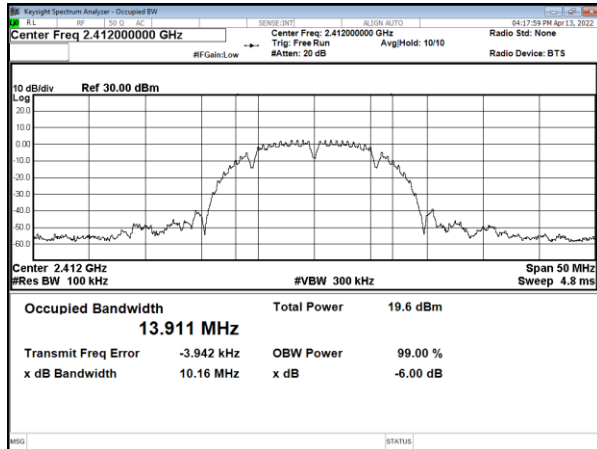
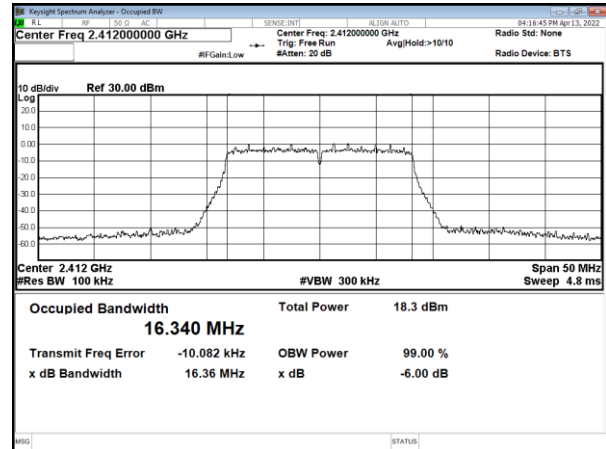
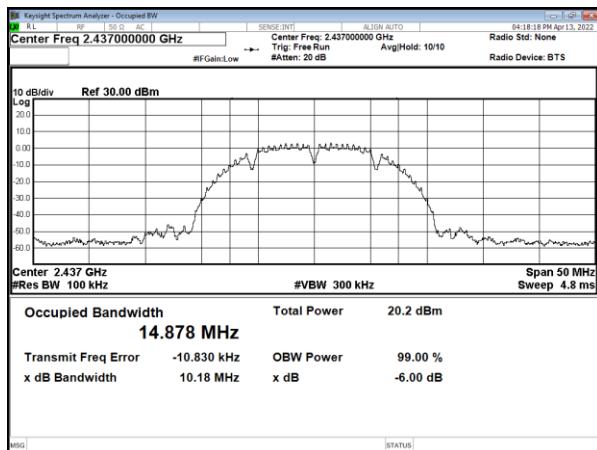




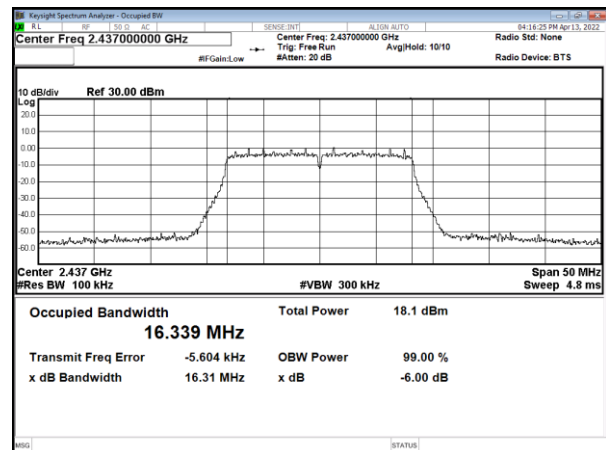
ANT A

Modulation Type: 802.11b
CH01Modulation Type: 802.11g
CH01

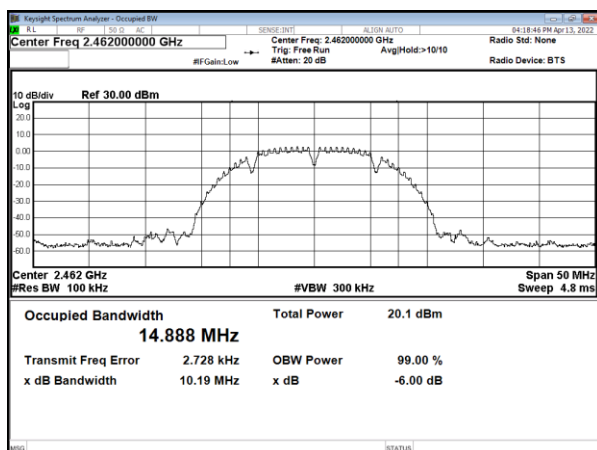
CH06



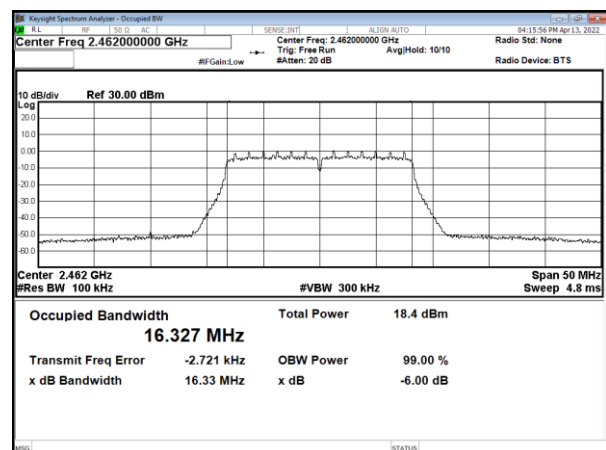
CH06



CH11

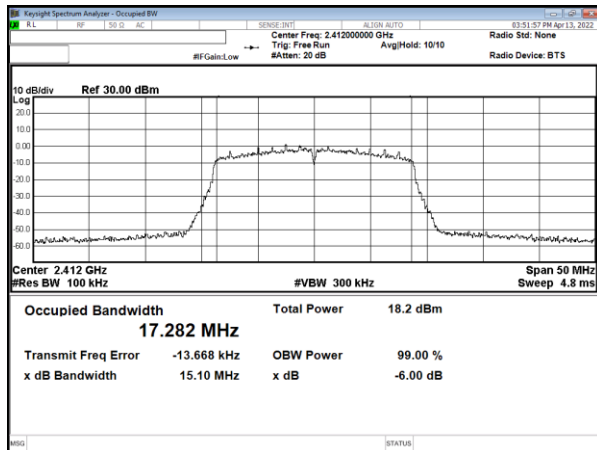


CH11

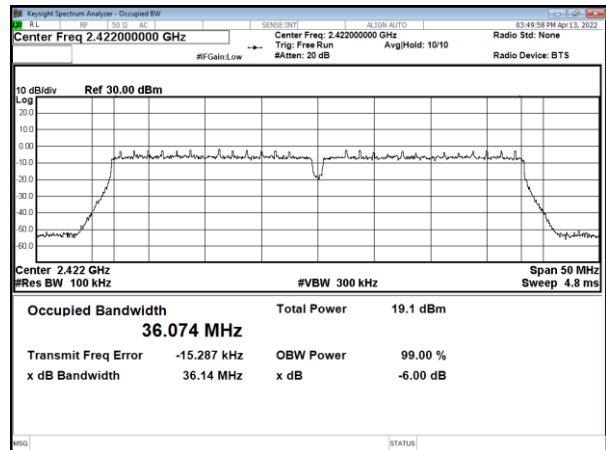




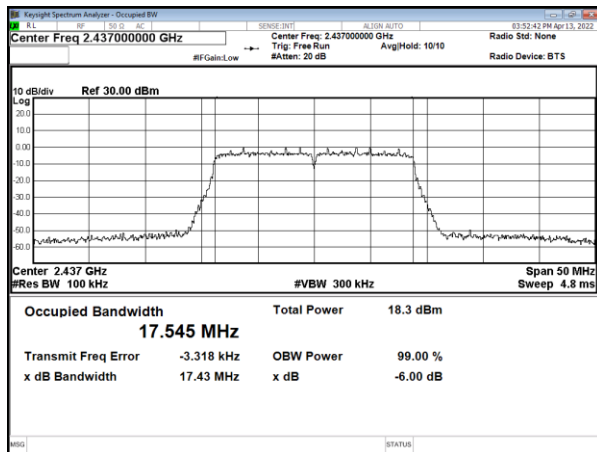
Modulation Type: IEEE 802.11n HT20
CH01



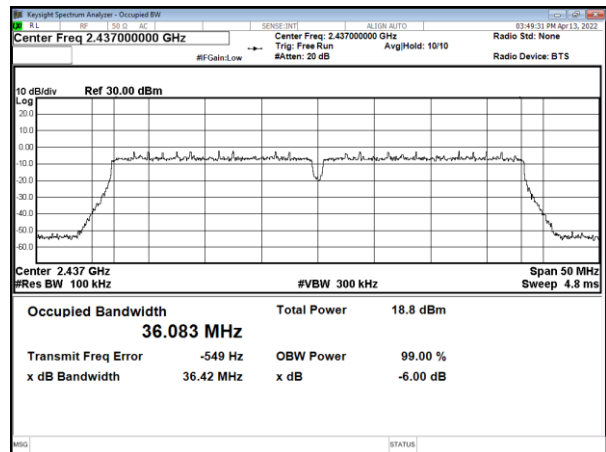
Modulation Type: IEEE 802.11n HT40
CH03



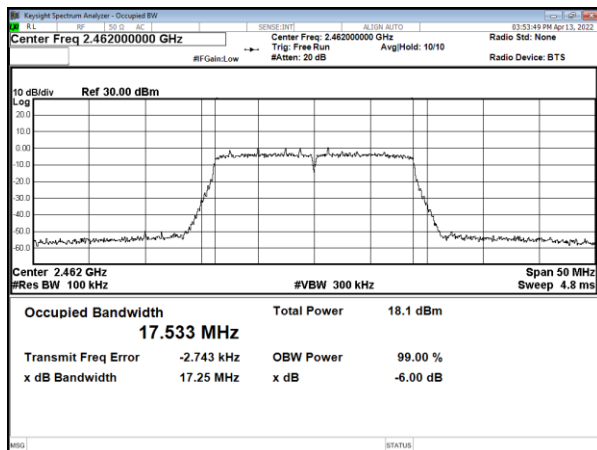
CH06



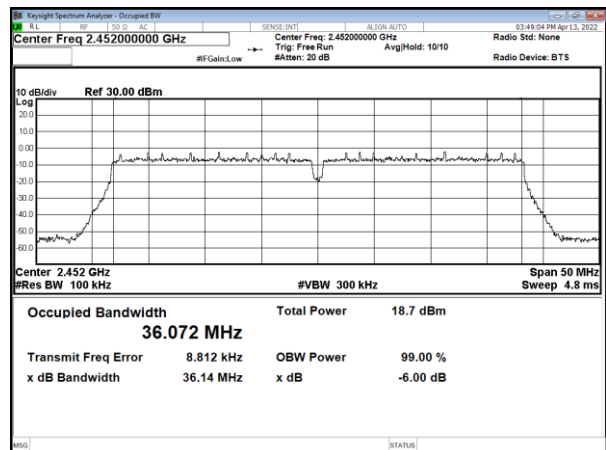
CH06



CH11

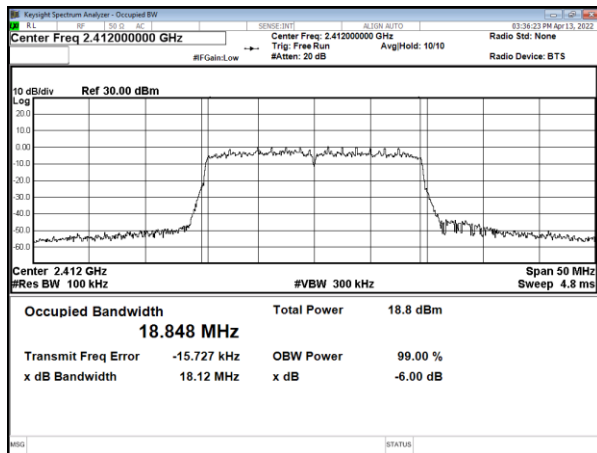


CH09

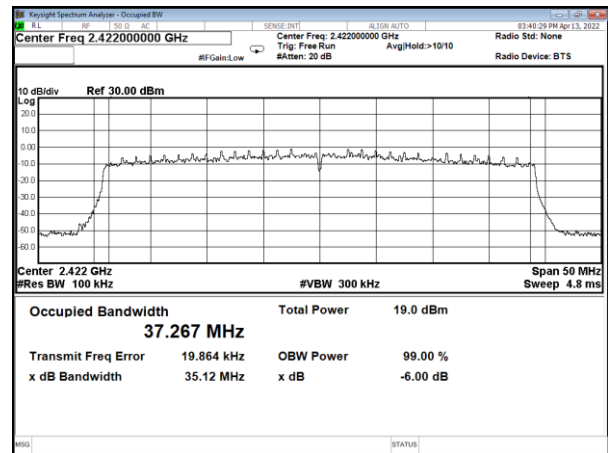




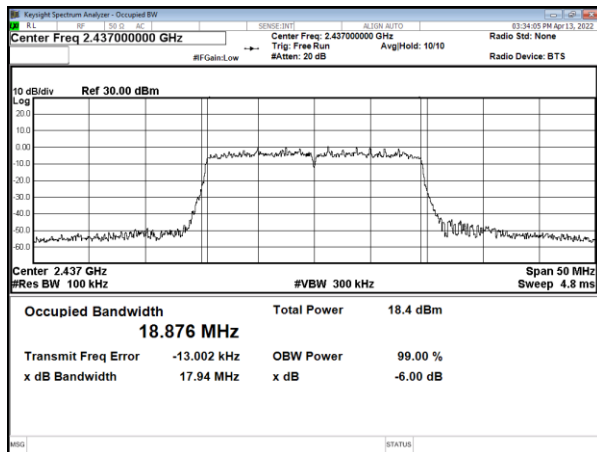
Modulation Type: IEEE 802.11ax HE20
CH01



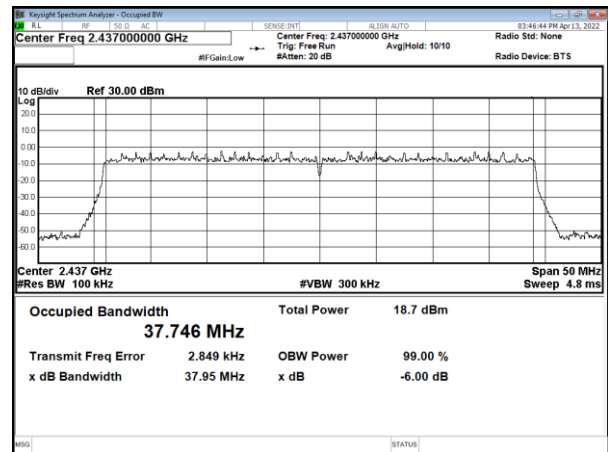
Modulation Type: IEEE 802.11ax HE40
CH03



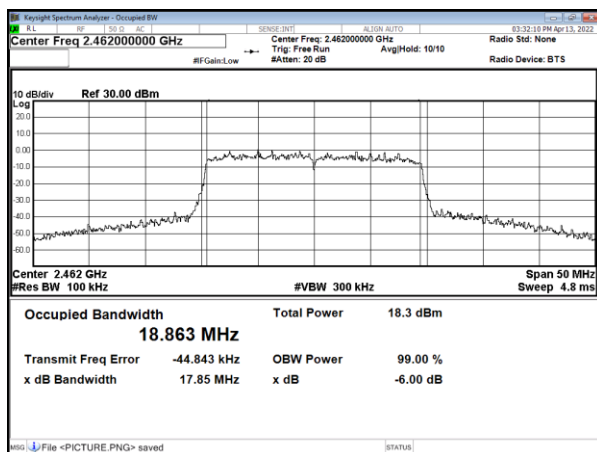
CH06



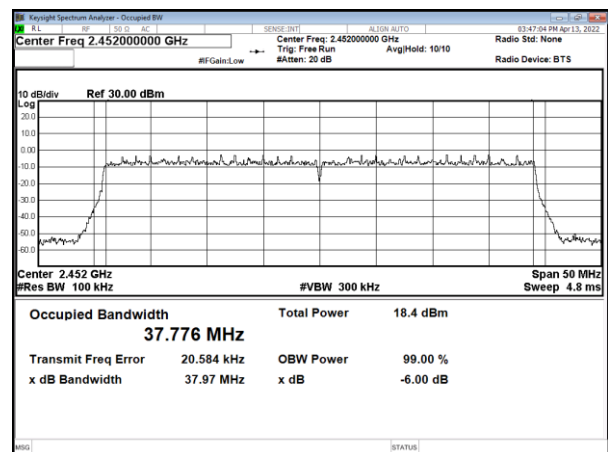
CH06



CH11

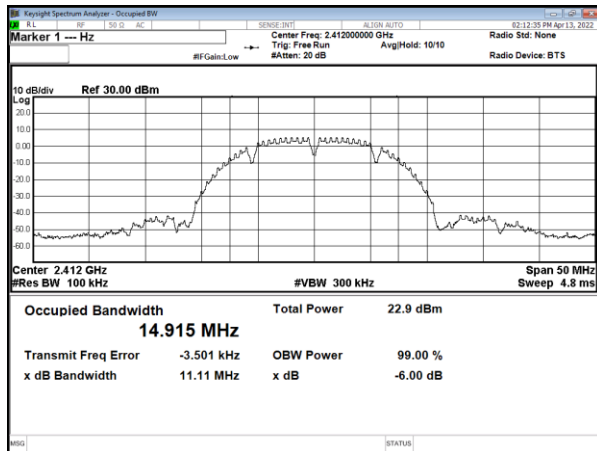
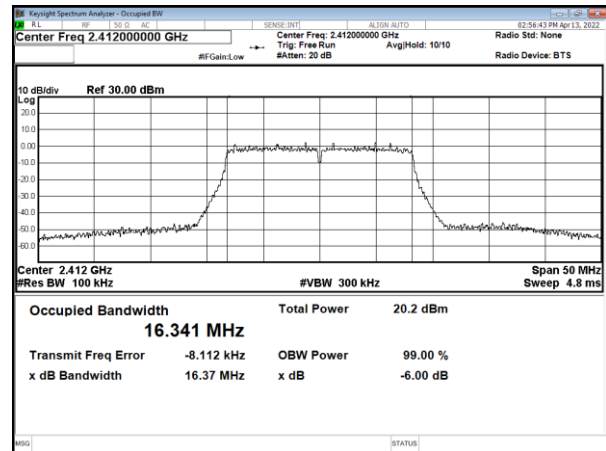


CH09

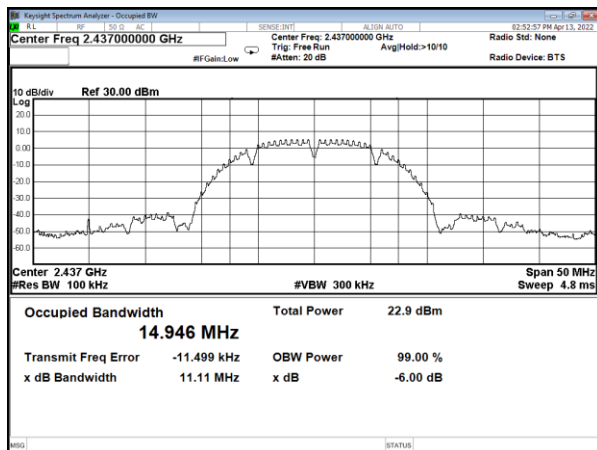




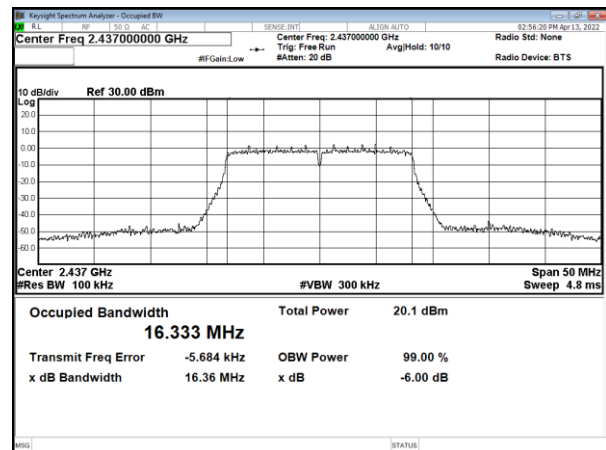
ANT B

Modulation Type: 802.11b
CH01Modulation Type: 802.11g
CH01

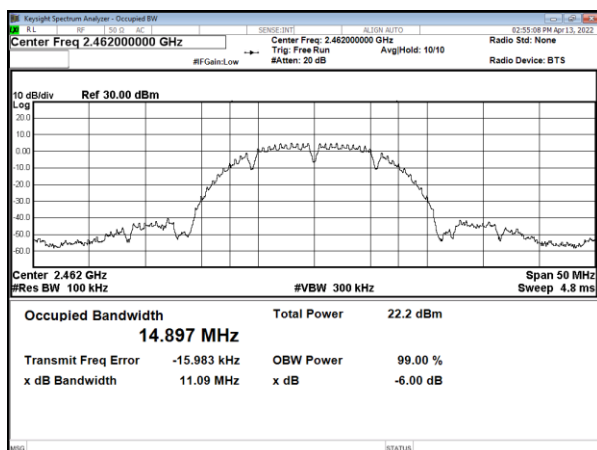
CH06



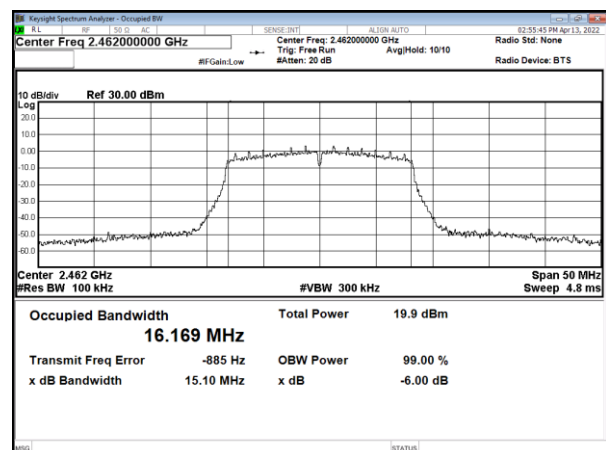
CH06

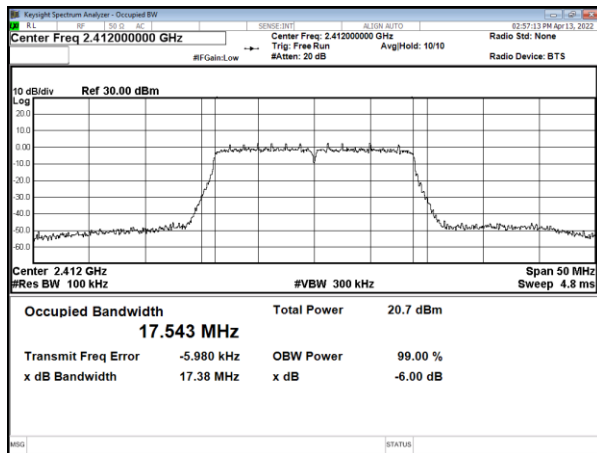
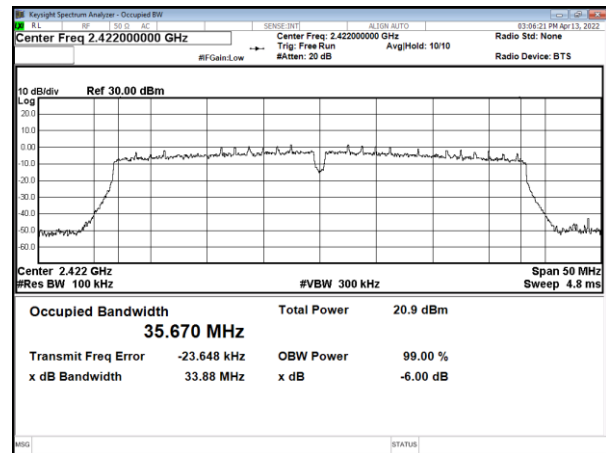


CH11

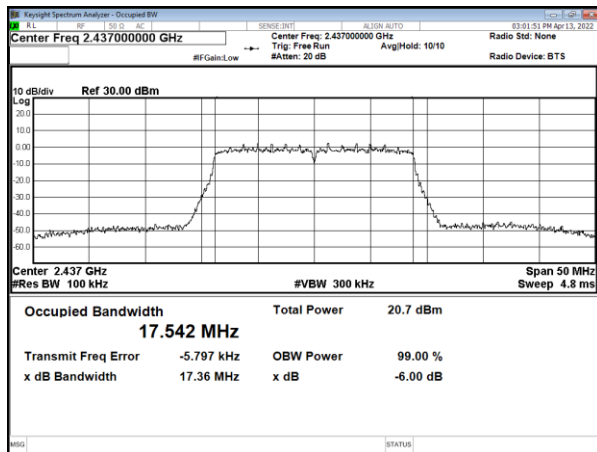


CH11

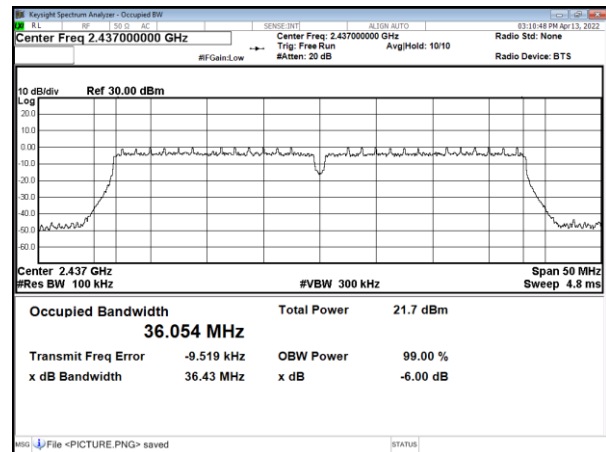


Modulation Type: IEEE 802.11n HT20
CH01Modulation Type: IEEE 802.11n HT40
CH03

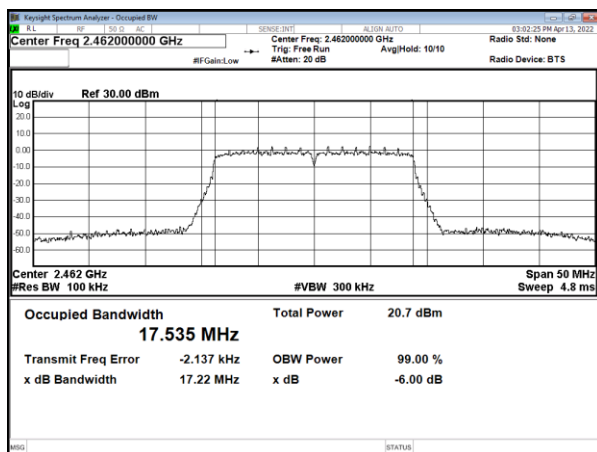
CH06



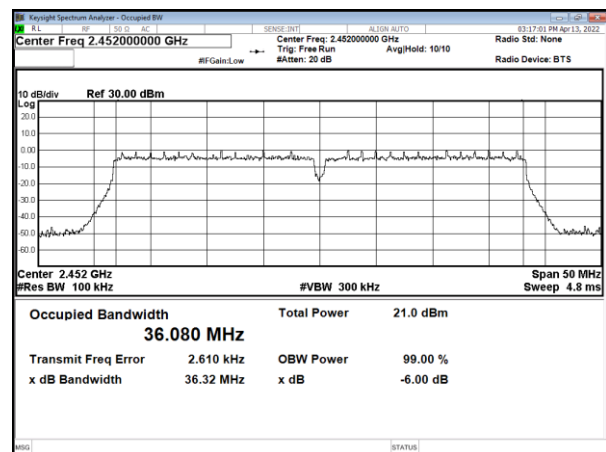
CH06



CH11

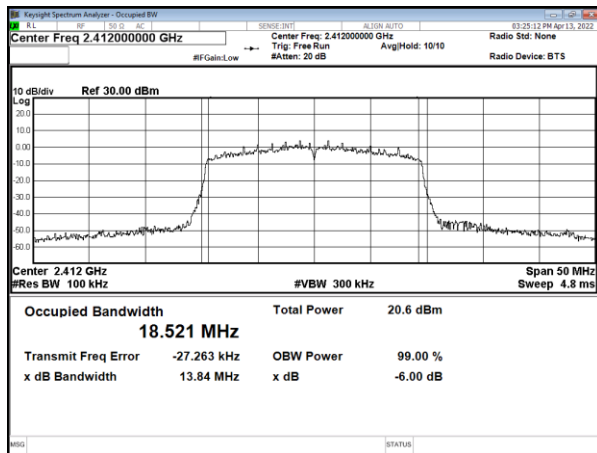


CH09

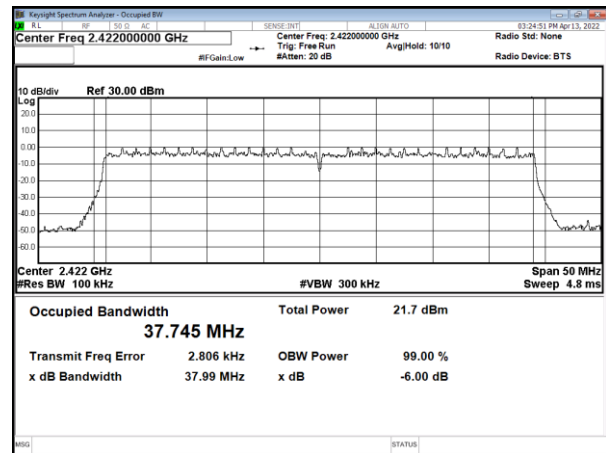




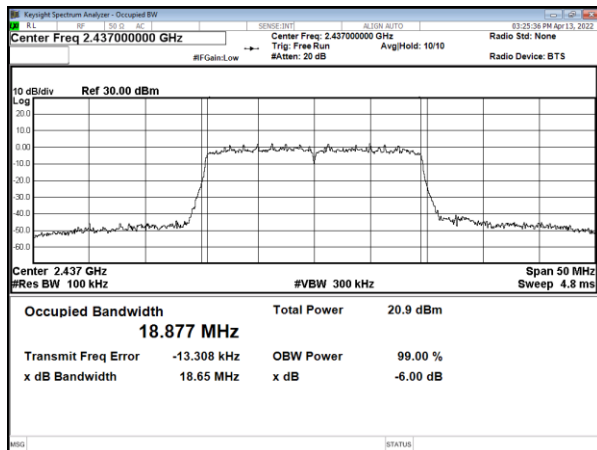
Modulation Type: IEEE 802.11ax HE20
CH01



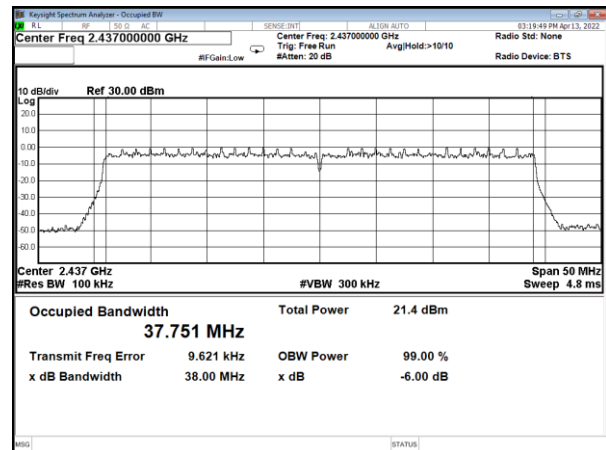
Modulation Type: IEEE 802.11ax HE40
CH03



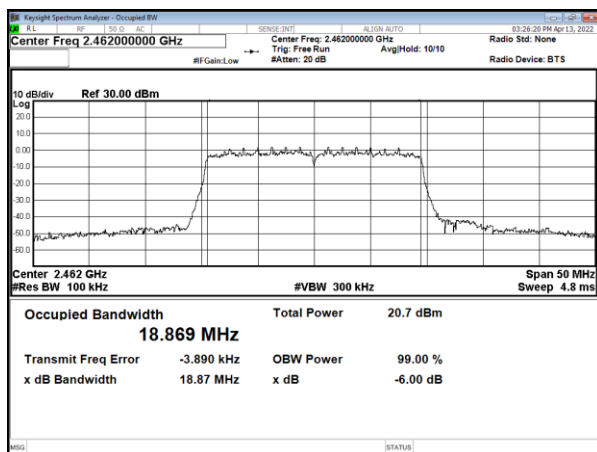
CH06



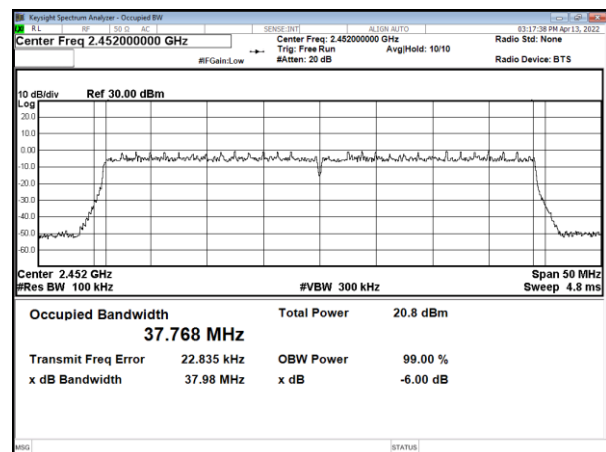
CH06



CH11



CH09





10. Maximum Peak Output Power

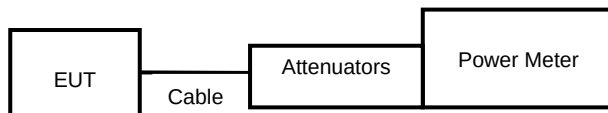
10.1 Test Limit

The Maximum Peak Output Power Measurement is 30dBm.

10.2 Test Procedures

The antenna port (RF output) of the EUT was connected to the input (RF input) of a power meter. Power was read directly from the meter and cable loss connection was added to the reading to obtain power at the EUT antenna terminal. The EUT Output Power was set to maximum to produce the worse case test result.

10.3 Test Setup Layout



**10.4 Test Result and Data****MIMO**

Modulation Type	Channel	Frequency (MHz)	Conducted(peak) output power (dBm)		Total peak power (dBm)	Total peak power (mW)	Power Limit (dBm)
			ANT A	ANT B			
11b	1	2412	18.67	17.76	21.25	133.324	30.00
	6	2437	18.64	18.47	21.57	143.421	30.00
	11	2462	18.59	18.17	21.40	137.892	30.00
11g	1	2412	22.18	21.74	24.98	314.476	30.00
	6	2437	22.24	21.17	24.75	298.412	30.00
	11	2462	21.92	21.10	24.54	284.422	30.00
11n HT20	1	2412	22.80	21.24	25.10	323.592	30.00
	6	2437	22.45	21.00	24.80	301.685	30.00
	11	2462	22.29	20.94	24.68	293.599	30.00
11n HT40	3	2422	22.50	21.87	25.21	331.643	30.00
	6	2437	22.53	21.52	25.06	320.966	30.00
	9	2452	22.47	21.42	24.99	315.279	30.00
802.11ax HE20	1	2412	22.67	22.08	25.40	346.363	30.00
	6	2437	22.76	21.51	25.19	330.379	30.00
	11	2462	22.51	21.92	25.24	333.834	30.00
802.11ax HE40	3	2422	22.96	21.99	25.51	355.822	30.00
	6	2437	22.68	21.92	25.33	340.950	30.00
	9	2452	22.88	21.77	25.37	344.403	30.00



11. Power Spectral Density

11.1 Test Limit

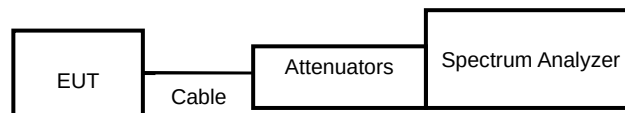
The Maximum of Power Spectral Density Measurement is 8dBm.

If transmitting antennas of directional gain greater than 6 dBi are used, the power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi

11.2 Test Procedures

- The transmitter output was connected to spectrum analyzer.
- The spectrum analyzer's resolution bandwidth were set at 3kHz RBW and 10KHz VBW as that of the fundamental frequency. Set the sweep time=auto couple.
- The power spectral density was measured and recorded.

11.3 Test Setup Layout





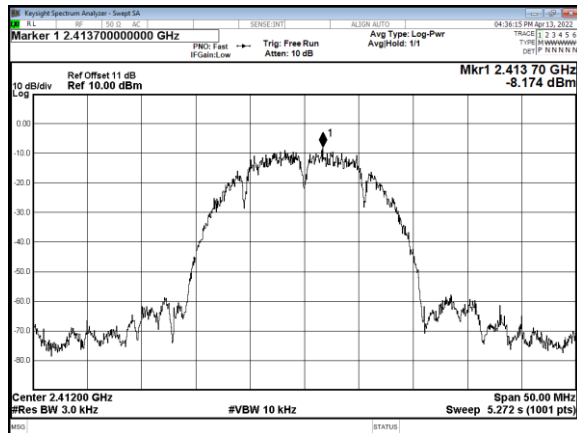
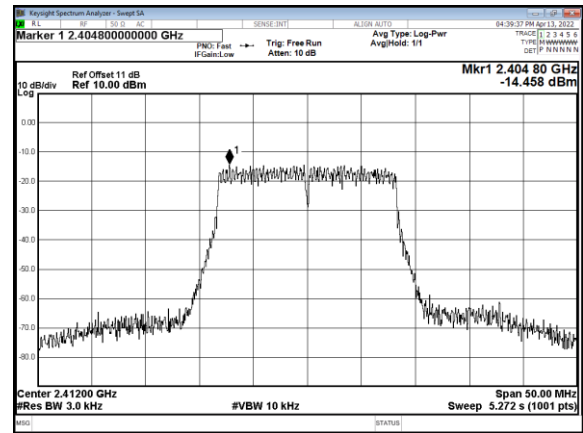
11.4 Test Result and Data

MIMO

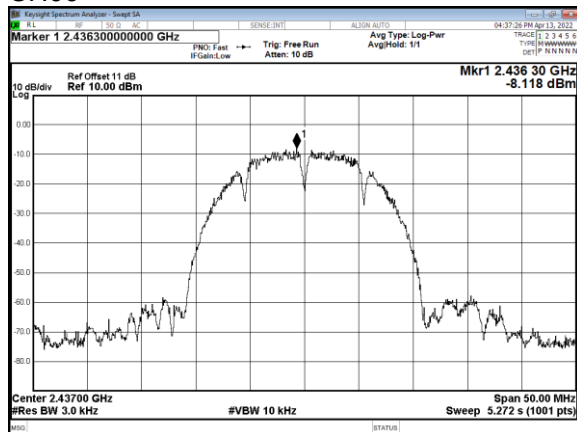
Modulation Type	Channel	Frequency (MHz)	Maximum Power Density of 3KHz Bandwidth(dBm)		Sum chain (dBm)	Limit (dBm)
			ANT A	ANT B		
11b	1	2412	-8.174	-8.673	-5.41	7.17
	6	2437	-8.118	-9.211	-5.62	7.17
	11	2462	-8.796	-8.971	-5.87	7.17
11g	1	2412	-14.458	-14.538	-11.49	7.17
	6	2437	-14.147	-14.516	-11.32	7.17
	11	2462	-12.672	-14.3	-10.40	7.17
11n HT20	1	2412	-12.384	-13.383	-9.84	7.17
	6	2437	-12.497	-13.458	-9.94	7.17
	11	2462	-12.643	-13.864	-10.20	7.17
11n HT40	3	2422	-13.923	-13.682	-10.79	7.17
	6	2437	-12.996	-15.768	-11.15	7.17
	9	2452	-14.162	-13.78	-10.96	7.17
802.11ax HE20	1	2412	-11.2	-13.773	-9.29	7.17
	6	2437	-10.815	-13.312	-8.88	7.17
	11	2462	-11.228	-13.168	-9.08	7.17
802.11ax HE40	3	2422	-15.54	-14.555	-12.01	7.17
	6	2437	-15.73	-15.766	-12.74	7.17
	9	2452	-14.696	-16.041	-12.31	7.17



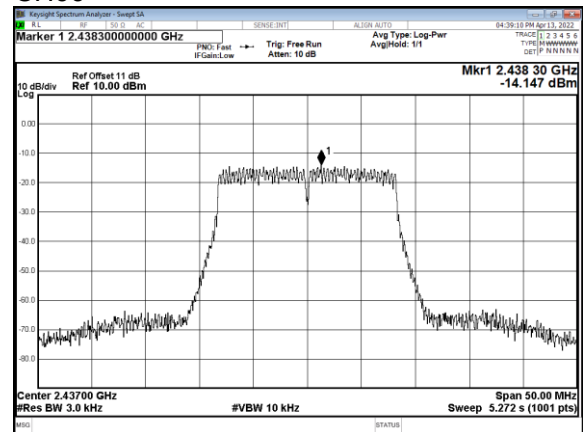
MIMO (ANT A)

Modulation Type: 802.11b
CH01Modulation Type: 802.11g
CH01

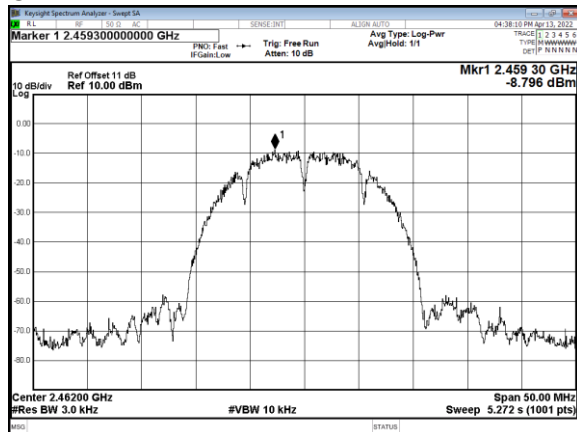
CH06



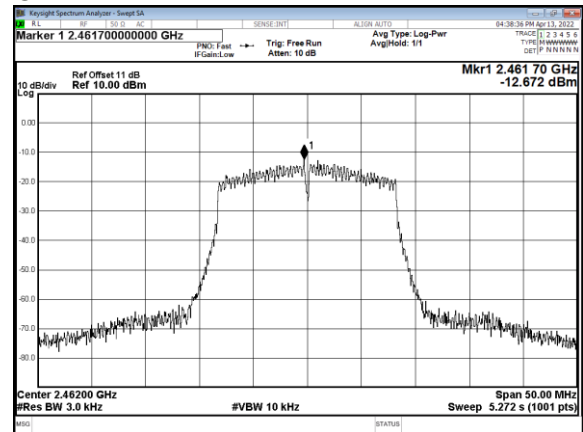
CH06

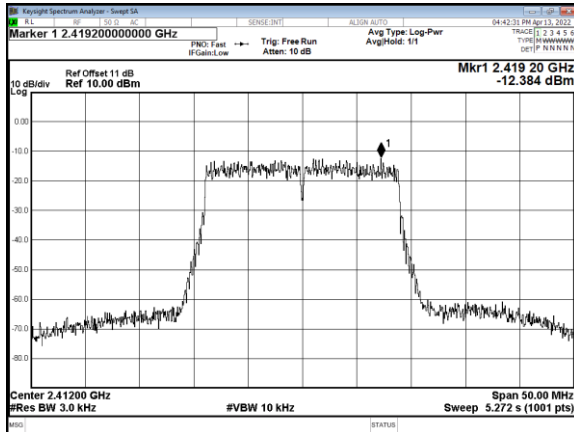
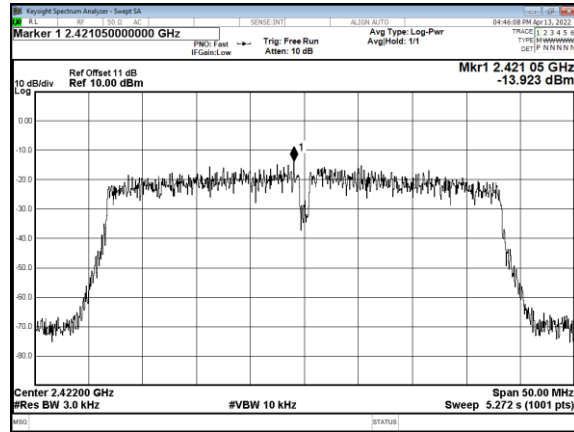


CH11

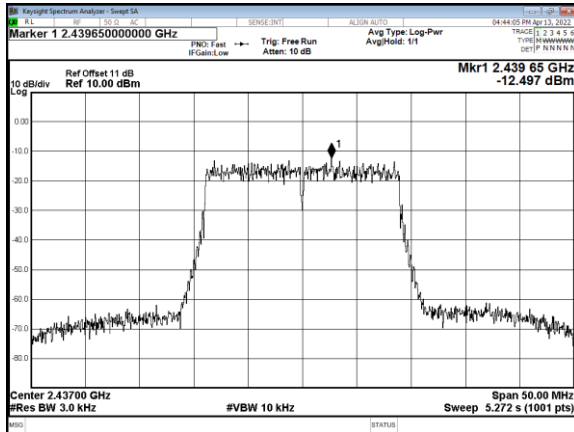


CH11

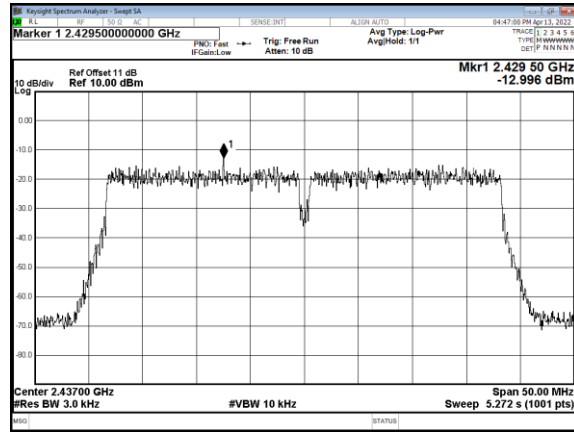


Modulation Type: 802.11n HT20
CH01Modulation Type: 802.11n HT40
CH03

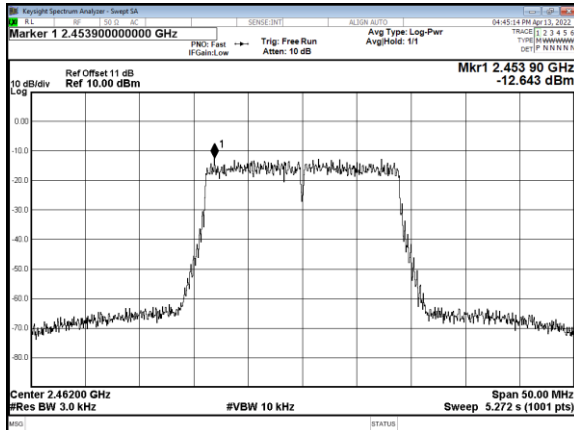
CH06



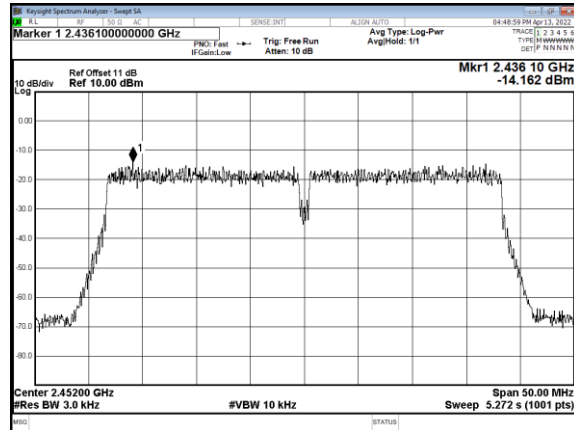
CH06

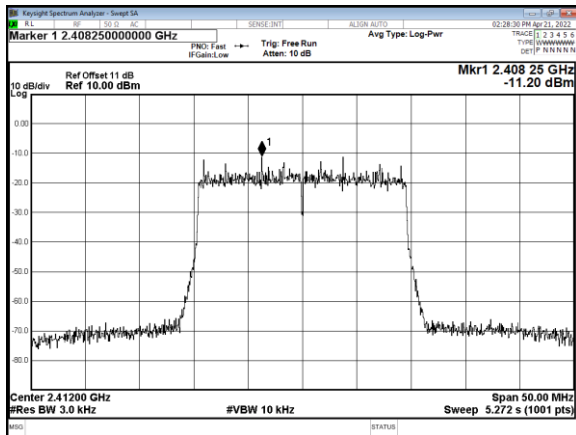
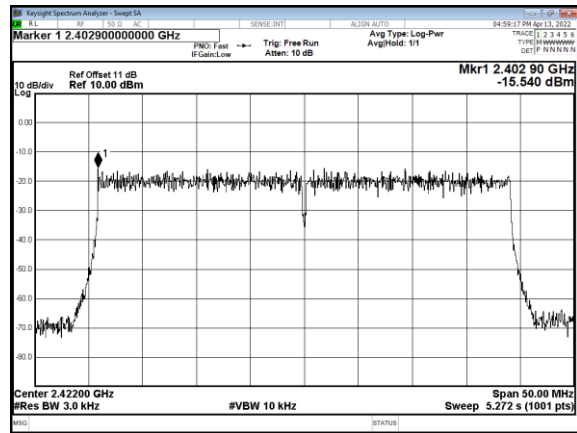


CH11

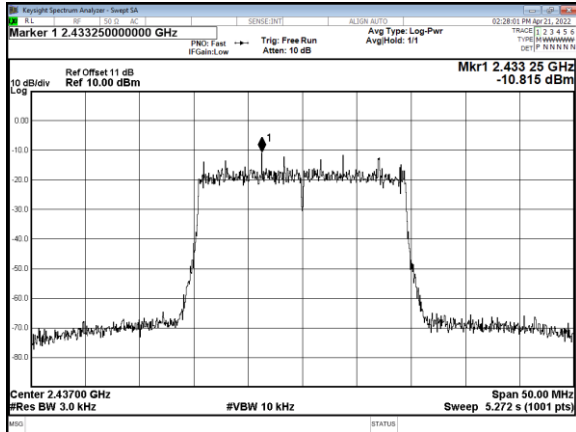


CH09

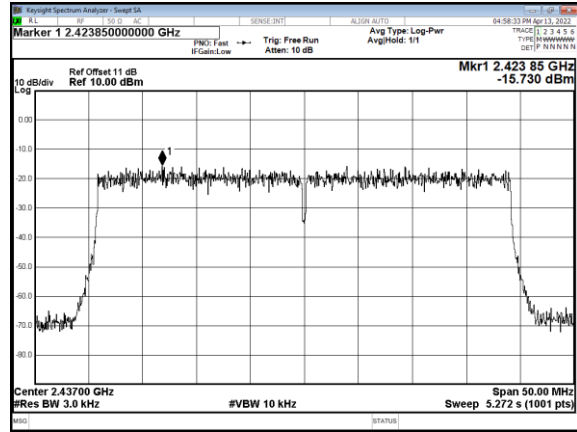


Modulation Type: 802.11ax HE20
CH01Modulation Type: 802.11ax HE40
CH03

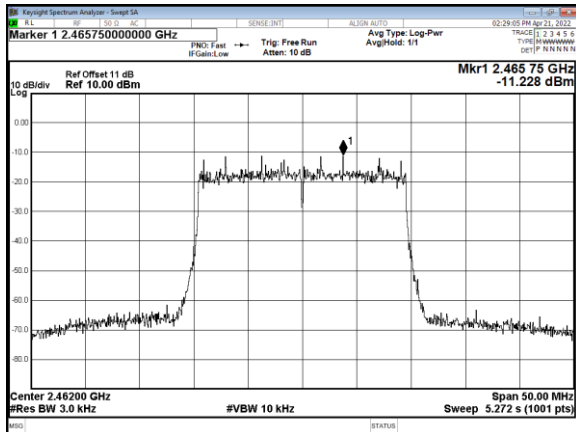
CH06



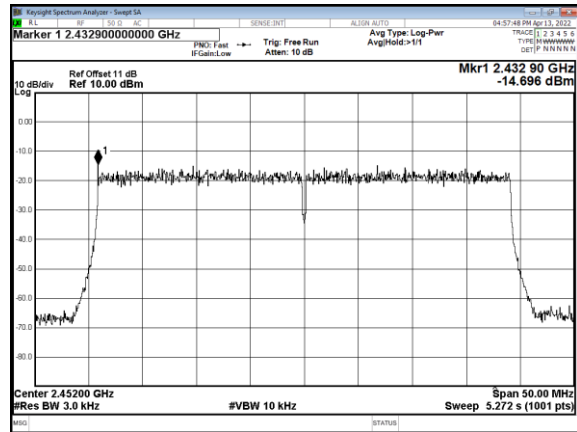
CH06



CH11

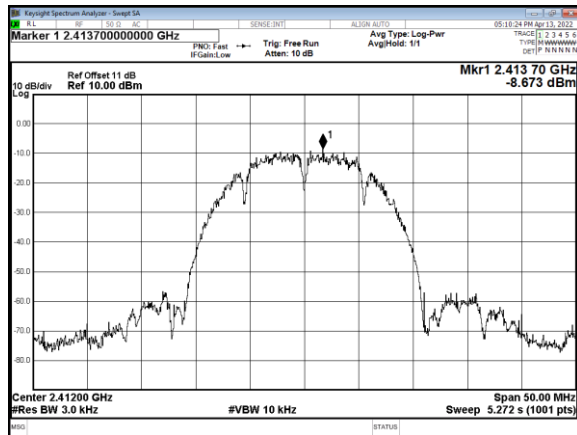
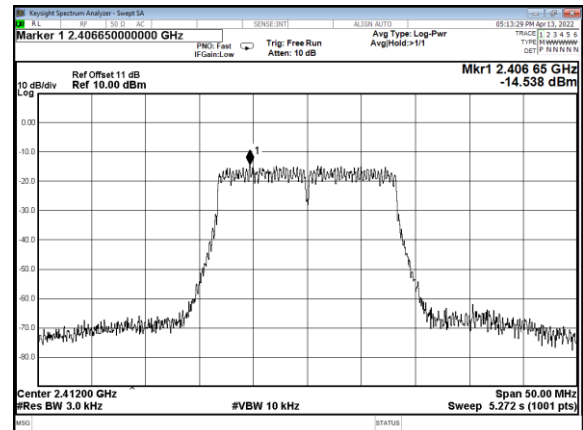


CH09

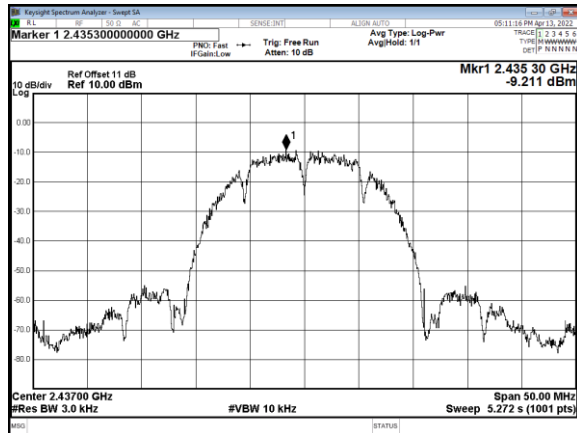




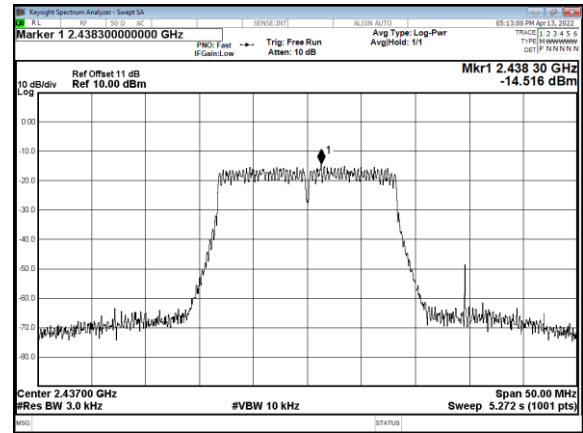
MIMO (ANT B)

Modulation Type: 802.11b
CH01Modulation Type: 802.11g
CH01

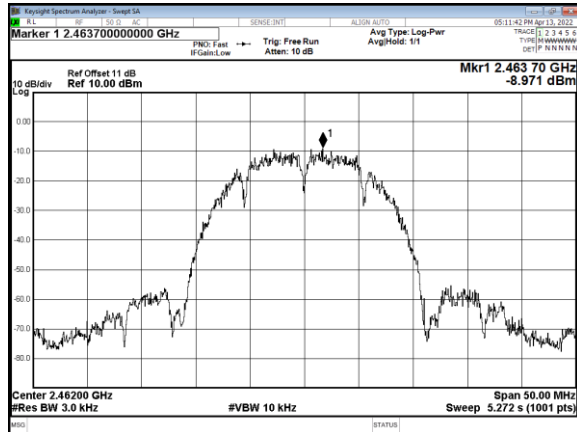
CH06



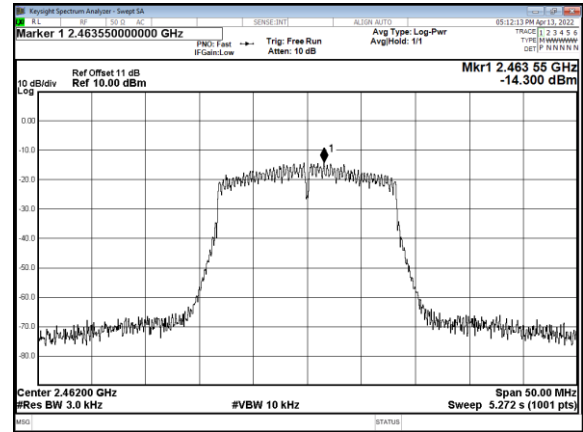
CH06

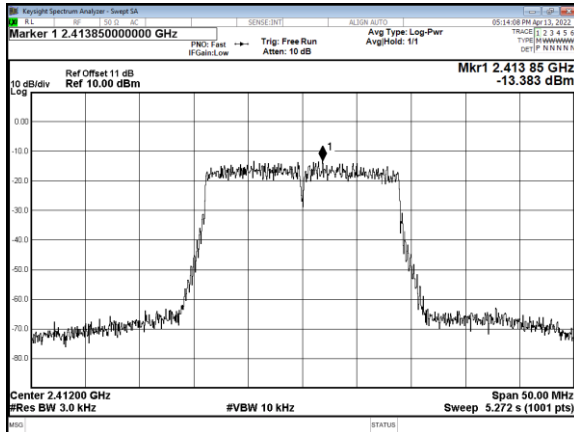
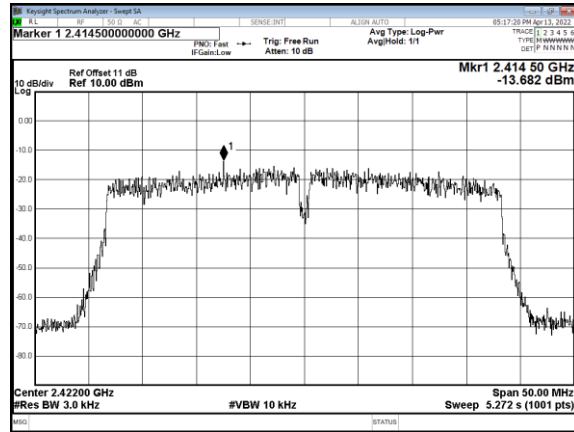


CH11

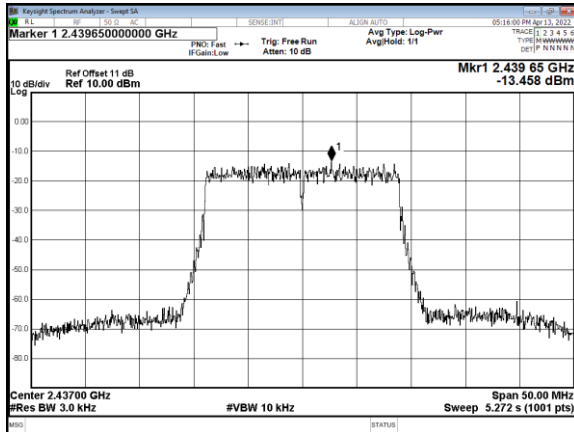


CH11

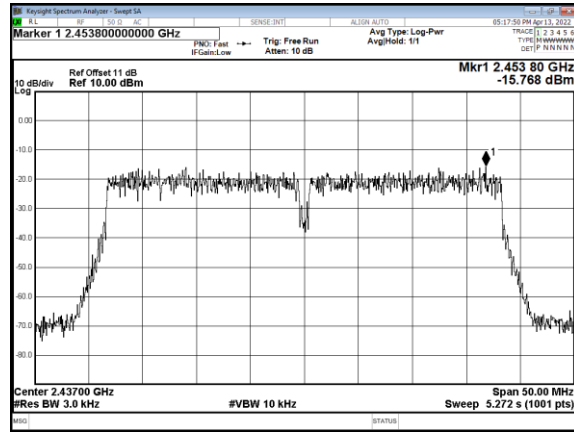


Modulation Type: 802.11n HT20
CH01Modulation Type: 802.11n HT40
CH03

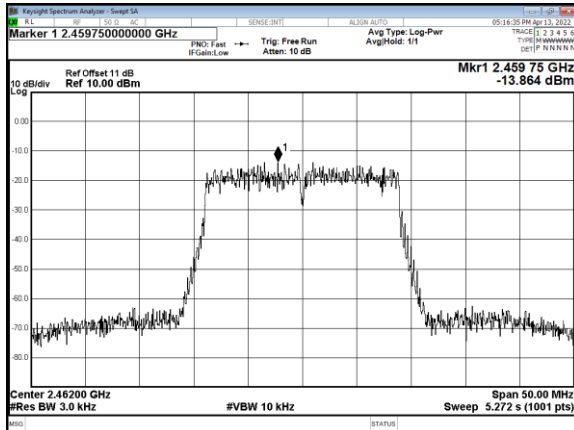
CH06



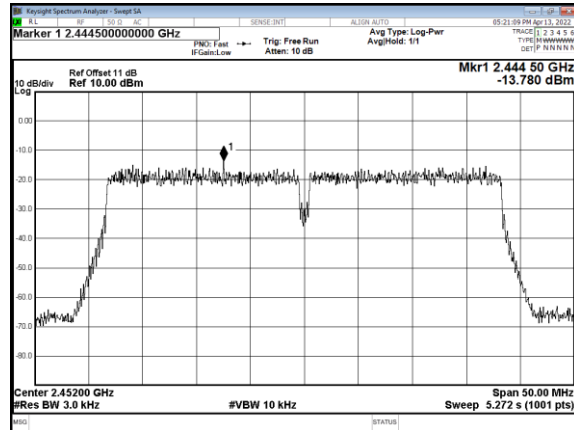
CH06

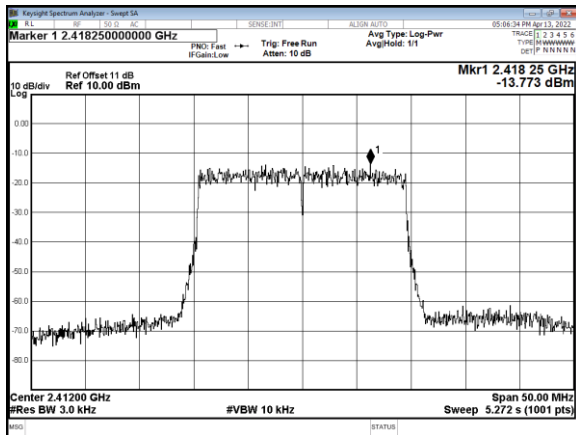
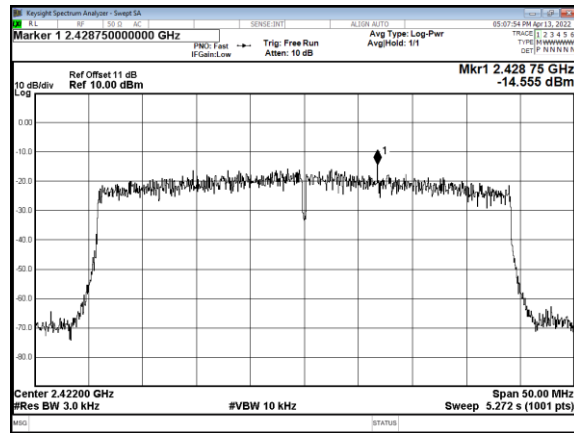


CH11

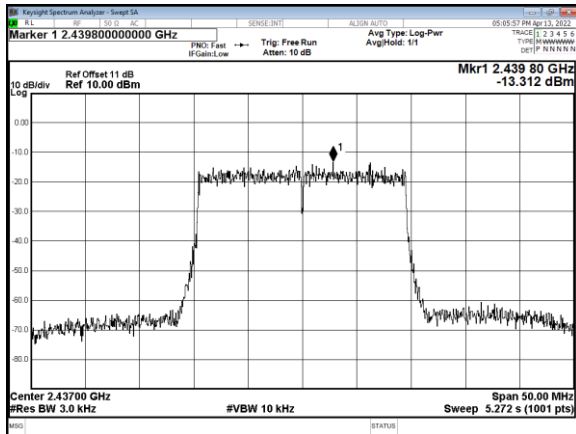


CH09

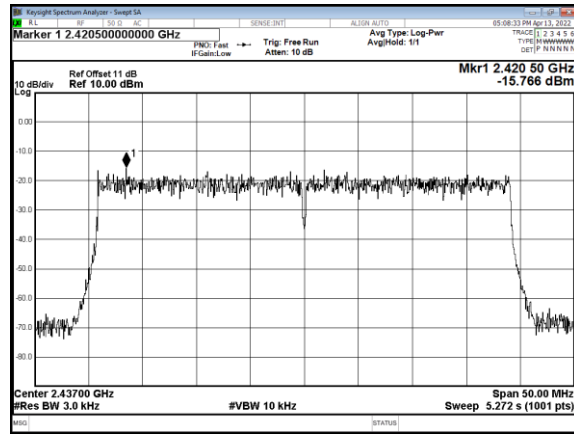


Modulation Type: 802.11ax HE20
CH01Modulation Type: 802.11ax HE40
CH03

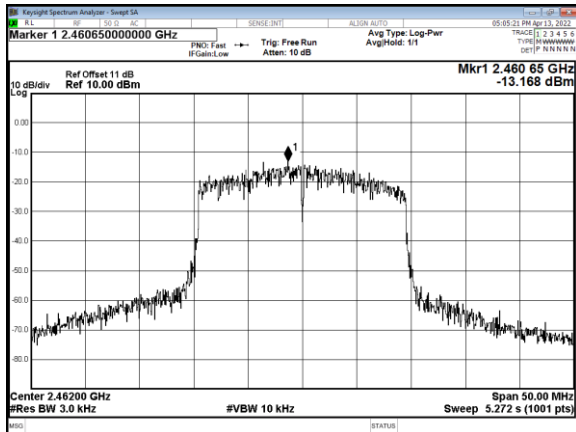
CH06



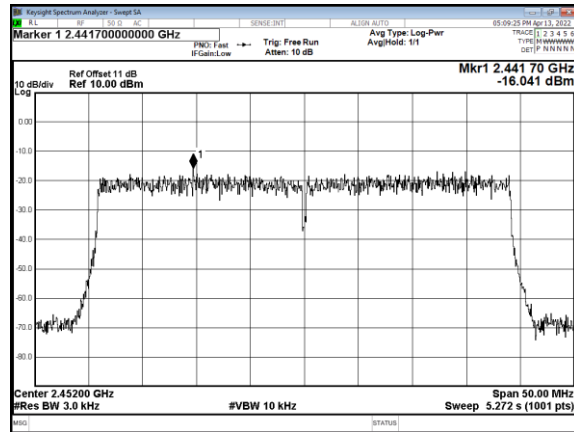
CH06



CH11



CH09



----- End of the report -----