162.50	34.016	38.517

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

Ant	Mod	LTE B66 5 MHz + 5G NR n66 5 MHz + DSS B66 10 MHz		DSS B66 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 120.00	19.183	2 170.00	18.789	37.971
	16QAM	2 120.00	19.177	2 170.00	18.821	37.998
	64QAM	2 120.00	19.230	2 170.00	18.840	38.070
	256QAM	2 120.00	19.315	2 170.00	18.758	38.073
1	QPSK	2 120.00	19.218	2 170.00	18.751	37.969
	16QAM	2 120.00	19.147	2 170.00	18.758	37.905
	64QAM	2 120.00	19.185	2 170.00	18.766	37.951
	256QAM	2 120.00	19.224	2 170.00	18.832	38.056

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

Ant	Mod	LTE B66 5 MHz		LTE B66 5 MHz + DSS B66 10 MHz + DSS B66 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 112.50	4.5100	2 167.50	24.209	28.719
	16QAM	2 112.50	4.4785	2 167.50	24.142	28.620
	64QAM	2 112.50	4.5014	2 167.50	24.180	28.681
	256QAM	2 112.50	4.5060	2 167.50	24.175	28.681
1	QPSK	2 112.50	4.5113	2 167.50	24.213	28.724
	16QAM	2 112.50	4.4769	2 167.50	24.163	28.640
	64QAM	2 112.50	4.4992	2 167.50	24.214	28.713
	256QAM	2 112.50	4.5039	2 167.50	24.217	28.721

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

Ant	Mod	LTE B66 5 MHz + LTE B66 5 MHz + DSS B66 10 MHz		DSS B66 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 120.00	19.235	2 175.00	9.2846	28.520
	16QAM	2 120.00	19.165	2 175.00	9.0889	28.254
	64QAM	2 120.00	19.220	2 175.00	9.1649	28.385
	256QAM	2 120.00	19.161	2 175.00	9.2260	28.387
1	QPSK	2 120.00	19.238	2 175.00	9.1779	28.416
	16QAM	2 120.00	19.168	2 175.00	9.1329	28.301
	64QAM	2 120.00	19.201	2 175.00	9.1712	28.372
	256QAM	2 120.00	19.245	2 175.00	9.2302	28.475

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

Ant	Mod	LTE B66 5 MHz		LTE B66 5 MHz + DSS B66 10 MHz + DSS B66 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 112.50	4.5142	2 162.50	33.990	38.504
	16QAM	2 112.50	4.4750	2 162.50	33.964	38.439
	64QAM	2 112.50	4.4994	2 162.50	34.031	38.530
	256QAM	2 112.50	4.5018	2 162.50	33.979	38.481
1	QPSK	2 112.50	4.4999	2 162.50	33.995	38.495
	16QAM	2 112.50	4.4758	2 162.50	33.954	38.430
	64QAM	2 112.50	4.4959	2 162.50	33.960	38.456
	256QAM	2 112.50	4.4876	2 162.50	33.985	38.472

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

Ant	Mod	LTE B66 5 MHz + LTE B66 5 MHz + DSS B66 10 MHz		DSS B66 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 120.00	19.212	2 170.00	18.793	38.005
	16QAM	2 120.00	19.111	2 170.00	18.773	37.884
	64QAM	2 120.00	19.217	2 170.00	18.706	37.923
	256QAM	2 120.00	19.266	2 170.00	18.719	37.985
1	QPSK	2 120.00	19.185	2 170.00	18.879	38.064
	16QAM	2 120.00	19.184	2 170.00	18.885	38.068
	64QAM	2 120.00	19.205	2 170.00	18.714	37.918
	256QAM	2 120.00	19.265	2 170.00	18.784	38.049

**(4 Port) DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [2 Carrier]**

Ant	Mod	DSS B2 10 MHz		DSS B2 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 935.00	9.1994	1 985.00	9.2634	18.463
	16QAM	1 935.00	9.0279	1 985.00	9.0637	18.092
	64QAM	1 935.00	9.1694	1 985.00	9.2591	18.429
	256QAM	1 935.00	9.2019	1 985.00	9.2253	18.427
1	QPSK	1 935.00	9.1957	1 985.00	9.2388	18.435
	16QAM	1 935.00	9.1206	1 985.00	9.1469	18.268
	64QAM	1 935.00	9.2020	1 985.00	9.2567	18.459
	256QAM	1 935.00	9.1899	1 985.00	9.2077	18.398
2	QPSK	1 935.00	9.2015	1 985.00	9.2820	18.483
	16QAM	1 935.00	9.0843	1 985.00	9.1193	18.204
	64QAM	1 935.00	9.2831	1 985.00	9.1887	18.472
	256QAM	1 935.00	9.2079	1 985.00	9.2645	18.472
3	QPSK	1 935.00	9.2337	1 985.00	9.1646	18.398
	16QAM	1 935.00	9.1120	1 985.00	9.1223	18.234
	64QAM	1 935.00	9.1404	1 985.00	9.1559	18.296
	256QAM	1 935.00	9.2309	1 985.00	9.1747	18.406

**(4 Port) LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier] [1C+2C]**

Ant	Mod	LTE B2 5 MHz		5G NR n2 5 MHz + DSS B2 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 932.50	4.5061	1 982.50	14.235	18.742
	16QAM	1 932.50	4.4888	1 982.50	14.187	18.676
	64QAM	1 932.50	4.4942	1 982.50	14.322	18.817
	256QAM	1 932.50	4.5160	1 982.50	14.295	18.811
1	QPSK	1 932.50	4.5028	1 982.50	14.276	18.779
	16QAM	1 932.50	4.4857	1 982.50	14.198	18.684
	64QAM	1 932.50	4.5034	1 982.50	14.373	18.877
	256QAM	1 932.50	4.5148	1 982.50	14.353	18.868
2	QPSK	1 932.50	4.4936	1 982.50	14.277	18.770
	16QAM	1 932.50	4.4910	1 982.50	14.266	18.757
	64QAM	1 932.50	4.4894	1 982.50	14.302	18.791
	256QAM	1 932.50	4.5181	1 982.50	14.292	18.810
3	QPSK	1 932.50	4.5021	1 982.50	14.292	18.794
	16QAM	1 932.50	4.4806	1 982.50	14.249	18.730
	64QAM	1 932.50	4.5014	1 982.50	14.264	18.765
	256QAM	1 932.50	4.5113	1 982.50	14.284	18.795

**(4 Port) LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier] [2C+1C]**

Ant	Mod	LTE B2 5 MHz + 5G NR n2 5 MHz		DSS B2 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 935.00	9.4669	1 985.00	9.1522	18.619
	16QAM	1 935.00	9.4759	1 985.00	9.1301	18.606
	64QAM	1 935.00	9.4580	1 985.00	9.1764	18.634
	256QAM	1 935.00	9.4854	1 985.00	9.2564	18.742
1	QPSK	1 935.00	9.4529	1 985.00	9.2180	18.671
	16QAM	1 935.00	9.4891	1 985.00	9.1125	18.602
	64QAM	1 935.00	9.4590	1 985.00	9.2735	18.733
	256QAM	1 935.00	9.4918	1 985.00	9.2133	18.705
2	QPSK	1 935.00	9.4775	1 985.00	9.2591	18.737
	16QAM	1 935.00	9.4767	1 985.00	9.1866	18.663
	64QAM	1 935.00	9.4693	1 985.00	9.2223	18.692
	256QAM	1 935.00	9.4626	1 985.00	9.1838	18.646
3	QPSK	1 935.00	9.4755	1 985.00	9.2378	18.713
	16QAM	1 935.00	9.4906	1 985.00	9.1202	18.611
	64QAM	1 935.00	9.4575	1 985.00	9.1940	18.651
	256QAM	1 935.00	9.4737	1 985.00	9.2391	18.713



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

Ant	Mod	LTE B2 5 MHz		5G NR n2 5 MHz + DSS B2 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 932.50	4.5008	1 977.50	24.075	28.575
	16QAM	1 932.50	4.4702	1 977.50	24.044	28.514
	64QAM	1 932.50	4.4974	1 977.50	24.059	28.556
	256QAM	1 932.50	4.5152	1 977.50	24.022	28.537
1	QPSK	1 932.50	4.4982	1 977.50	24.023	28.521
	16QAM	1 932.50	4.4936	1 977.50	24.166	28.660
	64QAM	1 932.50	4.4924	1 977.50	24.099	28.592
	256QAM	1 932.50	4.5182	1 977.50	23.995	28.513
2	QPSK	1 932.50	4.4968	1 977.50	24.079	28.576
	16QAM	1 932.50	4.4879	1 977.50	24.078	28.566
	64QAM	1 932.50	4.5051	1 977.50	24.103	28.608
	256QAM	1 932.50	4.5063	1 977.50	24.027	28.533
3	QPSK	1 932.50	4.4963	1 977.50	24.072	28.569
	16QAM	1 932.50	4.4821	1 977.50	24.087	28.569
	64QAM	1 932.50	4.5040	1 977.50	24.074	28.578
	256QAM	1 932.50	4.5021	1 977.50	24.051	28.553

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

Ant	Mod	LTE B2 5 MHz + 5G NR n2 5 MHz		DSS B2 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 935.00	9.4452	1 980.00	18.874	28.319
	16QAM	1 935.00	9.5056	1 980.00	18.826	28.331
	64QAM	1 935.00	9.4713	1 980.00	18.819	28.290
	256QAM	1 935.00	9.4448	1 980.00	18.587	28.032
1	QPSK	1 935.00	9.4846	1 980.00	18.802	28.287
	16QAM	1 935.00	9.4887	1 980.00	18.805	28.293
	64QAM	1 935.00	9.4501	1 980.00	18.664	28.114
	256QAM	1 935.00	9.4945	1 980.00	18.806	28.300
2	QPSK	1 935.00	9.4344	1 980.00	18.815	28.249
	16QAM	1 935.00	9.5057	1 980.00	18.788	28.294
	64QAM	1 935.00	9.4651	1 980.00	18.788	28.253
	256QAM	1 935.00	9.4873	1 980.00	18.804	28.292
3	QPSK	1 935.00	9.4688	1 980.00	18.772	28.241
	16QAM	1 935.00	9.4910	1 980.00	18.793	28.284
	64QAM	1 935.00	9.4567	1 980.00	18.674	28.131
	256QAM	1 935.00	9.4675	1 980.00	18.824	28.292

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

Ant	Mod	5G NR n2 5 MHz		5G NR n2 5 MHz + 5G NR n2 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 932.50	4.4792	1 985.00	9.4469	13.926
	16QAM	1 932.50	4.5033	1 985.00	9.5129	14.016
	64QAM	1 932.50	4.4954	1 985.00	9.4577	13.953
	256QAM	1 932.50	4.4923	1 985.00	9.4682	13.961
1	QPSK	1 932.50	4.4819	1 985.00	9.4638	13.946
	16QAM	1 932.50	4.5038	1 985.00	9.4978	14.002
	64QAM	1 932.50	4.4872	1 985.00	9.4661	13.953
	256QAM	1 932.50	4.4949	1 985.00	9.4405	13.935
2	QPSK	1 932.50	4.4759	1 985.00	9.4461	13.922
	16QAM	1 932.50	4.5102	1 985.00	9.4776	13.988
	64QAM	1 932.50	4.4783	1 985.00	9.4272	13.905
	256QAM	1 932.50	4.4870	1 985.00	9.4535	13.940
3	QPSK	1 932.50	4.4834	1 985.00	9.4603	13.944
	16QAM	1 932.50	4.5200	1 985.00	9.5069	14.027
	64QAM	1 932.50	4.4931	1 985.00	9.4510	13.944
	256QAM	1 932.50	4.4856	1 985.00	9.4439	13.930

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

Ant	Mod	5G NR n2 5 MHz + 5G NR n2 5 MHz		5G NR n2 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 935.00	9.4552	1 987.50	4.4904	13.946
	16QAM	1 935.00	9.5018	1 987.50	4.5085	14.010
	64QAM	1 935.00	9.4503	1 987.50	4.4909	13.941
	256QAM	1 935.00	9.4583	1 987.50	4.4980	13.956
1	QPSK	1 935.00	9.4845	1 987.50	4.4803	13.965
	16QAM	1 935.00	9.5009	1 987.50	4.5070	14.008
	64QAM	1 935.00	9.4784	1 987.50	4.4868	13.965
	256QAM	1 935.00	9.4583	1 987.50	4.4856	13.944
2	QPSK	1 935.00	9.4640	1 987.50	4.4832	13.947
	16QAM	1 935.00	9.4901	1 987.50	4.4997	13.990
	64QAM	1 935.00	9.4785	1 987.50	4.4810	13.960
	256QAM	1 935.00	9.4491	1 987.50	4.4932	13.942
3	QPSK	1 935.00	9.4485	1 987.50	4.4822	13.931
	16QAM	1 935.00	9.4937	1 987.50	4.5079	14.002
	64QAM	1 935.00	9.4574	1 987.50	4.4894	13.947
	256QAM	1 935.00	9.4786	1 987.50	4.4931	13.972

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

Ant	Mod	5G NR n2 5 MHz		5G NR n2 5 MHz + 5G NR n2 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 932.50	4.4885	1 977.50	24.121	28.610
	16QAM	1 932.50	4.5090	1 977.50	24.252	28.761
	64QAM	1 932.50	4.4838	1 977.50	24.152	28.636
	256QAM	1 932.50	4.4875	1 977.50	24.170	28.657
1	QPSK	1 932.50	4.4850	1 977.50	24.143	28.628
	16QAM	1 932.50	4.5001	1 977.50	24.221	28.721
	64QAM	1 932.50	4.4749	1 977.50	24.115	28.590
	256QAM	1 932.50	4.5016	1 977.50	24.108	28.609
2	QPSK	1 932.50	4.4857	1 977.50	24.170	28.656
	16QAM	1 932.50	4.5169	1 977.50	24.222	28.739
	64QAM	1 932.50	4.4944	1 977.50	24.197	28.692
	256QAM	1 932.50	4.4866	1 977.50	24.127	28.613
3	QPSK	1 932.50	4.4855	1 977.50	24.160	28.646
	16QAM	1 932.50	4.5015	1 977.50	24.220	28.721
	64QAM	1 932.50	4.4964	1 977.50	24.131	28.627
	256QAM	1 932.50	4.4876	1 977.50	24.162	28.650

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

Ant	Mod	5G NR n2 5 MHz + 5G NR n2 5 MHz		5G NR n2 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 935.00	9.4759	1 980.00	18.938	28.414
	16QAM	1 935.00	9.4848	1 980.00	19.045	28.530
	64QAM	1 935.00	9.4680	1 980.00	18.986	28.454
	256QAM	1 935.00	9.4525	1 980.00	18.941	28.394
1	QPSK	1 935.00	9.4625	1 980.00	18.967	28.429
	16QAM	1 935.00	9.4690	1 980.00	19.023	28.492
	64QAM	1 935.00	9.4736	1 980.00	19.018	28.491
	256QAM	1 935.00	9.4639	1 980.00	18.971	28.435
2	QPSK	1 935.00	9.4361	1 980.00	18.969	28.405
	16QAM	1 935.00	9.4803	1 980.00	19.019	28.500
	64QAM	1 935.00	9.4545	1 980.00	18.929	28.384
	256QAM	1 935.00	9.4649	1 980.00	19.001	28.466
3	QPSK	1 935.00	9.4583	1 980.00	18.932	28.390
	16QAM	1 935.00	9.4816	1 980.00	19.049	28.531
	64QAM	1 935.00	9.4705	1 980.00	18.966	28.436
	256QAM	1 935.00	9.4627	1 980.00	18.933	28.396

**(4 Port) 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier] [1C+2C]**

Ant	Mod	5G NR n2 5 MHz		5G NR n2 5 MHz + DSS B2 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 932.50	4.4914	1 982.50	14.309	18.800
	16QAM	1 932.50	4.5088	1 982.50	14.225	18.734
	64QAM	1 932.50	4.5016	1 982.50	14.265	18.766
	256QAM	1 932.50	4.4910	1 982.50	14.300	18.791
1	QPSK	1 932.50	4.4919	1 982.50	14.288	18.780
	16QAM	1 932.50	4.5123	1 982.50	14.206	18.718
	64QAM	1 932.50	4.4888	1 982.50	14.316	18.805
	256QAM	1 932.50	4.4962	1 982.50	14.372	18.869
2	QPSK	1 932.50	4.4905	1 982.50	14.283	18.773
	16QAM	1 932.50	4.5072	1 982.50	14.242	18.749
	64QAM	1 932.50	4.4843	1 982.50	14.301	18.786
	256QAM	1 932.50	4.4882	1 982.50	14.294	18.782
3	QPSK	1 932.50	4.4884	1 982.50	14.278	18.766
	16QAM	1 932.50	4.5076	1 982.50	14.247	18.755
	64QAM	1 932.50	4.4851	1 982.50	14.241	18.726
	256QAM	1 932.50	4.4838	1 982.50	14.291	18.775

**(4 Port) 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier] [2C+1C]**

Ant	Mod	5G NR n2 5 MHz + 5G NR n2 5 MHz		DSS B2 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 935.00	9.4468	1 985.00	9.2259	18.673
	16QAM	1 935.00	9.4797	1 985.00	9.1442	18.624
	64QAM	1 935.00	9.4636	1 985.00	9.1994	18.663
	256QAM	1 935.00	9.4593	1 985.00	9.2231	18.682
1	QPSK	1 935.00	9.4337	1 985.00	9.1664	18.600
	16QAM	1 935.00	9.4884	1 985.00	9.1110	18.599
	64QAM	1 935.00	9.4723	1 985.00	9.1867	18.659
	256QAM	1 935.00	9.4725	1 985.00	9.1541	18.627
2	QPSK	1 935.00	9.4351	1 985.00	9.2194	18.655
	16QAM	1 935.00	9.5113	1 985.00	9.0821	18.593
	64QAM	1 935.00	9.4585	1 985.00	9.2311	18.690
	256QAM	1 935.00	9.4656	1 985.00	9.1025	18.568
3	QPSK	1 935.00	9.4680	1 985.00	9.1824	18.650
	16QAM	1 935.00	9.4873	1 985.00	9.1276	18.615
	64QAM	1 935.00	9.4628	1 985.00	9.2205	18.683
	256QAM	1 935.00	9.4491	1 985.00	9.2541	18.703



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

Ant	Mod	5G NR n2 5 MHz		5G NR n2 5 MHz + DSS B2 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 932.50	4.4918	1 977.50	24.043	28.535
	16QAM	1 932.50	4.5081	1 977.50	24.033	28.541
	64QAM	1 932.50	4.5009	1 977.50	24.028	28.529
	256QAM	1 932.50	4.4874	1 977.50	23.944	28.431
1	QPSK	1 932.50	4.4854	1 977.50	23.992	28.477
	16QAM	1 932.50	4.5098	1 977.50	24.131	28.641
	64QAM	1 932.50	4.5028	1 977.50	24.069	28.571
	256QAM	1 932.50	4.4866	1 977.50	24.130	28.617
2	QPSK	1 932.50	4.4904	1 977.50	24.039	28.529
	16QAM	1 932.50	4.5044	1 977.50	24.087	28.591
	64QAM	1 932.50	4.4905	1 977.50	24.059	28.550
	256QAM	1 932.50	4.4913	1 977.50	24.146	28.637
3	QPSK	1 932.50	4.4851	1 977.50	24.058	28.543
	16QAM	1 932.50	4.5135	1 977.50	24.117	28.630
	64QAM	1 932.50	4.5002	1 977.50	24.056	28.557
	256QAM	1 932.50	4.4859	1 977.50	24.001	28.487

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

Ant	Mod	5G NR n2 5 MHz + 5G NR n2 5 MHz		DSS B2 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 935.00	9.4892	1 980.00	18.810	28.300
	16QAM	1 935.00	9.4806	1 980.00	18.815	28.296
	64QAM	1 935.00	9.4850	1 980.00	18.832	28.317
	256QAM	1 935.00	9.4719	1 980.00	18.800	28.272
1	QPSK	1 935.00	9.4583	1 980.00	18.741	28.200
	16QAM	1 935.00	9.4975	1 980.00	18.798	28.295
	64QAM	1 935.00	9.4351	1 980.00	18.774	28.209
	256QAM	1 935.00	9.4710	1 980.00	18.737	28.208
2	QPSK	1 935.00	9.4461	1 980.00	18.811	28.257
	16QAM	1 935.00	9.4783	1 980.00	18.799	28.277
	64QAM	1 935.00	9.4544	1 980.00	18.869	28.323
	256QAM	1 935.00	9.4399	1 980.00	18.792	28.231
3	QPSK	1 935.00	9.4753	1 980.00	18.834	28.309
	16QAM	1 935.00	9.4747	1 980.00	18.743	28.218
	64QAM	1 935.00	9.4594	1 980.00	18.830	28.289
	256QAM	1 935.00	9.4615	1 980.00	18.762	28.223

**(4 Port) DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier] [1C+2C]**

Ant	Mod	DSS B2 10 MHz		DSS B2 10 MHz + DSS B2 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 935.00	9.2267	1 980.00	19.117	28.344
	16QAM	1 935.00	9.1052	1 980.00	18.946	28.052
	64QAM	1 935.00	9.2410	1 980.00	19.093	28.334
	256QAM	1 935.00	9.2598	1 980.00	19.079	28.339
1	QPSK	1 935.00	9.2338	1 980.00	19.010	28.244
	16QAM	1 935.00	9.0836	1 980.00	18.994	28.077
	64QAM	1 935.00	9.2612	1 980.00	19.047	28.308
	256QAM	1 935.00	9.1957	1 980.00	19.118	28.314
2	QPSK	1 935.00	9.1981	1 980.00	19.032	28.230
	16QAM	1 935.00	9.1492	1 980.00	18.966	28.115
	64QAM	1 935.00	9.3026	1 980.00	19.101	28.404
	256QAM	1 935.00	9.2230	1 980.00	19.104	28.327
3	QPSK	1 935.00	9.2075	1 980.00	19.138	28.346
	16QAM	1 935.00	9.0911	1 980.00	19.037	28.128
	64QAM	1 935.00	9.2384	1 980.00	19.105	28.343
	256QAM	1 935.00	9.2442	1 980.00	19.056	28.300

**(4 Port) DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier] [2C+1C]**

Ant	Mod	DSS B2 10 MHz + DSS B2 10 MHz		DSS B2 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 940.00	19.135	1 985.00	9.1880	28.323
	16QAM	1 940.00	19.056	1 985.00	9.1066	28.163
	64QAM	1 940.00	19.125	1 985.00	9.2925	28.417
	256QAM	1 940.00	19.139	1 985.00	9.2092	28.349
1	QPSK	1 940.00	19.072	1 985.00	9.1876	28.259
	16QAM	1 940.00	18.962	1 985.00	9.1365	28.099
	64QAM	1 940.00	18.999	1 985.00	9.1902	28.189
	256QAM	1 940.00	19.145	1 985.00	9.2451	28.390
2	QPSK	1 940.00	19.037	1 985.00	9.2180	28.255
	16QAM	1 940.00	18.945	1 985.00	9.1305	28.075
	64QAM	1 940.00	19.101	1 985.00	9.2280	28.329
	256QAM	1 940.00	19.101	1 985.00	9.1598	28.261
3	QPSK	1 940.00	19.123	1 985.00	9.1998	28.322
	16QAM	1 940.00	18.966	1 985.00	9.1497	28.116
	64QAM	1 940.00	19.070	1 985.00	9.2239	28.294
	256QAM	1 940.00	19.047	1 985.00	9.2270	28.274

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

Ant	Mod	5G NR n66 5 MHz		5G NR n66 5 MHz + 5G NR n66 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 112.50	4.4860	2 175.00	9.4633	13.949
	16QAM	2 112.50	4.5004	2 175.00	9.4941	13.995
	64QAM	2 112.50	4.4830	2 175.00	9.4781	13.961
	256QAM	2 112.50	4.4831	2 175.00	9.4481	13.931
1	QPSK	2 112.50	4.4736	2 175.00	9.4580	13.932
	16QAM	2 112.50	4.5073	2 175.00	9.4905	13.998
	64QAM	2 112.50	4.4867	2 175.00	9.4732	13.960
	256QAM	2 112.50	4.4981	2 175.00	9.4670	13.965
2	QPSK	2 112.50	4.4871	2 175.00	9.4564	13.943
	16QAM	2 112.50	4.5129	2 175.00	9.4912	14.004
	64QAM	2 112.50	4.4826	2 175.00	9.4594	13.942
	256QAM	2 112.50	4.4862	2 175.00	9.4854	13.972
3	QPSK	2 112.50	4.4904	2 175.00	9.4419	13.932
	16QAM	2 112.50	4.5094	2 175.00	9.5007	14.010
	64QAM	2 112.50	4.4829	2 175.00	9.4879	13.971
	256QAM	2 112.50	4.4771	2 175.00	9.4639	13.941

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

Ant	Mod	5G NR n66 5 MHz + 5G NR n66 5 MHz		5G NR n66 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 115.00	9.4427	2 177.50	4.4791	13.922
	16QAM	2 115.00	9.4857	2 177.50	4.5011	13.987
	64QAM	2 115.00	9.4523	2 177.50	4.4811	13.933
	256QAM	2 115.00	9.4592	2 177.50	4.4961	13.955
1	QPSK	2 115.00	9.4545	2 177.50	4.4911	13.946
	16QAM	2 115.00	9.4718	2 177.50	4.5224	13.994
	64QAM	2 115.00	9.4455	2 177.50	4.4972	13.943
	256QAM	2 115.00	9.4338	2 177.50	4.4952	13.929
2	QPSK	2 115.00	9.4355	2 177.50	4.4891	13.925
	16QAM	2 115.00	9.4998	2 177.50	4.5030	14.003
	64QAM	2 115.00	9.4411	2 177.50	4.4827	13.924
	256QAM	2 115.00	9.4514	2 177.50	4.4917	13.943
3	QPSK	2 115.00	9.4571	2 177.50	4.4967	13.954
	16QAM	2 115.00	9.5091	2 177.50	4.5146	14.024
	64QAM	2 115.00	9.4753	2 177.50	4.4984	13.974
	256QAM	2 115.00	9.4642	2 177.50	4.4992	13.963

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

Ant	Mod	5G NR n66 10 MHz		5G NR n66 10 MHz + 5G NR n66 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 115.00	9.3121	2 165.00	29.052	38.364
	16QAM	2 115.00	9.2529	2 165.00	29.133	38.386
	64QAM	2 115.00	9.2862	2 165.00	29.065	38.351
	256QAM	2 115.00	9.3275	2 165.00	29.041	38.369
1	QPSK	2 115.00	9.3073	2 165.00	29.055	38.363
	16QAM	2 115.00	9.2593	2 165.00	29.142	38.401
	64QAM	2 115.00	9.2826	2 165.00	29.063	38.346
	256QAM	2 115.00	9.3057	2 165.00	29.068	38.374
2	QPSK	2 115.00	9.3033	2 165.00	29.056	38.359
	16QAM	2 115.00	9.2635	2 165.00	29.140	38.403
	64QAM	2 115.00	9.3237	2 165.00	29.086	38.409
	256QAM	2 115.00	9.2994	2 165.00	29.048	38.347
3	QPSK	2 115.00	9.2990	2 165.00	29.072	38.371
	16QAM	2 115.00	9.2460	2 165.00	29.155	38.401
	64QAM	2 115.00	9.2832	2 165.00	29.049	38.332
	256QAM	2 115.00	9.304	2 165.00	29.099	38.403

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

Ant	Mod	5G NR n66 10 MHz + 5G NR n66 10 MHz		5G NR n66 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 120.00	19.206	2 170.00	18.903	38.109
	16QAM	2 120.00	19.169	2 170.00	19.036	38.205
	64QAM	2 120.00	19.246	2 170.00	18.982	38.229
	256QAM	2 120.00	19.229	2 170.00	18.973	38.202
1	QPSK	2 120.00	19.243	2 170.00	18.925	38.169
	16QAM	2 120.00	19.155	2 170.00	19.039	38.194
	64QAM	2 120.00	19.275	2 170.00	18.991	38.267
	256QAM	2 120.00	19.234	2 170.00	18.955	38.189
2	QPSK	2 120.00	19.272	2 170.00	18.987	38.259
	16QAM	2 120.00	19.103	2 170.00	19.056	38.159
	64QAM	2 120.00	19.215	2 170.00	18.980	38.195
	256QAM	2 120.00	19.230	2 170.00	19.007	38.236
3	QPSK	2 120.00	19.224	2 170.00	18.980	38.204
	16QAM	2 120.00	19.121	2 170.00	18.985	38.106
	64QAM	2 120.00	19.236	2 170.00	18.944	38.180
	256QAM	2 120.00	19.199	2 170.00	18.986	38.186



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

Ant	Mod	5G NR n66 5 MHz		5G NR n66 5 MHz + DSS B66 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 112.50	4.4818	2 172.50	14.297	18.779
	16QAM	2 112.50	4.4892	2 172.50	14.184	18.673
	64QAM	2 112.50	4.4857	2 172.50	14.317	18.803
	256QAM	2 112.50	4.4780	2 172.50	14.279	18.757
1	QPSK	2 112.50	4.4923	2 172.50	14.285	18.777
	16QAM	2 112.50	4.5006	2 172.50	14.194	18.695
	64QAM	2 112.50	4.4752	2 172.50	14.286	18.761
	256QAM	2 112.50	4.4858	2 172.50	14.262	18.748
2	QPSK	2 112.50	4.4777	2 172.50	14.310	18.788
	16QAM	2 112.50	4.4997	2 172.50	14.185	18.685
	64QAM	2 112.50	4.4814	2 172.50	14.284	18.765
	256QAM	2 112.50	4.4806	2 172.50	14.239	18.720
3	QPSK	2 112.50	4.4859	2 172.50	14.265	18.751
	16QAM	2 112.50	4.5043	2 172.50	14.238	18.742
	64QAM	2 112.50	4.4793	2 172.50	14.260	18.739
	256QAM	2 112.50	4.4803	2 172.50	14.263	18.743

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

Ant	Mod	5G NR n66 5 MHz + 5G NR n66 5 MHz		DSS B66 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 115.00	9.4669	2 175.00	9.1887	18.656
	16QAM	2 115.00	9.4825	2 175.00	9.1147	18.597
	64QAM	2 115.00	9.4396	2 175.00	9.2293	18.669
	256QAM	2 115.00	9.4558	2 175.00	9.2315	18.687
1	QPSK	2 115.00	9.4517	2 175.00	9.2316	18.683
	16QAM	2 115.00	9.4717	2 175.00	9.0976	18.569
	64QAM	2 115.00	9.4504	2 175.00	9.2352	18.686
	256QAM	2 115.00	9.4684	2 175.00	9.2168	18.685
2	QPSK	2 115.00	9.4530	2 175.00	9.2321	18.685
	16QAM	2 115.00	9.4699	2 175.00	9.0875	18.557
	64QAM	2 115.00	9.4594	2 175.00	9.2516	18.711
	256QAM	2 115.00	9.4583	2 175.00	9.2856	18.744
3	QPSK	2 115.00	9.4411	2 175.00	9.2212	18.662
	16QAM	2 115.00	9.4849	2 175.00	9.1252	18.610
	64QAM	2 115.00	9.4333	2 175.00	9.1995	18.633
	256QAM	2 115.00	9.4589	2 175.00	9.1881	18.647

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

Ant	Mod	DSS B66 10 MHz		5G NR n66 10 MHz + 5G NR n66 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 115.00	9.2417	2 165.00	29.021	38.263
	16QAM	2 115.00	9.0580	2 165.00	29.189	38.247
	64QAM	2 115.00	9.1987	2 165.00	29.074	38.273
	256QAM	2 115.00	9.2416	2 165.00	29.058	38.300
1	QPSK	2 115.00	9.2349	2 165.00	29.078	38.313
	16QAM	2 115.00	9.1562	2 165.00	29.129	38.285
	64QAM	2 115.00	9.1793	2 165.00	29.066	38.245
	256QAM	2 115.00	9.2293	2 165.00	29.031	38.261
2	QPSK	2 115.00	9.1999	2 165.00	29.049	38.249
	16QAM	2 115.00	9.1426	2 165.00	29.150	38.293
	64QAM	2 115.00	9.1898	2 165.00	29.049	38.239
	256QAM	2 115.00	9.2059	2 165.00	29.102	38.308
3	QPSK	2 115.00	9.2395	2 165.00	29.025	38.265
	16QAM	2 115.00	9.0629	2 165.00	29.134	38.197
	64QAM	2 115.00	9.1695	2 165.00	29.080	38.250
	256QAM	2 115.00	9.2457	2 165.00	29.021	38.267

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

Ant	Mod	DSS B66 10 MHz + 5G NR n66 10 MHz		5G NR n66 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 120.00	19.158	2 170.00	18.935	38.093
	16QAM	2 120.00	19.069	2 170.00	19.055	38.124
	64QAM	2 120.00	19.126	2 170.00	18.946	38.073
	256QAM	2 120.00	19.235	2 170.00	18.932	38.168
1	QPSK	2 120.00	19.211	2 170.00	18.986	38.197
	16QAM	2 120.00	19.084	2 170.00	19.013	38.097
	64QAM	2 120.00	19.151	2 170.00	18.995	38.146
	256QAM	2 120.00	19.186	2 170.00	18.972	38.158
2	QPSK	2 120.00	19.177	2 170.00	18.937	38.113
	16QAM	2 120.00	19.088	2 170.00	19.059	38.146
	64QAM	2 120.00	19.184	2 170.00	18.994	38.177
	256QAM	2 120.00	19.148	2 170.00	18.972	38.120
3	QPSK	2 120.00	19.162	2 170.00	18.938	38.100
	16QAM	2 120.00	19.108	2 170.00	19.014	38.123
	64QAM	2 120.00	19.181	2 170.00	18.940	38.122
	256QAM	2 120.00	19.171	2 170.00	18.966	38.137

**(4 Port) DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [3 Carrier] [1C+2C]**

Ant	Mod	DSS B66 10 MHz		DSS B66 10 MHz + DSS B66 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 115.00	9.0092	2 170.00	18.900	27.909
	16QAM	2 115.00	8.9765	2 170.00	18.953	27.929
	64QAM	2 115.00	9.0161	2 170.00	19.062	28.078
	256QAM	2 115.00	8.9997	2 170.00	19.030	28.030
1	QPSK	2 115.00	8.9905	2 170.00	18.923	27.914
	16QAM	2 115.00	8.9888	2 170.00	18.931	27.920
	64QAM	2 115.00	8.9789	2 170.00	18.948	27.927
	256QAM	2 115.00	9.0074	2 170.00	19.066	28.074
2	QPSK	2 115.00	8.9984	2 170.00	18.939	27.938
	16QAM	2 115.00	8.9641	2 170.00	18.933	27.897
	64QAM	2 115.00	8.9860	2 170.00	18.978	27.964
	256QAM	2 115.00	9.0015	2 170.00	18.997	27.998
3	QPSK	2 115.00	8.9911	2 170.00	18.913	27.904
	16QAM	2 115.00	8.9900	2 170.00	19.010	28.000
	64QAM	2 115.00	8.9544	2 170.00	18.968	27.922
	256QAM	2 115.00	9.0105	2 170.00	18.977	27.988

**(4 Port) DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [3 Carrier] [2C+1C]**

Ant	Mod	DSS B66 10 MHz + DSS B66 10 MHz		DSS B66 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 120.00	18.947	2 175.00	9.1838	28.130
	16QAM	2 120.00	18.921	2 175.00	9.1080	28.029
	64QAM	2 120.00	19.044	2 175.00	9.2965	28.340
	256QAM	2 120.00	18.972	2 175.00	9.2016	28.173
1	QPSK	2 120.00	18.968	2 175.00	9.2649	28.232
	16QAM	2 120.00	19.028	2 175.00	9.1092	28.137
	64QAM	2 120.00	18.969	2 175.00	9.2913	28.261
	256QAM	2 120.00	19.001	2 175.00	9.2029	28.204
2	QPSK	2 120.00	19.022	2 175.00	9.2579	28.280
	16QAM	2 120.00	18.930	2 175.00	9.1293	28.059
	64QAM	2 120.00	19.010	2 175.00	9.1943	28.204
	256QAM	2 120.00	19.004	2 175.00	9.2639	28.268
3	QPSK	2 120.00	18.971	2 175.00	9.2042	28.175
	16QAM	2 120.00	18.977	2 175.00	9.1014	28.078
	64QAM	2 120.00	18.988	2 175.00	9.2000	28.188
	256QAM	2 120.00	18.985	2 175.00	9.2023	28.188

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

Ant	Mod	DSS B66 10 MHz		DSS B66 10 MHz + DSS B66 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 115.00	9.2038	2 165.00	28.915	38.119
	16QAM	2 115.00	9.0929	2 165.00	28.805	37.897
	64QAM	2 115.00	9.2199	2 165.00	28.809	38.028
	256QAM	2 115.00	9.2100	2 165.00	28.767	37.977
1	QPSK	2 115.00	9.2340	2 165.00	28.822	38.056
	16QAM	2 115.00	9.0426	2 165.00	28.760	37.802
	64QAM	2 115.00	9.1676	2 165.00	28.863	38.031
	256QAM	2 115.00	9.1815	2 165.00	28.747	37.928
2	QPSK	2 115.00	9.1647	2 165.00	28.872	38.037
	16QAM	2 115.00	9.1098	2 165.00	28.687	37.797
	64QAM	2 115.00	9.2674	2 165.00	28.861	38.129
	256QAM	2 115.00	9.1288	2 165.00	28.846	37.974
3	QPSK	2 115.00	9.1427	2 165.00	28.843	37.986
	16QAM	2 115.00	9.1000	2 165.00	28.761	37.861
	64QAM	2 115.00	9.2738	2 165.00	28.904	38.177
	256QAM	2 115.00	9.2361	2 165.00	28.788	38.024

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

Ant	Mod	DSS B66 10 MHz + DSS B66 10 MHz		DSS B66 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 120.00	19.125	2 170.00	18.774	37.899
	16QAM	2 120.00	19.032	2 170.00	18.833	37.866
	64QAM	2 120.00	19.053	2 170.00	18.798	37.851
	256QAM	2 120.00	18.981	2 170.00	18.809	37.790
1	QPSK	2 120.00	19.051	2 170.00	18.791	37.843
	16QAM	2 120.00	18.979	2 170.00	18.886	37.866
	64QAM	2 120.00	19.057	2 170.00	18.861	37.918
	256QAM	2 120.00	19.041	2 170.00	18.763	37.805
2	QPSK	2 120.00	19.033	2 170.00	18.787	37.820
	16QAM	2 120.00	18.955	2 170.00	18.784	37.739
	64QAM	2 120.00	19.158	2 170.00	18.821	37.978
	256QAM	2 120.00	19.047	2 170.00	18.804	37.851
3	QPSK	2 120.00	19.043	2 170.00	18.708	37.751
	16QAM	2 120.00	18.941	2 170.00	18.825	37.766
	64QAM	2 120.00	19.078	2 170.00	18.728	37.806
	256QAM	2 120.00	18.978	2 170.00	18.839	37.817



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

Ant	Mod	LTE B66 5 MHz		5G NR n66 5 MHz + 5G NR n66 5 MHz + 5G NR n66 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 112.50	4.4876	2 172.50	14.433	18.921
	16QAM	2 112.50	4.5089	2 172.50	14.425	18.934
	64QAM	2 112.50	4.4881	2 172.50	14.464	18.952
	256QAM	2 112.50	4.4975	2 172.50	14.427	18.925
1	QPSK	2 112.50	4.4880	2 172.50	14.442	18.930
	16QAM	2 112.50	4.4970	2 172.50	14.407	18.904
	64QAM	2 112.50	4.4823	2 172.50	14.443	18.926
	256QAM	2 112.50	4.4918	2 172.50	14.444	18.935
2	QPSK	2 112.50	4.4820	2 172.50	14.427	18.909
	16QAM	2 112.50	4.4987	2 172.50	14.383	18.882
	64QAM	2 112.50	4.4810	2 172.50	14.448	18.929
	256QAM	2 112.50	4.4944	2 172.50	14.425	18.920
3	QPSK	2 112.50	4.4848	2 172.50	14.433	18.918
	16QAM	2 112.50	4.5000	2 172.50	14.384	18.884
	64QAM	2 112.50	4.4987	2 172.50	14.444	18.942
	256QAM	2 112.50	4.4823	2 172.50	14.467	18.949

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

Ant	Mod	LTE B66 5 MHz + 5G NR n66 5 MHz + 5G NR n66 5 MHz		5G NR n66 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 117.50	14.407	2 177.50	4.4862	18.893
	16QAM	2 117.50	14.445	2 177.50	4.5000	18.945
	64QAM	2 117.50	14.455	2 177.50	4.4800	18.935
	256QAM	2 117.50	14.417	2 177.50	4.5036	18.920
1	QPSK	2 117.50	14.449	2 177.50	4.4883	18.938
	16QAM	2 117.50	14.396	2 177.50	4.5086	18.904
	64QAM	2 117.50	14.399	2 177.50	4.4954	18.894
	256QAM	2 117.50	14.435	2 177.50	4.4923	18.927
2	QPSK	2 117.50	14.420	2 177.50	4.4857	18.906
	16QAM	2 117.50	14.418	2 177.50	4.5084	18.927
	64QAM	2 117.50	14.451	2 177.50	4.4840	18.935
	256QAM	2 117.50	14.456	2 177.50	4.4848	18.941
3	QPSK	2 117.50	14.465	2 177.50	4.4834	18.948
	16QAM	2 117.50	14.450	2 177.50	4.5074	18.957
	64QAM	2 117.50	14.447	2 177.50	4.4894	18.936
	256QAM	2 117.50	14.471	2 177.50	4.4990	18.970

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

Ant	Mod	LTE B66 5 MHz		5G NR n66 5 MHz + 5G NR n66 10 MHz + 5G NR n66 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 112.50	4.4804	2 162.50	34.046	38.527
	16QAM	2 112.50	4.5002	2 162.50	34.236	38.736
	64QAM	2 112.50	4.4876	2 162.50	34.085	38.573
	256QAM	2 112.50	4.4846	2 162.50	34.125	38.610
1	QPSK	2 112.50	4.4759	2 162.50	34.087	38.563
	16QAM	2 112.50	4.4942	2 162.50	34.161	38.655
	64QAM	2 112.50	4.4876	2 162.50	34.141	38.629
	256QAM	2 112.50	4.4828	2 162.50	34.119	38.602
2	QPSK	2 112.50	4.4881	2 162.50	34.094	38.582
	16QAM	2 112.50	4.5041	2 162.50	34.106	38.610
	64QAM	2 112.50	4.4941	2 162.50	34.049	38.544
	256QAM	2 112.50	4.4811	2 162.50	34.127	38.608
3	QPSK	2 112.50	4.4885	2 162.50	34.049	38.537
	16QAM	2 112.50	4.4968	2 162.50	34.186	38.683
	64QAM	2 112.50	4.4771	2 162.50	34.075	38.552
	256QAM	2 112.50	4.4814	2 162.50	34.094	38.575

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

Ant	Mod	LTE B66 5 MHz + 5G NR n66 5 MHz + 5G NR n66 10 MHz		5G NR n66 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 120.00	19.325	2 170.00	18.927	38.252
	16QAM	2 120.00	19.182	2 170.00	19.019	38.201
	64QAM	2 120.00	19.361	2 170.00	18.999	38.360
	256QAM	2 120.00	19.357	2 170.00	18.969	38.325
1	QPSK	2 120.00	19.313	2 170.00	18.943	38.256
	16QAM	2 120.00	19.222	2 170.00	19.022	38.244
	64QAM	2 120.00	19.309	2 170.00	18.984	38.293
	256QAM	2 120.00	19.309	2 170.00	19.002	38.311
2	QPSK	2 120.00	19.318	2 170.00	18.958	38.276
	16QAM	2 120.00	19.169	2 170.00	19.023	38.192
	64QAM	2 120.00	19.307	2 170.00	18.972	38.279
	256QAM	2 120.00	19.293	2 170.00	18.950	38.244
3	QPSK	2 120.00	19.309	2 170.00	18.942	38.251
	16QAM	2 120.00	19.130	2 170.00	19.006	38.136
	64QAM	2 120.00	19.315	2 170.00	18.967	38.282
	256QAM	2 120.00	19.280	2 170.00	18.944	38.224

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

Ant	Mod	LTE B66 5 MHz		5G NR n66 5 MHz + 5G NR n66 5 MHz + DSS B66 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 112.50	4.4763	2 170.00	19.233	23.710
	16QAM	2 112.50	4.4978	2 170.00	19.141	23.639
	64QAM	2 112.50	4.4851	2 170.00	19.268	23.754
	256QAM	2 112.50	4.4810	2 170.00	19.287	23.768
1	QPSK	2 112.50	4.4851	2 170.00	19.222	23.707
	16QAM	2 112.50	4.5071	2 170.00	19.151	23.658
	64QAM	2 112.50	4.4889	2 170.00	19.240	23.729
	256QAM	2 112.50	4.4895	2 170.00	19.264	23.753
2	QPSK	2 112.50	4.4844	2 170.00	19.246	23.730
	16QAM	2 112.50	4.5012	2 170.00	19.200	23.701
	64QAM	2 112.50	4.4914	2 170.00	19.261	23.753
	256QAM	2 112.50	4.4726	2 170.00	19.245	23.717
3	QPSK	2 112.50	4.4804	2 170.00	19.233	23.713
	16QAM	2 112.50	4.4975	2 170.00	19.156	23.653
	64QAM	2 112.50	4.4808	2 170.00	19.279	23.760
	256QAM	2 112.50	4.4889	2 170.00	19.235	23.724

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

Ant	Mod	LTE B66 5 MHz + 5G NR n66 5 MHz + 5G NR n66 5 MHz		DSS B66 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 117.50	14.405	2 175.00	9.2564	23.662
	16QAM	2 117.50	14.416	2 175.00	9.1256	23.542
	64QAM	2 117.50	14.426	2 175.00	9.1854	23.612
	256QAM	2 117.50	14.418	2 175.00	9.1615	23.580
1	QPSK	2 117.50	14.410	2 175.00	9.1993	23.610
	16QAM	2 117.50	14.385	2 175.00	9.1023	23.487
	64QAM	2 117.50	14.435	2 175.00	9.1746	23.609
	256QAM	2 117.50	14.452	2 175.00	9.2495	23.702
2	QPSK	2 117.50	14.431	2 175.00	9.1890	23.620
	16QAM	2 117.50	14.411	2 175.00	9.1194	23.530
	64QAM	2 117.50	14.436	2 175.00	9.1975	23.634
	256QAM	2 117.50	14.438	2 175.00	9.1847	23.623
3	QPSK	2 117.50	14.420	2 175.00	9.1775	23.597
	16QAM	2 117.50	14.379	2 175.00	9.0826	23.462
	64QAM	2 117.50	14.440	2 175.00	9.2219	23.662
	256QAM	2 117.50	14.436	2 175.00	9.2223	23.659

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

Ant	Mod	LTE B66 5 MHz		5G NR n66 5 MHz + DSS B66 10 MHz + DSS B66 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 112.50	4.5074	2 162.50	33.999	38.506
	16QAM	2 112.50	4.4828	2 162.50	33.985	38.468
	64QAM	2 112.50	4.5033	2 162.50	33.860	38.364
	256QAM	2 112.50	4.4978	2 162.50	34.015	38.513
1	QPSK	2 112.50	4.5066	2 162.50	33.862	38.368
	16QAM	2 112.50	4.4873	2 162.50	34.035	38.522
	64QAM	2 112.50	4.4934	2 162.50	33.934	38.427
	256QAM	2 112.50	4.4989	2 162.50	34.001	38.500
2	QPSK	2 112.50	4.5117	2 162.50	33.924	38.436
	16QAM	2 112.50	4.4773	2 162.50	33.988	38.465
	64QAM	2 112.50	4.4852	2 162.50	33.990	38.475
	256QAM	2 112.50	4.4961	2 162.50	33.890	38.386
3	QPSK	2 112.50	4.5006	2 162.50	33.898	38.399
	16QAM	2 112.50	4.4733	2 162.50	33.967	38.441
	64QAM	2 112.50	4.5025	2 162.50	33.844	38.347
	256QAM	2 112.50	4.4984	2 162.50	33.839	38.338

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

Ant	Mod	LTE B66 5 MHz + 5G NR n66 5 MHz + DSS B66 10 MHz		DSS B66 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 120.00	19.206	2 170.00	18.812	38.018
	16QAM	2 120.00	19.126	2 170.00	18.839	37.965
	64QAM	2 120.00	19.231	2 170.00	18.747	37.978
	256QAM	2 120.00	19.284	2 170.00	18.745	38.029
1	QPSK	2 120.00	19.245	2 170.00	18.681	37.926
	16QAM	2 120.00	19.149	2 170.00	18.722	37.871
	64QAM	2 120.00	19.269	2 170.00	18.687	37.956
	256QAM	2 120.00	19.218	2 170.00	18.766	37.983
2	QPSK	2 120.00	19.251	2 170.00	18.810	38.062
	16QAM	2 120.00	19.135	2 170.00	18.807	37.942
	64QAM	2 120.00	19.272	2 170.00	18.753	38.025
	256QAM	2 120.00	19.243	2 170.00	18.821	38.064
3	QPSK	2 120.00	19.235	2 170.00	18.765	37.999
	16QAM	2 120.00	19.198	2 170.00	18.785	37.983
	64QAM	2 120.00	19.193	2 170.00	18.817	38.010
	256QAM	2 120.00	19.209	2 170.00	18.734	37.942



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

Ant	Mod	LTE B66 5 MHz		LTE B66 5 MHz + DSS B66 10 MHz + DSS B66 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 112.50	4.5132	2 167.50	24.213	28.726
	16QAM	2 112.50	4.4775	2 167.50	24.198	28.675
	64QAM	2 112.50	4.5042	2 167.50	24.269	28.773
	256QAM	2 112.50	4.5080	2 167.50	24.155	28.663
1	QPSK	2 112.50	4.5106	2 167.50	24.123	28.633
	16QAM	2 112.50	4.4847	2 167.50	24.163	28.648
	64QAM	2 112.50	4.4951	2 167.50	24.187	28.682
	256QAM	2 112.50	4.5080	2 167.50	24.201	28.709
2	QPSK	2 112.50	4.5039	2 167.50	24.167	28.671
	16QAM	2 112.50	4.4834	2 167.50	24.177	28.660
	64QAM	2 112.50	4.5057	2 167.50	24.169	28.675
	256QAM	2 112.50	4.4991	2 167.50	24.241	28.740
3	QPSK	2 112.50	4.5174	2 167.50	24.201	28.719
	16QAM	2 112.50	4.4894	2 167.50	24.225	28.715
	64QAM	2 112.50	4.4894	2 167.50	24.172	28.662
	256QAM	2 112.50	4.5099	2 167.50	24.207	28.717

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

Ant	Mod	LTE B66 5 MHz + LTE B66 5 MHz + DSS B66 10 MHz		DSS B66 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 120.00	19.188	2 175.00	9.2369	28.425
	16QAM	2 120.00	19.168	2 175.00	9.1267	28.295
	64QAM	2 120.00	19.189	2 175.00	9.2491	28.438
	256QAM	2 120.00	19.219	2 175.00	9.2284	28.448
1	QPSK	2 120.00	19.260	2 175.00	9.1838	28.443
	16QAM	2 120.00	19.139	2 175.00	9.1061	28.245
	64QAM	2 120.00	19.205	2 175.00	9.2181	28.424
	256QAM	2 120.00	19.246	2 175.00	9.2255	28.471
2	QPSK	2 120.00	19.133	2 175.00	9.2228	28.356
	16QAM	2 120.00	19.194	2 175.00	9.1260	28.320
	64QAM	2 120.00	19.262	2 175.00	9.1958	28.458
	256QAM	2 120.00	19.236	2 175.00	9.2556	28.491
3	QPSK	2 120.00	19.208	2 175.00	9.2277	28.436
	16QAM	2 120.00	19.148	2 175.00	9.0942	28.242
	64QAM	2 120.00	19.187	2 175.00	9.2407	28.428
	256QAM	2 120.00	19.231	2 175.00	9.2193	28.450

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

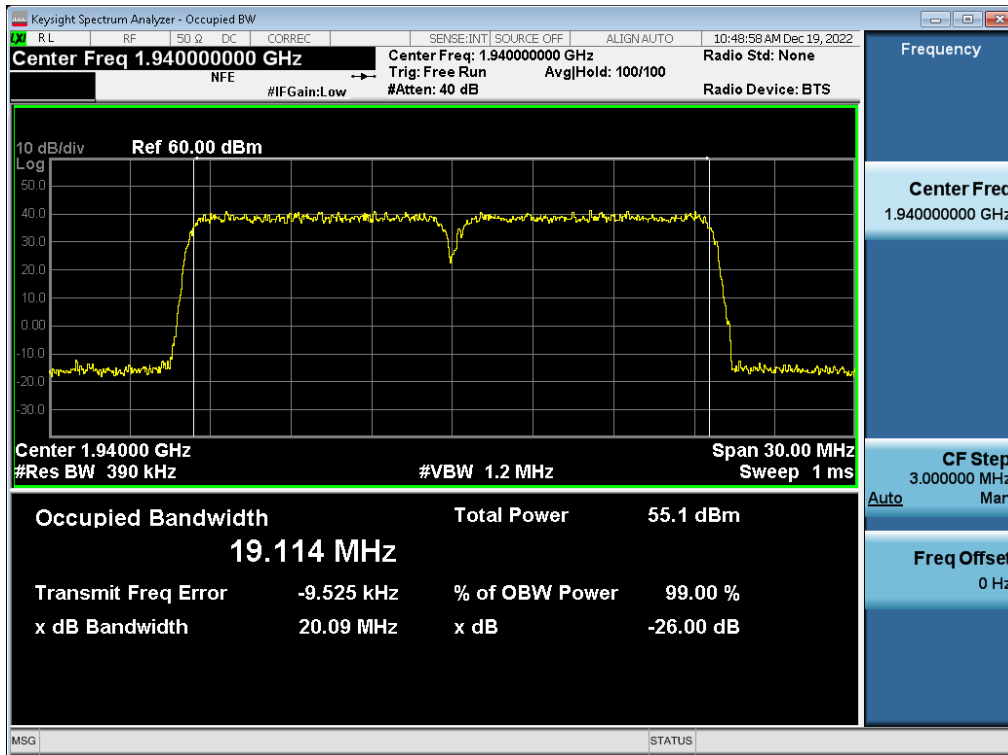
Ant	Mod	LTE B66 5 MHz		LTE B66 5 MHz + DSS B66 10 MHz + DSS B66 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 112.50	4.5024	2 162.50	33.571	38.073
	16QAM	2 112.50	4.4799	2 162.50	33.802	38.282
	64QAM	2 112.50	4.4929	2 162.50	33.975	38.468
	256QAM	2 112.50	4.4960	2 162.50	33.932	38.428
1	QPSK	2 112.50	4.5001	2 162.50	33.593	38.093
	16QAM	2 112.50	4.4757	2 162.50	34.082	38.558
	64QAM	2 112.50	4.4955	2 162.50	33.967	38.462
	256QAM	2 112.50	4.4937	2 162.50	33.937	38.430
2	QPSK	2 112.50	4.5005	2 162.50	33.616	38.117
	16QAM	2 112.50	4.4897	2 162.50	33.935	38.425
	64QAM	2 112.50	4.5020	2 162.50	33.898	38.400
	256QAM	2 112.50	4.4979	2 162.50	33.886	38.384
3	QPSK	2 112.50	4.5169	2 162.50	33.580	38.097
	16QAM	2 112.50	4.4656	2 162.50	33.889	38.354
	64QAM	2 112.50	4.4845	2 162.50	33.948	38.433
	256QAM	2 112.50	4.5011	2 162.50	33.923	38.424

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

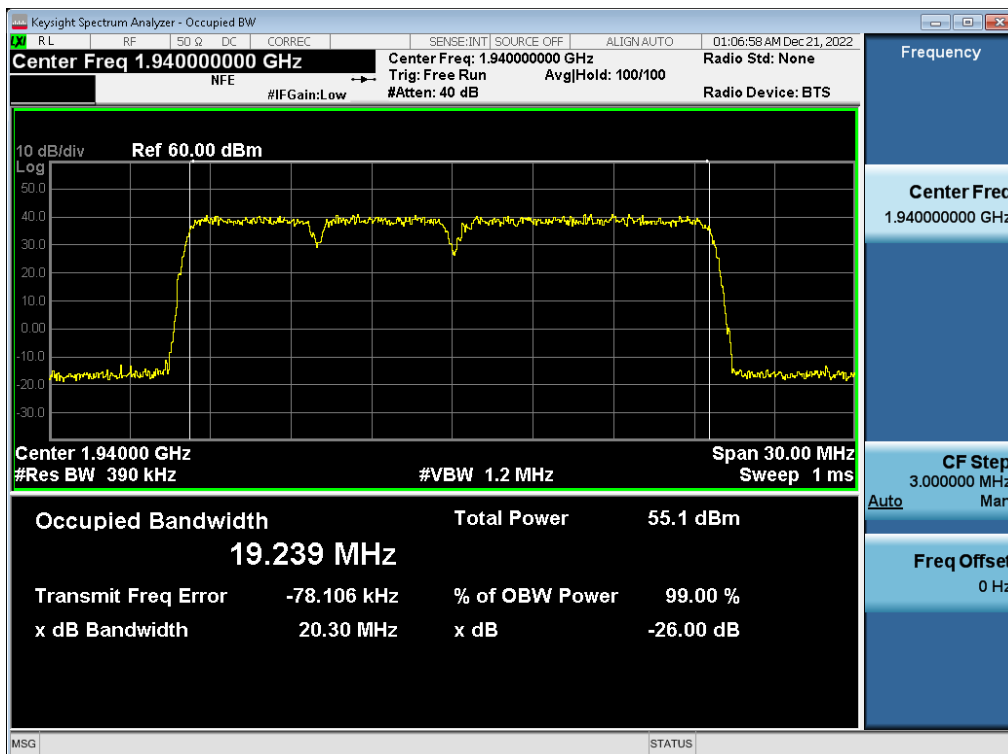
Ant	Mod	LTE B66 5 MHz + LTE B66 5 MHz + DSS B66 10 MHz		DSS B66 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 120.00	19.230	2 170.00	18.671	37.901
	16QAM	2 120.00	19.157	2 170.00	18.825	37.982
	64QAM	2 120.00	19.254	2 170.00	18.795	38.049
	256QAM	2 120.00	19.252	2 170.00	18.693	37.945
1	QPSK	2 120.00	19.177	2 170.00	18.798	37.974
	16QAM	2 120.00	19.229	2 170.00	18.748	37.978
	64QAM	2 120.00	19.253	2 170.00	18.825	38.078
	256QAM	2 120.00	19.268	2 170.00	18.802	38.071
2	QPSK	2 120.00	19.265	2 170.00	18.647	37.912
	16QAM	2 120.00	19.169	2 170.00	18.715	37.884
	64QAM	2 120.00	19.289	2 170.00	18.762	38.050
	256QAM	2 120.00	19.232	2 170.00	18.674	37.905
3	QPSK	2 120.00	19.231	2 170.00	18.798	38.029
	16QAM	2 120.00	19.204	2 170.00	18.727	37.931
	64QAM	2 120.00	19.214	2 170.00	18.847	38.060
	256QAM	2 120.00	19.244	2 170.00	18.801	38.046

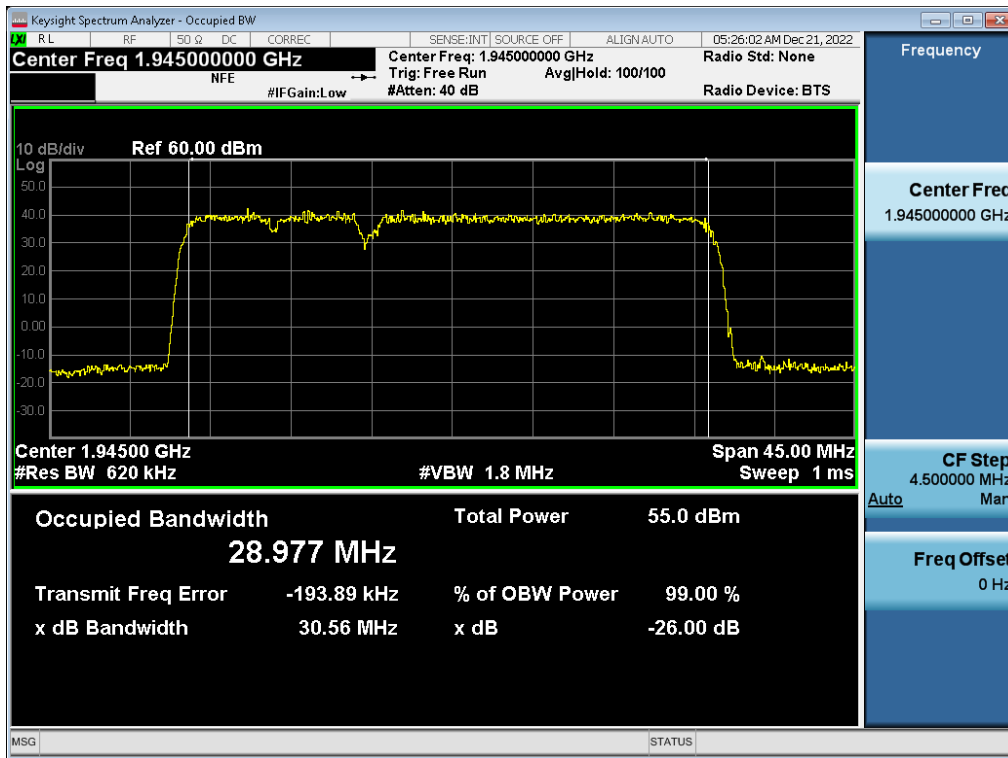
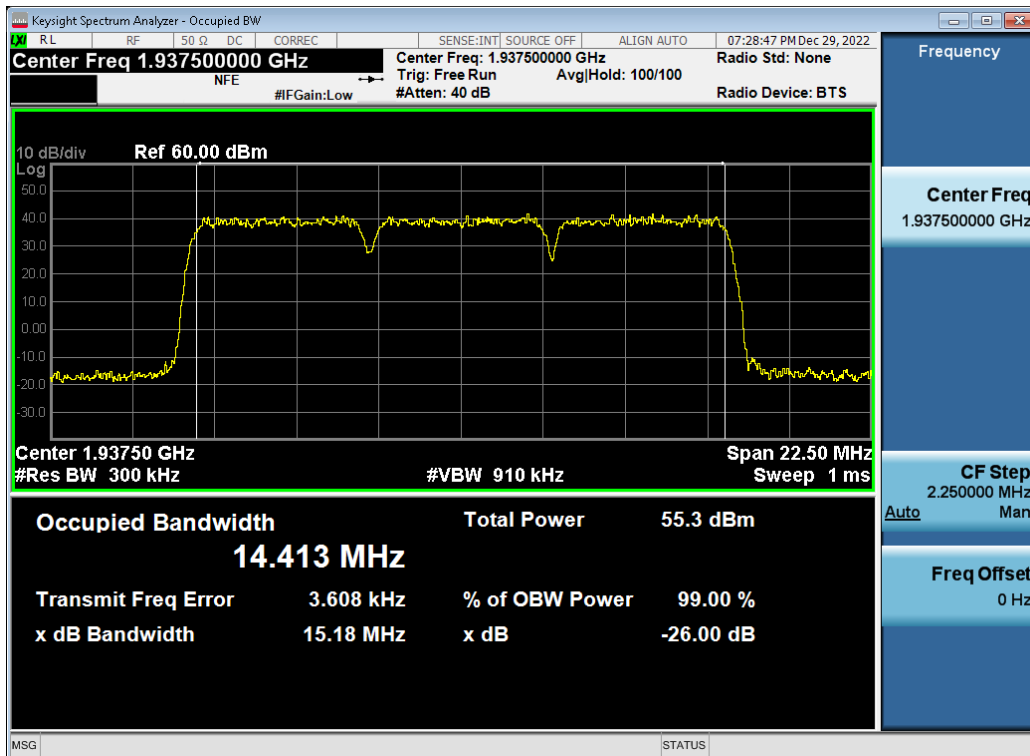
## Plot Data of Occupied bandwidth

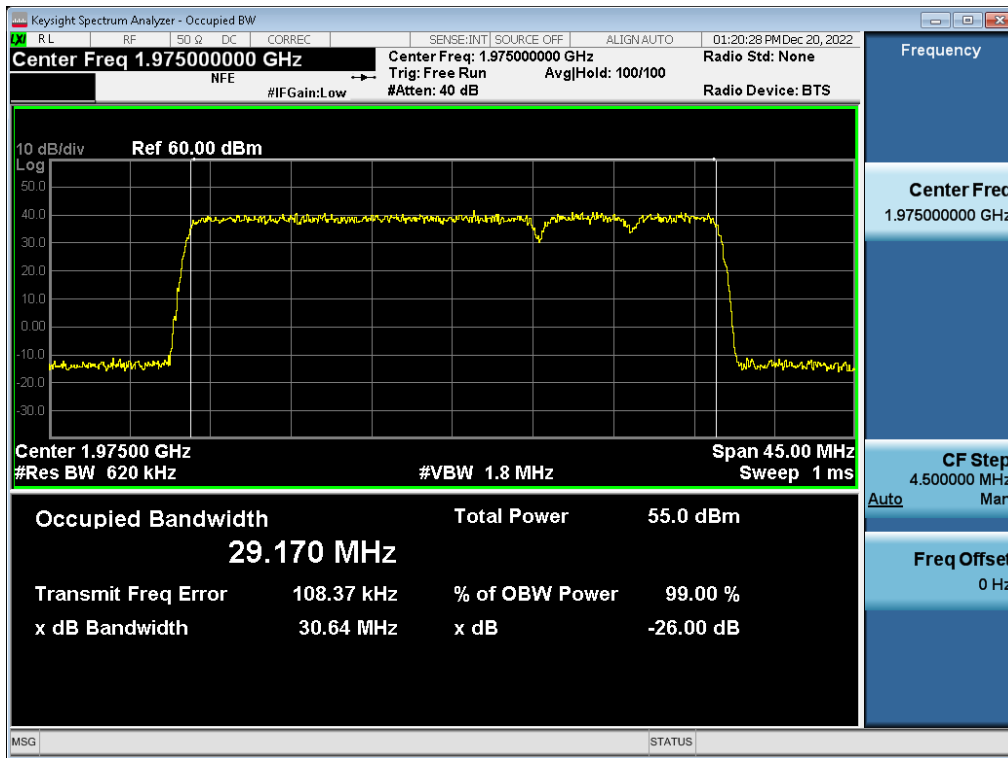
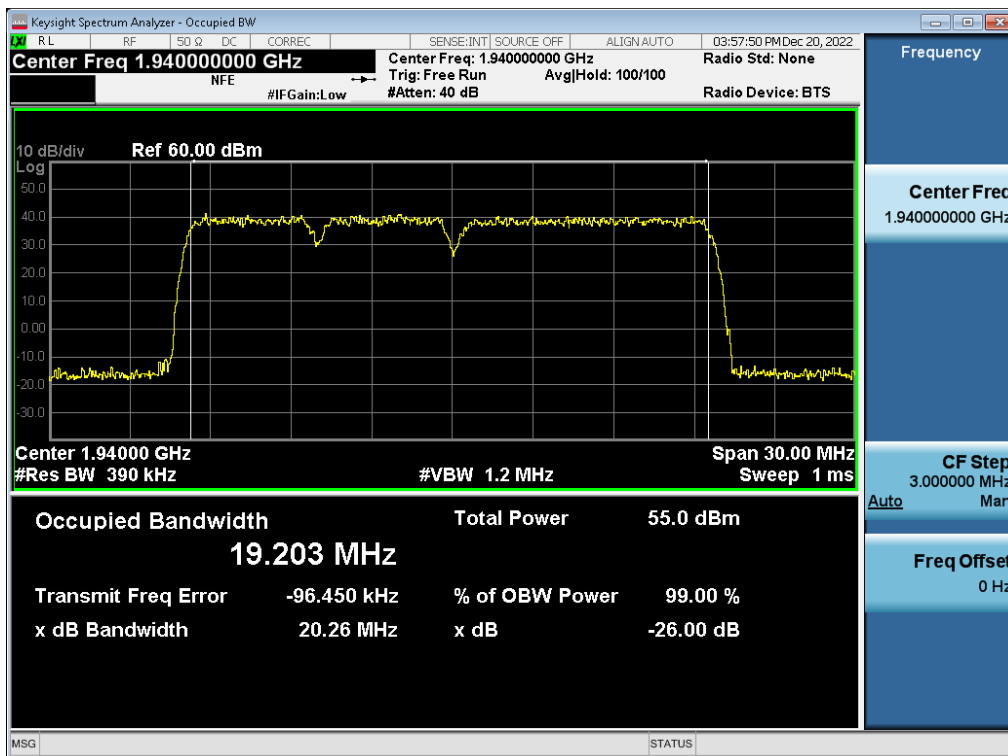
Antenna 0 / (2 Port) DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [2 Carrier] / QPSK / Low / Contiguous



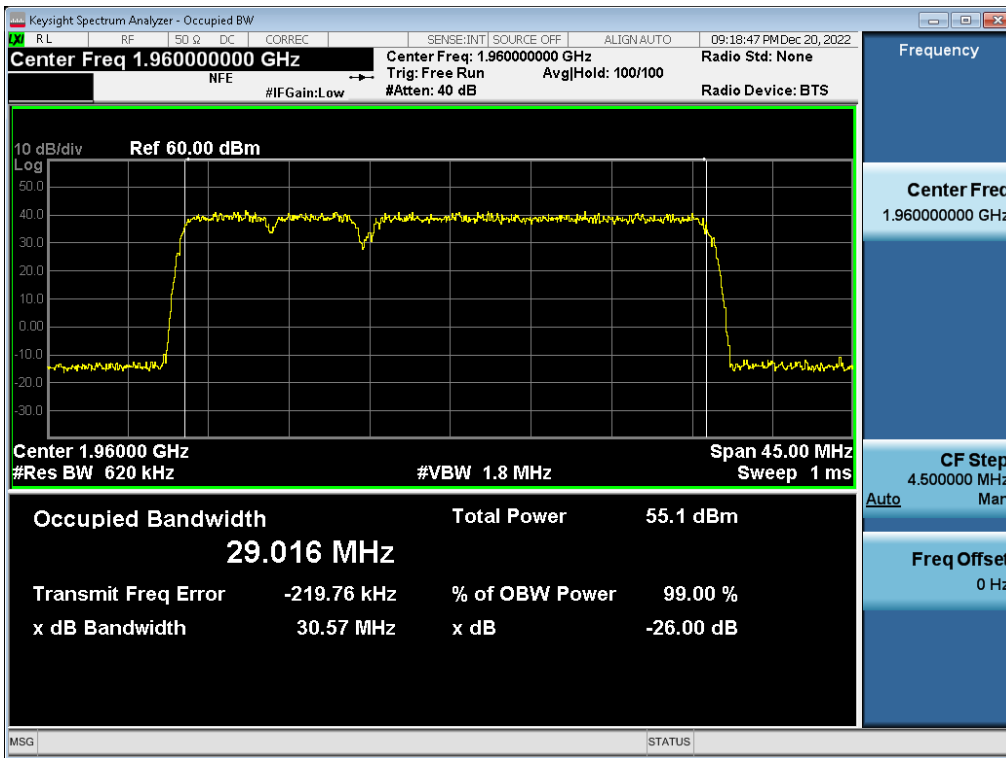
Antenna 0 / (2 Port) LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier] / 256QAM / Low / Contiguous



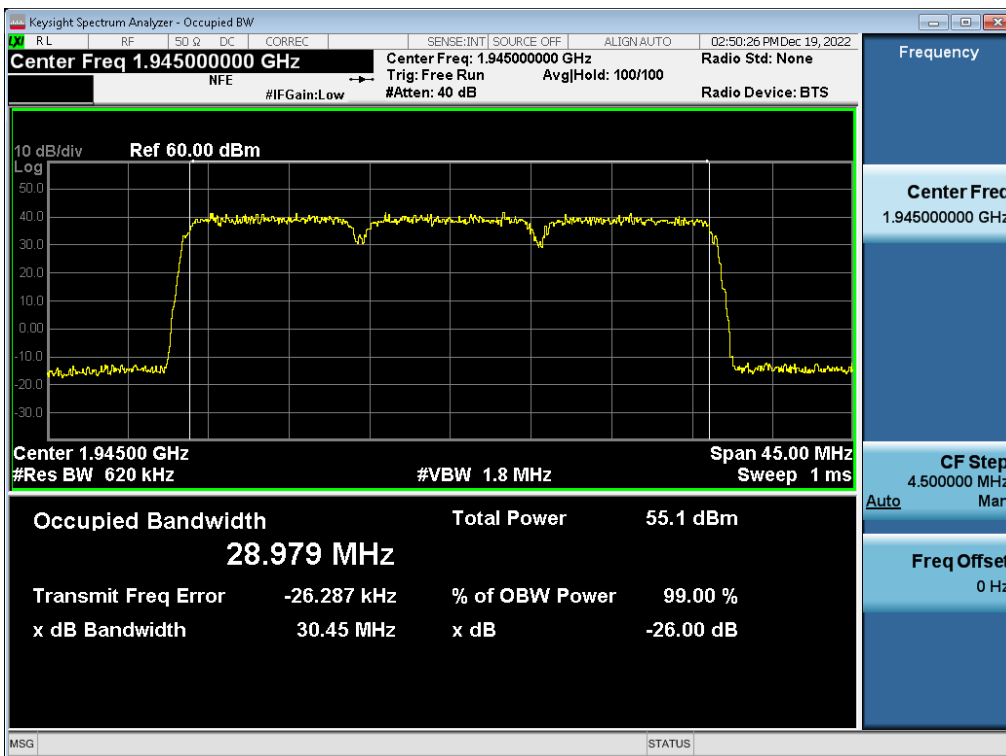
**Antenna 0 / (2 Port) LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + DSS B2 20 MHz 1 Carrier [3 Carrier] / 256QAM / Low / Contiguous**

**Antenna 0 / (2 Port) 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier [3 Carrier] / 256QAM / Low / Contiguous**


**Antenna 1 / (2 Port) 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + 5G NR n2 20 MHz 1 Carrier [3 Carrier] / 64QAM / High / Contiguous**

**Antenna 0 / (2 Port) 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier] / 256QAM / Low / Contiguous**


Antenna 0 / (2 Port) 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + DSS B2 20 MHz 1 Carrier [3 Carrier] / 256QAM / Middle / Contiguous

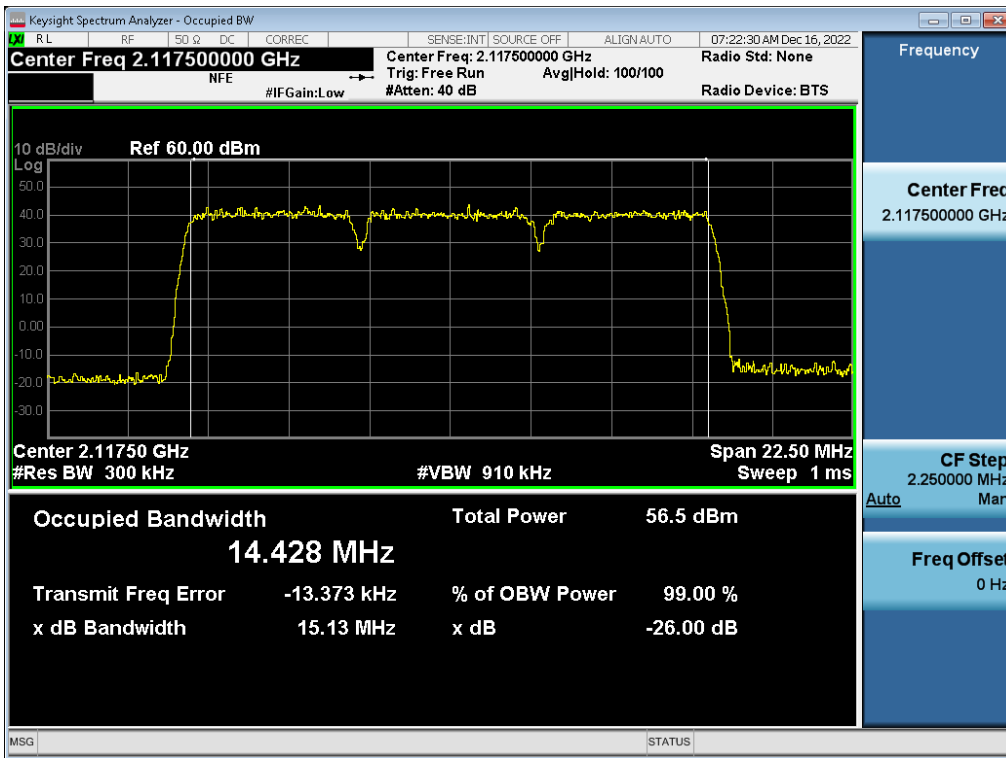


Antenna 0 / (2 Port) DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier] / 64QAM / Low / Contiguous

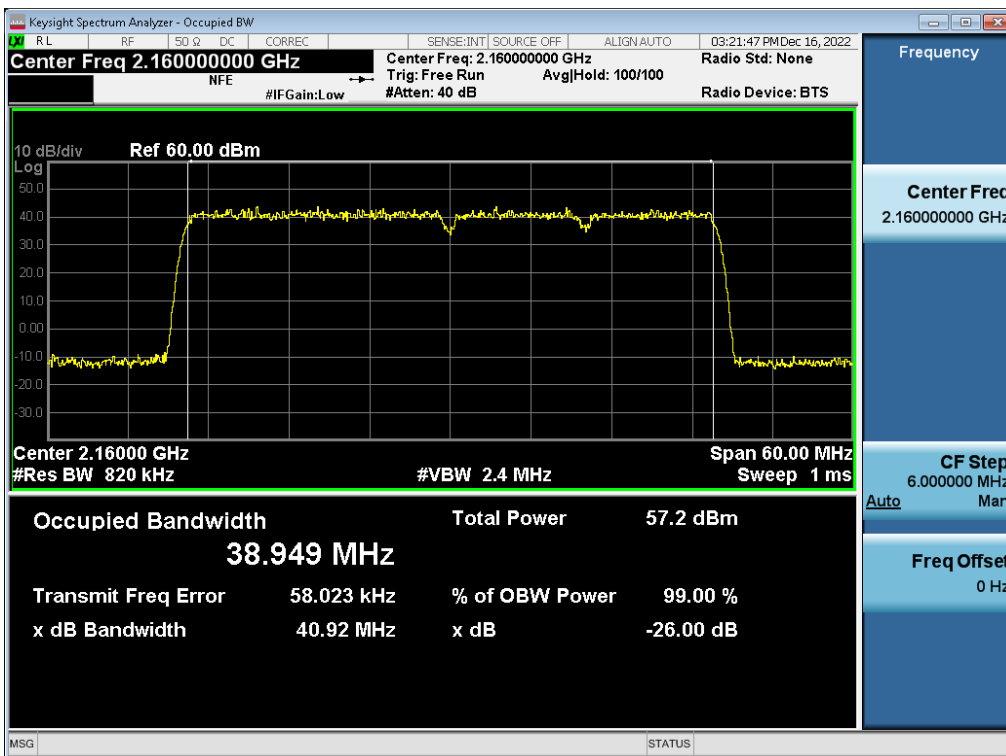




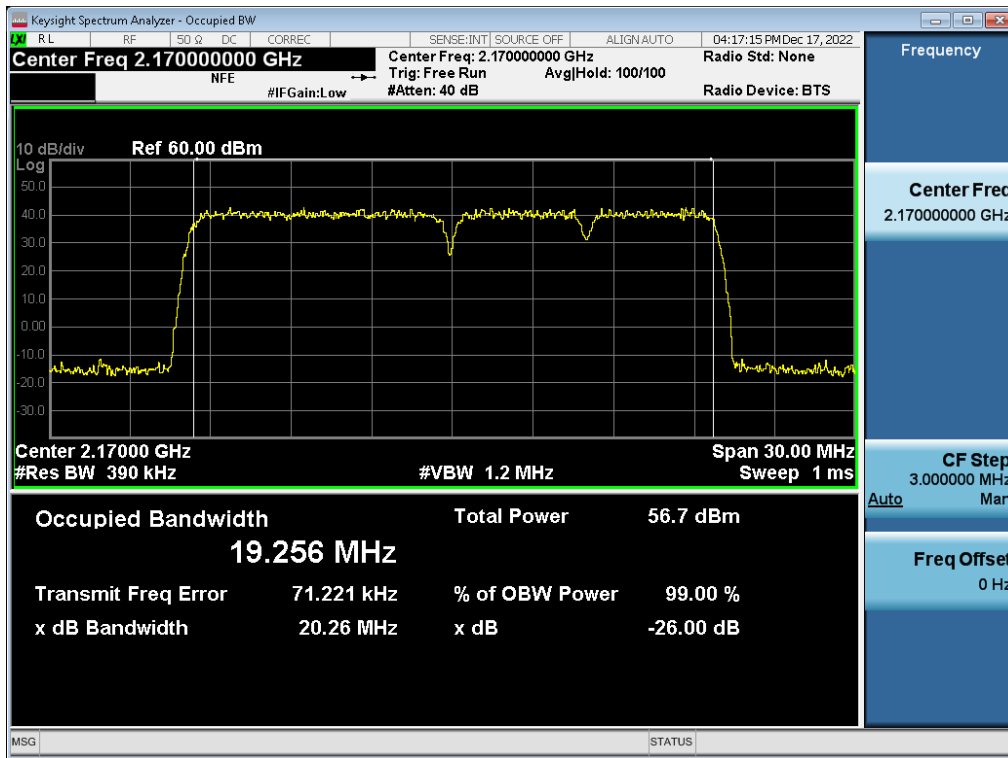
Antenna 1 / (2 Port) 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [3 Carrier] / 64QAM / Low / Contiguous



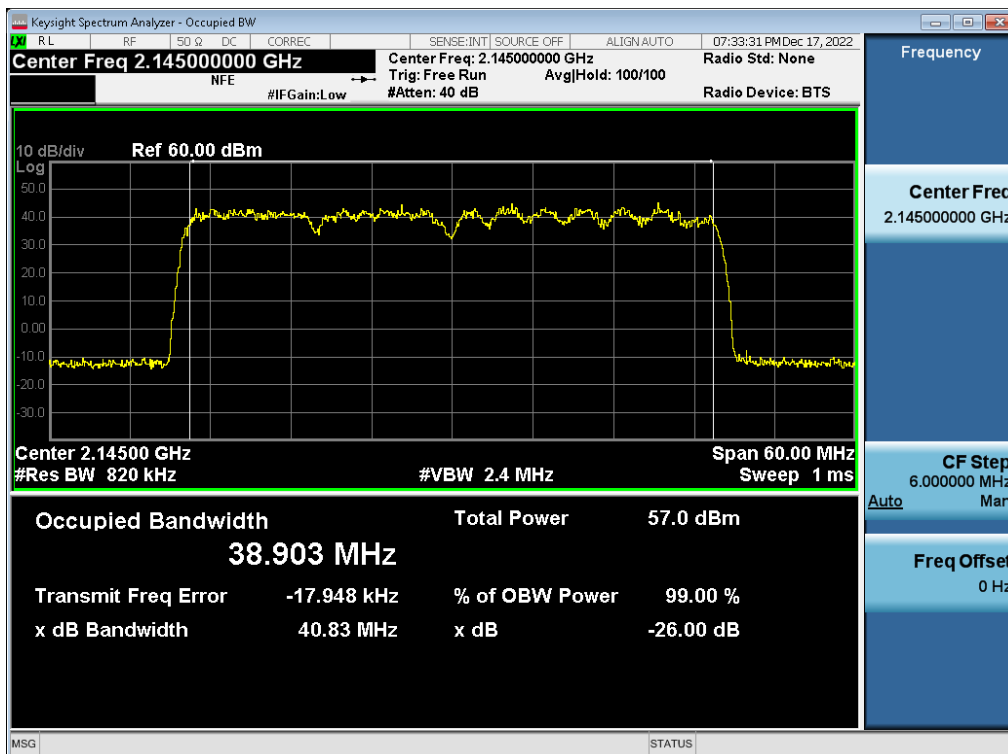
Antenna 1 / (2 Port) 5G NR n66 10 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [3 Carrier] / 256QAM / High / Contiguous



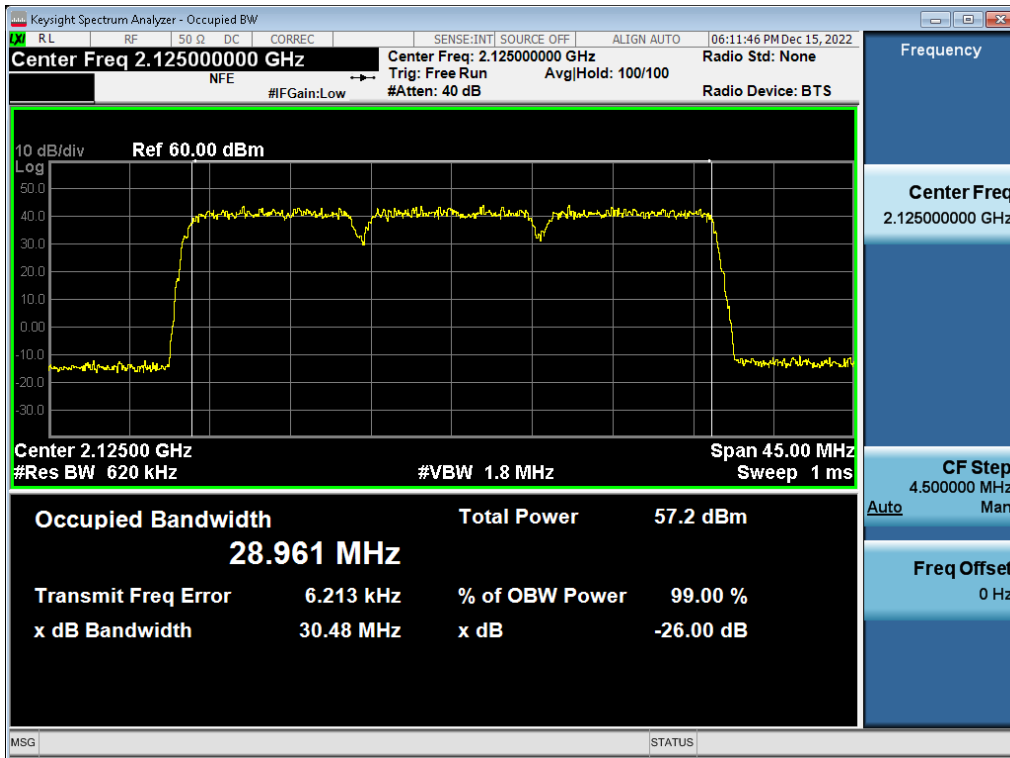
Antenna 1 / (2 Port) 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [3 Carrier] / 64QAM / High / Contiguous



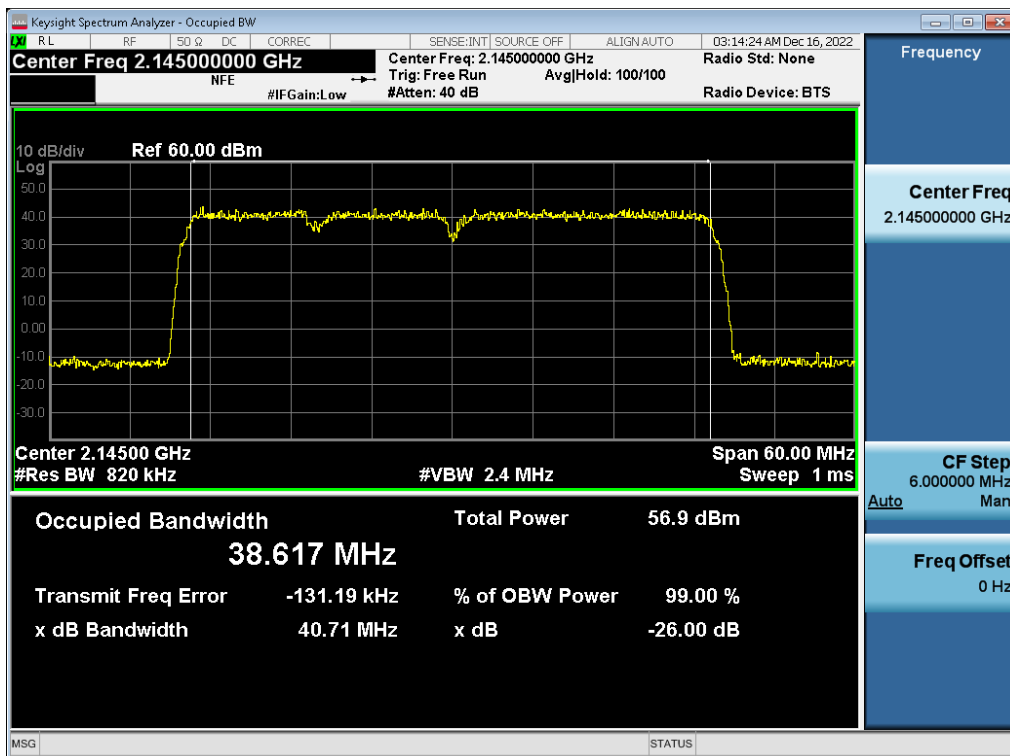
Antenna 1 / (2 Port) DSS B66 10 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [3 Carrier] / 16QAM / Middle / Contiguous



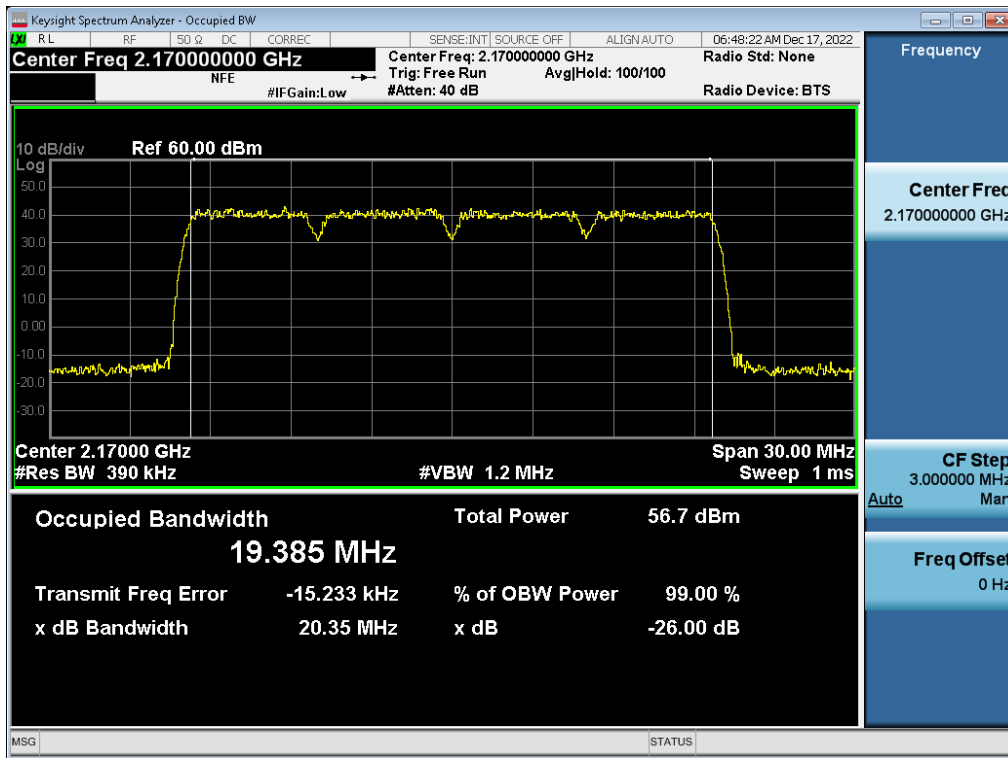
Antenna 1 / (2 Port) DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [3 Carrier] / 16QAM / Low / Contiguous



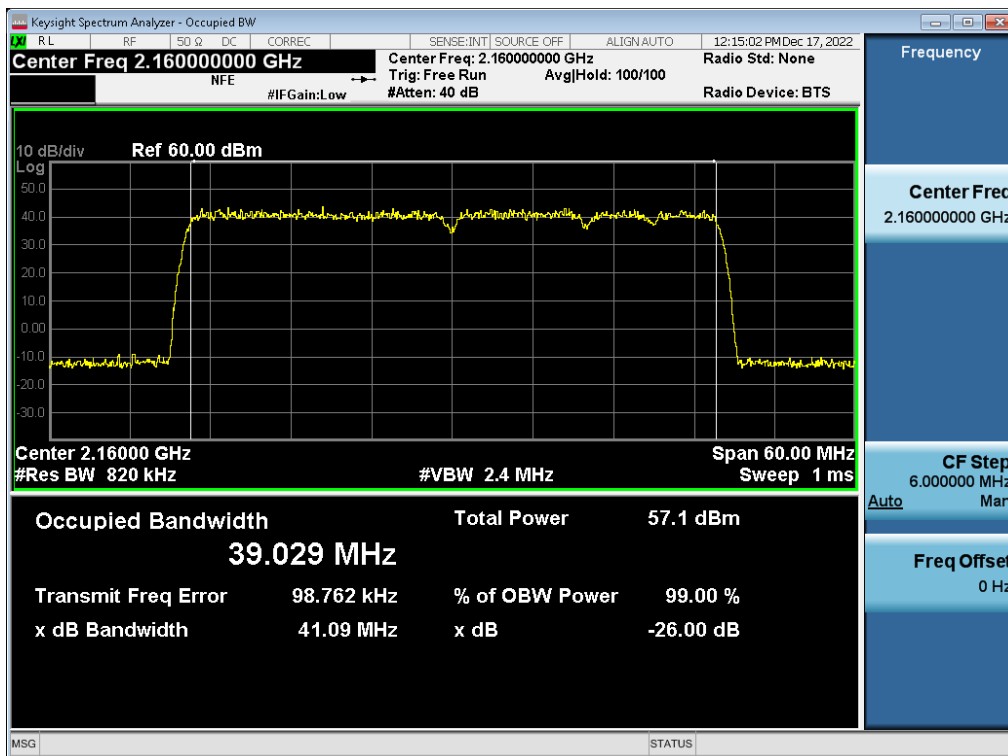
Antenna 1 / (2 Port) DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 20 MHz 1 Carrier [3 Carrier] / 64QAM / Middle / Contiguous



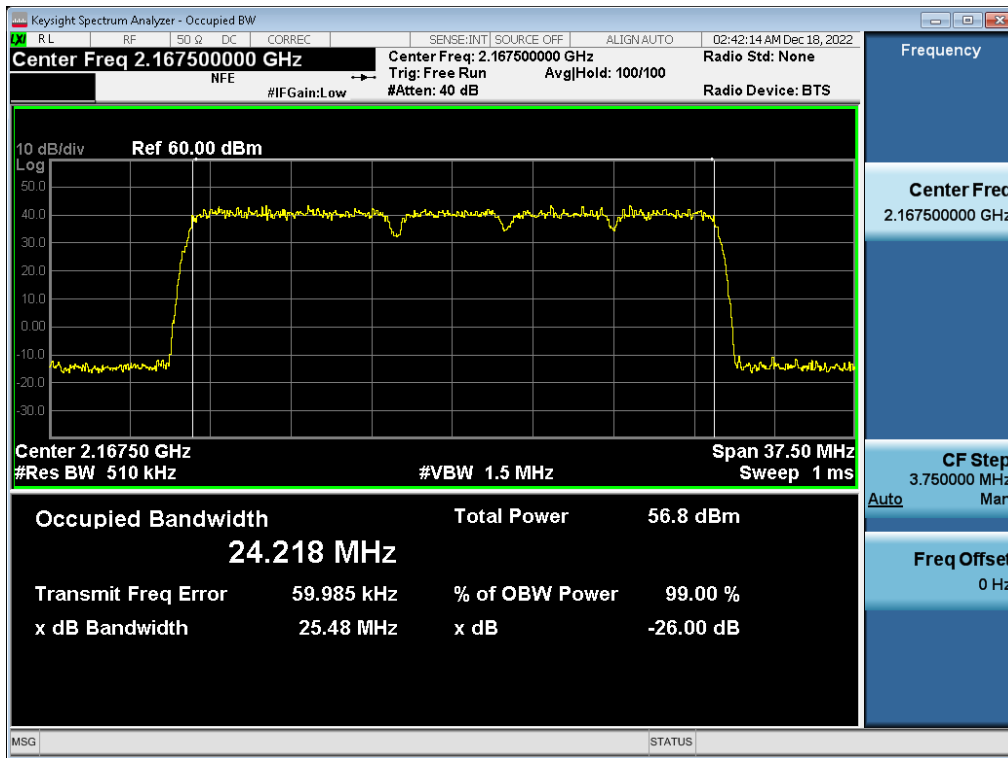
Antenna 1 / (2 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [4 Carrier] / 256QAM / High / Contiguous



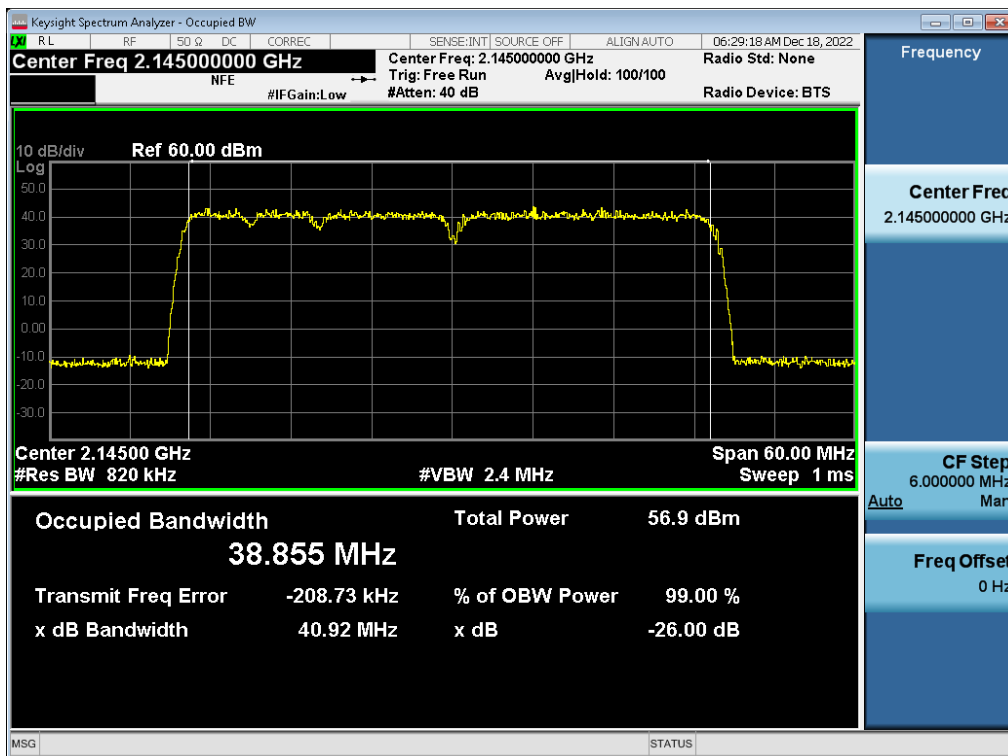
Antenna 1 / (2 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [4 Carrier] / 256QAM / High / Contiguous

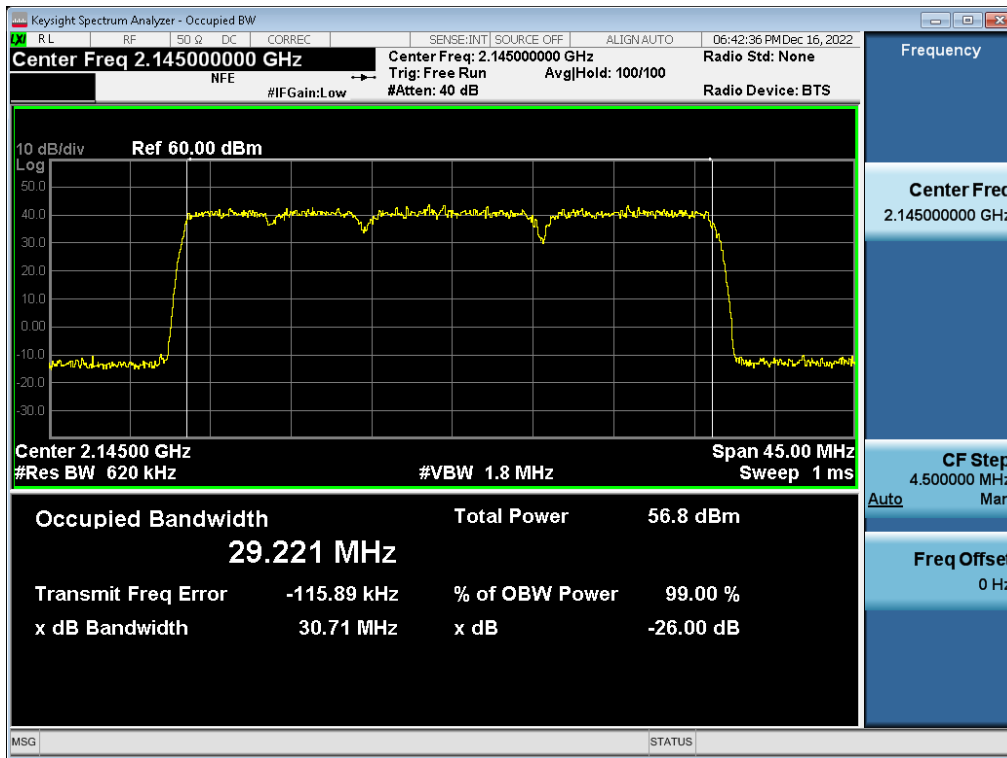
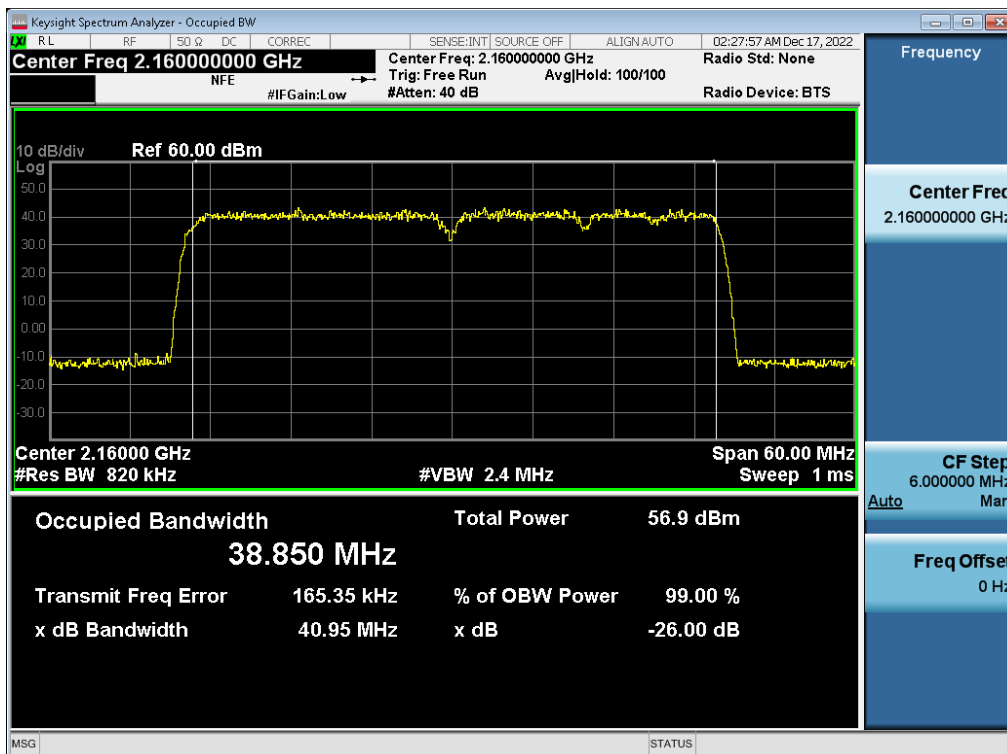


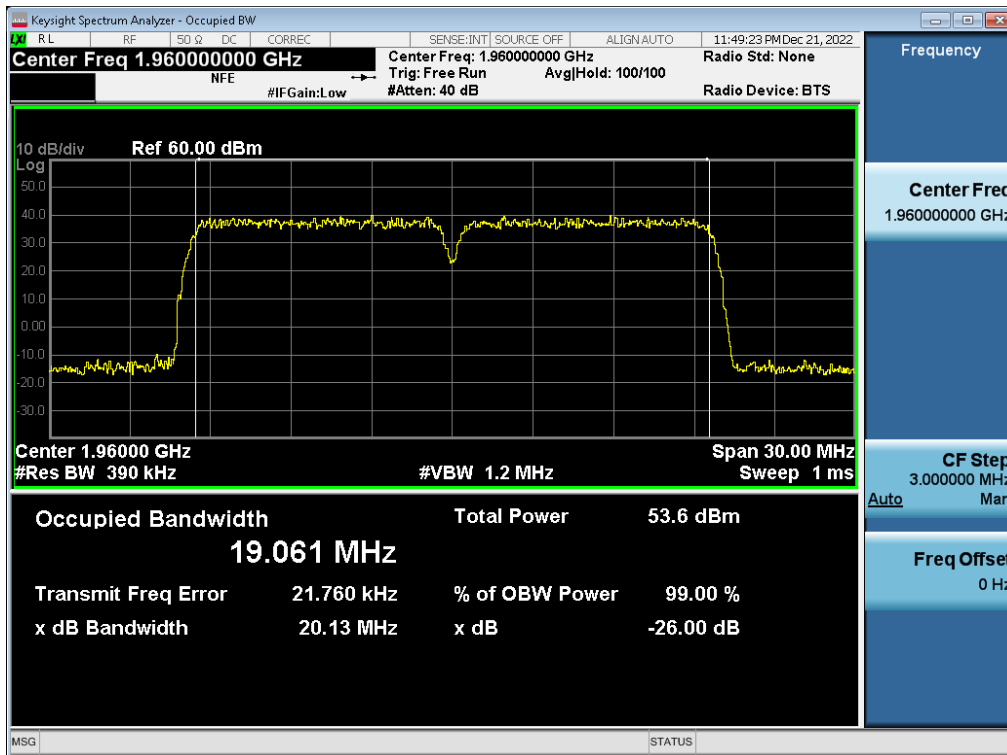
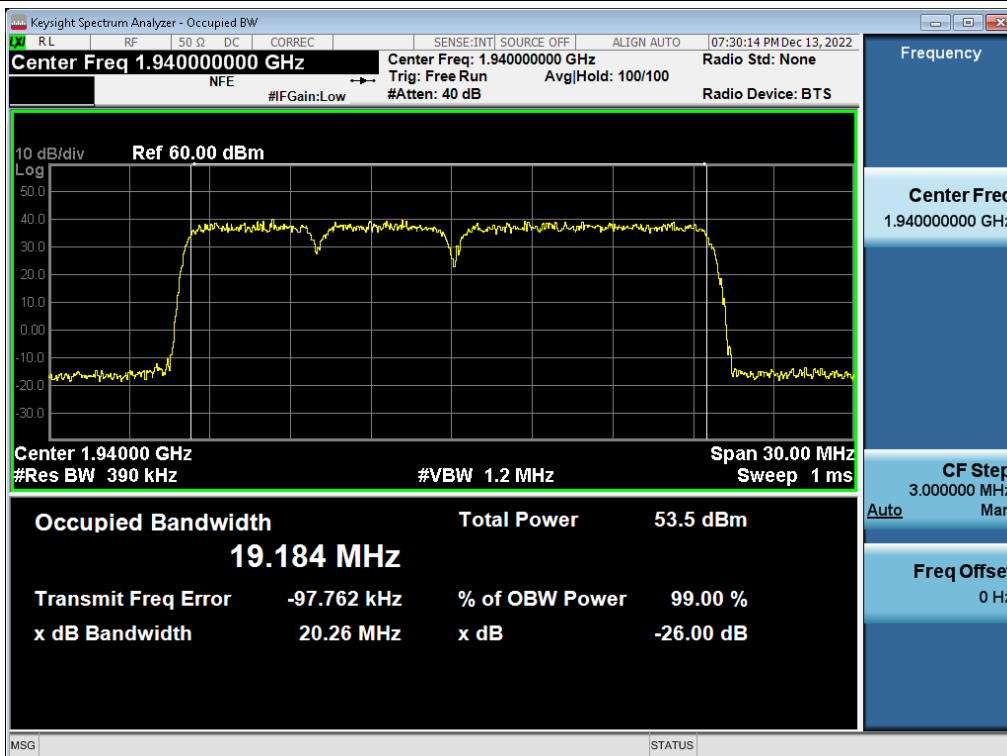
Antenna 1 / (2 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [4 Carrier] / 256QAM / High / Contiguous

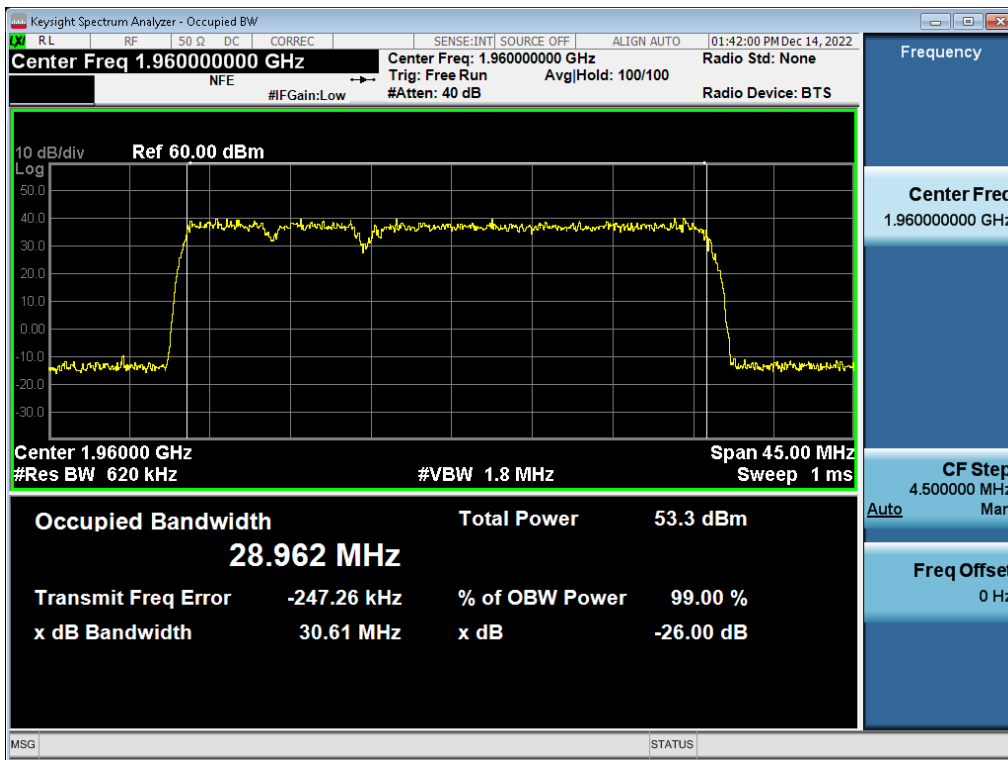
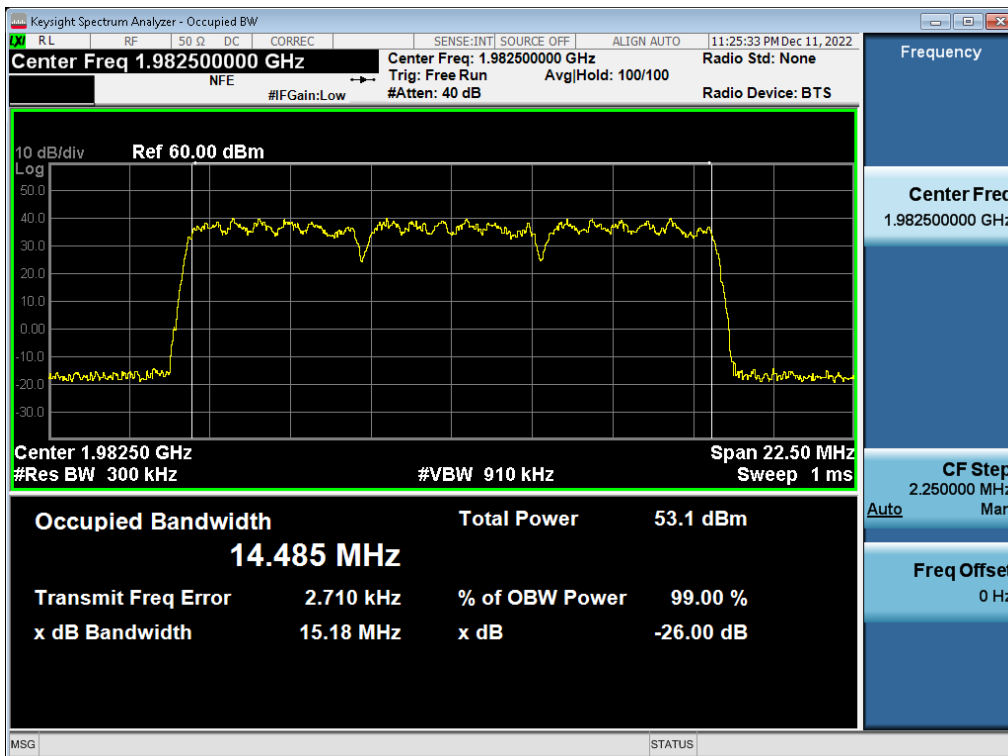


Antenna 1 / (2 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 20 MHz 1 Carrier [4 Carrier] / 256QAM / Middle / Contiguous



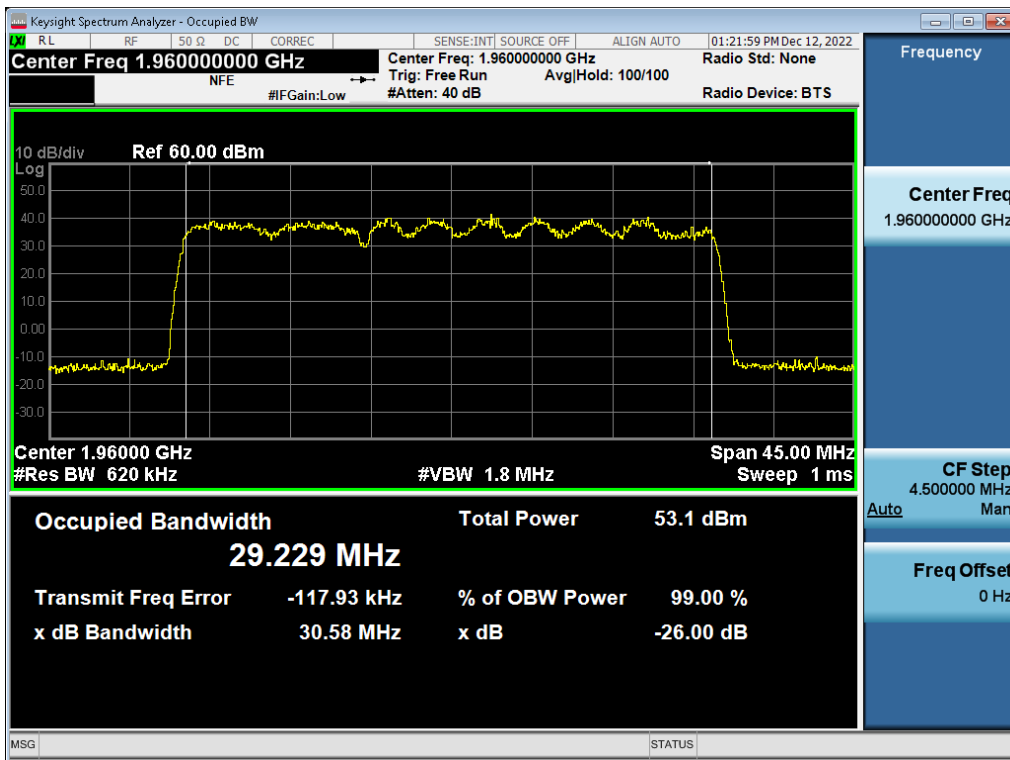
**Antenna 1 / (2 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [4 Carrier] / 256QAM / Middle / Contiguous**

**Antenna 1 / (2 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 20 MHz 1 Carrier [4 Carrier] / 256QAM / High / Contiguous**


**Antenna 3 / (4 Port) DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [2 Carrier] / 256QAM / Middle / Contiguous**

**Antenna 2 / (4 Port) LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier] / 256QAM / Low / Contiguous**


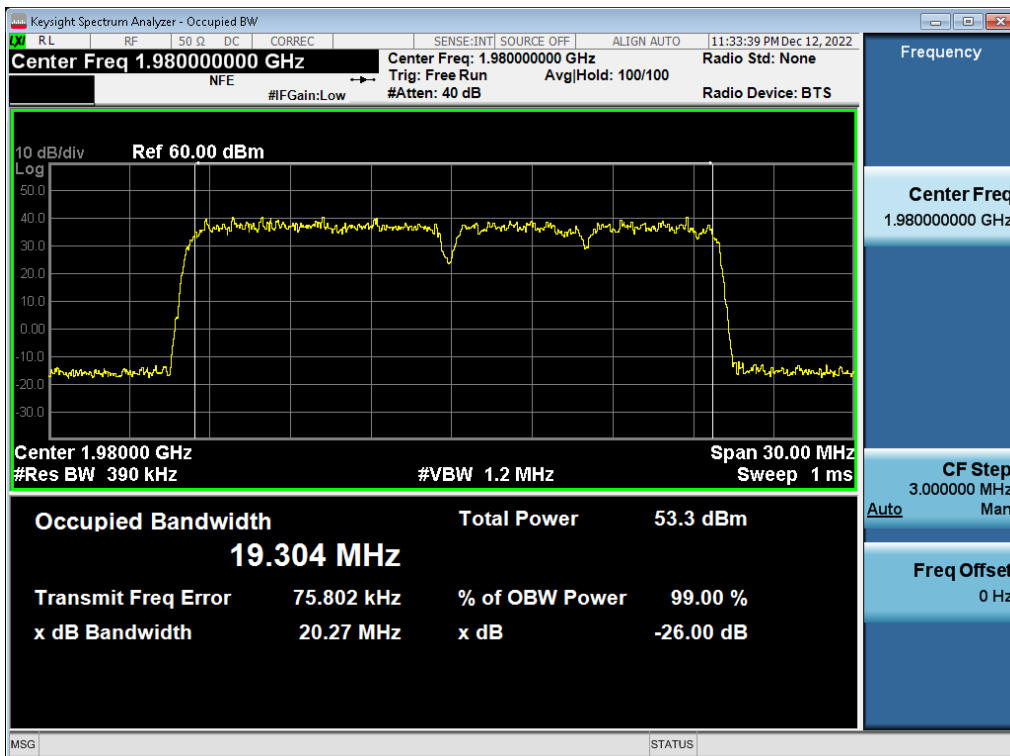
**Antenna 2 / (4 Port) LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + DSS B2 20 MHz 1 Carrier [3 Carrier] / 64QAM / Middle / Contiguous**

**Antenna 2 / (4 Port) 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier [3 Carrier] / 16QAM / High / Contiguous**




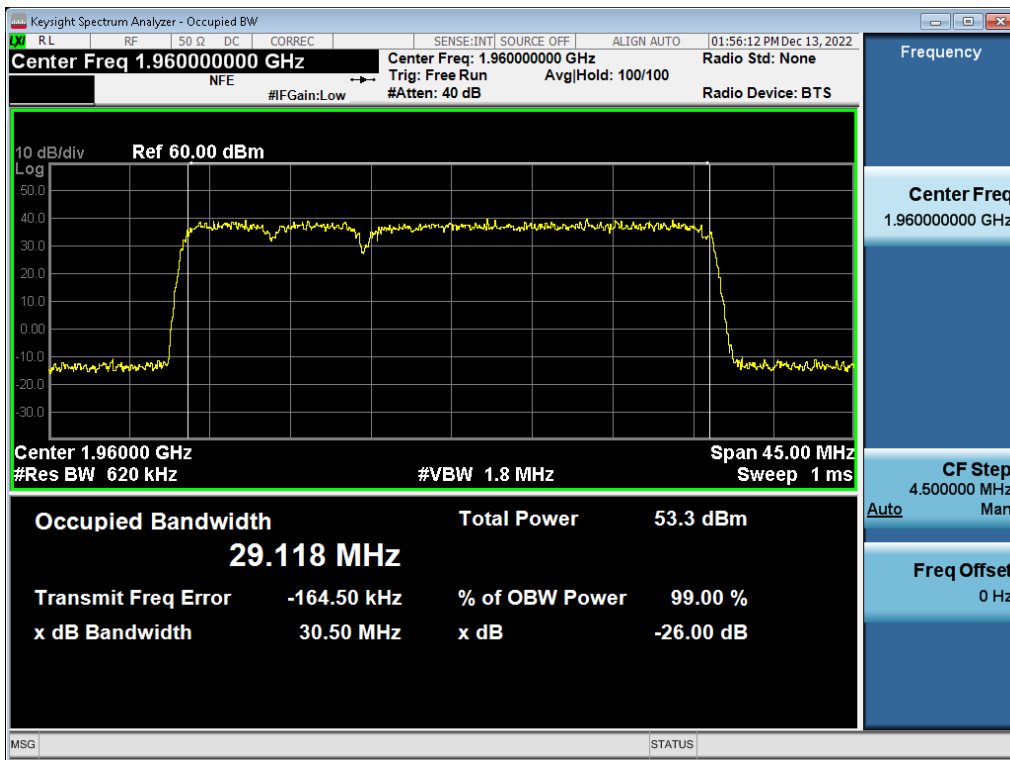
Antenna 2 / (4 Port) 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + 5G NR n2 20 MHz 1 Carrier [3 Carrier] / 16QAM / Middle / Contiguous



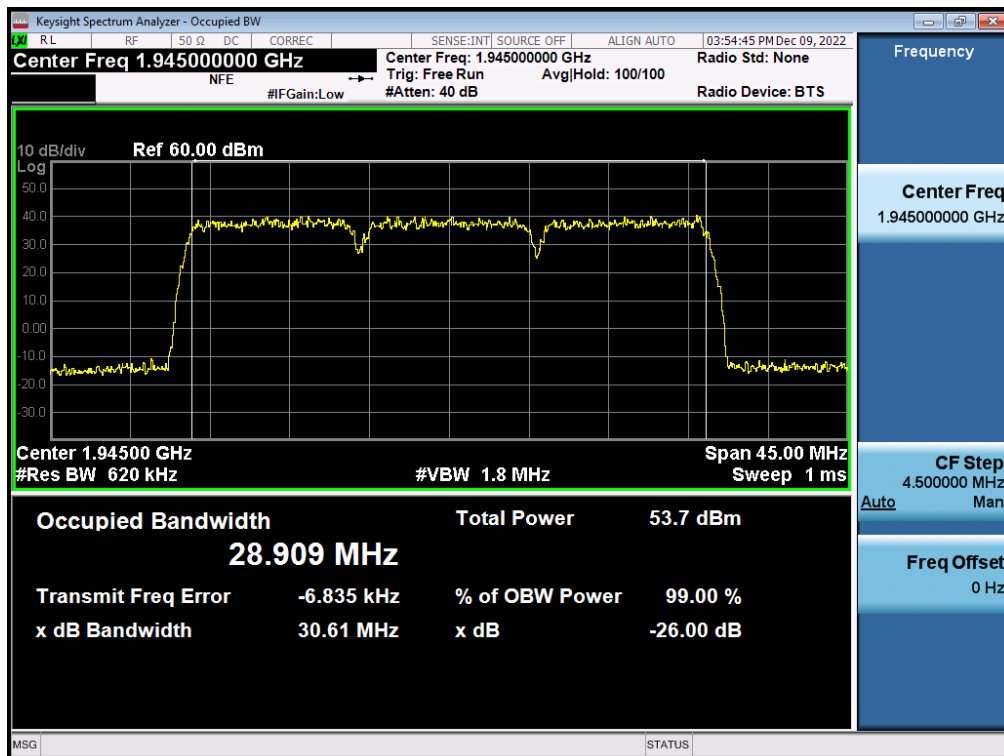
Antenna 2 / (4 Port) 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier] / 16QAM / High / Contiguous



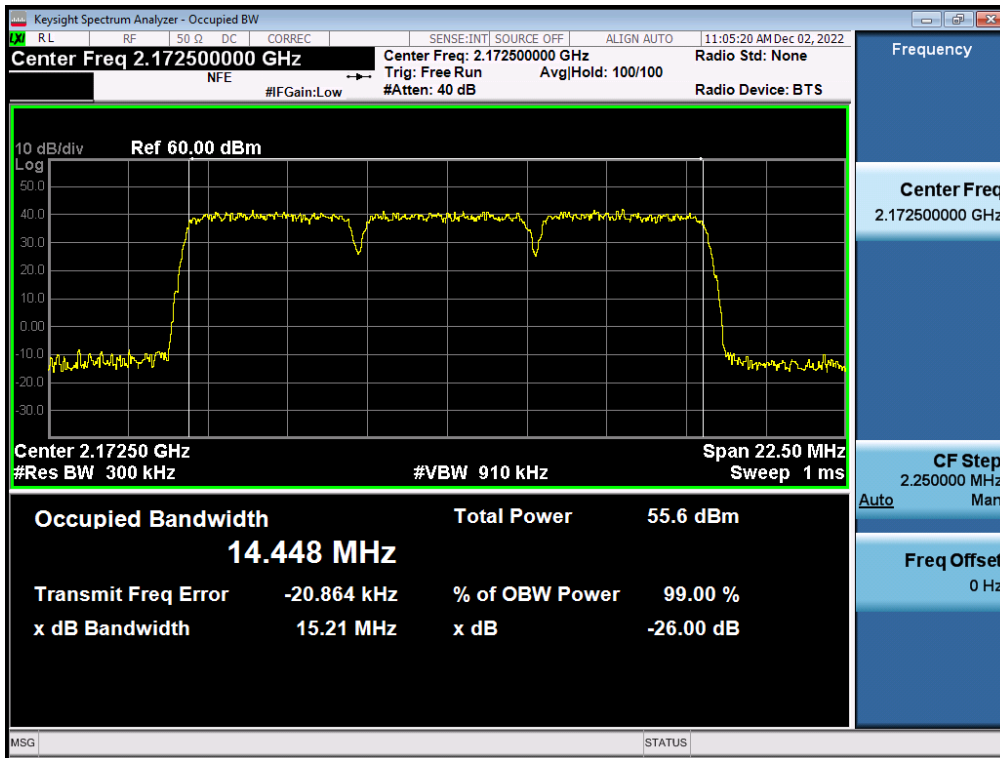
**Antenna 2 / (4 Port) 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + DSS B2 20 MHz 1 Carrier [3 Carrier] / 64QAM / Middle / Contiguous**



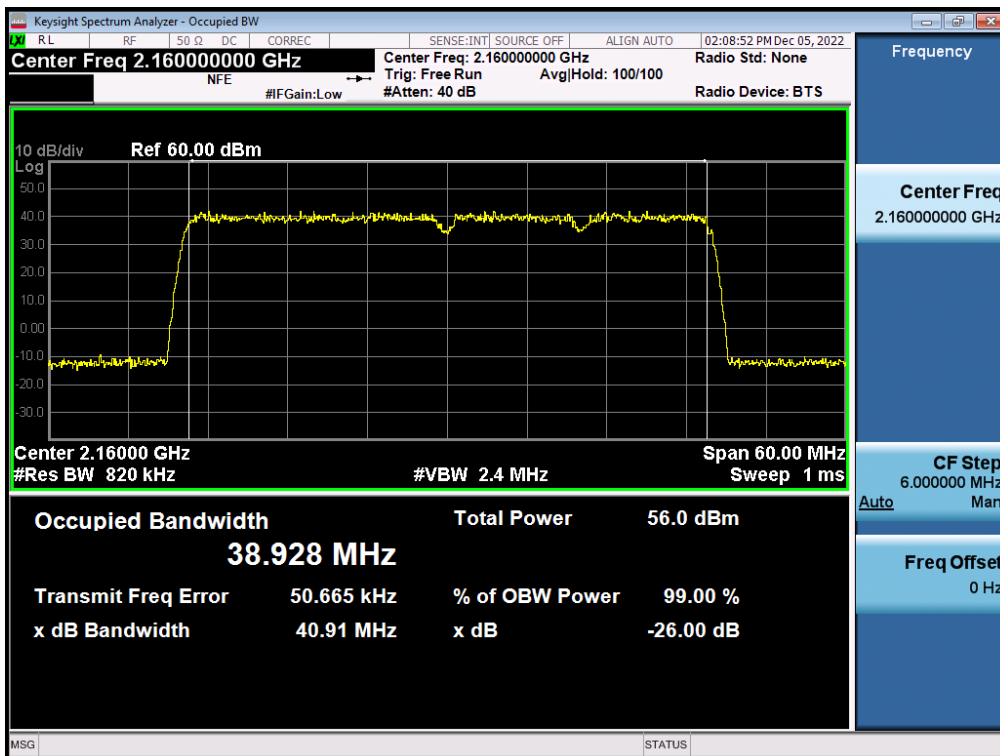
**Antenna 2 / (4 Port) DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier] / 16QAM / Low / Contiguous**



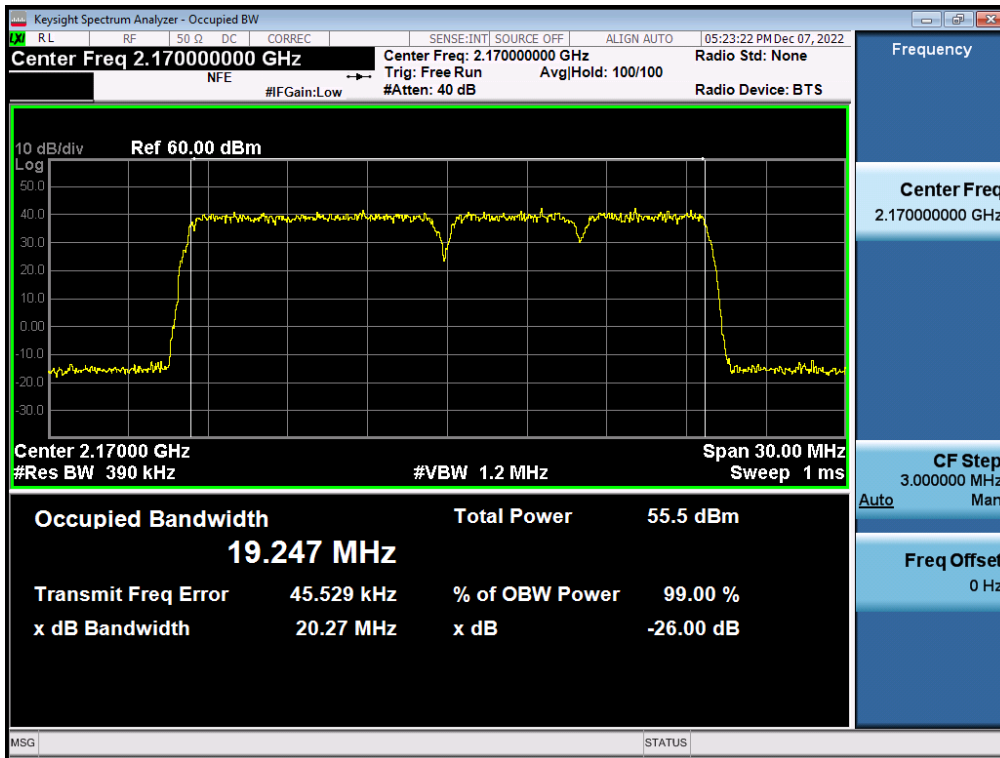
Antenna 3 / (4 Port) 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [3 Carrier] / 64QAM / High / Contiguous



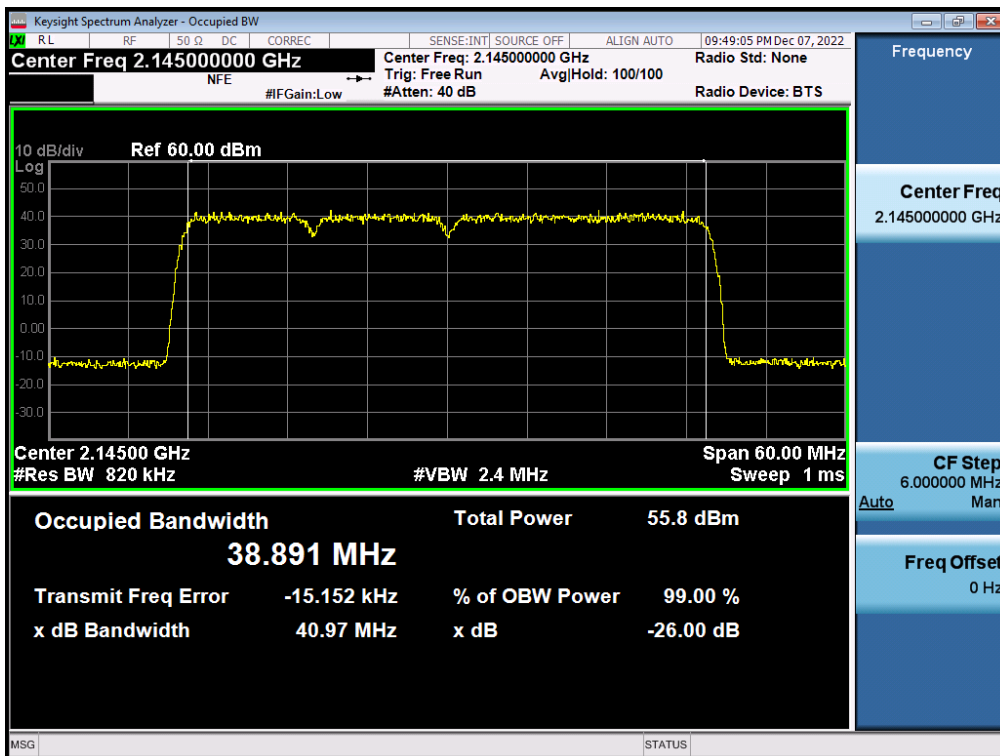
Antenna 1 / (4 Port) 5G NR n66 10 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [3 Carrier] / 64QAM / High / Contiguous



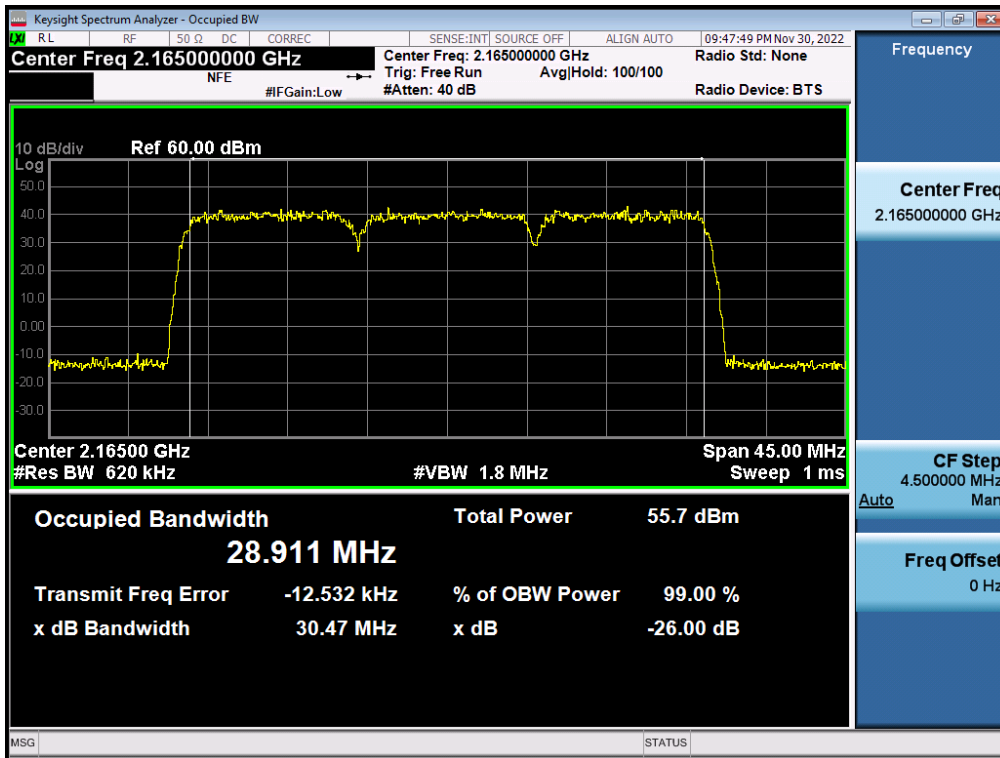
Antenna 1 / (4 Port) 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [3 Carrier] / 64QAM / High / Contiguous



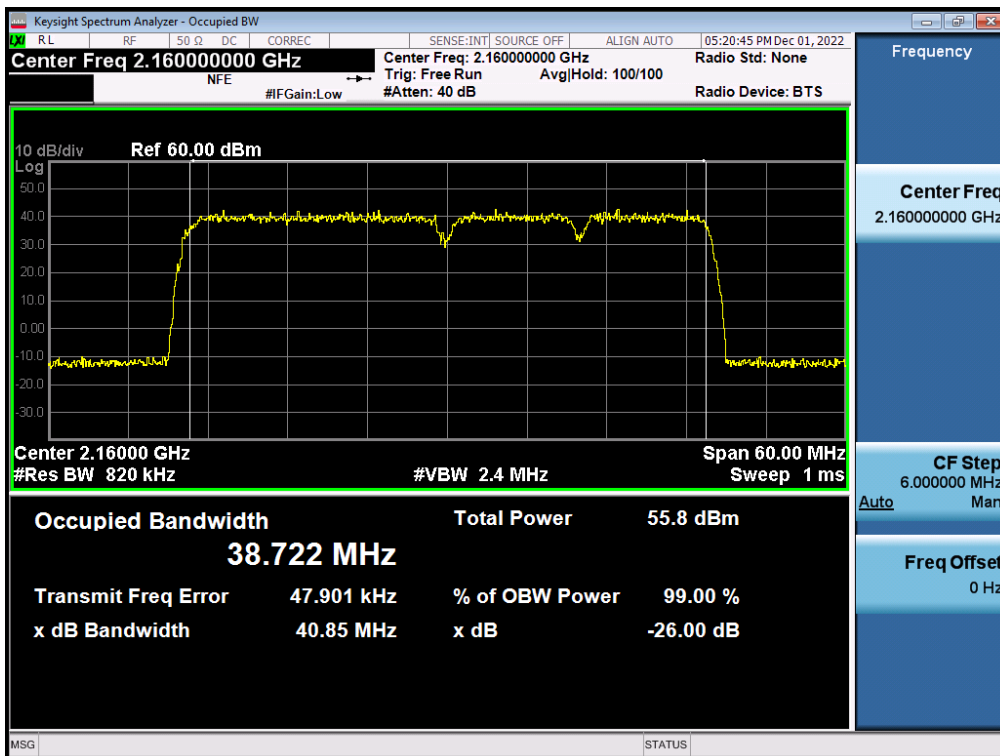
Antenna 1 / (4 Port) 5G NR n66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [3 Carrier] / 64QAM / Middle / Contiguous

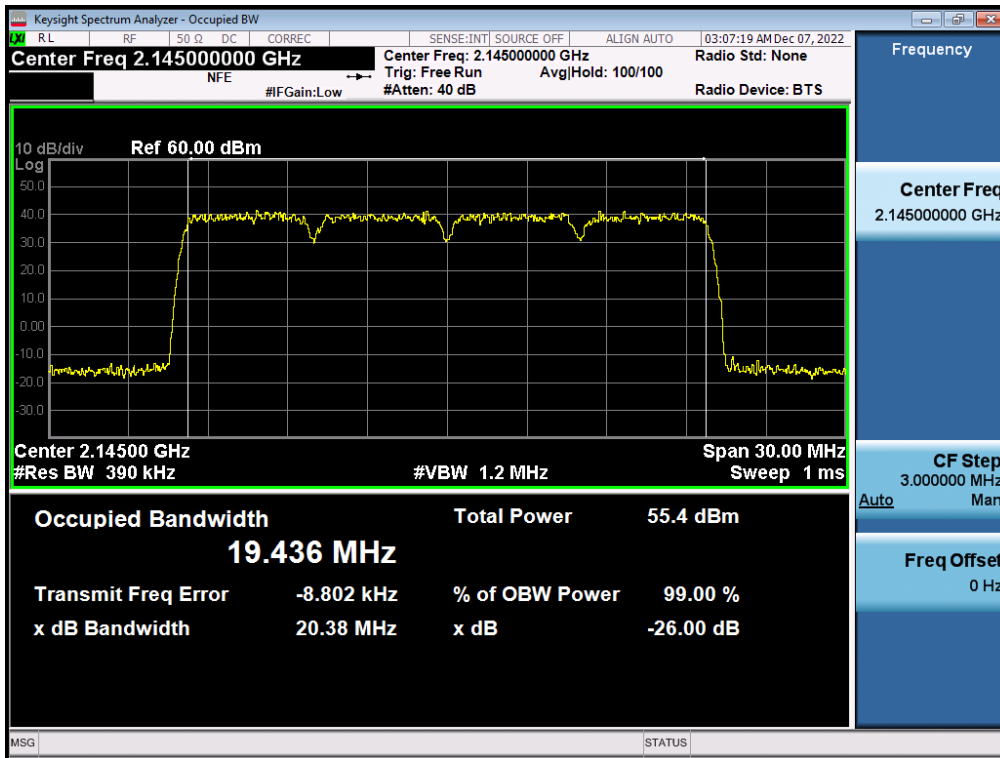
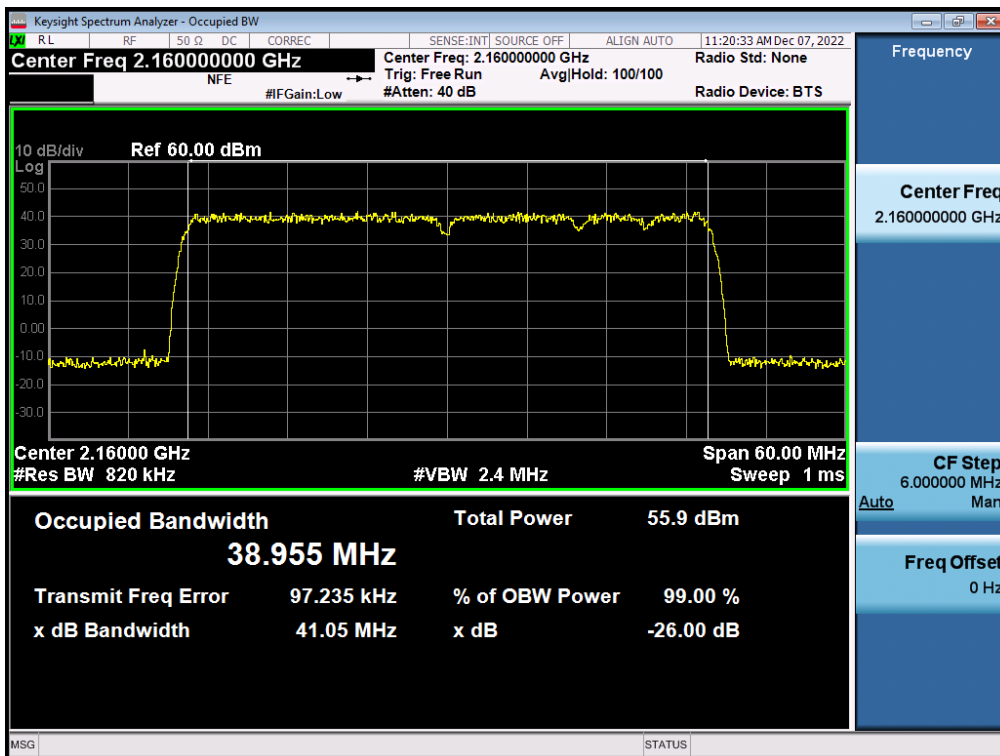


Antenna 1 / (4 Port) DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [3 Carrier] / 16QAM / High / Contiguous

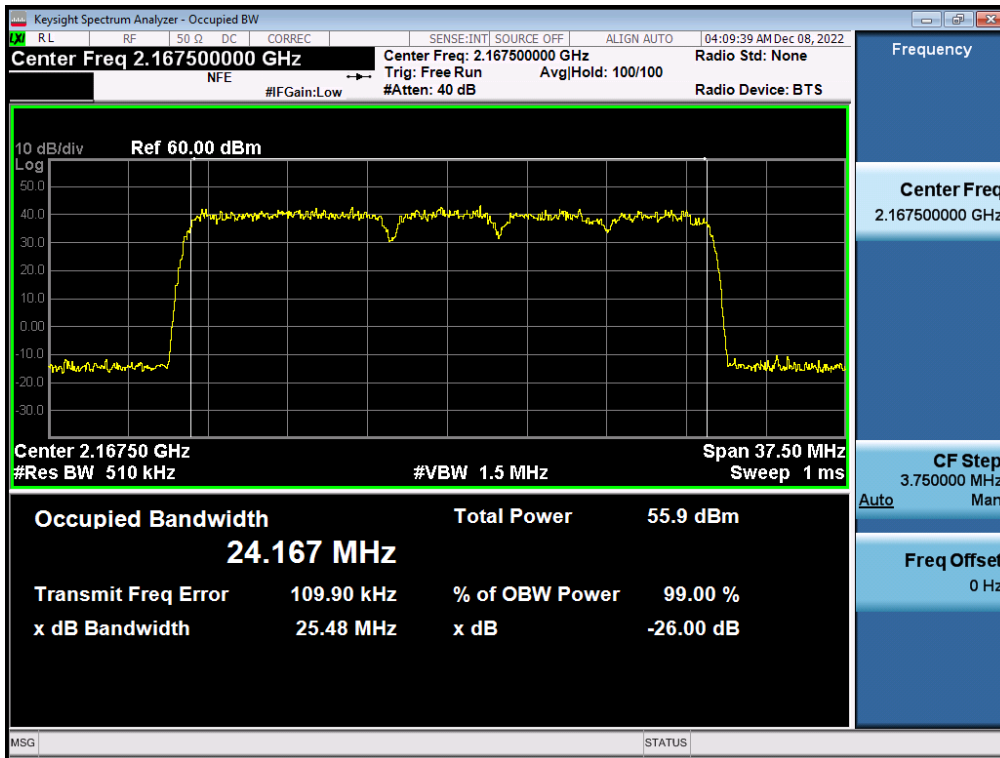


Antenna 1 / (4 Port) DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 20 MHz 1 Carrier [3 Carrier] / 256QAM / High / Contiguous

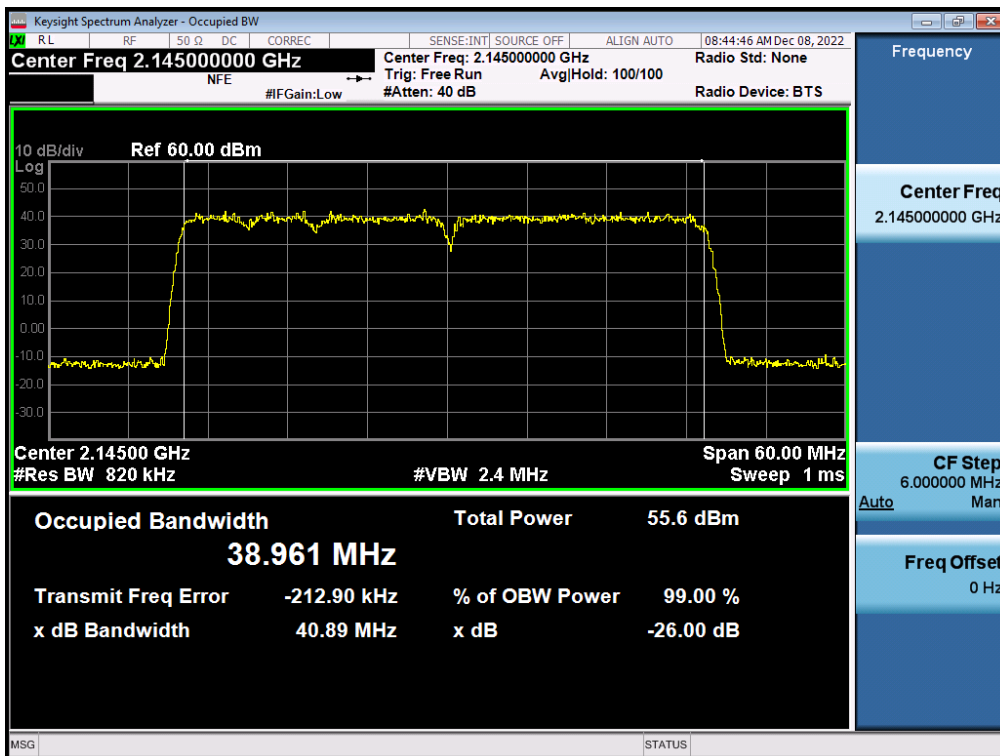


**Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [4 Carrier] / 64QAM / Middle / Contiguous**

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


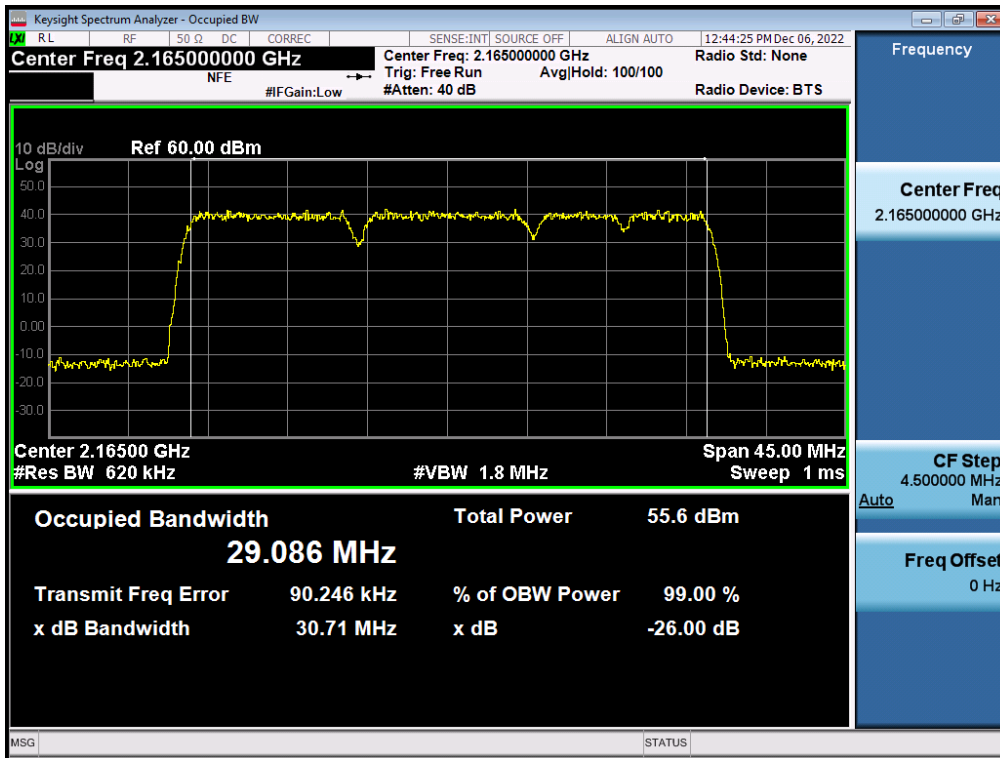
Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [4 Carrier] / 16QAM / High / Contiguous



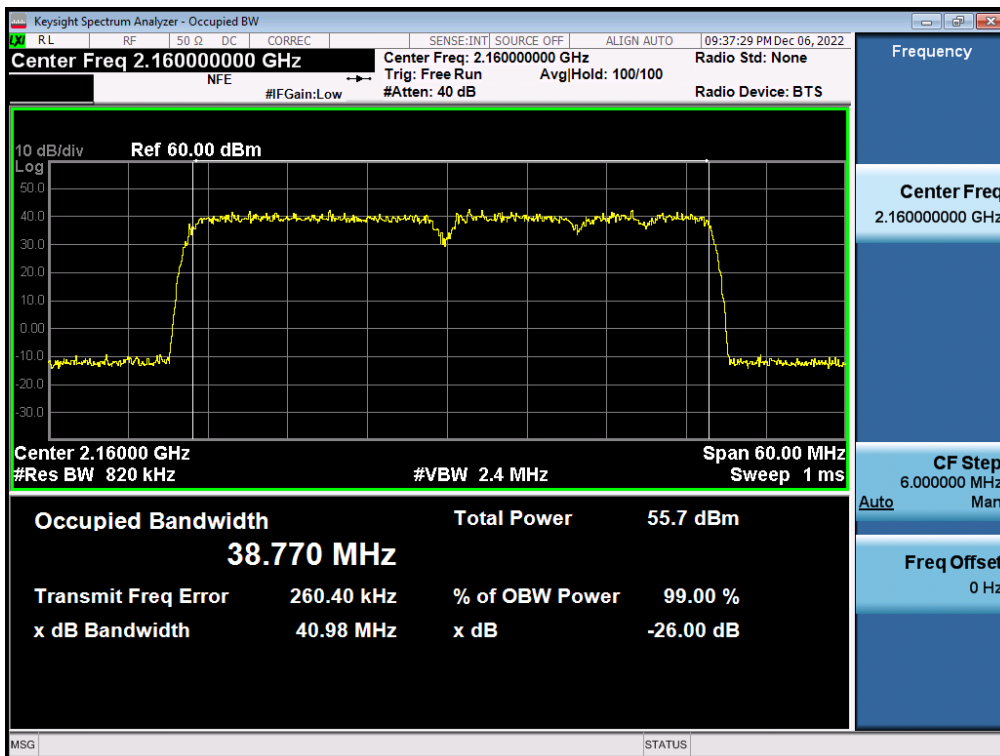
Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 20 MHz 1 Carrier [4 Carrier] / 64QAM / Middle / Contiguous



Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [4 Carrier] / 256QAM / High / Contiguous

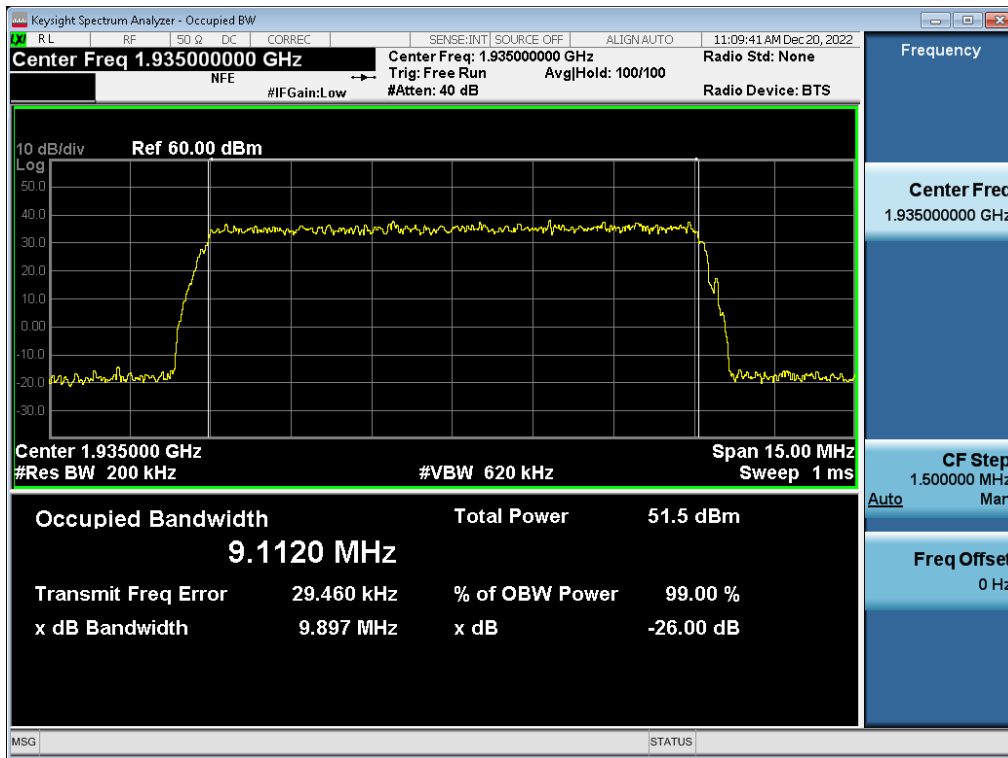


Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 20 MHz 1 Carrier [4 Carrier] / 256QAM / High / Contiguous

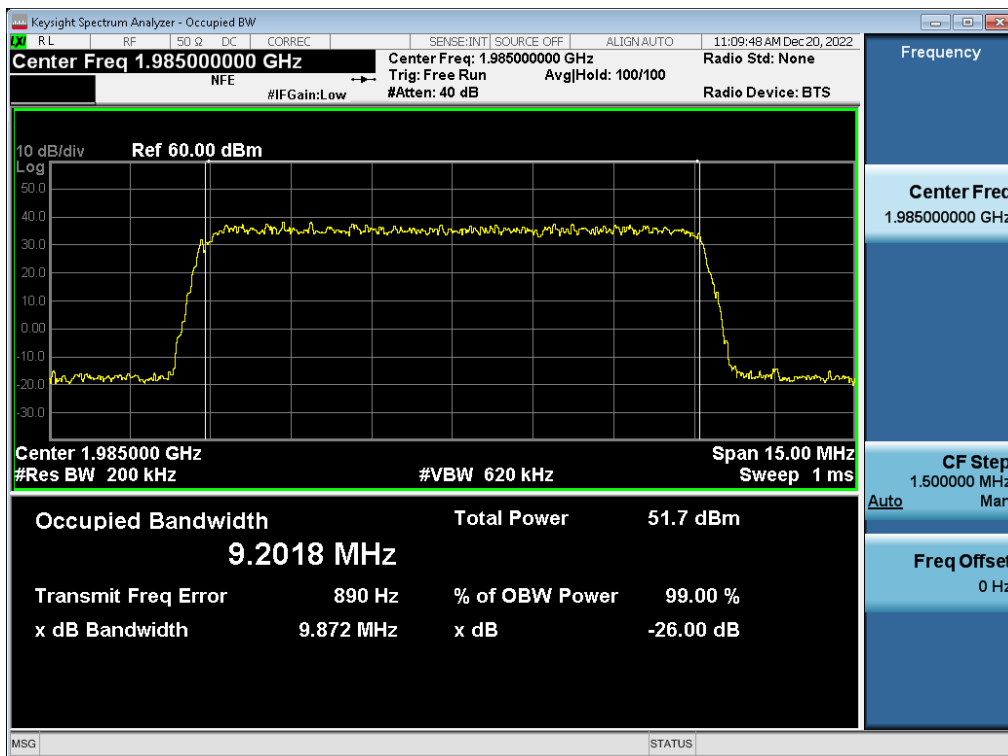




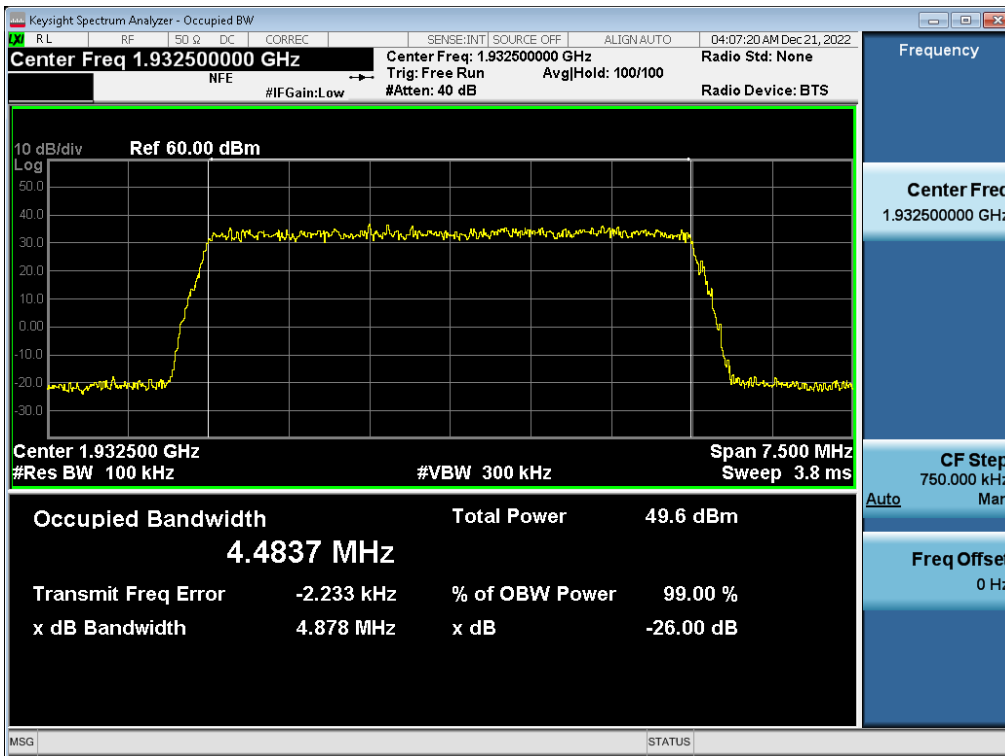
Antenna 1 / (2 Port) DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [2 Carrier] / DSS B2 10 MHz 1 Carrier / 256QAM / Low / Non-Contiguous



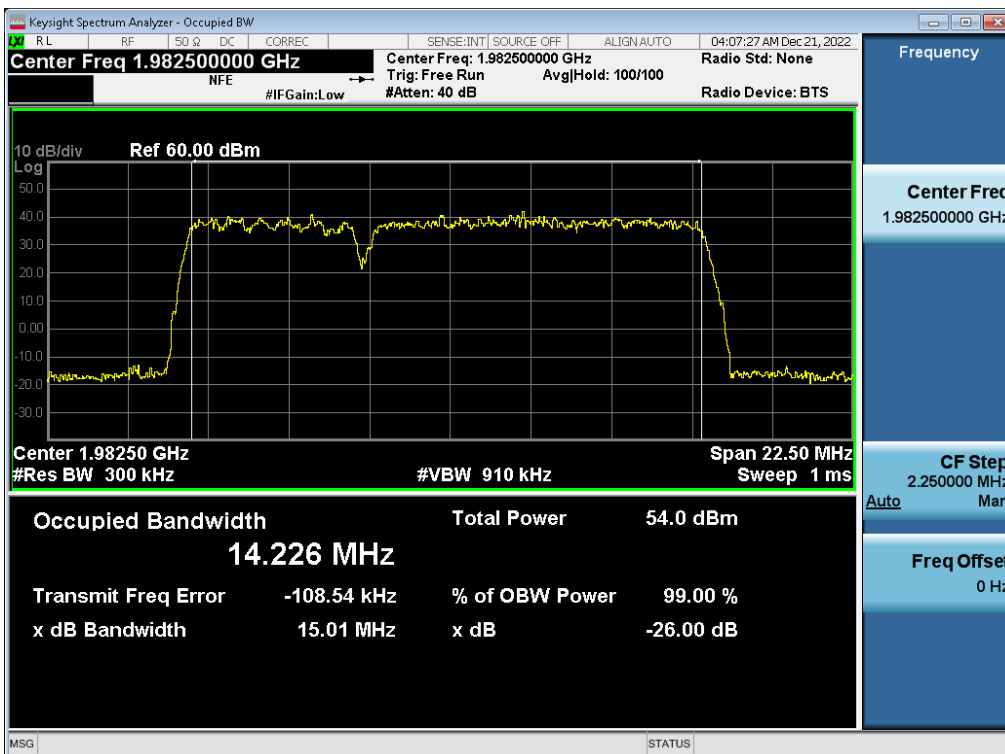
Antenna 1 / (2 Port) DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [2 Carrier] / DSS B2 10 MHz 1 Carrier / 256QAM / High / Non-Contiguous



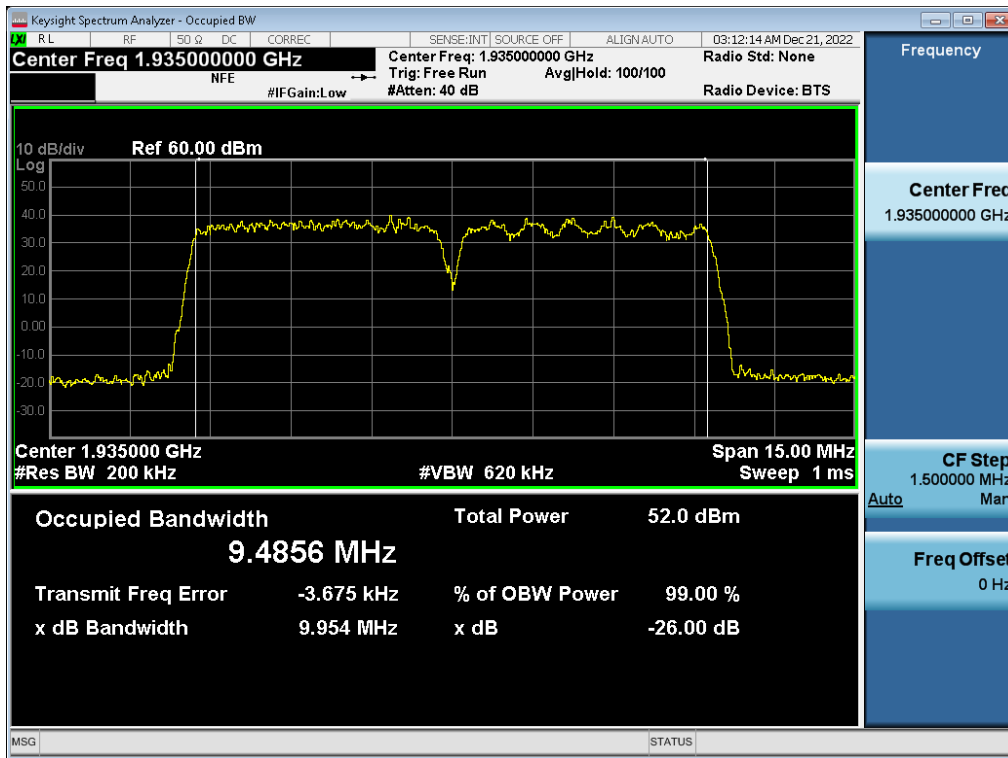
Antenna 1 / (2 Port) LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier] [1C+2C] / LTE B2 5 MHz 1 Carrier / 16QAM / Low / Non-Contiguous



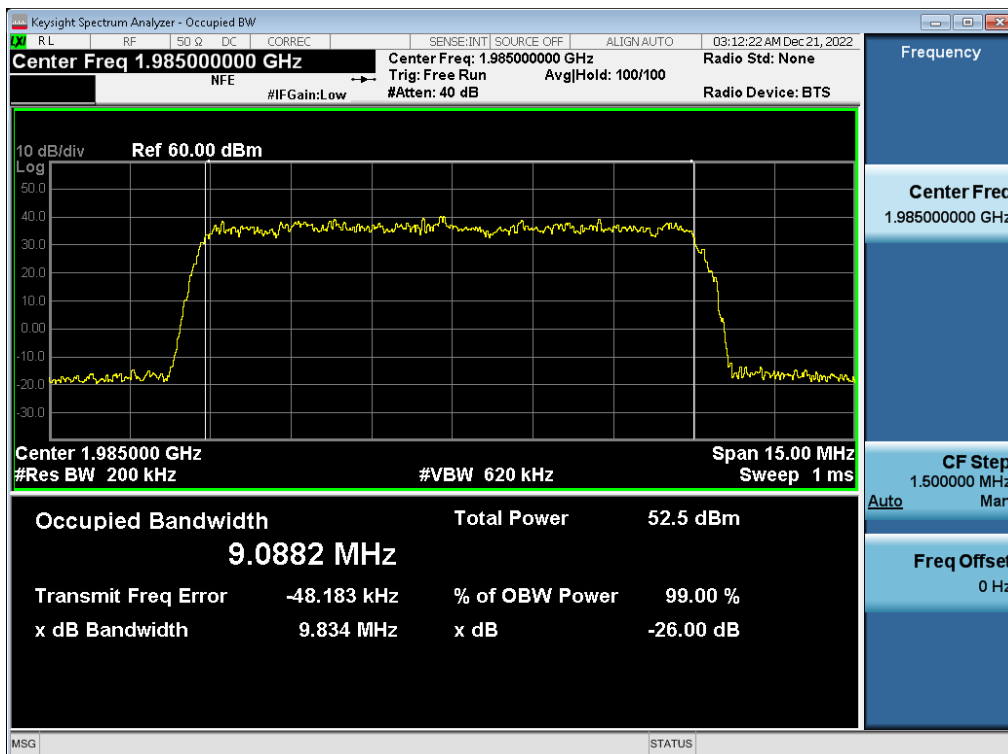
Antenna 1 / (2 Port) LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier] [1C+2C] / 5G NR n2 5 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier / 16QAM / High / Non-Contiguous



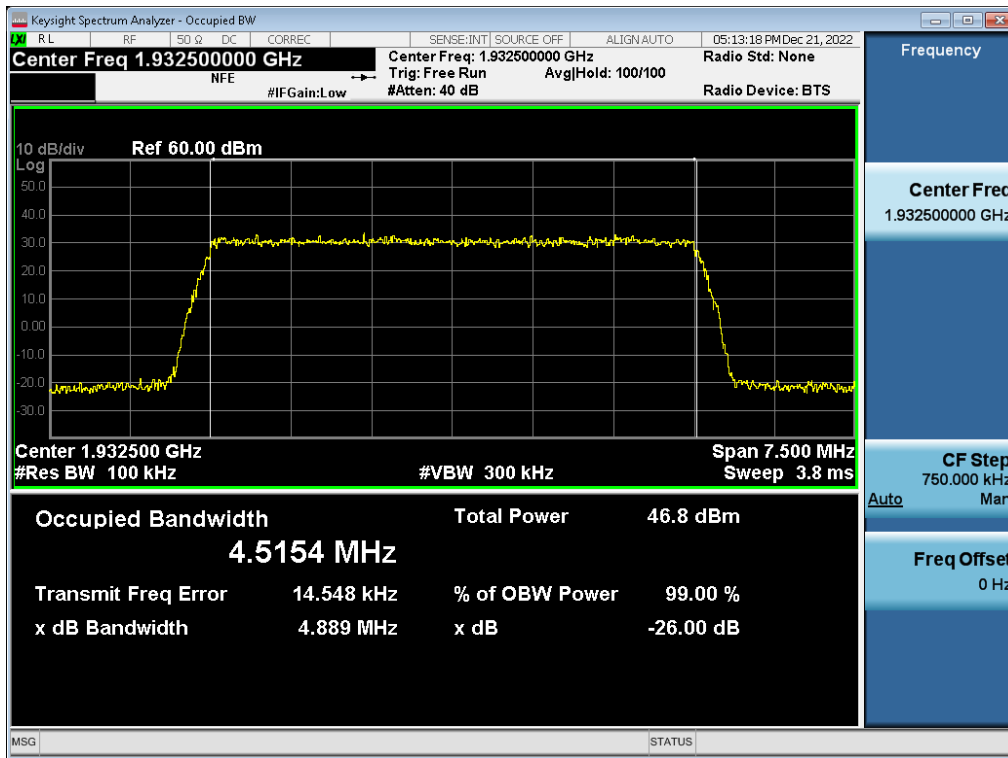
Antenna 1 / (2 Port) LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier] [2C+1C] / LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier / 16QAM / Low / Non-Contiguous



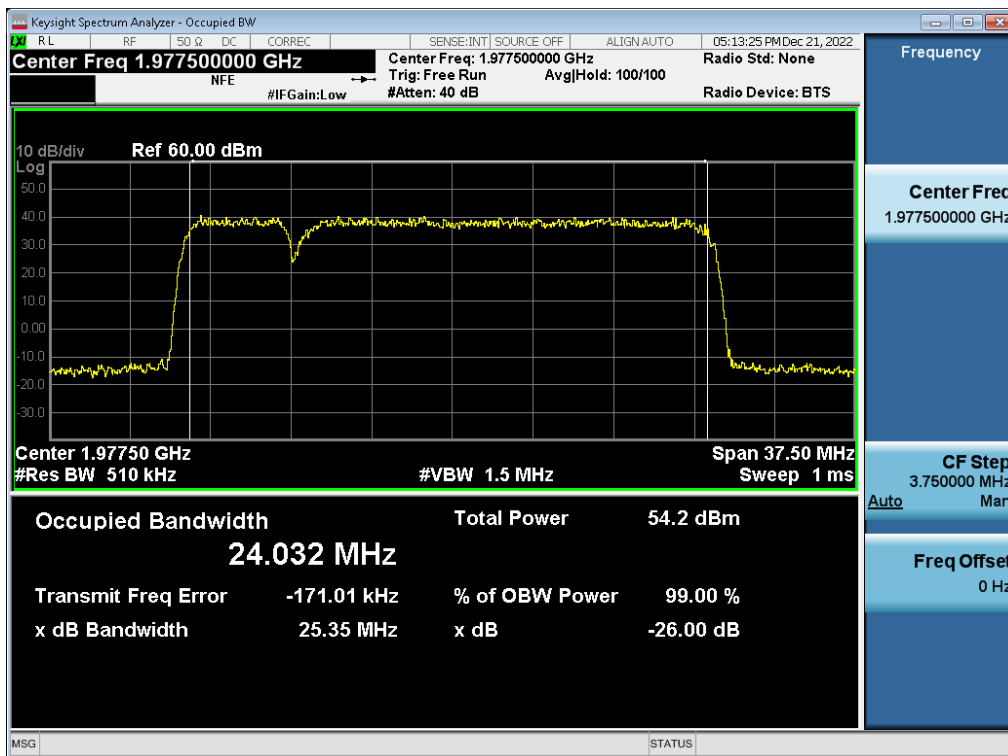
Antenna 1 / (2 Port) LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier] [2C+1C] / DSS B2 10 MHz 1 Carrier / 16QAM / High / Non-Contiguous

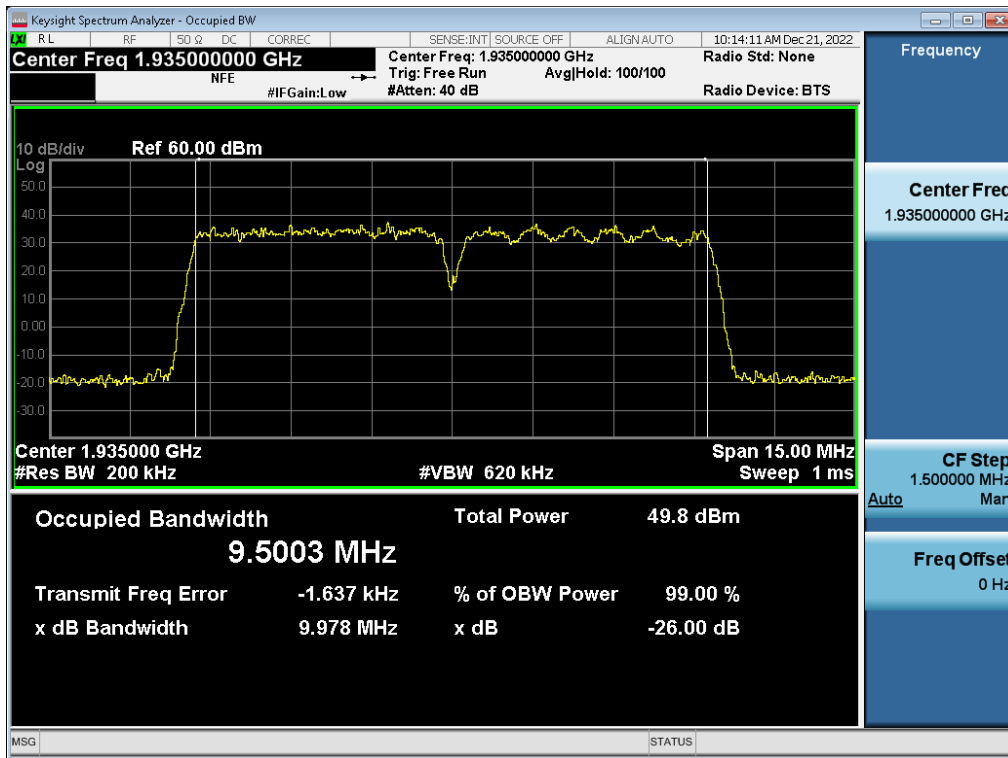
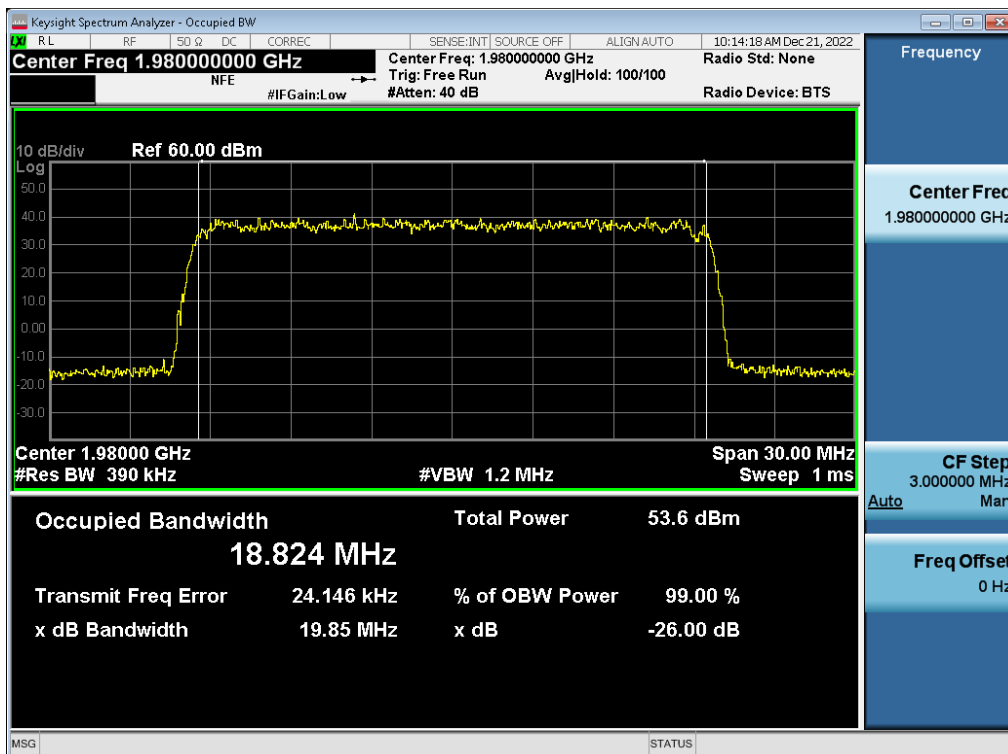


Antenna 1 / (2 Port) LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + DSS B2 20 MHz 1 Carrier [3 Carrier] [1C+2C] / LTE B2 5 MHz 1 Carrier / 256QAM / Low / Non-Contiguous

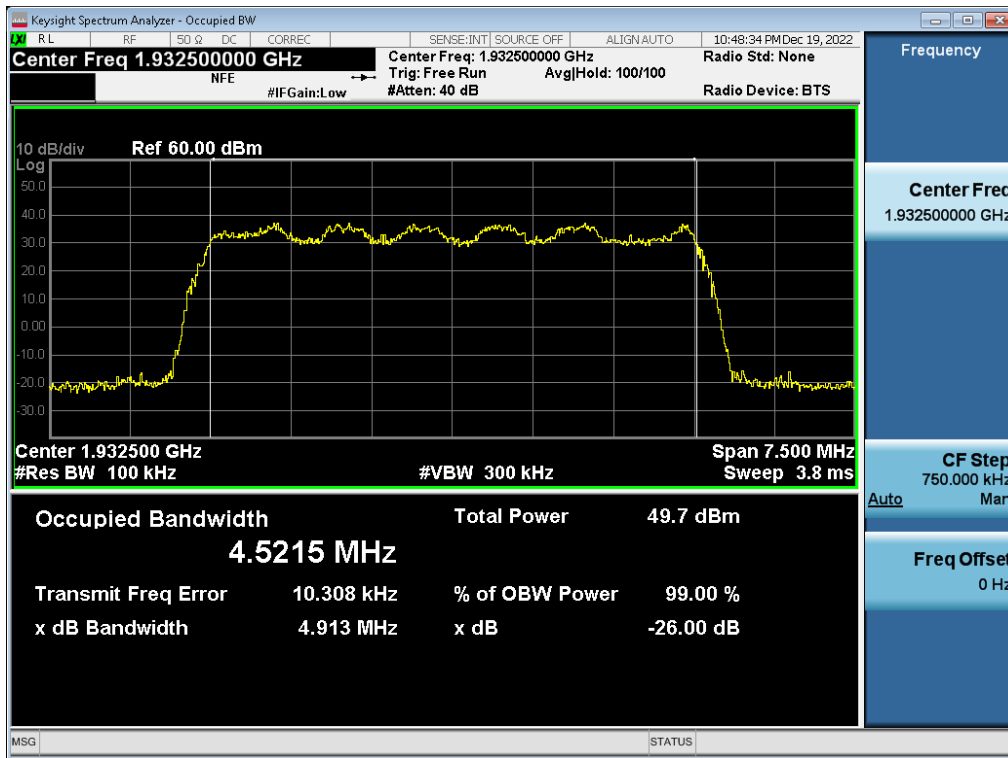


Antenna 1 / (2 Port) LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + DSS B2 20 MHz 1 Carrier [3 Carrier] [1C+2C] / 5G NR n2 5 MHz 1 Carrier + DSS B2 20 MHz 1 Carrier / 256QAM / High / Non-Contiguous

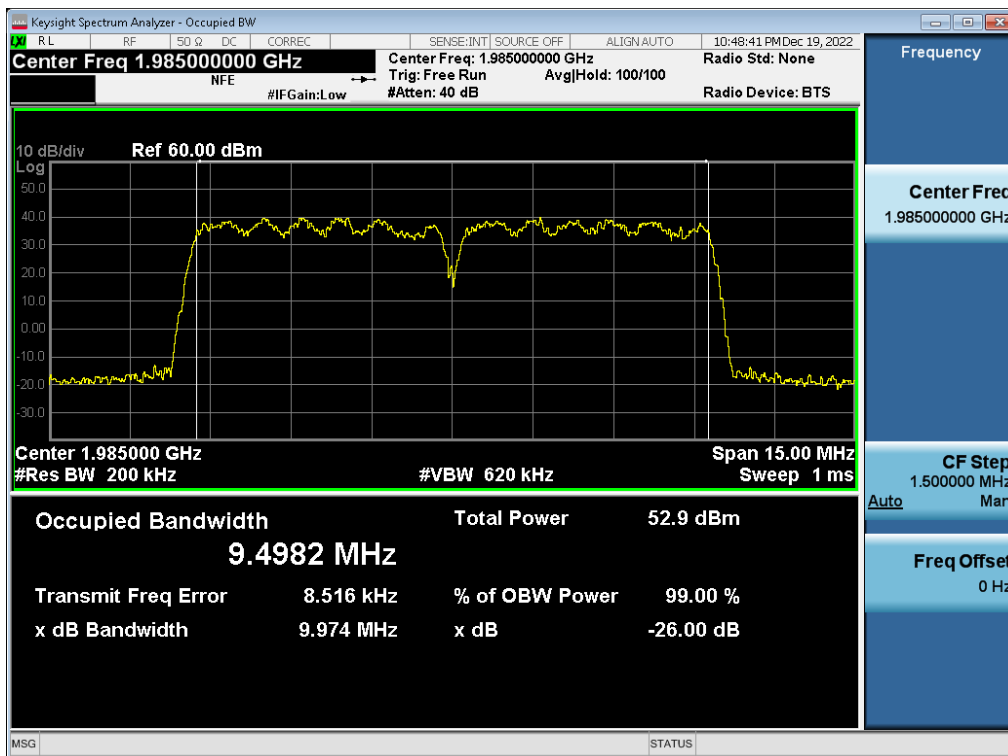


**Antenna 1 / (2 Port) LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + DSS B2 20 MHz 1 Carrier [3 Carrier] [2C+1C] / LTE B2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier / 16QAM / Low / Non-Contiguous**

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


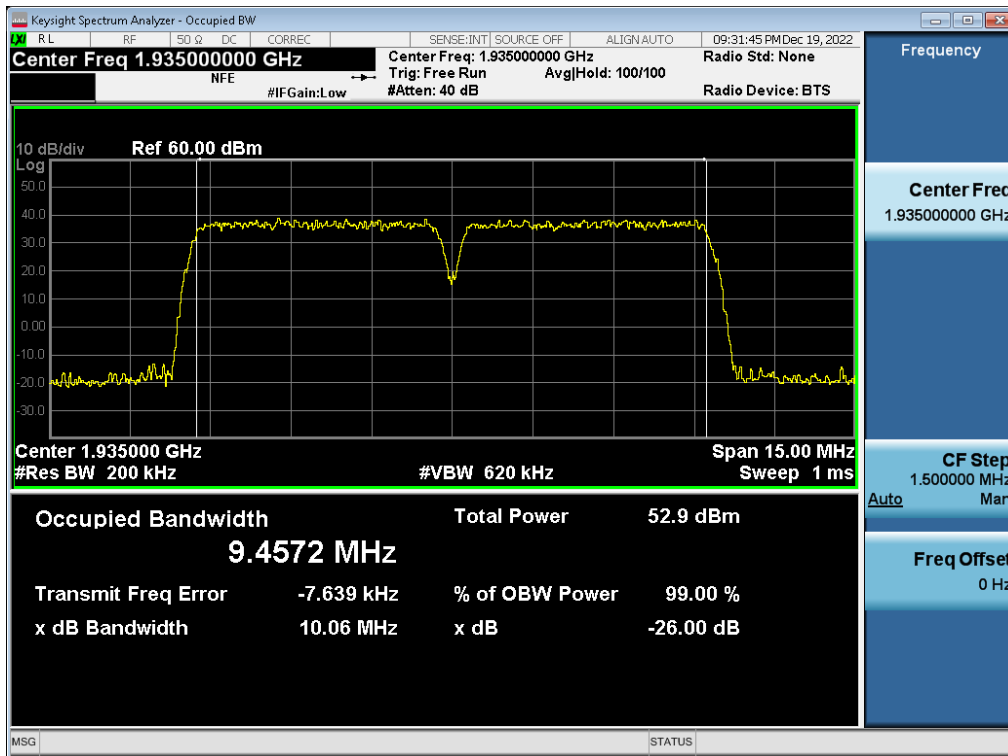
Antenna 1 / (2 Port) 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier [3 Carrier] [1C+2C]  
/ 5G NR n2 5 MHz 1 Carrier / 16QAM / Low / Non-Contiguous



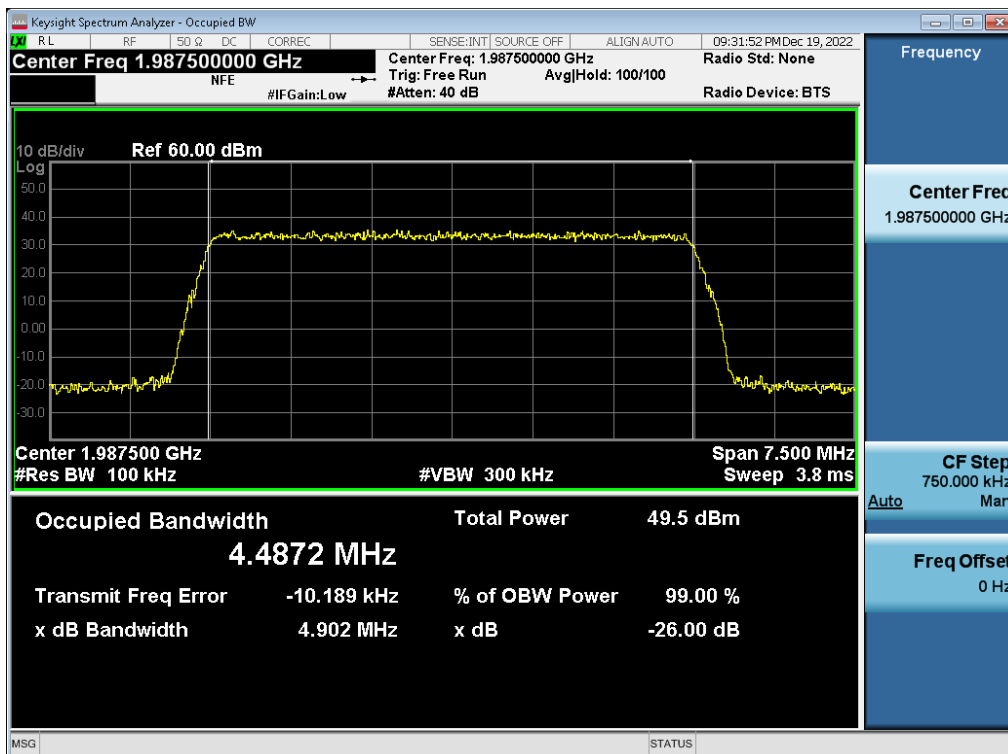
Antenna 1 / (2 Port) 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier [3 Carrier] [1C+2C]  
/ 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier / 16QAM / High / Non-Contiguous



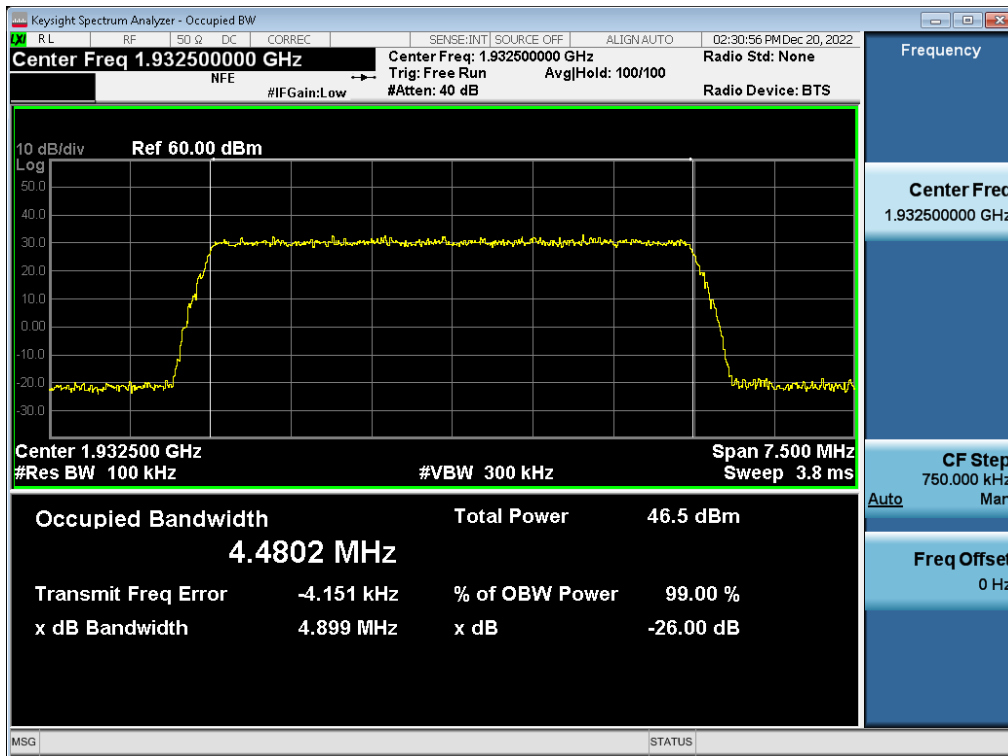
Antenna 0 / (2 Port) 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier [3 Carrier] [2C+1C]  
/ 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier / QPSK / Low / Non-Contiguous



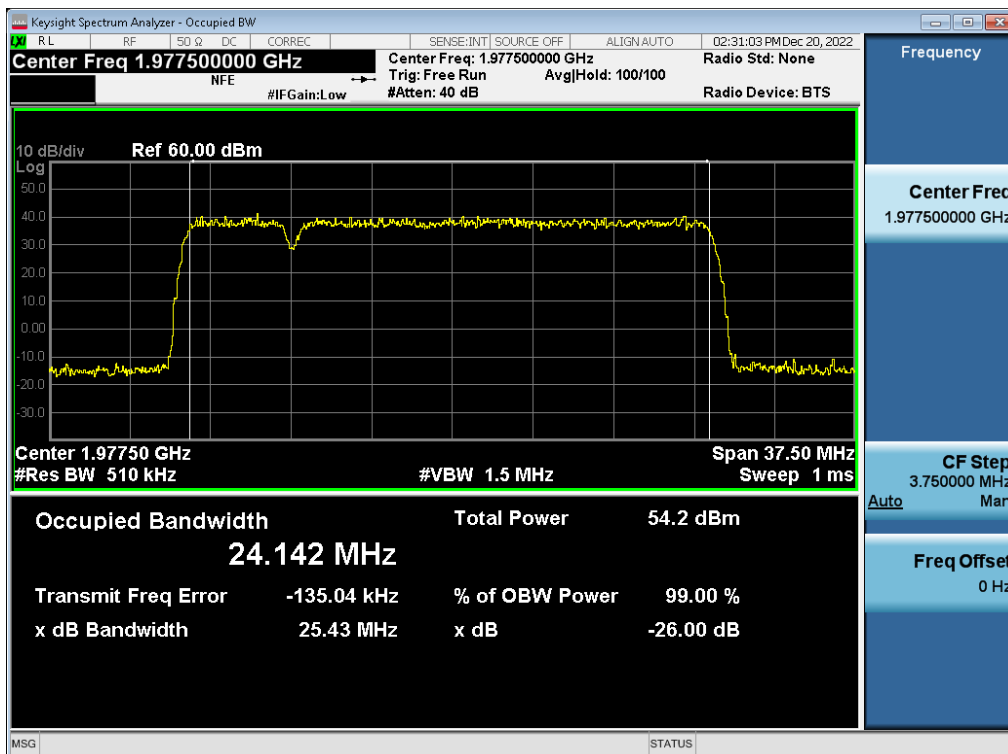
Antenna 0 / (2 Port) 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier [3 Carrier] [2C+1C]  
/ 5G NR n2 5 MHz 1 Carrier / QPSK / High / Non-Contiguous



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

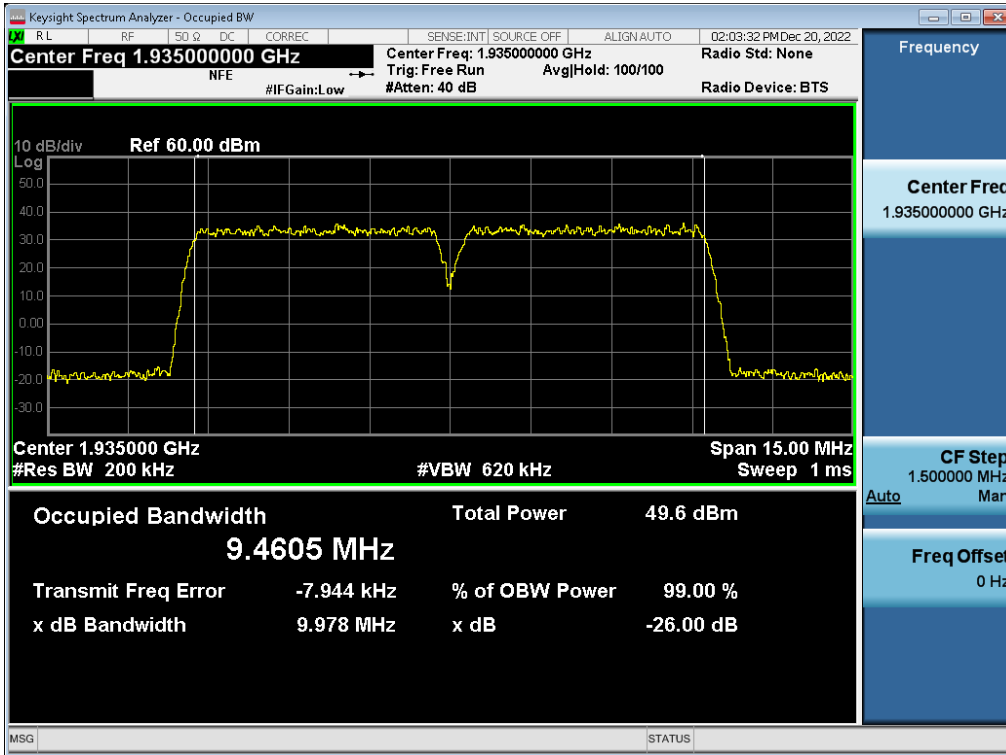


Antenna 1 / (2 Port) 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + 5G NR n2 20 MHz 1 Carrier [3 Carrier]  
 [1C+2C] / 5G NR n2 5 MHz 1 Carrier + 5G NR n2 20 MHz 1 Carrier / QPSK / High / Non-Contiguous

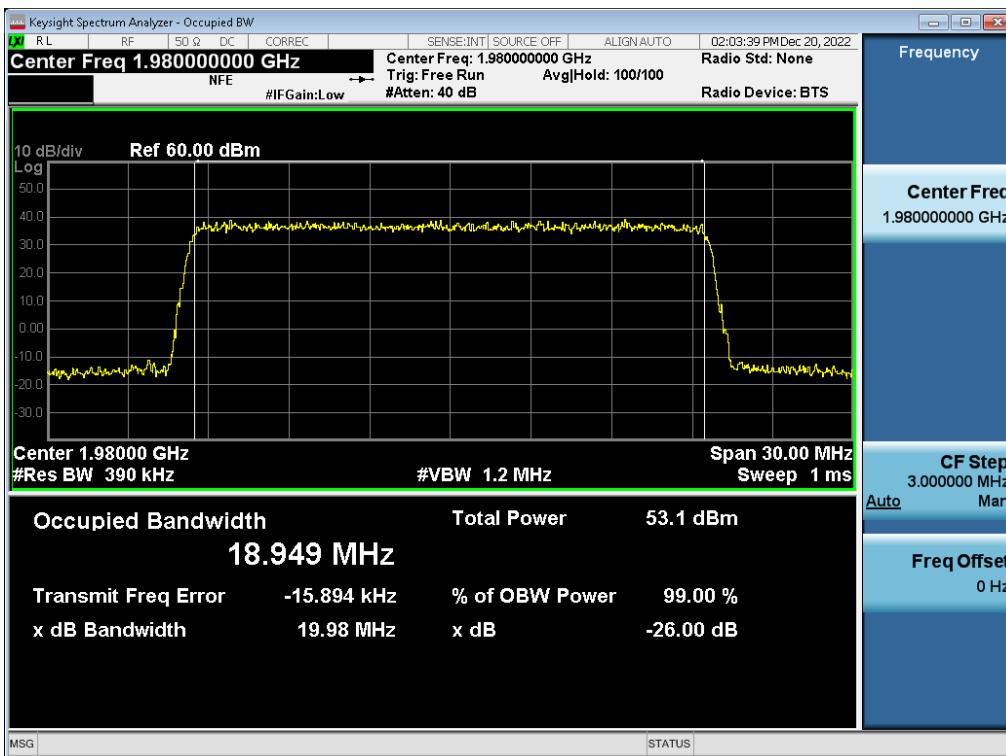




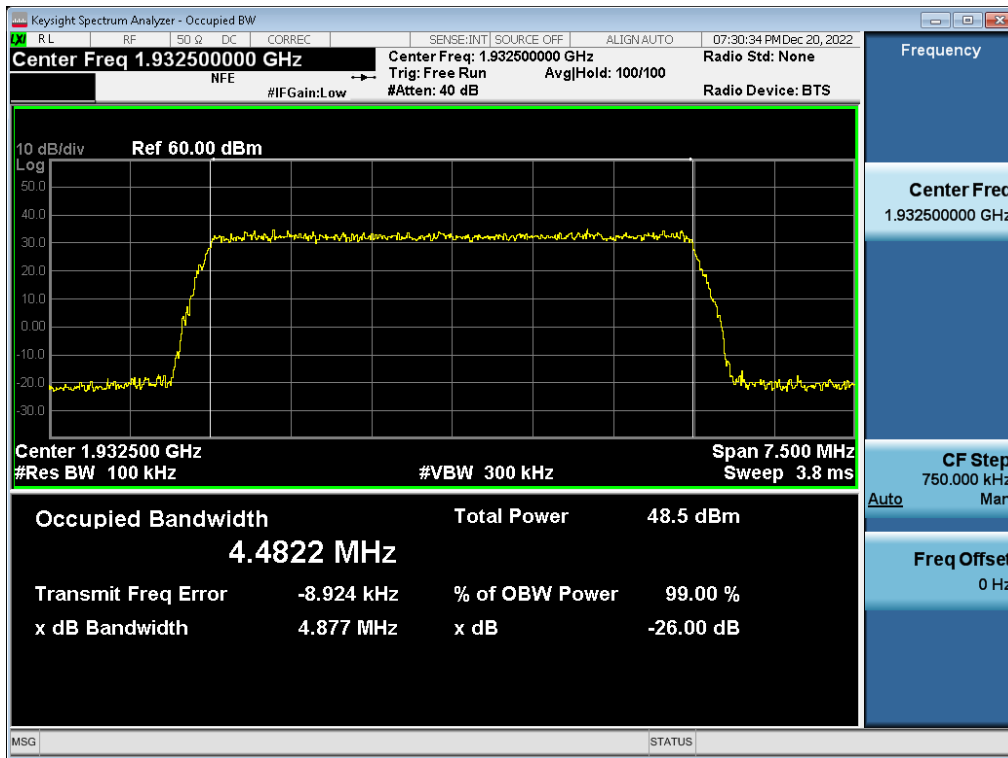
**Antenna 1 / (2 Port) 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + 5G NR n2 20 MHz 1 Carrier [3 Carrier] [2C+1C] / 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier / 64QAM / Low / Non-Contiguous**



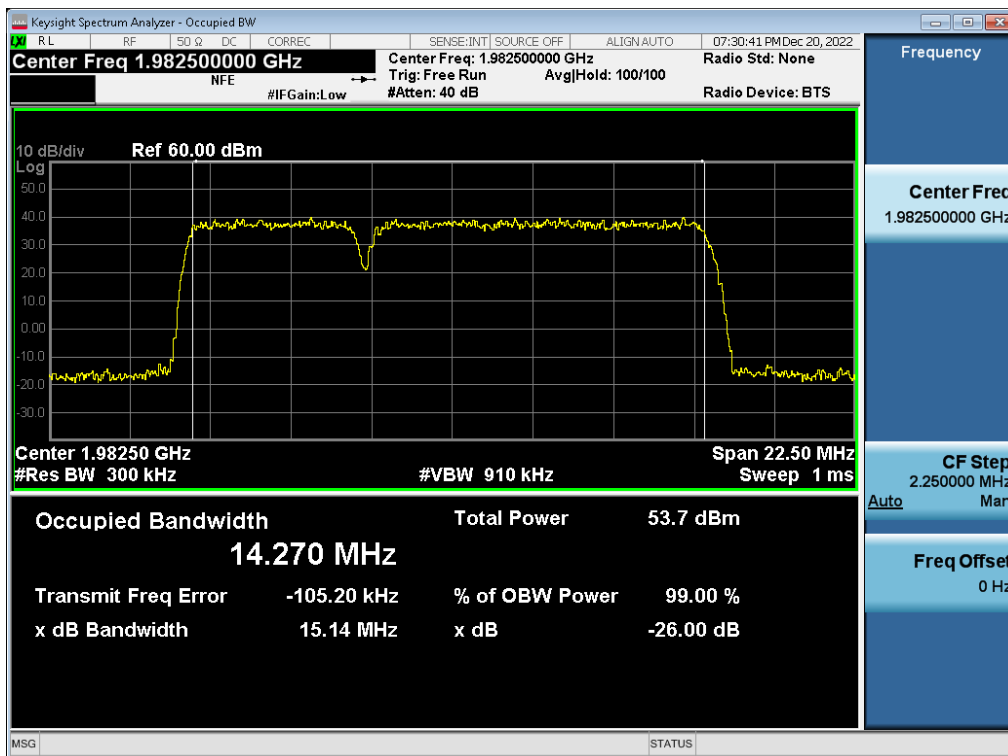
**Antenna 1 / (2 Port) 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + 5G NR n2 20 MHz 1 Carrier [3 Carrier] [2C+1C] / 5G NR n2 20 MHz 1 Carrier / 64QAM / High / Non-Contiguous**



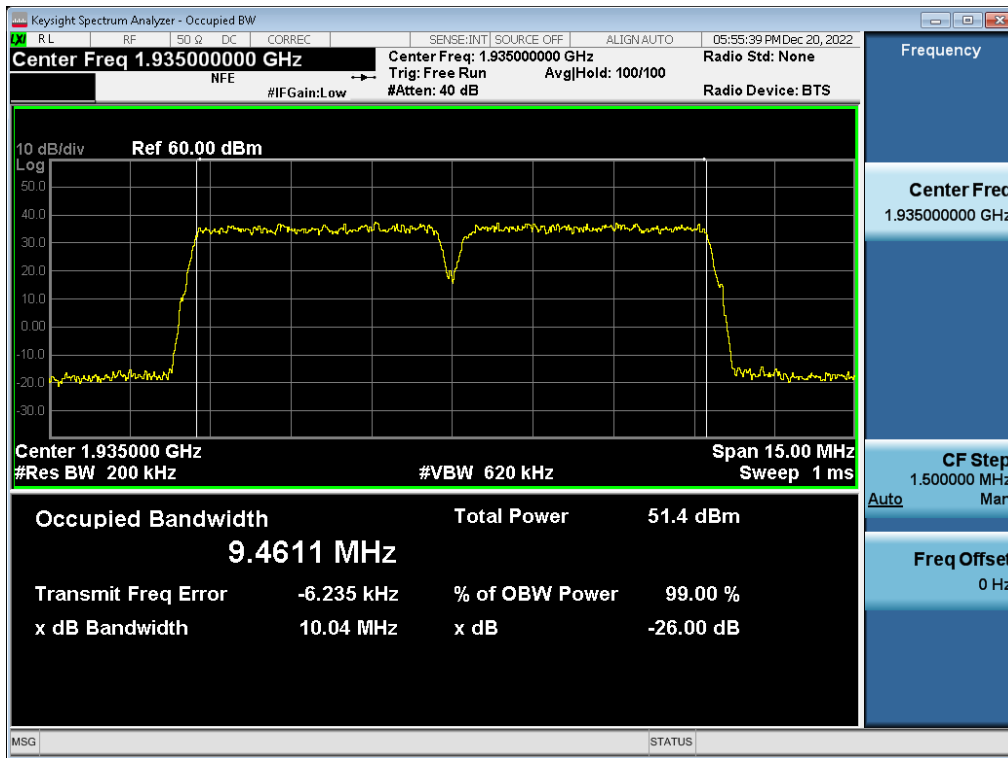
Antenna 1 / (2 Port) 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier] [1C+2C] / 5G NR n2 5 MHz 1 Carrier / 256QAM / Low / Non-Contiguous



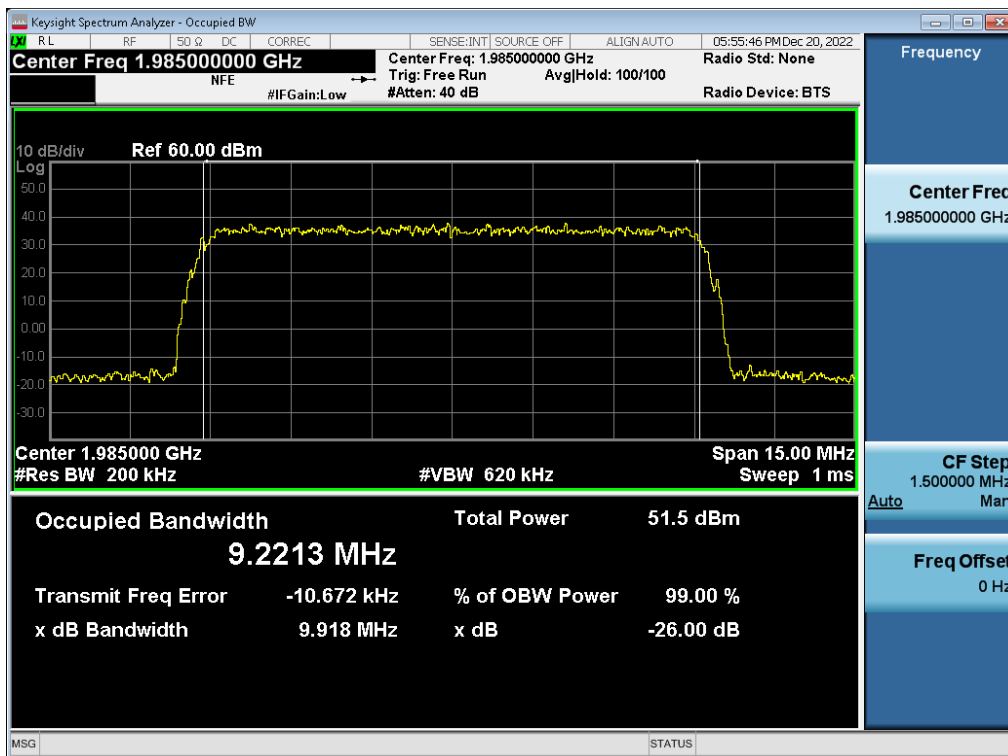
Antenna 1 / (2 Port) 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier] [1C+2C] / 5G NR n2 5 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier / 256QAM / High / Non-Contiguous



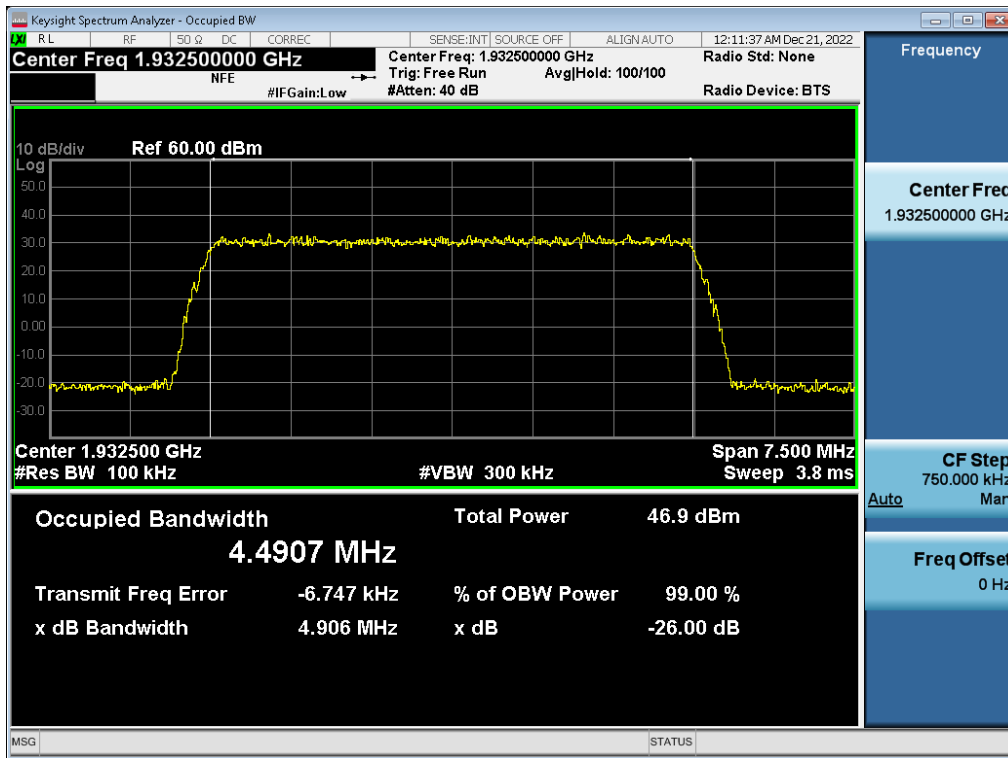
Antenna 1 / (2 Port) 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier] [2C+1C] / 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier / QPSK / Low / Non-Contiguous



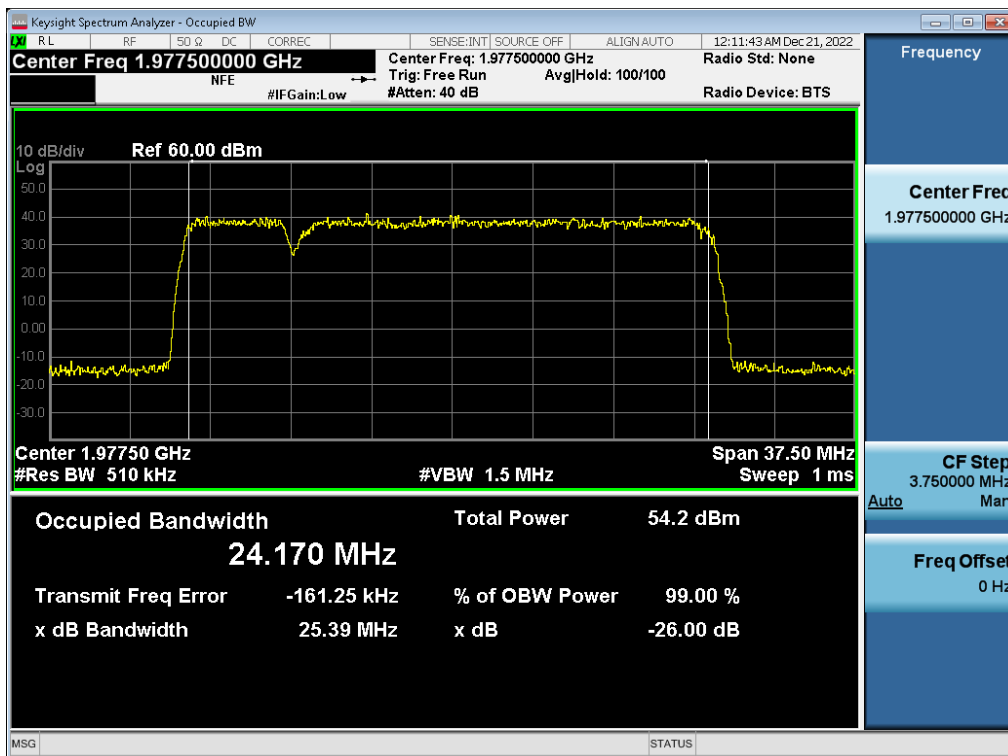
Antenna 1 / (2 Port) 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier] [2C+1C] / DSS B2 10 MHz 1 Carrier / QPSK / High / Non-Contiguous

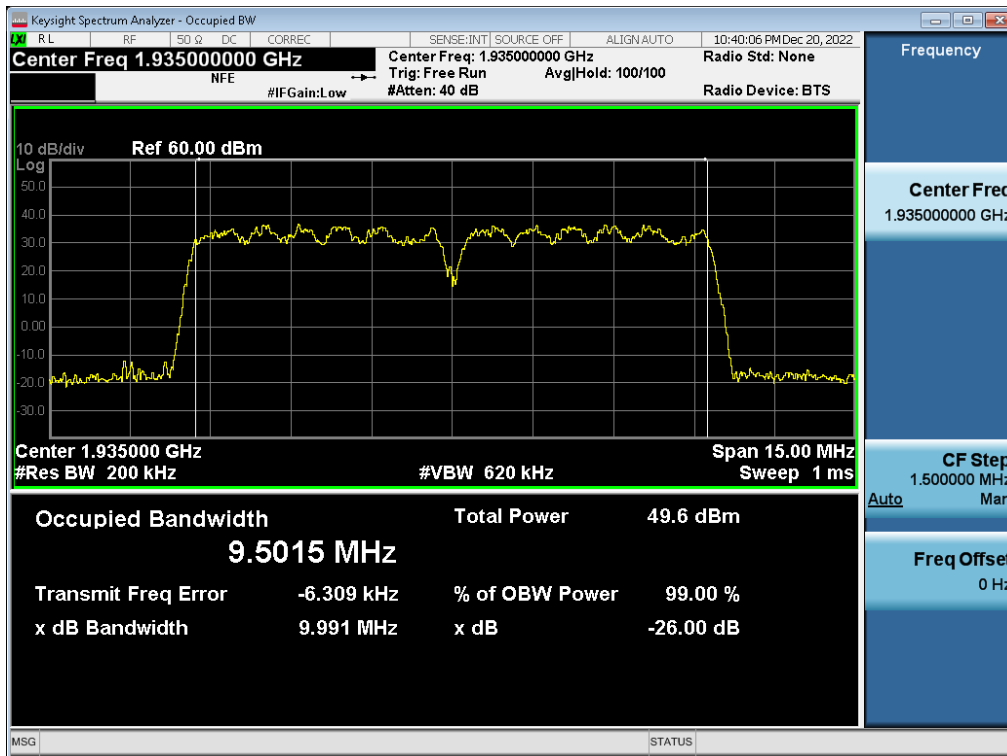
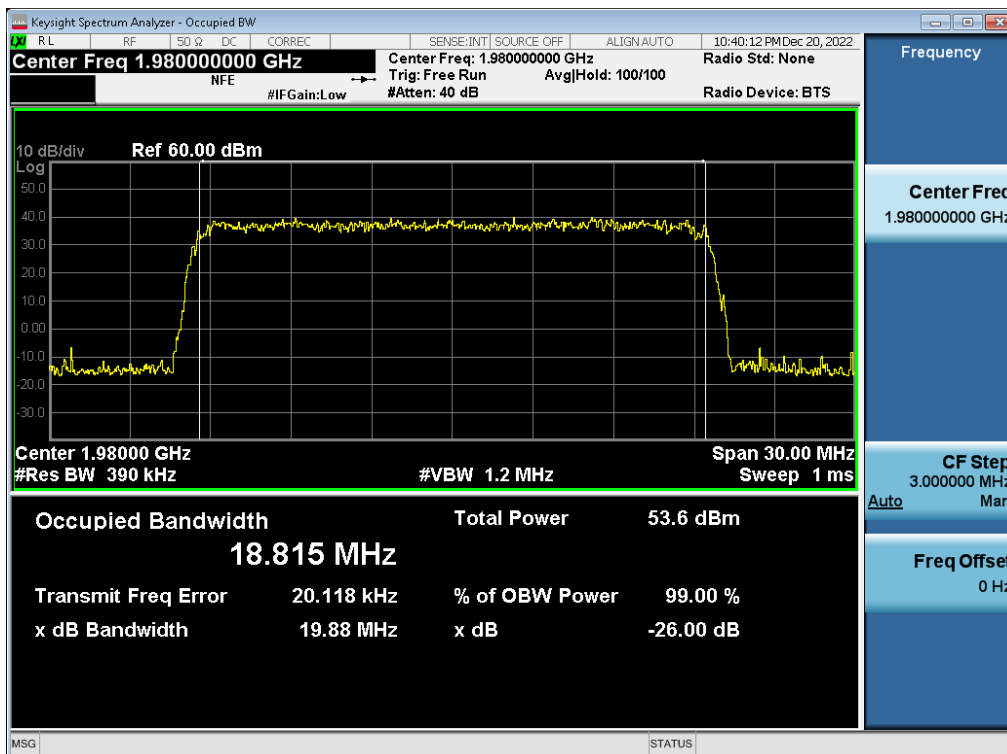


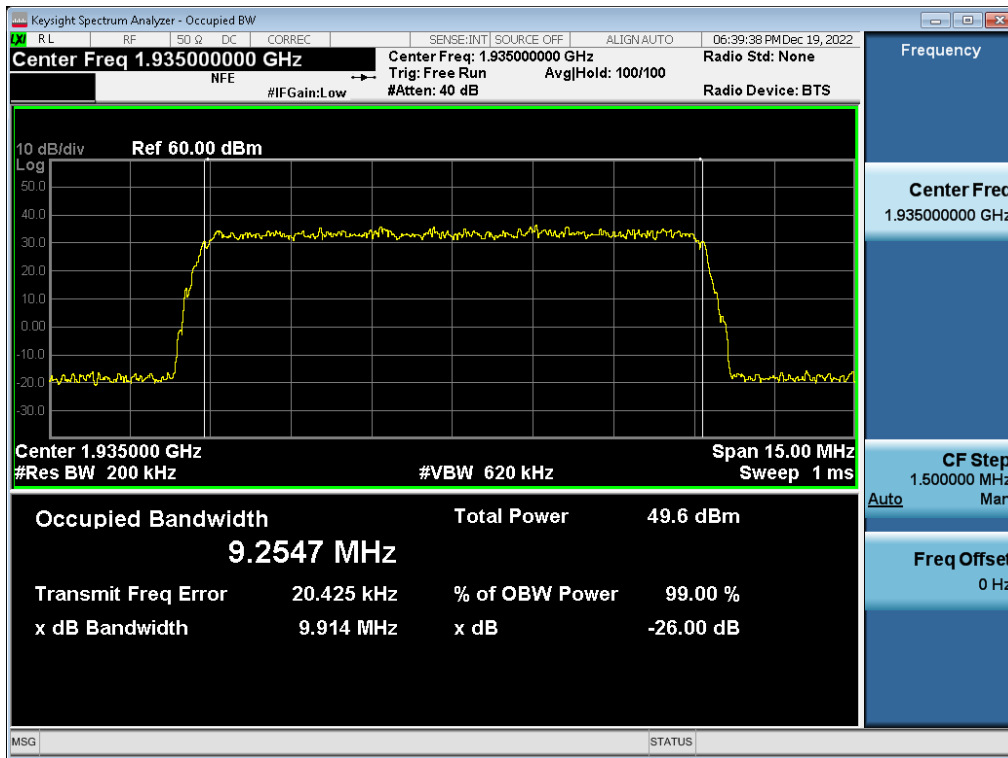
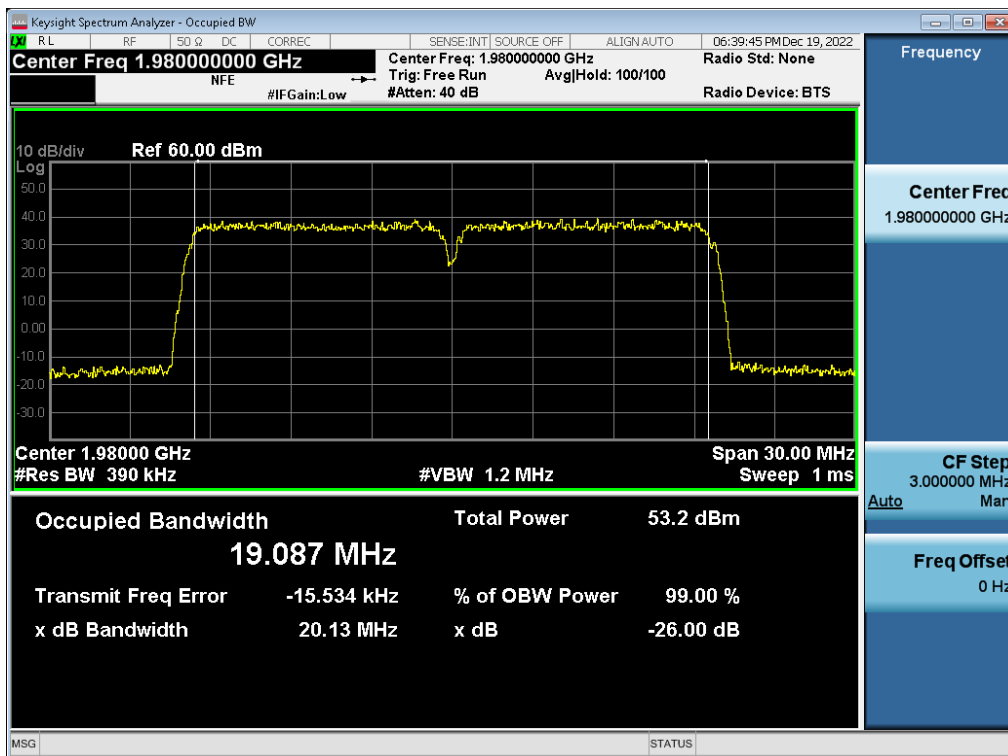
Antenna 1 / (2 Port) 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + DSS B2 20 MHz 1 Carrier [3 Carrier] [1C+2C] / 5G NR n2 5 MHz 1 Carrier / 256QAM / Low / Non-Contiguous



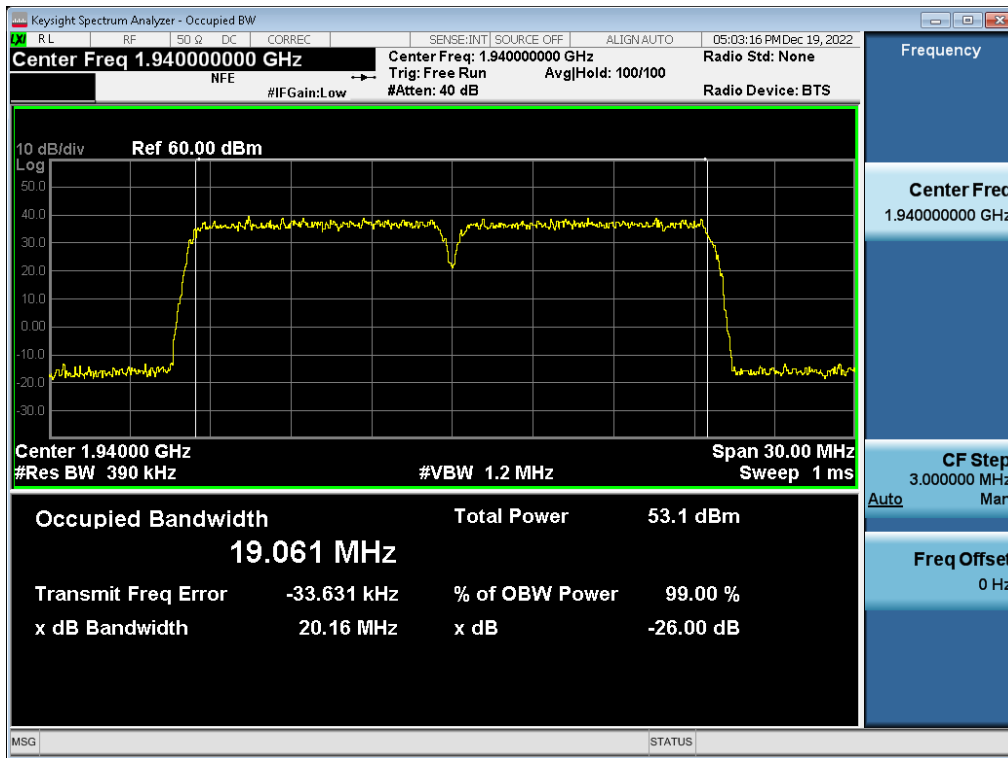
Antenna 1 / (2 Port) 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + DSS B2 20 MHz 1 Carrier [3 Carrier] [1C+2C] / 5G NR n2 5 MHz 1 Carrier + DSS B2 20 MHz 1 Carrier / 256QAM / High / Non-Contiguous



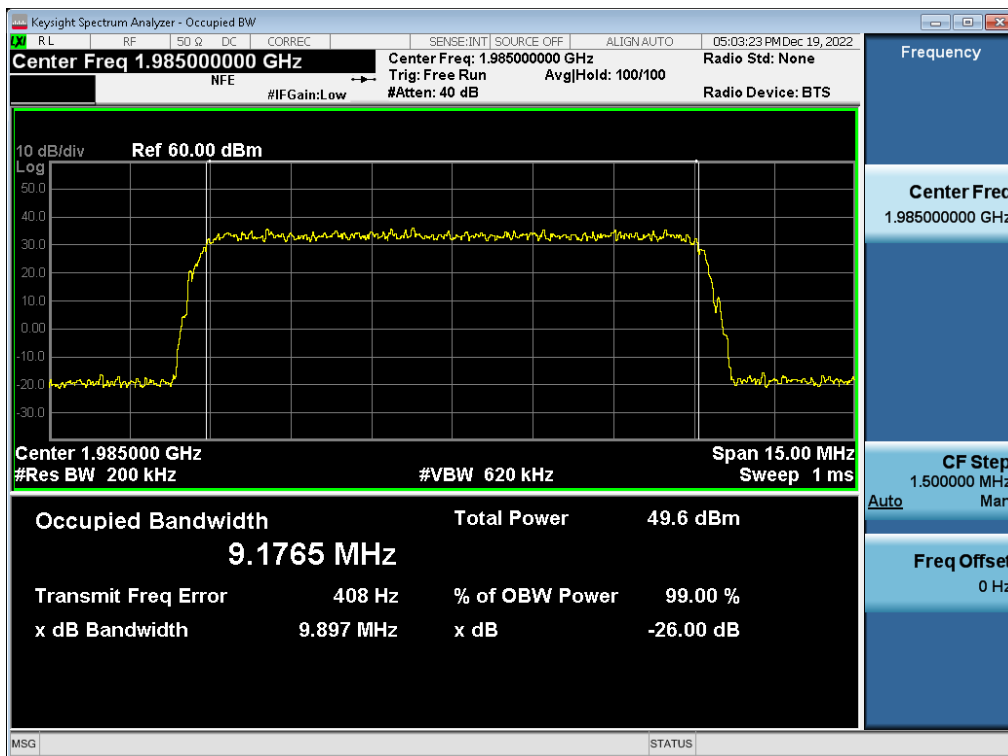
**Antenna 1 / (2 Port) 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + DSS B2 20 MHz 1 Carrier [3 Carrier] [2C+1C] / 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier / 16QAM / Low / Non-Contiguous**

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


**Antenna 1 / (2 Port) DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier] [1C+2C] / DSS B2 10 MHz 1 Carrier / 64QAM / Low / Non-Contiguous**

**Antenna 1 / (2 Port) DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier] [1C+2C] / DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier / 64QAM / High / Non-Contiguous**


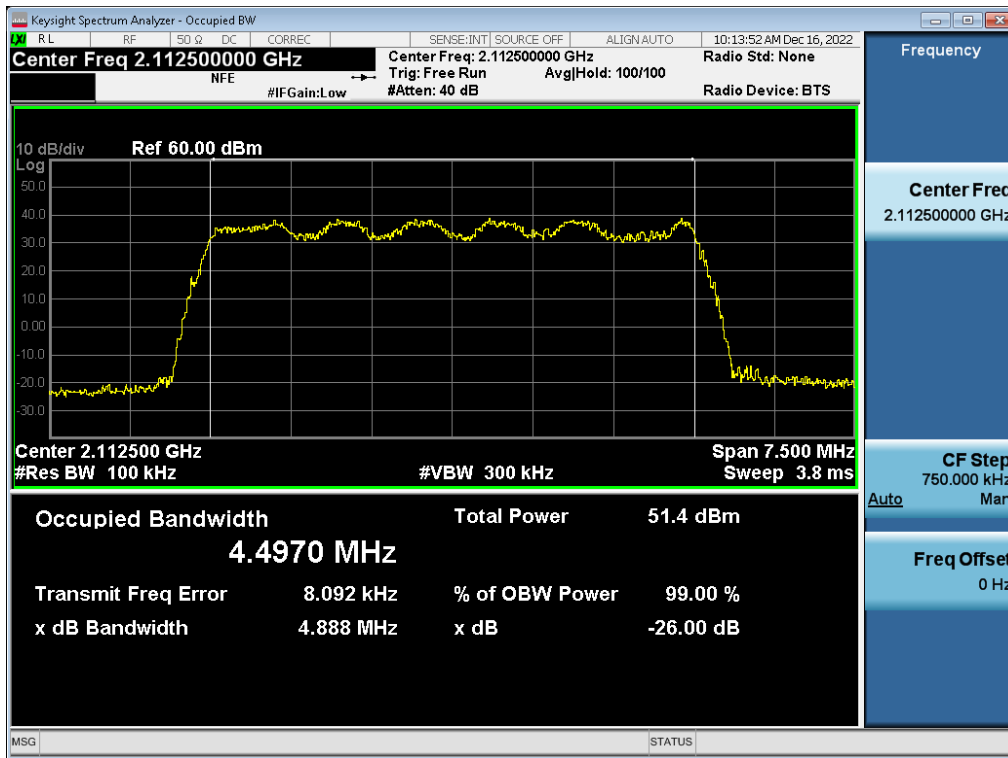
Antenna 0 / (2 Port) DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier] [2C+1C] / DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier / QPSK / Low / Non-Contiguous



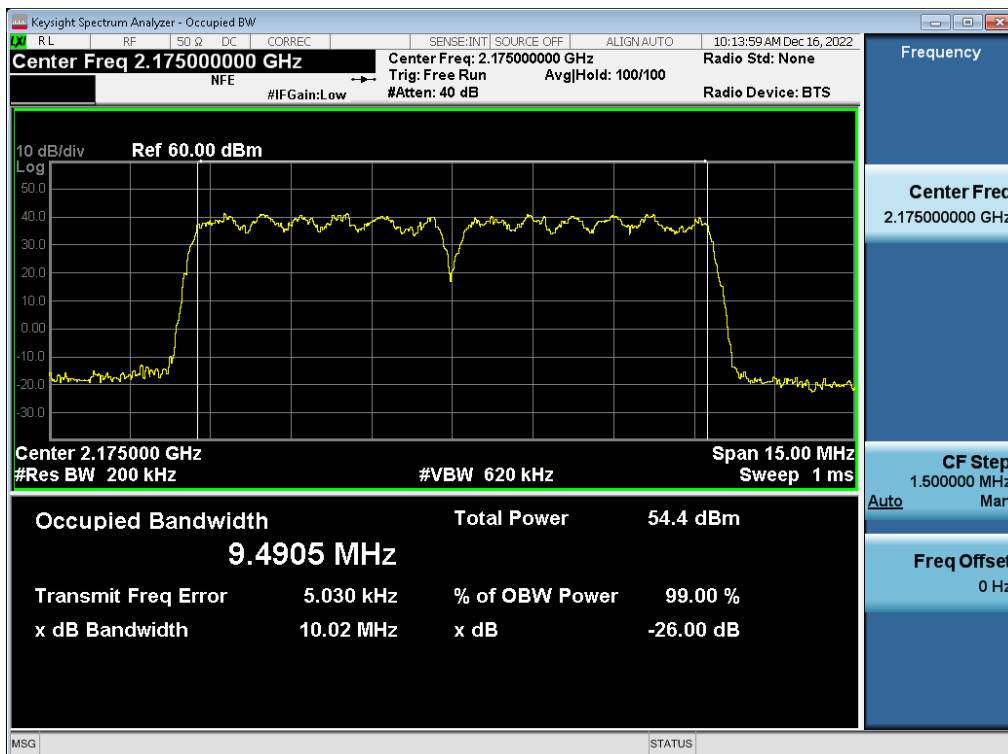
Antenna 0 / (2 Port) DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier] [2C+1C] / DSS B2 10 MHz 1 Carrier / QPSK / High / Non-Contiguous



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

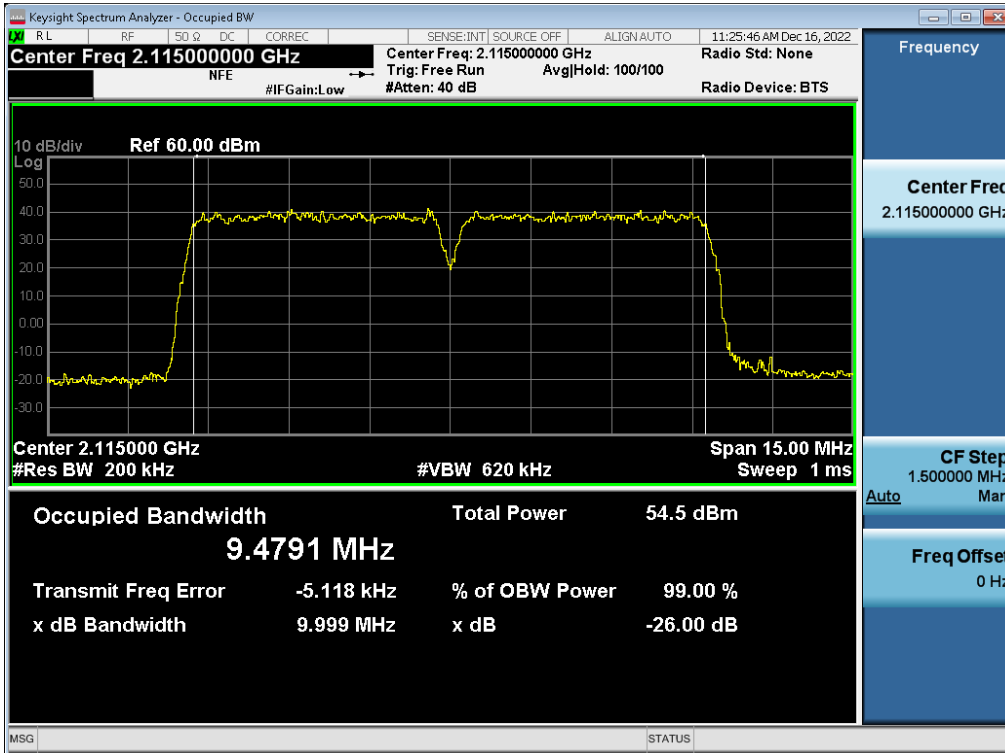


Antenna 1 / (2 Port) 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [3 Carrier]  
 [1C+2C] / 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier / 16QAM / High / Non-Contiguous

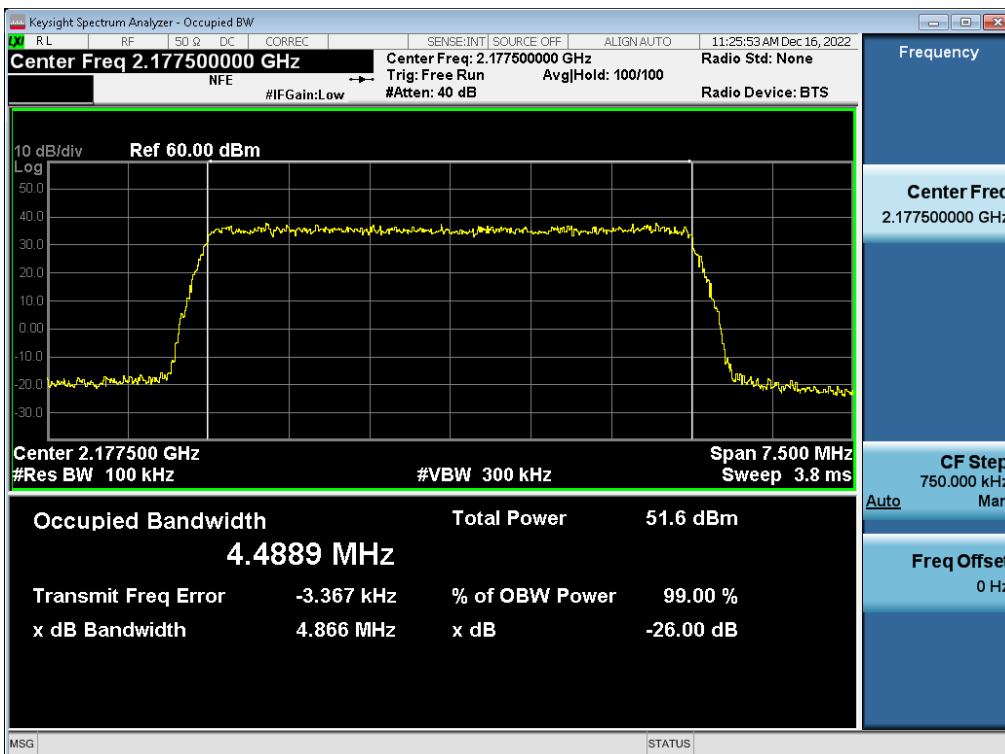




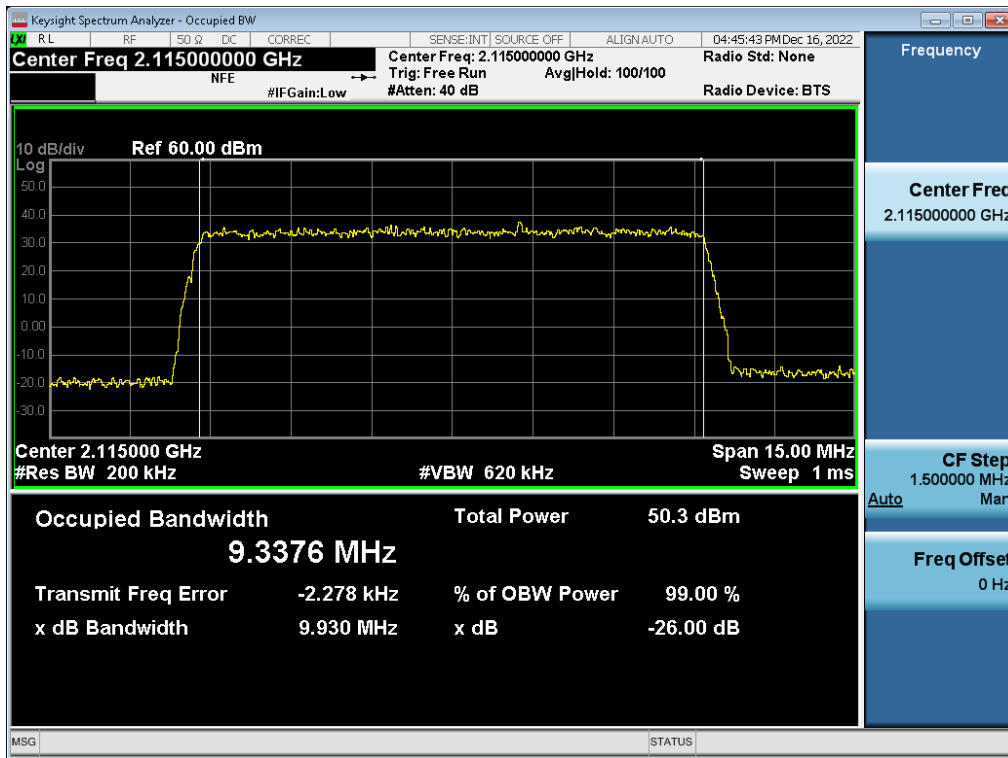
Antenna 1 / (2 Port) 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [3 Carrier] [2C+1C] / 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier / 256QAM / Low / Non-Contiguous



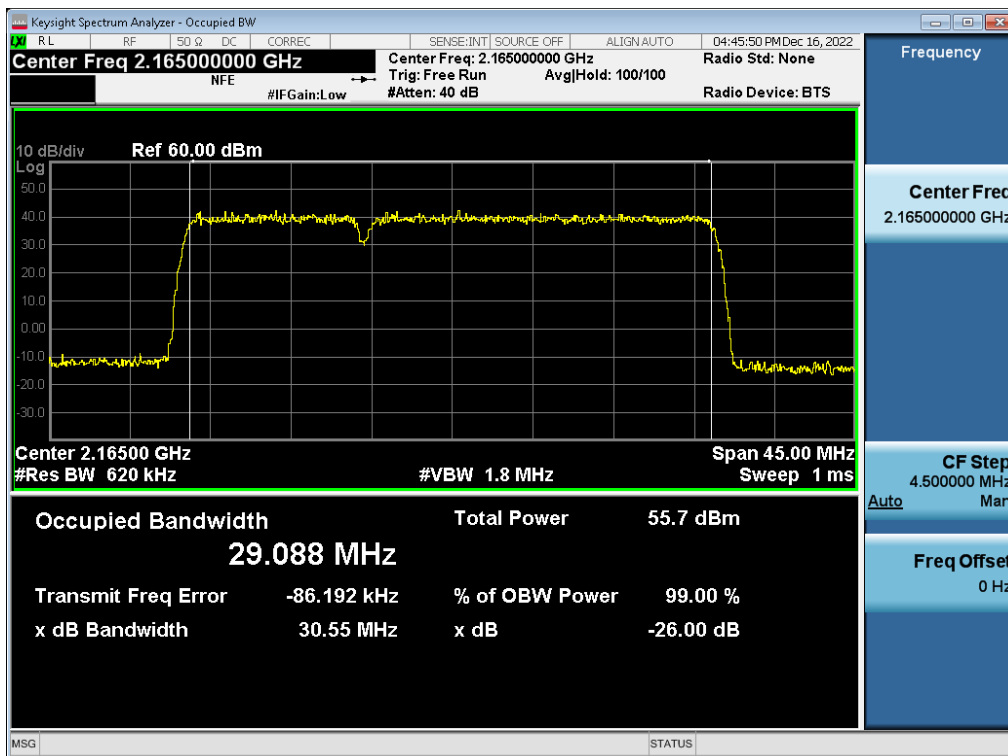
Antenna 1 / (2 Port) 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [3 Carrier] [2C+1C] / 5G NR n66 5 MHz 1 Carrier / 256QAM / High / Non-Contiguous

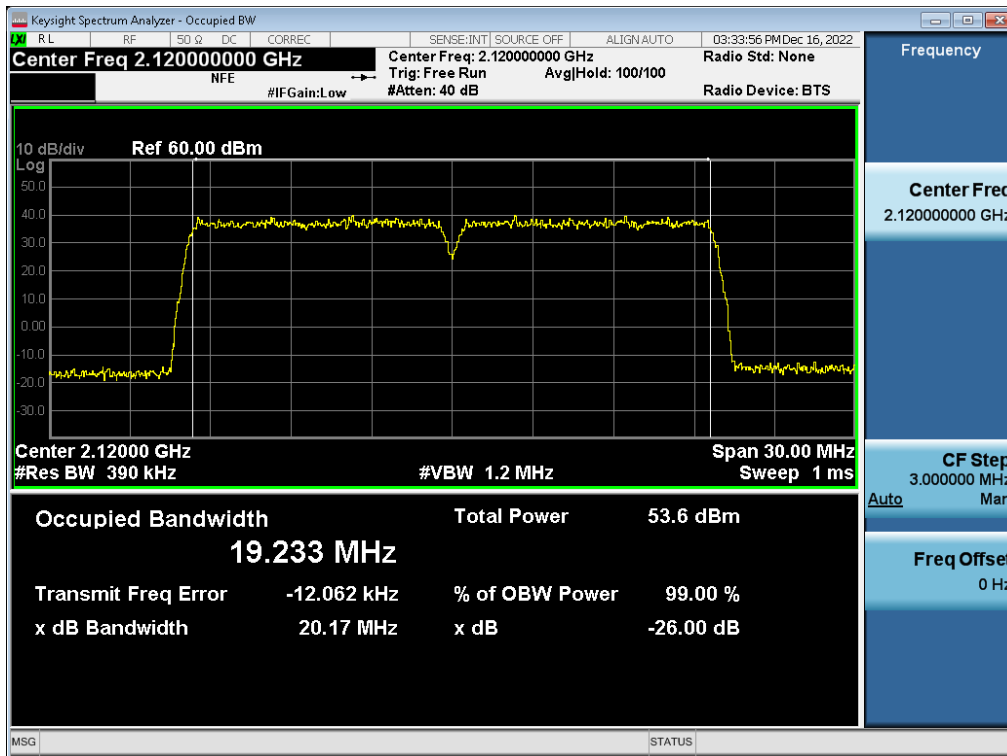
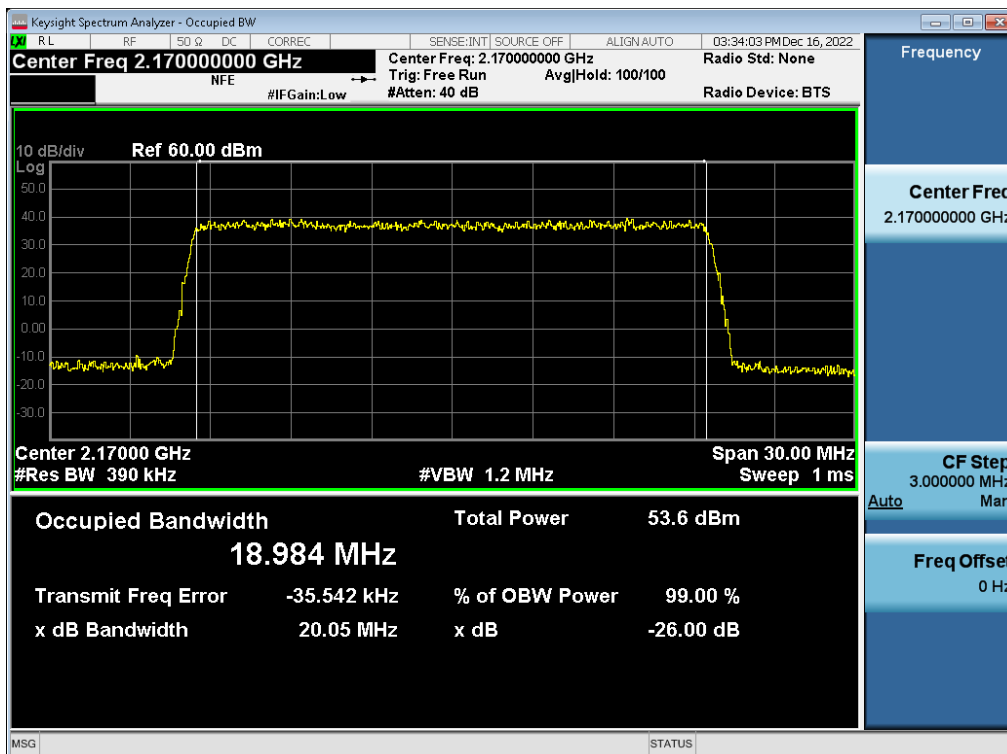


Antenna 1 / (2 Port) 5G NR n66 10 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [3 Carrier] [1C+2C] / 5G NR n66 10 MHz 1 Carrier / 64QAM / Low / Non-Contiguous

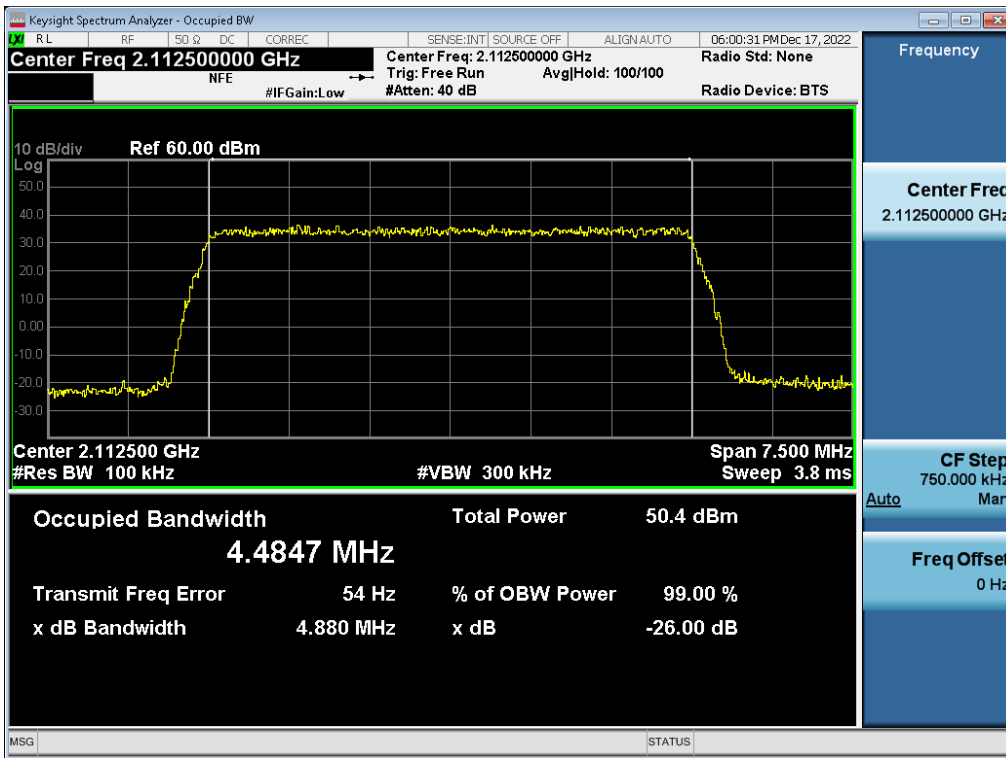


Antenna 1 / (2 Port) 5G NR n66 10 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [3 Carrier] [1C+2C] / 5G NR n66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier / 64QAM / High / Non-Contiguous

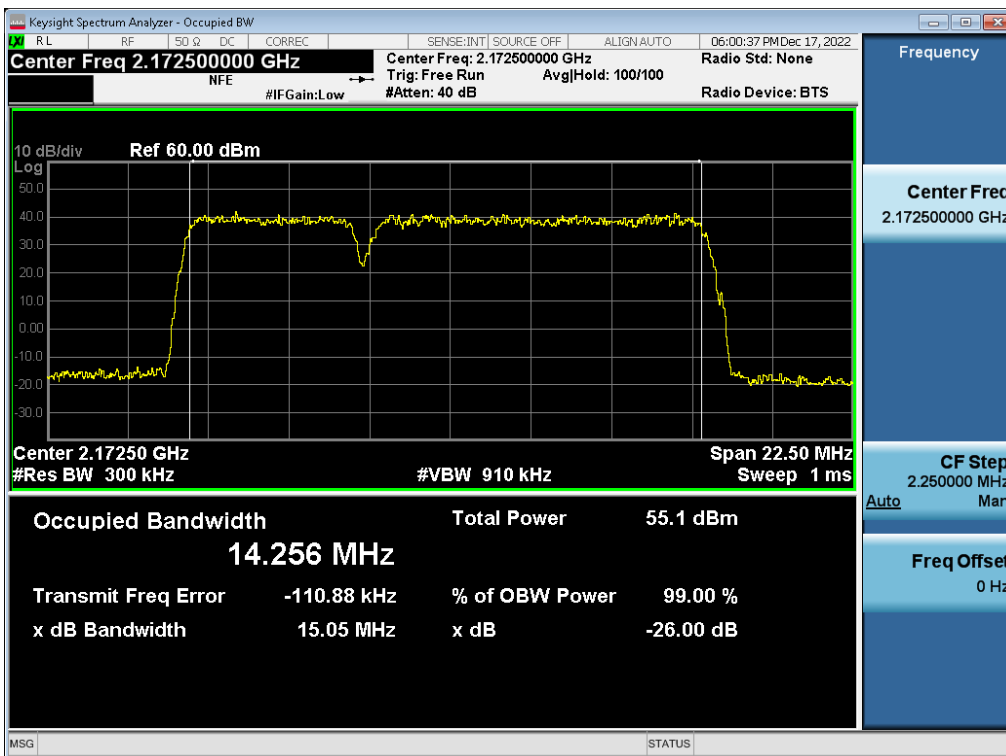


**Antenna 1 / (2 Port) 5G NR n66 10 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [3 Carrier] [2C+1C] / 5G NR n66 10 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier / QPSK / Low / Non-Contiguous**

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


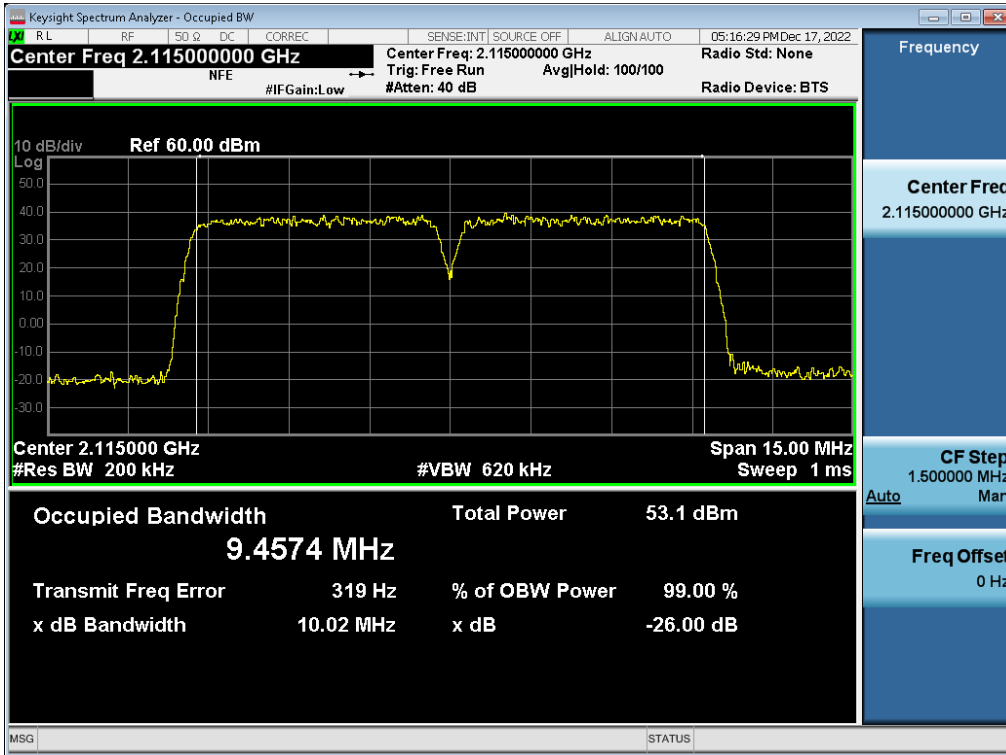
Antenna 1 / (2 Port) 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [3 Carrier] [1C+2C] / 5G NR n66 5 MHz 1 Carrier / 64QAM / Low / Non-Contiguous



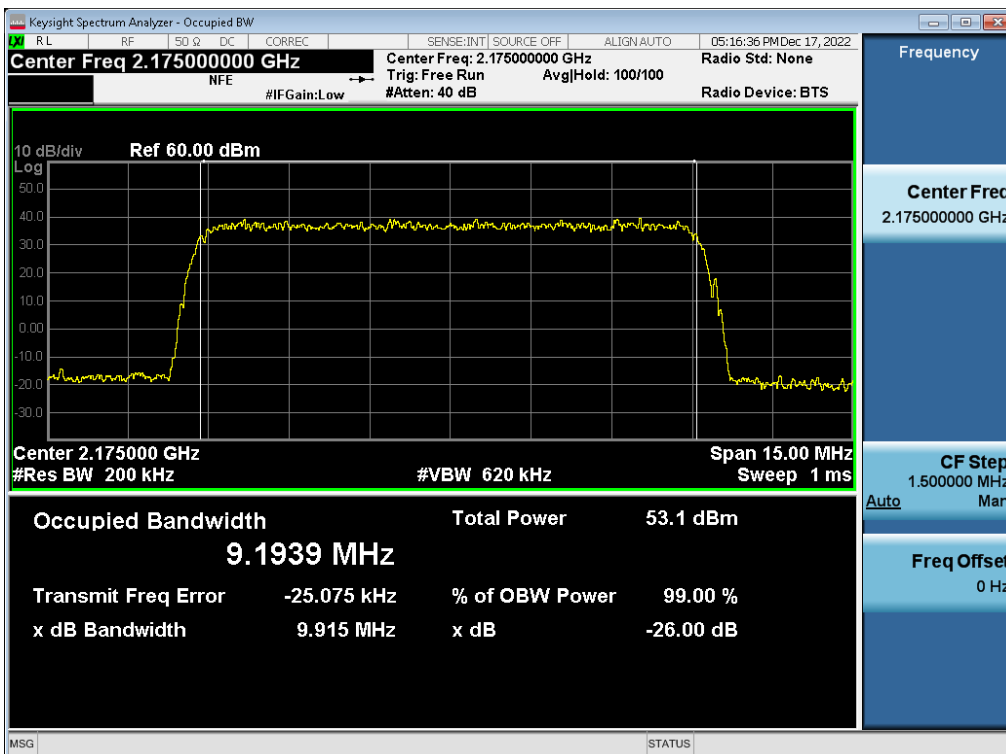
Antenna 1 / (2 Port) 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [3 Carrier] [1C+2C] / 5G NR n66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier / 64QAM / High / Non-Contiguous



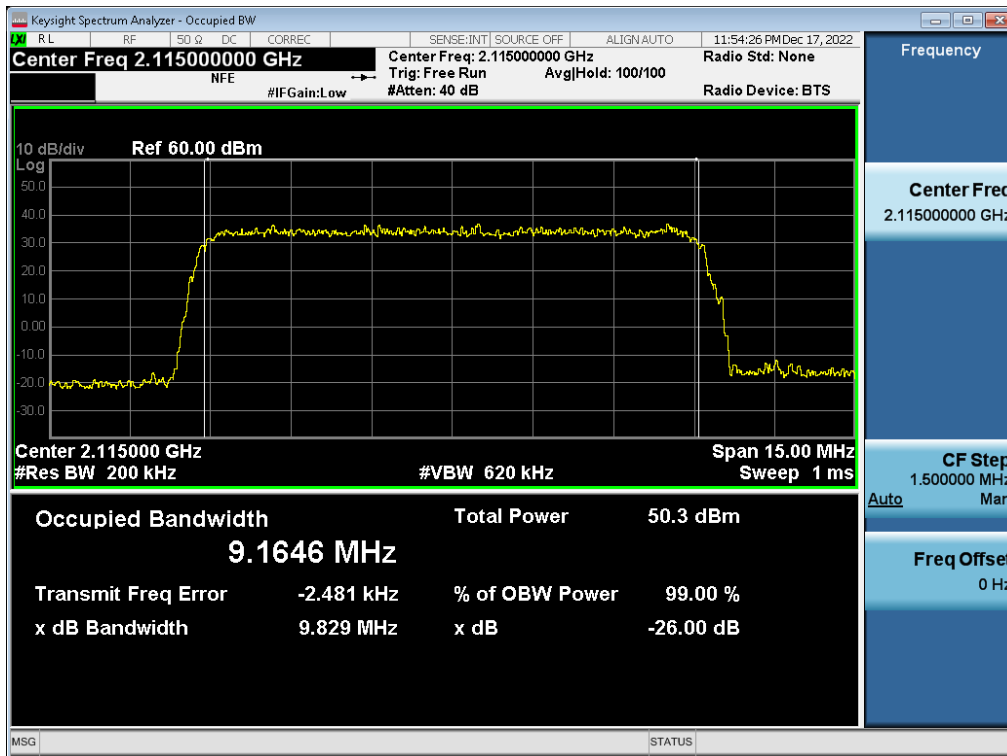
Antenna 1 / (2 Port) 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [3 Carrier] [2C+1C] / 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier / 256QAM / Low / Non-Contiguous



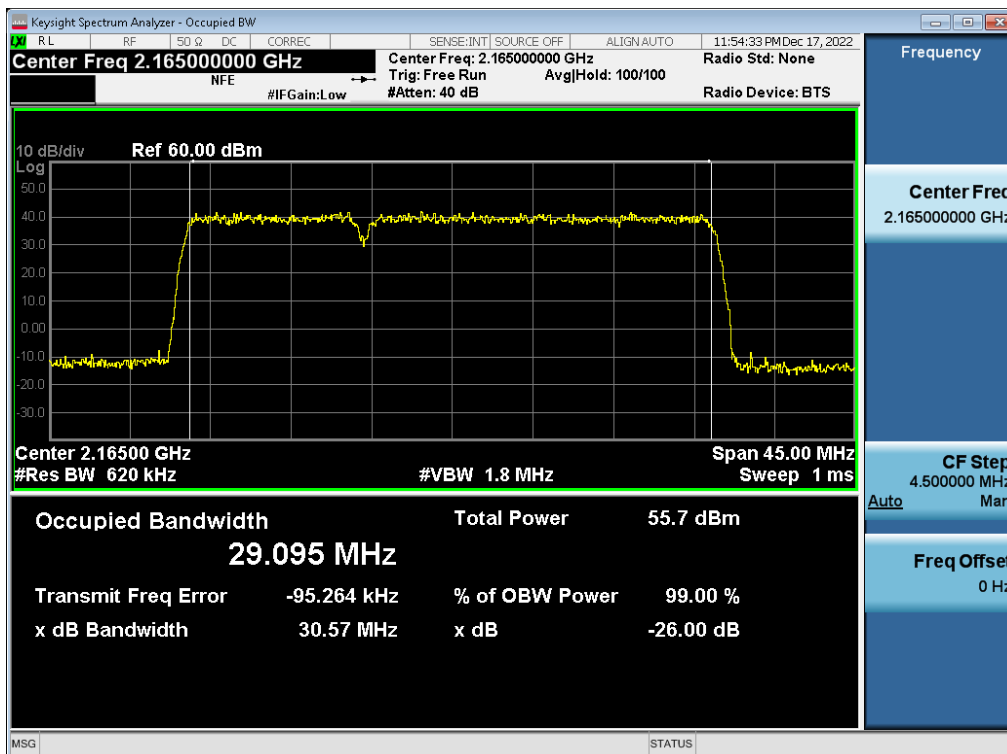
Antenna 1 / (2 Port) 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [3 Carrier] [2C+1C] / DSS B66 10 MHz 1 Carrier / 256QAM / High / Non-Contiguous



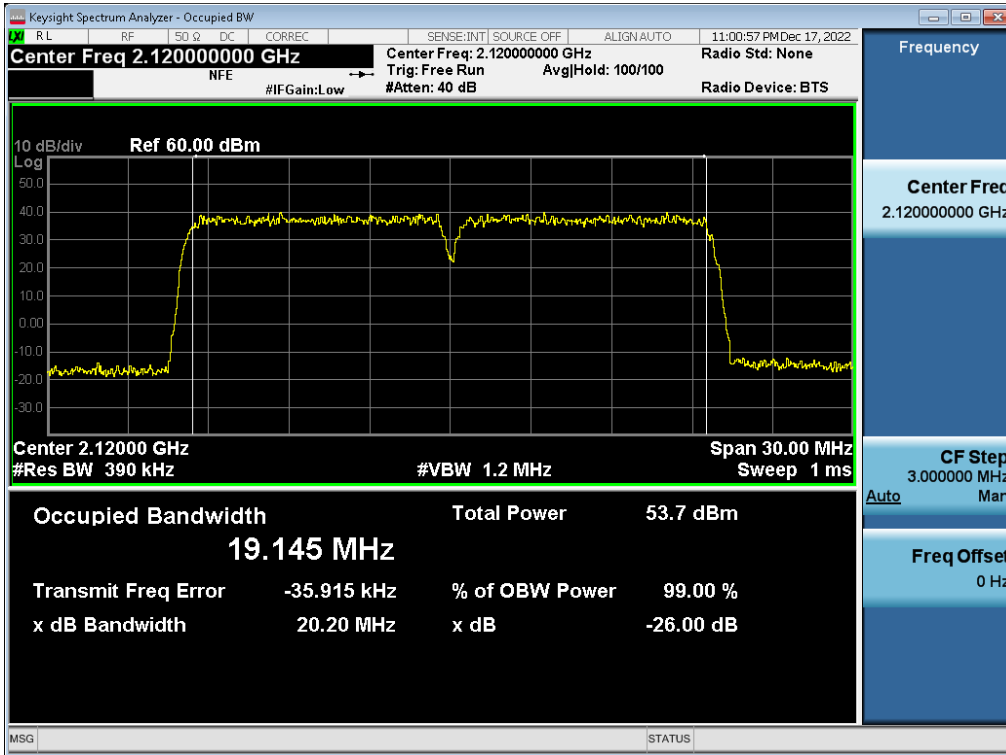
Antenna 1 / (2 Port) DSS B66 10 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [3 Carrier]  
 [1C+2C] / DSS B66 10 MHz 1 Carrier / 256QAM / Low / Non-Contiguous



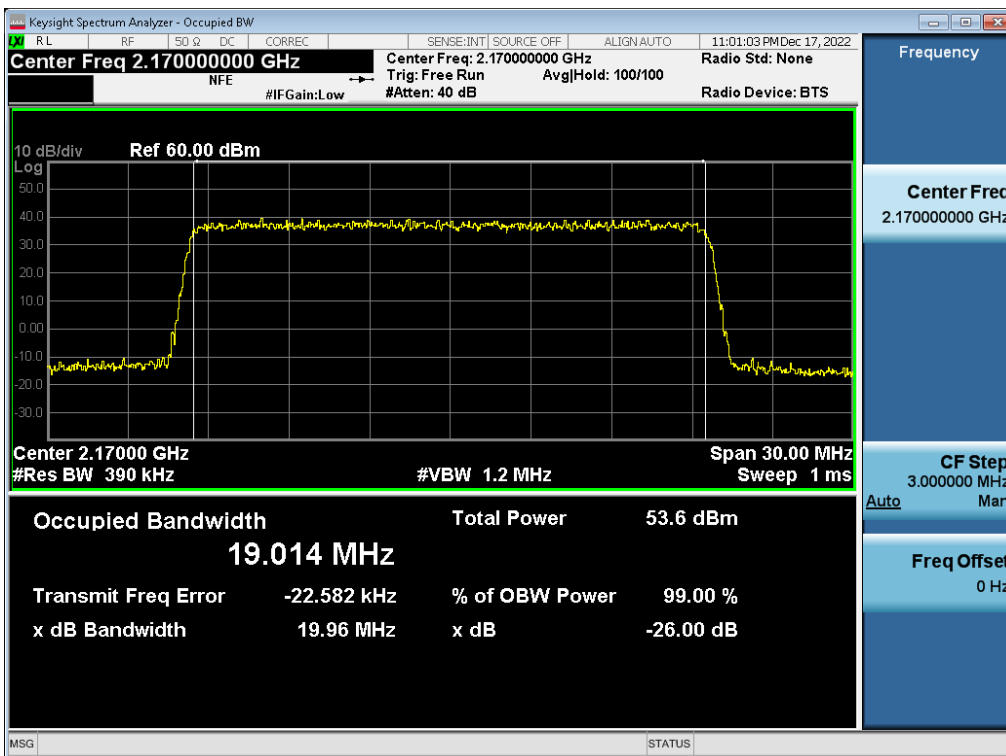
Antenna 1 / (2 Port) DSS B66 10 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [3 Carrier]  
 [1C+2C] / 5G NR n66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier / 256QAM / High / Non-Contiguous



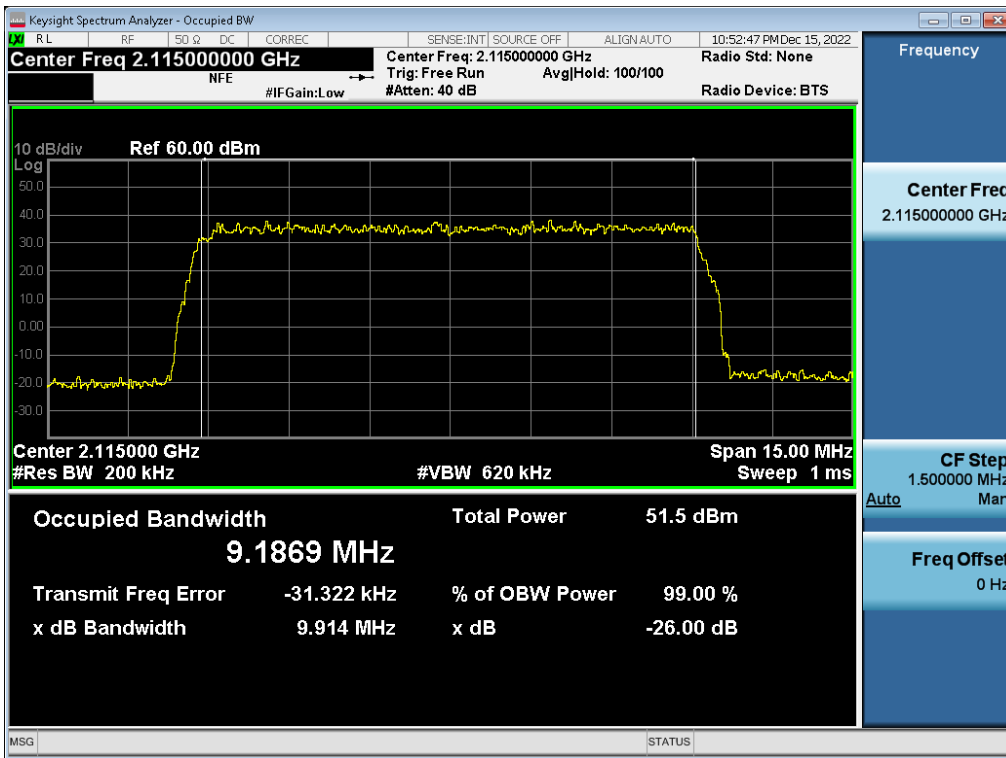
Antenna 1 / (2 Port) DSS B66 10 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [3 Carrier] [2C+1C] / DSS B66 10 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier / 256QAM / Low / Non-Contiguous



Antenna 1 / (2 Port) DSS B66 10 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [3 Carrier] [2C+1C] / 5G NR n66 20 MHz 1 Carrier / 256QAM / High / Non-Contiguous



Antenna 1 / (2 Port) DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [3 Carrier]  
[1C+2C] / DSS B66 10 MHz 1 Carrier / 64QAM / Low / Non-Contiguous



Antenna 1 / (2 Port) DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [3 Carrier]  
[1C+2C] / DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier / 64QAM / High / Non-Contiguous

