

Conducted Output Power

Test Result

Conducted Output Power

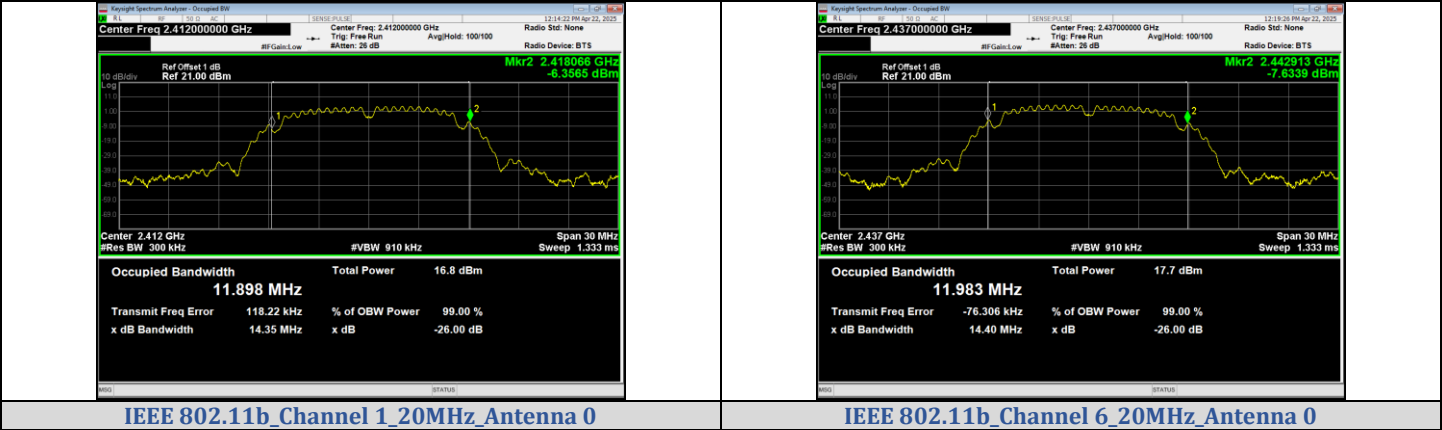
Mode	Channel	Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11b	1	15.81	≤30	PASS
	6	16.77	≤30	PASS
	11	16.04	≤30	PASS
IEEE 802.11g	1	17.76	≤30	PASS
	6	17.72	≤30	PASS
	11	17.32	≤30	PASS
IEEE 802.11n_20	1	16.83	≤30	PASS
	6	17.83	≤30	PASS
	11	17.30	≤30	PASS
IEEE 802.11n_40	3	17.30	≤30	PASS
	6	17.66	≤30	PASS
	9	16.80	≤30	PASS

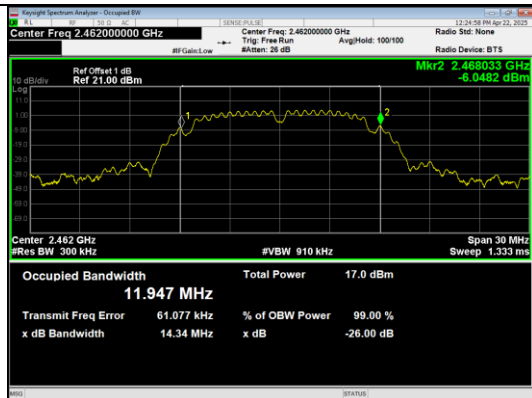
99% Bandwidth

Test Result

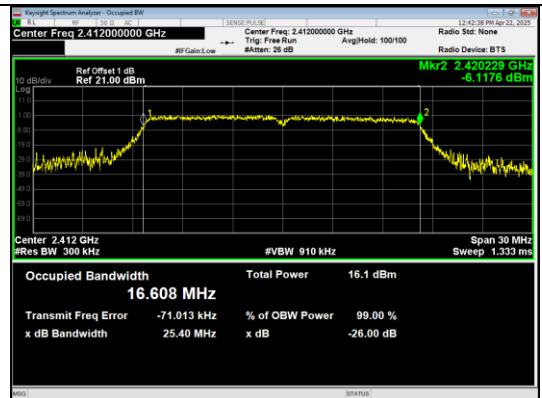
Mode	Channel	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11b	1	2412	11.898
	6	2437	11.983
	11	2462	11.947
IEEE 802.11g	1	2412	16.608
	6	2437	16.563
	11	2462	16.604
IEEE 802.11n_20	1	2412	17.607
	6	2437	17.573
	11	2462	17.638
IEEE 802.11n_40	3	2422	36.430
	6	2437	35.989
	9	2452	35.772

Test Graphs

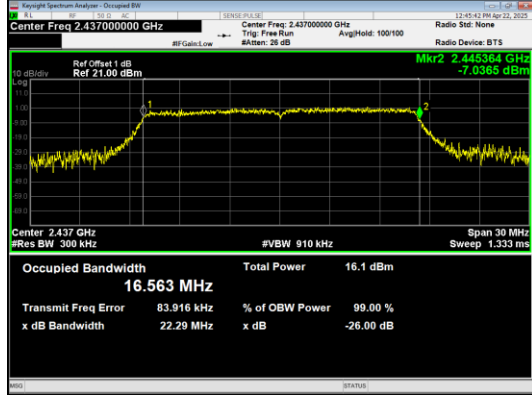




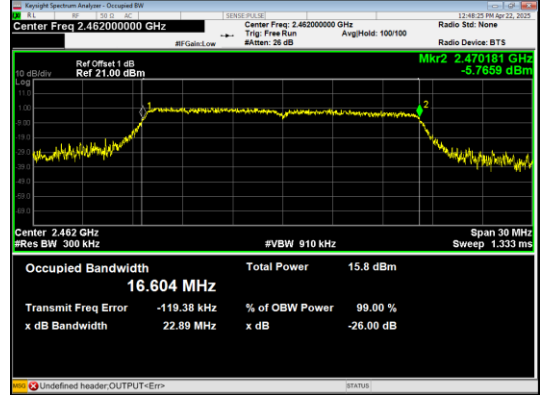
IEEE 802.11b_Channel 11_20MHz_Antenna 0



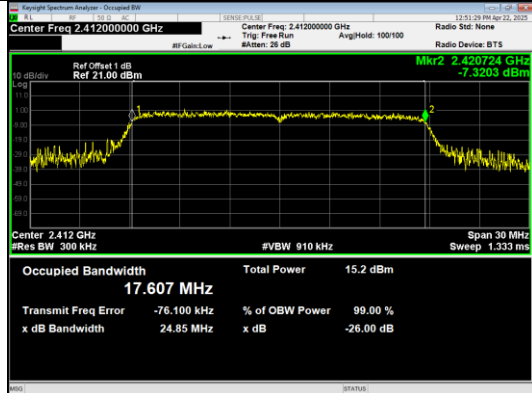
IEEE 802.11g_Channel 1_20MHz_Antenna 0



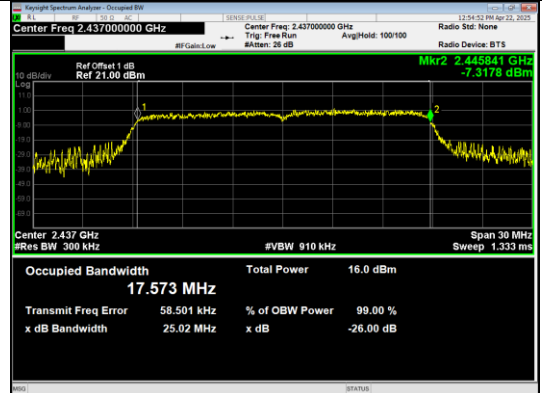
IEEE 802.11g_Channel 6_20MHz_Antenna 0



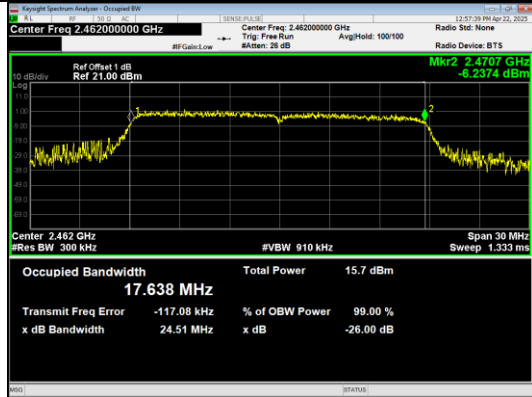
IEEE 802.11g_Channel 11_20MHz_Antenna 0



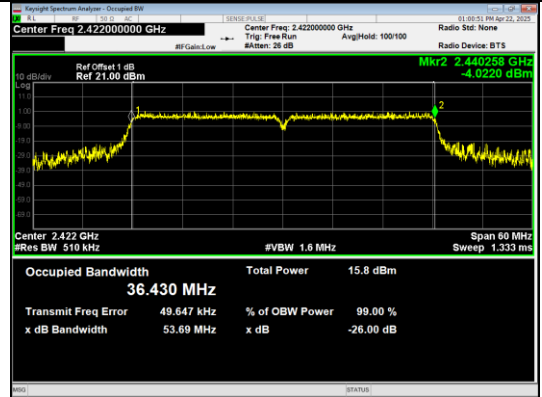
IEEE 802.11n_Channel 1_20MHz_Antenna 0



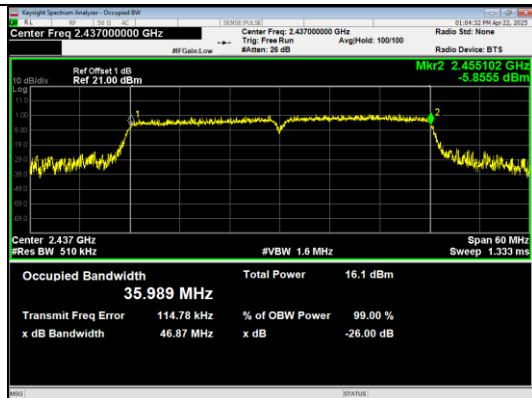
IEEE 802.11n_Channel 6_20MHz_Antenna 0



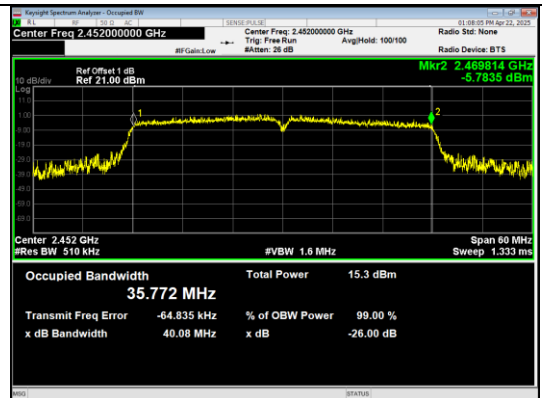
IEEE 802.11n_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 3_40MHz_Antenna 0



IEEE 802.11n_Channel 6_40MHz_Antenna 0



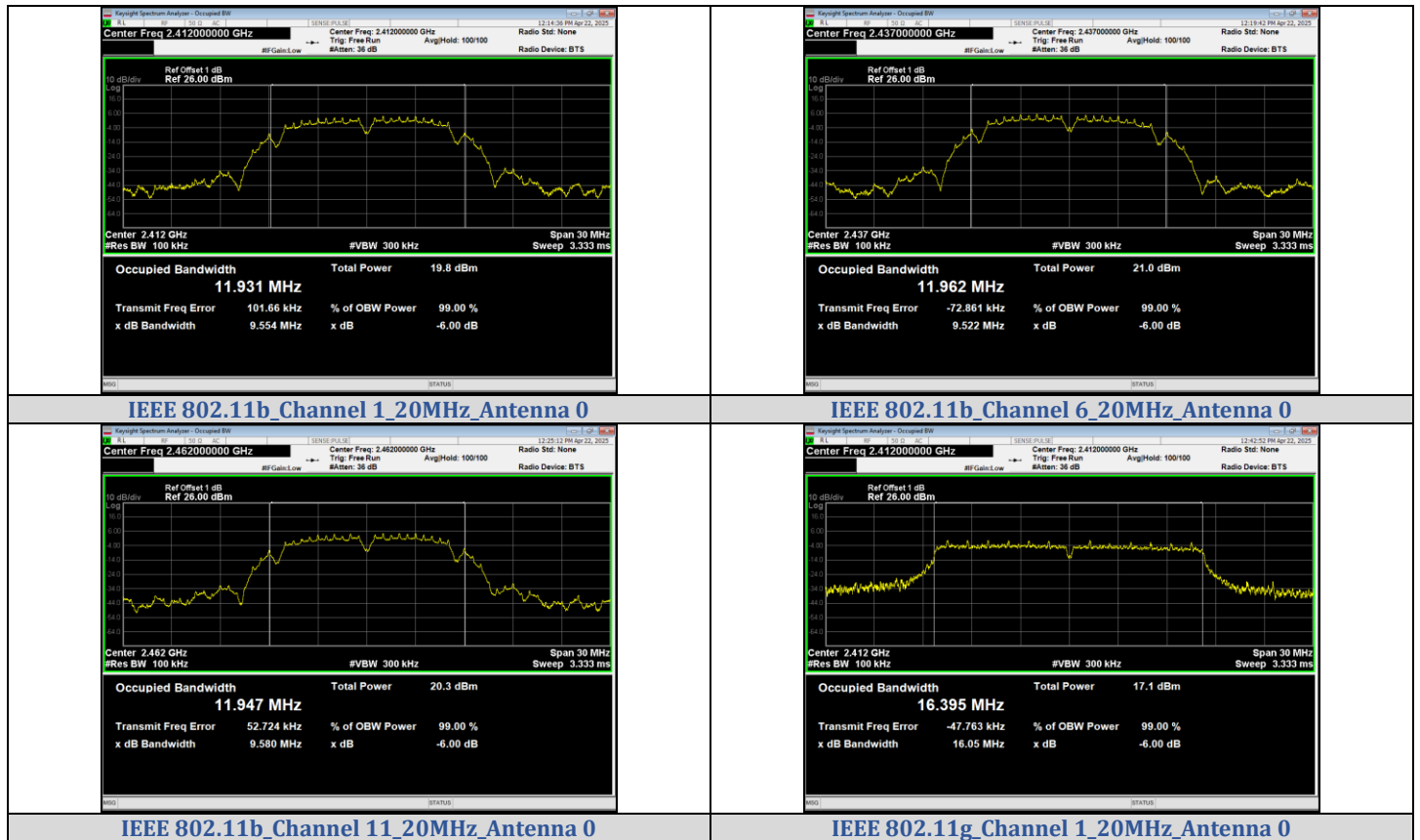
IEEE 802.11n_Channel 9_40MHz_Antenna 0

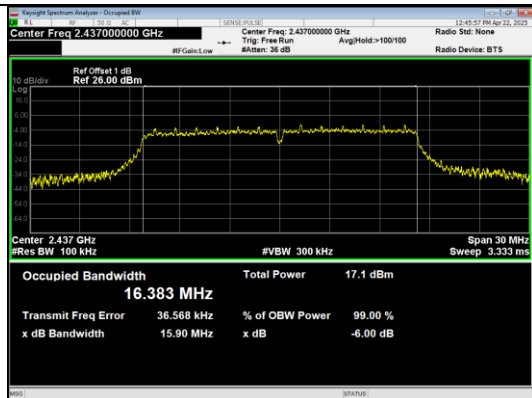
6dB Bandwidth

Test Result

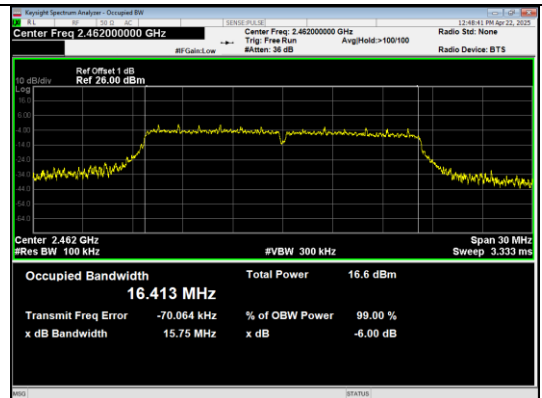
Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11b	1	0	2412	9.554	≥0.5	PASS
	6		2437	9.522		PASS
	11		2462	9.580		PASS
IEEE 802.11g	1		2412	16.05		PASS
	6		2437	15.90		PASS
	11		2462	15.75		PASS
IEEE 802.11n_20	1		2412	16.68		PASS
	6		2437	16.96		PASS
	11		2462	16.19		PASS
IEEE 802.11n_40	3		2422	36.42		PASS
	6		2437	35.47		PASS
	9		2452	35.08		PASS

Test Graphs

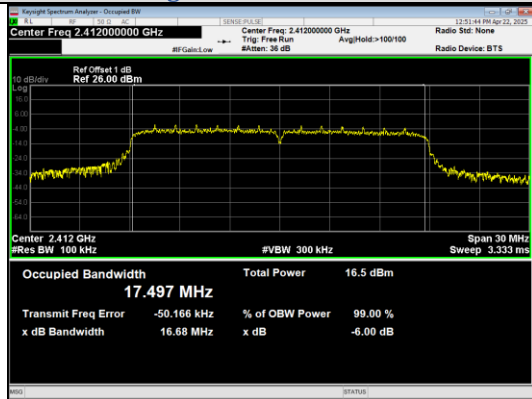




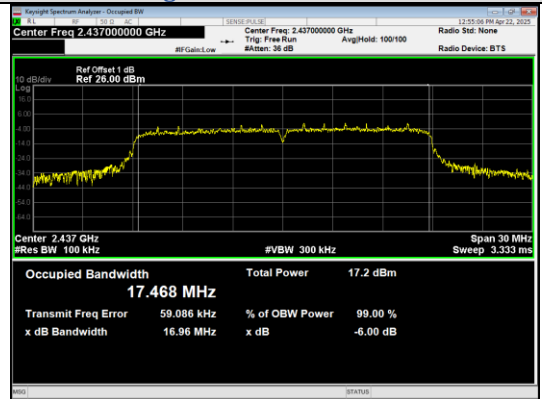
IEEE 802.11g_Channel 6_20MHz_Antenna 0



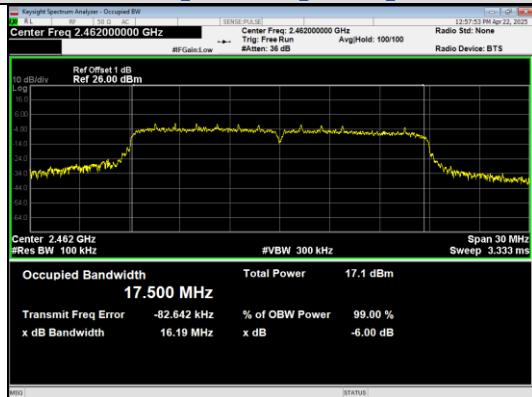
IEEE 802.11g_Channel 11_20MHz_Antenna 0



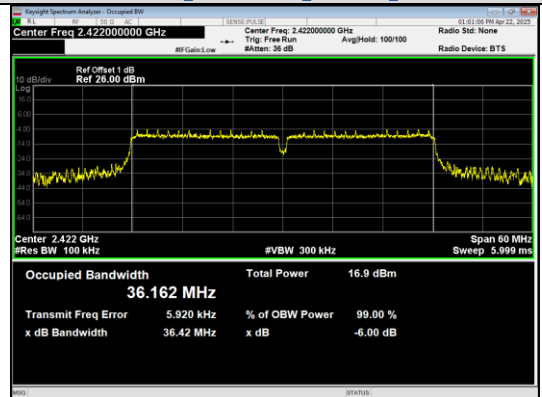
IEEE 802.11n_Channel 1_20MHz_Antenna 0



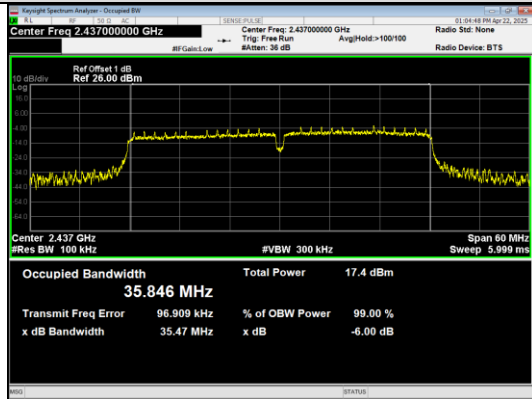
IEEE 802.11n_Channel 6_20MHz_Antenna 0



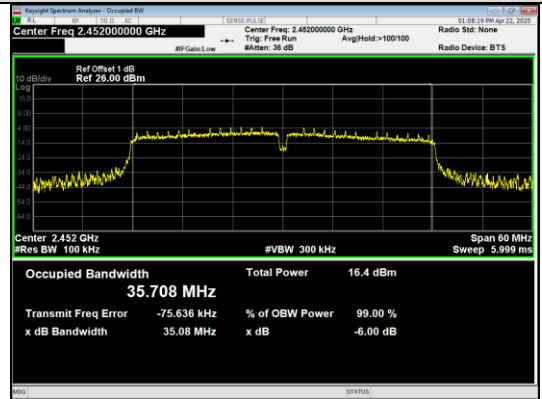
IEEE 802.11n_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 3_40MHz_Antenna 0



IEEE 802.11n_Channel 6_40MHz_Antenna 0



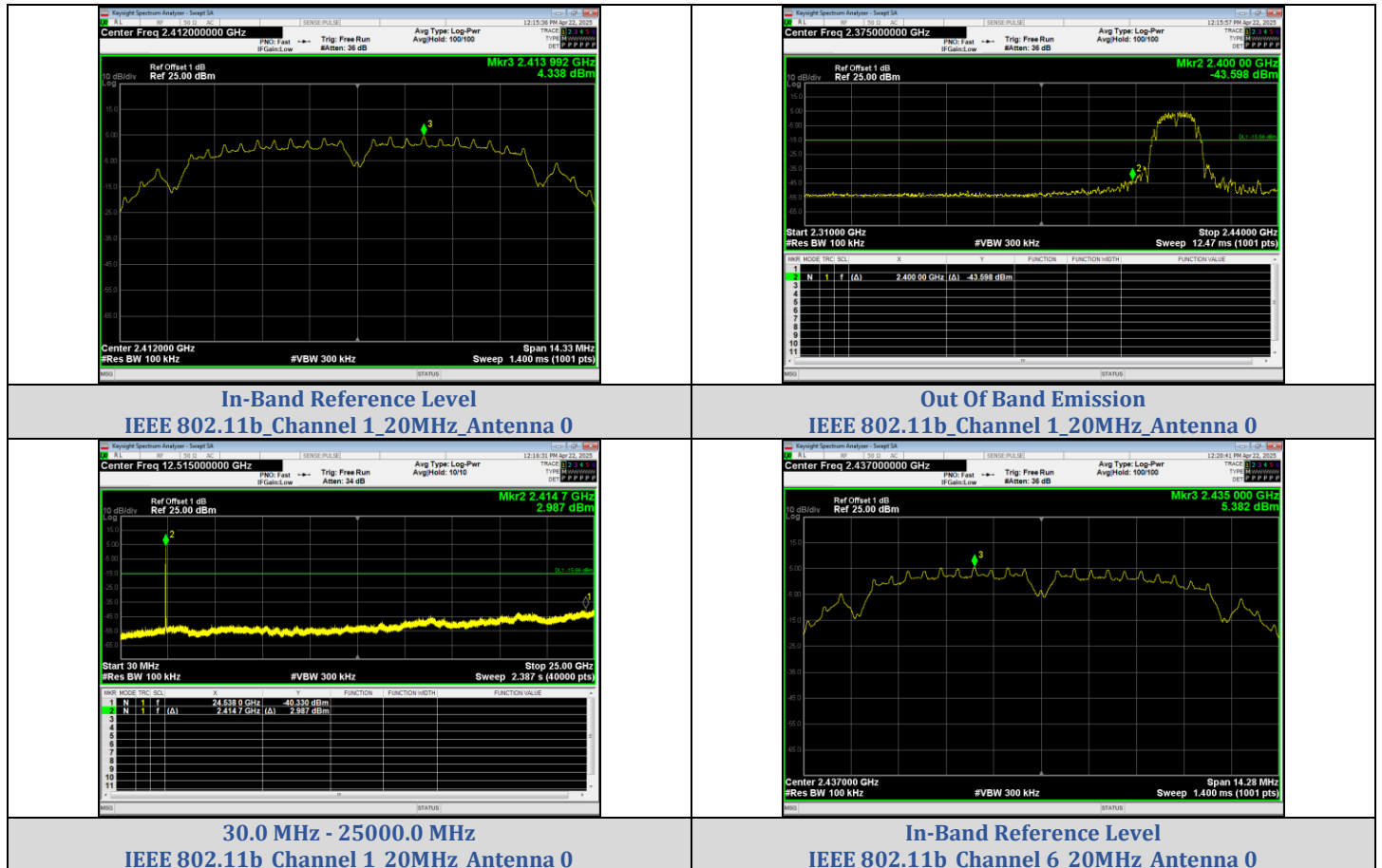
IEEE 802.11n_Channel 9_40MHz_Antenna 0

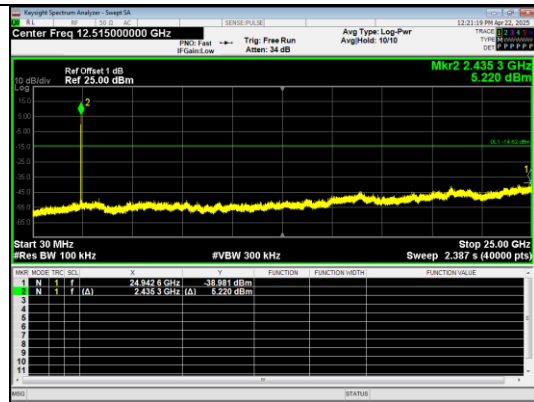
Conducted Out Of Band Emission

Test Result

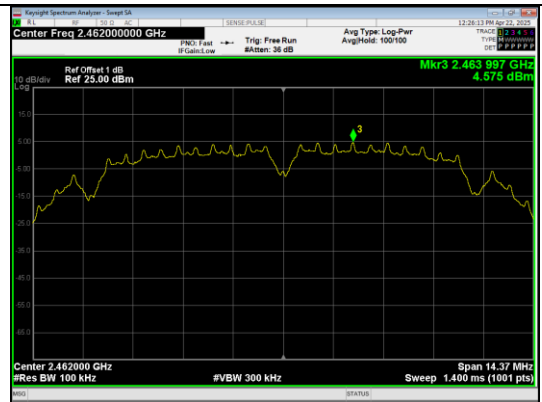
Mode	Channel	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
IEEE 802.11b	1	0	2400.00	-43.598	-15.66	-27.938	PASS
			24538.0	-40.330	-15.66	-24.670	PASS
	6		24942.6	-38.981	-14.62	-24.361	PASS
	11		2483.50	-48.703	-15.43	-33.273	PASS
			24958.8	-40.207	-15.43	-24.777	PASS
IEEE 802.11g	1		2398.79	-29.253	-20.24	-9.013	PASS
			2400.00	-31.778	-20.24	-11.538	PASS
			24998.1	-39.962	-20.24	-19.722	PASS
	6		24362.6	-39.942	-19.97	-19.972	PASS
	11		2483.50	-43.879	-19.73	-24.149	PASS
24962.5			-38.115	-19.73	-18.385	PASS	
IEEE 802.11n_20	1		2400.00	-30.089	-21.01	-9.079	PASS
			24989.4	-39.631	-21.01	-18.621	PASS
	6		24510.0	-39.720	-19.93	-19.790	PASS
	11		2483.50	-44.396	-19.93	-24.466	PASS
		24996.3	-39.482	-19.93	-19.552	PASS	
IEEE 802.11n_40	3	2397.49	-29.418	-23.81	-5.608	PASS	
		2400.00	-32.975	-23.81	-9.165	PASS	
		24963.2	-40.340	-23.81	-16.530	PASS	
	6	24883.9	-39.899	-22.79	-17.109	PASS	
	9	2483.50	-41.851	-23.05	-18.801	PASS	
		24370.7	-38.915	-23.05	-15.865	PASS	

Test Graphs

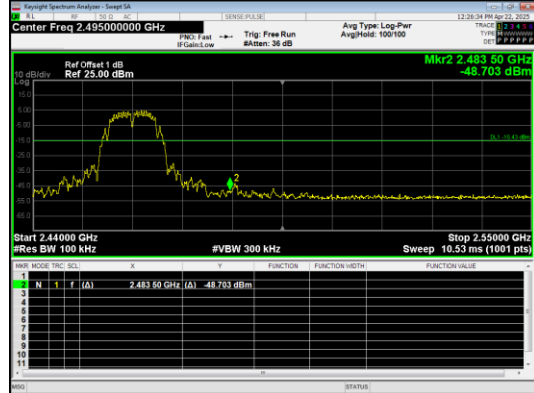




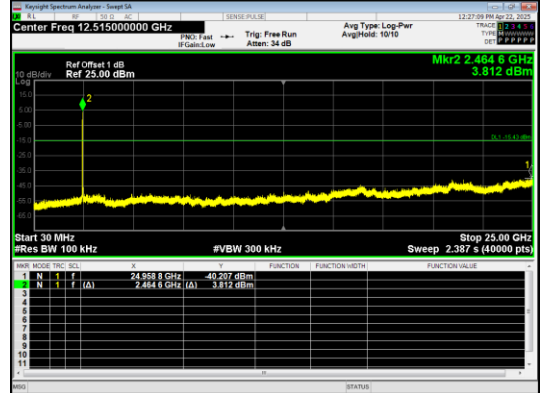
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 6_20MHz_Antenna 0



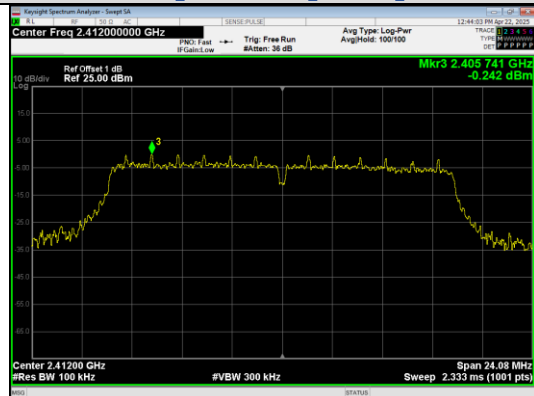
In-Band Reference Level
IEEE 802.11b_Channel 11_20MHz_Antenna 0



Out Of Band Emission
IEEE 802.11b_Channel 11_20MHz_Antenna 0



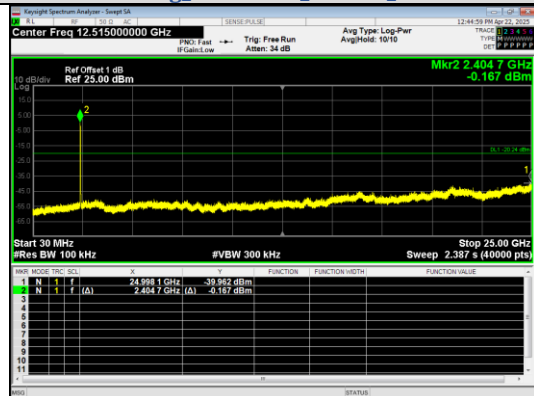
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 11_20MHz_Antenna 0



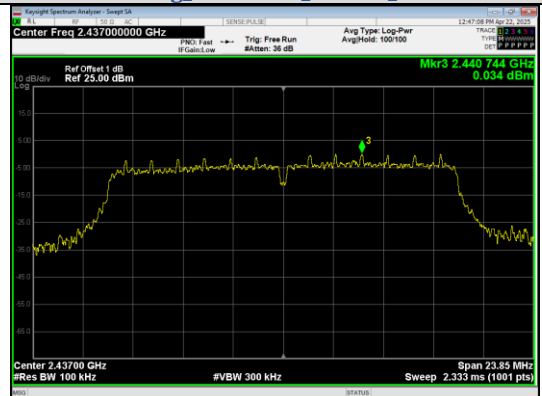
In-Band Reference Level
IEEE 802.11g_Channel 1_20MHz_Antenna 0



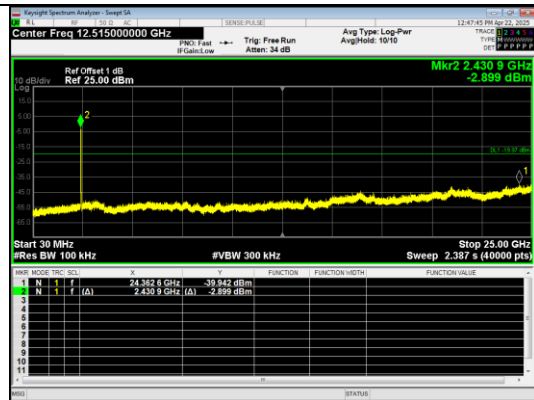
Out Of Band Emission
IEEE 802.11g_Channel 1_20MHz_Antenna 0



30.0 MHz - 25000.0 MHz
IEEE 802.11g_Channel 1_20MHz_Antenna 0



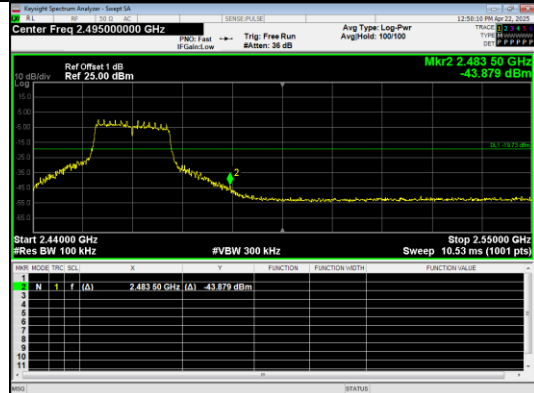
In-Band Reference Level
IEEE 802.11g_Channel 6_20MHz_Antenna 0



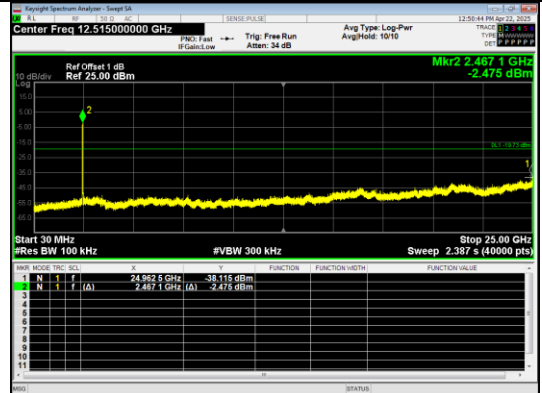
30.0 MHz - 25000.0 MHz
IEEE 802.11g_Channel 6_20MHz_Antenna 0



In-Band Reference Level
IEEE 802.11g_Channel 11_20MHz_Antenna 0



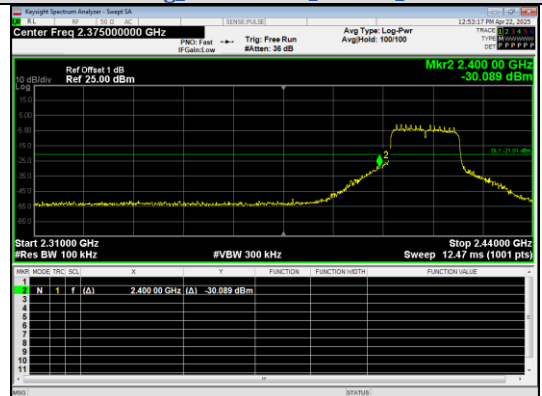
Out Of Band Emission
IEEE 802.11g_Channel 11_20MHz_Antenna 0



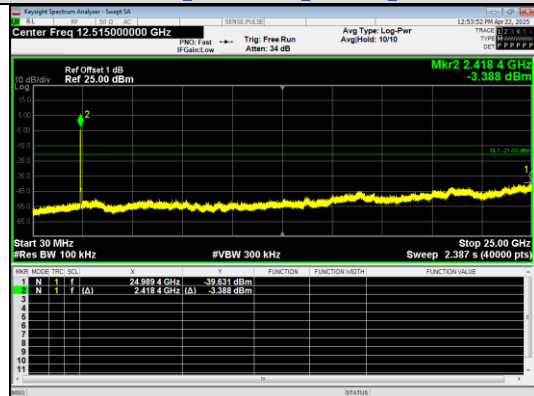
30.0 MHz - 25000.0 MHz
IEEE 802.11g_Channel 11_20MHz_Antenna 0



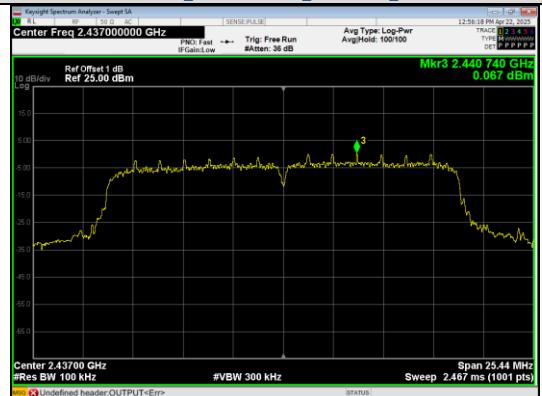
In-Band Reference Level
IEEE 802.11n_Channel 1_20MHz_Antenna 0



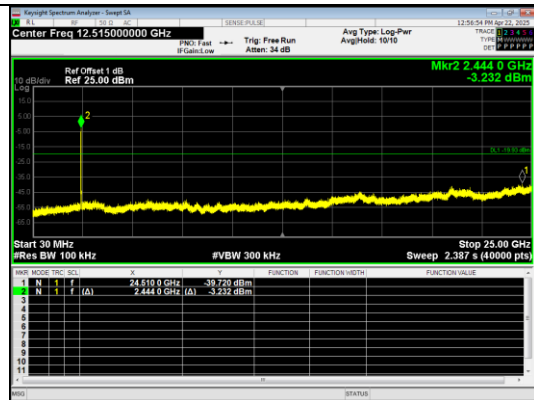
Out Of Band Emission
IEEE 802.11n_Channel 1_20MHz_Antenna 0



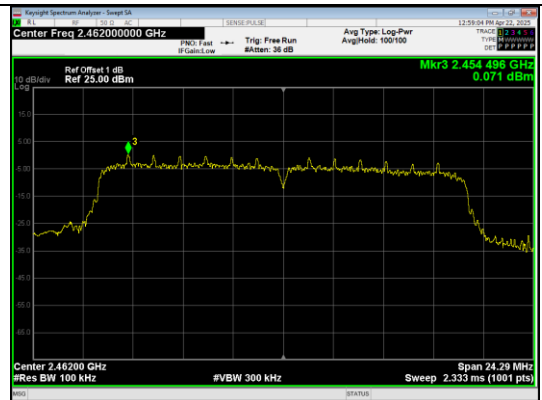
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 1_20MHz_Antenna 0



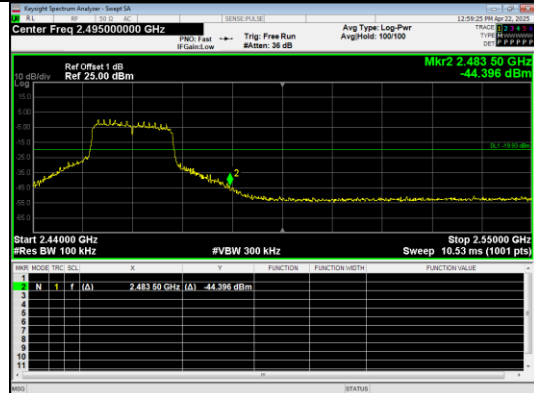
In-Band Reference Level
IEEE 802.11n_Channel 6_20MHz_Antenna 0



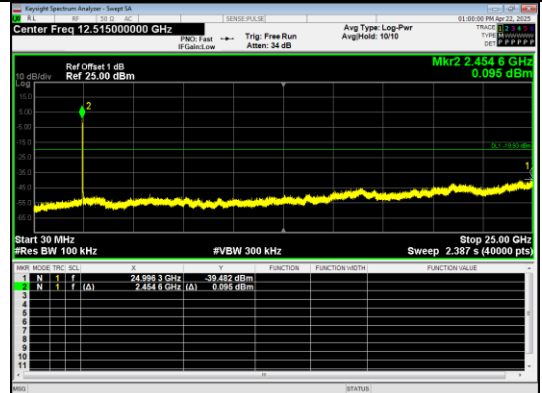
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 6_20MHz_Antenna 0



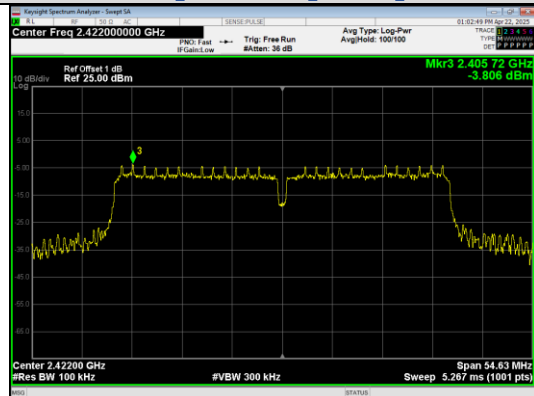
In-Band Reference Level
IEEE 802.11n_Channel 11_20MHz_Antenna 0



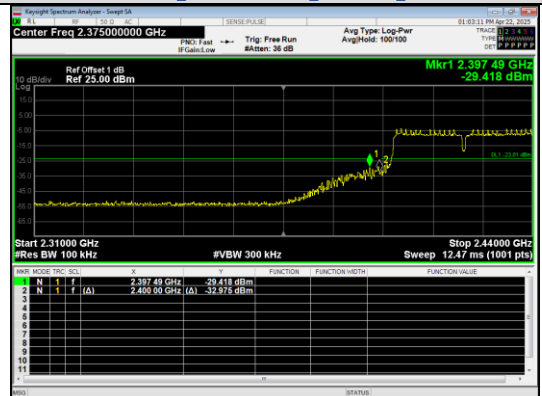
Out Of Band Emission
IEEE 802.11n_Channel 11_20MHz_Antenna 0



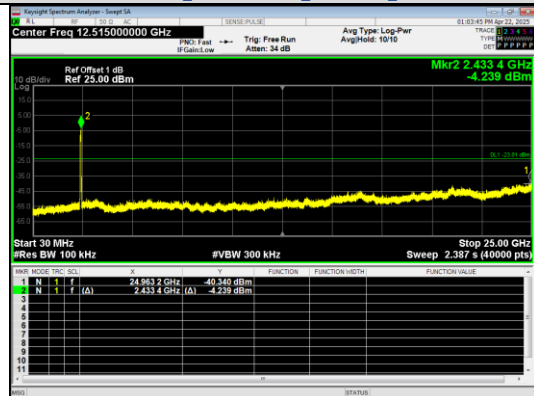
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 11_20MHz_Antenna 0



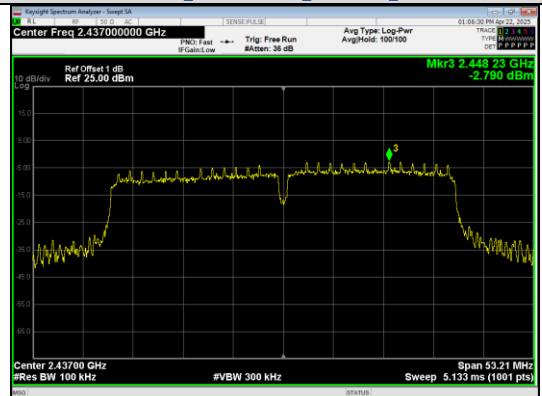
In-Band Reference Level
IEEE 802.11n_Channel 3_40MHz_Antenna 0



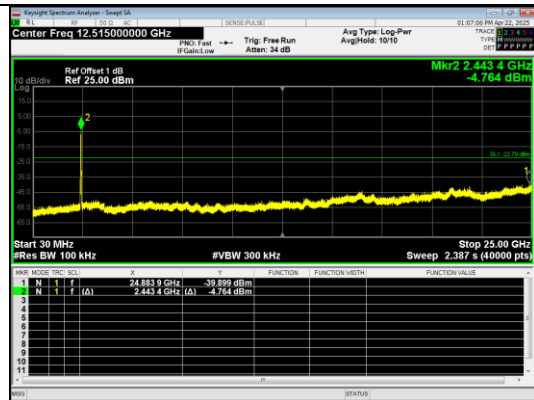
Out Of Band Emission
IEEE 802.11n_Channel 3_40MHz_Antenna 0



30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 3_40MHz_Antenna 0



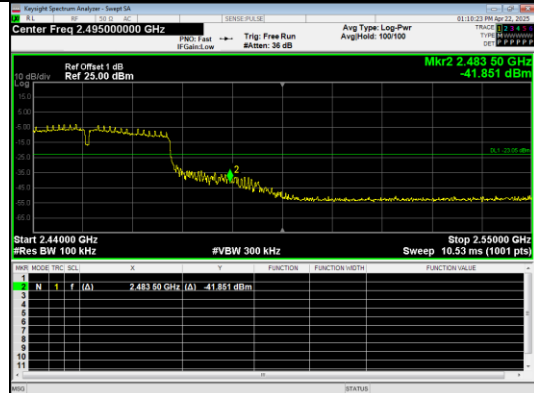
In-Band Reference Level
IEEE 802.11n_Channel 6_40MHz_Antenna 0



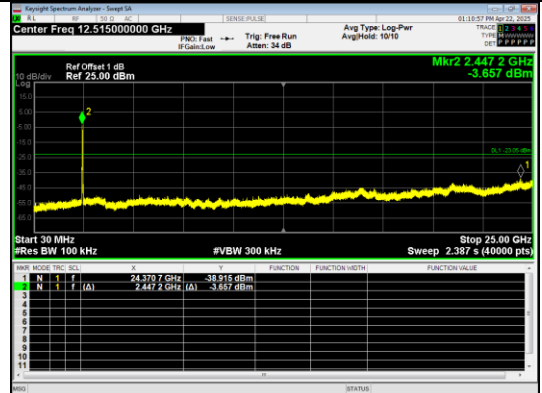
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 6_40MHz_Antenna 0



In-Band Reference Level
IEEE 802.11n_Channel 9_40MHz_Antenna 0



Out Of Band Emission
IEEE 802.11n_Channel 9_40MHz_Antenna 0



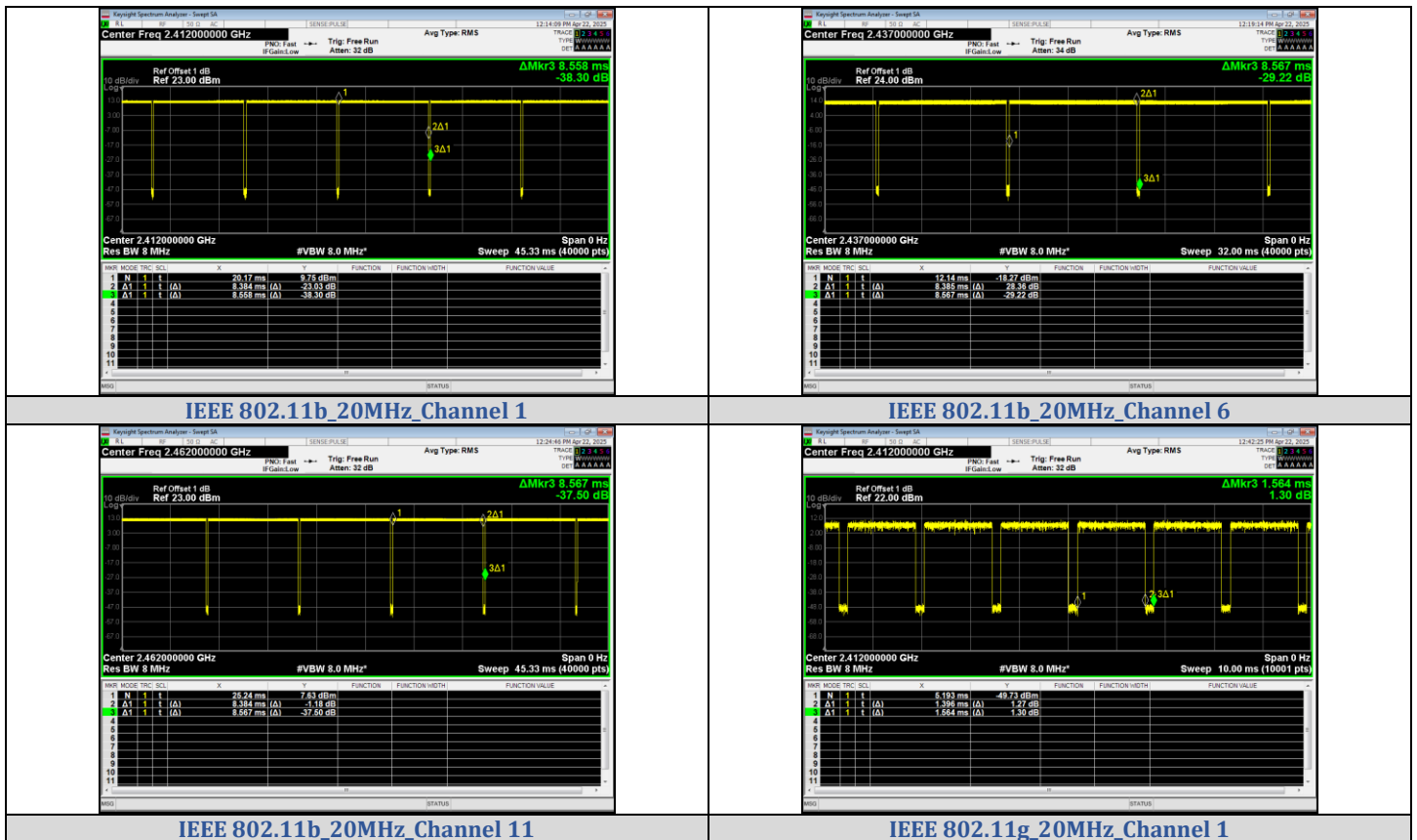
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 9_40MHz_Antenna 0

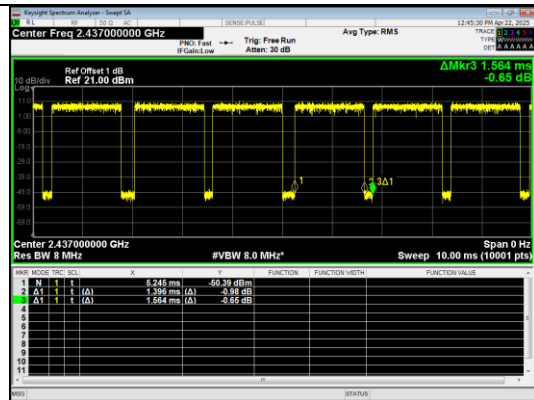
Duty Cycle

Test Result

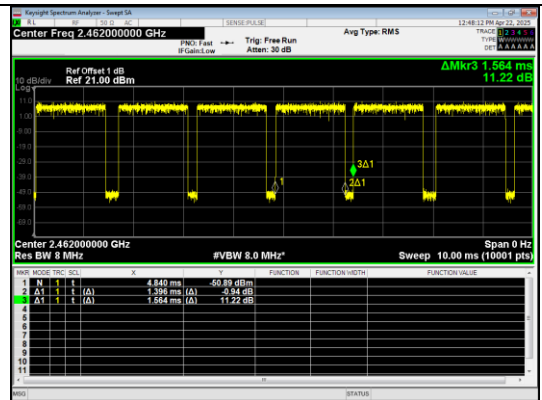
Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11b	1	1	1	8.384	8.558	97.97	0.9797	0.0891	0.1193
		6		8.385	8.567	97.87	0.9787	0.0935	0.1193
		11		8.384	8.567	97.87	0.9787	0.0935	0.1193
IEEE 802.11g		1		1.396	1.564	89.26	0.8926	0.4934	0.7163
		6		1.396	1.564	89.26	0.8926	0.4934	0.7163
		11		1.396	1.564	89.26	0.8926	0.4934	0.7163
IEEE 802.11n_20	MCS 0	1		1.177	1.355	86.87	0.8687	0.6113	0.8496
		6		1.176	1.355	86.86	0.8686	0.6118	0.8503
		11		1.177	1.346	87.48	0.8748	0.5809	0.8496
IEEE 802.11n_40		3		0.589	0.758	77.74	0.7774	1.0936	1.6978
		6		0.589	0.785	75.09	0.7509	1.2442	1.6978
		9		0.589	0.767	76.84	0.7684	1.1441	1.6978

Test Graphs

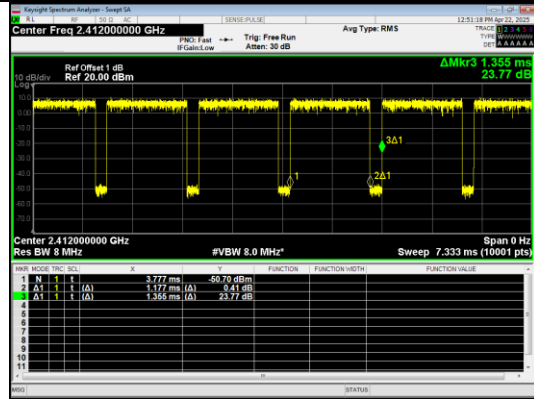




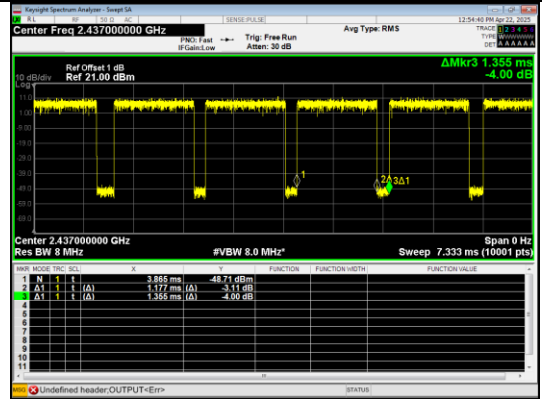
IEEE 802.11g_20MHz_Channel 6



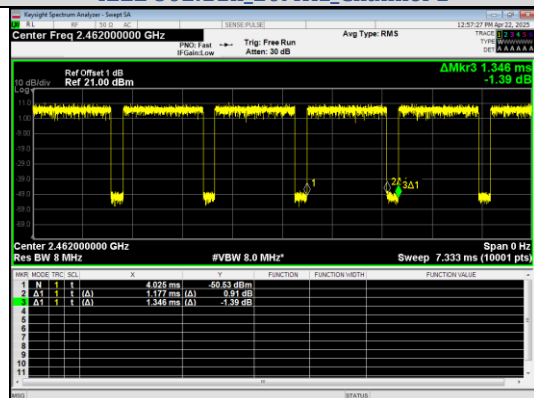
IEEE 802.11g_20MHz_Channel 11



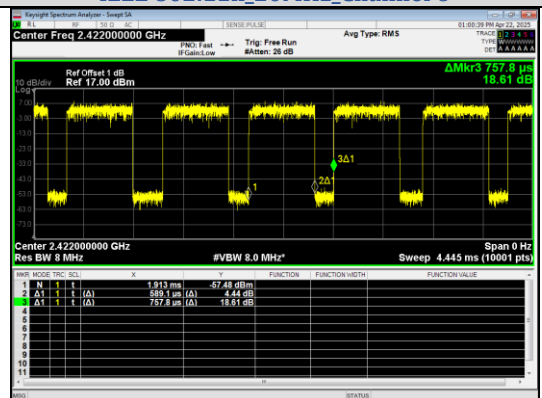
IEEE 802.11n_20MHz_Channel 1



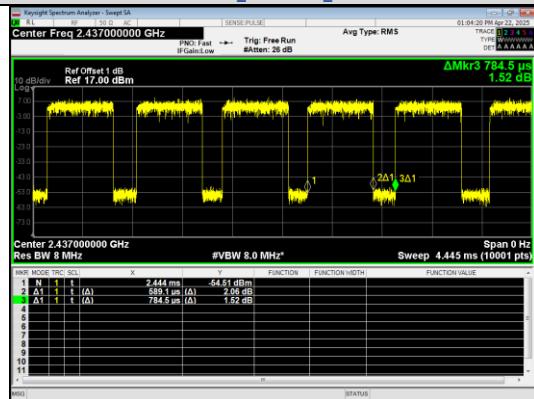
IEEE 802.11n_20MHz_Channel 6



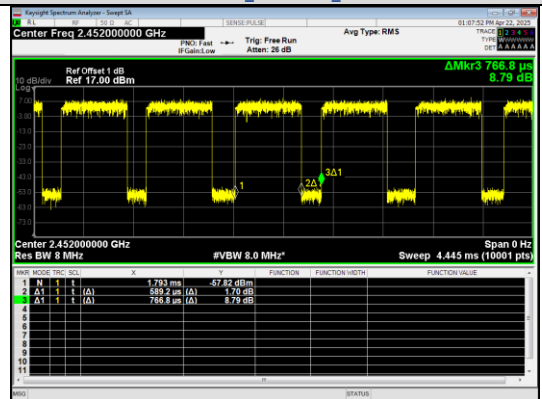
IEEE 802.11n_20MHz_Channel 11



IEEE 802.11n_40MHz_Channel 3



IEEE 802.11n_40MHz_Channel 6



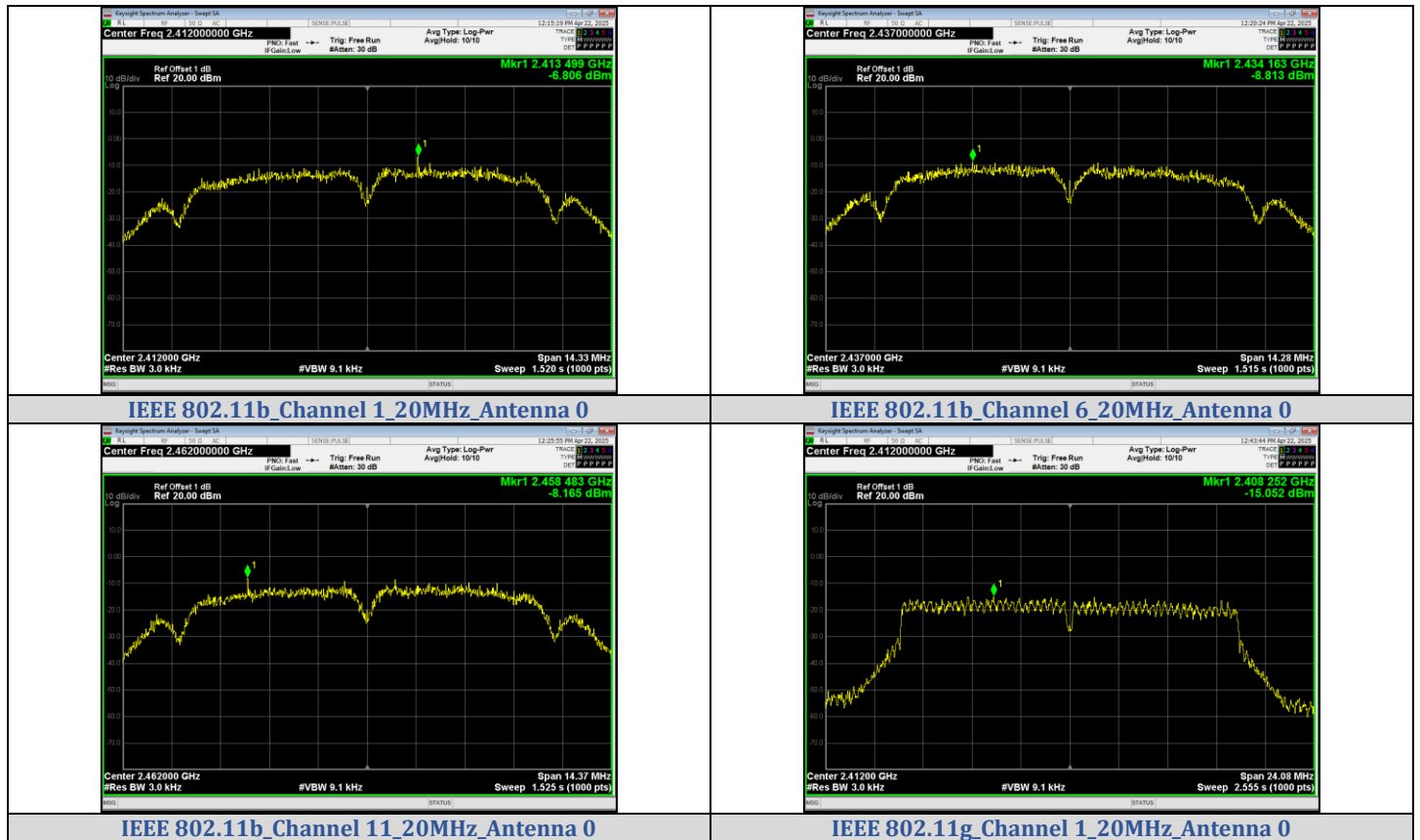
IEEE 802.11n_40MHz_Channel 9

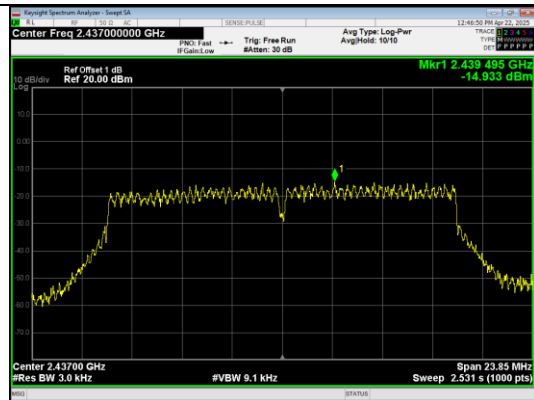
Power Spectral Density

Test Result

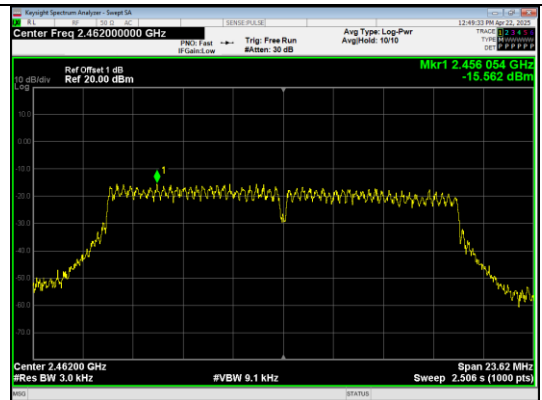
Mode	Channel	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
IEEE 802.11b	1	-6.806	≤8	PASS
	6	-8.813		PASS
	11	-8.165		PASS
IEEE 802.11g	1	-15.052		PASS
	6	-14.933		PASS
	11	-15.562		PASS
IEEE 802.11n_20	1	-15.775		PASS
	6	-14.797		PASS
	11	-14.617		PASS
IEEE 802.11n_40	3	-18.425		PASS
	6	-16.721		PASS
	9	-18.190		PASS

Test Graphs

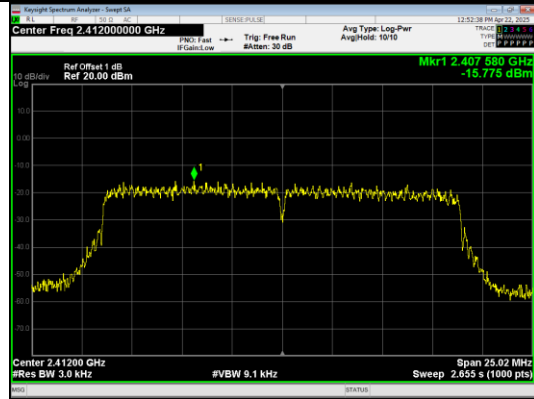




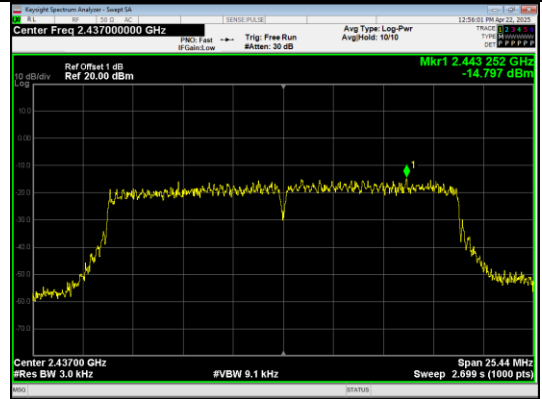
IEEE 802.11g_Channel 6_20MHz_Antenna 0



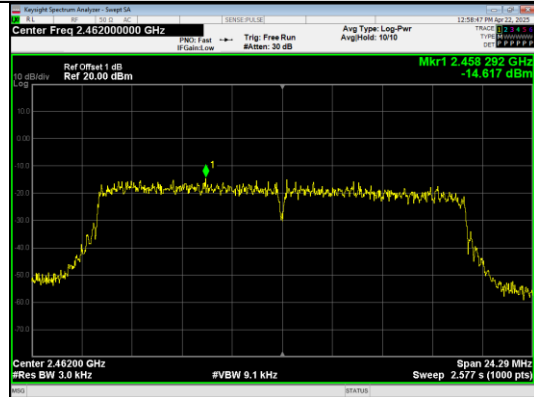
IEEE 802.11g_Channel 11_20MHz_Antenna 0



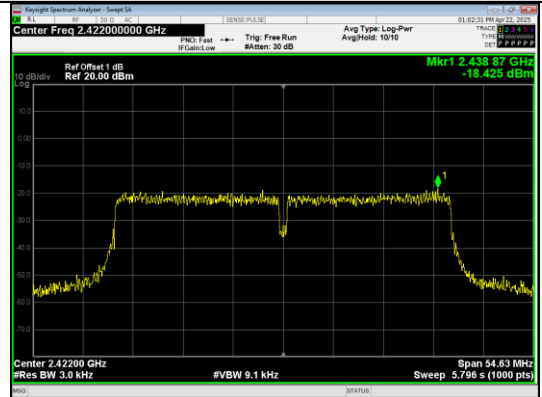
IEEE 802.11n_Channel 1_20MHz_Antenna 0



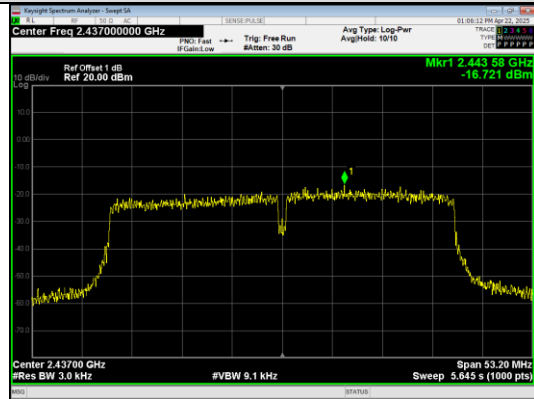
IEEE 802.11n_Channel 6_20MHz_Antenna 0



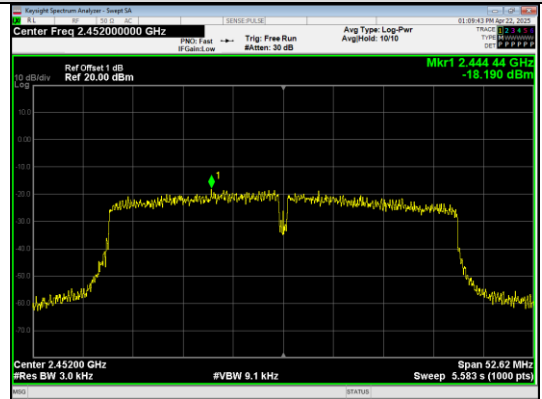
IEEE 802.11n_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 3_40MHz_Antenna 0



IEEE 802.11n_Channel 6_40MHz_Antenna 0



IEEE 802.11n_Channel 9_40MHz_Antenna 0