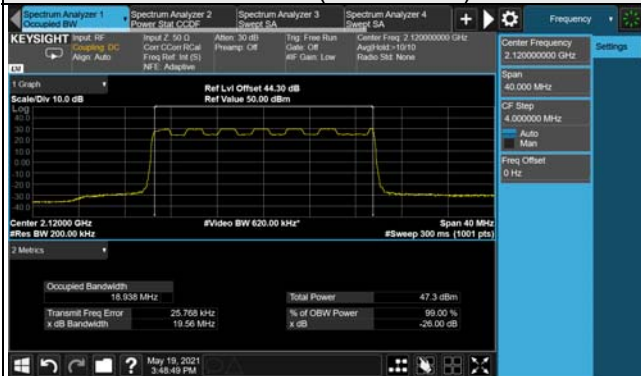
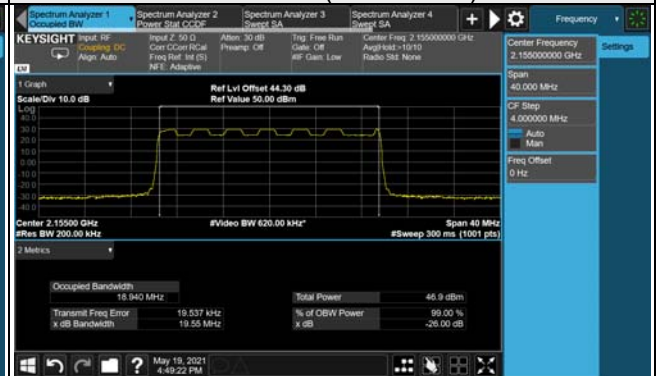


16QAM

Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)



Ch 438000 (2190.0MHz)

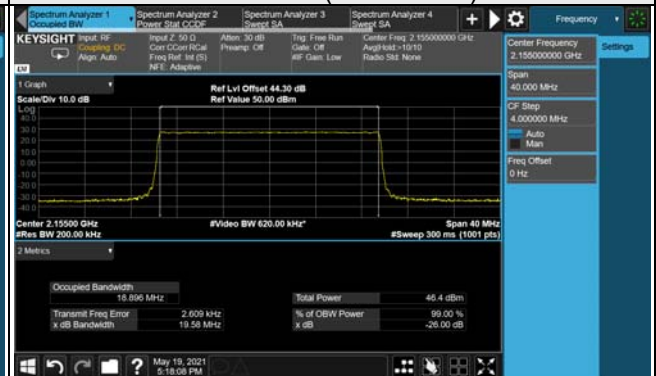


64QAM

Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)

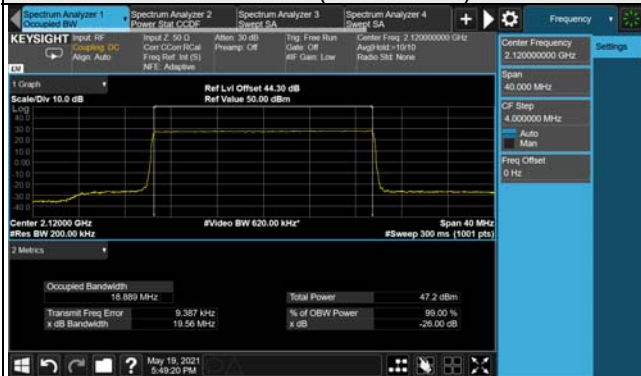


Ch 438000 (2190.0MHz)



256QAM

Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)



Ch 438000 (2190.0MHz)



Ant. TX 2

Spectrum Plot of Worst Value

-26dBc Bandwidth

QPSK

Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)

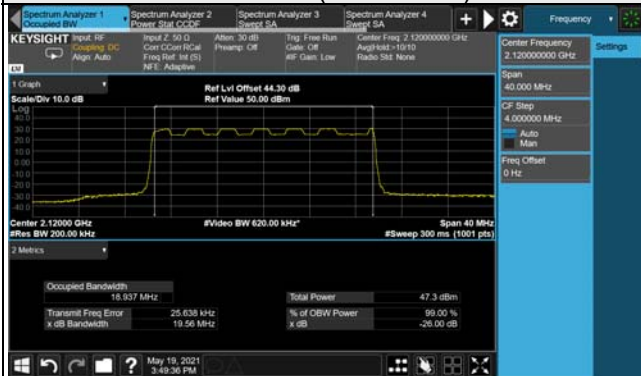


Ch 438000 (2190.0MHz)



16QAM

Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)



Ch 438000 (2190.0MHz)

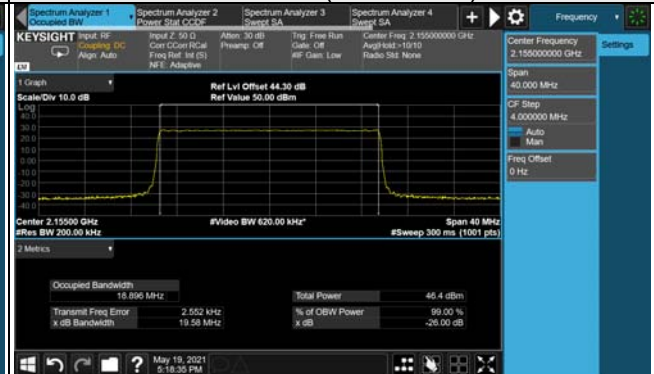


64QAM

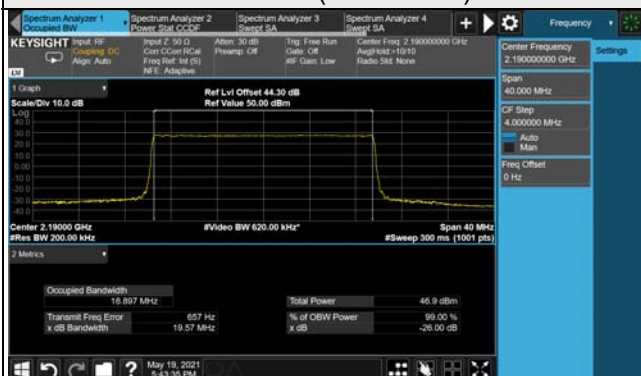
Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)

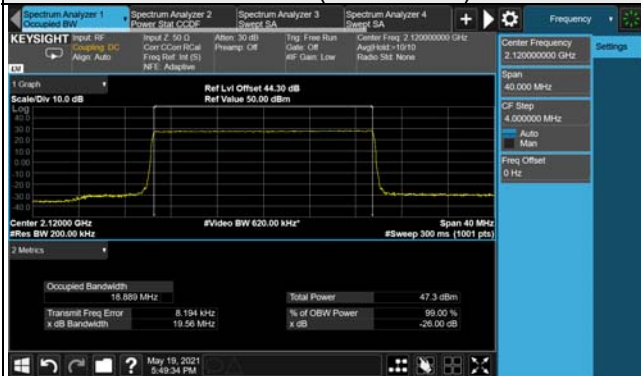


Ch 438000 (2190.0MHz)

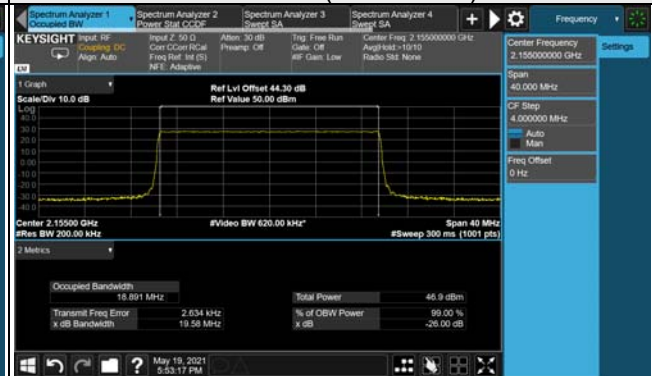


256QAM

Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)



Ch 438000 (2190.0MHz)



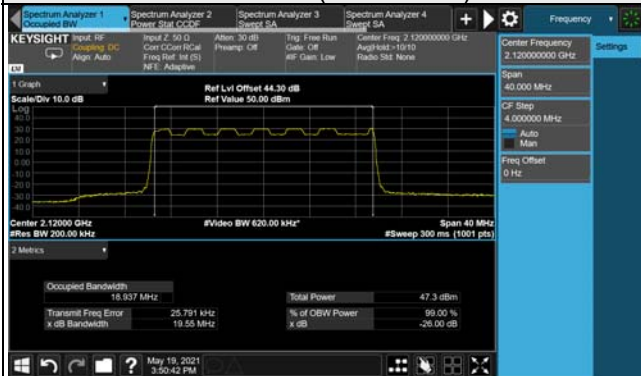
Ant. TX 3

Spectrum Plot of Worst Value -26dBc Bandwidth QPSK

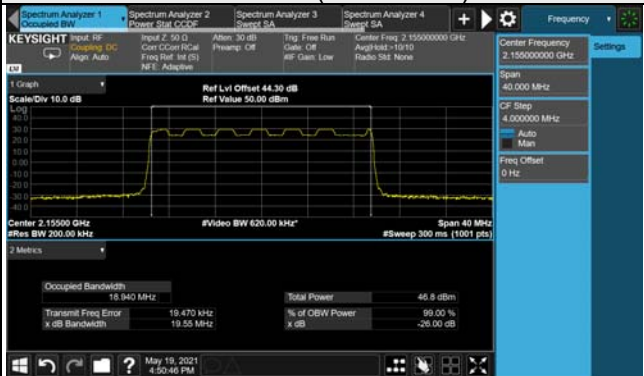


16QAM

Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)



Ch 438000 (2190.0MHz)



64QAM

Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)

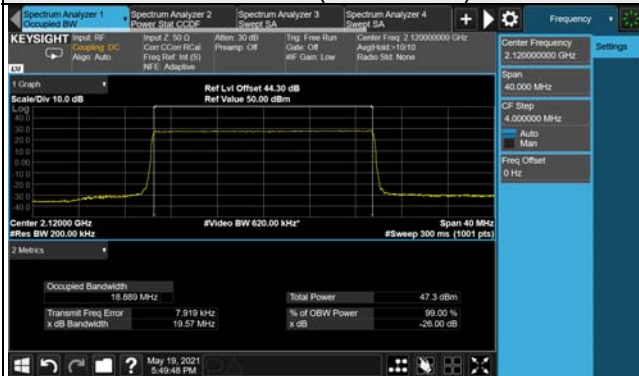


Ch 438000 (2190.0MHz)



256QAM

Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)



Ch 438000 (2190.0MHz)



Band n70 Single Carrier

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	1997.5	4.81	4.77	4.84	4.80	4.81	4.78	4.84	4.81	4.81	4.77	4.84	4.80	4.79	4.77	4.84	4.81
401500	2007.5	4.77	4.79	4.79	4.79	4.76	4.79	4.79	4.79	4.77	4.79	4.79	4.79	4.77	4.80	4.79	4.79
403500	2017.5	4.81	4.78	4.83	4.82	4.81	4.78	4.83	4.83	4.81	4.78	4.83	4.82	4.82	4.77	4.84	4.82

Ant. TX 0

Spectrum Plot of Worst Value

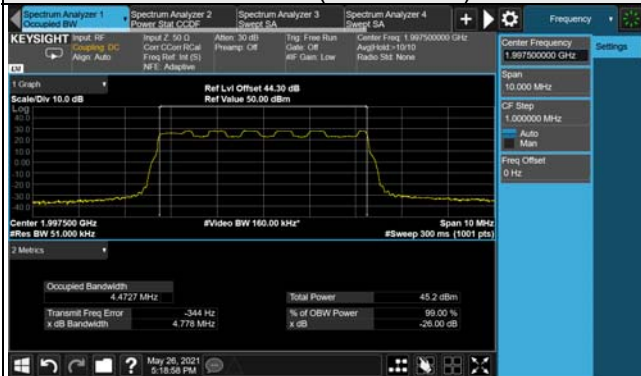
-26dBc Bandwidth

QPSK

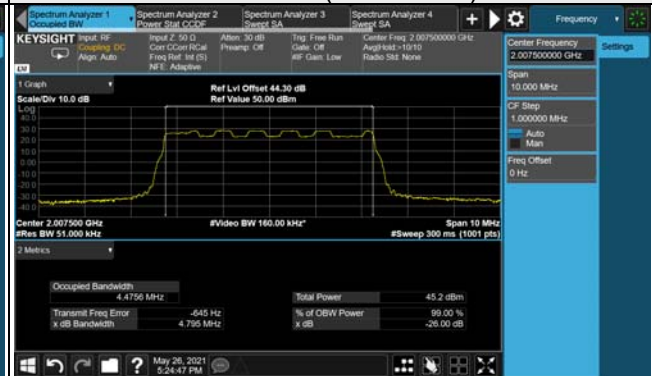


16QAM

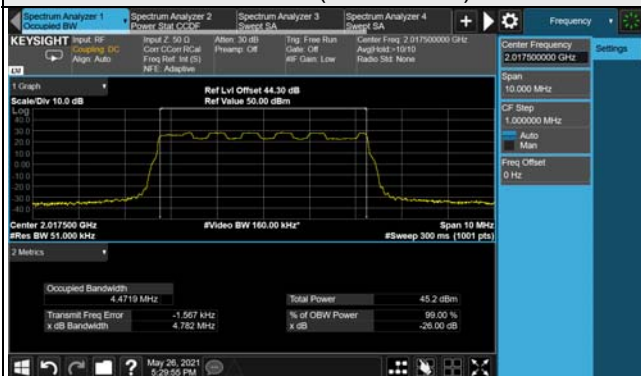
Ch 399500 (1997.5MHz)



Ch 401500 (2007.5MHz)

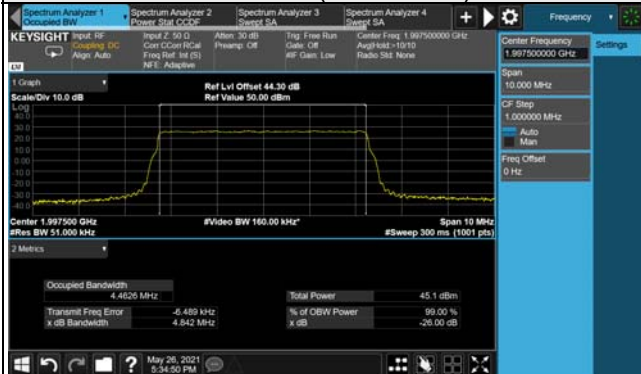


Ch 403500 (2017.5MHz)



64QAM

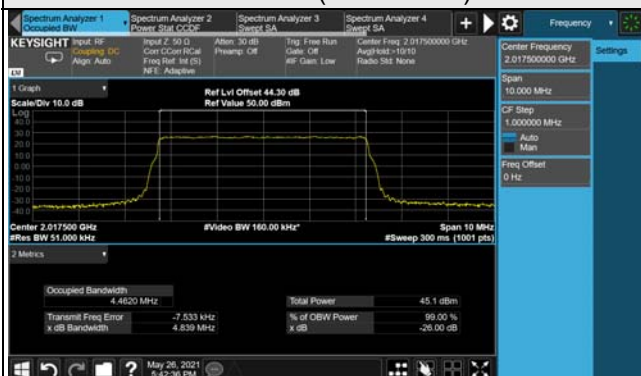
Ch 399500 (1997.5MHz)



Ch 401500 (2007.5MHz)

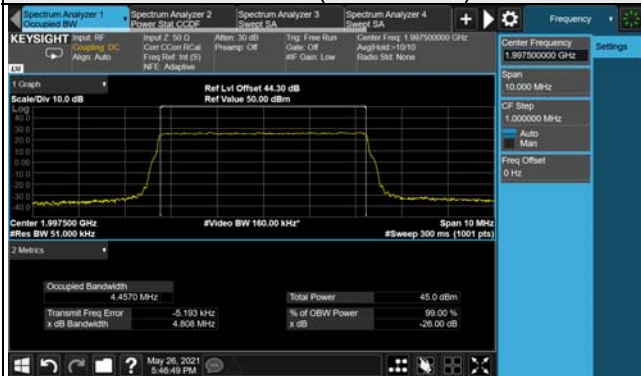


Ch 403500 (2017.5MHz)

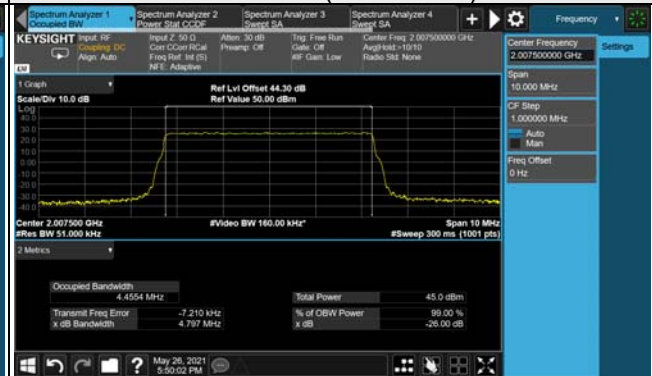


256QAM

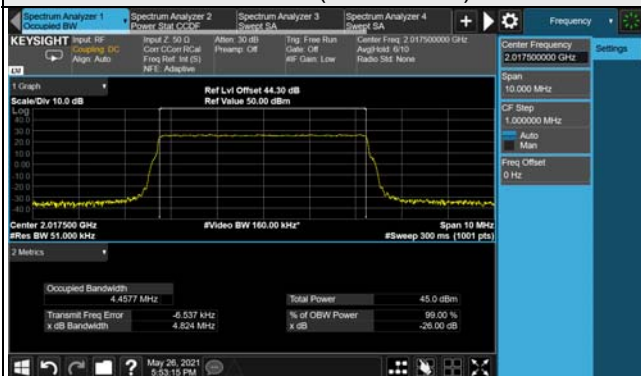
Ch 399500 (1997.5MHz)



Ch 401500 (2007.5MHz)



Ch 403500 (2017.5MHz)



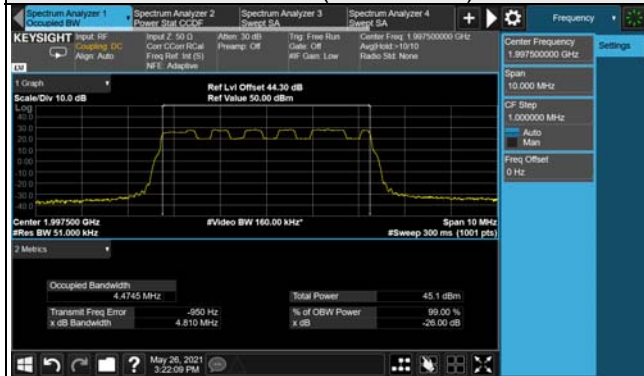
Ant. TX 1

Spectrum Plot of Worst Value

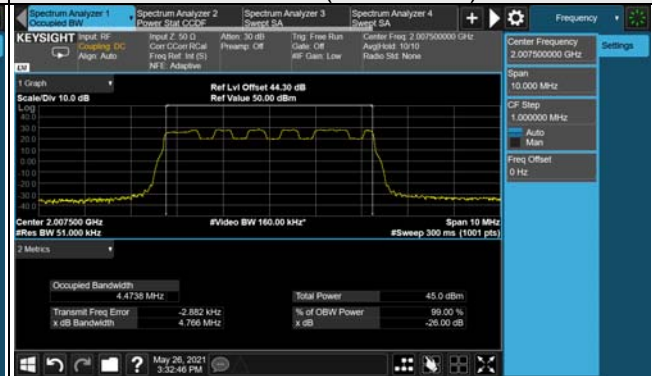
-26dBc Bandwidth

QPSK

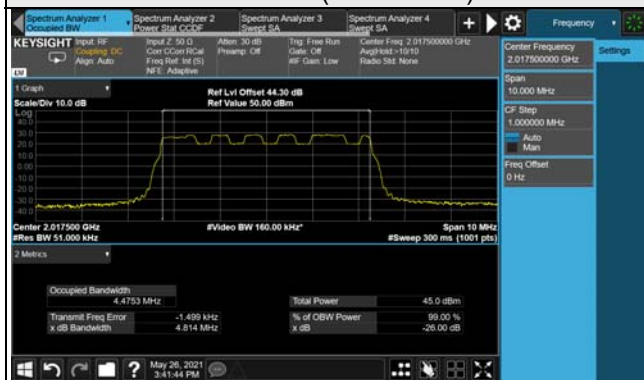
Ch 399500 (1997.5MHz)



Ch 401500 (2007.5MHz)

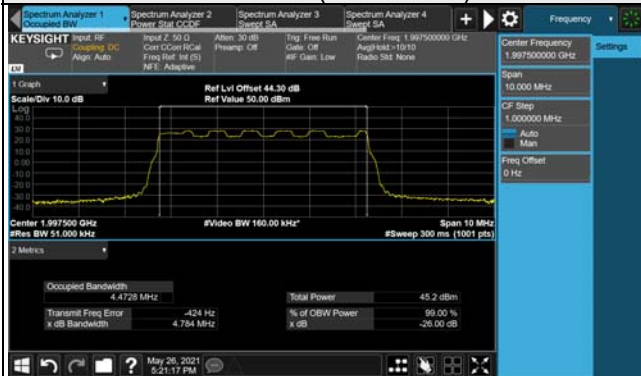


Ch 403500 (2017.5MHz)

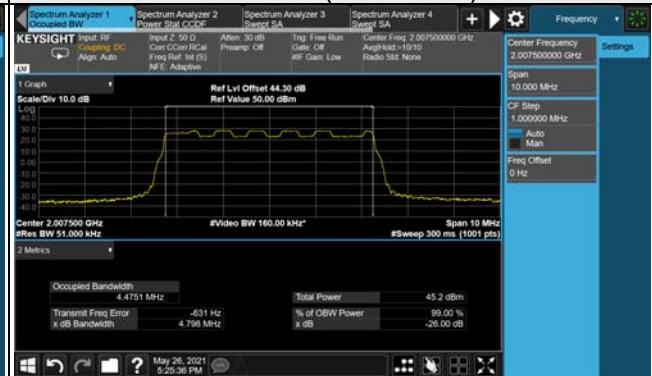


16QAM

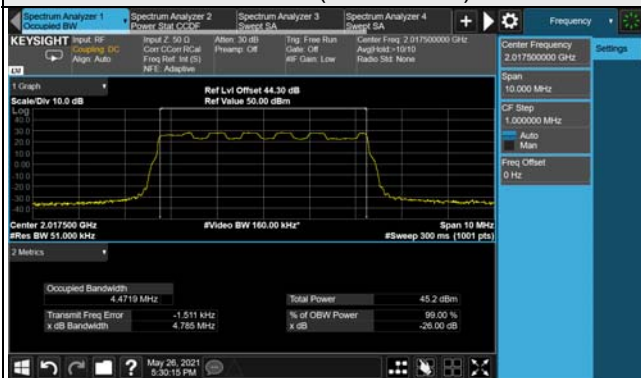
Ch 399500 (1997.5MHz)



Ch 401500 (2007.5MHz)



Ch 403500 (2017.5MHz)



64QAM

Ch 399500 (1997.5MHz)



Ch 401500 (2007.5MHz)

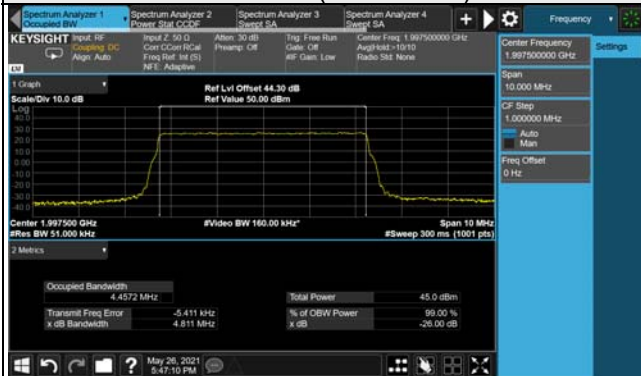


Ch 403500 (2017.5MHz)

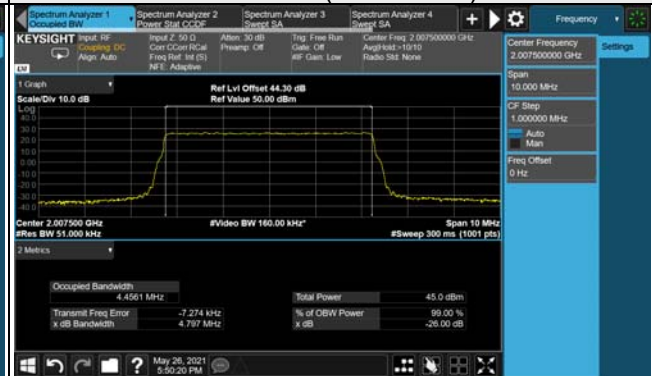


256QAM

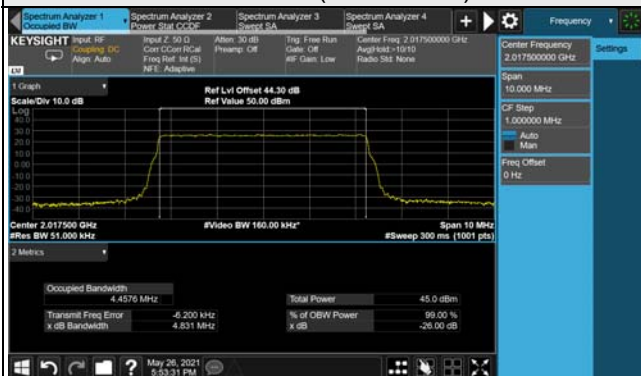
Ch 399500 (1997.5MHz)



Ch 401500 (2007.5MHz)



Ch 403500 (2017.5MHz)



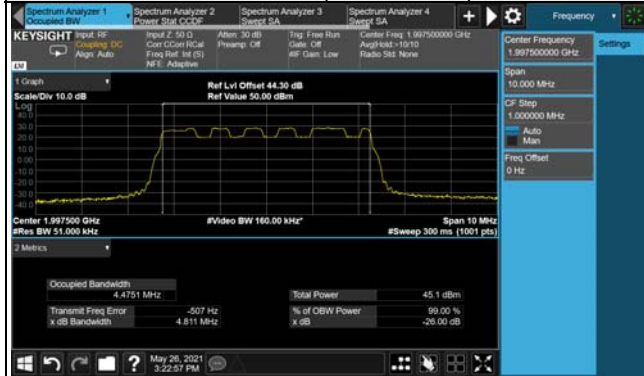
Ant. TX 2

Spectrum Plot of Worst Value

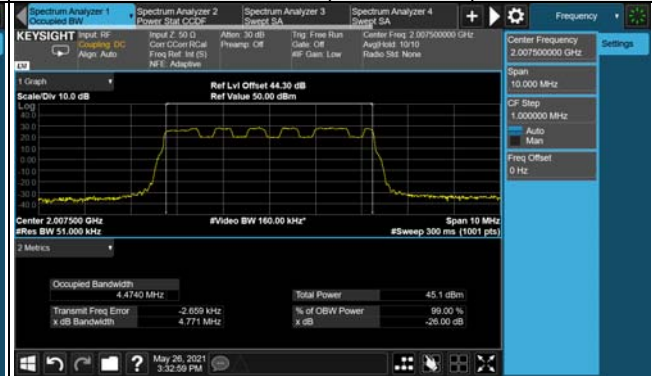
-26dBc Bandwidth

QPSK

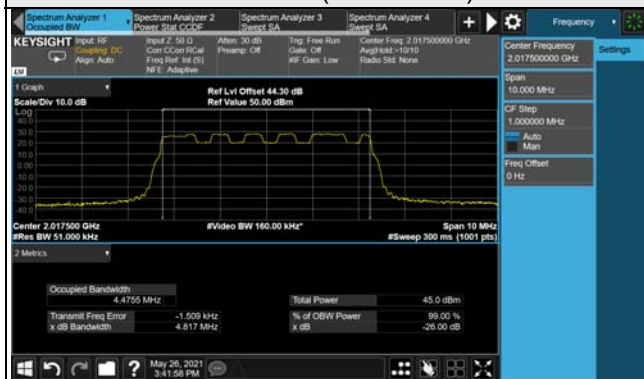
Ch 399500 (1997.5MHz)



Ch 401500 (2007.5MHz)

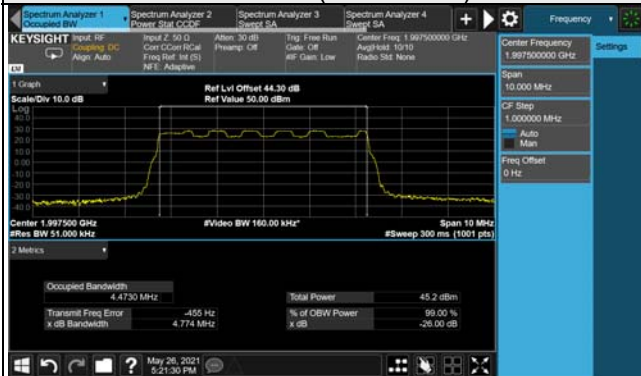


Ch 403500 (2017.5MHz)



16QAM

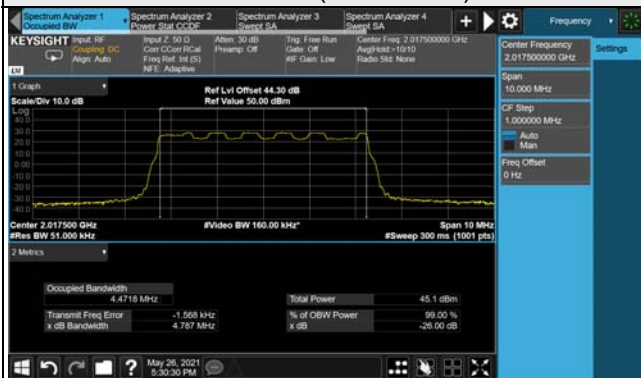
Ch 399500 (1997.5MHz)



Ch 401500 (2007.5MHz)



Ch 403500 (2017.5MHz)

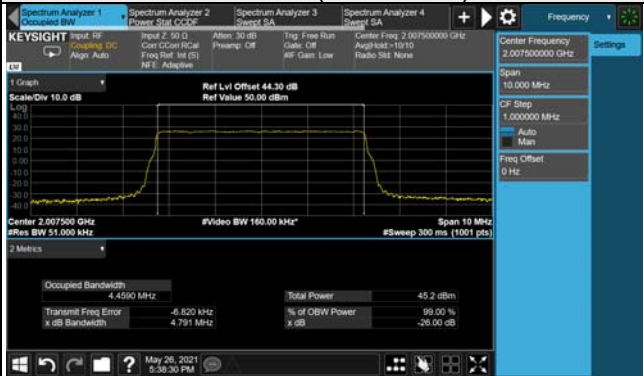


64QAM

Ch 399500 (1997.5MHz)



Ch 401500 (2007.5MHz)

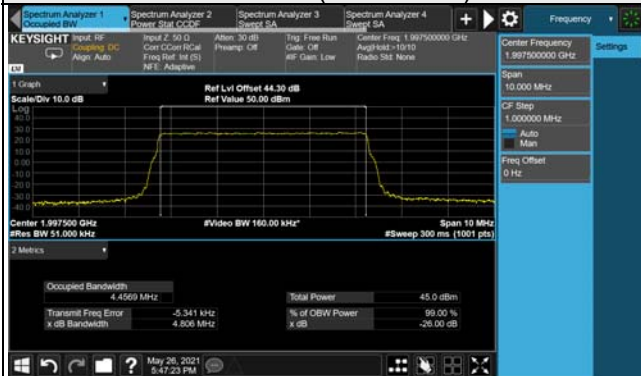


Ch 403500 (2017.5MHz)

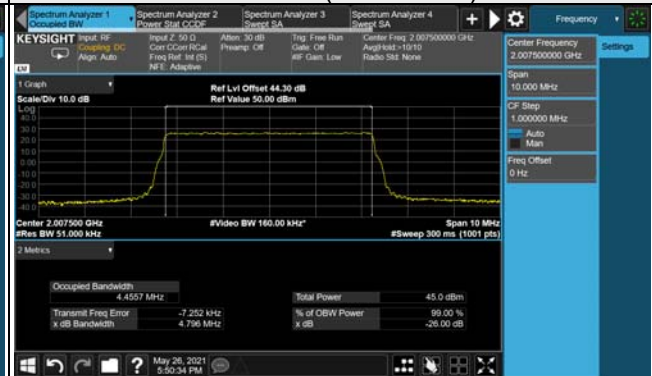


256QAM

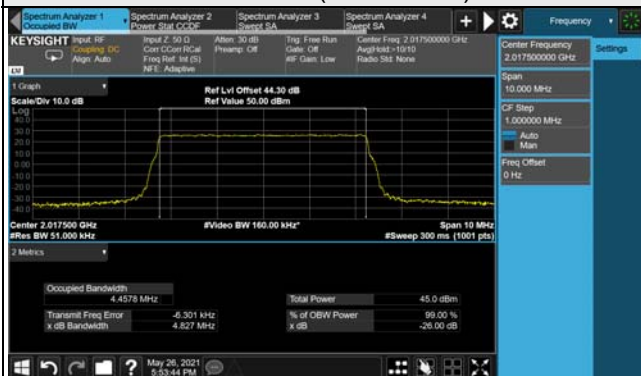
Ch 399500 (1997.5MHz)



Ch 401500 (2007.5MHz)



Ch 403500 (2017.5MHz)



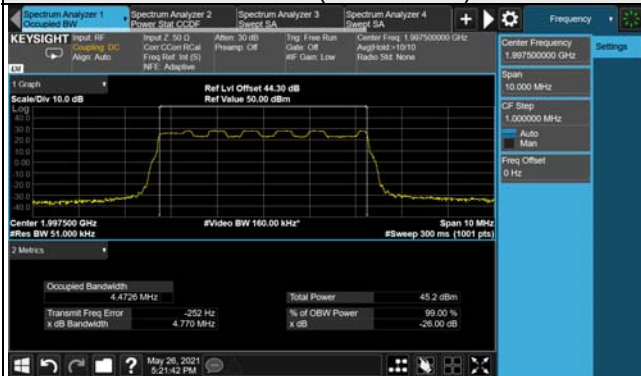
Ant. TX 3

Spectrum Plot of Worst Value -26dBc Bandwidth QPSK



16QAM

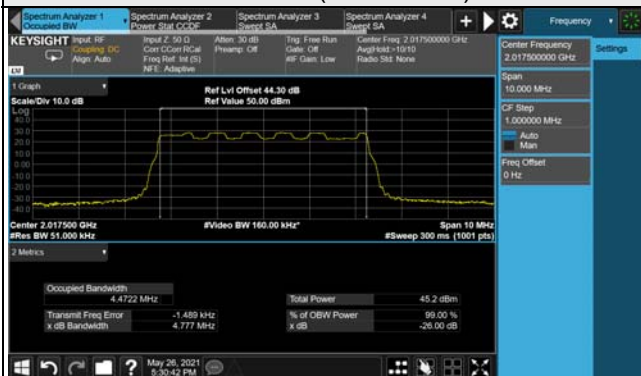
Ch 399500 (1997.5MHz)



Ch 401500 (2007.5MHz)



Ch 403500 (2017.5MHz)

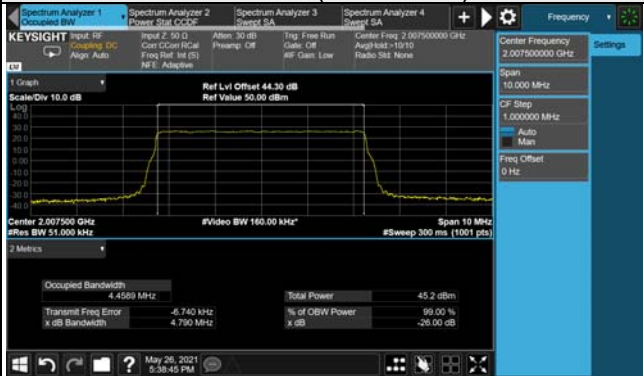


64QAM

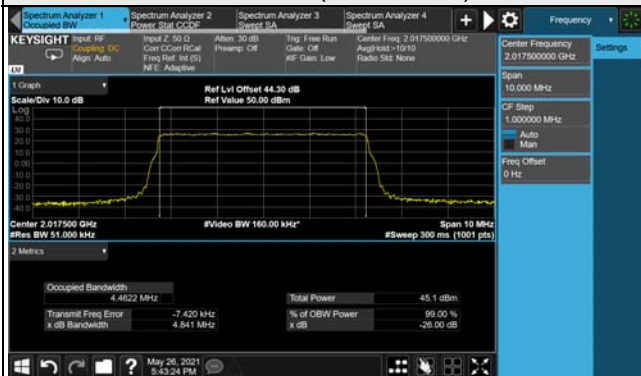
Ch 399500 (1997.5MHz)



Ch 401500 (2007.5MHz)

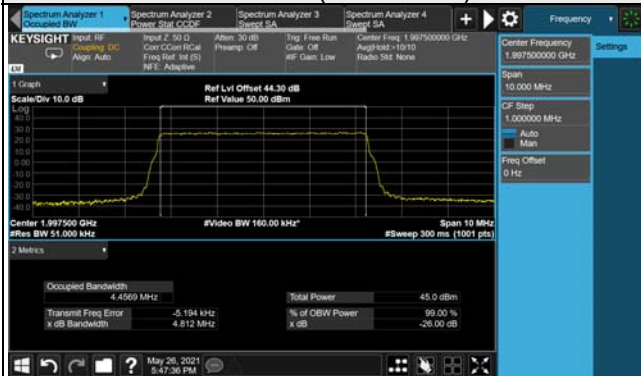


Ch 403500 (2017.5MHz)

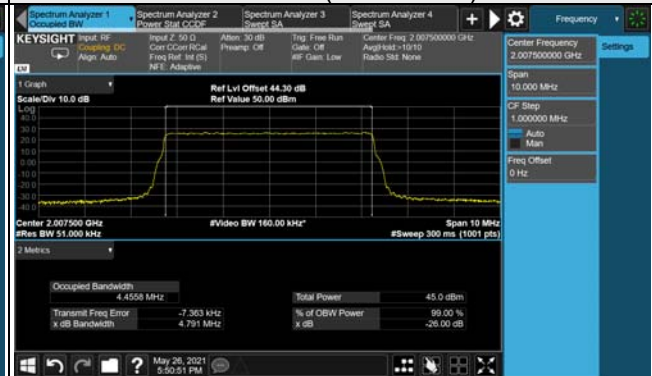


256QAM

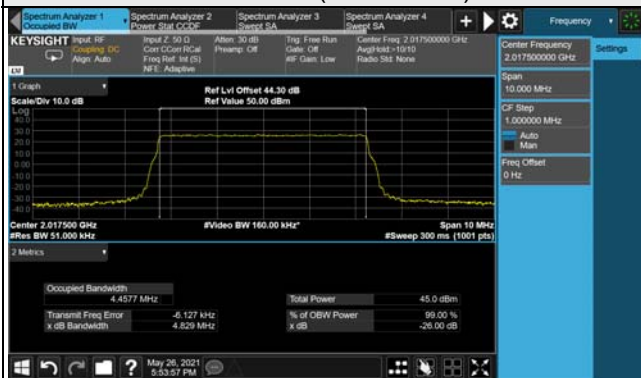
Ch 399500 (1997.5MHz)



Ch 401500 (2007.5MHz)



Ch 403500 (2017.5MHz)



10MHz

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
400000	2000	9.59	9.60	9.66	9.66	9.59	9.61	9.66	9.66	9.59	9.60	9.66	9.66	9.59	9.61	9.66	9.66
401500	2007.5	9.59	9.60	9.67	9.64	9.59	9.60	9.66	9.65	9.59	9.60	9.67	9.64	9.59	9.60	9.67	9.65
403000	2015	9.59	9.60	9.67	9.63	9.59	9.60	9.67	9.63	9.59	9.60	9.67	9.64	9.59	9.60	9.67	9.63

Ant. TX 0

Spectrum Plot of Worst Value

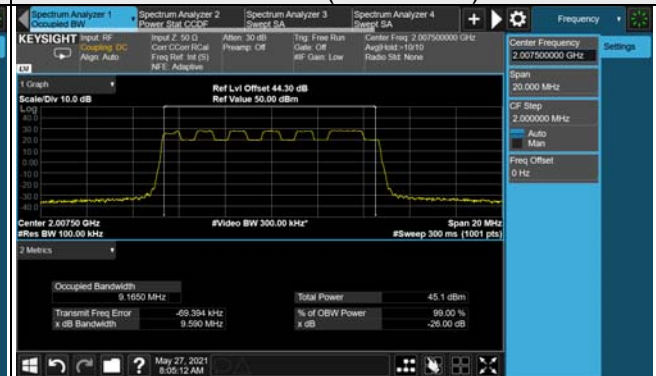
-26dBc Bandwidth

QPSK

Ch 400000 (2000.0MHz)



Ch 401500 (2007.5MHz)

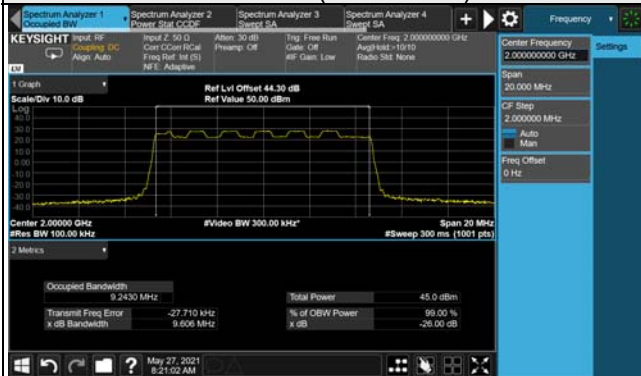


Ch 403000 (2015.0MHz)



16QAM

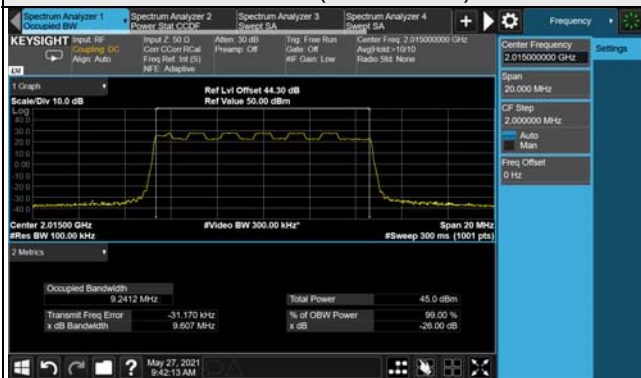
Ch 400000 (2000.0MHz)



Ch 401500 (2007.5MHz)



Ch 403000 (2015.0MHz)



64QAM

Ch 400000 (2000.0MHz)



Ch 401500 (2007.5MHz)

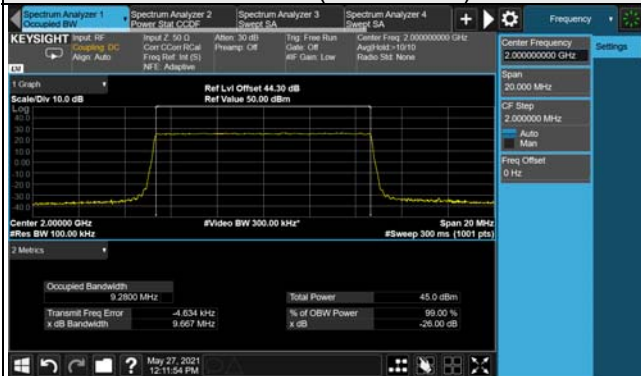


Ch 403000 (2015.0MHz)

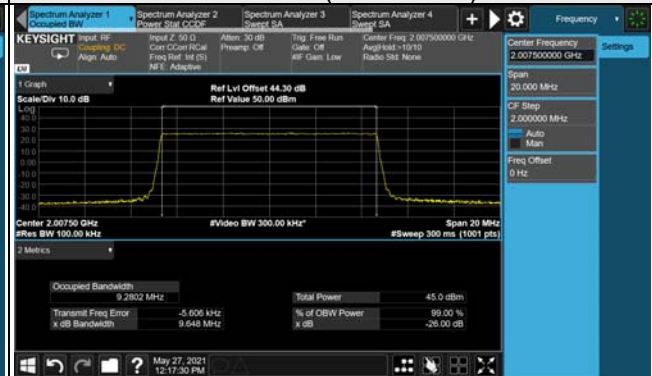


256QAM

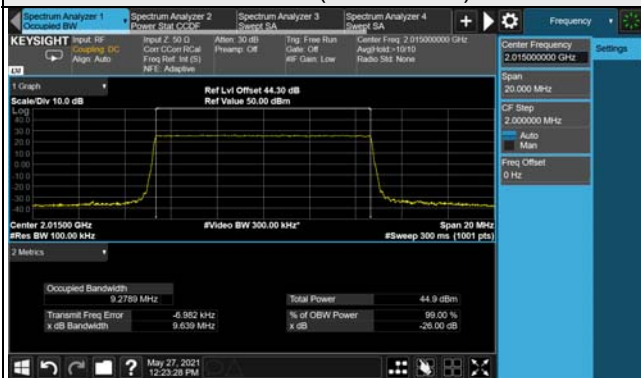
Ch 400000 (2000.0MHz)



Ch 401500 (2007.5MHz)



Ch 403000 (2015.0MHz)



Ant. TX 1

Spectrum Plot of Worst Value

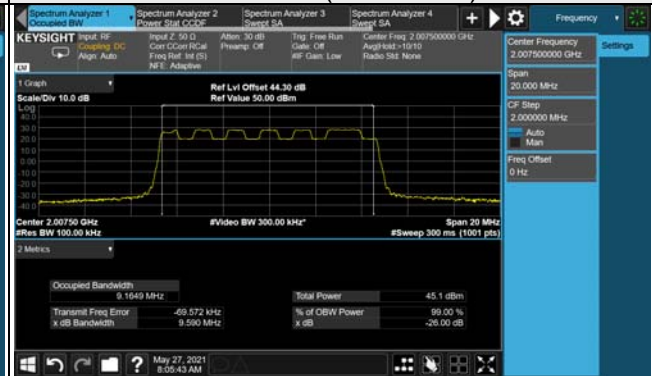
-26dBc Bandwidth

QPSK

Ch 400000 (2000.0MHz)



Ch 401500 (2007.5MHz)

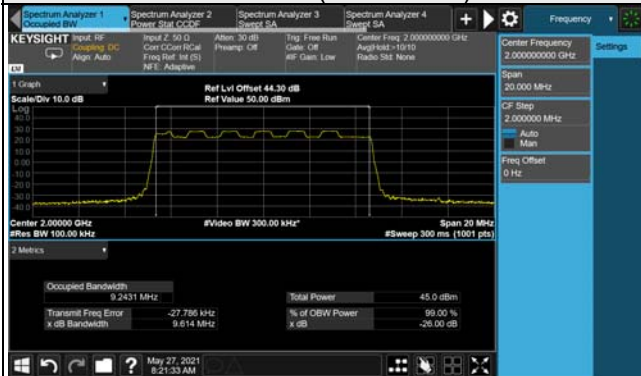


Ch 403000 (2015.0MHz)



16QAM

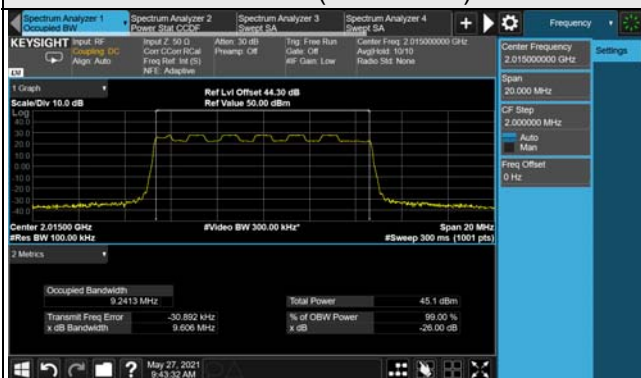
Ch 400000 (2000.0MHz)



Ch 401500 (2007.5MHz)

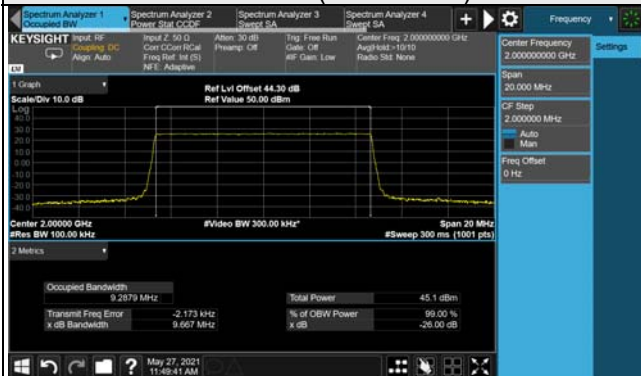


Ch 403000 (2015.0MHz)



64QAM

Ch 400000 (2000.0MHz)



Ch 401500 (2007.5MHz)

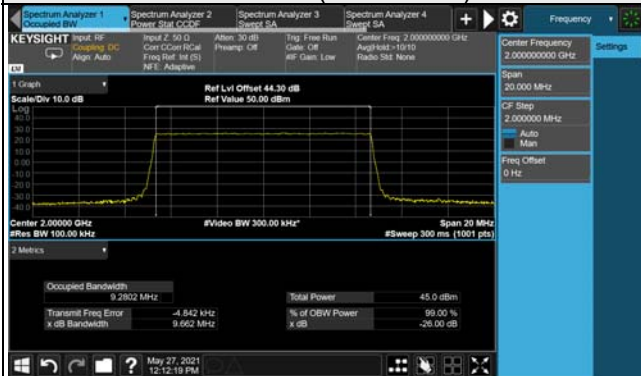


Ch 403000 (2015.0MHz)

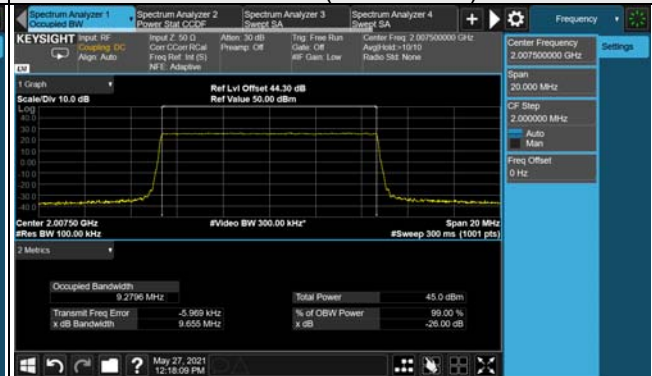


256QAM

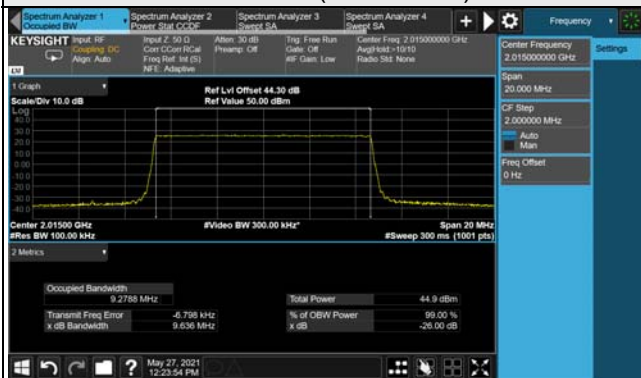
Ch 400000 (2000.0MHz)



Ch 401500 (2007.5MHz)



Ch 403000 (2015.0MHz)



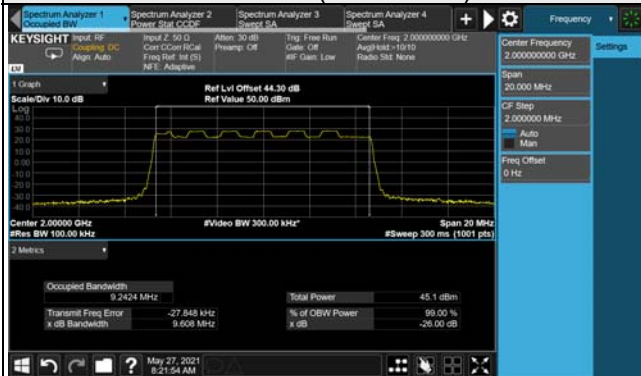
Ant. TX 2

Spectrum Plot of Worst Value -26dBc Bandwidth QPSK



16QAM

Ch 400000 (2000.0MHz)



Ch 401500 (2007.5MHz)

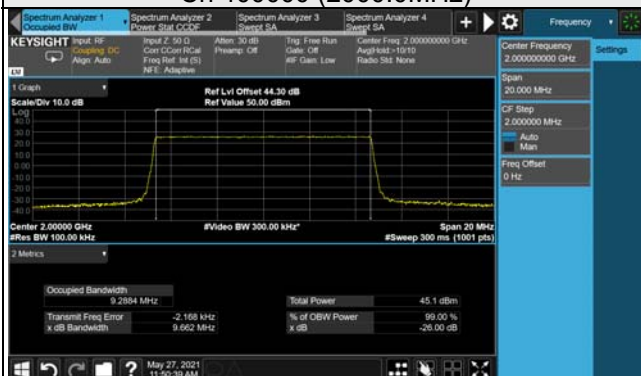


Ch 403000 (2015.0MHz)



64QAM

Ch 400000 (2000.0MHz)



Ch 401500 (2007.5MHz)

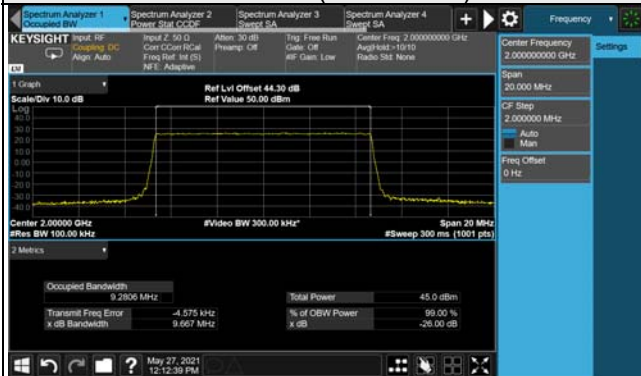


Ch 403000 (2015.0MHz)

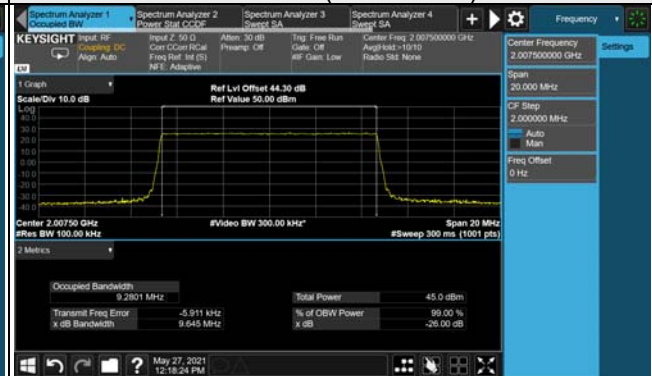


256QAM

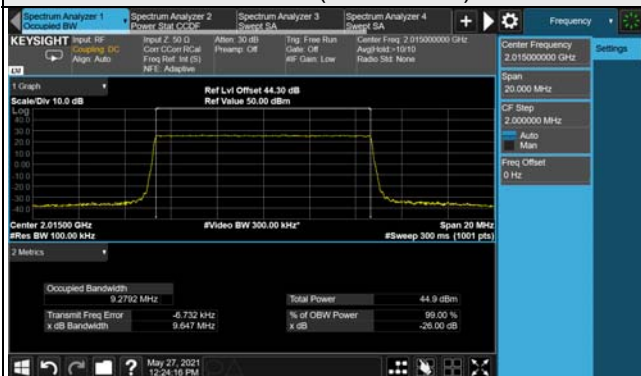
Ch 400000 (2000.0MHz)



Ch 401500 (2007.5MHz)

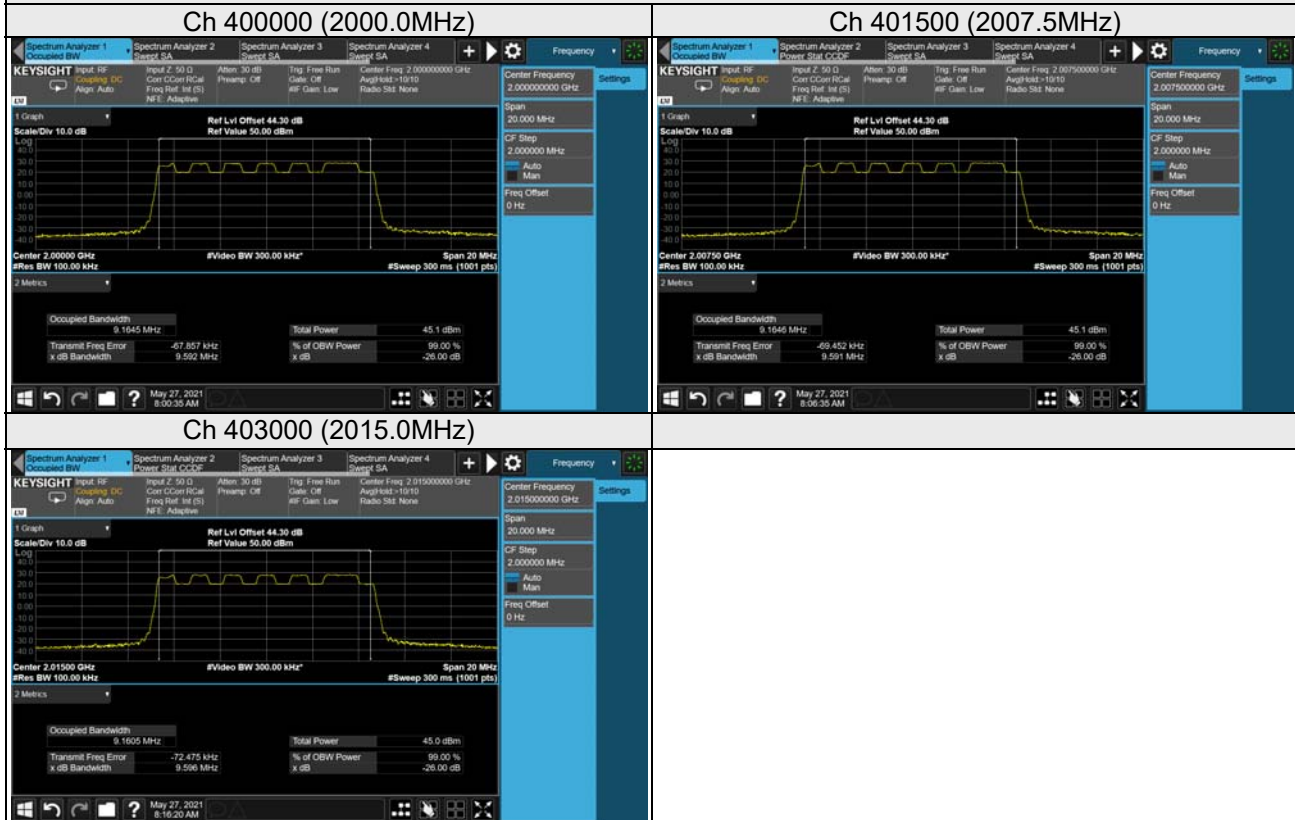


Ch 403000 (2015.0MHz)



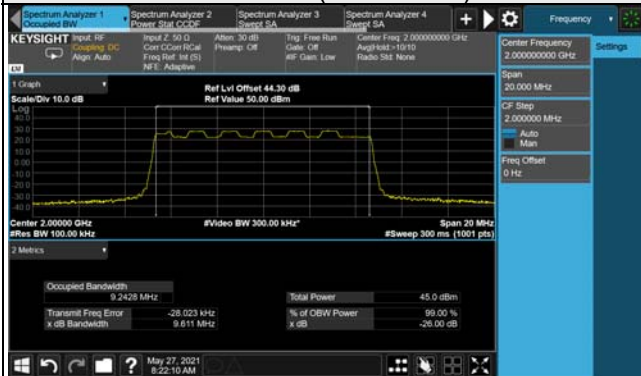
Ant. TX 3

Spectrum Plot of Worst Value -26dBc Bandwidth QPSK

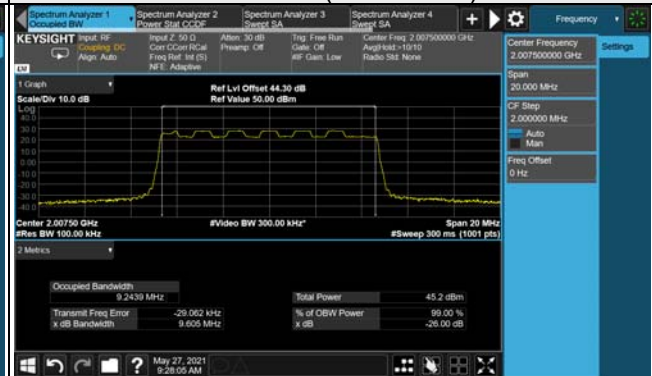


16QAM

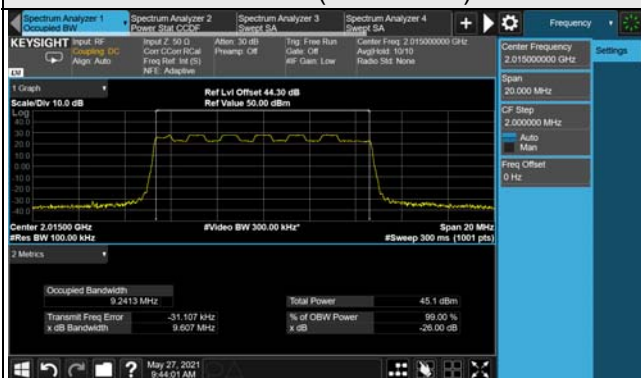
Ch 400000 (2000.0MHz)



Ch 401500 (2007.5MHz)

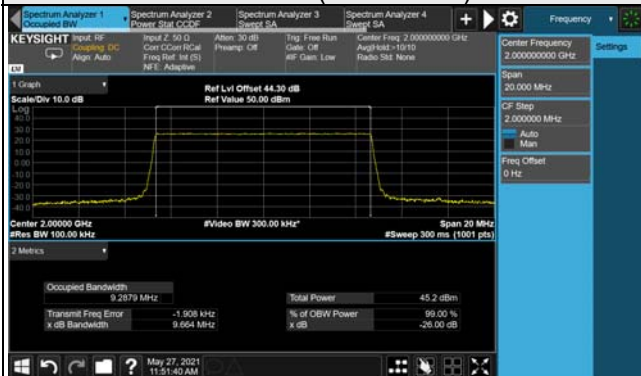


Ch 403000 (2015.0MHz)

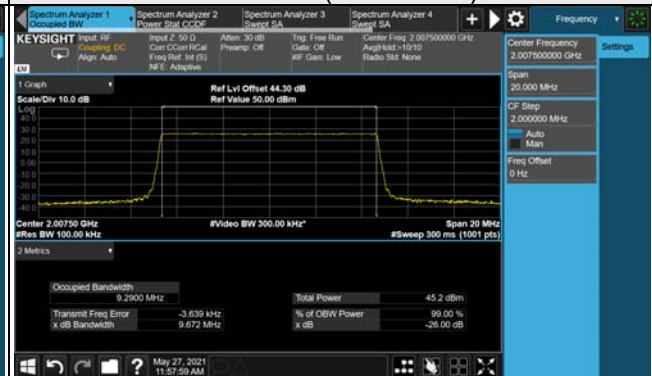


64QAM

Ch 400000 (2000.0MHz)



Ch 401500 (2007.5MHz)

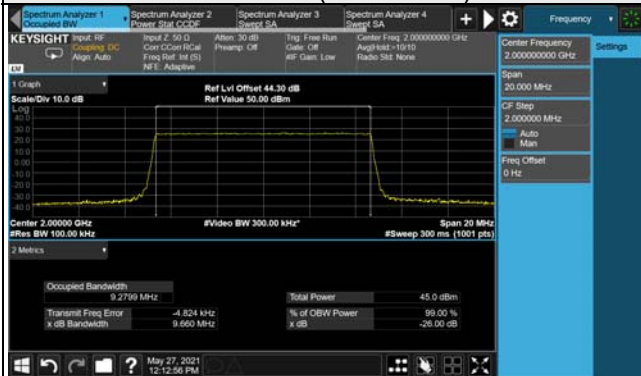


Ch 403000 (2015.0MHz)

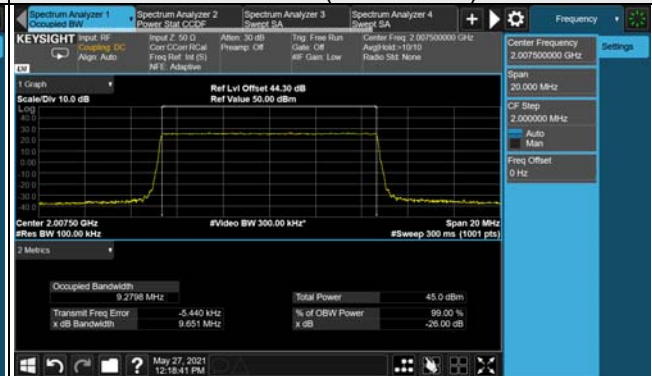


256QAM

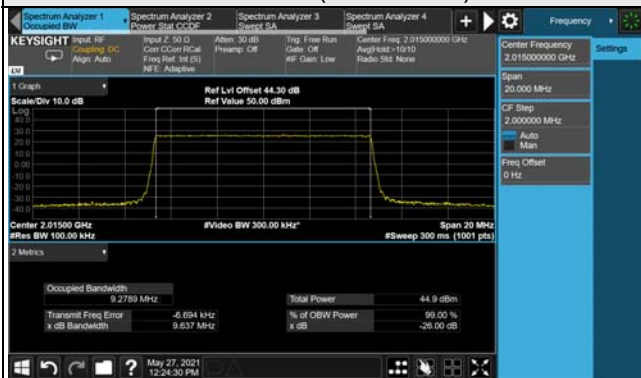
Ch 400000 (2000.0MHz)



Ch 401500 (2007.5MHz)



Ch 403000 (2015.0MHz)



15MHz

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
400500	2002.5	14.57	14.57	14.58	14.57	14.57	14.57	14.58	14.58	14.57	14.57	14.58	14.57	14.57	14.57	14.58	14.57
401500	2007.5	14.58	14.58	14.58	14.58	14.59	14.57	14.58	14.58	14.59	14.57	14.58	14.58	14.58	14.57	14.58	14.58
402500	2012.5	14.58	14.58	14.59	14.58	14.58	14.58	14.59	14.57	14.58	14.58	14.58	14.58	14.58	14.58	14.58	14.58

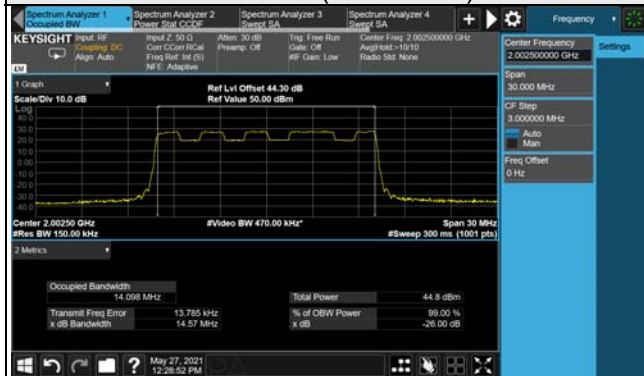
Ant. TX 0

Spectrum Plot of Worst Value

-26dBc Bandwidth

QPSK

Ch 400500 (2002.5MHz)



Ch 401500 (2007.5MHz)



Ch 402500 (2012.5MHz)



16QAM

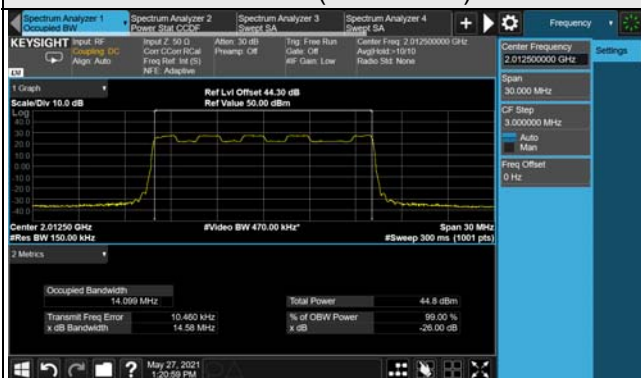
Ch 400500 (2002.5MHz)



Ch 401500 (2007.5MHz)

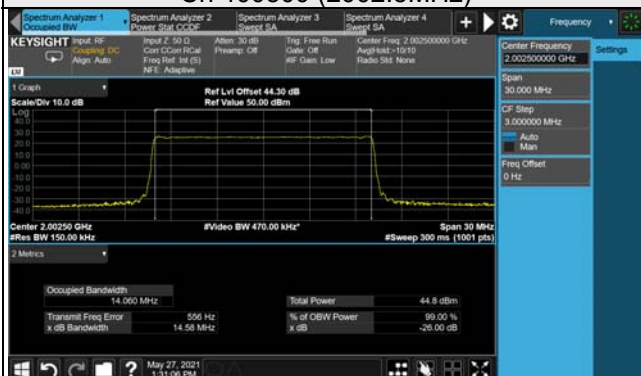


Ch 402500 (2012.5MHz)

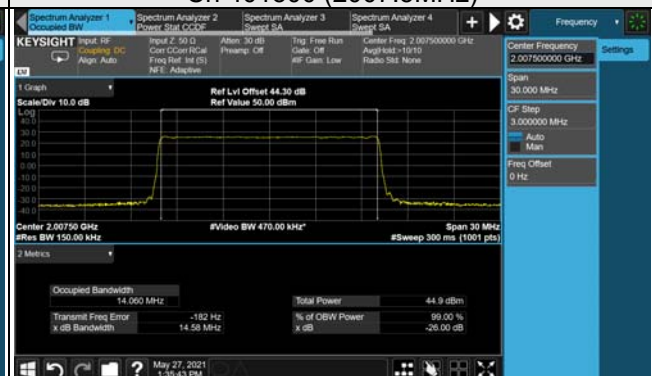


64QAM

Ch 400500 (2002.5MHz)



Ch 401500 (2007.5MHz)

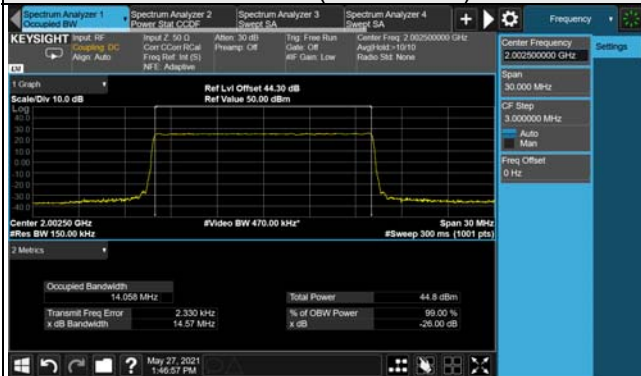


Ch 402500 (2012.5MHz)

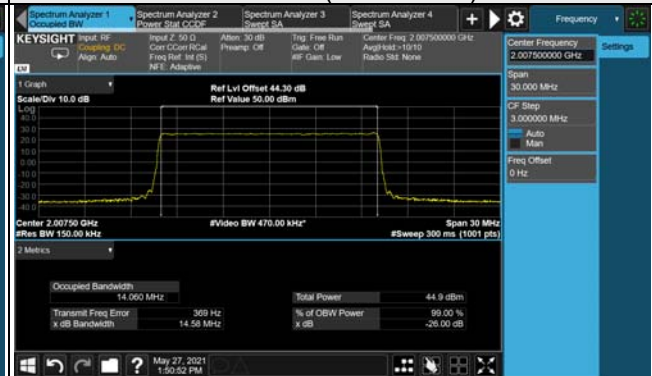


256QAM

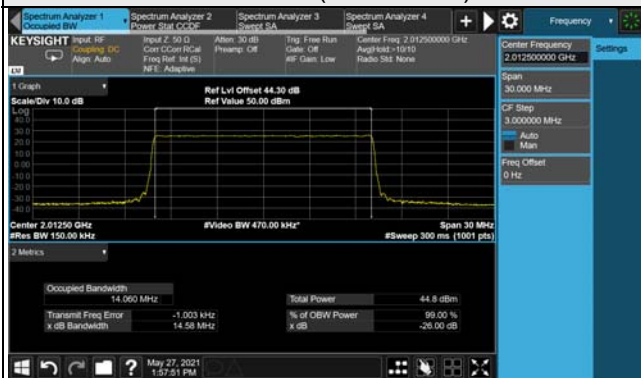
Ch 400500 (2002.5MHz)



Ch 401500 (2007.5MHz)



Ch 402500 (2012.5MHz)



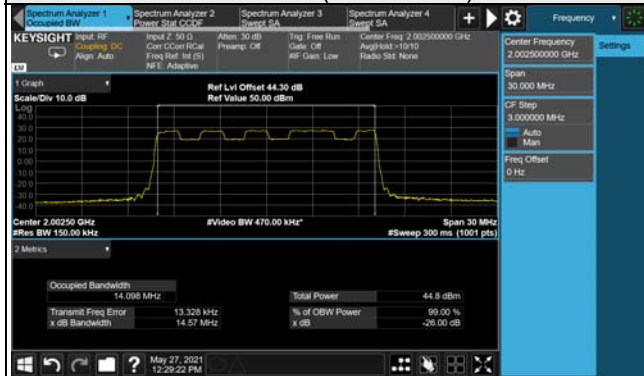
Ant. TX 1

Spectrum Plot of Worst Value

-26dBc Bandwidth

QPSK

Ch 400500 (2002.5MHz)



Ch 401500 (2007.5MHz)

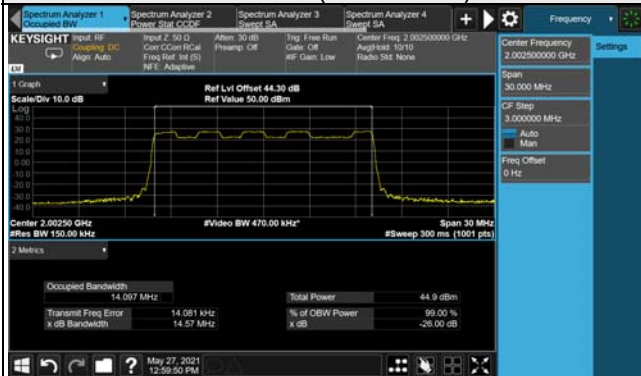


Ch 402500 (2012.5MHz)



16QAM

Ch 400500 (2002.5MHz)



Ch 401500 (2007.5MHz)



Ch 402500 (2012.5MHz)



64QAM

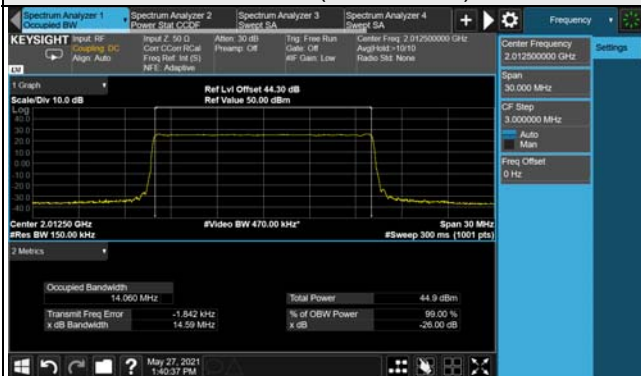
Ch 400500 (2002.5MHz)



Ch 401500 (2007.5MHz)



Ch 402500 (2012.5MHz)

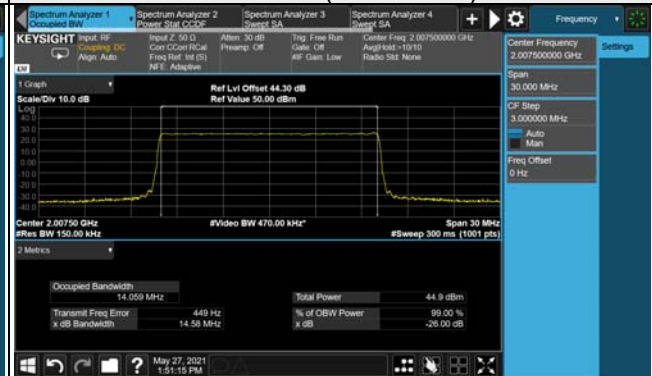


256QAM

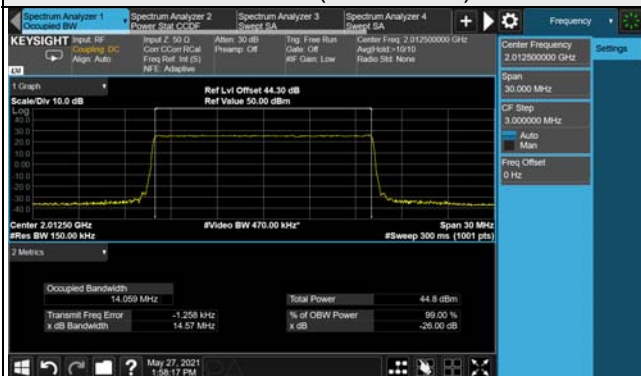
Ch 400500 (2002.5MHz)



Ch 401500 (2007.5MHz)



Ch 402500 (2012.5MHz)



Ant. TX 2

Spectrum Plot of Worst Value

-26dBc Bandwidth

QPSK

Ch 400500 (2002.5MHz)



Ch 401500 (2007.5MHz)



Ch 402500 (2012.5MHz)



16QAM

Ch 400500 (2002.5MHz)



Ch 401500 (2007.5MHz)

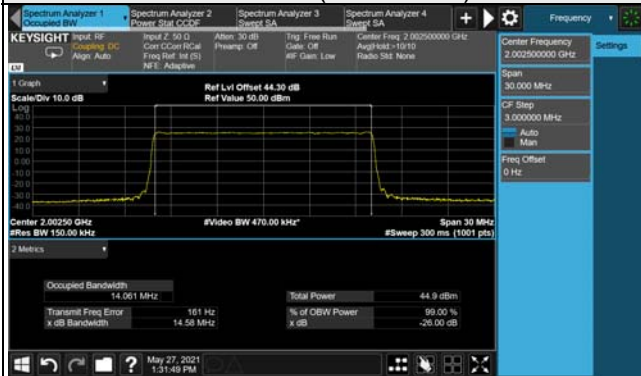


Ch 402500 (2012.5MHz)

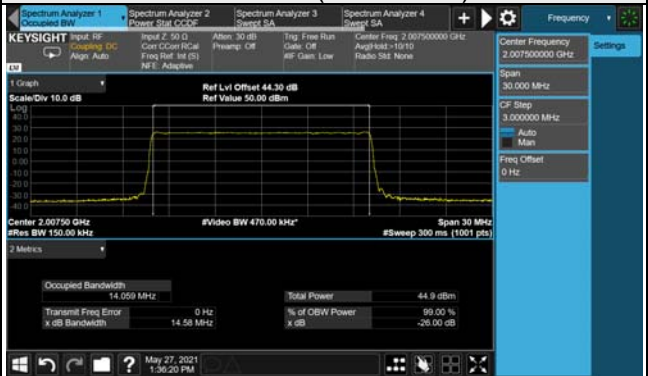


64QAM

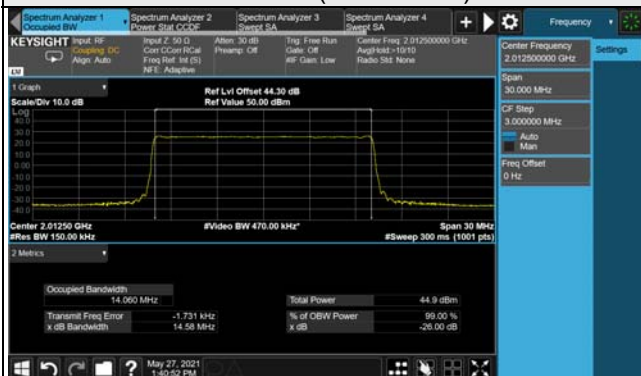
Ch 400500 (2002.5MHz)



Ch 401500 (2007.5MHz)

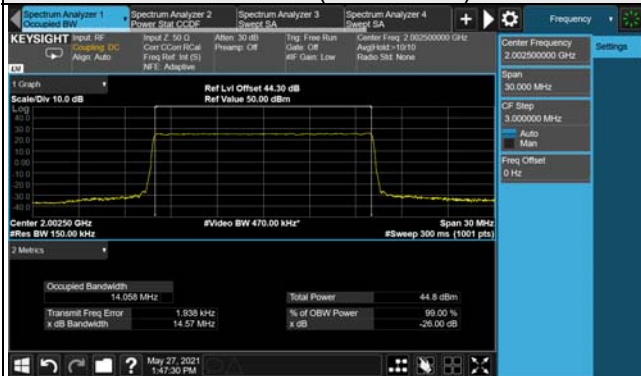


Ch 402500 (2012.5MHz)

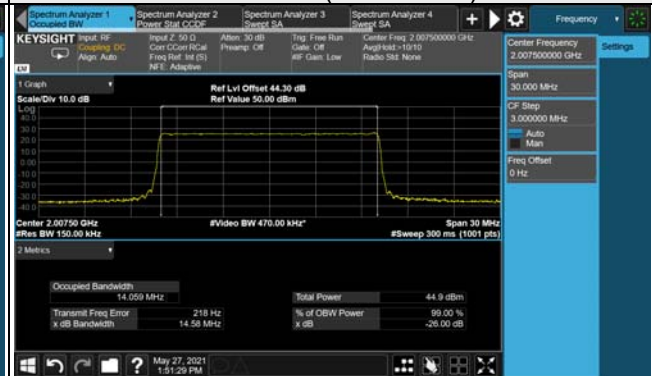


256QAM

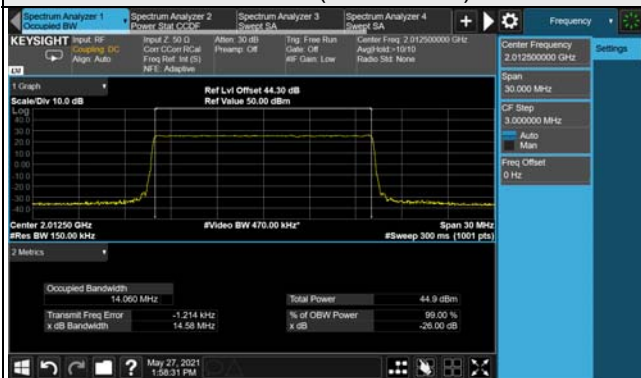
Ch 400500 (2002.5MHz)



Ch 401500 (2007.5MHz)



Ch 402500 (2012.5MHz)



Ant. TX 3

Spectrum Plot of Worst Value

-26dBc Bandwidth

QPSK

Ch 400500 (2002.5MHz)



Ch 401500 (2007.5MHz)



Ch 402500 (2012.5MHz)



16QAM

Ch 400500 (2002.5MHz)



Ch 401500 (2007.5MHz)



Ch 402500 (2012.5MHz)



64QAM

Ch 400500 (2002.5MHz)



Ch 401500 (2007.5MHz)

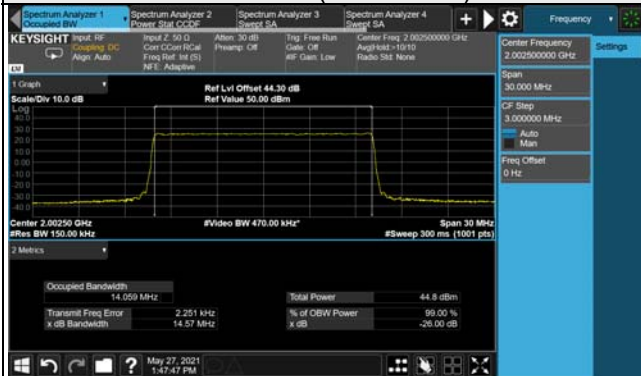


Ch 402500 (2012.5MHz)

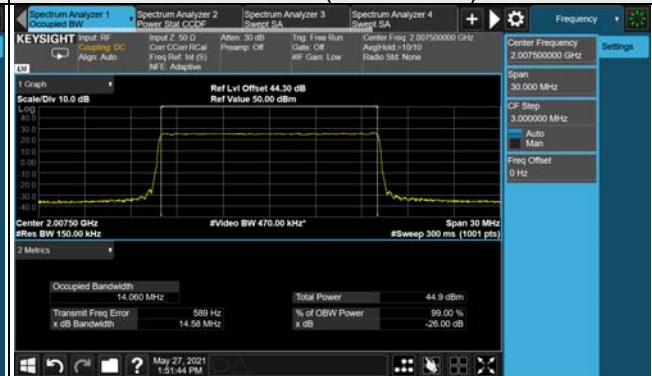


256QAM

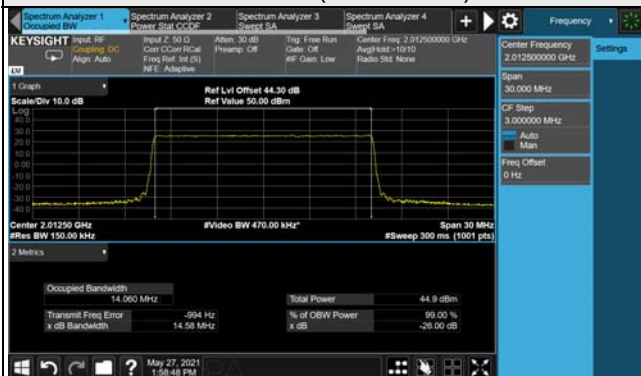
Ch 400500 (2002.5MHz)



Ch 401500 (2007.5MHz)



Ch 402500 (2012.5MHz)



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
401000	2005	19.55	19.56	19.58	19.58	19.54	19.55	19.57	19.58	19.54	19.56	19.57	19.58	19.55	19.55	19.57	19.58
401500	2007.5	19.55	19.55	19.58	19.56	19.55	19.55	19.58	19.57	19.55	19.55	19.57	19.57	19.55	19.55	19.57	19.57
402000	2010	19.55	19.56	19.57	19.57	19.55	19.56	19.58	19.57	19.55	19.56	19.58	19.57	19.55	19.56	19.57	19.57

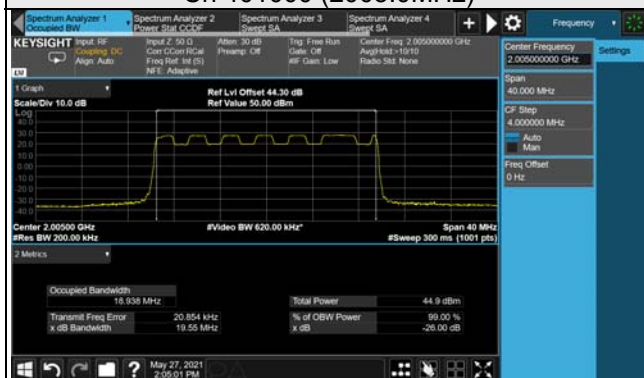
Ant. TX 0

Spectrum Plot of Worst Value

-26dBc Bandwidth

QPSK

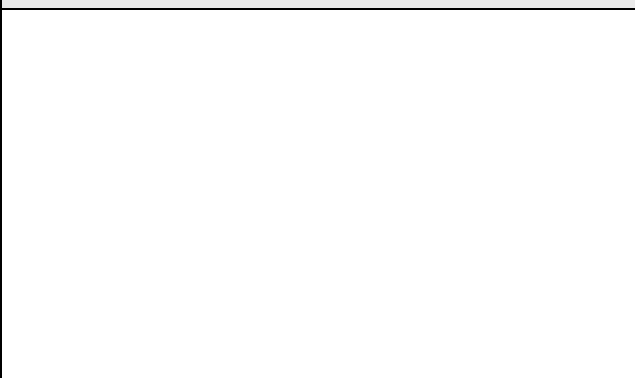
Ch 401000 (2005.0MHz)



Ch 401500 (2007.5MHz)

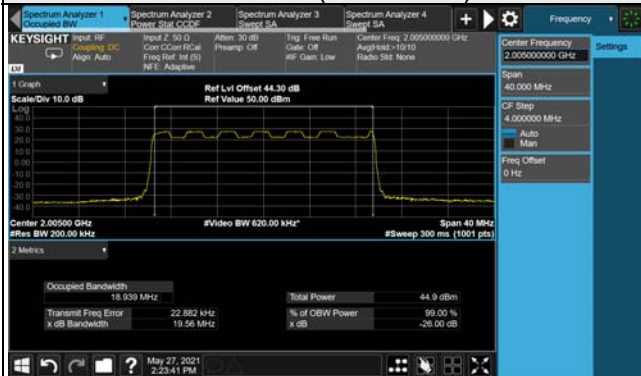


Ch 402000 (2010.0MHz)

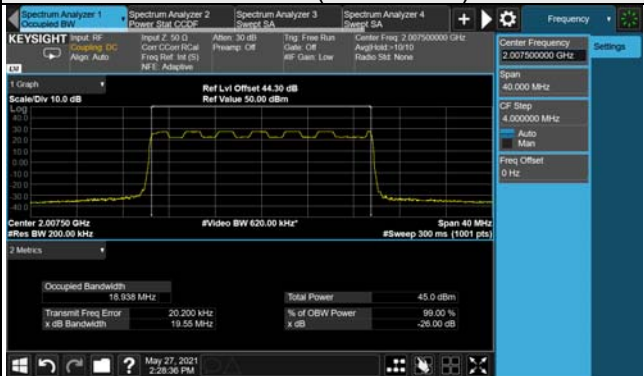


16QAM

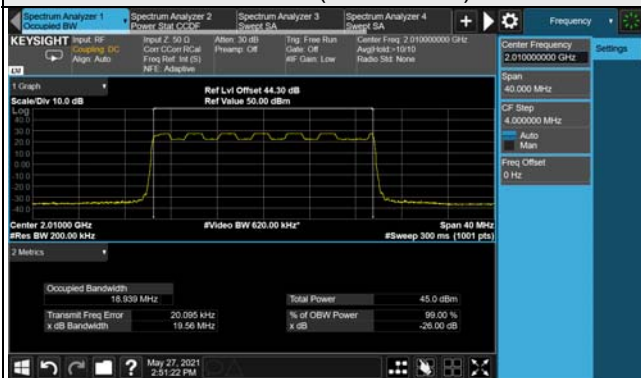
Ch 401000 (2005.0MHz)



Ch 401500 (2007.5MHz)



Ch 402000 (2010.0MHz)

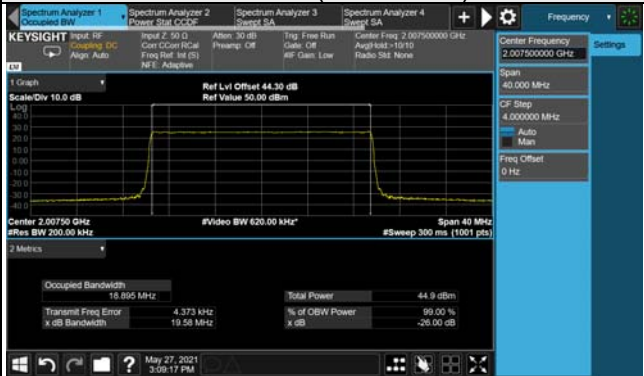


64QAM

Ch 401000 (2005.0MHz)



Ch 401500 (2007.5MHz)

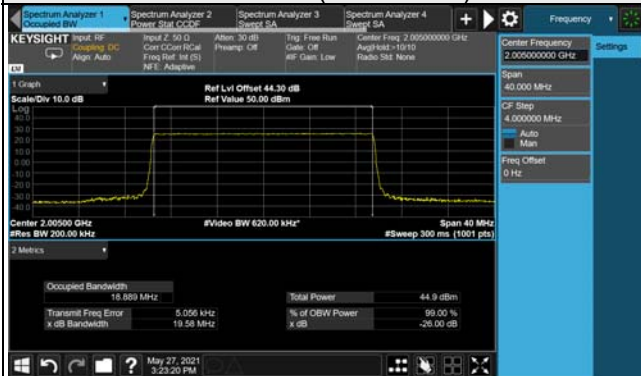


Ch 402000 (2010.0MHz)



256QAM

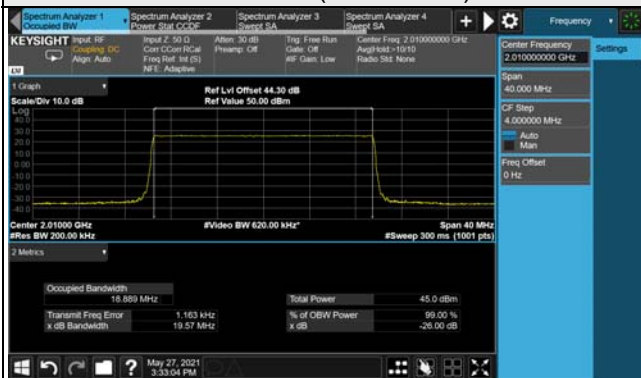
Ch 401000 (2005.0MHz)



Ch 401500 (2007.5MHz)



Ch 402000 (2010.0MHz)



Ant. TX 1

Spectrum Plot of Worst Value

-26dBc Bandwidth

QPSK

Ch 401000 (2005.0MHz)



Ch 401500 (2007.5MHz)

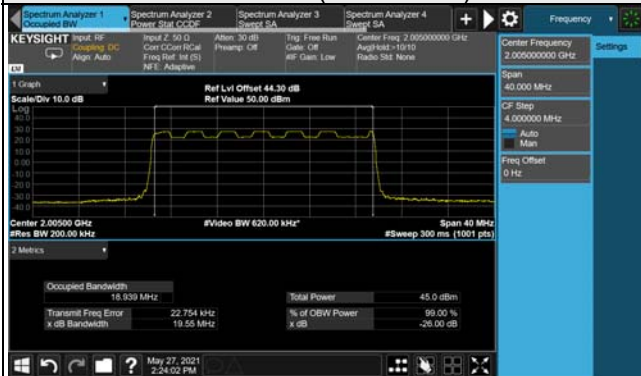


Ch 402000 (2010.0MHz)



16QAM

Ch 401000 (2005.0MHz)



Ch 401500 (2007.5MHz)



Ch 402000 (2010.0MHz)

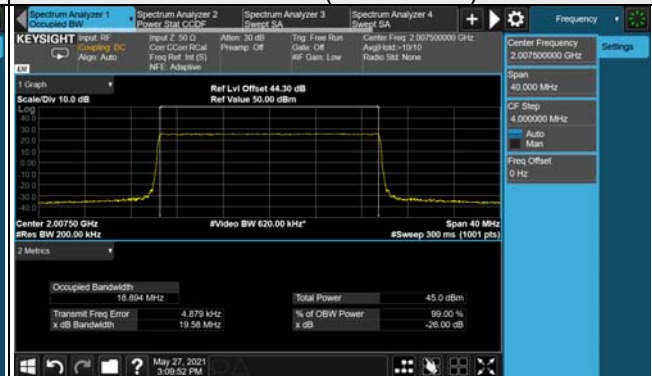


64QAM

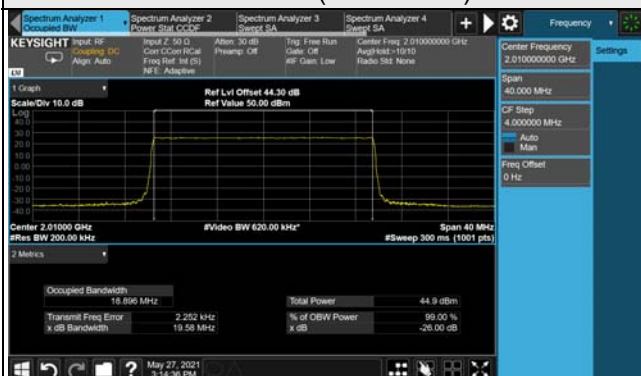
Ch 401000 (2005.0MHz)



Ch 401500 (2007.5MHz)



Ch 402000 (2010.0MHz)



256QAM

Ch 401000 (2005.0MHz)



Ch 401500 (2007.5MHz)



Ch 402000 (2010.0MHz)



Ant. TX 2

Spectrum Plot of Worst Value -26dBc Bandwidth QPSK

