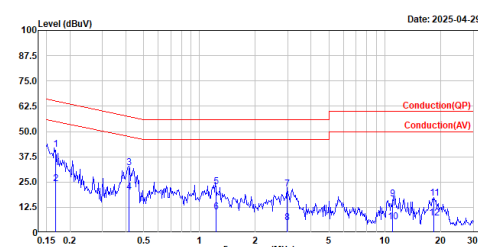
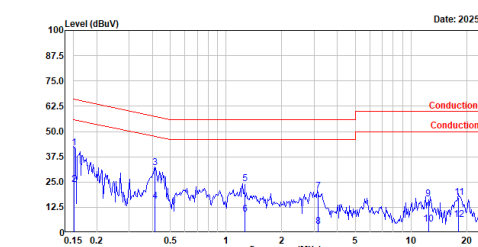


Appendix A. Test Result of AC Power Line Conducted Emission

TX_ax20_2437MHz_Line								TX_ax20_2437MHz_Neutral							
Site :HY-SR01 Condition :Line Mode :TX_ax20_2437MHz test by :Ryan 								Site :HY-SR01 Condition :Neutral Mode :TX_ax20_2437MHz test by :Ryan 							
No.	Frequency	Level	Limit	Over	Read	Factor	Remark	No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB			MHz	dBuV	dBuV	dB	dBuV	dB	
1	0.168	41.06	65.08	-24.02	31.42	9.64	QP	1	0.151	41.80	65.96	-24.16	32.18	9.62	QP
2	0.168	24.00	55.08	-31.08	14.36	9.64	Average	2	0.151	23.59	55.96	-32.37	13.97	9.62	Average
3	0.419	31.93	57.48	-25.55	22.28	9.65	QP	3	0.414	32.05	57.56	-25.51	22.42	9.63	QP
4	0.419	20.10	47.48	-27.38	10.45	9.65	Average	4	0.414	15.58	47.56	-31.98	5.95	9.63	Average
5	1.235	22.79	56.00	-33.21	13.08	9.71	QP	5	1.260	24.11	56.00	-31.89	14.42	9.69	QP
6	1.235	10.02	46.00	-35.98	0.31	9.71	Average	6	1.260	9.11	46.00	-36.89	-0.58	9.69	Average
7	2.981	21.68	56.00	-34.32	11.76	9.92	QP	7	3.152	20.41	56.00	-35.59	10.50	9.91	QP
8	2.981	4.72	46.00	-41.28	-5.20	9.92	Average	8	3.152	3.17	46.00	-42.83	-6.74	9.91	Average
9	10.976	16.48	60.00	-43.52	6.34	10.14	QP	9	12.381	16.76	60.00	-43.24	6.73	10.03	QP
10	10.976	5.38	50.00	-44.62	-4.76	10.14	Average	10	12.381	3.98	50.00	-46.02	-6.05	10.03	Average
11	18.428	17.07	60.00	-42.93	7.24	9.83	QP	11	18.050	17.48	60.00	-42.52	7.58	9.90	QP
12	18.428	7.20	50.00	-42.80	-2.63	9.83	Average	12	18.050	6.43	50.00	-43.57	-3.47	9.90	Average

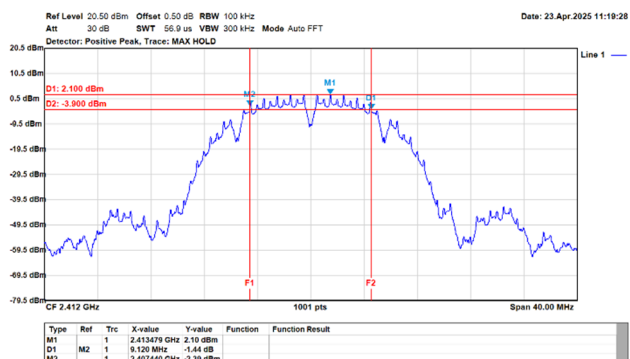
Note:
1. Level = Read Level + Factor
2. Factor = LISN insertion loss + Cable loss
3. Over Limit = Level - Limit Line

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1. Level = Read Level + Factor
2. Factor = LISN insertion loss + Cable loss
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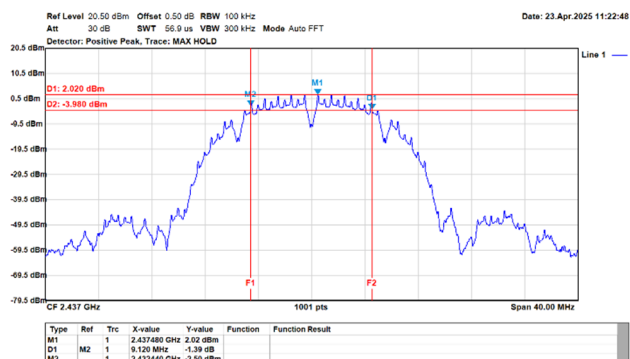
Appendix B. 6 dB Bandwidth

Modulation	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
		Ant. 1		
802.11b (20MHz)	2412	9.12	0.50	Pass
	2437	9.12	0.50	Pass
	2462	9.12	0.50	Pass
802.11g (20MHz)	2412	16.32	0.50	Pass
	2437	16.32	0.50	Pass
	2462	16.32	0.50	Pass
802.11n (20MHz)	2412	16.92	0.50	Pass
	2437	16.92	0.50	Pass
	2462	16.92	0.50	Pass
802.11ax (20MHz)	2412	18.08	0.50	Pass
	2437	17.84	0.50	Pass
	2462	18.36	0.50	Pass

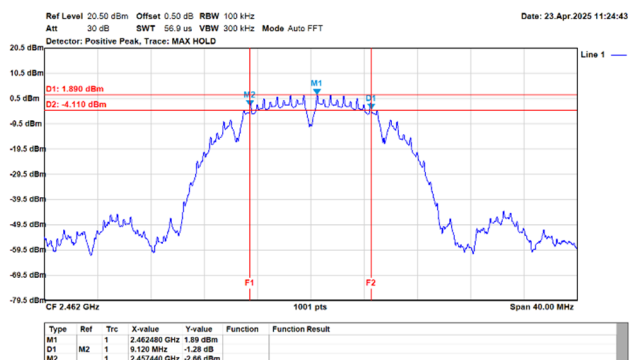
802.11b/20MHz/1M/2412MHz/Ch1/Ant.1



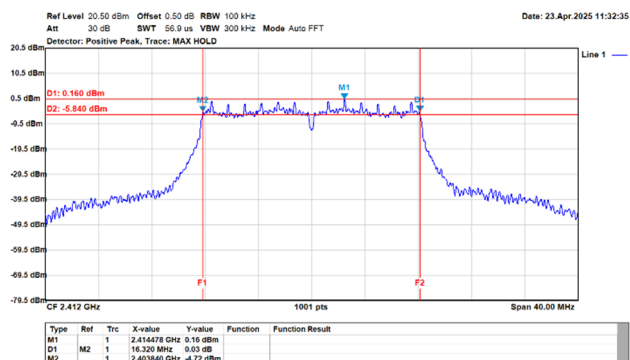
802.11b/20MHz/1M/2437MHz/Ch6/Ant.1



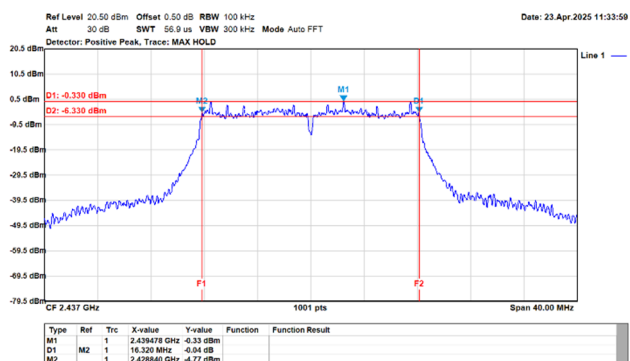
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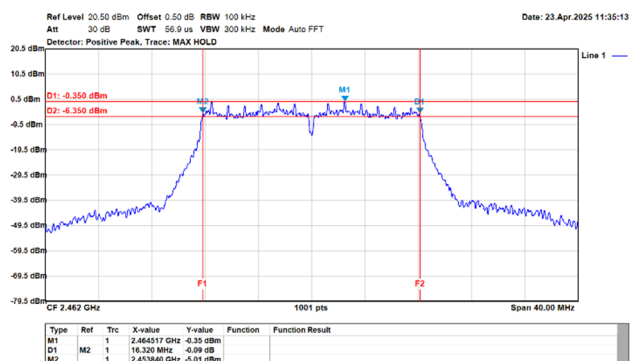
802.11g/20MHz/6M/2412MHz/Ch1/Ant.1



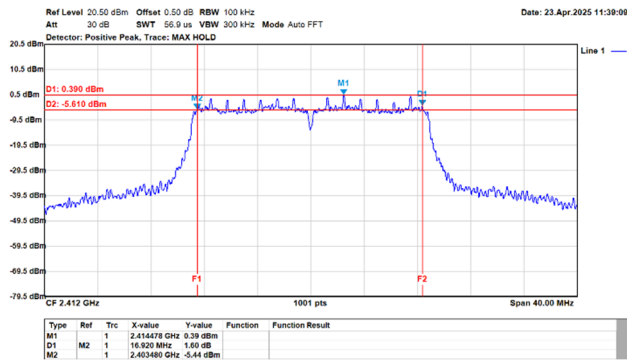
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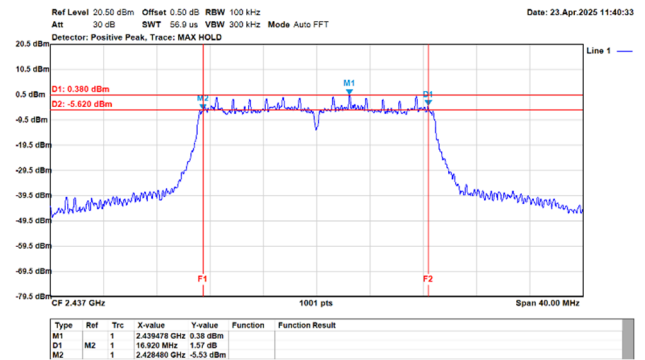
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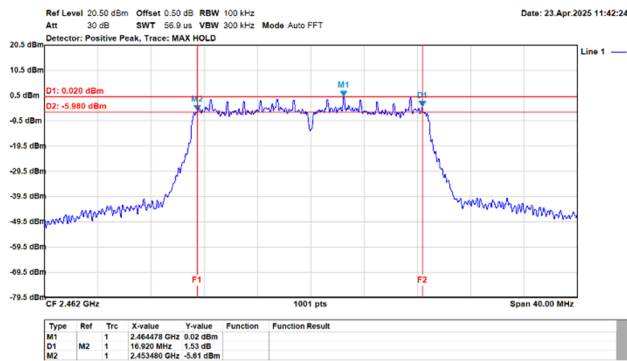
802.11n/20MHz/MCS0/2412MHz/Ch1/Ant.1



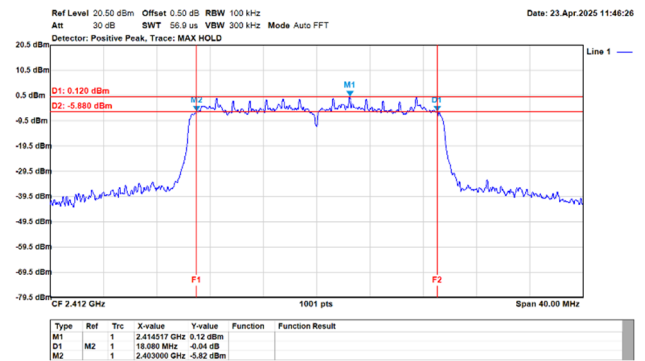
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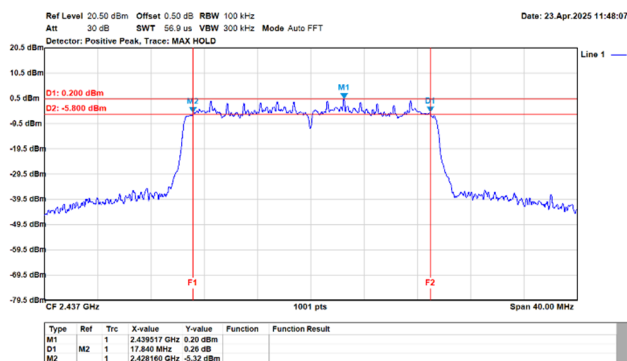
802.11n/20MHz/MCS0/2462MHz/Ch11/Ant.1



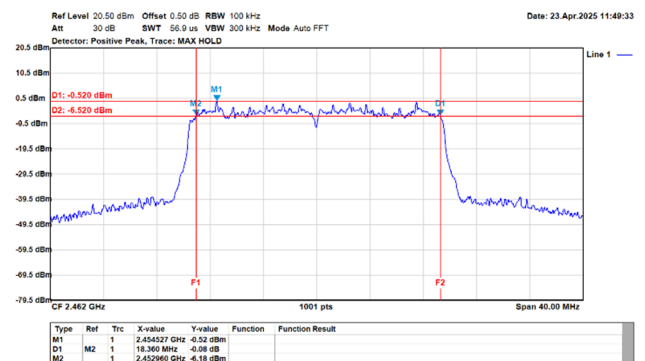
802.11ax/20MHz/MCS0/2412MHz/Ch1/Ant.1



802.11ax/20MHz/MCS0/2437MHz/Ch6/Ant.1



802.11ax/20MHz/MCS0/2462MHz/Ch11/Ant.1



Appendix C. Test Result of Maximum Peak Conducted Output Power

Average

Modulation	Frequency (MHz)	Maximum Conducted Output Power (dBm)	Limit (dBm)	Result
		Ant. 1		
802.11b (20MHz)	2412	12.36	30.00	Pass
	2437	12.50	30.00	Pass
	2462	12.36	30.00	Pass
802.11g (20MHz)	2412	12.22	30.00	Pass
	2437	12.21	30.00	Pass
	2462	12.26	30.00	Pass
802.11n (20MHz)	2412	12.32	30.00	Pass
	2437	12.26	30.00	Pass
	2462	12.14	30.00	Pass
802.11ax (20MHz)	2412	12.50	30.00	Pass
	2437	12.45	30.00	Pass
	2462	12.41	30.00	Pass

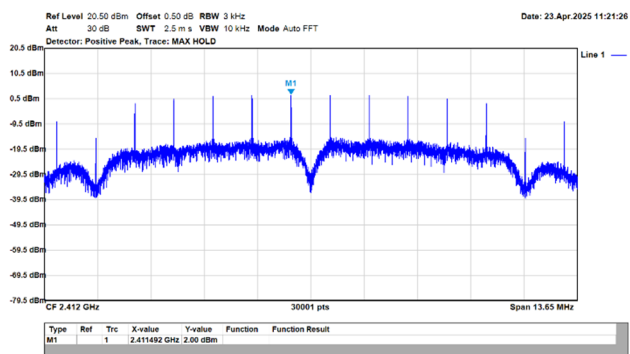
Peak

Modulation	Frequency (MHz)	Maximum Conducted Output Power (dBm)	Limit (dBm)	Result
		Ant. 1		
802.11b (20MHz)	2412	14.99	30.00	Pass
	2437	15.11	30.00	Pass
	2462	14.89	30.00	Pass
802.11g (20MHz)	2412	20.85	30.00	Pass
	2437	20.88	30.00	Pass
	2462	20.96	30.00	Pass
802.11n (20MHz)	2412	20.92	30.00	Pass
	2437	20.85	30.00	Pass
	2462	20.87	30.00	Pass
802.11ax (20MHz)	2412	21.32	30.00	Pass
	2437	21.42	30.00	Pass
	2462	21.19	30.00	Pass

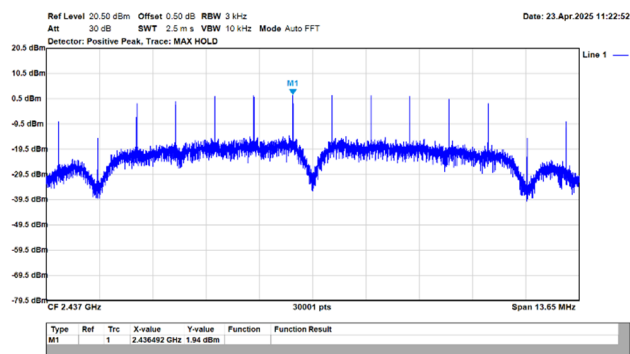
Appendix D. Test Result of Power Spectral Density

Modulation	Frequency (MHz)	Power Spectral Density (dBm / 3kHz)	Limit (dBm / 3kHz)	Result
		Ant. 1		
802.11b (20MHz)	2412	2.00	8.00	Pass
	2437	1.94	8.00	Pass
	2462	1.78	8.00	Pass
802.11g (20MHz)	2412	-15.25	8.00	Pass
	2437	-14.27	8.00	Pass
	2462	-14.26	8.00	Pass
802.11n (20MHz)	2412	-14.39	8.00	Pass
	2437	-14.76	8.00	Pass
	2462	-15.18	8.00	Pass
802.11ax (20MHz)	2412	-14.83	8.00	Pass
	2437	-14.80	8.00	Pass
	2462	-14.69	8.00	Pass

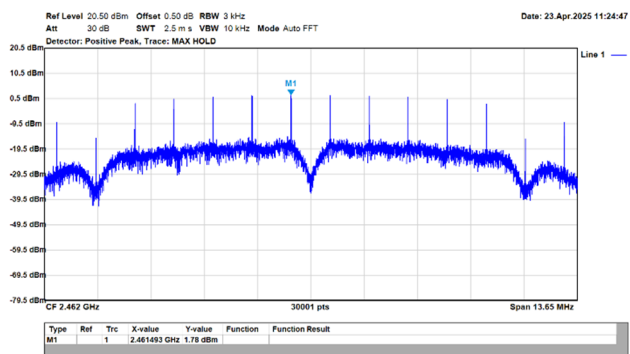
802.11b/20MHz/1M/2412MHz/Ch1/Ant.1



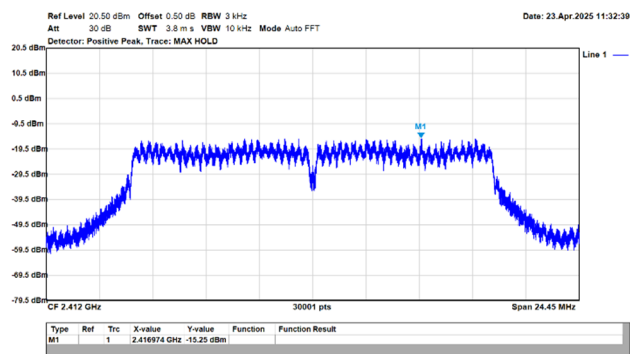
802.11b/20MHz/1M/2437MHz/Ch6/Ant.1



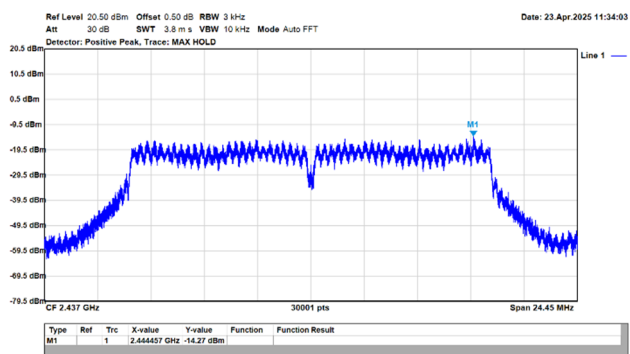
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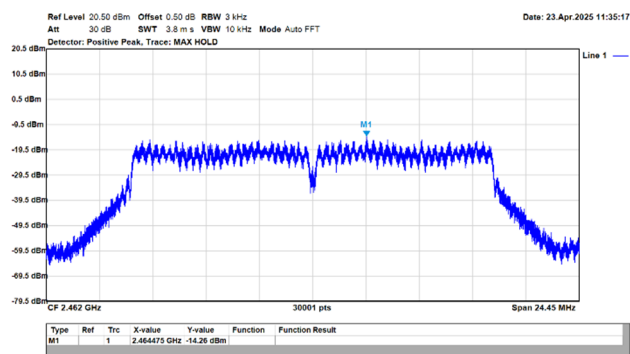
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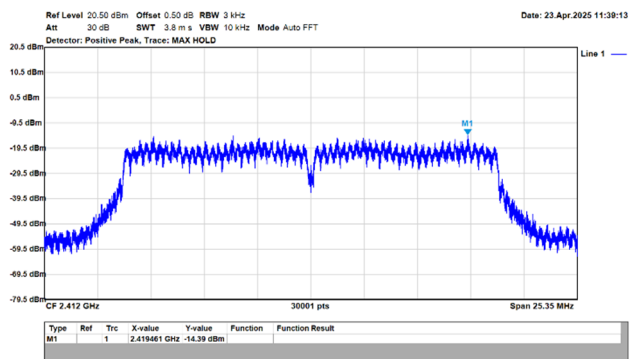
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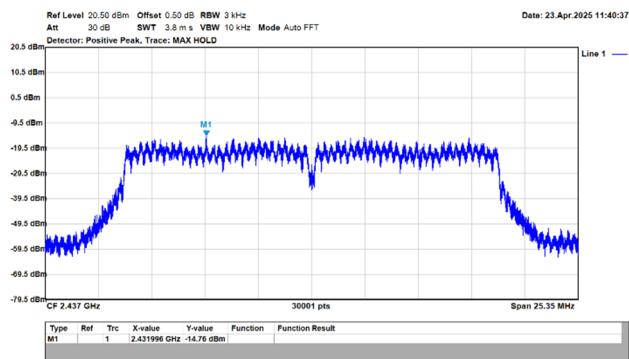
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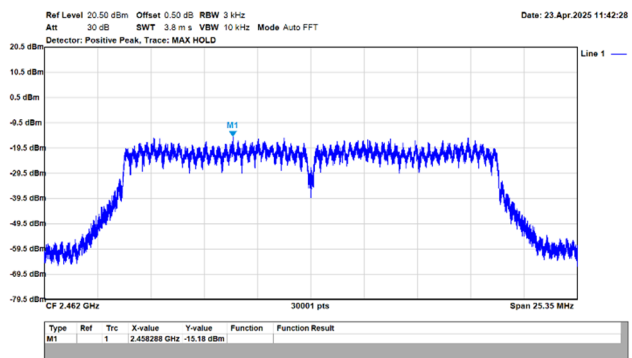
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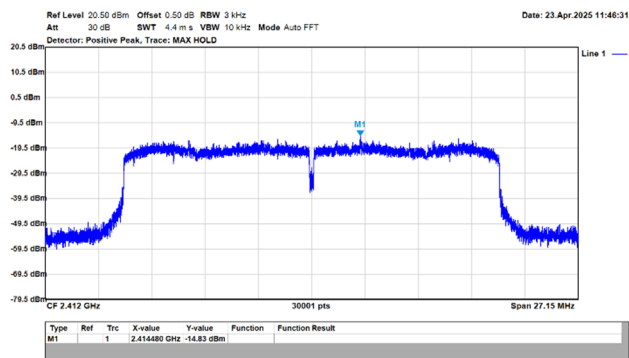
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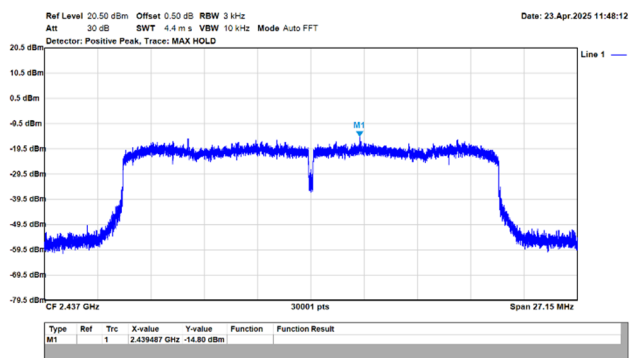
802.11n/20MHz/MCS0/2462MHz/Ch11/Ant.1



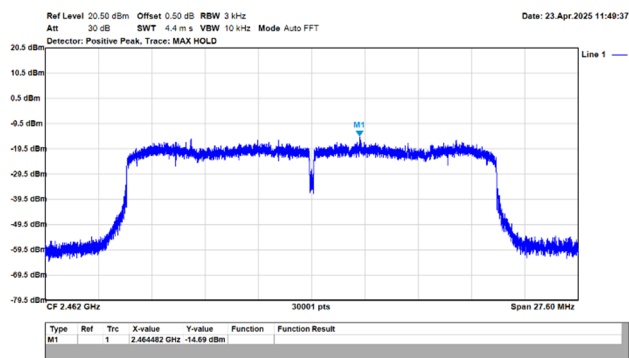
802.11ax/20MHz/MCS0/2412MHz/Ch1/Ant.1



802.11ax/20MHz/MCS0/2437MHz/Ch6/Ant.1



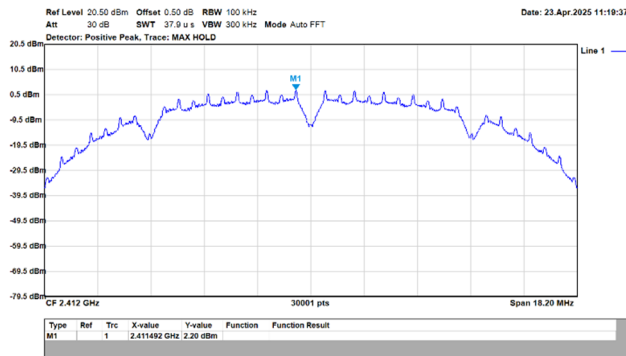
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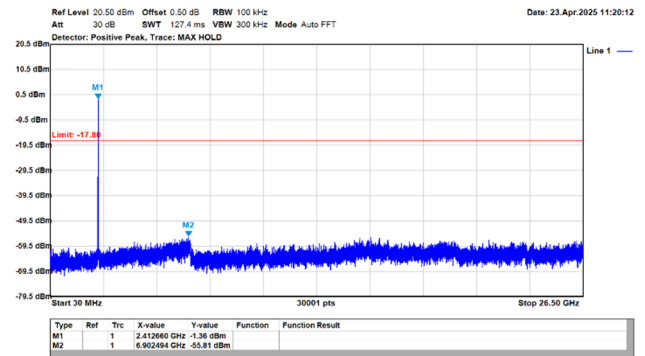
Appendix E. Test Result of Antenna Port Conducted Emission

Modulation	Measurement Level Δ (dB)	Result
802.11b (20MHz)	> 20	PASS
802.11g (20MHz)	> 20	PASS
802.11n (20MHz)	> 20	PASS
802.11ax (20MHz)	> 20	PASS

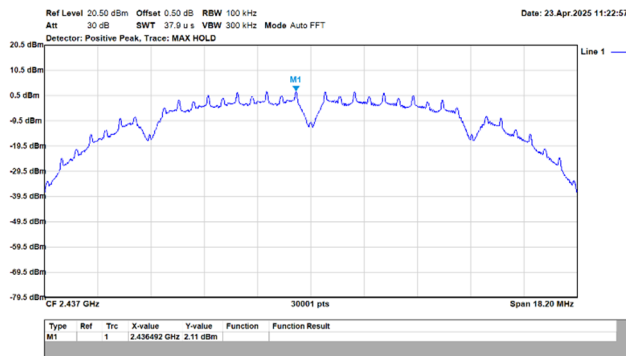
802.11b/20MHz/1M/2412MHz/Ch1/Ant.1 (Ref.)



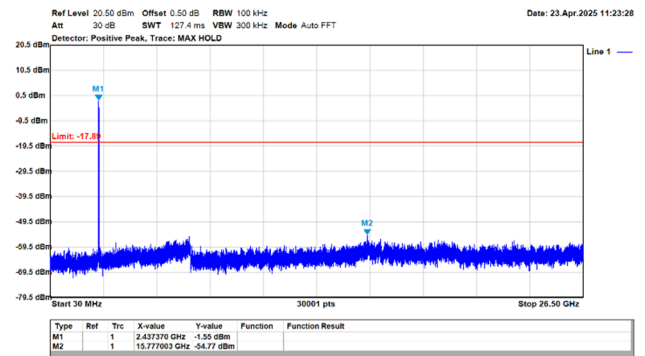
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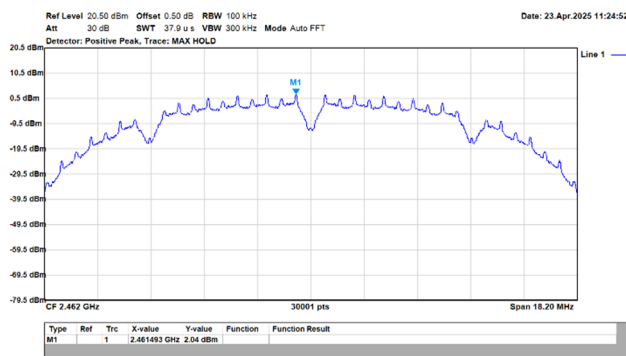
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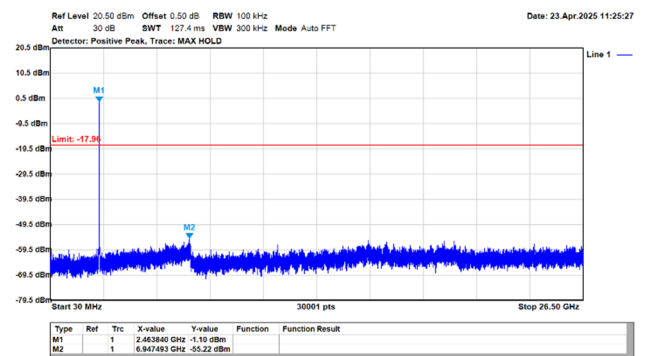
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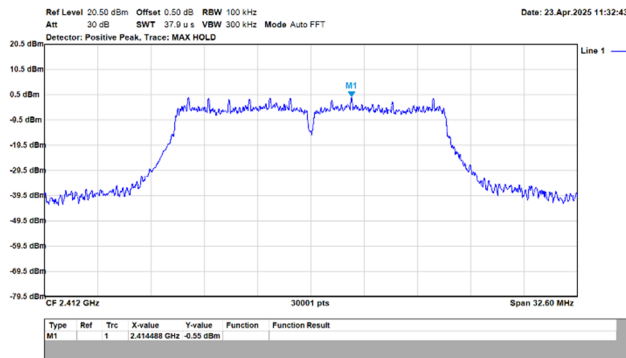
802.11b/20MHz/1M/2462MHz/Ch11/Ant.1 (Ref.)



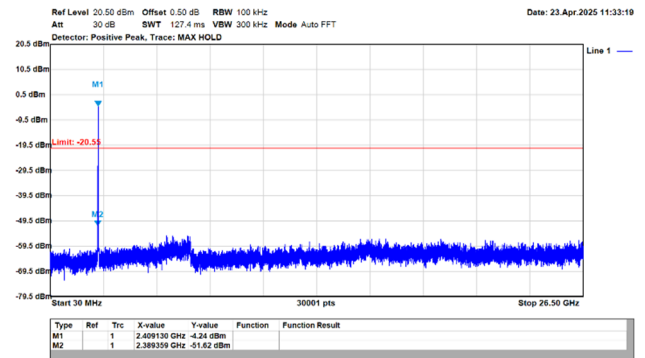
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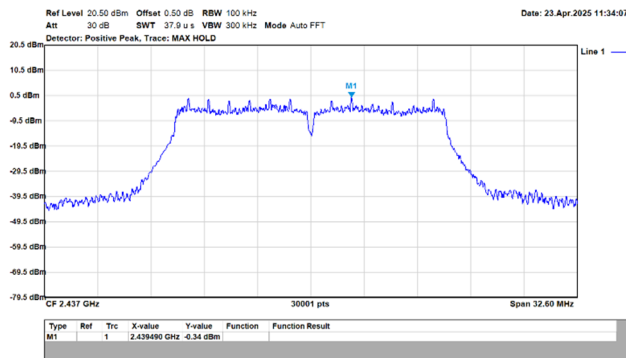
802.11g/20MHz/6M/2412MHz/Ch1/Ant.1 (Ref.)



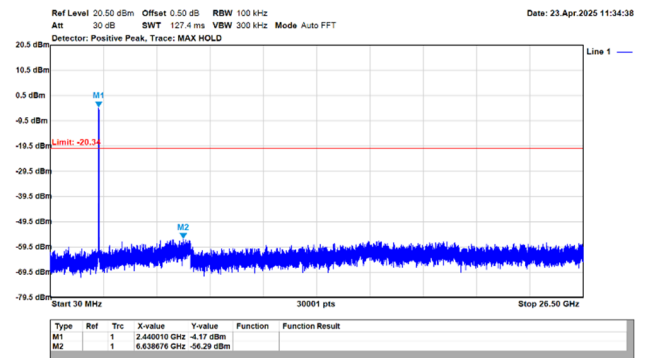
802.11g/20MHz/6M/2412MHz/Ch1/Ant.1



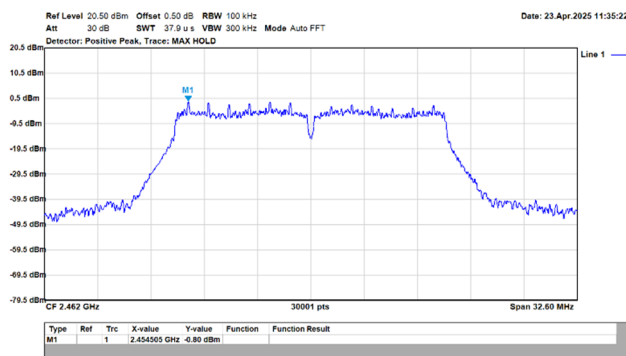
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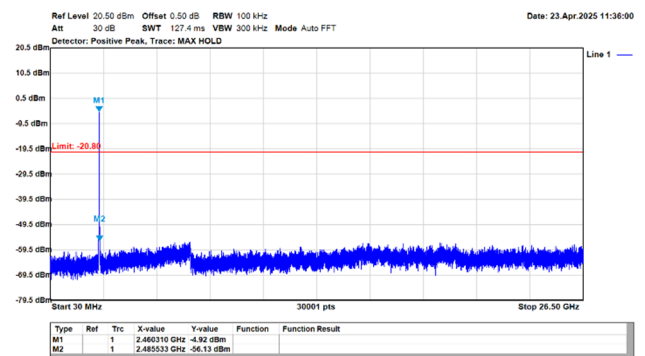
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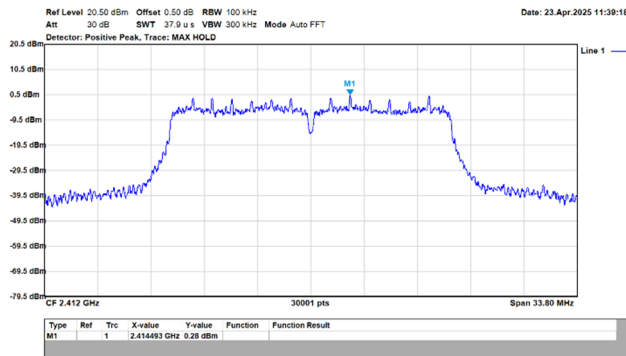
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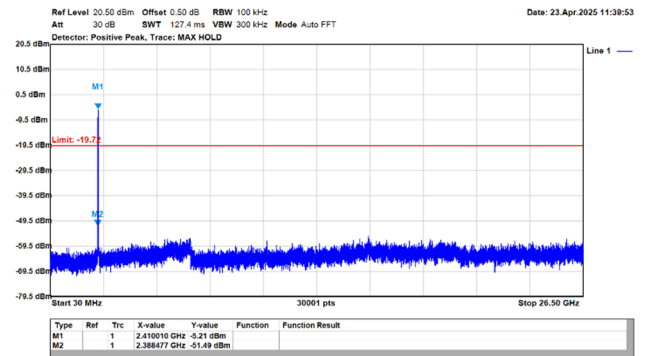
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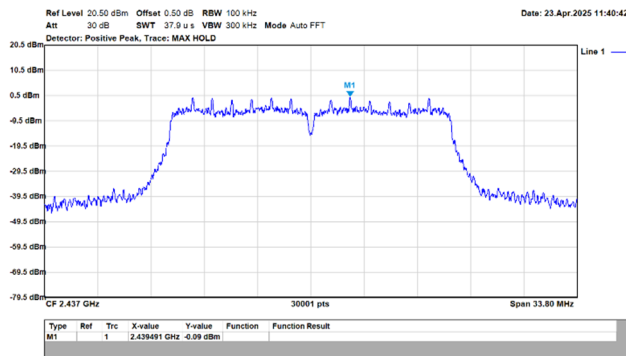
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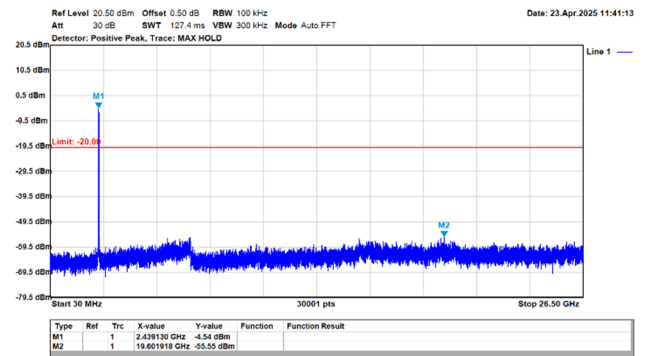
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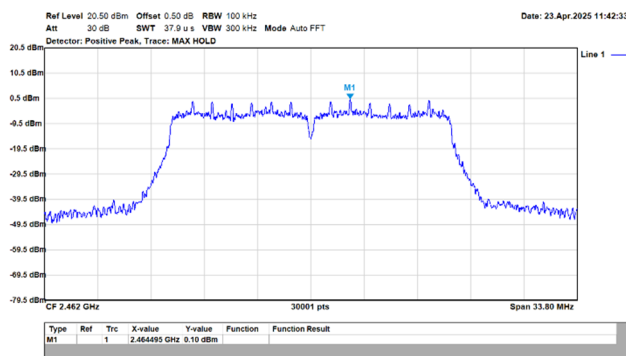
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802.11n/20MHz/MCS0/2437MHz/Ch6/Ant.1



802.11n/20MHz/MCS0/2462MHz/Ch11/Ant.1 (Ref.)



802.11n/20MHz/MCS0/2462MHz/Ch11/Ant.1

