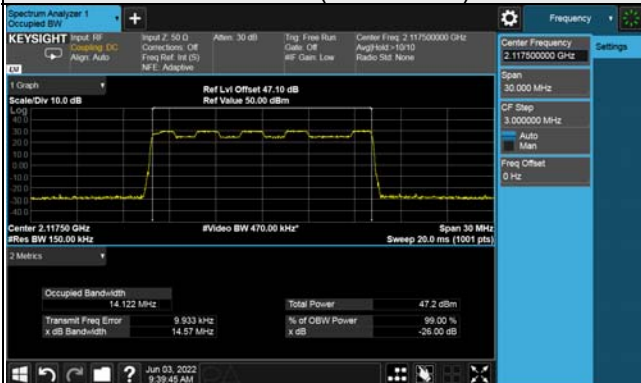


16QAM

Ch 423500 (2117.5MHz)



Ch 431000 (2155.0MHz)

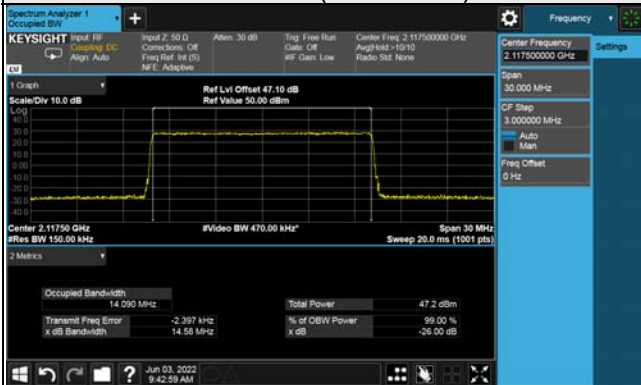


Ch 438500 (2192.5MHz)

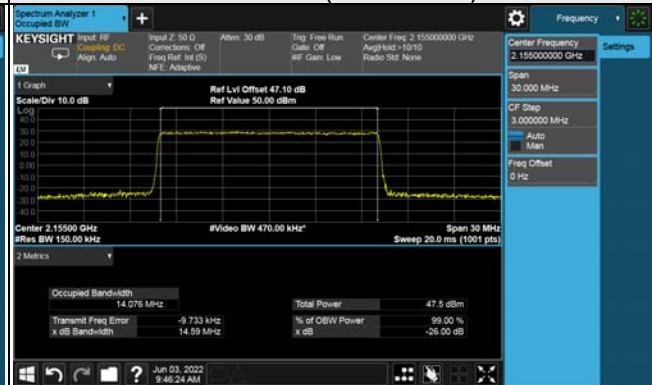


64QAM

Ch 423500 (2117.5MHz)



Ch 431000 (2155.0MHz)



Ch 438500 (2192.5MHz)

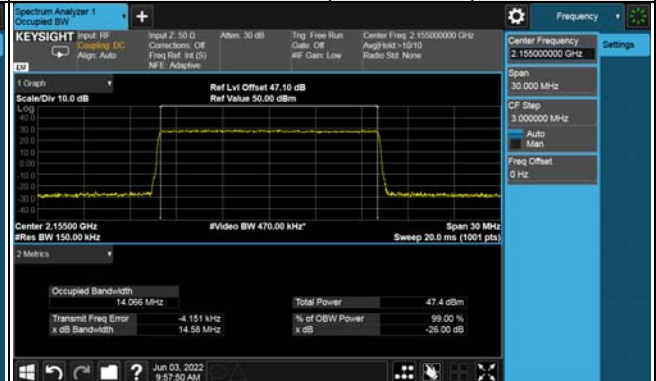


256QAM

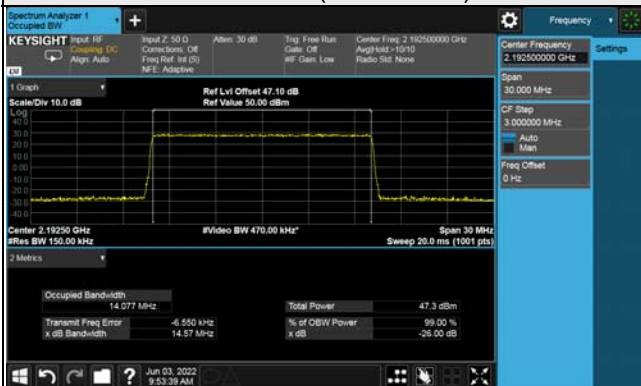
Ch 423500 (2117.5MHz)



Ch 431000 (2155.0MHz)



Ch 438500 (2192.5MHz)



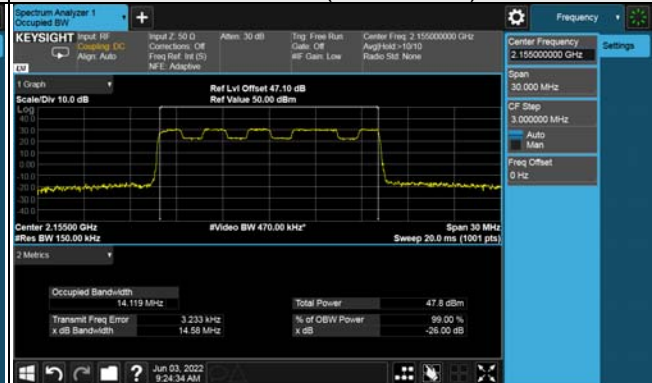
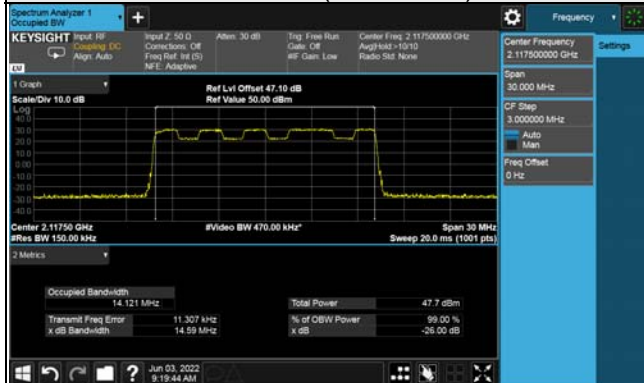
Ant. TX 1

-26dBc Bandwidth

QPSK

Ch 423500 (2117.5MHz)

Ch 431000 (2155.0MHz)

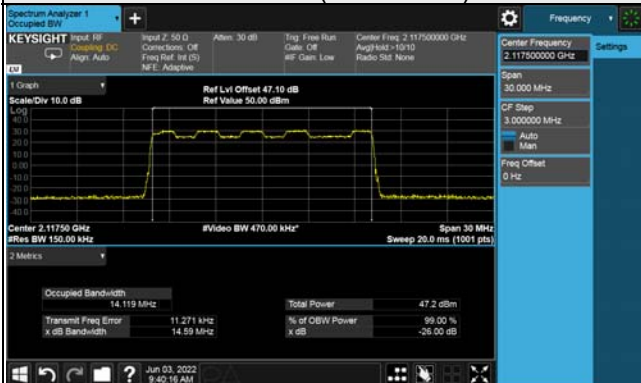


Ch 438500 (2192.5MHz)

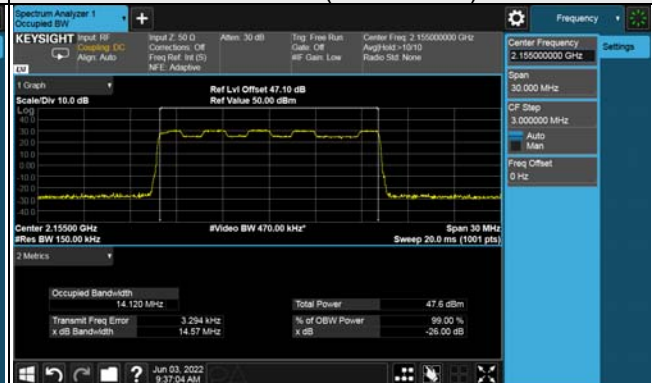


16QAM

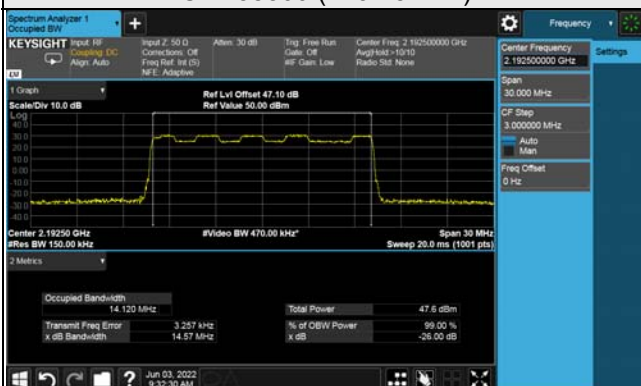
Ch 423500 (2117.5MHz)



Ch 431000 (2155.0MHz)

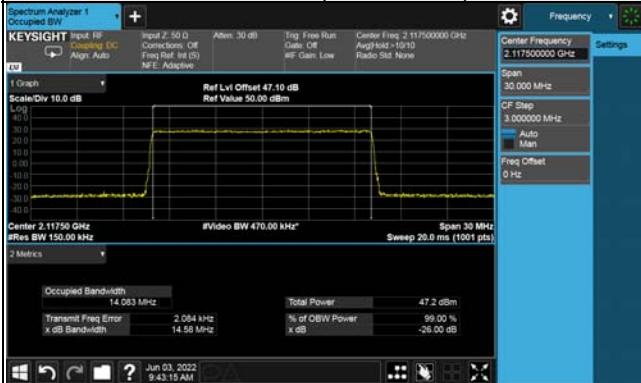


Ch 438500 (2192.5MHz)

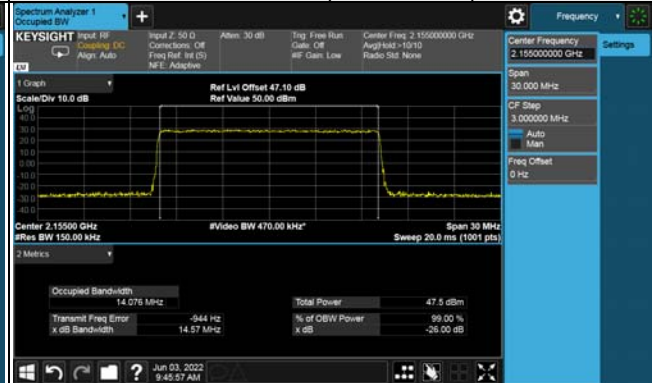


64QAM

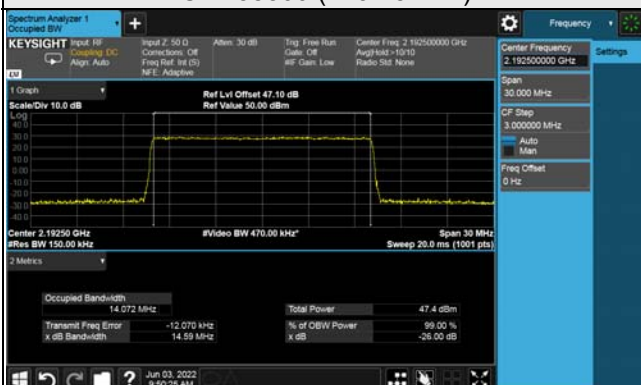
Ch 423500 (2117.5MHz)



Ch 431000 (2155.0MHz)

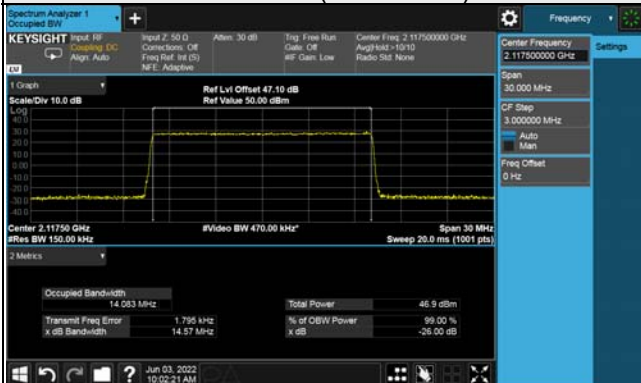


Ch 438500 (2192.5MHz)

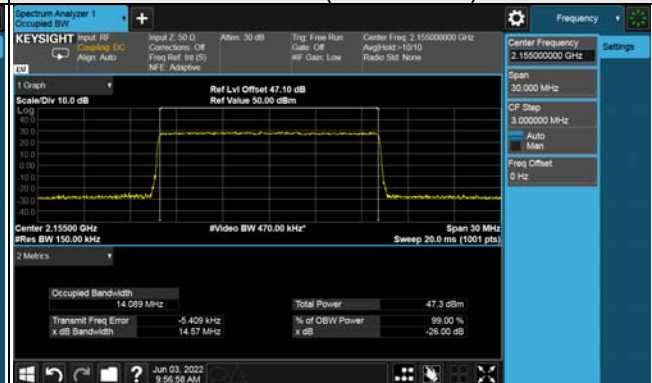


256QAM

Ch 423500 (2117.5MHz)



Ch 431000 (2155.0MHz)



Ch 438500 (2192.5MHz)



Ant. TX 2

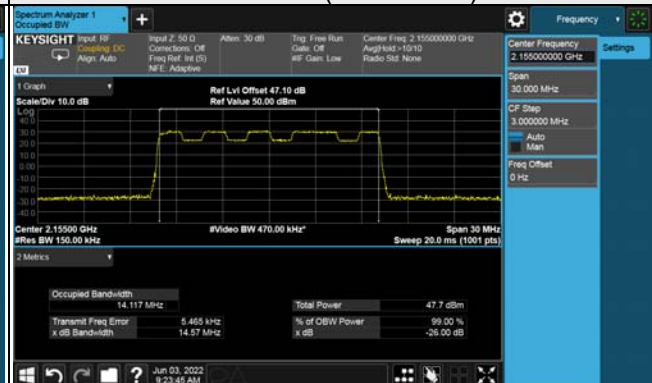
-26dBc Bandwidth

QPSK

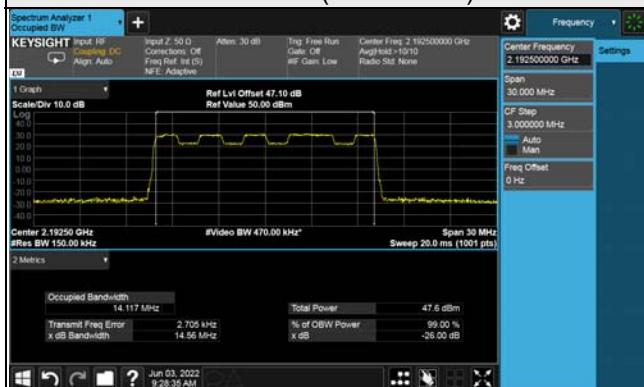
Ch 423500 (2117.5MHz)



Ch 431000 (2155.0MHz)



Ch 438500 (2192.5MHz)



16QAM

Ch 423500 (2117.5MHz)



Ch 431000 (2155.0MHz)



Ch 438500 (2192.5MHz)

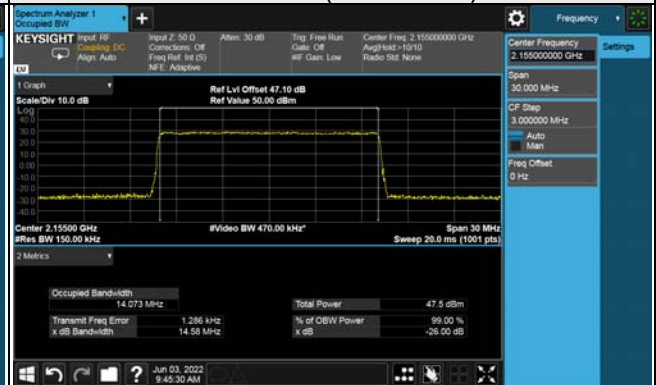


64QAM

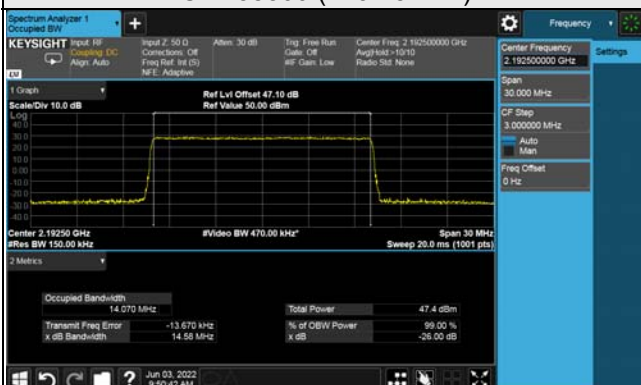
Ch 423500 (2117.5MHz)



Ch 431000 (2155.0MHz)



Ch 438500 (2192.5MHz)

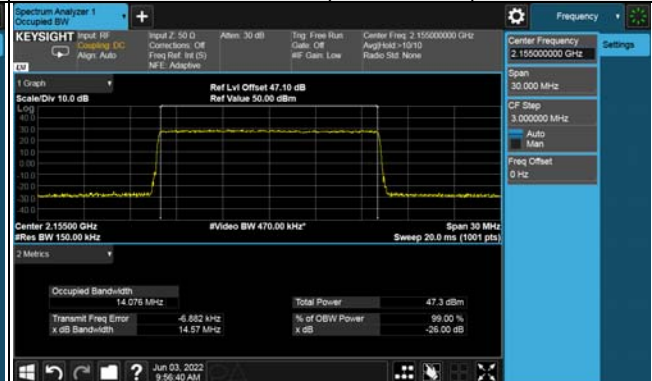


256QAM

Ch 423500 (2117.5MHz)



Ch 431000 (2155.0MHz)



Ch 438500 (2192.5MHz)



Ant. TX 3

-26dBc Bandwidth QPSK

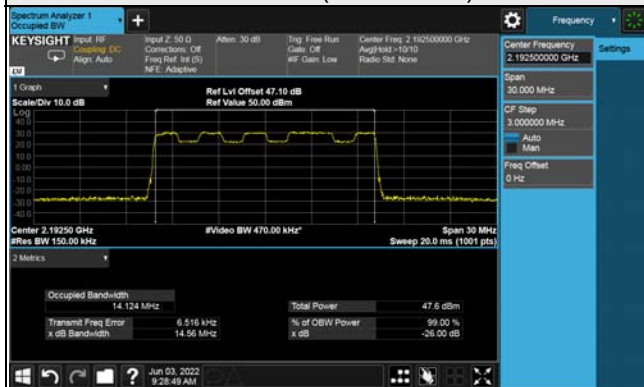
Ch 423500 (2117.5MHz)



Ch 431000 (2155.0MHz)



Ch 438500 (2192.5MHz)

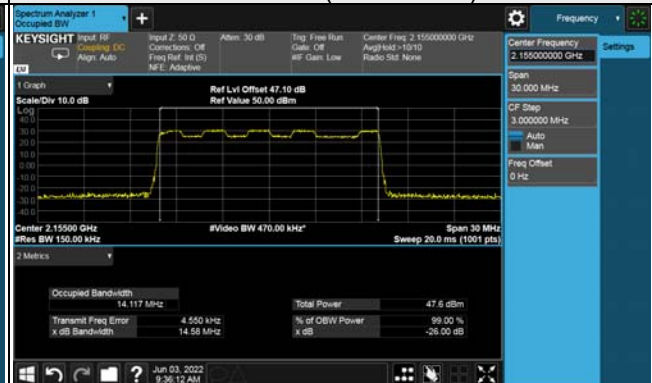


16QAM

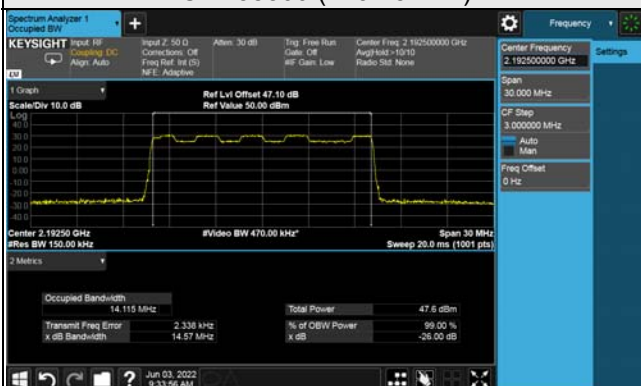
Ch 423500 (2117.5MHz)



Ch 431000 (2155.0MHz)

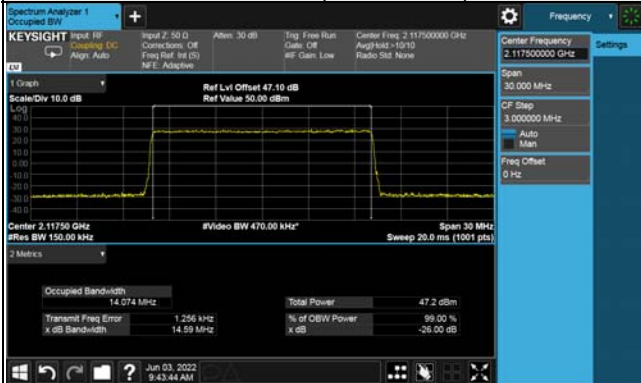


Ch 438500 (2192.5MHz)

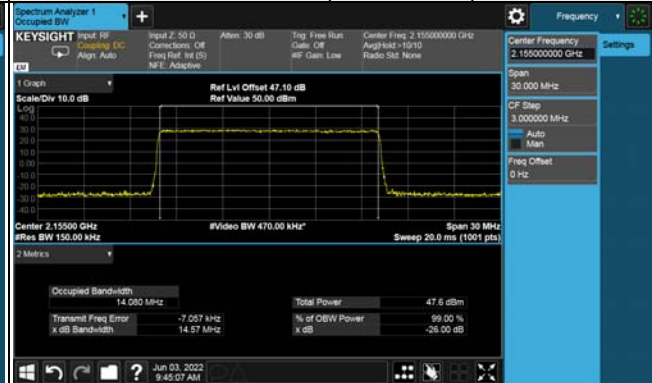


64QAM

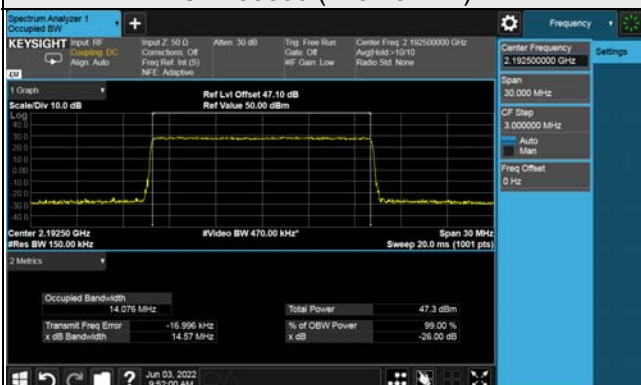
Ch 423500 (2117.5MHz)



Ch 431000 (2155.0MHz)

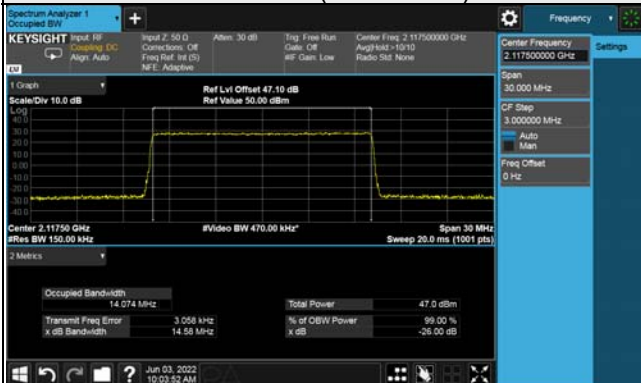


Ch 438500 (2192.5MHz)

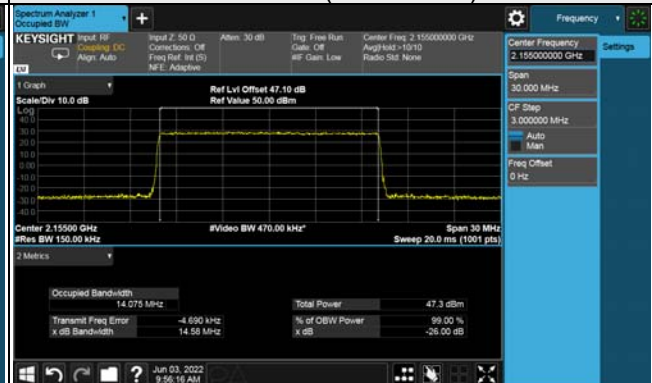


256QAM

Ch 423500 (2117.5MHz)



Ch 431000 (2155.0MHz)



Ch 438500 (2192.5MHz)



20MHz

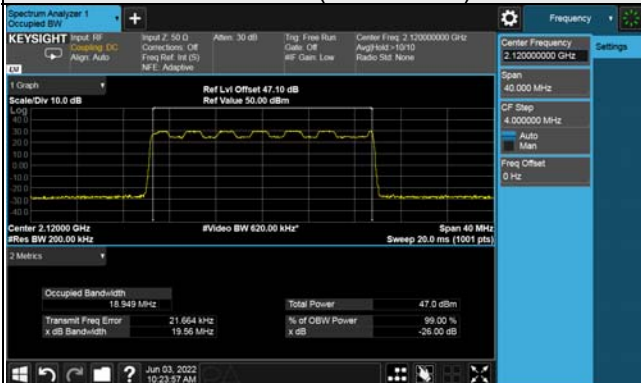
Channel Number	Freq. (MHz)	-26dB Bandwidth (MHz)															
		Ant. TX0				Ant. TX1				Ant. TX2				Ant. TX3			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
424000	2120	19.54	19.56	19.56	19.55	19.55	19.55	19.55	19.55	19.54	19.54	19.56	19.55	19.53	19.54	19.56	19.56
431000	2155	19.54	19.53	19.55	19.55	19.53	19.55	19.57	19.55	19.55	19.53	19.57	19.56	19.53	19.54	19.55	19.56
438000	2190	19.52	19.53	19.57	19.55	19.54	19.53	19.57	19.54	19.53	19.53	19.55	19.54	19.53	19.54	19.56	19.55

Ant. TX 0

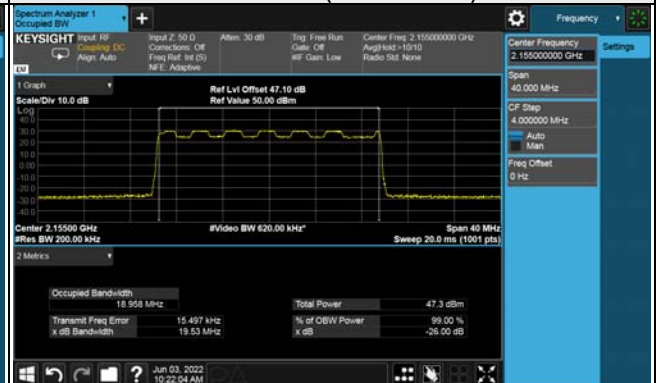


16QAM

Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)



Ch 438000 (2190.0MHz)



64QAM

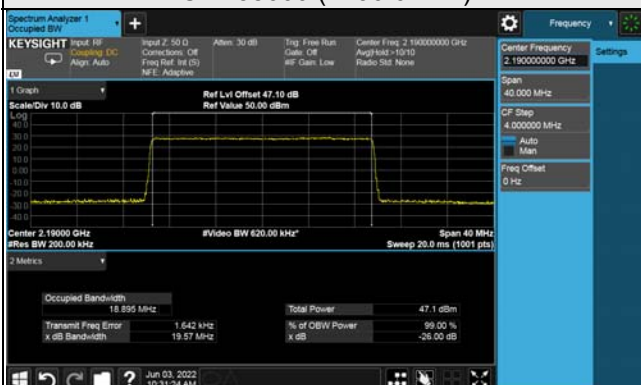
Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)

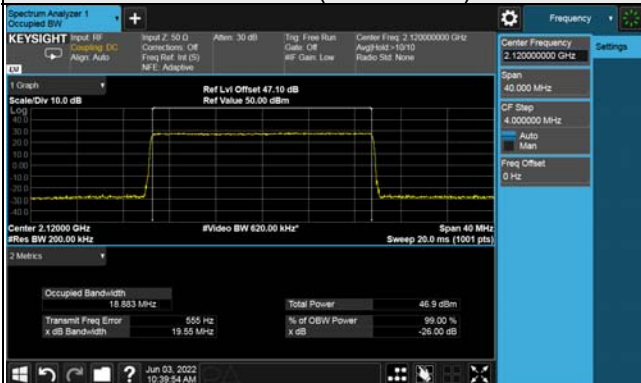


Ch 438000 (2190.0MHz)

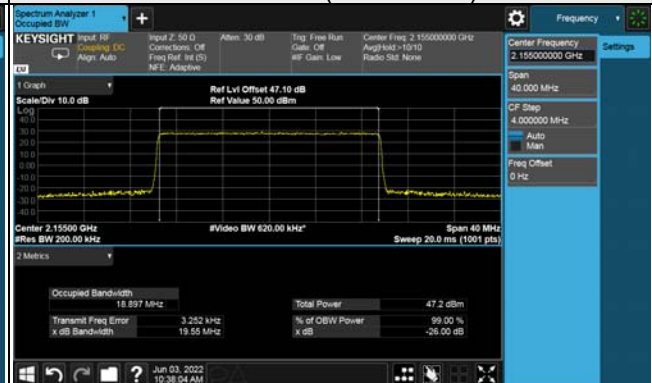


256QAM

Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)



Ch 438000 (2190.0MHz)

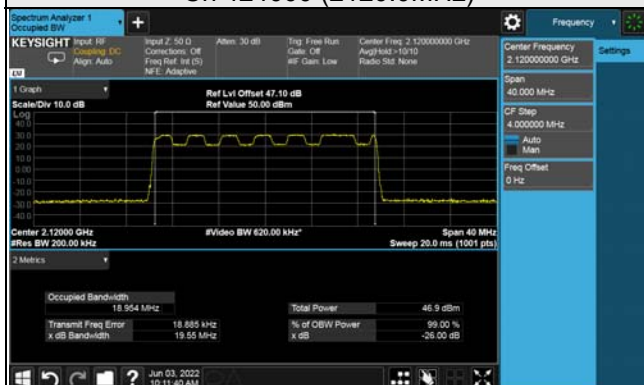


Ant. TX 1

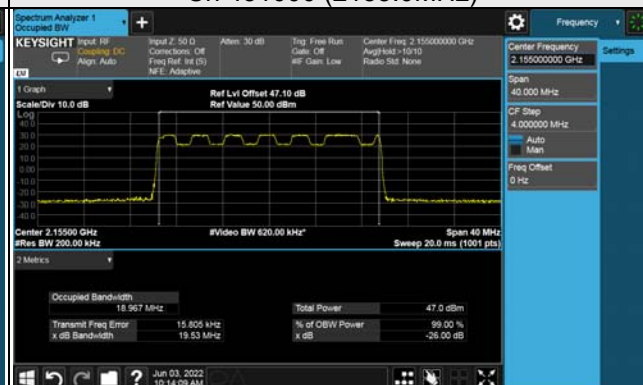
-26dBc Bandwidth

QPSK

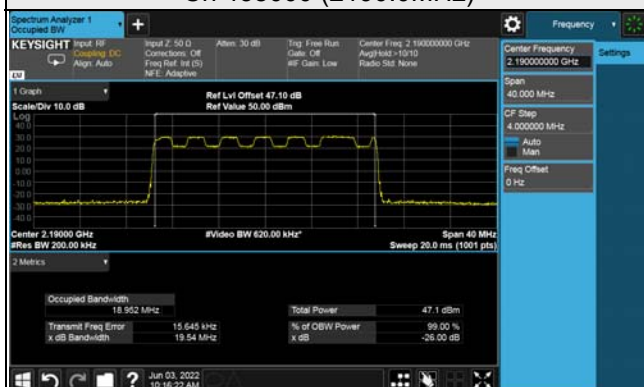
Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)

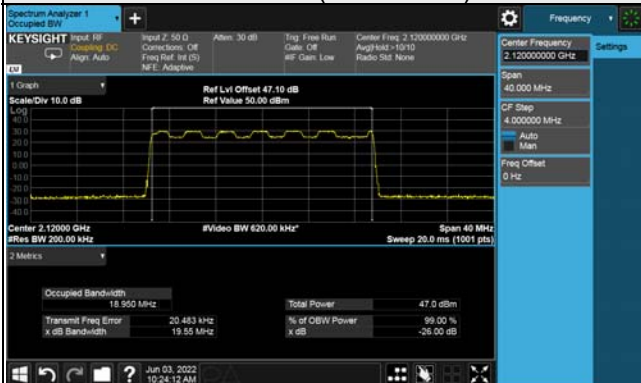


Ch 438000 (2190.0MHz)

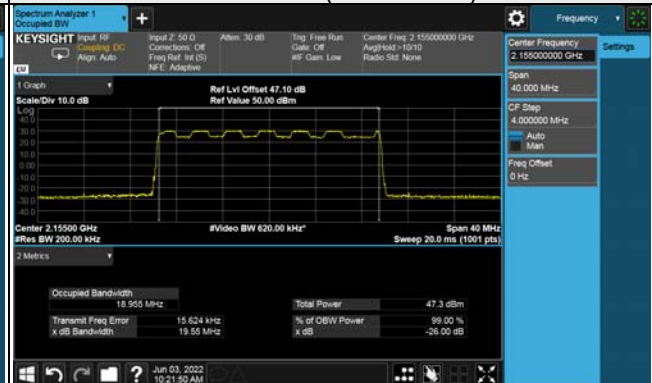


16QAM

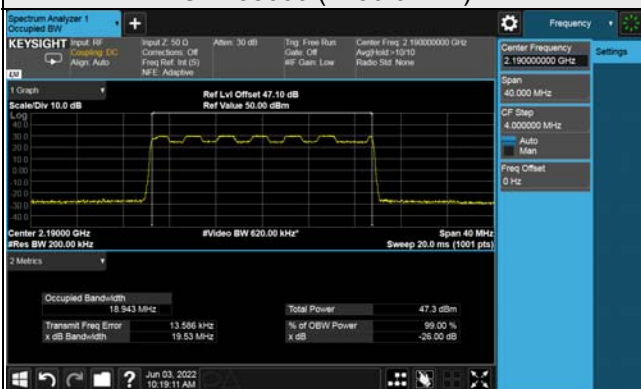
Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)



Ch 438000 (2190.0MHz)

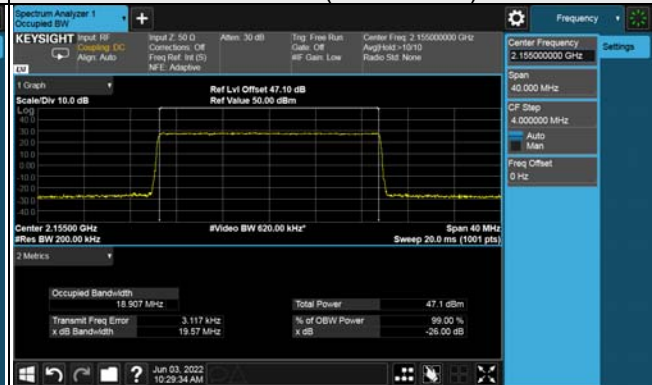


64QAM

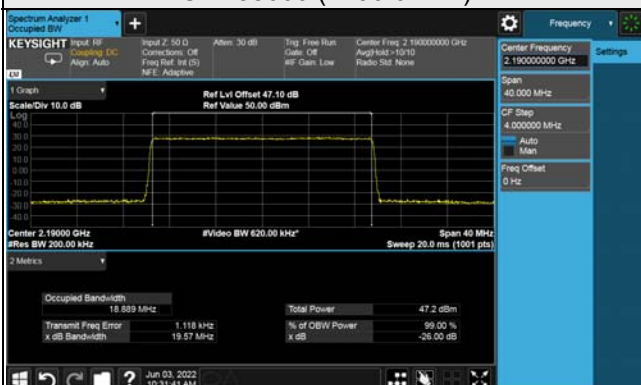
Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)

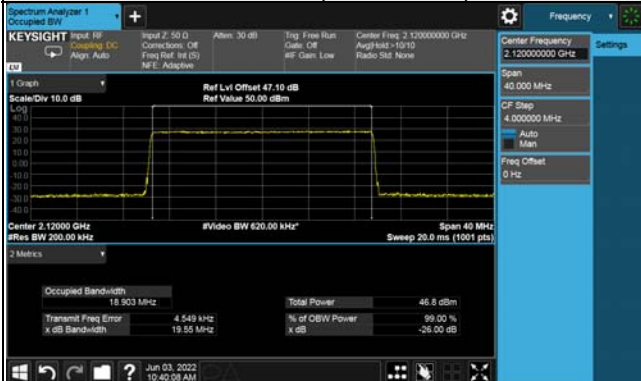


Ch 438000 (2190.0MHz)

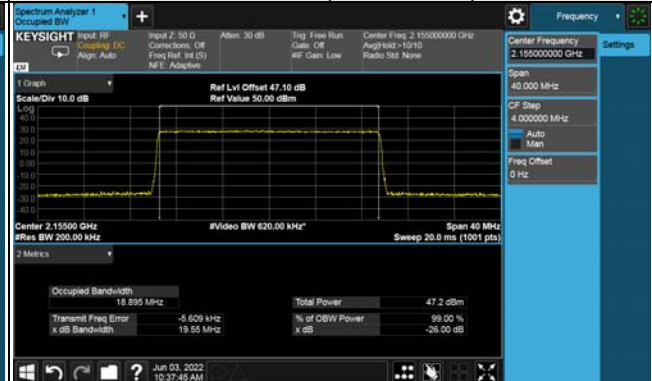


256QAM

Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)



Ch 438000 (2190.0MHz)

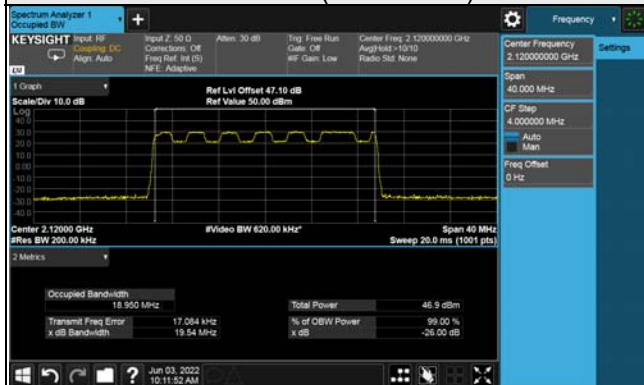


Ant. TX 2

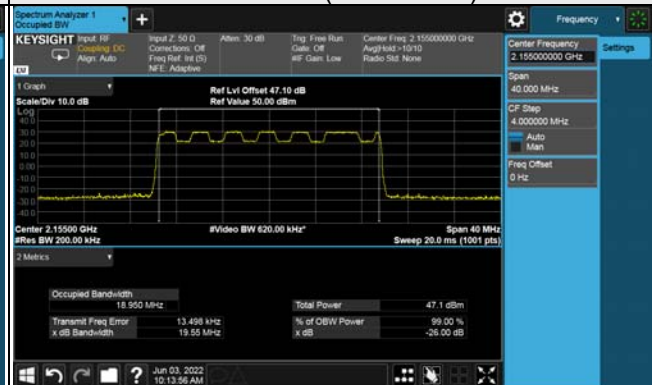
-26dBc Bandwidth

QPSK

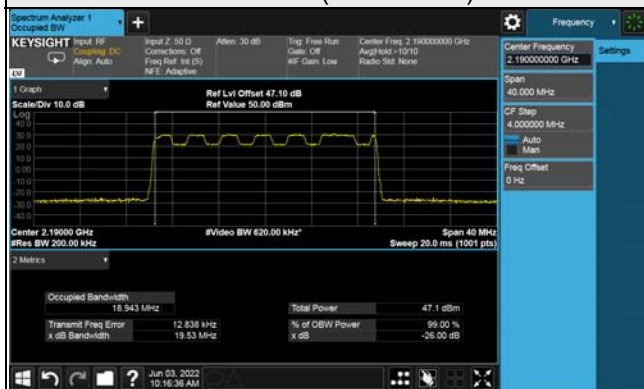
Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)

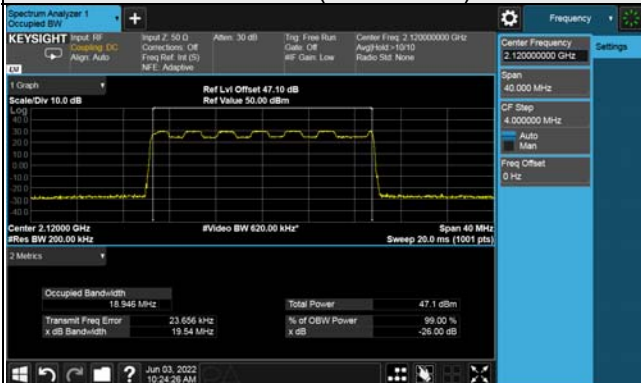


Ch 438000 (2190.0MHz)

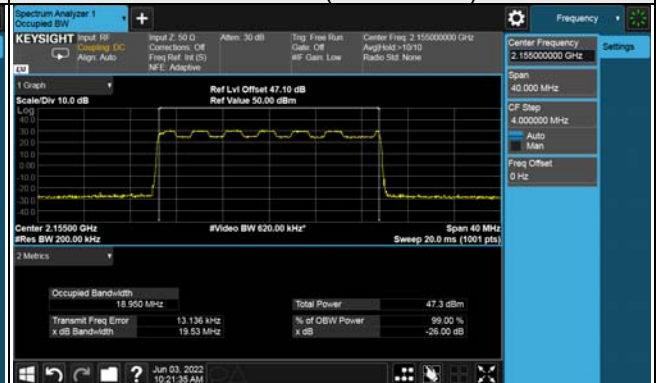


16QAM

Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)



Ch 438000 (2190.0MHz)



64QAM

Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)

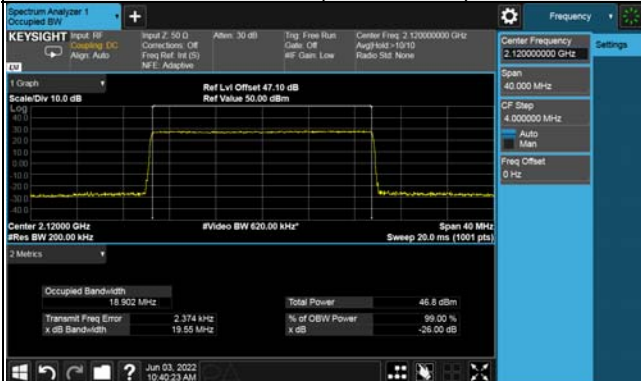


Ch 438000 (2190.0MHz)

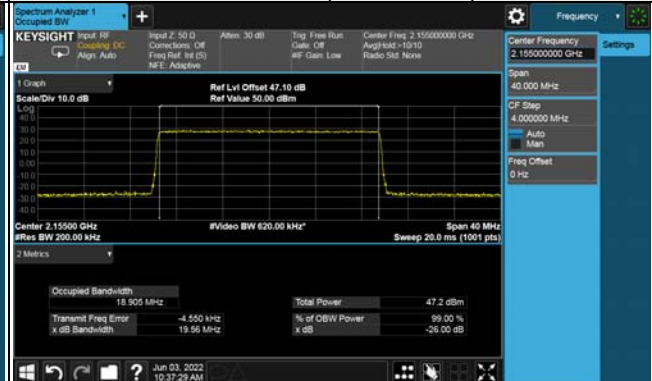


256QAM

Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)



Ch 438000 (2190.0MHz)

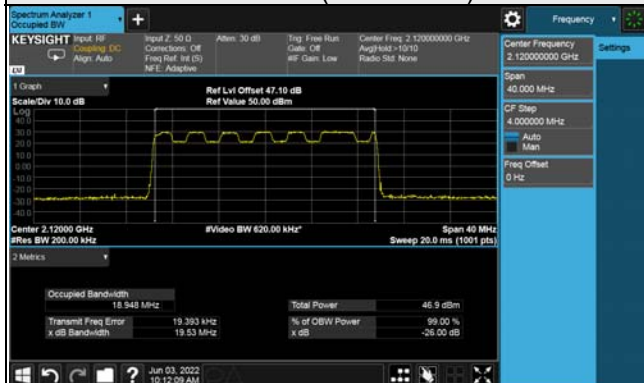


Ant. TX 3

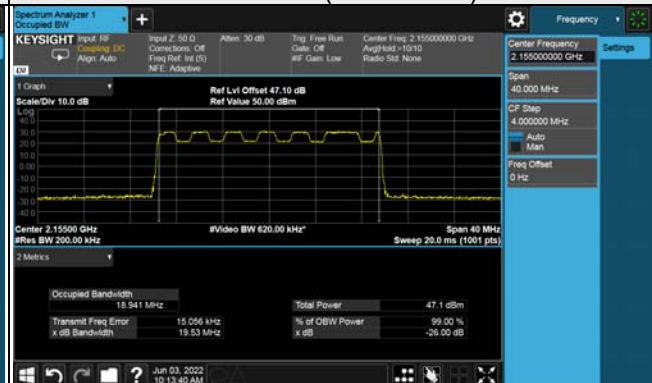
-26dBc Bandwidth

QPSK

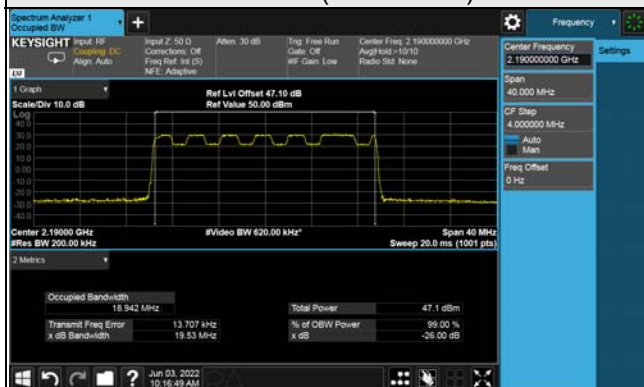
Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)

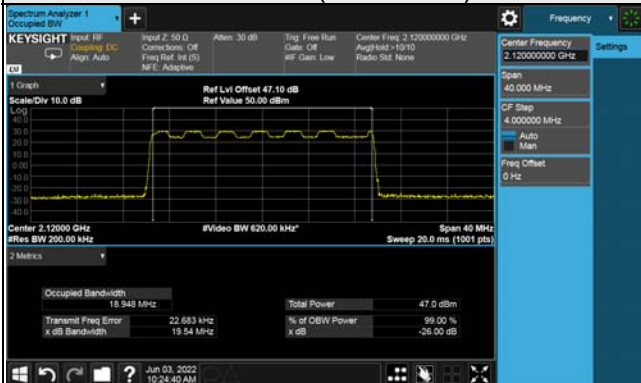


Ch 438000 (2190.0MHz)

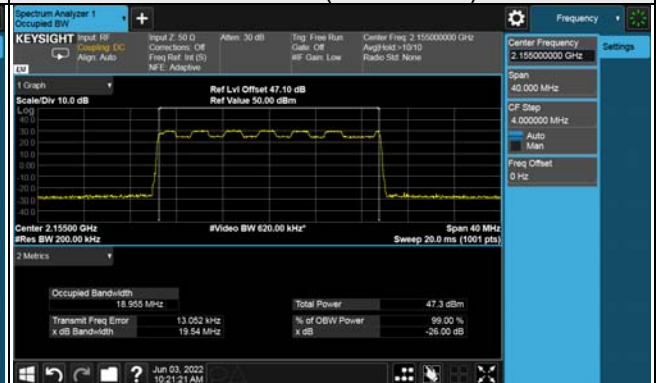


16QAM

Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)



Ch 438000 (2190.0MHz)



64QAM

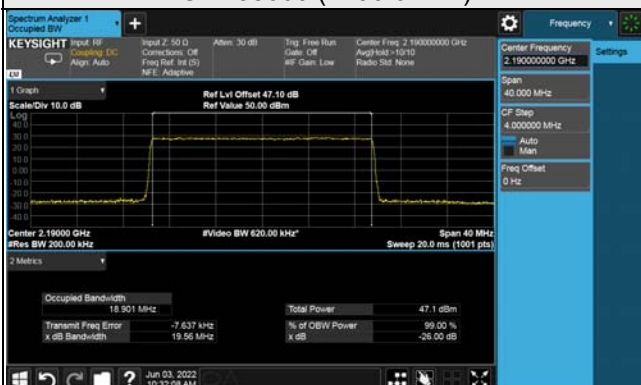
Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)

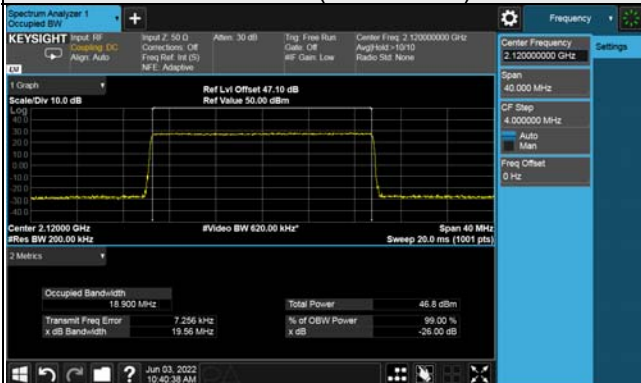


Ch 438000 (2190.0MHz)

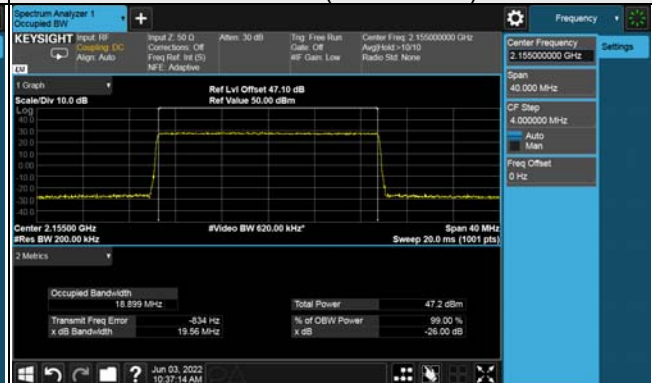


256QAM

Ch 424000 (2120.0MHz)



Ch 431000 (2155.0MHz)



Ch 438000 (2190.0MHz)



CA Contiguous

20MHz+20MHz

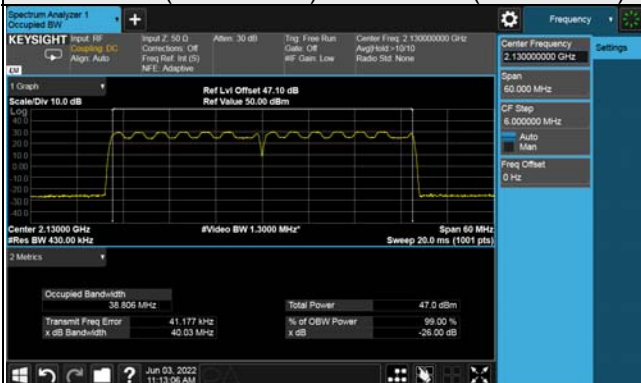
Channel Number	Freq. (MHz)	-26dB Bandwidth (MHz)															
		Ant. TX0				Ant. TX1				Ant. TX2				Ant. TX3			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
424000+428000	2120.0+2140.0	40.03	40.03	40.05	40.04	40.03	40.04	40.06	40.05	40.04	40.05	40.06	40.06	40.03	40.05	40.06	40.06
429000+433000	2145.0+2165.0	40.03	40.05	40.04	40.06	40.04	40.04	40.05	40.06	40.03	40.04	40.06	40.06	40.04	40.04	40.06	40.06
434000+438000	2170.0+2190.0	40.03	40.04	40.06	40.06	40.03	40.04	40.06	40.05	40.03	40.05	40.04	40.05	40.03	40.03	40.06	40.05

Ant. TX 0

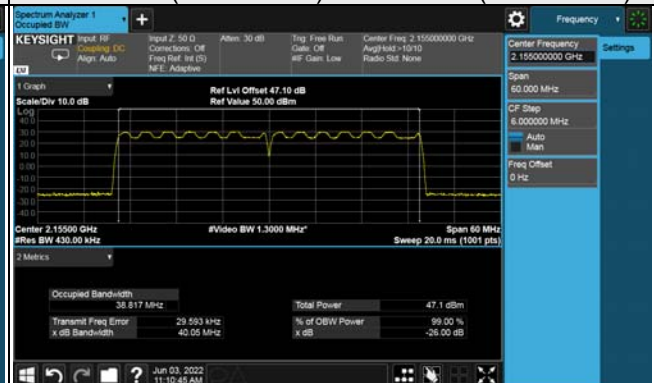


16QAM

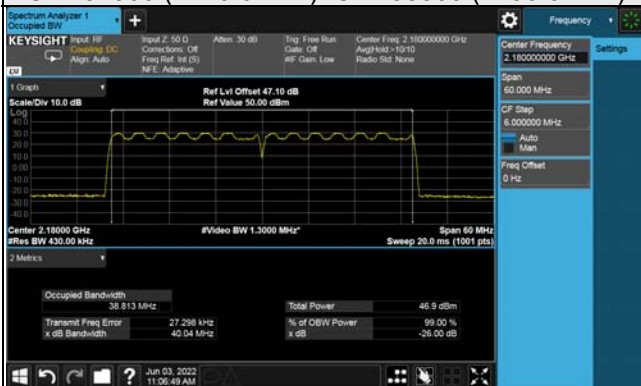
Ch 424000 (2120.0MHz)+Ch 428000 (2140.0MHz)



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)

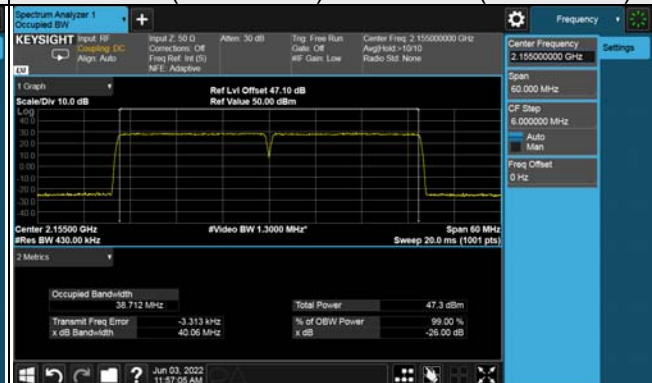


256QAM

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



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



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



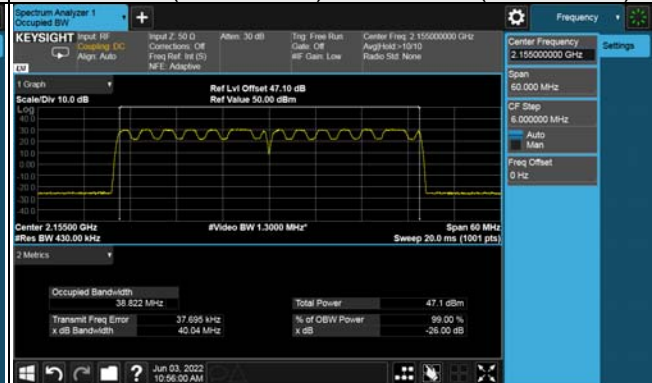
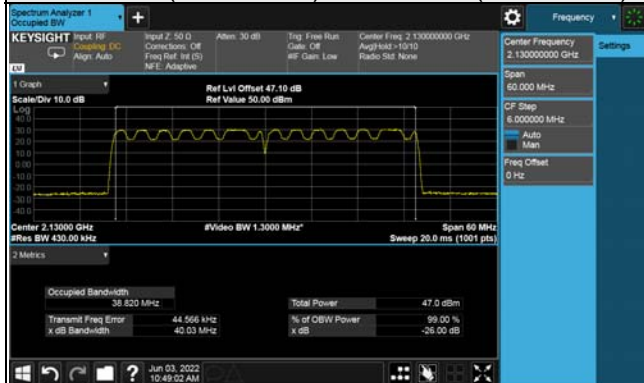
Ant. TX 1

-26dBc Bandwidth

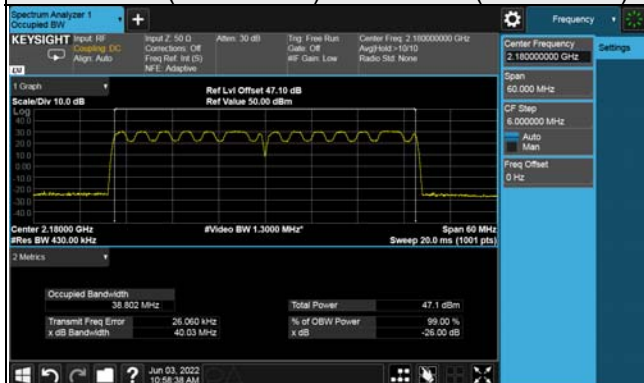
QPSK

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

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

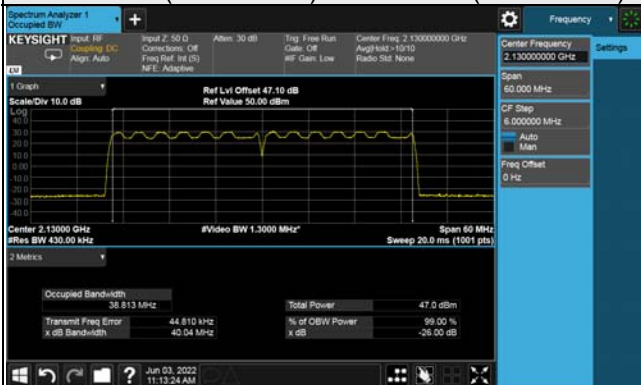


Ch 434000 (2170.0MHz)+Ch 438000 (2190.0MHz)

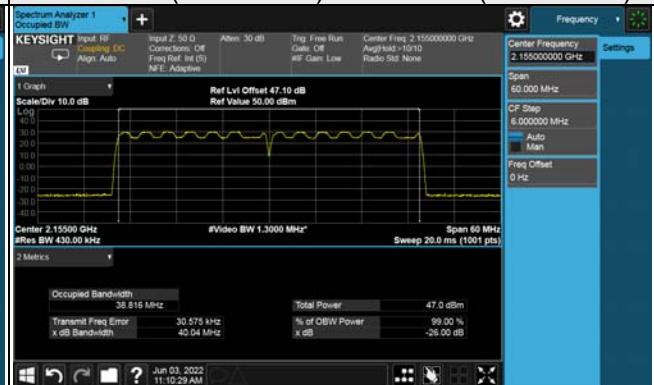


16QAM

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



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



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

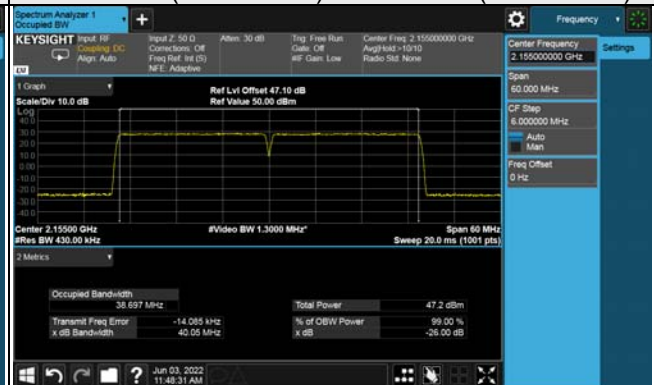


64QAM

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



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



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

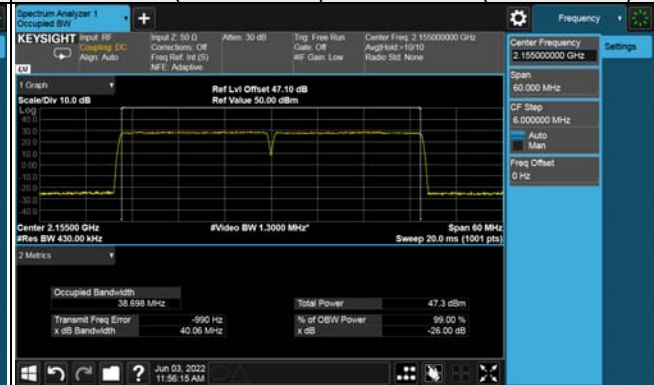


256QAM

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



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



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



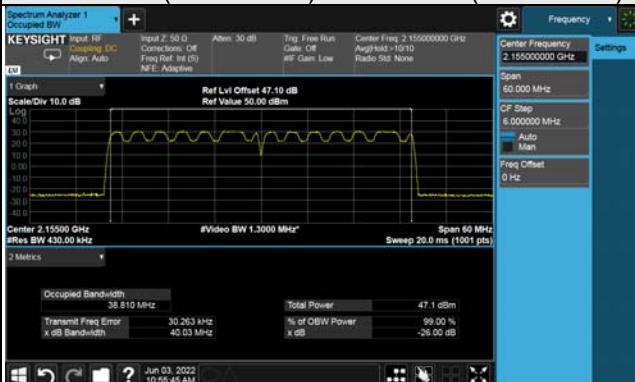
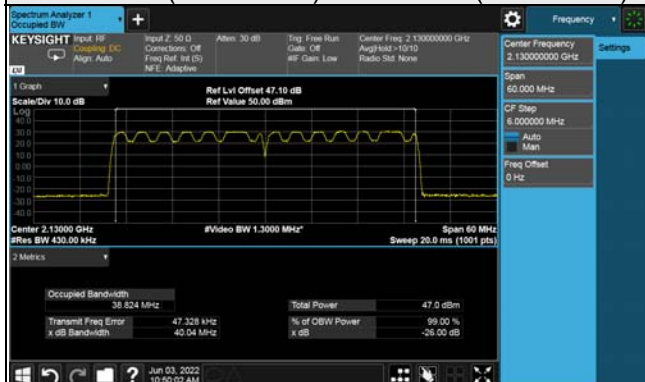
Ant. TX 2

-26dBc Bandwidth

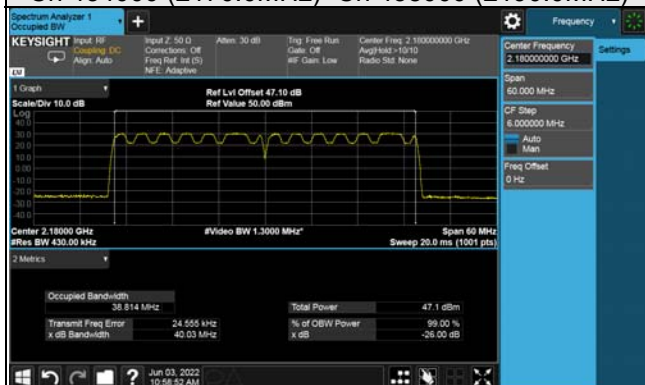
QPSK

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

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

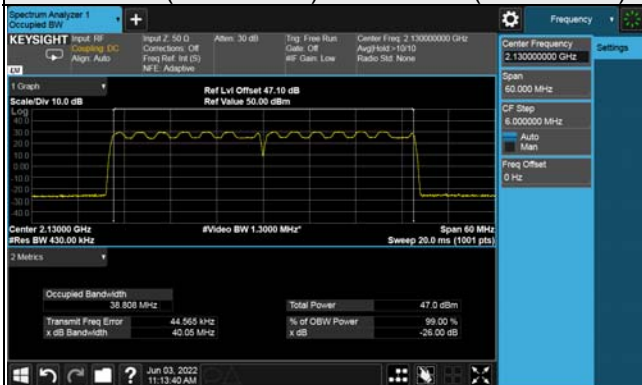


Ch 434000 (2170.0MHz)+Ch 438000 (2190.0MHz)

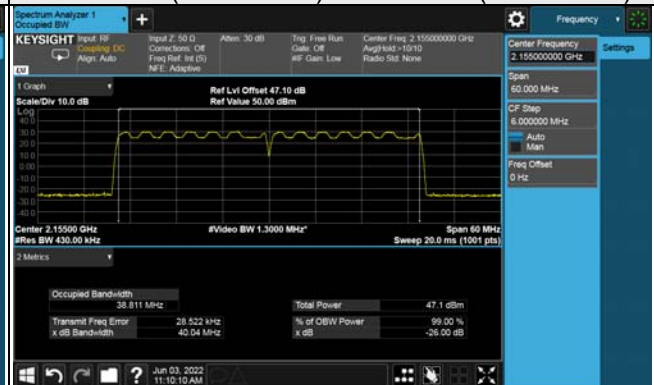


16QAM

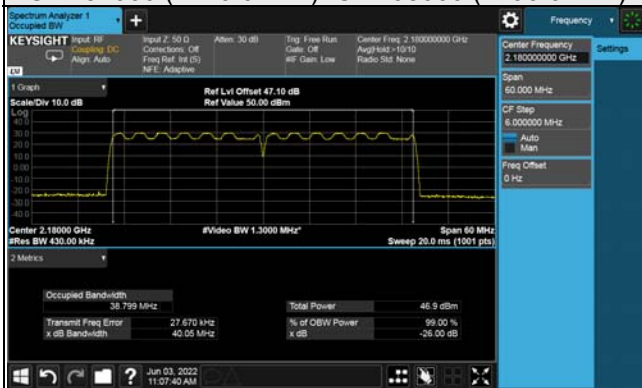
Ch 424000 (2120.0MHz)+Ch 428000 (2140.0MHz)



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



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

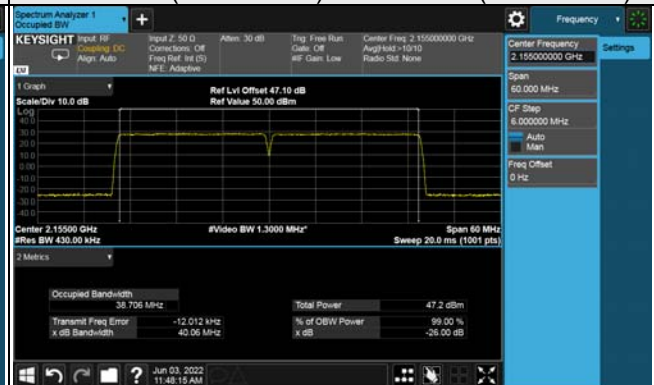


64QAM

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)



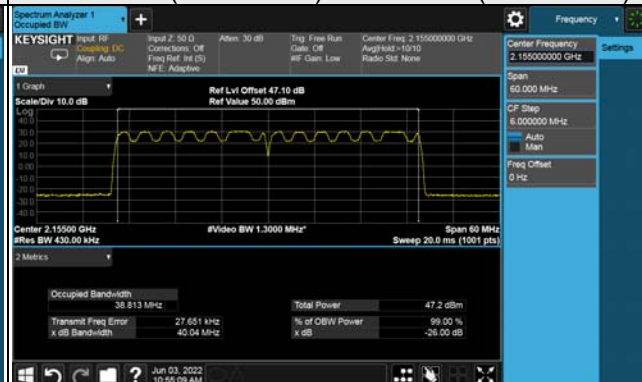
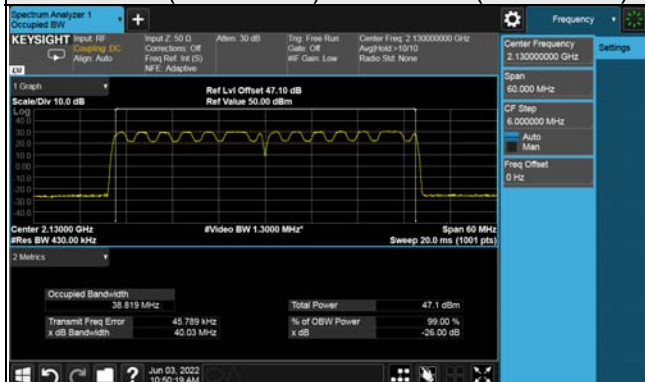
Ant. TX 3

-26dBc Bandwidth

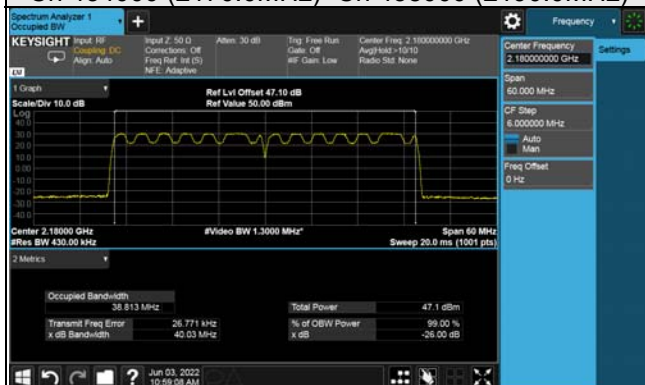
QPSK

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

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

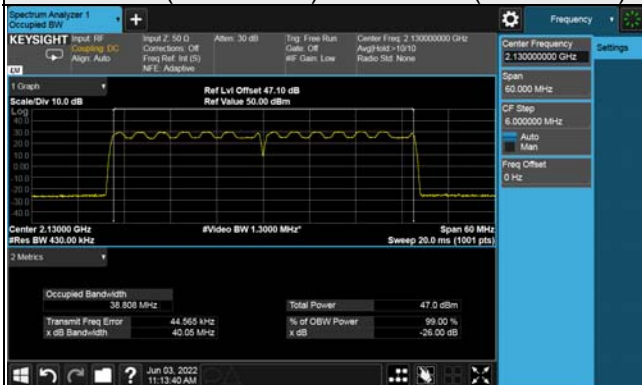


Ch 434000 (2170.0MHz)+Ch 438000 (2190.0MHz)

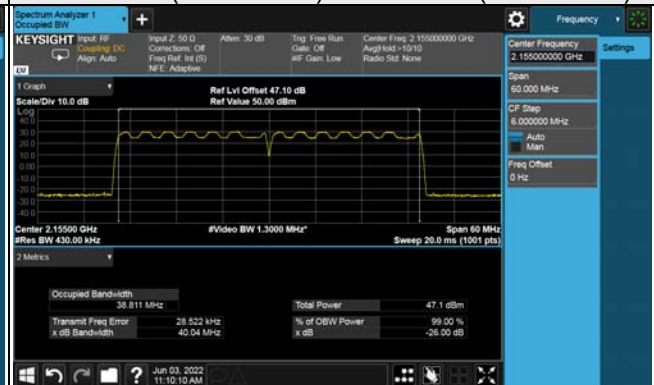


16QAM

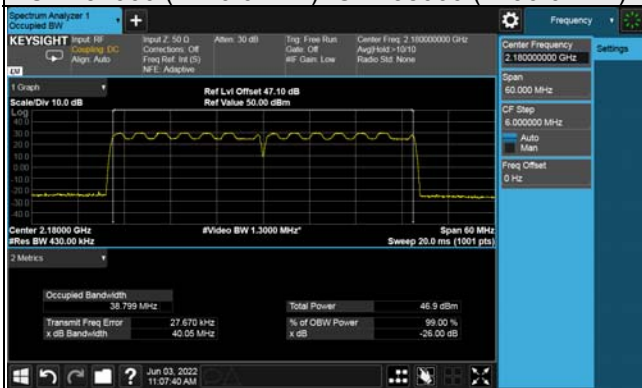
Ch 424000 (2120.0MHz)+Ch 428000 (2140.0MHz)



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

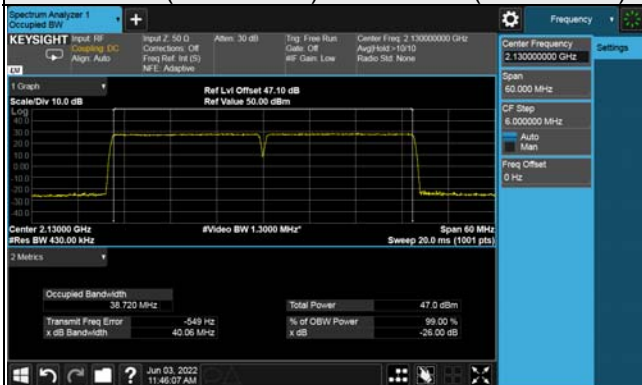


Ch 434000 (2170.0MHz)+Ch 438000 (2190.0MHz)



64QAM

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



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

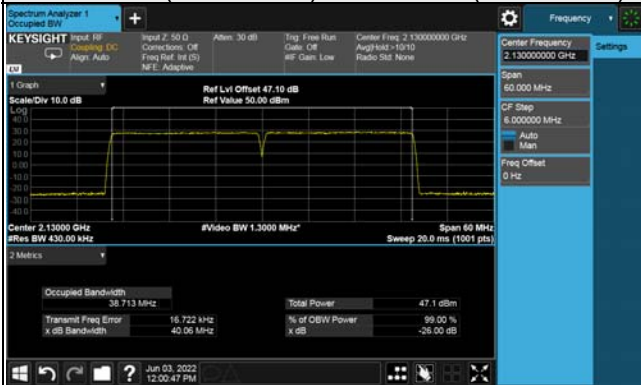


Ch 434000 (2170.0MHz)+Ch 438000 (2190.0MHz)

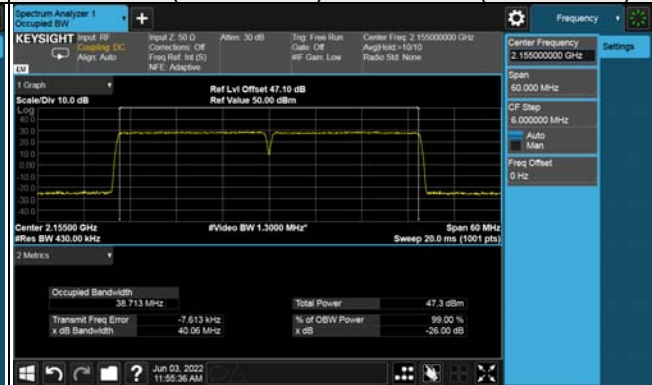


256QAM

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



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



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



CA-Non-Contiguous

5MHz+5MHz

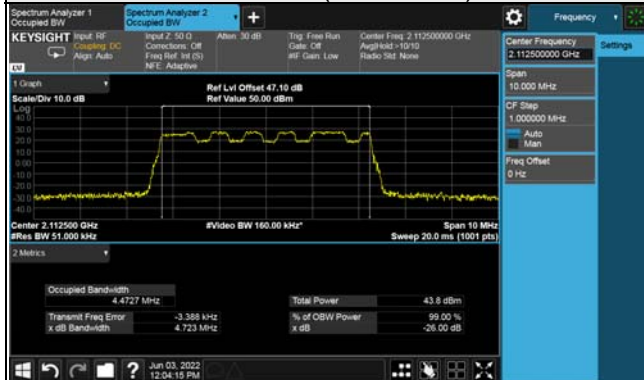
Channel Number	Freq. (MHz)	-26dB Bandwidth (MHz)															
		Ant. TX0				Ant. TX1				Ant. TX2				Ant. TX3			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
422500+ 433500	2112.5	4.72	4.71	4.73	4.74	4.73	4.75	4.74	4.75	4.70	4.70	4.73	4.76	4.70	4.75	4.76	4.74
	2167.5	4.75	4.72	4.76	4.77	4.77	4.72	4.74	4.76	4.76	4.76	4.78	4.74	4.76	4.72	4.79	4.76
425500+ 436500	2127.5	4.75	4.76	4.77	4.75	4.76	4.72	4.76	4.76	4.73	4.73	4.78	4.74	4.73	4.74	4.76	4.73
	2182.5	4.70	4.74	4.74	4.77	4.76	4.74	4.72	4.76	4.75	4.72	4.74	4.77	4.71	4.71	4.72	4.75
428500+ 439500	2142.5	4.73	4.70	4.68	4.69	4.71	4.71	4.73	4.72	4.70	4.71	4.70	4.71	4.72	4.73	4.73	4.73
	2197.5	4.75	4.71	4.76	4.72	4.73	4.72	4.74	4.74	4.77	4.74	4.70	4.73	4.77	4.72	4.72	4.73

Ant. TX 0

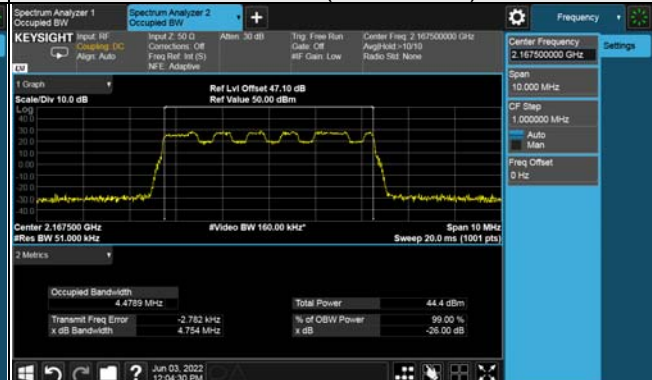
-26dBc Bandwidth

QPSK

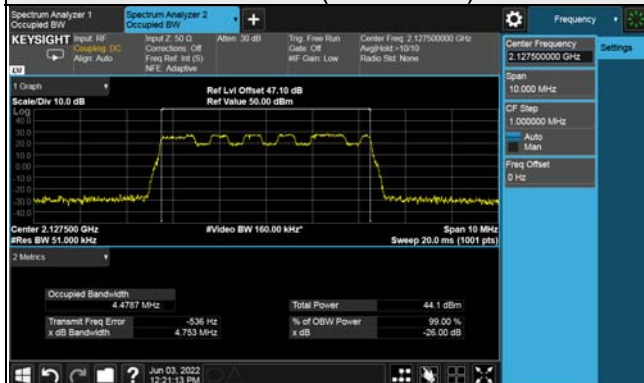
Ch 422500 (2112.5MHz)



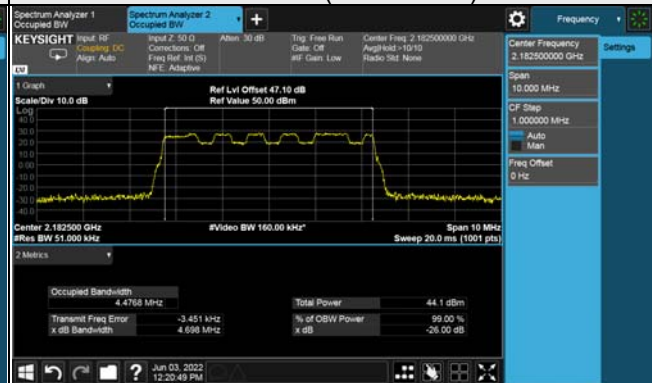
Ch 433500 (2167.5MHz)



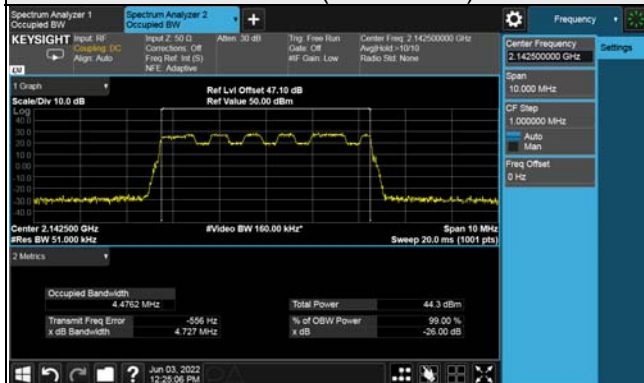
Ch 425500 (2127.5MHz)



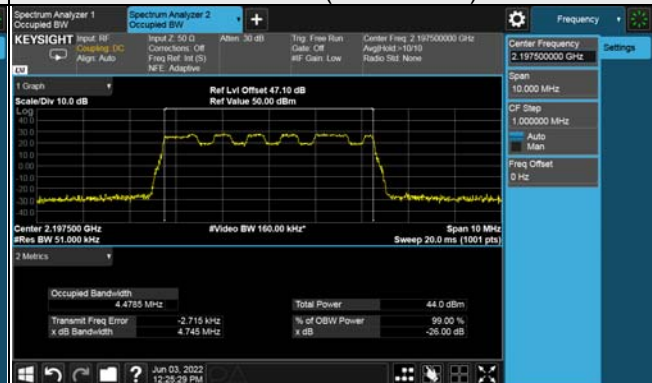
Ch 436500 (2182.5MHz)



Ch 428500 (2142.5MHz)

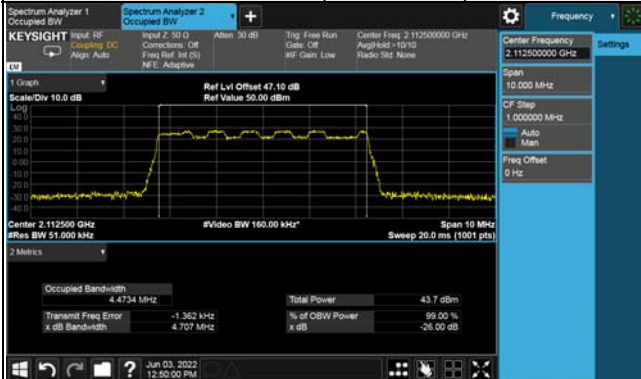


Ch 439500 (2197.5MHz)

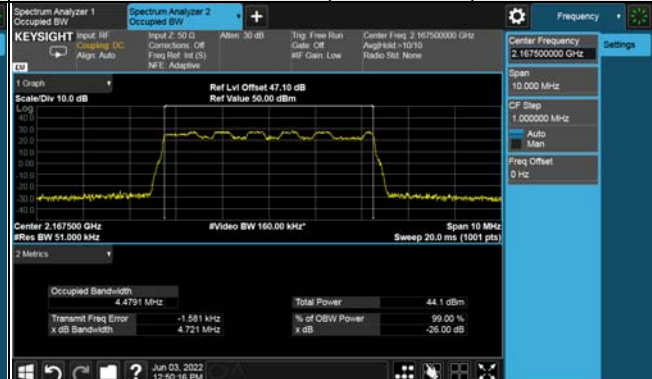


16QAM

Ch 422500 (2112.5MHz)



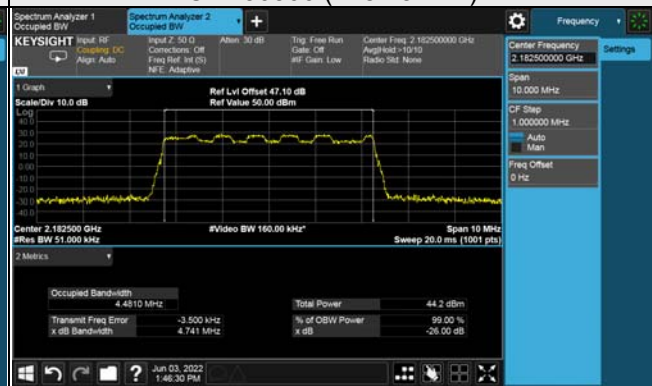
Ch 433500 (2167.5MHz)



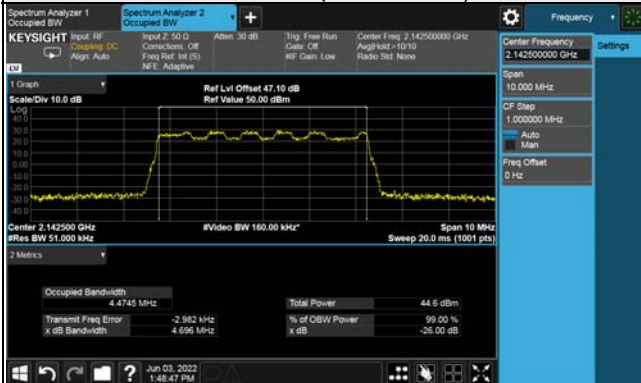
Ch 425500 (2127.5MHz)



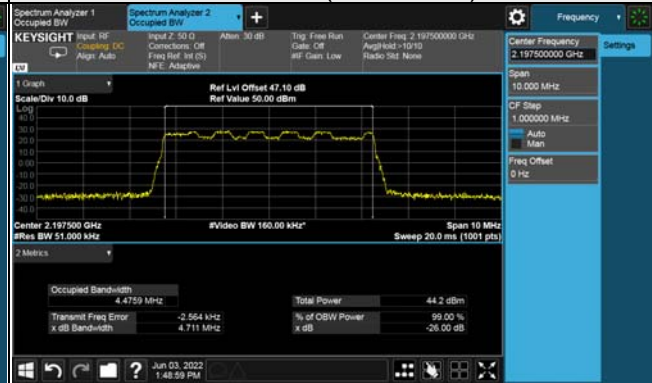
Ch 436500 (2182.5MHz)



Ch 428500 (2142.5MHz)

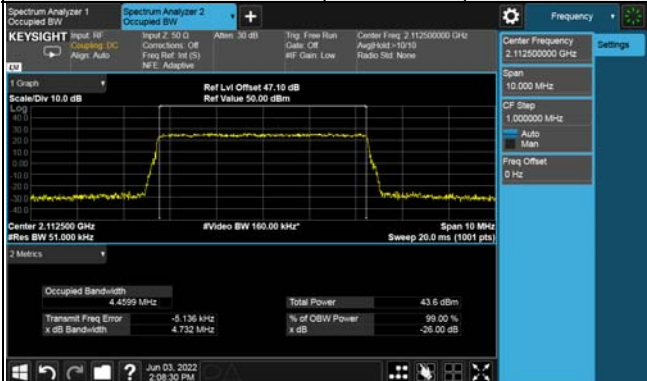


Ch 439500 (2197.5MHz)

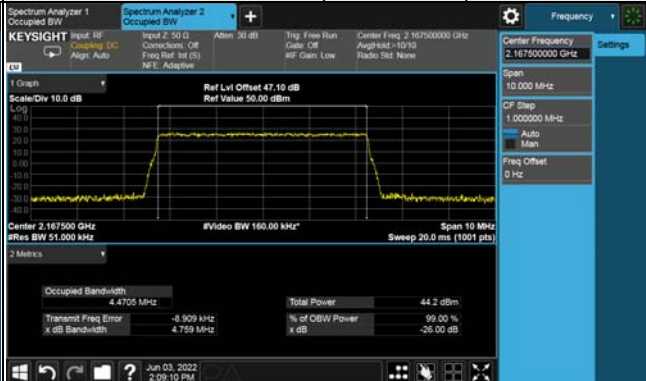


64QAM

Ch 422500 (2112.5MHz)



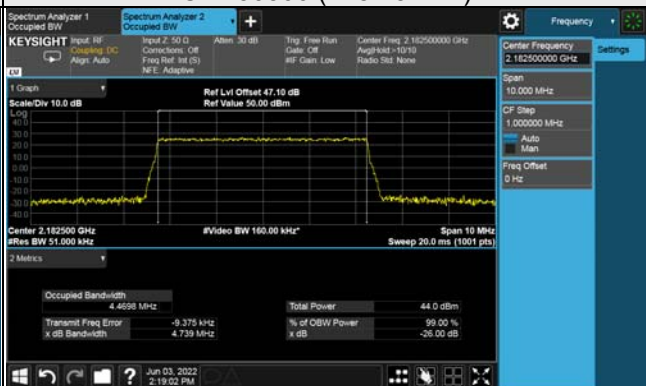
Ch 433500 (2167.5MHz)



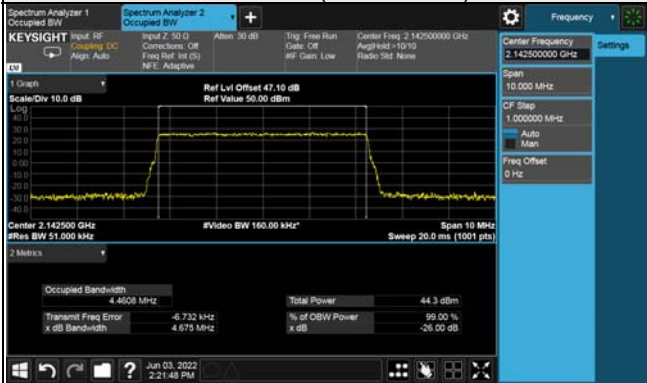
Ch 425500 (2127.5MHz)



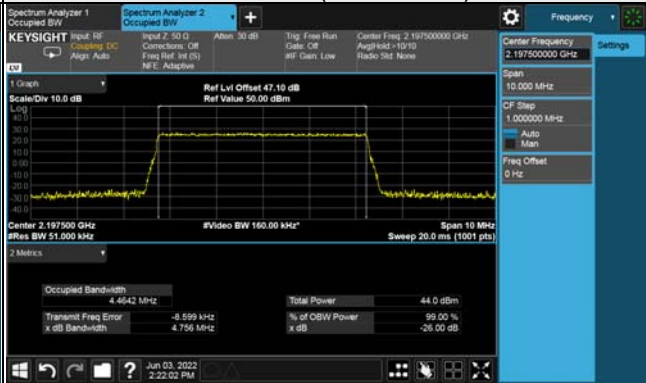
Ch 436500 (2182.5MHz)



Ch 428500 (2142.5MHz)

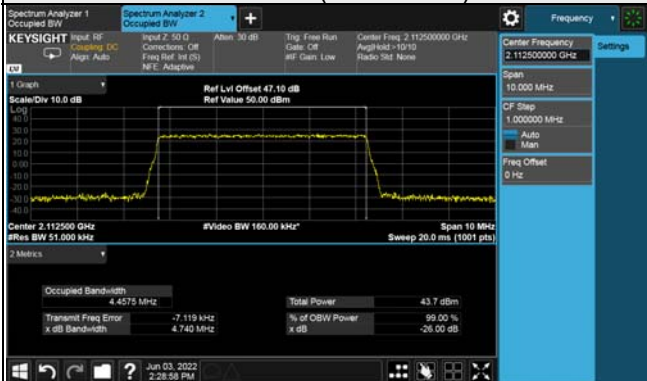


Ch 439500 (2197.5MHz)

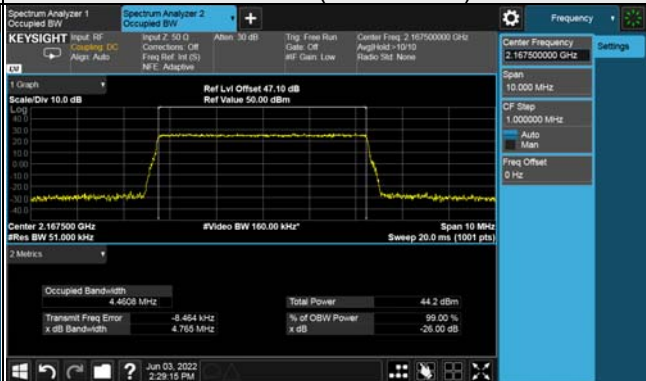


256QAM

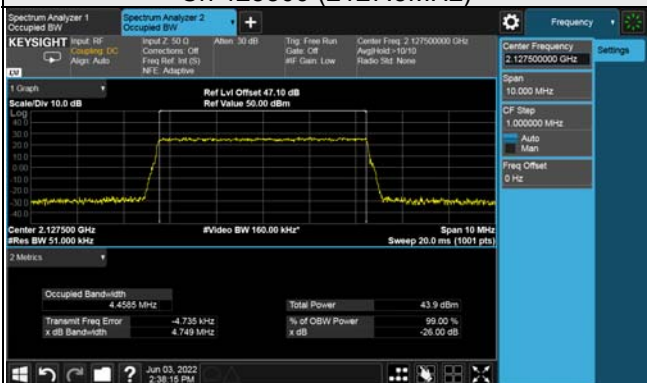
Ch 422500 (2112.5MHz)



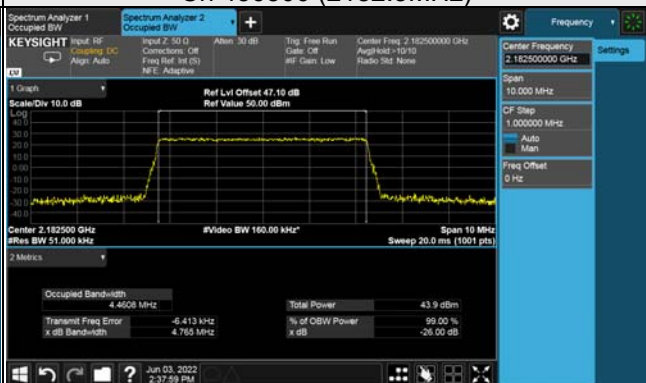
Ch 433500 (2167.5MHz)



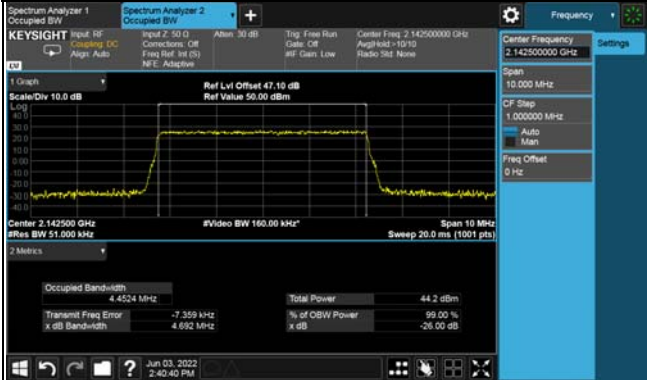
Ch 425500 (2127.5MHz)



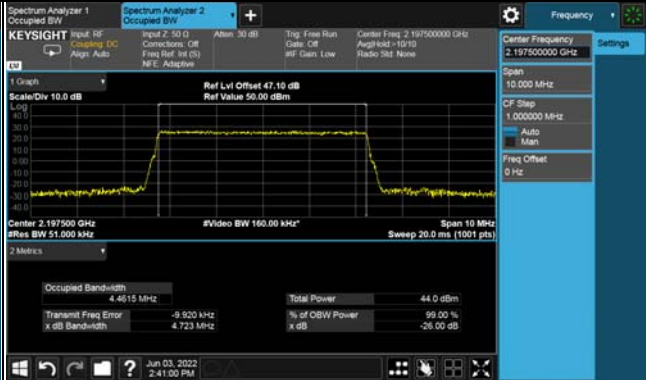
Ch 436500 (2182.5MHz)



Ch 428500 (2142.5MHz)



Ch 439500 (2197.5MHz)

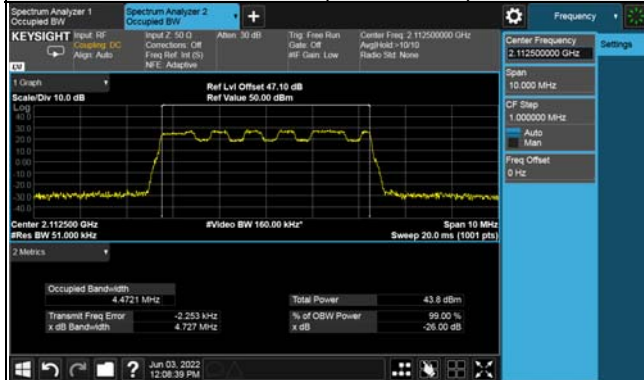


Ant. TX 1

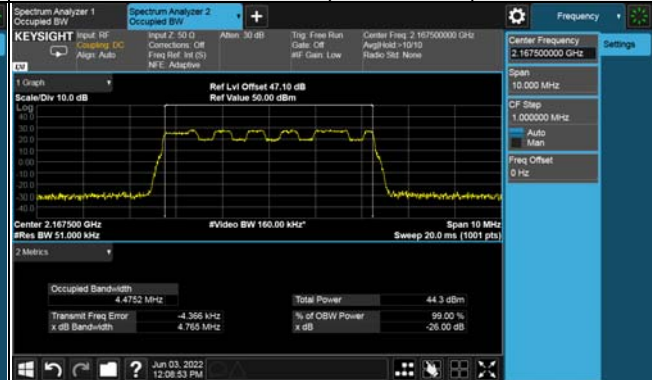
-26dBc Bandwidth

QPSK

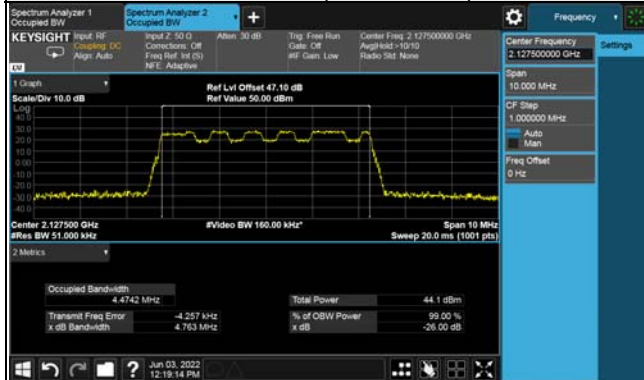
Ch 422500 (2112.5MHz)



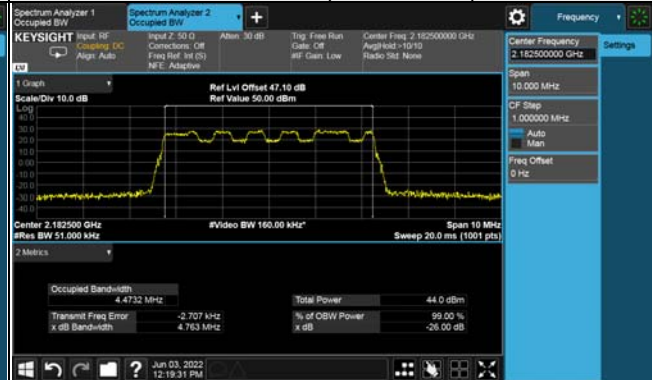
Ch 433500 (2167.5MHz)



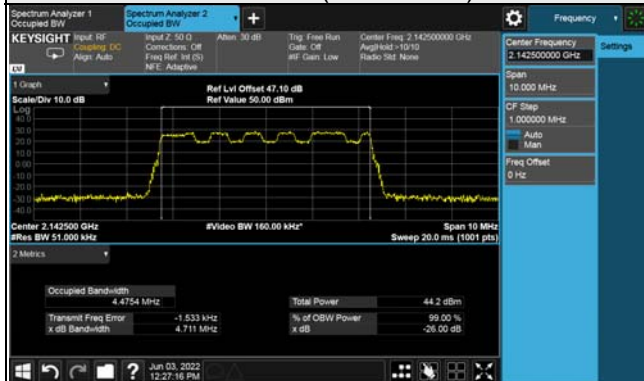
Ch 425500 (2127.5MHz)



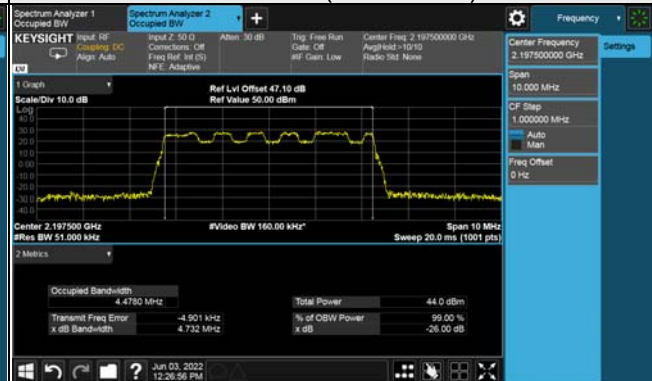
Ch 436500 (2182.5MHz)



Ch 428500 (2142.5MHz)

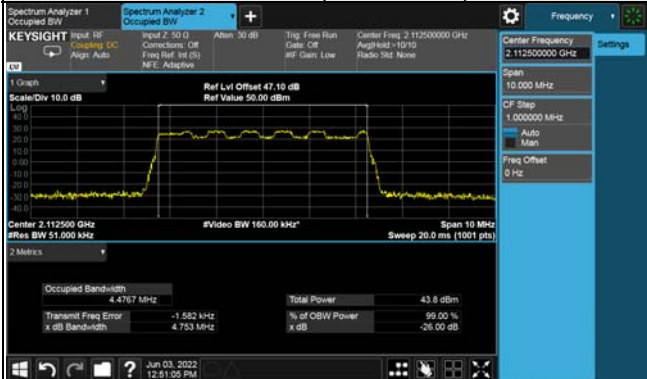


Ch 439500 (2197.5MHz)

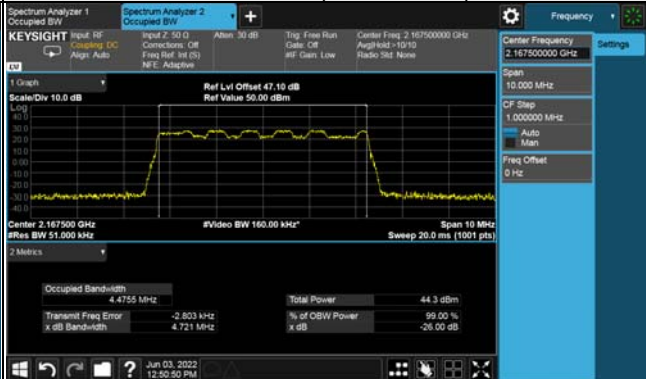


16QAM

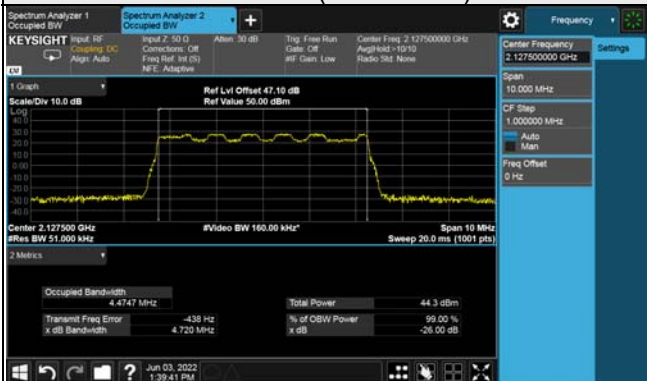
Ch 422500 (2112.5MHz)



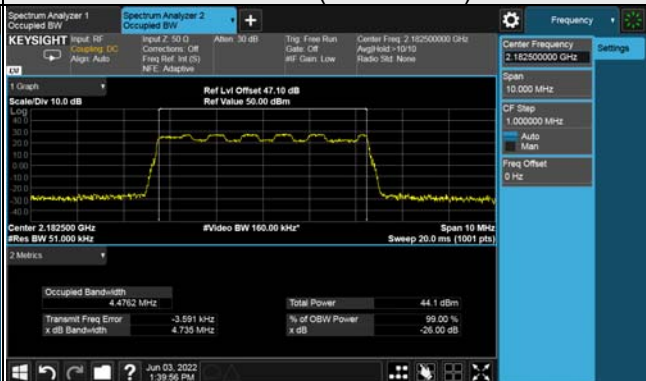
Ch 433500 (2167.5MHz)



Ch 425500 (2127.5MHz)



Ch 436500 (2182.5MHz)



Ch 428500 (2142.5MHz)

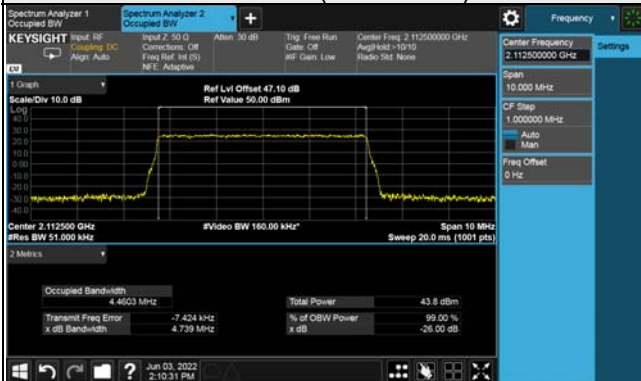


Ch 439500 (2197.5MHz)

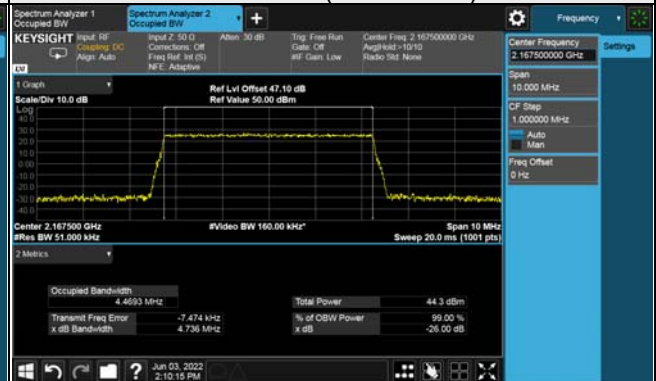


64QAM

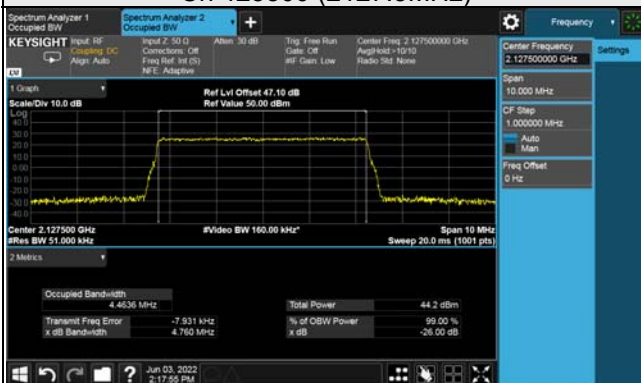
Ch 422500 (2112.5MHz)



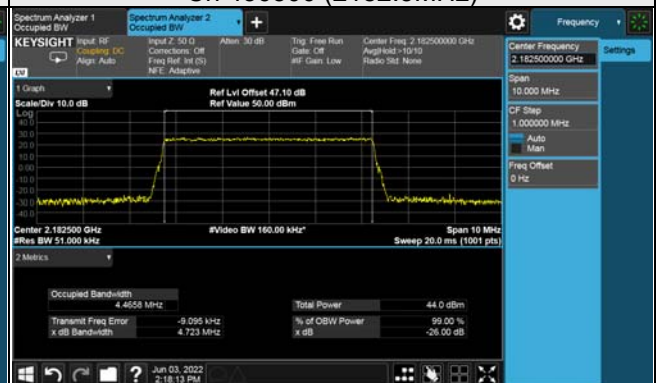
Ch 433500 (2167.5MHz)



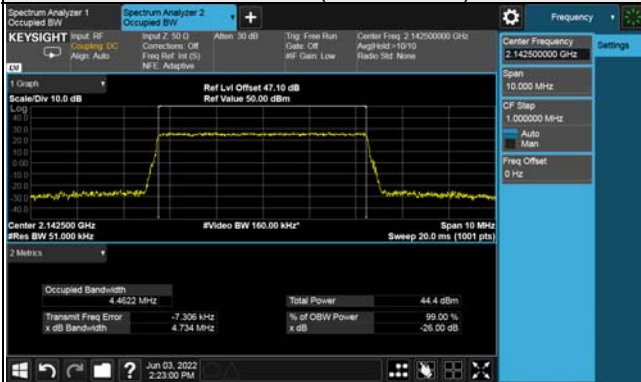
Ch 425500 (2127.5MHz)



Ch 436500 (2182.5MHz)



Ch 428500 (2142.5MHz)



Ch 439500 (2197.5MHz)

