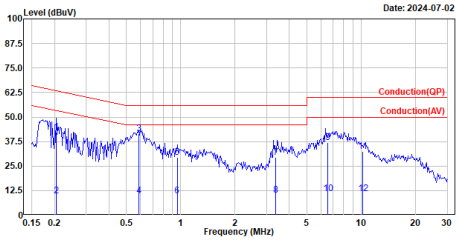
Appendix A. Test Result of AC Power Line Conducted Emission

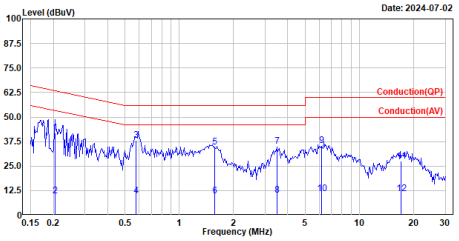
Site :HY-SR01
Condition :Line
Mode :TX_ble1m_2440MHz
test by :Jimmy



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	
1	0.206	42.17	63.38	-21.21	32.49	9.68	QP
2	0.206	9.68	63.38	-53.70	0.00	9.68	Peak
3	0.585	41.62	56.00	-14.38	31.93	9.69	QP
4	0.585	9.69	56.00	-46.31	0.00	9.69	Peak
5	0.957	29.44	56.00	-26.56	19.72	9.72	QP
6	0.957	9.72	56.00	-46.28	0.00	9.72	Peak
7	3.351	29.47	56.00	-26.53	19.19	10.28	QP
8	3.351	10.28	56.00	-45.72	0.00	10.28	Peak
9	6.550	36.93	60.00	-23.07	26.10	10.83	QP
10	6.550	10.83	60.00	-49.17	0.00	10.83	Peak
11	10.162	32.62	60.00	-27.38	21.82	10.80	QP
12	10.162	10.80	60.00	-49.20	0.00	10.80	Peak

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_ble1m_2440MHz
test by :Jimmy



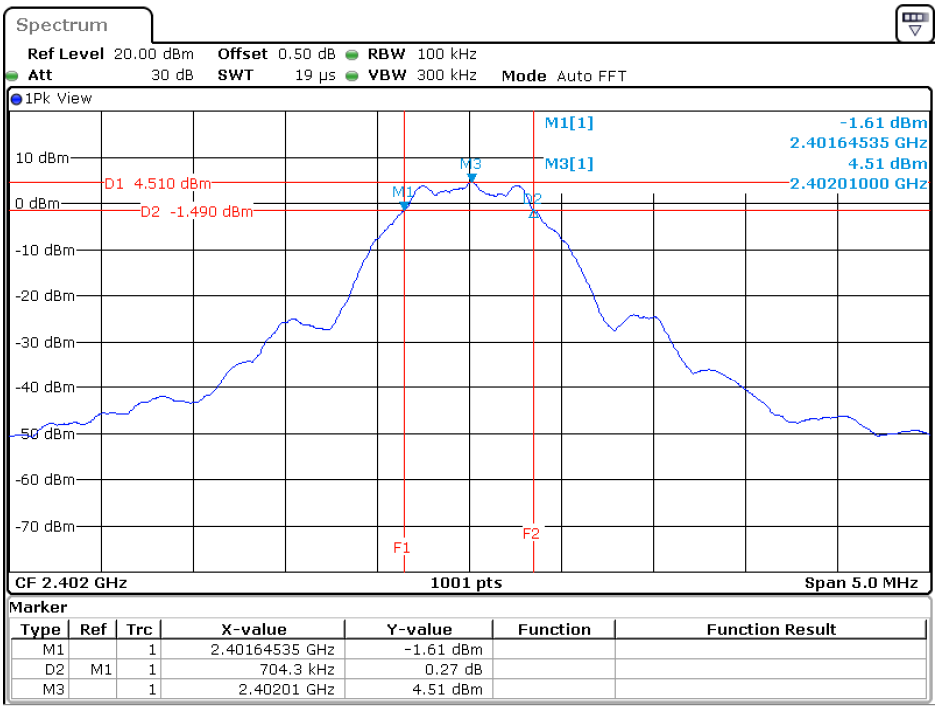
No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	
1	0.205	41.74	63.42	-21.68	32.08	9.66	QP
2	0.205	9.66	63.42	-53.76	0.00	9.66	Peak
3	0.576	38.19	56.00	-17.81	28.53	9.66	QP
4	0.576	9.67	56.00	-46.33	0.01	9.66	Peak
5	1.571	34.55	56.00	-21.45	24.79	9.76	QP
6	1.571	9.76	56.00	-46.24	0.00	9.76	Peak
7	3.496	34.96	56.00	-21.04	24.65	10.31	QP
8	3.496	10.31	56.00	-45.69	0.00	10.31	Peak
9	6.179	35.36	60.00	-24.64	24.55	10.81	QP
10	6.179	10.82	60.00	-49.18	0.01	10.81	Peak
11	17.087	27.58	60.00	-32.42	16.77	10.81	QP
12	17.087	10.81	60.00	-49.19	0.00	10.81	Peak

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

Appendix B. Test Result of 6 dB Bandwidth

Modulation	Frequency (MHz)	Measured Value (kHz)	Limit (kHz)	Result
GFSK	2402	704	500	Pass
	2440	704	500	Pass
	2480	709	500	Pass

GFSK / 2402 MHz



Date: 22.MAY.2024 15:46:02

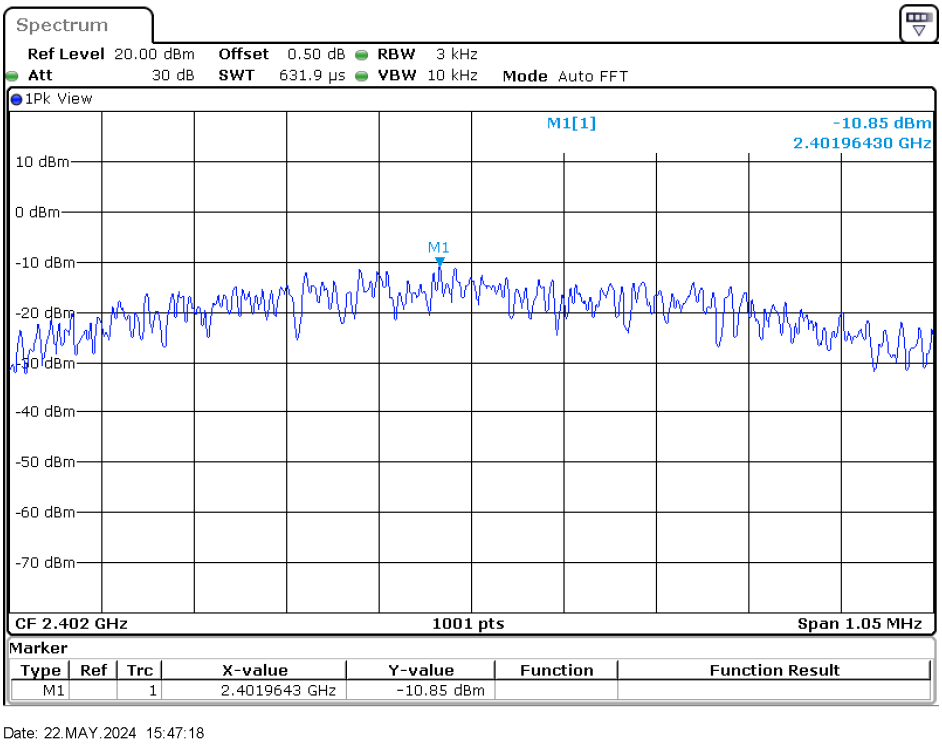
Appendix C. Test Result of Maximum Conducted Output Power

Modulation	Frequency (MHz)	Maximum Conducted Peak Output Power (dBm)	Limit (dBm)	Result
GFSK	2402	4.39	30.00	Pass
	2440	4.00	30.00	Pass
	2480	3.15	30.00	Pass

Appendix D. Test Result of Power Spectral Density

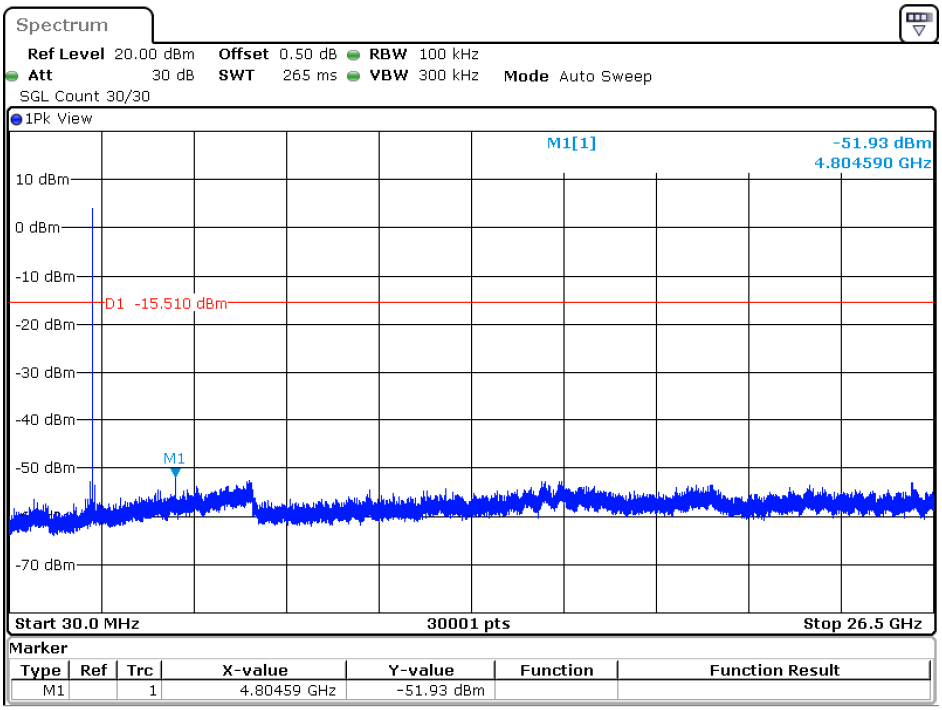
Modulation	Frequency (MHz)	Measure Value (dBm/3kHz)	Limit (dBm/3kHz)	Result
GFSK	2402	-10.85	8.00	Pass
	2440	-11.36	8.00	Pass
	2480	-12.38	8.00	Pass

GFSK / 2402 MHz



Appendix E. Test Result of Antenna Port Conducted Emission

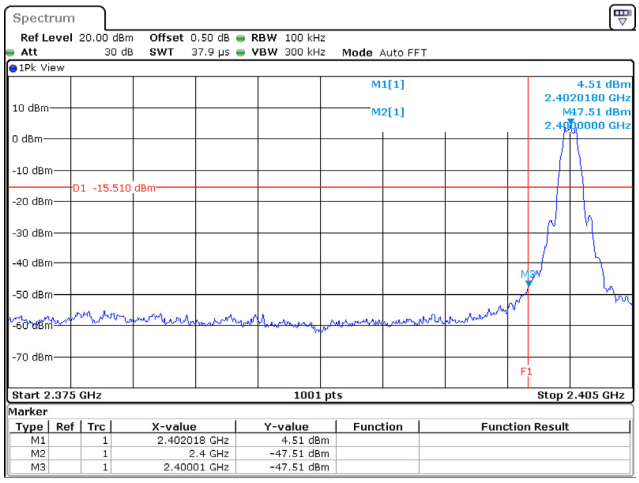
GFSK / 2402 MHz



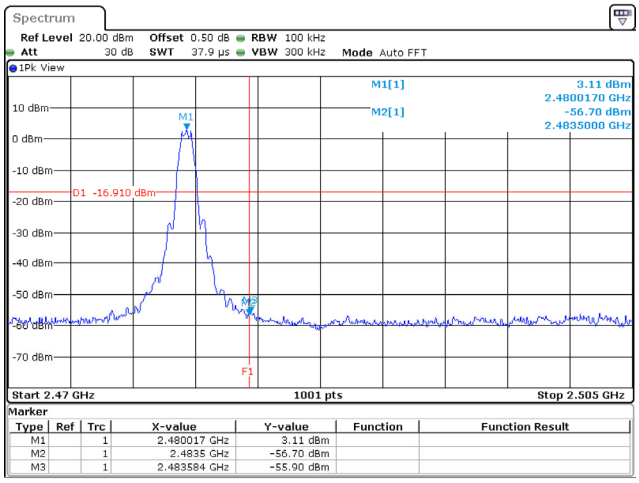
Date: 22.MAY.2024 15:48:13

Modulation	Measurement Level Δ (dB)	Result
GFSK	> 20	PASS

GFSK / 2402 MHz

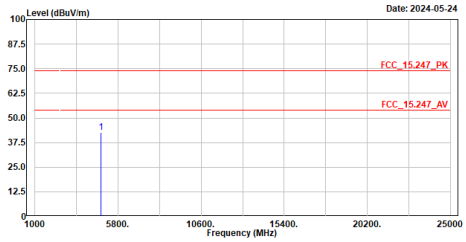


GFSK / 2480 MHz



Appendix F. Test Result of Radiated Emission

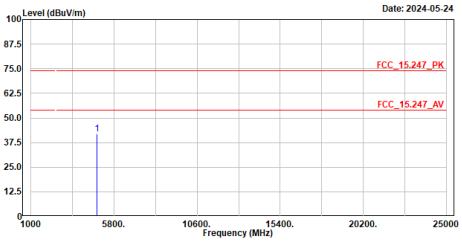
Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_ble1m_2402MHz
Test BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	4804.000	42.67	74.00	-31.33	57.49	-14.82	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.

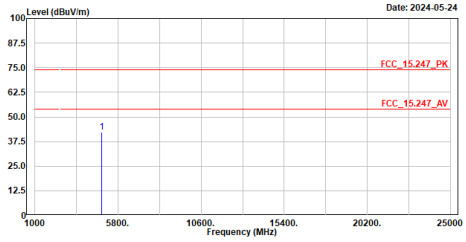
Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_ble1m_2402MHz
Test BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	4804.000	42.06	74.00	-31.94	56.88	-14.82	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.

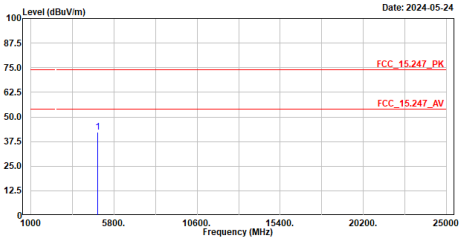
Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_ble1m_2440MHz
Test BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	4880.000	42.16	74.00	-31.84	56.73	-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.

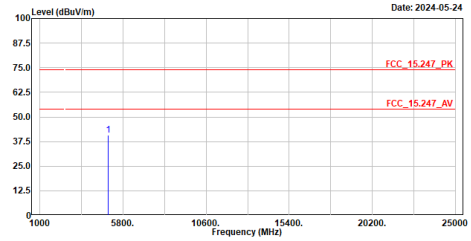
Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_ble1m_2440MHz
Test BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	4880.000	42.25	74.00	-31.75	56.82	-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.

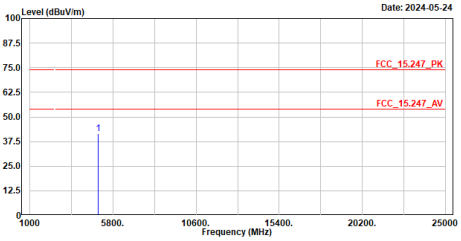
Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_ble1m_2480MHz
Test BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	4960.000	40.80	74.00	-33.20	55.12	-14.32	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.

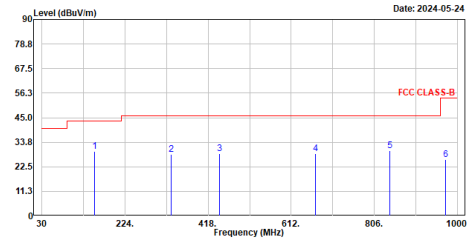
Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_ble1m_2480MHz
Test BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	4960.000	41.65	74.00	-32.35	55.97	-14.32	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.

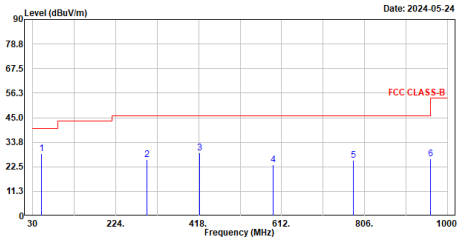
Site :HY-CB01
Condition :3m ,HORIZONTAL
Mode :TX_ble1m_2440MHz
Test BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	152.220	29.51	43.50	-13.99	53.33	-23.82	QP
2	332.640	28.17	46.00	-17.83	50.06	-21.89	QP
3	444.190	28.37	46.00	-17.63	47.29	-18.92	QP
4	668.260	28.38	46.00	-17.62	42.97	-14.59	QP
5	841.890	29.97	46.00	-16.03	42.04	-12.07	QP
6	972.840	25.65	54.00	-28.35	36.38	-10.73	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.

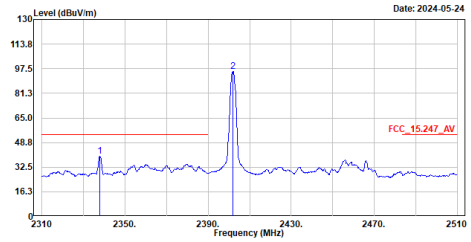
Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_ble1m_2440MHz
Test BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	50.370	28.49	40.00	-11.51	51.87	-23.38	QP
2	296.750	25.86	46.00	-20.14	48.93	-23.07	QP
3	420.910	29.00	46.00	-17.00	48.87	-19.87	QP
4	591.630	23.28	46.00	-22.72	38.91	-15.63	QP
5	779.810	25.42	46.00	-20.58	38.05	-12.63	QP
6	961.200	26.04	54.00	-27.96	36.82	-10.78	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.

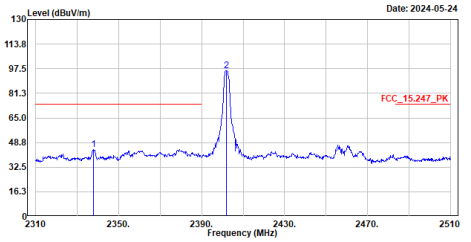
Site :HY-CB01
Condition :3m ,Horizontal
Mode :TX_ble1m_2402MHz
Test BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	2338.000	39.76	54.00	-14.24	34.03	5.73	Average
2	2402.000	95.67	------	------	89.87	5.80	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.

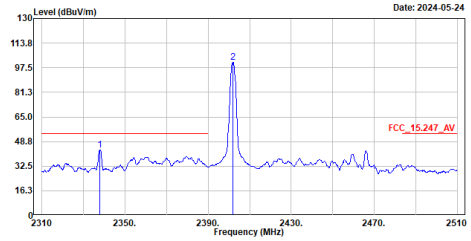
Site :HY-CB01
Condition :3m ,Horizontal
Mode :TX_ble1m_2402MHz
Test BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	2338.000	44.37	74.00	-29.63	38.64	5.73	Peak
2	2401.800	96.17	------	------	90.37	5.80	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.

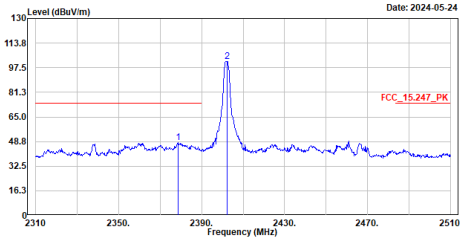
Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_ble1m_2402MHz
Test BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	2338.000	43.20	54.00	-10.80	37.47	5.73	Average
2	2402.000	101.20	------	------	95.40	5.80	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.

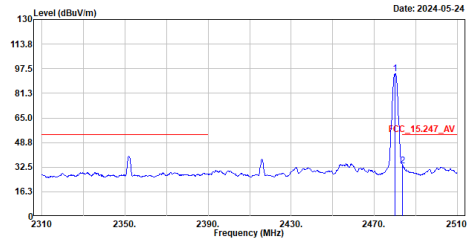
Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_ble1m_2402MHz
Test BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	2378.600	47.93	74.00	-26.07	42.16	5.77	Peak
2	2402.200	101.77	------	------	95.97	5.80	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.

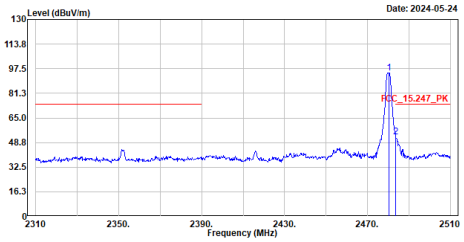
Site :HY-CB01
Condition :3m ,Horizontal
Mode :TX_ble1m_2480MHz
Test BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	2480.000	94.33	------	------	88.61	5.72	Average
2	2483.600	33.25	54.00	-20.75	27.53	5.72	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.

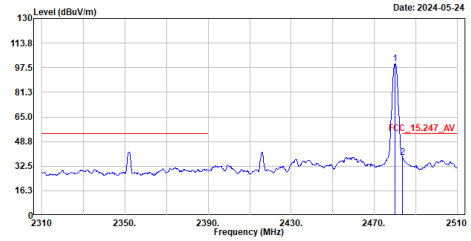
Site :HY-CB01
Condition :3m ,Horizontal
Mode :TX_ble1m_2480MHz
Test BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	2480.400	94.90	------	------	89.18	5.72	Peak
2	2483.600	52.63	74.00	-21.37	46.91	5.72	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.

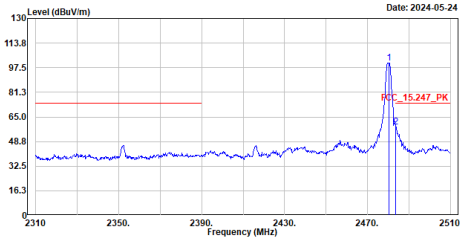
Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_ble1m_2480MHz
Test BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	2480.000	100.00	------	------	94.28	5.72	Average
2	2483.600	38.40	54.00	-15.60	32.68	5.72	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.

Site :HY-CB01
Condition :3m ,VERTICAL
Mode :TX_ble1m_2480MHz
Test BY :Caster



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	2480.400	100.55	------	------	94.83	5.72	Peak
2	2483.600	58.56	74.00	-15.44	52.84	5.72	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.