



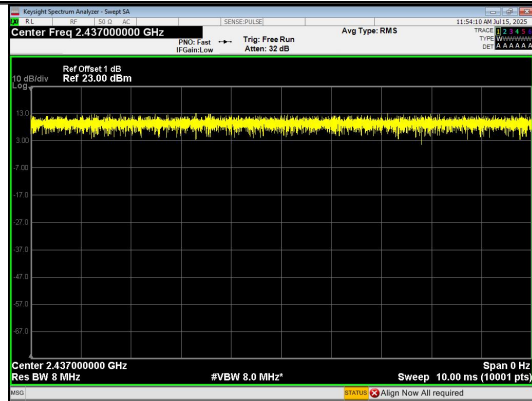
Duty Cycle

Test Result

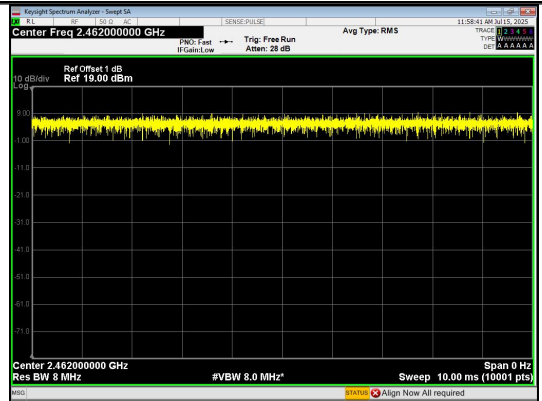
Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11b	1	1	1	32.000	32.000	100	1	0.0	0.0312
		6		32.000	32.000	100	1	0.0	0.0312
		11		32.000	32.000	100	1	0.0	0.0312
IEEE 802.11g		1		10.000	10.000	100	1	0.0	0.1000
		6		10.000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

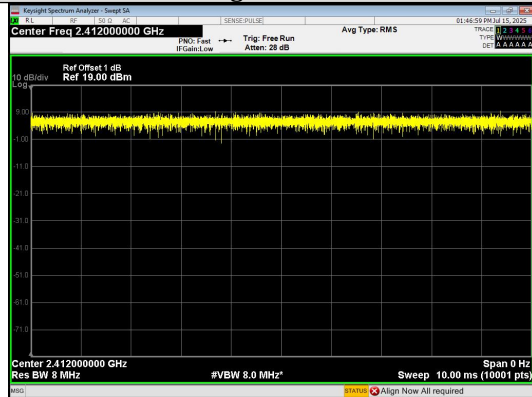




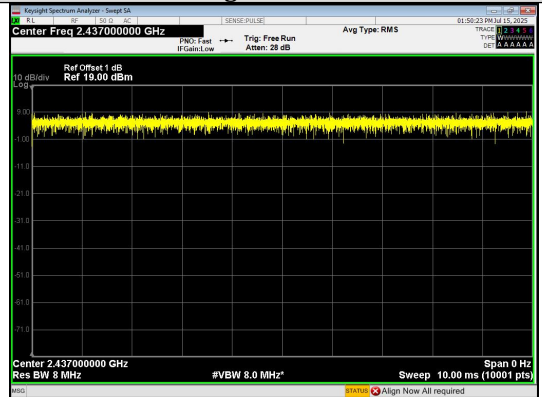
IEEE 802.11g_20MHz_Channel 6



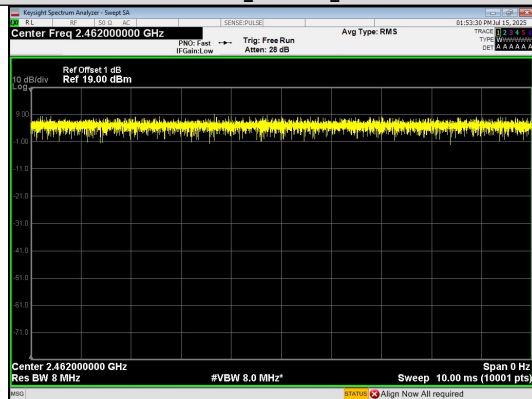
IEEE 802.11g_20MHz_Channel 11



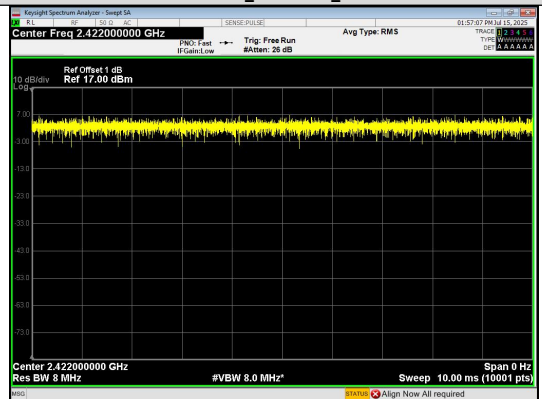
IEEE 802.11n_20MHz_Channel 1



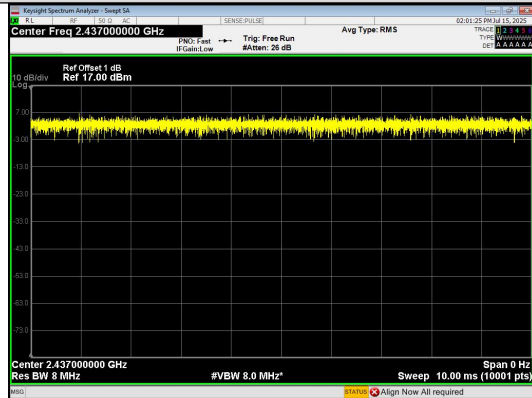
IEEE 802.11n_20MHz_Channel 6



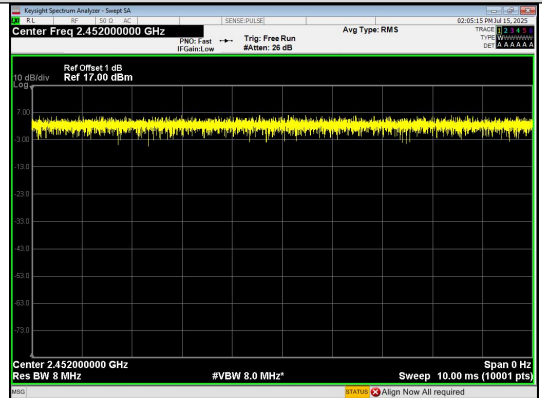
IEEE 802.11n_20MHz_Channel 11



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	14.63	≤30	PASS
	6	14.60	≤30	PASS
	11	14.59	≤30	PASS
IEEE 802.11g	1	15.44	≤30	PASS
	6	15.18	≤30	PASS
	11	15.20	≤30	PASS
IEEE 802.11n_20	1	15.58	≤30	PASS
	6	15.29	≤30	PASS
	11	15.03	≤30	PASS
IEEE 802.11n_40	3	15.78	≤30	PASS
	6	15.73	≤30	PASS
	9	15.50	≤30	PASS



Power Spectral Density

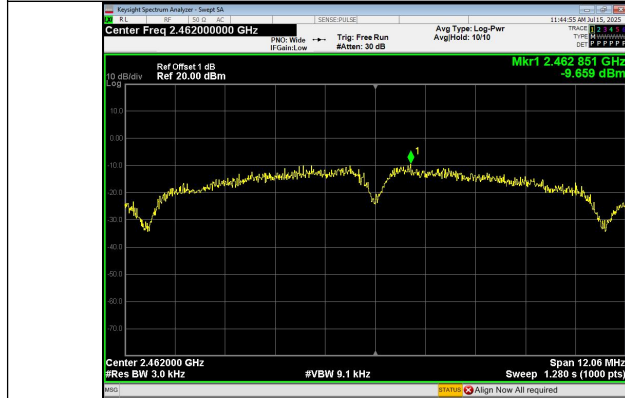
Test Result

Mode	Channel	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
IEEE 802.11b	1	-9.500	≤8	PASS
	6	-8.870		PASS
	11	-9.660		PASS
IEEE 802.11g	1	-16.340		PASS
	6	-12.350		PASS
	11	-16.340		PASS
IEEE 802.11n_20	1	-16.680		PASS
	6	-16.410		PASS
	11	-16.410		PASS
IEEE 802.11n_40	3	-17.780		PASS
	6	-18.860		PASS
	9	-18.750		PASS

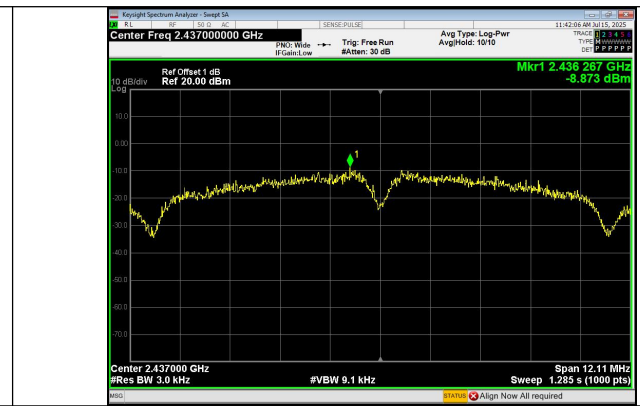
Test Graphs



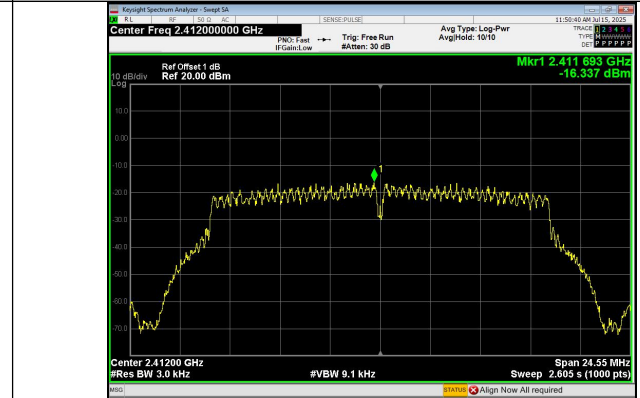
IEEE 802.11b_Channel 1_20MHz_Antenna 0



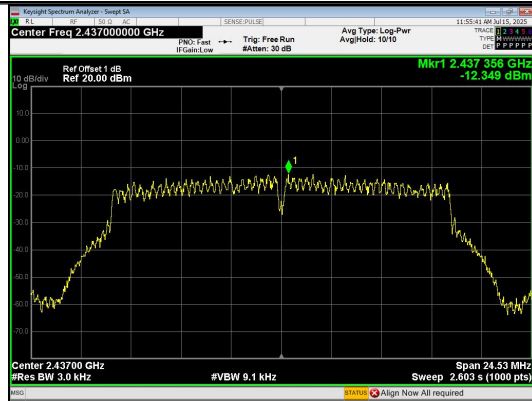
IEEE 802.11b_Channel 11_20MHz_Antenna 0



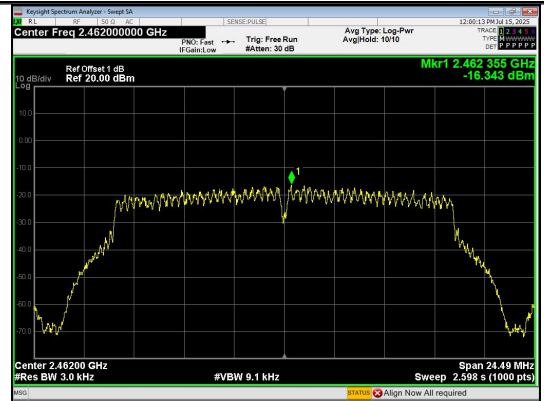
IEEE 802.11b_Channel 6_20MHz_Antenna 0



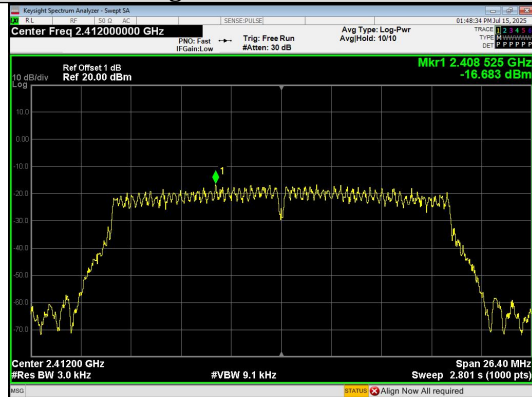
IEEE 802.11g_Channel 1_20MHz_Antenna 0



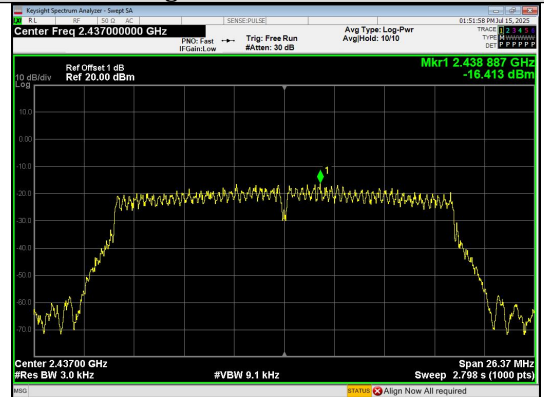
IEEE 802.11g_Channel 6_20MHz_Antenna 0



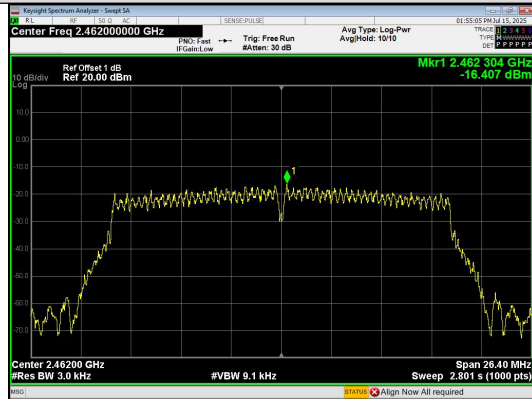
IEEE 802.11g_Channel 11_20MHz_Antenna 0



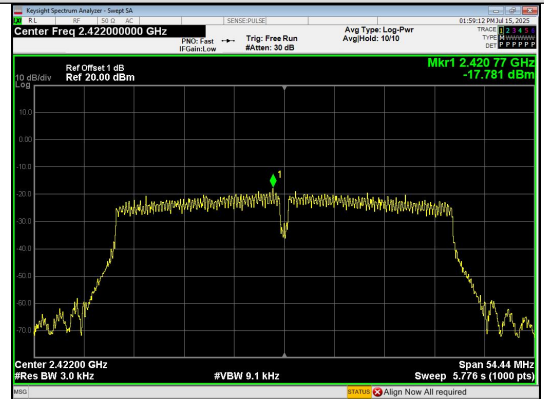
IEEE 802.11n_Channel 1_20MHz_Antenna 0



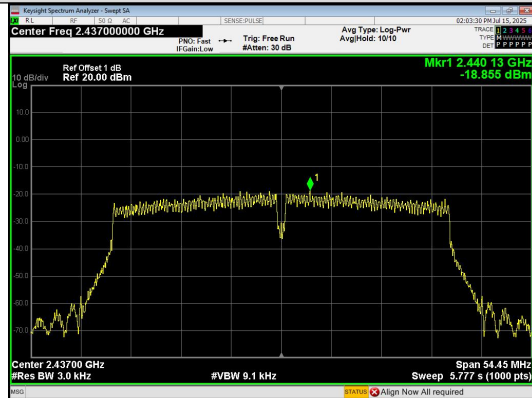
IEEE 802.11n_Channel 6_20MHz_Antenna 0



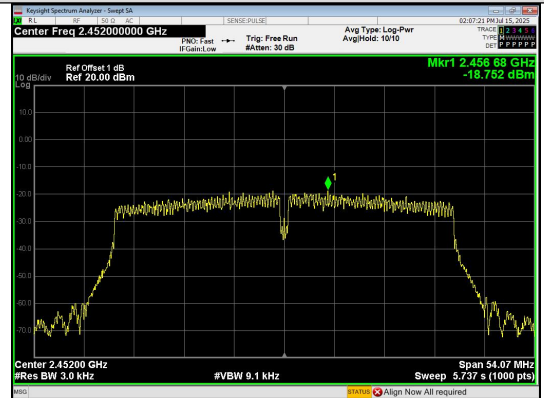
IEEE 802.11n_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 3_40MHz_Antenna 0



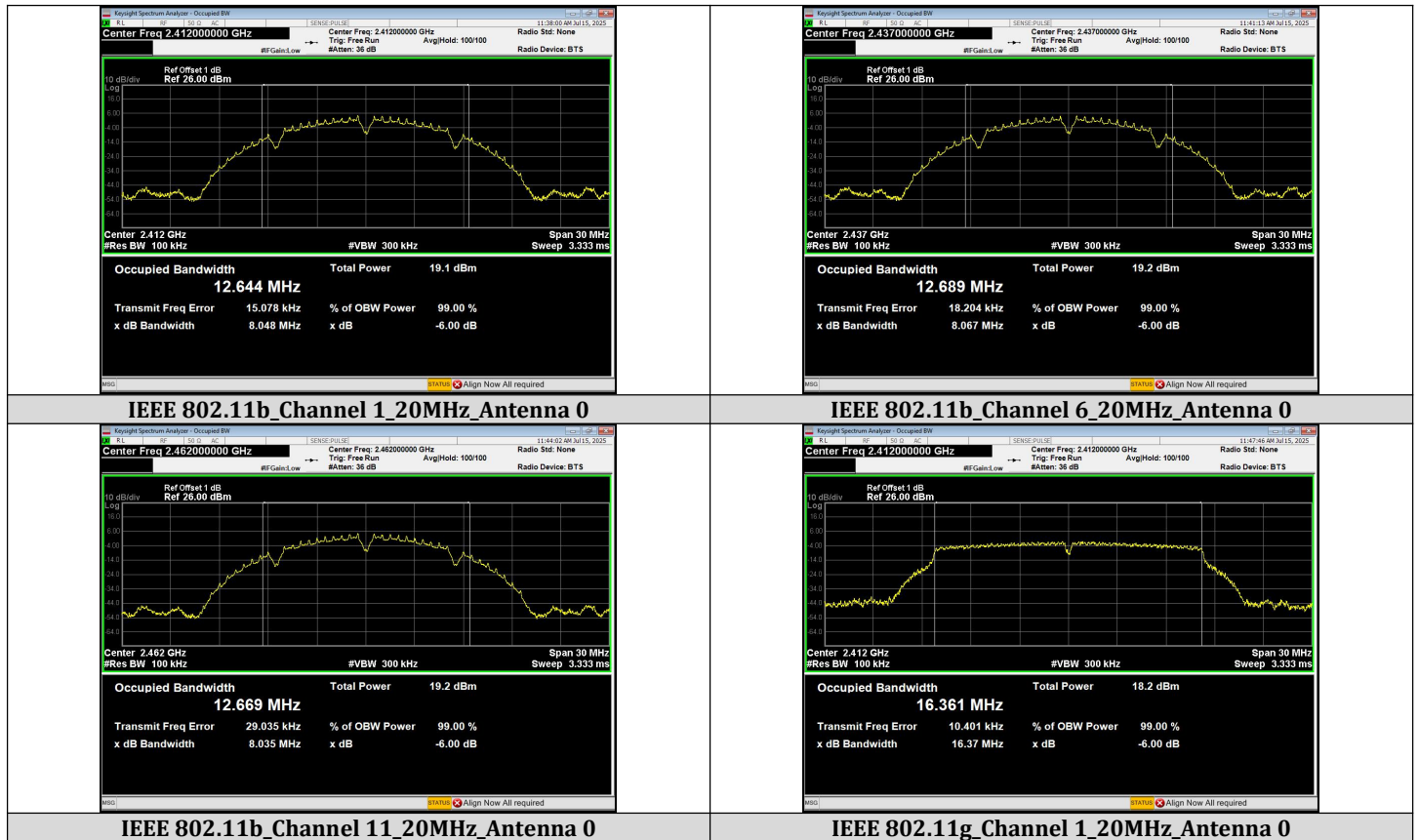
IEEE 802.11n_Channel 6_40MHz_Antenna 0

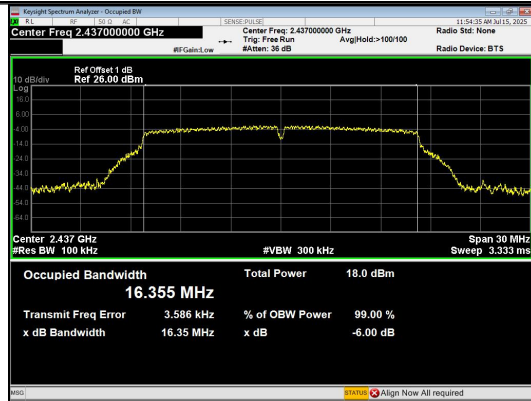


IEEE 802.11n_Channel 9_40MHz_Antenna 0

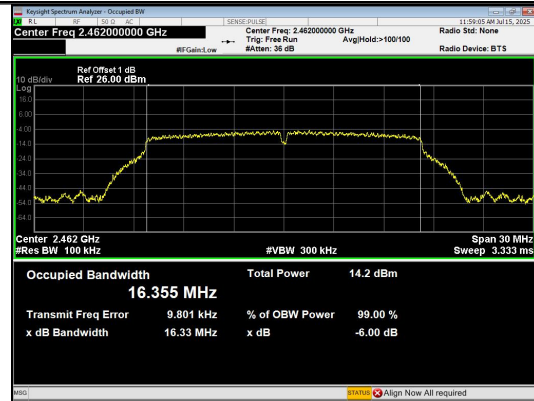
**6dB Bandwidth****Test Result**

Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11b	1	0	2412	8.050	≥0.5	PASS
	6		2437	8.070		PASS
	11		2462	8.040		PASS
IEEE 802.11g	1		2412	16.37		PASS
	6		2437	16.35		PASS
	11		2462	16.33		PASS
IEEE 802.11n_20	1		2412	17.60		PASS
	6		2437	17.58		PASS
	11		2462	17.60		PASS
IEEE 802.11n_40	3		2422	36.29		PASS
	6		2437	36.30		PASS
	9		2452	36.05		PASS

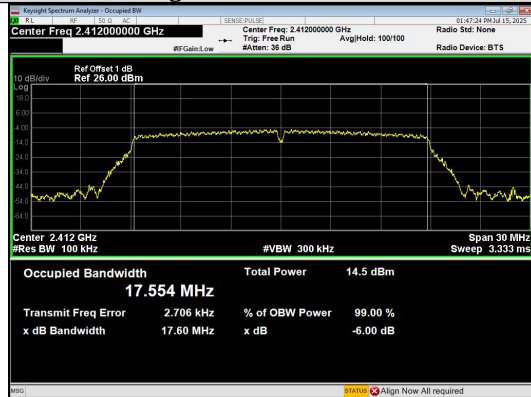
Test Graphs



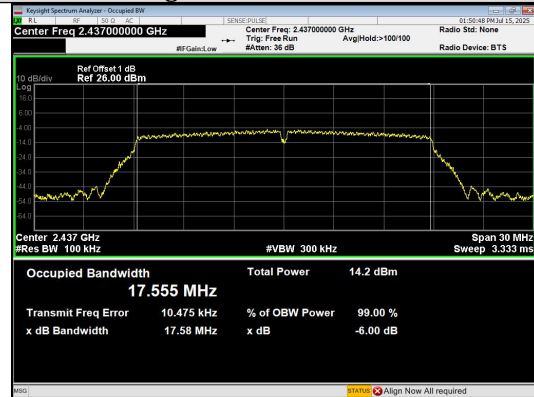
IEEE 802.11g_Channel 6_20MHz_Antenna 0



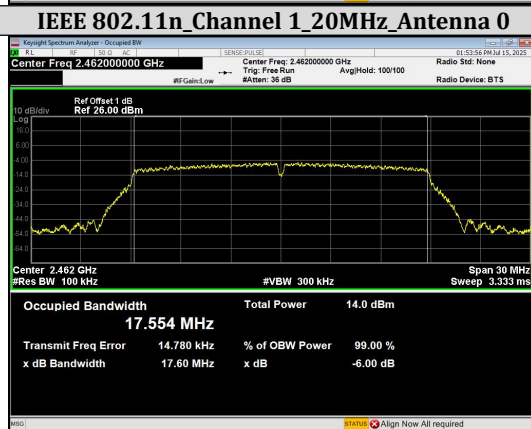
IEEE 802.11g_Channel 11_20MHz_Antenna 0



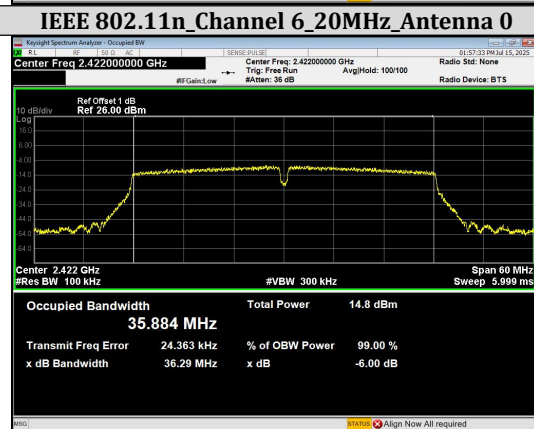
IEEE 802.11n_Channel 1_20MHz_Antenna 0



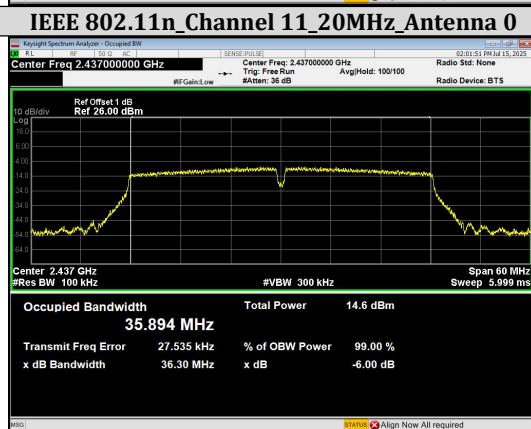
IEEE 802.11n_Channel 6_20MHz_Antenna 0



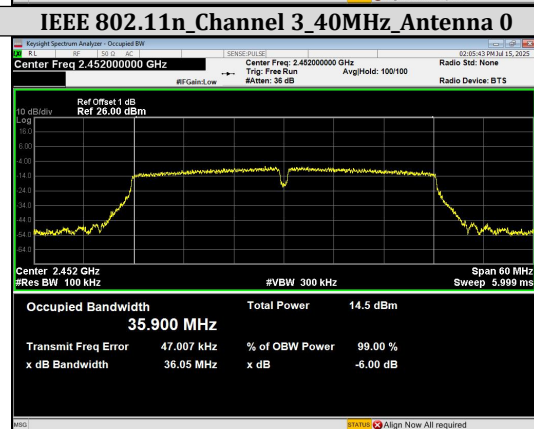
IEEE 802.11n_Channel 1_20MHz_Antenna 0



IEEE 802.11n_Channel 6_20MHz_Antenna 0



IEEE 802.11n_Channel 11_20MHz_Antenna 0



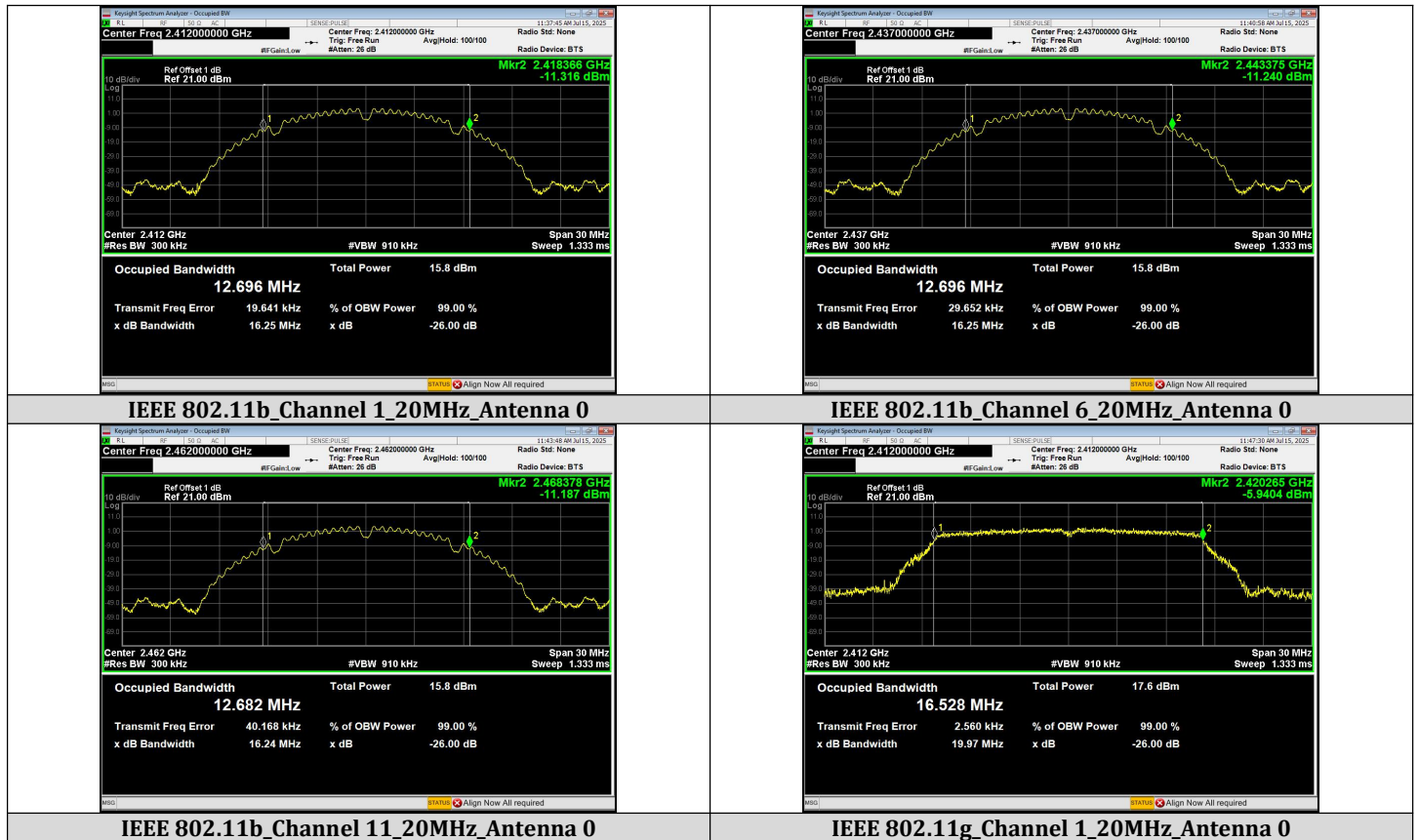
IEEE 802.11n_Channel 3_40MHz_Antenna 0

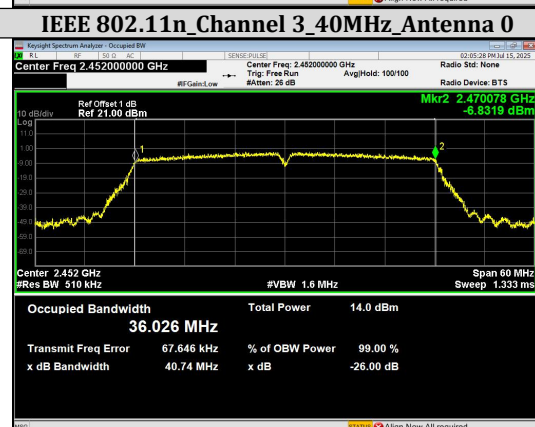
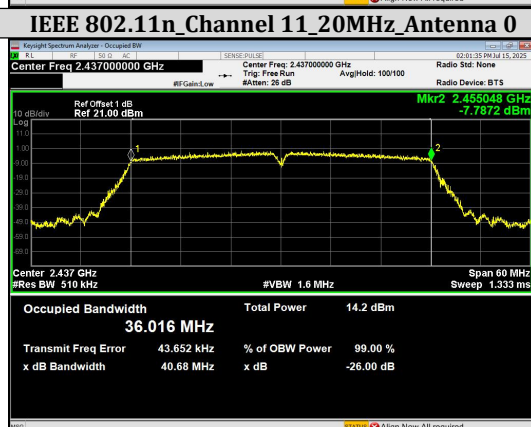
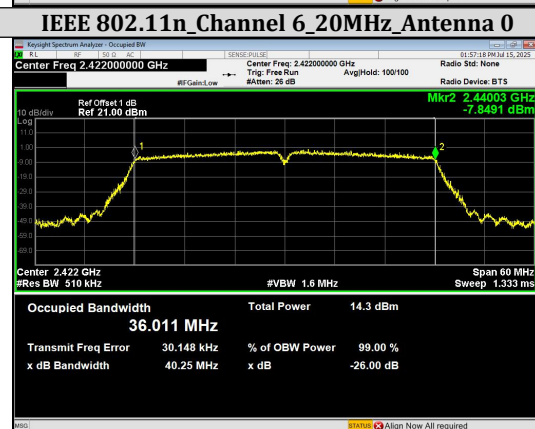
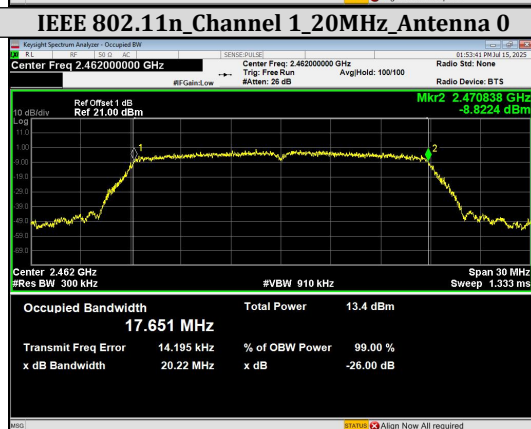
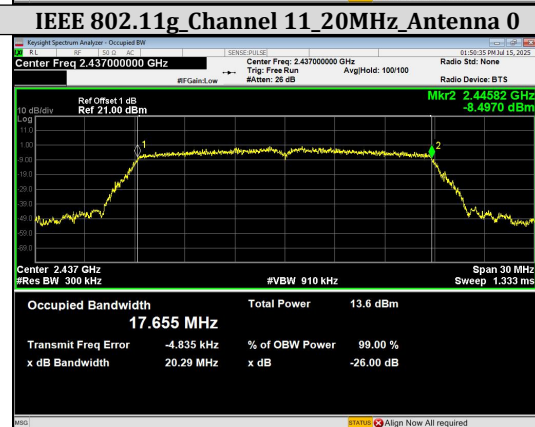
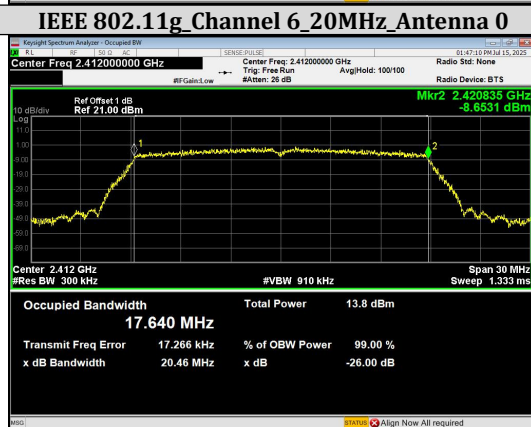
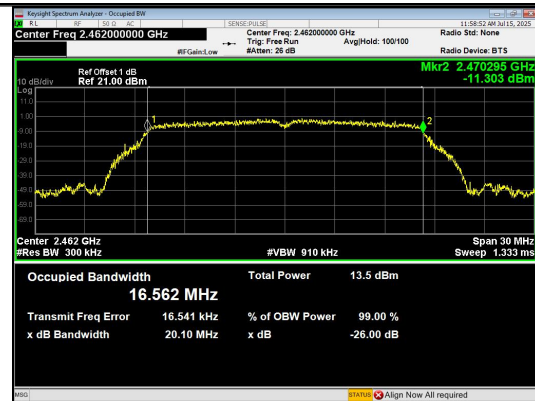
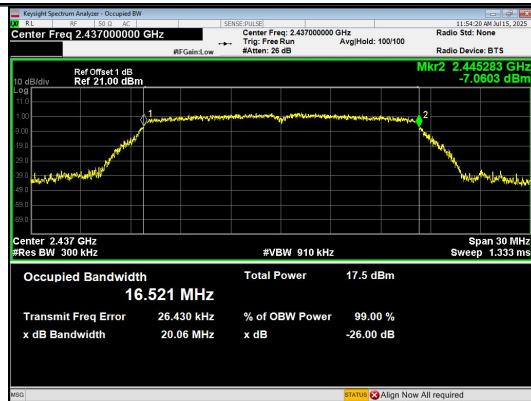
IEEE 802.11n_Channel 6_40MHz_Antenna 0

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	12.696
	6		2437	12.696
	11		2462	12.682
IEEE 802.11g	1		2412	16.528
	6		2437	16.521
	11		2462	16.562
IEEE 802.11n_20	1		2412	17.640
	6		2437	17.655
	11		2462	17.651
IEEE 802.11n_40	3		2422	36.011
	6		2437	36.016
	9		2452	36.026

Test Graphs



IEEE 802.11n_Channel 6_40MHz_Antenna 0

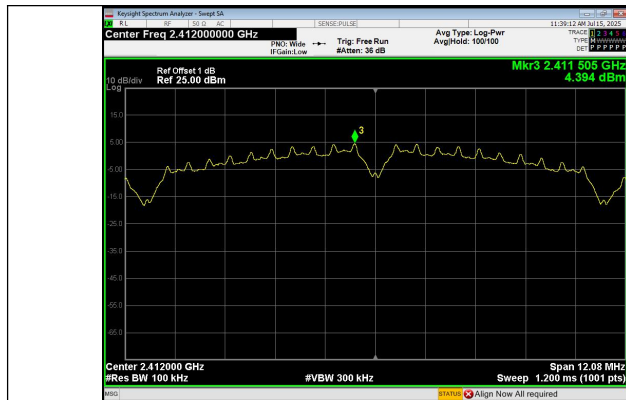
IEEE 802.11n_Channel 9_40MHz_Antenna 0

Conducted Out Of Band Emission

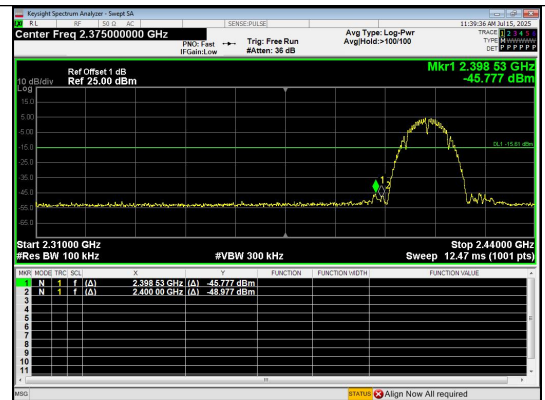
Test Result

Mode	Channel	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	
IEEE 802.11b	1	0	2398.53	-45.777	-15.61	-30.167	PASS	
			2400.00	-48.980	-15.61	-33.370	PASS	
			24988.1	-39.578	-15.61	-23.968	PASS	
	6		24357.0	-39.709	-15.81	-23.899	PASS	
			11	2483.50	-53.450	-15.54	-37.910	PASS
				24997.5	-39.898	-15.54	-24.358	PASS
IEEE 802.11g	1			2400.00	-47.030	-24.59	-22.440	PASS
			24964.4	-40.492	-24.59	-15.902	PASS	
			24988.1	-38.756	-21.12	-17.636	PASS	
	6		2483.50	-52.950	-25.0	-27.950	PASS	
			11	24842.7	-39.883	-25.0	-14.883	PASS
				2400.00	-47.020	-24.93	-22.090	PASS
IEEE 802.11n_20	1			24944.4	-38.979	-24.93	-14.049	PASS
			24997.5	-39.778	-24.9	-14.878	PASS	
			2483.50	-52.200	-25.3	-26.900	PASS	
	6		24984.4	-40.263	-25.3	-14.963	PASS	
			11	2397.88	-46.505	-27.93	-18.575	PASS
				2400.00	-50.670	-27.93	-22.740	PASS
IEEE 802.11n_40	3			24912.6	-39.817	-27.93	-11.887	PASS
			6	24922.6	-38.951	-27.42	-11.531	PASS
				2483.50	-51.500	-27.57	-23.930	PASS
	9			24957.5	-39.923	-27.57	-12.353	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