

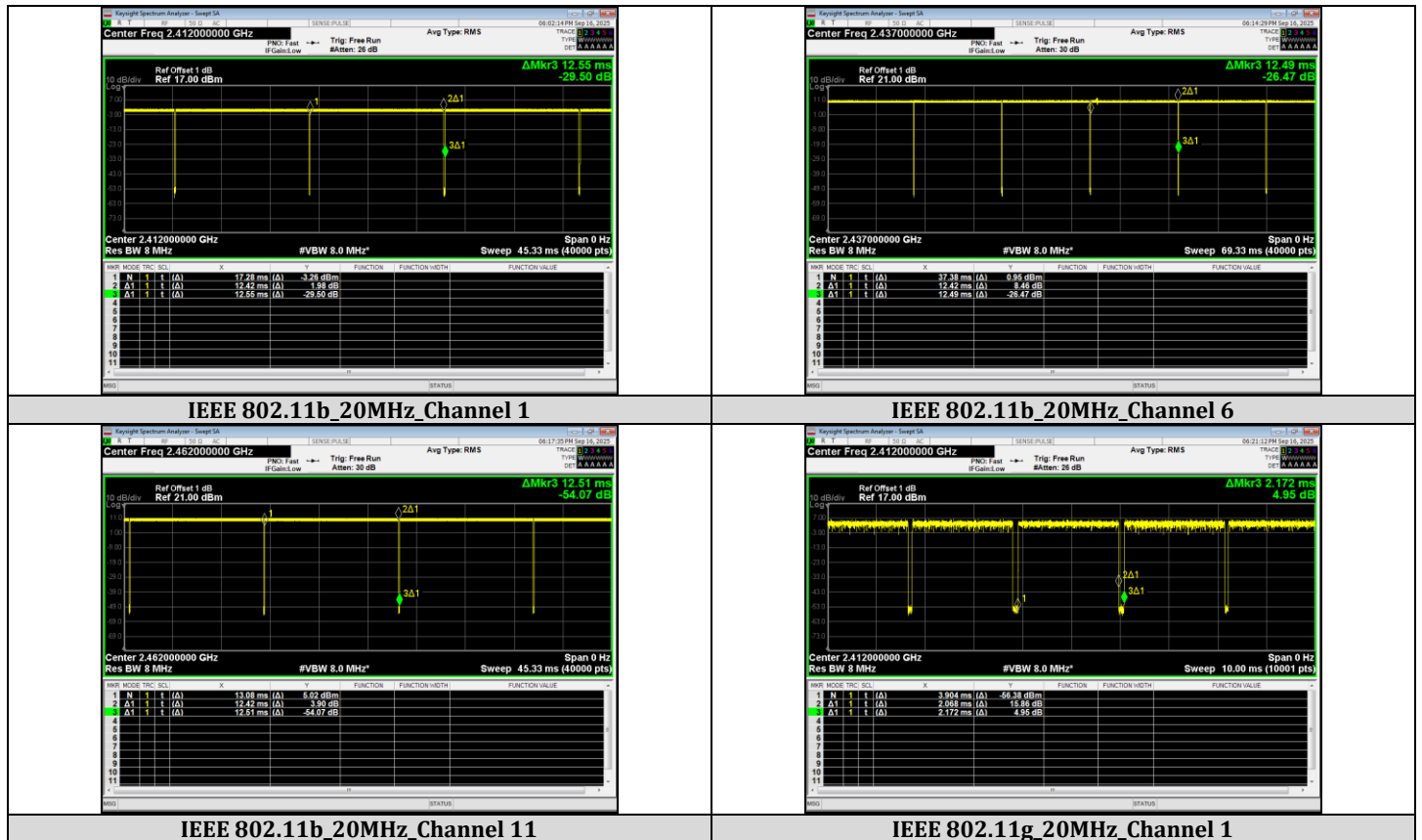


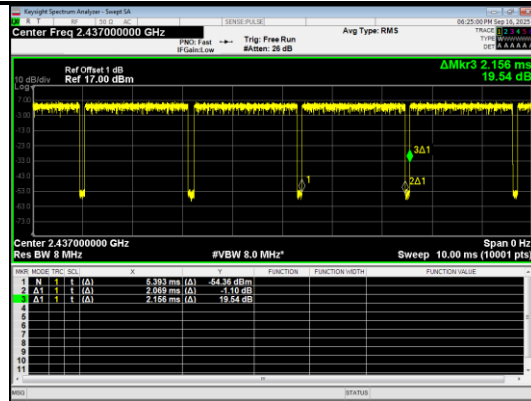
Duty Cycle

Test Result

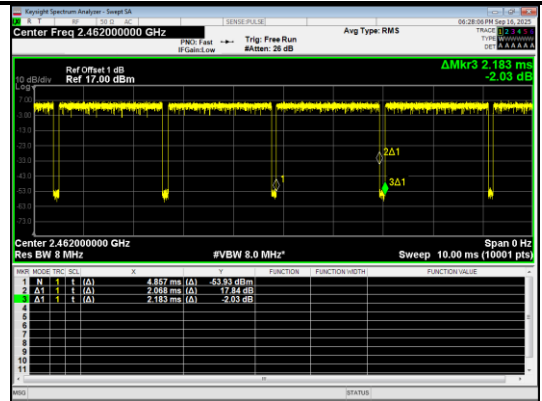
Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11b	1	1	1	12.416	12.549	98.93	0.9893	0.0467	0.0805
		6		12.416	12.494	99.38	0.9938	0.027	0.0805
		11		12.416	12.507	99.27	0.9927	0.0318	0.0805
IEEE 802.11g		1		2.068	2.172	95.21	0.9521	0.2132	0.4836
		6		2.069	2.156	95.96	0.9596	0.1791	0.4833
		11		2.068	2.183	94.73	0.9473	0.2351	0.4836
IEEE 802.11n_20	MCS 0	1		1.925	2.017	95.44	0.9544	0.2027	0.5195
		6		1.924	2.033	94.64	0.9464	0.2393	0.5198
		11		1.925	2.017	95.44	0.9544	0.2027	0.5195
IEEE 802.11n_40		3		0.947	1.052	90.10	0.9010	0.4528	1.0560
		6		0.947	1.054	89.91	0.8991	0.4619	1.0560
		9		0.946	1.052	89.95	0.8995	0.46	1.0571

Test Graphs

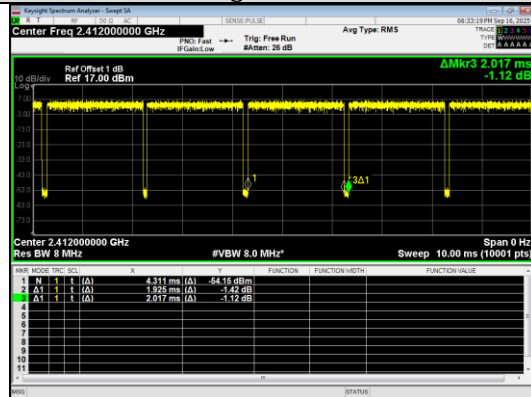




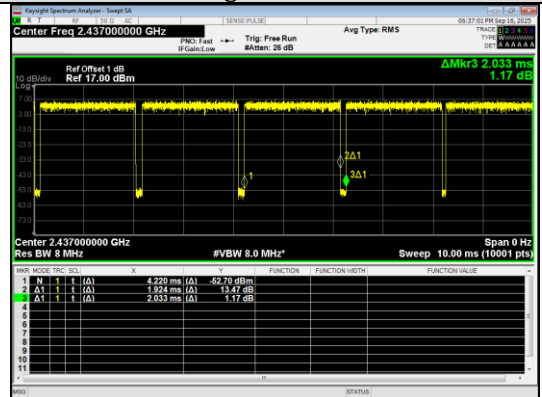
IEEE 802.11g 20MHz_Channel 6



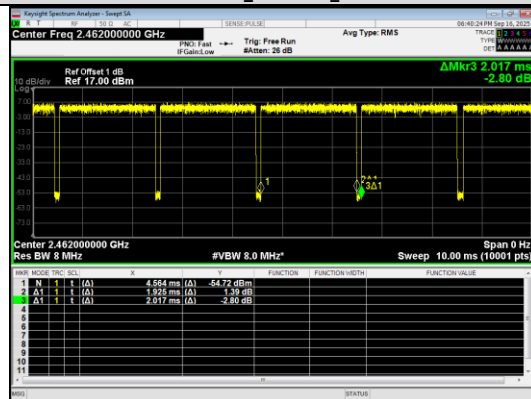
IEEE 802.11g 20MHz_Channel 11



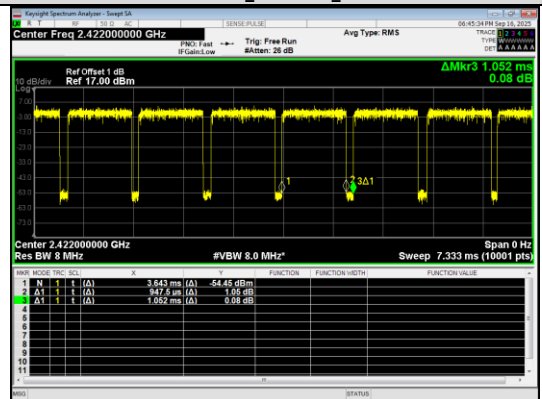
IEEE 802.11n 20MHz_Channel 1



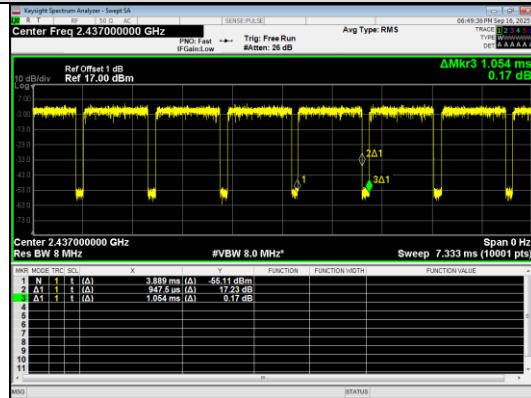
IEEE 802.11n 20MHz_Channel 6



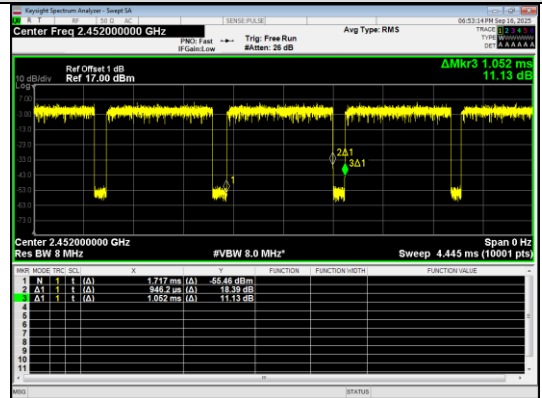
IEEE 802.11n 20MHz_Channel 11



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	14.00	≤30	PASS
	6	13.59	≤30	PASS
	11	13.53	≤30	PASS
IEEE 802.11g	1	13.39	≤30	PASS
	6	13.14	≤30	PASS
	11	13.40	≤30	PASS
IEEE 802.11n_20	1	13.66	≤30	PASS
	6	13.15	≤30	PASS
	11	13.50	≤30	PASS
IEEE 802.11n_40	3	13.22	≤30	PASS
	6	12.99	≤30	PASS
	9	12.92	≤30	PASS

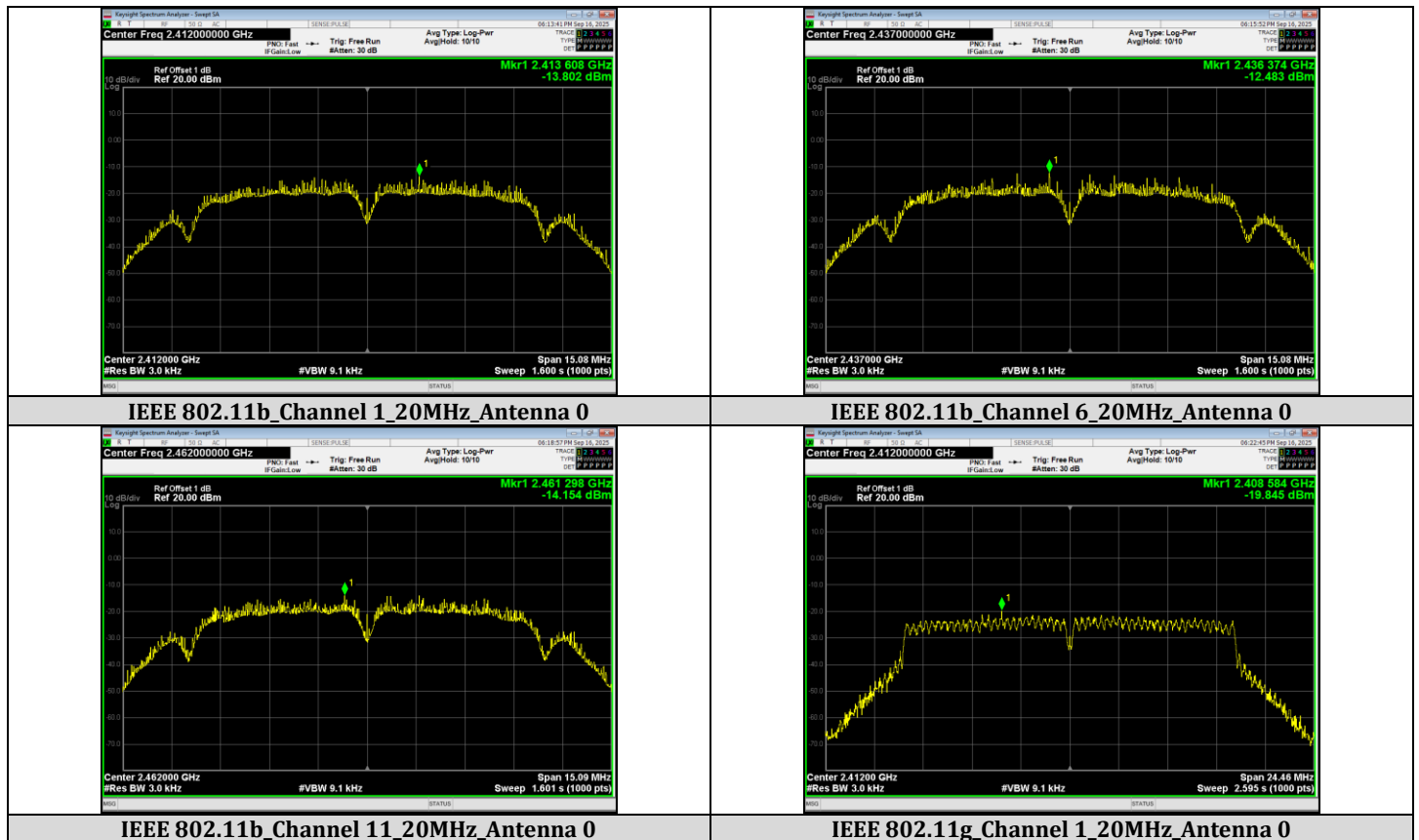


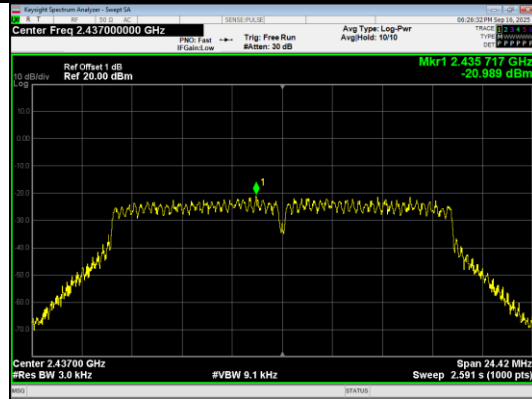
Power Spectral Density

Test Result

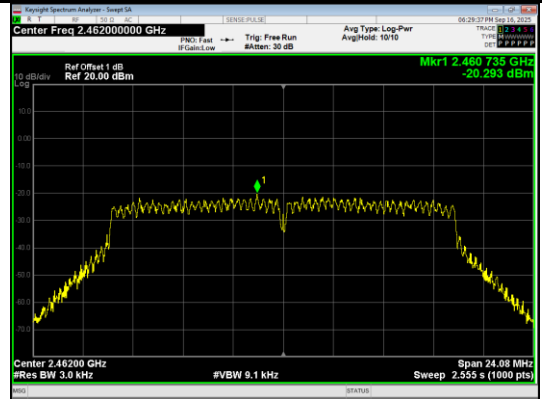
Mode	Channel	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
IEEE 802.11b	1	-13.800	≤8	PASS
	6	-12.480		PASS
	11	-14.150		PASS
IEEE 802.11g	1	-19.840		PASS
	6	-20.990		PASS
	11	-20.290		PASS
IEEE 802.11n_20	1	-19.890		PASS
	6	-19.720		PASS
	11	-21.020		PASS
IEEE 802.11n_40	3	-23.180		PASS
	6	-23.210		PASS
	9	-23.070		PASS

Test Graphs

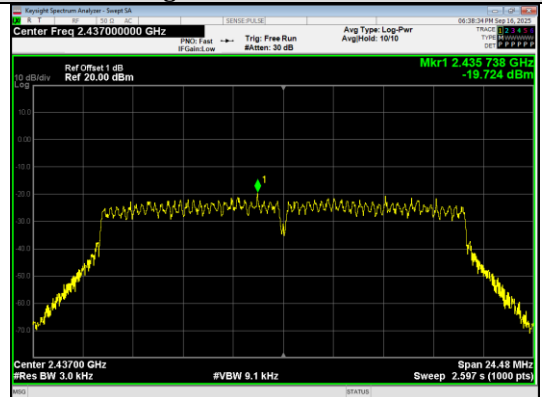
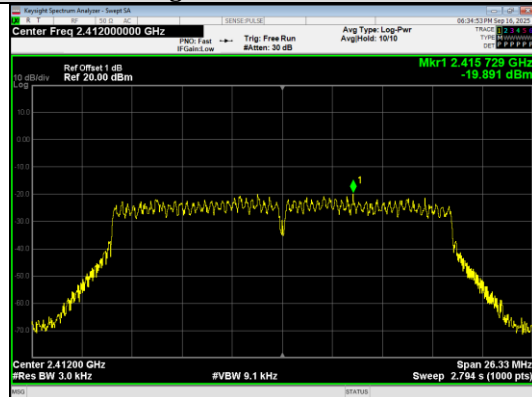




IEEE 802.11g_Channel 6_20MHz_Antenna 0

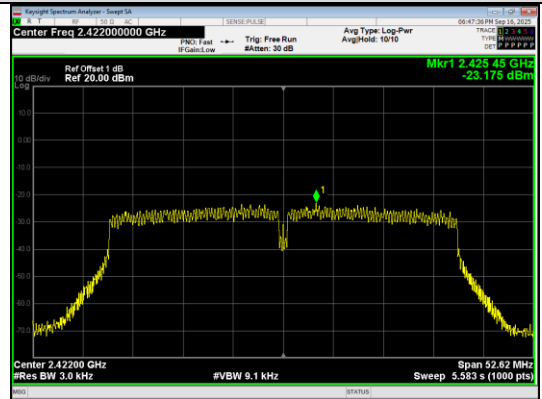
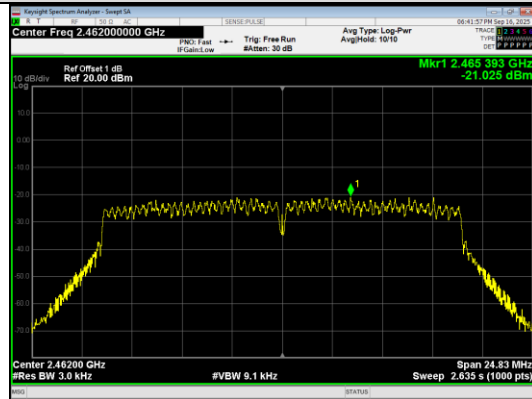


IEEE 802.11g_Channel 11_20MHz_Antenna 0



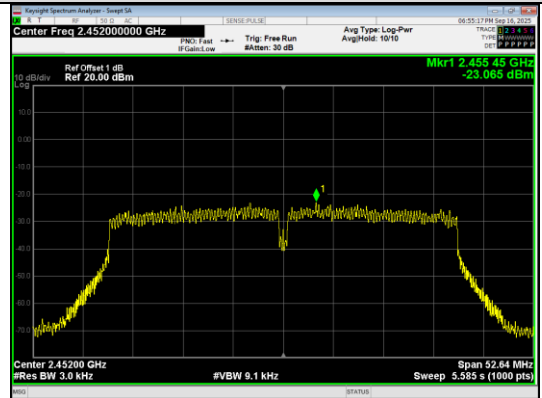
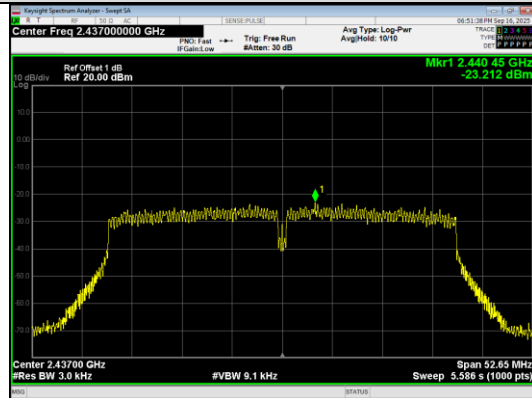
IEEE 802.11n_Channel 1_20MHz_Antenna 0

IEEE 802.11n_Channel 6_20MHz_Antenna 0



IEEE 802.11n_Channel 11_20MHz_Antenna 0

IEEE 802.11n_Channel 3_40MHz_Antenna 0

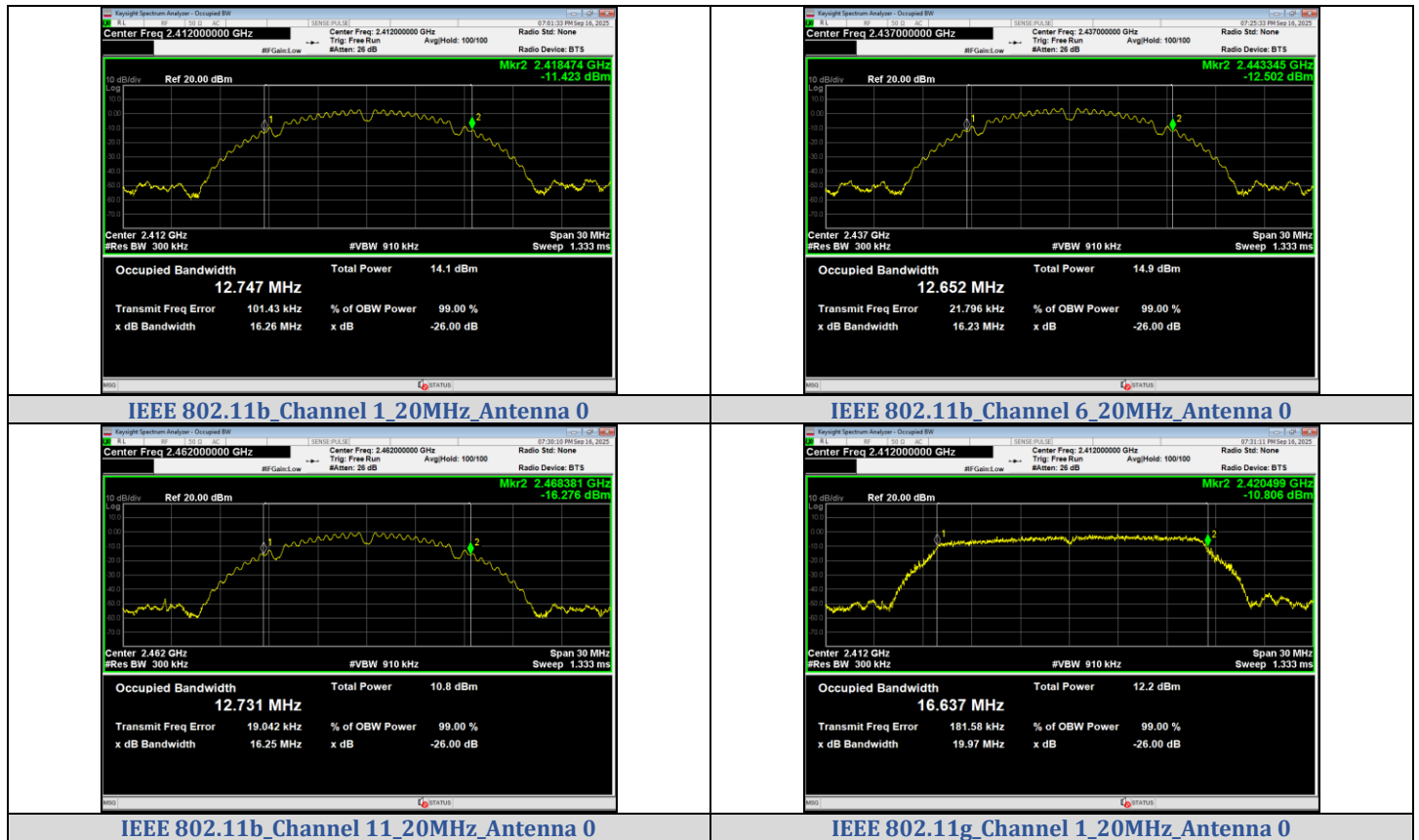


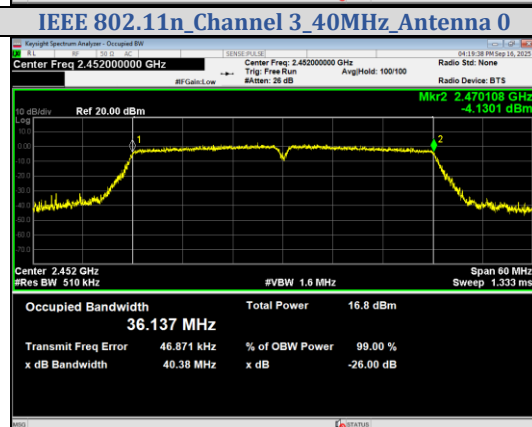
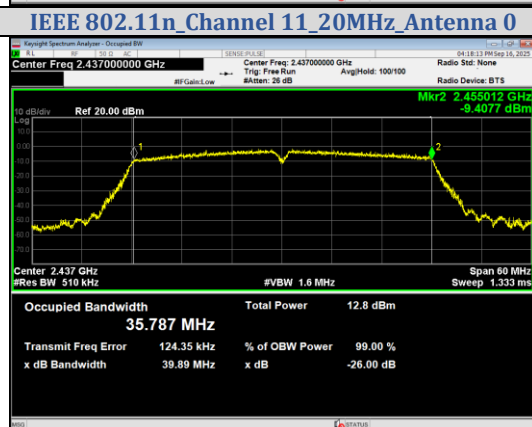
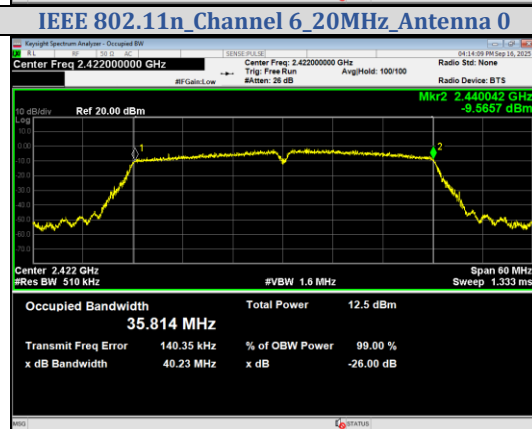
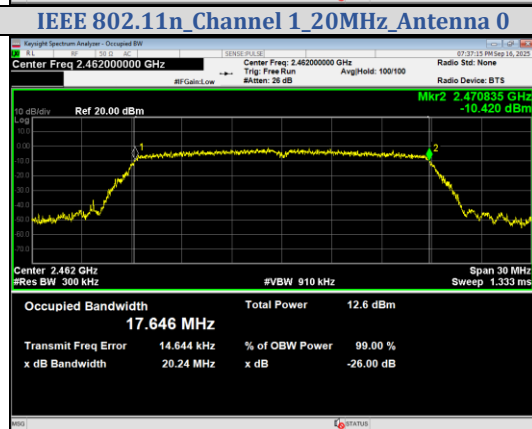
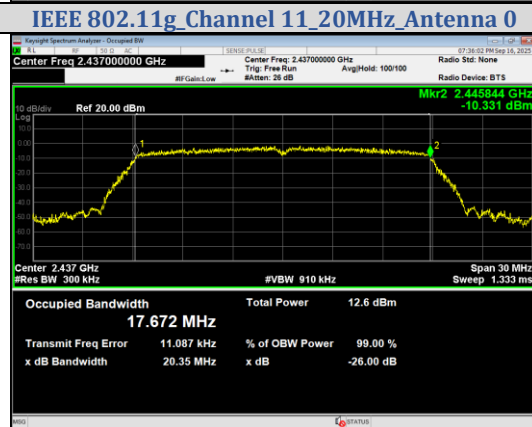
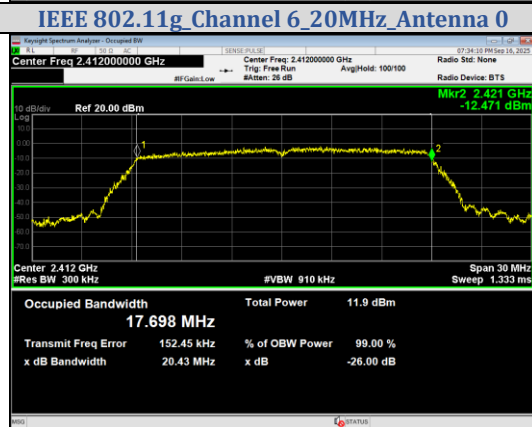
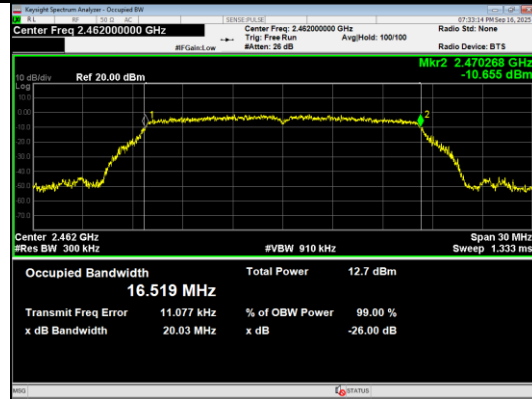
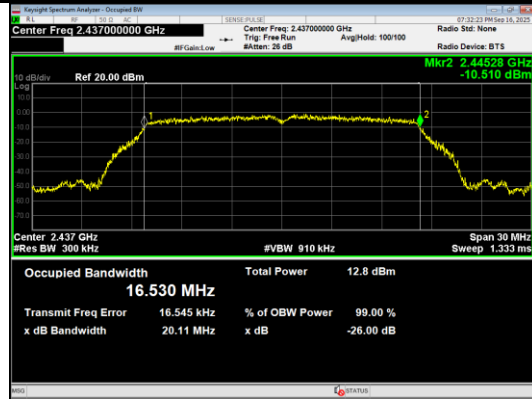
IEEE 802.11n_Channel 6_40MHz_Antenna 0

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	12.747
	6		2437	12.652
	11		2462	12.731
IEEE 802.11g	1		2412	16.637
	6		2437	16.530
	11		2462	16.519
IEEE 802.11n_20	1		2412	17.698
	6		2437	17.672
	11		2462	17.646
IEEE 802.11n_40	3		2422	35.814
	6		2437	35.787
	9		2452	36.137

Test Graphs

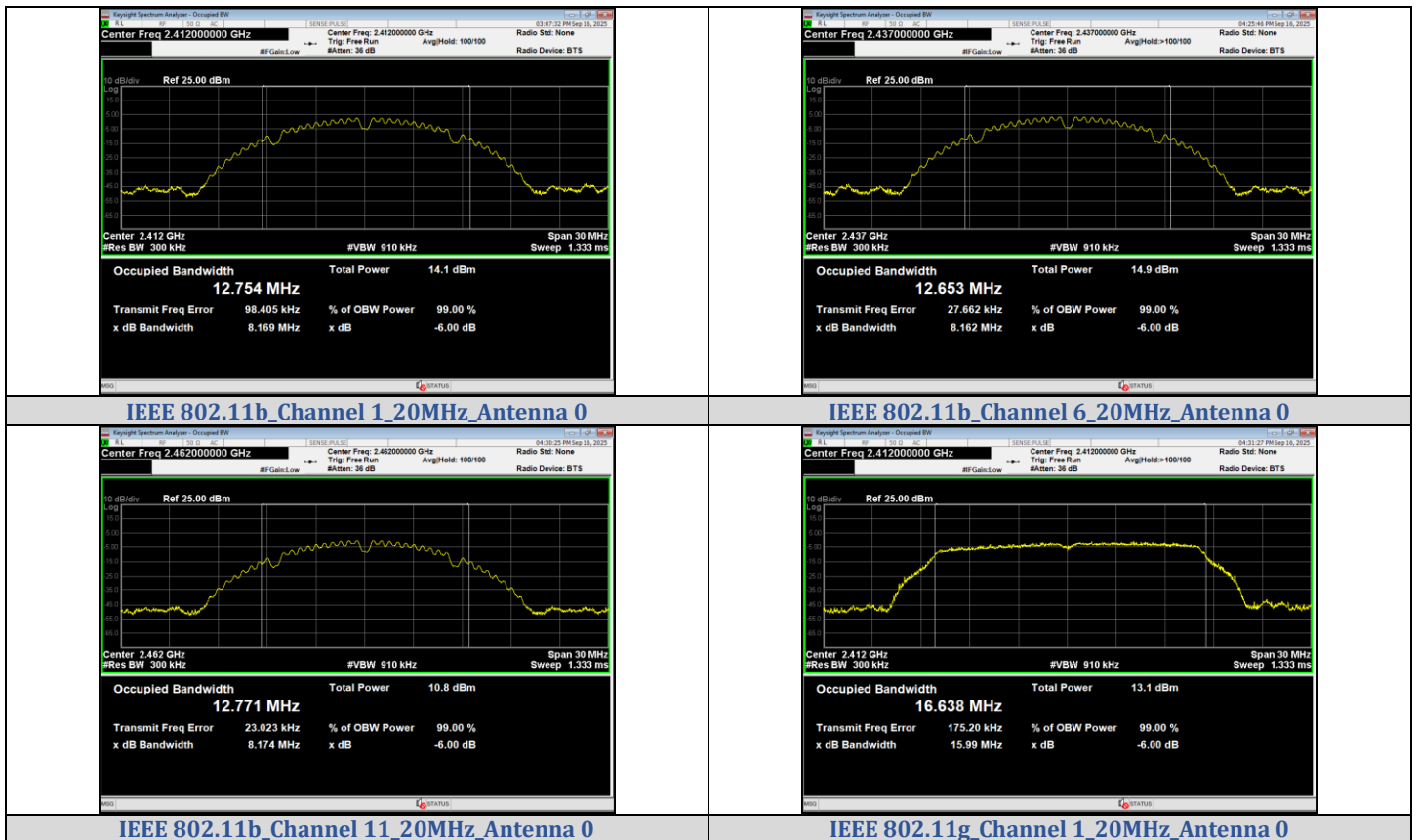


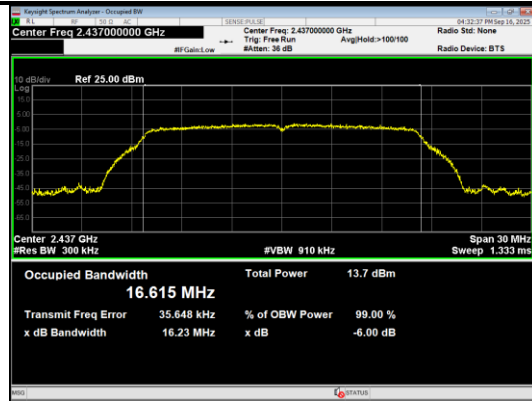
IEEE 802.11n_Channel 6 40MHz_Antenna 0

IEEE 802.11n_Channel 9 40MHz_Antenna 0

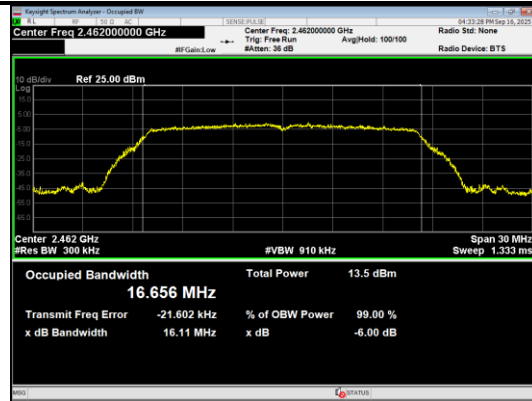
**6dB Bandwidth****Test Result**

Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11b	1	0	2412	8.170	≥0.5	PASS
	6		2437	8.160		PASS
	11		2462	8.170		PASS
IEEE 802.11g	1		2412	15.99		PASS
	6		2437	16.23		PASS
	11		2462	16.11		PASS
IEEE 802.11n_20	1		2412	17.20		PASS
	6		2437	17.39		PASS
	11		2462	17.38		PASS
IEEE 802.11n_40	3		2422	32.34		PASS
	6		2437	34.44		PASS
	9		2452	36.21		PASS

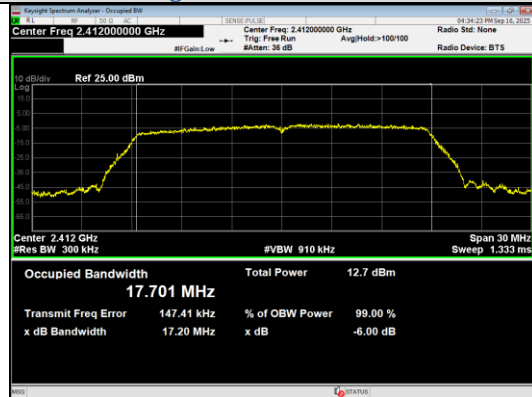
Test Graphs



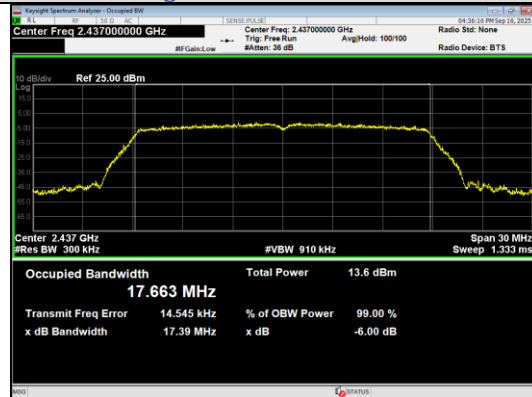
IEEE 802.11g_Channel 6 20MHz_Antenna 0



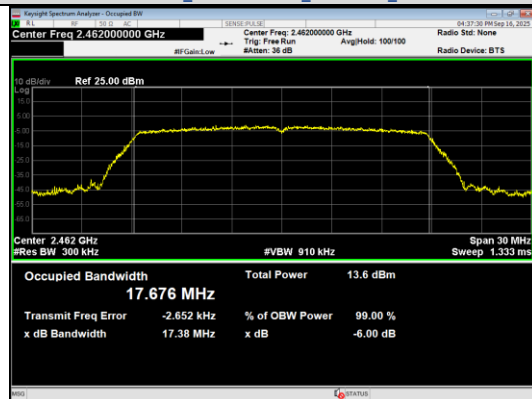
IEEE 802.11g_Channel 11 20MHz_Antenna 0



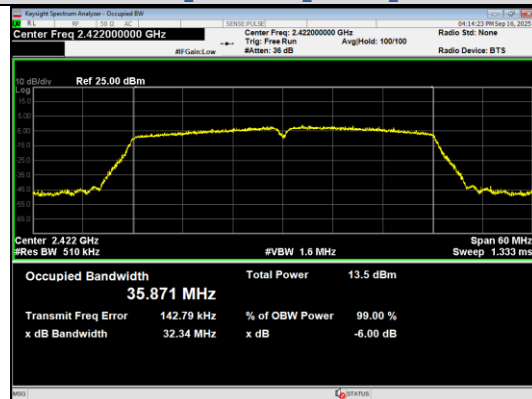
IEEE 802.11n_Channel 1 20MHz_Antenna 0



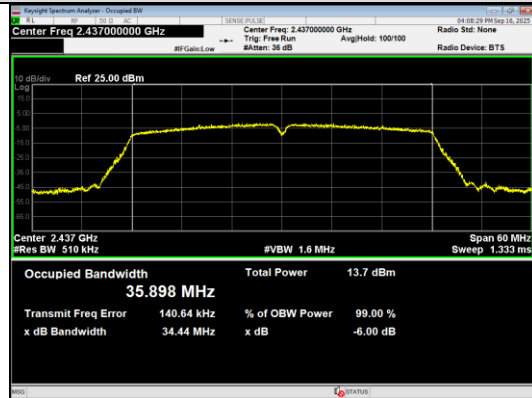
IEEE 802.11n_Channel 6 20MHz_Antenna 0



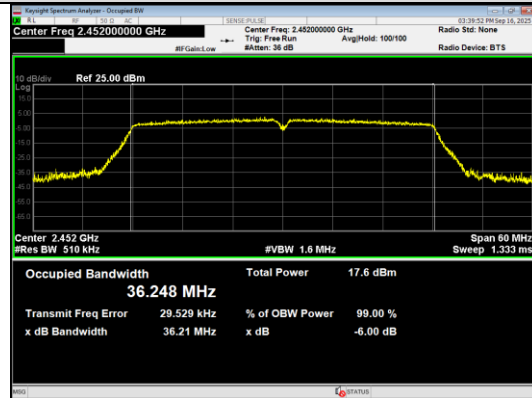
IEEE 802.11n_Channel 11 20MHz_Antenna 0



IEEE 802.11n_Channel 3 40MHz_Antenna 0



IEEE 802.11n_Channel 6 40MHz_Antenna 0



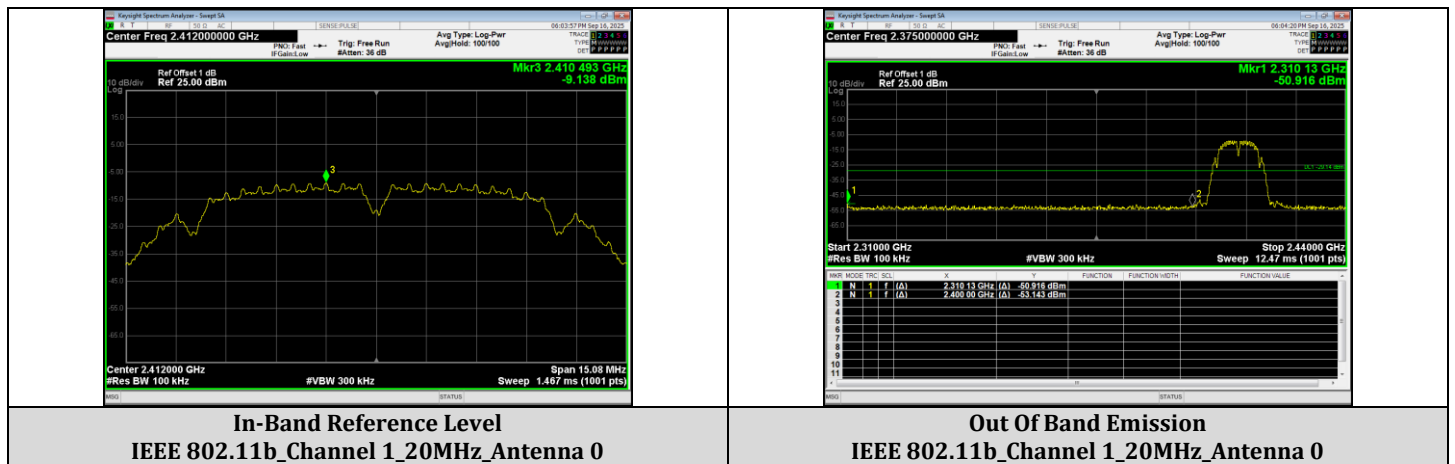
IEEE 802.11n_Channel 9 40MHz_Antenna 0

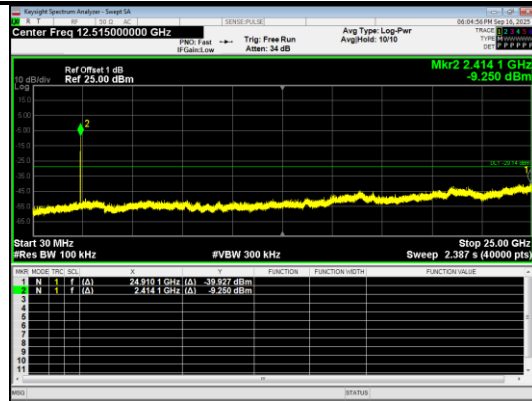
Conducted Out Of Band Emission

Test Result

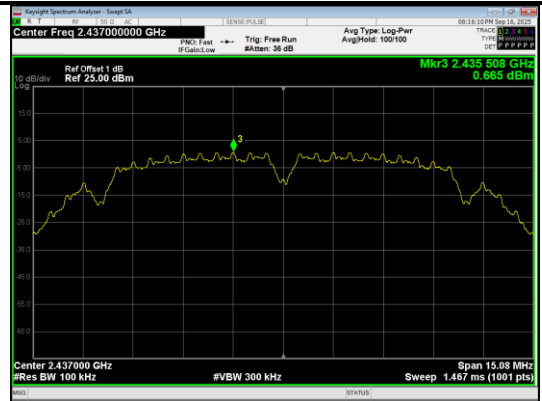
Mode	Channel	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
IEEE 802.11b	1	0	2310.13	-50.916	-29.14	-21.776	PASS
			2400.00	-53.140	-29.14	-24.000	PASS
	24910.1		-39.928	-29.14	-10.788	PASS	
	6		24948.8	-39.925	-19.34	-20.585	PASS
	11		2483.50	-53.580	-19.24	-34.340	PASS
			24996.3	-39.447	-19.24	-20.207	PASS
IEEE 802.11g	1		2396.71	-47.265	-24.4	-22.865	PASS
			2400.00	-47.860	-24.4	-23.460	PASS
	6		24975.7	-39.851	-24.4	-15.451	PASS
	11		24932.6	-40.121	-24.81	-15.311	PASS
			2483.50	-52.540	-24.21	-28.330	PASS
	24910.1		-39.433	-24.21	-15.223	PASS	
IEEE 802.11n_20	1	2398.53	-48.058	-24.35	-23.708	PASS	
		2400.00	-49.730	-24.35	-25.380	PASS	
	6	24895.1	-40.293	-24.35	-15.943	PASS	
	11	24868.3	-38.337	-24.86	-13.477	PASS	
		2483.50	-52.820	-24.61	-28.210	PASS	
	24386.3	-40.302	-24.61	-15.692	PASS		
IEEE 802.11n_40	3	2397.70	-49.774	-28.75	-21.024	PASS	
	6	2400.00	-52.430	-28.75	-23.680	PASS	
		24908.9	-40.772	-28.75	-12.022	PASS	
	6	2631.31	-40.165	-28.53	-11.635	PASS	
	9	2483.50	-53.380	-29.14	-24.240	PASS	

Test Graphs

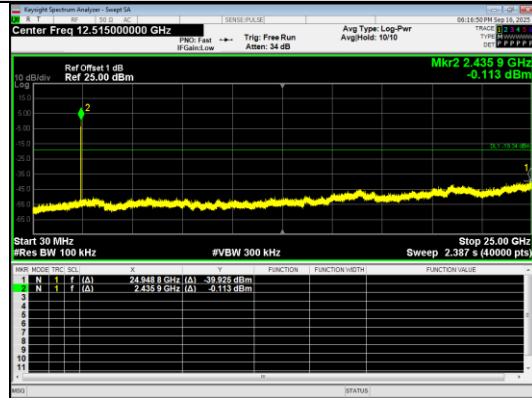




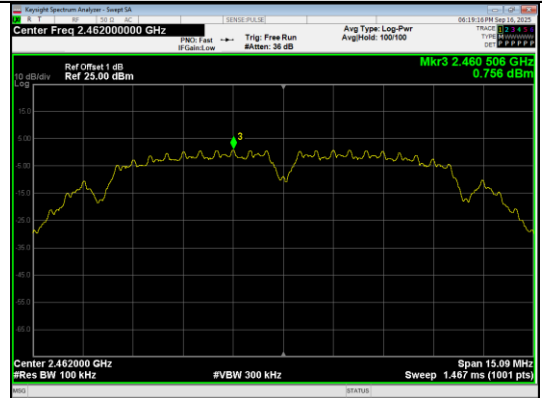
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 1_20MHz_Antenna 0



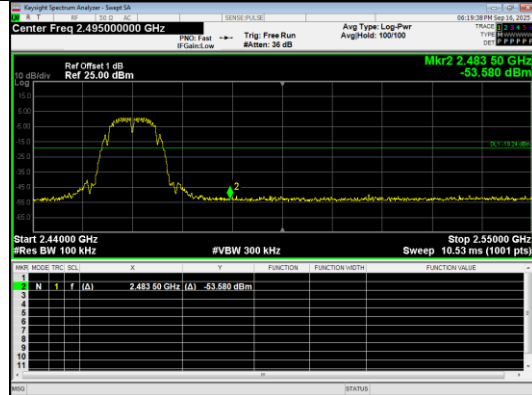
In-Band Reference Level
IEEE 802.11b_Channel 6_20MHz_Antenna 0



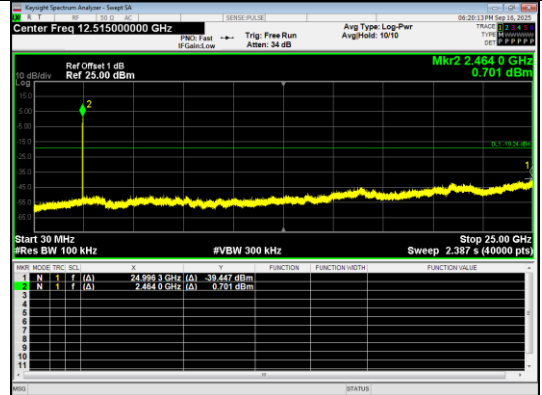
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 6_20MHz_Antenna 0



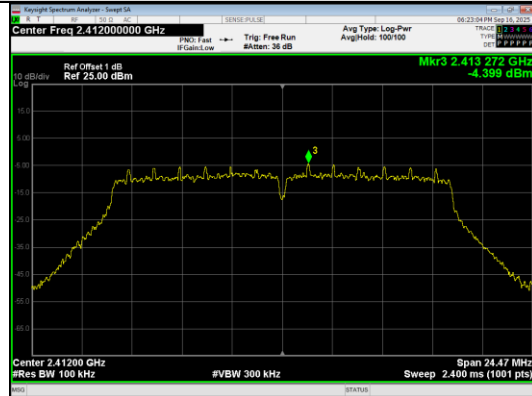
In-Band Reference Level
IEEE 802.11b_Channel 11_20MHz_Antenna 0



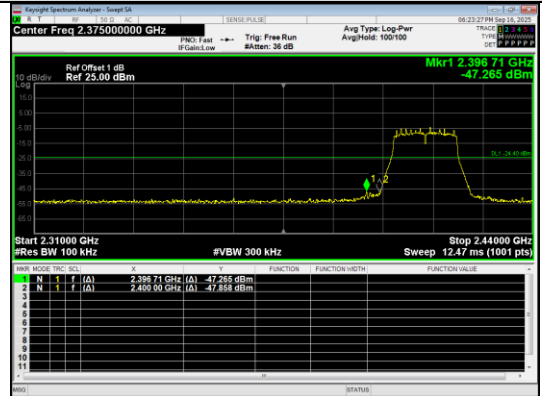
Out Of Band Emission
IEEE 802.11b_Channel 11_20MHz_Antenna 0



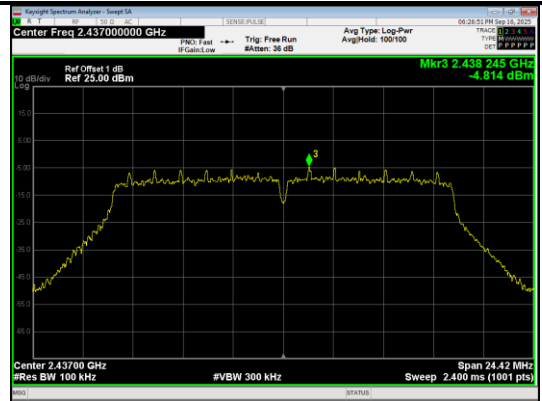
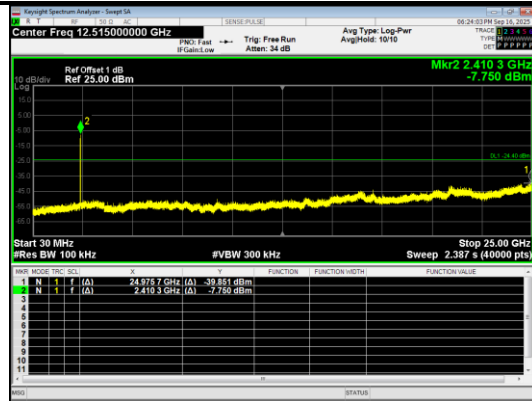
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 11_20MHz_Antenna 0



In-Band Reference Level
IEEE 802.11g_Channel 1_20MHz_Antenna 0

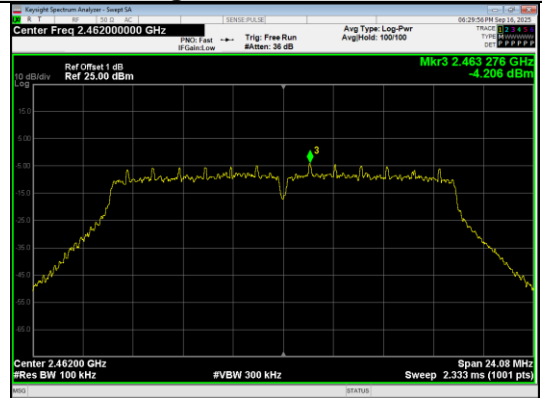
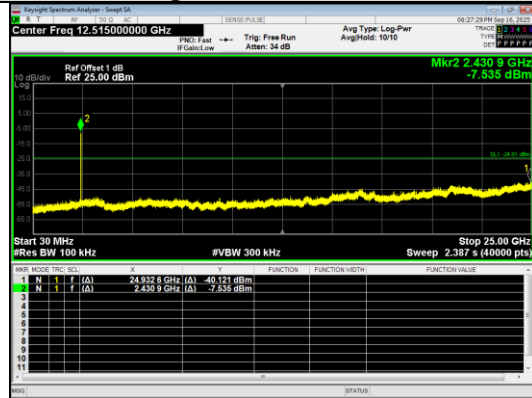


Out Of Band Emission
IEEE 802.11g_Channel 1_20MHz_Antenna 0



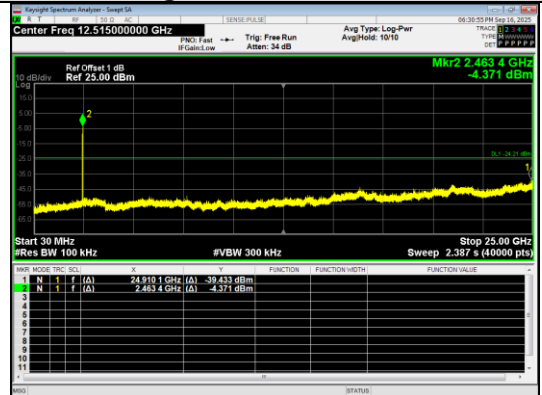
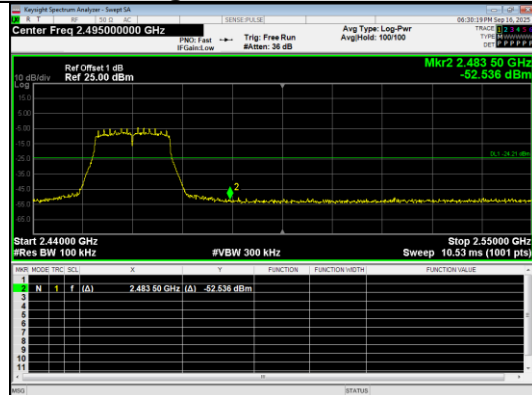
30.0 MHz - 25000.0 MHz
IEEE 802.11g_Channel 1_20MHz_Antenna 0

In-Band Reference Level
IEEE 802.11g_Channel 6_20MHz_Antenna 0



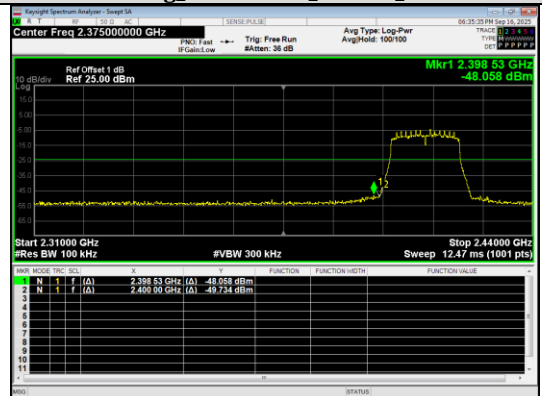
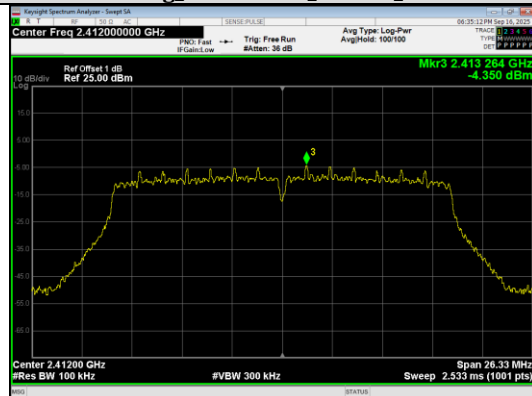
30.0 MHz - 25000.0 MHz
IEEE 802.11g_Channel 6_20MHz_Antenna 0

In-Band Reference Level
IEEE 802.11g_Channel 11_20MHz_Antenna 0



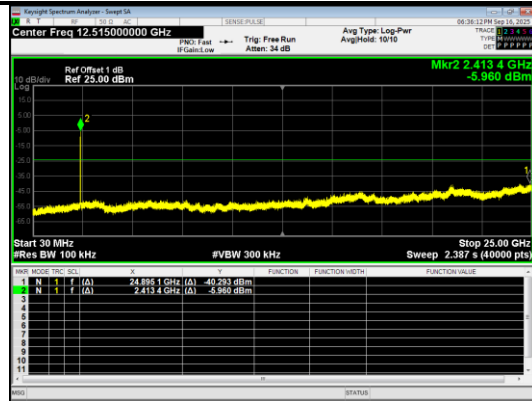
Out Of Band Emission
IEEE 802.11g_Channel 11_20MHz_Antenna 0

30.0 MHz - 25000.0 MHz
IEEE 802.11g_Channel 11_20MHz_Antenna 0

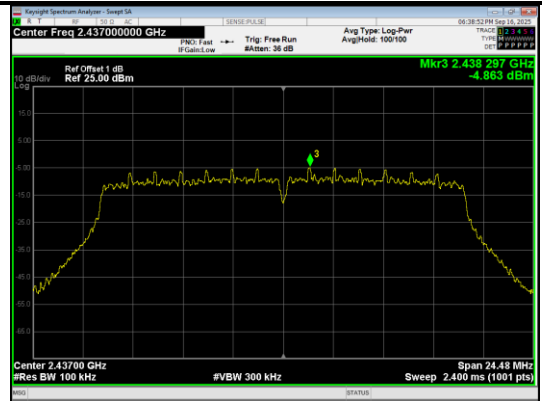


In-Band Reference Level
IEEE 802.11n_Channel 1_20MHz_Antenna 0

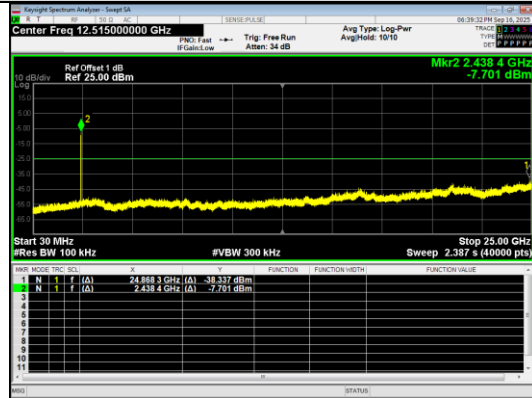
Out Of Band Emission
IEEE 802.11n_Channel 1_20MHz_Antenna 0



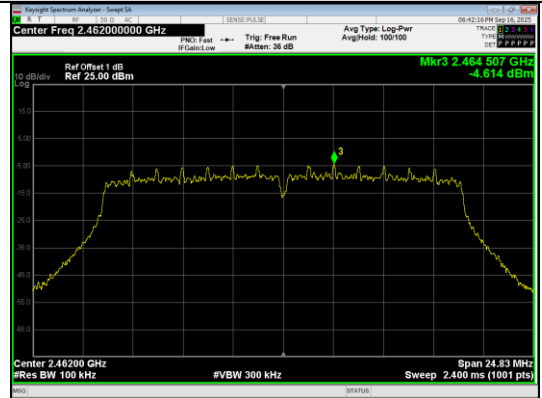
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 1_20MHz_Antenna 0



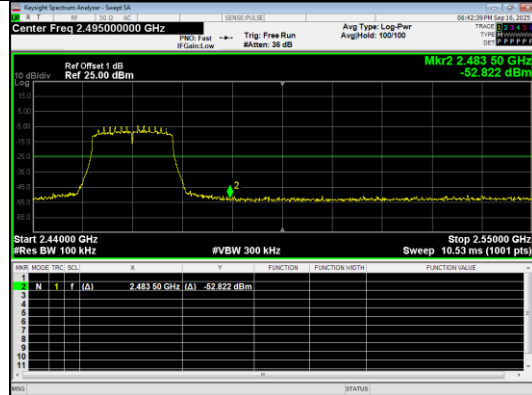
In-Band Reference Level
IEEE 802.11n_Channel 6_20MHz_Antenna 0



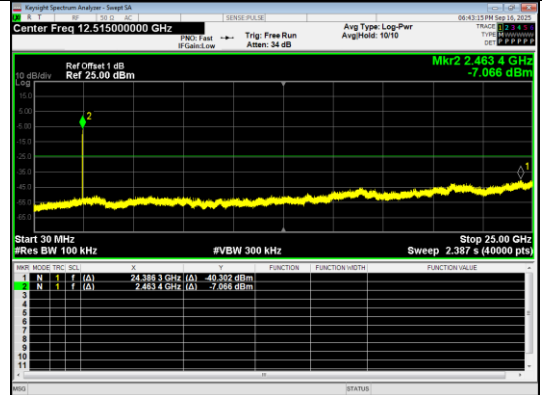
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 6_20MHz_Antenna 0



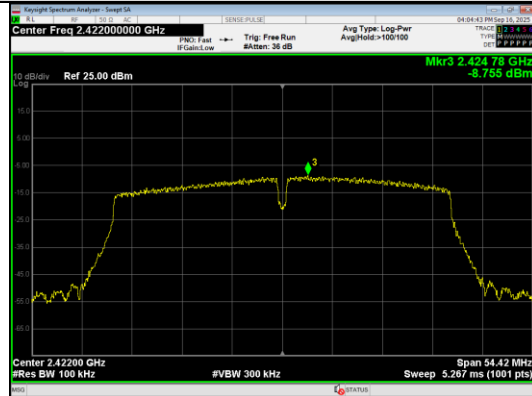
In-Band Reference Level
IEEE 802.11n_Channel 11_20MHz_Antenna 0



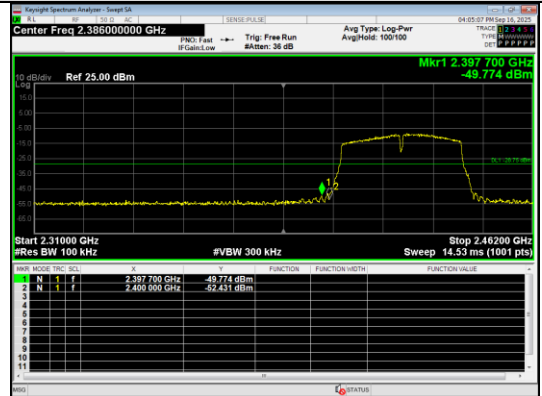
Out Of Band Emission
IEEE 802.11n_Channel 11_20MHz_Antenna 0



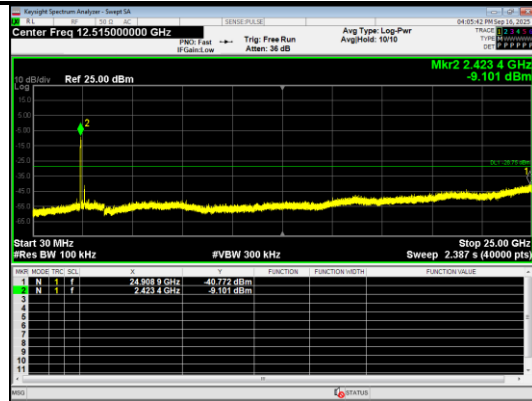
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 11_20MHz_Antenna 0



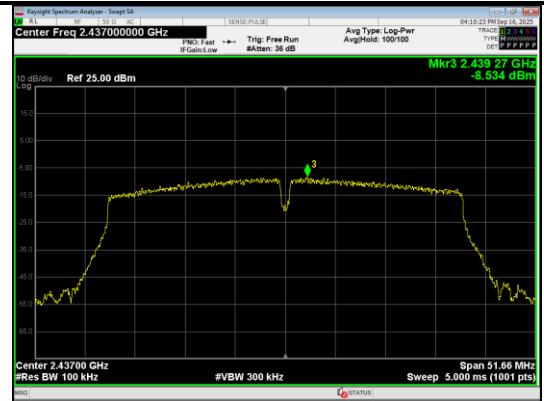
In-Band Reference Level
IEEE 802.11n_Channel 3_40MHz_Antenna 0



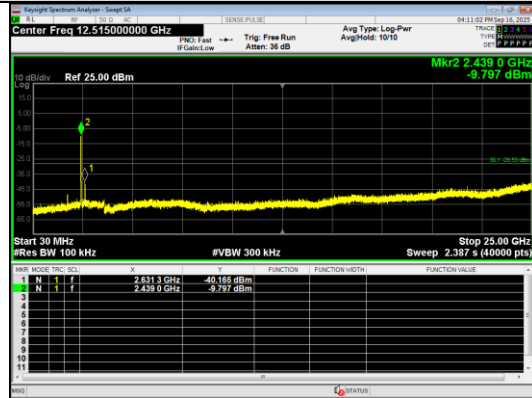
Out Of Band Emission
IEEE 802.11n_Channel 3_40MHz_Antenna 0



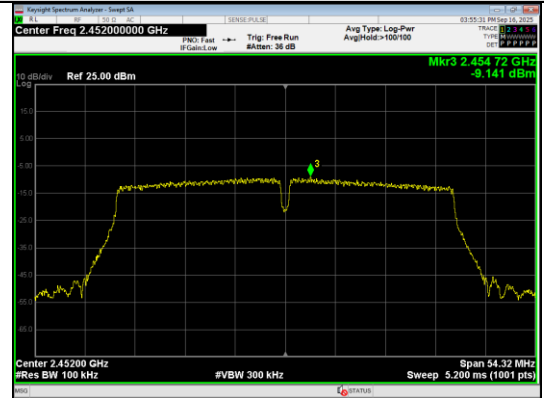
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 3_40MHz_Antenna 0



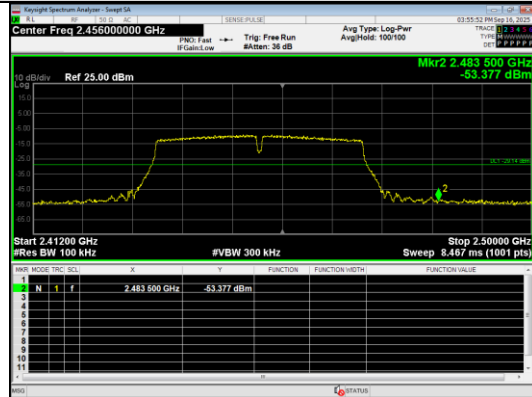
In-Band Reference Level
IEEE 802.11n_Channel 6_40MHz_Antenna 0



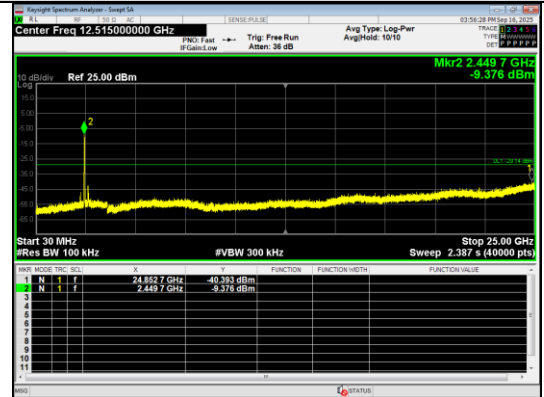
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 6_40MHz_Antenna 0



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

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