



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	8.30	N/A	≤30	PASS
	6	8.26	N/A	≤30	PASS
	11	8.05	N/A	≤30	PASS
IEEE 802.11g	1	8.78	N/A	≤30	PASS
	6	8.79	N/A	≤30	PASS
	11	8.54	N/A	≤30	PASS
IEEE 802.11n_20	1	8.70	N/A	≤30	PASS
	6	8.66	N/A	≤30	PASS
	11	8.46	N/A	≤30	PASS
IEEE 802.11n_40	3	8.92	N/A	≤30	PASS
	6	8.81	N/A	≤30	PASS
	9	8.76	N/A	≤30	PASS

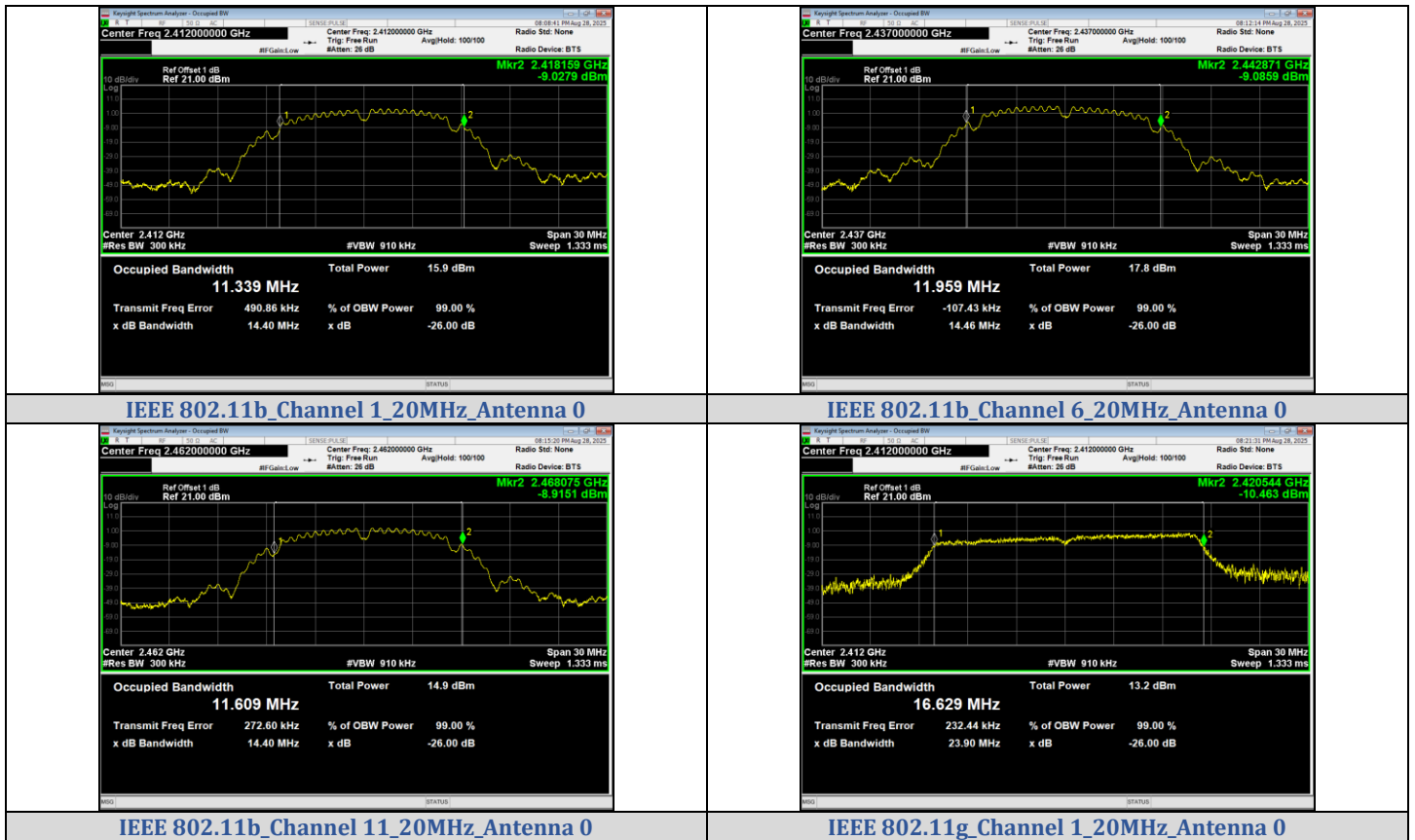


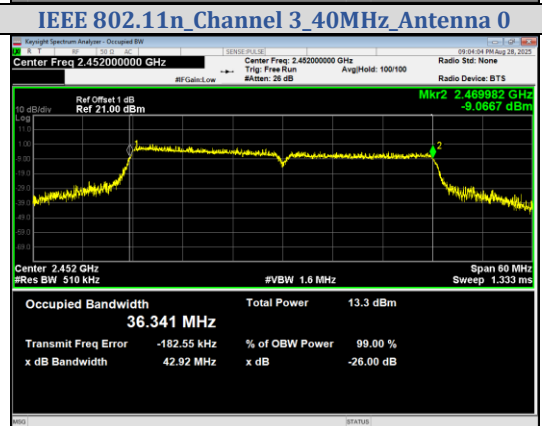
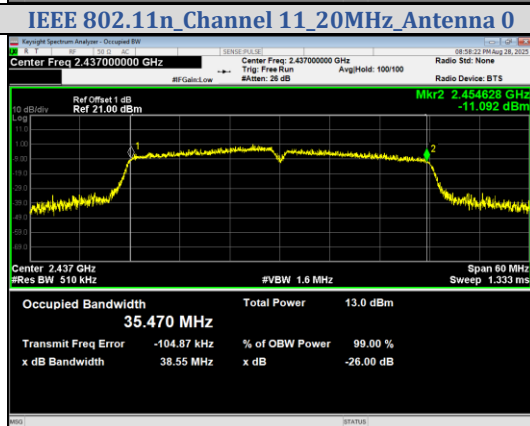
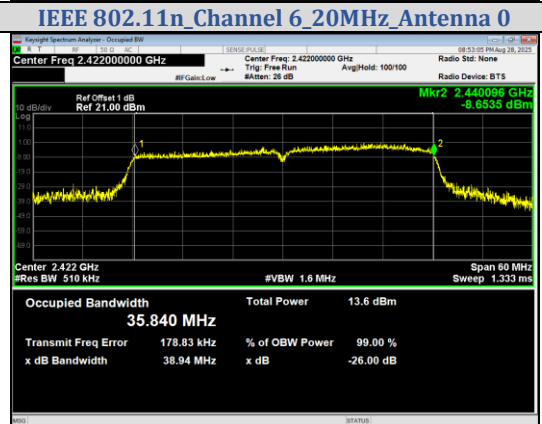
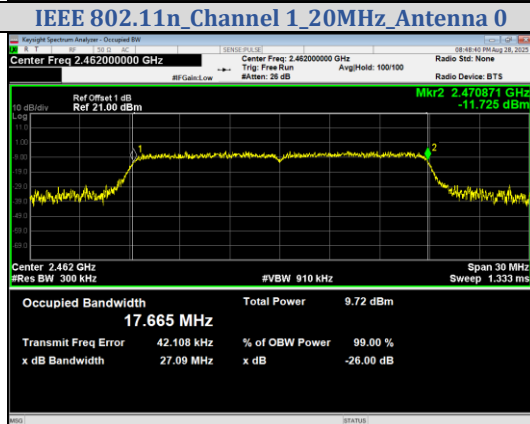
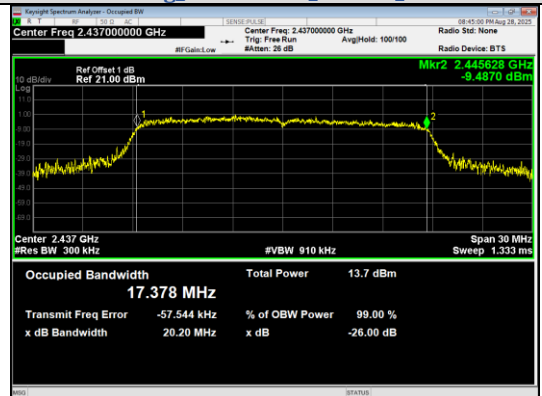
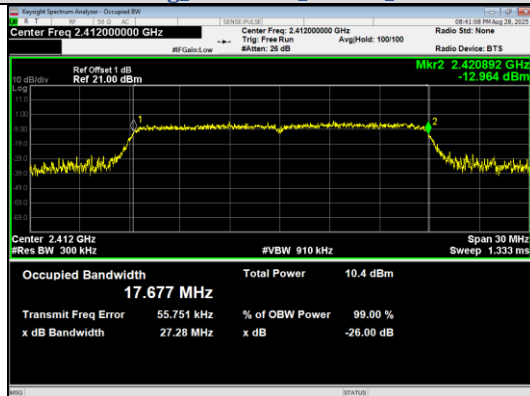
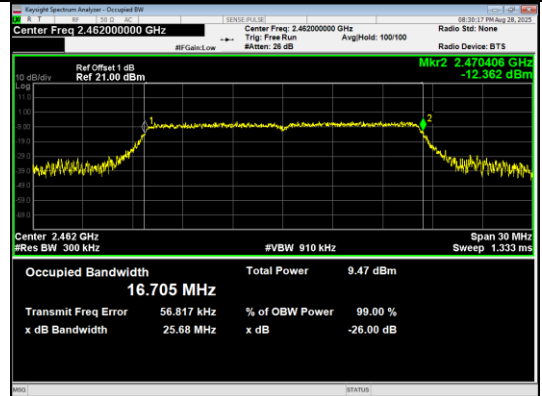
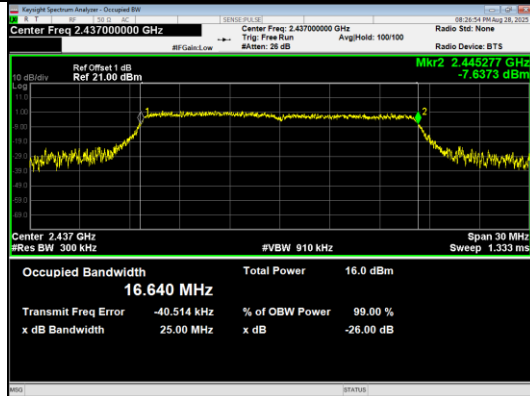
99% Bandwidth

Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11b	1	0	2412	11.339
	6		2437	11.959
	11		2462	11.609
IEEE 802.11g	1		2412	16.629
	6		2437	16.640
	11		2462	16.705
IEEE 802.11n_20	1		2412	17.677
	6		2437	17.378
	11		2462	17.665
IEEE 802.11n_40	3		2422	35.840
	6		2437	35.470
	9		2452	36.341

Test Graphs





IEEE 802.11n Channel 6 40MHz Antenna 0

IEEE 802.11n Channel 9 40MHz Antenna 0

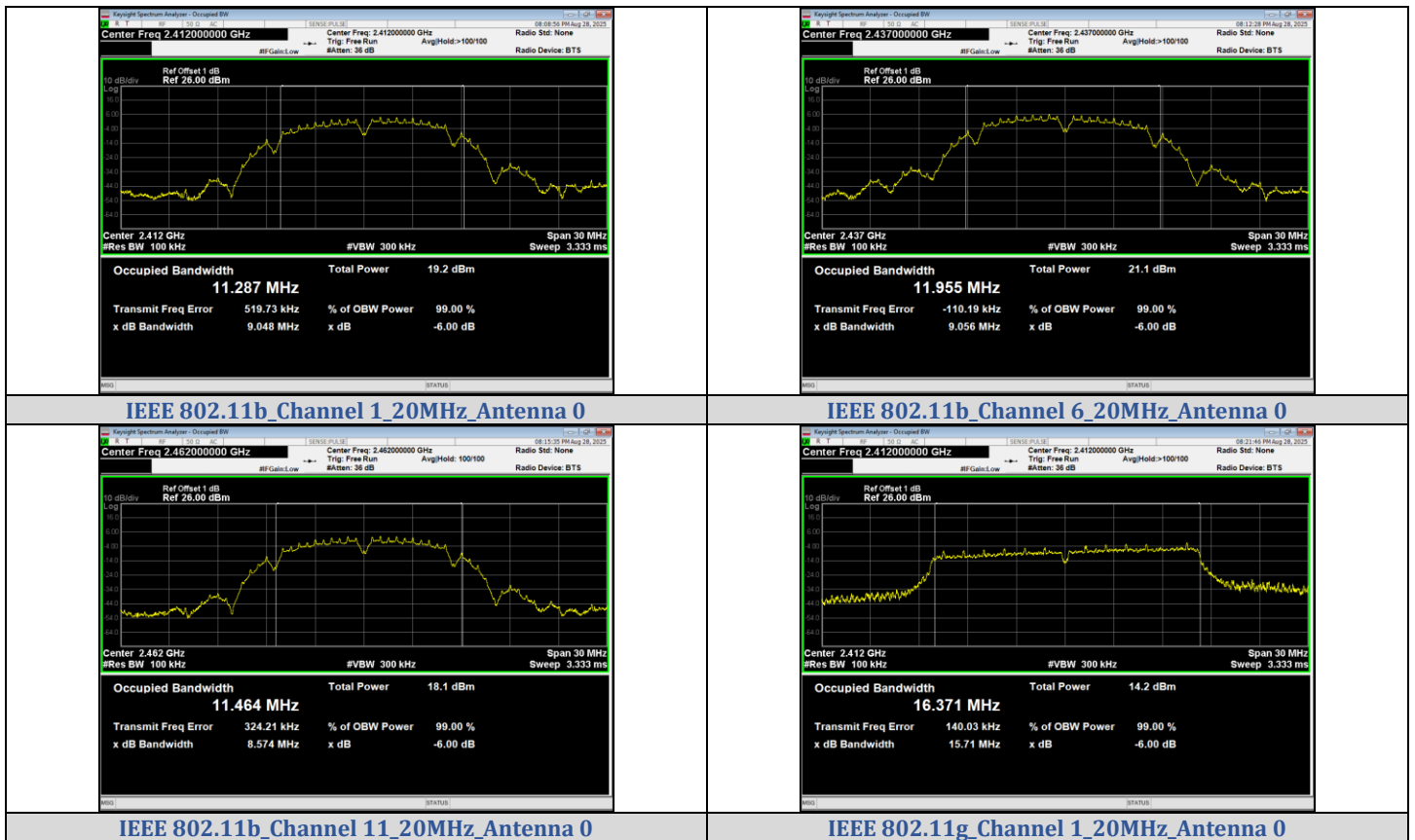


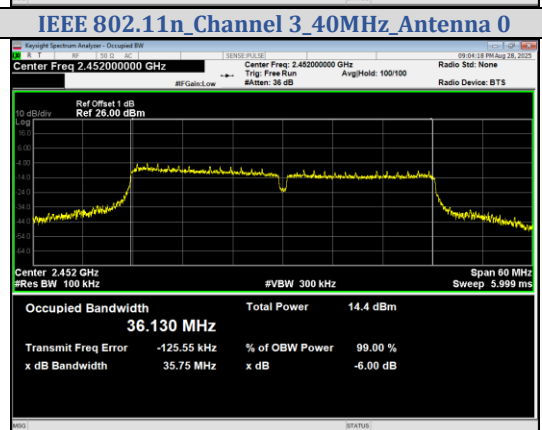
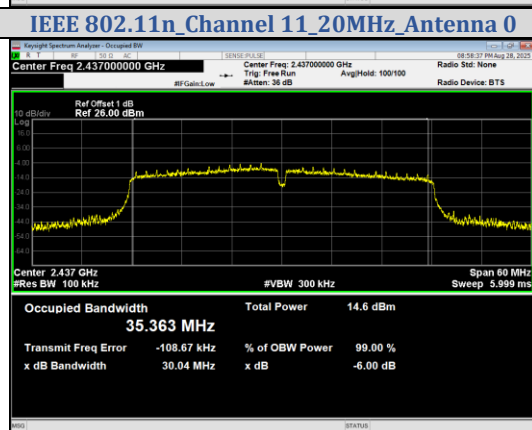
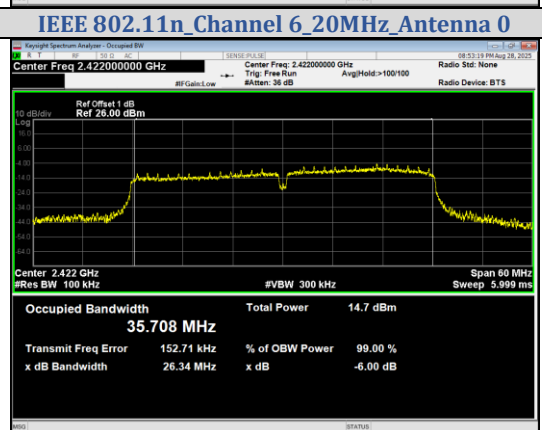
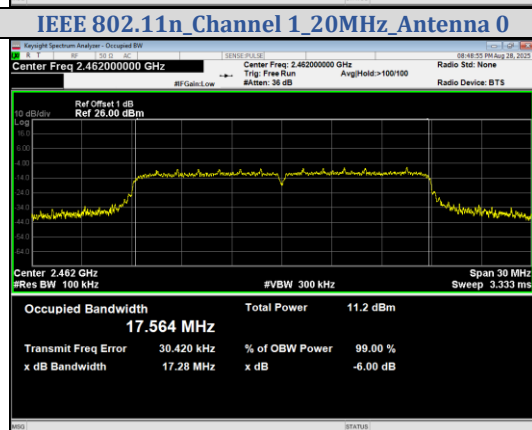
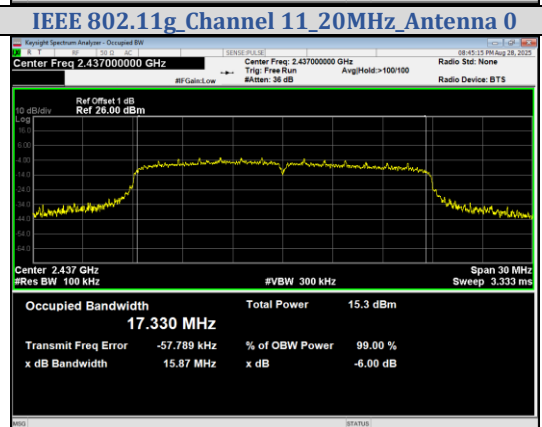
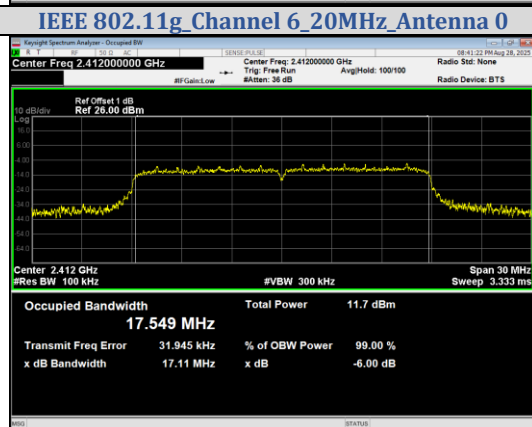
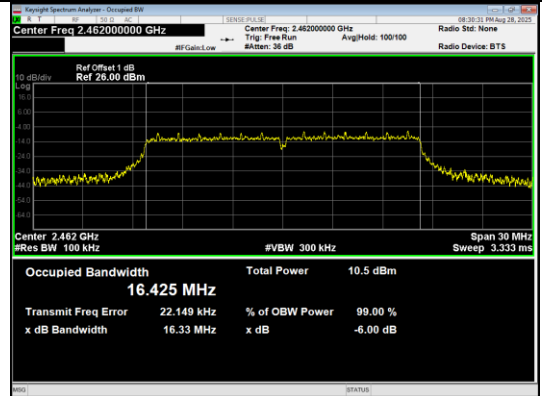
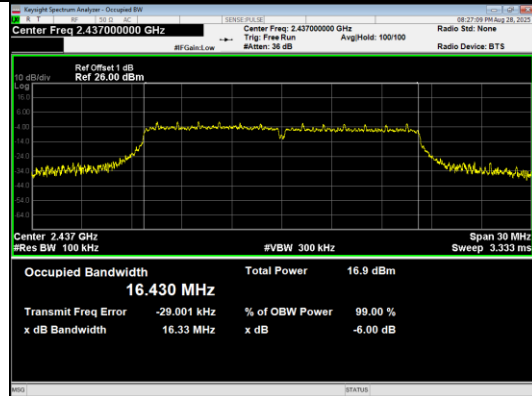
6dB Bandwidth

Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11b	1	0	2412	9.050	≥0.5	PASS
	6		2437	9.060		PASS
	11		2462	8.570		PASS
IEEE 802.11g	1		2412	15.71		PASS
	6		2437	16.33		PASS
	11		2462	16.33		PASS
IEEE 802.11n_20	1		2412	17.11		PASS
	6		2437	15.87		PASS
	11		2462	17.28		PASS
IEEE 802.11n_40	3		2422	26.34		PASS
	6		2437	30.04		PASS
	9		2452	35.75		PASS

Test Graphs





IEEE 802.11n Channel 6 40MHz Antenna 0

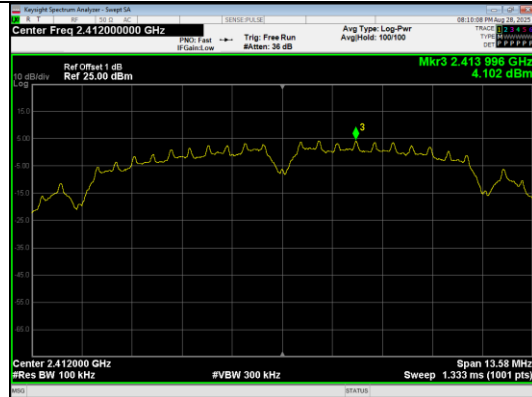
IEEE 802.11n Channel 9 40MHz Antenna 0

Conducted Out Of Band Emission

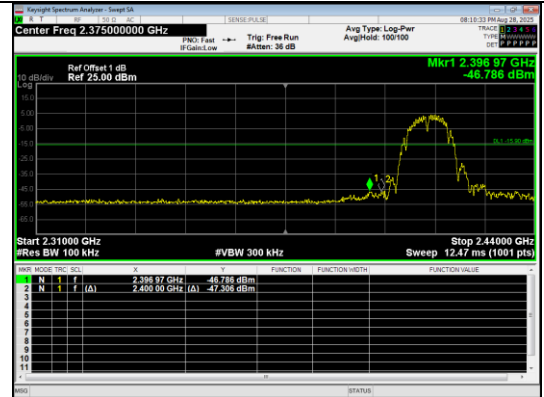
Test Result

Mode	Channel	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
IEEE 802.11b	1	0	2396.97	-46.786	-15.9	-30.886	PASS
			2400.00	-47.310	-15.9	-31.410	PASS
			24915.1	-38.903	-15.9	-23.003	PASS
	6		24837.1	-39.723	-14.05	-25.673	PASS
	11		2483.50	-53.440	-17.0	-36.440	PASS
			24946.9	-39.584	-17.0	-22.584	PASS
IEEE 802.11g	1		2398.27	-37.426	-21.78	-15.646	PASS
			2400.00	-38.990	-21.78	-17.210	PASS
			24932.0	-39.339	-21.78	-17.559	PASS
	6		24989.4	-39.609	-20.42	-19.189	PASS
	11		2483.50	-50.500	-26.8	-23.700	PASS
			24926.3	-40.145	-26.8	-13.345	PASS
IEEE 802.11n_20	1		2400.00	-35.410	-26.11	-9.300	PASS
	6		24978.2	-39.889	-26.11	-13.779	PASS
			24946.9	-39.810	-22.21	-17.600	PASS
	11		2483.50	-50.730	-26.91	-23.820	PASS
			24984.4	-39.404	-26.91	-12.494	PASS
	IEEE 802.11n_40		3	2397.10	-37.586	-24.09	-13.496
2400.00				-41.760	-24.09	-17.670	PASS
24349.5				-39.329	-24.09	-15.239	PASS
6			24344.5	-40.436	-24.29	-16.146	PASS
9			2483.50	-50.090	-24.11	-25.980	PASS
			24967.5	-40.472	-24.11	-16.362	PASS

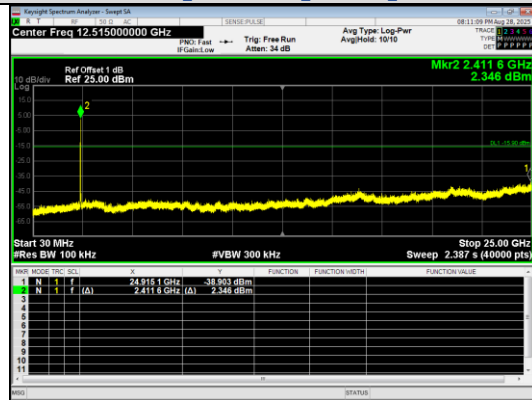
Test Graphs



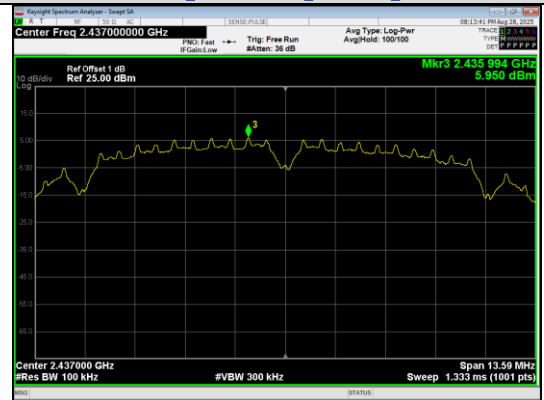
In-Band Reference Level
IEEE 802.11b Channel 1_20MHz_Antenna 0



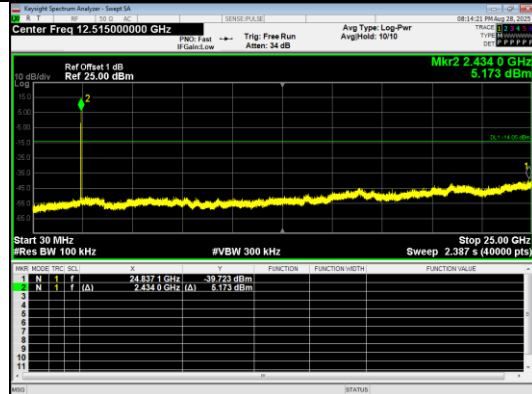
Out Of Band Emission
IEEE 802.11b Channel 1_20MHz_Antenna 0



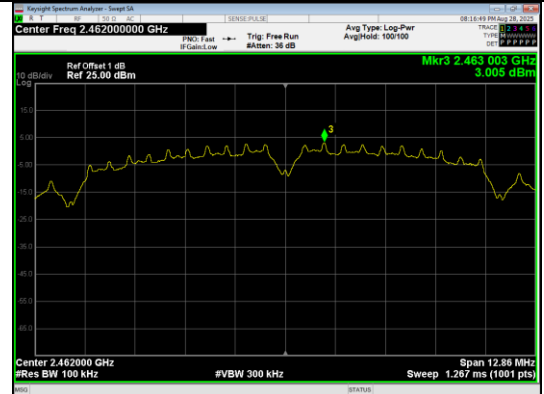
30.0 MHz - 25000.0 MHz
IEEE 802.11b Channel 1_20MHz_Antenna 0



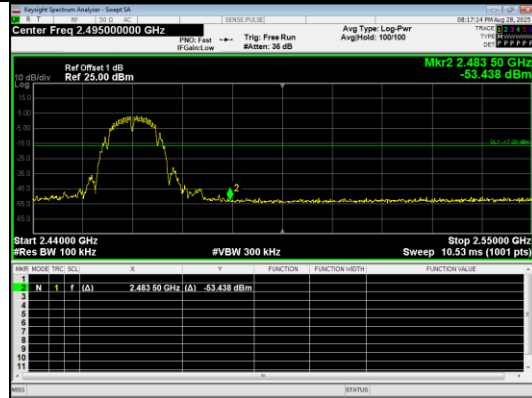
In-Band Reference Level
IEEE 802.11b Channel 6_20MHz_Antenna 0



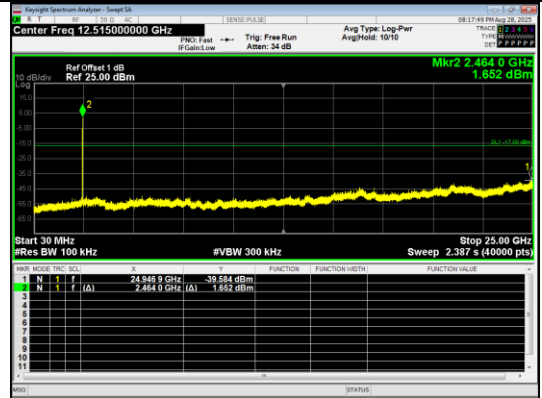
30.0 MHz - 25000.0 MHz
IEEE 802.11b Channel 6_20MHz_Antenna 0



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



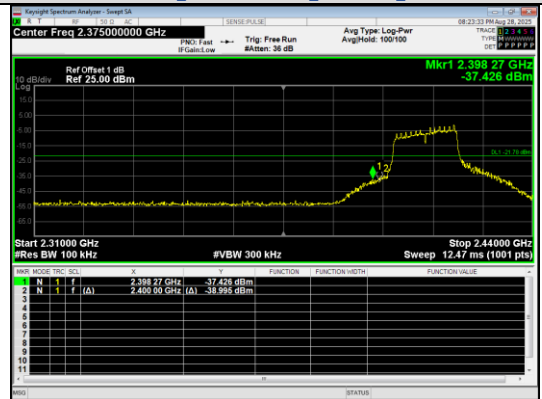
Out Of Band Emission
IEEE 802.11b Channel 11_20MHz_Antenna 0



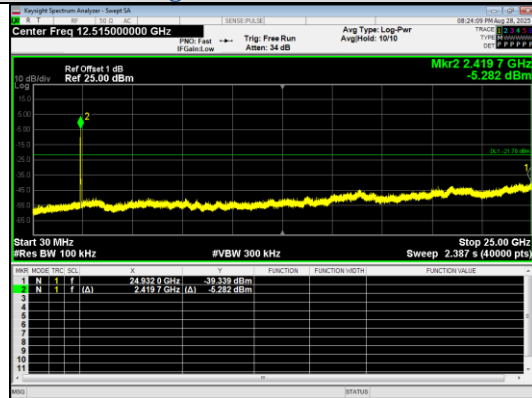
30.0 MHz - 25000.0 MHz
IEEE 802.11b Channel 11_20MHz_Antenna 0



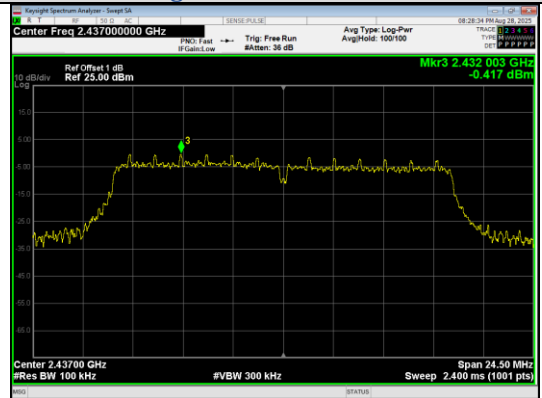
In-Band Reference Level
IEEE 802.11g Channel 1_20MHz_Antenna 0



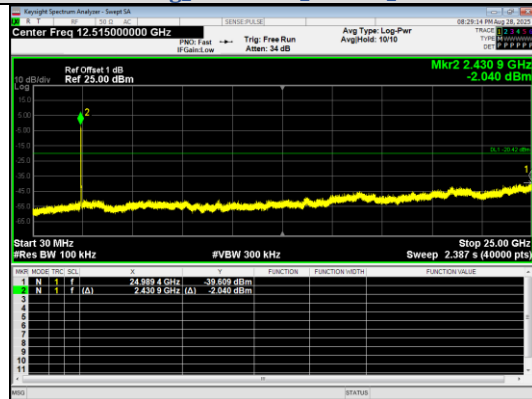
Out Of Band Emission
IEEE 802.11g Channel 1_20MHz_Antenna 0



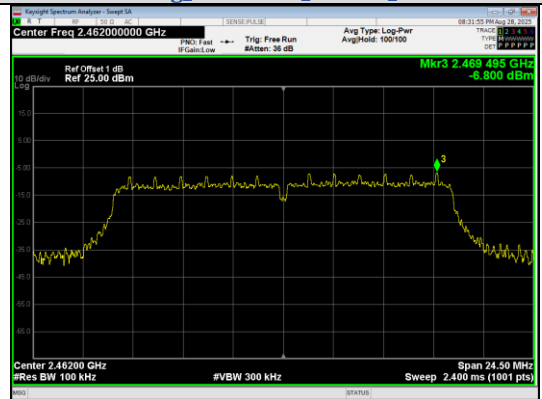
30.0 MHz - 25000.0 MHz
IEEE 802.11g Channel 1_20MHz_Antenna 0



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

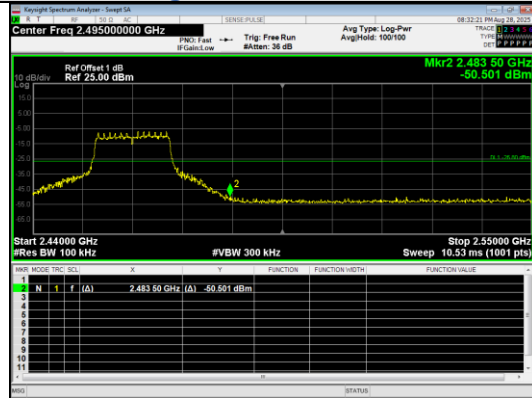


30.0 MHz - 25000.0 MHz

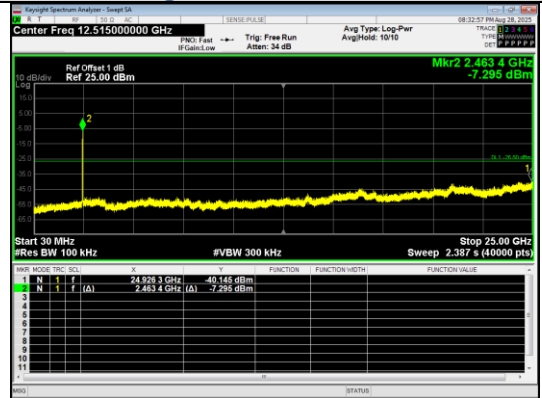


In-Band Reference Level

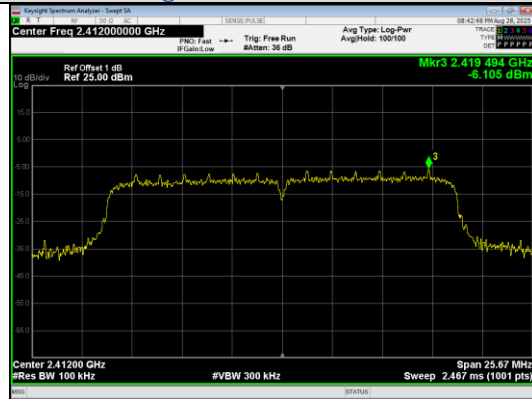
IEEE 802.11g_Channel 6_20MHz_Antenna 0



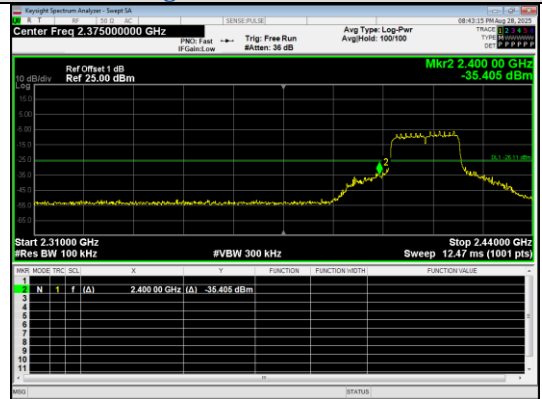
IEEE 802.11g_Channel 11_20MHz_Antenna 0



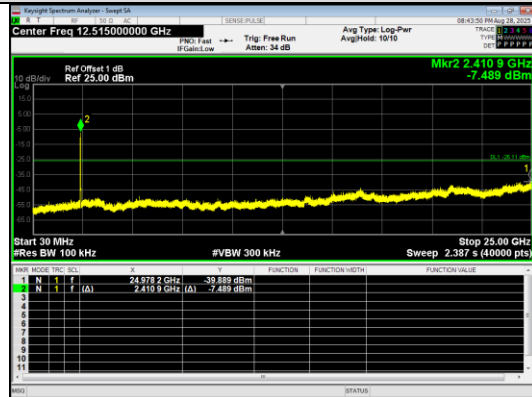
Out Of Band Emission IEEE 802.11g_Channel 11_20MHz_Antenna 0



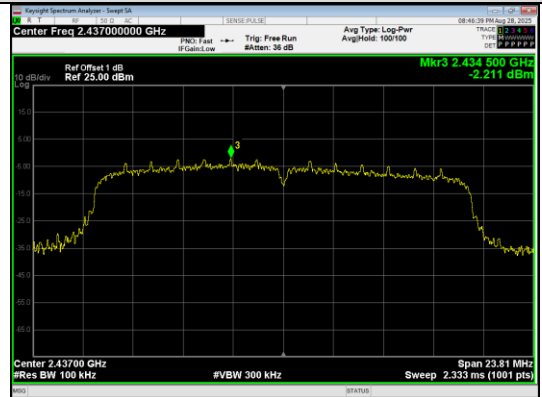
30.0 MHz - 25000.0 MHz IEEE 802.11g_Channel 11_20MHz_Antenna 0



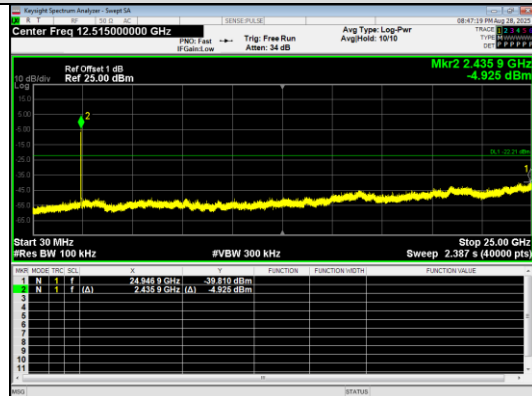
In-Band Reference Level IEEE 802.11n_Channel 1_20MHz_Antenna 0



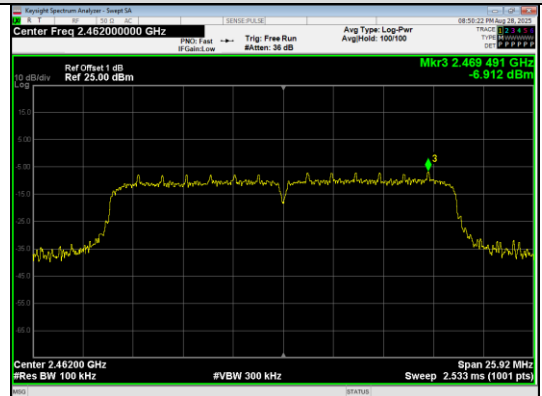
Out Of Band Emission IEEE 802.11n_Channel 1_20MHz_Antenna 0



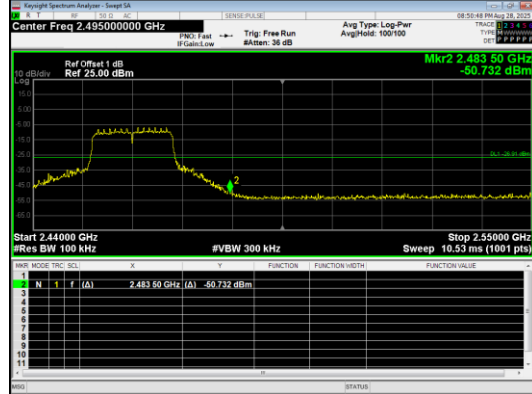
30.0 MHz - 25000.0 MHz IEEE 802.11n_Channel 1_20MHz_Antenna 0



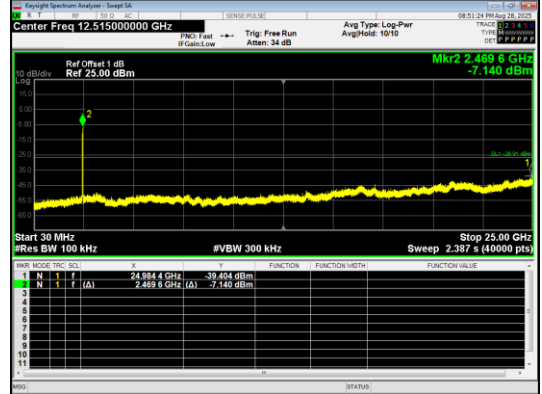
In-Band Reference Level IEEE 802.11n_Channel 6_20MHz_Antenna 0



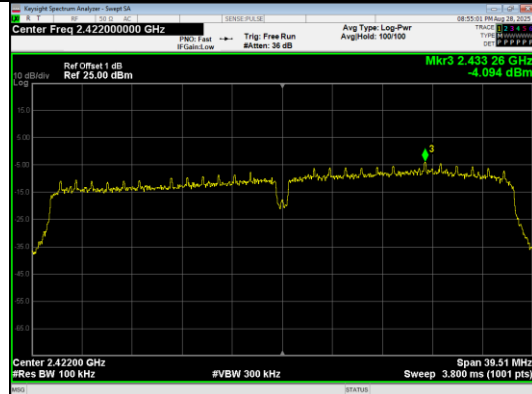
30.0 MHz - 25000.0 MHz IEEE 802.11n_Channel 6_20MHz_Antenna 0



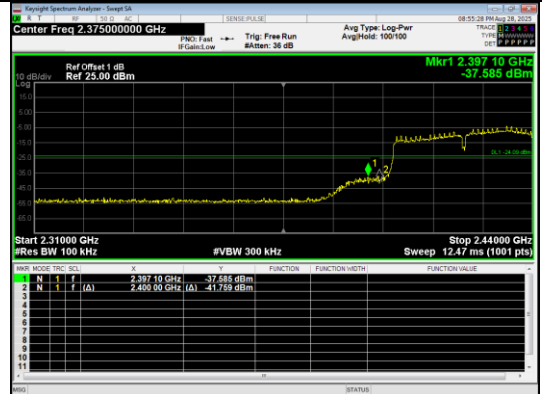
In-Band Reference Level IEEE 802.11n_Channel 11_20MHz_Antenna 0



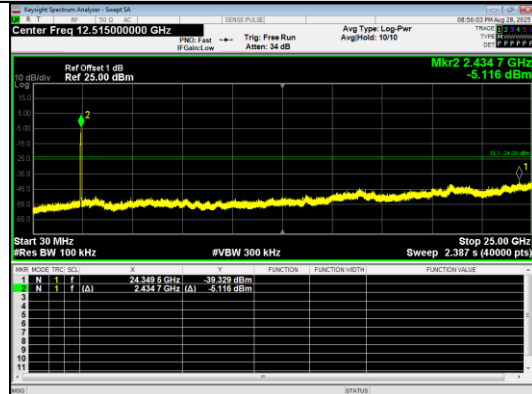
Out Of Band Emission IEEE 802.11n_Channel 11_20MHz_Antenna 0



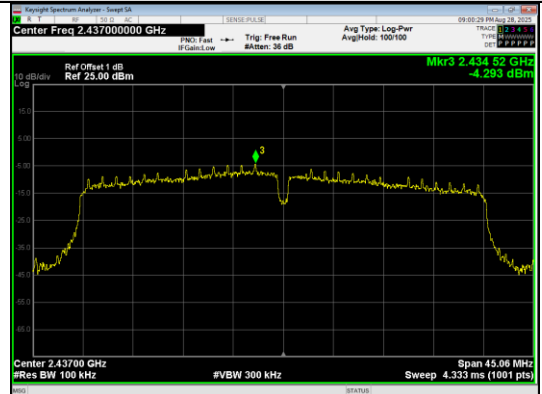
30.0 MHz - 25000.0 MHz IEEE 802.11n_Channel 11_20MHz_Antenna 0



In-Band Reference Level IEEE 802.11n_Channel 3_40MHz_Antenna 0

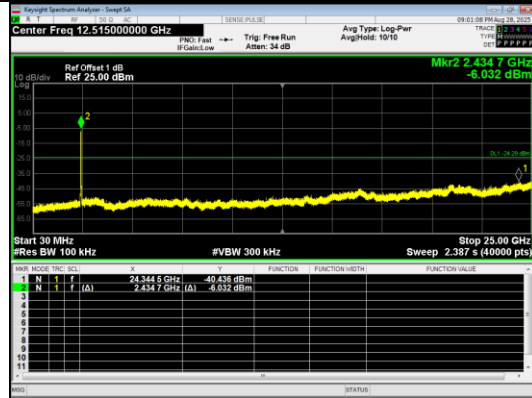


Out Of Band Emission IEEE 802.11n_Channel 3_40MHz_Antenna 0

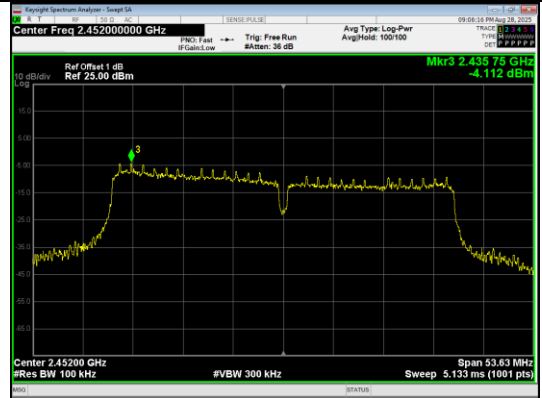


30.0 MHz - 25000.0 MHz IEEE 802.11n_Channel 3_40MHz_Antenna 0

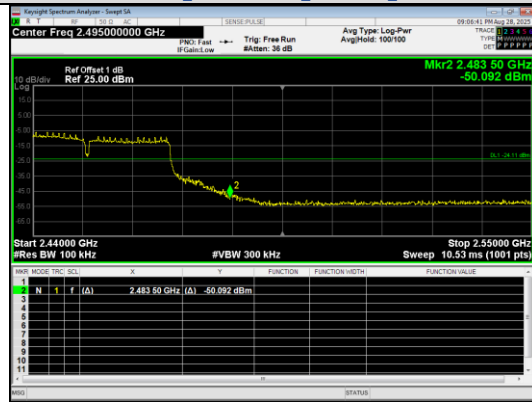
In-Band Reference Level IEEE 802.11n_Channel 6_40MHz_Antenna 0



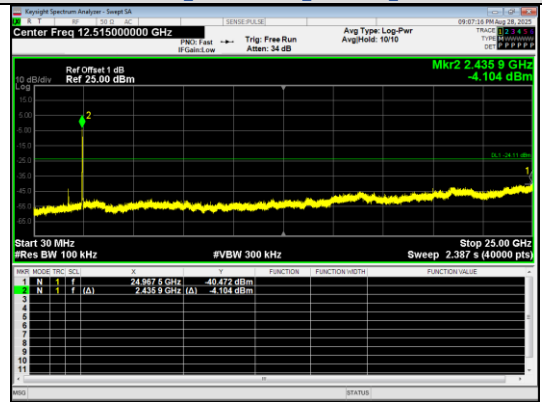
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 6_40MHz_Antenna 0



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



Duty Cycle

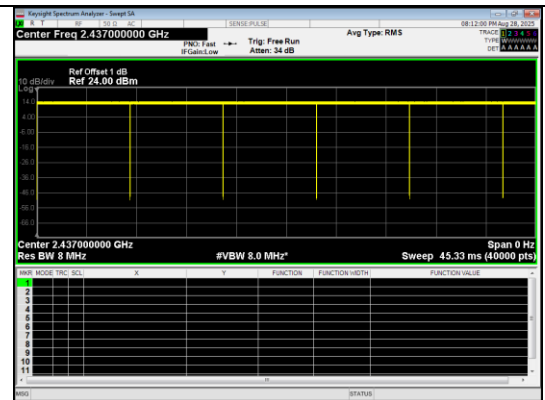
Test Result

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	8.465	99.42	0.9942	0.0253	0.1188
		6		8.416	8.464	99.44	0.9944	0.0244	0.1188
		11		8.416	8.464	99.44	0.9944	0.0244	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	0.640	91.95	0.9195	0.3645	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



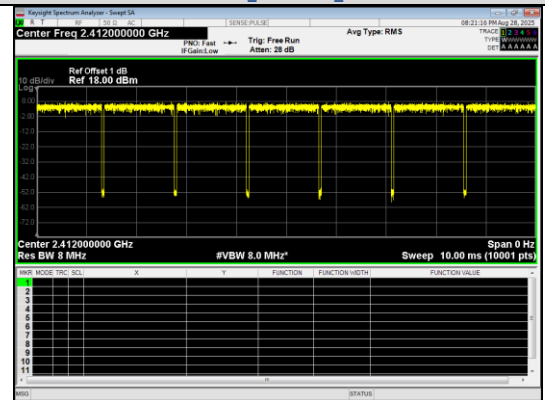
IEEE 802.11b_20MHz_Channel 1



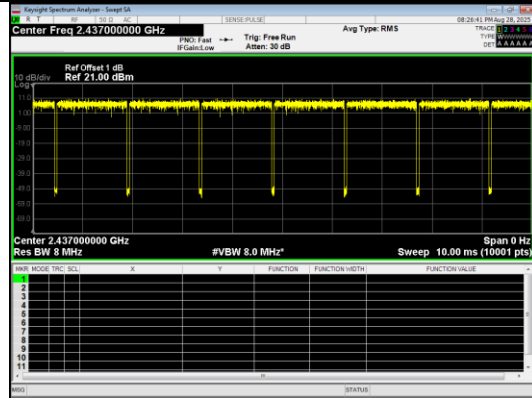
IEEE 802.11b_20MHz_Channel 6



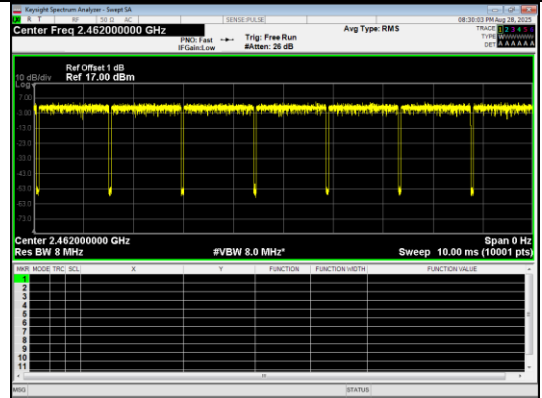
IEEE 802.11b_20MHz_Channel 11



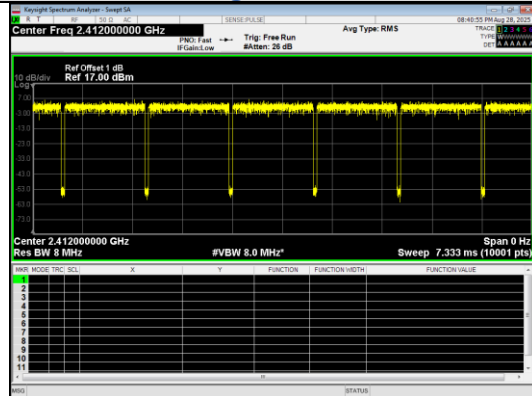
IEEE 802.11g_20MHz_Channel 1



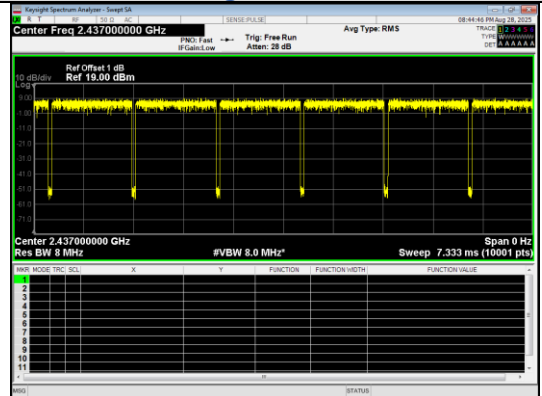
IEEE 802.11g_20MHz_Channel 6



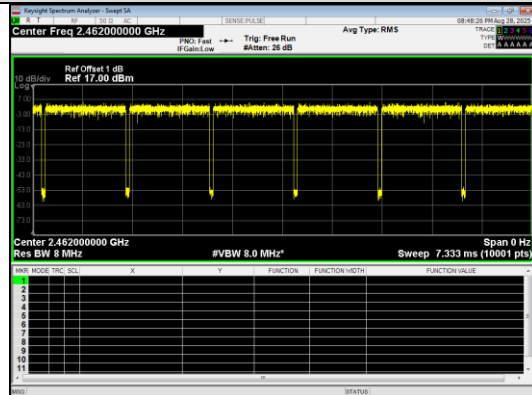
IEEE 802.11g_20MHz_Channel 11



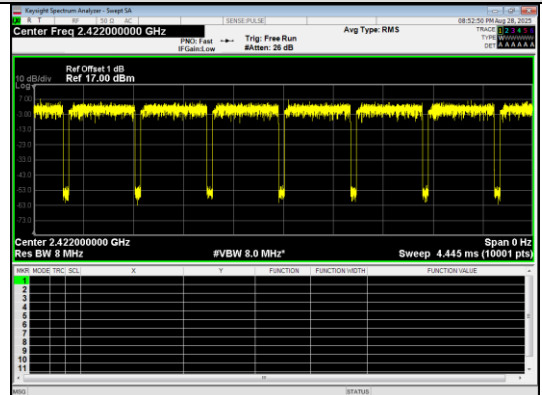
IEEE 802.11n_20MHz_Channel 1



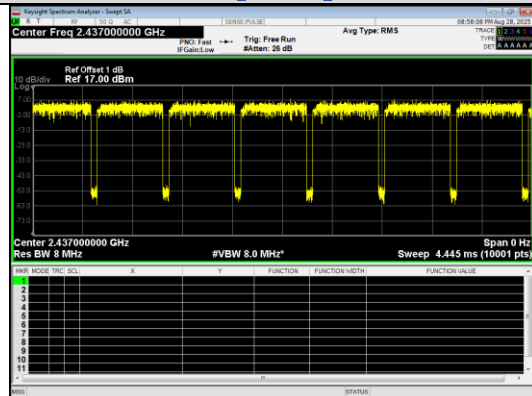
IEEE 802.11n_20MHz_Channel 6



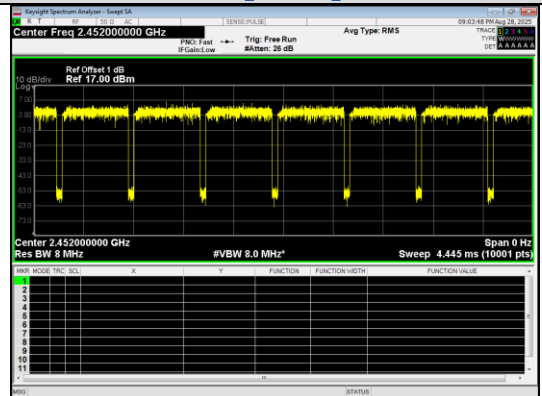
IEEE 802.11n_20MHz_Channel 11



IEEE 802.11n_40MHz_Channel 3



IEEE 802.11n_40MHz_Channel 6



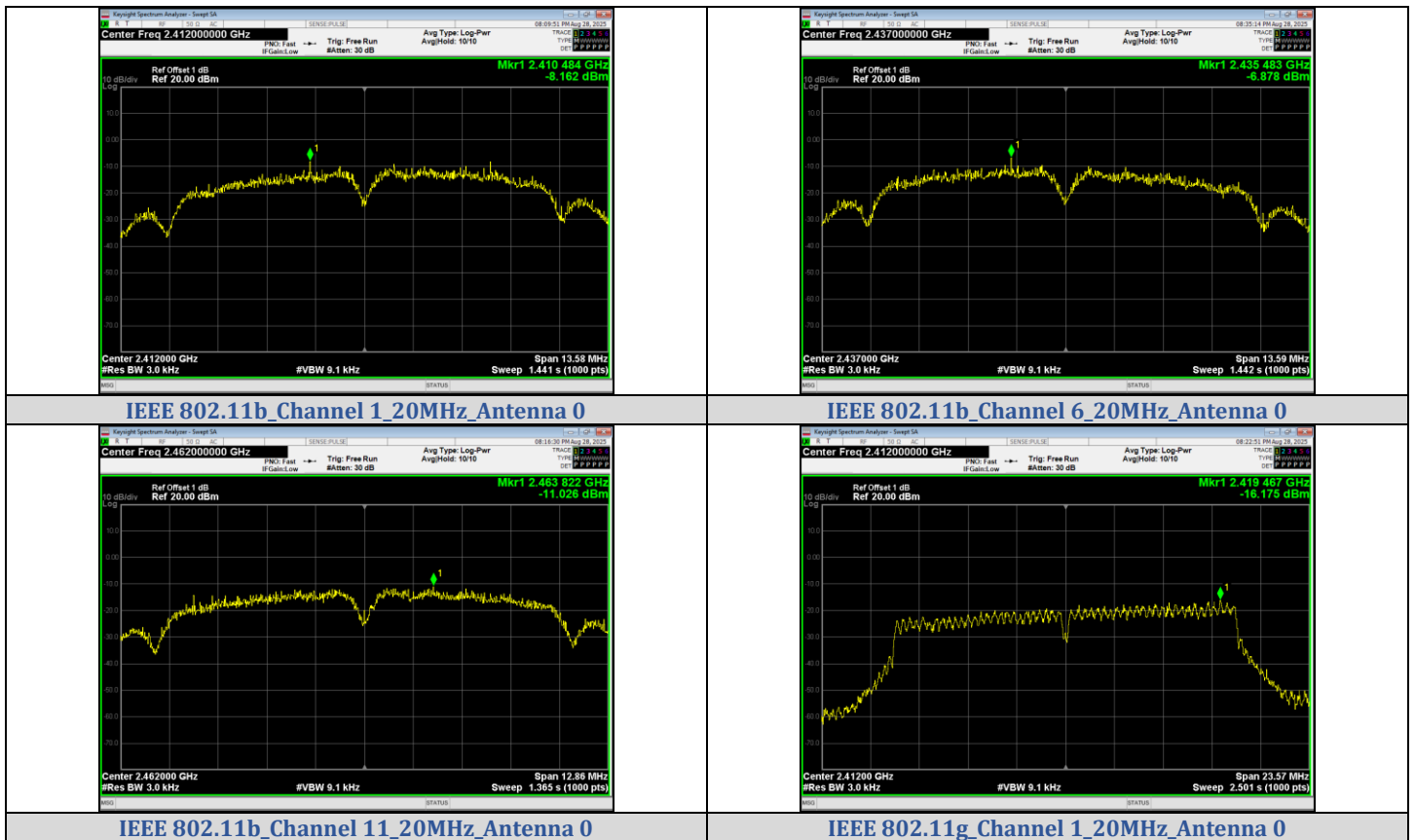
IEEE 802.11n_40MHz_Channel 9

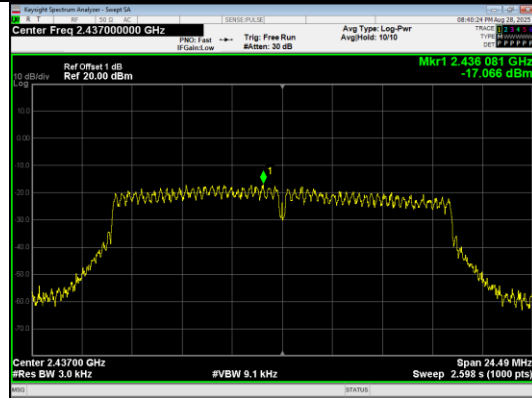
Power Spectral Density

Test Result

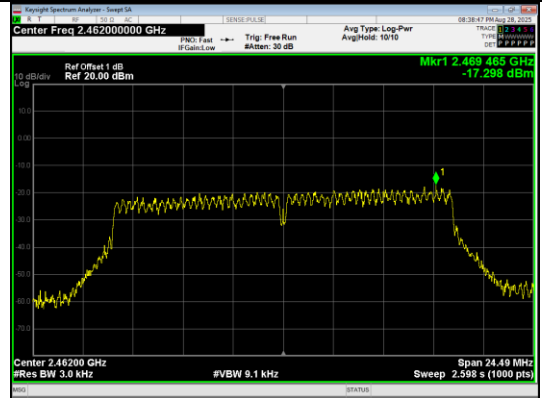
Mode	Channel	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
IEEE 802.11b	1	-8.160	≤8	PASS
	6	-6.880		PASS
	11	-11.030		PASS
IEEE 802.11g	1	-16.180		PASS
	6	-17.070		PASS
	11	-17.300		PASS
IEEE 802.11n_20	1	-19.630		PASS
	6	-16.210		PASS
	11	-20.020		PASS
IEEE 802.11n_40	3	-19.140		PASS
	6	-19.340		PASS
	9	-18.470		PASS

Test Graphs

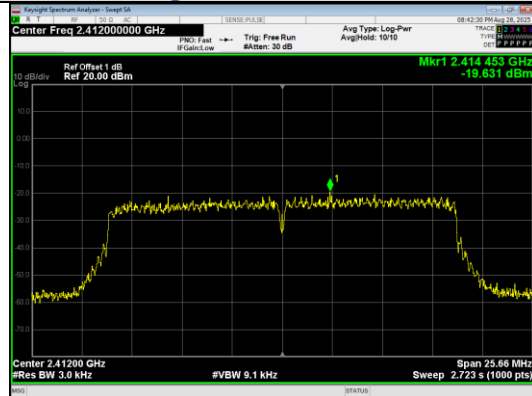




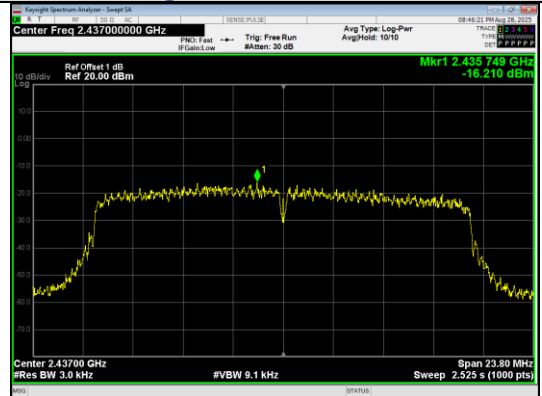
IEEE 802.11g_Channel 6_20MHz_Antenna 0



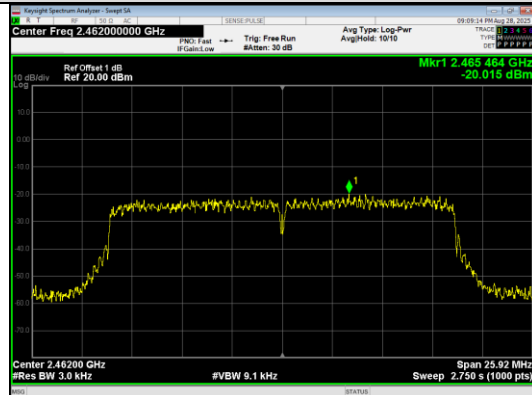
IEEE 802.11g_Channel 11_20MHz_Antenna 0



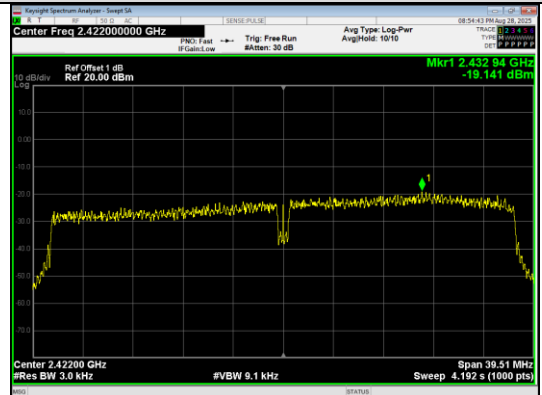
IEEE 802.11n_Channel 1_20MHz_Antenna 0



IEEE 802.11n_Channel 6_20MHz_Antenna 0



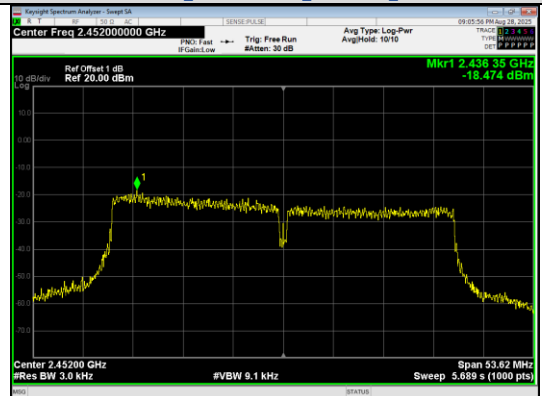
IEEE 802.11n_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 3_40MHz_Antenna 0



IEEE 802.11n_Channel 6_40MHz_Antenna 0



IEEE 802.11n_Channel 9_40MHz_Antenna 0