



Conducted Output Power

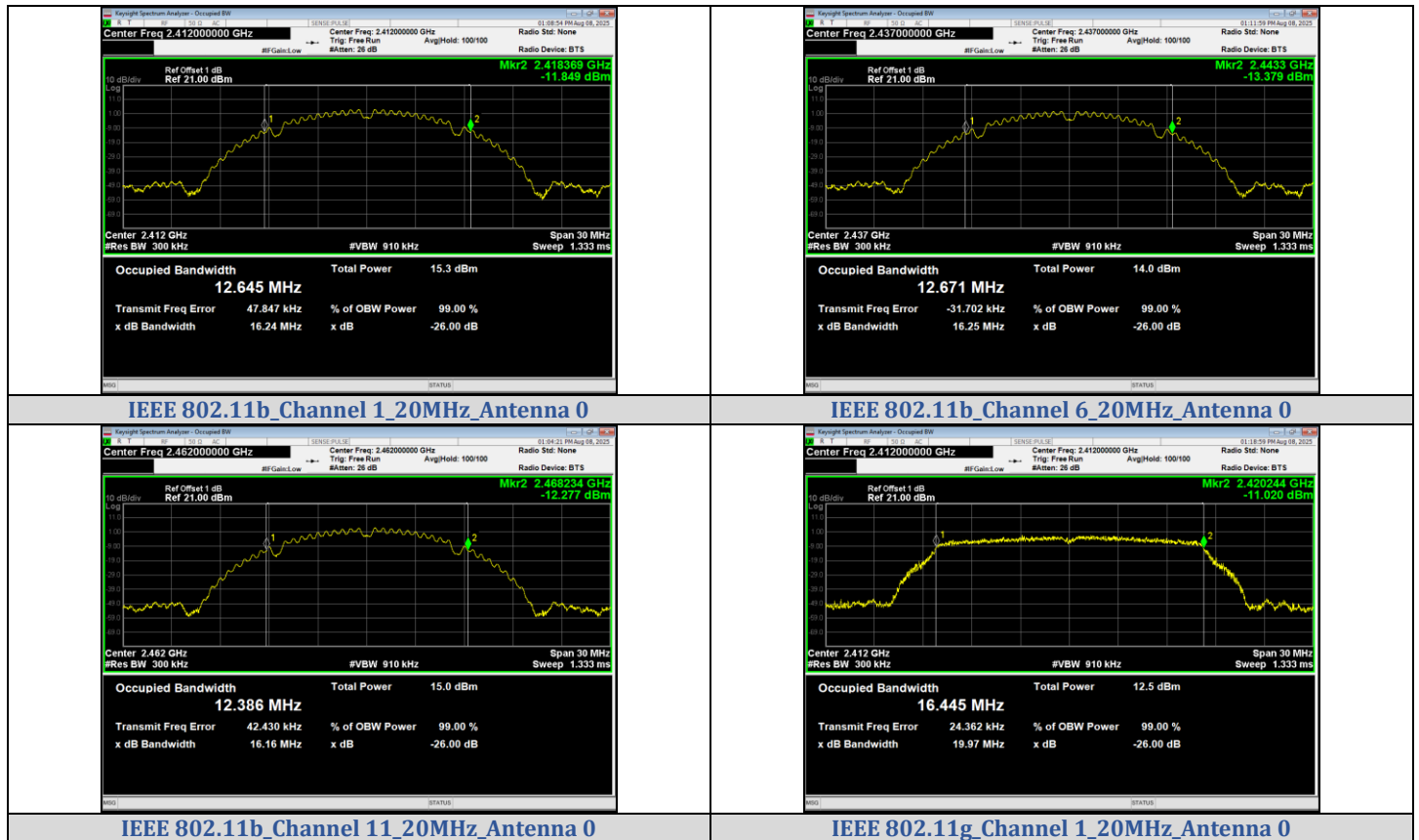
Test Result

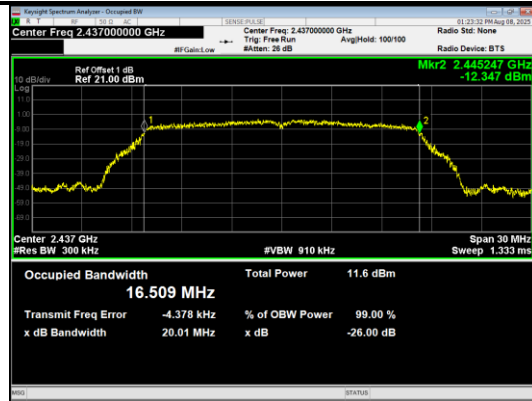
Conducted Output Power

Mode	Channel	Ant. 1 (dBm)	Total (dBm)	Limit (dBm)	Result
IEEE 802.11b	1	14.20	N/A	≤30	PASS
	6	12.93	N/A	≤30	PASS
	11	13.96	N/A	≤30	PASS
IEEE 802.11g	1	14.27	N/A	≤30	PASS
	6	13.29	N/A	≤30	PASS
	11	13.81	N/A	≤30	PASS
IEEE 802.11n_20	1	14.04	N/A	≤30	PASS
	6	13.07	N/A	≤30	PASS
	11	13.72	N/A	≤30	PASS
IEEE 802.11n_40	3	13.62	N/A	≤30	PASS
	6	13.33	N/A	≤30	PASS
	9	13.79	N/A	≤30	PASS

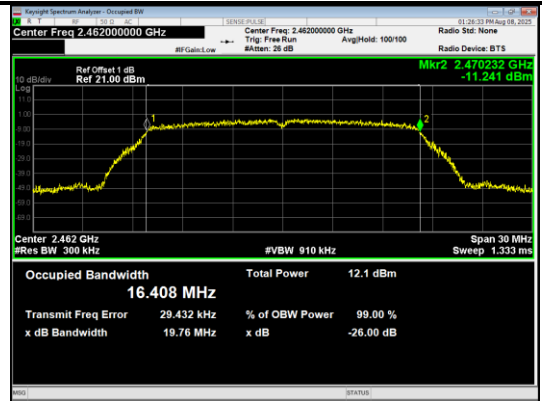
**99% Bandwidth****Test Result**

Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11b	1	0	2412	12.645
	6		2437	12.671
	11		2462	12.386
IEEE 802.11g	1		2412	16.445
	6		2437	16.509
	11		2462	16.408
IEEE 802.11n_20	1		2412	17.566
	6		2437	17.563
	11		2462	17.518
IEEE 802.11n_40	3		2422	35.921
	6		2437	36.175
	9		2452	36.016

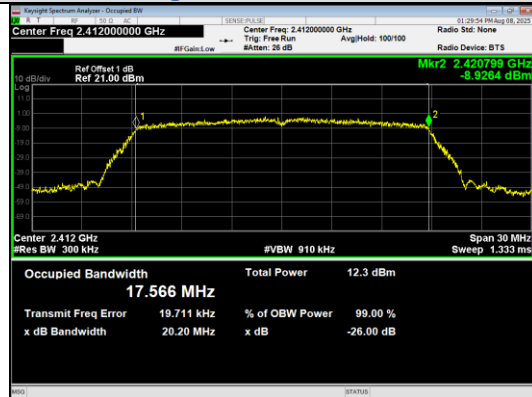
Test Graphs



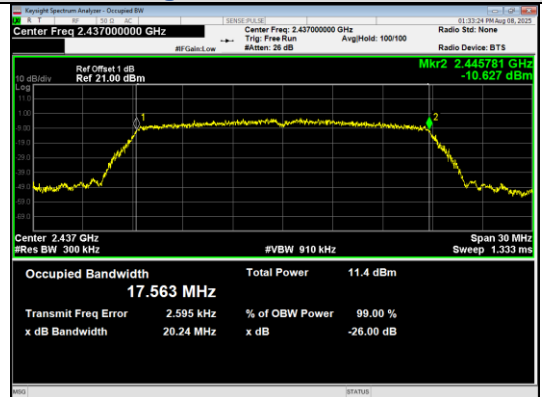
IEEE 802.11g Channel 6 20MHz Antenna 0



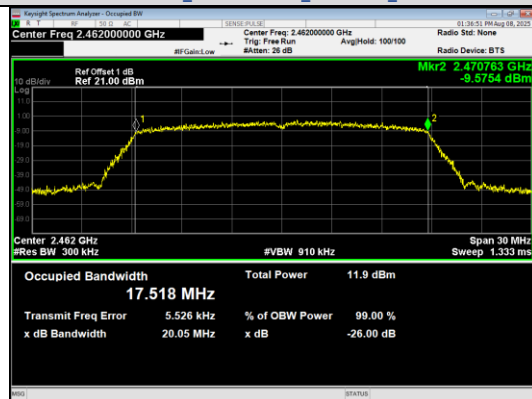
IEEE 802.11g Channel 11 20MHz Antenna 0



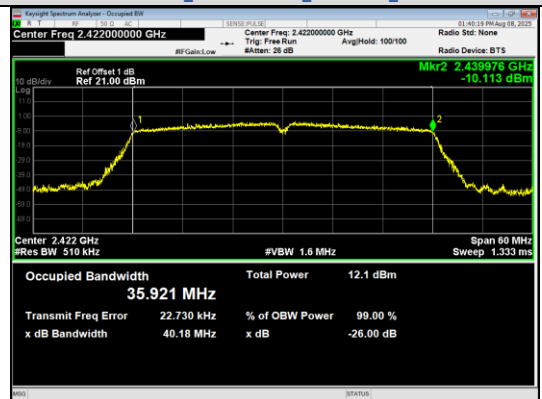
IEEE 802.11n Channel 1 20MHz Antenna 0



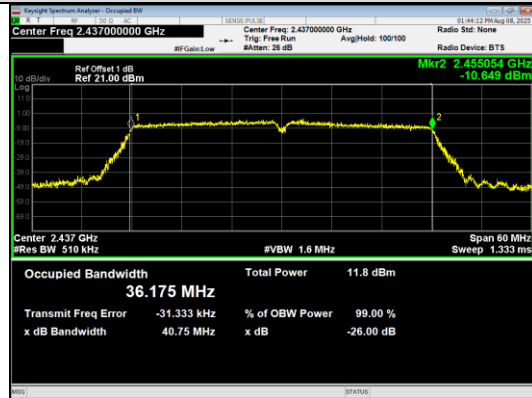
IEEE 802.11n Channel 6 20MHz Antenna 0



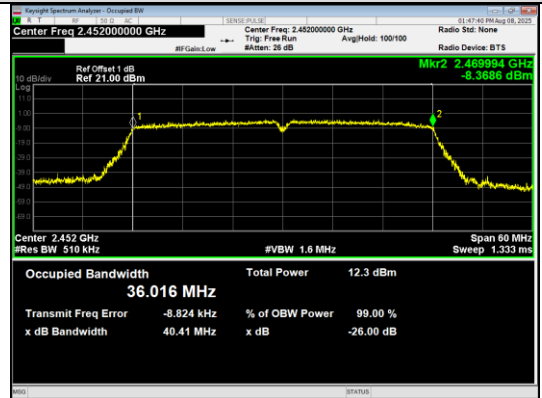
IEEE 802.11n Channel 11 20MHz Antenna 0



IEEE 802.11n Channel 3 40MHz Antenna 0



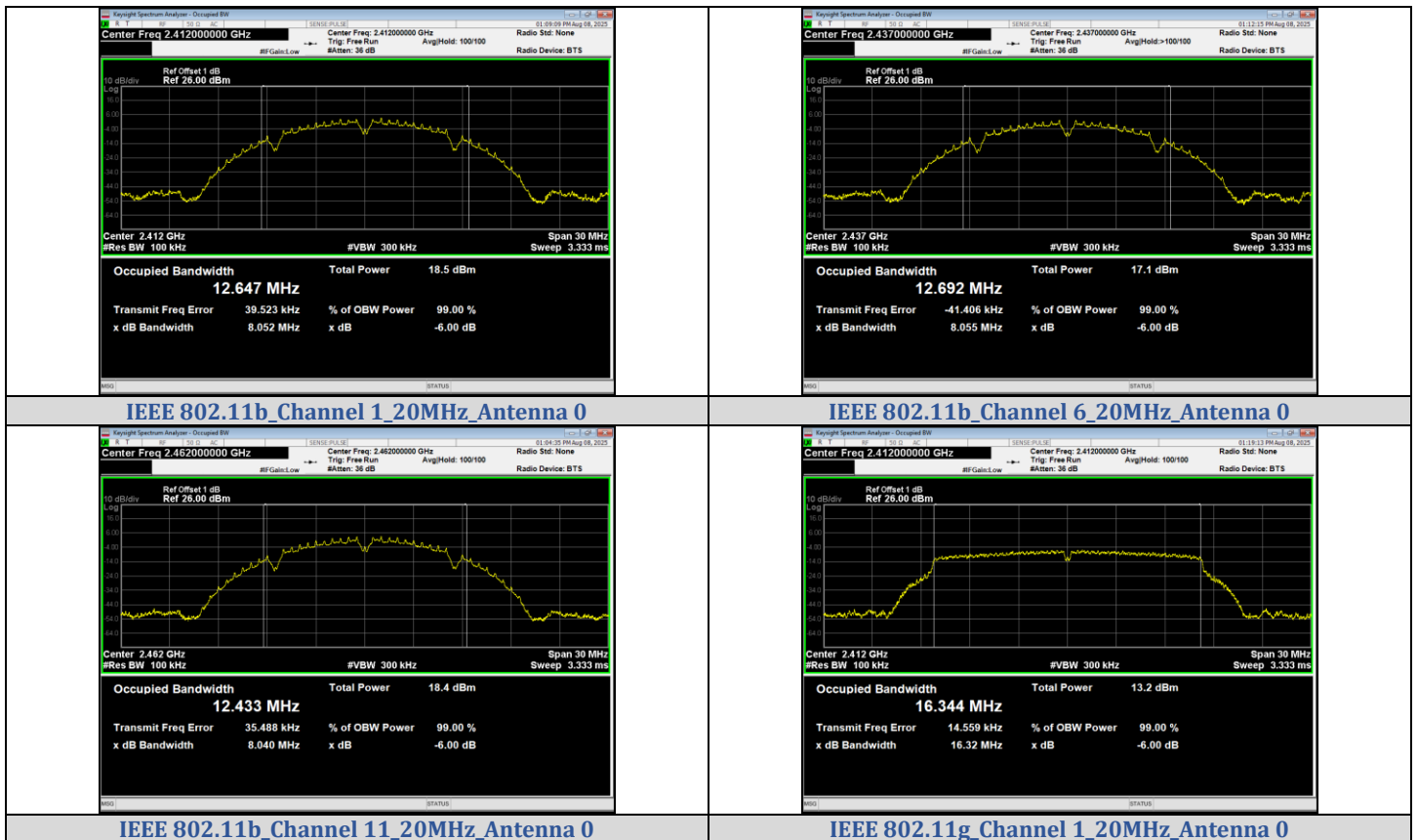
IEEE 802.11n Channel 6 40MHz Antenna 0

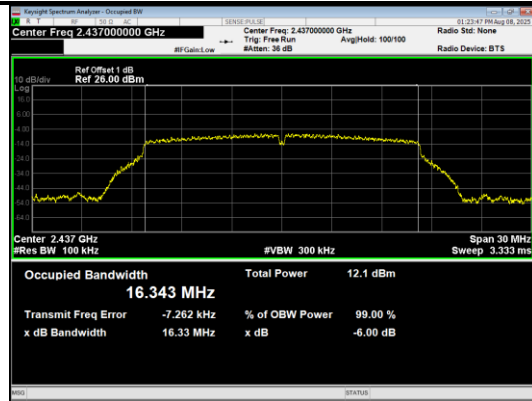


IEEE 802.11n Channel 9 40MHz Antenna 0

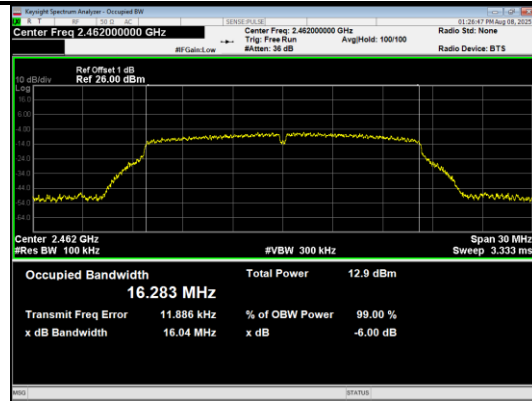
**6dB Bandwidth****Test Result**

Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11b	1	0	2412	8.050	≥0.5	PASS
	6		2437	8.060		PASS
	11		2462	8.040		PASS
IEEE 802.11g	1		2412	16.32		PASS
	6		2437	16.33		PASS
	11		2462	16.04		PASS
IEEE 802.11n_20	1		2412	17.55		PASS
	6		2437	17.57		PASS
	11		2462	17.54		PASS
IEEE 802.11n_40	3		2422	35.79		PASS
	6		2437	36.32		PASS
	9		2452	36.31		PASS

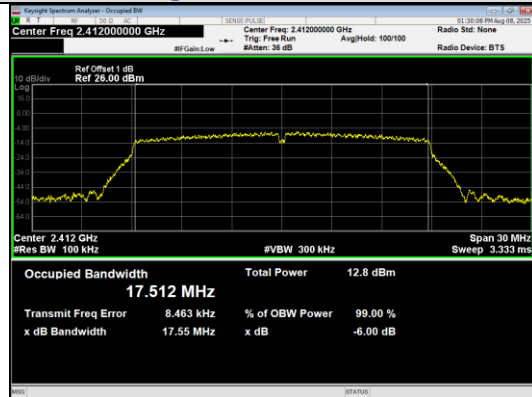
Test Graphs



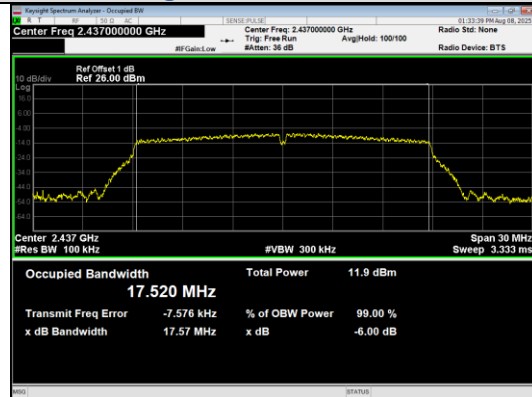
IEEE 802.11g Channel 6 20MHz_Antenna 0



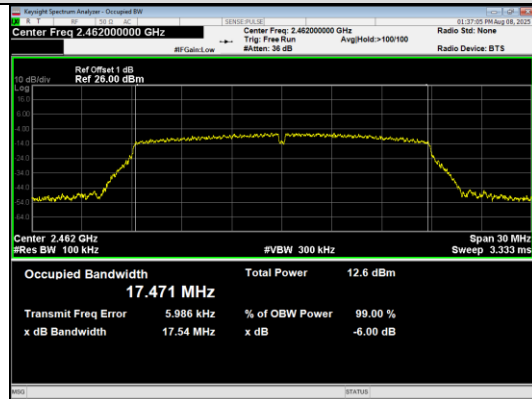
IEEE 802.11g Channel 11 20MHz_Antenna 0



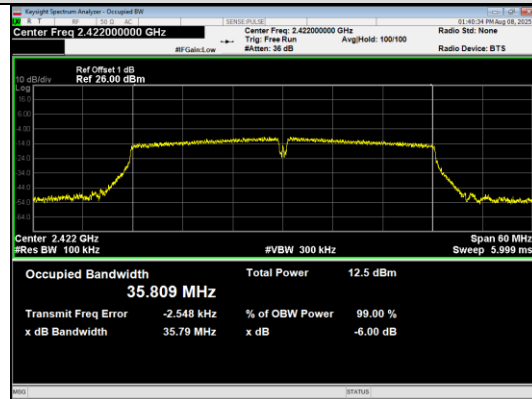
IEEE 802.11n Channel 1 20MHz_Antenna 0



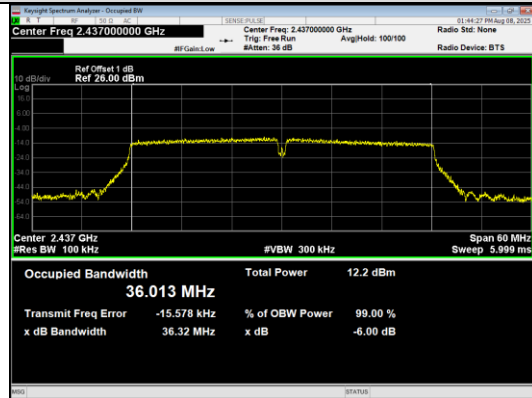
IEEE 802.11n Channel 6 20MHz_Antenna 0



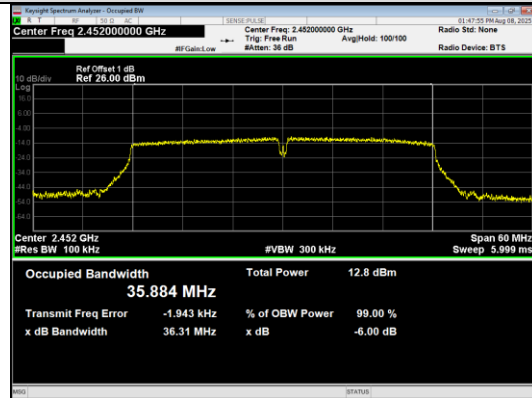
IEEE 802.11n Channel 11 20MHz_Antenna 0



IEEE 802.11n Channel 3 40MHz_Antenna 0



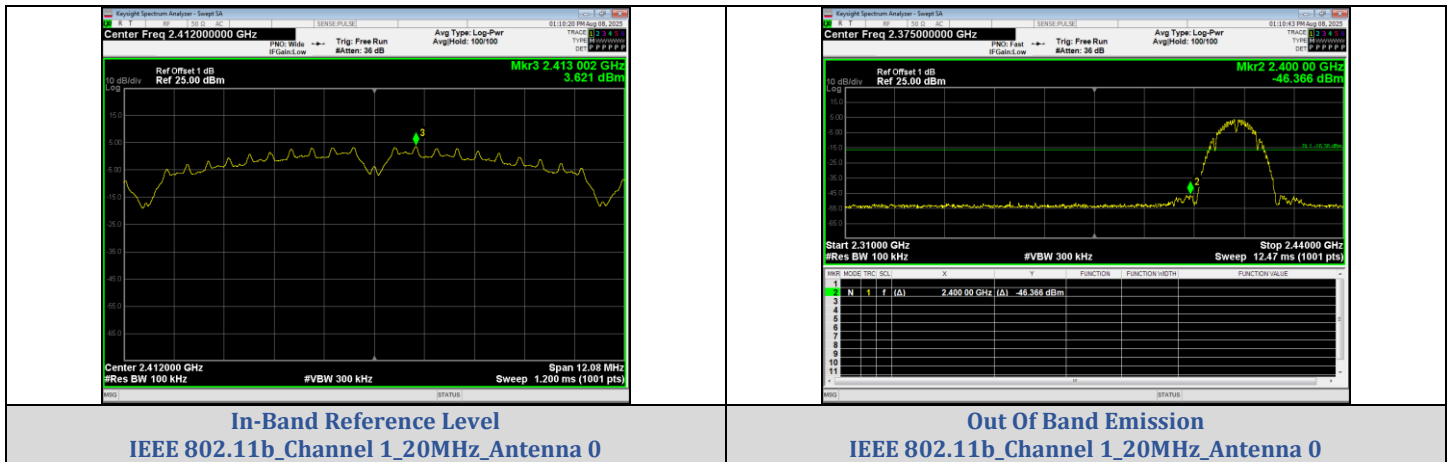
IEEE 802.11n Channel 6 40MHz_Antenna 0

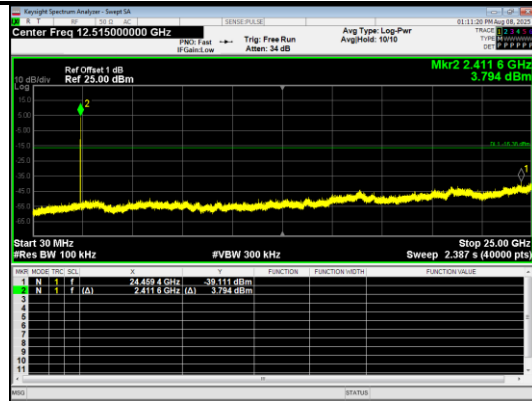


IEEE 802.11n Channel 9 40MHz_Antenna 0

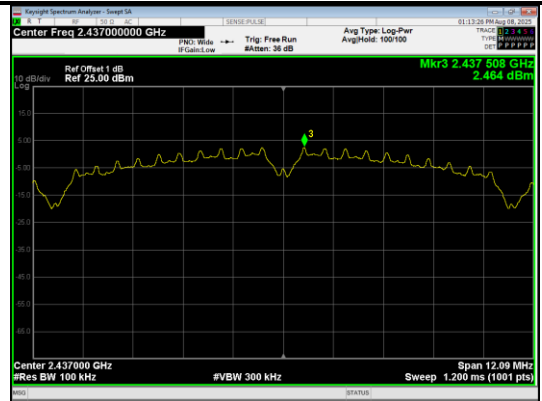
**Conducted Out Of Band Emission****Test Result**

Mode	Channel	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	
IEEE 802.11b	1	0	2400.00	-46.370	-16.38	-29.990	PASS	
	6		24459.4	-39.111	-16.38	-22.731	PASS	
			11	24933.2	-38.541	-17.54	-21.001	PASS
				2483.50	-52.900	-16.43	-36.470	PASS
				24450.0	-40.462	-16.43	-24.032	PASS
IEEE 802.11g	1			2400.00	-46.820	-25.75	-21.070	PASS
	6		24772.1	-40.406	-25.75	-14.656	PASS	
			11	24981.3	-40.308	-26.81	-13.498	PASS
				2483.50	-53.540	-25.98	-27.560	PASS
				24934.5	-39.904	-25.98	-13.924	PASS
IEEE 802.11n_20	1			2398.79	-48.496	-26.0	-22.496	PASS
	6		2400.00	-48.520	-26.0	-22.520	PASS	
			11	24993.1	-39.955	-26.0	-13.955	PASS
				24994.4	-39.962	-26.84	-13.122	PASS
				2483.50	-53.580	-26.53	-27.050	PASS
IEEE 802.11n_40	3			24969.4	-39.202	-26.53	-12.672	PASS
	6		2397.36	-48.039	-29.28	-18.759	PASS	
			9	2400.00	-50.150	-29.28	-20.870	PASS
				24312.7	-40.467	-29.28	-11.187	PASS
				24885.8	-40.169	-30.01	-10.159	PASS
2483.50	-52.030	-29.58		-22.450	PASS			
			24946.3	-40.243	-29.58	-10.663	PASS	

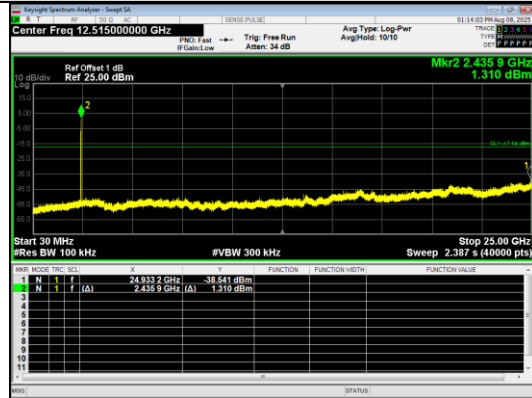
Test Graphs



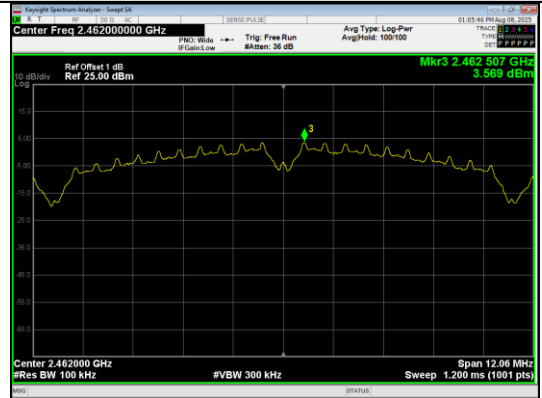
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 1_20MHz_Antenna 0



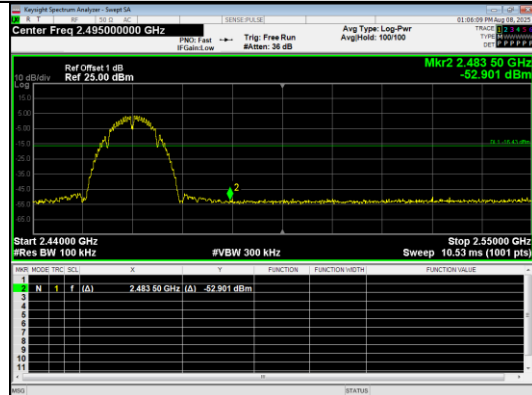
In-Band Reference Level
IEEE 802.11b_Channel 6_20MHz_Antenna 0



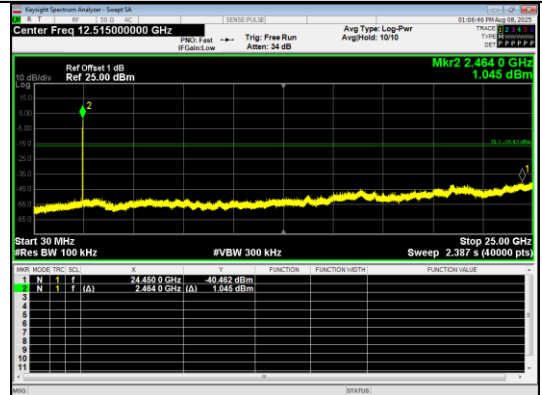
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 6_20MHz_Antenna 0



In-Band Reference Level
IEEE 802.11b_Channel 11_20MHz_Antenna 0



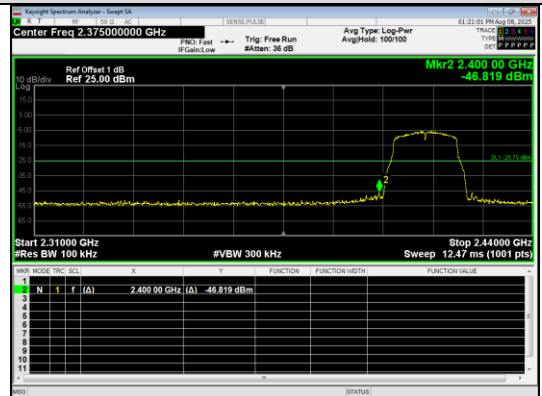
Out Of Band Emission
IEEE 802.11b_Channel 11_20MHz_Antenna 0



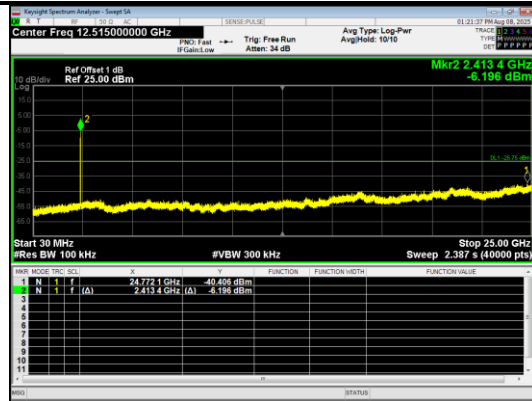
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 11_20MHz_Antenna 0



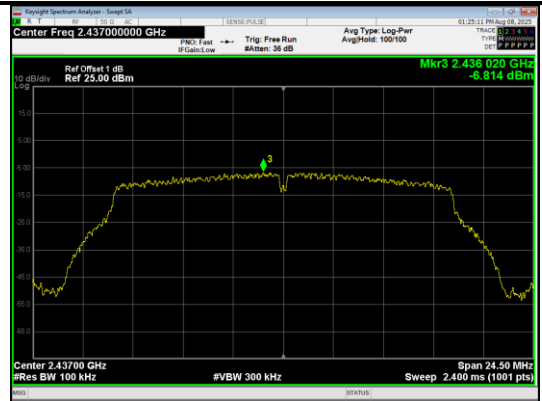
In-Band Reference Level
IEEE 802.11g_Channel 1_20MHz_Antenna 0



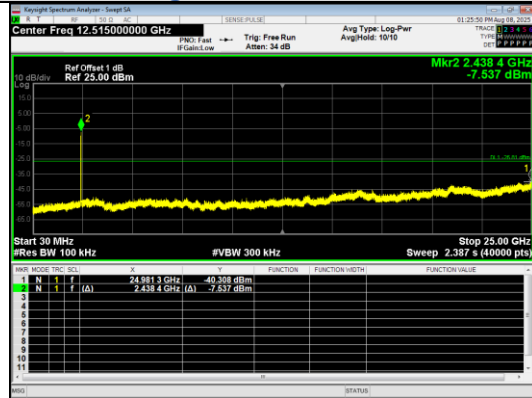
Out Of Band Emission
IEEE 802.11g_Channel 1_20MHz_Antenna 0



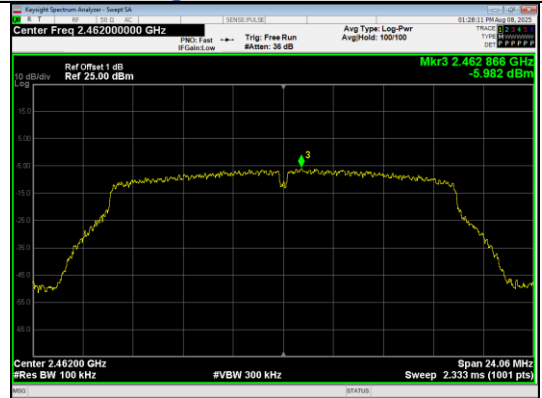
30.0 MHz - 25000.0 MHz
IEEE 802.11g_Channel 1_20MHz_Antenna 0



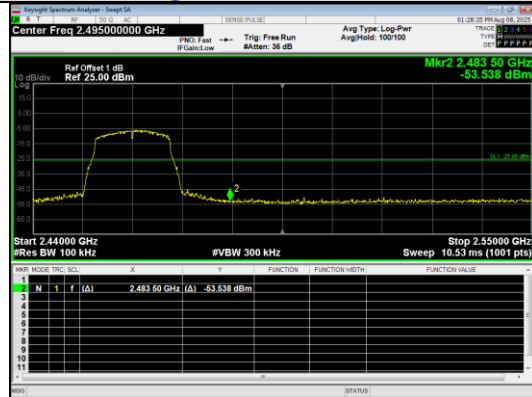
In-Band Reference Level
IEEE 802.11g_Channel 6_20MHz_Antenna 0



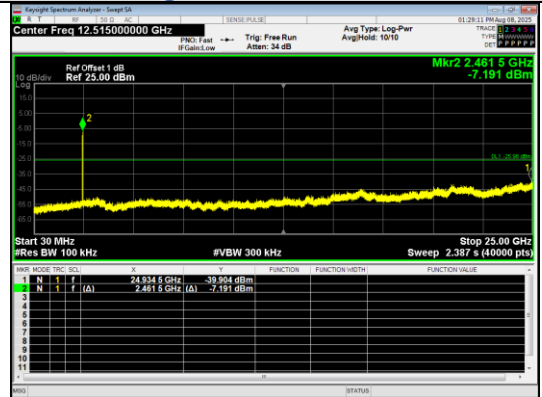
30.0 MHz - 25000.0 MHz
IEEE 802.11g_Channel 6_20MHz_Antenna 0



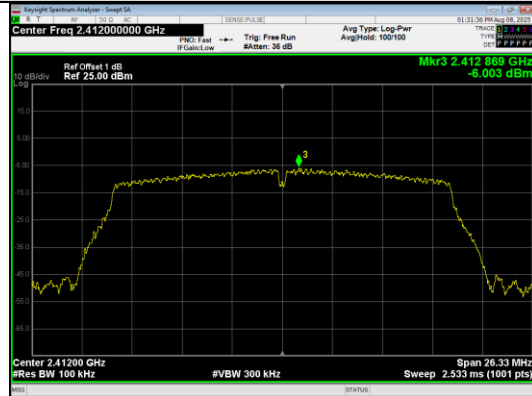
In-Band Reference Level
IEEE 802.11g_Channel 11_20MHz_Antenna 0



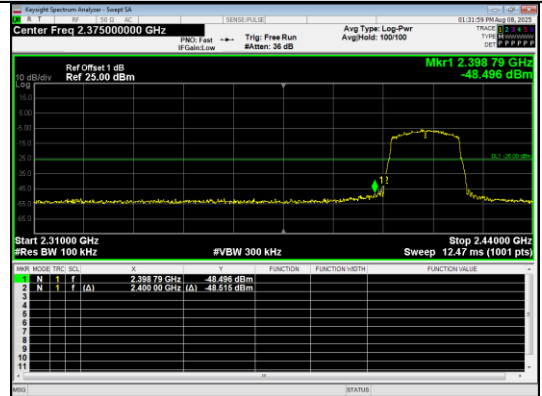
Out Of Band Emission
IEEE 802.11g_Channel 11_20MHz_Antenna 0



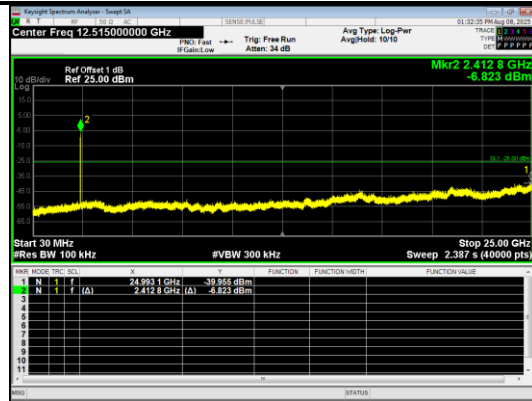
30.0 MHz - 25000.0 MHz
IEEE 802.11g_Channel 11_20MHz_Antenna 0



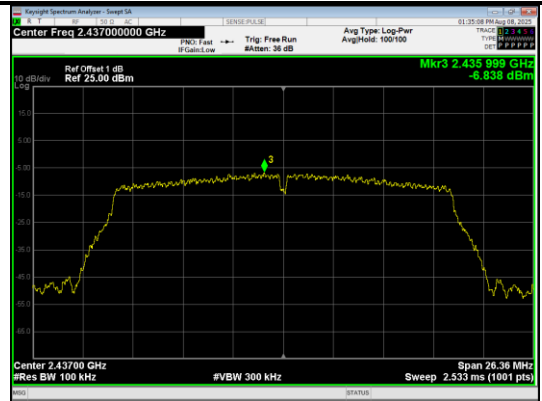
In-Band Reference Level
IEEE 802.11n_Channel 1_20MHz_Antenna 0



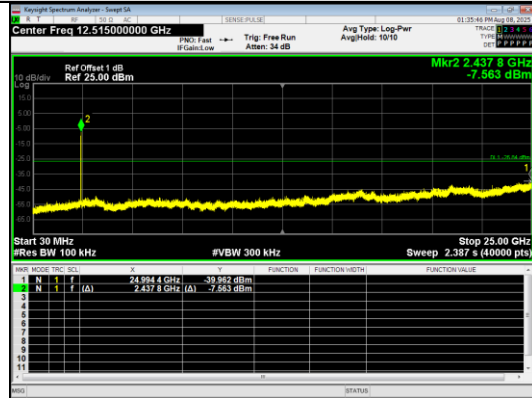
Out Of Band Emission
IEEE 802.11n_Channel 1_20MHz_Antenna 0



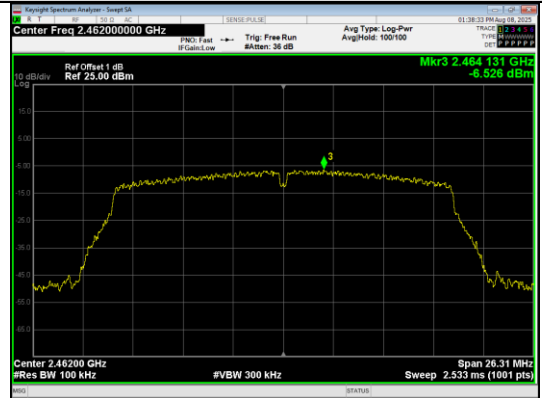
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 1_20MHz_Antenna 0



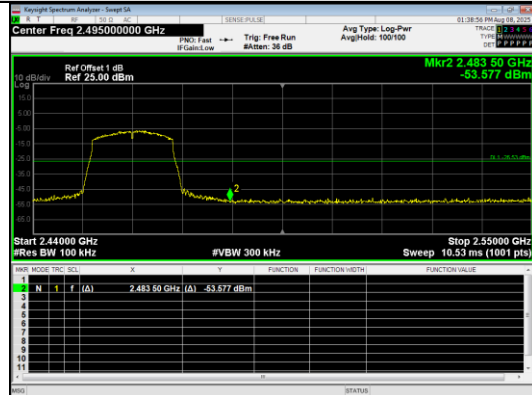
In-Band Reference Level
IEEE 802.11n_Channel 6_20MHz_Antenna 0



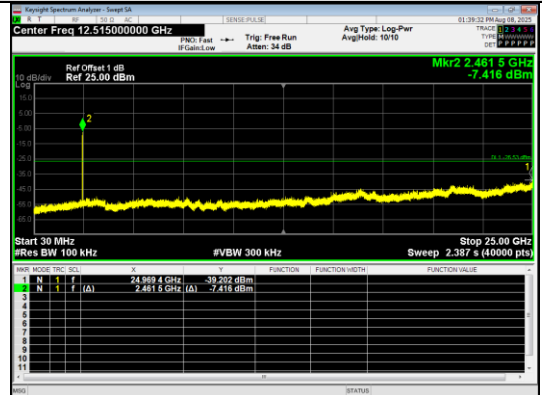
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 6_20MHz_Antenna 0



In-Band Reference Level
IEEE 802.11n_Channel 11_20MHz_Antenna 0



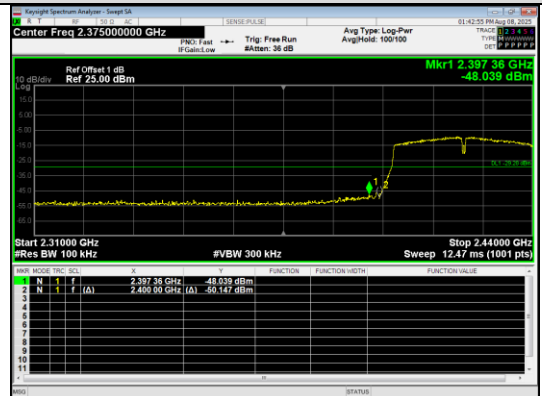
Out Of Band Emission
IEEE 802.11n_Channel 11_20MHz_Antenna 0



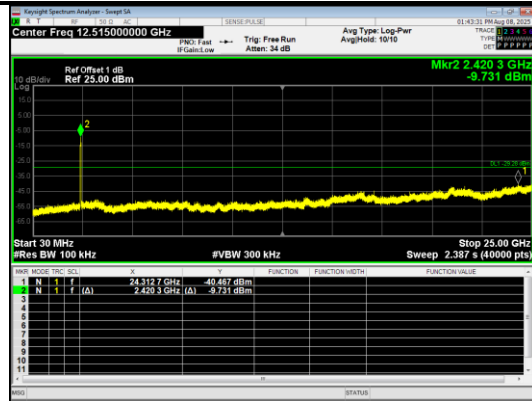
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 11_20MHz_Antenna 0



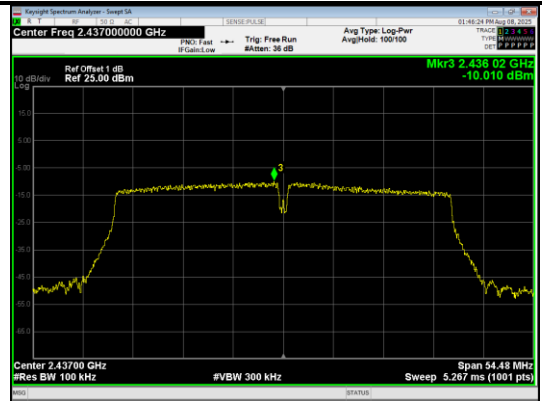
In-Band Reference Level
IEEE 802.11n_Channel 3_40MHz_Antenna 0



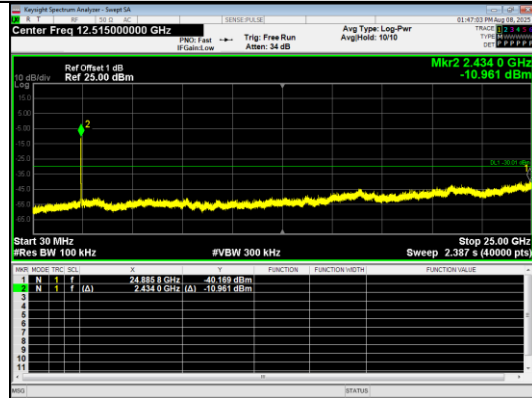
Out Of Band Emission
IEEE 802.11n_Channel 3_40MHz_Antenna 0



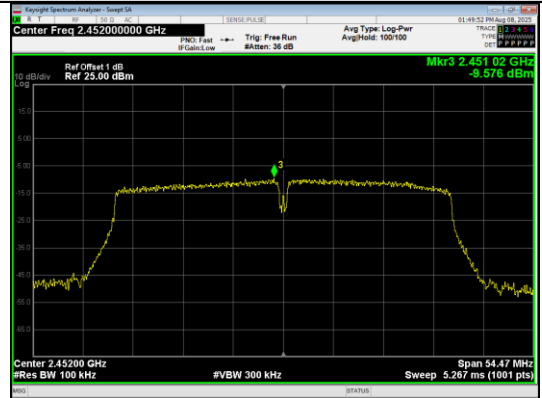
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 3_40MHz_Antenna 0



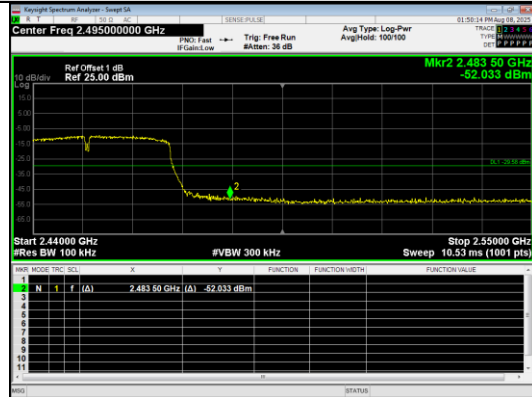
In-Band Reference Level
IEEE 802.11n_Channel 6_40MHz_Antenna 0



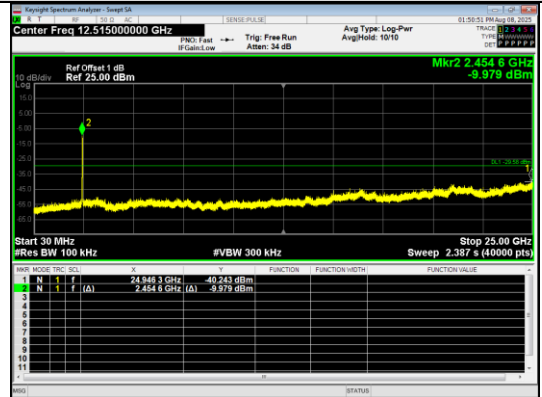
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 6_40MHz_Antenna 0



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

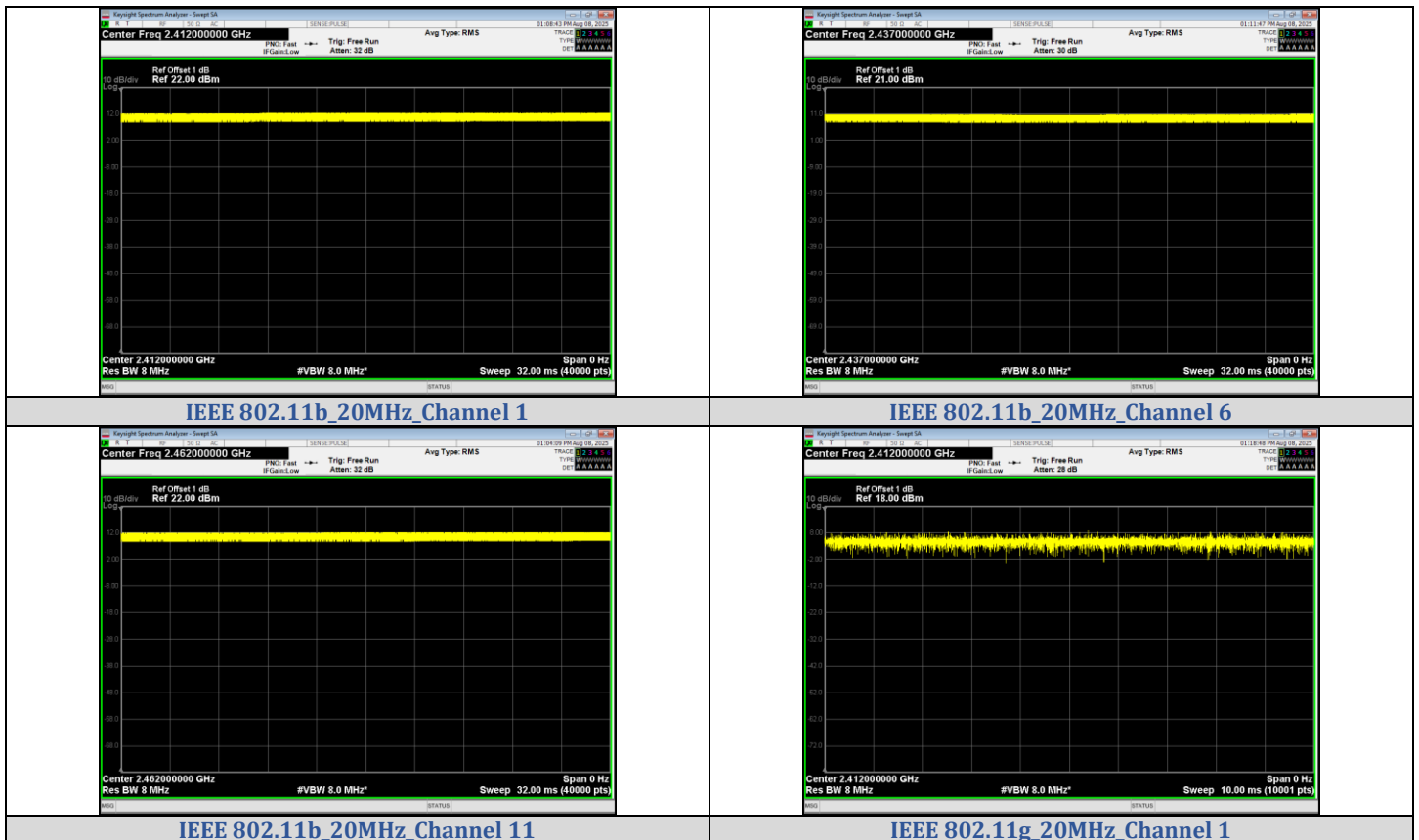


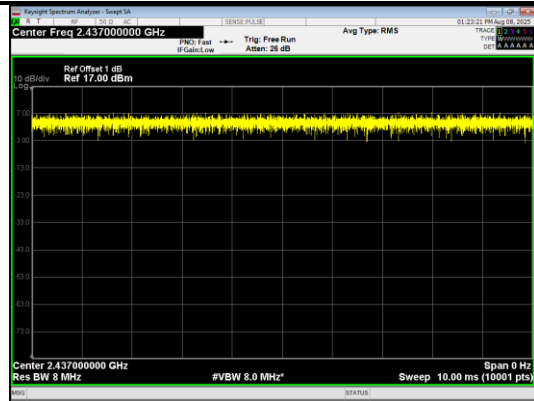
Duty Cycle

Test Result

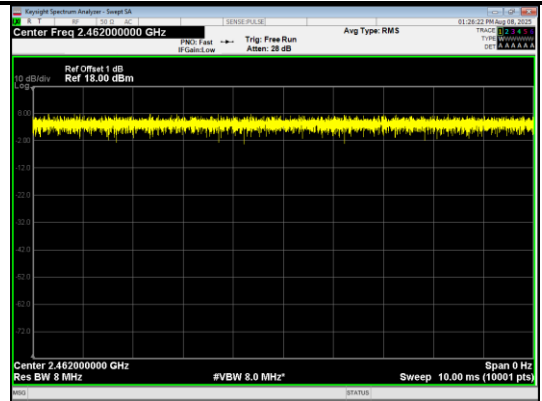
Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11b	1	1	1	32.000	32.000	100	1	0.0	0.0312
		6		32.000	32.000	100	1	0.0	0.0312
		11		32.000	32.000	100	1	0.0	0.0312
IEEE 802.11g		1		10.000	10.000	100	1	0.0	0.1000
		6		10.000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

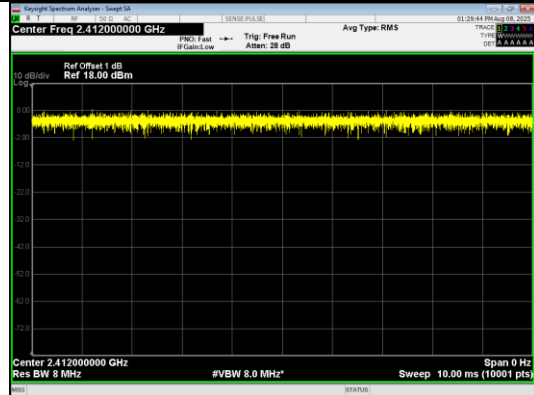




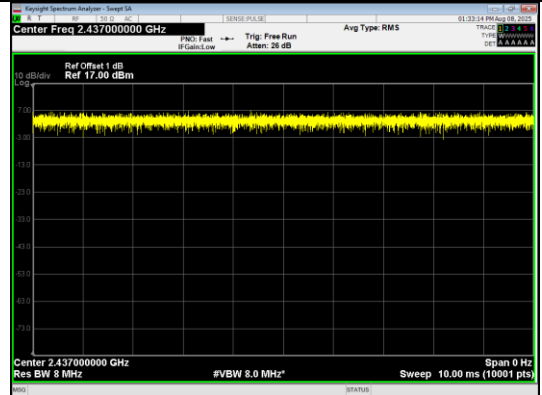
IEEE 802.11g 20MHz_Channel 6



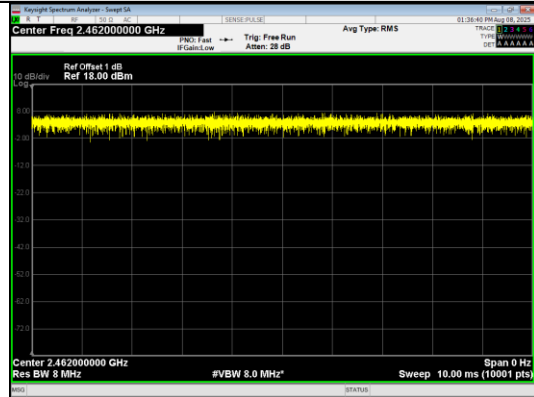
IEEE 802.11g 20MHz_Channel 11



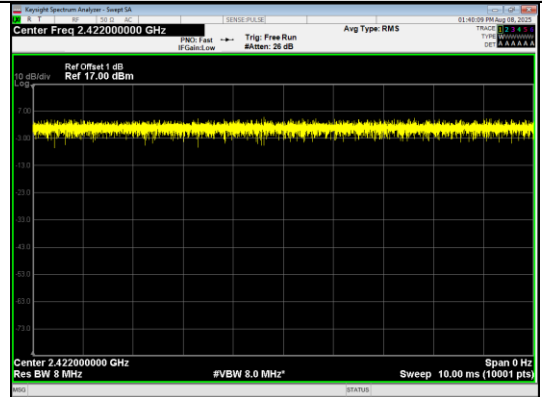
IEEE 802.11n 20MHz_Channel 1



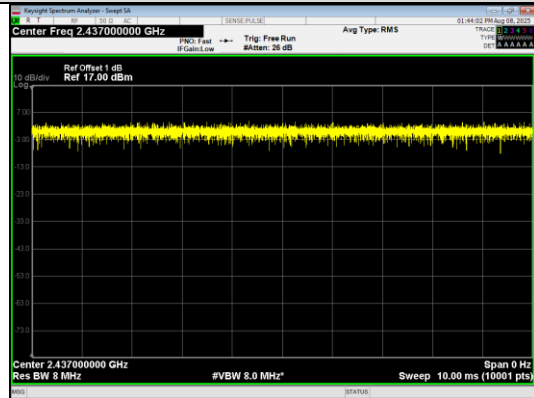
IEEE 802.11n 20MHz_Channel 6



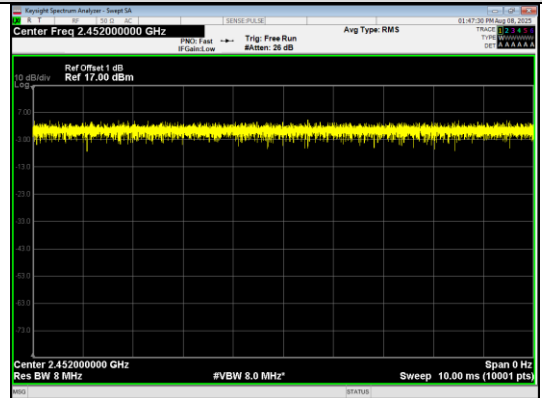
IEEE 802.11n 20MHz_Channel 11



IEEE 802.11n 40MHz_Channel 3



IEEE 802.11n 40MHz_Channel 6



IEEE 802.11n 40MHz_Channel 9



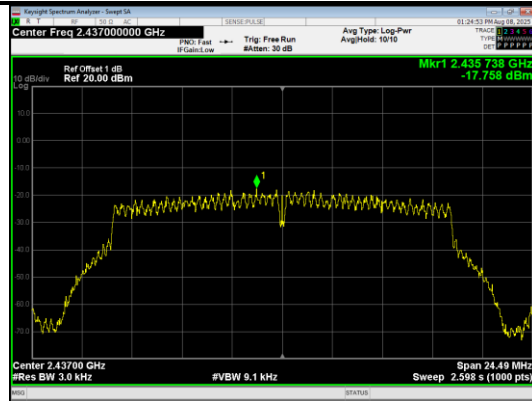
Power Spectral Density

Test Result

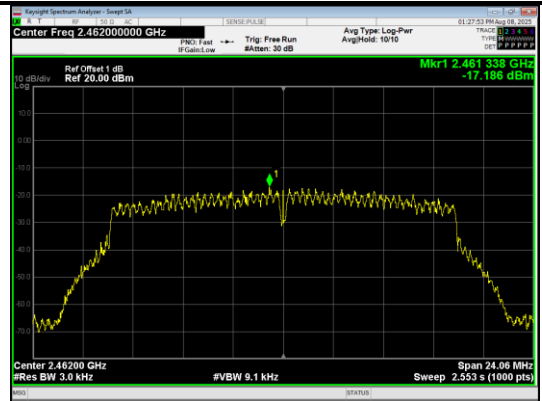
Mode	Channel	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
IEEE 802.11b	1	-9.960	≤8	PASS
	6	-11.350		PASS
	11	-10.360		PASS
IEEE 802.11g	1	-17.170		PASS
	6	-17.760		PASS
	11	-17.190		PASS
IEEE 802.11n_20	1	-17.360		PASS
	6	-16.460		PASS
	11	-17.540		PASS
IEEE 802.11n_40	3	-19.050		PASS
	6	-20.880		PASS
	9	-20.210		PASS

Test Graphs

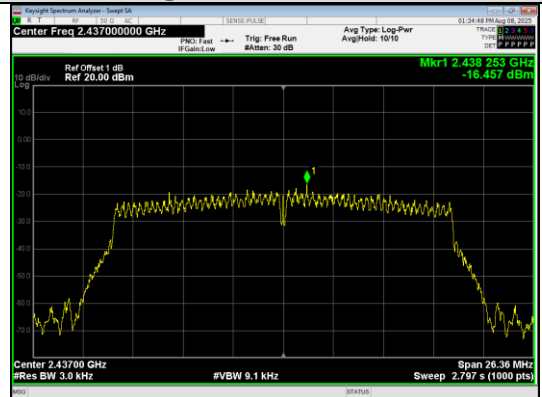
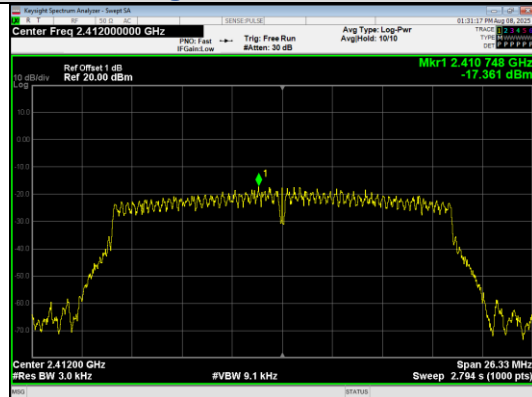




IEEE 802.11g Channel 6 20MHz Antenna 0

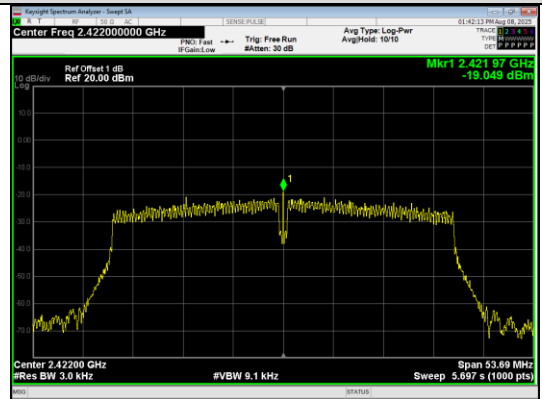
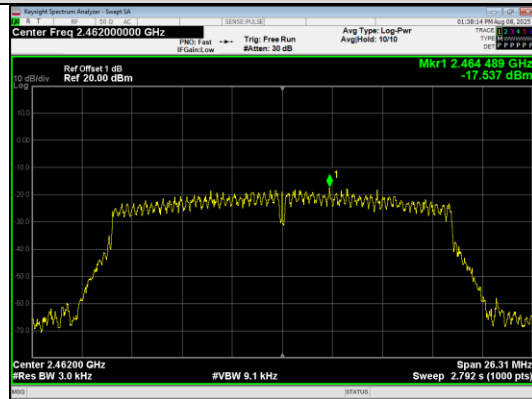


IEEE 802.11g Channel 11 20MHz Antenna 0



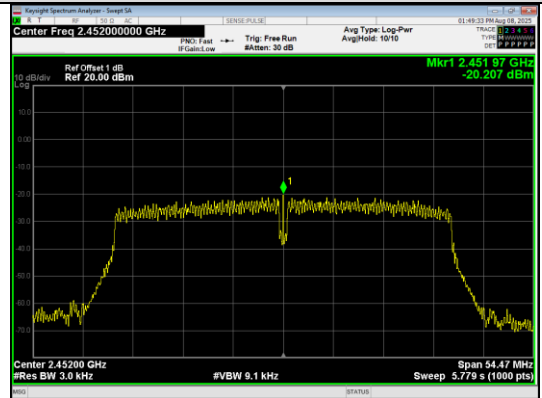
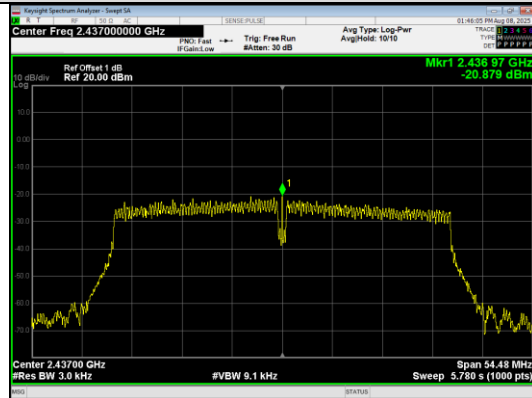
IEEE 802.11n Channel 1 20MHz Antenna 0

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