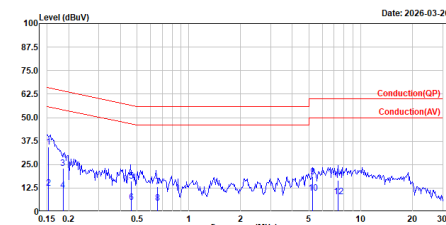
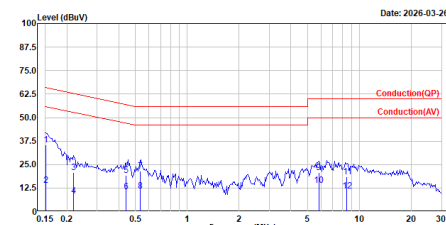


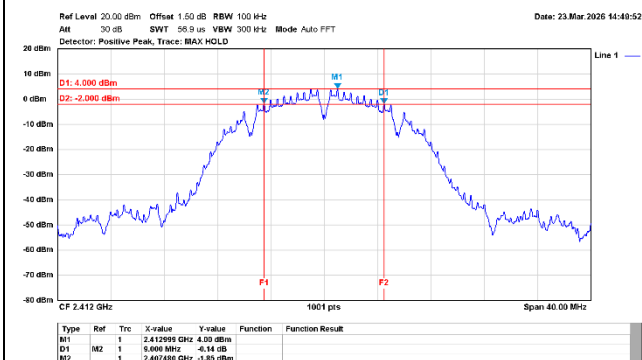
Appendix A. Test Result of AC Power Line Conducted Emission

TX_n20_2437MHz_Line								TX_n20_2437MHz_Neutral							
Site :HY-SR01 Condition :Line Mode :TX_n20_2437MHz test by :Kevin								Site :HY-SR01 Condition :Neutral Mode :TX_n20_2437MHz test by :Kevin							
															
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	0.152	34.38	65.89	-31.51	24.75	9.63	QP	1	0.151	35.61	65.93	-30.32	25.96	9.65	QP
2	0.152	12.53	55.89	-43.36	2.90	9.63	Average	2	0.151	13.90	55.93	-42.03	4.25	9.65	Average
3	0.185	23.18	64.24	-41.06	13.55	9.63	QP	3	0.218	20.70	62.88	-42.18	11.06	9.64	QP
4	0.185	11.37	54.24	-42.87	1.74	9.63	Average	4	0.218	8.47	52.88	-44.41	-1.17	9.64	Average
5	0.463	16.06	56.63	-40.57	6.41	9.65	QP	5	0.443	19.14	57.00	-37.86	9.48	9.66	QP
6	0.463	4.74	46.63	-41.89	-4.91	9.65	Average	6	0.443	10.72	47.00	-36.28	1.86	9.66	Average
7	0.656	13.39	56.00	-42.61	3.72	9.67	QP	7	0.536	21.42	56.00	-34.58	11.76	9.66	QP
8	0.656	4.36	46.00	-41.64	-5.31	9.67	Average	8	0.536	10.95	46.00	-35.05	1.29	9.66	Average
9	5.257	18.35	60.00	-41.65	8.24	10.11	QP	9	5.799	20.92	60.00	-39.08	10.77	10.15	QP
10	5.257	9.98	50.00	-40.02	-0.13	10.11	Average	10	5.799	13.86	50.00	-36.14	3.71	10.15	Average
11	7.400	16.47	60.00	-43.53	6.31	10.16	QP	11	8.469	18.66	60.00	-41.34	8.45	10.21	QP
12	7.400	7.90	50.00	-42.10	-2.26	10.16	Average	12	8.469	10.79	50.00	-39.21	0.58	10.21	Average
Note: 1. Level = Read Level + Factor 2. Factor = LISN insertion loss + Cable loss 3. Over Limit = Level - Limit Line								Note: 1. Level = Read Level + Factor 2. Factor = LISN insertion loss + Cable loss 3. Over Limit = Level - Limit Line							

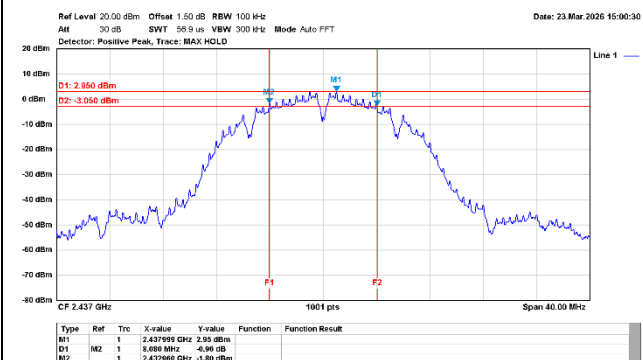
Appendix B. 6 dB Bandwidth

Modulation	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
802.11b (20MHz)	2412	9.00	≥ 0.50	Pass
	2437	8.08	≥ 0.50	Pass
	2462	9.04	≥ 0.50	Pass
802.11g (20MHz)	2412	15.12	≥ 0.50	Pass
	2437	15.12	≥ 0.50	Pass
	2462	15.12	≥ 0.50	Pass
802.11n (20MHz)	2412	15.08	≥ 0.50	Pass
	2437	15.12	≥ 0.50	Pass
	2462	15.04	≥ 0.50	Pass

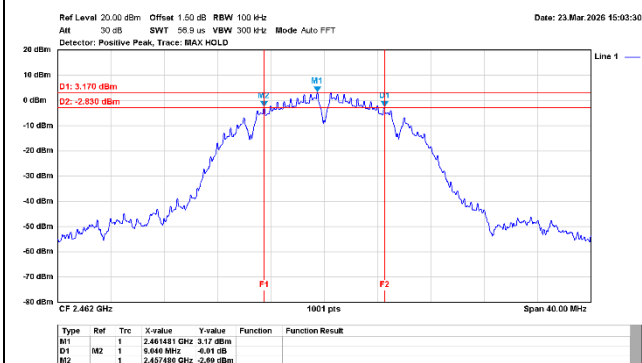
802.11b/20MHz/1M/2412MHz/Ch1/Ant.1



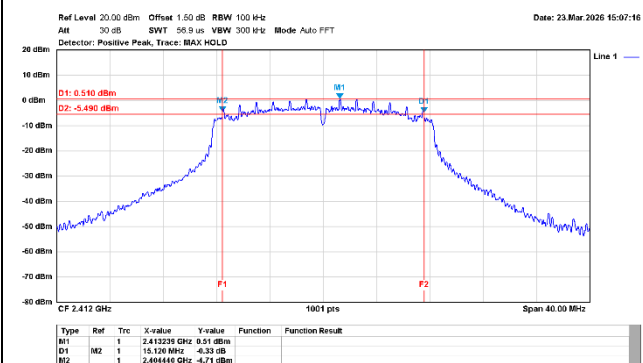
802.11b/20MHz/1M/2437MHz/Ch6/Ant.1



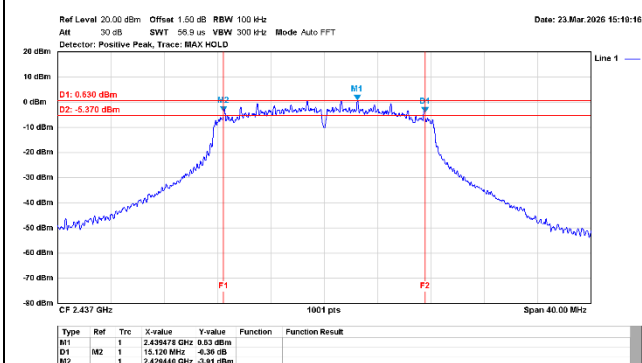
802.11b/20MHz/1M/2462MHz/Ch11/Ant.1



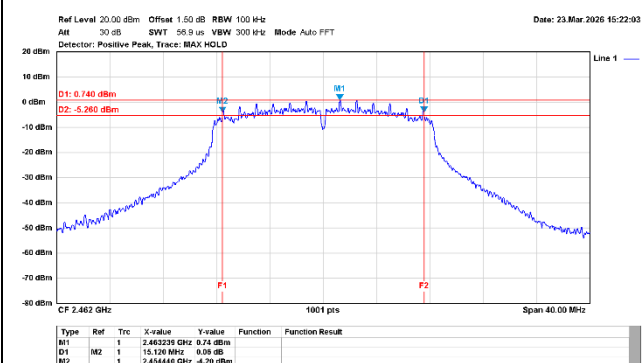
802.11g/20MHz/6M/2412MHz/Ch1/Ant.1

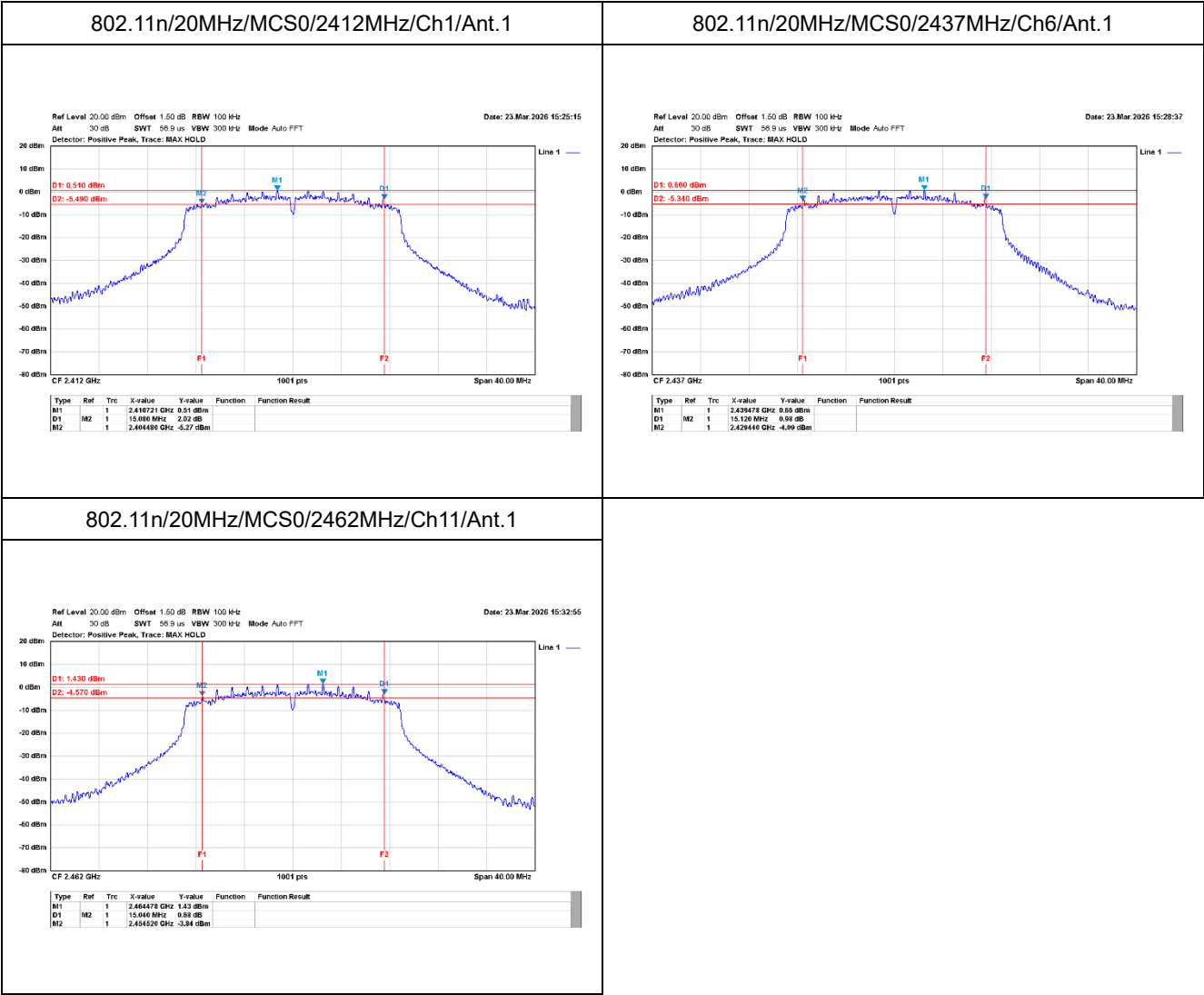


802.11g/20MHz/6M/2437MHz/Ch6/Ant.1



802.11g/20MHz/6M/2462MHz/Ch11/Ant.1





Appendix C. Test Result of Maximum Peak Conducted Output Power

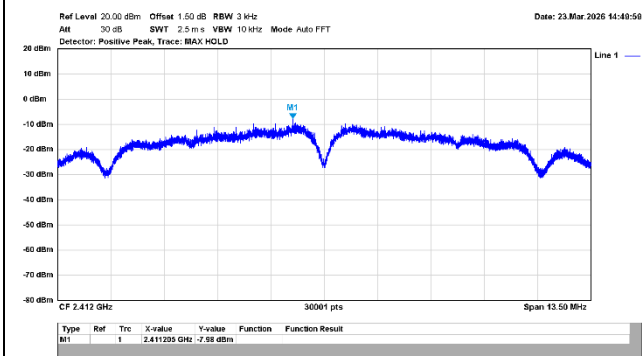
Modulation	Frequency (MHz)	Maximum Conducted Output Power (dBm)	Limit (dBm)	Result
802.11b (20MHz)	2412	12.79	30.00	Pass
	2437	12.98	30.00	Pass
	2462	12.77	30.00	Pass
802.11g (20MHz)	2412	12.79	30.00	Pass
	2437	12.85	30.00	Pass
	2462	12.92	30.00	Pass
802.11n (20MHz)	2412	12.98	30.00	Pass
	2437	13.02	30.00	Pass
	2462	12.81	30.00	Pass

Modulation	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)	Limit (dBm)	Result
802.11b (20MHz)	2412	14.96	30.00	Pass
	2437	15.26	30.00	Pass
	2462	15.07	30.00	Pass
802.11g (20MHz)	2412	14.95	30.00	Pass
	2437	14.99	30.00	Pass
	2462	15.03	30.00	Pass
802.11n (20MHz)	2412	15.05	30.00	Pass
	2437	14.89	30.00	Pass
	2462	14.93	30.00	Pass

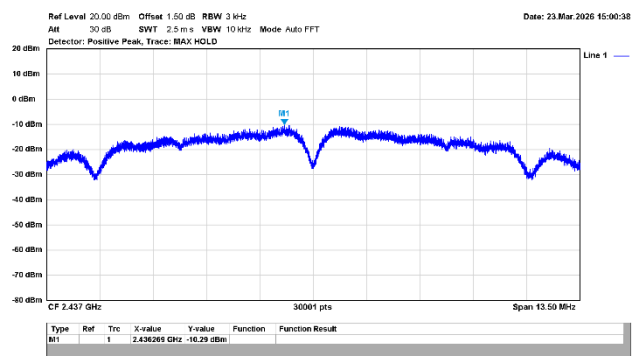
Appendix D. Test Result of Power Spectral Density

Modulation	Frequency (MHz)	Maximum Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
802.11b (20MHz)	2412	-7.98	8.00	Pass
	2437	-10.29	8.00	Pass
	2462	-9.81	8.00	Pass
802.11g (20MHz)	2412	-12.86	8.00	Pass
	2437	-12.17	8.00	Pass
	2462	-12.77	8.00	Pass
802.11n (20MHz)	2412	-12.27	8.00	Pass
	2437	-12.32	8.00	Pass
	2462	-12.08	8.00	Pass

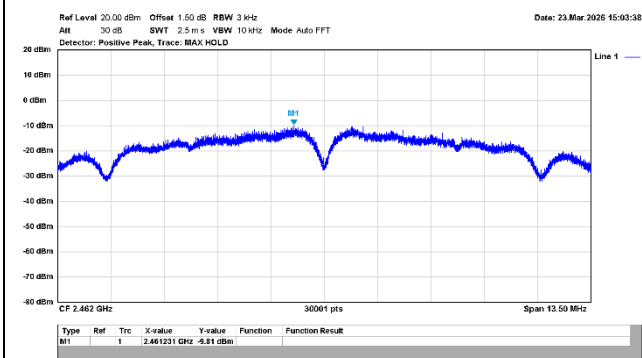
802.11b/20MHz/1M/2412MHz/Ch1/Ant.1



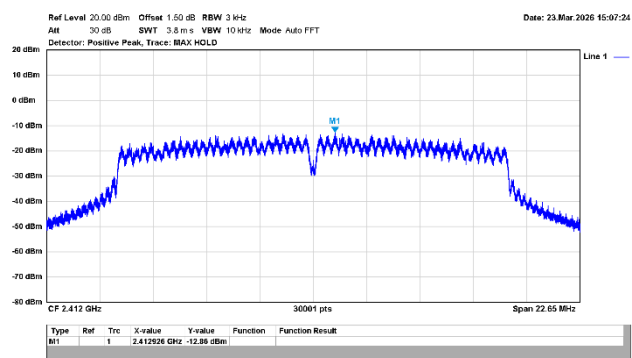
802.11b/20MHz/1M/2437MHz/Ch6/Ant.1



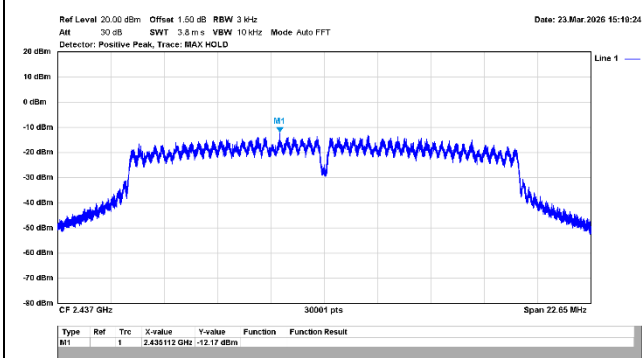
802.11b/20MHz/1M/2462MHz/Ch11/Ant.1



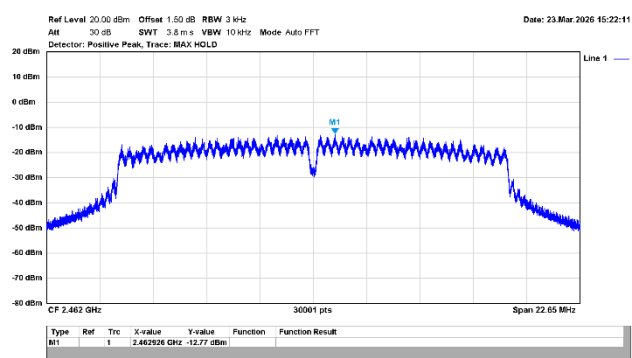
802.11g/20MHz/6M/2412MHz/Ch1/Ant.1

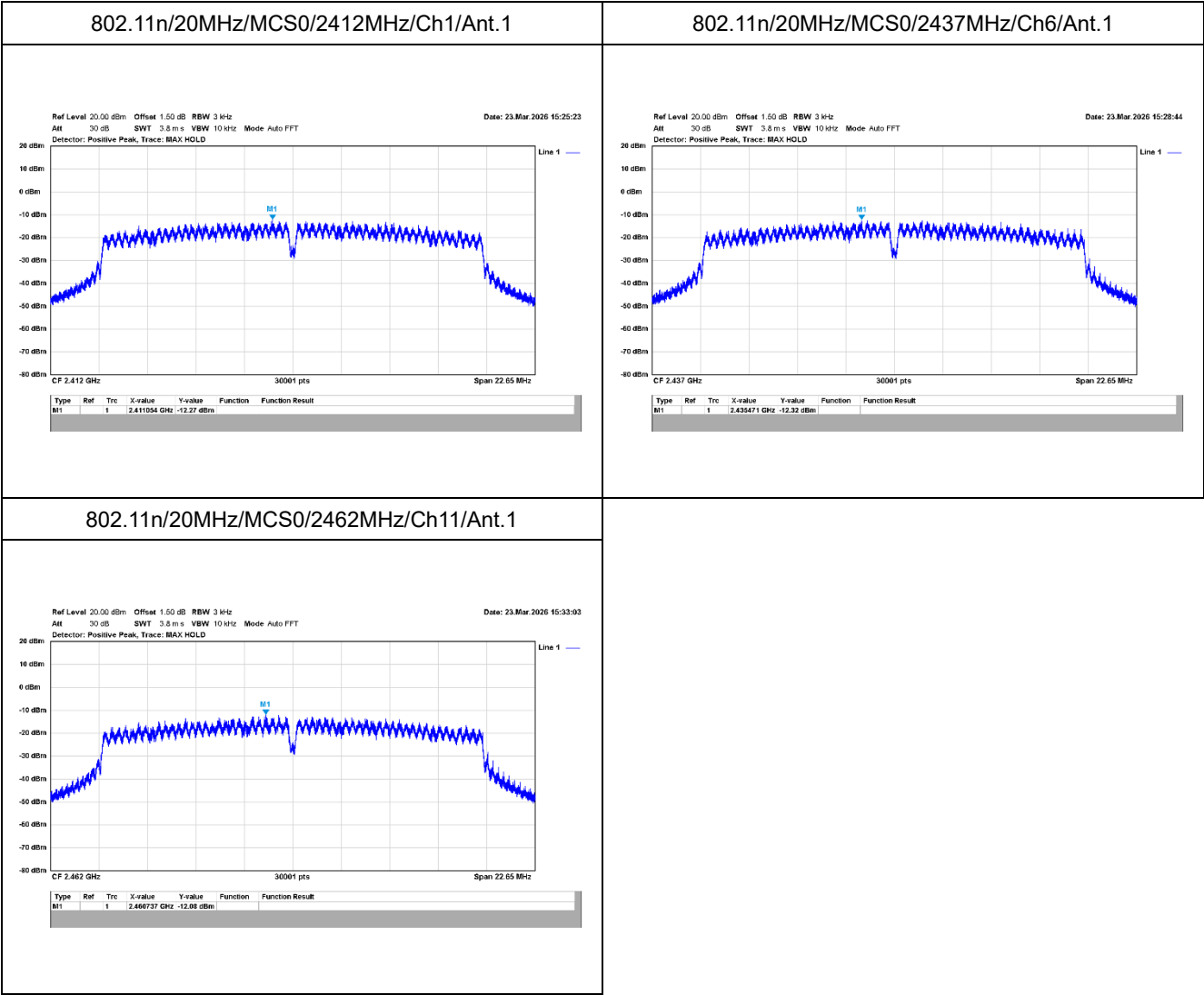


802.11g/20MHz/6M/2437MHz/Ch6/Ant.1



802.11g/20MHz/6M/2462MHz/Ch11/Ant.1

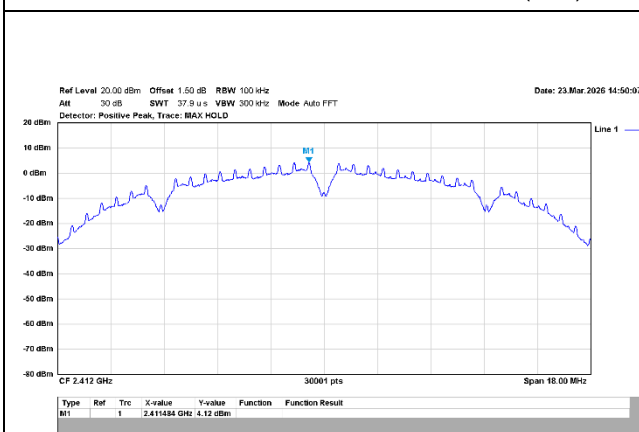




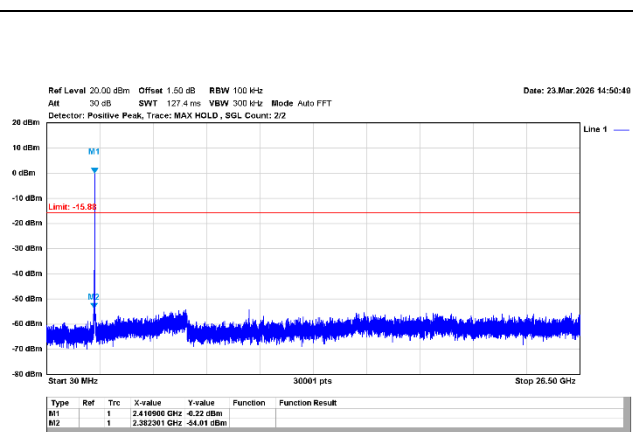
Appendix E. Test Result of Antenna Port Conducted Emission

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

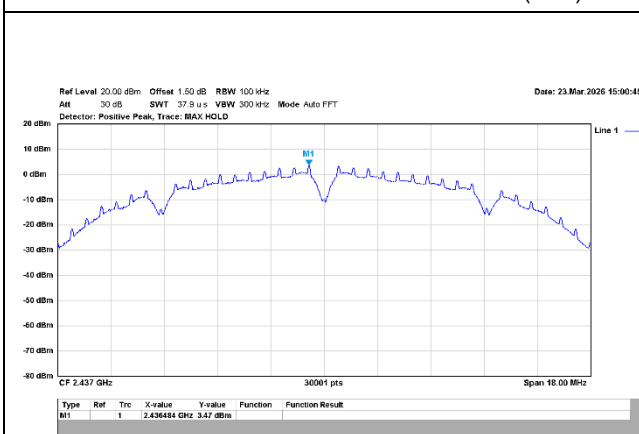
802.11b/20MHz/1M/2412MHz/Ch1/Ant.1 (Ref.)



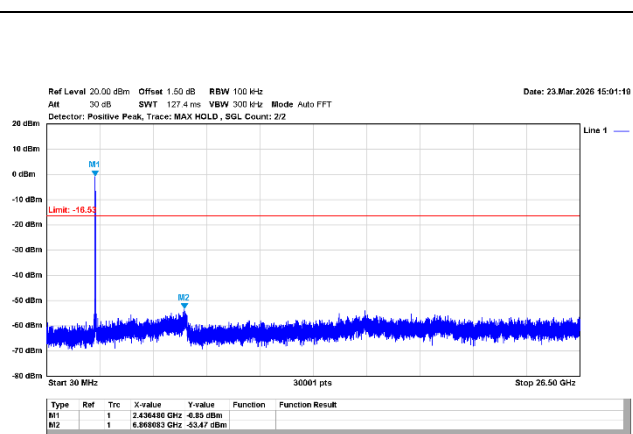
802.11b/20MHz/1M/2412MHz/Ch1/Ant.1



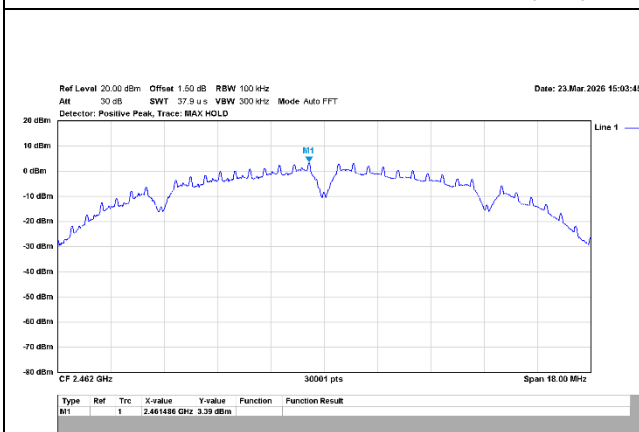
802.11b/20MHz/1M/2437MHz/Ch6/Ant.1 (Ref.)



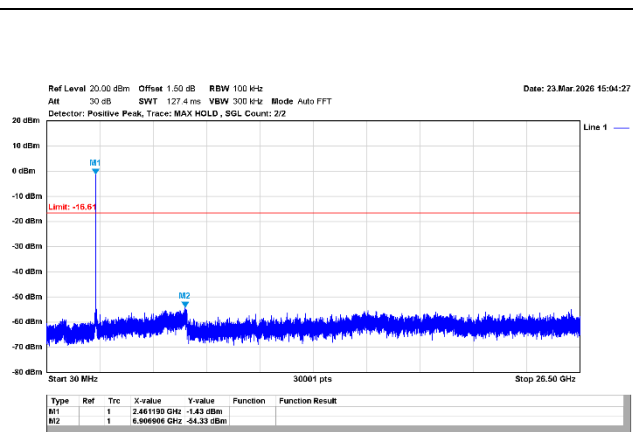
802.11b/20MHz/1M/2437MHz/Ch6/Ant.1



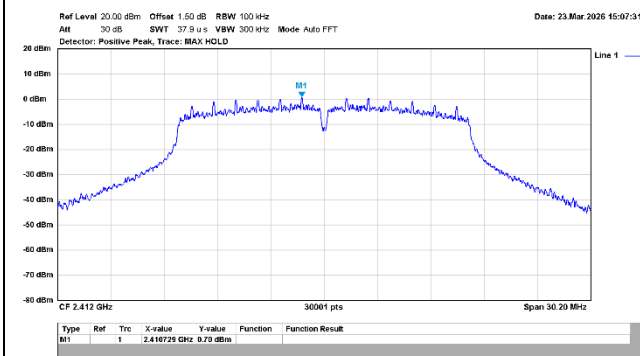
802.11b/20MHz/1M/2462MHz/Ch11/Ant.1 (Ref.)



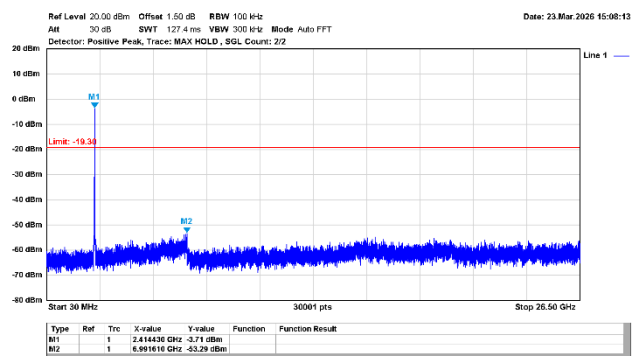
802.11b/20MHz/1M/2462MHz/Ch11/Ant.1



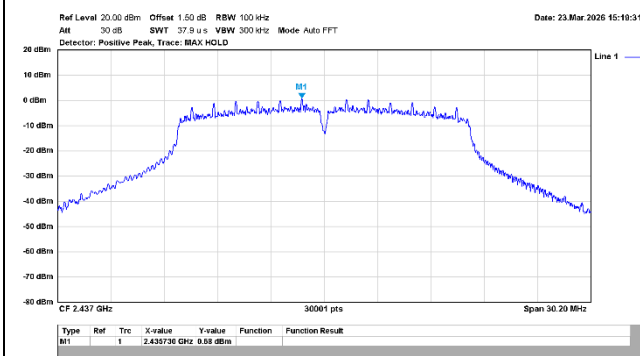
802.11g/20MHz/6M/2412MHz/Ch1/Ant.1 (Ref.)



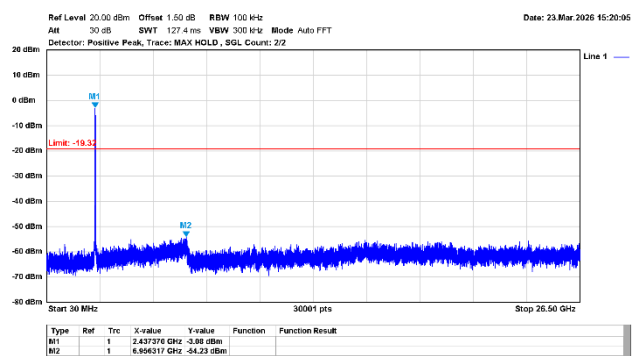
802.11g/20MHz/6M/2412MHz/Ch1/Ant.1



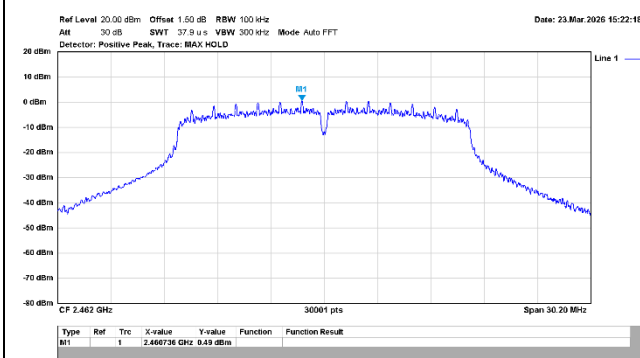
802.11g/20MHz/6M/2437MHz/Ch6/Ant.1 (Ref.)



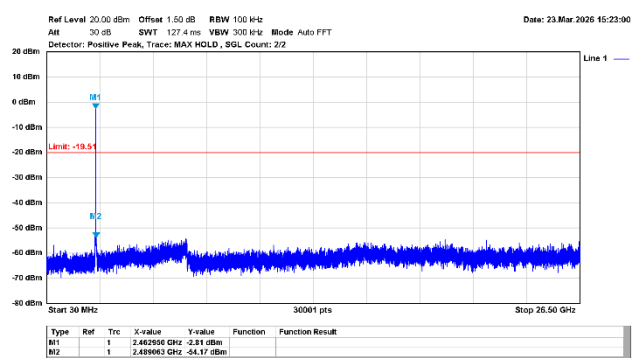
802.11g/20MHz/6M/2437MHz/Ch6/Ant.1



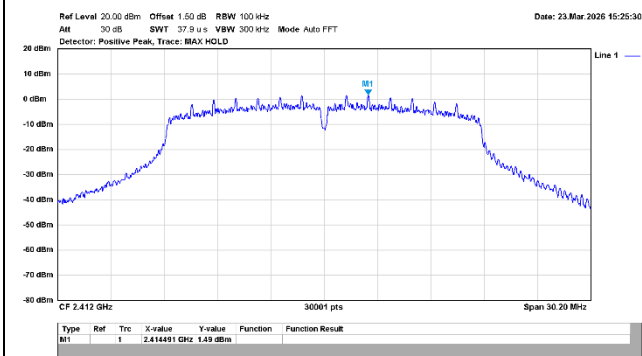
802.11g/20MHz/6M/2462MHz/Ch11/Ant.1 (Ref.)



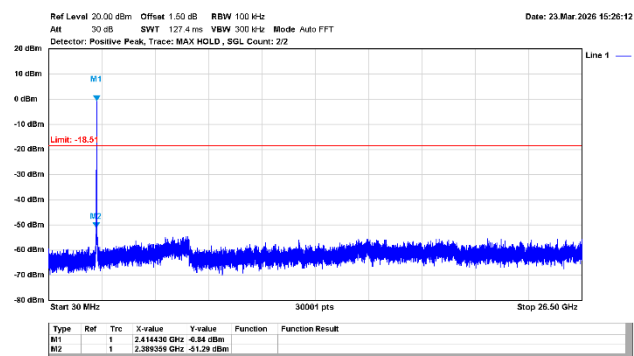
802.11g/20MHz/6M/2462MHz/Ch11/Ant.1



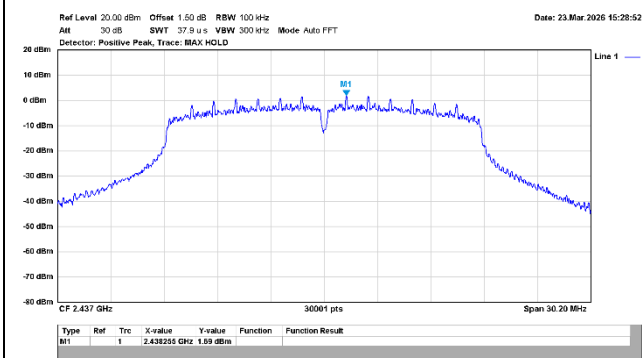
802.11n/20MHz/MCS0/2412MHz/Ch1/Ant.1 (Ref.)



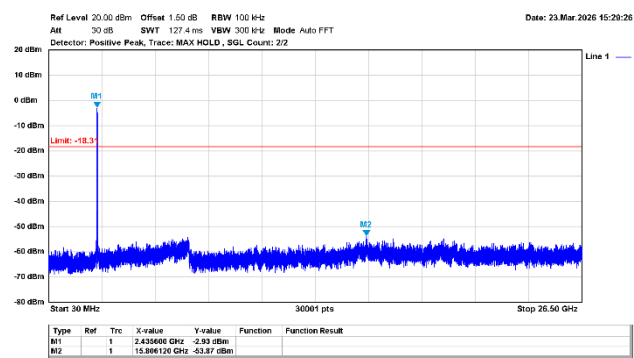
802.11n/20MHz/MCS0/2412MHz/Ch1/Ant.1



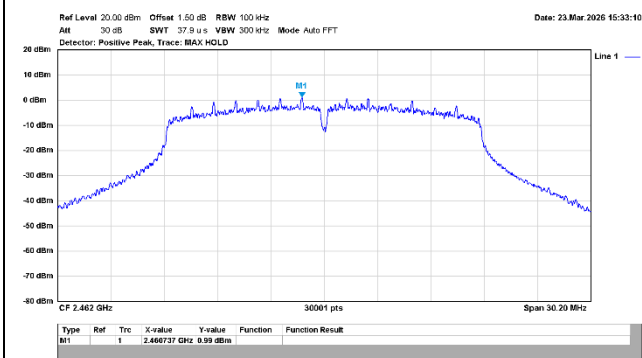
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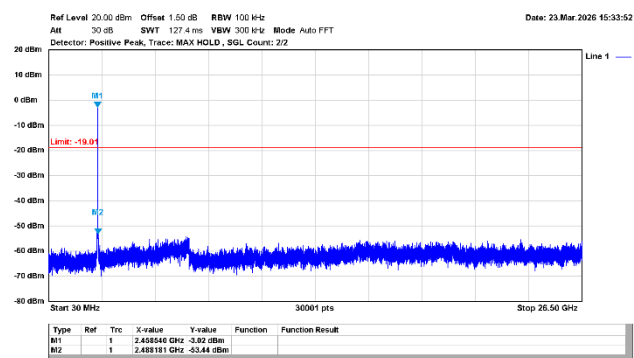
802.11n/20MHz/MCS0/2437MHz/Ch6/Ant.1



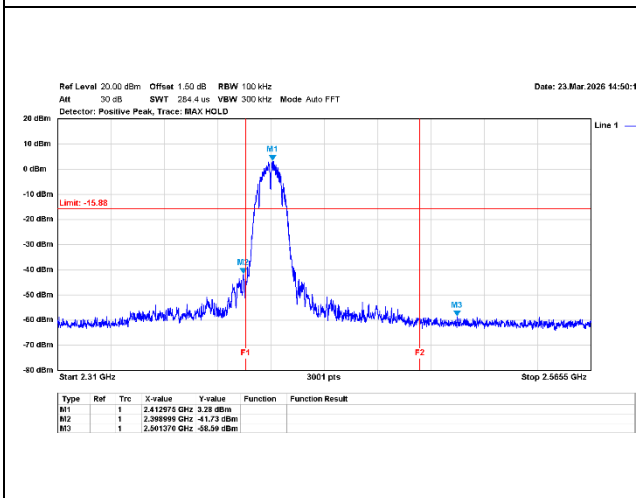
802.11n/20MHz/MCS0/2462MHz/Ch11/Ant.1 (Ref.)



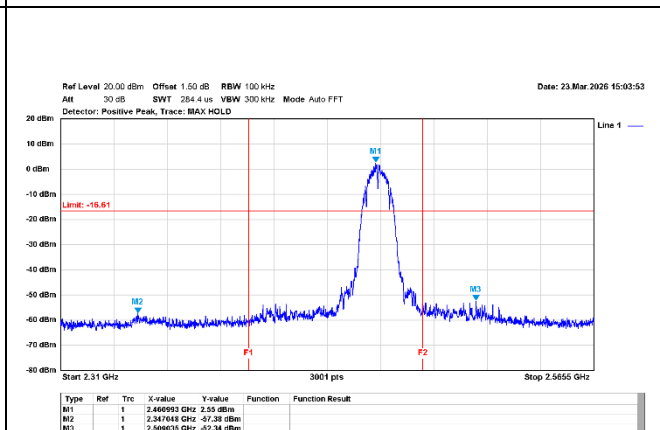
802.11n/20MHz/MCS0/2462MHz/Ch11/Ant.1



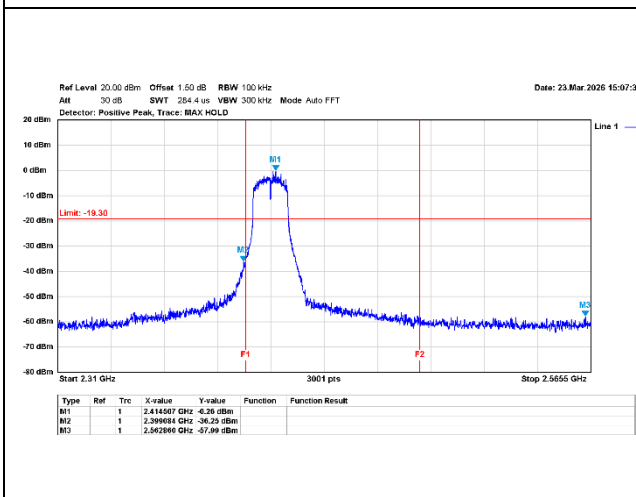
802.11b/20MHz/1M/2412MHz/Ch1/Ant.1(Band Edge)



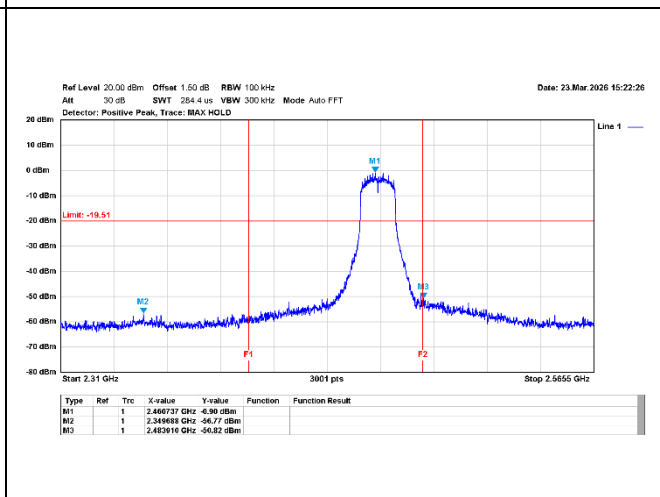
802.11b/20MHz/1M/2462MHz/Ch11/Ant.1(Band Edge)



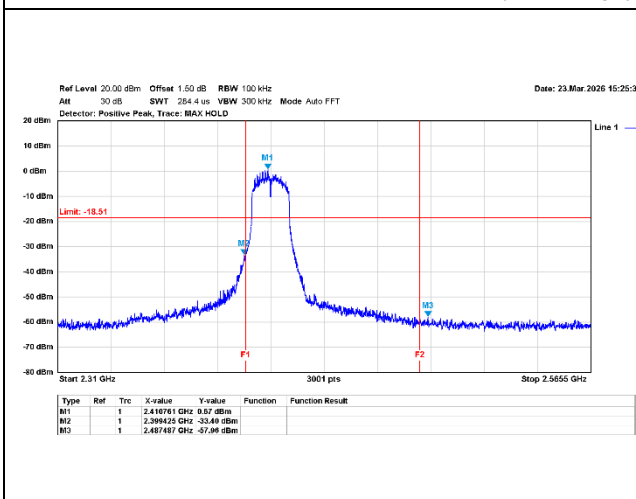
802.11g/20MHz/6M/2412MHz/Ch1/Ant.1(Band Edge)



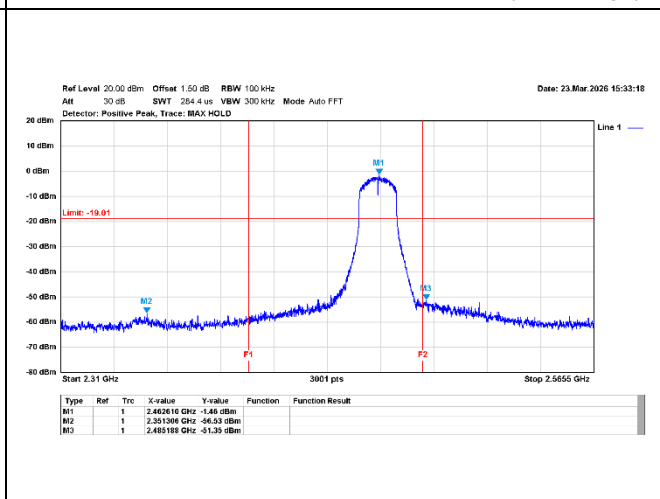
802.11g/20MHz/6M/2462MHz/Ch11/Ant.1(Band Edge)



802.11n/20MHz/MCS0/2412MHz/Ch1/Ant.1(Band Edge)

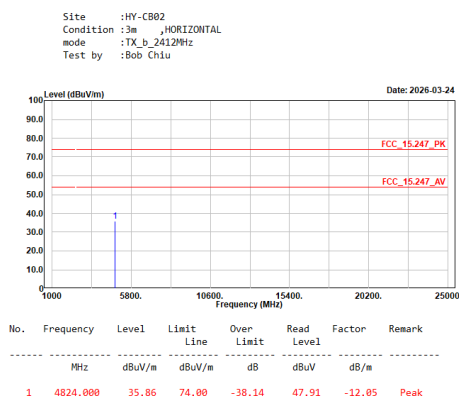


802.11n/20MHz/MCS0/2462MHz/Ch11/Ant.1(Band Edge)



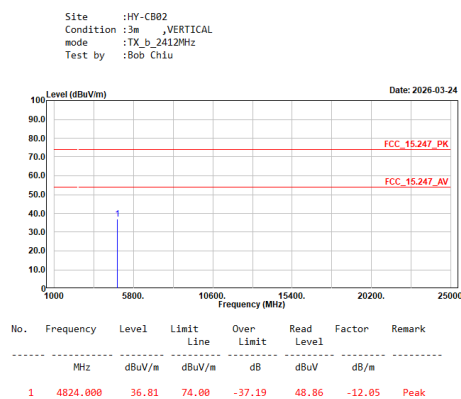
Appendix F. Test Result of Radiated Emission

TX_b_2412MHz_H



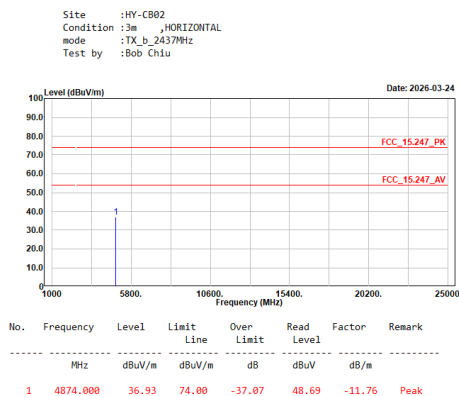
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

TX_b_2412MHz_V



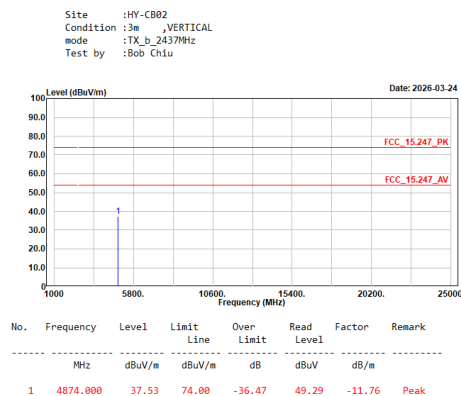
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

TX_b_2437MHz_H



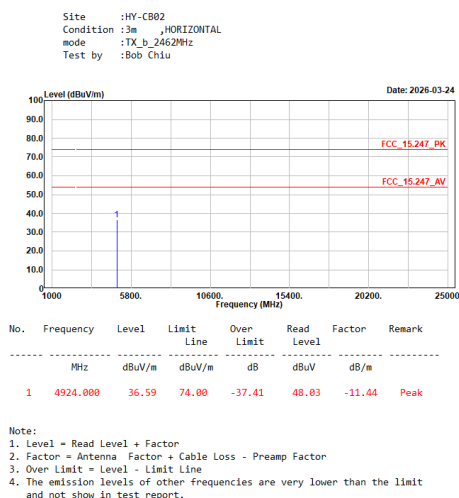
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

TX_b_2437MHz_V

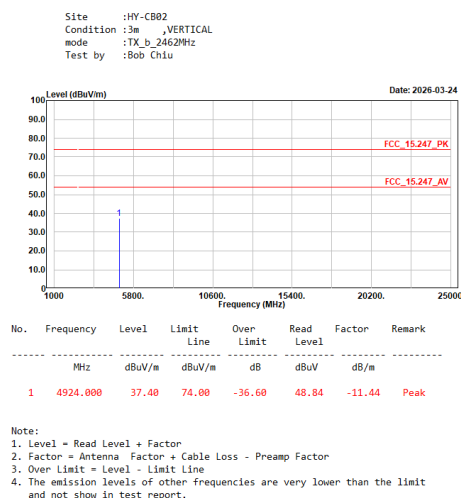


Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

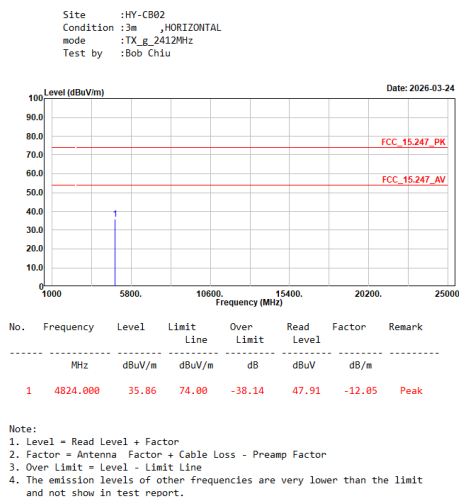
TX_b_2462MHz_H



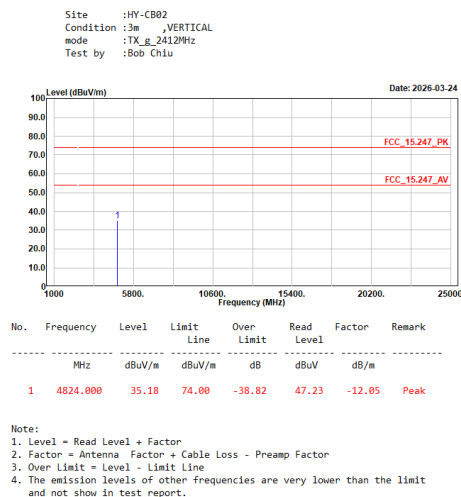
TX_b_2462MHz_V



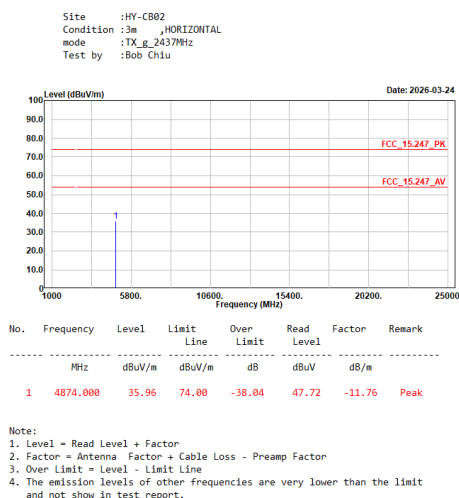
TX_g_2412MHz_H



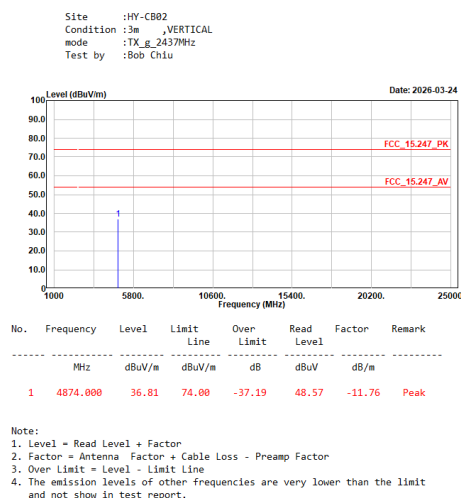
TX_g_2412MHz_V



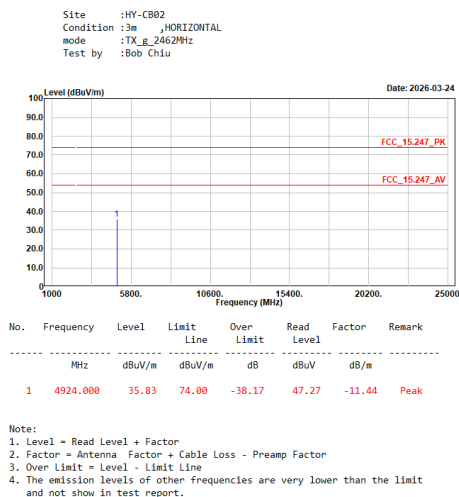
TX_g_2437MHz_H



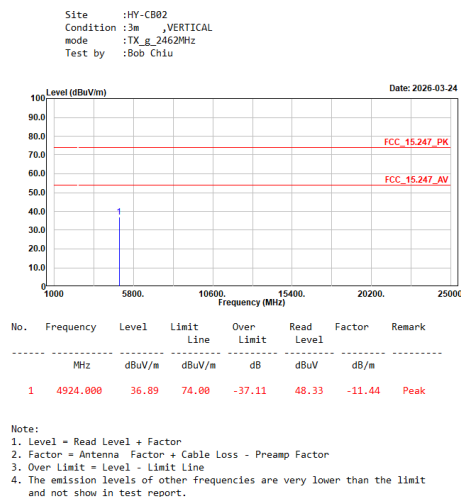
TX_g_2437MHz_V



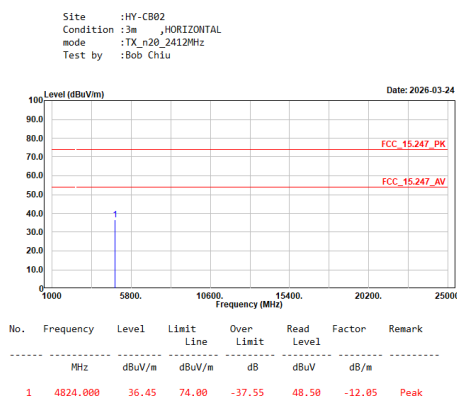
TX_g_2462MHz_H



TX_g_2462MHz_V

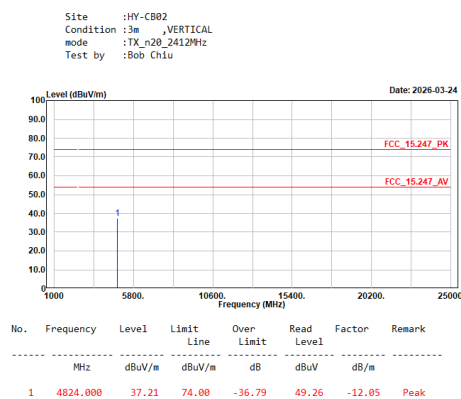


TX_n20_2412MHz_H



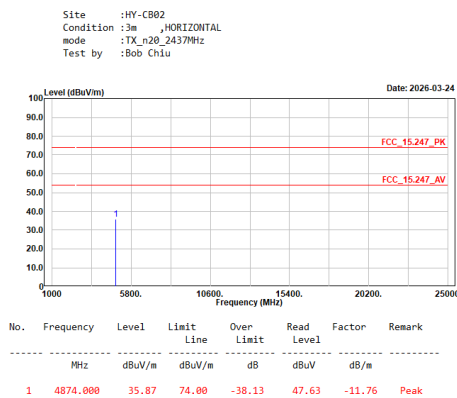
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

TX_n20_2412MHz_V



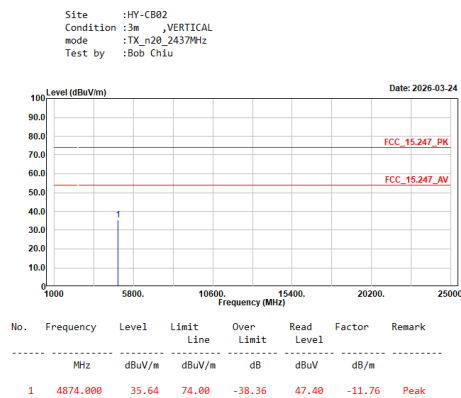
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

TX_n20_2437MHz_H



Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

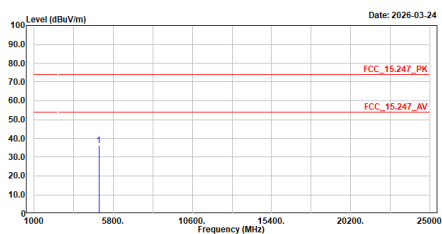
TX_n20_2437MHz_V



Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

TX_n20_2462MHz_H

Site :HY-CB02
Condition :3m ,HORIZONTAL
mode :TX_n20_2462MHz
Test by :Bob Chiu



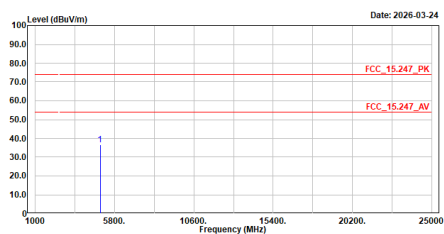
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	dB/m
1	4924.000	36.37	74.00	-37.63	47.81	-11.44	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

TX_n20_2462MHz_V

Site :HY-CB02
Condition :3m ,VERTICAL
mode :TX_n20_2462MHz
Test by :Bob Chiu

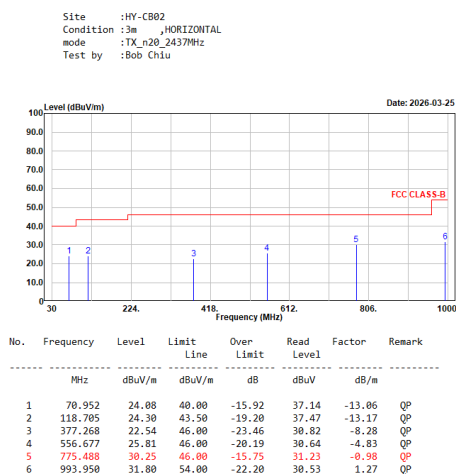


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB	dB/m
1	4924.000	36.71	74.00	-37.29	48.15	-11.44	Peak

Note:

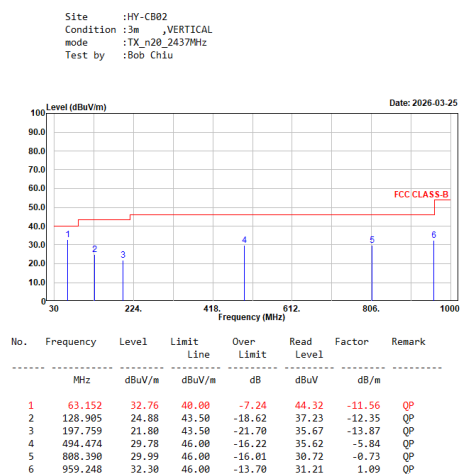
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

TX_n20_2437MHz_H_QP



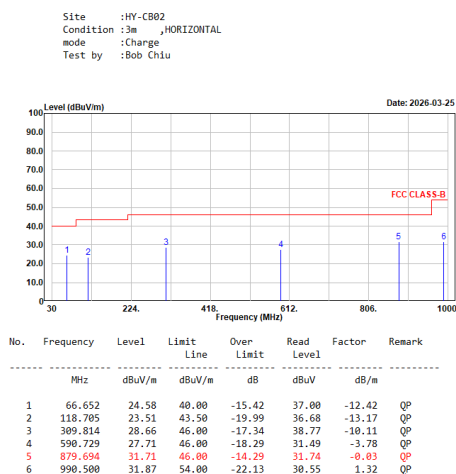
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

TX_n20_2437MHz_V_QP



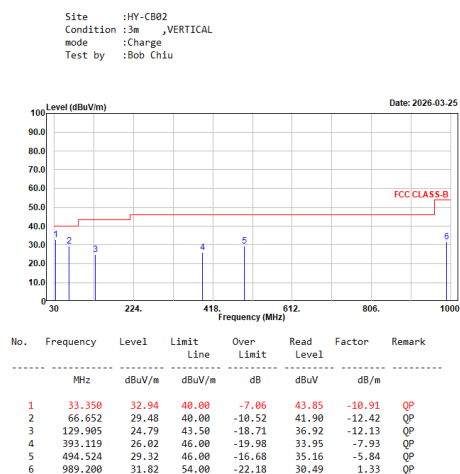
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

Charge_H_QP



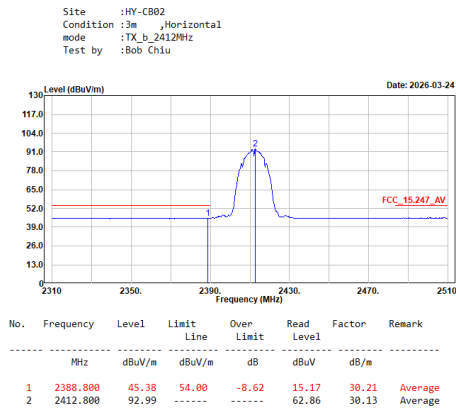
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

Charge_V_QP



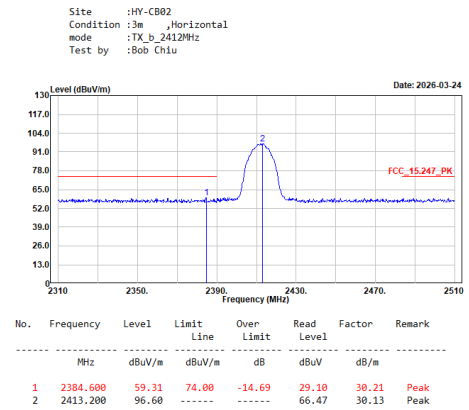
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

TX_b_2412MHz_H_Average



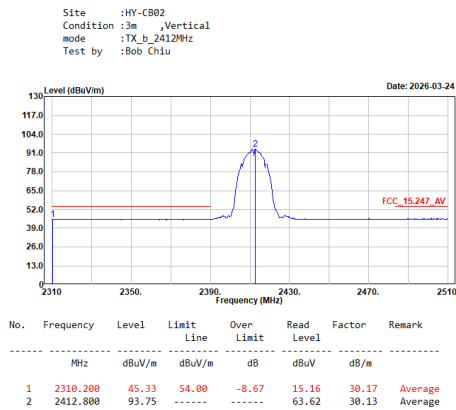
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

TX_b_2412MHz_H_Peak



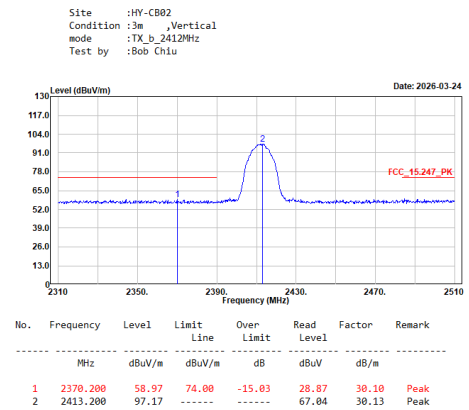
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

TX_b_2412MHz_V_Average



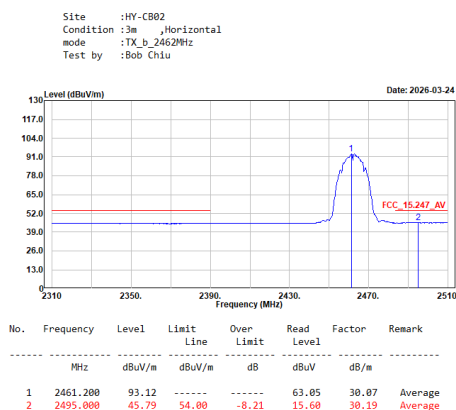
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

TX_b_2412MHz_V_Peak



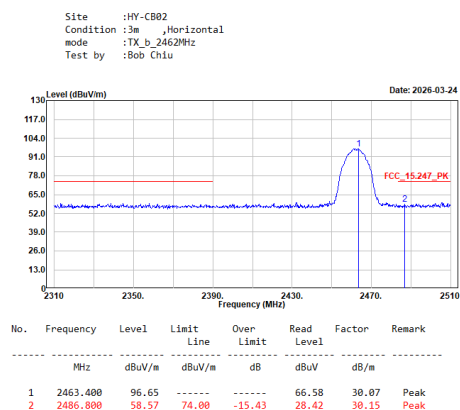
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

TX_b_2462MHz_H_Average



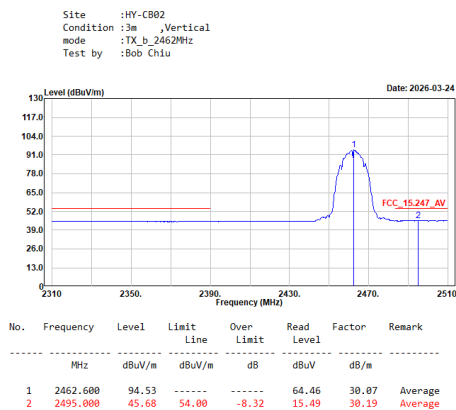
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

TX_b_2462MHz_H_Peak



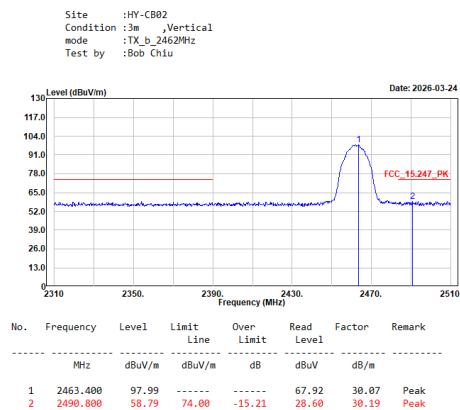
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

TX_b_2462MHz_V_Average



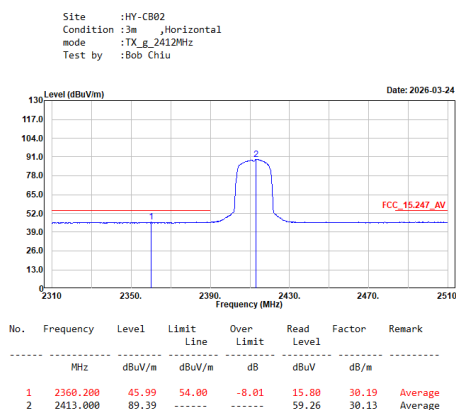
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

TX_b_2462MHz_V_Peak



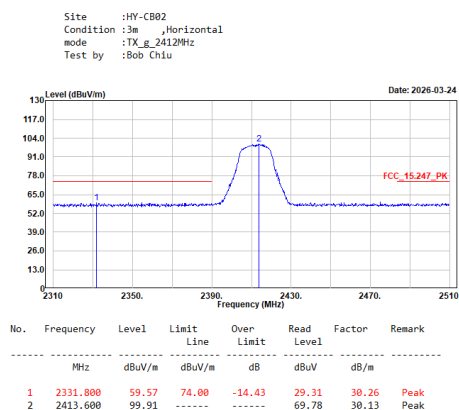
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

TX_g_2412MHz_H_Average



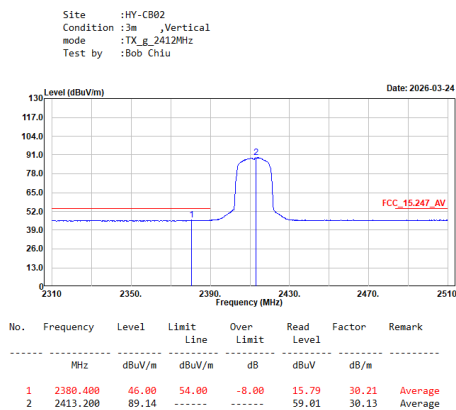
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

TX_g_2412MHz_H_Peak



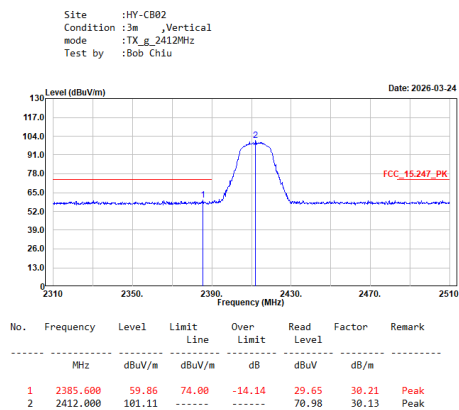
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

TX_g_2412MHz_V_Average



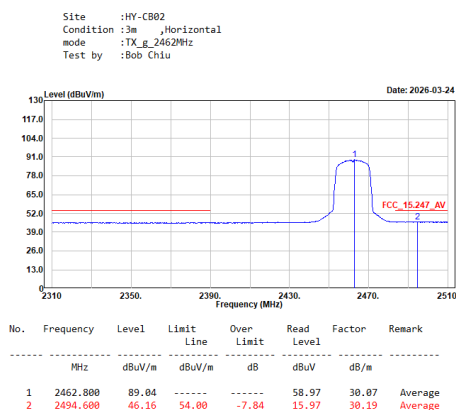
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

TX_g_2412MHz_V_Peak



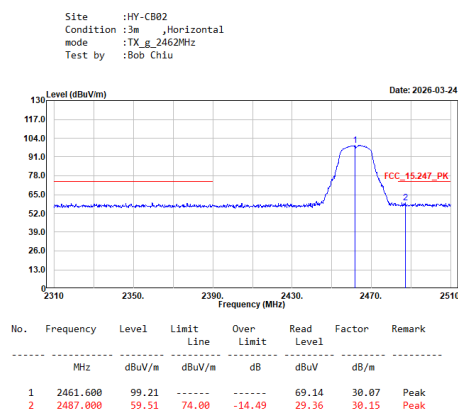
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

TX_g_2462MHz_H_Average



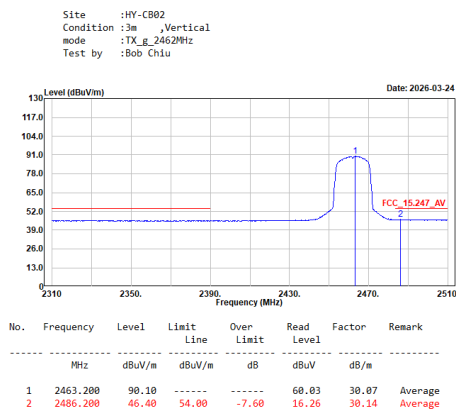
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

TX_g_2462MHz_H_Peak



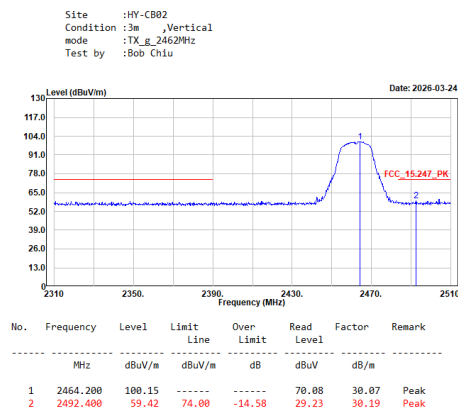
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

TX_g_2462MHz_V_Average



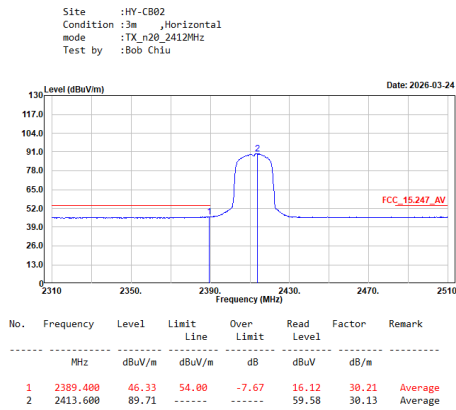
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

TX_g_2462MHz_V_Peak



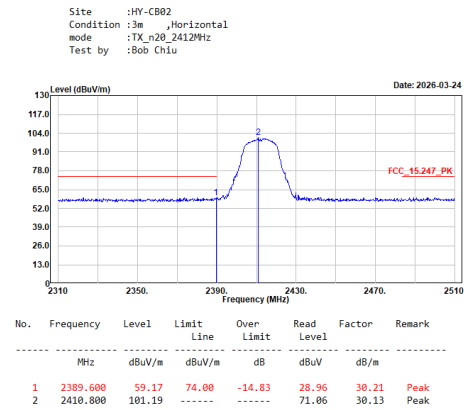
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

TX_n20_2412MHz_H_Average



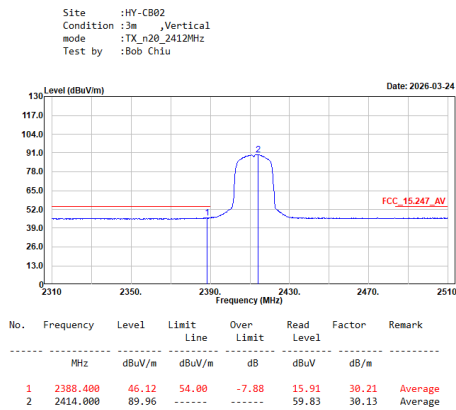
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

TX_n20_2412MHz_H_Peak



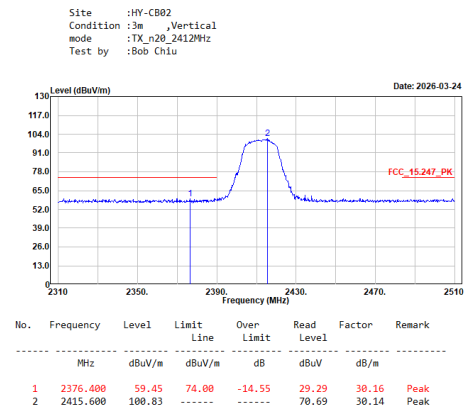
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

TX_n20_2412MHz_V_Average



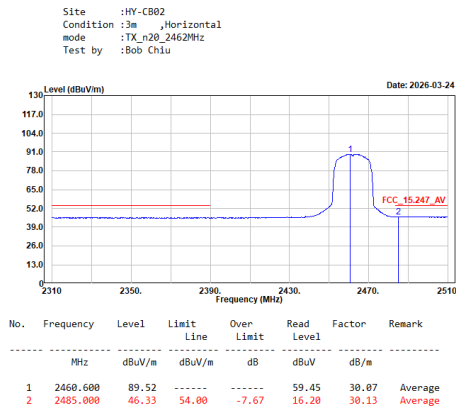
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

TX_n20_2412MHz_V_Peak



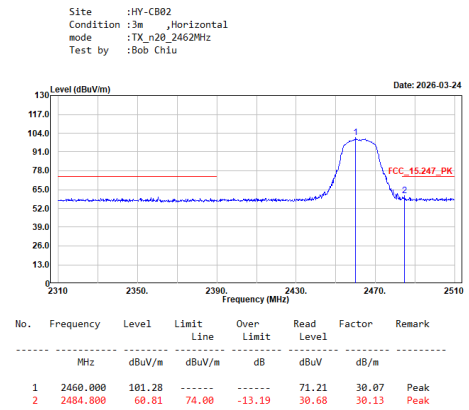
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

TX_n20_2462MHz_H_Average



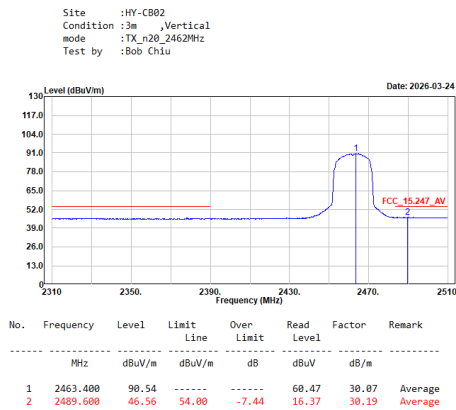
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

TX_n20_2462MHz_H_Peak



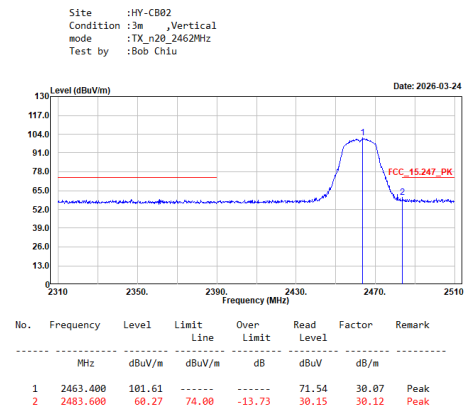
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

TX_n20_2462MHz_V_Average



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