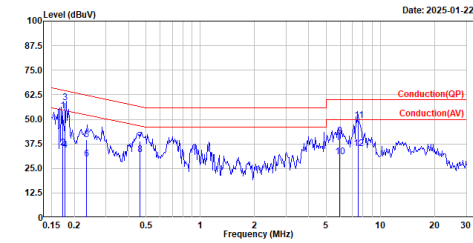


Appendix A. Test Result of AC Power Line Conducted Emission

Model No.: TAP-M310R-1P2R1S-US-CT-T

Site :HY-SR01
Condition :Line
Mode :TX_ax40_2437MHz
test by :Leo

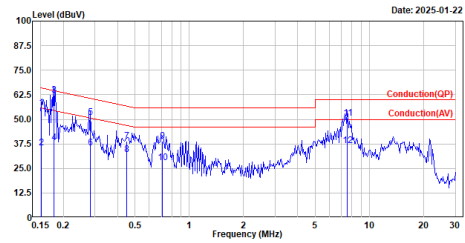


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV	Line	Limit	Level	dB	
1	0.173	54.16	64.81	-10.65	44.52	9.64	QP
2	0.173	35.31	54.81	-19.50	25.67	9.64	Average
3	0.177	58.65	64.62	-5.97	49.01	9.64	QP
4	0.177	34.44	54.62	-20.18	24.80	9.64	Average
5	0.234	39.74	62.30	-22.56	30.10	9.64	QP
6	0.234	29.89	52.30	-22.41	20.25	9.64	Average
7	0.464	39.05	56.62	-17.57	29.40	9.65	QP
8	0.464	31.91	46.62	-14.71	22.26	9.65	Average
9	5.927	41.34	60.00	-18.66	31.20	10.14	QP
10	5.927	31.04	50.00	-18.96	20.90	10.14	Average
11	7.549	49.46	60.00	-10.54	39.28	10.18	QP
12	7.549	35.28	50.00	-14.72	25.10	10.18	Average

Note:

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

Site :HY-SR01
Condition :Neutral
Mode :TX_ax40_2437MHz
test by :Leo



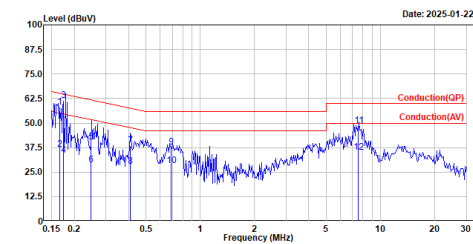
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV	Line	Limit	Level	dB	
1	0.151	55.71	65.94	-10.23	46.09	9.62	QP
2	0.151	35.45	55.94	-20.49	25.83	9.62	Average
3	0.178	62.08	64.60	-2.52	52.46	9.62	QP
4	0.178	38.25	54.60	-16.35	28.63	9.62	Average
5	0.282	50.80	60.74	-9.94	41.17	9.63	QP
6	0.282	35.34	50.74	-15.40	25.71	9.63	Average
7	0.451	38.86	56.85	-17.99	29.23	9.63	QP
8	0.451	32.23	46.85	-14.62	22.60	9.63	Average
9	0.707	38.81	56.00	-17.19	29.16	9.65	QP
10	0.707	27.85	46.00	-18.15	18.20	9.65	Average
11	7.551	50.51	60.00	-9.49	40.35	10.16	QP
12	7.551	36.73	50.00	-13.27	26.57	10.16	Average

Note:

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

Model No.: TAP-M310R-1P1R1S-US-CT-T

Site :HY-SR01
Condition :Line
Mode :TX_ax20_2462MHz
test by :Leo

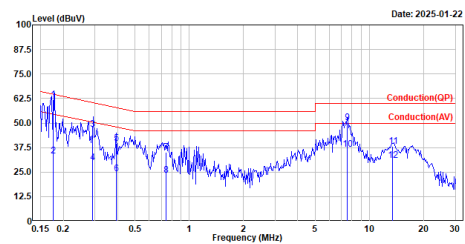


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV	Line	Limit	Level	dB	
1	0.167	58.18	65.11	-6.93	48.54	9.64	QP
2	0.167	36.47	55.11	-18.64	26.83	9.64	Average
3	0.175	61.49	64.72	-3.23	51.85	9.64	QP
4	0.175	33.69	54.72	-21.03	24.05	9.64	Average
5	0.248	40.27	61.81	-21.54	30.62	9.65	QP
6	0.248	28.73	51.81	-23.08	19.08	9.65	Average
7	0.409	38.67	57.68	-19.01	29.03	9.64	QP
8	0.409	28.06	47.68	-19.62	18.42	9.64	Average
9	0.691	37.92	56.00	-18.08	28.25	9.67	QP
10	0.691	28.34	46.00	-17.66	18.67	9.67	Average
11	7.555	48.74	60.00	-11.26	38.56	10.18	QP
12	7.555	35.24	50.00	-14.76	25.06	10.18	Average

Note:

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

Site :HY-SR01
Condition :Neutral
Mode :TX_ax20_2462MHz
test by :Leo



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV	Line	Limit	Level	dB	
1	0.177	61.89	64.64	-2.75	52.27	9.62	QP
2	0.177	33.37	54.64	-21.27	23.75	9.62	Average
3	0.291	46.97	60.50	-13.53	37.35	9.62	QP
4	0.291	29.80	50.50	-20.70	20.18	9.62	Average
5	0.393	39.63	58.00	-18.37	30.01	9.62	QP
6	0.393	24.06	48.00	-23.94	14.44	9.62	Average
7	0.746	35.08	56.00	-20.92	25.43	9.65	QP
8	0.746	23.45	46.00	-22.55	13.80	9.65	Average
9	7.558	50.31	60.00	-9.69	40.15	10.16	QP
10	7.558	36.75	50.00	-13.25	26.59	10.16	Average
11	13.475	38.12	60.00	-21.88	28.19	9.93	QP
12	13.475	31.03	50.00	-18.97	21.10	9.93	Average

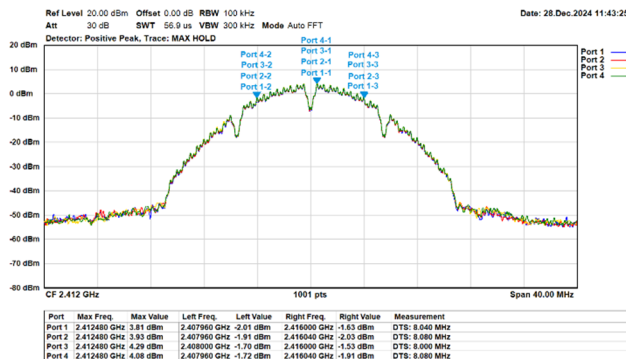
Note:

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

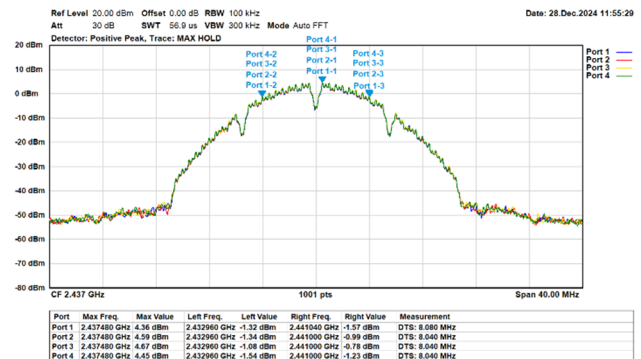
Appendix B. 6 dB Bandwidth

Modulation	Frequency (MHz)	6dB Bandwidth (MHz)				Limit (MHz)	Result
		Ant. 1	Ant. 2	Ant. 3	Ant. 4		
802.11b (20MHz)	2412	8.04	8.08	8.00	8.08	0.50	Pass
	2437	8.08	8.04	8.04	8.04	0.50	Pass
	2462	7.52	8.04	8.00	7.52	0.50	Pass
802.11g (20MHz)	2412	15.92	16.32	16.28	15.64	0.50	Pass
	2437	15.76	16.36	15.64	16.04	0.50	Pass
	2462	16.28	16.32	15.72	15.44	0.50	Pass
802.11ax (20MHz)	2412	17.72	17.60	18.36	19.04	0.50	Pass
	2437	18.80	18.84	18.40	18.92	0.50	Pass
	2462	17.64	18.76	18.04	18.92	0.50	Pass
802.11ax (40MHz)	2422	38.16	37.68	33.28	37.60	0.50	Pass
	2437	37.20	37.76	38.00	38.16	0.50	Pass
	2452	37.52	37.92	37.12	37.68	0.50	Pass

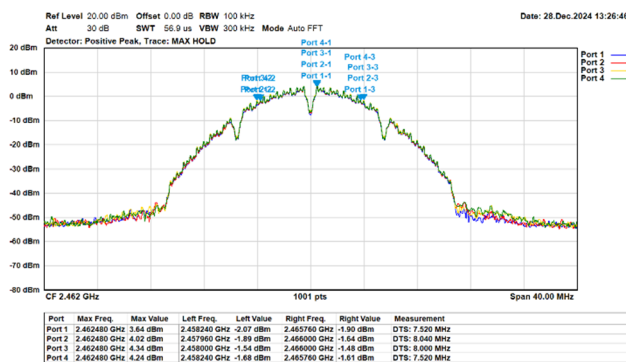
802.11b/20MHz/1M/2412MHz/Ch1



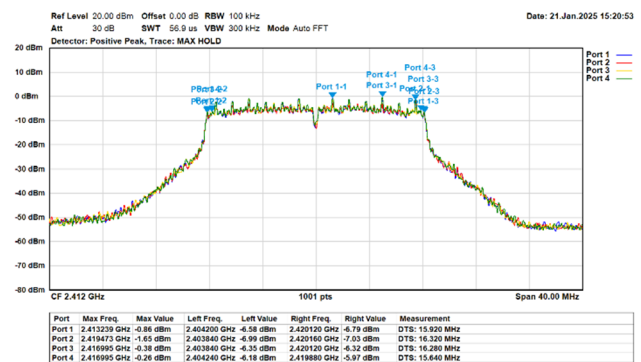
802.11b/20MHz/1M/2437MHz/Ch6



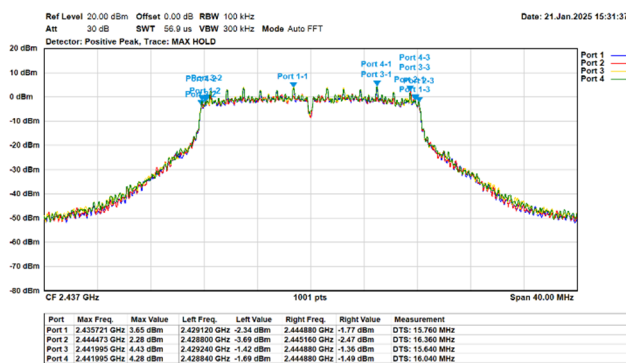
802.11b/20MHz/1M/2462MHz/Ch11



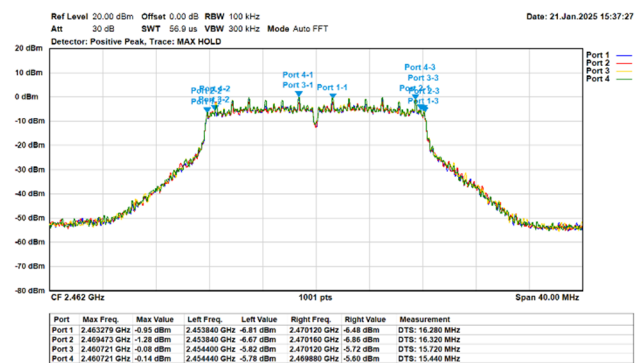
802.11g/20MHz/6M/2412MHz/Ch1



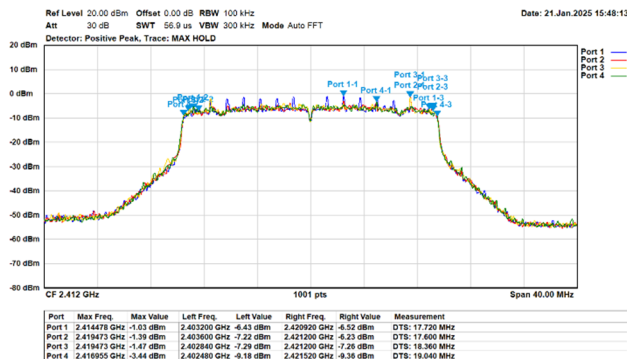
802.11g/20MHz/6M/2437MHz/Ch6



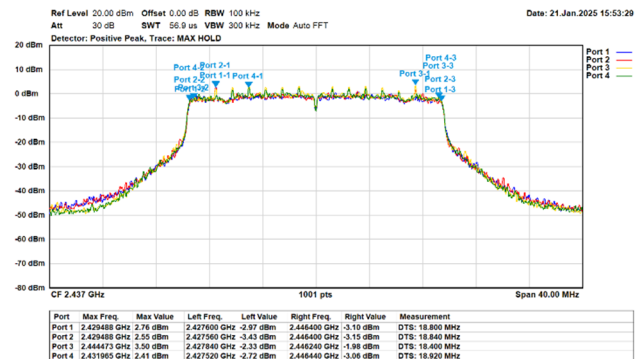
802.11g/20MHz/6M/2462MHz/Ch11



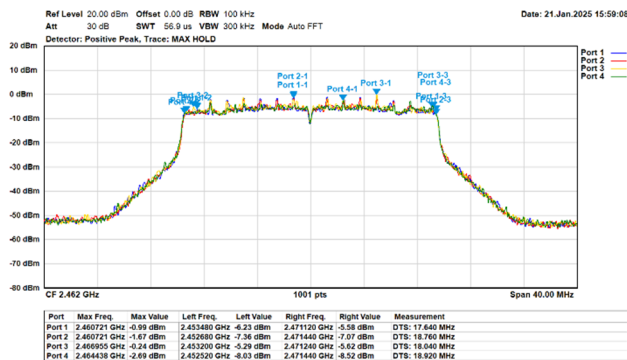
802.11ax/20MHz/MCS0/2412MHz/Ch1



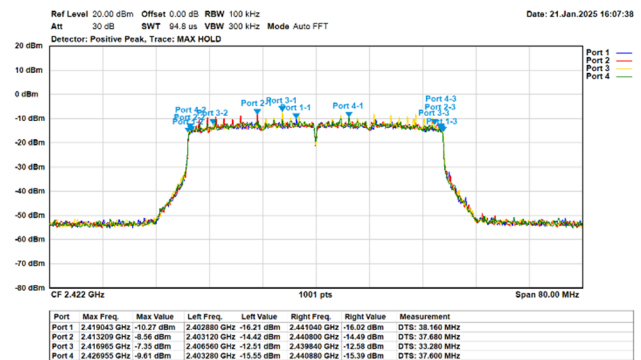
802.11ax/20MHz/MCS0/2437MHz/Ch6



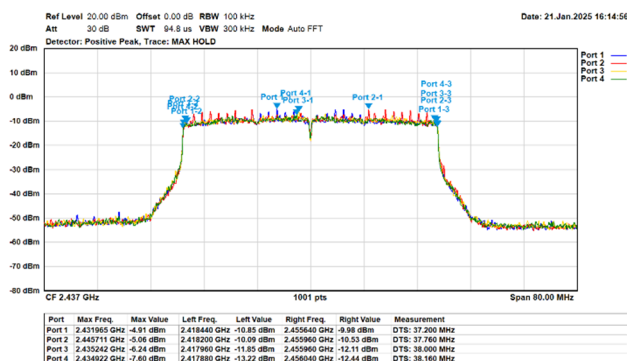
802.11ax/20MHz/MCS0/2462MHz/Ch11



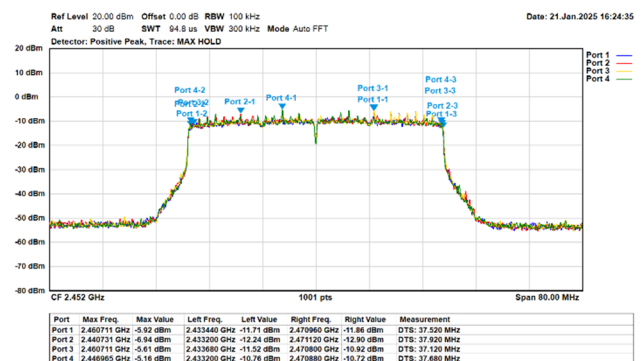
802.11ax/40MHz/MCS0/2422MHz/Ch3



802.11ax/40MHz/MCS0/2437MHz/Ch6



802.11ax/40MHz/MCS0/2452MHz/Ch9



Appendix C. Test Result of Maximum Conducted Output Power

Average

Modulation	Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Result
		Ant. 1	Ant. 2	Ant. 3	Ant. 4	Total		
802.11b (20MHz)	2412	14.57	14.76	14.93	14.84	20.80	25.00	Pass
	2437	13.99	14.28	14.11	14.04	20.13	25.00	Pass
	2462	13.73	13.88	13.86	13.77	19.83	25.00	Pass
802.11g (20MHz)	2412	10.41	10.48	10.77	10.66	16.60	25.00	Pass
	2437	15.58	15.65	15.74	15.58	21.66	25.00	Pass
	2462	11.37	11.57	11.44	11.42	17.47	25.00	Pass
802.11ax (20MHz)	2412	9.82	9.99	10.16	10.11	16.04	25.00	Pass
	2437	15.43	15.59	15.79	15.71	21.65	25.00	Pass
	2462	11.00	11.15	11.05	11.01	17.07	25.00	Pass
802.11ax (40MHz)	2422	6.60	6.69	6.71	6.63	12.68	25.00	Pass
	2437	10.21	10.23	10.38	10.28	16.30	25.00	Pass
	2452	9.65	9.77	9.66	9.60	15.69	25.00	Pass

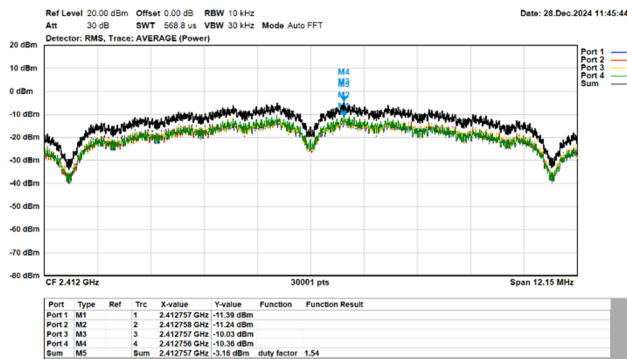
Note: Total Output Power (dBm) = $10 \cdot \log (\text{Ant. 1 (mW)} + \text{Ant. 2 (mW)} + \text{Ant. 3 (mW)} + \text{Ant. 4 (mW)})$.

Appendix D. Test Result of Power Spectral Density

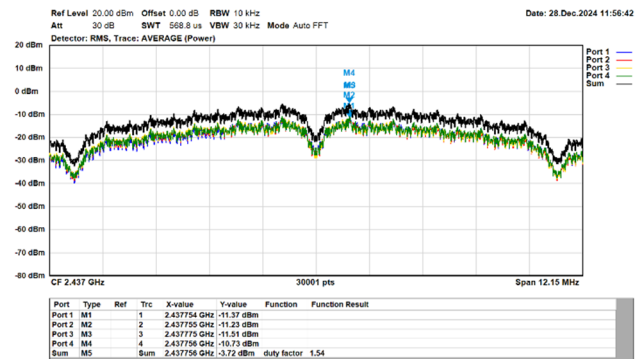
Modulation	Frequency (MHz)	Power Spectral Density (dBm/10kHz)					Limit (dBm/3kHz)	Result
		Ant. 1	Ant. 2	Ant. 3	Ant. 4	Total		
802.11b (20MHz)	2412	-11.39	-11.24	-10.03	-10.36	-3.16	-3.02	Pass
	2437	-11.37	-11.23	-11.51	-10.73	-3.72	-3.02	Pass
	2462	-10.87	-10.65	-10.04	-10.91	-3.05	-3.02	Pass
802.11g (20MHz)	2412	-19.02	-19.08	-19.12	-18.69	-12.87	-3.02	Pass
	2437	-14.60	-14.49	-14.36	-14.24	-8.39	-3.02	Pass
	2462	-18.94	-19.03	-18.57	-18.59	-12.73	-3.02	Pass
802.11ax (20MHz)	2412	-21.51	-21.57	-21.31	-21.09	-15.78	-3.02	Pass
	2437	-16.32	-15.99	-15.67	-15.90	-10.28	-3.02	Pass
	2462	-21.04	-20.84	-20.13	-21.35	-15.32	-3.02	Pass
802.11ax (40MHz)	2422	-27.85	-27.85	-27.58	-26.66	-21.93	-3.02	Pass
	2437	-24.61	-23.84	-24.25	-23.97	-18.69	-3.02	Pass
	2452	-25.11	-25.18	-25.03	-25.00	-19.48	-3.02	Pass

Note: Trace bin-by-bin of each transmits port summing can be performed maximum power density.

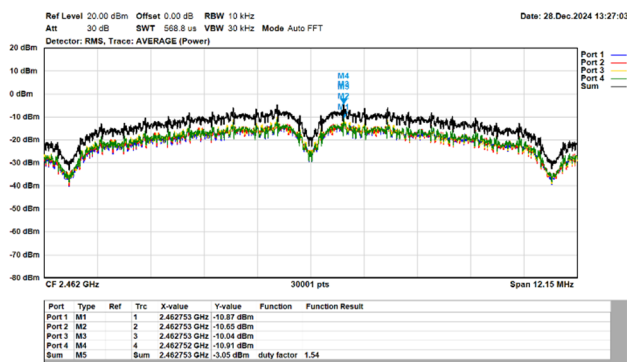
802.11b/20MHz/1M/2412MHz/Ch1



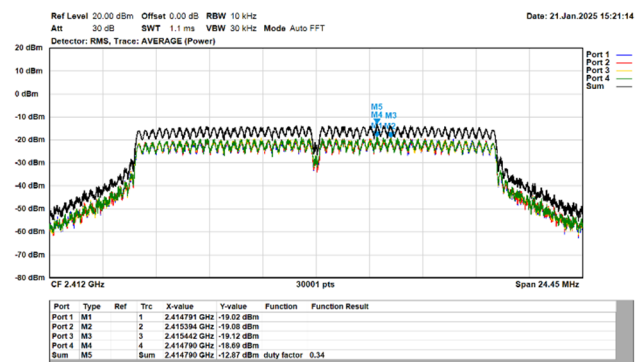
802.11b/20MHz/1M/2437MHz/Ch6



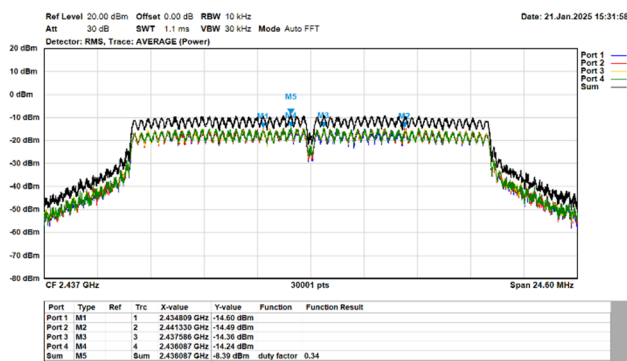
802.11b/20MHz/1M/2462MHz/Ch11



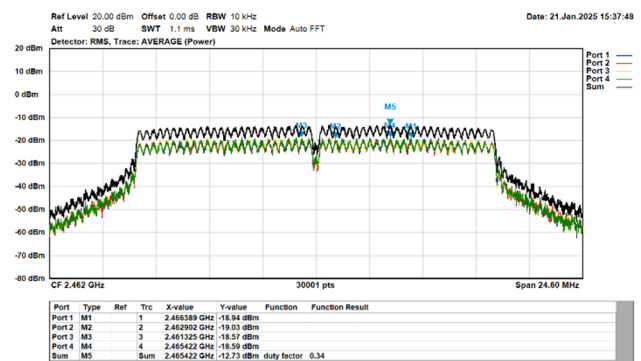
802.11g/20MHz/6M/2412MHz/Ch1



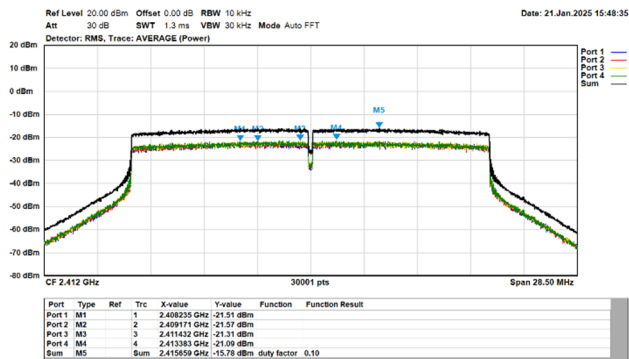
802.11g/20MHz/6M/2437MHz/Ch6



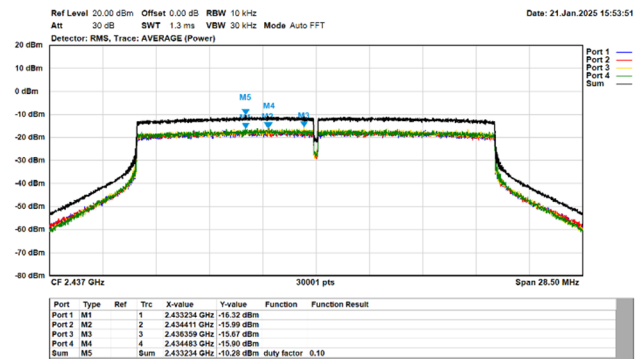
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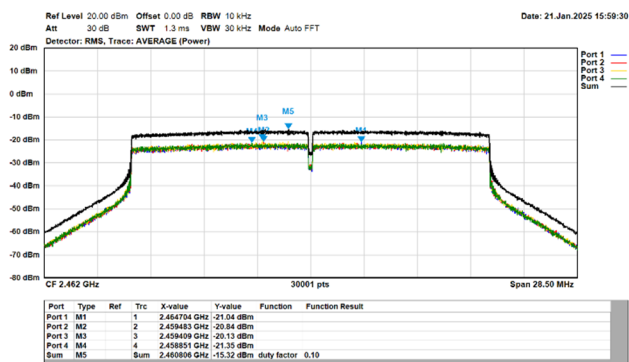
802.11ax/20MHz/MCS0/2412MHz/Ch1



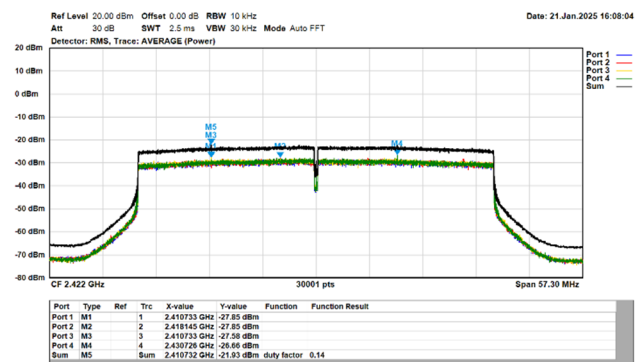
802.11ax/20MHz/MCS0/2437MHz/Ch6



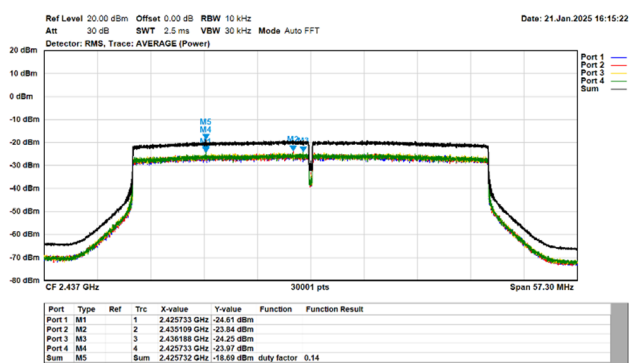
802.11ax/20MHz/MCS0/2462MHz/Ch11



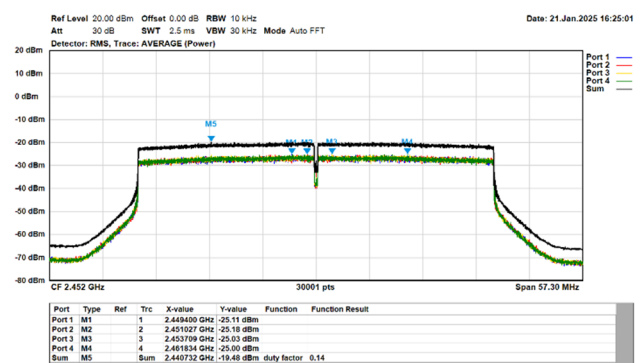
802.11ax/40MHz/MCS0/2422MHz/Ch3



802.11ax/40MHz/MCS0/2437MHz/Ch6



802.11ax/40MHz/MCS0/2452MHz/Ch9



Appendix E. Test Result of Antenna Port Conducted Emission

Modulation	Measurement Level Δ (dB)	Result
802.11b (20MHz)	> 30	PASS
802.11g (20MHz)	> 30	PASS
802.11ax (20MHz)	> 30	PASS
802.11ax (40MHz)	> 30	PASS