

Maximum Peak Conducted Output Power

Test Result

Maximum Peak Conducted Output Power

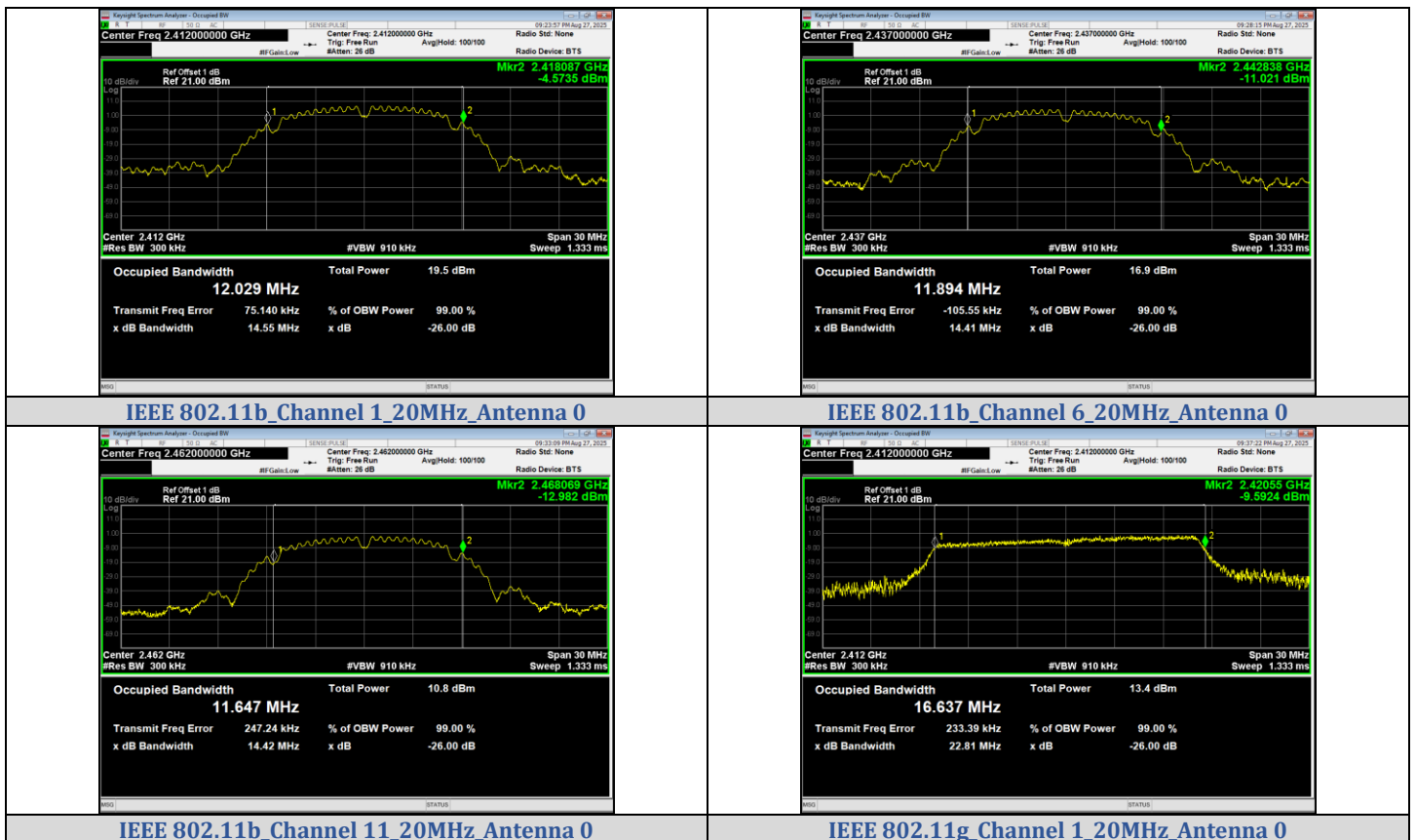
Mode	Channel	Ant. 0 (dBm)	Total (dBm)	Limit (dBm)	Result
IEEE 802.11b	1	8.35	N/A	≤30	PASS
	6	8.69	N/A	≤30	PASS
	11	8.93	N/A	≤30	PASS
IEEE 802.11g	1	8.39	N/A	≤30	PASS
	6	8.67	N/A	≤30	PASS
	11	8.88	N/A	≤30	PASS
IEEE 802.11n_20	1	8.45	N/A	≤30	PASS
	6	8.61	N/A	≤30	PASS
	11	8.31	N/A	≤30	PASS
IEEE 802.11n_40	3	8.14	N/A	≤30	PASS
	6	8.91	N/A	≤30	PASS
	9	8.78	N/A	≤30	PASS

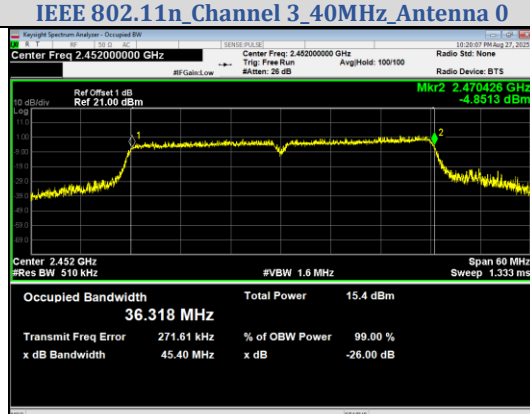
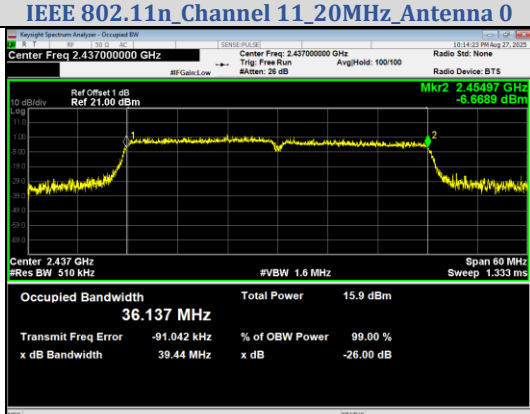
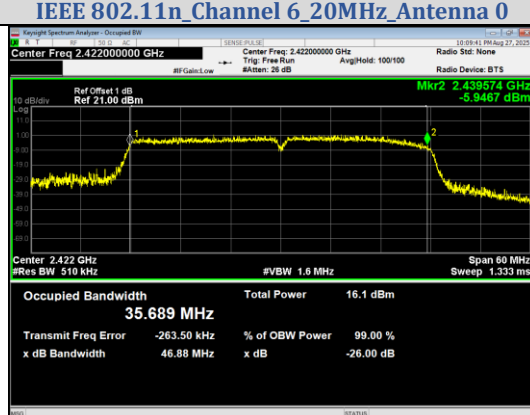
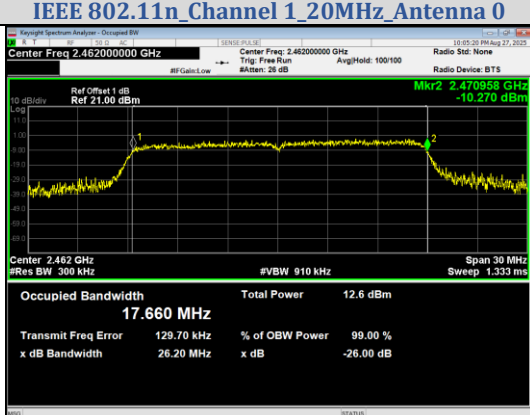
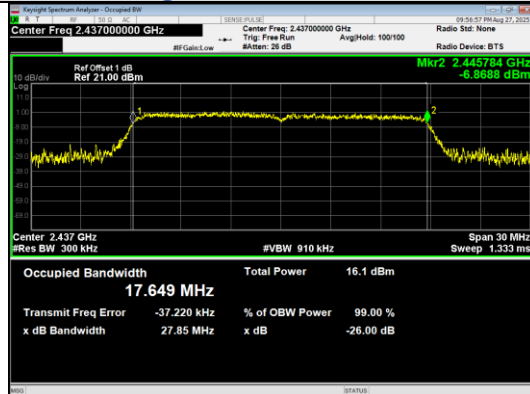
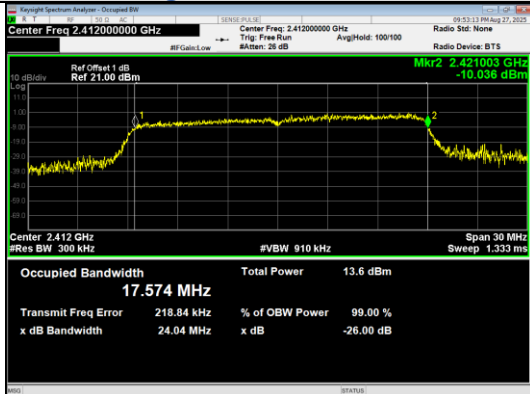
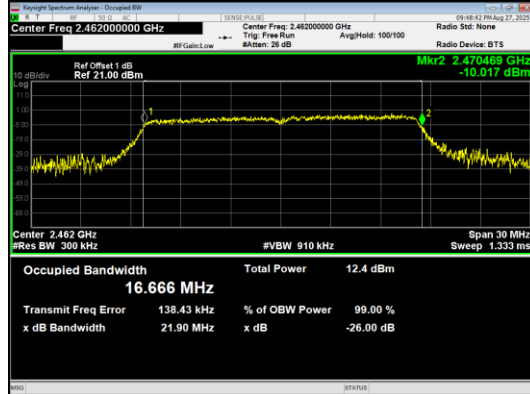
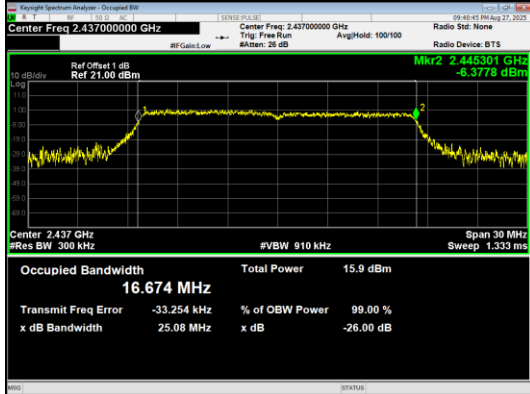


99% Bandwidth Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11b	1	0	2412	12.029
	6		2437	11.894
	11		2462	11.647
IEEE 802.11g	1		2412	16.637
	6		2437	16.674
	11		2462	16.666
IEEE 802.11n_20	1		2412	17.574
	6		2437	17.649
	11		2462	17.660
IEEE 802.11n_40	3		2422	35.689
	6		2437	36.137
	9		2452	36.318

Test Graphs





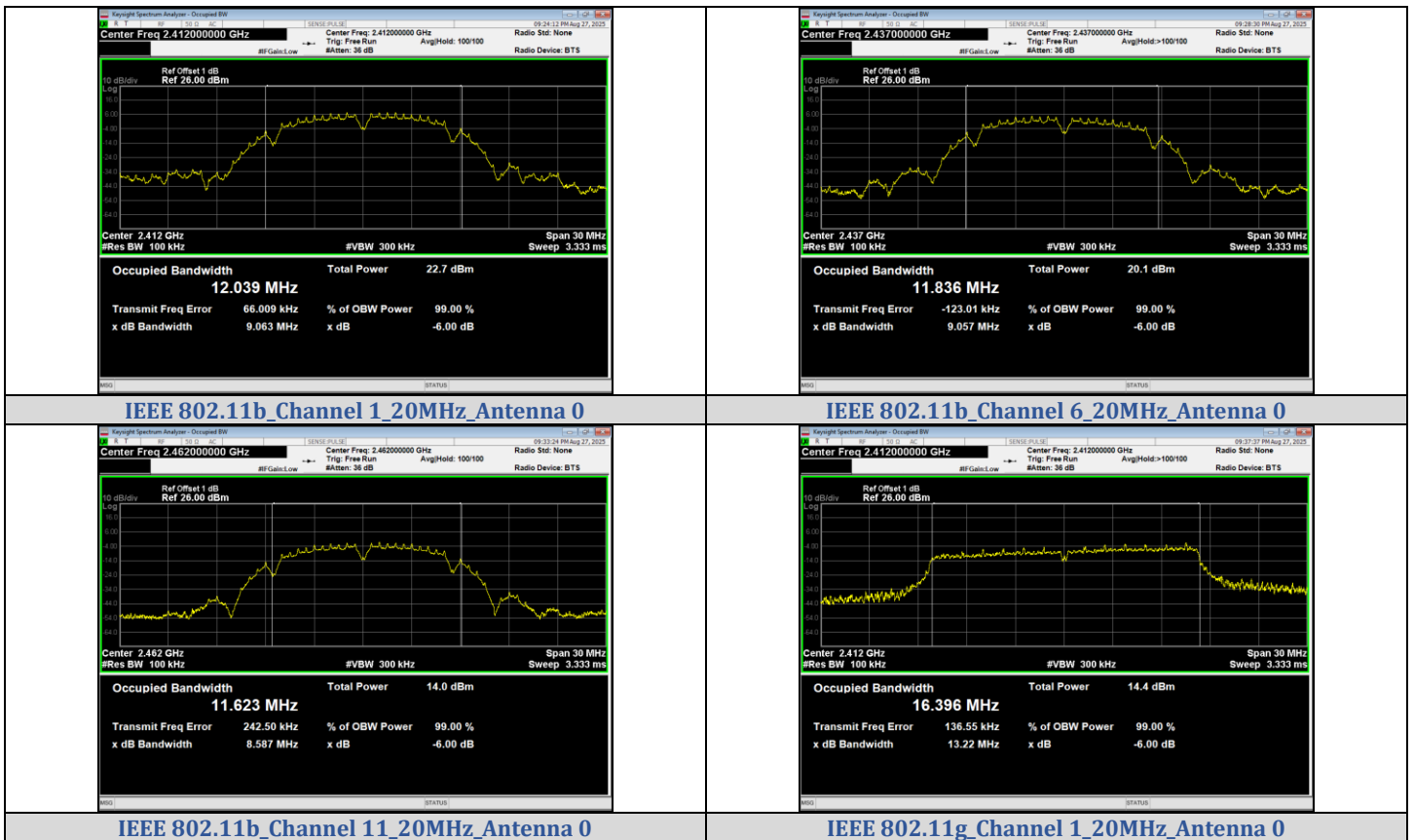
IEEE 802.11n_Channel 6_40MHz_Antenna 0

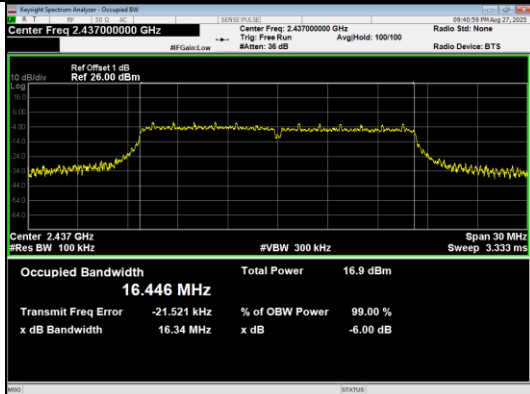
IEEE 802.11n_Channel 9_40MHz_Antenna 0

6dB Bandwidth Test Result

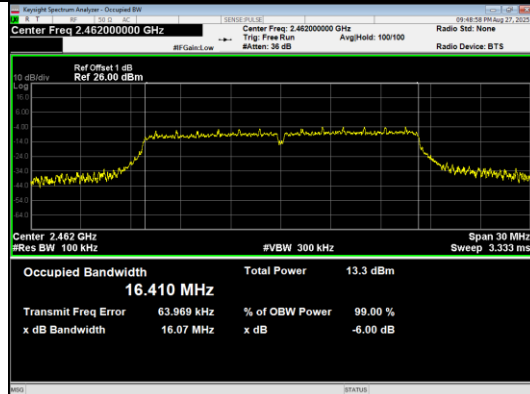
Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11b	1	0	2412	9.060	≥0.5	PASS
	6		2437	9.060		PASS
	11		2462	8.590		PASS
IEEE 802.11g	1		2412	13.22		PASS
	6		2437	16.34		PASS
	11		2462	16.07		PASS
IEEE 802.11n_20	1		2412	16.29		PASS
	6		2437	17.22		PASS
	11		2462	16.34		PASS
IEEE 802.11n_40	3		2422	34.24		PASS
	6		2437	35.63		PASS
	9		2452	34.54		PASS

Test Graphs

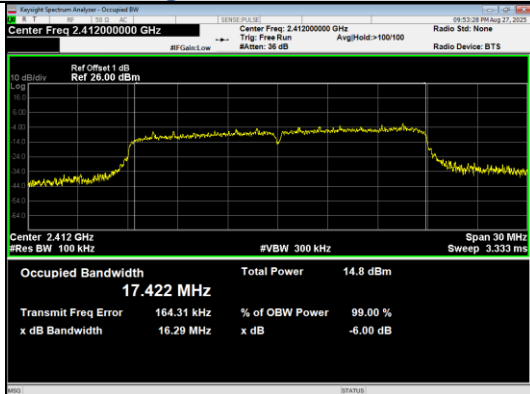




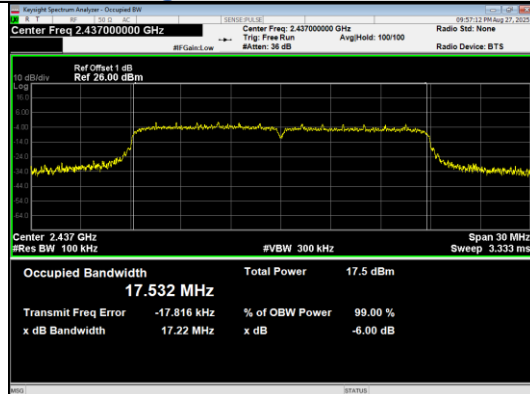
IEEE 802.11g_Channel 6_20MHz_Antenna 0



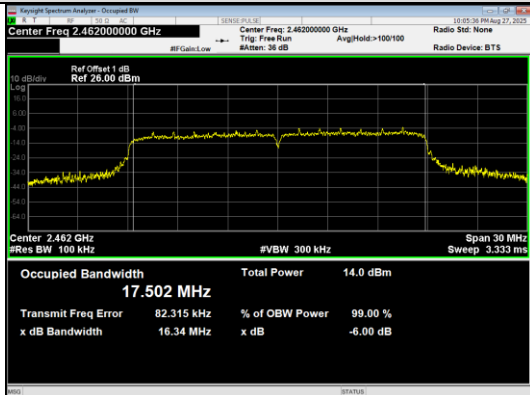
IEEE 802.11g_Channel 11_20MHz_Antenna 0



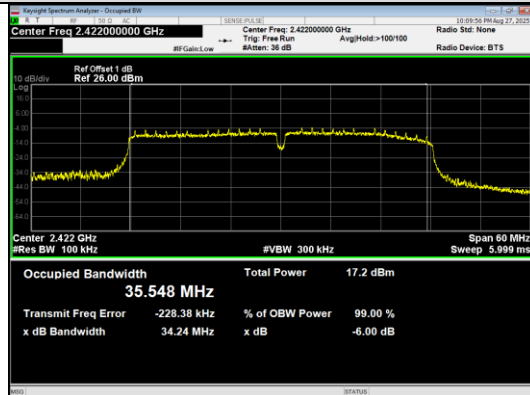
IEEE 802.11n_Channel 1_20MHz_Antenna 0



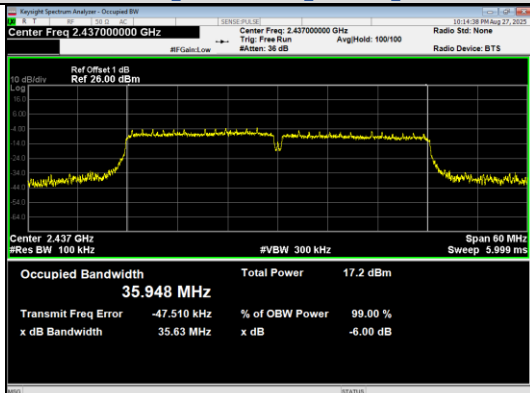
IEEE 802.11n_Channel 6_20MHz_Antenna 0



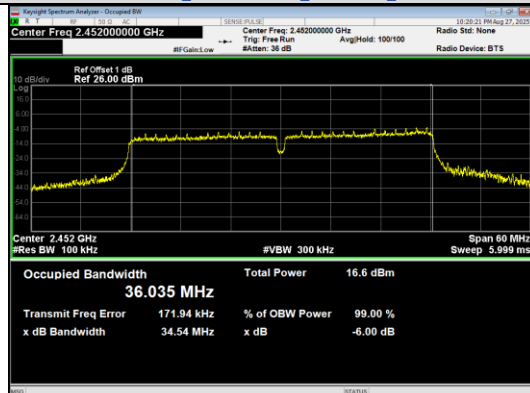
IEEE 802.11n_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 3_40MHz_Antenna 0



IEEE 802.11n_Channel 6_40MHz_Antenna 0

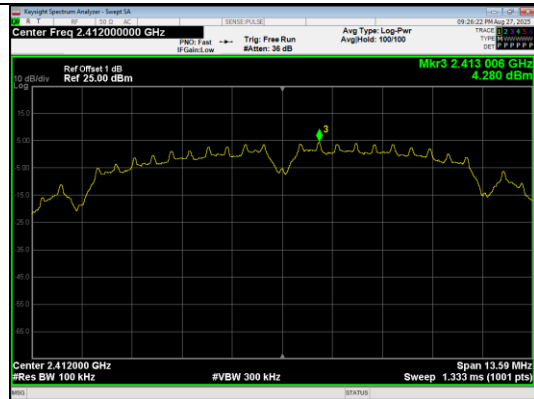


IEEE 802.11n_Channel 9_40MHz_Antenna 0

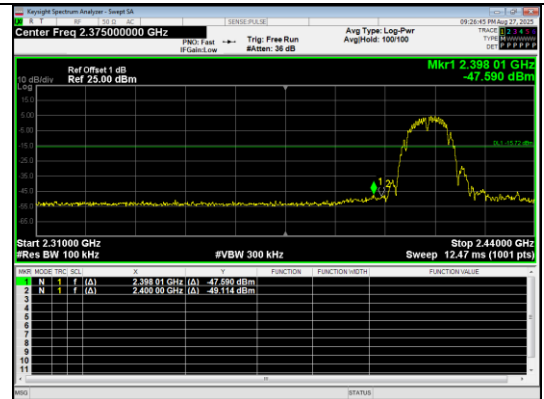
**Conducted Out Of Band Emission
Test Result**

Mode	Channel	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	
IEEE 802.11b	1	0	2398.01	-47.590	-15.72	-31.870	PASS	
			2400.00	-49.110	-15.72	-33.390	PASS	
			24363.2	-39.983	-15.72	-24.263	PASS	
	6		24965.0	-39.653	-15.04	-24.613	PASS	
			11	2483.50	-53.120	-21.13	-31.990	PASS
				24338.9	-39.425	-21.13	-18.295	PASS
IEEE 802.11g	1		2398.92	-37.446	-21.5	-15.946	PASS	
			2400.00	-38.780	-21.5	-17.280	PASS	
			24952.6	-39.952	-21.5	-18.452	PASS	
	6		24358.3	-39.900	-20.4	-19.500	PASS	
			11	2483.50	-47.290	-23.3	-23.990	PASS
				24294.0	-39.943	-23.3	-16.643	PASS
IEEE 802.11n_20	1		2397.62	-36.437	-21.38	-15.057	PASS	
			2400.00	-37.090	-21.38	-15.710	PASS	
			24914.5	-39.175	-21.38	-17.795	PASS	
	6		24952.6	-39.434	-20.53	-18.904	PASS	
			11	2483.50	-47.310	-23.33	-23.980	PASS
				24987.5	-39.776	-23.33	-16.446	PASS
IEEE 802.11n_40	3	2396.32	-32.722	-23.43	-9.292	PASS		
		2400.00	-35.790	-23.43	-12.360	PASS		
		24305.8	-39.637	-23.43	-16.207	PASS		
	6	24382.0	-39.956	-23.25	-16.706	PASS		
		9	2483.50	-43.940	-22.73	-21.210	PASS	
			24312.7	-39.885	-22.73	-17.155	PASS	

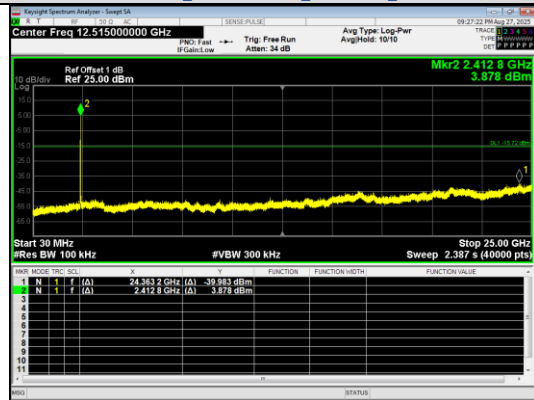
Test Graphs



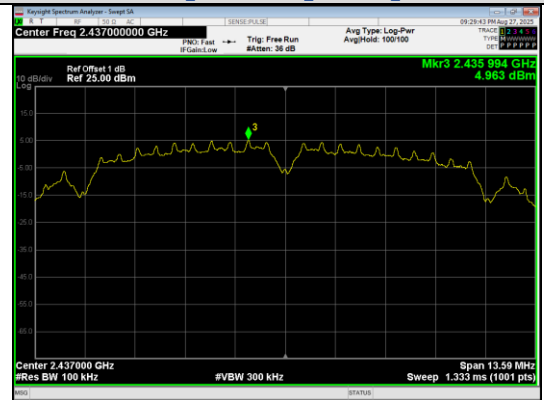
**In-Band Reference Level
 IEEE 802.11b Channel 1_20MHz_Antenna 0**



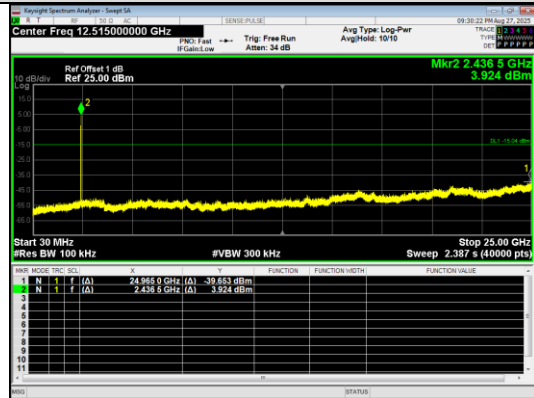
**Out Of Band Emission
 IEEE 802.11b Channel 1_20MHz_Antenna 0**



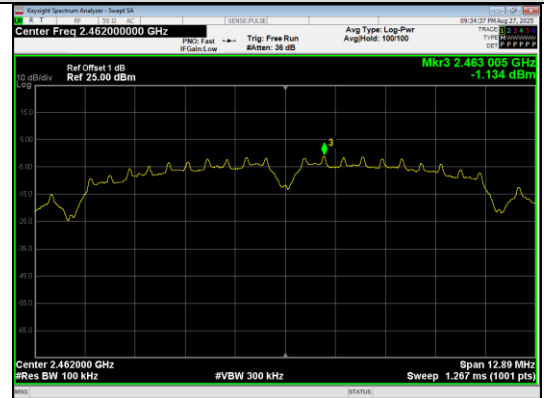
**30.0 MHz - 25000.0 MHz
 IEEE 802.11b Channel 1_20MHz_Antenna 0**



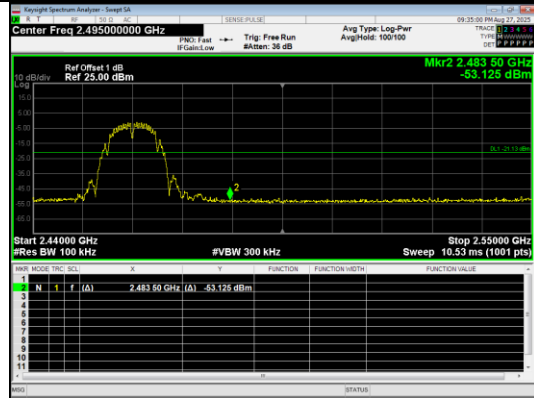
**In-Band Reference Level
 IEEE 802.11b Channel 6_20MHz_Antenna 0**



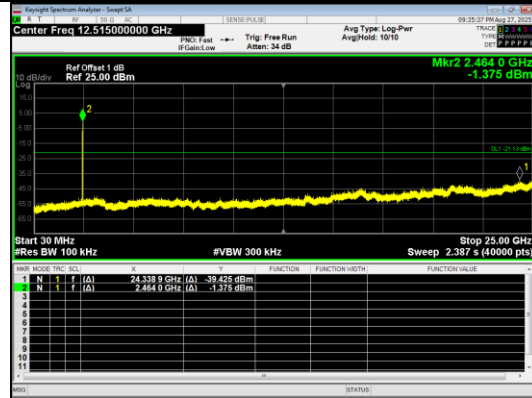
**30.0 MHz - 25000.0 MHz
 IEEE 802.11b Channel 6_20MHz_Antenna 0**



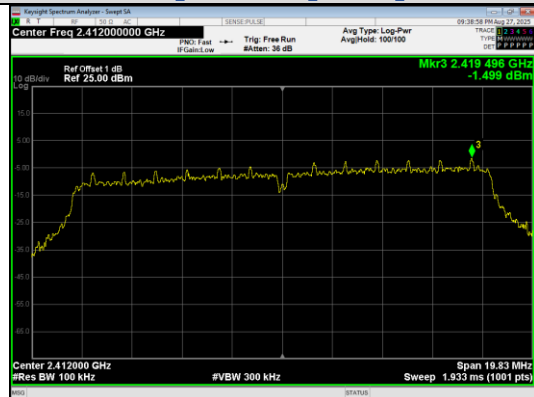
**In-Band Reference Level
 IEEE 802.11b Channel 11_20MHz_Antenna 0**



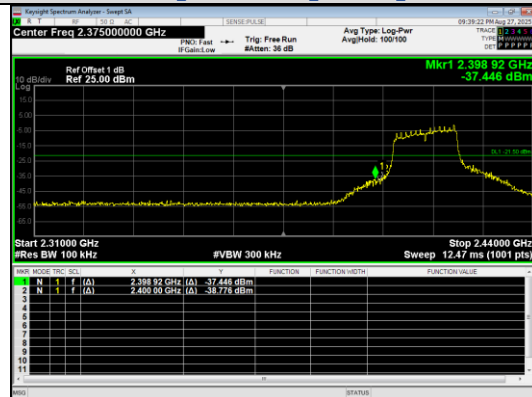
Out Of Band Emission
IEEE 802.11b Channel 11_20MHz_Antenna 0



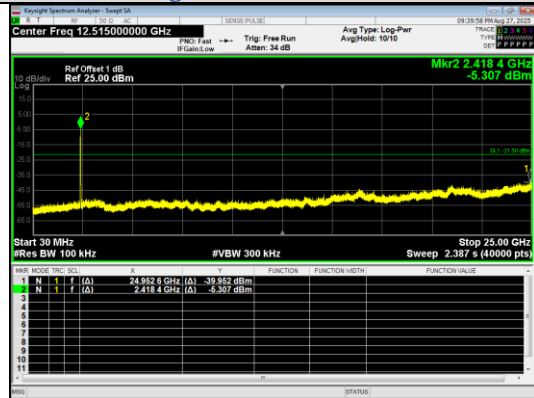
30.0 MHz - 25000.0 MHz
IEEE 802.11b Channel 11_20MHz_Antenna 0



In-Band Reference Level
IEEE 802.11g Channel 1_20MHz_Antenna 0



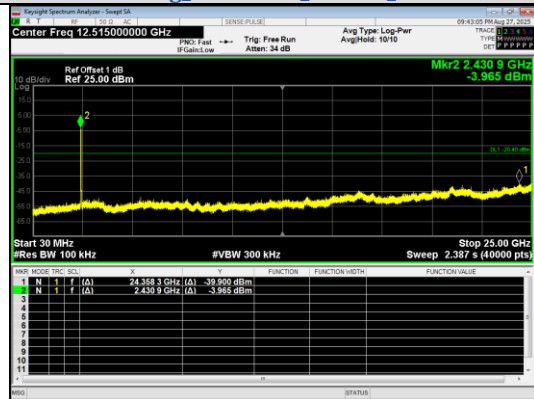
Out Of Band Emission
IEEE 802.11g Channel 1_20MHz_Antenna 0



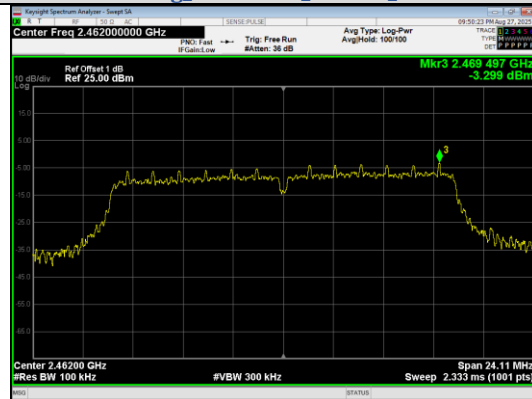
30.0 MHz - 25000.0 MHz
IEEE 802.11g Channel 1_20MHz_Antenna 0



In-Band Reference Level
IEEE 802.11g Channel 6_20MHz_Antenna 0

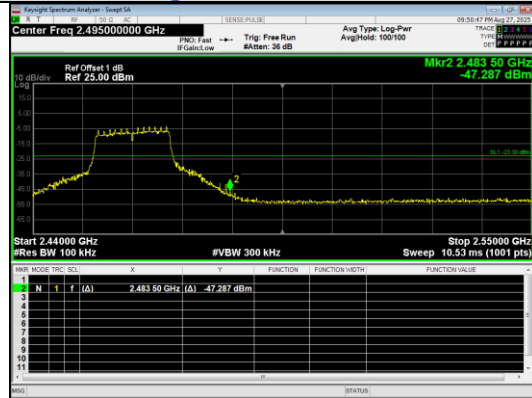


30.0 MHz - 25000.0 MHz

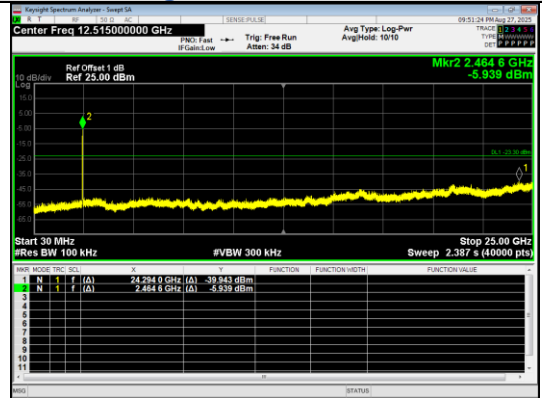


In-Band Reference Level

IEEE 802.11g_Channel 6_20MHz_Antenna 0

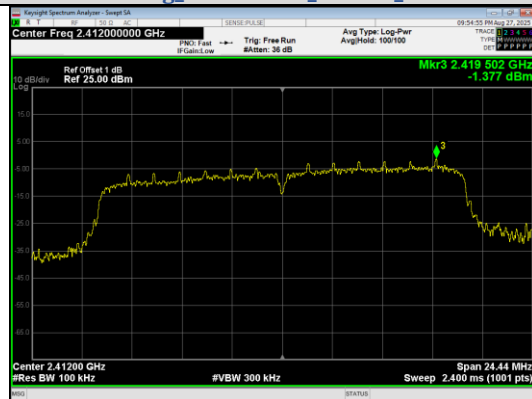


IEEE 802.11g_Channel 11_20MHz_Antenna 0



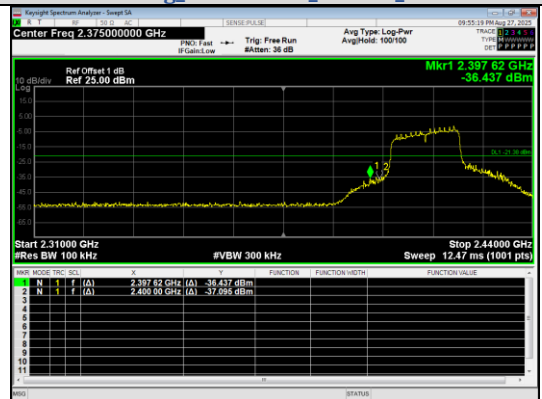
Out Of Band Emission

IEEE 802.11g_Channel 11_20MHz_Antenna 0



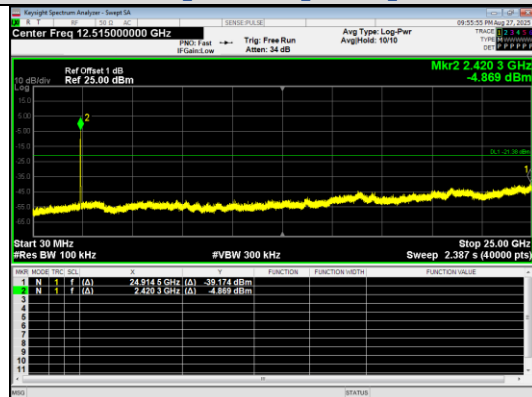
30.0 MHz - 25000.0 MHz

IEEE 802.11g_Channel 11_20MHz_Antenna 0



In-Band Reference Level

IEEE 802.11n_Channel 1_20MHz_Antenna 0



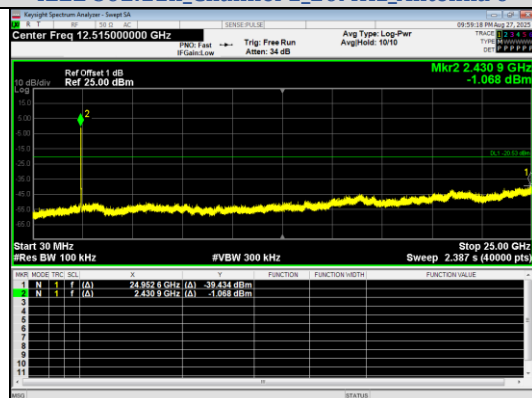
Out Of Band Emission

IEEE 802.11n_Channel 1_20MHz_Antenna 0



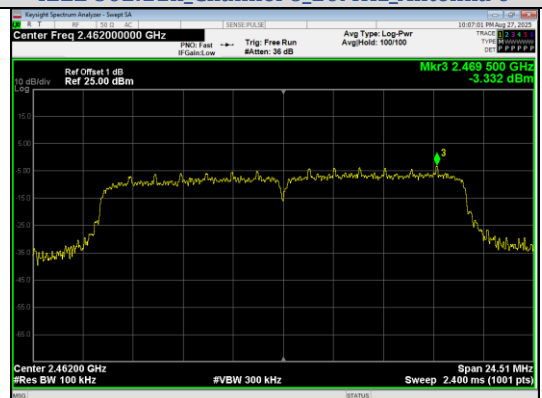
30.0 MHz - 25000.0 MHz

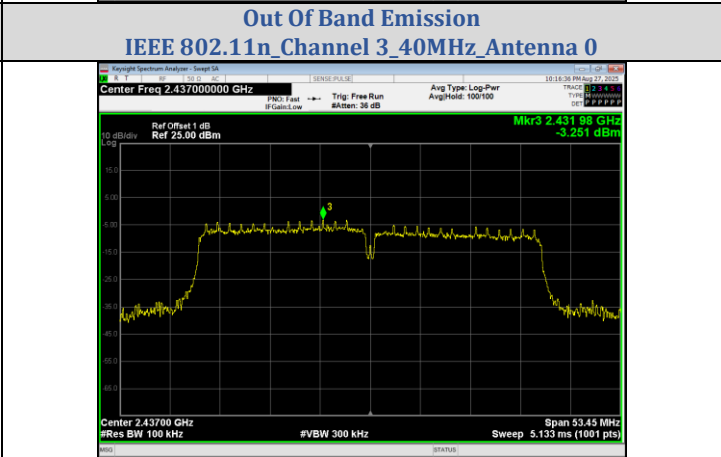
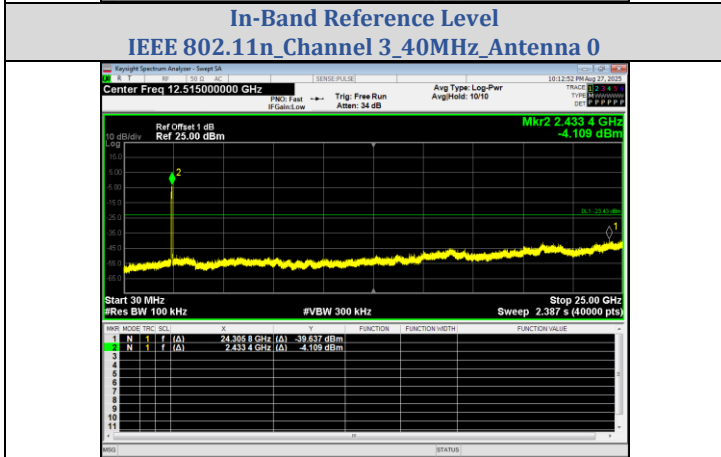
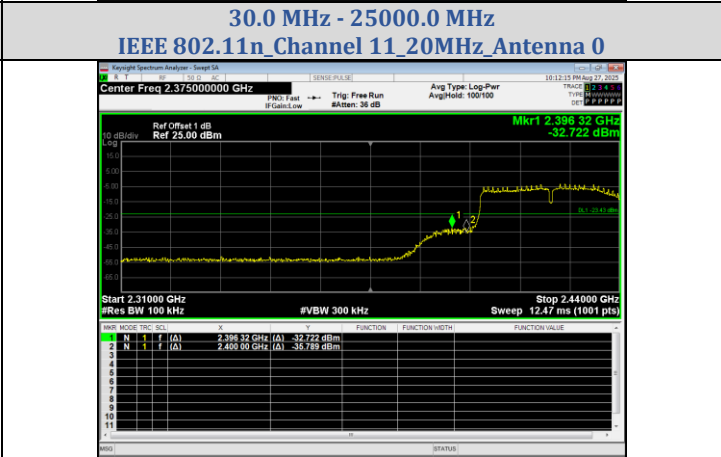
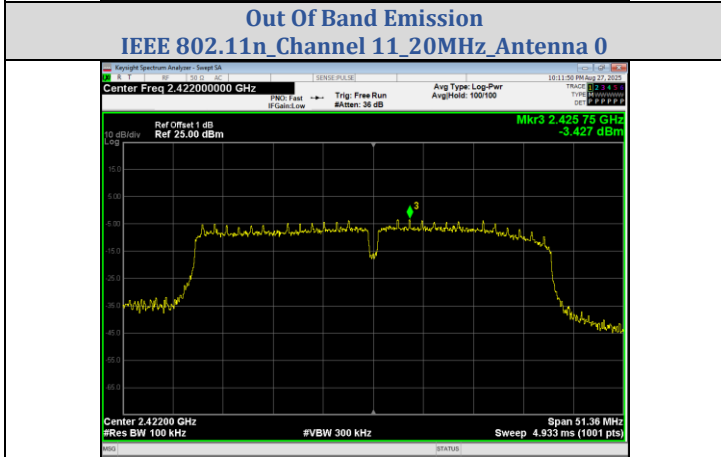
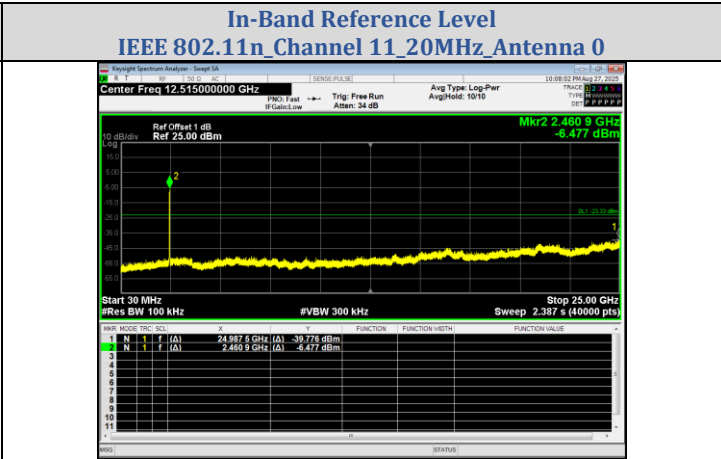
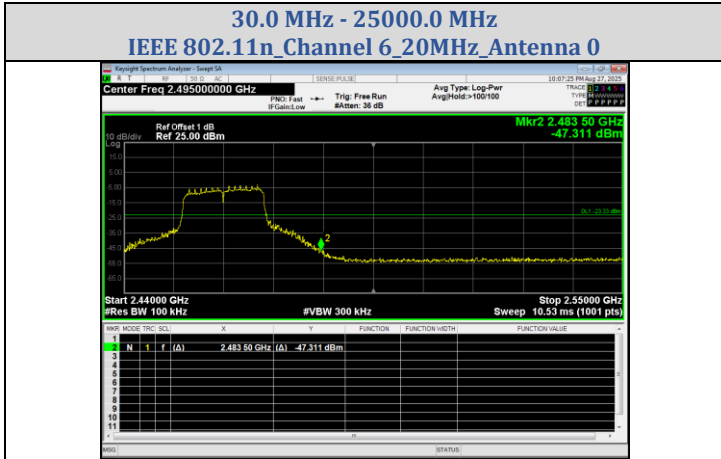
IEEE 802.11n_Channel 1_20MHz_Antenna 0

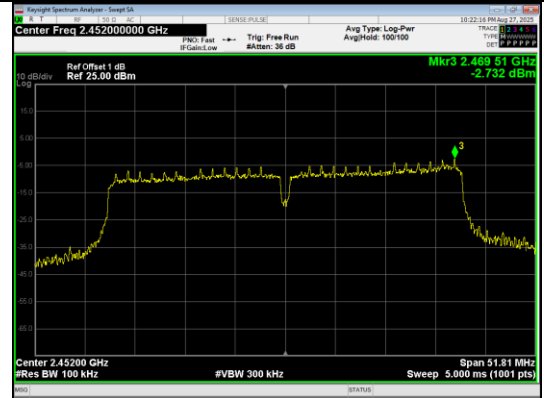
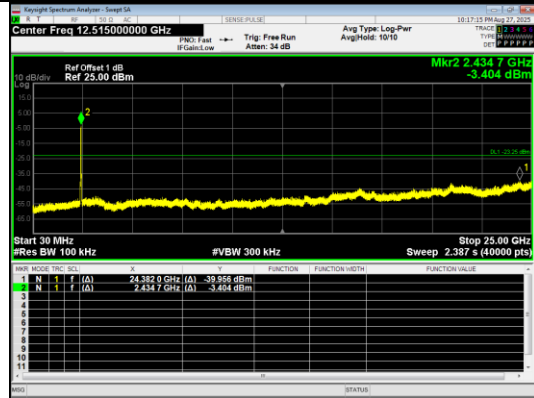


In-Band Reference Level

IEEE 802.11n_Channel 6_20MHz_Antenna 0

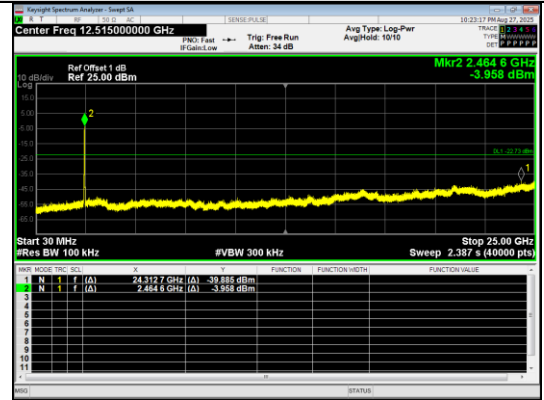
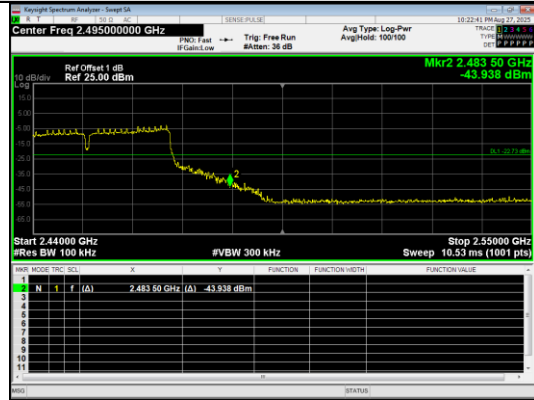






**30.0 MHz - 25000.0 MHz
 IEEE 802.11n Channel 6_40MHz_Antenna 0**

**In-Band Reference Level
 IEEE 802.11n Channel 9_40MHz_Antenna 0**



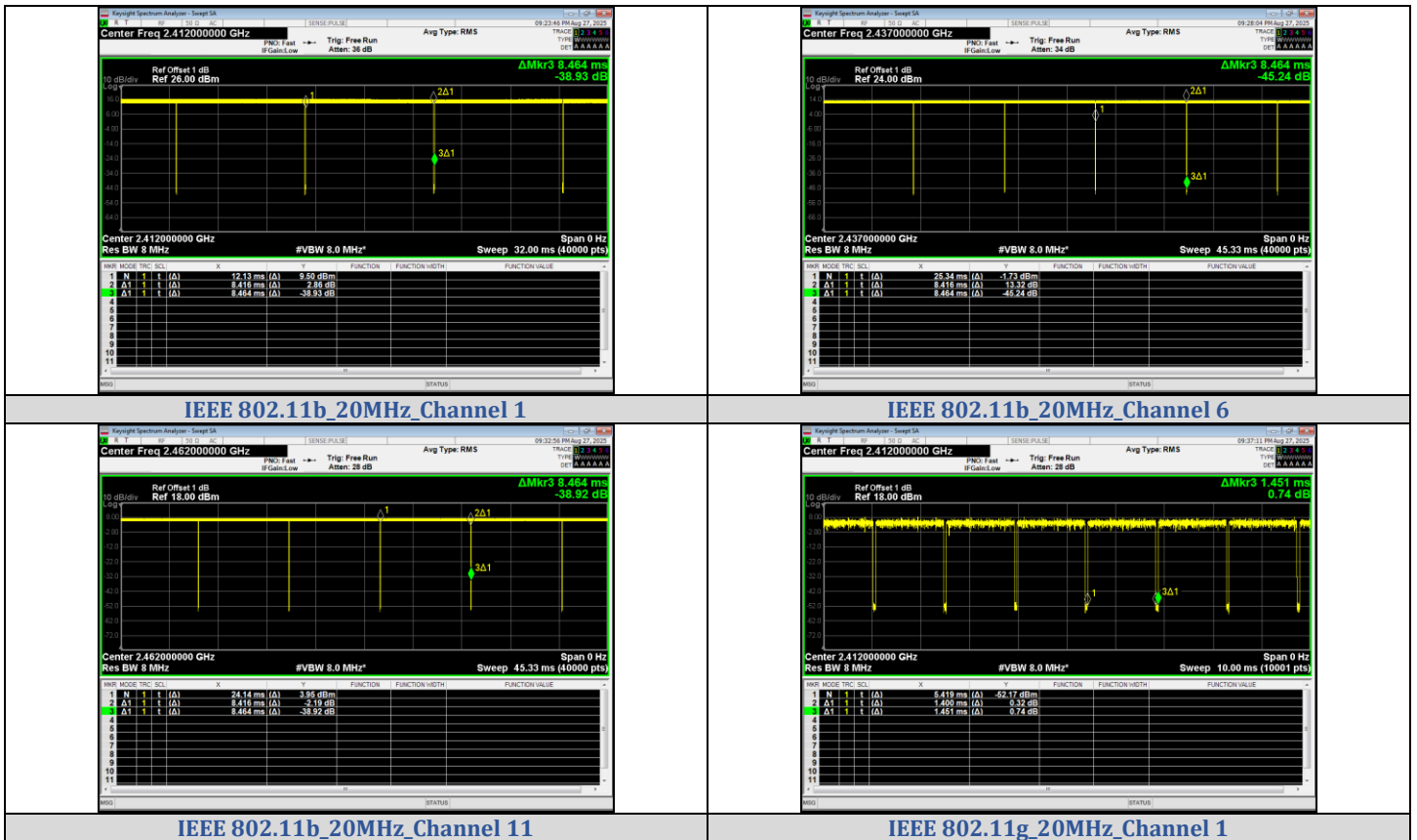
**Out Of Band Emission
 IEEE 802.11n_Channel 9_40MHz_Antenna 0**

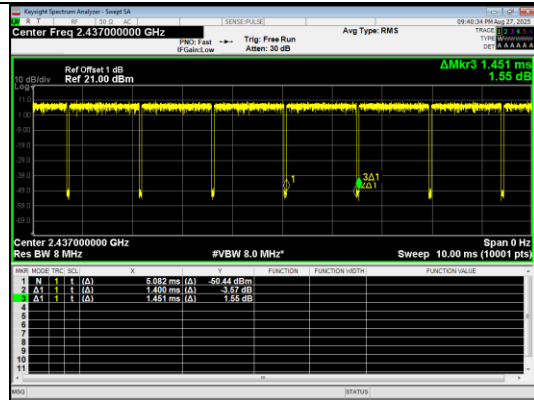
**30.0 MHz - 25000.0 MHz
 IEEE 802.11n_Channel 9_40MHz_Antenna 0**

Duty Cycle Test Result

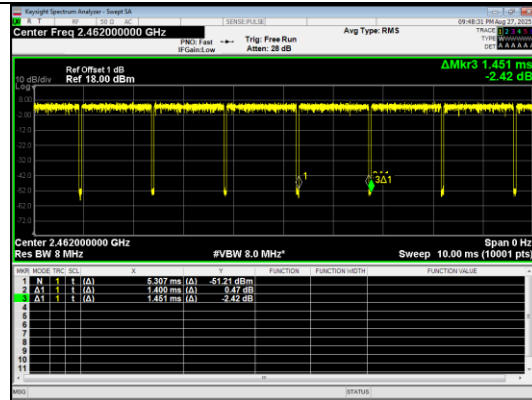
Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T		
IEEE 802.11b	1	1	1	8.416	8.464	99.43	0.9943	0.0248	0.1188		
		6		8.416	8.464	99.44	0.9944	0.0244	0.1188		
		11		8.416	8.464	99.44	0.9944	0.0244	0.1188		
IEEE 802.11g		1		1.400	1.451	96.49	0.9649	0.1552	0.7143		
		6		1.400	1.451	96.49	0.9649	0.1552	0.7143		
		11		1.400	1.451	96.49	0.9649	0.1552	0.7143		
IEEE 802.11n_20		MCS 0		1	1	1.184	1.236	95.79	0.9579	0.1868	0.8446
				6		1.184	1.236	95.79	0.9579	0.1868	0.8446
				11		1.184	1.236	95.79	0.9579	0.1868	0.8446
IEEE 802.11n_40	3		0.589	0.640		91.95	0.9195	0.3645	1.6978		
	6		0.589	0.640		91.95	0.9195	0.3645	1.6978		
	9		0.589	0.641		91.89	0.9189	0.3673	1.6978		

Test Graphs

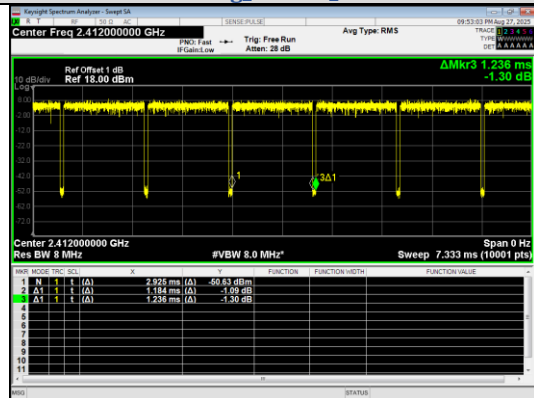




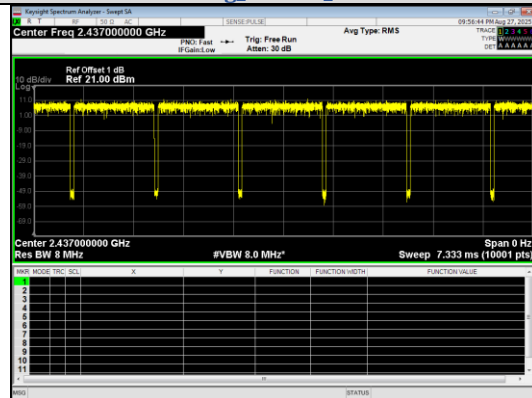
IEEE 802.11g_20MHz_Channel 6



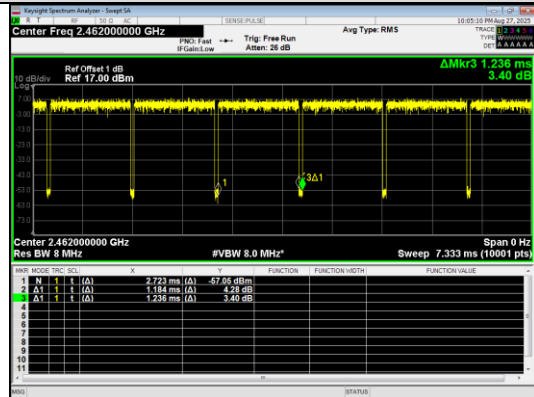
IEEE 802.11g_20MHz_Channel 11



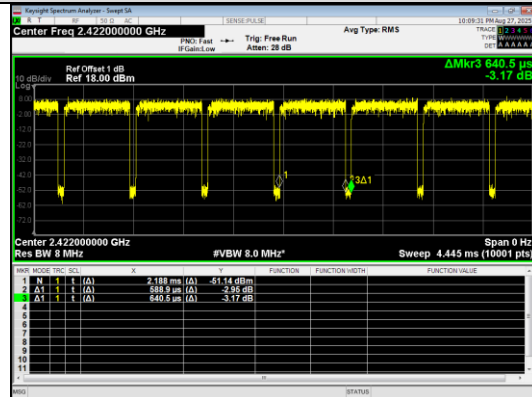
IEEE 802.11n_20MHz_Channel 1



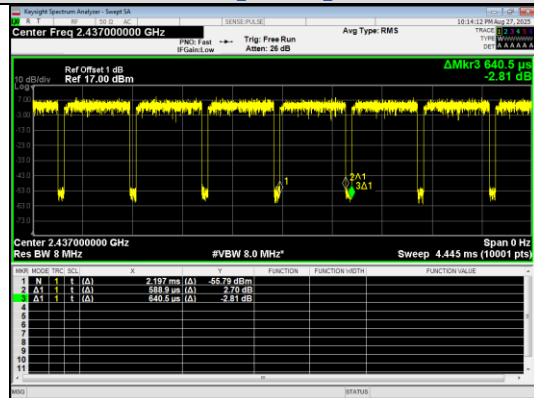
IEEE 802.11n_20MHz_Channel 6



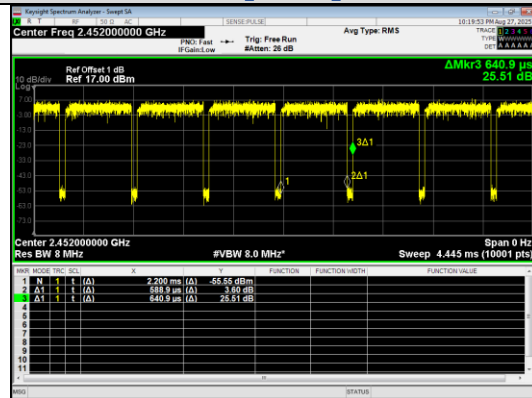
IEEE 802.11n_20MHz_Channel 11



IEEE 802.11n_40MHz_Channel 3



IEEE 802.11n_40MHz_Channel 6



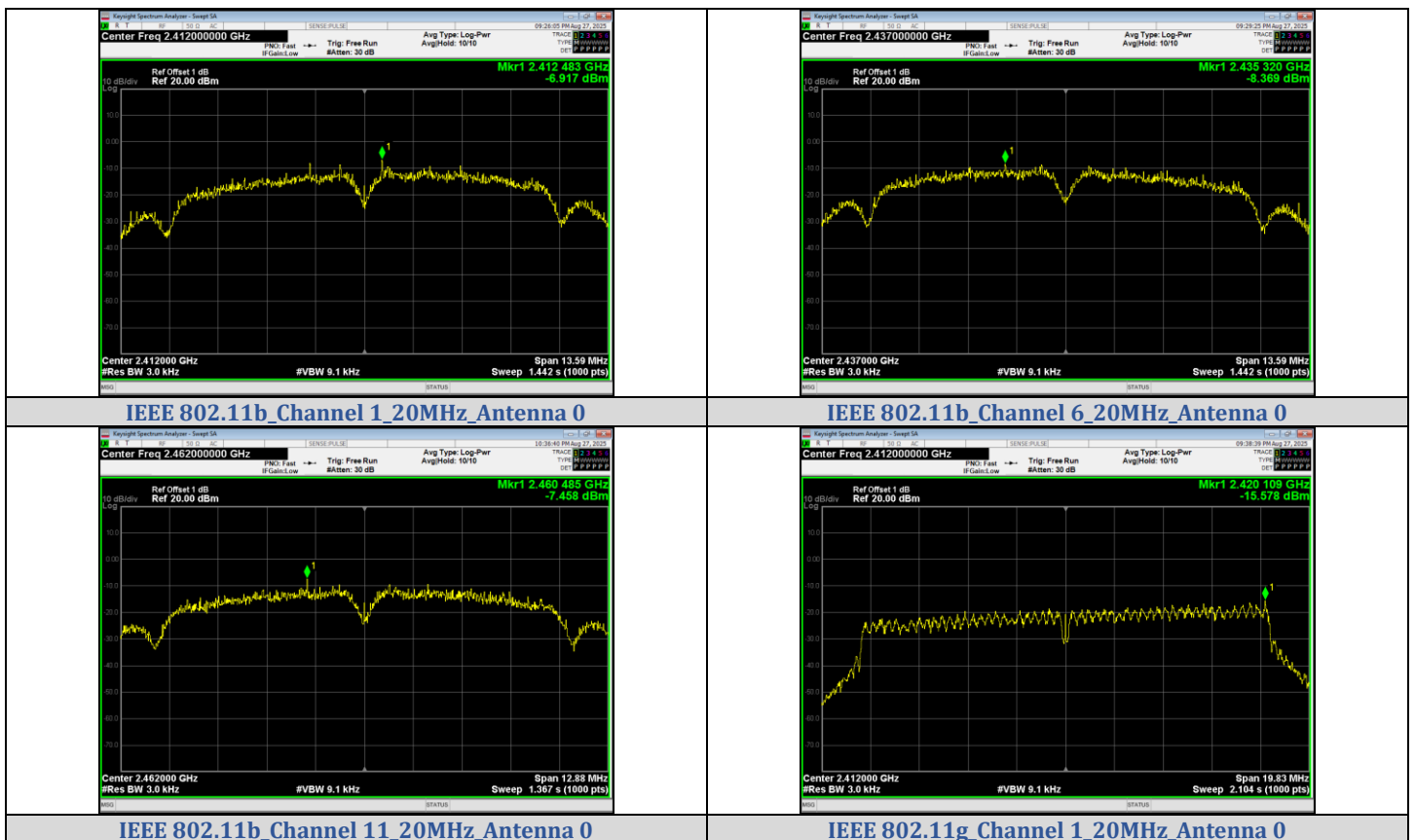
IEEE 802.11n_40MHz_Channel 9

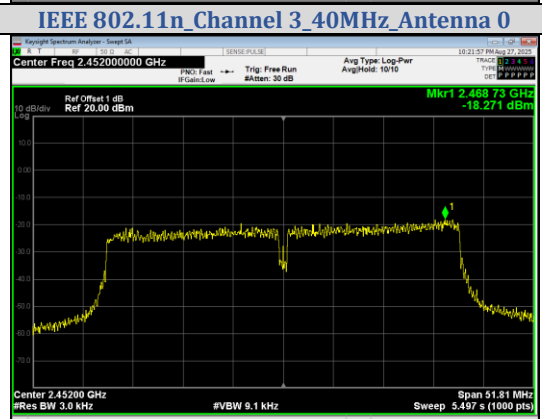
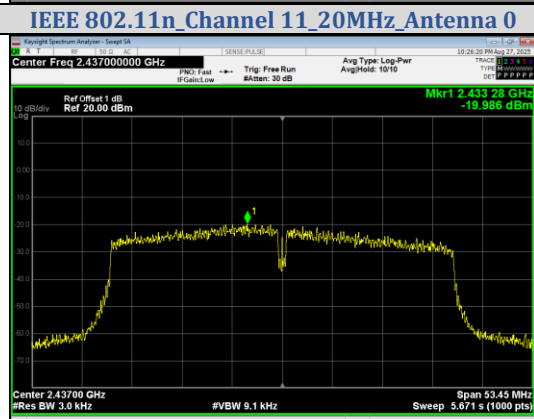
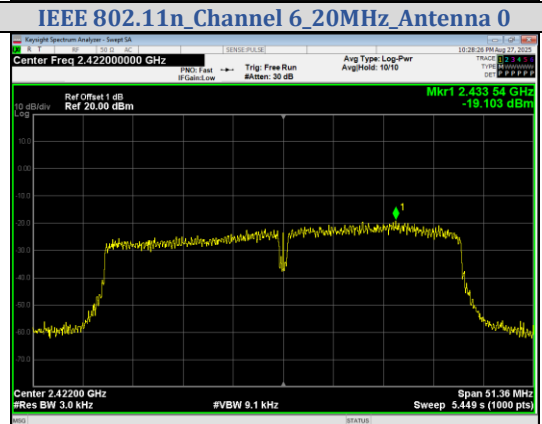
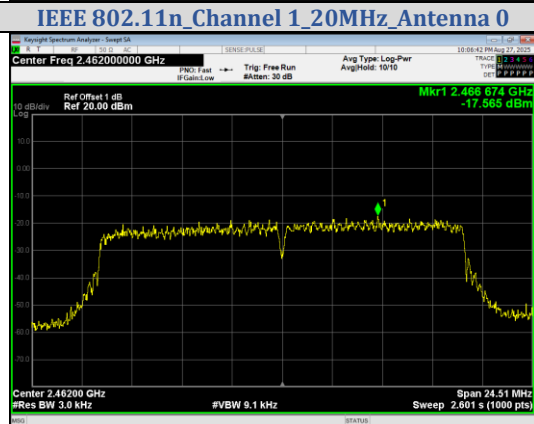
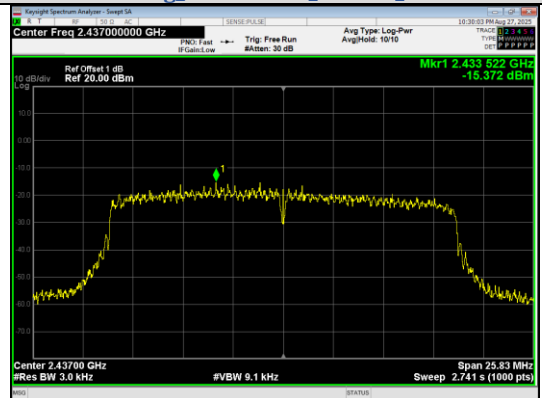
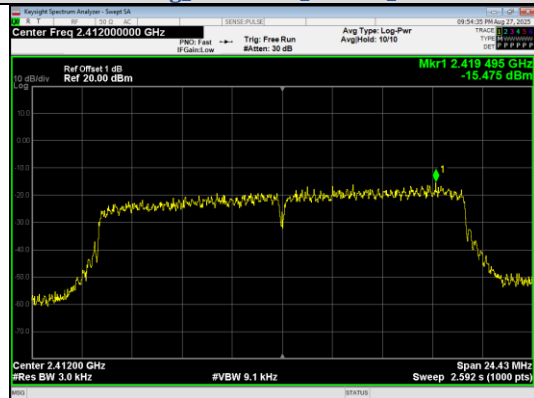
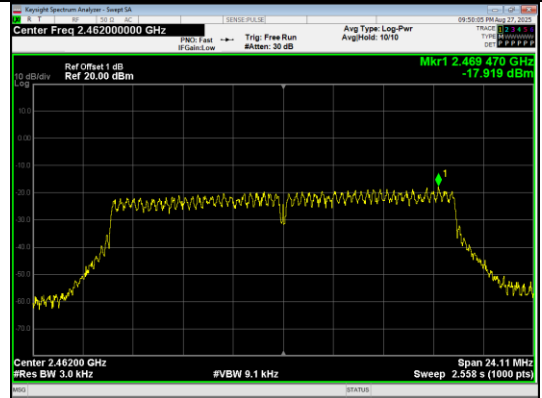
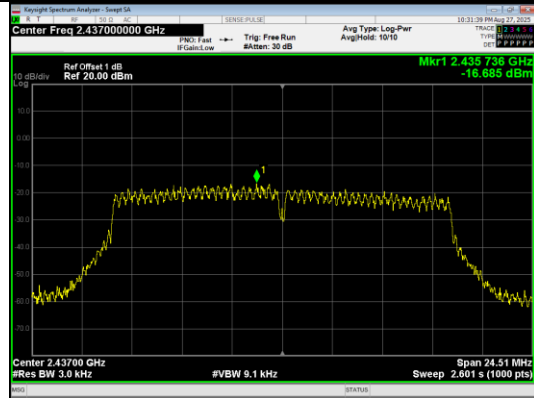
Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
IEEE 802.11b	1	-6.920	≤8	PASS
	6	-8.370		PASS
	11	-7.460		PASS
IEEE 802.11g	1	-15.580		PASS
	6	-16.680		PASS
	11	-17.920		PASS
IEEE 802.11n_20	1	-15.470		PASS
	6	-15.370		PASS
	11	-17.570		PASS
IEEE 802.11n_40	3	-19.100		PASS
	6	-19.990		PASS
	9	-18.270		PASS

Test Graphs





IEEE 802.11n_Channel 6_40MHz_Antenna 0

IEEE 802.11n_Channel 9_40MHz_Antenna 0