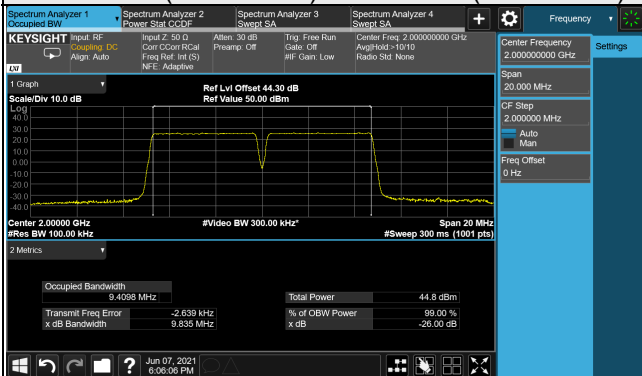
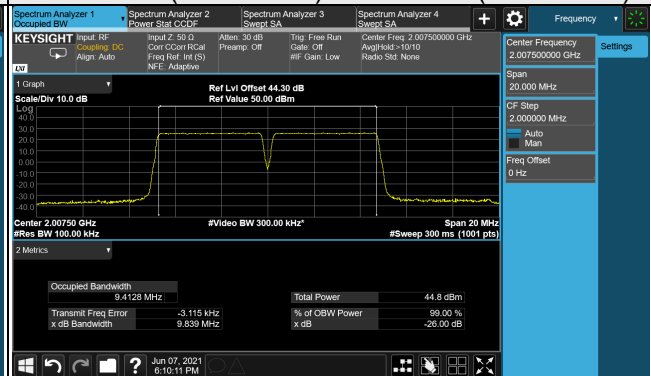


256QAM

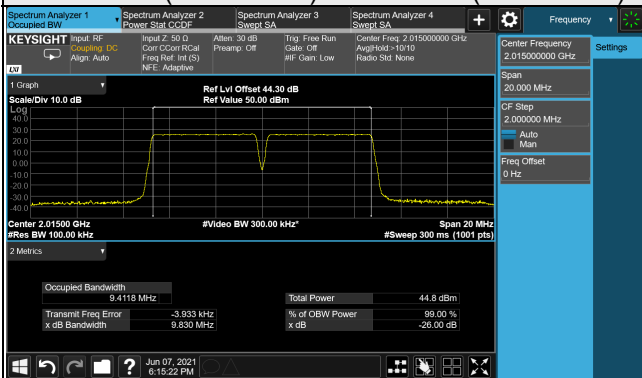
Ch 399500 (1997.5MHz)+Ch 400500 (2002.5MHz)



Ch 401000 (2005.0MHz)+Ch 402000 (2010.0MHz)



Ch 402500 (2012.5MHz)+Ch 403500 (2017.5MHz)



Ant. TX 3

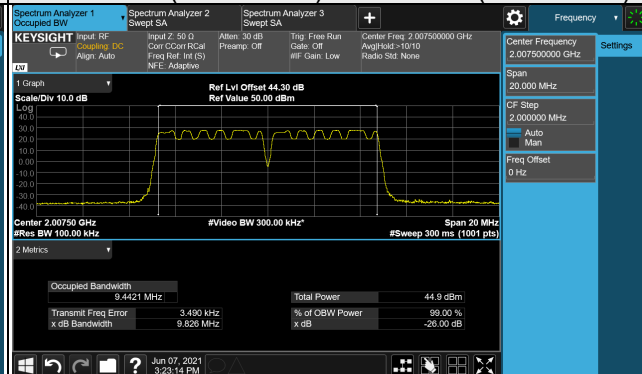
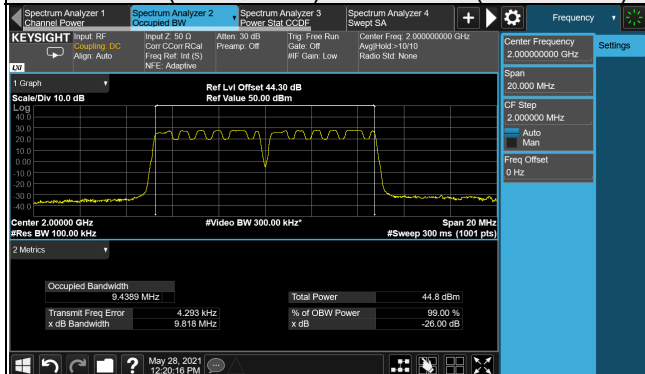
Spectrum Plot of Worst Value

-26dBc Bandwidth

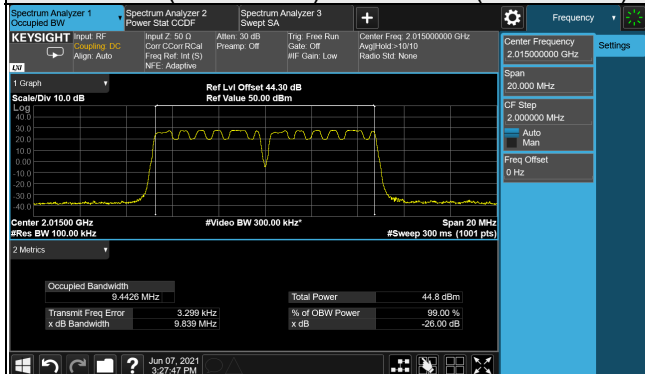
QPSK

Ch 399500 (1997.5MHz)+Ch 400500 (2002.5MHz)

Ch 401000 (2005.0MHz)+Ch 402000 (2010.0MHz)

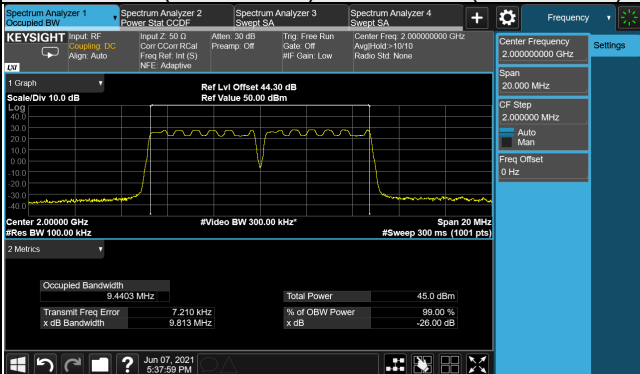


Ch 402500 (2012.5MHz)+Ch 403500 (2017.5MHz)

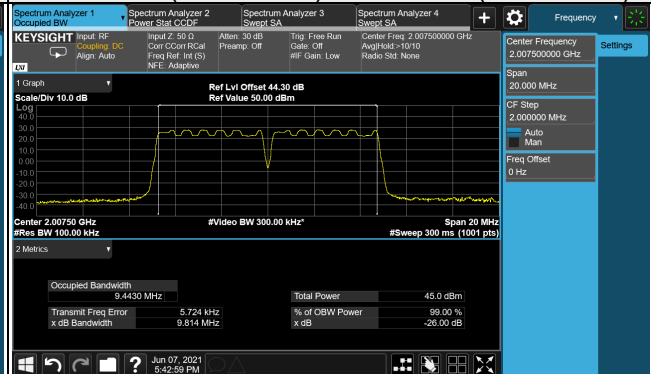


16QAM

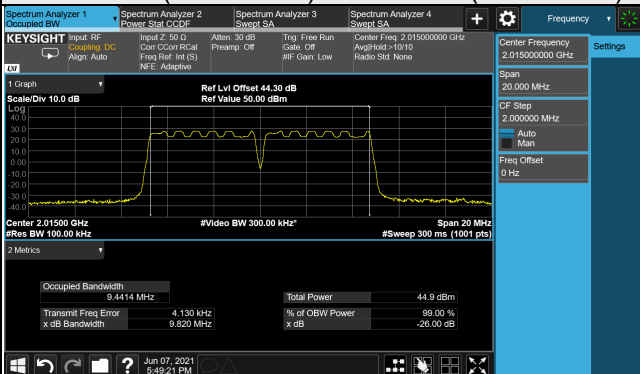
Ch 399500 (1997.5MHz)+Ch 400500 (2002.5MHz)



Ch 401000 (2005.0MHz)+Ch 402000 (2010.0MHz)

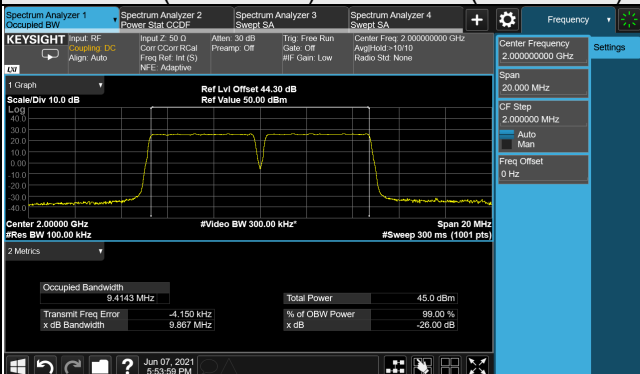


Ch 402500 (2012.5MHz)+Ch 403500 (2017.5MHz)

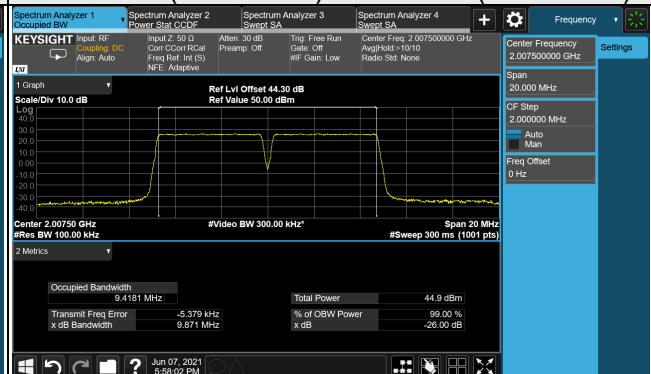


64QAM

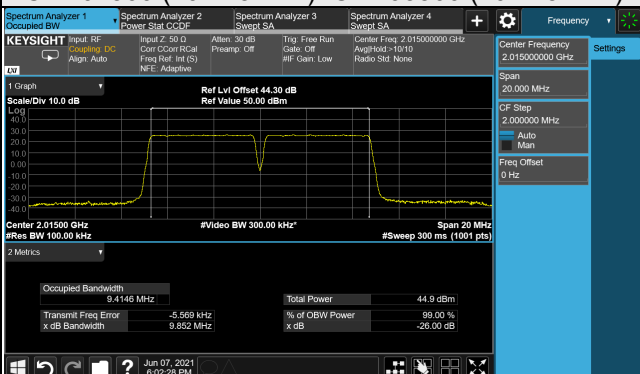
Ch 399500 (1997.5MHz)+Ch 400500 (2002.5MHz)



Ch 401000 (2005.0MHz)+Ch 402000 (2010.0MHz)

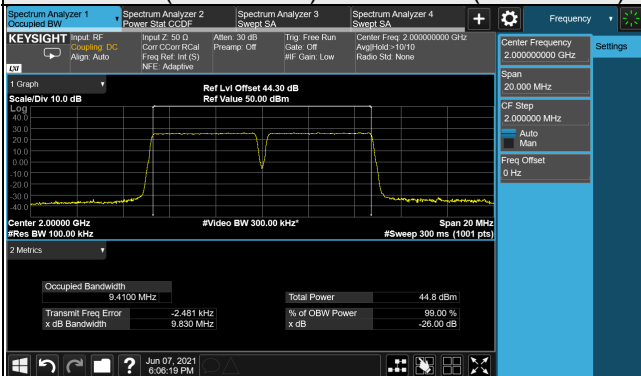


Ch 402500 (2012.5MHz)+Ch 403500 (2017.5MHz)

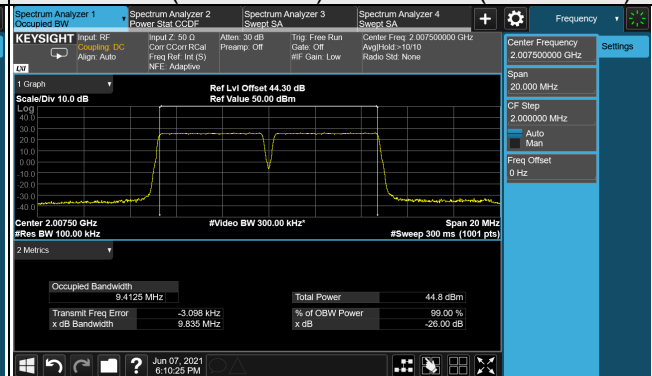


256QAM

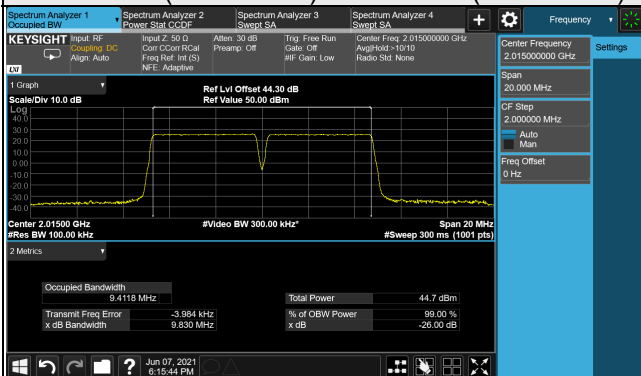
Ch 399500 (1997.5MHz)+Ch 400500 (2002.5MHz)



Ch 401000 (2005.0MHz)+Ch 402000 (2010.0MHz)



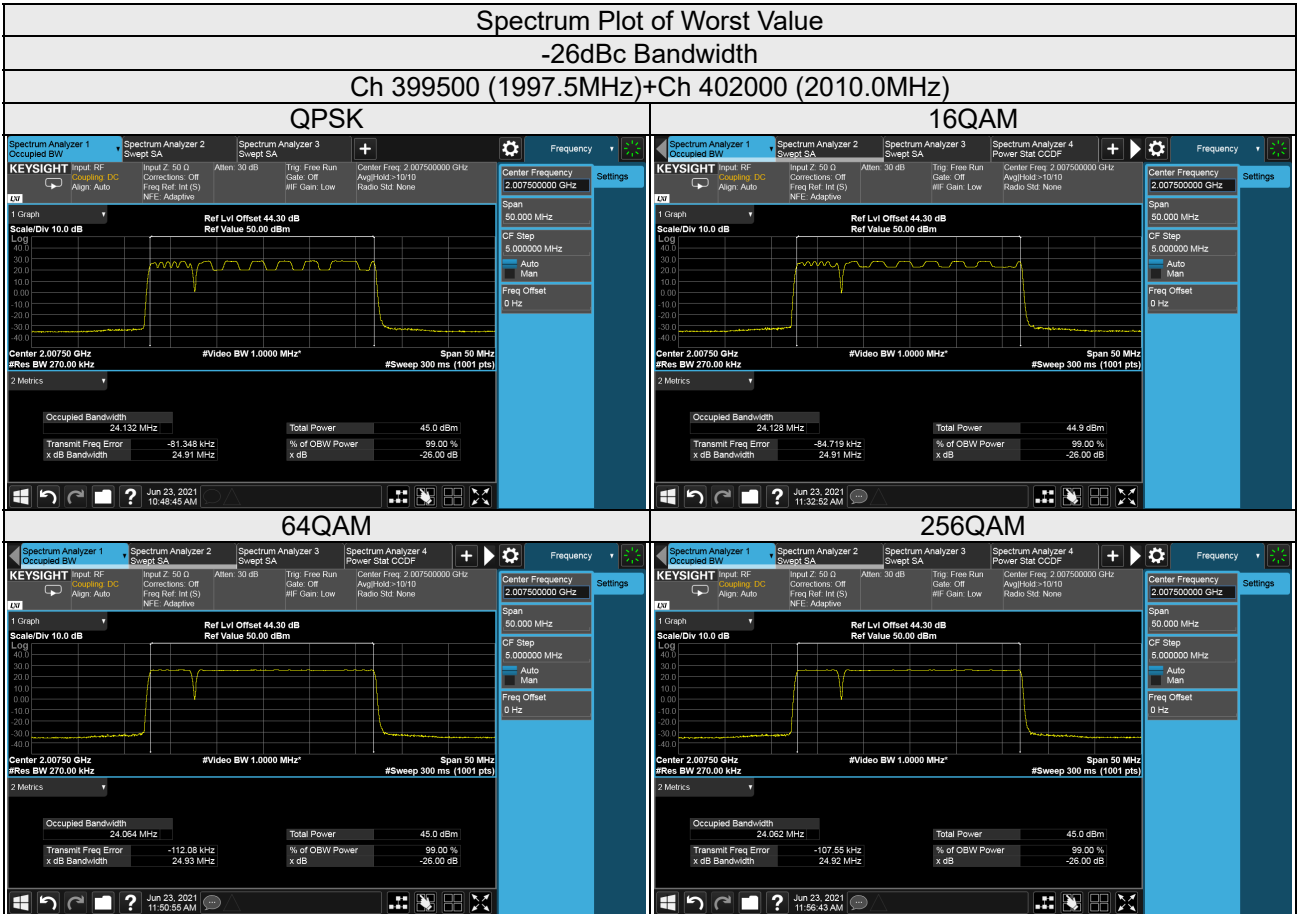
Ch 402500 (2012.5MHz)+Ch 403500 (2017.5MHz)



5MHz+20MHz

Channel Number	Freq. (MHz)	-26dB Bandwidth (MHz)															
		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+402000	1997.5+2010.0	24.91	24.91	24.93	24.92	24.91	24.91	24.93	24.92	24.91	24.91	24.93	24.92	24.91	24.91	24.93	24.92

Ant. TX 0



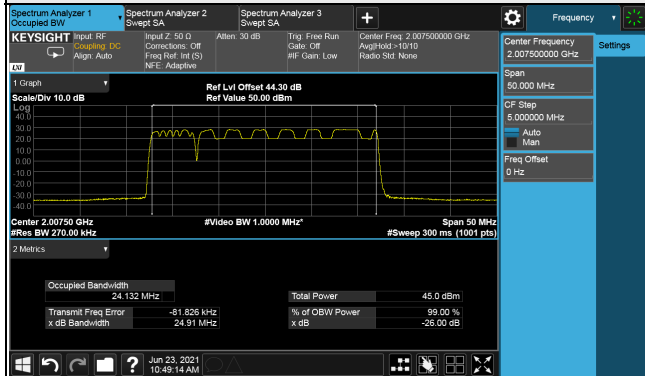
Ant. TX 1

Spectrum Plot of Worst Value

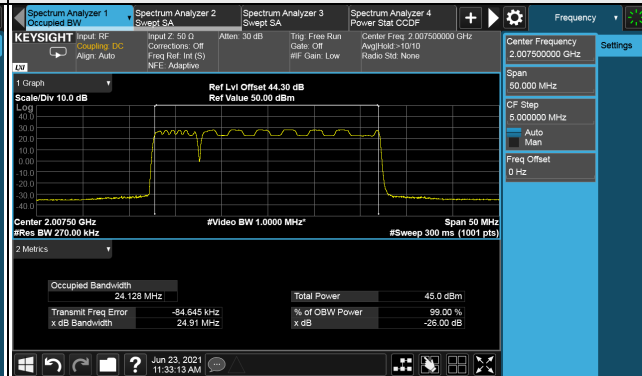
-26dBc Bandwidth

Ch 399500 (1997.5MHz)+Ch 402000 (2010.0MHz)

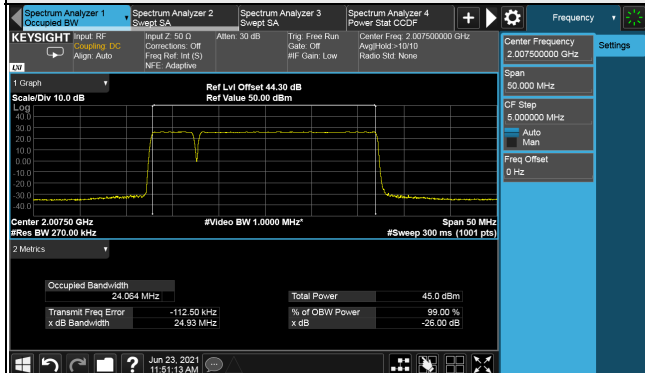
QPSK



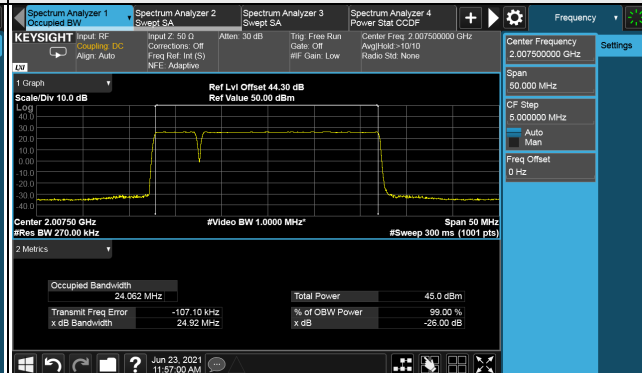
16QAM



64QAM



256QAM



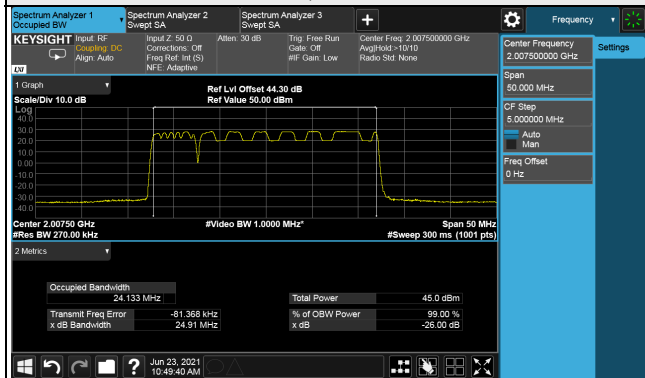
Ant. TX 2

Spectrum Plot of Worst Value

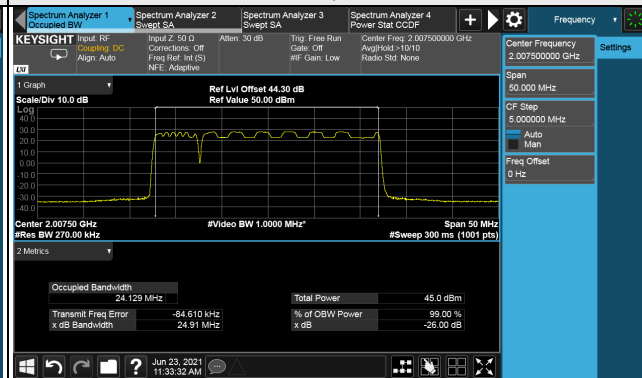
-26dBc Bandwidth

Ch 399500 (1997.5MHz)+Ch 402000 (2010.0MHz)

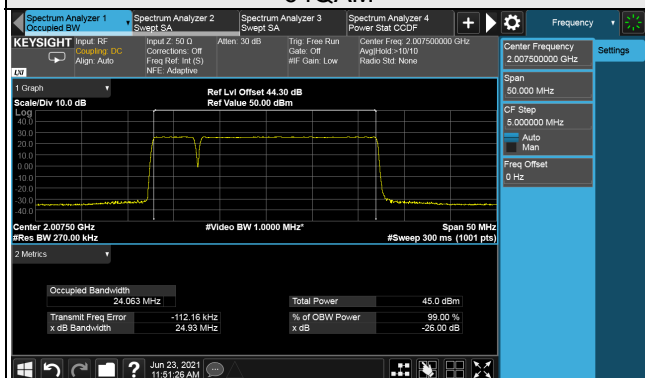
QPSK



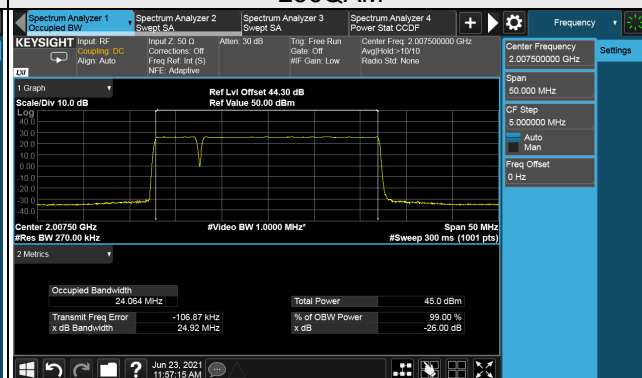
16QAM



64QAM



256QAM



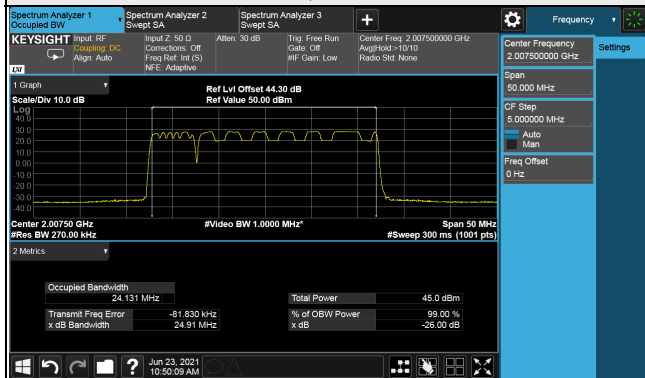
Ant. TX 3

Spectrum Plot of Worst Value

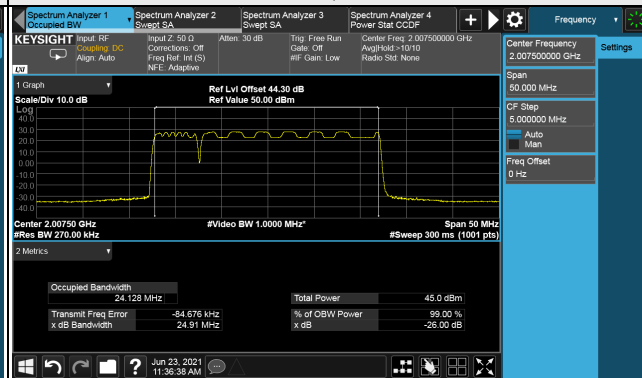
-26dBc Bandwidth

Ch 399500 (1997.5MHz)+Ch 402000 (2010.0MHz)

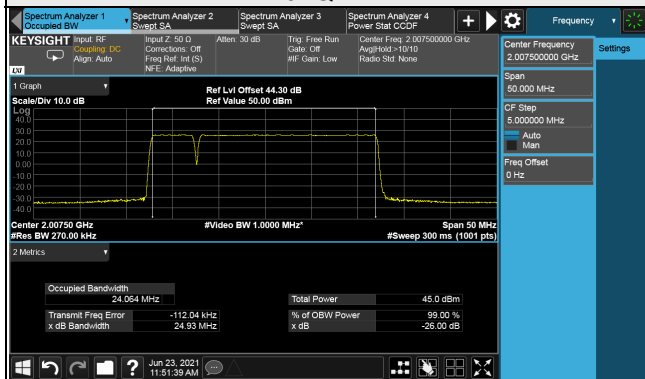
QPSK



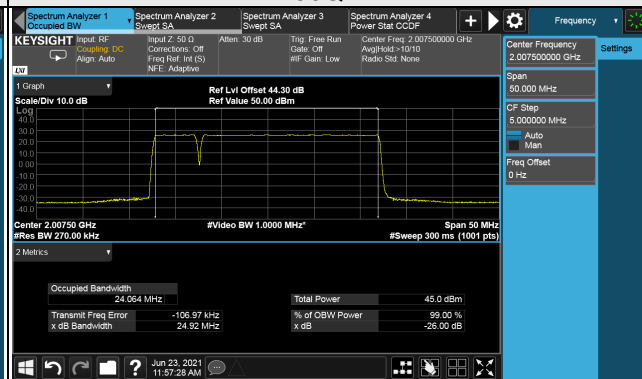
16QAM



64QAM



256QAM



20MHz+5MHz

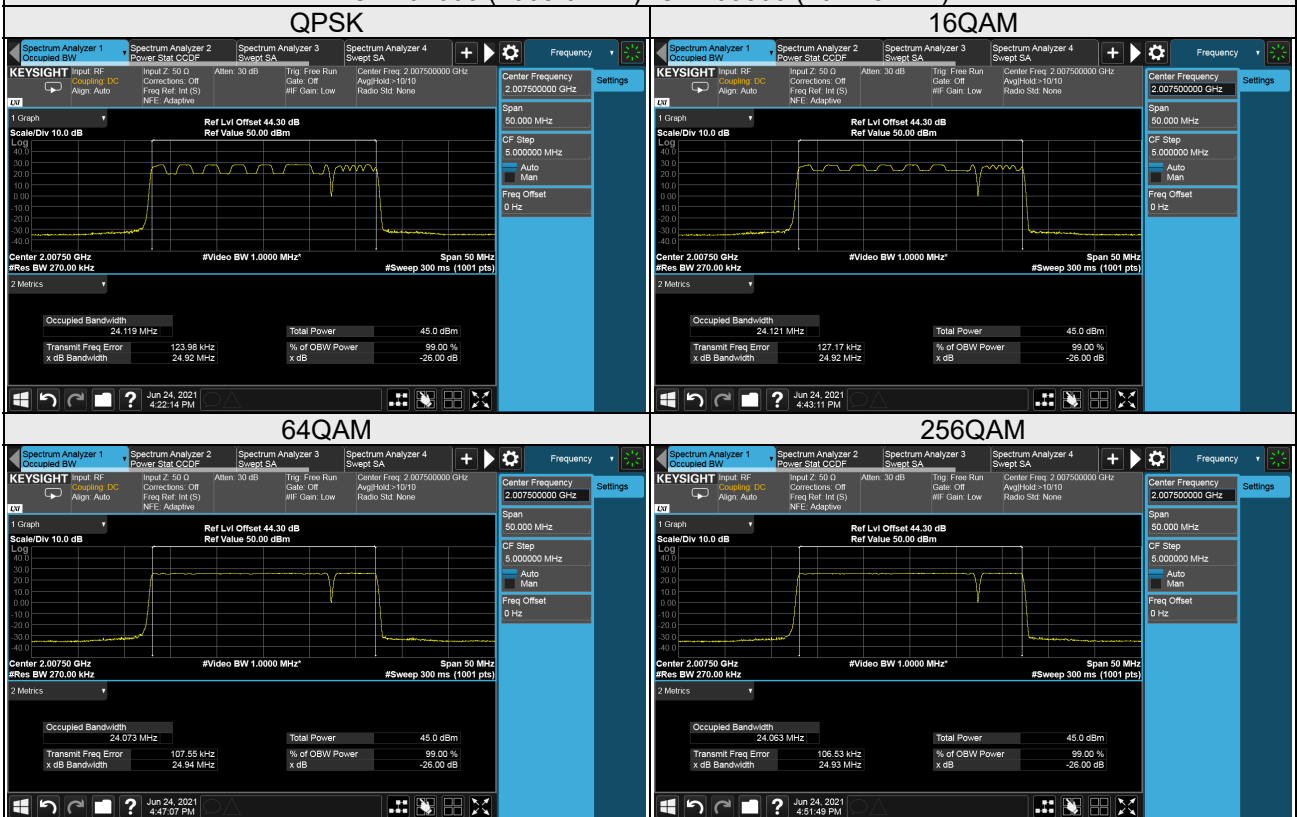
Channel Number	Freq. (MHz)	-26dB Bandwidth (MHz)															
		Ant. TX0				Ant. TX1				Ant. TX2				Ant. TX3			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
401000+403500	2005.0+2017.5	24.92	24.92	24.94	24.93	24.91	24.92	24.94	24.93	24.91	24.92	24.94	24.93	24.92	24.92	24.94	24.93

Ant. TX 0

Spectrum Plot of Worst Value

-26dBc Bandwidth

Ch 401000 (2005.0MHz)+Ch 403500 (2017.5MHz)



Ant. TX 1

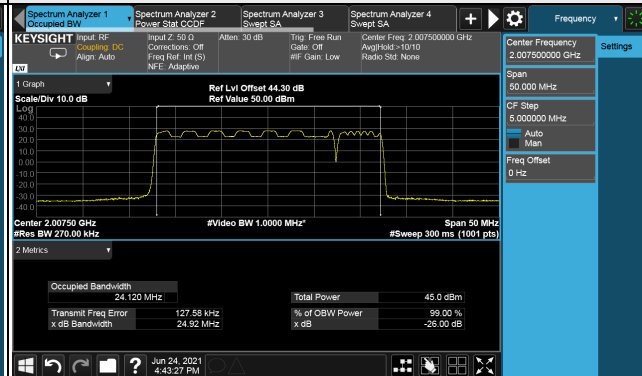
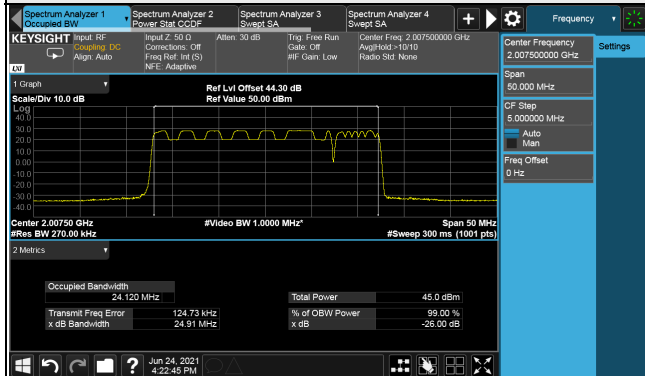
Spectrum Plot of Worst Value

-26dBc Bandwidth

Ch 401000 (2005.0MHz)+Ch 403500 (2017.5MHz)

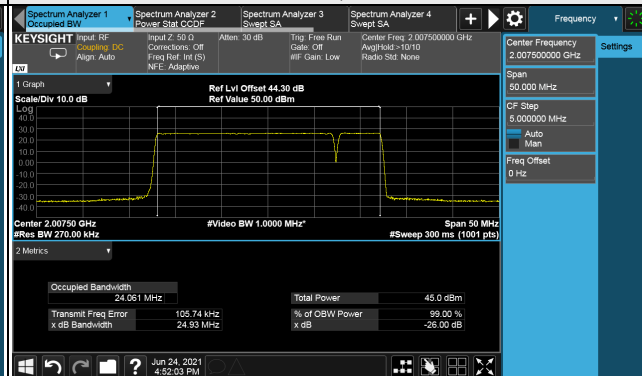
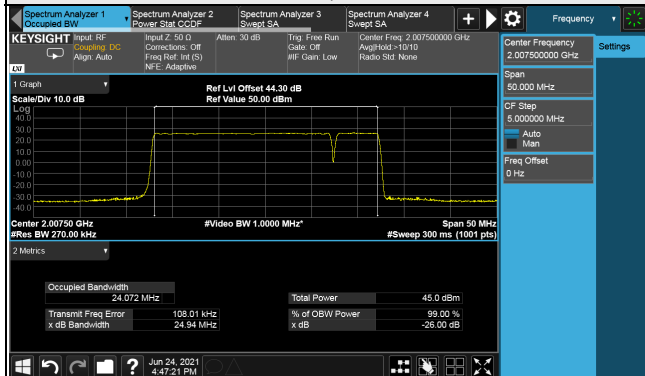
QPSK

16QAM



64QAM

256QAM



Ant. TX 2

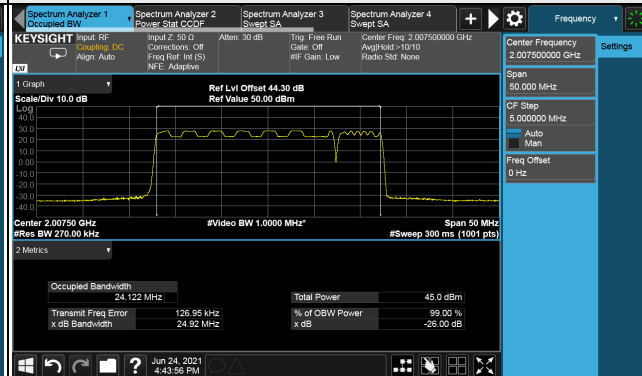
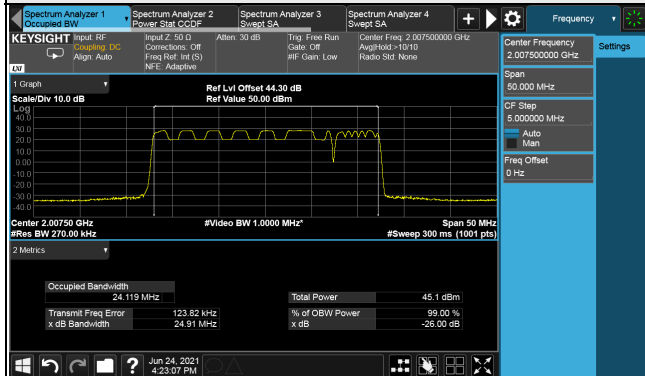
Spectrum Plot of Worst Value

-26dBc Bandwidth

Ch 401000 (2005.0MHz)+Ch 403500 (2017.5MHz)

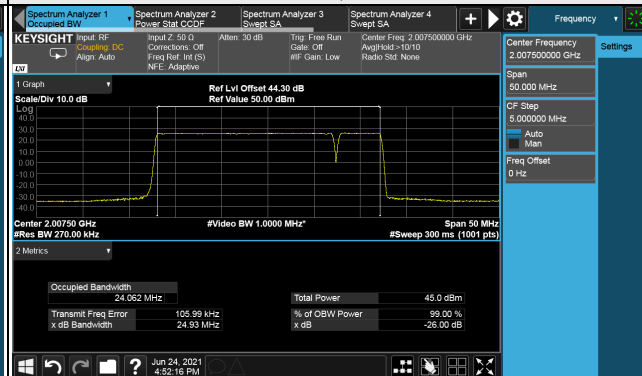
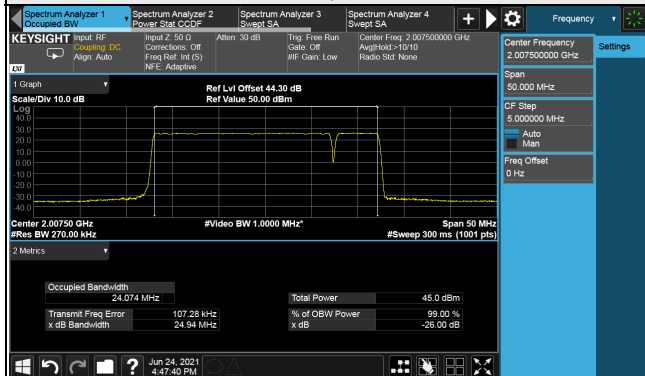
QPSK

16QAM



64QAM

256QAM



Ant. TX 3

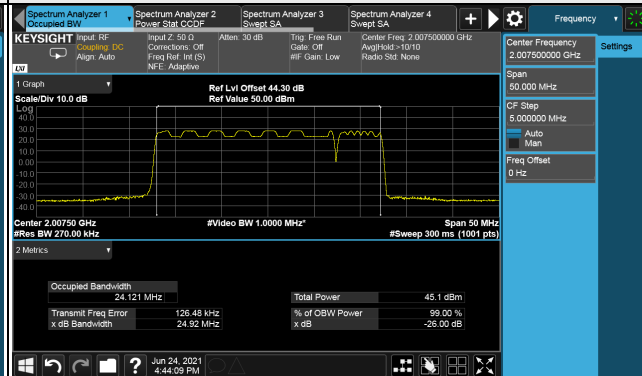
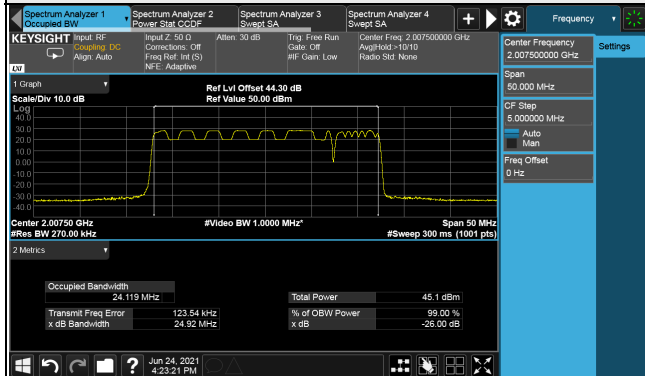
Spectrum Plot of Worst Value

-26dBc Bandwidth

Ch 401000 (2005.0MHz)+Ch 403500 (2017.5MHz)

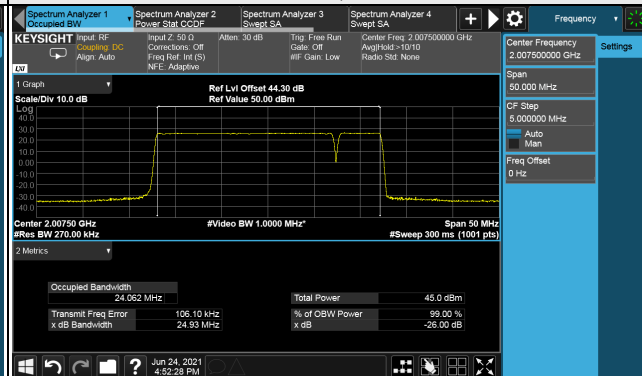
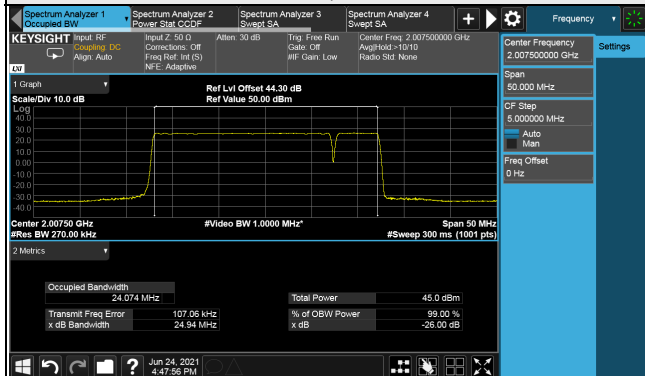
QPSK

16QAM



64QAM

256QAM



CA-NC Non-Contiguous

5MHz+5MHz

Channel Number	Freq. (MHz)	-26dB Bandwidth (MHz)															
		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+403500	1997.5	4.82	4.79	4.84	4.81	4.81	4.78	4.84	4.81	4.82	4.79	4.83	4.81	4.81	4.80	4.84	4.81
	2017.5	4.82	4.79	4.84	4.83	4.82	4.78	4.83	4.83	4.82	4.79	4.84	4.83	4.81	4.79	4.84	4.83

Ant. TX 0

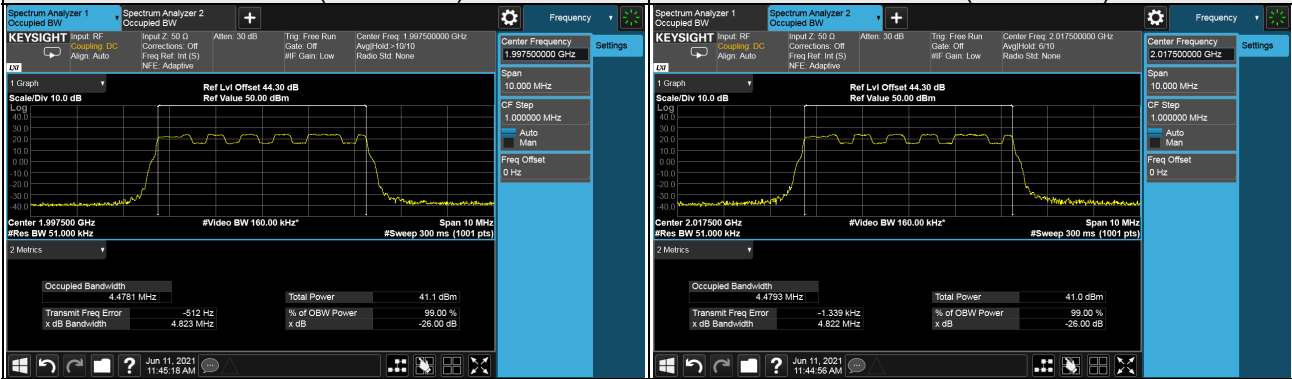
Spectrum Plot of Worst Value

-26dBc Bandwidth

QPSK

Ch 399500 (1997.5MHz)

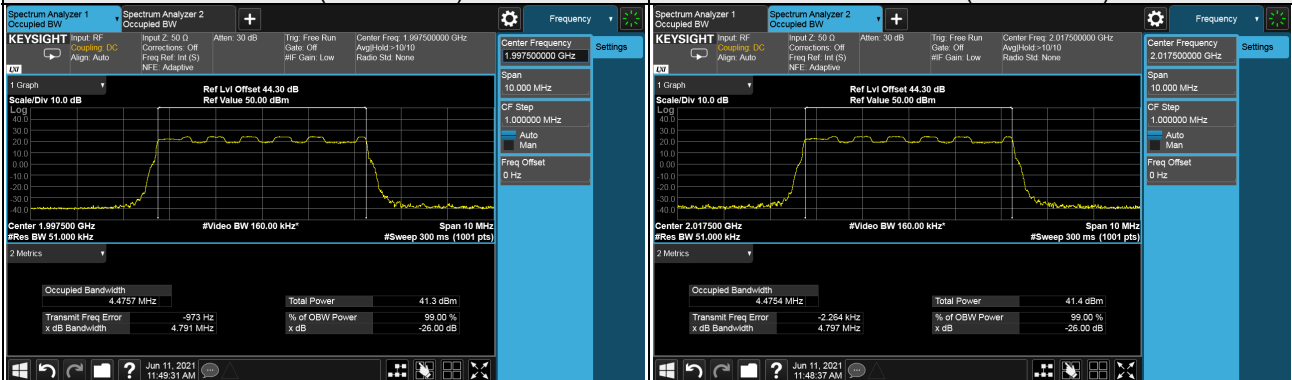
Ch 403500 (2017.5MHz)



16QAM

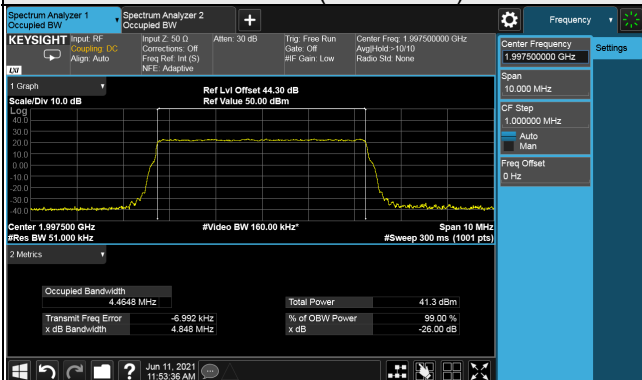
Ch 399500 (1997.5MHz)

Ch 403500 (2017.5MHz)

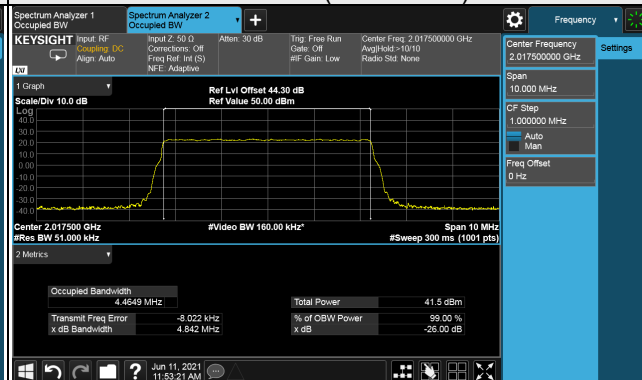


64QAM

Ch 399500 (1997.5MHz)

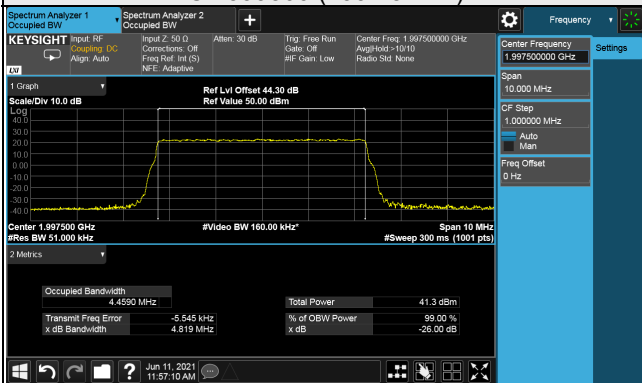


Ch 403500 (2017.5MHz)

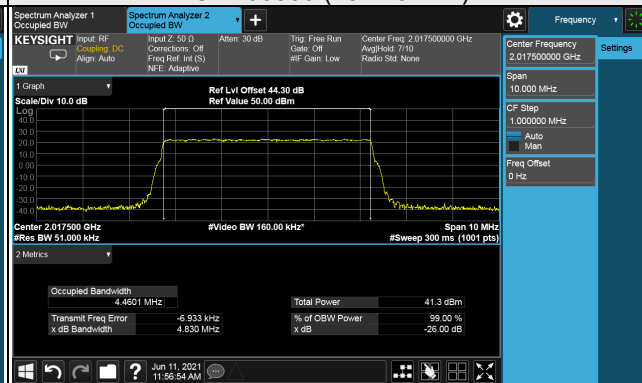


256QAM

Ch 399500 (1997.5MHz)



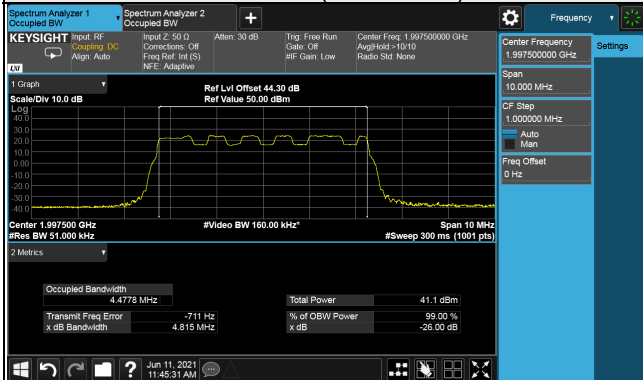
Ch 403500 (2017.5MHz)



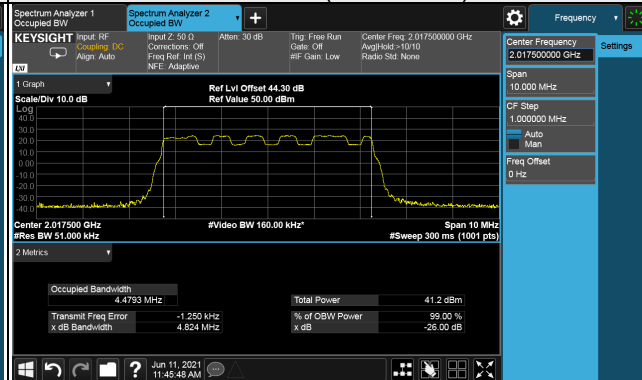
Ant. TX 1

Spectrum Plot of Worst Value
-26dBc Bandwidth
QPSK

Ch 399500 (1997.5MHz)

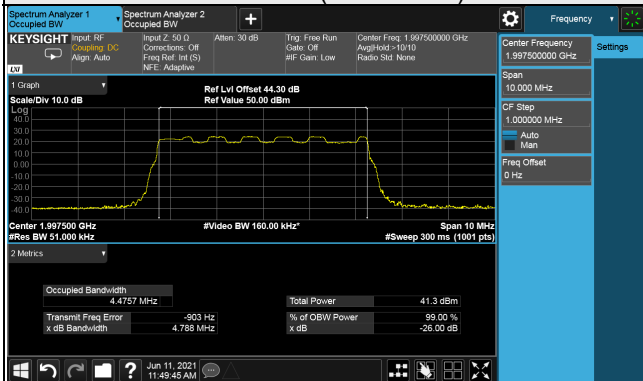


Ch 403500 (2017.5MHz)

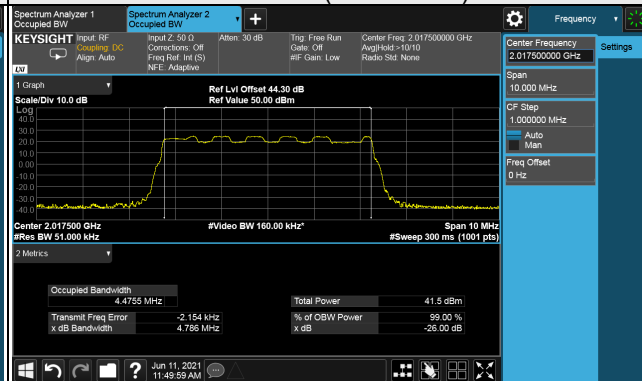


16QAM

Ch 399500 (1997.5MHz)

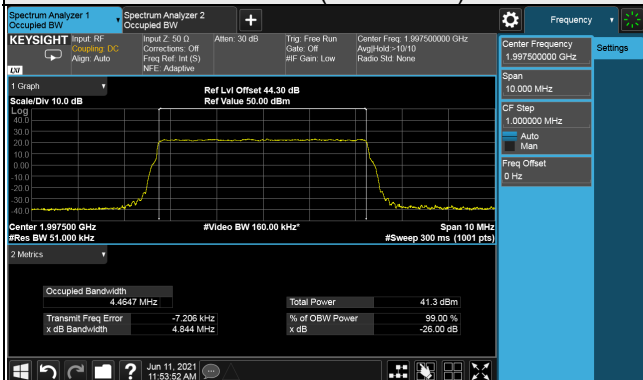


Ch 403500 (2017.5MHz)

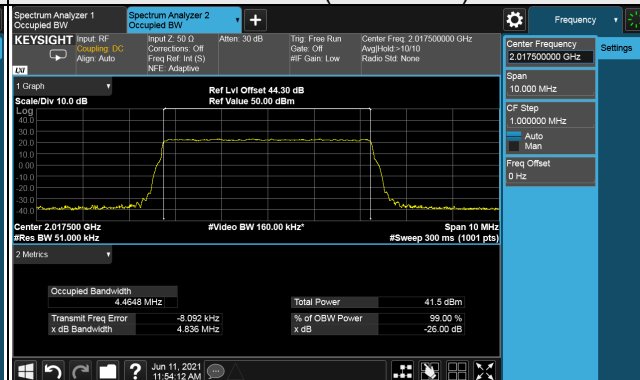


64QAM

Ch 399500 (1997.5MHz)

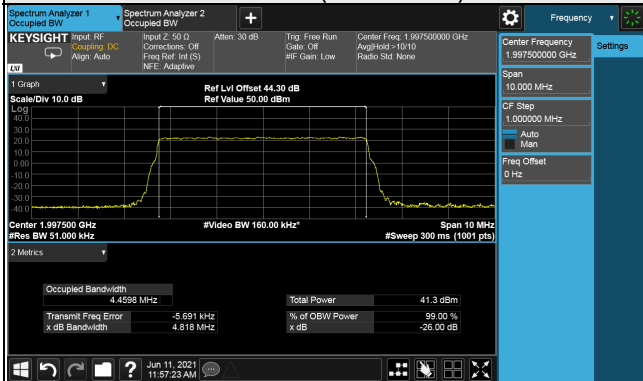


Ch 403500 (2017.5MHz)

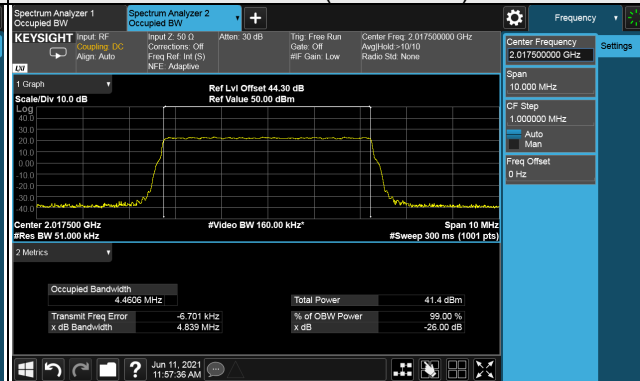


256QAM

Ch 399500 (1997.5MHz)

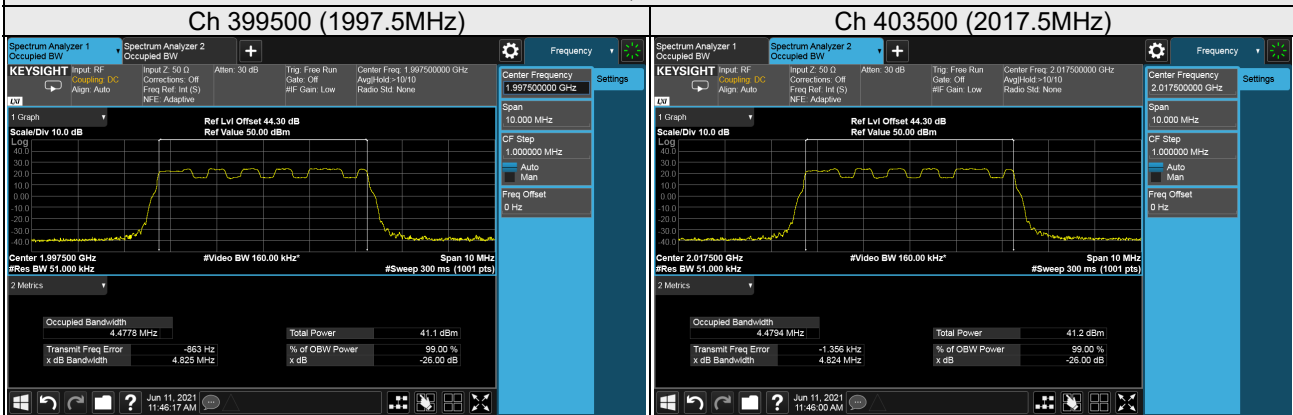


Ch 403500 (2017.5MHz)

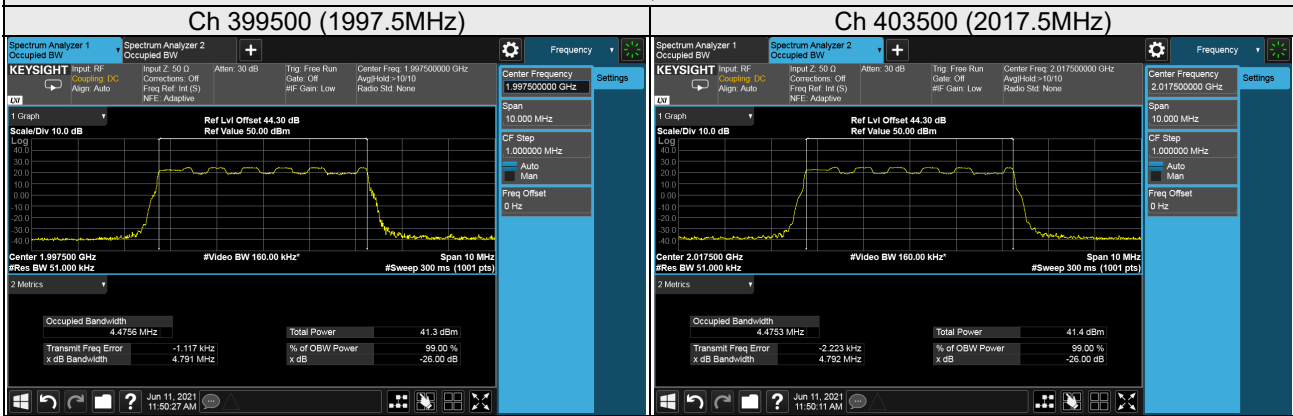


Ant. TX 2

Spectrum Plot of Worst Value
-26dBc Bandwidth
QPSK

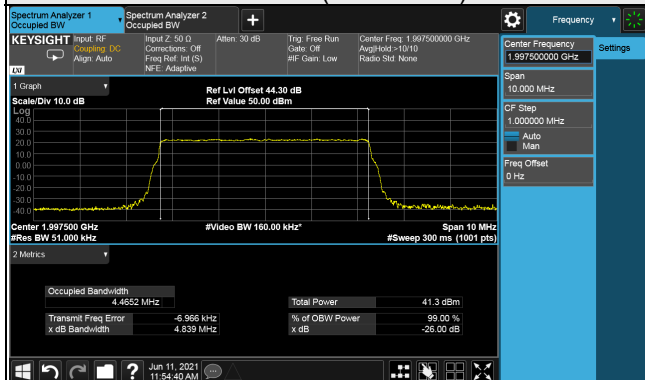


16QAM

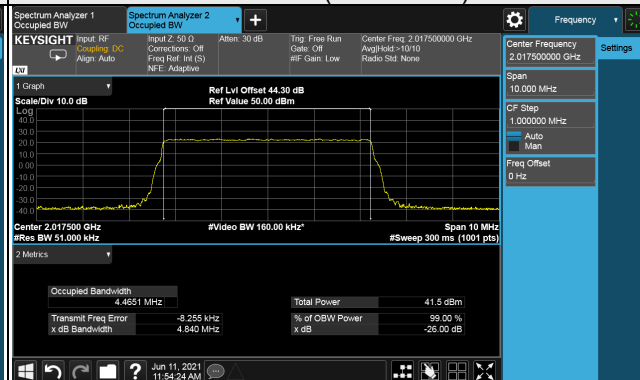


64QAM

Ch 399500 (1997.5MHz)

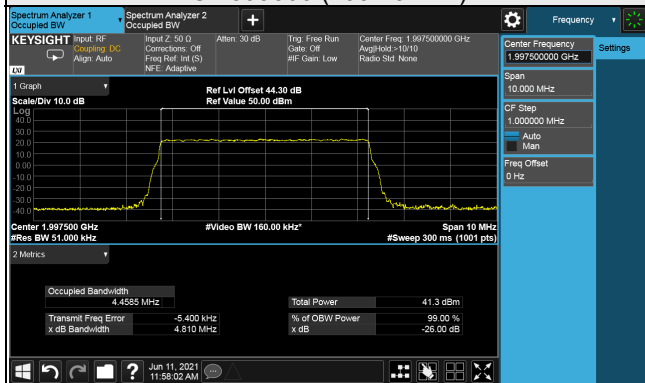


Ch 403500 (2017.5MHz)

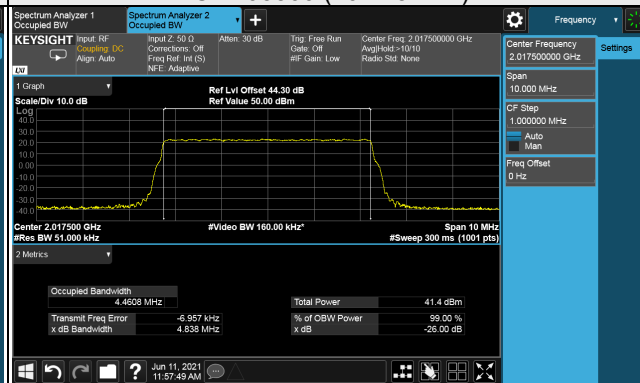


256QAM

Ch 399500 (1997.5MHz)



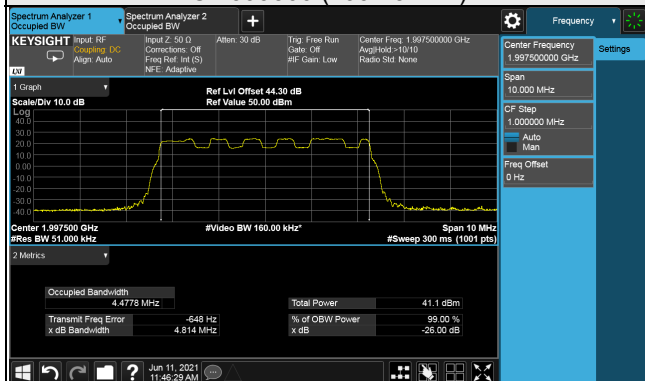
Ch 403500 (2017.5MHz)



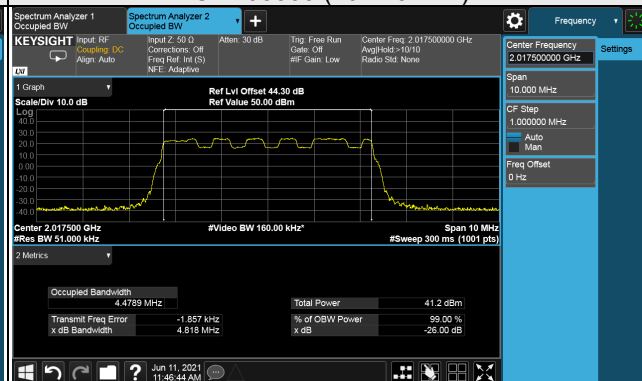
Ant. TX 3

Spectrum Plot of Worst Value
-26dBc Bandwidth
QPSK

Ch 399500 (1997.5MHz)

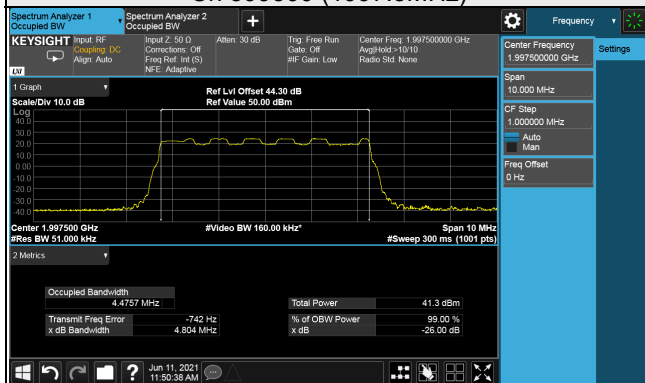


Ch 403500 (2017.5MHz)

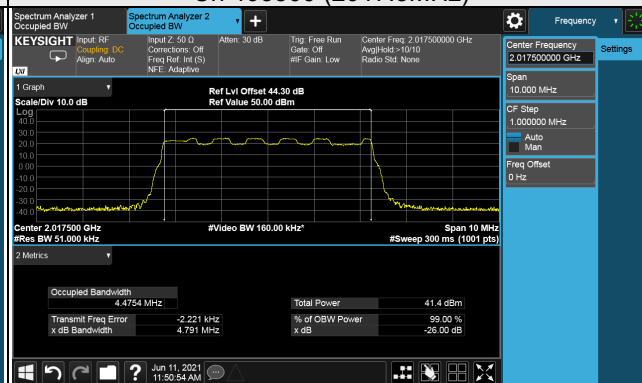


16QAM

Ch 399500 (1997.5MHz)

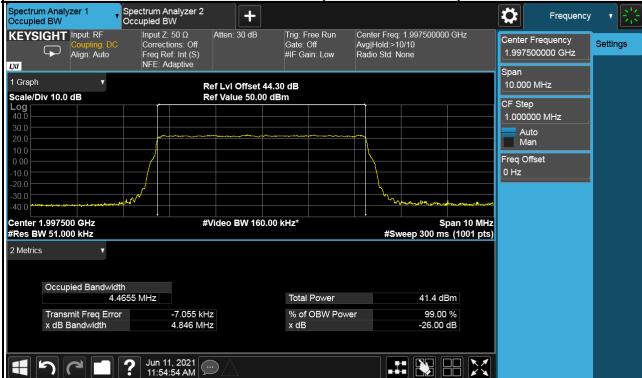


Ch 403500 (2017.5MHz)

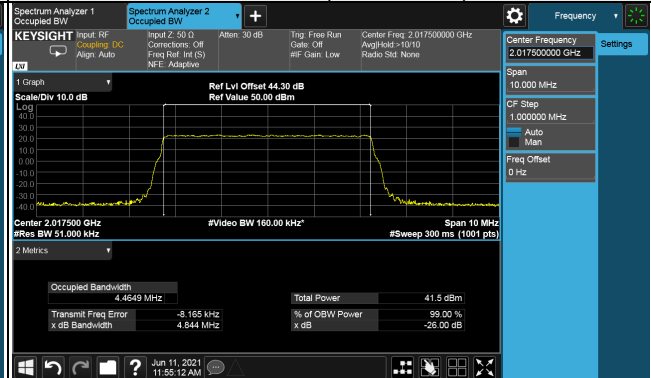


64QAM

Ch 399500 (1997.5MHz)

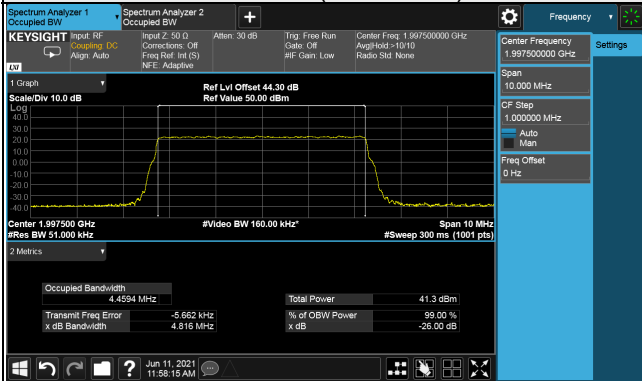


Ch 403500 (2017.5MHz)

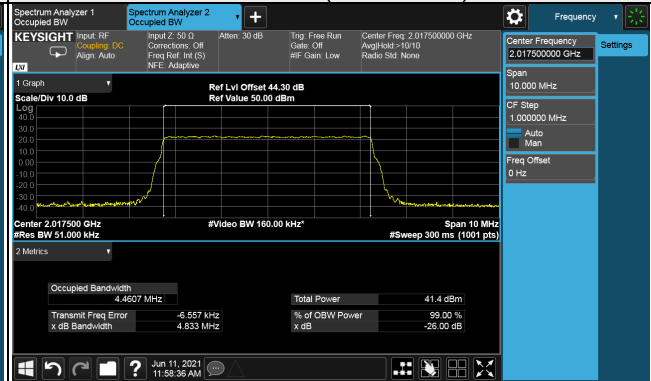


256QAM

Ch 399500 (1997.5MHz)



Ch 403500 (2017.5MHz)



4.4.5 Test Results (Occupied Bandwidth)

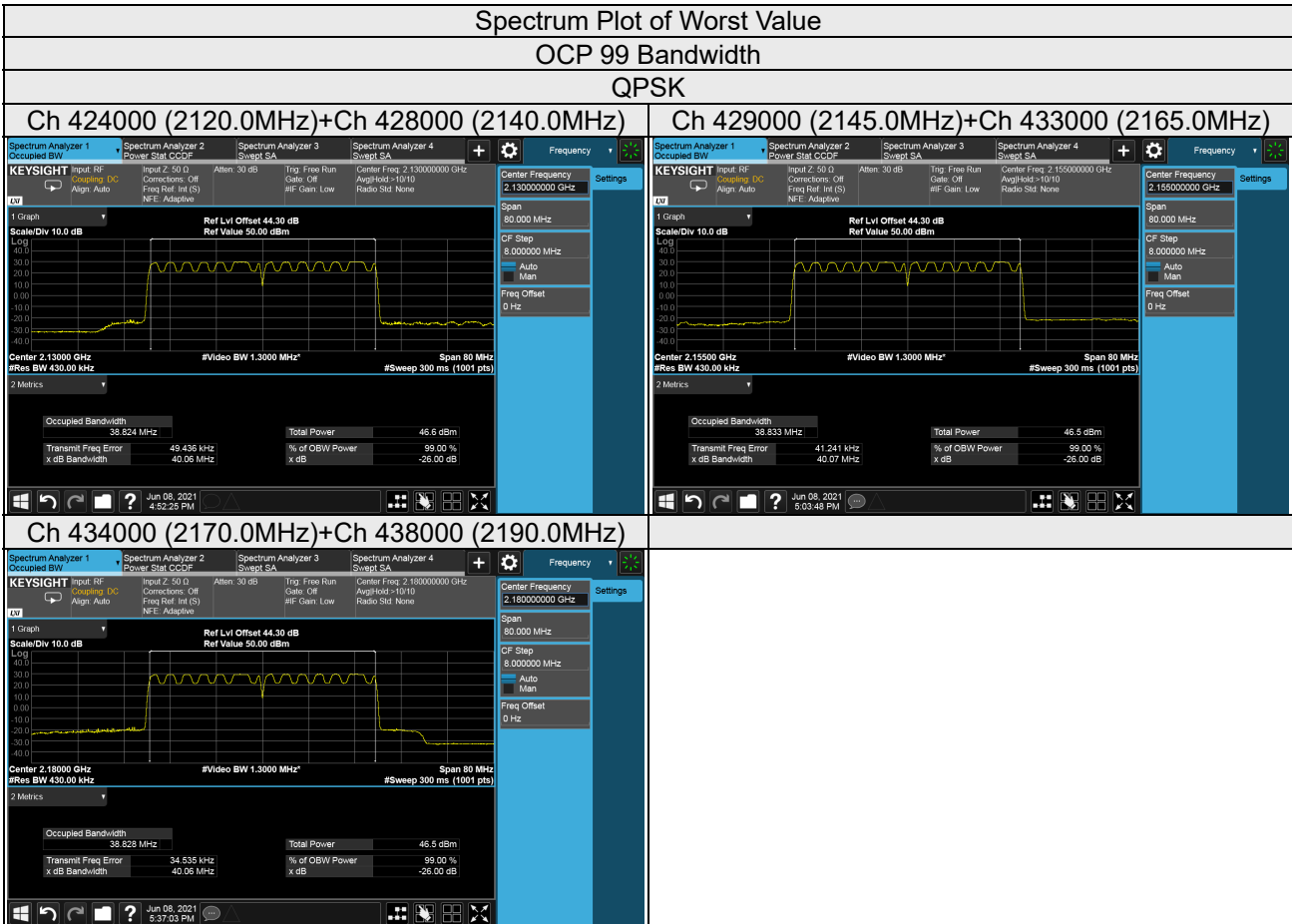
Band n66

CA Contiguous

20MHz+20MHz

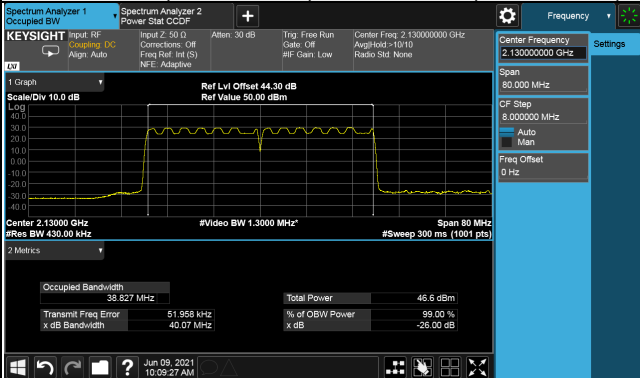
Channel Number	Freq. (MHz)	OCP 99 Bandwidth (MHz)															
		Ant. TX0				Ant. TX1				Ant. TX2				Ant. TX3			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
424000+428000	2120.0+2140.0	38.82	38.83	38.75	38.73	38.83	38.83	38.75	38.73	38.83	38.83	38.75	38.73	38.83	38.83	38.75	38.73
429000+433000	2145.0+2165.0	38.83	38.83	38.75	38.74	38.83	38.83	38.75	38.74	38.83	38.83	38.75	38.74	38.83	38.83	38.75	38.74
434000+438000	2170.0+2190.0	38.83	38.83	38.74	38.74	38.83	38.83	38.74	38.74	38.83	38.83	38.74	38.74	38.83	38.83	38.74	38.74

Ant. TX 0

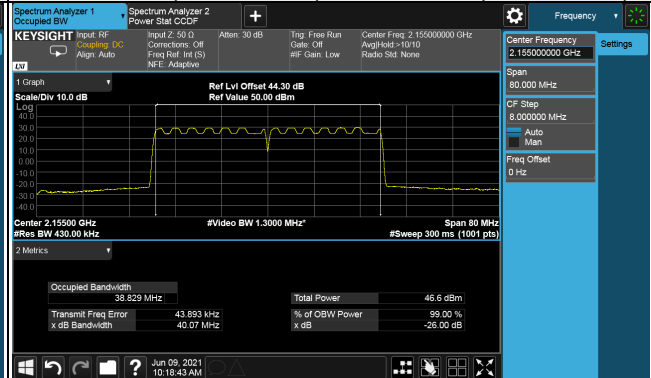


16QAM

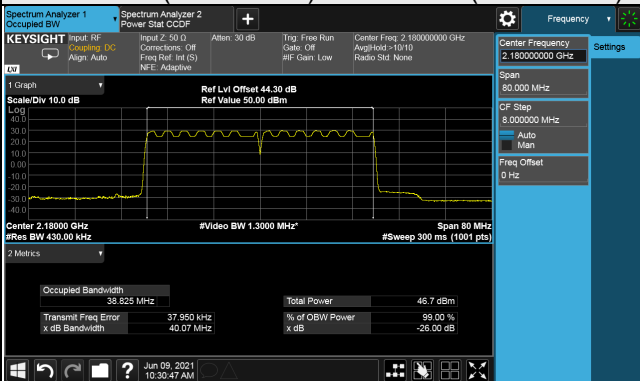
Ch 424000 (2120.0MHz)+Ch 428000 (2140.0MHz)



Ch 429000 (2145.0MHz)+Ch 433000 (2165.0MHz)

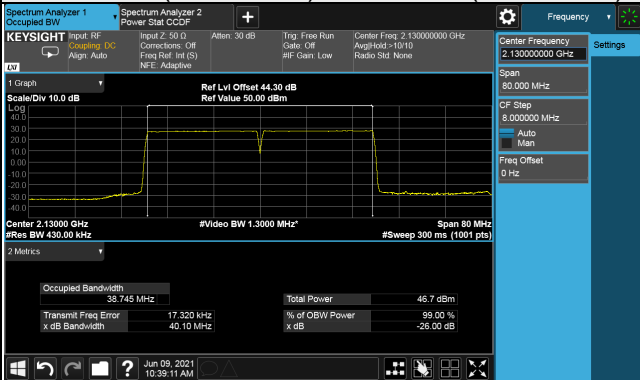


Ch 434000 (2170.0MHz)+Ch 438000 (2190.0MHz)

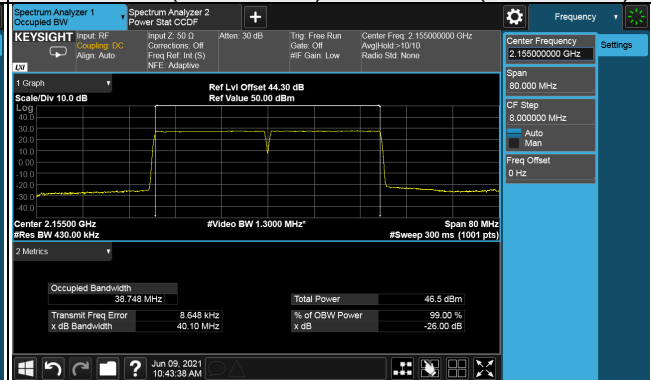


64QAM

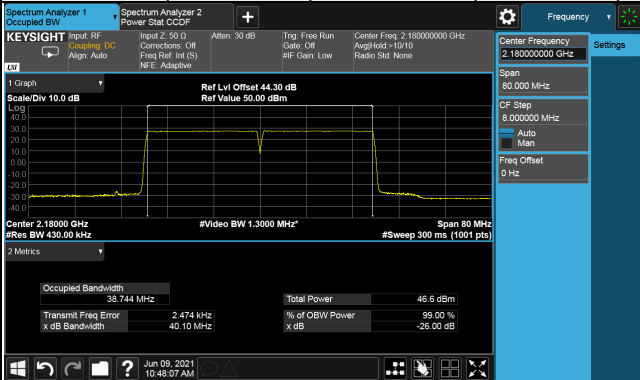
Ch 424000 (2120.0MHz)+Ch 428000 (2140.0MHz)



Ch 429000 (2145.0MHz)+Ch 433000 (2165.0MHz)

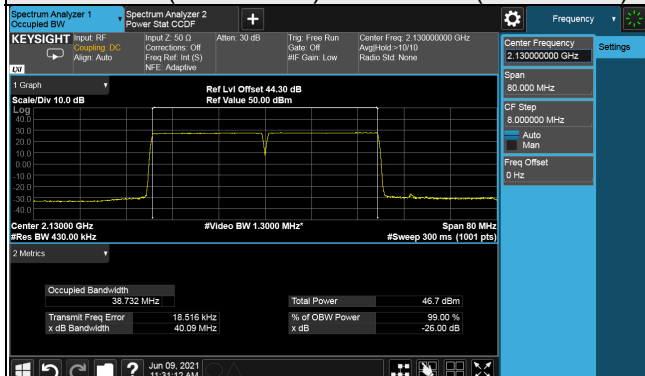


Ch 434000 (2170.0MHz)+Ch 438000 (2190.0MHz)

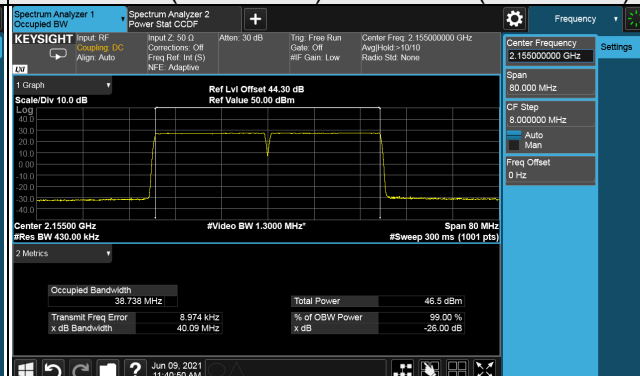


256QAM

Ch 424000 (2120.0MHz)+Ch 428000 (2140.0MHz)



Ch 429000 (2145.0MHz)+Ch 433000 (2165.0MHz)



Ch 434000 (2170.0MHz)+Ch 438000 (2190.0MHz)

