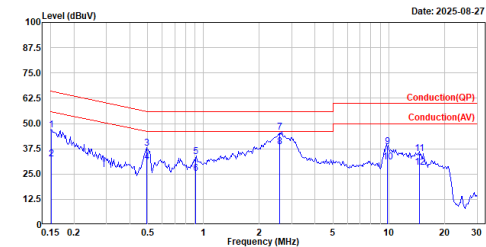
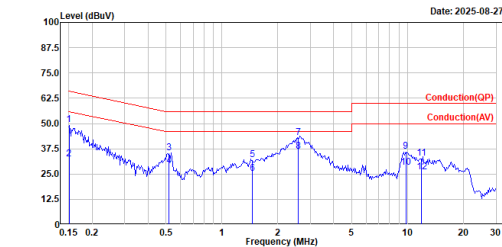
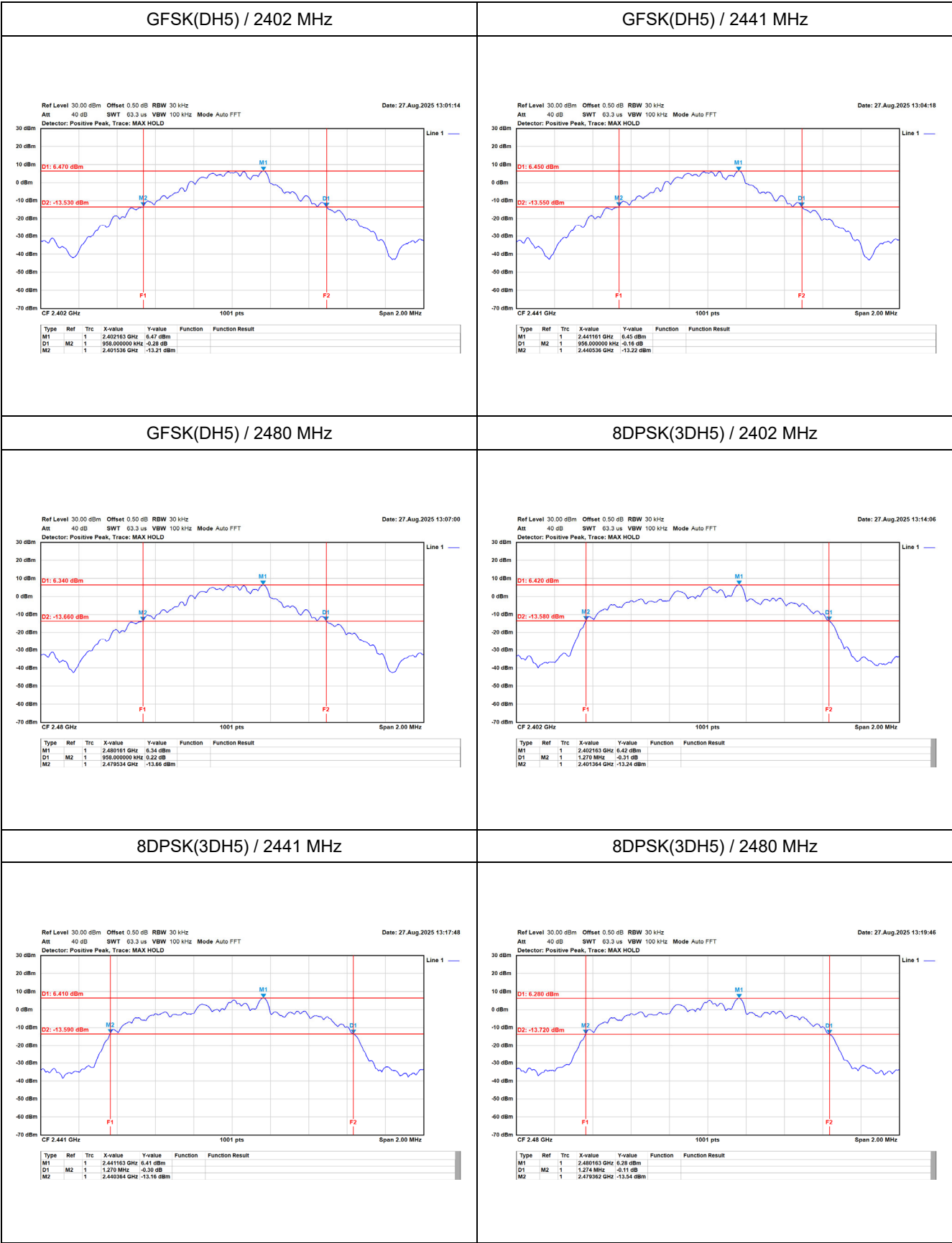


Appendix A. Test Result of AC Power Line Conducted Emission

TX_BT3M_2441MHz_Line								TX_BT3M_2441MHz_Neutral							
Site :HY-SR01 Condition :Line Mode :TX_BT3M_2441MHz test by :Neko 								Site :HY-SR01 Condition :Neutral Mode :TX_BT3M_2441MHz test by :Neko 							
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	46.77	65.90	-19.13	37.20	9.57	QP	1	0.150	49.33	65.97	-16.64	39.77	9.56	QP
2	0.152	32.28	55.90	-23.62	22.71	9.57	Average	2	0.150	32.63	55.97	-23.34	23.07	9.56	Average
3	0.495	37.61	56.08	-18.47	28.02	9.59	QP	3	0.521	35.33	56.00	-20.67	25.74	9.59	QP
4	0.495	31.00	46.00	-15.00	21.41	9.59	Average	4	0.521	28.88	46.00	-17.12	19.29	9.59	Average
5	0.904	33.76	56.00	-22.24	24.14	9.62	QP	5	1.465	31.90	56.00	-24.10	22.23	9.67	QP
6	0.904	25.15	46.00	-20.85	15.53	9.62	Average	6	1.465	25.26	46.00	-20.74	15.59	9.67	Average
7	2.586	45.52	56.00	-10.48	35.73	9.79	QP	7	2.584	43.04	56.00	-12.96	33.24	9.80	QP
8	2.586	38.38	46.00	-7.62	28.59	9.79	Average	8	2.584	36.37	46.00	-9.63	26.57	9.80	Average
9	9.795	38.34	60.00	-21.66	28.15	10.19	QP	9	9.769	36.25	60.00	-23.75	26.01	10.24	QP
10	9.795	30.94	50.00	-19.06	20.75	10.19	Average	10	9.769	28.44	50.00	-21.56	18.20	10.24	Average
11	14.630	35.20	60.00	-24.80	25.45	9.75	QP	11	11.849	32.94	60.00	-27.06	22.85	10.09	QP
12	14.630	28.24	50.00	-21.76	18.49	9.75	Average	12	11.849	25.95	50.00	-24.05	15.86	10.09	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							

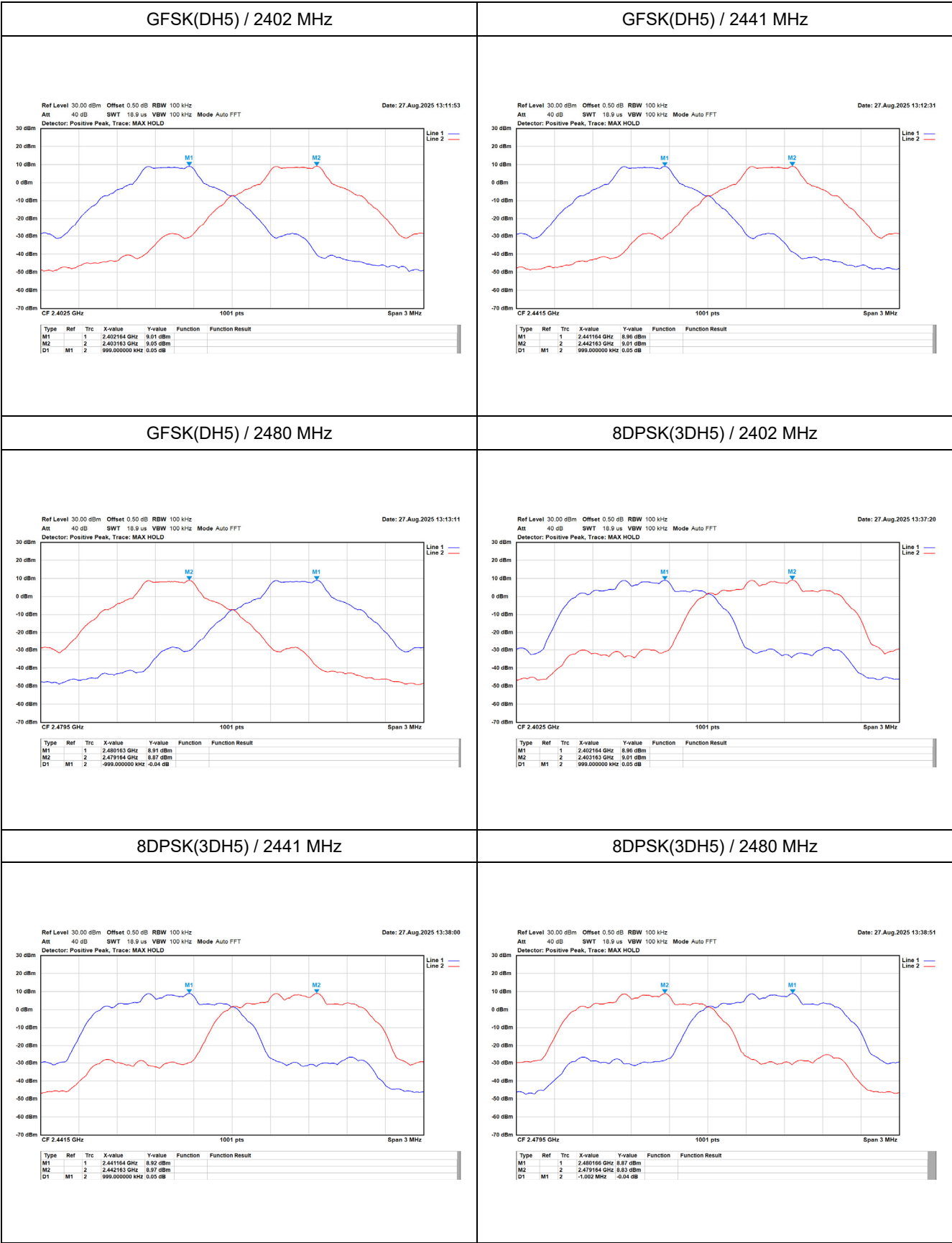
Appendix B. Test Result of 20dB Bandwidth

Modulation	Frequency (MHz)	20dB Bandwidth (MHz)	Limit (MHz)
GFSK	2402	0.96	-
	2441	0.96	-
	2480	0.96	-
8DPSK	2402	1.27	-
	2441	1.27	-
	2480	1.27	-



Appendix C. Test Result of Carrier Frequency Separation

Modulation	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
GFSK	2402	0.99	0.639	Pass
	2441	0.99	0.637	Pass
	2480	0.99	0.639	Pass
8DPSK	2402	0.99	0.847	Pass
	2441	0.99	0.847	Pass
	2480	1.00	0.849	Pass

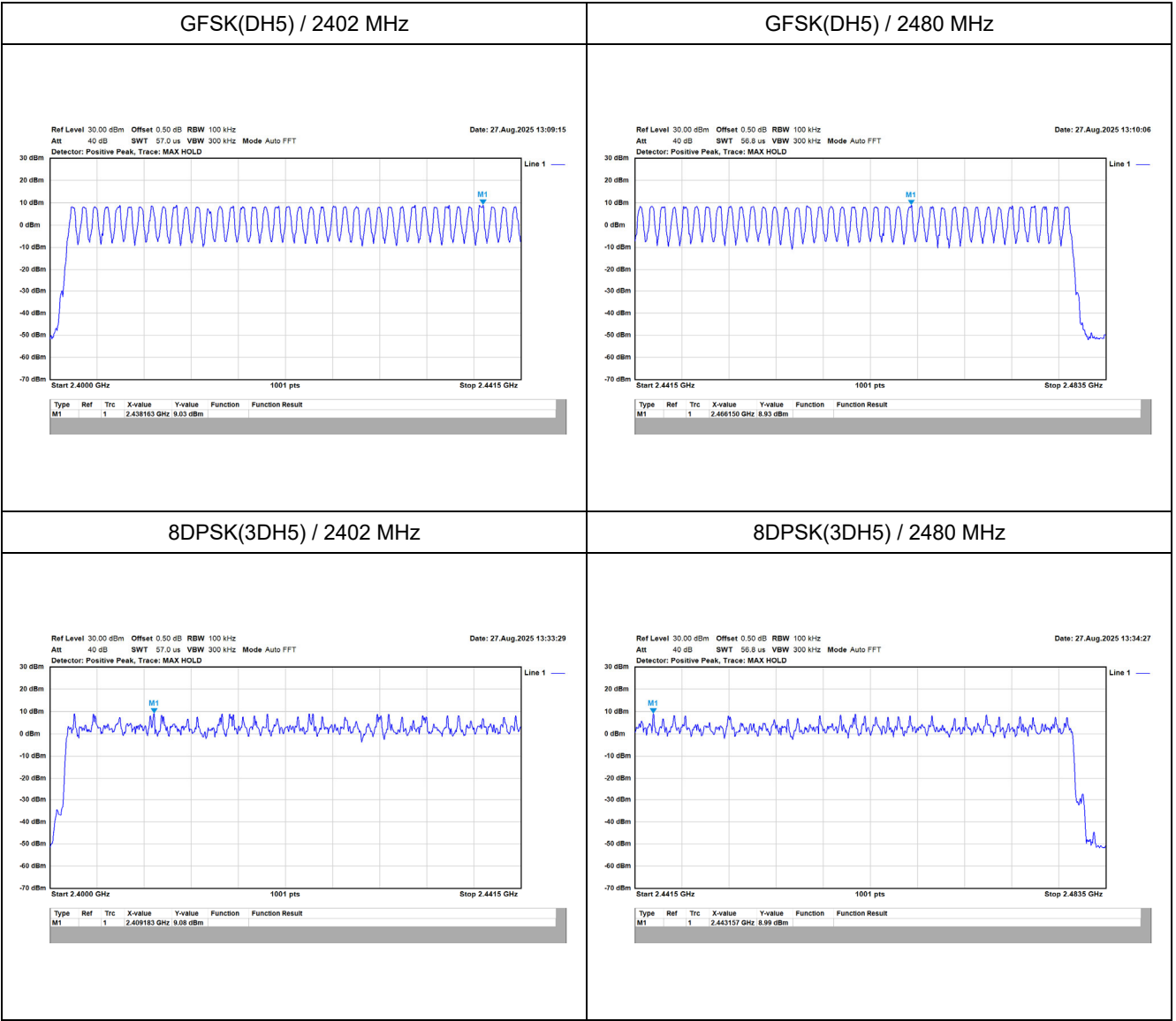


Appendix D. Test Result of Maximum Peak Conducted Output Power

Modulation	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)	Limit (dBm)	Result
GFSK	2402	10.73	21.00	Pass
	2441	10.71	21.00	Pass
	2480	10.61	21.00	Pass
8DPSK	2402	10.65	21.00	Pass
	2441	10.61	21.00	Pass
	2480	10.51	21.00	Pass

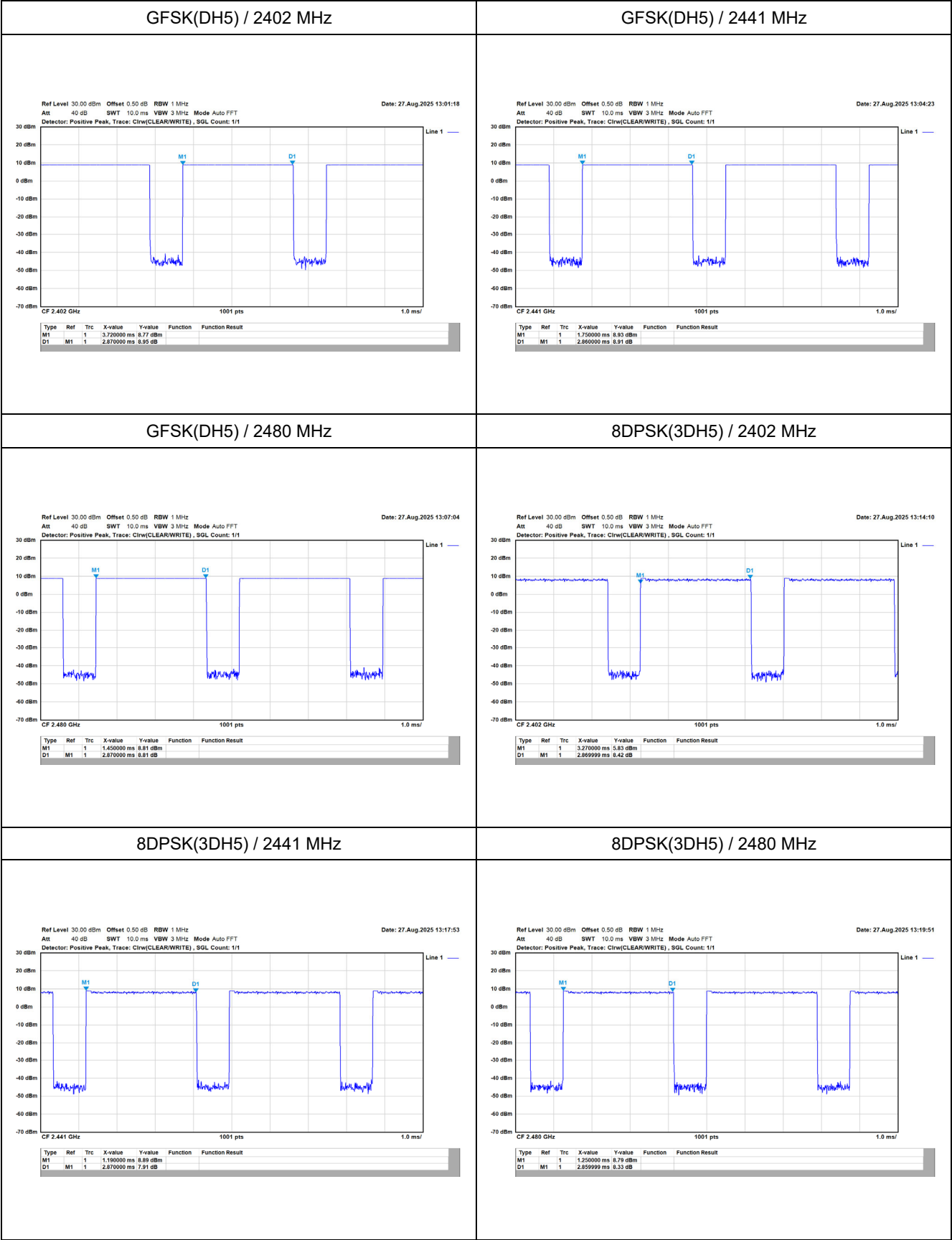
Appendix E. Test Result of Number of Hopping Frequency

Frequency (MHz)	Measure Level (Channels)	Limit (Channels)
2402.0 ~ 2480.0	79	≥ 15



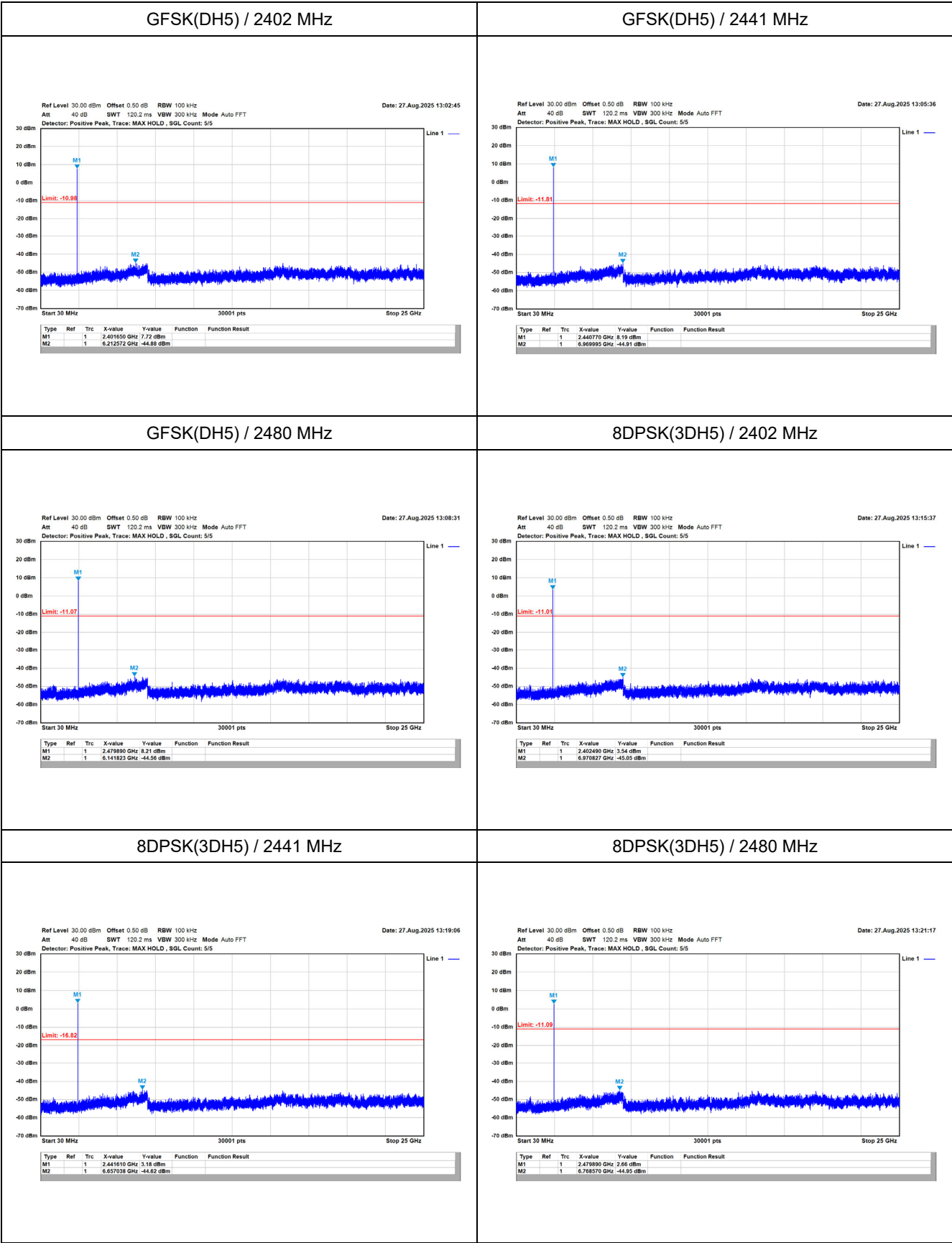
Appendix F. Test Result of Dwell Time

Modulation	Occupancy Time of Frequency Hopping System
GFSK	A) 2402 MHz Test Time Period: $0.4 \times 79 = 31.60$ sec, Time slot length :2.87 = 0.002870 sec
	Dwell Time : $0.002870 \times (266.67/79) \times 31.60 = 0.306$ sec °
	B) 2441 MHz Test Time Period: $0.4 \times 79 = 31.60$ sec, Time slot length :2.86 = 0.002860 sec
	Dwell Time : $0.002860 \times (266.67/79) \times 31.60 = 0.305$ sec °
	C) 2480 MHz Test Time Period: $0.4 \times 79 = 31.60$ sec, Time slot length :2.87 = 0.002870 sec
	Dwell Time : $0.002870 \times (266.67/79) \times 31.60 = 0.306$ sec °
8DPSK	A) 2402 MHz Test Time Period: $0.4 \times 79 = 31.60$ sec, Time slot length :2.87 = 0.002870 sec
	Dwell Time : $0.002870 \times (266.67/79) \times 31.60 = 0.306$ sec °
	B) 2441 MHz Test Time Period: $0.4 \times 79 = 31.60$ sec, Time slot length :2.87 = 0.002870 sec
	Dwell Time : $0.002870 \times (266.67/79) \times 31.60 = 0.306$ sec °
	C) 2480 MHz Test Time Period: $0.4 \times 79 = 31.60$ sec, Time slot length :2.86 = 0.002860 sec
	Dwell Time : $0.002860 \times (266.67/79) \times 31.60 = 0.305$ sec °
Test Result: The occupancy time of each highest, middle and lowest channel is less than 0.4 sec, and corresponds to the standard.	

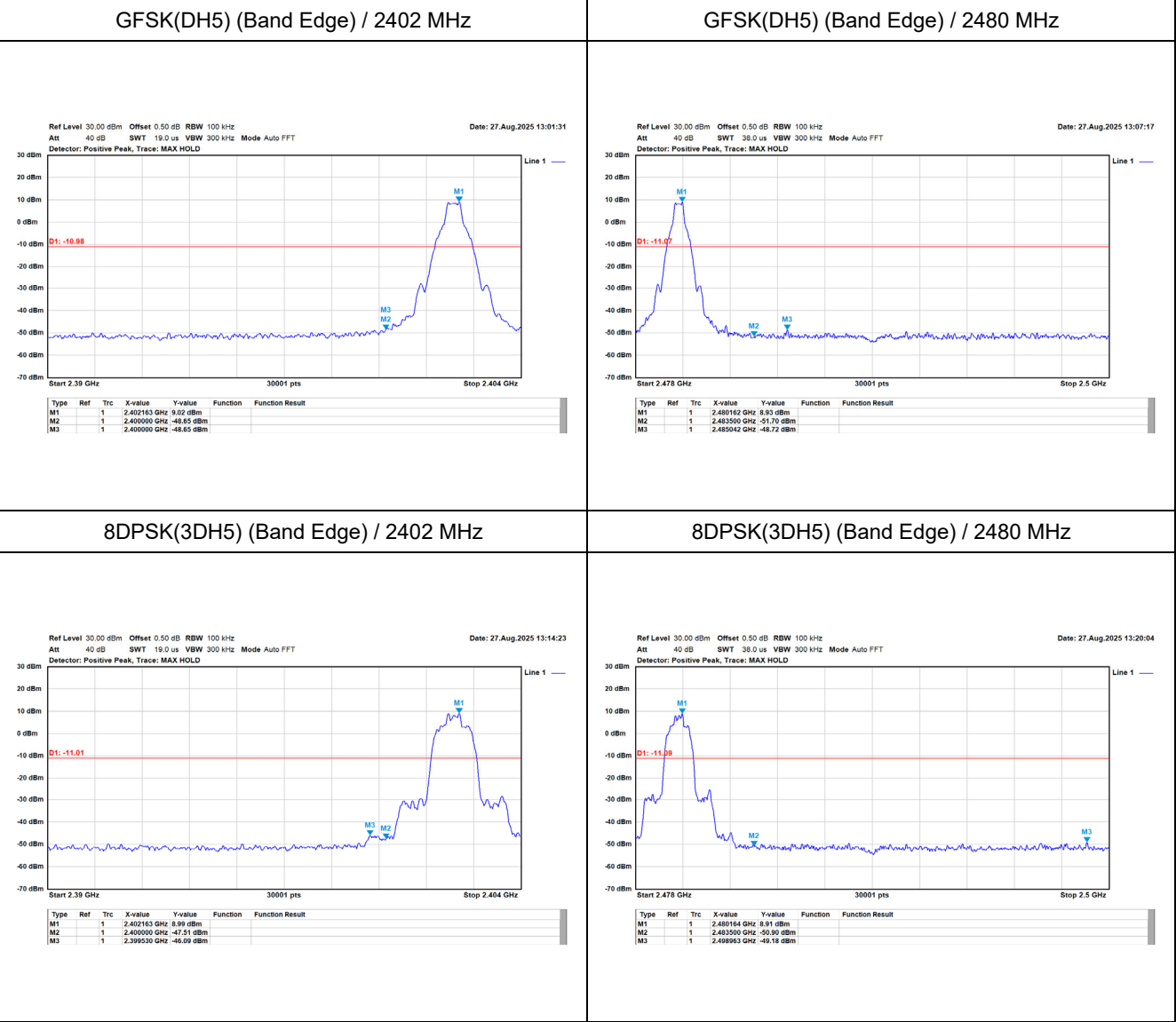


Appendix G. Test Result of Antenna Port Conducted Emission

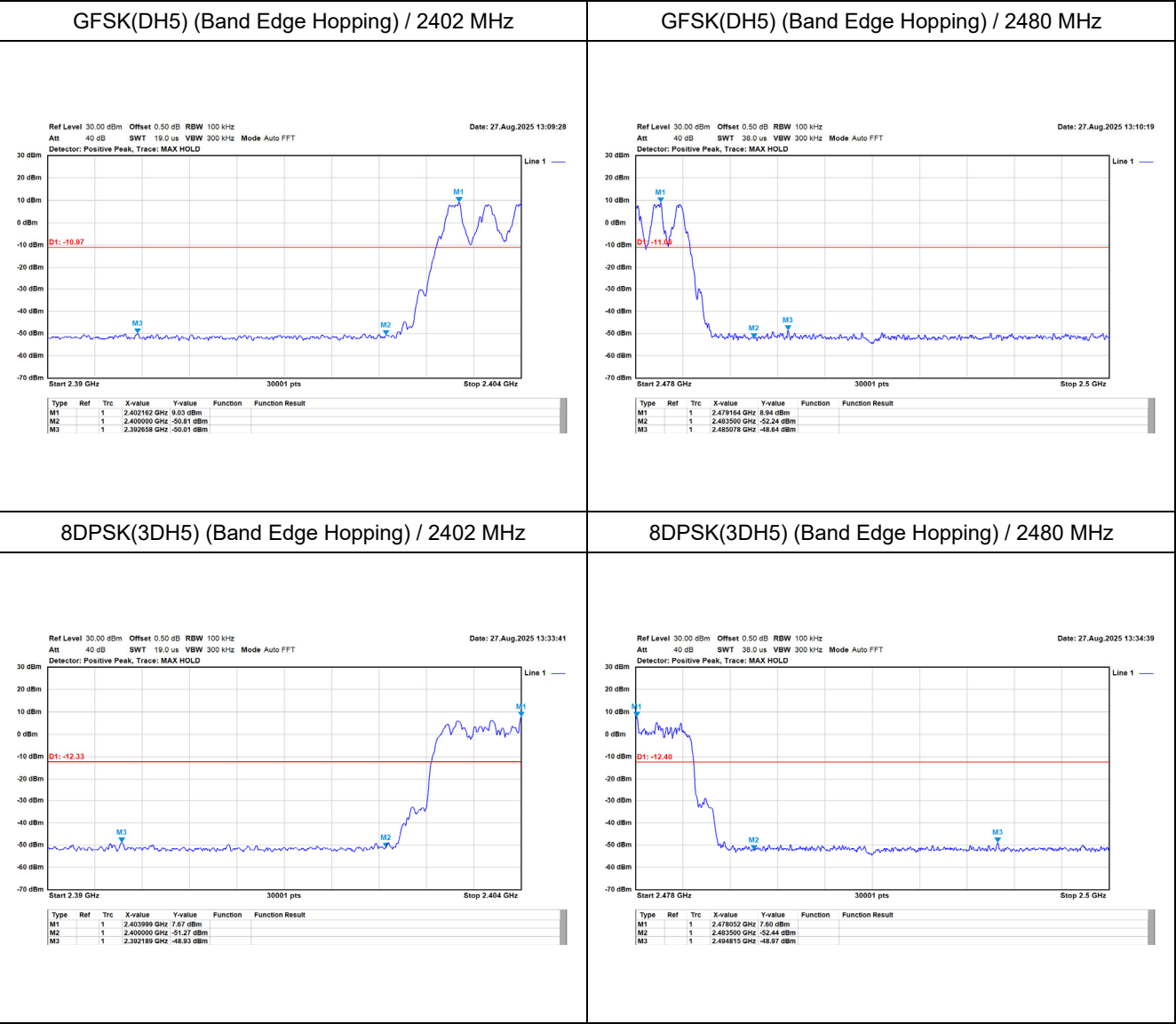
Modulation	Measurement Level Δ (dB)	Result
GFSK	> 20	Pass
8DPSK	> 20	Pass



Hopping off

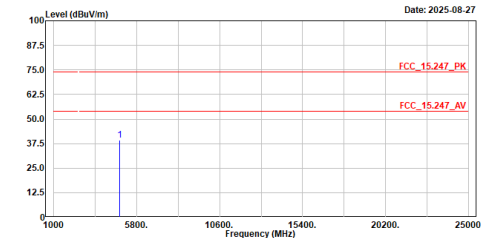


Hopping on



Appendix H. Test Result of Radiated Emission

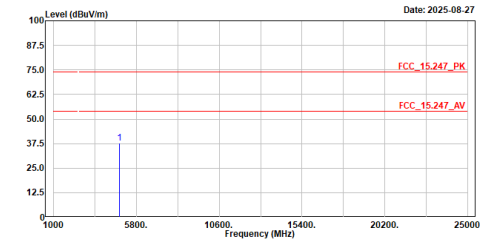
Site :HY-CB03
Condition :3m ,Horizontal
Mode :TX_BT1M_2402MHz
Test BY :Ashton



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	4884.000	39.32	74.00	-34.68	54.27	-14.95	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.

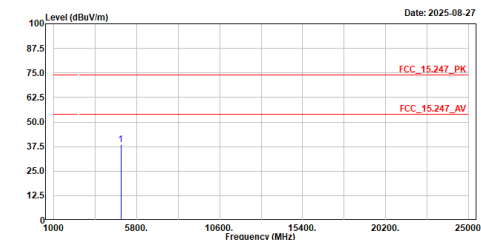
Site :HY-CB03
Condition :3m ,Vertical
Mode :TX_BT1M_2402MHz
Test BY :Ashton



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	4884.000	37.85	74.00	-36.15	52.80	-14.95	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.

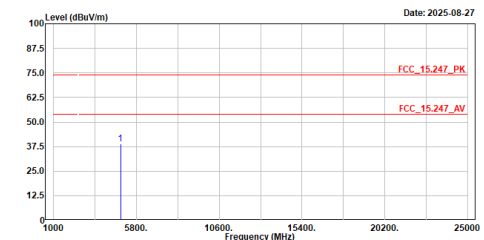
Site :HY-CB03
Condition :3m ,Horizontal
Mode :TX_BT1M_2441MHz
Test BY :Ashton



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	4882.000	38.33	74.00	-35.67	52.90	-14.57	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.

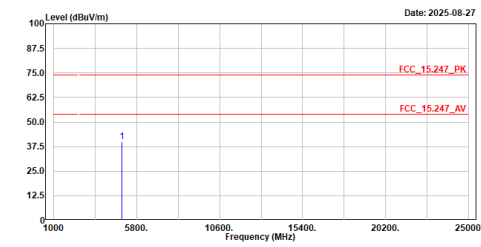
Site :HY-CB03
Condition :3m ,Vertical
Mode :TX_BT1M_2441MHz
Test BY :Ashton



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	4882.000	38.86	74.00	-35.14	53.43	-14.57	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.

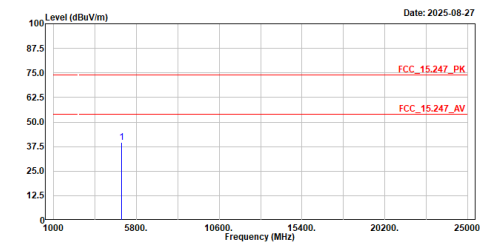
Site :HY-CB03
Condition :3m ,Horizontal
Mode :TX_BT1M_2480MHz
Test BY :Ashton



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	4968.000	39.97	74.00	-34.03	54.19	-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.

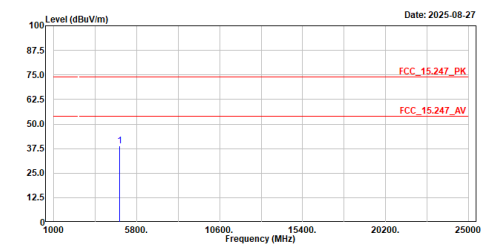
Site :HY-CB03
Condition :3m ,Vertical
Mode :TX_BT1M_2480MHz
Test BY :Ashton



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	4968.000	39.51	74.00	-34.49	53.73	-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.

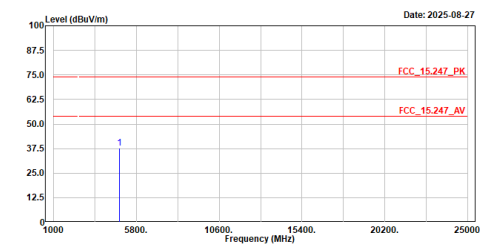
Site :HY-CB03
Condition :3m ,Horizontal
Mode :TX_BT3M_2402MHz
Test BY :Ashton



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	4804.000	38.68	74.00	-35.32	53.63	-14.95	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.

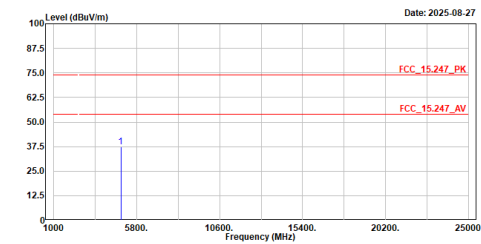
Site :HY-CB03
Condition :3m ,Vertical
Mode :TX_BT3M_2402MHz
Test BY :Ashton



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	4804.000	37.92	74.00	-36.08	52.87	-14.95	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.

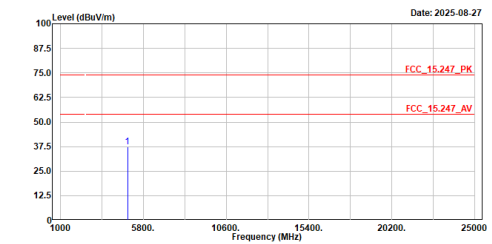
Site :HY-CB03
Condition :3m ,Horizontal
Mode :TX_BT3M_2441MHz
Test BY :Ashton



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	4882.000	37.41	74.00	-36.59	51.98	-14.57	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.

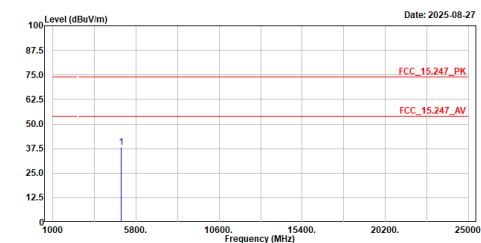
Site :HY-CB03
Condition :3m ,Vertical
Mode :TX_BT3M_2441MHz
Test BY :Ashton



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	4882.000	37.25	74.00	-36.75	51.82	-14.57	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.

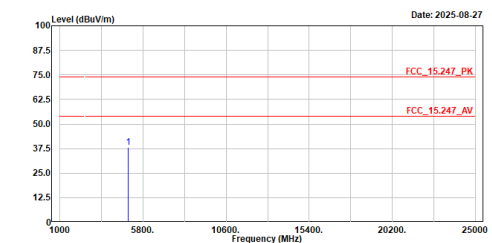
Site :HY-CB03
Condition :3m ,Horizontal
Mode :TX_BT3M_2480MHz
Test BY :Ashton



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	4960.000	37.97	74.00	-36.03	52.19	-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.

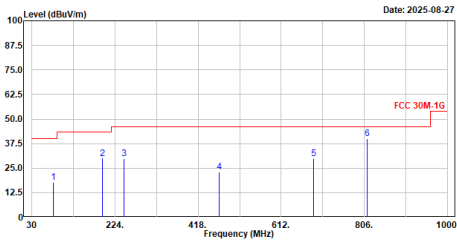
Site :HY-CB03
Condition :3m ,Vertical
Mode :TX_BT3M_2480MHz
Test BY :Ashton



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	4960.000	38.01	74.00	-35.99	52.23	-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.

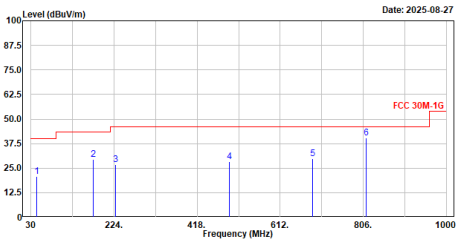
Site :HY-CB03
Condition :3m ,Horizontal
Mode :TX_BT3M_2441MHz
Test BY :Ashton



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	79.470	17.80	40.00	-22.20	46.31	-28.51	QP
2	193.930	30.00	43.50	-13.50	56.96	-26.96	QP
3	245.340	29.66	46.00	-16.34	54.58	-24.92	QP
4	466.500	23.14	46.00	-22.86	41.86	-18.72	QP
5	687.660	29.67	46.00	-16.33	44.26	-14.59	QP
6	812.790	39.99	46.00	-6.01	52.67	-12.68	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.

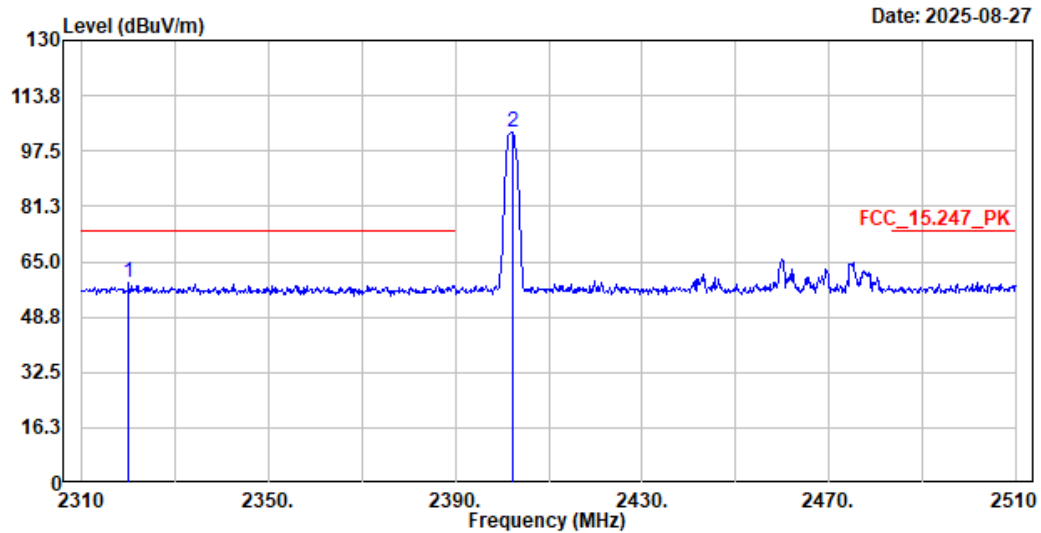
Site :HY-CB03
Condition :3m ,Vertical
Mode :TX_BT3M_2441MHz
Test BY :Ashton



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB/m	
1	43.580	20.93	40.00	-19.07	44.72	-23.79	QP
2	175.500	29.62	43.50	-13.88	53.89	-24.27	QP
3	227.880	26.90	46.00	-19.10	53.21	-26.31	QP
4	492.690	28.41	46.00	-17.59	46.73	-18.32	QP
5	687.660	29.88	46.00	-16.12	44.47	-14.59	QP
6	812.790	40.23	46.00	-5.77	52.91	-12.68	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	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	2320.000	58.64	74.00	-15.36	28.03	30.61	Peak
2	2402.200	103.11	-----	-----	72.65	30.46	Peak

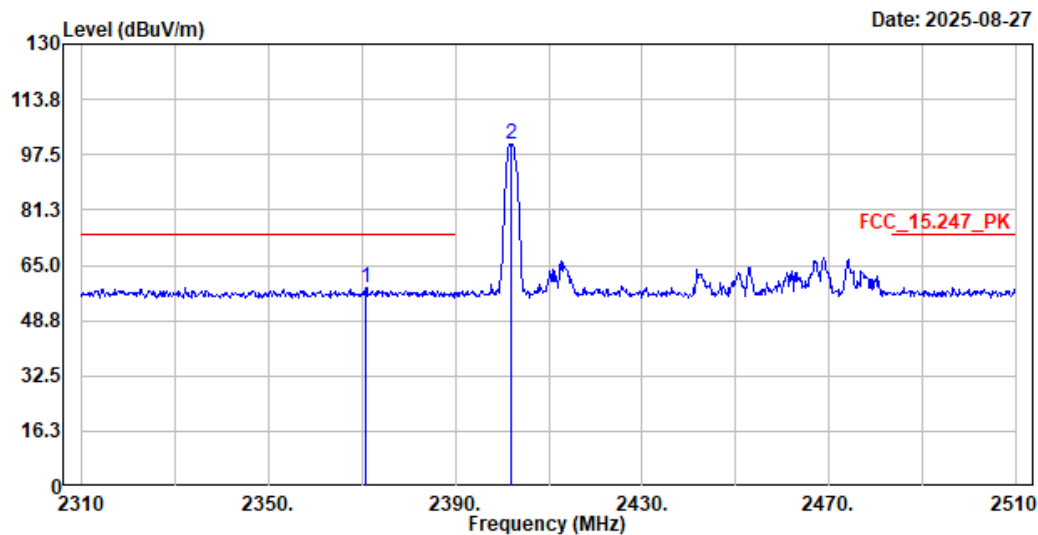
Note:

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)
2320	58.64	-30.755	27.885	-26.115	54.000
2402.2	103.11	-30.755	72.355	--	--

Site :HY-CB03
 Condition :3m ,Vertical
 Mode :TX_BT1M_2402MHz
 Test BY :Ashton



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	2370.800	58.21	74.00	-15.79	27.78	30.43	Peak
2	2402.000	100.72	-----	-----	70.26	30.46	Peak

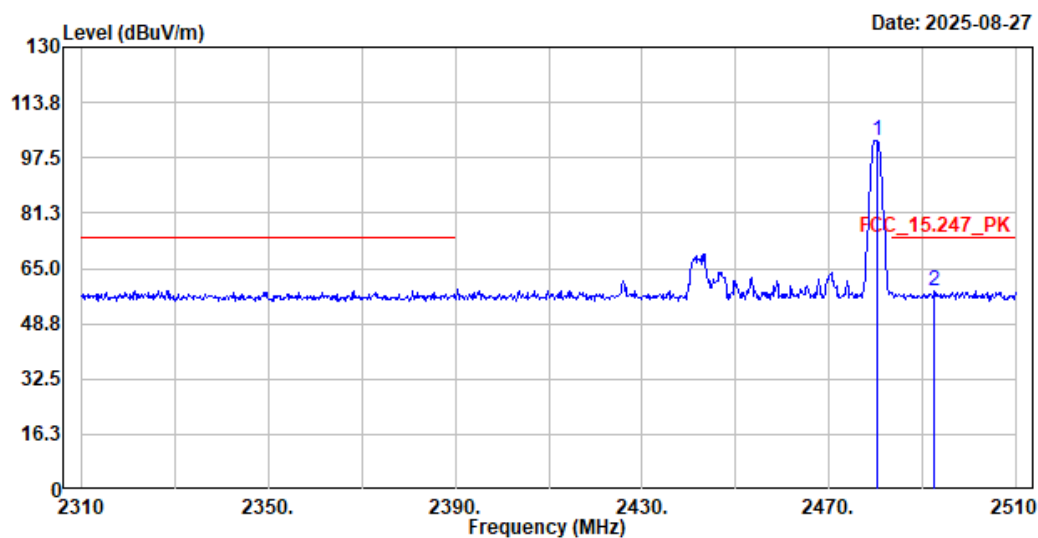
Note:

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)
2370.8	58.21	-30.755	27.455	-26.545	54.000
2402	100.72	-30.755	69.965	--	--

Site :HY-CB03
 Condition :3m ,Horizontal
 Mode :TX_BT1M_2480MHz
 Test BY :Ashton



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	2480.200	102.64	-----	-----	72.25	30.39	Peak
2	2492.600	58.62	74.00	-15.38	28.12	30.50	Peak

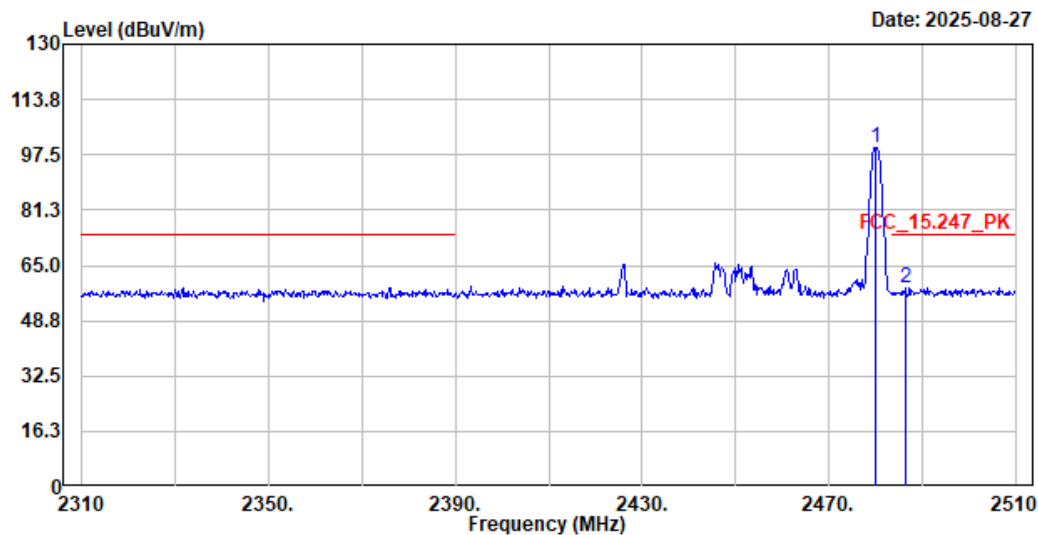
Note:

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	102.64	-30.755	71.885	--	--
2492.6	58.62	-30.755	27.865	-26.135	54.000

Site :HY-CB03
 Condition :3m ,Vertical
 Mode :TX_BT1M_2480MHz
 Test BY :Ashton



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	2480.000	99.55	-----	-----	69.16	30.39	Peak
2	2486.400	58.31	74.00	-15.69	27.85	30.46	Peak

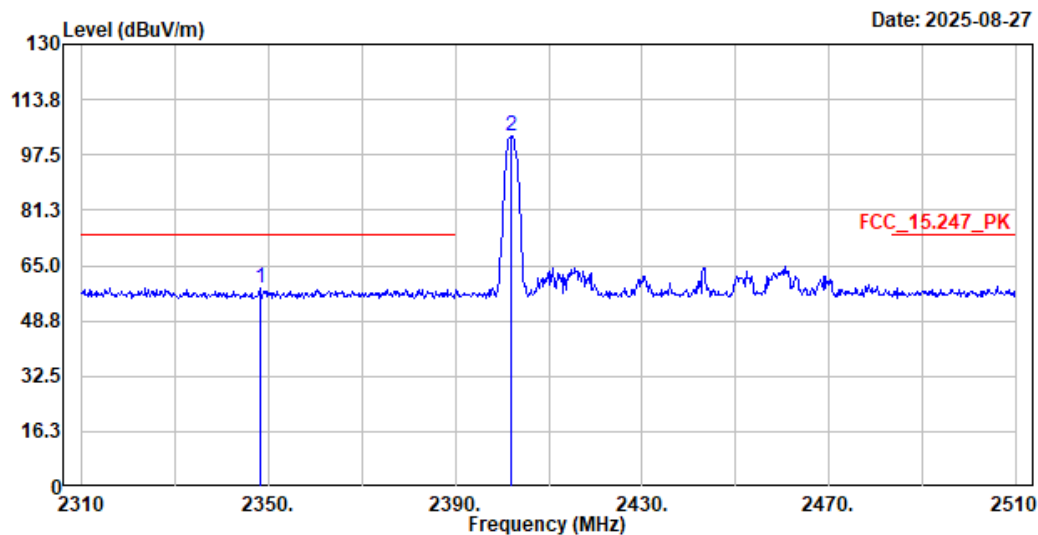
Note:

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	99.55	-30.755	68.795	--	--
2486.4	58.31	-30.755	27.555	-26.445	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		
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	2348.400	58.41	74.00	-15.59	27.99	30.42	Peak
2	2402.000	103.05	-----	-----	72.59	30.46	Peak

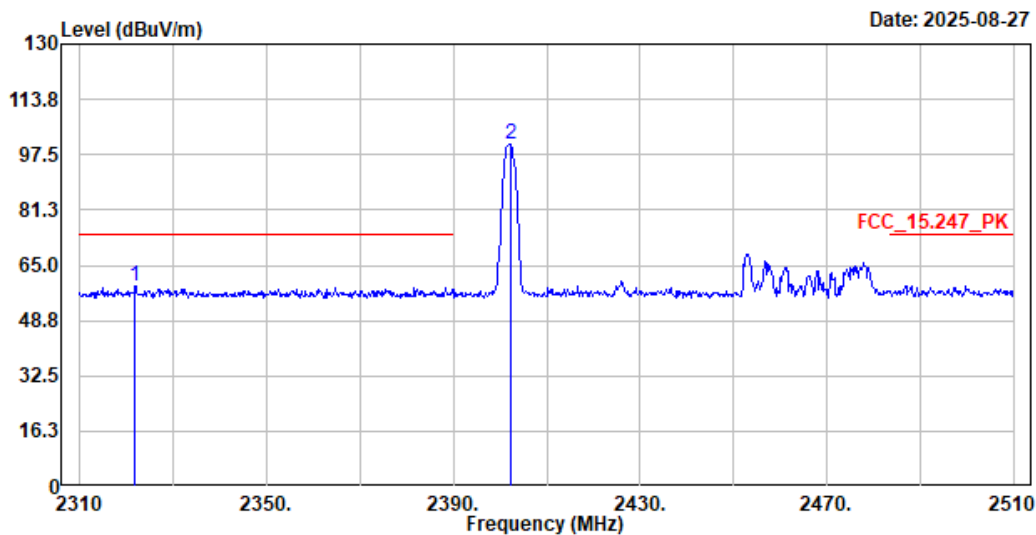
Note:

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)
2348.4	58.41	-30.755	27.655	-26.345	54.000
2402	103.05	-30.755	72.295	--	--

Site :HY-CB03
 Condition :3m ,Vertical
 Mode :TX_BT3M_2402MHz
 Test BY :Ashton



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	2321.800	58.72	74.00	-15.28	28.13	30.59	Peak
2	2402.200	100.64	-----	-----	70.18	30.46	Peak

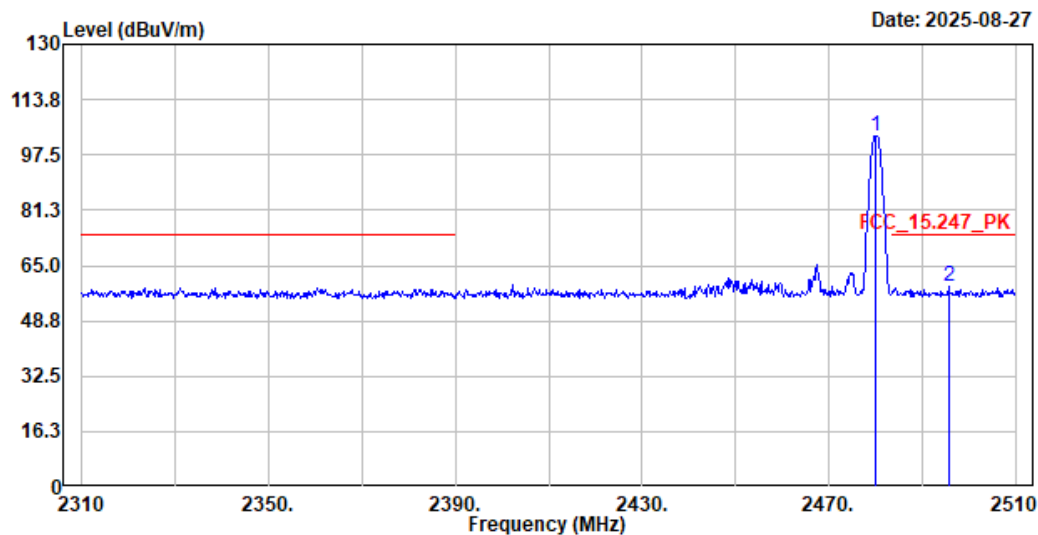
Note:

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)
2321.8	58.72	-30.755	27.965	-26.035	54.000
2402.2	100.64	-30.755	69.885	--	--

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		
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	2480.000	102.98	-----	-----	72.59	30.39	Peak
2	2495.600	58.94	74.00	-15.06	28.43	30.51	Peak

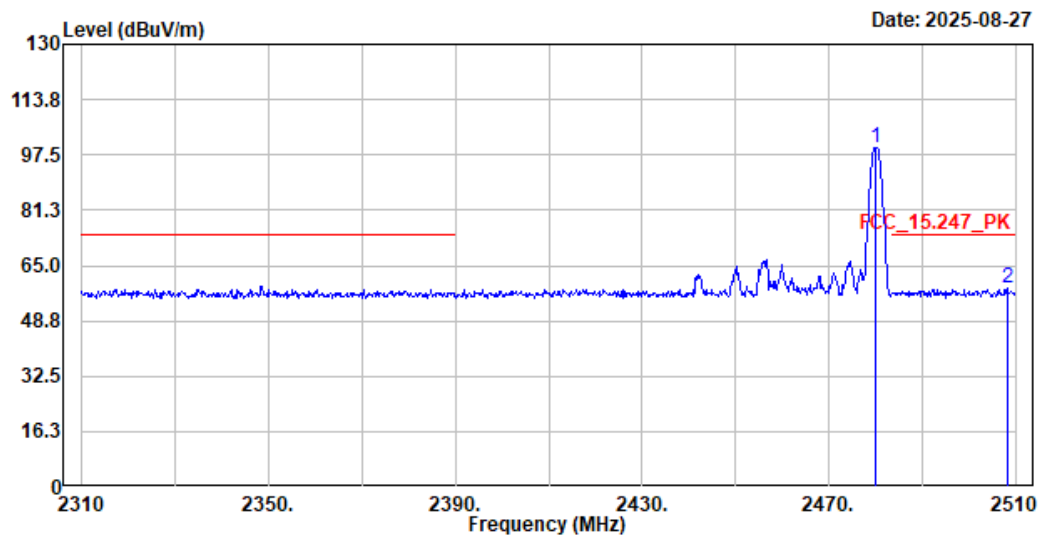
Note:

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	102.98	-30.755	72.225	--	--
2495.6	58.94	-30.755	28.185	-25.815	54.000

Site :HY-CB03
 Condition :3m ,Vertical
 Mode :TX_BT3M_2480MHz
 Test BY :Ashton



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	2480.000	99.63	-----	-----	69.24	30.39	Peak
2	2508.200	58.36	74.00	-15.64	27.85	30.51	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	99.63	-30.755	68.875	--	--
2508.2	58.36	-30.755	27.605	-26.395	54.000