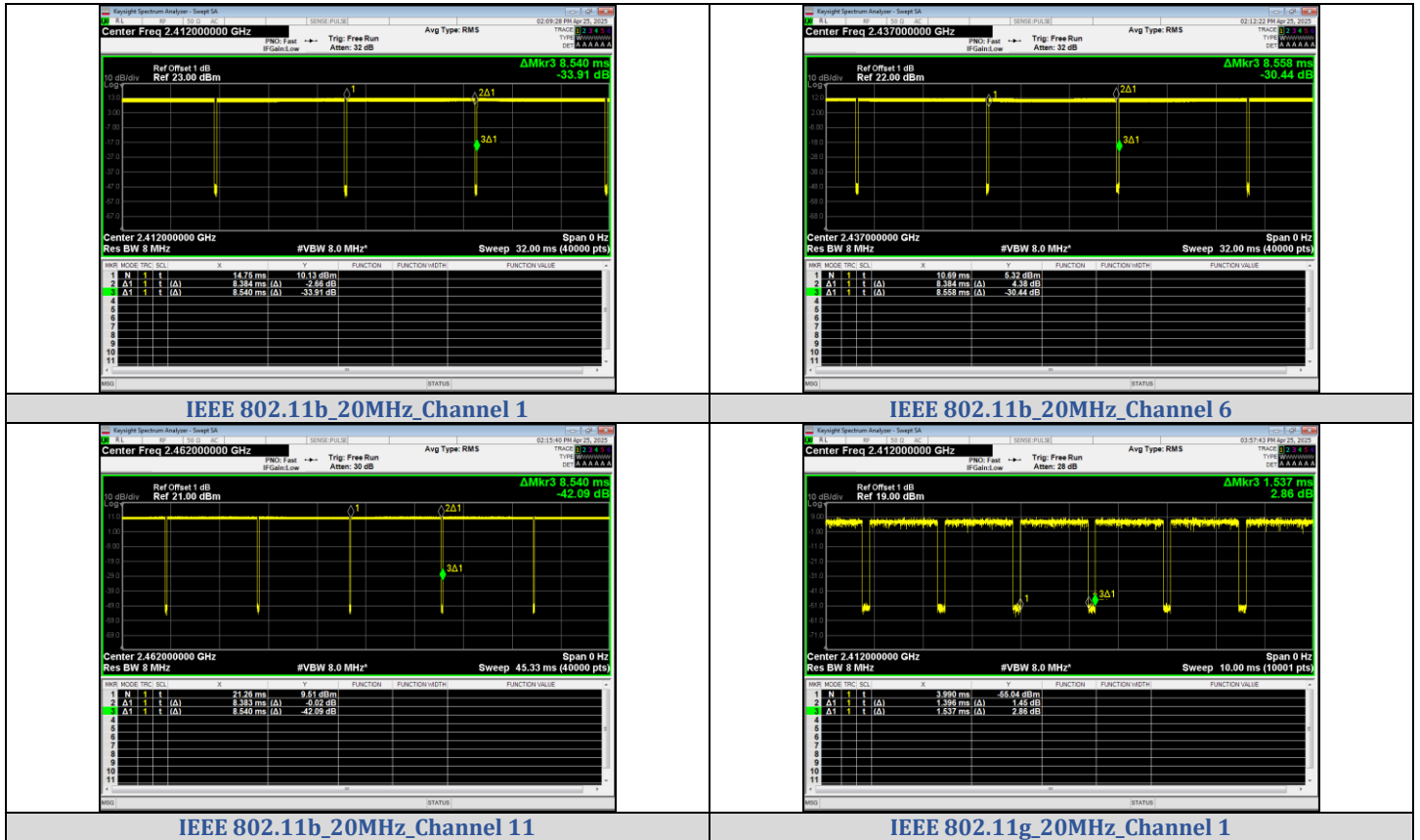


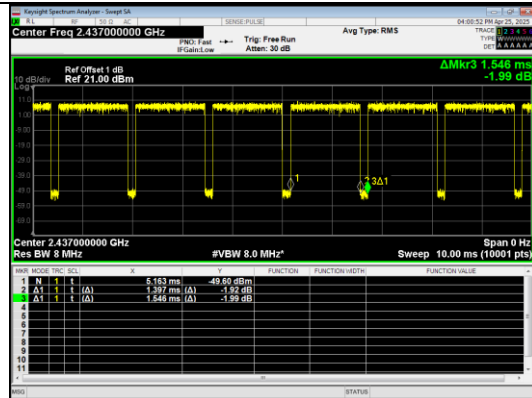
Duty Cycle

Test Result

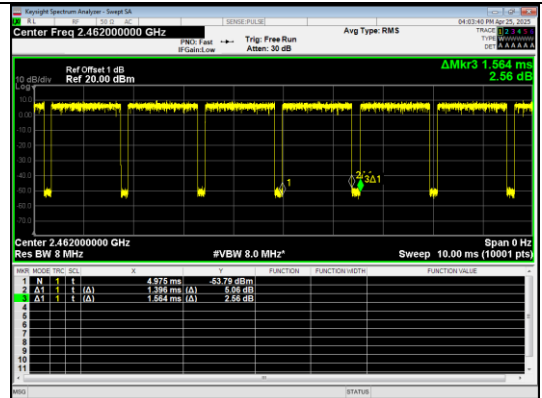
Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11b	1	1	1	8.384	8.540	98.17	0.9817	0.0802	0.1193
		6		8.384	8.558	97.96	0.9796	0.0895	0.1193
		11		8.383	8.540	98.17	0.9817	0.0802	0.1193
IEEE 802.11g		1		1.396	1.537	90.83	0.9083	0.4177	0.7163
		6		1.397	1.546	90.36	0.9036	0.4402	0.7158
		11		1.396	1.564	89.26	0.8926	0.4934	0.7163
IEEE 802.11n_20	MCS 0	1		1.177	1.328	88.64	0.8864	0.5237	0.8496
		6		1.176	1.327	88.63	0.8863	0.5242	0.8503
		11		1.178	1.328	88.70	0.8870	0.5208	0.8489
IEEE 802.11n_40		3		0.589	0.740	79.58	0.7958	0.992	1.6978
		6		0.589	0.757	77.73	0.7773	1.0941	1.6978
		9		0.589	0.730	80.67	0.8067	0.9329	1.6978

Test Graphs

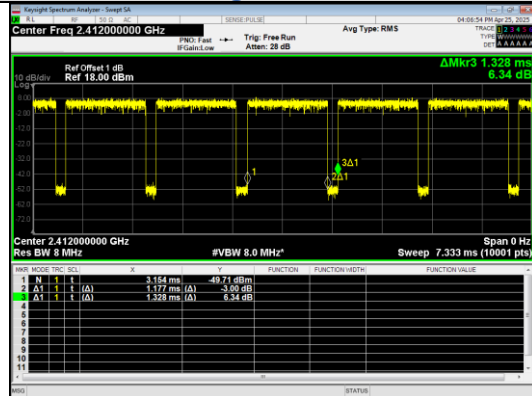




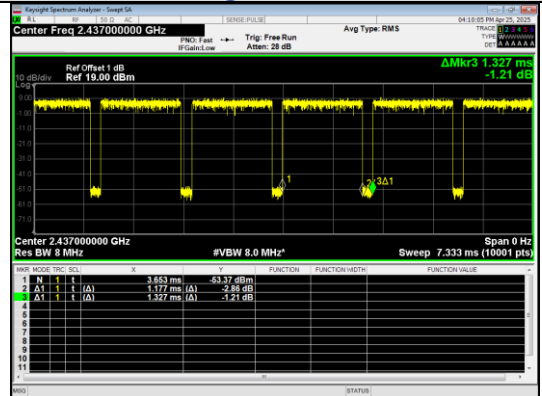
IEEE 802.11g_20MHz_Channel 6



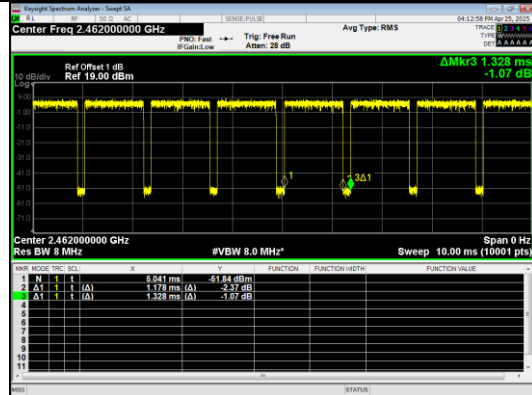
IEEE 802.11g_20MHz_Channel 11



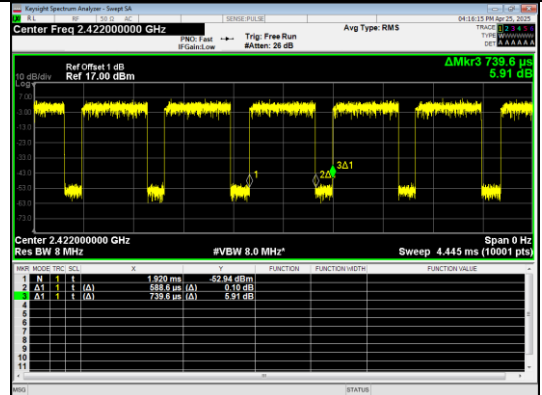
IEEE 802.11n_20MHz_Channel 1



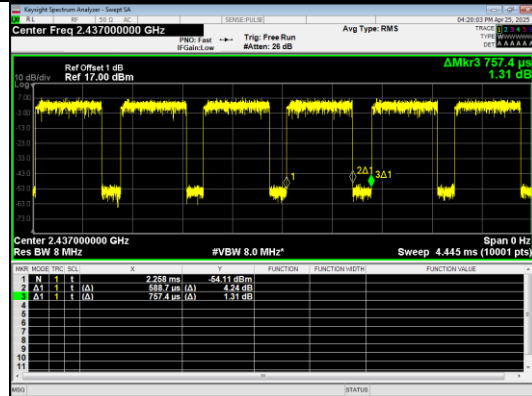
IEEE 802.11n_20MHz_Channel 6



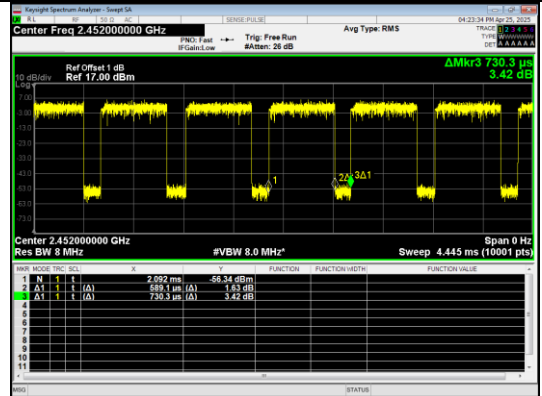
IEEE 802.11n_20MHz_Channel 11



IEEE 802.11n_40MHz_Channel 3



IEEE 802.11n_40MHz_Channel 6



IEEE 802.11n_40MHz_Channel 9

Conducted Output Power

Test Result

Conducted Output Power

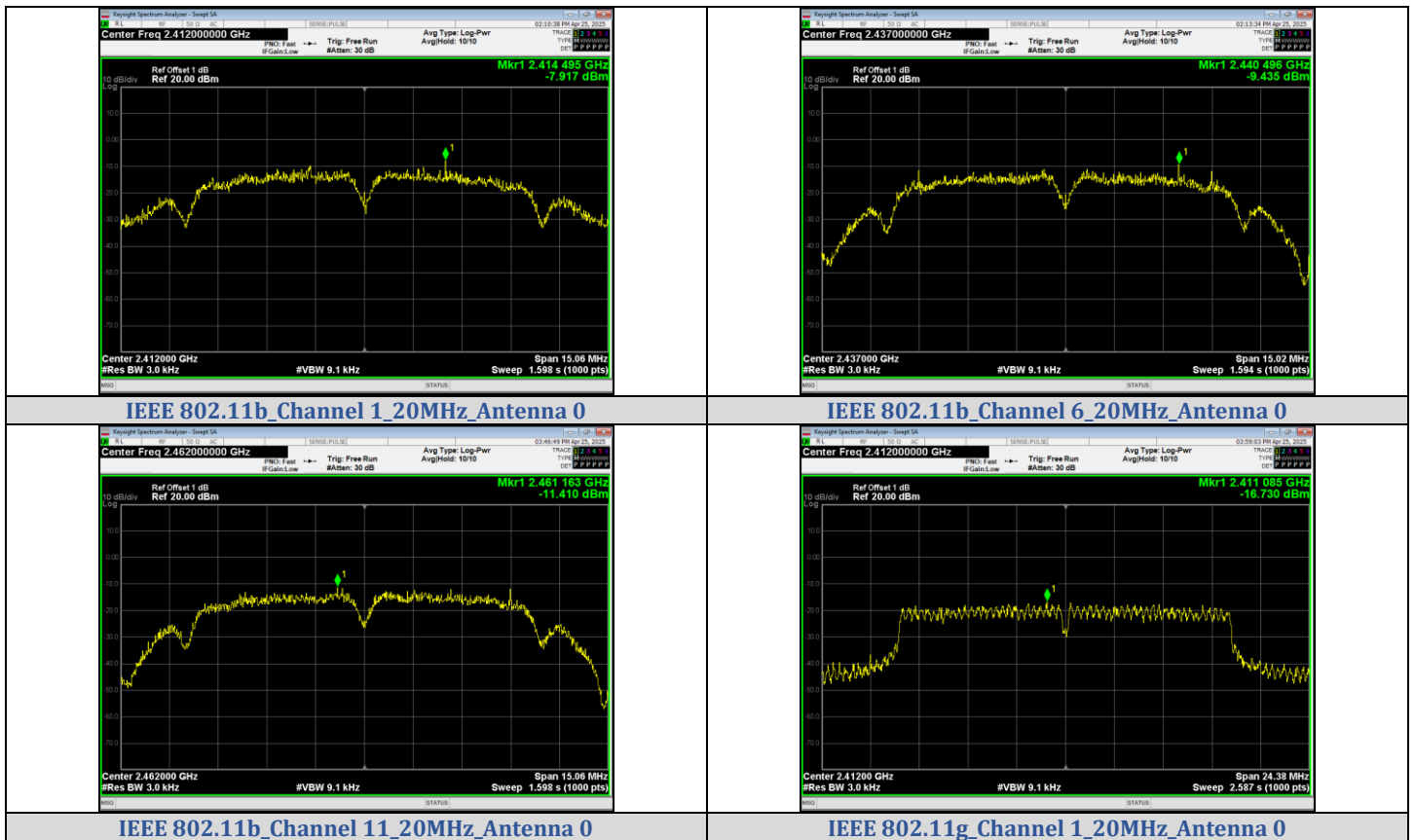
Mode	Channel	Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11b	1	15.28	≤30	PASS
	6	14.32	≤30	PASS
	11	13.86	≤30	PASS
IEEE 802.11g	1	15.85	≤30	PASS
	6	16.86	≤30	PASS
	11	16.09	≤30	PASS
IEEE 802.11n_20	1	15.02	≤30	PASS
	6	16.11	≤30	PASS
	11	15.32	≤30	PASS
IEEE 802.11n_40	3	14.47	≤30	PASS
	6	16.03	≤30	PASS
	9	14.64	≤30	PASS

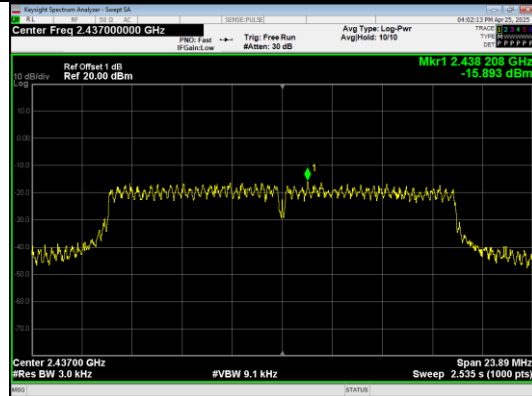
Power Spectral Density

Test Result

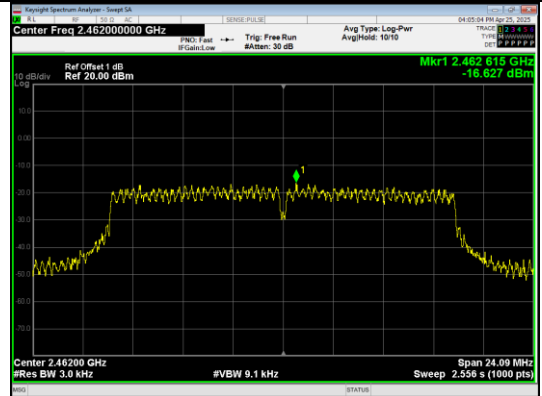
Mode	Channel	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
IEEE 802.11b	1	-7.917	≤8	PASS
	6	-9.435		PASS
	11	-11.410		PASS
IEEE 802.11g	1	-16.730		PASS
	6	-15.893		PASS
	11	-16.627		PASS
IEEE 802.11n_20	1	-17.938		PASS
	6	-17.039		PASS
	11	-17.957		PASS
IEEE 802.11n_40	3	-21.651		PASS
	6	-20.315		PASS
	9	-21.025		PASS

Test Graphs

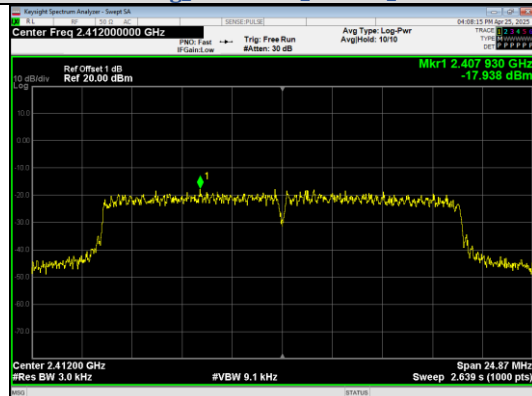




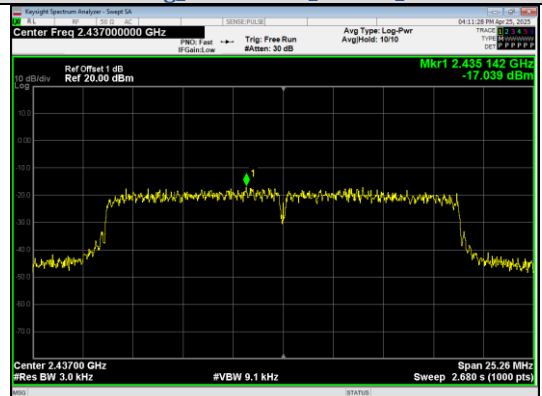
IEEE 802.11g_Channel 6_20MHz_Antenna 0



IEEE 802.11g_Channel 11_20MHz_Antenna 0



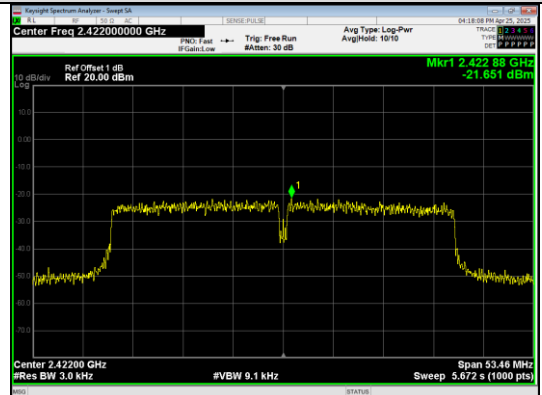
IEEE 802.11n_Channel 1_20MHz_Antenna 0



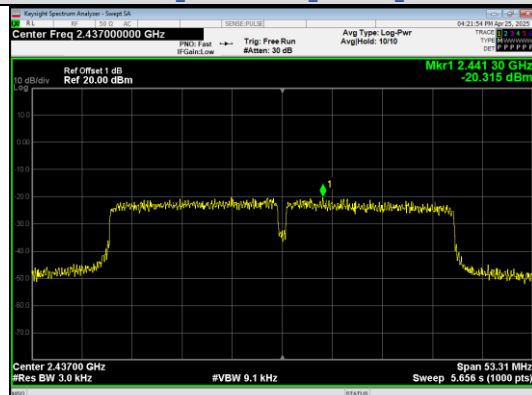
IEEE 802.11n_Channel 6_20MHz_Antenna 0



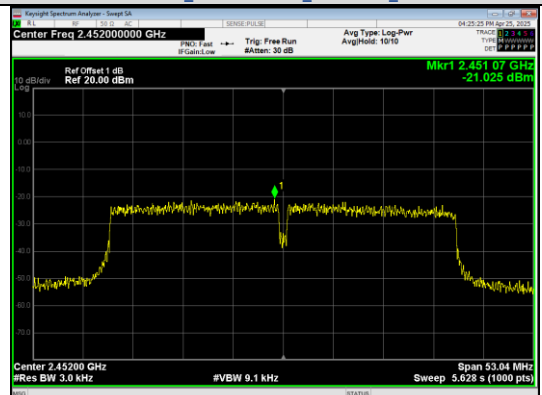
IEEE 802.11n_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 3_40MHz_Antenna 0



IEEE 802.11n_Channel 6_40MHz_Antenna 0



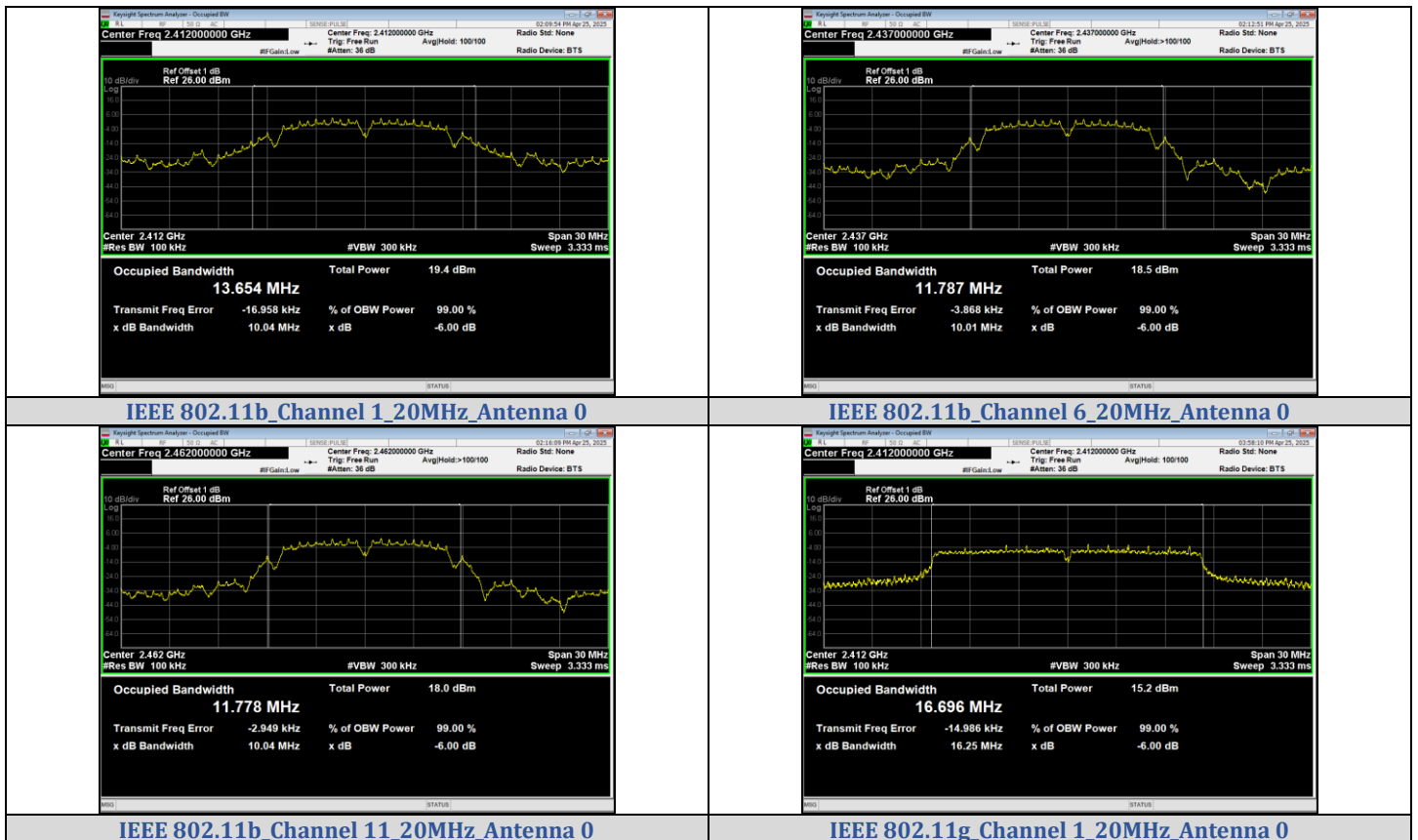
IEEE 802.11n_Channel 9_40MHz_Antenna 0

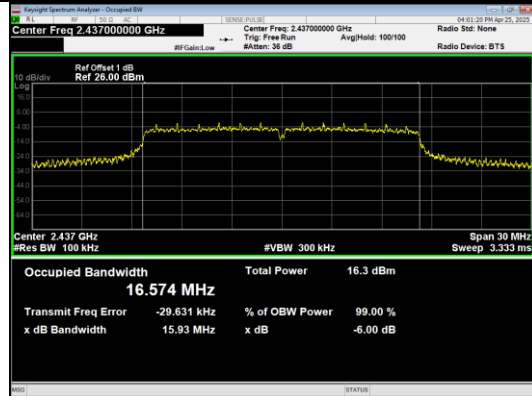
6dB Bandwidth

Test Result

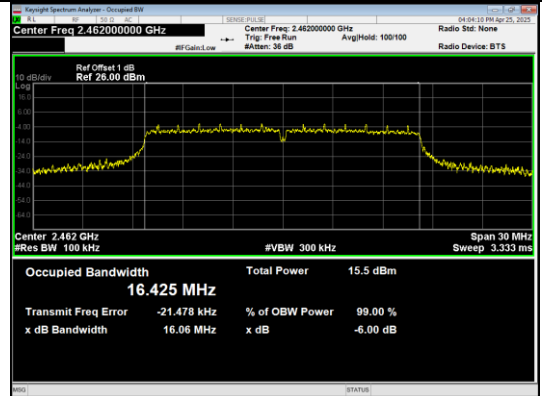
Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11b	1	0	2412	10.04	≥0.5	PASS
	6		2437	10.01		PASS
	11		2462	10.04		PASS
IEEE 802.11g	1		2412	16.25		PASS
	6		2437	15.93		PASS
	11		2462	16.06		PASS
IEEE 802.11n_20	1		2412	16.58		PASS
	6		2437	16.84		PASS
	11		2462	16.59		PASS
IEEE 802.11n_40	3		2422	35.64		PASS
	6		2437	35.54		PASS
	9		2452	35.36		PASS

Test Graphs

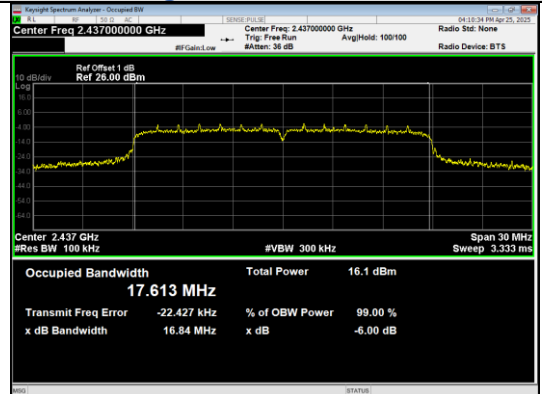
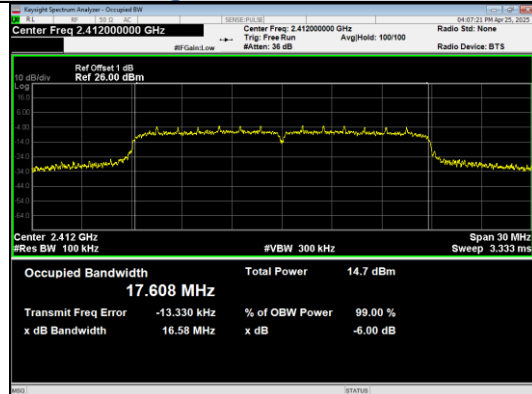




IEEE 802.11g Channel 6 20MHz Antenna 0

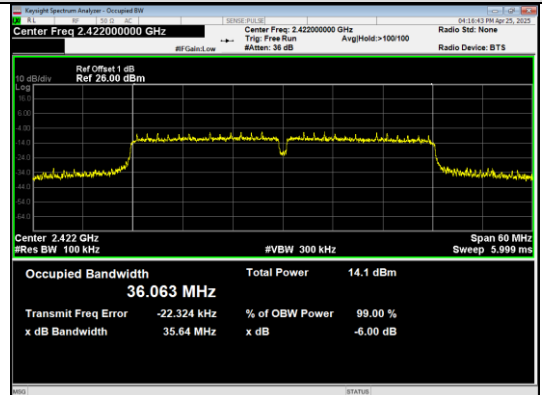
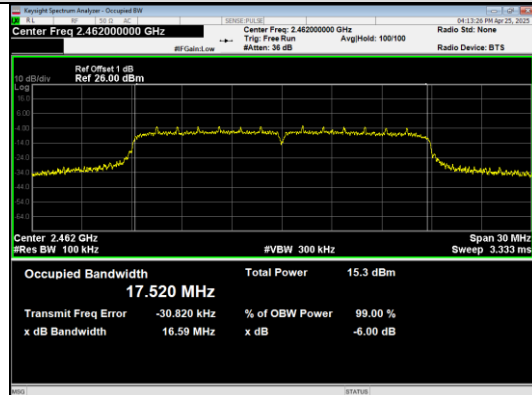


IEEE 802.11g Channel 11 20MHz Antenna 0



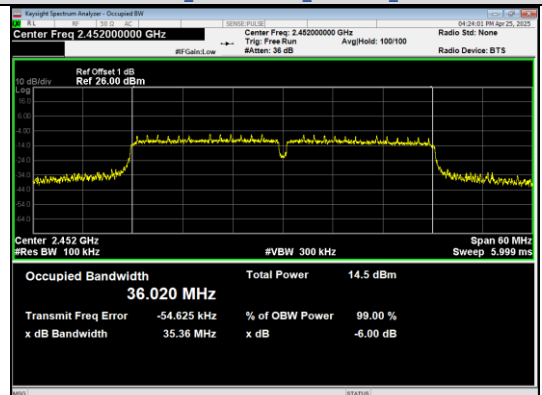
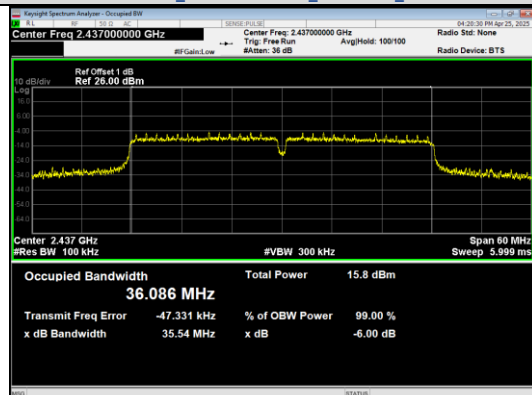
IEEE 802.11n Channel 1 20MHz Antenna 0

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

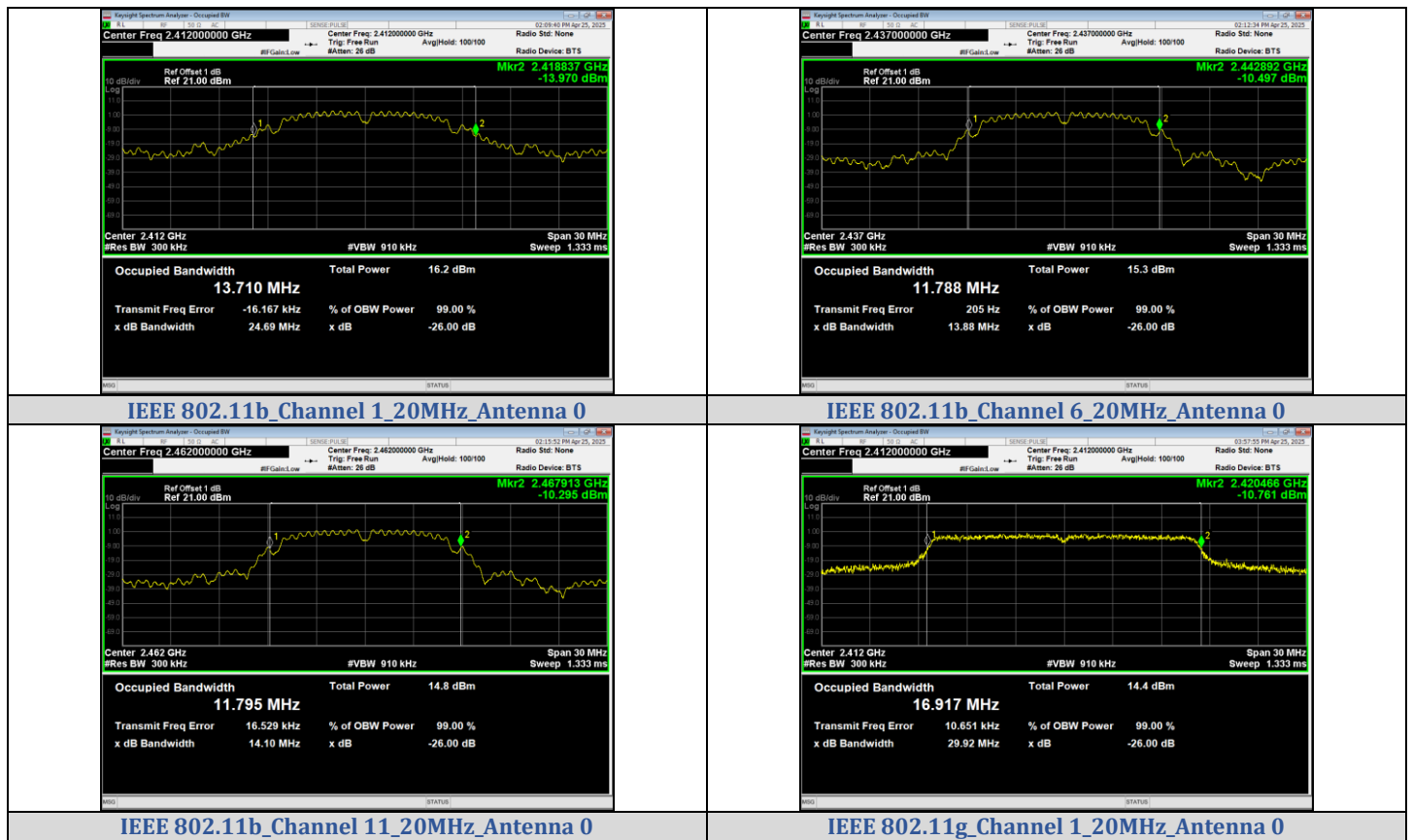
IEEE 802.11n Channel 9 40MHz Antenna 0

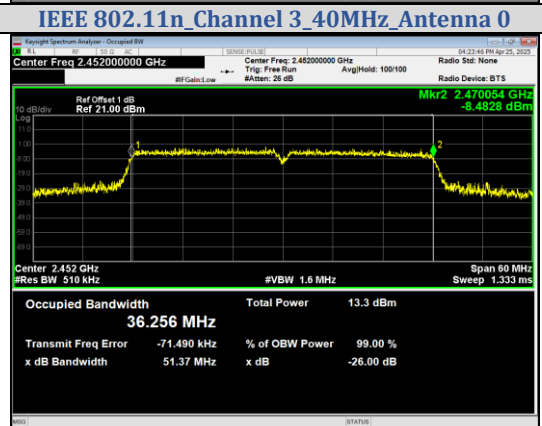
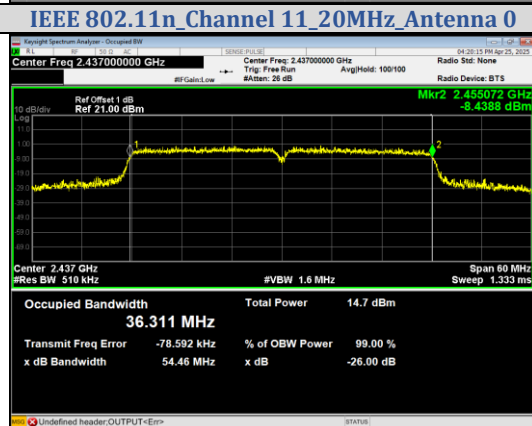
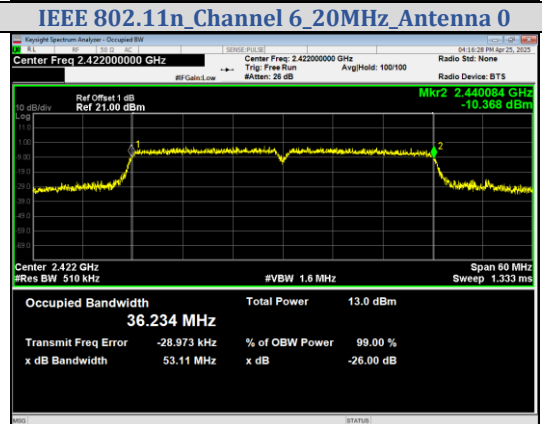
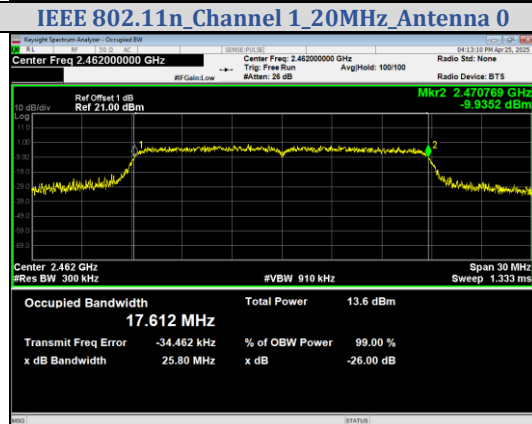
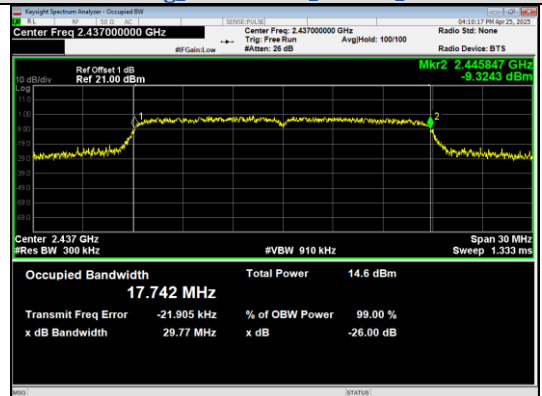
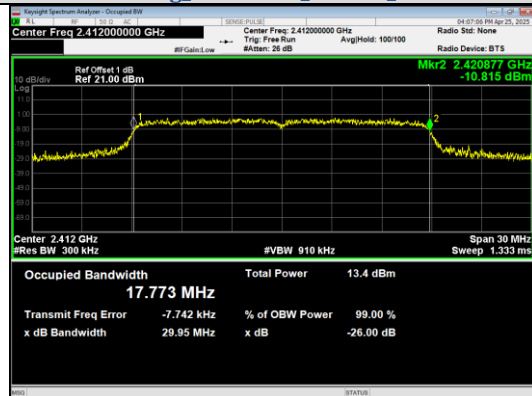
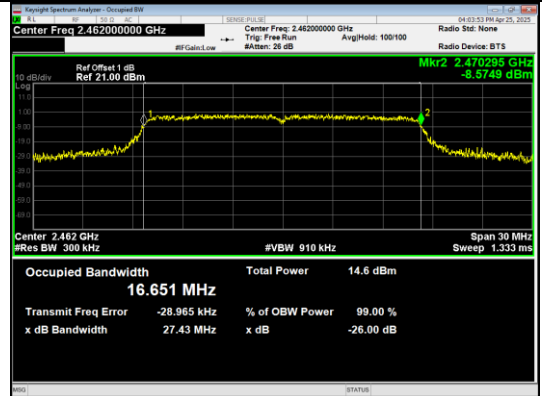
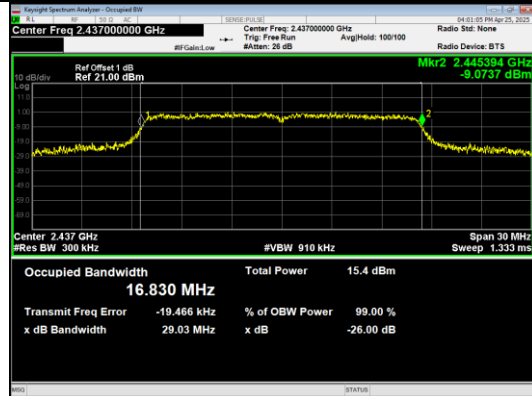
99% Bandwidth

Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11b	1	0	2412	13.710
	6		2437	11.788
	11		2462	11.795
IEEE 802.11g	1		2412	16.917
	6		2437	16.830
	11		2462	16.651
IEEE 802.11n_20	1		2412	17.773
	6		2437	17.742
	11		2462	17.612
IEEE 802.11n_40	3		2422	36.234
	6		2437	36.311
	9		2452	36.256

Test Graphs





IEEE 802.11n Channel 6 40MHz Antenna 0

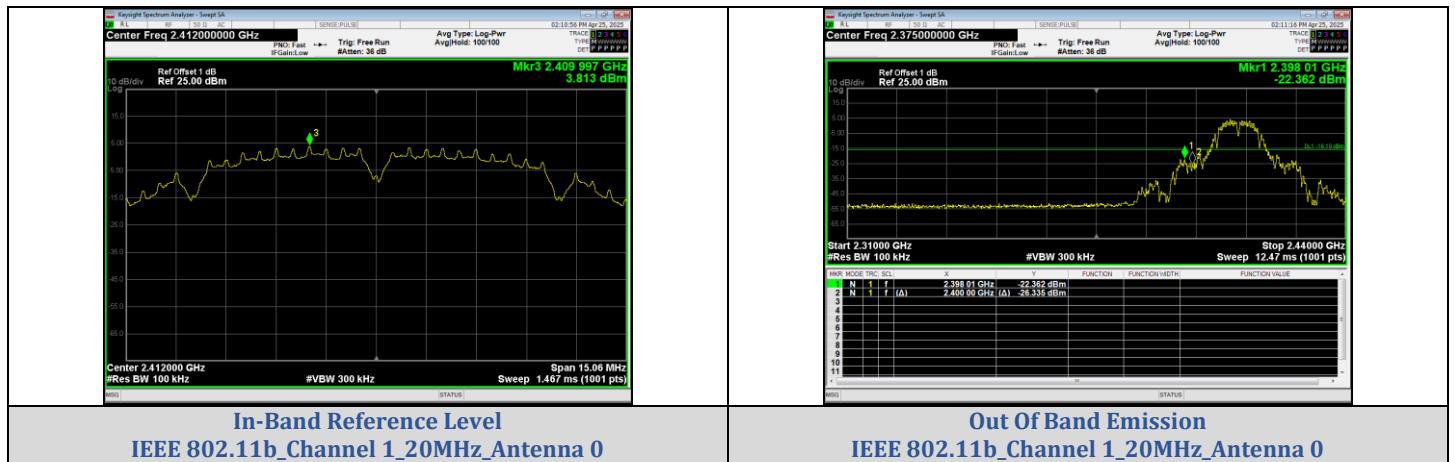
IEEE 802.11n Channel 9 40MHz Antenna 0

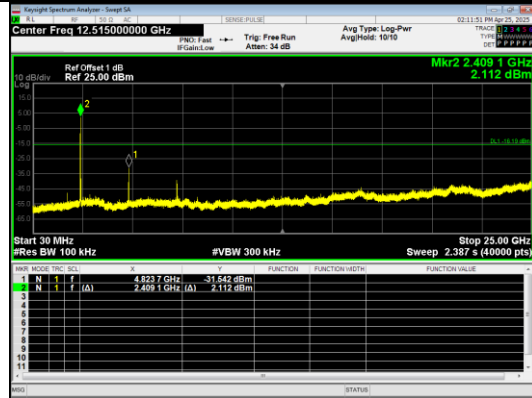
Conducted Out of Band Emission

Test Result

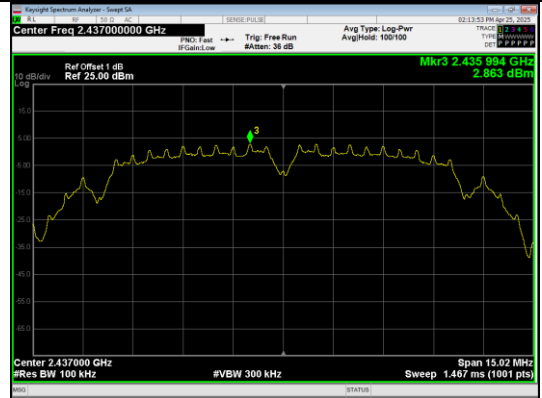
Mode	Channel	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
IEEE 802.11b	1	0	2398.01	-22.362	-16.19	-6.172	PASS
			2400.00	-26.335	-16.19	-10.145	PASS
	4823.70		-31.542	-16.19	-15.352	PASS	
	6		4874.30	-35.833	-17.14	-18.693	PASS
	11		2483.50	-39.942	-17.54	-22.402	PASS
			7386.97	-38.485	-17.54	-20.945	PASS
IEEE 802.11g	1		2398.92	-26.477	-21.59	-4.887	PASS
			2400.00	-27.334	-21.59	-5.744	PASS
	6		24980.6	-39.461	-21.59	-17.871	PASS
	11		24367.6	-40.060	-20.49	-19.570	PASS
			2483.50	-42.441	-21.55	-20.891	PASS
	24907.6		-40.282	-21.55	-18.732	PASS	
IEEE 802.11n_20	1		2400.00	-27.870	-22.44	-5.430	PASS
	6		24959.4	-40.176	-22.44	-17.736	PASS
			24962.5	-39.790	-21.34	-18.450	PASS
	11		2483.50	-43.202	-22.24	-20.962	PASS
			24975.0	-40.323	-22.24	-18.083	PASS
IEEE 802.11n_40	3		824.70	-34.427	-26.47	-7.957	PASS
			2394.50	-31.294	-26.47	-4.824	PASS
	6		2400.00	-32.226	-26.47	-5.756	PASS
	9		24894.5	-39.661	-24.72	-14.941	PASS
			2483.50	-39.702	-26.21	-13.492	PASS
			24717.2	-40.414	-26.21	-14.204	PASS

Test Graphs

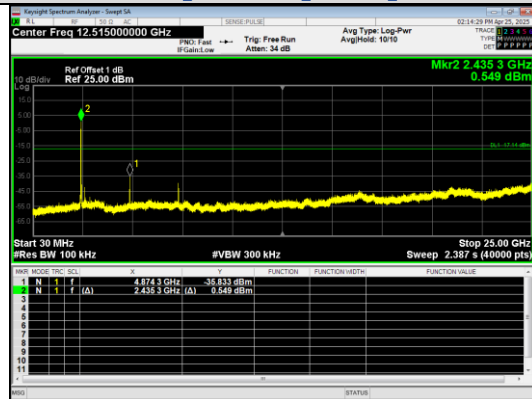




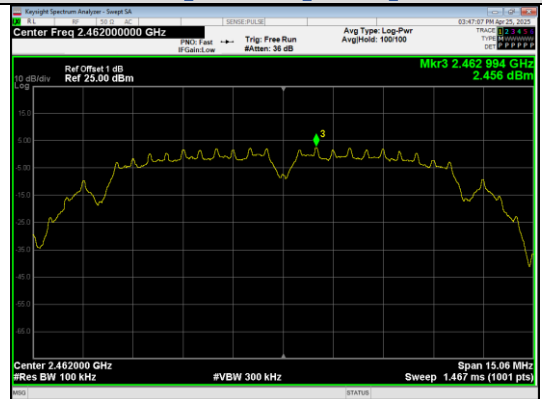
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 1_20MHz_Antenna 0



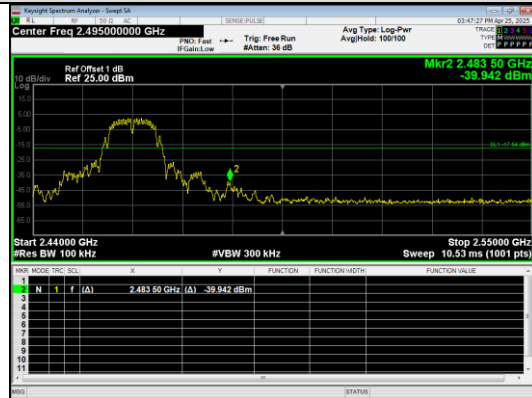
In-Band Reference Level
IEEE 802.11b_Channel 6_20MHz_Antenna 0



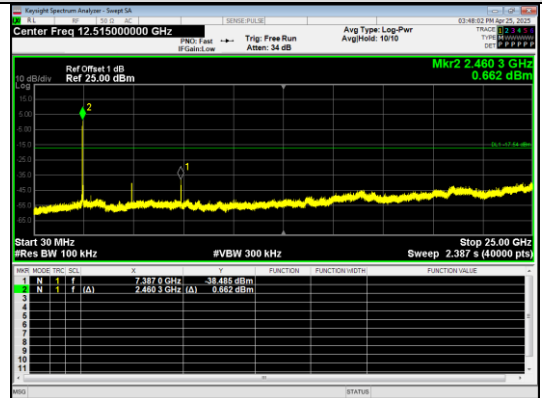
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 6_20MHz_Antenna 0



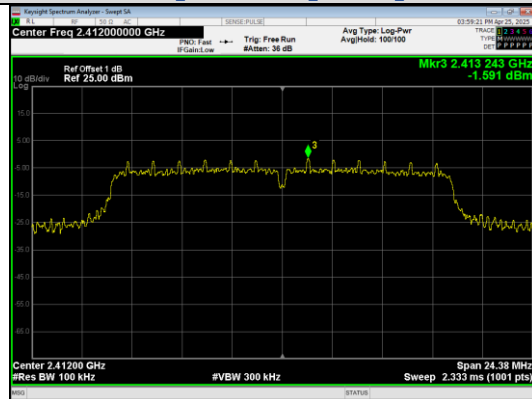
In-Band Reference Level
IEEE 802.11b_Channel 11_20MHz_Antenna 0



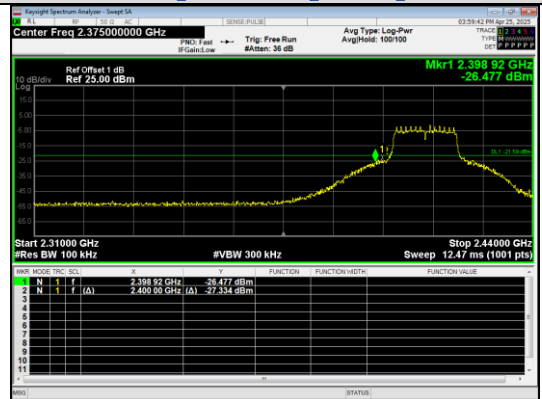
Out Of Band Emission
IEEE 802.11b_Channel 11_20MHz_Antenna 0



30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 11_20MHz_Antenna 0

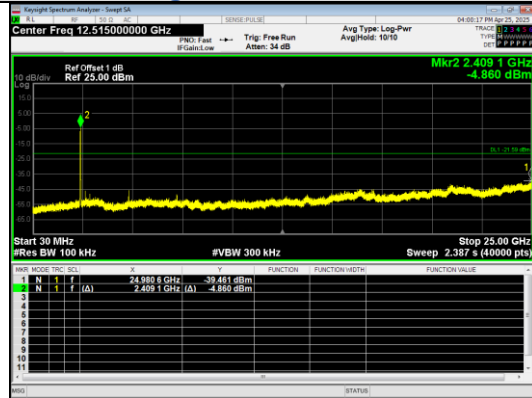


In-Band Reference Level

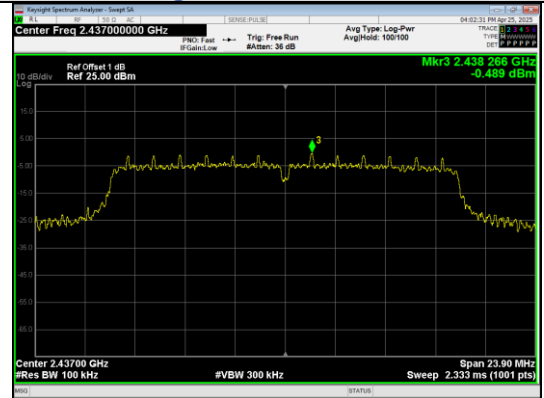


Out Of Band Emission

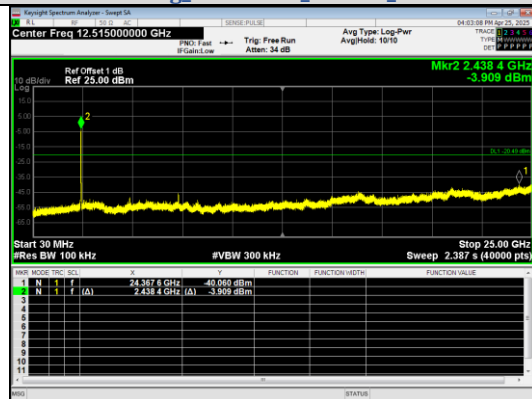
IEEE 802.11g_Channel 1_20MHz_Antenna 0



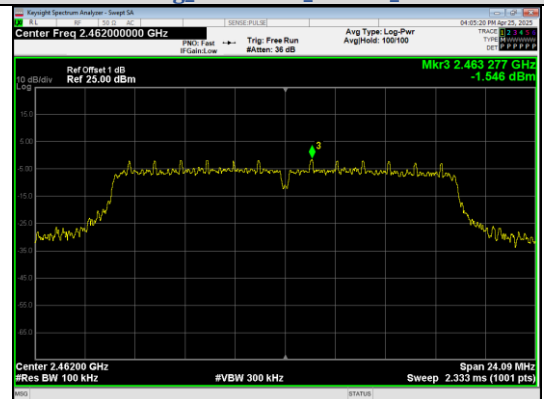
IEEE 802.11g_Channel 1_20MHz_Antenna 0



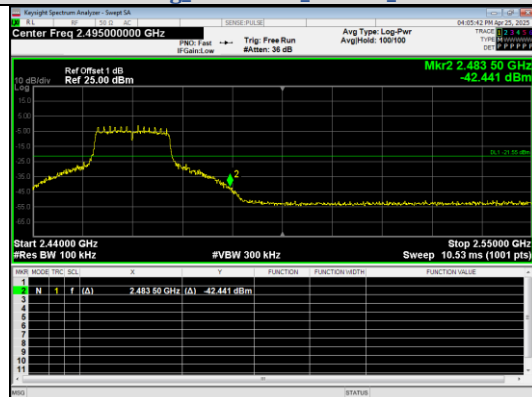
30.0 MHz - 25000.0 MHz IEEE 802.11g_Channel 1_20MHz_Antenna 0



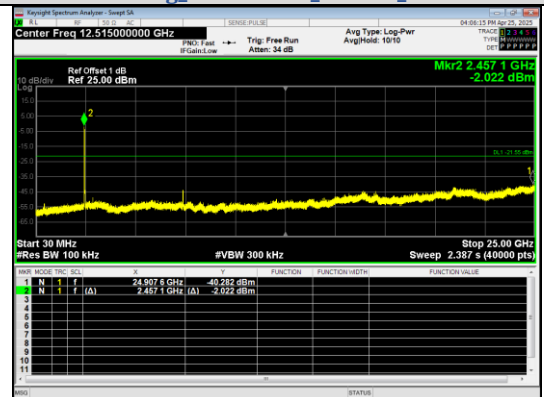
In-Band Reference Level IEEE 802.11g_Channel 6_20MHz_Antenna 0



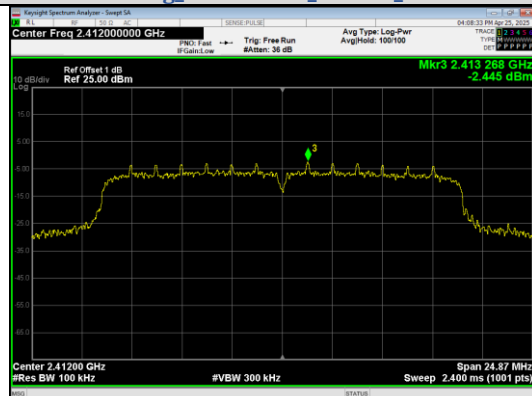
30.0 MHz - 25000.0 MHz IEEE 802.11g_Channel 6_20MHz_Antenna 0



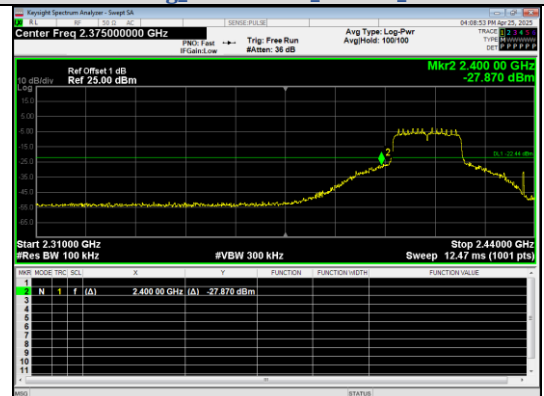
In-Band Reference Level IEEE 802.11g_Channel 11_20MHz_Antenna 0



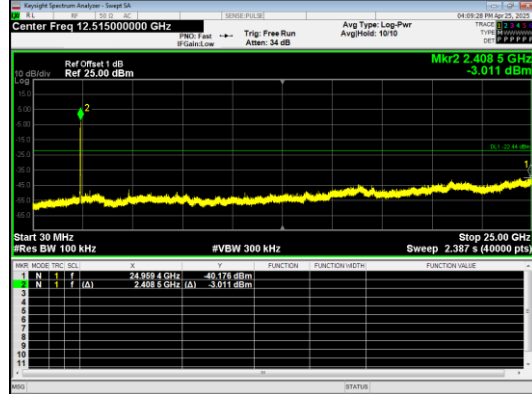
Out Of Band Emission IEEE 802.11g_Channel 11_20MHz_Antenna 0



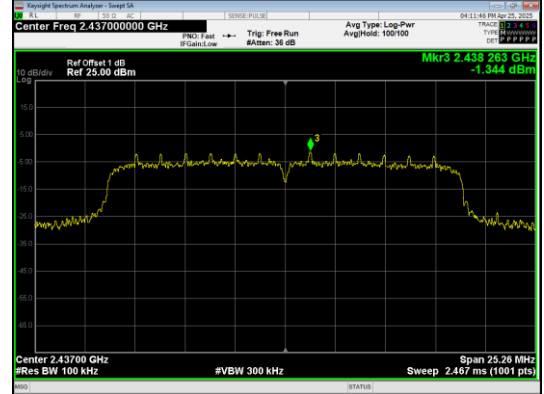
30.0 MHz - 25000.0 MHz IEEE 802.11g_Channel 11_20MHz_Antenna 0



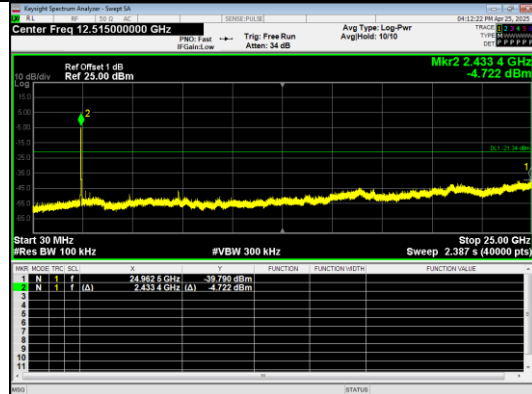
In-Band Reference Level IEEE 802.11n_Channel 1_20MHz_Antenna 0



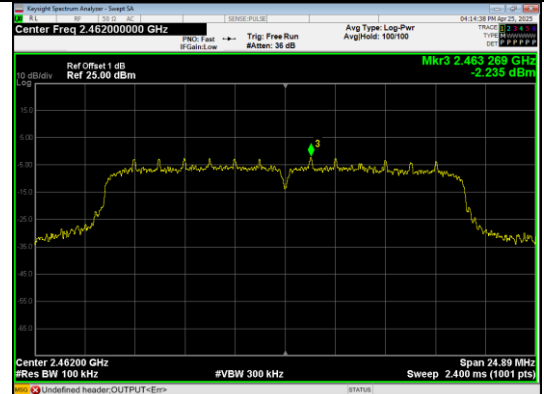
Out Of Band Emission IEEE 802.11n_Channel 1_20MHz_Antenna 0



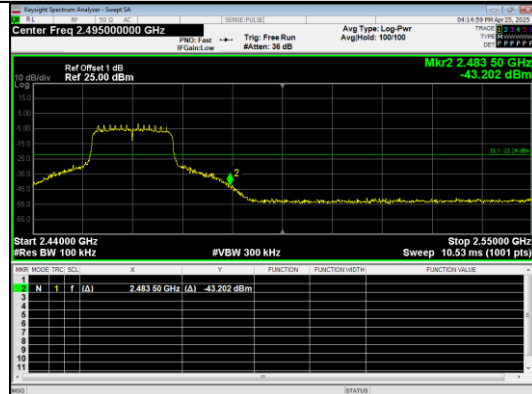
30.0 MHz - 25000.0 MHz IEEE 802.11n_Channel 1_20MHz_Antenna 0



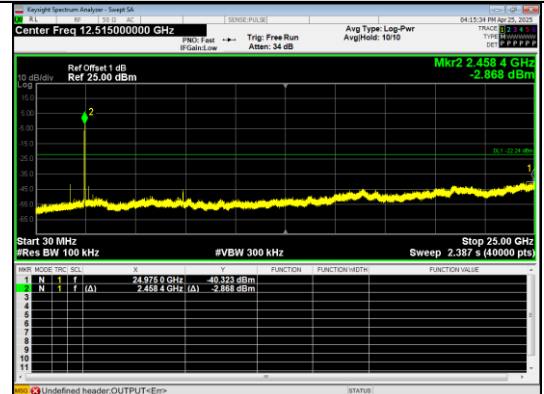
In-Band Reference Level IEEE 802.11n_Channel 6_20MHz_Antenna 0



30.0 MHz - 25000.0 MHz IEEE 802.11n_Channel 6_20MHz_Antenna 0

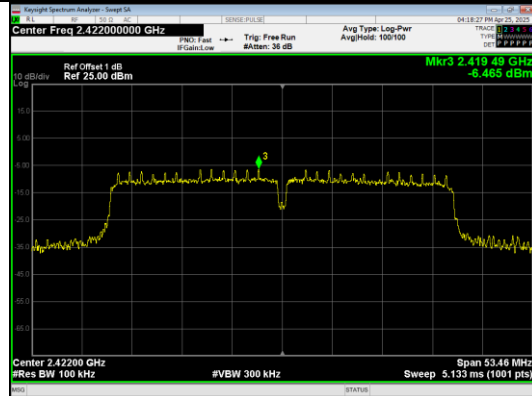


In-Band Reference Level IEEE 802.11n_Channel 11_20MHz_Antenna 0

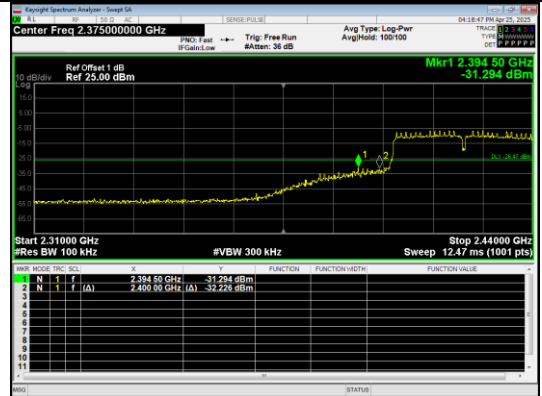


Out Of Band Emission IEEE 802.11n_Channel 11_20MHz_Antenna 0

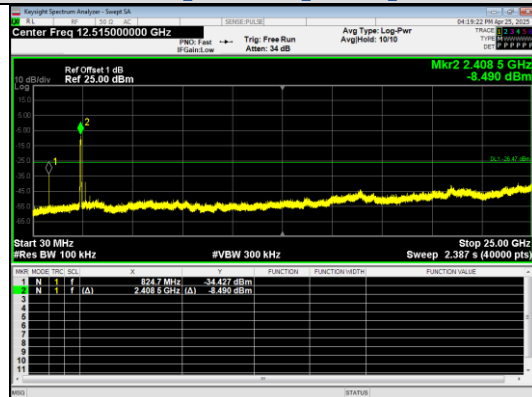
30.0 MHz - 25000.0 MHz IEEE 802.11n_Channel 11_20MHz_Antenna 0



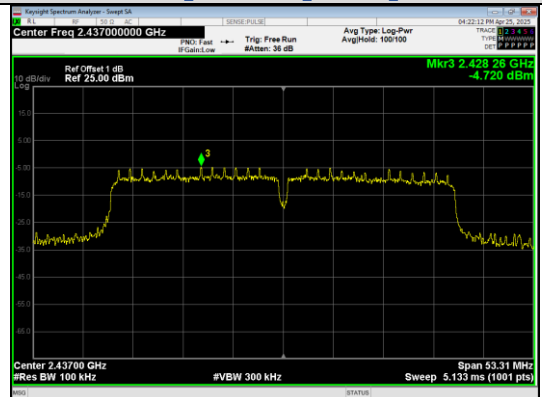
In-Band Reference Level
IEEE 802.11n Channel 3_40MHz_Antenna 0



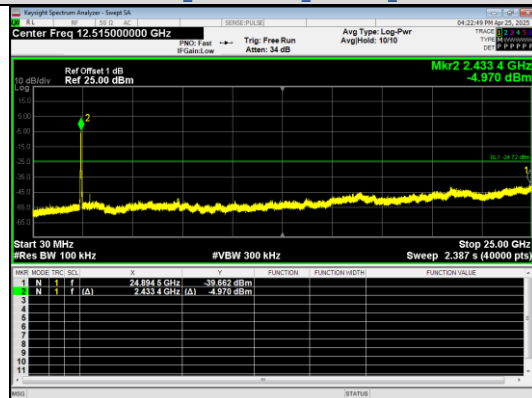
Out Of Band Emission
IEEE 802.11n Channel 3_40MHz_Antenna 0



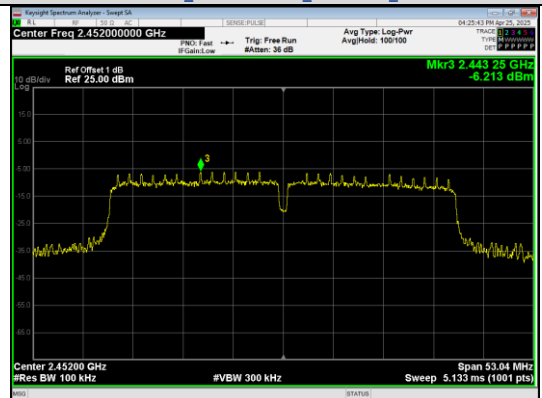
30.0 MHz - 25000.0 MHz
IEEE 802.11n Channel 3_40MHz_Antenna 0



In-Band Reference Level
IEEE 802.11n Channel 6_40MHz_Antenna 0



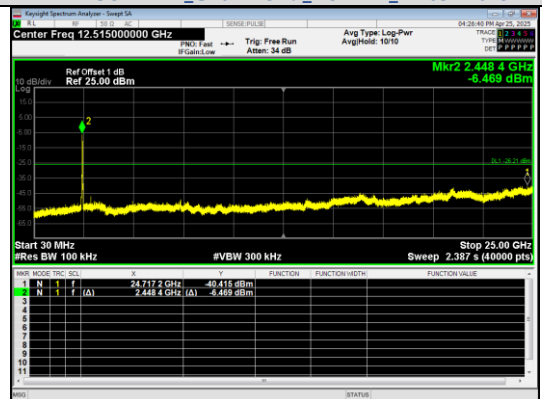
30.0 MHz - 25000.0 MHz
IEEE 802.11n Channel 6_40MHz_Antenna 0



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



Out Of Band Emission



30.0 MHz - 25000.0 MHz



IEEE 802.11n_Channel 9_40MHz_Antenna 0	IEEE 802.11n_Channel 9_40MHz_Antenna 0
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***** End of Report *****