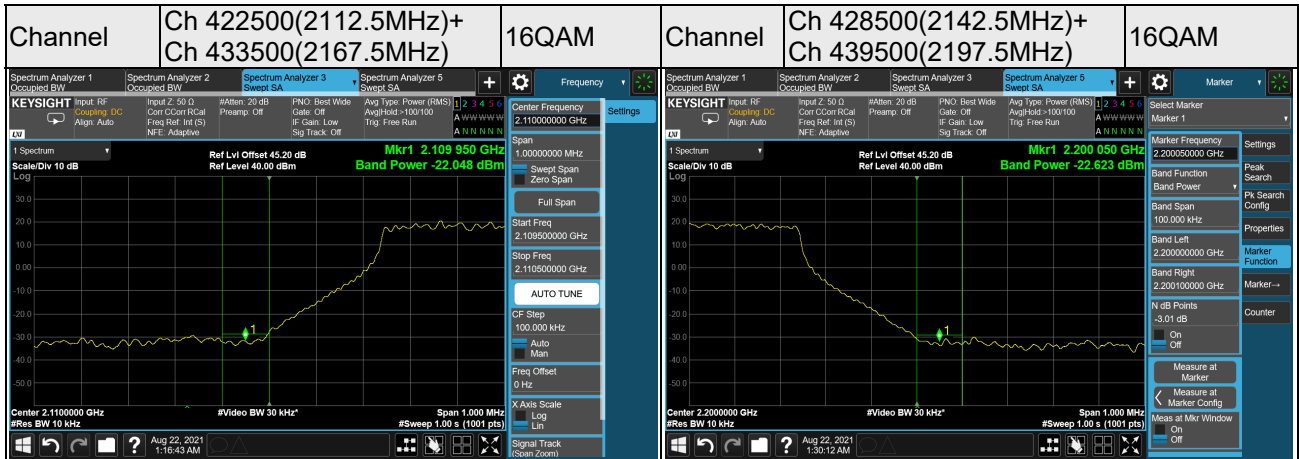
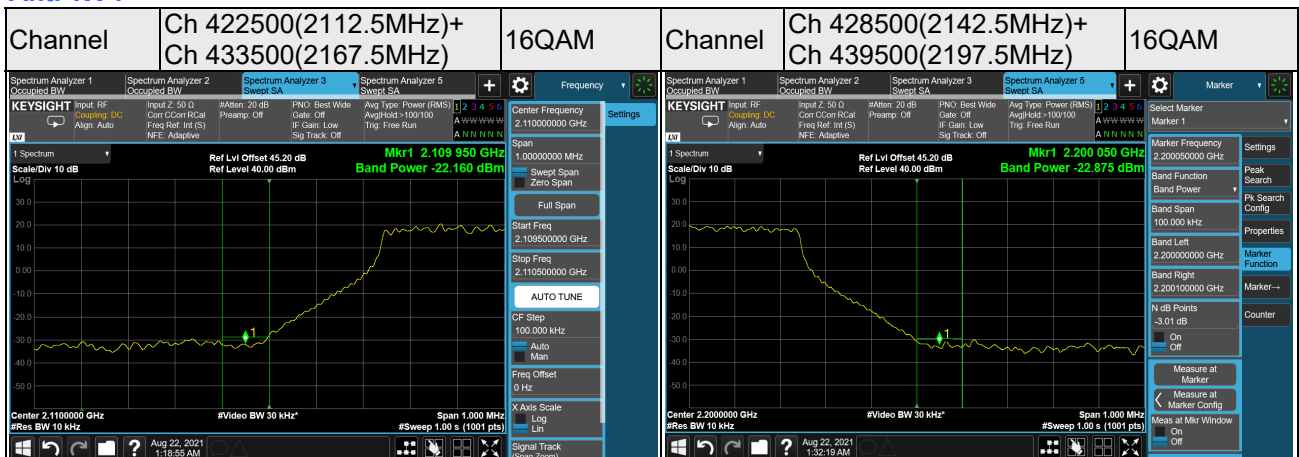


CA-NC Non-Contiguous

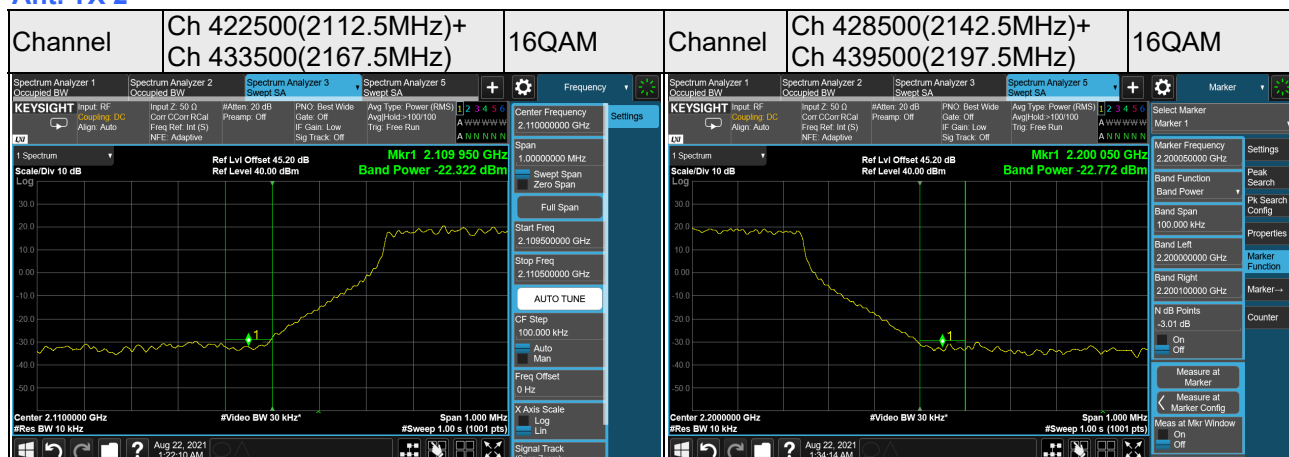
5MHz+5MHz
Ant. TX 0



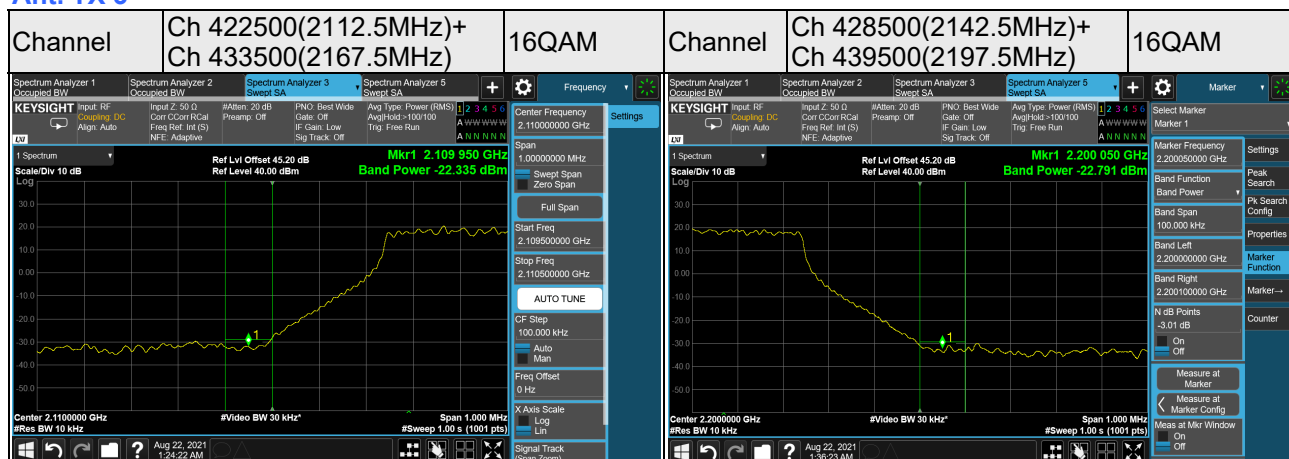
Ant. TX 1



Ant. TX 2

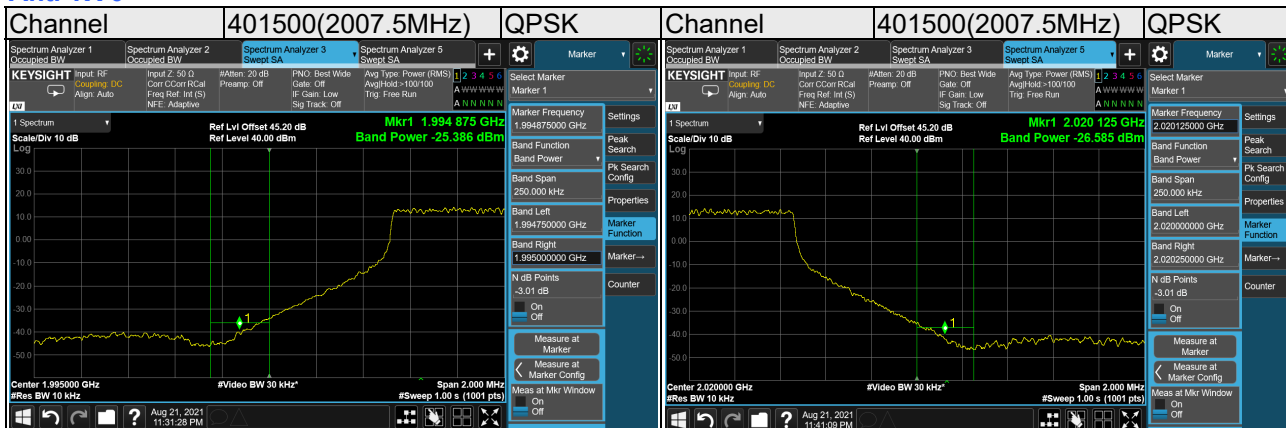


Ant. TX 3

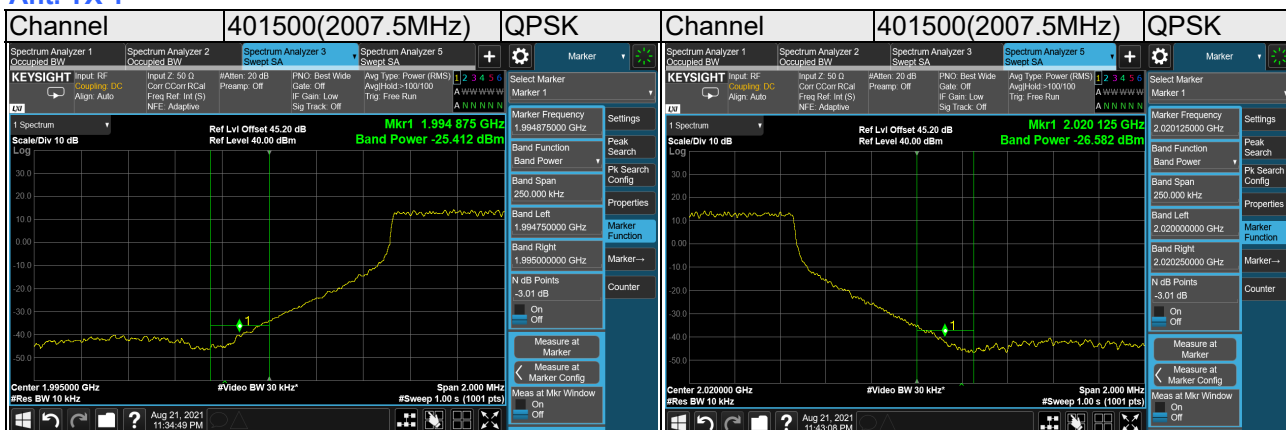


Band n70 Single Carrier

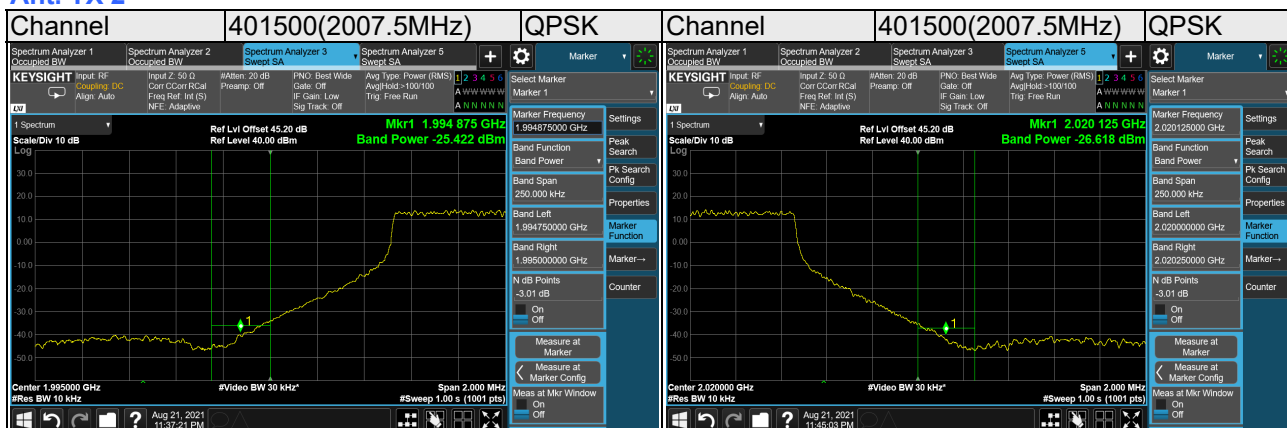
25MHz
Ant. TX 0



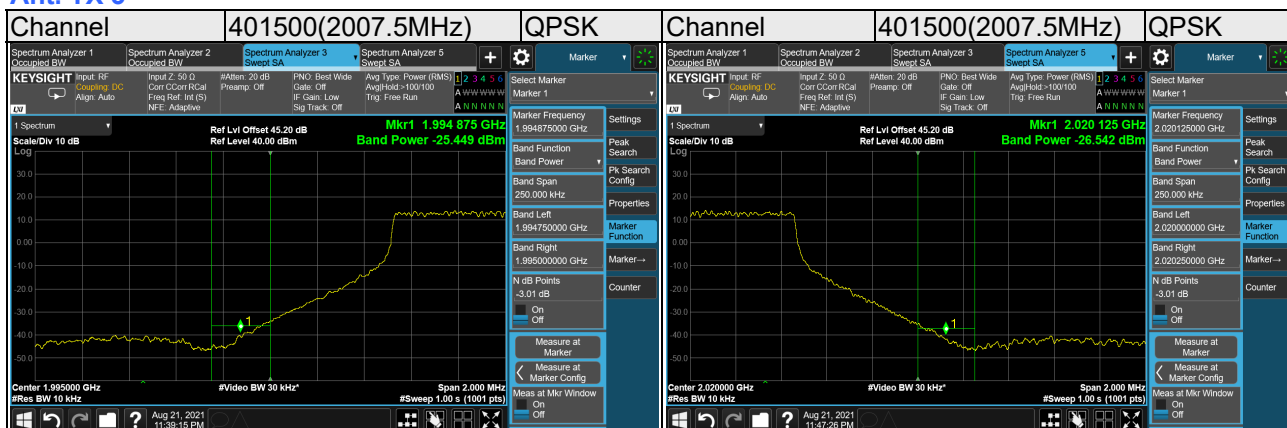
Ant. TX 1



Ant. TX 2

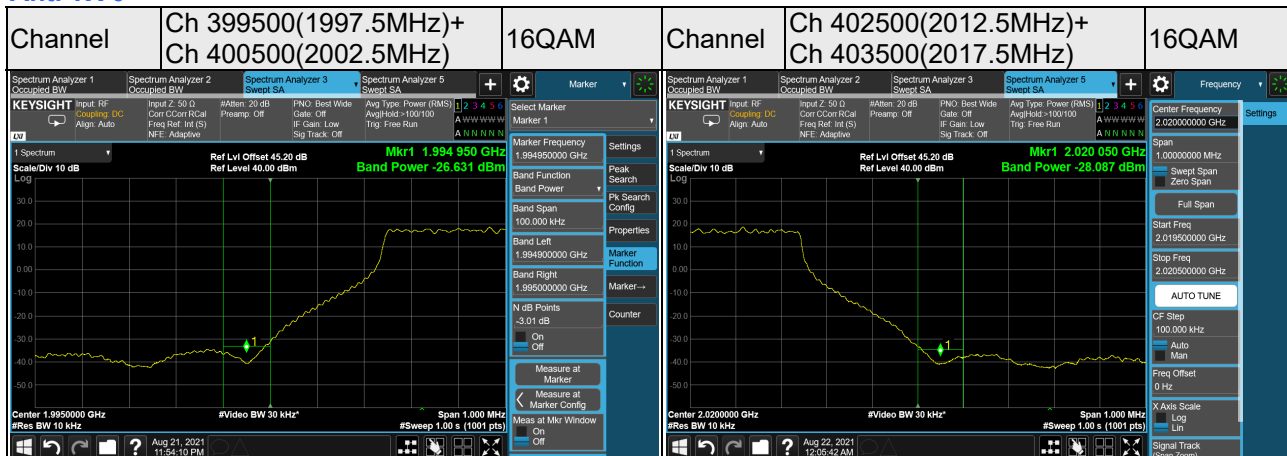


Ant. TX 3

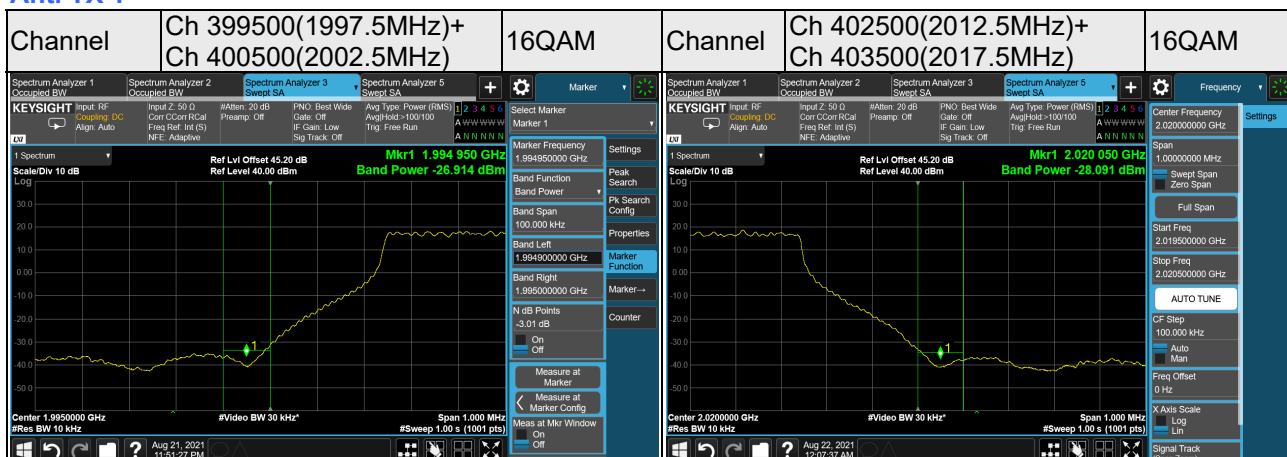


CA Contiguous

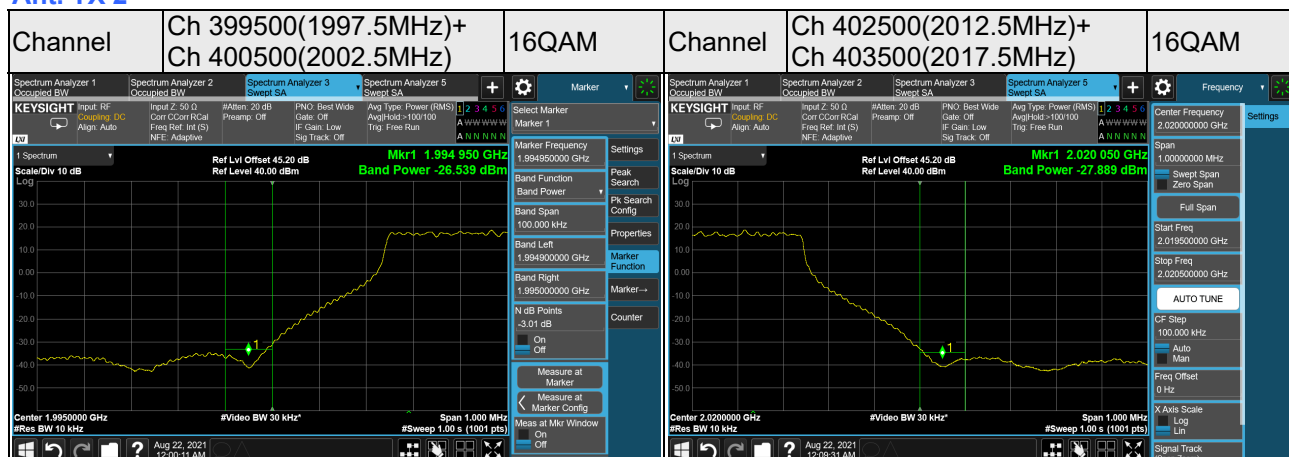
5MHz+5MHz
Ant. TX 0



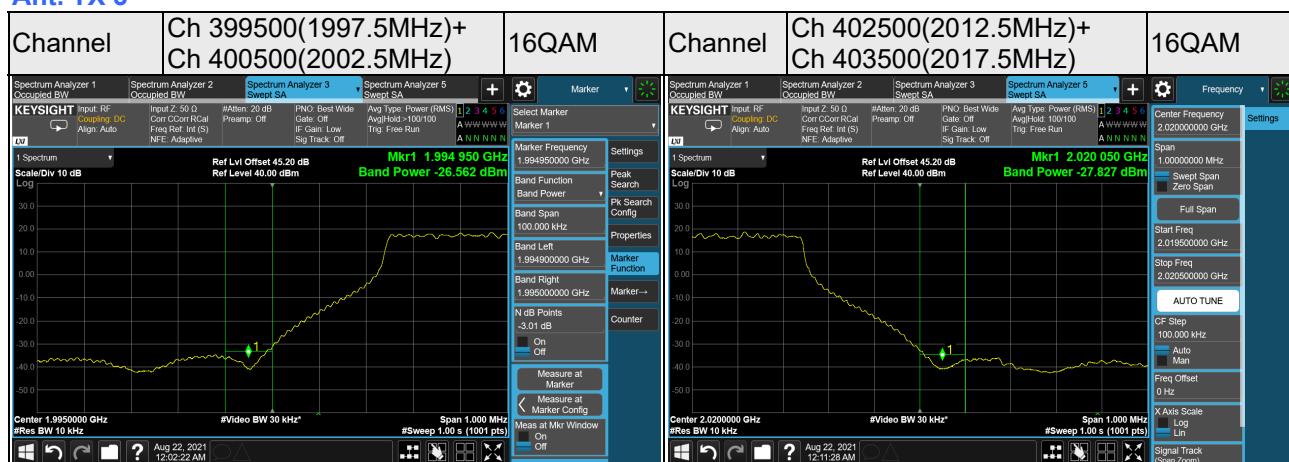
Ant. TX 1



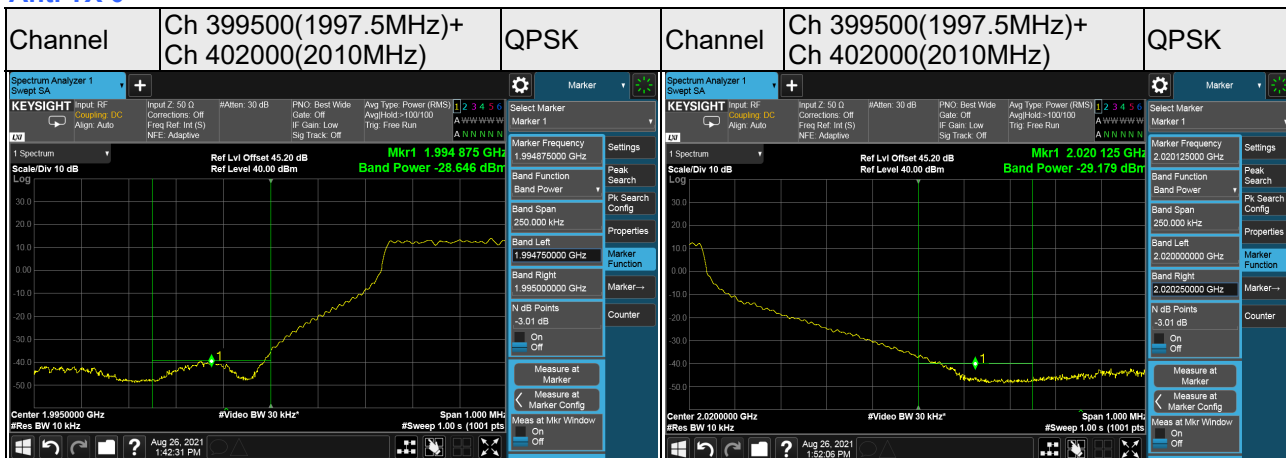
Ant. TX 2



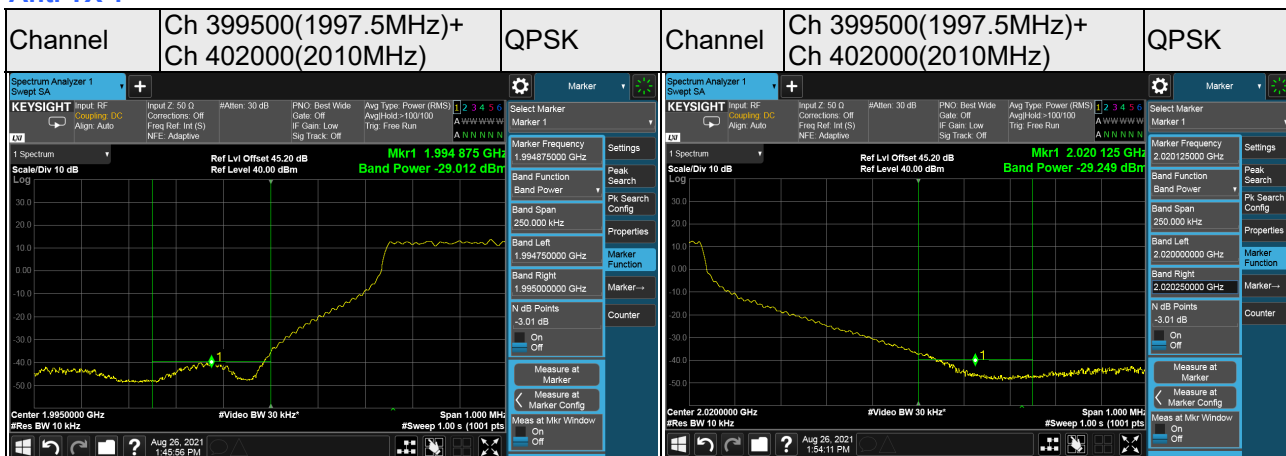
Ant. TX 3



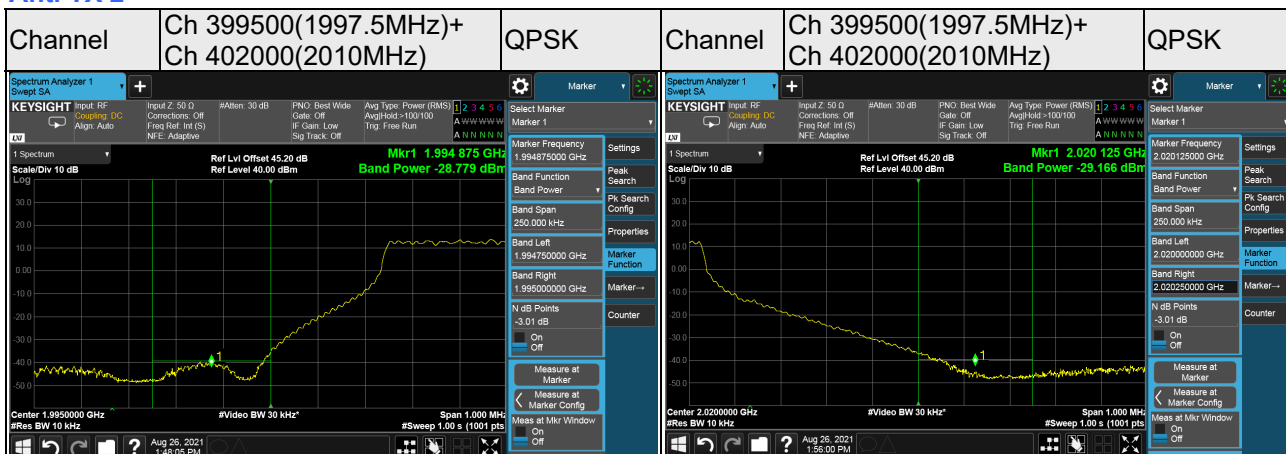
5MHz+20MHz Ant. TX 0



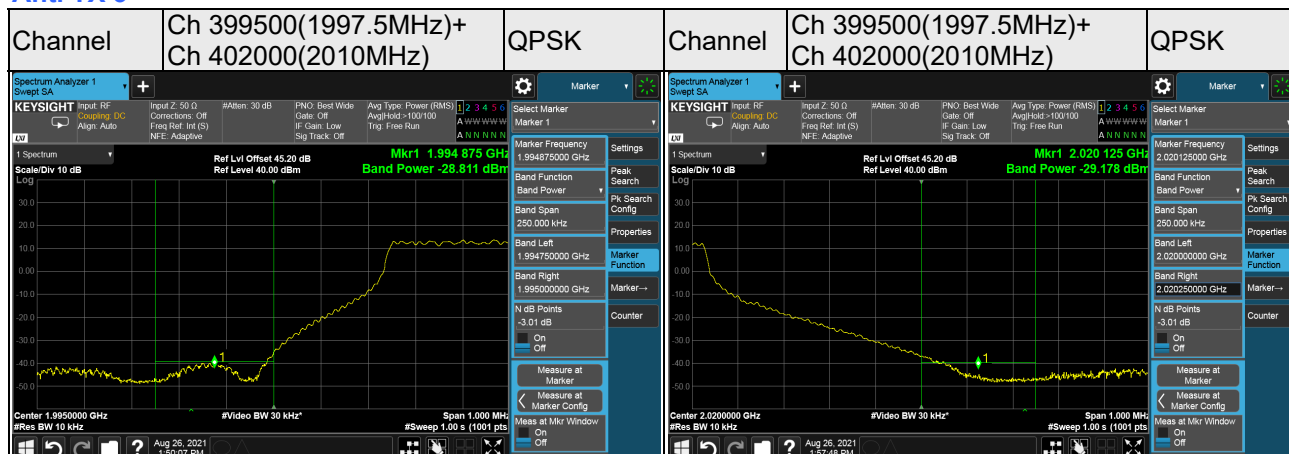
Ant. TX 1



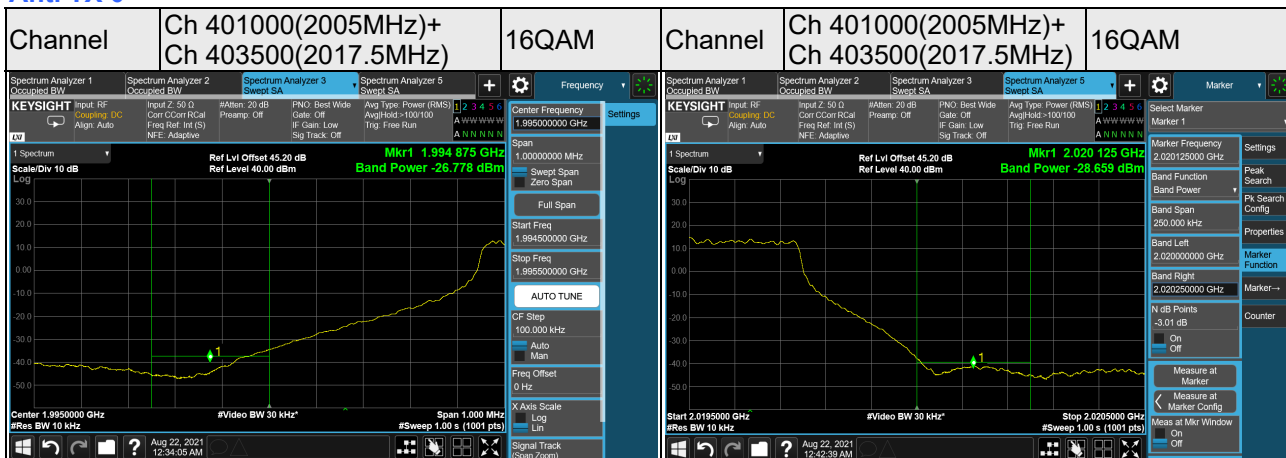
Ant. TX 2



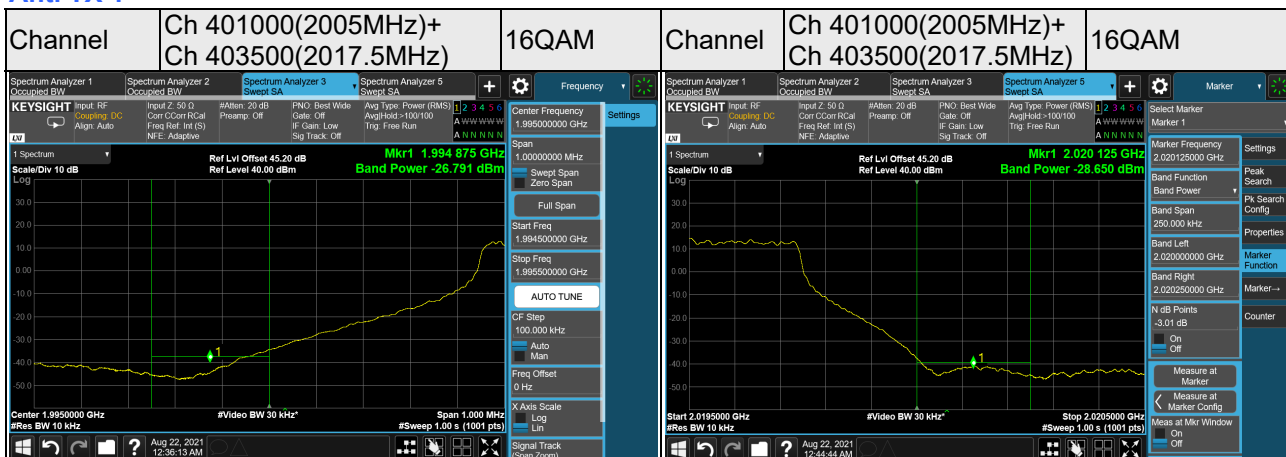
Ant. TX 3



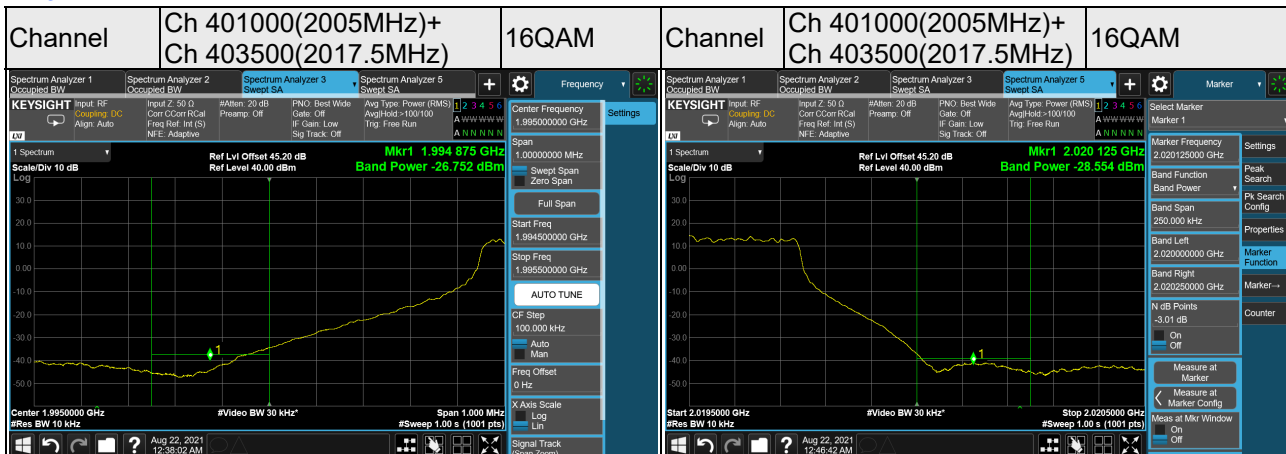
20MHz+5MHz Ant. TX 0



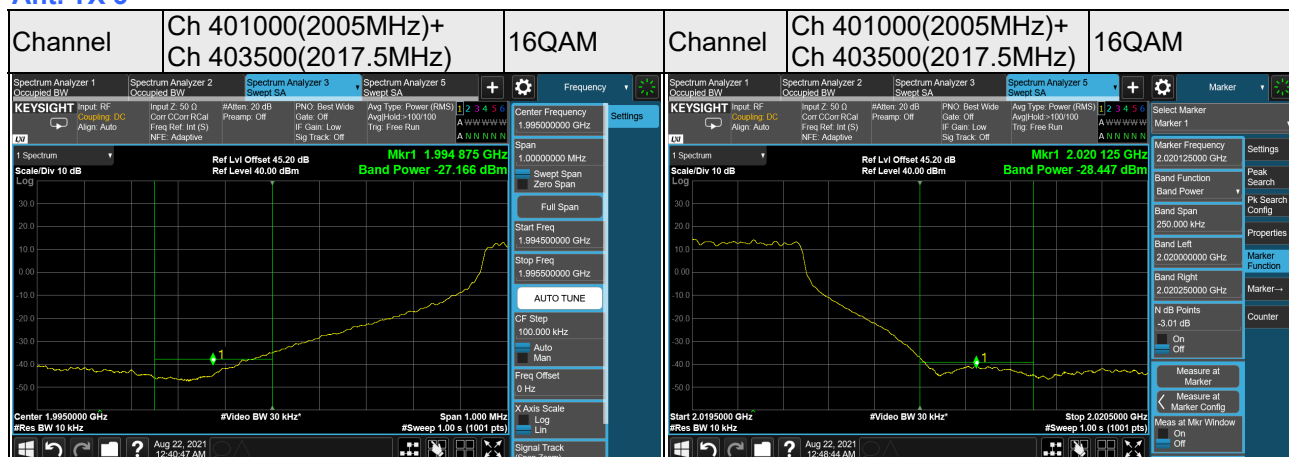
Ant. TX 1



Ant. TX 2

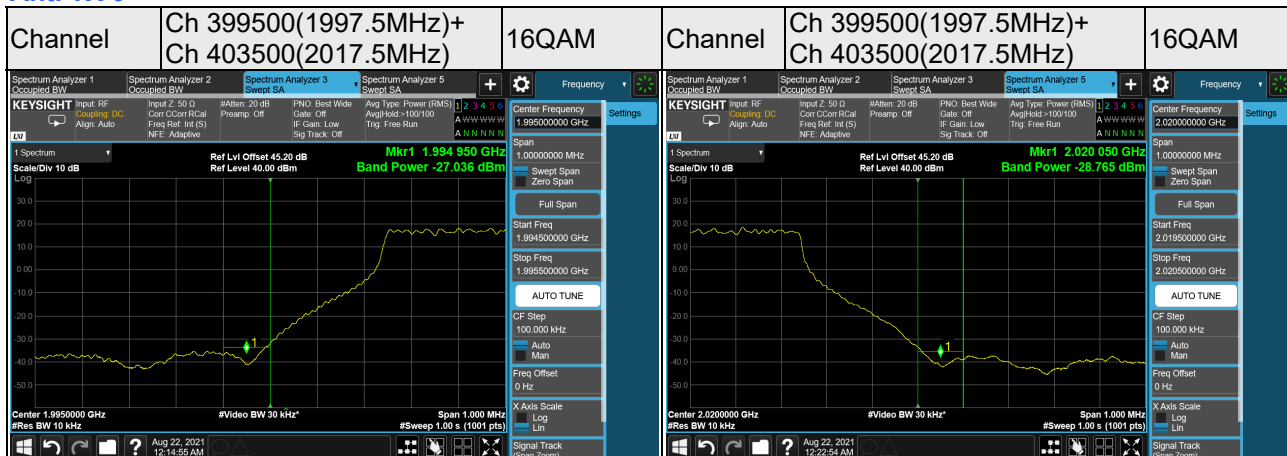


Ant. TX 3

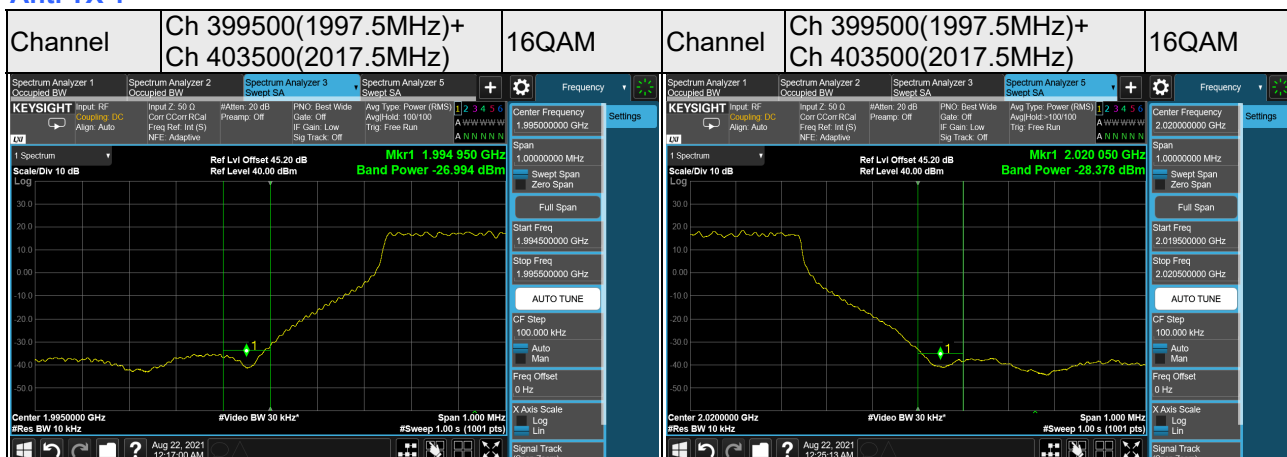


CA-NC Non-Contiguous

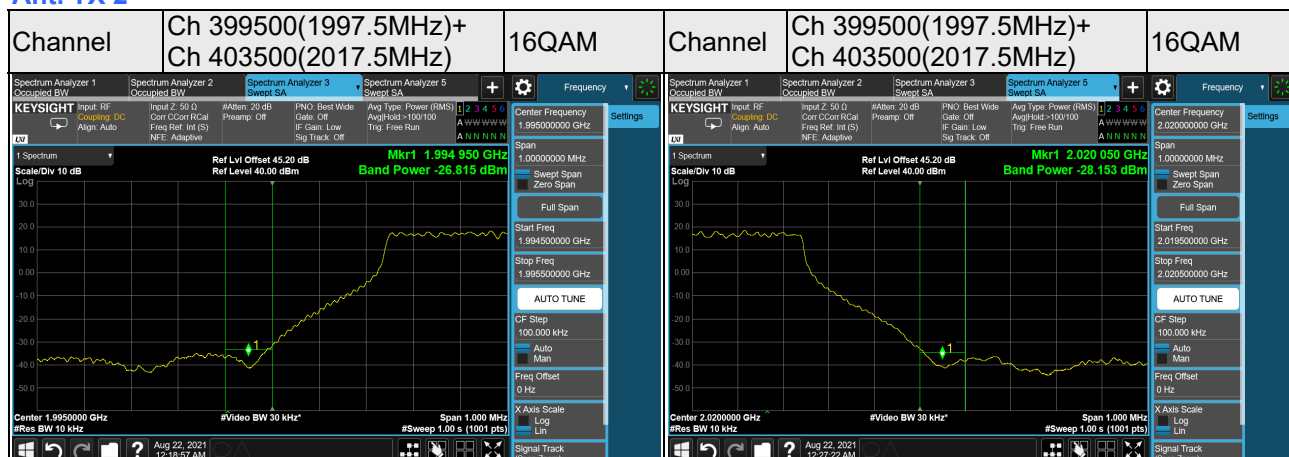
5MHz+5MHz
Ant. TX 0



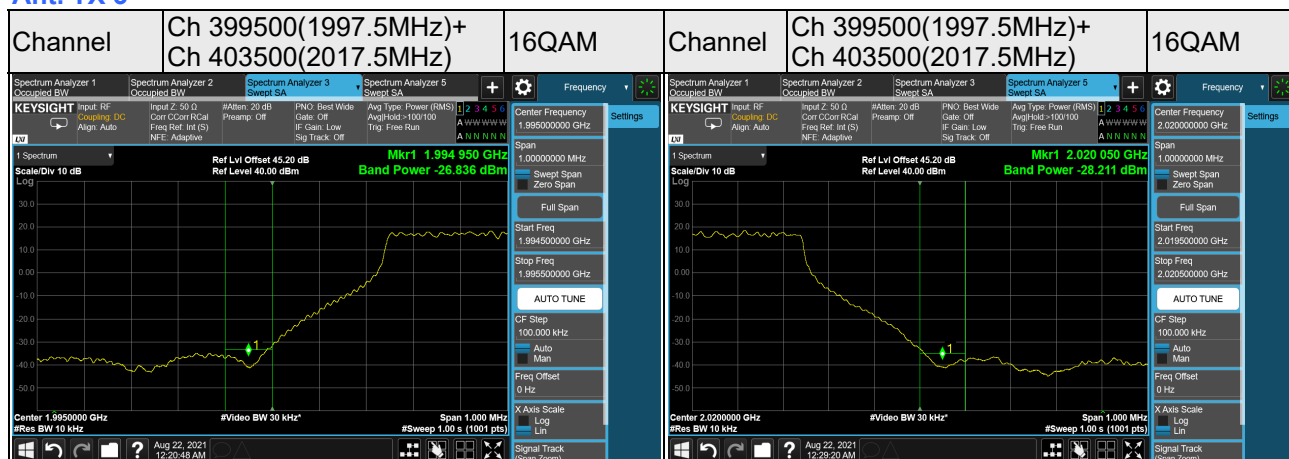
Ant. TX 1



Ant. TX 2



Ant. TX 3

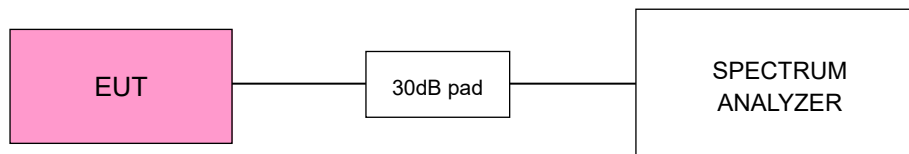


4.6 Peak to Average Ratio

4.6.1 Limits of Peak to Average Ratio Measurement

In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13 dB

4.6.2 Test Setup



4.6.3 Test Procedures

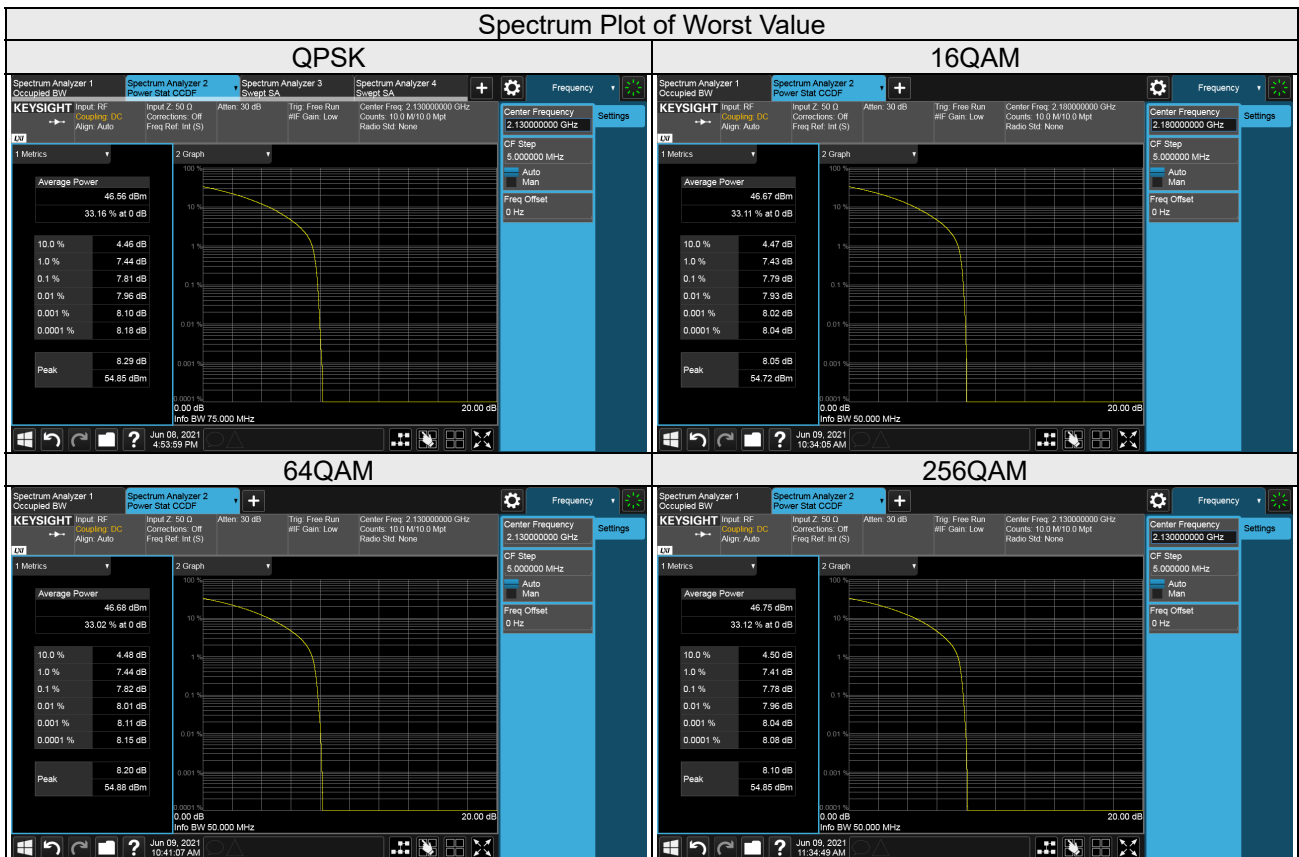
1. Set resolution/measurement bandwidth $\geq$ signal's occupied bandwidth;
2. Set the number of counts to a value that stabilizes the measured CCDF curve;
3. Record the maximum PAPR level associated with a probability of 0.1%.

4.6.4 Test Results

Band n66
CA Contiguous

20MHz+20MHz

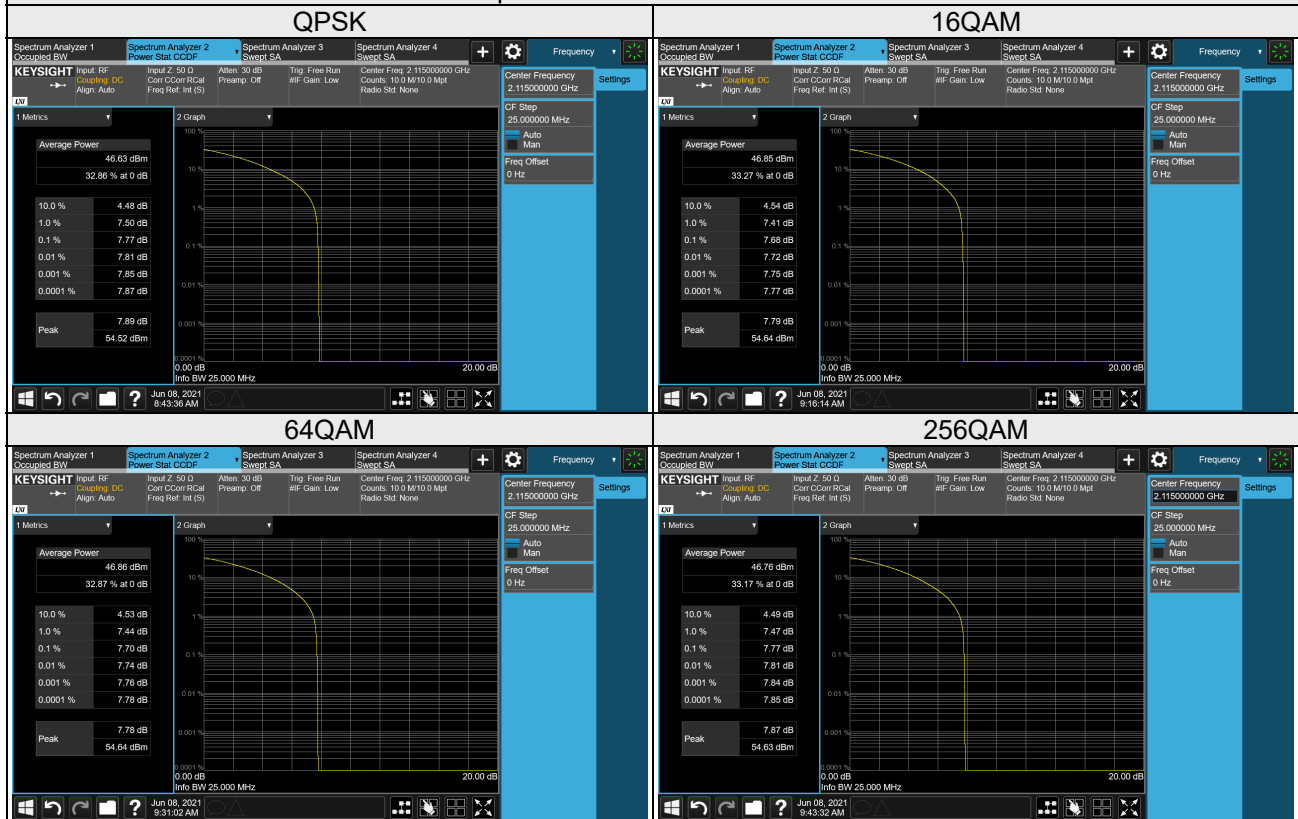
Channel Number	Freq. (MHz)	Peak-to-Average Power Ratio (dB)															
		Ant. TX0				Ant. TX1				Ant. TX2				Ant. TX3			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
424000+428000	2120.0+2140.0	7.81	7.77	7.79	7.78	7.76	7.76	7.82	7.77	7.80	7.78	7.80	7.77	7.81	7.75	7.78	7.78
429000+433000	2145.0+2165.0	7.73	7.77	7.75	7.72	7.70	7.75	7.75	7.72	7.71	7.72	7.76	7.72	7.73	7.73	7.73	7.73
434000+438000	2170.0+2190.0	7.76	7.79	7.77	7.77	7.75	7.75	7.79	7.75	7.78	7.75	7.79	7.77	7.78	7.78	7.77	7.77



5MHz+5MHz

Channel Number	Freq. (MHz)	Peak-to-Average Power Ratio (dB)															
		Ant. TX0				Ant. TX1				Ant. TX2				Ant. TX3			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
422500+ 423500	2112.5+ 2117.5	7.76	7.66	7.65	7.77	7.77	7.68	7.70	7.75	7.75	7.67	7.68	7.75	7.76	7.66	7.65	7.77
430500+ 431500	2152.5+ 2157.5	7.74	7.68	7.64	7.75	7.74	7.67	7.65	7.76	7.77	7.66	7.68	7.76	7.74	7.68	7.64	7.75
438500+ 439500	2192.5+ 2197.5	7.72	7.63	7.63	7.73	7.74	7.67	7.63	7.75	7.74	7.68	7.65	7.76	7.72	7.63	7.63	7.73

Spectrum Plot of Worst Value

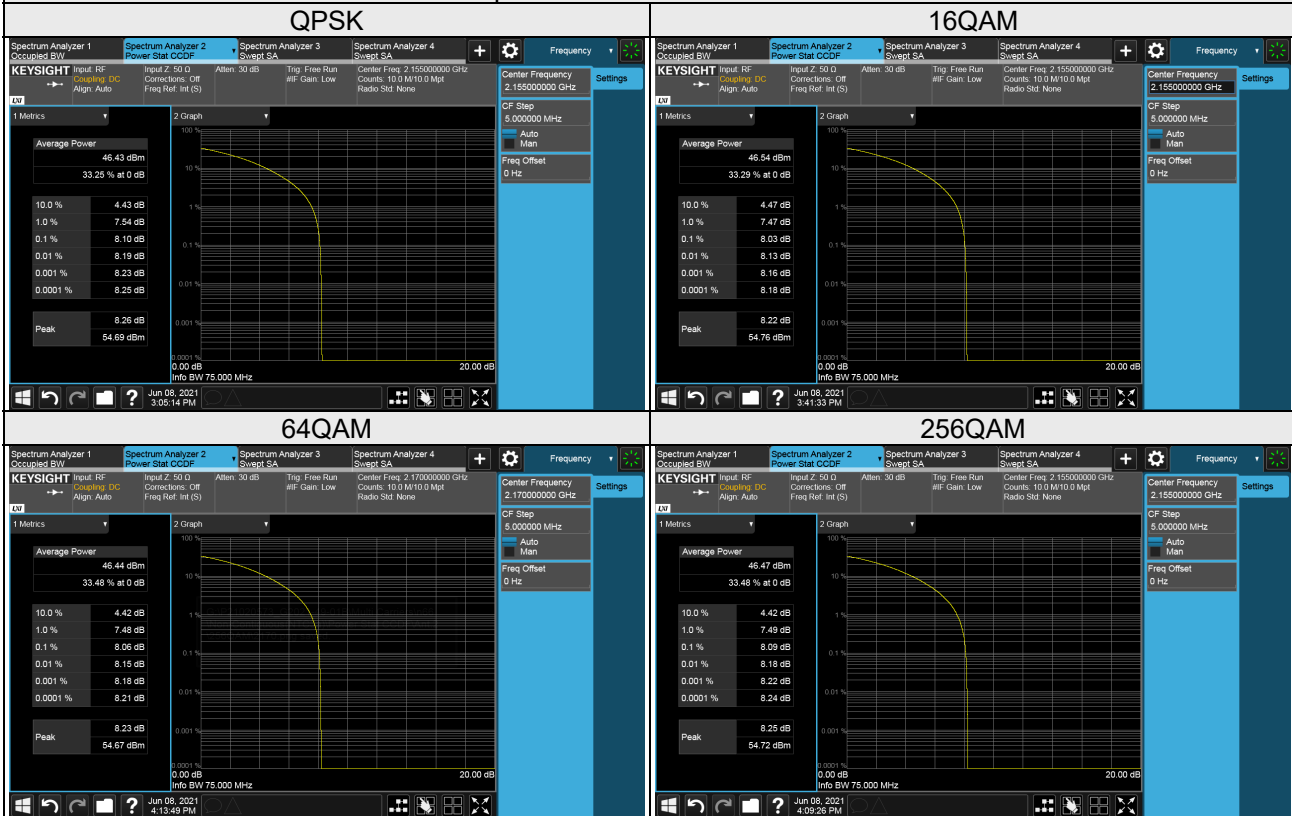


CA-NC Non-Contiguous

5MHz+5MHz

Channel Number	Freq. (MHz)	Peak-to-Average Power Ratio (dB)															
		Ant. TX0				Ant. TX1				Ant. TX2				Ant. TX3			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
422500+433500	2112.5+2167.5	8.09	7.97	7.95	8.02	8.07	7.97	7.98	8.05	8.09	8.00	7.95	8.04	8.07	8.01	7.96	8.07
425500+436500	2127.5+2182.5	8.07	8.03	7.97	8.07	8.06	8.03	7.97	8.09	8.10	8.02	7.95	8.07	8.05	8.02	7.93	8.08
428500+439500	2142.5+2197.5	8.06	8.00	7.94	8.03	8.09	7.96	7.95	8.05	8.04	8.02	8.02	8.01	8.06	7.96	8.06	8.06

Spectrum Plot of Worst Value

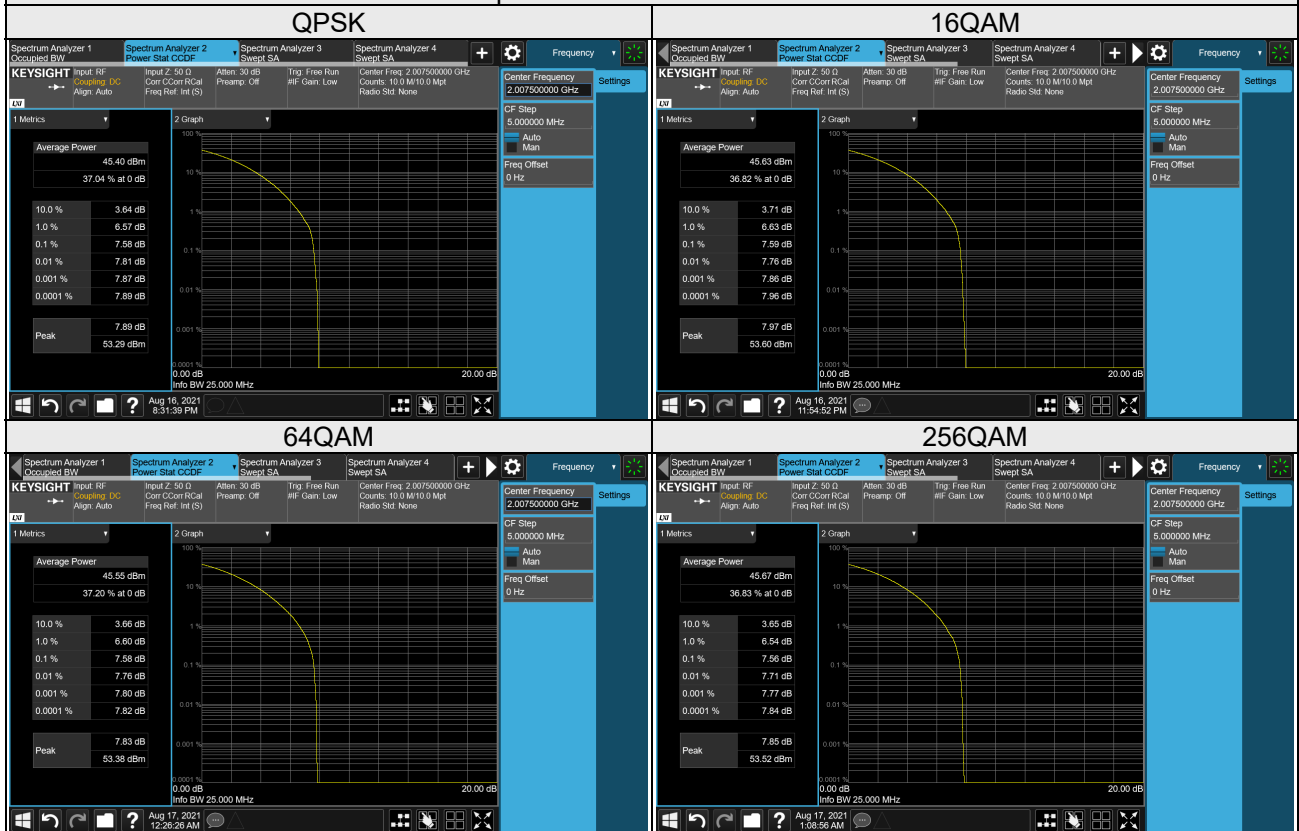


Band n70 Single Carrier

25MHz

Channel Number	Freq. (MHz)	Peak-to-Average Power Ratio (dB)															
		Ant. TX0				Ant. TX1				Ant. TX2				Ant. TX3			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
401500	2007.5	7.58	7.58	7.58	7.55	7.58	7.59	7.58	7.56	7.56	7.58	7.58	7.53	7.56	7.58	7.57	7.54

Spectrum Plot of Worst Value



CA Contiguous

5MHz+5MHz

Channel Number	Freq. (MHz)	Peak-to-Average Power Ratio (dB)															
		Ant. TX0				Ant. TX1				Ant. TX2				Ant. TX3			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
399500+400500	1997.5+2002.5	8.05	7.99	7.98	8.06	8.05	7.99	7.97	8.07	8.06	7.99	7.99	8.06	8.08	8.00	8.00	8.08
401000+402000	2005.0+2010.0	7.75	7.67	7.69	7.78	7.77	7.68	7.71	7.77	7.77	7.68	7.70	7.76	7.77	7.68	7.66	7.75
402500+403500	2012.5+2017.5	7.75	7.69	7.72	7.78	7.77	7.70	7.72	7.78	7.79	7.70	7.68	7.77	7.79	7.71	7.67	7.77

Spectrum Plot of Worst Value

