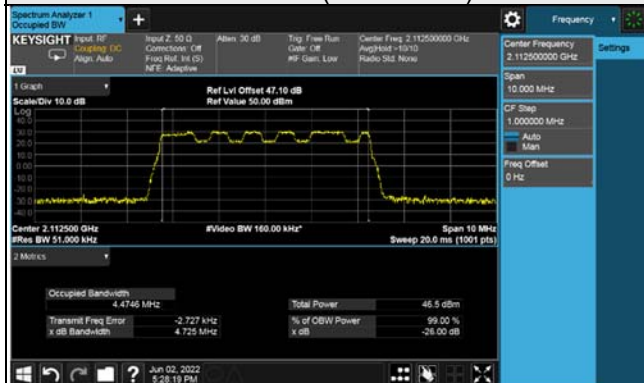


Ant. TX 3

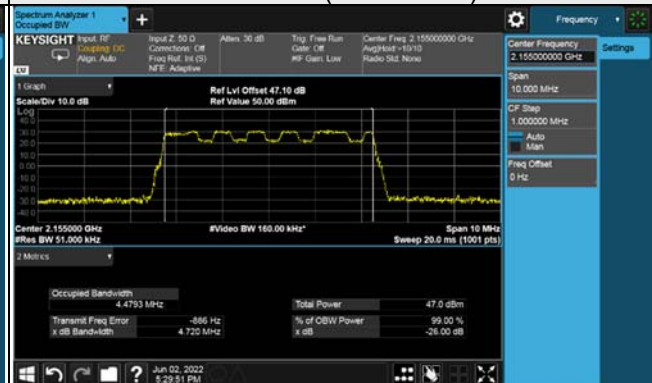
OCP 99 Bandwidth

QPSK

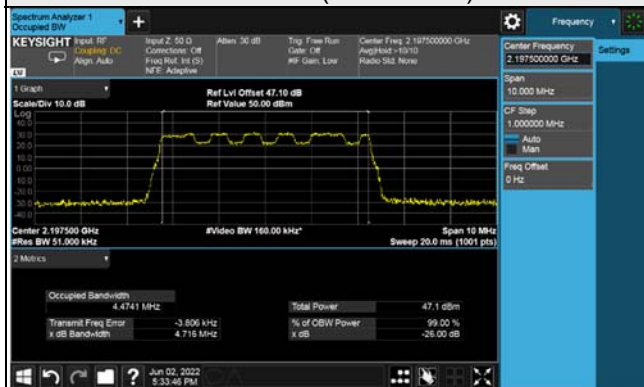
Ch 422500 (2112.5MHz)



Ch 431000 (2155.0MHz)

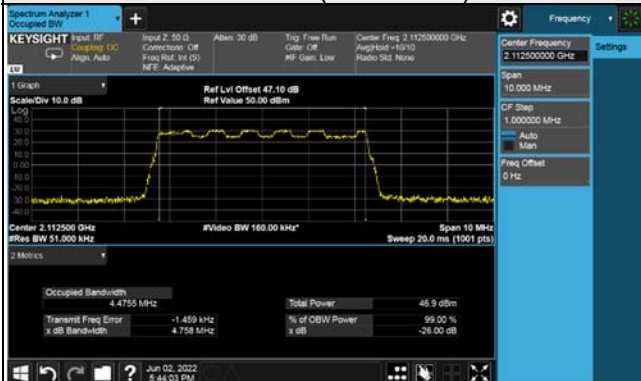


Ch 439500 (2197.5MHz)

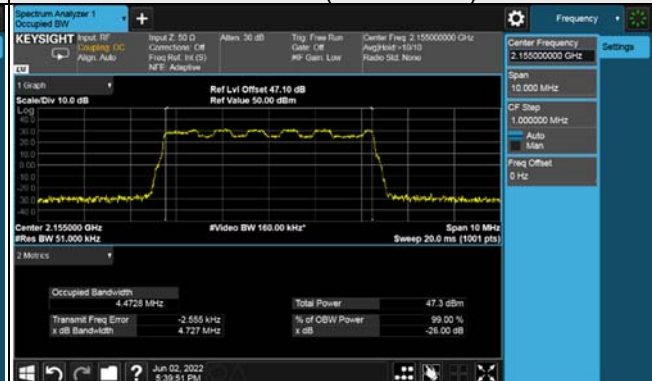


16QAM

Ch 422500 (2112.5MHz)



Ch 431000 (2155.0MHz)

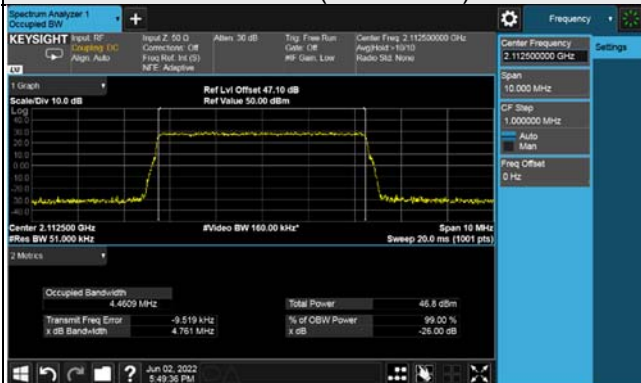


Ch 439500 (2197.5MHz)

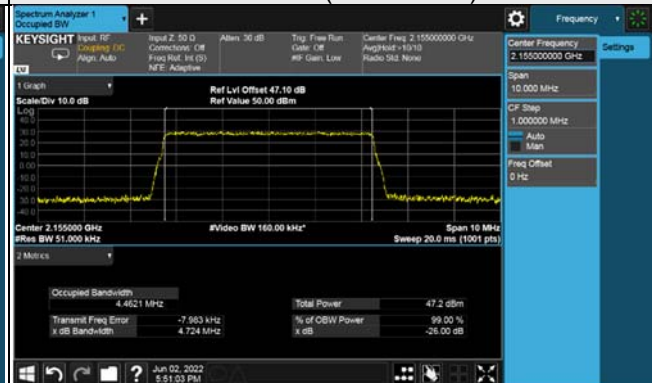


64QAM

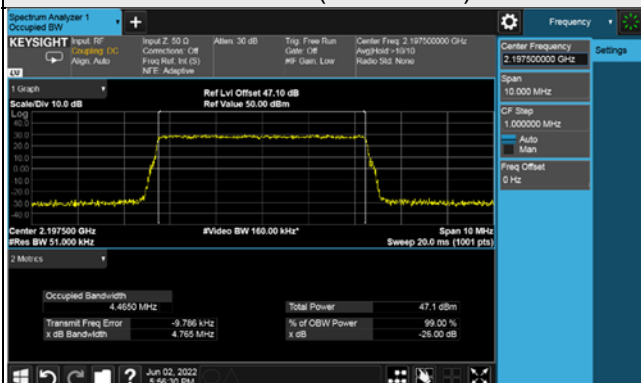
Ch 422500 (2112.5MHz)



Ch 431000 (2155.0MHz)

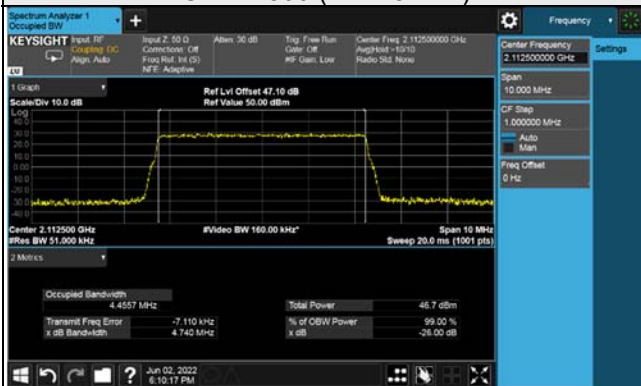


Ch 439500 (2197.5MHz)

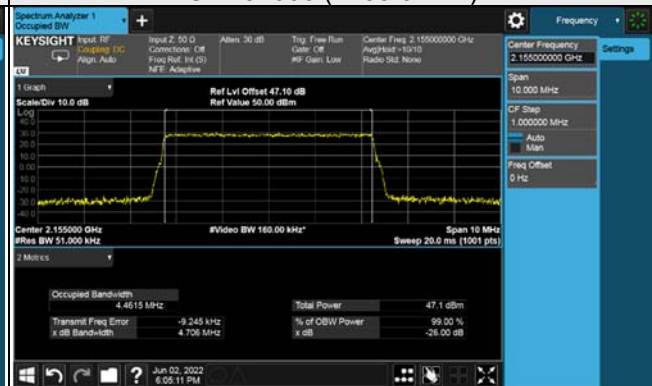


256QAM

Ch 422500 (2112.5MHz)



Ch 431000 (2155.0MHz)



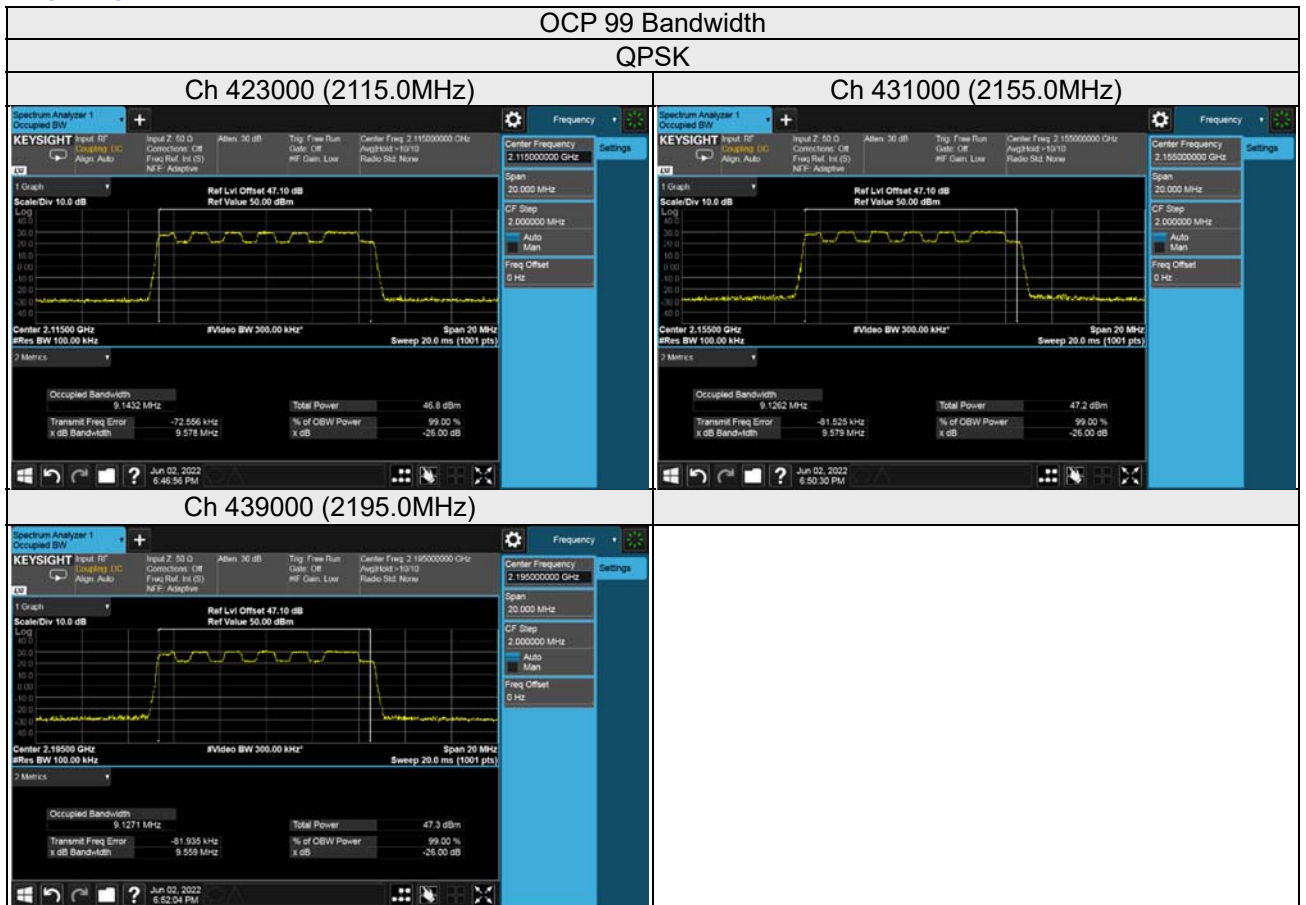
Ch 439500 (2197.5MHz)



10MHz

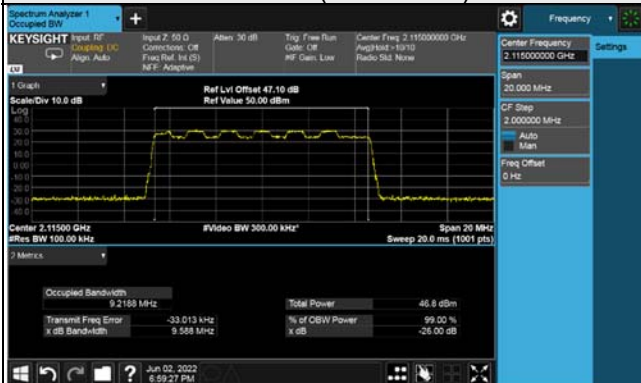
Channel Number	Freq. (MHz)	OCP 99 Bandwidth (MHz)															
		Ant. TX0				Ant. TX1				Ant. TX2				Ant. TX3			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
423000	2115	9.14	9.22	9.27	9.26	9.14	9.22	9.27	9.27	9.14	9.23	9.27	9.27	9.14	9.22	9.27	9.26
431000	2155	9.13	9.22	9.27	9.26	9.13	9.22	9.27	9.25	9.13	9.22	9.27	9.26	9.13	9.23	9.27	9.26
439000	2195	9.13	9.21	9.26	9.26	9.13	9.22	9.26	9.27	9.13	9.21	9.27	9.26	9.12	9.22	9.27	9.25

Ant. TX 0



16QAM

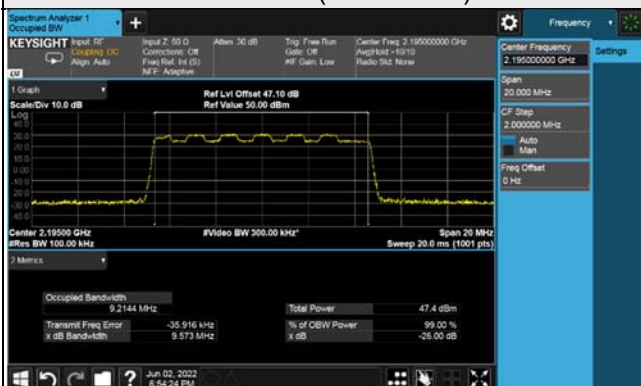
Ch 423000 (2115.0MHz)



Ch 431000 (2155.0MHz)

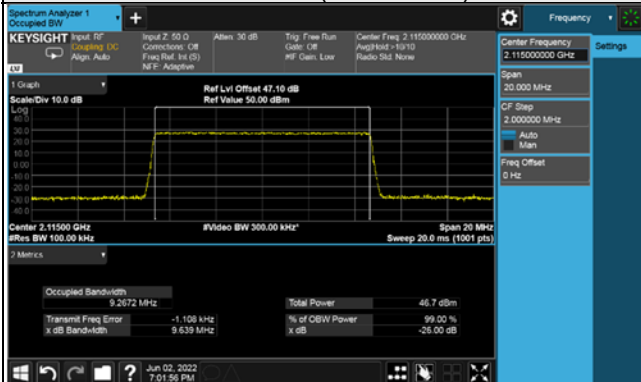


Ch 439000 (2195.0MHz)

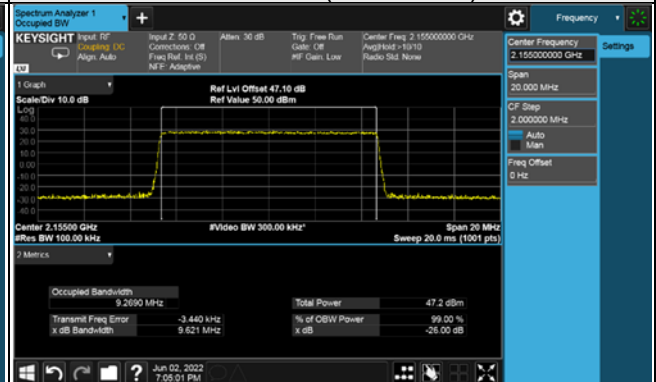


64QAM

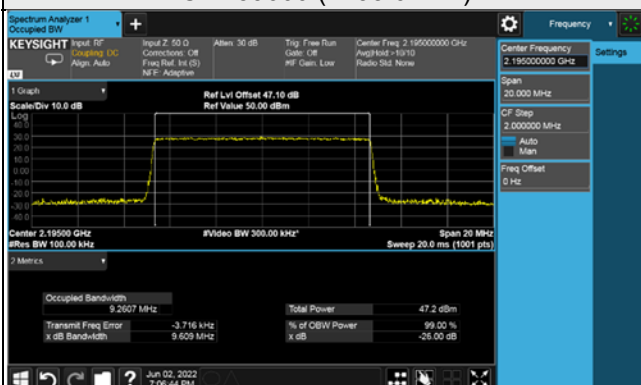
Ch 423000 (2115.0MHz)



Ch 431000 (2155.0MHz)

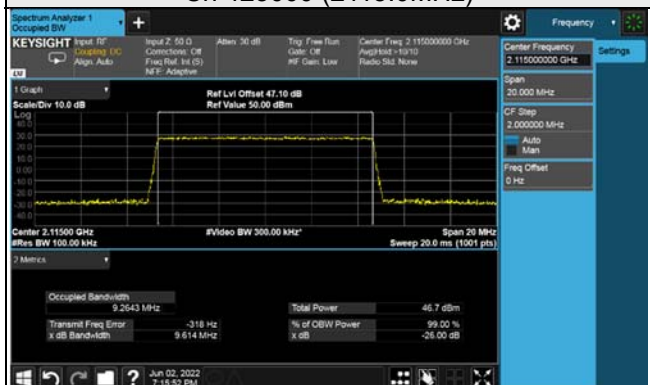


Ch 439000 (2195.0MHz)

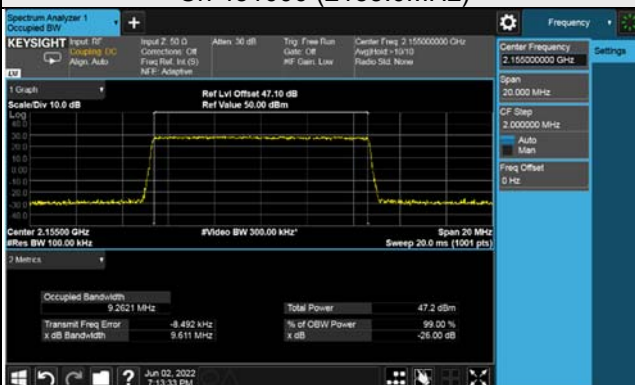


256QAM

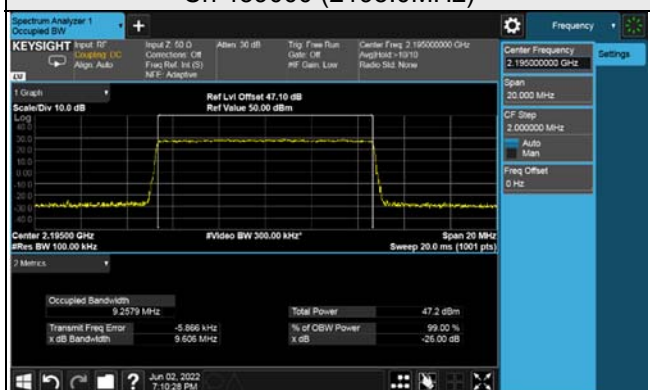
Ch 423000 (2115.0MHz)



Ch 431000 (2155.0MHz)



Ch 439000 (2195.0MHz)

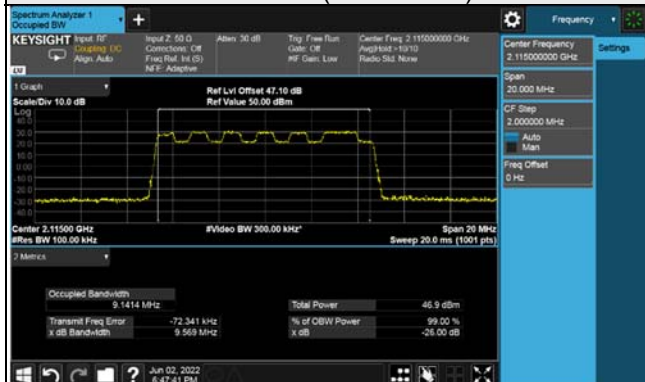


Ant. TX 1

OCP 99 Bandwidth

QPSK

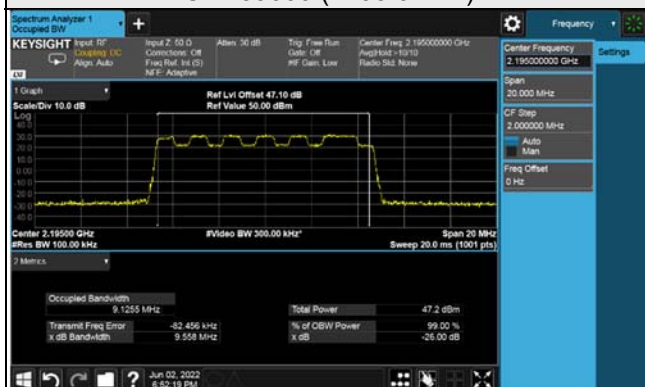
Ch 423000 (2115.0MHz)



Ch 431000 (2155.0MHz)



Ch 439000 (2195.0MHz)



16QAM

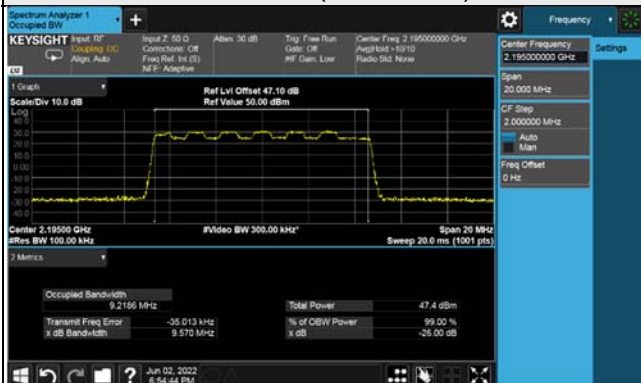
Ch 423000 (2115.0MHz)



Ch 431000 (2155.0MHz)

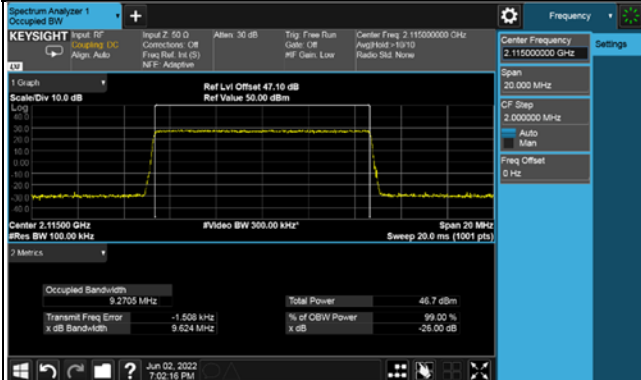


Ch 439000 (2195.0MHz)

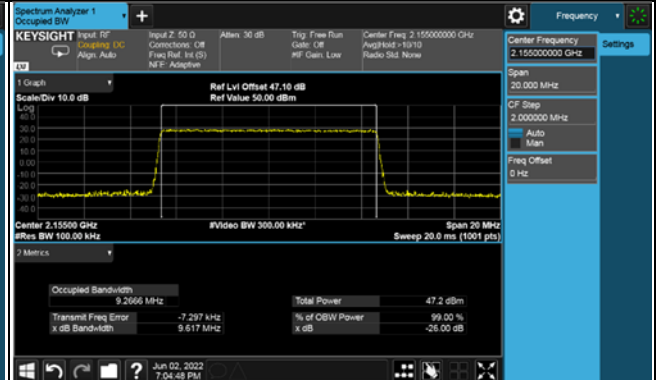


64QAM

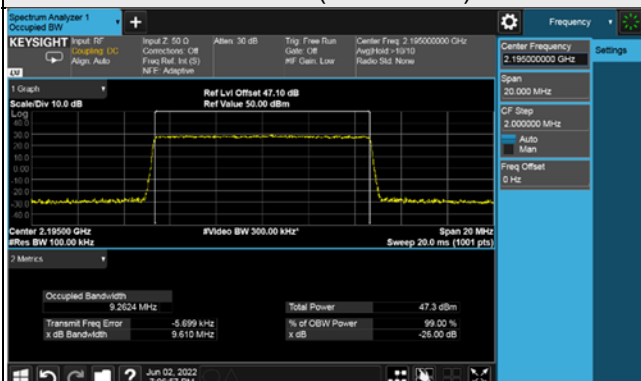
Ch 423000 (2115.0MHz)



Ch 431000 (2155.0MHz)

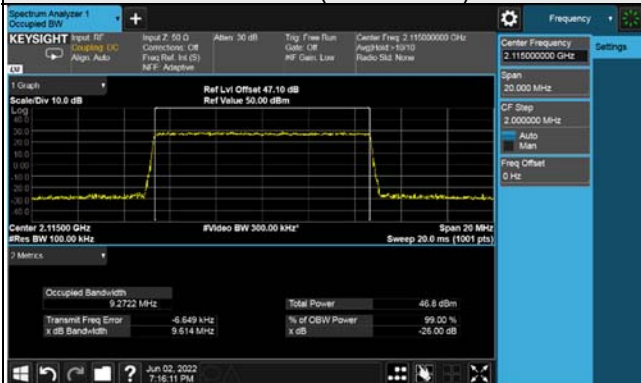


Ch 439000 (2195.0MHz)

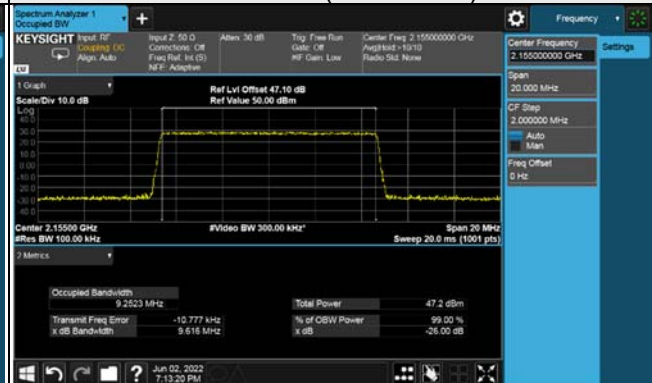


256QAM

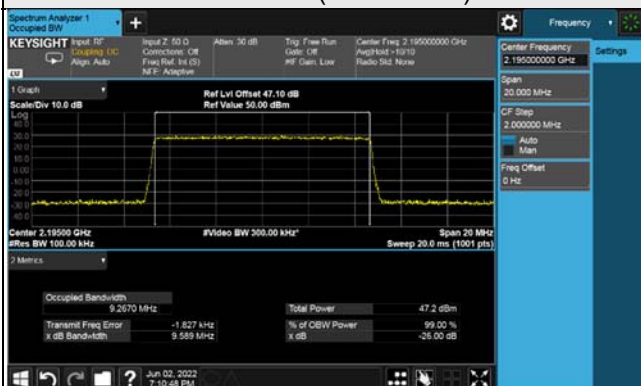
Ch 423000 (2115.0MHz)



Ch 431000 (2155.0MHz)



Ch 439000 (2195.0MHz)

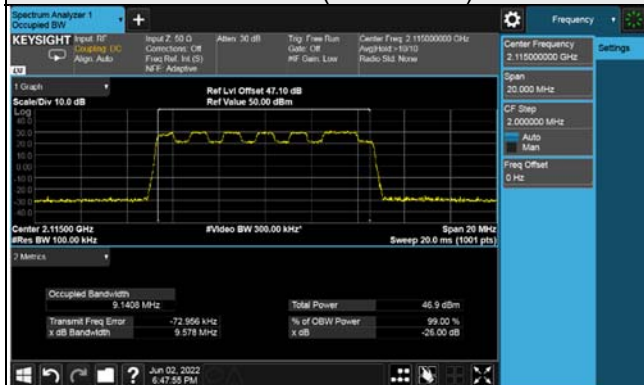


Ant. TX 2

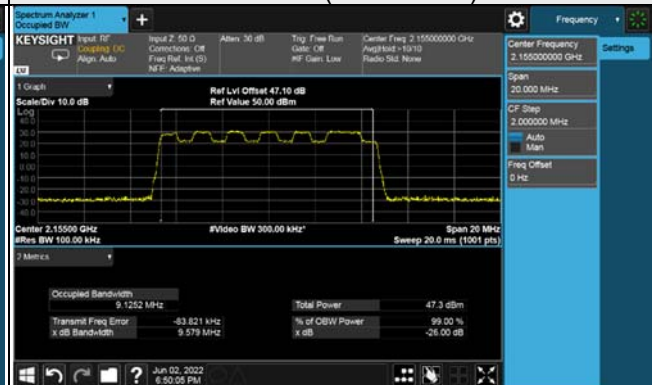
OCP 99 Bandwidth

QPSK

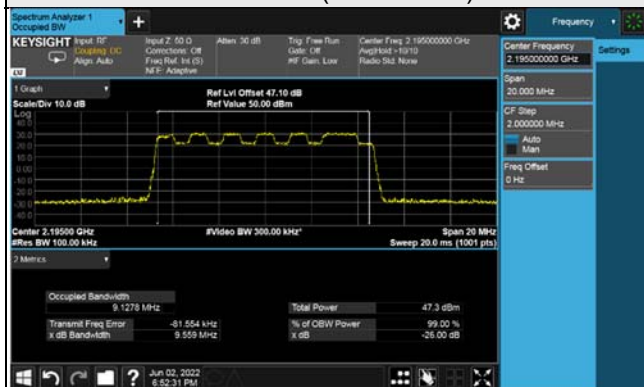
Ch 423000 (2115.0MHz)



Ch 431000 (2155.0MHz)



Ch 439000 (2195.0MHz)

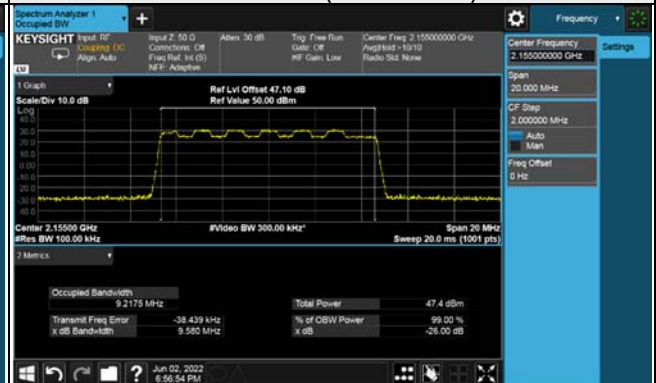


16QAM

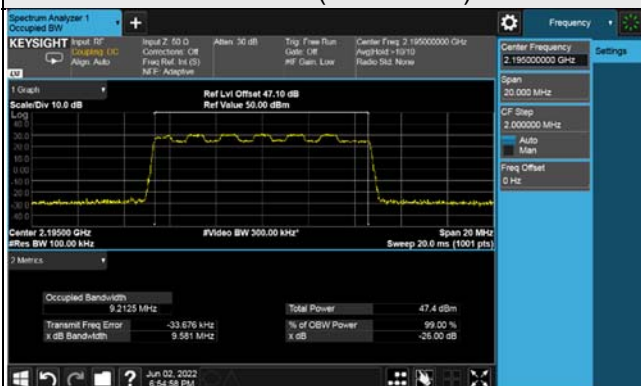
Ch 423000 (2115.0MHz)



Ch 431000 (2155.0MHz)

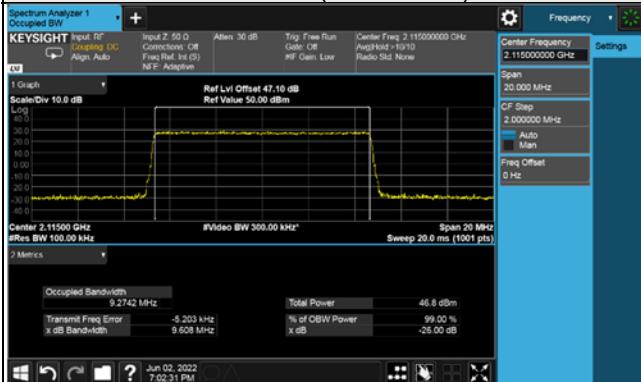


Ch 439000 (2195.0MHz)

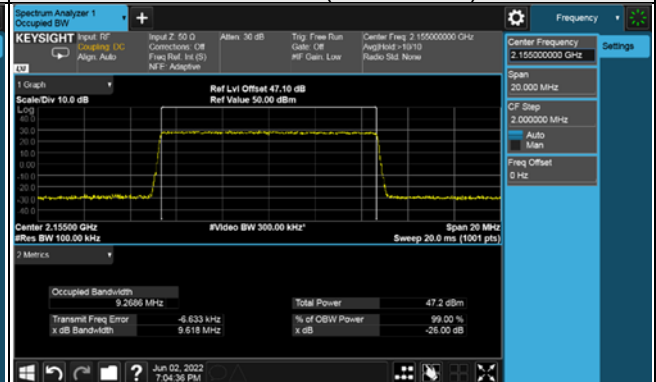


64QAM

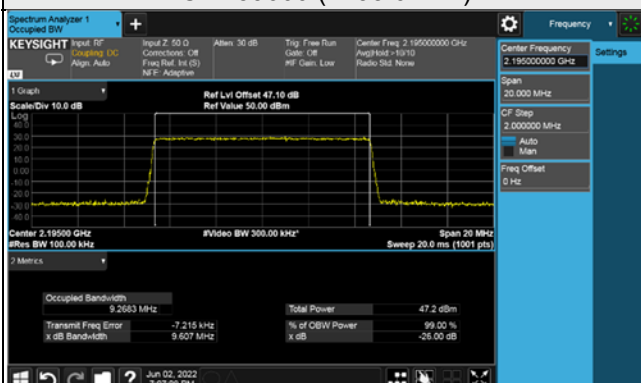
Ch 423000 (2115.0MHz)



Ch 431000 (2155.0MHz)

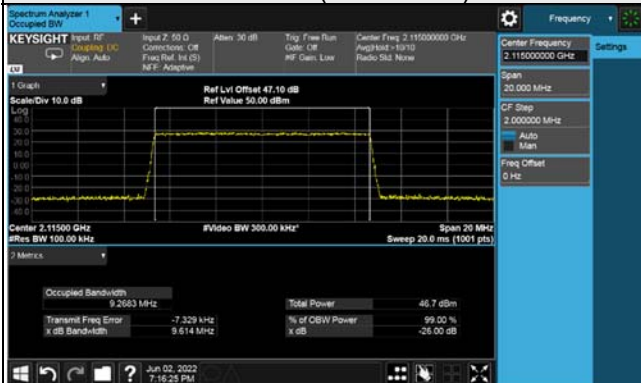


Ch 439000 (2195.0MHz)

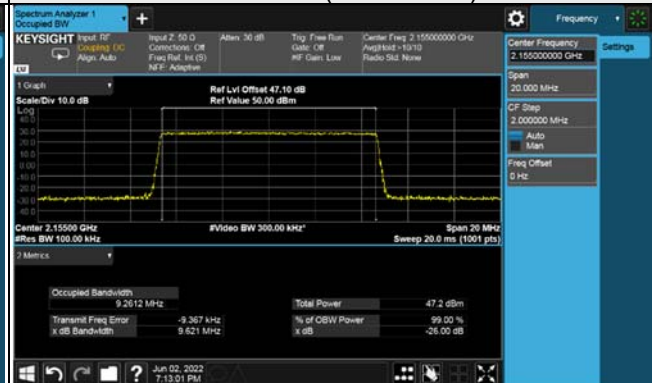


256QAM

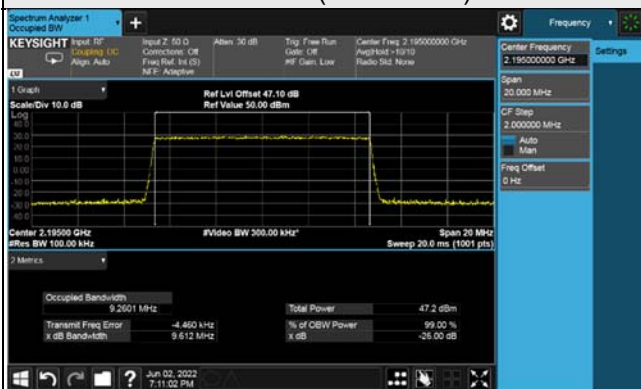
Ch 423000 (2115.0MHz)



Ch 431000 (2155.0MHz)



Ch 439000 (2195.0MHz)



Ant. TX 3

OCP 99 Bandwidth

QPSK

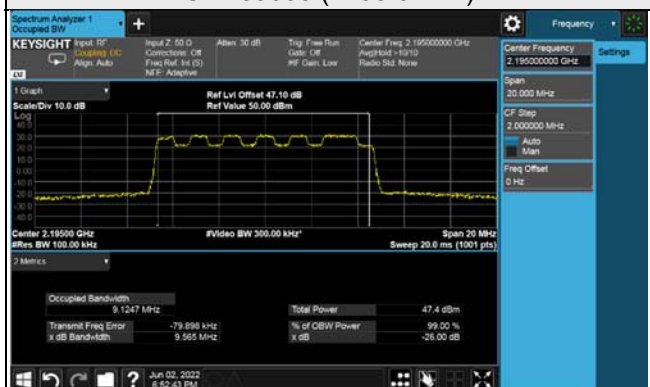
Ch 423000 (2115.0MHz)



Ch 431000 (2155.0MHz)

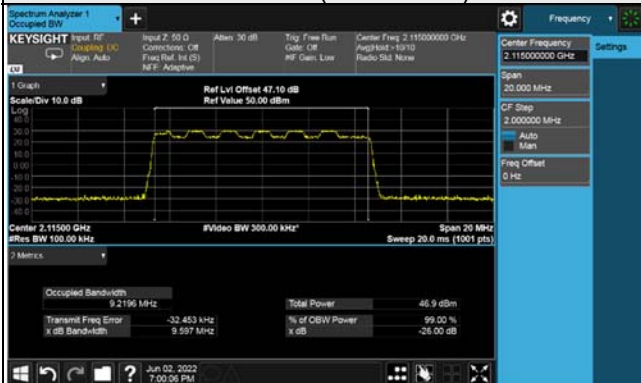


Ch 439000 (2195.0MHz)



16QAM

Ch 423000 (2115.0MHz)



Ch 431000 (2155.0MHz)

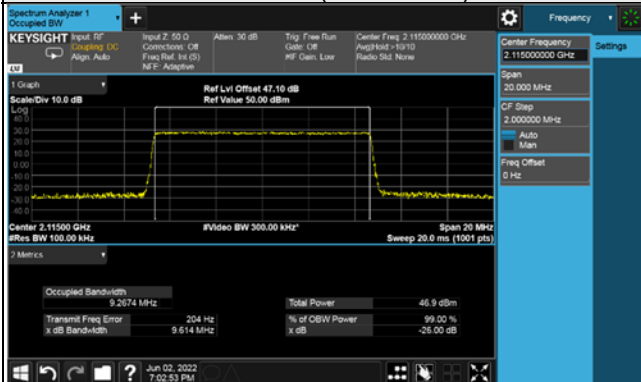


Ch 439000 (2195.0MHz)

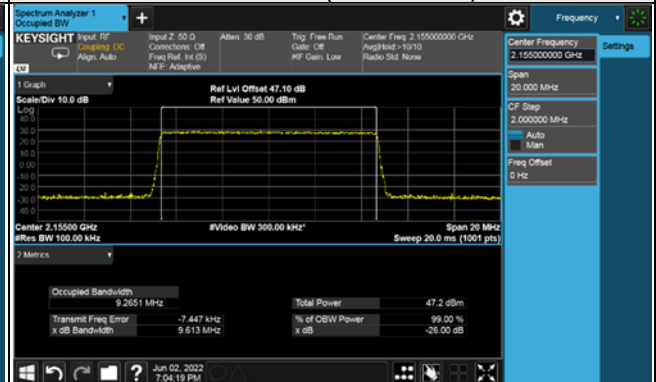


64QAM

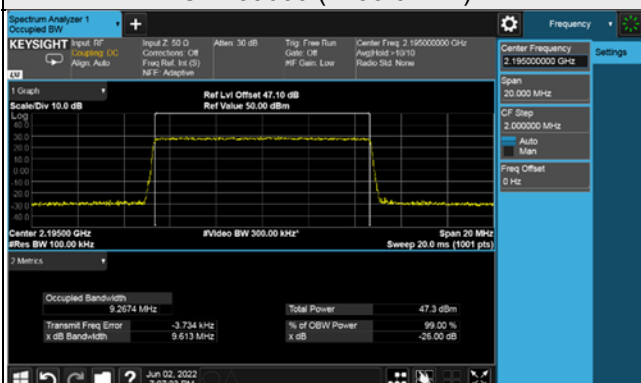
Ch 423000 (2115.0MHz)



Ch 431000 (2155.0MHz)

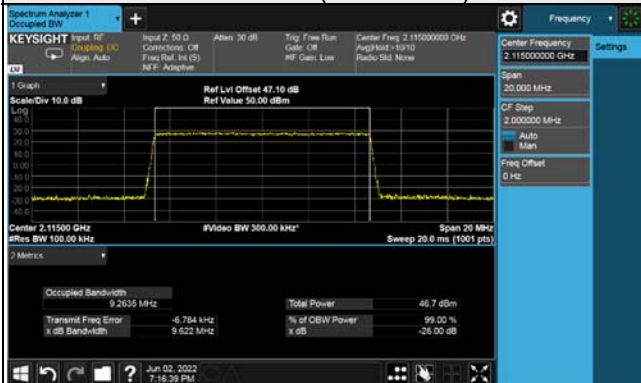


Ch 439000 (2195.0MHz)



256QAM

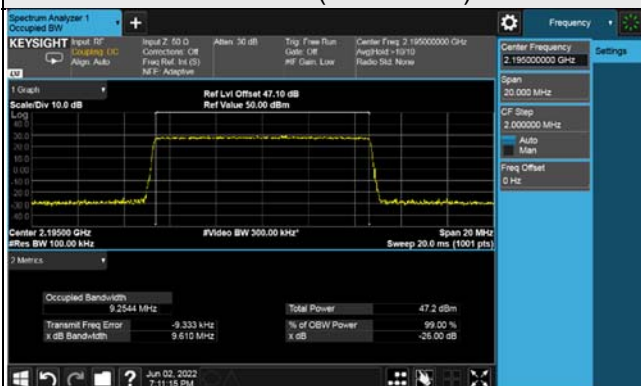
Ch 423000 (2115.0MHz)



Ch 431000 (2155.0MHz)



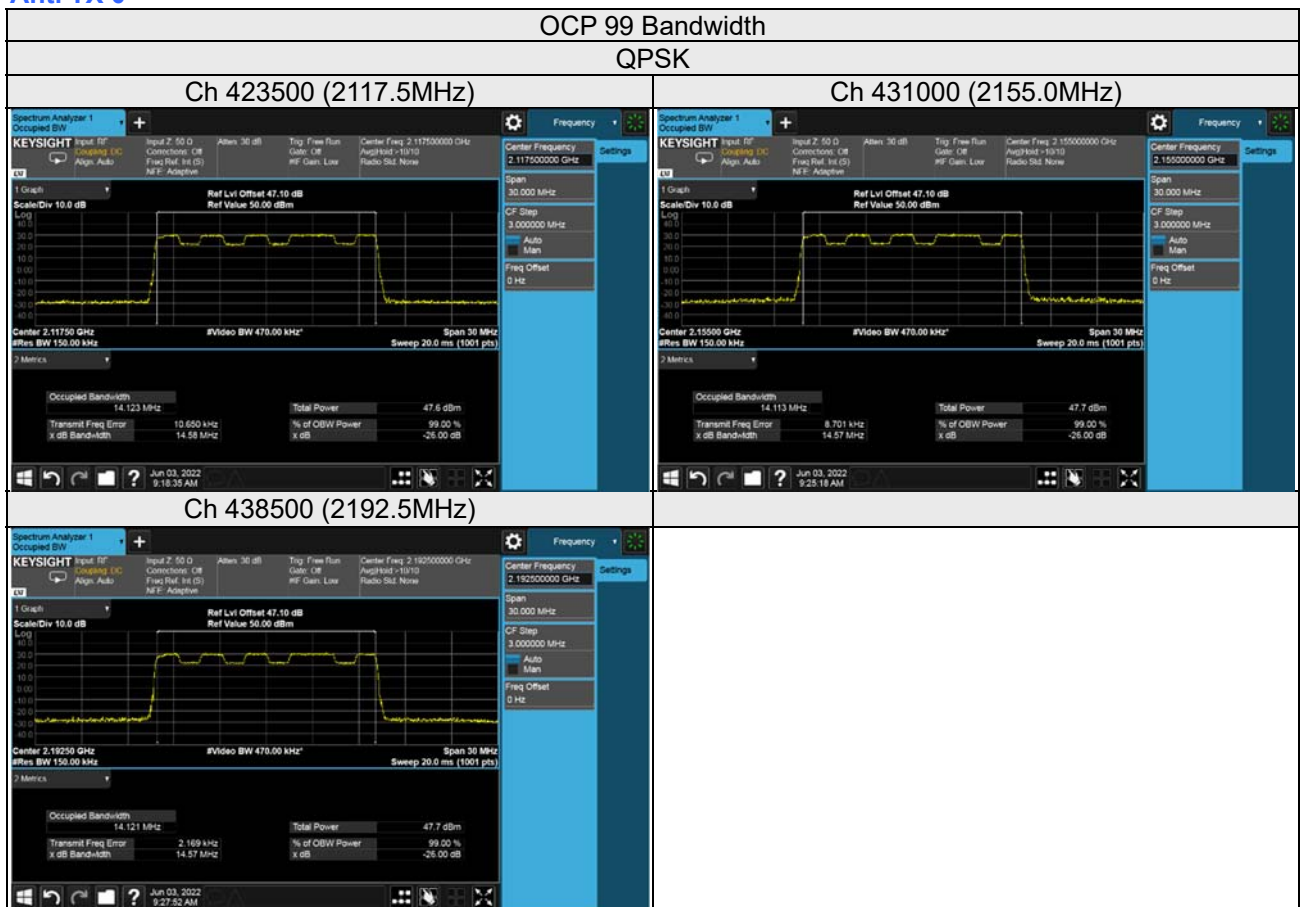
Ch 439000 (2195.0MHz)



15MHz

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
423500	2117.5	14.12	14.12	14.09	14.08	14.12	14.12	14.08	14.08	14.12	14.13	14.09	14.07	14.13	14.12	14.07	14.07
431000	2155	14.11	14.12	14.08	14.07	14.12	14.12	14.07	14.08	14.12	14.12	14.07	14.08	14.13	14.12	14.08	14.08
438500	2192.5	14.12	14.11	14.08	14.08	14.12	14.12	14.07	14.08	14.12	14.12	14.07	14.08	14.12	14.12	14.08	14.07

Ant. TX 0



16QAM

Ch 423500 (2117.5MHz)



Ch 431000 (2155.0MHz)

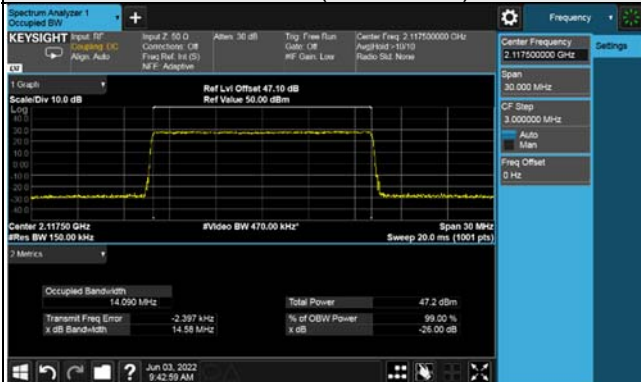


Ch 438500 (2192.5MHz)

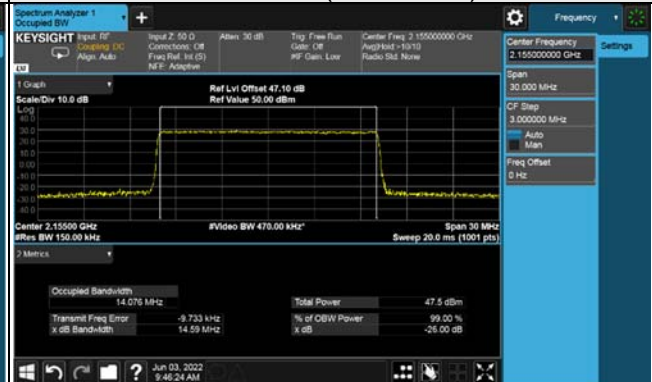


64QAM

Ch 423500 (2117.5MHz)



Ch 431000 (2155.0MHz)



Ch 438500 (2192.5MHz)

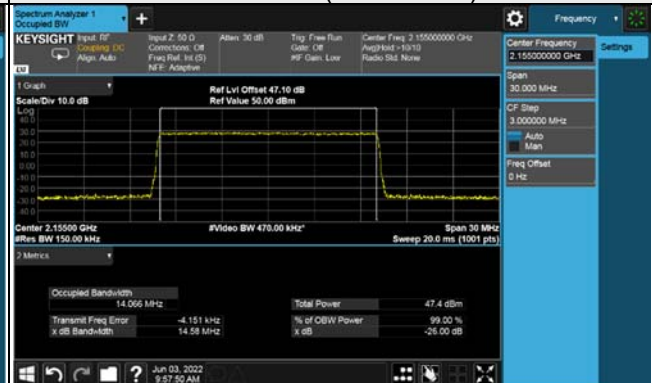


256QAM

Ch 423500 (2117.5MHz)



Ch 431000 (2155.0MHz)



Ch 438500 (2192.5MHz)



Ant. TX 1

OCP 99 Bandwidth

QPSK

Ch 423500 (2117.5MHz)



Ch 431000 (2155.0MHz)



Ch 438500 (2192.5MHz)



16QAM

Ch 423500 (2117.5MHz)



Ch 431000 (2155.0MHz)

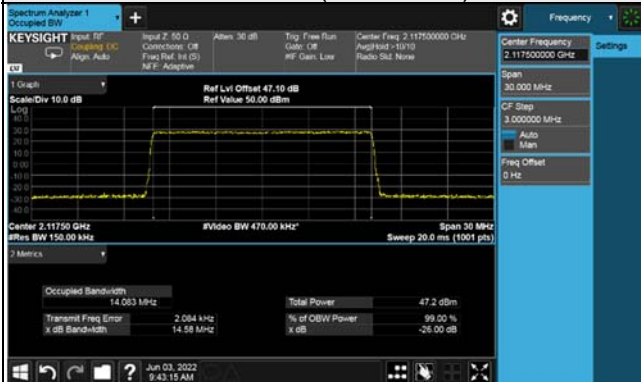


Ch 438500 (2192.5MHz)



64QAM

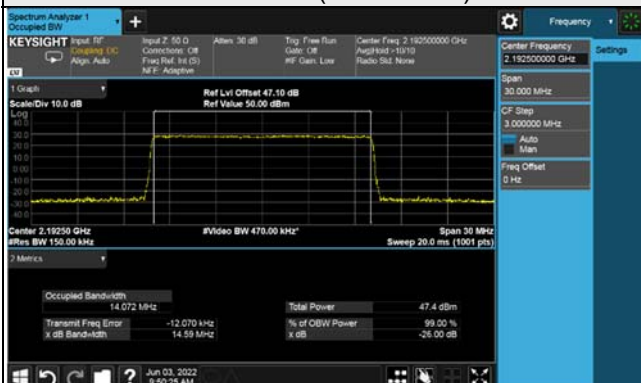
Ch 423500 (2117.5MHz)



Ch 431000 (2155.0MHz)



Ch 438500 (2192.5MHz)

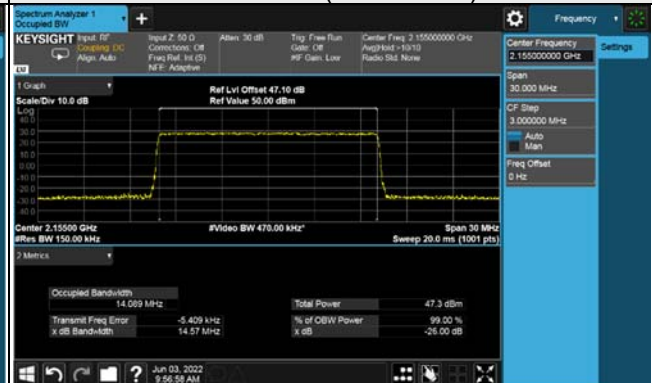


256QAM

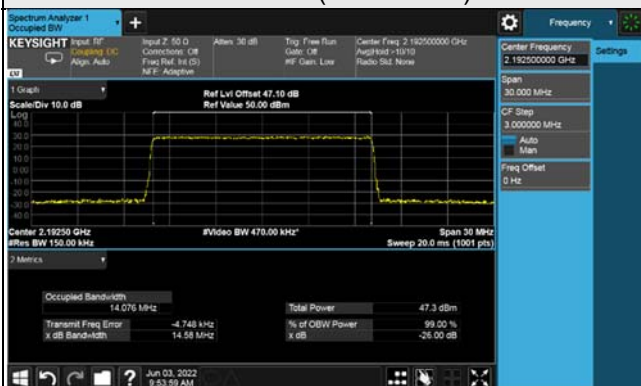
Ch 423500 (2117.5MHz)



Ch 431000 (2155.0MHz)



Ch 438500 (2192.5MHz)

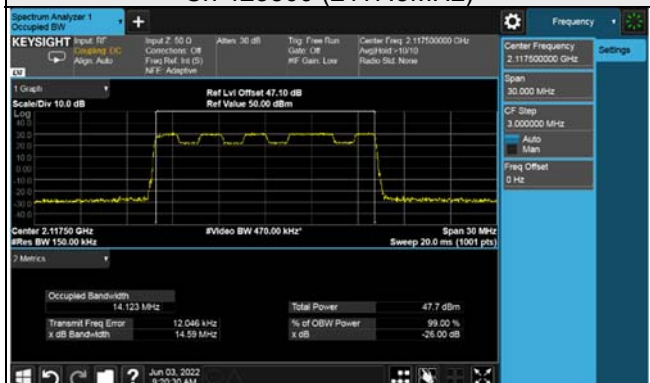


Ant. TX 2

OCP 99 Bandwidth

QPSK

Ch 423500 (2117.5MHz)



Ch 431000 (2155.0MHz)



Ch 438500 (2192.5MHz)



16QAM

Ch 423500 (2117.5MHz)



Ch 431000 (2155.0MHz)



Ch 438500 (2192.5MHz)



64QAM

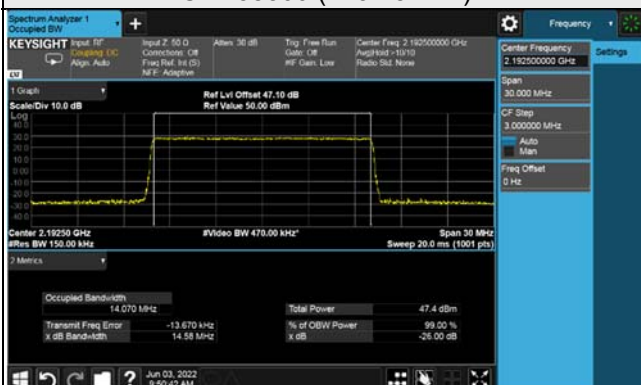
Ch 423500 (2117.5MHz)



Ch 431000 (2155.0MHz)



Ch 438500 (2192.5MHz)

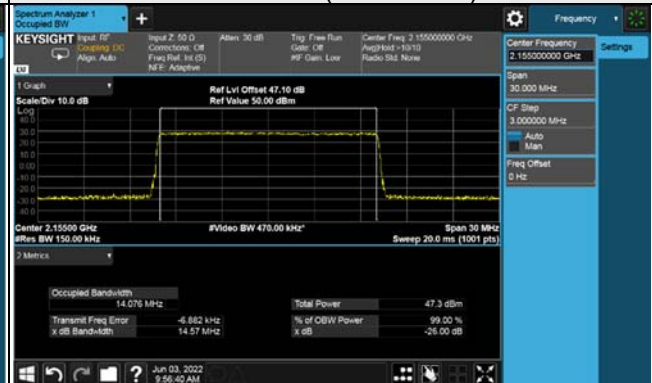


256QAM

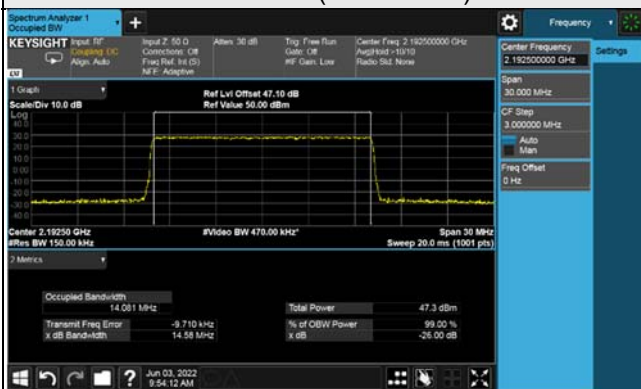
Ch 423500 (2117.5MHz)



Ch 431000 (2155.0MHz)



Ch 438500 (2192.5MHz)



Ant. TX 3

OCP 99 Bandwidth

QPSK

Ch 423500 (2117.5MHz)



Ch 431000 (2155.0MHz)



Ch 438500 (2192.5MHz)



16QAM

Ch 423500 (2117.5MHz)



Ch 431000 (2155.0MHz)



Ch 438500 (2192.5MHz)

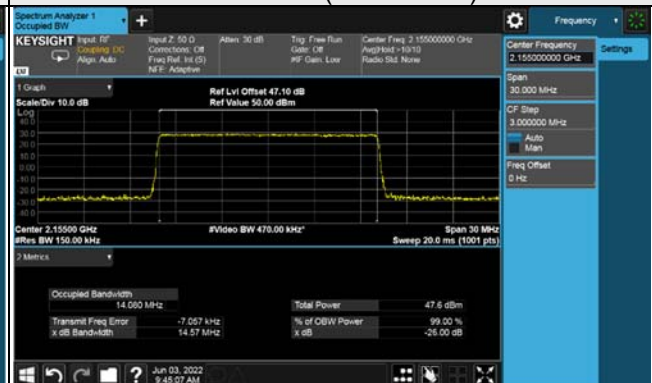


64QAM

Ch 423500 (2117.5MHz)



Ch 431000 (2155.0MHz)

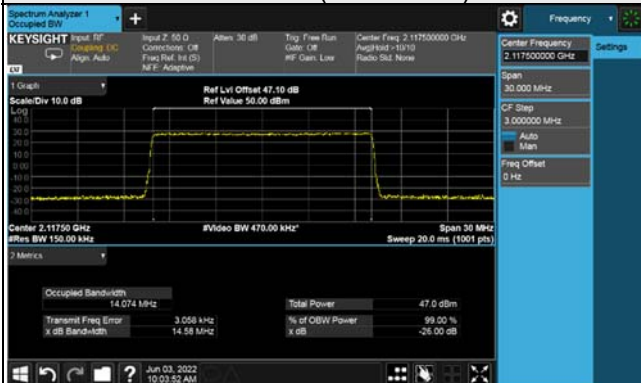


Ch 438500 (2192.5MHz)

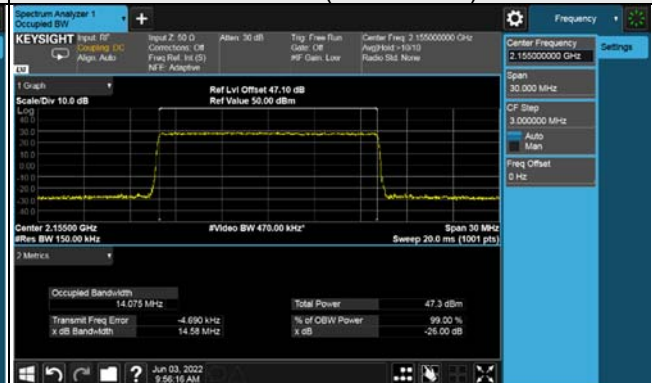


256QAM

Ch 423500 (2117.5MHz)



Ch 431000 (2155.0MHz)



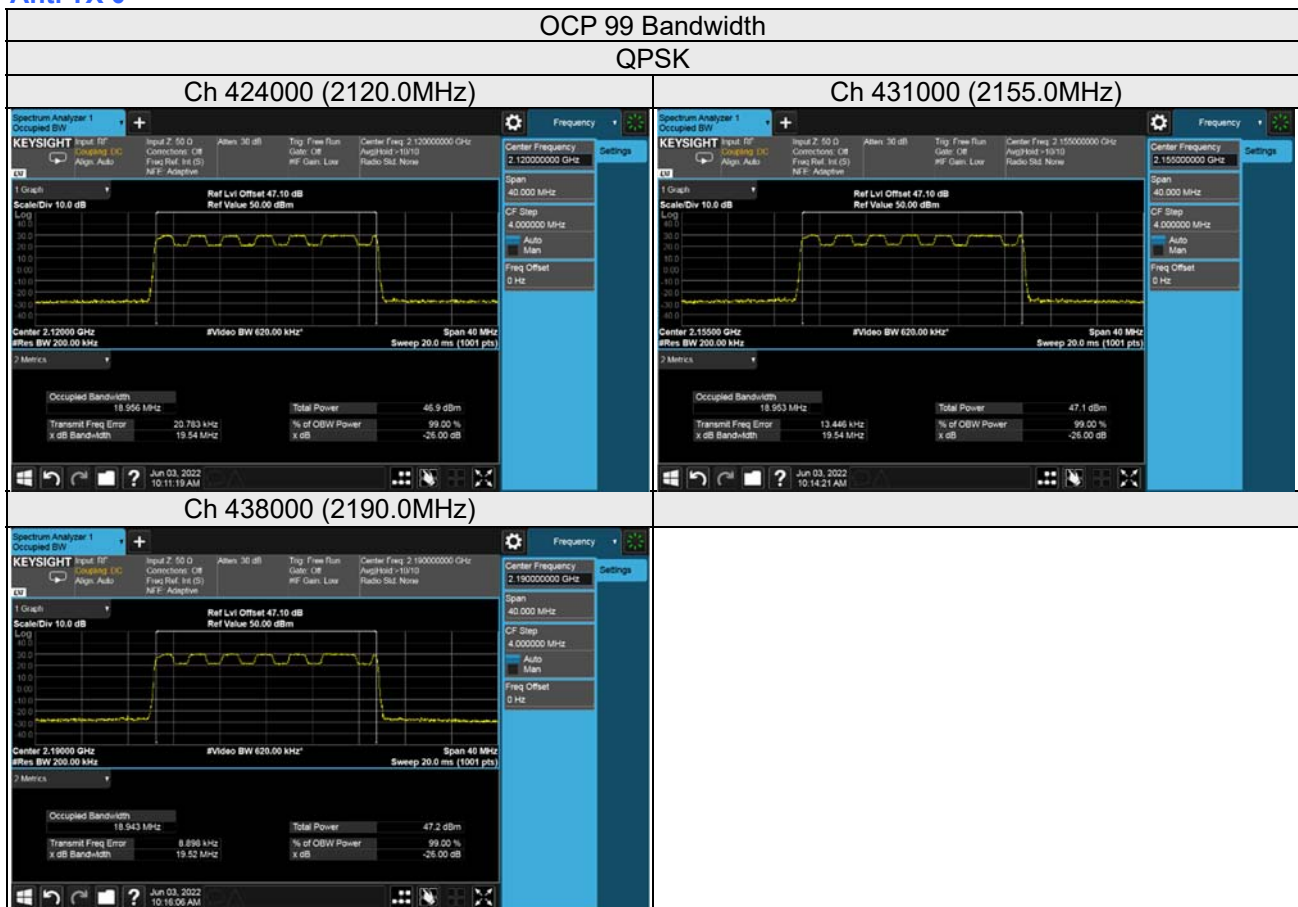
Ch 438500 (2192.5MHz)



20MHz

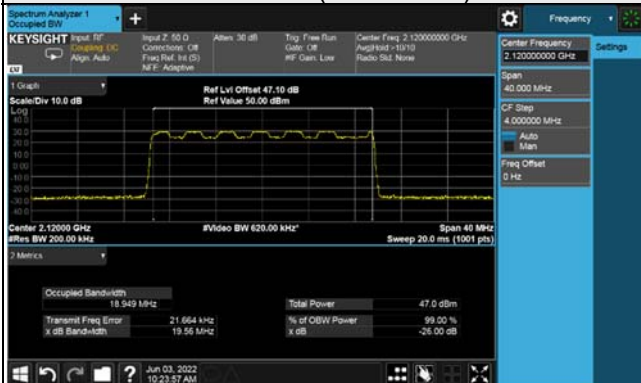
Channel Number	Freq. (MHz)	OCP 99 Bandwidth (MHz)															
		Ant. TX0				Ant. TX1				Ant. TX2				Ant. TX3			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
424000	2120	18.96	18.95	18.92	18.88	18.95	18.95	18.90	18.90	18.95	18.95	18.91	18.90	18.95	18.95	18.90	18.90
431000	2155	18.95	18.96	18.90	18.90	18.97	18.96	18.91	18.90	18.95	18.95	18.91	18.91	18.94	18.96	18.90	18.90
438000	2190	18.94	18.94	18.90	18.89	18.95	18.94	18.89	18.89	18.94	18.94	18.90	18.89	18.94	18.95	18.90	18.89

Ant. TX 0

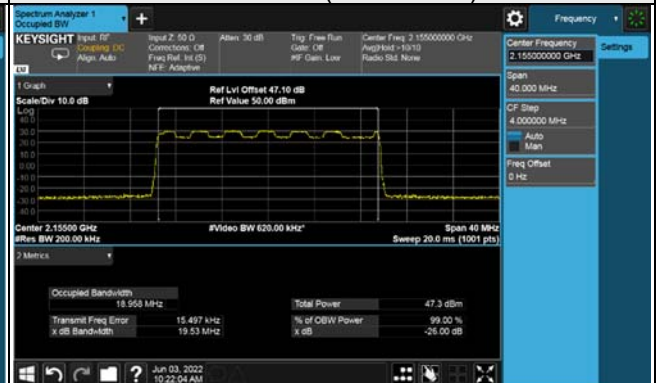


16QAM

Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)

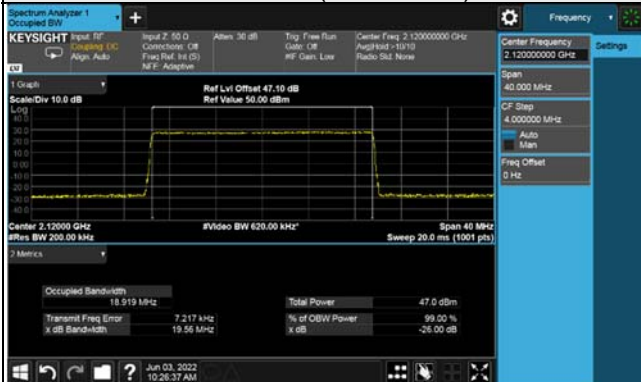


Ch 438000 (2190.0MHz)

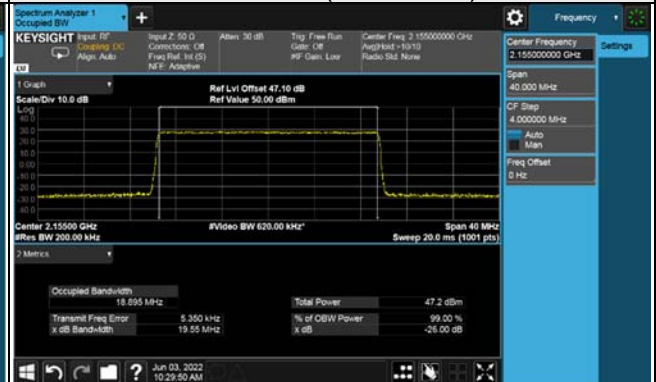


64QAM

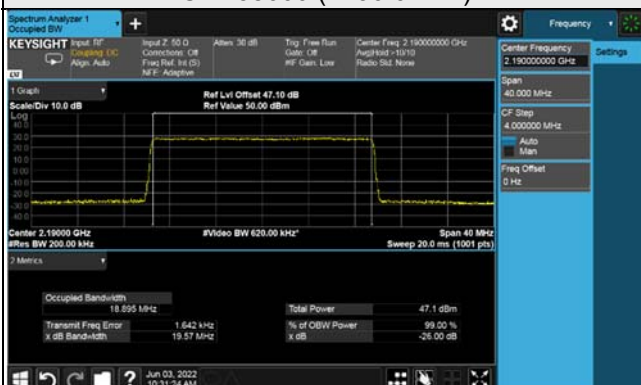
Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)

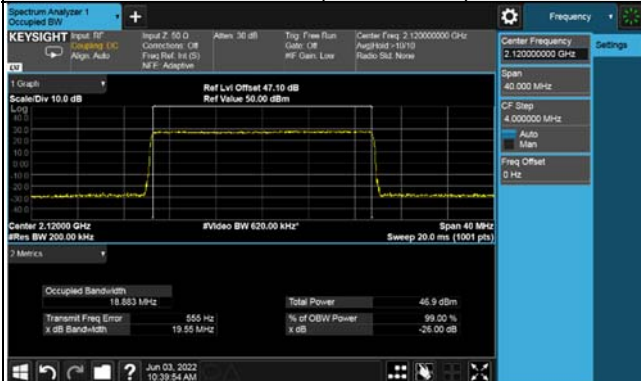


Ch 438000 (2190.0MHz)

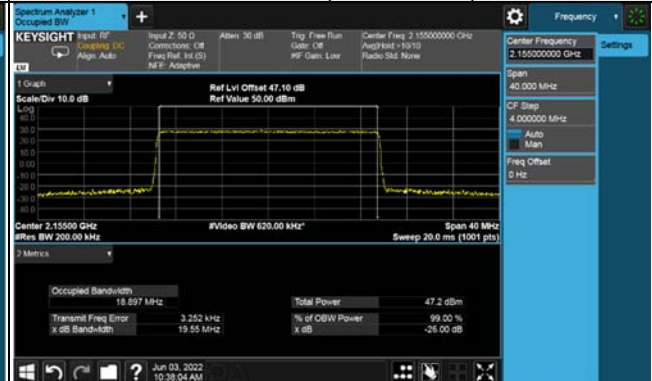


256QAM

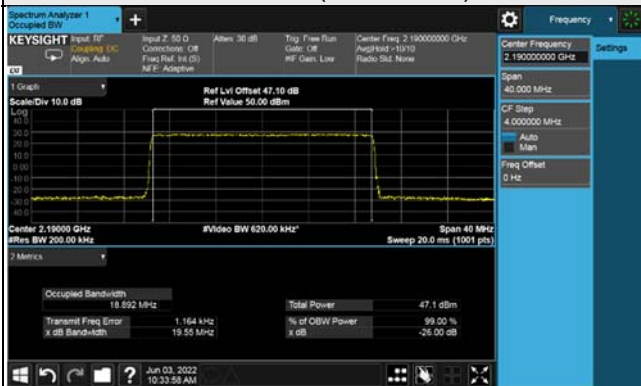
Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)



Ch 438000 (2190.0MHz)

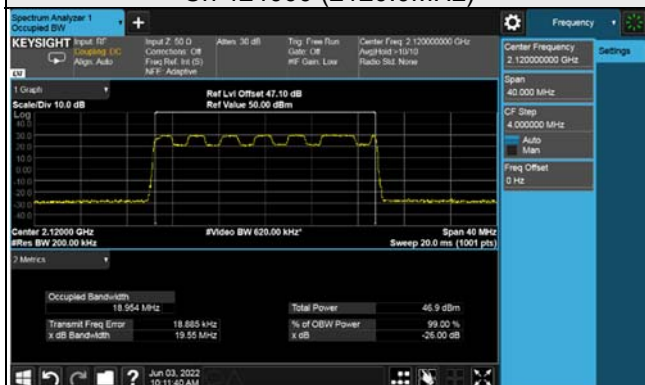


Ant. TX 1

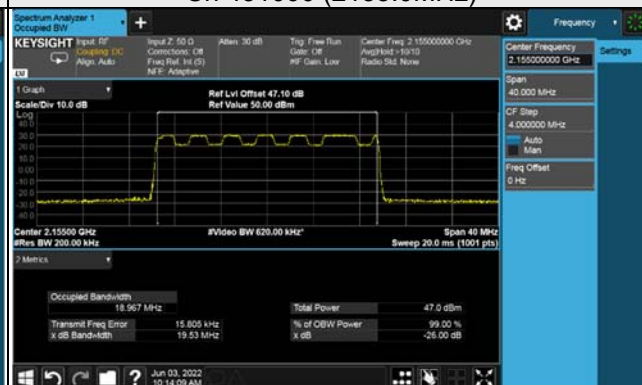
OCP 99 Bandwidth

QPSK

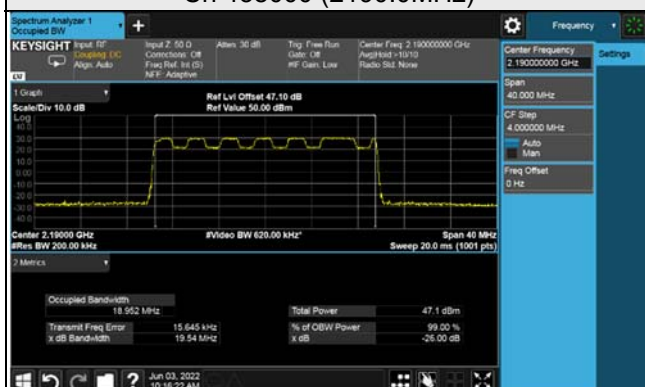
Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)

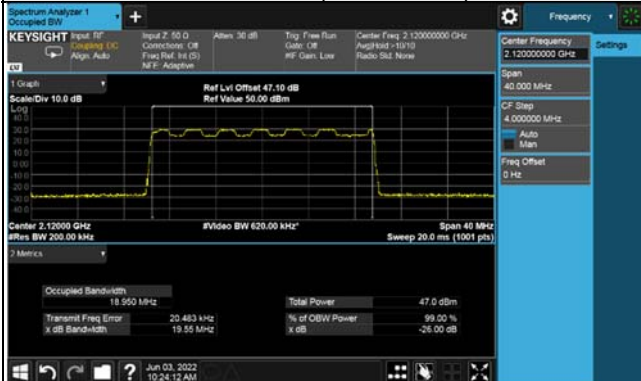


Ch 438000 (2190.0MHz)



16QAM

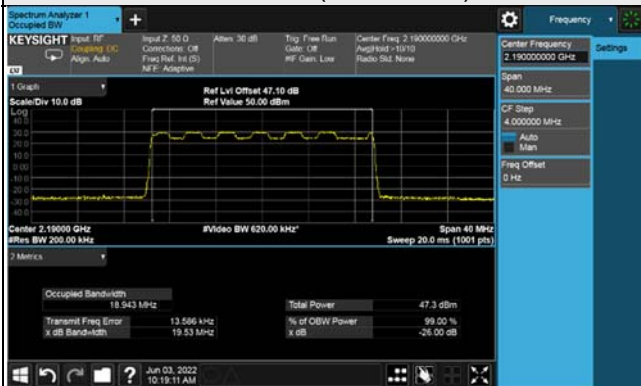
Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)

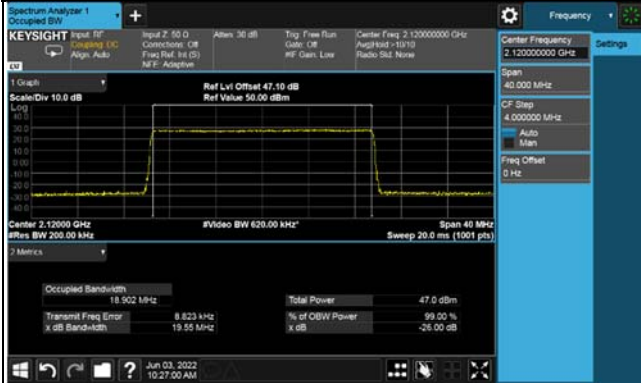


Ch 438000 (2190.0MHz)

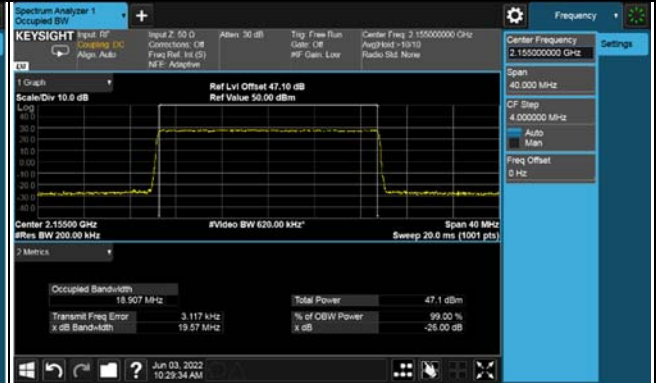


64QAM

Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)

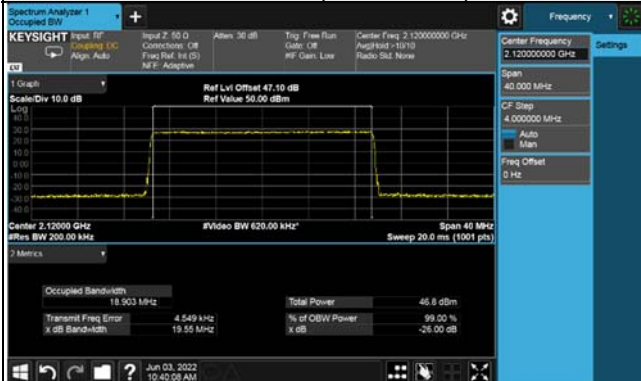


Ch 438000 (2190.0MHz)

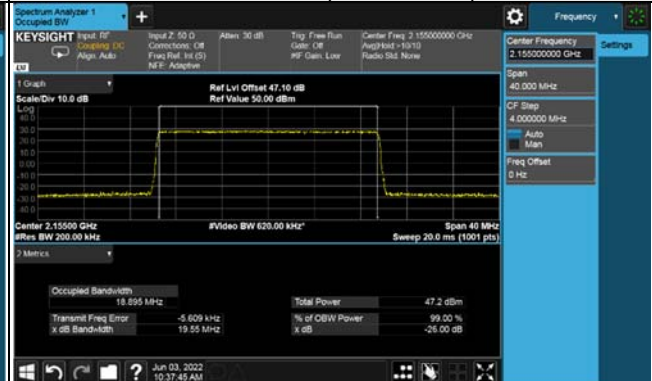


256QAM

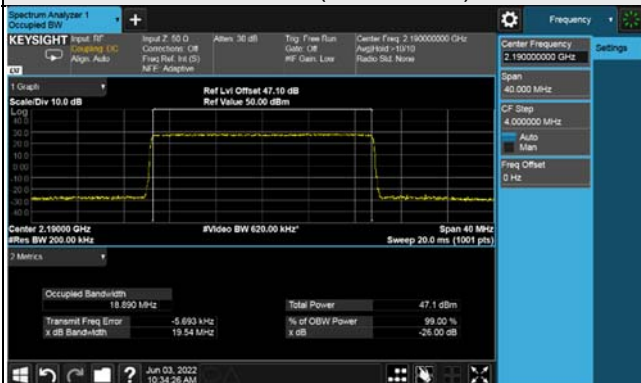
Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)



Ch 438000 (2190.0MHz)

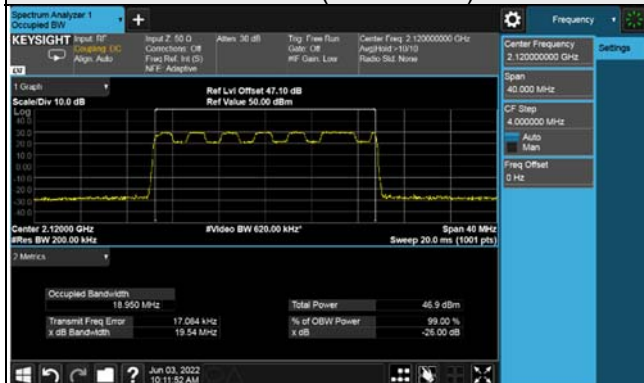


Ant. TX 2

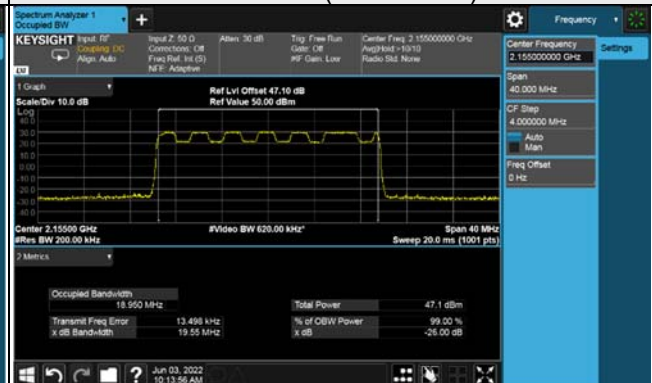
OCP 99 Bandwidth

QPSK

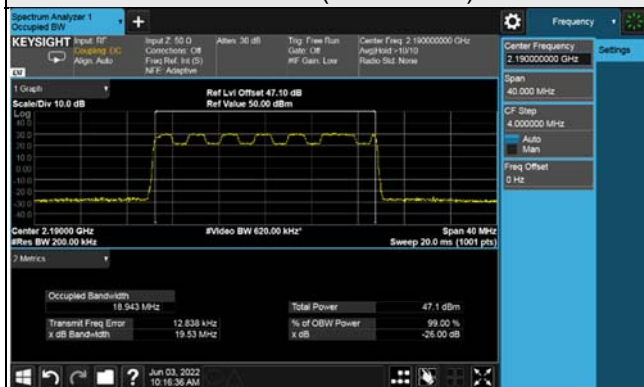
Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)

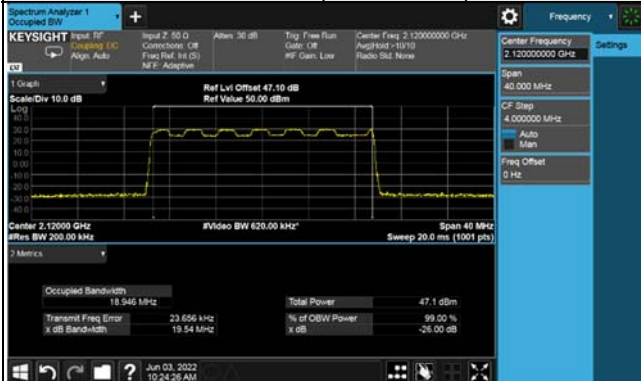


Ch 438000 (2190.0MHz)

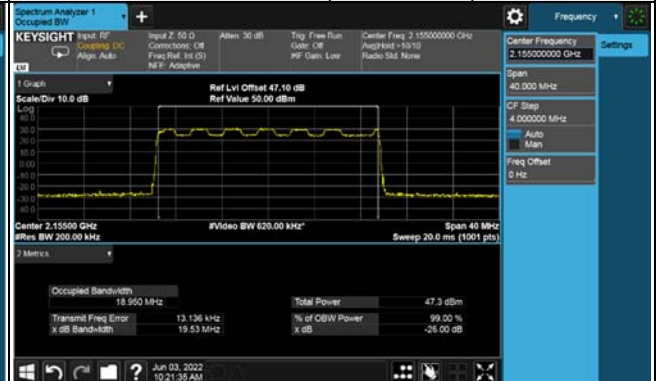


16QAM

Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)

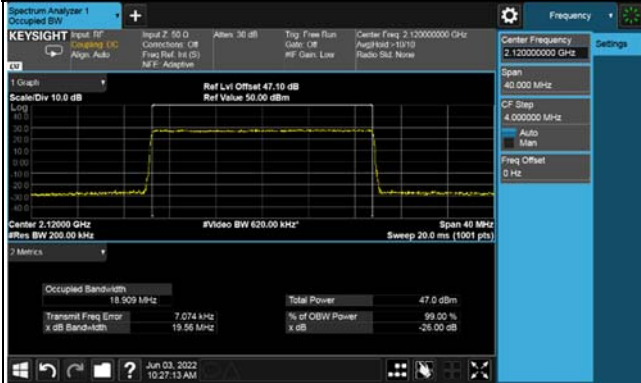


Ch 438000 (2190.0MHz)

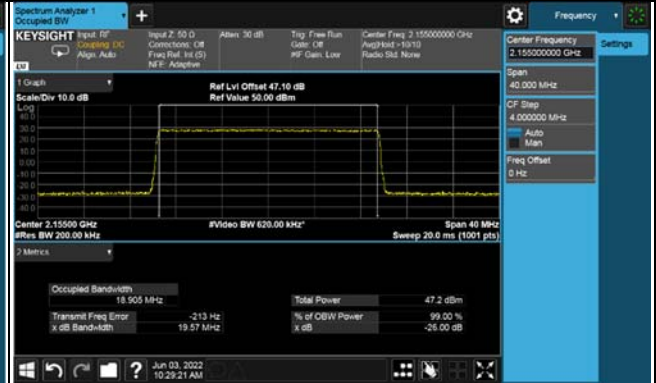


64QAM

Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)



Ch 438000 (2190.0MHz)

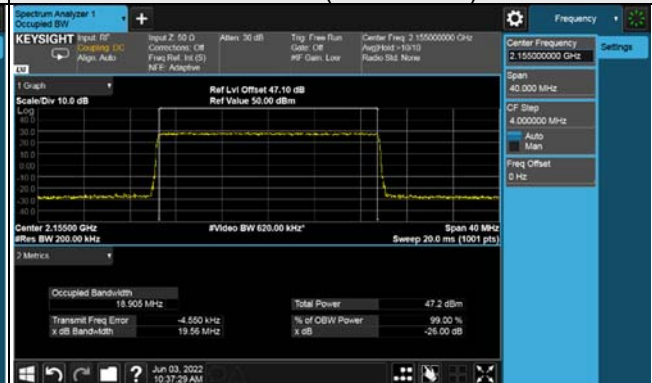


256QAM

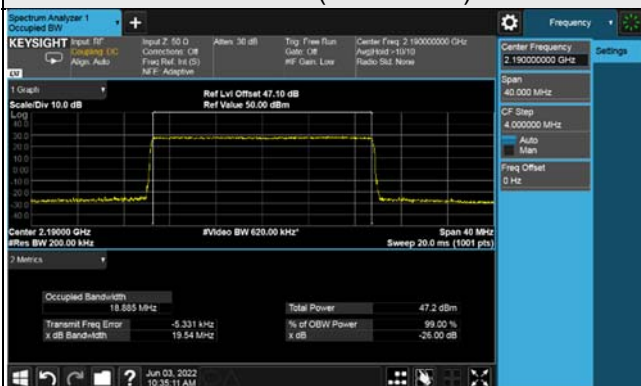
Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)



Ch 438000 (2190.0MHz)



Ant. TX 3

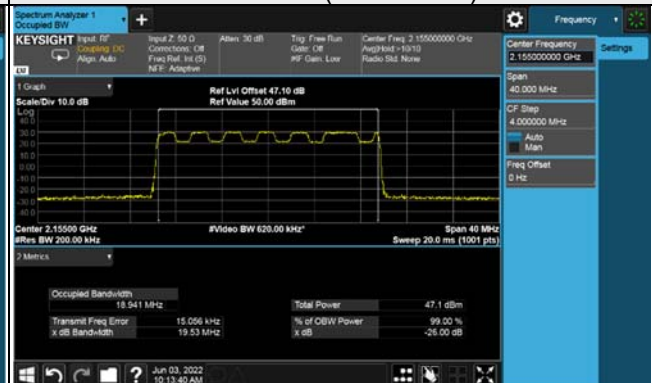
OCP 99 Bandwidth

QPSK

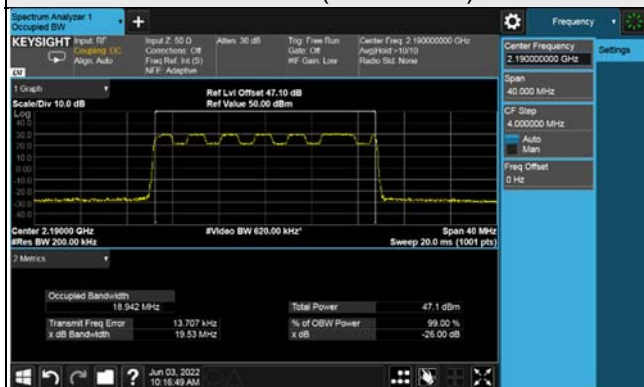
Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)

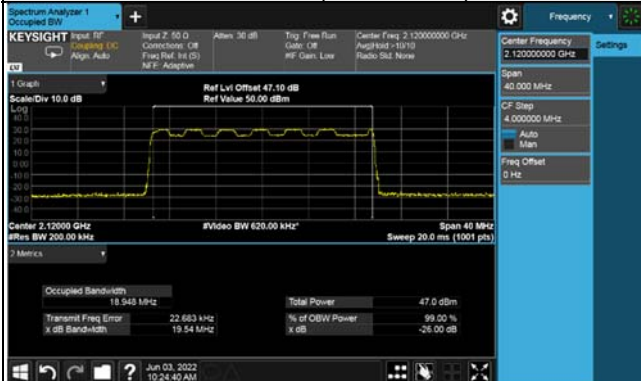


Ch 438000 (2190.0MHz)

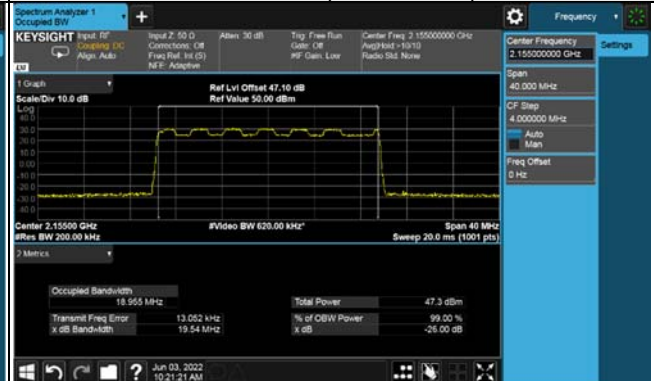


16QAM

Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)

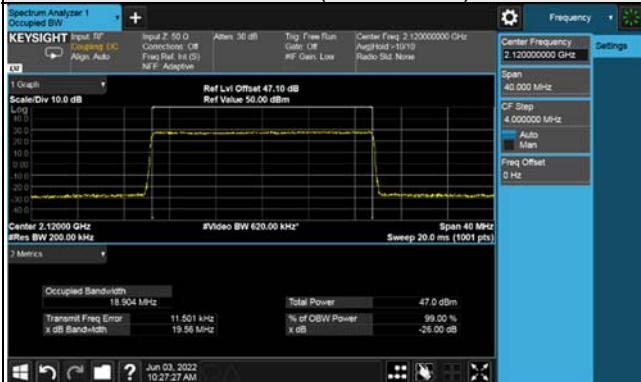


Ch 438000 (2190.0MHz)

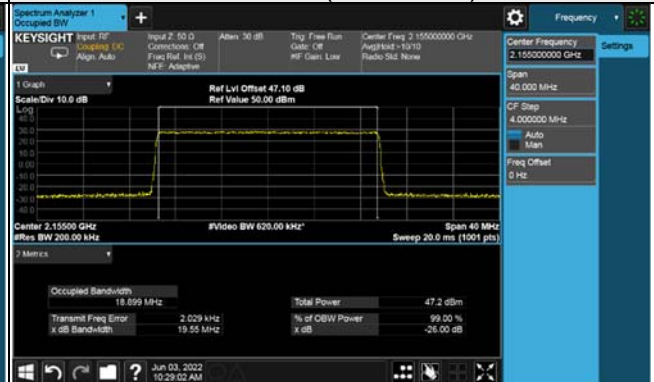


64QAM

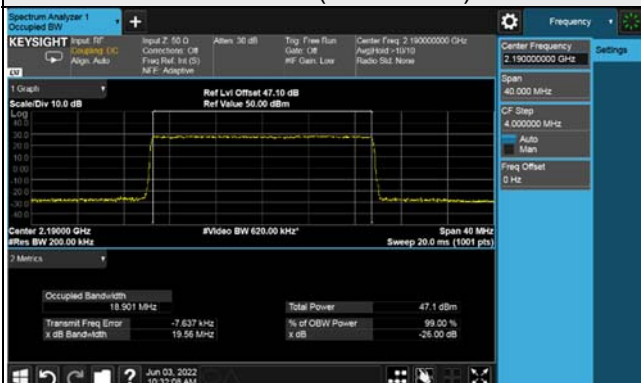
Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)

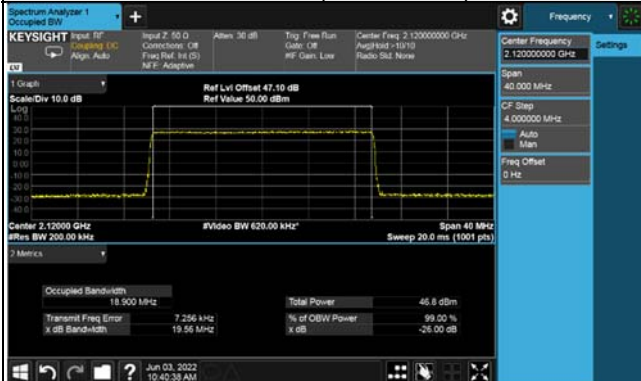


Ch 438000 (2190.0MHz)

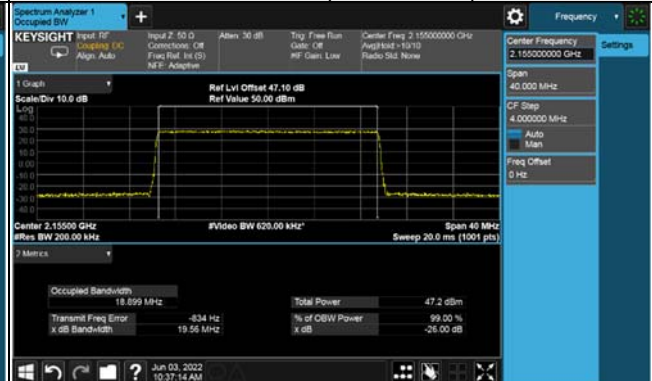


256QAM

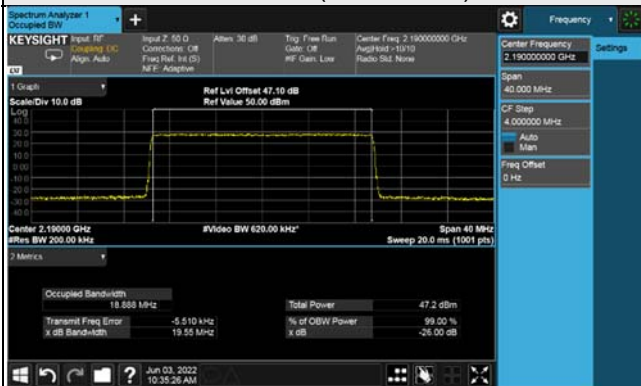
Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)



Ch 438000 (2190.0MHz)



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	38.81	38.72	38.70	38.82	38.81	38.74	38.69	38.82	38.81	38.70	38.72	38.82	38.81	38.72	38.71
429000+433000	2145.0+2165.0	38.81	38.82	38.70	38.71	38.82	38.82	38.70	38.70	38.81	38.81	38.71	38.72	38.81	38.81	38.71	38.71
434000+438000	2170.0+2190.0	38.80	38.81	38.71	38.70	38.80	38.81	38.69	38.70	38.81	38.80	38.67	38.69	38.81	38.81	38.70	38.70

Ant. TX 0

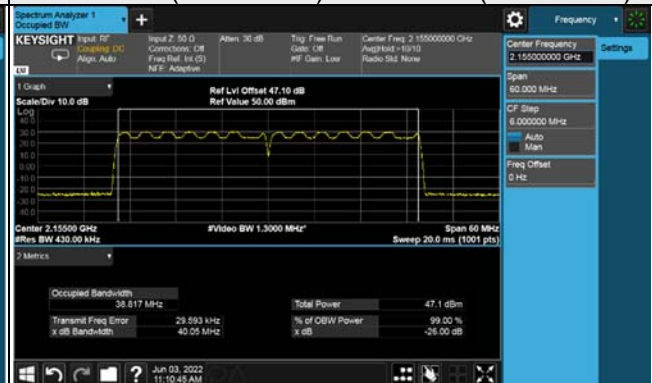


16QAM

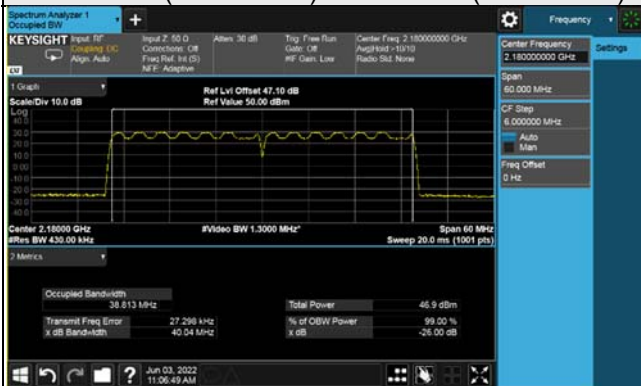
Ch 424000 (2120.0MHz)+Ch 428000 (2140.0MHz)



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



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

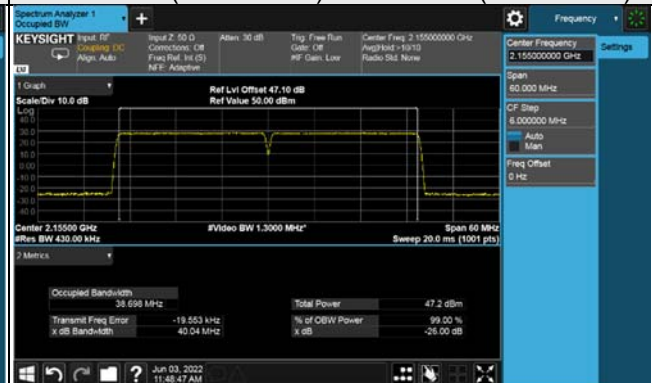


64QAM

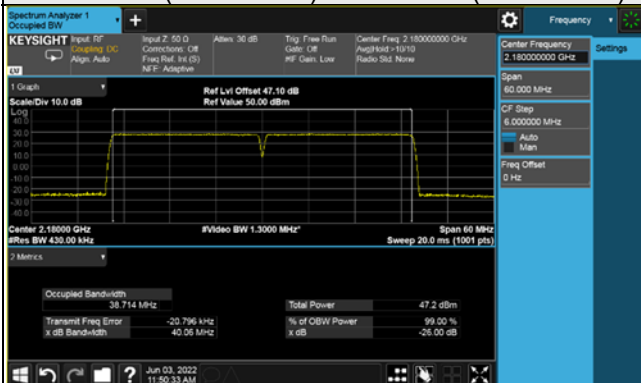
Ch 424000 (2120.0MHz)+Ch 428000 (2140.0MHz)



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

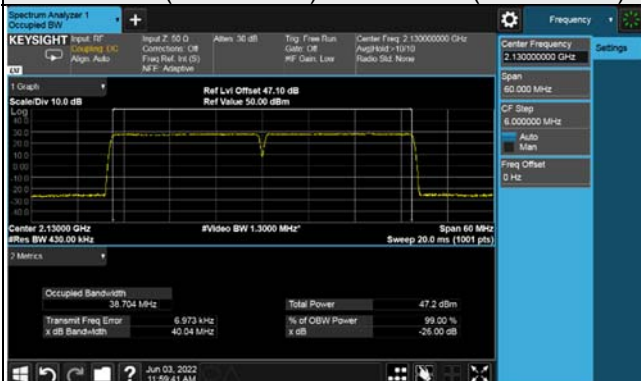


Ch 434000 (2170.0MHz)+Ch 438000 (2190.0MHz)

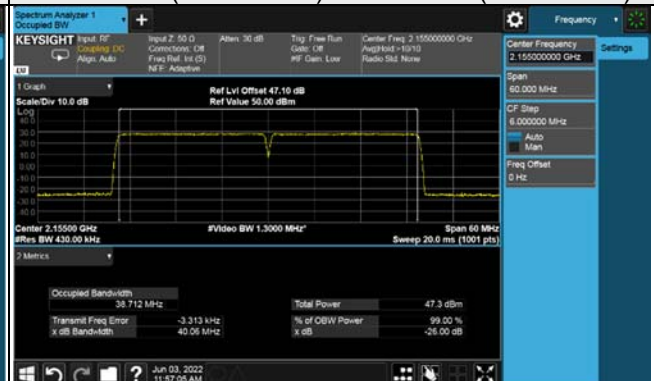


256QAM

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



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



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

