

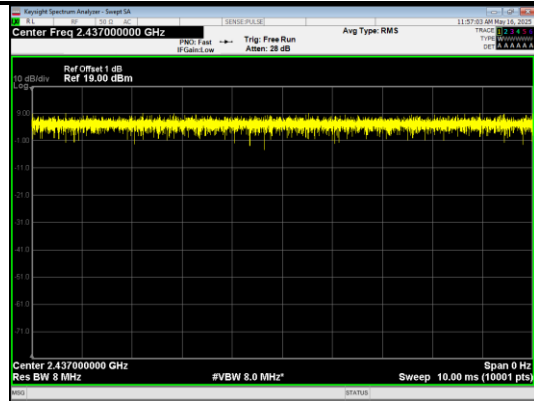
Duty Cycle

Test Result

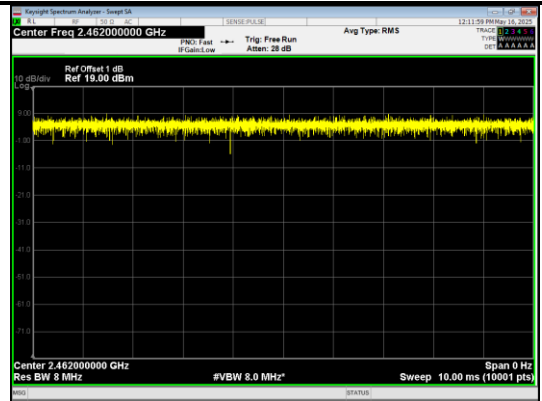
Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11b	1	1	0	32.000	32.000	100	1	0.0	0.0312
		6		32.000	32.000	100	1	0.0	0.0312
		11		32.000	32.000	100	1	0.0	0.0312
IEEE 802.11g		1		10.000	10.000	100	1	0.0	0.1000
		6		10.000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

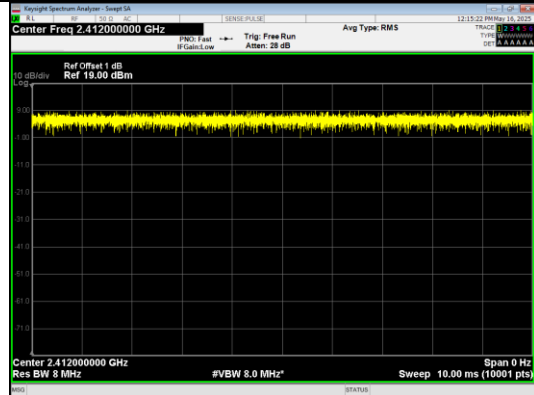




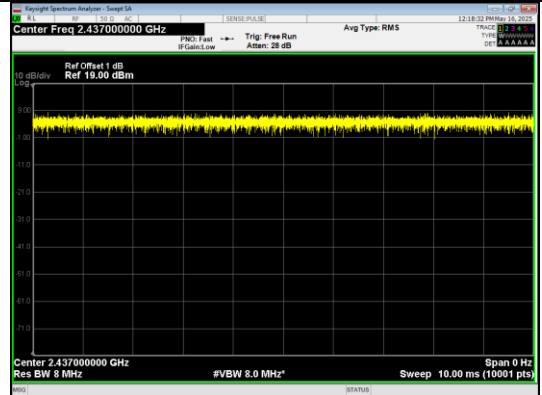
IEEE 802.11g 20MHz_Channel 6



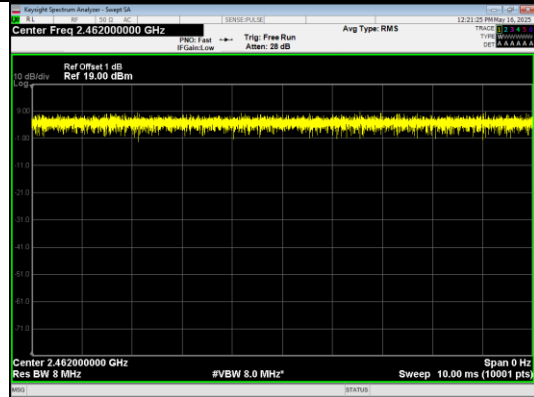
IEEE 802.11g 20MHz_Channel 11



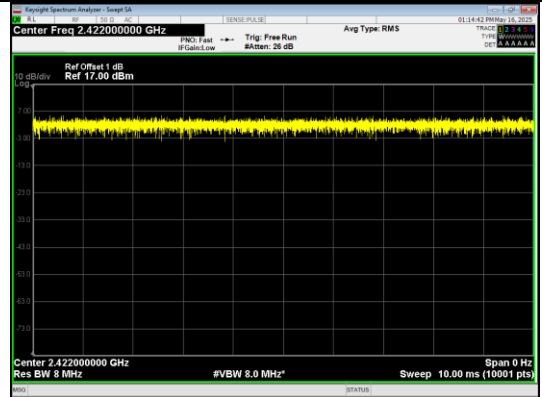
IEEE 802.11n 20MHz_Channel 1



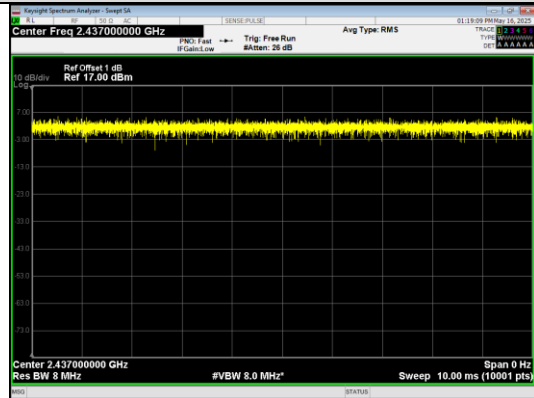
IEEE 802.11n 20MHz_Channel 6



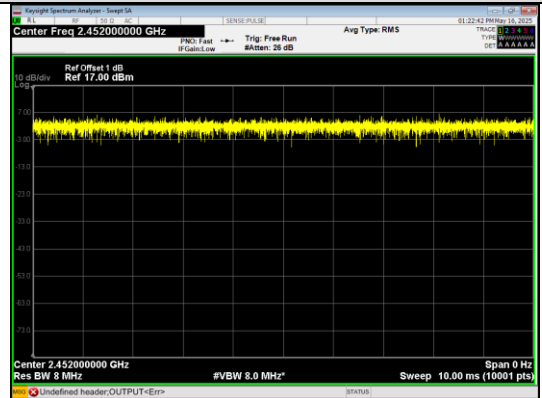
IEEE 802.11n 20MHz_Channel 11



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	12.63	≤30	PASS
	6	14.08	≤30	PASS
	11	12.54	≤30	PASS
IEEE 802.11g	1	15.84	≤30	PASS
	6	15.17	≤30	PASS
	11	14.92	≤30	PASS
IEEE 802.11n_20	1	15.52	≤30	PASS
	6	14.72	≤30	PASS
	11	14.77	≤30	PASS
IEEE 802.11n_40	3	15.21	≤30	PASS
	6	14.86	≤30	PASS
	9	15.20	≤30	PASS

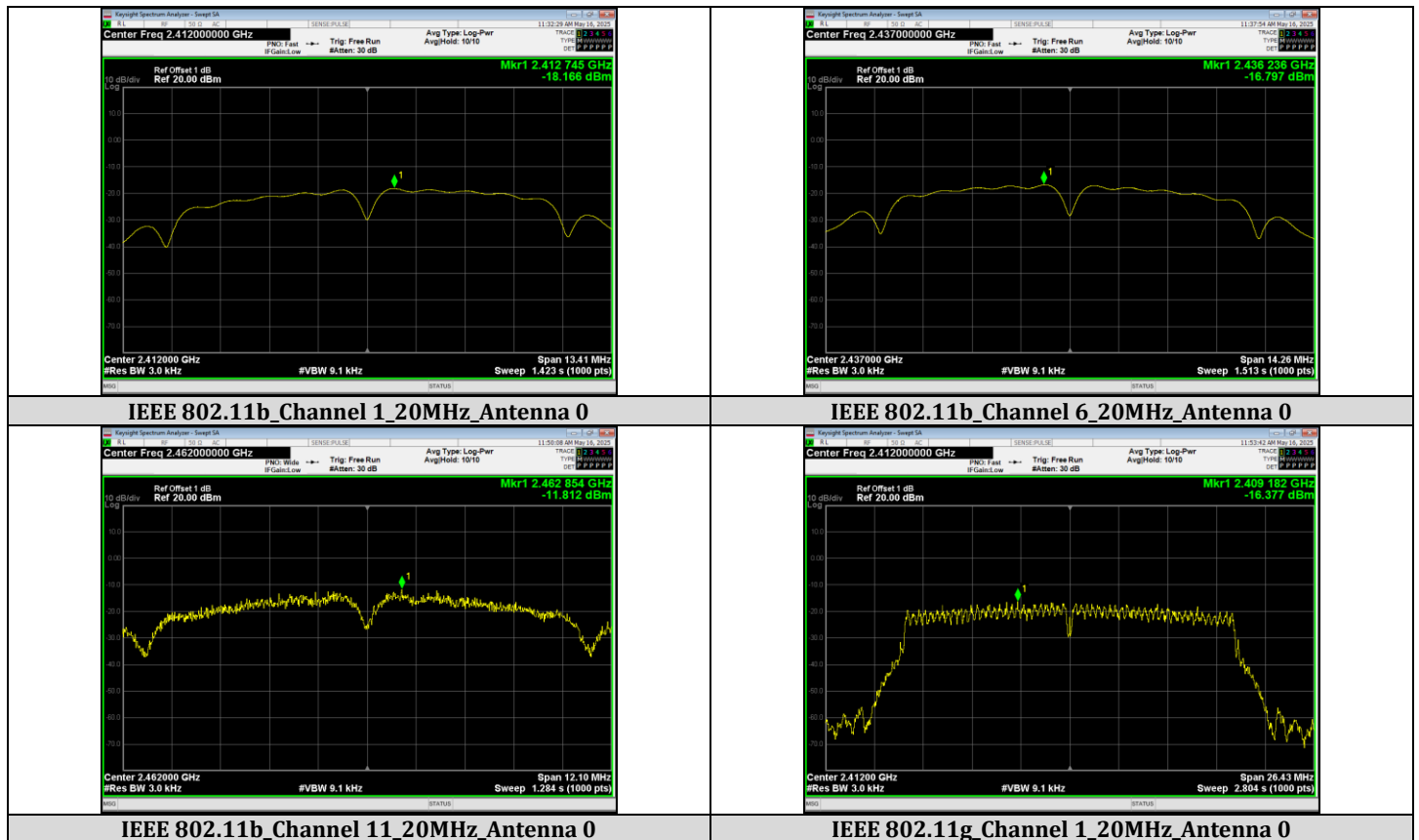


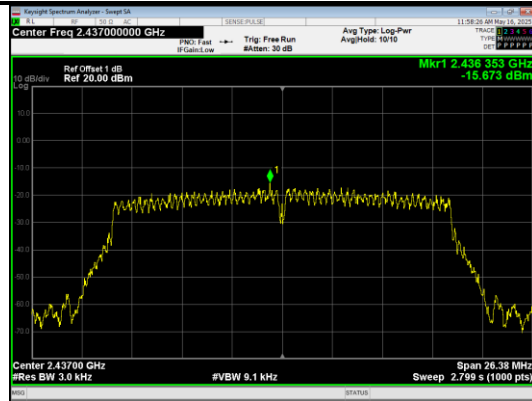
Power Spectral Density

Test Result

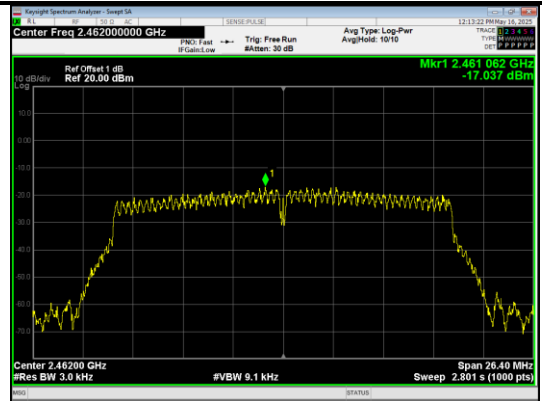
Mode	Channel	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
IEEE 802.11b	1	-18.166	≤8	PASS
	6	-16.797		PASS
	11	-11.812		PASS
IEEE 802.11g	1	-16.377		PASS
	6	-15.673		PASS
	11	-17.037		PASS
IEEE 802.11n_20	1	-16.812		PASS
	6	-16.560		PASS
	11	-16.700		PASS
IEEE 802.11n_40	3	-19.162		PASS
	6	-19.291		PASS
	9	-19.539		PASS

Test Graphs

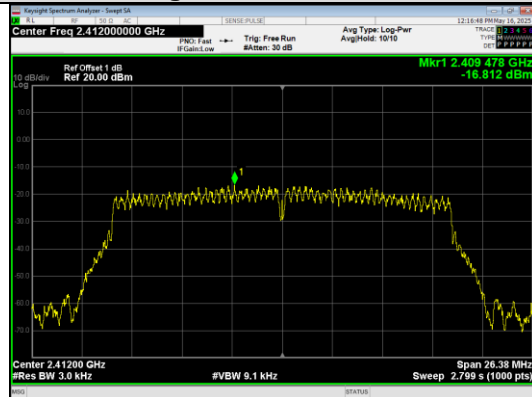




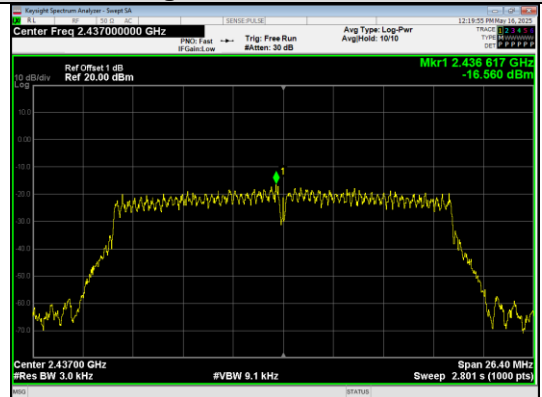
IEEE 802.11g_Channel 6_20MHz_Antenna 0



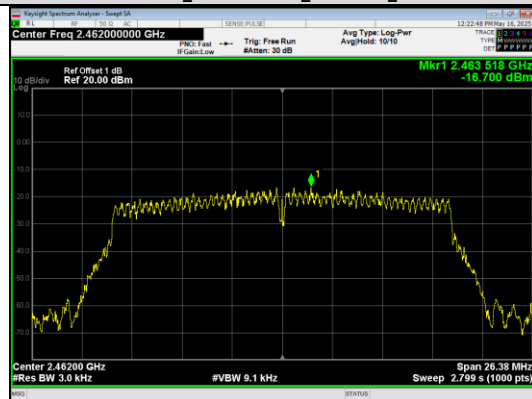
IEEE 802.11g_Channel 11_20MHz_Antenna 0



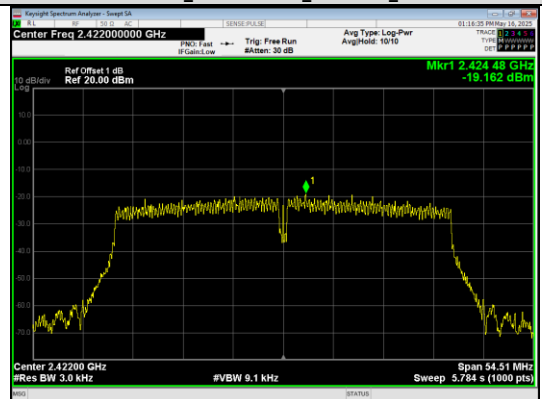
IEEE 802.11g_Channel 1_20MHz_Antenna 0



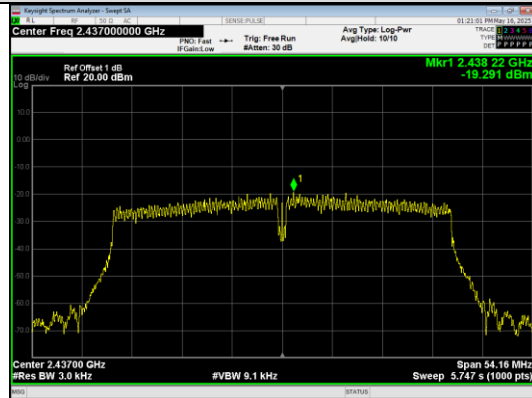
IEEE 802.11g_Channel 6_20MHz_Antenna 0



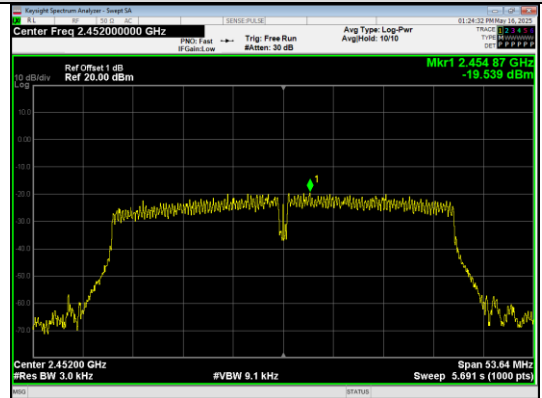
IEEE 802.11n_Channel 1_20MHz_Antenna 0



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

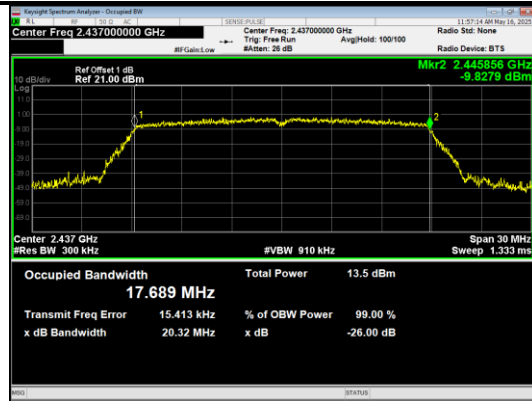


IEEE 802.11n_Channel 9_40MHz_Antenna 0

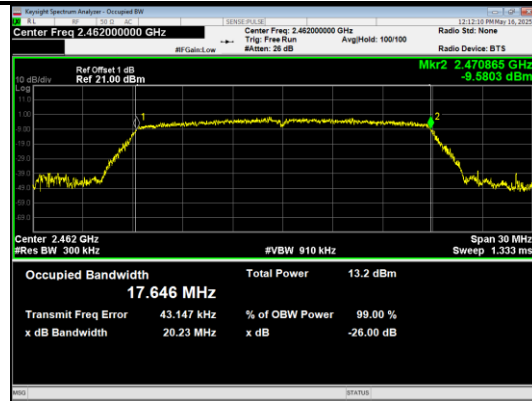
**99% Bandwidth****Test Result**

Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11b	1	0	2412	12.263
	6		2437	12.527
	11		2462	12.654
IEEE 802.11g	1		2412	17.645
	6		2437	17.689
	11		2462	17.646
IEEE 802.11n_20	1		2412	17.643
	6		2437	17.685
	11		2462	17.628
IEEE 802.11n_40	3		2422	36.095
	6		2437	36.047
	9		2452	35.995

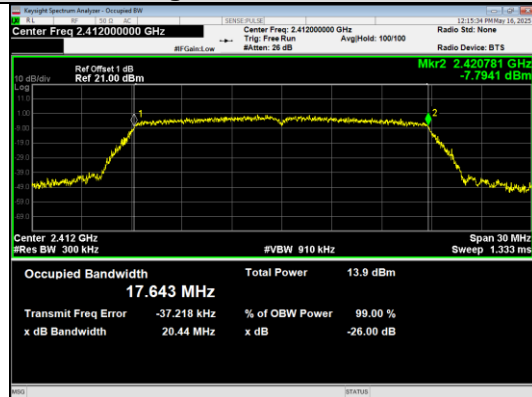
Test Graphs



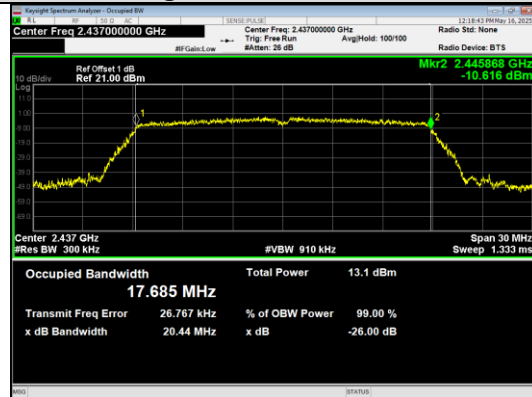
IEEE 802.11g_Channel 6_20MHz_Antenna 0



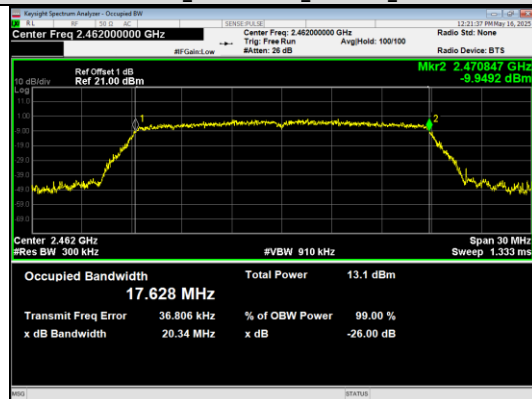
IEEE 802.11g_Channel 11_20MHz_Antenna 0



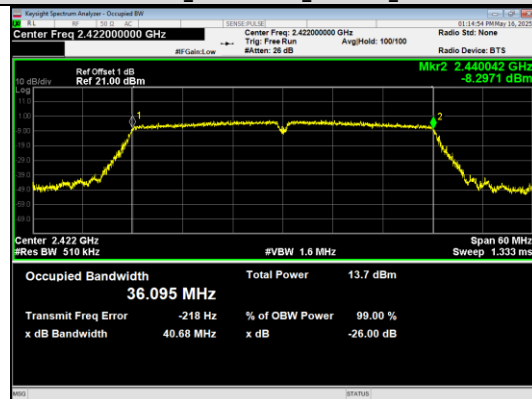
IEEE 802.11n_Channel 1_20MHz_Antenna 0



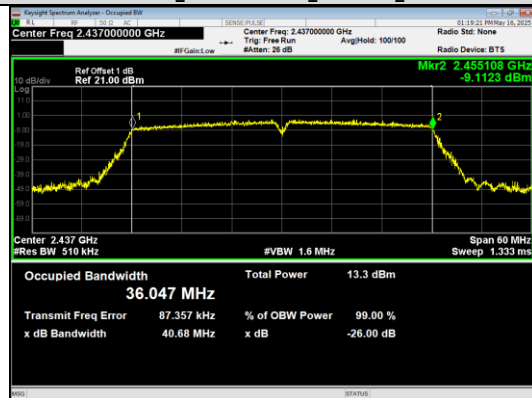
IEEE 802.11n_Channel 6_20MHz_Antenna 0



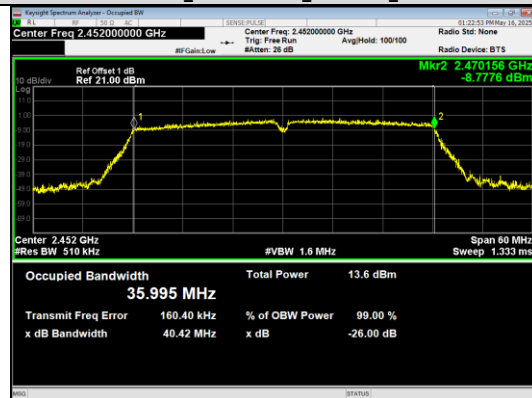
IEEE 802.11n_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 3_40MHz_Antenna 0



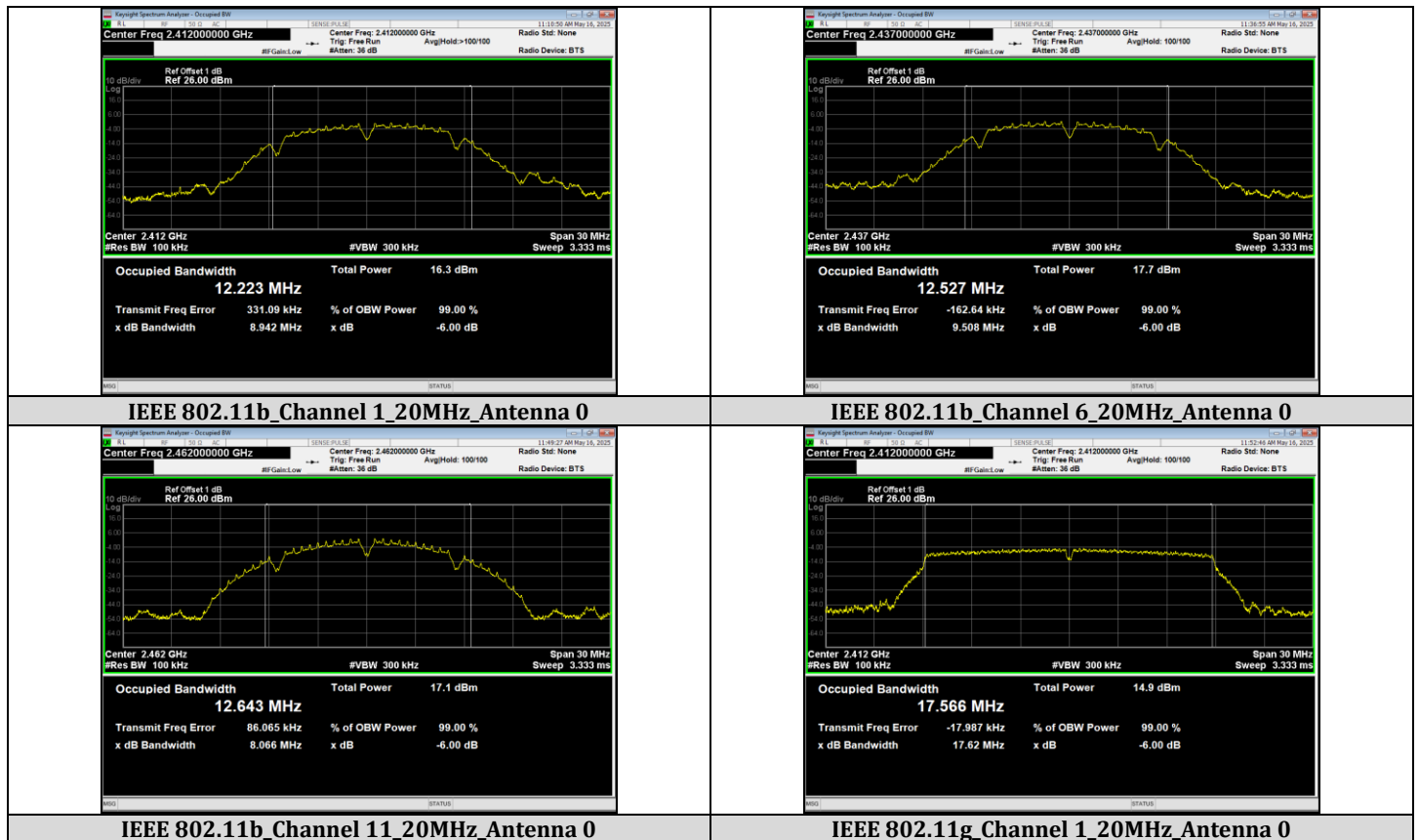
IEEE 802.11n_Channel 6_40MHz_Antenna 0

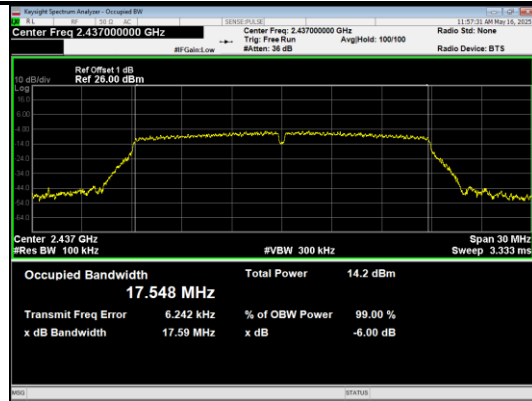


IEEE 802.11n_Channel 9_40MHz_Antenna 0

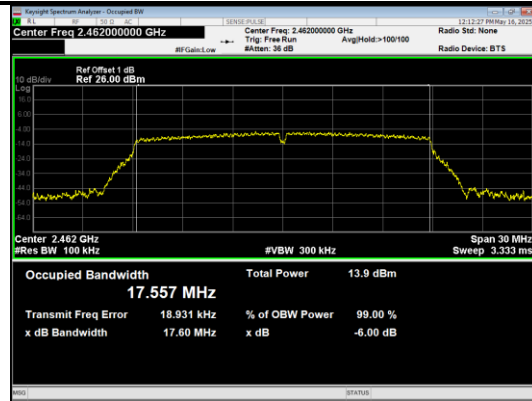
**6dB Bandwidth****Test Result**

Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11b	1	0	2412	8.942	≥0.5	PASS
	6		2437	9.508		PASS
	11		2462	8.066		PASS
IEEE 802.11g	1		2412	17.62		PASS
	6		2437	17.59		PASS
	11		2462	17.60		PASS
IEEE 802.11n_20	1		2412	17.59		PASS
	6		2437	17.60		PASS
	11		2462	17.59		PASS
IEEE 802.11n_40	3		2422	36.34		PASS
	6		2437	36.11		PASS
	9		2452	35.76		PASS

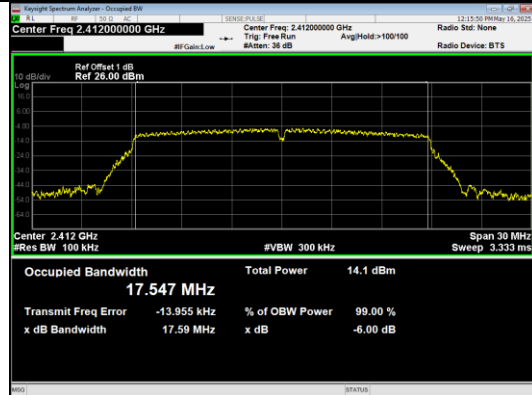
Test Graphs



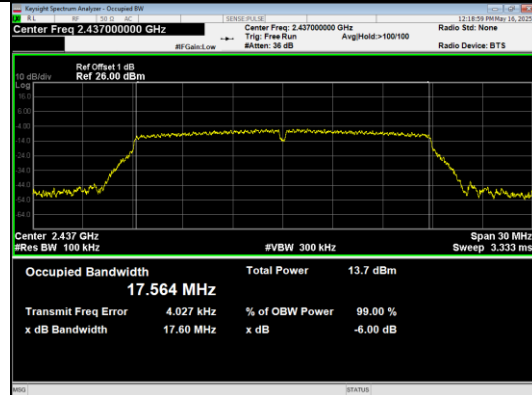
IEEE 802.11g_Channel 6_20MHz_Antenna 0



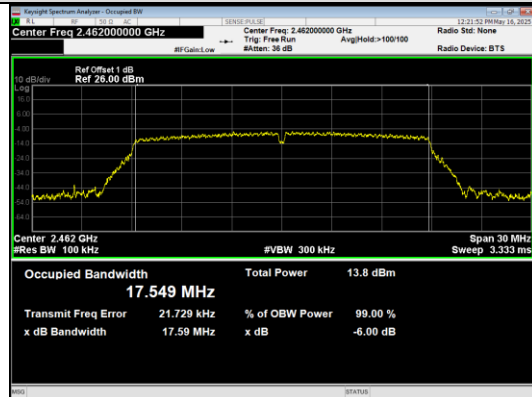
IEEE 802.11g_Channel 11_20MHz_Antenna 0



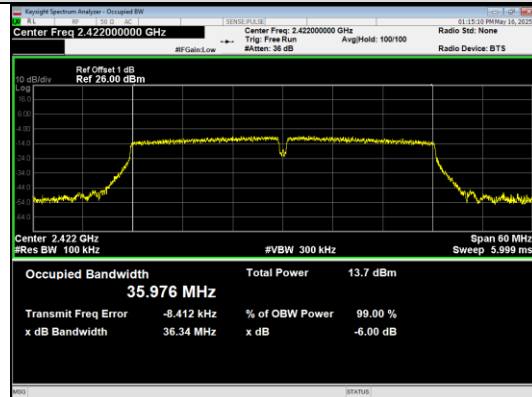
IEEE 802.11n_Channel 1_20MHz_Antenna 0



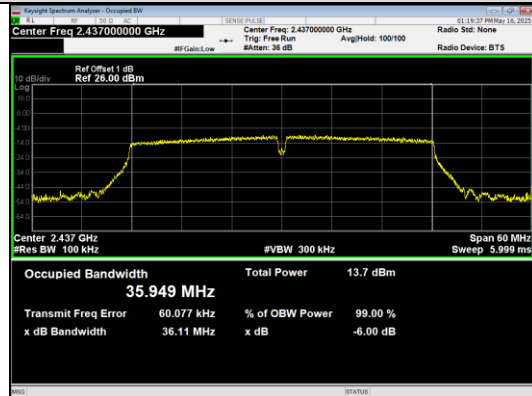
IEEE 802.11n_Channel 6_20MHz_Antenna 0



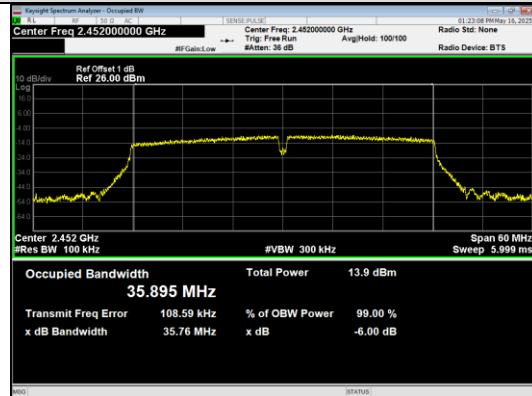
IEEE 802.11n_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 3_40MHz_Antenna 0



IEEE 802.11n_Channel 6_40MHz_Antenna 0



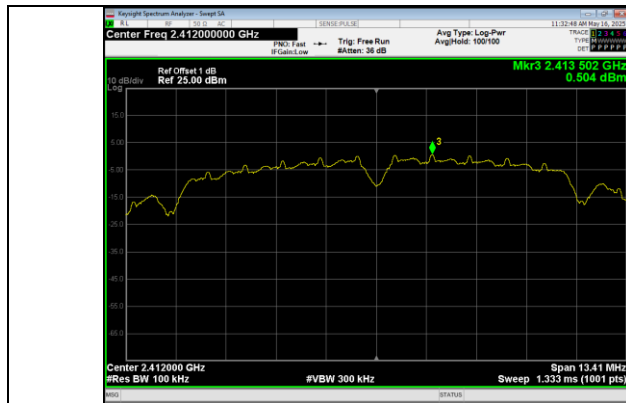
IEEE 802.11n_Channel 9_40MHz_Antenna 0

Conducted Out Of Band Emission

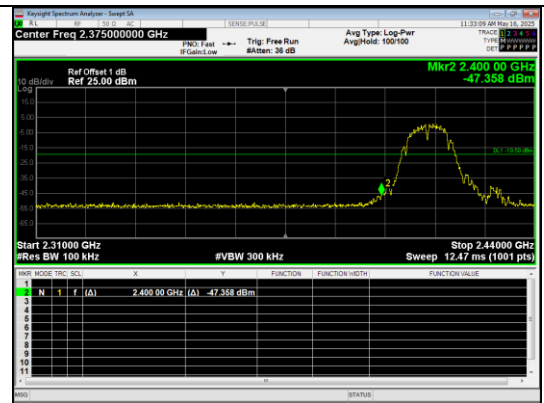
Test Result

Mode	Channel	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	
IEEE 802.11b	1	0	1752.35	-30.584	-19.5	-11.084	PASS	
			2400.00	-47.358	-19.5	-27.858	PASS	
	6		24766.5	-40.009	-18.15	-21.859	PASS	
	11		2483.50	-53.483	-17.98	-35.503	PASS	
			24735.3	-40.325	-17.98	-22.345	PASS	
IEEE 802.11g	1		2398.79	-44.323	-24.62	-19.703	PASS	
			2400.00	-44.684	-24.62	-20.064	PASS	
	6		24996.9	-40.287	-24.62	-15.667	PASS	
			24953.2	-40.092	-25.14	-14.952	PASS	
	11		1746.73	-27.399	-25.51	-1.889	PASS	
			2483.50	-51.238	-25.51	-25.728	PASS	
IEEE 802.11n_20	1		2398.79	-44.678	-24.98	-19.698	PASS	
			2400.00	-44.678	-24.98	-19.698	PASS	
	6		24906.4	-39.687	-24.98	-14.707	PASS	
			24989.4	-40.024	-25.49	-14.534	PASS	
	11		1751.72	-35.814	-25.56	-10.254	PASS	
			2483.50	-51.921	-25.56	-26.361	PASS	
IEEE 802.11n_40	3		1752.30	-32.633	-27.94	-4.693	PASS	
			2397.62	-46.179	-27.94	-18.239	PASS	
			2400.00	-49.665	-27.94	-21.725	PASS	
	6		24951.9	-39.794	-28.53	-11.264	PASS	
			9	2483.50	-50.947	-28.14	-22.807	PASS
				24962.5	-39.926	-28.14	-11.786	PASS

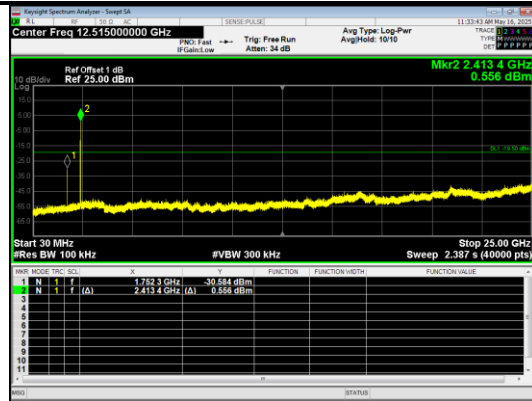
Test Graphs



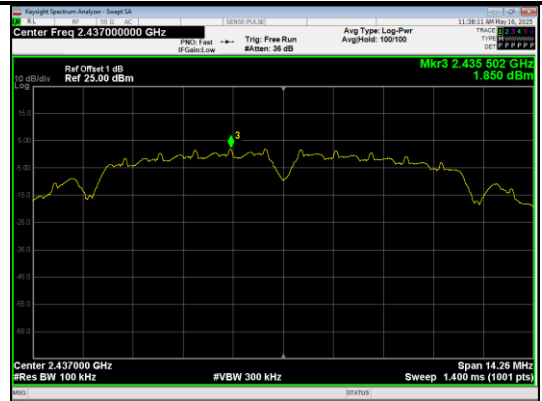
In-Band Reference Level
IEEE 802.11b_Channel 1_20MHz_Antenna 0



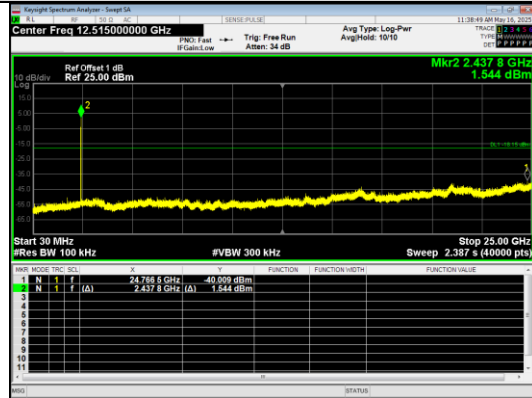
Out Of Band Emission
IEEE 802.11b_Channel 1_20MHz_Antenna 0



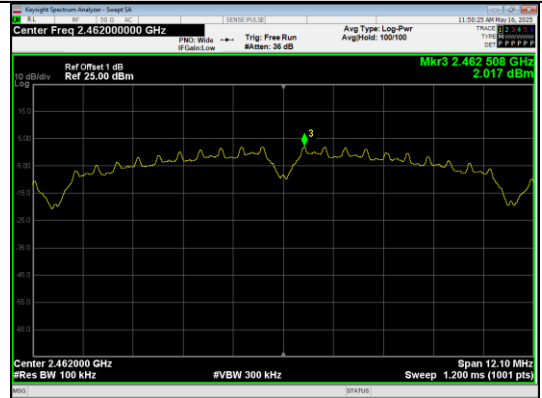
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 1_20MHz_Antenna 0



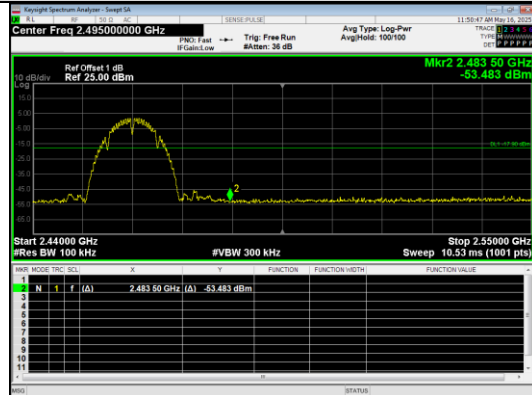
In-Band Reference Level
IEEE 802.11b_Channel 6_20MHz_Antenna 0



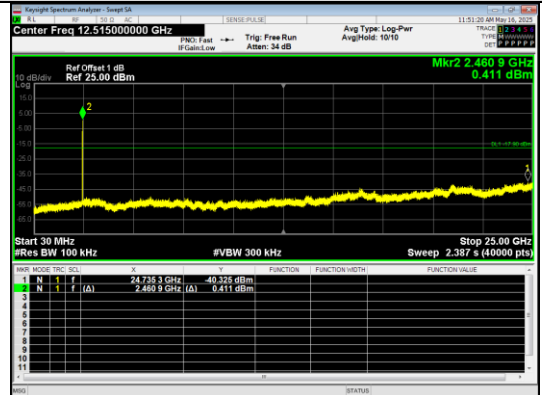
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 6_20MHz_Antenna 0



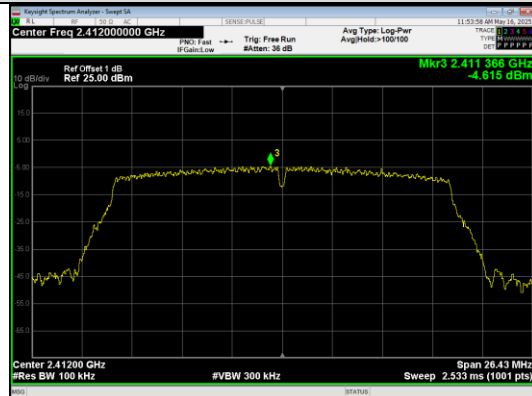
In-Band Reference Level
IEEE 802.11b_Channel 11_20MHz_Antenna 0



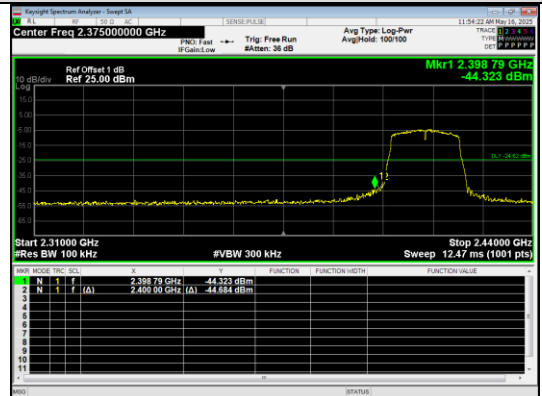
Out Of Band Emission
IEEE 802.11b_Channel 11_20MHz_Antenna 0



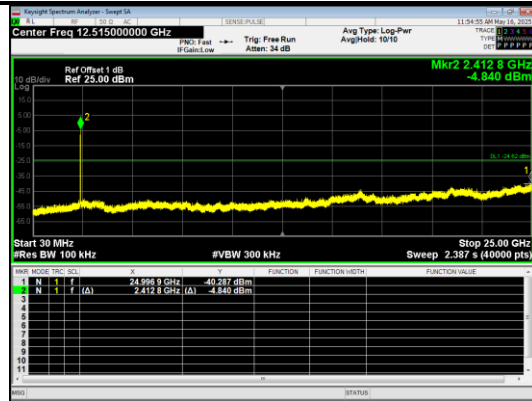
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 11_20MHz_Antenna 0



In-Band Reference Level
IEEE 802.11g_Channel 1_20MHz_Antenna 0

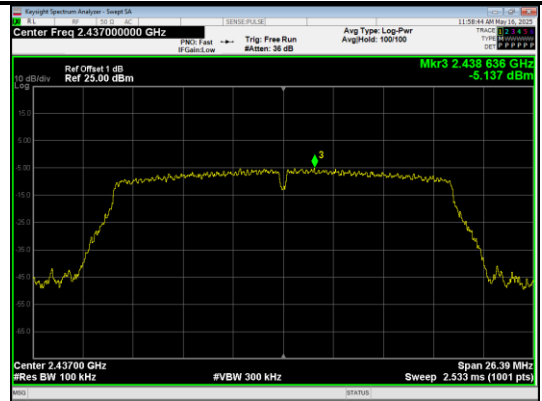


Out Of Band Emission
IEEE 802.11g_Channel 1_20MHz_Antenna 0



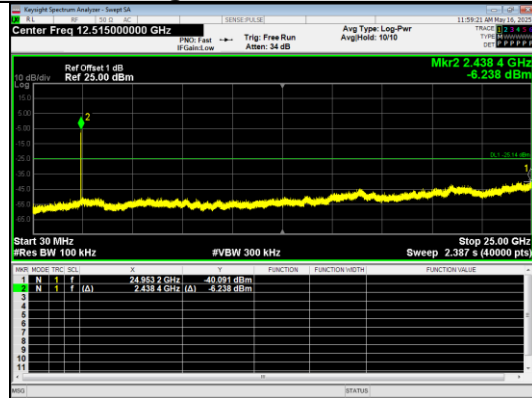
30.0 MHz - 25000.0 MHz

IEEE 802.11g_Channel 1_20MHz_Antenna 0



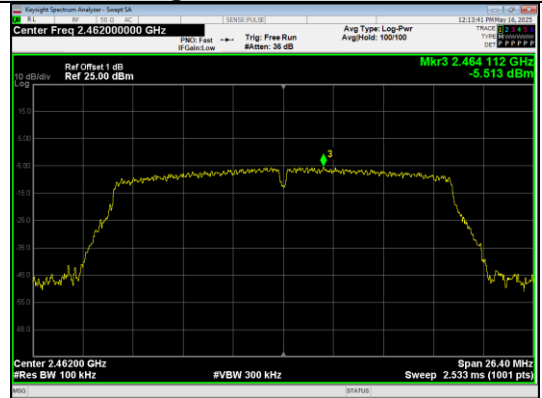
In-Band Reference Level

IEEE 802.11g_Channel 6_20MHz_Antenna 0



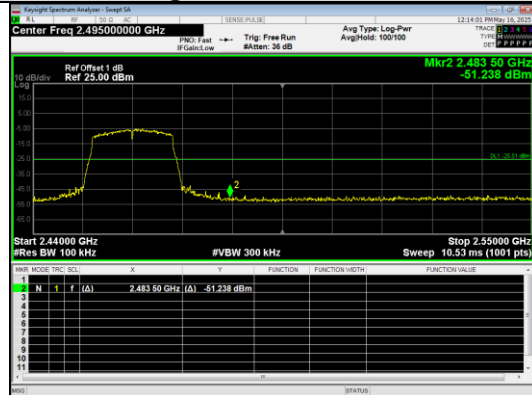
30.0 MHz - 25000.0 MHz

IEEE 802.11g_Channel 6_20MHz_Antenna 0



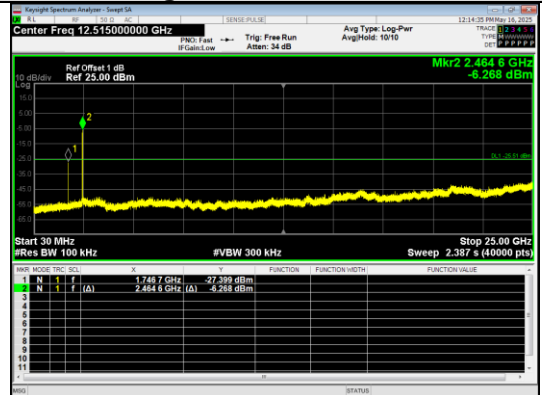
In-Band Reference Level

IEEE 802.11g_Channel 11_20MHz_Antenna 0



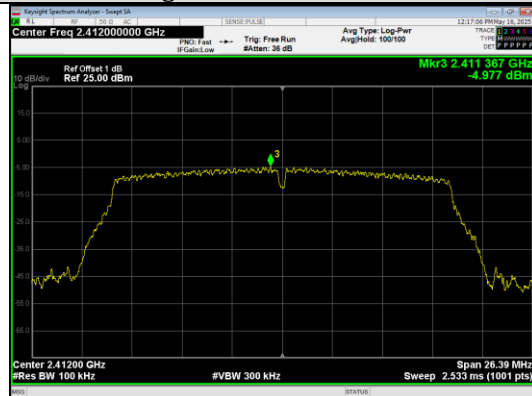
Out Of Band Emission

IEEE 802.11g_Channel 11_20MHz_Antenna 0



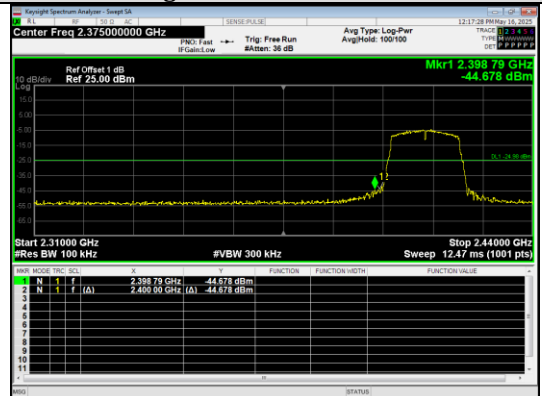
30.0 MHz - 25000.0 MHz

IEEE 802.11g_Channel 11_20MHz_Antenna 0



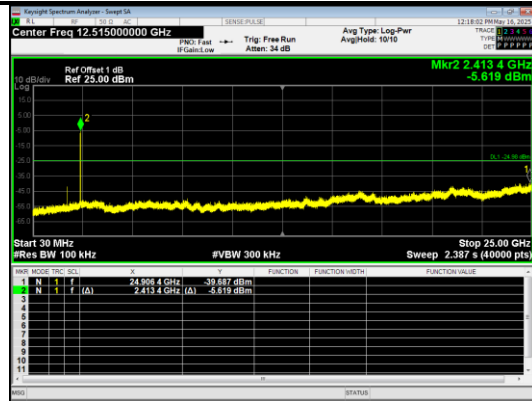
In-Band Reference Level

IEEE 802.11n_Channel 1_20MHz_Antenna 0

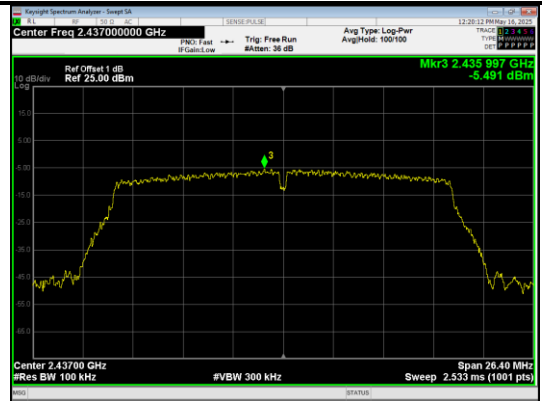


Out Of Band Emission

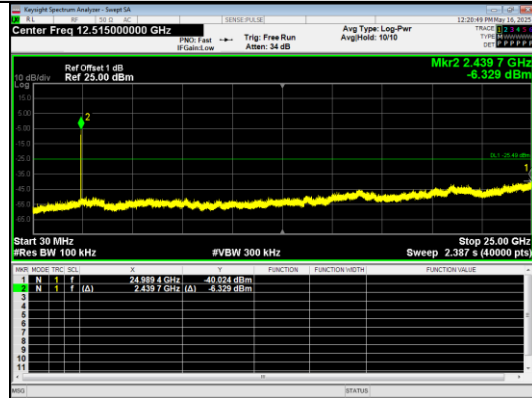
IEEE 802.11n_Channel 1_20MHz_Antenna 0



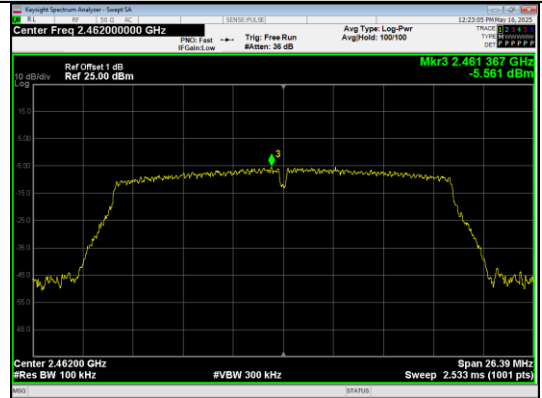
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 1_20MHz_Antenna 0



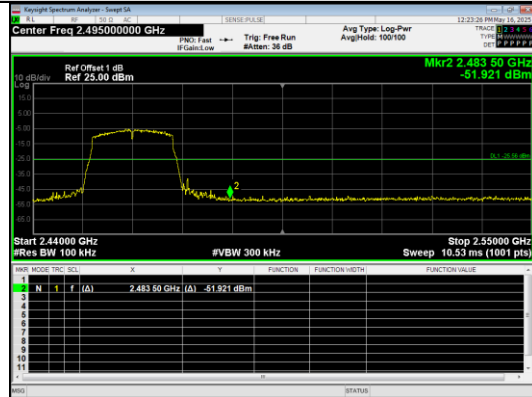
In-Band Reference Level
IEEE 802.11n_Channel 6_20MHz_Antenna 0



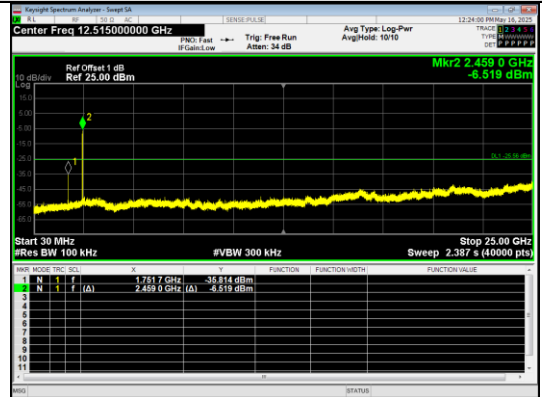
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 6_20MHz_Antenna 0



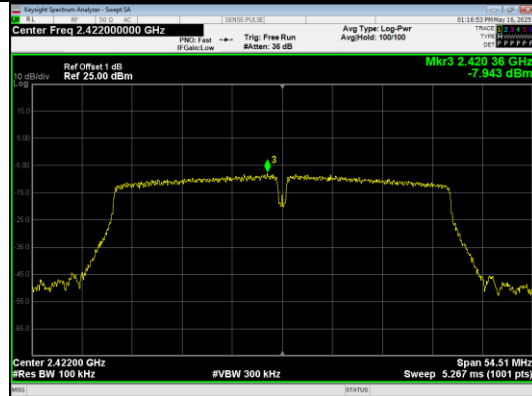
In-Band Reference Level
IEEE 802.11n_Channel 11_20MHz_Antenna 0



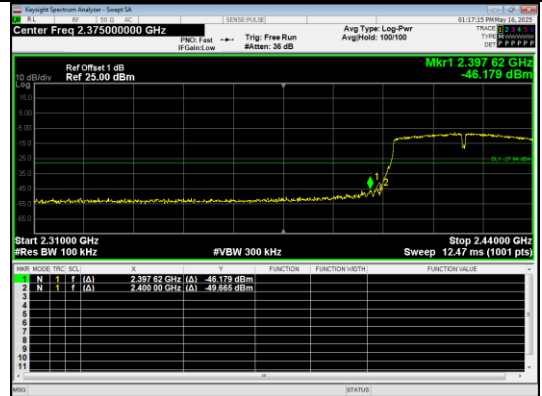
Out Of Band Emission
IEEE 802.11n_Channel 11_20MHz_Antenna 0



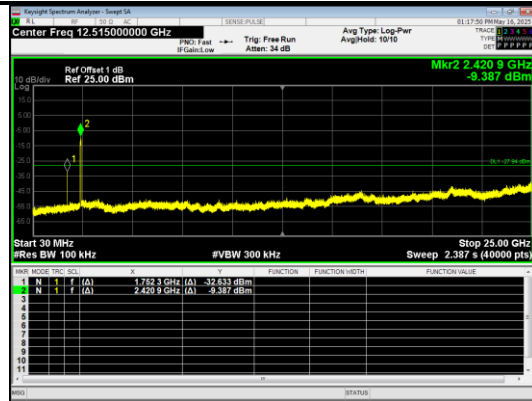
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 11_20MHz_Antenna 0



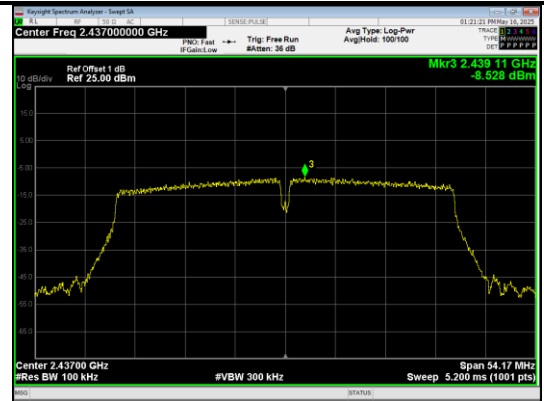
In-Band Reference Level
IEEE 802.11n_Channel 3_40MHz_Antenna 0



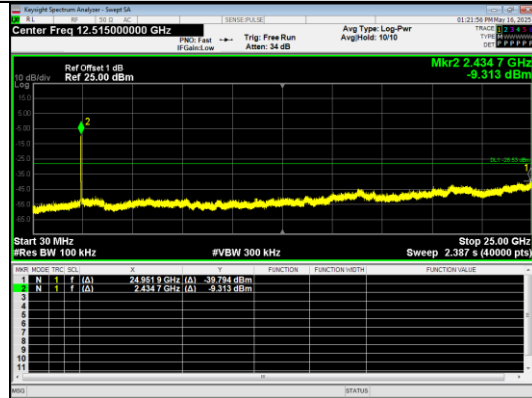
Out Of Band Emission
IEEE 802.11n_Channel 3_40MHz_Antenna 0



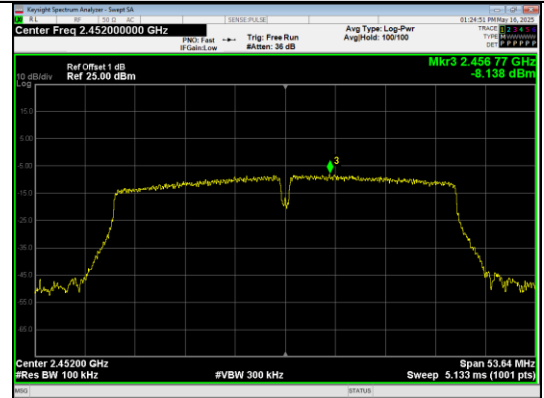
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 3_40MHz_Antenna 0



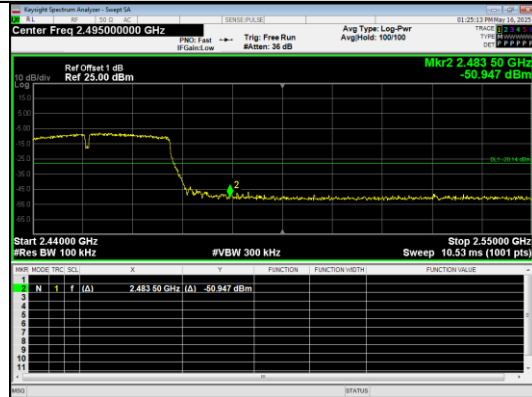
In-Band Reference Level
IEEE 802.11n_Channel 6_40MHz_Antenna 0



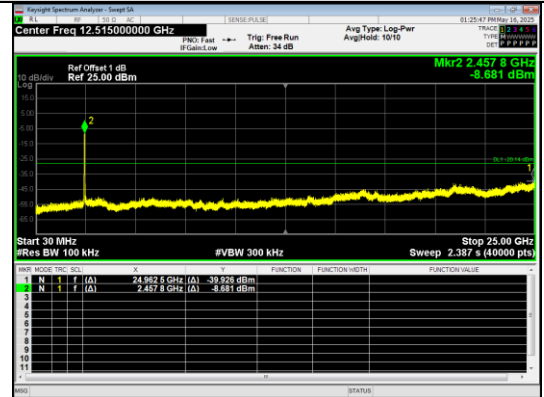
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 6_40MHz_Antenna 0



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 *****