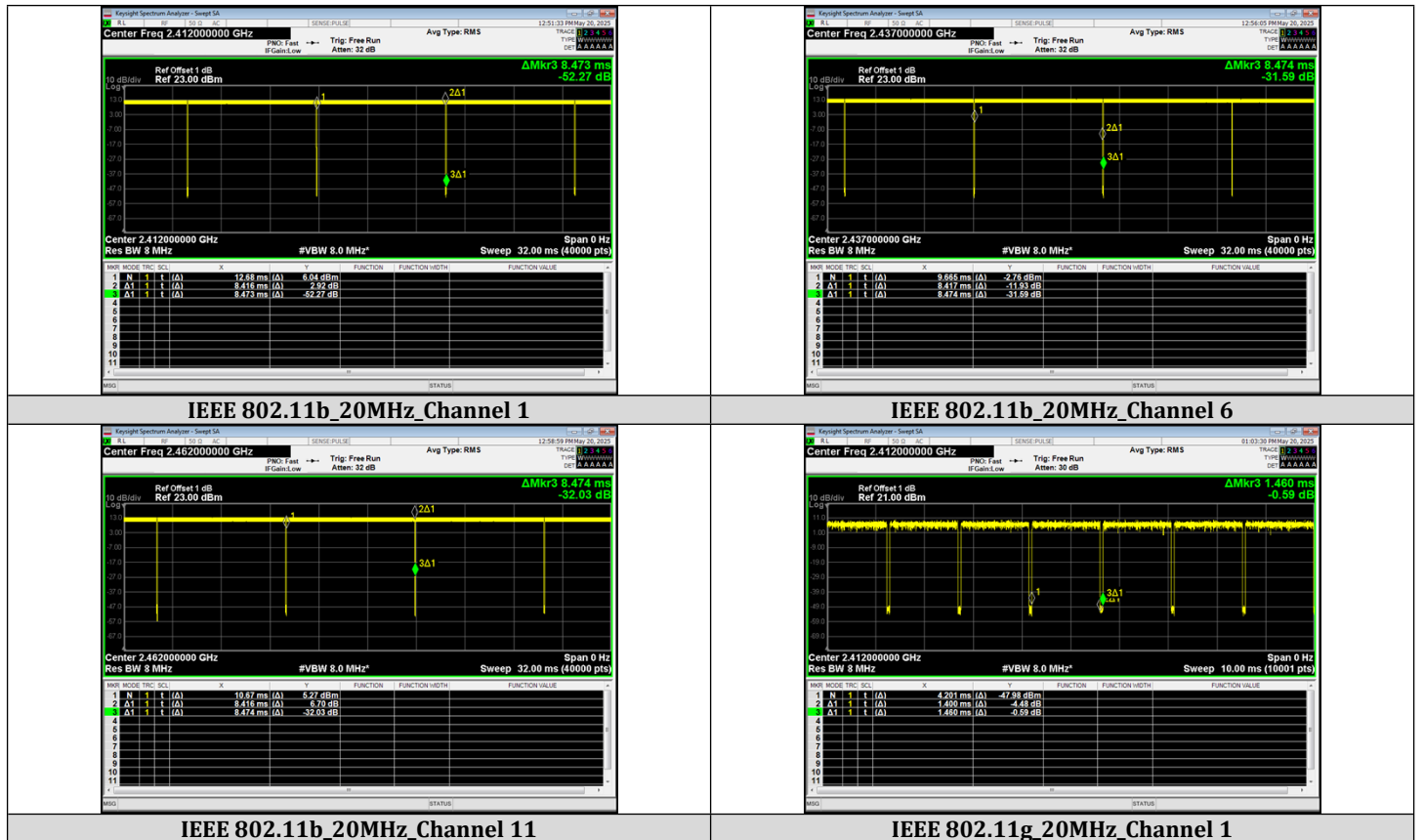


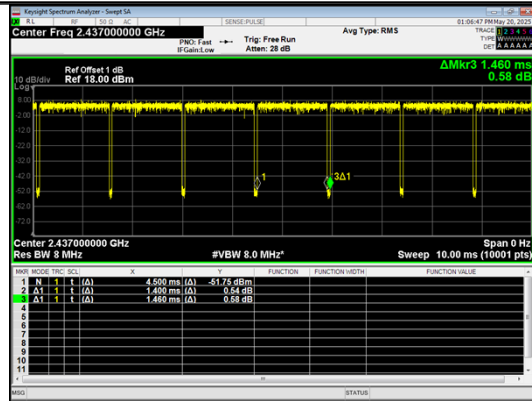
Duty Cycle

Test Result

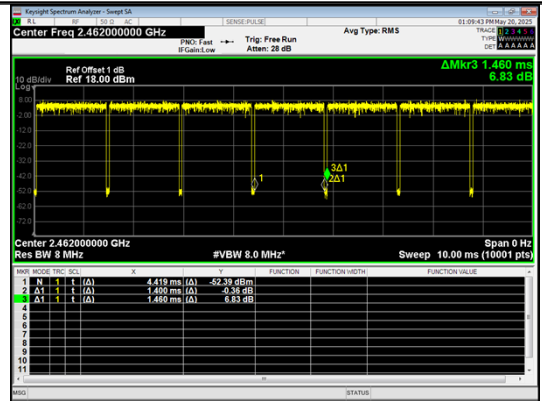
Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11b	1	1	0	8.416	8.473	99.33	0.9933	0.0292	0.1188
		6		8.417	8.474	99.33	0.9933	0.0292	0.1188
		11		8.416	8.474	99.32	0.9932	0.0296	0.1188
IEEE 802.11g		1		1.400	1.460	95.89	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

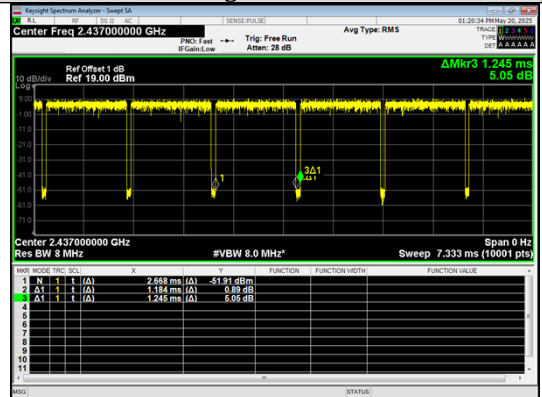
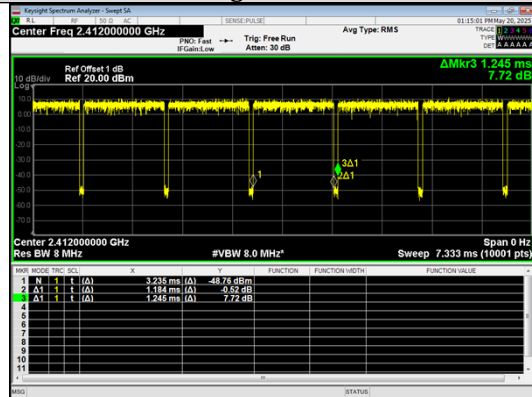




IEEE 802.11g 20MHz_Channel 6

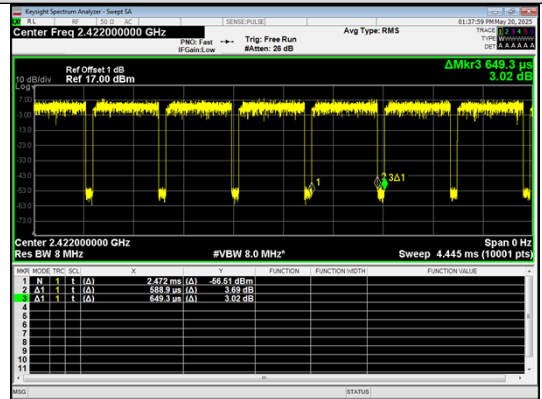
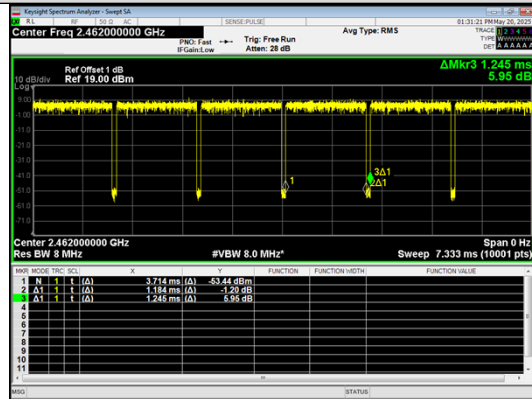


IEEE 802.11g 20MHz_Channel 11



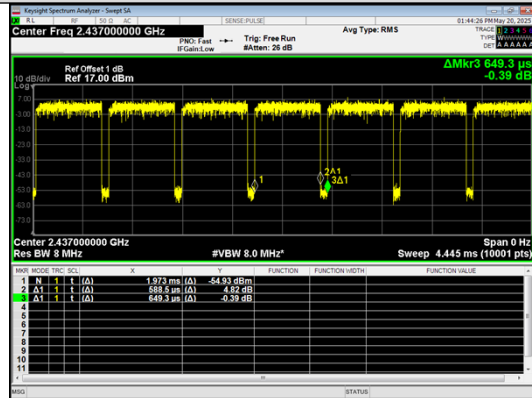
IEEE 802.11n 20MHz_Channel 1

IEEE 802.11n 20MHz_Channel 6

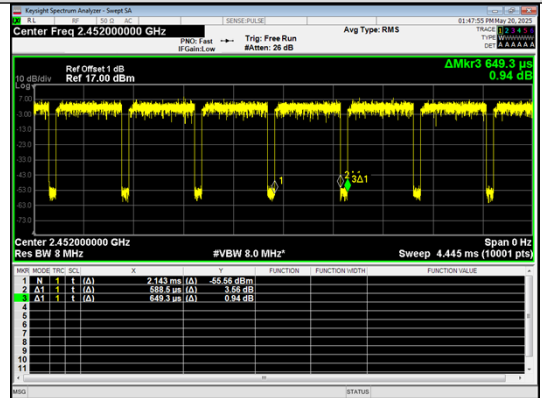


IEEE 802.11n 20MHz_Channel 11

IEEE 802.11n 40MHz_Channel 3



IEEE 802.11n 40MHz_Channel 6



IEEE 802.11n 40MHz_Channel 9

Conducted Output Power

Test Result

Mode	Channel	Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11b	1	14.76	≤30	PASS
	6	15.55	≤30	PASS
	11	15.43	≤30	PASS
IEEE 802.11g	1	16.76	≤30	PASS
	6	14.77	≤30	PASS
	11	14.47	≤30	PASS
IEEE 802.11n_20	1	16.68	≤30	PASS
	6	16.20	≤30	PASS
	11	15.99	≤30	PASS
IEEE 802.11n_40	3	16.46	≤30	PASS
	6	16.03	≤30	PASS
	9	15.71	≤30	PASS

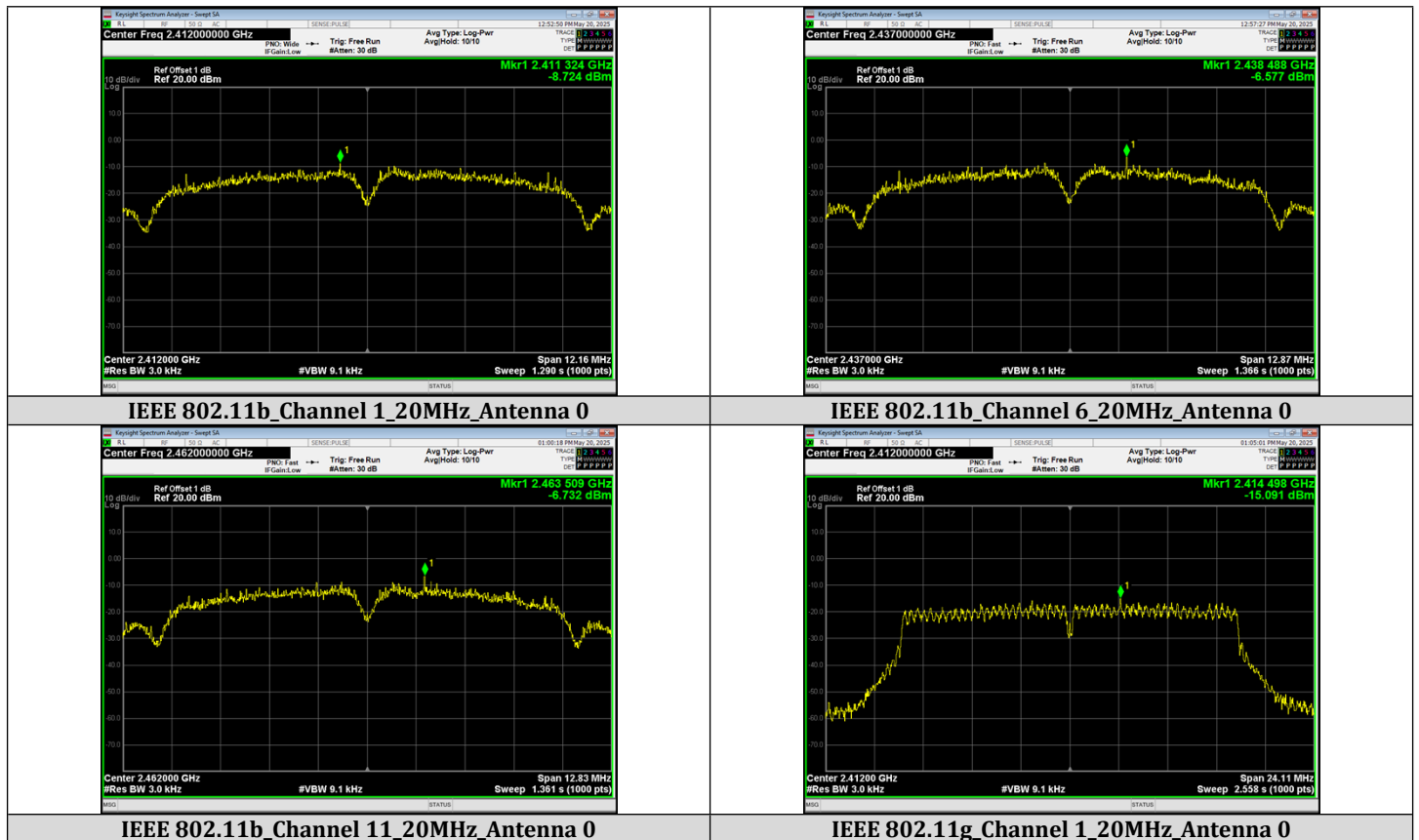


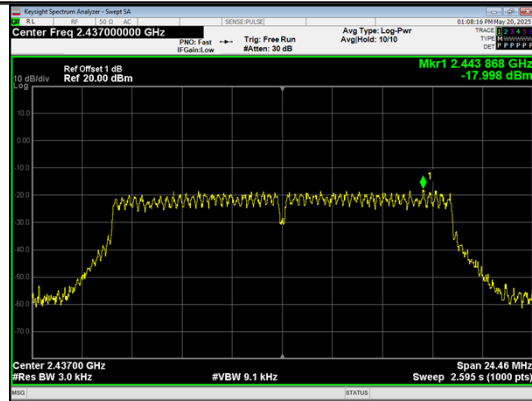
Power Spectral Density

Test Result

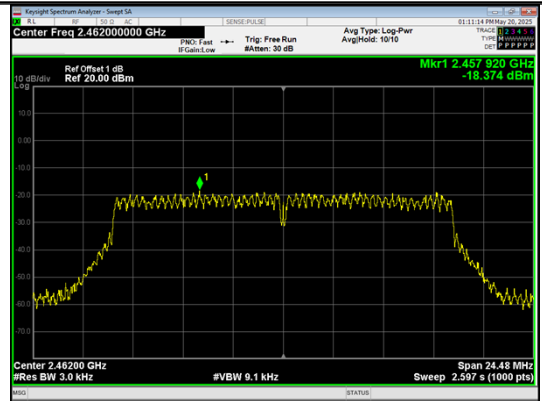
Mode	Channel	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
IEEE 802.11b	1	-8.724	≤8	PASS
	6	-6.577		PASS
	11	-6.732		PASS
IEEE 802.11g	1	-15.091		PASS
	6	-17.998		PASS
	11	-18.374		PASS
IEEE 802.11n_20	1	-15.304		PASS
	6	-16.467		PASS
	11	-16.726		PASS
IEEE 802.11n_40	3	-19.134		PASS
	6	-18.489		PASS
	9	-20.380		PASS

Test Graphs

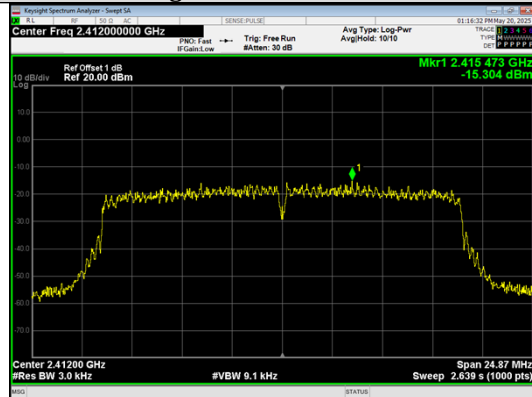




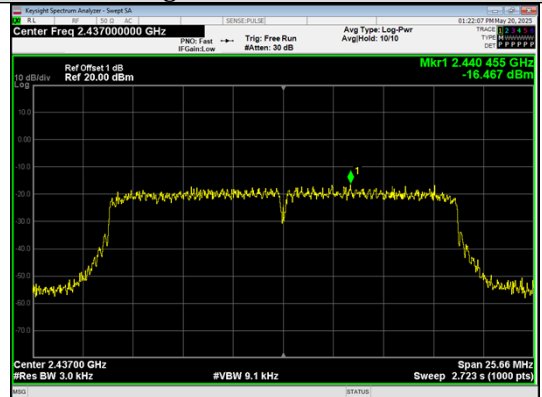
IEEE 802.11g_Channel 6_20MHz_Antenna 0



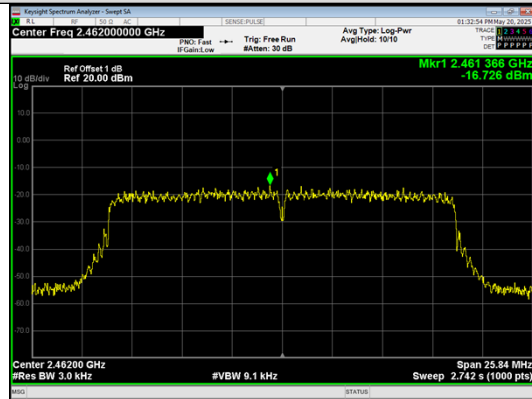
IEEE 802.11g_Channel 11_20MHz_Antenna 0



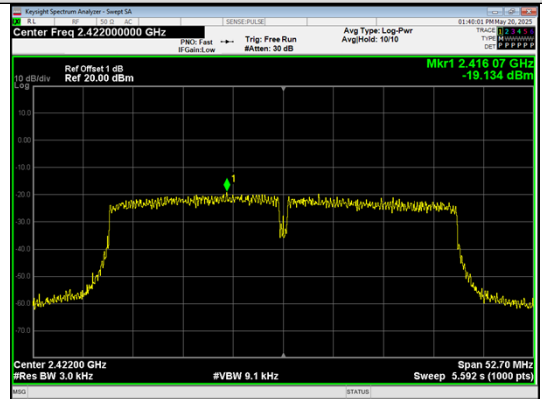
IEEE 802.11n_Channel 1_20MHz_Antenna 0



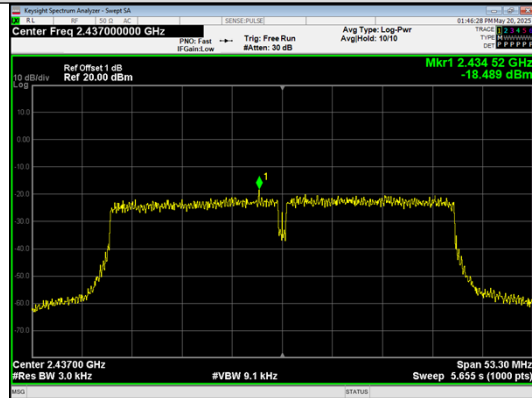
IEEE 802.11n_Channel 6_20MHz_Antenna 0



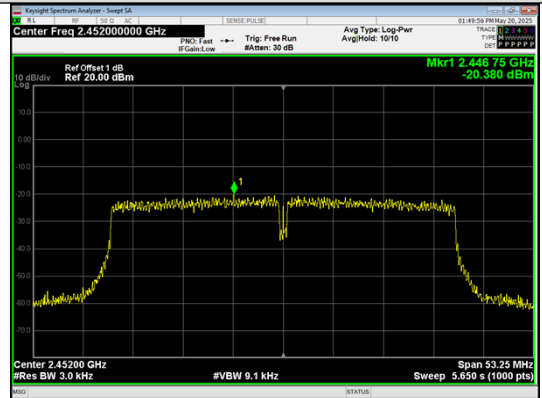
IEEE 802.11n_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 3_40MHz_Antenna 0



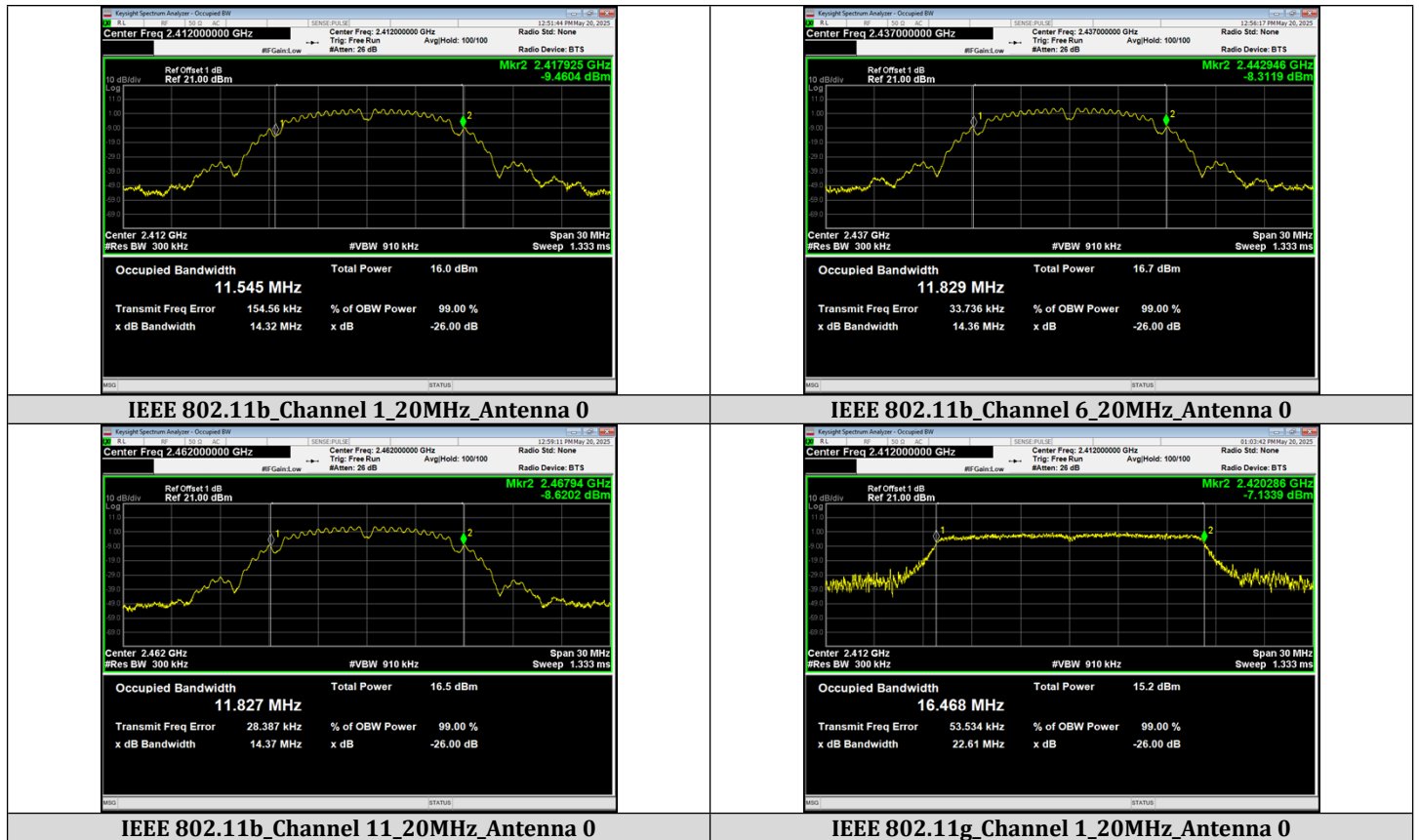
IEEE 802.11n_Channel 6_40MHz_Antenna 0

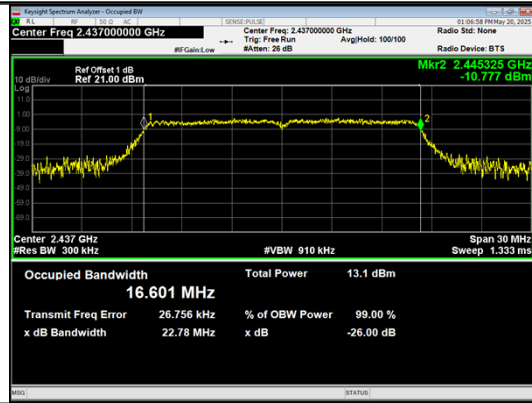


IEEE 802.11n_Channel 9_40MHz_Antenna 0

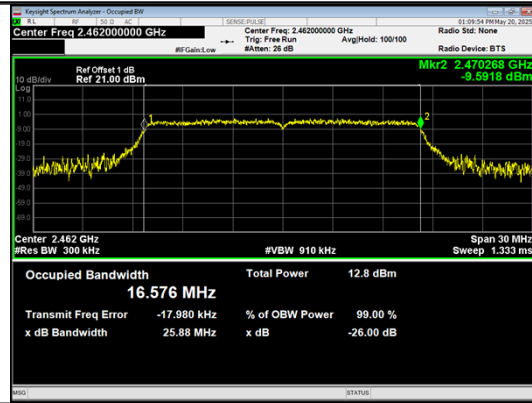
**99% Bandwidth****Test Result**

Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11b	1	0	2412	11.545
	6		2437	11.829
	11		2462	11.827
IEEE 802.11g	1		2412	16.468
	6		2437	16.601
	11		2462	16.576
IEEE 802.11n_20	1		2412	17.470
	6		2437	17.604
	11		2462	17.589
IEEE 802.11n_40	3		2422	35.913
	6		2437	36.127
	9		2452	36.032

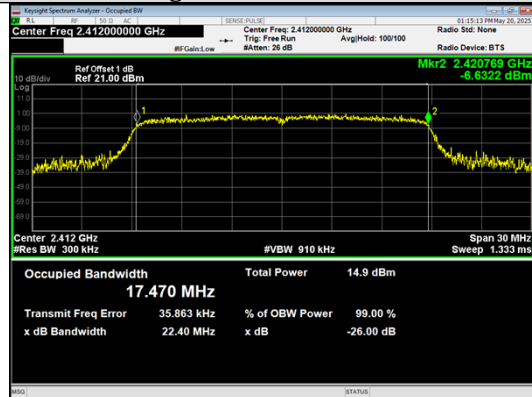
Test Graphs



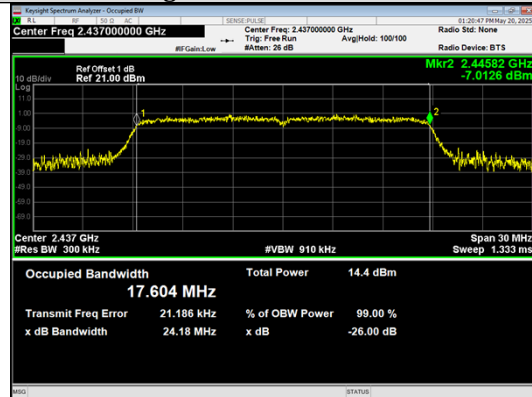
IEEE 802.11g_Channel 6_20MHz_Antenna 0



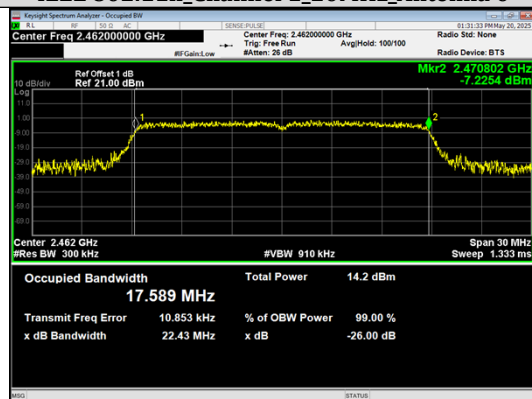
IEEE 802.11g_Channel 11_20MHz_Antenna 0



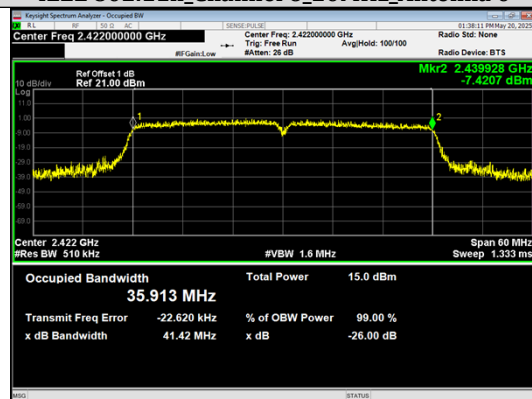
IEEE 802.11g_Channel 6_20MHz_Antenna 0



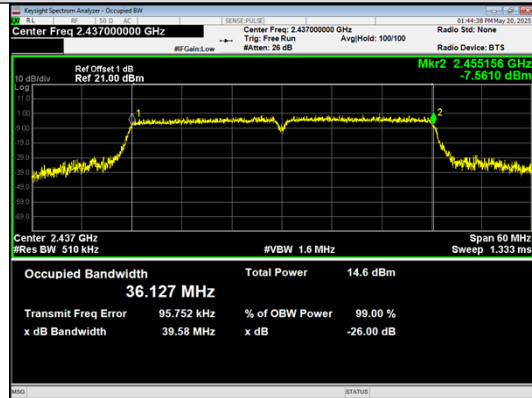
IEEE 802.11g_Channel 11_20MHz_Antenna 0



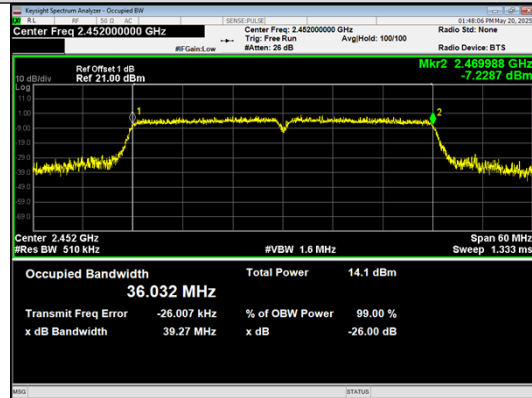
IEEE 802.11n_Channel 1_20MHz_Antenna 0



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

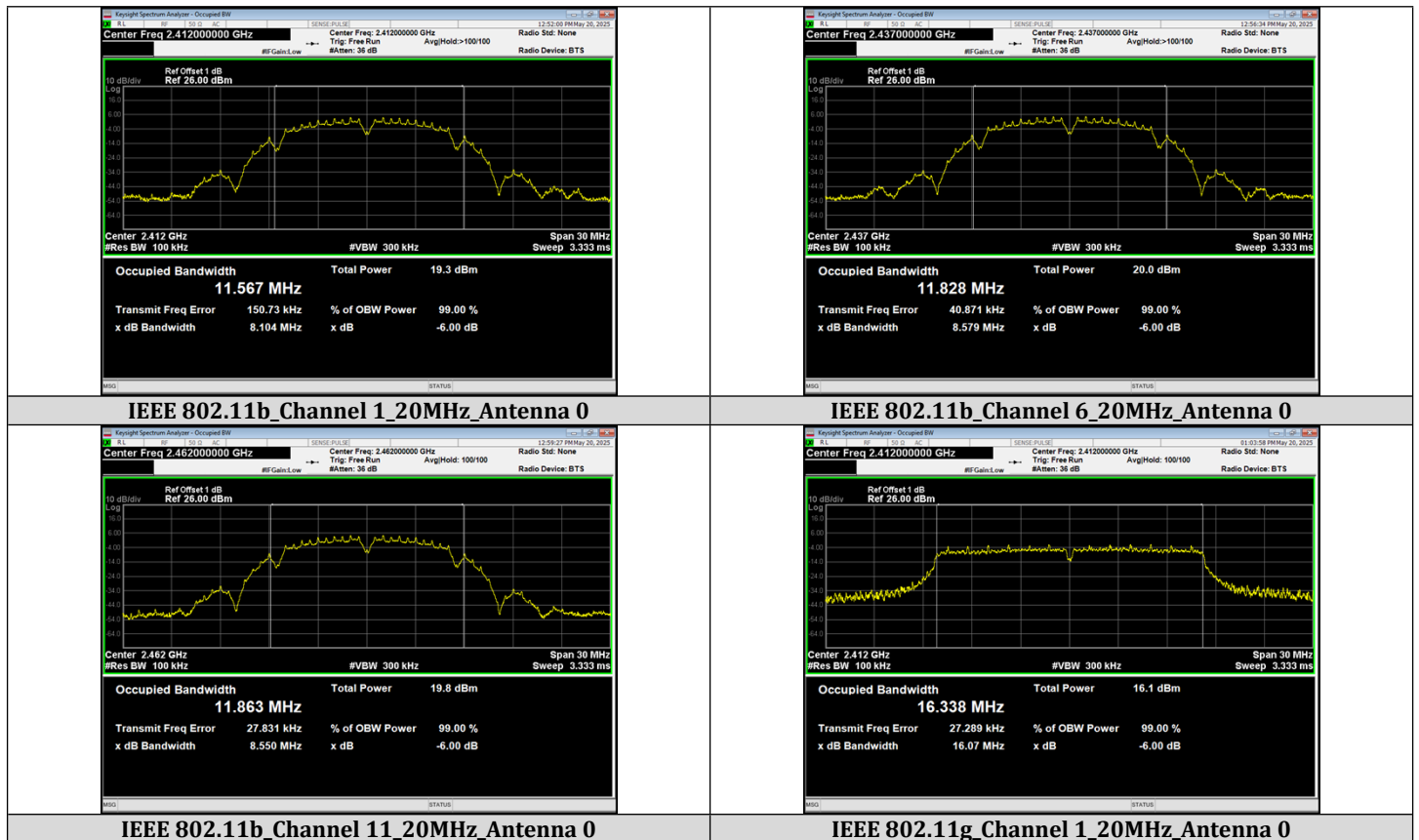
IEEE 802.11n_Channel 9_40MHz_Antenna 0

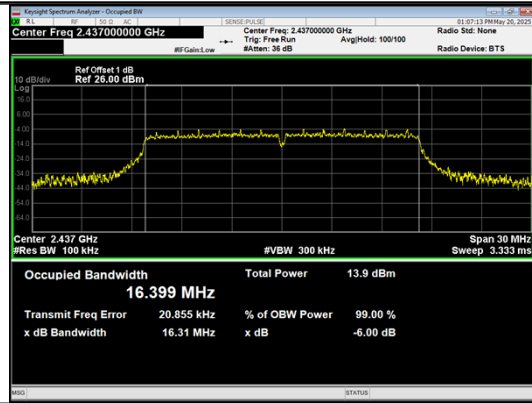
6dB Bandwidth

Test Result

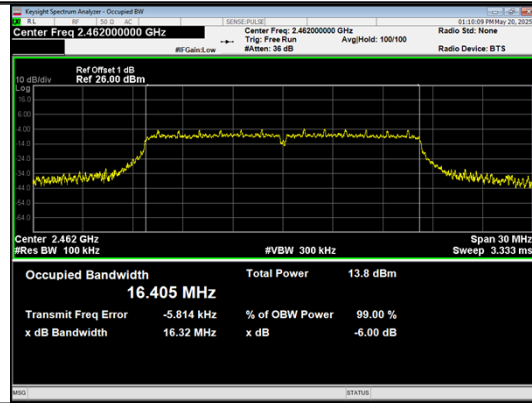
Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11b	1	0	2412	8.104	≥0.5	PASS
	6		2437	8.579		PASS
	11		2462	8.550		PASS
IEEE 802.11g	1		2412	16.07		PASS
	6		2437	16.31		PASS
	11		2462	16.32		PASS
IEEE 802.11n_20	1		2412	16.58		PASS
	6		2437	17.11		PASS
	11		2462	17.23		PASS
IEEE 802.11n_40	3		2422	35.13		PASS
	6		2437	35.53		PASS
	9		2452	35.50		PASS

Test Graphs

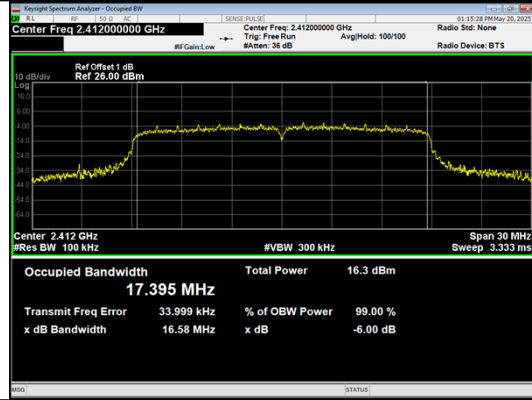




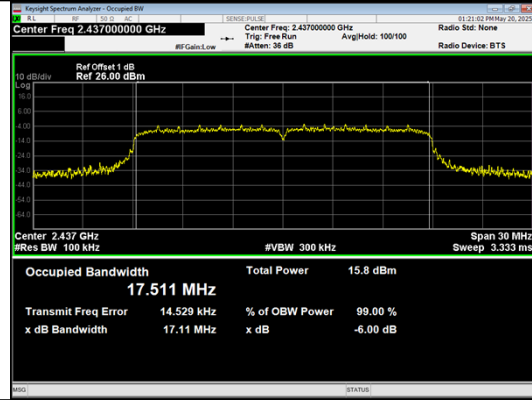
IEEE 802.11g_Channel 6_20MHz_Antenna 0



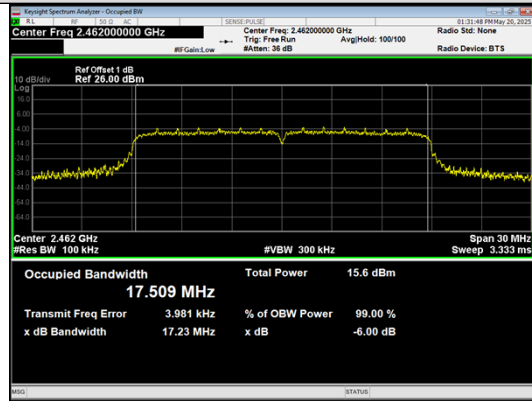
IEEE 802.11g_Channel 11_20MHz_Antenna 0



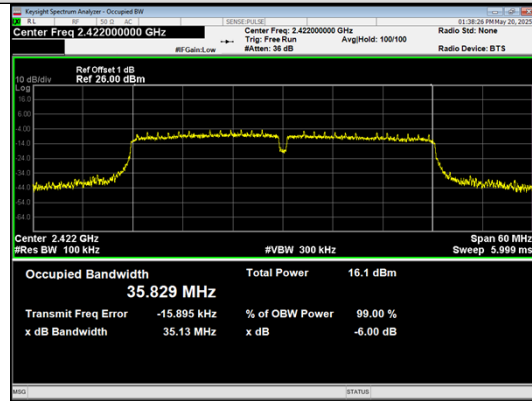
IEEE 802.11g_Channel 6_20MHz_Antenna 0



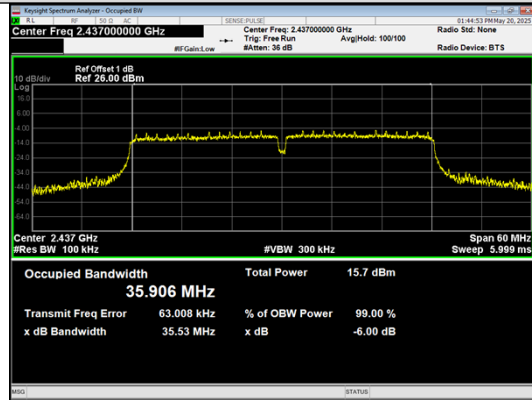
IEEE 802.11g_Channel 11_20MHz_Antenna 0



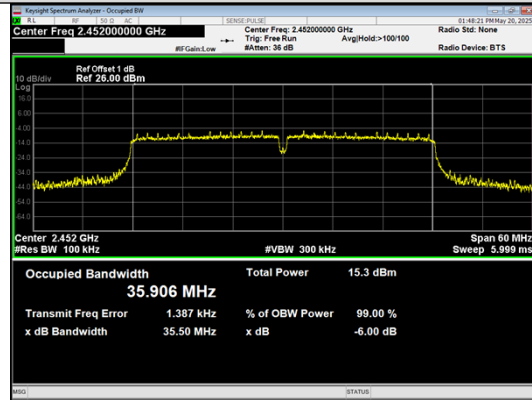
IEEE 802.11n_Channel 1_20MHz_Antenna 0



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

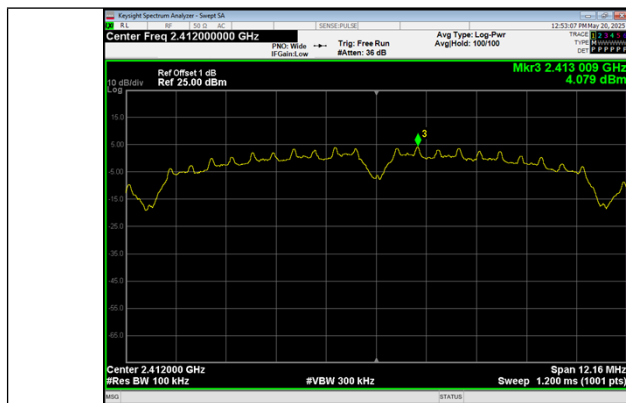
IEEE 802.11n_Channel 9_40MHz_Antenna 0

Conducted Out Of Band Emission

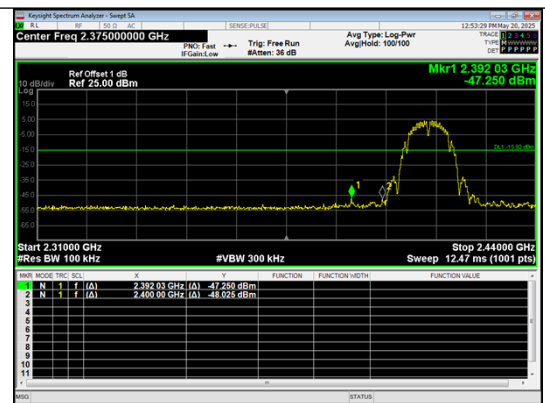
Test Result

Mode	Channel	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
IEEE 802.11b	1	0	2392.03	-47.250	-15.92	-31.330	PASS
			2400.00	-48.025	-15.92	-32.105	PASS
	24961.9		-39.834	-15.92	-23.914	PASS	
	6		24443.8	-40.259	-15.34	-24.919	PASS
	11		2483.50	-52.159	-15.53	-36.629	PASS
			24974.4	-39.588	-15.53	-24.058	PASS
IEEE 802.11g	1		2400.00	-34.510	-21.22	-13.290	PASS
	6		24995.0	-40.151	-21.22	-18.931	PASS
			24908.9	-39.332	-23.43	-15.902	PASS
	11		2483.50	-47.494	-23.78	-23.714	PASS
			24941.3	-39.570	-23.78	-15.790	PASS
IEEE 802.11n_20	1		2398.79	-33.294	-21.29	-12.004	PASS
		2400.00	-36.103	-21.29	-14.813	PASS	
	6	24231.5	-40.298	-21.29	-19.008	PASS	
		24430.7	-39.743	-22.24	-17.503	PASS	
	11	2483.50	-42.701	-22.61	-20.091	PASS	
		24989.4	-40.194	-22.61	-17.584	PASS	
IEEE 802.11n_40	3	2398.53	-37.522	-24.56	-12.962	PASS	
		2400.00	-37.687	-24.56	-13.127	PASS	
		24985.0	-39.252	-24.56	-14.692	PASS	
	6	24992.5	-39.625	-25.44	-14.185	PASS	
	9	2483.50	-44.887	-25.79	-19.097	PASS	
		24984.4	-40.194	-25.79	-14.404	PASS	

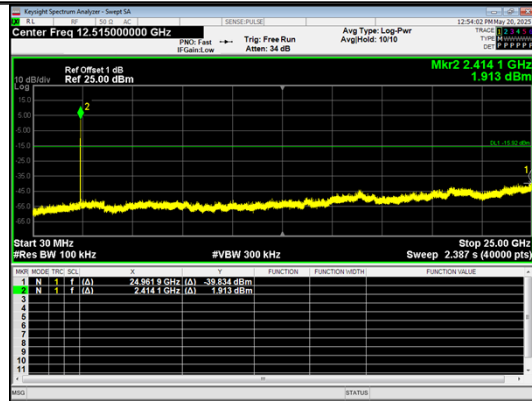
Test Graphs



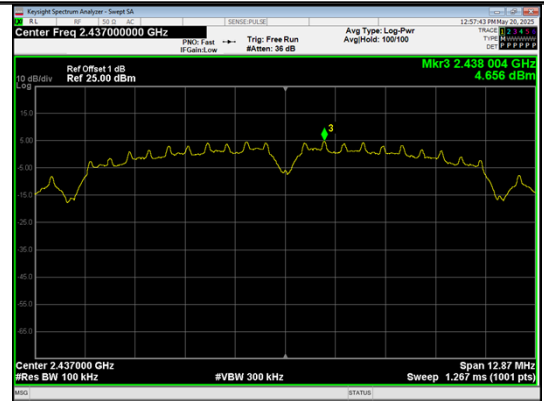
In-Band Reference Level
IEEE 802.11b_Channel 1_20MHz_Antenna 0



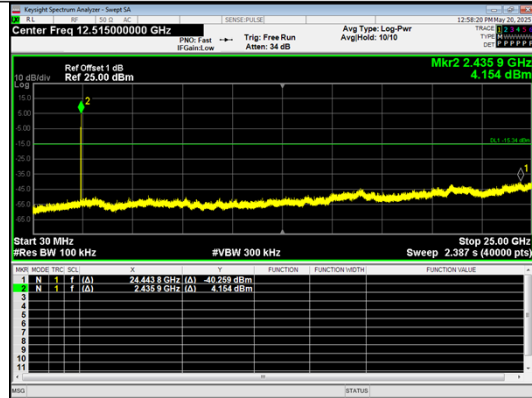
Out Of Band Emission
IEEE 802.11b_Channel 1_20MHz_Antenna 0



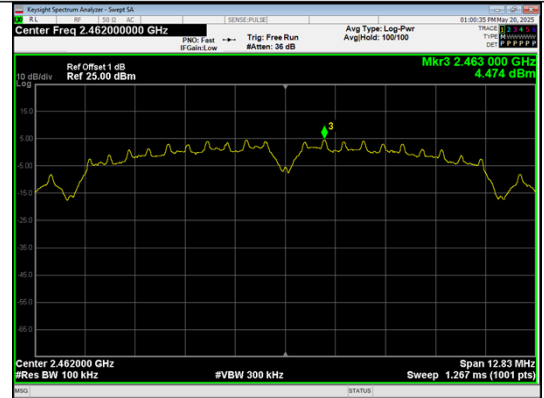
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 1_20MHz_Antenna 0



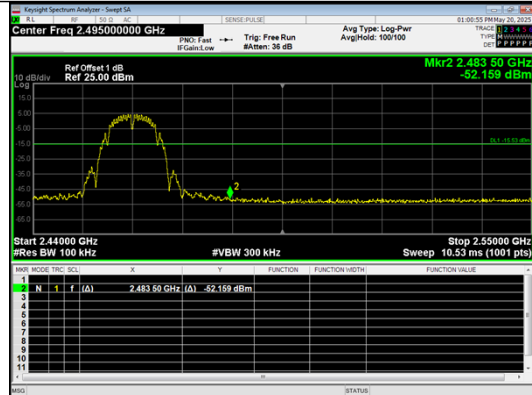
In-Band Reference Level
IEEE 802.11b_Channel 6_20MHz_Antenna 0



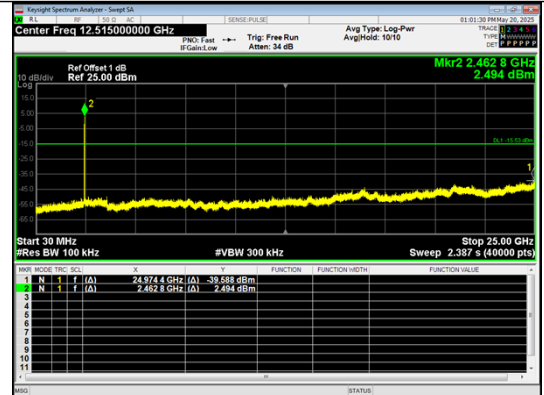
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 6_20MHz_Antenna 0



In-Band Reference Level
IEEE 802.11b_Channel 11_20MHz_Antenna 0



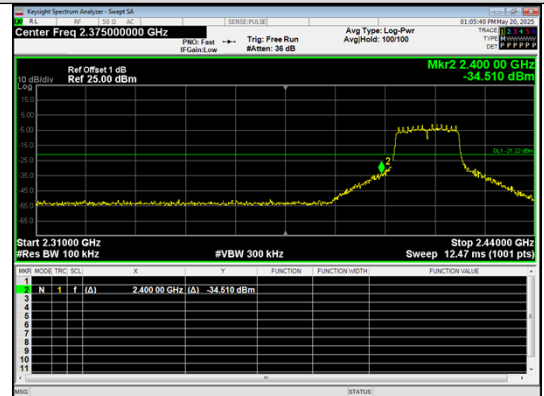
Out Of Band Emission
IEEE 802.11b_Channel 11_20MHz_Antenna 0



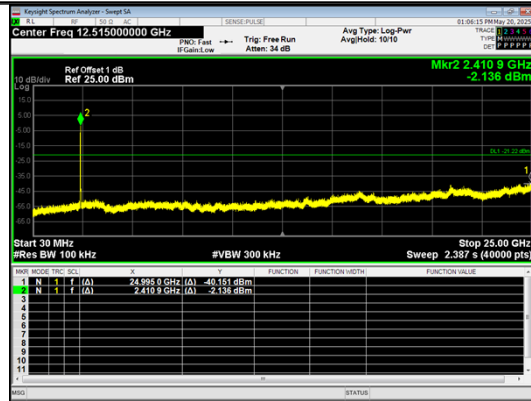
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 11_20MHz_Antenna 0



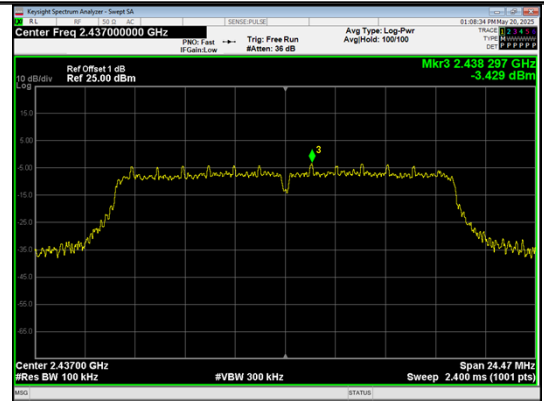
In-Band Reference Level
IEEE 802.11g_Channel 1_20MHz_Antenna 0



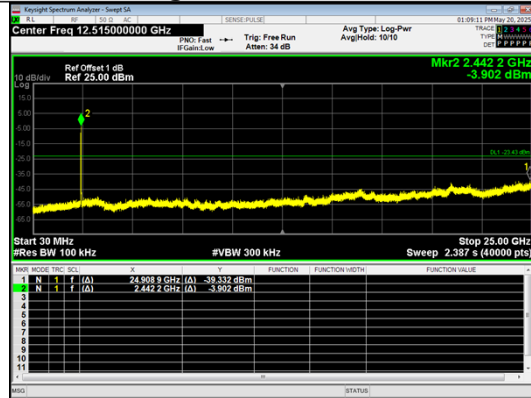
Out Of Band Emission
IEEE 802.11g_Channel 1_20MHz_Antenna 0



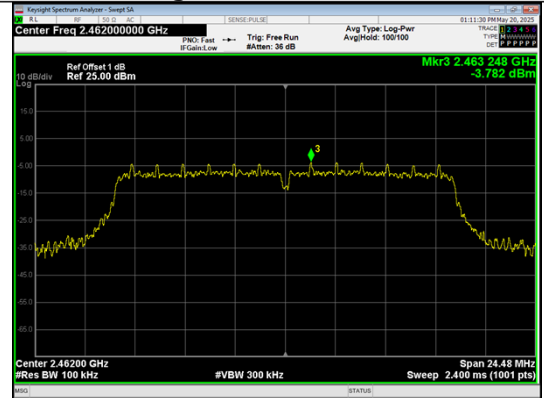
30.0 MHz - 25000.0 MHz
IEEE 802.11g_Channel 1_20MHz_Antenna 0



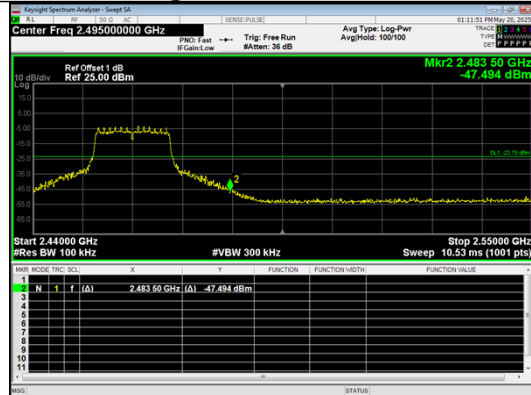
In-Band Reference Level
IEEE 802.11g_Channel 6_20MHz_Antenna 0



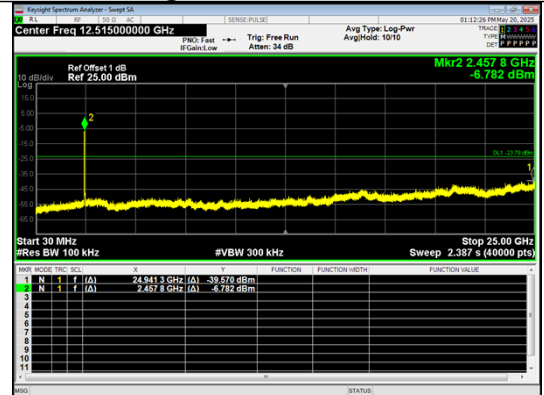
30.0 MHz - 25000.0 MHz
IEEE 802.11g_Channel 6_20MHz_Antenna 0



In-Band Reference Level
IEEE 802.11g_Channel 11_20MHz_Antenna 0



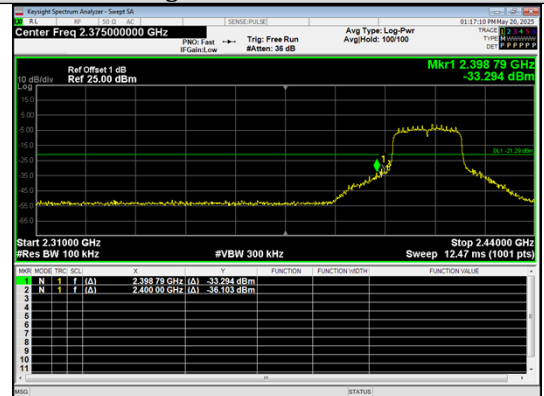
Out Of Band Emission
IEEE 802.11g_Channel 11_20MHz_Antenna 0



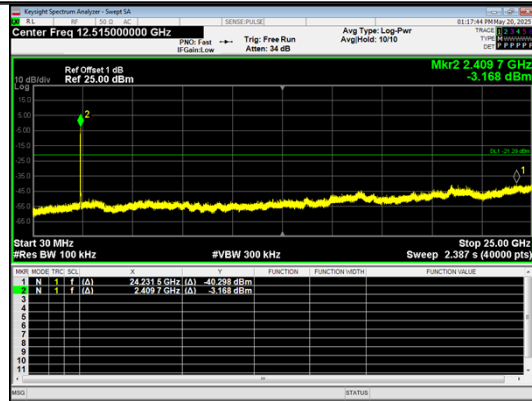
30.0 MHz - 25000.0 MHz
IEEE 802.11g_Channel 11_20MHz_Antenna 0



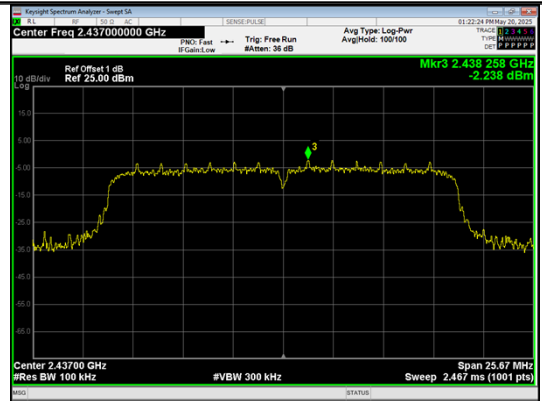
In-Band Reference Level
IEEE 802.11n_Channel 1_20MHz_Antenna 0



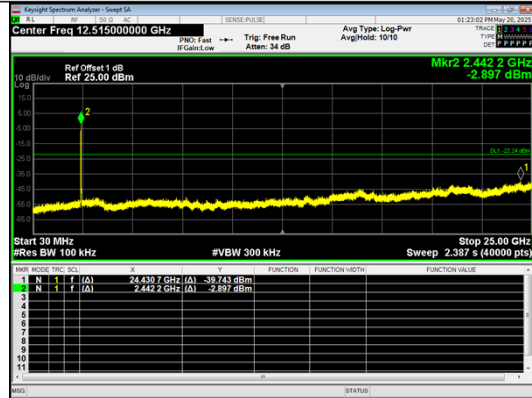
Out Of Band Emission
IEEE 802.11n_Channel 1_20MHz_Antenna 0



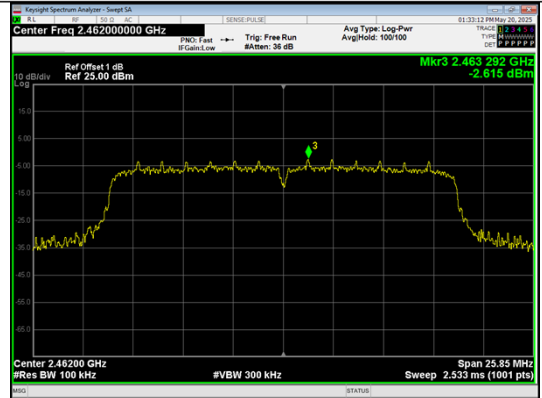
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 1_20MHz_Antenna 0



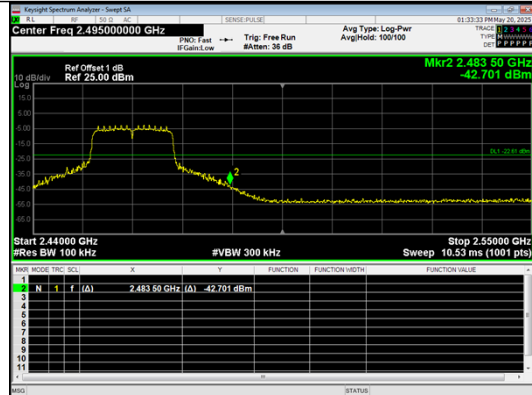
In-Band Reference Level
IEEE 802.11n_Channel 6_20MHz_Antenna 0



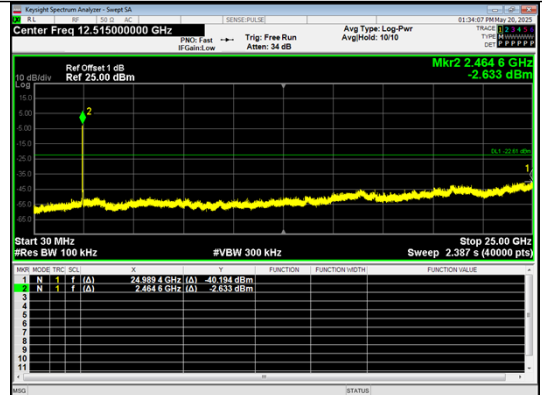
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 6_20MHz_Antenna 0



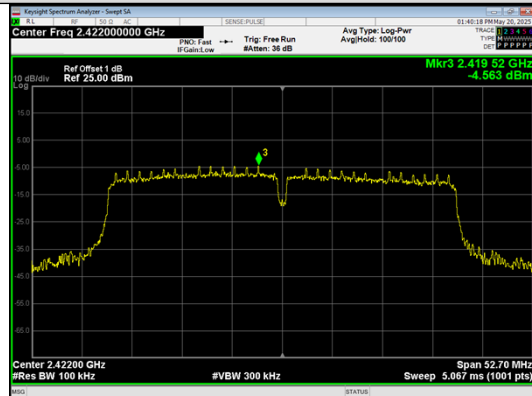
In-Band Reference Level
IEEE 802.11n_Channel 11_20MHz_Antenna 0



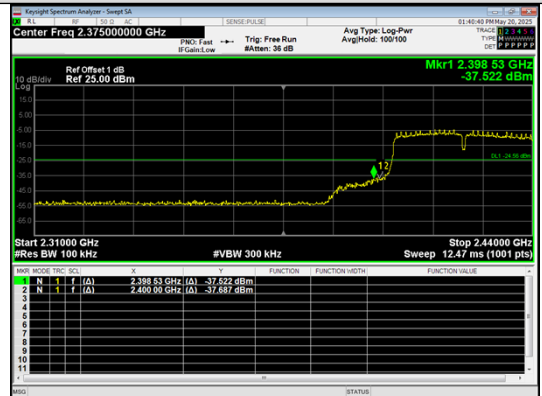
Out Of Band Emission
IEEE 802.11n_Channel 11_20MHz_Antenna 0



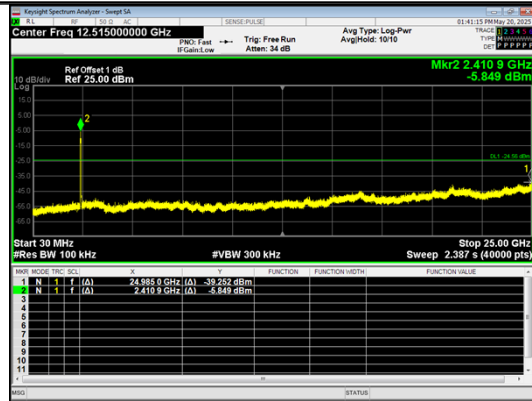
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 11_20MHz_Antenna 0



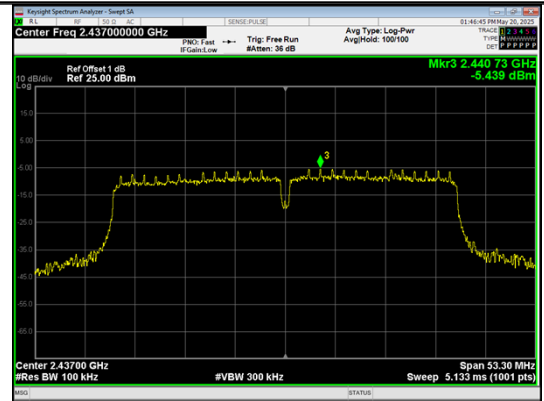
In-Band Reference Level
IEEE 802.11n_Channel 3_40MHz_Antenna 0



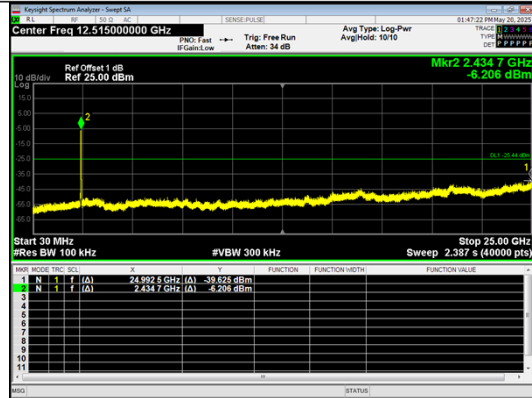
Out Of Band Emission
IEEE 802.11n_Channel 3_40MHz_Antenna 0



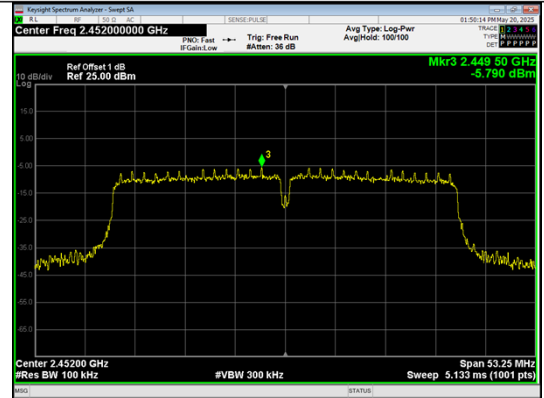
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 3_40MHz_Antenna 0



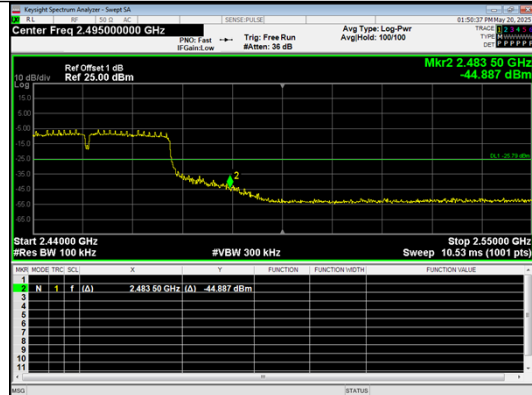
In-Band Reference Level
IEEE 802.11n_Channel 6_40MHz_Antenna 0



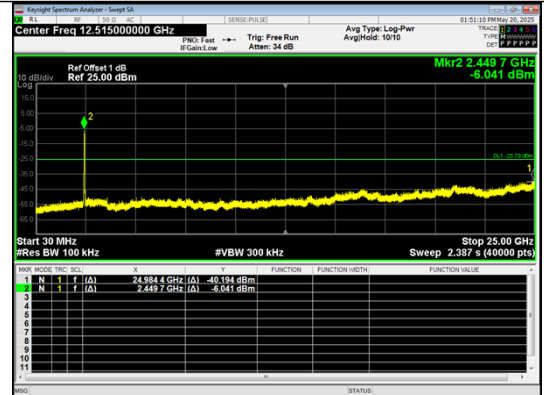
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 6_40MHz_Antenna 0



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 *****