

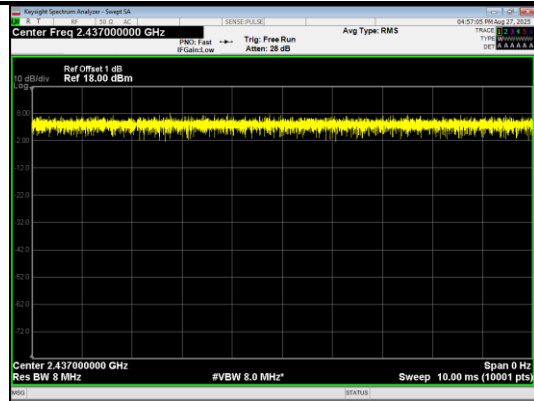
Duty Cycle

Test Result

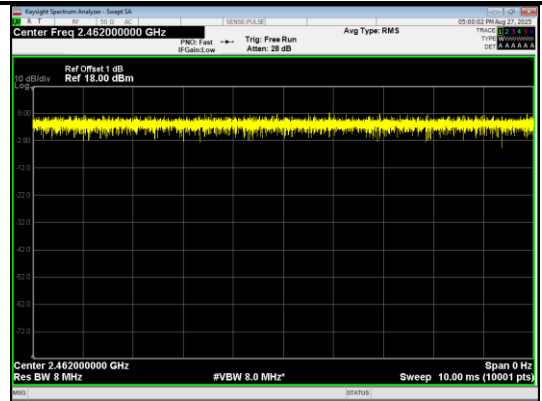
Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11b	1	1	1	32.000	32.000	100	1	0.0	0.0312
		6		32.000	32.000	100	1	0.0	0.0312
		11		32.000	32.000	100	1	0.0	0.0312
IEEE 802.11g		1		10.000	10.000	100	1	0.0	0.1000
		6		10.000	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
IEEE 802.11n_40		3		10.000	10.000	100	1	0.0	0.1000
		6		10.000	10.000	100	1	0.0	0.1000
		9		10.000	10.000	100	1	0.0	0.1000

Test Graphs

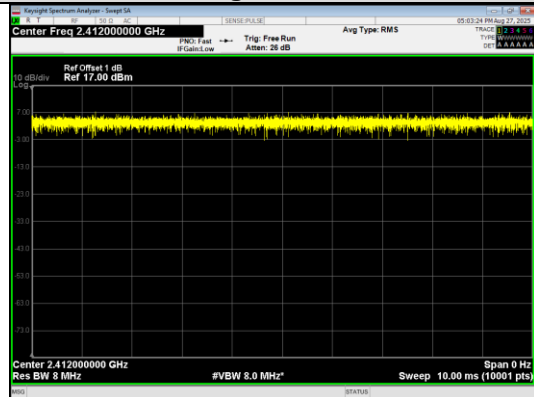




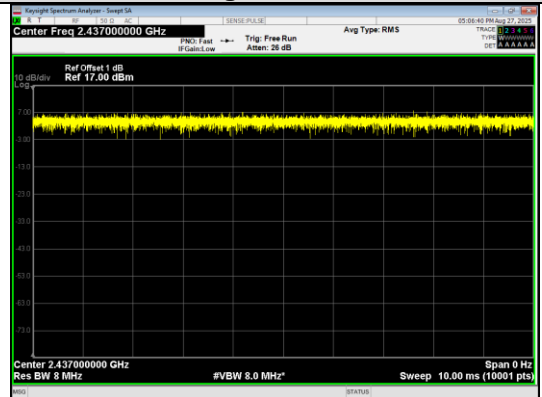
IEEE 802.11g 20MHz_Channel 6



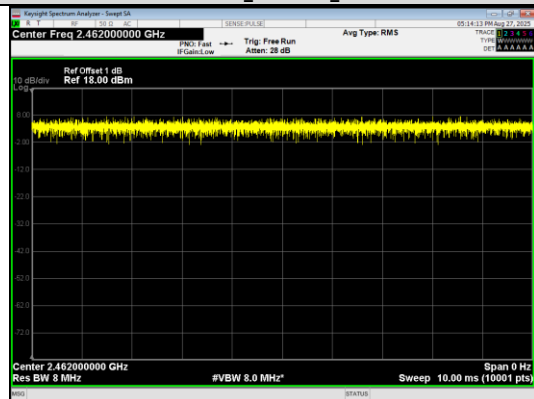
IEEE 802.11g 20MHz_Channel 11



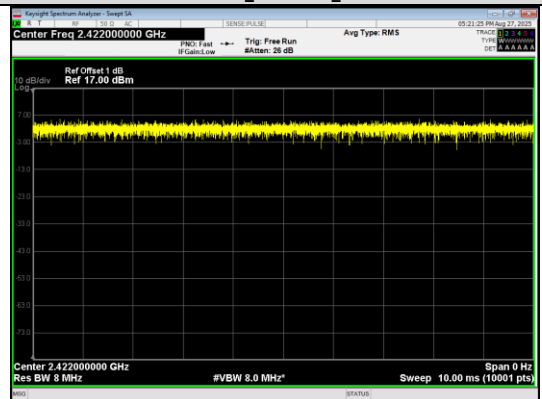
IEEE 802.11n 20MHz_Channel 1



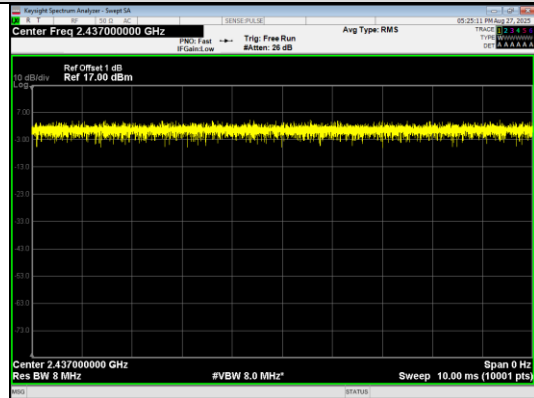
IEEE 802.11n 20MHz_Channel 6



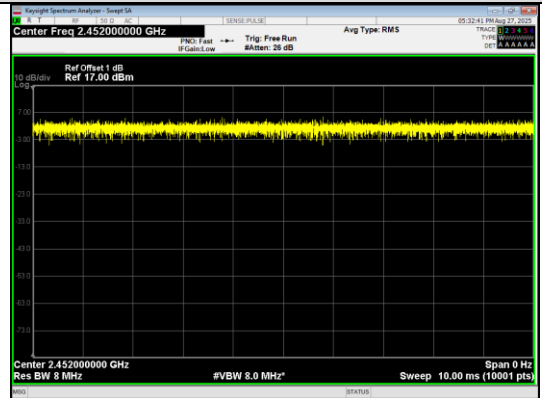
IEEE 802.11n 20MHz_Channel 11



IEEE 802.11n 40MHz_Channel 3



IEEE 802.11n 40MHz_Channel 6



IEEE 802.11n 40MHz_Channel 9

Conducted Output Power

Test Result

Conducted Output Power

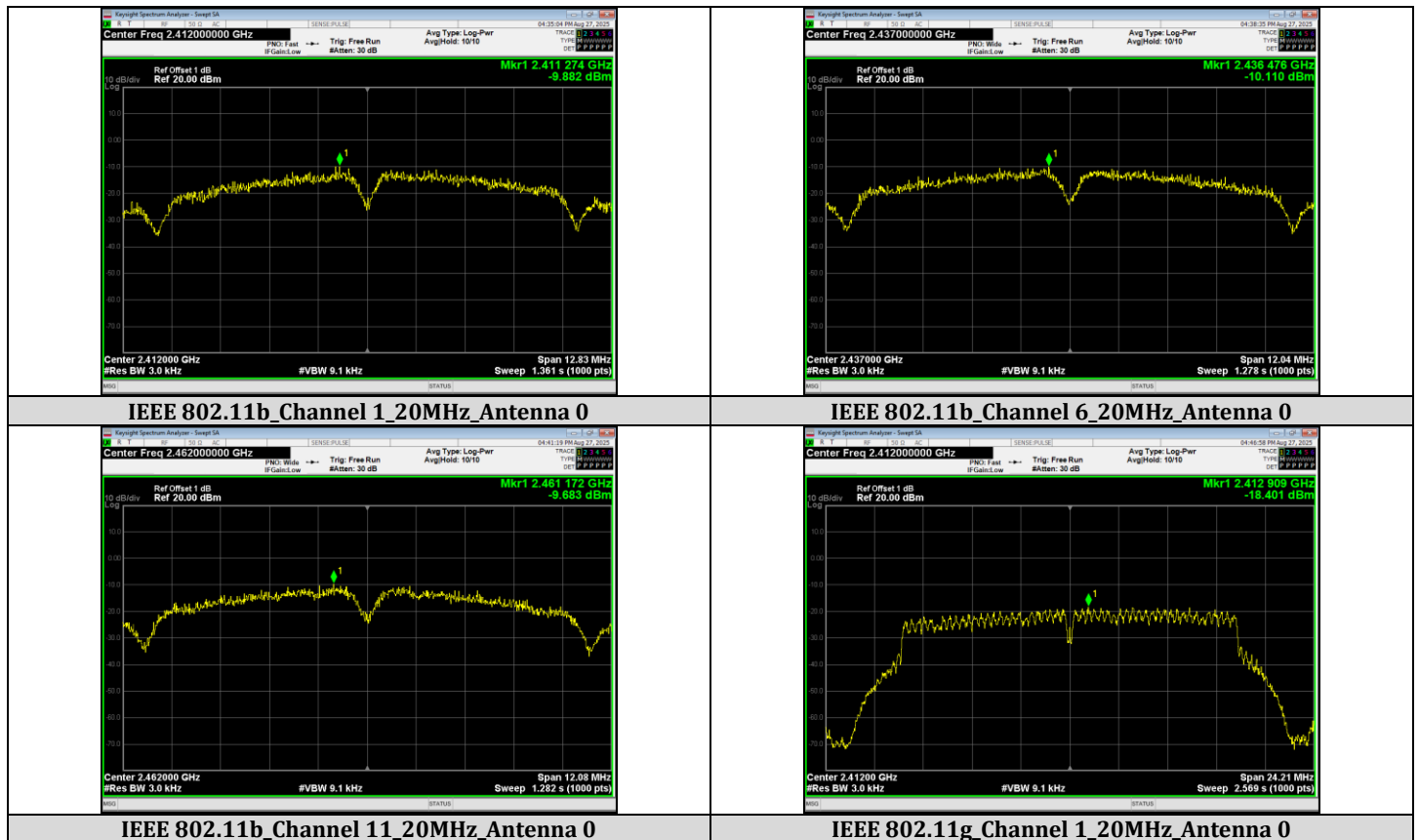
Mode	Channel	Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11b	1	13.97	≤30	PASS
	6	14.35	≤30	PASS
	11	14.27	≤30	PASS
IEEE 802.11g	1	13.65	≤30	PASS
	6	13.96	≤30	PASS
	11	13.68	≤30	PASS
IEEE 802.11n_20	1	13.60	≤30	PASS
	6	13.83	≤30	PASS
	11	13.46	≤30	PASS
IEEE 802.11n_40	3	14.08	≤30	PASS
	6	14.25	≤30	PASS
	9	13.96	≤30	PASS

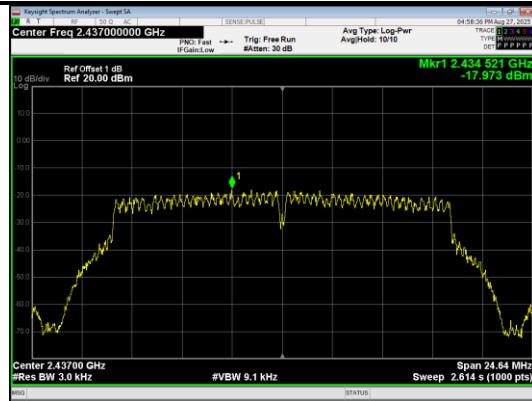
Power Spectral Density

Test Result

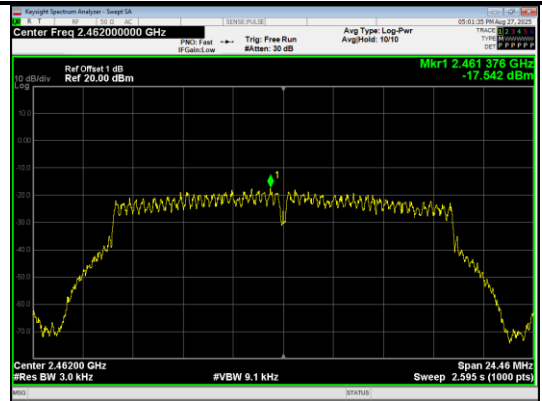
Mode	Channel	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
IEEE 802.11b	1	-9.880	≤8	PASS
	6	-10.110		PASS
	11	-9.680		PASS
IEEE 802.11g	1	-18.400		PASS
	6	-17.970		PASS
	11	-17.540		PASS
IEEE 802.11n_20	1	-18.100		PASS
	6	-17.620		PASS
	11	-18.090		PASS
IEEE 802.11n_40	3	-19.680		PASS
	6	-20.030		PASS
	9	-19.000		PASS

Test Graphs

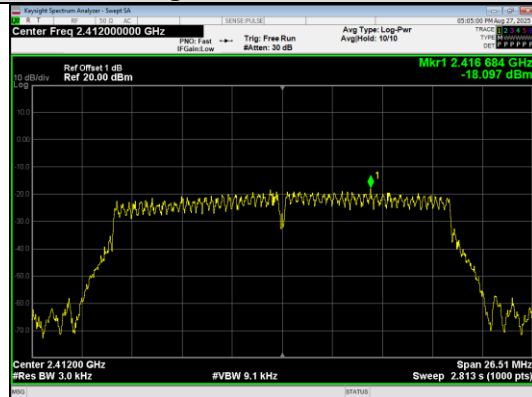




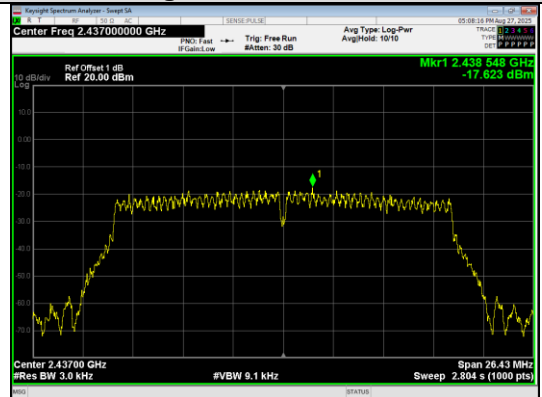
IEEE 802.11g_Channel 6_20MHz_Antenna 0



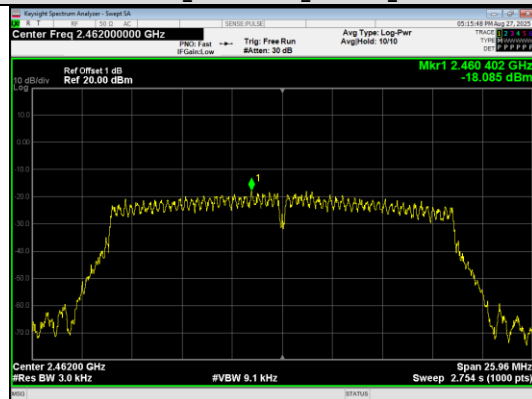
IEEE 802.11g_Channel 11_20MHz_Antenna 0



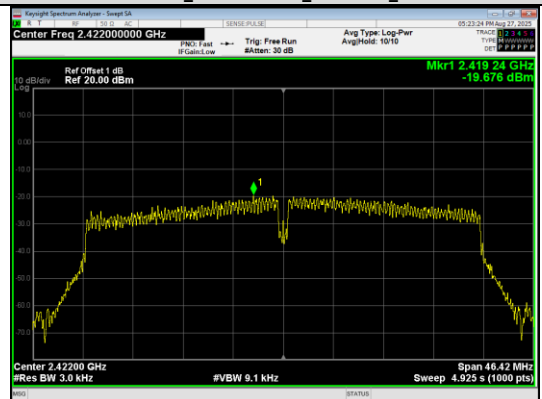
IEEE 802.11n_Channel 1_20MHz_Antenna 0



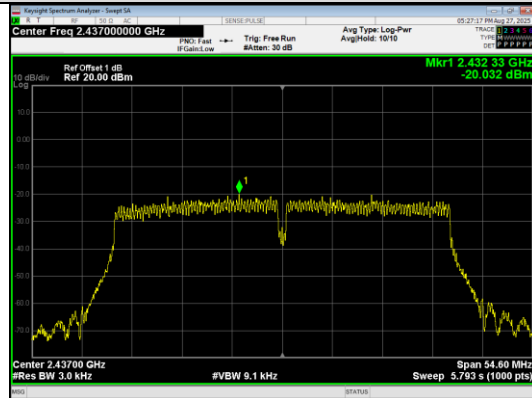
IEEE 802.11n_Channel 6_20MHz_Antenna 0



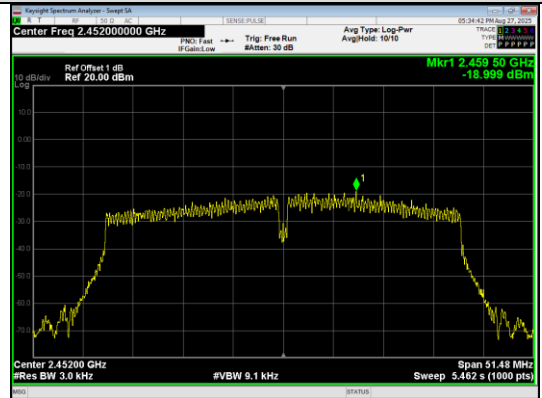
IEEE 802.11n_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 3_40MHz_Antenna 0



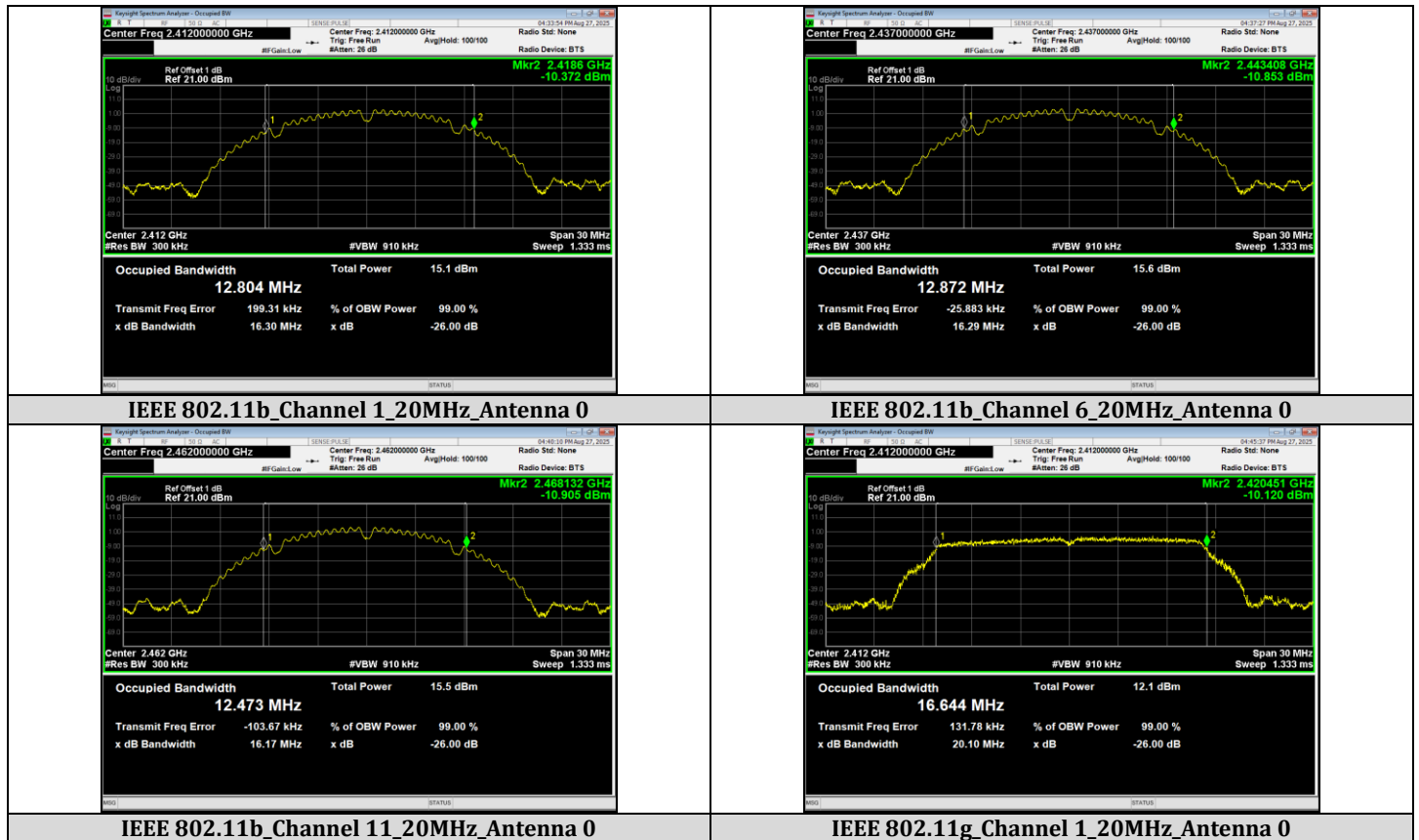
IEEE 802.11n_Channel 6_40MHz_Antenna 0

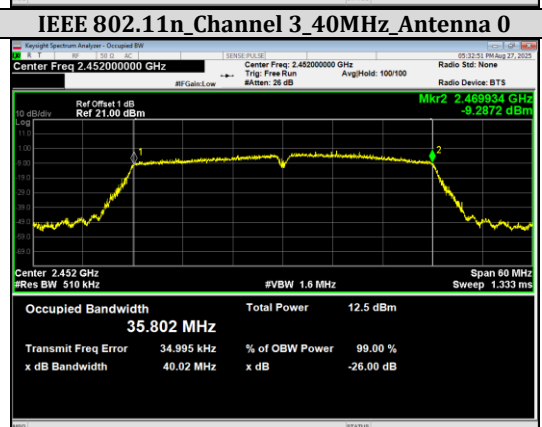
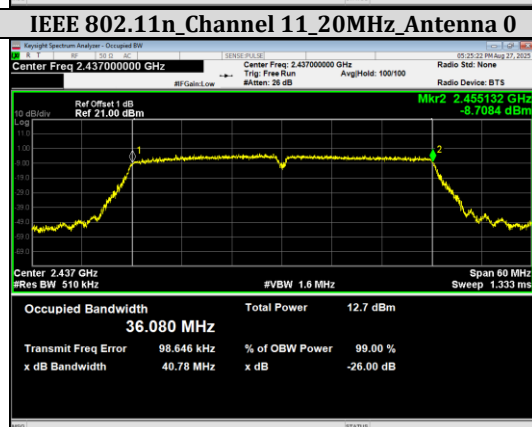
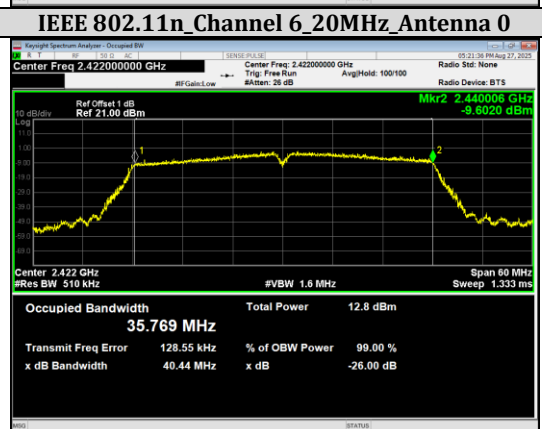
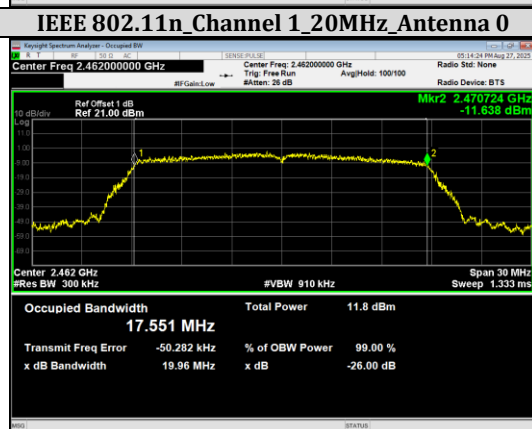
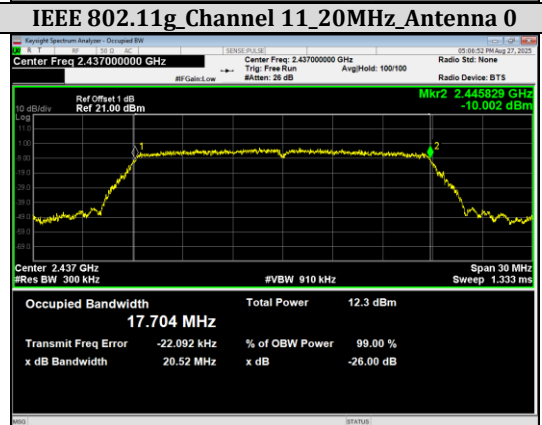
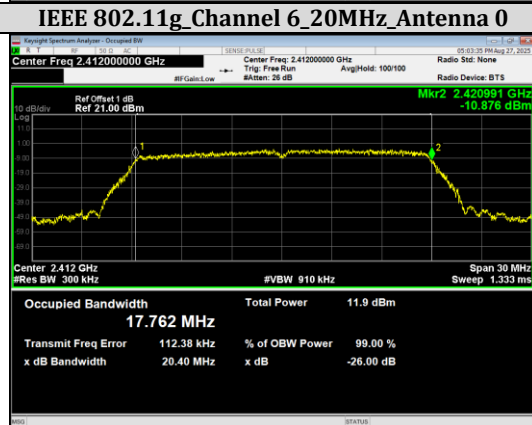
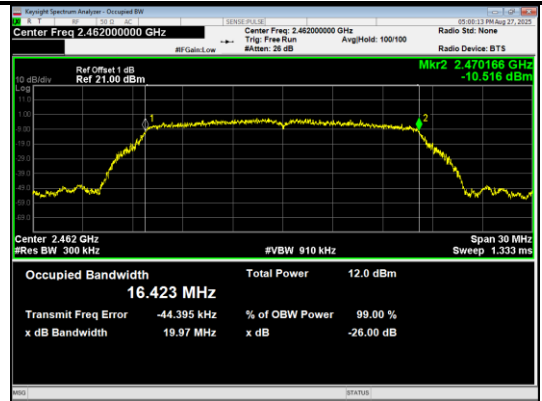
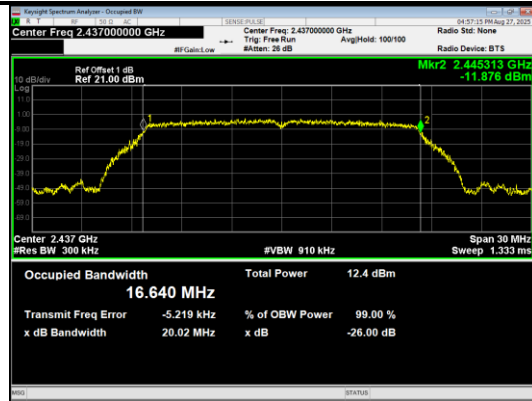


IEEE 802.11n_Channel 9_40MHz_Antenna 0

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

Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11b	1	0	2412	12.804
	6		2437	12.872
	11		2462	12.473
IEEE 802.11g	1		2412	16.644
	6		2437	16.640
	11		2462	16.423
IEEE 802.11n_20	1		2412	17.762
	6		2437	17.704
	11		2462	17.551
IEEE 802.11n_40	3		2422	35.769
	6		2437	36.080
	9		2452	35.802

Test Graphs



IEEE 802.11n_Channel 6_40MHz_Antenna 0

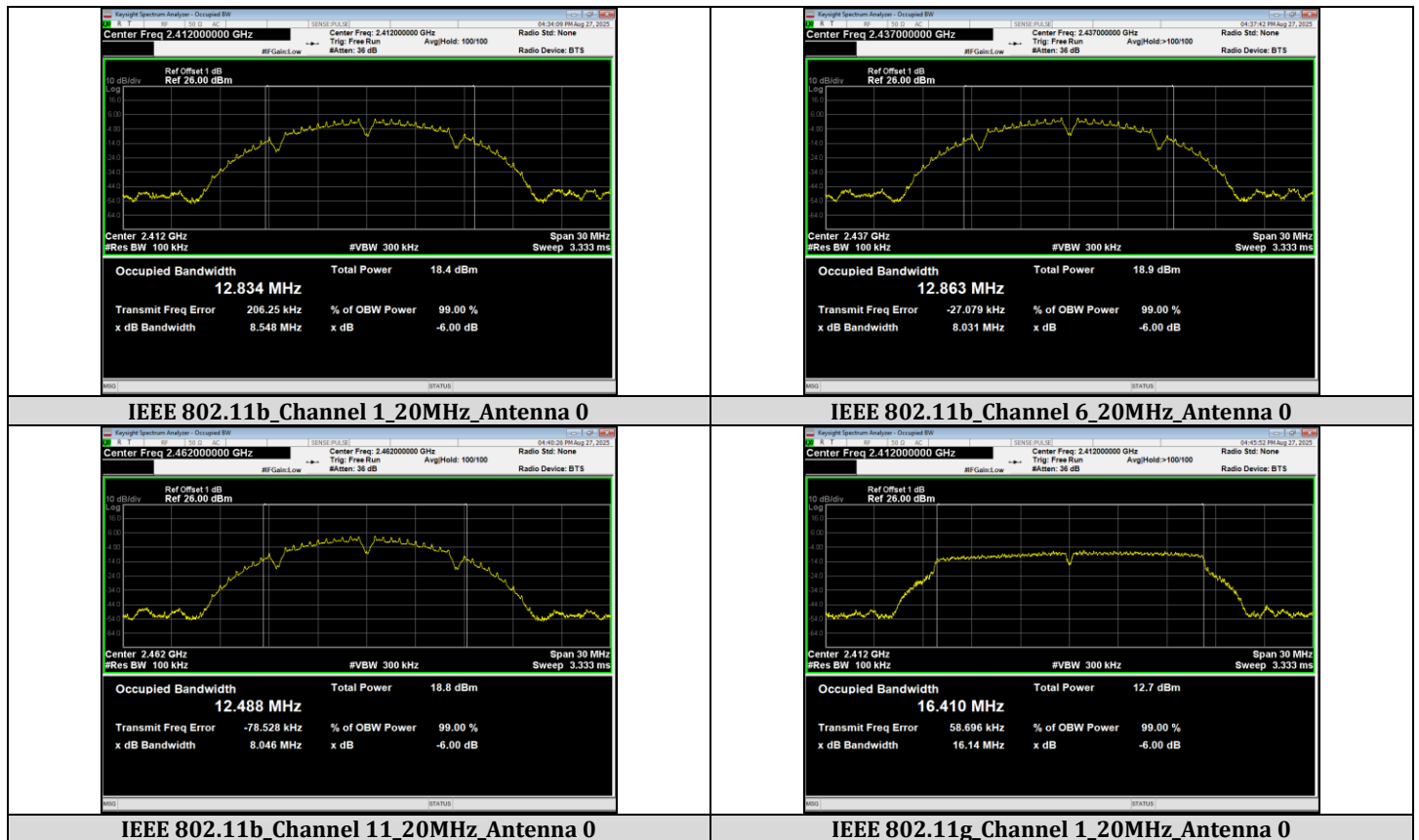
IEEE 802.11n_Channel 9_40MHz_Antenna 0

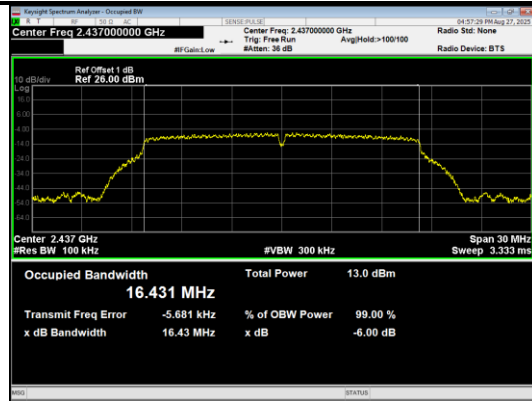
6dB Bandwidth

Test Result

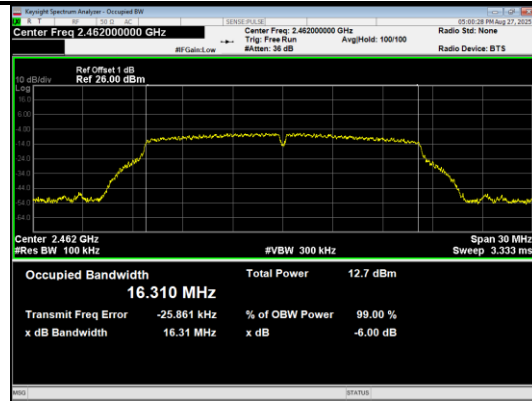
Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11b	1	0	2412	8.550	≥0.5	PASS
	6		2437	8.030		PASS
	11		2462	8.050		PASS
IEEE 802.11g	1		2412	16.14		PASS
	6		2437	16.43		PASS
	11		2462	16.31		PASS
IEEE 802.11n_20	1		2412	17.67		PASS
	6		2437	17.62		PASS
	11		2462	17.31		PASS
IEEE 802.11n_40	3		2422	30.95		PASS
	6		2437	36.40		PASS
	9		2452	34.32		PASS

Test Graphs

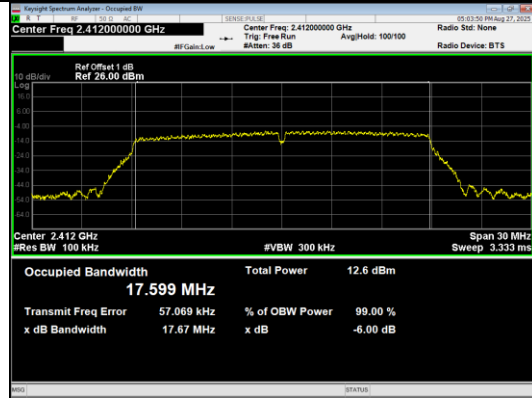




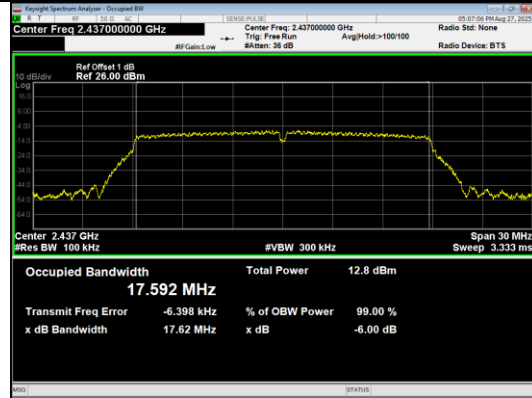
IEEE 802.11g_Channel 6_20MHz_Antenna 0



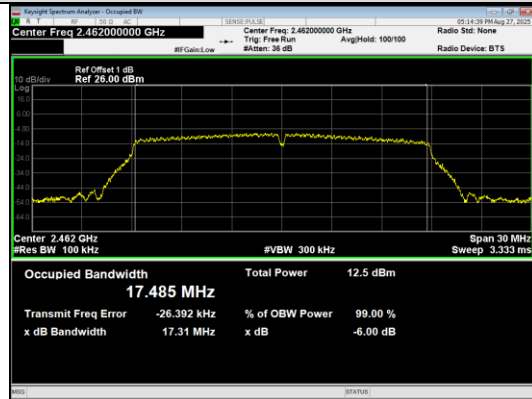
IEEE 802.11g_Channel 11_20MHz_Antenna 0



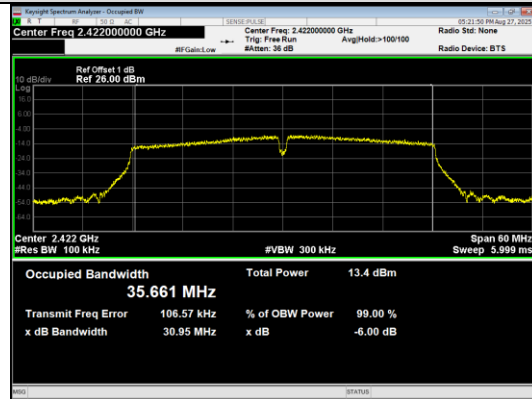
IEEE 802.11n_Channel 1_20MHz_Antenna 0



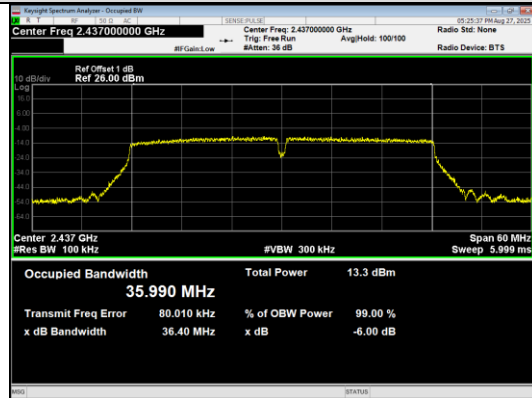
IEEE 802.11n_Channel 6_20MHz_Antenna 0



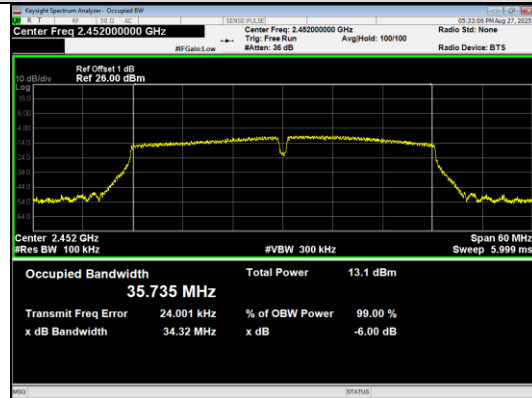
IEEE 802.11n_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 3_40MHz_Antenna 0



IEEE 802.11n_Channel 6_40MHz_Antenna 0



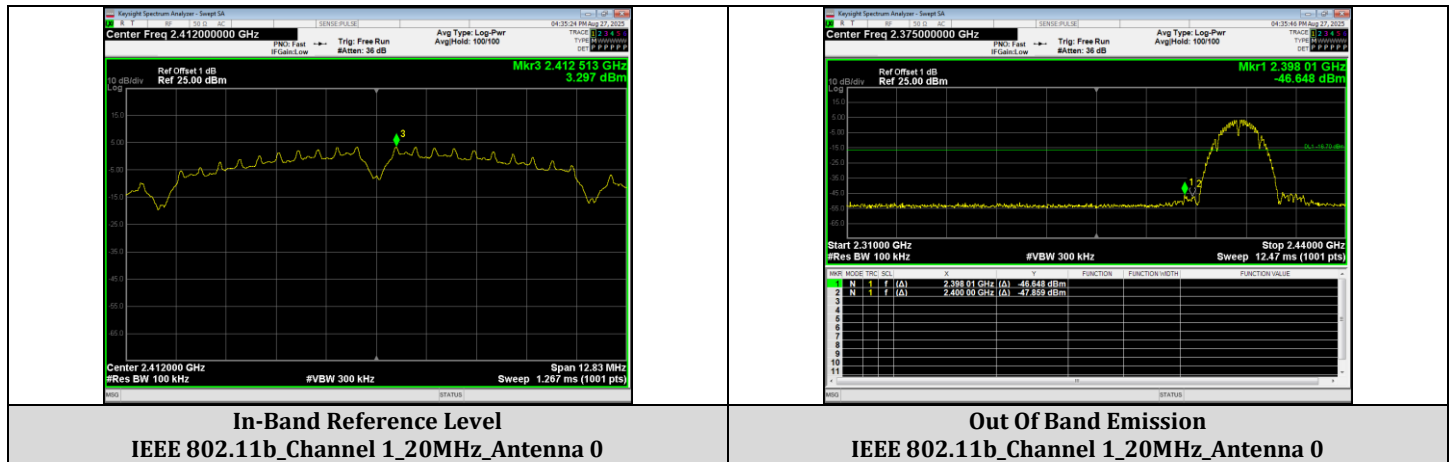
IEEE 802.11n_Channel 9_40MHz_Antenna 0

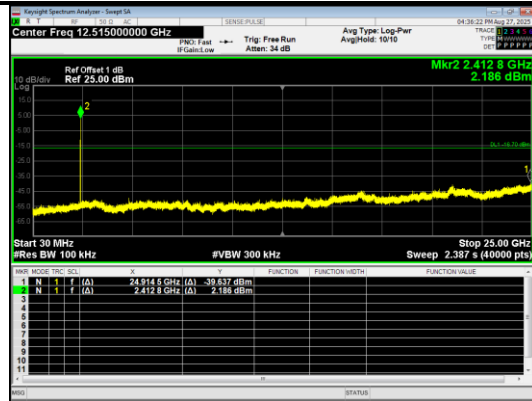
Conducted Out Of Band Emission

Test Result

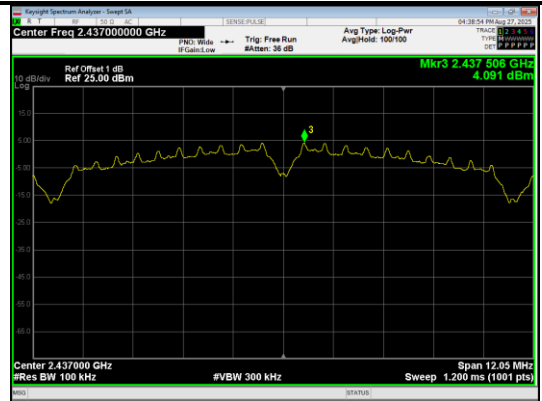
Mode	Channel	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
IEEE 802.11b	1	0	2398.01	-46.648	-16.7	-29.948	PASS
			2400.00	-47.860	-16.7	-31.160	PASS
	6		24914.5	-39.637	-16.7	-22.937	PASS
			24963.8	-39.513	-15.91	-23.603	PASS
	11		2483.50	-53.230	-15.98	-37.250	PASS
			24300.2	-40.147	-15.98	-24.167	PASS
IEEE 802.11g	1		2400.00	-48.210	-26.74	-21.470	PASS
			24956.9	-39.059	-26.74	-12.319	PASS
	6		24933.8	-40.075	-26.41	-13.665	PASS
			2483.50	-53.170	-26.27	-26.900	PASS
	11		24328.9	-39.484	-26.27	-13.214	PASS
			2400.00	-47.700	-26.89	-20.810	PASS
IEEE 802.11n_20	1		24406.9	-39.856	-26.89	-12.966	PASS
			24983.1	-39.610	-26.72	-12.890	PASS
	6		2483.50	-53.980	-26.27	-27.710	PASS
			24990.6	-39.049	-26.27	-12.779	PASS
	11		2397.62	-49.205	-28.11	-21.095	PASS
			2400.00	-52.030	-28.11	-23.920	PASS
IEEE 802.11n_40	3		24355.1	-40.044	-28.11	-11.934	PASS
			24979.4	-39.792	-29.22	-10.572	PASS
	6		2483.50	-52.430	-28.53	-23.900	PASS
			24996.3	-39.751	-28.53	-11.221	PASS
	9						

Test Graphs

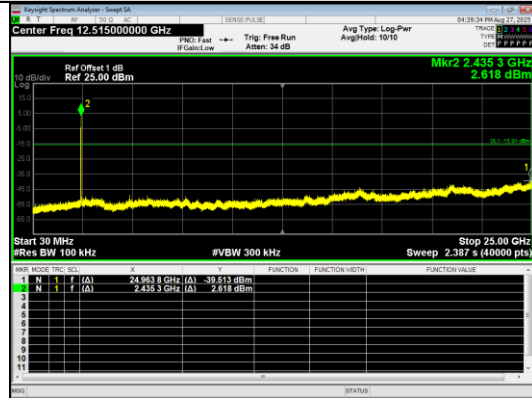




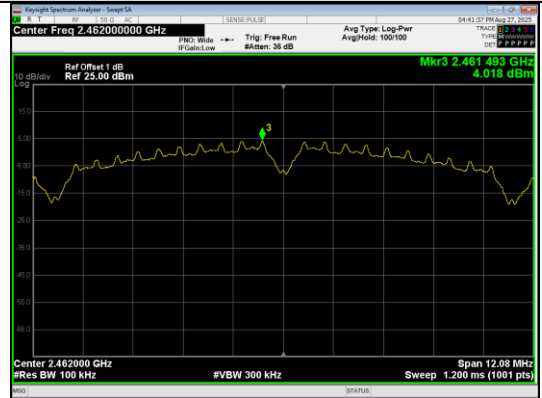
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 1_20MHz_Antenna 0



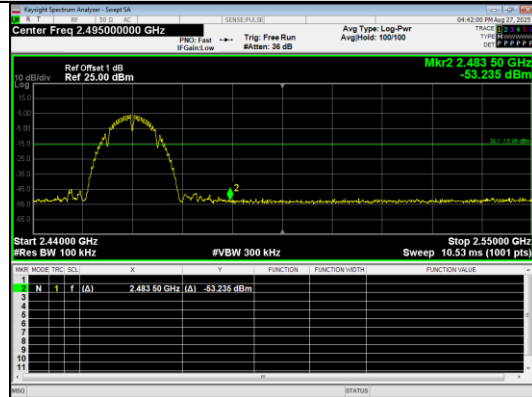
In-Band Reference Level
IEEE 802.11b_Channel 6_20MHz_Antenna 0



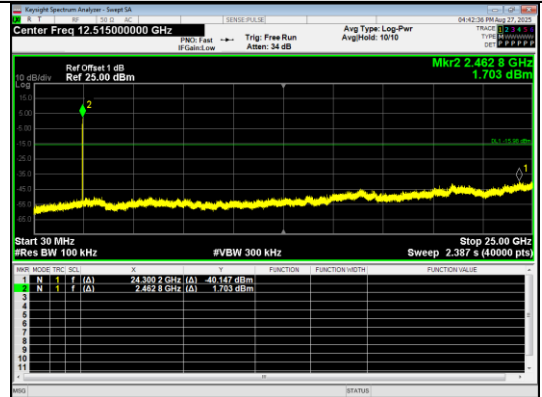
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 6_20MHz_Antenna 0



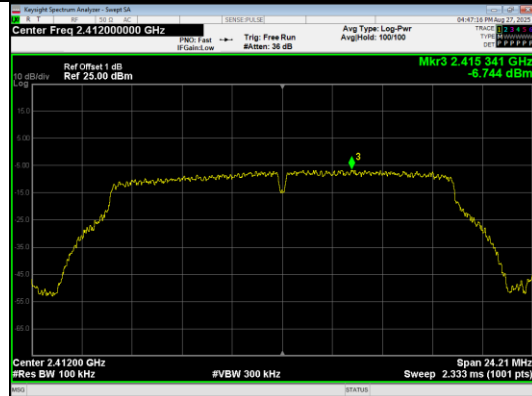
In-Band Reference Level
IEEE 802.11b_Channel 11_20MHz_Antenna 0



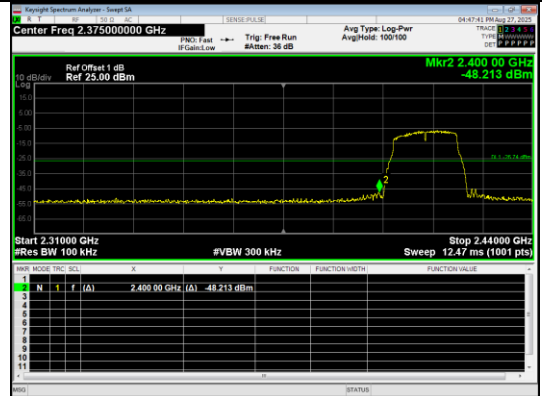
Out Of Band Emission
IEEE 802.11b_Channel 11_20MHz_Antenna 0



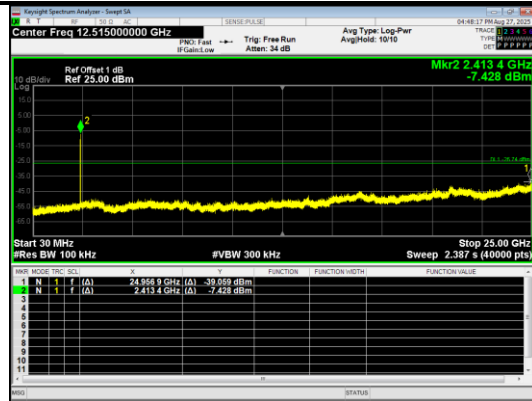
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 11_20MHz_Antenna 0



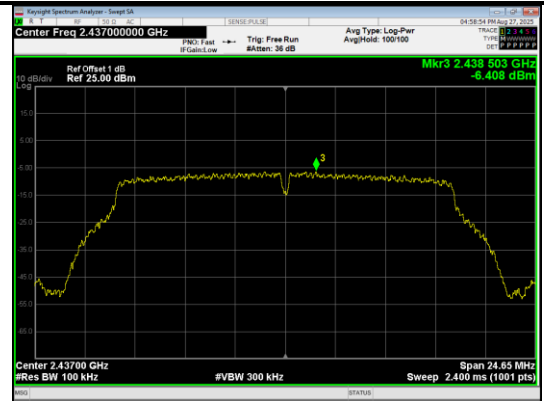
In-Band Reference Level
IEEE 802.11g_Channel 1_20MHz_Antenna 0



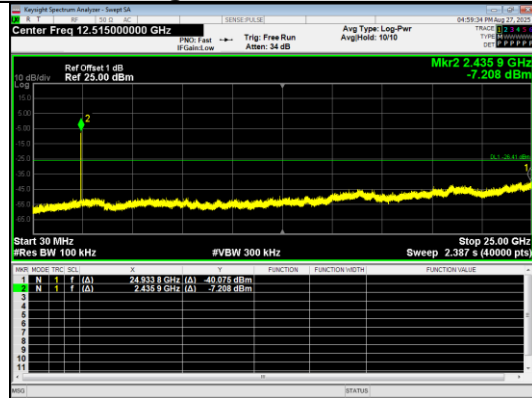
Out Of Band Emission
IEEE 802.11g_Channel 1_20MHz_Antenna 0



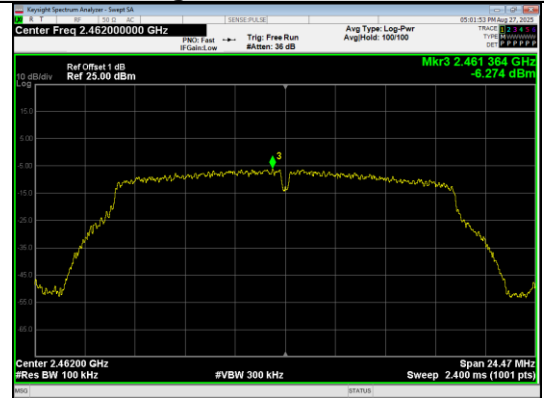
30.0 MHz - 25000.0 MHz
IEEE 802.11g_Channel 1_20MHz_Antenna 0



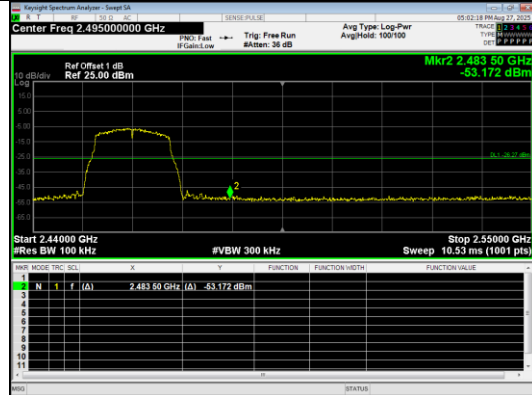
In-Band Reference Level
IEEE 802.11g_Channel 6_20MHz_Antenna 0



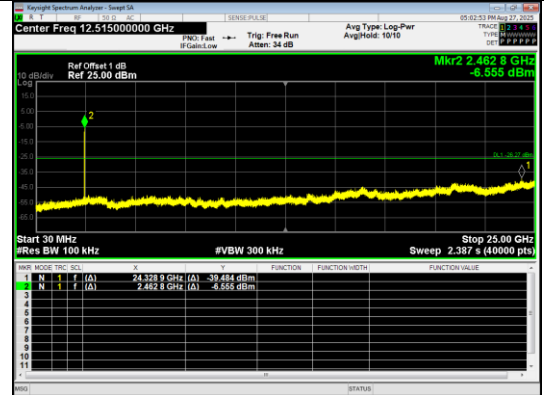
30.0 MHz - 25000.0 MHz
IEEE 802.11g_Channel 6_20MHz_Antenna 0



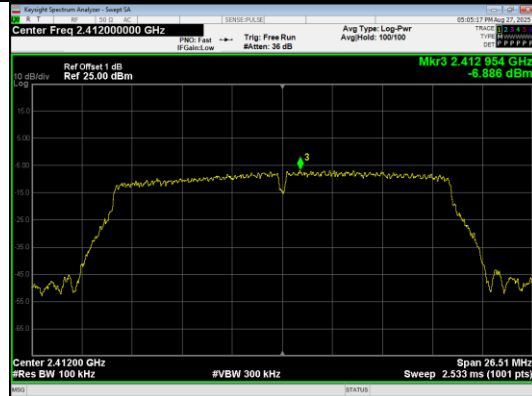
In-Band Reference Level
IEEE 802.11g_Channel 11_20MHz_Antenna 0



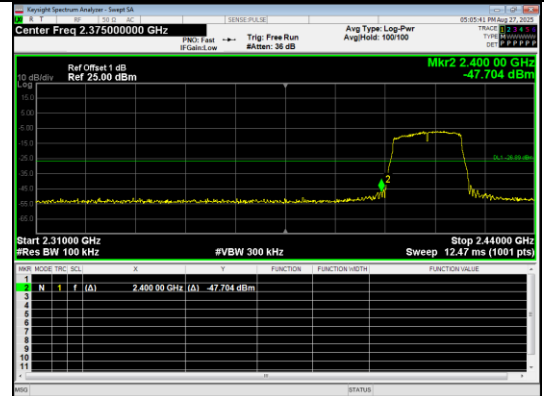
Out Of Band Emission
IEEE 802.11g_Channel 11_20MHz_Antenna 0



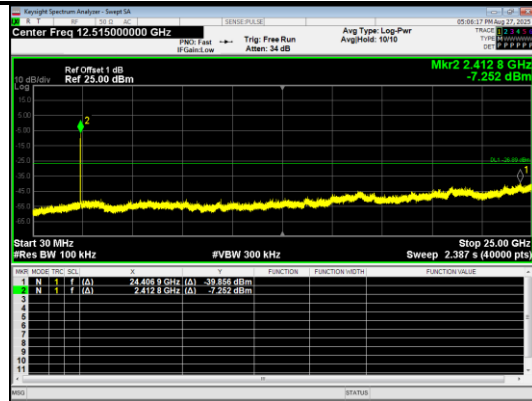
30.0 MHz - 25000.0 MHz
IEEE 802.11g_Channel 11_20MHz_Antenna 0



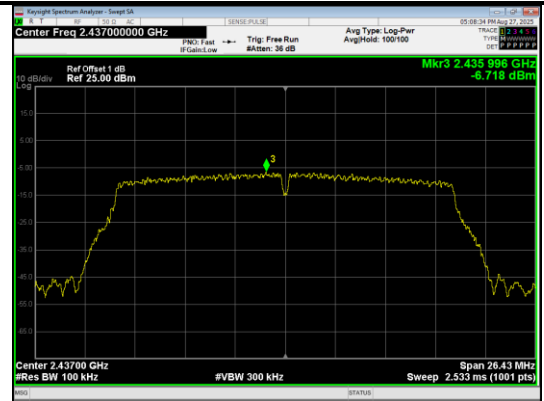
In-Band Reference Level
IEEE 802.11n_Channel 1_20MHz_Antenna 0



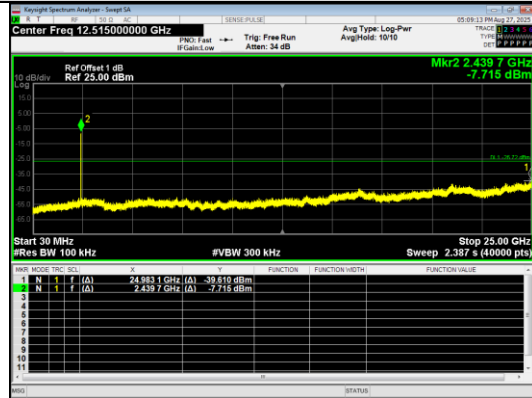
Out Of Band Emission
IEEE 802.11n_Channel 1_20MHz_Antenna 0



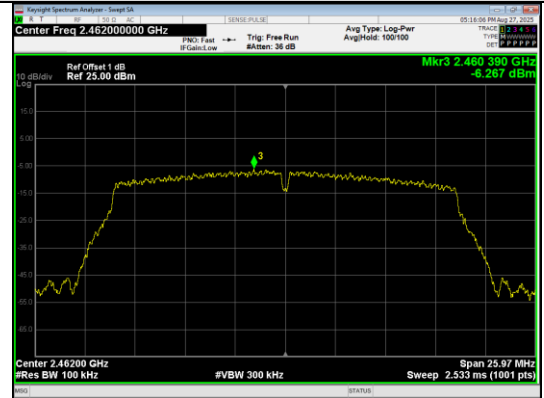
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 1_20MHz_Antenna 0



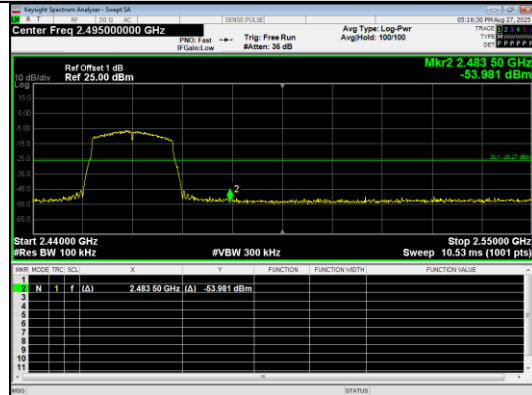
In-Band Reference Level
IEEE 802.11n_Channel 6_20MHz_Antenna 0



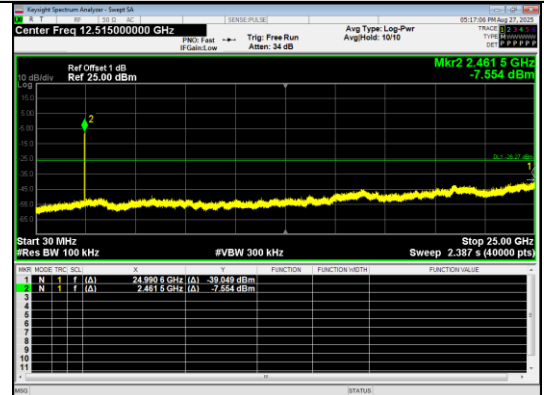
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 6_20MHz_Antenna 0



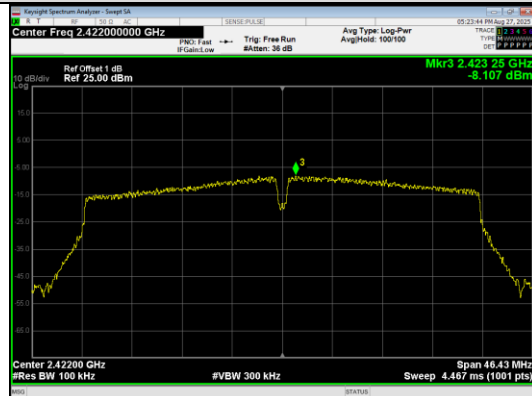
In-Band Reference Level
IEEE 802.11n_Channel 11_20MHz_Antenna 0



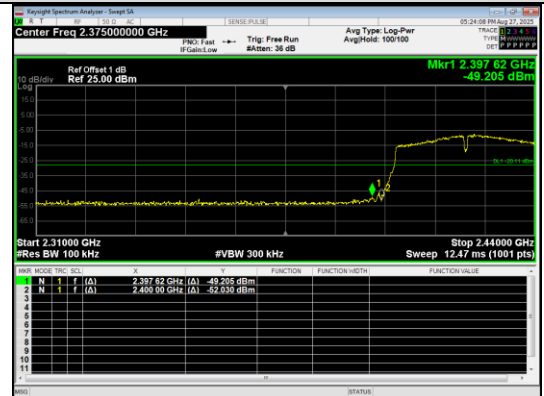
Out Of Band Emission
IEEE 802.11n_Channel 11_20MHz_Antenna 0



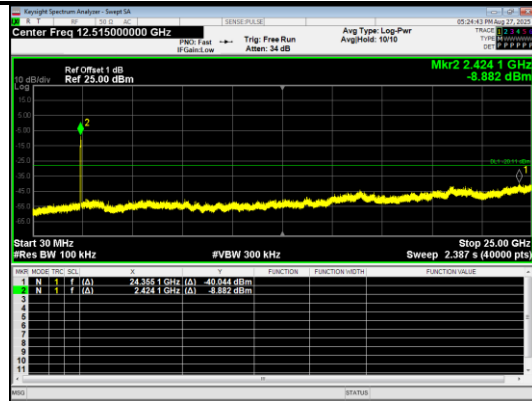
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 11_20MHz_Antenna 0



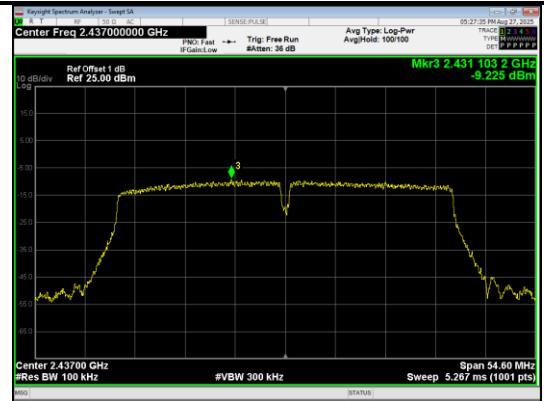
In-Band Reference Level
IEEE 802.11n_Channel 3_40MHz_Antenna 0



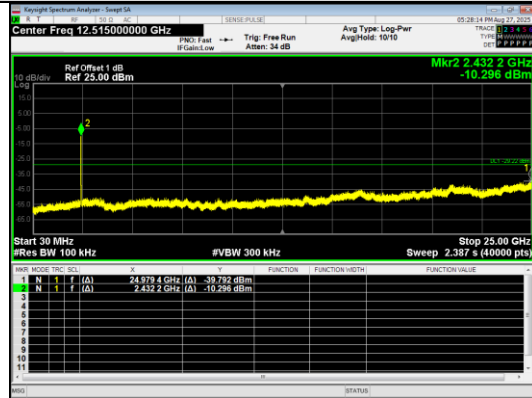
Out Of Band Emission
IEEE 802.11n_Channel 3_40MHz_Antenna 0



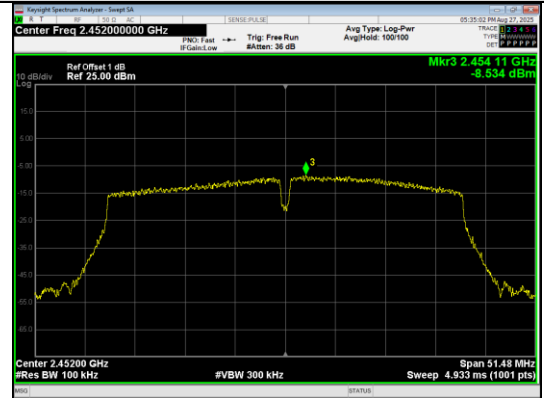
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 3_40MHz_Antenna 0



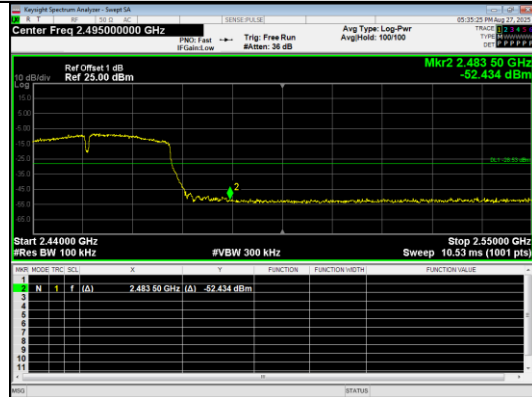
In-Band Reference Level
IEEE 802.11n_Channel 6_40MHz_Antenna 0



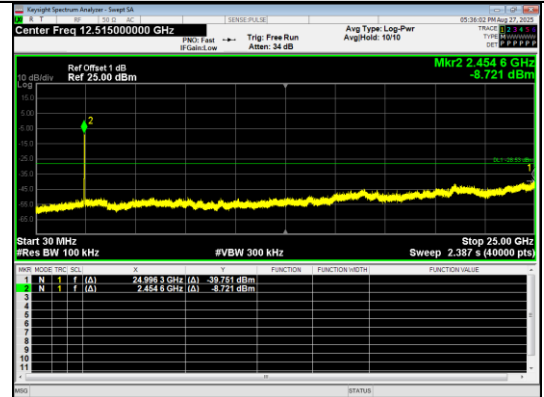
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 6_40MHz_Antenna 0



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 *****