



Maximum Peak Conducted Output Power

Test Result

Maximum Peak Conducted Output Power

Mode	Channel	Ant. 0 (dBm)	Total (dBm)	Limit (dBm)	Result
IEEE 802.11b	1	13.95	N/A	≤30	PASS
	6	14.25	N/A	≤30	PASS
	11	14.26	N/A	≤30	PASS
IEEE 802.11g	1	13.74	N/A	≤30	PASS
	6	13.91	N/A	≤30	PASS
	11	13.74	N/A	≤30	PASS
IEEE 802.11n_20	1	13.69	N/A	≤30	PASS
	6	13.72	N/A	≤30	PASS
	11	13.38	N/A	≤30	PASS

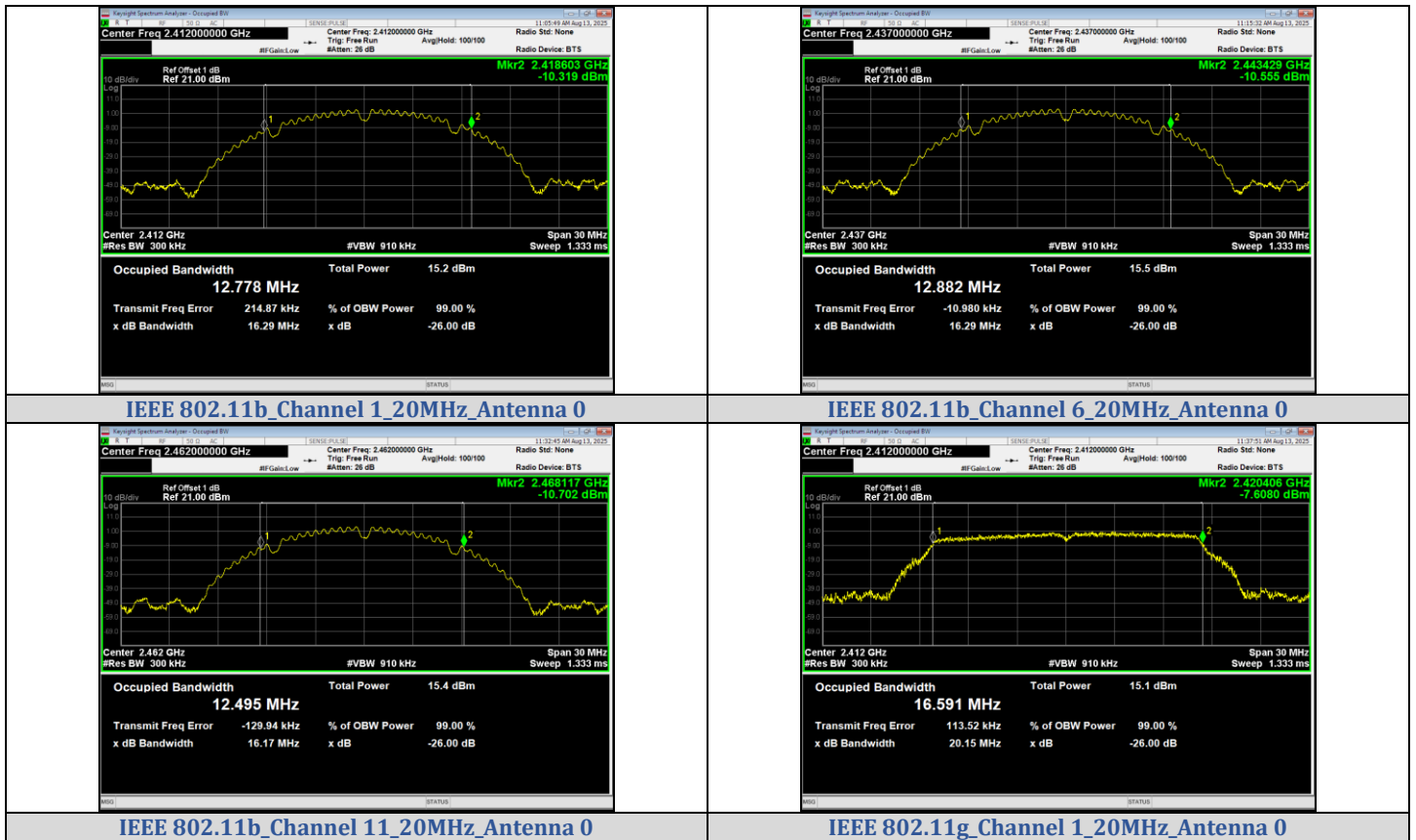


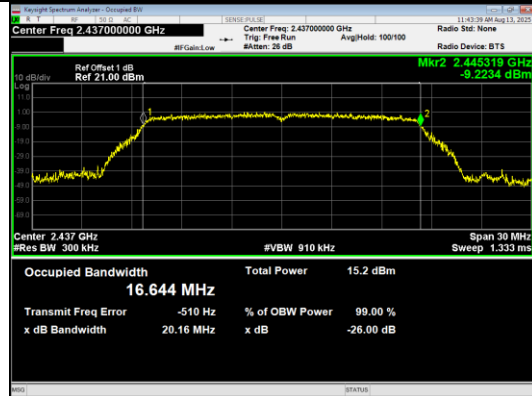
99% Bandwidth

Test Result

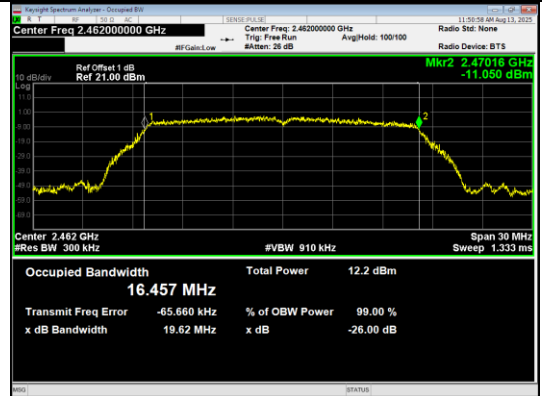
Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11b	1	0	2412	12.778
	6		2437	12.882
	11		2462	12.495
IEEE 802.11g	1		2412	16.591
	6		2437	16.644
	11		2462	16.457
IEEE 802.11n_20	1		2412	17.716
	6		2437	17.695
	11		2462	17.503

Test Graphs

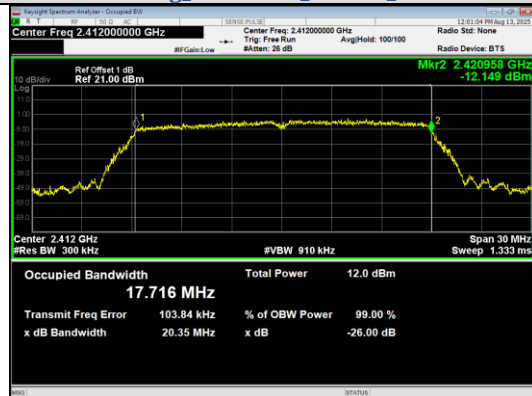




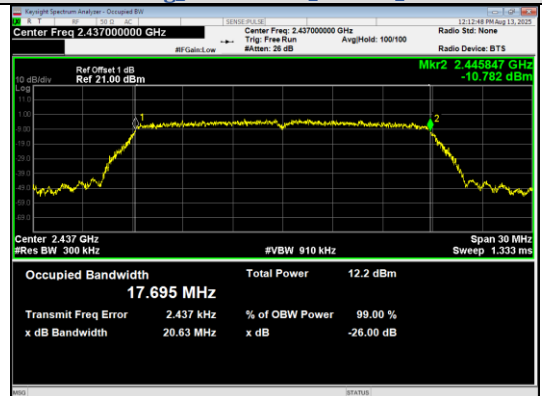
IEEE 802.11g_Channel 6_20MHz_Antenna 0



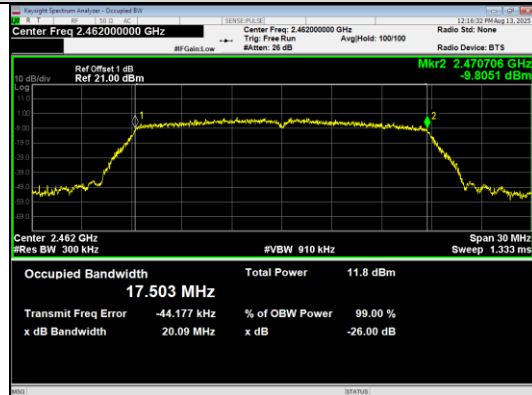
IEEE 802.11g_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 1_20MHz_Antenna 0



IEEE 802.11n_Channel 6_20MHz_Antenna 0



IEEE 802.11n_Channel 11_20MHz_Antenna 0

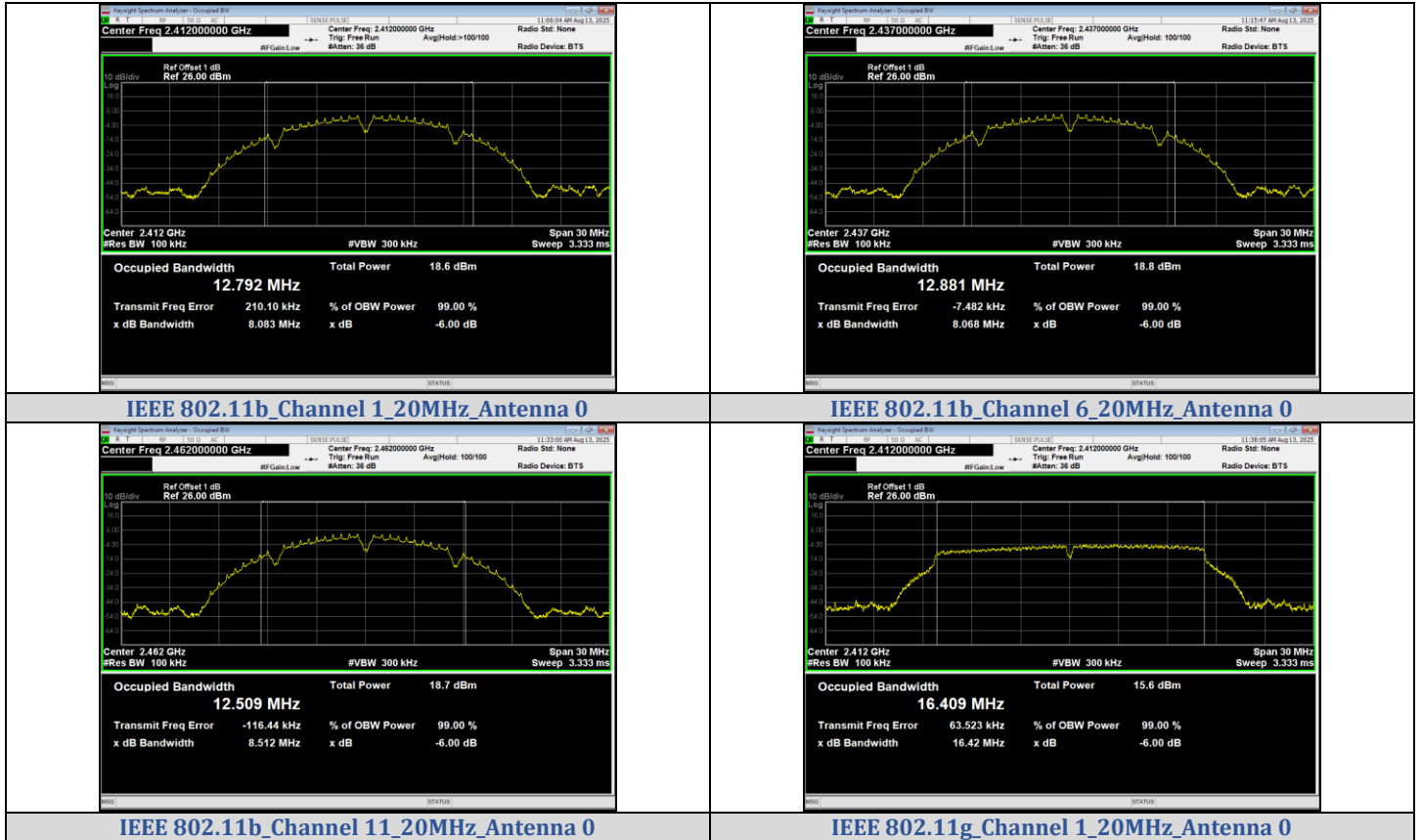


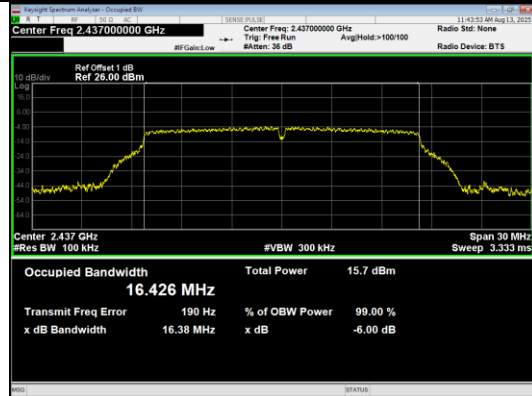
6dB Bandwidth

Test Result

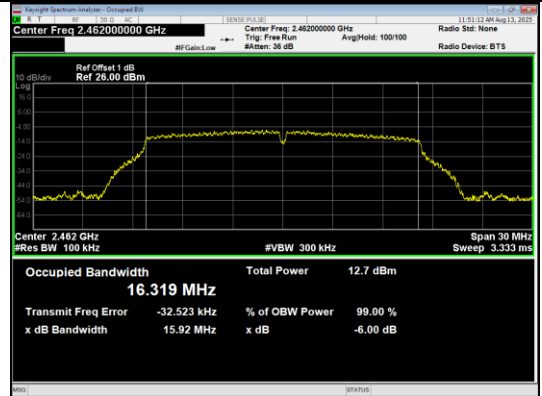
Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11b	1	0	2412	8.080	≥0.5	PASS
	6		2437	8.070		PASS
	11		2462	8.510		PASS
IEEE 802.11g	1		2412	16.42		PASS
	6		2437	16.38		PASS
	11		2462	15.92		PASS
IEEE 802.11n_20	1		2412	17.66		PASS
	6		2437	17.63		PASS
	11		2462	17.18		PASS

Test Graphs

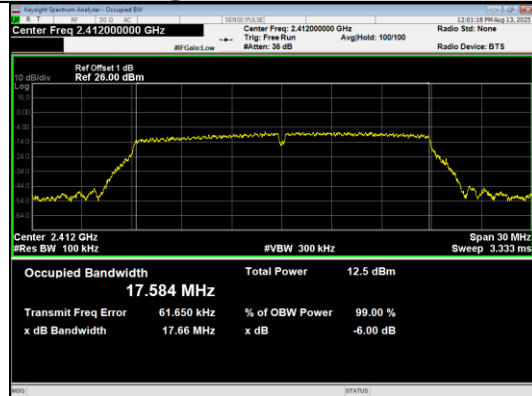




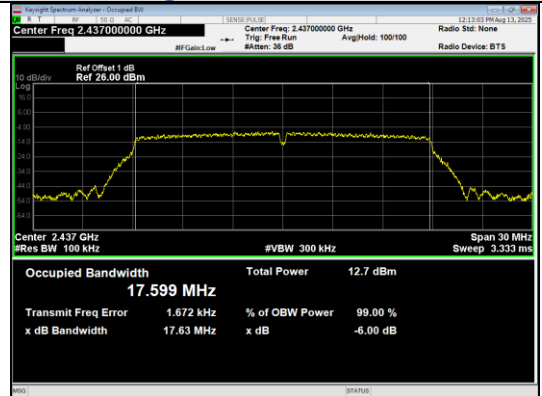
IEEE 802.11g_Channel 6_20MHz_Antenna 0



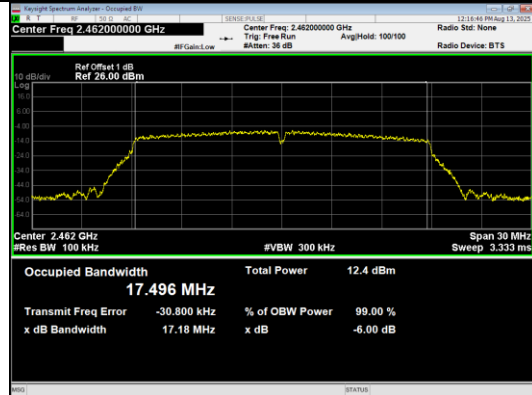
IEEE 802.11g_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 1_20MHz_Antenna 0



IEEE 802.11n_Channel 6_20MHz_Antenna 0



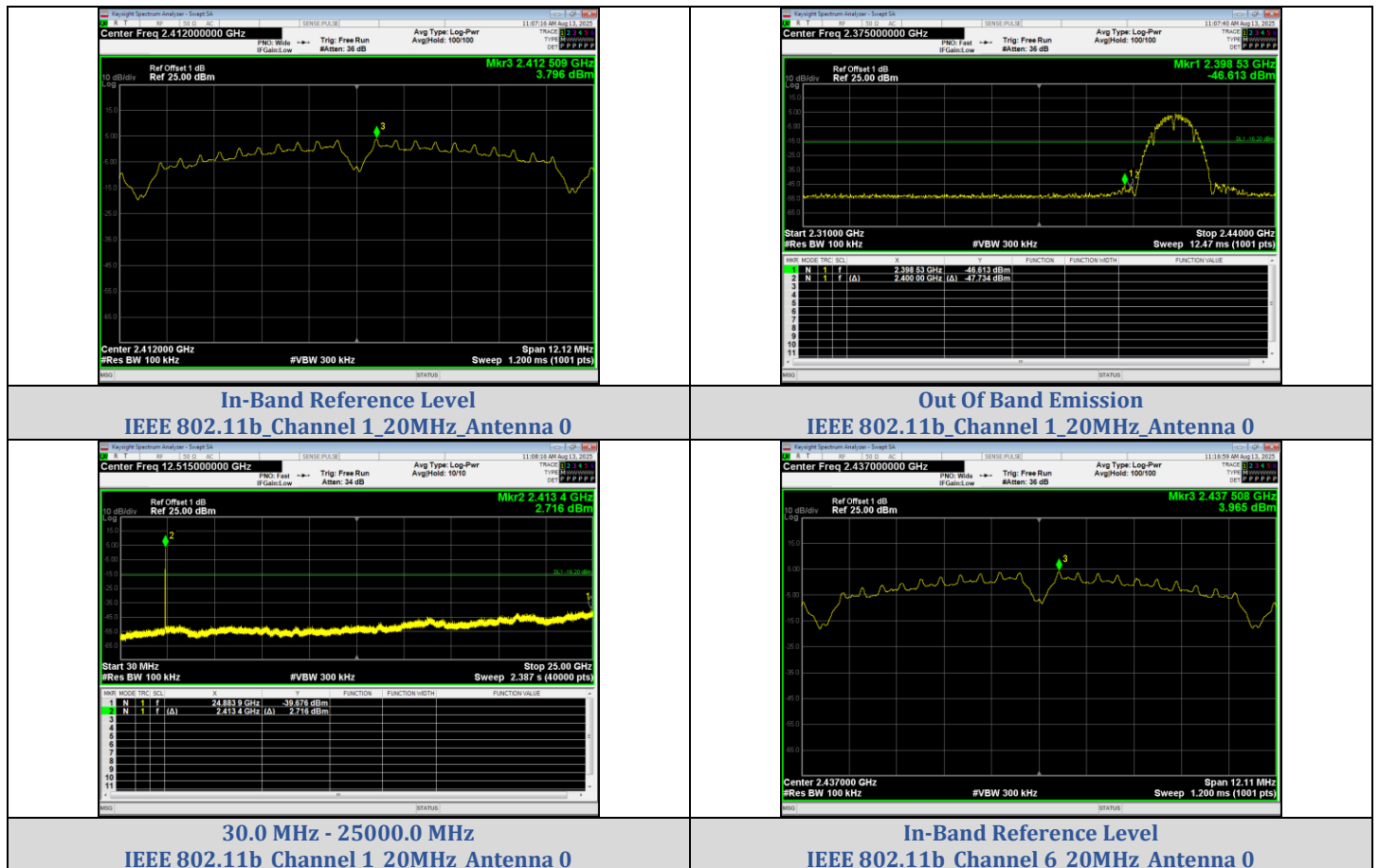
IEEE 802.11n_Channel 11_20MHz_Antenna 0

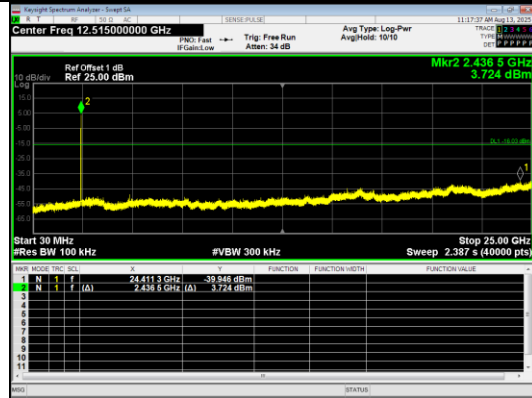
Conducted Out Of Band Emission

Test Result

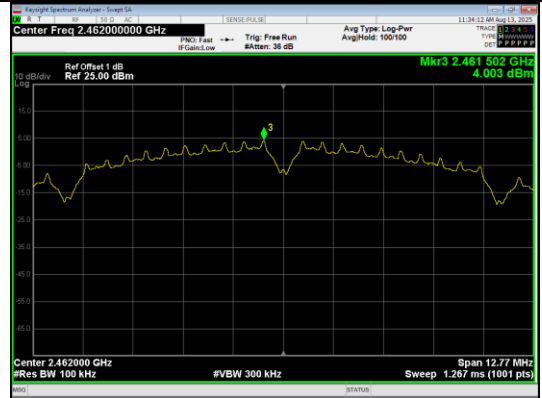
Mode	Channel	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
IEEE 802.11b	1	0	2398.53	-46.613	-16.2	-30.413	PASS
			2400.00	-47.730	-16.2	-31.530	PASS
			24883.9	-39.676	-16.2	-23.476	PASS
	6		24411.3	-39.946	-16.03	-23.916	PASS
	11		2483.50	-52.590	-16.0	-36.590	PASS
			24936.3	-40.401	-16.0	-24.401	PASS
IEEE 802.11g			1	2400.00	-43.950	-23.51	-20.440
	24845.8			-39.248	-23.51	-15.738	PASS
	6			24971.9	-40.302	-23.6	-16.702
	11		2483.50	-52.770	-26.29	-26.480	PASS
			24976.3	-40.155	-26.29	-13.865	PASS
			2400.00	-47.560	-26.7	-20.860	PASS
IEEE 802.11n_20	1		24983.8	-40.142	-26.7	-13.442	PASS
	6		24332.0	-40.105	-26.57	-13.535	PASS
	11		2483.50	-53.170	-26.53	-26.640	PASS
			24938.2	-39.956	-26.53	-13.425	PASS

Test Graphs

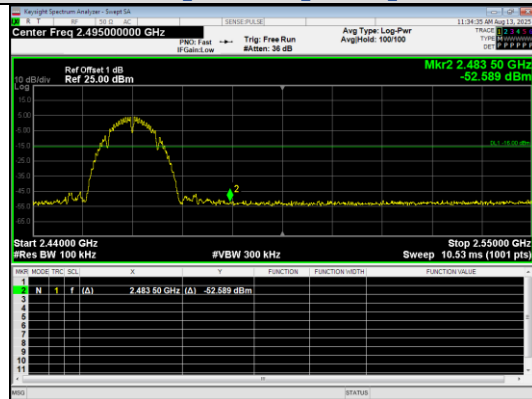




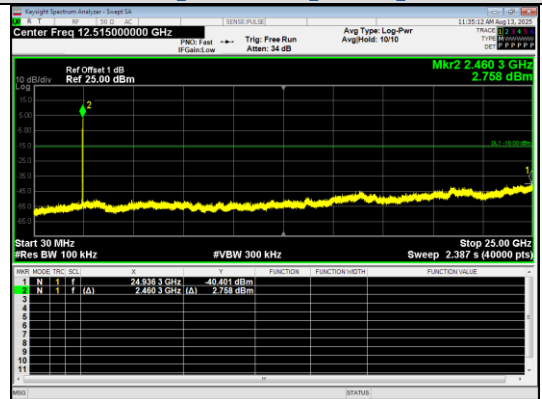
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 6_20MHz_Antenna 0



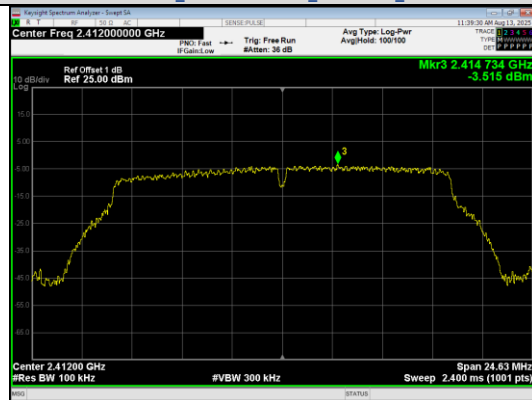
In-Band Reference Level
IEEE 802.11b_Channel 11_20MHz_Antenna 0



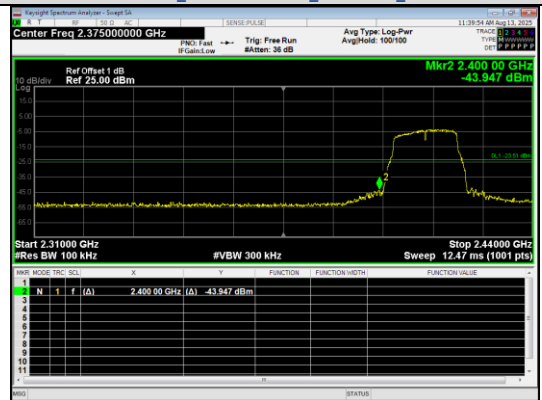
Out Of Band Emission
IEEE 802.11b_Channel 11_20MHz_Antenna 0



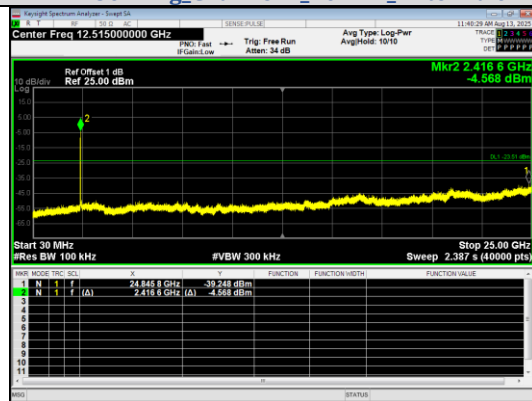
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 11_20MHz_Antenna 0



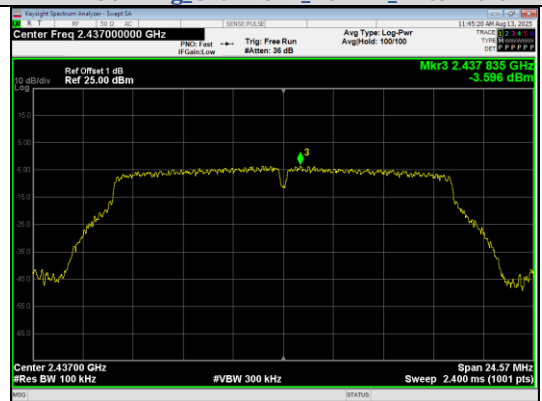
In-Band Reference Level
IEEE 802.11g_Channel 1_20MHz_Antenna 0



Out Of Band Emission
IEEE 802.11g_Channel 1_20MHz_Antenna 0

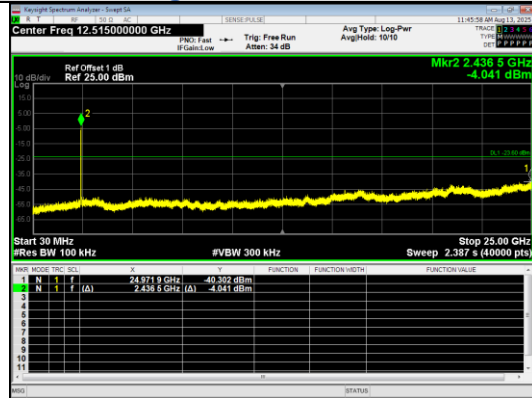


30.0 MHz - 25000.0 MHz

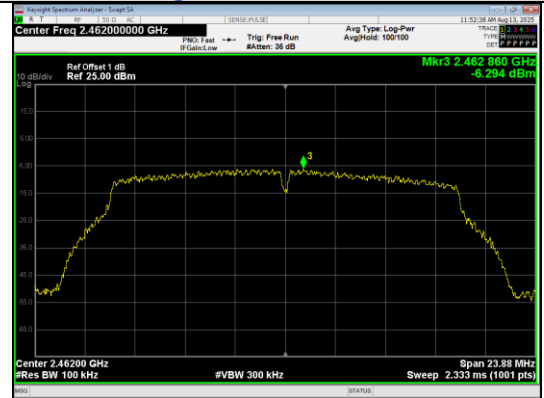


In-Band Reference Level

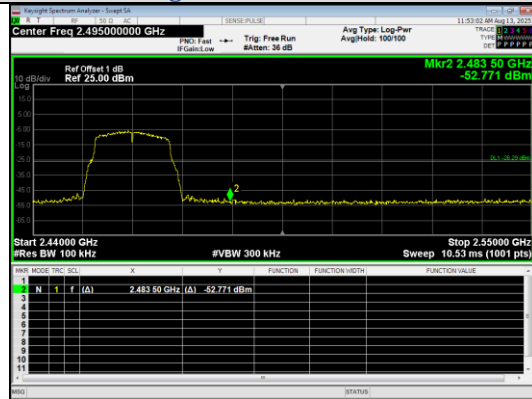
IEEE 802.11g_Channel 1_20MHz_Antenna 0



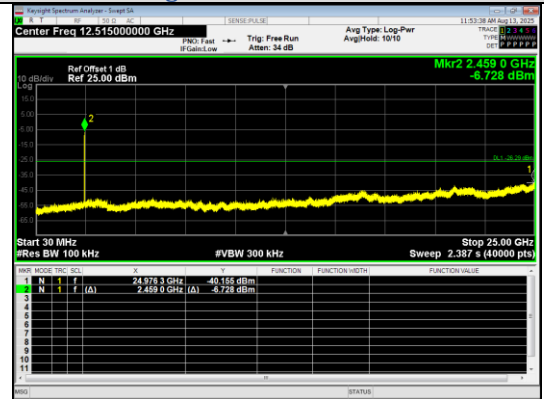
IEEE 802.11g_Channel 6_20MHz_Antenna 0



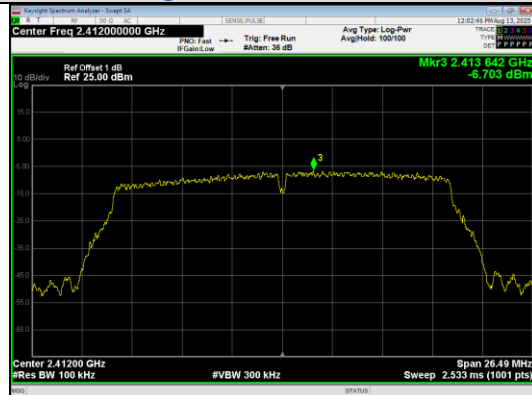
30.0 MHz - 25000.0 MHz IEEE 802.11g_Channel 6_20MHz_Antenna 0



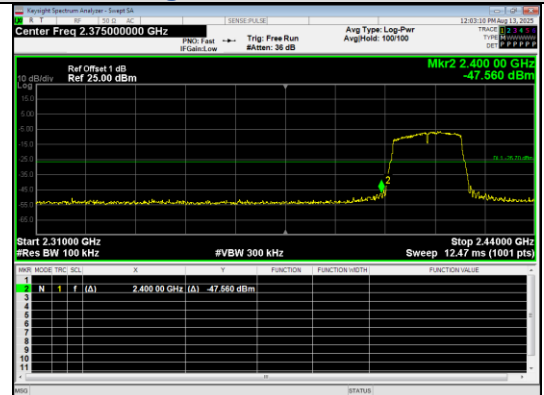
In-Band Reference Level IEEE 802.11g_Channel 11_20MHz_Antenna 0



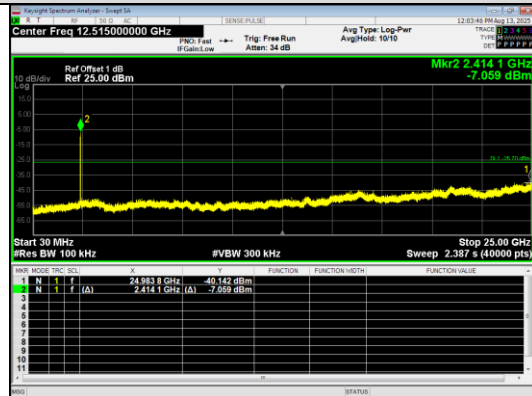
Out Of Band Emission IEEE 802.11g_Channel 11_20MHz_Antenna 0



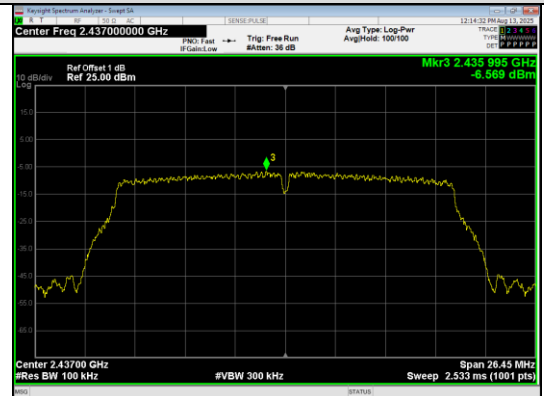
30.0 MHz - 25000.0 MHz IEEE 802.11g_Channel 11_20MHz_Antenna 0



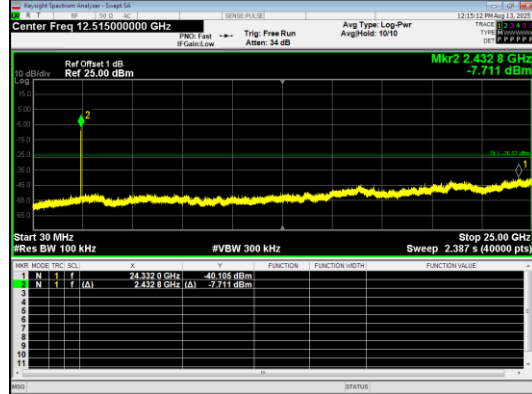
In-Band Reference Level IEEE 802.11n_Channel 1_20MHz_Antenna 0



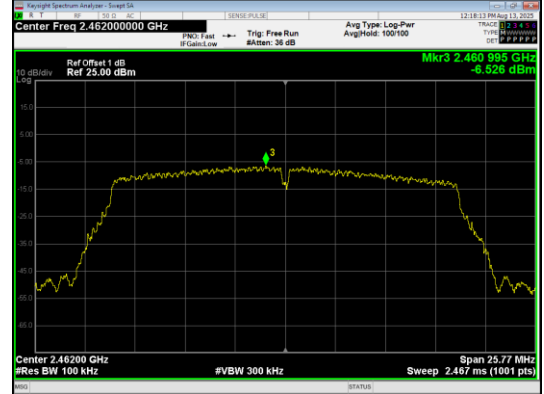
Out Of Band Emission IEEE 802.11n_Channel 1_20MHz_Antenna 0



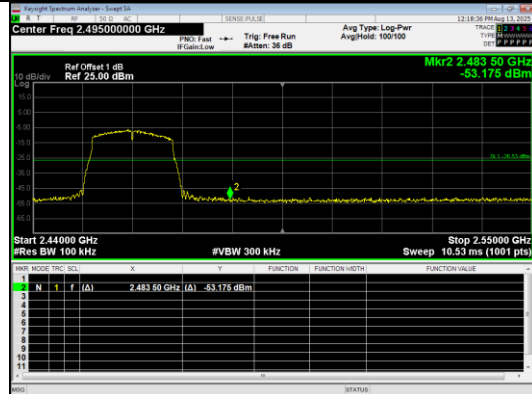
30.0 MHz - 25000.0 MHz IEEE 802.11n_Channel 1_20MHz_Antenna 0



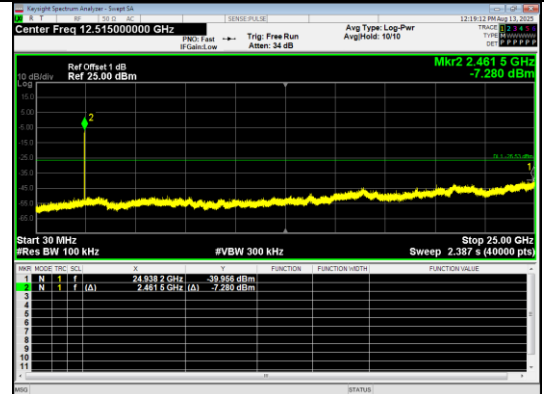
In-Band Reference Level IEEE 802.11n_Channel 6_20MHz_Antenna 0



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

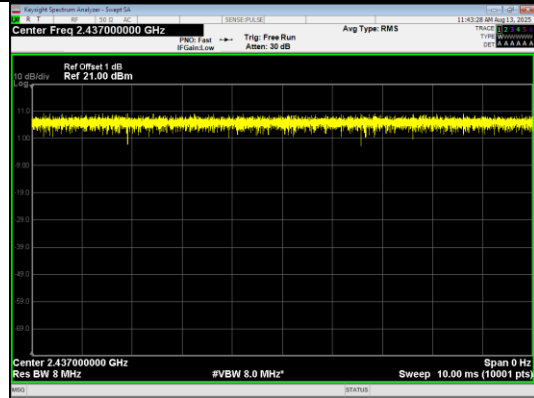


Duty Cycle Test Result

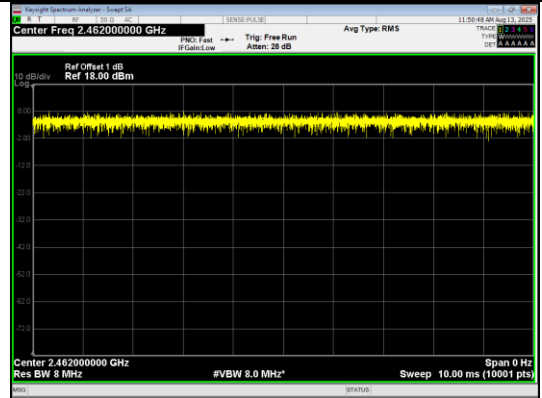
Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11b	1	1	1	32.000	32.000	100	1	0.0	0.0312
		6		32.000	32.000	100	1	0.0	0.0312
		11		32.000	32.000	100	1	0.0	0.0312
IEEE 802.11g		1		10.000	10.000	100	1	0.0	0.1000
		6		10.000	10.000	100	1	0.0	0.1000
		11		10.000	10.000	100	1	0.0	0.1000
IEEE 802.11n_20	MCS 0	1		10.000	10.000	100	1	0.0	0.1000
		6		10.000	10.000	100	1	0.0	0.1000
		11		10.000	10.000	100	1	0.0	0.1000

Test Graphs

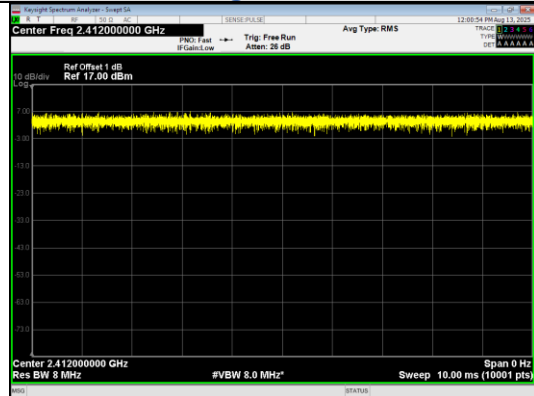




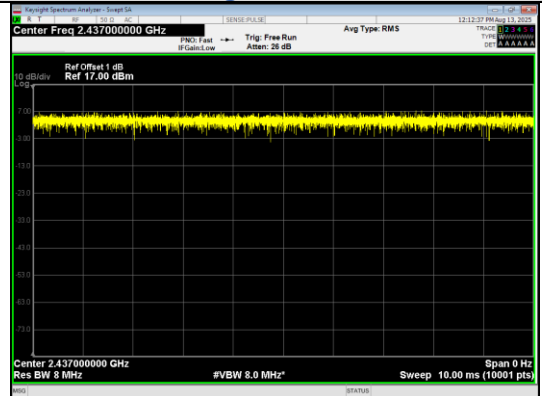
IEEE 802.11g_20MHz_Channel 6



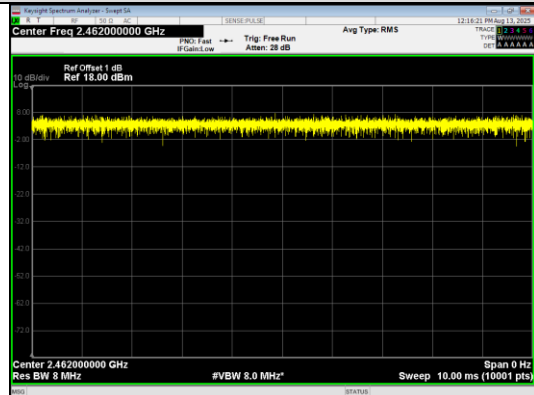
IEEE 802.11g_20MHz_Channel 11



IEEE 802.11n_20MHz_Channel 1



IEEE 802.11n_20MHz_Channel 6



IEEE 802.11n_20MHz_Channel 11

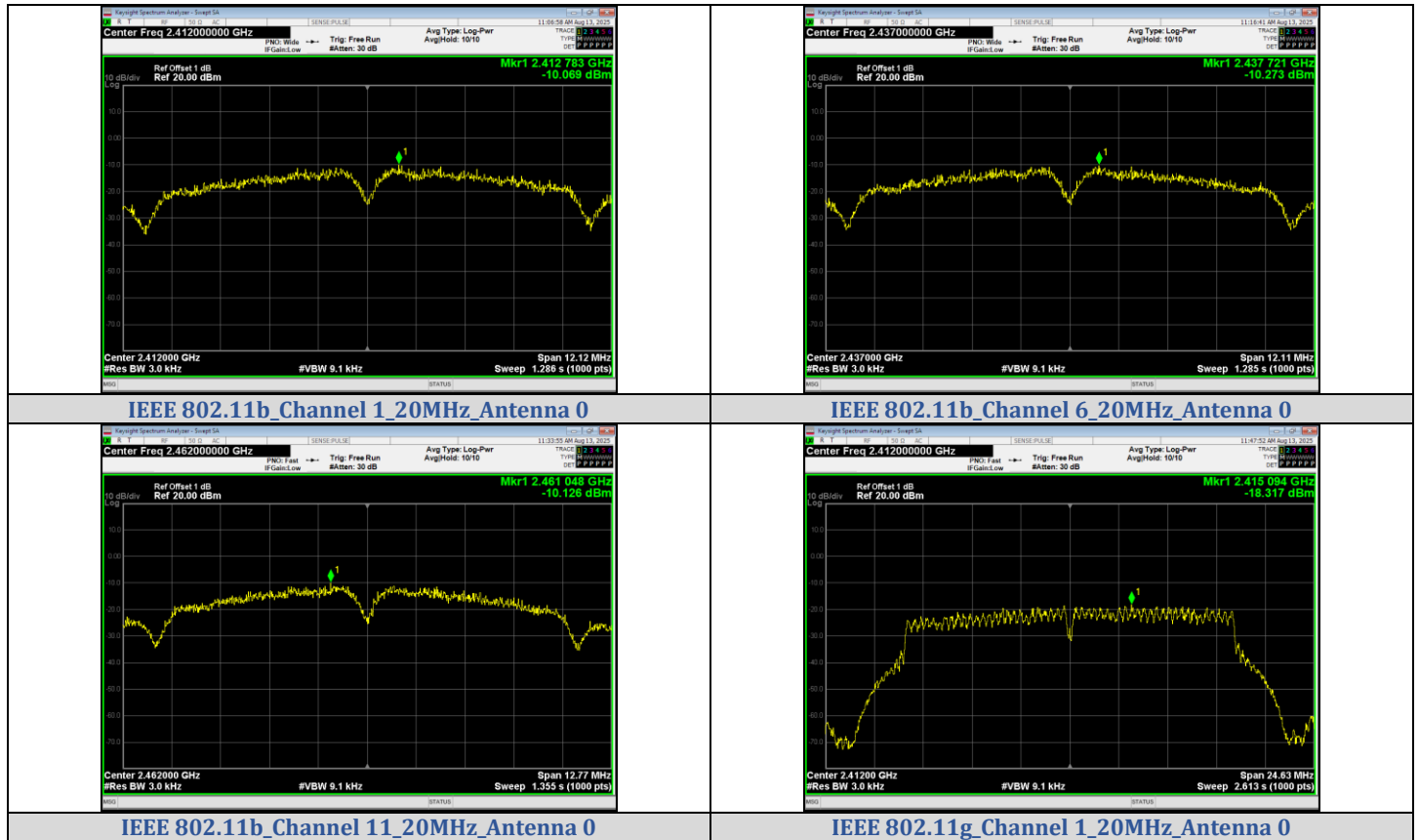


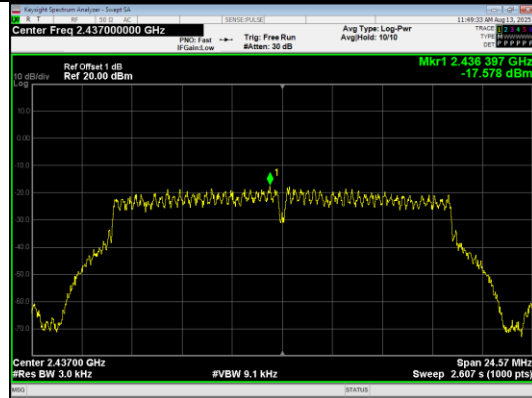
Power Spectral Density

Test Result

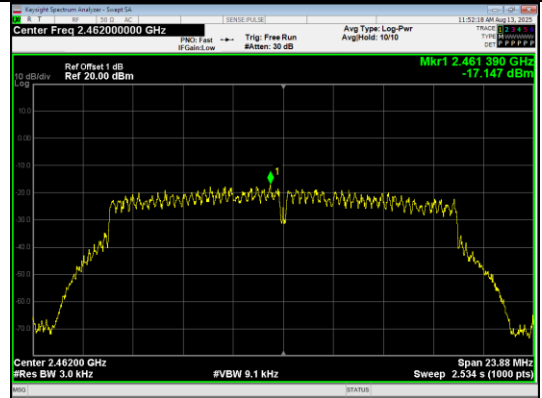
Mode	Channel	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
IEEE 802.11b	1	-10.070	≤8	PASS
	6	-10.270		PASS
	11	-10.130		PASS
IEEE 802.11g	1	-18.320		PASS
	6	-17.580		PASS
	11	-17.150		PASS
IEEE 802.11n_20	1	-17.890		PASS
	6	-18.120		PASS
	11	-17.760		PASS

Test Graphs

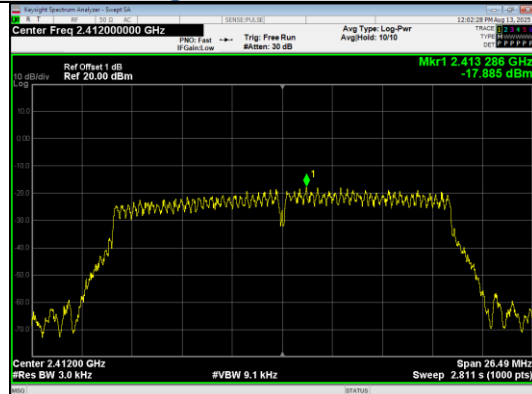




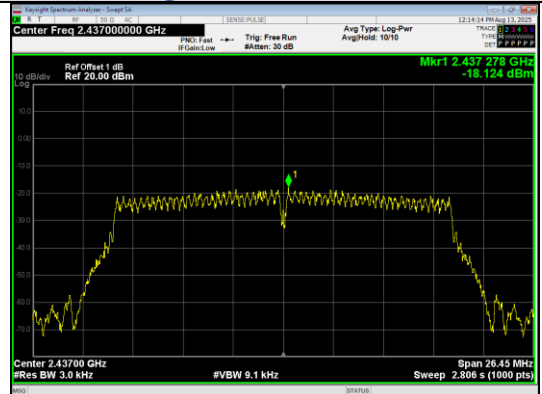
IEEE 802.11g_Channel 6_20MHz_Antenna 0



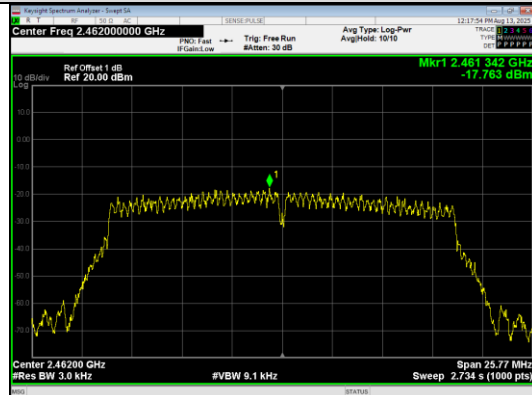
IEEE 802.11g_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 1_20MHz_Antenna 0



IEEE 802.11n_Channel 6_20MHz_Antenna 0



IEEE 802.11n_Channel 11_20MHz_Antenna 0