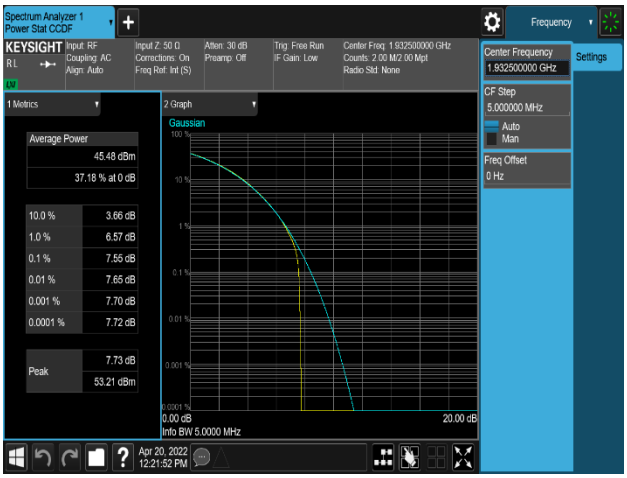
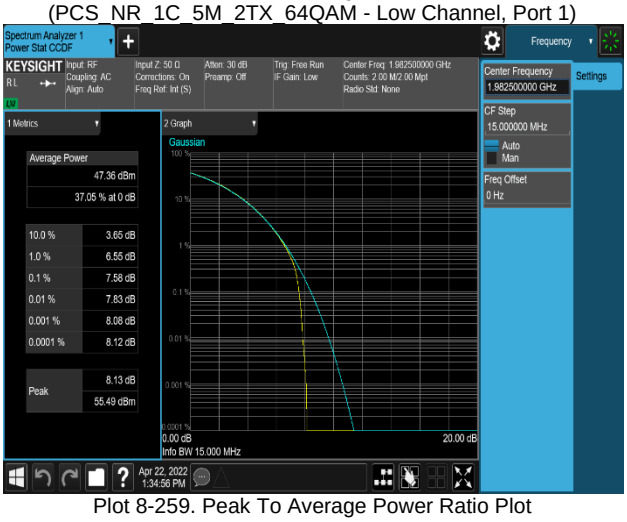
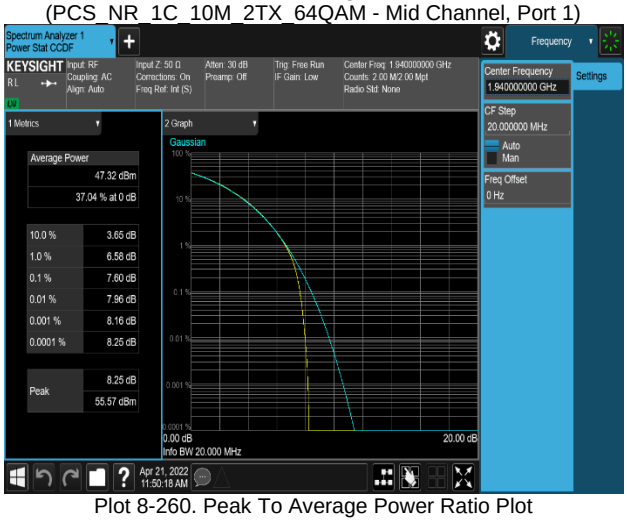


Plot 8-257. Peak To Average Power Ratio Plot
(PCS_NR_1C_5M_2TX_64QAM - Low Channel, Port 1)

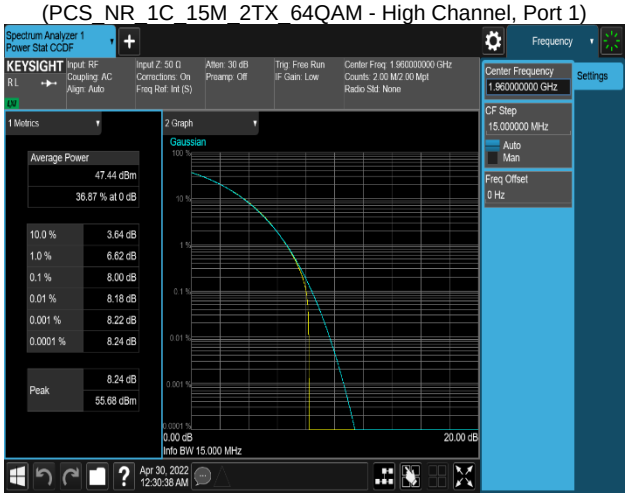
Plot 8-258. Peak To Average Power Ratio Plot
(PCS_NR_1C_10M_2TX_64QAM - Mid Channel, Port 1)



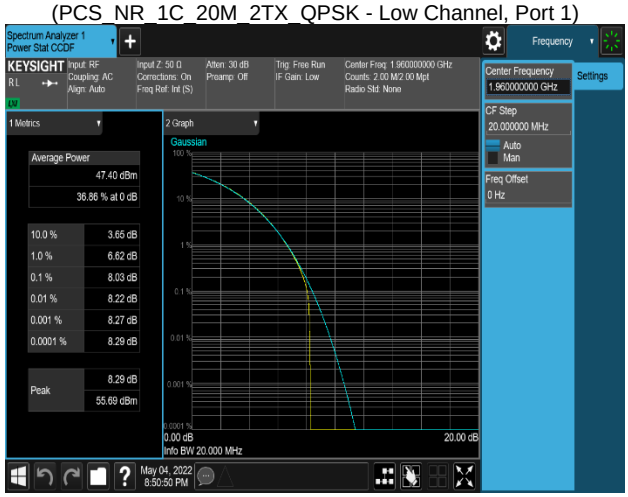
Plot 8-259. Peak To Average Power Ratio Plot
(PCS_NR_1C_15M_2TX_64QAM - High Channel, Port 1)



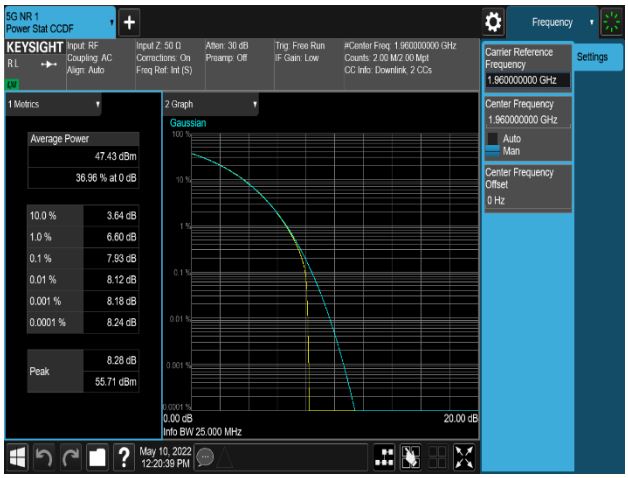
Plot 8-260. Peak To Average Power Ratio Plot
(PCS_NR_1C_20M_2TX_QPSK - Low Channel, Port 1)



Plot 8-261. Peak To Average Power Ratio Plot
(PCS_DSS_9:1_1C_15M_2TX_256QAM - Mid Channel, Port 1)

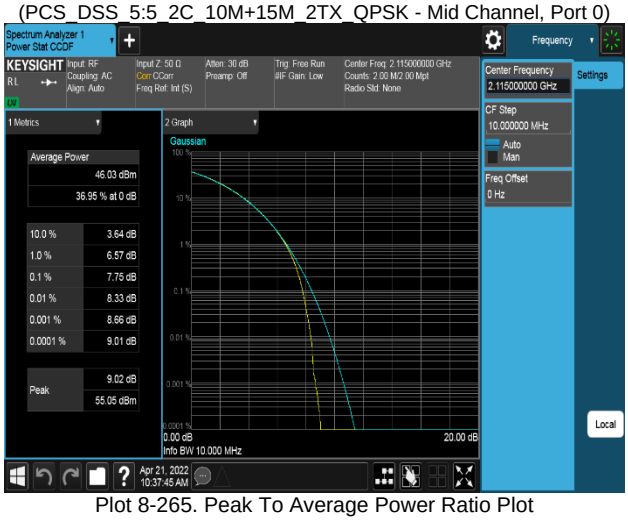


Plot 8-262. Peak To Average Power Ratio Plot
(PCS_DSS_9:1_1C_20M_2TX_16QAM - Mid Channel, Port 1)

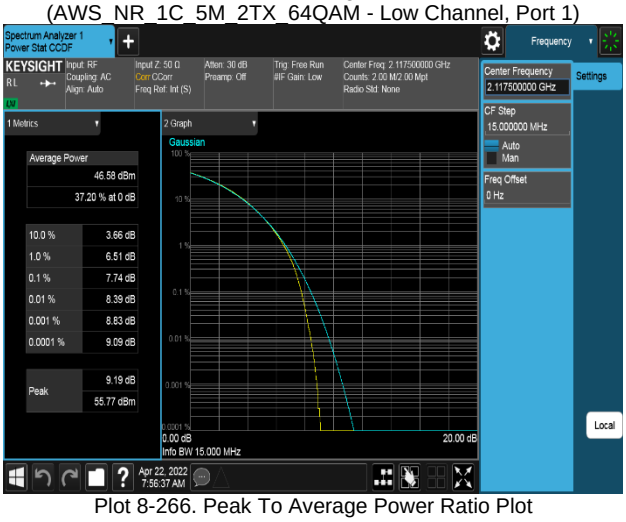


Plot 8-263. Peak To Average Power Ratio Plot
(PCS_DSS_5:5_2C_10M+15M_2TX_QPSK - Mid Channel, Port 0)

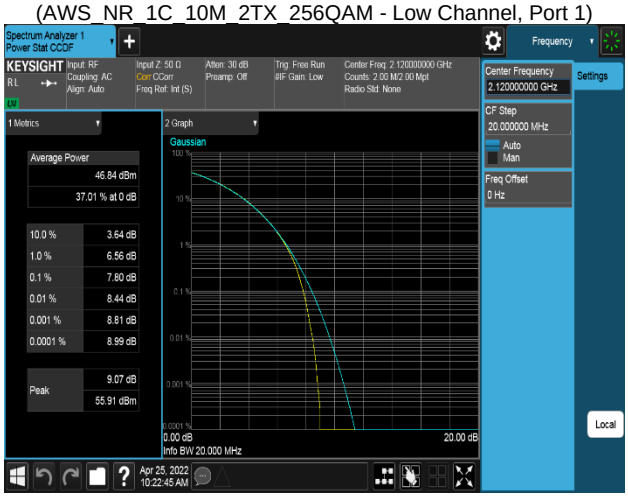
Plot 8-264. Peak To Average Power Ratio Plot
(AWS_NR_1C_5M_2TX_64QAM - Low Channel, Port 1)



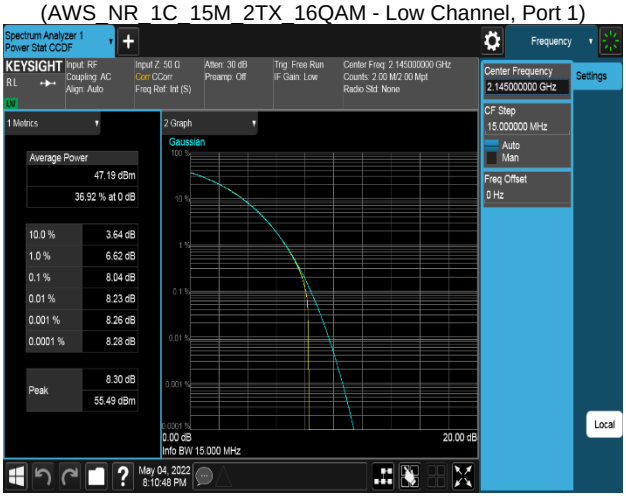
Plot 8-265. Peak To Average Power Ratio Plot
(AWS_NR_1C_10M_2TX_256QAM - Low Channel, Port 1)



Plot 8-266. Peak To Average Power Ratio Plot
(AWS_NR_1C_15M_2TX_16QAM - Low Channel, Port 1)



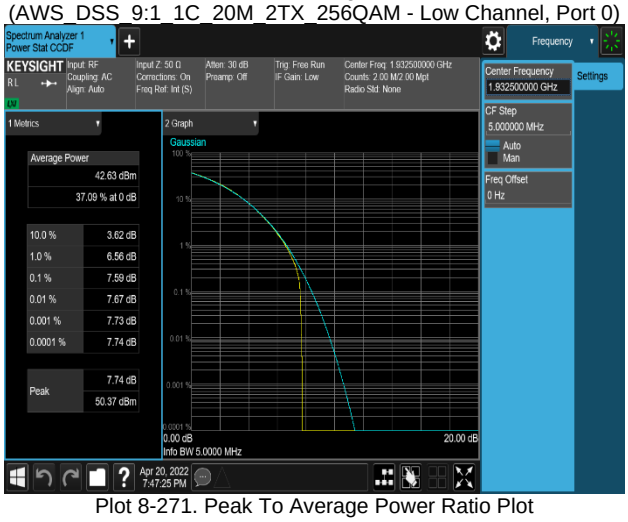
Plot 8-267. Peak To Average Power Ratio Plot
(AWS_NR_1C_20M_2TX_256QAM - Low Channel, Port 1)



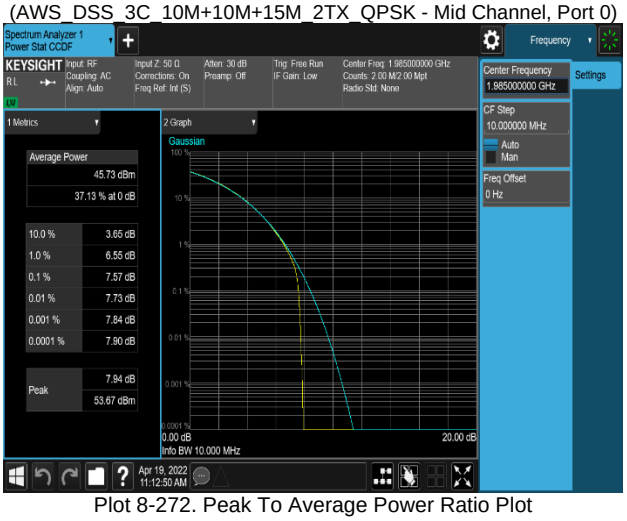
Plot 8-268. Peak To Average Power Ratio Plot
(AWS_DSS_9:1_1C_15M_2TX_16QAM - Mid Channel, Port 1)

Plot 8-269. Peak To Average Power Ratio Plot
(AWS_DSS_9:1_1C_20M_2TX_256QAM - Low Channel, Port 0)

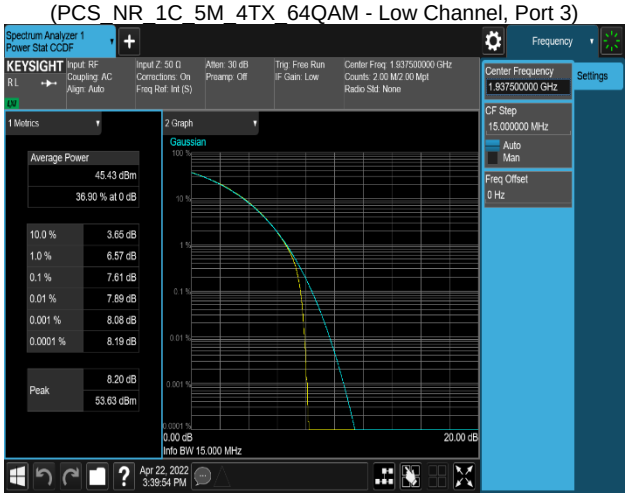
Plot 8-270. Peak To Average Power Ratio Plot
(AWS_DSS_3C_10M+10M+15M_2TX_QPSK - Mid Channel, Port 0)



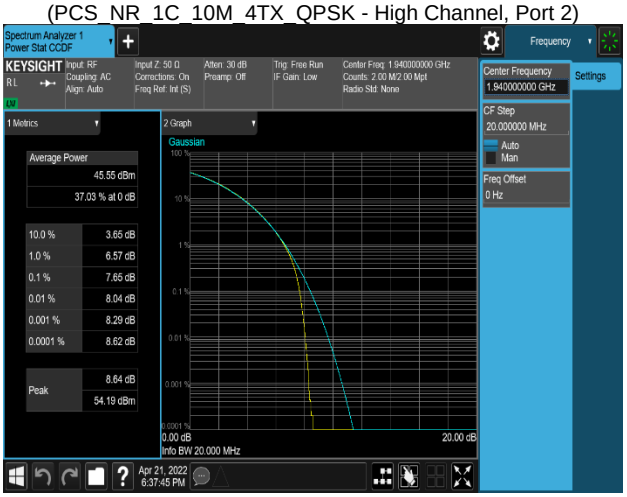
Plot 8-271. Peak To Average Power Ratio Plot
(PCS_NR_1C_5M_4TX_64QAM - Low Channel, Port 3)



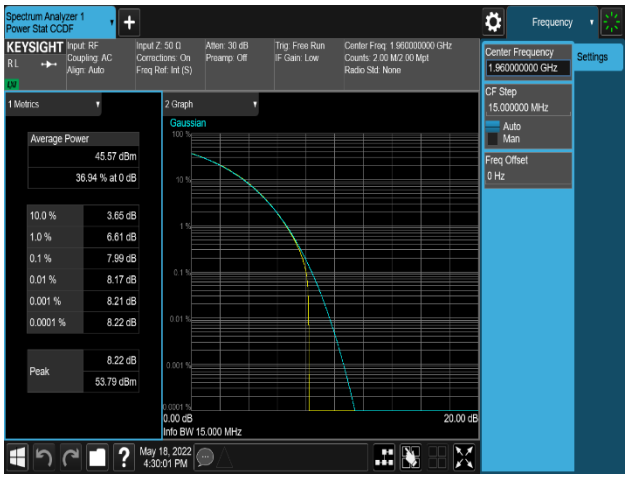
Plot 8-272. Peak To Average Power Ratio Plot
(PCS_NR_1C_10M_4TX_QPSK - High Channel, Port 2)



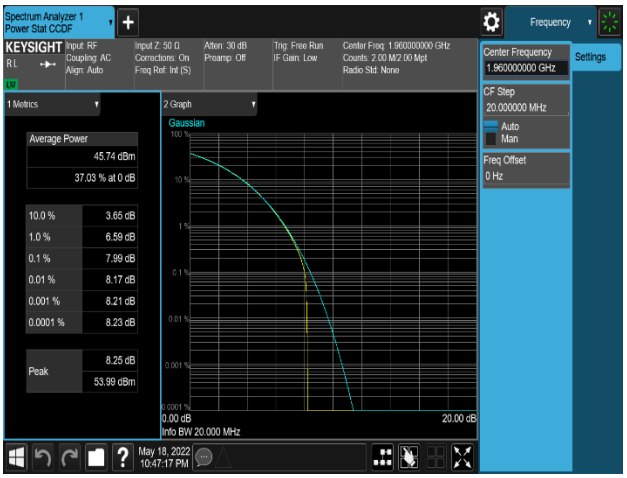
Plot 8-273. Peak To Average Power Ratio Plot
(PCS_NR_1C_15M_4TX_16QAM - Low Channel, Port 2)



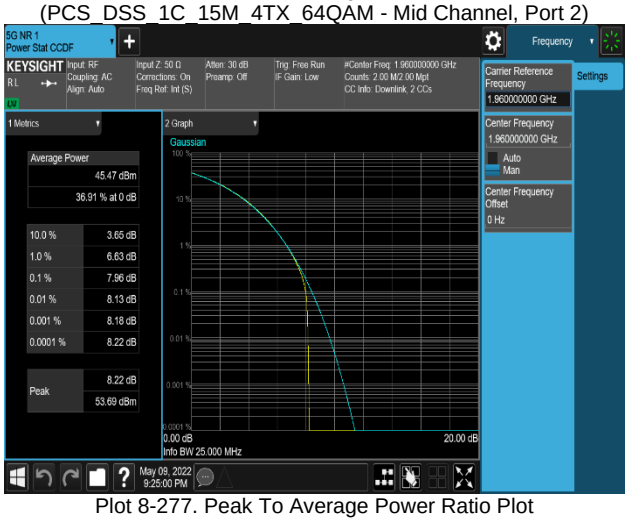
Plot 8-274. Peak To Average Power Ratio Plot
(PCS_NR_1C_20M_4TX_64QAM - Low Channel, Port 3)



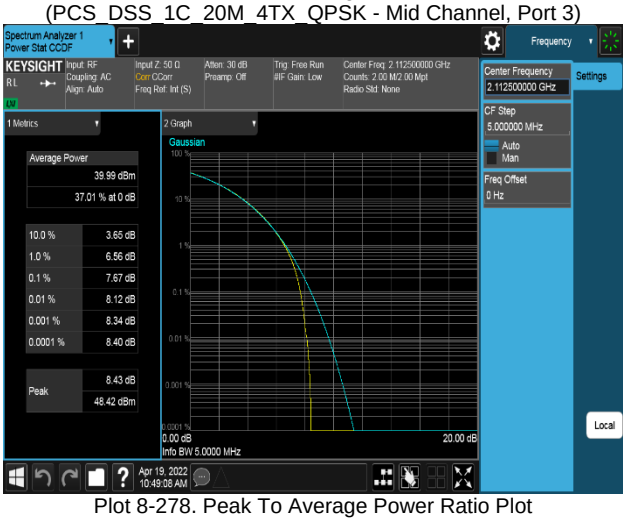
Plot 8-275. Peak To Average Power Ratio Plot
(PCS_DSS_1C_15M_4TX_64QAM - Mid Channel, Port 2)



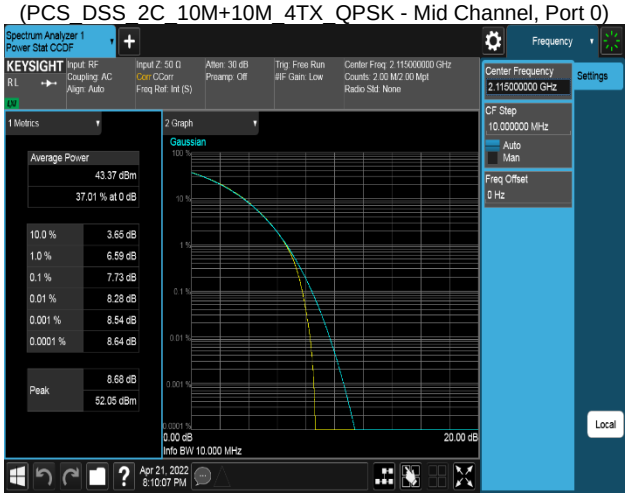
Plot 8-276. Peak To Average Power Ratio Plot
(PCS_DSS_1C_20M_4TX_QPSK - Mid Channel, Port 3)



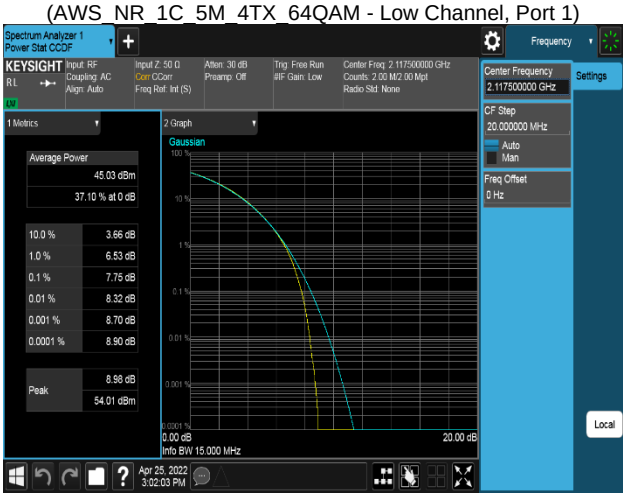
Plot 8-277. Peak To Average Power Ratio Plot
(PCS_DSS_2C_10M+10M_4TX_QPSK - Mid Channel, Port 0)



Plot 8-278. Peak To Average Power Ratio Plot
(AWS_NR_1C_5M_4TX_64QAM - Low Channel, Port 1)



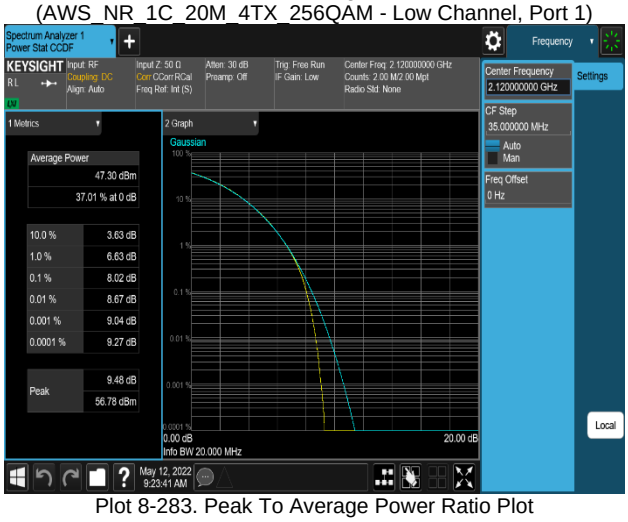
Plot 8-279. Peak To Average Power Ratio Plot
(AWS_NR_1C_10M_4TX_256QAM - Low Channel, Port 0)



Plot 8-280. Peak To Average Power Ratio Plot
(AWS_NR_1C_15M_4TX_QPSK - Low Channel, Port 1)

Plot 8-281. Peak To Average Power Ratio Plot
(AWS_NR_1C_20M_4TX_256QAM - Low Channel, Port 1)

Plot 8-282. Peak To Average Power Ratio Plot
(AWS_DSS_5:5_1C_15M_4TX_16QAM - Low Channel, Port 1)



Plot 8-283. Peak To Average Power Ratio Plot
(AWS_DSS_5:5_1C_20M_4TX_QPSK - Low Channel, Port 0)

Plot 8-284. Peak To Average Power Ratio Plot
(AWS_DSS_3C_10M+10M+15M_4TX_16QAM - Mid Channel, Port 0)

8.5 Band Edge Emissions at Antenna Terminal

Test Overview

All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

Test Procedure Used

KDB 971168 D01 v03r01 – Section 6
KDB 662911 D01 v02r01 – Section E)3) Out-of-Band and Spurious Emission Measurements
a) Absolute Emission Limits
iii) Measure and add 10 log(N_{ANT}) dB
ANSI C63.26-2015 – Section 5.7.3

Test Setting

1. Start and stop frequency were set such that the band edge would be placed in the center of the plot
2. Span was set large enough so as to capture all out of band emissions near the band edge
3. RBW: Please see test notes below.
4. VBW ≥ 3 x RBW
5. Detector = RMS
6. Number of sweep points ≥ 2 x Span/RBW
7. Trace mode = trace average
8. Sweep time = auto couple
9. The trace was allowed to stabilize

Limit

The minimum permissible attenuation level of any spurious emission is 43 + $\log_{10}(P_{[Watts]})$, where P is the transmitter power in Watts.
The power of any emission outside of the authorized operating frequency range cannot exeed -13 dBm.

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

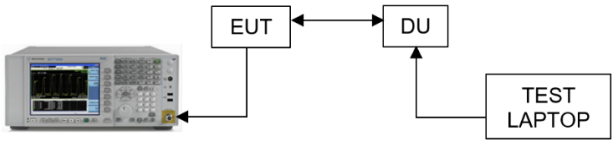


Figure 8-4. Test Instrument & Measurement Setup

Test Notes

1. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

2. All the measurement has been tested but test plots are referred from the highest of value of each of modulation of each antenna ports.

3. When the channel edge detect with a margin of under 1dB to Limit, That used to integration method was performed using the spectrum analyzer's band power functions according to ANSI C63.26-2015 – Section 5.7. The spectrum analyzer marker was placed at one-half of the RBW away from the band edge. The integration value was set to a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter.

1. The limits were adjusted by a factor of [-10*log (2)] dB to account for the device operation as a 2 port MIMO transmitter, as per FCC KDB 622911. MIMO Factor calculation as below:
   MIMO Factor = 10*log (2) = 3.01 dB
   The limits were adjusted by a factor of [-10*log (4)] dB to account for the device operation as a 4 port MIMO transmitter, as per FCC KDB 622911. MIMO Factor calculation as below:
   MIMO Factor = 10*log (4) = 6.02 dB

Frequency range	Basic Limit (dBm/MHz)	2Tx MIMO Factor (dB)	RBW Factor (dB)	Adjusted limit (dBm)
Low Frequency block – 2MHz	-13	3.01	0	-16.01
High Frequency block + 2MHz	-13	3.01	0	-16.01
Note: Adjusted limit (dBm/MHz) = Basic limit (dBm/1MHz) - MIMO Factor - RBW Factor				

Frequency range	Basic Limit (dBm/MHz)	4Tx MIMO Factor (dB)	RBW Factor (dB)	Adjusted limit (dBm)
Low Frequency block – 2MHz	-13	6.02	0	-19.02
High Frequency block + 2MHz	-13	6.02	0	-19.02
Note: Adjusted limit (dBm/MHz) = Basic limit (dBm/1MHz) - MIMO Factor - RBW Factor				

Channel	Port	Measured Range (MHz)	Max. Value (dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Low	0	1929 to 1930	-23.65	-24.11	-24.57	-24.28	-16.01
	0	1928 to 1929	**-20.24**	-21.14	-20.81	-21.27	
	1	1929 to 1930	-25.07	-24.84	-25.06	-24.83	
	1	1928 to 1929	-21.70	-22.07	-21.91	-22.38	
High	0	1990 to 1991	-24.42	-24.11	-23.13	-24.83	
	0	1991 to 1992	-22.57	-22.72	**-22.24**	-22.37	
	1	1990 to 1991	-24.68	-24.21	-23.95	-24.89	
	1	1991 to 1992	-22.68	-23.15	-22.88	-23.01	

Table 8-120. Band Edge Emission Summary Data (PCS_NR_1C_5M_2TX)

Channel	Port	Measured Range (MHz)	Max. Value (dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Low	0	1929 to 1930	-21.10	-20.88	-21.13	-20.10	-16.01
	0	1928 to 1929	**-18.60**	-18.88	-18.76	-18.97	
	1	1929 to 1930	-21.86	-21.83	-22.10	-20.72	
	1	1928 to 1929	-19.95	-20.42	-20.21	-19.55	
High	0	1990 to 1991	-21.88	-22.51	-20.75	-20.81	
	0	1991 to 1992	-19.80	-19.22	-18.34	**-17.96**	
	1	1990 to 1991	-22.03	-23.73	-21.83	-21.90	
	1	1991 to 1992	-21.36	-21.64	-21.38	-20.52	

Table 8-121. Band Edge Emission Summary Data (PCS_NR_1C_10M_2TX)

Channel	Port	Measured Range (MHz)	Max. Value (dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Low	0	1929 to 1930	-21.70	-20.80	-21.54	-21.03	-16.01
	0	1928 to 1929	-21.10	**-20.49**	-20.75	-20.75	
	1	1929 to 1930	-22.17	-21.31	-22.07	-21.96	
	1	1928 to 1929	-22.16	-21.64	-21.77	-22.14	
High	0	1990 to 1991	-21.68	-20.19	-20.99	-21.21	
	0	1991 to 1992	-20.29	**-19.70**	-20.22	-19.97	
	1	1990 to 1991	-22.46	-20.84	-22.01	-21.53	
	1	1991 to 1992	-22.99	-22.64	-22.31	-21.99	

Table 8-122. Band Edge Emission Summary Data (PCS_NR_1C_15M_2TX)

Channel	Port	Measured Range (MHz)	Max. Value (dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Low	0	1929 to 1930	-22.13	-22.13	-22.54	-22.74	-16.01
	0	1928 to 1929	-21.46	**-20.47**	-21.81	-21.90	
	1	1929 to 1930	-22.93	-22.69	-23.29	-23.29	
	1	1928 to 1929	-23.09	-22.12	-23.19	-23.15	
High	0	1990 to 1991	-21.69	-22.03	-21.36	-21.66	
	0	1991 to 1992	-20.28	-20.58	**-20.19**	-21.03	
	1	1990 to 1991	-23.17	-23.21	-23.01	-22.83	
	1	1991 to 1992	-23.46	-23.86	-23.30	-23.62	

Table 8-123. Band Edge Emission Summary Data (PCS_NR_1C_20M_2TX)

Channel	Ratio	Port	Measured Range (MHz)	Max. Value (dBm)				Limit (dBm)
				QPSK	16QAM	64QAM	256QAM	
Low	LTE: 9 NR: 1	0	1929 to 1930	-21.82	-21.36	-21.19	-21.28	-16.01
		0	1928 to 1929	-18.44	-17.88	-18.21	-17.87	
		1	1929 to 1930	-23.68	-23.42	-23.22	-23.23	
		1	1928 to 1929	-20.81	-20.87	-20.64	-20.71	
High		0	1990 to 1991	-22.48	-22.46	-22.24	-22.42	
		0	1991 to 1992	-19.11	-18.65	**-17.94**	-18.34	
		1	1990 to 1991	-23.22	-23.00	-23.74	-23.68	
		1	1991 to 1992	-21.41	-21.61	-21.72	-21.95	
Low	LTE: 5 NR: 5	0	1929 to 1930	-20.53	-20.67	-20.14	-20.42	
		0	1928 to 1929	-17.04	-17.96	**-17.01**	-17.98	
		1	1929 to 1930	-22.44	-22.32	-22.35	-22.07	
		1	1928 to 1929	-20.27	-20.77	-19.96	-20.17	
High		0	1990 to 1991	-20.91	-21.06	-22.39	-21.23	
		0	1991 to 1992	-18.24	-18.60	-18.84	-18.51	
		1	1990 to 1991	-22.87	-22.50	-22.75	-22.93	
		1	1991 to 1992	-21.61	-21.82	-21.64	-21.89	
Low	LTE: 2 NR: 8	0	1929 to 1930	-20.02	-19.82	-20.16	-20.87	
		0	1928 to 1929	-17.31	-17.72	-17.09	-17.76	
		1	1929 to 1930	-22.01	-21.65	-22.15	-22.38	
		1	1928 to 1929	-19.32	-20.76	-20.17	-21.05	
High		0	1990 to 1991	-21.14	-20.58	-21.35	-20.74	
		0	1991 to 1992	-18.02	-18.64	-18.47	-18.10	
		1	1990 to 1991	-21.89	-20.70	-21.88	-21.83	
		1	1991 to 1992	-21.57	-21.86	-21.92	-21.31	

Table 8-124. Band Edge Emission Summary Data (PCS_DSS_1C_15M_2TX)

Channel	Ratio	Port	Measured Range (MHz)	Max. Value (dBm)				Limit (dBm)
				QPSK	16QAM	64QAM	256QAM	
Low	LTE: 9 NR: 1	0	1929 to 1930	-22.96	-23.35	-22.44	-21.45	-16.01
		0	1928 to 1929	-20.73	-19.53	-18.62	-18.08	
		1	1929 to 1930	-24.53	-24.51	-24.81	-23.33	
		1	1928 to 1929	-22.61	-22.35	-22.56	-21.66	
High		0	1990 to 1991	-22.05	-22.71	-23.17	-22.28	
		0	1991 to 1992	-19.04	-19.74	-19.29	-18.74	
		1	1990 to 1991	-24.72	-24.51	-25.06	-25.09	
		1	1991 to 1992	-23.25	-22.86	-23.90	-23.39	
Low	LTE: 5 NR: 5	0	1929 to 1930	-20.88	-21.75	-21.04	-21.47	
		0	1928 to 1929	-18.30	-19.25	-18.68	-18.48	
		1	1929 to 1930	-22.53	-22.88	-22.86	-22.52	
		1	1928 to 1929	-21.37	-21.65	-21.15	-21.00	
High		0	1990 to 1991	-21.88	-22.47	-22.28	-22.50	
		0	1991 to 1992	**-18.41**	-18.44	-19.17	-19.12	
		1	1990 to 1991	-23.65	-23.60	-23.41	-24.35	
		1	1991 to 1992	-23.09	-21.03	-22.99	-23.55	
Low	LTE: 2 NR: 8	0	1929 to 1930	-21.58	-20.95	-20.88	-20.55	
		0	1928 to 1929	-18.93	-19.08	-18.40	**-17.73**	
		1	1929 to 1930	-22.48	-22.11	-22.54	-22.52	
		1	1928 to 1929	-21.74	-21.33	-22.02	-20.86	
High		0	1990 to 1991	-21.95	-22.22	-22.03	-22.29	
		0	1991 to 1992	-19.38	-19.02	-18.98	-19.59	
		1	1990 to 1991	-23.32	-23.00	-23.05	-23.75	
		1	1991 to 1992	-23.12	-22.67	-22.52	-23.38	

Table 8-125. Band Edge Emission Summary Data (PCS_DSS_1C_20M_2TX)

Channel	Configuration	Measured Range (MHz)	Max. Value (dBm) QPSK	Limit (dBm)
Low	NR_2C_5M + 5M	1929 to 1930	-21.13	-16.01
		1928 to 1929	**-17.17**	
	NR_1C_5M + LTE_1C_5M	1929 to 1930	-22.00	
		1928 to 1929	-17.94	
	DSS_1C_10M + NR_1C_5M	1929 to 1930	-20.52	
		1928 to 1929	-17.31	
	DSS_2C_10M + 10M	1929 to 1930	-21.99	
		1928 to 1929	-19.30	
	NR_2C_10M + 15M	1929 to 1930	-24.65	
		1928 to 1929	-22.60	
	DSS_2C_10M + 15M	1929 to 1930	-23.27	
		1928 to 1929	-20.26	
	DSS_1C_20M + LTE_1C_5M	1929 to 1930	-23.07	
		1928 to 1929	-19.98	
	DSS_1C_20M + NR_1C_5M	1929 to 1930	-22.56	
		1928 to 1929	-20.38	
	NR_1C_20M + LTE_1C_5M	1929 to 1930	-22.88	
		1928 to 1929	-20.21	
High	NR_2C_5M + 5M	1990 to 1991	-22.68	
		1991 to 1992	-20.24	
	NR_1C_5M + LTE_1C_5M	1990 to 1991	-22.94	
		1991 to 1992	-20.52	
	DSS_1C_10M + NR_1C_5M	1990 to 1991	-22.37	
		1991 to 1992	-19.30	
	DSS_2C_10M + 10M	1990 to 1991	-23.00	
		1991 to 1992	**-18.79**	
	NR_2C_10M + 15M	1990 to 1991	-22.42	
		1991 to 1992	-19.89	
	DSS_2C_10M + 15M	1990 to 1991	-23.06	
		1991 to 1992	-20.09	
	DSS_1C_20M + LTE_1C_5M	1990 to 1991	-23.31	
		1991 to 1992	-20.39	
	DSS_1C_20M + NR_1C_5M	1990 to 1991	-22.67	
		1991 to 1992	-20.13	
	NR_1C_20M + LTE_1C_5M	1990 to 1991	-23.04	
		1991 to 1992	-20.02	

Table 8-126. Band Edge Emission Summary Data (PCS_Contiguous_Multi Carrier_2TX)

Channel	Configuration	Measured Range (MHz)	Max. Value (dBm) QPSK	Limit (dBm)
Low	NR_2C_5M + 5M	1929 to 1930	-21.12	-16.01
		1928 to 1929	-19.17	
	NR_1C_5M + LTE_1C_5M	1929 to 1930	-23.64	
		1928 to 1929	-21.16	
	DSS_1C_10M + NR_1C_5M	1929 to 1930	-22.29	
		1928 to 1929	-20.03	
	DSS_2C_10M + 10M	1929 to 1930	-22.44	
		1928 to 1929	-20.07	
	NR_2C_10M + 15M	1929 to 1930	-21.82	
		1928 to 1929	-19.68	
	DSS_2C_10M + 15M	1929 to 1930	-22.83	
		1928 to 1929	-19.96	
	DSS_1C_20M + LTE_1C_5M	1929 to 1930	-22.56	
		1928 to 1929	-19.90	
	DSS_1C_20M + NR_1C_5M	1929 to 1930	-23.10	
		1928 to 1929	-21.46	
	NR_1C_20M + LTE_1C_5M	1929 to 1930	-21.64	
		1928 to 1929	**-18.78**	
High	NR_2C_5M + 5M	1990 to 1991	-21.41	
		1991 to 1992	**-19.04**	
	NR_1C_5M + LTE_1C_5M	1990 to 1991	-22.73	
		1991 to 1992	-21.76	
	DSS_1C_10M + NR_1C_5M	1990 to 1991	-22.60	
		1991 to 1992	-20.76	
	DSS_2C_10M + 10M	1990 to 1991	-22.98	
		1991 to 1992	-20.74	
	NR_2C_10M + 15M	1990 to 1991	-21.50	
		1991 to 1992	-20.48	
	DSS_2C_10M + 15M	1990 to 1991	-22.27	
		1991 to 1992	-21.27	
	DSS_1C_20M + LTE_1C_5M	1990 to 1991	-22.39	
		1991 to 1992	-20.95	
	DSS_1C_20M + NR_1C_5M	1990 to 1991	-22.96	
		1991 to 1992	-21.95	
	NR_1C_20M + LTE_1C_5M	1990 to 1991	-21.93	
		1991 to 1992	-20.83	

Table 8-127. Band Edge Emission Summary Data (PCS_ Non-Contiguous_Multi Carrier_2TX)

Channel	Port	Measured Range (MHz)	Max. Value (dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Low	0	2109 to 2110	**-27.50**	-28.03	-28.17	-28.56	-16.01
	0	2108 to 2109	-30.20	-30.08	-30.09	-30.05	
	1	2109 to 2110	-32.19	-32.23	-31.85	-32.63	
	1	2108 to 2109	-31.01	-30.79	-30.87	-30.93	
High	0	2180 to 2181	-24.33	-24.53	-25.14	-24.44	
	0	2181 to 2182	-19.12	-19.50	-19.65	**-18.05**	
	1	2180 to 2181	-25.60	-25.73	-25.88	-25.71	
	1	2181 to 2182	-20.47	-20.74	-21.49	-20.16	

Table 8-128. Band Edge Emission Summary Data (AWS_NR_1C_5M_2TX)

Channel	Port	Measured Range (MHz)	Max. Value (dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Low	0	2109 to 2110	-24.05	**-23.97**	-24.27	-24.67	-16.01
	0	2108 to 2109	-29.56	-29.67	-29.70	-29.76	
	1	2109 to 2110	-27.90	-27.38	-27.88	-27.95	
	1	2108 to 2109	-30.00	-30.02	-30.26	-30.26	
High	0	2180 to 2181	-21.05	-22.71	-21.15	-21.16	
	0	2181 to 2182	**-19.88**	-20.91	-20.51	-20.12	
	1	2180 to 2181	-21.57	-23.14	-21.38	-21.31	
	1	2181 to 2182	-21.62	-21.91	-21.39	-20.90	

Table 8-129. Band Edge Emission Summary Data (AWS_NR_1C_10M_2TX)

Channel	Port	Measured Range (MHz)	Max. Value (dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Low	0	2109 to 2110	-23.47	**-23.20**	-23.34	-23.77	-16.01
	0	2108 to 2109	-29.56	-29.51	-29.46	-29.57	
	1	2109 to 2110	-26.86	-27.12	-26.91	-27.59	
	1	2108 to 2109	-30.26	-30.22	-30.25	-30.00	
High	0	2180 to 2181	-20.14	-19.27	-19.66	-20.50	
	0	2181 to 2182	-19.46	-19.34	**-19.26**	-19.26	
	1	2180 to 2181	-20.77	-19.55	-20.32	-20.99	
	1	2181 to 2182	-21.99	-21.94	-21.85	-22.36	

Table 8-130. Band Edge Emission Summary Data (AWS_NR_1C_15M_2TX)

Channel	Port	Measured Range (MHz)	Max. Value (dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Low	0	2109 to 2110	-24.57	**-23.88**	-24.33	-24.50	-16.01
	0	2108 to 2109	-29.82	-29.54	-29.61	-29.76	
	1	2109 to 2110	-27.88	-27.24	-28.11	-28.27	
	1	2108 to 2109	-30.73	-30.67	-30.60	-30.58	
High	0	2180 to 2181	-34.63	-20.19	-20.43	-20.56	
	0	2181 to 2182	-30.35	-19.18	**-18.61**	-19.55	
	1	2180 to 2181	-36.80	-20.83	-21.38	-21.38	
	1	2181 to 2182	-31.32	-22.28	-22.20	-22.56	

Table 8-131. Band Edge Emission Summary Data (AWS_NR_1C_20M_2TX)

hannel	Ratio	Port	Measured Range (MHz)	Max. Value (dBm)				Limit (dBm)
				QPSK	16QAM	64QAM	256QAM	
Low	LTE: 9 NR: 1	0	2109 to 2110	-26.03	-25.11	-24.67	-25.68	-16.01
		0	2108 to 2109	-29.78	-29.72	-29.64	-29.73	
		1	2109 to 2110	-29.41	-28.67	-28.73	-28.50	
		1	2108 to 2109	-30.52	-30.54	-30.43	-30.22	
High		0	2180 to 2181	-21.47	-22.32	-21.25	-21.91	
		0	2181 to 2182	-18.57	-18.99	-18.89	-18.84	
		1	2180 to 2181	-22.57	-22.57	-22.14	-22.52	
		1	2181 to 2182	-21.43	-21.59	-20.06	-20.69	
Low	LTE: 5 NR: 5	0	2109 to 2110	-24.19	-24.10	-24.78	-24.00	
		0	2108 to 2109	-29.62	-29.54	-29.56	-29.59	
		1	2109 to 2110	-28.21	-28.72	-28.78	-27.80	
		1	2108 to 2109	-30.18	-30.23	-30.26	-30.19	
High		0	2180 to 2181	-20.73	-19.76	-20.56	-20.57	
		0	2181 to 2182	-18.87	-18.22	-18.76	-18.20	
		1	2180 to 2181	-20.71	-20.91	-21.97	-20.91	
		1	2181 to 2182	-21.07	-20.70	-20.77	-20.47	
Low	LTE: 2 NR: 8	0	2109 to 2110	-23.67	-23.94	**-23.28**	-23.50	
		0	2108 to 2109	-29.53	-29.60	-29.65	-29.60	
		1	2109 to 2110	-27.90	-28.16	-27.96	-27.01	
		1	2108 to 2109	-30.22	-30.14	-30.12	-30.20	
High		0	2180 to 2181	-19.91	-18.95	-19.79	-20.00	
		0	2181 to 2182	-18.95	-18.67	**-17.82**	-18.37	
		1	2180 to 2181	-20.42	-19.85	-20.68	-20.67	
		1	2181 to 2182	-20.88	-20.72	-20.24	-21.13	

Table 8-132. Band Edge Emission Summary Data (AWS_DSS_1C_15M_2TX)

Channel	Ratio	Port	Measured Range (MHz)	Max. Value (dBm)				Limit (dBm)
				QPSK	16QAM	64QAM	256QAM	
Low	LTE: 9 NR: 1	0	2109 to 2110	-27.25	-27.14	-26.80	-26.58	-16.01
		0	2108 to 2109	-39.00	-38.99	-38.66	-38.77	
		1	2109 to 2110	-30.80	-31.56	-30.22	-30.78	
		1	2108 to 2109	-35.66	-36.48	-35.48	-36.12	
High		0	2180 to 2181	-22.22	-24.04	-21.94	-22.13	
		0	2181 to 2182	-19.81	-19.73	-20.07	-19.86	
		1	2180 to 2181	-23.80	-23.35	-24.29	-23.34	
		1	2181 to 2182	-22.88	-23.27	-22.43	-23.00	
Low	LTE: 5 NR: 5	0	2109 to 2110	-26.04	-26.30	-26.18	-26.69	
		0	2108 to 2109	-38.51	-38.18	-38.18	-38.47	
		1	2109 to 2110	-30.09	-30.29	-30.36	-30.14	
		1	2108 to 2109	-36.20	-36.34	-38.02	-38.22	
High		0	2180 to 2181	-21.12	-22.33	-20.98	-22.23	
		0	2181 to 2182	-19.83	-19.84	-20.11	-19.88	
		1	2180 to 2181	-21.83	-23.04	-21.56	-22.18	
		1	2181 to 2182	-22.68	-23.22	-22.65	-22.36	
Low	LTE: 2 NR: 8	0	2109 to 2110	-25.30	**-24.56**	-25.47	-25.83	
		0	2108 to 2109	-38.28	-37.61	-38.17	-38.09	
		1	2109 to 2110	-28.79	-28.61	-29.28	-29.13	
		1	2108 to 2109	-38.28	-37.53	-37.58	-38.27	
High		0	2180 to 2181	-21.32	-20.56	-21.34	-19.94	
		0	2181 to 2182	-19.54	-20.13	**-19.17**	-19.30	
		1	2180 to 2181	-21.28	-20.82	-22.51	-20.00	
		1	2181 to 2182	-22.81	-22.83	-22.64	-22.50	

Table 8-133. Band Edge Emission Summary Data (AWS_DSS_1C_20M_2TX)

Channel	Configuration	Measured Range (MHz)	Max. Value (dBm) QPSK	Limit (dBm)
Low	NR_2C_5M + 5M	2109 to 2110	-26.13	-16.01
		2108 to 2109	-29.90	
	NR_1C_5M + LTE_1C_5M	2109 to 2110	-25.48	
		2108 to 2109	-29.88	
	DSS_1C_10M + NR_1C_5M	2109 to 2110	**-25.32**	
		2108 to 2109	-28.97	
	DSS_2C_10M + 10M	2109 to 2110	-25.63	
		2108 to 2109	-29.73	
	DSS_1C_10M + NR_1C_5M + LTE_1C_5M	2109 to 2110	-25.66	
		2108 to 2109	-35.16	
	NR_3C_10M + 10M +15M	2109 to 2110	-27.57	
		2108 to 2109	-37.52	
	DSS_3C_10M + 10M +15M	2109 to 2110	-28.14	
		2108 to 2109	-40.78	
	DSS_1C_20M + NR_1C_10M + LTE_1C_5M	2109 to 2110	-29.32	
		2108 to 2109	-38.03	
	DSS_2C_10M + 10M + LTE_1C_15M	2109 to 2110	-28.23	
		2108 to 2109	-39.04	
	DSS_1C_20M + NR_2C_10M + 5M	2109 to 2110	-27.10	
		2108 to 2109	-36.50	
	NR_2C_5M + 10M + LTE_1C_20M	2109 to 2110	-28.70	
		2108 to 2109	-37.48	
High	NR_2C_5M + 5M	2180 to 2181	-21.65	
		2181 to 2182	-20.62	
	NR_1C_5M + LTE_1C_5M	2180 to 2181	-22.87	
		2181 to 2182	**-17.26**	
	DSS_1C_10M + NR_1C_5M	2180 to 2181	-22.44	
		2181 to 2182	-18.34	
	DSS_2C_10M + 10M	2180 to 2181	-21.27	
		2181 to 2182	-17.94	
	DSS_1C_10M + NR_1C_5M + LTE_1C_5M	2180 to 2181	-21.54	
		2181 to 2182	-17.53	
	NR_3C_10M + 10M +15M	2180 to 2181	-22.69	
		2181 to 2182	-20.54	
	DSS_3C_10M + 10M +15M	2180 to 2181	-22.05	
		2181 to 2182	-19.08	
	DSS_1C_20M + NR_1C_10M + LTE_1C_5M	2180 to 2181	-22.96	
		2181 to 2182	-20.81	
	DSS_2C_10M + 10M + LTE_1C_15M	2180 to 2181	-21.85	
		2181 to 2182	-19.45	
	DSS_1C_20M + NR_2C_10M + 5M	2180 to 2181	-20.21	
		2181 to 2182	-18.06	
	NR_2C_5M + 10M + LTE_1C_20M	2180 to 2181	-20.62	
		2181 to 2182	-17.39	

Table 8-134. Band Edge Emission Summary Data (AWS_Contiguous_Multi Carrier_2TX)

Channel	Configuration	Measured Range (MHz)	Max. Value (dBm) QPSK	Limit (dBm)
Low	NR_2C_5M + 5M	2109 to 2110	-27.66	-16.01
		2108 to 2109	-39.63	
	NR_1C_5M + LTE_1C_5M	2109 to 2110	**-18.65**	
		2108 to 2109	-27.13	
	DSS_1C_10M + NR_1C_5M	2109 to 2110	-25.46	
		2108 to 2109	-28.21	
	DSS_2C_10M + 10M	2109 to 2110	-26.17	
		2108 to 2109	-38.42	
	DSS_1C_10M + NR_1C_5M + LTE_1C_5M	2109 to 2110	-22.59	
		2108 to 2109	-33.61	
	NR_3C_10M + 10M +15M	2109 to 2110	-27.40	
		2108 to 2109	-39.07	
	DSS_3C_10M + 10M +15M	2109 to 2110	-24.63	
		2108 to 2109	-37.90	
	DSS_1C_20M + NR_1C_10M + LTE_1C_5M	2109 to 2110	-26.72	
		2108 to 2109	-29.82	
	DSS_2C_10M + 10M + LTE_1C_15M	2109 to 2110	-25.61	
		2108 to 2109	-36.96	
	DSS_1C_20M + NR_2C_10M + 5M	2109 to 2110	-25.24	
		2108 to 2109	-29.61	
	NR_2C_5M + 10M + LTE_1C_20M	2109 to 2110	-26.54	
		2108 to 2109	-37.75	
High	NR_2C_5M + 5M	2180 to 2181	-23.32	
		2181 to 2182	-17.52	
	NR_1C_5M + LTE_1C_5M	2180 to 2181	-17.69	
		2181 to 2182	-17.02	
	DSS_1C_10M + NR_1C_5M	2180 to 2181	-19.90	
		2181 to 2182	**-16.57**	
	DSS_2C_10M + 10M	2180 to 2181	-20.83	
		2181 to 2182	-17.46	
	DSS_1C_10M + NR_1C_5M + LTE_1C_5M	2180 to 2181	-17.94	
		2181 to 2182	-16.65	
	NR_3C_10M + 10M +15M	2180 to 2181	-21.20	
		2181 to 2182	-18.82	
	DSS_3C_10M + 10M +15M	2180 to 2181	-19.83	
		2181 to 2182	-18.37	
	DSS_1C_20M + NR_1C_10M + LTE_1C_5M	2180 to 2181	-21.08	
		2181 to 2182	-18.16	
	DSS_2C_10M + 10M + LTE_1C_15M	2180 to 2181	-21.47	
		2181 to 2182	-18.29	
	DSS_1C_20M + NR_2C_10M + 5M	2180 to 2181	-17.26	
		2181 to 2182	-18.63	
	NR_2C_5M + 10M + LTE_1C_20M	2180 to 2181	-19.85	
		2181 to 2182	-17.80	

Table 8-135. Band Edge Emission Summary Data (AWS_Non-Contiguous_Multi Carrier_2TX)

Channel	Port	Measured Range (MHz)	Max. Value (dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Low	0	1929 to 1930	-27.39	-27.39	-27.83	-27.47	-19.02
	0	1928 to 1929	-25.09	-24.72	-24.56	-24.89	
	1	1929 to 1930	-28.14	-28.05	-28.11	-28.16	
	1	1928 to 1929	-25.06	-24.98	**-24.30**	-24.59	
	2	1929 to 1930	-27.39	-27.48	-28.15	-27.84	
	2	1928 to 1929	-25.44	-25.54	-24.72	-25.17	
	3	1929 to 1930	-27.56	-27.50	-27.74	-27.38	
	3	1928 to 1929	-25.55	-25.11	-24.73	-24.80	
High	0	1990 to 1991	-27.82	-27.91	-27.27	-28.62	
	0	1991 to 1992	-25.33	-25.66	-25.18	-25.60	
	1	1990 to 1991	-28.04	-27.47	-27.12	-28.76	
	1	1991 to 1992	-25.28	-24.82	-24.70	-24.39	
	2	1990 to 1991	-27.22	-27.15	-27.16	-27.91	
	2	1991 to 1992	-24.38	-24.58	-24.61	-24.42	
	3	1990 to 1991	-27.59	-27.09	-27.33	-27.93	
	3	1991 to 1992	**-24.37**	-24.79	-24.79	-24.37	

Table 8-136. Band Edge Emission Summary Data (PCS_NR_1C_5M_4TX)

Channel	Port	Measured Range (MHz)	Max. Value (dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Low	0	1929 to 1930	-23.80	-23.54	-23.90	-23.07	-19.02
	0	1928 to 1929	-22.64	-22.58	-22.55	-22.22	
	1	1929 to 1930	-23.94	-23.96	-23.63	-23.34	
	1	1928 to 1929	-22.18	-23.08	-23.15	-22.81	
	2	1929 to 1930	-23.38	-23.50	-23.43	-23.30	
	2	1928 to 1929	-22.38	-22.00	-21.84	-22.30	
	3	1929 to 1930	-22.88	-23.39	-23.11	-22.32	
	3	1928 to 1929	-21.78	**-21.71**	-21.97	-21.93	
High	0	1990 to 1991	-23.44	-24.87	-22.86	-23.06	
	0	1991 to 1992	-22.25	-21.81	-21.33	**-21.25**	
	1	1990 to 1991	-23.96	-25.01	-23.72	-23.66	
	1	1991 to 1992	-23.27	-23.31	-22.24	-22.09	
	2	1990 to 1991	-23.81	-25.02	-23.59	-23.06	
	2	1991 to 1992	-23.57	-23.03	-22.64	-22.37	
	3	1990 to 1991	-23.89	-24.74	-23.72	-22.96	
	3	1991 to 1992	-23.09	-22.92	-22.27	-22.25	

Table 8-137. Band Edge Emission Summary Data (PCS_NR_1C_10M_4TX)

Channel	Port	Measured Range (MHz)	Max. Value (dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Low	0	1929 to 1930	-23.86	-23.47	-23.81	-23.64	-19.02
	0	1928 to 1929	-24.10	-23.60	-24.11	-24.11	
	1	1929 to 1930	-24.17	-23.29	-24.37	-23.95	
	1	1928 to 1929	-24.21	-24.26	-24.17	-24.23	
	2	1929 to 1930	-24.21	-23.05	-24.35	-23.37	
	2	1928 to 1929	-24.06	-23.34	-23.71	-24.26	
	3	1929 to 1930	-23.86	**-22.94**	-23.30	-22.99	
	3	1928 to 1929	-24.17	-23.22	-23.77	-23.87	
High	0	1990 to 1991	-23.80	-22.12	-23.32	-23.52	
	0	1991 to 1992	-22.54	**-21.95**	-22.62	-22.44	
	1	1990 to 1991	-24.49	-22.57	-23.68	-23.20	
	1	1991 to 1992	-24.38	-23.48	-23.78	-24.16	
	2	1990 to 1991	-24.21	-22.50	-23.63	-23.20	
	2	1991 to 1992	-24.66	-24.36	-24.33	-24.97	
	3	1990 to 1991	-24.04	-22.61	-23.37	-23.12	
	3	1991 to 1992	-24.37	-24.03	-23.87	-24.35	

Table 8-138. Band Edge Emission Summary Data (PCS_NR_1C_15M_4TX)

Channel	Port	Measured Range (MHz)	Max. Value (dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Low	0	1929 to 1930	-24.88	-24.21	-24.58	-24.42	-19.02
	0	1928 to 1929	-25.49	-24.44	-24.89	-24.97	
	1	1929 to 1930	-24.89	-24.79	-25.51	-25.40	
	1	1928 to 1929	-25.51	-25.26	-25.35	-25.03	
	2	1929 to 1930	-24.73	-24.35	-25.00	-25.09	
	2	1928 to 1929	-24.79	**-23.95**	-24.82	-24.50	
	3	1929 to 1930	-24.46	-24.02	-24.34	-24.74	
	3	1928 to 1929	-24.81	-24.13	-24.73	-24.44	
High	0	1990 to 1991	-24.13	-24.15	-23.85	-24.49	
	0	1991 to 1992	-23.32	**-22.01**	-23.23	-23.50	
	1	1990 to 1991	-24.79	-24.56	-24.78	-24.61	
	1	1991 to 1992	-23.97	-24.42	-25.31	-24.71	
	2	1990 to 1991	-24.41	-24.64	-24.46	-24.77	
	2	1991 to 1992	-25.28	-25.50	-25.55	-25.72	
	3	1990 to 1991	-24.79	-24.49	-24.26	-24.97	
	3	1991 to 1992	-24.76	-24.84	-24.91	-25.34	

Table 8-139. Band Edge Emission Summary Data (PCS_NR_1C_20M_4TX)

Channel	Ratio	Port	Measured Range (MHz)	Max. Value (dBm)				Limit (dBm)
				QPSK	16QAM	64QAM	256QAM	
Low	LTE: 5 NR: 5	0	1929 to 1930	-24.50	-24.36	-24.53	-24.06	-19.02
		0	1928 to 1929	-23.74	-23.61	-23.63	-23.09	
		1	1929 to 1930	-24.54	-24.06	-24.74	-24.74	
		1	1928 to 1929	-22.74	-23.58	-24.03	-23.70	
		2	1929 to 1930	-24.42	-24.03	-24.58	-24.14	
		2	1928 to 1929	-23.12	-22.99	-23.28	-22.72	
		3	1929 to 1930	-24.15	-23.57	-24.39	-23.93	
		3	1928 to 1929	-22.71	**-22.41**	-23.27	-22.96	
High		0	1990 to 1991	-23.61	-23.18	-23.76	-24.03	
		0	1991 to 1992	**-21.73**	-22.01	-22.21	-21.94	
		1	1990 to 1991	-24.75	-23.55	-24.38	-23.87	
		1	1991 to 1992	-23.58	-23.61	-23.11	-22.16	
		2	1990 to 1991	-24.69	-24.02	-24.52	-24.84	
		2	1991 to 1992	-23.64	-24.22	-24.78	-24.01	
		3	1990 to 1991	-24.50	-23.84	-24.09	-24.57	
		3	1991 to 1992	-23.34	-23.84	-24.29	-23.88	

Table 8-140. Band Edge Emission Summary Data (PCS_DSS_1C_15M_4TX)

Channel	Ratio	Port	Measured Range (MHz)	Max. Value (dBm)				Limit (dBm)
				QPSK	16QAM	64QAM	256QAM	
Low	LTE: 5 NR: 5	0	1929 to 1930	-24.54	-25.28	-24.52	-25.20	-19.02
		0	1928 to 1929	-23.30	-24.63	-23.64	-24.08	
		1	1929 to 1930	-24.37	-25.90	-24.62	-24.68	
		1	1928 to 1929	**-22.40**	-24.62	-24.58	-24.57	
		2	1929 to 1930	-24.70	-25.22	-25.39	-24.33	
		2	1928 to 1929	-23.72	-24.30	-23.45	-23.84	
		3	1929 to 1930	-24.99	-24.57	-24.91	-25.32	
		3	1928 to 1929	-23.38	-23.95	-23.54	-23.81	
High		0	1990 to 1991	-24.54	-24.64	-24.90	-25.43	
		0	1991 to 1992	-22.31	-22.71	**-22.29**	-22.87	
		1	1990 to 1991	-24.86	-24.70	-25.52	-25.77	
		1	1991 to 1992	-22.88	-24.83	-24.31	-24.96	
		2	1990 to 1991	-24.82	-25.41	-25.93	-25.65	
		2	1991 to 1992	-25.03	-25.06	-24.59	-24.77	
		3	1990 to 1991	-25.52	-25.12	-25.30	-25.63	
		3	1991 to 1992	-24.27	-24.27	-24.12	-24.48	

Table 8-141. Band Edge Emission Summary Data (PCS_DSS_1C_20M_4TX)

Channel	Configuration	Measured Range (MHz)	Max. Value (dBm) QPSK	Limit (dBm)
Low	NR_2C_5M + 5M	1929 to 1930	-25.69	-19.02
		1928 to 1929	-22.40	
	NR_1C_5M + LTE_1C_5M	1929 to 1930	-24.79	
		1928 to 1929	**-21.40**	
	DSS_1C_10M + NR_1C_5M	1929 to 1930	-25.47	
		1928 to 1929	-23.04	
	DSS_2C_10M + 10M	1929 to 1930	-25.91	
		1928 to 1929	-24.39	
	NR_2C_10M + 15M	1929 to 1930	-26.03	
		1928 to 1929	-24.40	
	DSS_2C_10M + 15M	1929 to 1930	-26.16	
		1928 to 1929	-24.30	
	DSS_1C_20M + LTE_1C_5M	1929 to 1930	-27.12	
		1928 to 1929	-24.72	
	DSS_1C_20M + NR_1C_5M	1929 to 1930	-26.62	
		1928 to 1929	-25.15	
	NR_1C_20M + LTE_1C_5M	1929 to 1930	-26.66	
		1928 to 1929	-24.33	
High	NR_2C_5M + 5M	1990 to 1991	-25.35	
		1991 to 1992	-23.82	
	NR_1C_5M + LTE_1C_5M	1990 to 1991	-24.47	
		1991 to 1992	**-21.73**	
	DSS_1C_10M + NR_1C_5M	1990 to 1991	-25.36	
		1991 to 1992	-23.27	
	DSS_2C_10M + 10M	1990 to 1991	-26.29	
		1991 to 1992	-23.34	
	NR_2C_10M + 15M	1990 to 1991	-25.62	
		1991 to 1992	-23.40	
	DSS_2C_10M + 15M	1990 to 1991	-25.08	
		1991 to 1992	-22.61	
	DSS_1C_20M + LTE_1C_5M	1990 to 1991	-26.22	
		1991 to 1992	-23.64	
	DSS_1C_20M + NR_1C_5M	1990 to 1991	-25.73	
		1991 to 1992	-23.97	
	NR_1C_20M + LTE_1C_5M	1990 to 1991	-25.52	
		1991 to 1992	-23.56	

Table 8-142. Band Edge Emission Summary Data (PCS_Contiguous_Multi Carrier_4TX)

Channel	Configuration	Measured Range (MHz)	Max. Value (dBm) QPSK	Limit (dBm)
Low	NR_2C_5M + 5M	1929 to 1930	-25.07	-19.02
		1928 to 1929	**-22.43**	
	NR_1C_5M + LTE_1C_5M	1929 to 1930	-25.20	
		1928 to 1929	-23.63	
	DSS_1C_10M + NR_1C_5M	1929 to 1930	-25.46	
		1928 to 1929	-23.68	
	DSS_2C_10M + 10M	1929 to 1930	-25.48	
		1928 to 1929	-23.29	
	NR_2C_10M + 15M	1929 to 1930	-25.26	
		1928 to 1929	-23.65	
	DSS_2C_10M + 15M	1929 to 1930	-25.21	
		1928 to 1929	-22.50	
	DSS_1C_20M + LTE_1C_5M	1929 to 1930	-25.76	
		1928 to 1929	-23.21	
	DSS_1C_20M + NR_1C_5M	1929 to 1930	-25.93	
		1928 to 1929	-24.92	
	NR_1C_20M + LTE_1C_5M	1929 to 1930	-25.80	
		1928 to 1929	-23.04	
High	NR_2C_5M + 5M	1990 to 1991	-25.04	
		1991 to 1992	-24.68	
	NR_1C_5M + LTE_1C_5M	1990 to 1991	-24.68	
		1991 to 1992	-23.83	
	DSS_1C_10M + NR_1C_5M	1990 to 1991	-25.82	
		1991 to 1992	-24.36	
	DSS_2C_10M + 10M	1990 to 1991	-24.84	
		1991 to 1992	-23.66	
	NR_2C_10M + 15M	1990 to 1991	-24.38	
		1991 to 1992	-23.90	
	DSS_2C_10M + 15M	1990 to 1991	-24.38	
		1991 to 1992	**-23.65**	
	DSS_1C_20M + LTE_1C_5M	1990 to 1991	-24.82	
		1991 to 1992	-23.97	
	DSS_1C_20M + NR_1C_5M	1990 to 1991	-25.91	
		1991 to 1992	-24.89	
	NR_1C_20M + LTE_1C_5M	1990 to 1991	-24.49	
		1991 to 1992	-23.68	

Table 8-143. Band Edge Emission Summary Data (PCS_ Non-Contiguous_Multi Carrier_4TX)

Channel	Port	Measured Range (MHz)	Max. Value (dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Low	0	2109 to 2110	-31.72	**-30.00**	-30.86	-31.50	-19.02
	0	2108 to 2109	-31.10	-31.08	-31.00	-31.01	
	1	2109 to 2110	-35.09	-34.46	-34.74	-35.01	
	1	2108 to 2109	-31.73	-31.67	-31.71	-31.75	
	2	2109 to 2110	-32.32	-31.87	-31.61	-32.02	
	2	2108 to 2109	-31.76	-31.66	-31.70	-31.76	
	3	2109 to 2110	-32.33	-32.14	-32.30	-32.55	
	3	2108 to 2109	-33.45	-33.29	-33.26	-33.50	
High	0	2180 to 2181	-26.86	-26.85	-26.90	-27.67	
	0	2181 to 2182	-21.70	-21.86	-21.91	**-21.39**	
	1	2180 to 2181	-28.05	-27.90	-27.70	-27.73	
	1	2181 to 2182	-21.98	-22.42	-21.67	-22.29	
	2	2180 to 2181	-28.27	-27.96	-28.05	-28.09	
	2	2181 to 2182	-24.12	-24.87	-23.68	-24.33	
	3	2180 to 2181	-27.76	-27.87	-27.66	-27.86	
	3	2181 to 2182	-23.47	-24.53	-23.30	-24.17	

Table 8-144. Band Edge Emission Summary Data (AWS_NR_1C_5M_4TX)

Channel	Port	Measured Range (MHz)	Max. Value (dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Low	0	2109 to 2110	-26.95	**-26.73**	-27.02	-27.34	-19.02
	0	2108 to 2109	-30.15	-30.20	-30.17	-30.41	
	1	2109 to 2110	-30.43	-30.01	-30.53	-30.56	
	1	2108 to 2109	-30.85	-31.08	-30.74	-30.79	
	2	2109 to 2110	-29.15	-28.63	-29.16	-29.39	
	2	2108 to 2109	-31.47	-31.56	-31.52	-31.50	
	3	2109 to 2110	-29.28	-28.38	-29.01	-29.11	
	3	2108 to 2109	-32.58	-32.52	-32.65	-32.68	
High	0	2180 to 2181	-23.51	-25.80	-23.95	-23.69	
	0	2181 to 2182	-22.83	-23.06	**-22.24**	-22.33	
	1	2180 to 2181	-23.61	-25.66	-24.24	-23.93	
	1	2181 to 2182	-23.32	-23.40	-23.48	-22.92	
	2	2180 to 2181	-23.87	-26.37	-24.59	-24.25	
	2	2181 to 2182	-24.43	-25.36	-24.70	-24.98	
	3	2180 to 2181	-23.48	-25.87	-23.87	-23.75	
	3	2181 to 2182	-24.13	-24.13	-24.08	-24.37	

Table 8-145. Band Edge Emission Summary Data (AWS_NR_1C_10M_4TX)

Channel	Port	Measured Range (MHz)	Max. Value (dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Low	0	2109 to 2110	-25.24	**-24.81**	-25.41	-25.92	-19.02
	0	2108 to 2109	-30.30	-30.27	-30.28	-30.29	
	1	2109 to 2110	-28.86	-28.87	-29.33	-29.94	
	1	2108 to 2109	-31.20	-31.17	-31.06	-31.40	
	2	2109 to 2110	-26.99	-26.61	-27.14	-27.63	
	2	2108 to 2109	-31.14	-31.40	-31.46	-31.47	
	3	2109 to 2110	-27.15	-27.05	-27.44	-28.07	
	3	2108 to 2109	-32.46	-32.32	-32.45	-32.49	
High	0	2180 to 2181	-22.14	-21.23	-22.28	-22.18	
	0	2181 to 2182	-21.75	-21.33	-21.49	-21.69	
	1	2180 to 2181	-22.27	-21.61	-22.39	-22.57	
	1	2181 to 2182	-22.97	-23.31	-23.16	-23.31	
	2	2180 to 2181	-22.51	-21.89	-22.85	-22.66	
	2	2181 to 2182	-23.22	-24.03	-23.68	-24.21	
	3	2180 to 2181	-21.54	**-21.16**	-22.40	-22.15	
	3	2181 to 2182	-23.08	-23.30	-22.55	-23.17	

Table 8-146. Band Edge Emission Summary Data (AWS_NR_1C_15M_4TX)

Channel	Port	Measured Range (MHz)	Max. Value (dBm)				Limit (dBm)
			QPSK	16QAM	64QAM	256QAM	
Low	0	2109 to 2110	-26.67	**-25.86**	-26.14	-26.66	-19.02
	0	2108 to 2109	-30.53	-30.53	-30.51	-30.59	
	1	2109 to 2110	-30.17	-29.59	-29.49	-30.35	
	1	2108 to 2109	-31.34	-31.30	-31.42	-31.33	
	2	2109 to 2110	-28.20	-27.05	-27.78	-27.90	
	2	2108 to 2109	-31.77	-31.71	-31.73	-31.75	
	3	2109 to 2110	-28.52	-27.30	-28.06	-28.54	
	3	2108 to 2109	-32.86	-32.68	-32.82	-32.77	
High	0	2180 to 2181	-22.00	-22.74	-21.93	-22.51	
	0	2181 to 2182	-21.67	-21.79	**-21.50**	-21.78	
	1	2180 to 2181	-22.33	-23.23	-21.96	-23.28	
	1	2181 to 2182	-23.64	-23.85	-23.68	-23.32	
	2	2180 to 2181	-22.69	-22.87	-22.37	-23.27	
	2	2181 to 2182	-24.39	-22.95	-24.66	-24.61	
	3	2180 to 2181	-22.38	-22.25	-21.74	-22.53	
	3	2181 to 2182	-23.52	-23.54	-23.77	-23.81	

Table 8-147. Band Edge Emission Summary Data (AWS_NR_1C_20M_4TX)

Channel	Ratio	Port	Measured Range (MHz)	Max. Value (dBm)				Limit (dBm)
				QPSK	16QAM	64QAM	256QAM	
Low	LTE: 5 NR: 5	0	2109 to 2110	-26.65	-26.63	-26.32	**-25.88**	-19.02
		0	2108 to 2109	-39.51	-39.61	-39.75	-40.04	
		1	2109 to 2110	-30.85	-30.96	-30.44	-30.35	
		1	2108 to 2109	-38.93	-38.68	-38.85	-39.08	
		2	2109 to 2110	-28.85	-28.80	-28.62	-28.09	
		2	2108 to 2109	-39.04	-35.42	-38.16	-39.15	
		3	2109 to 2110	-28.36	-29.23	-28.95	-27.54	
		3	2108 to 2109	-31.27	-31.11	-31.53	-31.52	
High		0	2180 to 2181	-23.15	-22.74	-23.64	-23.09	
		0	2181 to 2182	**-21.70**	-22.37	-22.31	-22.34	
		1	2180 to 2181	-23.40	-22.67	-23.95	-24.01	
		1	2181 to 2182	-23.69	-23.47	-23.46	-23.48	
		2	2180 to 2181	-23.50	-23.16	-24.41	-24.08	
		2	2181 to 2182	-24.68	-25.15	-24.23	-24.51	
		3	2180 to 2181	-22.71	-22.24	-23.61	-22.92	
		3	2181 to 2182	-22.85	-23.65	-23.18	-22.62	

Table 8-148. Band Edge Emission Summary Data (AWS_DSS_1C_15M_4TX)

Channel	Ratio	Port	Measured Range (MHz)	Max. Value (dBm)				Limit (dBm)
				QPSK	16QAM	64QAM	256QAM	
Low	LTE: 5 NR: 5	0	2109 to 2110	-27.54	-27.31	**-27.13**	-27.17	-19.02
		0	2108 to 2109	-41.90	-41.85	-42.17	-42.12	
		1	2109 to 2110	-31.28	-31.26	-30.98	-32.01	
		1	2108 to 2109	-41.41	-41.16	-41.57	-41.56	
		2	2109 to 2110	-29.29	-29.24	-29.46	-29.38	
		2	2108 to 2109	-40.94	-40.18	-38.59	-40.74	
		3	2109 to 2110	-29.85	-29.05	-29.51	-28.95	
		3	2108 to 2109	-33.31	-32.94	-33.07	-33.66	
High		0	2180 to 2181	-23.21	-24.64	-23.34	-23.91	
		0	2181 to 2182	-22.04	-22.25	-22.07	**-21.55**	
		1	2180 to 2181	-24.28	-25.07	-23.96	-24.76	
		1	2181 to 2182	-24.25	-24.25	-24.38	-24.23	
		2	2180 to 2181	-25.11	-26.06	-23.15	-24.06	
		2	2181 to 2182	-25.94	-25.82	-25.57	-25.75	
		3	2180 to 2181	-23.79	-24.61	-22.82	-23.82	
		3	2181 to 2182	-24.09	-24.29	-24.68	-24.00	

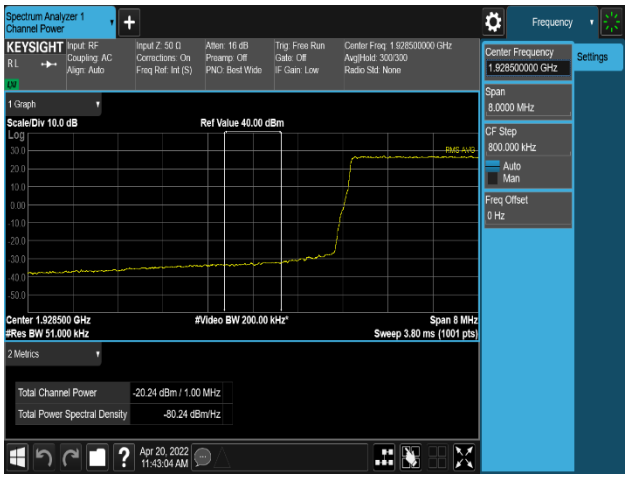
Table 8-149. Band Edge Emission Summary Data (AWS_DSS_1C_20M_4TX)

Channel	Configuration	Measured Range (MHz)	Max. Value (dBm) QPSK	Limit (dBm)
Low	NR_2C_5M + 5M	2109 to 2110	**-27.64**	-19.02
		2108 to 2109	-30.29	
	NR_1C_5M + LTE_1C_5M	2109 to 2110	-29.12	
		2108 to 2109	-41.55	
	DSS_1C_10M + NR_1C_5M	2109 to 2110	-27.87	
		2108 to 2109	-39.10	
	DSS_2C_10M + 10M	2109 to 2110	-28.17	
		2108 to 2109	-41.78	
	DSS_1C_10M + NR_1C_5M + LTE_1C_5M	2109 to 2110	-27.82	
		2108 to 2109	-39.44	
	NR_3C_10M + 10M +15M	2109 to 2110	-29.18	
		2108 to 2109	-41.96	
	DSS_3C_10M + 10M +15M	2109 to 2110	-29.97	
		2108 to 2109	-42.29	
	DSS_1C_20M + NR_1C_10M + LTE_1C_5M	2109 to 2110	-30.89	
		2108 to 2109	-42.31	
	DSS_2C_10M + 10M + LTE_1C_15M	2109 to 2110	-29.91	
		2108 to 2109	-42.87	
	DSS_1C_20M + NR_2C_10M + 5M	2109 to 2110	-29.62	
		2108 to 2109	-42.05	
	NR_2C_5M + 10M + LTE_1C_20M	2109 to 2110	-29.73	
		2108 to 2109	-42.10	
High	NR_2C_5M + 5M	2180 to 2181	-24.94	
		2181 to 2182	-20.08	
	NR_1C_5M + LTE_1C_5M	2180 to 2181	-25.42	
		2181 to 2182	-21.23	
	DSS_1C_10M + NR_1C_5M	2180 to 2181	-23.85	
		2181 to 2182	-20.12	
	DSS_2C_10M + 10M	2180 to 2181	-22.92	
		2181 to 2182	-21.49	
	DSS_1C_10M + NR_1C_5M + LTE_1C_5M	2180 to 2181	-22.02	
		2181 to 2182	-19.95	
	NR_3C_10M + 10M +15M	2180 to 2181	-24.37	
		2181 to 2182	-22.05	
	DSS_3C_10M + 10M +15M	2180 to 2181	-23.63	
		2181 to 2182	-21.70	
	DSS_1C_20M + NR_1C_10M + LTE_1C_5M	2180 to 2181	-25.24	
		2181 to 2182	-22.27	
	DSS_2C_10M + 10M + LTE_1C_15M	2180 to 2181	-24.10	
		2181 to 2182	-21.68	
	DSS_1C_20M + NR_2C_10M + 5M	2180 to 2181	-23.26	
		2181 to 2182	**-19.93**	
	NR_2C_5M + 10M + LTE_1C_20M	2180 to 2181	-22.76	
		2181 to 2182	-20.01	

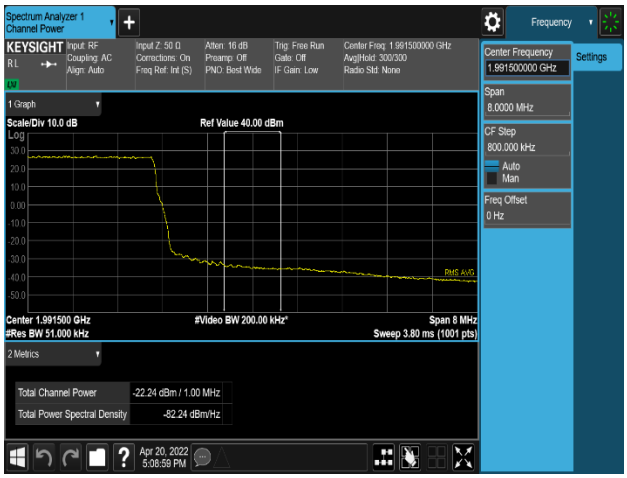
Table 8-150. Band Edge Emission Summary Data (AWS_Contiguous_Multi Carrier_4TX)

Channel	Configuration	Measured Range (MHz)	Max. Value (dBm) QPSK	Limit (dBm)
Low	NR_2C_5M + 5M	2109 to 2110	-29.64	-19.02
		2108 to 2109	-42.16	
	NR_1C_5M + LTE_1C_5M	2109 to 2110	**-22.76**	
		2108 to 2109	-28.87	
	DSS_1C_10M + NR_1C_5M	2109 to 2110	-25.25	
		2108 to 2109	-29.46	
	DSS_2C_10M + 10M	2109 to 2110	-26.49	
		2108 to 2109	-29.89	
	DSS_1C_10M + NR_1C_5M + LTE_1C_5M	2109 to 2110	-27.28	
		2108 to 2109	-29.64	
	NR_3C_10M + 10M +15M	2109 to 2110	-27.33	
		2108 to 2109	-29.98	
	DSS_3C_10M + 10M +15M	2109 to 2110	-28.77	
		2108 to 2109	-29.95	
	DSS_1C_20M + NR_1C_10M + LTE_1C_5M	2109 to 2110	-28.44	
		2108 to 2109	-30.02	
	DSS_2C_10M + 10M + LTE_1C_15M	2109 to 2110	-28.90	
		2108 to 2109	-41.86	
	DSS_1C_20M + NR_2C_10M + 5M	2109 to 2110	-27.13	
		2108 to 2109	-29.99	
	NR_2C_5M + 10M + LTE_1C_20M	2109 to 2110	-26.91	
		2108 to 2109	-39.25	
High	NR_2C_5M + 5M	2180 to 2181	-25.35	
		2181 to 2182	-20.08	
	NR_1C_5M + LTE_1C_5M	2180 to 2181	-25.22	
		2181 to 2182	-20.09	
	DSS_1C_10M + NR_1C_5M	2180 to 2181	-25.48	
		2181 to 2182	-20.04	
	DSS_2C_10M + 10M	2180 to 2181	-22.94	
		2181 to 2182	**-19.56**	
	DSS_1C_10M + NR_1C_5M + LTE_1C_5M	2180 to 2181	-23.22	
		2181 to 2182	-20.11	
	NR_3C_10M + 10M +15M	2180 to 2181	-22.43	
		2181 to 2182	-20.15	
	DSS_3C_10M + 10M +15M	2180 to 2181	-23.17	
		2181 to 2182	-20.44	
	DSS_1C_20M + NR_1C_10M + LTE_1C_5M	2180 to 2181	-22.72	
		2181 to 2182	-20.29	
	DSS_2C_10M + 10M + LTE_1C_15M	2180 to 2181	-23.00	
		2181 to 2182	-20.03	
	DSS_1C_20M + NR_2C_10M + 5M	2180 to 2181	-22.62	
		2181 to 2182	-20.15	
	NR_2C_5M + 10M + LTE_1C_20M	2180 to 2181	-20.09	
		2181 to 2182	-20.07	

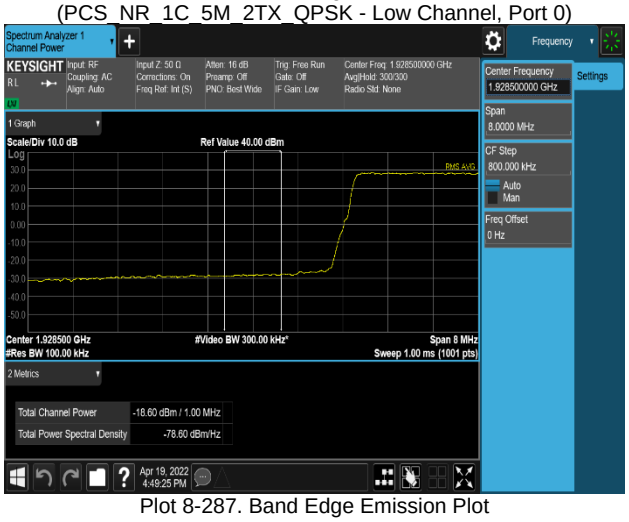
Table 8-151. Band Edge Emission Summary Data (AWS_Non-Contiguous_Multi Carrier_4TX)



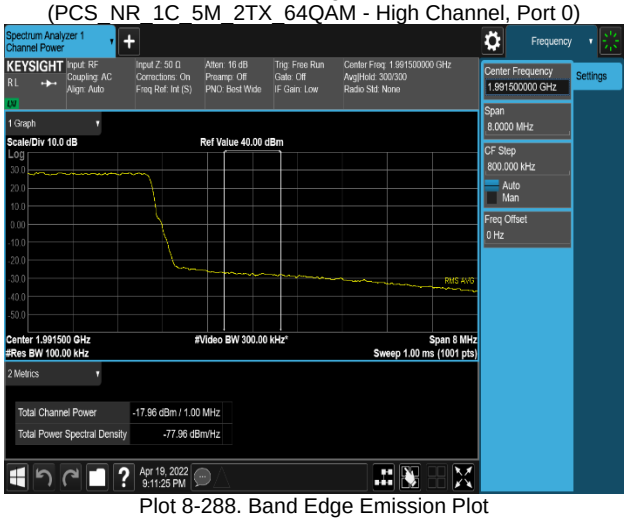
Plot 8-285. Band Edge Emission Plot
(PCS_NR_1C_5M_2TX_QPSK - Low Channel, Port 0)



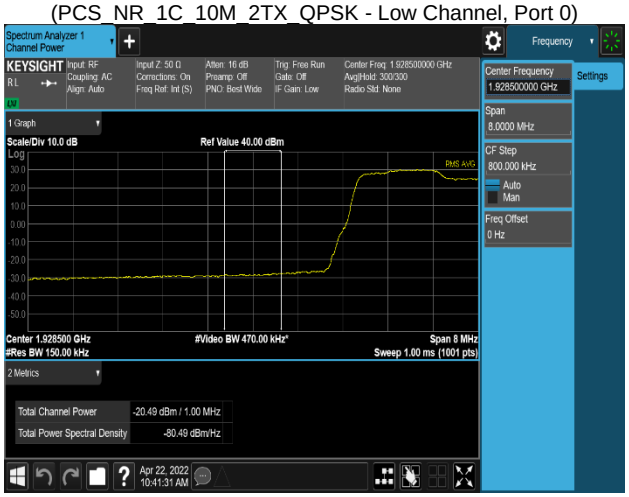
Plot 8-286. Band Edge Emission Plot
(PCS_NR_1C_5M_2TX_64QAM - High Channel, Port 0)



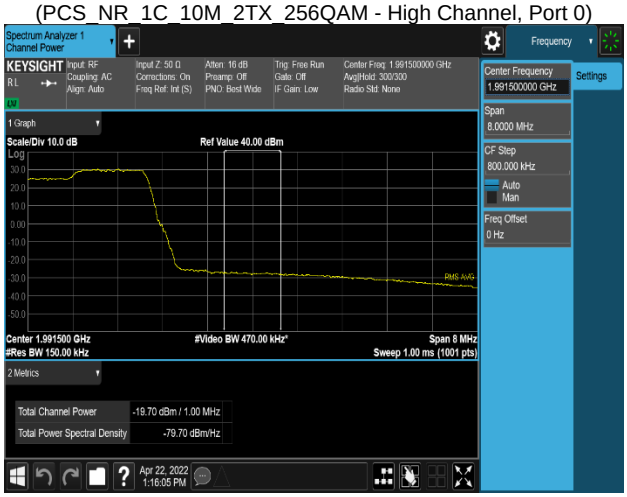
Plot 8-287. Band Edge Emission Plot
(PCS_NR_1C_10M_2TX_QPSK - Low Channel, Port 0)



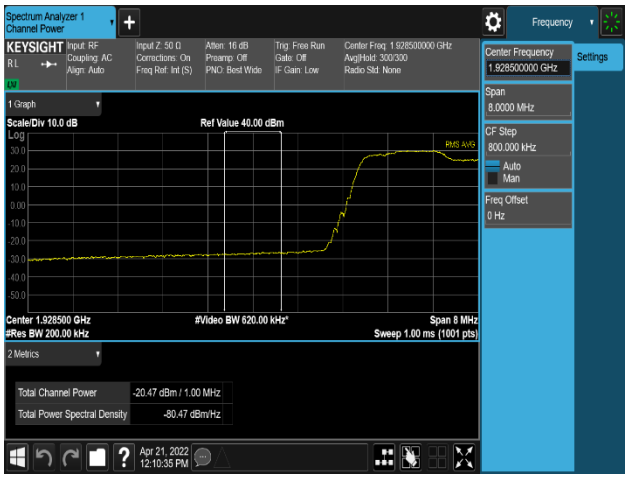
Plot 8-288. Band Edge Emission Plot
(PCS_NR_1C_10M_2TX_256QAM - High Channel, Port 0)



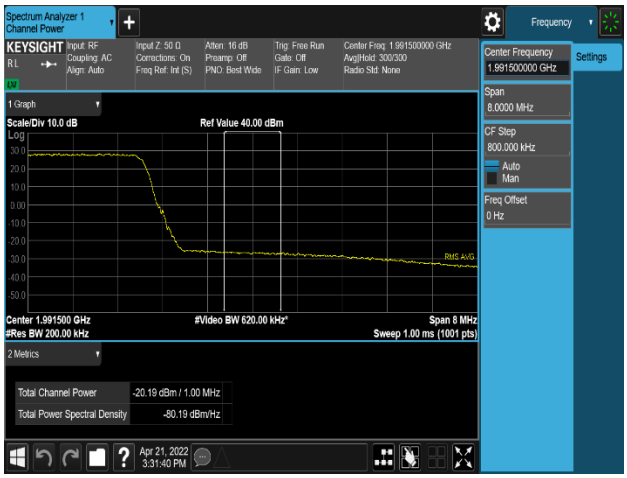
Plot 8-289. Band Edge Emission Plot
(PCS_NR_1C_15M_2TX_16QAM - Low Channel, Port 0)



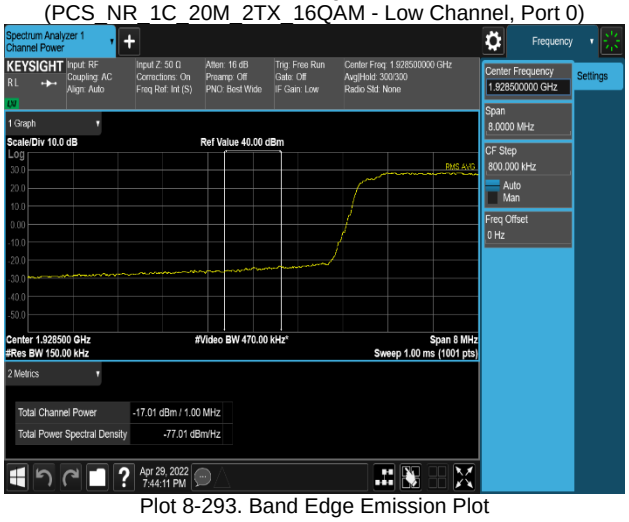
Plot 8-290. Band Edge Emission Plot
(PCS_NR_1C_15M_2TX_16QAM - High Channel, Port 0)



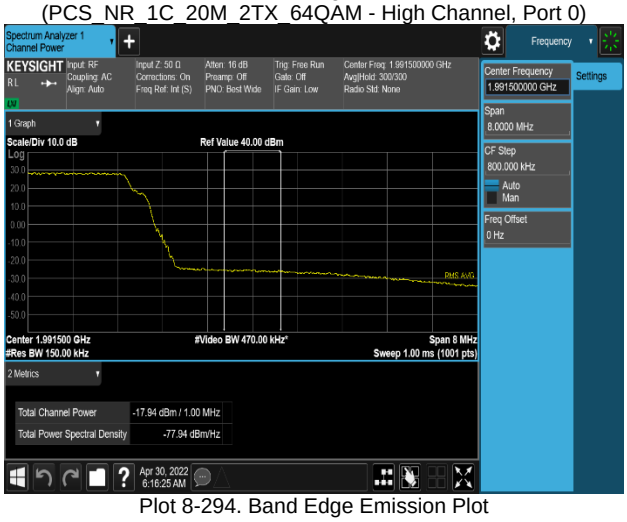
Plot 8-291. Band Edge Emission Plot
(PCS_NR_1C_20M_2TX_16QAM - Low Channel, Port 0)



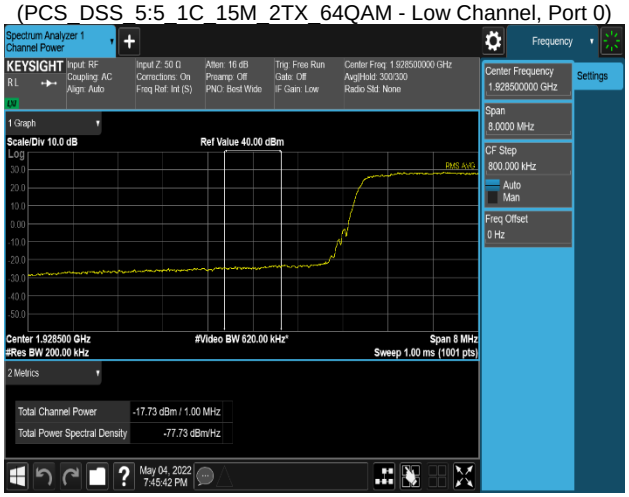
Plot 8-292. Band Edge Emission Plot
(PCS_NR_1C_20M_2TX_64QAM - High Channel, Port 0)



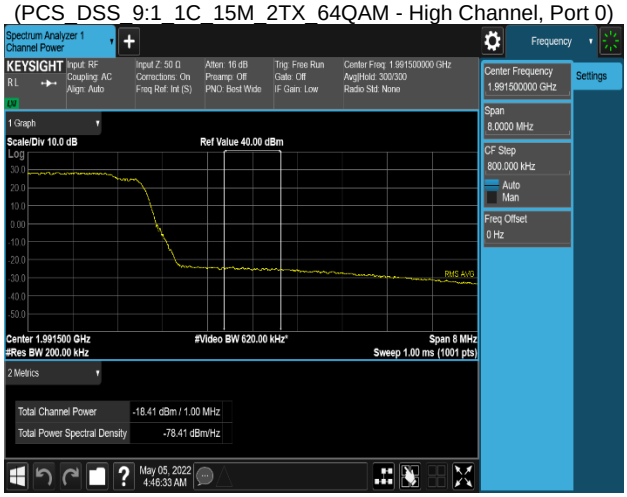
Plot 8-293. Band Edge Emission Plot
(PCS_DSS_5:5_1C_15M_2TX_64QAM - Low Channel, Port 0)



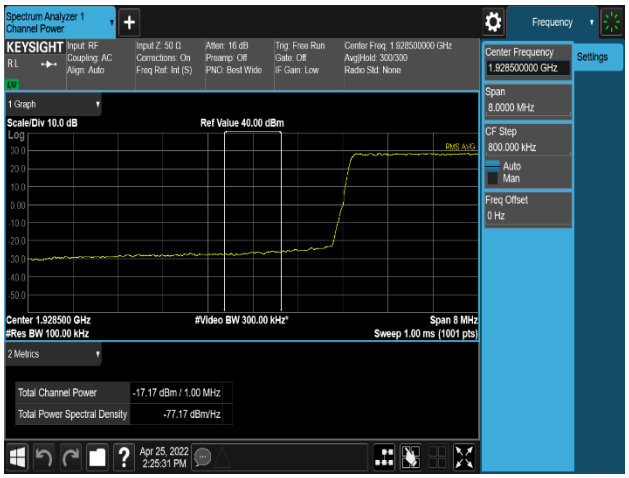
Plot 8-294. Band Edge Emission Plot
(PCS_DSS_9:1_1C_15M_2TX_64QAM - High Channel, Port 0)



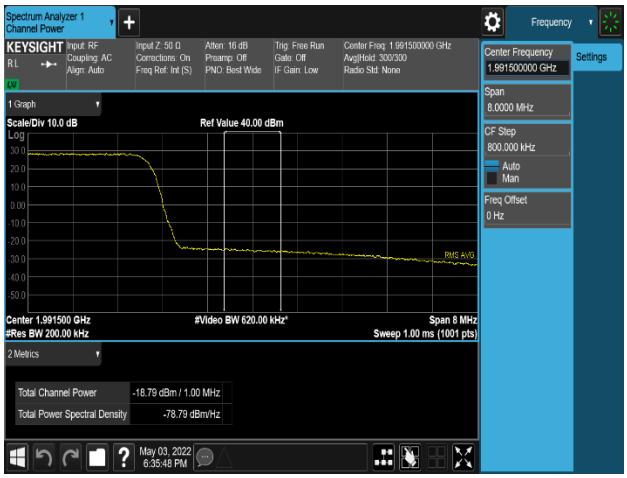
Plot 8-295. Band Edge Emission Plot
(PCS_DSS_2:8_1C_20M_2TX_256QAM - Low Channel, Port 0)



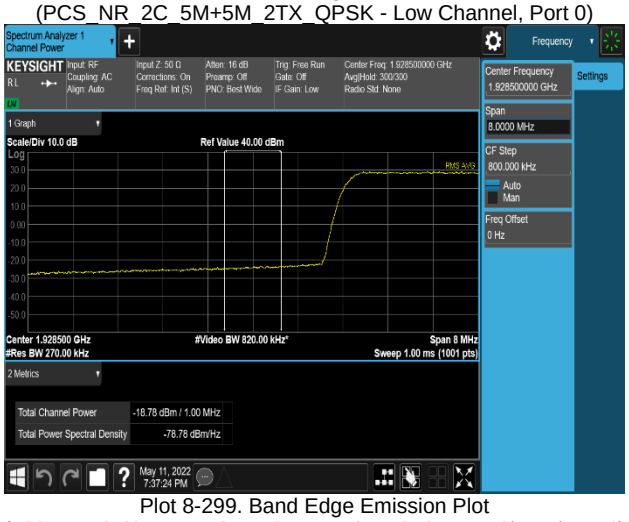
Plot 8-296. Band Edge Emission Plot
(PCS_DSS_5:5_1C_20M_2TX_QPSK - High Channel, Port 0)



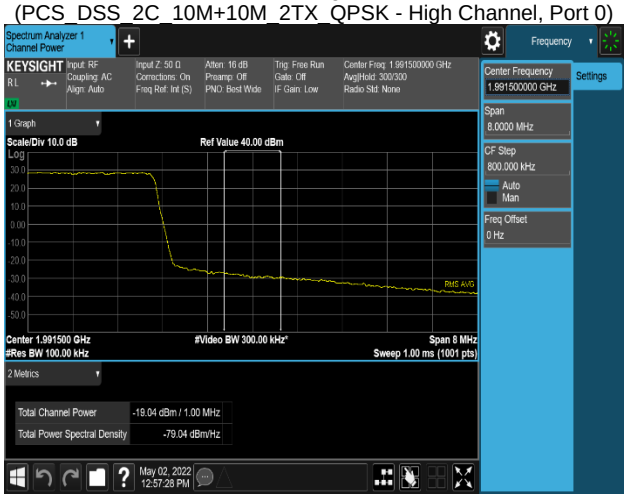
Plot 8-297. Band Edge Emission Plot
(PCS_NR_2C_5M+5M_2TX_QPSK - Low Channel, Port 0)



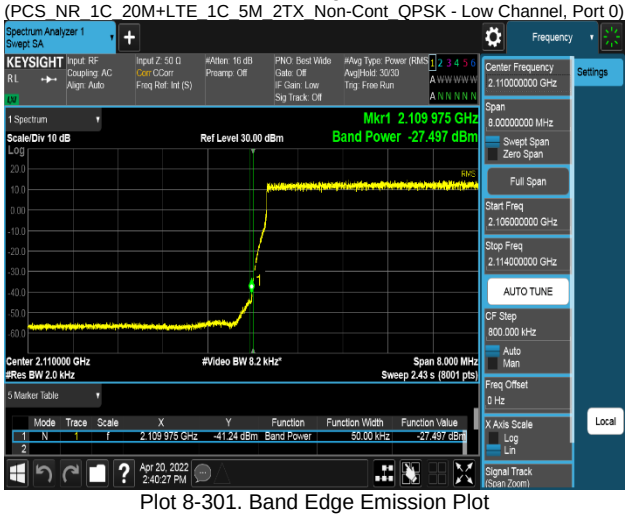
Plot 8-298. Band Edge Emission Plot
(PCS_DSS_2C_10M+10M_2TX_QPSK - High Channel, Port 0)



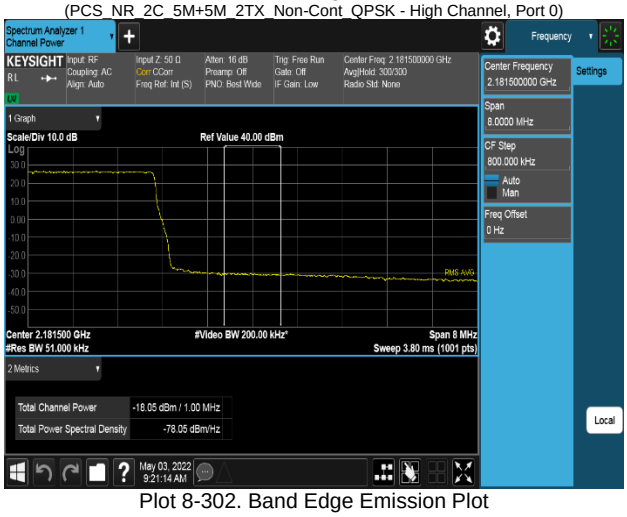
Plot 8-299. Band Edge Emission Plot
(PCS_NR_1C_20M+LTE_1C_5M_2TX_Non-Cont_QPSK - Low Channel, Port 0)



Plot 8-300. Band Edge Emission Plot
(PCS_NR_2C_5M+5M_2TX_Non-Cont_QPSK - High Channel, Port 0)



Plot 8-301. Band Edge Emission Plot
(AWS_NR_1C_5M_2TX_QPSK - Low Channel, Port 0)



Plot 8-302. Band Edge Emission Plot
(AWS_NR_1C_5M_2TX_256QAM - High Channel, Port 0)