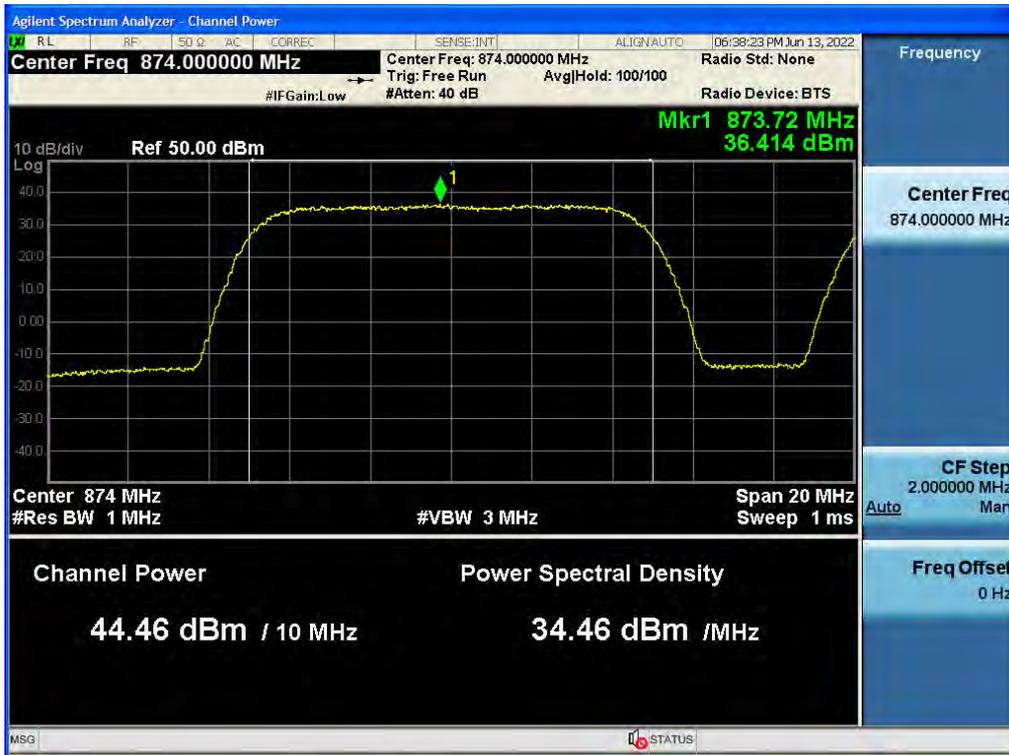


Antenna 0 / (2 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B5 DSS 10 MHz / 16QAM / Low



Antenna 0 / (2 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B5 DSS 10 MHz / 16QAM / High



Antenna 1 / (2 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 5 MHz / 16QAM / Low



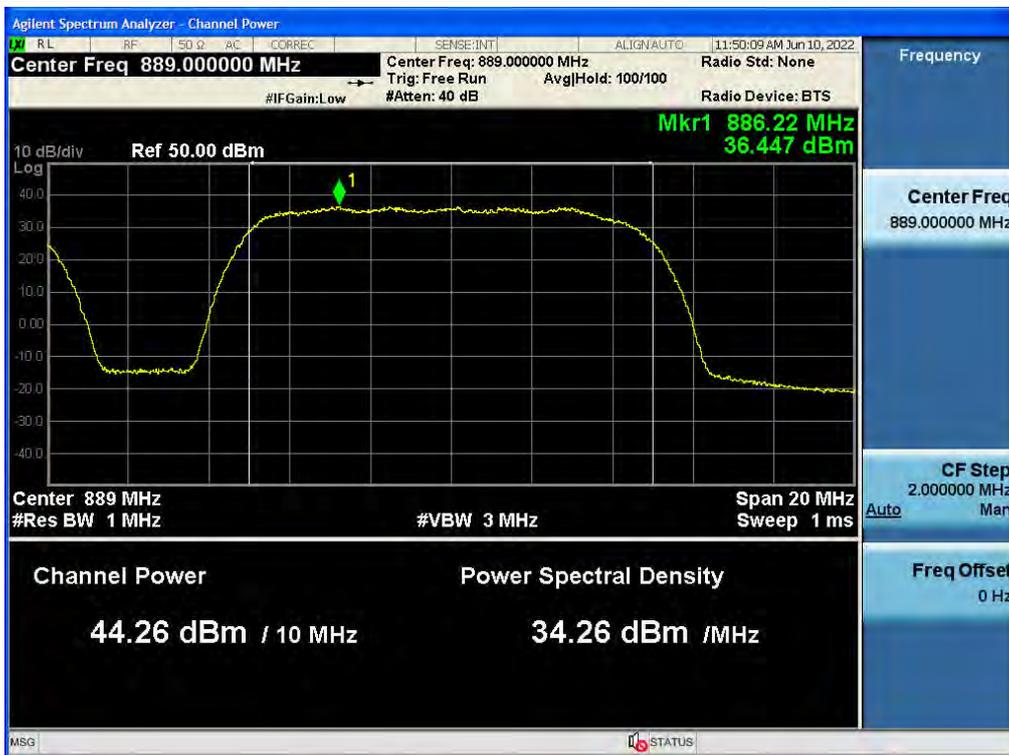
Antenna 1 / (2 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 5 MHz / 16QAM / High



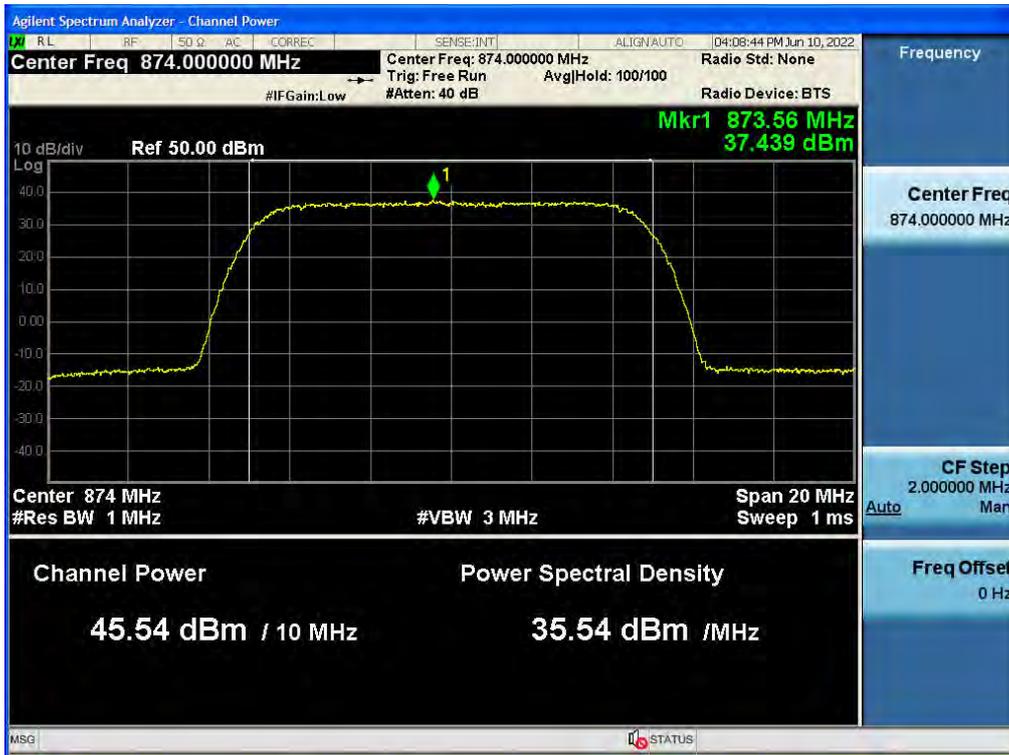
Antenna 1 / (2 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 10 MHz / 16QAM / Low



Antenna 1 / (2 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 10 MHz / 16QAM / High



Antenna 0 / (2 Port)B5 DSS 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B5 DSS 10 MHz / 16QAM / Low



Antenna 0 / (2 Port)B5 DSS 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / LTE B5 5 MHz / 16QAM / High



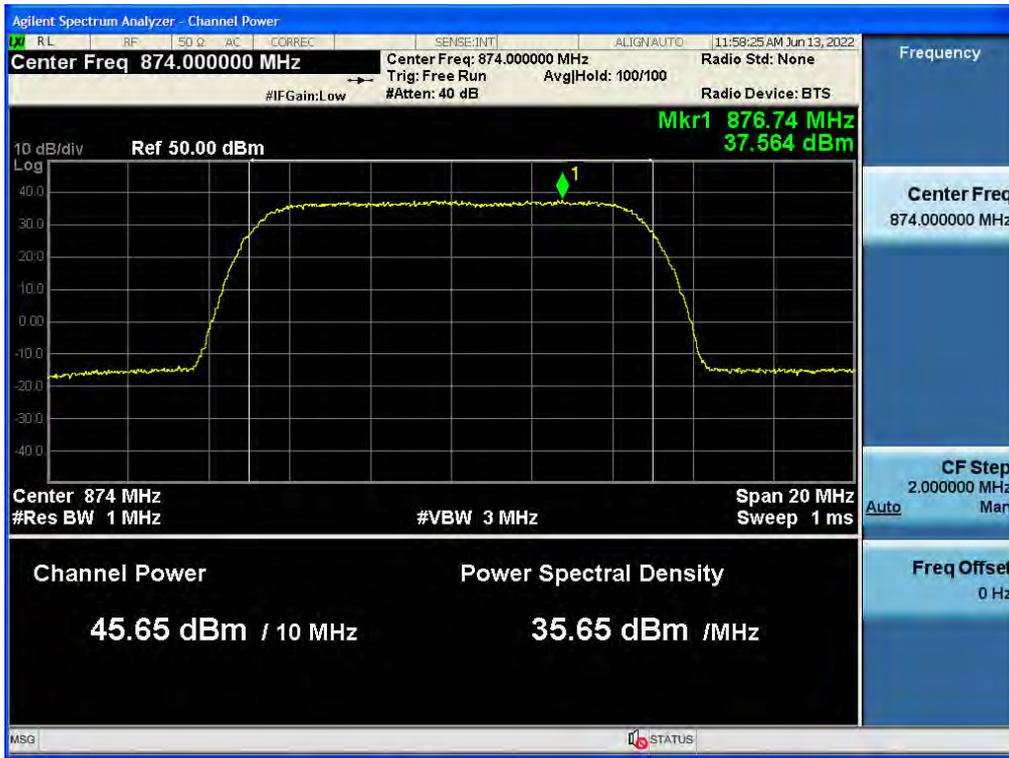
Antenna 1 / (2 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 5 MHz / 256QAM / Low



Antenna 1 / (2 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / LTE B5 5 MHz / 256QAM / High



Antenna 0 / (2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B5 DSS 10 MHz / 16QAM / Low



Antenna 0 / (2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 5 MHz / 16QAM / High



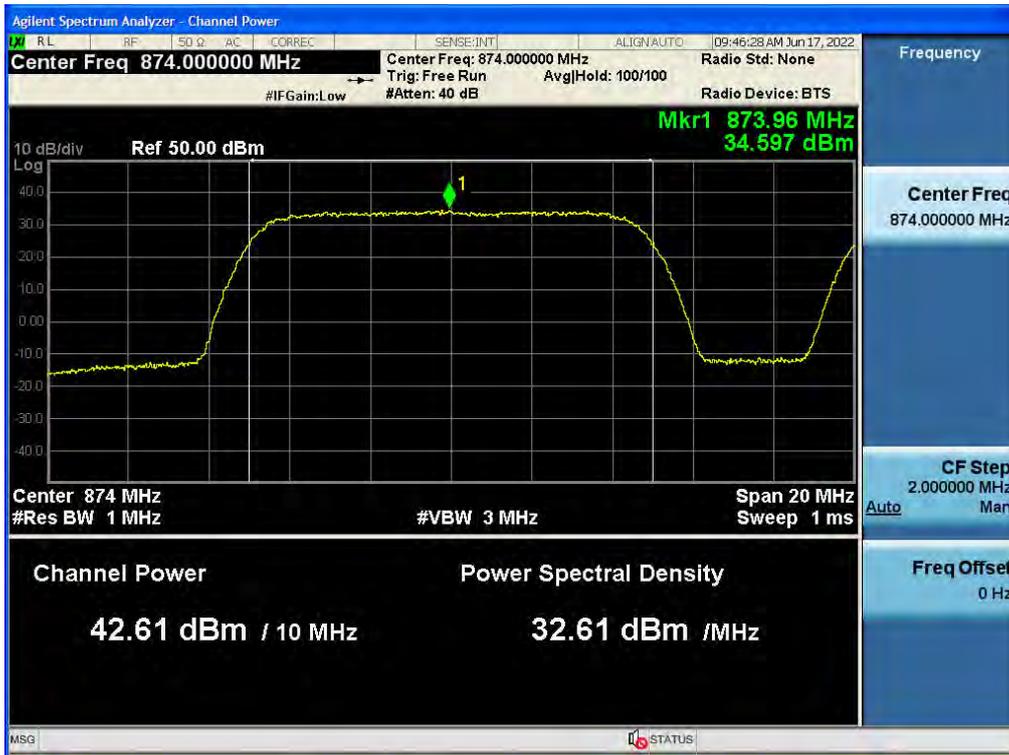
Antenna 0 / (2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B5 DSS 10 MHz / 16QAM / Low



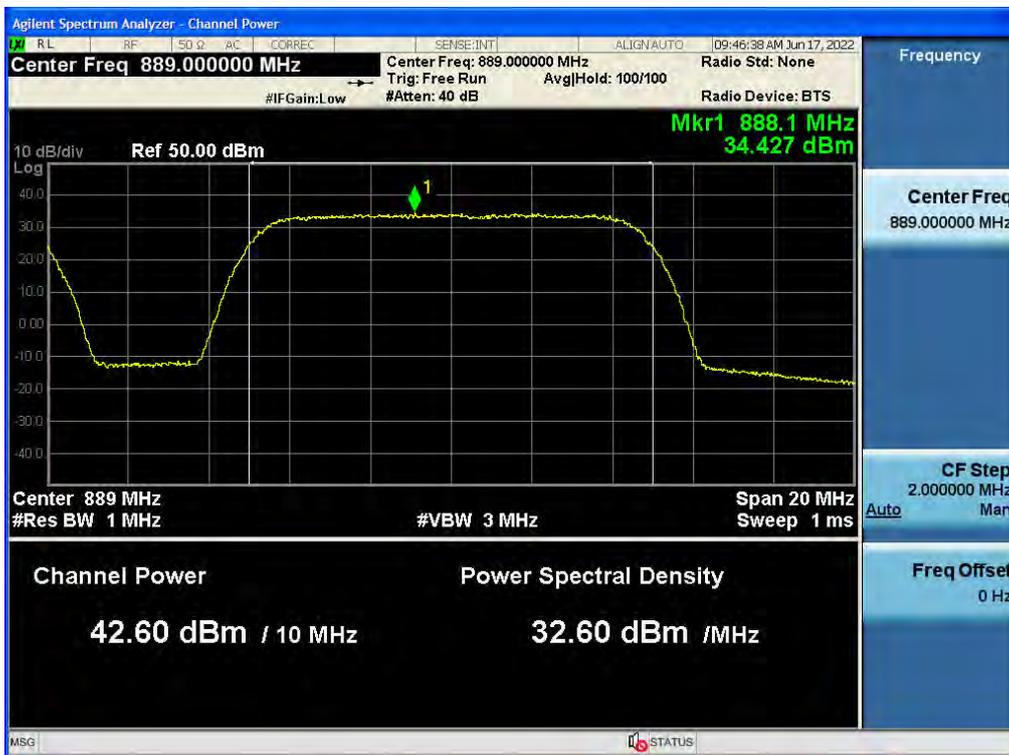
Antenna 0 / (2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 10 MHz / 16QAM / High



Antenna 0 / (4 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B5 DSS 10 MHz / 16QAM / Low



Antenna 0 / (4 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B5 DSS 10 MHz / 16QAM / High



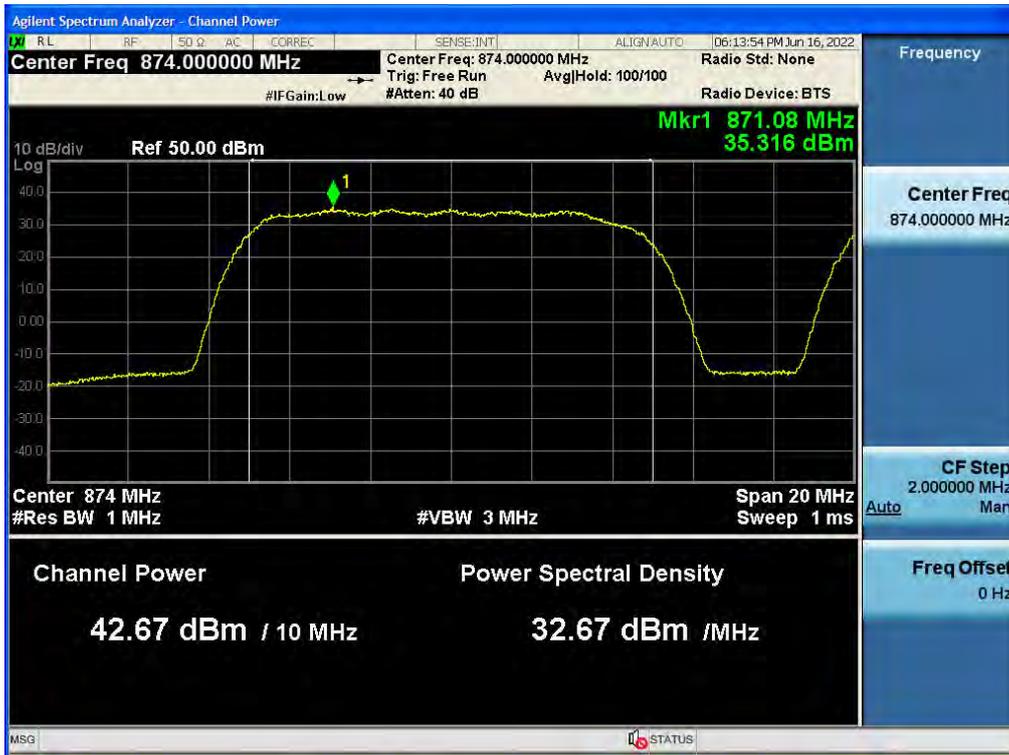
Antenna 1 / (4 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 5 MHz / 16QAM / Low



Antenna 1 / (4 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 5 MHz / 16QAM / High



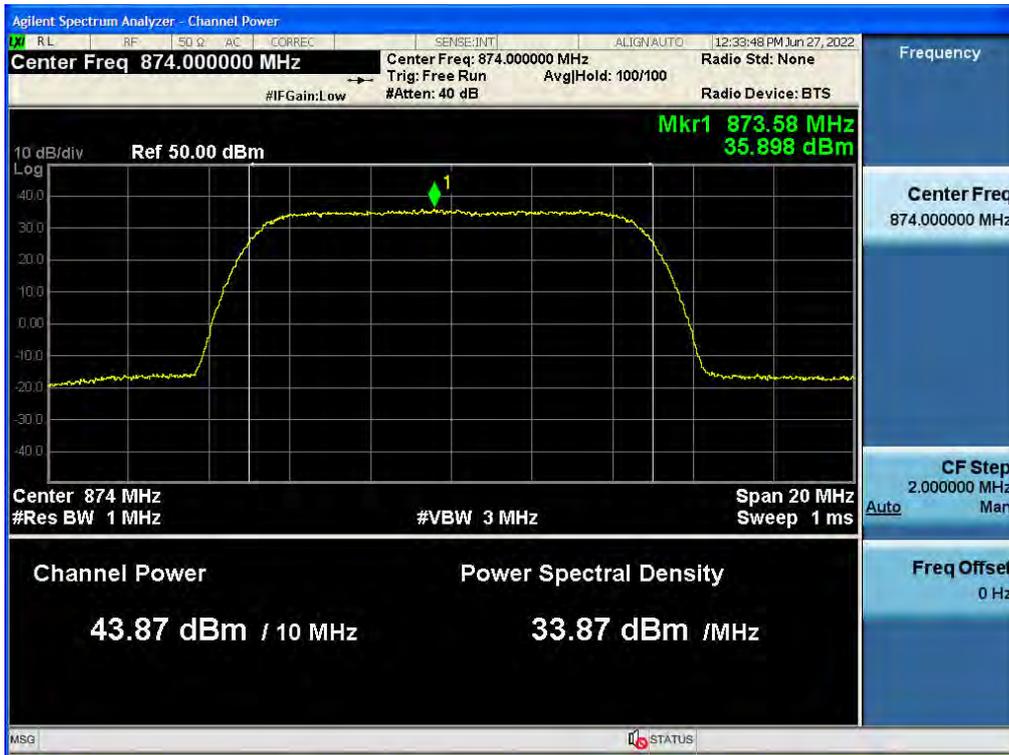
Antenna 1 / (4 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 10 MHz / 16QAM / Low



Antenna 1 / (4 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 10 MHz / 16QAM / High



Antenna 1 / (4 Port)B5 DSS 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B5 DSS 10 MHz / 16QAM / Low



Antenna 1 / (4 Port)B5 DSS 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / LTE B5 5 MHz / 16QAM / High



Antenna 3 / (4 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 5 MHz / 16QAM / Low



Antenna 3 / (4 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / LTE B5 5 MHz / 16QAM / High



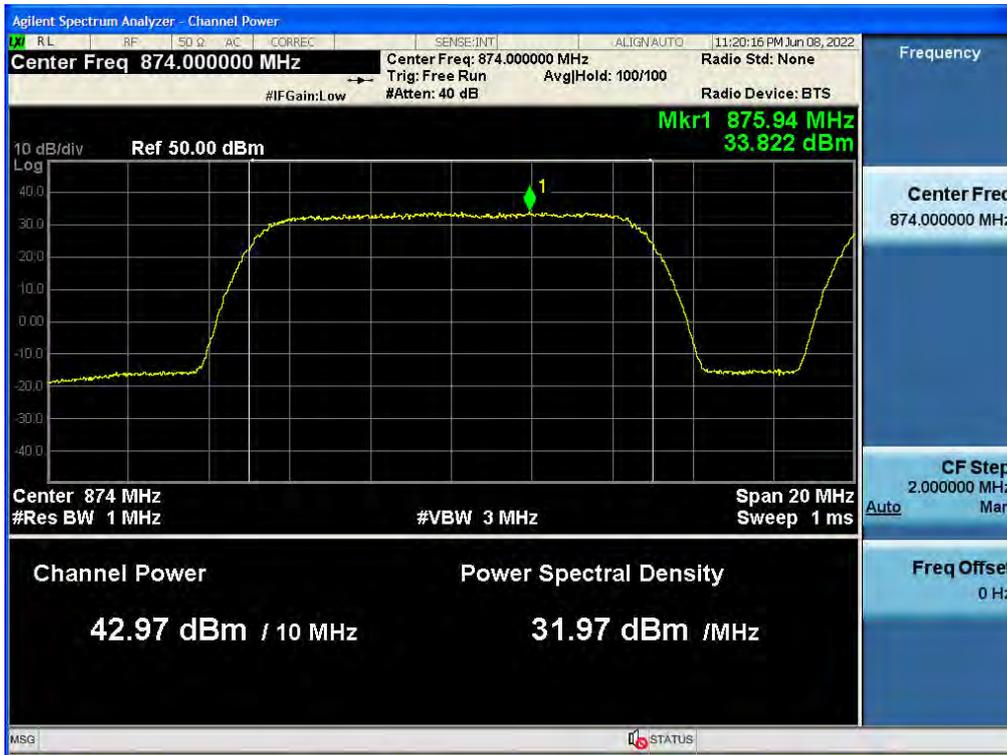
Antenna 1 / (4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B5 DSS 10 MHz / 16QAM / Low



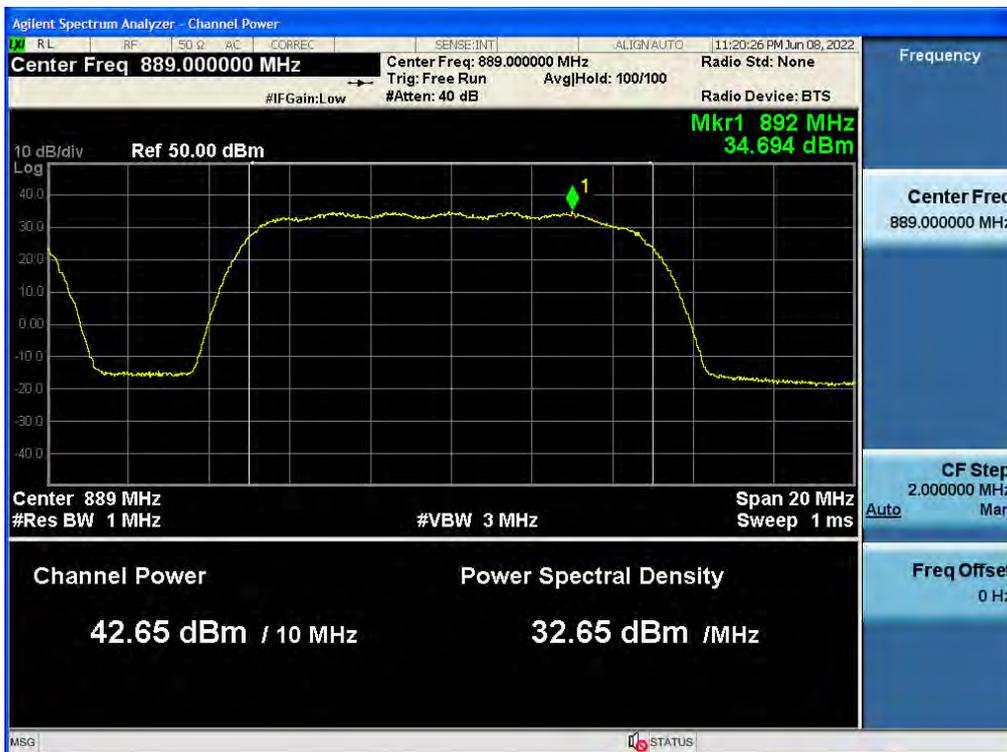
Antenna 1 / (4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 5 MHz / 16QAM / High



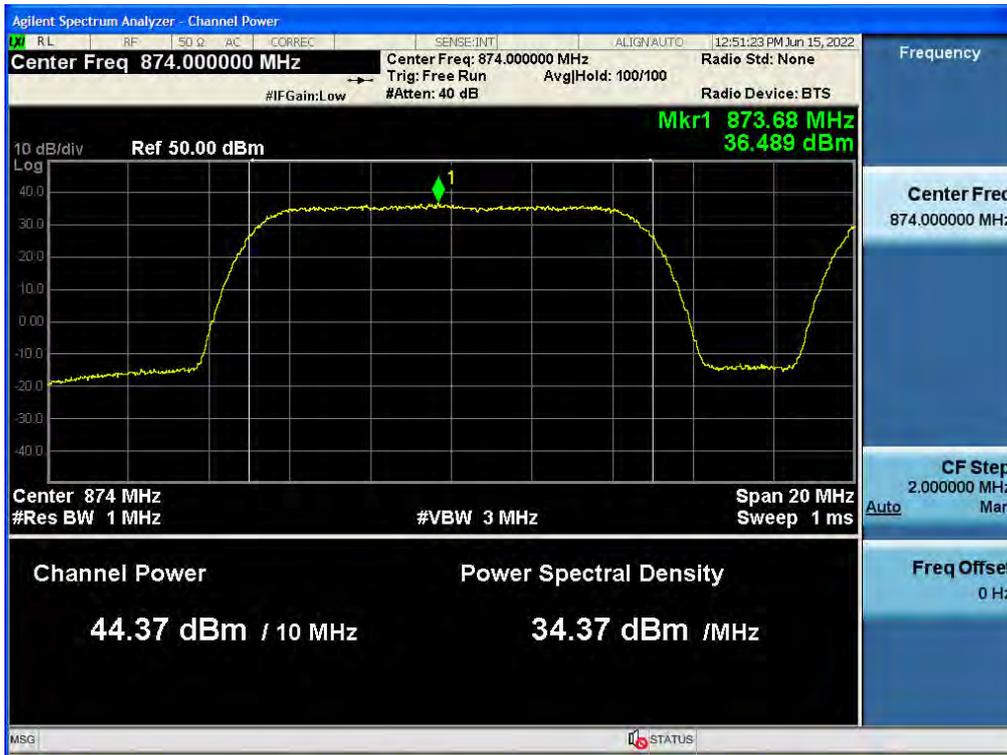
Antenna 3 / (4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B5 DSS 10 MHz / 16QAM / Low



Antenna 3 / (4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 10 MHz / 16QAM / High



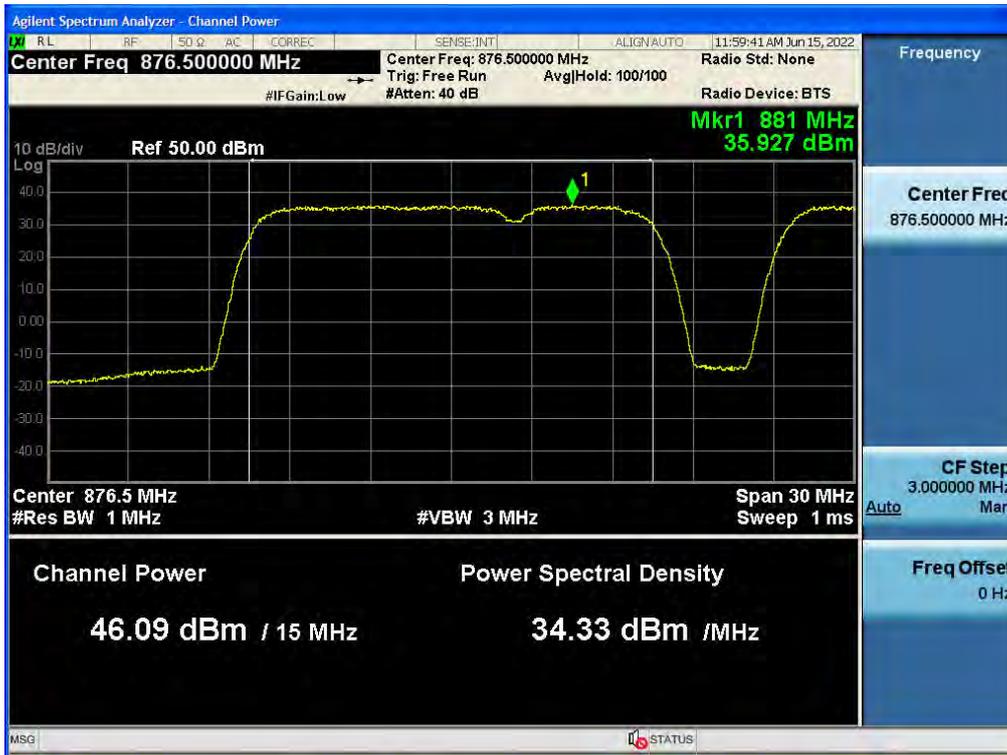
Antenna 1 / (2 Port)B5 DSS 10 MHz 1 Carrier + (5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier) [3 Carrier](1C+2C) / Non-Contiguous / B5 DSS 10 MHz / 16QAM / Low



Antenna 1 / (2 Port)B5 DSS 10 MHz 1 Carrier + (5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier) [3 Carrier](1C+2C) / Non-Contiguous / 5G NR n5 5 MHz + LTE B5 5 MHz / 16QAM / High



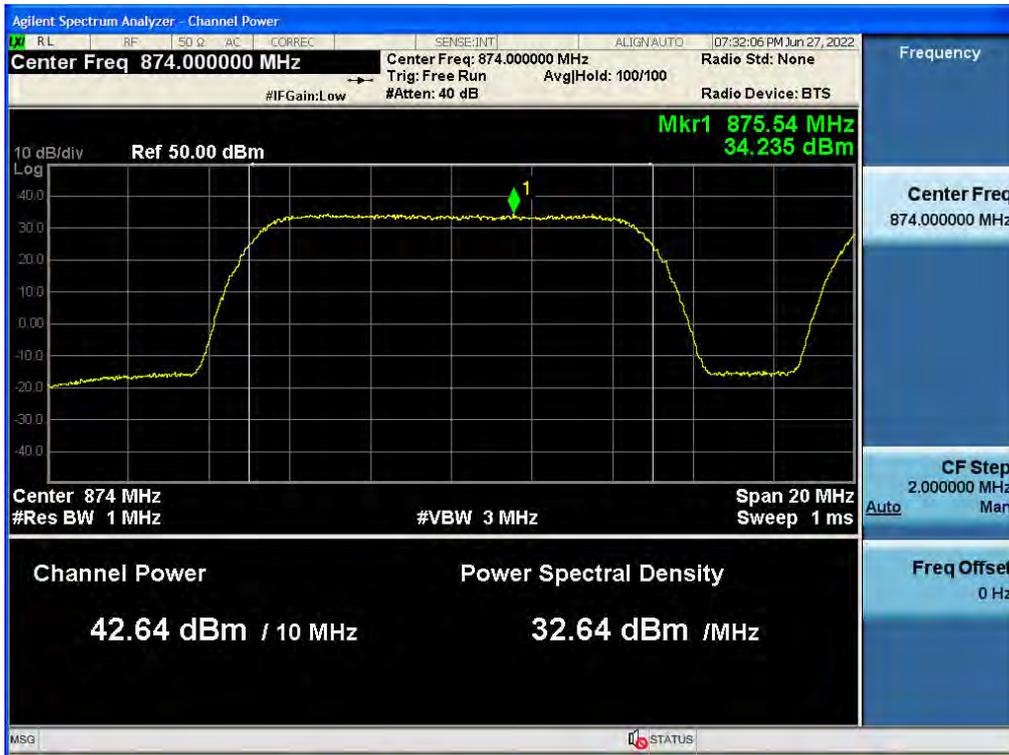
Antenna 0 / (2 Port)(B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier) + LTE B5 5 MHz 1 Carrier [3 Carrier](2C+1C) / Non-Contiguous / B5 DSS 10 MHz + 5G NR n5 5 MHz / 16QAM / Low



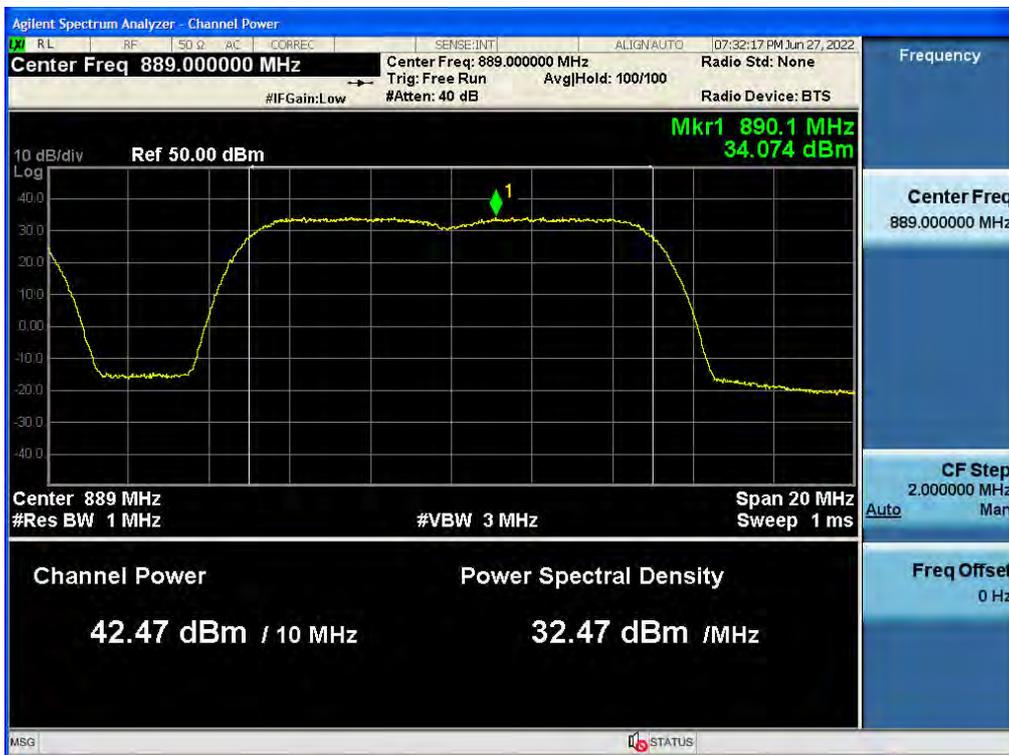
Antenna 0 / (2 Port)(B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier) + LTE B5 5 MHz 1 Carrier [3 Carrier](2C+1C) / Non-Contiguous / LTE B5 5 MHz / 16QAM / High



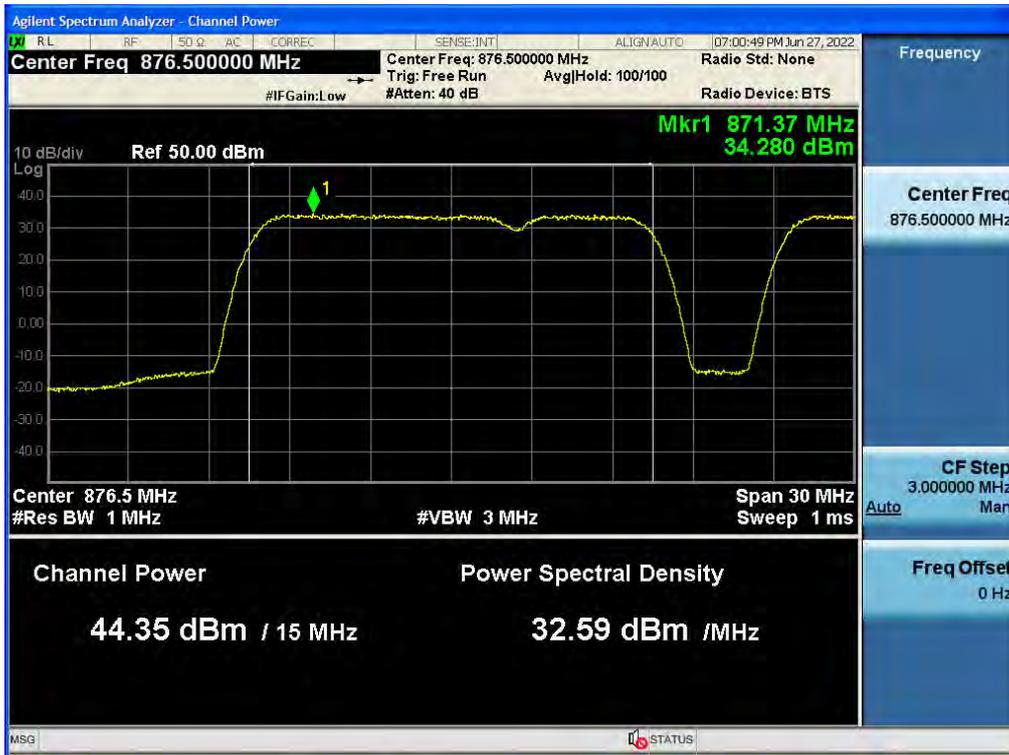
Antenna 1 / (4 Port)B5 DSS 10 MHz 1 Carrier + (5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier) [3 Carrier](1C+2C) / Non-Contiguous / B5 DSS 10 MHz / 64QAM / Low



Antenna 1 / (4 Port)B5 DSS 10 MHz 1 Carrier + (5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier) [3 Carrier](1C+2C) / Non-Contiguous / 5G NR n5 5 MHz + LTE B5 5 MHz / 64QAM / High



Antenna 1 / (4 Port)(B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier) + LTE B5 5 MHz 1 Carrier [3 Carrier](2C+1C) / Non-Contiguous / B5 DSS 10 MHz + 5G NR n5 5 MHz / 256QAM / Low



Antenna 1 / (4 Port)(B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier) + LTE B5 5 MHz 1 Carrier [3 Carrier](2C+1C) / Non-Contiguous / LTE B5 5 MHz / 256QAM / High



5.2. PAPR

Test Requirements:

§ 22.913 Effective radiated power limits.

(d) *Power measurement.* Measurement of the ERP of Cellular base transmitters and repeaters must be made using an average power measurement technique. The peak-to-average ratio (PAR) of the transmission must not exceed 13 dB.

§ 27.50 Power limits and duty cycle.

(b) The following power and antenna height limits apply to transmitters operating in the 746-758 MHz, 775-788 MHz and 805-806 MHz bands:

- (1) Fixed and base stations transmitting a signal in the 757-758 and 775-776 MHz bands must not exceed an effective radiated power (ERP) of 1000 watts and an antenna height of 305 m height above average terrain (HAAT), except that antenna heights greater than 305 m HAAT are permitted if power levels are reduced below 1000 watts ERP in accordance with Table 1 of this section.
- (2) Fixed and base stations transmitting a signal in the 746-757 MHz and 776-787 MHz bands with an emission bandwidth of 1 MHz or less must not exceed an ERP of 1000 watts and an antenna height of 305 m HAAT, except that antenna heights greater than 305 m HAAT are permitted if power levels are reduced below 1000 watts ERP in accordance with Table 1 of this section.
- (3) Fixed and base stations located in a county with population density of 100 or fewer persons per square mile, based upon the most recently available population statistics from the Bureau of the Census, and transmitting a signal in the 746-757 MHz and 776-787 MHz bands with an emission bandwidth of 1 MHz or less must not exceed an ERP of 2000 watts and an antenna height of 305 m HAAT, except that antenna heights greater than 305 m HAAT are permitted if power levels are reduced below 2000 watts ERP in accordance with Table 2 of this section.
- (4) Fixed and base stations transmitting a signal in the 746-757 MHz and 776-787 MHz bands with an emission bandwidth greater than 1 MHz must not exceed an ERP of 1000 watts/MHz and an antenna height of 305 m HAAT, except that antenna heights greater than 305 m HAAT are permitted if power levels are reduced below 1000 watts/MHz ERP in accordance with Table 3 of this section.
- (5) Fixed and base stations located in a county with population density of 100 or fewer persons per square mile, based upon the most recently available population statistics from the Bureau of the Census, and transmitting a signal in the 746-757 MHz and 776-787 MHz bands with an emission bandwidth greater than 1 MHz must not exceed an ERP of 2000 watts/MHz and an antenna height of 305 m HAAT, except that antenna heights greater than 305 m HAAT are permitted if power levels are reduced below 2000 watts/MHz ERP in accordance with Table 4 of this section.

Test Procedures:

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

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

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

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

Tabular data of PAPR

(2 Port)B5 DSS 10 MHz 2to8 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	874.00	8.04
		Middle	881.50	8.05
		High	889.00	8.06
	16QAM	Low	874.00	8.05
		Middle	881.50	8.07
		High	889.00	8.03
	64QAM	Low	874.00	8.01
		Middle	881.50	8.03
		High	889.00	8.03
	256QAM	Low	874.00	8.03
		Middle	881.50	8.02
		High	889.00	8.01
1	QPSK	Low	874.00	8.02
		Middle	881.50	8.04
		High	889.00	8.03
	16QAM	Low	874.00	8.03
		Middle	881.50	8.05
		High	889.00	8.02
	64QAM	Low	874.00	8.00
		Middle	881.50	8.00
		High	889.00	8.03
	256QAM	Low	874.00	8.02
		Middle	881.50	8.01
		High	889.00	7.99

(2 Port)B5 DSS 10 MHz 5to5 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	874.00	8.05
		Middle	881.50	8.06
		High	889.00	8.09
	16QAM	Low	874.00	8.06
		Middle	881.50	8.10
		High	889.00	8.06
	64QAM	Low	874.00	8.06
		Middle	881.50	8.07
		High	889.00	8.08
	256QAM	Low	874.00	8.06
		Middle	881.50	8.03
		High	889.00	8.04
1	QPSK	Low	874.00	8.05
		Middle	881.50	8.04
		High	889.00	8.07
	16QAM	Low	874.00	8.05
		Middle	881.50	8.05
		High	889.00	8.05
	64QAM	Low	874.00	8.05
		Middle	881.50	8.03
		High	889.00	8.03
	256QAM	Low	874.00	8.05
		Middle	881.50	8.01
		High	889.00	8.01

(2 Port)B5 DSS 10 MHz 9to1 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	874.00	8.10
		Middle	881.50	8.09
		High	889.00	8.11
	16QAM	Low	874.00	8.09
		Middle	881.50	8.12
		High	889.00	8.09
	64QAM	Low	874.00	8.10
		Middle	881.50	8.09
		High	889.00	8.07
	256QAM	Low	874.00	8.07
		Middle	881.50	8.08
		High	889.00	8.08
1	QPSK	Low	874.00	8.08
		Middle	881.50	8.08
		High	889.00	8.04
	16QAM	Low	874.00	8.08
		Middle	881.50	8.08
		High	889.00	8.06
	64QAM	Low	874.00	8.08
		Middle	881.50	8.07
		High	889.00	8.06
	256QAM	Low	874.00	8.08
		Middle	881.50	8.06
		High	889.00	8.05

(2 Port)5G NR n5 5 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	871.50	8.42
		Middle	881.50	8.38
		High	891.50	8.01
	16QAM	Low	871.50	8.05
		Middle	881.50	8.04
		High	891.50	8.34
	64QAM	Low	871.50	8.53
		Middle	881.50	8.44
		High	891.50	8.45
	256QAM	Low	871.50	8.37
		Middle	881.50	8.43
		High	891.50	8.43
1	QPSK	Low	871.50	7.99
		Middle	881.50	7.98
		High	891.50	7.97
	16QAM	Low	871.50	7.98
		Middle	881.50	7.97
		High	891.50	8.03
	64QAM	Low	871.50	8.00
		Middle	881.50	7.97
		High	891.50	8.04
	256QAM	Low	871.50	7.99
		Middle	881.50	8.05
		High	891.50	8.05

(2 Port)5G NR n5 10 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	874.00	7.99
		Middle	881.50	8.02
		High	889.00	8.02
	16QAM	Low	874.00	7.98
		Middle	881.50	8.00
		High	889.00	7.99
	64QAM	Low	874.00	7.99
		Middle	881.50	7.96
		High	889.00	7.99
	256QAM	Low	874.00	7.97
		Middle	881.50	8.01
		High	889.00	8.01
1	QPSK	Low	874.00	7.98
		Middle	881.50	8.01
		High	889.00	7.97
	16QAM	Low	874.00	7.96
		Middle	881.50	7.99
		High	889.00	7.98
	64QAM	Low	874.00	7.96
		Middle	881.50	7.94
		High	889.00	7.99
	256QAM	Low	874.00	7.97
		Middle	881.50	8.01
		High	889.00	7.97

(4 Port)5G NR n5 5 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	871.50	8.35
		Middle	881.50	8.41
		High	891.50	8.40
	16QAM	Low	871.50	8.29
		Middle	881.50	8.36
		High	891.50	8.29
	64QAM	Low	871.50	8.54
		Middle	881.50	8.52
		High	891.50	8.49
	256QAM	Low	871.50	8.56
		Middle	881.50	8.46
		High	891.50	8.44
1	QPSK	Low	871.50	8.43
		Middle	881.50	8.42
		High	891.50	8.37
	16QAM	Low	871.50	8.34
		Middle	881.50	8.32
		High	891.50	8.28
	64QAM	Low	871.50	8.50
		Middle	881.50	8.46
		High	891.50	8.56
	256QAM	Low	871.50	8.44
		Middle	881.50	8.36
		High	891.50	8.43

2	QPSK	Low	871.50	8.45
		Middle	881.50	8.43
		High	891.50	8.46
	16QAM	Low	871.50	8.31
		Middle	881.50	8.33
		High	891.50	8.39
	64QAM	Low	871.50	8.52
		Middle	881.50	8.51
		High	891.50	8.55
	256QAM	Low	871.50	8.44
		Middle	881.50	8.44
		High	891.50	8.39
3	QPSK	Low	871.50	8.44
		Middle	881.50	8.45
		High	891.50	8.45
	16QAM	Low	871.50	8.30
		Middle	881.50	8.34
		High	891.50	8.33
	64QAM	Low	871.50	8.53
		Middle	881.50	8.45
		High	891.50	8.56
	256QAM	Low	871.50	8.43
		Middle	881.50	8.42
		High	891.50	8.41

(2 Port)LTE B13 5 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	748.50	8.33
		Middle	751.00	8.45
		High	753.50	8.36
	16QAM	Low	748.50	8.38
		Middle	751.00	8.40
		High	753.50	8.45
	64QAM	Low	748.50	8.35
		Middle	751.00	8.31
		High	753.50	8.37
	256QAM	Low	748.50	7.52
		Middle	751.00	8.25
		High	753.50	7.51
1	QPSK	Low	748.50	7.51
		Middle	751.00	8.12
		High	753.50	8.02
	16QAM	Low	748.50	8.18
		Middle	751.00	8.14
		High	753.50	8.08
	64QAM	Low	748.50	8.05
		Middle	751.00	8.18
		High	753.50	7.54
	256QAM	Low	748.50	7.54
		Middle	751.00	8.14
		High	753.50	7.53

(4 Port)LTE B13 5 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	748.50	8.35
		Middle	751.00	8.33
		High	753.50	8.39
	16QAM	Low	748.50	8.44
		Middle	751.00	8.31
		High	753.50	8.48
	64QAM	Low	748.50	8.34
		Middle	751.00	8.31
		High	753.50	8.32
	256QAM	Low	748.50	8.28
		Middle	751.00	8.32
		High	753.50	8.27
1	QPSK	Low	748.50	8.34
		Middle	751.00	8.29
		High	753.50	8.31
	16QAM	Low	748.50	8.42
		Middle	751.00	8.31
		High	753.50	8.39
	64QAM	Low	748.50	8.30
		Middle	751.00	8.34
		High	753.50	8.26
	256QAM	Low	748.50	8.29
		Middle	751.00	8.31
		High	753.50	8.24

2	QPSK	Low	748.50	8.36
		Middle	751.00	8.27
		High	753.50	8.37
	16QAM	Low	748.50	8.30
		Middle	751.00	8.28
		High	753.50	8.36
	64QAM	Low	748.50	8.29
		Middle	751.00	8.29
		High	753.50	8.26
256QAM	Low	748.50	8.27	
	Middle	751.00	8.30	
	High	753.50	8.25	
3	QPSK	Low	748.50	8.32
		Middle	751.00	8.35
		High	753.50	8.34
	16QAM	Low	748.50	8.29
		Middle	751.00	8.26
		High	753.50	8.38
	64QAM	Low	748.50	8.32
		Middle	751.00	8.29
		High	753.50	8.28
256QAM	Low	748.50	8.28	
	Middle	751.00	8.26	
	High	753.50	8.29	

Tabular data of Contiguous PAPR

(2 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	879.00	8.08
		Middle	881.50	8.09
		High	884.00	8.06
	16QAM	Low	879.00	8.06
		Middle	881.50	8.07
		High	884.00	8.08
	64QAM	Low	879.00	8.08
		Middle	881.50	8.10
		High	884.00	8.06
	256QAM	Low	879.00	8.08
		Middle	881.50	8.33
		High	884.00	8.08
1	QPSK	Low	879.00	8.07
		Middle	881.50	8.67
		High	884.00	8.04
	16QAM	Low	879.00	8.03
		Middle	881.50	8.04
		High	884.00	8.07
	64QAM	Low	879.00	8.07
		Middle	881.50	8.04
		High	884.00	8.05
	256QAM	Low	879.00	8.06
		Middle	881.50	8.76
		High	884.00	8.06

(2 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	874.00	8.01
		Middle	881.50	8.04
		High	889.00	8.01
	16QAM	Low	874.00	7.98
		Middle	881.50	8.01
		High	889.00	8.02
	64QAM	Low	874.00	8.01
		Middle	881.50	8.02
		High	889.00	8.01
	256QAM	Low	874.00	8.04
		Middle	881.50	8.03
		High	889.00	8.03
1	QPSK	Low	874.00	8.02
		Middle	881.50	7.97
		High	889.00	7.98
	16QAM	Low	874.00	7.95
		Middle	881.50	8.00
		High	889.00	8.03
	64QAM	Low	874.00	8.02
		Middle	881.50	7.97
		High	889.00	7.97
	256QAM	Low	874.00	7.98
		Middle	881.50	8.00
		High	889.00	8.02

(2 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	879.00	7.97
		Middle	881.50	7.99
		High	884.00	7.98
	16QAM	Low	879.00	7.97
		Middle	881.50	7.98
		High	884.00	8.01
	64QAM	Low	879.00	7.98
		Middle	881.50	8.02
		High	884.00	7.98
	256QAM	Low	879.00	7.99
		Middle	881.50	8.00
		High	884.00	7.98
1	QPSK	Low	879.00	7.98
		Middle	881.50	7.96
		High	884.00	7.98
	16QAM	Low	879.00	7.98
		Middle	881.50	7.97
		High	884.00	7.96
	64QAM	Low	879.00	7.97
		Middle	881.50	7.99
		High	884.00	8.01
	256QAM	Low	879.00	8.00
		Middle	881.50	8.02
		High	884.00	8.00

(2 Port)B5 DSS 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	876.50	8.07
		Middle	881.50	8.07
		High	886.50	8.02
	16QAM	Low	876.50	8.08
		Middle	881.50	8.07
		High	886.50	8.04
	64QAM	Low	876.50	8.09
		Middle	881.50	8.09
		High	886.50	8.02
	256QAM	Low	876.50	8.05
		Middle	881.50	8.08
		High	886.50	8.03
1	QPSK	Low	876.50	8.04
		Middle	881.50	8.03
		High	886.50	8.03
	16QAM	Low	876.50	8.03
		Middle	881.50	8.07
		High	886.50	8.04
	64QAM	Low	876.50	8.08
		Middle	881.50	8.07
		High	886.50	8.03
	256QAM	Low	876.50	8.04
		Middle	881.50	8.07
		High	886.50	8.01

(2 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	874.00	8.01
		Middle	881.50	8.02
		High	889.00	8.01
	16QAM	Low	874.00	7.99
		Middle	881.50	8.01
		High	889.00	8.02
	64QAM	Low	874.00	7.98
		Middle	881.50	7.95
		High	889.00	7.99
	256QAM	Low	874.00	8.02
		Middle	881.50	8.02
		High	889.00	8.00
1	QPSK	Low	874.00	7.99
		Middle	881.50	8.00
		High	889.00	8.00
	16QAM	Low	874.00	8.03
		Middle	881.50	8.00
		High	889.00	8.01
	64QAM	Low	874.00	8.00
		Middle	881.50	8.00
		High	889.00	7.97
	256QAM	Low	874.00	7.97
		Middle	881.50	8.04
		High	889.00	8.02

(2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	876.50	8.06
		Middle	881.50	8.11
		High	886.50	8.06
	16QAM	Low	876.50	8.09
		Middle	881.50	8.06
		High	886.50	8.07
	64QAM	Low	876.50	8.12
		Middle	881.50	8.13
		High	886.50	8.04
	256QAM	Low	876.50	8.09
		Middle	881.50	8.11
		High	886.50	8.06
1	QPSK	Low	876.50	8.08
		Middle	881.50	8.08
		High	886.50	8.03
	16QAM	Low	876.50	8.07
		Middle	881.50	8.08
		High	886.50	8.02
	64QAM	Low	876.50	8.12
		Middle	881.50	8.10
		High	886.50	8.03
	256QAM	Low	876.50	8.09
		Middle	881.50	8.10
		High	886.50	8.03

(2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	879.00	8.01
		Middle	881.50	8.04
		High	884.00	8.04
	16QAM	Low	879.00	8.01
		Middle	881.50	8.05
		High	884.00	8.04
	64QAM	Low	879.00	8.05
		Middle	881.50	8.82
		High	884.00	8.06
	256QAM	Low	879.00	8.26
		Middle	881.50	8.04
		High	884.00	8.07
1	QPSK	Low	879.00	8.01
		Middle	881.50	8.01
		High	884.00	8.03
	16QAM	Low	879.00	8.01
		Middle	881.50	7.99
		High	884.00	8.01
	64QAM	Low	879.00	8.00
		Middle	881.50	8.02
		High	884.00	8.02
	256QAM	Low	879.00	8.01
		Middle	881.50	8.03
		High	884.00	8.04

(4 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	879.00	8.10
		Middle	881.50	8.11
		High	884.00	8.08
	16QAM	Low	879.00	8.09
		Middle	881.50	8.15
		High	884.00	8.08
	64QAM	Low	879.00	8.08
		Middle	881.50	8.26
		High	884.00	8.13
	256QAM	Low	879.00	8.20
		Middle	881.50	8.13
		High	884.00	8.07
1	QPSK	Low	879.00	8.05
		Middle	881.50	8.11
		High	884.00	8.10
	16QAM	Low	879.00	8.08
		Middle	881.50	8.09
		High	884.00	8.07
	64QAM	Low	879.00	8.08
		Middle	881.50	8.06
		High	884.00	8.08
	256QAM	Low	879.00	8.06
		Middle	881.50	8.09
		High	884.00	8.10

2	QPSK	Low	879.00	8.05
		Middle	881.50	8.08
		High	884.00	8.03
	16QAM	Low	879.00	8.05
		Middle	881.50	8.10
		High	884.00	8.06
	64QAM	Low	879.00	8.09
		Middle	881.50	8.08
		High	884.00	8.10
	256QAM	Low	879.00	8.07
		Middle	881.50	8.09
		High	884.00	8.05
3	QPSK	Low	879.00	8.09
		Middle	881.50	8.12
		High	884.00	8.08
	16QAM	Low	879.00	8.09
		Middle	881.50	8.08
		High	884.00	8.09
	64QAM	Low	879.00	8.10
		Middle	881.50	8.10
		High	884.00	8.06
	256QAM	Low	879.00	8.08
		Middle	881.50	8.11
		High	884.00	8.09

(4 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	874.00	8.40
		Middle	881.50	8.43
		High	889.00	8.03
	16QAM	Low	874.00	8.45
		Middle	881.50	8.38
		High	889.00	8.37
	64QAM	Low	874.00	8.42
		Middle	881.50	8.42
		High	889.00	8.47
	256QAM	Low	874.00	8.42
		Middle	881.50	8.36
		High	889.00	8.44
1	QPSK	Low	874.00	8.03
		Middle	881.50	8.10
		High	889.00	8.01
	16QAM	Low	874.00	8.13
		Middle	881.50	8.03
		High	889.00	7.98
	64QAM	Low	874.00	8.01
		Middle	881.50	8.04
		High	889.00	8.02
	256QAM	Low	874.00	8.00
		Middle	881.50	8.13
		High	889.00	8.01

2	QPSK	Low	874.00	8.00
		Middle	881.50	8.05
		High	889.00	8.04
	16QAM	Low	874.00	8.00
		Middle	881.50	8.02
		High	889.00	7.99
	64QAM	Low	874.00	8.02
		Middle	881.50	8.02
		High	889.00	8.03
256QAM	Low	874.00	8.01	
	Middle	881.50	8.03	
	High	889.00	8.03	
3	QPSK	Low	874.00	8.02
		Middle	881.50	8.06
		High	889.00	8.03
	16QAM	Low	874.00	8.03
		Middle	881.50	8.04
		High	889.00	8.05
	64QAM	Low	874.00	8.04
		Middle	881.50	8.09
		High	889.00	8.04
256QAM	Low	874.00	8.03	
	Middle	881.50	8.05	
	High	889.00	8.00	

(4 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	879.00	8.01
		Middle	881.50	8.04
		High	884.00	8.05
	16QAM	Low	879.00	8.12
		Middle	881.50	8.45
		High	884.00	8.36
	64QAM	Low	879.00	8.41
		Middle	881.50	8.02
		High	884.00	8.32
	256QAM	Low	879.00	8.42
		Middle	881.50	8.03
		High	884.00	8.34
1	QPSK	Low	879.00	7.97
		Middle	881.50	8.00
		High	884.00	8.02
	16QAM	Low	879.00	8.00
		Middle	881.50	7.99
		High	884.00	8.00
	64QAM	Low	879.00	7.98
		Middle	881.50	8.00
		High	884.00	8.02
	256QAM	Low	879.00	8.00
		Middle	881.50	8.02
		High	884.00	7.99

2	QPSK	Low	879.00	8.03
		Middle	881.50	8.03
		High	884.00	8.01
	16QAM	Low	879.00	8.00
		Middle	881.50	8.01
		High	884.00	7.99
	64QAM	Low	879.00	7.99
		Middle	881.50	8.01
		High	884.00	7.99
	256QAM	Low	879.00	7.98
		Middle	881.50	8.01
		High	884.00	7.99
3	QPSK	Low	879.00	8.01
		Middle	881.50	8.02
		High	884.00	8.03
	16QAM	Low	879.00	8.01
		Middle	881.50	8.00
		High	884.00	8.01
	64QAM	Low	879.00	8.01
		Middle	881.50	8.01
		High	884.00	8.04
	256QAM	Low	879.00	8.02
		Middle	881.50	8.01
		High	884.00	8.04

(4 Port)B5 DSS 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	876.50	8.51
		Middle	881.50	8.36
		High	886.50	8.06
	16QAM	Low	876.50	8.27
		Middle	881.50	8.39
		High	886.50	8.36
	64QAM	Low	876.50	8.38
		Middle	881.50	8.38
		High	886.50	8.37
	256QAM	Low	876.50	8.38
		Middle	881.50	8.35
		High	886.50	8.33
1	QPSK	Low	876.50	8.45
		Middle	881.50	8.32
		High	886.50	8.02
	16QAM	Low	876.50	8.20
		Middle	881.50	8.15
		High	886.50	8.02
	64QAM	Low	876.50	8.25
		Middle	881.50	8.15
		High	886.50	8.05
	256QAM	Low	876.50	8.18
		Middle	881.50	8.06
		High	886.50	8.03

2	QPSK	Low	876.50	8.05
		Middle	881.50	8.10
		High	886.50	8.03
	16QAM	Low	876.50	8.05
		Middle	881.50	8.08
		High	886.50	8.05
	64QAM	Low	876.50	8.05
		Middle	881.50	8.07
		High	886.50	8.06
256QAM	Low	876.50	8.05	
	Middle	881.50	8.07	
	High	886.50	8.04	
3	QPSK	Low	876.50	8.22
		Middle	881.50	8.29
		High	886.50	8.04
	16QAM	Low	876.50	8.33
		Middle	881.50	8.07
		High	886.50	8.05
	64QAM	Low	876.50	8.14
		Middle	881.50	8.08
		High	886.50	8.07
256QAM	Low	876.50	8.12	
	Middle	881.50	8.05	
	High	886.50	8.04	

(4 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	874.00	8.44
		Middle	881.50	8.45
		High	889.00	8.31
	16QAM	Low	874.00	8.41
		Middle	881.50	8.38
		High	889.00	8.48
	64QAM	Low	874.00	8.45
		Middle	881.50	8.40
		High	889.00	8.38
	256QAM	Low	874.00	8.44
		Middle	881.50	8.37
		High	889.00	8.45
1	QPSK	Low	874.00	8.13
		Middle	881.50	8.23
		High	889.00	8.17
	16QAM	Low	874.00	8.13
		Middle	881.50	8.26
		High	889.00	8.19
	64QAM	Low	874.00	8.17
		Middle	881.50	8.31
		High	889.00	8.18
	256QAM	Low	874.00	8.15
		Middle	881.50	8.28
		High	889.00	8.19

2	QPSK	Low	874.00	8.02
		Middle	881.50	8.02
		High	889.00	8.03
	16QAM	Low	874.00	7.97
		Middle	881.50	8.02
		High	889.00	8.02
	64QAM	Low	874.00	8.07
		Middle	881.50	8.06
		High	889.00	8.02
	256QAM	Low	874.00	7.99
		Middle	881.50	8.07
		High	889.00	8.01
3	QPSK	Low	874.00	8.05
		Middle	881.50	8.02
		High	889.00	8.05
	16QAM	Low	874.00	8.02
		Middle	881.50	8.07
		High	889.00	8.00
	64QAM	Low	874.00	8.04
		Middle	881.50	8.07
		High	889.00	8.00
	256QAM	Low	874.00	8.03
		Middle	881.50	8.03
		High	889.00	8.03

(4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	876.50	8.38
		Middle	881.50	8.09
		High	886.50	8.44
	16QAM	Low	876.50	8.40
		Middle	881.50	8.10
		High	886.50	8.04
	64QAM	Low	876.50	8.18
		Middle	881.50	8.26
		High	886.50	8.41
	256QAM	Low	876.50	8.22
		Middle	881.50	8.27
		High	886.50	8.42
1	QPSK	Low	876.50	8.05
		Middle	881.50	8.11
		High	886.50	8.05
	16QAM	Low	876.50	8.07
		Middle	881.50	8.06
		High	886.50	8.08
	64QAM	Low	876.50	8.09
		Middle	881.50	8.10
		High	886.50	8.09
	256QAM	Low	876.50	8.08
		Middle	881.50	8.10
		High	886.50	8.18

2	QPSK	Low	876.50	8.07
		Middle	881.50	8.09
		High	886.50	8.06
	16QAM	Low	876.50	8.06
		Middle	881.50	8.07
		High	886.50	8.05
	64QAM	Low	876.50	8.08
		Middle	881.50	8.08
		High	886.50	8.05
	256QAM	Low	876.50	8.09
		Middle	881.50	8.11
		High	886.50	8.04
3	QPSK	Low	876.50	8.05
		Middle	881.50	8.08
		High	886.50	8.06
	16QAM	Low	876.50	8.06
		Middle	881.50	8.09
		High	886.50	8.08
	64QAM	Low	876.50	8.07
		Middle	881.50	8.07
		High	886.50	8.07
	256QAM	Low	876.50	8.05
		Middle	881.50	8.11
		High	886.50	8.03

(4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	879.00	8.45
		Middle	881.50	8.41
		High	884.00	8.44
	16QAM	Low	879.00	8.05
		Middle	881.50	8.06
		High	884.00	8.40
	64QAM	Low	879.00	8.03
		Middle	881.50	8.04
		High	884.00	8.44
	256QAM	Low	879.00	8.02
		Middle	881.50	8.07
		High	884.00	8.45
1	QPSK	Low	879.00	8.02
		Middle	881.50	8.21
		High	884.00	8.08
	16QAM	Low	879.00	8.05
		Middle	881.50	8.06
		High	884.00	8.09
	64QAM	Low	879.00	8.05
		Middle	881.50	8.05
		High	884.00	8.07
	256QAM	Low	879.00	8.04
		Middle	881.50	8.05
		High	884.00	8.11

2	QPSK	Low	879.00	8.03
		Middle	881.50	8.03
		High	884.00	8.04
	16QAM	Low	879.00	8.06
		Middle	881.50	8.04
		High	884.00	8.04
	64QAM	Low	879.00	8.05
		Middle	881.50	8.04
		High	884.00	8.04
	256QAM	Low	879.00	8.05
		Middle	881.50	8.04
		High	884.00	8.06
3	QPSK	Low	879.00	8.05
		Middle	881.50	8.05
		High	884.00	8.04
	16QAM	Low	879.00	8.08
		Middle	881.50	8.06
		High	884.00	8.03
	64QAM	Low	879.00	8.04
		Middle	881.50	8.05
		High	884.00	8.02
	256QAM	Low	879.00	8.04
		Middle	881.50	8.05
		High	884.00	8.07

(2 Port)LTE B13 5 MHz 1 Carrier + LTE B13 5 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Middle	751.00	7.54
	16QAM	Middle	751.00	7.71
	64QAM	Middle	751.00	7.73
	256QAM	Middle	751.00	7.75
1	QPSK	Middle	751.00	7.51
	16QAM	Middle	751.00	7.49
	64QAM	Middle	751.00	7.58
	256QAM	Middle	751.00	7.59

(4 Port)LTE B13 5 MHz 1 Carrier + LTE B13 5 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Middle	751.00	7.62
	16QAM	Middle	751.00	7.83
	64QAM	Middle	751.00	7.84
	256QAM	Middle	751.00	7.84
1	QPSK	Middle	751.00	7.61
	16QAM	Middle	751.00	7.53
	64QAM	Middle	751.00	7.60
	256QAM	Middle	751.00	7.62
2	QPSK	Middle	751.00	7.61
	16QAM	Middle	751.00	7.62
	64QAM	Middle	751.00	7.59
	256QAM	Middle	751.00	7.56
3	QPSK	Middle	751.00	7.53
	16QAM	Middle	751.00	7.61
	64QAM	Middle	751.00	7.61
	256QAM	Middle	751.00	7.63

(2 Port)B5 DSS 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier + LTE B5 10 MHz 1 Carrier [3 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Middle	881.50	8.29
	16QAM	Middle	881.50	8.34
	64QAM	Middle	881.50	8.22
	256QAM	Middle	881.50	8.23
1	QPSK	Middle	881.50	8.42
	16QAM	Middle	881.50	8.35
	64QAM	Middle	881.50	8.26
	256QAM	Middle	881.50	8.24

(2 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Middle	881.50	8.01
	16QAM	Middle	881.50	8.16
	64QAM	Middle	881.50	8.00
	256QAM	Middle	881.50	8.00
1	QPSK	Middle	881.50	8.02
	16QAM	Middle	881.50	8.01
	64QAM	Middle	881.50	8.02
	256QAM	Middle	881.50	8.02

(2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Middle	881.50	8.04
	16QAM	Middle	881.50	8.06
	64QAM	Middle	881.50	8.04
	256QAM	Middle	881.50	8.05
1	QPSK	Middle	881.50	8.04
	16QAM	Middle	881.50	8.04
	64QAM	Middle	881.50	8.06
	256QAM	Middle	881.50	8.04

(2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	879.00	8.04
		Middle	881.50	8.06
		High	884.00	8.03
	16QAM	Low	879.00	8.06
		Middle	881.50	8.06
		High	884.00	8.07
	64QAM	Low	879.00	8.07
		Middle	881.50	8.05
		High	884.00	8.00
256QAM	Low	879.00	8.04	
	Middle	881.50	8.07	
	High	884.00	8.03	
1	QPSK	Low	879.00	8.01
		Middle	881.50	8.01
		High	884.00	8.01
	16QAM	Low	879.00	8.04
		Middle	881.50	8.02
		High	884.00	8.02
	64QAM	Low	879.00	8.05
		Middle	881.50	8.05
		High	884.00	8.00
256QAM	Low	879.00	8.02	
	Middle	881.50	8.05	
	High	884.00	8.04	

(4 Port)B5 DSS 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier + LTE B5 10 MHz 1 Carrier [3 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Middle	881.50	8.04
	16QAM	Middle	881.50	8.34
	64QAM	Middle	881.50	8.23
	256QAM	Middle	881.50	8.23
1	QPSK	Middle	881.50	8.04
	16QAM	Middle	881.50	8.04
	64QAM	Middle	881.50	8.13
	256QAM	Middle	881.50	8.09
2	QPSK	Middle	881.50	8.12
	16QAM	Middle	881.50	8.13
	64QAM	Middle	881.50	8.10
	256QAM	Middle	881.50	8.11
3	QPSK	Middle	881.50	8.02
	16QAM	Middle	881.50	8.07
	64QAM	Middle	881.50	8.11
	256QAM	Middle	881.50	8.11

(4 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Middle	881.50	8.01
	16QAM	Middle	881.50	8.11
	64QAM	Middle	881.50	8.03
	256QAM	Middle	881.50	8.04
1	QPSK	Middle	881.50	8.12
	16QAM	Middle	881.50	8.10
	64QAM	Middle	881.50	8.02
	256QAM	Middle	881.50	8.03
2	QPSK	Middle	881.50	8.09
	16QAM	Middle	881.50	8.08
	64QAM	Middle	881.50	8.00
	256QAM	Middle	881.50	8.00
3	QPSK	Middle	881.50	8.11
	16QAM	Middle	881.50	8.12
	64QAM	Middle	881.50	8.17
	256QAM	Middle	881.50	8.01

(4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Middle	881.50	8.10
	16QAM	Middle	881.50	8.17
	64QAM	Middle	881.50	8.08
	256QAM	Middle	881.50	8.11
1	QPSK	Middle	881.50	8.05
	16QAM	Middle	881.50	8.05
	64QAM	Middle	881.50	8.05
	256QAM	Middle	881.50	8.03
2	QPSK	Middle	881.50	8.06
	16QAM	Middle	881.50	8.05
	64QAM	Middle	881.50	8.08
	256QAM	Middle	881.50	8.03
3	QPSK	Middle	881.50	8.01
	16QAM	Middle	881.50	8.05
	64QAM	Middle	881.50	8.10
	256QAM	Middle	881.50	8.03

(4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	879.00	8.04
		Middle	881.50	8.09
		High	884.00	8.33
	16QAM	Low	879.00	8.36
		Middle	881.50	8.06
		High	884.00	8.04
	64QAM	Low	879.00	8.04
		Middle	881.50	8.11
		High	884.00	8.01
	256QAM	Low	879.00	8.03
		Middle	881.50	8.09
		High	884.00	8.02
1	QPSK	Low	879.00	8.05
		Middle	881.50	8.03
		High	884.00	8.02
	16QAM	Low	879.00	8.03
		Middle	881.50	8.05
		High	884.00	8.03
	64QAM	Low	879.00	8.04
		Middle	881.50	8.05
		High	884.00	8.02
	256QAM	Low	879.00	8.06
		Middle	881.50	8.05
		High	884.00	8.03

2	QPSK	Low	879.00	8.09
		Middle	881.50	8.08
		High	884.00	8.07
	16QAM	Low	879.00	8.05
		Middle	881.50	8.09
		High	884.00	8.06
	64QAM	Low	879.00	8.06
		Middle	881.50	8.04
		High	884.00	8.05
	256QAM	Low	879.00	8.07
		Middle	881.50	8.06
		High	884.00	8.05
3	QPSK	Low	879.00	8.05
		Middle	881.50	8.05
		High	884.00	8.05
	16QAM	Low	879.00	8.02
		Middle	881.50	8.06
		High	884.00	8.07
	64QAM	Low	879.00	8.05
		Middle	881.50	8.05
		High	884.00	8.06
	256QAM	Low	879.00	8.07
		Middle	881.50	8.04
		High	884.00	8.03

Tabular data of Non-Contiguous PAPR
(2 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	B5 DSS 10 MHz		B5 DSS 10 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	874.00	8.28	889.00	8.28
	16QAM	874.00	8.22	889.00	8.20
	64QAM	874.00	8.30	889.00	8.29
	256QAM	874.00	8.33	889.00	8.31
1	QPSK	874.00	8.27	889.00	8.29
	16QAM	874.00	8.18	889.00	8.16
	64QAM	874.00	8.25	889.00	8.25
	256QAM	874.00	8.30	889.00	8.28

(2 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	5G NR n5 5 MHz		5G NR n5 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	871.50	8.20	891.50	8.20
	16QAM	871.50	8.30	891.50	8.19
	64QAM	871.50	8.23	891.50	8.22
	256QAM	871.50	8.17	891.50	8.21
1	QPSK	871.50	8.13	891.50	8.16
	16QAM	871.50	8.28	891.50	8.20
	64QAM	871.50	8.17	891.50	8.16
	256QAM	871.50	8.21	891.50	8.18

(2 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	5G NR n5 10 MHz		5G NR n5 10 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	874.00	8.23	889.00	8.28
	16QAM	874.00	8.21	889.00	8.18
	64QAM	874.00	8.25	889.00	8.29
	256QAM	874.00	8.22	889.00	8.23
1	QPSK	874.00	8.20	889.00	8.23
	16QAM	874.00	8.28	889.00	8.22
	64QAM	874.00	8.23	889.00	8.27
	256QAM	874.00	8.28	889.00	8.25

(2 Port)B5 DSS 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	B5 DSS 10 MHz		LTE B5 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	874.00	8.14	891.50	8.32
	16QAM	874.00	8.19	891.50	8.35
	64QAM	874.00	8.22	891.50	8.35
	256QAM	874.00	8.22	891.50	8.24
1	QPSK	874.00	8.13	891.50	8.29
	16QAM	874.00	8.18	891.50	8.37
	64QAM	874.00	8.21	891.50	8.39
	256QAM	874.00	8.22	891.50	8.23

(2 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	5G NR n5 5 MHz		LTE B5 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	871.50	8.21	891.50	8.15
	16QAM	871.50	8.09	891.50	8.09
	64QAM	871.50	8.21	891.50	8.10
	256QAM	871.50	8.15	891.50	8.19
1	QPSK	871.50	8.22	891.50	8.17
	16QAM	871.50	8.12	891.50	8.14
	64QAM	871.50	8.18	891.50	8.05
	256QAM	871.50	8.16	891.50	8.19

(2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	B5 DSS 10 MHz		5G NR n5 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	874.00	8.15	891.50	8.28
	16QAM	874.00	8.11	891.50	8.28
	64QAM	874.00	8.17	891.50	8.15
	256QAM	874.00	8.21	891.50	8.37
1	QPSK	874.00	8.14	891.50	8.31
	16QAM	874.00	8.14	891.50	8.27
	64QAM	874.00	8.15	891.50	8.22
	256QAM	874.00	8.21	891.50	8.38

(2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	B5 DSS 10 MHz		5G NR n5 10 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	874.00	8.26	889.00	8.40
	16QAM	874.00	8.20	889.00	8.26
	64QAM	874.00	8.27	889.00	8.29
	256QAM	874.00	8.28	889.00	8.33
1	QPSK	874.00	8.27	889.00	8.33
	16QAM	874.00	8.20	889.00	8.16
	64QAM	874.00	8.30	889.00	8.32
	256QAM	874.00	8.32	889.00	8.32

(4 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	B5 DSS 10 MHz		B5 DSS 10 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	874.00	8.28	889.00	8.26
	16QAM	874.00	8.27	889.00	8.36
	64QAM	874.00	8.28	889.00	8.30
	256QAM	874.00	8.91	889.00	8.65
1	QPSK	874.00	8.24	889.00	8.25
	16QAM	874.00	8.23	889.00	8.20
	64QAM	874.00	8.24	889.00	8.31
	256QAM	874.00	8.83	889.00	8.70
2	QPSK	874.00	8.28	889.00	8.30
	16QAM	874.00	8.23	889.00	8.22
	64QAM	874.00	8.27	889.00	8.31
	256QAM	874.00	8.73	889.00	8.67
3	QPSK	874.00	8.24	889.00	8.31
	16QAM	874.00	8.21	889.00	8.18
	64QAM	874.00	8.29	889.00	8.33
	256QAM	874.00	8.57	889.00	8.56

(4 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	5G NR n5 5 MHz		5G NR n5 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	871.50	8.22	891.50	8.09
	16QAM	871.50	8.19	891.50	8.29
	64QAM	871.50	8.43	891.50	8.29
	256QAM	871.50	8.38	891.50	8.36
1	QPSK	871.50	8.19	891.50	8.13
	16QAM	871.50	8.07	891.50	8.12
	64QAM	871.50	8.24	891.50	8.16
	256QAM	871.50	8.18	891.50	8.13
2	QPSK	871.50	8.25	891.50	8.17
	16QAM	871.50	8.17	891.50	8.21
	64QAM	871.50	8.24	891.50	8.12
	256QAM	871.50	8.24	891.50	8.18
3	QPSK	871.50	8.18	891.50	8.13
	16QAM	871.50	8.11	891.50	8.17
	64QAM	871.50	8.30	891.50	8.19
	256QAM	871.50	8.28	891.50	8.26

(4 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	5G NR n5 10 MHz		5G NR n5 10 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	874.00	8.22	889.00	8.13
	16QAM	874.00	8.17	889.00	8.37
	64QAM	874.00	8.32	889.00	8.35
	256QAM	874.00	8.35	889.00	8.36
1	QPSK	874.00	8.23	889.00	8.15
	16QAM	874.00	8.15	889.00	8.24
	64QAM	874.00	8.22	889.00	8.31
	256QAM	874.00	8.37	889.00	8.32
2	QPSK	874.00	8.22	889.00	8.23
	16QAM	874.00	8.13	889.00	8.29
	64QAM	874.00	8.22	889.00	8.35
	256QAM	874.00	8.34	889.00	8.27
3	QPSK	874.00	8.25	889.00	8.29
	16QAM	874.00	8.13	889.00	8.27
	64QAM	874.00	8.21	889.00	8.32
	256QAM	874.00	8.33	889.00	8.34

(4 Port)B5 DSS 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	B5 DSS 10 MHz		LTE B5 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	874.00	8.19	891.50	8.29
	16QAM	874.00	8.30	891.50	8.41
	64QAM	874.00	8.36	891.50	8.47
	256QAM	874.00	8.41	891.50	8.46
1	QPSK	874.00	8.15	891.50	8.28
	16QAM	874.00	8.14	891.50	8.32
	64QAM	874.00	8.18	891.50	8.36
	256QAM	874.00	8.20	891.50	8.30
2	QPSK	874.00	8.16	891.50	8.34
	16QAM	874.00	8.11	891.50	8.29
	64QAM	874.00	8.19	891.50	8.35
	256QAM	874.00	8.21	891.50	8.39
3	QPSK	874.00	8.14	891.50	8.34
	16QAM	874.00	8.12	891.50	8.35
	64QAM	874.00	8.16	891.50	8.39
	256QAM	874.00	8.20	891.50	8.33

(4 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	5G NR n5 5 MHz		LTE B5 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	871.50	8.30	891.50	8.37
	16QAM	871.50	8.22	891.50	8.23
	64QAM	871.50	8.42	891.50	8.30
	256QAM	871.50	8.34	891.50	8.30
1	QPSK	871.50	8.06	891.50	8.17
	16QAM	871.50	8.15	891.50	8.14
	64QAM	871.50	8.16	891.50	8.07
	256QAM	871.50	8.19	891.50	8.25
2	QPSK	871.50	8.22	891.50	8.17
	16QAM	871.50	8.14	891.50	8.15
	64QAM	871.50	8.20	891.50	8.12
	256QAM	871.50	8.23	891.50	8.28
3	QPSK	871.50	8.14	891.50	8.23
	16QAM	871.50	8.17	891.50	8.18
	64QAM	871.50	8.22	891.50	8.13
	256QAM	871.50	8.28	891.50	8.31

(4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	B5 DSS 10 MHz		5G NR n5 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	874.00	8.13	891.50	8.31
	16QAM	874.00	8.16	891.50	8.29
	64QAM	874.00	8.21	891.50	8.39
	256QAM	874.00	8.23	891.50	8.44
1	QPSK	874.00	8.13	891.50	8.23
	16QAM	874.00	8.15	891.50	8.34
	64QAM	874.00	8.19	891.50	8.38
	256QAM	874.00	8.24	891.50	8.45
2	QPSK	874.00	8.15	891.50	8.28
	16QAM	874.00	8.14	891.50	8.31
	64QAM	874.00	8.20	891.50	8.40
	256QAM	874.00	8.23	891.50	8.50
3	QPSK	874.00	8.14	891.50	8.28
	16QAM	874.00	8.16	891.50	8.28
	64QAM	874.00	8.19	891.50	8.42
	256QAM	874.00	8.18	891.50	8.49

(4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	B5 DSS 10 MHz		5G NR n5 10 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	874.00	8.38	889.00	8.49
	16QAM	874.00	8.50	889.00	8.32
	64QAM	874.00	8.29	889.00	8.28
	256QAM	874.00	8.32	889.00	8.35
1	QPSK	874.00	8.24	889.00	8.34
	16QAM	874.00	8.57	889.00	8.32
	64QAM	874.00	8.28	889.00	8.29
	256QAM	874.00	8.28	889.00	8.33
2	QPSK	874.00	8.27	889.00	8.31
	16QAM	874.00	8.58	889.00	8.34
	64QAM	874.00	8.29	889.00	8.29
	256QAM	874.00	8.31	889.00	8.31
3	QPSK	874.00	8.23	889.00	8.42
	16QAM	874.00	8.51	889.00	8.31
	64QAM	874.00	8.31	889.00	8.29
	256QAM	874.00	8.29	889.00	8.36

(2 Port)B5 DSS 10 MHz 1 Carrier + (5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier) [3 Carrier](1C+2C)

Ant.	Modulation	B5 DSS 10 MHz		5G NR n5 5 MHz + LTE B5 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	874.00	8.25	889.00	8.21
	16QAM	874.00	8.23	889.00	8.25
	64QAM	874.00	8.31	889.00	8.26
	256QAM	874.00	8.37	889.00	8.32
1	QPSK	874.00	8.27	889.00	8.23
	16QAM	874.00	8.29	889.00	8.23
	64QAM	874.00	8.29	889.00	8.30
	256QAM	874.00	8.36	889.00	8.26

(2 Port)(B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier) + LTE B5 5 MHz 1 Carrier [3 Carrier](2C+1C)

Ant.	Modulation	B5 DSS 10 MHz + 5G NR n5 5 MHz		LTE B5 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	876.50	8.25	891.50	8.44
	16QAM	876.50	8.23	891.50	8.43
	64QAM	876.50	8.29	891.50	8.44
	256QAM	876.50	8.22	891.50	8.35
1	QPSK	876.50	8.21	891.50	8.31
	16QAM	876.50	8.21	891.50	8.46
	64QAM	876.50	8.27	891.50	8.42
	256QAM	876.50	8.22	891.50	8.35

(4 Port)B5 DSS 10 MHz 1 Carrier + (5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier) [3 Carrier](1C+2C)

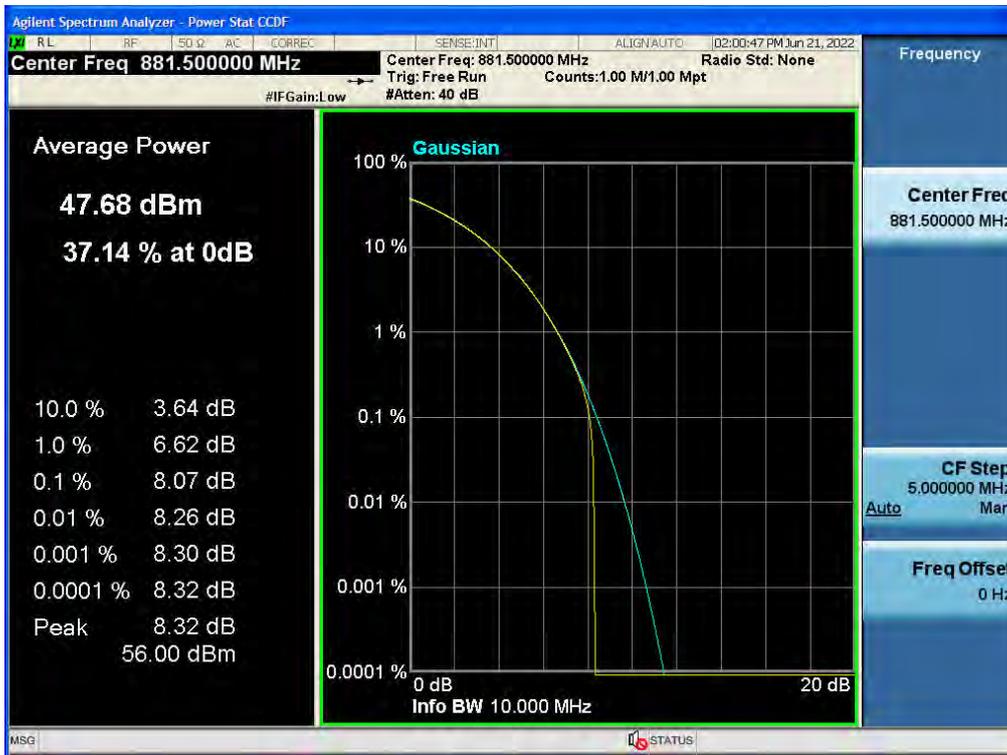
Ant.	Modulation	B5 DSS 10 MHz		5G NR n5 5 MHz + LTE B5 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	874.00	8.40	889.00	8.41
	16QAM	874.00	8.25	889.00	8.28
	64QAM	874.00	8.25	889.00	8.28
	256QAM	874.00	8.28	889.00	8.29
1	QPSK	874.00	8.28	889.00	8.32
	16QAM	874.00	8.21	889.00	8.21
	64QAM	874.00	8.27	889.00	8.28
	256QAM	874.00	8.29	889.00	8.25
2	QPSK	874.00	8.27	889.00	8.31
	16QAM	874.00	8.25	889.00	8.20
	64QAM	874.00	8.28	889.00	8.30
	256QAM	874.00	8.26	889.00	8.32
3	QPSK	874.00	8.29	889.00	8.32
	16QAM	874.00	8.22	889.00	8.20
	64QAM	874.00	8.26	889.00	8.29
	256QAM	874.00	8.27	889.00	8.27

(4 Port)(B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier) + LTE B5 5 MHz 1 Carrier [3 Carrier](2C+1C)

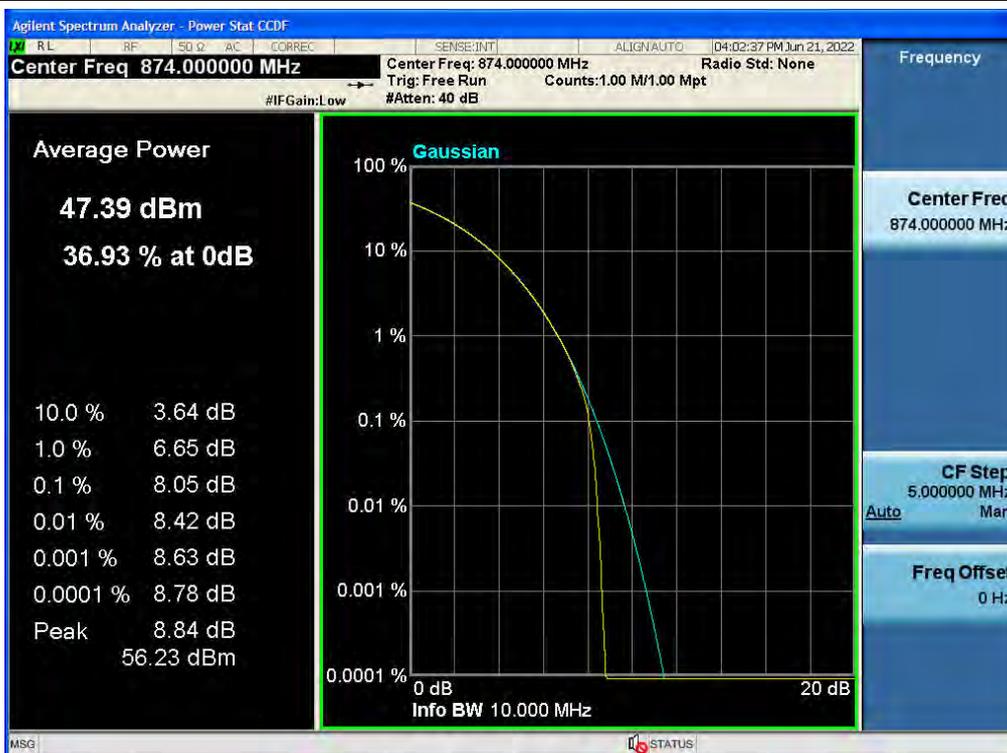
Ant.	Modulation	B5 DSS 10 MHz + 5G NR n5 5 MHz		LTE B5 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	876.50	8.38	891.50	8.49
	16QAM	876.50	8.20	891.50	8.39
	64QAM	876.50	8.22	891.50	8.32
	256QAM	876.50	8.26	891.50	8.45
1	QPSK	876.50	8.28	891.50	8.44
	16QAM	876.50	8.21	891.50	8.44
	64QAM	876.50	8.29	891.50	8.46
	256QAM	876.50	8.26	891.50	8.46
2	QPSK	876.50	8.23	891.50	8.43
	16QAM	876.50	8.22	891.50	8.38
	64QAM	876.50	8.21	891.50	8.45
	256QAM	876.50	8.20	891.50	8.46
3	QPSK	876.50	8.24	891.50	8.47
	16QAM	876.50	8.23	891.50	8.37
	64QAM	876.50	8.27	891.50	8.43
	256QAM	876.50	8.23	891.50	8.41

Plot Data of PAPR

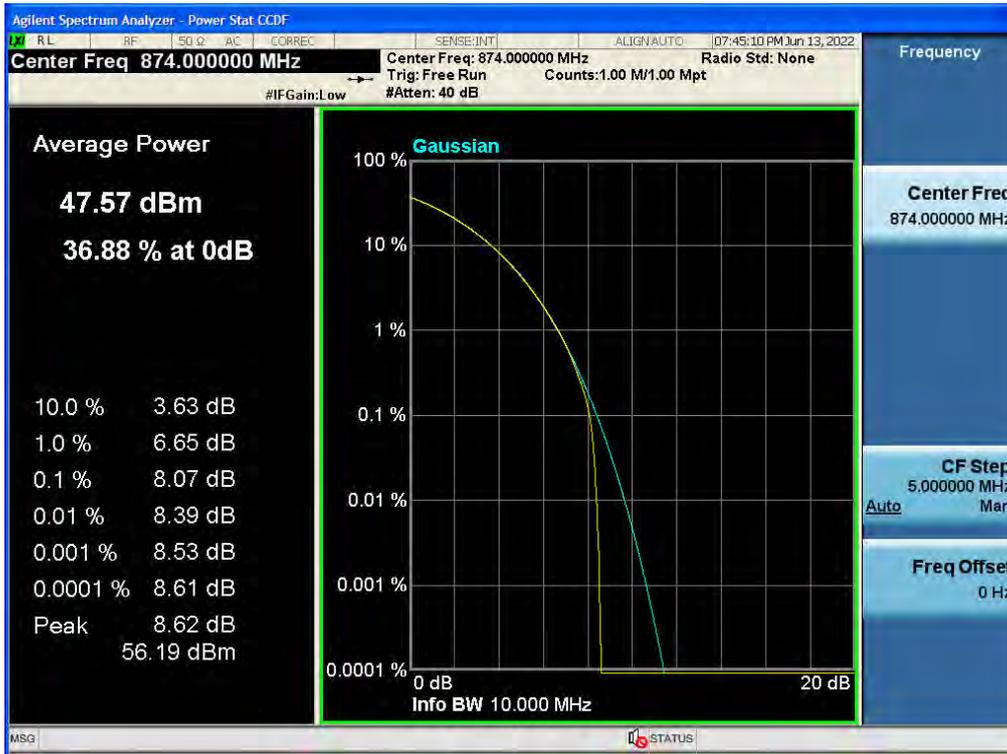
Antenna 0 / (2 Port)B5 DSS 10 MHz 2to8 1 Carrier / 16QAM / Middle



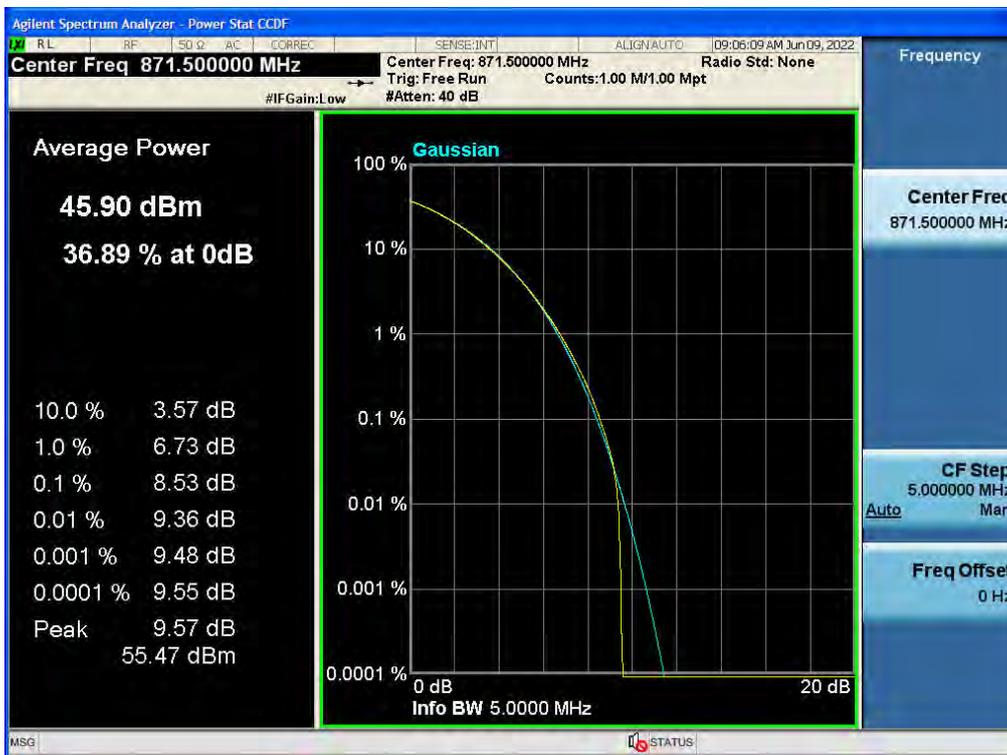
Antenna 1 / (2 Port)B5 DSS 10 MHz 5to5 1 Carrier / 256QAM / Low



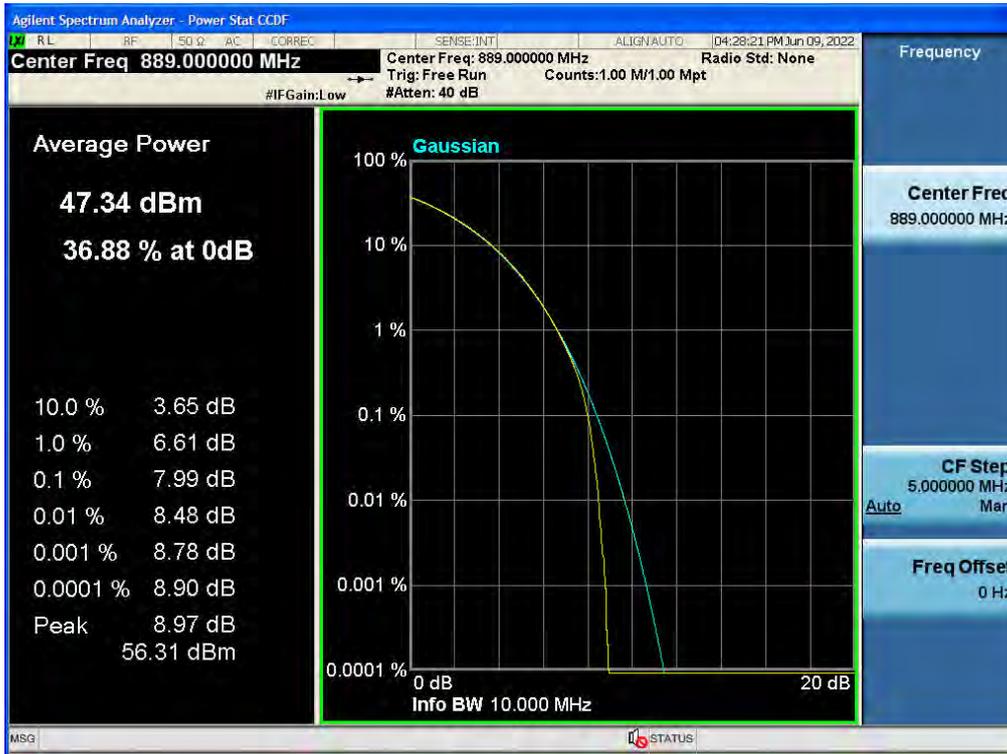
Antenna 0 / (2 Port)B5 DSS 10 MHz 9to1 1 Carrier / 256QAM / Low



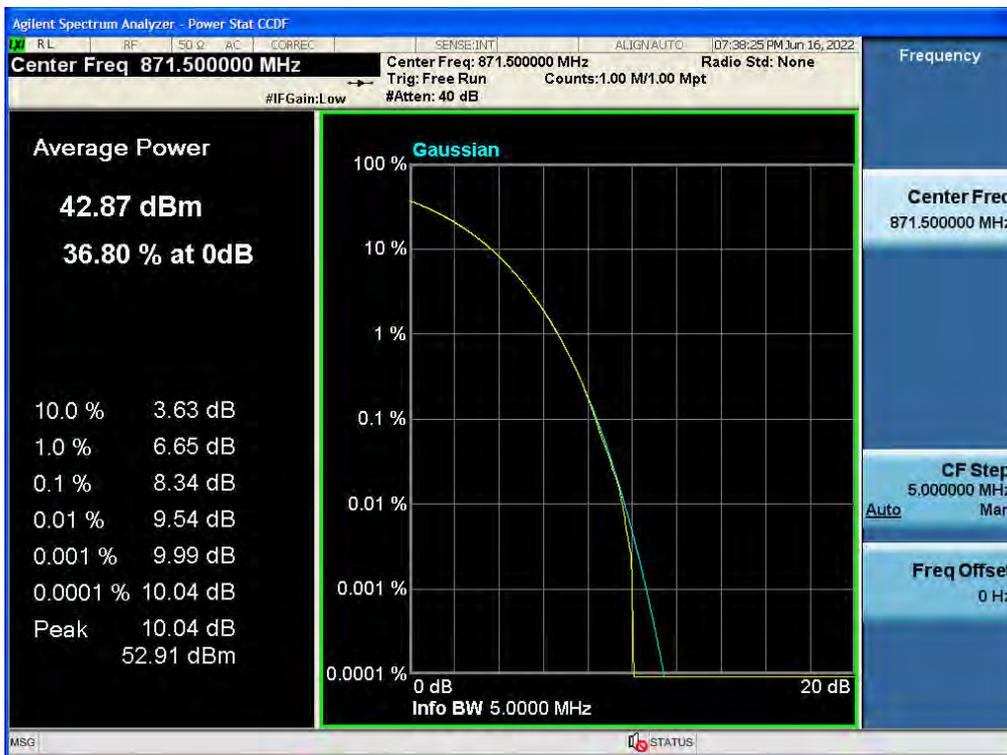
Antenna 0 / (2 Port)5G NR n5 5 MHz 1 Carrier / 64QAM / Low



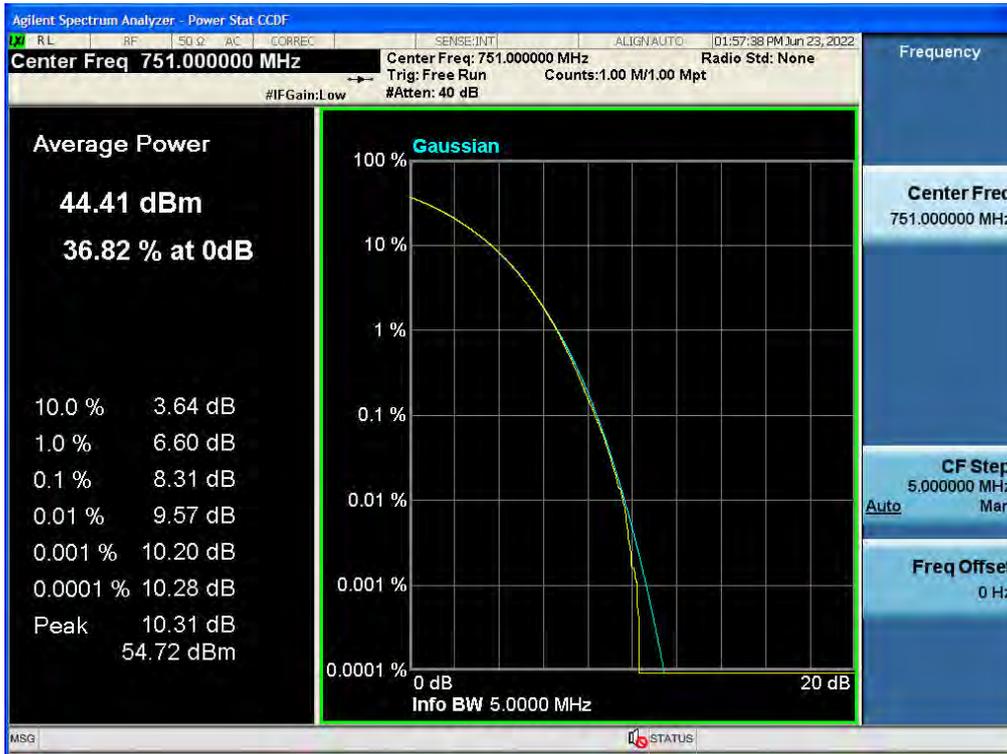
Antenna 0 / (2 Port)5G NR n5 10 MHz 1 Carrier / 64QAM / High



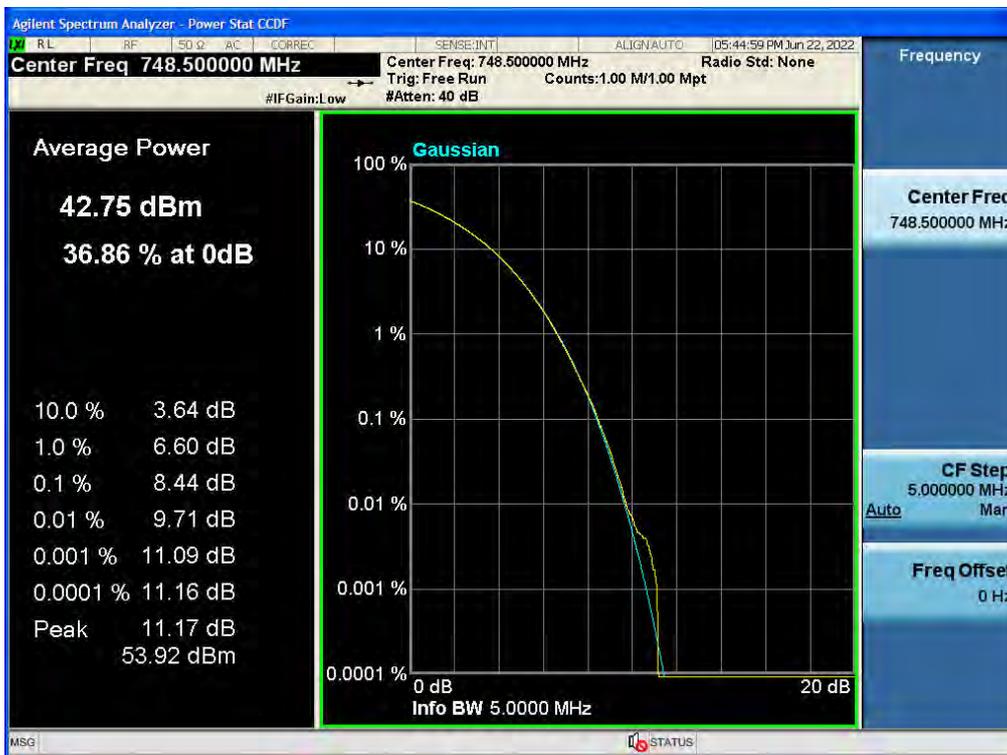
Antenna 1 / (4 Port)5G NR n5 5 MHz 1 Carrier / 16QAM / Low

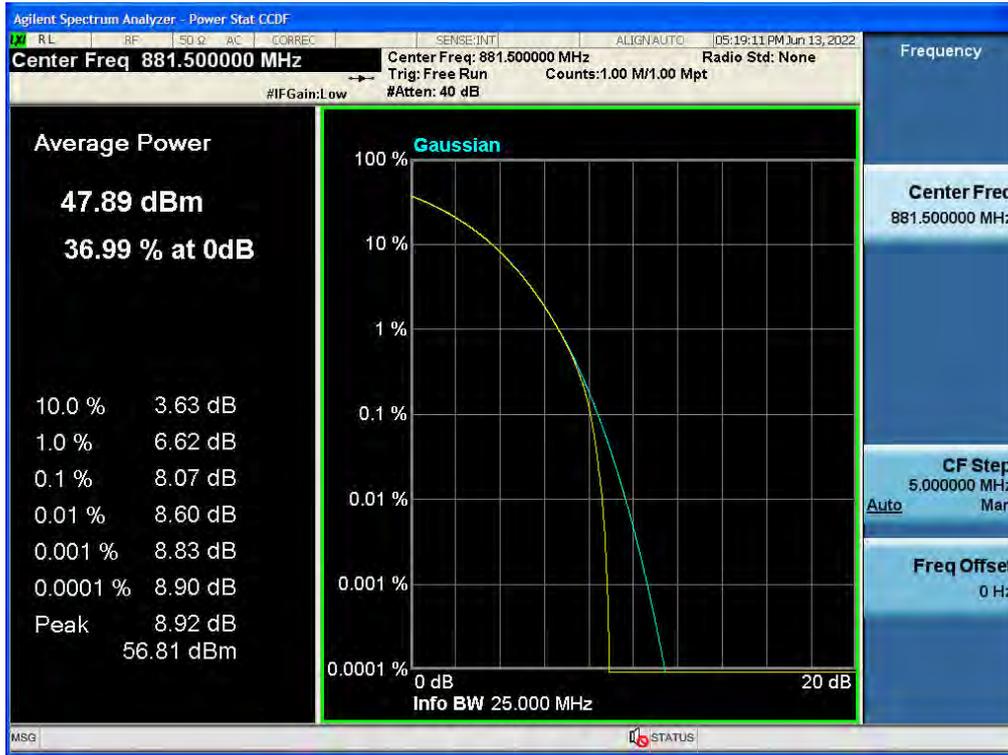


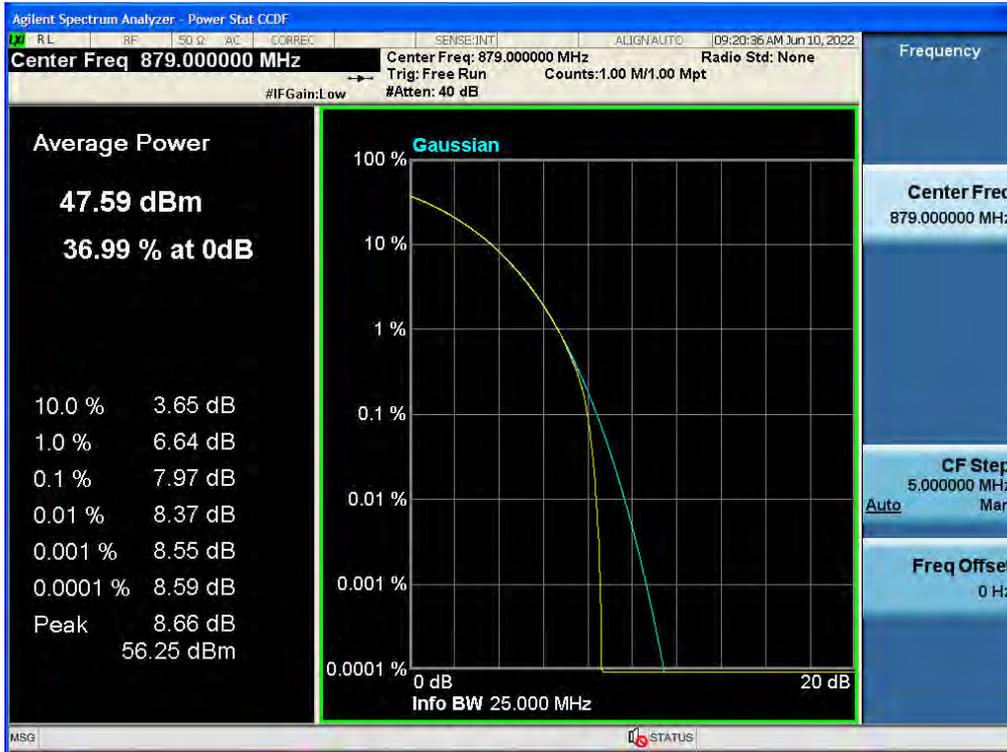
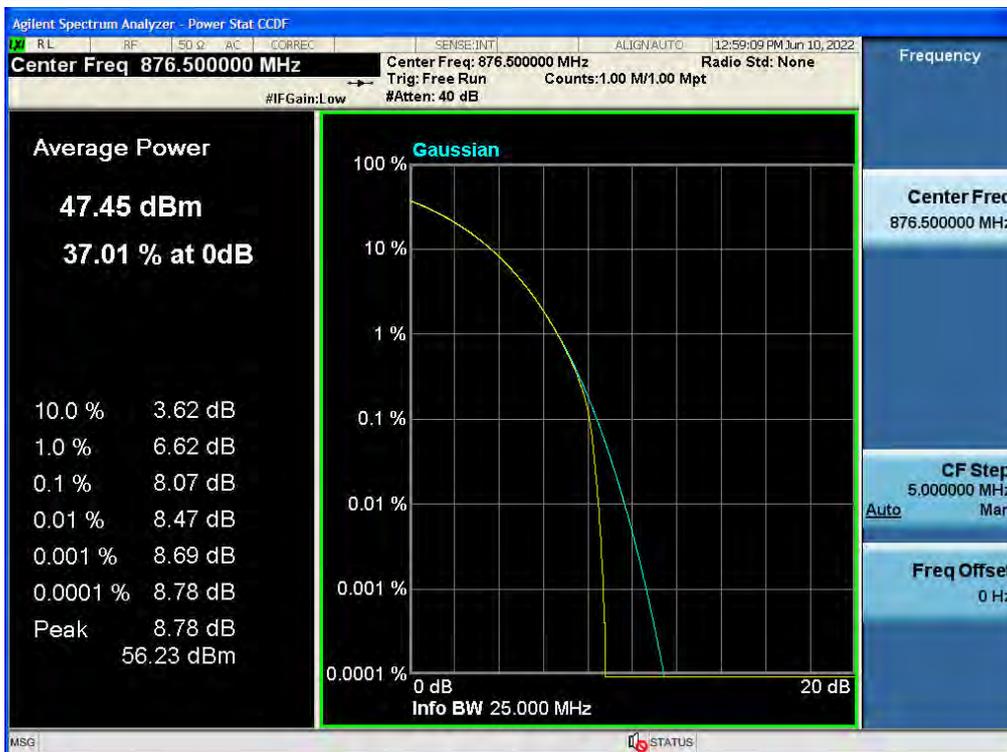
Antenna 0 / (2 Port)LTE B13 5 MHz 1 Carrier / 64QAM / Middle



Antenna 0 / (4 Port)LTE B13 5 MHz 1 Carrier / 16QAM / Low



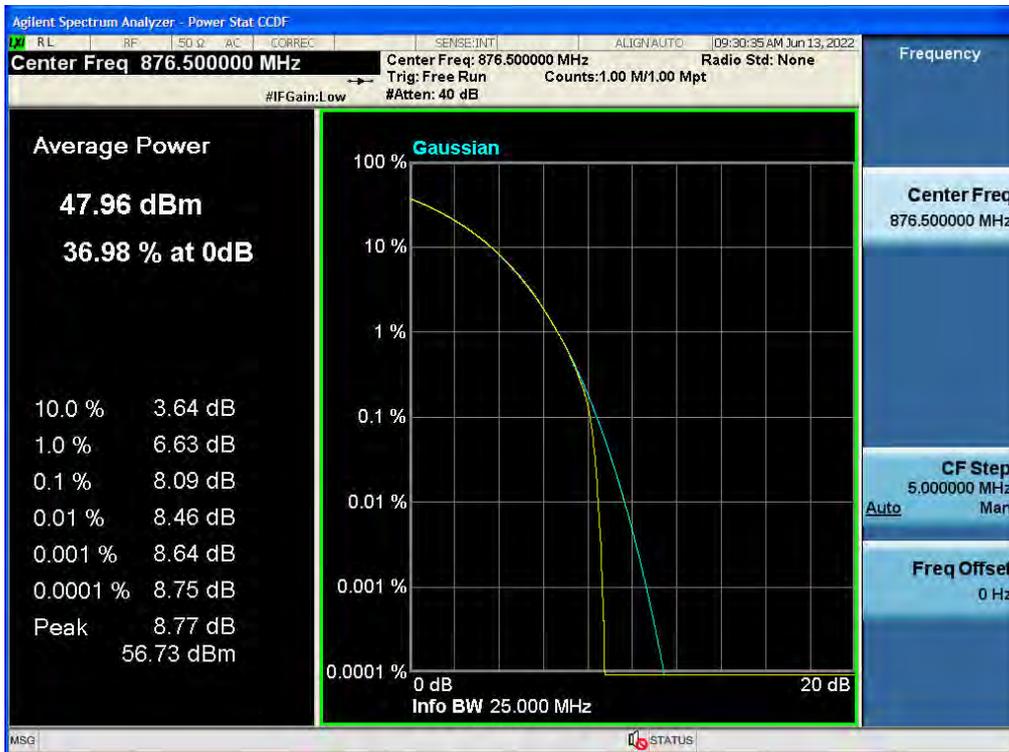
Antenna 0 / (2 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier] / Contiguous / 16QAM / Middle

Antenna 0 / (2 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Contiguous / 256QAM / Middle


Antenna 0 / (2 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Contiguous / 16QAM / Low

Antenna 0 / (2 Port)B5 DSS 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier] / Contiguous / QPSK / Low


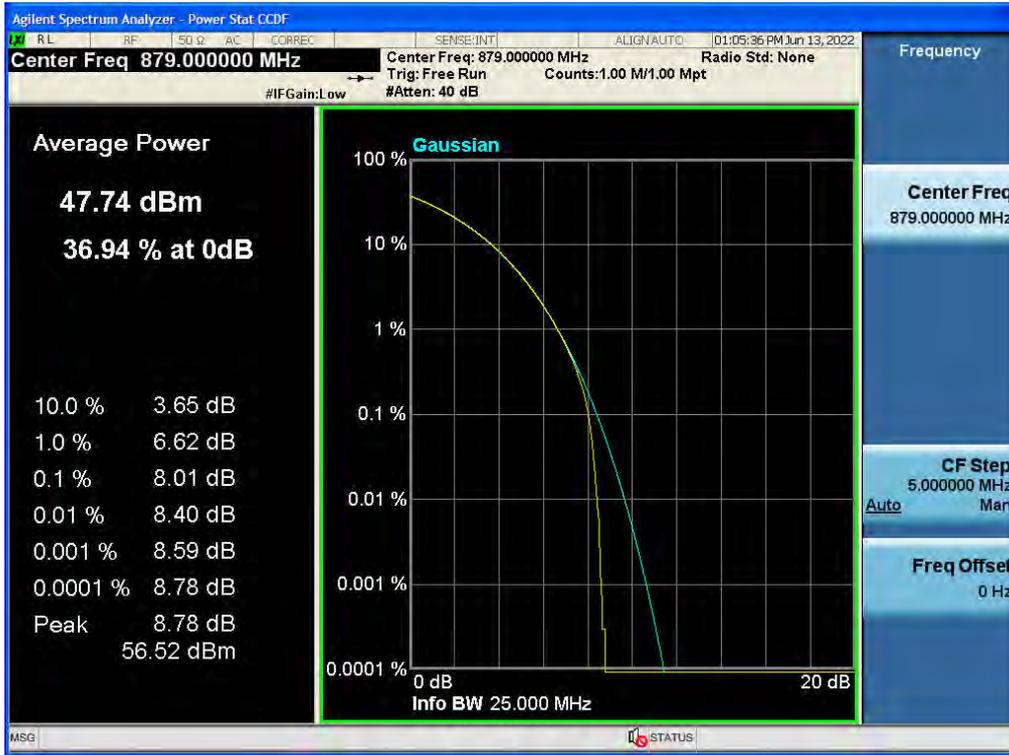
Antenna 0 / (2 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier] / Contiguous / QPSK / Low



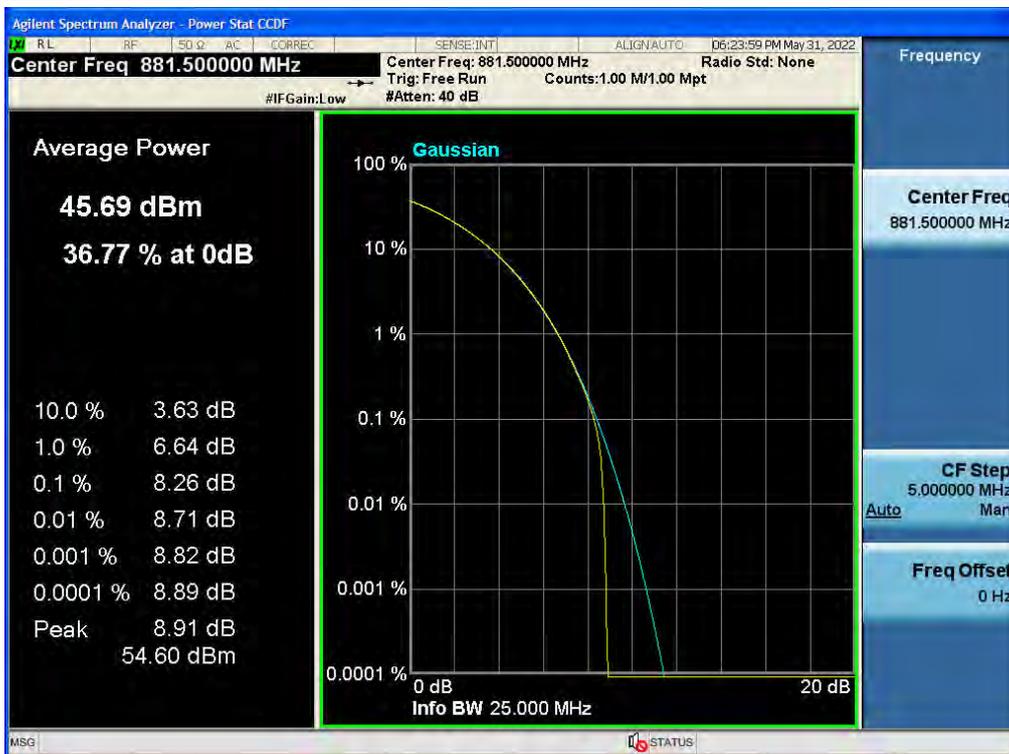
Antenna 0 / (2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Contiguous / 256QAM / Low



Antenna 0 / (2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Contiguous / QPSK / Low



Antenna 0 / (4 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier] / Contiguous / 64QAM / Middle

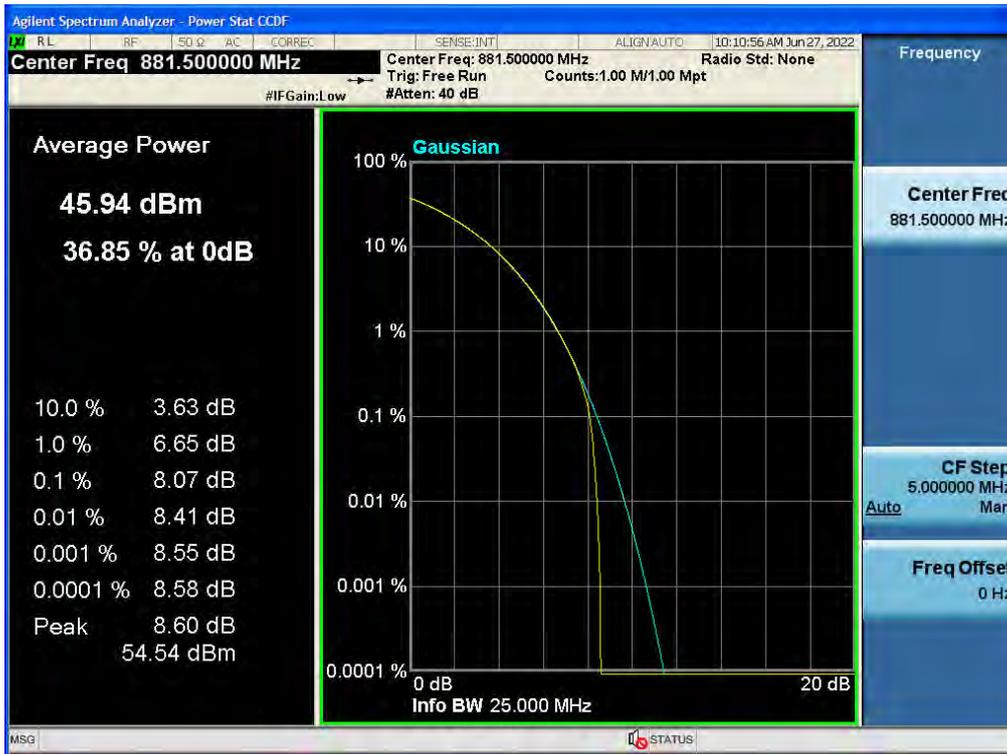
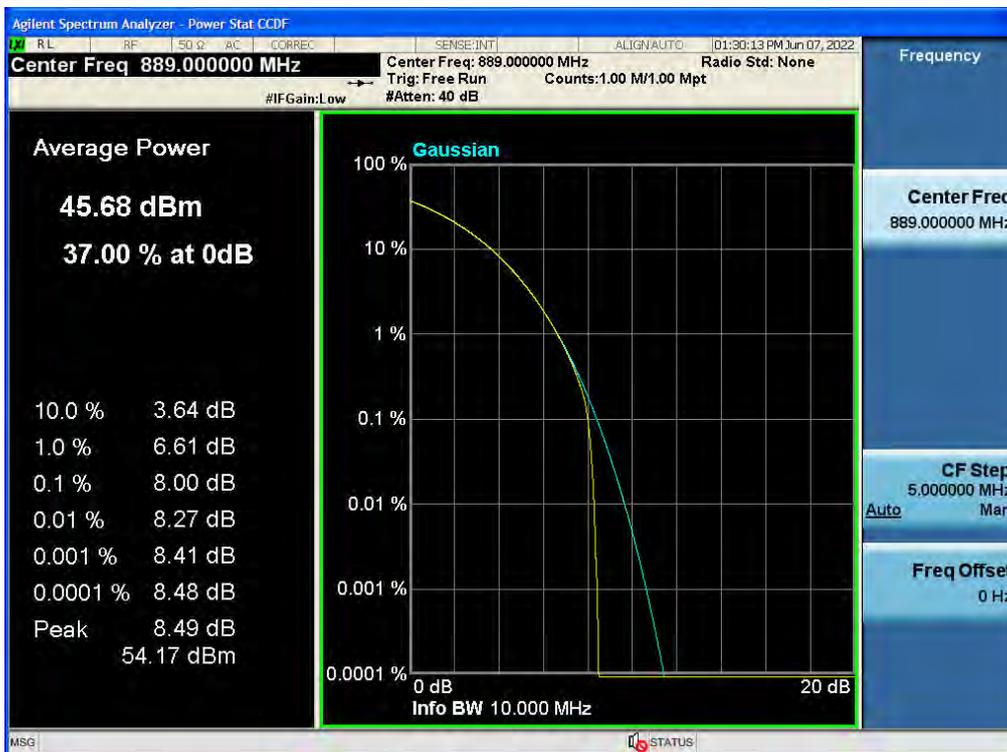


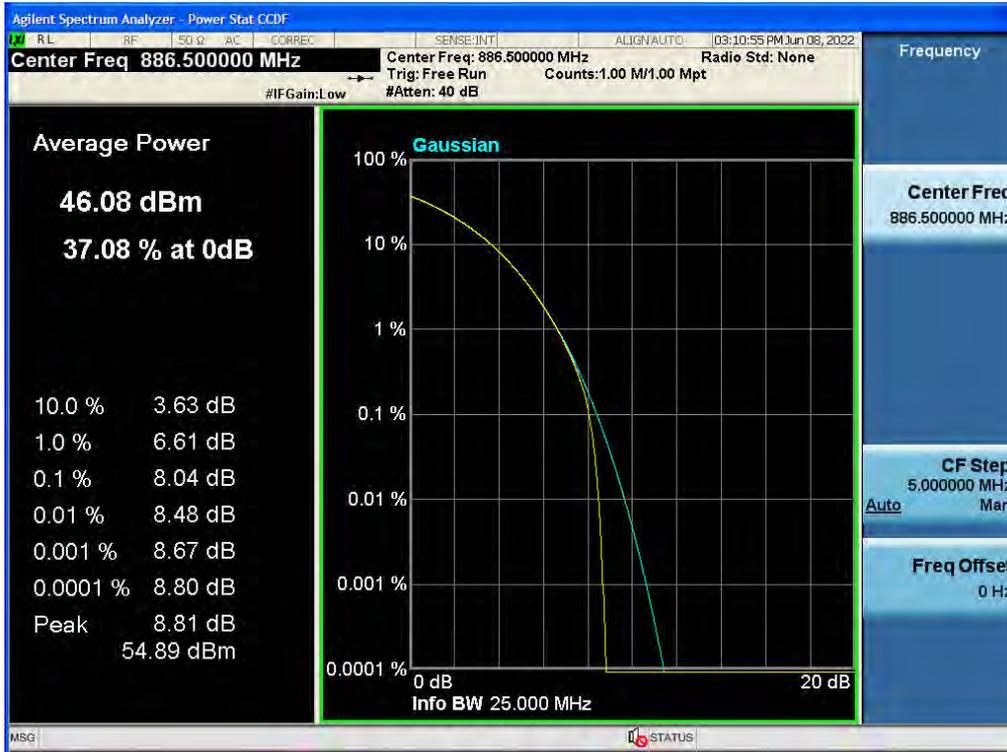
Antenna 0 / (4 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Contiguous / QPSK / Low



Antenna 0 / (4 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Contiguous / 16QAM / Low



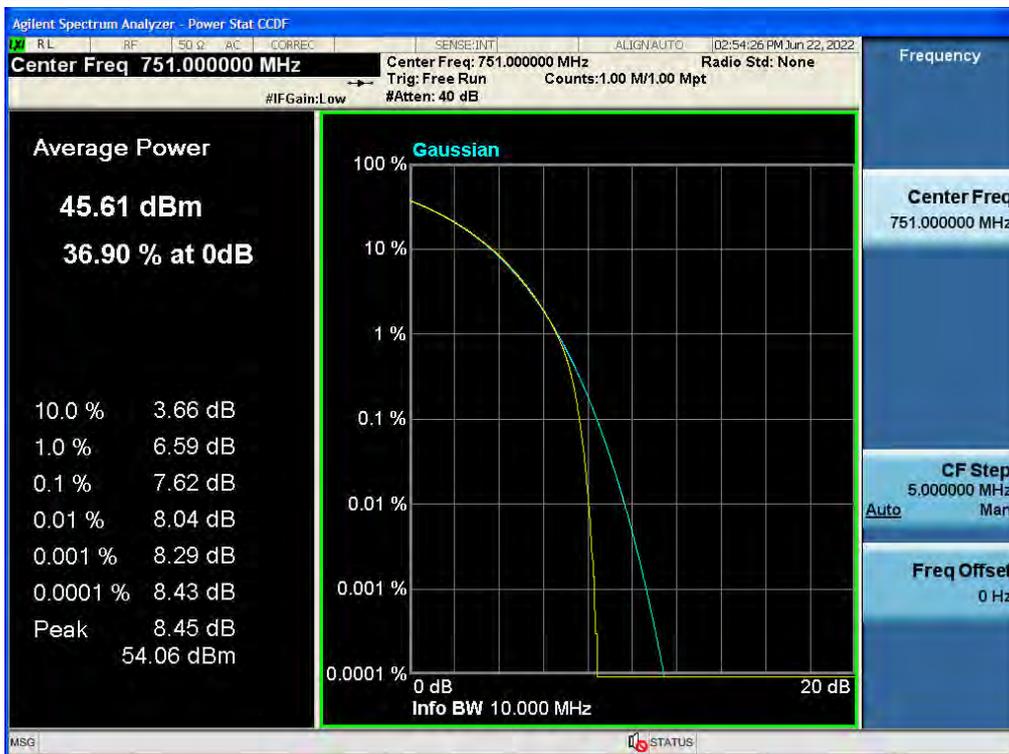
Antenna 2 / (4 Port)B5 DSS 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier] / Contiguous / 64QAM / Middle

Antenna 3 / (4 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier] / Contiguous / 16QAM / High


Antenna 0 / (4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Contiguous / 16QAM / High

Antenna 3 / (4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Contiguous / QPSK / High

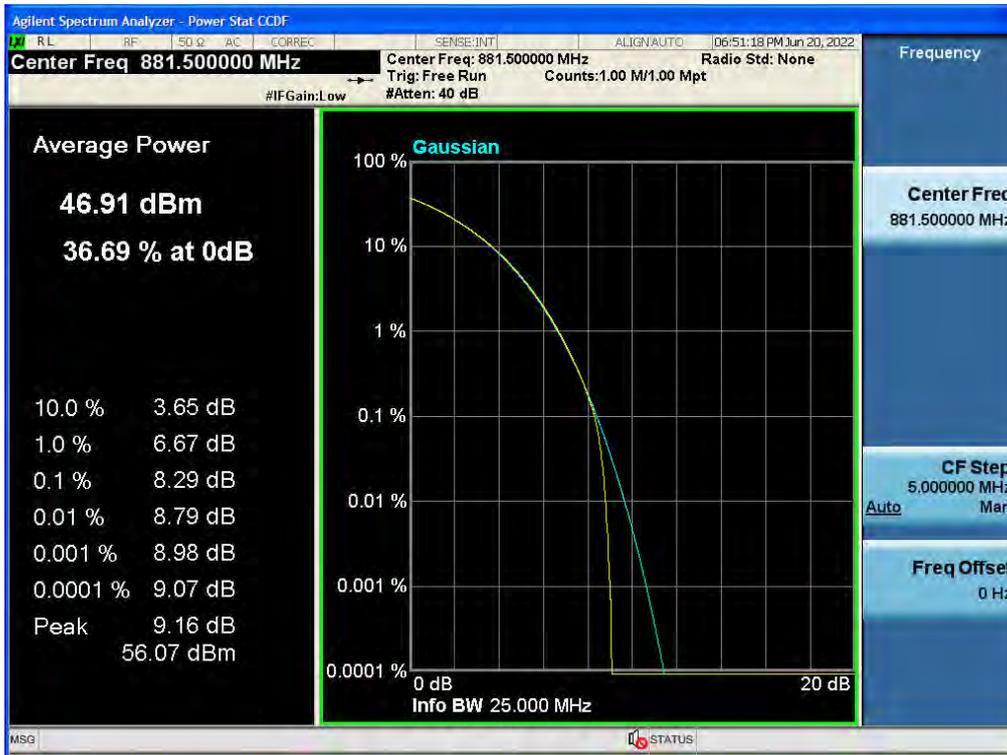

Antenna 1 / (2 Port)LTE B13 5 MHz 1 Carrier + LTE B13 5 MHz 1 Carrier [2 Carrier] / Contiguous / 64QAM / Middle



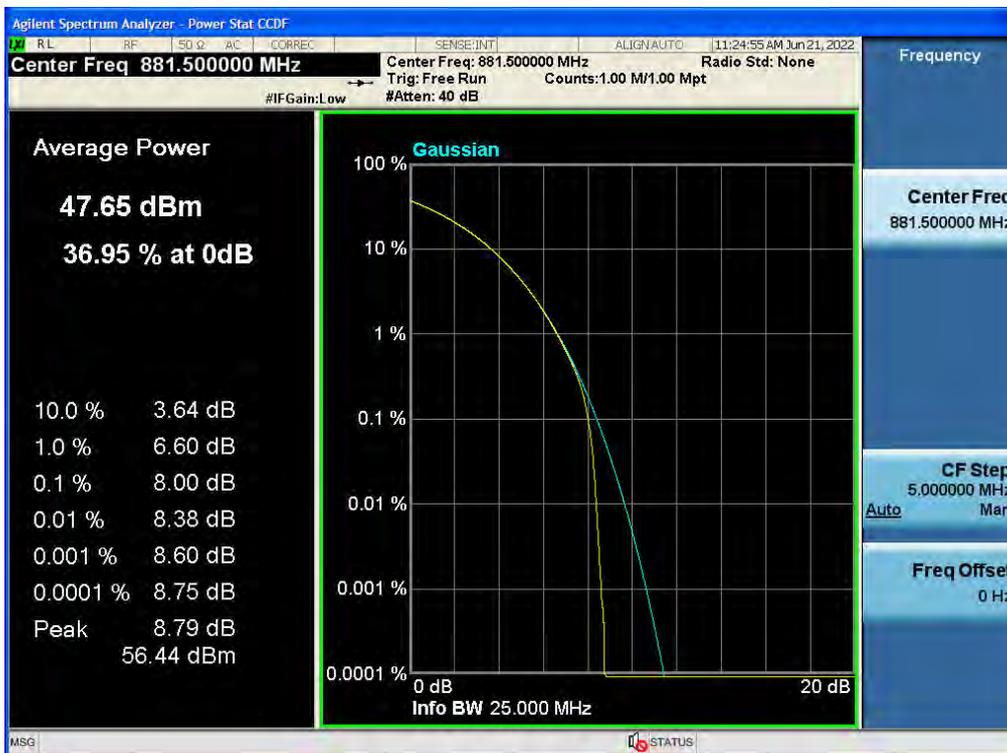
Antenna 0 / (4 Port)LTE B13 5 MHz 1 Carrier + LTE B13 5 MHz 1 Carrier [2 Carrier] / Contiguous / QPSK / Middle



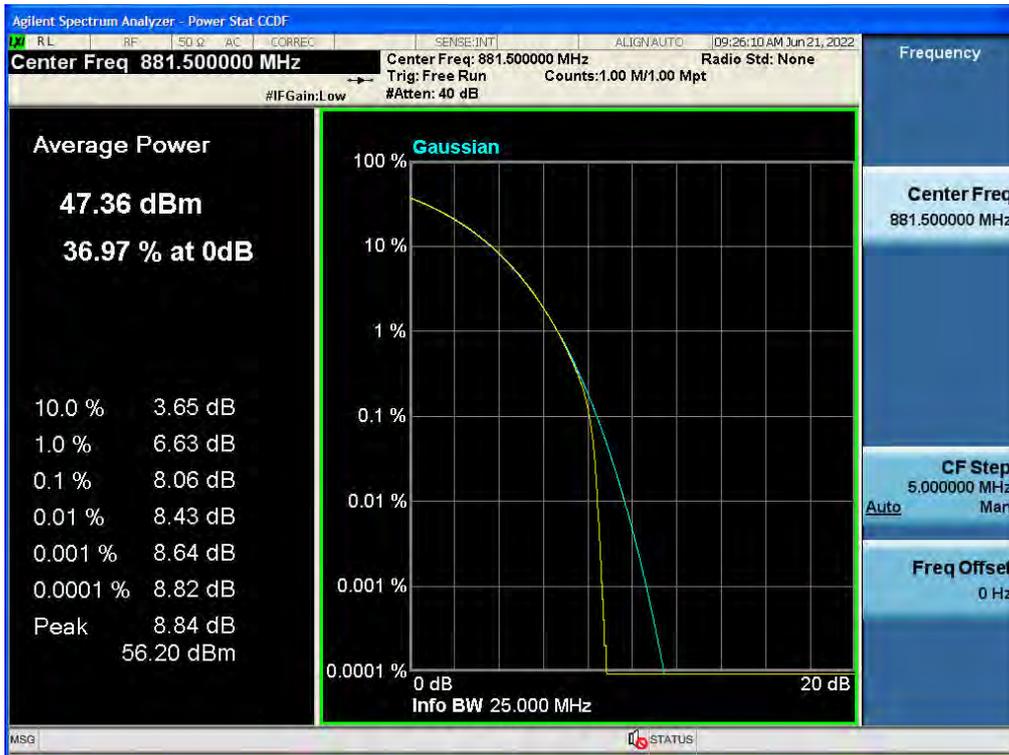
Antenna 0 / (2 Port)B5 DSS 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier + LTE B5 10 MHz 1 Carrier [3 Carrier] / Contiguous / QPSK / Middle



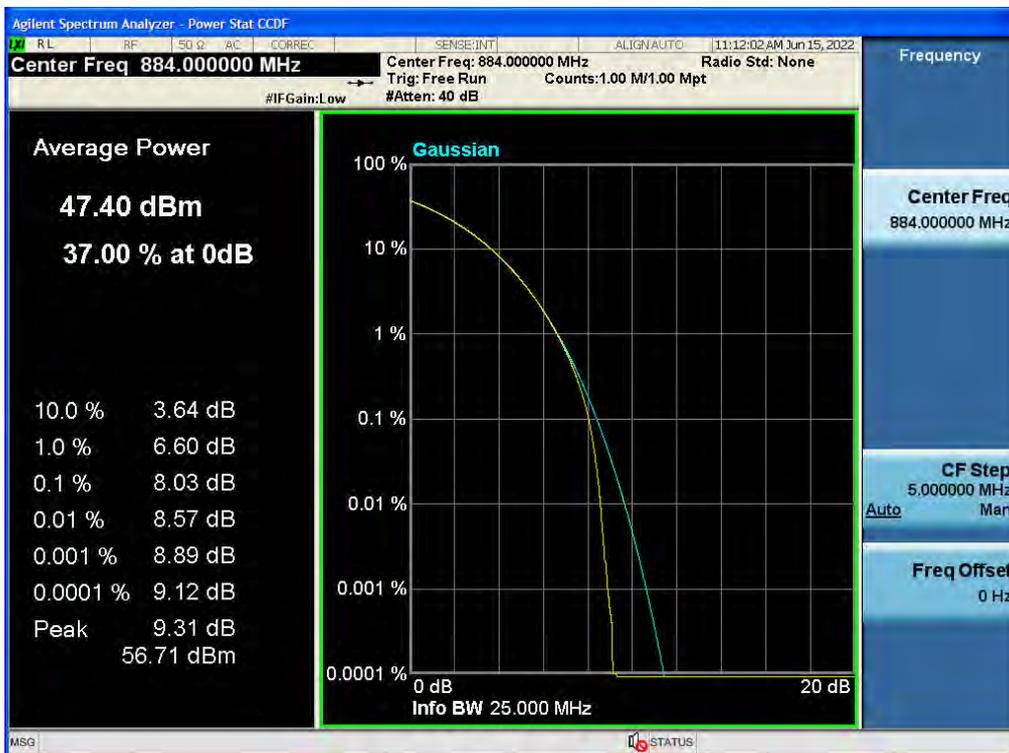
Antenna 0 / (2 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier] / Contiguous / 64QAM / Middle



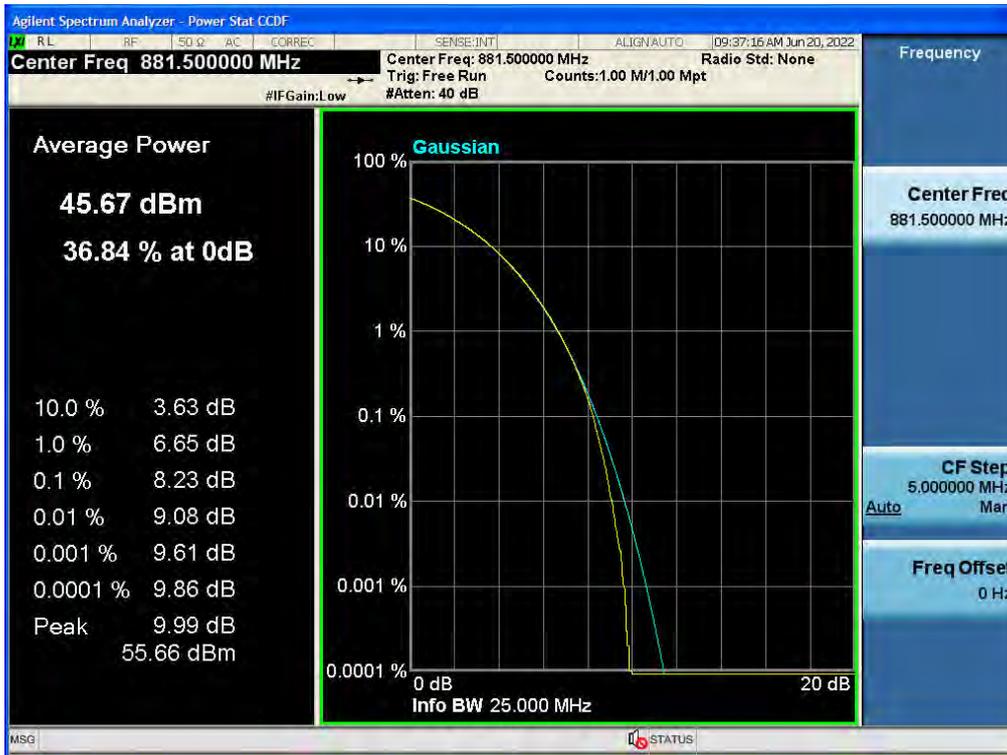
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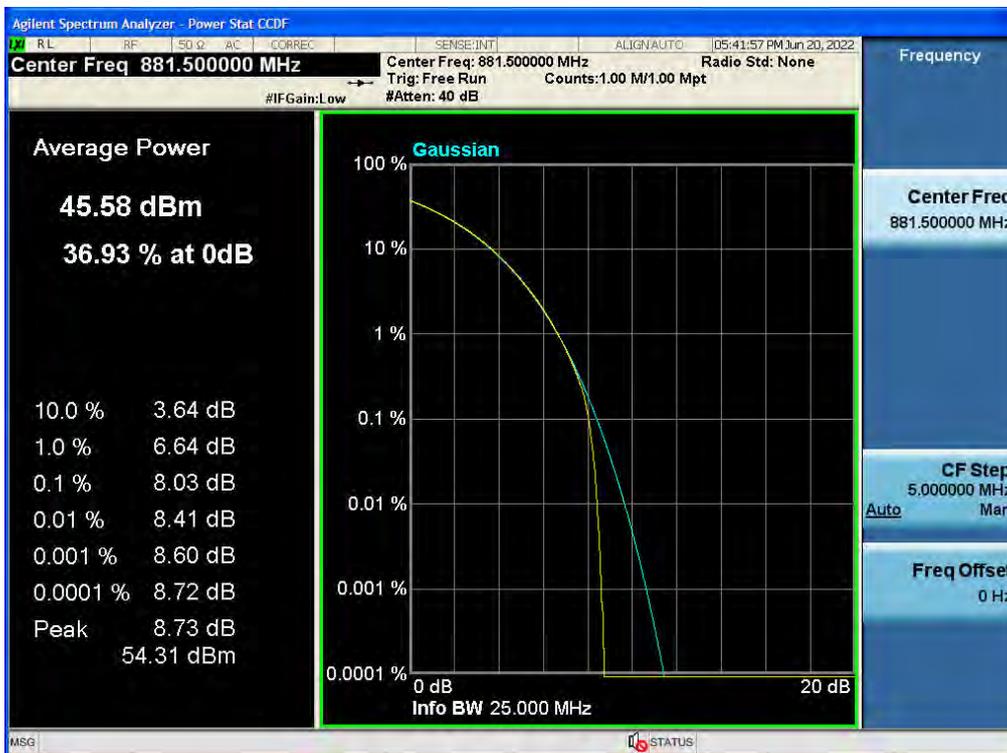
Antenna 0 / (2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier] / Contiguous / 256QAM / High



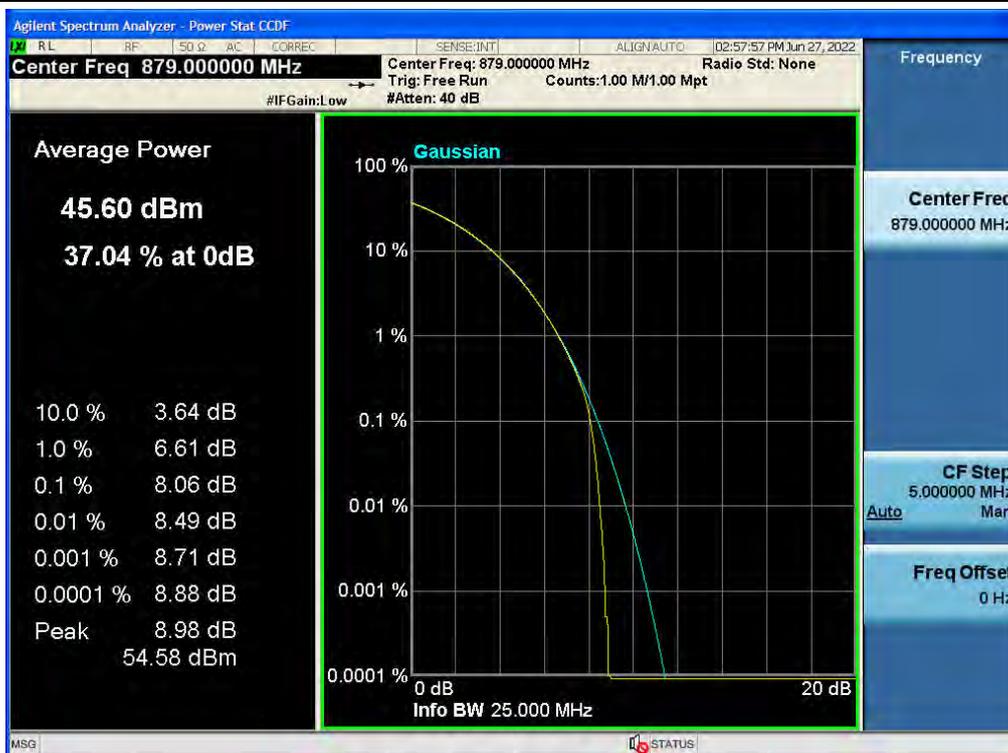
Antenna 0 / (4 Port)B5 DSS 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier + LTE B5 10 MHz 1 Carrier [3 Carrier] / Contiguous / 256QAM / Middle



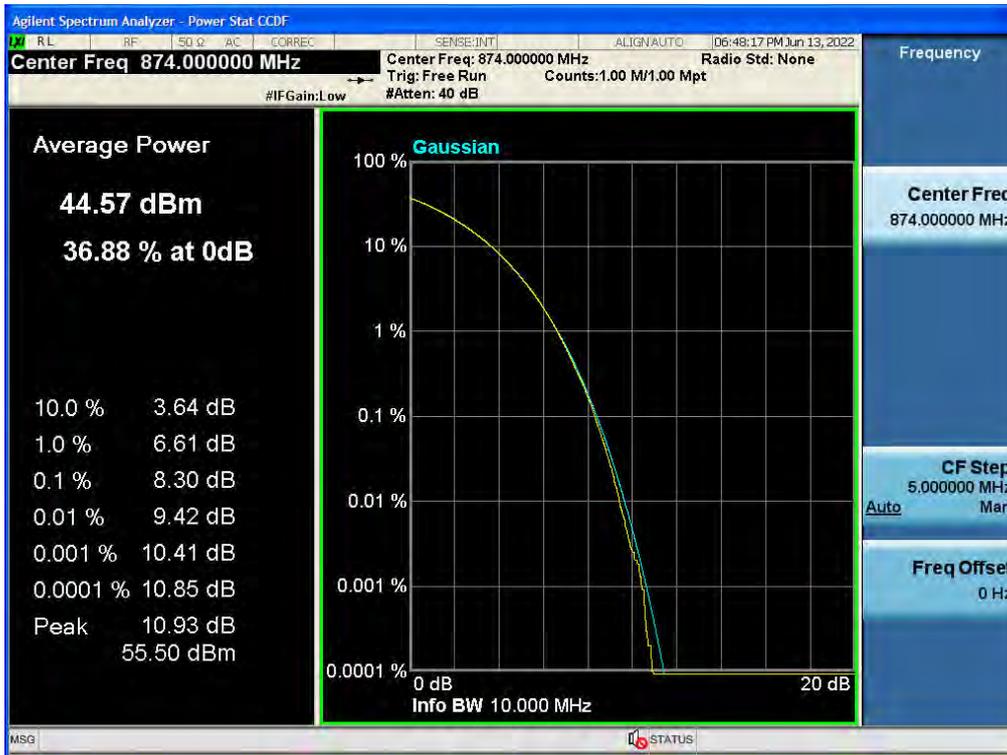
Antenna 0 / (4 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier] / Contiguous / 64QAM / Middle



Antenna 0 / (4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier] / Contiguous / QPSK / Middle

Antenna 1 / (4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier] / Contiguous / 256QAM / Low


Antenna 0 / (2 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B5 DSS 10 MHz / 64QAM / Low



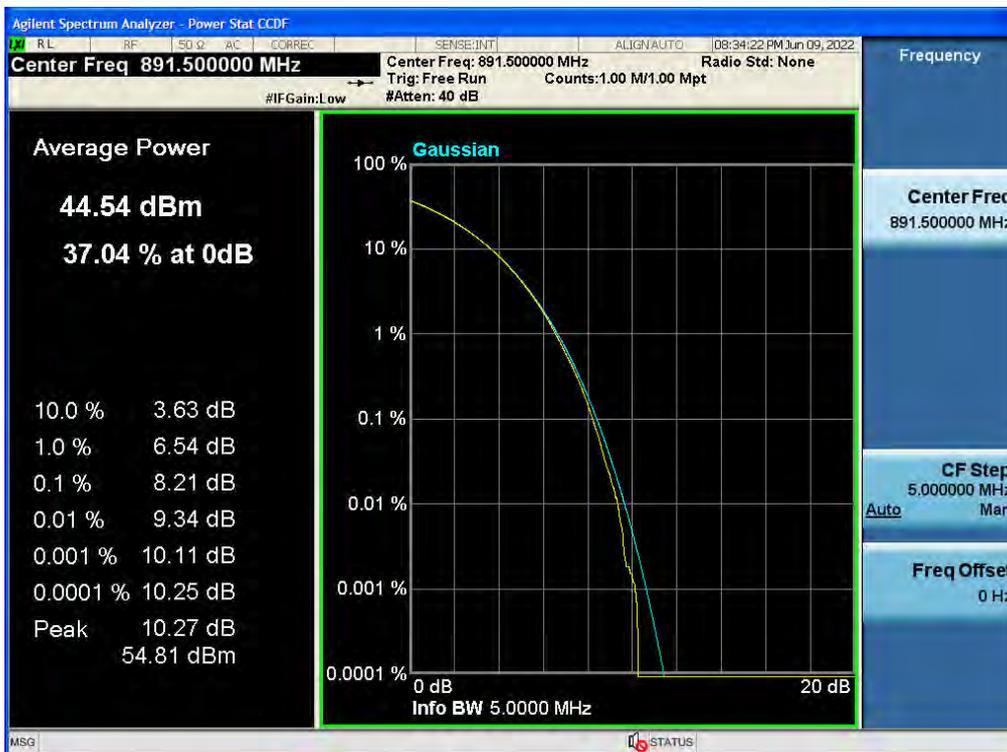
Antenna 0 / (2 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B5 DSS 10 MHz / 64QAM / High



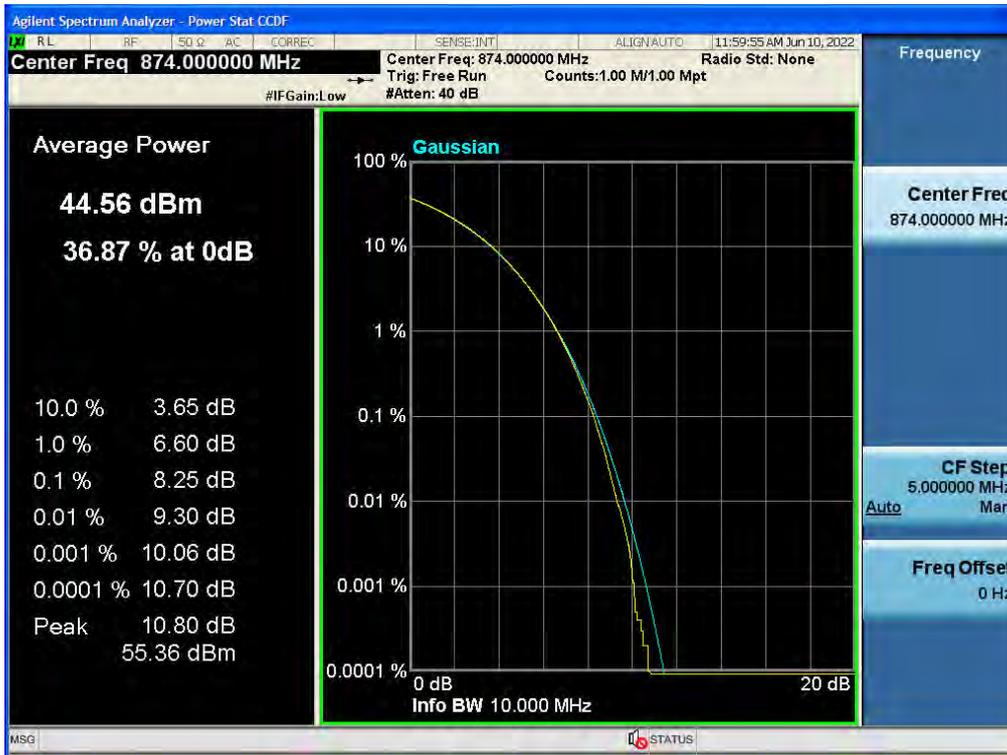
Antenna 0 / (2 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 5 MHz / 256QAM / Low



Antenna 0 / (2 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 5 MHz / 256QAM / High



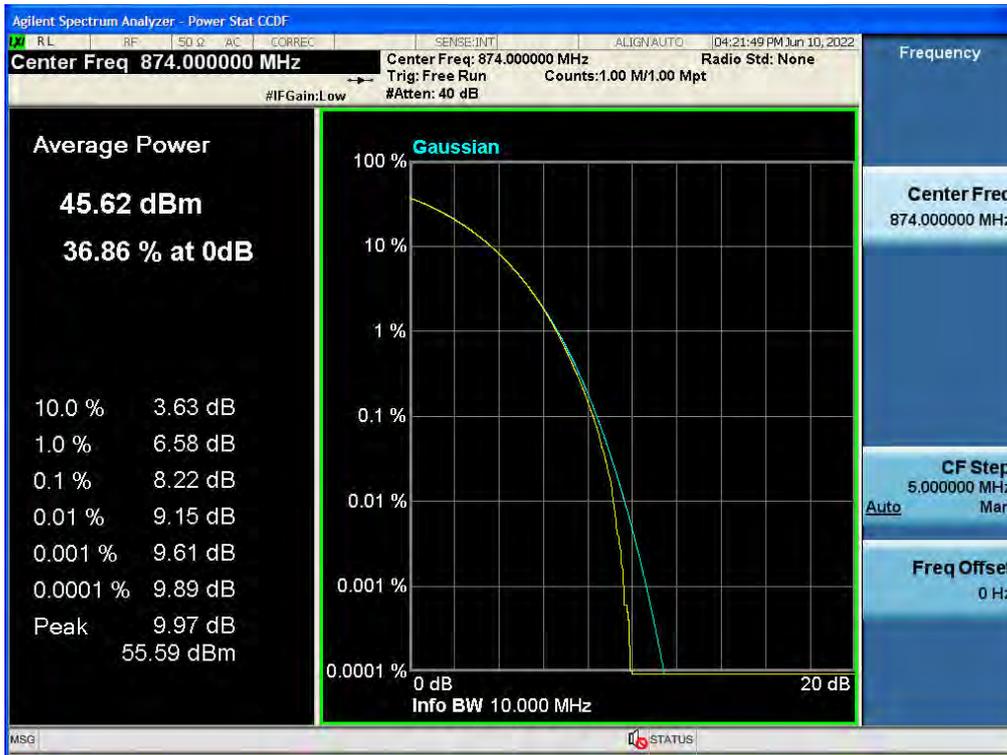
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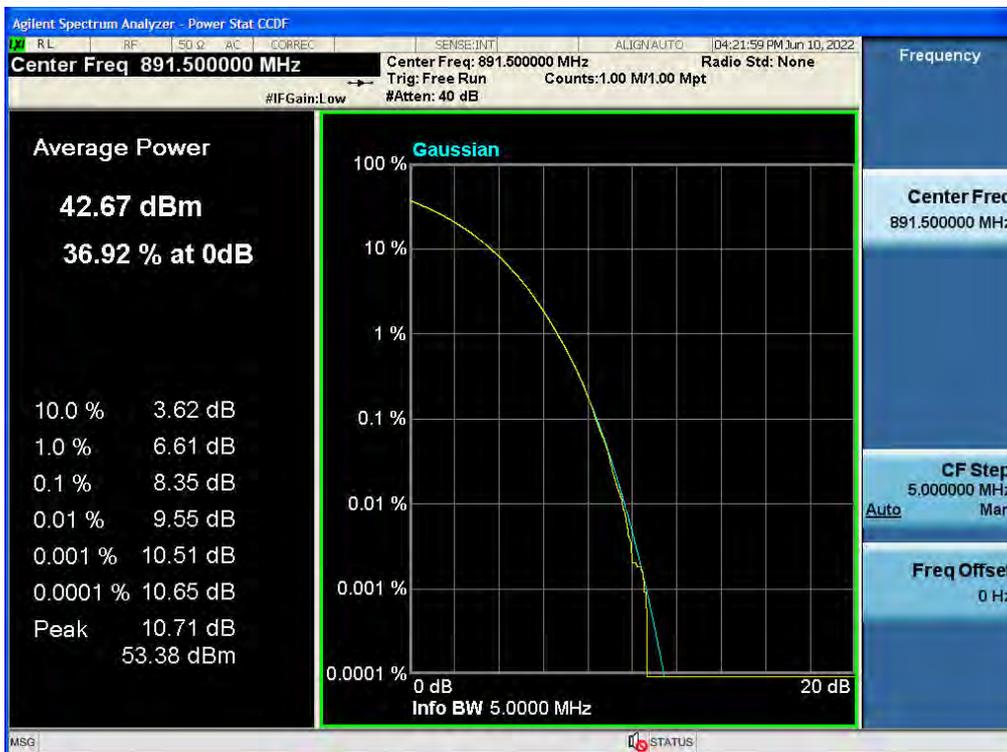
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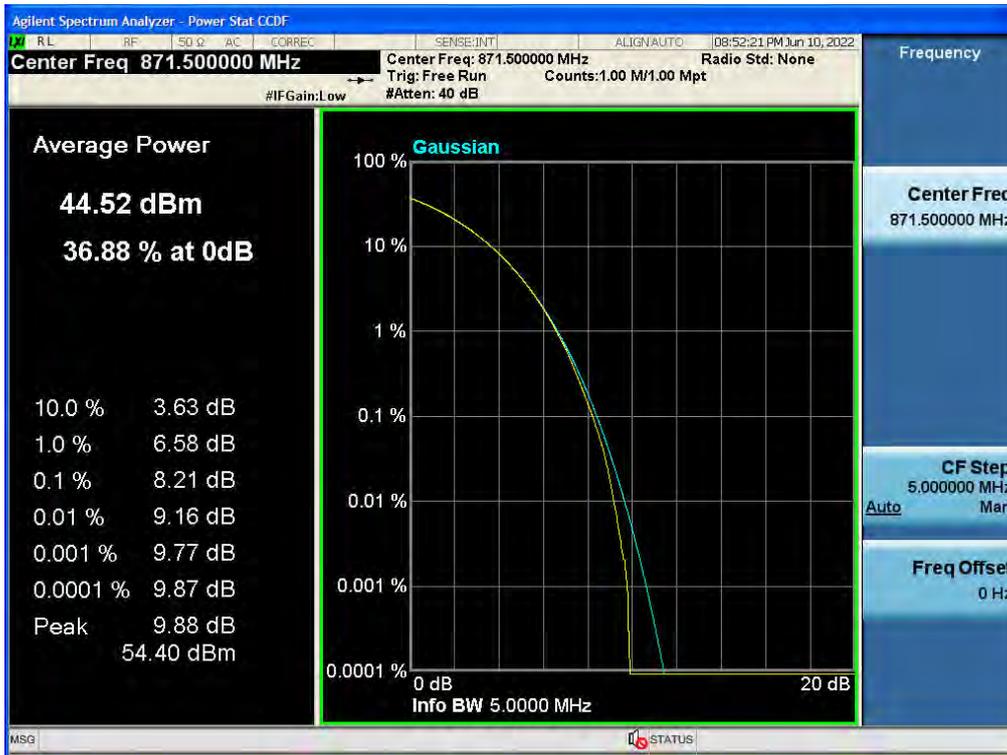
Antenna 0 / (2 Port)B5 DSS 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B5 DSS 10 MHz / 64QAM / Low



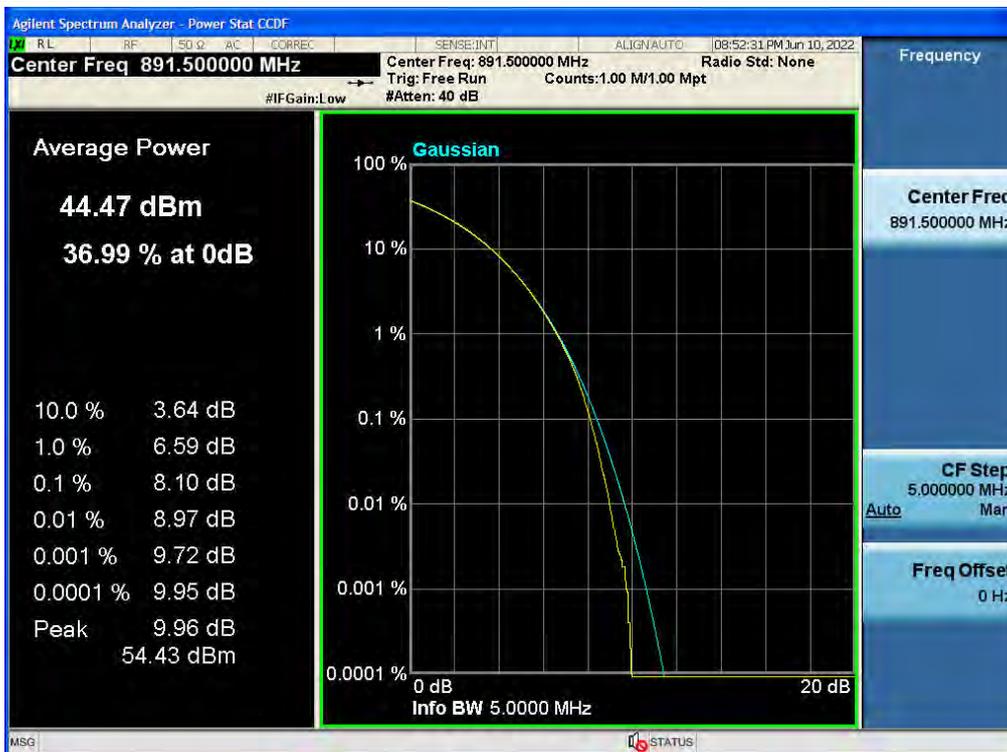
Antenna 0 / (2 Port)B5 DSS 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / LTE B5 5 MHz / 64QAM / High



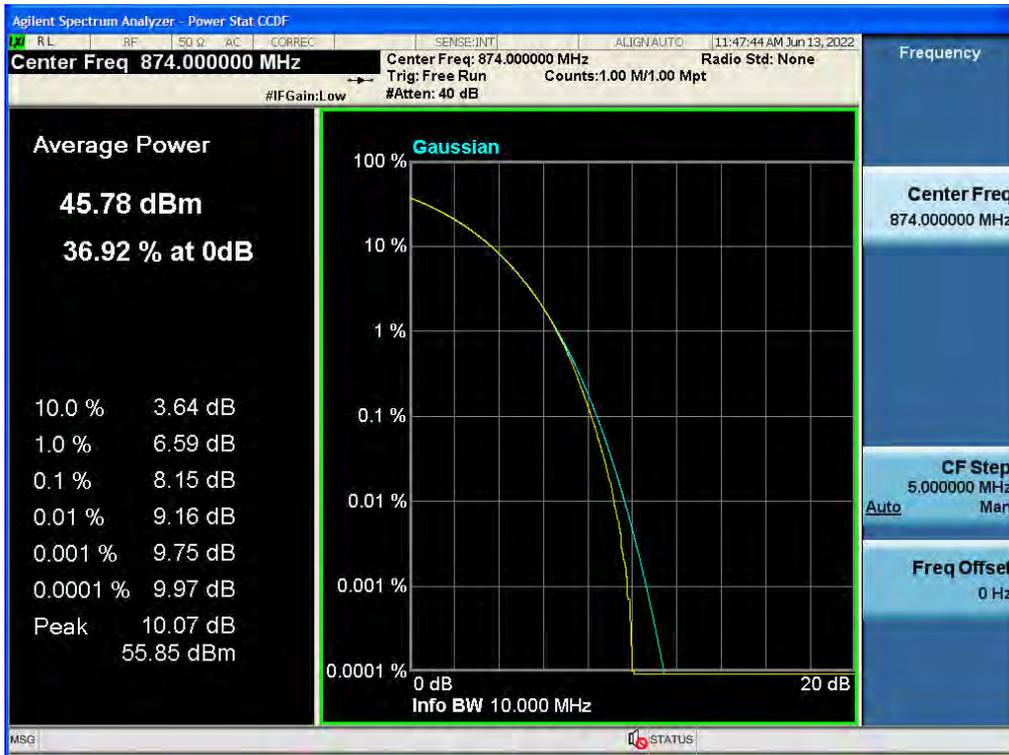
Antenna 0 / (2 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 5 MHz / 64QAM / Low



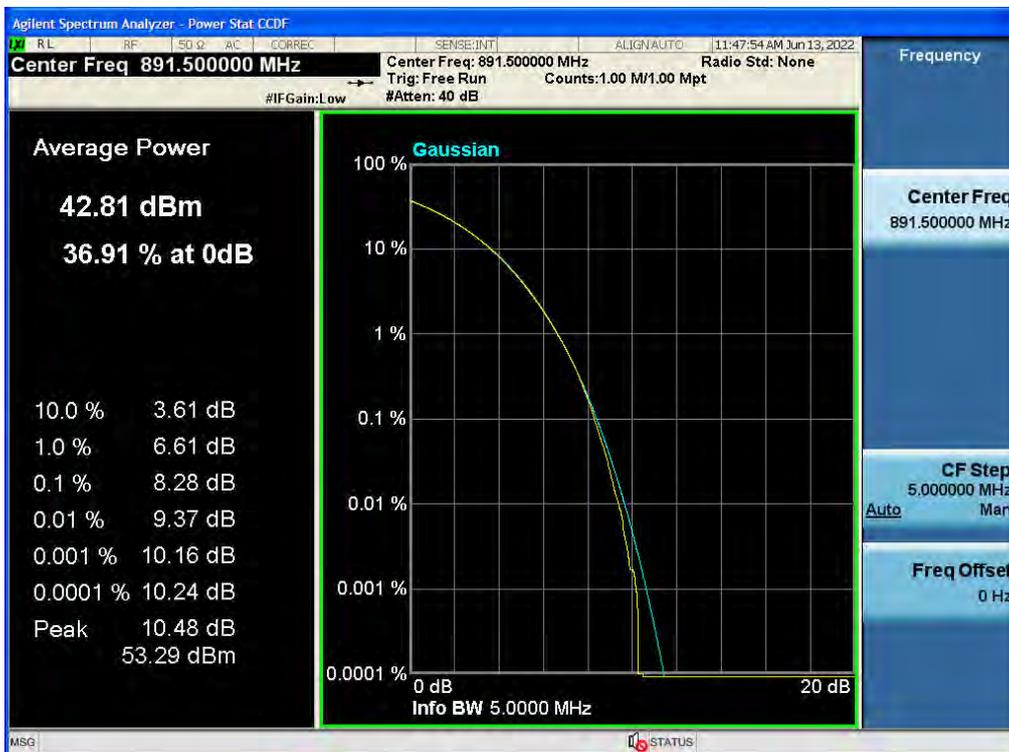
Antenna 0 / (2 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / LTE B5 5 MHz / 64QAM / High



Antenna 0 / (2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B5 DSS 10 MHz / QPSK / Low



Antenna 0 / (2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 5 MHz / QPSK / High



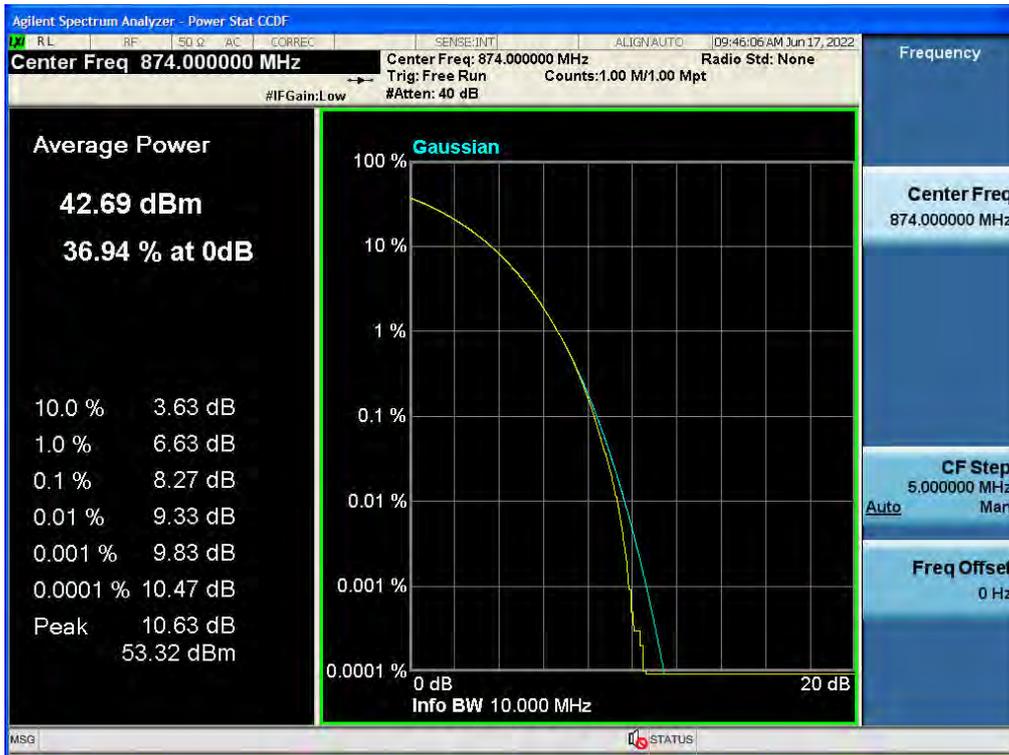
Antenna 0 / (2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B5 DSS 10 MHz / 256QAM / Low



Antenna 0 / (2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 10 MHz / 256QAM / High



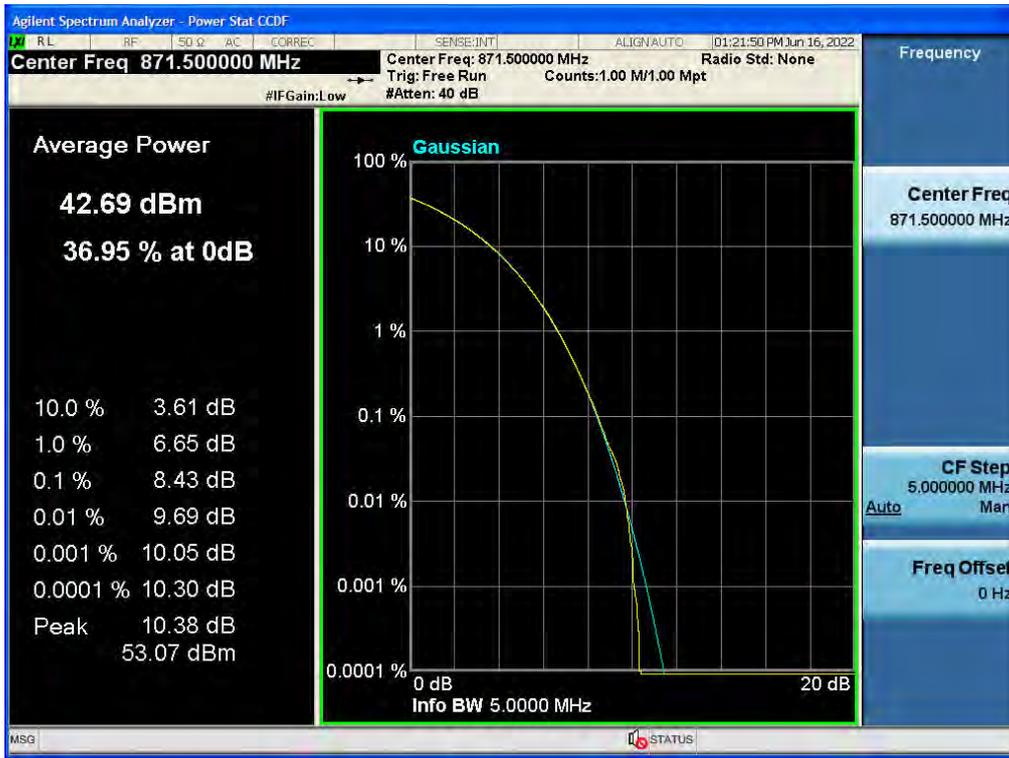
Antenna 0 / (4 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B5 DSS 10 MHz / 16QAM / Low



Antenna 0 / (4 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B5 DSS 10 MHz / 16QAM / High



Antenna 0 / (4 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 5 MHz / 64QAM / Low



Antenna 0 / (4 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 5 MHz / 64QAM / High



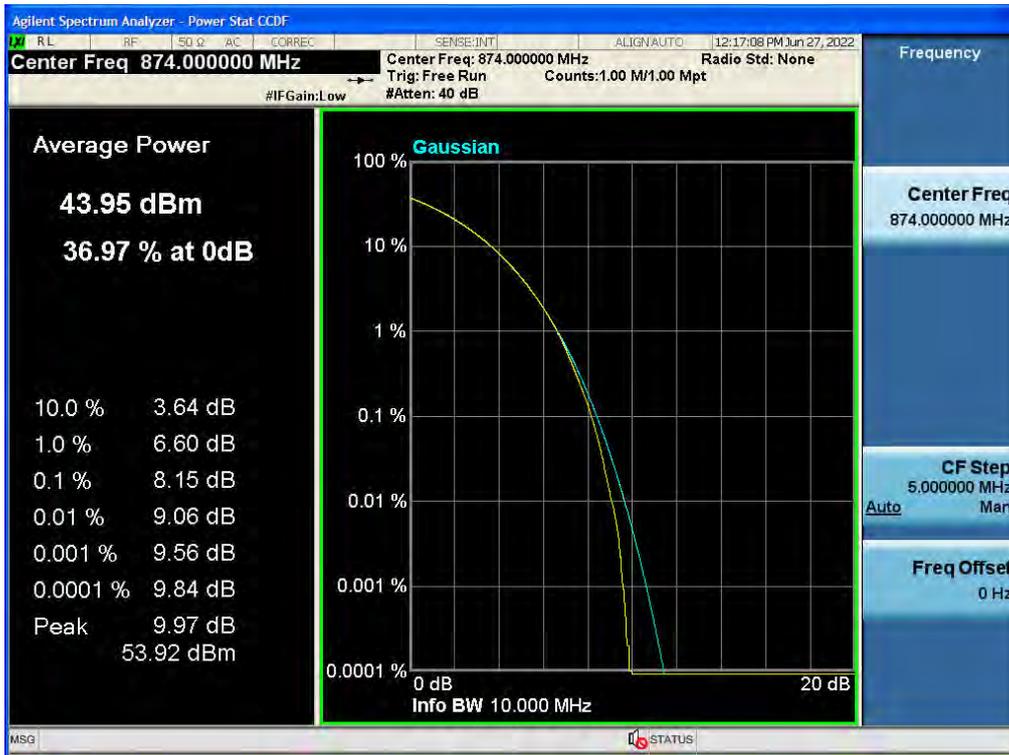
Antenna 0 / (4 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 10 MHz / 64QAM / Low



Antenna 0 / (4 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 10 MHz / 64QAM / High



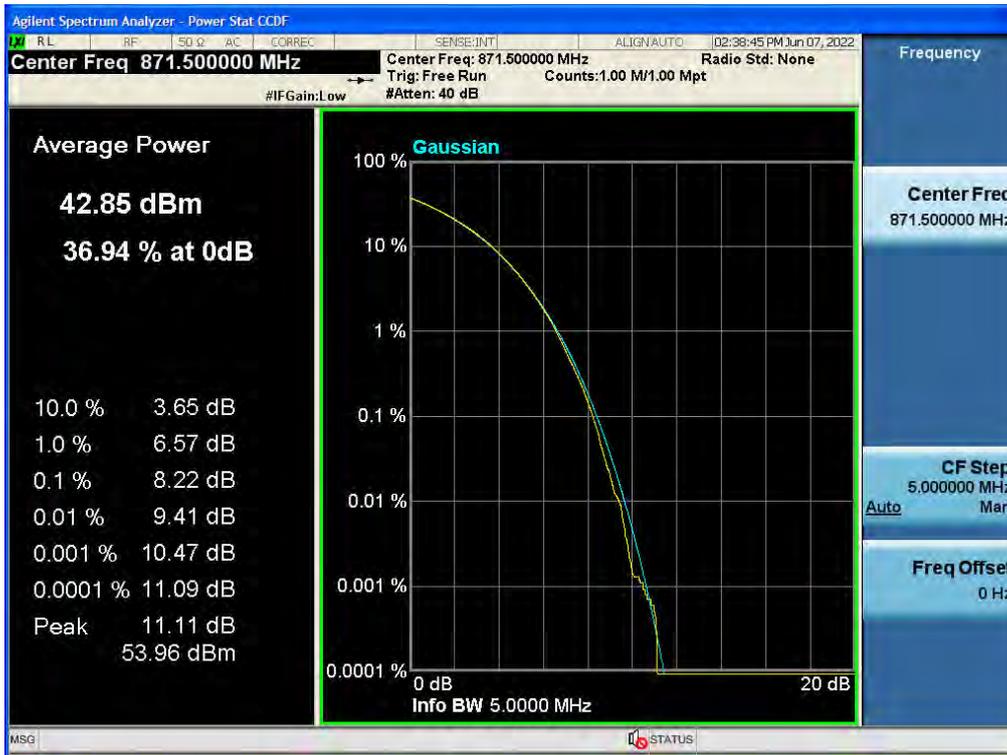
Antenna 1 / (4 Port)B5 DSS 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B5 DSS 10 MHz / QPSK / Low



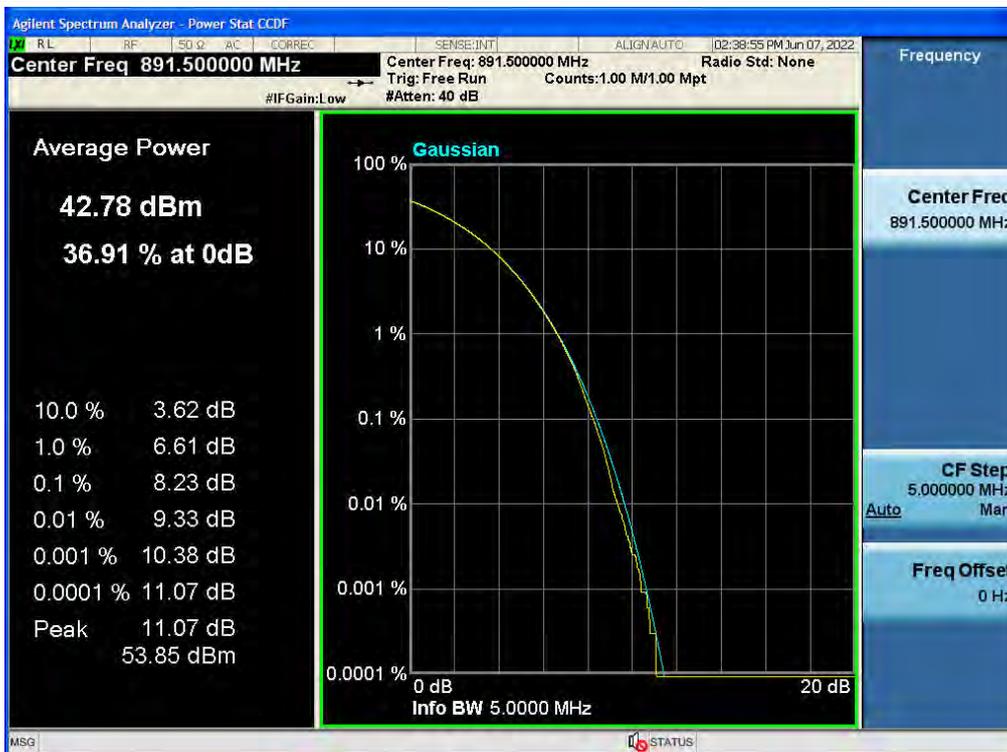
Antenna 1 / (4 Port)B5 DSS 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / LTE B5 5 MHz / QPSK / High



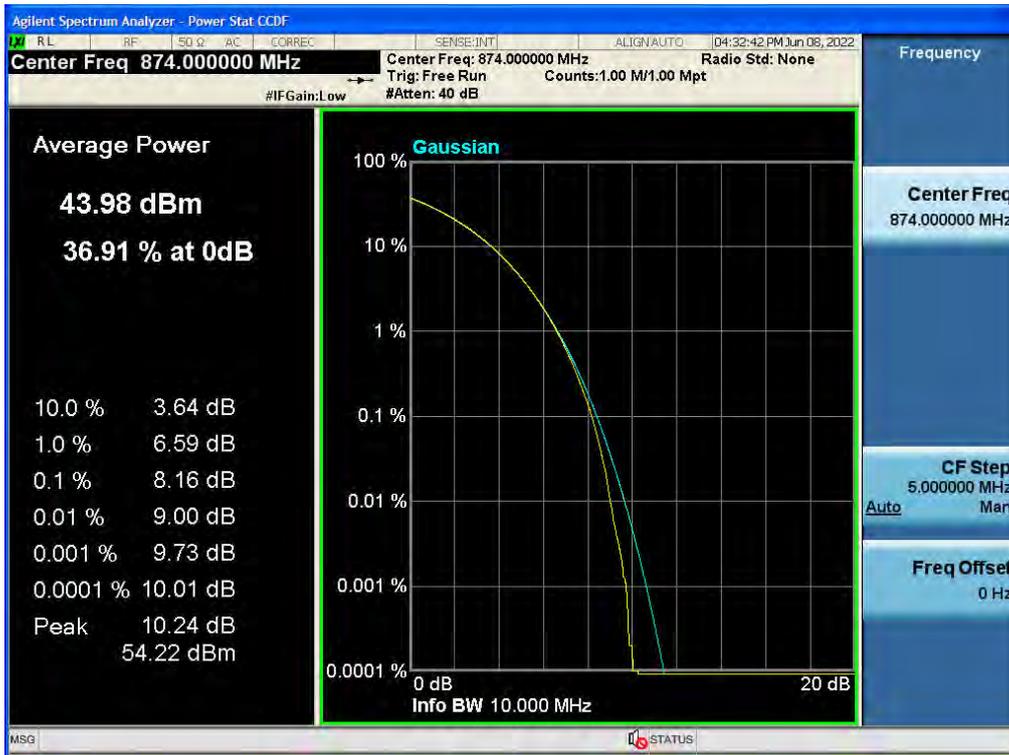
Antenna 0 / (4 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 5 MHz / 16QAM / Low



Antenna 0 / (4 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / LTE B5 5 MHz / 16QAM / High



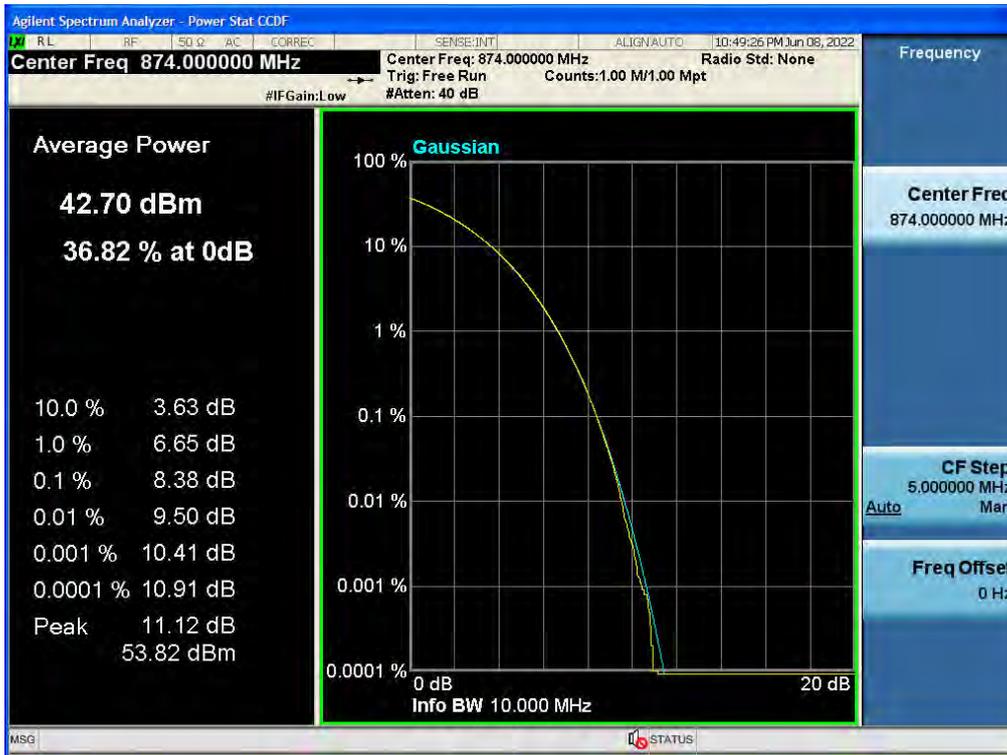
Antenna 0 / (4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B5 DSS 10 MHz / 16QAM / Low



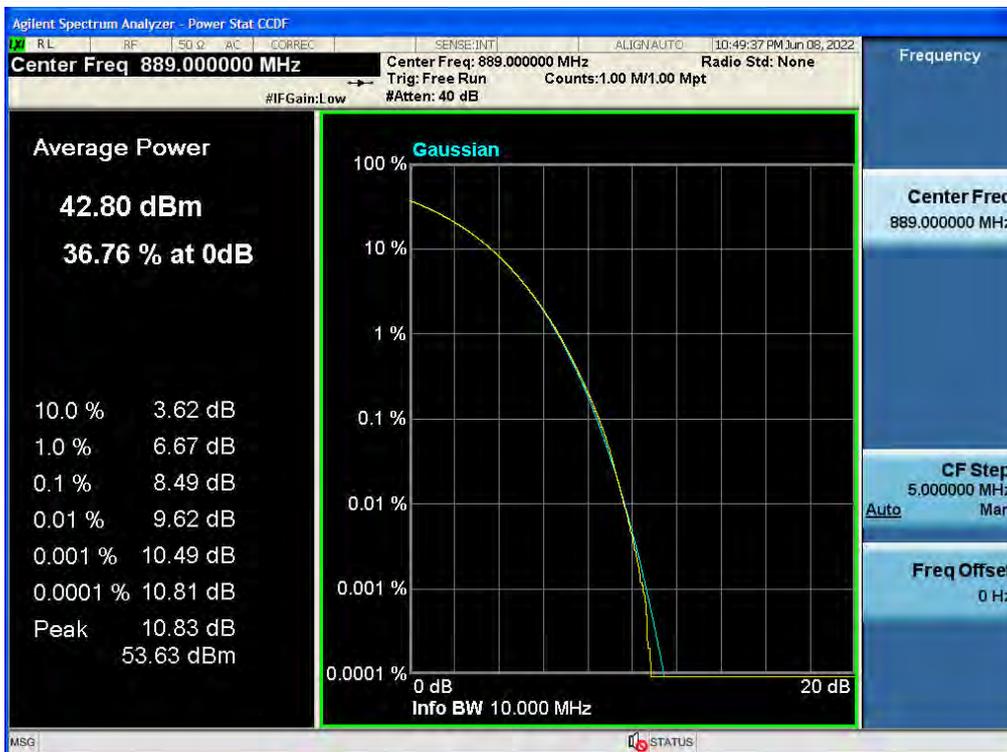
Antenna 0 / (4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 5 MHz / 16QAM / High



Antenna 0 / (4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B5 DSS 10 MHz / QPSK / Low



Antenna 0 / (4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 10 MHz / QPSK / High



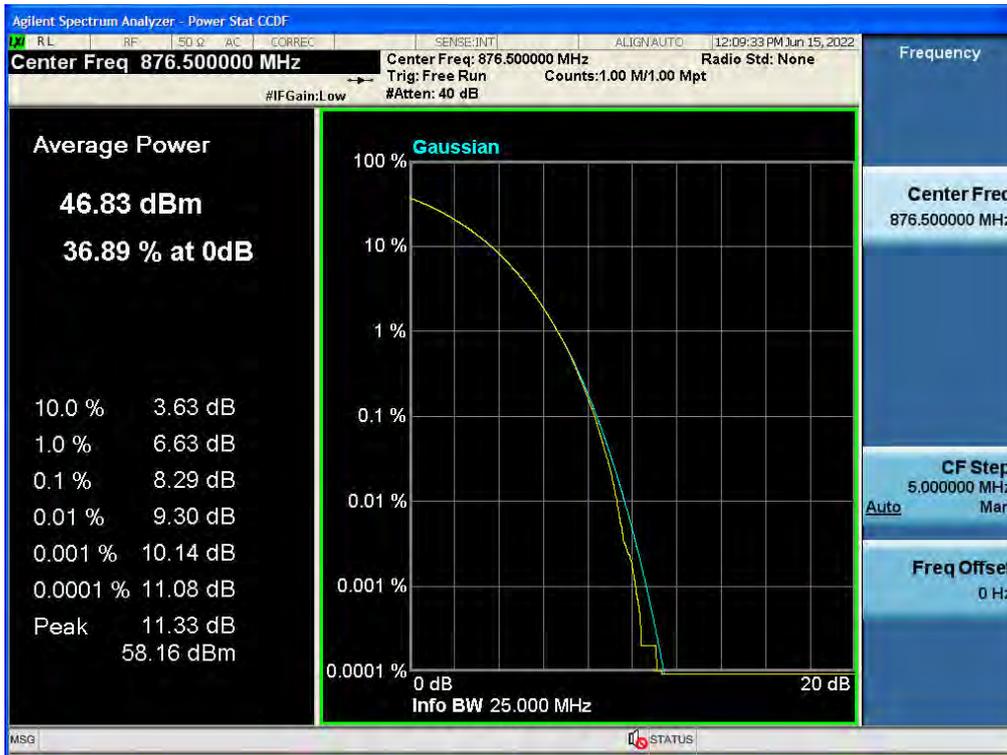
Antenna 0 / (2 Port)B5 DSS 10 MHz 1 Carrier + (5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier) [3 Carrier](1C+2C) / Non-Contiguous / B5 DSS 10 MHz / 256QAM / Low



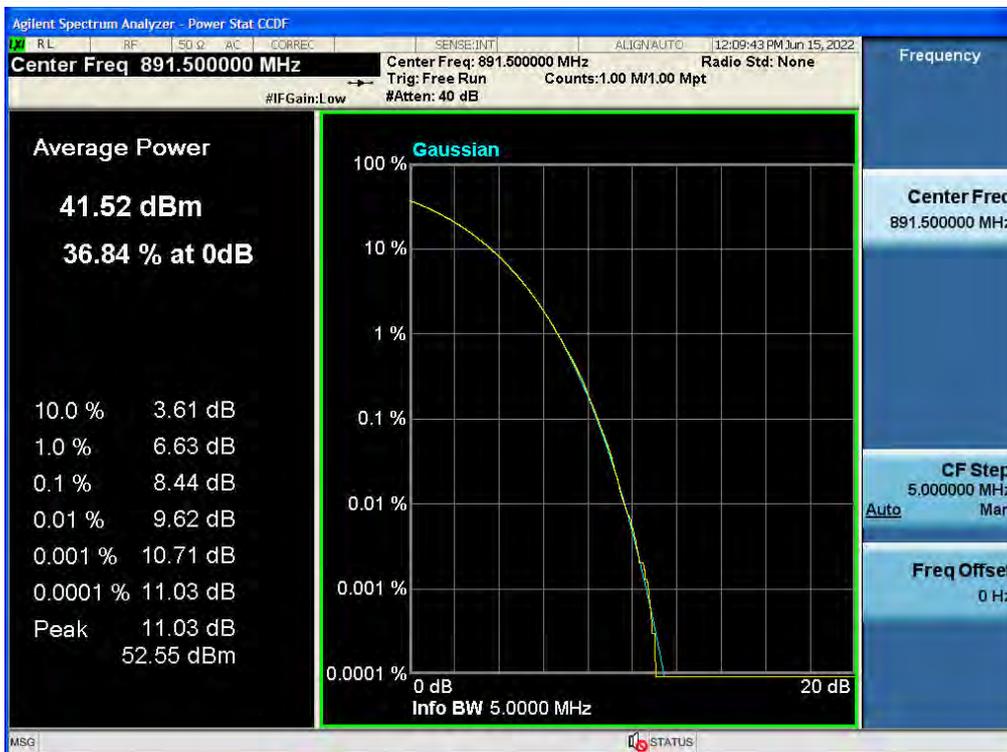
Antenna 0 / (2 Port)B5 DSS 10 MHz 1 Carrier + (5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier) [3 Carrier](1C+2C) / Non-Contiguous / 5G NR n5 5 MHz + LTE B5 5 MHz / 256QAM / High



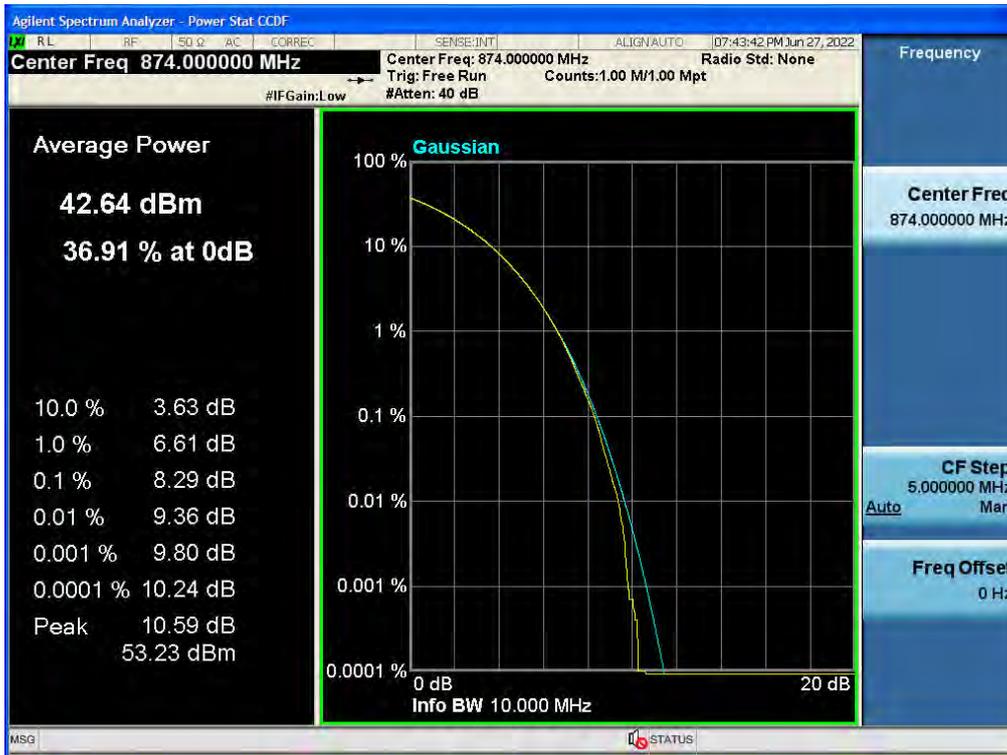
Antenna 0 / (2 Port)(B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier) + LTE B5 5 MHz 1 Carrier [3 Carrier](2C+1C) / Non-Contiguous / B5 DSS 10 MHz + 5G NR n5 5 MHz / 64QAM / Low



Antenna 0 / (2 Port)(B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier) + LTE B5 5 MHz 1 Carrier [3 Carrier](2C+1C) / Non-Contiguous / LTE B5 5 MHz / 64QAM / High



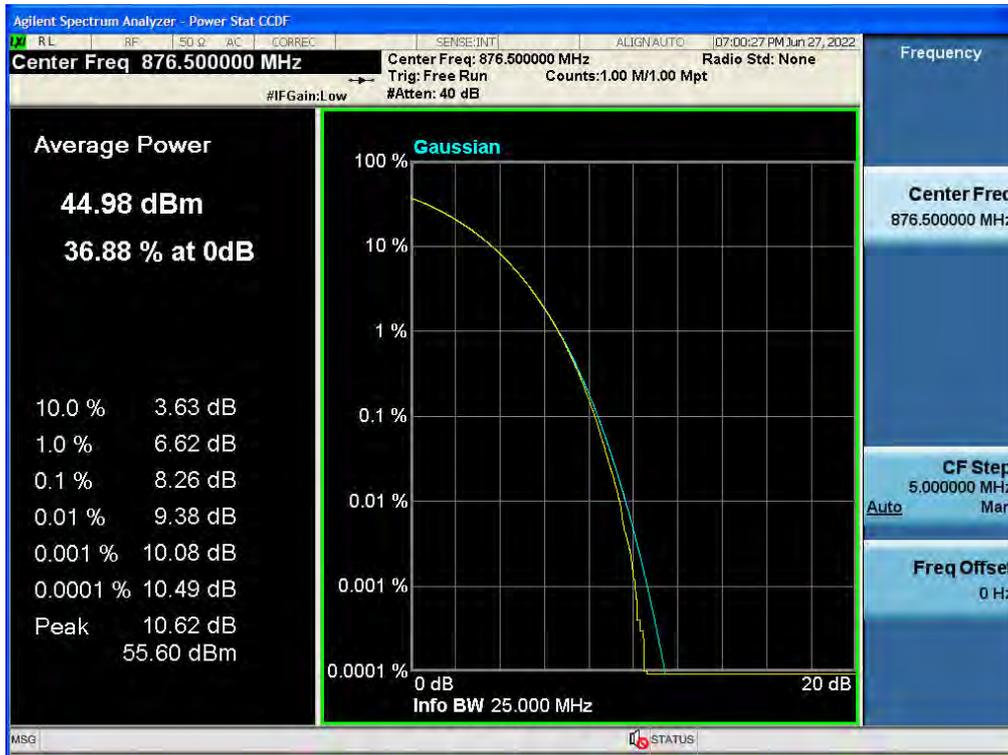
Antenna 1 / (4 Port)B5 DSS 10 MHz 1 Carrier + (5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier) [3 Carrier](1C+2C) / Non-Contiguous / B5 DSS 10 MHz / 256QAM / Low



Antenna 1 / (4 Port)B5 DSS 10 MHz 1 Carrier + (5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier) [3 Carrier](1C+2C) / Non-Contiguous / 5G NR n5 5 MHz + LTE B5 5 MHz / 256QAM / High



Antenna 1 / (4 Port)(B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier) + LTE B5 5 MHz 1 Carrier [3 Carrier](2C+1C) / Non-Contiguous / B5 DSS 10 MHz + 5G NR n5 5 MHz / 256QAM / Low



Antenna 1 / (4 Port)(B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier) + LTE B5 5 MHz 1 Carrier [3 Carrier](2C+1C) / Non-Contiguous / LTE B5 5 MHz / 256QAM / High



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 are attached only the worst case plot.

**Test Results:
Tabular Data of Occupied Bandwidth**
(2 Port)B5 DSS 10 MHz 2to8 1 Carrier

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	874.00	9.3022
		Middle	881.50	9.3132
		High	889.00	9.3294
	16QAM	Low	874.00	9.2199
		Middle	881.50	9.2016
		High	889.00	9.2152
	64QAM	Low	874.00	9.3516
		Middle	881.50	9.3362
		High	889.00	9.3363
	256QAM	Low	874.00	9.2938
		Middle	881.50	9.3326
		High	889.00	9.3495
1	QPSK	Low	874.00	9.3253
		Middle	881.50	9.3214
		High	889.00	9.2923
	16QAM	Low	874.00	9.2208
		Middle	881.50	9.2262
		High	889.00	9.2090
	64QAM	Low	874.00	9.3010
		Middle	881.50	9.3058
		High	889.00	9.3253
	256QAM	Low	874.00	9.3154
		Middle	881.50	9.3466
		High	889.00	9.3393

(2 Port)B5 DSS 10 MHz 5to5 1 Carrier

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	874.00	9.2553
		Middle	881.50	9.3387
		High	889.00	9.3064
	16QAM	Low	874.00	9.1548
		Middle	881.50	9.1756
		High	889.00	9.1869
	64QAM	Low	874.00	9.2958
		Middle	881.50	9.3061
		High	889.00	9.3026
	256QAM	Low	874.00	9.2606
		Middle	881.50	9.2956
		High	889.00	9.3185
1	QPSK	Low	874.00	9.2729
		Middle	881.50	9.3122
		High	889.00	9.2895
	16QAM	Low	874.00	9.3100
		Middle	881.50	9.1769
		High	889.00	9.1866
	64QAM	Low	874.00	9.3129
		Middle	881.50	9.2831
		High	889.00	9.2564
	256QAM	Low	874.00	9.2842
		Middle	881.50	9.2911
		High	889.00	9.2929

(2 Port)B5 DSS 10 MHz 9to1 1 Carrier

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	874.00	9.2025
		Middle	881.50	9.1832
		High	889.00	9.1904
	16QAM	Low	874.00	9.1367
		Middle	881.50	9.1150
		High	889.00	9.1103
	64QAM	Low	874.00	9.2627
		Middle	881.50	9.2203
		High	889.00	9.1746
	256QAM	Low	874.00	9.2982
		Middle	881.50	9.2322
		High	889.00	9.1989
1	QPSK	Low	874.00	9.1931
		Middle	881.50	9.1528
		High	889.00	9.2428
	16QAM	Low	874.00	9.1175
		Middle	881.50	9.0631
		High	889.00	9.1161
	64QAM	Low	874.00	9.2214
		Middle	881.50	9.1169
		High	889.00	9.2041
	256QAM	Low	874.00	9.2334
		Middle	881.50	9.1602
		High	889.00	9.1845

(2 Port)5G NR n5 5 MHz 1 Carrier

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	871.50	4.4784
		Middle	881.50	4.4825
		High	891.50	4.4930
	16QAM	Low	871.50	4.5008
		Middle	881.50	4.5119
		High	891.50	4.5067
	64QAM	Low	871.50	4.5018
		Middle	881.50	4.5005
		High	891.50	4.5044
	256QAM	Low	871.50	4.4842
		Middle	881.50	4.4884
		High	891.50	4.4939
1	QPSK	Low	871.50	4.4782
		Middle	881.50	4.4906
		High	891.50	4.4823
	16QAM	Low	871.50	4.5117
		Middle	881.50	4.5328
		High	891.50	4.5042
	64QAM	Low	871.50	4.4926
		Middle	881.50	4.4918
		High	891.50	4.4891
	256QAM	Low	871.50	4.4970
		Middle	881.50	4.4885
		High	891.50	4.4871

(2 Port)5G NR n5 10 MHz 1 Carrier

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	874.00	9.3339
		Middle	881.50	9.3146
		High	889.00	9.3227
	16QAM	Low	874.00	9.2619
		Middle	881.50	9.2376
		High	889.00	9.2302
	64QAM	Low	874.00	9.3505
		Middle	881.50	9.3300
		High	889.00	9.3294
	256QAM	Low	874.00	9.3416
		Middle	881.50	9.3393
		High	889.00	9.3191
1	QPSK	Low	874.00	9.3195
		Middle	881.50	9.3334
		High	889.00	9.3290
	16QAM	Low	874.00	9.2306
		Middle	881.50	9.2769
		High	889.00	9.2570
	64QAM	Low	874.00	9.3467
		Middle	881.50	9.3236
		High	889.00	9.3294
	256QAM	Low	874.00	9.3627
		Middle	881.50	9.3091
		High	889.00	9.3125

(4 Port)5G NR n5 5 MHz 1 Carrier

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	871.50	4.4864
		Middle	881.50	4.5047
		High	891.50	4.4941
	16QAM	Low	871.50	4.5065
		Middle	881.50	4.5068
		High	891.50	4.5156
	64QAM	Low	871.50	4.5010
		Middle	881.50	4.5002
		High	891.50	4.5024
	256QAM	Low	871.50	4.4923
		Middle	881.50	4.4919
		High	891.50	4.4803
1	QPSK	Low	871.50	4.5037
		Middle	881.50	4.4740
		High	891.50	4.5086
	16QAM	Low	871.50	4.5098
		Middle	881.50	4.5280
		High	891.50	4.5105
	64QAM	Low	871.50	4.4994
		Middle	881.50	4.4831
		High	891.50	4.4837
	256QAM	Low	871.50	4.4783
		Middle	881.50	4.5001
		High	891.50	4.4827

2	QPSK	Low	871.50	4.4989
		Middle	881.50	4.4899
		High	891.50	4.4904
	16QAM	Low	871.50	4.5108
		Middle	881.50	4.5084
		High	891.50	4.5048
	64QAM	Low	871.50	4.4978
		Middle	881.50	4.4918
		High	891.50	4.4784
	256QAM	Low	871.50	4.4866
		Middle	881.50	4.4985
		High	891.50	4.4823
3	QPSK	Low	871.50	4.4944
		Middle	881.50	4.4890
		High	891.50	4.4970
	16QAM	Low	871.50	4.5092
		Middle	881.50	4.5173
		High	891.50	4.4942
	64QAM	Low	871.50	4.4875
		Middle	881.50	4.4989
		High	891.50	4.5034
	256QAM	Low	871.50	4.5273
		Middle	881.50	4.5019
		High	891.50	4.4884

(2 Port)LTE B13 5 MHz 1 Carrier

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	748.50	4.5010
		Middle	751.00	4.4935
		High	753.50	4.5039
	16QAM	Low	748.50	4.4957
		Middle	751.00	4.5145
		High	753.50	4.4842
	64QAM	Low	748.50	4.5084
		Middle	751.00	4.5191
		High	753.50	4.5347
256QAM	Low	748.50	4.5350	
	Middle	751.00	4.5060	
	High	753.50	4.5211	
1	QPSK	Low	748.50	4.5091
		Middle	751.00	4.5009
		High	753.50	4.4977
	16QAM	Low	748.50	4.4907
		Middle	751.00	4.4900
		High	753.50	4.5137
	64QAM	Low	748.50	4.5478
		Middle	751.00	4.5171
		High	753.50	4.5093
256QAM	Low	748.50	4.5265	
	Middle	751.00	4.5059	
	High	753.50	4.4974	

(4 Port)LTE B13 5 MHz 1 Carrier

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	748.50	4.4984
		Middle	751.00	4.5266
		High	753.50	4.4946
	16QAM	Low	748.50	4.4987
		Middle	751.00	4.5132
		High	753.50	4.4525
	64QAM	Low	748.50	4.5000
		Middle	751.00	4.5252
		High	753.50	4.5193
	256QAM	Low	748.50	4.5207
		Middle	751.00	4.5353
		High	753.50	4.4836
1	QPSK	Low	748.50	4.5254
		Middle	751.00	4.5411
		High	753.50	4.5156
	16QAM	Low	748.50	4.4815
		Middle	751.00	4.5403
		High	753.50	4.4986
	64QAM	Low	748.50	4.5406
		Middle	751.00	4.5167
		High	753.50	4.5267
	256QAM	Low	748.50	4.5020
		Middle	751.00	4.5155
		High	753.50	4.5236

2	QPSK	Low	748.50	4.4978
		Middle	751.00	4.5229
		High	753.50	4.5052
	16QAM	Low	748.50	4.4969
		Middle	751.00	4.4956
		High	753.50	4.5000
	64QAM	Low	748.50	4.5048
		Middle	751.00	4.5010
		High	753.50	4.5029
	256QAM	Low	748.50	4.5273
		Middle	751.00	4.5112
		High	753.50	4.4992
3	QPSK	Low	748.50	4.5273
		Middle	751.00	4.5040
		High	753.50	4.4926
	16QAM	Low	748.50	4.5175
		Middle	751.00	4.5240
		High	753.50	4.5024
	64QAM	Low	748.50	4.4978
		Middle	751.00	4.5214
		High	753.50	4.5079
	256QAM	Low	748.50	4.5084
		Middle	751.00	4.4977
		High	753.50	4.5058

Tabular Data of Contiguous Occupied Bandwidth
(2 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	879.00	19.063
		Middle	881.50	19.064
		High	884.00	19.148
	16QAM	Low	879.00	18.998
		Middle	881.50	18.983
		High	884.00	18.969
	64QAM	Low	879.00	19.072
		Middle	881.50	19.066
		High	884.00	19.004
	256QAM	Low	879.00	19.080
		Middle	881.50	18.968
		High	884.00	19.016
1	QPSK	Low	879.00	19.057
		Middle	881.50	18.928
		High	884.00	19.108
	16QAM	Low	879.00	18.968
		Middle	881.50	19.001
		High	884.00	18.950
	64QAM	Low	879.00	19.062
		Middle	881.50	19.137
		High	884.00	19.150
	256QAM	Low	879.00	19.118
		Middle	881.50	18.910
		High	884.00	19.116

(2 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	874.00	9.4646
		Middle	881.50	9.4527
		High	889.00	9.4527
	16QAM	Low	874.00	9.5038
		Middle	881.50	9.4899
		High	889.00	9.4928
	64QAM	Low	874.00	9.4593
		Middle	881.50	9.4505
		High	889.00	9.4778
	256QAM	Low	874.00	9.4515
		Middle	881.50	9.4565
		High	889.00	9.4699
1	QPSK	Low	874.00	9.4456
		Middle	881.50	9.4707
		High	889.00	9.4352
	16QAM	Low	874.00	9.4641
		Middle	881.50	9.4877
		High	889.00	9.4941
	64QAM	Low	874.00	9.4767
		Middle	881.50	9.4597
		High	889.00	9.4618
	256QAM	Low	874.00	9.4608
		Middle	881.50	9.4484
		High	889.00	9.4703

(2 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	879.00	19.282
		Middle	881.50	19.258
		High	884.00	19.270
	16QAM	Low	879.00	19.158
		Middle	881.50	19.166
		High	884.00	19.131
	64QAM	Low	879.00	19.218
		Middle	881.50	19.244
		High	884.00	19.240
256QAM	Low	879.00	19.219	
	Middle	881.50	19.232	
	High	884.00	19.237	
1	QPSK	Low	879.00	19.227
		Middle	881.50	19.279
		High	884.00	19.244
	16QAM	Low	879.00	19.116
		Middle	881.50	19.136
		High	884.00	19.157
	64QAM	Low	879.00	19.221
		Middle	881.50	19.219
		High	884.00	19.243
256QAM	Low	879.00	19.260	
	Middle	881.50	19.255	
	High	884.00	19.293	

(2 Port)B5 DSS 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	876.50	14.268
		Middle	881.50	14.310
		High	886.50	14.225
	16QAM	Low	876.50	14.245
		Middle	881.50	14.191
		High	886.50	14.213
	64QAM	Low	876.50	14.307
		Middle	881.50	14.335
		High	886.50	14.319
256QAM	Low	876.50	14.289	
	Middle	881.50	14.367	
	High	886.50	14.276	
1	QPSK	Low	876.50	14.355
		Middle	881.50	14.301
		High	886.50	14.273
	16QAM	Low	876.50	14.289
		Middle	881.50	14.272
		High	886.50	14.270
	64QAM	Low	876.50	14.307
		Middle	881.50	14.319
		High	886.50	14.307
256QAM	Low	876.50	14.278	
	Middle	881.50	14.312	
	High	886.50	14.338	

(2 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	874.00	9.4720
		Middle	881.50	9.4599
		High	889.00	9.4676
	16QAM	Low	874.00	9.4350
		Middle	881.50	9.4529
		High	889.00	9.4963
	64QAM	Low	874.00	9.4690
		Middle	881.50	9.4814
		High	889.00	9.4475
	256QAM	Low	874.00	9.4516
		Middle	881.50	9.4942
		High	889.00	9.4486
1	QPSK	Low	874.00	9.4614
		Middle	881.50	9.4753
		High	889.00	9.4821
	16QAM	Low	874.00	9.4642
		Middle	881.50	9.4623
		High	889.00	9.5099
	64QAM	Low	874.00	9.5089
		Middle	881.50	9.4804
		High	889.00	9.4430
	256QAM	Low	874.00	9.4686
		Middle	881.50	9.5014
		High	889.00	9.4598

(2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	876.50	14.375
		Middle	881.50	14.256
		High	886.50	14.256
	16QAM	Low	876.50	14.269
		Middle	881.50	14.259
		High	886.50	14.177
	64QAM	Low	876.50	14.297
		Middle	881.50	14.259
		High	886.50	14.288
	256QAM	Low	876.50	14.265
		Middle	881.50	14.347
		High	886.50	14.323
1	QPSK	Low	876.50	14.262
		Middle	881.50	14.293
		High	886.50	14.232
	16QAM	Low	876.50	14.328
		Middle	881.50	14.351
		High	886.50	14.239
	64QAM	Low	876.50	14.308
		Middle	881.50	14.318
		High	886.50	14.253
	256QAM	Low	876.50	14.297
		Middle	881.50	14.352
		High	886.50	14.302

(2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	879.00	19.148
		Middle	881.50	19.162
		High	884.00	19.144
	16QAM	Low	879.00	18.922
		Middle	881.50	19.043
		High	884.00	19.150
	64QAM	Low	879.00	19.180
		Middle	881.50	19.198
		High	884.00	19.192
	256QAM	Low	879.00	19.185
		Middle	881.50	19.197
		High	884.00	19.152
1	QPSK	Low	879.00	19.165
		Middle	881.50	19.166
		High	884.00	19.175
	16QAM	Low	879.00	19.059
		Middle	881.50	19.043
		High	884.00	19.112
	64QAM	Low	879.00	19.143
		Middle	881.50	19.174
		High	884.00	19.155
	256QAM	Low	879.00	19.163
		Middle	881.50	19.145
		High	884.00	19.128

(4 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	879.00	19.014
		Middle	881.50	19.156
		High	884.00	19.086
	16QAM	Low	879.00	19.005
		Middle	881.50	18.994
		High	884.00	19.024
	64QAM	Low	879.00	19.050
		Middle	881.50	19.107
		High	884.00	19.163
	256QAM	Low	879.00	19.078
		Middle	881.50	19.100
		High	884.00	19.047
1	QPSK	Low	879.00	19.040
		Middle	881.50	19.111
		High	884.00	19.028
	16QAM	Low	879.00	19.001
		Middle	881.50	19.018
		High	884.00	19.020
	64QAM	Low	879.00	19.105
		Middle	881.50	19.076
		High	884.00	19.121
	256QAM	Low	879.00	19.071
		Middle	881.50	19.083
		High	884.00	19.079

2	QPSK	Low	879.00	18.991
		Middle	881.50	19.026
		High	884.00	19.127
	16QAM	Low	879.00	19.001
		Middle	881.50	18.990
		High	884.00	19.012
	64QAM	Low	879.00	19.160
		Middle	881.50	19.115
		High	884.00	19.141
256QAM	Low	879.00	19.130	
	Middle	881.50	19.029	
	High	884.00	19.034	
3	QPSK	Low	879.00	19.141
		Middle	881.50	19.088
		High	884.00	19.087
	16QAM	Low	879.00	18.903
		Middle	881.50	18.985
		High	884.00	18.973
	64QAM	Low	879.00	19.11
		Middle	881.50	19.046
		High	884.00	19.123
256QAM	Low	879.00	19.095	
	Middle	881.50	19.038	
	High	884.00	19.088	

(4 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	874.00	9.4647
		Middle	881.50	9.4438
		High	889.00	9.4493
	16QAM	Low	874.00	9.4846
		Middle	881.50	9.4921
		High	889.00	9.4887
	64QAM	Low	874.00	9.4598
		Middle	881.50	9.4578
		High	889.00	9.4482
	256QAM	Low	874.00	9.4540
		Middle	881.50	9.4501
		High	889.00	9.4563
1	QPSK	Low	874.00	9.4370
		Middle	881.50	9.4688
		High	889.00	9.4627
	16QAM	Low	874.00	9.4825
		Middle	881.50	9.4801
		High	889.00	9.4792
	64QAM	Low	874.00	9.4522
		Middle	881.50	9.4700
		High	889.00	9.4576
	256QAM	Low	874.00	9.4572
		Middle	881.50	9.4576
		High	889.00	9.4583

2	QPSK	Low	874.00	9.4686
		Middle	881.50	9.4641
		High	889.00	9.4678
	16QAM	Low	874.00	9.4915
		Middle	881.50	9.4654
		High	889.00	9.5075
	64QAM	Low	874.00	9.4729
		Middle	881.50	9.4754
		High	889.00	9.4557
	256QAM	Low	874.00	9.4748
		Middle	881.50	9.4482
		High	889.00	9.4559
3	QPSK	Low	874.00	9.4448
		Middle	881.50	9.4522
		High	889.00	9.4455
	16QAM	Low	874.00	9.4920
		Middle	881.50	9.4735
		High	889.00	9.4693
	64QAM	Low	874.00	9.4755
		Middle	881.50	9.4705
		High	889.00	9.4644
	256QAM	Low	874.00	9.4610
		Middle	881.50	9.4639
		High	889.00	9.4593

(4 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	879.00	19.286
		Middle	881.50	19.262
		High	884.00	19.202
	16QAM	Low	879.00	19.143
		Middle	881.50	19.099
		High	884.00	19.137
	64QAM	Low	879.00	19.254
		Middle	881.50	19.209
		High	884.00	19.260
	256QAM	Low	879.00	19.251
		Middle	881.50	19.226
		High	884.00	19.242
1	QPSK	Low	879.00	19.246
		Middle	881.50	19.254
		High	884.00	19.259
	16QAM	Low	879.00	19.132
		Middle	881.50	19.136
		High	884.00	19.155
	64QAM	Low	879.00	19.210
		Middle	881.50	19.242
		High	884.00	19.245
	256QAM	Low	879.00	19.256
		Middle	881.50	19.235
		High	884.00	19.257

2	QPSK	Low	879.00	19.273
		Middle	881.50	19.268
		High	884.00	19.270
	16QAM	Low	879.00	19.157
		Middle	881.50	19.160
		High	884.00	19.139
	64QAM	Low	879.00	19.232
		Middle	881.50	19.241
		High	884.00	19.201
256QAM	Low	879.00	19.254	
	Middle	881.50	19.222	
	High	884.00	19.242	
3	QPSK	Low	879.00	19.297
		Middle	881.50	19.266
		High	884.00	19.219
	16QAM	Low	879.00	19.112
		Middle	881.50	19.097
		High	884.00	19.129
	64QAM	Low	879.00	19.28
		Middle	881.50	19.250
		High	884.00	19.239
256QAM	Low	879.00	19.223	
	Middle	881.50	19.238	
	High	884.00	19.246	

(4 Port)B5 DSS 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	876.50	14.191
		Middle	881.50	14.207
		High	886.50	14.266
	16QAM	Low	876.50	14.212
		Middle	881.50	14.226
		High	886.50	14.216
	64QAM	Low	876.50	14.174
		Middle	881.50	14.266
		High	886.50	14.291
	256QAM	Low	876.50	14.244
		Middle	881.50	14.279
		High	886.50	14.229
1	QPSK	Low	876.50	14.234
		Middle	881.50	14.201
		High	886.50	14.225
	16QAM	Low	876.50	14.217
		Middle	881.50	14.294
		High	886.50	14.246
	64QAM	Low	876.50	14.201
		Middle	881.50	14.326
		High	886.50	14.248
	256QAM	Low	876.50	14.189
		Middle	881.50	14.252
		High	886.50	14.348

2	QPSK	Low	876.50	14.291
		Middle	881.50	14.217
		High	886.50	14.301
	16QAM	Low	876.50	14.279
		Middle	881.50	14.236
		High	886.50	14.167
	64QAM	Low	876.50	14.321
		Middle	881.50	14.366
		High	886.50	14.296
	256QAM	Low	876.50	14.297
		Middle	881.50	14.240
		High	886.50	14.225
3	QPSK	Low	876.50	14.210
		Middle	881.50	14.231
		High	886.50	14.301
	16QAM	Low	876.50	14.182
		Middle	881.50	14.247
		High	886.50	14.195
	64QAM	Low	876.50	14.20
		Middle	881.50	14.382
		High	886.50	14.281
	256QAM	Low	876.50	14.217
		Middle	881.50	14.303
		High	886.50	14.311

(4 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	874.00	9.4728
		Middle	881.50	9.4764
		High	889.00	9.4615
	16QAM	Low	874.00	9.4603
		Middle	881.50	9.4301
		High	889.00	9.4900
	64QAM	Low	874.00	9.4660
		Middle	881.50	9.5056
		High	889.00	9.4528
	256QAM	Low	874.00	9.4640
		Middle	881.50	9.4683
		High	889.00	9.4449
1	QPSK	Low	874.00	9.4576
		Middle	881.50	9.4743
		High	889.00	9.4587
	16QAM	Low	874.00	9.4137
		Middle	881.50	9.4772
		High	889.00	9.5161
	64QAM	Low	874.00	9.4557
		Middle	881.50	9.4600
		High	889.00	9.4516
	256QAM	Low	874.00	9.4896
		Middle	881.50	9.4669
		High	889.00	9.4607

2	QPSK	Low	874.00	9.4666
		Middle	881.50	9.4545
		High	889.00	9.4550
	16QAM	Low	874.00	9.4287
		Middle	881.50	9.4565
		High	889.00	9.4907
	64QAM	Low	874.00	9.4905
		Middle	881.50	9.5034
		High	889.00	9.4637
	256QAM	Low	874.00	9.4848
		Middle	881.50	9.4840
		High	889.00	9.4684
3	QPSK	Low	874.00	9.4690
		Middle	881.50	9.4663
		High	889.00	9.4645
	16QAM	Low	874.00	9.4610
		Middle	881.50	9.4435
		High	889.00	9.4716
	64QAM	Low	874.00	9.4771
		Middle	881.50	9.4910
		High	889.00	9.4406
	256QAM	Low	874.00	9.4763
		Middle	881.50	9.4660
		High	889.00	9.4739

(4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	876.50	14.323
		Middle	881.50	14.256
		High	886.50	14.239
	16QAM	Low	876.50	14.333
		Middle	881.50	14.279
		High	886.50	14.199
	64QAM	Low	876.50	14.277
		Middle	881.50	14.377
		High	886.50	14.275
	256QAM	Low	876.50	14.287
		Middle	881.50	14.329
		High	886.50	14.272
1	QPSK	Low	876.50	14.284
		Middle	881.50	14.277
		High	886.50	14.291
	16QAM	Low	876.50	14.321
		Middle	881.50	14.304
		High	886.50	14.188
	64QAM	Low	876.50	14.344
		Middle	881.50	14.271
		High	886.50	14.337
	256QAM	Low	876.50	14.298
		Middle	881.50	14.261
		High	886.50	14.293

2	QPSK	Low	876.50	14.294
		Middle	881.50	14.288
		High	886.50	14.318
	16QAM	Low	876.50	14.323
		Middle	881.50	14.327
		High	886.50	14.197
	64QAM	Low	876.50	14.362
		Middle	881.50	14.275
		High	886.50	14.222
256QAM	Low	876.50	14.282	
	Middle	881.50	14.306	
	High	886.50	14.266	
3	QPSK	Low	876.50	14.291
		Middle	881.50	14.285
		High	886.50	14.286
	16QAM	Low	876.50	14.266
		Middle	881.50	14.288
		High	886.50	14.222
	64QAM	Low	876.50	14.26
		Middle	881.50	14.267
		High	886.50	14.260
256QAM	Low	876.50	14.250	
	Middle	881.50	14.276	
	High	886.50	14.316	

(4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	879.00	19.098
		Middle	881.50	19.171
		High	884.00	19.157
	16QAM	Low	879.00	19.032
		Middle	881.50	19.023
		High	884.00	19.092
	64QAM	Low	879.00	19.126
		Middle	881.50	19.177
		High	884.00	19.110
	256QAM	Low	879.00	19.174
		Middle	881.50	19.185
		High	884.00	19.192
1	QPSK	Low	879.00	19.163
		Middle	881.50	19.206
		High	884.00	19.096
	16QAM	Low	879.00	19.036
		Middle	881.50	19.021
		High	884.00	19.170
	64QAM	Low	879.00	19.248
		Middle	881.50	19.134
		High	884.00	19.166
	256QAM	Low	879.00	19.132
		Middle	881.50	19.200
		High	884.00	19.181

2	QPSK	Low	879.00	19.208
		Middle	881.50	19.206
		High	884.00	19.235
	16QAM	Low	879.00	19.053
		Middle	881.50	19.032
		High	884.00	19.096
	64QAM	Low	879.00	19.151
		Middle	881.50	19.178
		High	884.00	19.186
	256QAM	Low	879.00	19.181
		Middle	881.50	19.143
		High	884.00	19.160
3	QPSK	Low	879.00	19.128
		Middle	881.50	19.179
		High	884.00	19.225
	16QAM	Low	879.00	19.074
		Middle	881.50	19.041
		High	884.00	19.084
	64QAM	Low	879.00	19.09
		Middle	881.50	19.124
		High	884.00	19.245
	256QAM	Low	879.00	19.185
		Middle	881.50	19.174
		High	884.00	19.141

(2 Port)LTE B13 5 MHz 1 Carrier + LTE B13 5 MHz 1 Carrier [2 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Middle	751.00	9.4708
	16QAM	Middle	751.00	9.4825
	64QAM	Middle	751.00	9.4760
	256QAM	Middle	751.00	9.4766
1	QPSK	Middle	751.00	9.4654
	16QAM	Middle	751.00	9.4597
	64QAM	Middle	751.00	9.4518
	256QAM	Middle	751.00	9.4737

(4 Port)LTE B13 5 MHz 1 Carrier + LTE B13 5 MHz 1 Carrier [2 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Middle	751.00	9.4561
	16QAM	Middle	751.00	9.4785
	64QAM	Middle	751.00	9.4568
	256QAM	Middle	751.00	9.4618
1	QPSK	Middle	751.00	9.4560
	16QAM	Middle	751.00	9.4543
	64QAM	Middle	751.00	9.4745
	256QAM	Middle	751.00	9.4396
2	QPSK	Middle	751.00	9.4570
	16QAM	Middle	751.00	9.4500
	64QAM	Middle	751.00	9.4760
	256QAM	Middle	751.00	9.4815
3	QPSK	Middle	751.00	9.4685
	16QAM	Middle	751.00	9.4415
	64QAM	Middle	751.00	9.4646
	256QAM	Middle	751.00	9.4584

(2 Port)B5 DSS 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier + LTE B5 10 MHz 1 Carrier [3 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Middle	881.50	23.890
	16QAM	Middle	881.50	23.959
	64QAM	Middle	881.50	23.890
	256QAM	Middle	881.50	23.907
1	QPSK	Middle	881.50	23.952
	16QAM	Middle	881.50	23.961
	64QAM	Middle	881.50	23.931
	256QAM	Middle	881.50	23.968

(2 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Middle	881.50	24.308
	16QAM	Middle	881.50	24.346
	64QAM	Middle	881.50	24.352
	256QAM	Middle	881.50	24.315
1	QPSK	Middle	881.50	24.319
	16QAM	Middle	881.50	24.305
	64QAM	Middle	881.50	24.346
	256QAM	Middle	881.50	24.368

(2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Middle	881.50	24.255
	16QAM	Middle	881.50	24.183
	64QAM	Middle	881.50	24.194
	256QAM	Middle	881.50	24.210
1	QPSK	Middle	881.50	24.225
	16QAM	Middle	881.50	24.211
	64QAM	Middle	881.50	24.194
	256QAM	Middle	881.50	24.208

(2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	879.00	19.264
		Middle	881.50	19.269
		High	884.00	19.194
	16QAM	Low	879.00	19.245
		Middle	881.50	19.171
		High	884.00	19.172
	64QAM	Low	879.00	19.279
		Middle	881.50	19.264
		High	884.00	19.223
	256QAM	Low	879.00	19.235
		Middle	881.50	19.246
		High	884.00	19.242
1	QPSK	Low	879.00	19.230
		Middle	881.50	19.299
		High	884.00	19.290
	16QAM	Low	879.00	19.251
		Middle	881.50	19.199
		High	884.00	19.179
	64QAM	Low	879.00	19.305
		Middle	881.50	19.287
		High	884.00	19.275
	256QAM	Low	879.00	19.237
		Middle	881.50	19.273
		High	884.00	19.250

(4 Port)B5 DSS 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier + LTE B5 10 MHz 1 Carrier [3 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Middle	881.50	23.981
	16QAM	Middle	881.50	23.950
	64QAM	Middle	881.50	23.960
	256QAM	Middle	881.50	23.937
1	QPSK	Middle	881.50	23.993
	16QAM	Middle	881.50	24.052
	64QAM	Middle	881.50	23.969
	256QAM	Middle	881.50	23.957
2	QPSK	Middle	881.50	23.911
	16QAM	Middle	881.50	23.996
	64QAM	Middle	881.50	24.035
	256QAM	Middle	881.50	23.980
3	QPSK	Middle	881.50	23.977
	16QAM	Middle	881.50	24.007
	64QAM	Middle	881.50	23.995
	256QAM	Middle	881.50	23.995

(4 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Middle	881.50	24.357
	16QAM	Middle	881.50	24.247
	64QAM	Middle	881.50	24.280
	256QAM	Middle	881.50	24.252
1	QPSK	Middle	881.50	24.296
	16QAM	Middle	881.50	24.282
	64QAM	Middle	881.50	24.312
	256QAM	Middle	881.50	24.264
2	QPSK	Middle	881.50	24.255
	16QAM	Middle	881.50	24.321
	64QAM	Middle	881.50	24.305
	256QAM	Middle	881.50	24.295
3	QPSK	Middle	881.50	24.316
	16QAM	Middle	881.50	24.307
	64QAM	Middle	881.50	24.356
	256QAM	Middle	881.50	24.321

(4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Middle	881.50	24.236
	16QAM	Middle	881.50	24.170
	64QAM	Middle	881.50	24.260
	256QAM	Middle	881.50	24.173
1	QPSK	Middle	881.50	24.191
	16QAM	Middle	881.50	24.185
	64QAM	Middle	881.50	24.262
	256QAM	Middle	881.50	24.253
2	QPSK	Middle	881.50	24.181
	16QAM	Middle	881.50	24.183
	64QAM	Middle	881.50	24.197
	256QAM	Middle	881.50	24.191
3	QPSK	Middle	881.50	24.234
	16QAM	Middle	881.50	24.161
	64QAM	Middle	881.50	24.230
	256QAM	Middle	881.50	24.182

(4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier]

Ant	Mod	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)
0	QPSK	Low	879.00	19.240
		Middle	881.50	19.220
		High	884.00	19.182
	16QAM	Low	879.00	19.247
		Middle	881.50	19.216
		High	884.00	19.179
	64QAM	Low	879.00	19.272
		Middle	881.50	19.298
		High	884.00	19.289
	256QAM	Low	879.00	19.260
		Middle	881.50	19.316
		High	884.00	19.328
1	QPSK	Low	879.00	19.320
		Middle	881.50	19.272
		High	884.00	19.321
	16QAM	Low	879.00	19.185
		Middle	881.50	19.195
		High	884.00	19.166
	64QAM	Low	879.00	19.263
		Middle	881.50	19.241
		High	884.00	19.310
	256QAM	Low	879.00	19.229
		Middle	881.50	19.326
		High	884.00	19.265

2	QPSK	Low	879.00	19.207
		Middle	881.50	19.295
		High	884.00	19.195
	16QAM	Low	879.00	19.195
		Middle	881.50	19.200
		High	884.00	19.211
	64QAM	Low	879.00	19.190
		Middle	881.50	19.218
		High	884.00	19.236
256QAM	Low	879.00	19.289	
	Middle	881.50	19.237	
	High	884.00	19.189	
3	QPSK	Low	879.00	19.234
		Middle	881.50	19.208
		High	884.00	19.172
	16QAM	Low	879.00	19.158
		Middle	881.50	19.162
		High	884.00	19.247
	64QAM	Low	879.00	19.240
		Middle	881.50	19.236
		High	884.00	19.286
256QAM	Low	879.00	19.205	
	Middle	881.50	19.169	
	High	884.00	19.209	

Tabular Data of Non-Contiguous Occupied Bandwidth
(2 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier]

Ant	Mod	B5 DSS 10 MHz		B5 DSS 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	874.00	9.2334	889.00	9.1811	18.415
	16QAM	874.00	9.1402	889.00	9.1207	18.261
	64QAM	874.00	9.1989	889.00	9.1987	18.398
	256QAM	874.00	9.2218	889.00	9.2534	18.475
1	QPSK	874.00	9.1594	889.00	9.1726	18.332
	16QAM	874.00	9.1124	889.00	9.1538	18.266
	64QAM	874.00	9.2637	889.00	9.1780	18.442
	256QAM	874.00	9.2592	889.00	9.2465	18.506

(2 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier]

Ant	Mod	5G NR n5 5 MHz		5G NR n5 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	871.50	4.4940	891.50	4.5041	8.9982
	16QAM	871.50	4.5045	891.50	4.5000	9.0045
	64QAM	871.50	4.4869	891.50	4.4885	8.9754
	256QAM	871.50	4.4849	891.50	4.4831	8.9680
1	QPSK	871.50	4.4839	891.50	4.4961	8.9800
	16QAM	871.50	4.5059	891.50	4.5070	9.0129
	64QAM	871.50	4.4854	891.50	4.4956	8.9810
	256QAM	871.50	4.4866	891.50	4.5050	8.9916

(2 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier]

Ant	Mod	5G NR n5 10 MHz		5G NR n5 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	874.00	9.3214	889.00	9.3169	18.638
	16QAM	874.00	9.2826	889.00	9.2472	18.530
	64QAM	874.00	9.3065	889.00	9.3348	18.641
	256QAM	874.00	9.3395	889.00	9.3384	18.678
1	QPSK	874.00	9.3180	889.00	9.3197	18.638
	16QAM	874.00	9.2789	889.00	9.2584	18.537
	64QAM	874.00	9.3405	889.00	9.3078	18.648
	256QAM	874.00	9.3273	889.00	9.3162	18.644

(2 Port)B5 DSS 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier]

Ant	Mod	B5 DSS 10 MHz		LTE B5 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	874.00	9.2116	891.50	4.5038	13.715
	16QAM	874.00	9.0825	891.50	4.5125	13.595
	64QAM	874.00	9.1735	891.50	4.5179	13.691
	256QAM	874.00	9.1782	891.50	4.5088	13.687
1	QPSK	874.00	9.2182	891.50	4.5000	13.718
	16QAM	874.00	9.0481	891.50	4.4805	13.529
	64QAM	874.00	9.2257	891.50	4.5200	13.746
	256QAM	874.00	9.1851	891.50	4.5021	13.687

(2 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier]

Ant	Mod	5G NR n5 5 MHz		LTE B5 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	871.50	4.4912	891.50	4.4937	8.9850
	16QAM	871.50	4.5195	891.50	4.4833	9.0028
	64QAM	871.50	4.5073	891.50	4.5147	9.0220
	256QAM	871.50	4.5009	891.50	4.4913	8.9922
1	QPSK	871.50	4.4842	891.50	4.5043	8.9886
	16QAM	871.50	4.5110	891.50	4.4989	9.0099
	64QAM	871.50	4.4932	891.50	4.4951	8.9883
	256QAM	871.50	4.4907	891.50	4.5203	9.0110

(2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier]

Ant	Mod	B5 DSS 10 MHz		5G NR n5 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	874.00	9.1831	891.50	4.4962	13.679
	16QAM	874.00	9.0931	891.50	4.5226	13.616
	64QAM	874.00	9.2255	891.50	4.4953	13.721
	256QAM	874.00	9.2047	891.50	4.4947	13.699
1	QPSK	874.00	9.2290	891.50	4.4825	13.711
	16QAM	874.00	9.1133	891.50	4.5061	13.619
	64QAM	874.00	9.2146	891.50	4.4937	13.708
	256QAM	874.00	9.1789	891.50	4.4859	13.665

(2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier]

Ant	Mod	B5 DSS 10 MHz		5G NR n5 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	874.00	9.2086	889.00	9.3388	18.547
	16QAM	874.00	9.1168	889.00	9.2529	18.370
	64QAM	874.00	9.1722	889.00	9.3132	18.485
	256QAM	874.00	9.2608	889.00	9.3010	18.562
1	QPSK	874.00	9.2044	889.00	9.3350	18.539
	16QAM	874.00	9.1139	889.00	9.2927	18.407
	64QAM	874.00	9.1978	889.00	9.3309	18.529
	256QAM	874.00	9.2191	889.00	9.3258	18.545

(4 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier]

Ant	Mod	B5 DSS 10 MHz		B5 DSS 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	874.00	9.1890	889.00	9.2473	18.436
	16QAM	874.00	9.0631	889.00	9.0919	18.155
	64QAM	874.00	9.2482	889.00	9.2795	18.528
	256QAM	874.00	9.0128	889.00	8.9838	17.997
1	QPSK	874.00	9.2517	889.00	9.1906	18.442
	16QAM	874.00	9.1235	889.00	9.0779	18.201
	64QAM	874.00	9.2135	889.00	9.1574	18.371
	256QAM	874.00	9.0034	889.00	8.9762	17.980
2	QPSK	874.00	9.2219	889.00	9.2134	18.435
	16QAM	874.00	9.1252	889.00	9.0976	18.223
	64QAM	874.00	9.2318	889.00	9.2591	18.491
	256QAM	874.00	9.0035	889.00	8.9995	18.003
3	QPSK	874.00	9.2215	889.00	9.1741	18.396
	16QAM	874.00	9.1317	889.00	9.0902	18.222
	64QAM	874.00	9.2403	889.00	9.1903	18.431
	256QAM	874.00	9.0072	889.00	9.0606	18.068

(4 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier]

Ant	Mod	5G NR n5 5 MHz		5G NR n5 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	871.50	4.4873	891.50	4.4936	8.9808
	16QAM	871.50	4.5028	891.50	4.5180	9.0208
	64QAM	871.50	4.4928	891.50	4.4976	8.9904
	256QAM	871.50	4.4911	891.50	4.4828	8.9739
1	QPSK	871.50	4.4863	891.50	4.4897	8.9761
	16QAM	871.50	4.5071	891.50	4.4972	9.0042
	64QAM	871.50	4.4964	891.50	4.5216	9.0180
	256QAM	871.50	4.4968	891.50	4.5024	8.9992
2	QPSK	871.50	4.4959	891.50	4.4986	8.9944
	16QAM	871.50	4.5257	891.50	4.5217	9.0474
	64QAM	871.50	4.5034	891.50	4.4939	8.9973
	256QAM	871.50	4.4877	891.50	4.4928	8.9805
3	QPSK	871.50	4.4936	891.50	4.4977	8.9913
	16QAM	871.50	4.5273	891.50	4.5030	9.0303
	64QAM	871.50	4.5009	891.50	4.5029	9.0038
	256QAM	871.50	4.5101	891.50	4.4866	8.9967

(4 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier]

Ant	Mod	5G NR n5 10 MHz		5G NR n5 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	874.00	9.3398	889.00	9.3432	18.683
	16QAM	874.00	9.2541	889.00	9.2746	18.529
	64QAM	874.00	9.3054	889.00	9.3238	18.629
	256QAM	874.00	9.3367	889.00	9.2862	18.623
1	QPSK	874.00	9.3199	889.00	9.3301	18.650
	16QAM	874.00	9.2342	889.00	9.3023	18.537
	64QAM	874.00	9.3106	889.00	9.2884	18.599
	256QAM	874.00	9.3211	889.00	9.3318	18.653
2	QPSK	874.00	9.3349	889.00	9.3274	18.662
	16QAM	874.00	9.2639	889.00	9.2686	18.533
	64QAM	874.00	9.3243	889.00	9.2884	18.613
	256QAM	874.00	9.3233	889.00	9.3139	18.637
3	QPSK	874.00	9.3320	889.00	9.3367	18.669
	16QAM	874.00	9.2457	889.00	9.2698	18.515
	64QAM	874.00	9.3139	889.00	9.3259	18.640
	256QAM	874.00	9.3326	889.00	9.3201	18.653

(4 Port)B5 DSS 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier]

Ant	Mod	B5 DSS 10 MHz		LTE B5 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	874.00	9.2401	891.50	4.5218	13.762
	16QAM	874.00	9.0959	891.50	4.5087	13.605
	64QAM	874.00	9.2356	891.50	4.4954	13.731
	256QAM	874.00	9.1984	891.50	4.5122	13.711
1	QPSK	874.00	9.2335	891.50	4.5004	13.734
	16QAM	874.00	9.0780	891.50	4.4887	13.567
	64QAM	874.00	9.2185	891.50	4.5024	13.721
	256QAM	874.00	9.2000	891.50	4.5125	13.712
2	QPSK	874.00	9.1864	891.50	4.5076	13.694
	16QAM	874.00	9.1157	891.50	4.4892	13.605
	64QAM	874.00	9.2301	891.50	4.5177	13.748
	256QAM	874.00	9.1735	891.50	4.5199	13.693
3	QPSK	874.00	9.2487	891.50	4.5058	13.754
	16QAM	874.00	9.1290	891.50	4.5061	13.635
	64QAM	874.00	9.2507	891.50	4.5013	13.752
	256QAM	874.00	9.2059	891.50	4.5225	13.728

(4 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier]

Ant	Mod	5G NR n5 5 MHz		LTE B5 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	871.50	4.4954	891.50	4.5043	8.9997
	16QAM	871.50	4.5072	891.50	4.4922	8.9994
	64QAM	871.50	4.4925	891.50	4.5081	9.0006
	256QAM	871.50	4.4856	891.50	4.5082	8.9938
1	QPSK	871.50	4.4944	891.50	4.5034	8.9978
	16QAM	871.50	4.5127	891.50	4.5069	9.0197
	64QAM	871.50	4.4900	891.50	4.5083	8.9983
	256QAM	871.50	4.4910	891.50	4.4945	8.9855
2	QPSK	871.50	4.4919	891.50	4.5014	8.9933
	16QAM	871.50	4.5170	891.50	4.4816	8.9986
	64QAM	871.50	4.4889	891.50	4.5086	8.9975
	256QAM	871.50	4.4834	891.50	4.5122	8.9957
3	QPSK	871.50	4.4920	891.50	4.5057	8.9977
	16QAM	871.50	4.5134	891.50	4.4795	8.9929
	64QAM	871.50	4.5009	891.50	4.5022	9.0031
	256QAM	871.50	4.4783	891.50	4.5152	8.9936

(4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier]

Ant	Mod	B5 DSS 10 MHz		5G NR n5 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	874.00	9.2127	891.50	4.5025	13.715
	16QAM	874.00	9.1321	891.50	4.5170	13.649
	64QAM	874.00	9.2915	891.50	4.5008	13.792
	256QAM	874.00	9.2624	891.50	4.4921	13.754
1	QPSK	874.00	9.1985	891.50	4.4807	13.679
	16QAM	874.00	9.1006	891.50	4.5040	13.605
	64QAM	874.00	9.1640	891.50	4.5062	13.670
	256QAM	874.00	9.2460	891.50	4.5077	13.754
2	QPSK	874.00	9.1774	891.50	4.4904	13.668
	16QAM	874.00	9.0805	891.50	4.5066	13.587
	64QAM	874.00	9.2533	891.50	4.4922	13.745
	256QAM	874.00	9.1518	891.50	4.5046	13.656
3	QPSK	874.00	9.2273	891.50	4.4837	13.711
	16QAM	874.00	9.1105	891.50	4.5132	13.624
	64QAM	874.00	9.2571	891.50	4.4972	13.754
	256QAM	874.00	9.1809	891.50	4.4998	13.681

(4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier]

Ant	Mod	B5 DSS 10 MHz		5G NR n5 10 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	874.00	9.1927	889.00	9.3144	18.507
	16QAM	874.00	9.0252	889.00	9.2254	18.251
	64QAM	874.00	9.2015	889.00	9.3315	18.533
	256QAM	874.00	9.2272	889.00	9.2976	18.525
1	QPSK	874.00	9.1737	889.00	9.3447	18.518
	16QAM	874.00	9.0501	889.00	9.2640	18.314
	64QAM	874.00	9.2764	889.00	9.3136	18.590
	256QAM	874.00	9.2164	889.00	9.3215	18.538
2	QPSK	874.00	9.1611	889.00	9.3368	18.498
	16QAM	874.00	9.0047	889.00	9.2702	18.275
	64QAM	874.00	9.2516	889.00	9.3247	18.576
	256QAM	874.00	9.2062	889.00	9.3462	18.552
3	QPSK	874.00	9.2125	889.00	9.3182	18.531
	16QAM	874.00	9.0391	889.00	9.2660	18.305
	64QAM	874.00	9.2298	889.00	9.3391	18.569
	256QAM	874.00	9.2386	889.00	9.3248	18.563

(2 Port)B5 DSS 10 MHz 1 Carrier + (5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier) [3 Carrier](1C+2C)

Ant	Mod	B5 DSS 10 MHz		5G NR n5 5 MHz + LTE B5 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	874.00	9.2427	889.00	9.4714	18.714
	16QAM	874.00	9.0717	889.00	9.4749	18.547
	64QAM	874.00	9.1658	889.00	9.4522	18.618
	256QAM	874.00	9.1838	889.00	9.4601	18.644
1	QPSK	874.00	9.2729	889.00	9.4779	18.751
	16QAM	874.00	9.1655	889.00	9.4784	18.644
	64QAM	874.00	9.2541	889.00	9.4698	18.724
	256QAM	874.00	9.1954	889.00	9.4830	18.678

(2 Port)(B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier) + LTE B5 5 MHz 1 Carrier [3 Carrier](2C+1C)

Ant	Mod	B5 DSS 10 MHz + 5G NR n5 5 MHz		LTE B5 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	876.50	14.279	891.50	4.5036	18.783
	16QAM	876.50	14.401	891.50	4.4849	18.886
	64QAM	876.50	14.324	891.50	4.5136	18.838
	256QAM	876.50	14.241	891.50	4.4979	18.739
1	QPSK	876.50	14.360	891.50	4.5032	18.863
	16QAM	876.50	14.291	891.50	4.4935	18.784
	64QAM	876.50	14.284	891.50	4.5132	18.797
	256QAM	876.50	14.240	891.50	4.5189	18.759

(4 Port)B5 DSS 10 MHz 1 Carrier + (5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier) [3 Carrier](1C+2C)

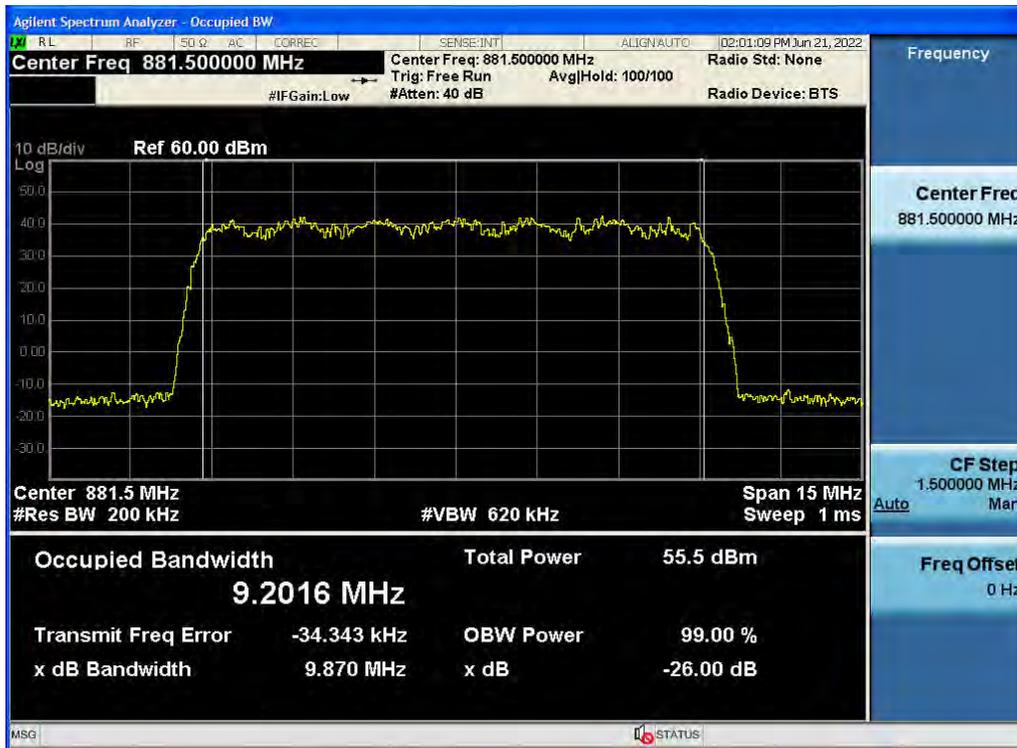
Ant	Mod	B5 DSS 10 MHz		5G NR n5 5 MHz + LTE B5 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	874.00	9.1863	889.00	9.4738	18.660
	16QAM	874.00	9.1635	889.00	9.4445	18.608
	64QAM	874.00	9.2361	889.00	9.4665	18.703
	256QAM	874.00	9.2602	889.00	9.4776	18.738
1	QPSK	874.00	9.2485	889.00	9.4884	18.737
	16QAM	874.00	9.1302	889.00	9.4181	18.548
	64QAM	874.00	9.1653	889.00	9.4762	18.641
	256QAM	874.00	9.2122	889.00	9.4652	18.677
2	QPSK	874.00	9.1960	889.00	9.4808	18.677
	16QAM	874.00	9.1586	889.00	9.4877	18.646
	64QAM	874.00	9.2323	889.00	9.4712	18.703
	256QAM	874.00	9.2486	889.00	9.4611	18.710
3	QPSK	874.00	9.1263	889.00	9.4654	18.592
	16QAM	874.00	9.1127	889.00	9.4695	18.582
	64QAM	874.00	9.2221	889.00	9.4854	18.708
	256QAM	874.00	9.2165	889.00	9.4861	18.703

(4 Port)(B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier) + LTE B5 5 MHz 1 Carrier [3 Carrier](2C+1C)

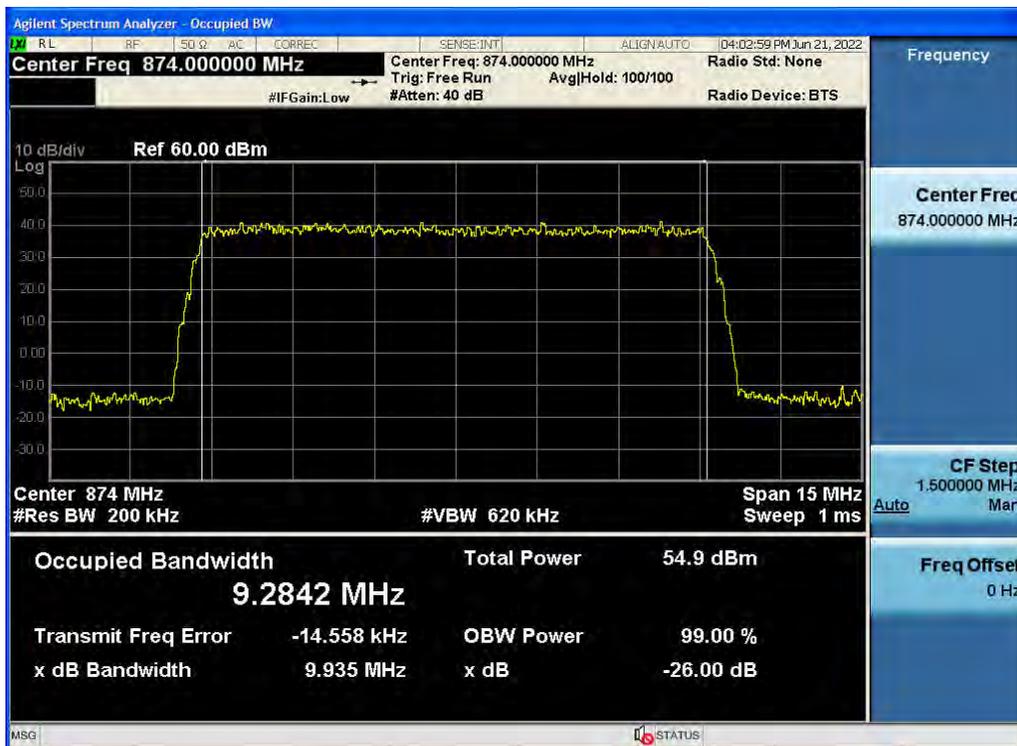
Ant	Mod	B5 DSS 10 MHz + 5G NR n5 5 MHz		LTE B5 5 MHz		Total OBW (MHz)
		Frequency (MHz)	Measured Value (MHz)	Frequency (MHz)	Measured Value (MHz)	
0	QPSK	876.50	14.326	891.50	4.5085	18.834
	16QAM	876.50	14.272	891.50	4.4953	18.767
	64QAM	876.50	14.269	891.50	4.5092	18.778
	256QAM	876.50	14.291	891.50	4.5151	18.806
1	QPSK	876.50	14.283	891.50	4.5079	18.791
	16QAM	876.50	14.400	891.50	4.5018	18.902
	64QAM	876.50	14.349	891.50	4.5037	18.853
	256QAM	876.50	14.372	891.50	4.5140	18.886
2	QPSK	876.50	14.293	891.50	4.5166	18.810
	16QAM	876.50	14.240	891.50	4.4822	18.722
	64QAM	876.50	14.313	891.50	4.5127	18.826
	256QAM	876.50	14.280	891.50	4.5180	18.798
3	QPSK	876.50	14.328	891.50	4.5088	18.837
	16QAM	876.50	14.340	891.50	4.5065	18.846
	64QAM	876.50	14.317	891.50	4.5023	18.820
	256QAM	876.50	14.301	891.50	4.5181	18.819

Plot Data of Occupied bandwidth

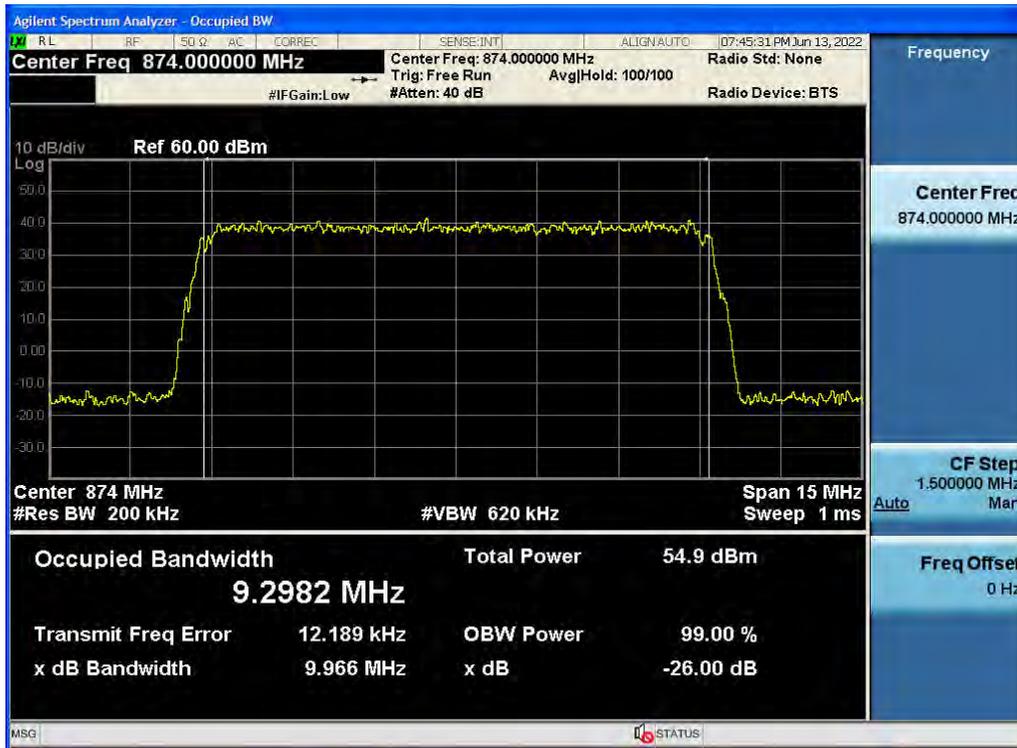
Antenna 0 / (2 Port)B5 DSS 10 MHz 2to8 1 Carrier / 16QAM / Middle



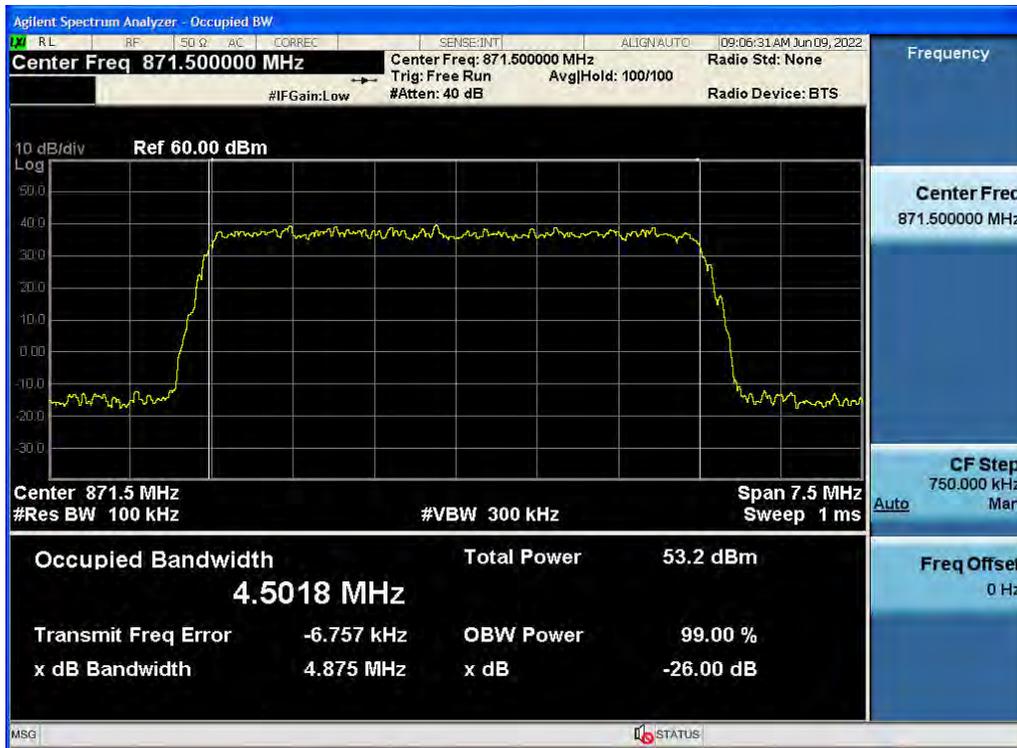
Antenna 1 / (2 Port)B5 DSS 10 MHz 5to5 1 Carrier / 256QAM / Low



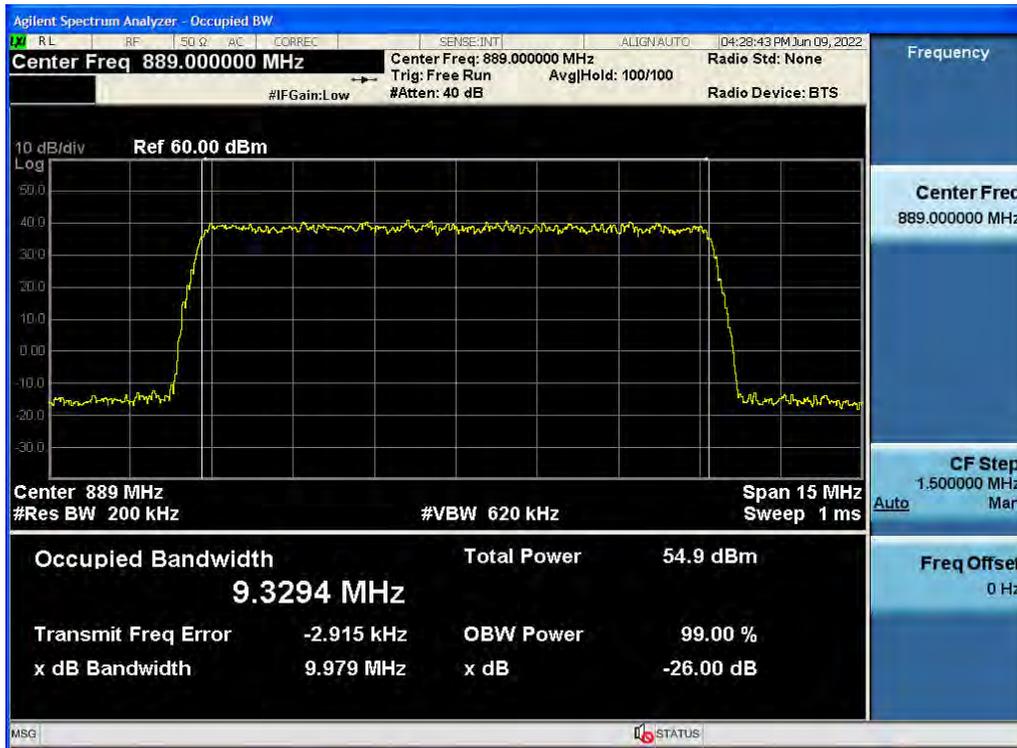
Antenna 0 / (2 Port)B5 DSS 10 MHz 9to1 1 Carrier / 256QAM / Low



Antenna 0 / (2 Port)5G NR n5 5 MHz 1 Carrier / 64QAM / Low



Antenna 0 / (2 Port)5G NR n5 10 MHz 1 Carrier / 64QAM / High



Antenna 1 / (4 Port)5G NR n5 5 MHz 1 Carrier / 16QAM / Low

