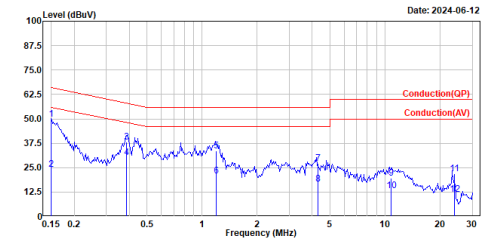


Appendix A. Test Result of AC Power Line Conducted Emission

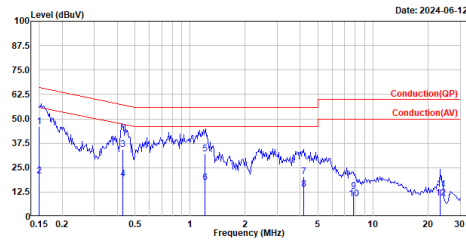
Site :HY-SR01
Condition :Line
Mode :TX_bt3M_2441MHz
test by :Neko



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	
1	0.150	49.85	65.97	-16.12	40.17	9.68	QP
2	0.150	24.23	55.97	-31.74	14.55	9.68	Average
3	0.385	38.06	58.17	-20.11	28.38	9.68	QP
4	0.385	30.04	48.17	-18.13	20.36	9.68	Average
5	1.200	33.42	56.00	-22.58	23.68	9.74	QP
6	1.200	20.67	46.00	-25.33	10.93	9.74	Average
7	4.286	27.21	56.00	-28.79	16.62	10.59	QP
8	4.286	16.77	46.00	-29.23	6.18	10.59	Average
9	10.793	19.79	60.00	-40.21	9.00	10.79	QP
10	10.793	13.35	50.00	-36.65	2.56	10.79	Average
11	23.845	21.92	60.00	-38.08	11.34	10.58	QP
12	23.845	11.25	50.00	-38.75	0.67	10.58	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_bt3M_2441MHz
test by :Neko

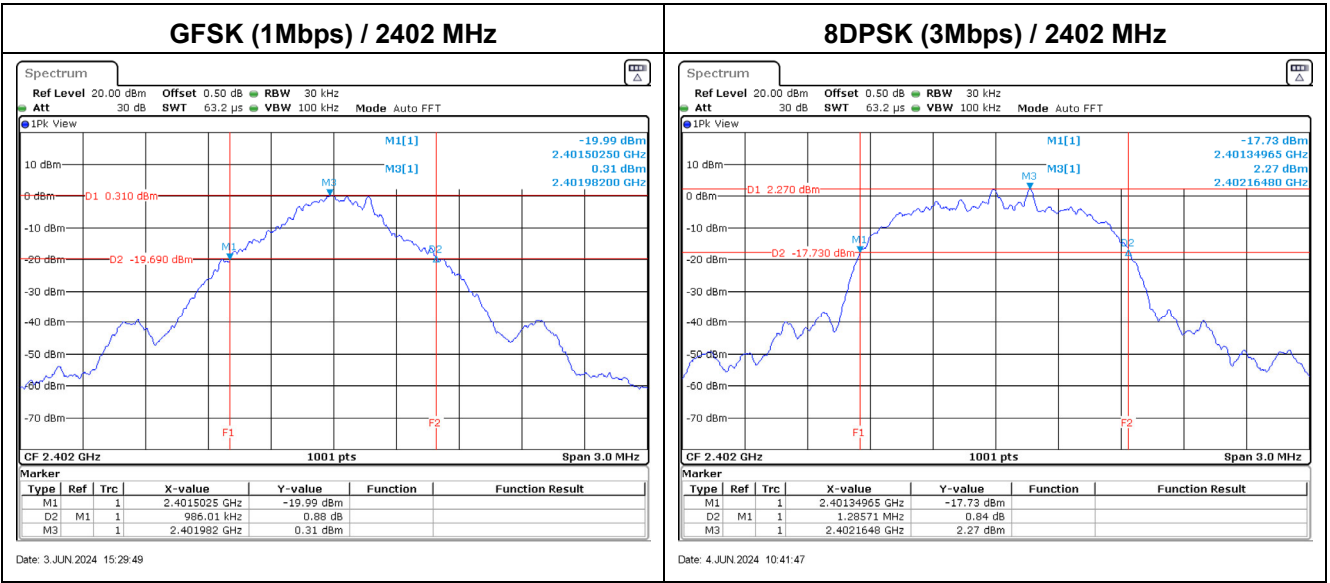


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	
1	0.150	45.98	66.00	-20.02	36.32	9.66	QP
2	0.150	20.76	56.00	-35.24	11.10	9.66	Average
3	0.429	34.16	57.28	-23.12	24.50	9.66	QP
4	0.429	19.32	47.28	-27.96	9.66	9.66	Average
5	1.208	31.96	56.00	-24.04	22.24	9.72	QP
6	1.208	17.52	46.00	-28.48	7.80	9.72	Average
7	4.171	20.36	56.00	-35.64	9.83	10.53	QP
8	4.171	13.80	46.00	-32.20	3.27	10.53	Average
9	7.835	12.77	60.00	-47.23	1.96	10.81	QP
10	7.835	9.05	50.00	-40.95	-1.76	10.81	Average
11	23.337	13.88	60.00	-46.12	3.16	10.72	QP
12	23.337	9.28	50.00	-40.72	-1.44	10.72	Average

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

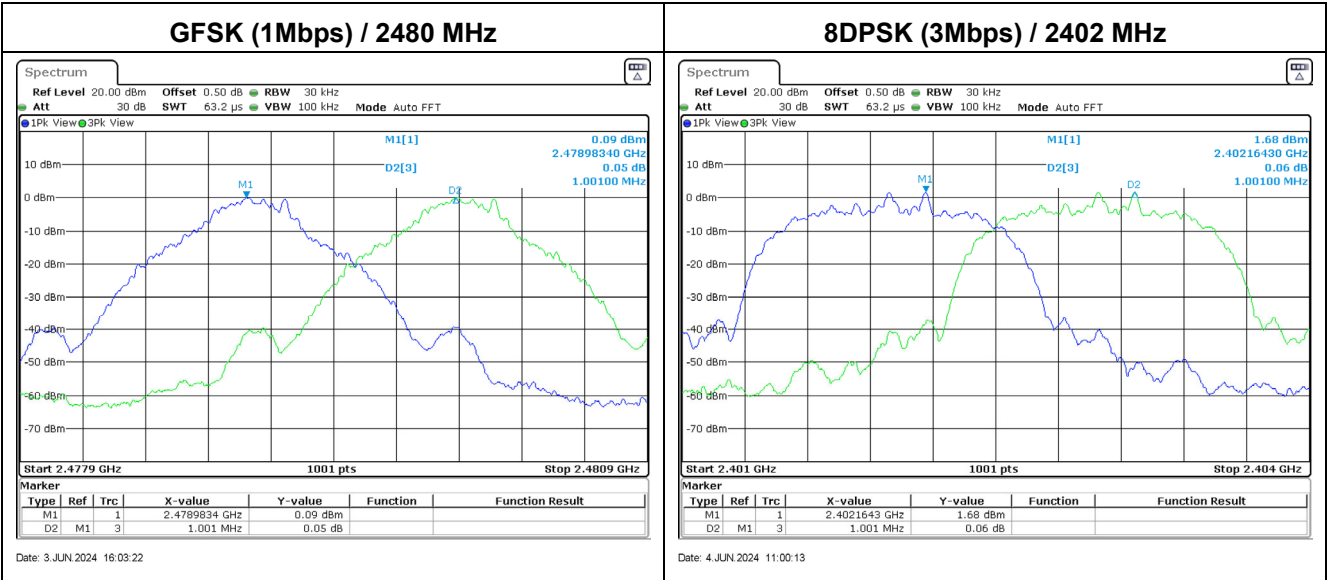
Appendix B. Test Result of 20dB Bandwidth

Modulation	Frequency (MHz)	Measure Level (kHz)	Limit (kHz)
GFSK	2402	986	-
	2441	986	-
	2480	986	-
8DPSK	2402	1286	-
	2441	1286	-
	2480	1289	-



Appendix C. Test Result of Carrier Frequency Separation

Modulation	Frequency (MHz)	Measure Level (MHz)	Limit (kHz)	Limit of (2/3)*20dB Bandwidth (kHz)	Result
GFSK	2402	998	>25	657.3	Pass
	2441	998	>25	657.3	Pass
	2480	1001	>25	657.3	Pass
8DPSK	2402	1001	>25	857.1	Pass
	2441	1001	>25	857.1	Pass
	2480	1001	>25	859.1	Pass

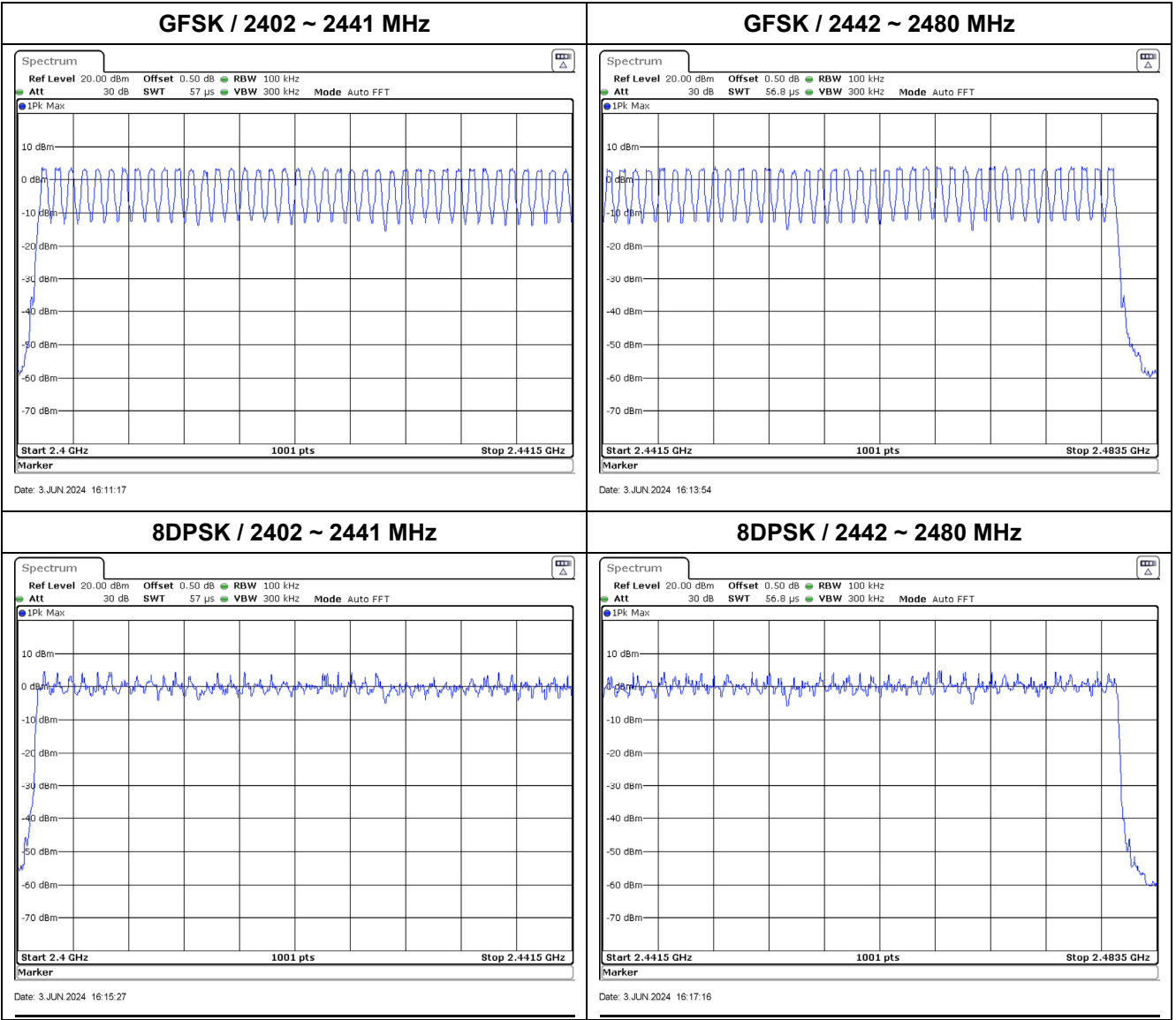


Appendix D. Test Result of Maximum Conducted Output Power

Modulation	Frequency (MHz)	Maximum Conducted Peak Output Power (dBm)	Limit (dBm)	Result
GFSK	2402	4.58	21.00	Pass
	2441	4.25	21.00	Pass
	2480	5.10	21.00	Pass
8DPSK	2402	7.82	21.00	Pass
	2441	7.72	21.00	Pass
	2480	8.42	21.00	Pass

Appendix E. Test Result of Number of Hopping Frequency

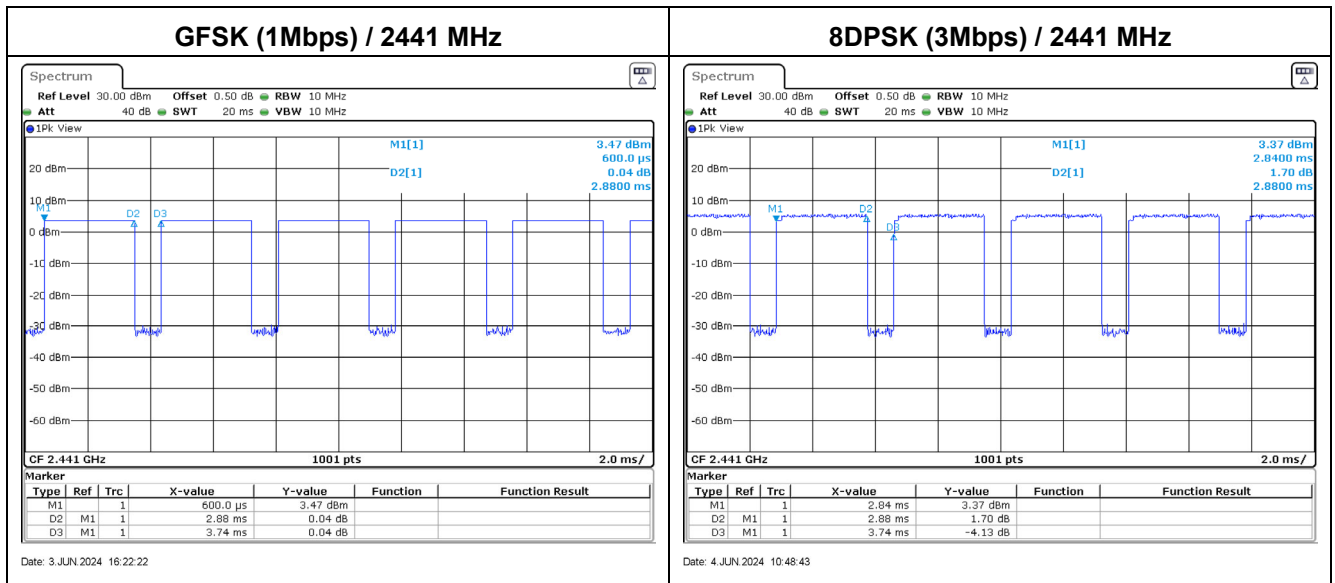
Modulation	Frequency Range (MHz)	Measure Level (Channels)	Limit (Channels)	Result
GFSK	2402 ~ 2480	79	≥ 15	Pass
8DPSK	2402 ~ 2480	79	≥ 15	Pass



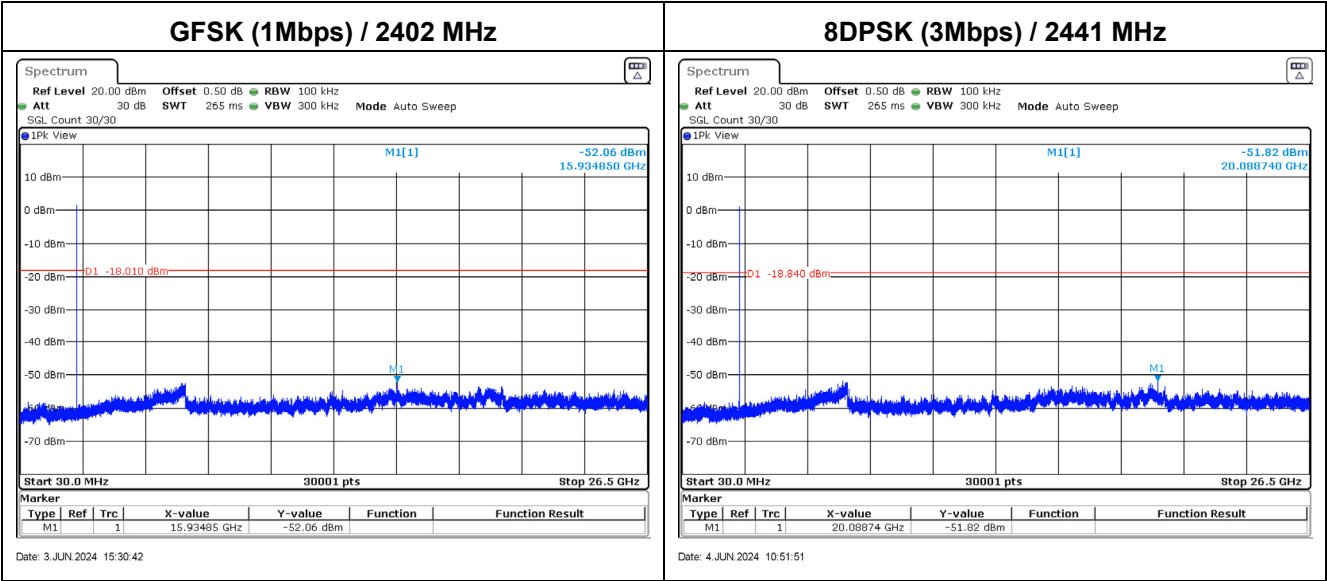
Appendix F. Test Result of Dwell Time

Modulation	Frequency (MHz)	Time slot length (ms)	Period (sec)	Calculation	Dwell Time (ms)	Limit (ms)	Result
GFSK	2402	2.860	31.6	$\text{Time(sec)} * (266.67/79) * 31.6$	305.070	400	Pass
	2441	2.880	31.6	$\text{Time(sec)} * (266.67/79) * 31.6$	307.204	400	Pass
	2480	2.880	31.6	$\text{Time(sec)} * (266.67/79) * 31.6$	307.204	400	Pass
8DPSK	2402	2.860	31.6	$\text{Time(sec)} * (266.67/79) * 31.6$	305.070	400	Pass
	2441	2.880	31.6	$\text{Time(sec)} * (266.67/79) * 31.6$	307.204	400	Pass
	2480	2.860	31.6	$\text{Time(sec)} * (266.67/79) * 31.6$	305.070	400	Pass

Note: Dwell time = Time slot length * calculation

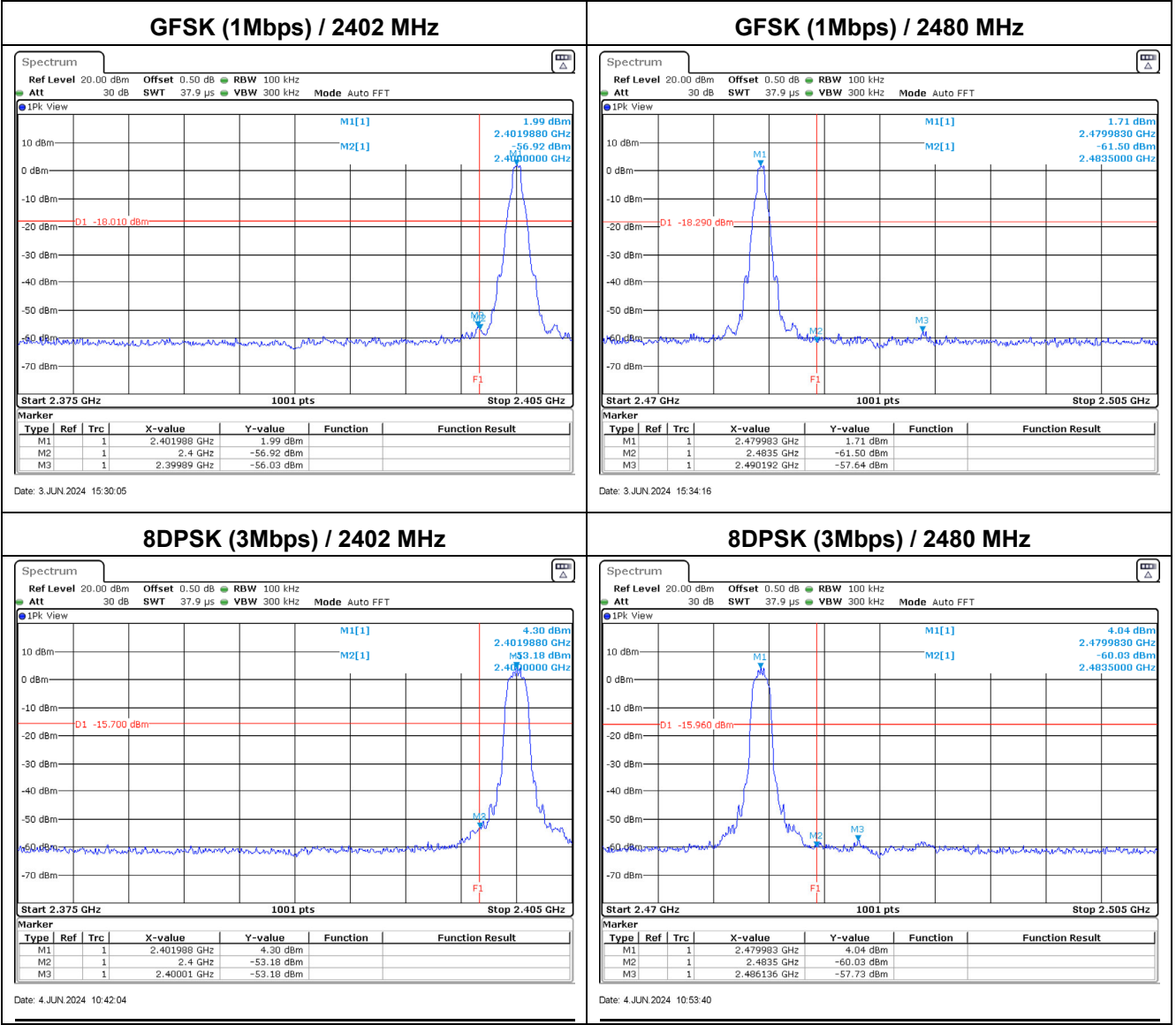


Appendix G. Test Result of Antenna Port Conducted Emission



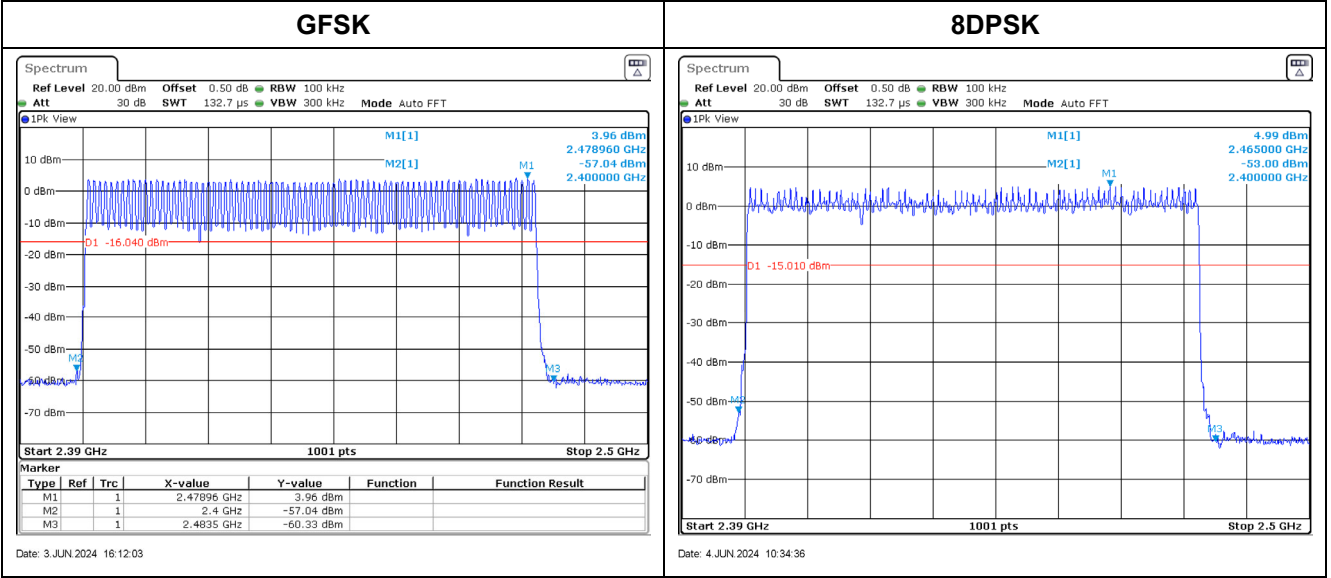
Hopping off

Modulation	Measurement Level Δ (dB)	Result
GFSK	> 20	Pass
8DPSK	> 20	Pass

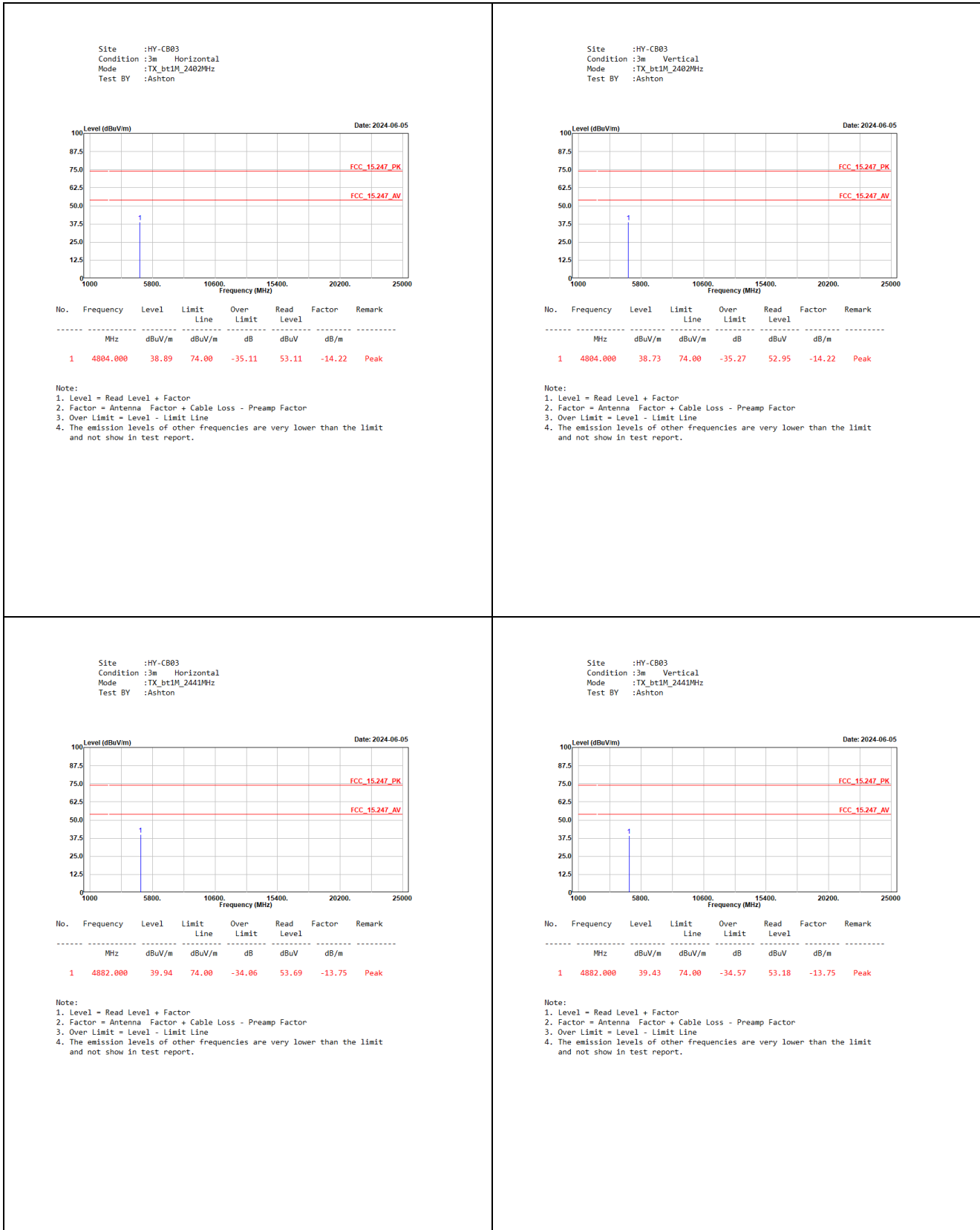


Hopping on

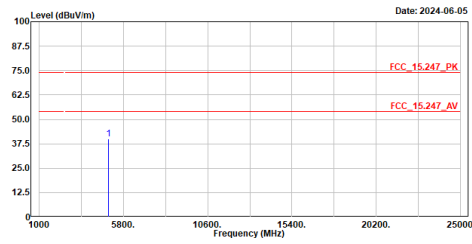
Modulation	Measurement Level Δ (dB)	Result
GFSK	> 20	Pass
8DPSK	> 20	Pass



Appendix H. Test Result of Radiated Emission



Site :HY-CB03
Condition :3m Horizontal
Mode :TX_bt1M_2480MHz
Test BY :Ashton

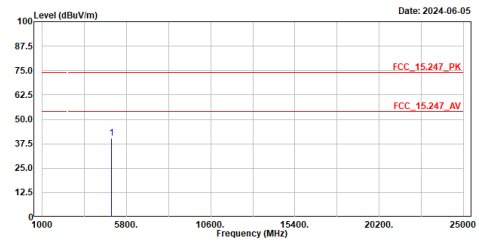


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	4960.000	39.90	74.00	-34.10	53.07	-13.17	Peak

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.

Site :HY-CB03
Condition :3m Vertical
Mode :TX_bt1M_2480MHz
Test BY :Ashton

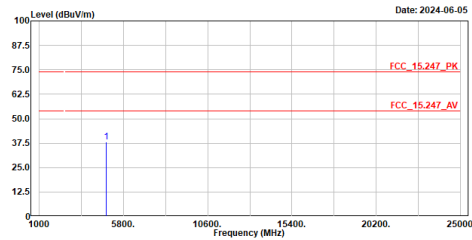


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	4960.000	40.33	74.00	-33.67	53.50	-13.17	Peak

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.

Site :HY-CB03
Condition :3m Horizontal
Mode :TX_bt3M_2402MHz
Test BY :Ashton

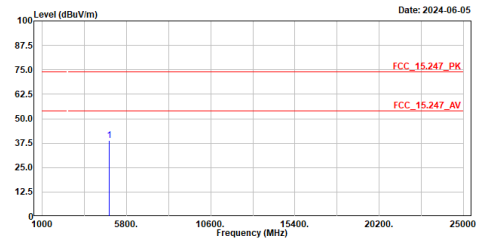


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	4884.000	38.21	74.00	-35.79	52.43	-14.22	Peak

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.

Site :HY-CB03
Condition :3m Vertical
Mode :TX_bt3M_2402MHz
Test BY :Ashton

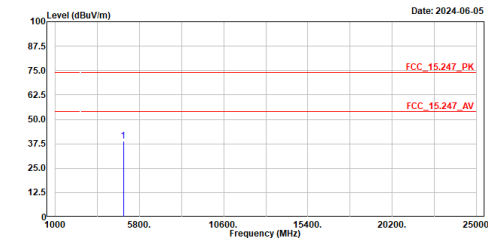


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	4884.000	38.80	74.00	-35.20	53.02	-14.22	Peak

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.

Site :HY-CB03
Condition :3m Horizontal
Mode :TX_bt3M_2441MHz
Test BY :Ashton

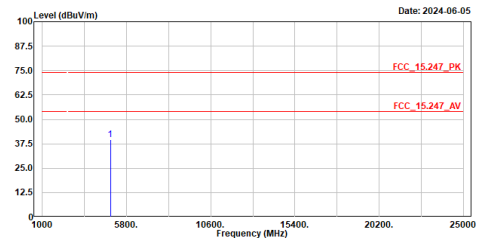


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	4882.000	38.70	74.00	-35.30	52.45	-13.75	Peak

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.

Site :HY-CB03
Condition :3m Vertical
Mode :TX_bt3M_2441MHz
Test BY :Ashton

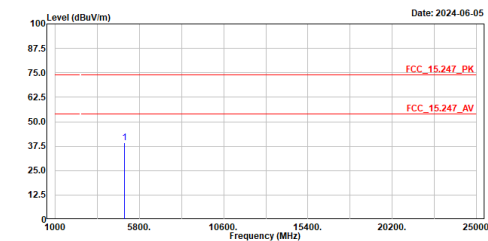


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	4882.000	39.51	74.00	-34.49	53.26	-13.75	Peak

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.

Site :HY-CB03
Condition :3m Horizontal
Mode :TX_bt3M_2480MHz
Test BY :Ashton

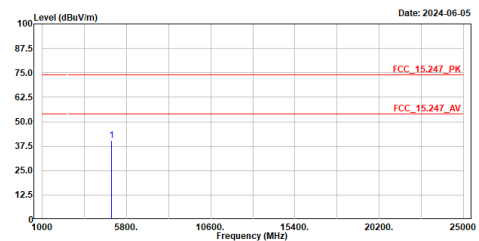


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	4960.000	39.21	74.00	-34.79	52.38	-13.17	Peak

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.

Site :HY-CB03
Condition :3m Vertical
Mode :TX_bt3M_2480MHz
Test BY :Ashton

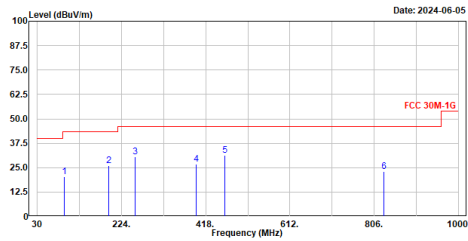


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	4960.000	40.46	74.00	-33.54	53.63	-13.17	Peak

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.

Site :HY-CB03
Condition :3m ,Horizontal
Mode :TX_bt3M_2441MHz
Test BY :Ashton

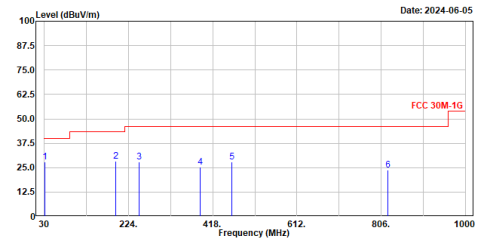


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	93.050	20.25	43.50	-23.25	49.33	-29.08	QP
2	194.900	25.87	43.50	-17.63	52.35	-26.48	QP
3	255.040	30.45	46.00	-15.55	55.08	-24.63	QP
4	395.690	26.96	46.00	-19.04	47.19	-20.23	QP
5	461.650	31.49	46.00	-14.51	49.92	-18.43	QP
6	828.310	22.89	46.00	-23.11	35.12	-12.23	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.

Site :HY-CB03
Condition :3m ,Vertical
Mode :TX_bt3M_2441MHz
Test BY :Ashton

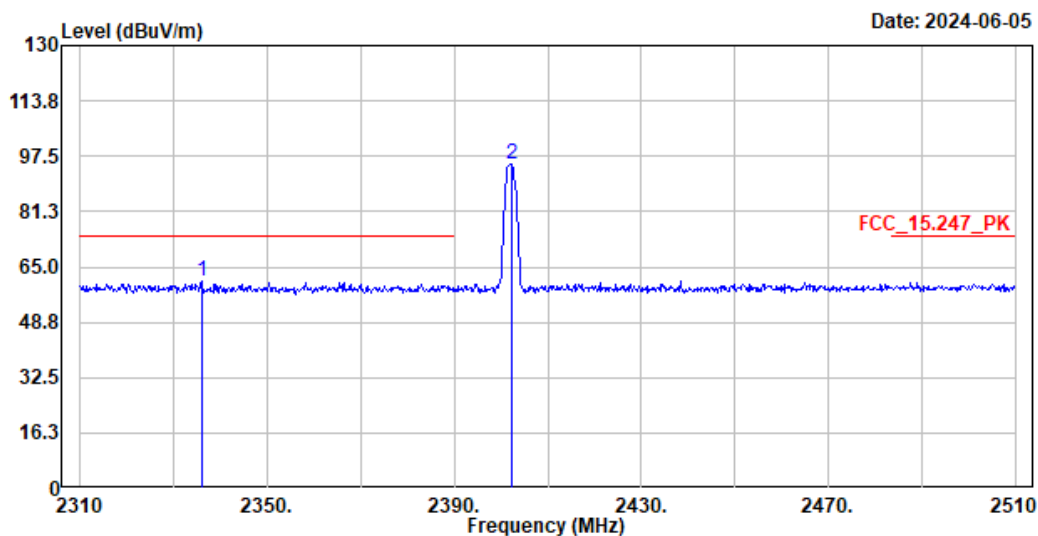


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	30.970	27.99	40.00	-12.01	52.94	-24.95	QP
2	194.900	28.21	43.50	-15.29	54.69	-26.48	QP
3	249.220	27.95	46.00	-18.05	52.69	-24.74	QP
4	389.870	25.23	46.00	-20.77	45.59	-20.36	QP
5	461.650	27.92	46.00	-18.08	46.35	-18.43	QP
6	821.520	23.81	46.00	-22.19	36.05	-12.24	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.

Site :HY-CB03
 Condition :3m Horizontal
 Mode :TX_bt1M_2402MHz
 Test BY :Ashton



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	2336.000	60.66	74.00	-13.34	30.14	30.52	Peak
2	2402.200	95.23	-----	-----	64.70	30.53	Peak

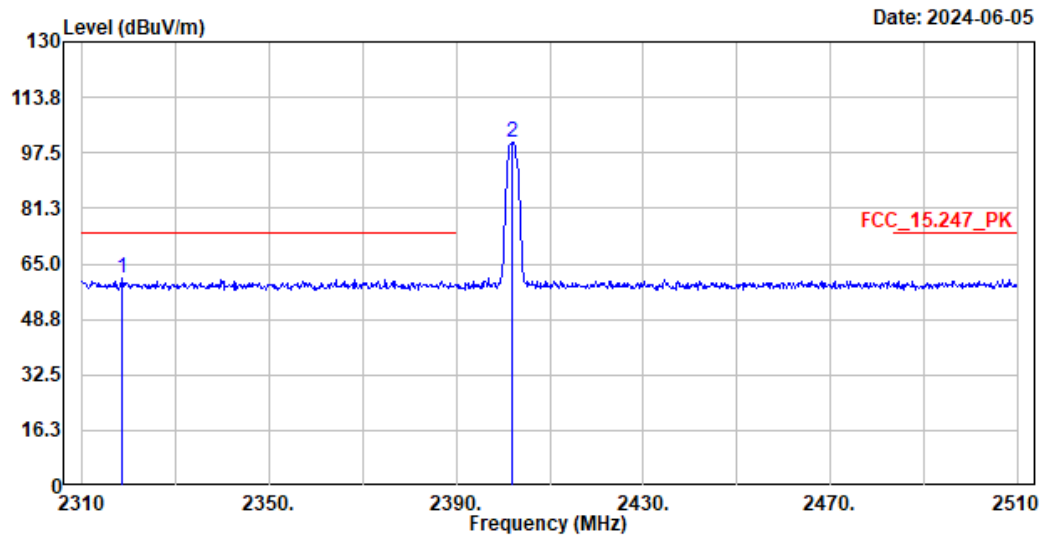
Note:

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.

Horizontal-Average Detector:

Frequency (MHz)	Peak Measurement (dBμV/m)	Duty Cycle Factor (dB)	Measurement Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)
2336	60.66	-24.734	35.926	-18.074	54.000
2402.2	95.23	-24.734	70.496	--	--

Site :HY-CB03
 Condition :3m Vertical
 Mode :TX_bt1M_2402MHz
 Test BY :Ashton



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	2318.400	60.61	74.00	-13.39	29.94	30.67	Peak
2	2402.000	100.69	-----	-----	70.16	30.53	Peak

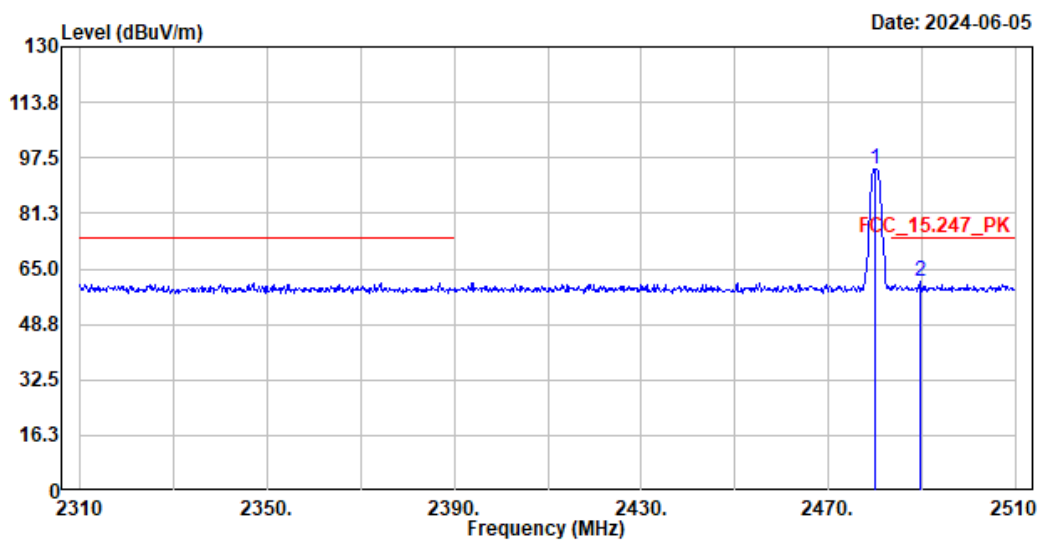
Note:

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.

Vertical-Average Detector:

Frequency (MHz)	Peak Measurement (dBuV/m)	Duty Cycle Factor (dB)	Measurement Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)
2318.4	60.61	-24.734	35.876	-18.124	54.000
2402	100.69	-24.734	75.956	--	--

Site :HY-CB03
 Condition :3m Horizontal
 Mode :TX_bt1M_2480MHz
 Test BY :Ashton



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	2480.000	94.42	-----	-----	63.96	30.46	Peak
2	2489.800	61.13	74.00	-12.87	30.56	30.57	Peak

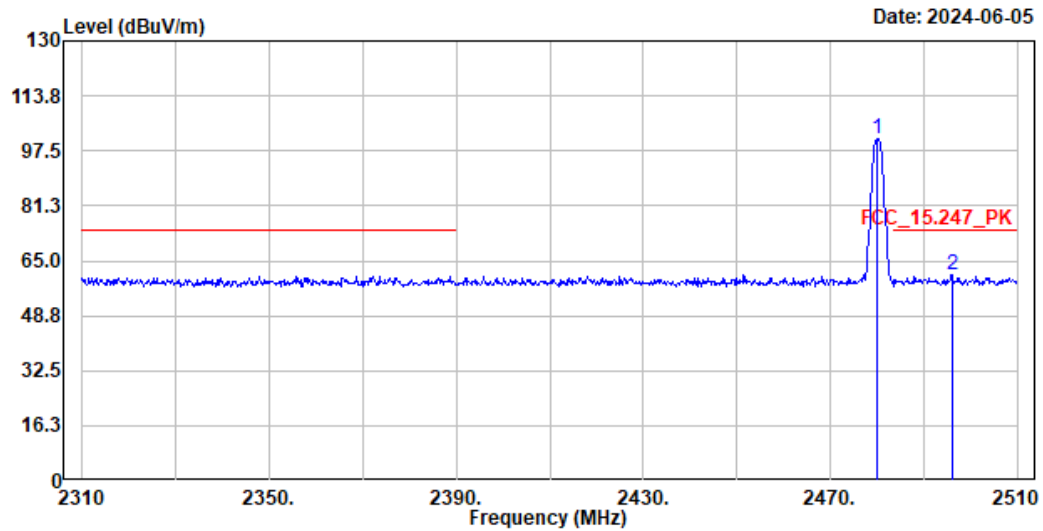
Note:

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.

Horizontal-Average Detector:

Frequency (MHz)	Peak Measurement (dBuV/m)	Duty Cycle Factor (dB)	Measurement Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)
2480	94.42	-24.734	69.686	--	--
2489.8	61.13	-24.734	36.396	-17.604	54.000

Site :HY-CB03
 Condition :3m Vertical
 Mode :TX_bt1M_2480MHz
 Test BY :Ashton



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	2480.000	100.89	-----	-----	70.43	30.46	Peak
2	2496.000	60.74	74.00	-13.26	30.16	30.58	Peak

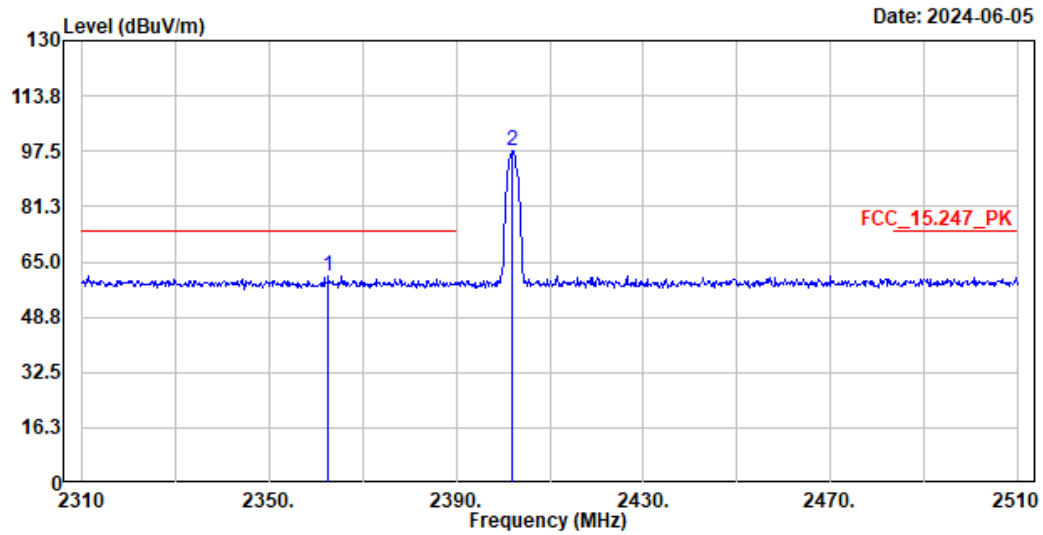
Note:

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.

Vertical-Average Detector:

Frequency (MHz)	Peak Measurement (dBuV/m)	Duty Cycle Factor (dB)	Measurement Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)
2480	100.89	-24.734	76.156	--	--
2496	60.74	-24.734	36.006	-17.994	54.000

Site :HY-CB03
 Condition :3m Horizontal
 Mode :TX_bt3M_2402MHz
 Test BY :Ashton



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
			dBuV/m	dB	dBuV	dB/m	
1	2362.600	60.94	74.00	-13.06	30.45	30.49	Peak
2	2402.000	97.56	-----	-----	67.03	30.53	Peak

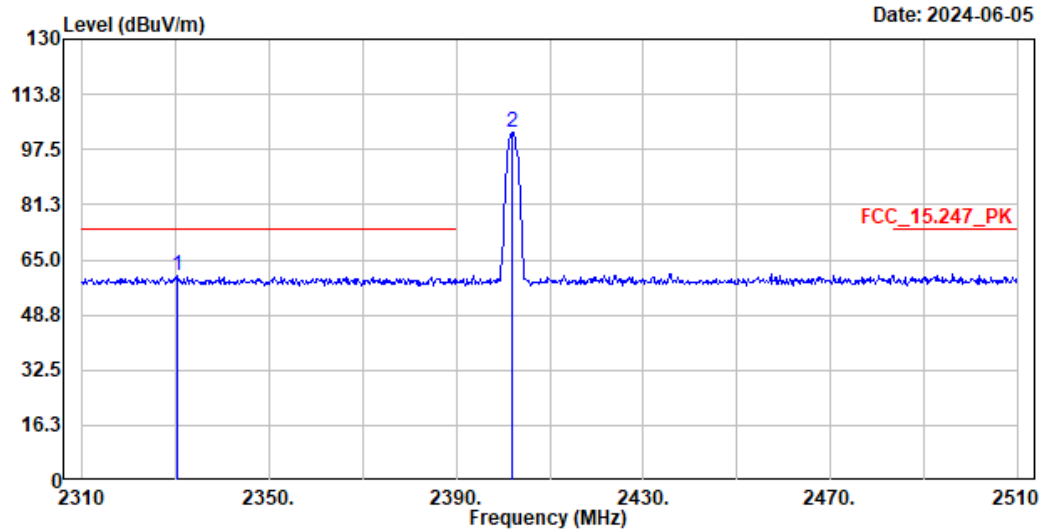
Note:

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.

Horizontal-Average Detector:

Frequency (MHz)	Peak Measurement (dBμV/m)	Duty Cycle Factor (dB)	Measurement Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)
2362.6	60.94	-25.180	35.760	-18.240	54.000
2402	97.56	-25.180	72.380	--	--

Site :HY-CB03
 Condition :3m Vertical
 Mode :TX_bt3M_2402MHz
 Test BY :Ashton



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	2330.200	60.32	74.00	-13.68	29.75	30.57	Peak
2	2402.000	102.60	-----	-----	72.07	30.53	Peak

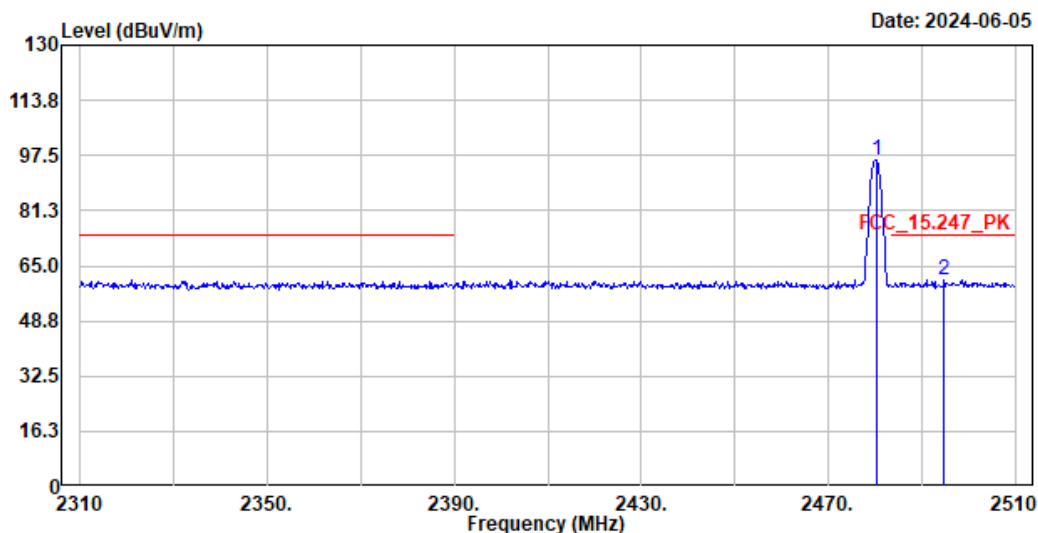
Note:

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.

Vertical-Average Detector:

Frequency (MHz)	Peak Measurement (dBμV/m)	Duty Cycle Factor (dB)	Measurement Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)
2330.2	60.32	-25.180	35.140	-18.860	54.000
2402	102.6	-25.180	77.420	--	--

Site :HY-CB03
 Condition :3m Horizontal
 Mode :TX_bt3M_2480MHz
 Test BY :Ashton



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
			dBuV/m	dB	dBuV	dB/m	
1	2480.200	96.27	-----	-----	65.81	30.46	Peak
2	2494.800	60.98	74.00	-13.02	30.40	30.58	Peak

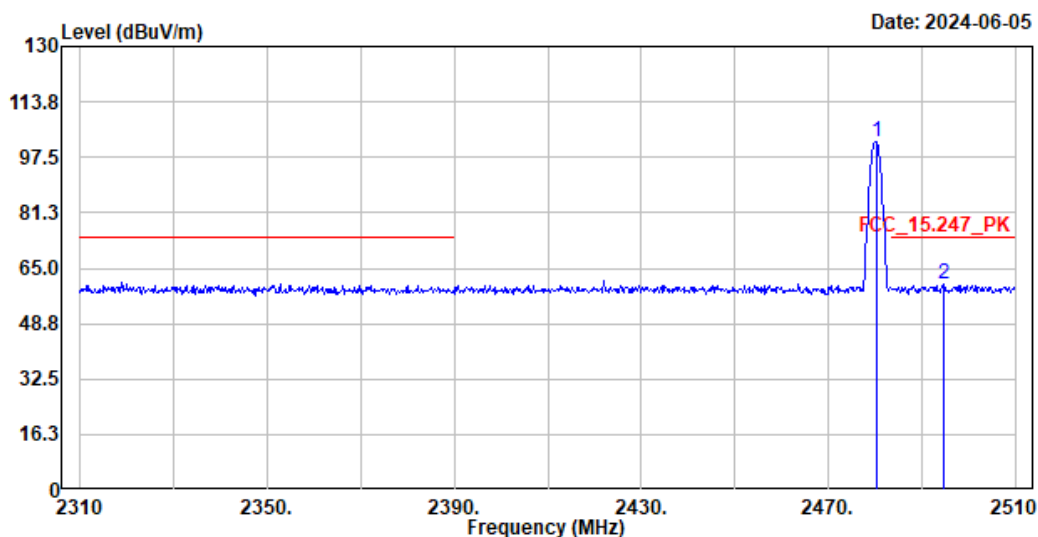
Note:

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.

Horizontal-Average Detector:

Frequency (MHz)	Peak Measurement (dBμV/m)	Duty Cycle Factor (dB)	Measurement Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)
2480.2	96.27	-25.180	71.090	--	--
2494.8	60.98	-25.180	35.800	-18.200	54.000

Site :HY-CB03
 Condition :3m Vertical
 Mode :TX_bt3M_2480MHz
 Test BY :Ashton



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	2480.200	102.24	-----	-----	71.78	30.46	Peak
2	2494.600	60.23	74.00	-13.77	29.65	30.58	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.

Vertical-Average Detector:

Frequency (MHz)	Peak Measurement (dBμV/m)	Duty Cycle Factor (dB)	Measurement Level (dBμV/m)	Margin (dB)	Limit (dBμV/m)
2480.2	102.24	-25.180	77.060	--	--
2494.6	60.23	-25.180	35.050	-18.950	54.000