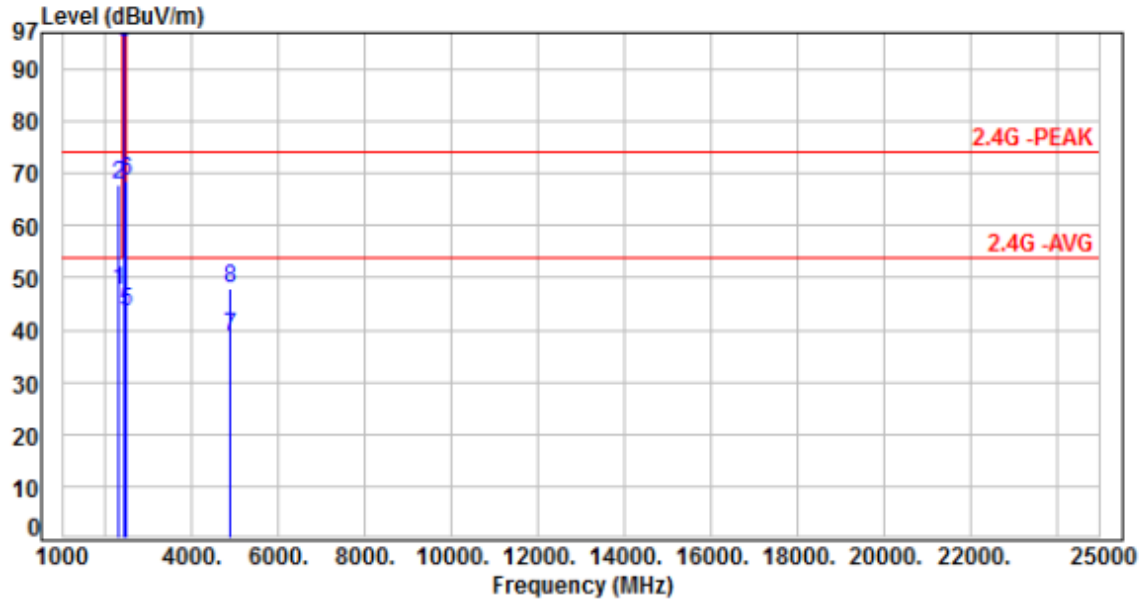




Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 6, CH06		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2310.00	-2.67	50.17	47.50	54.00	-6.50	Average	100	107	P
2	2310.00	-2.67	70.66	67.99	74.00	-6.01	Peak	100	107	P
3	2437.00	-2.70	97.72	95.02	200.00	-104.98	Average	100	107	P
4	2437.00	-2.70	108.65	105.95	200.00	-94.05	Peak	100	107	P
5	2483.50	-2.35	46.00	43.65	54.00	-10.35	Average	100	107	P
6	2483.50	-2.35	70.78	68.43	74.00	-5.57	Peak	100	107	P
7	4874.00	5.48	33.13	38.61	54.00	-15.39	Average	100	210	P
8	4874.00	5.48	42.47	47.95	74.00	-26.05	Peak	100	210	P

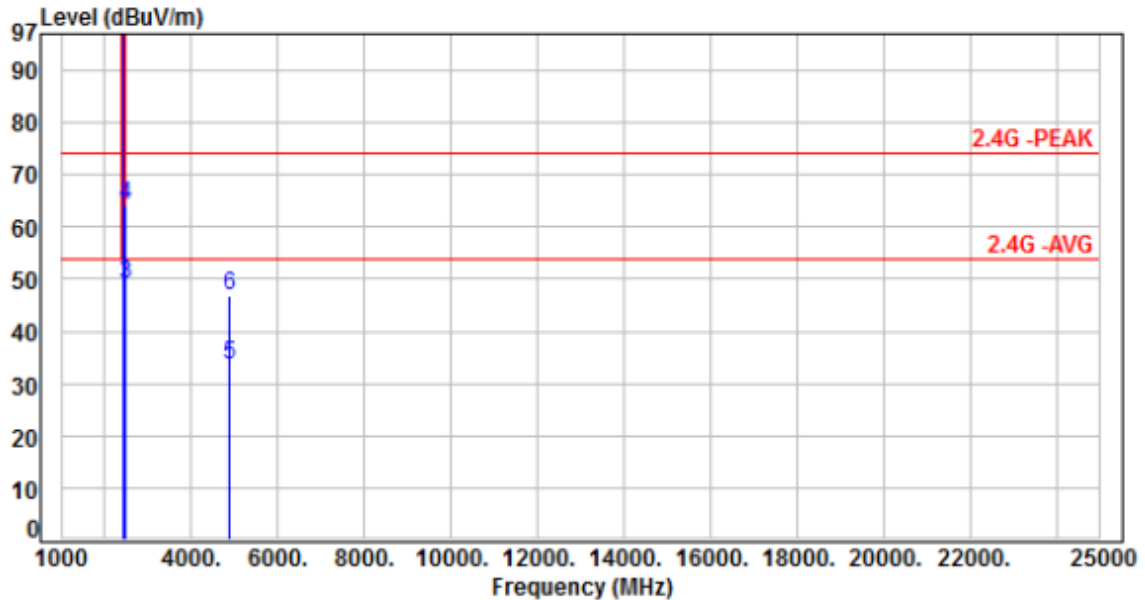
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 6, CH08		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2447.00	-2.51	106.47	103.96	200.00	-96.04	Average	118	317	P
2	2447.00	-2.51	119.65	117.14	200.00	-82.86	Peak	118	317	P
3	2483.50	-2.35	51.23	48.88	54.00	-5.12	Average	118	317	P
4	2483.50	-2.35	66.69	64.34	74.00	-9.66	Peak	118	317	P
5	4894.00	5.55	27.86	33.41	54.00	-20.59	Average	400	109	P
6	4894.00	5.55	41.47	47.02	74.00	-26.98	Peak	400	109	P

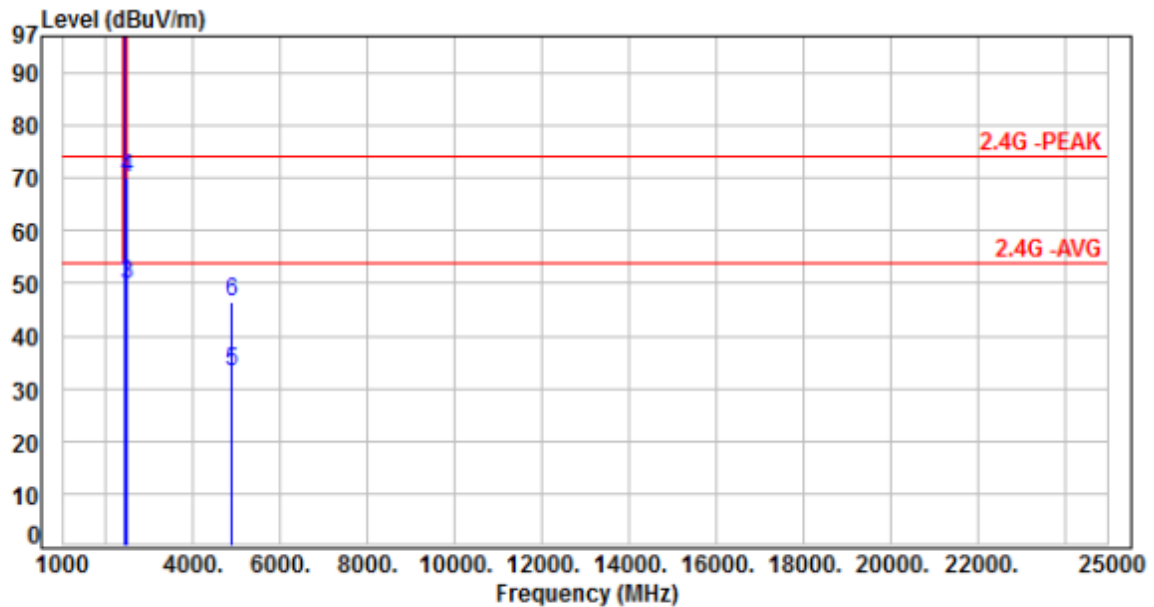
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 6, CH08		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2447.00	-2.51	105.52	103.01	200.00	-96.99	Average	160	71	P
2	2447.00	-2.51	117.80	115.29	200.00	-84.71	Peak	160	71	P
3	2483.50	-2.35	52.05	49.70	54.00	-4.30	Average	160	71	P
4	2483.50	-2.35	72.26	69.91	74.00	-4.09	Peak	160	71	P
5	4894.00	5.55	27.53	33.08	54.00	-20.92	Average	100	203	P
6	4894.00	5.55	40.87	46.42	74.00	-27.58	Peak	100	203	P

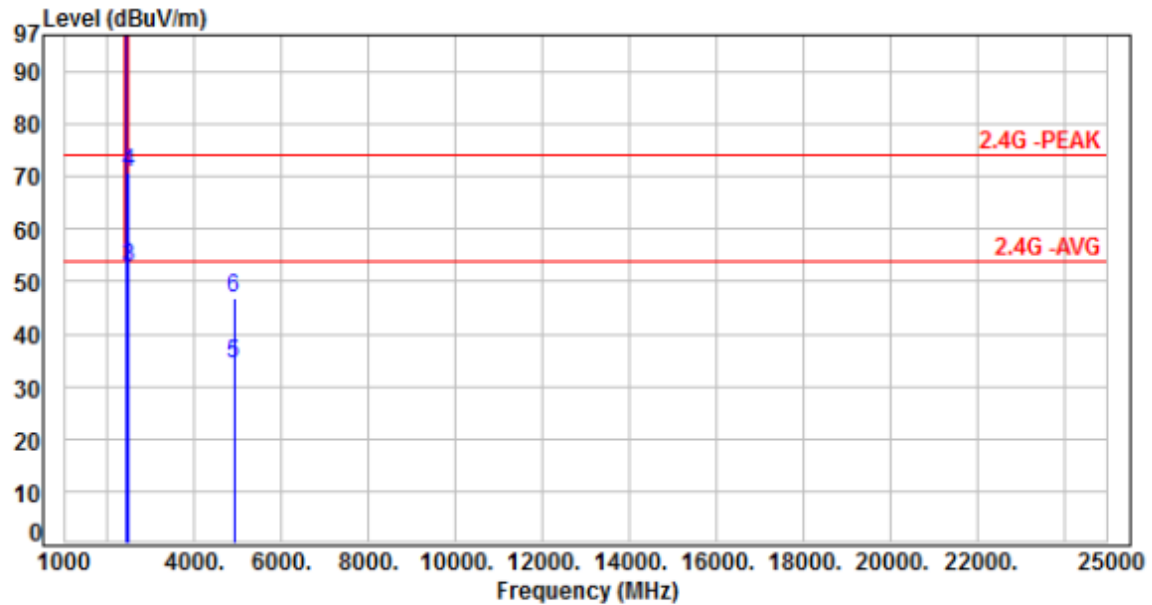
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 120V / 60Hz	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 6, CH09		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2452.00	-2.45	103.78	101.33	200.00	-98.67	Average	100	66	P
2	2452.00	-2.45	116.24	113.79	200.00	-86.21	Peak	100	66	P
3	2483.50	-2.35	54.95	52.60	54.00	-1.40	Average	100	66	P
4	2483.50	-2.35	73.02	70.67	74.00	-3.33	Peak	100	66	P
5	4904.00	5.57	28.69	34.26	54.00	-19.74	Average	100	95	P
6	4904.00	5.57	41.44	47.01	74.00	-26.99	Peak	100	95	P

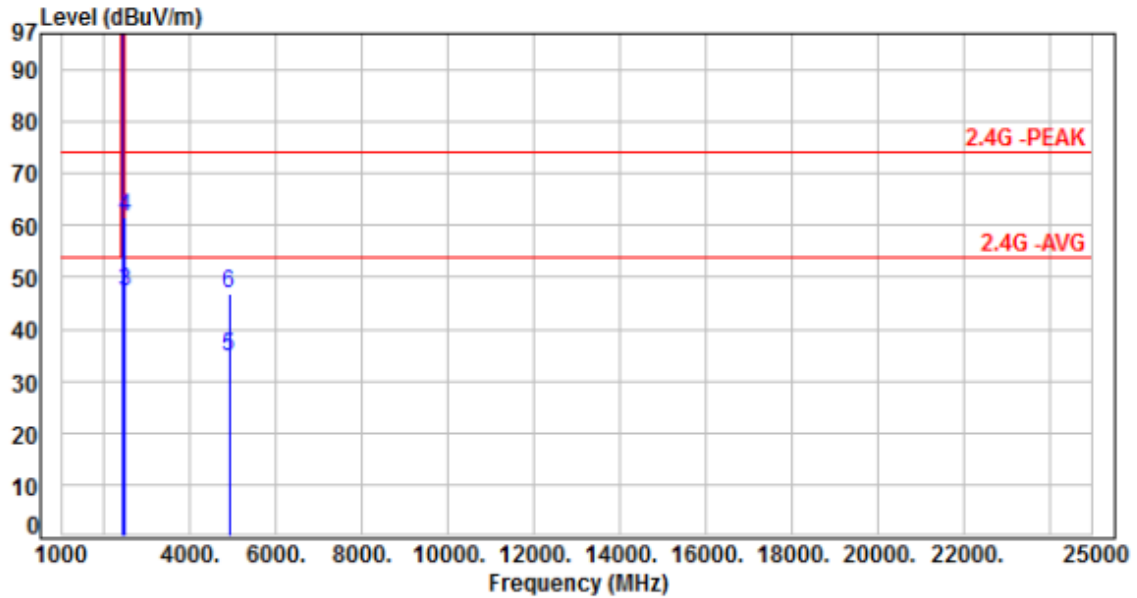
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 6, CH09		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2452.00	-2.45	104.58	102.13	200.00	-97.87	Average	160	261	P
2	2452.00	-2.45	112.73	110.28	200.00	-89.72	Peak	160	261	P
3	2483.50	-2.35	49.63	47.28	54.00	-6.72	Average	160	261	P
4	2483.50	-2.35	63.84	61.49	74.00	-12.51	Peak	160	261	P
5	4904.00	5.57	29.15	34.72	54.00	-19.28	Average	100	195	P
6	4904.00	5.57	41.43	47.00	74.00	-27.00	Peak	100	195	P

Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



6.7 Restricted Bands of Operation

Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.09000 – 0.11000	16.42000 – 16.42300	399.9 – 410.0	4.500 – 5.250
0.49500 – 0.505**	16.69475 – 16.69525	608.0 – 614.0	5.350 – 5.460
2.17350 – 2.19050	16.80425 – 16.80475	960.0 – 1240.0	7.250 – 7.750
4.12500 – 4.12800	25.50000 – 25.67000	1300.0 – 1427.0	8.025 – 8.500
4.17725 – 4.17775	37.50000 – 38.25000	1435.0 – 1626.5	9.000 – 9.200
4.20725 – 4.20775	73.00000 – 74.60000	1645.5 – 1646.5	9.300 – 9.500
6.21500 – 6.21800	74.80000 – 75.20000	1660.0 – 1710.0	10.600 – 12.700
6.26775 – 6.26825	108.00000 – 121.94000	1718.8 – 1722.2	13.250 – 13.400
6.31175 – 6.31225	123.00000 – 138.00000	2200.0 – 2300.0	14.470 – 14.500
8.29100 – 8.29400	149.90000 – 150.05000	2310.0 – 2390.0	15.350 – 16.200
8.36200 – 8.36600	156.52475 – 156.52525	2483.5 – 2500.0	17.700 – 21.400
8.37625 – 8.38675	156.70000 – 156.90000	2655.0 – 2900.0	22.010 – 23.120
8.41425 – 8.41475	162.01250 – 167.17000	3260.0 – 3267.0	23.600 – 24.000
12.29000 – 12.29300	167.72000 – 173.20000	3332.0 – 3339.0	31.200 – 31.800
12.51975 – 12.52025	240.00000 – 285.00000	3345.8 – 3358.0	36.430 – 36.500
12.57675 – 12.57725	322.00000 – 335.40000	3600.0 – 4400.0	Above 38.6
13.36000 – 13.41000			

** : Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz



7. Test of Conducted Spurious Emission

7.1 Test Limit

According to the methods defined in ANSI C63.10-2013 Section 11.11.1

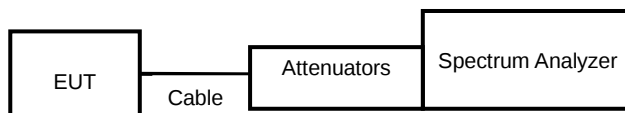
Below -30dB of the highest emission level of operating band (In 100 kHz Resolution Bandwidth)

7.2 Test Procedure

According to the methods defined in ANSI C63.10-2013 Section 11.11.2 & 11.11.3

- The transmitter output was connected to the spectrum analyzer via a low loss cable.
- Set RBW of spectrum analyzer to 100 KHz and VBW of spectrum analyzer to 300 KHz with convenient frequency span including 100 KHz bandwidth from band edge.
- Peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 30dB relative to the maximum measured in-band peak PSD level.
- The band edges was measured and recorded.

7.3 Test Setup Layout



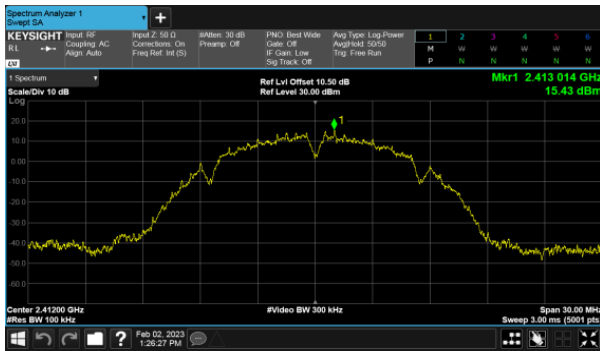
7.4 Test Result and Data

Note: Test plots refers to the following pages.

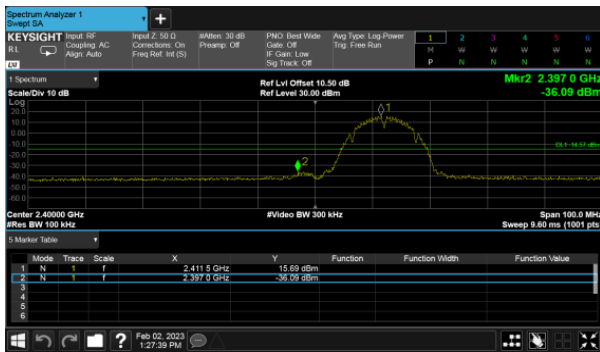
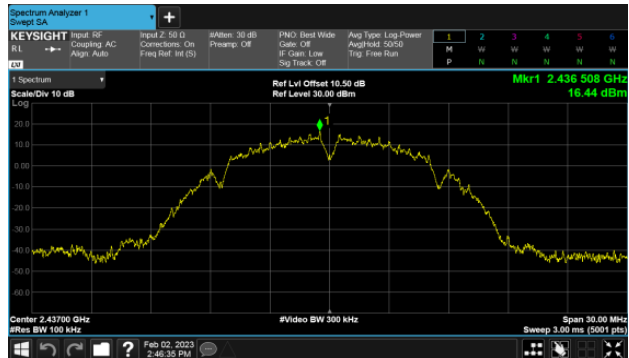


Non BeamForming,ANT A

Modulation Type: 802.11b, CH 01

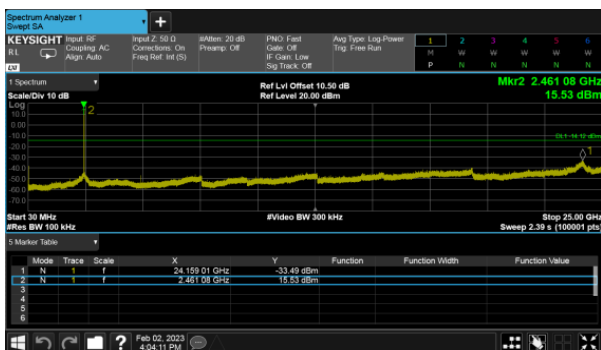
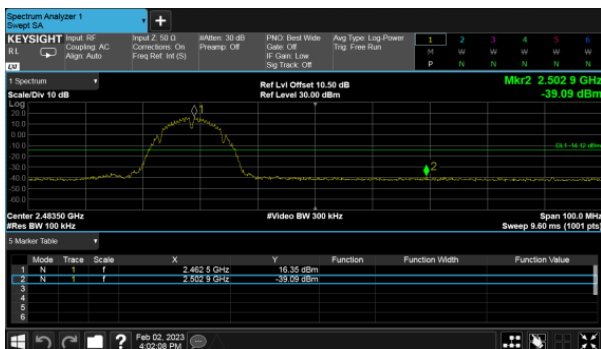
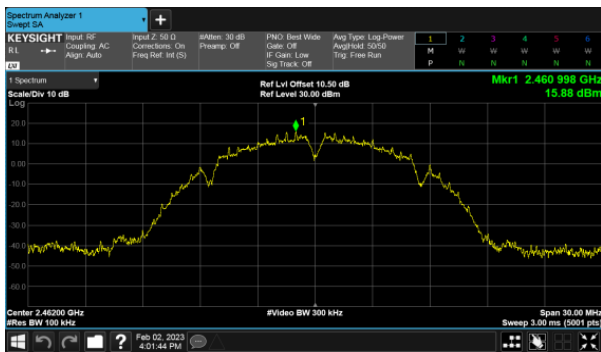


Modulation Type: 802.11b, CH 06





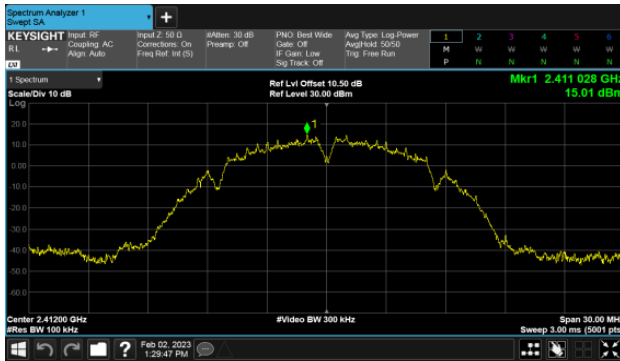
Modulation Type: 802.11b, CH 11



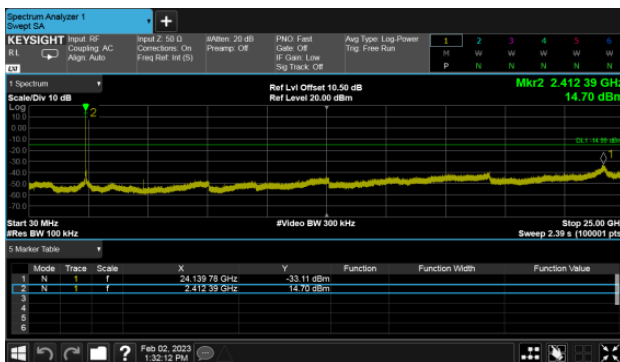
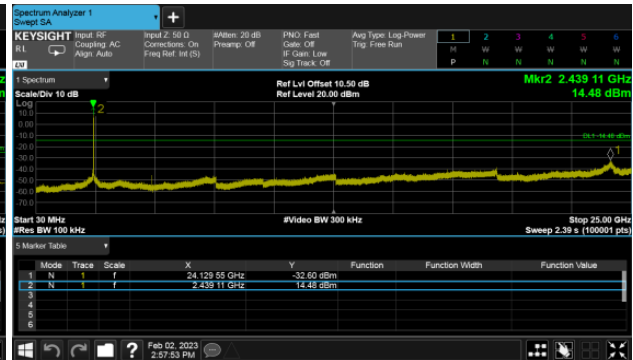
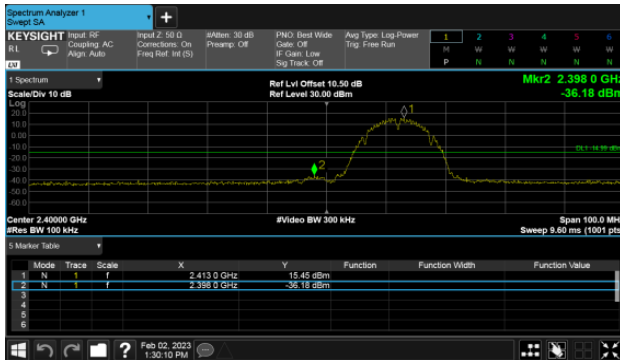
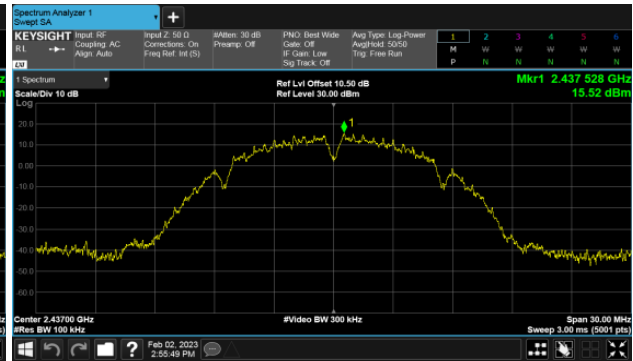


Non BeamForming,ANT B

Modulation Type: 802.11b, CH 01

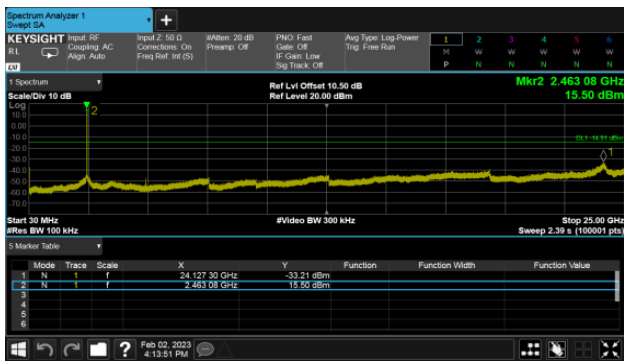
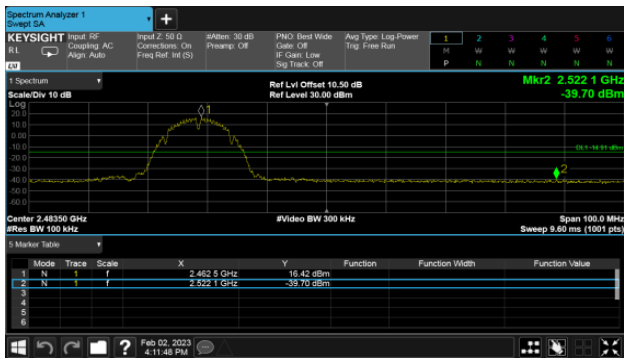
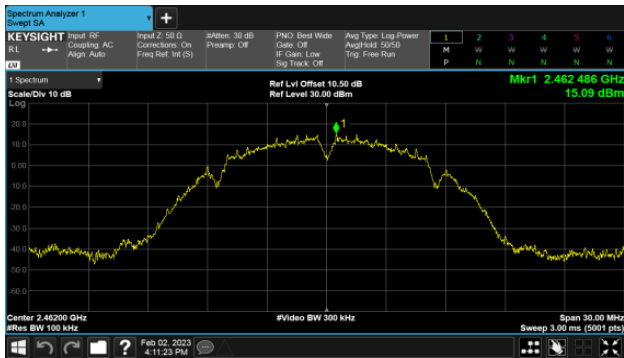


Modulation Type: 802.11b, CH 06





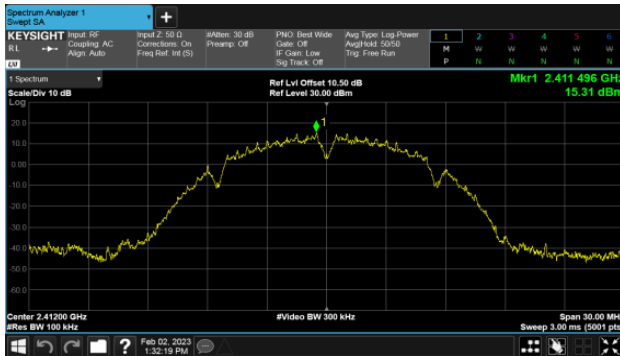
Modulation Type: 802.11b, CH 11



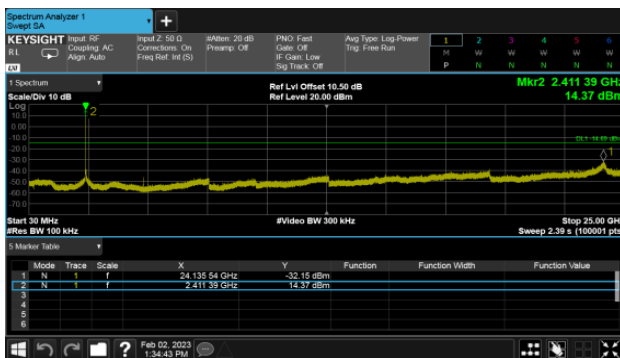
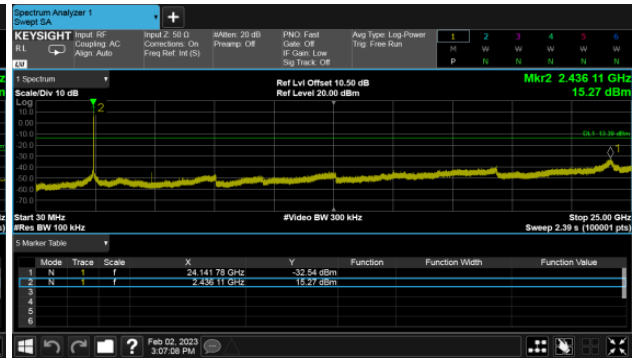
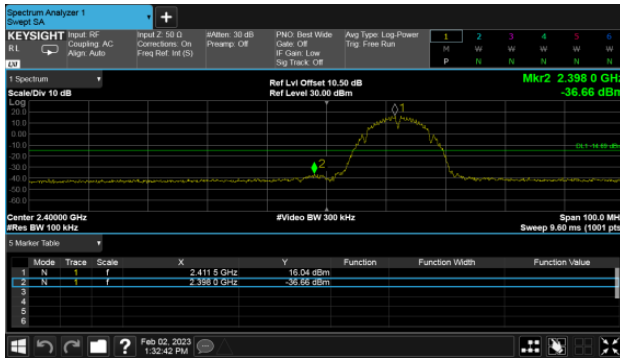
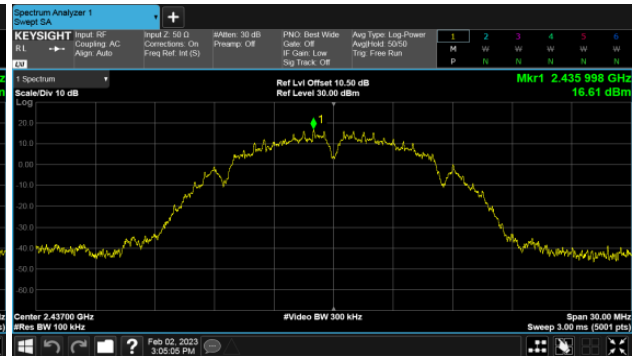


Non BeamForming,ANT C

Modulation Type: 802.11b, CH 01

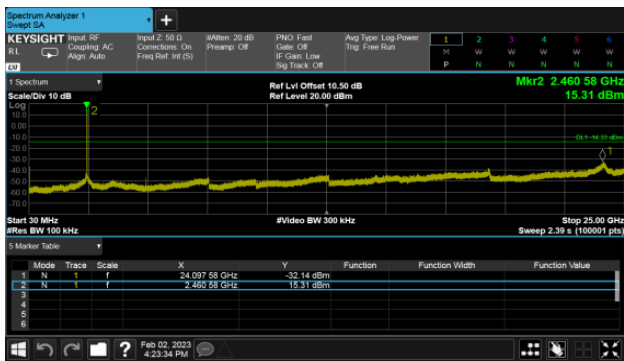
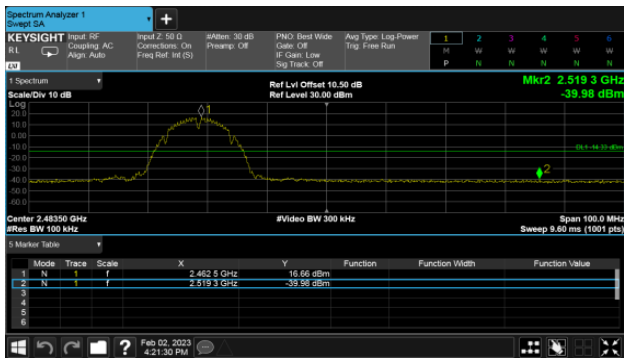
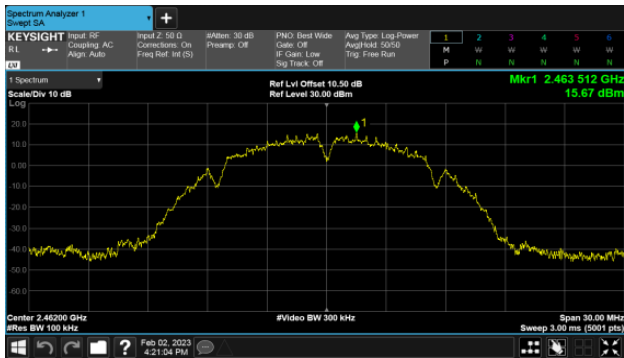


Modulation Type: 802.11b, CH 06





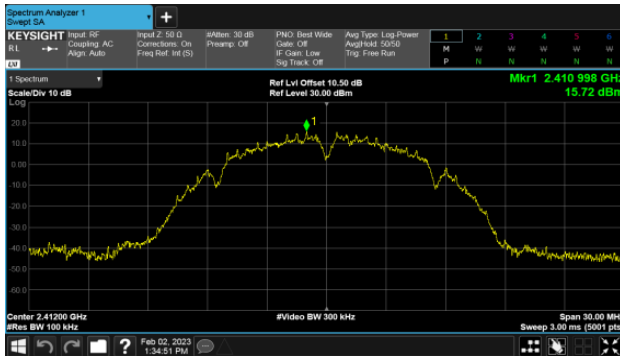
Modulation Type: 802.11b, CH 11



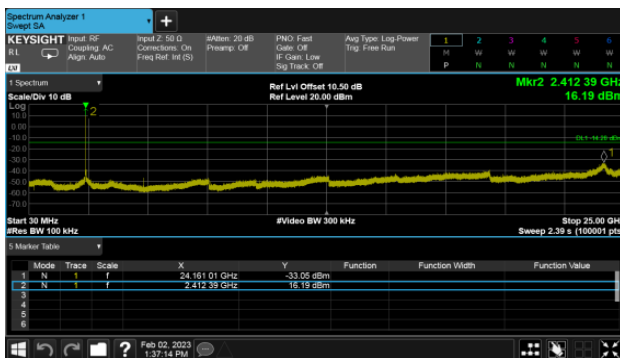
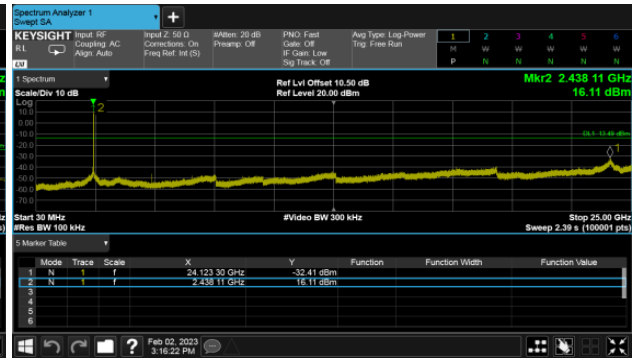
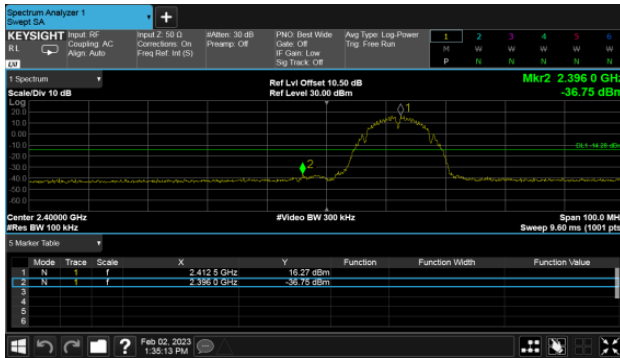
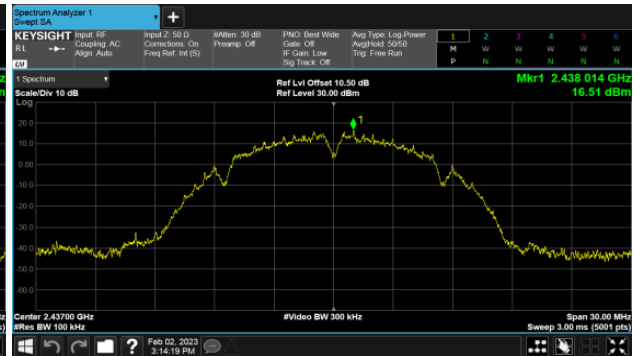


Non BeamForming,ANT D

Modulation Type: 802.11b, CH 01

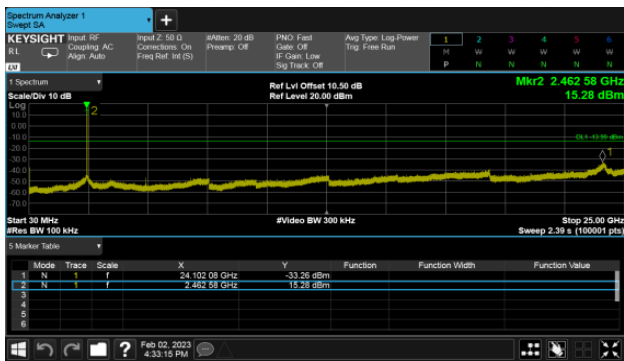
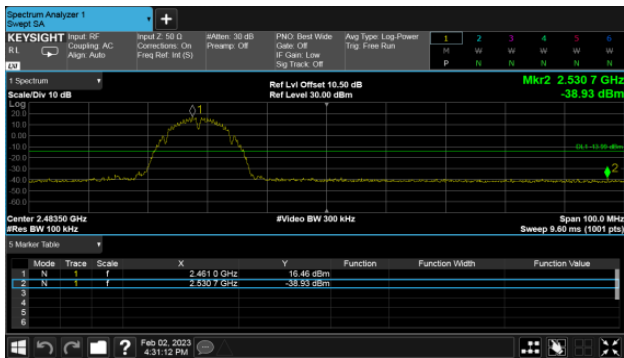
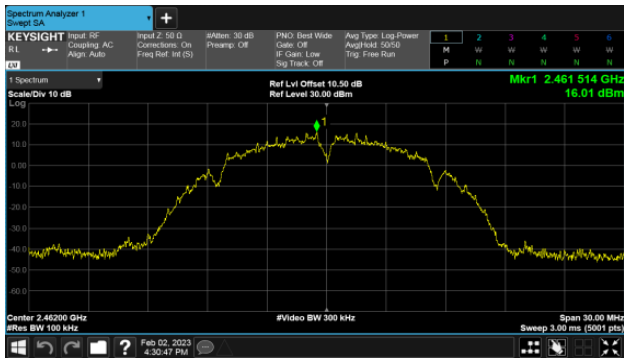


Modulation Type: 802.11b, CH 06





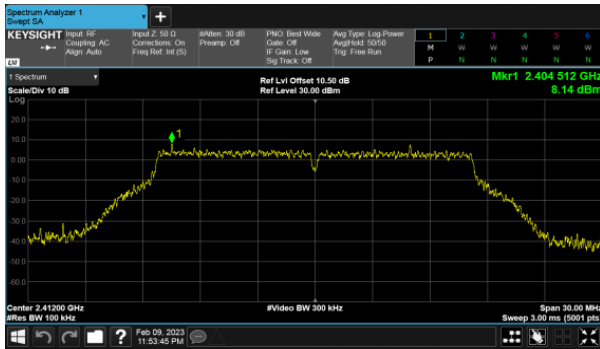
Modulation Type: 802.11b, CH 11



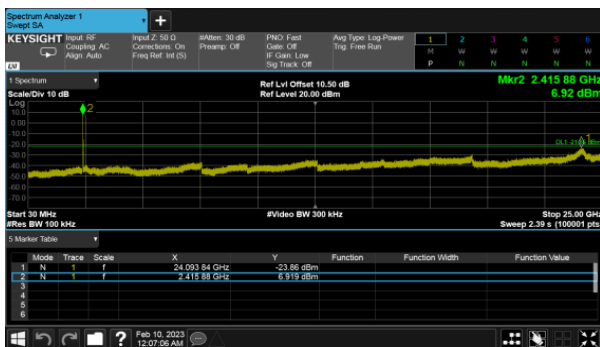
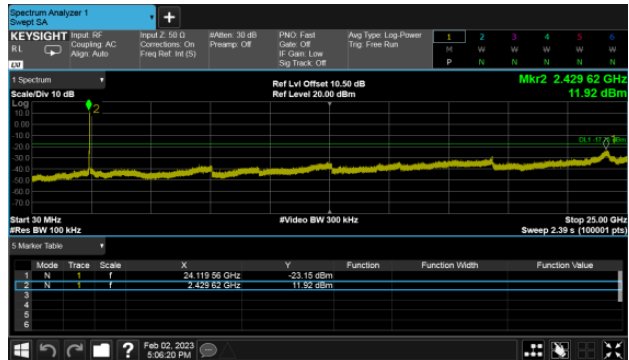
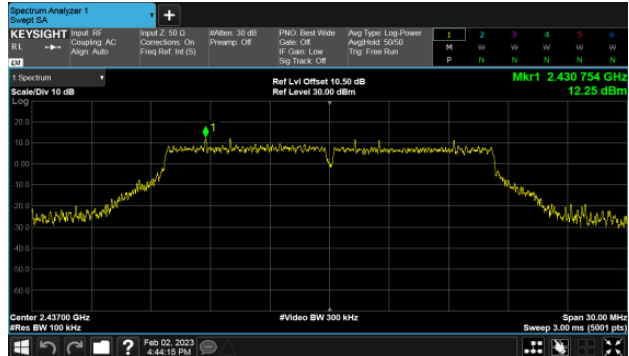


Non BeamForming,ANT A

Modulation Type: 802.11g, CH 01

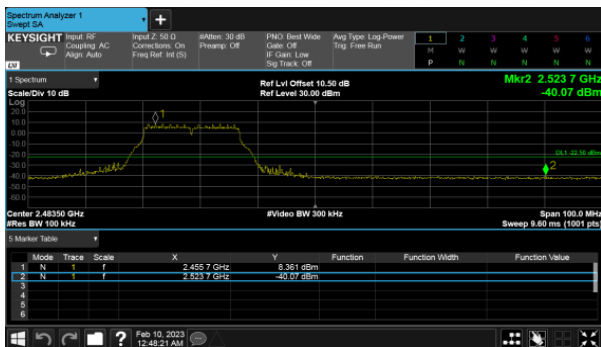
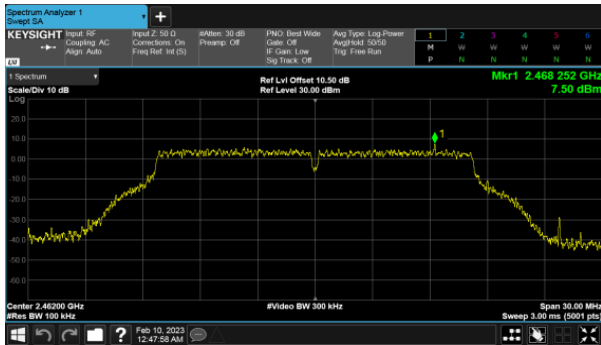


Modulation Type: 802.11g, CH 06





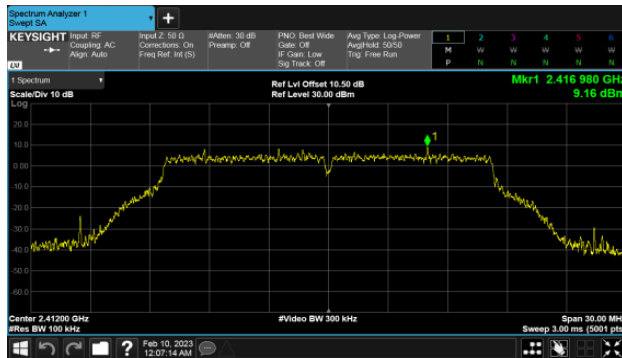
Modulation Type: 802.11g, CH 11



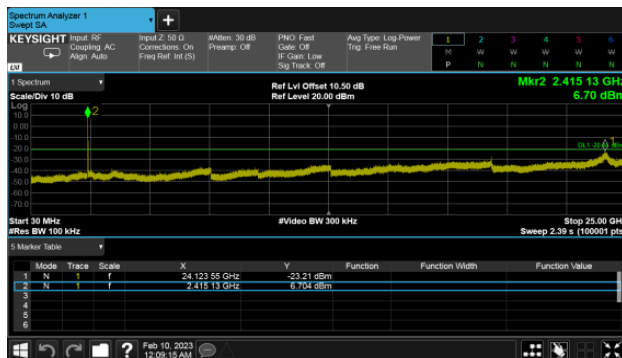
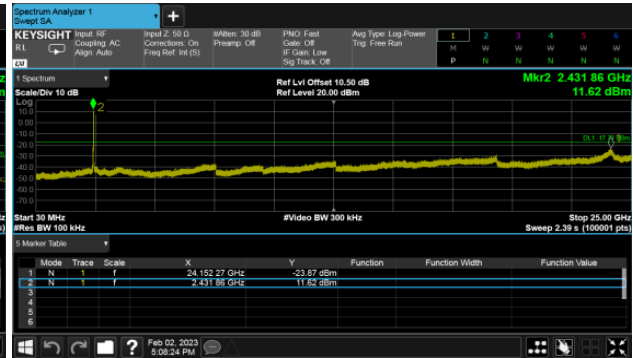
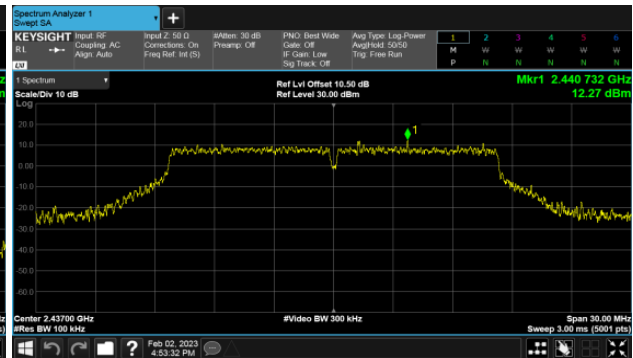


Non BeamForming,ANT B

Modulation Type: 802.11g, CH 01

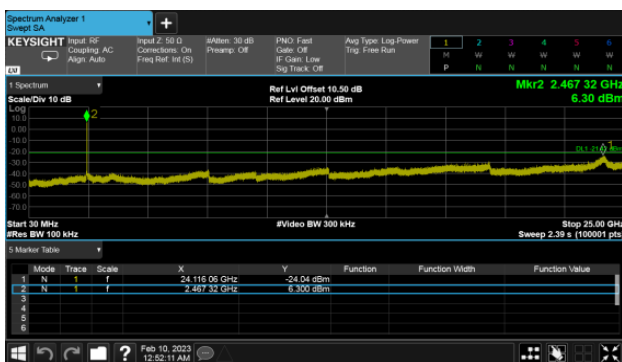
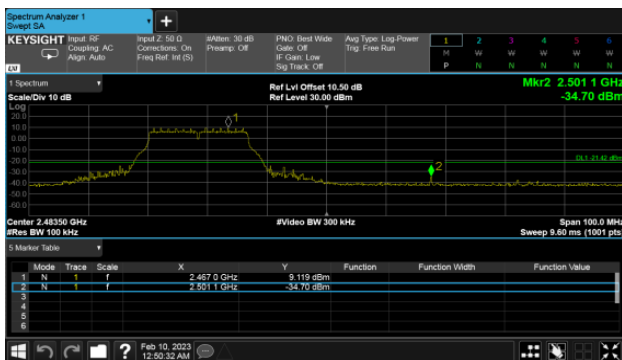
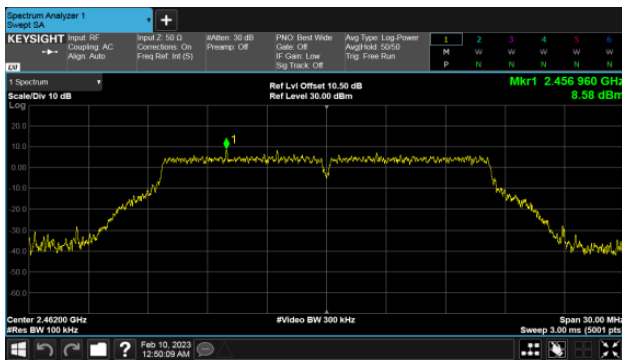


Modulation Type: 802.11g, CH 06





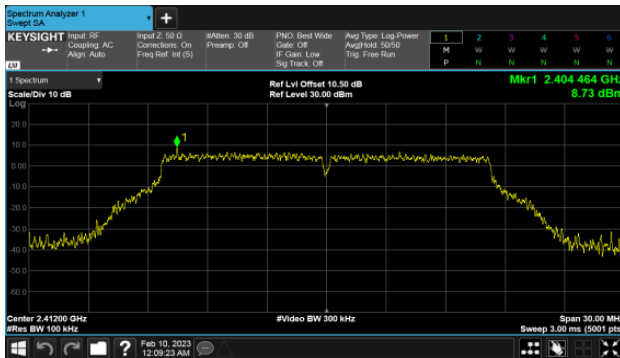
Modulation Type: 802.11g, CH 11



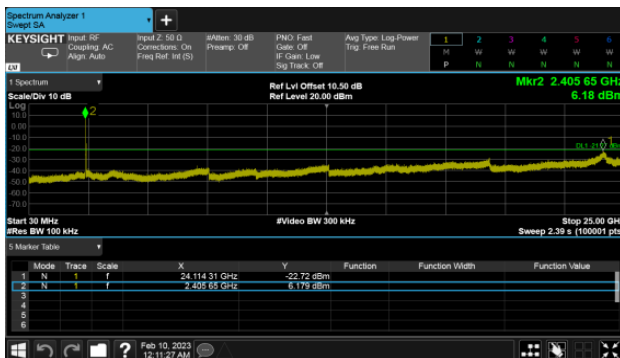
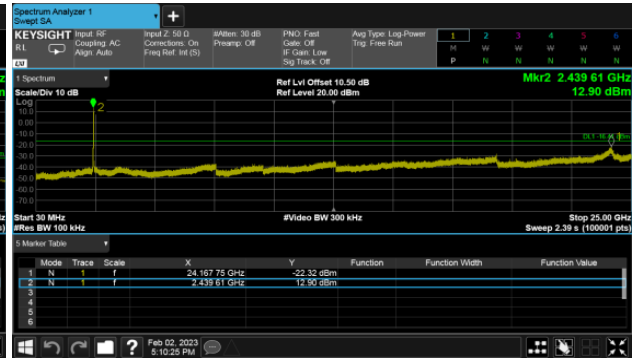
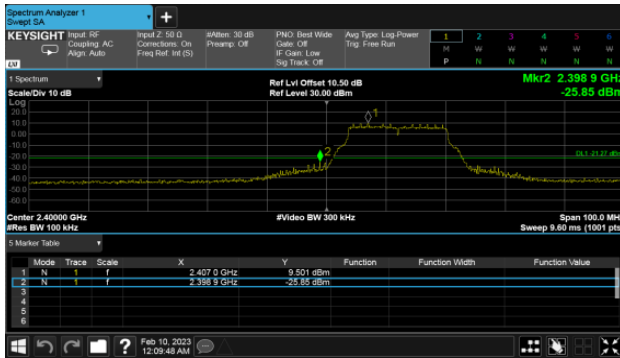
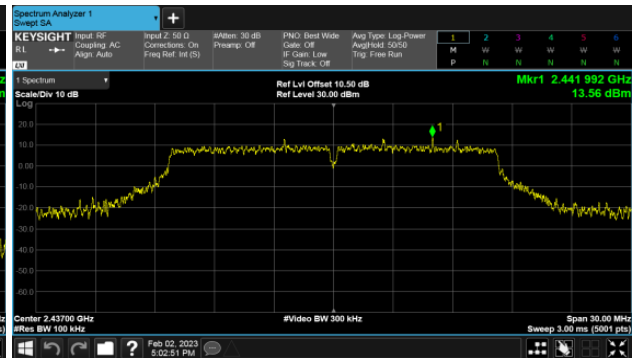


Non BeamForming,ANT C

Modulation Type: 802.11g, CH 01

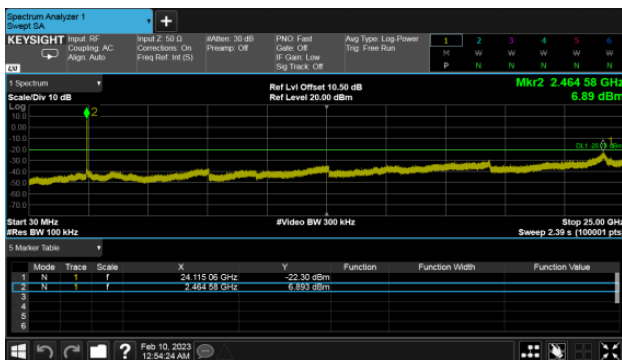
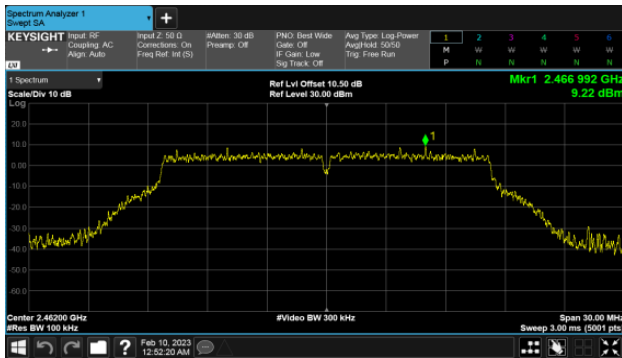


Modulation Type: 802.11g, CH 06





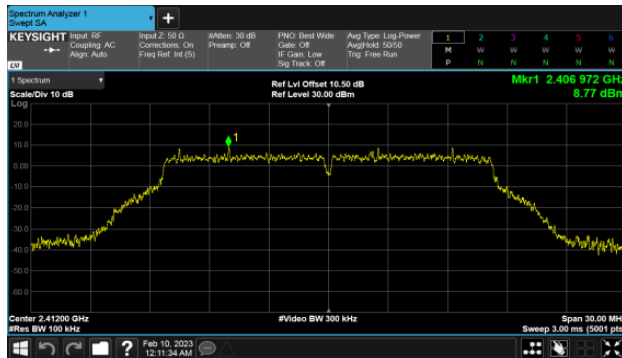
Modulation Type: 802.11g, CH 11



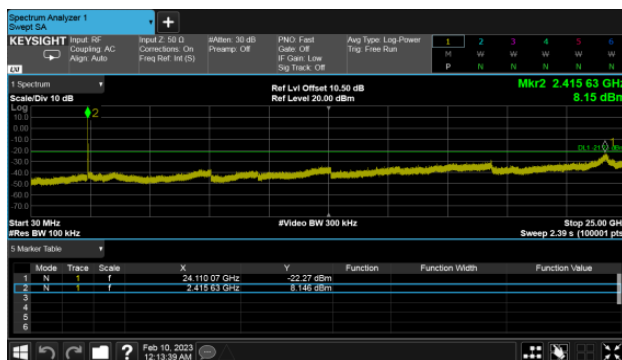
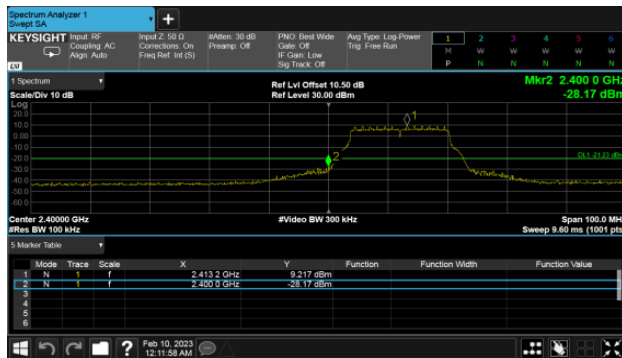
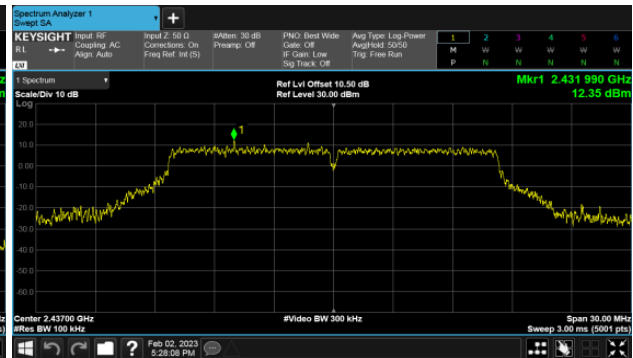


Non BeamForming,ANT D

Modulation Type: 802.11g, CH 01

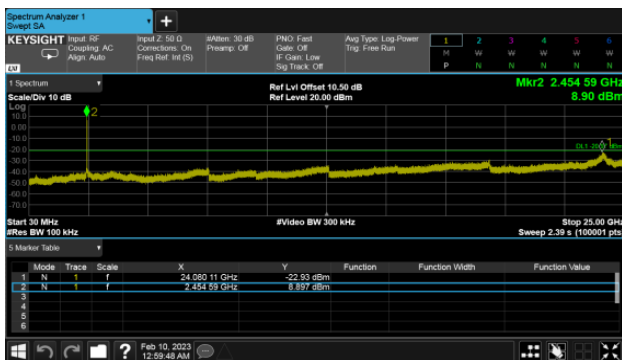
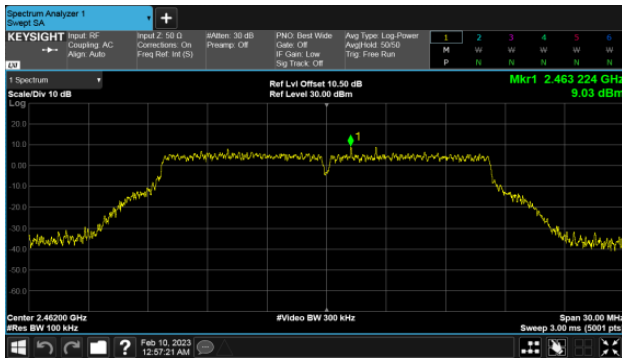


Modulation Type: 802.11g, CH 06



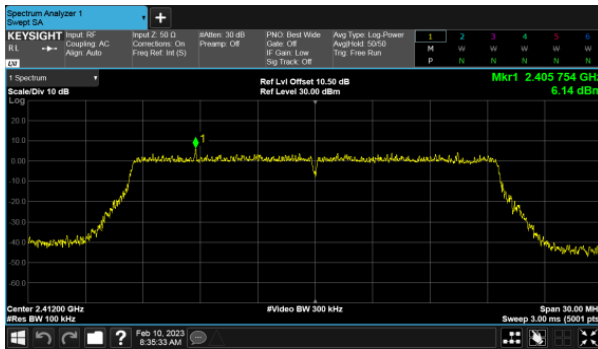


Modulation Type: 802.11g, CH 11

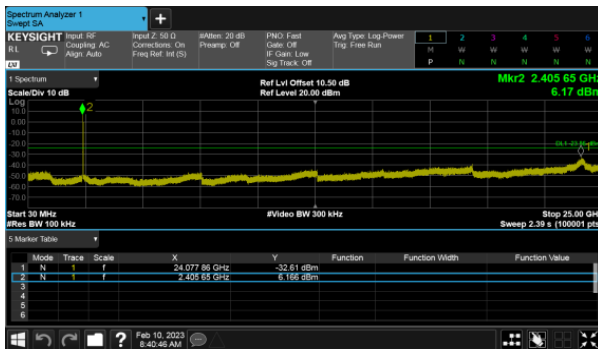
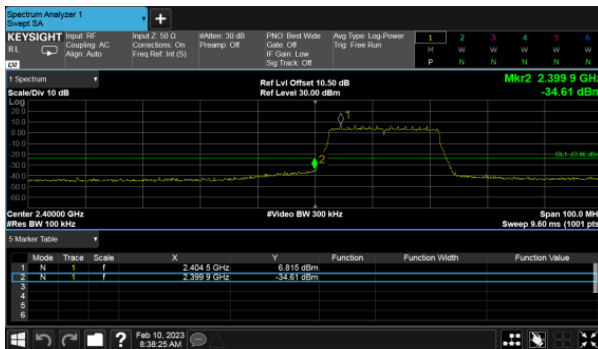
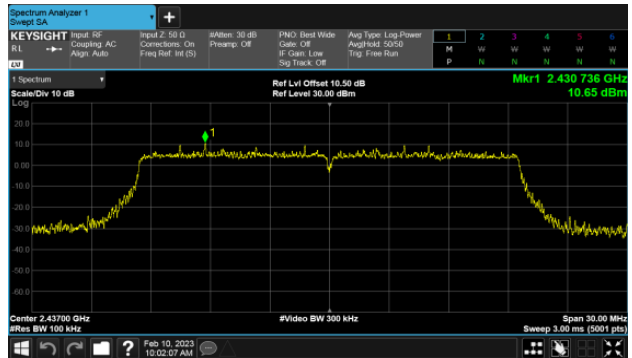




Non BeamForming,ANT A
Modulation Type: 802.11ax HE20, CH01

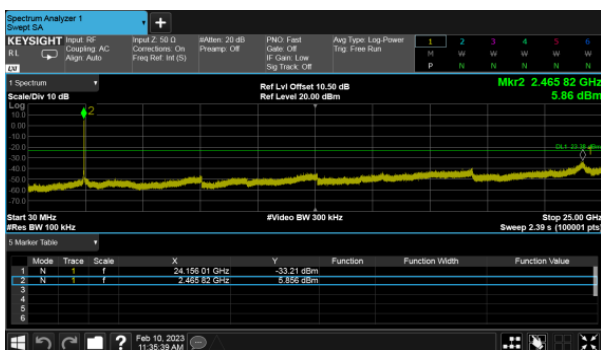
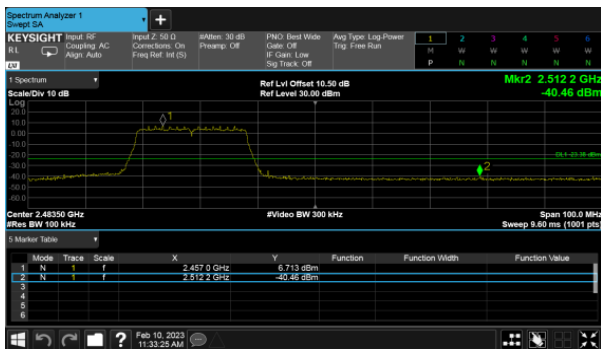
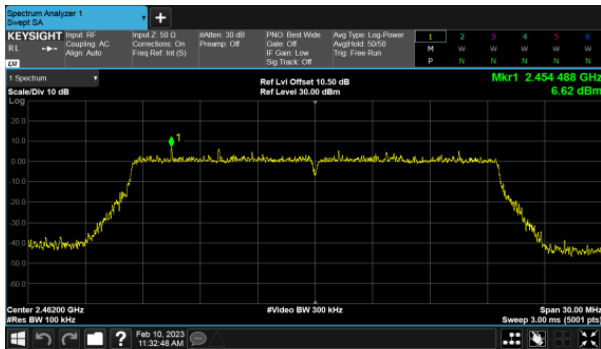


Modulation Type: 802.11ax HE20, CH06



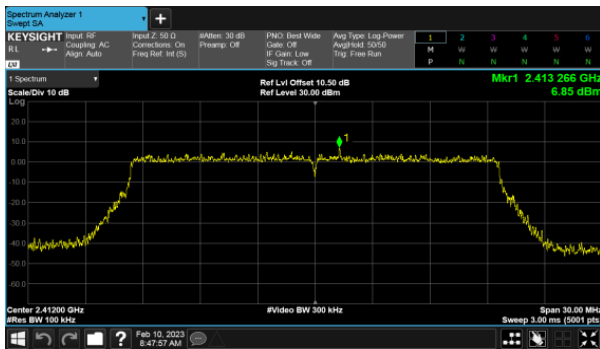


Modulation Type: 802.11ax HE20, CH11

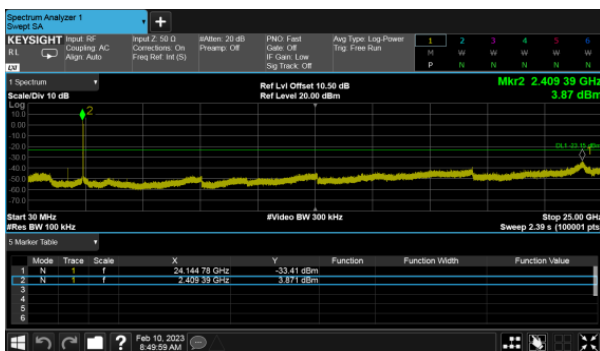
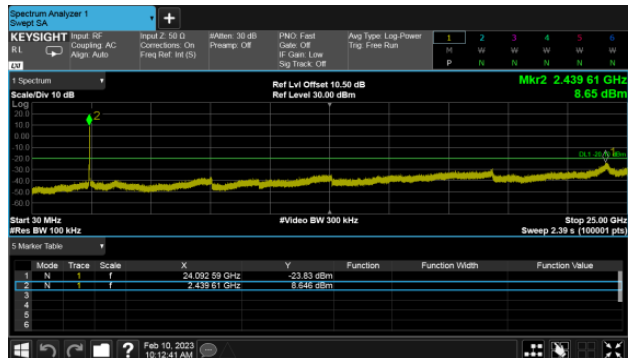
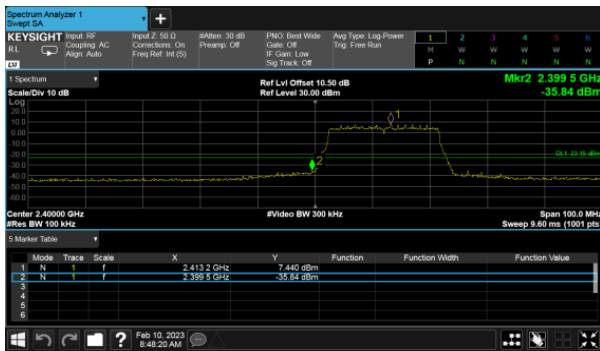
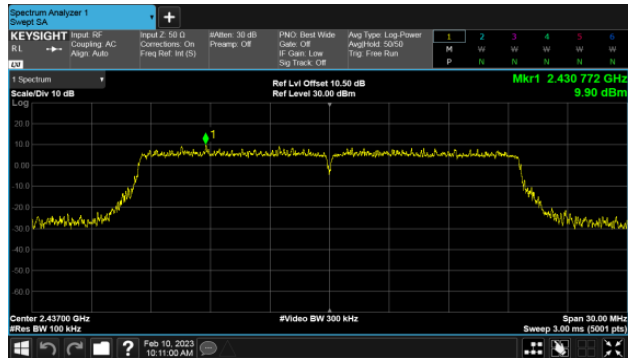




Non BeamForming, ANT B
Modulation Type: 802.11ax HE20, CH01

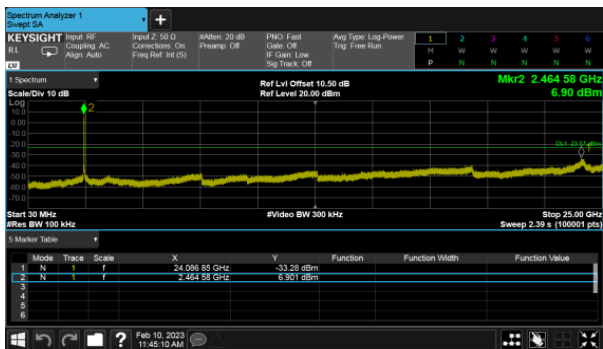
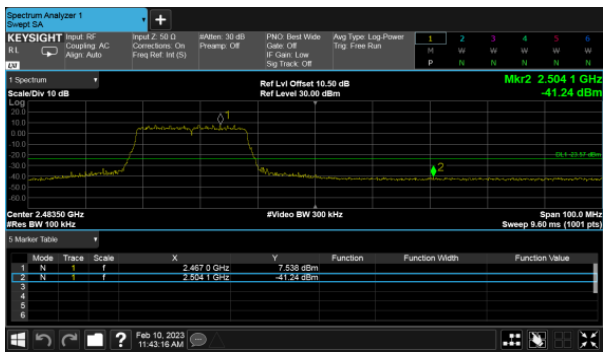
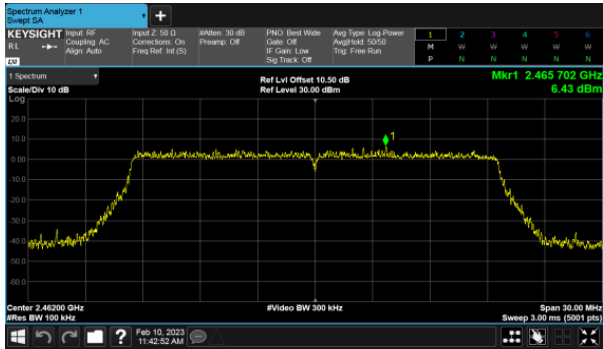


Modulation Type: 802.11ax HE20, CH06



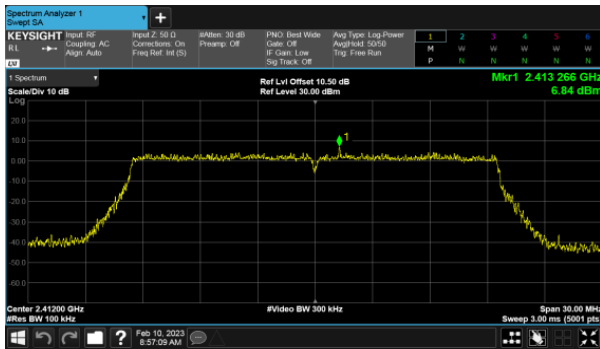


Modulation Type: 802.11ax HE20, CH11

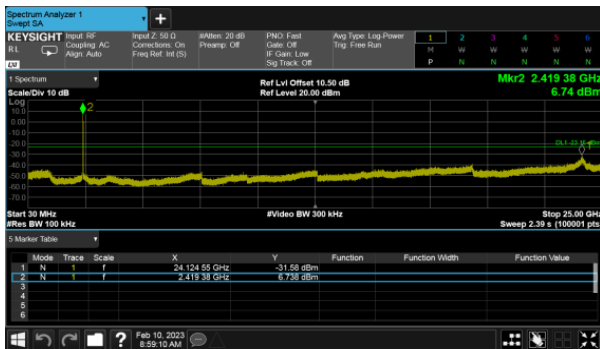
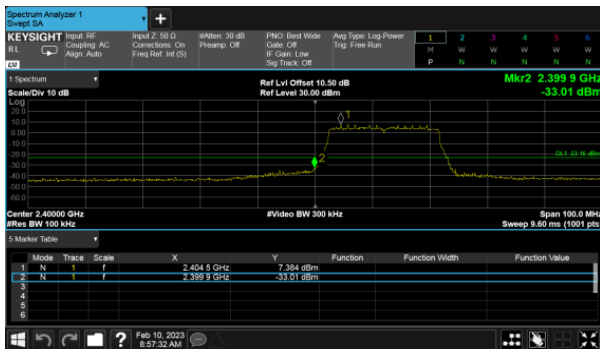
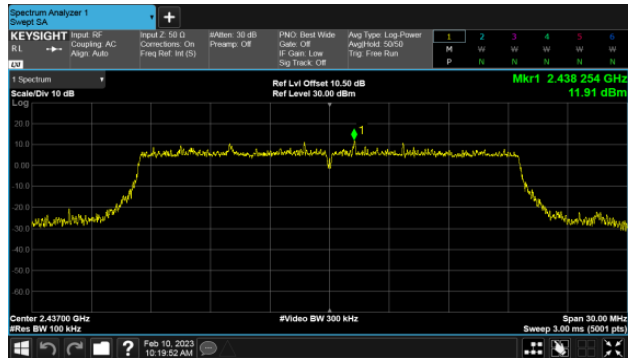




Non BeamForming,ANT C
Modulation Type: 802.11ax HE20, CH01

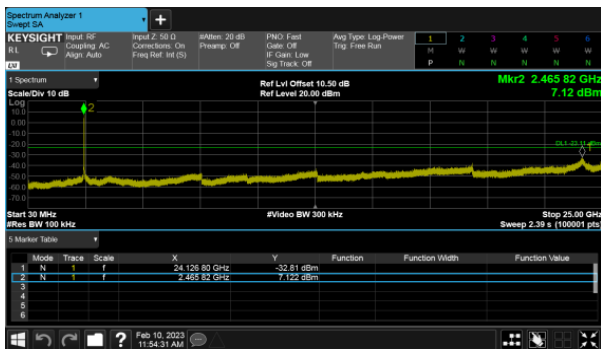
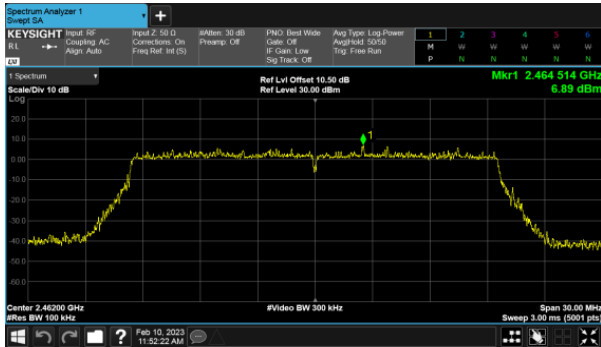


Modulation Type: 802.11ax HE20, CH06



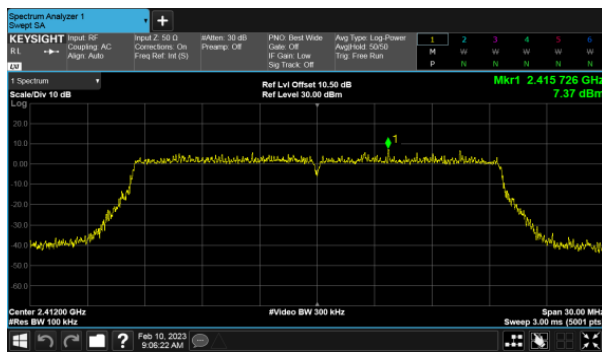


Modulation Type: 802.11ax HE20, CH11

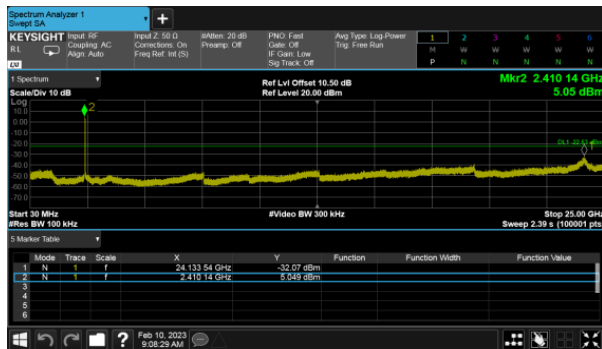
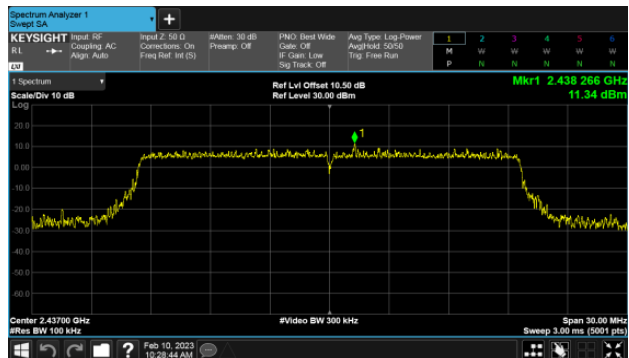




Non BeamForming,ANT D
Modulation Type: 802.11ax HE20, CH01

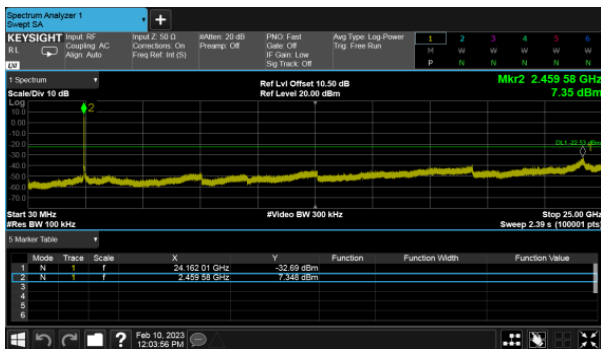
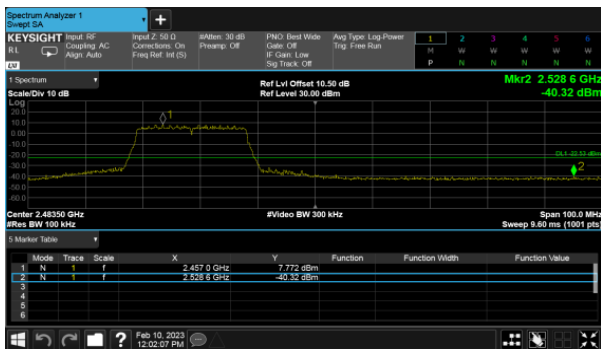


Modulation Type: 802.11ax HE20, CH06



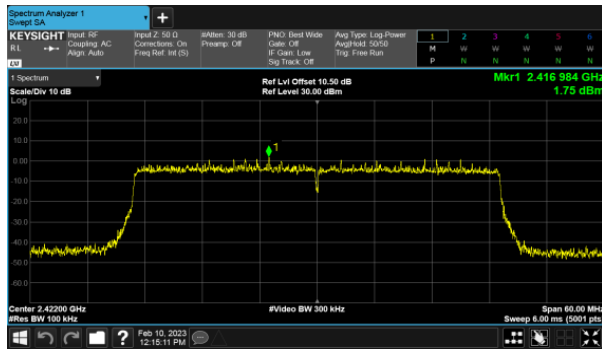


Modulation Type: 802.11ax HE20, CH11

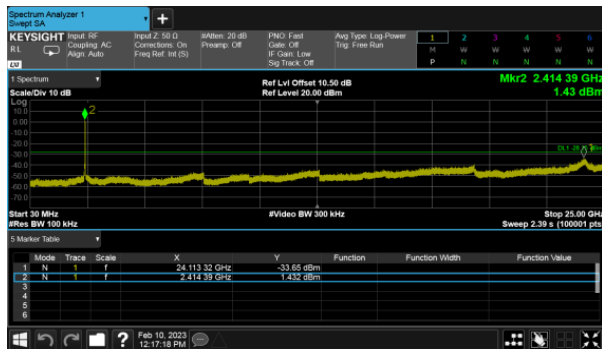
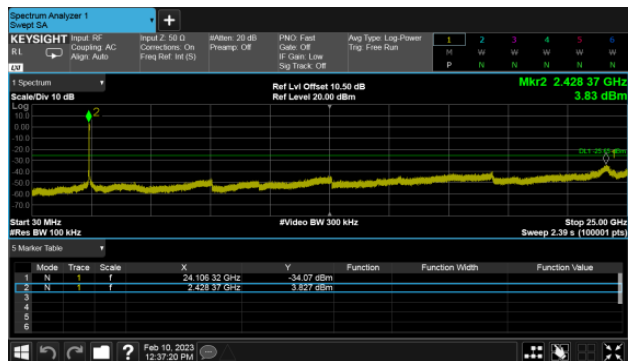
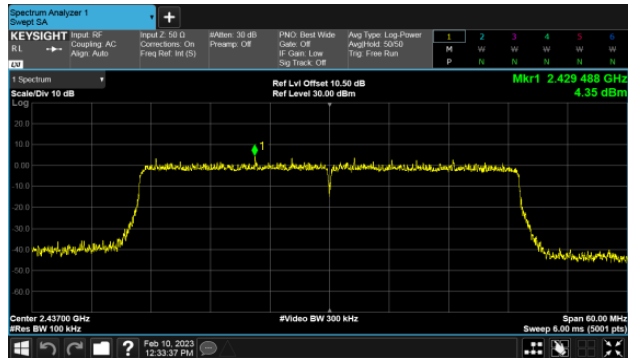




Non BeamForming, ANT A
Modulation Type: 802.11ax HE40, CH03

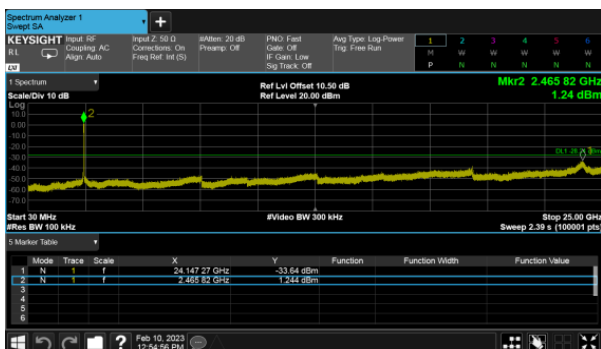
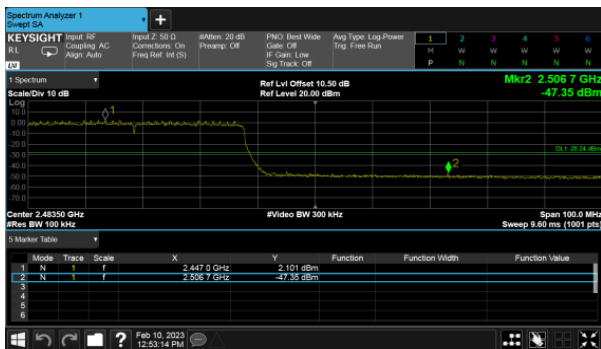


Modulation Type: 802.11ax HE40, CH06



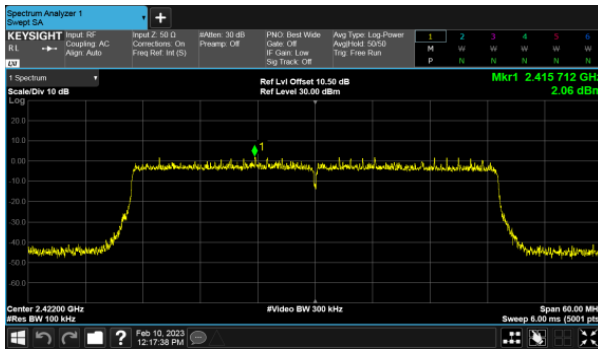


Modulation Type: 802.11ax HE40, CH09

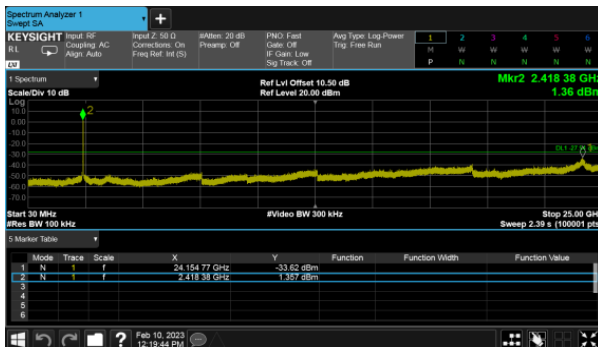
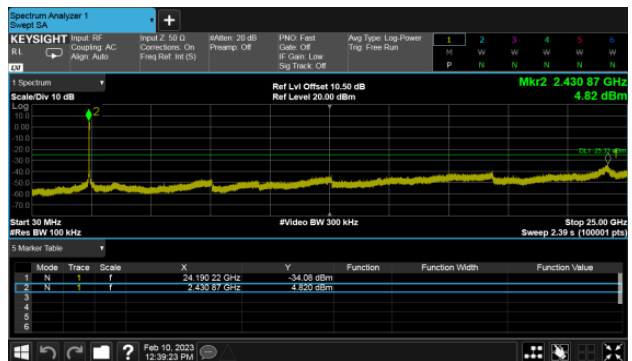
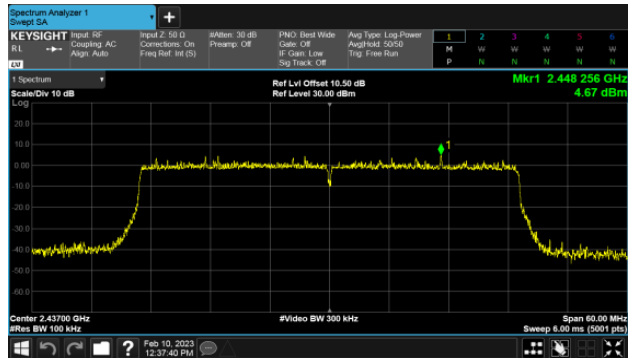




Non BeamForming,ANT B
Modulation Type: 802.11ax HE40, CH03



Modulation Type: 802.11ax HE40, CH06





Modulation Type: 802.11ax HE40, CH09

