

Appendix C

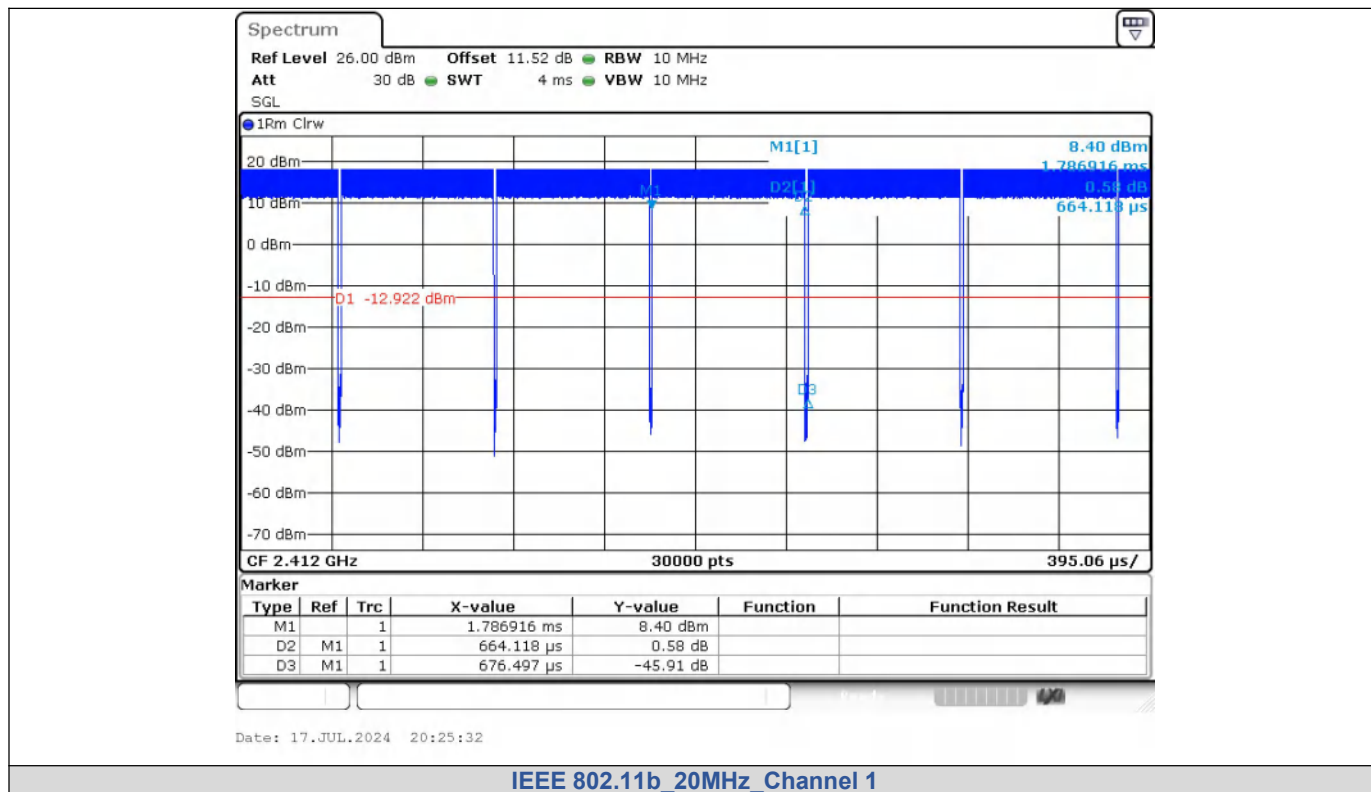
Report No.:	CISRR24070905403
FCC ID:	2BHK3-MRX1
Product Name:	MR Headset
Model No.:	MRX1
Test Engineer:	Lucas Huang
Supervised by:	Rory Huang

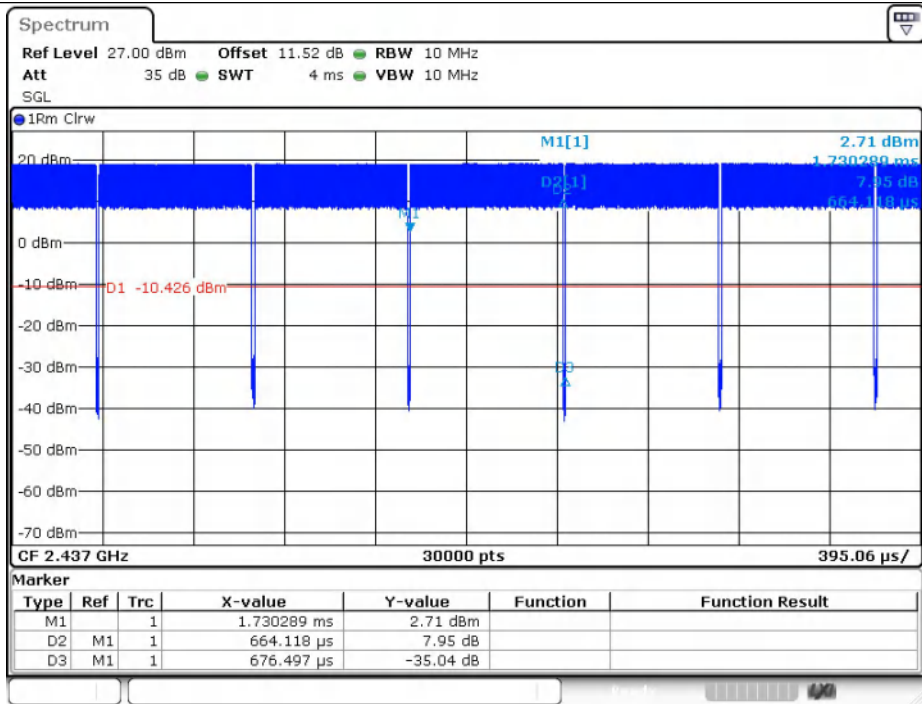
Duty Cycle

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	0.664	0.676	98.17	0.9817	0.0802	1.51
		6			0.664	0.676	98.17	0.9817	0.0802	1.51
		11			0.664	0.676	98.15	0.9815	0.0811	1.51
1		2.100			2.113	99.38	0.9938	0.027	0.48	
6		2.100			2.113	99.38	0.9938	0.027	0.48	
11		2.100			2.113	99.38	0.9938	0.027	0.48	
IEEE 802.11n_20	MCS 0	1	5.436		5.445	99.83	0.9983	0.0074	0.18	
		6	5.436		5.445	99.83	0.9983	0.0074	0.18	
		11	5.438		5.447	99.83	0.9983	0.0074	0.18	
3		5.436	5.445		99.83	0.9983	0.0074	0.18		
6		5.436	5.445		99.83	0.9983	0.0074	0.18		
9		5.438	5.447		99.83	0.9983	0.0074	0.18		
IEEE 802.11ax_20		SU	1		5.454	5.463	99.84	0.9984	0.007	0.18
			6		5.454	5.463	99.84	0.9984	0.007	0.18
			11		5.454	5.463	99.84	0.9984	0.007	0.18
3			5.452		5.461	99.84	0.9984	0.007	0.18	
6			5.454		5.463	99.84	0.9984	0.007	0.18	
9			5.454		5.463	99.84	0.9984	0.007	0.18	

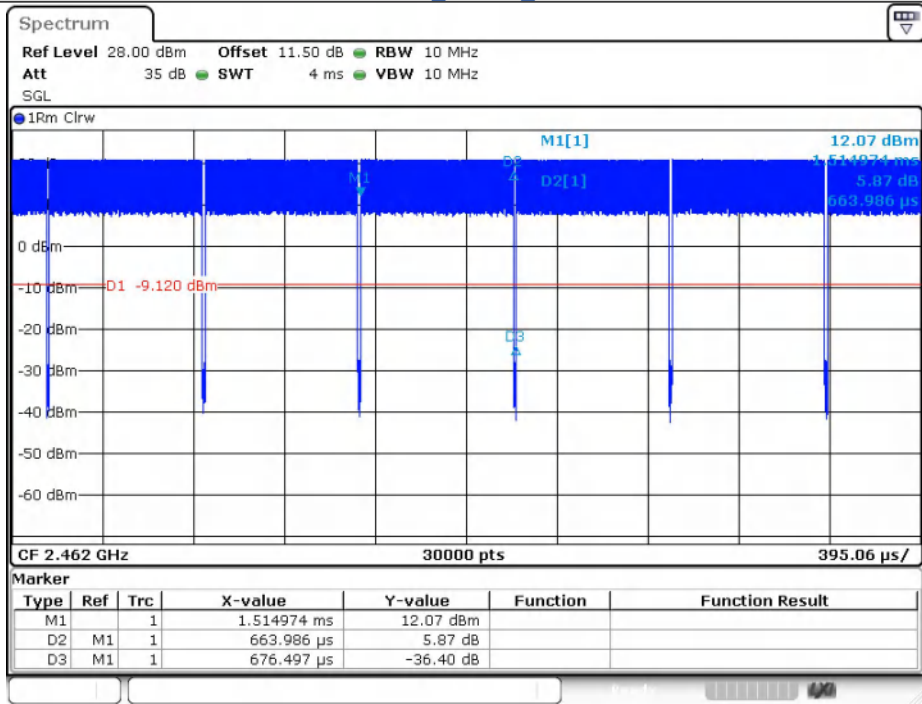
Test Graphs





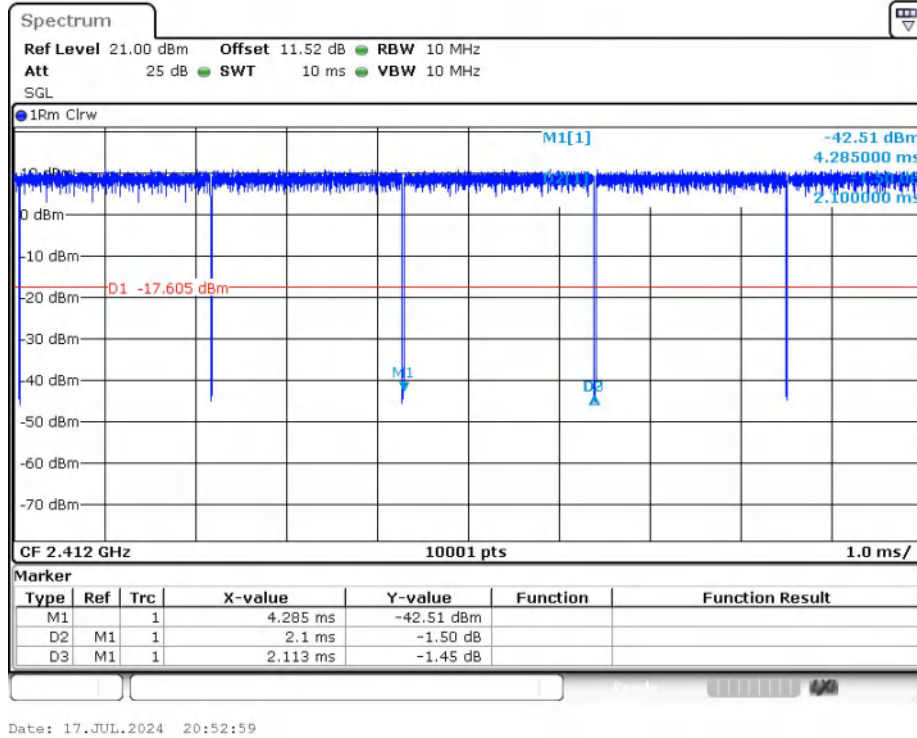
Date: 17.JUL.2024 20:33:09

IEEE 802.11b_20MHz_Channel 6

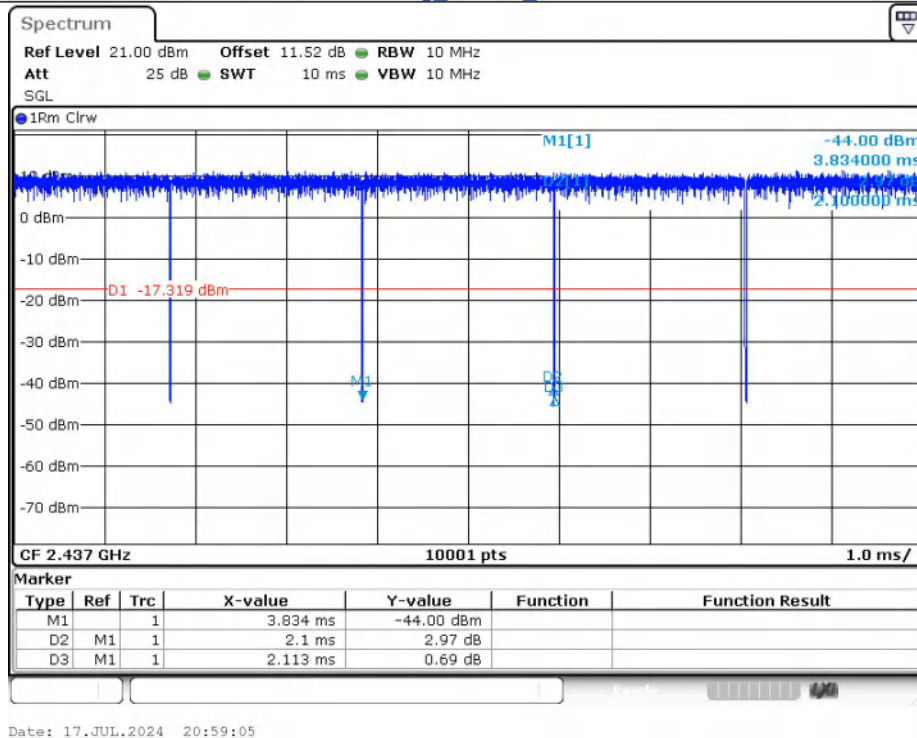


Date: 17.JUL.2024 20:36:04

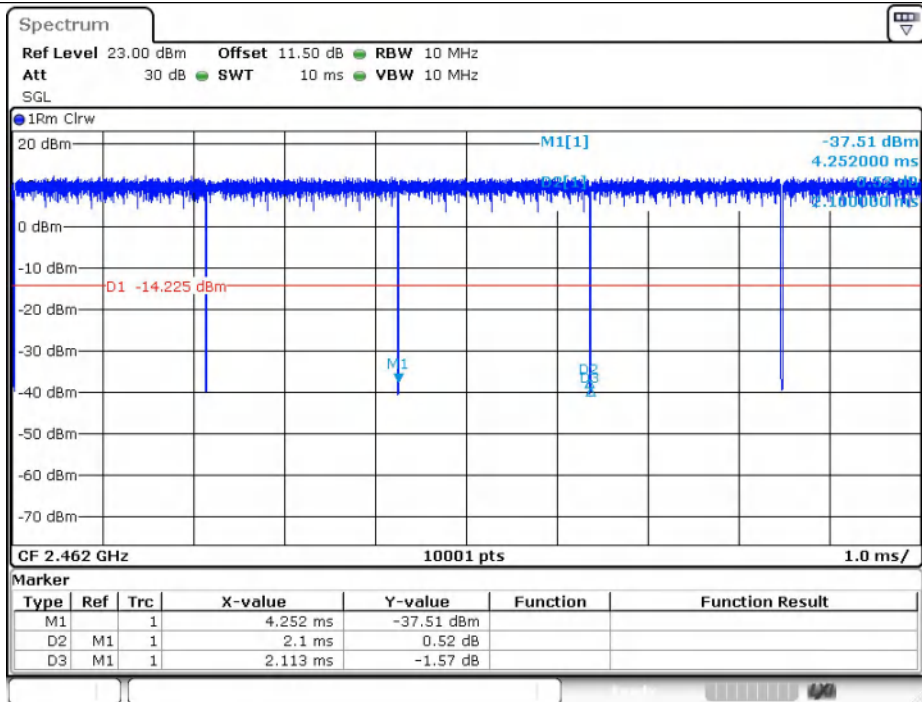
IEEE 802.11b_20MHz_Channel 11



IEEE 802.11g_20MHz_Channel 1

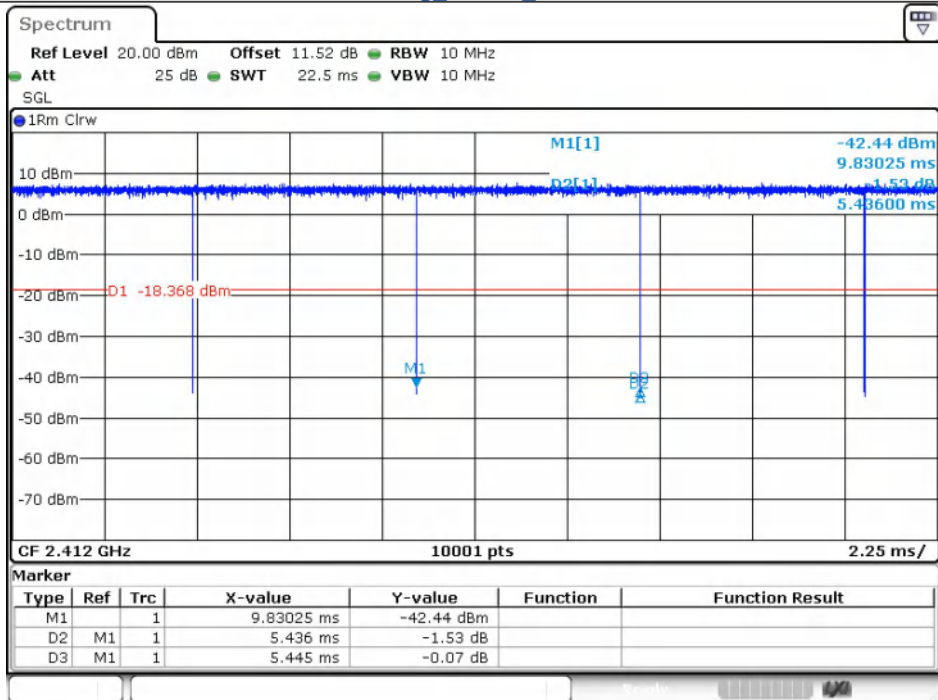


IEEE 802.11g_20MHz_Channel 6



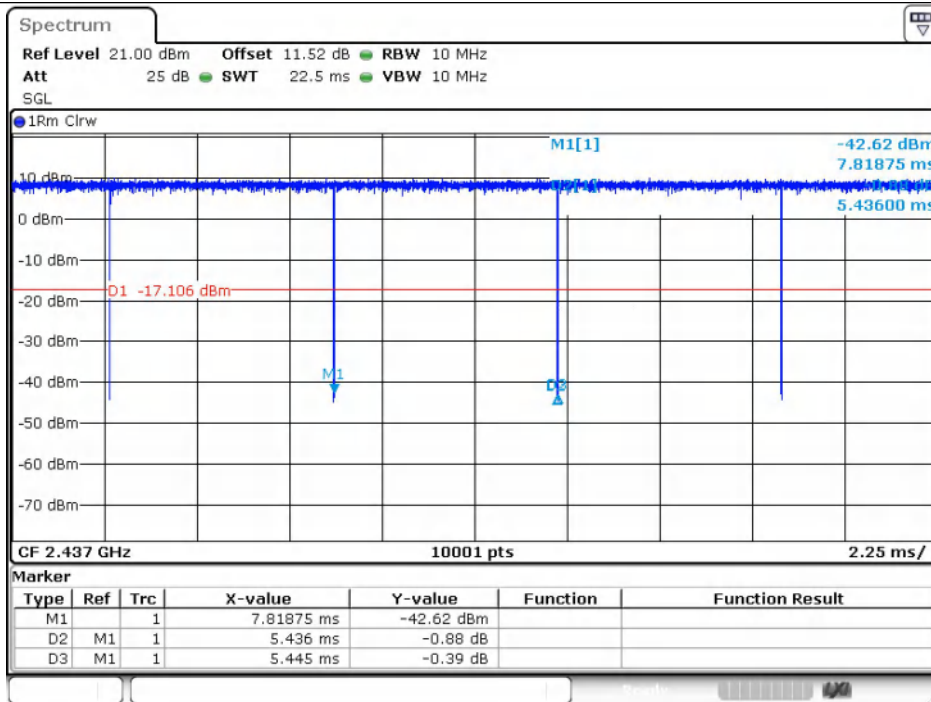
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IEEE 802.11g_20MHz_Channel 11



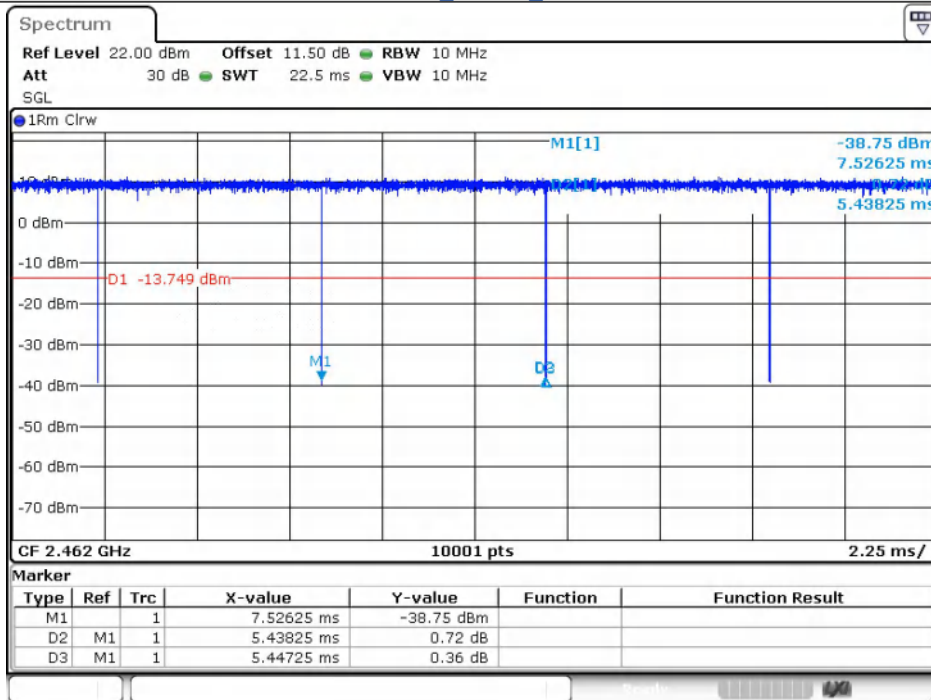
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IEEE 802.11n_20MHz_Channel 1



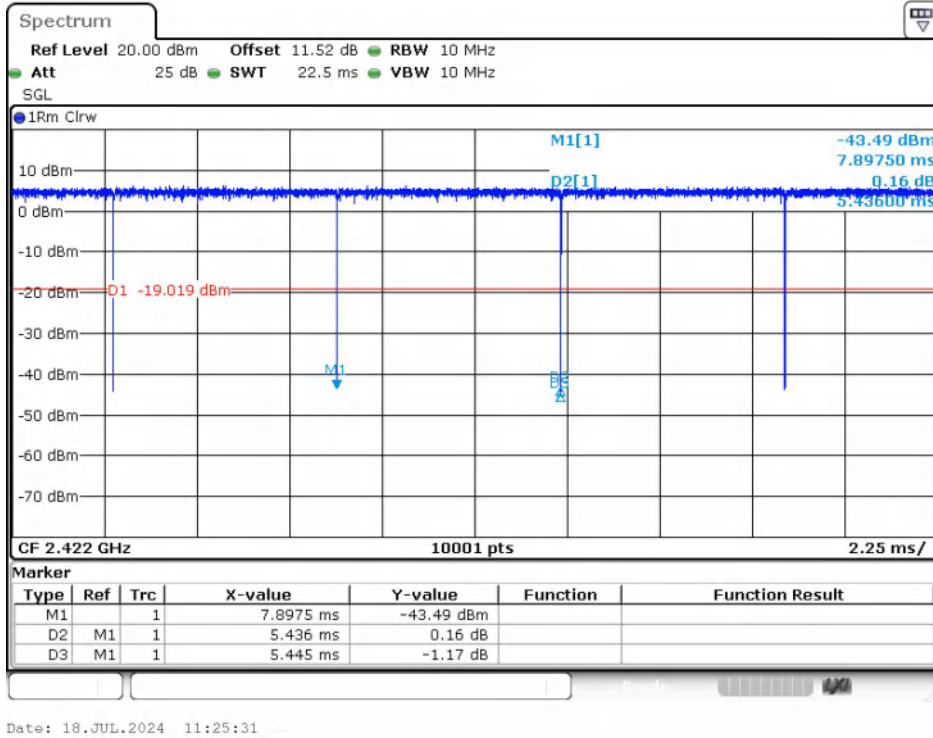
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IEEE 802.11n_20MHz_Channel 6

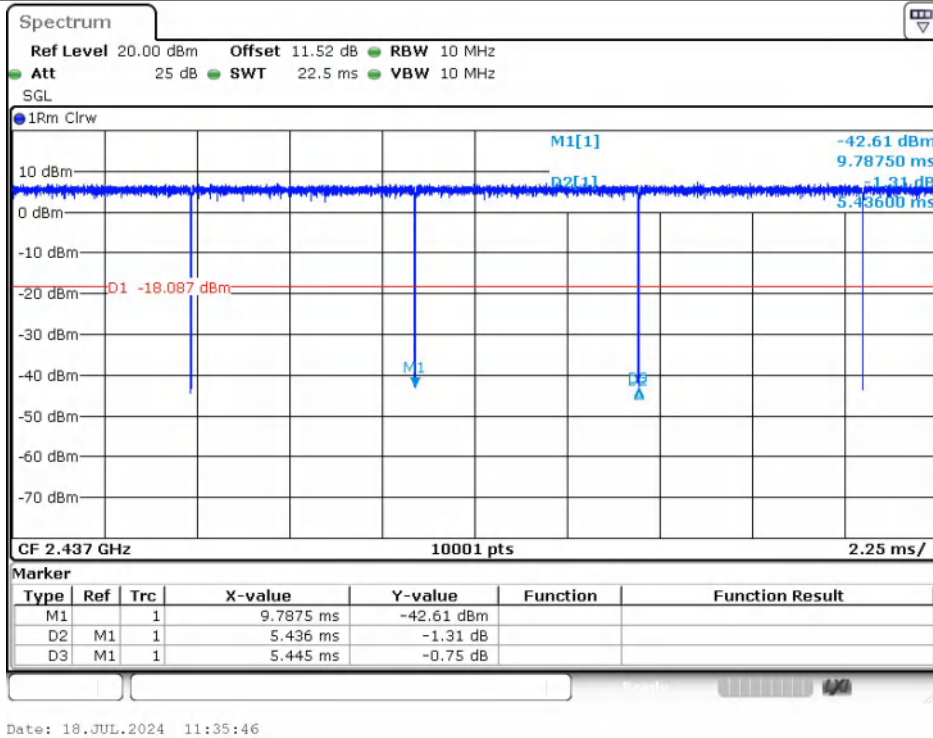


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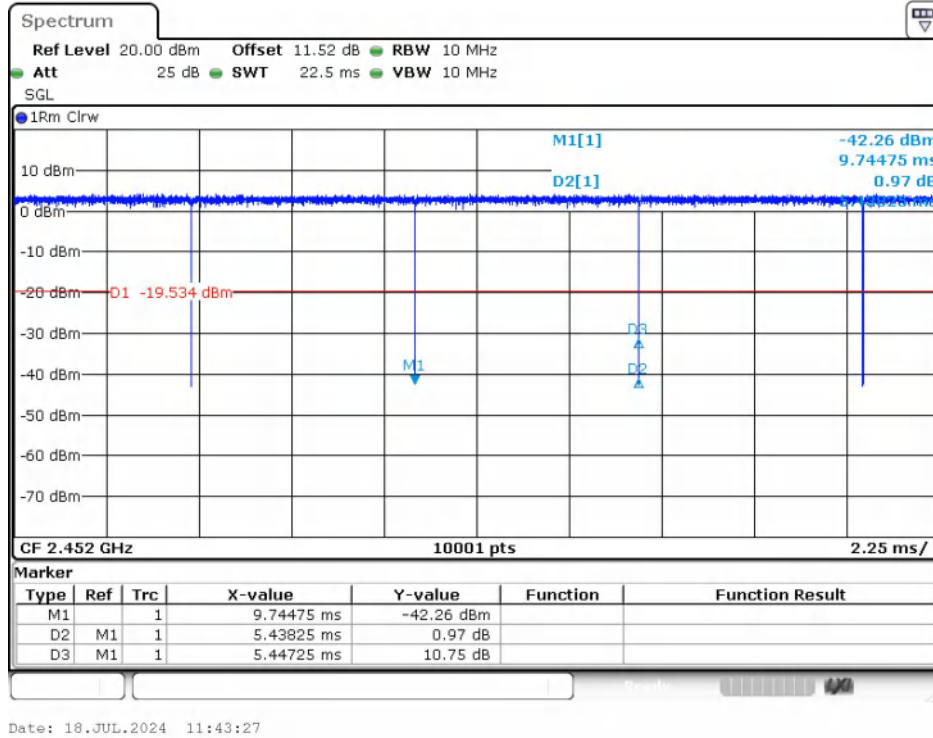
IEEE 802.11n_20MHz_Channel 11



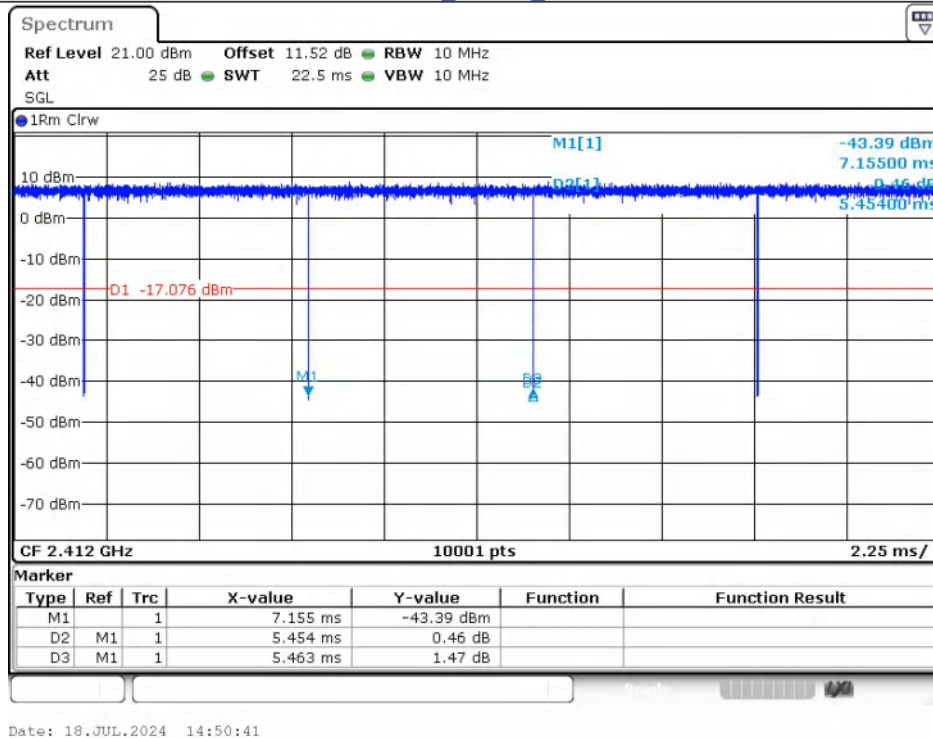
IEEE 802.11n_40MHz_Channel 3



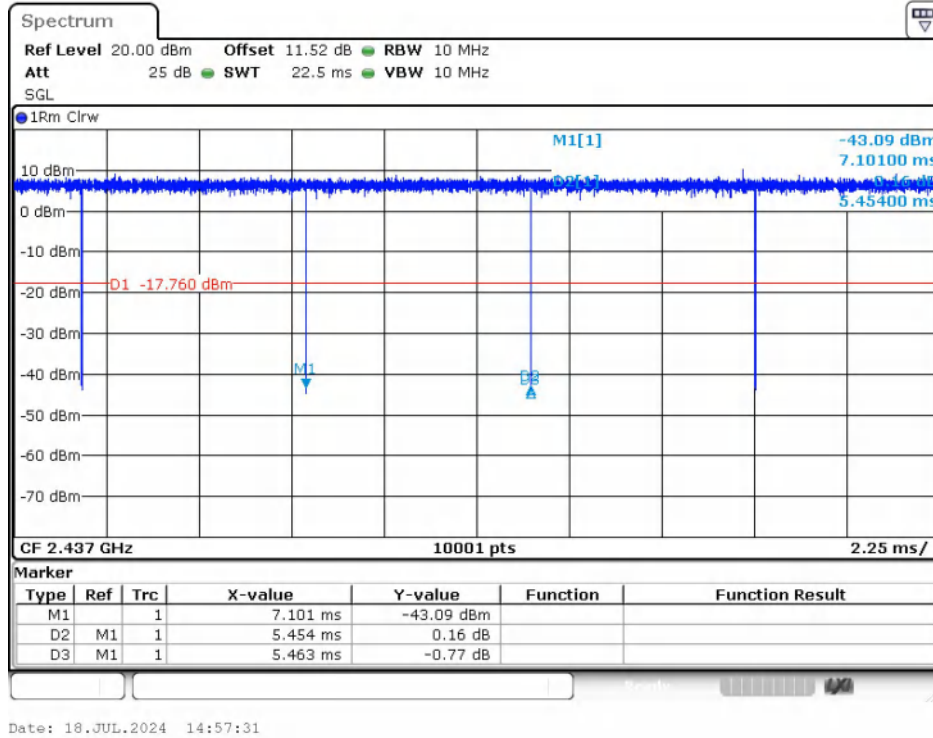
IEEE 802.11n_40MHz_Channel 6



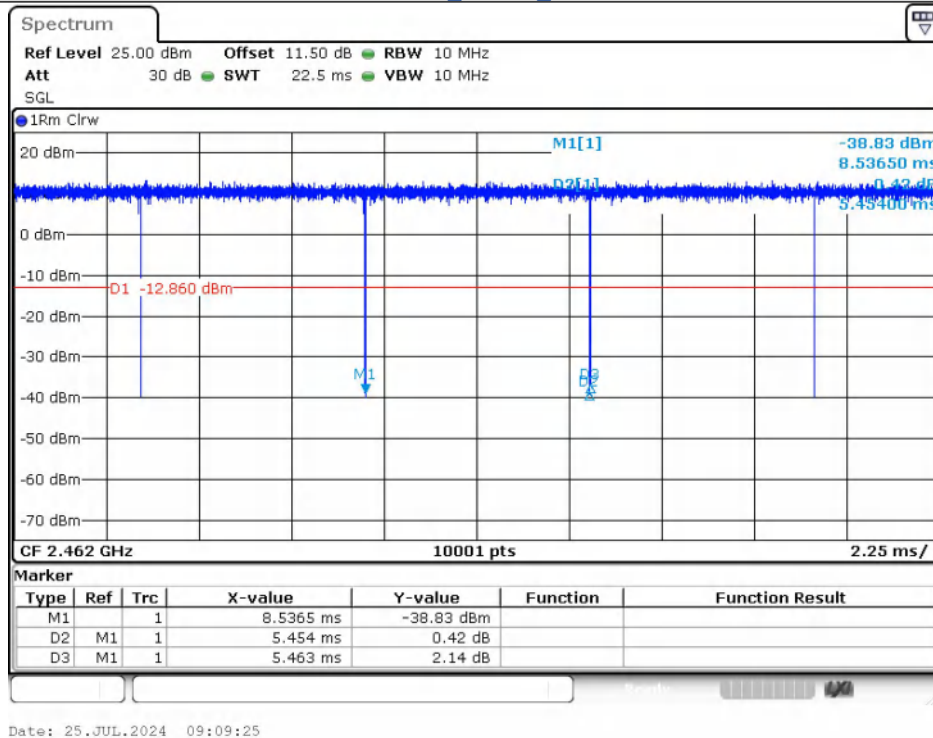
IEEE 802.11n_40MHz_Channel 9



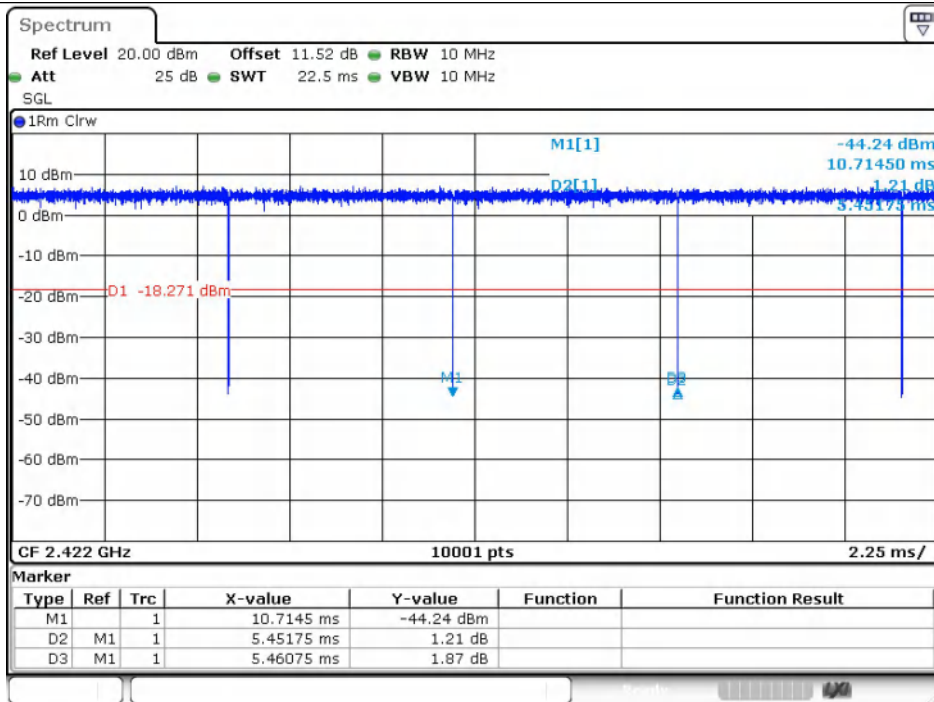
IEEE 802.11ax_20MHz_Channel 1



IEEE 802.11ax_20MHz_Channel 6

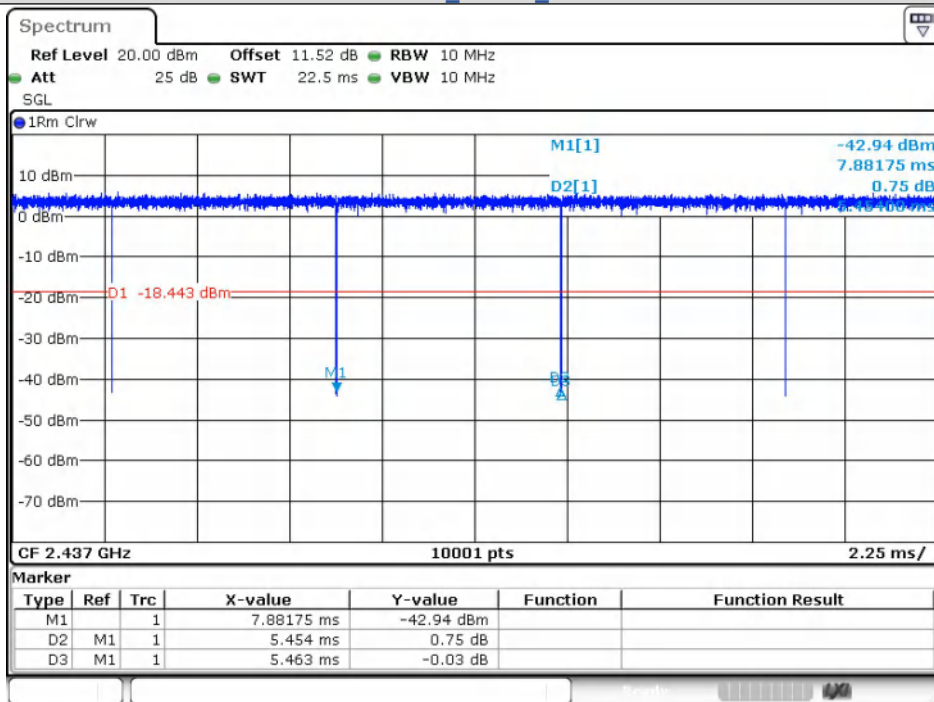


IEEE 802.11ax_20MHz_Channel 11



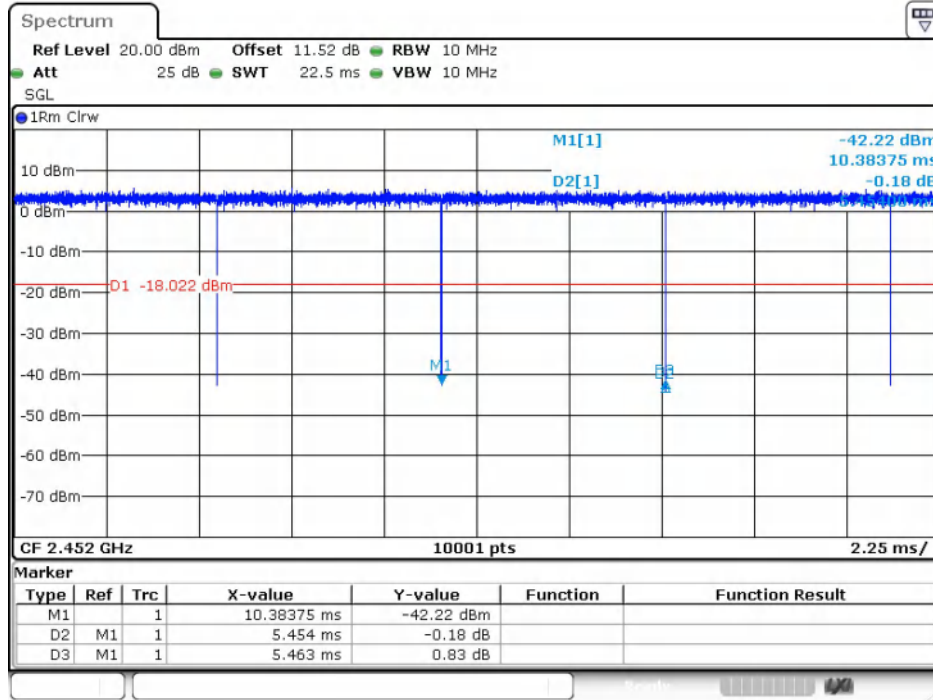
Date: 18.JUL.2024 15:06:47

IEEE 802.11ax_40MHz_Channel 3



Date: 18.JUL.2024 15:10:47

IEEE 802.11ax_40MHz_Channel 6



Date: 18.JUL.2024 15:14:35

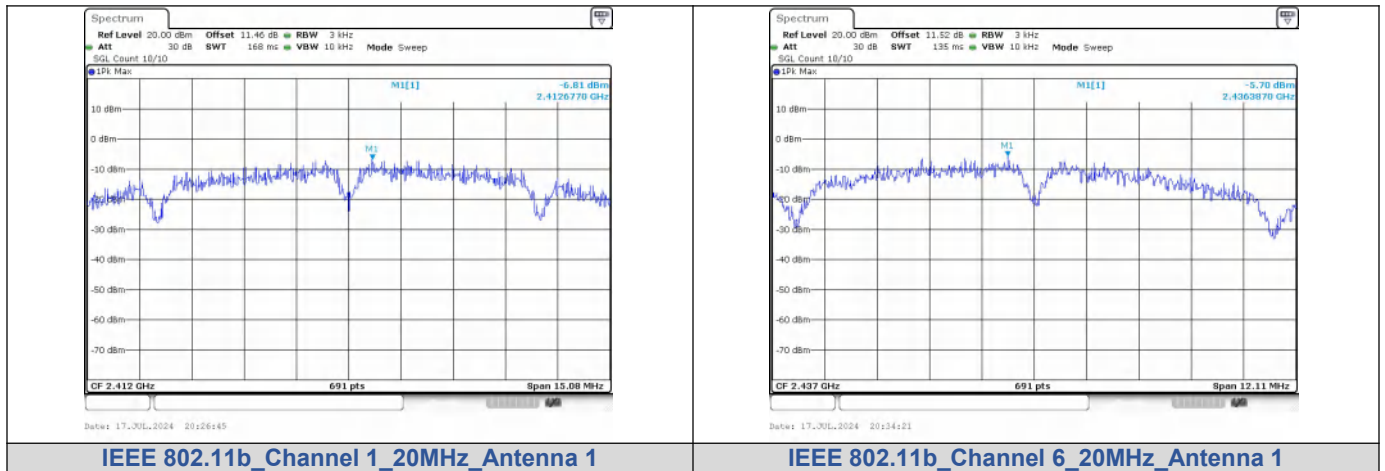
IEEE 802.11ax_40MHz_Channel 9

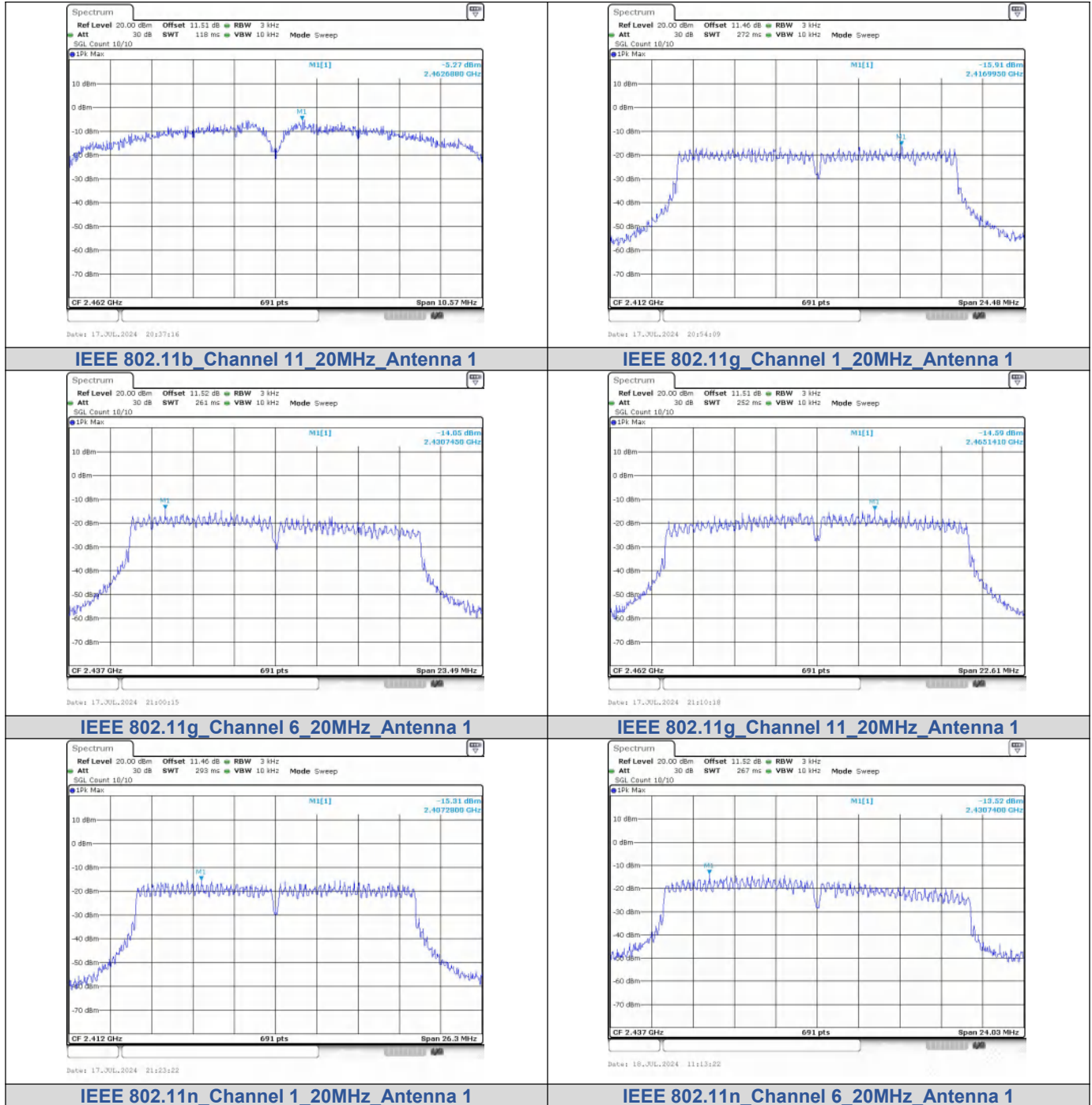
Power Spectral Density

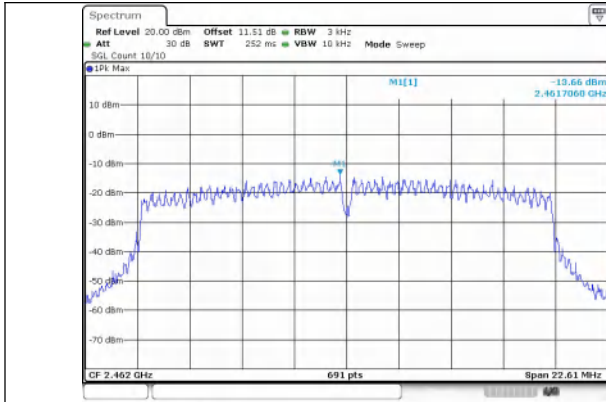
Test Result

Mode	Channel	RU & Index	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
IEEE 802.11b	1	N/A	-6.815	≤8	PASS
	6		-5.698		PASS
	11		-5.270		PASS
IEEE 802.11g	1		-15.911		PASS
	6		-14.047		PASS
	11		-14.590		PASS
IEEE 802.11n_20	1		-15.307		PASS
	6		-13.523		PASS
	11		-13.660		PASS
IEEE 802.11n_40	3		-17.042		PASS
	6		-17.317		PASS
	9		-15.130		PASS
IEEE 802.11ax_20	1	SU	-17.601		PASS
	6		-16.315		PASS
	11		-10.370		PASS
IEEE 802.11ax_40	3		-18.000		PASS
	6		-18.992		PASS
	9		-17.441		PASS

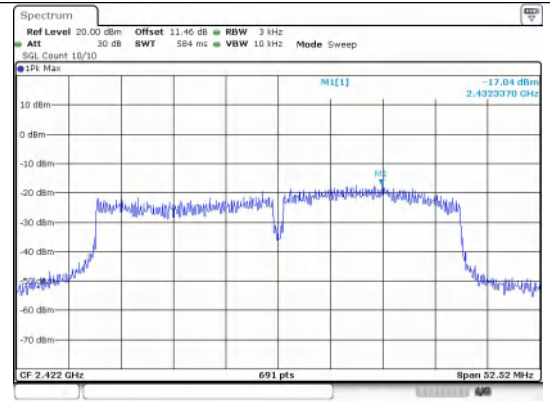
Test Graphs



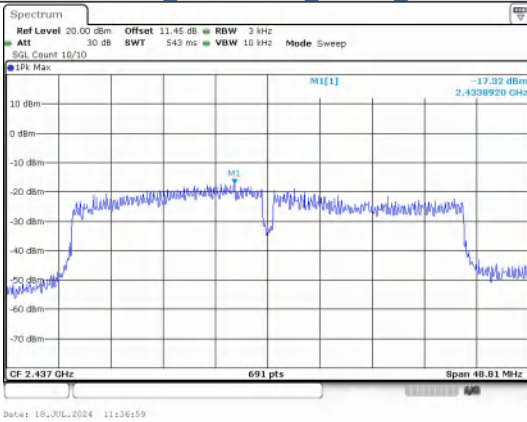




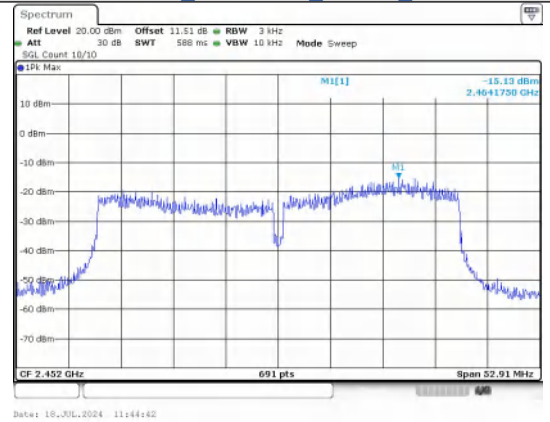
IEEE 802.11n_Channel 11_20MHz_Antenna 1



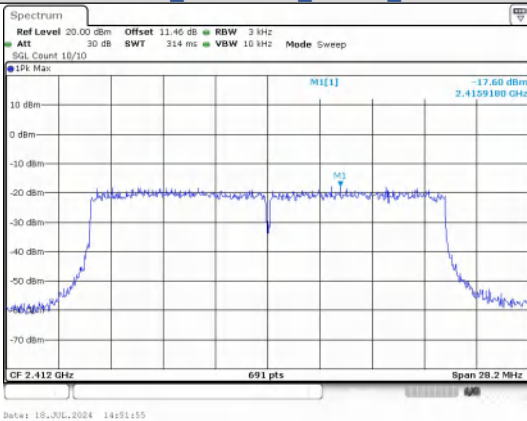
IEEE 802.11n_Channel 3_40MHz_Antenna 1



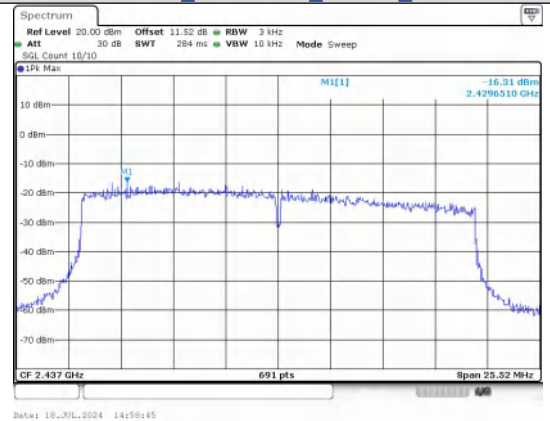
IEEE 802.11n_Channel 6_40MHz_Antenna 1



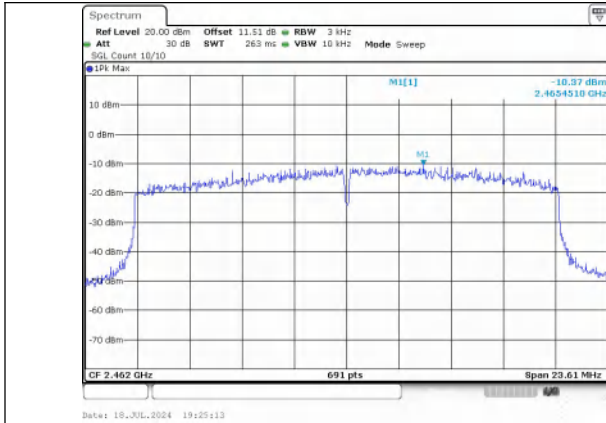
IEEE 802.11n_Channel 9_40MHz_Antenna 1



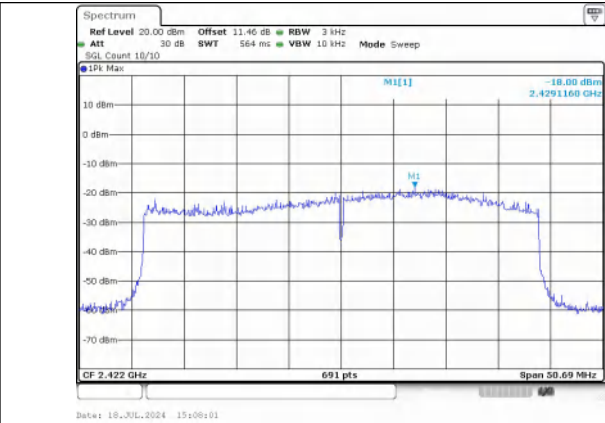
IEEE 802.11ax_Channel 1_20MHz_Antenna 1_RU&Index
SU



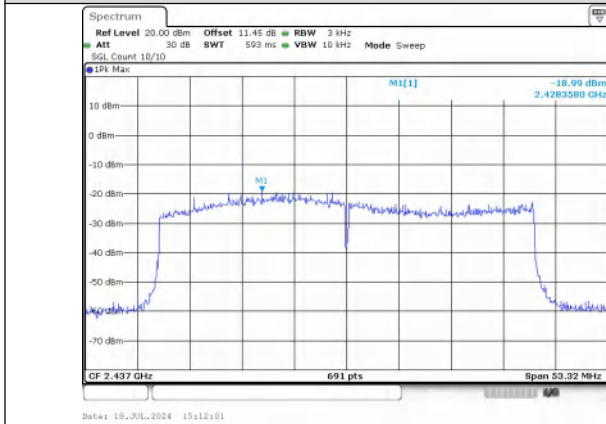
IEEE 802.11ax_Channel 6_20MHz_Antenna 1_RU&Index
SU



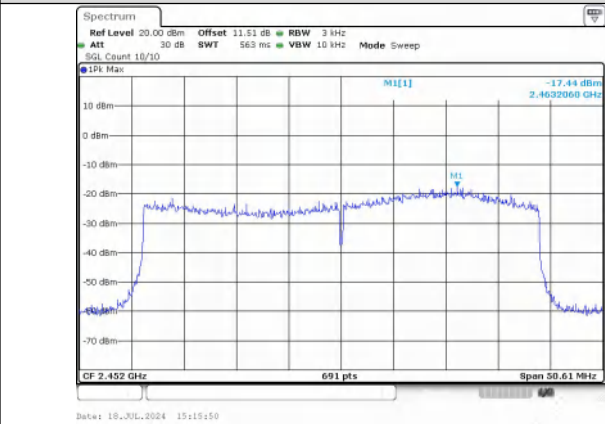
IEEE 802.11ax_Channel 11_20MHz_Antenna 1_RU&Index SU



IEEE 802.11ax_Channel 3_40MHz_Antenna 1_RU&Index SU



IEEE 802.11ax_Channel 6_40MHz_Antenna 1_RU&Index SU



IEEE 802.11ax_Channel 9_40MHz_Antenna 1_RU&Index SU

Conducted Peak Output Power

Test Result

Conducted Output Power

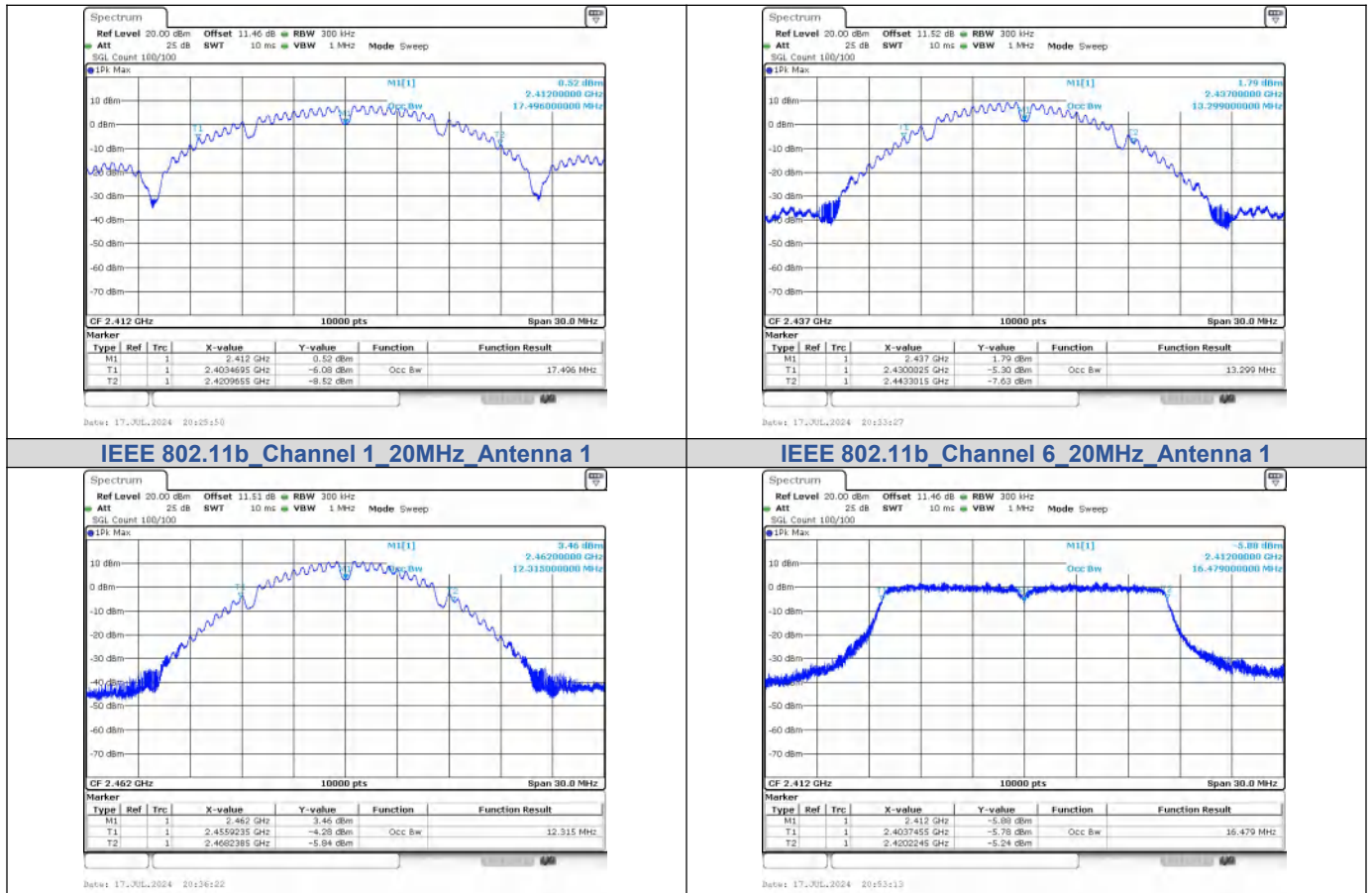
Mode	Channel	RU & Index	Ant. 0 (dBm)	Total (dBm)	Limit (dBm)	Result
IEEE 802.11b	1	N/A	19.53	N/A	≤30	PASS
	6		19.54	N/A	≤30	PASS
	11		20.86	N/A	≤30	PASS
IEEE 802.11g	1		18.50	N/A	≤30	PASS
	6		18.29	N/A	≤30	PASS
	11		18.92	N/A	≤30	PASS
IEEE 802.11n_20	1		18.58	N/A	≤30	PASS
	6		18.35	N/A	≤30	PASS
	11		18.63	N/A	≤30	PASS
IEEE 802.11n_40	3		18.22	N/A	≤30	PASS
	6		17.83	N/A	≤30	PASS
	9		18.46	N/A	≤30	PASS
IEEE 802.11ax_20	1	SU	18.92	N/A	≤30	PASS
	6		18.12	N/A	≤30	PASS
	11		18.98	N/A	≤30	PASS
IEEE 802.11ax_40	3		18.54	N/A	≤30	PASS
	6		17.56	N/A	≤30	PASS
	9		18.21	N/A	≤30	PASS

99% Bandwidth

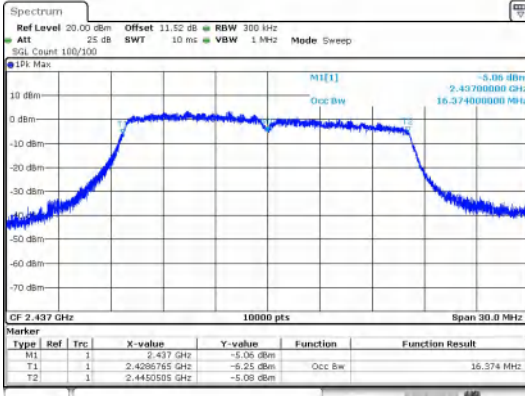
Test Result

Mode	Channel	RU & Index	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11b	1	N/A	2412	17.496
	6		2437	13.299
	11		2462	12.315
IEEE 802.11g	1		2412	16.479
	6		2437	16.374
	11		2462	16.209
IEEE 802.11n_20	1		2412	17.643
	6		2437	17.460
	11		2462	17.307
IEEE 802.11n_40	3		2422	35.976
	6		2437	35.976
	9		2452	36.252
IEEE 802.11ax_20	1	SU	2412	18.972
	6		2437	18.825
	11		2462	18.645
IEEE 802.11ax_40	3		2422	37.356
	6		2437	37.596
	9		2452	37.692

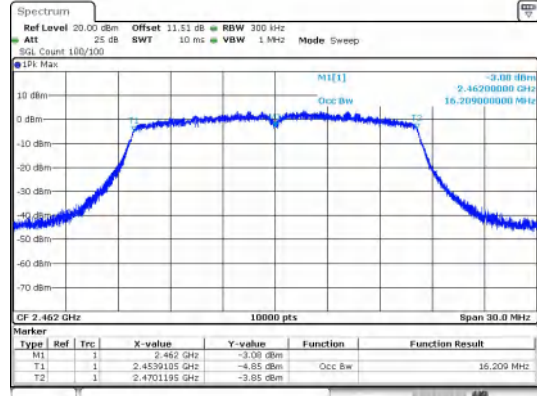
Test Graphs



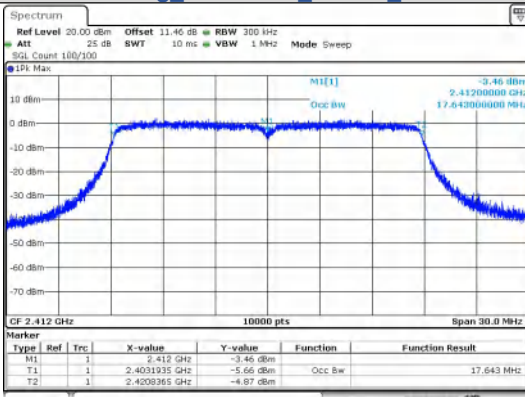
IEEE 802.11b Channel 11_20MHz_Antenna 1



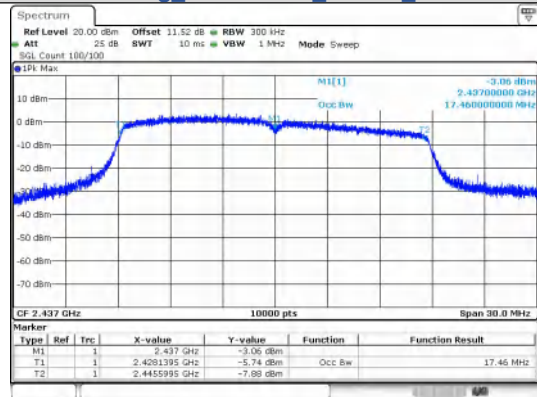
IEEE 802.11g Channel 1_20MHz_Antenna 1



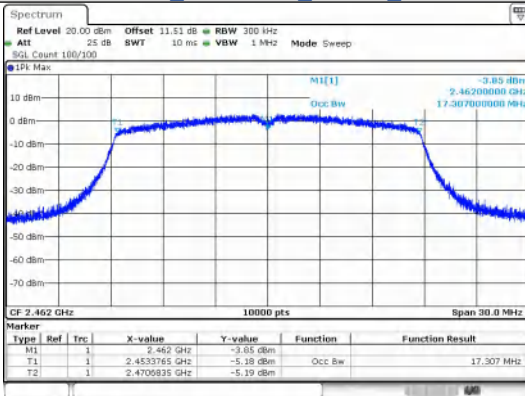
IEEE 802.11g Channel 6_20MHz_Antenna 1



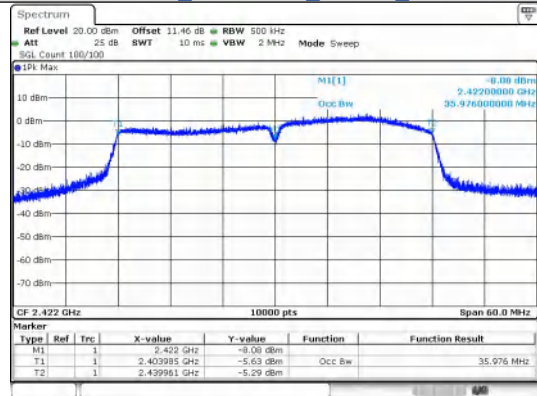
IEEE 802.11g Channel 11_20MHz_Antenna 1



IEEE 802.11n Channel 1_20MHz_Antenna 1

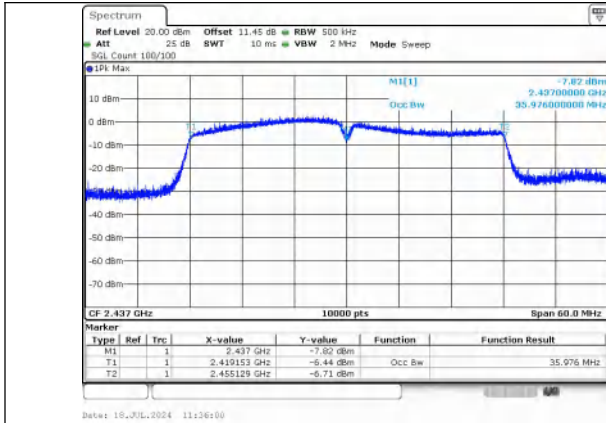


IEEE 802.11n Channel 6_20MHz_Antenna 1

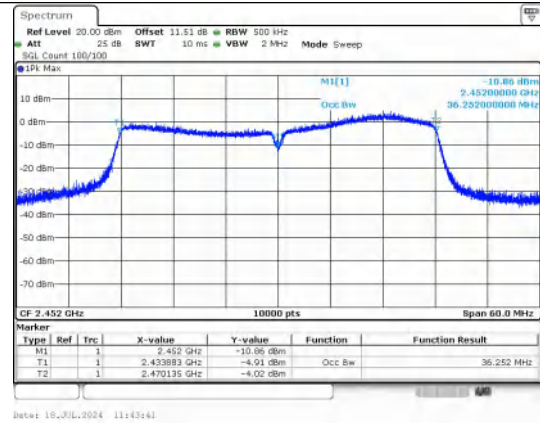


IEEE 802.11n Channel 11_20MHz_Antenna 1

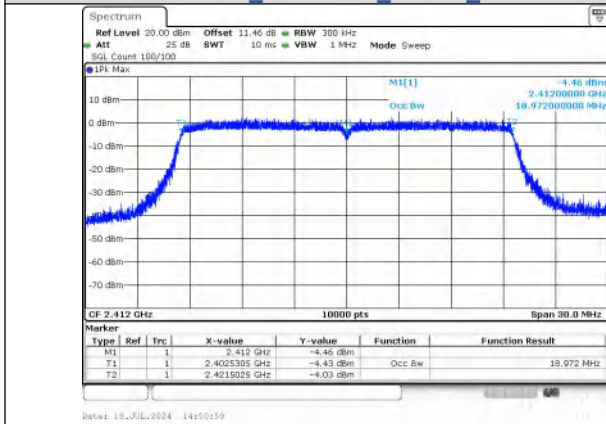
IEEE 802.11n Channel 3_40MHz_Antenna 1



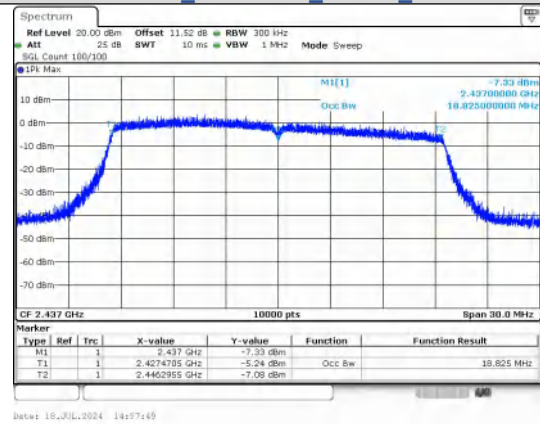
IEEE 802.11n_Channel 6_40MHz_Antenna 1



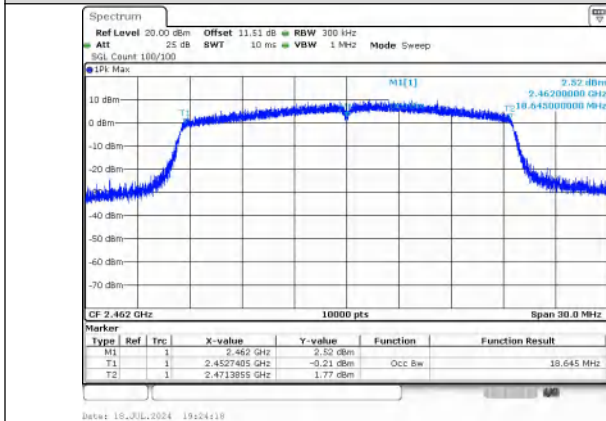
IEEE 802.11n_Channel 9_40MHz_Antenna 1



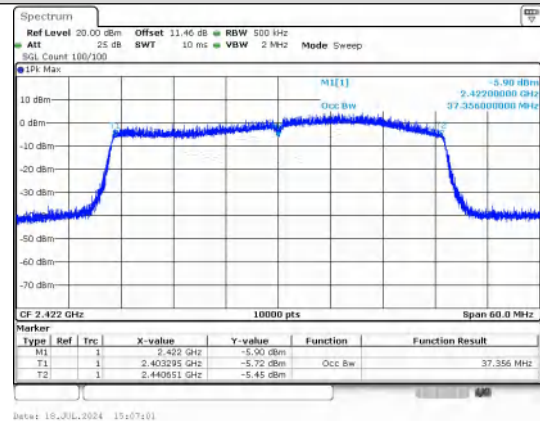
IEEE 802.11ax_Channel 1_20MHz_Antenna 1_RU&Index SU



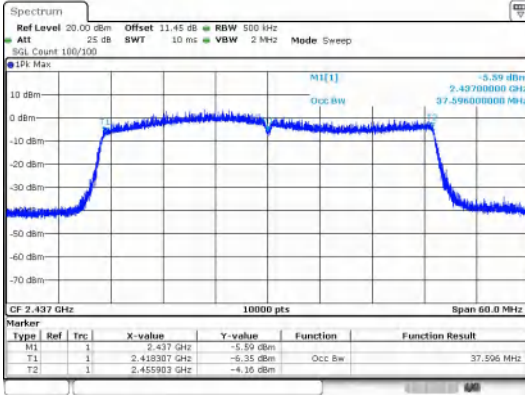
IEEE 802.11ax_Channel 9_20MHz_Antenna 1_RU&Index SU



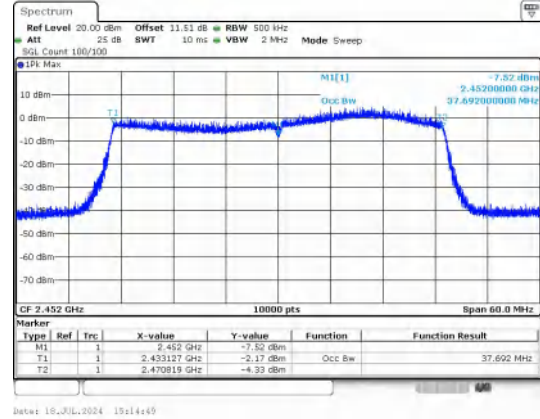
IEEE 802.11ax_Channel 11_20MHz_Antenna 1_RU&Index SU



IEEE 802.11ax_Channel 3_40MHz_Antenna 1_RU&Index SU



IEEE 802.11ax_Channel 6_40MHz_Antenna 1_RU&Index
SU



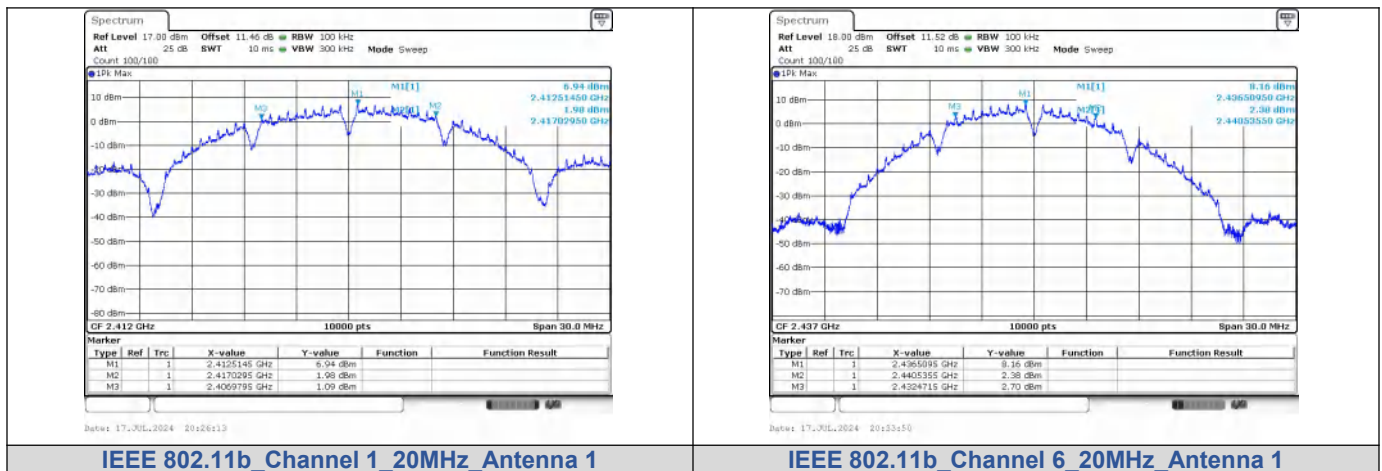
IEEE 802.11ax_Channel 9_40MHz_Antenna 1_RU&Index
SU

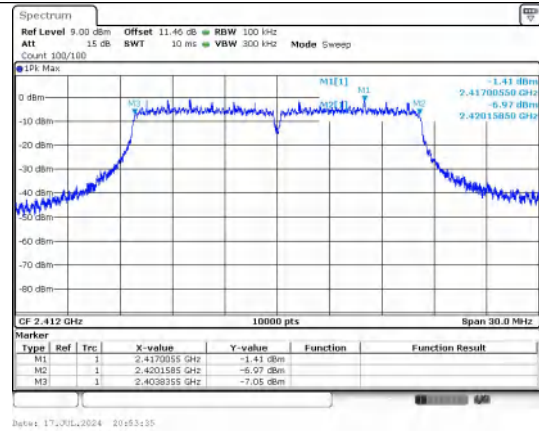
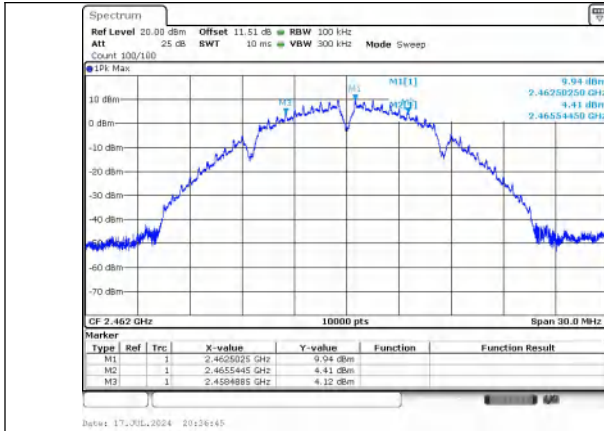
6dB Bandwidth

Test Result

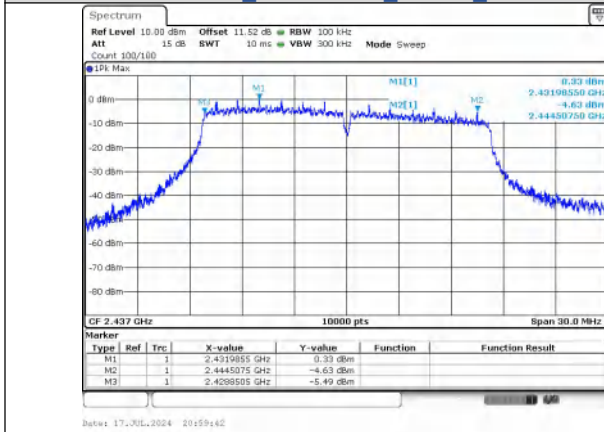
Mode	Channel	RU & Index	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11b	1	N/A	1	2412	10.05	≥0.5	PASS
	6			2437	8.070		PASS
	11			2462	7.050		PASS
IEEE 802.11g	1			2412	16.32		PASS
	6			2437	15.66		PASS
	11			2462	15.07		PASS
IEEE 802.11n_20	1			2412	17.53		PASS
	6			2437	16.02		PASS
	11			2462	15.07		PASS
IEEE 802.11n_40	3	2422		35.01	PASS		
	6	2437		32.54	PASS		
	9	2452		35.27	PASS		
IEEE 802.11ax_20	1	SU		2412	18.80		PASS
	6			2437	17.01		PASS
	11			2462	15.74		PASS
IEEE 802.11ax_40	3			2422	33.79		PASS
	6			2437	35.55		PASS
	9			2452	33.74		PASS

Test Graphs

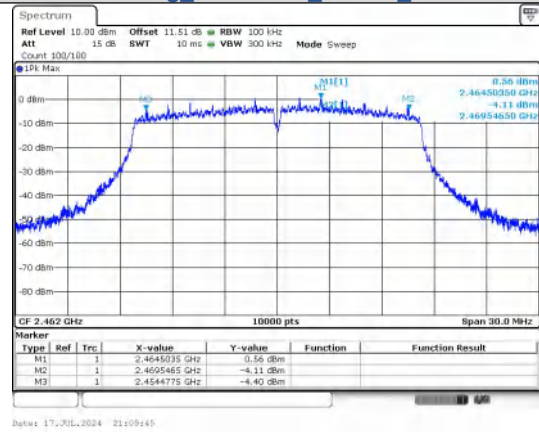




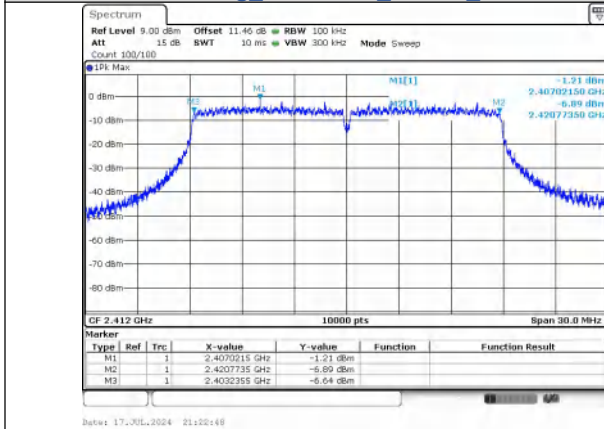
IEEE 802.11b Channel 11_20MHz_Antenna 1



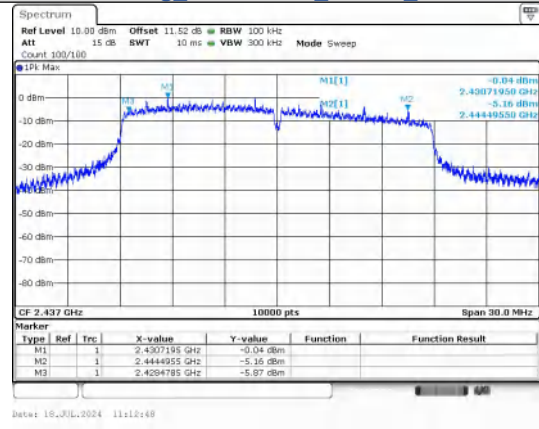
IEEE 802.11g Channel 1_20MHz_Antenna 1



IEEE 802.11g Channel 6_20MHz_Antenna 1

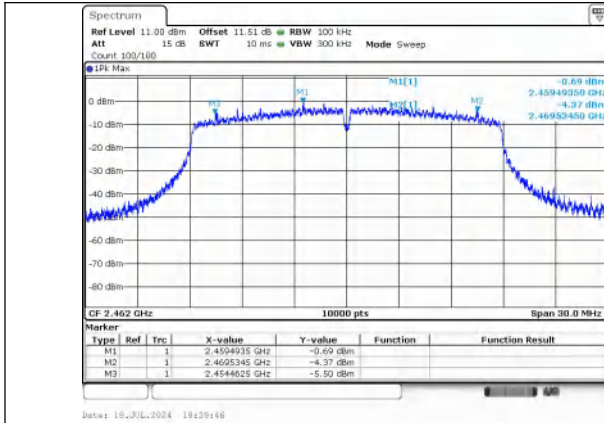


IEEE 802.11g Channel 11_20MHz_Antenna 1

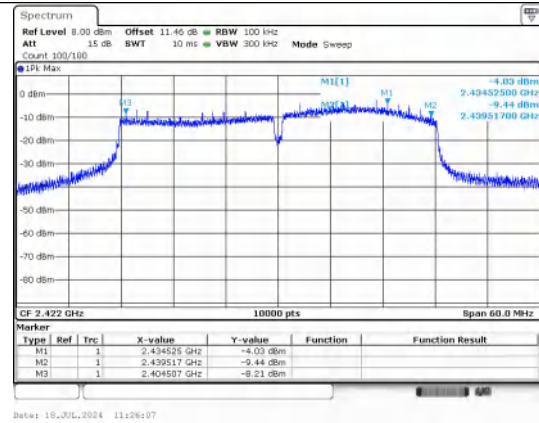


IEEE 802.11n Channel 1_20MHz_Antenna 1

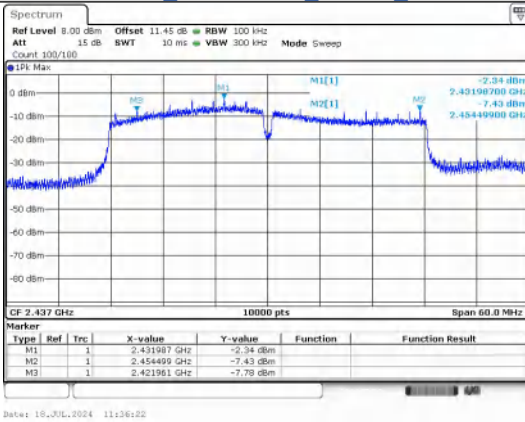
IEEE 802.11n Channel 6_20MHz_Antenna 1



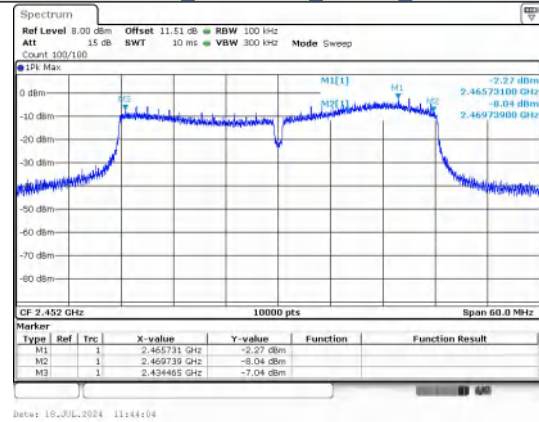
IEEE 802.11n_Channel 11_20MHz_Antenna 1



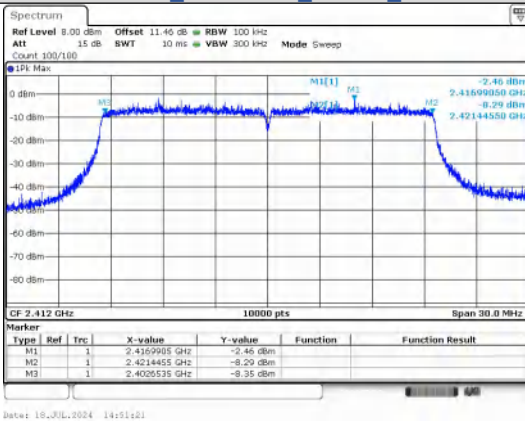
IEEE 802.11n_Channel 3_40MHz_Antenna 1



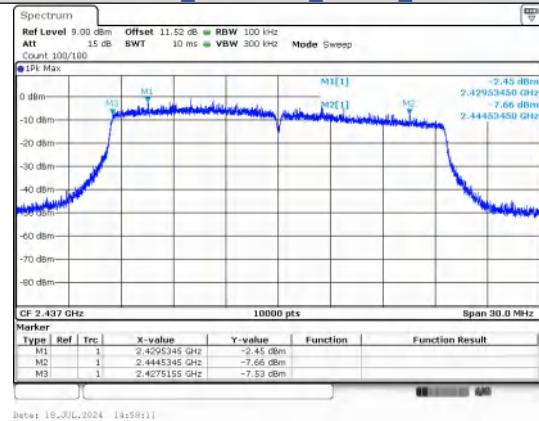
IEEE 802.11n_Channel 6_40MHz_Antenna 1



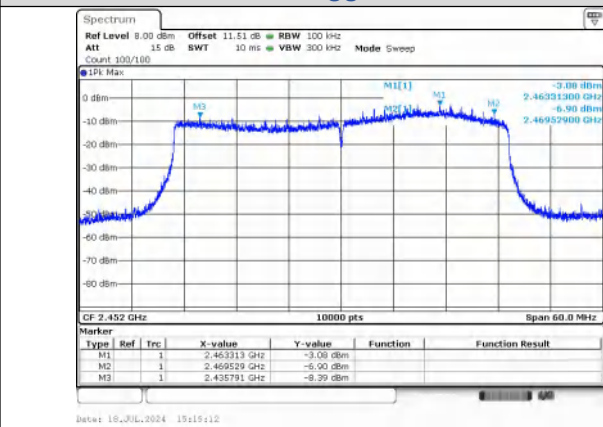
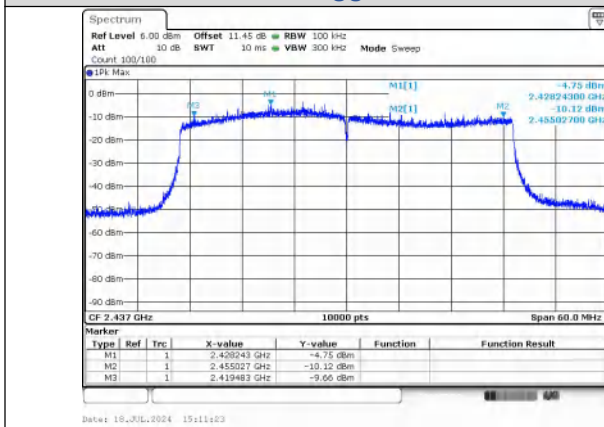
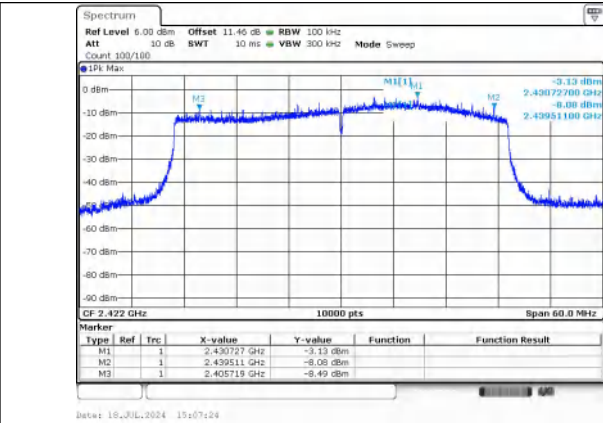
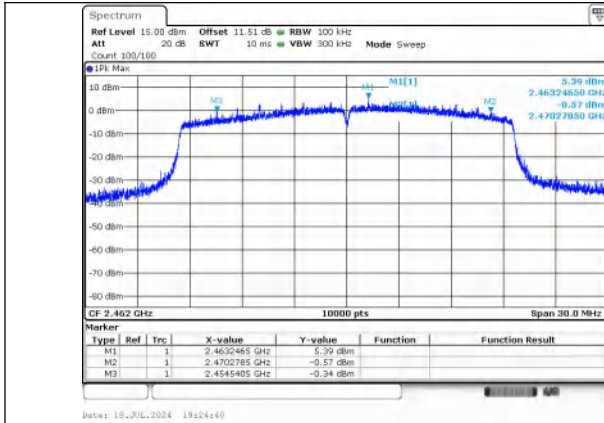
IEEE 802.11n_Channel 9_40MHz_Antenna 1



IEEE 802.11ax_Channel 1_20MHz_Antenna 1_RU&Index SU



IEEE 802.11ax_Channel 6_20MHz_Antenna 1_RU&Index SU

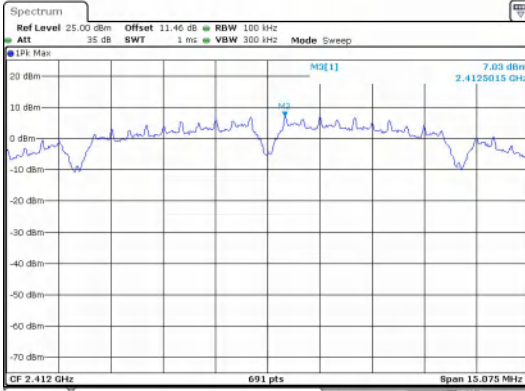


Conducted Out Of Band Emission

Test Result

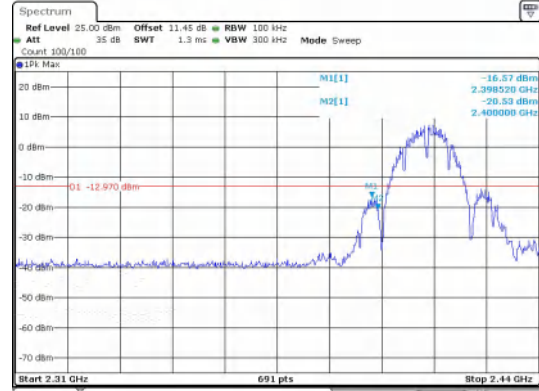
Mode	Channel	RU & Index	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result	
IEEE 802.11b	1	N/A	1	2398.52	-16.572	-12.97	-3.602	PASS	
				2400.00	-20.525	-12.97	-7.555	PASS	
	6			6898.80	-42.227	-12.97	-29.257	PASS	
				6927.96	-42.975	-11.93	-31.045	PASS	
				11	2483.50	-38.639	-9.95	-28.689	PASS
					6917.97	-42.868	-9.95	-32.918	PASS
IEEE 802.11g	1			2400.00	-36.069	-20.84	-15.229	PASS	
				17243.1	-43.514	-20.84	-22.674	PASS	
	6			6232.13	-43.562	-19.52	-24.042	PASS	
				2483.50	-37.980	-19.63	-18.350	PASS	
				11	6940.45	-42.272	-19.63	-22.642	PASS
					2398.70	-35.284	-20.63	-14.654	PASS
IEEE 802.11n_20	1			2400.00	-36.494	-20.63	-15.864	PASS	
				6943.80	-42.015	-20.63	-21.385	PASS	
	6			21980.7	-42.798	-20.12	-22.678	PASS	
				2483.50	-37.882	-17.62	-20.262	PASS	
				11	6957.09	-42.202	-17.62	-24.582	PASS
					2400.00	-31.926	-22.59	-9.336	PASS
IEEE 802.11n_40	3			6196.34	-43.300	-22.59	-20.710	PASS	
				22096.4	-43.030	-22.54	-20.490	PASS	
	6			2483.50	-35.821	-21.81	-14.011	PASS	
				6993.72	-42.212	-21.81	-20.402	PASS	
				9	2335.12	-36.528	-21.85	-14.678	PASS
					2400.00	-37.789	-21.85	-15.939	PASS
IEEE 802.11ax_20	1	SU	6915.50	-43.324	-21.85	-21.474	PASS		
			6188.85	-42.325	-20.95	-21.375	PASS		
	6		2483.50	-34.123	-15.3	-18.823	PASS		
			6986.23	-42.165	-15.3	-26.865	PASS		
			11	2322.51	-35.747	-22.92	-12.827	PASS	
				2400.00	-37.770	-22.92	-14.849	PASS	
IEEE 802.11ax_40	3		6283.70	-42.912	-22.92	-19.992	PASS		
			6934.62	-42.180	-24.35	-17.830	PASS		
	6		2483.50	-37.400	-22.6	-14.800	PASS		
			6985.39	-43.071	-22.6	-20.471	PASS		
			9						

Test Graphs



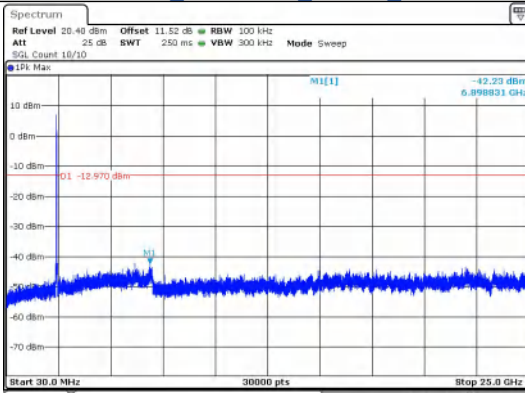
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In-Band Reference Level
IEEE 802.11b_Channel 1_20MHz_Antenna 1



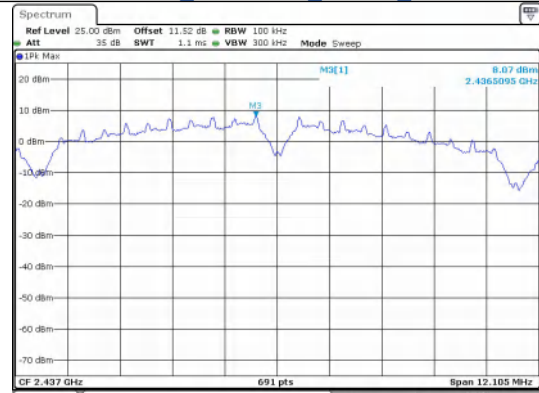
Date: 17-JUL-2024 20:27:18

Out Of Band Emission
IEEE 802.11b_Channel 1_20MHz_Antenna 1



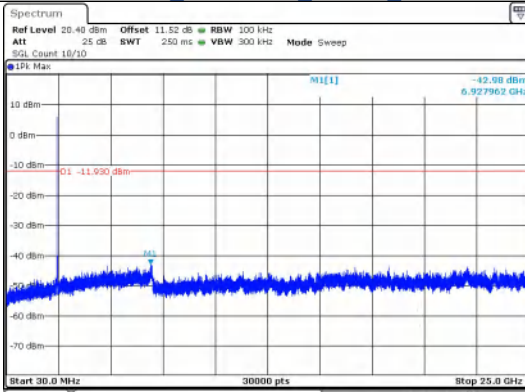
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30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 1_20MHz_Antenna 1



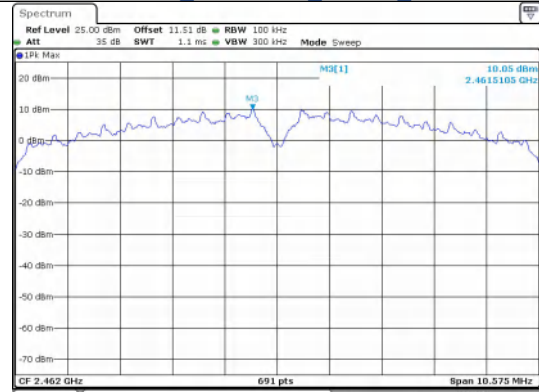
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In-Band Reference Level
IEEE 802.11b_Channel 6_20MHz_Antenna 1



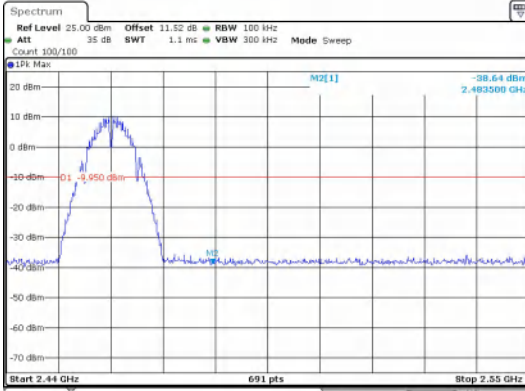
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30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 6_20MHz_Antenna 1

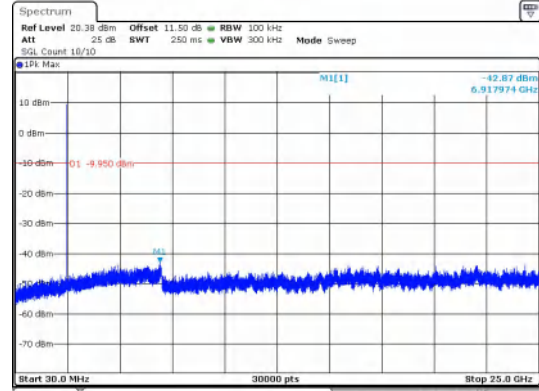


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In-Band Reference Level
IEEE 802.11b_Channel 11_20MHz_Antenna 1



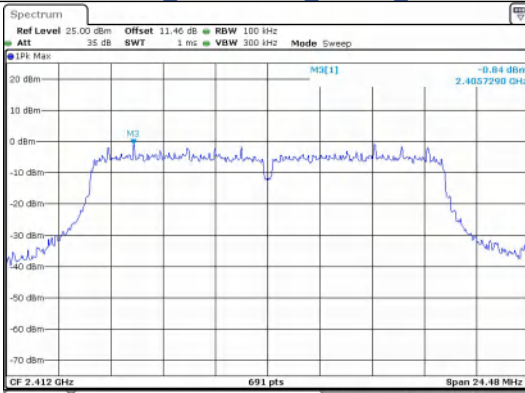
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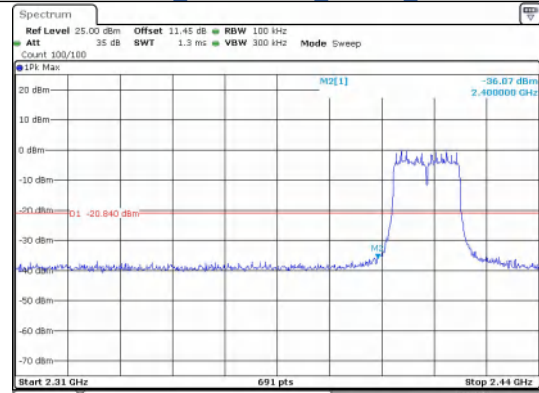
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Out Of Band Emission
IEEE 802.11b Channel 11_20MHz_Antenna 1

30.0 MHz - 25000.0 MHz
IEEE 802.11b Channel 11_20MHz_Antenna 1



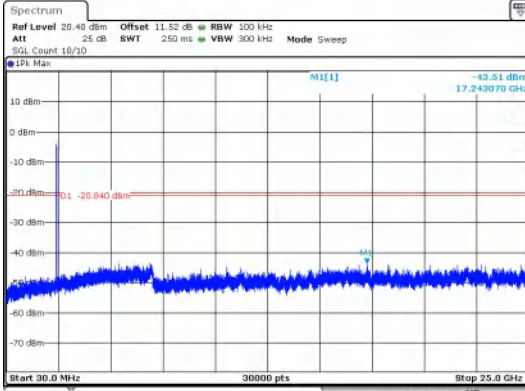
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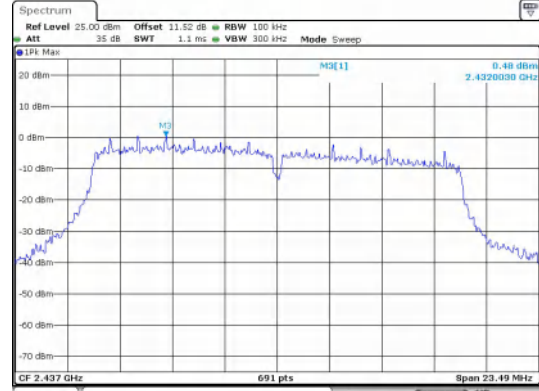
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In-Band Reference Level
IEEE 802.11g Channel 1_20MHz_Antenna 1

Out Of Band Emission
IEEE 802.11g Channel 1_20MHz_Antenna 1



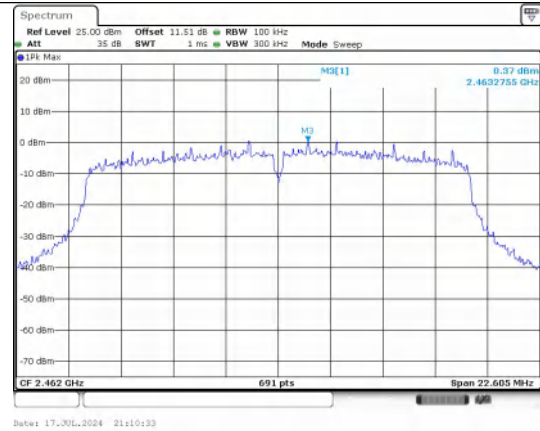
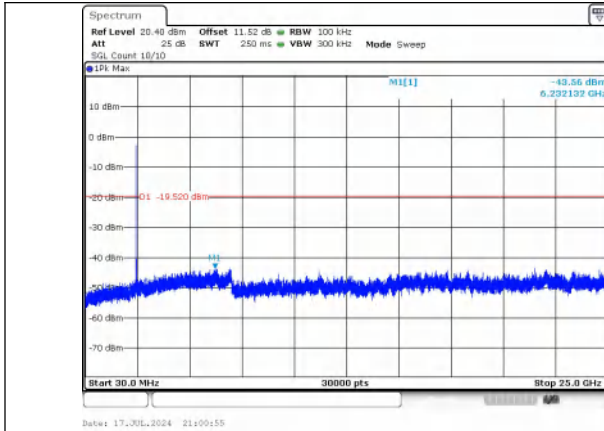
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Date: 17_JUL_2024 21:00:30

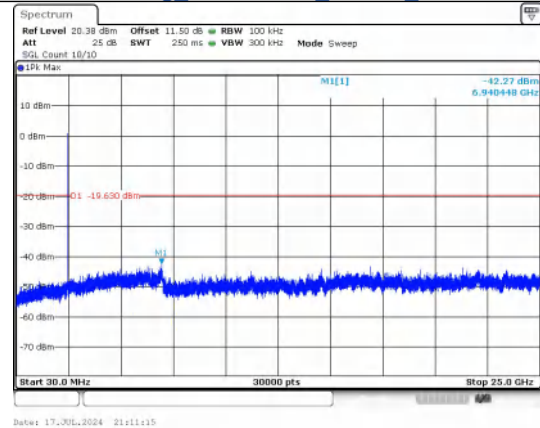
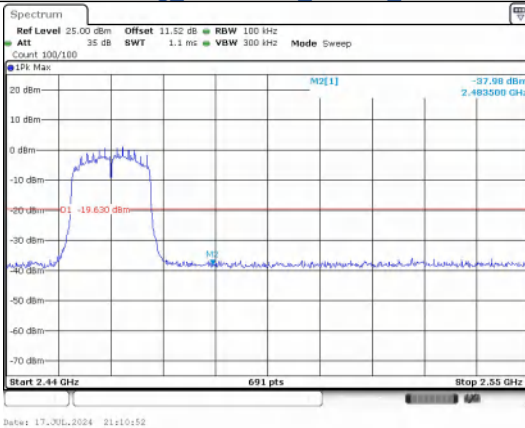
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IEEE 802.11g Channel 1_20MHz_Antenna 1

In-Band Reference Level
IEEE 802.11g Channel 6_20MHz_Antenna 1



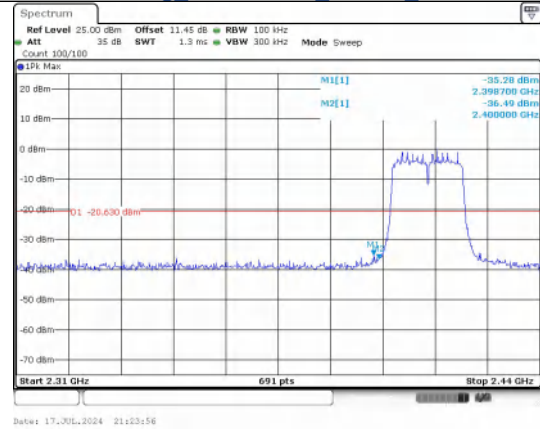
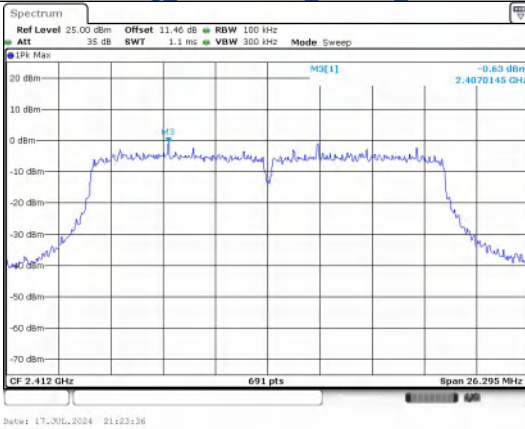
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IEEE 802.11g Channel 6 20MHz Antenna 1

In-Band Reference Level
IEEE 802.11g Channel 11 20MHz Antenna 1



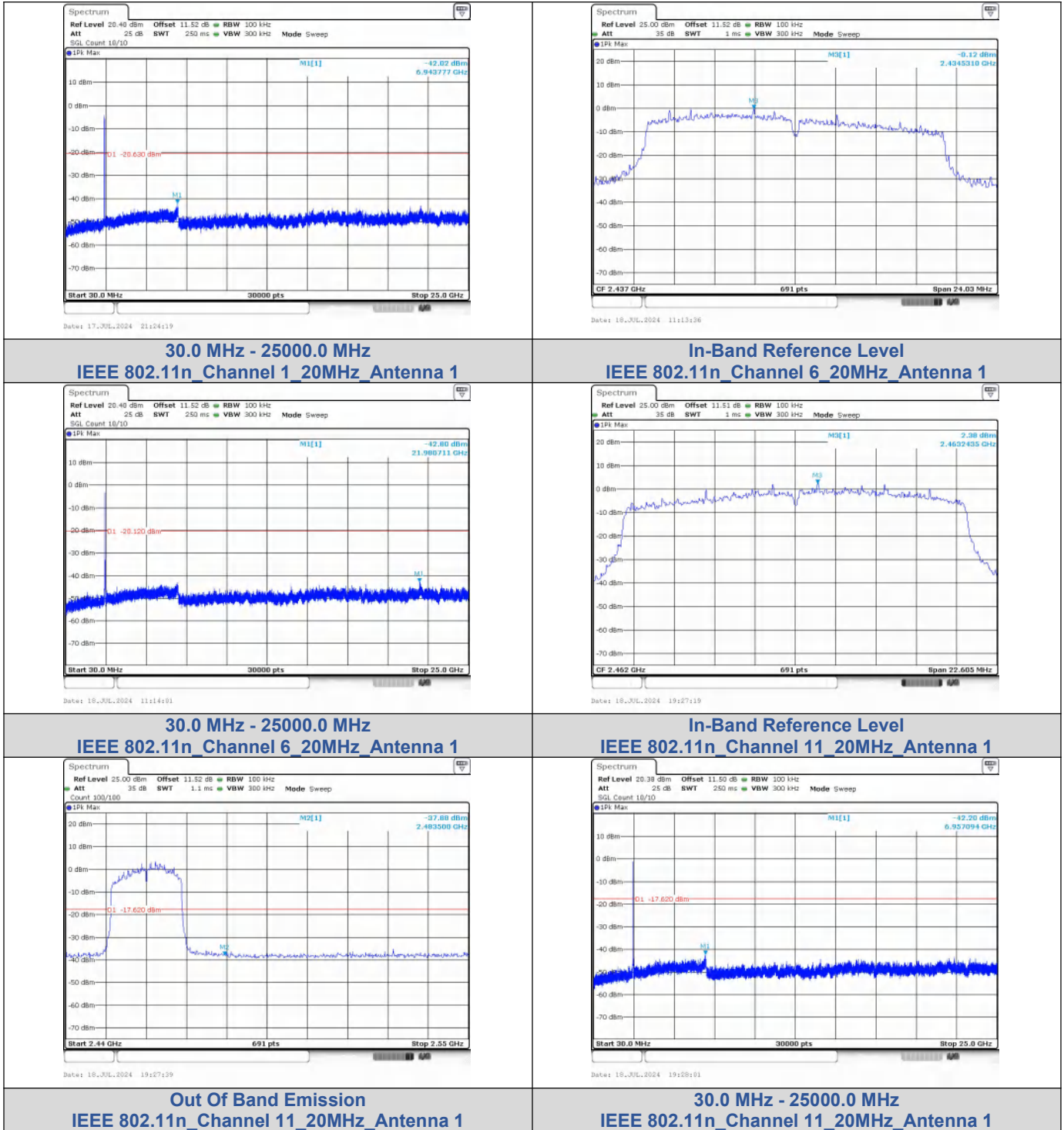
Out Of Band Emission
IEEE 802.11g Channel 11 20MHz Antenna 1

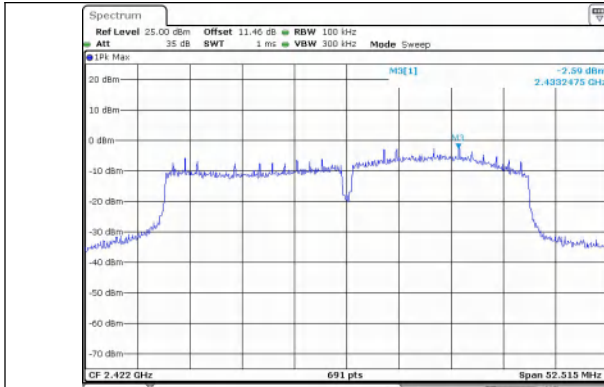
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IEEE 802.11g Channel 11 20MHz Antenna 1



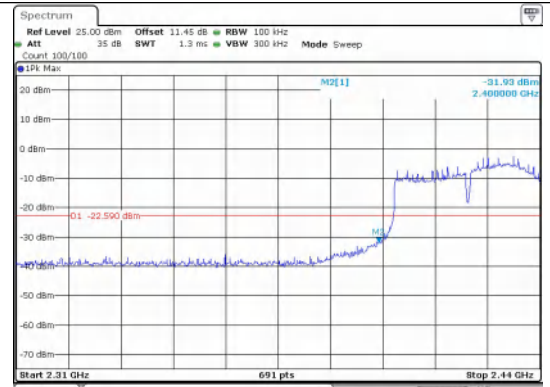
In-Band Reference Level
IEEE 802.11n Channel 1 20MHz Antenna 1

Out Of Band Emission
IEEE 802.11n Channel 1 20MHz Antenna 1

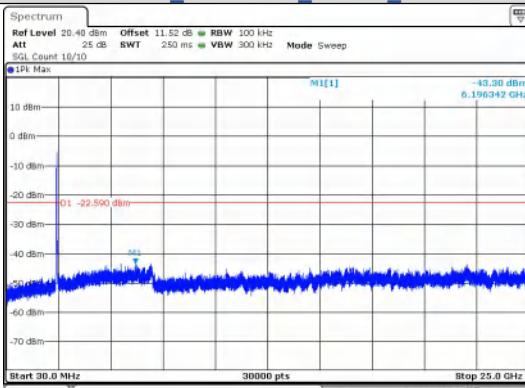




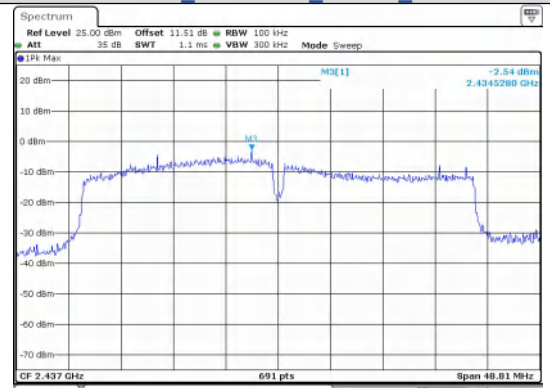
In-Band Reference Level
IEEE 802.11n Channel 3 40MHz Antenna 1



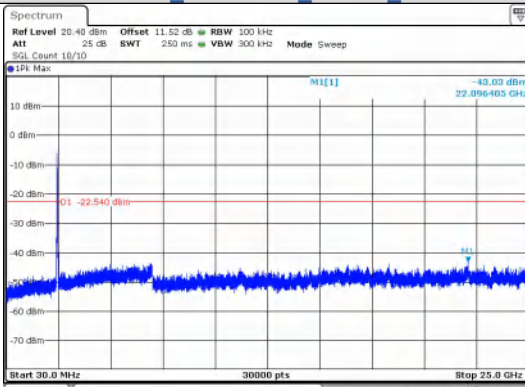
Out Of Band Emission
IEEE 802.11n Channel 3 40MHz Antenna 1



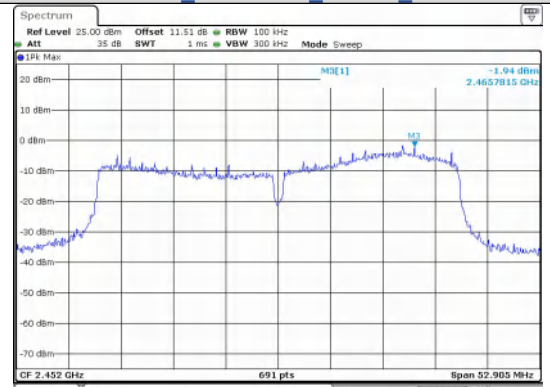
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IEEE 802.11n Channel 3 40MHz Antenna 1



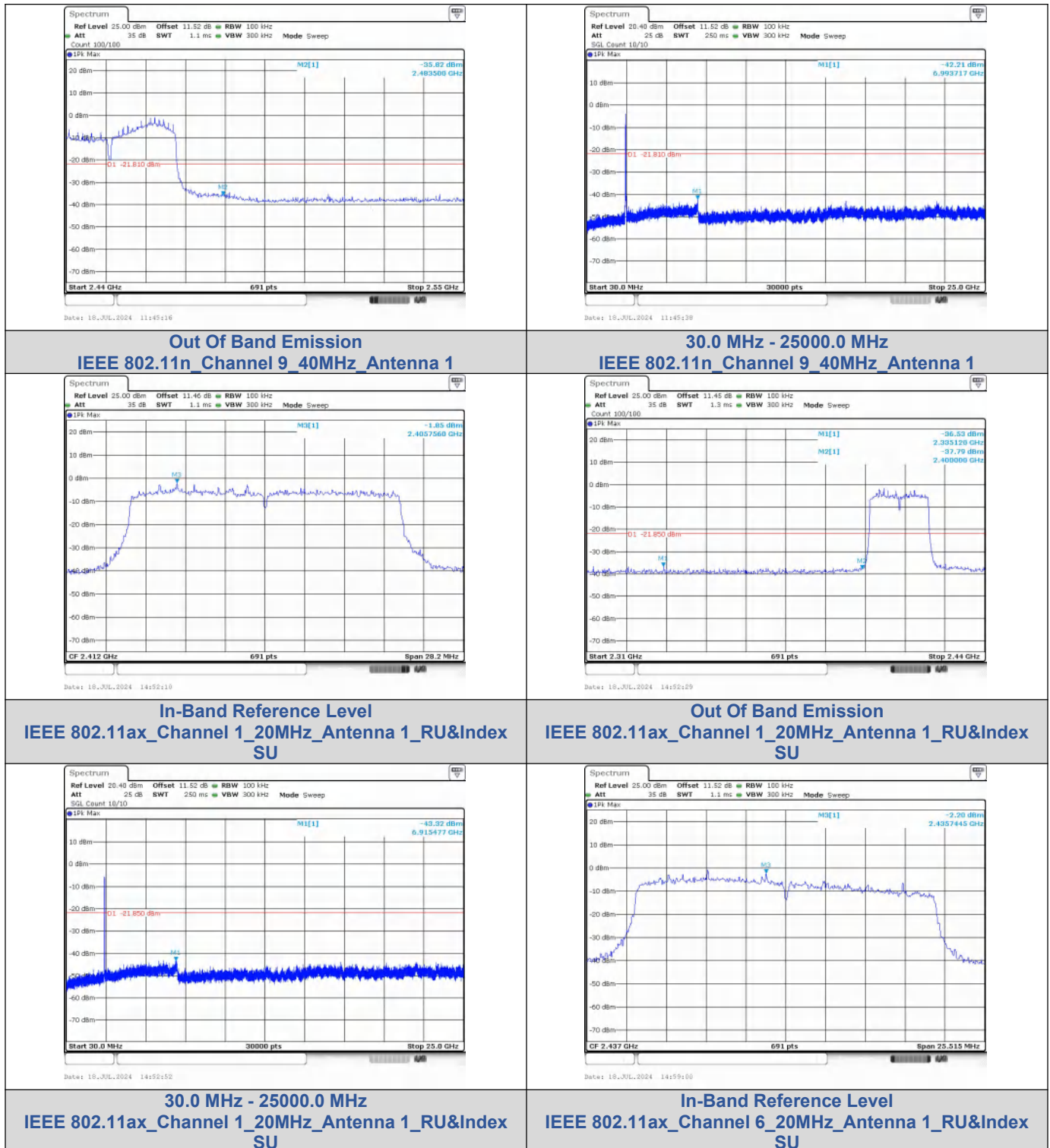
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IEEE 802.11n Channel 6 40MHz Antenna 1

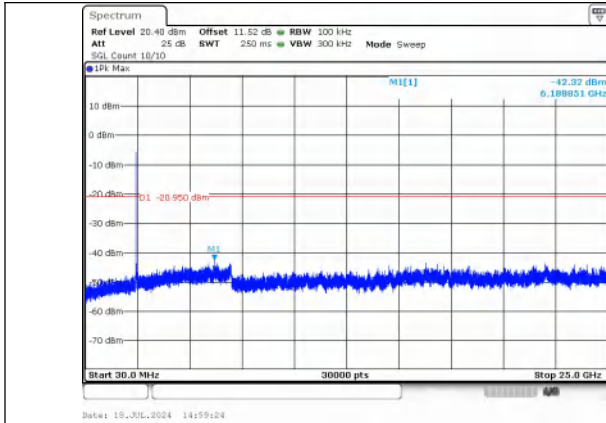


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IEEE 802.11n Channel 6 40MHz Antenna 1

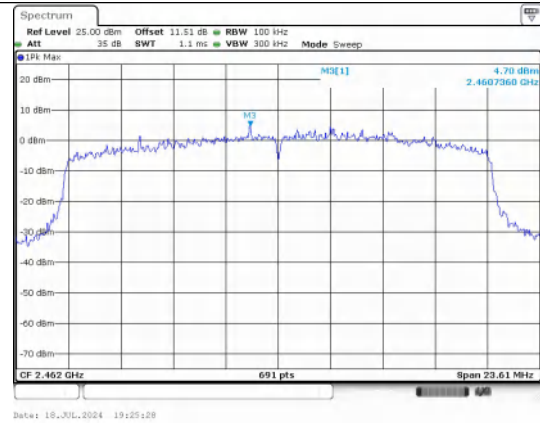


In-Band Reference Level
IEEE 802.11n Channel 9 40MHz Antenna 1

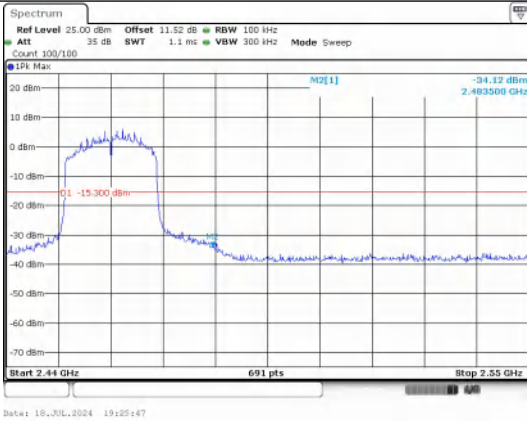




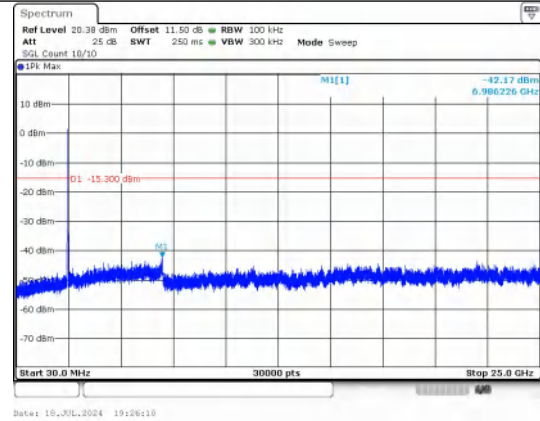
30.0 MHz - 25000.0 MHz
IEEE 802.11ax_Channel 6_20MHz_Antenna 1_RU&Index SU



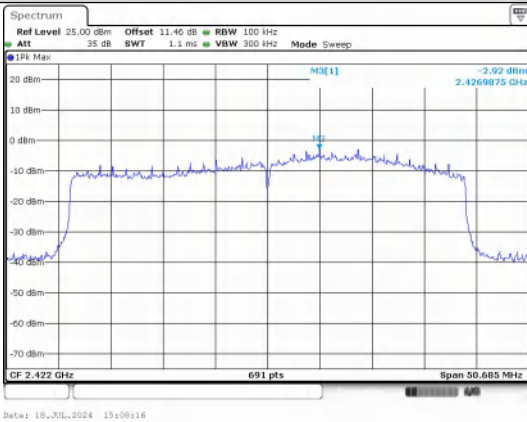
In-Band Reference Level
IEEE 802.11ax_Channel 11_20MHz_Antenna 1_RU&Index SU



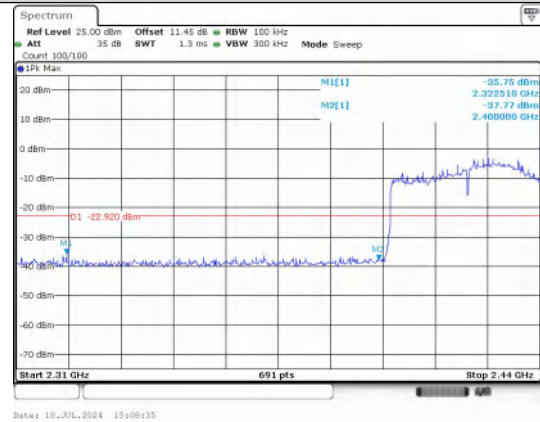
Out Of Band Emission
IEEE 802.11ax_Channel 11_20MHz_Antenna 1_RU&Index SU



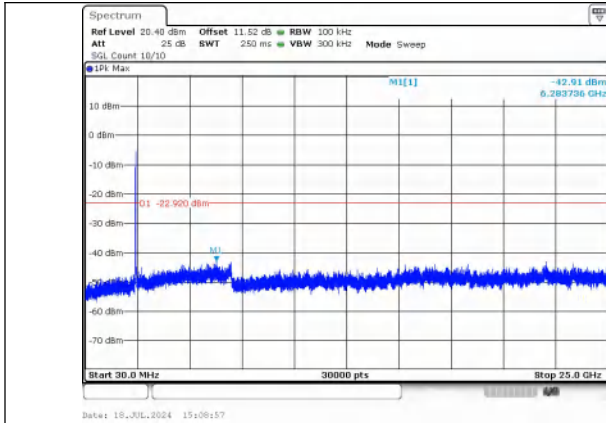
30.0 MHz - 25000.0 MHz
IEEE 802.11ax_Channel 11_20MHz_Antenna 1_RU&Index SU



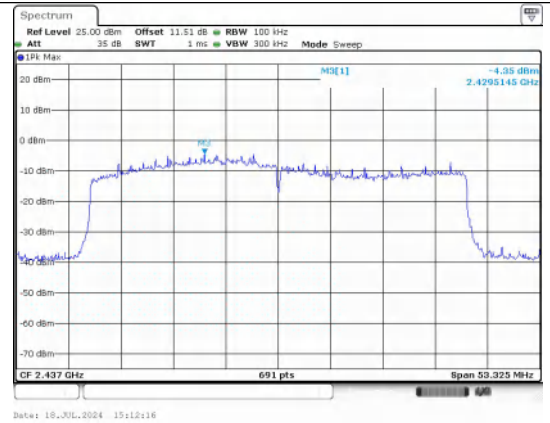
In-Band Reference Level
IEEE 802.11ax_Channel 3_40MHz_Antenna 1_RU&Index SU



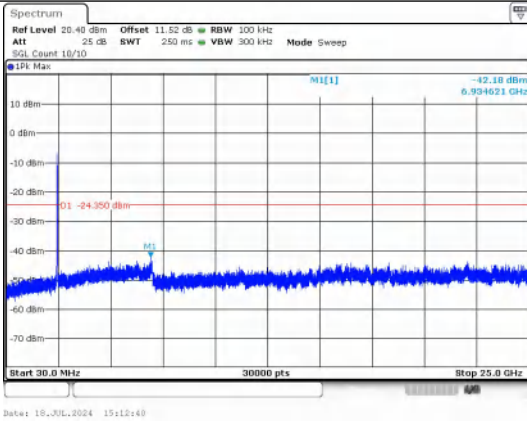
Out Of Band Emission
IEEE 802.11ax_Channel 3_40MHz_Antenna 1_RU&Index SU



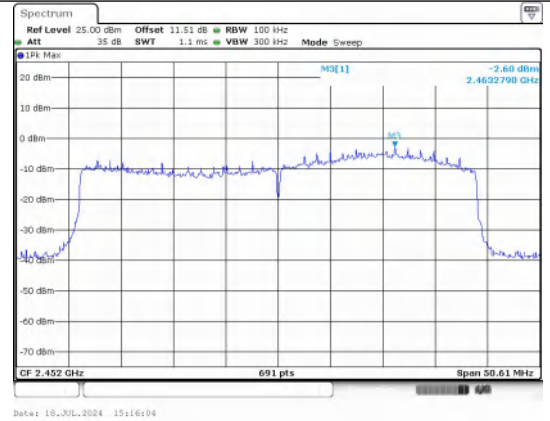
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IEEE 802.11ax_Channel 3_40MHz_Antenna 1_RU&Index
SU



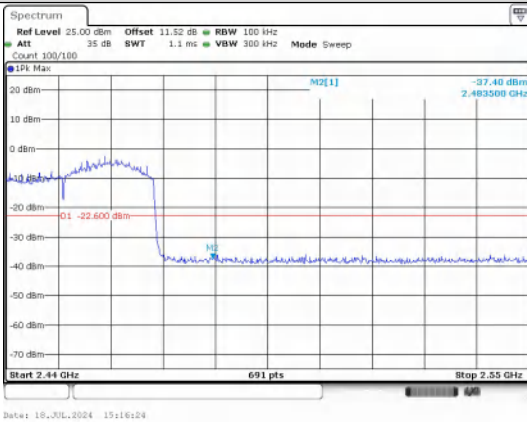
In-Band Reference Level
IEEE 802.11ax_Channel 6_40MHz_Antenna 1_RU&Index
SU



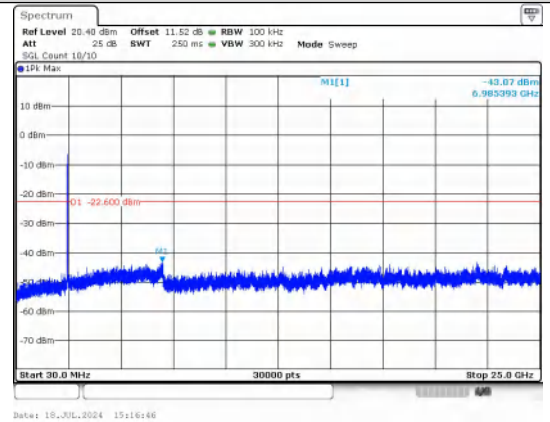
30.0 MHz - 25000.0 MHz
IEEE 802.11ax_Channel 6_40MHz_Antenna 1_RU&Index
SU



In-Band Reference Level
IEEE 802.11ax_Channel 9_40MHz_Antenna 1_RU&Index
SU



Out Of Band Emission
IEEE 802.11ax_Channel 9_40MHz_Antenna 1_RU&Index
SU



30.0 MHz - 25000.0 MHz
IEEE 802.11ax_Channel 9_40MHz_Antenna 1_RU&Index
SU