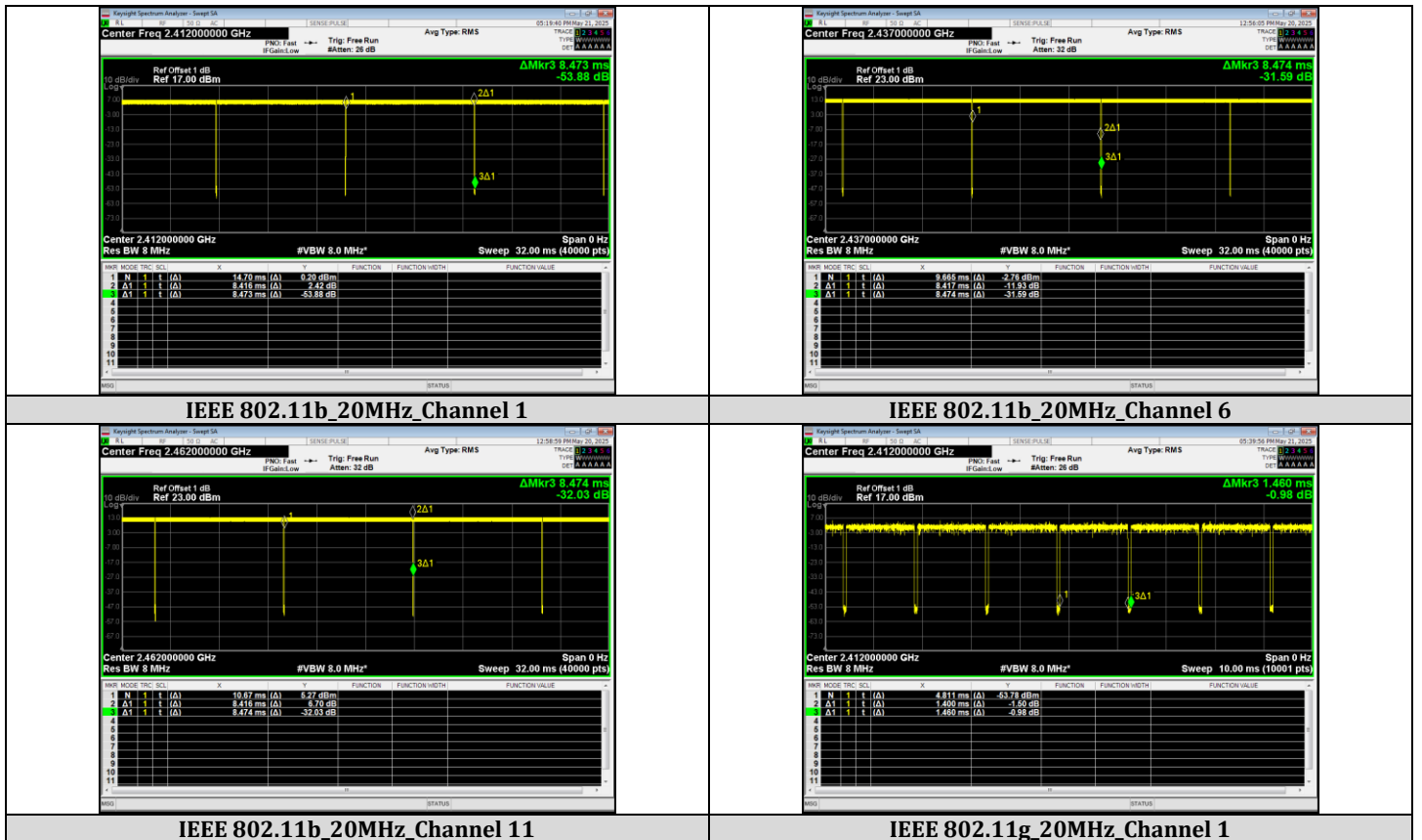


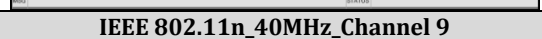
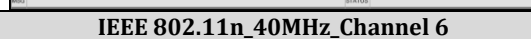
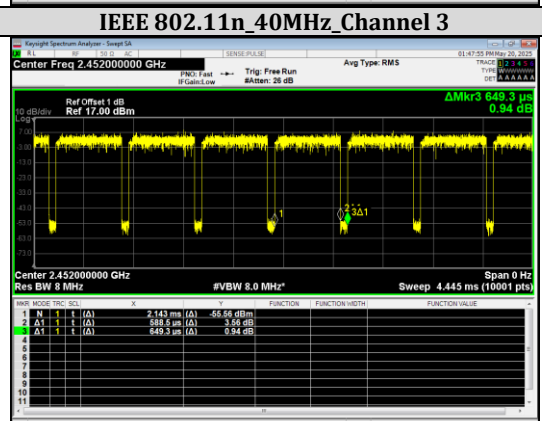
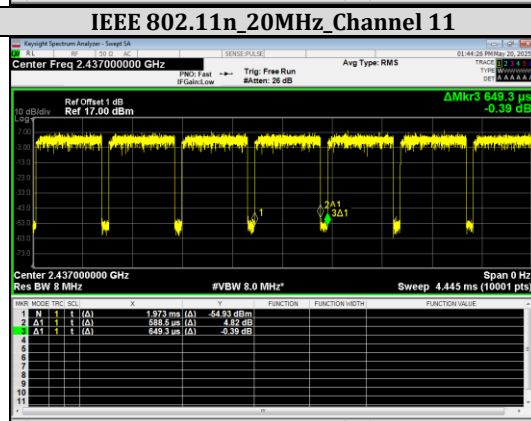
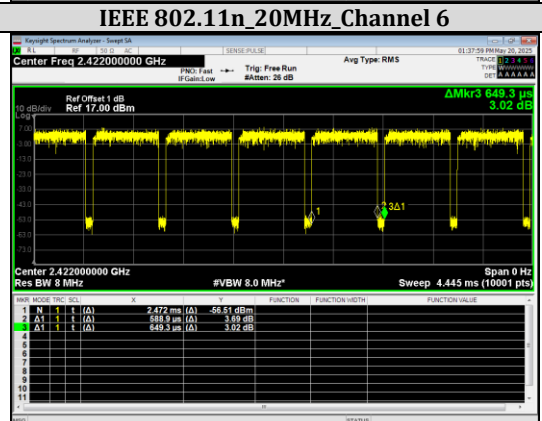
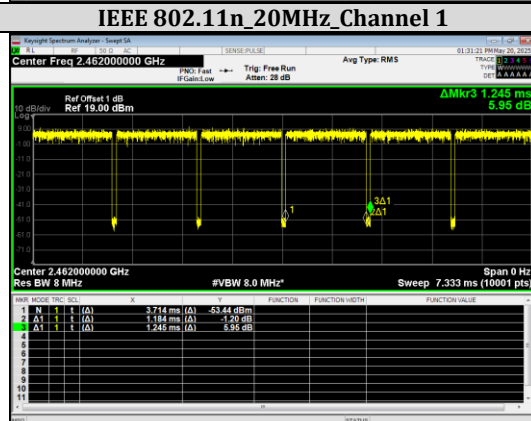
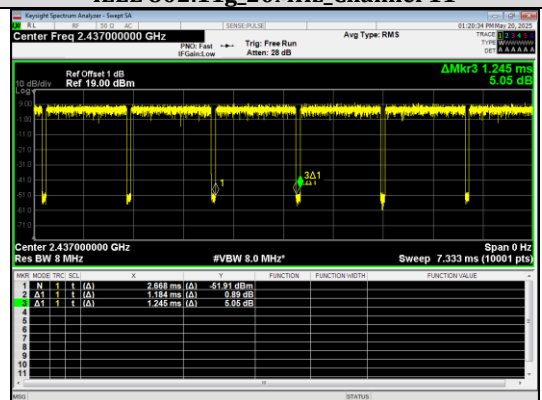
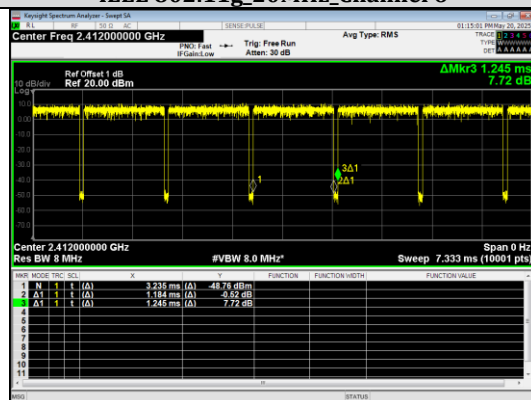
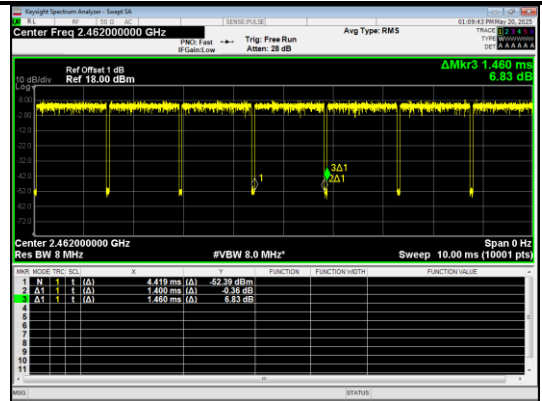
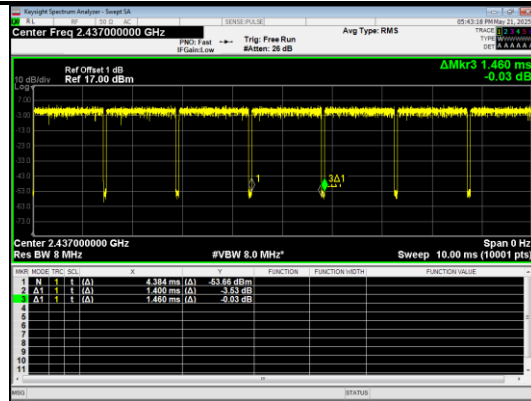
Duty Cycle

Test Result

Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11b	1	1	1	8.416	8.473	99.33	0.9933	0.0292	0.1188
		6		8.417	8.474	99.33	0.9933	0.0292	0.1188
		11		8.416	8.474	99.32	0.9932	0.0296	0.1188
IEEE 802.11g		1		1.400	1.460	95.89	0.9589	0.1823	0.7143
		6		1.400	1.460	95.89	0.9589	0.1823	0.7143
		11		1.400	1.460	95.89	0.9589	0.1823	0.7143
IEEE 802.11n_20	MCS 0	1		1.184	1.245	95.11	0.9511	0.2177	0.8446
		6		1.184	1.245	95.11	0.9511	0.2177	0.8446
		11		1.184	1.245	95.11	0.9511	0.2177	0.8446
IEEE 802.11n_40		3		0.589	0.649	90.69	0.9069	0.4244	1.6978
		6		0.588	0.649	90.62	0.9062	0.4278	1.7007
		9		0.588	0.649	90.62	0.9062	0.4278	1.7007

Test Graphs





Conducted Peak Output Power

Test Result

Conducted Output Power

Mode	Channel	Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11b	1	8.45	≤30	PASS
	6	5.74	≤30	PASS
	11	5.93	≤30	PASS
IEEE 802.11g	1	9.26	≤30	PASS
	6	8.86	≤30	PASS
	11	8.08	≤30	PASS
IEEE 802.11n_20	1	9.01	≤30	PASS
	6	9.30	≤30	PASS
	11	8.43	≤30	PASS
IEEE 802.11n_40	3	9.30	≤30	PASS
	6	9.06	≤30	PASS
	9	9.12	≤30	PASS

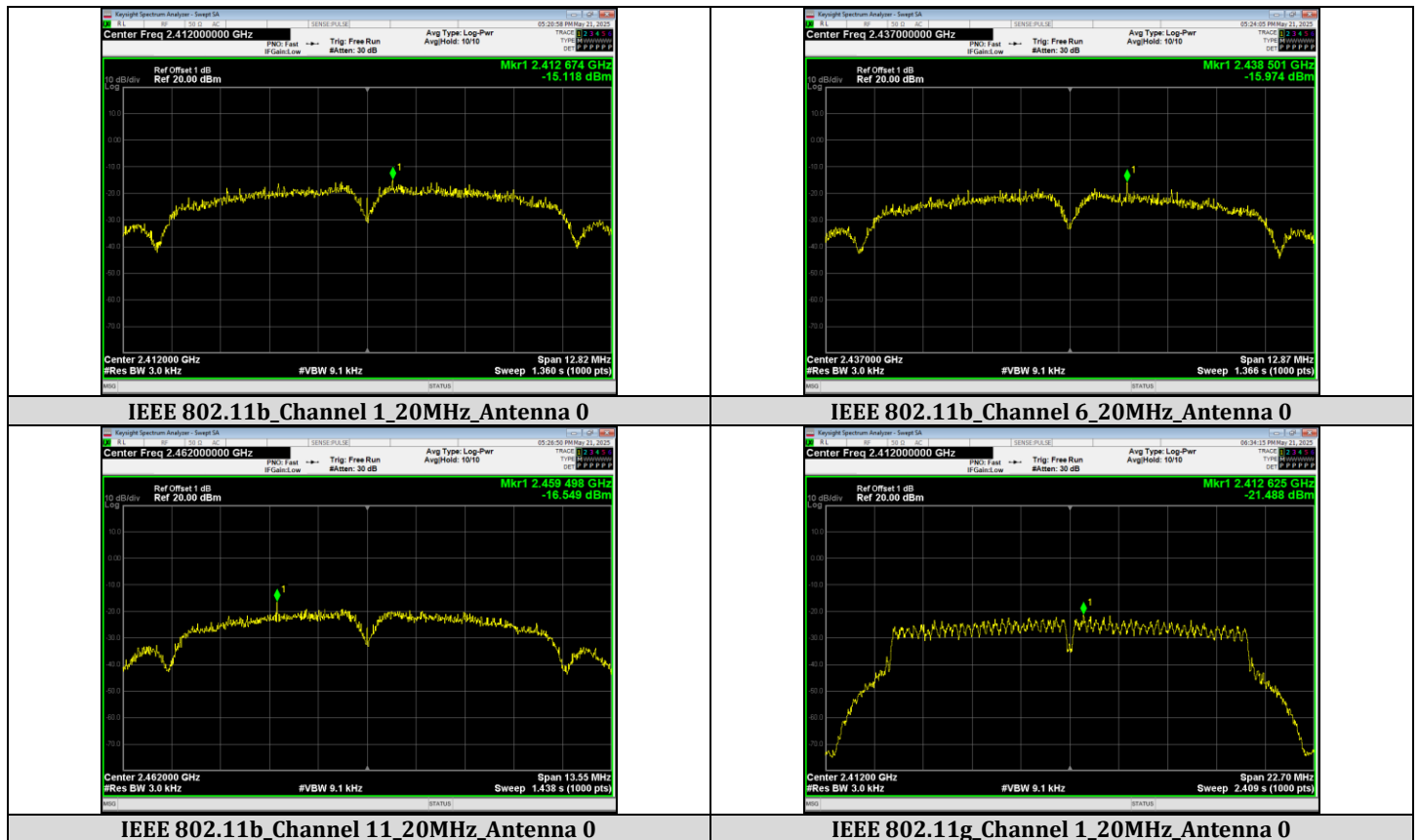


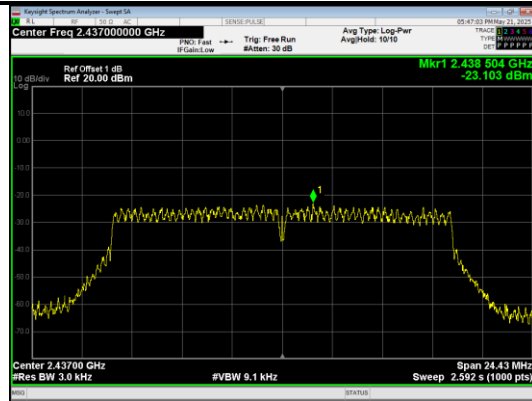
Power Spectral Density

Test Result

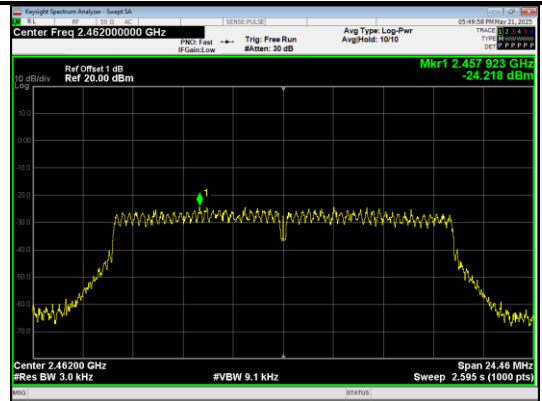
Mode	Channel	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
IEEE 802.11b	1	-15.118	≤8	PASS
	6	-15.974		PASS
	11	-16.549		PASS
IEEE 802.11g	1	-21.488		PASS
	6	-23.103		PASS
	11	-24.218		PASS
IEEE 802.11n_20	1	-20.953		PASS
	6	-22.876		PASS
	11	-23.187		PASS
IEEE 802.11n_40	3	-24.670		PASS
	6	-23.922		PASS
	9	-26.410		PASS

Test Graphs

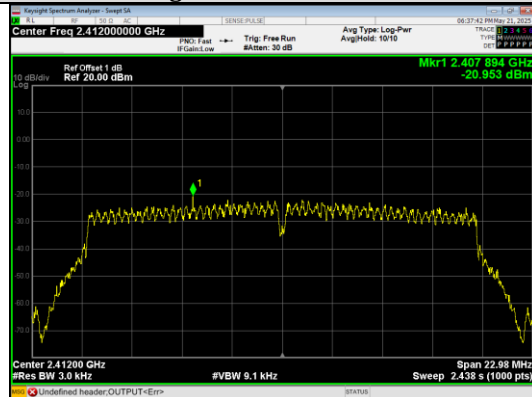




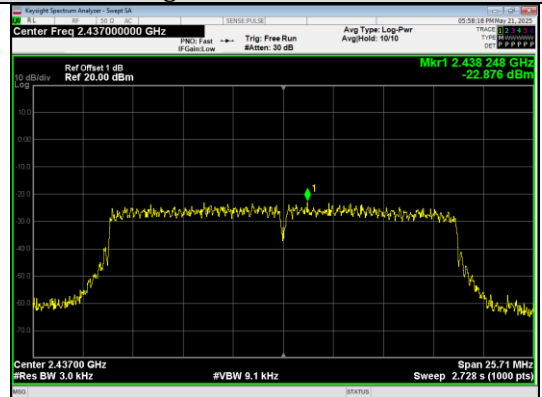
IEEE 802.11g_Channel 6_20MHz_Antenna 0



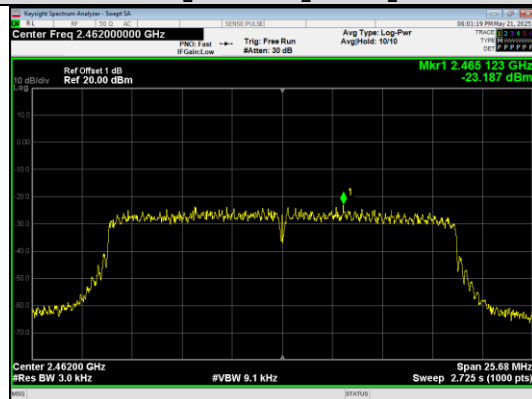
IEEE 802.11g_Channel 11_20MHz_Antenna 0



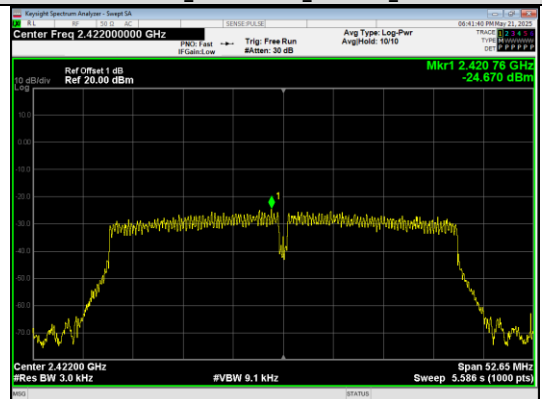
IEEE 802.11n_Channel 1_20MHz_Antenna 0



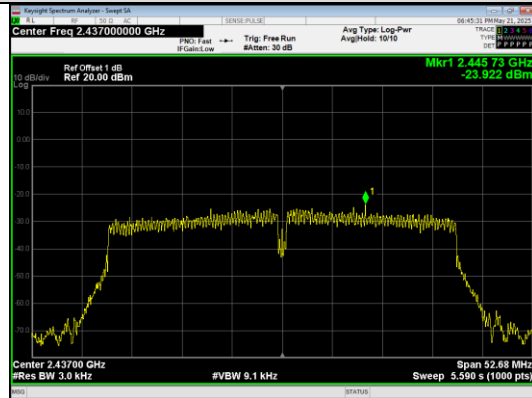
IEEE 802.11n_Channel 6_20MHz_Antenna 0



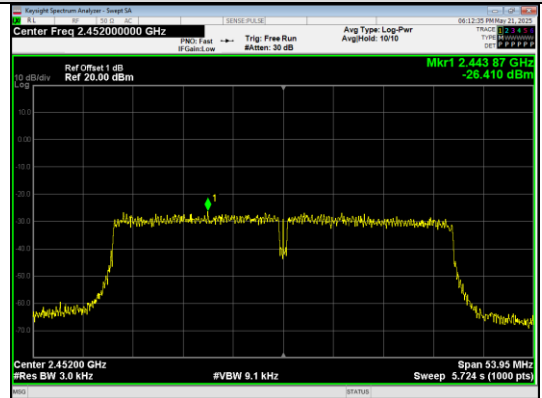
IEEE 802.11n_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 3_40MHz_Antenna 0



IEEE 802.11n_Channel 6_40MHz_Antenna 0



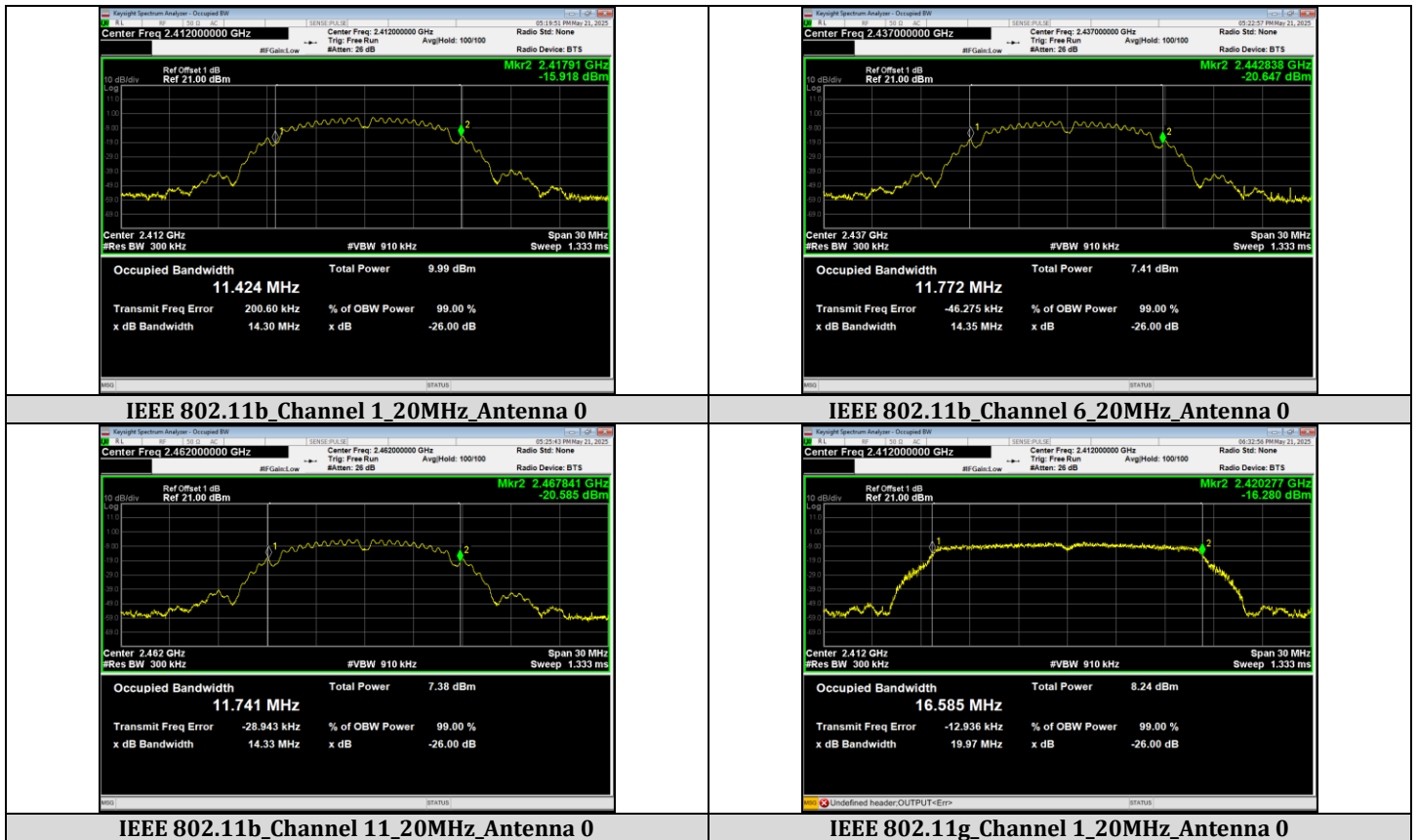
IEEE 802.11n_Channel 9_40MHz_Antenna 0

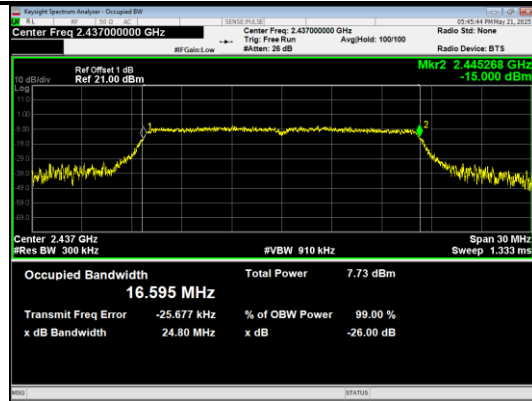
99% Bandwidth

Test Result

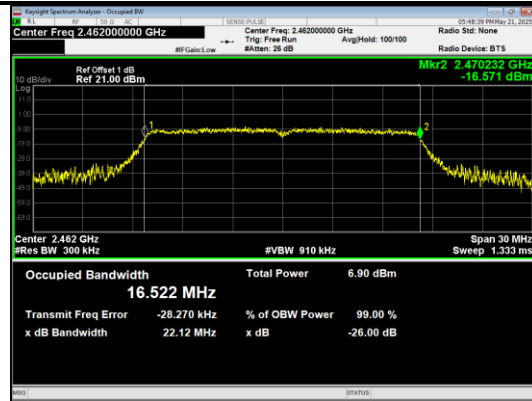
Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11b	1	0	2412	11.424
	6		2437	11.772
	11		2462	11.741
IEEE 802.11g	1		2412	16.585
	6		2437	16.595
	11		2462	16.522
IEEE 802.11n_20	1		2412	17.655
	6		2437	17.574
	11		2462	17.563
IEEE 802.11n_40	3		2422	36.059
	6		2437	36.036
	9		2452	36.101

Test Graphs

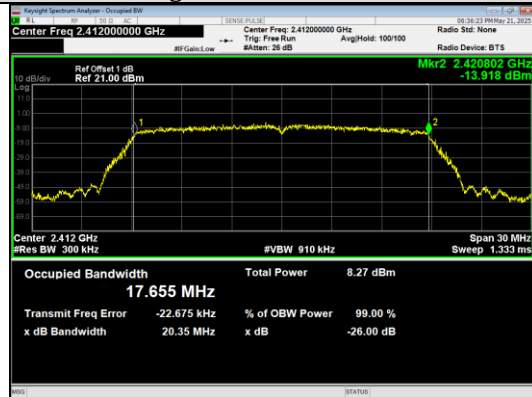




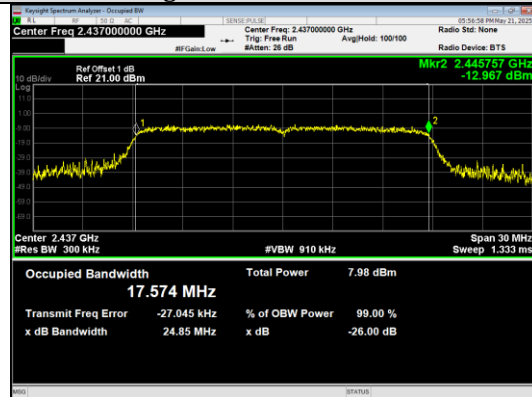
IEEE 802.11g_Channel 6_20MHz_Antenna 0



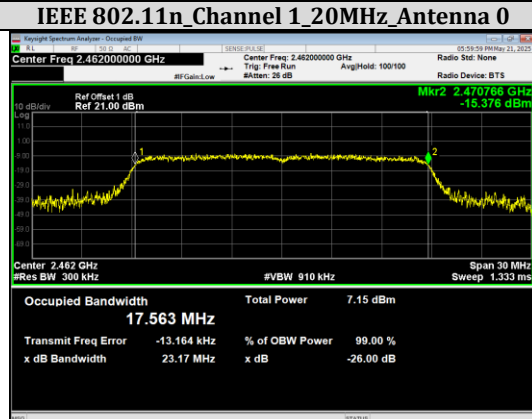
IEEE 802.11g_Channel 11_20MHz_Antenna 0



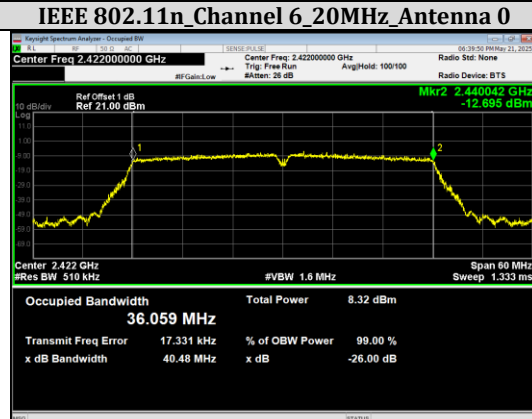
IEEE 802.11g_Channel 6_20MHz_Antenna 0



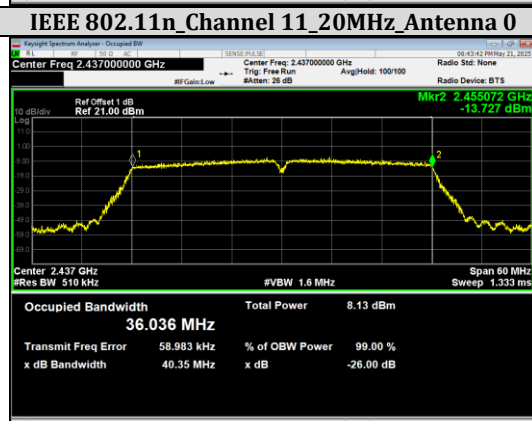
IEEE 802.11g_Channel 11_20MHz_Antenna 0



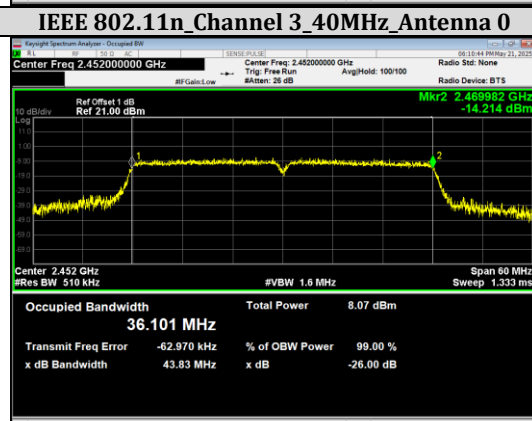
IEEE 802.11n_Channel 1_20MHz_Antenna 0



IEEE 802.11n_Channel 6_20MHz_Antenna 0



IEEE 802.11n_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 3_40MHz_Antenna 0

IEEE 802.11n_Channel 6_40MHz_Antenna 0

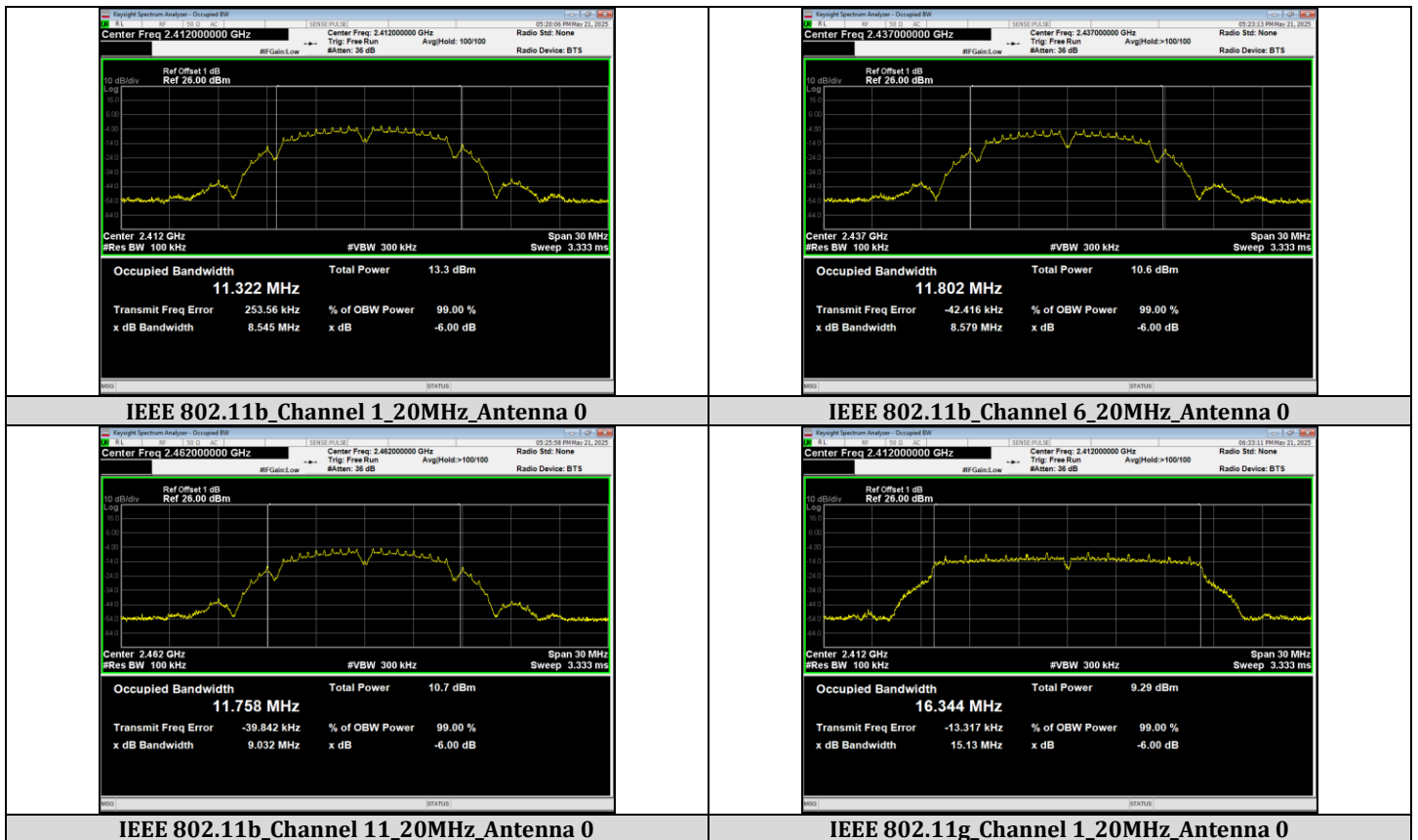
IEEE 802.11n_Channel 9_40MHz_Antenna 0

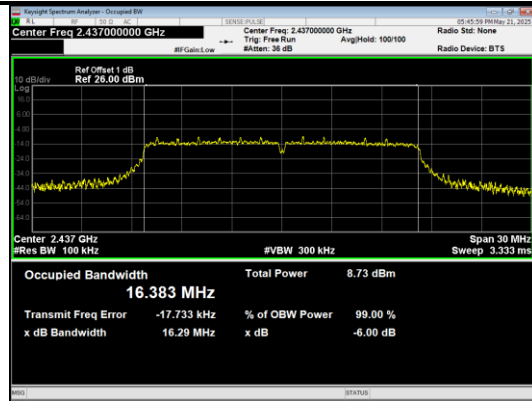
6dB Bandwidth

Test Result

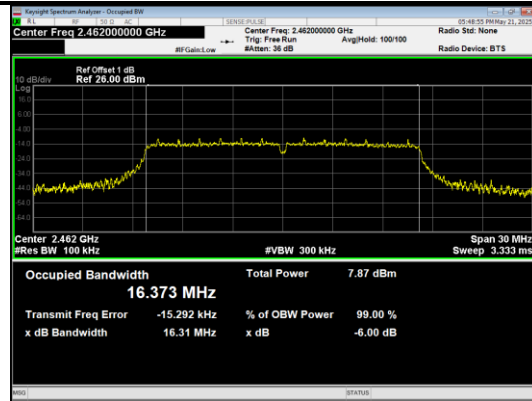
Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11b	1	0	2412	8.545	≥0.5	PASS
	6		2437	8.579		PASS
	11		2462	9.032		PASS
IEEE 802.11g	1		2412	15.13		PASS
	6		2437	16.29		PASS
	11		2462	16.31		PASS
IEEE 802.11n_20	1		2412	15.32		PASS
	6		2437	17.14		PASS
	11		2462	17.12		PASS
IEEE 802.11n_40	3		2422	35.10		PASS
	6		2437	35.12		PASS
	9		2452	35.97		PASS

Test Graphs

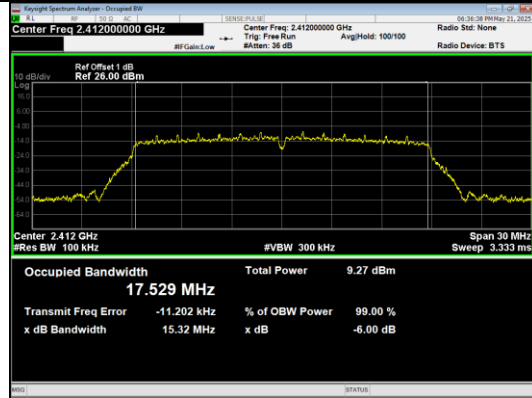




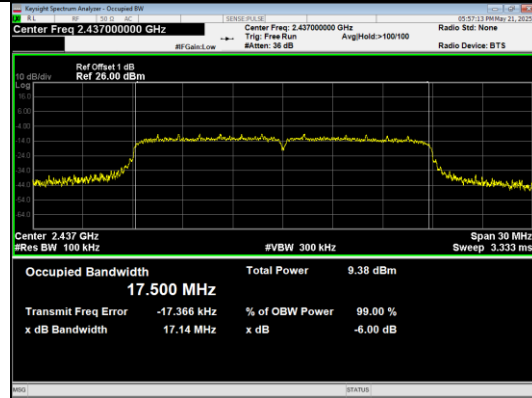
IEEE 802.11g_Channel 6_20MHz_Antenna 0



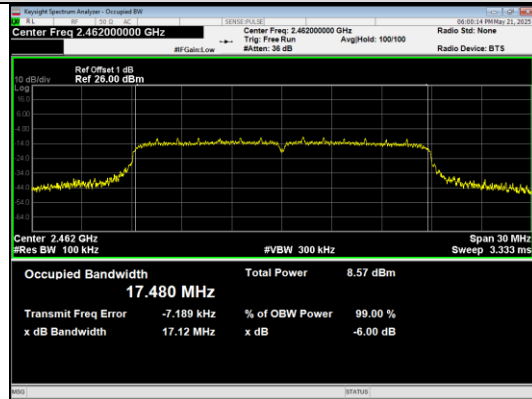
IEEE 802.11g_Channel 11_20MHz_Antenna 0



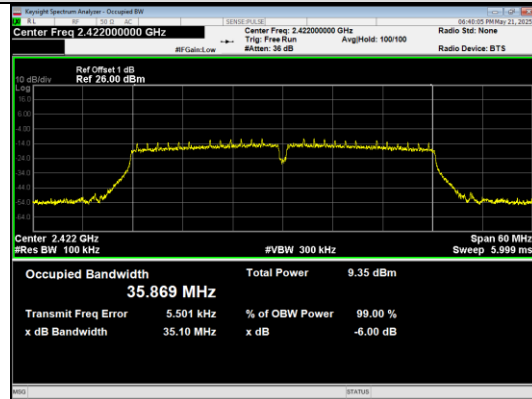
IEEE 802.11n_Channel 1_20MHz_Antenna 0



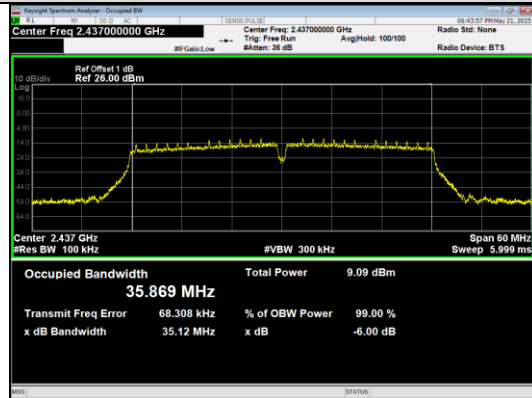
IEEE 802.11n_Channel 6_20MHz_Antenna 0



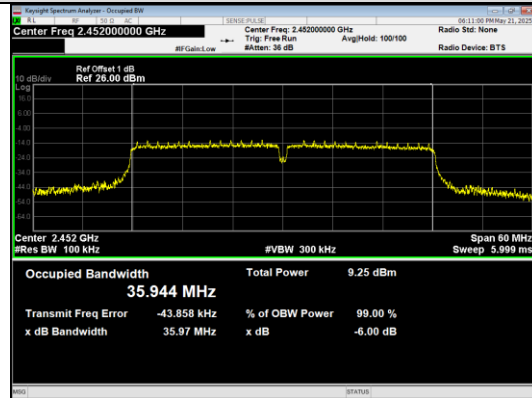
IEEE 802.11n_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 3_40MHz_Antenna 0



IEEE 802.11n_Channel 6_40MHz_Antenna 0



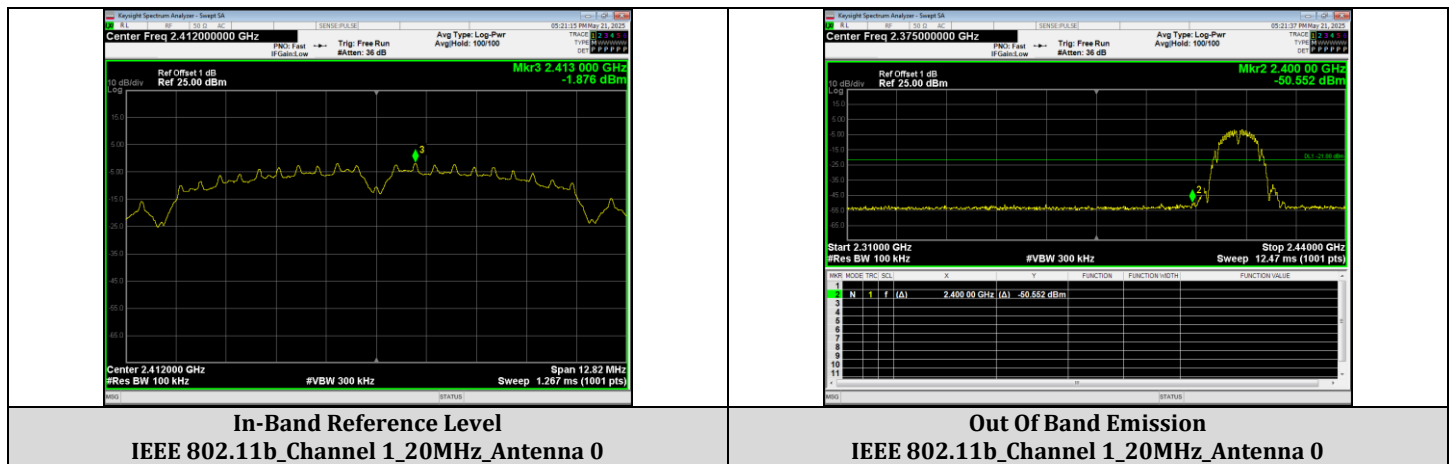
IEEE 802.11n_Channel 9_40MHz_Antenna 0

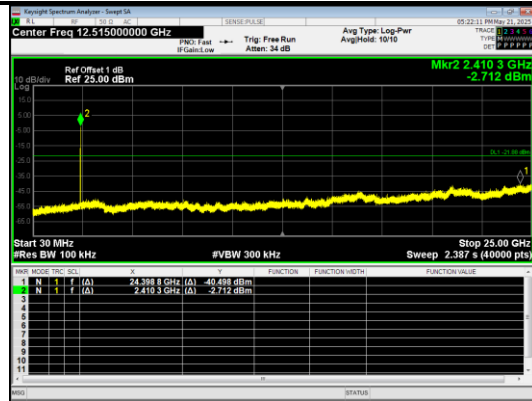
Conducted Out Of Band Emission

Test Result

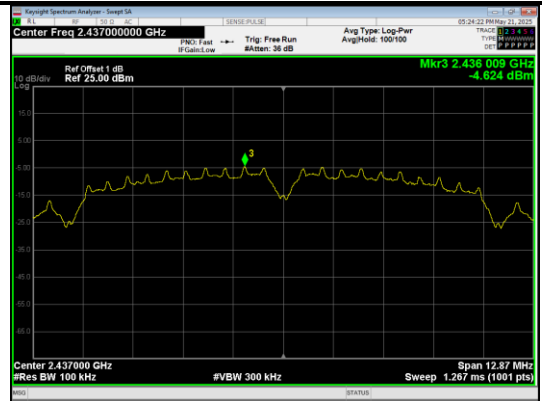
Mode	Channel	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
IEEE 802.11b	1	0	2400.00	-50.552	-21.88	-28.672	PASS
			24398.8	-40.498	-21.88	-18.618	PASS
			24881.4	-39.534	-24.62	-14.914	PASS
			2483.50	-53.738	-24.73	-29.008	PASS
			24943.8	-40.179	-24.73	-15.449	PASS
IEEE 802.11g	1	0	2398.92	-50.240	-27.38	-22.860	PASS
			2400.00	-50.259	-27.38	-22.879	PASS
			24925.1	-39.980	-27.38	-12.601	PASS
			24918.2	-40.459	-29.11	-11.349	PASS
			2483.50	-53.192	-29.69	-23.502	PASS
IEEE 802.11n_20	1	0	24312.7	-39.093	-29.69	-9.403	PASS
			2397.10	-50.585	-27.52	-23.065	PASS
			2400.00	-50.880	-27.52	-23.360	PASS
			24935.7	-40.227	-27.52	-12.707	PASS
			24470.0	-39.959	-29.02	-10.939	PASS
IEEE 802.11n_40	3	0	2483.50	-50.658	-29.46	-21.198	PASS
			24872.0	-39.842	-29.46	-10.382	PASS
			2395.80	-49.419	-30.45	-18.969	PASS
			2400.00	-51.855	-30.45	-21.405	PASS
			24289.6	-39.903	-30.45	-9.453	PASS
IEEE 802.11n_40	6	0	24355.8	-39.662	-30.6	-9.062	PASS
			2483.50	-49.040	-31.92	-17.120	PASS
			24404.5	-39.800	-31.92	-7.880	PASS

Test Graphs

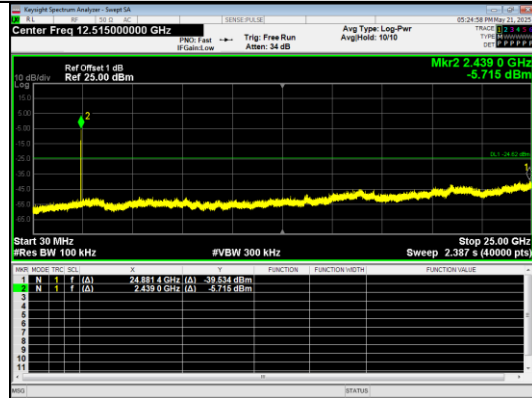




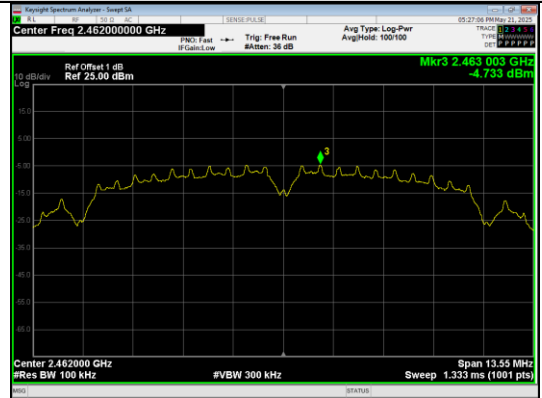
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 1_20MHz_Antenna 0



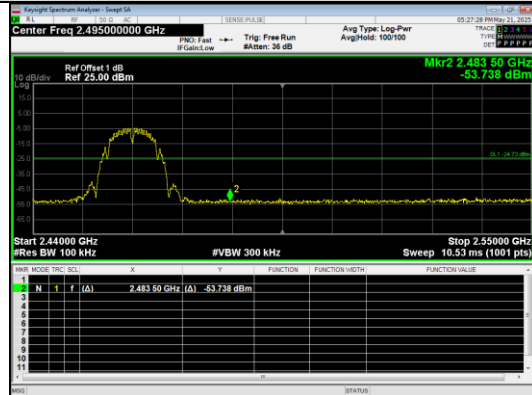
In-Band Reference Level
IEEE 802.11b_Channel 6_20MHz_Antenna 0



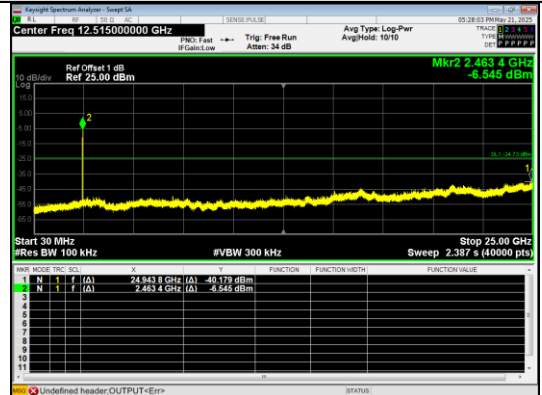
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 6_20MHz_Antenna 0



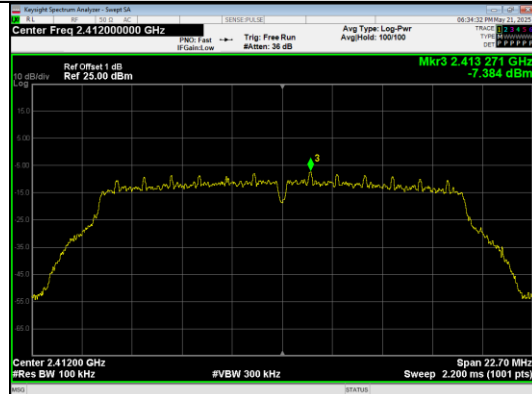
In-Band Reference Level
IEEE 802.11b_Channel 11_20MHz_Antenna 0



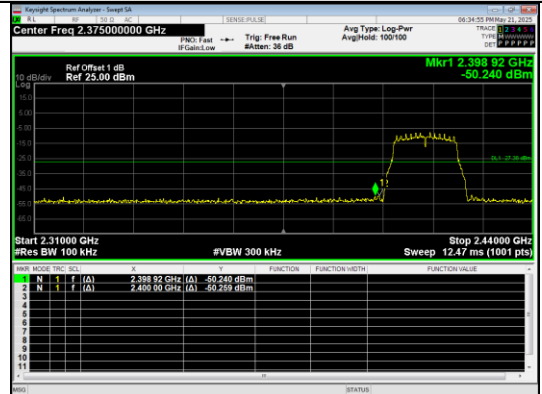
Out Of Band Emission
IEEE 802.11b_Channel 11_20MHz_Antenna 0



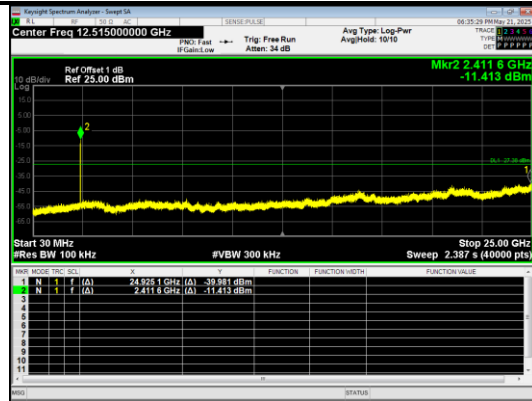
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 11_20MHz_Antenna 0



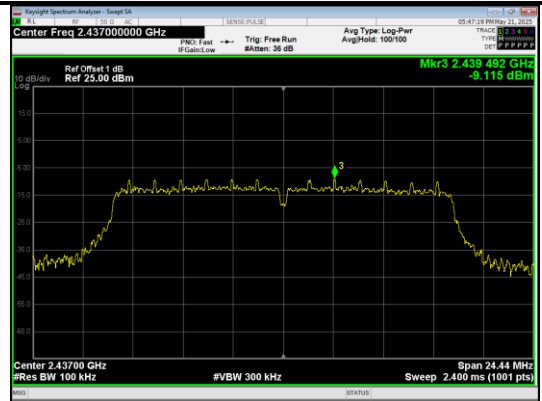
In-Band Reference Level
IEEE 802.11g_Channel 1_20MHz_Antenna 0



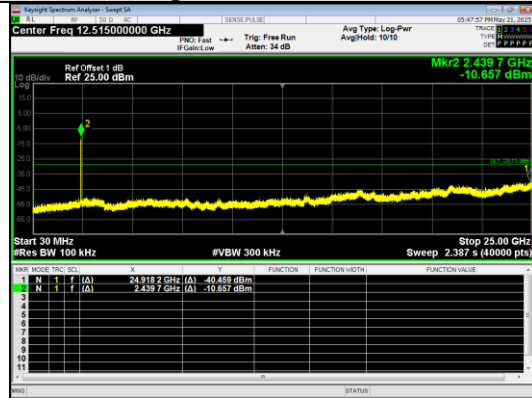
Out Of Band Emission
IEEE 802.11g_Channel 1_20MHz_Antenna 0



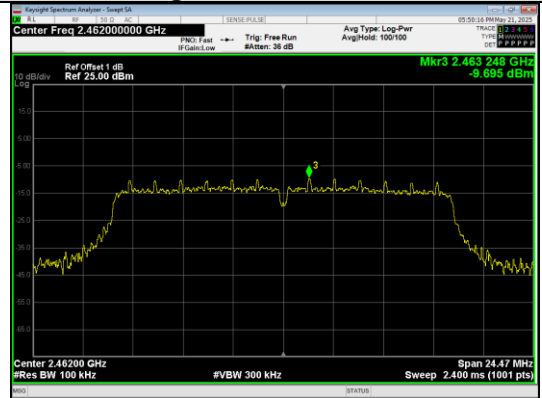
30.0 MHz - 25000.0 MHz
IEEE 802.11g_Channel 1_20MHz_Antenna 0



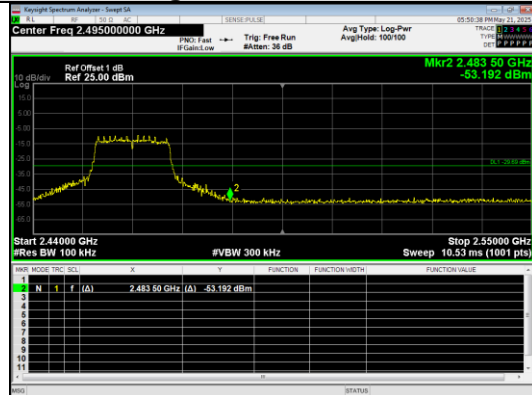
In-Band Reference Level
IEEE 802.11g_Channel 6_20MHz_Antenna 0



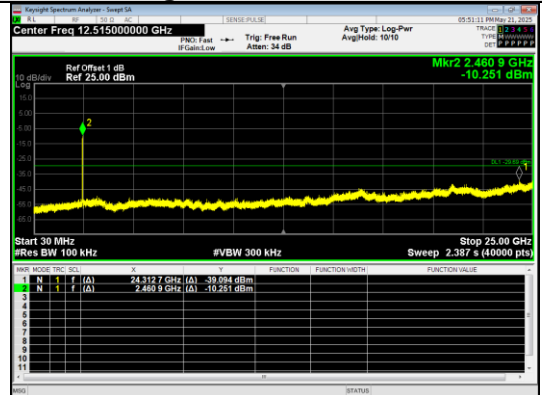
30.0 MHz - 25000.0 MHz
IEEE 802.11g_Channel 6_20MHz_Antenna 0



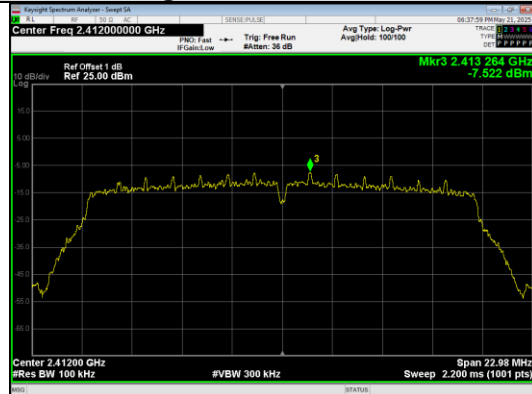
In-Band Reference Level
IEEE 802.11g_Channel 11_20MHz_Antenna 0



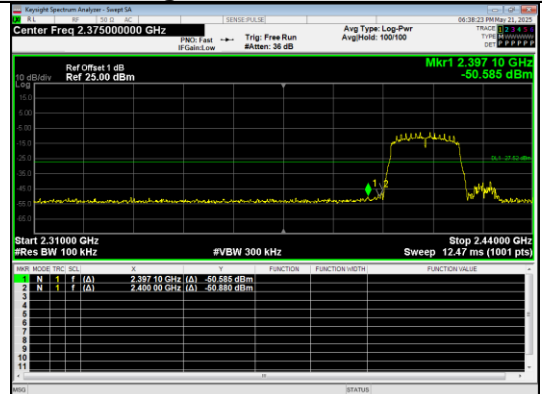
Out Of Band Emission
IEEE 802.11g_Channel 11_20MHz_Antenna 0



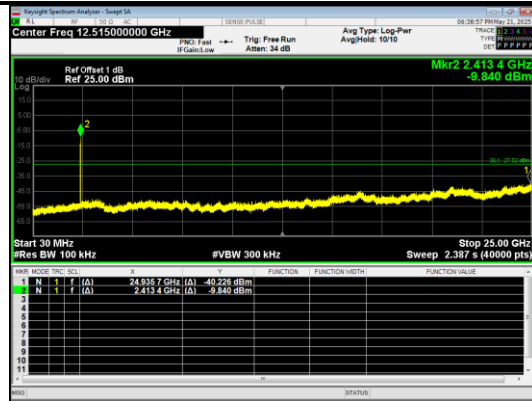
30.0 MHz - 25000.0 MHz
IEEE 802.11g_Channel 11_20MHz_Antenna 0



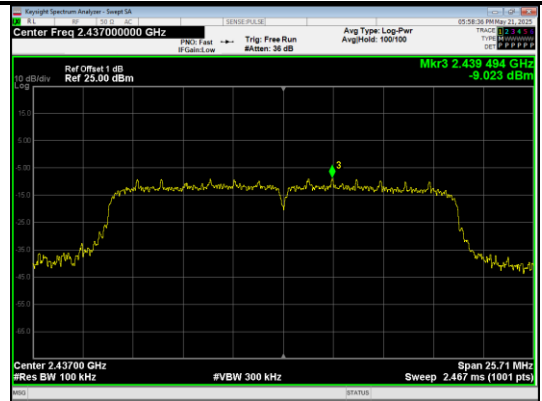
In-Band Reference Level
IEEE 802.11n_Channel 1_20MHz_Antenna 0



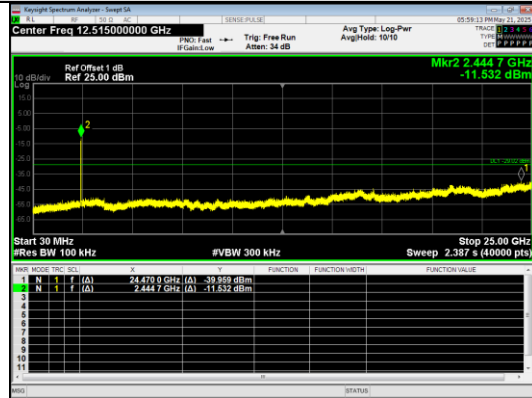
Out Of Band Emission
IEEE 802.11n_Channel 1_20MHz_Antenna 0



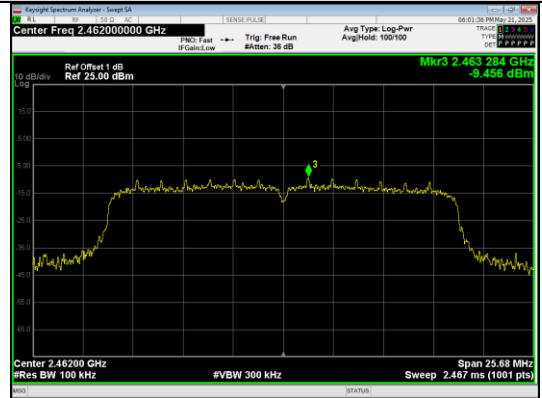
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 1_20MHz_Antenna 0



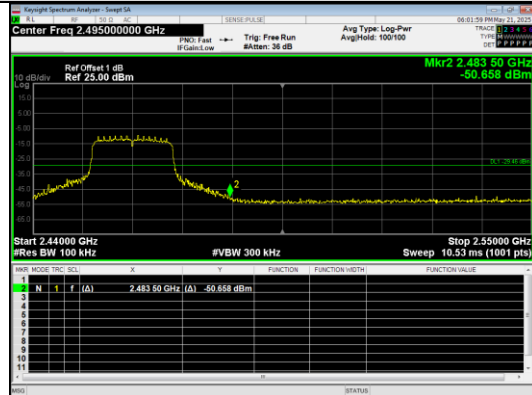
In-Band Reference Level
IEEE 802.11n_Channel 6_20MHz_Antenna 0



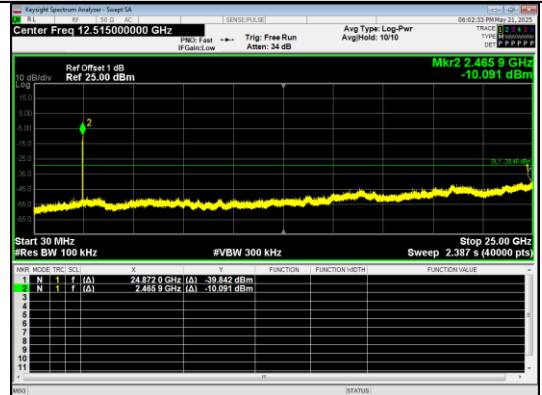
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 6_20MHz_Antenna 0



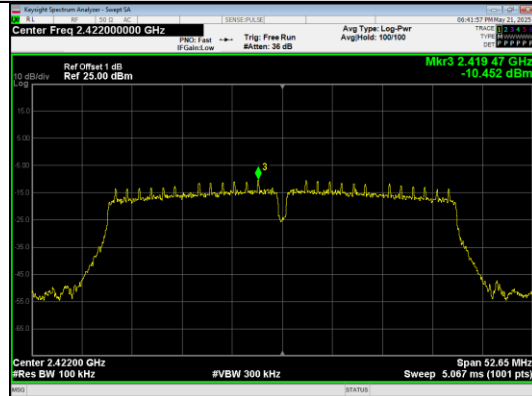
In-Band Reference Level
IEEE 802.11n_Channel 11_20MHz_Antenna 0



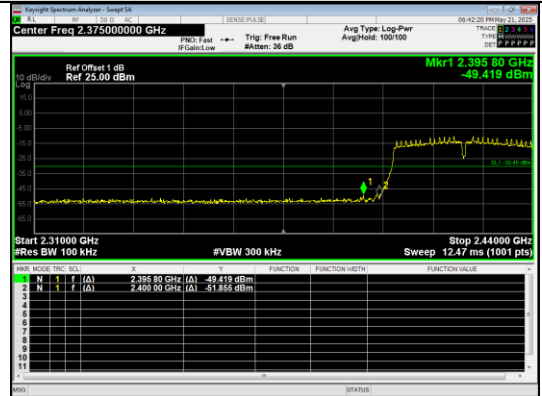
Out Of Band Emission
IEEE 802.11n_Channel 11_20MHz_Antenna 0



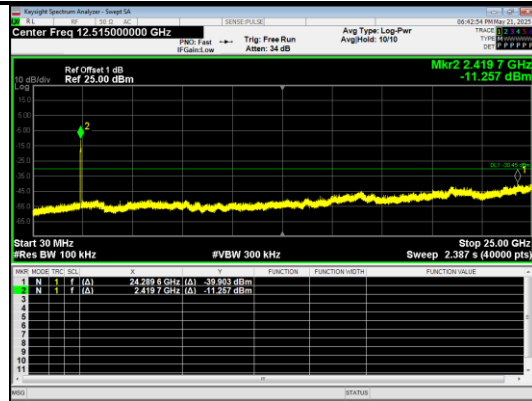
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 11_20MHz_Antenna 0



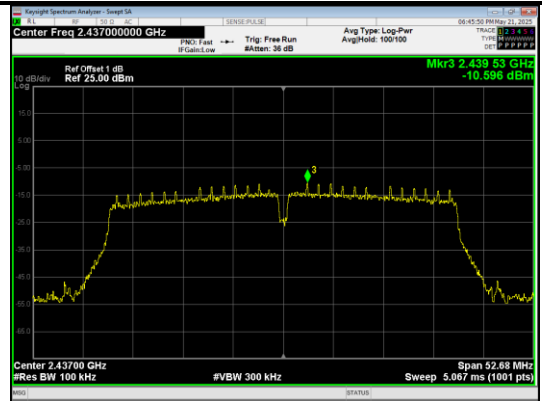
In-Band Reference Level
IEEE 802.11n_Channel 3_40MHz_Antenna 0



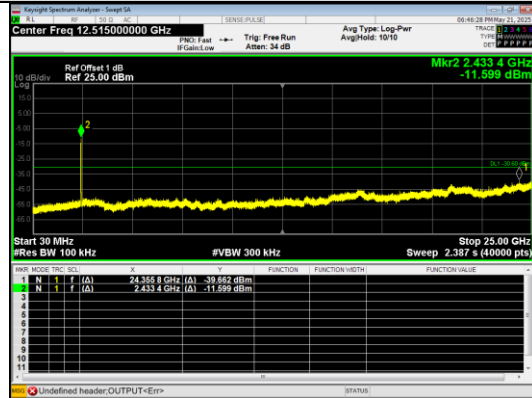
Out Of Band Emission
IEEE 802.11n_Channel 3_40MHz_Antenna 0



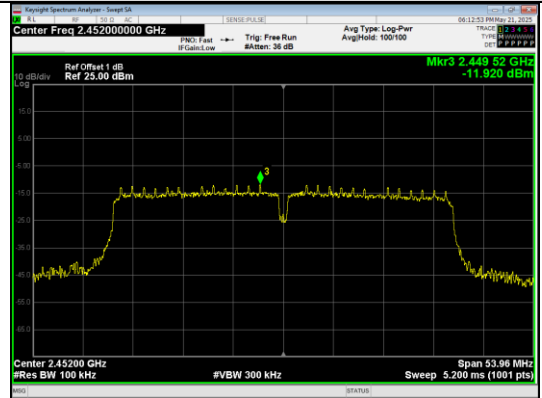
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 3_40MHz_Antenna 0



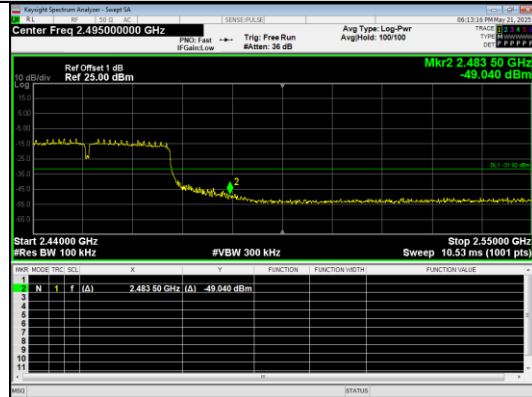
In-Band Reference Level
IEEE 802.11n_Channel 6_40MHz_Antenna 0



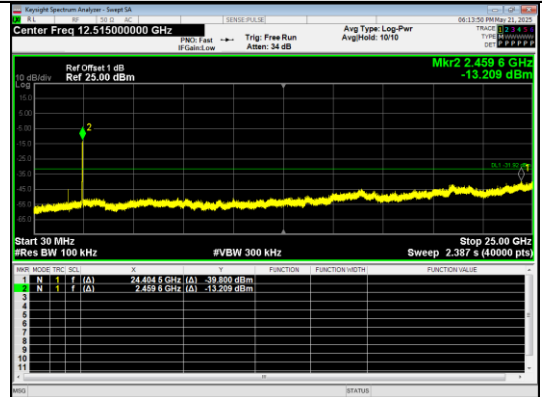
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 6_40MHz_Antenna 0



In-Band Reference Level
IEEE 802.11n_Channel 9_40MHz_Antenna 0



Out Of Band Emission
IEEE 802.11n_Channel 9_40MHz_Antenna 0



30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 9_40MHz_Antenna 0

***** End of Report *****