



Conducted Output Power

Test Result

Conducted Output Power

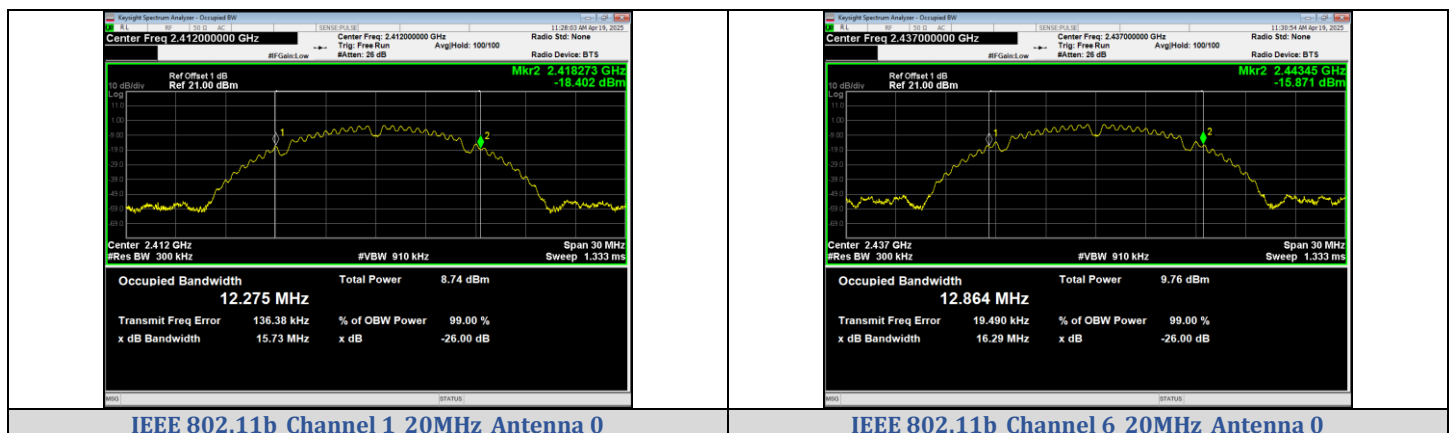
Mode	Channel	Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11b	1	7.50	≤30	PASS
	6	8.66	≤30	PASS
	11	6.54	≤30	PASS
IEEE 802.11g	1	8.15	≤30	PASS
	6	9.02	≤30	PASS
	11	8.46	≤30	PASS
IEEE 802.11n_20	1	8.29	≤30	PASS
	6	8.96	≤30	PASS
	11	8.52	≤30	PASS
IEEE 802.11n_40	3	9.07	≤30	PASS
	6	9.37	≤30	PASS
	9	8.43	≤30	PASS

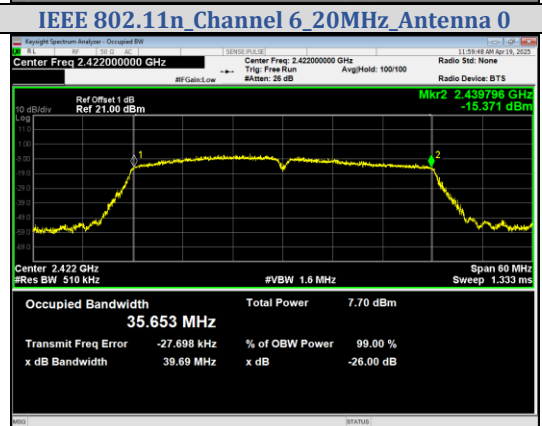
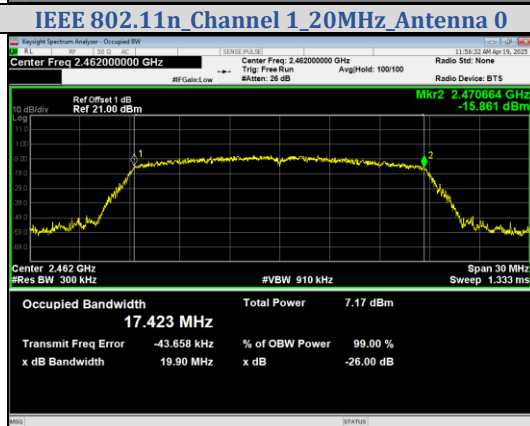
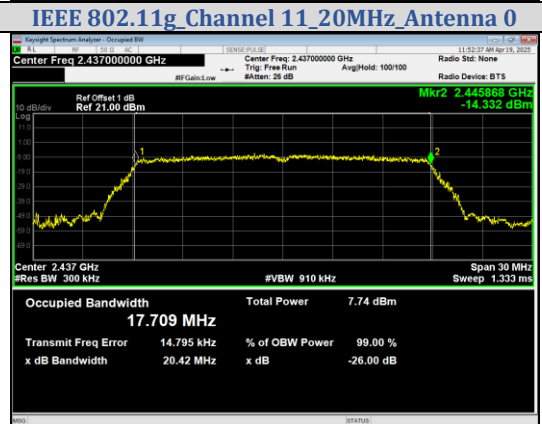
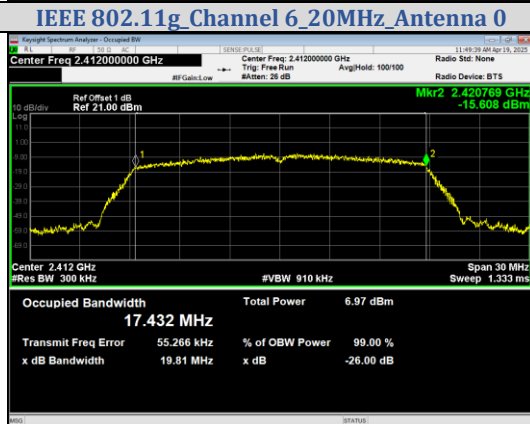
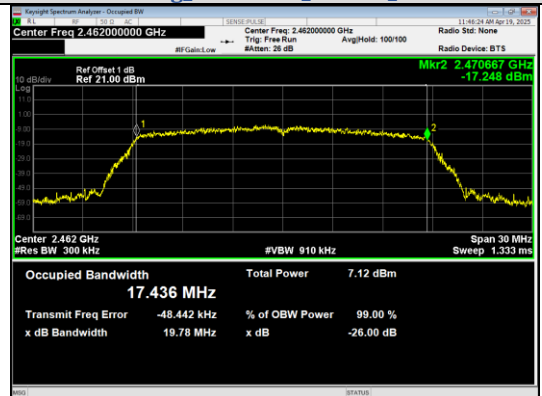
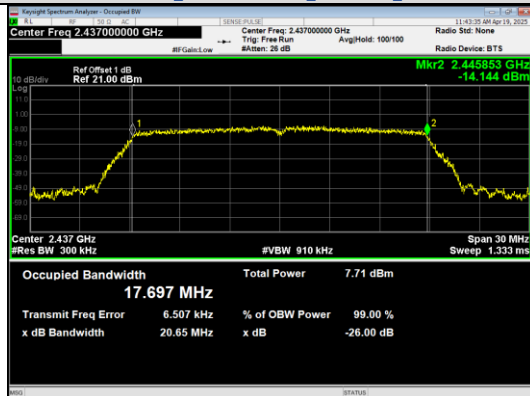
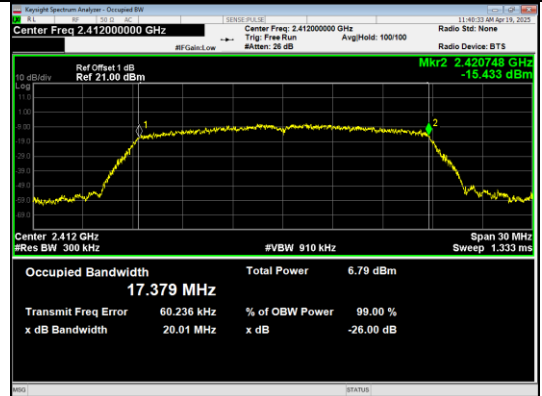
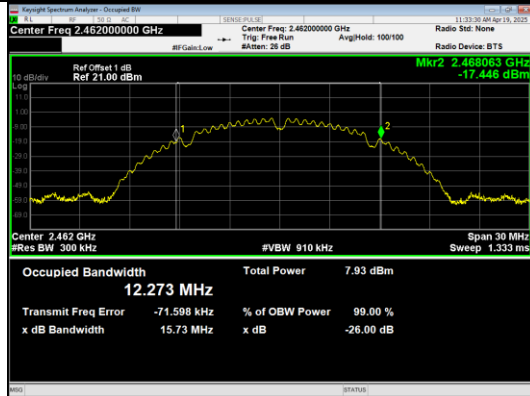
99% Bandwidth

Test Result

Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11b	1	2412	12.275
	6	2437	12.864
	11	2462	12.273
IEEE 802.11g	1	2412	17.379
	6	2437	17.697
	11	2462	17.436
IEEE 802.11n_20	1	2412	17.432
	6	2437	17.709
	11	2462	17.423
IEEE 802.11n_40	3	2422	35.653
	6	2437	36.418
	9	2452	35.637

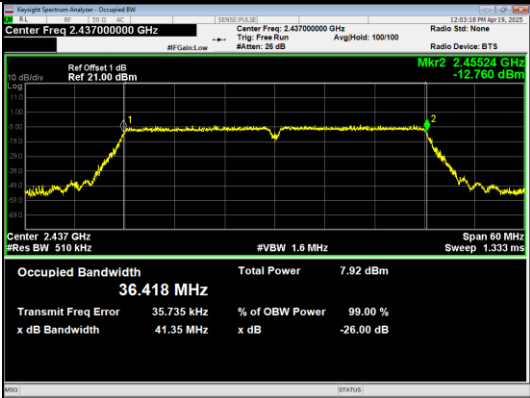
Test Graphs



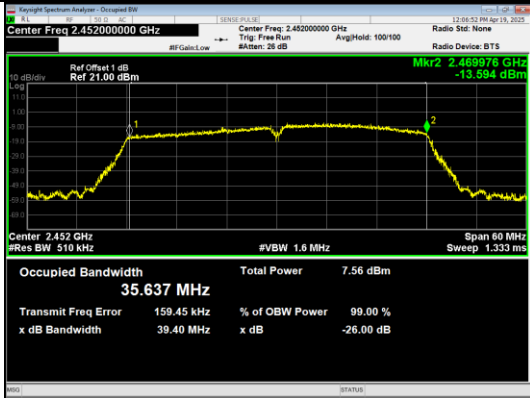


IEEE 802.11n_Channel 11_20MHz_Antenna 0

IEEE 802.11n_Channel 3_40MHz_Antenna 0



IEEE 802.11n_Channel 6_40MHz_Antenna 0



IEEE 802.11n_Channel 9_40MHz_Antenna 0

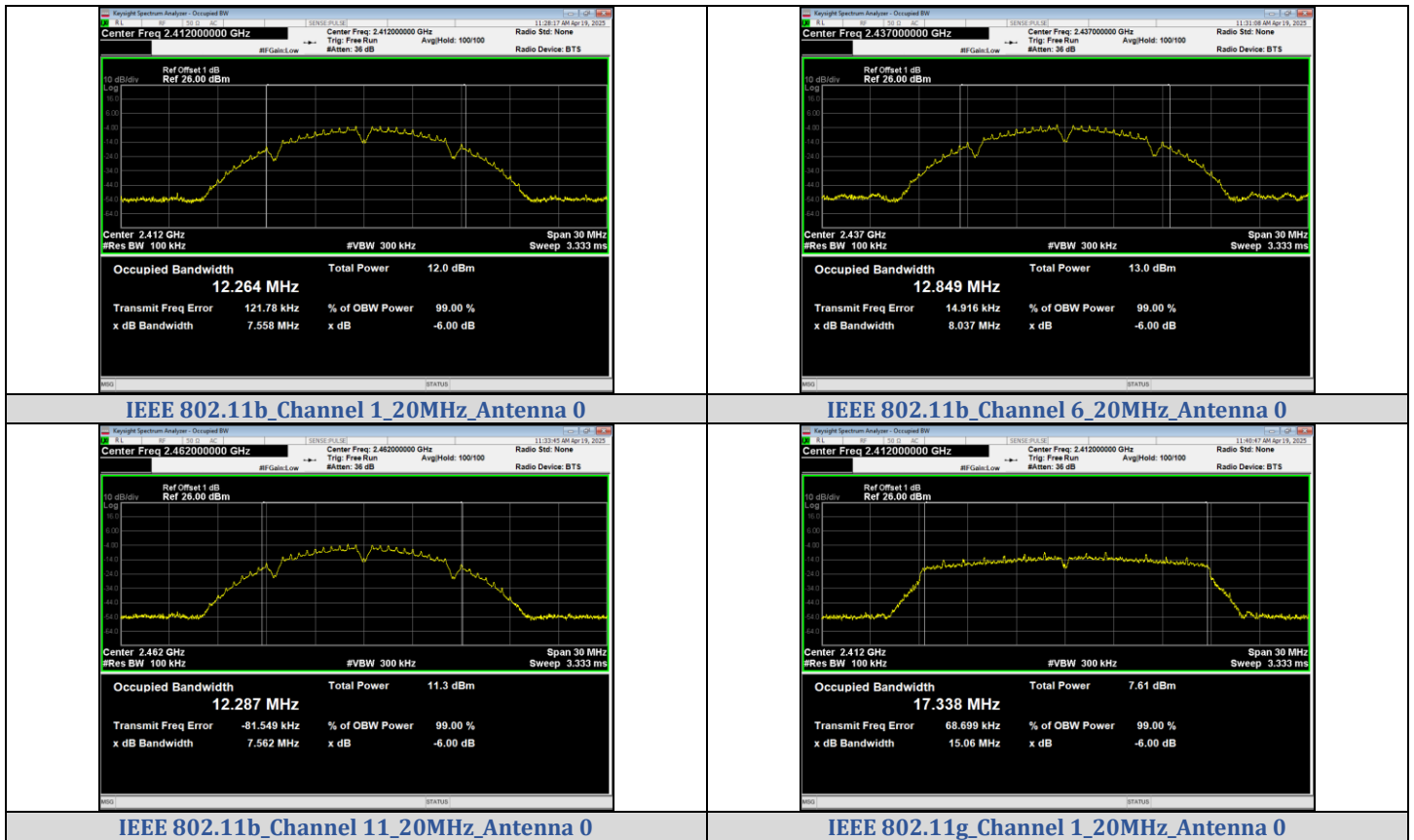


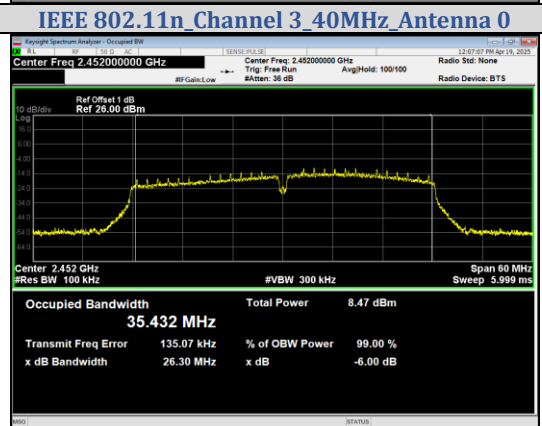
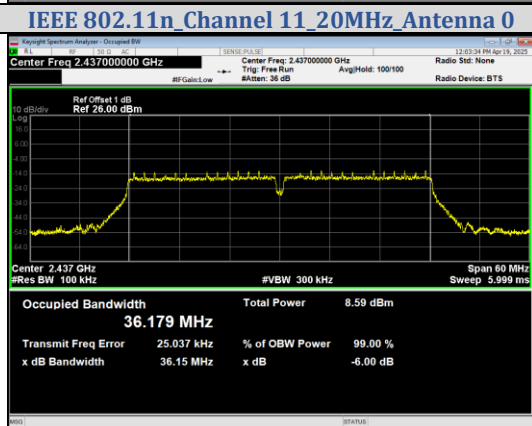
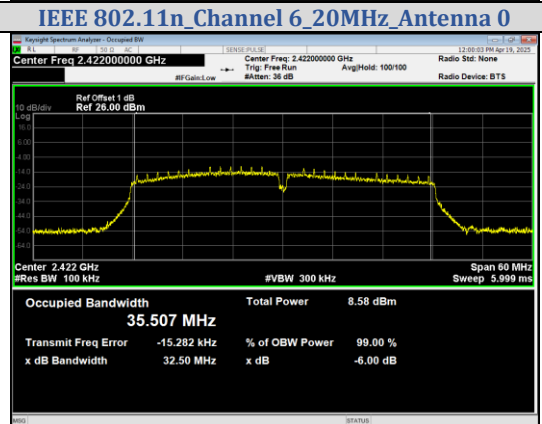
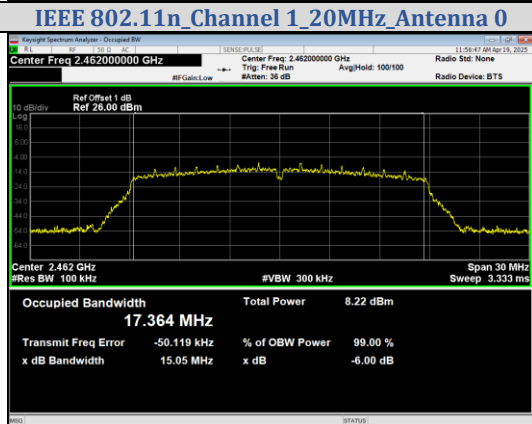
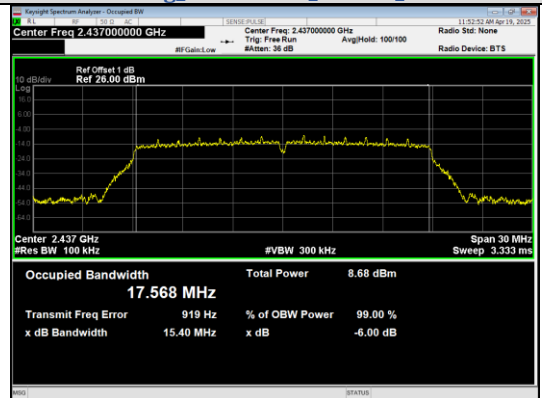
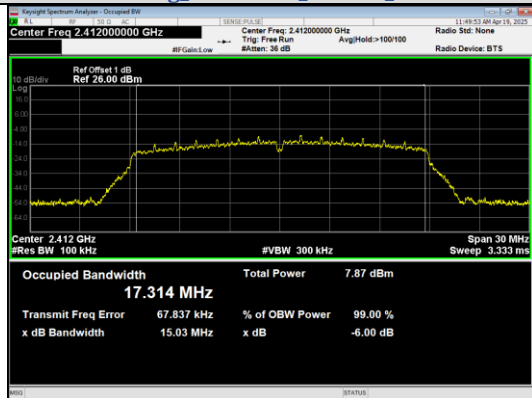
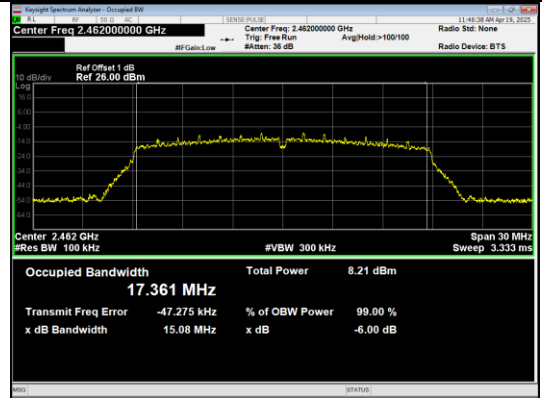
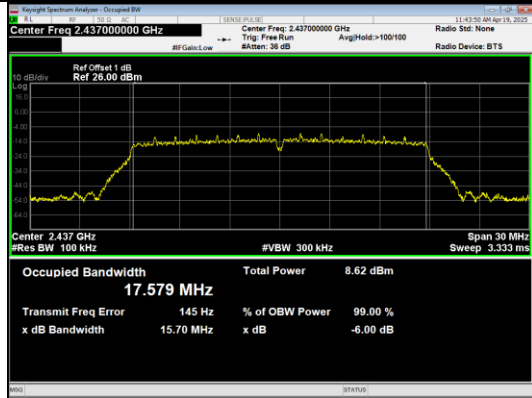
6dB Bandwidth

Test Result

Mode	Channel	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11b	1	2412	7.558	≥0.5	PASS
	6	2437	8.037		PASS
	11	2462	7.562		PASS
IEEE 802.11g	1	2412	15.06		PASS
	6	2437	15.70		PASS
	11	2462	15.08		PASS
IEEE 802.11n_20	1	2412	15.03		PASS
	6	2437	15.40		PASS
	11	2462	15.05		PASS
IEEE 802.11n_40	3	2422	32.50		PASS
	6	2437	36.15		PASS
	9	2452	26.30		PASS

Test Graphs





IEEE 802.11n Channel 6 40MHz Antenna 0

IEEE 802.11n Channel 9 40MHz Antenna 0

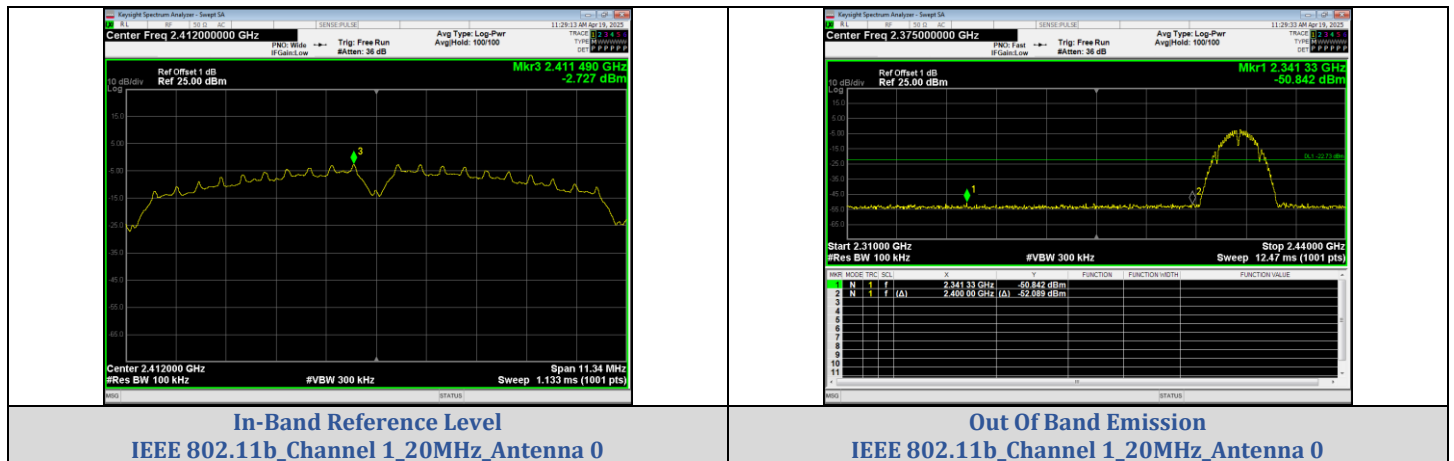


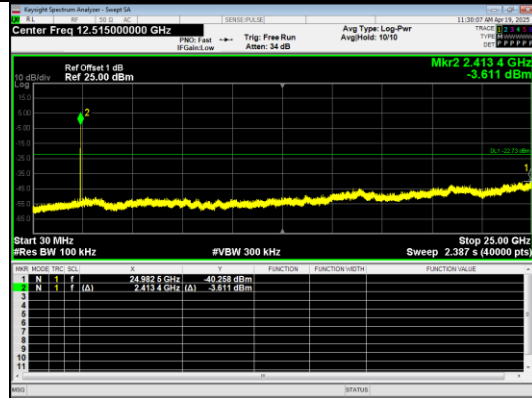
Conducted Out Of Band Emission

Test Result

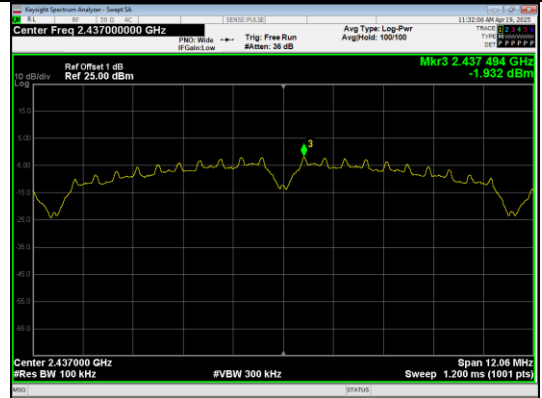
Mode	Channel	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
IEEE 802.11b	1	2341.33	-50.842	-22.73	-28.112	PASS
		2400.00	-52.089	-22.73	-29.359	PASS
		24982.5	-40.258	-22.73	-17.528	PASS
	6	24985.6	-40.038	-21.93	-18.108	PASS
	11	2483.50	-53.939	-23.19	-30.749	PASS
		24941.3	-39.361	-23.19	-16.171	PASS
IEEE 802.11g	1	2400.00	-50.977	-27.89	-23.087	PASS
		24990.0	-39.785	-27.89	-11.895	PASS
	6	24983.1	-39.975	-27.91	-12.065	PASS
	11	2483.50	-53.846	-27.73	-26.116	PASS
		24969.4	-39.263	-27.73	-11.533	PASS
IEEE 802.11n_20	1	2316.24	-51.027	-27.84	-23.187	PASS
		2400.00	-52.472	-27.84	-24.632	PASS
		24966.9	-40.220	-27.84	-12.380	PASS
	6	24953.2	-39.293	-27.96	-11.333	PASS
	11	2483.50	-53.982	-27.41	-26.572	PASS
		24410.1	-39.319	-27.41	-11.909	PASS
IEEE 802.11n_40	3	2354.85	-51.589	-30.21	-21.379	PASS
		2400.00	-52.772	-30.21	-22.562	PASS
		24965.7	-39.676	-30.21	-9.466	PASS
	6	24798.4	-39.787	-31.7	-8.087	PASS
	9	2483.50	-54.092	-30.07	-24.022	PASS
		24985.0	-40.085	-30.07	-10.015	PASS

Test Graphs

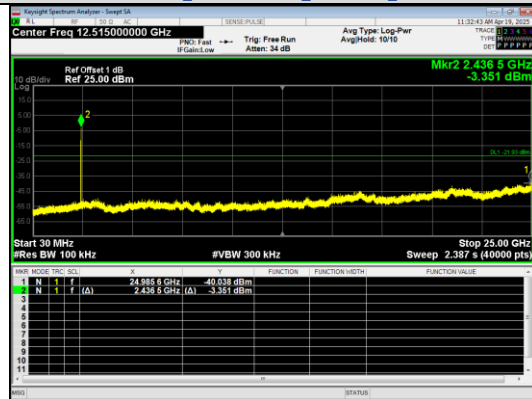




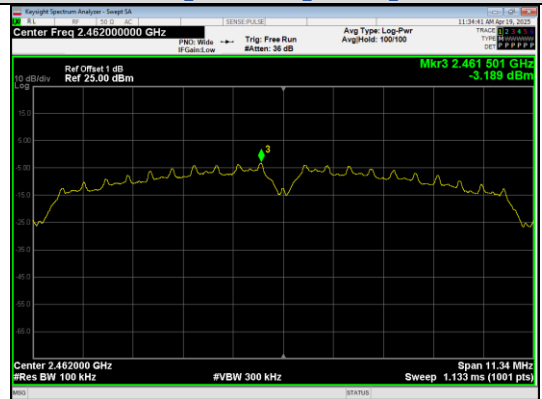
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 1_20MHz_Antenna 0



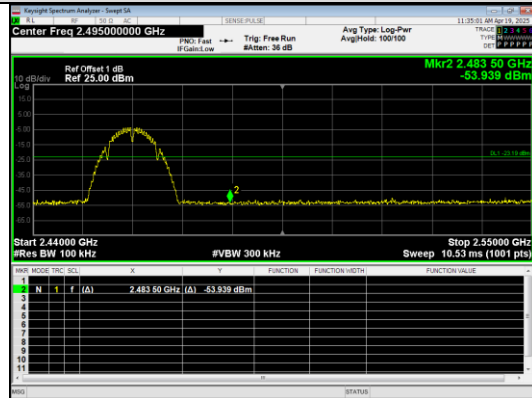
In-Band Reference Level
IEEE 802.11b_Channel 6_20MHz_Antenna 0



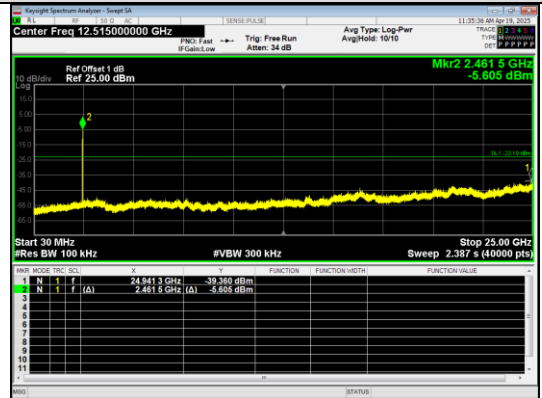
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 6_20MHz_Antenna 0



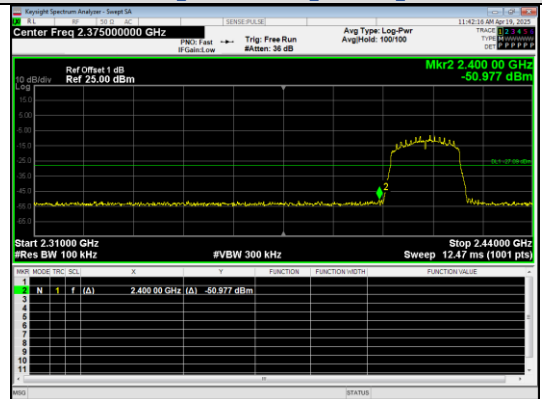
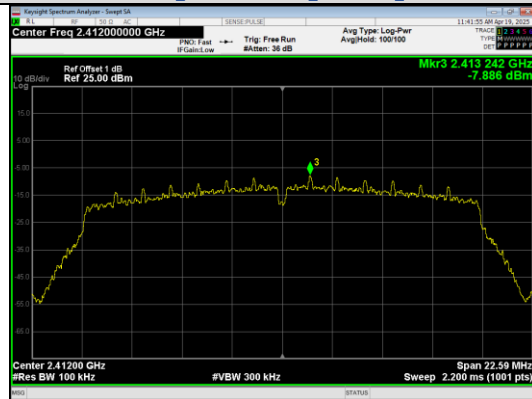
In-Band Reference Level
IEEE 802.11b_Channel 11_20MHz_Antenna 0



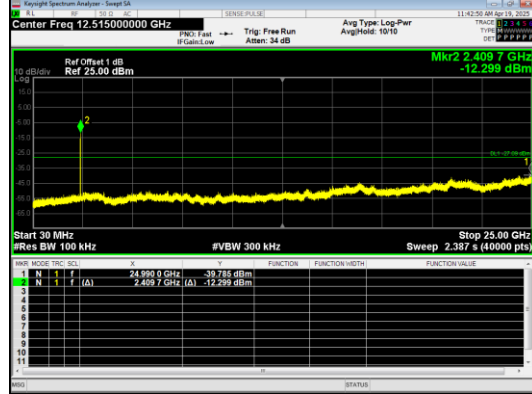
Out Of Band Emission
IEEE 802.11b_Channel 11_20MHz_Antenna 0



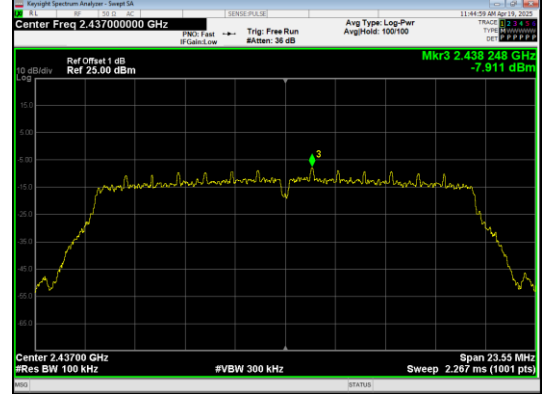
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 11_20MHz_Antenna 0



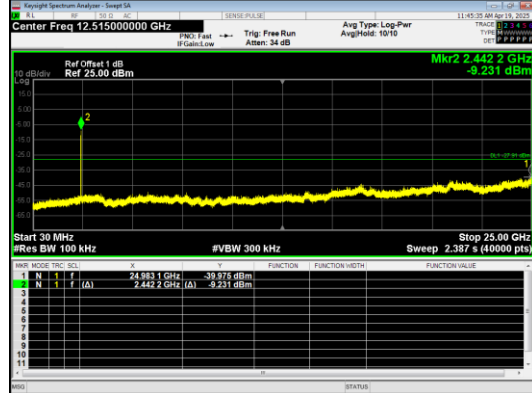
In-Band Reference Level IEEE 802.11g Channel 1_20MHz_Antenna 0



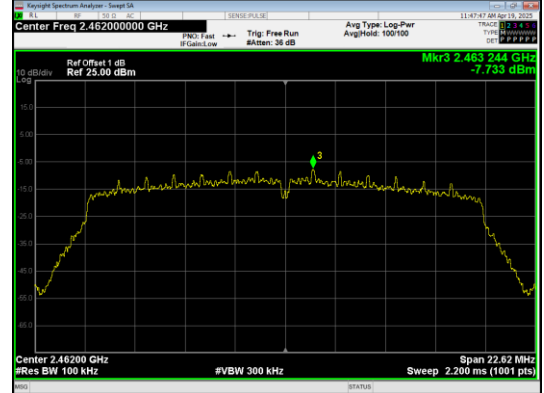
Out Of Band Emission IEEE 802.11g Channel 1_20MHz_Antenna 0



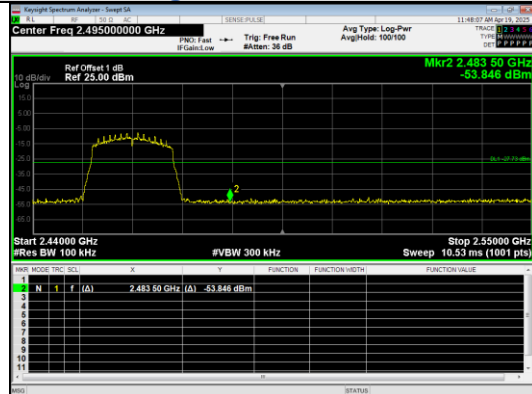
30.0 MHz - 25000.0 MHz IEEE 802.11g Channel 1_20MHz_Antenna 0



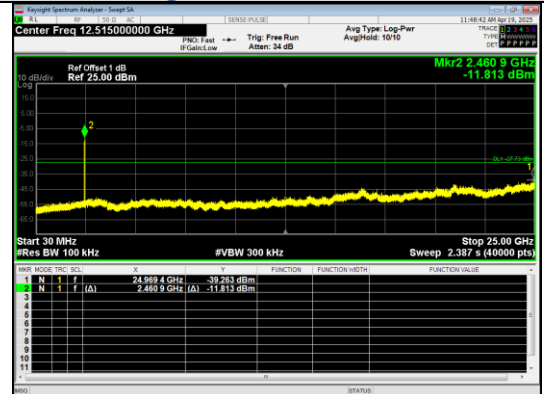
In-Band Reference Level IEEE 802.11g Channel 6_20MHz_Antenna 0



30.0 MHz - 25000.0 MHz IEEE 802.11g Channel 6_20MHz_Antenna 0

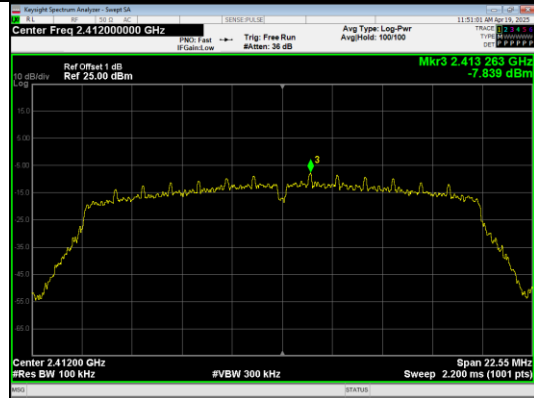


In-Band Reference Level IEEE 802.11g Channel 11_20MHz_Antenna 0

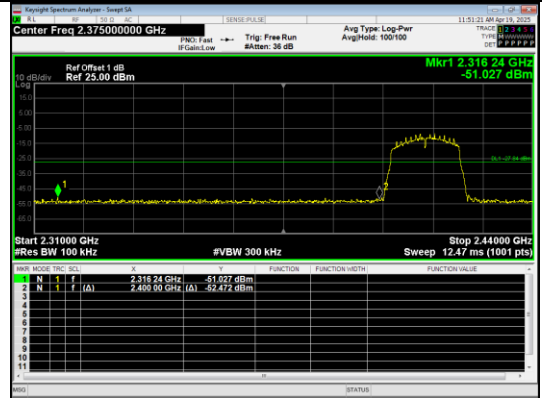


Out Of Band Emission IEEE 802.11g Channel 11_20MHz_Antenna 0

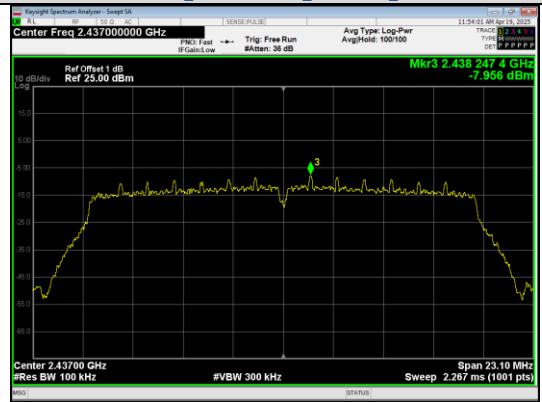
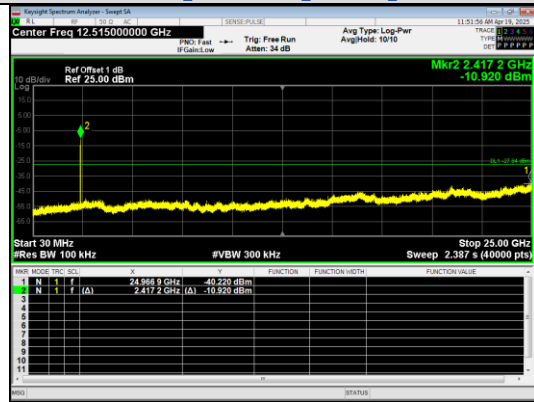
30.0 MHz - 25000.0 MHz IEEE 802.11g Channel 11_20MHz_Antenna 0



In-Band Reference Level
IEEE 802.11n Channel 1_20MHz_Antenna 0

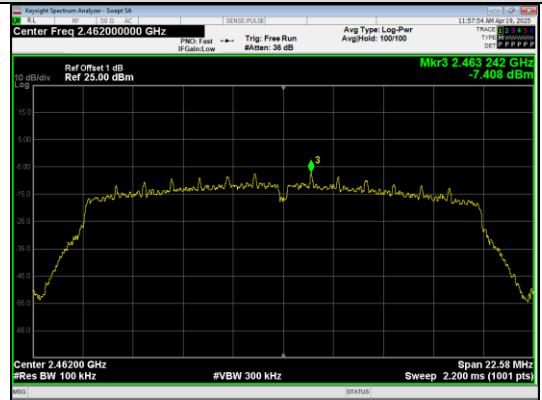
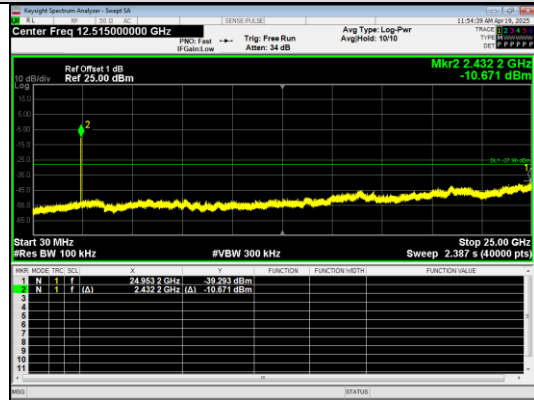


Out Of Band Emission
IEEE 802.11n Channel 1_20MHz_Antenna 0



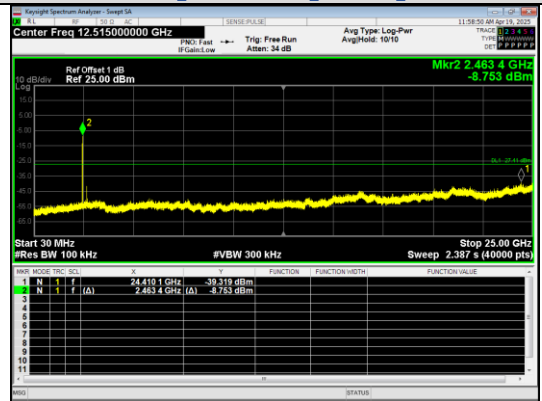
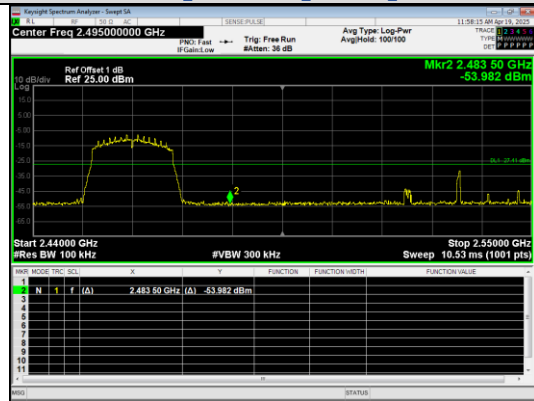
30.0 MHz - 25000.0 MHz
IEEE 802.11n Channel 1_20MHz_Antenna 0

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

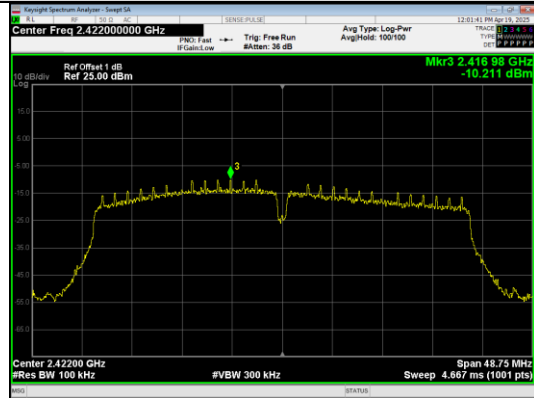
In-Band Reference Level
IEEE 802.11n Channel 11_20MHz_Antenna 0



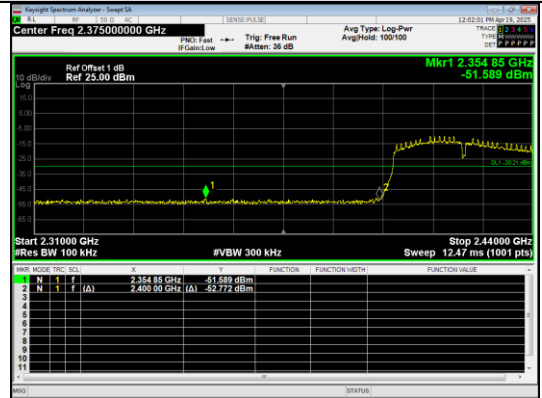
Out Of Band Emission

30.0 MHz - 25000.0 MHz

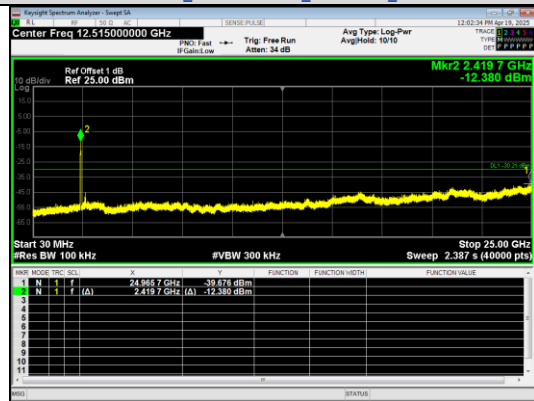
IEEE 802.11n_Channel 11_20MHz_Antenna 0



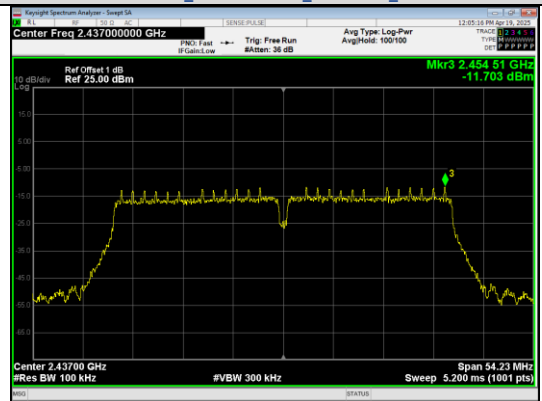
IEEE 802.11n_Channel 11_20MHz_Antenna 0



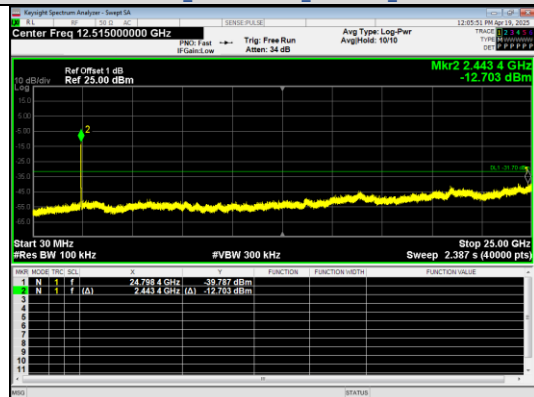
In-Band Reference Level IEEE 802.11n_Channel 3_40MHz_Antenna 0



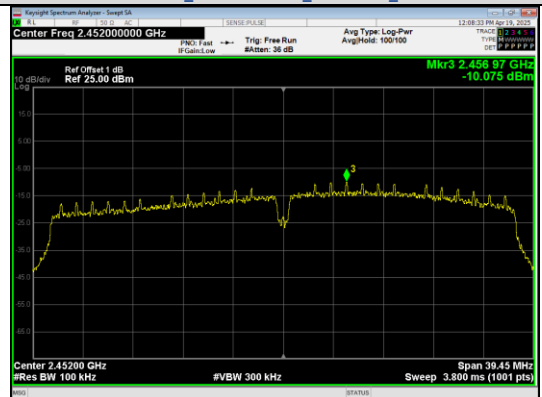
Out Of Band Emission IEEE 802.11n_Channel 3_40MHz_Antenna 0



30.0 MHz - 25000.0 MHz IEEE 802.11n_Channel 3_40MHz_Antenna 0

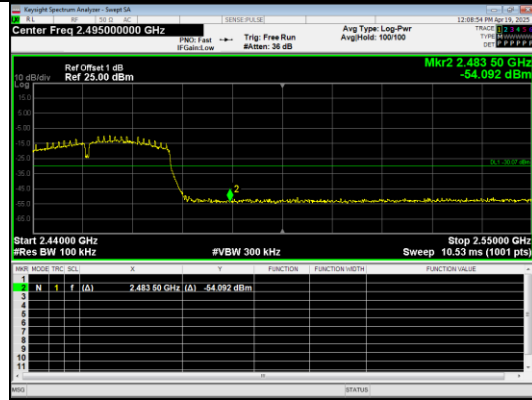


In-Band Reference Level IEEE 802.11n_Channel 6_40MHz_Antenna 0

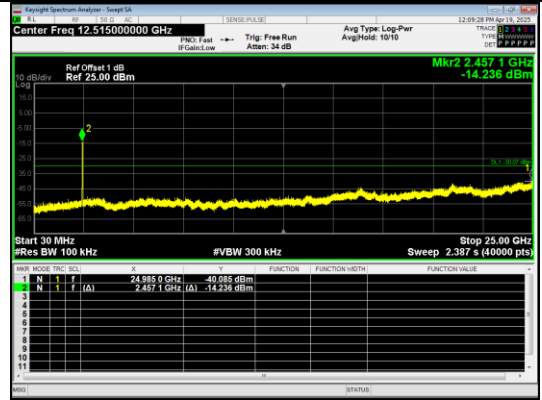


30.0 MHz - 25000.0 MHz IEEE 802.11n_Channel 6_40MHz_Antenna 0

In-Band Reference Level IEEE 802.11n_Channel 9_40MHz_Antenna 0



Out Of Band Emission
IEEE 802.11n_Channel 9_40MHz_Antenna 0

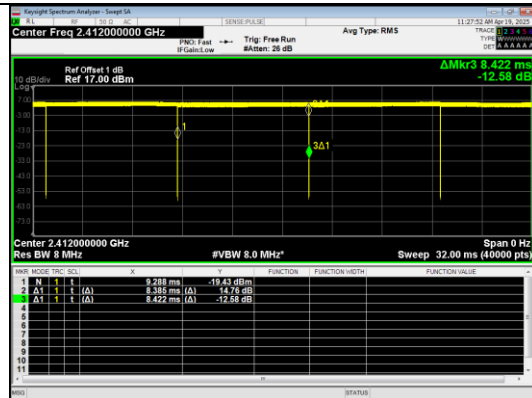


30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 9_40MHz_Antenna 0

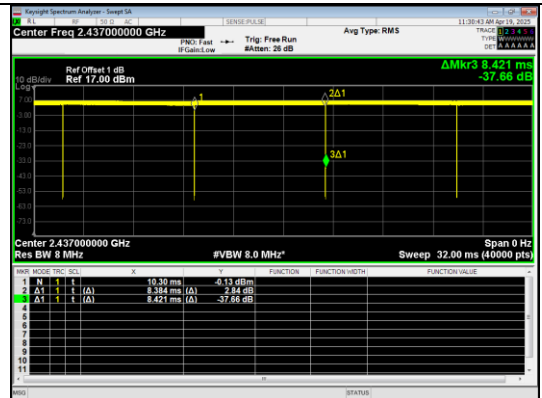
Duty Cycle Test Result

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	8.385	8.422	99.56	0.9956	0.0192	0.1193
		6		8.384	8.421	99.56	0.9956	0.0192	0.1193
		11		8.383	8.421	99.56	0.9956	0.0192	0.1193
IEEE 802.11g	1	1		1.292	1.333	96.88	0.9688	0.1377	0.7740
		6		1.292	1.333	96.92	0.9692	0.1359	0.7740
		11		1.292	1.333	96.88	0.9688	0.1377	0.7740
IEEE 802.11n_20	MCS 0	1	1	1.303	1.345	96.91	0.9691	0.1363	0.7675
		6		1.304	1.346	96.88	0.9688	0.1377	0.7669
		11		1.304	1.346	96.91	0.9691	0.1363	0.7669
IEEE 802.11n_40	MCS 0	3		0.651	0.693	93.92	0.9392	0.2724	1.5361
		6		0.650	0.692	93.99	0.9399	0.2692	1.5385
		9		0.651	0.693	93.92	0.9392	0.2724	1.5361

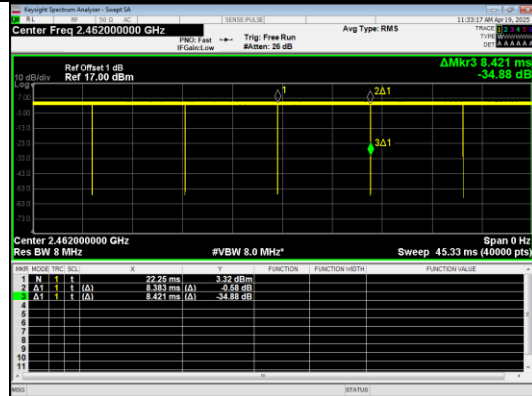
Test Graphs



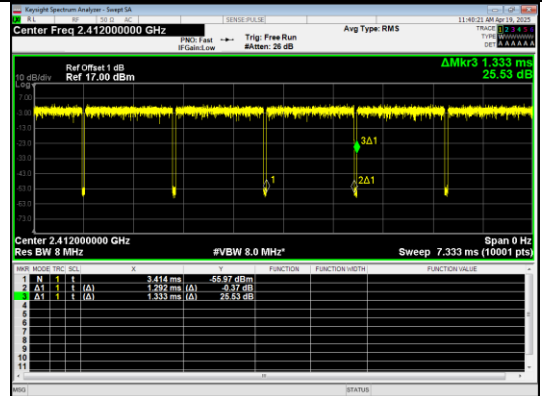
IEEE 802.11b_20MHz_Channel 1



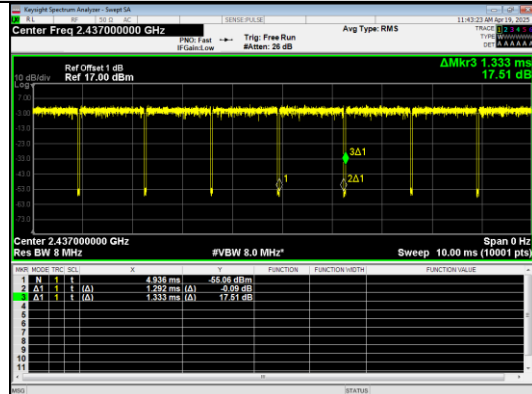
IEEE 802.11b_20MHz_Channel 6



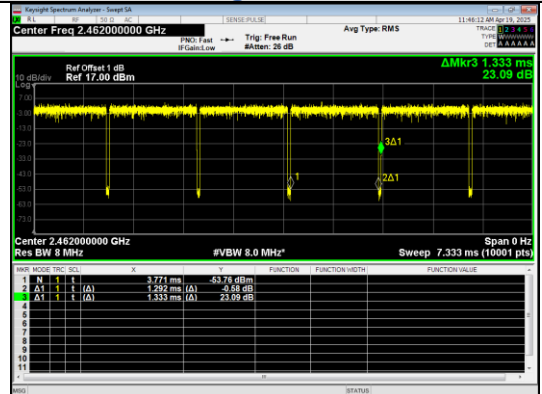
IEEE 802.11b 20MHz_Channel 11



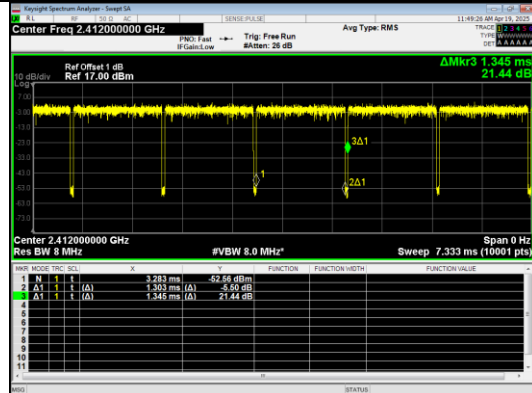
IEEE 802.11g 20MHz_Channel 1



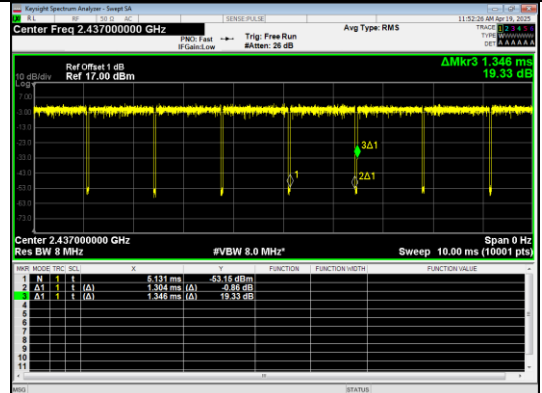
IEEE 802.11g 20MHz_Channel 6



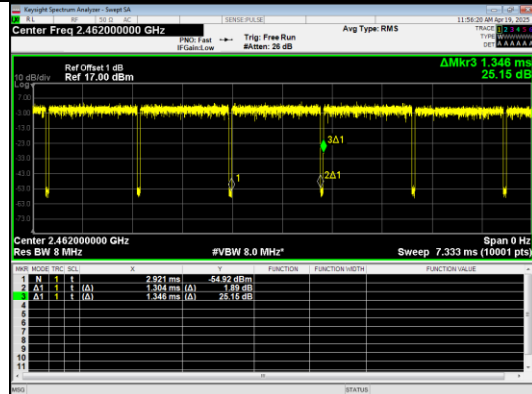
IEEE 802.11g 20MHz_Channel 11



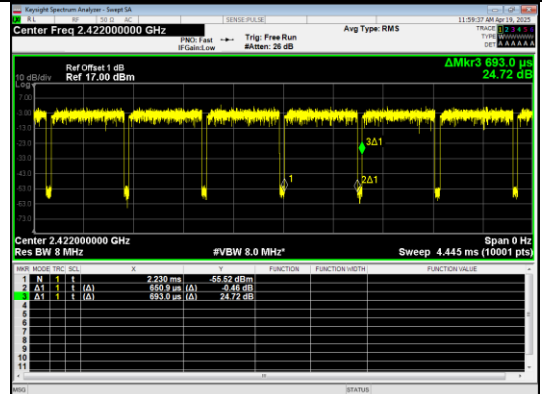
IEEE 802.11n 20MHz_Channel 1



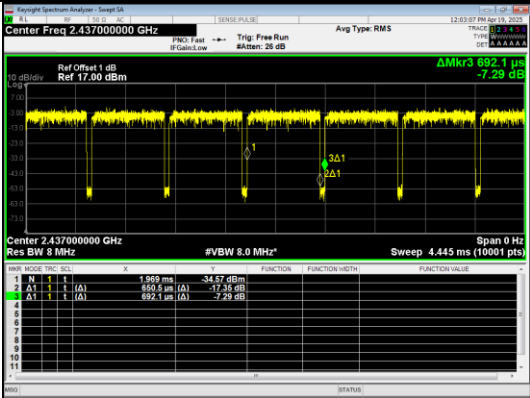
IEEE 802.11n 20MHz_Channel 6



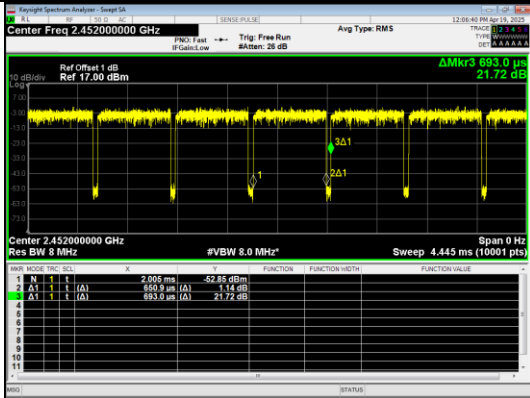
IEEE 802.11n 20MHz_Channel 11



IEEE 802.11n 40MHz_Channel 3



IEEE 802.11n_40MHz_Channel 6



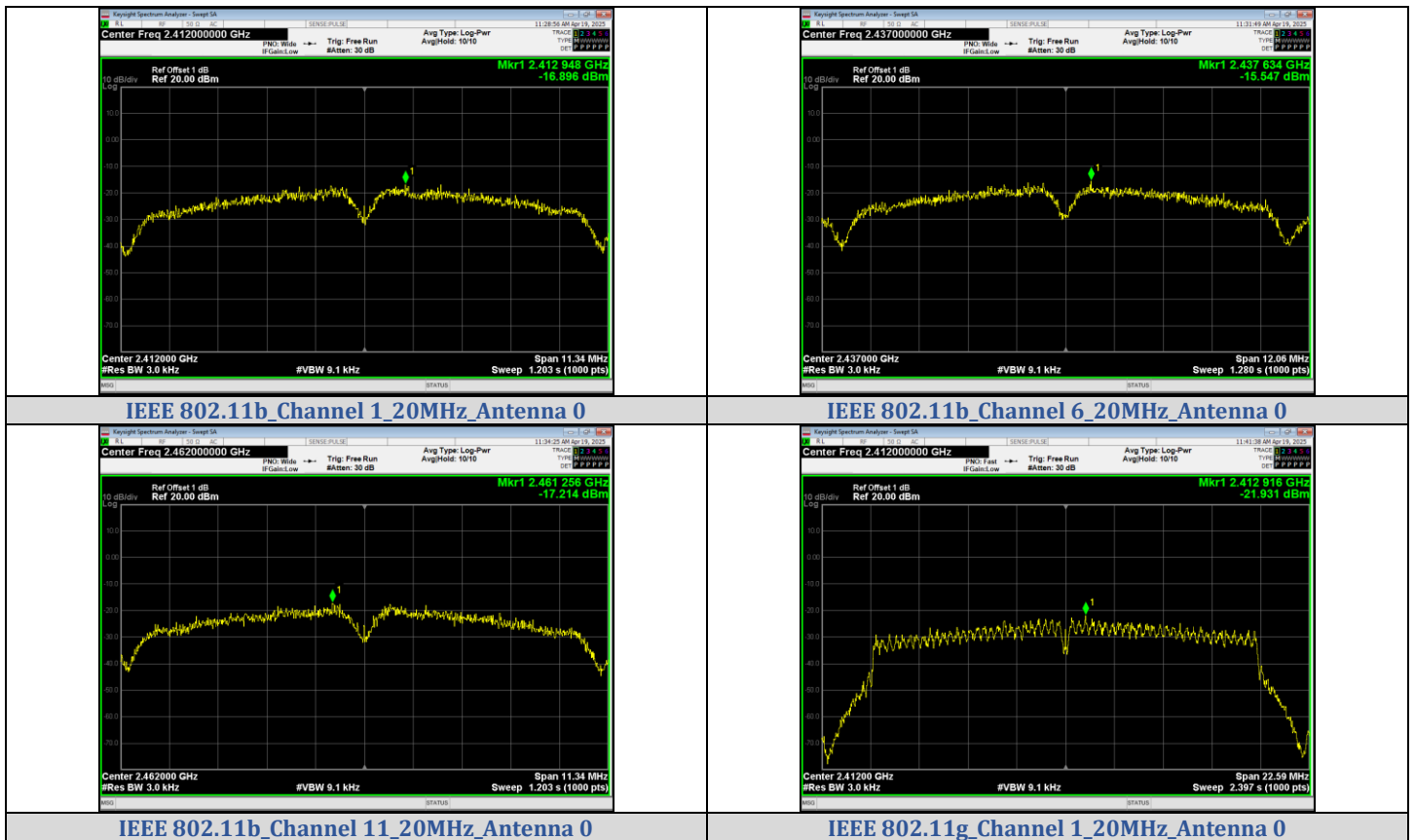
IEEE 802.11n_40MHz_Channel 9

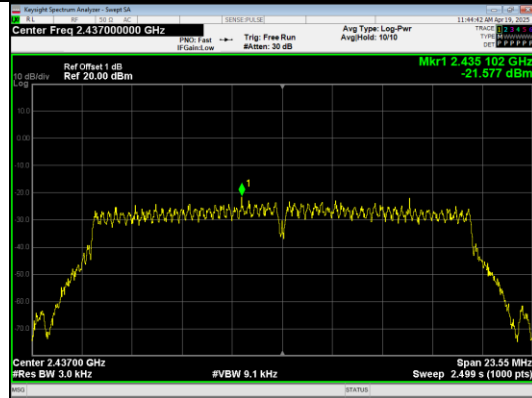
Power Spectral Density

Test Result

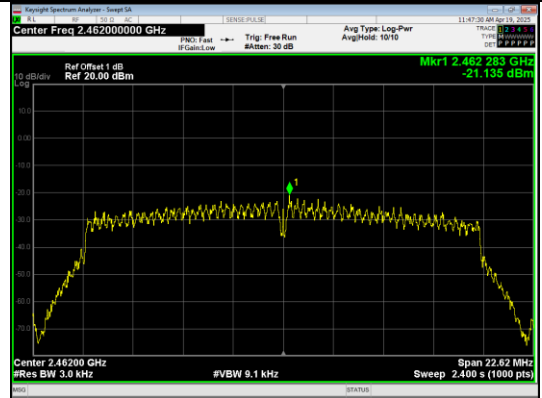
Mode	Channel	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
IEEE 802.11b	1	-16.896	≤8	PASS
	6	-15.547		PASS
	11	-17.214		PASS
IEEE 802.11g	1	-21.931		PASS
	6	-21.577		PASS
	11	-21.135		PASS
IEEE 802.11n_20	1	-22.543		PASS
	6	-22.369		PASS
	11	-20.096		PASS
IEEE 802.11n_40	3	-24.290		PASS
	6	-26.258		PASS
	9	-24.251		PASS

Test Graphs

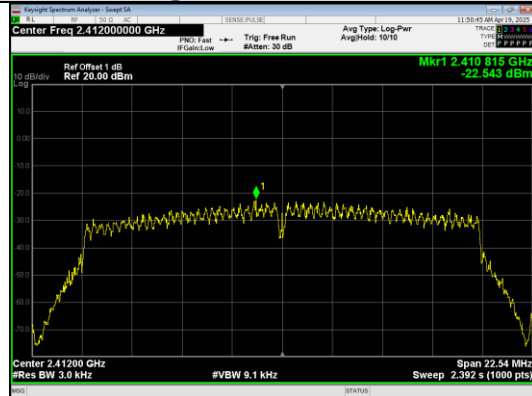




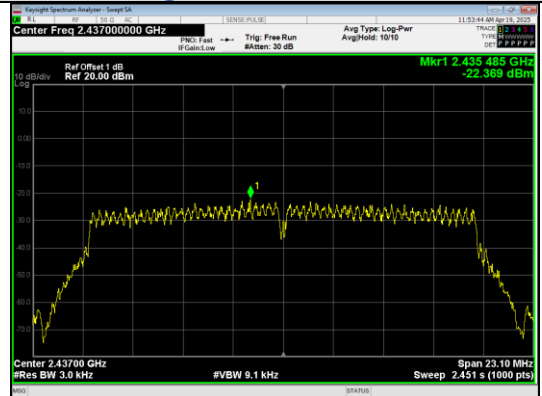
IEEE 802.11g_Channel 6_20MHz_Antenna 0



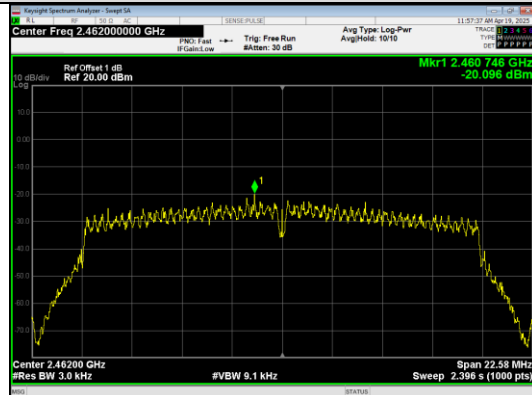
IEEE 802.11g_Channel 11_20MHz_Antenna 0



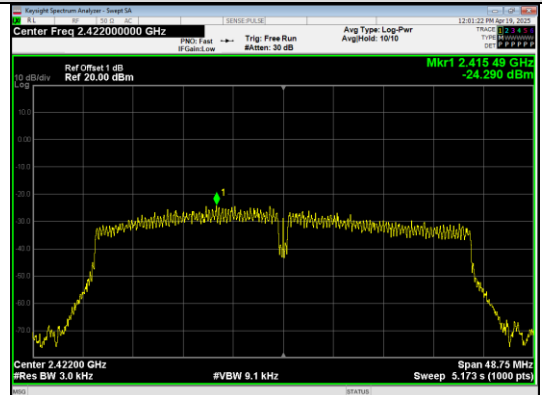
IEEE 802.11n_Channel 1_20MHz_Antenna 0



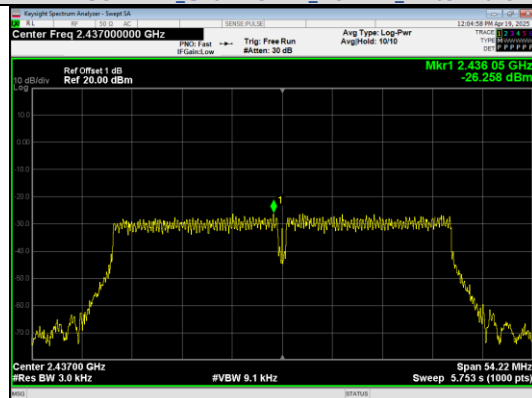
IEEE 802.11n_Channel 6_20MHz_Antenna 0



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