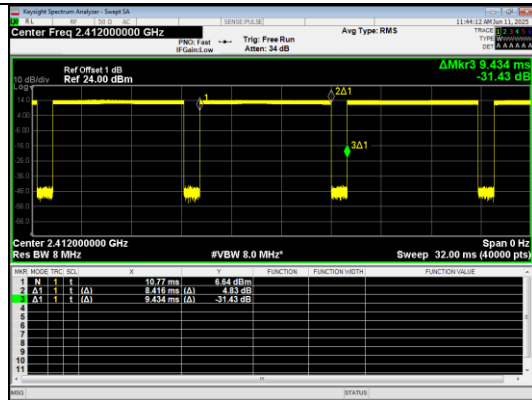


Duty Cycle

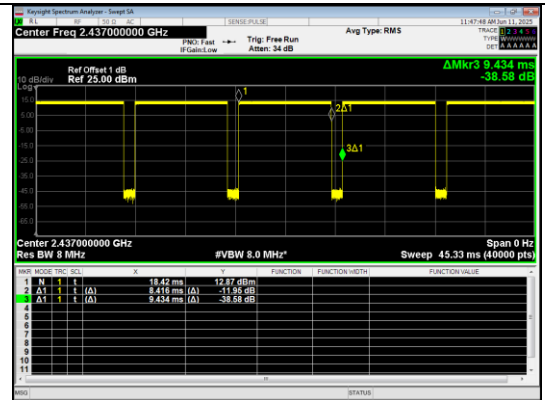
Test Result

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	9.434	89.21	0.8921	0.4959	0.1188
		6		8.416	9.434	89.21	0.8921	0.4959	0.1188
		11		8.416	9.438	89.17	0.8917	0.4978	0.1188
IEEE 802.11g		1		1.400	2.424	57.76	0.5776	2.3837	0.7143
		6		1.401	2.424	57.80	0.5780	2.3807	0.7138
		11		1.400	2.420	57.85	0.5785	2.377	0.7143
IEEE 802.11n_20		1		5.103	6.997	72.93	0.7293	1.3709	0.1960
		6		5.098	6.118	83.33	0.8333	0.792	0.1962
		11		5.098	6.120	83.30	0.8330	0.7935	0.1962
IEEE 802.11n_40	3	4.905	5.923	82.82	0.8282	0.8186	0.2039		
	6	4.905	5.927	82.75	0.8275	0.8223	0.2039		
	9	4.910	5.926	82.85	0.8285	0.8171	0.2037		

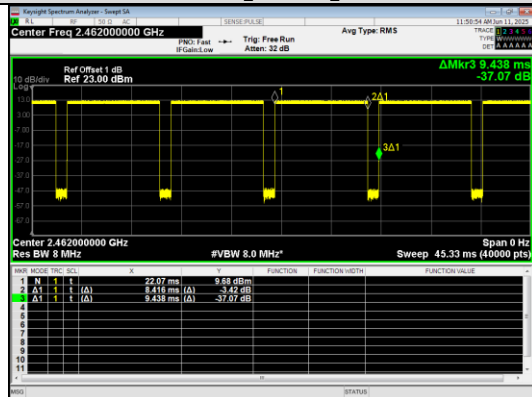
Test Graphs



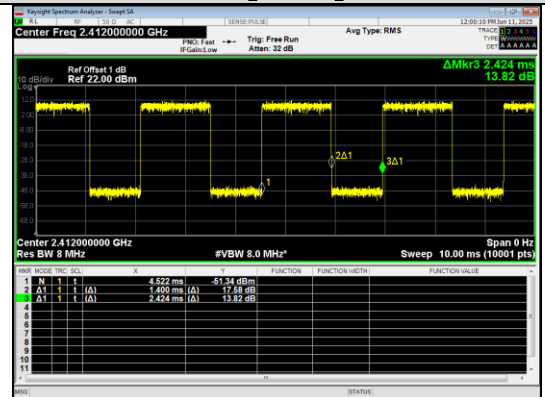
IEEE 802.11b_20MHz_Channel 1



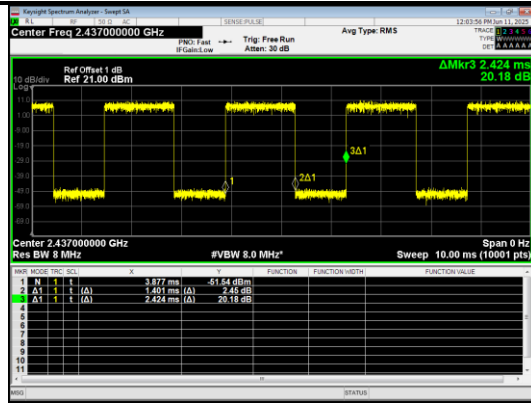
IEEE 802.11b_20MHz_Channel 6



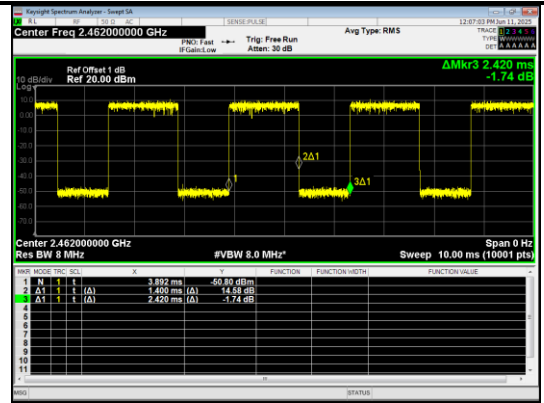
IEEE 802.11b_20MHz_Channel 11



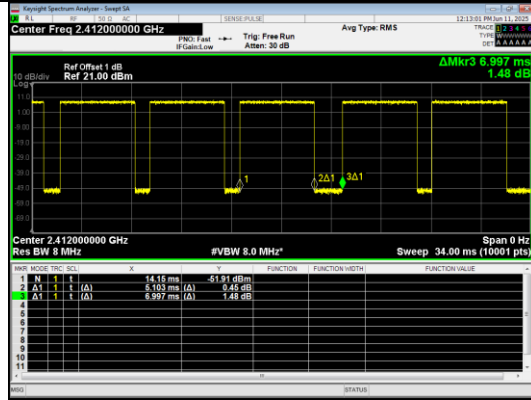
IEEE 802.11g_20MHz_Channel 1



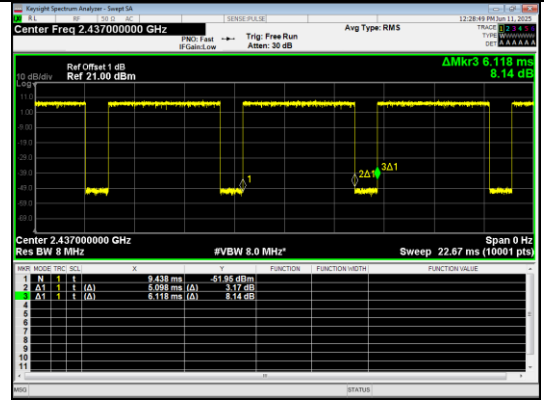
IEEE 802.11g_20MHz_Channel 6



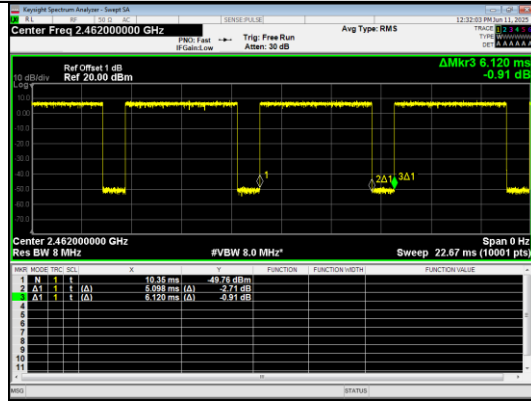
IEEE 802.11g_20MHz_Channel 11



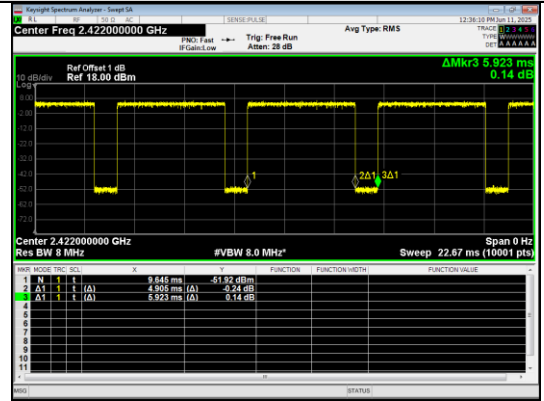
IEEE 802.11n_20MHz_Channel 1



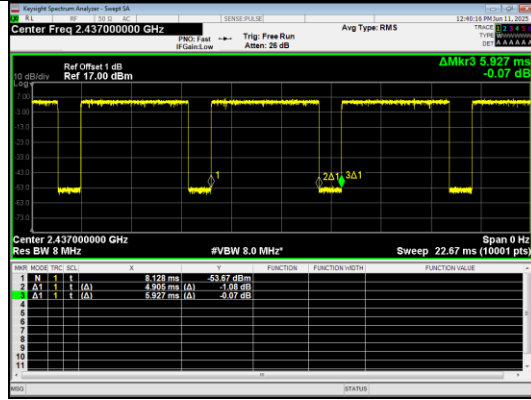
IEEE 802.11n_20MHz_Channel 6



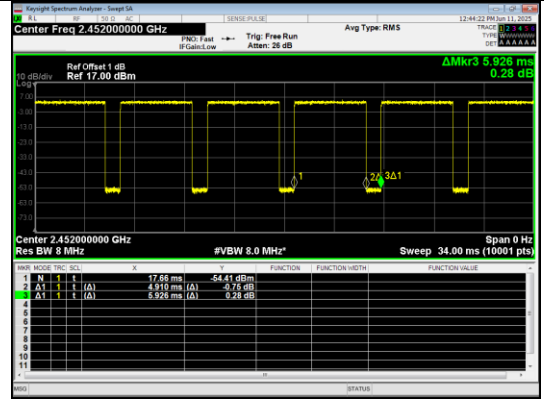
IEEE 802.11n_20MHz_Channel 11



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	16.06	≤30	PASS
	6	16.50	≤30	PASS
	11	14.63	≤30	PASS
IEEE 802.11g	1	17.56	≤30	PASS
	6	16.56	≤30	PASS
	11	16.01	≤30	PASS
IEEE 802.11n_20	1	17.72	≤30	PASS
	6	16.86	≤30	PASS
	11	16.13	≤30	PASS
IEEE 802.11n_40	3	17.34	≤30	PASS
	6	16.87	≤30	PASS
	9	16.53	≤30	PASS

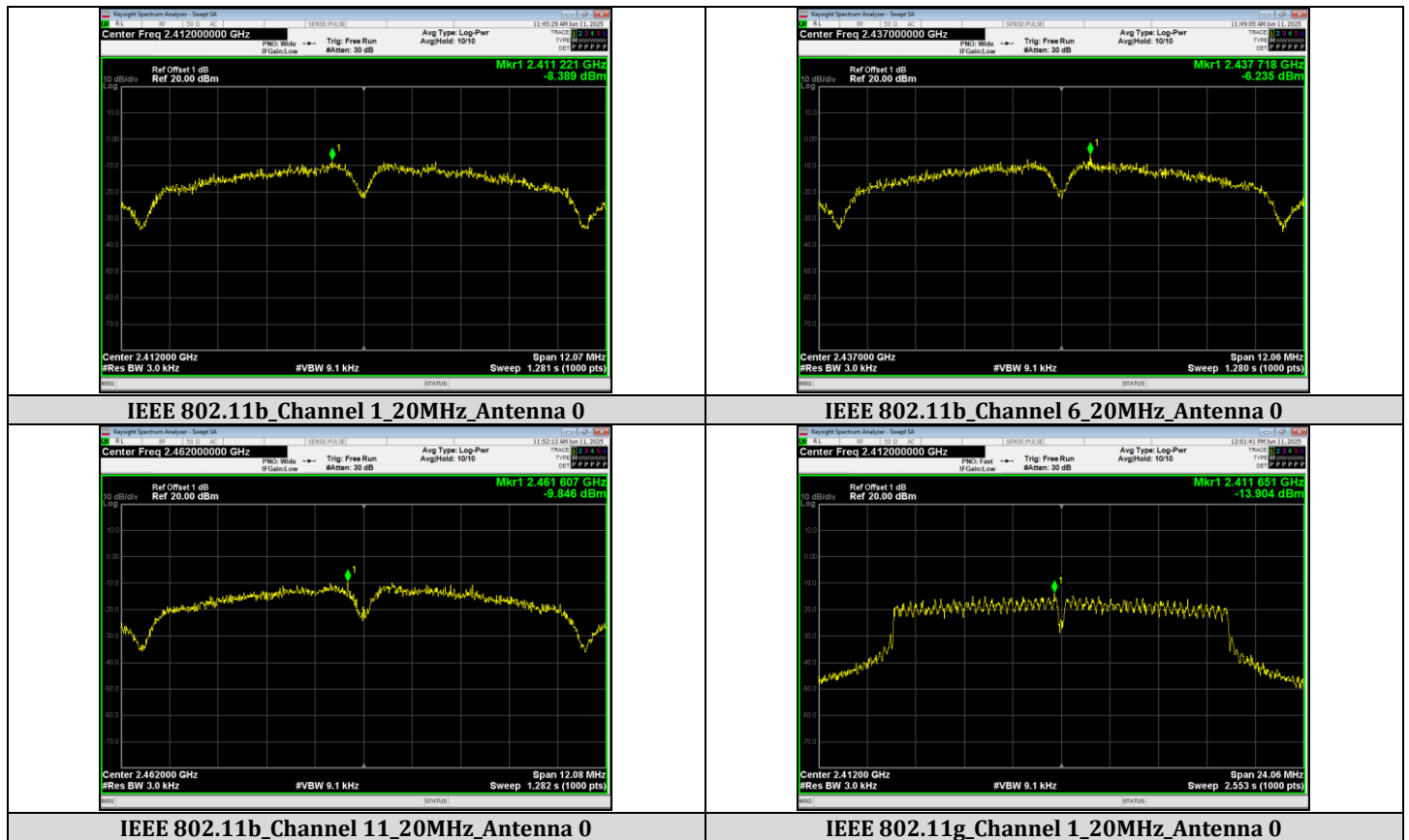


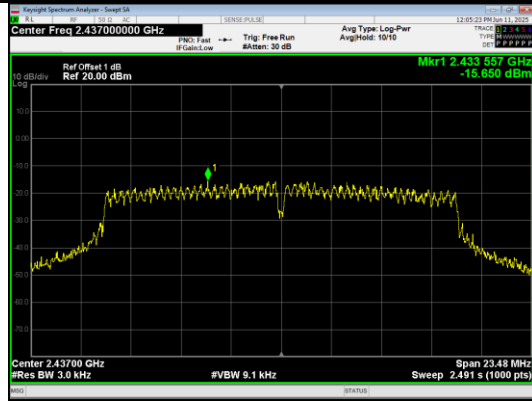
Power Spectral Density

Test Result

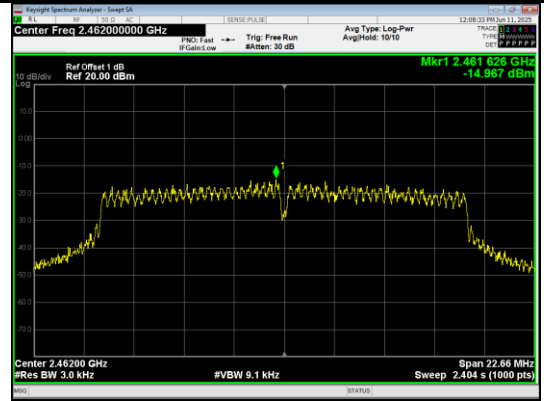
Mode	Channel	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
IEEE 802.11b	1	-8.389	≤8	PASS
	6	-6.235		PASS
	11	-9.846		PASS
IEEE 802.11g	1	-13.904		PASS
	6	-15.650		PASS
	11	-14.967		PASS
IEEE 802.11n_20	1	-13.649		PASS
	6	-14.139		PASS
	11	-14.092		PASS
IEEE 802.11n_40	3	-17.450		PASS
	6	-17.345		PASS
	9	-15.828		PASS

Test Graphs

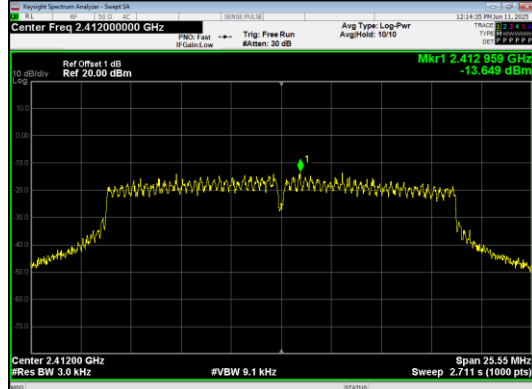




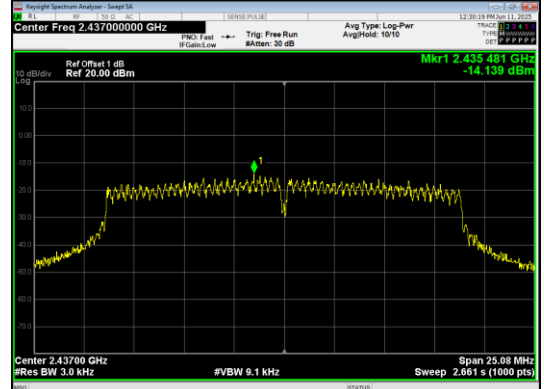
IEEE 802.11g_Channel 6_20MHz_Antenna 0



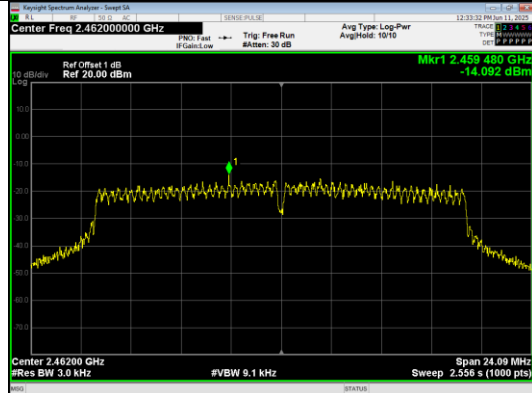
IEEE 802.11g_Channel 11_20MHz_Antenna 0



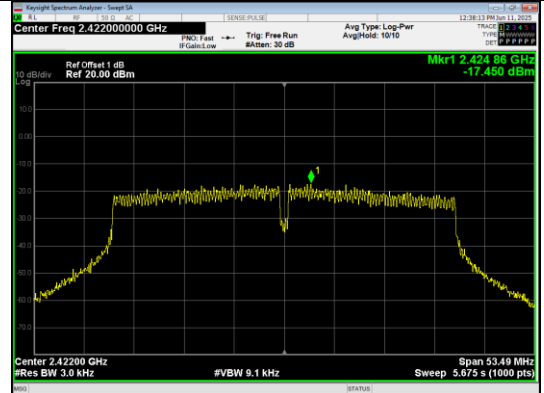
IEEE 802.11n_Channel 1_20MHz_Antenna 0



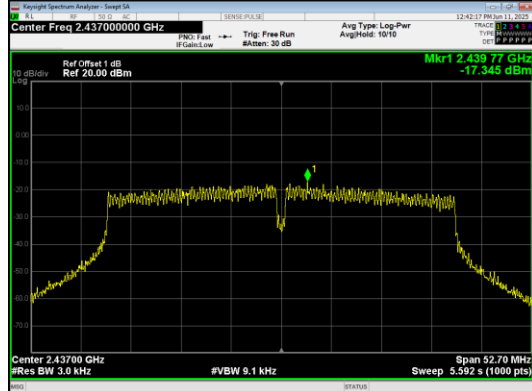
IEEE 802.11n_Channel 6_20MHz_Antenna 0



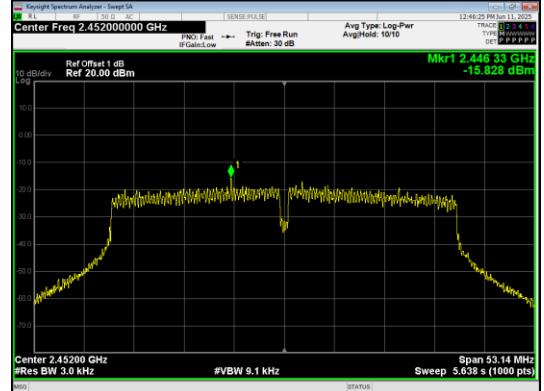
IEEE 802.11n_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 3_40MHz_Antenna 0



IEEE 802.11n_Channel 6_40MHz_Antenna 0



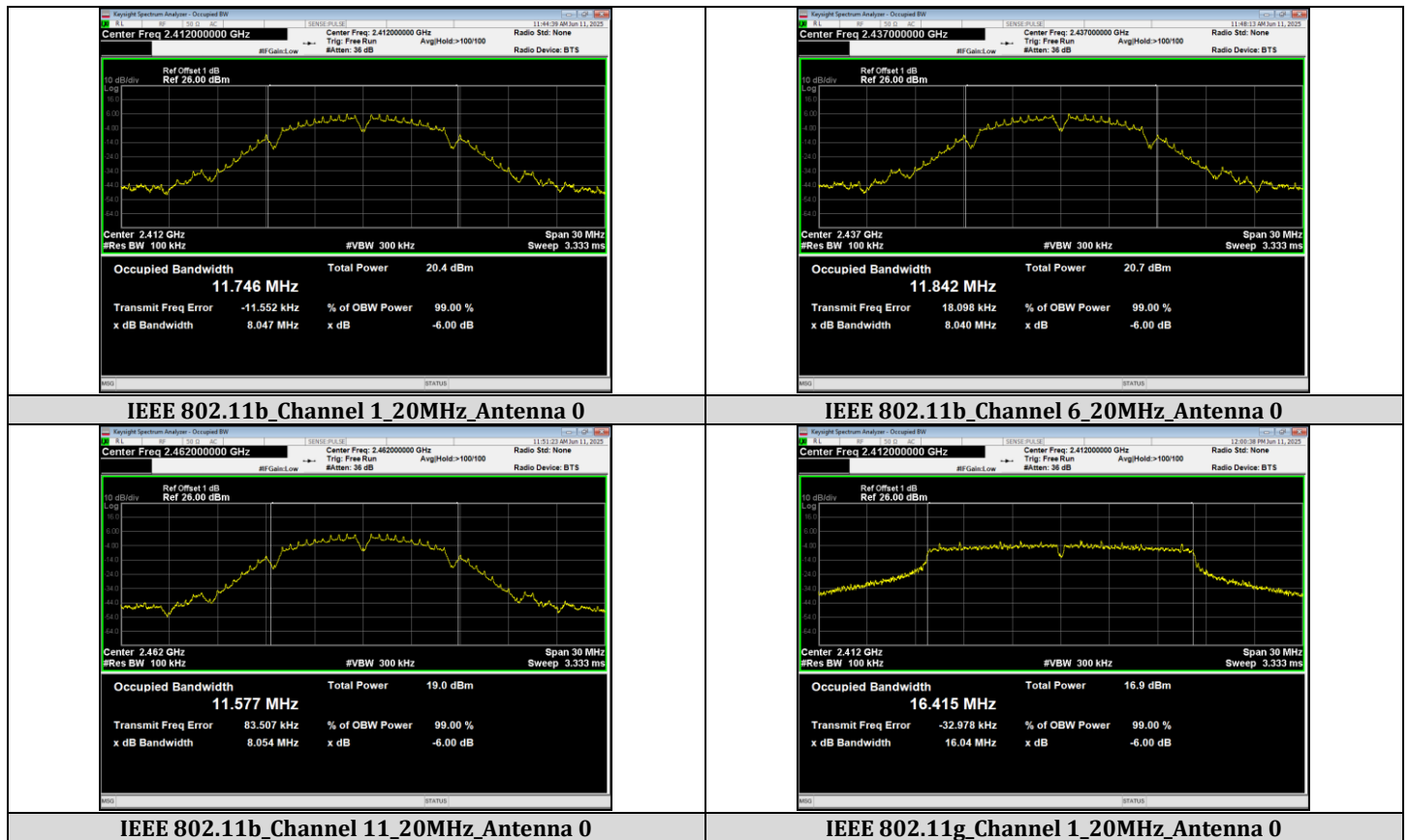
IEEE 802.11n_Channel 9_40MHz_Antenna 0

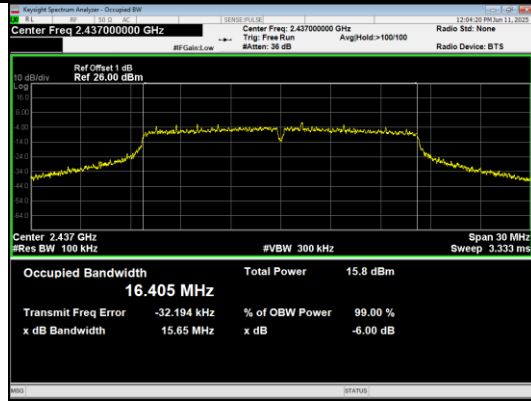
6dB Bandwidth

Test Result

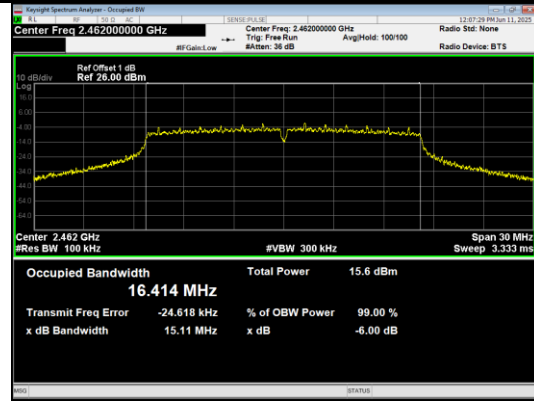
Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11b	1	0	2412	8.047	≥0.5	PASS
	6		2437	8.040		PASS
	11		2462	8.054		PASS
IEEE 802.11g	1		2412	16.04		PASS
	6		2437	15.65		PASS
	11		2462	15.11		PASS
IEEE 802.11n_20	1		2412	17.03		PASS
	6		2437	16.72		PASS
	11		2462	16.06		PASS
IEEE 802.11n_40	3		2422	35.66		PASS
	6		2437	35.13		PASS
	9		2452	35.43		PASS

Test Graphs

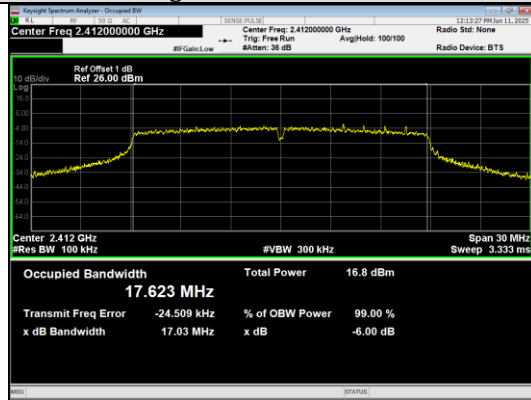




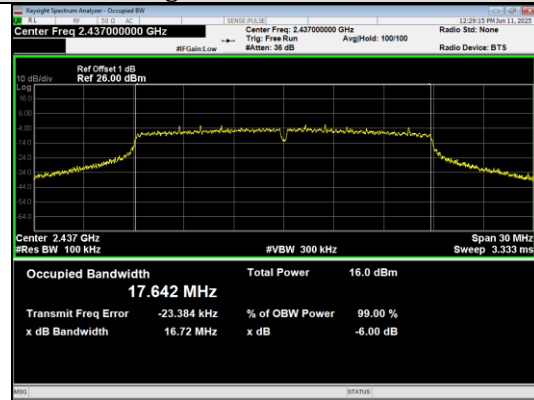
IEEE 802.11g_Channel 6_20MHz_Antenna 0



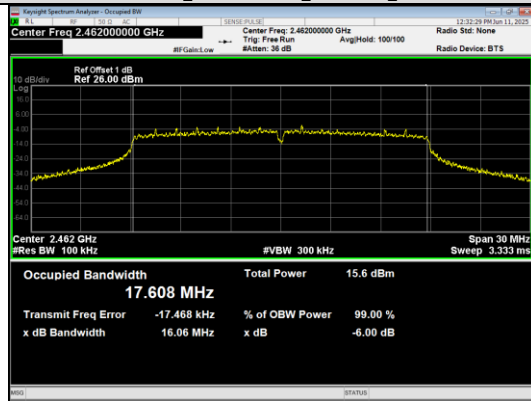
IEEE 802.11g_Channel 11_20MHz_Antenna 0



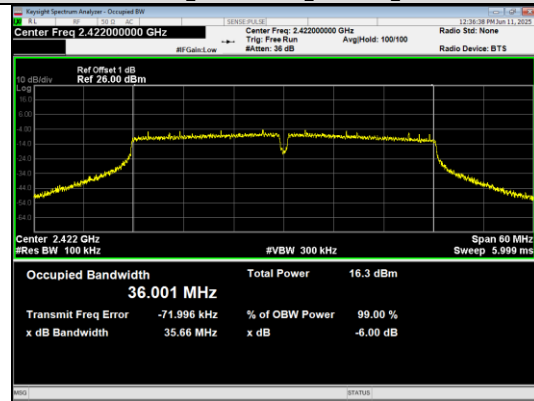
IEEE 802.11n_Channel 1_20MHz_Antenna 0



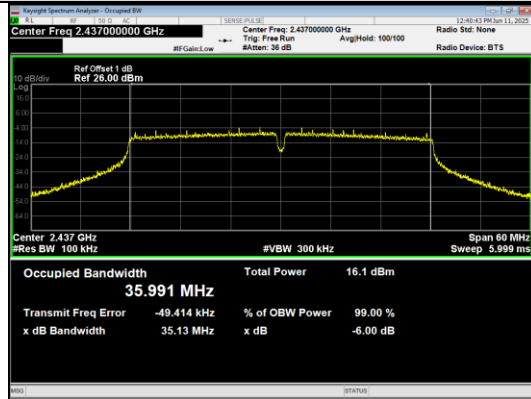
IEEE 802.11n_Channel 6_20MHz_Antenna 0



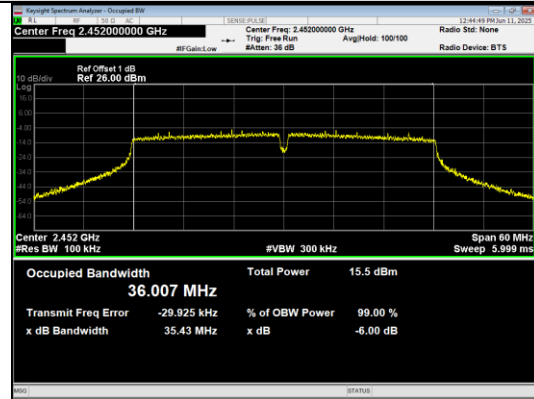
IEEE 802.11n_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 3_40MHz_Antenna 0



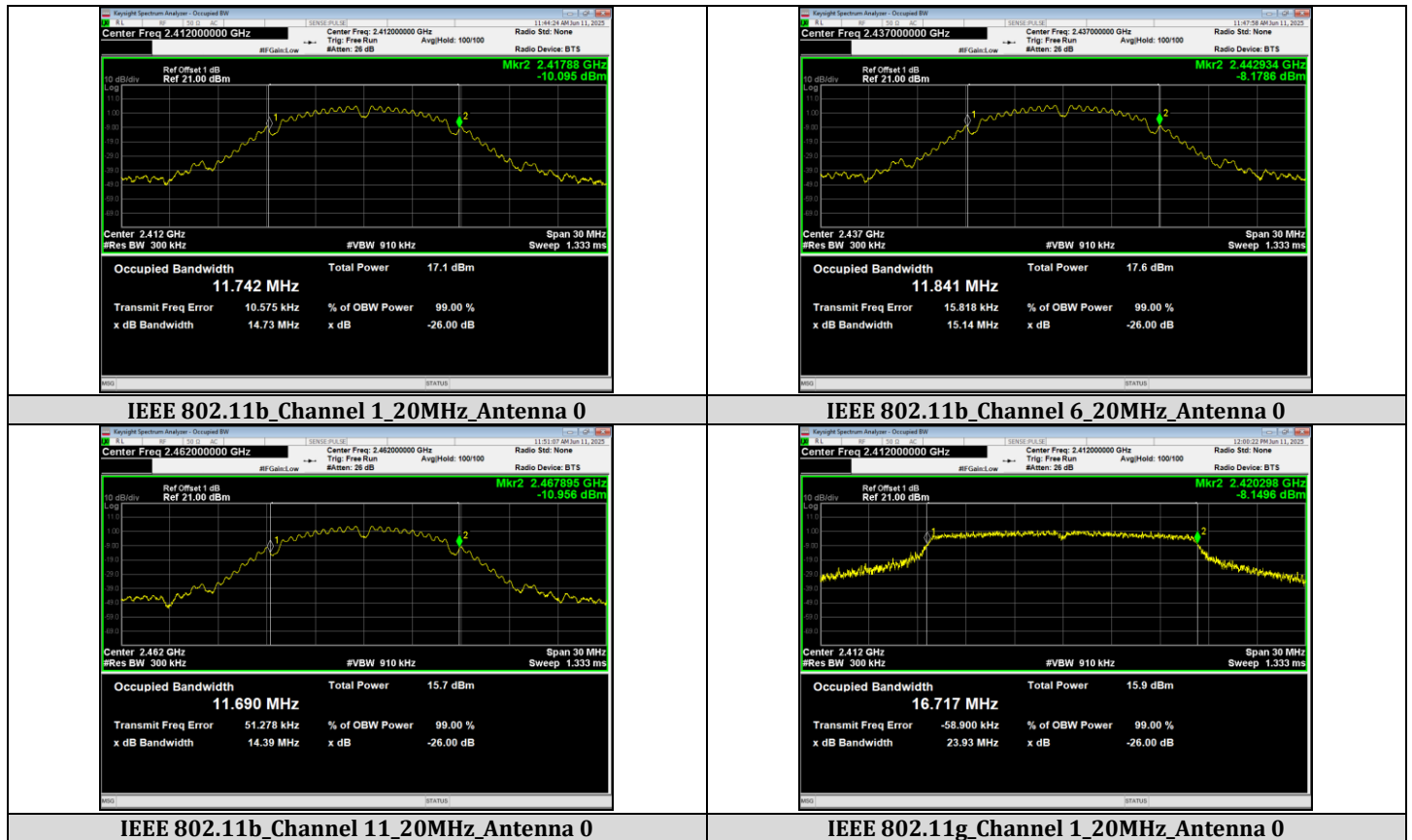
IEEE 802.11n_Channel 6_40MHz_Antenna 0

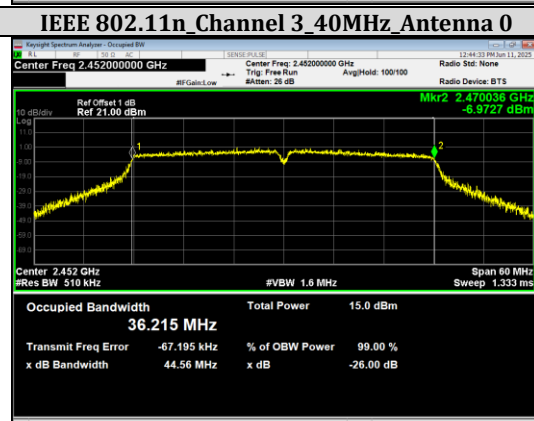
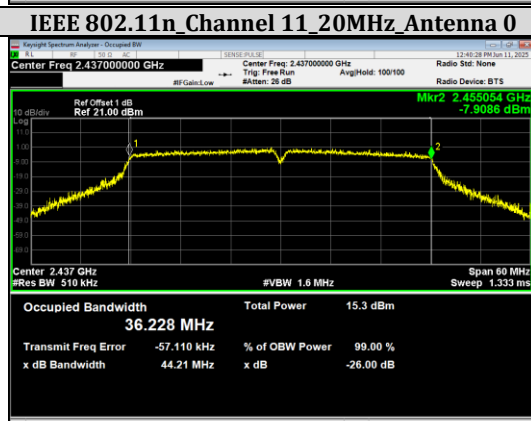
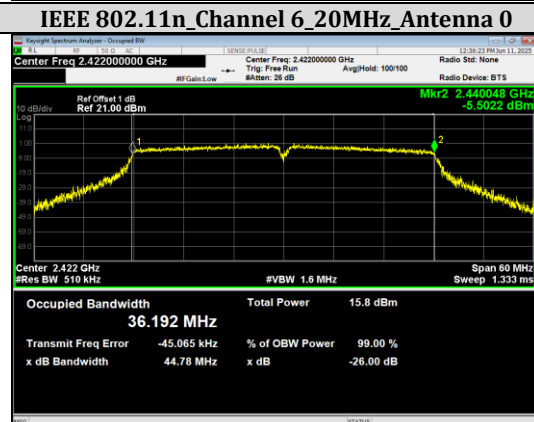
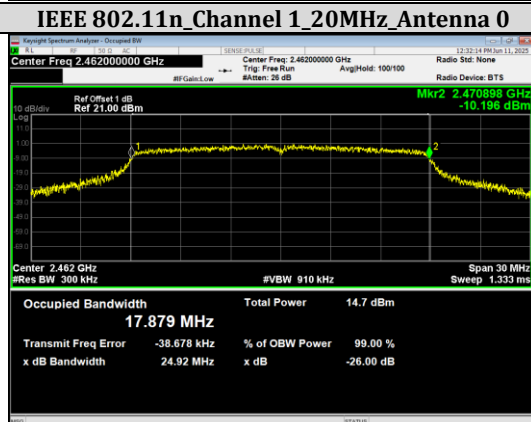
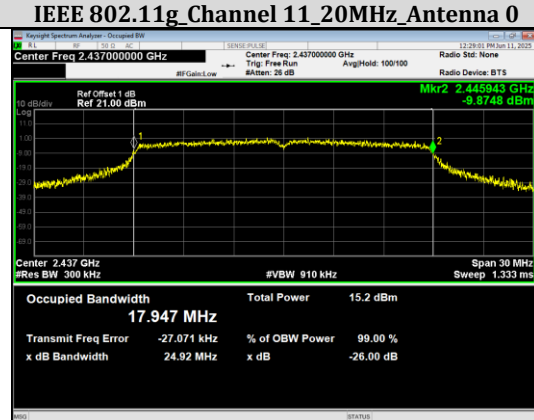
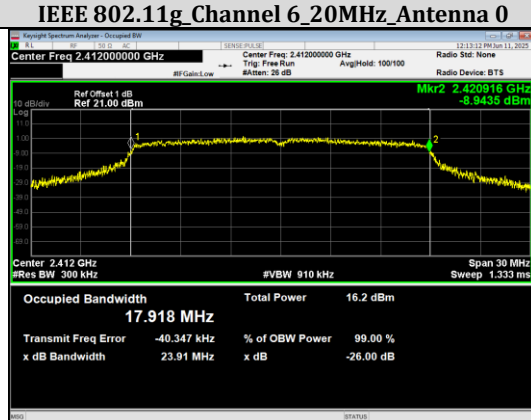
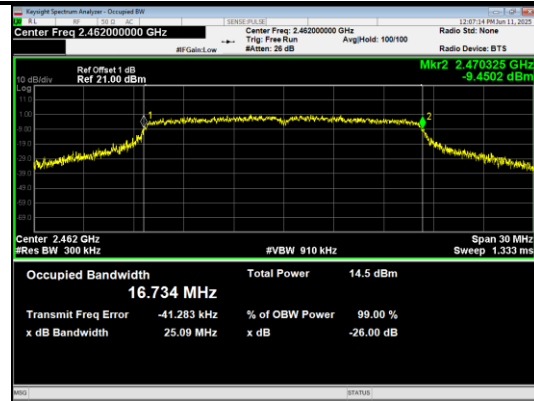
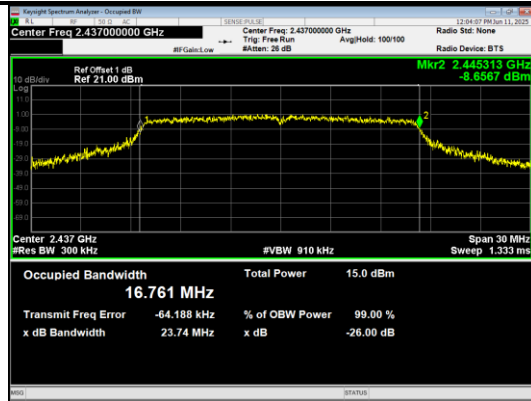


IEEE 802.11n_Channel 9_40MHz_Antenna 0

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

Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11b	1	0	2412	11.742
	6		2437	11.841
	11		2462	11.690
IEEE 802.11g	1		2412	16.717
	6		2437	16.761
	11		2462	16.734
IEEE 802.11n_20	1		2412	17.918
	6		2437	17.947
	11		2462	17.879
IEEE 802.11n_40	3		2422	36.192
	6		2437	36.228
	9		2452	36.215

Test Graphs



IEEE 802.11n_Channel 6_40MHz_Antenna 0

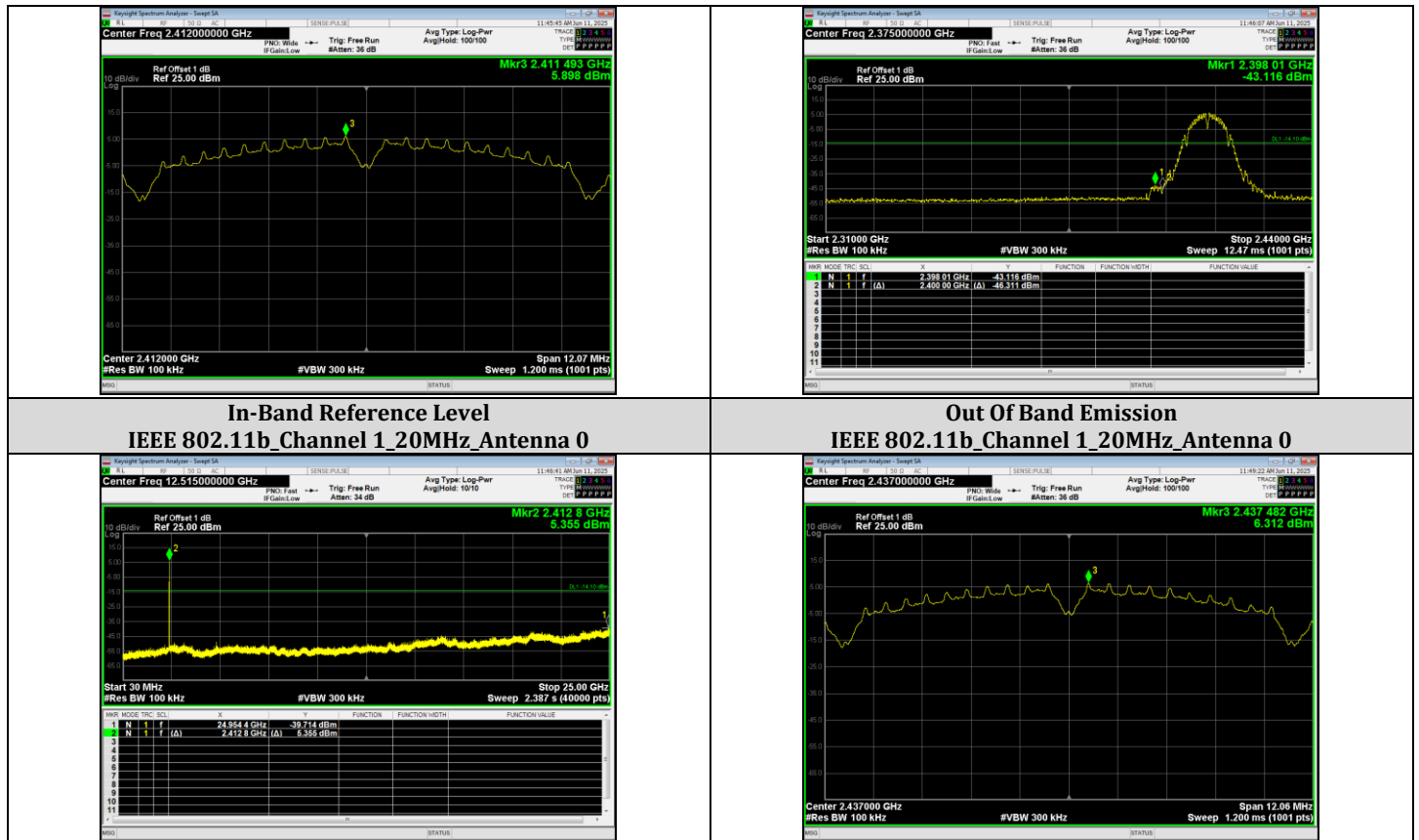
IEEE 802.11n_Channel 9_40MHz_Antenna 0

Conducted Out Of Band Emission

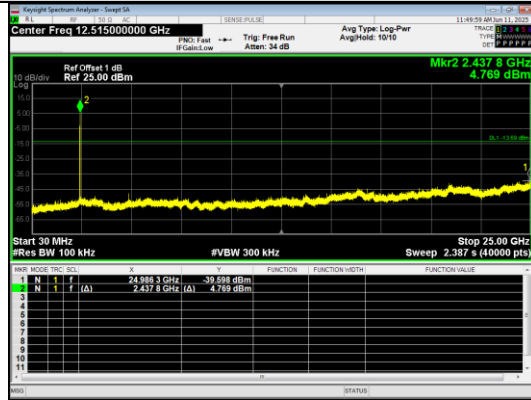
Test Result

Mode	Channel	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
IEEE 802.11b	1	0	2398.01	-43.116	-14.1	-29.016	PASS
			2400.00	-46.311	-14.1	-32.211	PASS
	6		24954.4	-39.714	-14.1	-25.614	PASS
	11		24986.3	-39.598	-13.69	-25.908	PASS
			2483.50	-52.538	-15.43	-37.108	PASS
	24893.9		-39.768	-15.43	-24.338	PASS	
IEEE 802.11g	1		2400.00	-29.659	-20.06	-9.599	PASS
			24302.7	-40.134	-20.06	-20.074	PASS
	6		24945.7	-39.306	-20.6	-18.706	PASS
	11		2483.50	-50.614	-21.6	-29.014	PASS
			24375.7	-39.617	-21.6	-18.017	PASS
IEEE 802.11n_20	1		2400.00	-29.280	-20.63	-8.650	PASS
			24917.6	-39.430	-20.63	-18.800	PASS
	6		24993.1	-39.059	-21.28	-17.779	PASS
	11		2483.50	-49.810	-22.11	-27.700	PASS
			24990.0	-39.455	-22.11	-17.345	PASS
IEEE 802.11n_40	3		2400.00	-33.654	-23.05	-10.604	PASS
			24985.0	-39.461	-23.05	-16.411	PASS
	6		24893.3	-40.242	-23.79	-16.452	PASS
	9		2483.50	-51.920	-23.83	-28.090	PASS
			25000.0	-39.824	-23.83	-15.994	PASS

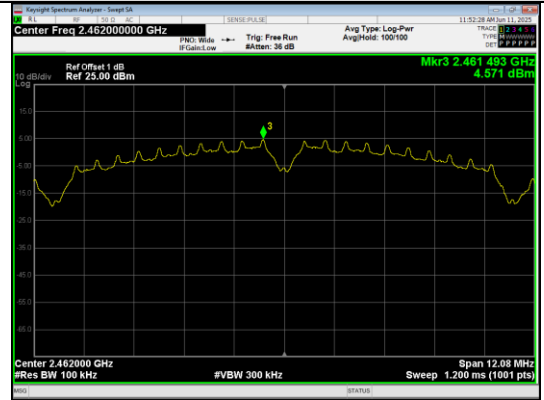
Test Graphs



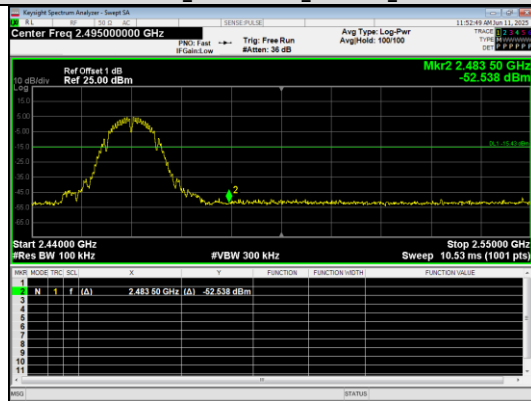
30.0 MHz - 25000.0 MHz IEEE 802.11b_Channel 1_20MHz_Antenna 0



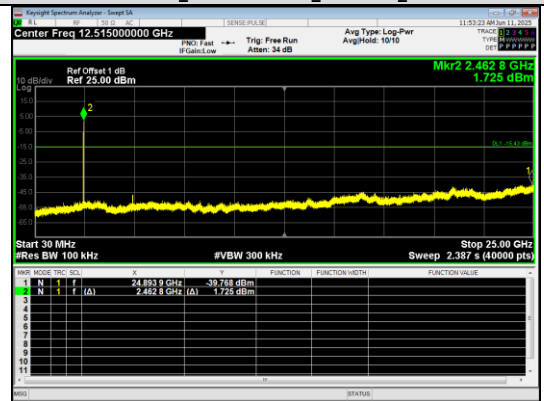
In-Band Reference Level IEEE 802.11b_Channel 6_20MHz_Antenna 0



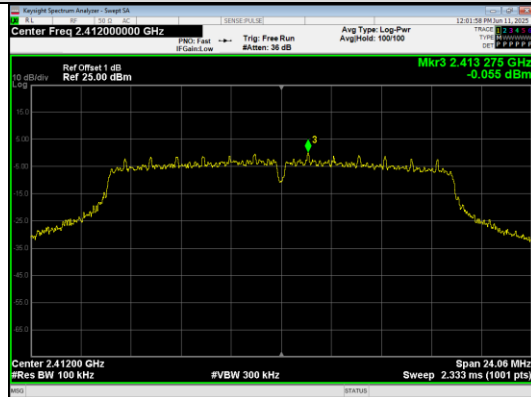
30.0 MHz - 25000.0 MHz IEEE 802.11b_Channel 6_20MHz_Antenna 0



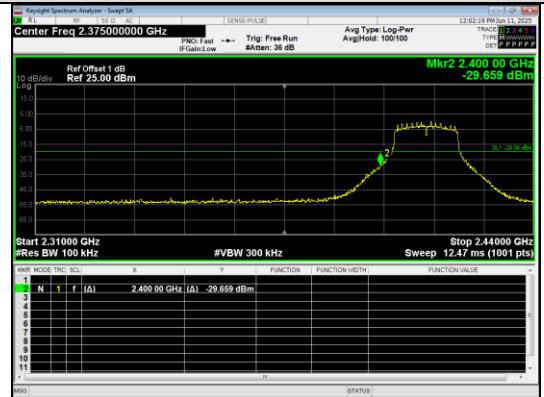
In-Band Reference Level IEEE 802.11b_Channel 11_20MHz_Antenna 0



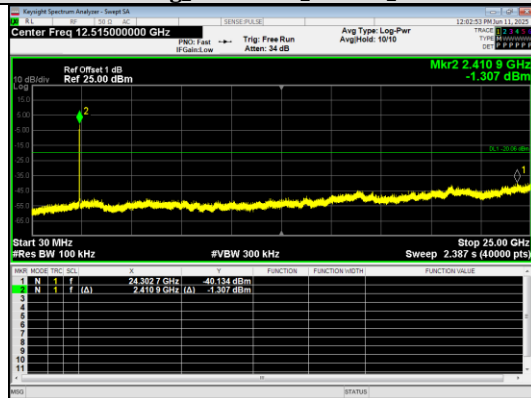
Out Of Band Emission IEEE 802.11b_Channel 11_20MHz_Antenna 0



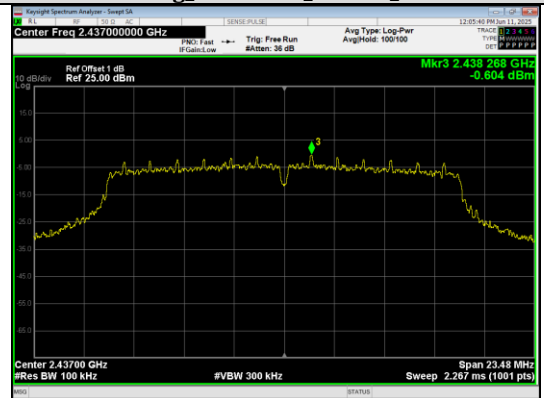
30.0 MHz - 25000.0 MHz IEEE 802.11b_Channel 11_20MHz_Antenna 0



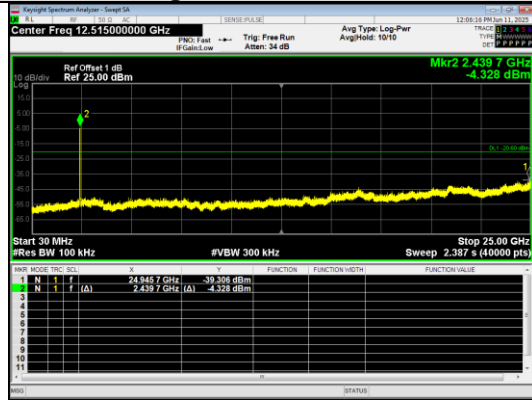
In-Band Reference Level IEEE 802.11g_Channel 1_20MHz_Antenna 0



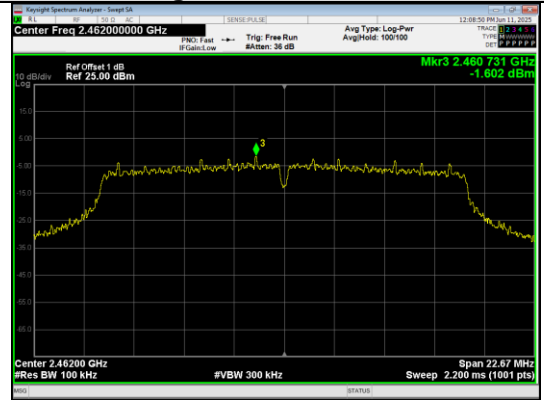
Out Of Band Emission IEEE 802.11g_Channel 1_20MHz_Antenna 0



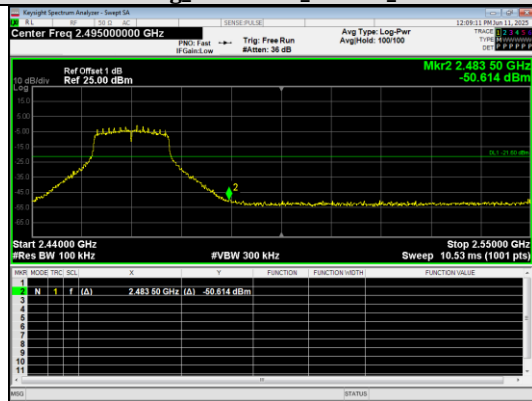
30.0 MHz - 25000.0 MHz IEEE 802.11g_Channel 1_20MHz_Antenna 0



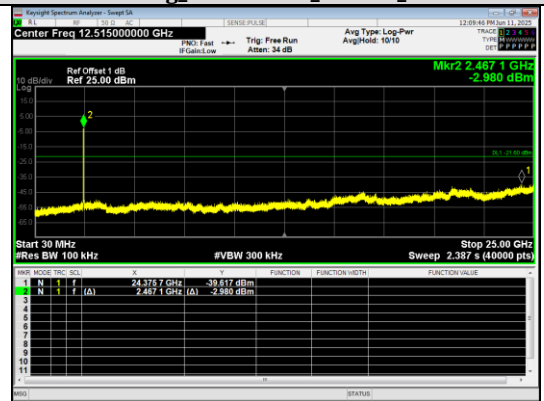
In-Band Reference Level IEEE 802.11g_Channel 6_20MHz_Antenna 0



30.0 MHz - 25000.0 MHz IEEE 802.11g_Channel 6_20MHz_Antenna 0



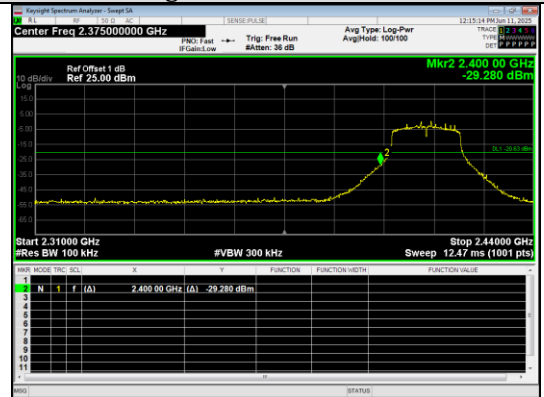
In-Band Reference Level IEEE 802.11g_Channel 11_20MHz_Antenna 0



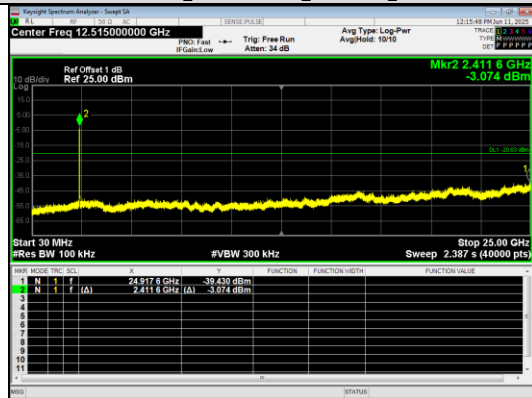
Out Of Band Emission IEEE 802.11g_Channel 11_20MHz_Antenna 0



30.0 MHz - 25000.0 MHz IEEE 802.11g_Channel 11_20MHz_Antenna 0



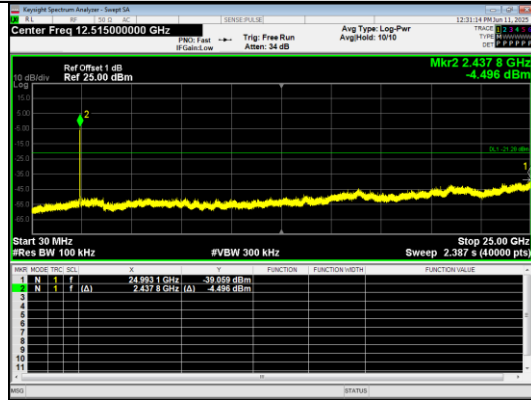
In-Band Reference Level IEEE 802.11n_Channel 1_20MHz_Antenna 0



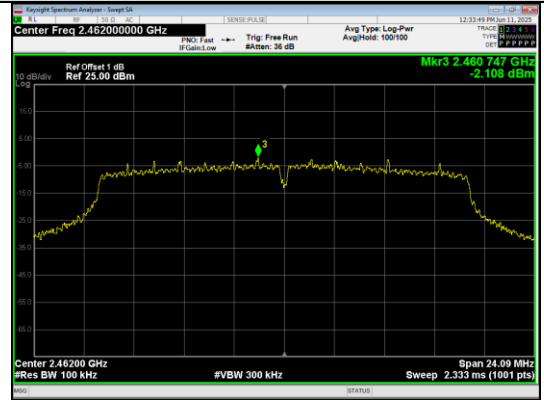
Out Of Band Emission IEEE 802.11n_Channel 1_20MHz_Antenna 0



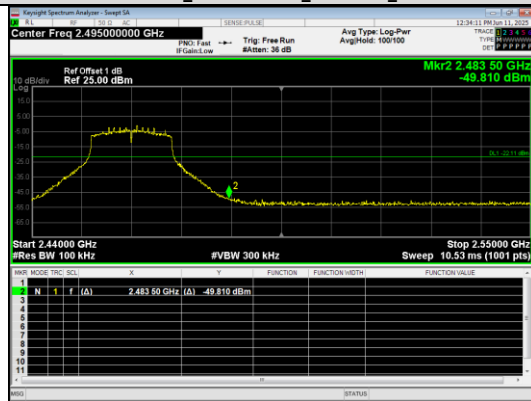
30.0 MHz - 25000.0 MHz IEEE 802.11n_Channel 1_20MHz_Antenna 0



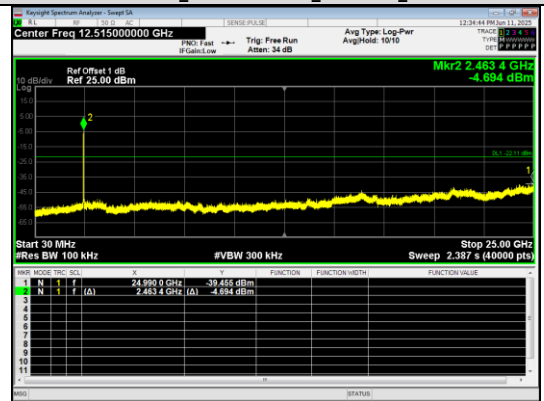
In-Band Reference Level IEEE 802.11n_Channel 6_20MHz_Antenna 0



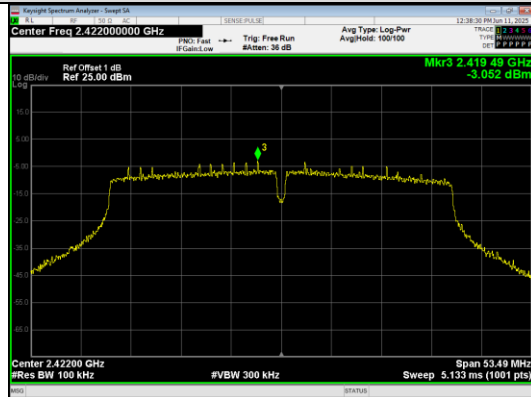
30.0 MHz - 25000.0 MHz IEEE 802.11n_Channel 6_20MHz_Antenna 0



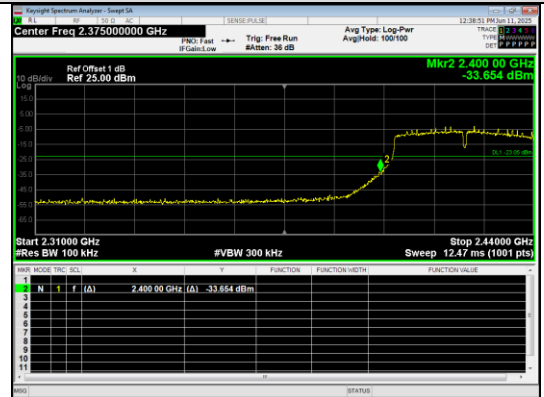
In-Band Reference Level IEEE 802.11n_Channel 11_20MHz_Antenna 0



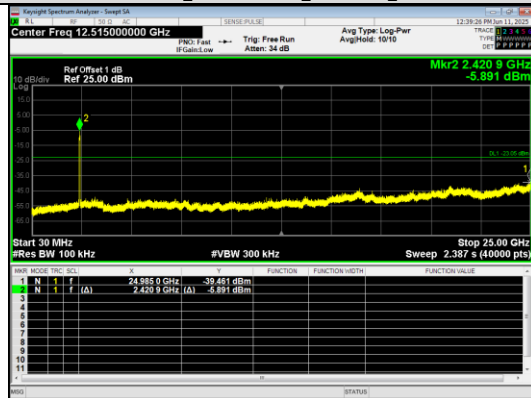
Out Of Band Emission IEEE 802.11n_Channel 11_20MHz_Antenna 0



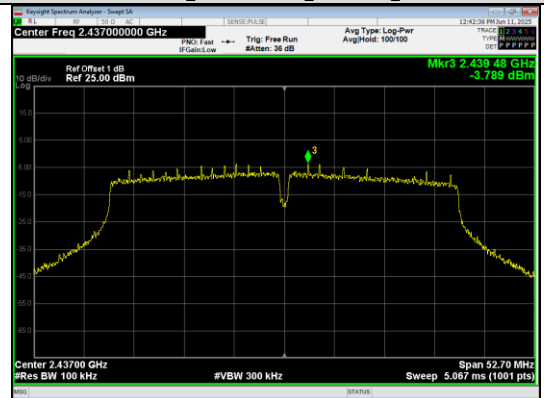
30.0 MHz - 25000.0 MHz IEEE 802.11n_Channel 11_20MHz_Antenna 0

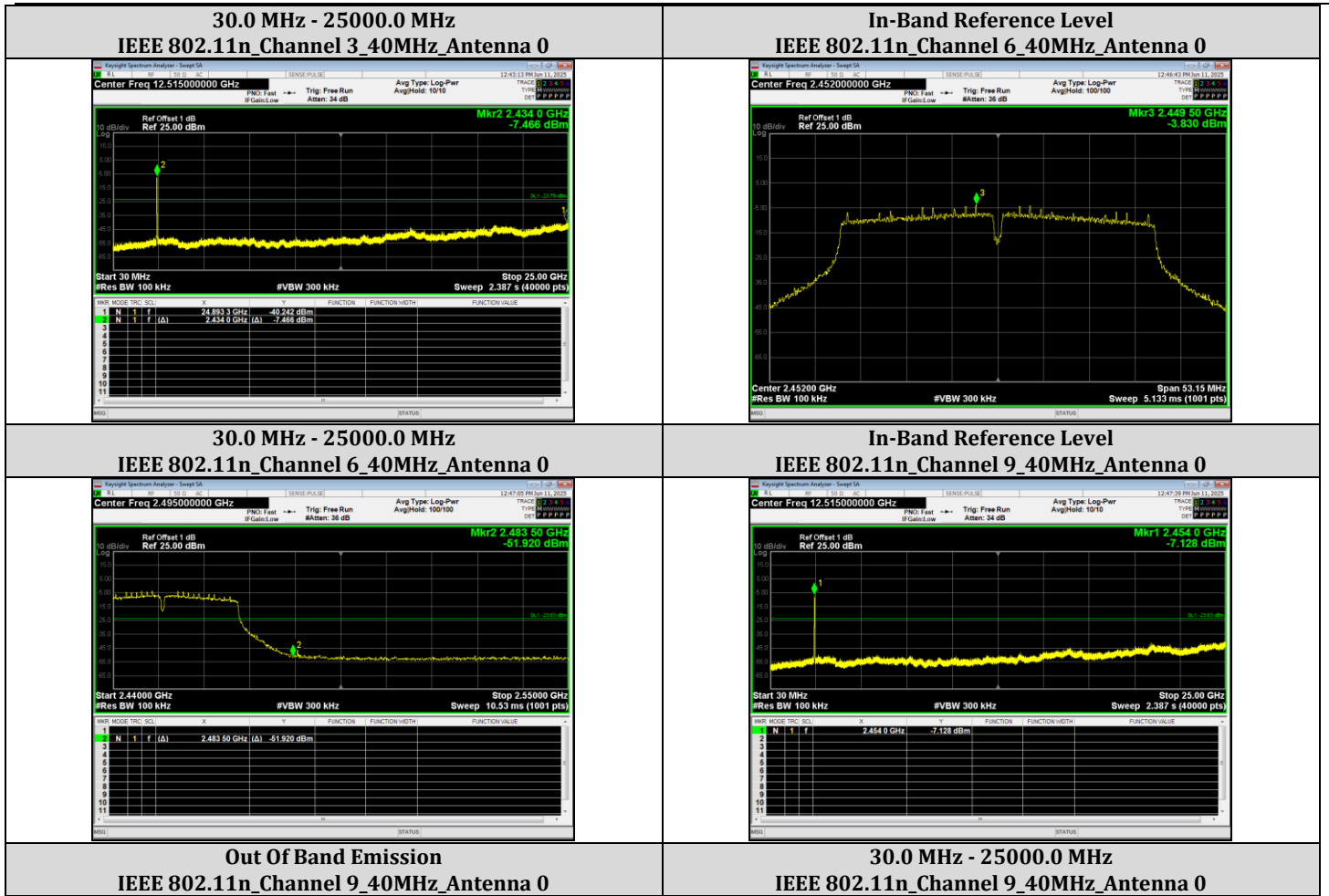


In-Band Reference Level IEEE 802.11n_Channel 3_40MHz_Antenna 0



Out Of Band Emission IEEE 802.11n_Channel 3_40MHz_Antenna 0





***** End of Report *****