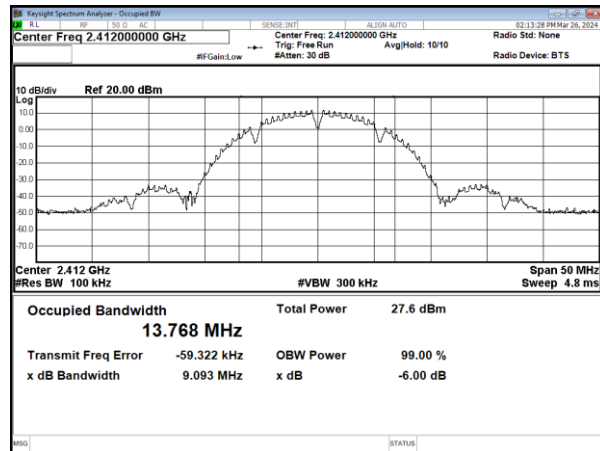
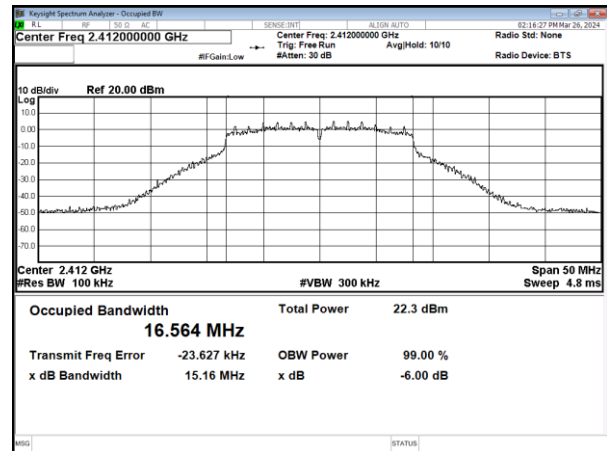
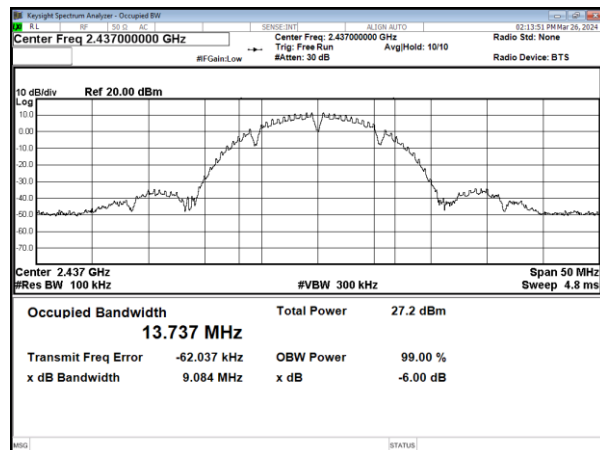
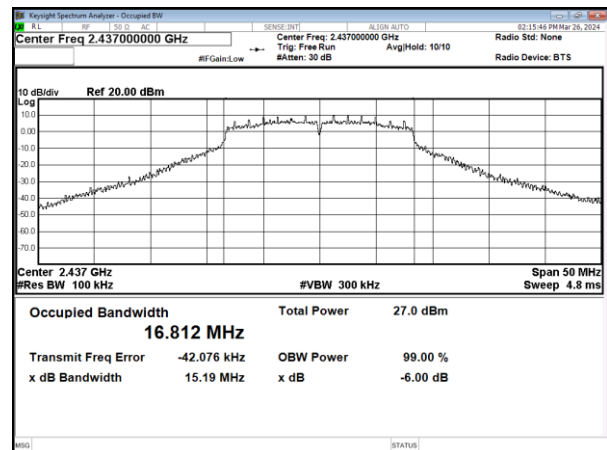
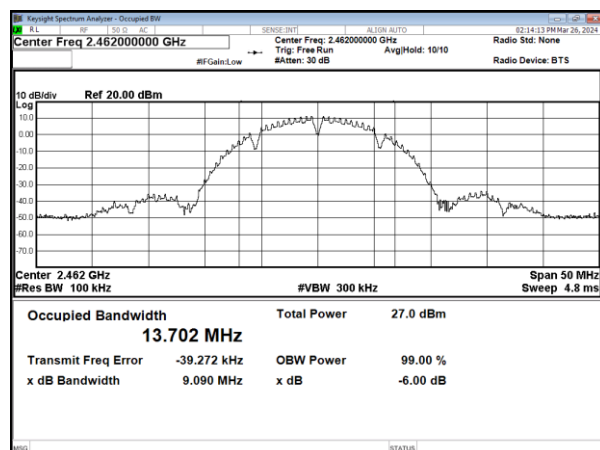
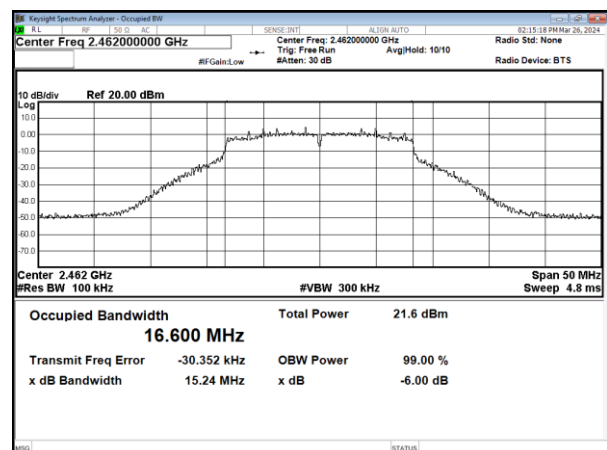
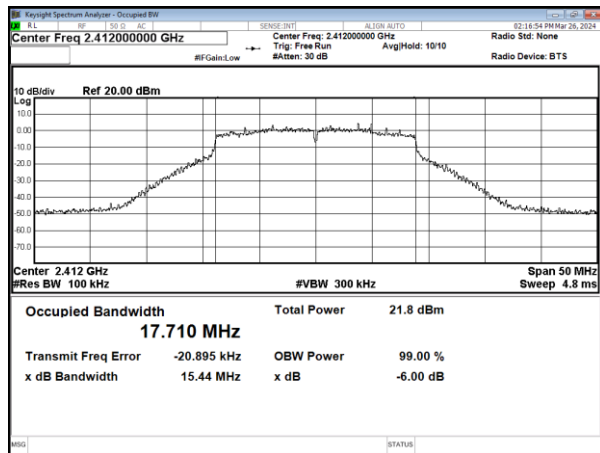
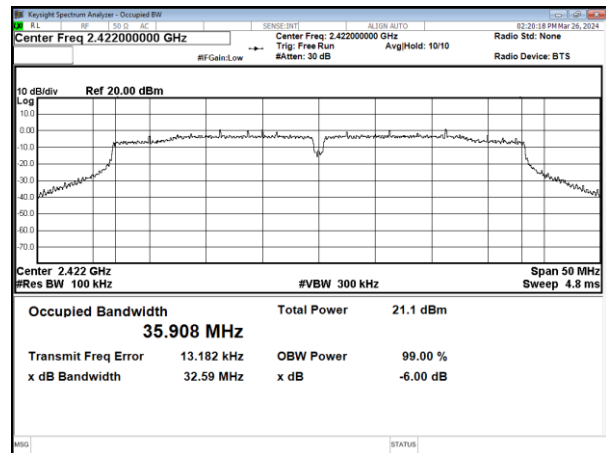
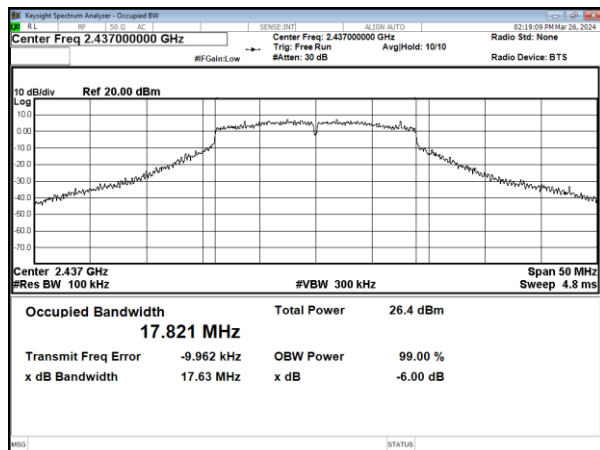


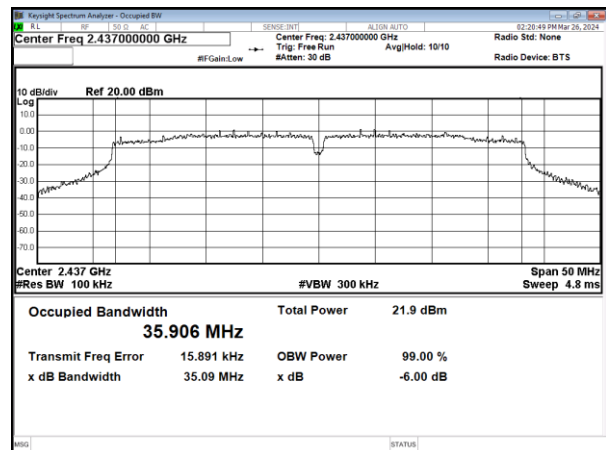
**Antenna A**Modulation Type: 802.11b
CH01Modulation Type: 802.11g
CH01**CH06****CH06****CH11****CH11**

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

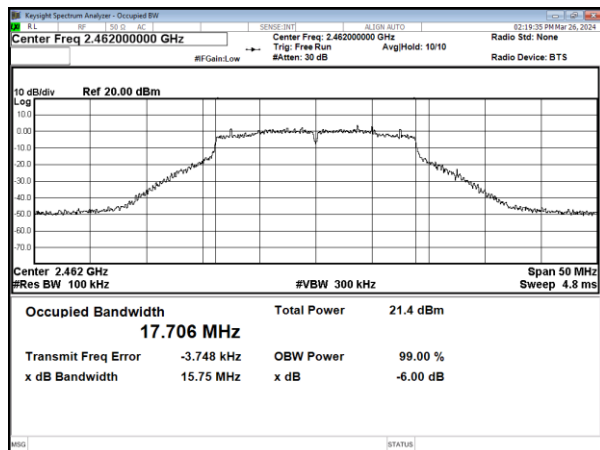
CH06



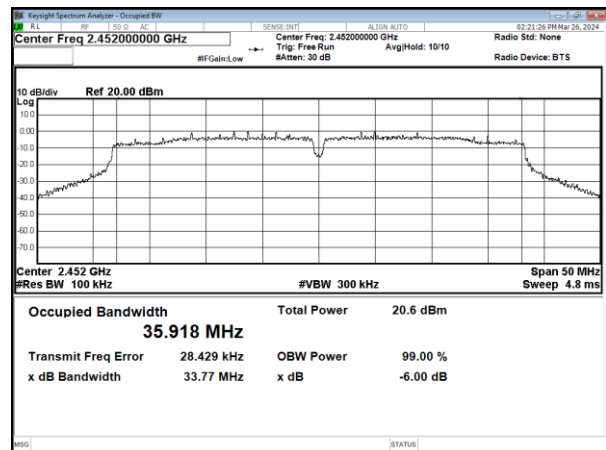
CH06

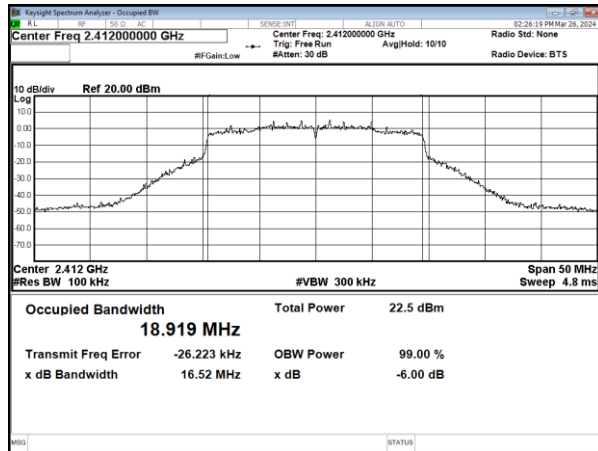
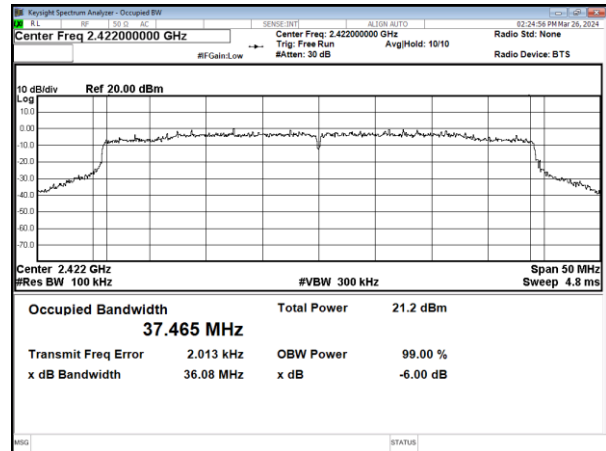


CH11

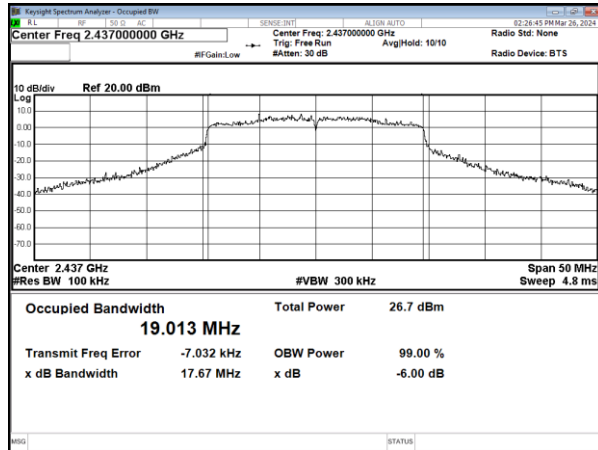


CH09

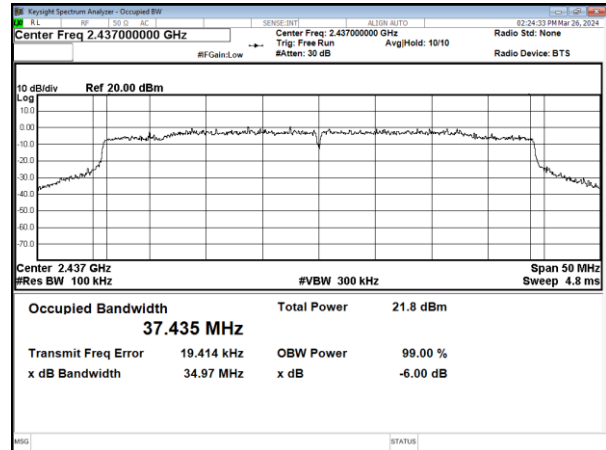


Modulation Type: IEEE 802.11ax HE20
CH01Modulation Type: IEEE 802.11ax HE40
CH03

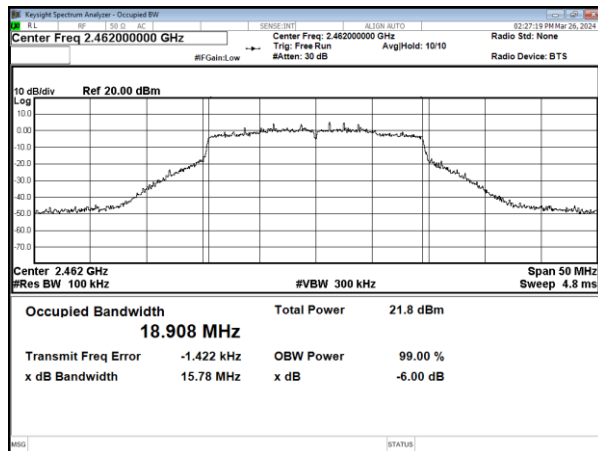
CH06



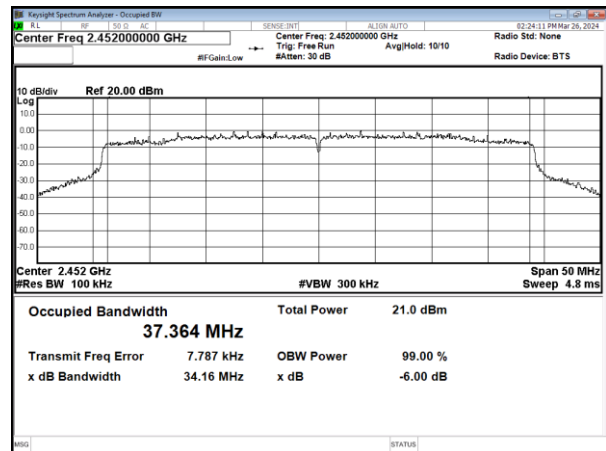
CH06

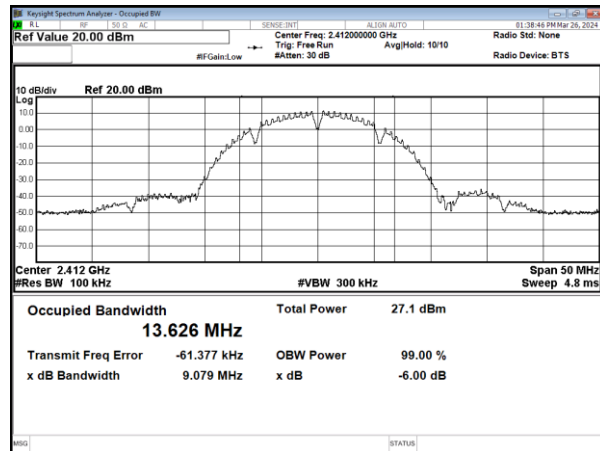
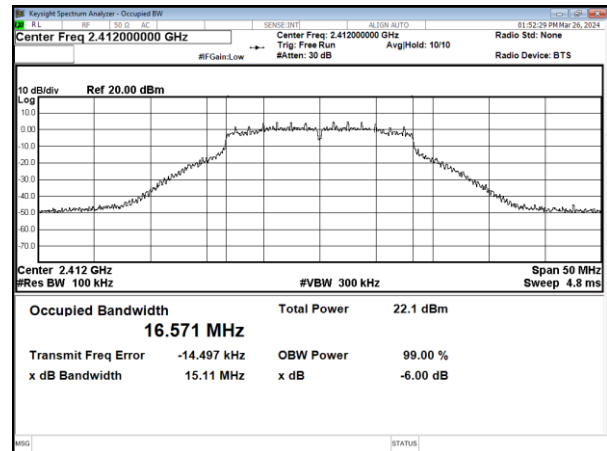
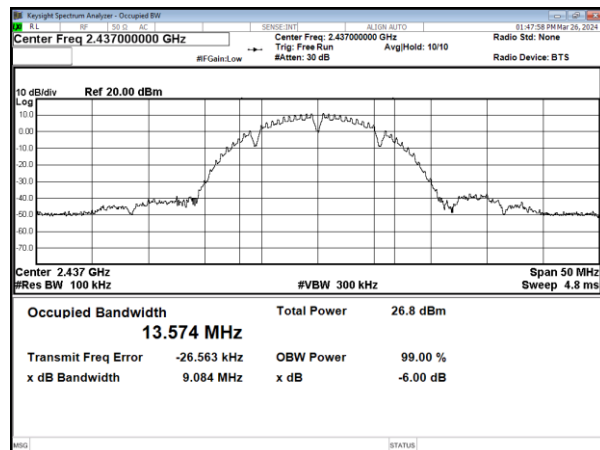
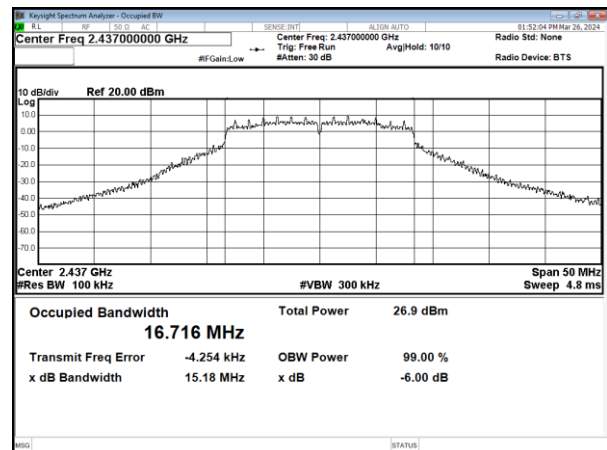
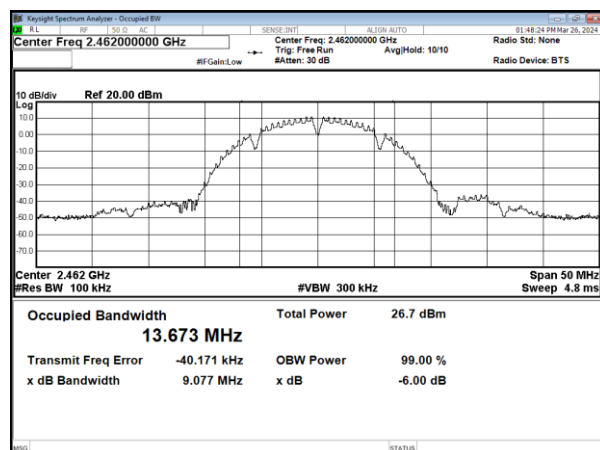
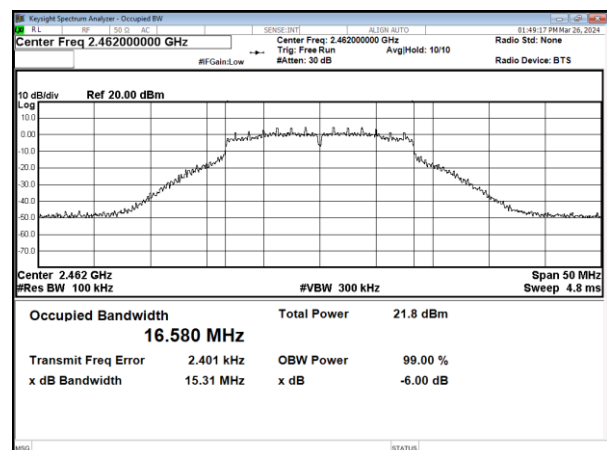


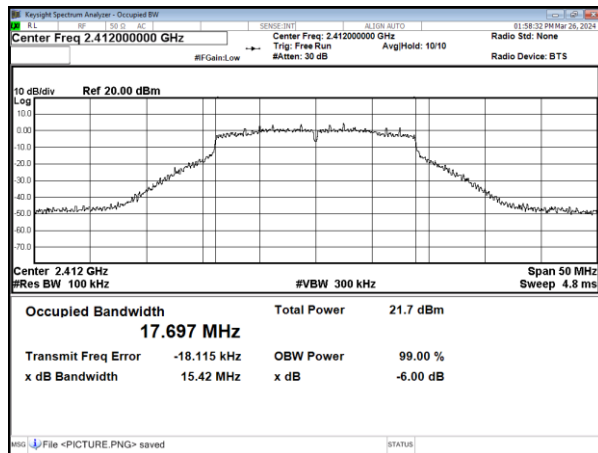
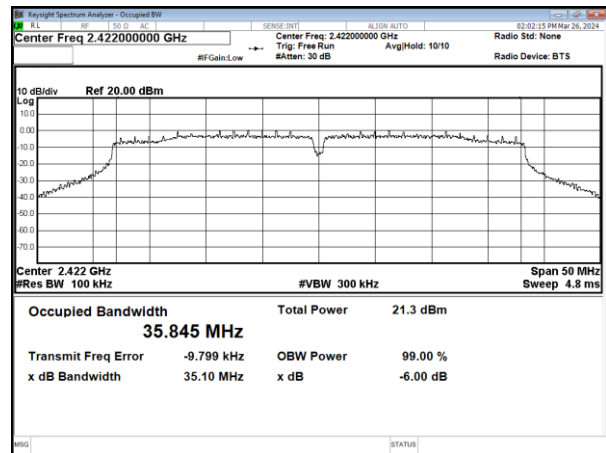
CH11



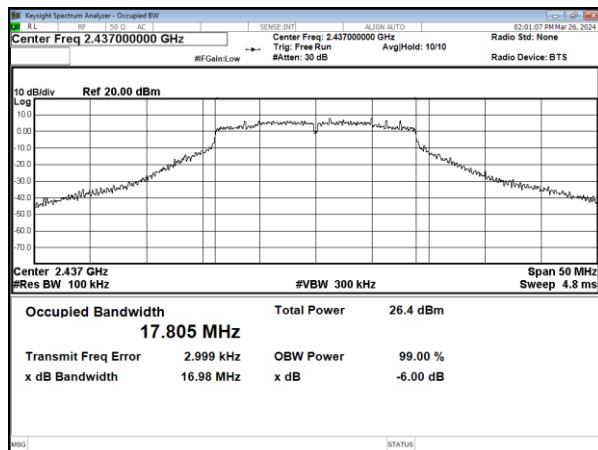
CH09



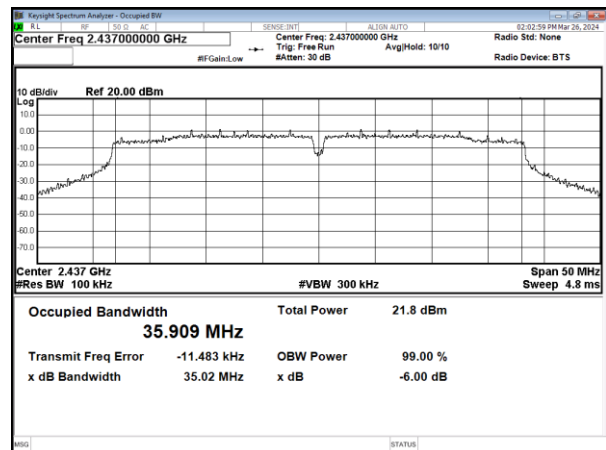
**Antenna B**Modulation Type: 802.11b
CH01Modulation Type: 802.11g
CH01**CH06****CH06****CH11****CH11**

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

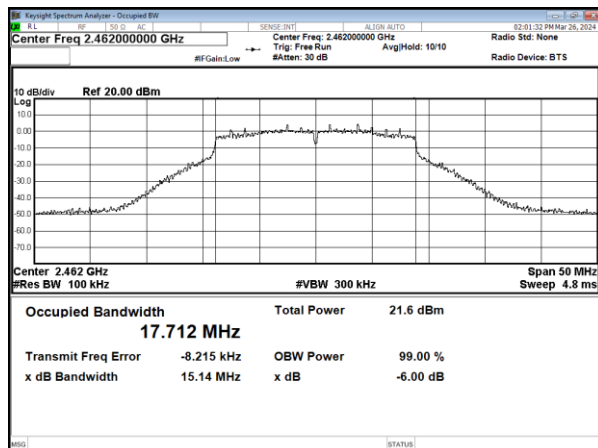
CH06



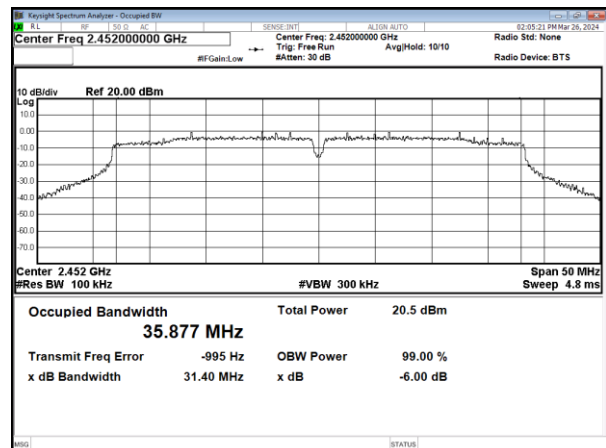
CH06



CH11

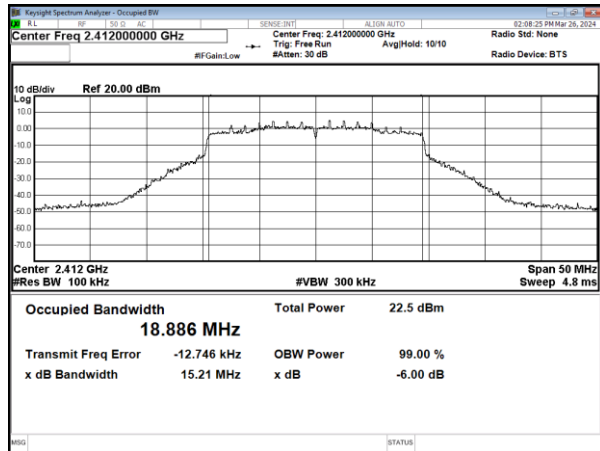


CH09

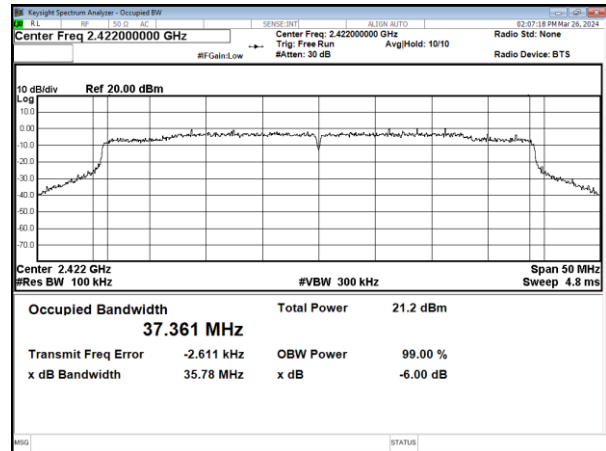




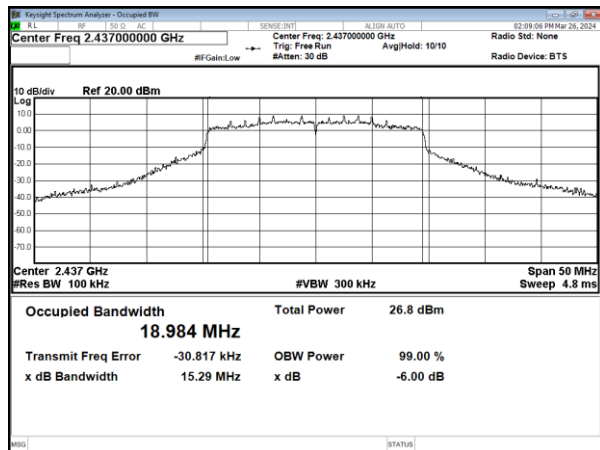
Modulation Type: IEEE 802.11ax HE20
CH01



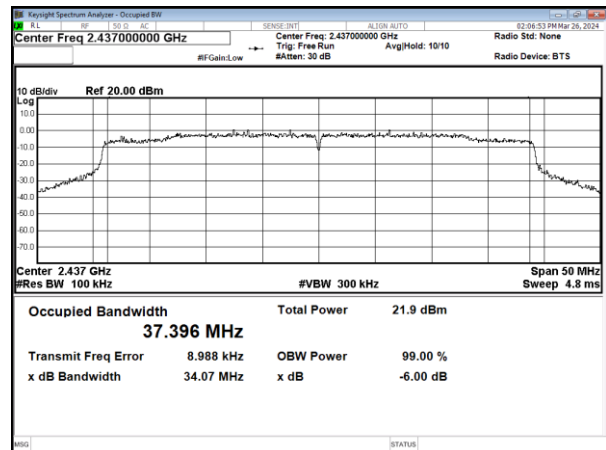
Modulation Type: IEEE 802.11ax HE40
CH03



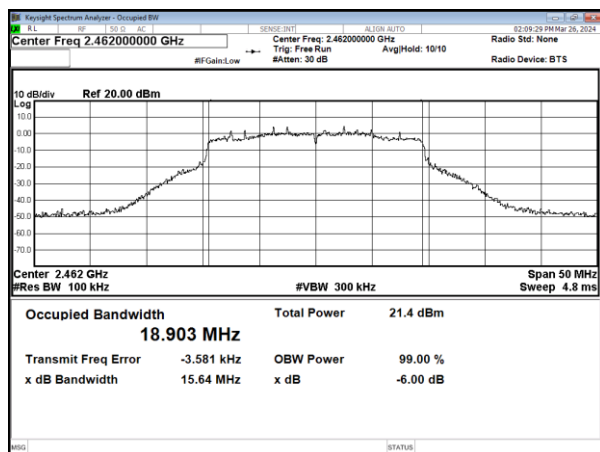
CH06



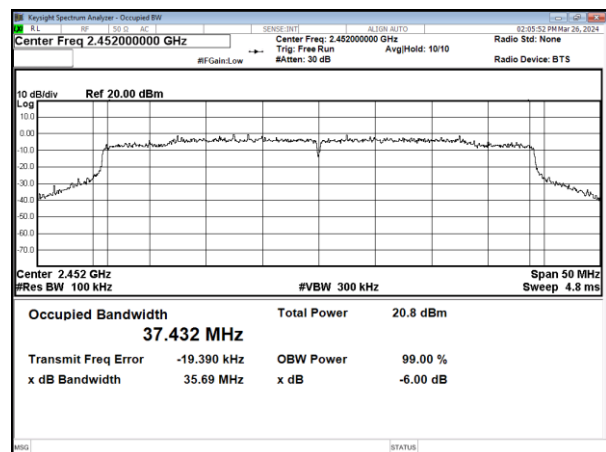
CH06



CH11



CH09





10. Maximum Peak Output Power

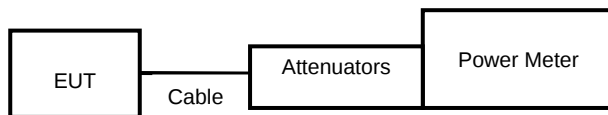
10.1 Test Limit

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**

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	23.080	22.610	25.86	385.478	30.00
	6	2437	22.690	22.370	25.54	358.096	30.00
	11	2462	22.490	22.380	25.45	350.752	30.00
11g	1	2412	22.610	22.260	25.45	350.752	30.00
	6	2437	26.870	26.150	29.54	899.498	30.00
	11	2462	22.190	22.060	25.14	326.588	30.00
11n HT20	1	2412	22.340	22.220	25.29	338.065	30.00
	6	2437	26.630	26.090	29.38	866.962	30.00
	11	2462	21.850	22.050	24.96	313.329	30.00
11n HT40	3	2422	21.660	21.730	24.71	295.801	30.00
	6	2437	22.490	22.490	25.50	354.813	30.00
	9	2452	21.580	21.260	24.43	277.332	30.00
802.11ax HE20	1	2412	22.890	22.210	25.57	360.579	30.00
	6	2437	26.500	26.490	29.51	893.305	30.00
	11	2462	22.850	22.440	25.66	368.129	30.00
802.11ax HE40	3	2422	22.410	22.050	25.24	334.195	30.00
	6	2437	23.470	22.950	26.23	419.759	30.00
	9	2452	22.040	21.920	24.99	315.500	30.00



11. Power Spectral Density

11.1 Test Limit

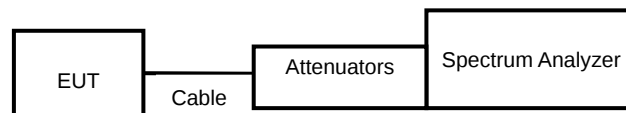
The Maximum of Power Spectral Density Measurement is 8dBm.

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



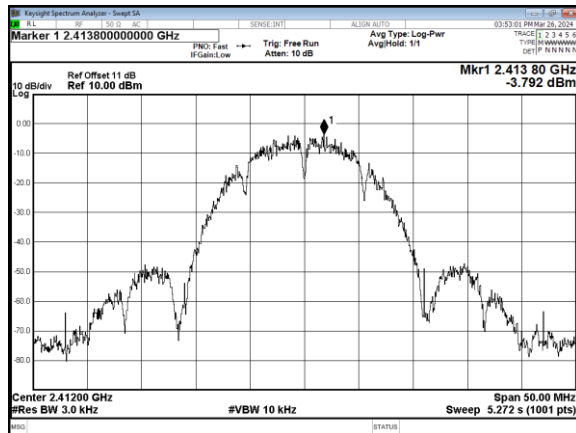


11.4 Test Result and Data

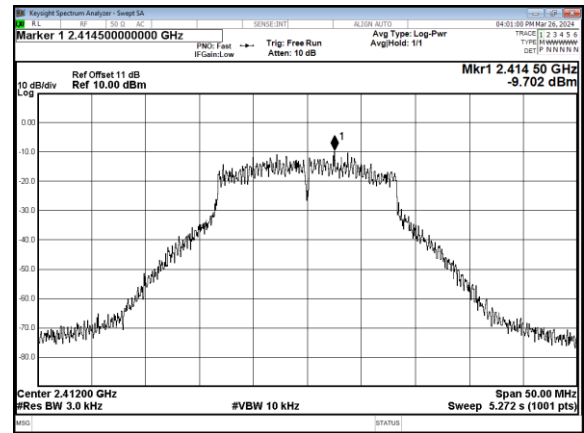
Modulation Type	Channel	Frequency (MHz)	Maximum Power Density of 3KHz Bandwidth(dBm)		Sum chain (dBm)	Limit (dBm)
			ANT A	ANT B		
11b	1	2412	-3.792	-3.956	-0.86	8.00
	6	2437	-3.753	-3.962	-0.85	8.00
	11	2462	-3.236	-4.828	-0.95	8.00
11g	1	2412	-9.702	-11.014	-7.30	8.00
	6	2437	-5.402	-5.77	-2.57	8.00
	11	2462	-11.105	-11.249	-8.17	8.00
11n HT20	1	2412	-11.801	-11.446	-8.61	8.00
	6	2437	-6.615	-5.695	-3.12	8.00
	11	2462	-11.196	-11.803	-8.48	8.00
11n HT40	3	2422	-14.022	-12.466	-10.16	8.00
	6	2437	-13.215	-13.558	-10.37	8.00
	9	2452	-14.624	-15.101	-11.85	8.00
802.11ax HE20	1	2412	-11.863	-12.885	-9.33	8.00
	6	2437	-6.434	-7.228	-3.80	8.00
	11	2462	-11.721	-12.214	-8.95	8.00
802.11ax HE40	3	2422	-14.94	-14.042	-11.46	8.00
	6	2437	-14.439	-14.771	-11.59	8.00
	9	2452	-15.964	-15.28	-12.60	8.00



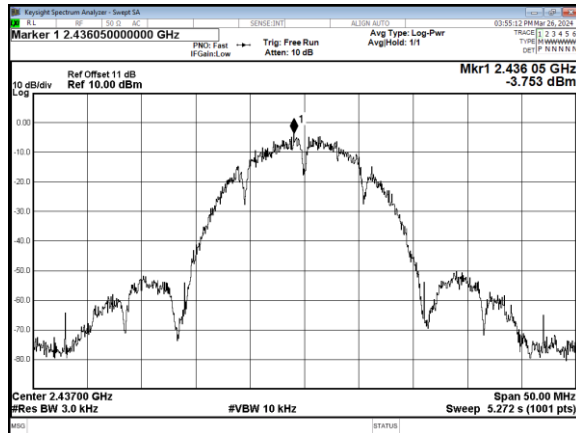
MIMO (ANT A)
Modulation Type: 802.11b
CH01



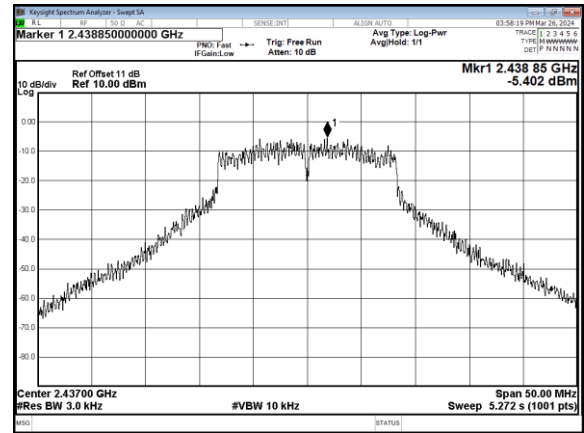
Modulation Type: 802.11g
CH01



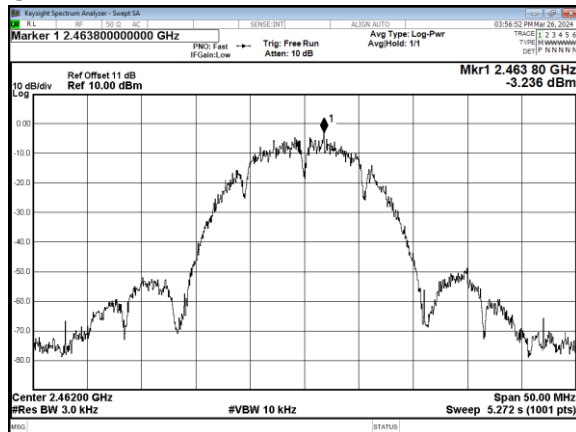
CH06



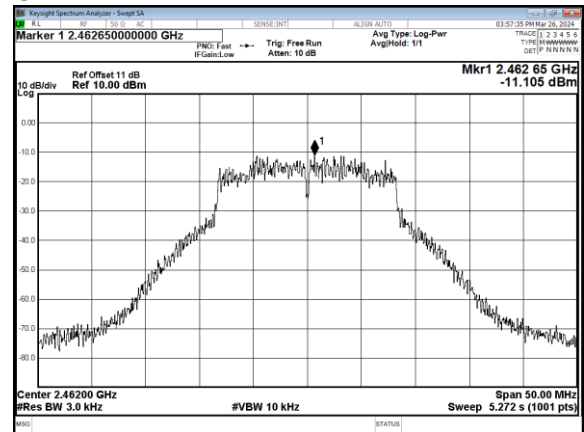
CH06

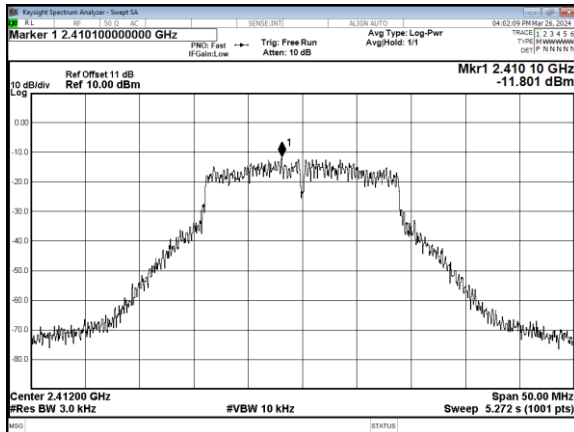
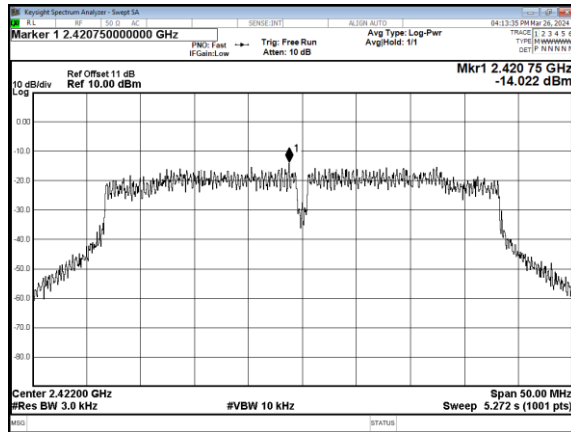


CH11

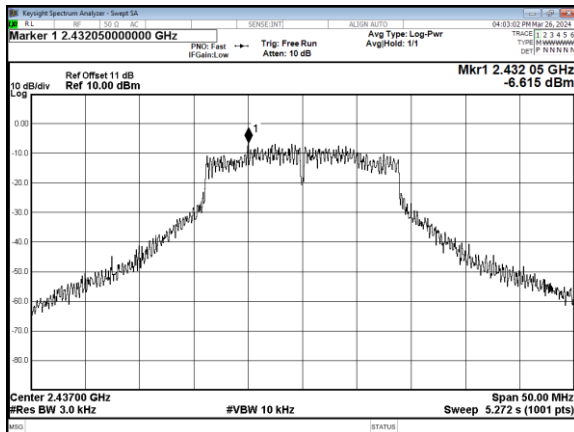


CH11

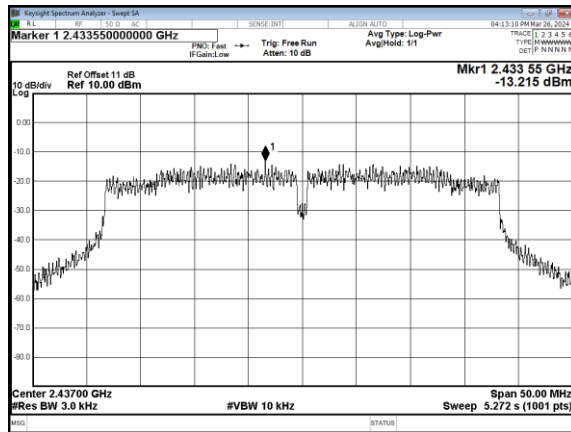


Modulation Type: 802.11n HT20
CH01Modulation Type: 802.11n HT40
CH03

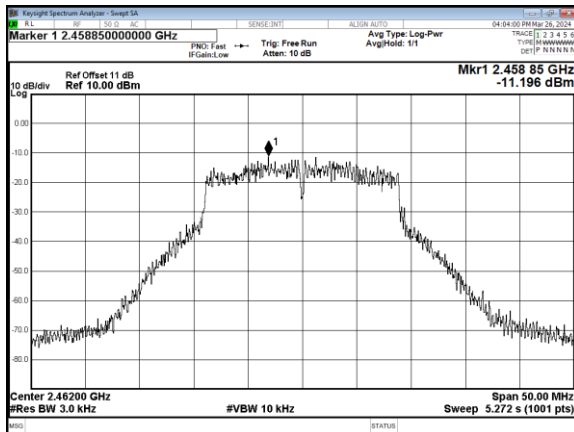
CH06



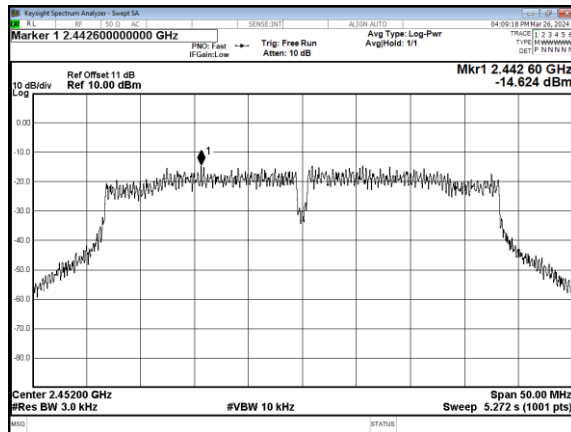
CH06

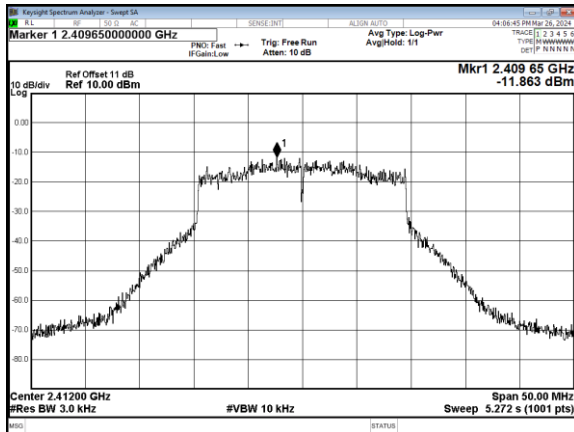
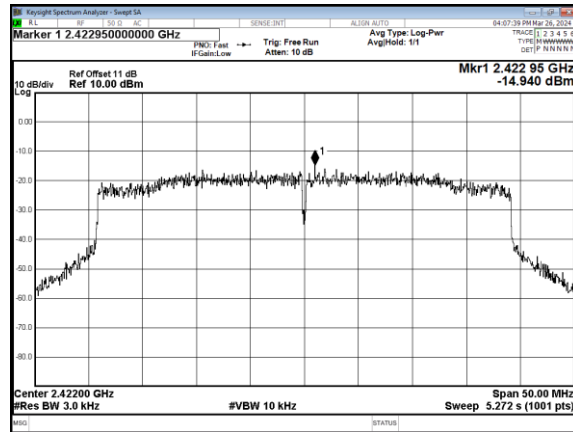


CH11

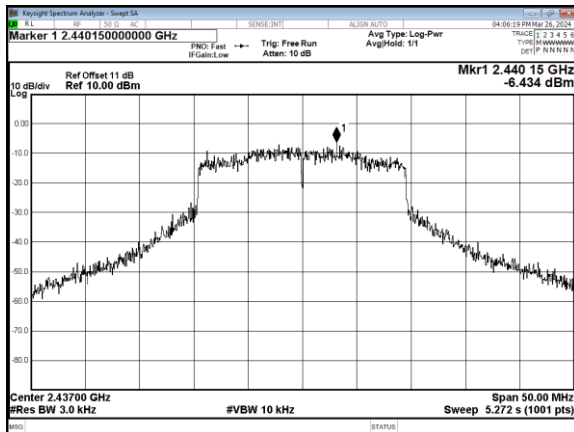


CH09

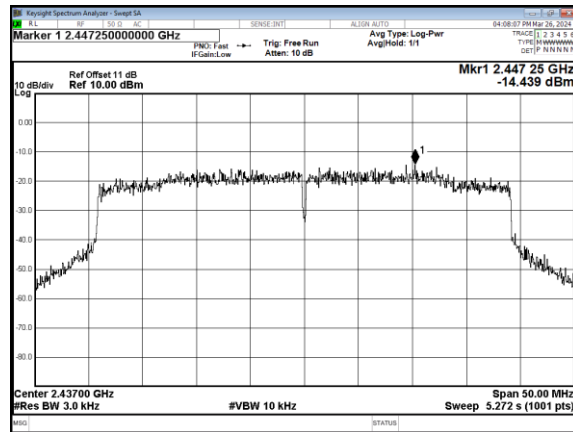


Modulation Type: 802.11ax HE20
CH01Modulation Type: 802.11ax HE40
CH03

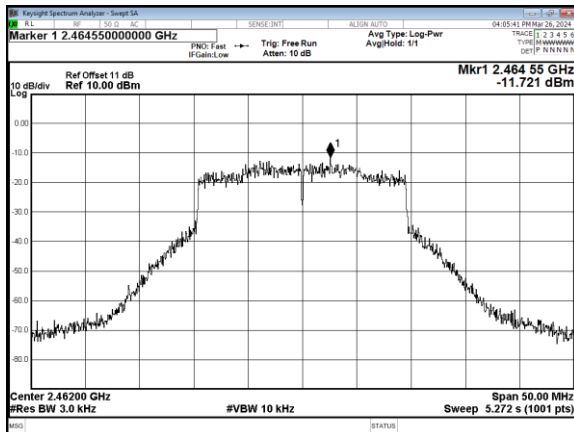
CH06



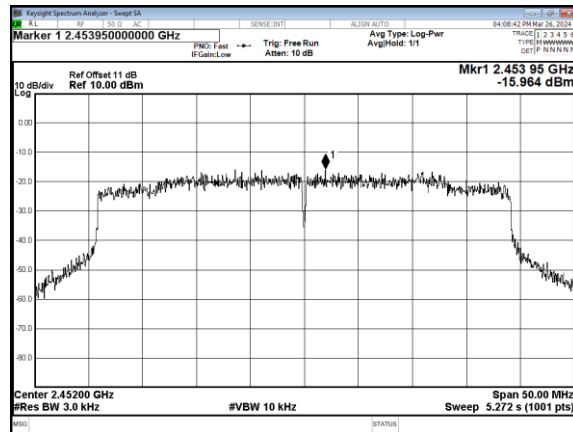
CH06



CH11



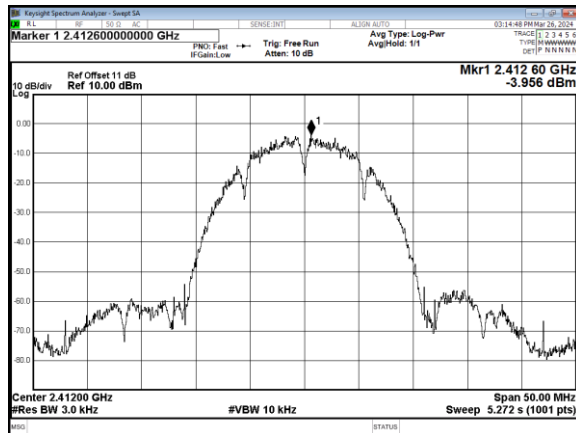
CH09



**MIMO (ANT B)**

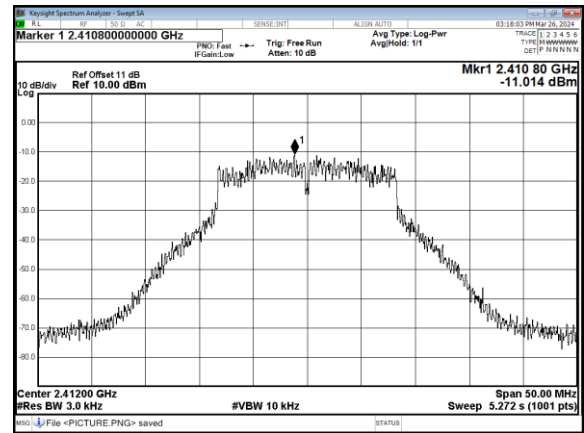
Modulation Type: 802.11b

CH01

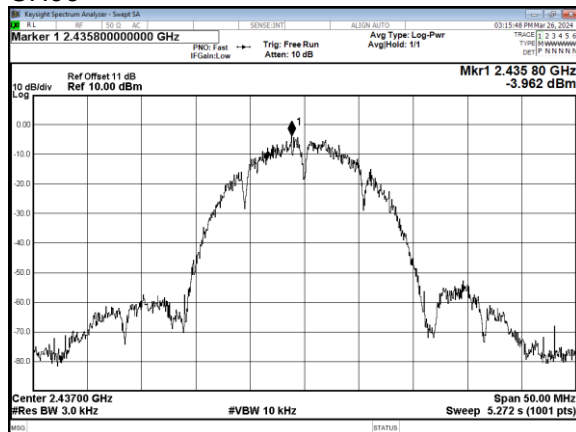


Modulation Type: 802.11g

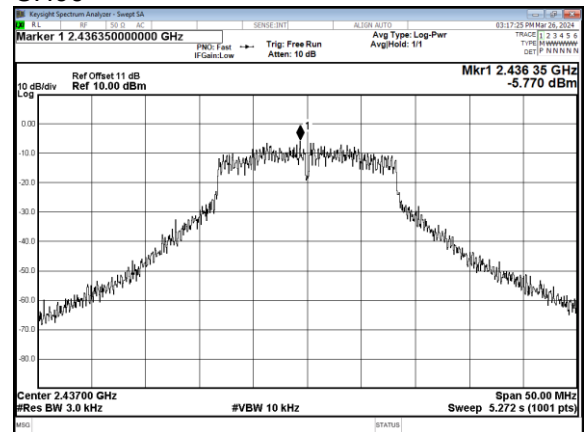
CH01



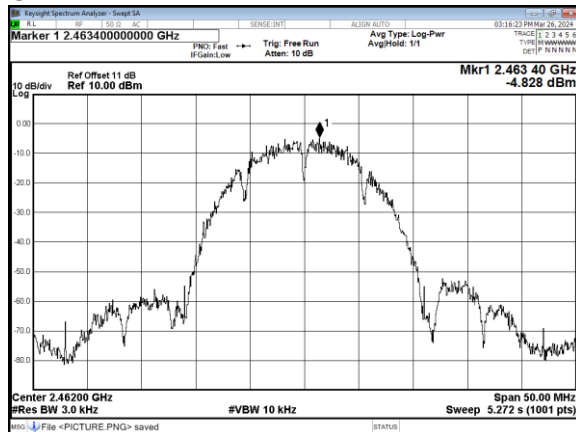
CH06



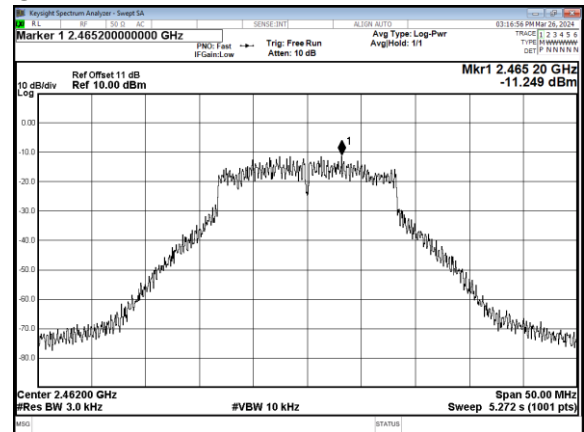
CH06

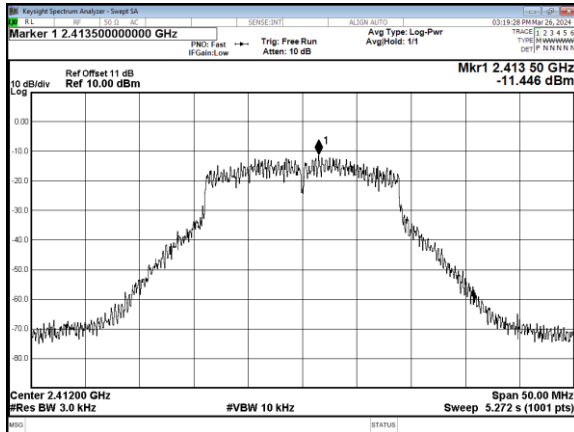
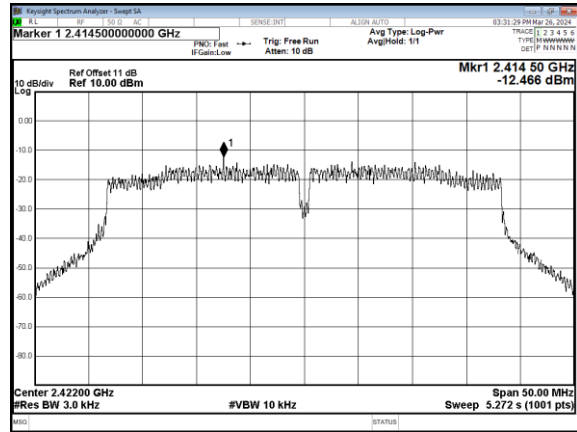


CH11

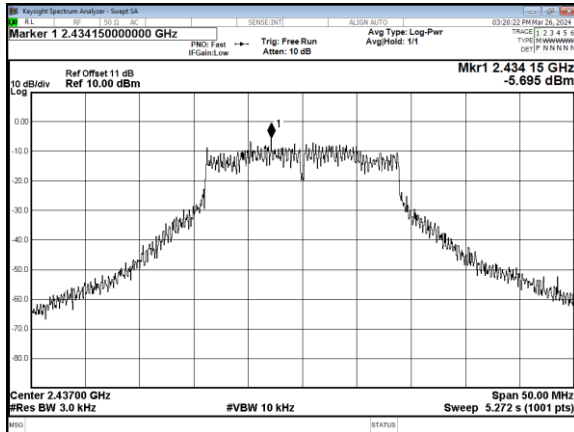


CH11

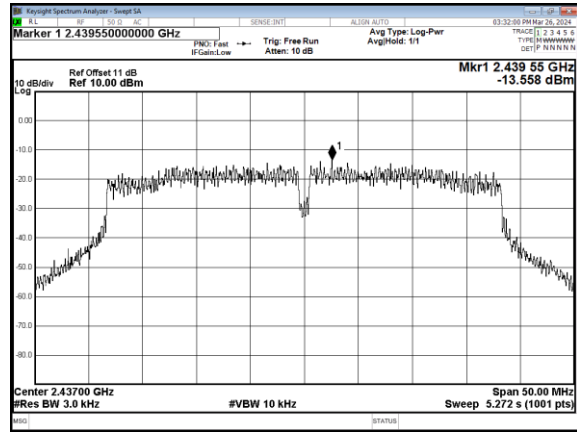


Modulation Type: 802.11n HT20
CH01Modulation Type: 802.11n HT40
CH03

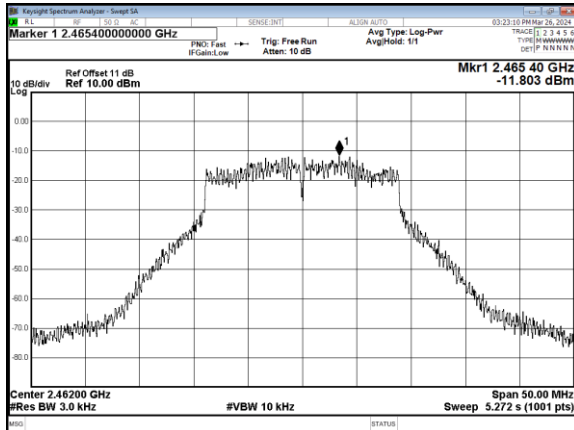
CH06



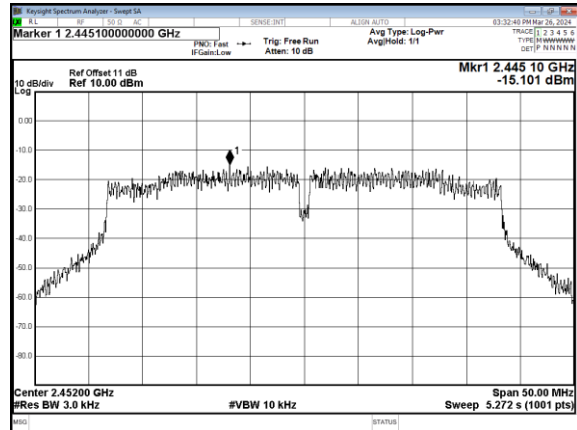
CH06

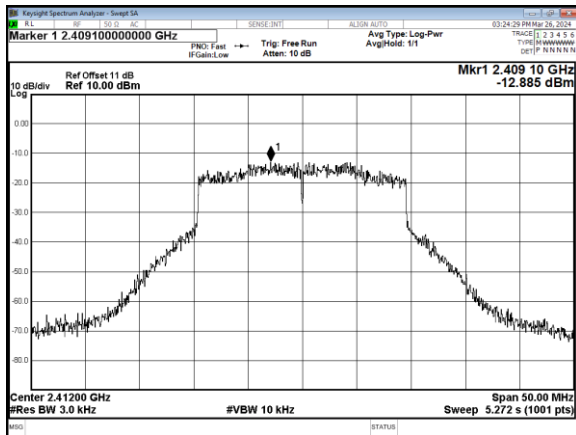
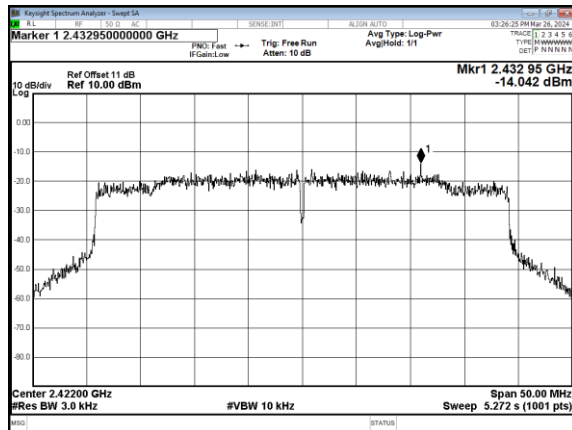


CH11

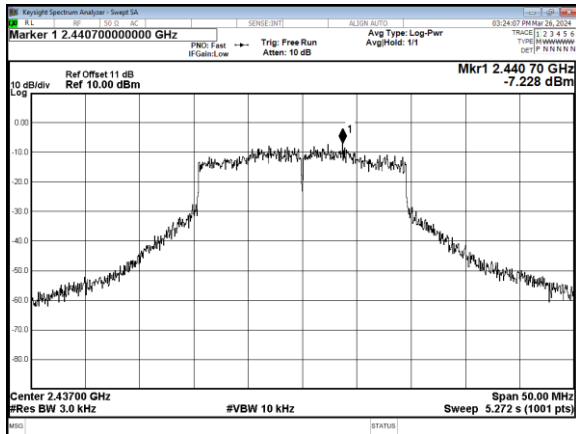


CH09

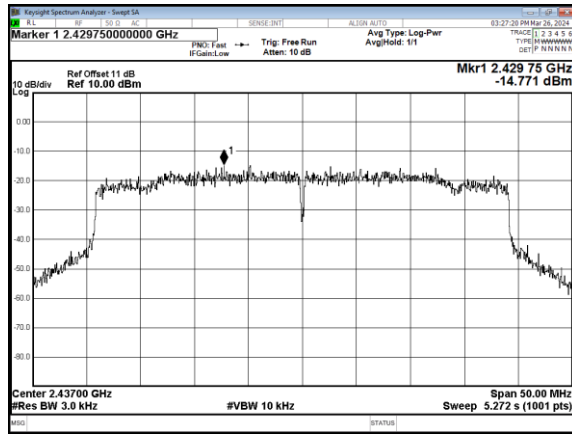


Modulation Type: 802.11ax HE20
CH01Modulation Type: 802.11ax HE40
CH03

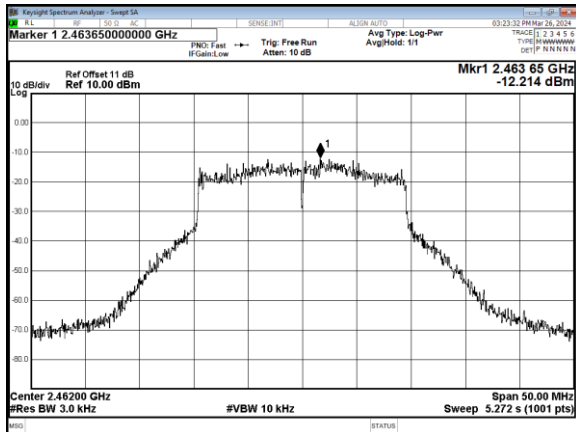
CH06



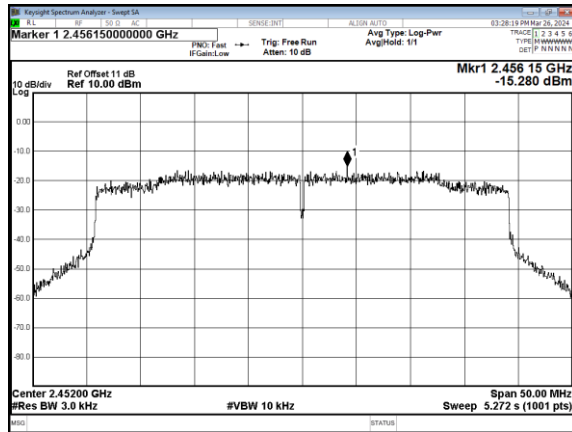
CH06



CH11



CH09



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