

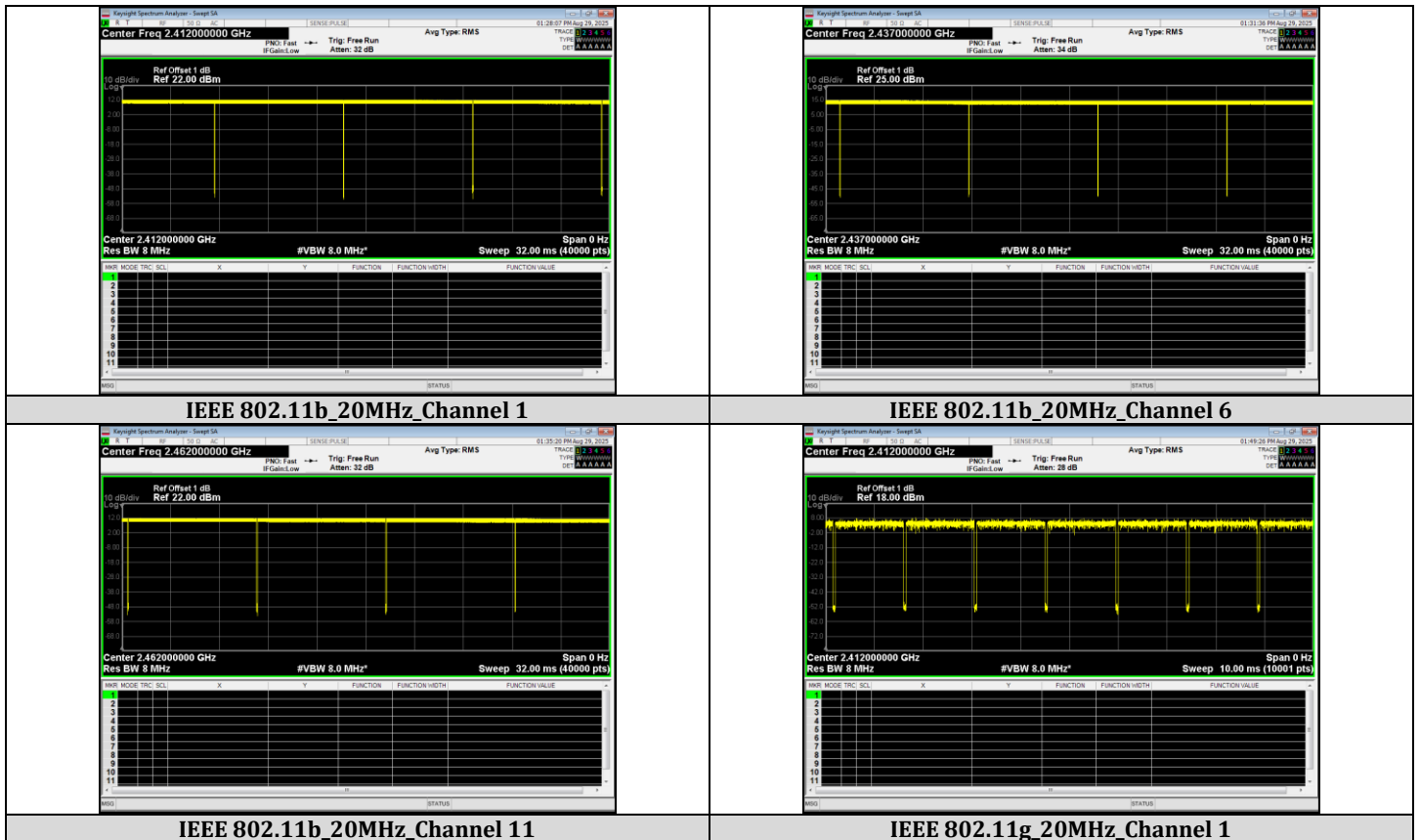


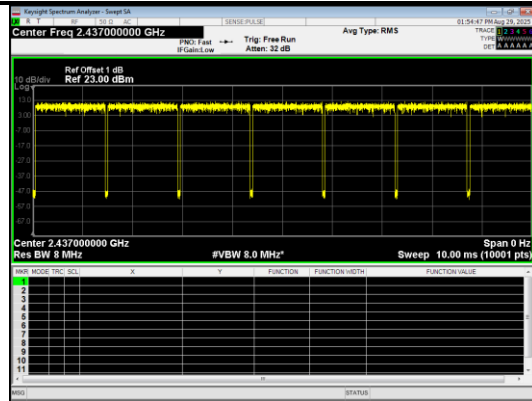
Duty Cycle

Test Result

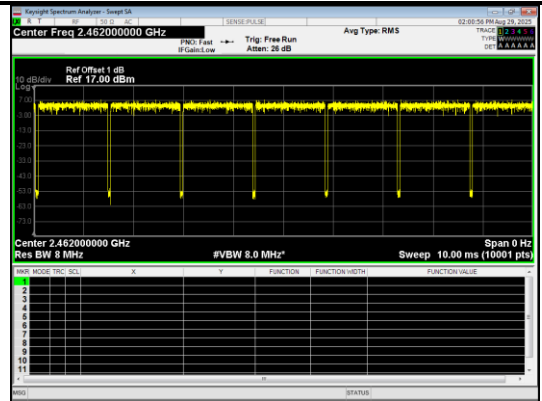
Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11b	1	1	1	8.416	8.464	99.43	0.9943	0.0248	0.1188
		6		8.416	8.464	99.43	0.9943	0.0248	0.1188
		11		8.416	8.464	99.43	0.9943	0.0248	0.1188
IEEE 802.11g		1		1.400	1.451	96.49	0.9649	0.1552	0.7143
		6		1.400	1.451	96.49	0.9649	0.1552	0.7143
		11		1.400	1.451	96.49	0.9649	0.1552	0.7143
IEEE 802.11n_20	MCS 0	1		1.184	1.236	95.79	0.9579	0.1868	0.8446
		6		1.184	1.236	95.79	0.9579	0.1868	0.8446
		11		1.184	1.236	95.79	0.9579	0.1868	0.8446
IEEE 802.11n_40		3	0.589	0.641	91.89	0.9189	0.3673	1.6978	
		6	0.589	0.640	91.95	0.9195	0.3645	1.6978	
		9	0.589	0.640	91.95	0.9195	0.3645	1.6978	

Test Graphs

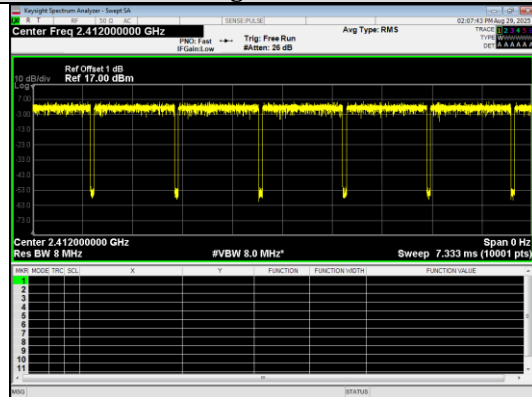




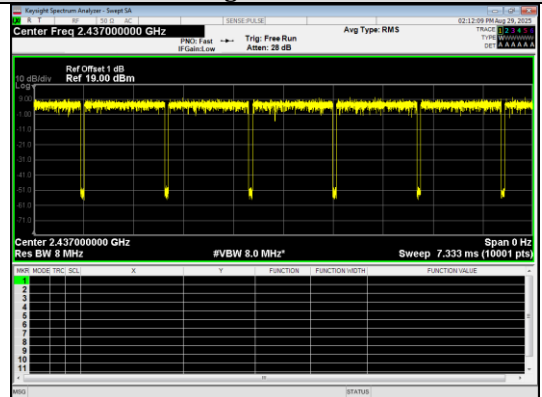
IEEE 802.11g 20MHz_Channel 6



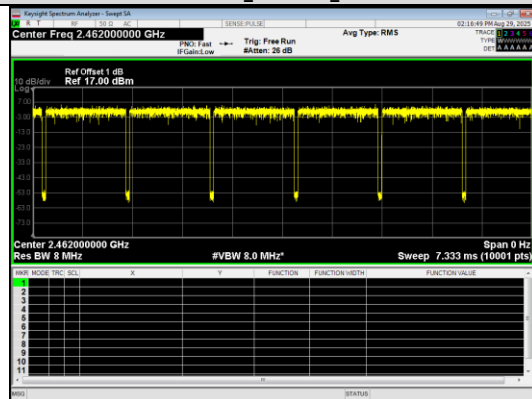
IEEE 802.11g 20MHz_Channel 11



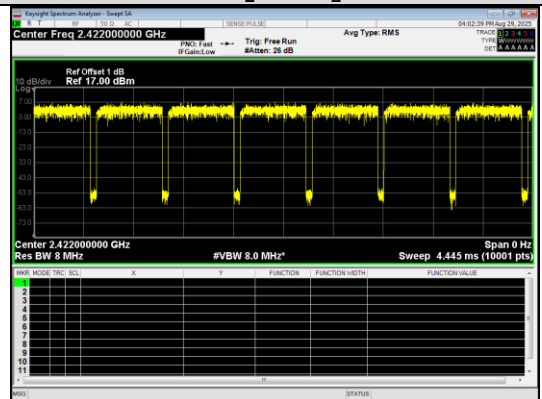
IEEE 802.11n 20MHz_Channel 1



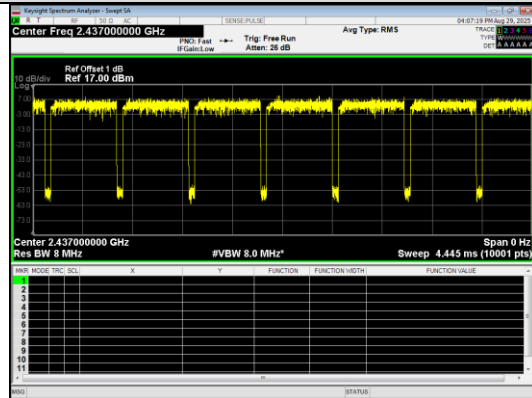
IEEE 802.11n 20MHz_Channel 6



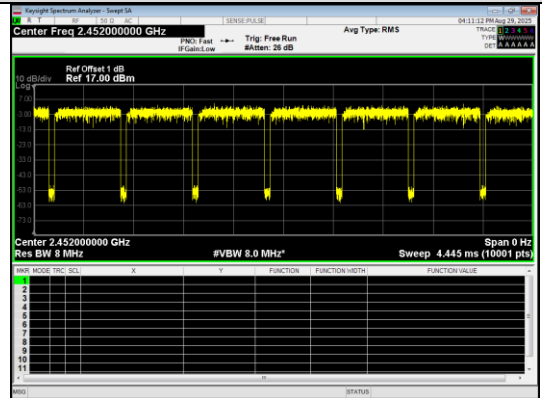
IEEE 802.11n 20MHz_Channel 11



IEEE 802.11n 40MHz_Channel 3



IEEE 802.11n 40MHz_Channel 6



IEEE 802.11n 40MHz_Channel 9

**Conducted Peak Output Power****Test Result**

Conducted Output Power

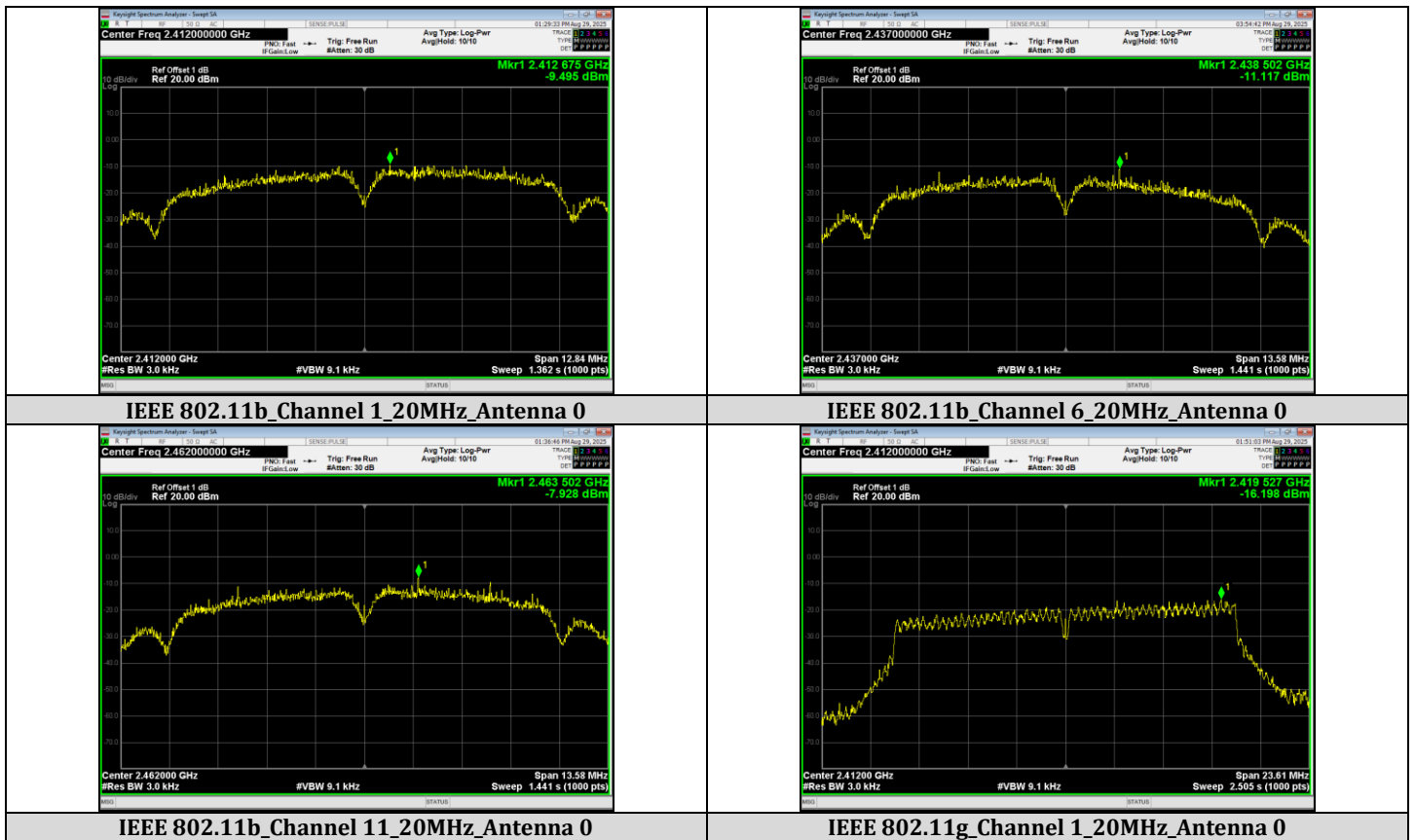
Mode	Channel	Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11b	1	14.97	≤30	PASS
	6	15.17	≤30	PASS
	11	14.04	≤30	PASS
IEEE 802.11g	1	14.81	≤30	PASS
	6	13.73	≤30	PASS
	11	13.87	≤30	PASS
IEEE 802.11n_20	1	12.61	≤30	PASS
	6	13.10	≤30	PASS
	11	12.28	≤30	PASS
IEEE 802.11n_40	3	14.96	≤30	PASS
	6	15.69	≤30	PASS
	9	13.92	≤30	PASS

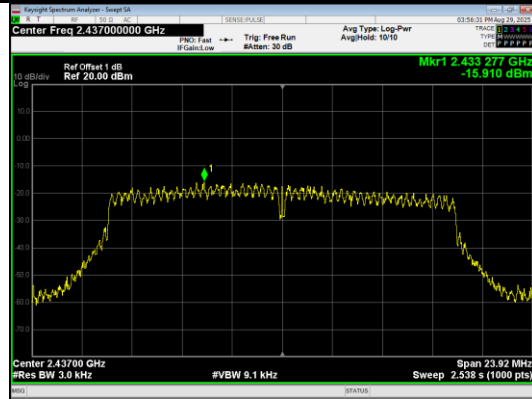
Power Spectral Density

Test Result

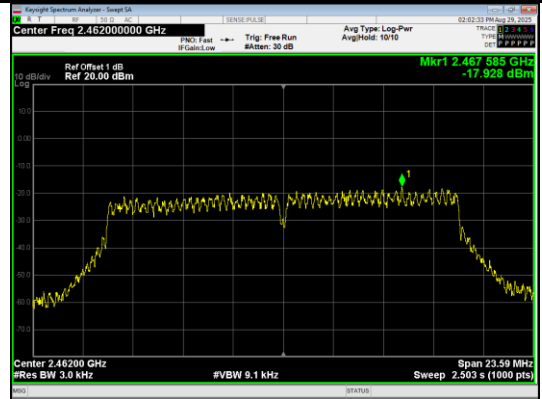
Mode	Channel	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
IEEE 802.11b	1	-9.490	≤8	PASS
	6	-11.120		PASS
	11	-7.930		PASS
IEEE 802.11g	1	-16.200		PASS
	6	-15.910		PASS
	11	-17.930		PASS
IEEE 802.11n_20	1	-19.670		PASS
	6	-14.970		PASS
	11	-19.530		PASS
IEEE 802.11n_40	3	-18.240		PASS
	6	-18.140		PASS
	9	-19.640		PASS

Test Graphs

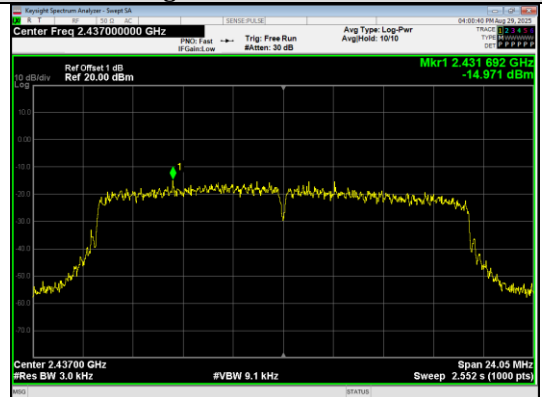
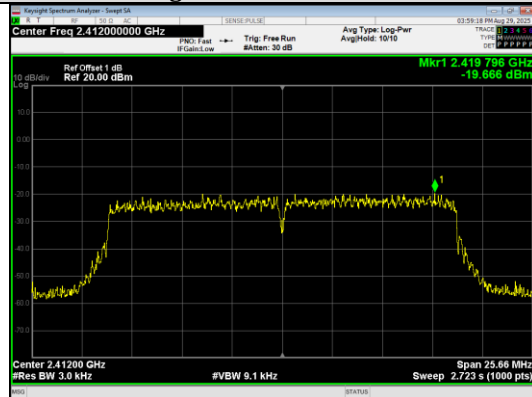




IEEE 802.11g_Channel 6_20MHz_Antenna 0

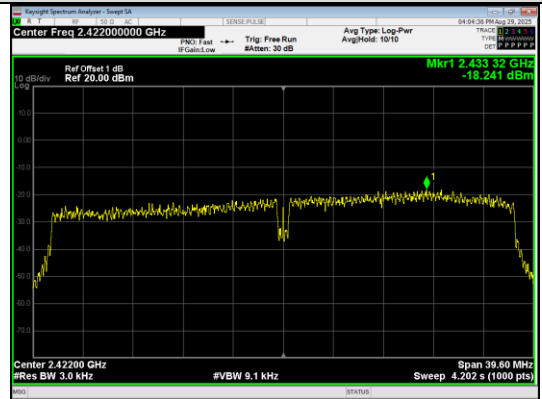
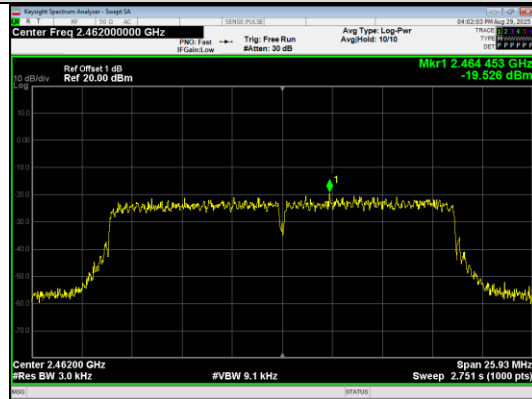


IEEE 802.11g_Channel 11_20MHz_Antenna 0



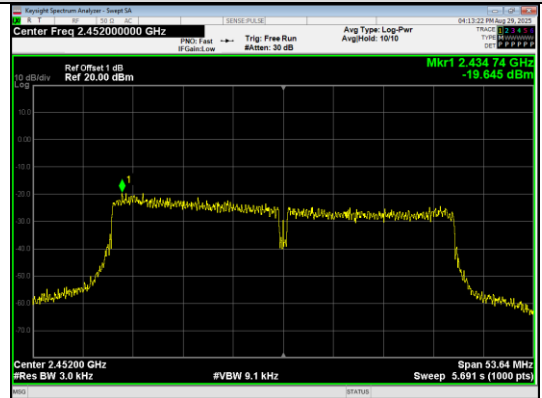
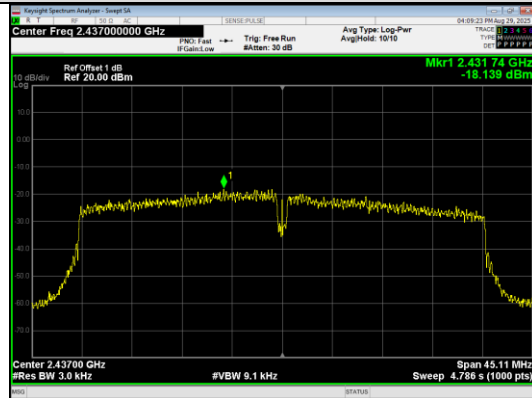
IEEE 802.11n_Channel 1_20MHz_Antenna 0

IEEE 802.11n_Channel 6_20MHz_Antenna 0



IEEE 802.11n_Channel 11_20MHz_Antenna 0

IEEE 802.11n_Channel 3_40MHz_Antenna 0

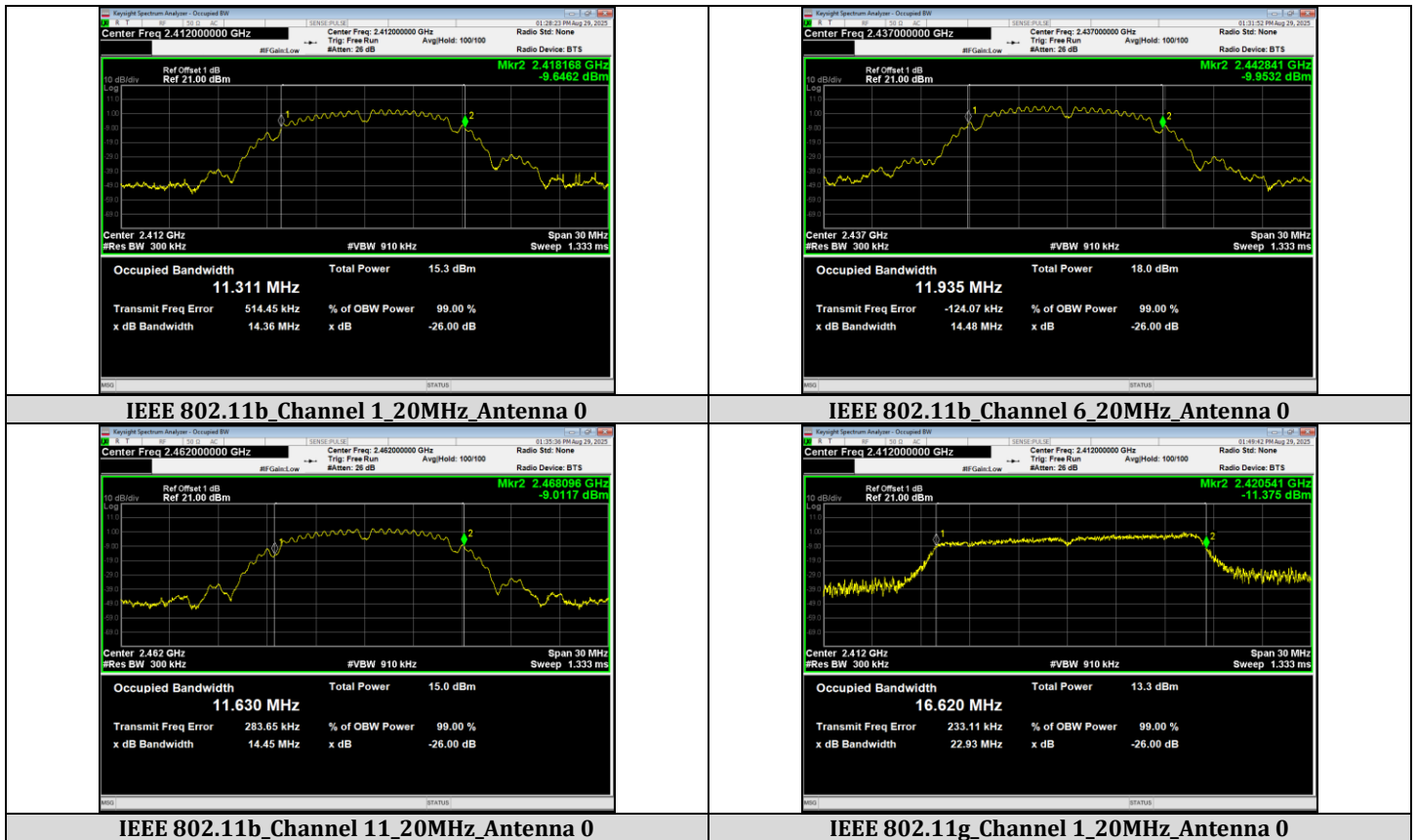


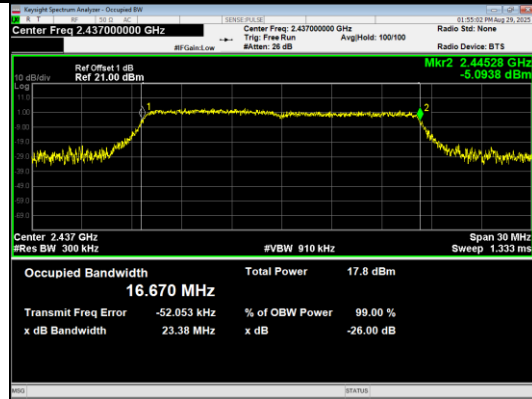
IEEE 802.11n_Channel 6_40MHz_Antenna 0

IEEE 802.11n_Channel 9_40MHz_Antenna 0

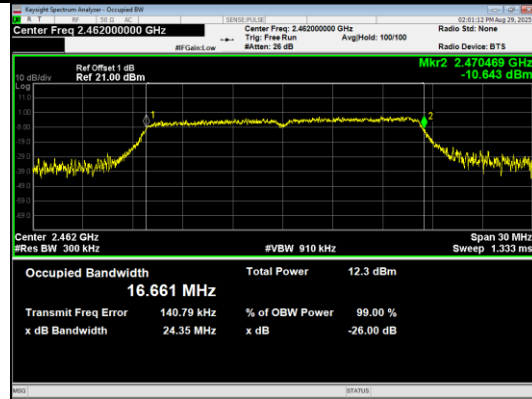
**99% Bandwidth****Test Result**

Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11b	1	0	2412	11.311
	6		2437	11.935
	11		2462	11.630
IEEE 802.11g	1		2412	16.620
	6		2437	16.670
	11		2462	16.661
IEEE 802.11n_20	1		2412	17.683
	6		2437	17.382
	11		2462	17.697
IEEE 802.11n_40	3		2422	35.907
	6		2437	35.530
	9		2452	36.377

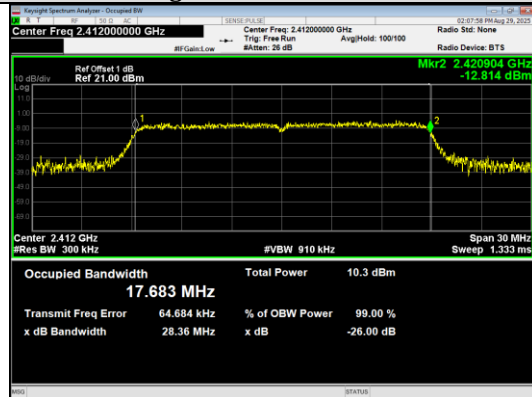
Test Graphs



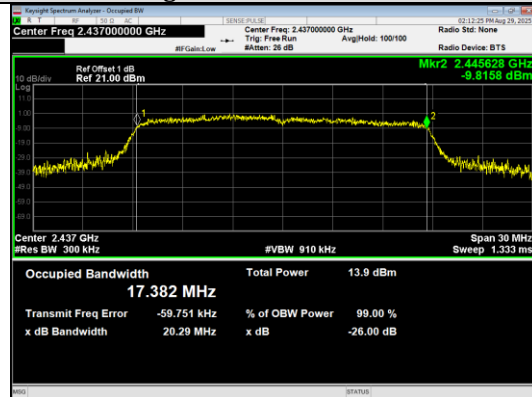
IEEE 802.11g_Channel 6_20MHz_Antenna 0



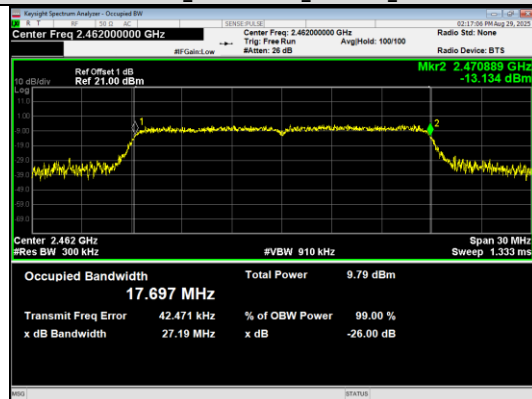
IEEE 802.11g_Channel 11_20MHz_Antenna 0



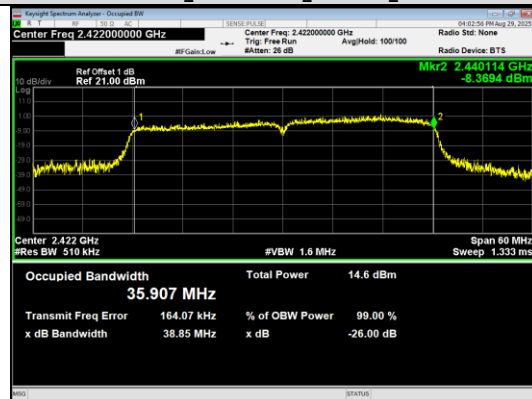
IEEE 802.11g_Channel 6_20MHz_Antenna 0



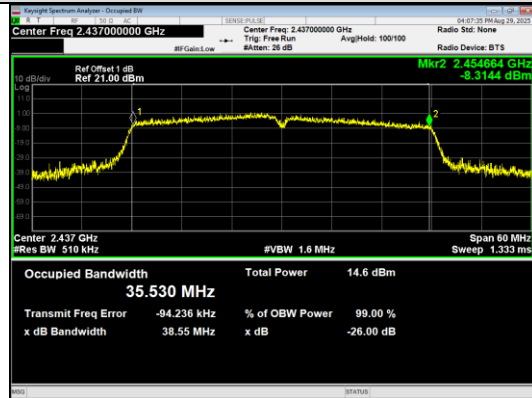
IEEE 802.11g_Channel 11_20MHz_Antenna 0



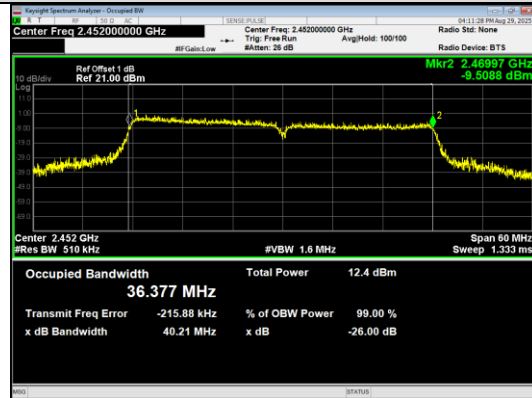
IEEE 802.11n_Channel 1_20MHz_Antenna 0



IEEE 802.11n_Channel 6_20MHz_Antenna 0



IEEE 802.11n_Channel 11_20MHz_Antenna 0



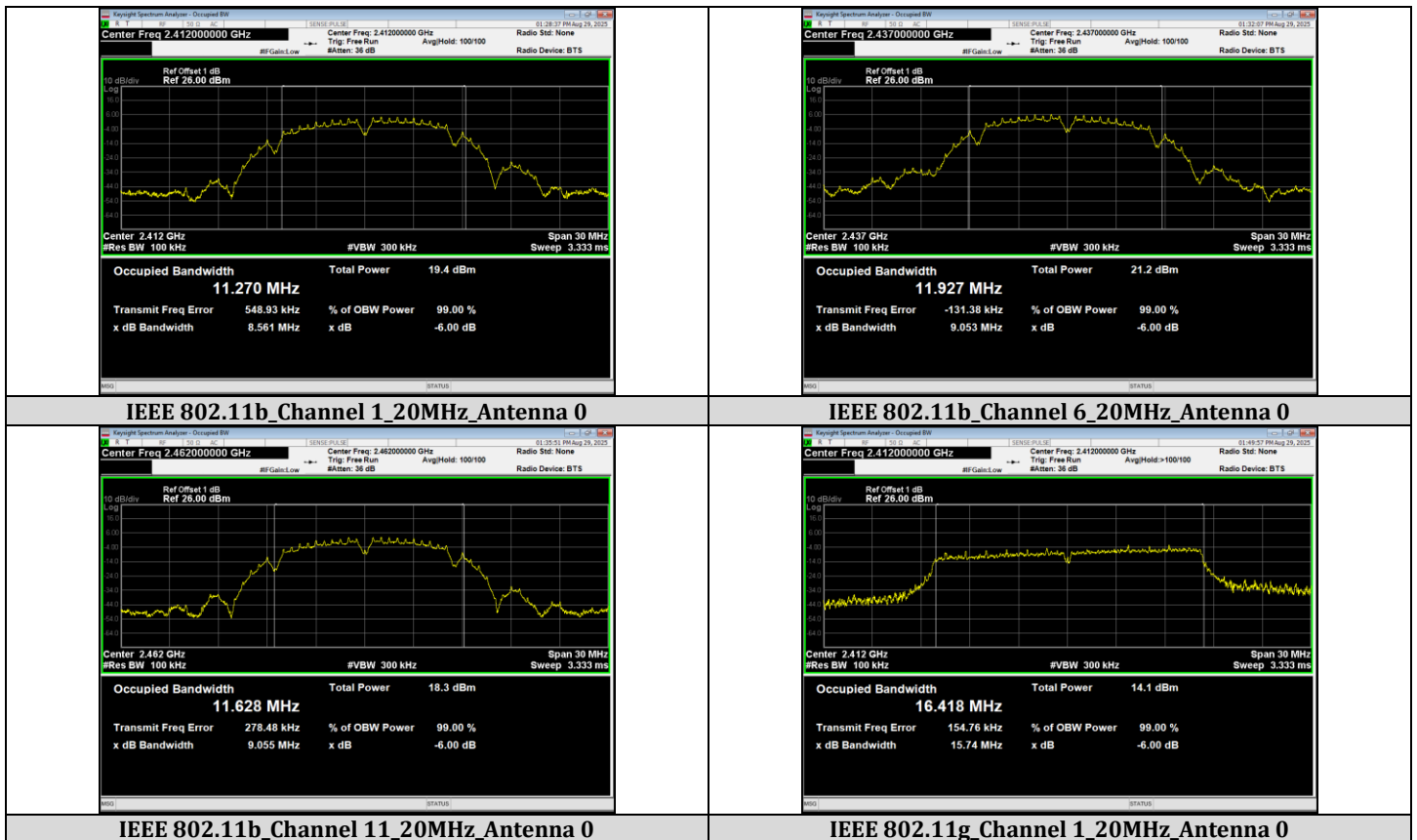
IEEE 802.11n_Channel 3_40MHz_Antenna 0

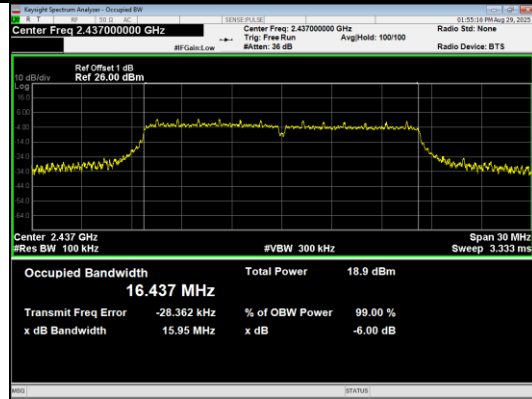
6dB Bandwidth

Test Result

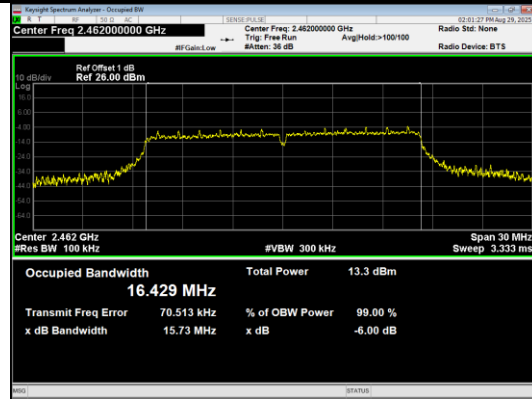
Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11b	1	0	2412	8.560	≥0.5	PASS
	6		2437	9.050		PASS
	11		2462	9.050		PASS
IEEE 802.11g	1		2412	15.74		PASS
	6		2437	15.95		PASS
	11		2462	15.73		PASS
IEEE 802.11n_20	1		2412	17.11		PASS
	6		2437	16.03		PASS
	11		2462	17.29		PASS
IEEE 802.11n_40	3		2422	26.40		PASS
	6		2437	30.07		PASS
	9		2452	35.76		PASS

Test Graphs

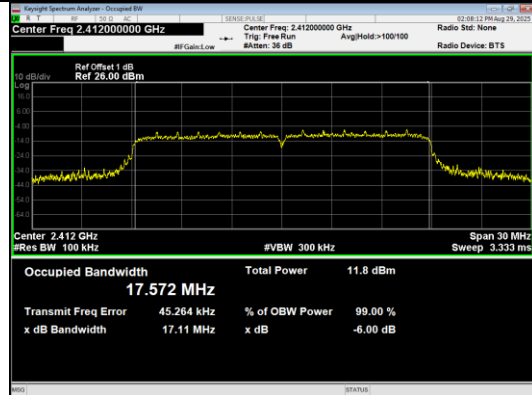




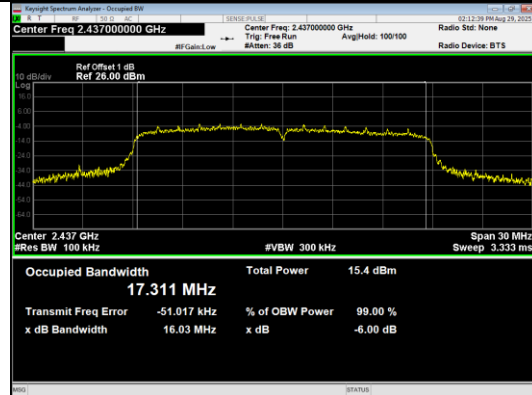
IEEE 802.11g_Channel 6_20MHz_Antenna 0



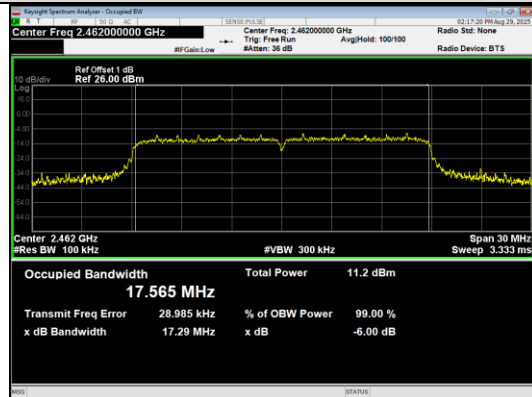
IEEE 802.11g_Channel 11_20MHz_Antenna 0



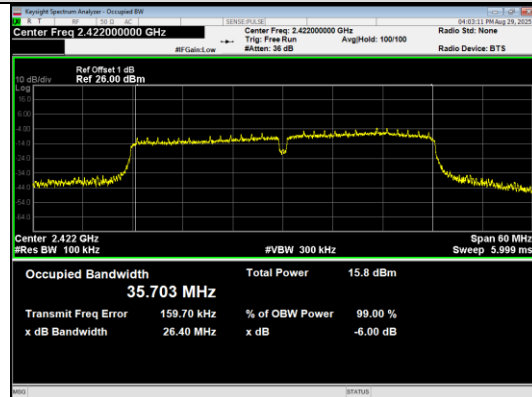
IEEE 802.11n_Channel 1_20MHz_Antenna 0



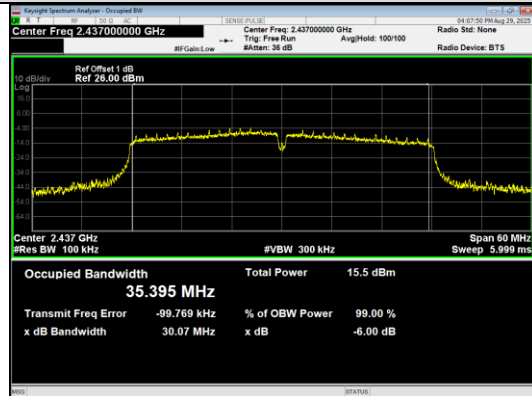
IEEE 802.11n_Channel 6_20MHz_Antenna 0



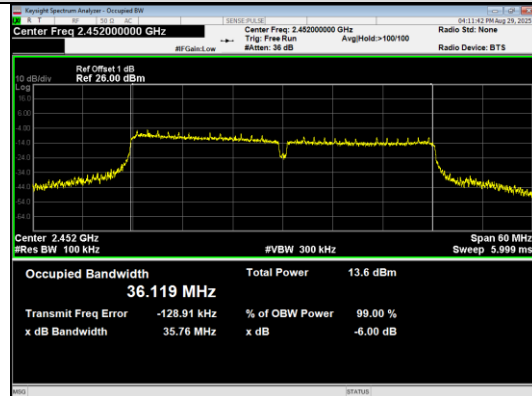
IEEE 802.11n_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 3_40MHz_Antenna 0



IEEE 802.11n_Channel 6_40MHz_Antenna 0



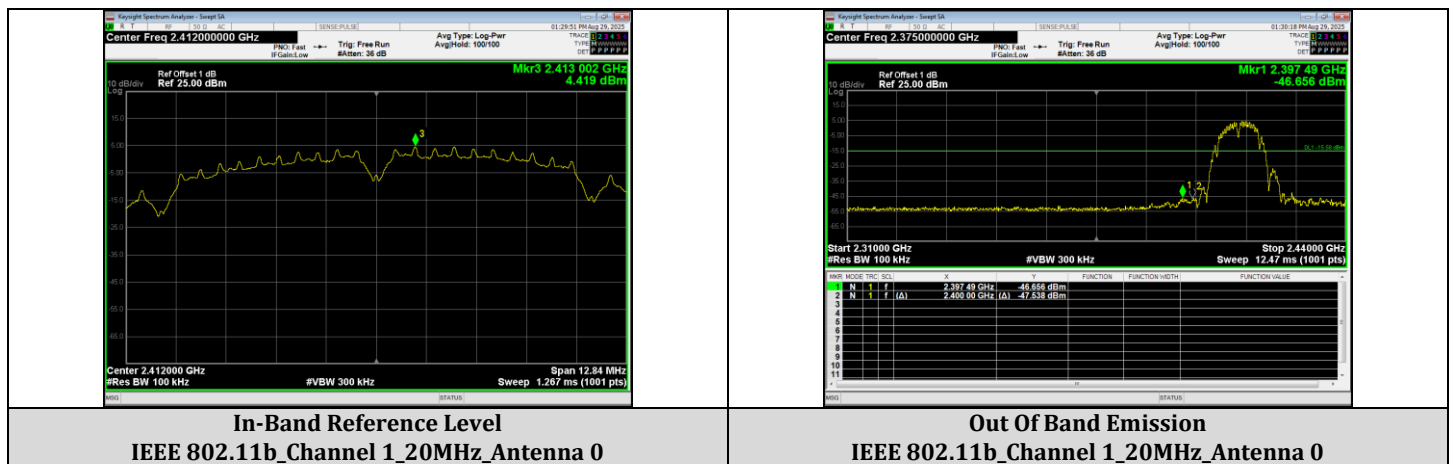
IEEE 802.11n_Channel 9_40MHz_Antenna 0

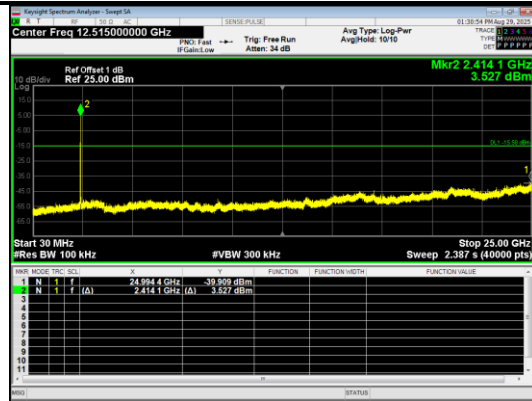
Conducted Out Of Band Emission

Test Result

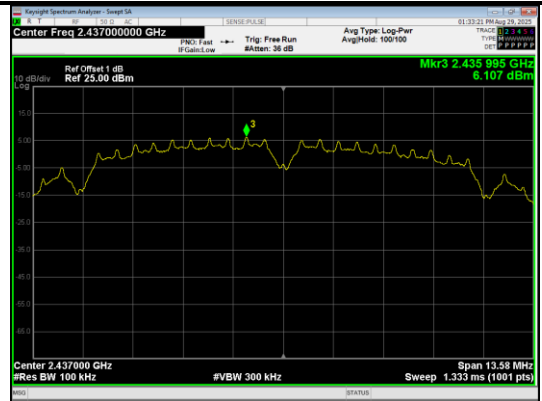
Mode	Channel	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
IEEE 802.11b	1	0	2397.49	-46.656	-15.58	-31.076	PASS
			2400.00	-47.540	-15.58	-31.960	PASS
	6		24994.4	-39.909	-15.58	-24.329	PASS
			24939.4	-39.958	-13.89	-26.068	PASS
	11		2483.50	-53.120	-16.86	-36.260	PASS
			24989.4	-40.061	-16.86	-23.201	PASS
IEEE 802.11g	1		2398.92	-37.844	-21.26	-16.584	PASS
			2400.00	-38.490	-21.26	-17.230	PASS
	6		24903.2	-38.490	-21.26	-17.230	PASS
			24887.0	-39.844	-18.3	-21.544	PASS
	11		2483.50	-49.770	-23.13	-26.640	PASS
			24922.6	-39.921	-23.13	-16.791	PASS
IEEE 802.11n_20	1		2398.79	-35.477	-26.14	-9.337	PASS
			2400.00	-35.760	-26.14	-9.620	PASS
	6		24322.7	-40.201	-26.14	-14.061	PASS
			24941.3	-40.317	-22.06	-18.257	PASS
	11		2483.50	-49.850	-26.8	-23.050	PASS
			24852.7	-39.112	-26.8	-12.312	PASS
IEEE 802.11n_40	3		2394.89	-34.789	-23.04	-11.749	PASS
			2400.00	-38.320	-23.04	-15.280	PASS
	6		24963.2	-40.461	-23.04	-17.421	PASS
			24863.9	-38.862	-23.28	-15.582	PASS
	9		2483.50	-48.630	-24.82	-23.810	PASS
			24219.0	-38.908	-24.82	-14.088	PASS

Test Graphs

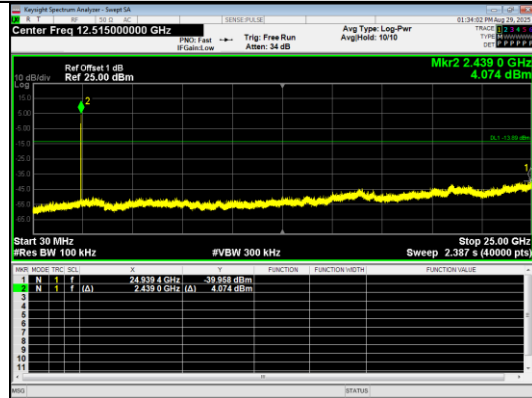




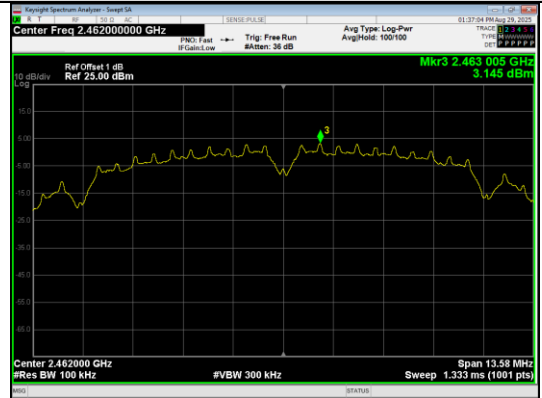
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 1_20MHz_Antenna 0



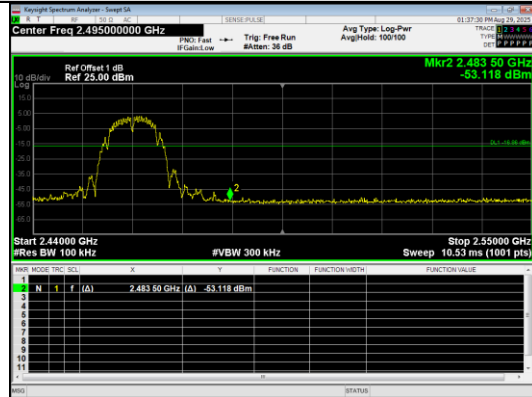
In-Band Reference Level
IEEE 802.11b_Channel 6_20MHz_Antenna 0



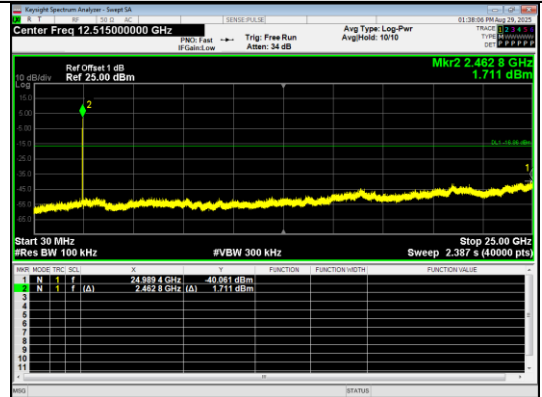
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 6_20MHz_Antenna 0



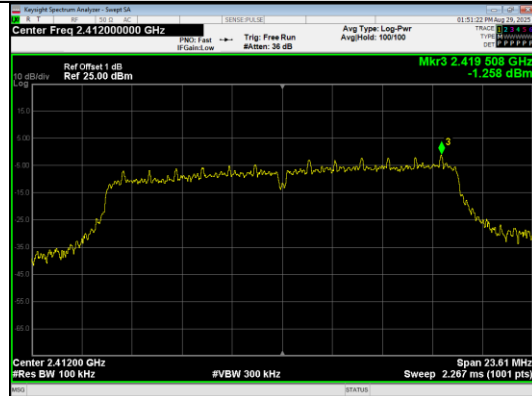
In-Band Reference Level
IEEE 802.11b_Channel 11_20MHz_Antenna 0



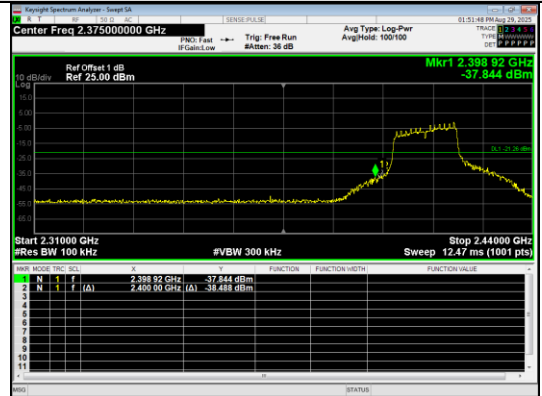
Out Of Band Emission
IEEE 802.11b_Channel 11_20MHz_Antenna 0



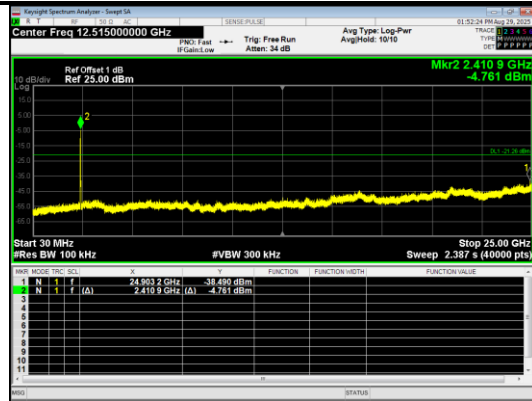
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 11_20MHz_Antenna 0



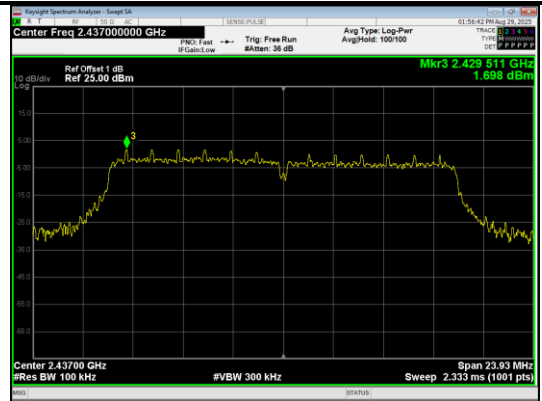
In-Band Reference Level
IEEE 802.11g_Channel 1_20MHz_Antenna 0



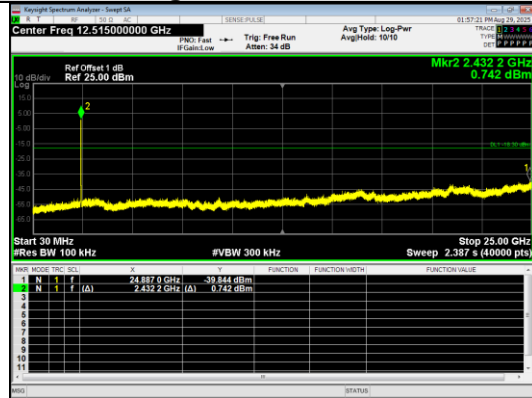
Out Of Band Emission
IEEE 802.11g_Channel 1_20MHz_Antenna 0



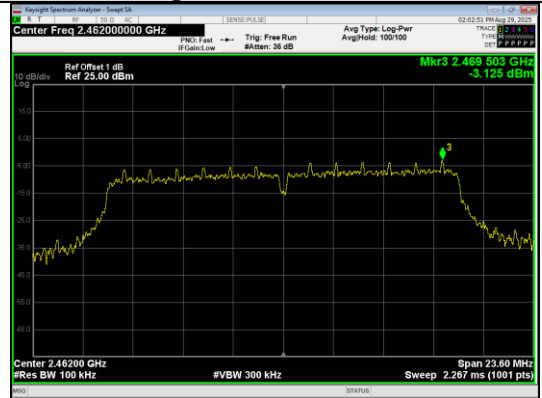
30.0 MHz - 25000.0 MHz
IEEE 802.11g_Channel 1_20MHz_Antenna 0



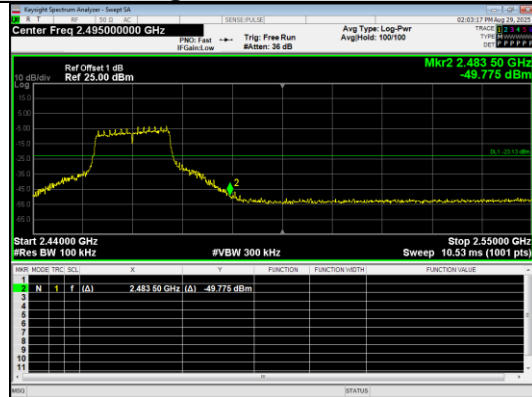
In-Band Reference Level
IEEE 802.11g_Channel 6_20MHz_Antenna 0



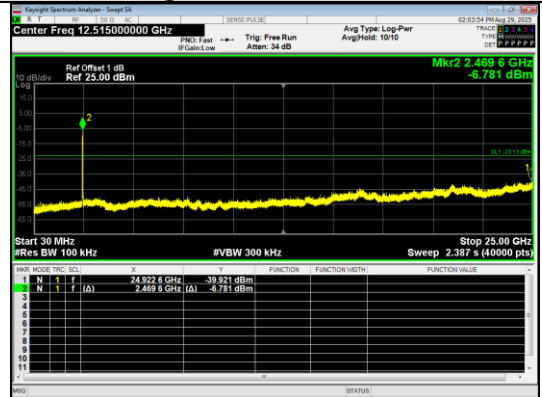
30.0 MHz - 25000.0 MHz
IEEE 802.11g_Channel 6_20MHz_Antenna 0



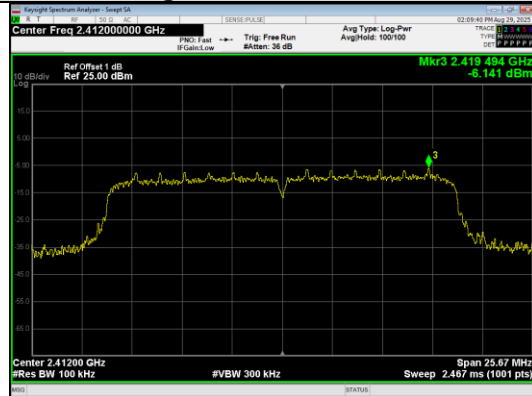
In-Band Reference Level
IEEE 802.11g_Channel 11_20MHz_Antenna 0



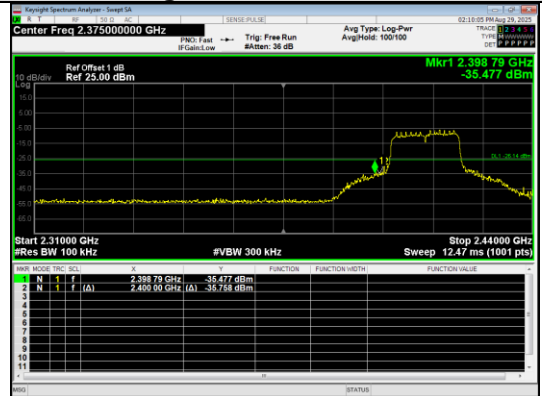
Out Of Band Emission
IEEE 802.11g_Channel 11_20MHz_Antenna 0



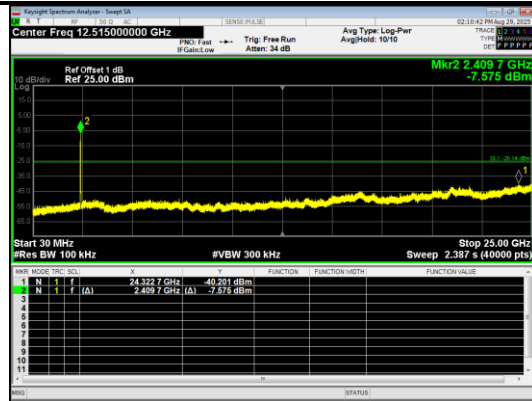
30.0 MHz - 25000.0 MHz
IEEE 802.11g_Channel 11_20MHz_Antenna 0



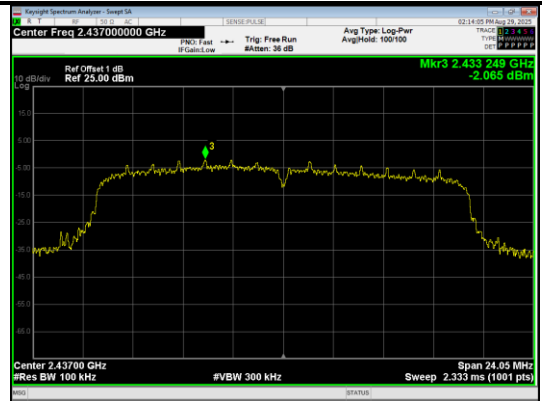
In-Band Reference Level
IEEE 802.11n_Channel 1_20MHz_Antenna 0



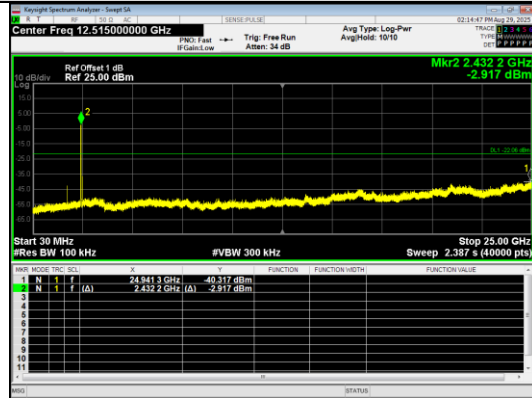
Out Of Band Emission
IEEE 802.11n_Channel 1_20MHz_Antenna 0



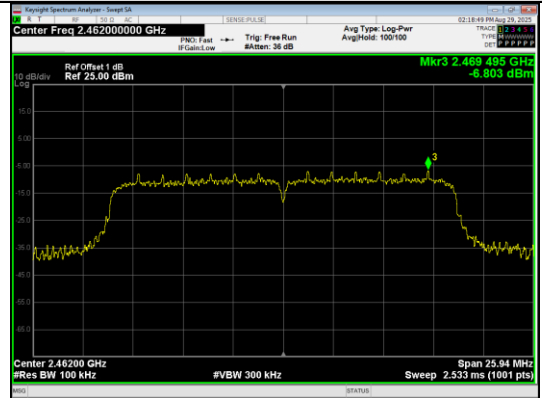
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 1_20MHz_Antenna 0



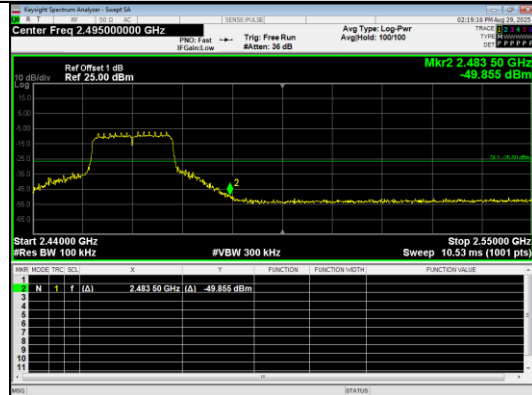
In-Band Reference Level
IEEE 802.11n_Channel 6_20MHz_Antenna 0



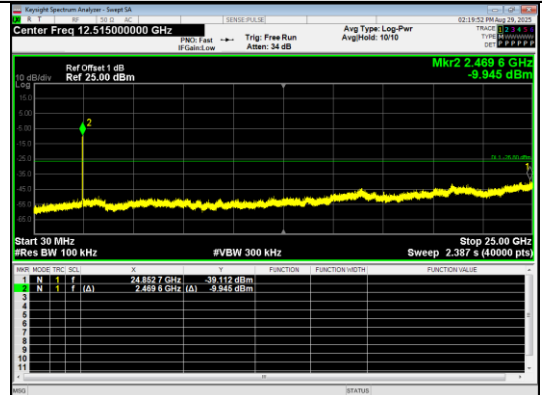
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 6_20MHz_Antenna 0



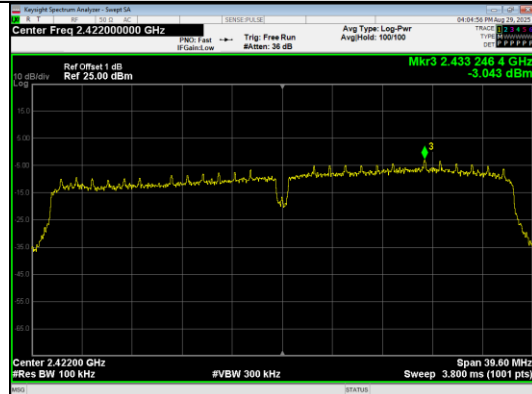
In-Band Reference Level
IEEE 802.11n_Channel 11_20MHz_Antenna 0



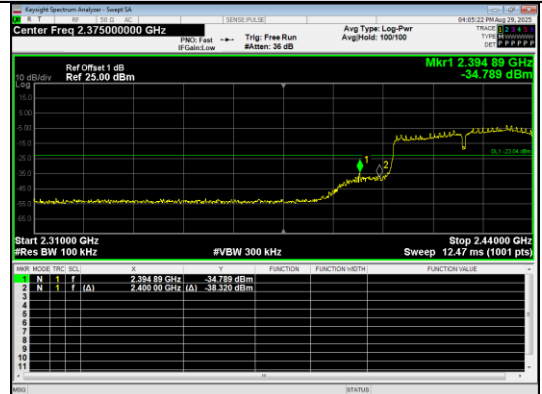
Out Of Band Emission
IEEE 802.11n_Channel 11_20MHz_Antenna 0



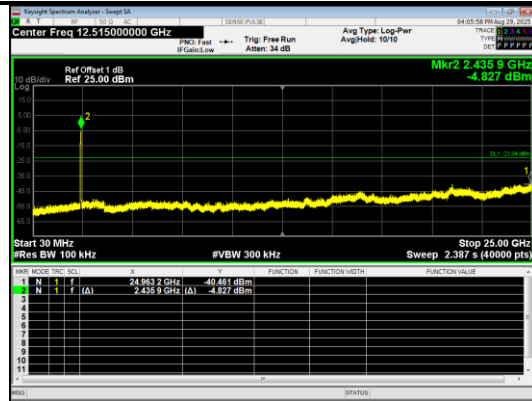
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 11_20MHz_Antenna 0



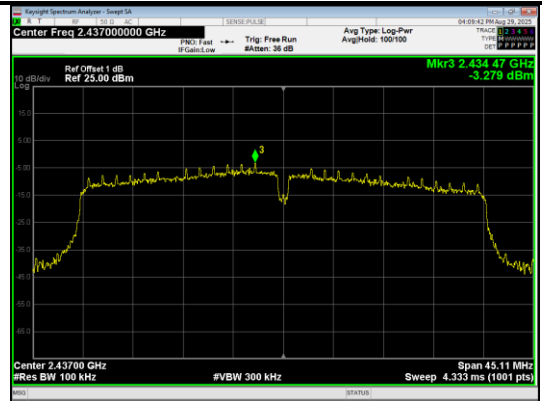
In-Band Reference Level
IEEE 802.11n_Channel 3_40MHz_Antenna 0



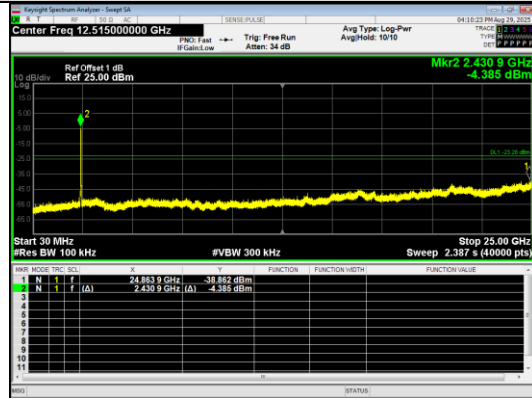
Out Of Band Emission
IEEE 802.11n_Channel 3_40MHz_Antenna 0



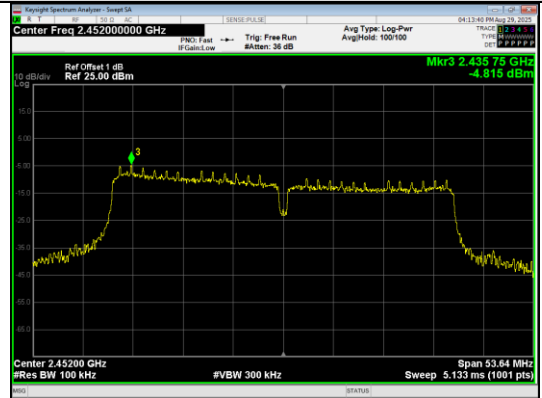
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 3_40MHz_Antenna 0



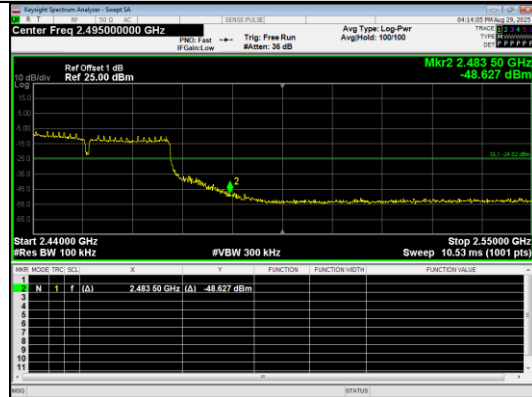
In-Band Reference Level
IEEE 802.11n_Channel 6_40MHz_Antenna 0



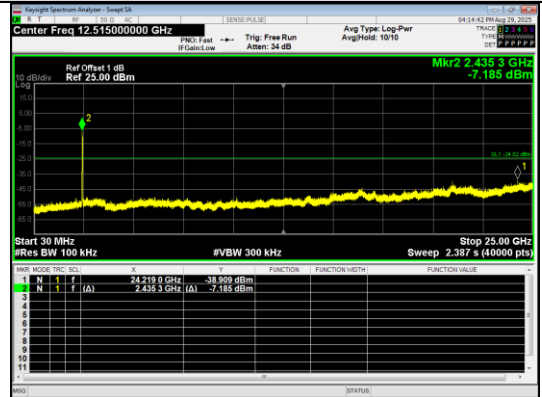
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 6_40MHz_Antenna 0



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 *****