

Antenna 0 / (4 Port) DSS B2 10 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrer [3 Carrier][1C+2C] / Non-Contiguous / LTE B2 5 MHz 1 Carrier / QPSK / Low



Antenna 0 / (4 Port) DSS B2 10 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrer [3 Carrier][1C+2C] / Non-Contiguous / 5G NR n2 5 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier / QPSK / High



Antenna 0 / (4 Port) DSS B2 10 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrer [3 Carrier][2C+1C] / Non-Contiguous / DSS B2 10 MHz 1 Carrier + 5G N5 n2 5 MHz 1 Carrier / 16QAM / Low



Antenna 0 / (4 Port) DSS B2 10 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrer [3 Carrier][2C+1C] / Non-Contiguous / LTE B2 5 MHz 1 Carrier / 16QAM / High



Antenna 0 / (4 Port) DSS B2 10 MHz 1 Carrier + 5G NR n2 15 MHz 1 Carrier + LTE B2 5 MHz 1 Carrer [3 Carrier][1C+2C] / Non-Contiguous / DSS B2 10 MHz 1 Carrier / 64QAM / Low



Antenna 0 / (4 Port) DSS B2 10 MHz 1 Carrier + 5G NR n2 15 MHz 1 Carrier + LTE B2 5 MHz 1 Carrer [3 Carrier][1C+2C] / Non-Contiguous / LTE B2 5 MHz + 5G NR n2 15 MHz 1 Carrier / 64QAM / High



Antenna 0 / (4 Port) DSS B2 10 MHz 1 Carrier + 5G NR n2 15 MHz 1 Carrier + LTE B2 5 MHz 1 Carrer [3 Carrier][2C+1C] / Non-Contiguous / 5G NR n2 15 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier/ 16QAM / Low



Antenna 0 / (4 Port) DSS B2 10 MHz 1 Carrier + 5G NR n2 15 MHz 1 Carrier + LTE B2 5 MHz 1 Carrer [3 Carrier][2C+1C] / Non-Contiguous / DSS B2 10 MHz 1 Carrier / 16QAM / High



Antenna 0 / (4 Port) DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier][1C+2C] / Non-Contiguous / DSS B2 10 MHz 1 Carrier / 16QAM / Low



Antenna 0 / (4 Port) DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier][1C+2C] / Non-Contiguous / DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier/ 16QAM / High



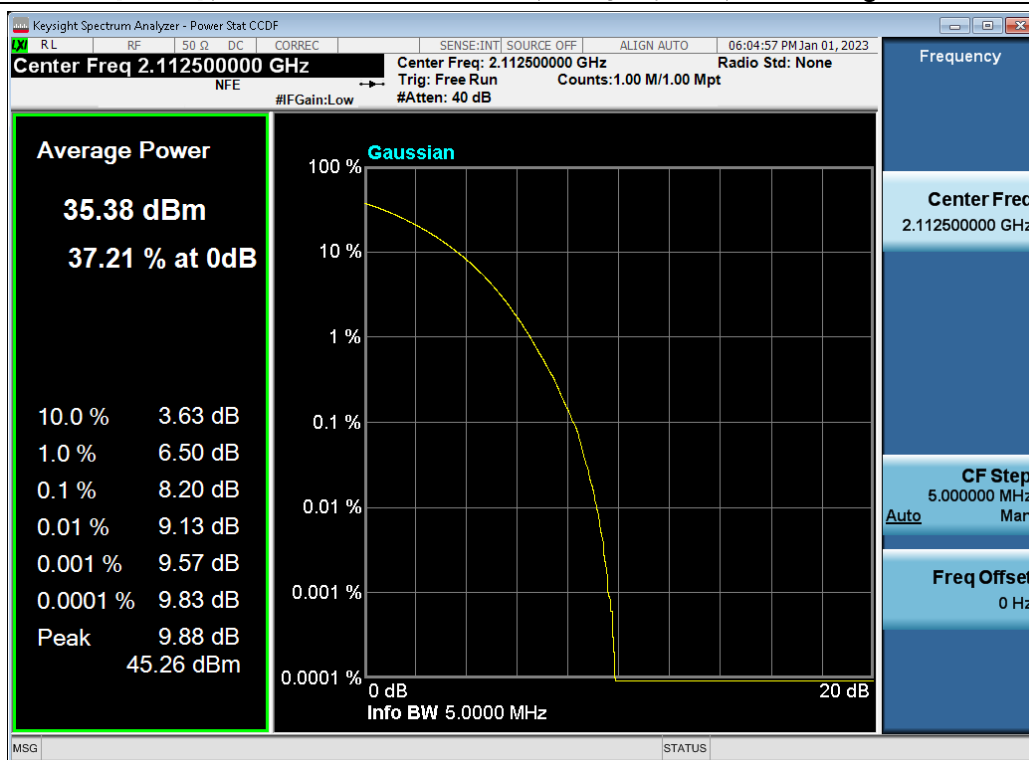
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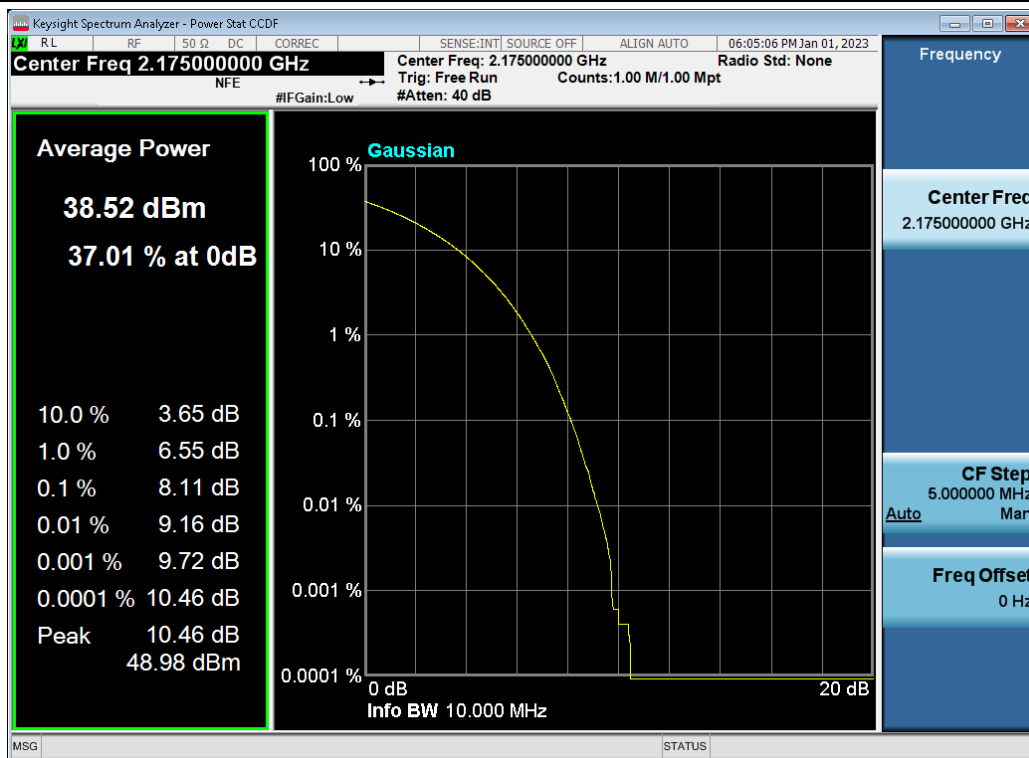
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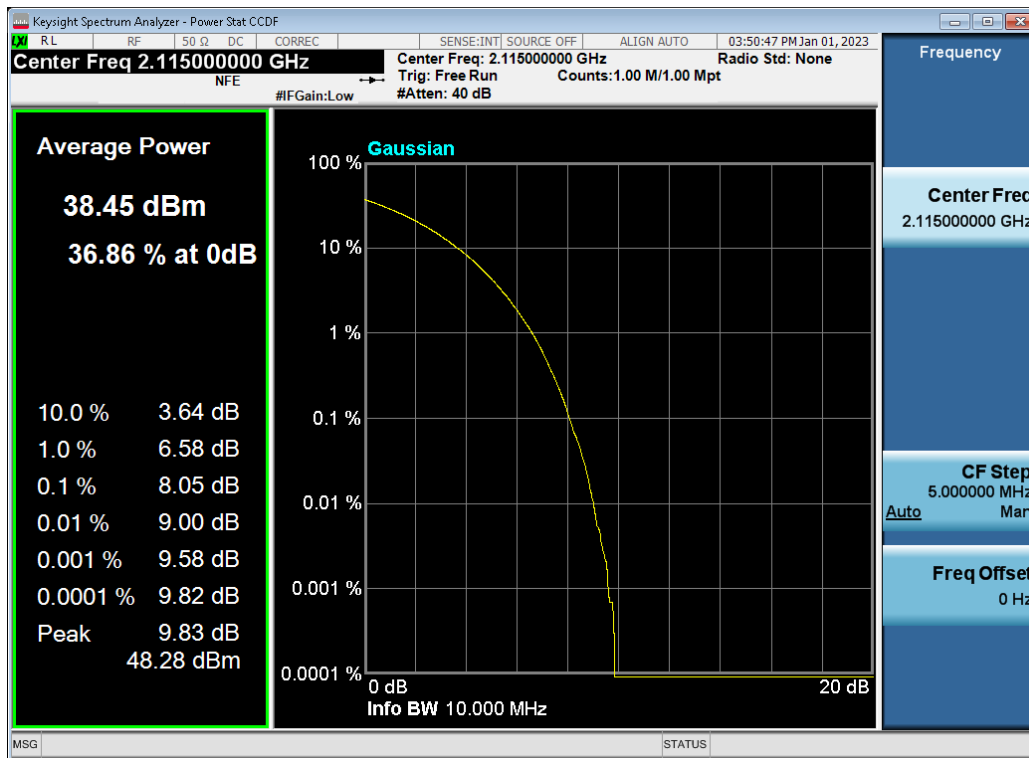
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[1C+2C] / 5G NR n66 5 MHz 1 Carrier / 256QAM / Low / Non-Contiguous



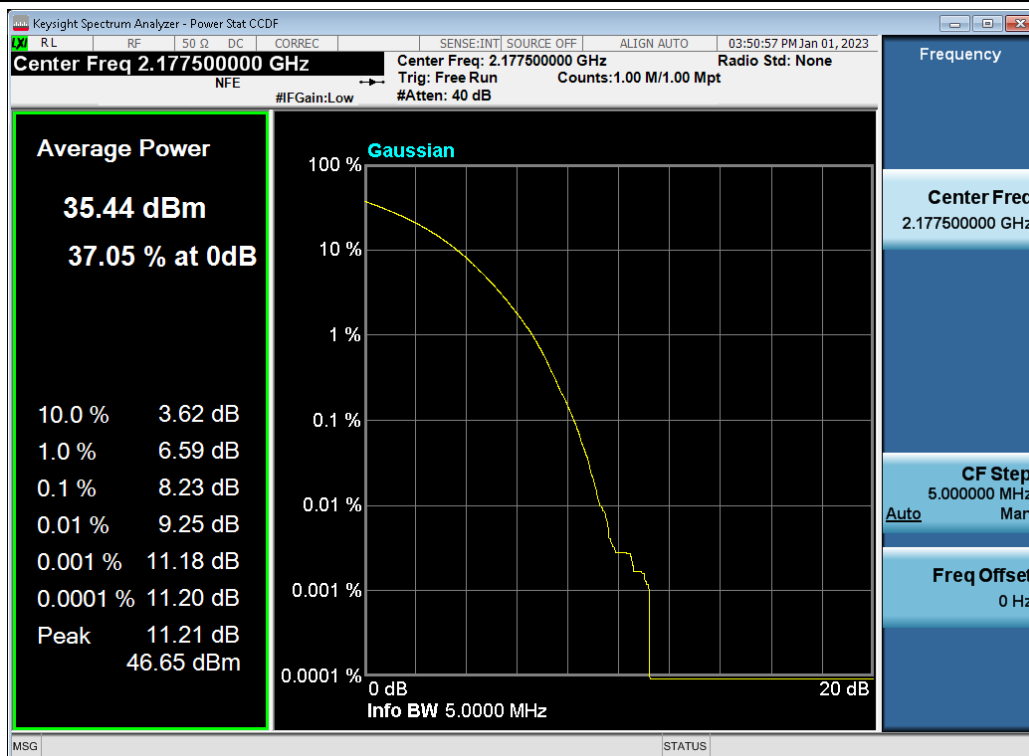
Antenna 1 / (4 Port) 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [3 Carrier]
[1C+2C] / 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier / 256QAM / High / Non-Contiguous



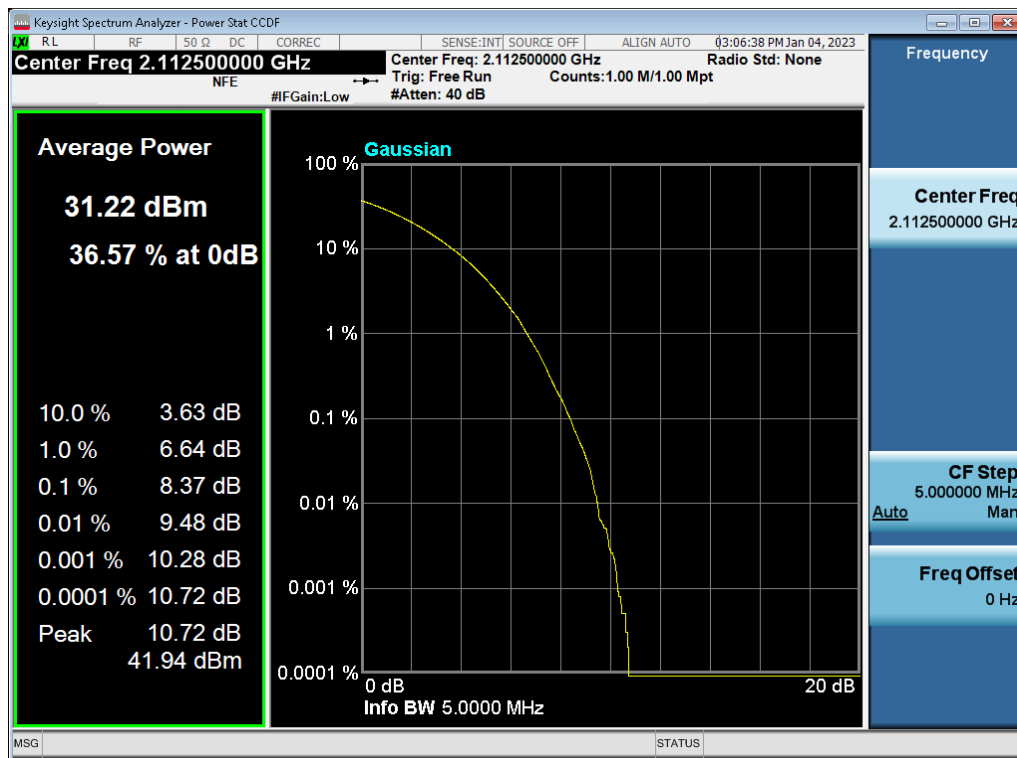
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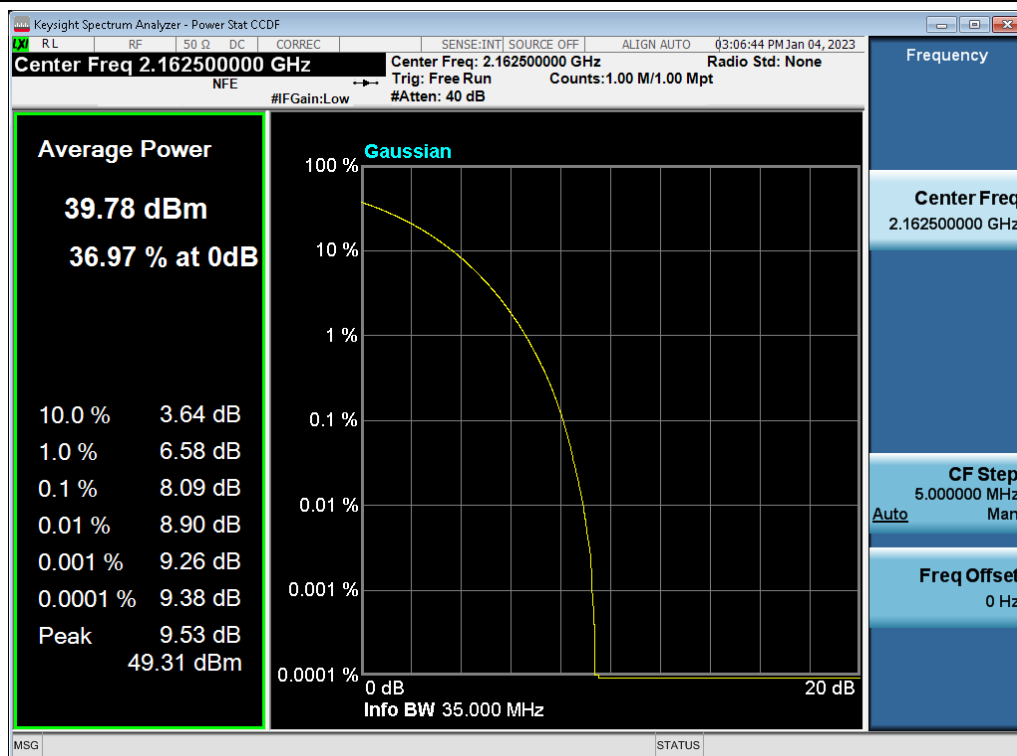
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[2C+1C] / 5G NR n66 5 MHz 1 Carrier / QPSK / High / Non-Contiguous



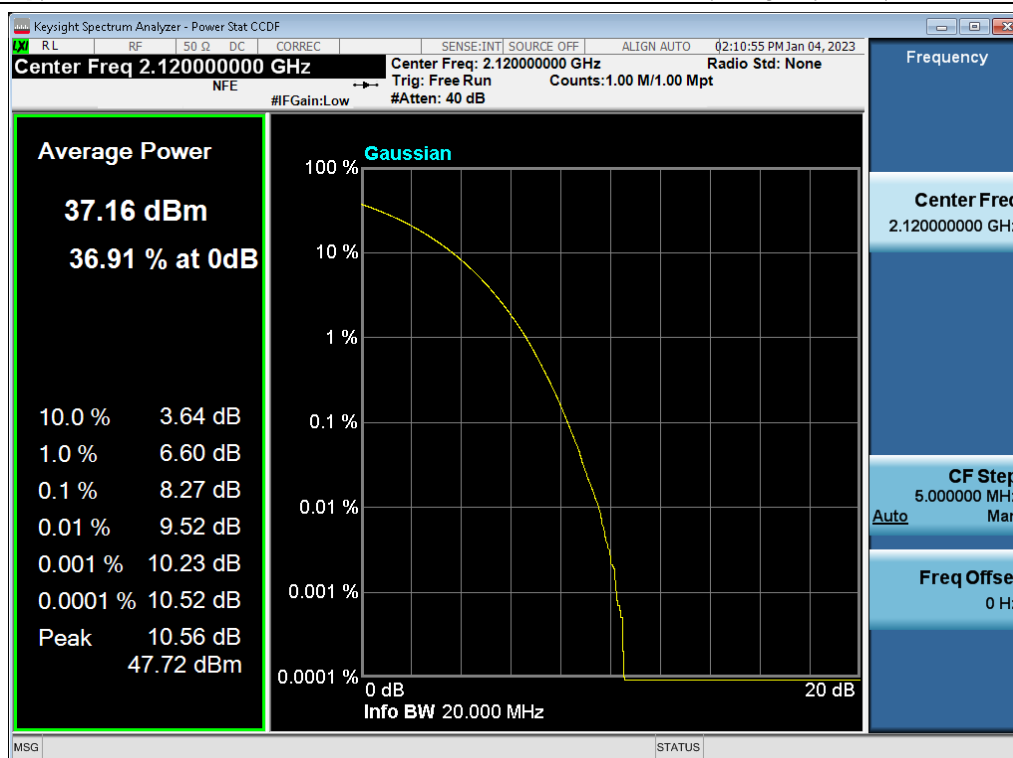
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[1C+2C] / 5G NR n66 5 MHz 1 Carrier / QPSK / Low / Non-Contiguous



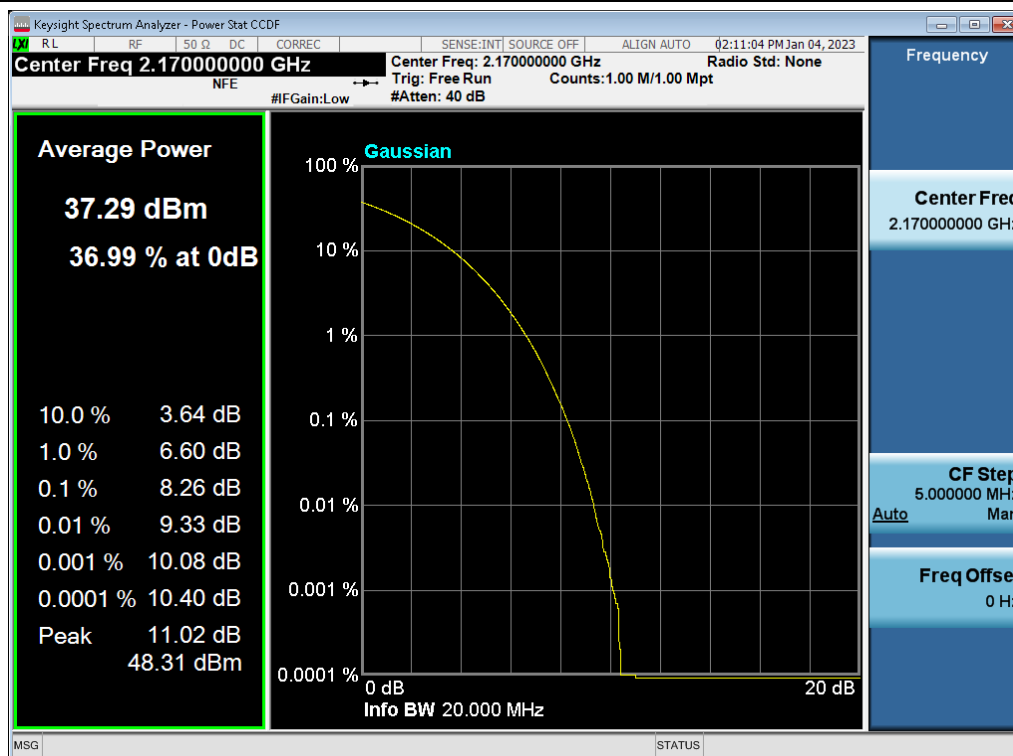
Antenna 1 / (4 Port) 5G NR n66 5 MHz 1 Carrier + 5G NR n66 15 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [3 Carrier]
[1C+2C] / 5G NR n66 15 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier / QPSK / High / Non-Contiguous



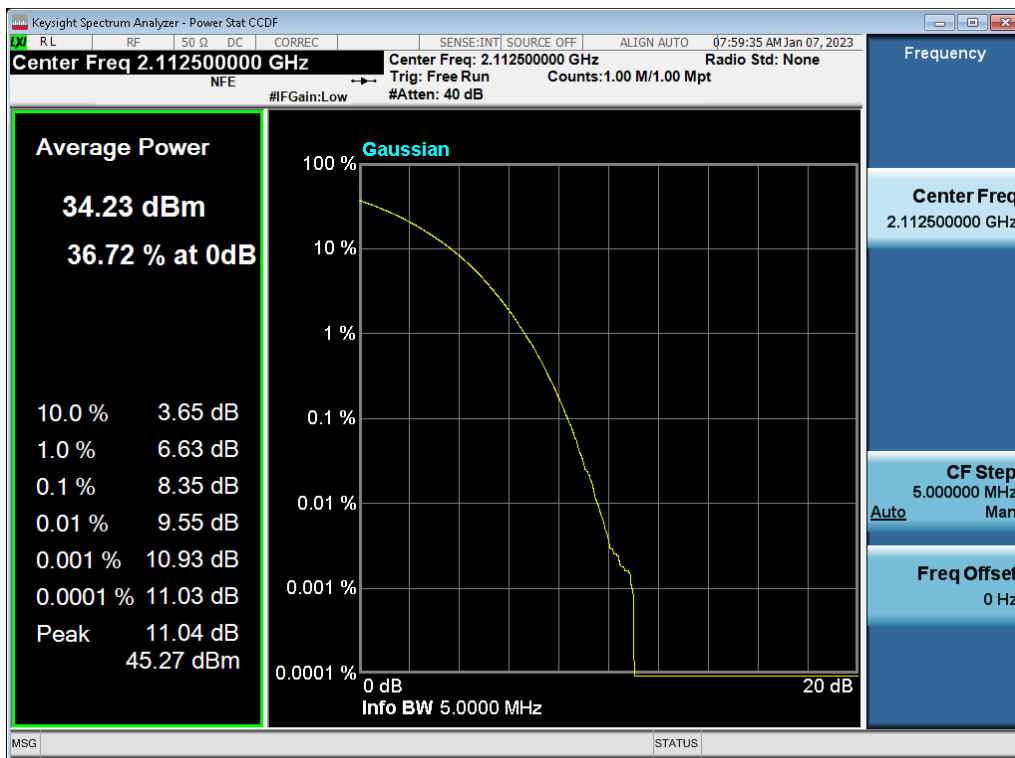
Antenna 1 / (4 Port) 5G NR n66 5 MHz 1 Carrier + 5G NR n66 15 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [3 Carrier]
[2C+1C] / 5G NR n66 5 MHz 1 Carrier + 5G NR n66 15 MHz 1 Carrier / 16QAM / Low / Non-Contiguous



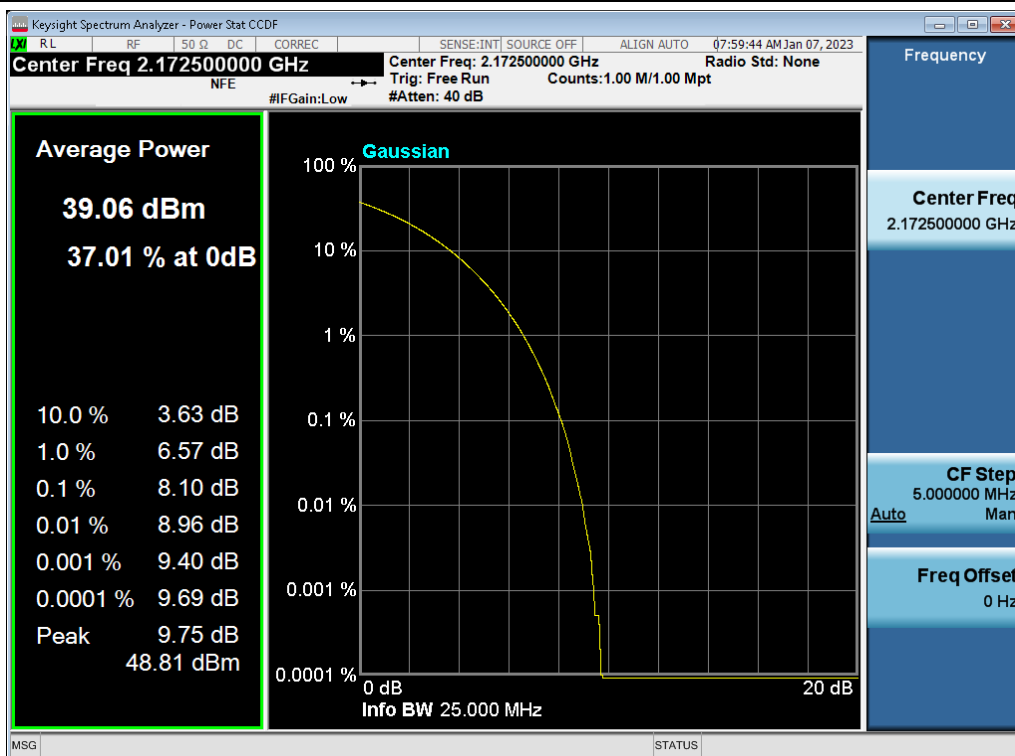
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[2C+1C] / 5G NR n66 20 MHz 1 Carrier / 16QAM / High / Non-Contiguous



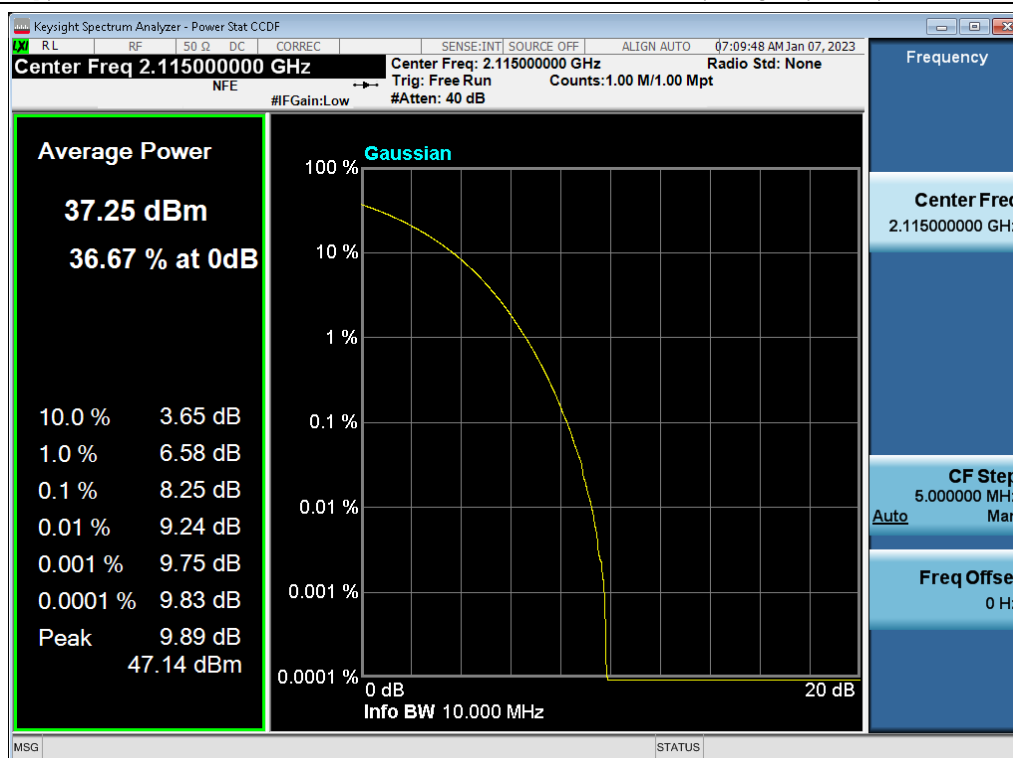
Antenna 1 / (4 Port) 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [3 Carrier]
[1C+2C] / 5G NR n66 5 MHz 1 Carrier / QPSK / Low / Non-Contiguous



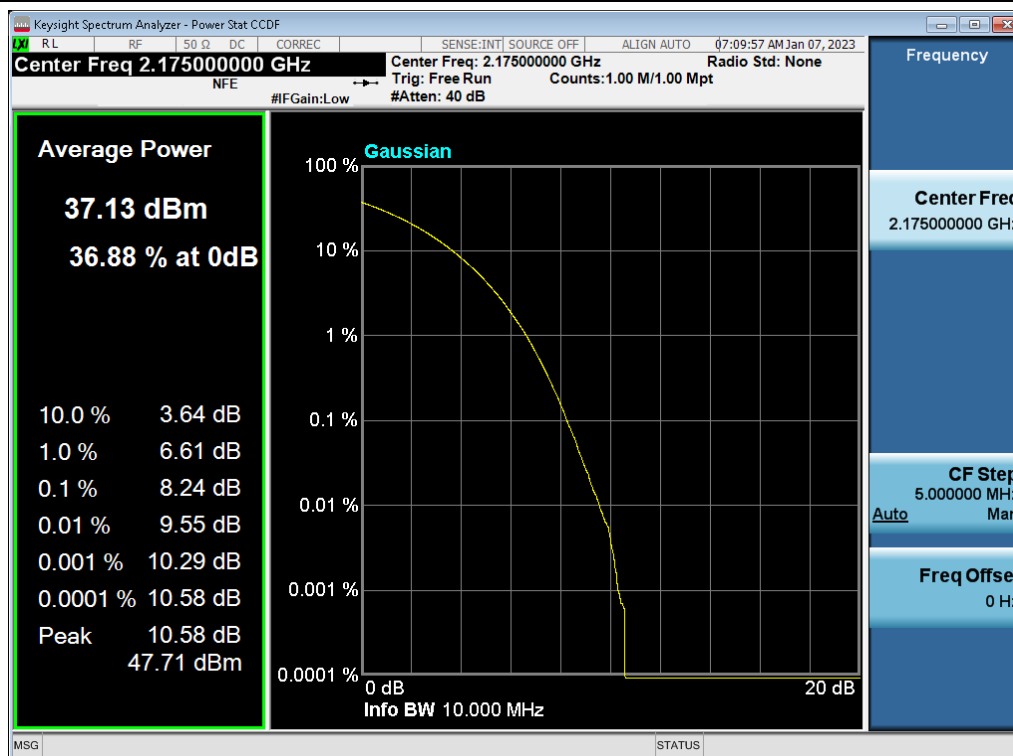
Antenna 1 / (4 Port) 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [3 Carrier]
[1C+2C] / 5G NR n66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier / QPSK / High / Non-Contiguous



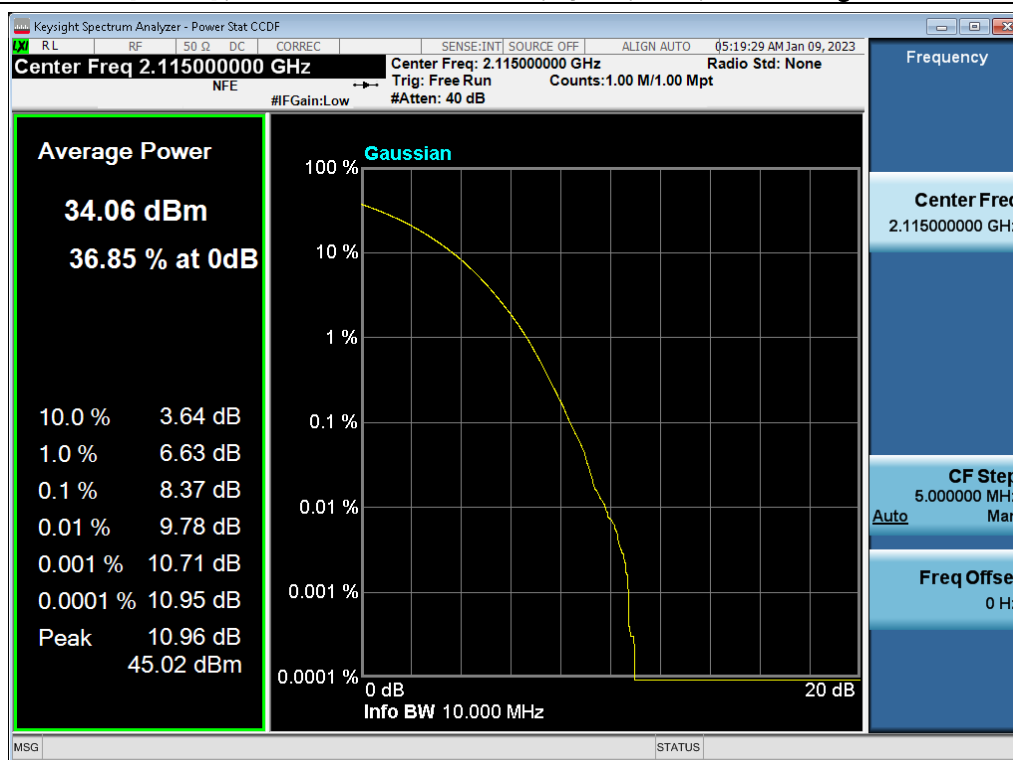
Antenna 1 / (4 Port) 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [3 Carrier]
[2C+1C] / 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier / 64QAM / Low / Non-Contiguous



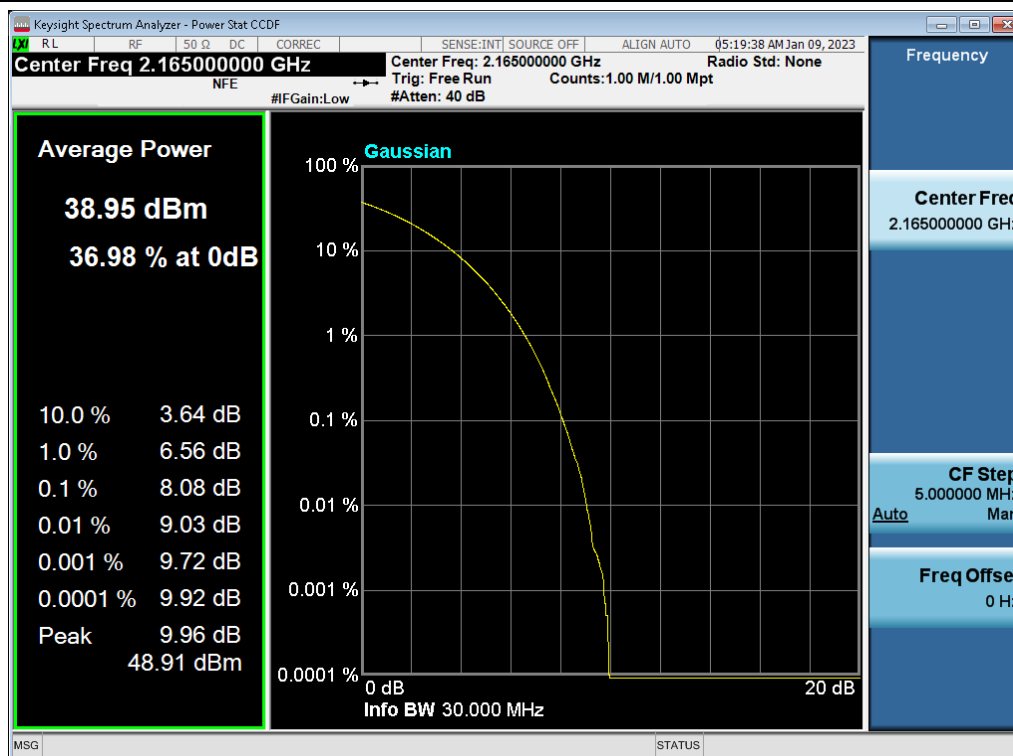
Antenna 1 / (4 Port) 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [3 Carrier]
[2C+1C] / DSS B66 10 MHz 1 Carrier / 64QAM / High / Non-Contiguous



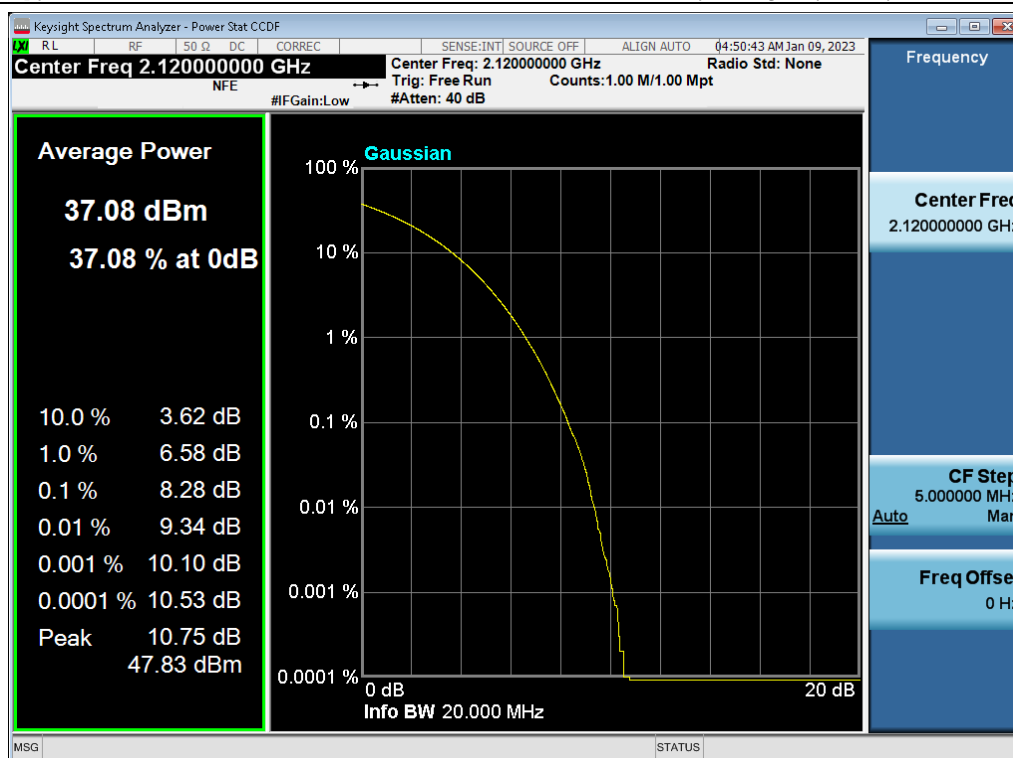
Antenna 1 / (4 Port) DSS B66 10 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [3 Carrier]
[1C+2C] / DSS B66 10 MHz 1 Carrier / QPSK / Low / Non-Contiguous



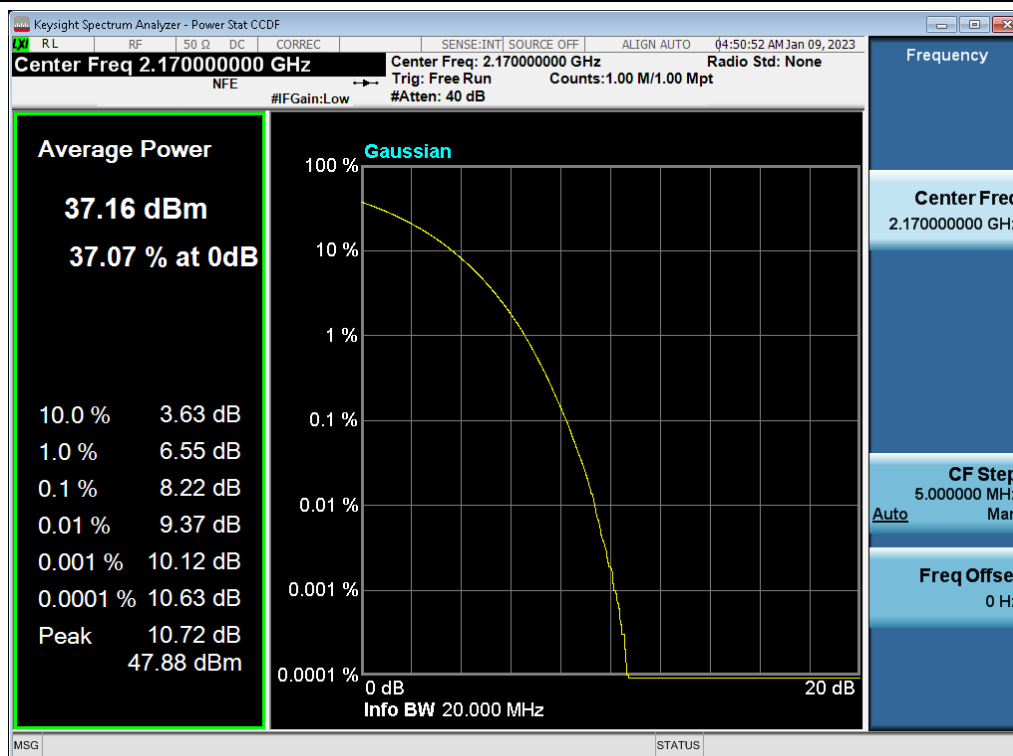
Antenna 1 / (4 Port) DSS B66 10 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [3 Carrier]
[1C+2C] / 5G NR n66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier / QPSK / High / Non-Contiguous



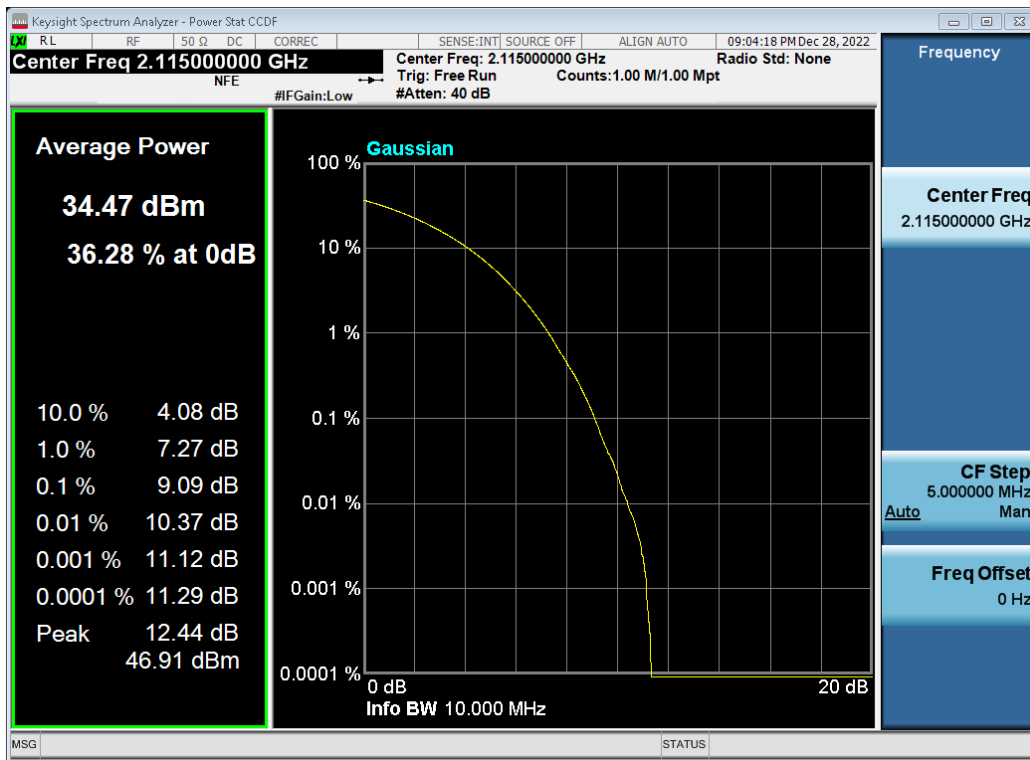
Antenna 1 / (4 Port) DSS B66 10 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [3 Carrier]
[2C+1C] / DSS B66 10 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier / 256QAM / Low / Non-Contiguous



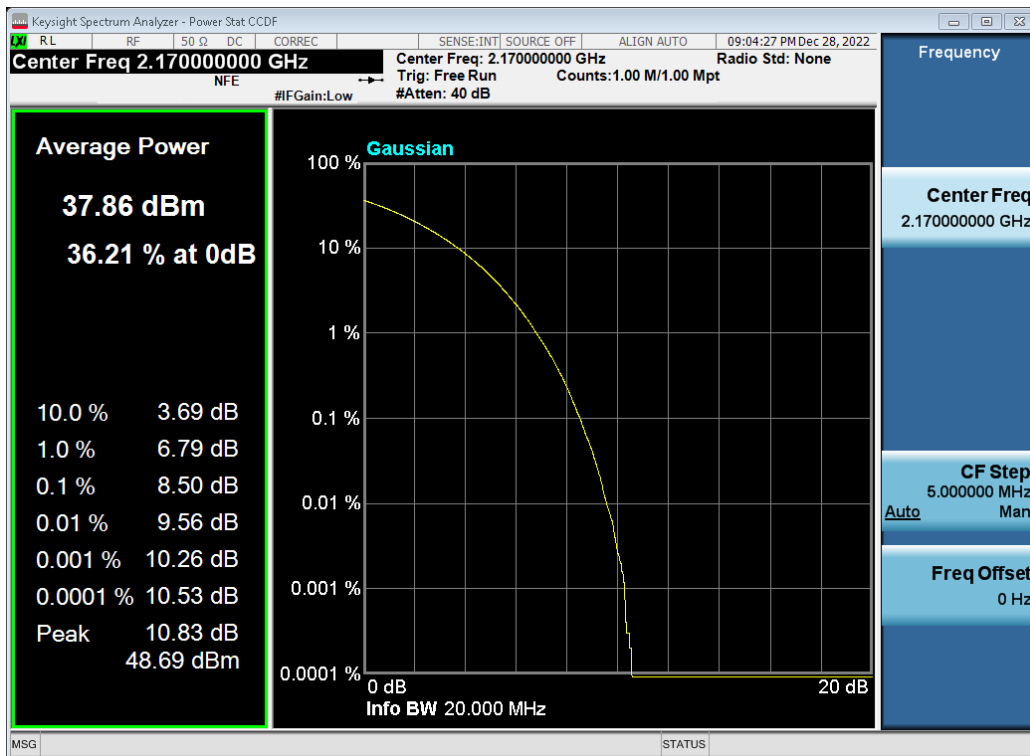
Antenna 1 / (4 Port) DSS B66 10 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [3 Carrier]
[2C+1C] / 5G NR n66 20 MHz 1 Carrier / 256QAM / High / Non-Contiguous



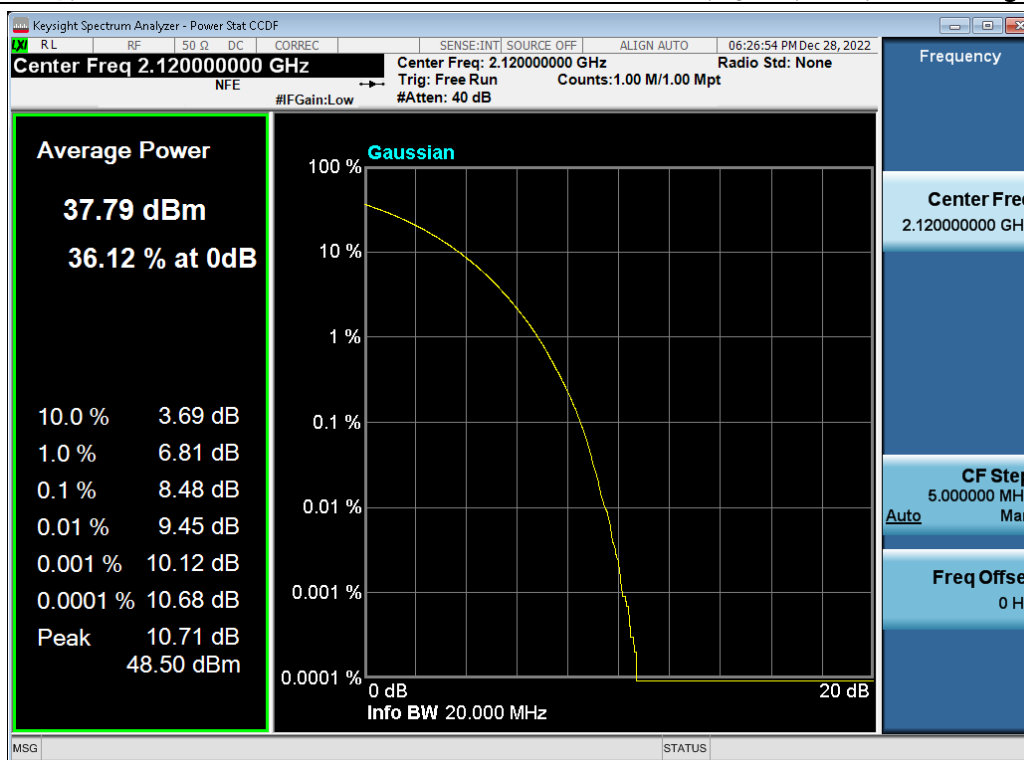
Antenna 1 / (4 Port) DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [3 Carrier]
[1C+2C] / DSS B66 10 MHz 1 Carrier / 256QAM / Low / Non-Contiguous



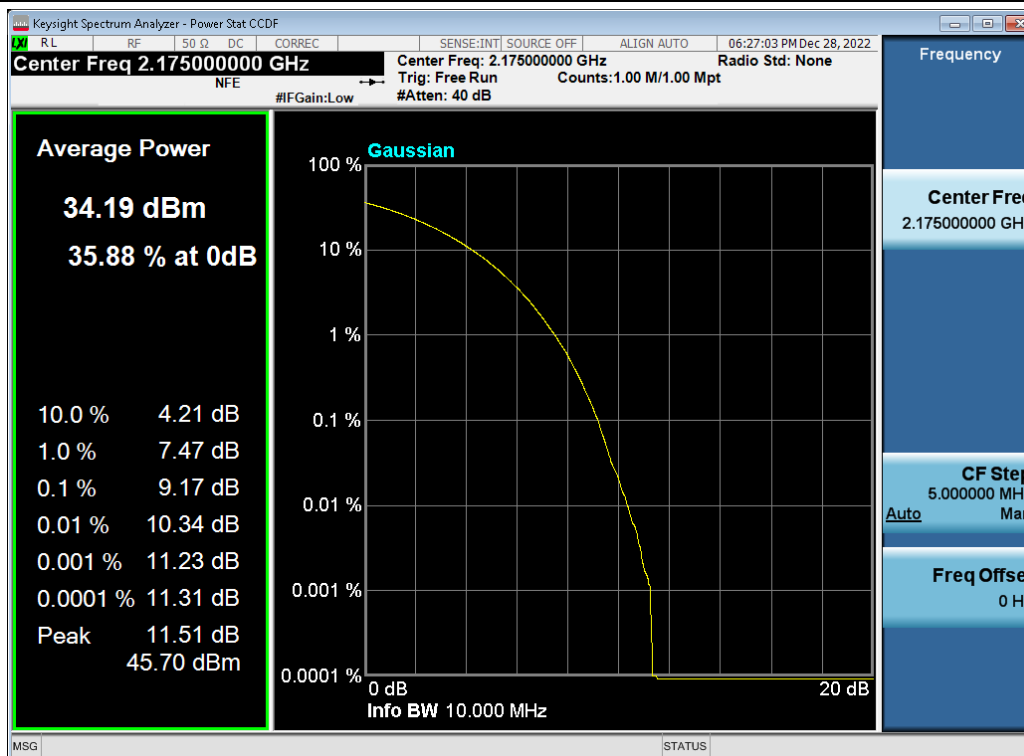
Antenna 1 / (4 Port) DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [3 Carrier]
[1C+2C] / DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier / 256QAM / High / Non-Contiguous



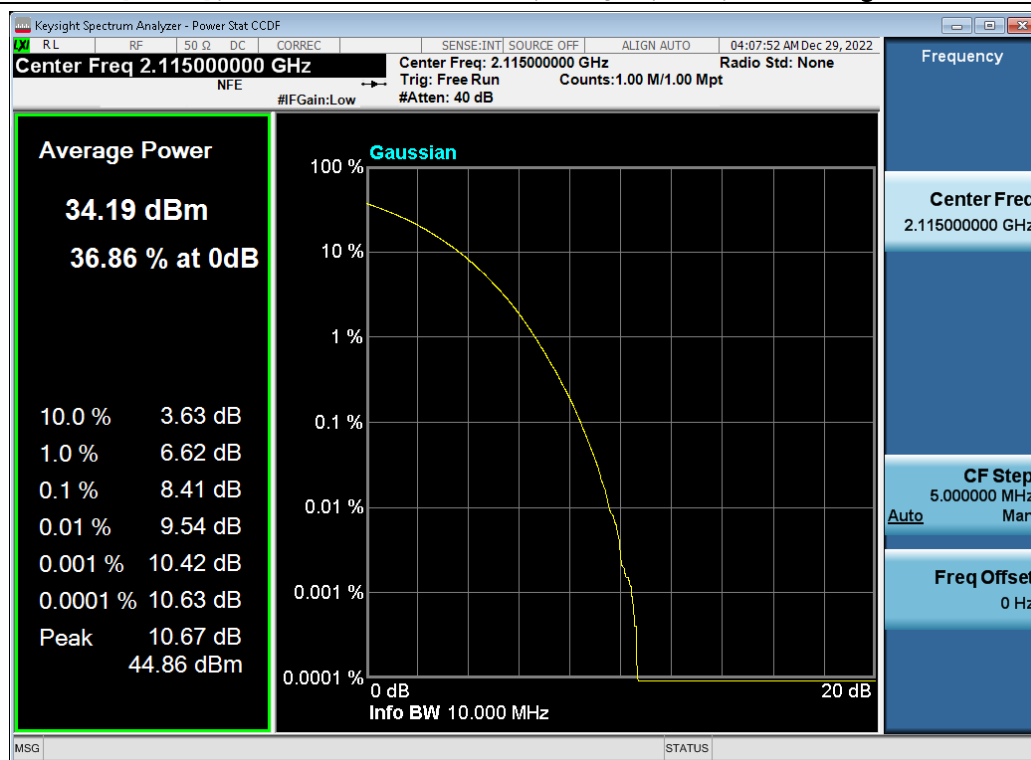
Antenna 1 / (4 Port) DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [3 Carrier]
[2C+1C] / DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier / QPSK / Low / Non-Contiguous



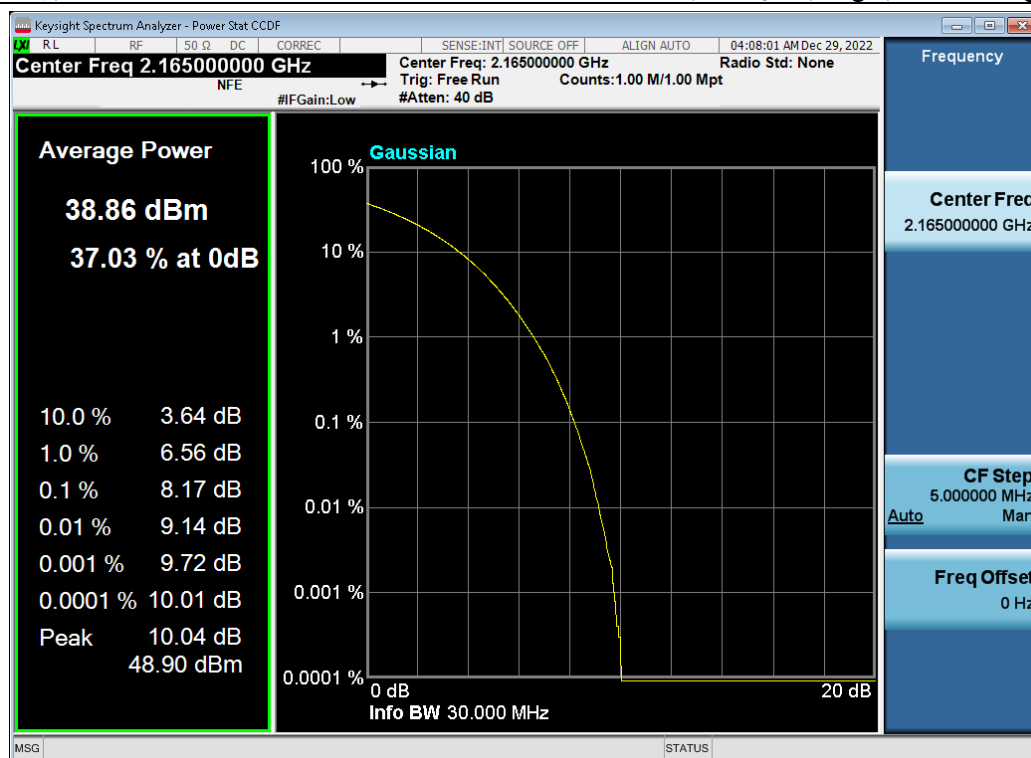
Antenna 1 / (4 Port) DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [3 Carrier]
[2C+1C] / DSS B66 10 MHz 1 Carrier / QPSK / High / Non-Contiguous



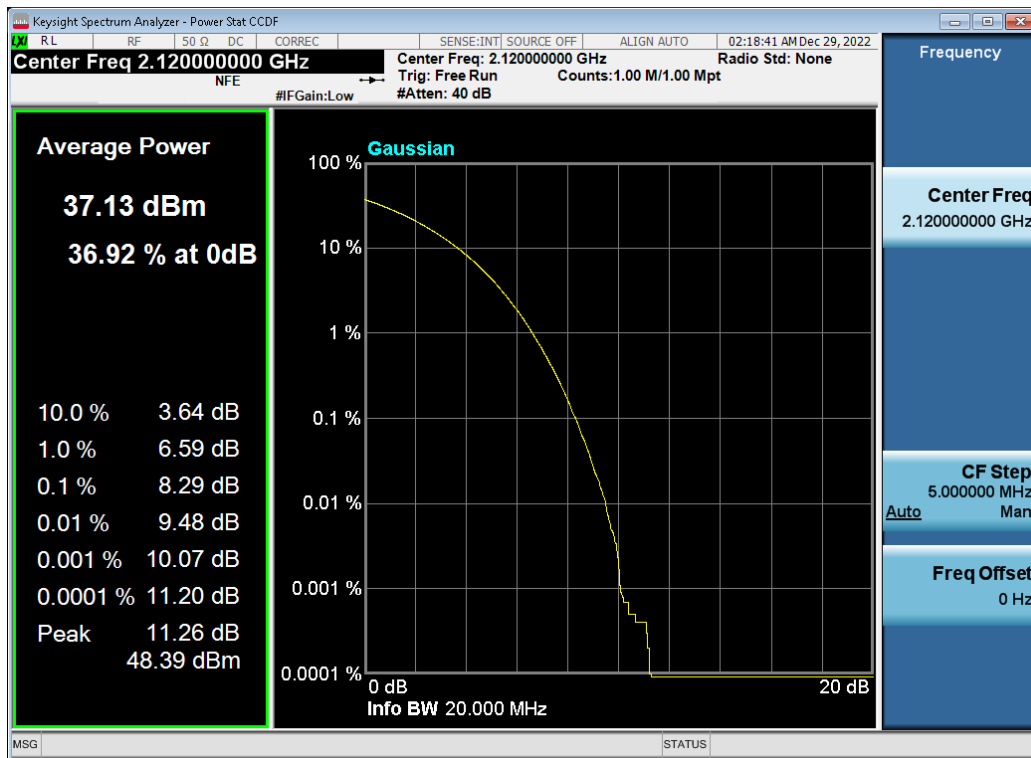
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[1C+2C] / DSS B66 10 MHz 1 Carrier / 256QAM / Low / Non-Contiguous



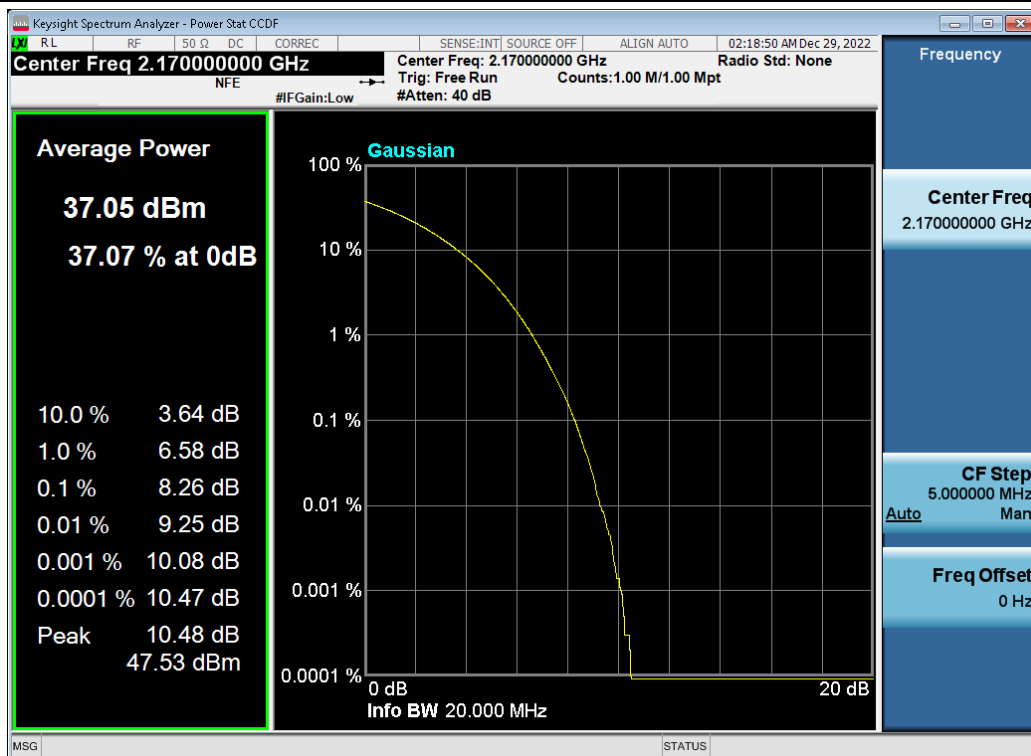
Antenna 1 / (4 Port) DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 20 MHz 1 Carrier [3 Carrier]
[1C+2C] / DSS B66 10 MHz 1 Carrier + DSS B66 20 MHz 1 Carrier / 256QAM / High / Non-Contiguous



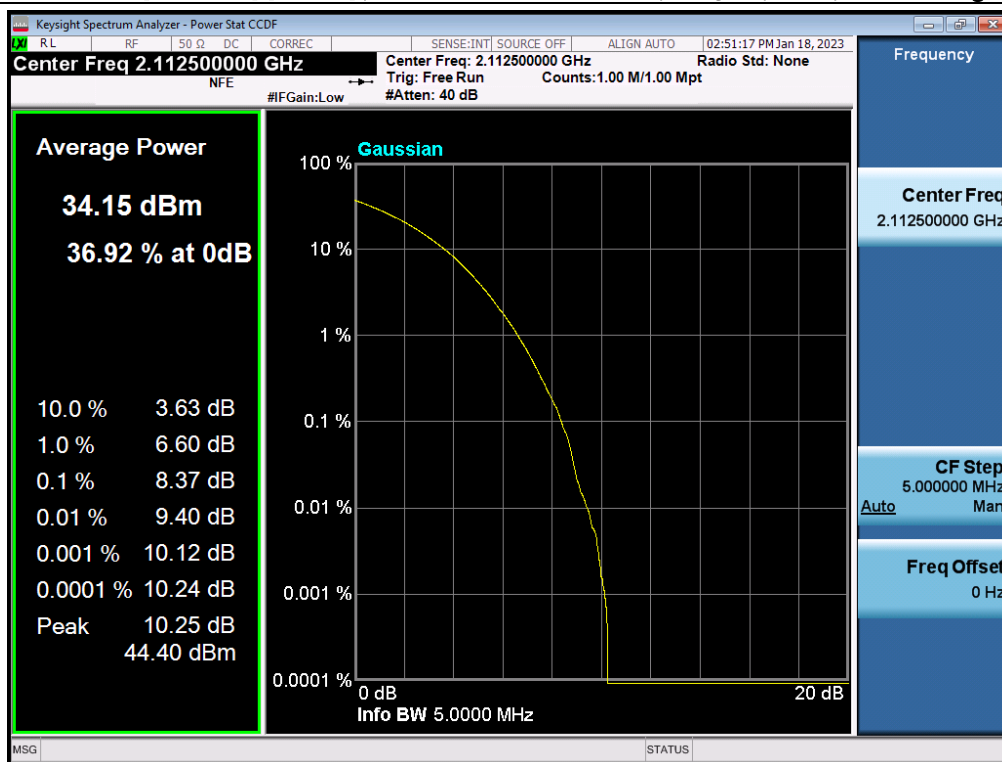
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[2C+1C] / DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier / 64QAM / Low / Non-Contiguous



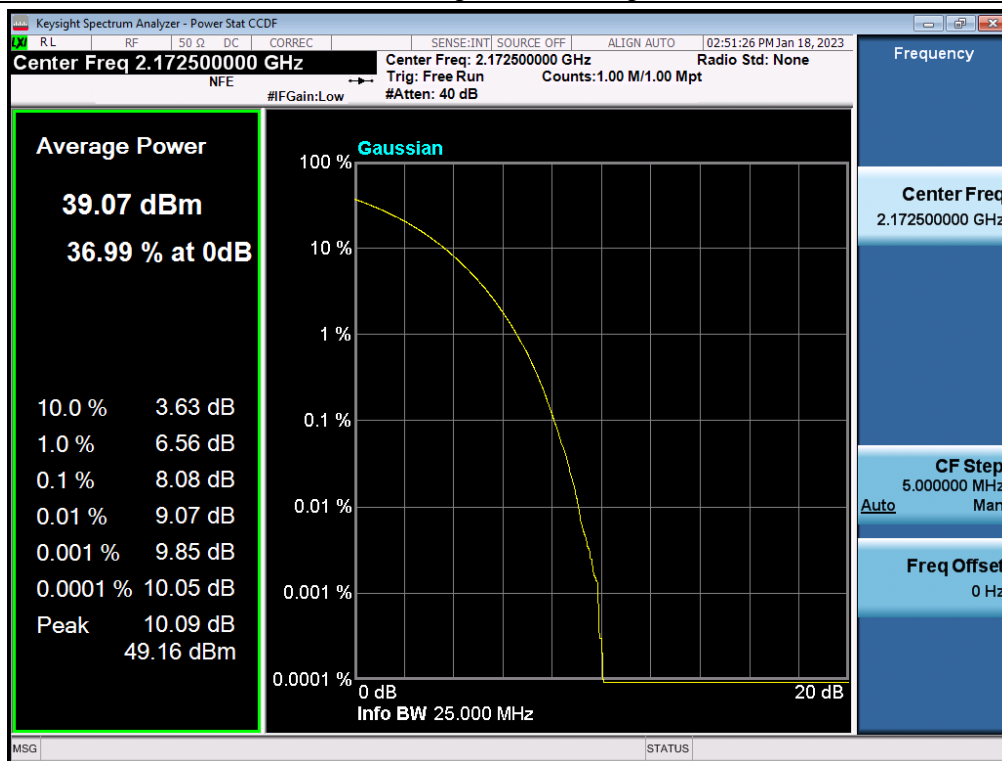
Antenna 1 / (4 Port) DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 20 MHz 1 Carrier [3 Carrier]
[2C+1C] / DSS B66 20 MHz 1 Carrier / 64QAM / High / Non-Contiguous



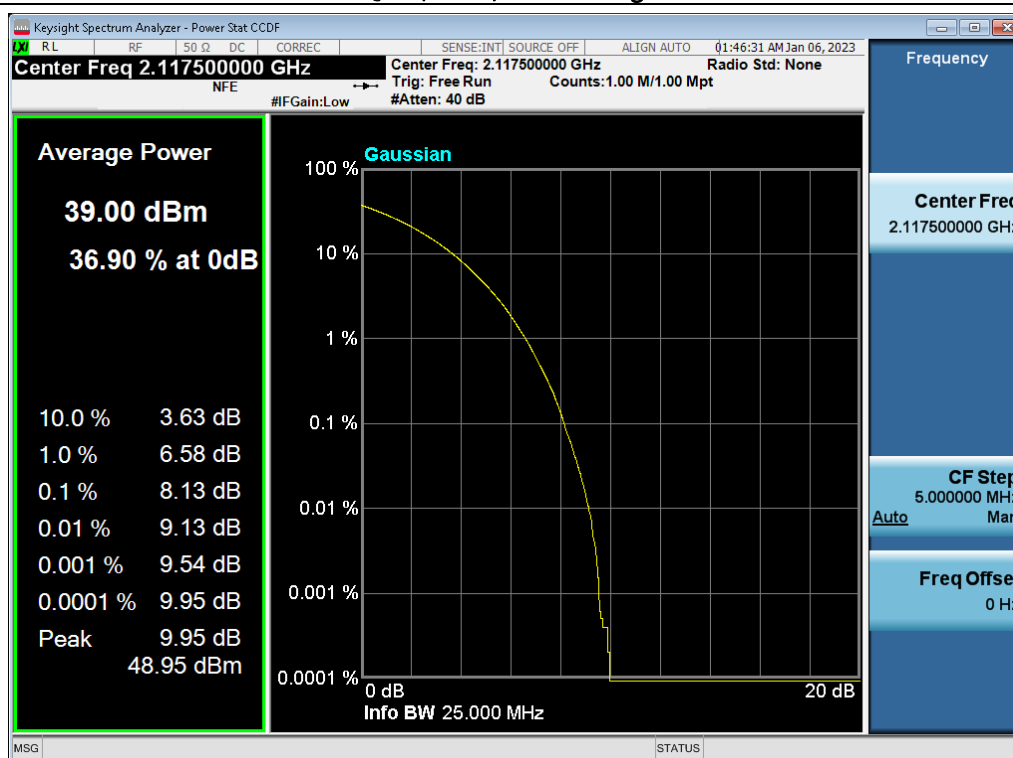
Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [4 Carrier] [1C+3C] / LTE B66 5 MHz 1 Carrier / 64QAM / Low / Non-Contiguous



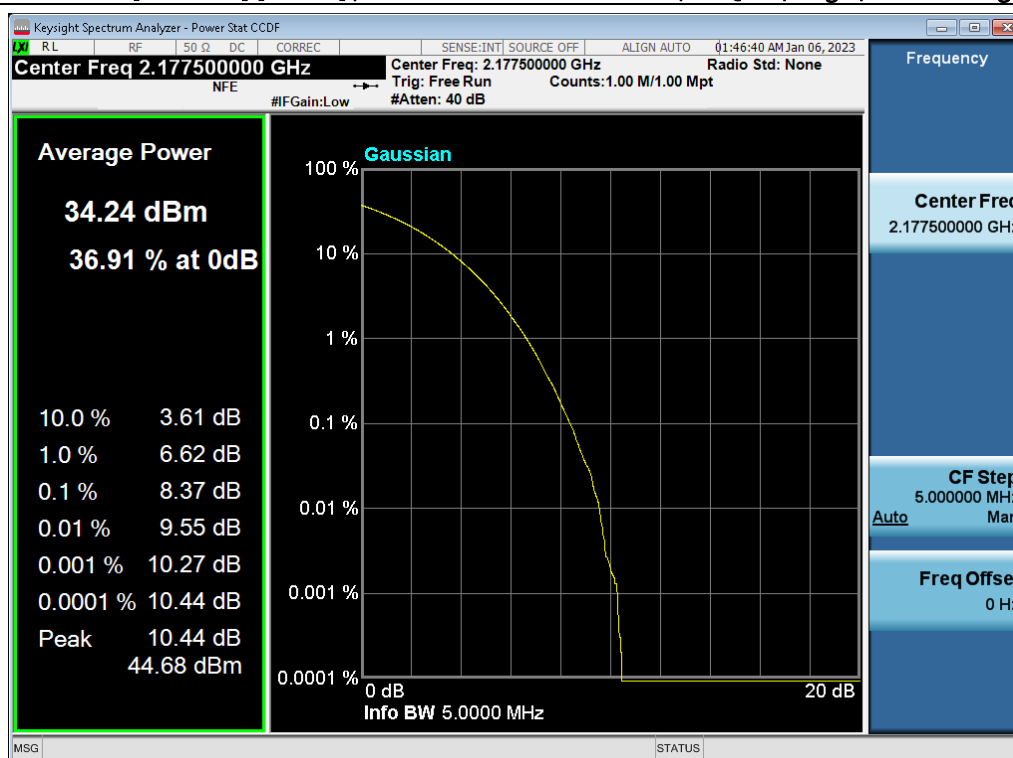
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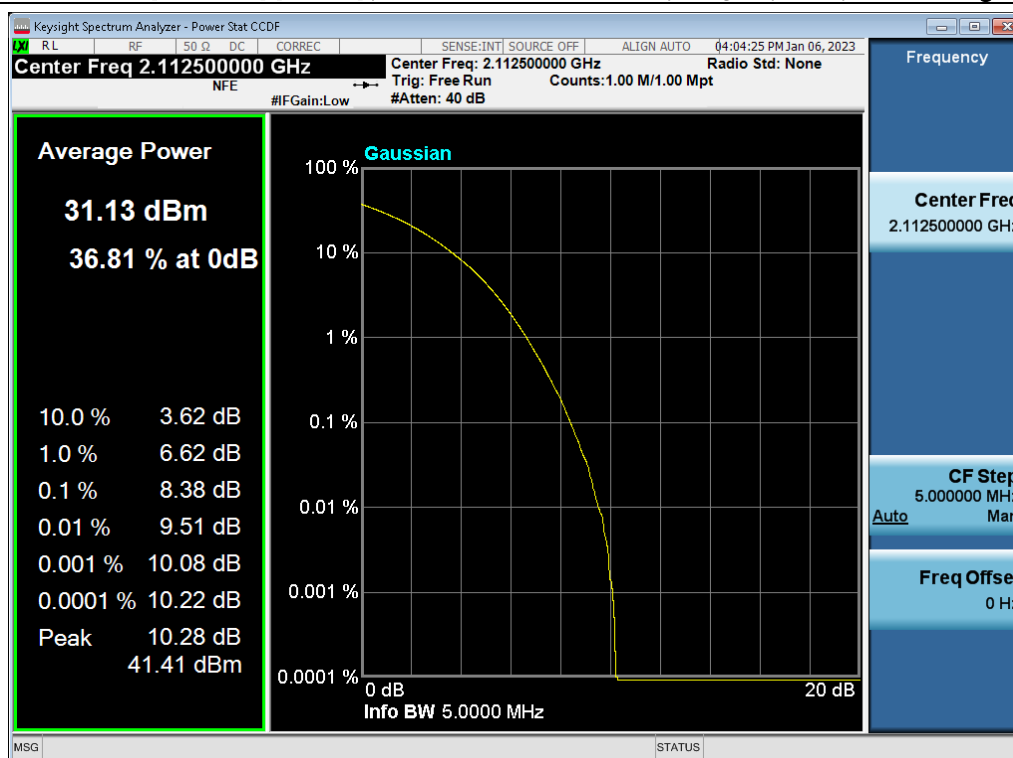
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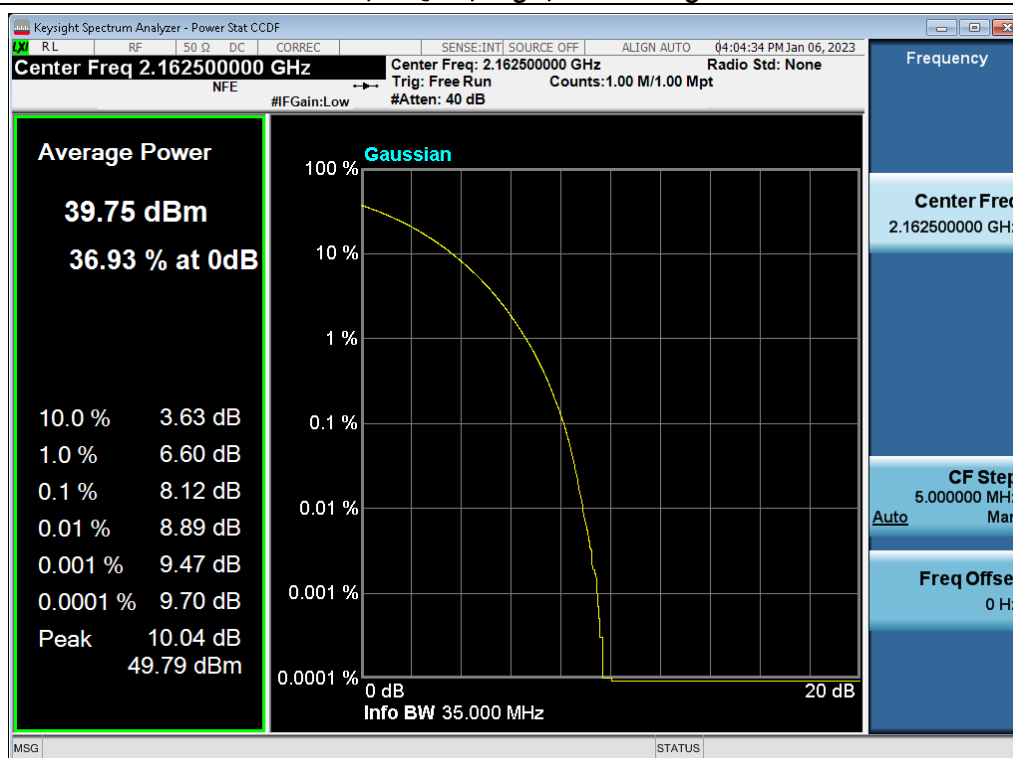
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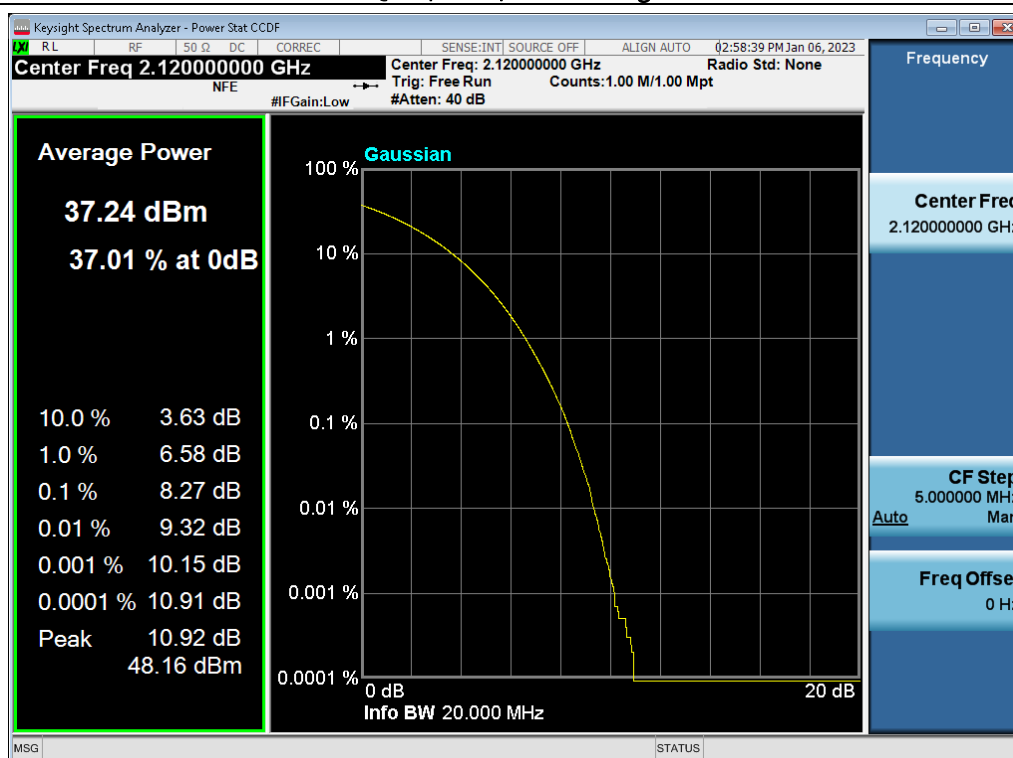
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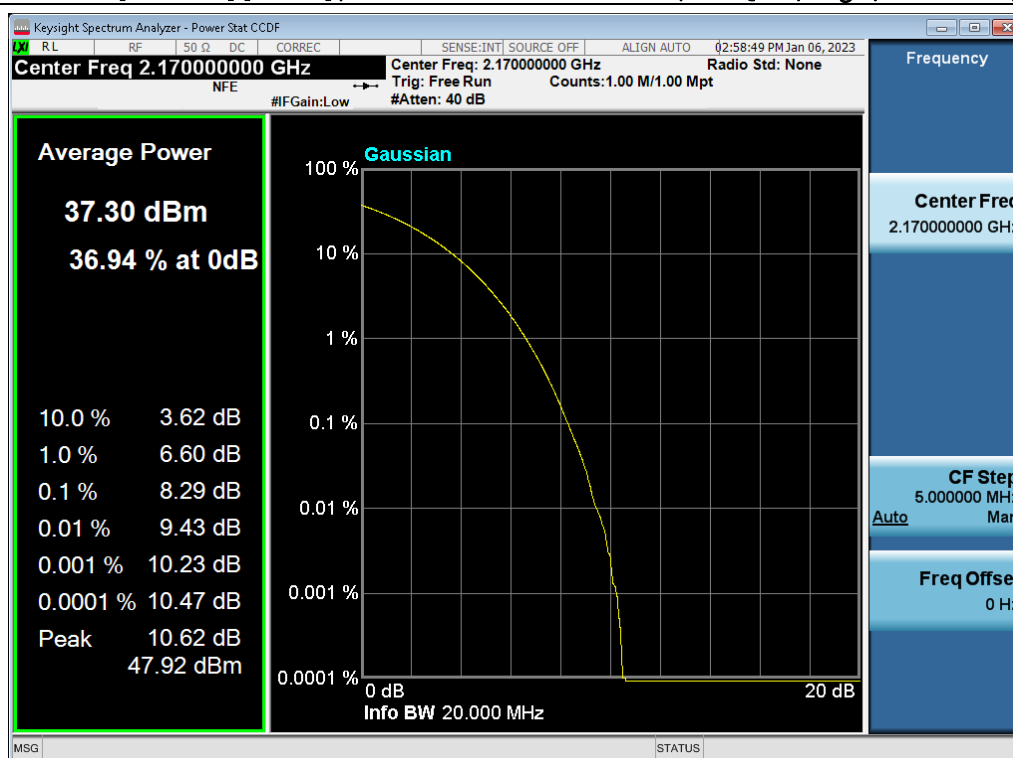
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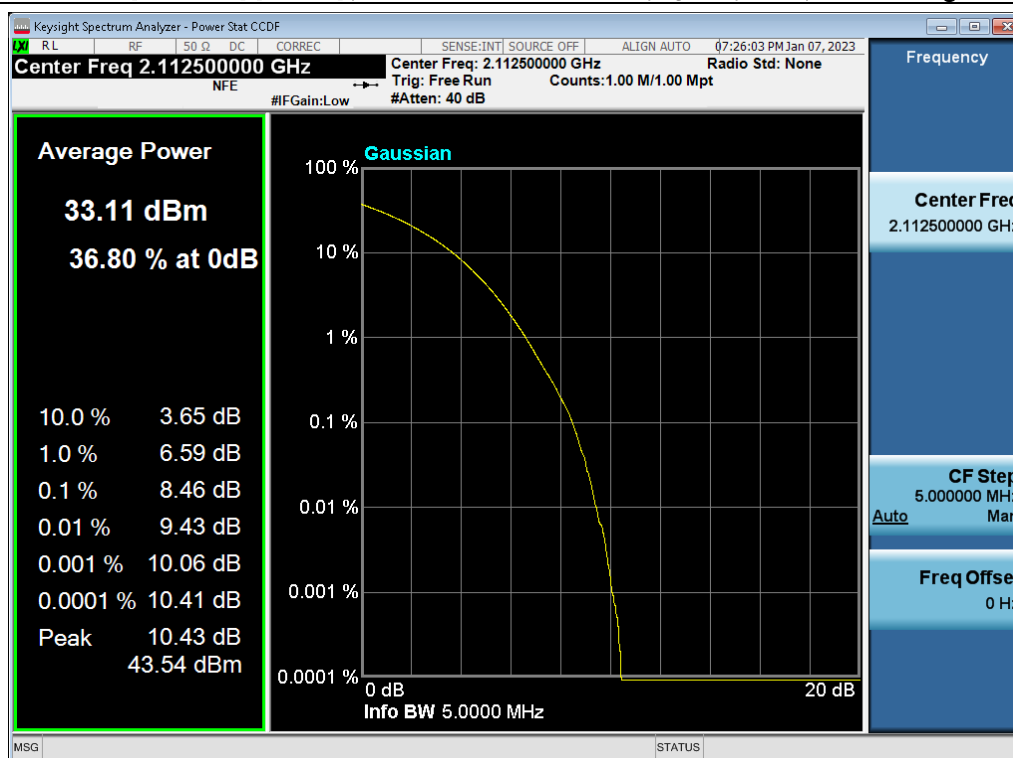
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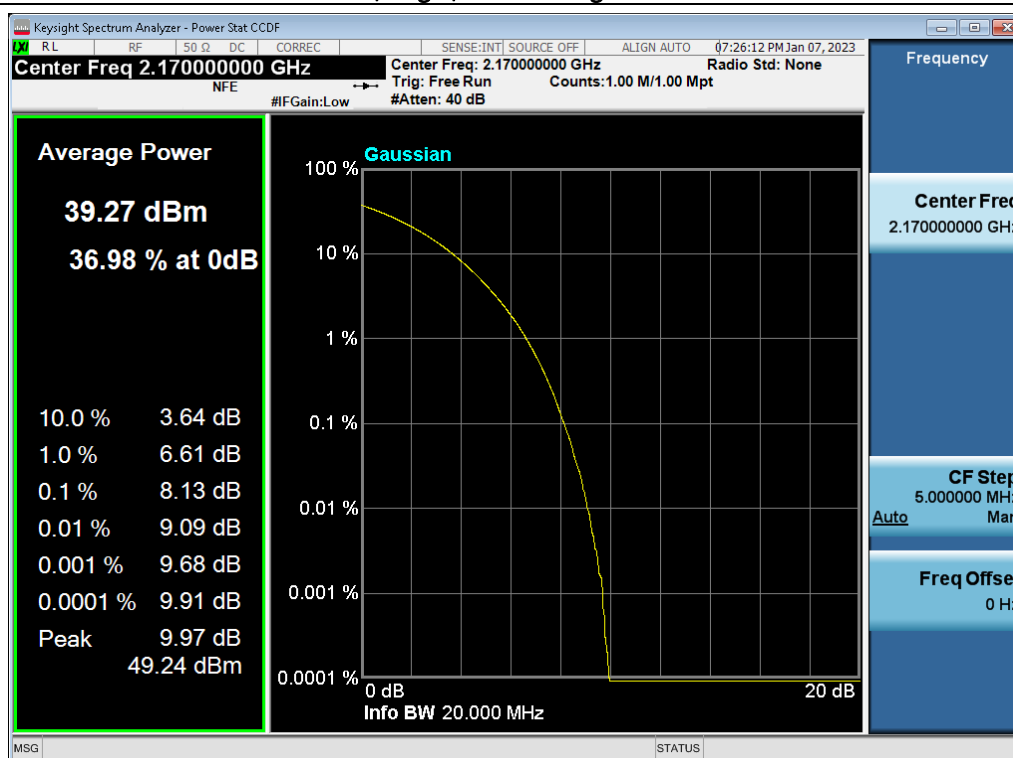
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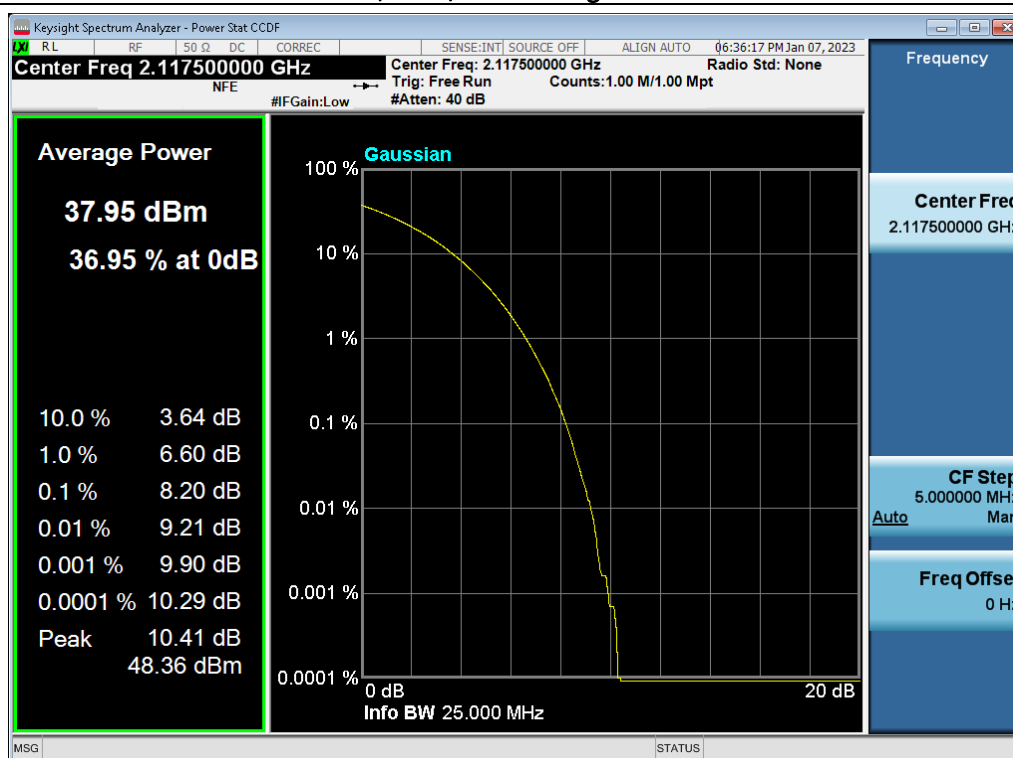
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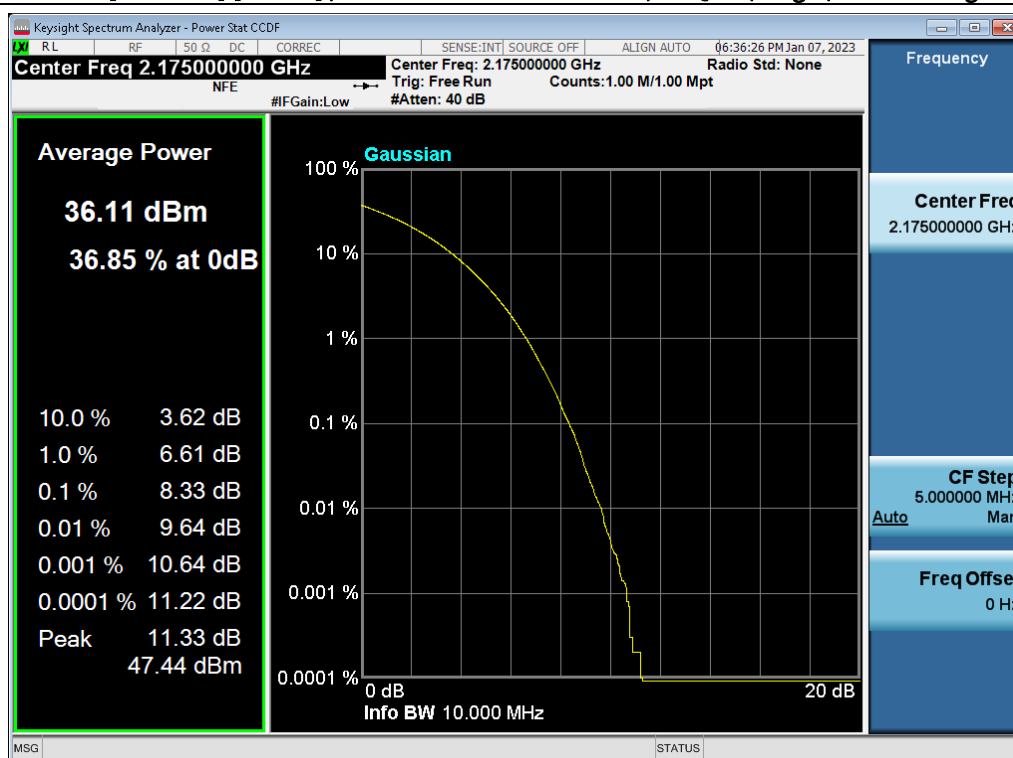
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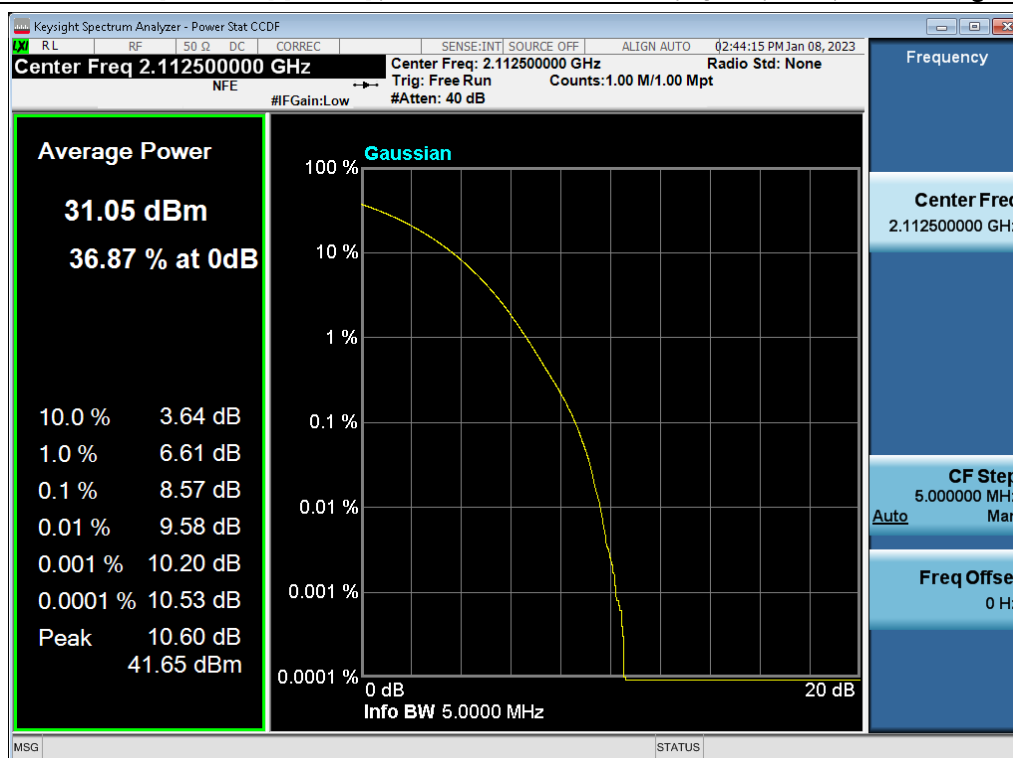
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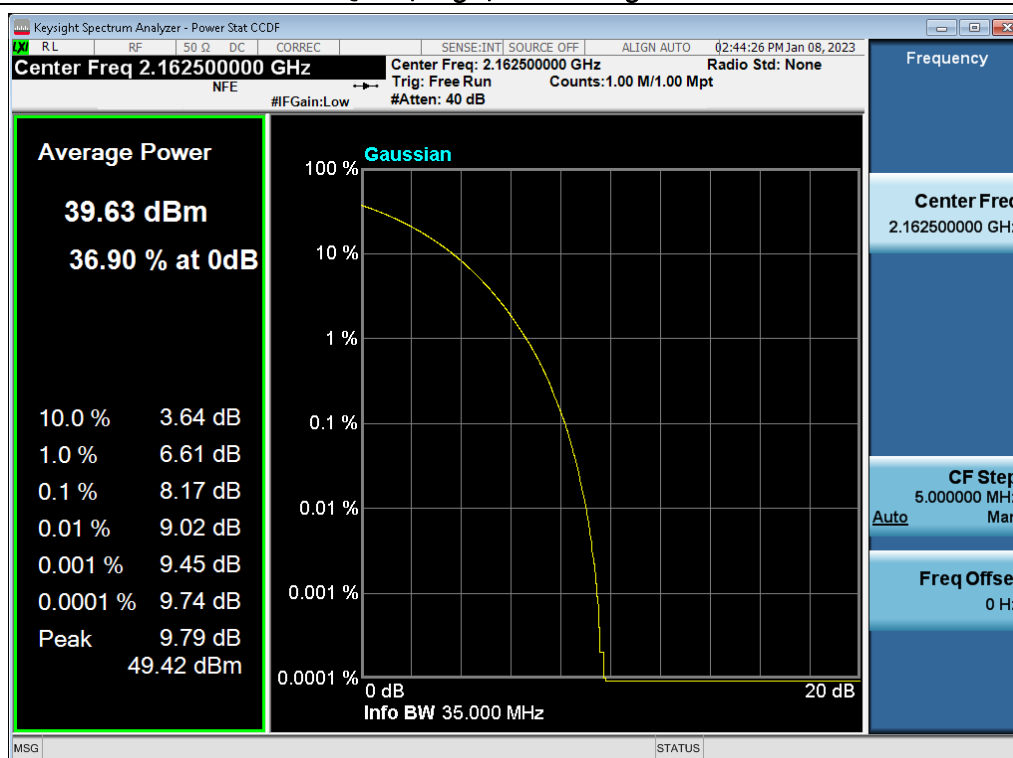
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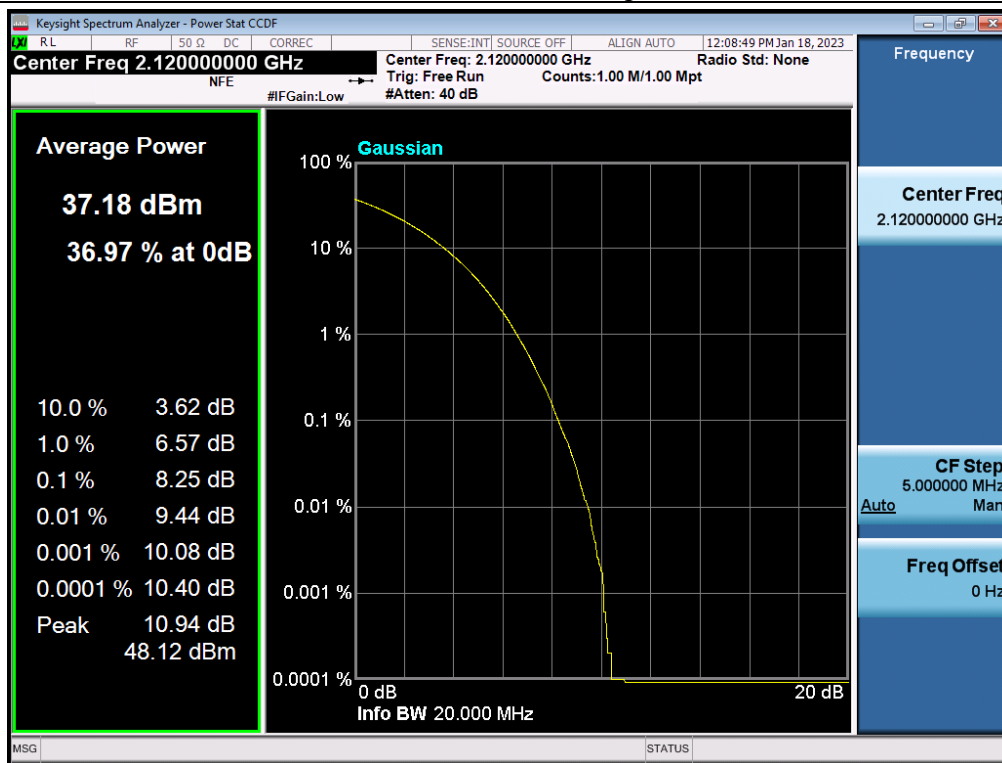
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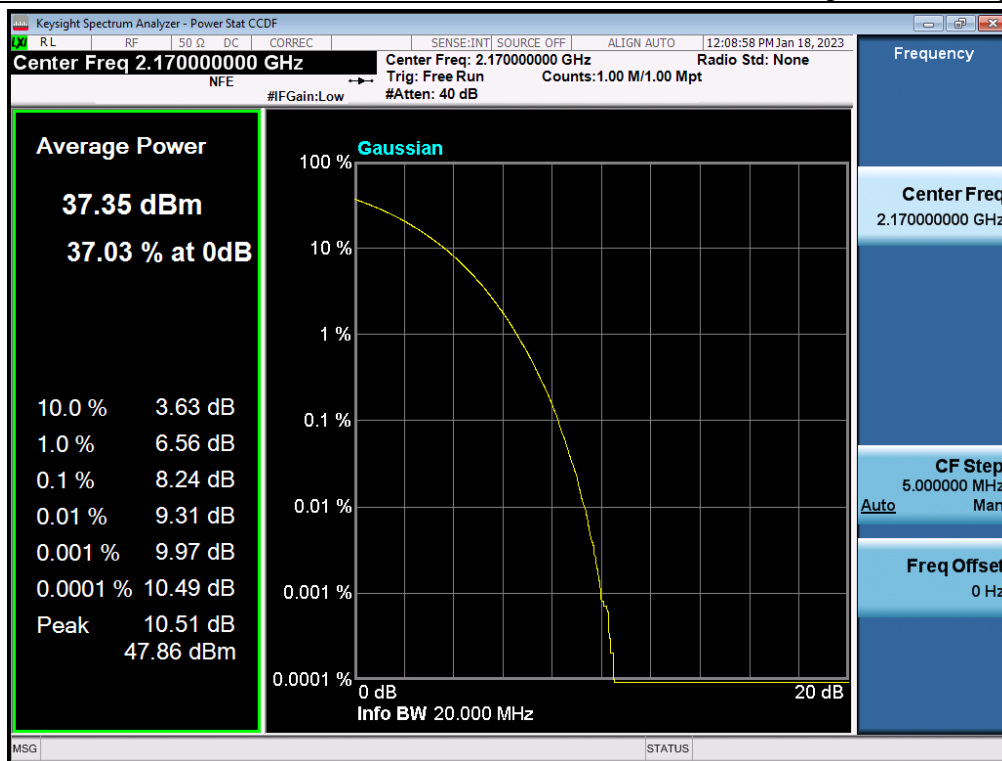
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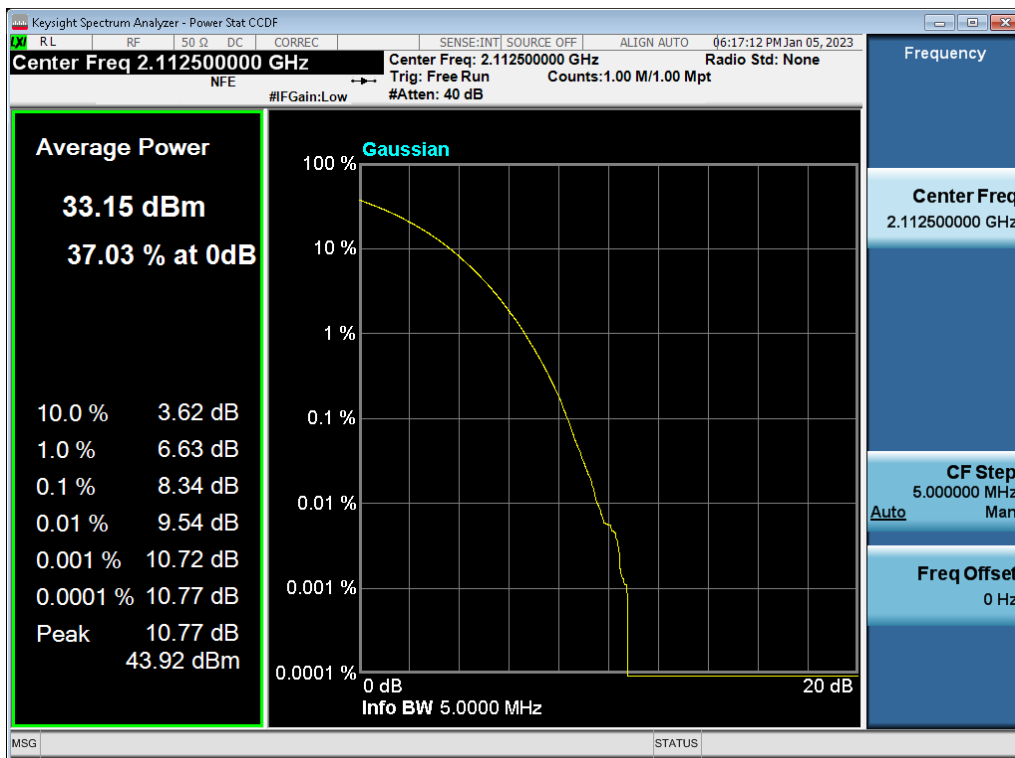
Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [4 Carrier] [3C+1C] / LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier / 64QAM / Low / Non-Contiguous



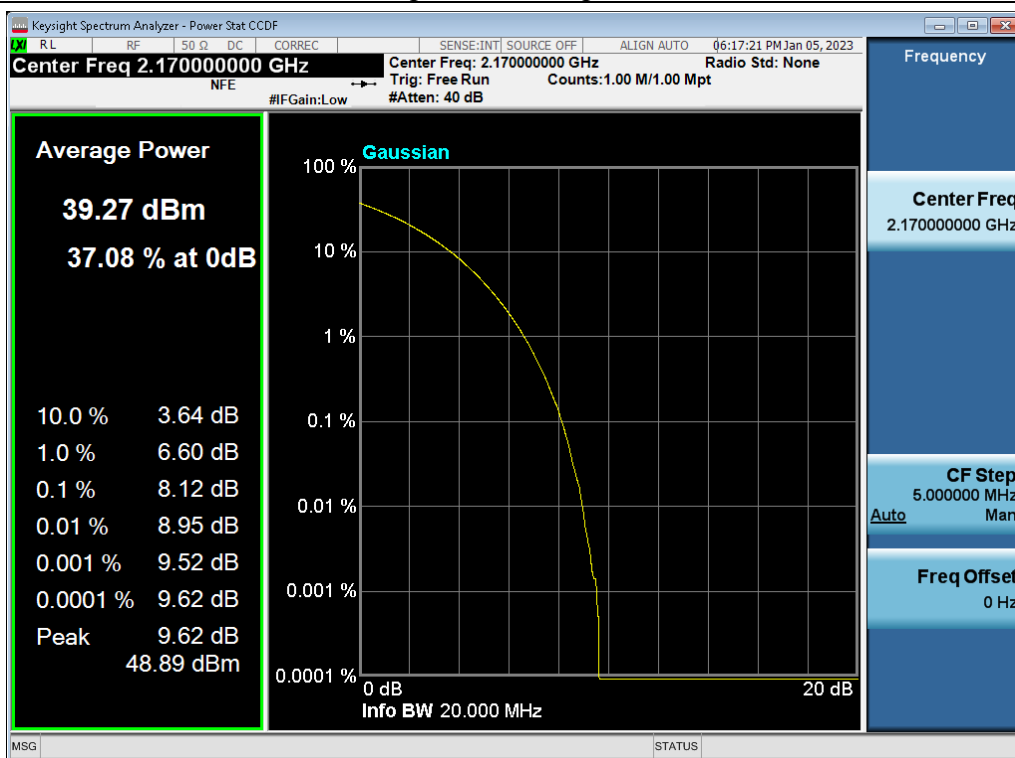
Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [4 Carrier] [3C+1C] / 5G NR n66 20 MHz 1 Carrier / 64QAM / High / Non-Contiguous



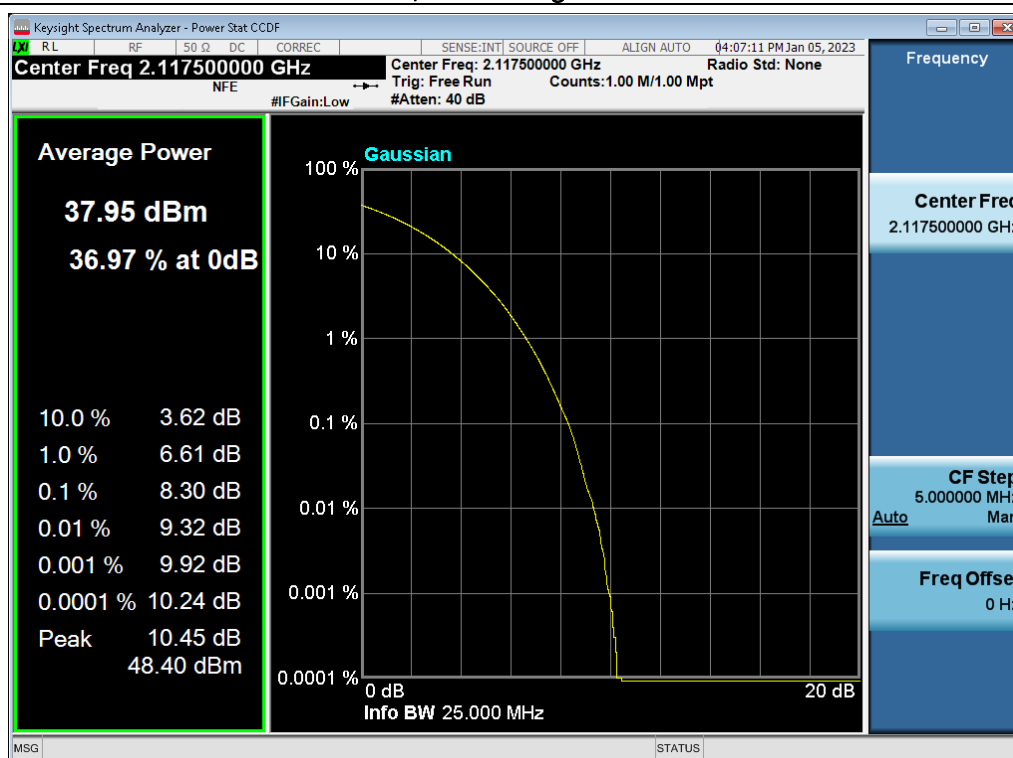
Antenna 1 / (4 Port) DSS B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 10 MHz 1 Carrier [4 Carrier] [1C+3C] / DSS B66 5 MHz 1 Carrier / 256QAM / Low / Non-Contiguous



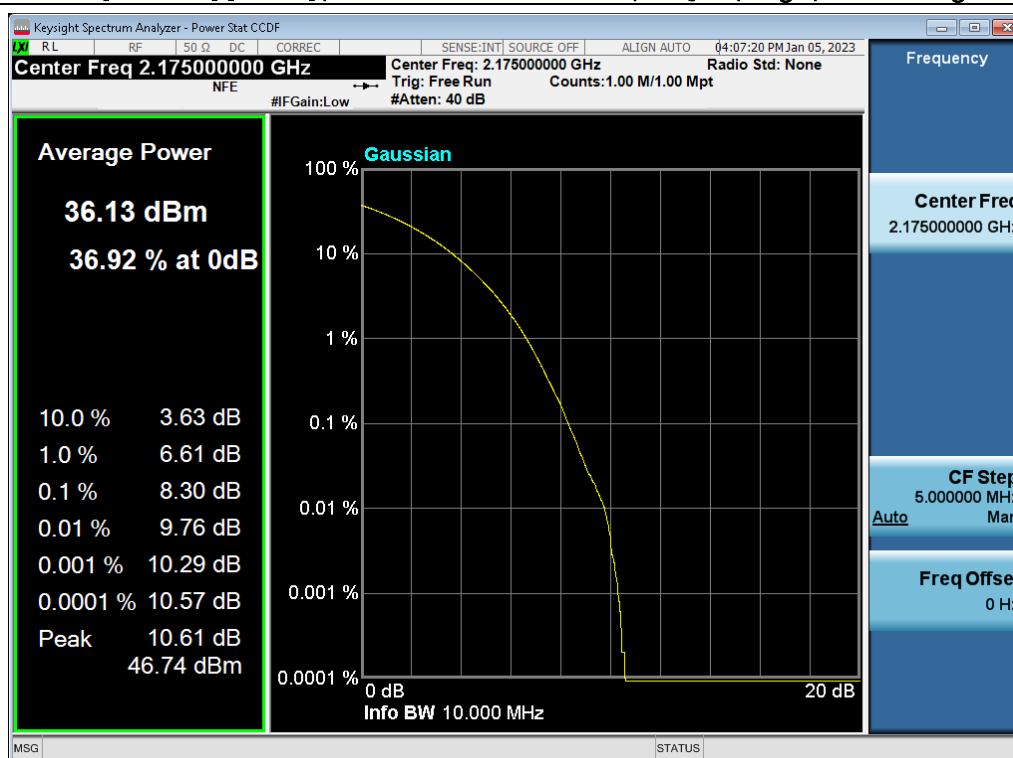
Antenna 1 / (4 Port) DSS B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 10 MHz 1 Carrier [4 Carrier] [1C+3C] / LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 10 MHz 1 Carrier / 256QAM / High / Non-Contiguous



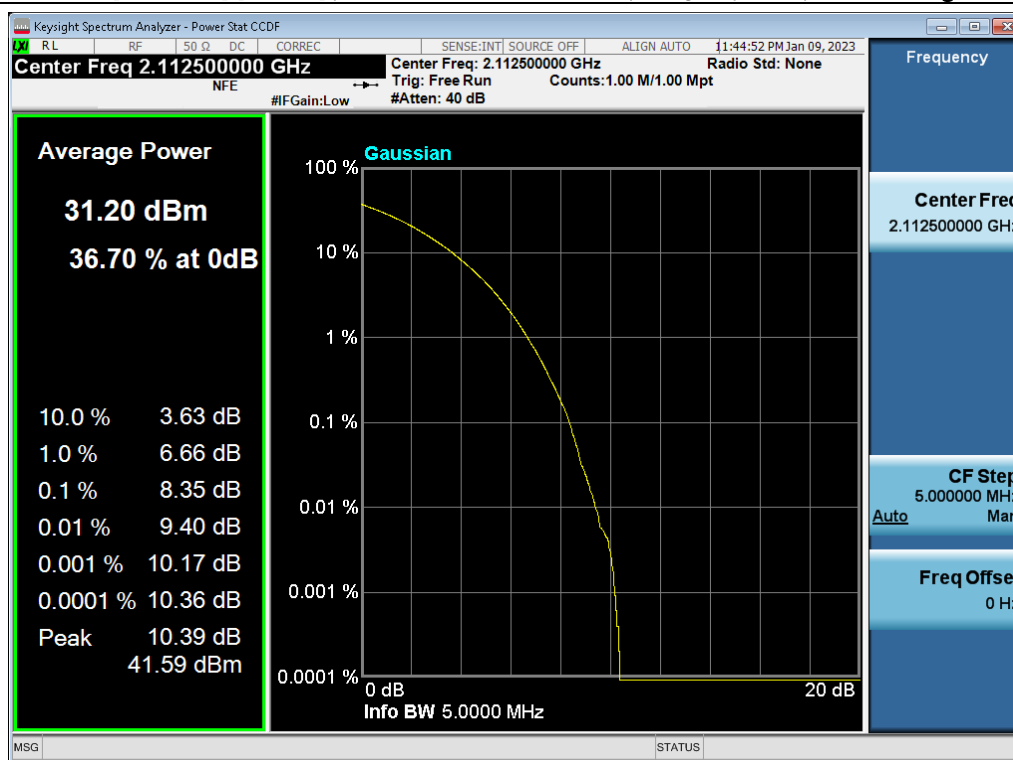
Antenna 1 / (4 Port) DSS B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 10 MHz 1 Carrier [4 Carrier] [3C+1C] / DSS B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier / 16QAM / Low / Non-Contiguous



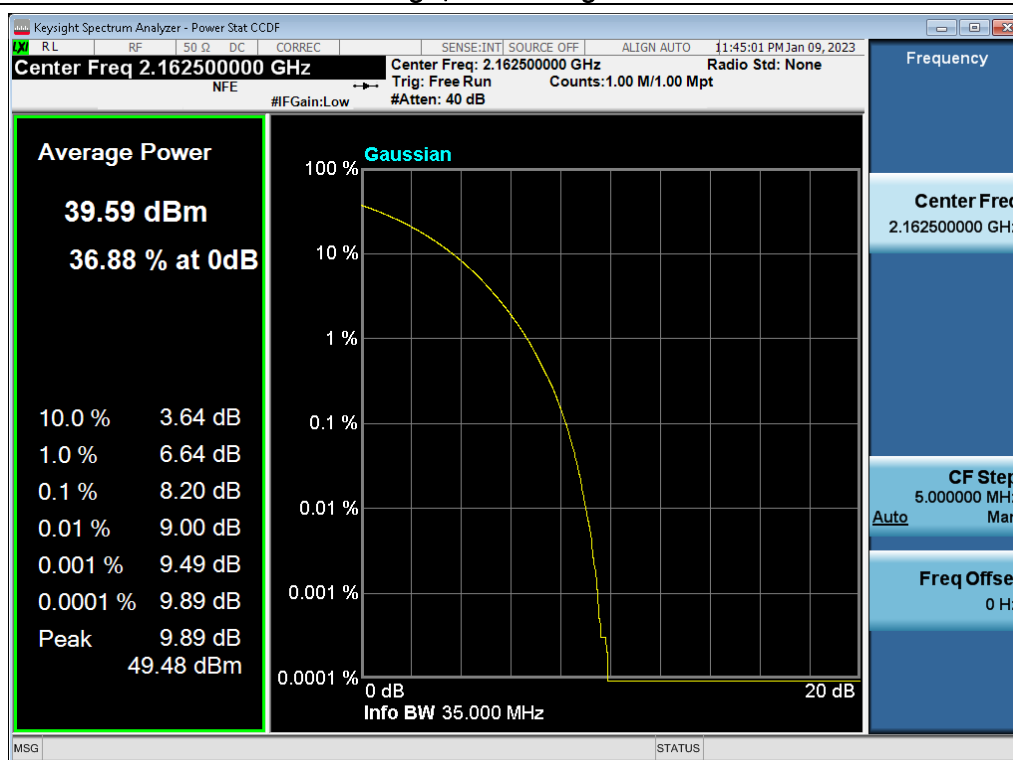
Antenna 1 / (4 Port) DSS B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 10 MHz 1 Carrier [4 Carrier] [3C+1C] / LTE B66 10 MHz 1 Carrier / 16QAM / High / Non-Contiguous



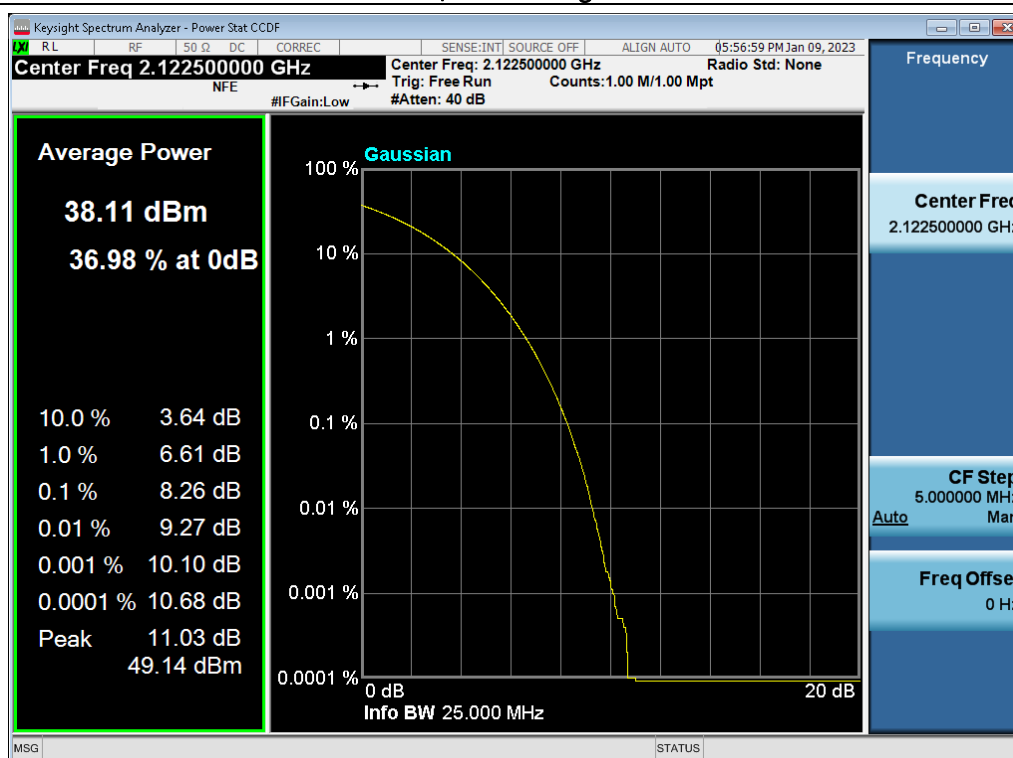
Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 15 MHz 1 Carrier [4 Carrier] [1C+3C] / LTE B66 5 MHz 1 Carrier / 16QAM / Low / Non-Contiguous



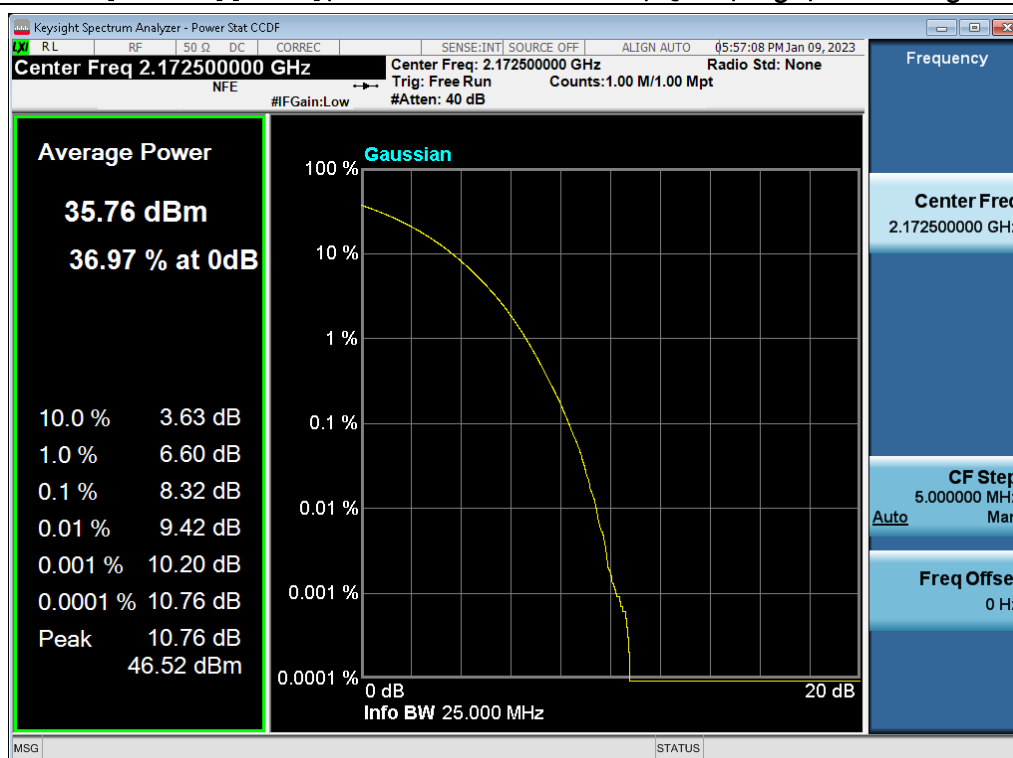
Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 15 MHz 1 Carrier [4 Carrier] [1C+3C] / DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 15 MHz 1 Carrier / 16QAM / High / Non-Contiguous



Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 15 MHz 1 Carrier [4 Carrier] [3C+1C] / LTE B66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier / QPSK / Low / Non-Contiguous



Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 15 MHz 1 Carrier [4 Carrier] [3C+1C] / DSS B66 15 MHz 1 Carrier / QPSK / 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 Occupied Bandwidth
(4 Port) 5G NR n2 5 MHz [1 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 932.50	4.4653
		Middle	1 960.00	4.4761
		High	1 987.50	4.4775
	16QAM	Low	1 932.50	4.4925
		Middle	1 960.00	4.4989
		High	1 987.50	4.4876
	64QAM	Low	1 932.50	4.4709
		Middle	1 960.00	4.4659
		High	1 987.50	4.4703
	256QAM	Low	1 932.50	4.4743
		Middle	1 960.00	4.4751
		High	1 987.50	4.4779
1	QPSK	Low	1 932.50	4.4756
		Middle	1 960.00	4.4743
		High	1 987.50	4.4709
	16QAM	Low	1 932.50	4.4952
		Middle	1 960.00	4.5005
		High	1 987.50	4.4921
	64QAM	Low	1 932.50	4.4807
		Middle	1 960.00	4.4780
		High	1 987.50	4.4735
	256QAM	Low	1 932.50	4.4800
		Middle	1 960.00	4.4759
		High	1 987.50	4.4776

2	QPSK	Low	1 932.50	4.4775
		Middle	1 960.00	4.4805
		High	1 987.50	4.4765
	16QAM	Low	1 932.50	4.4944
		Middle	1 960.00	4.4969
		High	1 987.50	4.5007
	64QAM	Low	1 932.50	4.4703
		Middle	1 960.00	4.4758
		High	1 987.50	4.4796
	256QAM	Low	1 932.50	4.4793
		Middle	1 960.00	4.4717
		High	1 987.50	4.4739
3	QPSK	Low	1 932.50	4.4774
		Middle	1 960.00	4.4732
		High	1 987.50	4.4767
	16QAM	Low	1 932.50	4.4949
		Middle	1 960.00	4.4961
		High	1 987.50	4.4961
	64QAM	Low	1 932.50	4.4793
		Middle	1 960.00	4.4729
		High	1 987.50	4.4771
	256QAM	Low	1 932.50	4.4614
		Middle	1 960.00	4.4715
		High	1 987.50	4.4796

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 935.00	9.2985
		Middle	1 960.00	9.3200
		High	1 985.00	9.3079
	16QAM	Low	1 935.00	9.2343
		Middle	1 960.00	9.2351
		High	1 985.00	9.2188
	64QAM	Low	1 935.00	9.2841
		Middle	1 960.00	9.3258
		High	1 985.00	9.3128
	256QAM	Low	1 935.00	9.3015
		Middle	1 960.00	9.3047
		High	1 985.00	9.3242
1	QPSK	Low	1 935.00	9.2759
		Middle	1 960.00	9.3081
		High	1 985.00	9.3249
	16QAM	Low	1 935.00	9.2499
		Middle	1 960.00	9.2430
		High	1 985.00	9.2509
	64QAM	Low	1 935.00	9.2799
		Middle	1 960.00	9.3158
		High	1 985.00	9.3111
	256QAM	Low	1 935.00	9.2942
		Middle	1 960.00	9.3166
		High	1 985.00	9.3195

2	QPSK	Low	1 935.00	9.3108
		Middle	1 960.00	9.3196
		High	1 985.00	9.3135
	16QAM	Low	1 935.00	9.2678
		Middle	1 960.00	9.2452
		High	1 985.00	9.2178
	64QAM	Low	1 935.00	9.3221
		Middle	1 960.00	9.3125
		High	1 985.00	9.3036
	256QAM	Low	1 935.00	9.2886
		Middle	1 960.00	9.2931
		High	1 985.00	9.3239
3	QPSK	Low	1 935.00	9.2765
		Middle	1 960.00	9.3043
		High	1 985.00	9.3070
	16QAM	Low	1 935.00	9.2414
		Middle	1 960.00	9.2229
		High	1 985.00	9.2333
	64QAM	Low	1 935.00	9.3137
		Middle	1 960.00	9.3002
		High	1 985.00	9.3064
	256QAM	Low	1 935.00	9.2945
		Middle	1 960.00	9.2979
		High	1 985.00	9.3120

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 937.50	14.145
		Middle	1 960.00	14.138
		High	1 982.50	14.126
	16QAM	Low	1 937.50	14.199
		Middle	1 960.00	14.205
		High	1 982.50	14.196
	64QAM	Low	1 937.50	14.127
		Middle	1 960.00	14.110
		High	1 982.50	14.116
	256QAM	Low	1 937.50	14.143
		Middle	1 960.00	14.139
		High	1 982.50	14.131
1	QPSK	Low	1 937.50	14.135
		Middle	1 960.00	14.172
		High	1 982.50	14.142
	16QAM	Low	1 937.50	14.173
		Middle	1 960.00	14.175
		High	1 982.50	14.180
	64QAM	Low	1 937.50	14.117
		Middle	1 960.00	14.149
		High	1 982.50	14.096
	256QAM	Low	1 937.50	14.119
		Middle	1 960.00	14.120
		High	1 982.50	14.136

2	QPSK	Low	1 937.50	14.125
		Middle	1 960.00	14.124
		High	1 982.50	14.142
	16QAM	Low	1 937.50	14.181
		Middle	1 960.00	14.169
		High	1 982.50	14.207
	64QAM	Low	1 937.50	14.110
		Middle	1 960.00	14.145
		High	1 982.50	14.128
	256QAM	Low	1 937.50	14.161
		Middle	1 960.00	14.152
		High	1 982.50	14.146
3	QPSK	Low	1 937.50	14.100
		Middle	1 960.00	14.118
		High	1 982.50	14.130
	16QAM	Low	1 937.50	14.186
		Middle	1 960.00	14.188
		High	1 982.50	14.168
	64QAM	Low	1 937.50	14.111
		Middle	1 960.00	14.139
		High	1 982.50	14.159
	256QAM	Low	1 937.50	14.124
		Middle	1 960.00	14.126
		High	1 982.50	14.143

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 940.00	18.988
		Middle	1 960.00	18.965
		High	1 980.00	18.968
	16QAM	Low	1 940.00	18.984
		Middle	1 960.00	19.035
		High	1 980.00	19.015
	64QAM	Low	1 940.00	18.926
		Middle	1 960.00	18.943
		High	1 980.00	18.981
	256QAM	Low	1 940.00	18.947
		Middle	1 960.00	18.923
		High	1 980.00	19.015
1	QPSK	Low	1 940.00	18.961
		Middle	1 960.00	18.948
		High	1 980.00	18.974
	16QAM	Low	1 940.00	19.041
		Middle	1 960.00	19.036
		High	1 980.00	19.046
	64QAM	Low	1 940.00	19.014
		Middle	1 960.00	18.970
		High	1 980.00	18.954
	256QAM	Low	1 940.00	18.950
		Middle	1 960.00	18.930
		High	1 980.00	18.971

2	QPSK	Low	1 940.00	18.947
		Middle	1 960.00	18.964
		High	1 980.00	18.958
	16QAM	Low	1 940.00	19.010
		Middle	1 960.00	19.020
		High	1 980.00	19.010
	64QAM	Low	1 940.00	18.950
		Middle	1 960.00	18.960
		High	1 980.00	18.961
	256QAM	Low	1 940.00	18.907
		Middle	1 960.00	18.972
		High	1 980.00	19.008
3	QPSK	Low	1 940.00	18.977
		Middle	1 960.00	18.937
		High	1 980.00	18.961
	16QAM	Low	1 940.00	18.988
		Middle	1 960.00	19.031
		High	1 980.00	19.048
	64QAM	Low	1 940.00	18.959
		Middle	1 960.00	18.913
		High	1 980.00	18.986
	256QAM	Low	1 940.00	19.024
		Middle	1 960.00	18.979
		High	1 980.00	18.980

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 935.00	9.2815
		Middle	1 960.00	9.2763
		High	1 985.00	9.3017
	16QAM	Low	1 935.00	9.2417
		Middle	1 960.00	9.1985
		High	1 985.00	9.2124
	64QAM	Low	1 935.00	9.2811
		Middle	1 960.00	9.3110
		High	1 985.00	9.2778
	256QAM	Low	1 935.00	9.2657
		Middle	1 960.00	9.3148
		High	1 985.00	9.3006
1	QPSK	Low	1 935.00	9.3102
		Middle	1 960.00	9.2886
		High	1 985.00	9.2886
	16QAM	Low	1 935.00	9.2232
		Middle	1 960.00	9.2020
		High	1 985.00	9.1998
	64QAM	Low	1 935.00	9.2994
		Middle	1 960.00	9.3020
		High	1 985.00	9.2985
	256QAM	Low	1 935.00	9.2840
		Middle	1 960.00	9.2998
		High	1 985.00	9.2936

2	QPSK	Low	1 935.00	9.2855
		Middle	1 960.00	9.3034
		High	1 985.00	9.3087
	16QAM	Low	1 935.00	9.2143
		Middle	1 960.00	9.2305
		High	1 985.00	9.1906
	64QAM	Low	1 935.00	9.2870
		Middle	1 960.00	9.3028
		High	1 985.00	9.2862
	256QAM	Low	1 935.00	9.3028
		Middle	1 960.00	9.3090
		High	1 985.00	9.3031
3	QPSK	Low	1 935.00	9.3284
		Middle	1 960.00	9.2650
		High	1 985.00	9.3183
	16QAM	Low	1 935.00	9.1987
		Middle	1 960.00	9.2088
		High	1 985.00	9.1938
	64QAM	Low	1 935.00	9.2882
		Middle	1 960.00	9.2917
		High	1 985.00	9.3113
	256QAM	Low	1 935.00	9.2889
		Middle	1 960.00	9.2946
		High	1 985.00	9.2834

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 935.00	9.2692
		Middle	1 960.00	9.2813
		High	1 985.00	9.2706
	16QAM	Low	1 935.00	9.2078
		Middle	1 960.00	9.1993
		High	1 985.00	9.0831
	64QAM	Low	1 935.00	9.2803
		Middle	1 960.00	9.2759
		High	1 985.00	9.2887
	256QAM	Low	1 935.00	9.2673
		Middle	1 960.00	9.2918
		High	1 985.00	9.3067
1	QPSK	Low	1 935.00	9.2934
		Middle	1 960.00	9.2728
		High	1 985.00	9.2825
	16QAM	Low	1 935.00	9.1922
		Middle	1 960.00	9.1865
		High	1 985.00	9.1186
	64QAM	Low	1 935.00	9.2610
		Middle	1 960.00	9.2583
		High	1 985.00	9.2930
	256QAM	Low	1 935.00	9.2923
		Middle	1 960.00	9.3135
		High	1 985.00	9.2832

2	QPSK	Low	1 935.00	9.2648
		Middle	1 960.00	9.3127
		High	1 985.00	9.2821
	16QAM	Low	1 935.00	9.1714
		Middle	1 960.00	9.1761
		High	1 985.00	9.1146
	64QAM	Low	1 935.00	9.2781
		Middle	1 960.00	9.2859
		High	1 985.00	9.2526
	256QAM	Low	1 935.00	9.3149
		Middle	1 960.00	9.2854
		High	1 985.00	9.2803
3	QPSK	Low	1 935.00	9.2949
		Middle	1 960.00	9.2429
		High	1 985.00	9.2765
	16QAM	Low	1 935.00	9.1974
		Middle	1 960.00	9.1564
		High	1 985.00	9.1345
	64QAM	Low	1 935.00	9.2894
		Middle	1 960.00	9.2697
		High	1 985.00	9.2937
	256QAM	Low	1 935.00	9.2728
		Middle	1 960.00	9.2819
		High	1 985.00	9.2913

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 935.00	9.2190
		Middle	1 960.00	9.1453
		High	1 985.00	9.1694
	16QAM	Low	1 935.00	9.1103
		Middle	1 960.00	9.0764
		High	1 985.00	9.1290
	64QAM	Low	1 935.00	9.2087
		Middle	1 960.00	9.2012
		High	1 985.00	9.2196
	256QAM	Low	1 935.00	9.2538
		Middle	1 960.00	9.1995
		High	1 985.00	9.1248
1	QPSK	Low	1 935.00	9.1150
		Middle	1 960.00	9.1762
		High	1 985.00	9.1667
	16QAM	Low	1 935.00	9.1232
		Middle	1 960.00	9.1212
		High	1 985.00	9.1507
	64QAM	Low	1 935.00	9.1470
		Middle	1 960.00	9.1633
		High	1 985.00	9.1526
	256QAM	Low	1 935.00	9.1773
		Middle	1 960.00	9.2544
		High	1 985.00	9.2779

2	QPSK	Low	1 935.00	9.1628
		Middle	1 960.00	9.2611
		High	1 985.00	9.1987
	16QAM	Low	1 935.00	9.1487
		Middle	1 960.00	9.1381
		High	1 985.00	9.1046
	64QAM	Low	1 935.00	9.1544
		Middle	1 960.00	9.1642
		High	1 985.00	9.2101
	256QAM	Low	1 935.00	9.1283
		Middle	1 960.00	9.2170
		High	1 985.00	9.1399
3	QPSK	Low	1 935.00	9.2049
		Middle	1 960.00	9.2218
		High	1 985.00	9.2162
	16QAM	Low	1 935.00	9.1094
		Middle	1 960.00	9.0885
		High	1 985.00	9.1056
	64QAM	Low	1 935.00	9.2406
		Middle	1 960.00	9.2487
		High	1 985.00	9.1517
	256QAM	Low	1 935.00	9.2404
		Middle	1 960.00	9.1705
		High	1 985.00	9.2246

(4 Port) DSS B2 15 MHz 2to8 [1 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 937.50	14.103
		Middle	1 960.00	14.154
		High	1 982.50	14.083
	16QAM	Low	1 937.50	14.140
		Middle	1 960.00	14.089
		High	1 982.50	14.153
	64QAM	Low	1 937.50	14.110
		Middle	1 960.00	14.117
		High	1 982.50	14.123
	256QAM	Low	1 937.50	14.121
		Middle	1 960.00	14.136
		High	1 982.50	14.111
1	QPSK	Low	1 937.50	14.113
		Middle	1 960.00	14.110
		High	1 982.50	14.167
	16QAM	Low	1 937.50	14.133
		Middle	1 960.00	14.144
		High	1 982.50	14.158
	64QAM	Low	1 937.50	14.167
		Middle	1 960.00	14.112
		High	1 982.50	14.082
	256QAM	Low	1 937.50	14.121
		Middle	1 960.00	14.124
		High	1 982.50	14.132

2	QPSK	Low	1 937.50	14.133
		Middle	1 960.00	14.115
		High	1 982.50	14.099
	16QAM	Low	1 937.50	14.134
		Middle	1 960.00	14.148
		High	1 982.50	14.146
	64QAM	Low	1 937.50	14.133
		Middle	1 960.00	14.141
		High	1 982.50	14.105
	256QAM	Low	1 937.50	14.132
		Middle	1 960.00	14.148
		High	1 982.50	14.130
3	QPSK	Low	1 937.50	14.083
		Middle	1 960.00	14.126
		High	1 982.50	14.083
	16QAM	Low	1 937.50	14.143
		Middle	1 960.00	14.138
		High	1 982.50	14.129
	64QAM	Low	1 937.50	14.105
		Middle	1 960.00	14.149
		High	1 982.50	14.123
	256QAM	Low	1 937.50	14.102
		Middle	1 960.00	14.110
		High	1 982.50	14.126

(4 Port) DSS B2 15 MHz 5to5 [1 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 937.50	14.106
		Middle	1 960.00	14.080
		High	1 982.50	14.114
	16QAM	Low	1 937.50	14.048
		Middle	1 960.00	14.124
		High	1 982.50	14.125
	64QAM	Low	1 937.50	14.082
		Middle	1 960.00	14.078
		High	1 982.50	14.095
	256QAM	Low	1 937.50	14.115
		Middle	1 960.00	14.059
		High	1 982.50	14.112
1	QPSK	Low	1 937.50	14.085
		Middle	1 960.00	14.095
		High	1 982.50	14.115
	16QAM	Low	1 937.50	14.093
		Middle	1 960.00	14.141
		High	1 982.50	14.091
	64QAM	Low	1 937.50	14.088
		Middle	1 960.00	14.110
		High	1 982.50	14.135
	256QAM	Low	1 937.50	14.144
		Middle	1 960.00	14.097
		High	1 982.50	14.117

2	QPSK	Low	1 937.50	14.104
		Middle	1 960.00	14.106
		High	1 982.50	14.131
	16QAM	Low	1 937.50	14.119
		Middle	1 960.00	14.103
		High	1 982.50	14.059
	64QAM	Low	1 937.50	14.089
		Middle	1 960.00	14.080
		High	1 982.50	14.097
	256QAM	Low	1 937.50	14.100
		Middle	1 960.00	14.089
		High	1 982.50	14.101
3	QPSK	Low	1 937.50	14.083
		Middle	1 960.00	14.085
		High	1 982.50	14.107
	16QAM	Low	1 937.50	14.127
		Middle	1 960.00	14.130
		High	1 982.50	14.109
	64QAM	Low	1 937.50	14.077
		Middle	1 960.00	14.090
		High	1 982.50	14.120
	256QAM	Low	1 937.50	14.104
		Middle	1 960.00	14.156
		High	1 982.50	14.139

(4 Port) DSS B2 15 MHz 9to1 [1 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 937.50	13.952
		Middle	1 960.00	13.992
		High	1 982.50	14.018
	16QAM	Low	1 937.50	13.996
		Middle	1 960.00	13.958
		High	1 982.50	14.006
	64QAM	Low	1 937.50	14.032
		Middle	1 960.00	13.974
		High	1 982.50	13.974
	256QAM	Low	1 937.50	14.032
		Middle	1 960.00	14.015
		High	1 982.50	13.968
1	QPSK	Low	1 937.50	13.992
		Middle	1 960.00	14.036
		High	1 982.50	14.004
	16QAM	Low	1 937.50	13.938
		Middle	1 960.00	13.924
		High	1 982.50	13.993
	64QAM	Low	1 937.50	14.043
		Middle	1 960.00	14.035
		High	1 982.50	13.972
	256QAM	Low	1 937.50	14.092
		Middle	1 960.00	14.038
		High	1 982.50	13.990

2	QPSK	Low	1 937.50	13.947
		Middle	1 960.00	14.013
		High	1 982.50	13.987
	16QAM	Low	1 937.50	13.941
		Middle	1 960.00	14.034
		High	1 982.50	13.985
	64QAM	Low	1 937.50	13.957
		Middle	1 960.00	14.007
		High	1 982.50	13.987
	256QAM	Low	1 937.50	13.942
		Middle	1 960.00	13.990
		High	1 982.50	13.961
3	QPSK	Low	1 937.50	14.071
		Middle	1 960.00	13.953
		High	1 982.50	13.918
	16QAM	Low	1 937.50	14.021
		Middle	1 960.00	13.953
		High	1 982.50	14.003
	64QAM	Low	1 937.50	14.023
		Middle	1 960.00	13.985
		High	1 982.50	14.076
	256QAM	Low	1 937.50	14.037
		Middle	1 960.00	13.996
		High	1 982.50	14.009

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 940.00	18.922
		Middle	1 960.00	18.933
		High	1 980.00	18.938
	16QAM	Low	1 940.00	18.974
		Middle	1 960.00	18.967
		High	1 980.00	18.948
	64QAM	Low	1 940.00	18.921
		Middle	1 960.00	18.949
		High	1 980.00	18.942
	256QAM	Low	1 940.00	18.955
		Middle	1 960.00	18.952
		High	1 980.00	18.930
1	QPSK	Low	1 940.00	18.925
		Middle	1 960.00	18.925
		High	1 980.00	18.927
	16QAM	Low	1 940.00	18.990
		Middle	1 960.00	18.969
		High	1 980.00	18.942
	64QAM	Low	1 940.00	18.944
		Middle	1 960.00	18.960
		High	1 980.00	18.967
	256QAM	Low	1 940.00	18.925
		Middle	1 960.00	18.972
		High	1 980.00	18.980

2	QPSK	Low	1 940.00	18.945
		Middle	1 960.00	18.923
		High	1 980.00	18.970
	16QAM	Low	1 940.00	18.959
		Middle	1 960.00	18.963
		High	1 980.00	18.991
	64QAM	Low	1 940.00	18.967
		Middle	1 960.00	18.938
		High	1 980.00	18.971
	256QAM	Low	1 940.00	18.930
		Middle	1 960.00	18.951
		High	1 980.00	18.983
3	QPSK	Low	1 940.00	18.952
		Middle	1 960.00	18.933
		High	1 980.00	18.975
	16QAM	Low	1 940.00	18.929
		Middle	1 960.00	18.979
		High	1 980.00	19.000
	64QAM	Low	1 940.00	17.927
		Middle	1 960.00	18.975
		High	1 980.00	18.940
	256QAM	Low	1 940.00	17.846
		Middle	1 960.00	18.913
		High	1 980.00	18.913

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 940.00	18.897
		Middle	1 960.00	18.929
		High	1 980.00	18.965
	16QAM	Low	1 940.00	18.865
		Middle	1 960.00	18.944
		High	1 980.00	18.906
	64QAM	Low	1 940.00	18.910
		Middle	1 960.00	18.919
		High	1 980.00	18.955
	256QAM	Low	1 940.00	18.930
		Middle	1 960.00	18.865
		High	1 980.00	18.959
1	QPSK	Low	1 940.00	18.924
		Middle	1 960.00	18.892
		High	1 980.00	18.904
	16QAM	Low	1 940.00	18.926
		Middle	1 960.00	18.940
		High	1 980.00	18.901
	64QAM	Low	1 940.00	18.841
		Middle	1 960.00	18.915
		High	1 980.00	18.933
	256QAM	Low	1 940.00	18.903
		Middle	1 960.00	18.921
		High	1 980.00	18.928

2	QPSK	Low	1 940.00	18.911
		Middle	1 960.00	18.921
		High	1 980.00	18.947
	16QAM	Low	1 940.00	18.914
		Middle	1 960.00	18.877
		High	1 980.00	18.921
	64QAM	Low	1 940.00	18.920
		Middle	1 960.00	18.935
		High	1 980.00	18.922
	256QAM	Low	1 940.00	18.890
		Middle	1 960.00	18.903
		High	1 980.00	18.939
3	QPSK	Low	1 940.00	18.879
		Middle	1 960.00	18.871
		High	1 980.00	18.942
	16QAM	Low	1 940.00	18.916
		Middle	1 960.00	18.986
		High	1 980.00	18.964
	64QAM	Low	1 940.00	18.899
		Middle	1 960.00	18.924
		High	1 980.00	18.921
	256QAM	Low	1 940.00	18.917
		Middle	1 960.00	18.923
		High	1 980.00	18.927

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 940.00	18.758
		Middle	1 960.00	18.897
		High	1 980.00	18.804
	16QAM	Low	1 940.00	18.703
		Middle	1 960.00	18.751
		High	1 980.00	18.877
	64QAM	Low	1 940.00	18.825
		Middle	1 960.00	18.765
		High	1 980.00	18.767
	256QAM	Low	1 940.00	18.817
		Middle	1 960.00	18.799
		High	1 980.00	18.840
1	QPSK	Low	1 940.00	18.750
		Middle	1 960.00	18.759
		High	1 980.00	18.710
	16QAM	Low	1 940.00	18.740
		Middle	1 960.00	18.846
		High	1 980.00	18.860
	64QAM	Low	1 940.00	18.839
		Middle	1 960.00	18.789
		High	1 980.00	18.744
	256QAM	Low	1 940.00	18.771
		Middle	1 960.00	18.834
		High	1 980.00	18.731

2	QPSK	Low	1 940.00	18.758
		Middle	1 960.00	18.897
		High	1 980.00	18.804
	16QAM	Low	1 940.00	18.703
		Middle	1 960.00	18.751
		High	1 980.00	18.877
	64QAM	Low	1 940.00	18.825
		Middle	1 960.00	18.765
		High	1 980.00	18.767
	256QAM	Low	1 940.00	18.817
		Middle	1 960.00	18.799
		High	1 980.00	18.840
3	QPSK	Low	1 940.00	18.750
		Middle	1 960.00	18.759
		High	1 980.00	18.710
	16QAM	Low	1 940.00	18.740
		Middle	1 960.00	18.846
		High	1 980.00	18.860
	64QAM	Low	1 940.00	18.839
		Middle	1 960.00	18.789
		High	1 980.00	18.744
	256QAM	Low	1 940.00	18.771
		Middle	1 960.00	18.834
		High	1 980.00	18.731

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 112.50	4.4711
		Middle	2 145.00	4.4757
		High	2 177.50	4.4670
	16QAM	Low	2 112.50	4.4846
		Middle	2 145.00	4.5065
		High	2 177.50	4.4961
	64QAM	Low	2 112.50	4.4635
		Middle	2 145.00	4.4791
		High	2 177.50	4.4851
	256QAM	Low	2 112.50	4.4660
		Middle	2 145.00	4.4950
		High	2 177.50	4.4807
1	QPSK	Low	2 112.50	4.4683
		Middle	2 145.00	4.4768
		High	2 177.50	4.4691
	16QAM	Low	2 112.50	4.4829
		Middle	2 145.00	4.4893
		High	2 177.50	4.4947
	64QAM	Low	2 112.50	4.4713
		Middle	2 145.00	4.4725
		High	2 177.50	4.4847
	256QAM	Low	2 112.50	4.4749
		Middle	2 145.00	4.4742
		High	2 177.50	4.4826

2	QPSK	Low	2 112.50	4.4642
		Middle	2 145.00	4.4754
		High	2 177.50	4.4784
	16QAM	Low	2 112.50	4.4830
		Middle	2 145.00	4.4920
		High	2 177.50	4.4916
	64QAM	Low	2 112.50	4.4673
		Middle	2 145.00	4.4770
		High	2 177.50	4.4760
	256QAM	Low	2 112.50	4.4853
		Middle	2 145.00	4.4776
		High	2 177.50	4.4929
3	QPSK	Low	2 112.50	4.4629
		Middle	2 145.00	4.4759
		High	2 177.50	4.4738
	16QAM	Low	2 112.50	4.4816
		Middle	2 145.00	4.4951
		High	2 177.50	4.4911
	64QAM	Low	2 112.50	4.4719
		Middle	2 145.00	4.4834
		High	2 177.50	4.4804
	256QAM	Low	2 112.50	4.4643
		Middle	2 145.00	4.4812
		High	2 177.50	4.4781

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 115.00	9.2635
		Middle	2 145.00	9.3133
		High	2 175.00	9.3281
	16QAM	Low	2 115.00	9.2108
		Middle	2 145.00	9.2339
		High	2 175.00	9.2576
	64QAM	Low	2 115.00	9.2880
		Middle	2 145.00	9.3059
		High	2 175.00	9.2992
	256QAM	Low	2 115.00	9.2718
		Middle	2 145.00	9.2865
		High	2 175.00	9.3156
1	QPSK	Low	2 115.00	9.3056
		Middle	2 145.00	9.3083
		High	2 175.00	9.2903
	16QAM	Low	2 115.00	9.2296
		Middle	2 145.00	9.2189
		High	2 175.00	9.2454
	64QAM	Low	2 115.00	9.2775
		Middle	2 145.00	9.3206
		High	2 175.00	9.3188
	256QAM	Low	2 115.00	9.3101
		Middle	2 145.00	9.2955
		High	2 175.00	9.3101

2	QPSK	Low	2 115.00	9.2881
		Middle	2 145.00	9.3110
		High	2 175.00	9.3060
	16QAM	Low	2 115.00	9.2205
		Middle	2 145.00	9.2664
		High	2 175.00	9.2358
	64QAM	Low	2 115.00	9.2785
		Middle	2 145.00	9.3377
		High	2 175.00	9.2955
	256QAM	Low	2 115.00	9.2851
		Middle	2 145.00	9.2898
		High	2 175.00	9.2944
3	QPSK	Low	2 115.00	9.2805
		Middle	2 145.00	9.3104
		High	2 175.00	9.3262
	16QAM	Low	2 115.00	9.2189
		Middle	2 145.00	9.2395
		High	2 175.00	9.2233
	64QAM	Low	2 115.00	9.2736
		Middle	2 145.00	9.3144
		High	2 175.00	9.3293
	256QAM	Low	2 115.00	9.2801
		Middle	2 145.00	9.3050
		High	2 175.00	9.3034

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 117.50	14.100
		Middle	2 145.00	14.134
		High	2 172.50	14.150
	16QAM	Low	2 117.50	14.176
		Middle	2 145.00	14.185
		High	2 172.50	14.201
	64QAM	Low	2 117.50	14.077
		Middle	2 145.00	14.150
		High	2 172.50	14.118
	256QAM	Low	2 117.50	14.094
		Middle	2 145.00	14.146
		High	2 172.50	14.162
1	QPSK	Low	2 117.50	14.101
		Middle	2 145.00	14.146
		High	2 172.50	14.144
	16QAM	Low	2 117.50	14.157
		Middle	2 145.00	14.187
		High	2 172.50	14.205
	64QAM	Low	2 117.50	14.085
		Middle	2 145.00	14.128
		High	2 172.50	14.127
	256QAM	Low	2 117.50	14.098
		Middle	2 145.00	14.110
		High	2 172.50	14.111

2	QPSK	Low	2 117.50	14.117
		Middle	2 145.00	14.144
		High	2 172.50	14.136
	16QAM	Low	2 117.50	14.171
		Middle	2 145.00	14.174
		High	2 172.50	14.183
	64QAM	Low	2 117.50	14.107
		Middle	2 145.00	14.152
		High	2 172.50	14.114
	256QAM	Low	2 117.50	14.091
		Middle	2 145.00	14.119
		High	2 172.50	14.150
3	QPSK	Low	2 117.50	14.097
		Middle	2 145.00	14.158
		High	2 172.50	14.128
	16QAM	Low	2 117.50	14.148
		Middle	2 145.00	14.224
		High	2 172.50	14.202
	64QAM	Low	2 117.50	14.140
		Middle	2 145.00	14.128
		High	2 172.50	14.127
	256QAM	Low	2 117.50	14.116
		Middle	2 145.00	14.142
		High	2 172.50	14.147

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 120.00	18.934
		Middle	2 145.00	18.937
		High	2 170.00	18.946
	16QAM	Low	2 120.00	18.967
		Middle	2 145.00	19.019
		High	2 170.00	19.015
	64QAM	Low	2 120.00	18.865
		Middle	2 145.00	18.933
		High	2 170.00	18.929
	256QAM	Low	2 120.00	18.926
		Middle	2 145.00	18.918
		High	2 170.00	18.972
1	QPSK	Low	2 120.00	18.943
		Middle	2 145.00	18.962
		High	2 170.00	18.940
	16QAM	Low	2 120.00	18.984
		Middle	2 145.00	19.025
		High	2 170.00	19.044
	64QAM	Low	2 120.00	18.912
		Middle	2 145.00	18.934
		High	2 170.00	18.950
	256QAM	Low	2 120.00	18.947
		Middle	2 145.00	18.926
		High	2 170.00	18.957

2	QPSK	Low	2 120.00	18.948
		Middle	2 145.00	18.966
		High	2 170.00	18.972
	16QAM	Low	2 120.00	18.971
		Middle	2 145.00	19.035
		High	2 170.00	19.034
	64QAM	Low	2 120.00	18.902
		Middle	2 145.00	18.964
		High	2 170.00	18.951
	256QAM	Low	2 120.00	18.956
		Middle	2 145.00	18.965
		High	2 170.00	18.971
3	QPSK	Low	2 120.00	18.936
		Middle	2 145.00	18.954
		High	2 170.00	18.995
	16QAM	Low	2 120.00	18.973
		Middle	2 145.00	19.027
		High	2 170.00	19.051
	64QAM	Low	2 120.00	18.884
		Middle	2 145.00	18.979
		High	2 170.00	18.966
	256QAM	Low	2 120.00	18.906
		Middle	2 145.00	19.002
		High	2 170.00	18.953

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 115.00	9.2683
		Middle	2 145.00	9.2912
		High	2 175.00	9.3185
	16QAM	Low	2 115.00	9.1724
		Middle	2 145.00	9.2056
		High	2 175.00	9.2184
	64QAM	Low	2 115.00	9.2666
		Middle	2 145.00	9.3080
		High	2 175.00	9.2900
	256QAM	Low	2 115.00	9.2855
		Middle	2 145.00	9.3033
		High	2 175.00	9.3143
1	QPSK	Low	2 115.00	9.2952
		Middle	2 145.00	9.2957
		High	2 175.00	9.3032
	16QAM	Low	2 115.00	9.2011
		Middle	2 145.00	9.2072
		High	2 175.00	9.2260
	64QAM	Low	2 115.00	9.2872
		Middle	2 145.00	9.3185
		High	2 175.00	9.2952
	256QAM	Low	2 115.00	9.2974
		Middle	2 145.00	9.2990
		High	2 175.00	9.2962

2	QPSK	Low	2 115.00	9.2945
		Middle	2 145.00	9.2951
		High	2 175.00	9.2687
	16QAM	Low	2 115.00	9.2208
		Middle	2 145.00	9.2311
		High	2 175.00	9.2191
	64QAM	Low	2 115.00	9.2653
		Middle	2 145.00	9.2943
		High	2 175.00	9.2789
	256QAM	Low	2 115.00	9.2758
		Middle	2 145.00	9.3390
		High	2 175.00	9.2690
3	QPSK	Low	2 115.00	9.2677
		Middle	2 145.00	9.2919
		High	2 175.00	9.3015
	16QAM	Low	2 115.00	9.2100
		Middle	2 145.00	9.1833
		High	2 175.00	9.2141
	64QAM	Low	2 115.00	9.2798
		Middle	2 145.00	9.3061
		High	2 175.00	9.2991
	256QAM	Low	2 115.00	9.2689
		Middle	2 145.00	9.2918
		High	2 175.00	9.2881

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 115.00	9.2409
		Middle	2 145.00	9.2854
		High	2 175.00	9.2666
	16QAM	Low	2 115.00	9.1910
		Middle	2 145.00	9.1832
		High	2 175.00	9.1962
	64QAM	Low	2 115.00	9.2358
		Middle	2 145.00	9.2856
		High	2 175.00	9.2894
	256QAM	Low	2 115.00	9.2388
		Middle	2 145.00	9.2900
		High	2 175.00	9.3033
1	QPSK	Low	2 115.00	9.2777
		Middle	2 145.00	9.2878
		High	2 175.00	9.2792
	16QAM	Low	2 115.00	9.1473
		Middle	2 145.00	9.2176
		High	2 175.00	9.1806
	64QAM	Low	2 115.00	9.2534
		Middle	2 145.00	9.2874
		High	2 175.00	9.3046
	256QAM	Low	2 115.00	9.2616
		Middle	2 145.00	9.2997
		High	2 175.00	9.2817

2	QPSK	Low	2 115.00	9.2468
		Middle	2 145.00	9.2844
		High	2 175.00	9.2842
	16QAM	Low	2 115.00	9.1511
		Middle	2 145.00	9.1822
		High	2 175.00	9.1625
	64QAM	Low	2 115.00	9.2498
		Middle	2 145.00	9.3076
		High	2 175.00	9.2638
	256QAM	Low	2 115.00	9.2469
		Middle	2 145.00	9.3137
		High	2 175.00	9.2806
3	QPSK	Low	2 115.00	9.2318
		Middle	2 145.00	9.2793
		High	2 175.00	9.3019
	16QAM	Low	2 115.00	9.1726
		Middle	2 145.00	9.1991
		High	2 175.00	9.1735
	64QAM	Low	2 115.00	9.2347
		Middle	2 145.00	9.3066
		High	2 175.00	9.2739
	256QAM	Low	2 115.00	9.2223
		Middle	2 145.00	9.2960
		High	2 175.00	9.2862

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 115.00	9.1379
		Middle	2 145.00	9.1855
		High	2 175.00	9.2121
	16QAM	Low	2 115.00	9.0316
		Middle	2 145.00	9.1119
		High	2 175.00	9.1028
	64QAM	Low	2 115.00	9.1535
		Middle	2 145.00	9.1406
		High	2 175.00	9.1647
	256QAM	Low	2 115.00	9.1588
		Middle	2 145.00	9.1702
		High	2 175.00	9.2553
1	QPSK	Low	2 115.00	9.2059
		Middle	2 145.00	9.2148
		High	2 175.00	9.1803
	16QAM	Low	2 115.00	9.0090
		Middle	2 145.00	9.0912
		High	2 175.00	9.1229
	64QAM	Low	2 115.00	9.2297
		Middle	2 145.00	9.2939
		High	2 175.00	9.2160
	256QAM	Low	2 115.00	9.1843
		Middle	2 145.00	9.1792
		High	2 175.00	9.2623

2	QPSK	Low	2 115.00	9.1872
		Middle	2 145.00	9.1734
		High	2 175.00	9.1732
	16QAM	Low	2 115.00	9.0274
		Middle	2 145.00	9.0851
		High	2 175.00	9.1087
	64QAM	Low	2 115.00	9.1351
		Middle	2 145.00	9.2226
		High	2 175.00	9.2276
	256QAM	Low	2 115.00	9.1209
		Middle	2 145.00	9.2655
		High	2 175.00	9.1968
3	QPSK	Low	2 115.00	9.1766
		Middle	2 145.00	9.1539
		High	2 175.00	9.2186
	16QAM	Low	2 115.00	9.0621
		Middle	2 145.00	9.0878
		High	2 175.00	9.1115
	64QAM	Low	2 115.00	9.1960
		Middle	2 145.00	9.2173
		High	2 175.00	9.2035
	256QAM	Low	2 115.00	9.1396
		Middle	2 145.00	9.2180
		High	2 175.00	9.2080

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 117.50	14.100
		Middle	2 145.00	14.095
		High	2 172.50	14.123
	16QAM	Low	2 117.50	14.110
		Middle	2 145.00	14.154
		High	2 172.50	14.142
	64QAM	Low	2 117.50	14.107
		Middle	2 145.00	14.151
		High	2 172.50	14.127
	256QAM	Low	2 117.50	14.112
		Middle	2 145.00	14.116
		High	2 172.50	14.130
1	QPSK	Low	2 117.50	14.100
		Middle	2 145.00	14.129
		High	2 172.50	14.120
	16QAM	Low	2 117.50	14.130
		Middle	2 145.00	14.137
		High	2 172.50	14.116
	64QAM	Low	2 117.50	14.125
		Middle	2 145.00	14.147
		High	2 172.50	14.151
	256QAM	Low	2 117.50	14.112
		Middle	2 145.00	14.133
		High	2 172.50	14.155

2	QPSK	Low	2 117.50	14.089
		Middle	2 145.00	14.110
		High	2 172.50	14.155
	16QAM	Low	2 117.50	14.135
		Middle	2 145.00	14.214
		High	2 172.50	14.154
	64QAM	Low	2 117.50	14.111
		Middle	2 145.00	14.151
		High	2 172.50	14.150
	256QAM	Low	2 117.50	14.102
		Middle	2 145.00	14.157
		High	2 172.50	14.110
3	QPSK	Low	2 117.50	14.096
		Middle	2 145.00	14.150
		High	2 172.50	14.126
	16QAM	Low	2 117.50	14.093
		Middle	2 145.00	14.113
		High	2 172.50	14.125
	64QAM	Low	2 117.50	14.107
		Middle	2 145.00	14.103
		High	2 172.50	14.146
	256QAM	Low	2 117.50	14.053
		Middle	2 145.00	14.153
		High	2 172.50	14.083

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 117.50	14.040
		Middle	2 145.00	14.079
		High	2 172.50	14.145
	16QAM	Low	2 117.50	14.038
		Middle	2 145.00	14.086
		High	2 172.50	14.111
	64QAM	Low	2 117.50	14.125
		Middle	2 145.00	14.084
		High	2 172.50	14.136
	256QAM	Low	2 117.50	14.105
		Middle	2 145.00	14.108
		High	2 172.50	14.139
1	QPSK	Low	2 117.50	14.064
		Middle	2 145.00	14.085
		High	2 172.50	14.127
	16QAM	Low	2 117.50	14.097
		Middle	2 145.00	14.102
		High	2 172.50	14.148
	64QAM	Low	2 117.50	14.061
		Middle	2 145.00	14.120
		High	2 172.50	14.130
	256QAM	Low	2 117.50	14.037
		Middle	2 145.00	14.104
		High	2 172.50	14.062

2	QPSK	Low	2 117.50	14.084
		Middle	2 145.00	14.101
		High	2 172.50	14.105
	16QAM	Low	2 117.50	14.055
		Middle	2 145.00	14.092
		High	2 172.50	14.153
	64QAM	Low	2 117.50	14.061
		Middle	2 145.00	14.096
		High	2 172.50	14.157
	256QAM	Low	2 117.50	14.132
		Middle	2 145.00	14.110
		High	2 172.50	14.088
3	QPSK	Low	2 117.50	14.071
		Middle	2 145.00	14.118
		High	2 172.50	14.084
	16QAM	Low	2 117.50	14.038
		Middle	2 145.00	14.127
		High	2 172.50	14.089
	64QAM	Low	2 117.50	14.044
		Middle	2 145.00	14.169
		High	2 172.50	14.099
	256QAM	Low	2 117.50	14.050
		Middle	2 145.00	14.116
		High	2 172.50	14.105

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 117.50	13.929
		Middle	2 145.00	13.963
		High	2 172.50	13.959
	16QAM	Low	2 117.50	13.986
		Middle	2 145.00	14.025
		High	2 172.50	14.000
	64QAM	Low	2 117.50	13.904
		Middle	2 145.00	13.959
		High	2 172.50	14.052
	256QAM	Low	2 117.50	13.900
		Middle	2 145.00	13.935
		High	2 172.50	14.065
1	QPSK	Low	2 117.50	13.924
		Middle	2 145.00	13.989
		High	2 172.50	13.933
	16QAM	Low	2 117.50	13.948
		Middle	2 145.00	13.941
		High	2 172.50	13.994
	64QAM	Low	2 117.50	13.990
		Middle	2 145.00	13.989
		High	2 172.50	13.930
	256QAM	Low	2 117.50	13.929
		Middle	2 145.00	13.978
		High	2 172.50	13.912

2	QPSK	Low	2 117.50	13.995
		Middle	2 145.00	13.949
		High	2 172.50	14.018
	16QAM	Low	2 117.50	13.955
		Middle	2 145.00	13.950
		High	2 172.50	14.033
	64QAM	Low	2 117.50	13.962
		Middle	2 145.00	14.044
		High	2 172.50	13.928
	256QAM	Low	2 117.50	13.983
		Middle	2 145.00	13.988
		High	2 172.50	13.993
3	QPSK	Low	2 117.50	13.960
		Middle	2 145.00	14.029
		High	2 172.50	13.994
	16QAM	Low	2 117.50	13.847
		Middle	2 145.00	14.017
		High	2 172.50	13.942
	64QAM	Low	2 117.50	13.918
		Middle	2 145.00	14.018
		High	2 172.50	14.047
	256QAM	Low	2 117.50	13.838
		Middle	2 145.00	14.043
		High	2 172.50	13.980

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 120.00	18.912
		Middle	2 145.00	18.912
		High	2 170.00	18.900
	16QAM	Low	2 120.00	18.938
		Middle	2 145.00	18.943
		High	2 170.00	18.993
	64QAM	Low	2 120.00	18.894
		Middle	2 145.00	18.930
		High	2 170.00	18.908
	256QAM	Low	2 120.00	18.944
		Middle	2 145.00	18.937
		High	2 170.00	19.001
1	QPSK	Low	2 120.00	18.929
		Middle	2 145.00	18.933
		High	2 170.00	18.967
	16QAM	Low	2 120.00	18.897
		Middle	2 145.00	18.970
		High	2 170.00	18.948
	64QAM	Low	2 120.00	18.946
		Middle	2 145.00	18.954
		High	2 170.00	18.933
	256QAM	Low	2 120.00	18.865
		Middle	2 145.00	18.972
		High	2 170.00	19.005

2	QPSK	Low	2 120.00	18.926
		Middle	2 145.00	18.931
		High	2 170.00	18.965
	16QAM	Low	2 120.00	18.917
		Middle	2 145.00	18.990
		High	2 170.00	18.978
	64QAM	Low	2 120.00	18.907
		Middle	2 145.00	18.958
		High	2 170.00	18.966
	256QAM	Low	2 120.00	18.928
		Middle	2 145.00	18.936
		High	2 170.00	18.930
3	QPSK	Low	2 120.00	18.934
		Middle	2 145.00	18.920
		High	2 170.00	18.932
	16QAM	Low	2 120.00	18.915
		Middle	2 145.00	18.956
		High	2 170.00	18.989
	64QAM	Low	2 120.00	18.879
		Middle	2 145.00	18.945
		High	2 170.00	18.950
	256QAM	Low	2 120.00	18.905
		Middle	2 145.00	18.980
		High	2 170.00	18.945

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 120.00	18.839
		Middle	2 145.00	18.894
		High	2 170.00	18.941
	16QAM	Low	2 120.00	18.887
		Middle	2 145.00	18.914
		High	2 170.00	18.926
	64QAM	Low	2 120.00	18.890
		Middle	2 145.00	18.930
		High	2 170.00	18.880
	256QAM	Low	2 120.00	18.865
		Middle	2 145.00	18.937
		High	2 170.00	18.852
1	QPSK	Low	2 120.00	18.871
		Middle	2 145.00	18.924
		High	2 170.00	18.929
	16QAM	Low	2 120.00	18.880
		Middle	2 145.00	18.958
		High	2 170.00	18.909
	64QAM	Low	2 120.00	18.886
		Middle	2 145.00	18.887
		High	2 170.00	18.927
	256QAM	Low	2 120.00	18.904
		Middle	2 145.00	18.942
		High	2 170.00	18.881

2	QPSK	Low	2 120.00	18.916
		Middle	2 145.00	18.929
		High	2 170.00	18.885
	16QAM	Low	2 120.00	18.888
		Middle	2 145.00	18.908
		High	2 170.00	18.943
	64QAM	Low	2 120.00	18.884
		Middle	2 145.00	18.942
		High	2 170.00	18.887
	256QAM	Low	2 120.00	18.815
		Middle	2 145.00	18.906
		High	2 170.00	18.870
3	QPSK	Low	2 120.00	18.852
		Middle	2 145.00	18.898
		High	2 170.00	18.927
	16QAM	Low	2 120.00	18.858
		Middle	2 145.00	18.967
		High	2 170.00	18.886
	64QAM	Low	2 120.00	18.803
		Middle	2 145.00	18.943
		High	2 170.00	18.933
	256QAM	Low	2 120.00	18.869
		Middle	2 145.00	18.921
		High	2 170.00	18.891

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 120.00	18.690
		Middle	2 145.00	18.780
		High	2 170.00	18.742
	16QAM	Low	2 120.00	18.759
		Middle	2 145.00	18.796
		High	2 170.00	18.781
	64QAM	Low	2 120.00	18.744
		Middle	2 145.00	18.788
		High	2 170.00	18.806
	256QAM	Low	2 120.00	18.666
		Middle	2 145.00	18.722
		High	2 170.00	18.719
1	QPSK	Low	2 120.00	18.667
		Middle	2 145.00	18.822
		High	2 170.00	18.716
	16QAM	Low	2 120.00	18.715
		Middle	2 145.00	18.730
		High	2 170.00	18.831
	64QAM	Low	2 120.00	18.772
		Middle	2 145.00	18.792
		High	2 170.00	18.701
	256QAM	Low	2 120.00	18.550
		Middle	2 145.00	18.749
		High	2 170.00	18.758

2	QPSK	Low	2 120.00	18.776
		Middle	2 145.00	18.781
		High	2 170.00	18.827
	16QAM	Low	2 120.00	18.753
		Middle	2 145.00	18.739
		High	2 170.00	18.816
	64QAM	Low	2 120.00	18.809
		Middle	2 145.00	18.825
		High	2 170.00	18.727
	256QAM	Low	2 120.00	18.764
		Middle	2 145.00	18.826
		High	2 170.00	18.794
3	QPSK	Low	2 120.00	18.769
		Middle	2 145.00	18.771
		High	2 170.00	18.791
	16QAM	Low	2 120.00	18.641
		Middle	2 145.00	18.708
		High	2 170.00	18.828
	64QAM	Low	2 120.00	18.756
		Middle	2 145.00	18.761
		High	2 170.00	18.809
	256QAM	Low	2 120.00	18.658
		Middle	2 145.00	18.731
		High	2 170.00	18.720

Tabular Data of Contiguous Occupied Bandwidth

(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	19.067
		Middle	1 960.00	19.116
		High	1 980.00	19.130
	16QAM	Low	1 940.00	18.937
		Middle	1 960.00	18.967
		High	1 980.00	19.007
	64QAM	Low	1 940.00	19.031
		Middle	1 960.00	19.111
		High	1 980.00	19.012
	256QAM	Low	1 940.00	19.101
		Middle	1 960.00	19.119
		High	1 980.00	19.108
1	QPSK	Low	1 940.00	19.024
		Middle	1 960.00	19.138
		High	1 980.00	19.075
	16QAM	Low	1 940.00	18.937
		Middle	1 960.00	18.979
		High	1 980.00	18.939
	64QAM	Low	1 940.00	19.071
		Middle	1 960.00	19.127
		High	1 980.00	19.096
	256QAM	Low	1 940.00	19.202
		Middle	1 960.00	19.084
		High	1 980.00	19.071

2	QPSK	Low	1 940.00	19.119
		Middle	1 960.00	19.160
		High	1 980.00	19.067
	16QAM	Low	1 940.00	18.971
		Middle	1 960.00	18.985
		High	1 980.00	19.008
	64QAM	Low	1 940.00	19.121
		Middle	1 960.00	19.068
		High	1 980.00	19.035
	256QAM	Low	1 940.00	19.025
		Middle	1 960.00	19.028
		High	1 980.00	19.143
3	QPSK	Low	1 940.00	19.063
		Middle	1 960.00	19.081
		High	1 980.00	19.038
	16QAM	Low	1 940.00	19.005
		Middle	1 960.00	19.062
		High	1 980.00	19.030
	64QAM	Low	1 940.00	19.134
		Middle	1 960.00	19.077
		High	1 980.00	19.084
	256QAM	Low	1 940.00	19.131
		Middle	1 960.00	19.030
		High	1 980.00	19.047

(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	14.417
		Middle	1 960.00	14.415
		High	1 982.50	14.417
	16QAM	Low	1 937.50	14.453
		Middle	1 960.00	14.490
		High	1 982.50	14.499
	64QAM	Low	1 937.50	14.447
		Middle	1 960.00	14.414
		High	1 982.50	14.391
	256QAM	Low	1 937.50	14.420
		Middle	1 960.00	14.420
		High	1 982.50	14.415
1	QPSK	Low	1 937.50	14.395
		Middle	1 960.00	14.434
		High	1 982.50	14.447
	16QAM	Low	1 937.50	14.479
		Middle	1 960.00	14.449
		High	1 982.50	14.477
	64QAM	Low	1 937.50	14.380
		Middle	1 960.00	14.426
		High	1 982.50	14.438
	256QAM	Low	1 937.50	14.451
		Middle	1 960.00	14.426
		High	1 982.50	14.389

2	QPSK	Low	1 937.50	14.414
		Middle	1 960.00	14.414
		High	1 982.50	14.441
	16QAM	Low	1 937.50	14.462
		Middle	1 960.00	14.470
		High	1 982.50	14.465
	64QAM	Low	1 937.50	14.412
		Middle	1 960.00	14.426
		High	1 982.50	14.425
	256QAM	Low	1 937.50	14.421
		Middle	1 960.00	14.420
		High	1 982.50	14.457
3	QPSK	Low	1 937.50	14.446
		Middle	1 960.00	14.443
		High	1 982.50	14.418
	16QAM	Low	1 937.50	14.462
		Middle	1 960.00	14.480
		High	1 982.50	14.482
	64QAM	Low	1 937.50	14.425
		Middle	1 960.00	14.427
		High	1 982.50	14.424
	256QAM	Low	1 937.50	14.451
		Middle	1 960.00	14.465
		High	1 982.50	14.414

(4 Port) 5G NR n2 20 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	1 945.00	29.104
		Middle	1 960.00	29.161
		High	1 975.00	29.087
	16QAM	Low	1 945.00	29.242
		Middle	1 960.00	29.203
		High	1 975.00	29.203
	64QAM	Low	1 945.00	29.053
		Middle	1 960.00	29.136
		High	1 975.00	29.141
	256QAM	Low	1 945.00	29.145
		Middle	1 960.00	29.128
		High	1 975.00	29.132
1	QPSK	Low	1 945.00	29.116
		Middle	1 960.00	29.130
		High	1 975.00	29.113
	16QAM	Low	1 945.00	29.159
		Middle	1 960.00	29.161
		High	1 975.00	29.131
	64QAM	Low	1 945.00	29.117
		Middle	1 960.00	29.141
		High	1 975.00	29.114
	256QAM	Low	1 945.00	29.045
		Middle	1 960.00	29.179
		High	1 975.00	29.178

2	QPSK	Low	1 945.00	29.131
		Middle	1 960.00	29.110
		High	1 975.00	29.098
	16QAM	Low	1 945.00	29.230
		Middle	1 960.00	29.231
		High	1 975.00	29.197
	64QAM	Low	1 945.00	29.137
		Middle	1 960.00	29.185
		High	1 975.00	29.139
	256QAM	Low	1 945.00	29.093
		Middle	1 960.00	29.172
		High	1 975.00	29.199
3	QPSK	Low	1 945.00	29.119
		Middle	1 960.00	29.123
		High	1 975.00	29.115
	16QAM	Low	1 945.00	29.228
		Middle	1 960.00	29.261
		High	1 975.00	29.205
	64QAM	Low	1 945.00	29.181
		Middle	1 960.00	29.079
		High	1 975.00	29.078
	256QAM	Low	1 945.00	29.109
		Middle	1 960.00	29.138
		High	1 975.00	29.173

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 937.50	14.437
		Middle	1 960.00	14.429
		High	1 982.50	14.413
	16QAM	Low	1 937.50	14.364
		Middle	1 960.00	14.400
		High	1 982.50	14.451
	64QAM	Low	1 937.50	14.429
		Middle	1 960.00	14.420
		High	1 982.50	14.434
	256QAM	Low	1 937.50	14.438
		Middle	1 960.00	14.438
		High	1 982.50	14.450
1	QPSK	Low	1 937.50	14.473
		Middle	1 960.00	14.449
		High	1 982.50	14.433
	16QAM	Low	1 937.50	14.442
		Middle	1 960.00	14.391
		High	1 982.50	14.511
	64QAM	Low	1 937.50	14.444
		Middle	1 960.00	14.410
		High	1 982.50	14.456
	256QAM	Low	1 937.50	14.427
		Middle	1 960.00	14.451
		High	1 982.50	14.422

2	QPSK	Low	1 937.50	14.413
		Middle	1 960.00	14.440
		High	1 982.50	14.434
	16QAM	Low	1 937.50	14.401
		Middle	1 960.00	14.399
		High	1 982.50	14.486
	64QAM	Low	1 937.50	14.425
		Middle	1 960.00	14.412
		High	1 982.50	14.424
	256QAM	Low	1 937.50	14.387
		Middle	1 960.00	14.419
		High	1 982.50	14.425
3	QPSK	Low	1 937.50	14.388
		Middle	1 960.00	14.411
		High	1 982.50	14.429
	16QAM	Low	1 937.50	14.433
		Middle	1 960.00	14.435
		High	1 982.50	14.475
	64QAM	Low	1 937.50	14.441
		Middle	1 960.00	14.430
		High	1 982.50	14.419
	256QAM	Low	1 937.50	14.413
		Middle	1 960.00	14.453
		High	1 982.50	14.411

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 945.00	29.105
		Middle	1 960.00	29.244
		High	1 975.00	29.118
	16QAM	Low	1 945.00	29.221
		Middle	1 960.00	29.197
		High	1 975.00	29.111
	64QAM	Low	1 945.00	29.201
		Middle	1 960.00	29.151
		High	1 975.00	29.152
	256QAM	Low	1 945.00	29.091
		Middle	1 960.00	29.142
		High	1 975.00	29.173
1	QPSK	Low	1 945.00	29.115
		Middle	1 960.00	29.171
		High	1 975.00	29.173
	16QAM	Low	1 945.00	29.226
		Middle	1 960.00	29.209
		High	1 975.00	29.153
	64QAM	Low	1 945.00	29.164
		Middle	1 960.00	29.116
		High	1 975.00	29.164
	256QAM	Low	1 945.00	29.092
		Middle	1 960.00	29.100
		High	1 975.00	29.138

2	QPSK	Low	1 945.00	29.063
		Middle	1 960.00	29.144
		High	1 975.00	29.142
	16QAM	Low	1 945.00	29.182
		Middle	1 960.00	29.266
		High	1 975.00	29.199
	64QAM	Low	1 945.00	29.130
		Middle	1 960.00	29.181
		High	1 975.00	29.105
	256QAM	Low	1 945.00	29.093
		Middle	1 960.00	29.101
		High	1 975.00	29.193
3	QPSK	Low	1 945.00	29.148
		Middle	1 960.00	29.176
		High	1 975.00	29.146
	16QAM	Low	1 945.00	29.186
		Middle	1 960.00	29.250
		High	1 975.00	29.130
	64QAM	Low	1 945.00	29.055
		Middle	1 960.00	29.189
		High	1 975.00	29.148
	256QAM	Low	1 945.00	29.091
		Middle	1 960.00	29.193
		High	1 975.00	29.225

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 940.00	19.162
		Middle	1 960.00	19.227
		High	1 980.00	19.234
	16QAM	Low	1 940.00	19.234
		Middle	1 960.00	19.148
		High	1 980.00	19.250
	64QAM	Low	1 940.00	19.238
		Middle	1 960.00	19.242
		High	1 980.00	19.248
	256QAM	Low	1 940.00	19.252
		Middle	1 960.00	19.213
		High	1 980.00	19.229
1	QPSK	Low	1 940.00	19.232
		Middle	1 960.00	19.244
		High	1 980.00	19.214
	16QAM	Low	1 940.00	19.171
		Middle	1 960.00	19.151
		High	1 980.00	19.156
	64QAM	Low	1 940.00	19.188
		Middle	1 960.00	19.207
		High	1 980.00	19.278
	256QAM	Low	1 940.00	19.209
		Middle	1 960.00	19.217
		High	1 980.00	19.246

2	QPSK	Low	1 940.00	19.266
		Middle	1 960.00	19.246
		High	1 980.00	19.186
	16QAM	Low	1 940.00	19.130
		Middle	1 960.00	19.162
		High	1 980.00	19.199
	64QAM	Low	1 940.00	19.265
		Middle	1 960.00	19.190
		High	1 980.00	19.280
	256QAM	Low	1 940.00	19.226
		Middle	1 960.00	19.266
		High	1 980.00	19.279
3	QPSK	Low	1 940.00	19.214
		Middle	1 960.00	19.295
		High	1 980.00	19.242
	16QAM	Low	1 940.00	19.185
		Middle	1 960.00	19.130
		High	1 980.00	19.175
	64QAM	Low	1 940.00	19.213
		Middle	1 960.00	19.238
		High	1 980.00	19.274
	256QAM	Low	1 940.00	19.171
		Middle	1 960.00	19.237
		High	1 980.00	19.326

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 945.00	28.964
		Middle	1 960.00	29.015
		High	1 975.00	29.041
	16QAM	Low	1 945.00	28.965
		Middle	1 960.00	28.991
		High	1 975.00	28.790
	64QAM	Low	1 945.00	29.026
		Middle	1 960.00	29.054
		High	1 975.00	28.891
	256QAM	Low	1 945.00	28.994
		Middle	1 960.00	29.061
		High	1 975.00	28.920
1	QPSK	Low	1 945.00	28.955
		Middle	1 960.00	28.949
		High	1 975.00	28.976
	16QAM	Low	1 945.00	29.071
		Middle	1 960.00	29.218
		High	1 975.00	28.916
	64QAM	Low	1 945.00	29.030
		Middle	1 960.00	29.006
		High	1 975.00	28.981
	256QAM	Low	1 945.00	29.041
		Middle	1 960.00	28.993
		High	1 975.00	29.034

2	QPSK	Low	1 945.00	29.002
		Middle	1 960.00	29.091
		High	1 975.00	29.036
	16QAM	Low	1 945.00	28.998
		Middle	1 960.00	29.006
		High	1 975.00	28.931
	64QAM	Low	1 945.00	29.012
		Middle	1 960.00	29.122
		High	1 975.00	28.955
	256QAM	Low	1 945.00	28.943
		Middle	1 960.00	28.994
		High	1 975.00	29.007
3	QPSK	Low	1 945.00	29.071
		Middle	1 960.00	29.012
		High	1 975.00	28.985
	16QAM	Low	1 945.00	28.922
		Middle	1 960.00	29.068
		High	1 975.00	28.947
	64QAM	Low	1 945.00	29.065
		Middle	1 960.00	28.891
		High	1 975.00	28.937
	256QAM	Low	1 945.00	28.970
		Middle	1 960.00	29.090
		High	1 975.00	29.015

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 940.00	19.249
		Middle	1 960.00	19.251
		High	1 980.00	19.281
	16QAM	Low	1 940.00	19.161
		Middle	1 960.00	19.188
		High	1 980.00	19.335
	64QAM	Low	1 940.00	19.252
		Middle	1 960.00	19.185
		High	1 980.00	19.225
	256QAM	Low	1 940.00	19.200
		Middle	1 960.00	19.269
		High	1 980.00	19.210
1	QPSK	Low	1 940.00	19.193
		Middle	1 960.00	19.165
		High	1 980.00	19.234
	16QAM	Low	1 940.00	19.158
		Middle	1 960.00	19.136
		High	1 980.00	19.312
	64QAM	Low	1 940.00	19.168
		Middle	1 960.00	19.223
		High	1 980.00	19.230
	256QAM	Low	1 940.00	19.254
		Middle	1 960.00	19.266
		High	1 980.00	19.236

2	QPSK	Low	1 940.00	19.167
		Middle	1 960.00	19.232
		High	1 980.00	19.228
	16QAM	Low	1 940.00	19.148
		Middle	1 960.00	19.179
		High	1 980.00	19.249
	64QAM	Low	1 940.00	19.247
		Middle	1 960.00	19.253
		High	1 980.00	19.317
	256QAM	Low	1 940.00	19.204
		Middle	1 960.00	19.191
		High	1 980.00	19.184
3	QPSK	Low	1 940.00	19.281
		Middle	1 960.00	19.293
		High	1 980.00	19.208
	16QAM	Low	1 940.00	19.170
		Middle	1 960.00	19.132
		High	1 980.00	19.251
	64QAM	Low	1 940.00	19.228
		Middle	1 960.00	19.228
		High	1 980.00	19.221
	256QAM	Low	1 940.00	19.282
		Middle	1 960.00	19.212
		High	1 980.00	19.298

(4 Port) DSS B2 10 MHz 1 Carrer + 5G NR n2 5 MHz 1 Carrier + 5G NR n2 15 MHz 1 Carrer [3 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 945.00	29.253
		Middle	1 960.00	29.241
		High	1 975.00	29.197
	16QAM	Low	1 945.00	29.283
		Middle	1 960.00	29.288
		High	1 975.00	29.293
	64QAM	Low	1 945.00	29.213
		Middle	1 960.00	29.243
		High	1 975.00	29.260
	256QAM	Low	1 945.00	29.245
		Middle	1 960.00	29.239
		High	1 975.00	29.202
1	QPSK	Low	1 945.00	29.271
		Middle	1 960.00	29.229
		High	1 975.00	29.204
	16QAM	Low	1 945.00	29.307
		Middle	1 960.00	29.328
		High	1 975.00	29.164
	64QAM	Low	1 945.00	29.251
		Middle	1 960.00	29.232
		High	1 975.00	29.196
	256QAM	Low	1 945.00	29.229
		Middle	1 960.00	29.215
		High	1 975.00	29.217

2	QPSK	Low	1 945.00	29.230
		Middle	1 960.00	29.212
		High	1 975.00	29.248
	16QAM	Low	1 945.00	29.318
		Middle	1 960.00	29.310
		High	1 975.00	29.163
	64QAM	Low	1 945.00	29.203
		Middle	1 960.00	29.257
		High	1 975.00	29.169
	256QAM	Low	1 945.00	29.217
		Middle	1 960.00	29.177
		High	1 975.00	29.202
3	QPSK	Low	1 945.00	29.260
		Middle	1 960.00	29.215
		High	1 975.00	29.180
	16QAM	Low	1 945.00	29.336
		Middle	1 960.00	29.344
		High	1 975.00	29.196
	64QAM	Low	1 945.00	29.204
		Middle	1 960.00	29.214
		High	1 975.00	29.215
	256QAM	Low	1 945.00	29.240
		Middle	1 960.00	29.254
		High	1 975.00	29.189

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 940.00	19.270
		Middle	1 960.00	19.249
		High	1 980.00	19.296
	16QAM	Low	1 940.00	19.161
		Middle	1 960.00	19.183
		High	1 980.00	19.340
	64QAM	Low	1 940.00	19.245
		Middle	1 960.00	19.199
		High	1 980.00	19.215
	256QAM	Low	1 940.00	19.208
		Middle	1 960.00	19.270
		High	1 980.00	19.286
1	QPSK	Low	1 940.00	19.219
		Middle	1 960.00	19.259
		High	1 980.00	19.204
	16QAM	Low	1 940.00	19.197
		Middle	1 960.00	19.228
		High	1 980.00	19.323
	64QAM	Low	1 940.00	19.203
		Middle	1 960.00	19.213
		High	1 980.00	19.192
	256QAM	Low	1 940.00	19.165
		Middle	1 960.00	19.263
		High	1 980.00	19.260

2	QPSK	Low	1 940.00	19.227
		Middle	1 960.00	19.288
		High	1 980.00	19.243
	16QAM	Low	1 940.00	19.207
		Middle	1 960.00	19.214
		High	1 980.00	19.251
	64QAM	Low	1 940.00	19.241
		Middle	1 960.00	19.266
		High	1 980.00	19.221
	256QAM	Low	1 940.00	19.208
		Middle	1 960.00	19.206
		High	1 980.00	19.294
3	QPSK	Low	1 940.00	19.242
		Middle	1 960.00	19.215
		High	1 980.00	19.233
	16QAM	Low	1 940.00	19.178
		Middle	1 960.00	19.148
		High	1 980.00	19.239
	64QAM	Low	1 940.00	19.218
		Middle	1 960.00	19.259
		High	1 980.00	19.170
	256QAM	Low	1 940.00	19.185
		Middle	1 960.00	19.166
		High	1 980.00	19.220

(4 Port) DSS B2 10 MHz 1 Carrier + 5G NR n2 15 MHz 1 Carrier + LTE B2 5 MHz 1 Carrer [3 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	1 945.00	29.128
		Middle	1 960.00	29.190
		High	1 975.00	29.200
	16QAM	Low	1 945.00	29.267
		Middle	1 960.00	29.338
		High	1 975.00	29.161
	64QAM	Low	1 945.00	29.213
		Middle	1 960.00	29.202
		High	1 975.00	29.304
	256QAM	Low	1 945.00	29.158
		Middle	1 960.00	29.228
		High	1 975.00	29.259
1	QPSK	Low	1 945.00	29.184
		Middle	1 960.00	29.228
		High	1 975.00	29.244
	16QAM	Low	1 945.00	29.338
		Middle	1 960.00	29.285
		High	1 975.00	29.192
	64QAM	Low	1 945.00	29.242
		Middle	1 960.00	29.243
		High	1 975.00	29.208
	256QAM	Low	1 945.00	29.165
		Middle	1 960.00	29.220
		High	1 975.00	29.222

2	QPSK	Low	1 945.00	29.216
		Middle	1 960.00	29.279
		High	1 975.00	29.230
	16QAM	Low	1 945.00	29.373
		Middle	1 960.00	29.331
		High	1 975.00	29.198
	64QAM	Low	1 945.00	29.171
		Middle	1 960.00	29.260
		High	1 975.00	29.219
	256QAM	Low	1 945.00	29.183
		Middle	1 960.00	29.223
		High	1 975.00	29.306
3	QPSK	Low	1 945.00	29.186
		Middle	1 960.00	29.202
		High	1 975.00	29.200
	16QAM	Low	1 945.00	29.316
		Middle	1 960.00	29.295
		High	1 975.00	29.238
	64QAM	Low	1 945.00	29.147
		Middle	1 960.00	29.265
		High	1 975.00	29.242
	256QAM	Low	1 945.00	29.209
		Middle	1 960.00	29.282
		High	1 975.00	29.271

(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	28.953
		Middle	1 960.00	29.003
		High	1 975.00	29.054
	16QAM	Low	1 945.00	28.981
		Middle	1 960.00	29.003
		High	1 975.00	28.921
	64QAM	Low	1 945.00	28.981
		Middle	1 960.00	28.997
		High	1 975.00	28.934
	256QAM	Low	1 945.00	28.975
		Middle	1 960.00	28.921
		High	1 975.00	28.967
1	QPSK	Low	1 945.00	29.051
		Middle	1 960.00	28.999
		High	1 975.00	28.985
	16QAM	Low	1 945.00	28.860
		Middle	1 960.00	29.046
		High	1 975.00	28.914
	64QAM	Low	1 945.00	28.934
		Middle	1 960.00	29.042
		High	1 975.00	28.952
	256QAM	Low	1 945.00	28.969
		Middle	1 960.00	28.954
		High	1 975.00	29.005

2	QPSK	Low	1 945.00	28.877
		Middle	1 960.00	28.989
		High	1 975.00	28.968
	16QAM	Low	1 945.00	28.915
		Middle	1 960.00	28.955
		High	1 975.00	28.921
	64QAM	Low	1 945.00	29.024
		Middle	1 960.00	28.999
		High	1 975.00	28.949
	256QAM	Low	1 945.00	28.996
		Middle	1 960.00	29.048
		High	1 975.00	28.955
3	QPSK	Low	1 945.00	28.972
		Middle	1 960.00	29.102
		High	1 975.00	28.971
	16QAM	Low	1 945.00	28.990
		Middle	1 960.00	28.921
		High	1 975.00	28.877
	64QAM	Low	1 945.00	28.983
		Middle	1 960.00	29.014
		High	1 975.00	28.976
	256QAM	Low	1 945.00	28.979
		Middle	1 960.00	29.049
		High	1 975.00	28.993

(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	14.375
		Middle	2 145.00	14.401
		High	2 172.50	14.415
	16QAM	Low	2 117.50	14.421
		Middle	2 145.00	14.508
		High	2 172.50	14.471
	64QAM	Low	2 117.50	14.379
		Middle	2 145.00	14.422
		High	2 172.50	14.435
	256QAM	Low	2 117.50	14.374
		Middle	2 145.00	14.436
		High	2 172.50	14.428
1	QPSK	Low	2 117.50	14.406
		Middle	2 145.00	14.383
		High	2 172.50	14.418
	16QAM	Low	2 117.50	14.443
		Middle	2 145.00	14.482
		High	2 172.50	14.483
	64QAM	Low	2 117.50	14.394
		Middle	2 145.00	14.401
		High	2 172.50	14.407
	256QAM	Low	2 117.50	14.340
		Middle	2 145.00	14.391
		High	2 172.50	14.404

2	QPSK	Low	2 117.50	14.404
		Middle	2 145.00	14.453
		High	2 172.50	14.398
	16QAM	Low	2 117.50	14.461
		Middle	2 145.00	14.484
		High	2 172.50	14.467
	64QAM	Low	2 117.50	14.404
		Middle	2 145.00	14.408
		High	2 172.50	14.393
	256QAM	Low	2 117.50	14.370
		Middle	2 145.00	14.393
		High	2 172.50	14.409
3	QPSK	Low	2 117.50	14.344
		Middle	2 145.00	14.397
		High	2 172.50	14.407
	16QAM	Low	2 117.50	14.444
		Middle	2 145.00	14.505
		High	2 172.50	14.452
	64QAM	Low	2 117.50	14.349
		Middle	2 145.00	14.420
		High	2 172.50	14.433
	256QAM	Low	2 117.50	14.366
		Middle	2 145.00	14.420
		High	2 172.50	14.380

(4 Port) 5G NR n66 5 MHz 1 Carrier + 5G NR n66 15 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	39.004
		Middle	2 145.00	39.183
		High	2 160.00	39.016
	16QAM	Low	2 130.00	39.157
		Middle	2 145.00	39.202
		High	2 160.00	39.084
	64QAM	Low	2 130.00	38.991
		Middle	2 145.00	39.121
		High	2 160.00	39.100
	256QAM	Low	2 130.00	39.003
		Middle	2 145.00	39.099
		High	2 160.00	39.093
1	QPSK	Low	2 130.00	39.029
		Middle	2 145.00	39.172
		High	2 160.00	39.080
	16QAM	Low	2 130.00	39.163
		Middle	2 145.00	39.214
		High	2 160.00	39.096
	64QAM	Low	2 130.00	39.019
		Middle	2 145.00	39.086
		High	2 160.00	39.111
	256QAM	Low	2 130.00	39.015
		Middle	2 145.00	39.021
		High	2 160.00	39.057

2	QPSK	Low	2 130.00	39.020
		Middle	2 145.00	39.106
		High	2 160.00	39.071
	16QAM	Low	2 130.00	39.066
		Middle	2 145.00	39.192
		High	2 160.00	39.134
	64QAM	Low	2 130.00	39.100
		Middle	2 145.00	39.057
		High	2 160.00	39.076
	256QAM	Low	2 130.00	38.963
		Middle	2 145.00	39.105
		High	2 160.00	39.099
3	QPSK	Low	2 130.00	39.008
		Middle	2 145.00	39.105
		High	2 160.00	39.034
	16QAM	Low	2 130.00	39.095
		Middle	2 145.00	39.205
		High	2 160.00	39.020
	64QAM	Low	2 130.00	38.985
		Middle	2 145.00	39.111
		High	2 160.00	39.053
	256QAM	Low	2 130.00	38.956
		Middle	2 145.00	39.031
		High	2 160.00	39.050

(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	19.236
		Middle	2 145.00	19.222
		High	2 170.00	19.232
	16QAM	Low	2 120.00	19.136
		Middle	2 145.00	19.193
		High	2 170.00	19.267
	64QAM	Low	2 120.00	19.184
		Middle	2 145.00	19.238
		High	2 170.00	19.198
	256QAM	Low	2 120.00	19.227
		Middle	2 145.00	19.212
		High	2 170.00	19.255
1	QPSK	Low	2 120.00	19.223
		Middle	2 145.00	19.255
		High	2 170.00	19.208
	16QAM	Low	2 120.00	19.169
		Middle	2 145.00	19.161
		High	2 170.00	19.252
	64QAM	Low	2 120.00	19.187
		Middle	2 145.00	19.299
		High	2 170.00	19.223
	256QAM	Low	2 120.00	19.226
		Middle	2 145.00	19.209
		High	2 170.00	19.268

2	QPSK	Low	2 120.00	19.181
		Middle	2 145.00	19.216
		High	2 170.00	19.194
	16QAM	Low	2 120.00	19.152
		Middle	2 145.00	19.214
		High	2 170.00	19.226
	64QAM	Low	2 120.00	19.209
		Middle	2 145.00	19.259
		High	2 170.00	19.238
	256QAM	Low	2 120.00	19.154
		Middle	2 145.00	19.239
		High	2 170.00	19.231
3	QPSK	Low	2 120.00	19.234
		Middle	2 145.00	19.233
		High	2 170.00	19.180
	16QAM	Low	2 120.00	19.136
		Middle	2 145.00	19.171
		High	2 170.00	19.268
	64QAM	Low	2 120.00	19.186
		Middle	2 145.00	19.275
		High	2 170.00	19.183
	256QAM	Low	2 120.00	19.256
		Middle	2 145.00	19.304
		High	2 170.00	19.203

(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	38.662
		Middle	2 145.00	38.838
		High	2 160.00	38.885
	16QAM	Low	2 130.00	38.878
		Middle	2 145.00	39.038
		High	2 160.00	38.947
	64QAM	Low	2 130.00	38.779
		Middle	2 145.00	38.879
		High	2 160.00	38.799
	256QAM	Low	2 130.00	38.812
		Middle	2 145.00	38.893
		High	2 160.00	38.911
1	QPSK	Low	2 130.00	38.861
		Middle	2 145.00	38.855
		High	2 160.00	38.836
	16QAM	Low	2 130.00	38.882
		Middle	2 145.00	38.928
		High	2 160.00	38.909
	64QAM	Low	2 130.00	38.927
		Middle	2 145.00	38.971
		High	2 160.00	38.853
	256QAM	Low	2 130.00	38.786
		Middle	2 145.00	38.828
		High	2 160.00	38.797

2	QPSK	Low	2 130.00	38.786
		Middle	2 145.00	38.846
		High	2 160.00	38.863
	16QAM	Low	2 130.00	38.860
		Middle	2 145.00	38.961
		High	2 160.00	38.889
	64QAM	Low	2 130.00	38.790
		Middle	2 145.00	38.864
		High	2 160.00	38.933
	256QAM	Low	2 130.00	38.766
		Middle	2 145.00	38.902
		High	2 160.00	38.828
3	QPSK	Low	2 130.00	38.699
		Middle	2 145.00	38.886
		High	2 160.00	38.841
	16QAM	Low	2 130.00	38.927
		Middle	2 145.00	39.064
		High	2 160.00	38.936
	64QAM	Low	2 130.00	38.744
		Middle	2 145.00	38.893
		High	2 160.00	38.848
	256QAM	Low	2 130.00	38.759
		Middle	2 145.00	38.870
		High	2 160.00	38.883

(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	28.878
		Middle	2 145.00	28.982
		High	2 165.00	28.912
	16QAM	Low	2 125.00	28.784
		Middle	2 145.00	28.903
		High	2 165.00	28.960
	64QAM	Low	2 125.00	28.891
		Middle	2 145.00	28.973
		High	2 165.00	28.927
	256QAM	Low	2 125.00	28.894
		Middle	2 145.00	28.921
		High	2 165.00	28.948
1	QPSK	Low	2 125.00	28.933
		Middle	2 145.00	28.998
		High	2 165.00	28.946
	16QAM	Low	2 125.00	28.845
		Middle	2 145.00	28.837
		High	2 165.00	28.976
	64QAM	Low	2 125.00	28.862
		Middle	2 145.00	28.907
		High	2 165.00	28.993
	256QAM	Low	2 125.00	28.883
		Middle	2 145.00	28.933
		High	2 165.00	28.880

2	QPSK	Low	2 125.00	28.892
		Middle	2 145.00	28.967
		High	2 165.00	28.929
	16QAM	Low	2 125.00	28.841
		Middle	2 145.00	28.869
		High	2 165.00	28.895
	64QAM	Low	2 125.00	28.950
		Middle	2 145.00	28.964
		High	2 165.00	28.948
	256QAM	Low	2 125.00	28.911
		Middle	2 145.00	28.916
		High	2 165.00	28.959
3	QPSK	Low	2 125.00	28.923
		Middle	2 145.00	28.909
		High	2 165.00	28.922
	16QAM	Low	2 125.00	28.804
		Middle	2 145.00	28.843
		High	2 165.00	28.874
	64QAM	Low	2 125.00	28.932
		Middle	2 145.00	28.892
		High	2 165.00	28.945
	256QAM	Low	2 125.00	28.895
		Middle	2 145.00	28.827
		High	2 165.00	28.983

(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	38.585
		Middle	2 145.00	38.666
		High	2 160.00	38.716
	16QAM	Low	2 130.00	38.637
		Middle	2 145.00	38.773
		High	2 160.00	38.578
	64QAM	Low	2 130.00	38.782
		Middle	2 145.00	38.780
		High	2 160.00	38.772
	256QAM	Low	2 130.00	38.564
		Middle	2 145.00	38.805
		High	2 160.00	38.672
1	QPSK	Low	2 130.00	38.669
		Middle	2 145.00	38.691
		High	2 160.00	38.797
	16QAM	Low	2 130.00	38.599
		Middle	2 145.00	38.770
		High	2 160.00	38.624
	64QAM	Low	2 130.00	38.652
		Middle	2 145.00	38.779
		High	2 160.00	38.670
	256QAM	Low	2 130.00	38.603
		Middle	2 145.00	38.821
		High	2 160.00	38.758

2	QPSK	Low	2 130.00	38.633
		Middle	2 145.00	38.693
		High	2 160.00	38.743
	16QAM	Low	2 130.00	38.811
		Middle	2 145.00	38.752
		High	2 160.00	38.585
	64QAM	Low	2 130.00	38.663
		Middle	2 145.00	38.607
		High	2 160.00	38.728
	256QAM	Low	2 130.00	38.609
		Middle	2 145.00	38.589
		High	2 160.00	38.641
3	QPSK	Low	2 130.00	38.640
		Middle	2 145.00	38.774
		High	2 160.00	38.695
	16QAM	Low	2 130.00	38.495
		Middle	2 145.00	38.907
		High	2 160.00	38.751
	64QAM	Low	2 130.00	38.570
		Middle	2 145.00	38.695
		High	2 160.00	38.539
	256QAM	Low	2 130.00	38.623
		Middle	2 145.00	38.774
		High	2 160.00	38.714

(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	19.362
		Middle	2 145.00	19.413
		High	2 170.00	19.378
	16QAM	Low	2 120.00	19.363
		Middle	2 145.00	19.362
		High	2 170.00	19.385
	64QAM	Low	2 120.00	19.376
		Middle	2 145.00	19.372
		High	2 170.00	19.382
	256QAM	Low	2 120.00	19.354
		Middle	2 145.00	19.402
		High	2 170.00	19.413
1	QPSK	Low	2 120.00	19.415
		Middle	2 145.00	19.402
		High	2 170.00	19.398
	16QAM	Low	2 120.00	19.340
		Middle	2 145.00	19.471
		High	2 170.00	19.352
	64QAM	Low	2 120.00	19.386
		Middle	2 145.00	19.419
		High	2 170.00	19.400
	256QAM	Low	2 120.00	19.367
		Middle	2 145.00	19.417
		High	2 170.00	19.401

2	QPSK	Low	2 120.00	19.338
		Middle	2 145.00	19.440
		High	2 170.00	19.412
	16QAM	Low	2 120.00	19.346
		Middle	2 145.00	19.373
		High	2 170.00	19.410
	64QAM	Low	2 120.00	19.391
		Middle	2 145.00	19.383
		High	2 170.00	19.408
	256QAM	Low	2 120.00	19.392
		Middle	2 145.00	19.414
		High	2 170.00	19.371
3	QPSK	Low	2 120.00	19.357
		Middle	2 145.00	19.430
		High	2 170.00	19.401
	16QAM	Low	2 120.00	19.346
		Middle	2 145.00	19.418
		High	2 170.00	19.407
	64QAM	Low	2 120.00	19.370
		Middle	2 145.00	19.394
		High	2 170.00	19.397
	256QAM	Low	2 120.00	19.333
		Middle	2 145.00	19.376
		High	2 170.00	19.377

(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	38.960
		Middle	2 145.00	39.050
		High	2 160.00	39.190
	16QAM	Low	2 130.00	39.166
		Middle	2 145.00	39.173
		High	2 160.00	39.150
	64QAM	Low	2 130.00	39.039
		Middle	2 145.00	39.064
		High	2 160.00	39.090
	256QAM	Low	2 130.00	38.977
		Middle	2 145.00	39.108
		High	2 160.00	39.085
1	QPSK	Low	2 130.00	38.986
		Middle	2 145.00	39.068
		High	2 160.00	39.082
	16QAM	Low	2 130.00	39.105
		Middle	2 145.00	39.111
		High	2 160.00	39.040
	64QAM	Low	2 130.00	38.984
		Middle	2 145.00	39.056
		High	2 160.00	39.049
	256QAM	Low	2 130.00	38.944
		Middle	2 145.00	39.064
		High	2 160.00	39.118

2	QPSK	Low	2 130.00	38.920
		Middle	2 145.00	39.092
		High	2 160.00	39.146
	16QAM	Low	2 130.00	39.043
		Middle	2 145.00	39.248
		High	2 160.00	39.060
	64QAM	Low	2 130.00	38.978
		Middle	2 145.00	39.070
		High	2 160.00	39.133
	256QAM	Low	2 130.00	39.009
		Middle	2 145.00	39.059
		High	2 160.00	39.050
3	QPSK	Low	2 130.00	38.998
		Middle	2 145.00	39.097
		High	2 160.00	39.140
	16QAM	Low	2 130.00	39.015
		Middle	2 145.00	39.157
		High	2 160.00	39.181
	64QAM	Low	2 130.00	38.994
		Middle	2 145.00	39.050
		High	2 160.00	39.039
	256QAM	Low	2 130.00	39.006
		Middle	2 145.00	39.097
		High	2 160.00	39.107

(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	24.181
		Middle	2 145.00	24.204
		High	2 167.50	24.143
	16QAM	Low	2 122.50	24.078
		Middle	2 145.00	24.145
		High	2 167.50	24.231
	64QAM	Low	2 122.50	24.130
		Middle	2 145.00	24.199
		High	2 167.50	24.209
	256QAM	Low	2 122.50	24.176
		Middle	2 145.00	24.194
		High	2 167.50	24.222
1	QPSK	Low	2 122.50	24.170
		Middle	2 145.00	24.173
		High	2 167.50	24.227
	16QAM	Low	2 122.50	24.188
		Middle	2 145.00	24.097
		High	2 167.50	24.150
	64QAM	Low	2 122.50	24.146
		Middle	2 145.00	24.163
		High	2 167.50	24.205
	256QAM	Low	2 122.50	24.125
		Middle	2 145.00	24.240
		High	2 167.50	24.257

2	QPSK	Low	2 122.50	24.114
		Middle	2 145.00	24.187
		High	2 167.50	24.127
	16QAM	Low	2 122.50	24.102
		Middle	2 145.00	24.139
		High	2 167.50	24.211
	64QAM	Low	2 122.50	24.138
		Middle	2 145.00	24.207
		High	2 167.50	24.204
	256QAM	Low	2 122.50	24.165
		Middle	2 145.00	24.223
		High	2 167.50	24.228
3	QPSK	Low	2 122.50	24.140
		Middle	2 145.00	24.185
		High	2 167.50	24.221
	16QAM	Low	2 122.50	24.059
		Middle	2 145.00	24.174
		High	2 167.50	24.169
	64QAM	Low	2 122.50	24.105
		Middle	2 145.00	24.243
		High	2 167.50	24.206
	256QAM	Low	2 122.50	24.115
		Middle	2 145.00	24.222
		High	2 167.50	24.204

(4 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + DSS B66 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	38.898
		Middle	2 145.00	39.112
		High	2 160.00	39.165
	16QAM	Low	2 130.00	39.063
		Middle	2 145.00	39.194
		High	2 160.00	38.985
	64QAM	Low	2 130.00	38.993
		Middle	2 145.00	39.100
		High	2 160.00	39.125
	256QAM	Low	2 130.00	38.938
		Middle	2 145.00	39.079
		High	2 160.00	39.109
1	QPSK	Low	2 130.00	38.983
		Middle	2 145.00	39.049
		High	2 160.00	39.035
	16QAM	Low	2 130.00	39.154
		Middle	2 145.00	39.141
		High	2 160.00	39.046
	64QAM	Low	2 130.00	39.009
		Middle	2 145.00	39.162
		High	2 160.00	39.075
	256QAM	Low	2 130.00	39.054
		Middle	2 145.00	39.154
		High	2 160.00	39.080

2	QPSK	Low	2 130.00	38.991
		Middle	2 145.00	39.116
		High	2 160.00	39.084
	16QAM	Low	2 130.00	39.084
		Middle	2 145.00	39.251
		High	2 160.00	39.216
	64QAM	Low	2 130.00	38.988
		Middle	2 145.00	39.117
		High	2 160.00	39.049
	256QAM	Low	2 130.00	38.964
		Middle	2 145.00	39.093
		High	2 160.00	39.103
3	QPSK	Low	2 130.00	38.879
		Middle	2 145.00	39.061
		High	2 160.00	39.136
	16QAM	Low	2 130.00	39.008
		Middle	2 145.00	39.180
		High	2 160.00	39.023
	64QAM	Low	2 130.00	38.934
		Middle	2 145.00	39.081
		High	2 160.00	39.093
	256QAM	Low	2 130.00	38.960
		Middle	2 145.00	39.096
		High	2 160.00	39.139

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

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 122.50	24.121
		Middle	2 145.00	24.166
		High	2 167.50	24.216
	16QAM	Low	2 122.50	24.010
		Middle	2 145.00	24.070
		High	2 167.50	24.169
	64QAM	Low	2 122.50	24.133
		Middle	2 145.00	24.223
		High	2 167.50	24.236
	256QAM	Low	2 122.50	24.172
		Middle	2 145.00	24.174
		High	2 167.50	24.175
1	QPSK	Low	2 122.50	24.151
		Middle	2 145.00	24.184
		High	2 167.50	24.187
	16QAM	Low	2 122.50	24.059
		Middle	2 145.00	24.166
		High	2 167.50	24.116
	64QAM	Low	2 122.50	24.187
		Middle	2 145.00	24.283
		High	2 167.50	24.230
	256QAM	Low	2 122.50	24.242
		Middle	2 145.00	24.220
		High	2 167.50	24.241

2	QPSK	Low	2 122.50	24.203
		Middle	2 145.00	24.242
		High	2 167.50	24.195
	16QAM	Low	2 122.50	24.075
		Middle	2 145.00	24.123
		High	2 167.50	24.147
	64QAM	Low	2 122.50	24.296
		Middle	2 145.00	24.204
		High	2 167.50	24.224
	256QAM	Low	2 122.50	24.159
		Middle	2 145.00	24.271
		High	2 167.50	24.214
3	QPSK	Low	2 122.50	24.172
		Middle	2 145.00	24.183
		High	2 167.50	24.217
	16QAM	Low	2 122.50	24.025
		Middle	2 145.00	24.118
		High	2 167.50	24.196
	64QAM	Low	2 122.50	24.186
		Middle	2 145.00	24.185
		High	2 167.50	24.282
	256QAM	Low	2 122.50	24.147
		Middle	2 145.00	24.181
		High	2 167.50	24.187

(4 Port) LTE B66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 15 MHz 1 Carrier [4 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	2 130.00	38.889
		Middle	2 145.00	39.040
		High	2 160.00	38.989
	16QAM	Low	2 130.00	38.902
		Middle	2 145.00	39.026
		High	2 160.00	38.927
	64QAM	Low	2 130.00	38.956
		Middle	2 145.00	39.045
		High	2 160.00	38.951
	256QAM	Low	2 130.00	38.805
		Middle	2 145.00	38.905
		High	2 160.00	39.001
1	QPSK	Low	2 130.00	38.996
		Middle	2 145.00	38.948
		High	2 160.00	38.938
	16QAM	Low	2 130.00	38.923
		Middle	2 145.00	39.105
		High	2 160.00	38.902
	64QAM	Low	2 130.00	38.814
		Middle	2 145.00	39.005
		High	2 160.00	38.941
	256QAM	Low	2 130.00	38.894
		Middle	2 145.00	38.950
		High	2 160.00	39.052

2	QPSK	Low	2 130.00	38.871
		Middle	2 145.00	39.114
		High	2 160.00	39.004
	16QAM	Low	2 130.00	39.016
		Middle	2 145.00	39.045
		High	2 160.00	38.907
	64QAM	Low	2 130.00	38.886
		Middle	2 145.00	38.989
		High	2 160.00	38.901
	256QAM	Low	2 130.00	38.874
		Middle	2 145.00	38.923
		High	2 160.00	39.021
3	QPSK	Low	2 130.00	38.917
		Middle	2 145.00	39.042
		High	2 160.00	39.017
	16QAM	Low	2 130.00	39.005
		Middle	2 145.00	39.229
		High	2 160.00	39.042
	64QAM	Low	2 130.00	38.939
		Middle	2 145.00	38.971
		High	2 160.00	38.959
	256QAM	Low	2 130.00	38.864
		Middle	2 145.00	38.980
		High	2 160.00	38.979

Tabular Data of Non-Contiguous Occupied Bandwidth

(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	9.1627	1 985.00	9.1849	18.348
	16QAM	1 935.00	9.1084	1 985.00	9.0794	18.188
	64QAM	1 935.00	9.2152	1 985.00	9.2438	18.459
	256QAM	1 935.00	9.1890	1 985.00	9.1243	18.313
1	QPSK	1 935.00	9.1952	1 985.00	9.2210	18.416
	16QAM	1 935.00	9.1557	1 985.00	9.0895	18.245
	64QAM	1 935.00	9.2045	1 985.00	9.1513	18.356
	256QAM	1 935.00	9.2343	1 985.00	9.1872	18.422
2	QPSK	1 935.00	9.2348	1 985.00	9.2332	18.468
	16QAM	1 935.00	9.0782	1 985.00	9.0670	18.145
	64QAM	1 935.00	9.1685	1 985.00	9.1638	18.332
	256QAM	1 935.00	9.1806	1 985.00	9.2222	18.403
3	QPSK	1 935.00	9.2447	1 985.00	9.1631	18.408
	16QAM	1 935.00	9.0836	1 985.00	9.1314	18.215
	64QAM	1 935.00	9.2708	1 985.00	9.1750	18.446
	256QAM	1 935.00	9.2008	1 985.00	9.2100	18.411

(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	4.4768	1 985.00	9.4156	13.892
	16QAM	1 932.50	4.4931	1 985.00	9.4751	13.968
	64QAM	1 932.50	4.4791	1 985.00	9.4517	13.931
	256QAM	1 932.50	4.4762	1 985.00	9.4663	13.942
1	QPSK	1 932.50	4.4765	1 985.00	9.4314	13.908
	16QAM	1 932.50	4.4916	1 985.00	9.4751	13.967
	64QAM	1 932.50	4.4819	1 985.00	9.4545	13.936
	256QAM	1 932.50	4.4794	1 985.00	9.4624	13.942
2	QPSK	1 932.50	4.4780	1 985.00	9.4347	13.913
	16QAM	1 932.50	4.4973	1 985.00	9.4952	13.992
	64QAM	1 932.50	4.4756	1 985.00	9.4467	13.922
	256QAM	1 932.50	4.4712	1 985.00	9.4473	13.919
3	QPSK	1 932.50	4.4740	1 985.00	9.4563	13.930
	16QAM	1 932.50	4.4976	1 985.00	9.4805	13.978
	64QAM	1 932.50	4.4787	1 985.00	9.4655	13.944
	256QAM	1 932.50	4.4722	1 985.00	9.4830	13.955

(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	9.4455	1 987.50	4.4705	13.916
	16QAM	1 935.00	9.4835	1 987.50	4.4887	13.972
	64QAM	1 935.00	9.4486	1 987.50	4.4769	13.926
	256QAM	1 935.00	9.4722	1 987.50	4.4761	13.948
1	QPSK	1 935.00	9.4658	1 987.50	4.4810	13.947
	16QAM	1 935.00	9.4695	1 987.50	4.4870	13.956
	64QAM	1 935.00	9.4433	1 987.50	4.4739	13.917
	256QAM	1 935.00	9.4481	1 987.50	4.4762	13.924
2	QPSK	1 935.00	9.4577	1 987.50	4.4801	13.938
	16QAM	1 935.00	9.4838	1 987.50	4.5027	13.986
	64QAM	1 935.00	9.4362	1 987.50	4.4787	13.915
	256QAM	1 935.00	9.4640	1 987.50	4.4803	13.944
3	QPSK	1 935.00	9.4447	1 987.50	4.4760	13.921
	16QAM	1 935.00	9.4914	1 987.50	4.4971	13.989
	64QAM	1 935.00	9.4490	1 987.50	4.4764	13.925
	256QAM	1 935.00	9.4487	1 987.50	4.4813	13.930

(4 Port) 5G NR n2 20 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 20 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	4.4712	1 977.50	24.183	28.654
	16QAM	1 932.50	4.5015	1 977.50	24.237	28.738
	64QAM	1 932.50	4.4746	1 977.50	24.162	28.636
	256QAM	1 932.50	4.4780	1 977.50	24.186	28.664
1	QPSK	1 932.50	4.4727	1 977.50	24.137	28.609
	16QAM	1 932.50	4.4964	1 977.50	24.265	28.761
	64QAM	1 932.50	4.4821	1 977.50	24.144	28.626
	256QAM	1 932.50	4.4725	1 977.50	24.156	28.628
2	QPSK	1 932.50	4.4760	1 977.50	24.129	28.605
	16QAM	1 932.50	4.4976	1 977.50	24.260	28.758
	64QAM	1 932.50	4.4734	1 977.50	24.150	28.624
	256QAM	1 932.50	4.4826	1 977.50	24.141	28.623
3	QPSK	1 932.50	4.4747	1 977.50	24.149	28.624
	16QAM	1 932.50	4.4991	1 977.50	24.199	28.698
	64QAM	1 932.50	4.4776	1 977.50	24.166	28.644
	256QAM	1 932.50	4.4800	1 977.50	24.160	28.640

(4 Port) 5G NR n2 20 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 20 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	1 942.50	24.129	1 987.50	4.4773	28.606
	16QAM	1 942.50	24.181	1 987.50	4.4913	28.673
	64QAM	1 942.50	24.127	1 987.50	4.4785	28.605
	256QAM	1 942.50	24.093	1 987.50	4.4791	28.572
1	QPSK	1 942.50	24.174	1 987.50	4.4768	28.651
	16QAM	1 942.50	24.270	1 987.50	4.4944	28.764
	64QAM	1 942.50	24.100	1 987.50	4.4795	28.580
	256QAM	1 942.50	24.125	1 987.50	4.4817	28.607
2	QPSK	1 942.50	24.130	1 987.50	4.4785	28.609
	16QAM	1 942.50	24.180	1 987.50	4.4965	28.677
	64QAM	1 942.50	24.109	1 987.50	4.4741	28.583
	256QAM	1 942.50	24.136	1 987.50	4.4695	28.606
3	QPSK	1 942.50	24.133	1 987.50	4.4782	28.611
	16QAM	1 942.50	24.230	1 987.50	4.5108	28.740
	64QAM	1 942.50	24.132	1 987.50	4.4811	28.613
	256QAM	1 942.50	24.134	1 987.50	4.4657	28.600

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

Ant	Mod	5G NR n2 5 MHz		5G NR n2 5 MHz + LTE B2 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 932.50	4.4794	1 985.00	9.4488	13.928
	16QAM	1 932.50	4.5020	1 985.00	9.4932	13.995
	64QAM	1 932.50	4.4781	1 985.00	9.4513	13.929
	256QAM	1 932.50	4.4722	1 985.00	9.4464	13.919
1	QPSK	1 932.50	4.4711	1 985.00	9.4342	13.905
	16QAM	1 932.50	4.4973	1 985.00	9.4845	13.982
	64QAM	1 932.50	4.4780	1 985.00	9.4456	13.924
	256QAM	1 932.50	4.4775	1 985.00	9.4608	13.938
2	QPSK	1 932.50	4.4732	1 985.00	9.4413	13.915
	16QAM	1 932.50	4.4922	1 985.00	9.5006	13.993
	64QAM	1 932.50	4.4726	1 985.00	9.4664	13.939
	256QAM	1 932.50	4.4693	1 985.00	9.4419	13.911
3	QPSK	1 932.50	4.4773	1 985.00	9.4298	13.907
	16QAM	1 932.50	4.4972	1 985.00	9.4710	13.968
	64QAM	1 932.50	4.4729	1 985.00	9.4424	13.915
	256QAM	1 932.50	4.4721	1 985.00	9.4574	13.930

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

Ant	Mod	5G NR n2 5 MHz + 5G NR n2 5 MHz		LTE B2 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 935.00	9.4622	1 987.50	4.4832	13.945
	16QAM	1 935.00	9.4956	1 987.50	4.4697	13.965
	64QAM	1 935.00	9.4398	1 987.50	4.4852	13.925
	256QAM	1 935.00	9.4420	1 987.50	4.4862	13.928
1	QPSK	1 935.00	9.4410	1 987.50	4.4784	13.919
	16QAM	1 935.00	9.4773	1 987.50	4.4807	13.958
	64QAM	1 935.00	9.4561	1 987.50	4.4917	13.948
	256QAM	1 935.00	9.4502	1 987.50	4.4882	13.938
2	QPSK	1 935.00	9.4661	1 987.50	4.4857	13.952
	16QAM	1 935.00	9.4770	1 987.50	4.4869	13.964
	64QAM	1 935.00	9.4250	1 987.50	4.4786	13.904
	256QAM	1 935.00	9.4340	1 987.50	4.4891	13.923
3	QPSK	1 935.00	9.4563	1 987.50	4.4803	13.937
	16QAM	1 935.00	9.4960	1 987.50	4.4777	13.974
	64QAM	1 935.00	9.4089	1 987.50	4.4899	13.899
	256QAM	1 935.00	9.4490	1 987.50	4.4840	13.933

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

Ant	Mod	5G NR n2 5 MHz		5G NR n2 20 MHz + LTE B2 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 932.50	4.4781	1 977.50	24.154	28.632
	16QAM	1 932.50	4.5009	1 977.50	24.260	28.761
	64QAM	1 932.50	4.4762	1 977.50	24.107	28.583
	256QAM	1 932.50	4.4811	1 977.50	24.185	28.666
1	QPSK	1 932.50	4.4759	1 977.50	24.109	28.585
	16QAM	1 932.50	4.4998	1 977.50	24.191	28.691
	64QAM	1 932.50	4.4849	1 977.50	24.181	28.666
	256QAM	1 932.50	4.4761	1 977.50	24.114	28.590
2	QPSK	1 932.50	4.4836	1 977.50	24.180	28.663
	16QAM	1 932.50	4.5012	1 977.50	24.223	28.724
	64QAM	1 932.50	4.4767	1 977.50	24.159	28.635
	256QAM	1 932.50	4.4834	1 977.50	24.172	28.655
3	QPSK	1 932.50	4.4743	1 977.50	24.167	28.641
	16QAM	1 932.50	4.4900	1 977.50	24.247	28.737
	64QAM	1 932.50	4.4717	1 977.50	24.171	28.642
	256QAM	1 932.50	4.4753	1 977.50	24.136	28.611

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

Ant	Mod	5G NR n2 5 MHz + 5G NR n2 20 MHz		LTE B2 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 942.50	24.159	1 987.50	4.4764	28.635
	16QAM	1 942.50	24.141	1 987.50	4.4929	28.634
	64QAM	1 942.50	24.129	1 987.50	4.4745	28.604
	256QAM	1 942.50	24.145	1 987.50	4.4857	28.631
1	QPSK	1 942.50	24.132	1 987.50	4.4731	28.606
	16QAM	1 942.50	24.157	1 987.50	4.4899	28.647
	64QAM	1 942.50	24.161	1 987.50	4.4734	28.635
	256QAM	1 942.50	24.156	1 987.50	4.4799	28.636
2	QPSK	1 942.50	24.126	1 987.50	4.4736	28.600
	16QAM	1 942.50	24.107	1 987.50	4.4940	28.601
	64QAM	1 942.50	24.142	1 987.50	4.4856	28.627
	256QAM	1 942.50	24.167	1 987.50	4.4757	28.642
3	QPSK	1 942.50	24.155	1 987.50	4.4764	28.631
	16QAM	1 942.50	24.048	1 987.50	4.4942	28.542
	64QAM	1 942.50	24.174	1 987.50	4.4788	28.653
	256QAM	1 942.50	24.195	1 987.50	4.4790	28.674

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

Ant	Mod	DSS B2 10 MHz		LTE B2 5 MHz + LTE B2 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 932.50	4.4866	1 982.50	14.279	18.765
	16QAM	1 932.50	4.4874	1 982.50	14.162	18.650
	64QAM	1 932.50	4.5008	1 982.50	14.278	18.778
	256QAM	1 932.50	4.4933	1 982.50	14.282	18.776
1	QPSK	1 932.50	4.4865	1 982.50	14.258	18.744
	16QAM	1 932.50	4.4809	1 982.50	14.217	18.698
	64QAM	1 932.50	4.4845	1 982.50	14.299	18.783
	256QAM	1 932.50	4.4978	1 982.50	14.345	18.843
2	QPSK	1 932.50	4.4929	1 982.50	14.261	18.753
	16QAM	1 932.50	4.4827	1 982.50	14.177	18.660
	64QAM	1 932.50	4.4886	1 982.50	14.310	18.799
	256QAM	1 932.50	4.4836	1 982.50	14.272	18.756
3	QPSK	1 932.50	4.4891	1 982.50	14.242	18.731
	16QAM	1 932.50	4.4803	1 982.50	14.212	18.692
	64QAM	1 932.50	4.4922	1 982.50	14.270	18.762
	256QAM	1 932.50	4.4867	1 982.50	14.238	18.725

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

Ant	Mod	DSS B2 10 MHz + LTE B2 5 MHz		LTE B2 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 937.50	14.278	1 987.50	4.5037	18.781
	16QAM	1 937.50	14.235	1 987.50	4.4853	18.721
	64QAM	1 937.50	14.270	1 987.50	4.4878	18.757
	256QAM	1 937.50	14.283	1 987.50	4.4943	18.777
1	QPSK	1 937.50	14.331	1 987.50	4.5057	18.836
	16QAM	1 937.50	14.235	1 987.50	4.4752	18.710
	64QAM	1 937.50	14.257	1 987.50	4.4993	18.757
	256QAM	1 937.50	14.274	1 987.50	4.4896	18.763
2	QPSK	1 937.50	14.280	1 987.50	4.4976	18.777
	16QAM	1 937.50	14.317	1 987.50	4.4760	18.793
	64QAM	1 937.50	14.214	1 987.50	4.5010	18.715
	256QAM	1 937.50	14.343	1 987.50	4.4960	18.839
3	QPSK	1 937.50	14.261	1 987.50	4.5022	18.763
	16QAM	1 937.50	14.260	1 987.50	4.4716	18.732
	64QAM	1 937.50	14.241	1 987.50	4.5033	18.745
	256QAM	1 937.50	14.300	1 987.50	4.4960	18.796

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

Ant	Mod	DSS B2 20 MHz		LTE B2 5 MHz + LTE B2 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 932.50	4.5046	1 977.50	23.980	28.485
	16QAM	1 932.50	4.4859	1 977.50	24.120	28.606
	64QAM	1 932.50	4.4919	1 977.50	24.140	28.631
	256QAM	1 932.50	4.4976	1 977.50	24.149	28.647
1	QPSK	1 932.50	4.4962	1 977.50	24.110	28.606
	16QAM	1 932.50	4.4893	1 977.50	24.115	28.604
	64QAM	1 932.50	4.5016	1 977.50	24.097	28.599
	256QAM	1 932.50	4.4964	1 977.50	24.013	28.509
2	QPSK	1 932.50	4.5046	1 977.50	24.057	28.562
	16QAM	1 932.50	4.4829	1 977.50	24.234	28.717
	64QAM	1 932.50	4.5009	1 977.50	24.085	28.586
	256QAM	1 932.50	4.4929	1 977.50	24.022	28.515
3	QPSK	1 932.50	4.4928	1 977.50	24.030	28.523
	16QAM	1 932.50	4.4759	1 977.50	24.097	28.573
	64QAM	1 932.50	4.4940	1 977.50	24.062	28.556
	256QAM	1 932.50	4.4943	1 977.50	24.063	28.557

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

Ant	Mod	DSS B2 20 MHz + LTE B2 5 MHz		LTE B2 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 942.50	24.064	1 987.50	4.4981	28.562
	16QAM	1 942.50	24.027	1 987.50	4.4733	28.500
	64QAM	1 942.50	24.126	1 987.50	4.5035	28.629
	256QAM	1 942.50	24.083	1 987.50	4.4996	28.583
1	QPSK	1 942.50	23.959	1 987.50	4.5021	28.461
	16QAM	1 942.50	24.033	1 987.50	4.4938	28.526
	64QAM	1 942.50	24.050	1 987.50	4.4984	28.548
	256QAM	1 942.50	24.043	1 987.50	4.4985	28.542
2	QPSK	1 942.50	24.038	1 987.50	4.4998	28.538
	16QAM	1 942.50	23.953	1 987.50	4.4797	28.433
	64QAM	1 942.50	24.006	1 987.50	4.4973	28.503
	256QAM	1 942.50	23.955	1 987.50	4.5017	28.456
3	QPSK	1 942.50	24.073	1 987.50	4.5039	28.577
	16QAM	1 942.50	23.993	1 987.50	4.4886	28.482
	64QAM	1 942.50	24.050	1 987.50	4.5013	28.551
	256QAM	1 942.50	24.004	1 987.50	4.4946	28.499

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

Ant	Mod	DSS B2 10 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	4.4849	1 982.50	14.287	18.772
	16QAM	1 932.50	4.5085	1 982.50	14.238	18.747
	64QAM	1 932.50	4.4813	1 982.50	14.284	18.766
	256QAM	1 932.50	4.4816	1 982.50	14.255	18.737
1	QPSK	1 932.50	4.4723	1 982.50	14.183	18.656
	16QAM	1 932.50	4.4941	1 982.50	14.205	18.699
	64QAM	1 932.50	4.4786	1 982.50	14.269	18.748
	256QAM	1 932.50	4.4782	1 982.50	14.217	18.695
2	QPSK	1 932.50	4.4806	1 982.50	14.324	18.804
	16QAM	1 932.50	4.5049	1 982.50	14.194	18.699
	64QAM	1 932.50	4.4849	1 982.50	14.260	18.744
	256QAM	1 932.50	4.4796	1 982.50	14.300	18.779
3	QPSK	1 932.50	4.4847	1 982.50	14.338	18.823
	16QAM	1 932.50	4.4960	1 982.50	14.191	18.687
	64QAM	1 932.50	4.4804	1 982.50	14.251	18.732
	256QAM	1 932.50	4.4808	1 982.50	14.296	18.776

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

Ant	Mod	DSS B2 10 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	1 937.50	14.145	1 987.50	4.4728	18.618
	16QAM	1 937.50	14.249	1 987.50	4.4921	18.741
	64QAM	1 937.50	14.165	1 987.50	4.4834	18.649
	256QAM	1 937.50	14.185	1 987.50	4.4708	18.656
1	QPSK	1 937.50	14.129	1 987.50	4.4699	18.599
	16QAM	1 937.50	14.285	1 987.50	4.4976	18.782
	64QAM	1 937.50	14.149	1 987.50	4.4738	18.623
	256QAM	1 937.50	14.212	1 987.50	4.4696	18.682
2	QPSK	1 937.50	14.177	1 987.50	4.4794	18.657
	16QAM	1 937.50	14.244	1 987.50	4.4897	18.734
	64QAM	1 937.50	14.148	1 987.50	4.4756	18.624
	256QAM	1 937.50	14.187	1 987.50	4.4671	18.654
3	QPSK	1 937.50	14.175	1 987.50	4.4663	18.641
	16QAM	1 937.50	14.242	1 987.50	4.4960	18.738
	64QAM	1 937.50	14.147	1 987.50	4.4743	18.621
	256QAM	1 937.50	14.133	1 987.50	4.4751	18.609

(4 Port) DSS B2 10 MHz 1 Carrer + 5G NR n2 5 MHz 1 Carrier + 5G NR n2 15 MHz 1 Carrer [3 Carrier][1C+2C]

Ant	Mod	DSS B2 10 MHz		5G NR n2 5 MHz + 5G NR n2 15 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 935.00	9.2652	1 980.00	19.238	28.503
	16QAM	1 935.00	9.1151	1 980.00	19.310	28.425
	64QAM	1 935.00	9.2507	1 980.00	19.282	28.533
	256QAM	1 935.00	9.2157	1 980.00	19.264	28.480
1	QPSK	1 935.00	9.2312	1 980.00	19.238	28.469
	16QAM	1 935.00	9.0679	1 980.00	19.302	28.370
	64QAM	1 935.00	9.1987	1 980.00	19.209	28.408
	256QAM	1 935.00	9.1574	1 980.00	19.233	28.391
2	QPSK	1 935.00	9.1615	1 980.00	19.245	28.407
	16QAM	1 935.00	9.1366	1 980.00	19.291	28.427
	64QAM	1 935.00	9.1889	1 980.00	19.259	28.448
	256QAM	1 935.00	9.1359	1 980.00	19.256	28.392
3	QPSK	1 935.00	9.1453	1 980.00	19.224	28.369
	16QAM	1 935.00	9.0658	1 980.00	19.341	28.407
	64QAM	1 935.00	9.2134	1 980.00	19.228	28.442
	256QAM	1 935.00	9.2043	1 980.00	19.252	28.456

(4 Port) DSS B2 10 MHz 1 Carrer + 5G NR n2 5 MHz 1 Carrier + 5G NR n2 15 MHz 1 Carrer [3 Carrier][2C+1C]

Ant	Mod	DSS B2 10 MHz + 5G NR n2 5 MHz		5G NR n2 15 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 940.00	19.237	1 985.00	9.2027	28.439
	16QAM	1 940.00	19.298	1 985.00	9.1590	28.457
	64QAM	1 940.00	19.243	1 985.00	9.1654	28.408
	256QAM	1 940.00	19.245	1 985.00	9.1996	28.445
1	QPSK	1 940.00	19.231	1 985.00	9.1506	28.382
	16QAM	1 940.00	19.280	1 985.00	9.1047	28.384
	64QAM	1 940.00	19.224	1 985.00	9.2216	28.445
	256QAM	1 940.00	19.237	1 985.00	9.2440	28.481
2	QPSK	1 940.00	19.238	1 985.00	9.2201	28.458
	16QAM	1 940.00	19.281	1 985.00	9.1137	28.395
	64QAM	1 940.00	19.233	1 985.00	9.1716	28.405
	256QAM	1 940.00	19.222	1 985.00	9.2087	28.431
3	QPSK	1 940.00	19.211	1 985.00	9.2576	28.469
	16QAM	1 940.00	19.229	1 985.00	9.0829	28.312
	64QAM	1 940.00	19.214	1 985.00	9.2123	28.426
	256QAM	1 940.00	19.219	1 985.00	9.2201	28.439

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

Ant	Mod	DSS B2 10 MHz		5G NR n2 5 MHz + LTE B2 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 932.50	4.4770	1 982.50	14.283	18.760
	16QAM	1 932.50	4.4957	1 982.50	14.248	18.743
	64QAM	1 932.50	4.4790	1 982.50	14.273	18.752
	256QAM	1 932.50	4.4735	1 982.50	14.257	18.731
1	QPSK	1 932.50	4.4708	1 982.50	14.358	18.829
	16QAM	1 932.50	4.4910	1 982.50	14.220	18.711
	64QAM	1 932.50	4.4812	1 982.50	14.236	18.717
	256QAM	1 932.50	4.4873	1 982.50	14.334	18.821
2	QPSK	1 932.50	4.4769	1 982.50	14.333	18.809
	16QAM	1 932.50	4.5054	1 982.50	14.199	18.704
	64QAM	1 932.50	4.4747	1 982.50	14.256	18.730
	256QAM	1 932.50	4.4725	1 982.50	14.247	18.719
3	QPSK	1 932.50	4.4737	1 982.50	14.350	18.824
	16QAM	1 932.50	4.4847	1 982.50	14.229	18.714
	64QAM	1 932.50	4.4762	1 982.50	14.307	18.783
	256QAM	1 932.50	4.4817	1 982.50	14.261	18.743

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

Ant	Mod	DSS B2 10 MHz + 5G NR n2 5 MHz		LTE B2 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 937.50	14.269	1 987.50	4.4746	18.744
	16QAM	1 937.50	14.221	1 987.50	4.4920	18.713
	64QAM	1 937.50	14.268	1 987.50	4.4779	18.745
	256QAM	1 937.50	14.231	1 987.50	4.4700	18.701
1	QPSK	1 937.50	14.253	1 987.50	4.4764	18.729
	16QAM	1 937.50	14.294	1 987.50	4.4864	18.780
	64QAM	1 937.50	14.318	1 987.50	4.4768	18.794
	256QAM	1 937.50	14.263	1 987.50	4.4780	18.741
2	QPSK	1 937.50	14.270	1 987.50	4.4789	18.749
	16QAM	1 937.50	14.182	1 987.50	4.4947	18.676
	64QAM	1 937.50	14.255	1 987.50	4.4732	18.729
	256QAM	1 937.50	14.220	1 987.50	4.4726	18.693
3	QPSK	1 937.50	14.262	1 987.50	4.4784	18.740
	16QAM	1 937.50	14.182	1 987.50	4.4951	18.677
	64QAM	1 937.50	14.307	1 987.50	4.4771	18.784
	256QAM	1 937.50	14.277	1 987.50	4.4778	18.754

(4 Port) DSS B2 10 MHz 1 Carrier + 5G NR n2 15 MHz 1 Carrier + LTE B2 5 MHz 1 Carrer [3 Carrier][1C+2C]

Ant	Mod	DSS B2 10 MHz		5G NR n2 15 MHz + LTE B2 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 935.00	9.2258	1 980.00	19.220	28.446
	16QAM	1 935.00	9.1556	1 980.00	19.276	28.432
	64QAM	1 935.00	9.1386	1 980.00	19.263	28.402
	256QAM	1 935.00	9.1832	1 980.00	19.214	28.397
1	QPSK	1 935.00	9.1990	1 980.00	19.247	28.446
	16QAM	1 935.00	9.1898	1 980.00	19.253	28.442
	64QAM	1 935.00	9.2529	1 980.00	19.247	28.500
	256QAM	1 935.00	9.2186	1 980.00	19.210	28.429
2	QPSK	1 935.00	9.1978	1 980.00	19.285	28.483
	16QAM	1 935.00	9.1508	1 980.00	19.243	28.394
	64QAM	1 935.00	9.1901	1 980.00	19.258	28.448
	256QAM	1 935.00	9.2357	1 980.00	19.259	28.495
3	QPSK	1 935.00	9.2410	1 980.00	19.255	28.496
	16QAM	1 935.00	9.2373	1 980.00	19.270	28.507
	64QAM	1 935.00	9.2163	1 980.00	19.234	28.451
	256QAM	1 935.00	9.2360	1 980.00	19.258	28.494

(4 Port) DSS B2 10 MHz 1 Carrier + 5G NR n2 15 MHz 1 Carrier + LTE B2 5 MHz 1 Carrer [3 Carrier][2C+1C]

Ant	Mod	DSS B2 10 MHz + 5G NR n2 15 MHz		LTE B2 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	1 940.00	19.296	1 985.00	9.2053	28.501
	16QAM	1 940.00	19.236	1 985.00	9.1102	28.346
	64QAM	1 940.00	19.251	1 985.00	9.2730	28.524
	256QAM	1 940.00	19.253	1 985.00	9.2714	28.524
1	QPSK	1 940.00	19.246	1 985.00	9.2361	28.482
	16QAM	1 940.00	19.266	1 985.00	9.1040	28.370
	64QAM	1 940.00	19.199	1 985.00	9.1960	28.395
	256QAM	1 940.00	19.270	1 985.00	9.2612	28.531
2	QPSK	1 940.00	19.249	1 985.00	9.2046	28.454
	16QAM	1 940.00	19.248	1 985.00	9.1055	28.354
	64QAM	1 940.00	19.243	1 985.00	9.1472	28.390
	256QAM	1 940.00	19.236	1 985.00	9.1892	28.425
3	QPSK	1 940.00	19.271	1 985.00	9.2340	28.505
	16QAM	1 940.00	19.225	1 985.00	9.0204	28.245
	64QAM	1 940.00	19.266	1 985.00	9.2219	28.488
	256QAM	1 940.00	19.265	1 985.00	9.2152	28.480

(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	9.1847	1 980.00	19.004	28.189
	16QAM	1 935.00	9.1005	1 980.00	18.994	28.094
	64QAM	1 935.00	9.1970	1 980.00	19.116	28.313
	256QAM	1 935.00	9.1943	1 980.00	19.057	28.251
1	QPSK	1 935.00	9.2125	1 980.00	19.079	28.292
	16QAM	1 935.00	9.1233	1 980.00	18.956	28.080
	64QAM	1 935.00	9.1878	1 980.00	19.091	28.279
	256QAM	1 935.00	9.1943	1 980.00	19.017	28.211
2	QPSK	1 935.00	9.2176	1 980.00	19.150	28.367
	16QAM	1 935.00	9.1502	1 980.00	19.008	28.158
	64QAM	1 935.00	9.2446	1 980.00	19.049	28.293
	256QAM	1 935.00	9.2679	1 980.00	19.040	28.308
3	QPSK	1 935.00	9.2036	1 980.00	19.108	28.312
	16QAM	1 935.00	9.1072	1 980.00	18.997	28.105
	64QAM	1 935.00	9.1507	1 980.00	19.029	28.180
	256QAM	1 935.00	9.1957	1 980.00	19.124	28.320

(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	19.079	1 985.00	9.2165	28.296
	16QAM	1 940.00	18.936	1 985.00	9.1007	28.036
	64QAM	1 940.00	19.087	1 985.00	9.2171	28.304
	256QAM	1 940.00	19.051	1 985.00	9.2084	28.259
1	QPSK	1 940.00	19.047	1 985.00	9.1979	28.245
	16QAM	1 940.00	19.000	1 985.00	9.0926	28.093
	64QAM	1 940.00	19.052	1 985.00	9.1992	28.251
	256QAM	1 940.00	19.059	1 985.00	9.1554	28.214
2	QPSK	1 940.00	19.096	1 985.00	9.1785	28.275
	16QAM	1 940.00	18.944	1 985.00	9.0975	28.041
	64QAM	1 940.00	19.006	1 985.00	9.1430	28.149
	256QAM	1 940.00	19.063	1 985.00	9.2195	28.282
3	QPSK	1 940.00	19.087	1 985.00	9.1928	28.280
	16QAM	1 940.00	19.015	1 985.00	9.1105	28.126
	64QAM	1 940.00	19.031	1 985.00	9.2062	28.237
	256QAM	1 940.00	19.044	1 985.00	9.2020	28.246

(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	4.4636	2 175.00	9.4486	13.912
	16QAM	2 112.50	4.4798	2 175.00	9.4754	13.955
	64QAM	2 112.50	4.4706	2 175.00	9.4420	13.913
	256QAM	2 112.50	4.4512	2 175.00	9.4670	13.918
1	QPSK	2 112.50	4.4642	2 175.00	9.4824	13.947
	16QAM	2 112.50	4.4893	2 175.00	9.4744	13.964
	64QAM	2 112.50	4.4599	2 175.00	9.4561	13.916
	256QAM	2 112.50	4.4711	2 175.00	9.4403	13.911
2	QPSK	2 112.50	4.4638	2 175.00	9.4406	13.904
	16QAM	2 112.50	4.4872	2 175.00	9.4837	13.971
	64QAM	2 112.50	4.4710	2 175.00	9.4511	13.922
	256QAM	2 112.50	4.4694	2 175.00	9.4407	13.910
3	QPSK	2 112.50	4.4623	2 175.00	9.4403	13.903
	16QAM	2 112.50	4.4846	2 175.00	9.4960	13.981
	64QAM	2 112.50	4.4672	2 175.00	9.4564	13.924
	256QAM	2 112.50	4.4684	2 175.00	9.4655	13.934

(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	9.4297	2 177.50	4.4783	13.908
	16QAM	2 115.00	9.4540	2 177.50	4.4921	13.946
	64QAM	2 115.00	9.4196	2 177.50	4.4750	13.895
	256QAM	2 115.00	9.4190	2 177.50	4.4743	13.893
1	QPSK	2 115.00	9.4138	2 177.50	4.4836	13.897
	16QAM	2 115.00	9.4625	2 177.50	4.4982	13.961
	64QAM	2 115.00	9.4143	2 177.50	4.4794	13.894
	256QAM	2 115.00	9.4200	2 177.50	4.4813	13.901
2	QPSK	2 115.00	9.4300	2 177.50	4.4769	13.907
	16QAM	2 115.00	9.4436	2 177.50	4.4894	13.933
	64QAM	2 115.00	9.4411	2 177.50	4.4838	13.925
	256QAM	2 115.00	9.4074	2 177.50	4.4699	13.877
3	QPSK	2 115.00	9.4074	2 177.50	4.4906	13.898
	16QAM	2 115.00	9.4777	2 177.50	4.4980	13.976
	64QAM	2 115.00	9.4118	2 177.50	4.4815	13.893
	256QAM	2 115.00	9.3972	2 177.50	4.4814	13.879

(4 Port) 5G NR n66 5 MHz 1 Carrier + 5G NR n66 15 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [3 Carrier] [1C+2C]

Ant	Mod	5G NR n66 5 MHz		5G NR n66 15 MHz + 5G NR n66 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 112.50	4.4648	2 162.50	33.933	38.398
	16QAM	2 112.50	4.4923	2 162.50	34.029	38.521
	64QAM	2 112.50	4.4657	2 162.50	33.900	38.365
	256QAM	2 112.50	4.4618	2 162.50	33.908	38.370
1	QPSK	2 112.50	4.4730	2 162.50	33.936	38.409
	16QAM	2 112.50	4.4784	2 162.50	34.055	38.533
	64QAM	2 112.50	4.4744	2 162.50	33.946	38.420
	256QAM	2 112.50	4.4578	2 162.50	33.890	38.348
2	QPSK	2 112.50	4.4654	2 162.50	33.932	38.397
	16QAM	2 112.50	4.4884	2 162.50	34.044	38.532
	64QAM	2 112.50	4.4698	2 162.50	33.993	38.462
	256QAM	2 112.50	4.4760	2 162.50	33.915	38.391
3	QPSK	2 112.50	4.4708	2 162.50	33.893	38.364
	16QAM	2 112.50	4.4791	2 162.50	34.033	38.512
	64QAM	2 112.50	4.4677	2 162.50	33.943	38.410
	256QAM	2 112.50	4.4642	2 162.50	33.900	38.364

(4 Port) 5G NR n66 5 MHz 1 Carrier + 5G NR n66 15 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [3 Carrier] [2C+1C]

Ant	Mod	5G NR n66 5 MHz + 5G NR n66 15 MHz		5G NR n66 20 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 120.00	19.211	2 170.00	18.946	38.158
	16QAM	2 120.00	19.264	2 170.00	19.006	38.269
	64QAM	2 120.00	19.196	2 170.00	18.953	38.150
	256QAM	2 120.00	19.201	2 170.00	18.891	38.093
1	QPSK	2 120.00	19.211	2 170.00	18.936	38.147
	16QAM	2 120.00	19.262	2 170.00	19.018	38.280
	64QAM	2 120.00	19.211	2 170.00	18.971	38.182
	256QAM	2 120.00	19.198	2 170.00	18.919	38.117
2	QPSK	2 120.00	19.254	2 170.00	18.965	38.219
	16QAM	2 120.00	19.217	2 170.00	19.023	38.240
	64QAM	2 120.00	19.278	2 170.00	18.980	38.257
	256QAM	2 120.00	19.237	2 170.00	18.930	38.167
3	QPSK	2 120.00	19.175	2 170.00	18.935	38.110
	16QAM	2 120.00	19.307	2 170.00	19.005	38.312
	64QAM	2 120.00	19.213	2 170.00	18.935	38.147
	256QAM	2 120.00	19.203	2 170.00	18.914	38.118

(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	4.4598	2 172.50	14.293	18.752
	16QAM	2 112.50	4.4750	2 172.50	14.214	18.689
	64QAM	2 112.50	4.4741	2 172.50	14.287	18.761
	256QAM	2 112.50	4.4691	2 172.50	14.260	18.729
1	QPSK	2 112.50	4.4644	2 172.50	14.231	18.695
	16QAM	2 112.50	4.4763	2 172.50	14.200	18.677
	64QAM	2 112.50	4.4647	2 172.50	14.254	18.719
	256QAM	2 112.50	4.4612	2 172.50	14.316	18.777
2	QPSK	2 112.50	4.4642	2 172.50	14.269	18.733
	16QAM	2 112.50	4.4788	2 172.50	14.204	18.682
	64QAM	2 112.50	4.4630	2 172.50	14.278	18.741
	256QAM	2 112.50	4.4686	2 172.50	14.258	18.726
3	QPSK	2 112.50	4.4588	2 172.50	14.229	18.688
	16QAM	2 112.50	4.4743	2 172.50	14.201	18.675
	64QAM	2 112.50	4.4692	2 172.50	14.321	18.791
	256QAM	2 112.50	4.4758	2 172.50	14.310	18.786

(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	9.4157	2 175.00	9.1507	18.566
	16QAM	2 115.00	9.4627	2 175.00	9.0092	18.472
	64QAM	2 115.00	9.4110	2 175.00	9.2103	18.621
	256QAM	2 115.00	9.4141	2 175.00	9.2120	18.626
1	QPSK	2 115.00	9.4342	2 175.00	9.2100	18.644
	16QAM	2 115.00	9.4679	2 175.00	8.9710	18.439
	64QAM	2 115.00	9.4204	2 175.00	9.1887	18.609
	256QAM	2 115.00	9.4306	2 175.00	9.2395	18.670
2	QPSK	2 115.00	9.4107	2 175.00	9.1893	18.600
	16QAM	2 115.00	9.4424	2 175.00	8.9804	18.423
	64QAM	2 115.00	9.4187	2 175.00	9.1198	18.539
	256QAM	2 115.00	9.4393	2 175.00	9.1766	18.616
3	QPSK	2 115.00	9.4250	2 175.00	9.2507	18.676
	16QAM	2 115.00	9.4458	2 175.00	8.9884	18.434
	64QAM	2 115.00	9.4064	2 175.00	9.2028	18.609
	256QAM	2 115.00	9.4482	2 175.00	9.1272	18.575

(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	9.1168	2 165.00	29.013	38.130
	16QAM	2 115.00	9.1249	2 165.00	29.139	38.264
	64QAM	2 115.00	9.1908	2 165.00	29.044	38.234
	256QAM	2 115.00	9.1070	2 165.00	29.084	38.191
1	QPSK	2 115.00	9.1924	2 165.00	29.028	38.220
	16QAM	2 115.00	9.0772	2 165.00	29.135	38.213
	64QAM	2 115.00	9.1524	2 165.00	29.025	38.177
	256QAM	2 115.00	9.1301	2 165.00	28.976	38.106
2	QPSK	2 115.00	9.1730	2 165.00	29.049	38.222
	16QAM	2 115.00	9.1086	2 165.00	29.178	38.286
	64QAM	2 115.00	9.1628	2 165.00	29.093	38.256
	256QAM	2 115.00	9.1514	2 165.00	29.047	38.199
3	QPSK	2 115.00	9.0836	2 165.00	29.032	38.115
	16QAM	2 115.00	9.0503	2 165.00	29.103	38.153
	64QAM	2 115.00	9.1823	2 165.00	29.007	38.190
	256QAM	2 115.00	9.2228	2 165.00	29.019	38.242

(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	19.070	2 170.00	18.904	37.973
	16QAM	2 120.00	18.988	2 170.00	19.057	38.045
	64QAM	2 120.00	19.091	2 170.00	18.952	38.043
	256QAM	2 120.00	19.084	2 170.00	18.980	38.064
1	QPSK	2 120.00	19.092	2 170.00	18.950	38.043
	16QAM	2 120.00	19.011	2 170.00	19.064	38.074
	64QAM	2 120.00	19.143	2 170.00	18.951	38.095
	256QAM	2 120.00	19.144	2 170.00	18.930	38.074
2	QPSK	2 120.00	19.126	2 170.00	18.964	38.090
	16QAM	2 120.00	19.057	2 170.00	19.040	38.097
	64QAM	2 120.00	19.071	2 170.00	18.982	38.053
	256QAM	2 120.00	19.075	2 170.00	18.979	38.053
3	QPSK	2 120.00	19.095	2 170.00	18.958	38.052
	16QAM	2 120.00	18.906	2 170.00	19.011	37.917
	64QAM	2 120.00	19.130	2 170.00	18.942	38.072
	256QAM	2 120.00	19.141	2 170.00	18.932	38.074

(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	8.9642	2 170.00	18.967	27.931
	16QAM	2 115.00	8.9799	2 170.00	18.936	27.916
	64QAM	2 115.00	8.9813	2 170.00	19.092	28.074
	256QAM	2 115.00	8.9520	2 170.00	19.035	27.987
1	QPSK	2 115.00	8.9664	2 170.00	18.959	27.925
	16QAM	2 115.00	9.0107	2 170.00	18.974	27.985
	64QAM	2 115.00	8.9546	2 170.00	18.989	27.943
	256QAM	2 115.00	8.9563	2 170.00	18.972	27.928
2	QPSK	2 115.00	8.9578	2 170.00	19.095	28.053
	16QAM	2 115.00	8.9823	2 170.00	18.983	27.965
	64QAM	2 115.00	8.9933	2 170.00	18.938	27.932
	256QAM	2 115.00	8.9475	2 170.00	19.020	27.967
3	QPSK	2 115.00	8.9602	2 170.00	19.016	27.977
	16QAM	2 115.00	8.9599	2 170.00	18.945	27.904
	64QAM	2 115.00	8.9661	2 170.00	18.935	27.901
	256QAM	2 115.00	8.9545	2 170.00	19.004	27.958

(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	18.974	2 175.00	8.9972	27.971
	16QAM	2 120.00	18.893	2 175.00	9.0100	27.903
	64QAM	2 120.00	19.016	2 175.00	8.9819	27.998
	256QAM	2 120.00	18.916	2 175.00	8.9673	27.883
1	QPSK	2 120.00	18.984	2 175.00	8.9910	27.975
	16QAM	2 120.00	18.856	2 175.00	9.0389	27.895
	64QAM	2 120.00	19.006	2 175.00	9.0176	28.023
	256QAM	2 120.00	18.943	2 175.00	8.9931	27.937
2	QPSK	2 120.00	19.008	2 175.00	8.9777	27.986
	16QAM	2 120.00	18.854	2 175.00	8.9815	27.835
	64QAM	2 120.00	18.902	2 175.00	8.9945	27.896
	256QAM	2 120.00	18.993	2 175.00	8.9943	27.987
3	QPSK	2 120.00	18.940	2 175.00	8.9727	27.913
	16QAM	2 120.00	18.902	2 175.00	8.9942	27.896
	64QAM	2 120.00	18.990	2 175.00	8.9921	27.982
	256QAM	2 120.00	18.935	2 175.00	9.0177	27.953

(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	9.2048	2 165.00	28.799	38.004
	16QAM	2 115.00	8.9633	2 165.00	28.940	37.903
	64QAM	2 115.00	9.1913	2 165.00	28.741	37.933
	256QAM	2 115.00	9.1259	2 165.00	28.851	37.977
1	QPSK	2 115.00	9.2000	2 165.00	28.825	38.025
	16QAM	2 115.00	8.9781	2 165.00	28.804	37.782
	64QAM	2 115.00	9.1019	2 165.00	28.826	37.928
	256QAM	2 115.00	9.1805	2 165.00	28.790	37.971
2	QPSK	2 115.00	9.1861	2 165.00	28.787	37.973
	16QAM	2 115.00	8.9581	2 165.00	28.929	37.887
	64QAM	2 115.00	9.1746	2 165.00	28.749	37.923
	256QAM	2 115.00	9.1617	2 165.00	28.784	37.945
3	QPSK	2 115.00	9.2267	2 165.00	28.736	37.963
	16QAM	2 115.00	8.9727	2 165.00	28.912	37.884
	64QAM	2 115.00	9.1404	2 165.00	28.796	37.936
	256QAM	2 115.00	9.1279	2 165.00	28.810	37.938

(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	19.045	2 170.00	18.689	37.735
	16QAM	2 120.00	18.890	2 170.00	18.778	37.668
	64QAM	2 120.00	19.003	2 170.00	18.841	37.844
	256QAM	2 120.00	19.097	2 170.00	18.671	37.768
1	QPSK	2 120.00	19.092	2 170.00	18.682	37.774
	16QAM	2 120.00	18.939	2 170.00	18.865	37.804
	64QAM	2 120.00	18.995	2 170.00	18.790	37.785
	256QAM	2 120.00	19.079	2 170.00	18.821	37.900
2	QPSK	2 120.00	19.006	2 170.00	18.696	37.703
	16QAM	2 120.00	18.958	2 170.00	18.857	37.815
	64QAM	2 120.00	19.073	2 170.00	18.732	37.806
	256QAM	2 120.00	19.062	2 170.00	18.833	37.895
3	QPSK	2 120.00	19.049	2 170.00	18.770	37.820
	16QAM	2 120.00	18.933	2 170.00	18.865	37.798
	64QAM	2 120.00	19.061	2 170.00	18.804	37.865
	256QAM	2 120.00	18.981	2 170.00	18.738	37.720

(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	4.4597	2 172.50	14.436	18.896
	16QAM	2 112.50	4.4829	2 172.50	14.461	18.943
	64QAM	2 112.50	4.4639	2 172.50	14.426	18.890
	256QAM	2 112.50	4.4864	2 172.50	14.470	18.956
1	QPSK	2 112.50	4.4654	2 172.50	14.461	18.926
	16QAM	2 112.50	4.4813	2 172.50	14.421	18.902
	64QAM	2 112.50	4.4631	2 172.50	14.465	18.928
	256QAM	2 112.50	4.4621	2 172.50	14.440	18.902
2	QPSK	2 112.50	4.4644	2 172.50	14.417	18.881
	16QAM	2 112.50	4.4921	2 172.50	14.422	18.914
	64QAM	2 112.50	4.4733	2 172.50	14.439	18.912
	256QAM	2 112.50	4.4644	2 172.50	14.406	18.870
3	QPSK	2 112.50	4.4611	2 172.50	14.454	18.915
	16QAM	2 112.50	4.4846	2 172.50	14.384	18.868
	64QAM	2 112.50	4.4699	2 172.50	14.474	18.944
	256QAM	2 112.50	4.4708	2 172.50	14.469	18.940

(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	14.413	2 177.50	4.4898	18.903
	16QAM	2 117.50	14.433	2 177.50	4.4830	18.916
	64QAM	2 117.50	14.375	2 177.50	4.4952	18.870
	256QAM	2 117.50	14.370	2 177.50	4.4973	18.868
1	QPSK	2 117.50	14.365	2 177.50	4.4952	18.860
	16QAM	2 117.50	14.452	2 177.50	4.4872	18.939
	64QAM	2 117.50	14.358	2 177.50	4.4999	18.858
	256QAM	2 117.50	14.335	2 177.50	4.4954	18.831
2	QPSK	2 117.50	14.379	2 177.50	4.4855	18.865
	16QAM	2 117.50	14.380	2 177.50	4.4885	18.868
	64QAM	2 117.50	14.376	2 177.50	4.4892	18.865
	256QAM	2 117.50	14.397	2 177.50	4.4966	18.894
3	QPSK	2 117.50	14.397	2 177.50	4.4901	18.887
	16QAM	2 117.50	14.418	2 177.50	4.4861	18.904
	64QAM	2 117.50	14.391	2 177.50	4.4945	18.886
	256QAM	2 117.50	14.379	2 177.50	4.4865	18.865

(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	4.4784	2 162.50	34.068	38.546
	16QAM	2 112.50	4.4651	2 162.50	34.231	38.696
	64QAM	2 112.50	4.4769	2 162.50	34.068	38.545
	256QAM	2 112.50	4.4754	2 162.50	34.085	38.561
1	QPSK	2 112.50	4.4690	2 162.50	34.086	38.555
	16QAM	2 112.50	4.4625	2 162.50	34.185	38.648
	64QAM	2 112.50	4.4800	2 162.50	34.069	38.549
	256QAM	2 112.50	4.4872	2 162.50	34.030	38.518
2	QPSK	2 112.50	4.4874	2 162.50	34.103	38.590
	16QAM	2 112.50	4.4690	2 162.50	34.221	38.690
	64QAM	2 112.50	4.4833	2 162.50	34.055	38.538
	256QAM	2 112.50	4.4920	2 162.50	34.049	38.541
3	QPSK	2 112.50	4.4799	2 162.50	34.099	38.579
	16QAM	2 112.50	4.4706	2 162.50	34.171	38.641
	64QAM	2 112.50	4.4823	2 162.50	34.102	38.585
	256QAM	2 112.50	4.4775	2 162.50	34.015	38.493

(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	19.257	2 170.00	18.912	38.169
	16QAM	2 120.00	19.098	2 170.00	19.051	38.149
	64QAM	2 120.00	19.258	2 170.00	18.942	38.200
	256QAM	2 120.00	19.283	2 170.00	18.918	38.202
1	QPSK	2 120.00	19.290	2 170.00	18.922	38.212
	16QAM	2 120.00	19.164	2 170.00	19.039	38.203
	64QAM	2 120.00	19.231	2 170.00	18.931	38.163
	256QAM	2 120.00	19.277	2 170.00	18.949	38.225
2	QPSK	2 120.00	19.264	2 170.00	19.016	38.280
	16QAM	2 120.00	19.174	2 170.00	19.043	38.217
	64QAM	2 120.00	19.256	2 170.00	18.982	38.238
	256QAM	2 120.00	19.274	2 170.00	18.938	38.212
3	QPSK	2 120.00	19.261	2 170.00	18.958	38.219
	16QAM	2 120.00	19.221	2 170.00	19.064	38.284
	64QAM	2 120.00	19.269	2 170.00	18.958	38.227
	256QAM	2 120.00	19.240	2 170.00	18.985	38.225

(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	4.4794	2 170.00	19.239	23.718
	16QAM	2 112.50	4.4634	2 170.00	19.154	23.617
	64QAM	2 112.50	4.4850	2 170.00	19.202	23.687
	256QAM	2 112.50	4.4846	2 170.00	19.201	23.686
1	QPSK	2 112.50	4.4777	2 170.00	19.227	23.705
	16QAM	2 112.50	4.4703	2 170.00	19.174	23.644
	64QAM	2 112.50	4.4783	2 170.00	19.195	23.673
	256QAM	2 112.50	4.4856	2 170.00	19.191	23.677
2	QPSK	2 112.50	4.4860	2 170.00	19.226	23.712
	16QAM	2 112.50	4.4754	2 170.00	19.178	23.653
	64QAM	2 112.50	4.4824	2 170.00	19.266	23.749
	256QAM	2 112.50	4.4861	2 170.00	19.221	23.707
3	QPSK	2 112.50	4.4708	2 170.00	19.222	23.693
	16QAM	2 112.50	4.4732	2 170.00	19.175	23.648
	64QAM	2 112.50	4.4784	2 170.00	19.254	23.733
	256QAM	2 112.50	4.4810	2 170.00	19.230	23.712

(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	14.368	2 175.00	9.1790	23.547
	16QAM	2 117.50	14.425	2 175.00	9.1070	23.532
	64QAM	2 117.50	14.371	2 175.00	9.1597	23.531
	256QAM	2 117.50	14.374	2 175.00	9.2364	23.610
1	QPSK	2 117.50	14.388	2 175.00	9.2350	23.623
	16QAM	2 117.50	14.463	2 175.00	9.1111	23.574
	64QAM	2 117.50	14.404	2 175.00	9.2316	23.636
	256QAM	2 117.50	14.368	2 175.00	9.2380	23.606
2	QPSK	2 117.50	14.385	2 175.00	9.2485	23.633
	16QAM	2 117.50	14.443	2 175.00	9.0850	23.528
	64QAM	2 117.50	14.384	2 175.00	9.1974	23.581
	256QAM	2 117.50	14.396	2 175.00	9.2505	23.647
3	QPSK	2 117.50	14.404	2 175.00	9.1959	23.600
	16QAM	2 117.50	14.417	2 175.00	9.0832	23.500
	64QAM	2 117.50	14.345	2 175.00	9.2341	23.579
	256QAM	2 117.50	14.364	2 175.00	9.1932	23.557

(4 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + DSS B66 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 + DSS B66 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	4.4730	2 162.50	34.082	38.555
	16QAM	2 112.50	4.4699	2 162.50	34.216	38.686
	64QAM	2 112.50	4.4805	2 162.50	34.117	38.598
	256QAM	2 112.50	4.4722	2 162.50	34.107	38.579
1	QPSK	2 112.50	4.4775	2 162.50	34.102	38.580
	16QAM	2 112.50	4.4744	2 162.50	34.154	38.629
	64QAM	2 112.50	4.4761	2 162.50	34.098	38.574
	256QAM	2 112.50	4.4779	2 162.50	34.129	38.607
2	QPSK	2 112.50	4.4771	2 162.50	34.111	38.588
	16QAM	2 112.50	4.4716	2 162.50	34.141	38.613
	64QAM	2 112.50	4.4816	2 162.50	34.177	38.659
	256QAM	2 112.50	4.4881	2 162.50	34.086	38.574
3	QPSK	2 112.50	4.4753	2 162.50	34.116	38.591
	16QAM	2 112.50	4.4739	2 162.50	34.208	38.682
	64QAM	2 112.50	4.4766	2 162.50	34.083	38.560
	256QAM	2 112.50	4.4855	2 162.50	34.127	38.612

(4 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + DSS B66 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 + DSS B66 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	19.154	2 170.00	18.912	38.066
	16QAM	2 120.00	19.079	2 170.00	19.021	38.101
	64QAM	2 120.00	19.206	2 170.00	18.964	38.170
	256QAM	2 120.00	19.221	2 170.00	18.974	38.195
1	QPSK	2 120.00	19.234	2 170.00	18.989	38.223
	16QAM	2 120.00	19.153	2 170.00	19.021	38.174
	64QAM	2 120.00	19.170	2 170.00	18.971	38.141
	256QAM	2 120.00	19.149	2 170.00	18.961	38.110
2	QPSK	2 120.00	19.246	2 170.00	18.935	38.182
	16QAM	2 120.00	19.164	2 170.00	19.022	38.185
	64QAM	2 120.00	19.218	2 170.00	18.939	38.158
	256QAM	2 120.00	19.186	2 170.00	18.951	38.138
3	QPSK	2 120.00	19.182	2 170.00	18.974	38.156
	16QAM	2 120.00	19.089	2 170.00	19.044	38.133
	64QAM	2 120.00	19.162	2 170.00	18.960	38.121
	256QAM	2 120.00	19.167	2 170.00	18.937	38.104

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

Ant	Mod	DSS B66 5 MHz		LTE B66 5 MHz + LTE B66 5 MHz + LTE B66 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 112.50	4.4783	2 170.00	19.244	23.722
	16QAM	2 112.50	4.4758	2 170.00	19.162	23.638
	64QAM	2 112.50	4.4801	2 170.00	19.222	23.702
	256QAM	2 112.50	4.4883	2 170.00	19.211	23.699
1	QPSK	2 112.50	4.4723	2 170.00	19.225	23.697
	16QAM	2 112.50	4.4762	2 170.00	19.171	23.647
	64QAM	2 112.50	4.4819	2 170.00	19.252	23.734
	256QAM	2 112.50	4.4957	2 170.00	19.258	23.754
2	QPSK	2 112.50	4.4806	2 170.00	19.201	23.682
	16QAM	2 112.50	4.4670	2 170.00	19.202	23.669
	64QAM	2 112.50	4.4827	2 170.00	19.310	23.793
	256QAM	2 112.50	4.4897	2 170.00	19.165	23.655
3	QPSK	2 112.50	4.4753	2 170.00	19.239	23.715
	16QAM	2 112.50	4.4707	2 170.00	19.152	23.623
	64QAM	2 112.50	4.4814	2 170.00	19.207	23.688
	256QAM	2 112.50	4.4852	2 170.00	19.245	23.731

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

Ant	Mod	DSS B66 5 MHz + LTE B66 5 MHz + LTE B66 5 MHz		LTE B66 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 117.50	14.394	2 175.00	9.1502	23.544
	16QAM	2 117.50	14.361	2 175.00	9.1070	23.468
	64QAM	2 117.50	14.420	2 175.00	9.1899	23.610
	256QAM	2 117.50	14.387	2 175.00	9.2777	23.664
1	QPSK	2 117.50	14.411	2 175.00	9.1892	23.600
	16QAM	2 117.50	14.357	2 175.00	9.1004	23.457
	64QAM	2 117.50	14.413	2 175.00	9.1828	23.596
	256QAM	2 117.50	14.410	2 175.00	9.2092	23.620
2	QPSK	2 117.50	14.380	2 175.00	9.1907	23.570
	16QAM	2 117.50	14.349	2 175.00	9.1491	23.498
	64QAM	2 117.50	14.414	2 175.00	9.2593	23.673
	256QAM	2 117.50	14.402	2 175.00	9.1870	23.589
3	QPSK	2 117.50	14.379	2 175.00	9.2044	23.584
	16QAM	2 117.50	14.417	2 175.00	9.0414	23.458
	64QAM	2 117.50	14.429	2 175.00	9.1998	23.629
	256QAM	2 117.50	14.395	2 175.00	9.2732	23.668

(4 Port) LTE B66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 15 MHz 1 Carrier [4 Carrier] [1C+3C]

Ant	Mod	LTE B66 5 MHz		DSS B66 10 MHz + DSS B66 10 MHz + DSS B66 15 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 112.50	4.4858	2 162.50	33.824	38.309
	16QAM	2 112.50	4.4675	2 162.50	33.983	38.450
	64QAM	2 112.50	4.4806	2 162.50	33.837	38.317
	256QAM	2 112.50	4.4843	2 162.50	33.759	38.243
1	QPSK	2 112.50	4.4781	2 162.50	33.809	38.287
	16QAM	2 112.50	4.4789	2 162.50	33.984	38.463
	64QAM	2 112.50	4.4767	2 162.50	33.781	38.257
	256QAM	2 112.50	4.4812	2 162.50	33.740	38.221
2	QPSK	2 112.50	4.4725	2 162.50	33.857	38.329
	16QAM	2 112.50	4.4837	2 162.50	33.959	38.442
	64QAM	2 112.50	4.4777	2 162.50	33.828	38.306
	256QAM	2 112.50	4.4902	2 162.50	33.837	38.327
3	QPSK	2 112.50	4.4795	2 162.50	33.835	38.314
	16QAM	2 112.50	4.4656	2 162.50	33.965	38.431
	64QAM	2 112.50	4.4837	2 162.50	33.785	38.269
	256QAM	2 112.50	4.4840	2 162.50	33.779	38.263

(4 Port) LTE B66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 15 MHz 1 Carrier [4 Carrier] [3C+1C]

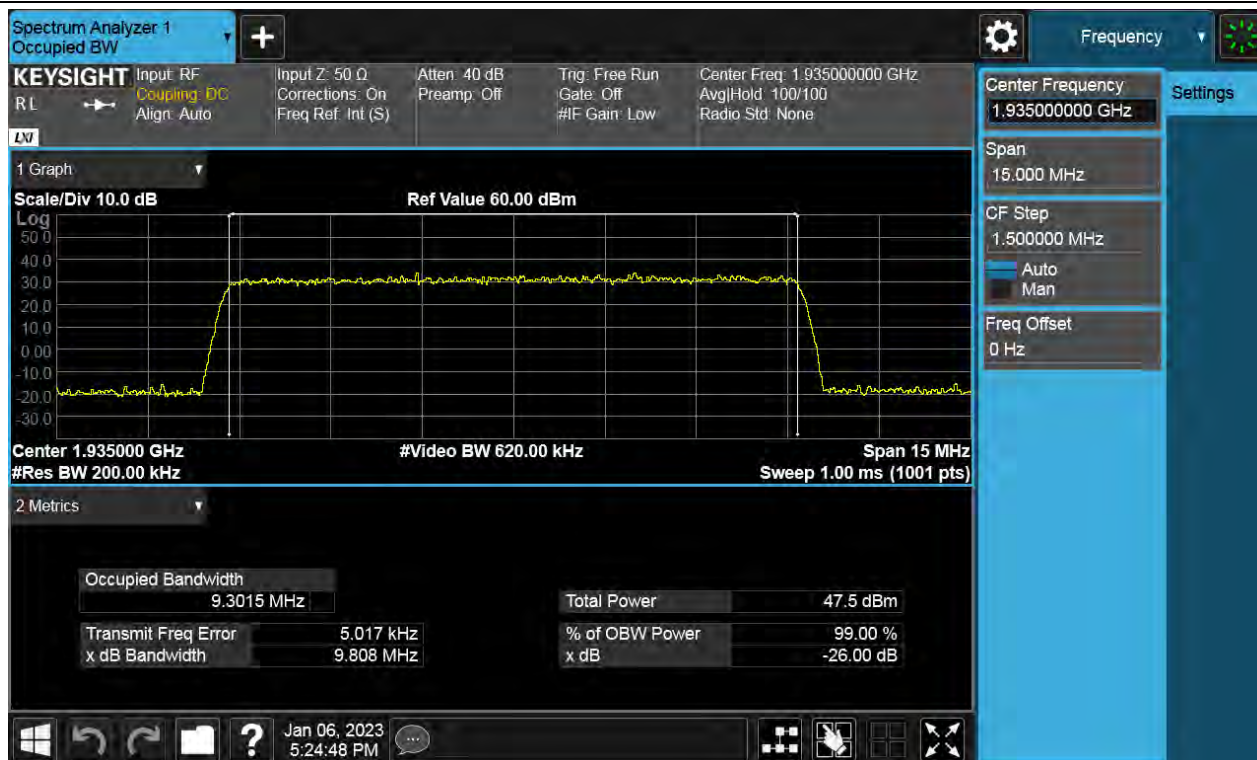
Ant	Mod	LTE B66 5 MHz + DSS B66 10 MHz + DSS B66 10 MHz		DSS B66 15 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	2 122.50	24.115	2 172.50	14.008	38.122
	16QAM	2 122.50	24.110	2 172.50	14.066	38.177
	64QAM	2 122.50	24.108	2 172.50	14.015	38.123
	256QAM	2 122.50	24.162	2 172.50	14.014	38.177
1	QPSK	2 122.50	24.140	2 172.50	13.944	38.084
	16QAM	2 122.50	24.049	2 172.50	14.034	38.083
	64QAM	2 122.50	24.175	2 172.50	13.953	38.128
	256QAM	2 122.50	24.175	2 172.50	13.982	38.157
2	QPSK	2 122.50	24.160	2 172.50	14.026	38.186
	16QAM	2 122.50	24.101	2 172.50	14.071	38.173
	64QAM	2 122.50	24.099	2 172.50	13.984	38.082
	256QAM	2 122.50	24.122	2 172.50	13.934	38.056
3	QPSK	2 122.50	24.132	2 172.50	13.960	38.092
	16QAM	2 122.50	24.026	2 172.50	13.989	38.015
	64QAM	2 122.50	24.080	2 172.50	13.947	38.027
	256QAM	2 122.50	24.207	2 172.50	14.065	38.272

Plot Data of Occupied bandwidth

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



Antenna 0 / (4 Port) 5G NR n2 10 MHz [1 Carrier] / 256QAM / Low



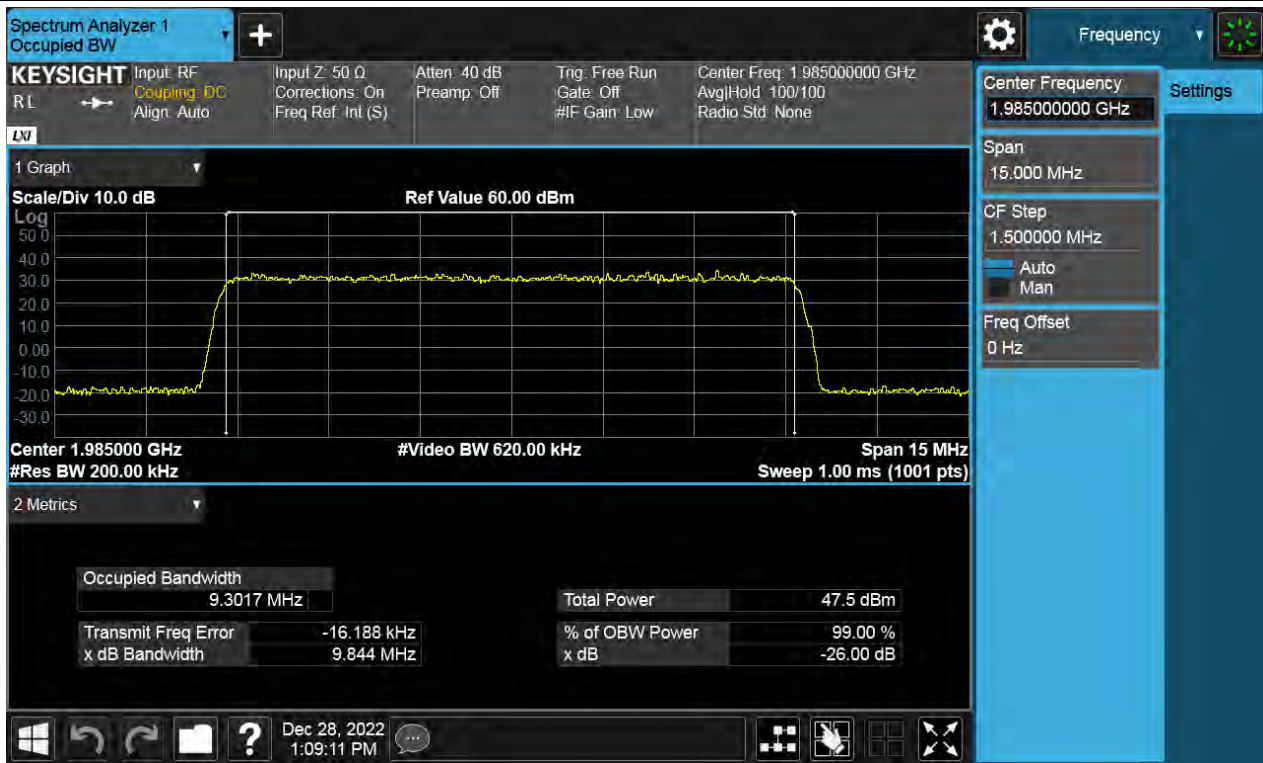
Antenna 0 / (4 Port) 5G NR n2 15 MHz [1 Carrier] / 64QAM / Low



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



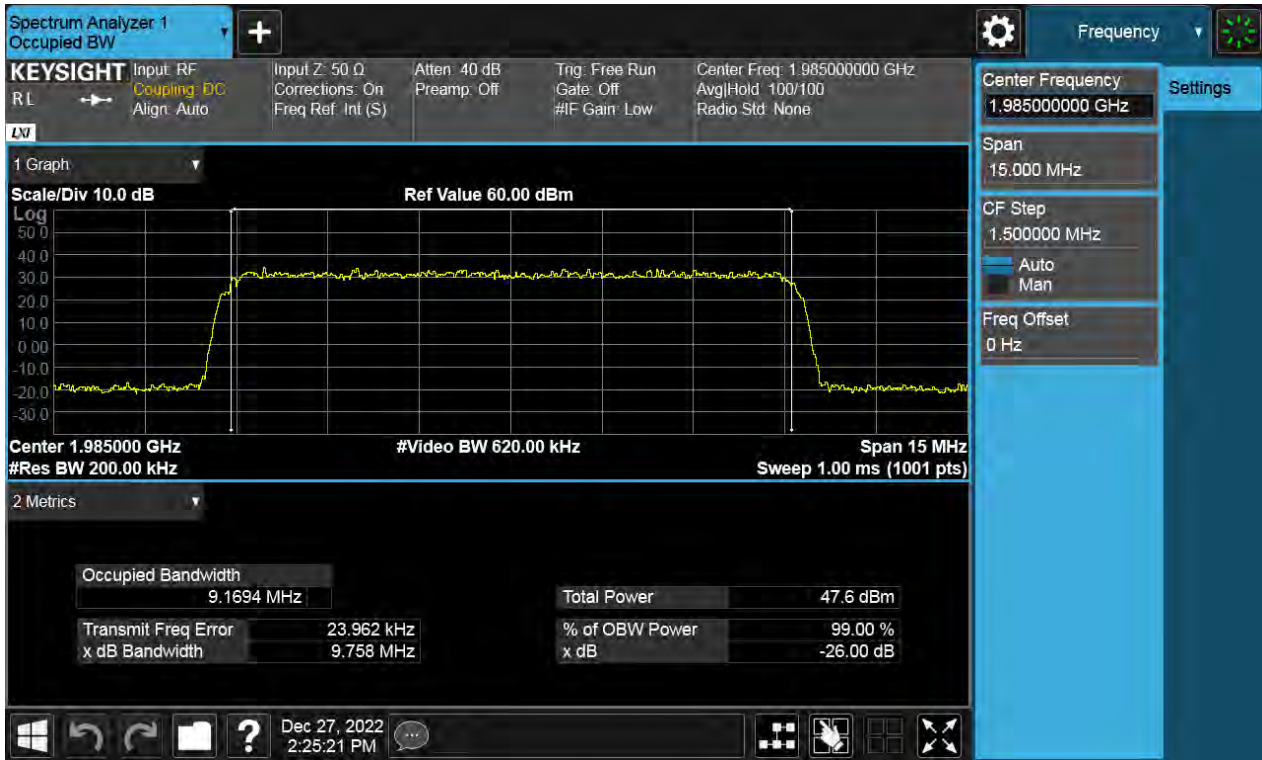
Antenna 0 / (4 Port) DSS B2 10 MHz 2to8 [1 Carrier] / QPSK / High



Antenna 0 / (4 Port) DSS B2 10 MHz 5to5 [1 Carrier] / 16QAM / Low



Antenna 0 / (4 Port) DSS B2 10 MHz 9to1 [1 Carrier] / QPSK / High



Antenna 3 / (4 Port) DSS B2 15 MHz 2to8 [1 Carrier] / 64QAM / Middle



Antenna 3 / (4 Port) DSS B2 15 MHz 5to5 [1 Carrier] / QPSK / Middle



Antenna 3 / (4 Port) DSS B2 15 MHz 9to1 [1 Carrier] / QPSK / Low



Antenna 0 / (4 Port) DSS B2 20 MHz 2to8 [1 Carrier] / 64QAM / Low



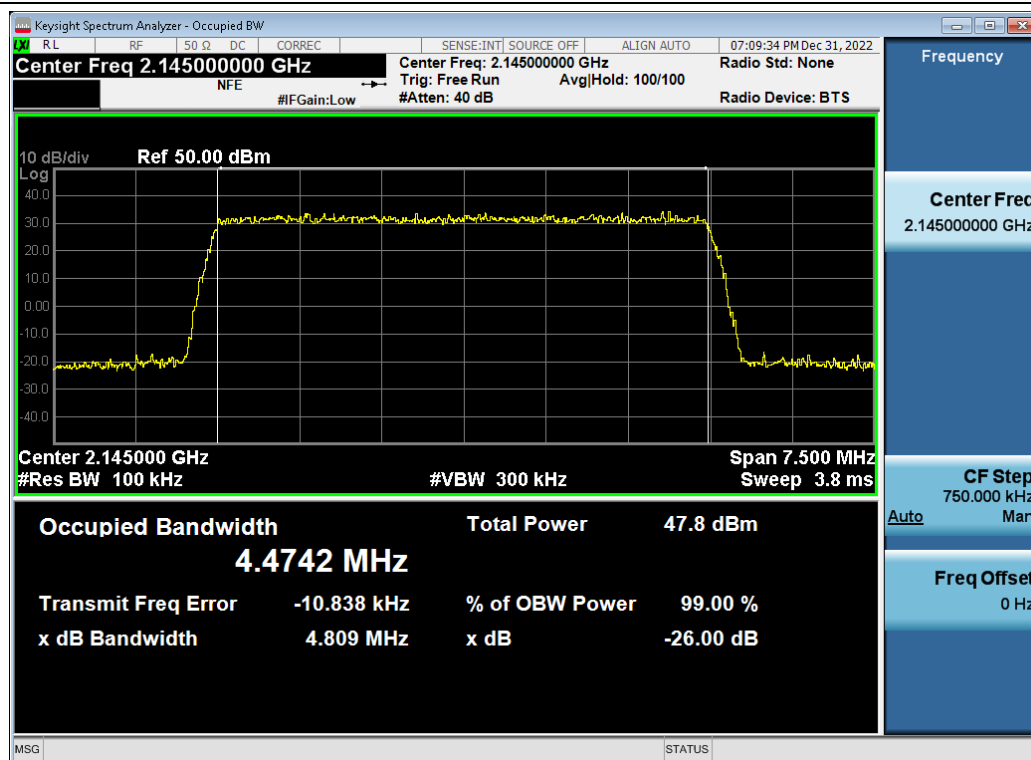
Antenna 0 / (4 Port) DSS B2 20 MHz 5to5 [1 Carrier] / 64QAM / Low



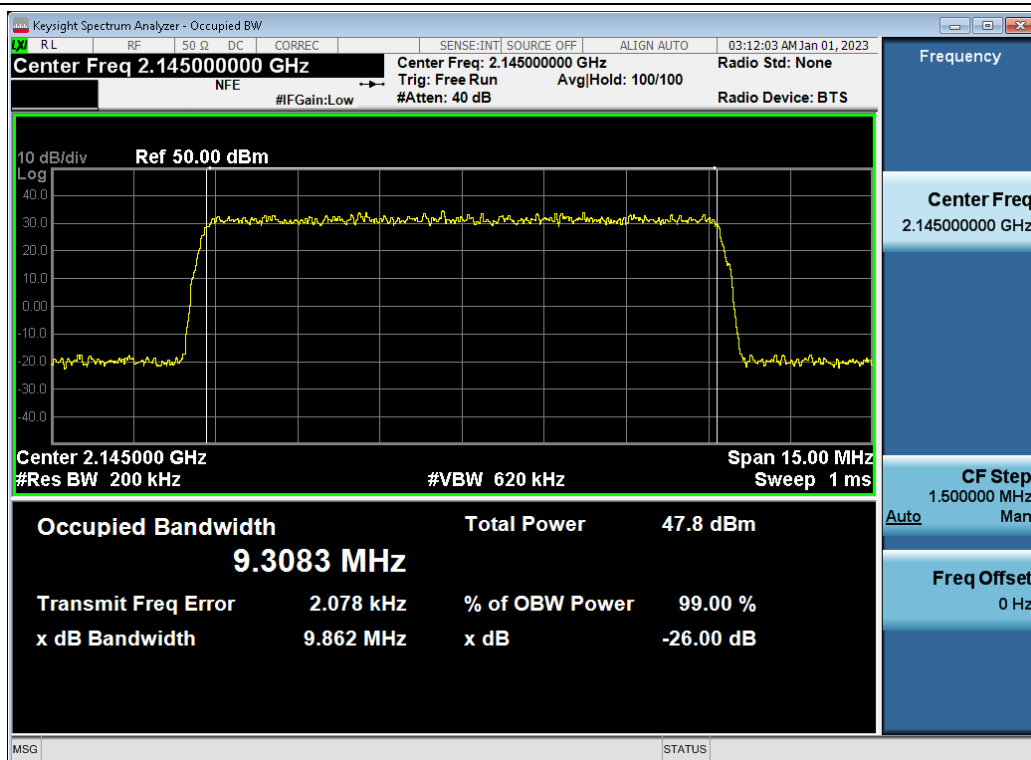
Antenna 0 / (4 Port) DSS B2 20 MHz 9to1 [1 Carrier] / 64QAM / Low



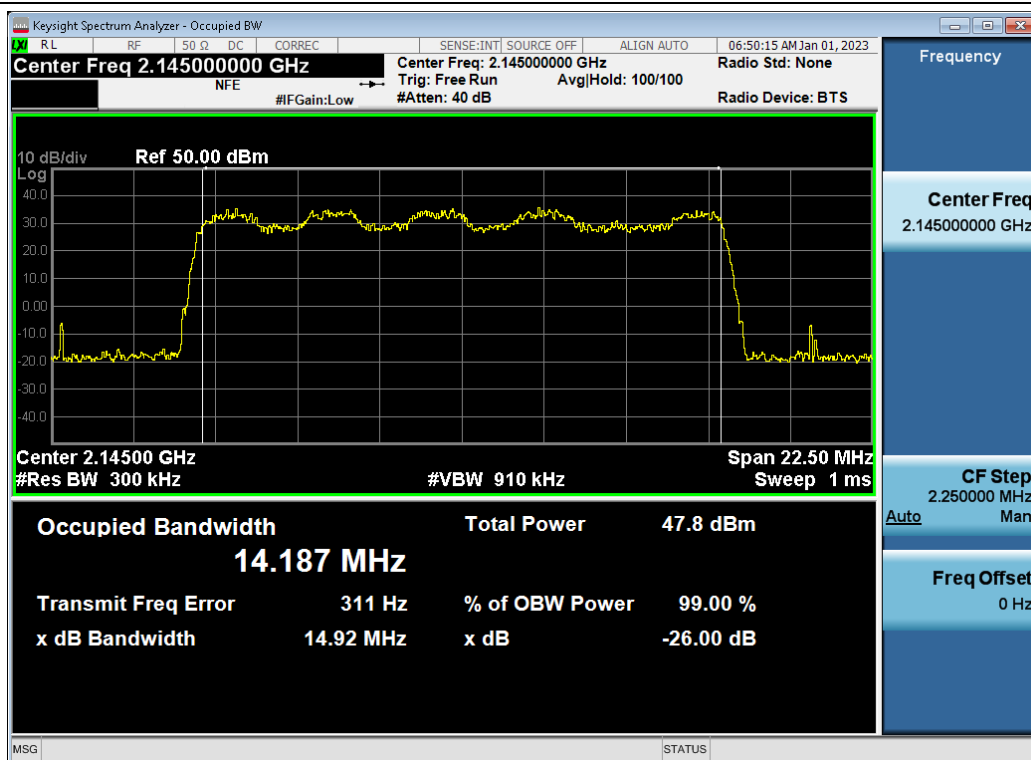
Antenna 1 / (4 Port) 5G NR n66 5 MHz [1 Carrier] / 256QAM / Middle



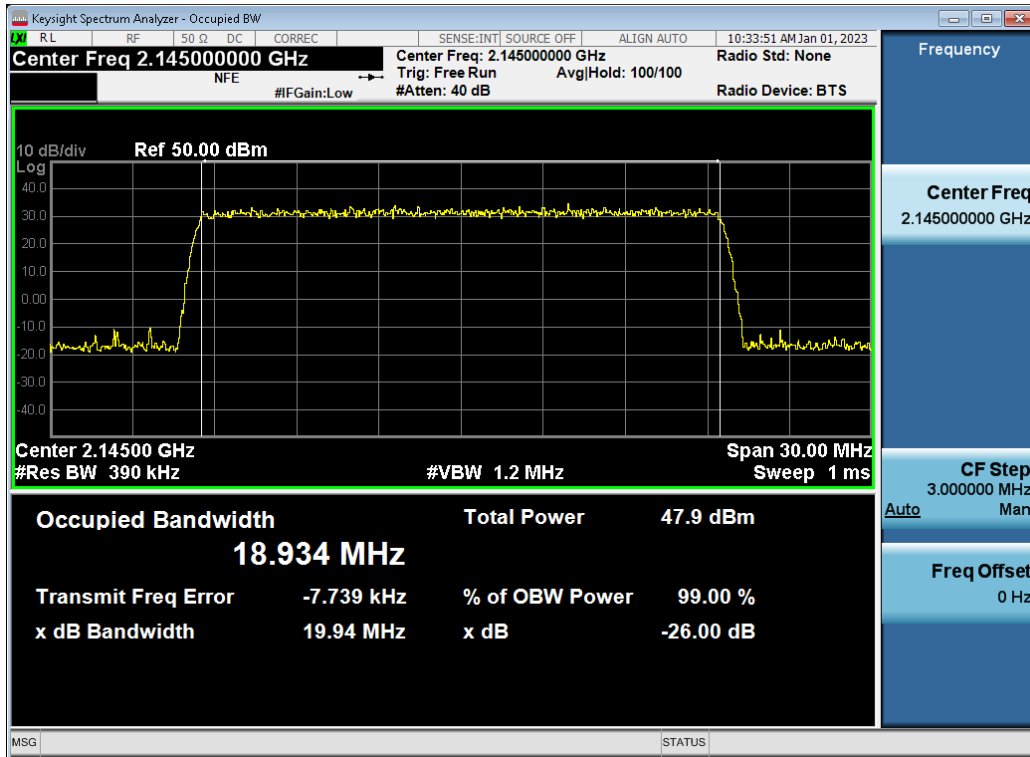
Antenna 1 / (4 Port) 5G NR n66 10 MHz [1 Carrier] / QPSK / Middle



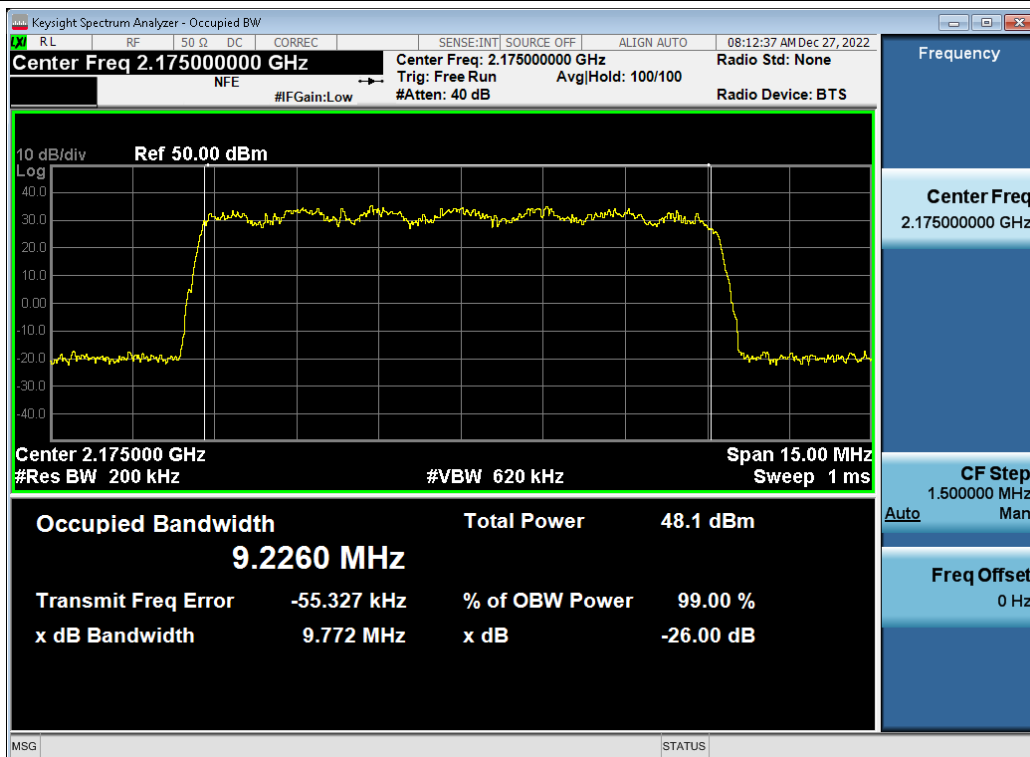
Antenna 1 / (4 Port) 5G NR n66 15 MHz [1 Carrier] / 16QAM / Middle



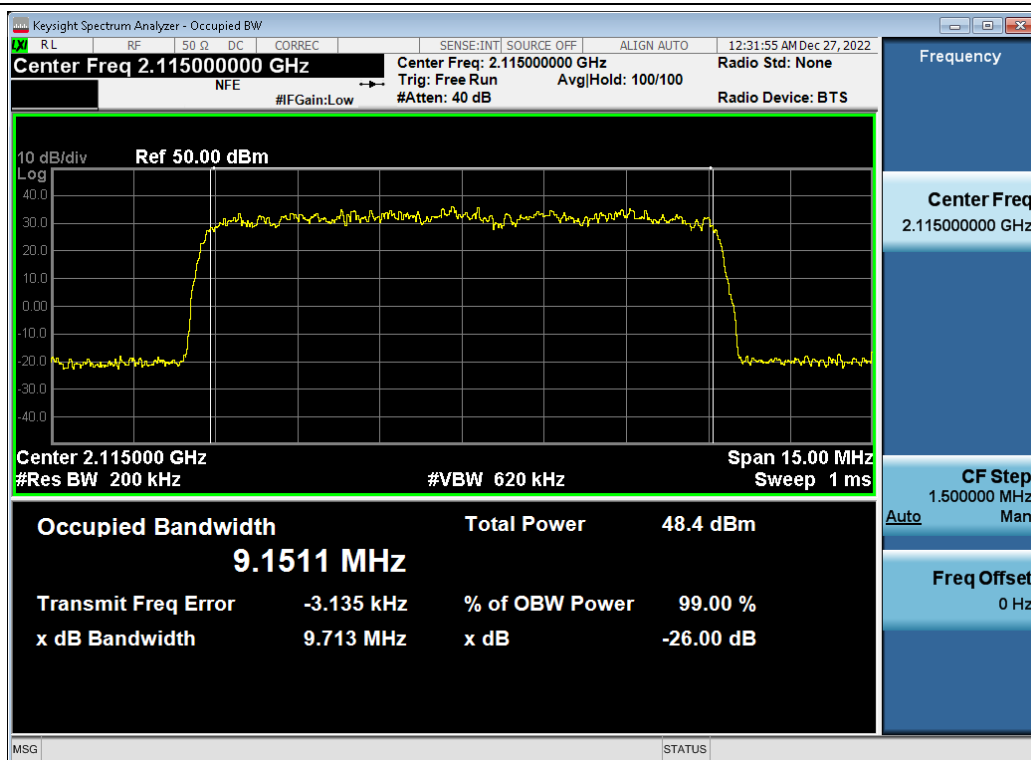
Antenna 1 / (4 Port) 5G NR n66 20 MHz [1 Carrier] / 64QAM / Middle



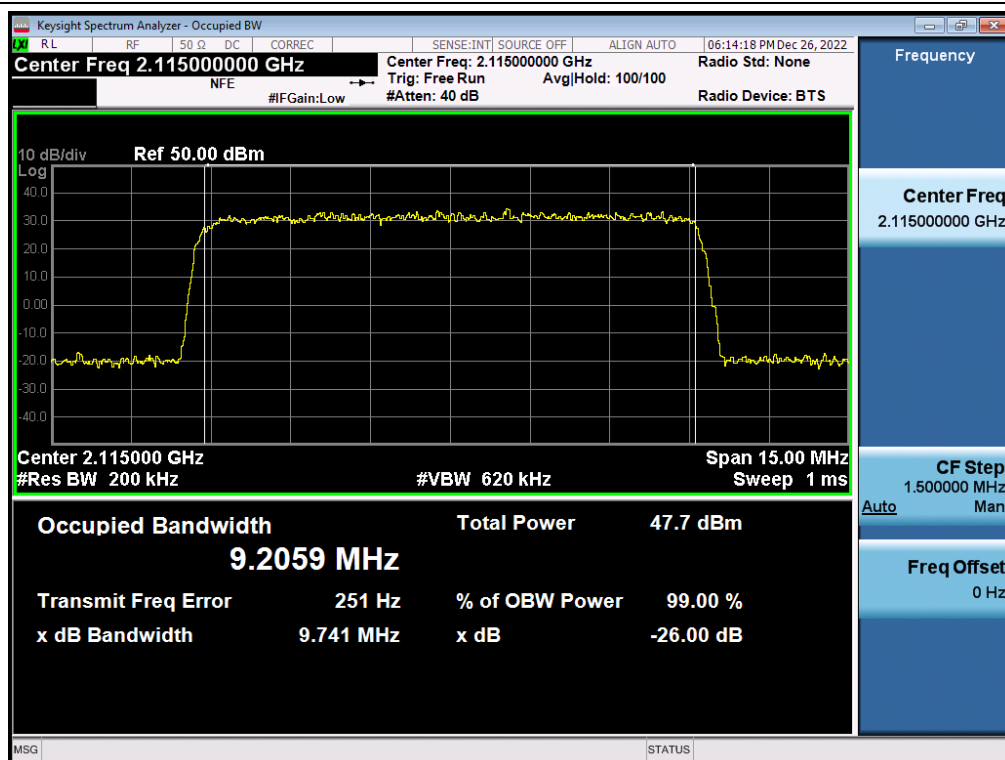
Antenna 1 / (4 Port) DSS B66 10 MHz 2to8 [1 Carrier] / 16QAM / High



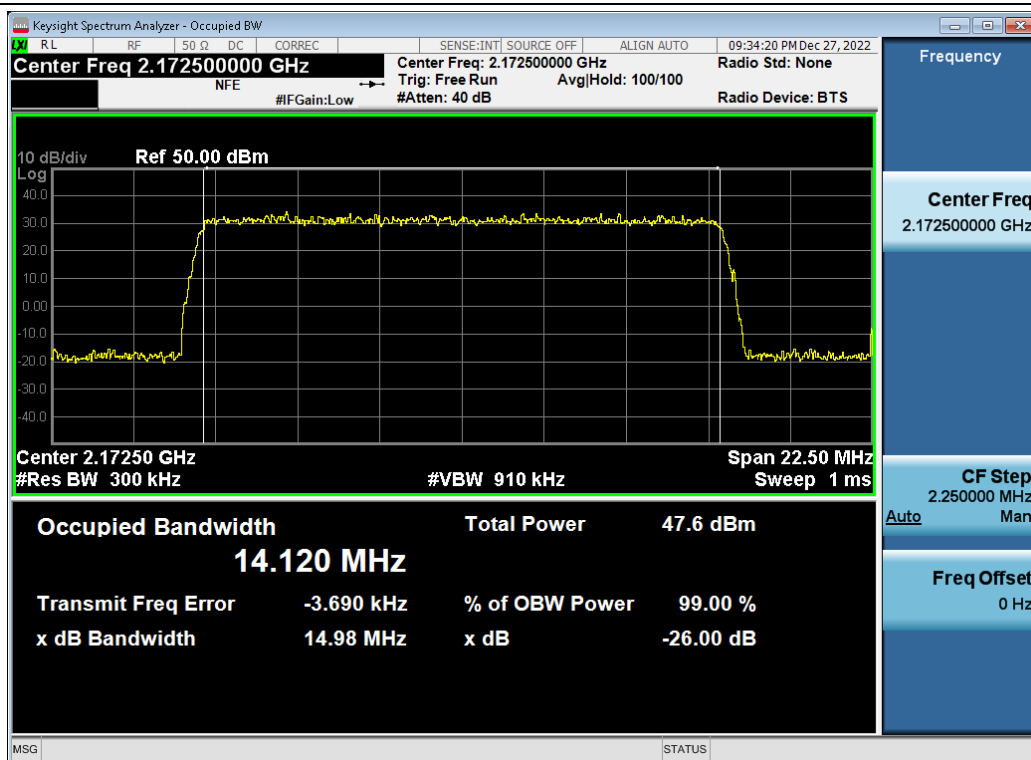
Antenna 2 / (4 Port) DSS B66 10 MHz 5to5 [1 Carrier] / 16QAM / Low



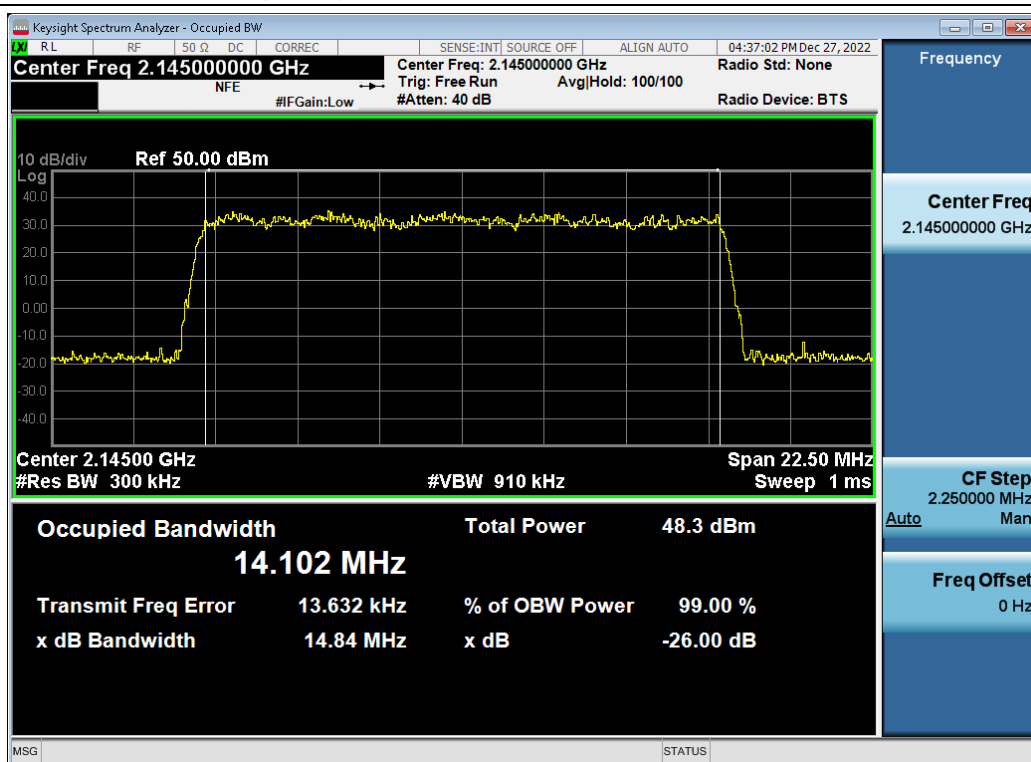
Antenna 1 / (4 Port) DSS B66 10 MHz 9to1 [1 Carrier] / QPSK / Low



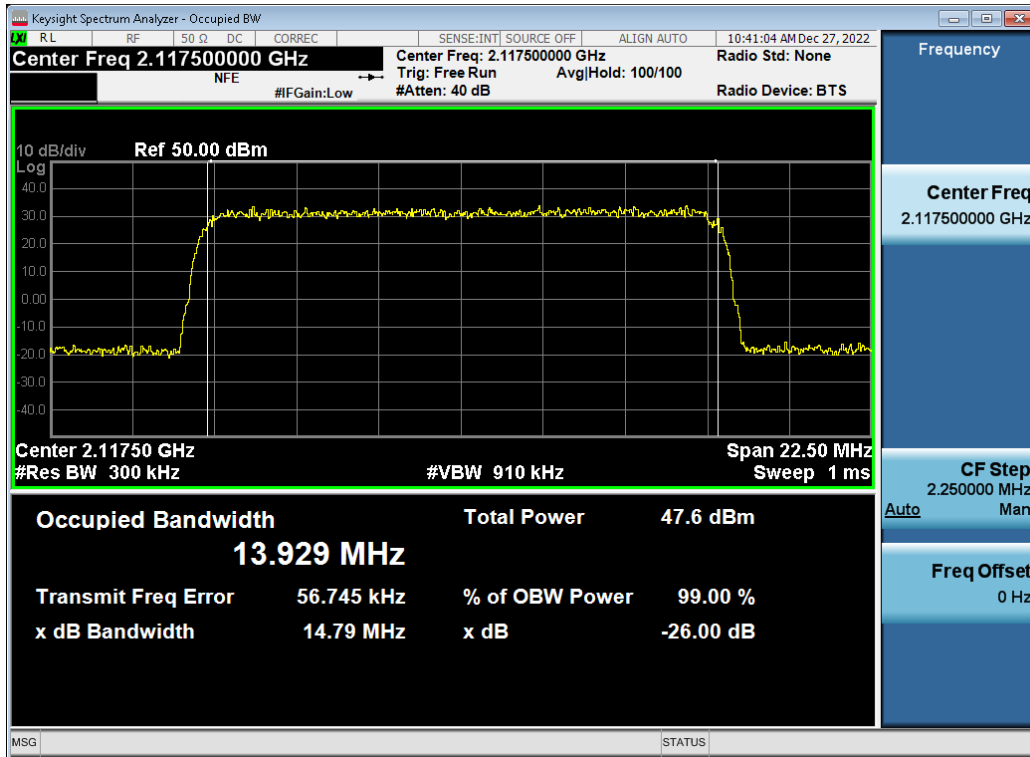
Antenna 1 / (4 Port) DSS B66 15 MHz 2to8 [1 Carrier] / QPSK / High



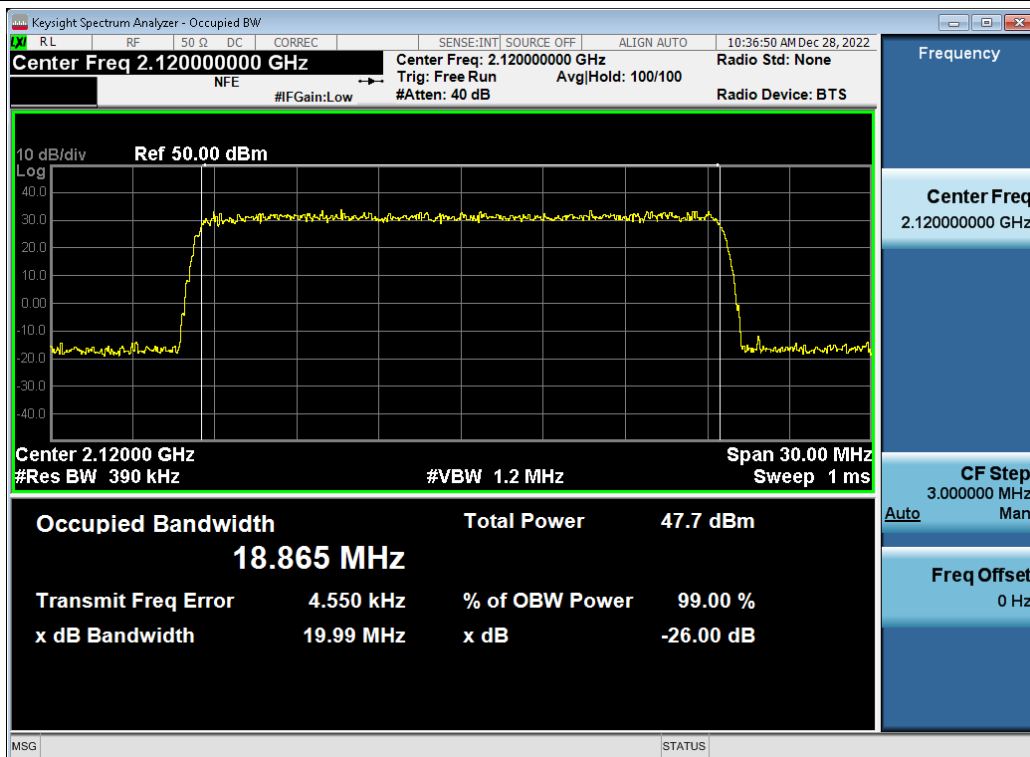
Antenna 1 / (4 Port) DSS B66 15 MHz 5to5 [1 Carrier] / 16QAM / Middle



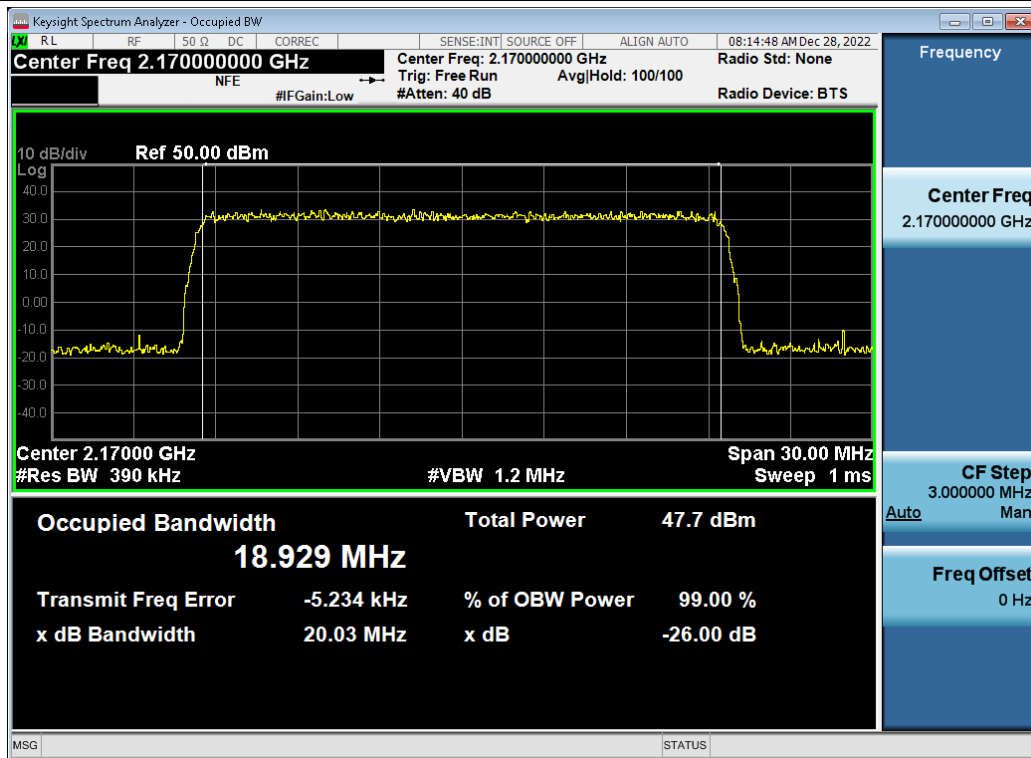
Antenna 1 / (4 Port) DSS B66 15 MHz 9to1 [1 Carrier] / 256QAM / Low



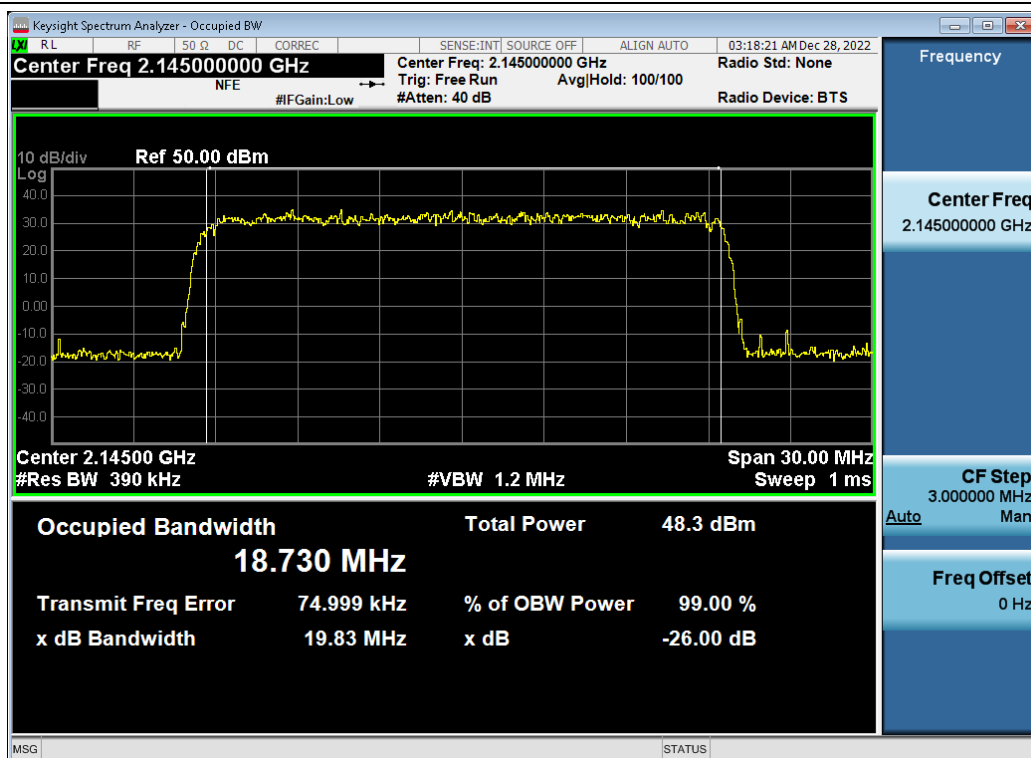
Antenna 1 / (4 Port) DSS B66 20 MHz 2to8 [1 Carrier] / 256QAM / Low



Antenna 1 / (4 Port) DSS B66 20 MHz 5to5 [1 Carrier] / QPSK / High



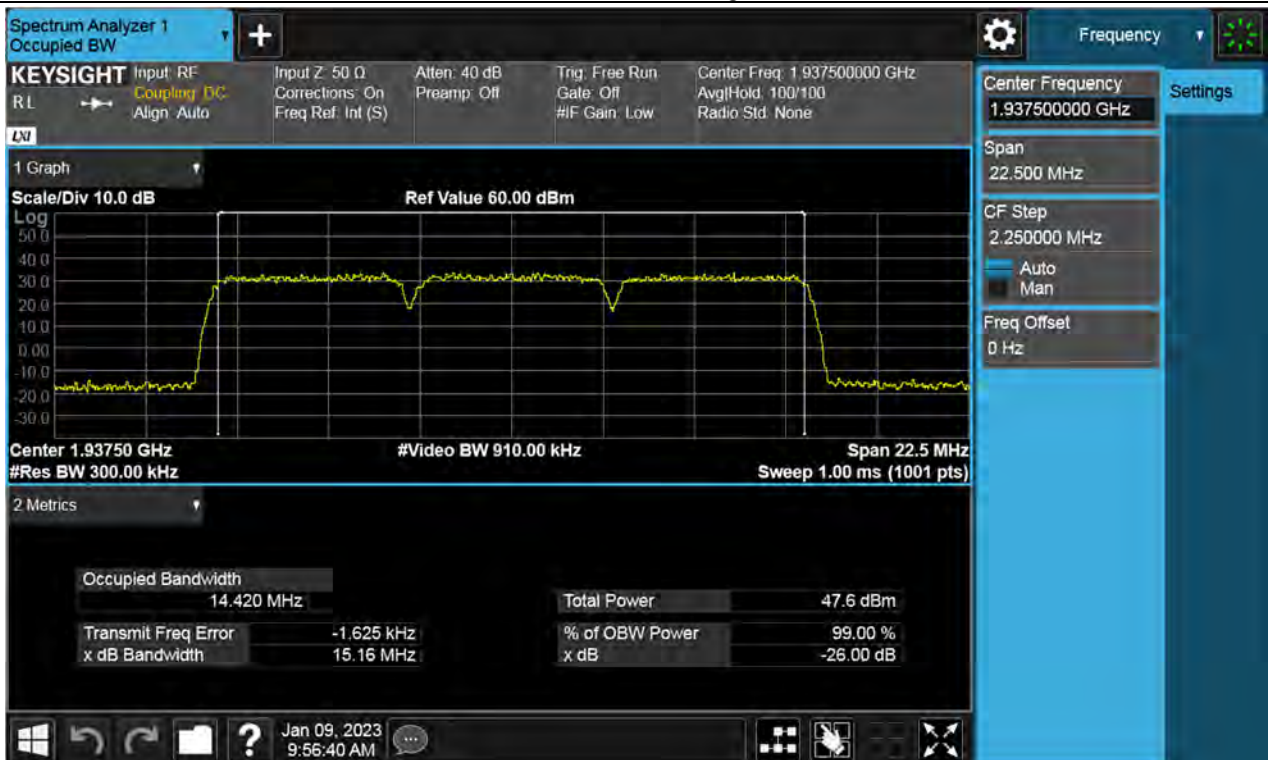
Antenna 1 / (4 Port) DSS B66 20 MHz 9to1 [1 Carrier] / 16QAM / Middle



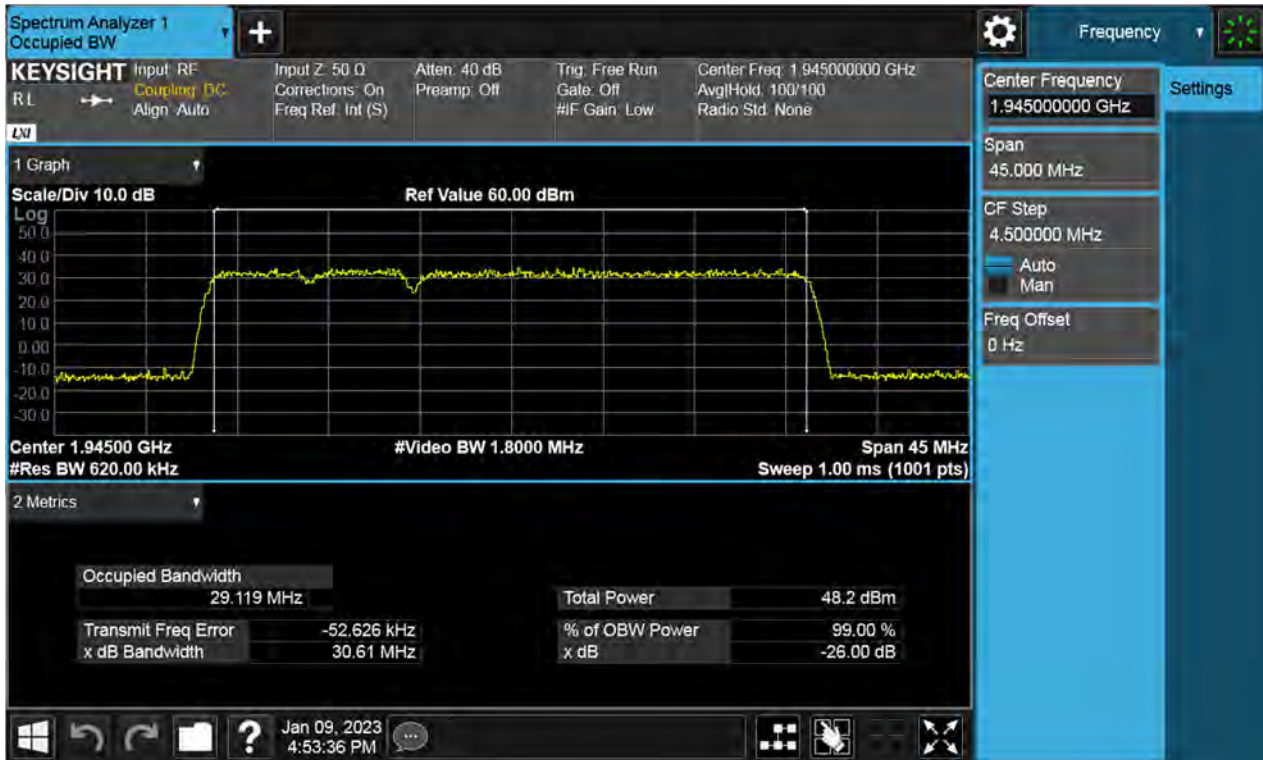
Antenna 3 / (4 Port) DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [2 Carrier] / 16QAM / Middle / Contiguous



Antenna 0 / (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] / 256QAM / Low / Contiguous



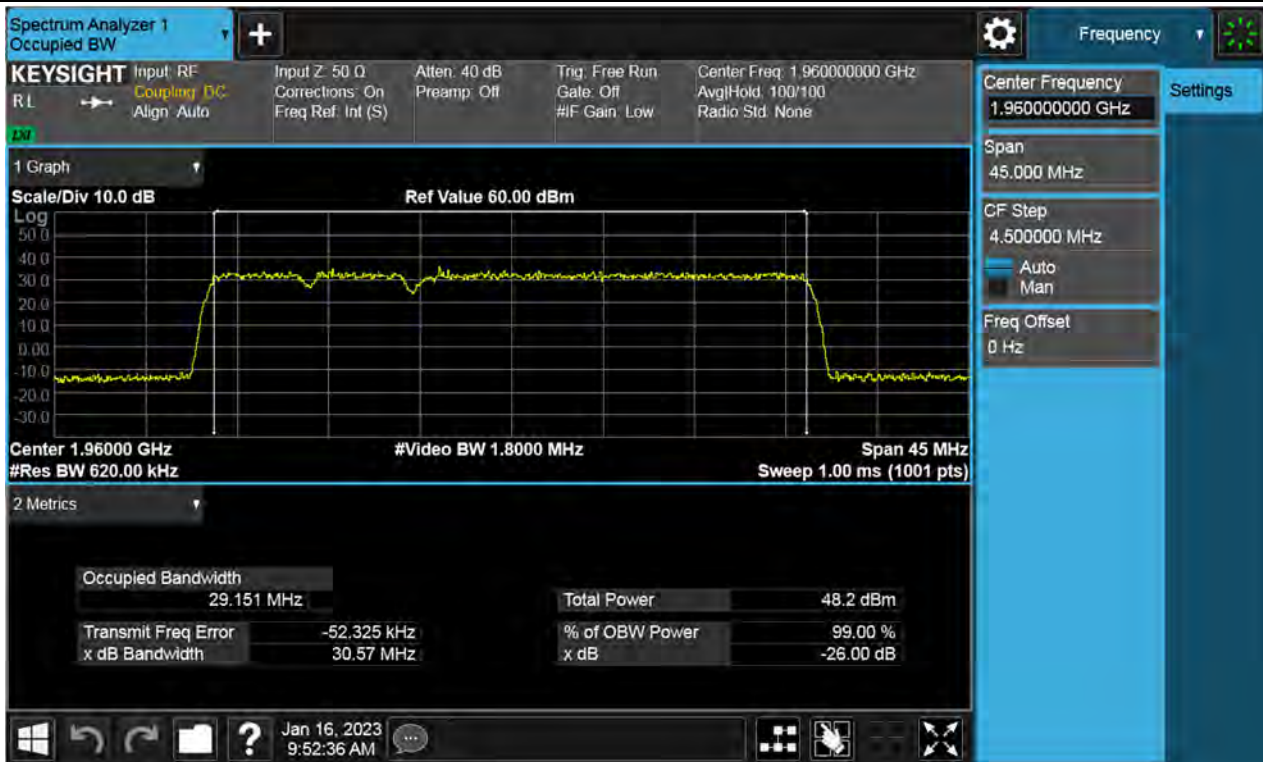
Antenna 3 / (4 Port) 5G NR n2 20 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier [3 Carrier] / QPSK / Low / Contiguous



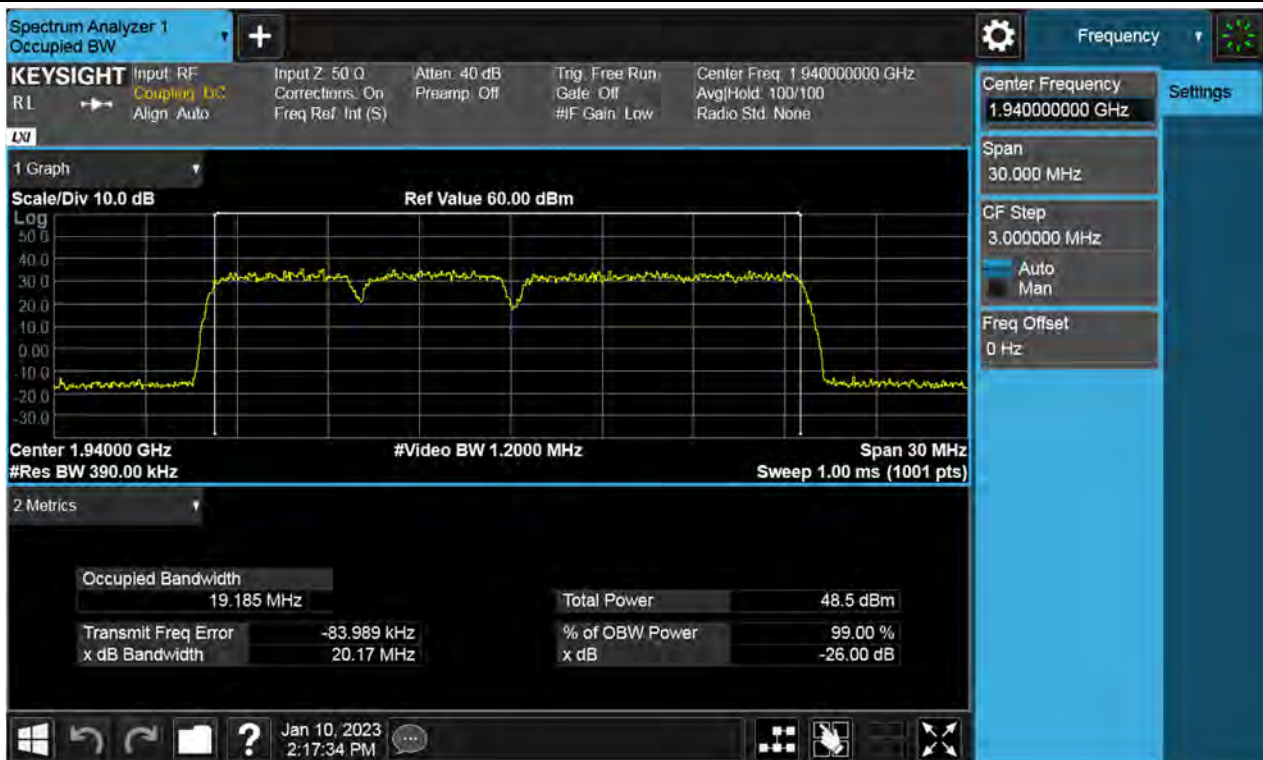
Antenna 0 / (4 Port) 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier [3 Carrier] / 64QAM / High / Contiguous



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



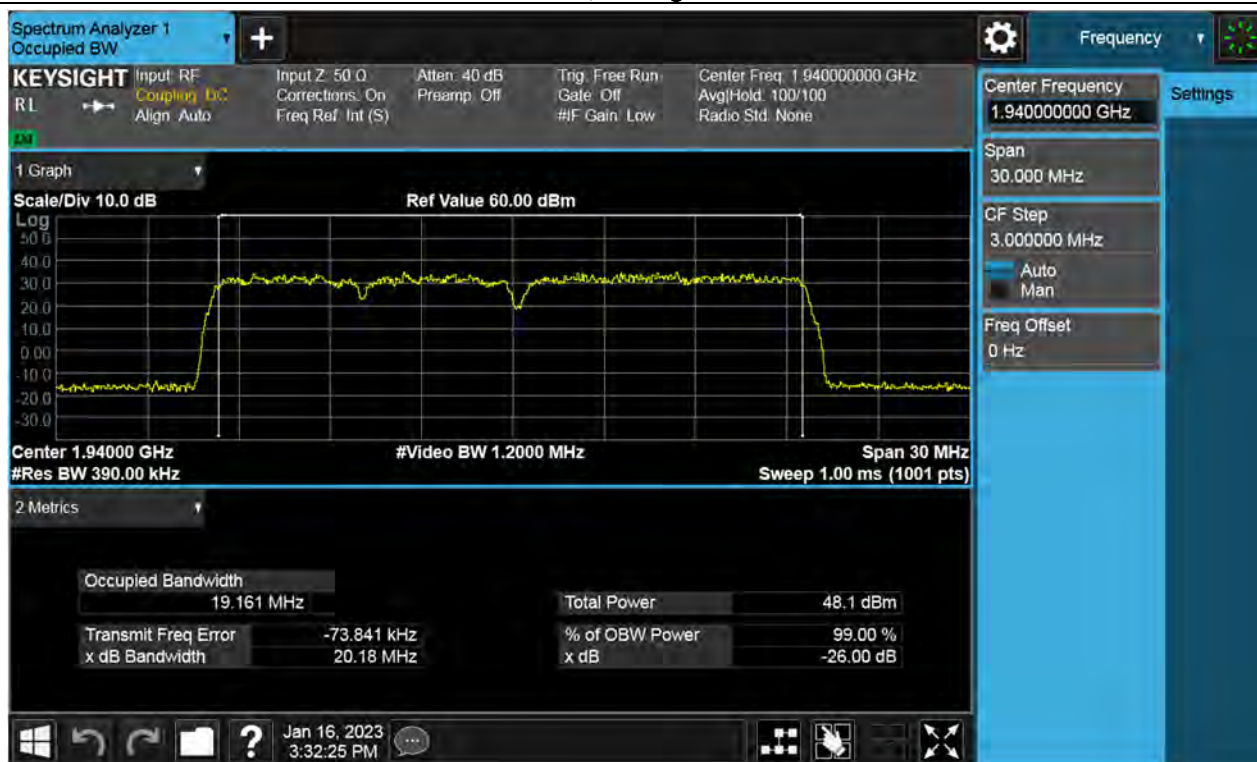
Antenna 3 / (4 Port) DSS B2 10 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier [3 Carrier] / 16QAM / Low / Contiguous



Antenna 0 / (4 Port) DSS B2 20 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier [3 Carrier] / 16QAM / Low / Contiguous



Antenna 0 / (4 Port) DSS B2 10 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrer [3 Carrier] / 16QAM / Low / Contiguous



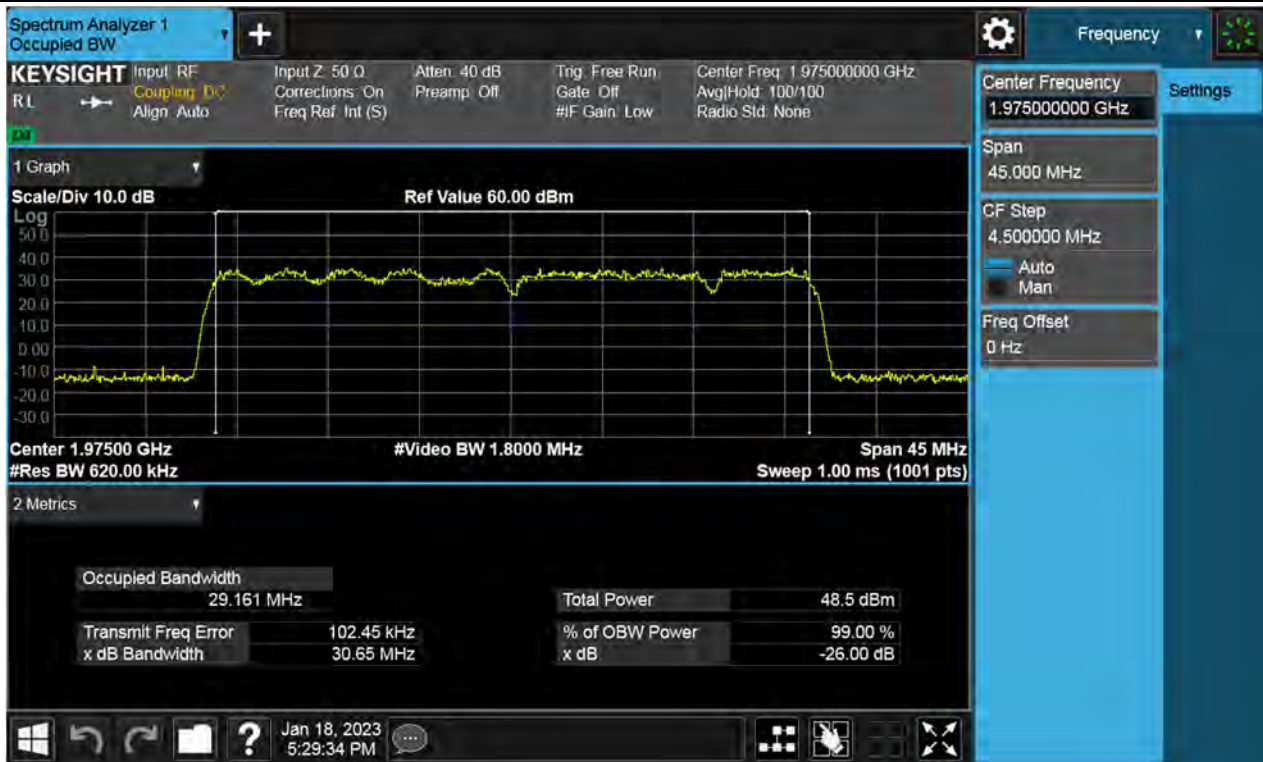
Antenna 0 / (4 Port) DSS B2 10 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + 5G NR n2 15 MHz 1 Carrier [3 Carrier] / 64QAM / Middle / Contiguous



Antenna 0 / (4 Port) DSS B2 10 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier [3 Carrier] / 256QAM / Low / Contiguous



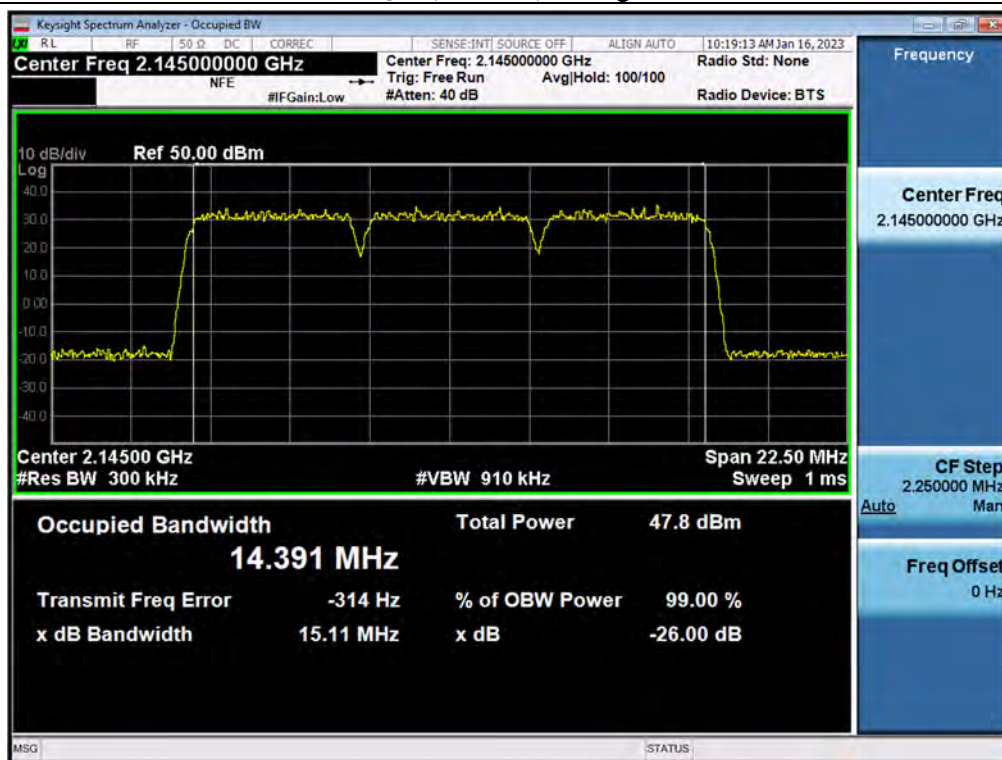
Antenna 0 / (4 Port) DSS B2 10 MHz 1 Carrier + 5G NR n2 15 MHz 1 Carrier + LTE B2 5 MHz 1 Carrer [3 Carrier] / 16QAM / High / Contiguous



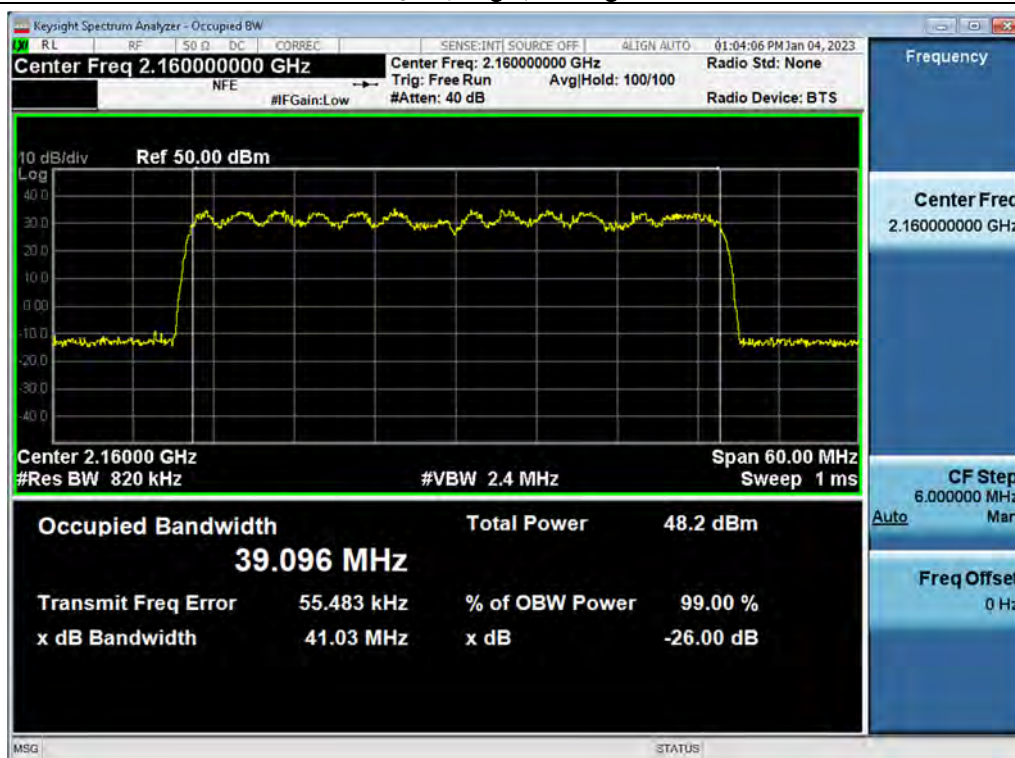
Antenna 3 / (4 Port) DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [3 Carrier] / 16QAM / Low / Contiguous



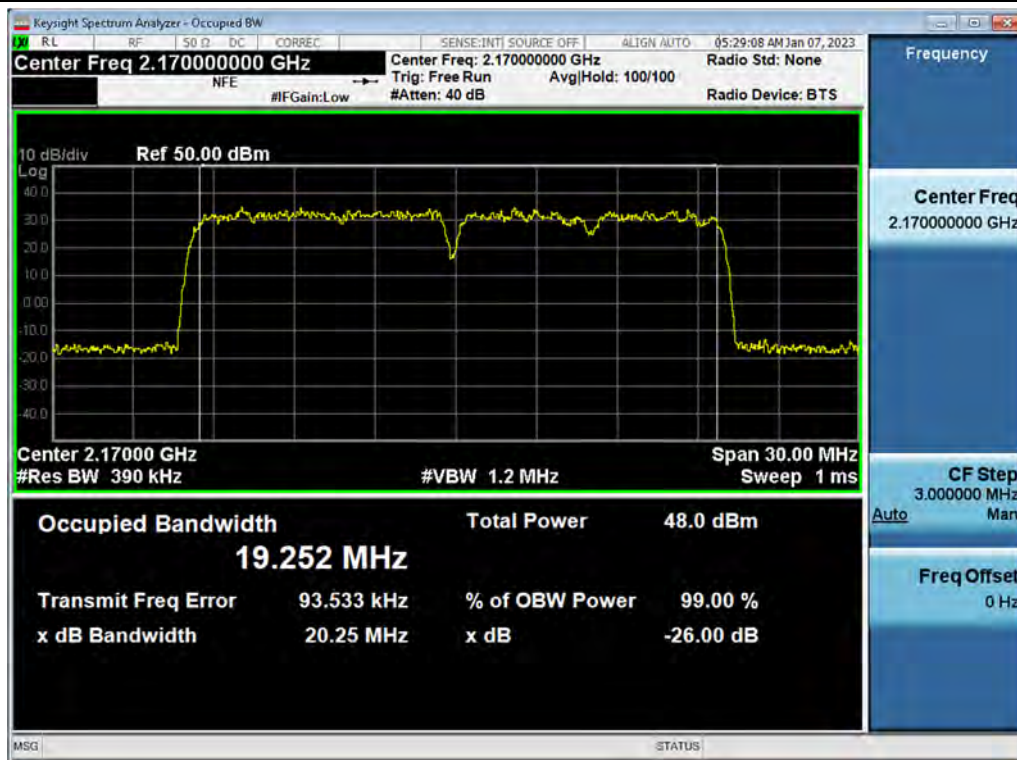
Antenna 1 / (4 Port) 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [3 Carrier] / 256QAM / Middle / Contiguous



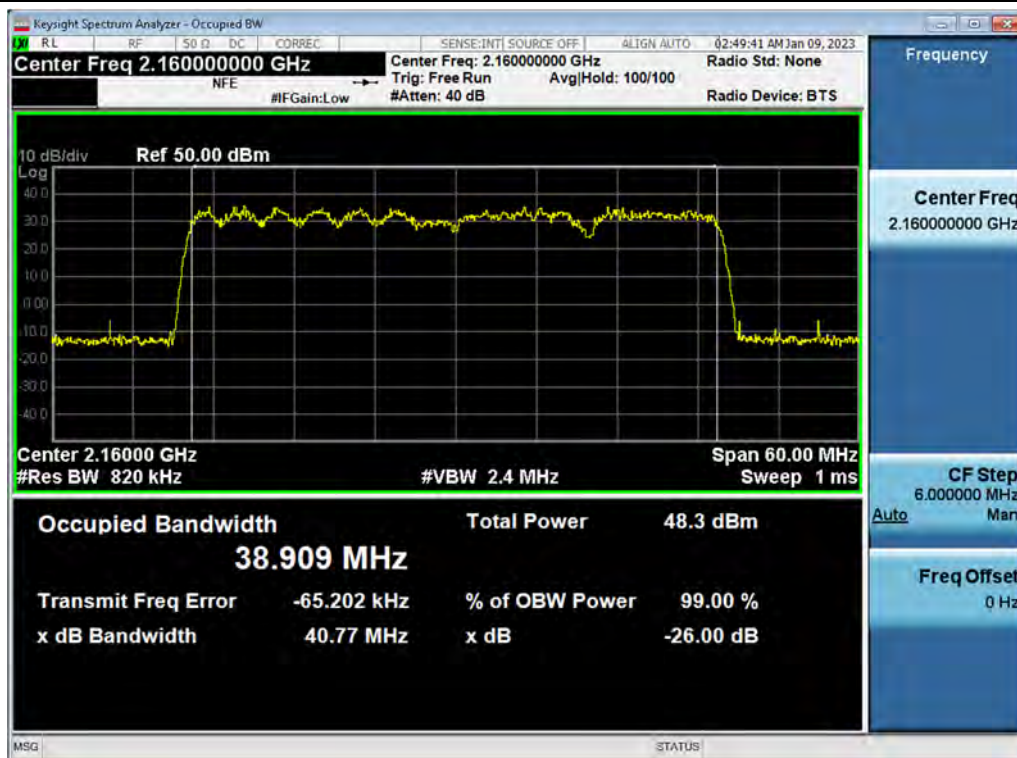
Antenna 1 / (4 Port) 5G NR n66 5 MHz 1 Carrier + 5G NR n66 15 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [3 Carrier] / 16QAM / High / Contiguous



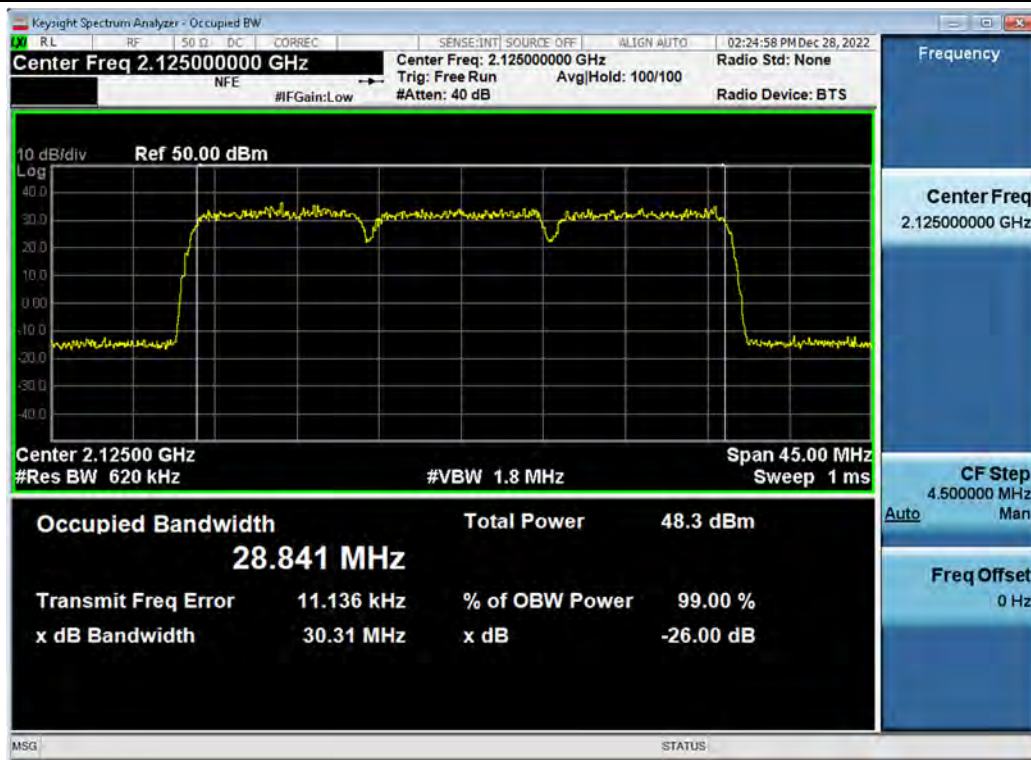
Antenna 1 / (4 Port) 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [3 Carrier] / 16QAM / High / Contiguous



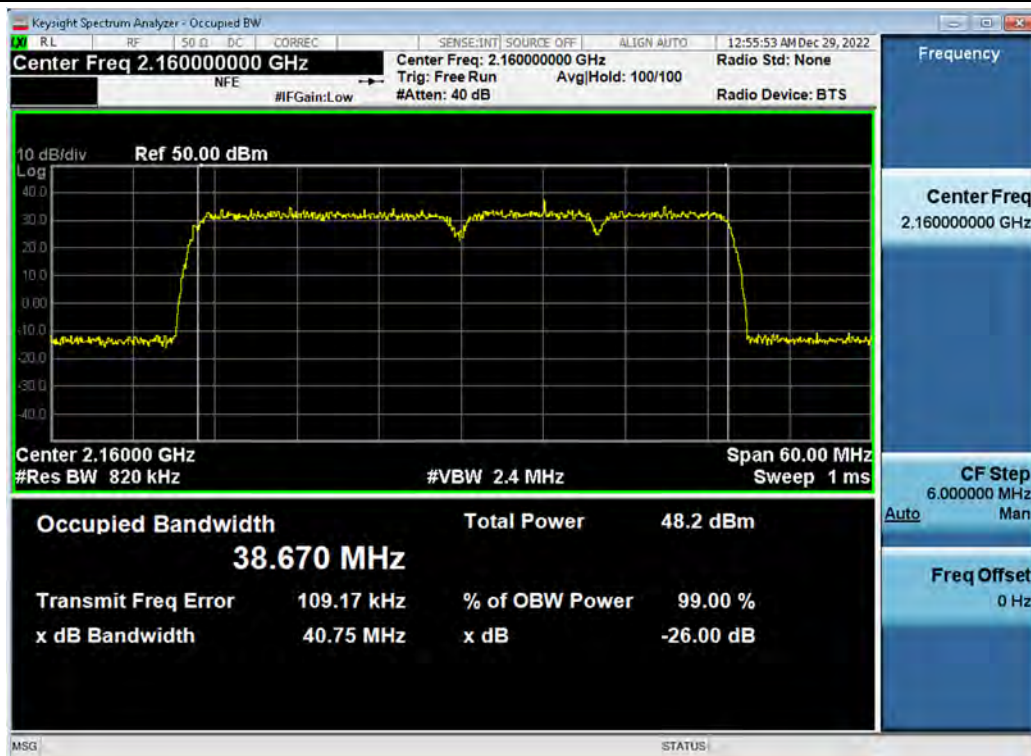
Antenna 1 / (4 Port) DSS B66 10 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [3 Carrier] / 16QAM / High / Contiguous



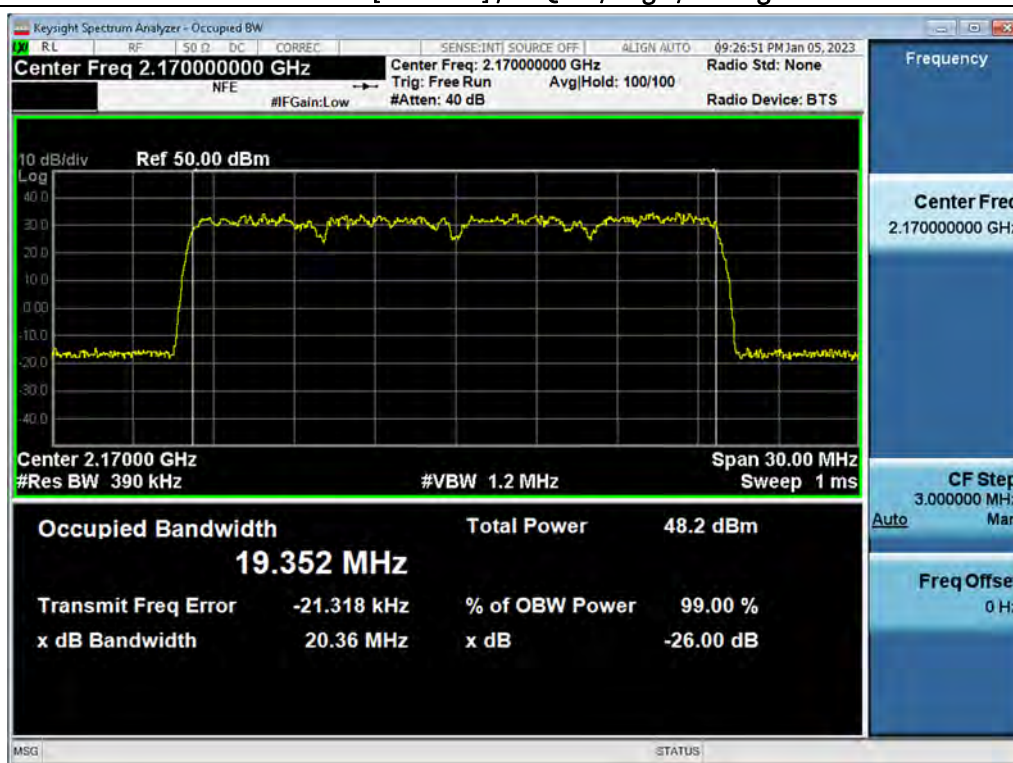
Antenna 2 / (4 Port) DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [3 Carrier] / 16QAM / Low / Contiguous



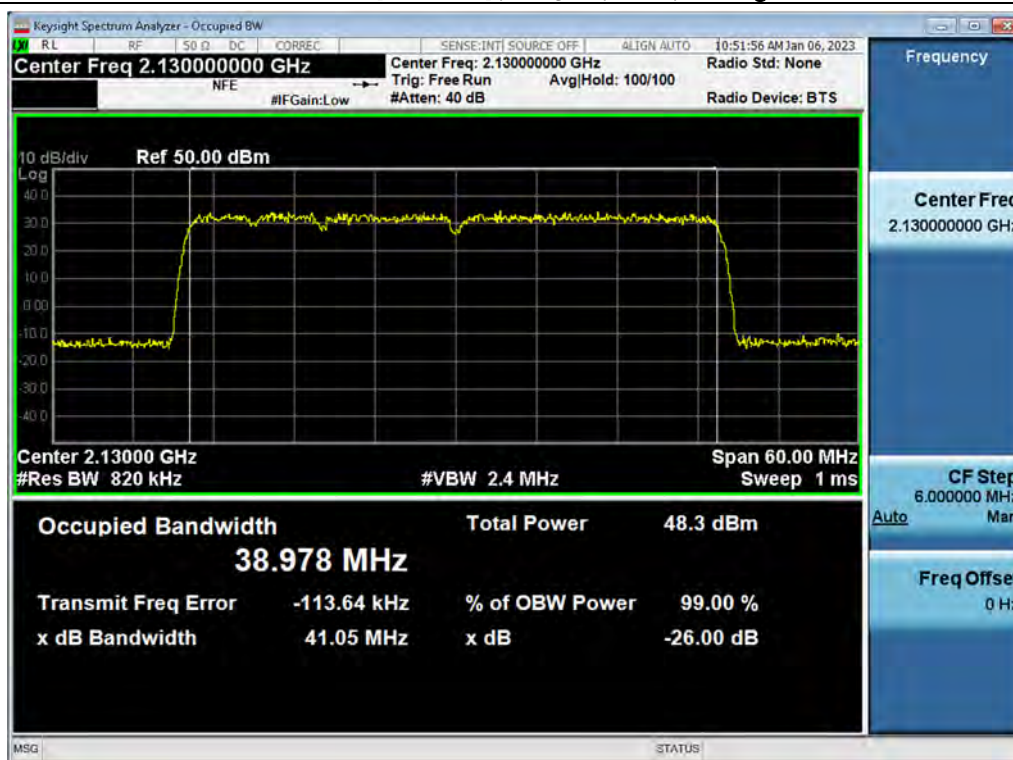
Antenna 1 / (4 Port) DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 20 MHz 1 Carrier [3 Carrier] / 64QAM / High / Contiguous



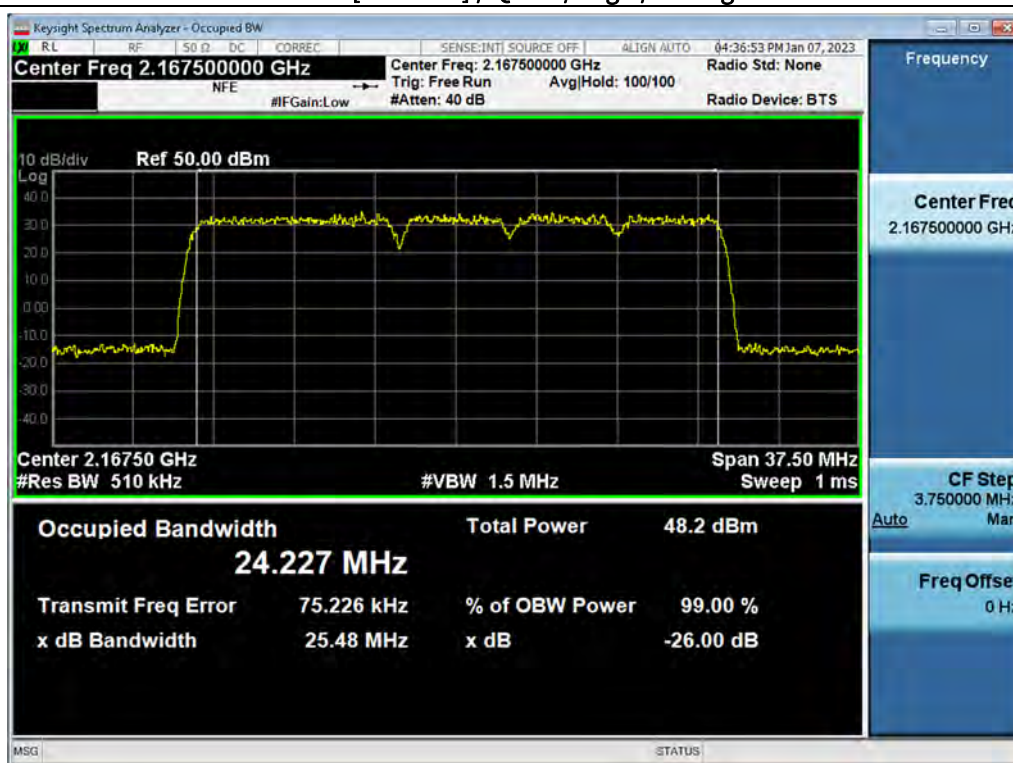
Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier [4 Carrier] / 16QAM / High / Contiguous



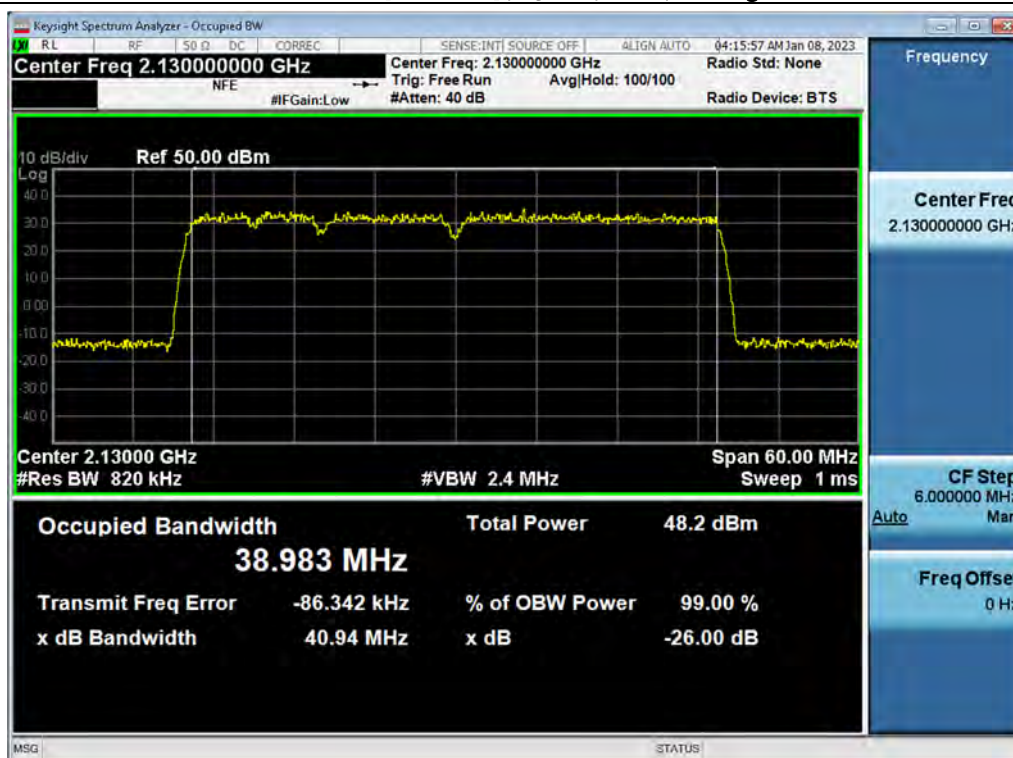
Antenna 2 / (4 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [4 Carrier] / 64QAM / Low / Contiguous



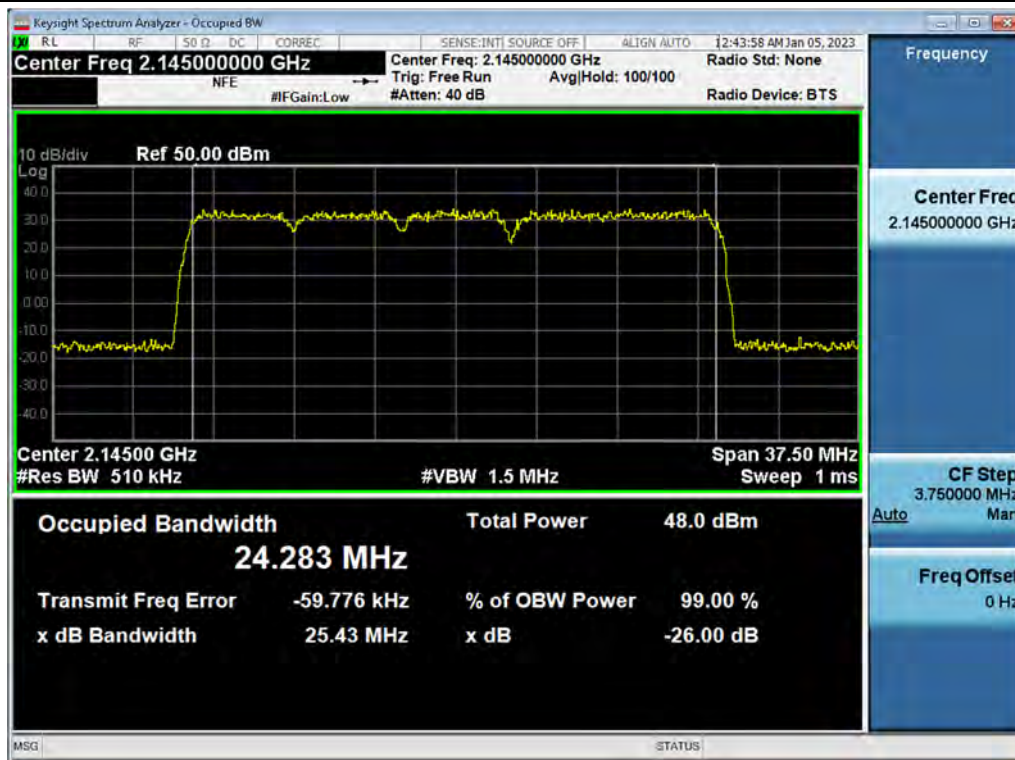
Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier [4 Carrier] / QPSK / High / Contiguous



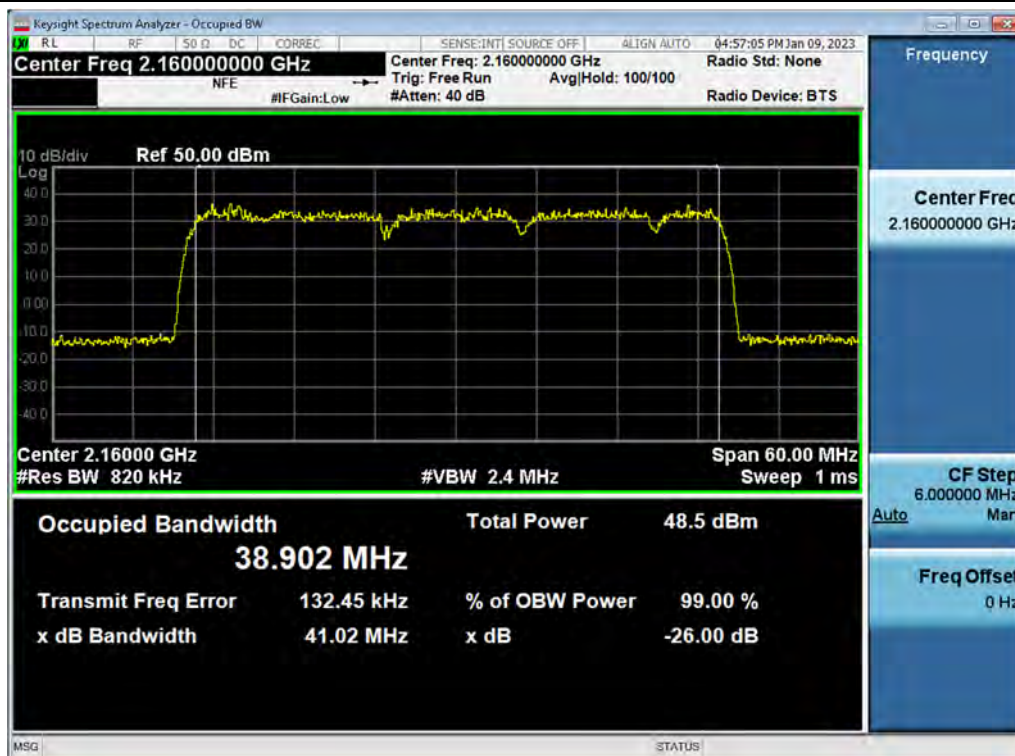
Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + 5G NR n66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + 5G NR n66 20 MHz 1 Carrier [4 Carrier] / QPSK / Low / Contiguous



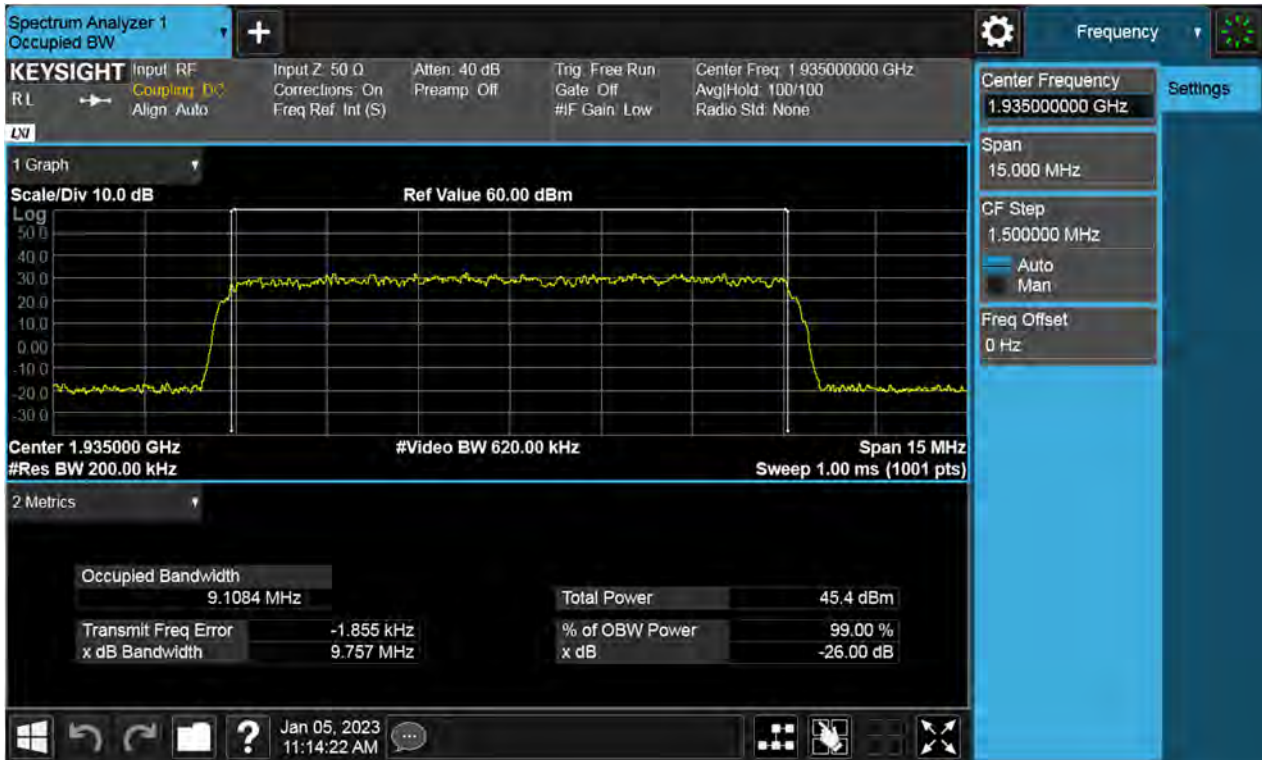
Antenna 1 / (4 Port) DSS B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 5 MHz 1 Carrier + LTE B66 10 MHz 1 Carrier [4 Carrier] / 64QAM / Middle / Contiguous



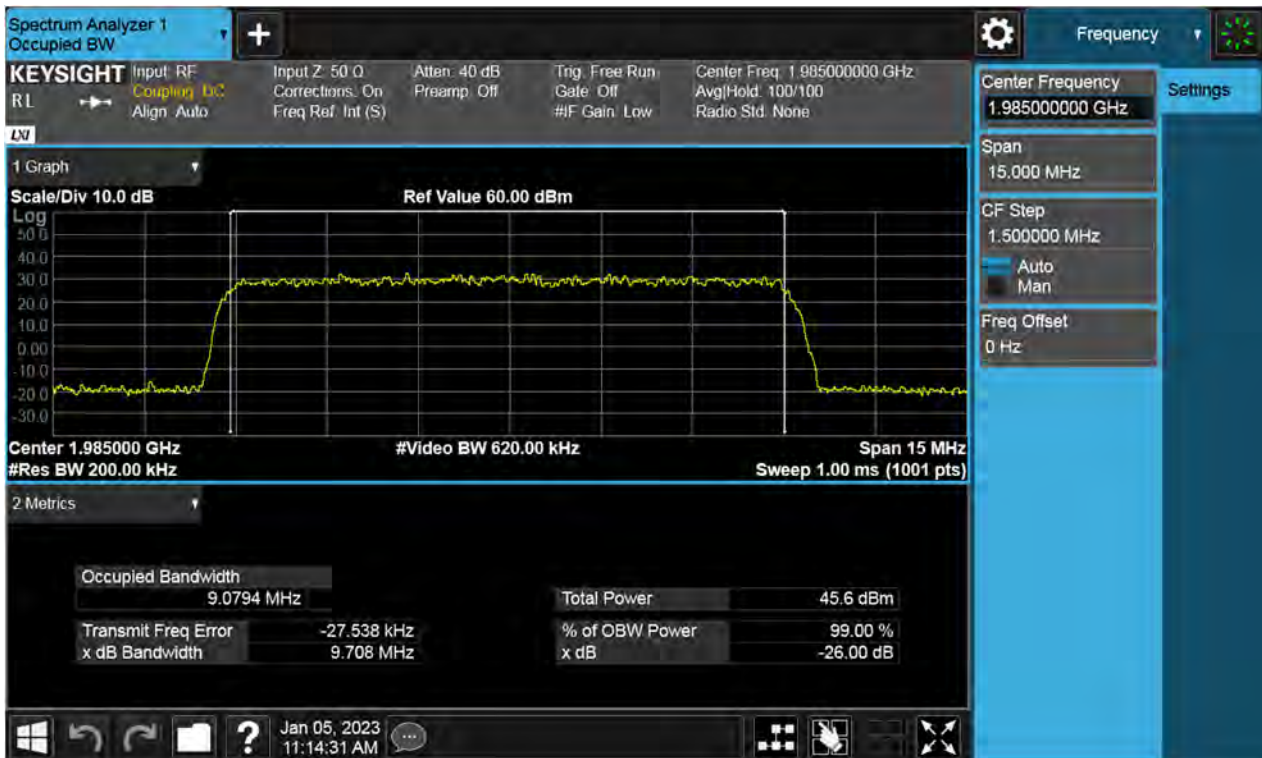
Antenna 1 / (4 Port) LTE B66 5 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 10 MHz 1 Carrier + DSS B66 15 MHz 1 Carrier [4 Carrier] / 16QAM / High / Contiguous



Antenna 0 / (4 Port) DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / DSS B2 10 MHz 1 Carrier / 16QAM / Low



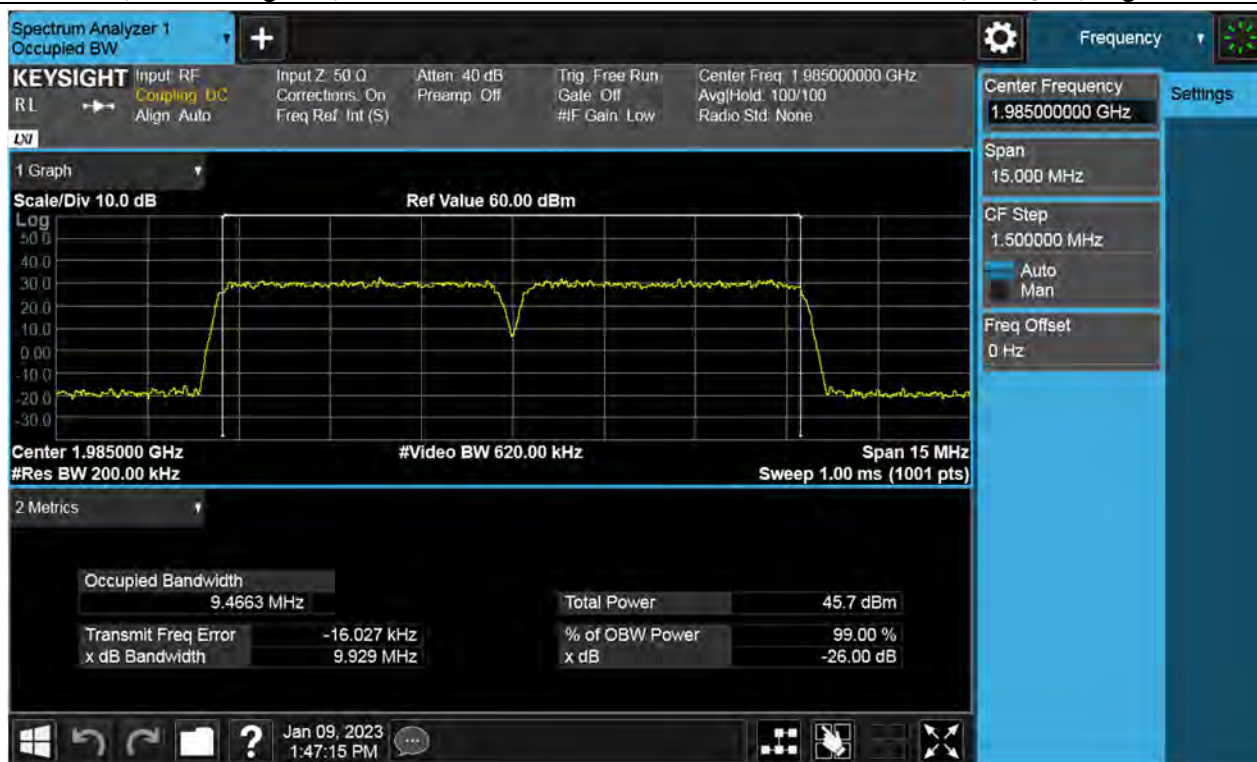
Antenna 0 / (4 Port) DSS B2 10 MHz 1 Carrier + DSS B2 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / DSS B2 10 MHz 1 Carrier / 16QAM / High



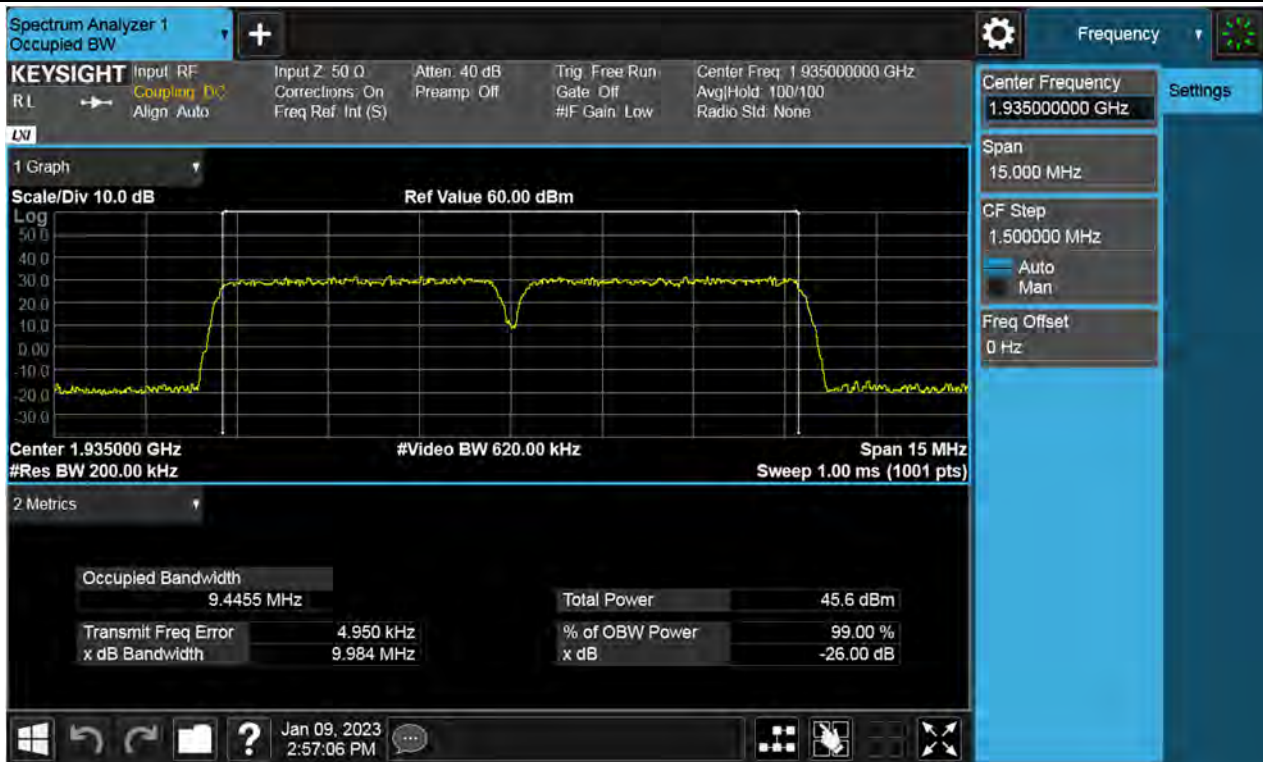
Antenna 0 / (4 Port) 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier [3 Carrier] [1C+2C]
/ Non-Contiguous / 5G NR n2 5 MHz 1 Carrier / 256QAM / Low



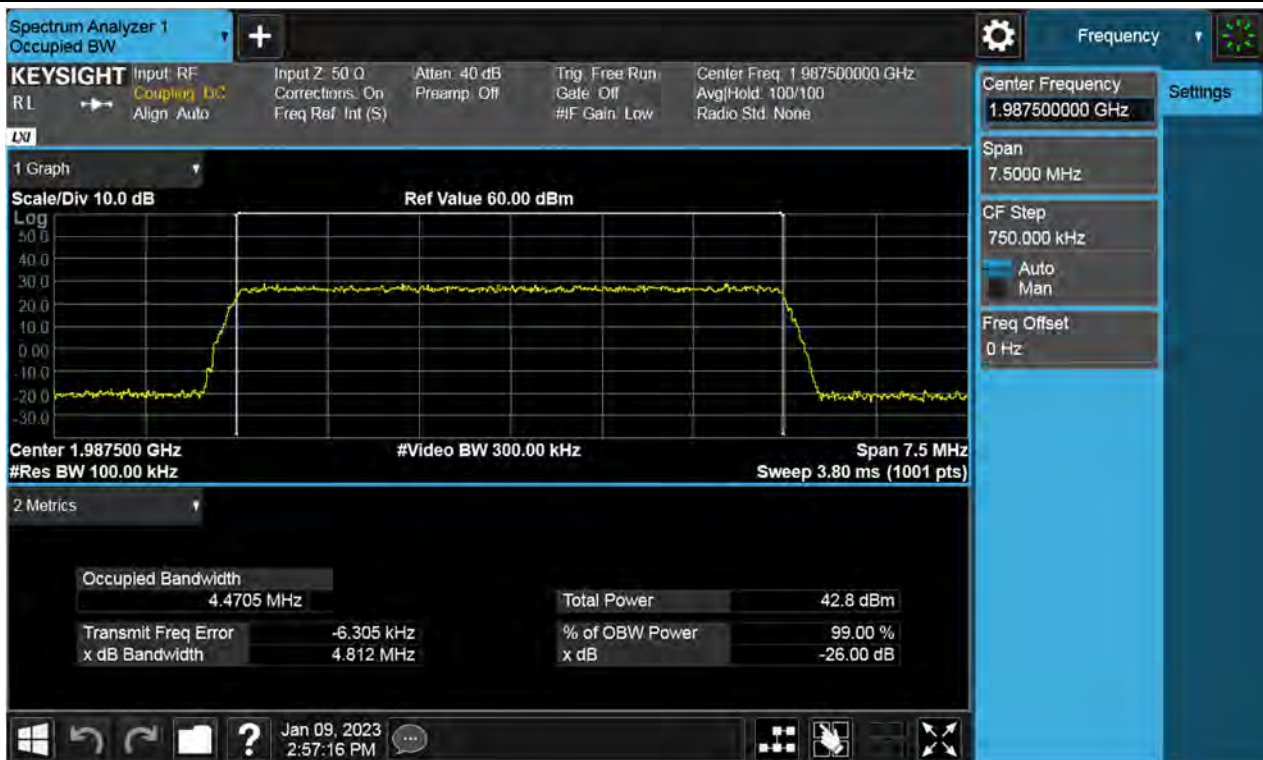
Antenna 0 / (4 Port) 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier [3 Carrier] [1C+2C]
/ Non-Contiguous / 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier / 256QAM / High



Antenna 0 / (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]
/ Non-Contiguous / 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier / QPSK / Low



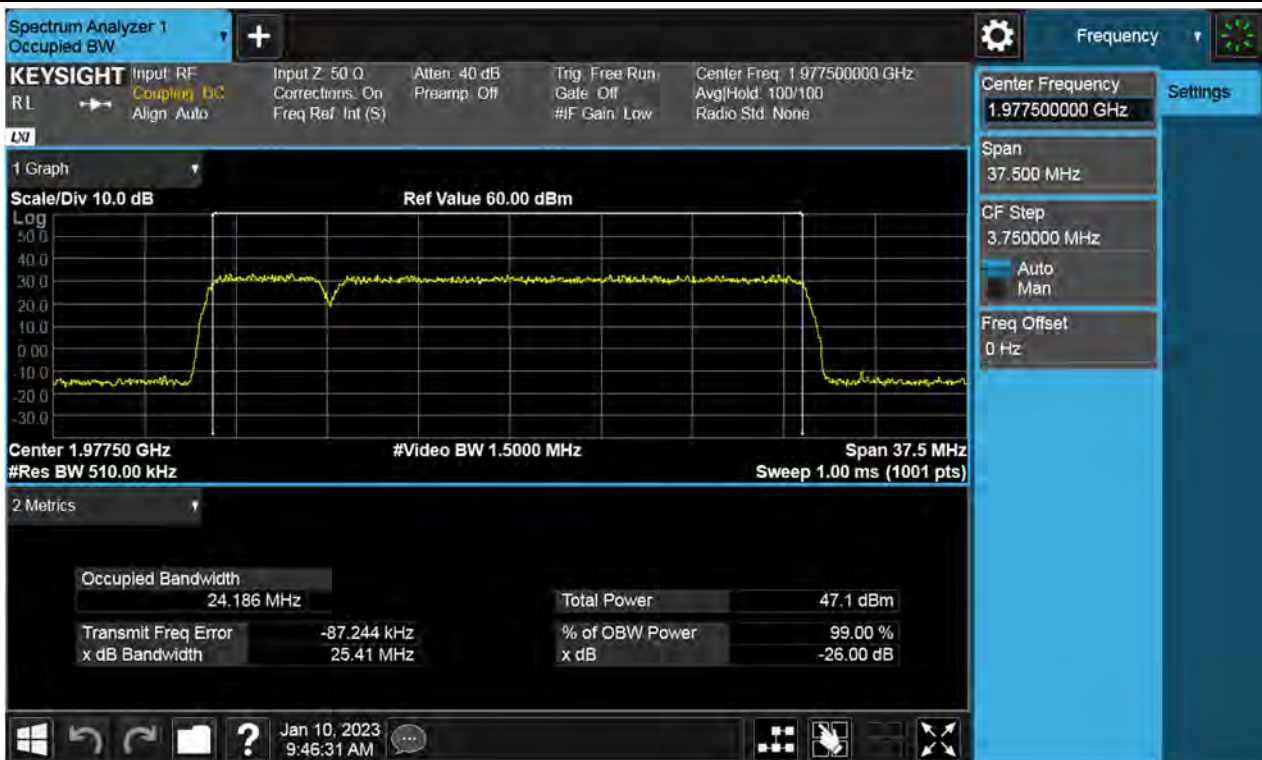
Antenna 0 / (4 Port) 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier [3 Carrier] [2C+1C]
/ Non-Contiguous / 5G NR n2 5 MHz 1 Carrier / QPSK / High



Antenna 0 / (4 Port) 5G NR n2 20 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier [3 Carrier][1C+2C]
/ Non-Contiguous / 5G NR n2 5 MHz 1 Carrier / 256QAM / Low



Antenna 0 / (4 Port) 5G NR n2 20 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier [3 Carrier][1C+2C]
/ Non-Contiguous / 5G NR n2 5 MHz 1 Carrier + 5G NR n2 20 MHz 1 Carrier / 256QAM / High



Antenna 3 / (4 Port) 5G NR n2 20 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier [3 Carrier][2C+1C]
/ Non-Contiguous / 5G NR n2 20 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier / 256QAM / Low



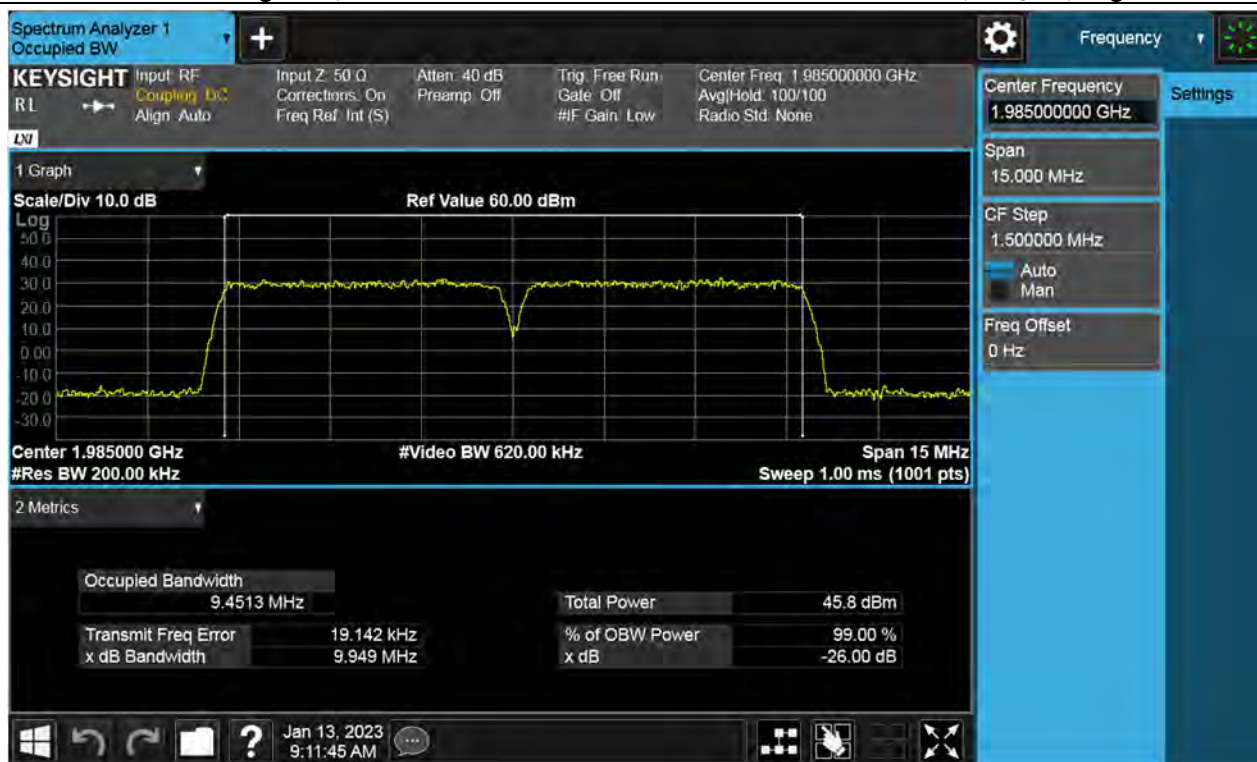
Antenna 3 / (4 Port) 5G NR n2 20 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier + 5G NR n2 5 MHz 1 Carrier [3 Carrier][2C+1C]
/ Non-Contiguous / 5G NR n2 5 MHz 1 Carrier / 256QAM / High



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



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



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



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



Antenna 0 / (4 Port) 5G NR n2 5 MHz 1 Carrier + 5G NR n2 20 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier [3 Carrier][1C+2C] / Non-Contiguous / LTE B2 5 MHz 1 Carrier / 256QAM / Low



Antenna 0 / (4 Port) 5G NR n2 5 MHz 1 Carrier + 5G NR n2 20 MHz 1 Carrier + LTE B2 5 MHz 1 Carrier [3 Carrier][1C+2C] / Non-Contiguous / 5G NR n2 5 MHz 1 Carrier + 5G NR n2 20 MHz 1 Carrier / 256QAM / High

