

Appendix A

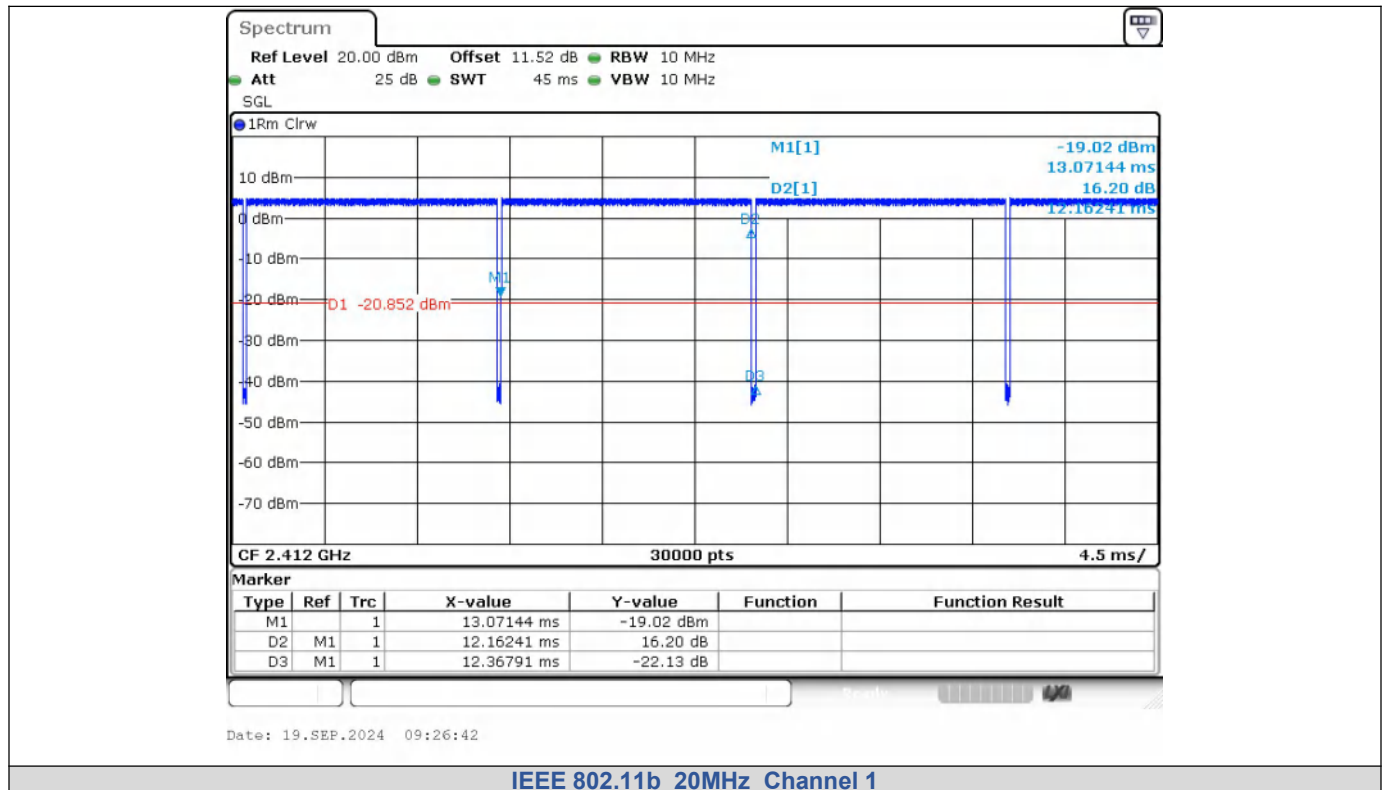
Report No.:	CISRR240909057
FCC ID:	2BK5B-TP-P06
Product Name:	WiFi Camera
Model No.:	TP-P06
Test Engineer:	Mark Fu
Supervised by:	Rory Huang

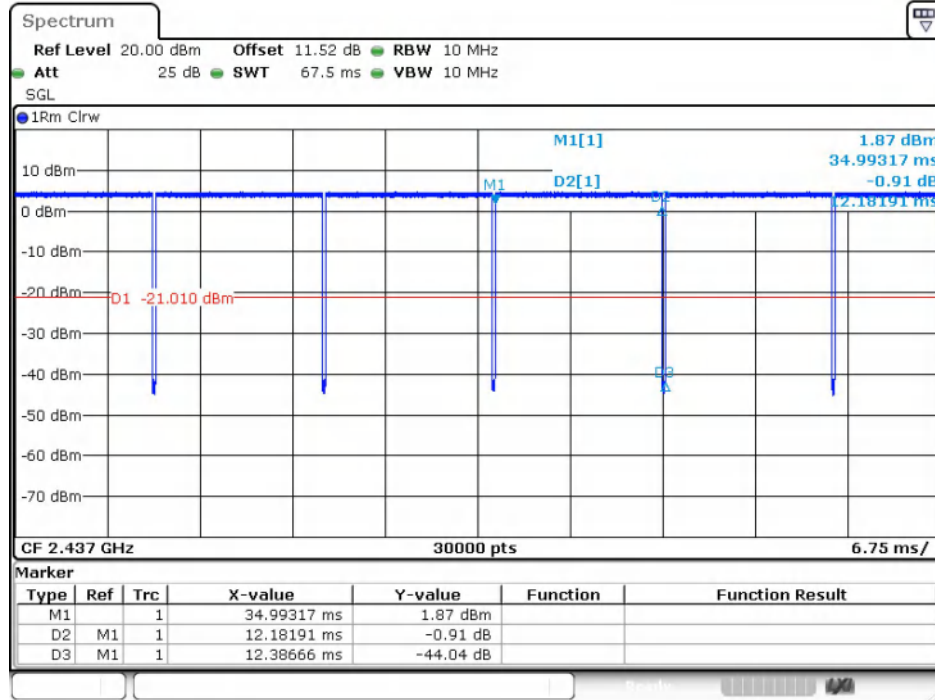
Duty Cycle

Test Result

Mode	Data rates	Channel	RU & Index	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11b	1	1	N/A	1	12.162	12.368	98.34	0.9834	0.0727	0.08
		6			12.182	12.387	98.35	0.9835	0.0723	0.08
		11			12.161	12.366	98.34	0.9834	0.0727	0.08
1		2.036			2.246	90.65	0.9065	0.4263	0.49	
6		2.036			2.246	90.65	0.9065	0.4263	0.49	
11		2.036			2.246	90.65	0.9065	0.4263	0.49	
IEEE 802.11n_20	MCS 0	1			0.225	0.437	51.53	0.5153	2.8794	4.44
		6			0.225	0.437	51.53	0.5153	2.8794	4.44
		11			0.225	0.437	51.53	0.5153	2.8794	4.44
		3			0.129	0.341	37.81	0.3781	4.2239	7.75
		6			0.129	0.341	37.78	0.3778	4.2274	7.75
		9			0.129	0.341	37.78	0.3778	4.2274	7.75
IEEE 802.11n_40		SU	1		0.140	0.352	39.76	0.3976	4.0055	7.14
			6		0.140	0.352	39.76	0.3976	4.0055	7.14
			11		0.140	0.352	39.76	0.3976	4.0055	7.14
3			0.099		0.311	31.85	0.3185	4.9689	10.10	
6			0.099		0.312	31.83	0.3183	4.9716	10.10	
9			0.099		0.312	31.83	0.3183	4.9716	10.10	
IEEE 802.11ax_20	SU		3	0.099	0.311	31.85	0.3185	4.9689	10.10	
			6	0.099	0.312	31.83	0.3183	4.9716	10.10	
			9	0.099	0.312	31.83	0.3183	4.9716	10.10	
IEEE 802.11ax_40	SU	3	0.099	0.311	31.85	0.3185	4.9689	10.10		
		6	0.099	0.312	31.83	0.3183	4.9716	10.10		
		9	0.099	0.312	31.83	0.3183	4.9716	10.10		

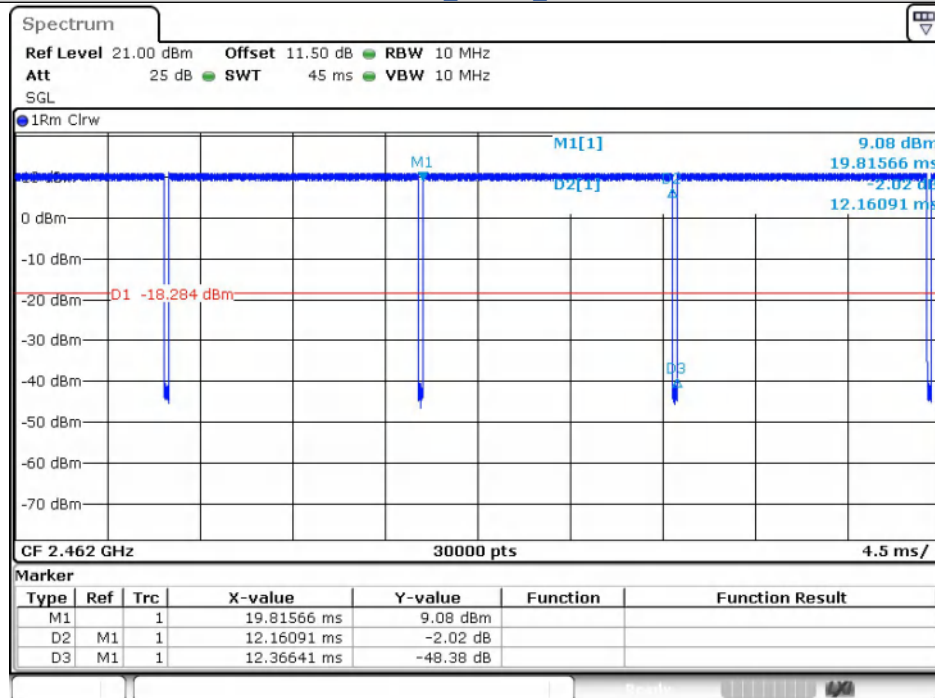
Test Graphs





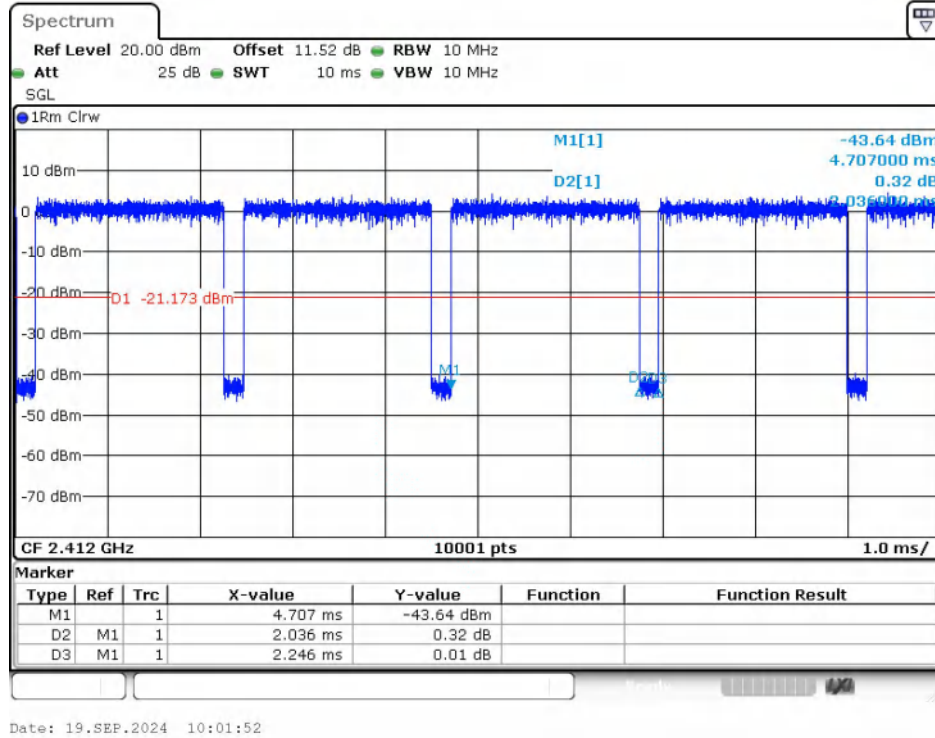
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IEEE 802.11b_20MHz_Channel 6

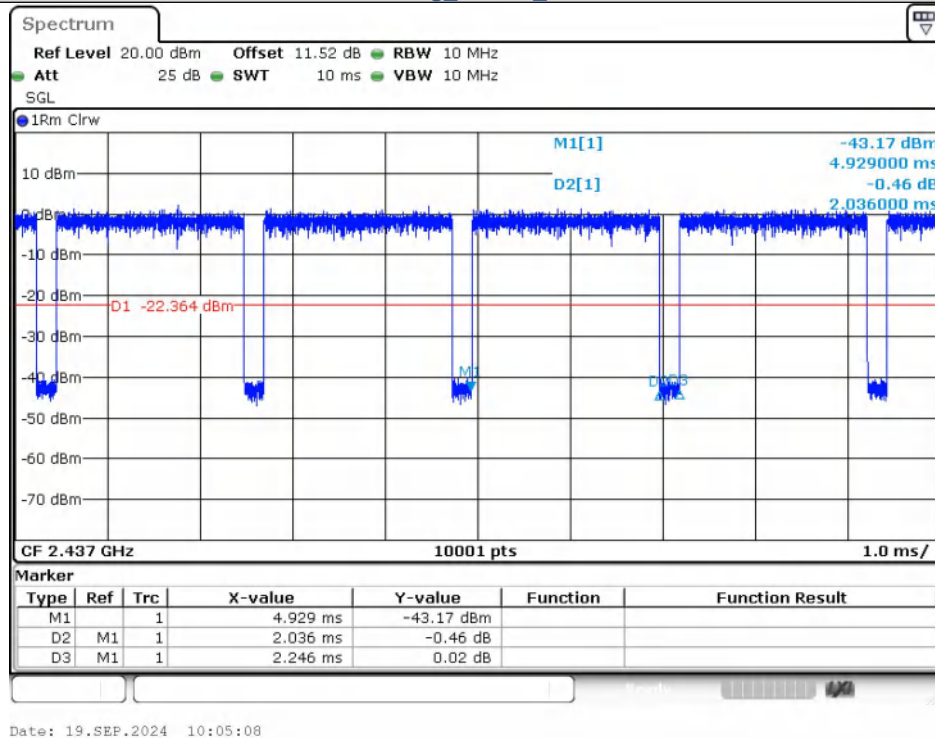


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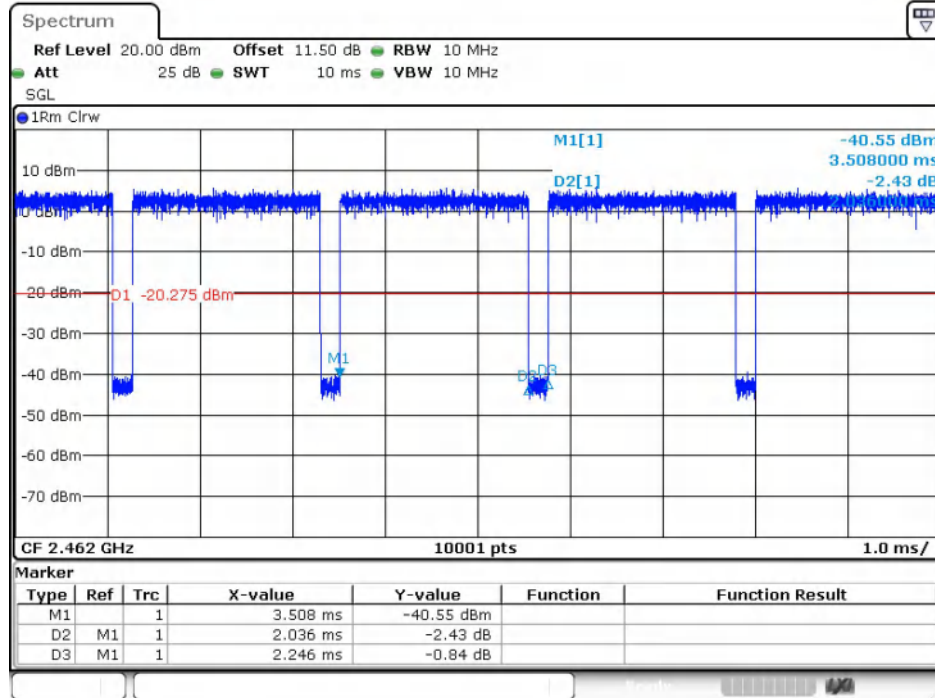
IEEE 802.11b_20MHz_Channel 11



IEEE 802.11g_20MHz_Channel 1

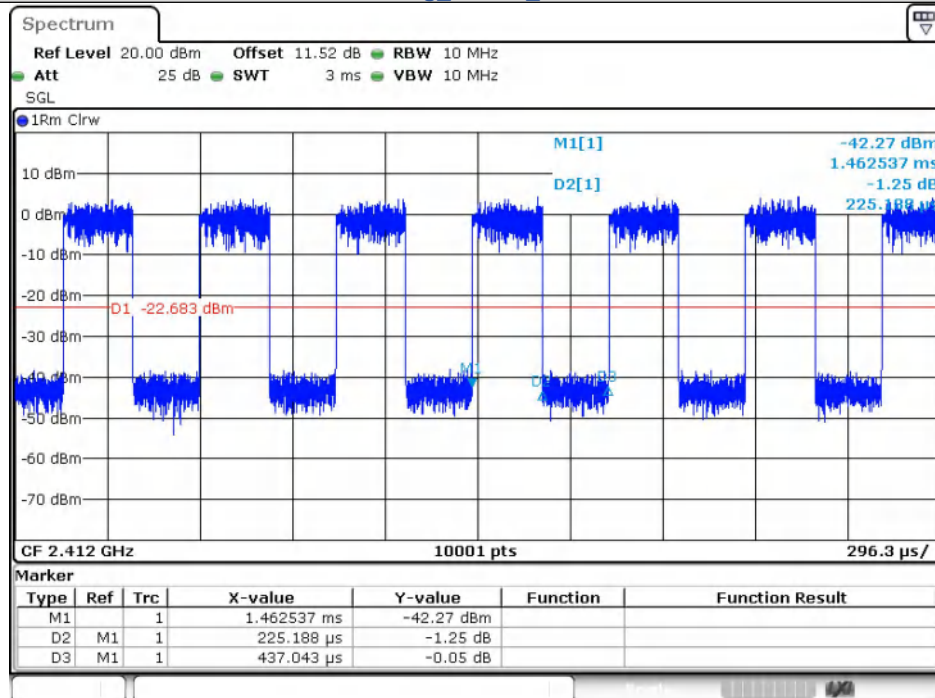


IEEE 802.11g_20MHz_Channel 6



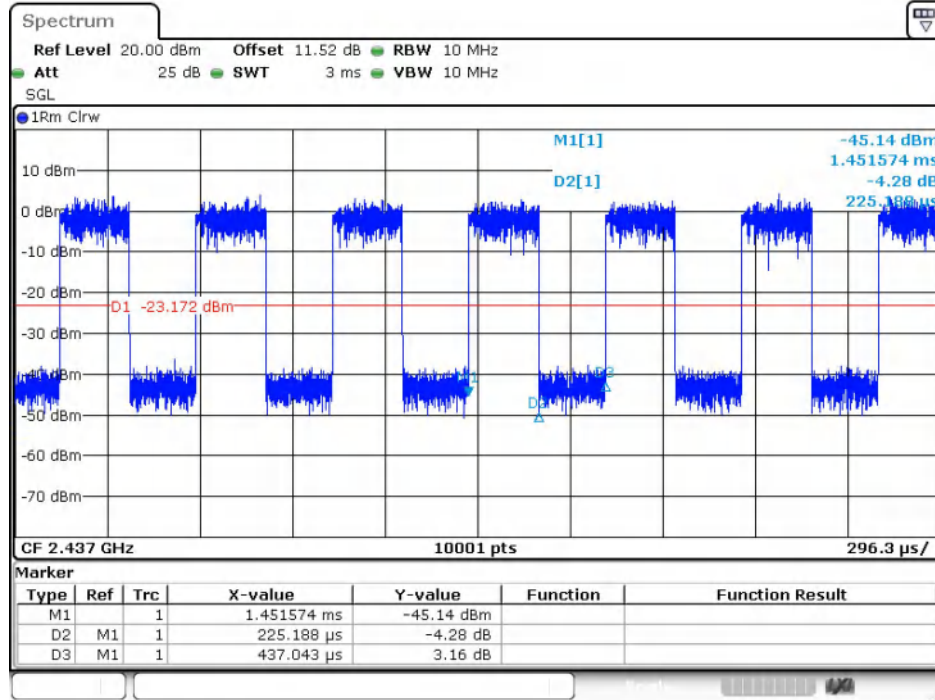
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IEEE 802.11g_20MHz_Channel 11



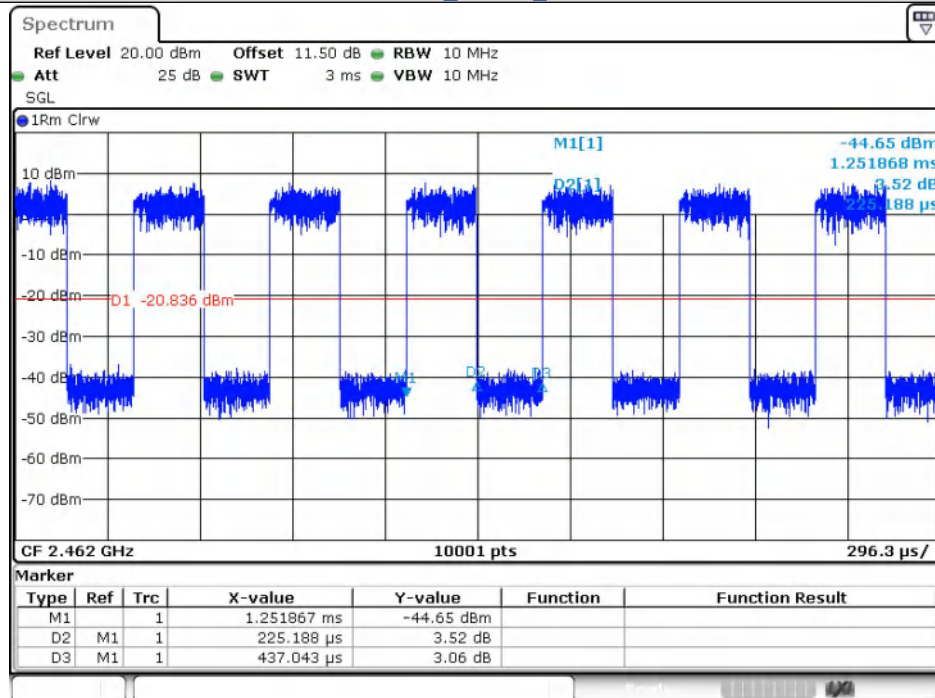
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IEEE 802.11n_20MHz_Channel 1



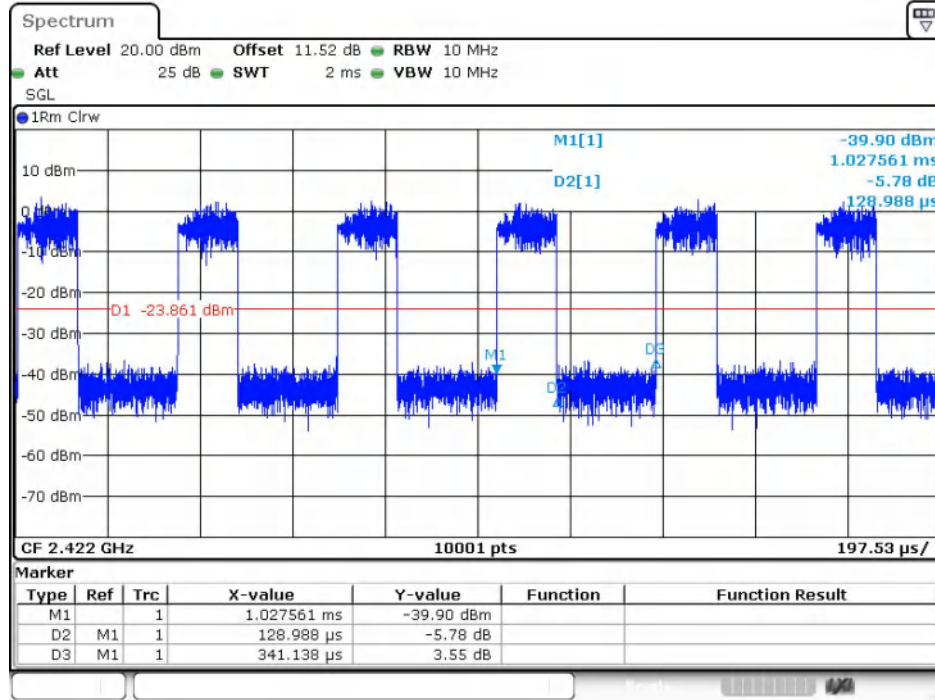
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IEEE 802.11n_20MHz_Channel 6



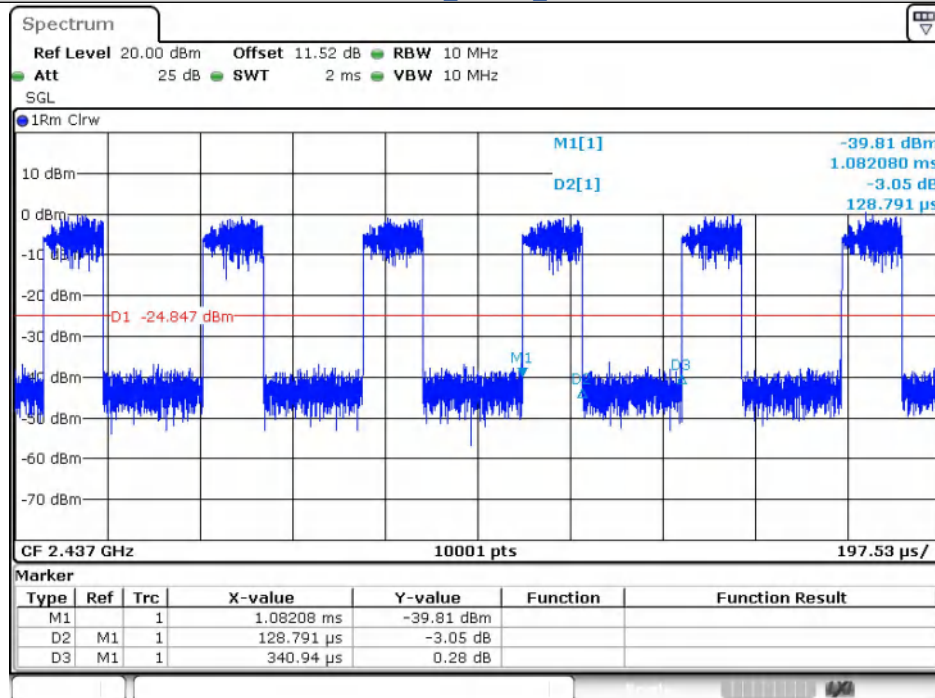
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IEEE 802.11n_20MHz_Channel 11



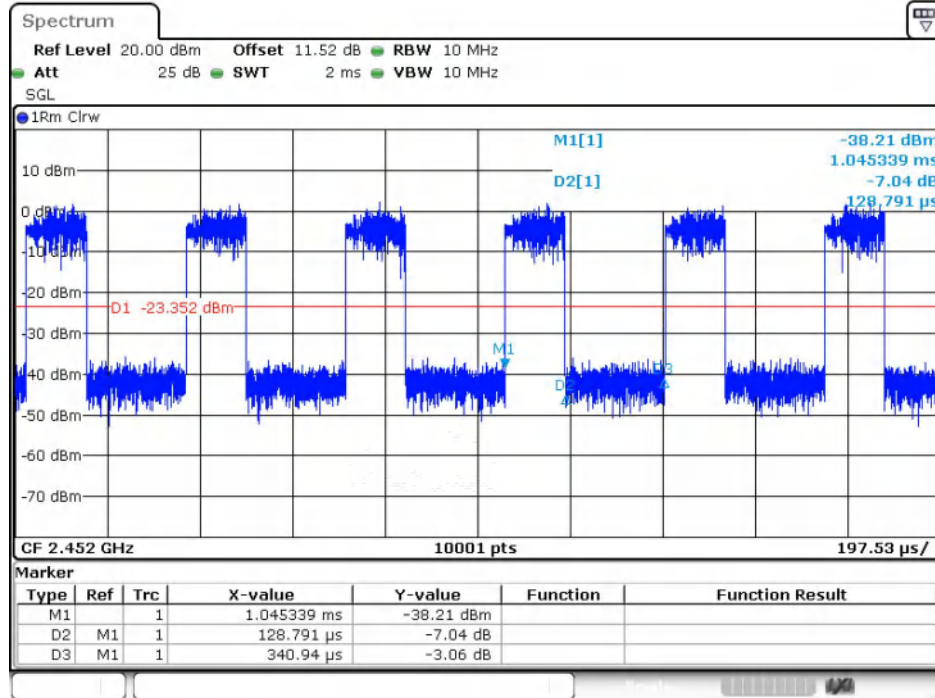
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IEEE 802.11n_40MHz_Channel 3



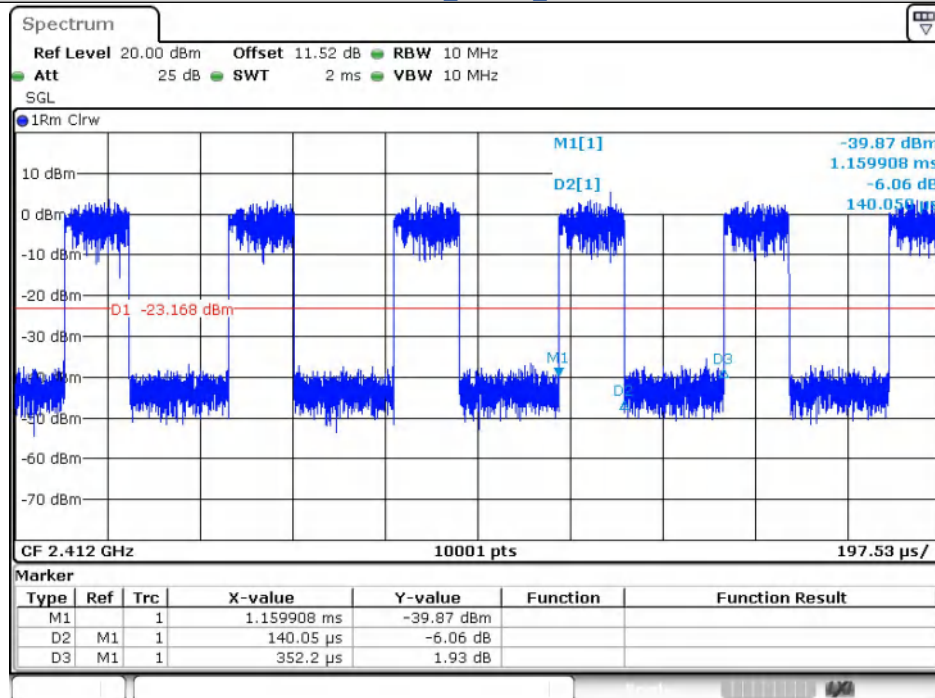
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IEEE 802.11n_40MHz_Channel 6



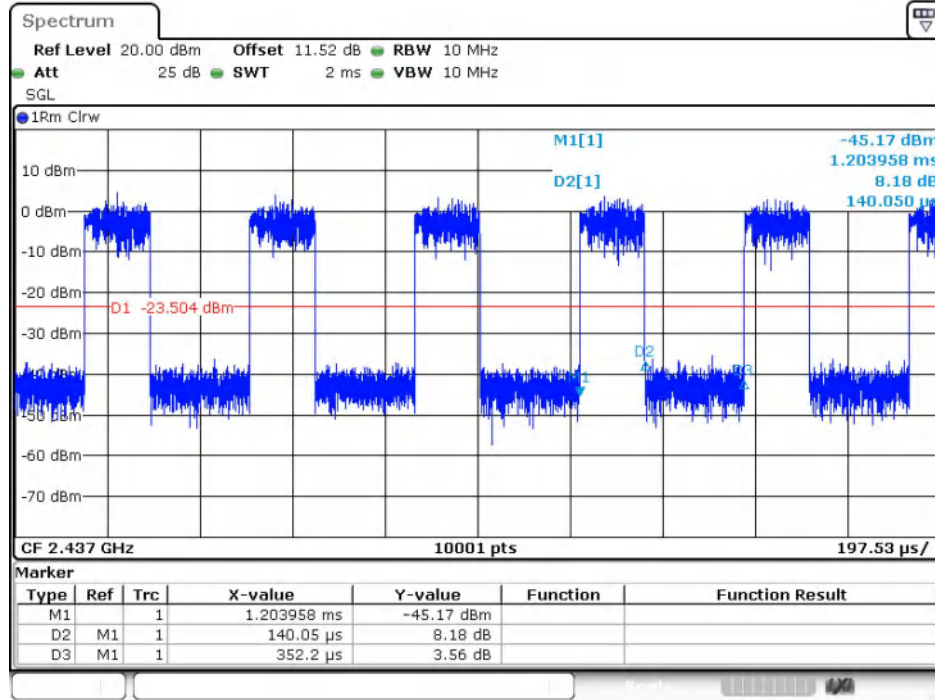
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IEEE 802.11n_40MHz_Channel 9



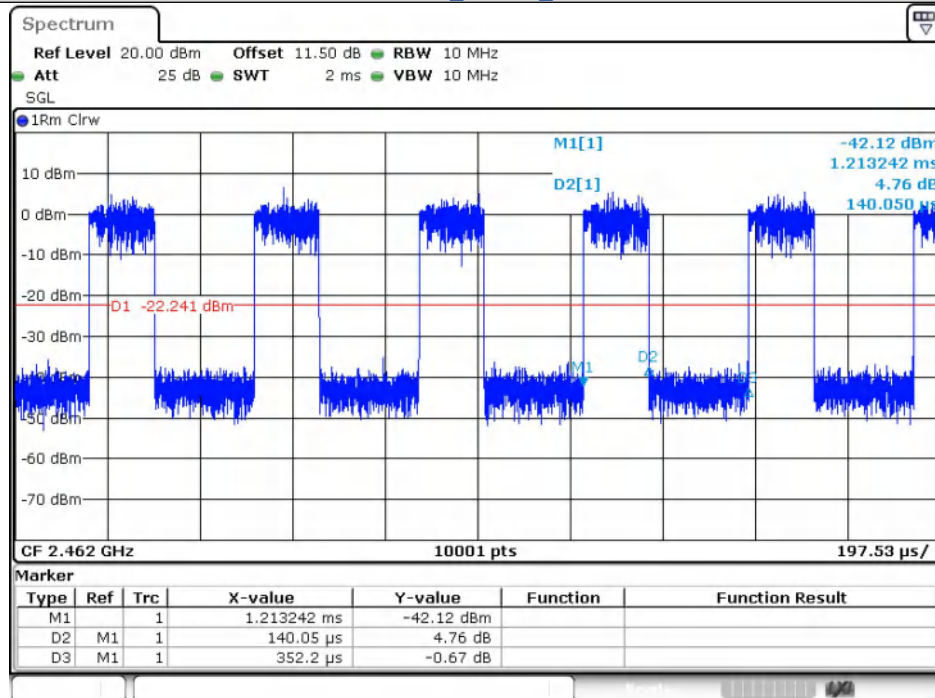
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IEEE 802.11ax_20MHz_Channel 1



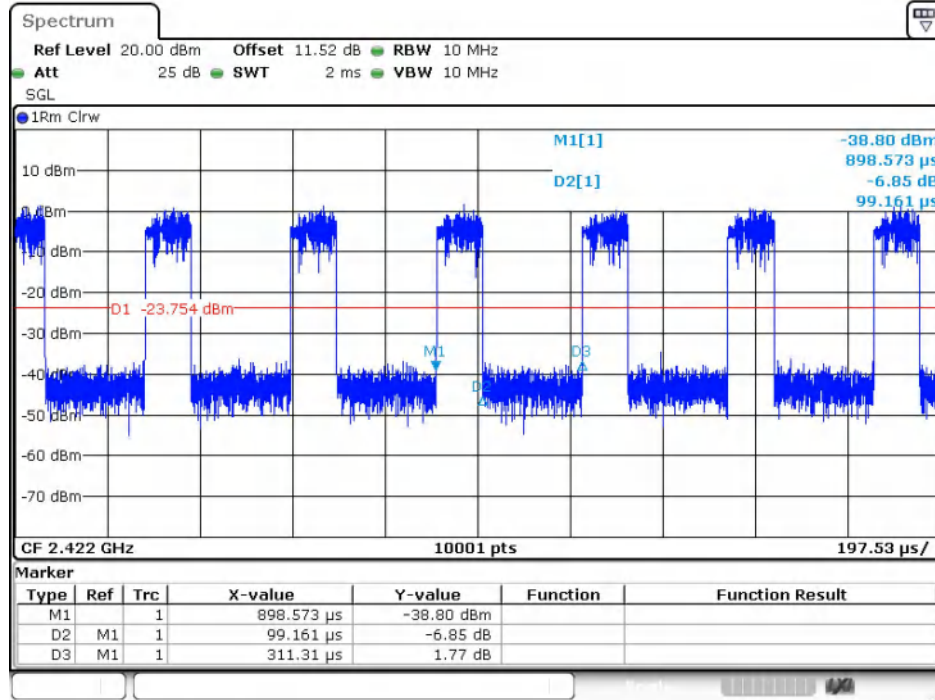
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IEEE 802.11ax_20MHz_Channel 6



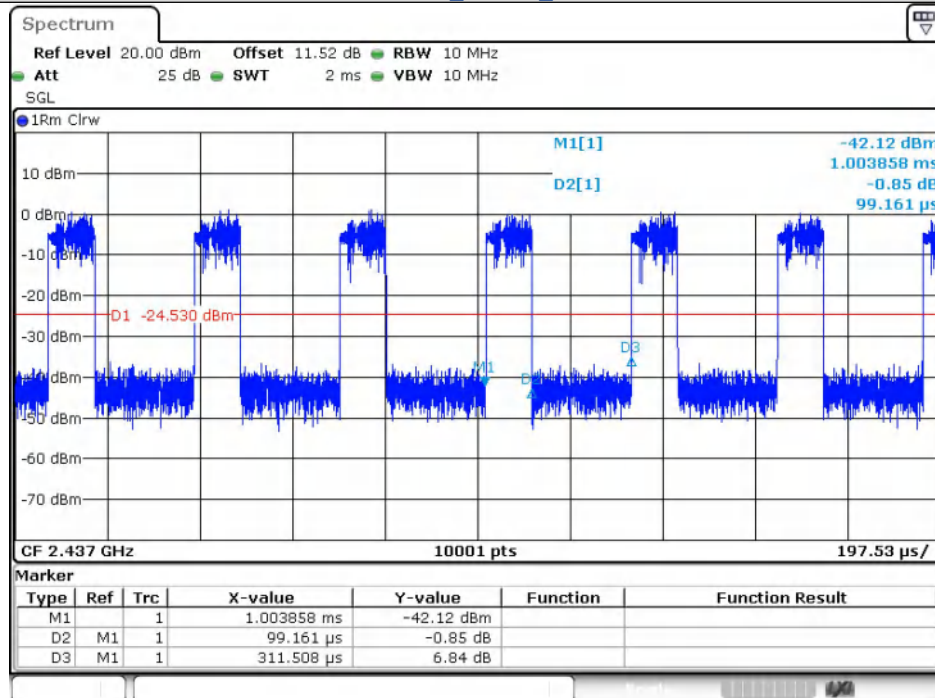
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IEEE 802.11ax_20MHz_Channel 11



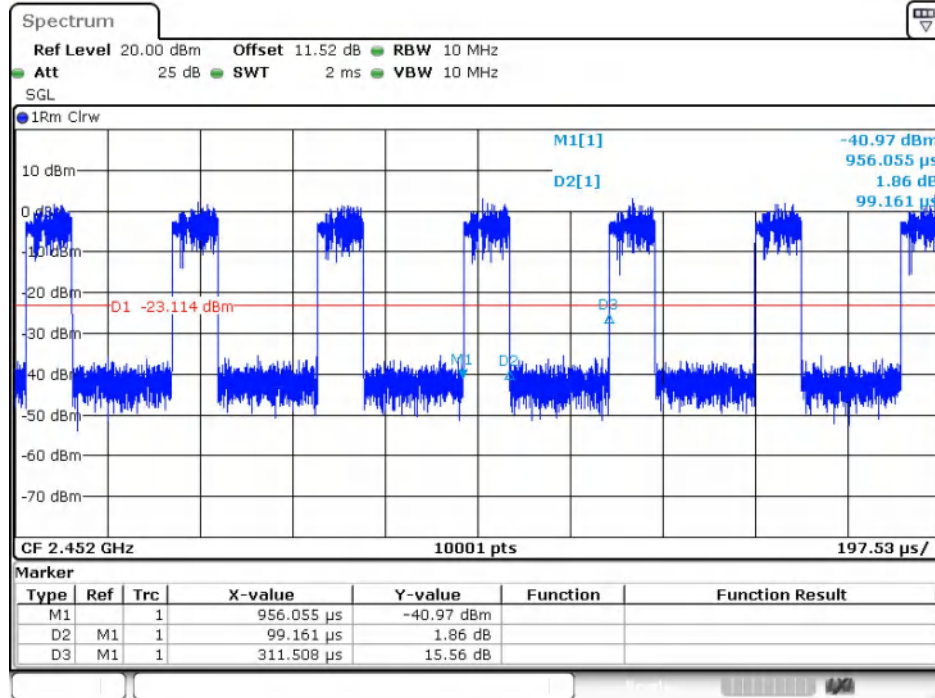
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IEEE 802.11ax_40MHz_Channel 3



Date: 19.SEP.2024 14:29:02

IEEE 802.11ax_40MHz_Channel 6



Date: 19.SEP.2024 14:33:19

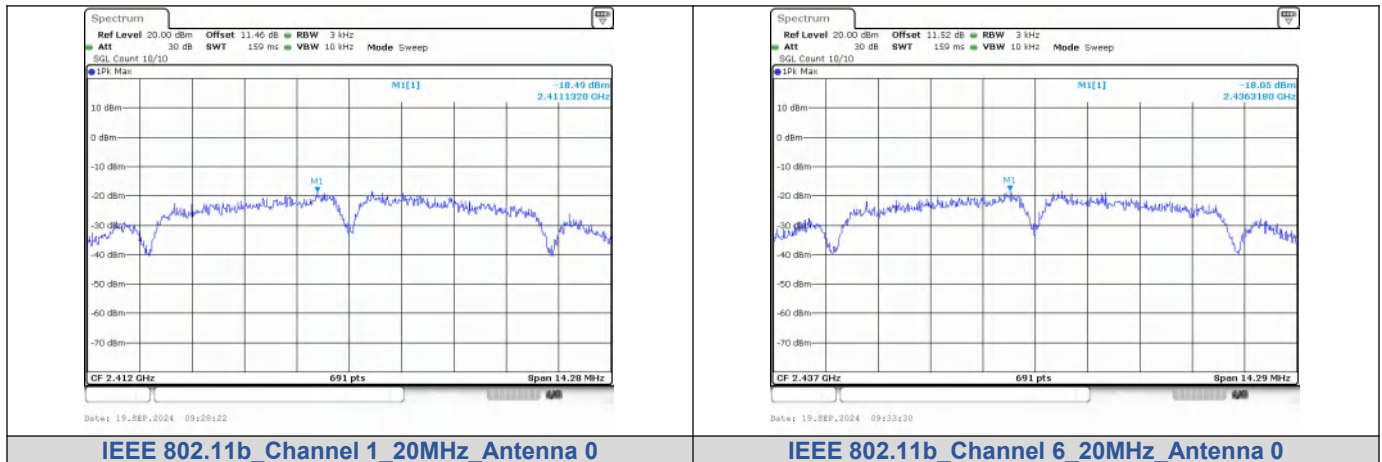
IEEE 802.11ax_40MHz_Channel 9

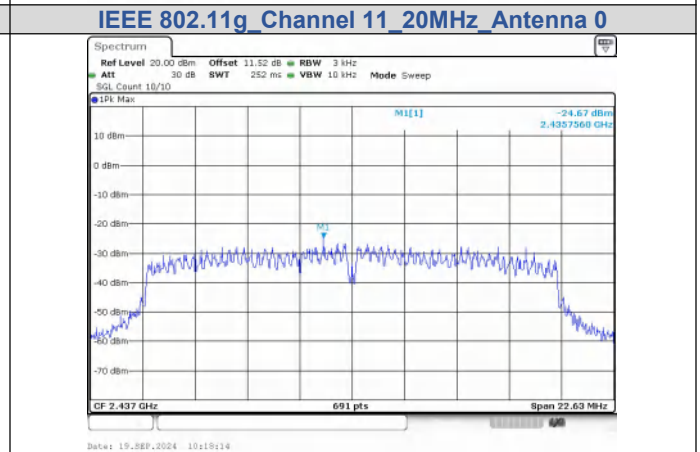
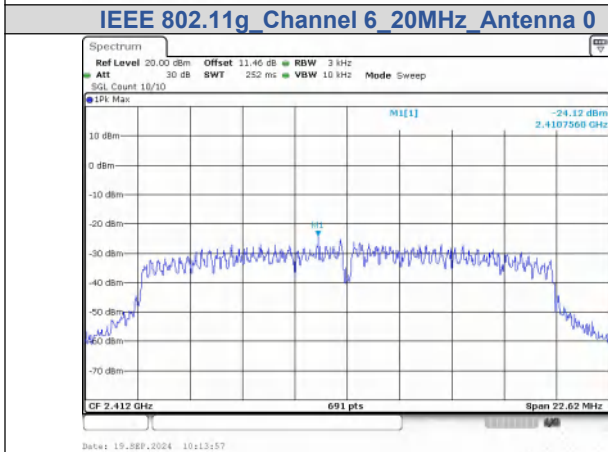
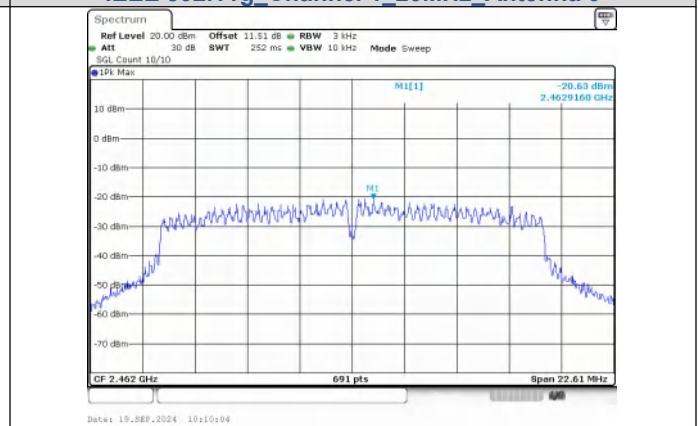
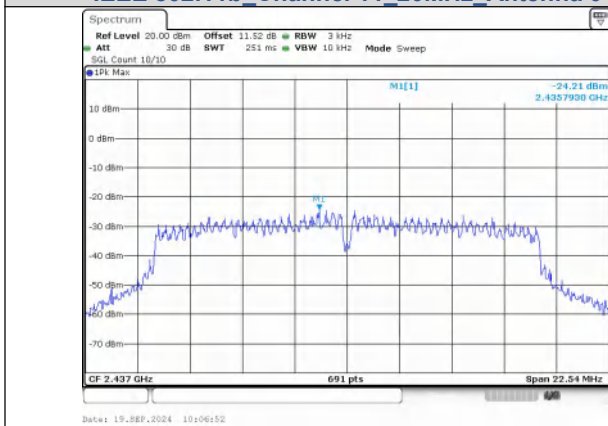
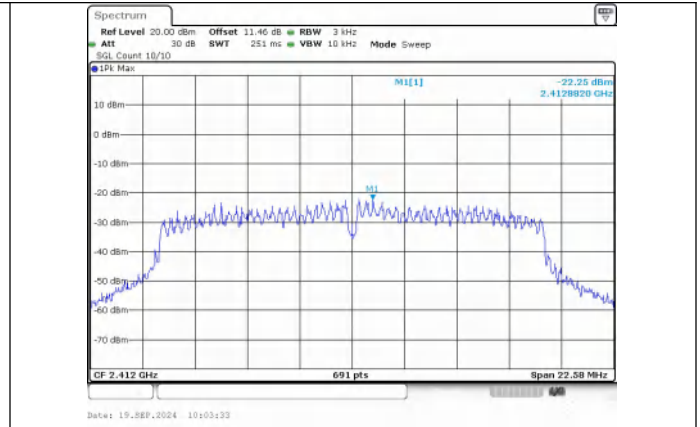
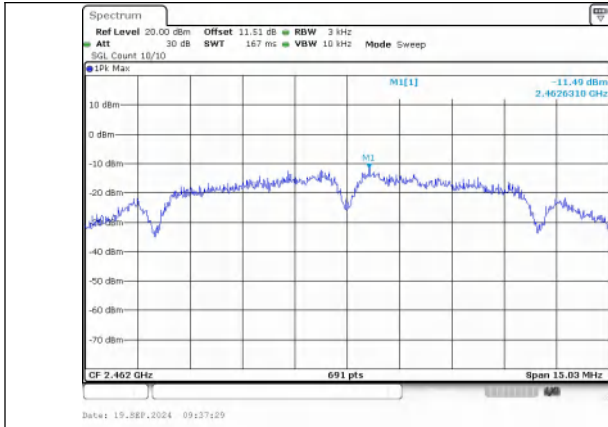
Power Spectral Density

Test Result

Mode	Channel	RU & Index	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
IEEE 802.11b	1	N/A	-18.494	≤8	PASS
	6		-18.050		PASS
	11		-11.491		PASS
IEEE 802.11g	1		-22.254		PASS
	6		-24.207		PASS
	11		-20.633		PASS
IEEE 802.11n_20	1		-24.119		PASS
	6		-24.670		PASS
	11		-20.545		PASS
IEEE 802.11n_40	3		-27.677		PASS
	6		-30.486		PASS
	9		-28.899		PASS
IEEE 802.11ax_20	1	SU	-26.908		PASS
	6		-27.351		PASS
	11		-26.870		PASS
IEEE 802.11ax_40	3		-30.257		PASS
	6		-31.435		PASS
	9		-29.149		PASS

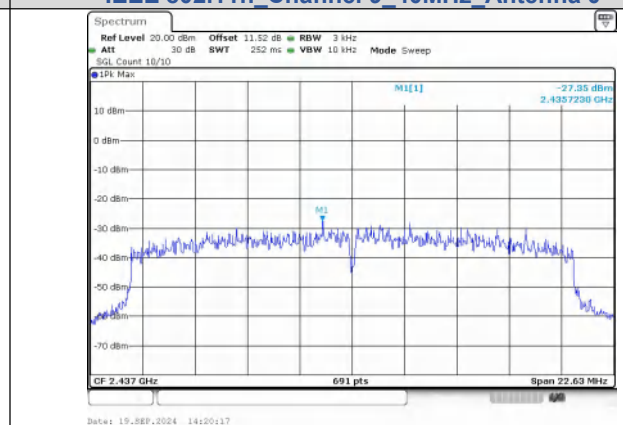
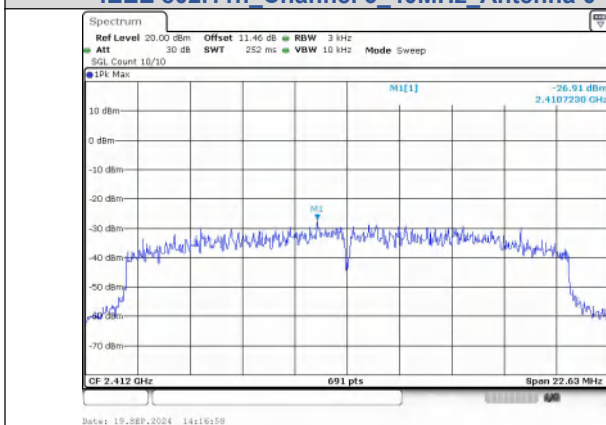
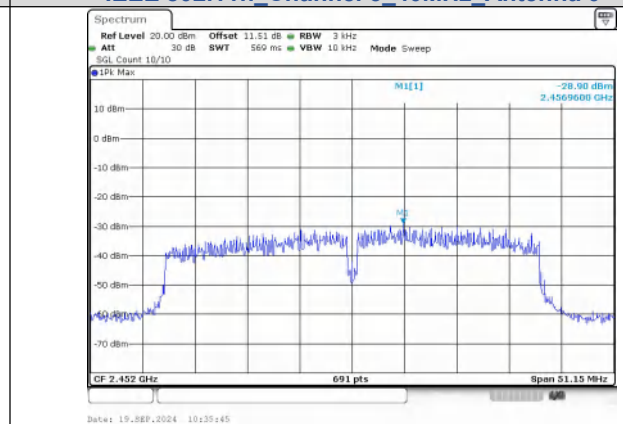
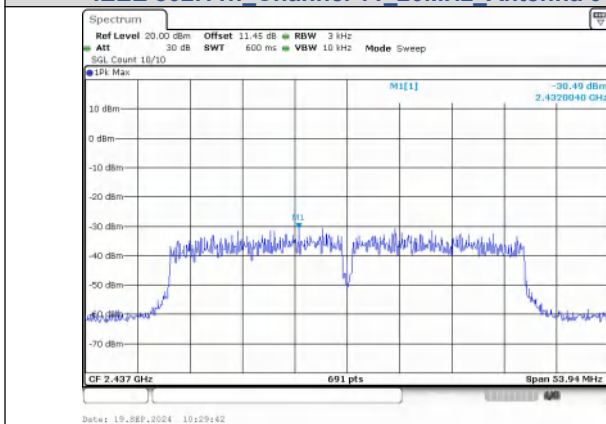
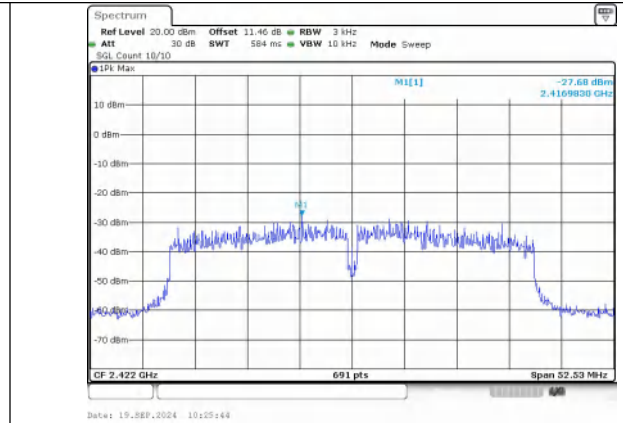
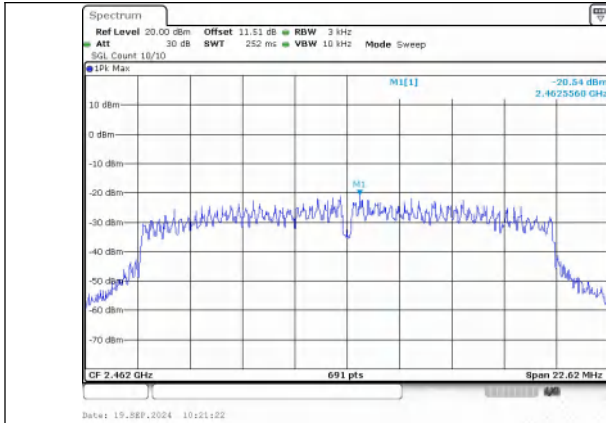
Test Graphs

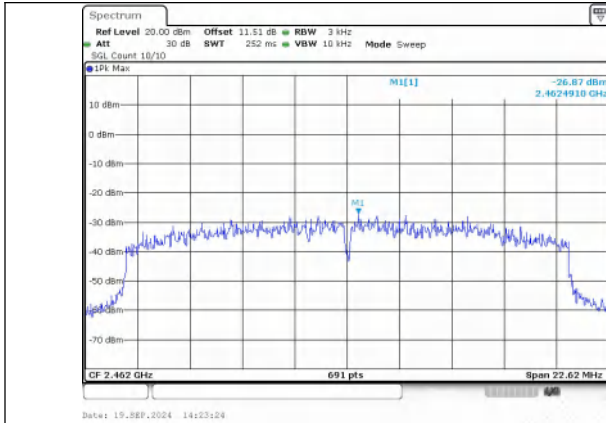




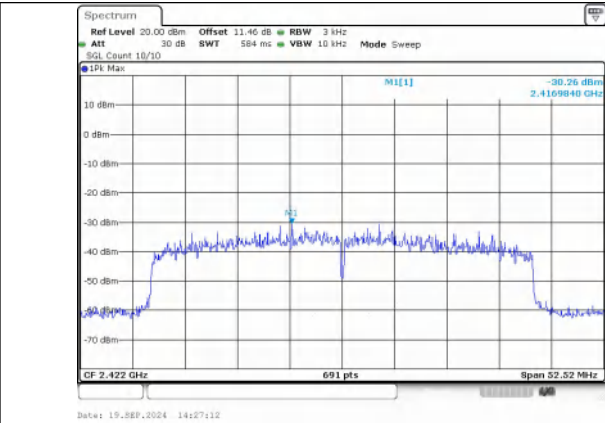
IEEE 802.11n Channel 1 20MHz Antenna 0

IEEE 802.11n Channel 6 20MHz Antenna 0

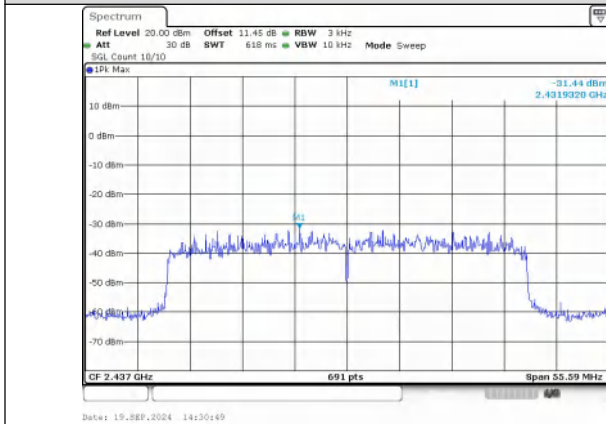




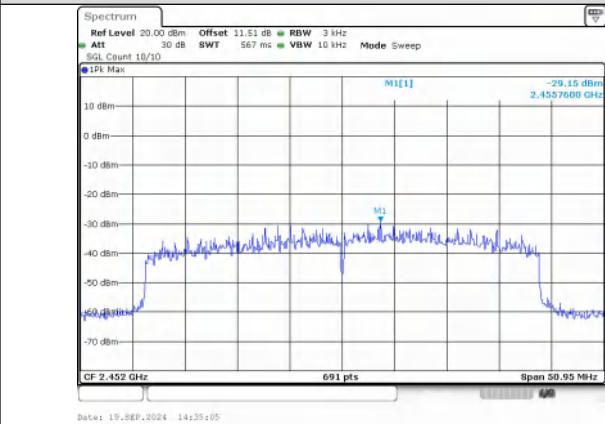
IEEE 802.11ax_Channel 11_20MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 3_40MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 6_40MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 9_40MHz_Antenna 0_RU&Index SU

Conducted Output Power

Test Result

Conducted Output Power

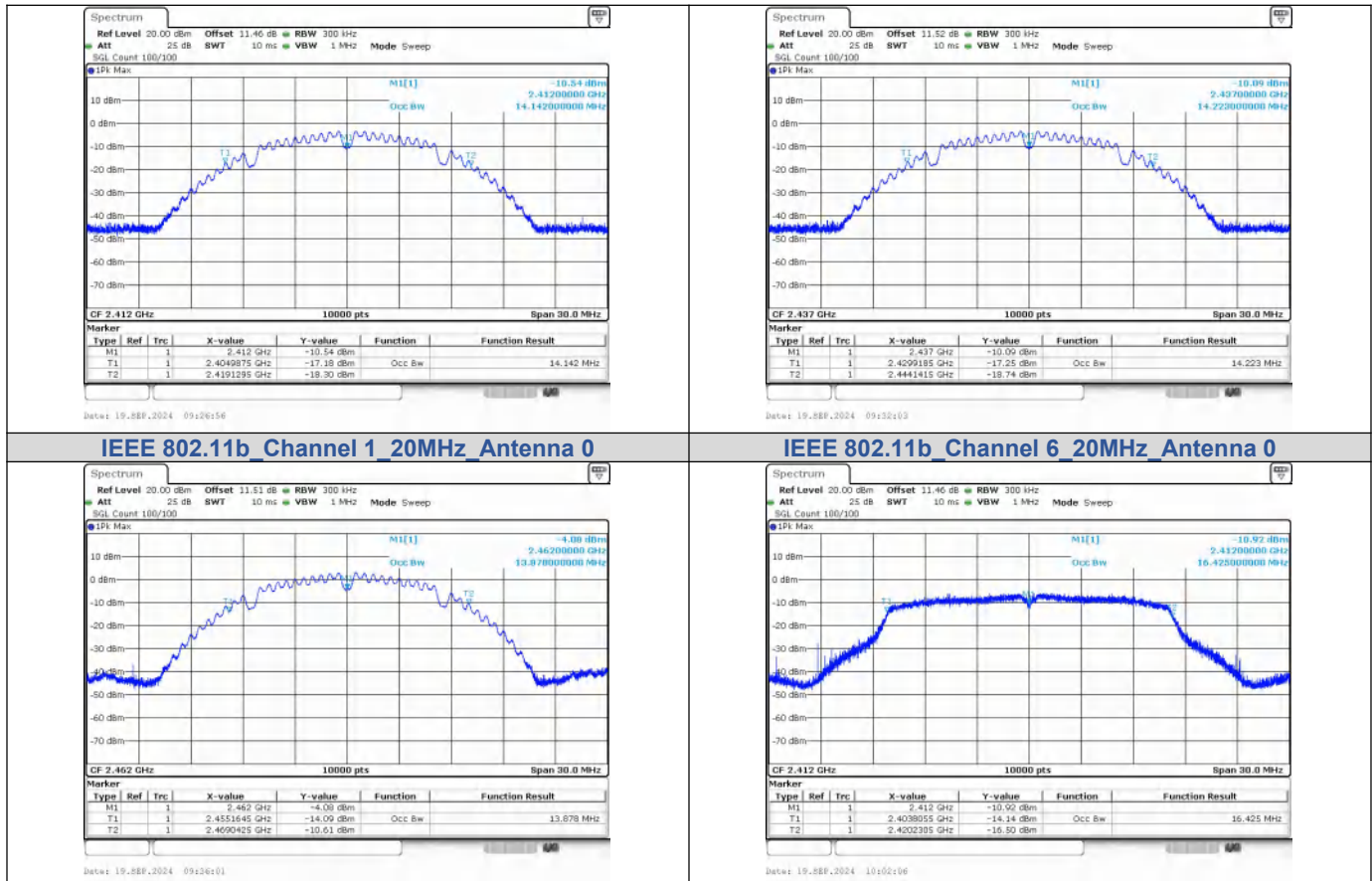
Mode	Channel	RU & Index	Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11b	1	N/A	7.71	≤30	PASS
	6		7.65	≤30	PASS
	11		8.08	≤30	PASS
IEEE 802.11g	1		8.62	≤30	PASS
	6		7.89	≤30	PASS
	11		7.95	≤30	PASS
IEEE 802.11n_20	1		8.57	≤30	PASS
	6		7.93	≤30	PASS
	11		7.98	≤30	PASS
IEEE 802.11n_40	3		7.67	≤30	PASS
	6		7.52	≤30	PASS
	9		8.52	≤30	PASS
IEEE 802.11ax_20	1	SU	7.87	≤30	PASS
	6		7.35	≤30	PASS
	11		8.66	≤30	PASS
IEEE 802.11ax_40	3		8.30	≤30	PASS
	6		8.40	≤30	PASS
	9		8.27	≤30	PASS

99% Bandwidth

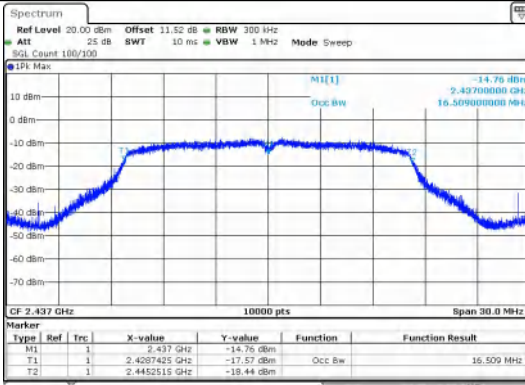
Test Result

Mode	Channel	RU & Index	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11b	1	N/A	0	2412	14.140
	6			2437	14.220
	11			2462	13.880
IEEE 802.11g	1			2412	16.430
	6			2437	16.510
	11			2462	16.400
IEEE 802.11n_20	1			2412	17.550
	6			2437	17.610
	11			2462	17.480
IEEE 802.11n_40	3			2422	35.900
	6			2437	36.140
	9			2452	35.910
IEEE 802.11ax_20	1	SU		2412	18.700
	6			2437	18.770
	11			2462	18.690
IEEE 802.11ax_40	3			2422	37.390
	6			2437	37.660
	9			2452	37.320

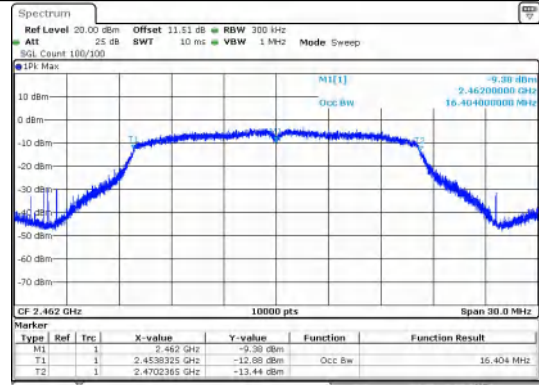
Test Graphs



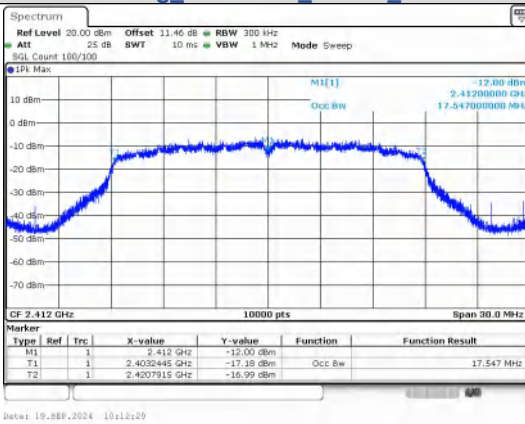
IEEE 802.11b Channel 11_20MHz_Antenna 0



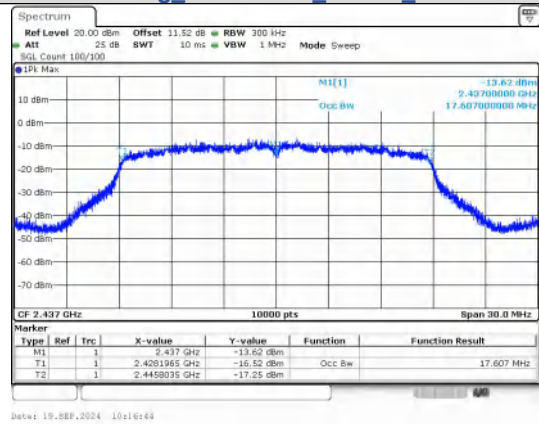
IEEE 802.11g Channel 1_20MHz_Antenna 0



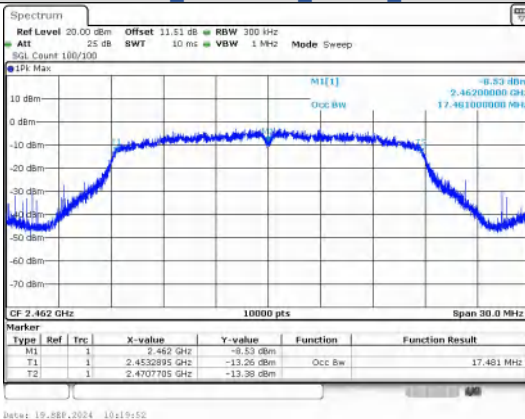
IEEE 802.11g Channel 6_20MHz_Antenna 0



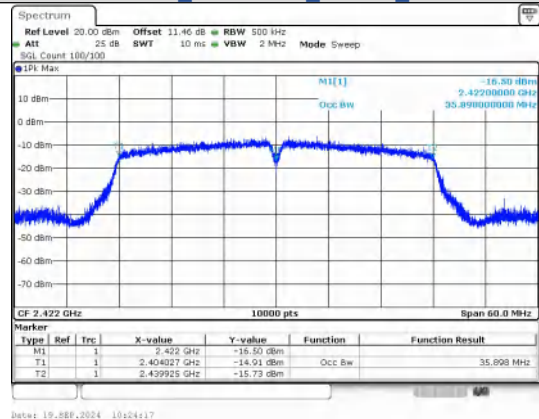
IEEE 802.11g Channel 11_20MHz_Antenna 0



IEEE 802.11n Channel 1_20MHz_Antenna 0

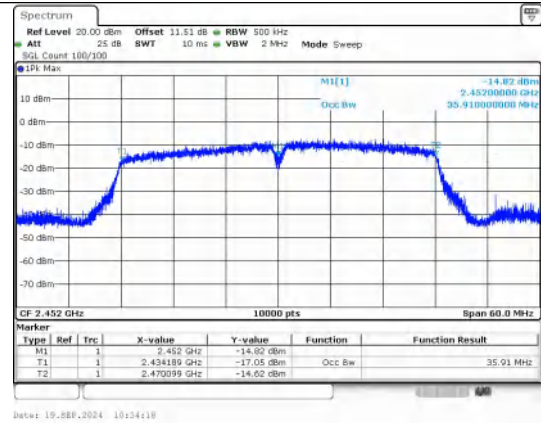
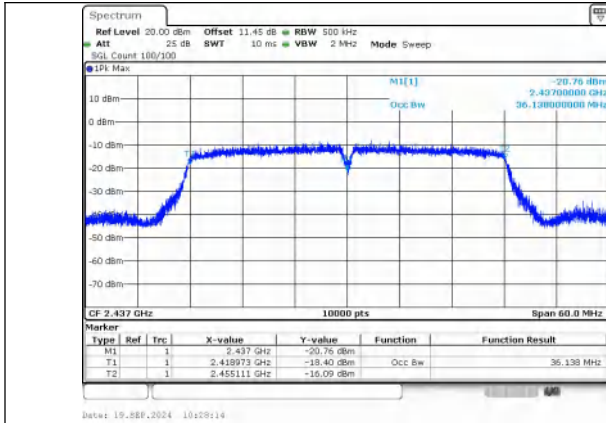


IEEE 802.11n Channel 6_20MHz_Antenna 0



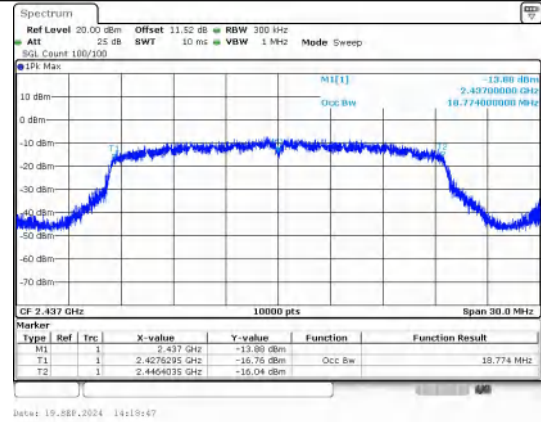
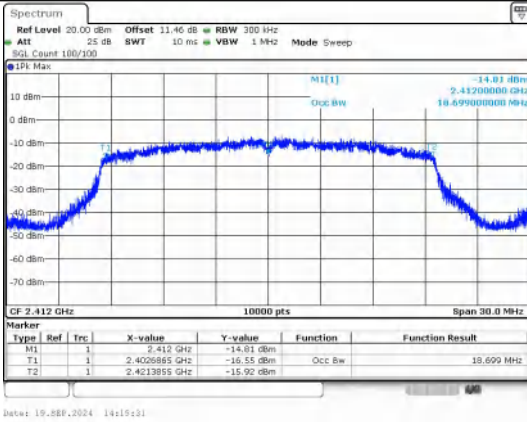
IEEE 802.11n Channel 11_20MHz_Antenna 0

IEEE 802.11n Channel 3_40MHz_Antenna 0



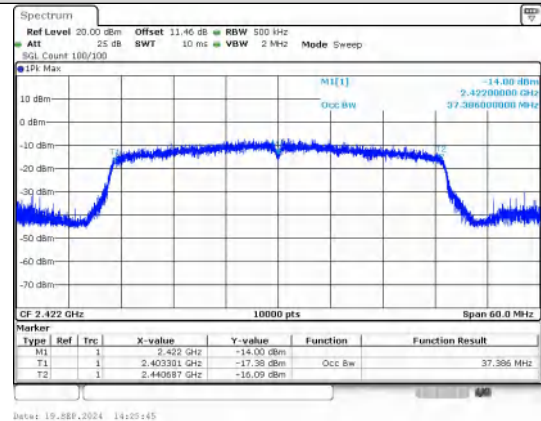
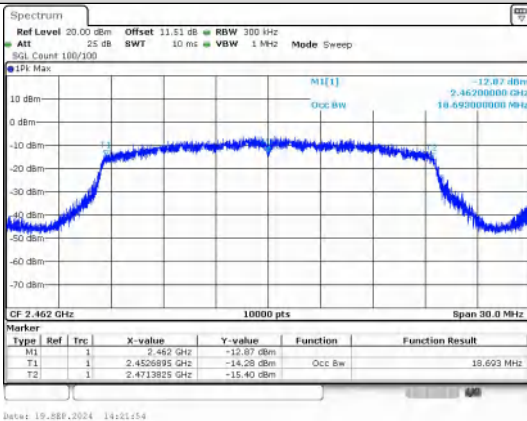
IEEE 802.11n_Channel 6_40MHz_Antenna 0

IEEE 802.11n_Channel 9_40MHz_Antenna 0



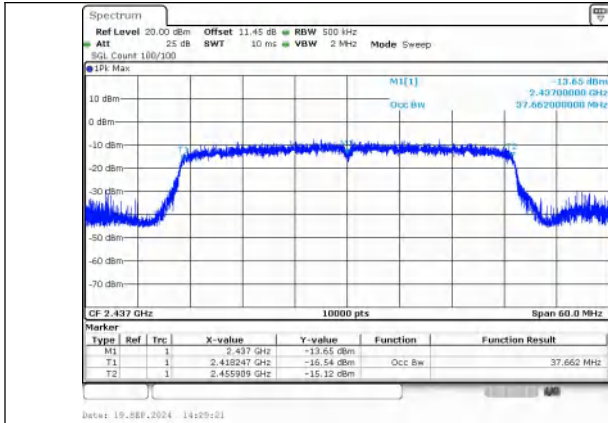
IEEE 802.11ax_Channel 1_20MHz_Antenna 0_RU&Index SU

IEEE 802.11ax_Channel 6_20MHz_Antenna 0_RU&Index SU

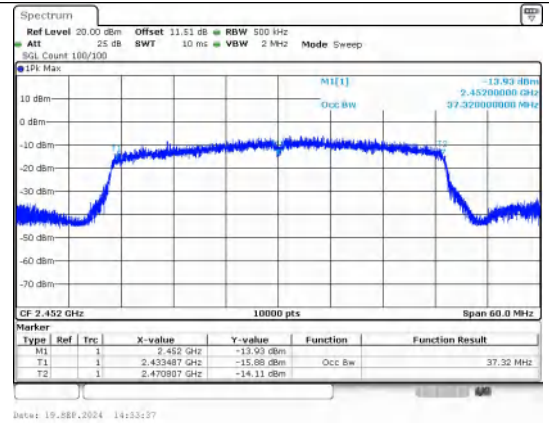


IEEE 802.11ax_Channel 11_20MHz_Antenna 0_RU&Index SU

IEEE 802.11ax_Channel 3_40MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 6_40MHz_Antenna 0_RU&Index
SU



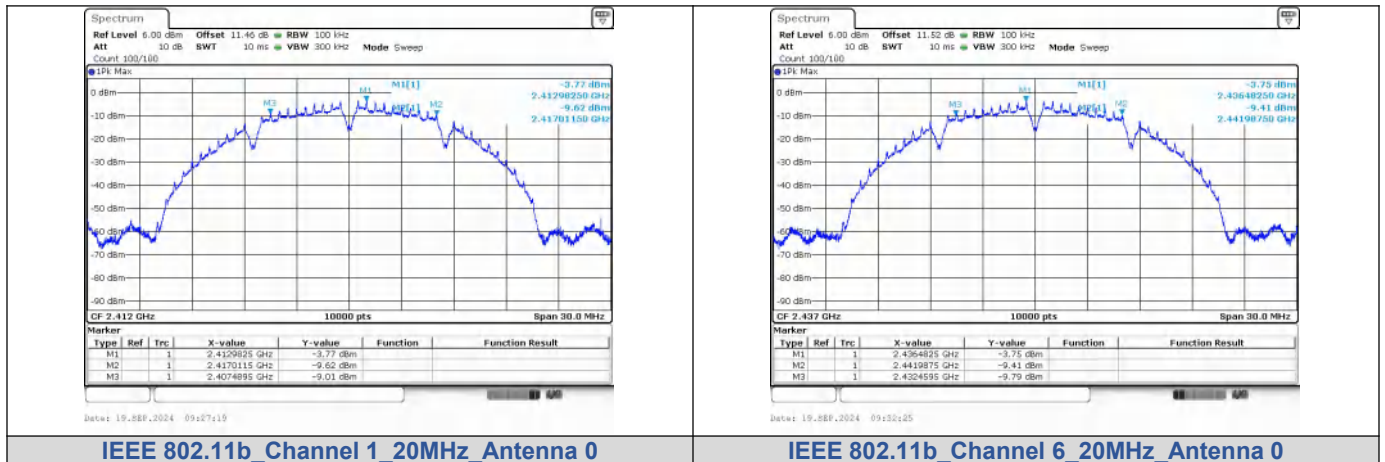
IEEE 802.11ax_Channel 9_40MHz_Antenna 0_RU&Index
SU

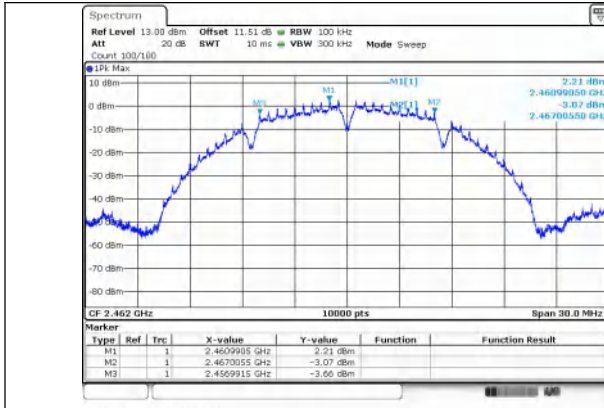
6dB Bandwidth

Test Result

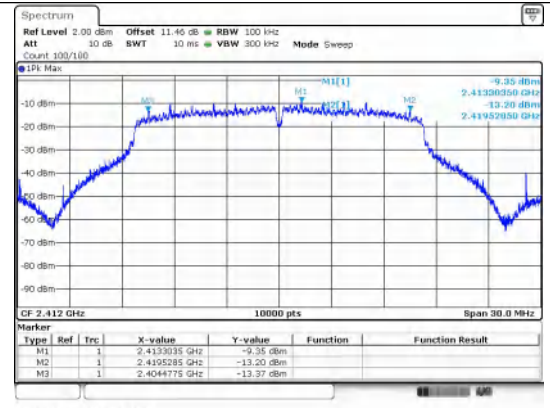
Mode	Channel	RU & Index	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11b	1	N/A	0	2412	9.520	≥0.5	PASS
	6			2437	9.530		PASS
	11			2462	10.02		PASS
IEEE 802.11g	1			2412	15.05		PASS
	6			2437	15.03		PASS
	11			2462	15.07		PASS
IEEE 802.11n_20	1			2412	15.08		PASS
	6			2437	15.09		PASS
	11			2462	15.08		PASS
IEEE 802.11n_40	3			2422	35.02		PASS
	6			2437	35.96		PASS
	9			2452	34.10		PASS
IEEE 802.11ax_20	1	SU		2412	15.09		PASS
	6			2437	15.09		PASS
	11			2462	15.08		PASS
IEEE 802.11ax_40	3			2422	35.01		PASS
	6			2437	37.06		PASS
	9			2452	33.97		PASS

Test Graphs

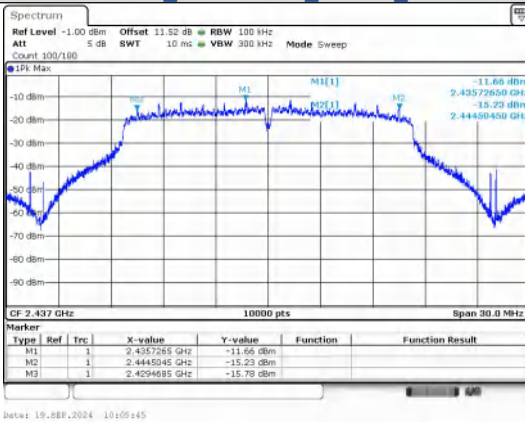




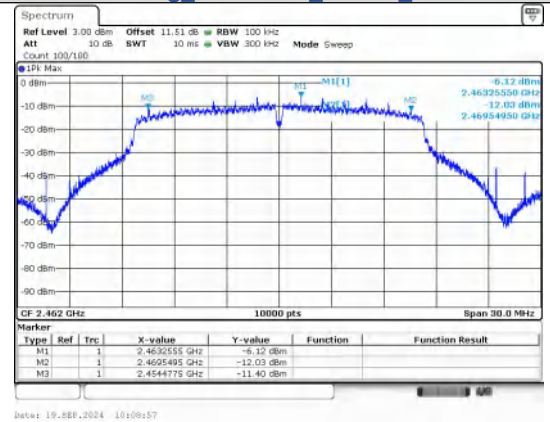
IEEE 802.11b Channel 11 20MHz Antenna 0



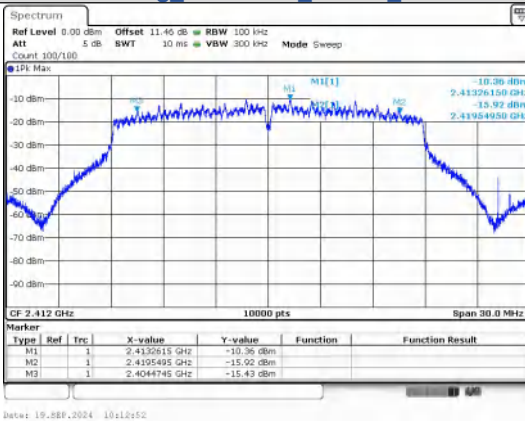
IEEE 802.11g Channel 1 20MHz Antenna 0



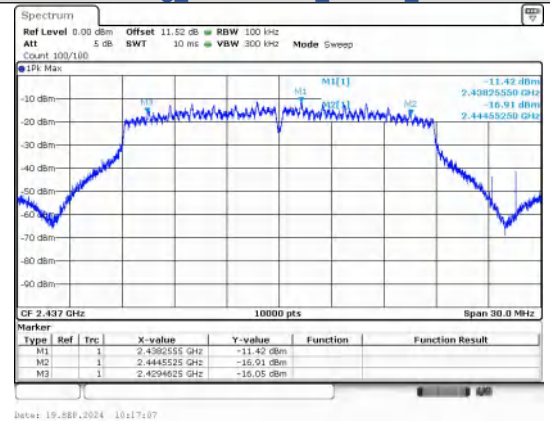
IEEE 802.11g Channel 6 20MHz Antenna 0



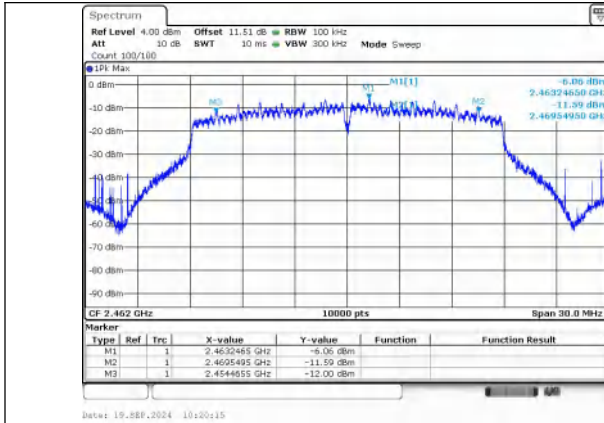
IEEE 802.11g Channel 11 20MHz Antenna 0



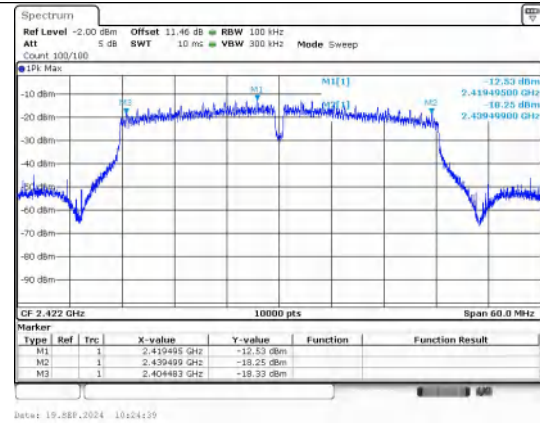
IEEE 802.11n Channel 1 20MHz Antenna 0



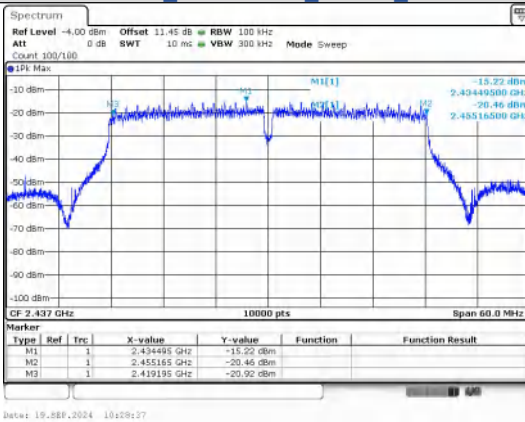
IEEE 802.11n Channel 6 20MHz Antenna 0



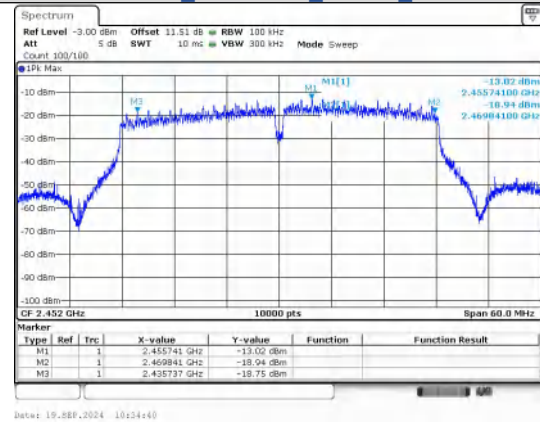
IEEE 802.11n Channel 11 20MHz Antenna 0



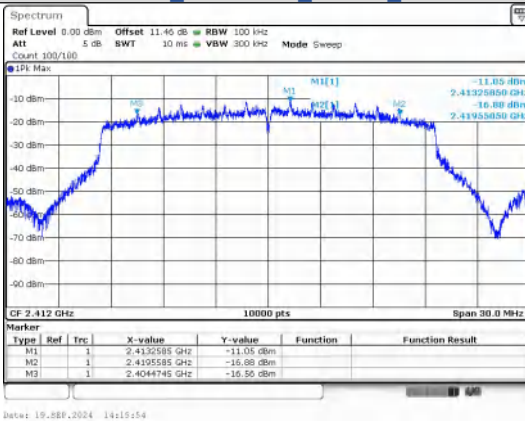
IEEE 802.11n Channel 3 40MHz Antenna 0



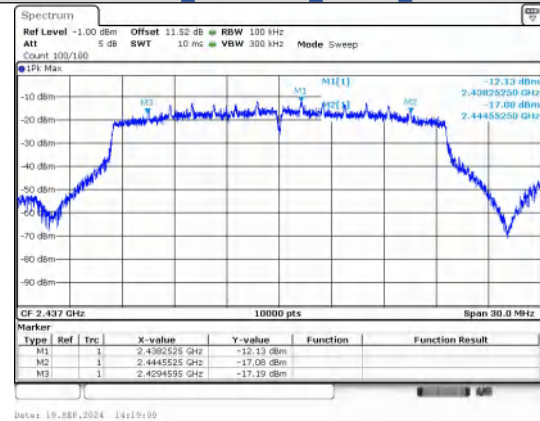
IEEE 802.11n Channel 6 40MHz Antenna 0



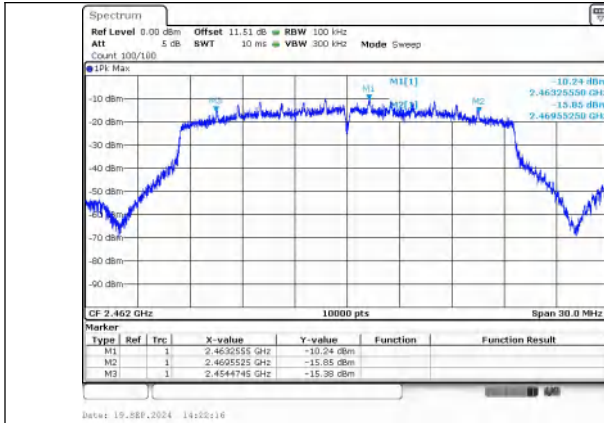
IEEE 802.11n Channel 9 40MHz Antenna 0



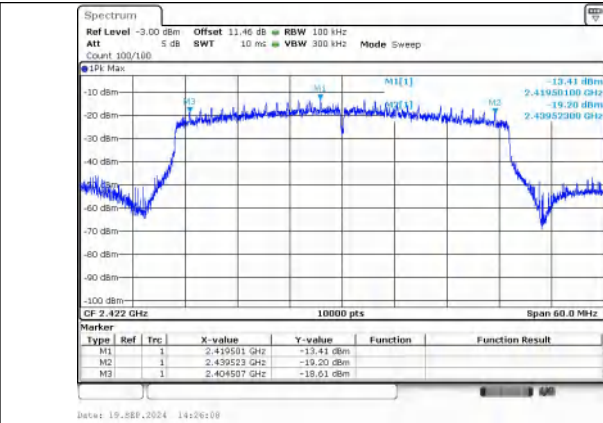
IEEE 802.11ax Channel 1 20MHz Antenna 0_RU&Index SU



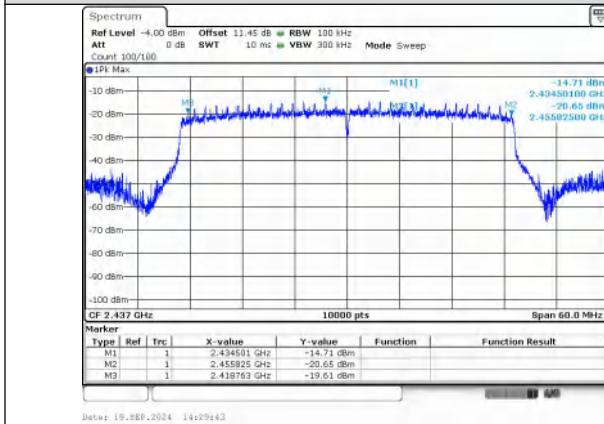
IEEE 802.11ax Channel 6 20MHz Antenna 0_RU&Index SU



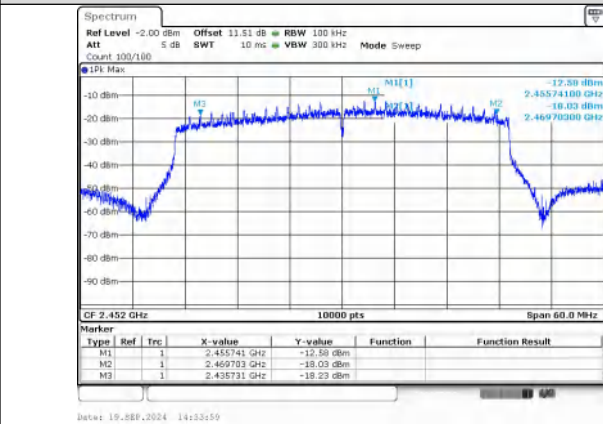
IEEE 802.11ax_Channel 11_20MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 3_40MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 6_40MHz_Antenna 0_RU&Index SU



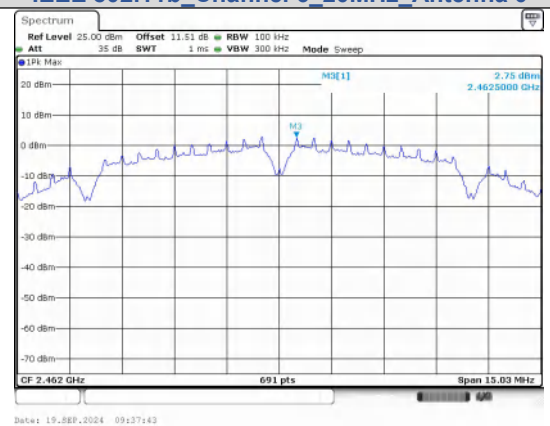
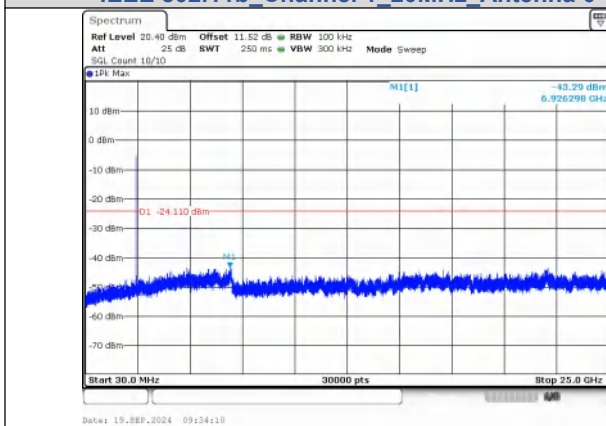
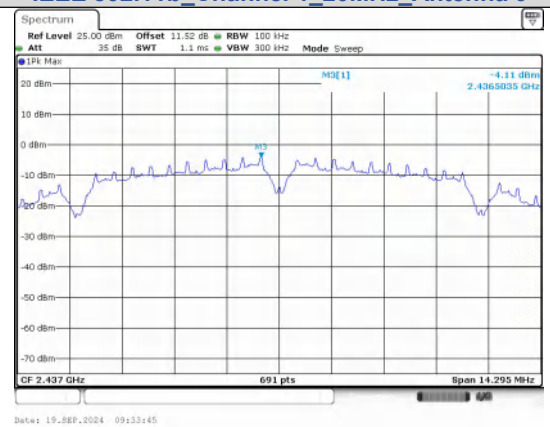
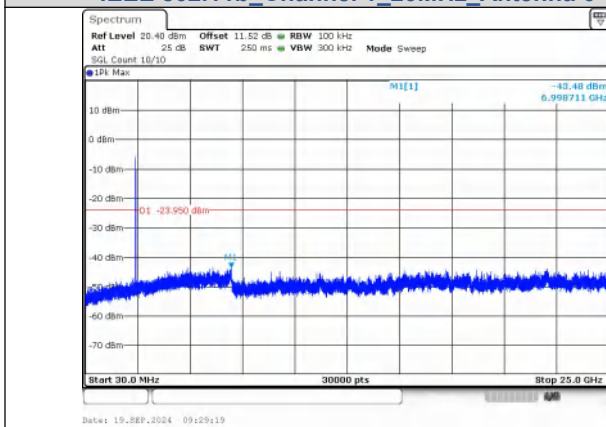
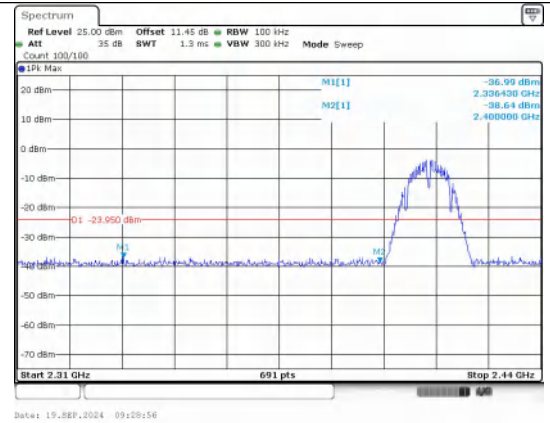
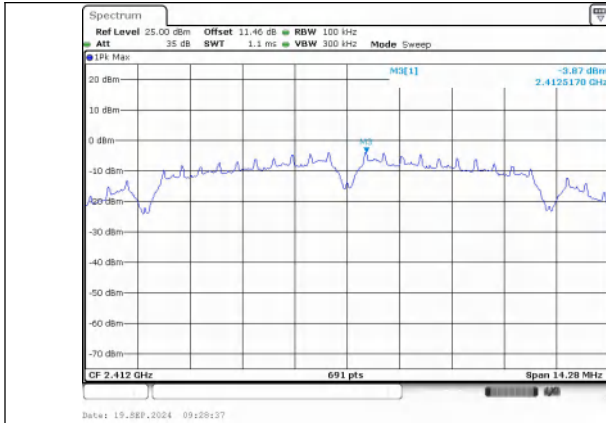
IEEE 802.11ax_Channel 9_40MHz_Antenna 0_RU&Index SU

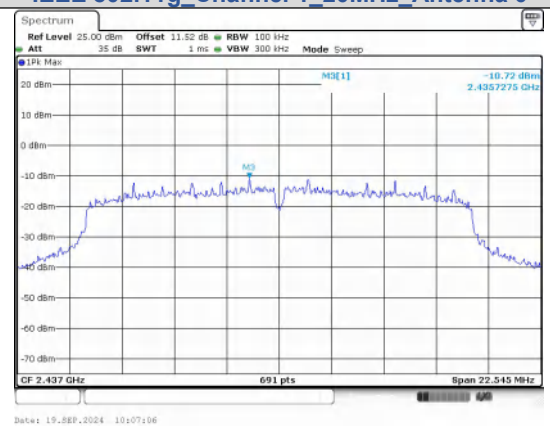
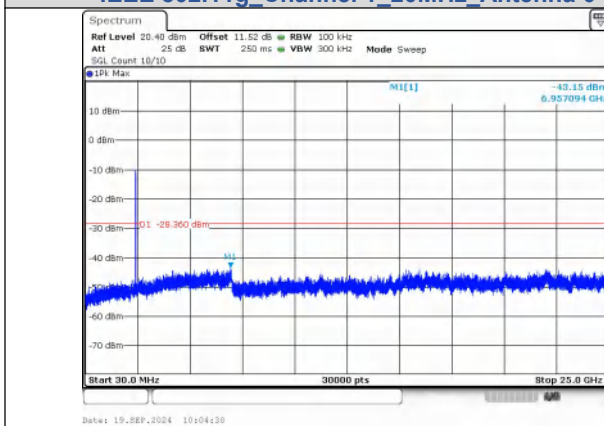
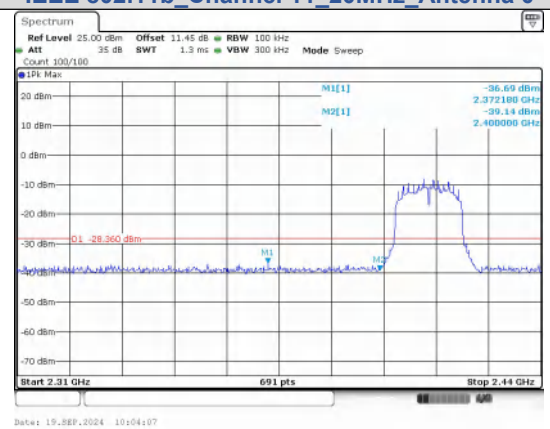
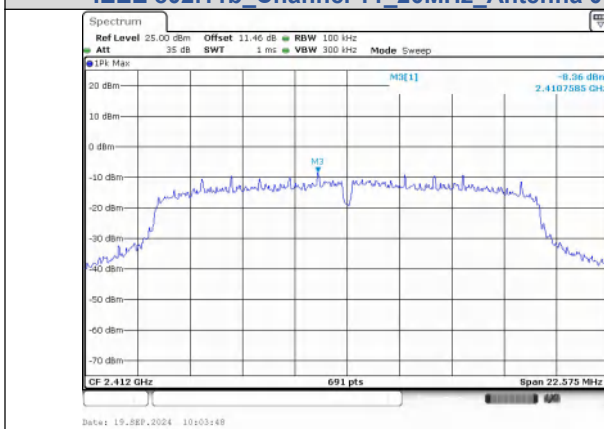
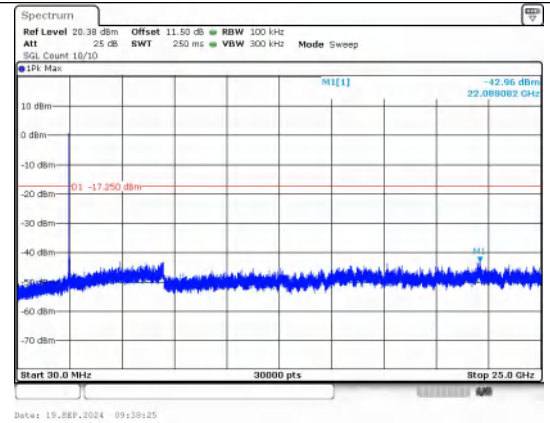
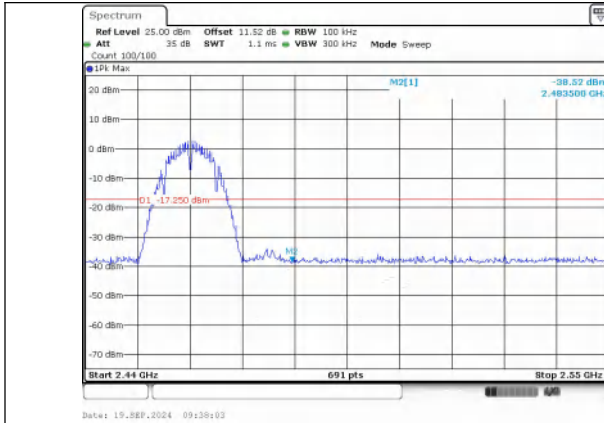
Conducted Out Of Band Emission

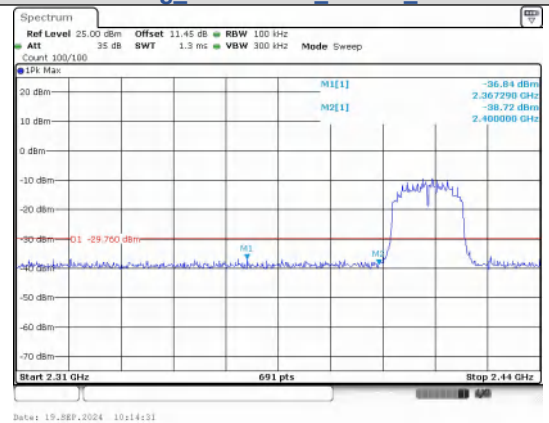
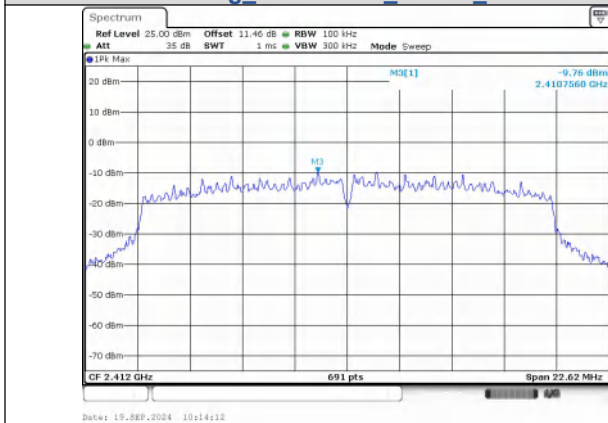
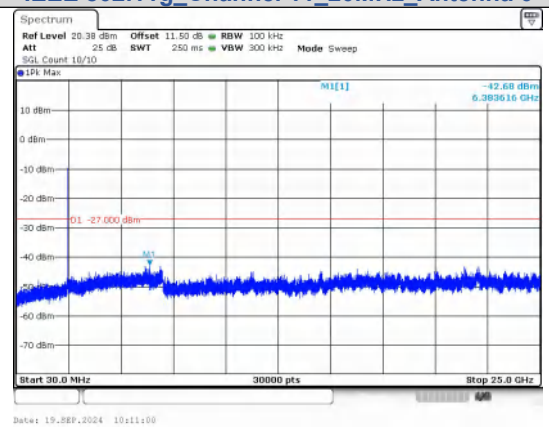
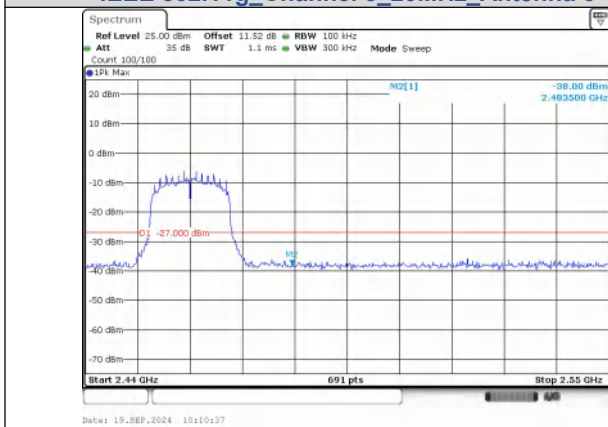
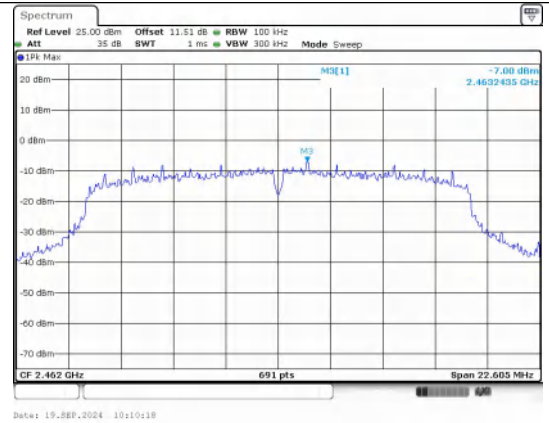
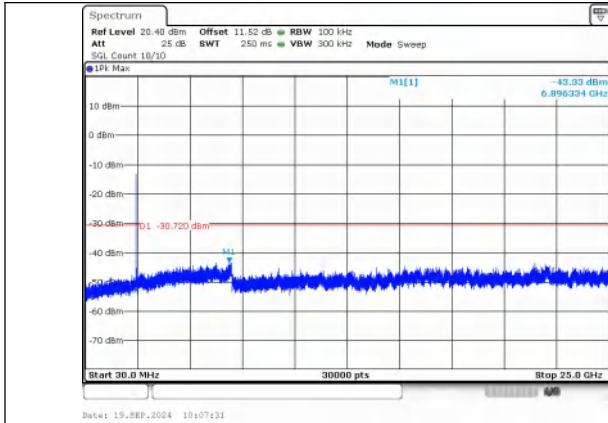
Test Result

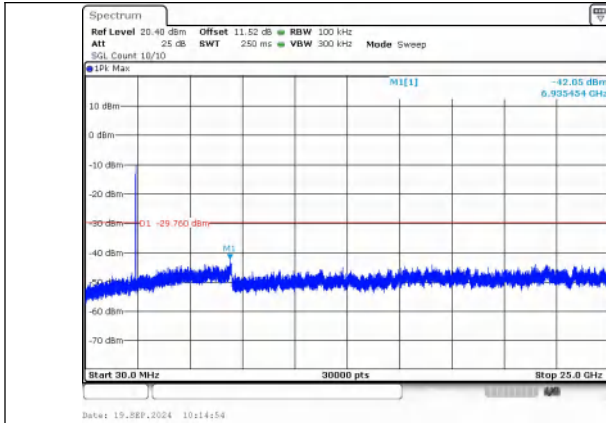
Mode	Channel	RU & Index	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	
IEEE 802.11b	1	N/A	0	2336.43	-36.994	-23.95	-13.044	PASS	
				2400.00	-38.637	-23.95	-14.687	PASS	
	6998.70			-43.476	-23.95	-19.526	PASS		
	6			6926.30	-43.294	-24.11	-19.184	PASS	
				11	2483.50	-38.519	-17.25	-21.269	PASS
22088.1					-42.956	-17.25	-25.706	PASS	
IEEE 802.11g	1				2372.18	-36.688	-28.36	-8.328	PASS
				2400.00	-39.137	-28.36	-10.777	PASS	
	6957.10			-43.148	-28.36	-14.788	PASS		
	6			6896.33	-43.330	-30.72	-12.610	PASS	
				11	2483.50	-38.001	-27.0	-11.001	PASS
6383.62					-42.680	-27.0	-15.680	PASS	
IEEE 802.11n_20	1				2367.29	-36.843	-29.76	-7.083	PASS
				2400.00	-38.724	-29.76	-8.964	PASS	
	6			6935.50	-42.049	-29.76	-12.289	PASS	
				11	6952.93	-43.030	-30.67	-12.360	PASS
					2483.50	-37.786	-26.11	-11.676	PASS
IEEE 802.11n_40	3				6980.40	-43.106	-26.11	-16.996	PASS
				2398.52	-36.309	-31.78	-4.529	PASS	
	6			2400.00	-38.107	-31.78	-6.327	PASS	
				9	6900.50	-43.149	-31.78	-11.369	PASS
					6967.08	-42.750	-33.89	-8.860	PASS
IEEE 802.11ax_20	1				2483.50	-38.847	-32.18	-6.667	PASS
				21359.8	-42.718	-32.18	-10.538	PASS	
	6	2397.76	-36.429	-30.58	-5.849	PASS			
		11	2400.00	-37.416	-30.58	-6.836	PASS		
			6968.70	-43.043	-30.58	-12.463	PASS		
IEEE 802.11ax_40	3		6929.63	-43.041	-31.08	-11.961	PASS		
		2483.50	-38.073	-29.67	-8.403	PASS			
	6	22111.4	-43.526	-29.67	-13.856	PASS			
		9	2385.16	-36.621	-32.65	-3.971	PASS		
			2400.00	-38.286	-32.65	-5.636	PASS		
22018.2	-42.244		-32.65	-9.594	PASS				
5875.89	-43.404	-33.49	-9.914	PASS					
2483.50	-37.830	-31.75	-6.080	PASS					
6940.45	-43.133	-31.75	-11.383	PASS					

Test Graphs

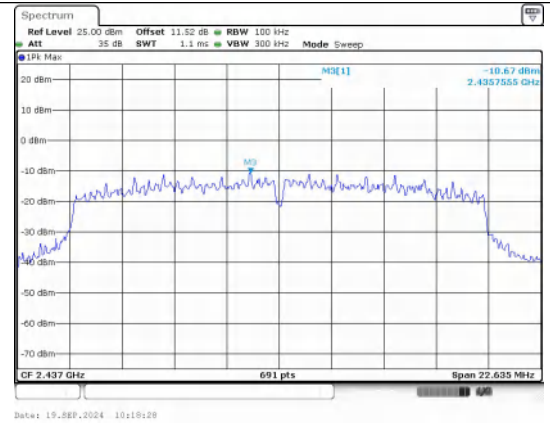




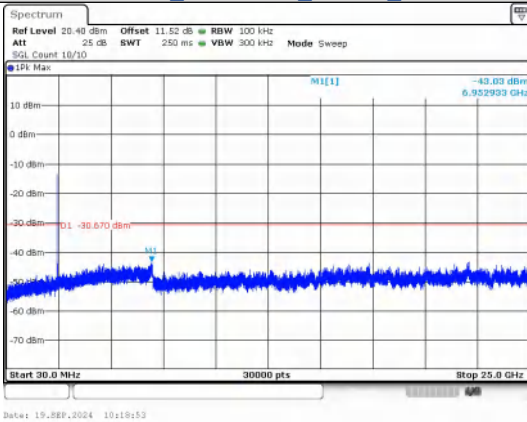




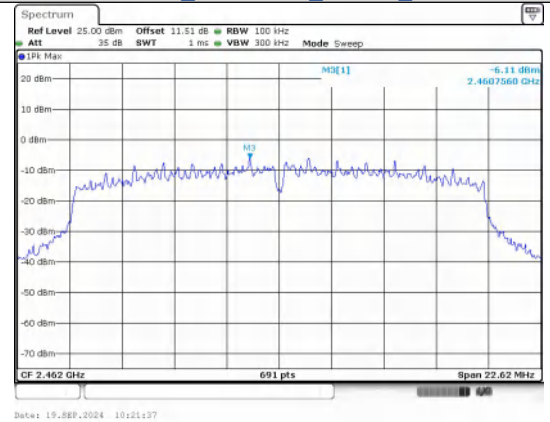
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 1_20MHz_Antenna 0



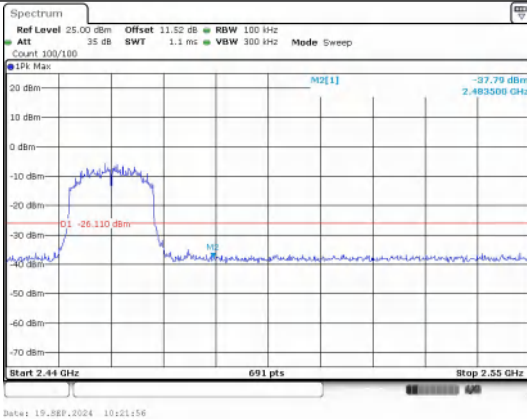
In-Band Reference Level
IEEE 802.11n_Channel 6_20MHz_Antenna 0



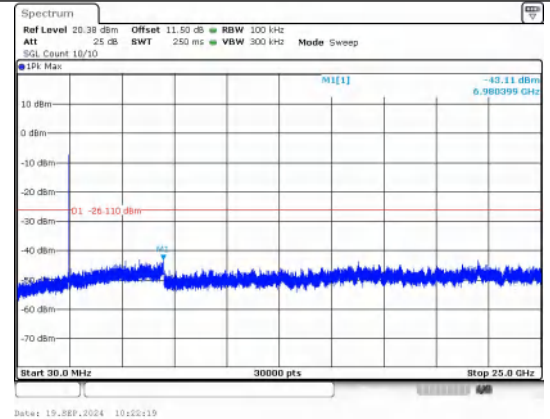
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 6_20MHz_Antenna 0



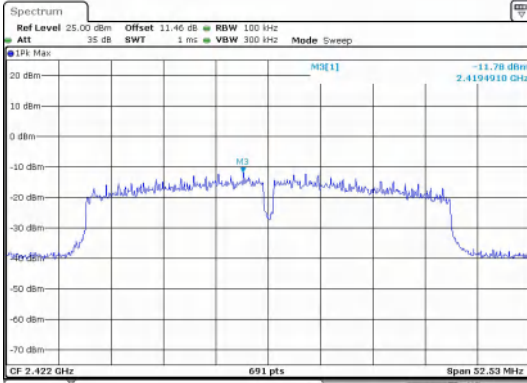
In-Band Reference Level
IEEE 802.11n_Channel 11_20MHz_Antenna 0



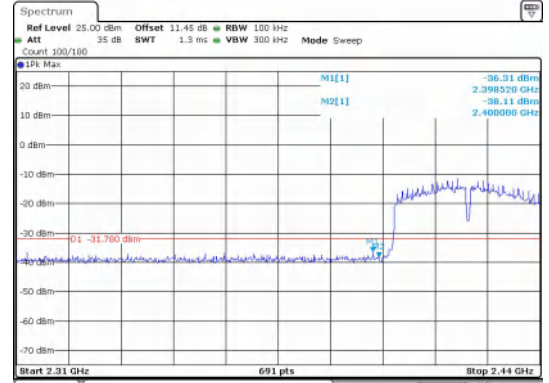
Out Of Band Emission
IEEE 802.11n_Channel 11_20MHz_Antenna 0



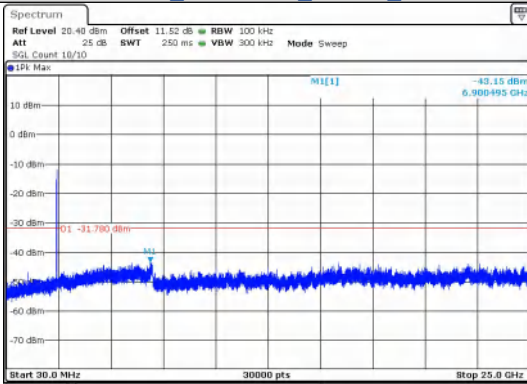
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 11_20MHz_Antenna 0



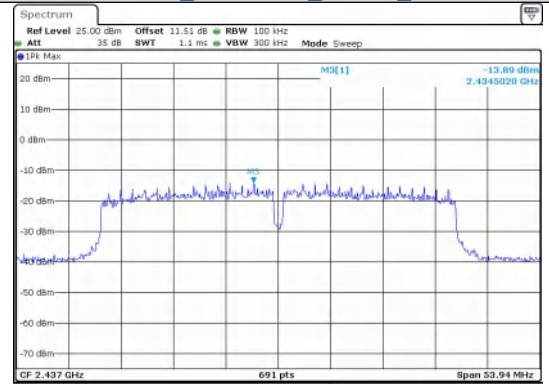
In-Band Reference Level
IEEE 802.11n_Channel 3_40MHz_Antenna 0



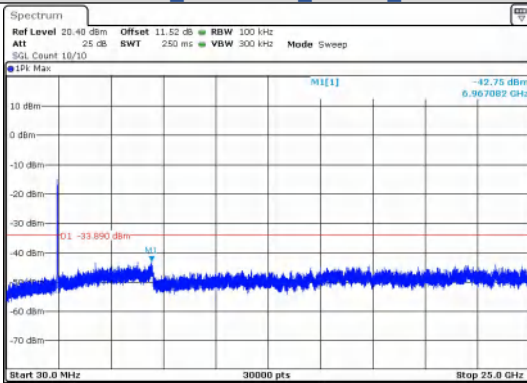
Out Of Band Emission
IEEE 802.11n_Channel 3_40MHz_Antenna 0



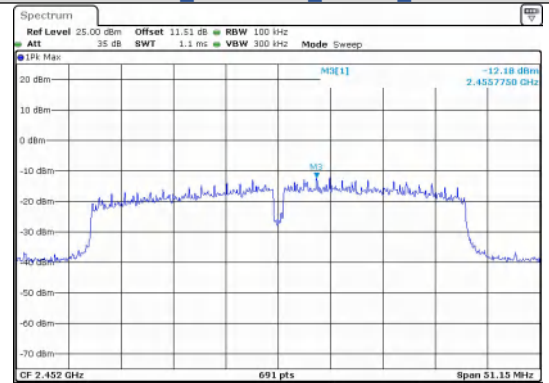
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 3_40MHz_Antenna 0



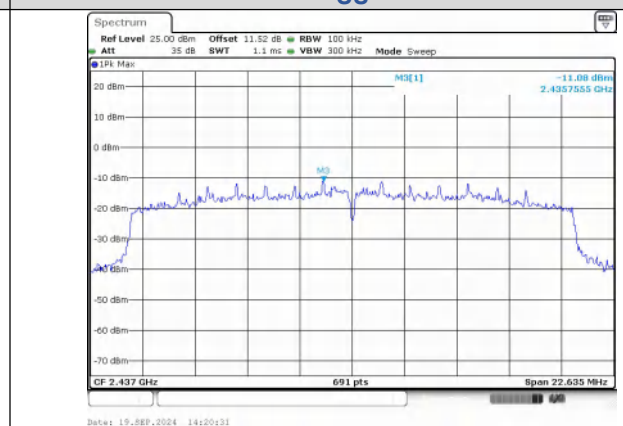
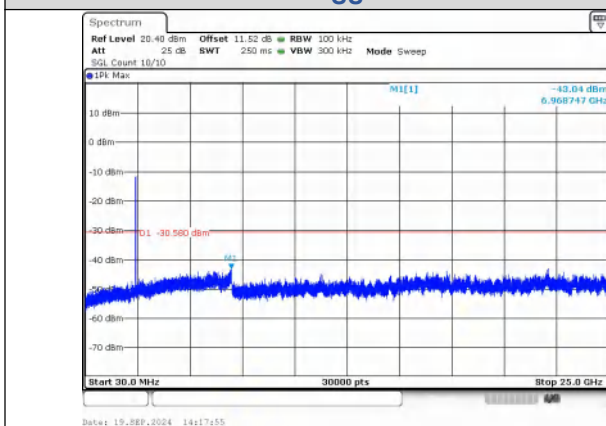
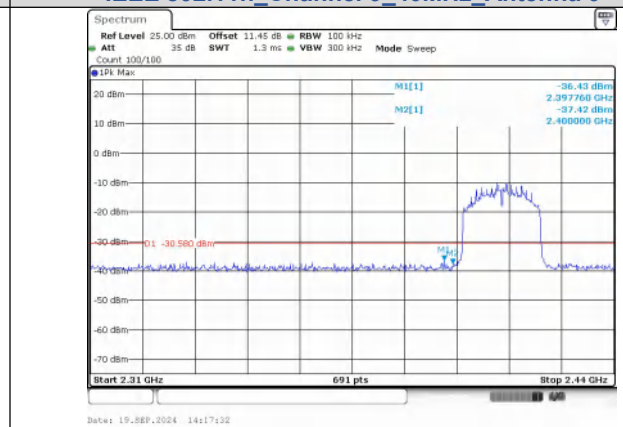
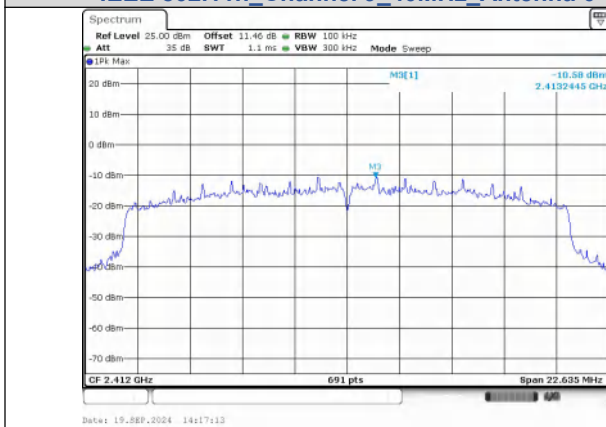
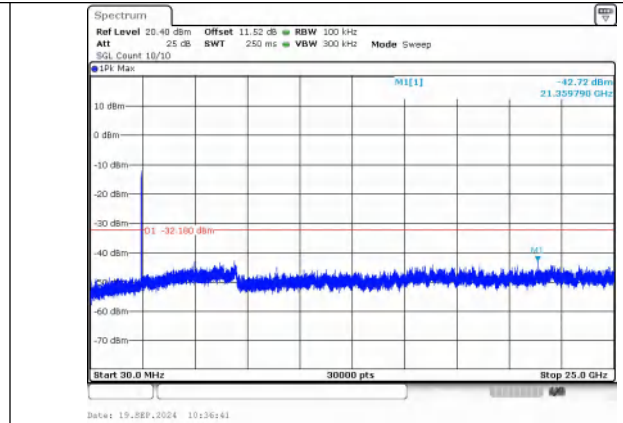
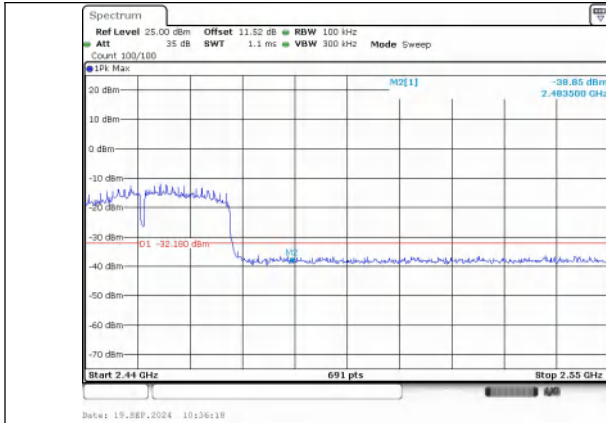
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IEEE 802.11n_Channel 6_40MHz_Antenna 0

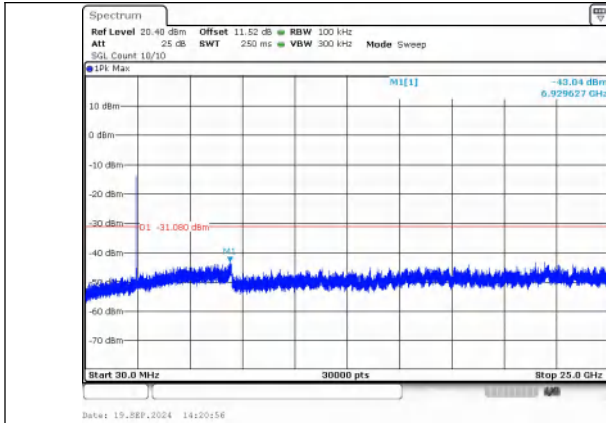


30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 6_40MHz_Antenna 0

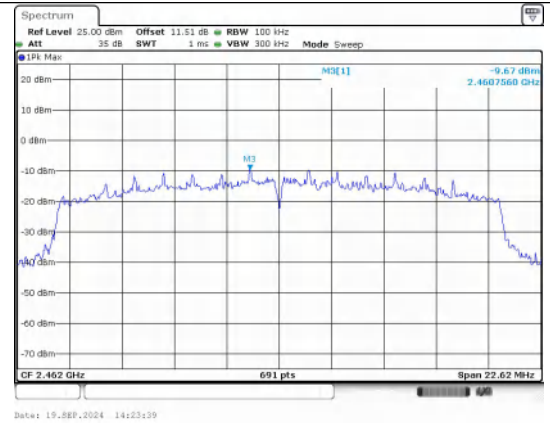


In-Band Reference Level
IEEE 802.11n_Channel 9_40MHz_Antenna 0

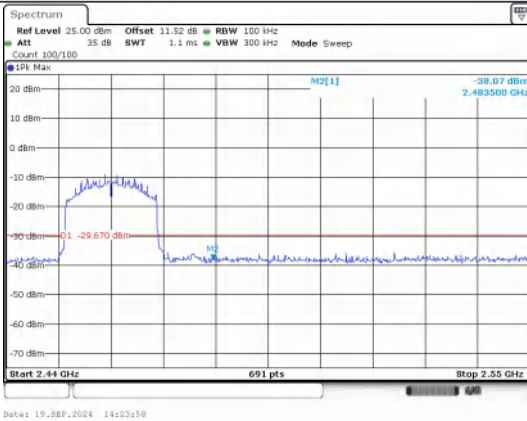




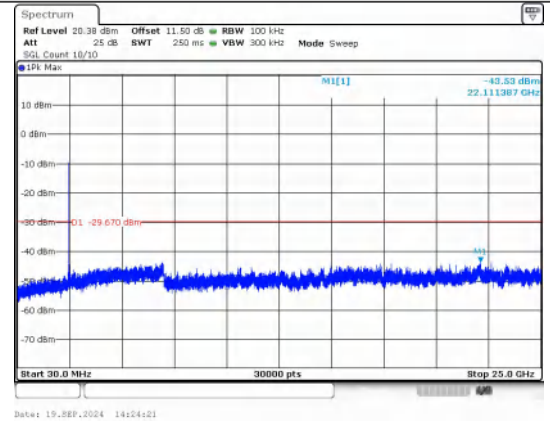
30.0 MHz - 25000.0 MHz
IEEE 802.11ax_Channel 6_20MHz_Antenna 0_RU&Index
SU



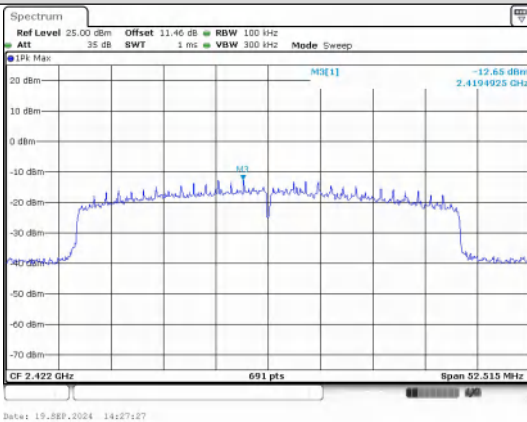
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IEEE 802.11ax_Channel 11_20MHz_Antenna 0_RU&Index
SU



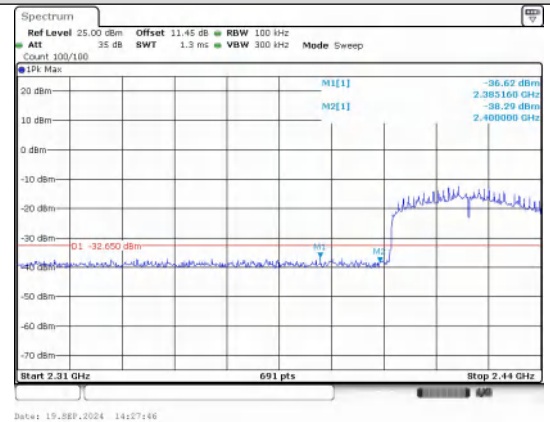
Out Of Band Emission
IEEE 802.11ax_Channel 11_20MHz_Antenna 0_RU&Index
SU



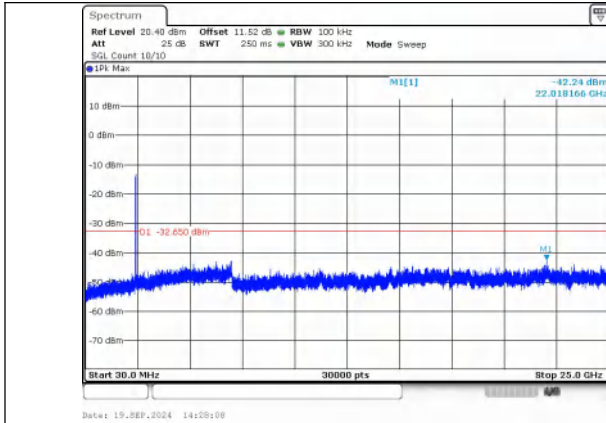
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IEEE 802.11ax_Channel 11_20MHz_Antenna 0_RU&Index
SU



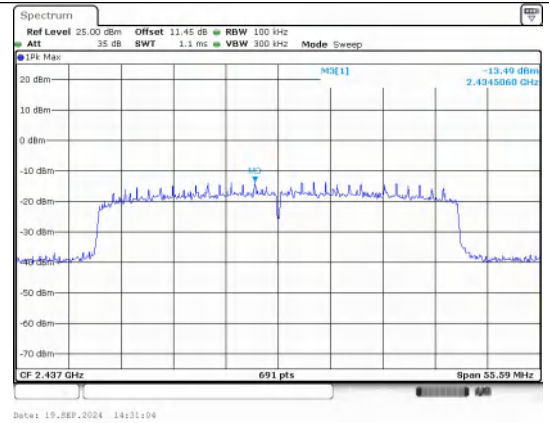
In-Band Reference Level
IEEE 802.11ax_Channel 3_40MHz_Antenna 0_RU&Index
SU



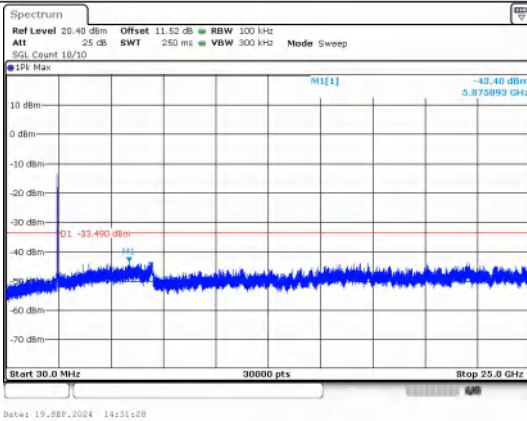
Out Of Band Emission
IEEE 802.11ax_Channel 3_40MHz_Antenna 0_RU&Index
SU



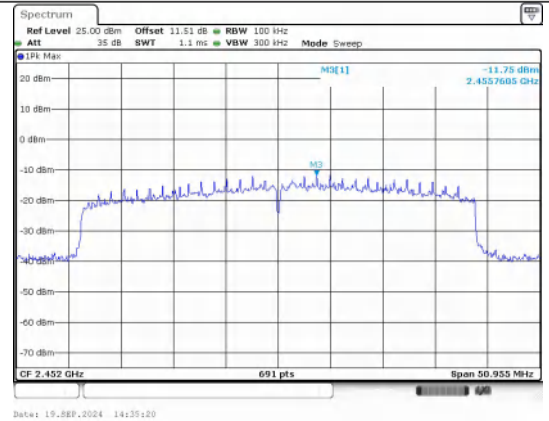
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IEEE 802.11ax_Channel 3_40MHz_Antenna 0_RU&Index SU



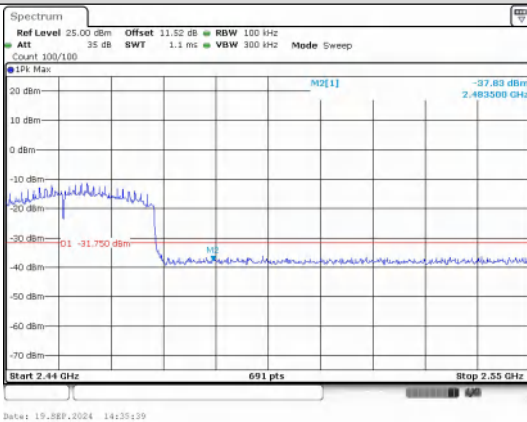
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IEEE 802.11ax_Channel 6_40MHz_Antenna 0_RU&Index SU



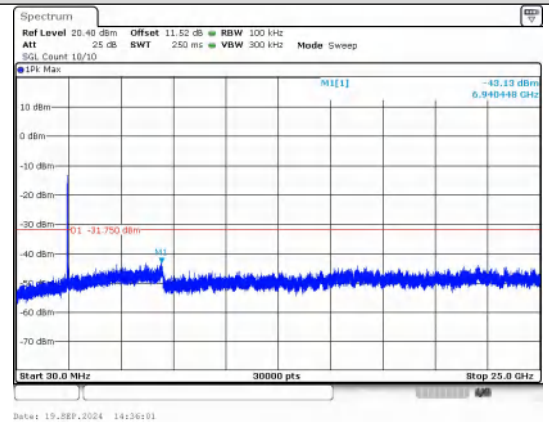
30.0 MHz - 25000.0 MHz
IEEE 802.11ax_Channel 6_40MHz_Antenna 0_RU&Index SU



In-Band Reference Level
IEEE 802.11ax_Channel 9_40MHz_Antenna 0_RU&Index SU



Out Of Band Emission
IEEE 802.11ax_Channel 9_40MHz_Antenna 0_RU&Index SU



30.0 MHz - 25000.0 MHz
IEEE 802.11ax_Channel 9_40MHz_Antenna 0_RU&Index SU