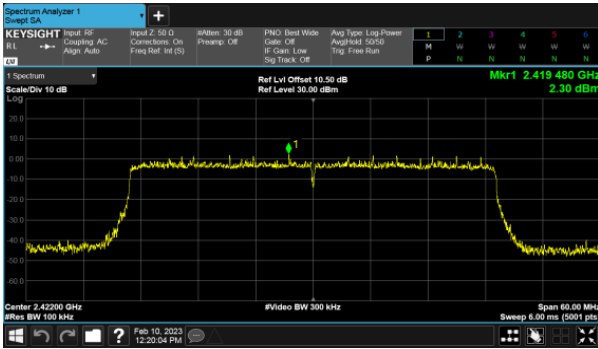
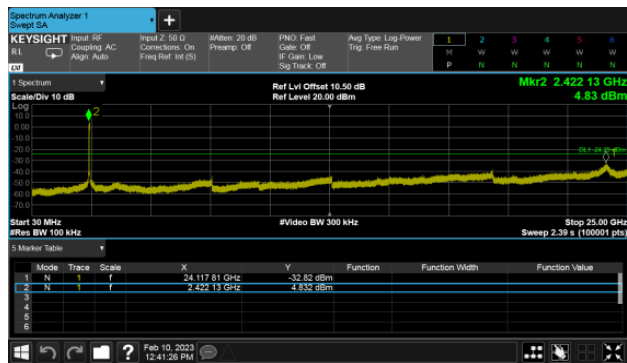
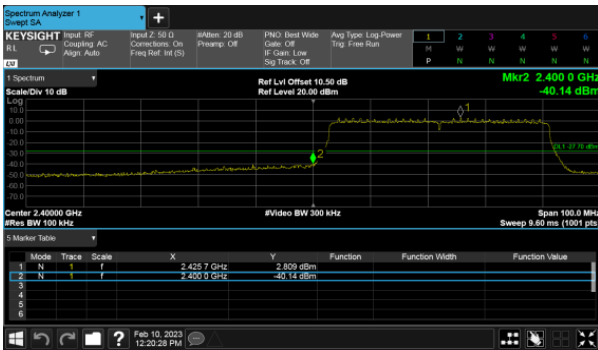
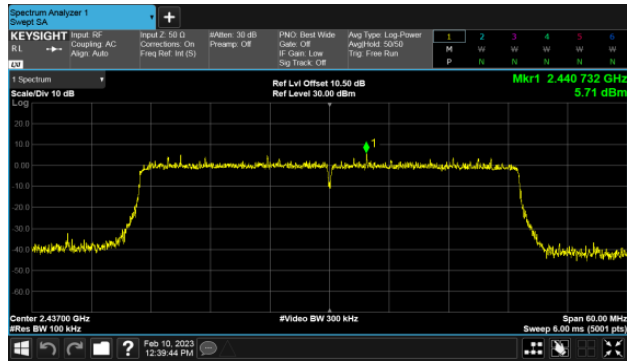




Non BeamForming,ANT C
Modulation Type: 802.11ax HE40, CH03

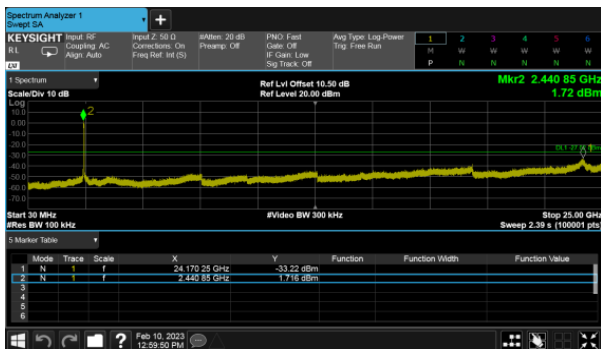
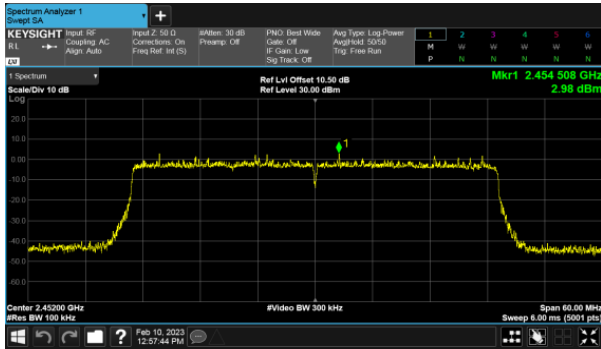


Modulation Type: 802.11ax HE40, CH06



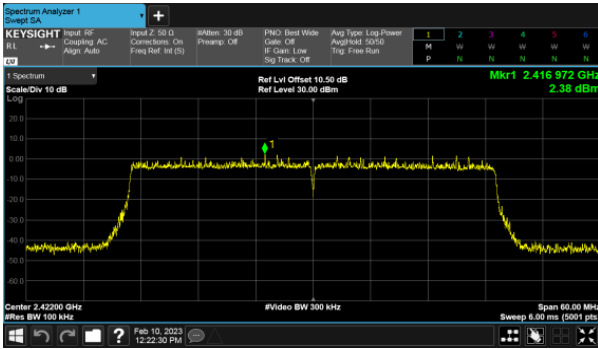


Modulation Type: 802.11ax HE40, CH09

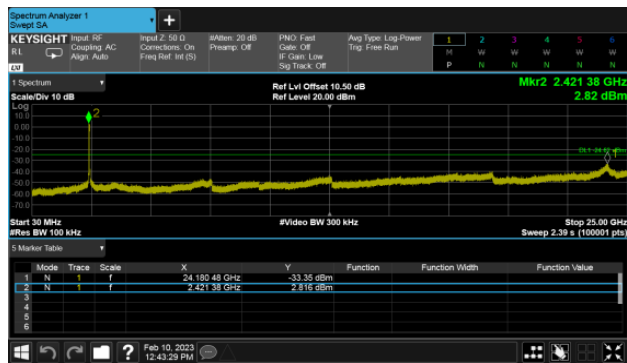
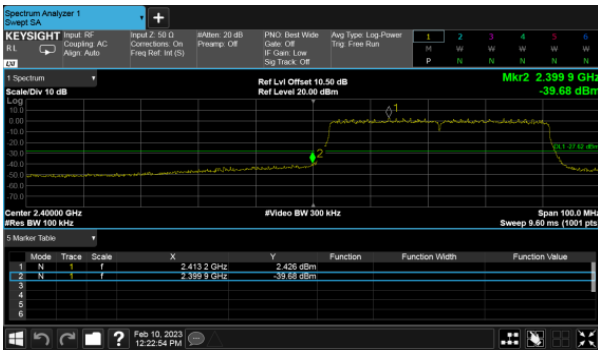
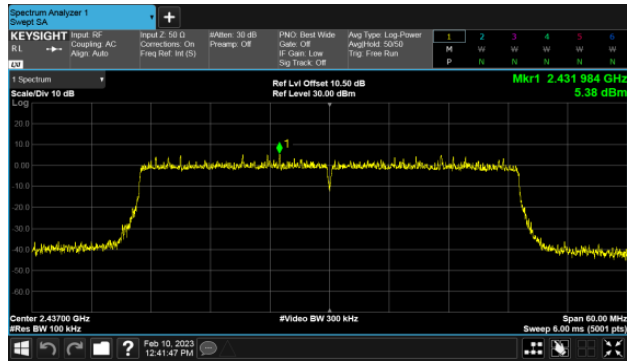




Non BeamForming,ANT D
Modulation Type: 802.11ax HE40, CH03

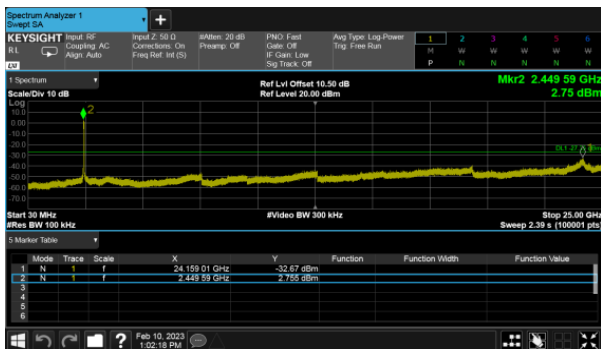
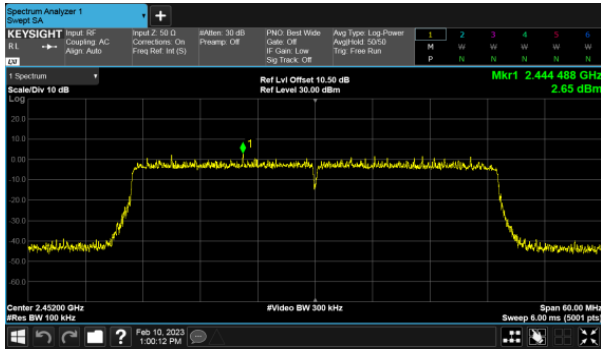


Modulation Type: 802.11ax HE40, CH06





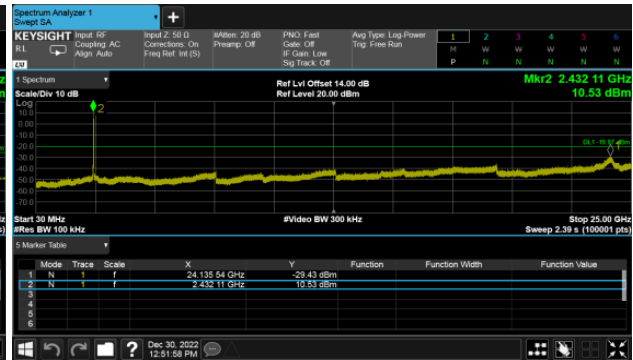
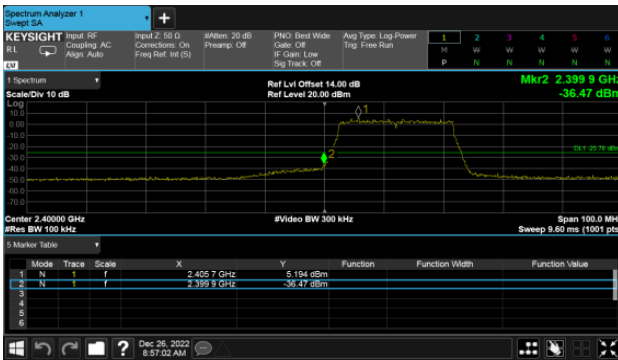
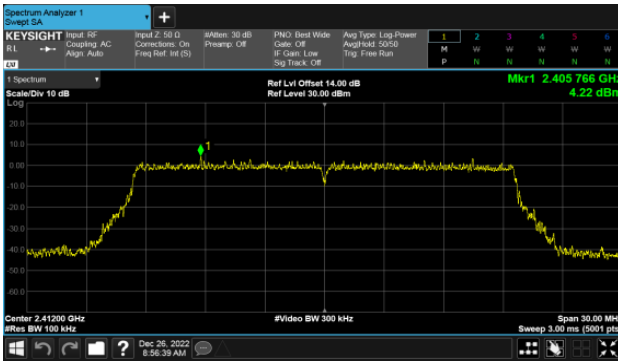
Modulation Type: 802.11ax HE40, CH09





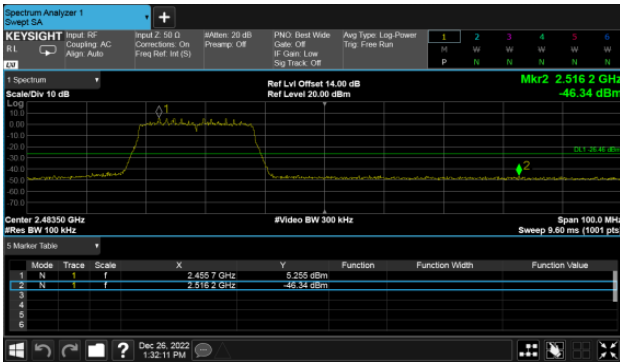
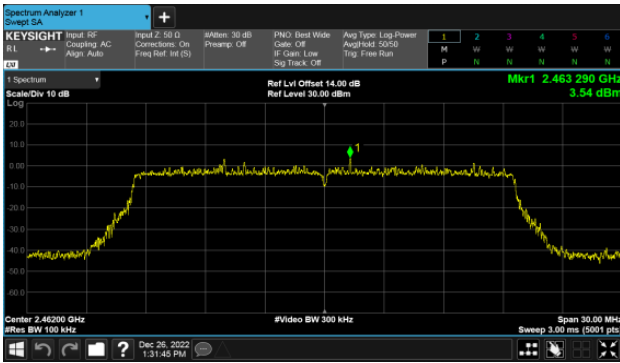
BeamForming,ANT A
Modulation Type: 802.11ax HE20, CH01

Modulation Type: 802.11ax HE20, CH06





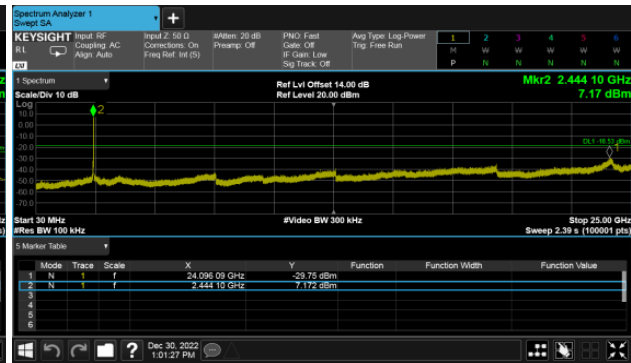
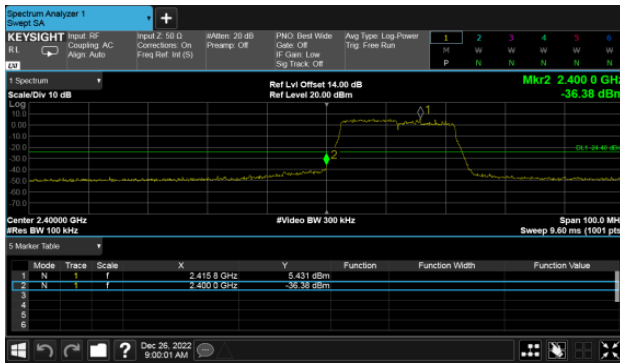
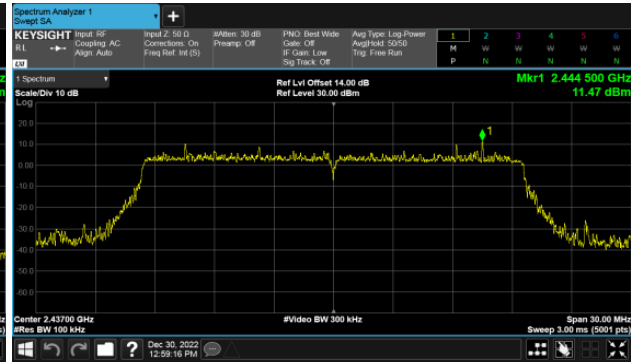
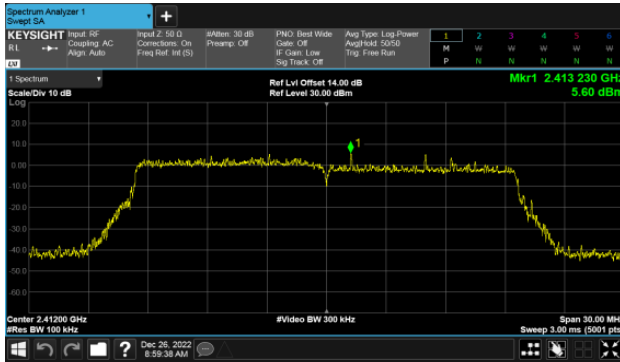
Modulation Type: 802.11ax HE20, CH11





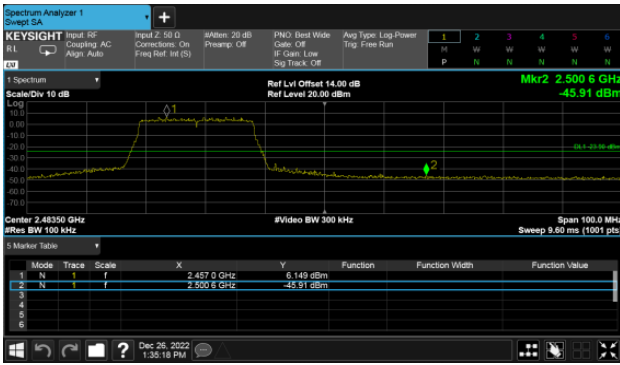
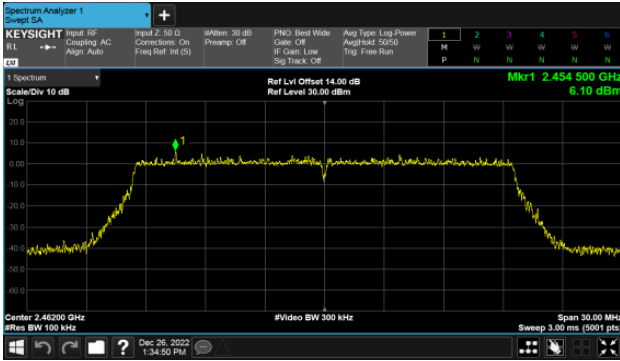
BeamForming, ANT B
Modulation Type: 802.11ax HE20, CH01

Modulation Type: 802.11ax HE20, CH06





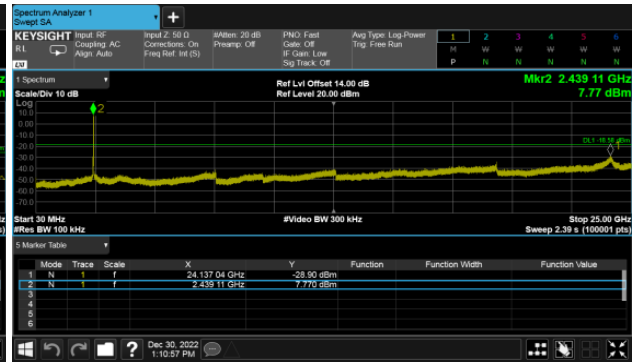
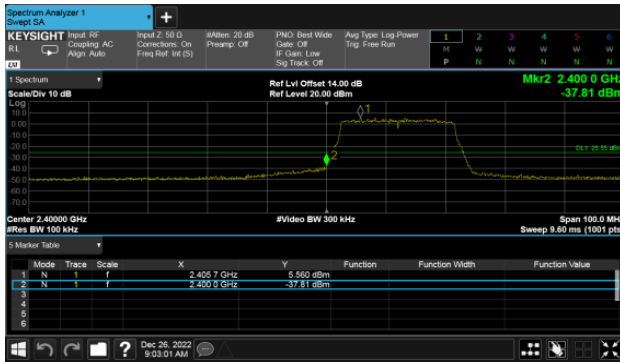
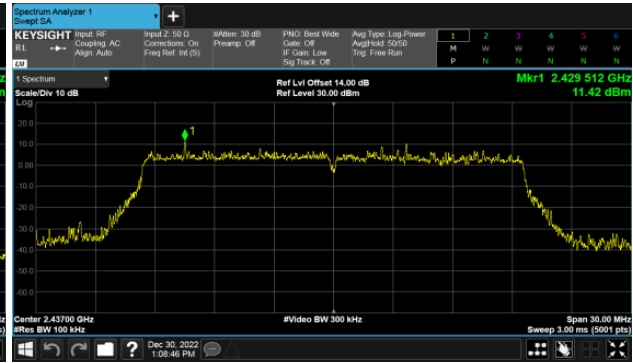
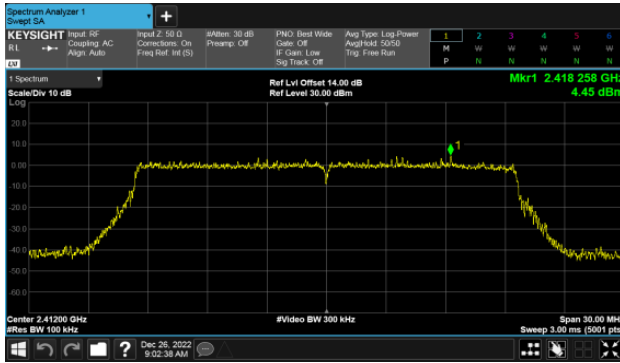
Modulation Type: 802.11ax HE20, CH11





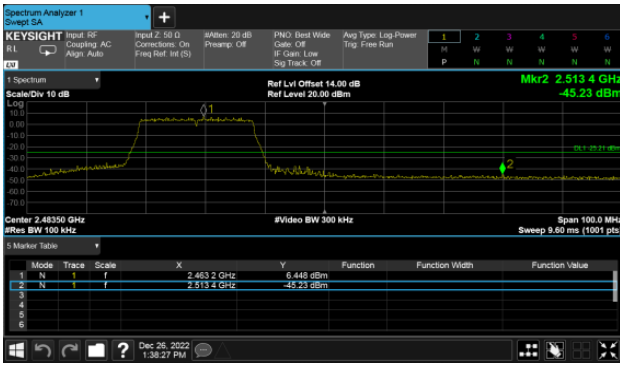
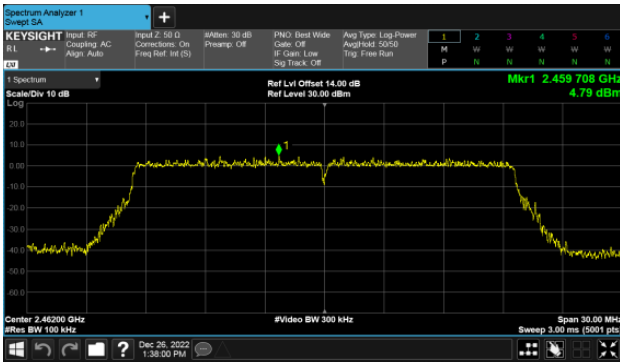
BeamForming,ANT C
Modulation Type: 802.11ax HE20, CH01

Modulation Type: 802.11ax HE20, CH06





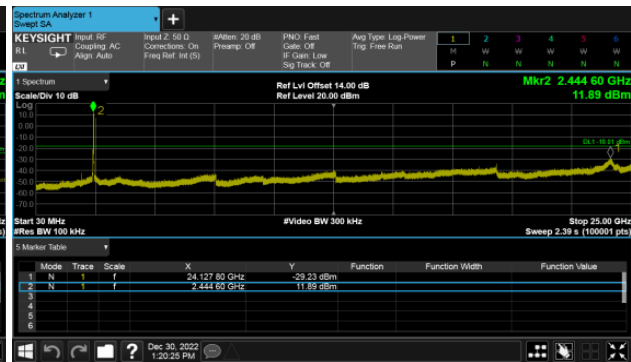
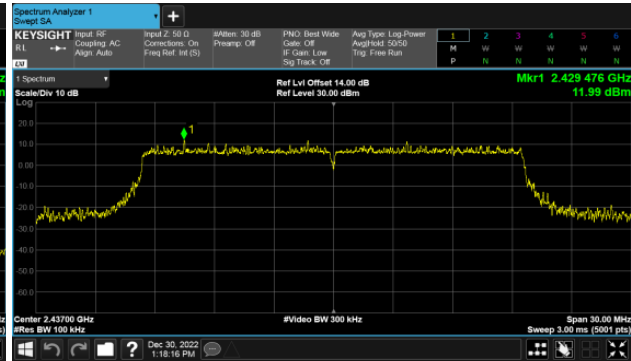
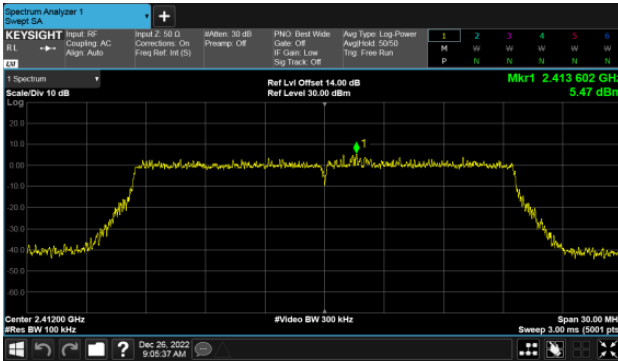
Modulation Type: 802.11ax HE20, CH11





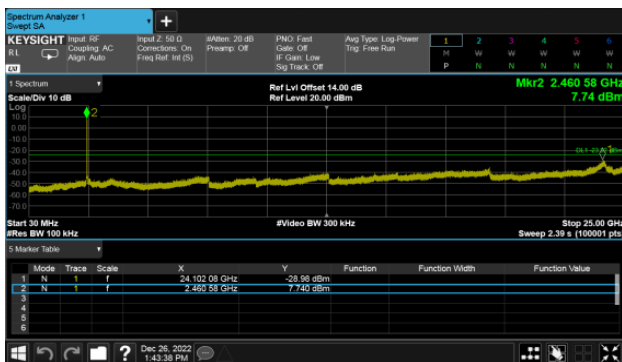
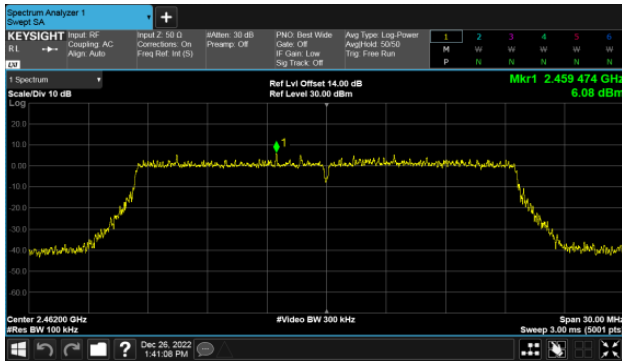
BeamForming,ANT D
Modulation Type: 802.11ax HE20, CH01

Modulation Type: 802.11ax HE20, CH06





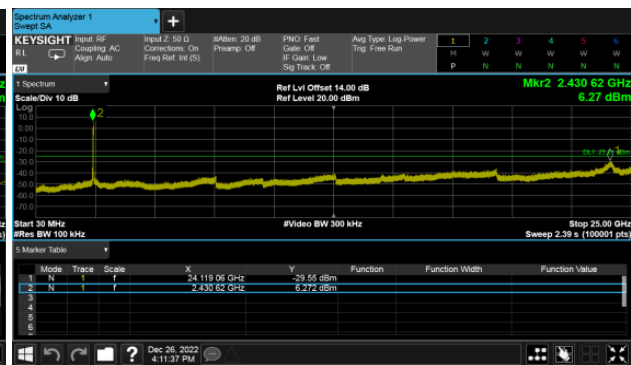
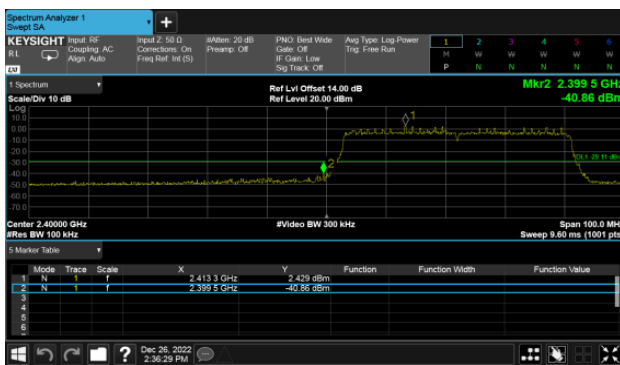
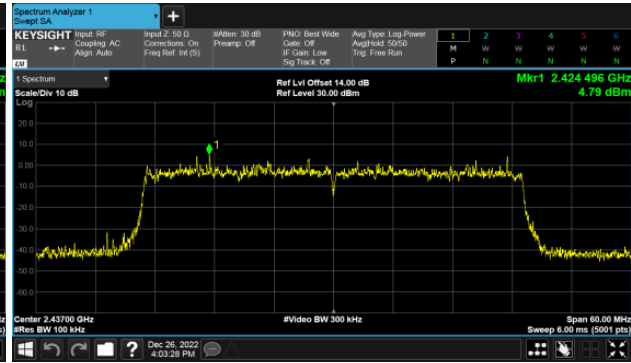
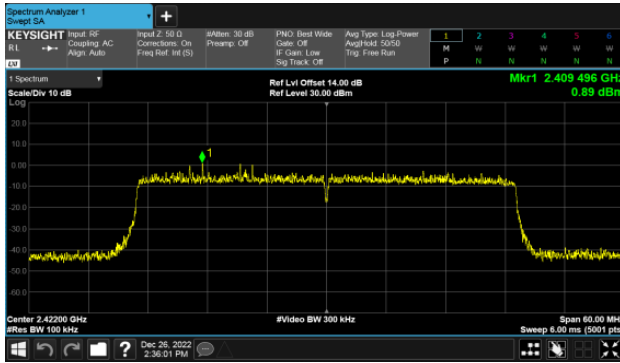
Modulation Type: 802.11ax HE20, CH11





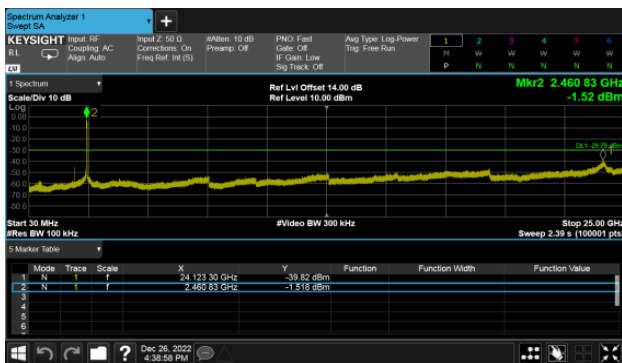
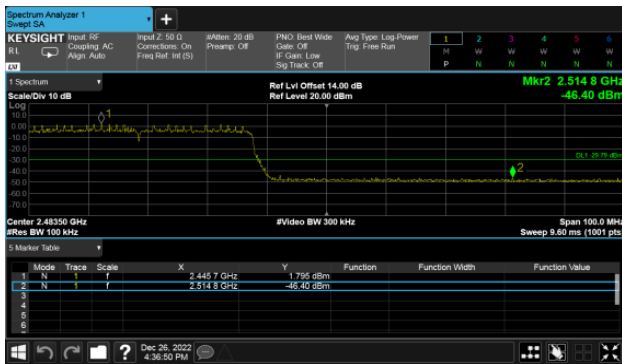
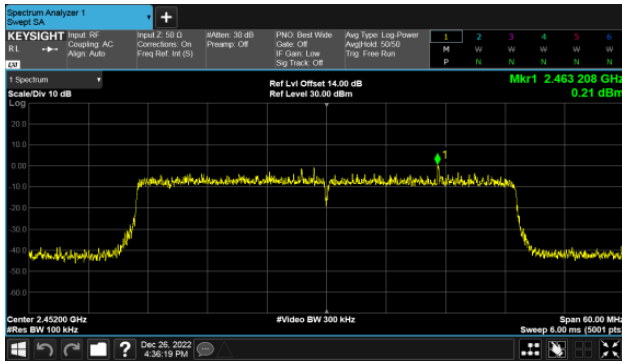
BeamForming,ANT A
Modulation Type: 802.11ax HE40, CH03

Modulation Type: 802.11ax HE40, CH06





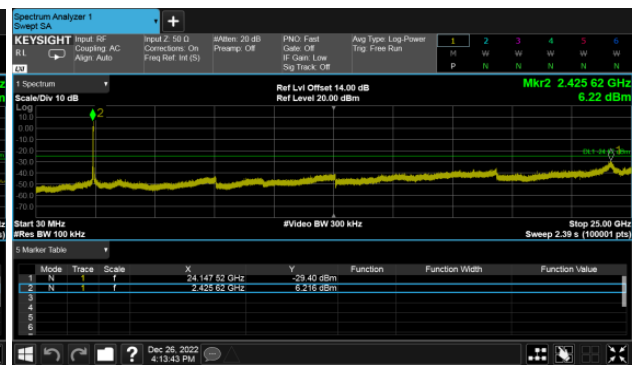
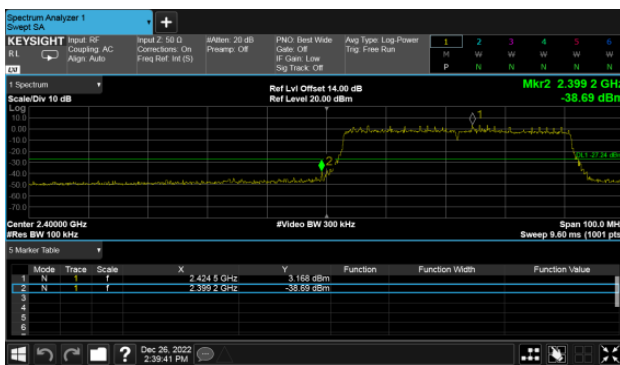
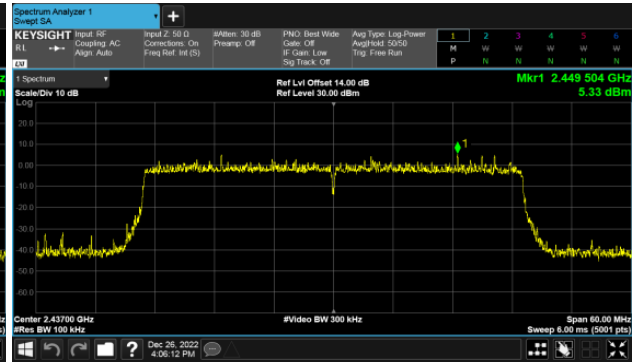
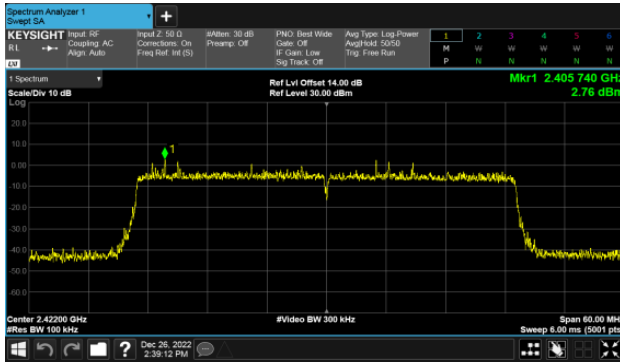
Modulation Type: 802.11ax HE40, CH09





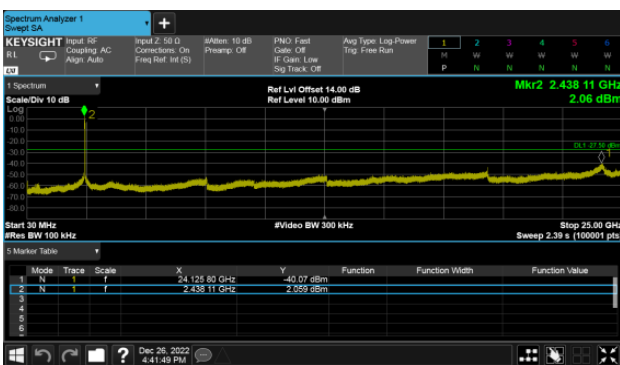
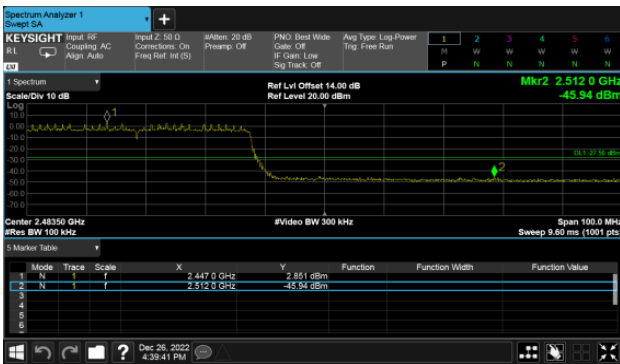
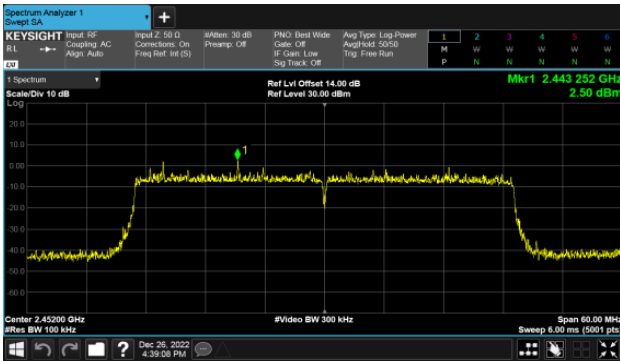
BeamForming,ANT B
Modulation Type: 802.11ax HE40, CH03

Modulation Type: 802.11ax HE40, CH06





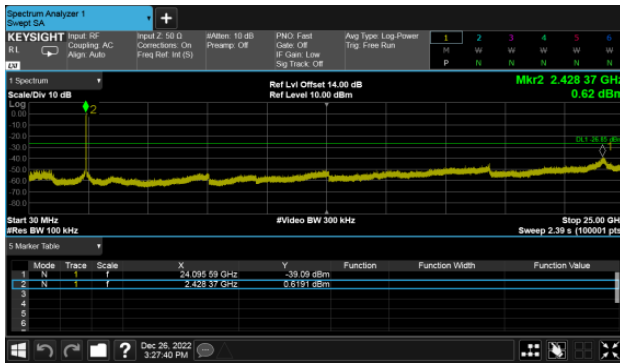
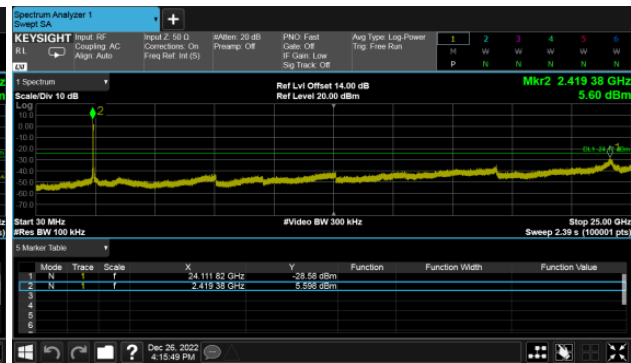
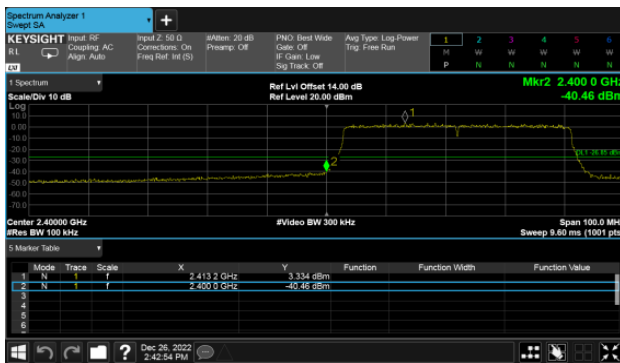
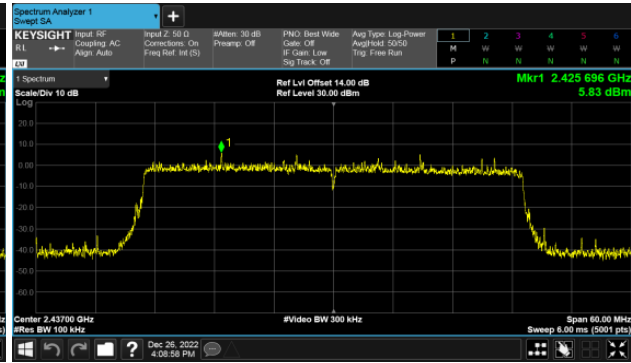
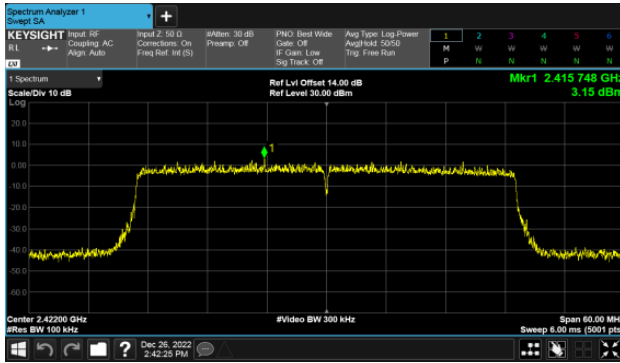
Modulation Type: 802.11ax HE40, CH09





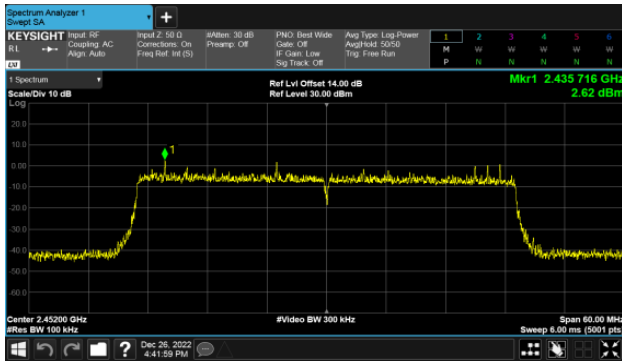
BeamForming,ANT C
Modulation Type: 802.11ax HE40, CH03

Modulation Type: 802.11ax HE40, CH06





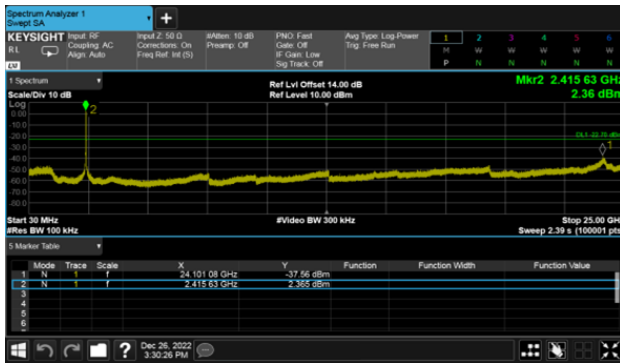
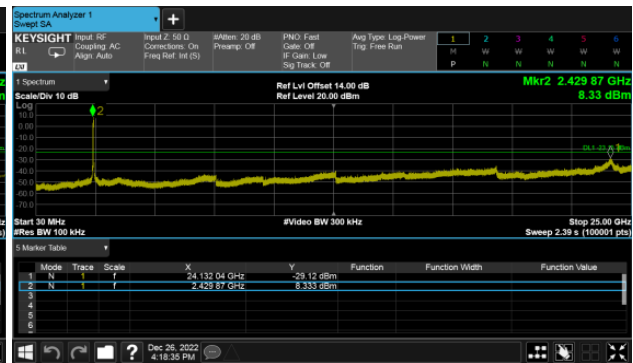
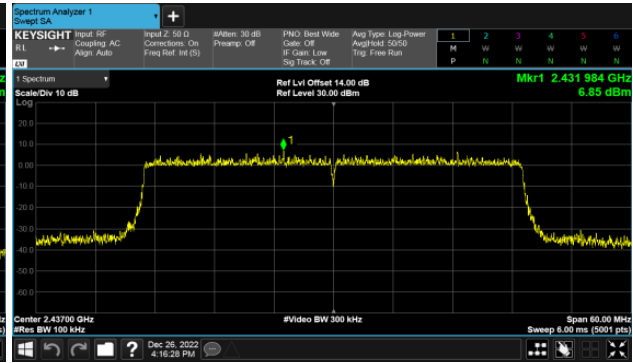
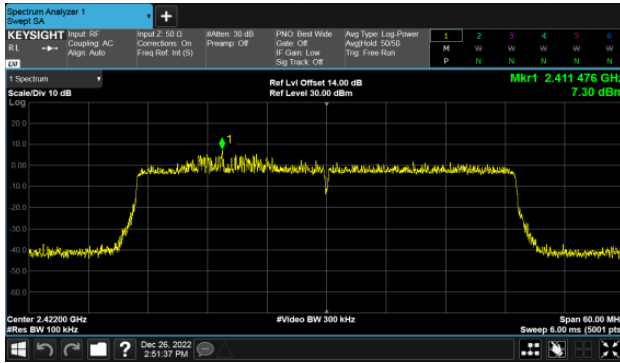
Modulation Type: 802.11ax HE40, CH09





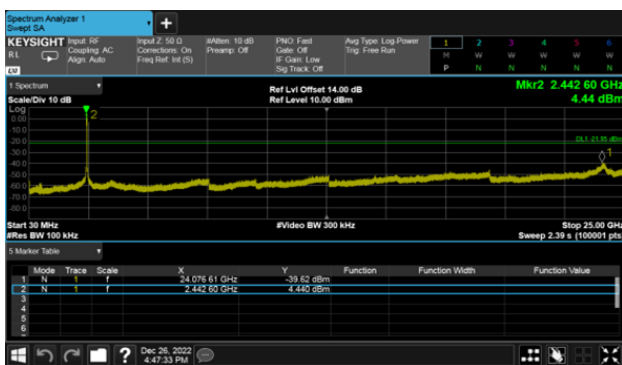
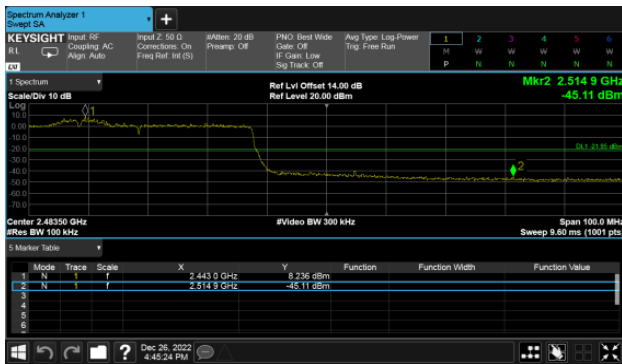
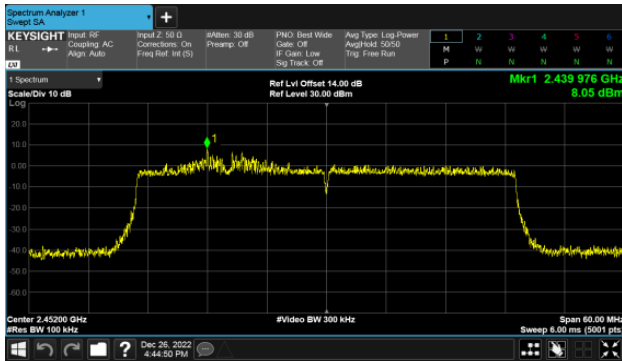
BeamForming,ANT D
Modulation Type: 802.11ax HE40, CH03

Modulation Type: 802.11ax HE40, CH06





Modulation Type: 802.11ax HE40, CH09





8. On Time, Duty Cycle and Measurement methods

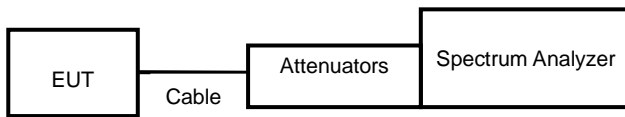
8.1 Test Limit

None; for reporting purposes only.

8.2 Test Procedure

According to the methods defined in ANSI C63.10-2013 Section 11.6
Zero-Span Spectrum Analyzer Method.

8.3 Test Setup Layout



8.4 Test Result and Data

Non BeamForming

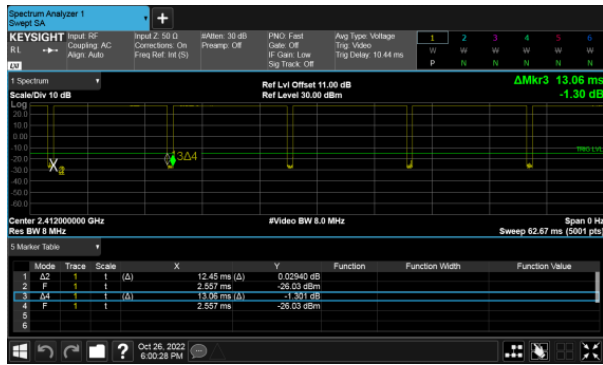
Modulation Type	On Time (msec)	Period Time (msec)	Duty Cycle (%)
11b,1M	12.45	13.06	95.33%
11g,6M	2.07	2.17	95.40%
11ax HE20	1.49	1.52	98.29%
11ax HE40	0.77	0.80	96.61%

BeamForming

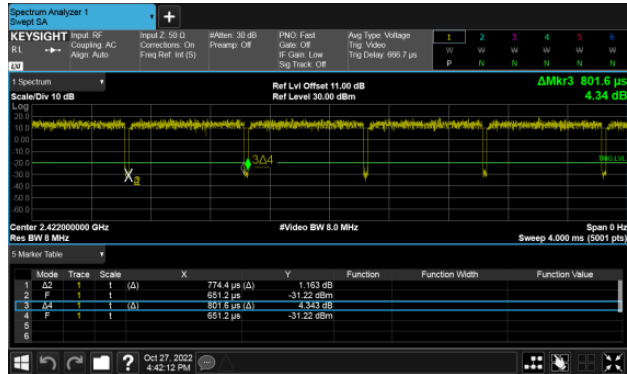
Modulation Type	On Time (msec)	Period Time (msec)	Duty Cycle (%)
11ax HE20	8.84	9.24	95.71%
11ax HE40	10.84	11.25	96.36%



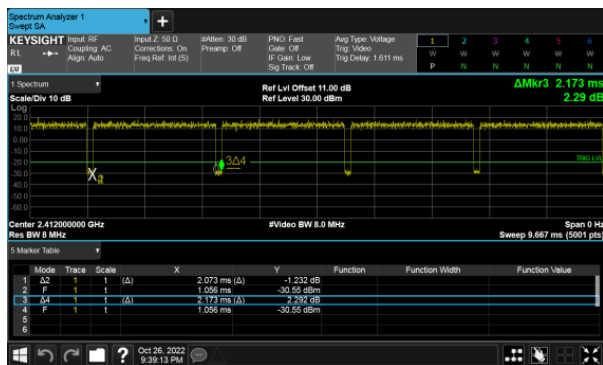
Non BeamForming
Modulation Type: 802.11b(1Mbps)



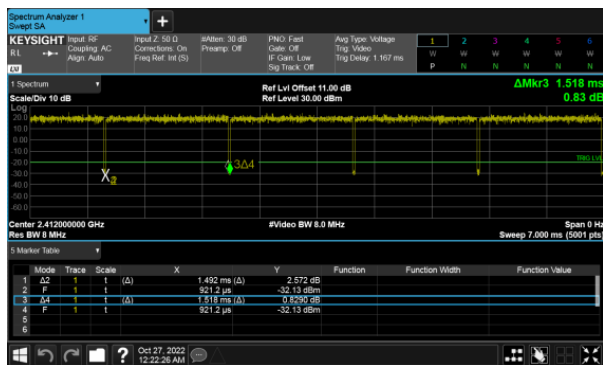
Modulation Type: 802.11ax HE40(14.6Mbps)



Modulation Type: 802.11g(6Mbps)

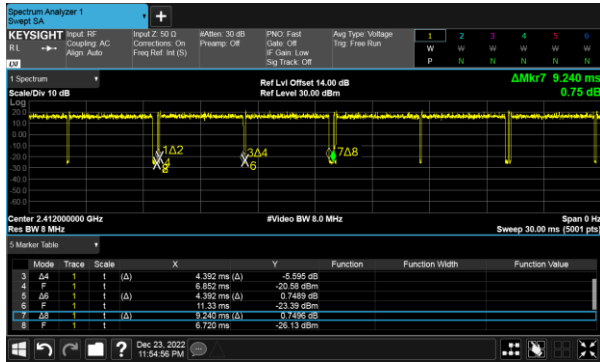
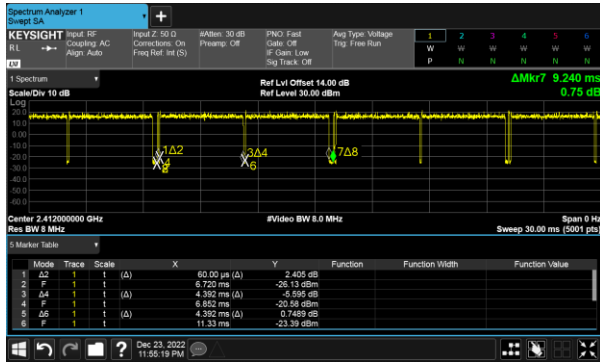


Modulation Type: 802.11ax HE20(7.3Mbps)

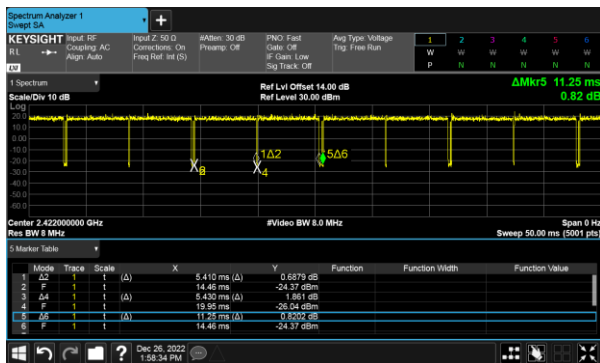




BeamForming Modulation Type: 802.11ax HE20(7.3Mbps)



Modulation Type: 802.11ax HE40(14.6Mbps)





9. 6dB Bandwidth Measurement Data

9.1 Test Limit

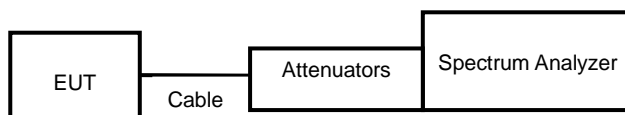
The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

9.2 Test Procedures

According to the methods defined in ANSI C63.10-2013 Section 11.8

- a. The transmitter output was connected to the spectrum analyzer.
- b. Set RBW of spectrum analyzer to 100 KHz and VBW to 300 KHz.
- c. The 6 dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6 dB.
- d. The 6dB Bandwidth was measured and recorded.

9.3 Test Setup Layout





9.4 Test Result and Data

Non BeamForming

Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Limit (MHz)
			ANT A	ANT B	ANT C	ANT D	
11b	1	2412	7.08	7.11	7.10	7.10	0.5
	6	2437	7.10	7.11	7.11	7.10	0.5
	11	2462	7.09	7.10	7.11	7.09	0.5
11g	1	2412	16.44	16.42	16.38	16.41	0.5
	6	2437	16.41	16.44	16.39	16.42	0.5
	11	2462	16.42	16.43	16.37	16.40	0.5
11ax HE20	1	2412	19.02	19.04	19.00	19.04	0.5
	6	2437	19.02	19.04	18.98	19.05	0.5
	11	2462	19.01	19.06	19.00	19.06	0.5
11ax HE40	3	2422	37.64	37.74	37.74	37.93	0.5
	6	2437	37.79	37.83	37.90	37.81	0.5
	9	2452	37.82	37.77	37.74	38.01	0.5

BeamForming

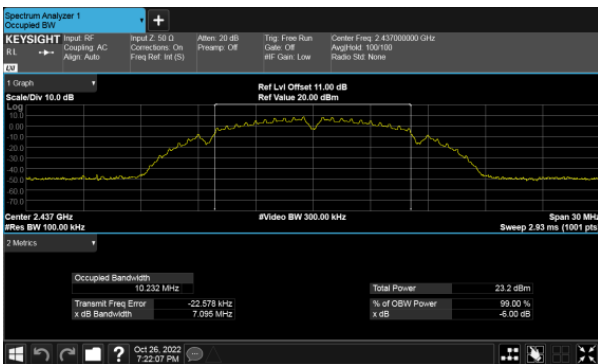
Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth (MHz)				Limit (MHz)
			ANT A	ANT B	ANT C	ANT D	
11ax HE20	1	2412	19.11	18.78	18.95	16.52	0.5
	6	2437	17.80	19.07	19.01	16.12	0.5
	11	2462	17.74	19.02	19.07	16.43	0.5
11ax HE40	3	2422	36.88	36.94	37.96	33.77	0.5
	6	2437	36.95	36.95	36.35	27.78	0.5
	9	2452	36.94	35.97	35.96	35.08	0.5



6dB Bandwidth
Non BeamForming
ANT A
Modulation Type: 802.11b
CH01



CH06



CH11





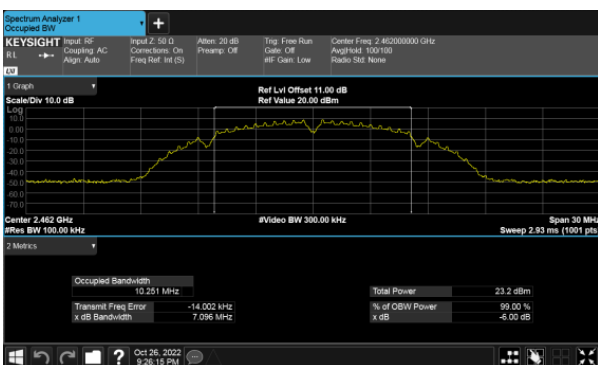
Non BeamForming
ANT B
Modulation Type: 802.11b
CH01



CH06

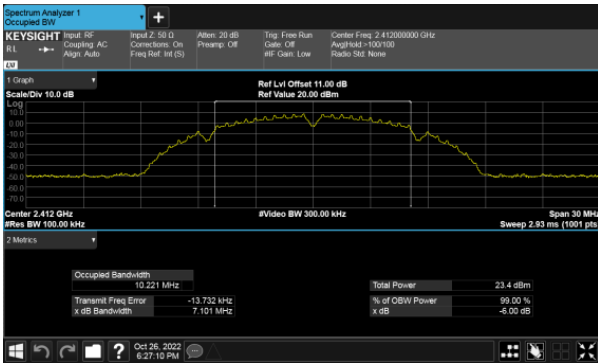


CH11

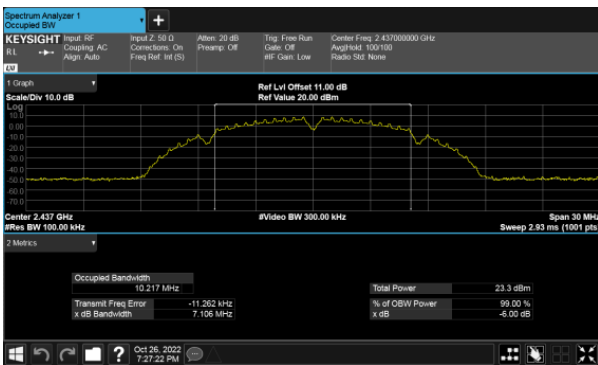




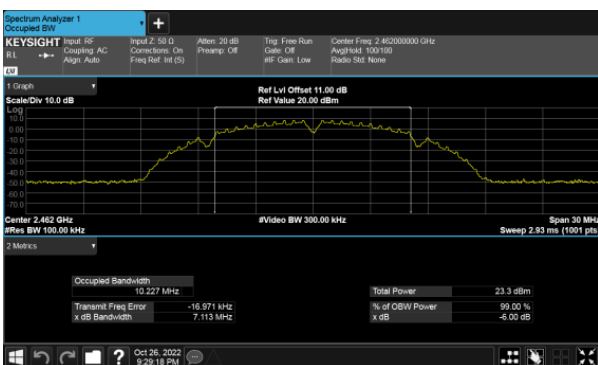
Non BeamForming
ANT C
Modulation Type: 802.11b
CH01



CH06



CH11

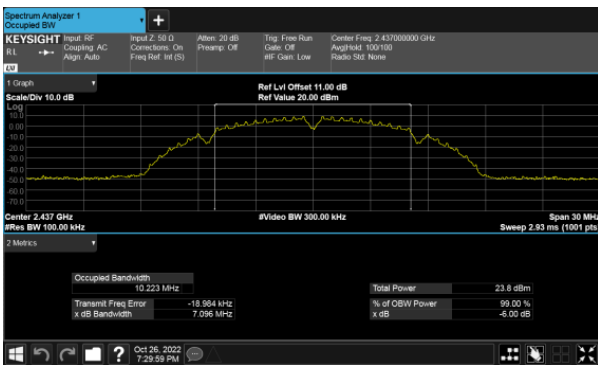




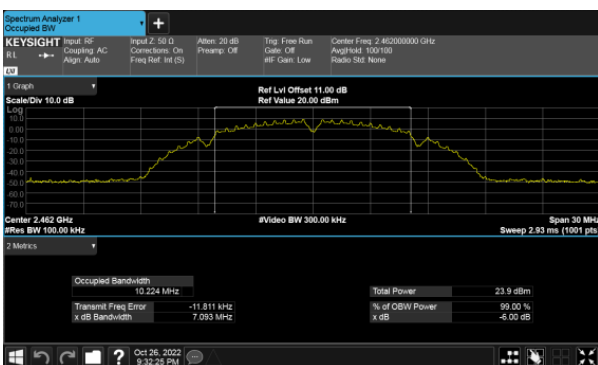
Non BeamForming
ANT D
Modulation Type: 802.11b
CH01



CH06

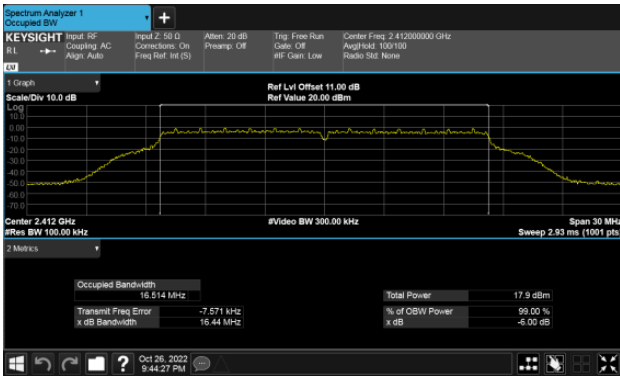


CH11

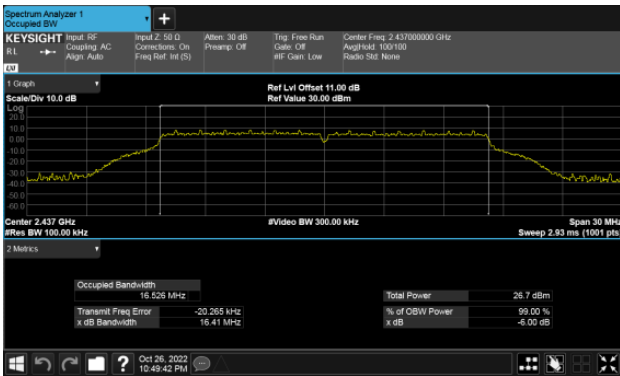




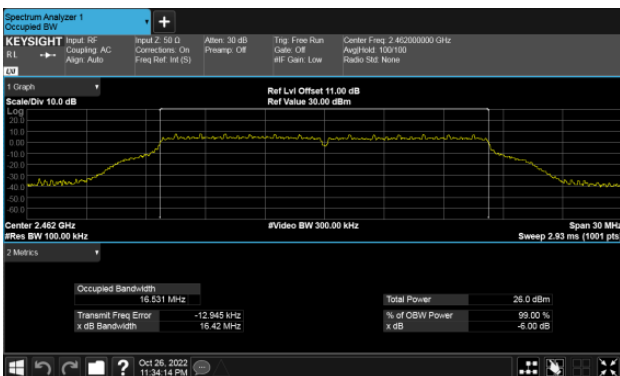
Non BeamForming
ANT A
Modulation Type: 802.11g
CH01



CH06

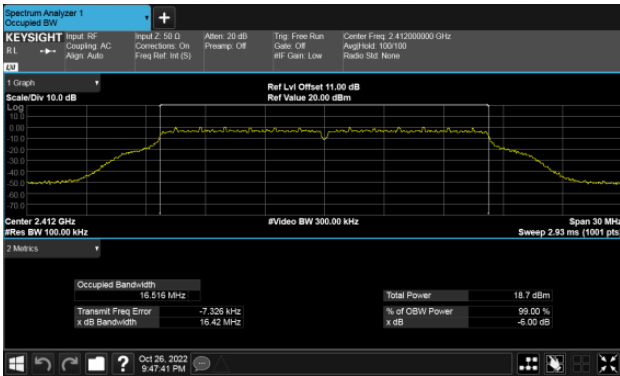


CH11

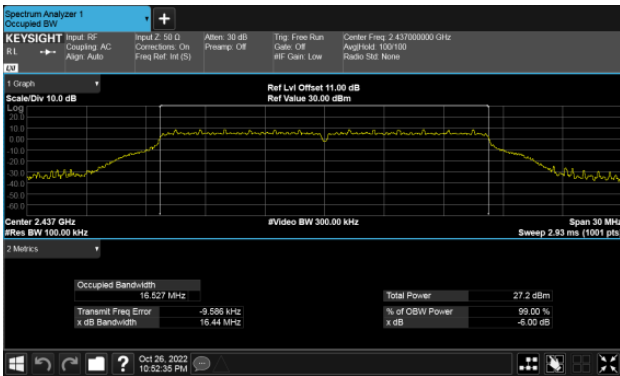




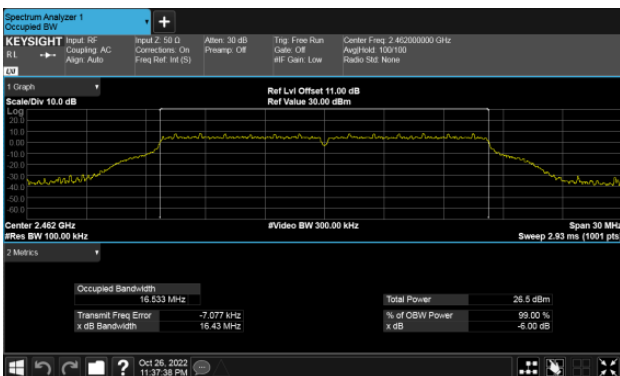
Non BeamForming
ANT B
Modulation Type: 802.11g
CH01



CH06

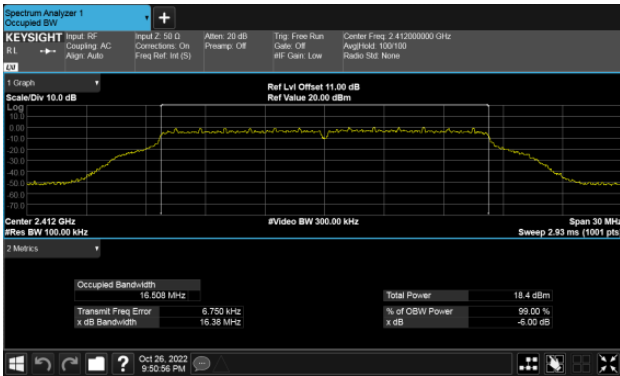


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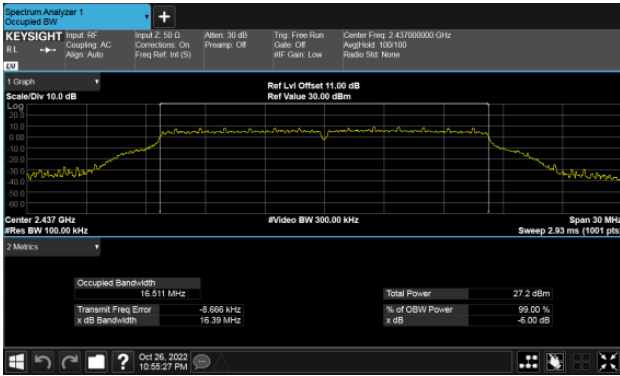




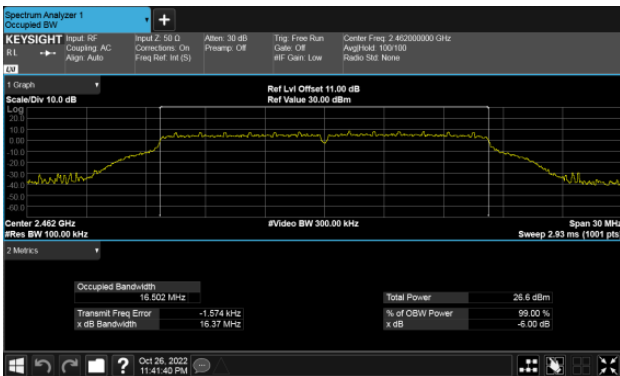
Non BeamForming
ANT C
Modulation Type: 802.11g
CH01



CH06

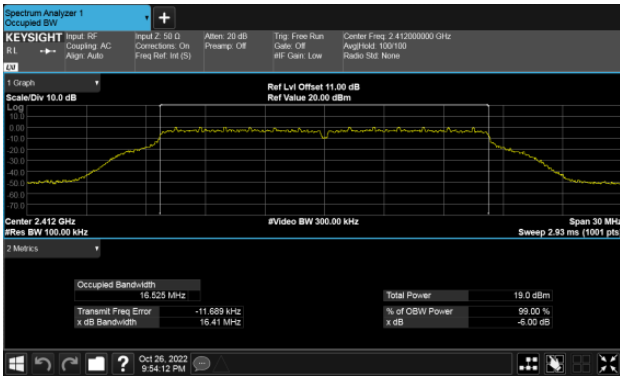


CH11

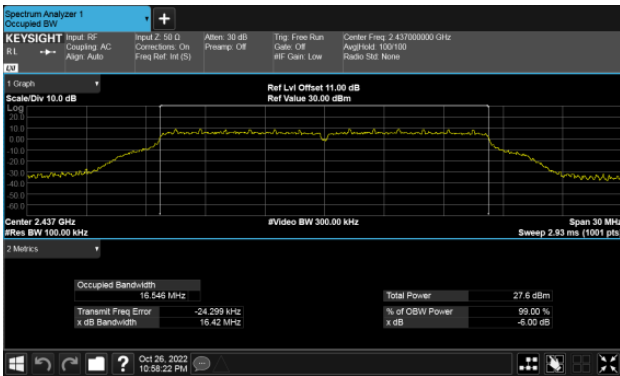




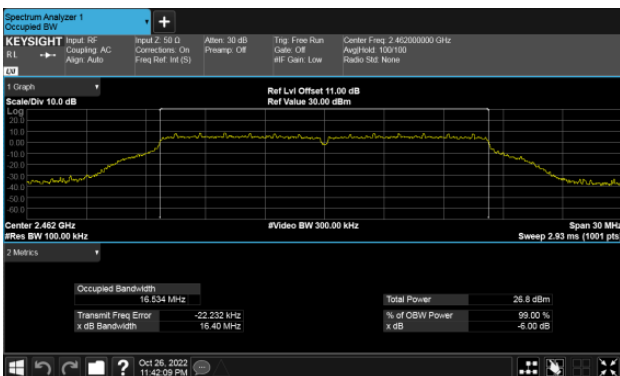
Non BeamForming
ANT D
Modulation Type: 802.11g
CH01



CH06

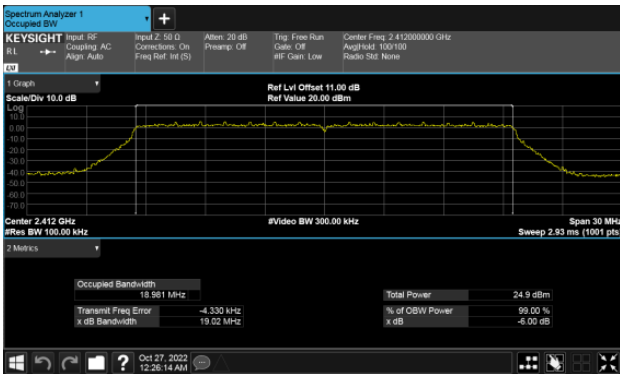


CH11

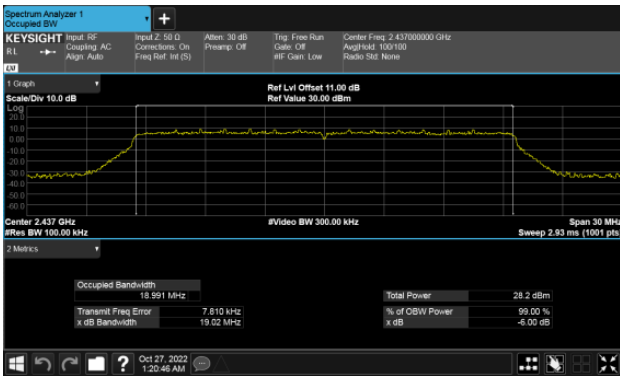




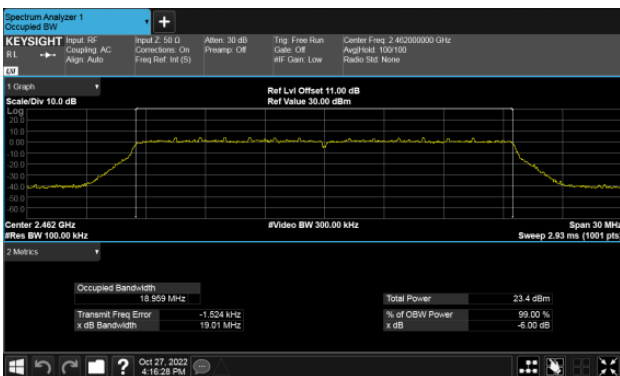
Non BeamForming
ANT A
Modulation Type: 802.11ax HE20
CH01



CH06

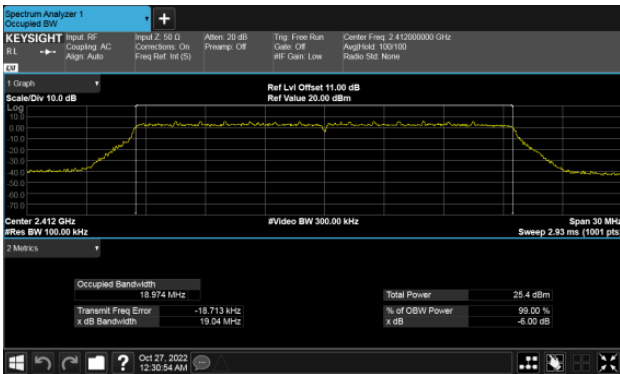


CH11

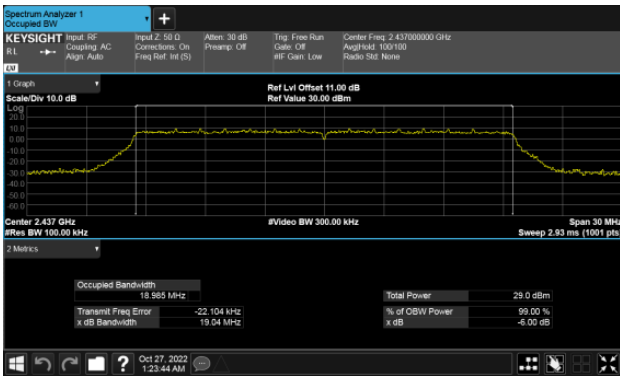




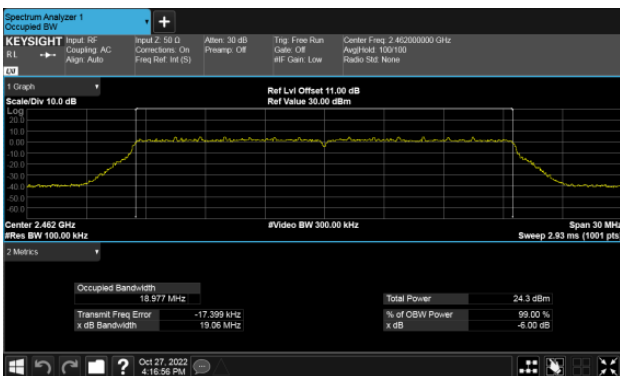
Non BeamForming
ANT B
Modulation Type: 802.11ax HE20
CH01



CH06

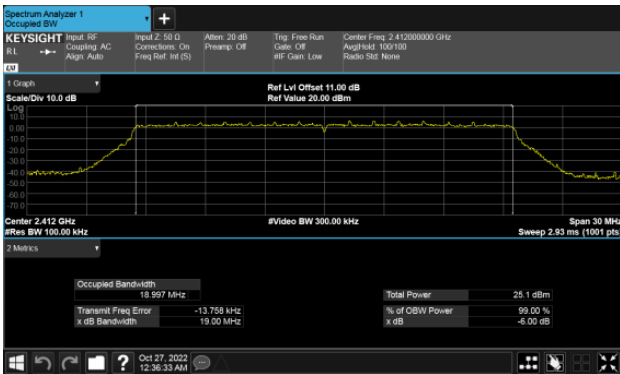


CH11

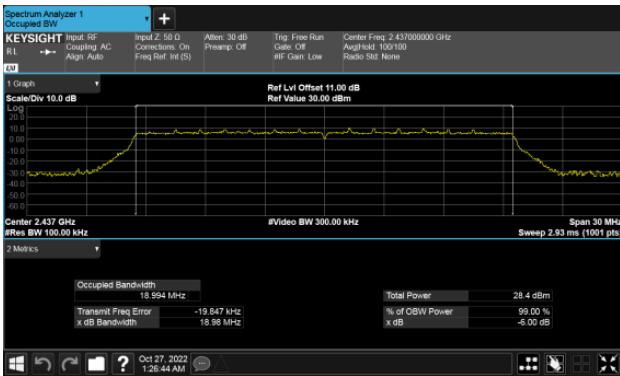




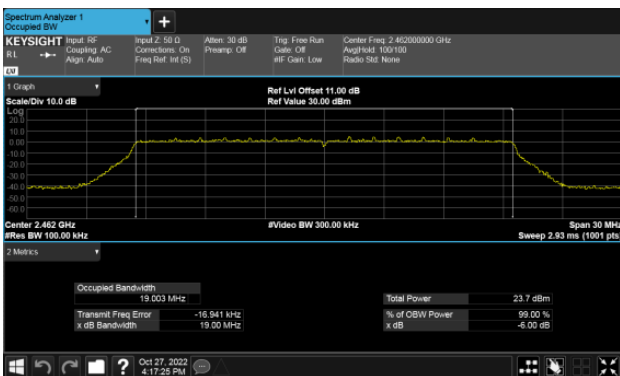
Non BeamForming
ANT C
Modulation Type: 802.11ax HE20
CH01



CH06

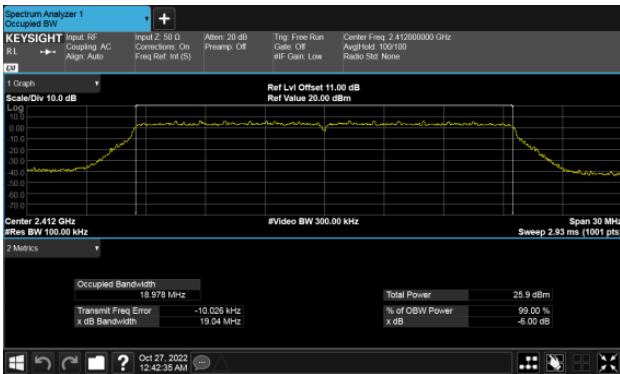


CH11

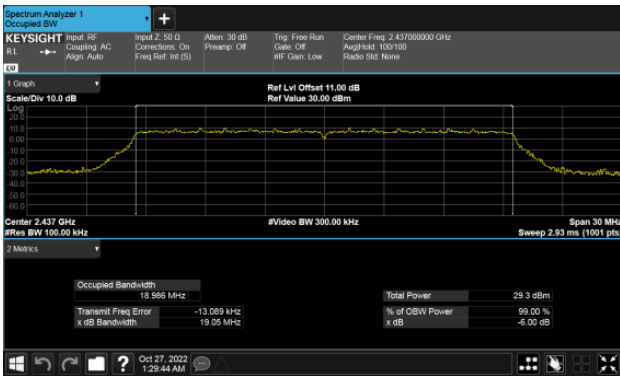




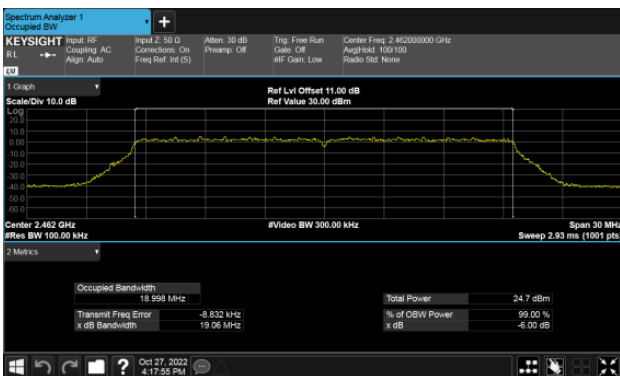
Non BeamForming
ANT D
Modulation Type: 802.11ax HE20
CH01



CH06

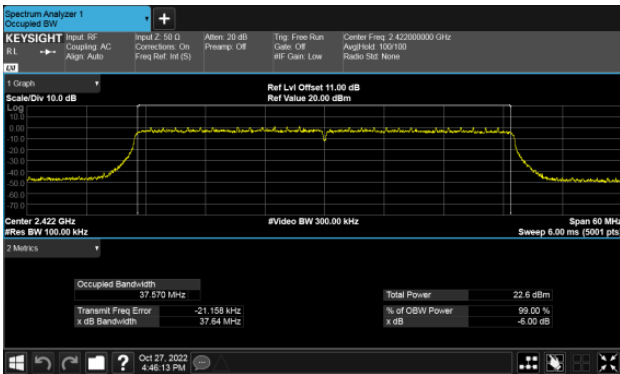


CH11

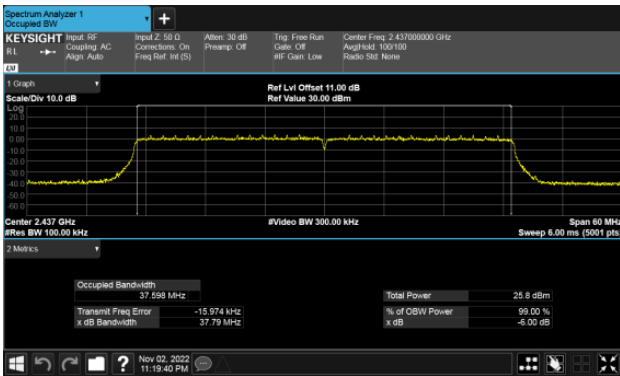




Non BeamForming
ANT A
Modulation Type: 802.11ax HE40
CH03



CH06



CH09

