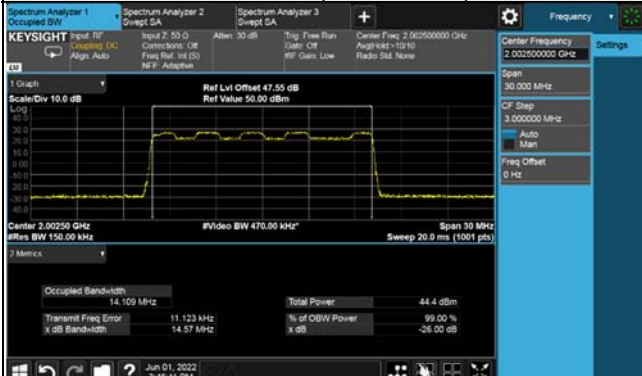
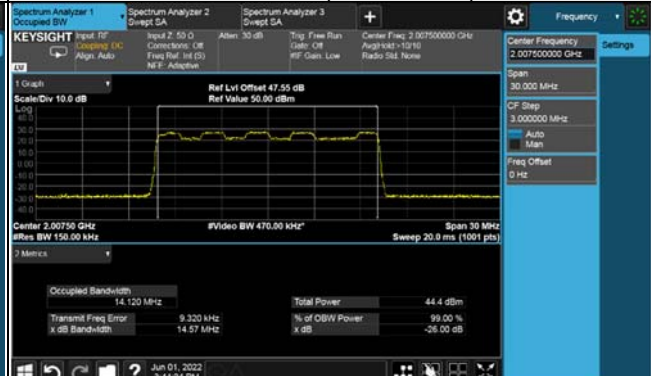


### 16QAM

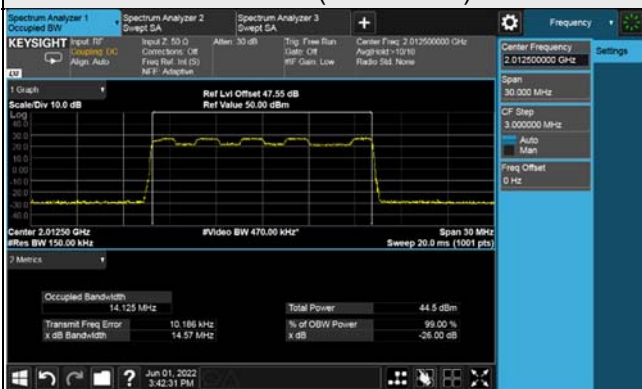
#### Ch 400500 (2002.5MHz)



#### Ch 401500 (2007.5MHz)

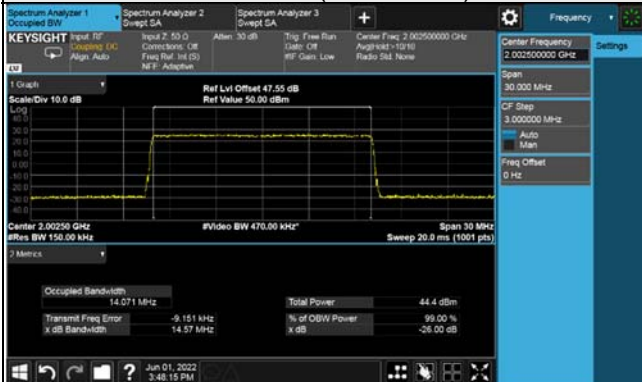


#### Ch 402500 (2012.5MHz)

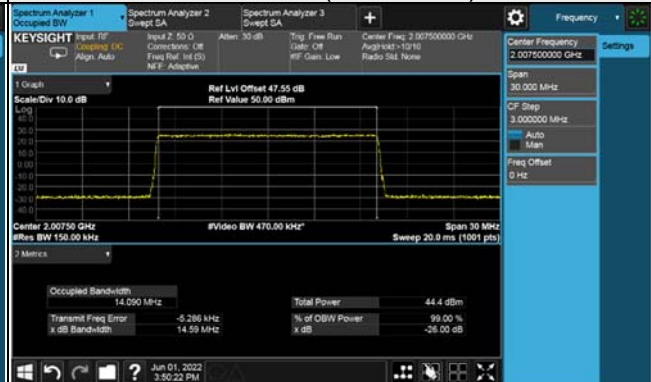


### 64QAM

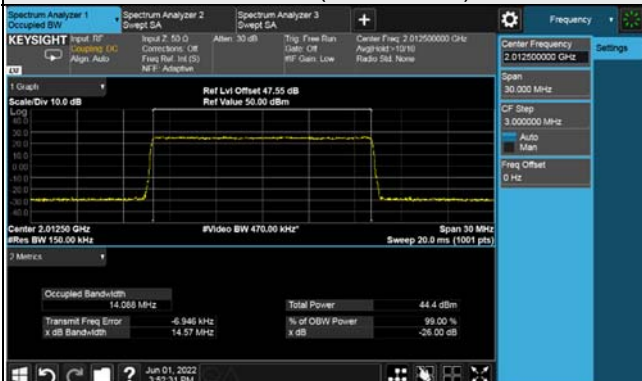
#### Ch 400500 (2002.5MHz)



#### Ch 401500 (2007.5MHz)

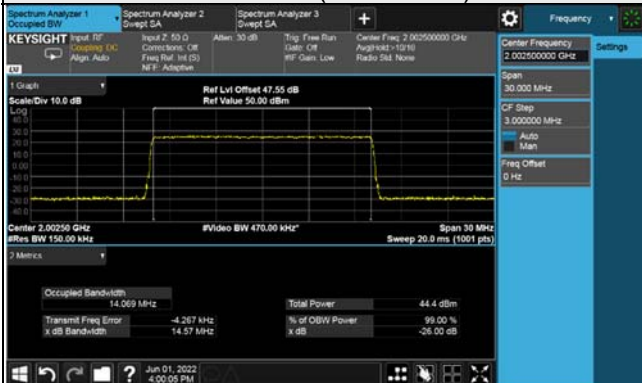


#### Ch 402500 (2012.5MHz)

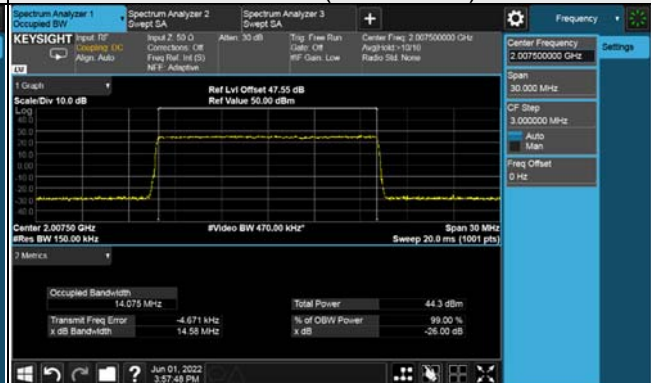


## 256QAM

### Ch 400500 (2002.5MHz)



### Ch 401500 (2007.5MHz)



### Ch 402500 (2012.5MHz)



### 20MHz

Channel Number	Freq. (MHz)	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
401000	2005	18.95	18.95	18.90	18.90	18.95	18.95	18.89	18.90	18.95	18.95	18.91	18.90	18.94	18.94	18.91	18.90
401500	2007.5	18.95	18.95	18.91	18.89	18.95	18.95	18.90	18.90	18.94	18.94	18.91	18.90	18.95	18.95	18.90	18.89
402000	2010	18.95	18.95	18.92	18.90	18.95	18.95	18.91	18.90	18.95	18.95	18.92	18.90	18.96	18.96	18.92	18.91

### Ant. TX 0



### 16QAM

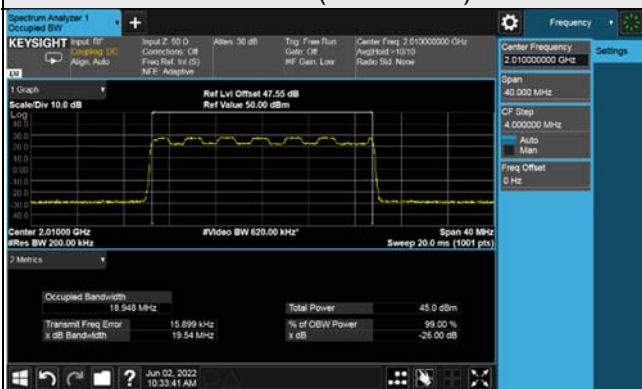
Ch 401000 (2005.0MHz)



Ch 401500 (2007.5MHz)

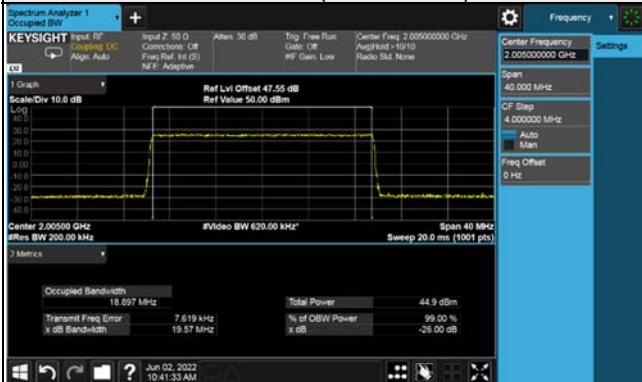


Ch 402000 (2010.0MHz)

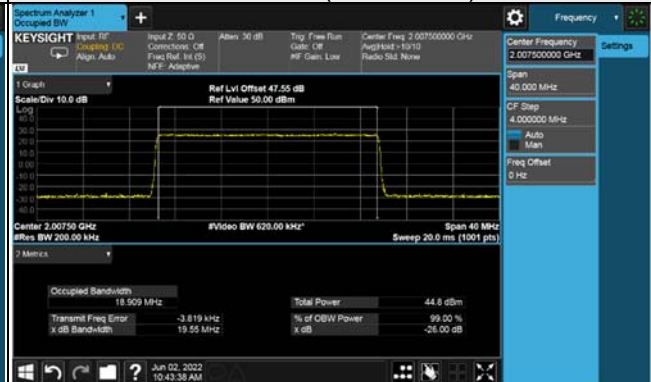


### 64QAM

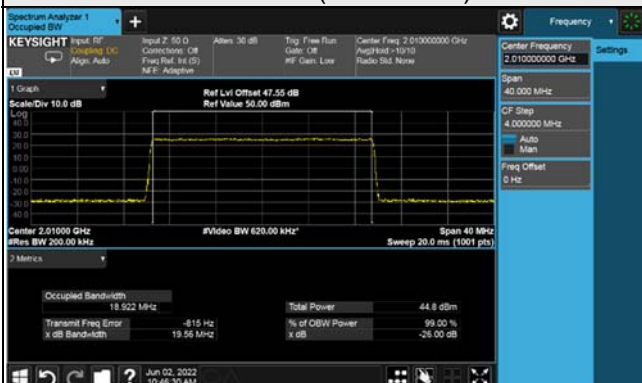
Ch 401000 (2005.0MHz)



Ch 401500 (2007.5MHz)



Ch 402000 (2010.0MHz)

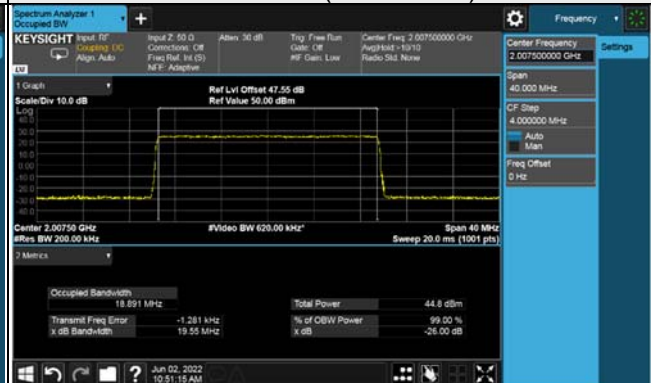


256QAM

Ch 401000 (2005.0MHz)



Ch 401500 (2007.5MHz)



Ch 402000 (2010.0MHz)

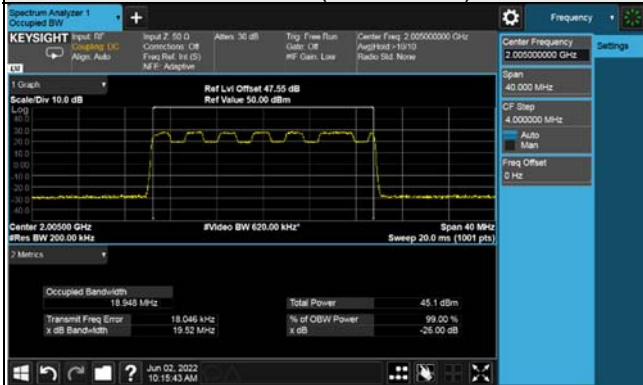


Ant. TX 1

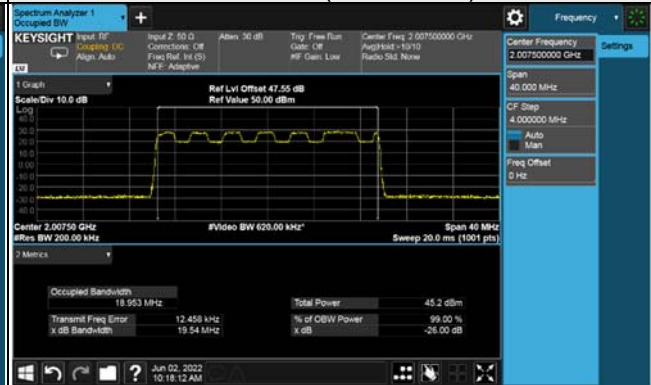
OCP 99 Bandwidth

QPSK

Ch 401000 (2005.0MHz)



Ch 401500 (2007.5MHz)

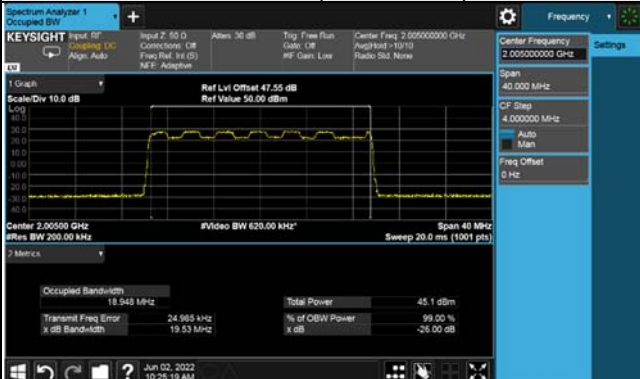


Ch 402000 (2010.0MHz)

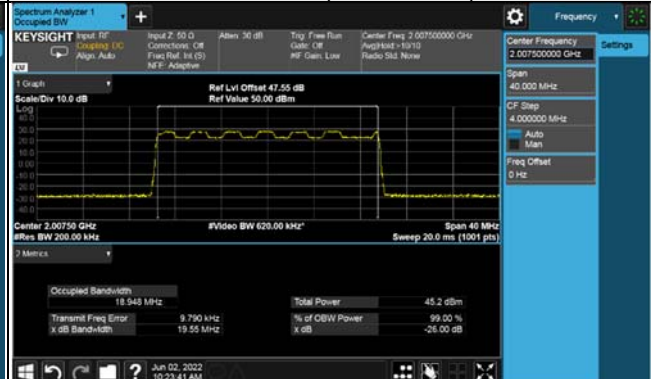


### 16QAM

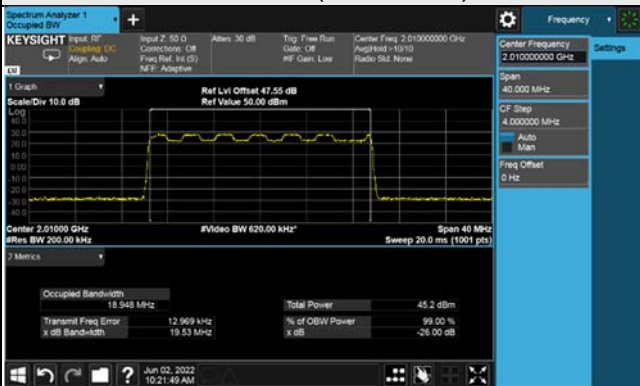
#### Ch 401000 (2005.0MHz)



#### Ch 401500 (2007.5MHz)

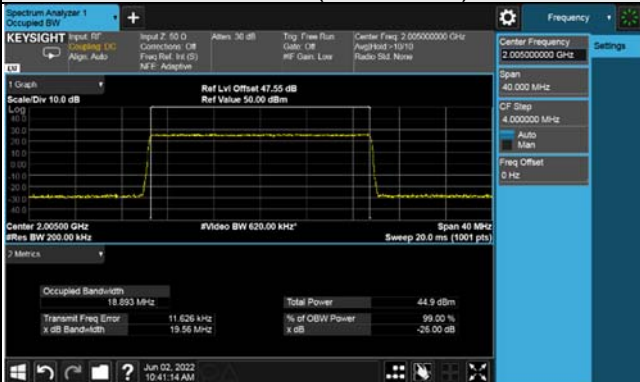


#### Ch 402000 (2010.0MHz)

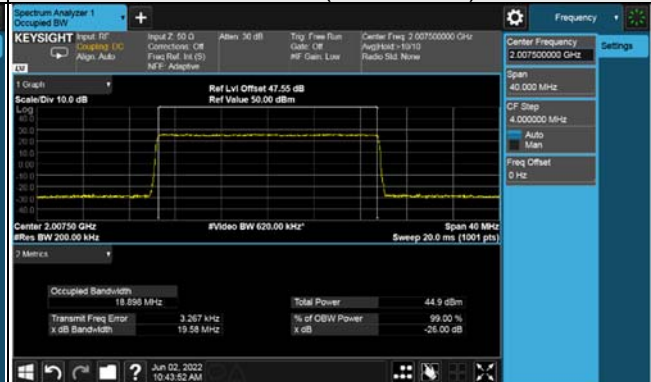


### 64QAM

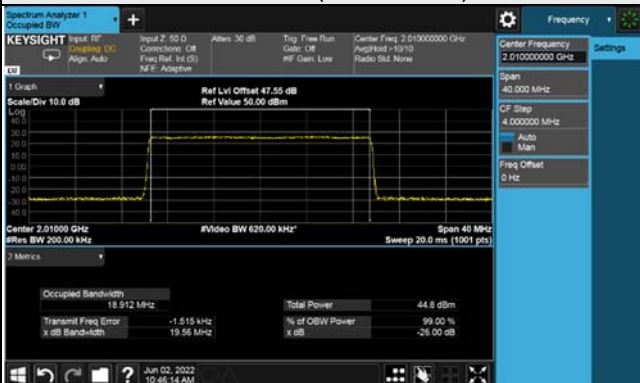
#### Ch 401000 (2005.0MHz)



#### Ch 401500 (2007.5MHz)

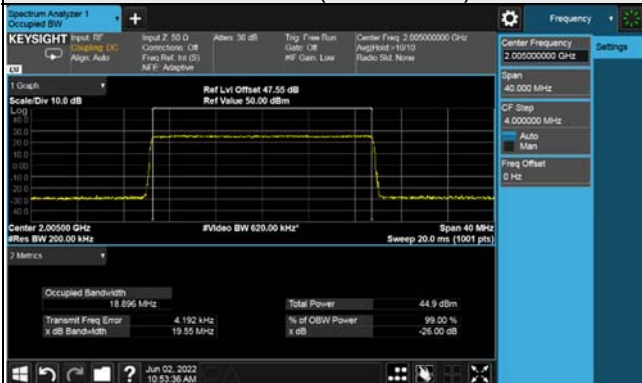


#### Ch 402000 (2010.0MHz)



256QAM

Ch 401000 (2005.0MHz)



Ch 401500 (2007.5MHz)



Ch 402000 (2010.0MHz)

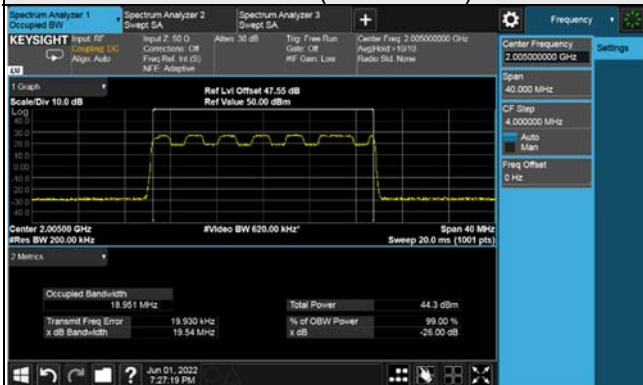




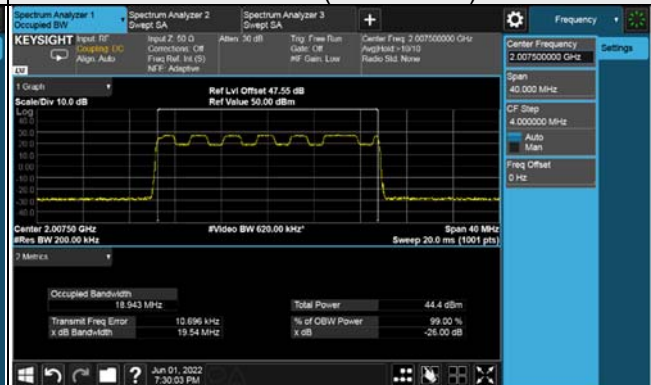
Ant. TX 2

OCP 99 Bandwidth  
QPSK

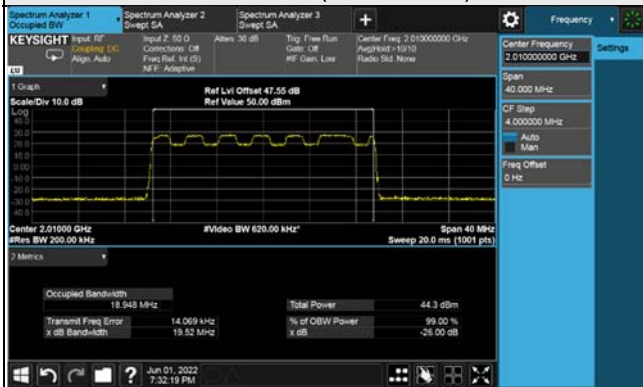
Ch 401000 (2005.0MHz)



Ch 401500 (2007.5MHz)

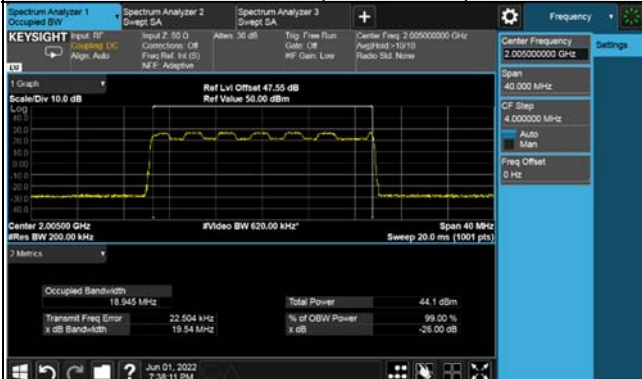


Ch 402000 (2010.0MHz)

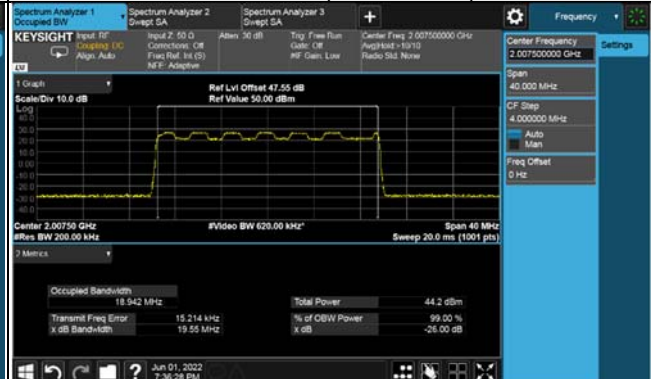


### 16QAM

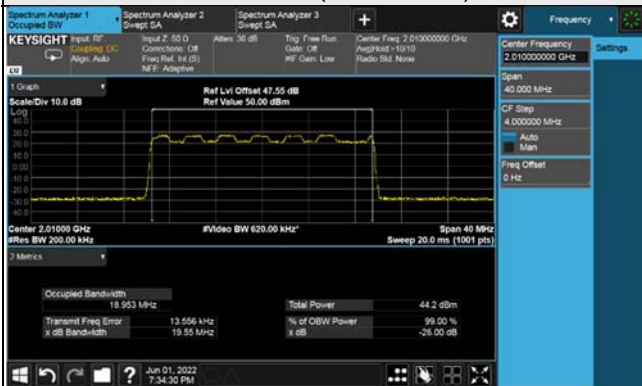
#### Ch 401000 (2005.0MHz)



#### Ch 401500 (2007.5MHz)

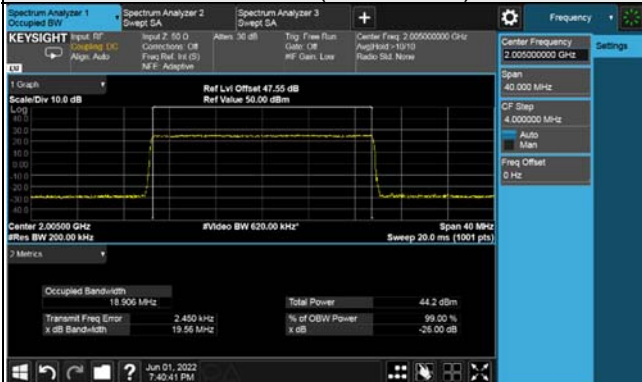


#### Ch 402000 (2010.0MHz)

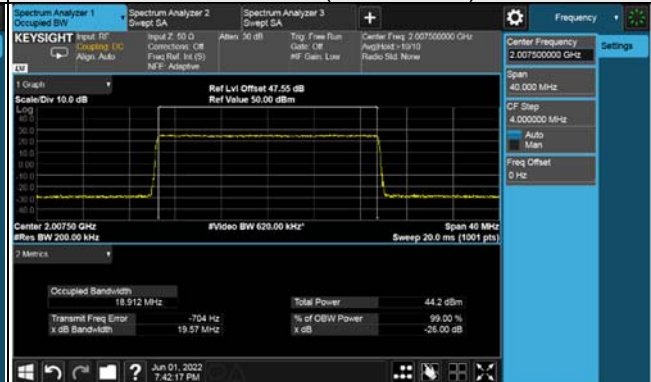


### 64QAM

#### Ch 401000 (2005.0MHz)



#### Ch 401500 (2007.5MHz)

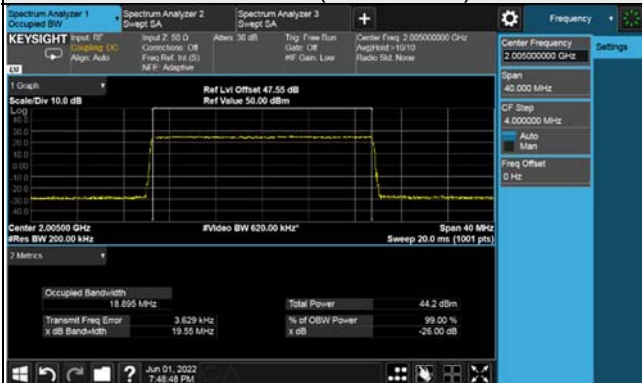


#### Ch 402000 (2010.0MHz)

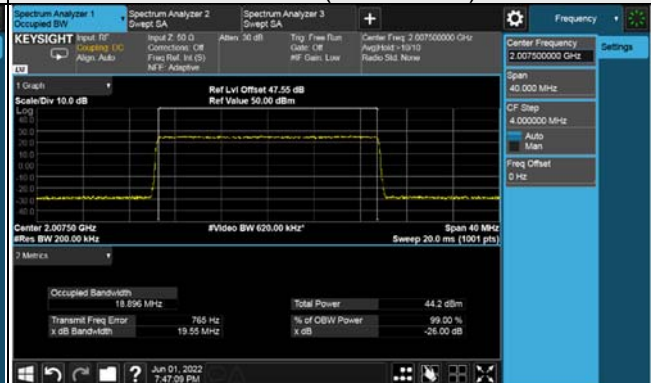


256QAM

Ch 401000 (2005.0MHz)



Ch 401500 (2007.5MHz)



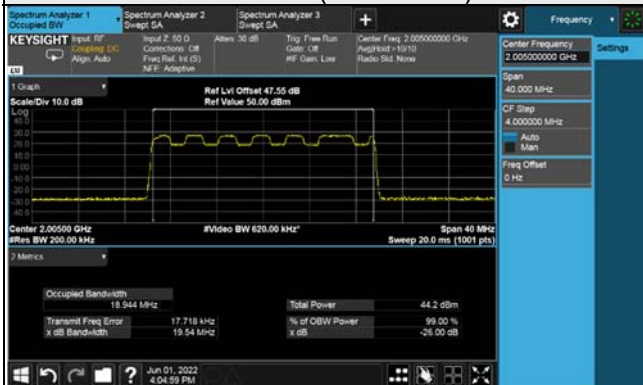
Ch 402000 (2010.0MHz)



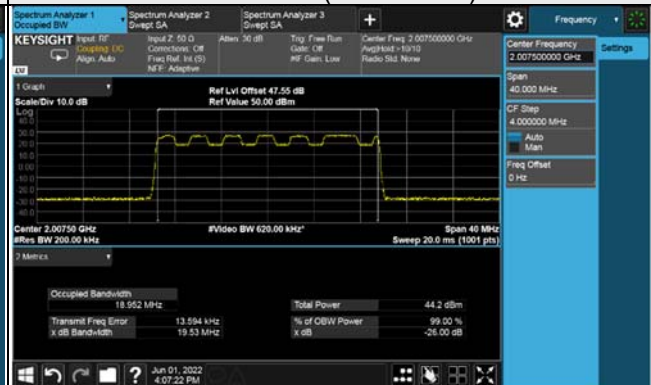
Ant. TX 3

OCP 99 Bandwidth  
QPSK

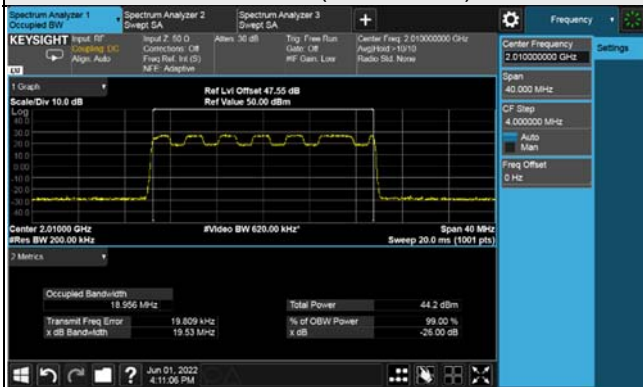
Ch 401000 (2005.0MHz)



Ch 401500 (2007.5MHz)

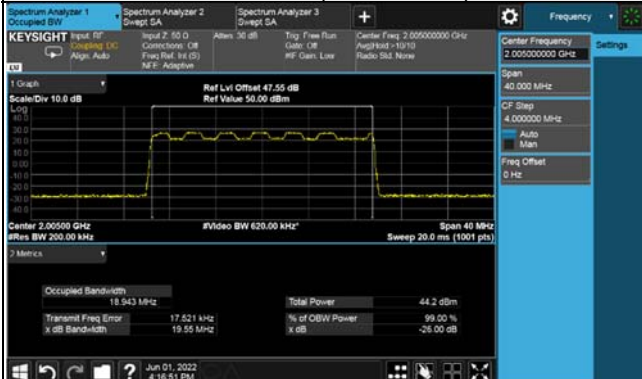


Ch 402000 (2010.0MHz)

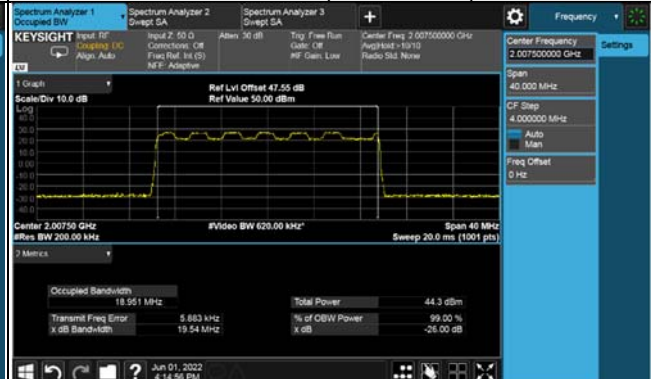


### 16QAM

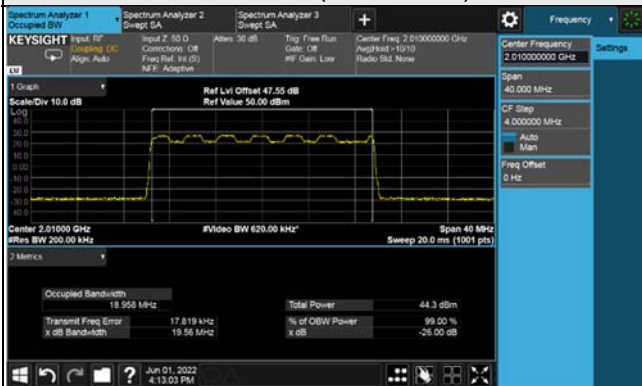
#### Ch 401000 (2005.0MHz)



#### Ch 401500 (2007.5MHz)

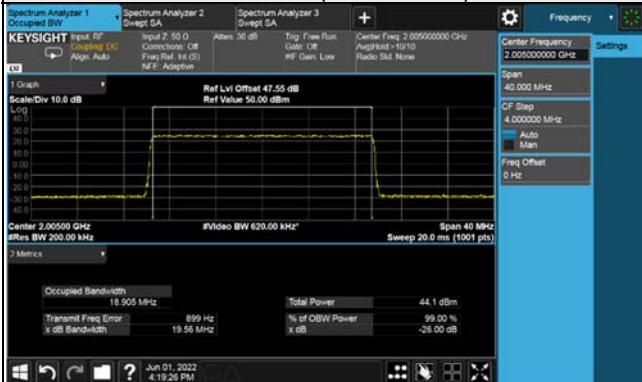


#### Ch 402000 (2010.0MHz)

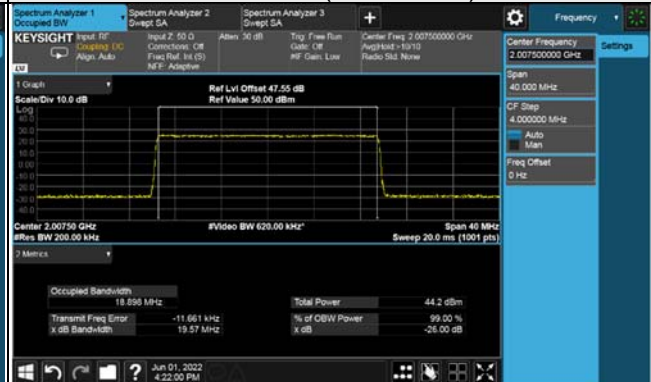


### 64QAM

#### Ch 401000 (2005.0MHz)



#### Ch 401500 (2007.5MHz)



#### Ch 402000 (2010.0MHz)



256QAM

Ch 401000 (2005.0MHz)



Ch 401500 (2007.5MHz)



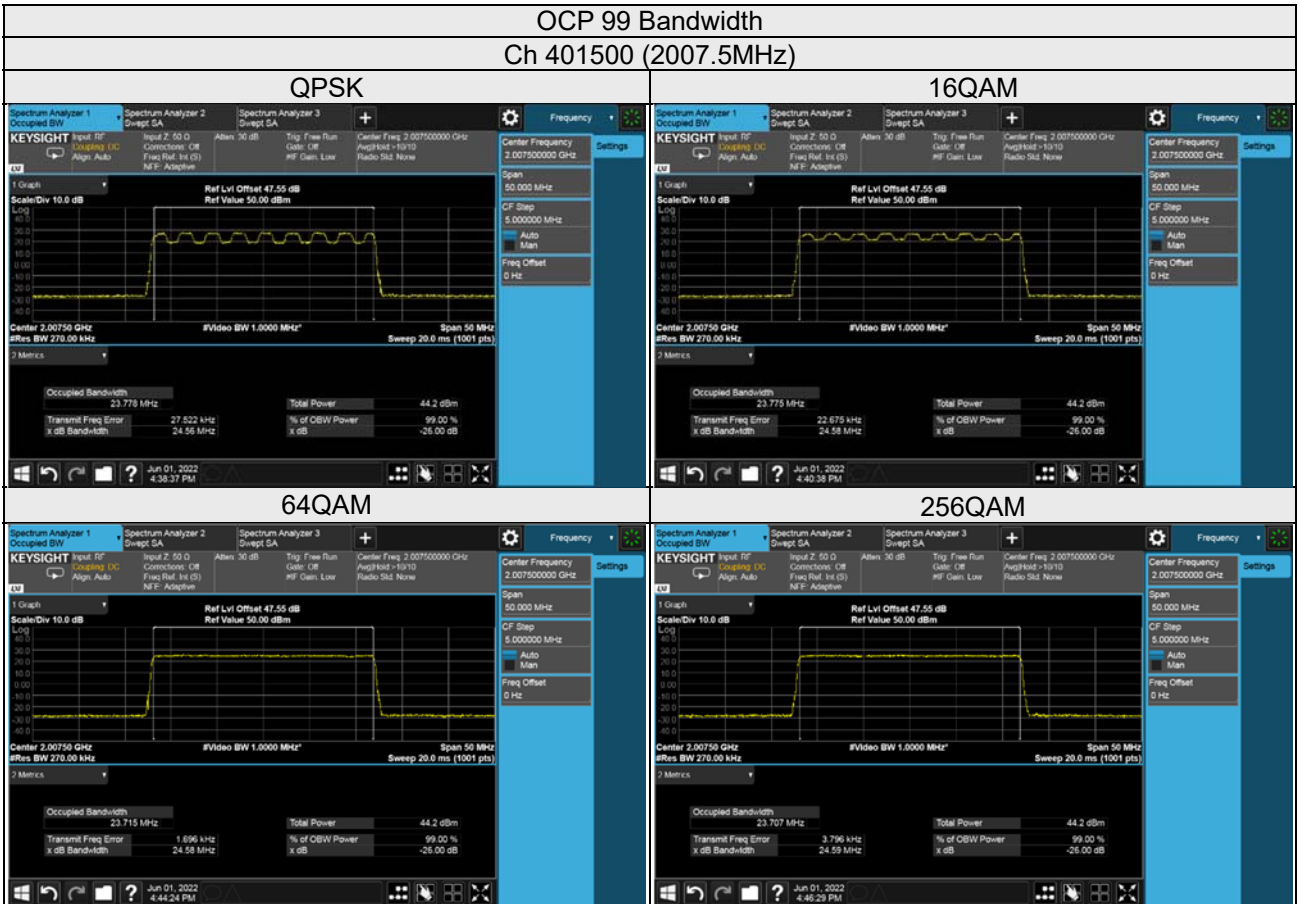
Ch 402000 (2010.0MHz)



### 25MHz

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
401500	2007.5	23.78	23.78	23.72	23.71	23.78	23.77	23.72	23.71	23.78	23.77	23.71	23.71	23.78	23.77	23.70	23.71

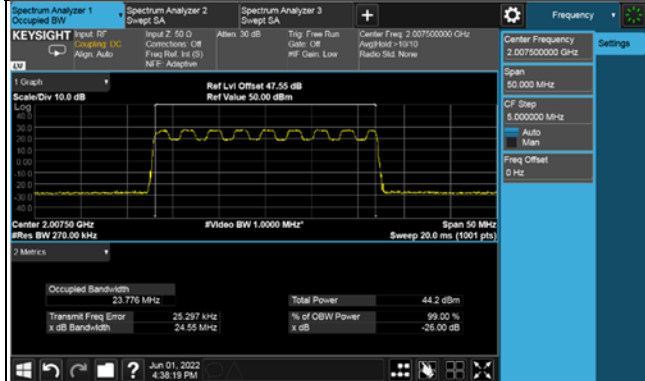
### Ant. TX 0



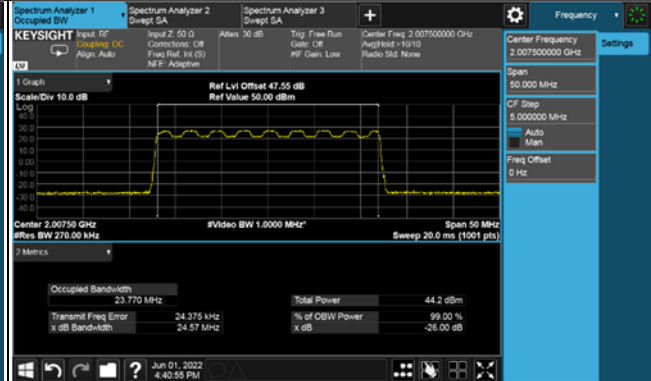
Ant. TX 1

OCP 99 Bandwidth  
Ch 401500 (2007.5MHz)

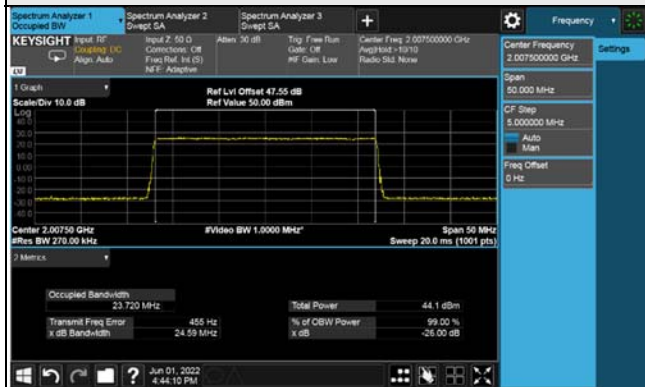
QPSK



16QAM



64QAM



256QAM

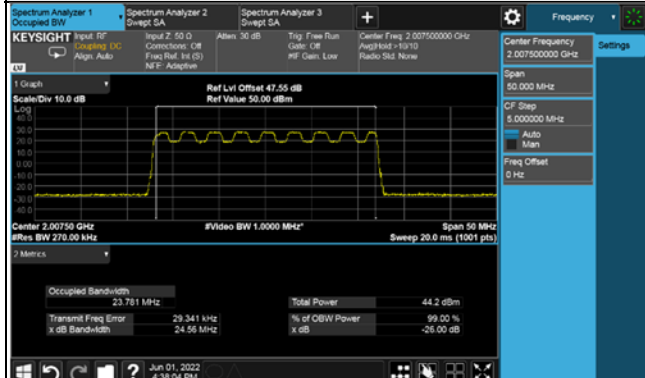




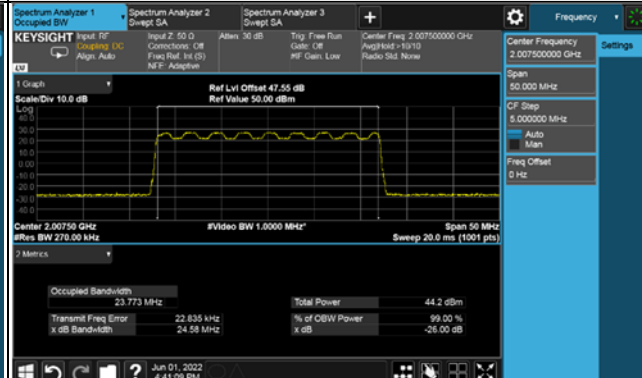
Ant. TX 2

OCP 99 Bandwidth  
Ch 401500 (2007.5MHz)

QPSK



16QAM



64QAM



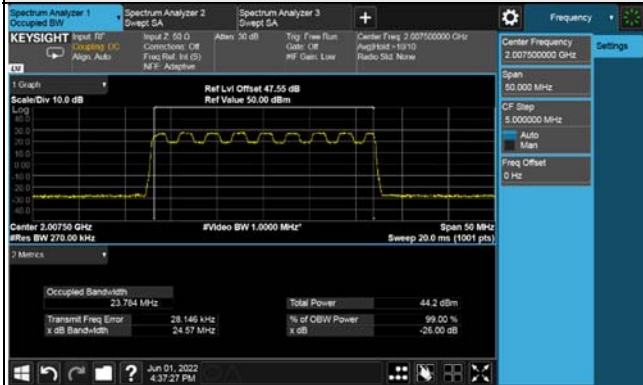
256QAM



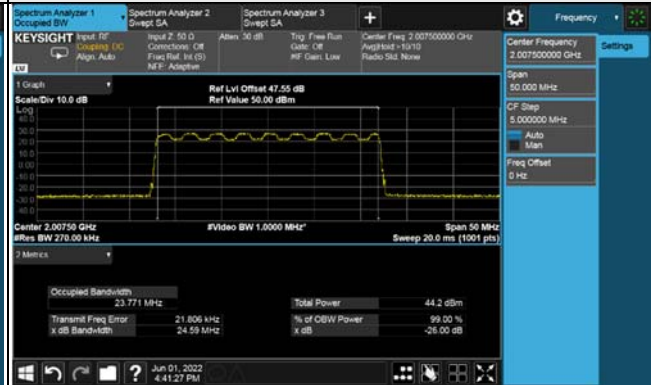
Ant. TX 3

OCP 99 Bandwidth  
Ch 401500 (2007.5MHz)

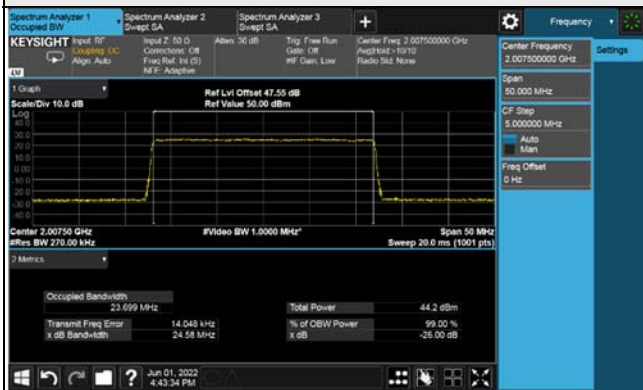
QPSK



16QAM



64QAM



256QAM

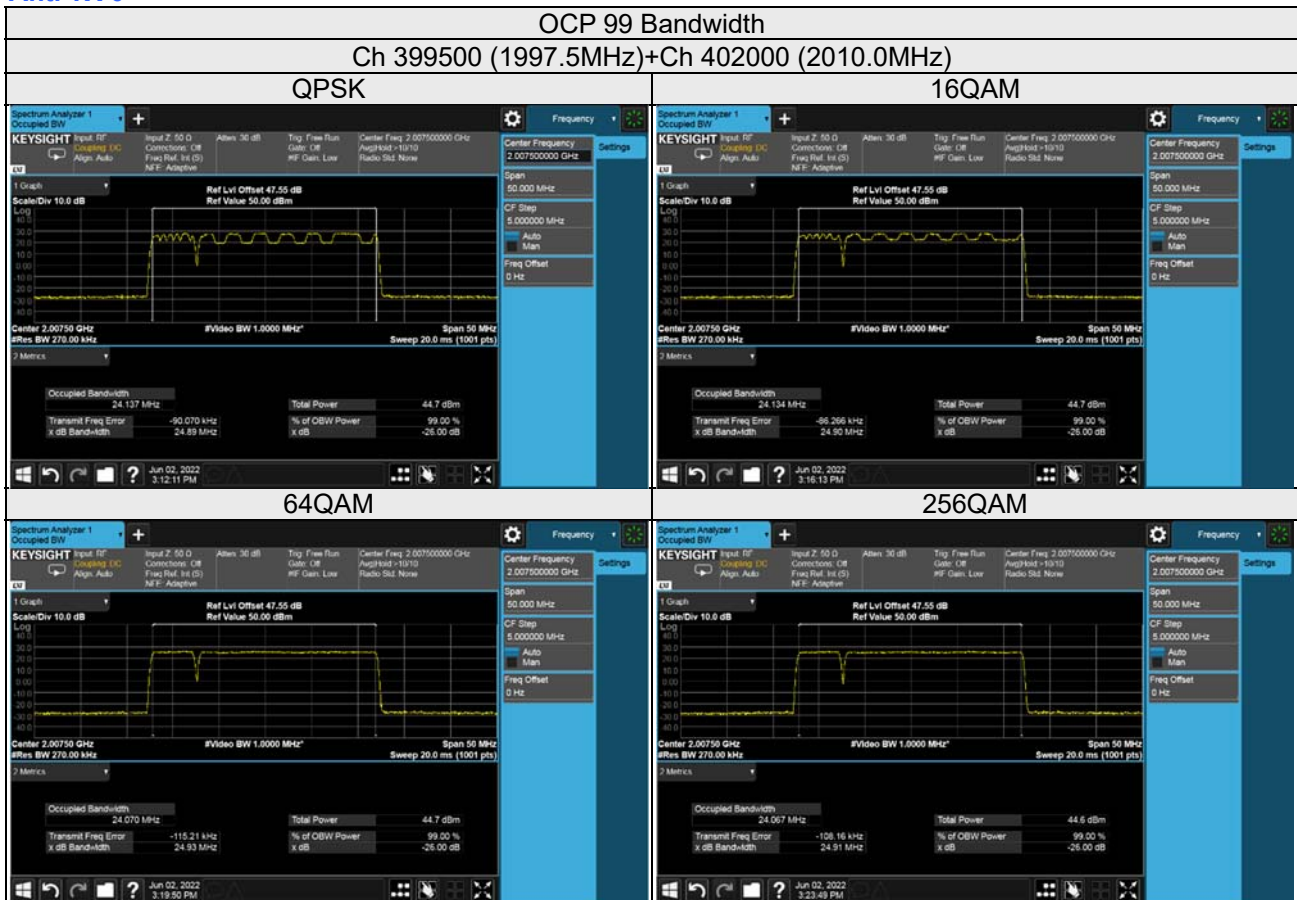


## CA-Contiguous

### 5MHz+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
399500+402000	1997.5+2010.0	24.14	24.13	24.07	24.07	24.13	24.14	24.06	24.07	24.13	24.14	24.06	24.07	24.13	24.13	24.05	24.08

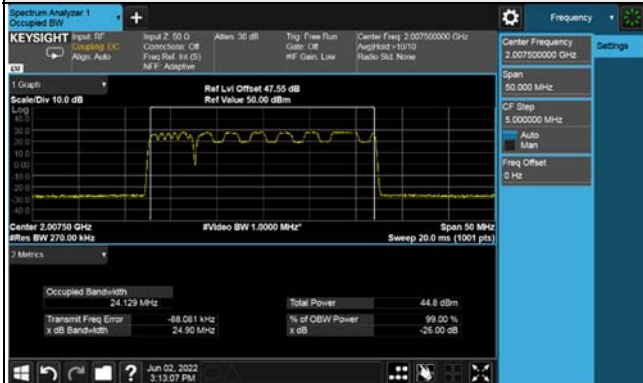
### Ant. TX 0



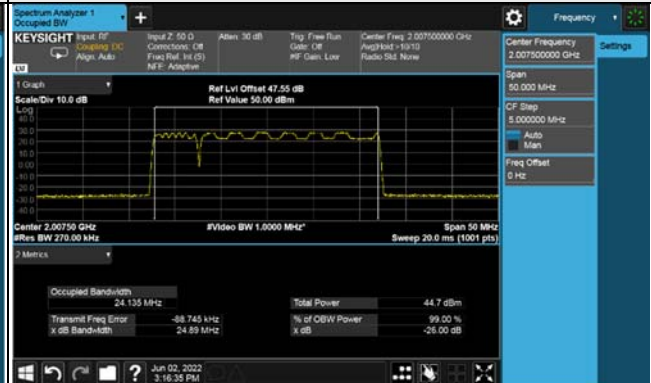
Ant. TX 1

OCP 99 Bandwidth  
Ch 399500 (1997.5MHz)+Ch 402000 (2010.0MHz)

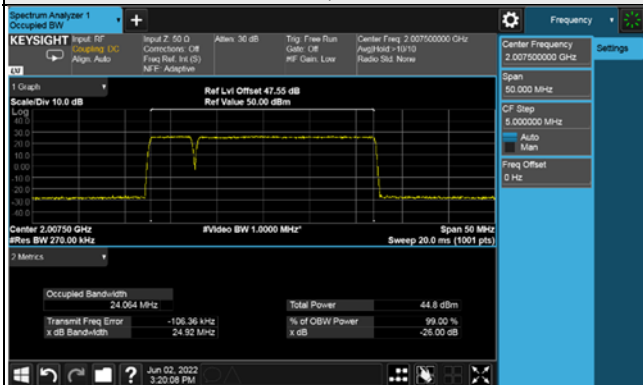
QPSK



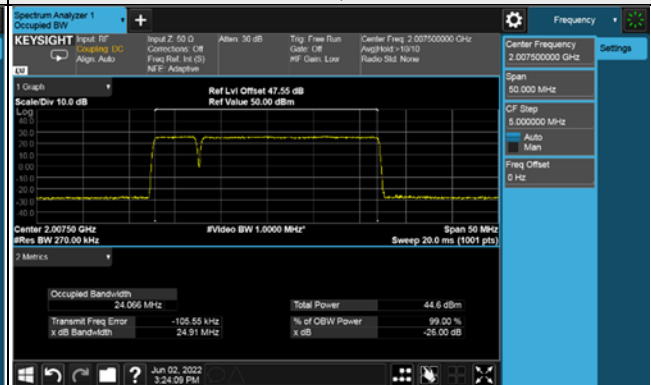
16QAM



64QAM



256QAM

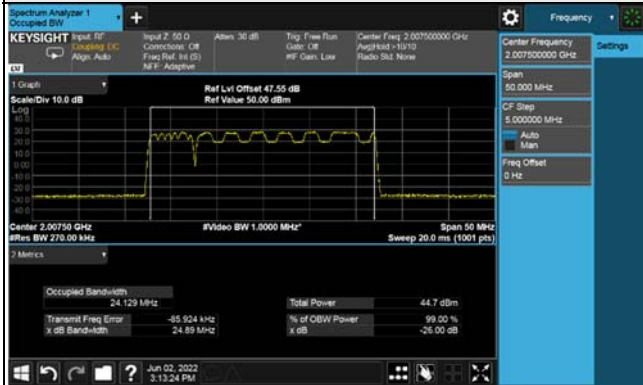


Ant. TX 2

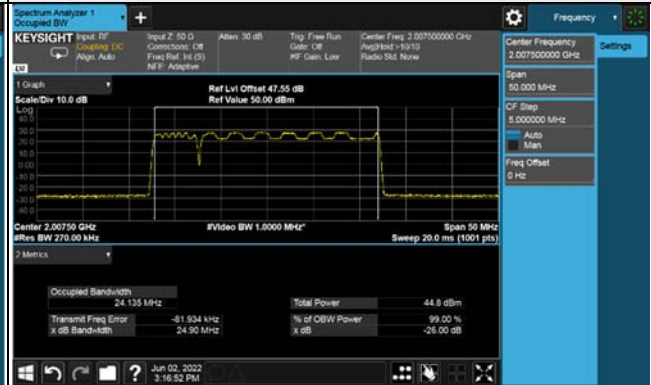
OCP 99 Bandwidth

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

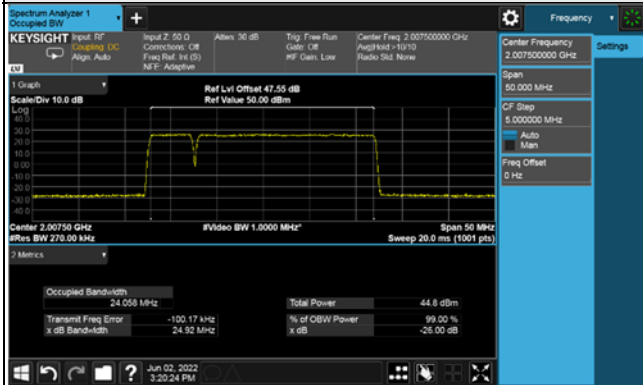
QPSK



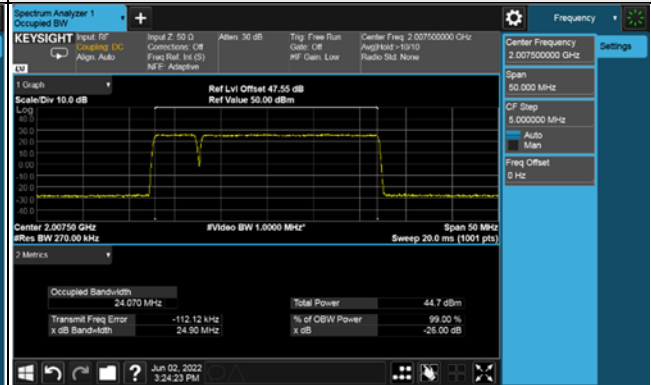
16QAM



64QAM



256QAM



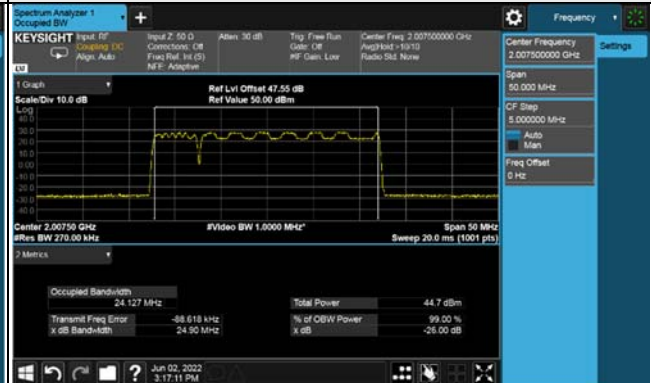
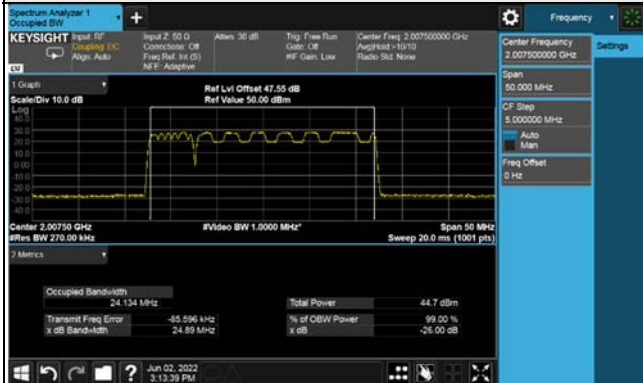
Ant. TX 3

OCP 99 Bandwidth

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

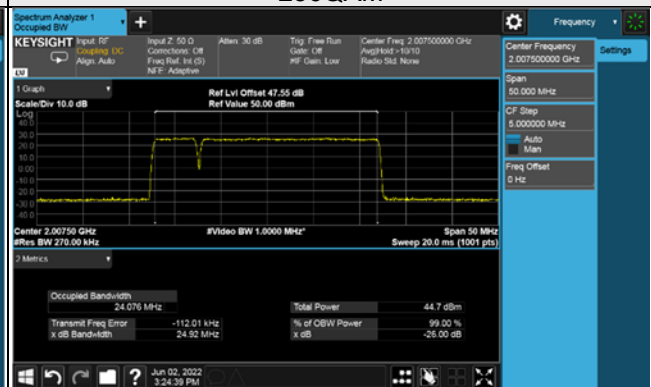
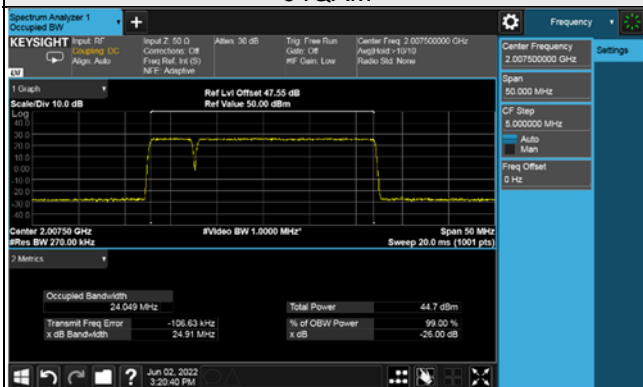
QPSK

16QAM



64QAM

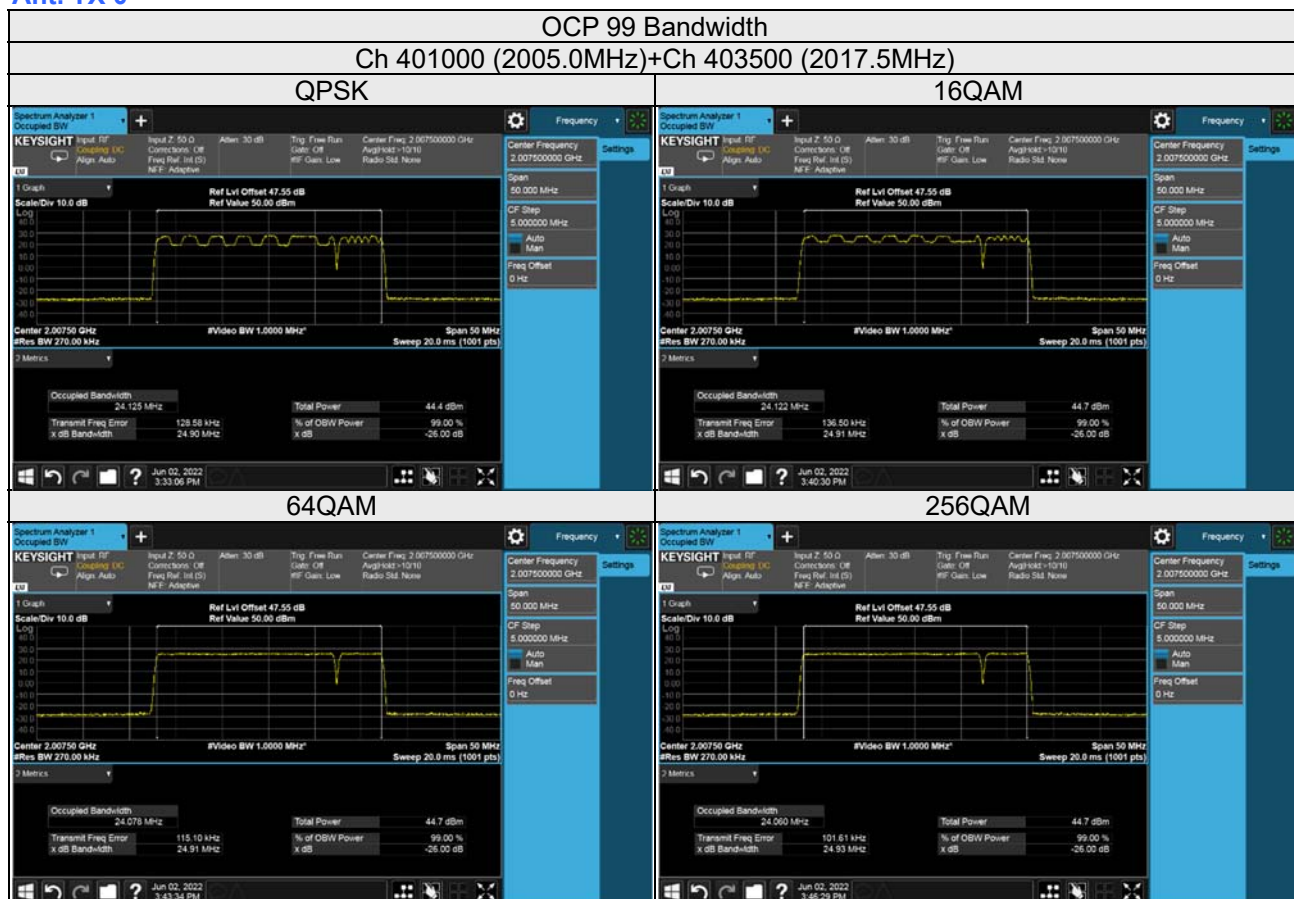
256QAM



### 20MHz+5MHz

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
401000+403500	2005.0+2017.5	24.13	24.12	24.08	24.06	24.13	24.13	24.08	24.07	24.12	24.12	24.09	24.07	24.14	24.12	24.09	24.06

### Ant. TX 0

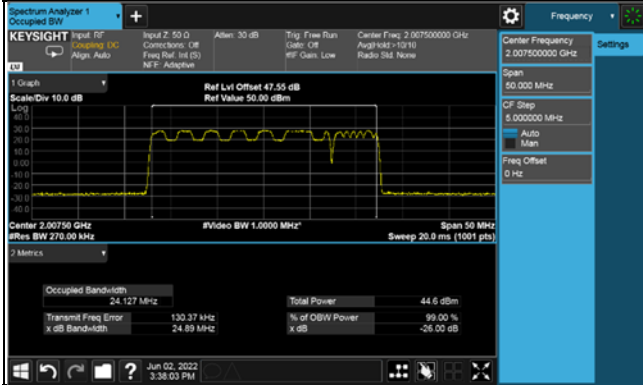


Ant. TX 1

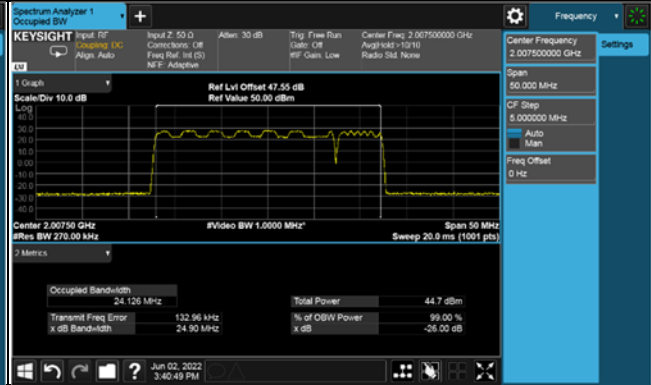
OCP 99 Bandwidth

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

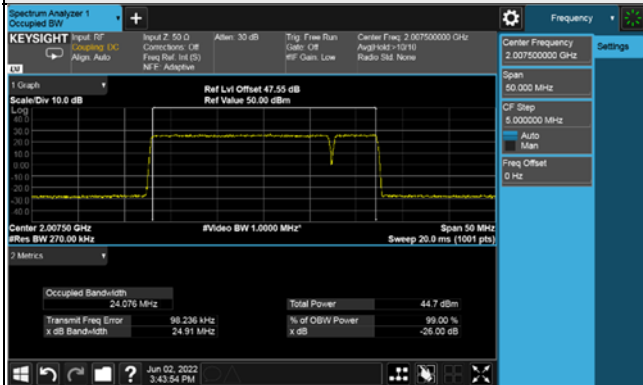
QPSK



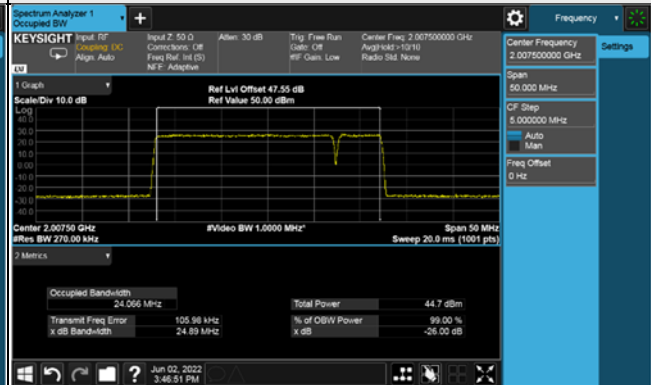
16QAM



64QAM



256QAM





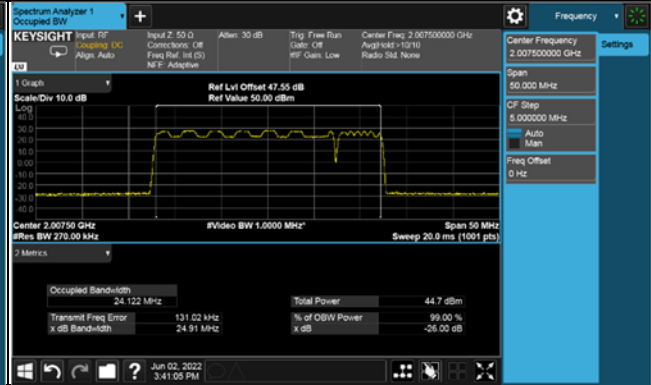
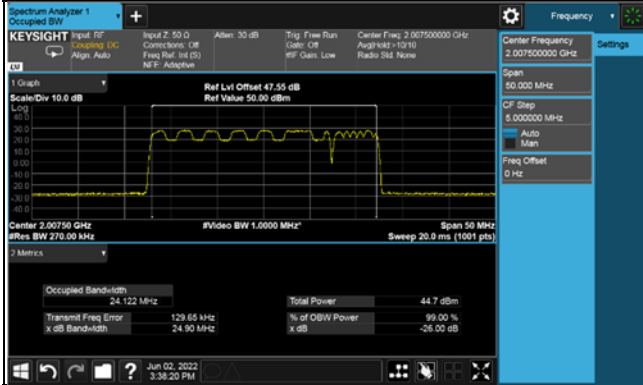
Ant. TX 2

OCP 99 Bandwidth

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

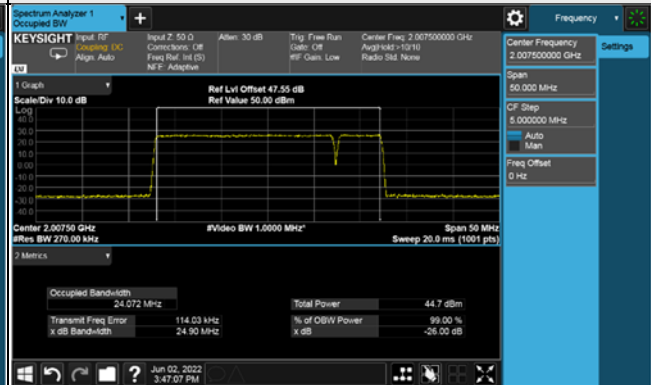
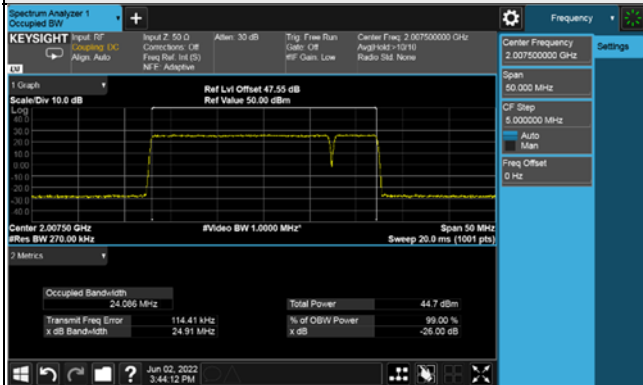
QPSK

16QAM



64QAM

256QAM



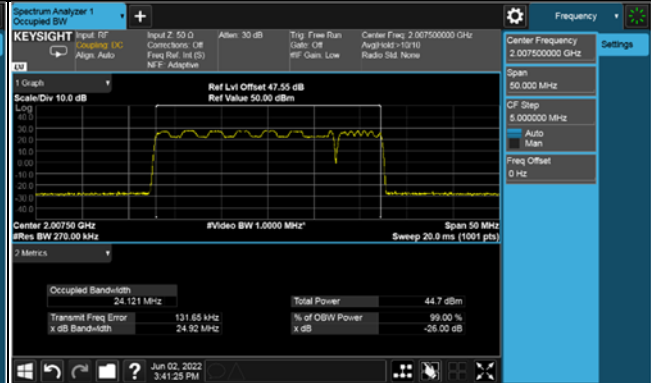
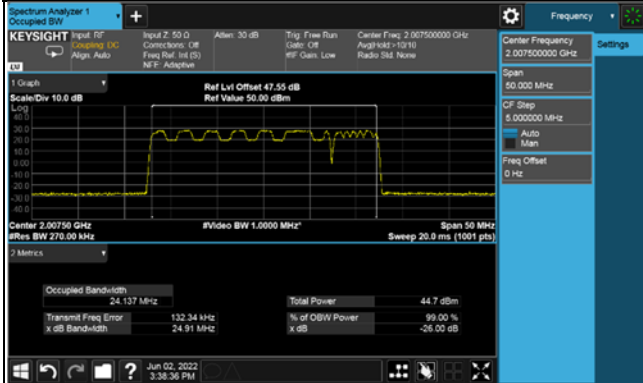
Ant. TX 3

OCP 99 Bandwidth

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

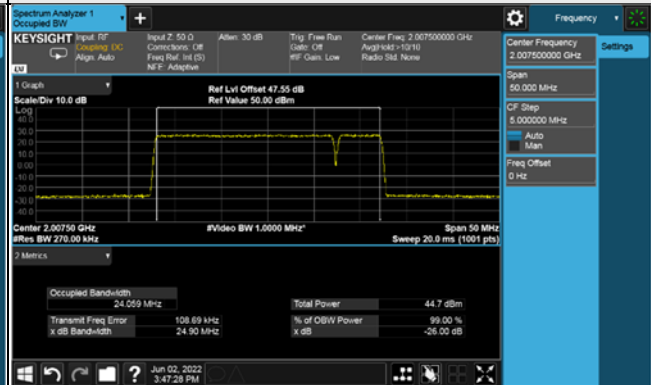
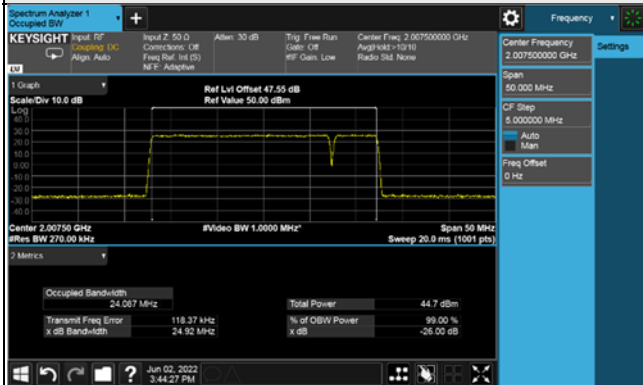
QPSK

16QAM



64QAM

256QAM



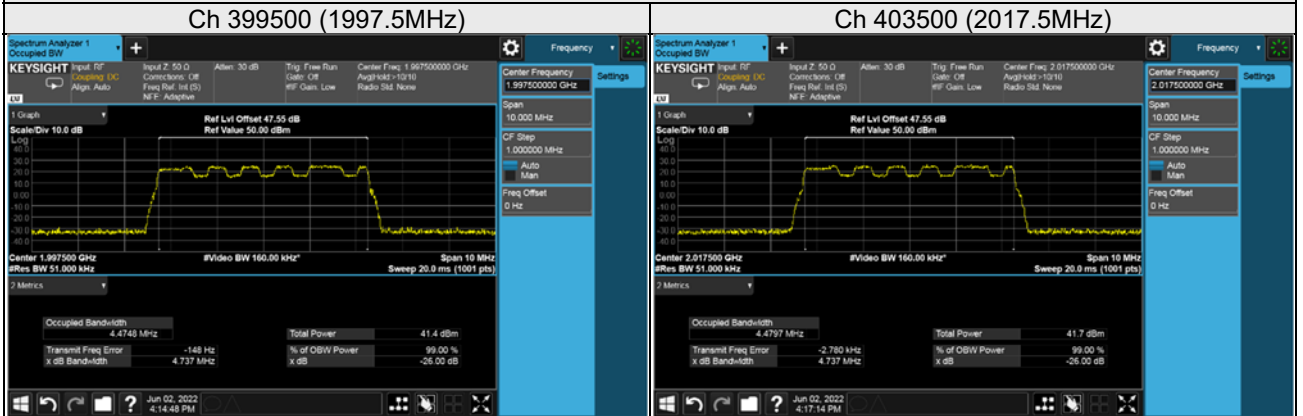
## CA-Non-Contiguous

### 5MHz+5MHz

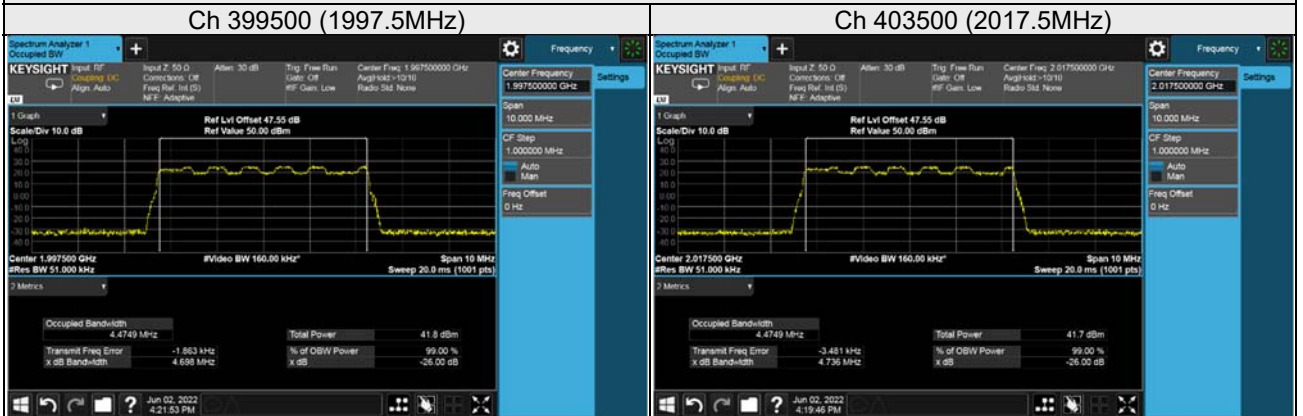
Channel Number	Freq. (MHz)	OCP 99 Bandwidth (MHz)															
		Ant. TX0				Ant. TX1				Ant. TX2				Ant. TX3			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
399500+403500	1997.5	4.47	4.47	4.47	4.46	4.48	4.47	4.47	4.46	4.48	4.47	4.46	4.45	4.48	4.48	4.46	4.45
	2017.5	4.48	4.47	4.47	4.47	4.48	4.48	4.47	4.46	4.48	4.48	4.47	4.46	4.48	4.48	4.47	4.47
	Total	8.95	8.94	8.94	8.93	8.96	8.95	8.94	8.92	8.96	8.95	8.93	8.91	8.96	8.96	8.93	8.92

### Ant. TX 0

OCP 99 Bandwidth	
QPSK	



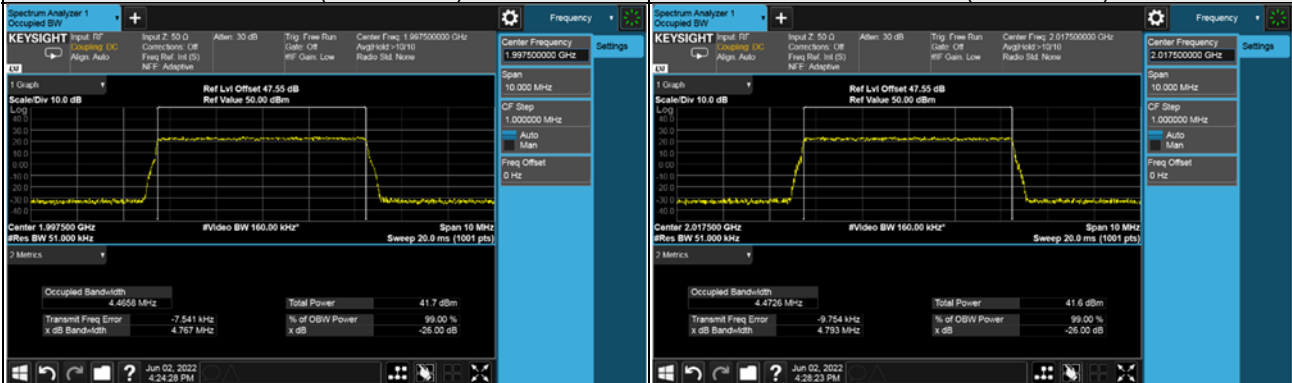
16QAM	
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### 64QAM

Ch 399500 (1997.5MHz)

Ch 403500 (2017.5MHz)



### 256QAM

Ch 399500 (1997.5MHz)

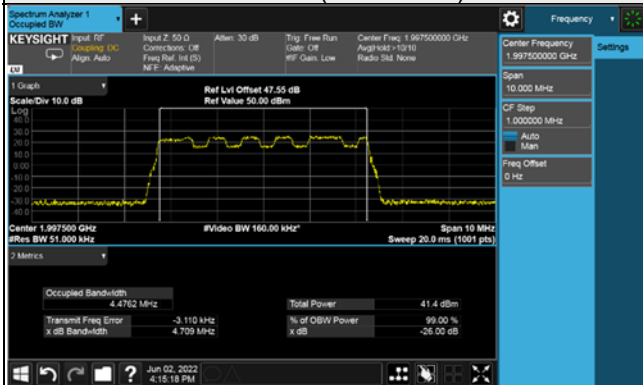
Ch 403500 (2017.5MHz)



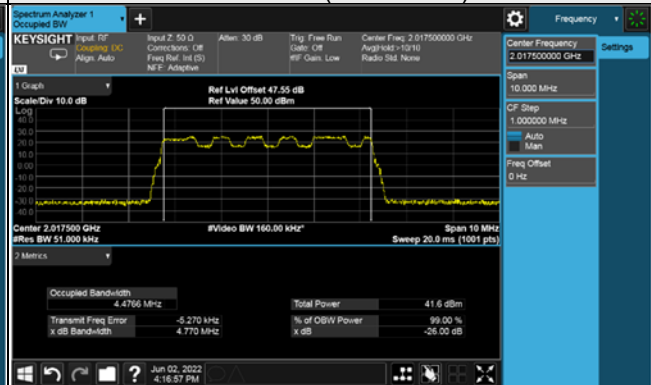
Ant. TX 1

OCP 99 Bandwidth  
QPSK

Ch 399500 (1997.5MHz)

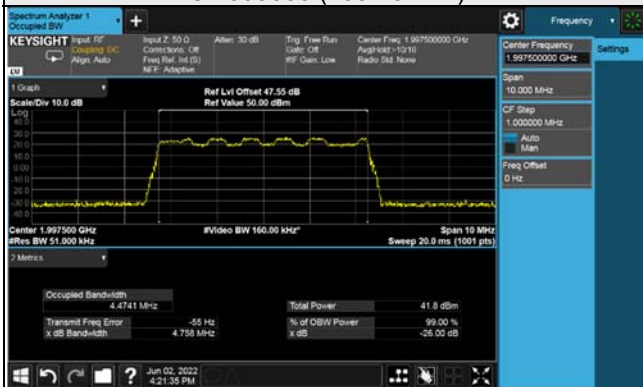


Ch 403500 (2017.5MHz)

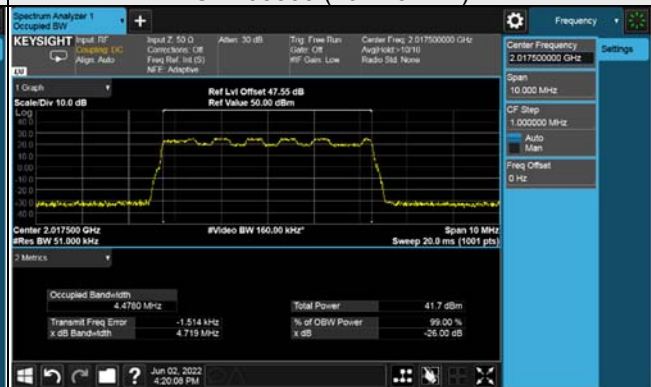


16QAM

Ch 399500 (1997.5MHz)

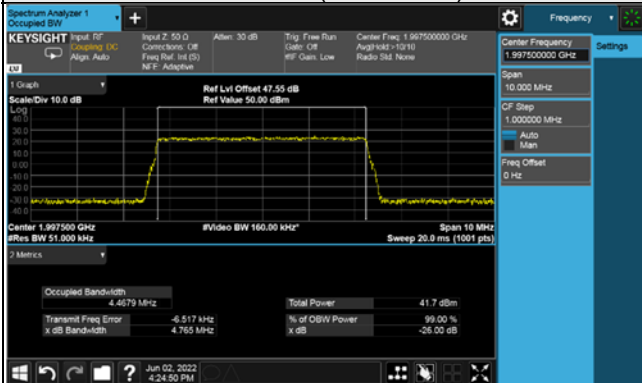


Ch 403500 (2017.5MHz)

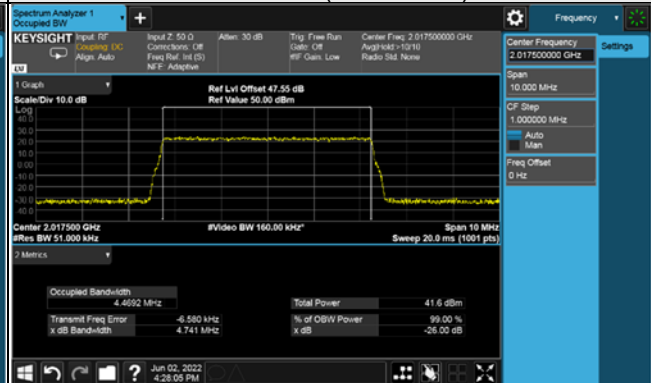


### 64QAM

#### Ch 399500 (1997.5MHz)



#### Ch 403500 (2017.5MHz)

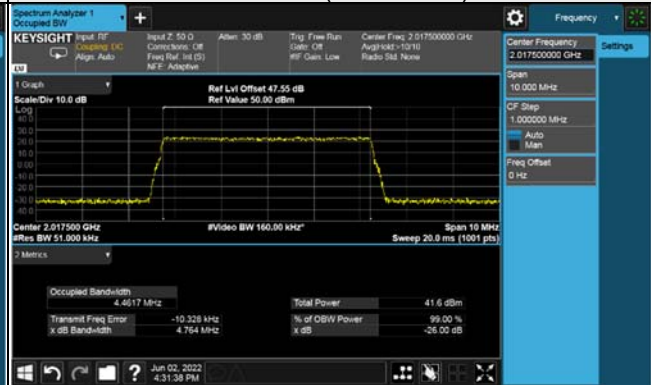


### 256QAM

#### Ch 399500 (1997.5MHz)



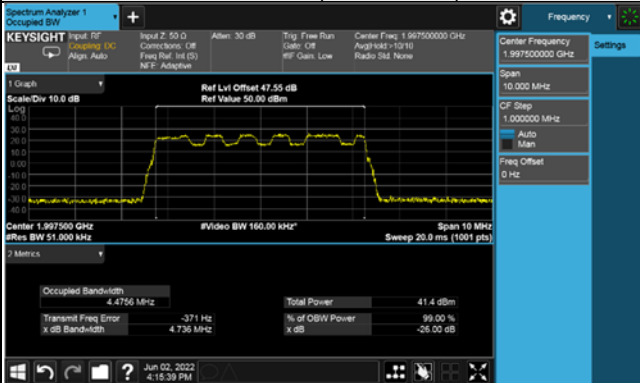
#### Ch 403500 (2017.5MHz)



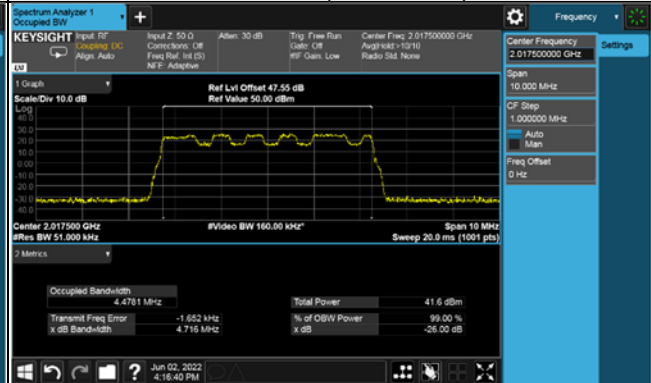
Ant. TX 2

OCP 99 Bandwidth  
QPSK

Ch 399500 (1997.5MHz)

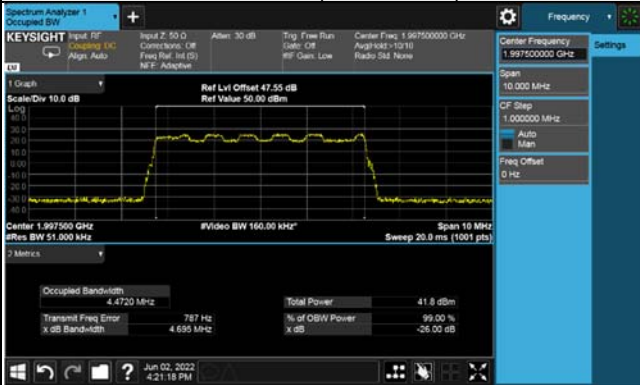


Ch 403500 (2017.5MHz)

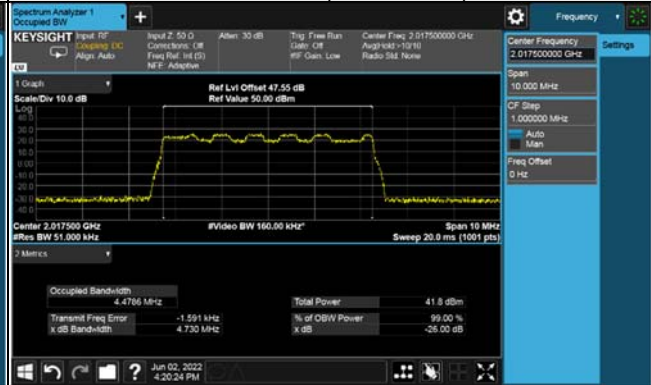


16QAM

Ch 399500 (1997.5MHz)

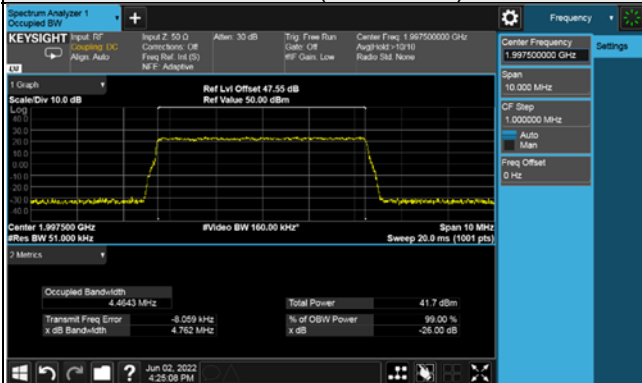


Ch 403500 (2017.5MHz)

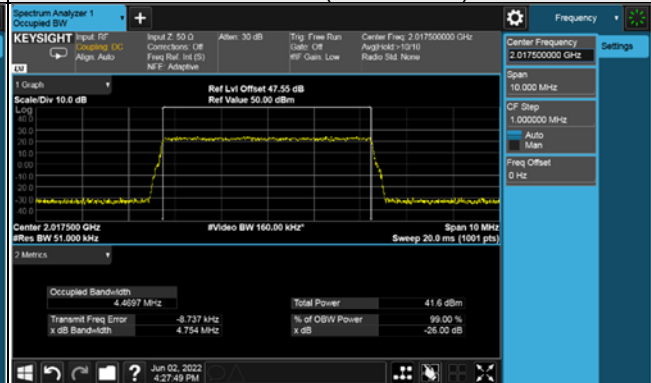


### 64QAM

#### Ch 399500 (1997.5MHz)

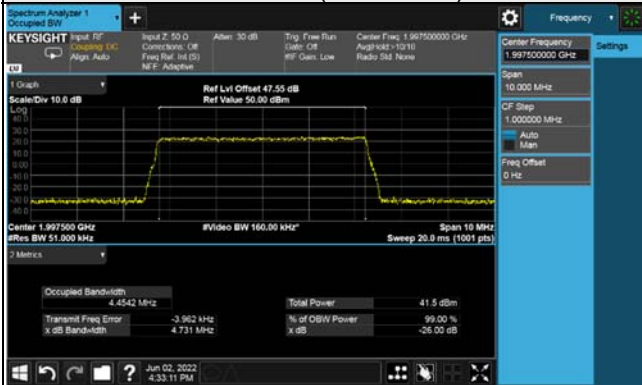


#### Ch 403500 (2017.5MHz)

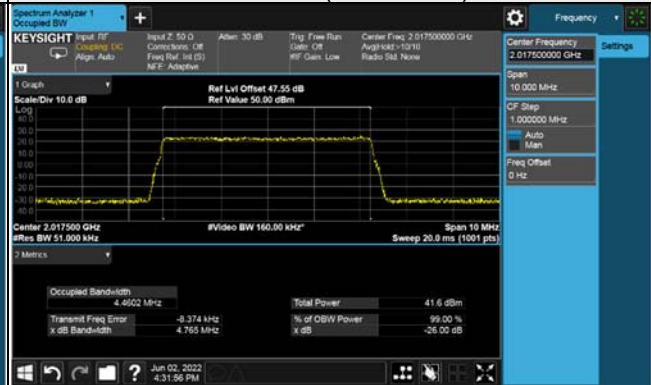


### 256QAM

#### Ch 399500 (1997.5MHz)



#### Ch 403500 (2017.5MHz)

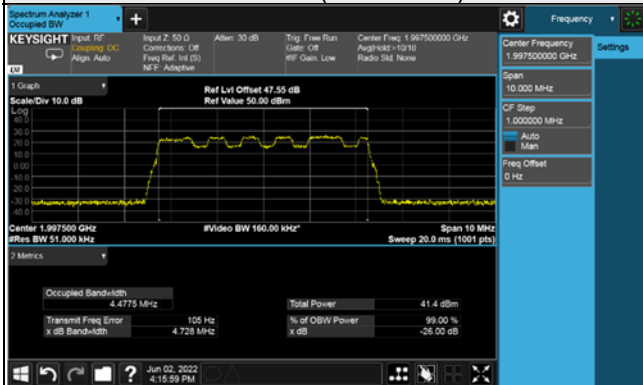




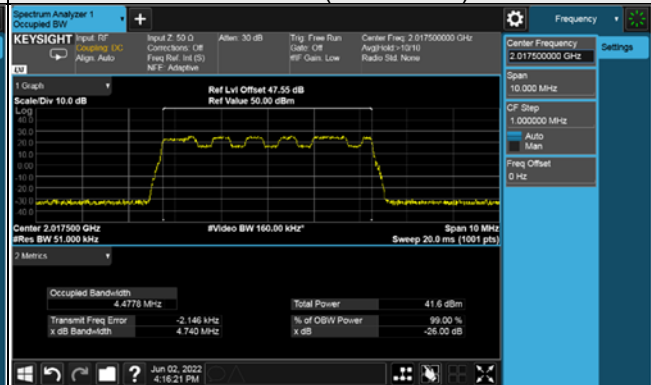
Ant. TX 3

OCP 99 Bandwidth  
QPSK

Ch 399500 (1997.5MHz)

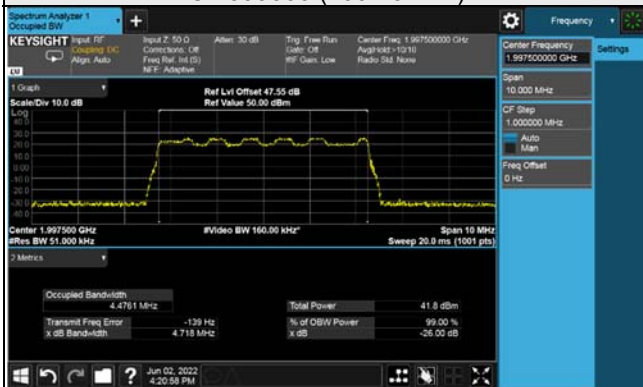


Ch 403500 (2017.5MHz)



16QAM

Ch 399500 (1997.5MHz)



Ch 403500 (2017.5MHz)

