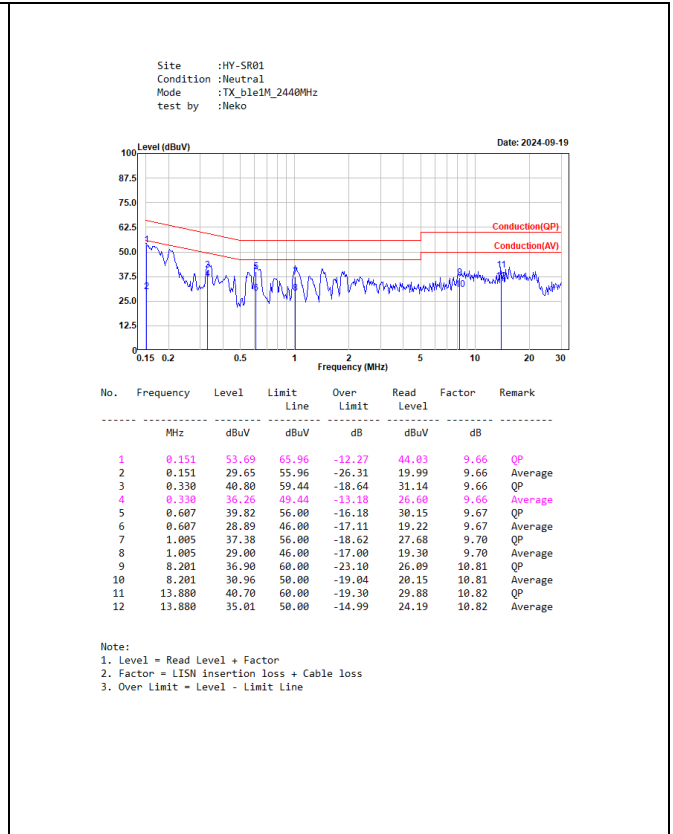
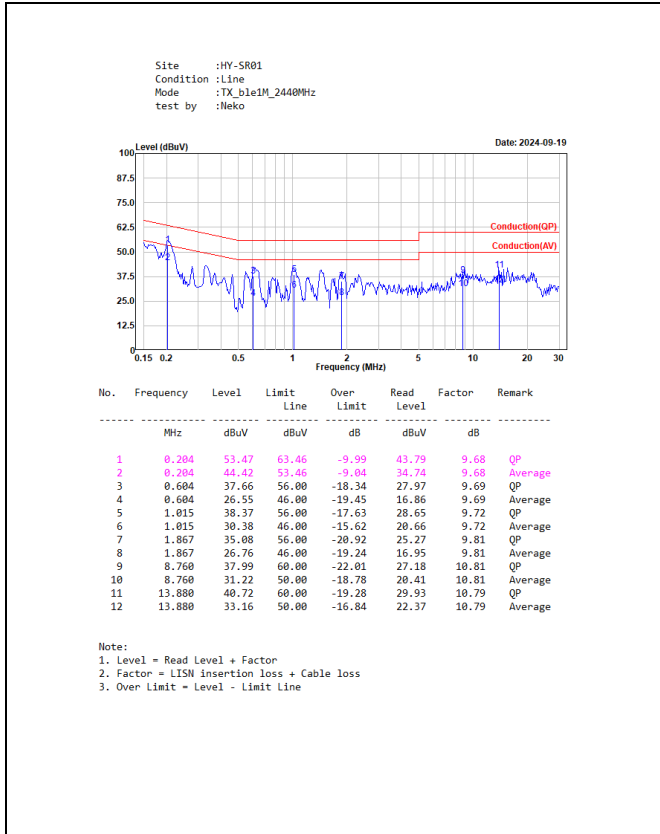
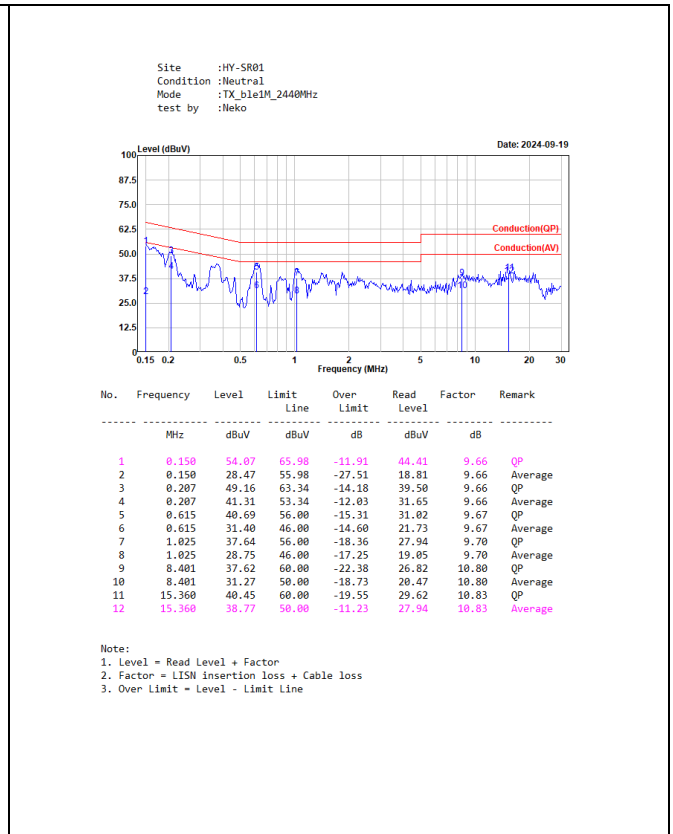
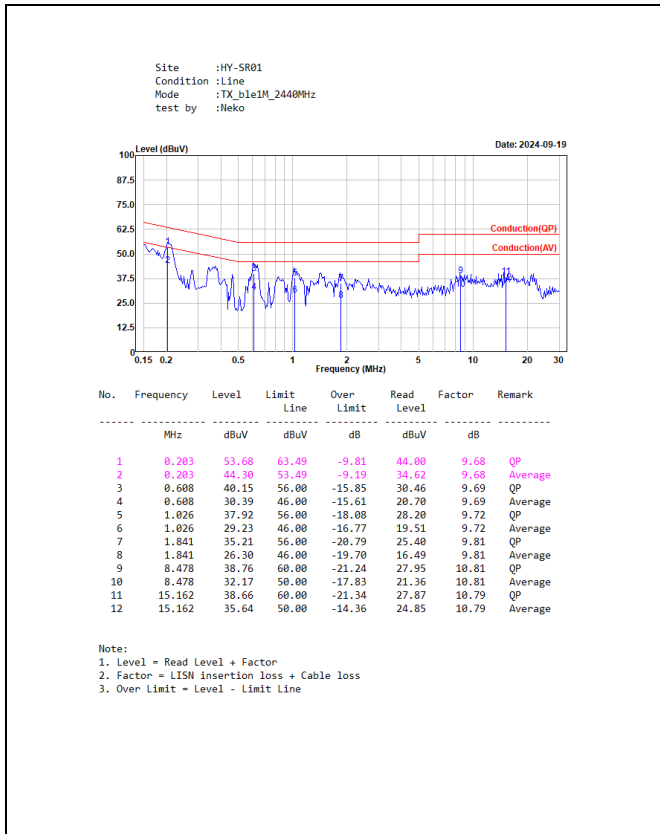


Appendix A. Test Result of AC Power Line Conducted Emission

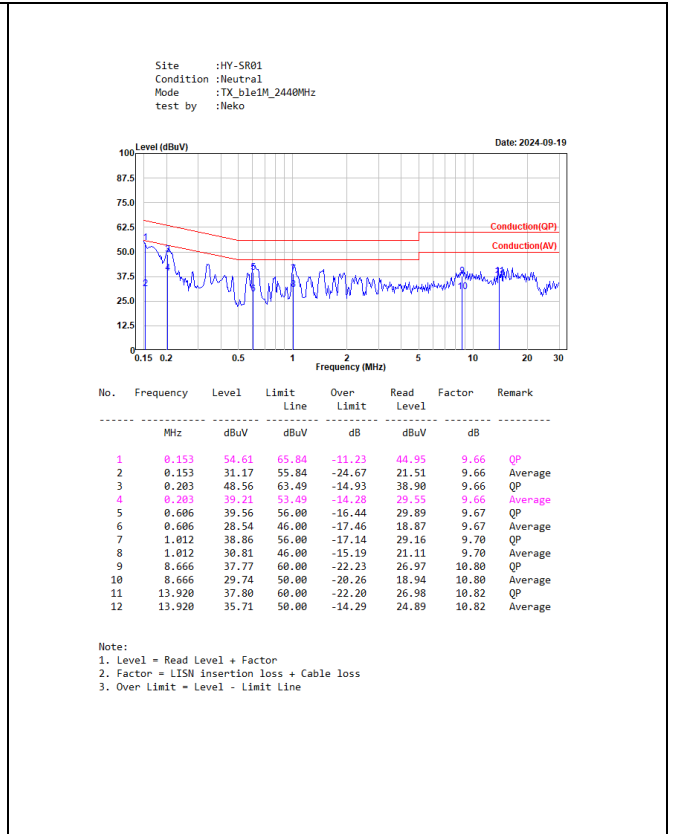
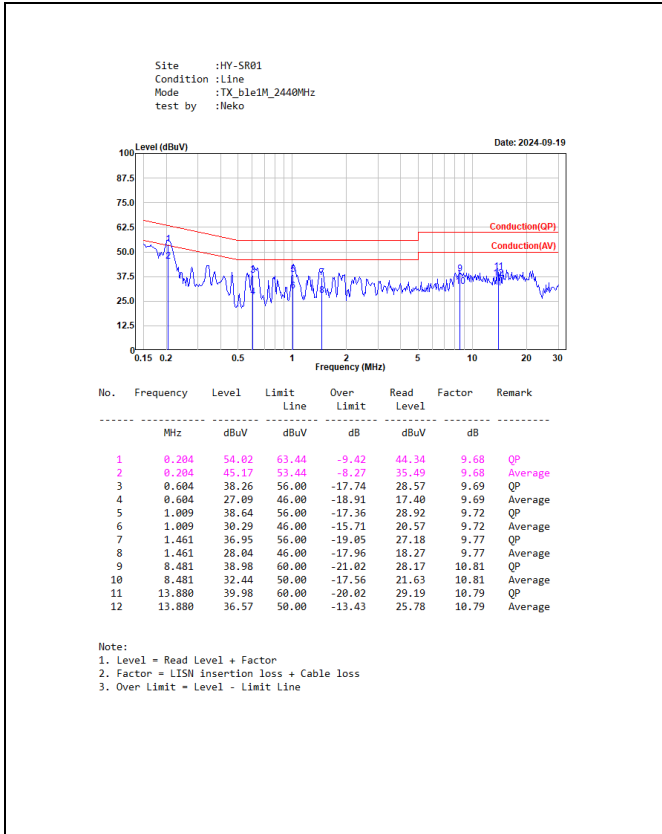
Transmit Mode (DC 5V)



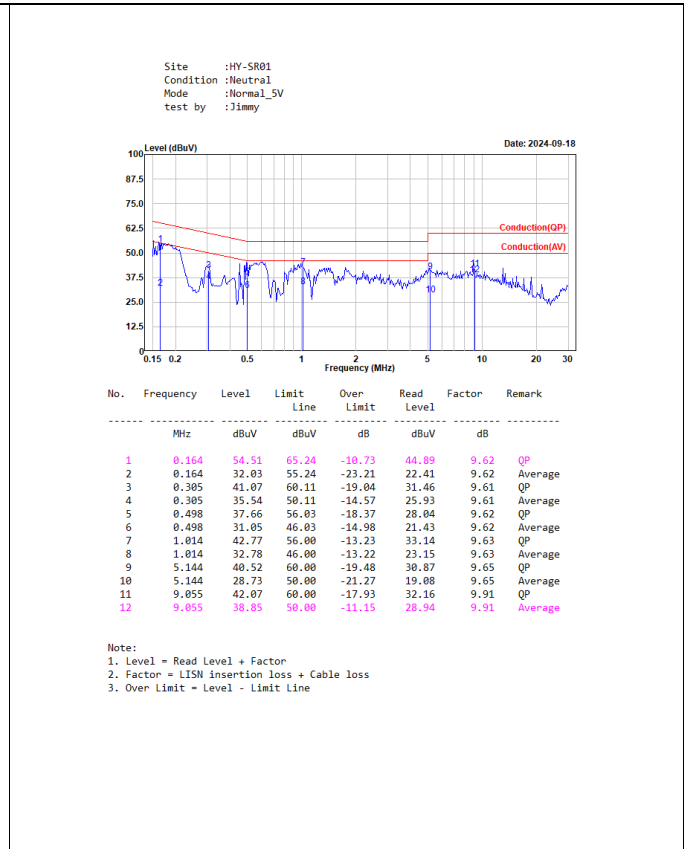
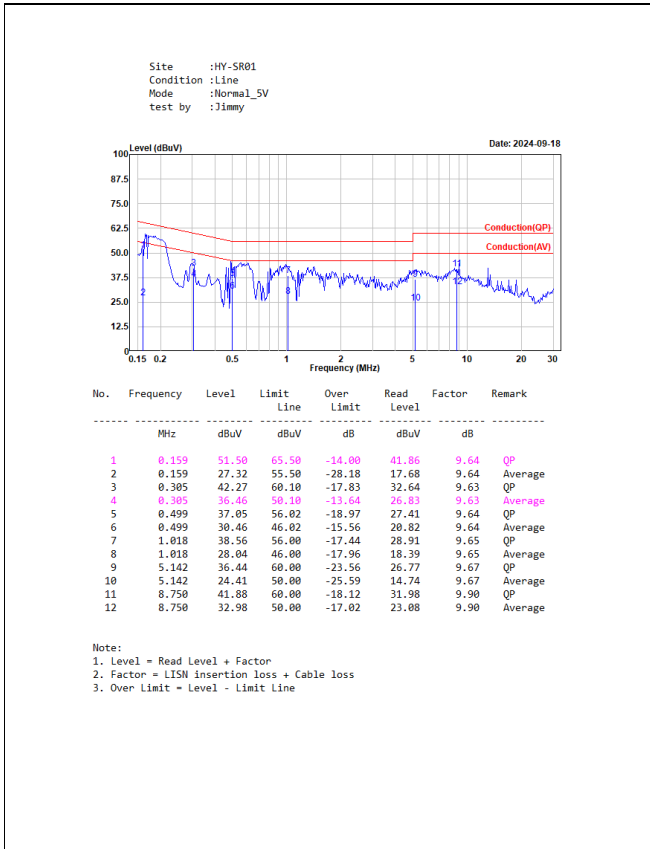
Transmit Mode (DC 12V)



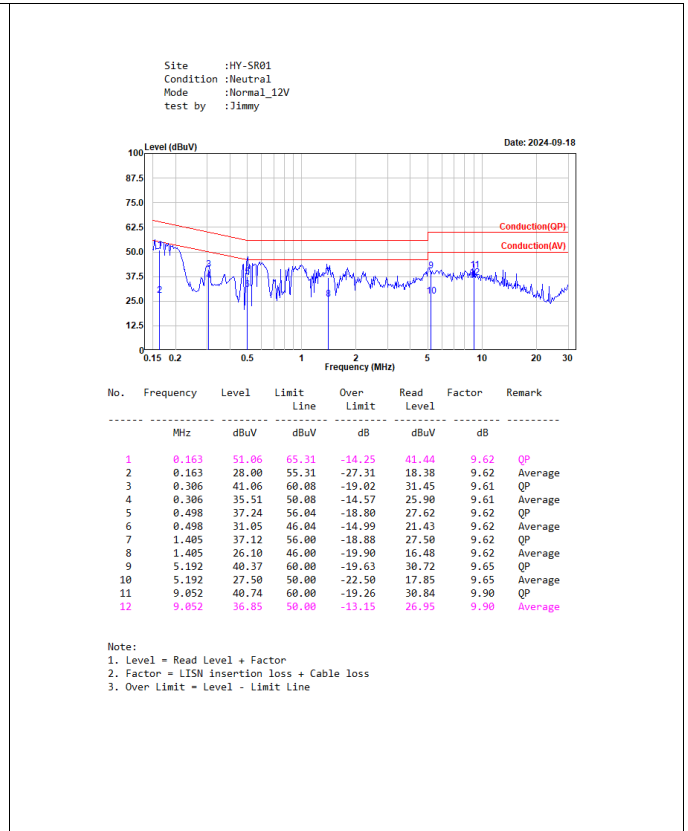
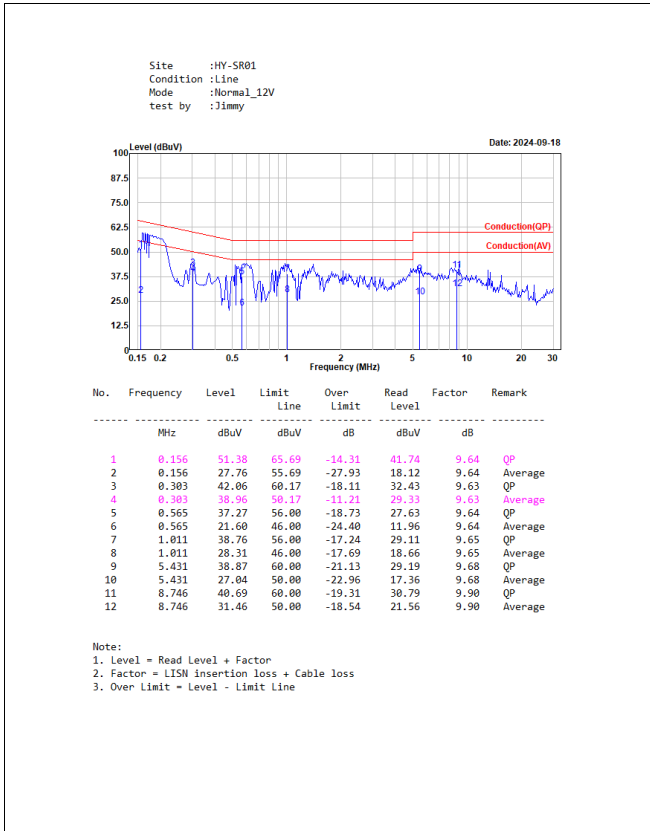
Transmit Mode (DC 20V)



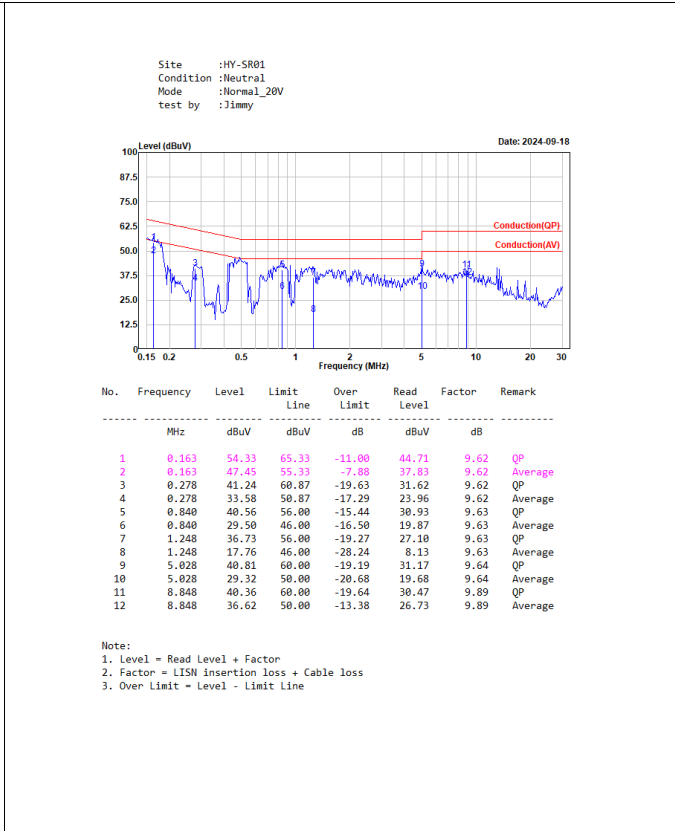
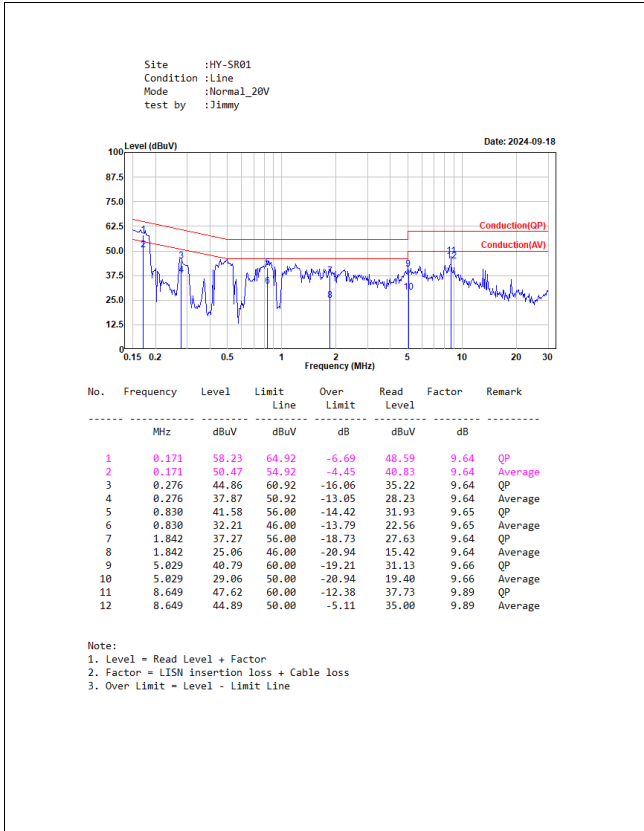
Normal Mode (DC 5V)



Normal Mode (DC 12V)

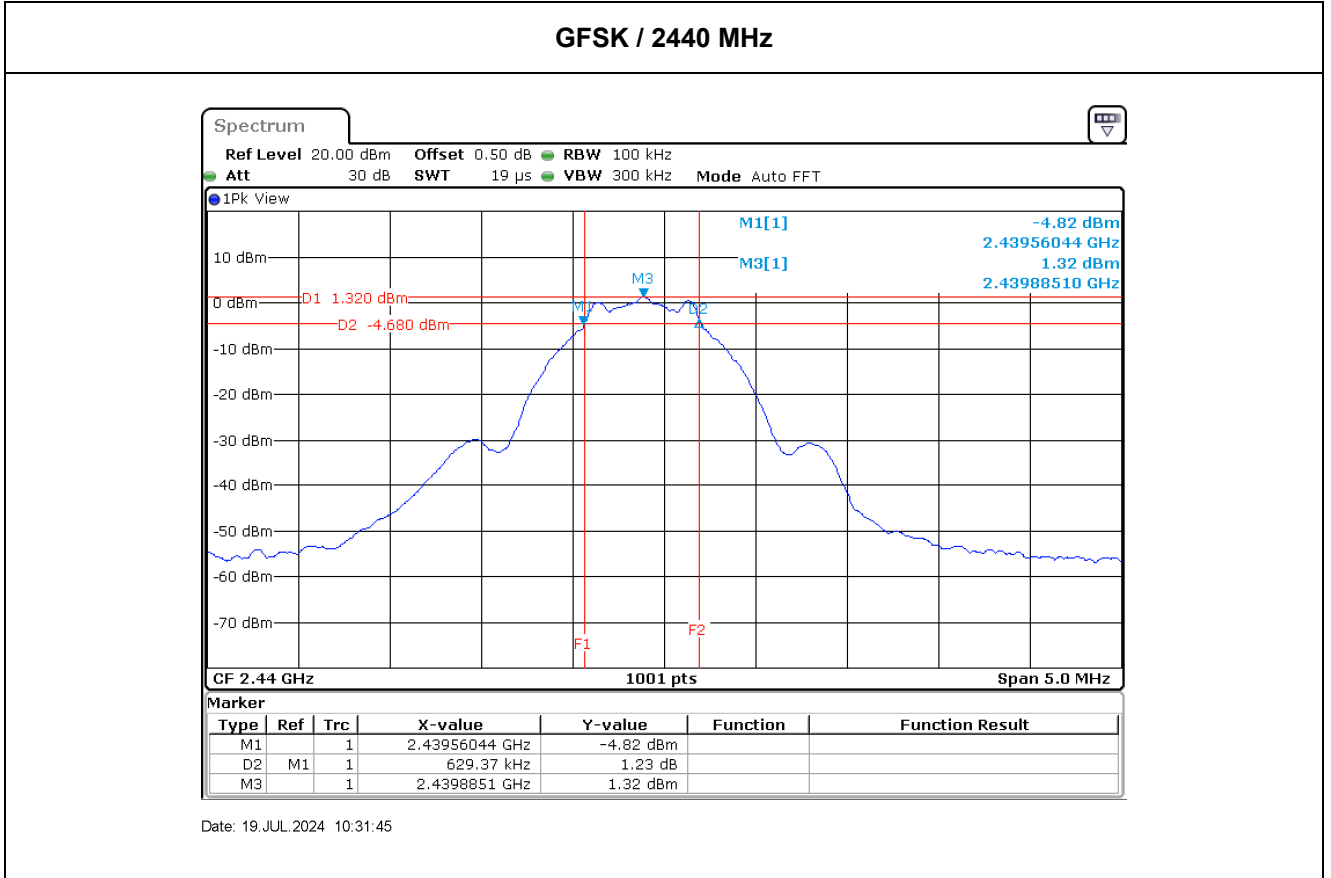


Normal Mode (DC 20V)



Appendix B. Test Result of 6dB Bandwidth

Modulation	Frequency (MHz)	Measured Value (kHz)	Limit (kHz)	Result
GFSK	2402	634	>500	Pass
	2440	629	>500	Pass
	2480	629	>500	Pass

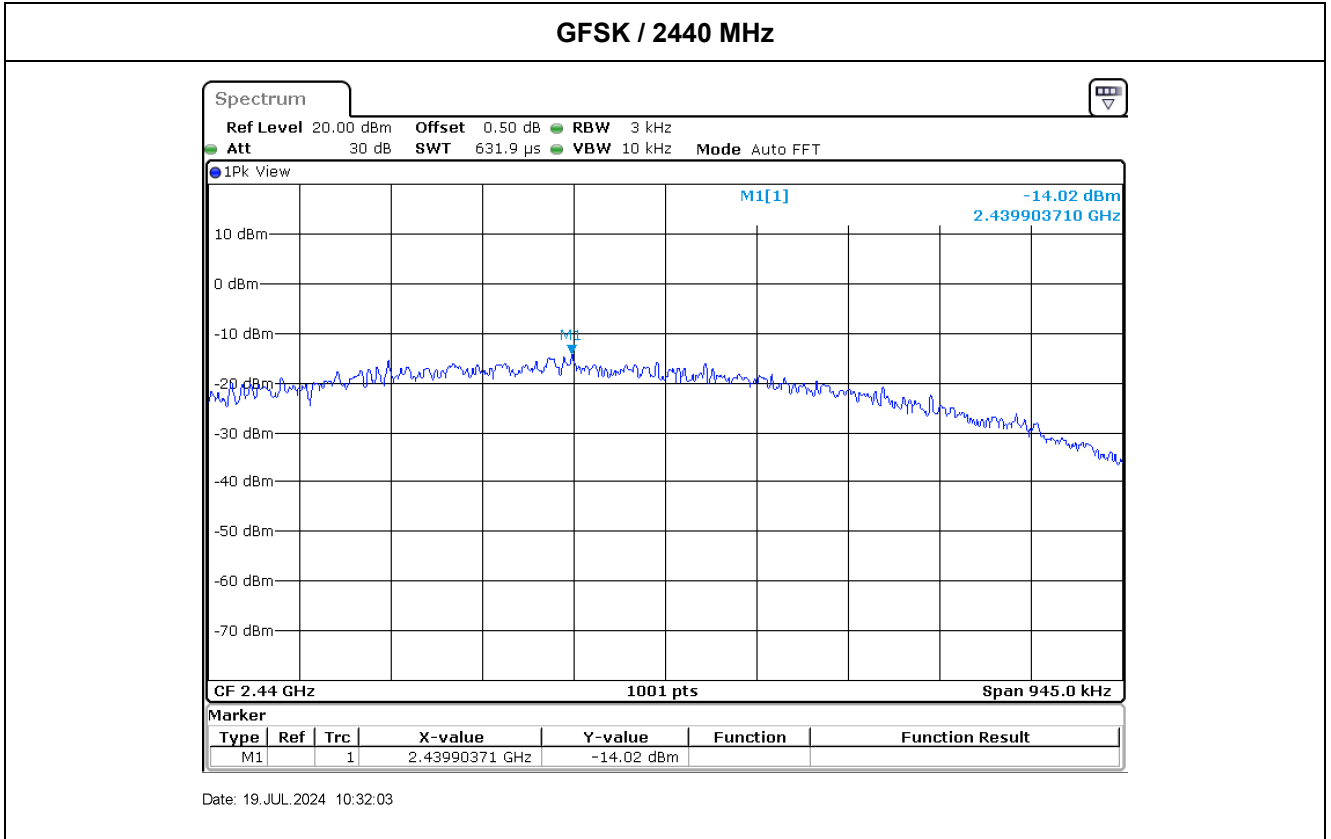


Appendix C. Test Result of Maximum Conducted Output Power

Modulation	Frequency (MHz)	Maximum Conducted Peak Output Power (dBm)	Limit (dBm)	Result
GFSK	2402	1.61	30.00	Pass
	2440	-1.35	30.00	Pass
	2480	-2.95	30.00	Pass

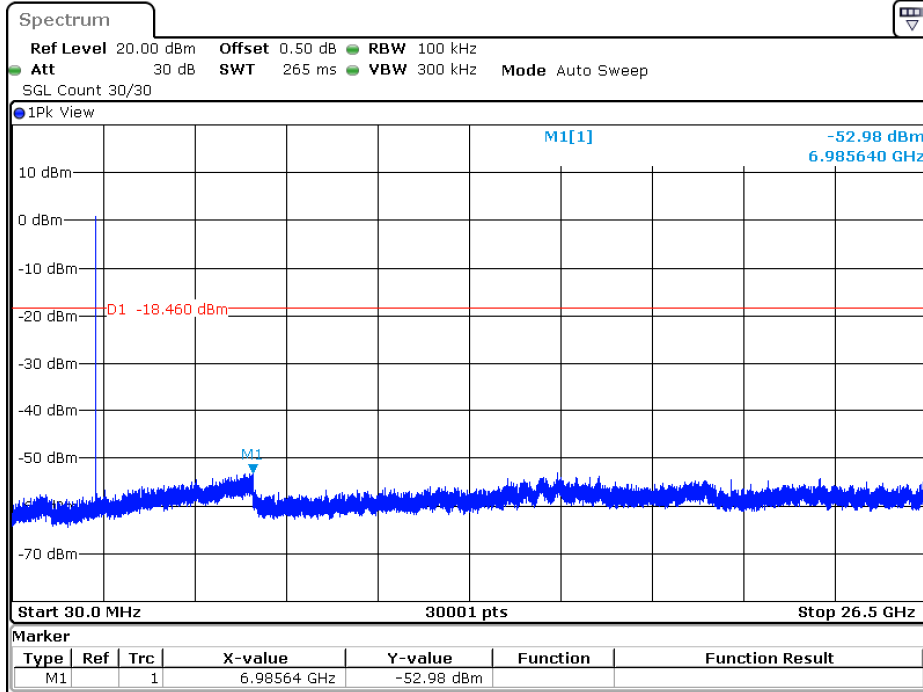
Appendix D. Test Result of Power Spectral Density

Modulation	Frequency (MHz)	Measure Value (dBm/3kHz)	Limit (dBm/3kHz)	Result
GFSK	2402	-14.58	8.00	Pass
	2440	-14.02	8.00	Pass
	2480	-15.46	8.00	Pass



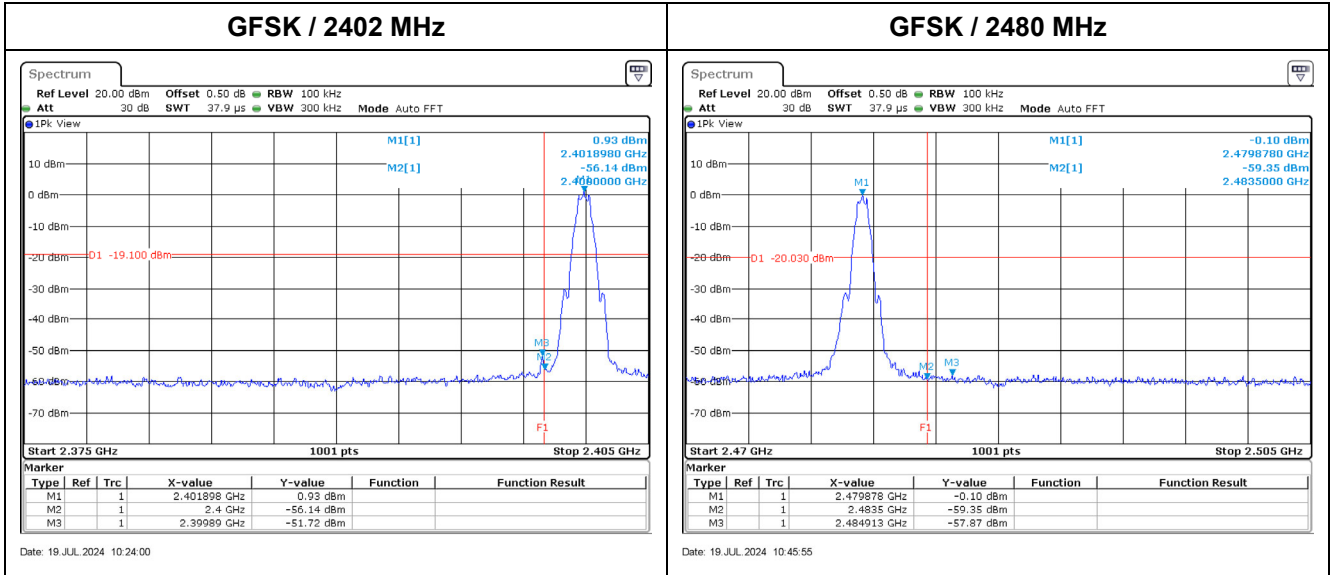
Appendix E. Test Result of Antenna Port Conducted Emission

GFSK / 2440 MHz



Date: 19.JUL.2024 10:37:34

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

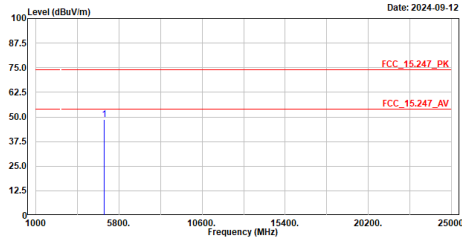


Appendix F. Test Result of Radiated Emission

Transmit Mode

<p>Site :HY-CB01 Condition :3m ,HORIZONTAL Mode :TX_ble1M_2402MHz TEST BY :Peter</p> <p style="text-align: right;">Date: 2024-09-12</p> <table border="1"> <thead> <tr> <th>No.</th> <th>Frequency</th> <th>Level</th> <th>Limit</th> <th>Over</th> <th>Read</th> <th>Factor</th> <th>Remark</th> </tr> <tr> <th></th> <th>MHz</th> <th>dBuV/m</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV</th> <th>dB/m</th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>4804.000</td> <td>51.49</td> <td>54.00</td> <td>-2.51</td> <td>66.31</td> <td>-14.82</td> <td>Average</td> </tr> <tr> <td>2</td> <td>4804.000</td> <td>55.45</td> <td>74.00</td> <td>-18.55</td> <td>70.27</td> <td>-14.82</td> <td>Peak</td> </tr> </tbody> </table> <p>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.</p>	No.	Frequency	Level	Limit	Over	Read	Factor	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		1	4804.000	51.49	54.00	-2.51	66.31	-14.82	Average	2	4804.000	55.45	74.00	-18.55	70.27	-14.82	Peak	<p>Site :HY-CB01 Condition :3m ,VERTICAL Mode :TX_ble1M_2402MHz TEST BY :Peter</p> <p style="text-align: right;">Date: 2024-09-12</p> <table border="1"> <thead> <tr> <th>No.</th> <th>Frequency</th> <th>Level</th> <th>Limit</th> <th>Over</th> <th>Read</th> <th>Factor</th> <th>Remark</th> </tr> <tr> <th></th> <th>MHz</th> <th>dBuV/m</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV</th> <th>dB/m</th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>4804.000</td> <td>52.67</td> <td>74.00</td> <td>-21.33</td> <td>67.49</td> <td>-14.82</td> <td>Peak</td> </tr> </tbody> </table> <p>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.</p>	No.	Frequency	Level	Limit	Over	Read	Factor	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		1	4804.000	52.67	74.00	-21.33	67.49	-14.82	Peak
No.	Frequency	Level	Limit	Over	Read	Factor	Remark																																																		
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m																																																			
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2	4804.000	55.45	74.00	-18.55	70.27	-14.82	Peak																																																		
No.	Frequency	Level	Limit	Over	Read	Factor	Remark																																																		
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m																																																			
1	4804.000	52.67	74.00	-21.33	67.49	-14.82	Peak																																																		
<p>Site :HY-CB01 Condition :3m ,HORIZONTAL Mode :TX_ble1M_2440MHz TEST BY :Peter</p> <p style="text-align: right;">Date: 2024-09-12</p> <table border="1"> <thead> <tr> <th>No.</th> <th>Frequency</th> <th>Level</th> <th>Limit</th> <th>Over</th> <th>Read</th> <th>Factor</th> <th>Remark</th> </tr> <tr> <th></th> <th>MHz</th> <th>dBuV/m</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV</th> <th>dB/m</th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>4880.000</td> <td>51.24</td> <td>74.00</td> <td>-22.76</td> <td>65.81</td> <td>-14.57</td> <td>Peak</td> </tr> </tbody> </table> <p>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.</p>	No.	Frequency	Level	Limit	Over	Read	Factor	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		1	4880.000	51.24	74.00	-22.76	65.81	-14.57	Peak	<p>Site :HY-CB01 Condition :3m ,VERTICAL Mode :TX_ble1M_2440MHz TEST BY :Peter</p> <p style="text-align: right;">Date: 2024-09-12</p> <table border="1"> <thead> <tr> <th>No.</th> <th>Frequency</th> <th>Level</th> <th>Limit</th> <th>Over</th> <th>Read</th> <th>Factor</th> <th>Remark</th> </tr> <tr> <th></th> <th>MHz</th> <th>dBuV/m</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV</th> <th>dB/m</th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>4880.000</td> <td>52.95</td> <td>74.00</td> <td>-21.05</td> <td>67.52</td> <td>-14.57</td> <td>Peak</td> </tr> </tbody> </table> <p>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.</p>	No.	Frequency	Level	Limit	Over	Read	Factor	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		1	4880.000	52.95	74.00	-21.05	67.52	-14.57	Peak								
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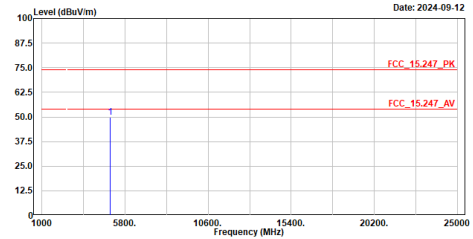
Site :HY-CB01
 Condition :3m ,HORIZONTAL
 Mode :TX_b1e1M_2480MHz
 TEST BY :Peter



No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB/m	Remark
1	4960.000	48.61	74.00	-25.39	62.93	-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.

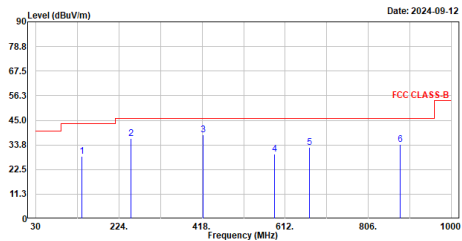
Site :HY-CB01
 Condition :3m ,VERTICAL
 Mode :TX_b1e1M_2480MHz
 TEST BY :Peter



No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB/m	Remark
1	4960.000	49.68	74.00	-24.32	64.00	-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.

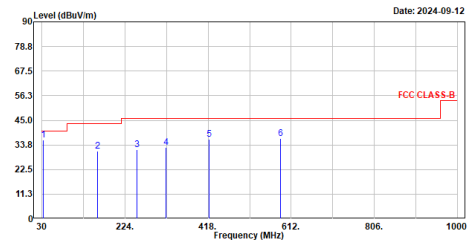
Site :HY-CB01
 Condition :3m ,HORIZONTAL
 Mode :TX_b1e1M_2440MHz_5V
 TEST BY :Peter



No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB/m	Remark
1	137.670	28.44	43.50	-15.06	53.03	-24.59	QP
2	252.130	36.59	46.00	-9.41	61.36	-24.77	QP
3	419.940	38.51	46.00	-7.49	58.40	-19.89	QP
4	587.750	29.62	46.00	-16.38	45.38	-15.76	QP
5	668.260	32.76	46.00	-13.24	47.35	-14.59	QP
6	880.690	33.81	46.00	-12.19	45.80	-11.99	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.

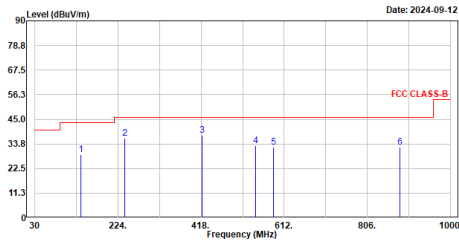
Site :HY-CB01
 Condition :3m ,VERTICAL
 Mode :TX_b1e1M_2440MHz_5V
 TEST BY :Peter



No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB/m	Remark
1	33.880	35.96	40.00	-4.04	60.91	-24.95	QP
2	159.980	30.96	43.50	-12.54	54.80	-23.84	QP
3	252.130	31.75	46.00	-14.25	56.52	-24.77	QP
4	328.630	32.56	46.00	-13.44	54.89	-22.33	QP
5	419.940	36.44	46.00	-9.56	56.33	-19.89	QP
6	587.750	36.70	46.00	-9.30	52.46	-15.76	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.

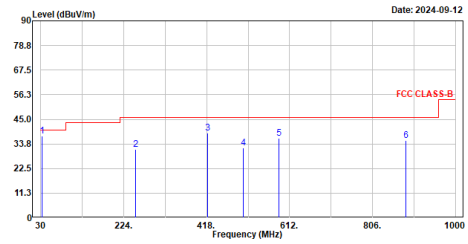
Site :HY-CB01
 Condition :3m ,HORIZONTAL
 Mode :TX_b1e1M_2440MHz_12V
 TEST BY :Peter



No.	Frequency MHz	Level dBuV/m	Limit dBuV/m	Over Limit dB	Read Level dBuV	Factor dB/m	Remark
1	137.670	28.94	43.50	-14.56	53.53	-24.59	QP
2	239.520	36.35	46.00	-9.65	61.33	-24.98	QP
3	419.940	37.83	46.00	-8.17	57.72	-19.89	QP
4	545.070	32.89	46.00	-13.11	50.13	-17.24	QP
5	587.750	32.31	46.00	-13.69	48.07	-15.76	QP
6	881.660	32.11	46.00	-13.89	44.06	-11.95	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.

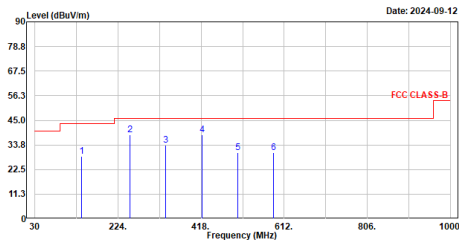
Site :HY-CB01
 Condition :3m ,VERTICAL
 Mode :TX_b1e1M_2440MHz_12V
 TEST BY :Peter



No.	Frequency MHz	Level dBuV/m	Limit dBuV/m	Over Limit dB	Read Level dBuV	Factor dB/m	Remark
1	33.880	37.20	40.00	-2.80	62.15	-24.95	QP
2	252.130	31.09	46.00	-14.91	55.86	-24.77	QP
3	419.940	38.58	46.00	-7.42	58.47	-19.89	QP
4	504.330	31.82	46.00	-14.18	49.66	-17.84	QP
5	587.750	36.18	46.00	-9.82	51.94	-15.76	QP
6	883.600	35.37	46.00	-10.63	47.24	-11.87	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.

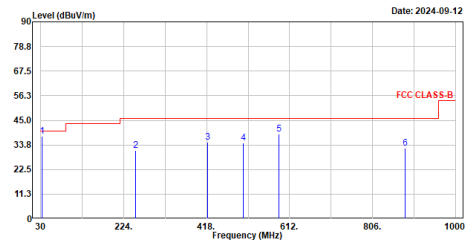
Site :HY-CB01
 Condition :3m ,Horizontal
 Mode :TX_b1e1M_2440MHz_20V
 TEST BY :Peter



No.	Frequency MHz	Level dBuV/m	Limit dBuV/m	Over Limit dB	Read Level dBuV	Factor dB/m	Remark
1	138.640	28.54	43.50	-14.96	52.96	-24.42	QP
2	252.130	38.25	46.00	-7.75	63.02	-24.77	QP
3	335.550	33.68	46.00	-12.32	55.55	-21.87	QP
4	419.940	38.29	46.00	-7.71	58.18	-19.89	QP
5	504.330	30.38	46.00	-15.62	48.22	-17.84	QP
6	587.750	30.29	46.00	-15.71	46.85	-15.76	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.

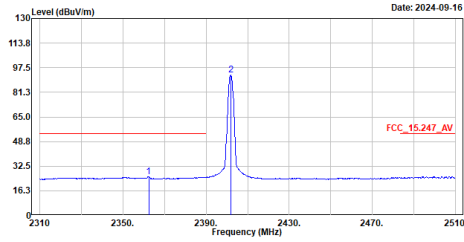
Site :HY-CB01
 Condition :3m ,Vertical
 Mode :TX_b1e1M_2440MHz_20V
 TEST BY :Peter



No.	Frequency MHz	Level dBuV/m	Limit dBuV/m	Over Limit dB	Read Level dBuV	Factor dB/m	Remark
1	33.880	37.53	40.00	-2.47	62.48	-24.95	QP
2	252.130	31.37	46.00	-14.63	56.14	-24.77	QP
3	419.940	35.00	46.00	-11.00	54.89	-19.89	QP
4	504.330	34.66	46.00	-11.34	52.50	-17.84	QP
5	587.750	38.68	46.00	-7.32	54.44	-15.76	QP
6	881.660	32.35	46.00	-13.65	44.30	-11.95	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.

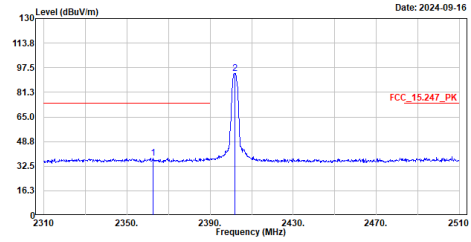
Site :HY-CB01
 Condition :3m ,Horizontal
 Mode :TX_b1e1M_2402MHz
 TEST BY :Peter



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	2362.400	25.56	54.00	-28.44	19.80	5.76	Average
2	2401.800	92.51	-----	-----	86.71	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.

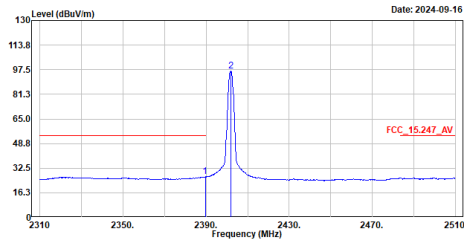
Site :HY-CB01
 Condition :3m ,Horizontal
 Mode :TX_b1e1M_2402MHz
 TEST BY :Peter



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	2362.600	37.75	74.00	-36.25	31.99	5.76	Peak
2	2401.800	93.73	-----	-----	87.93	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.

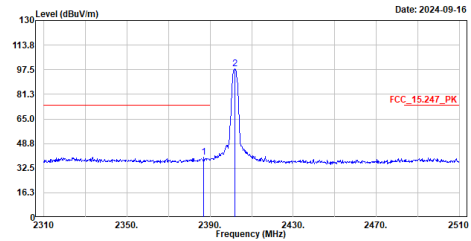
Site :HY-CB01
 Condition :3m ,Vertical
 Mode :TX_b1e1M_2402MHz
 TEST BY :Peter



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	2389.600	26.90	54.00	-27.10	21.01	5.89	Average
2	2401.800	96.70	-----	-----	90.90	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.

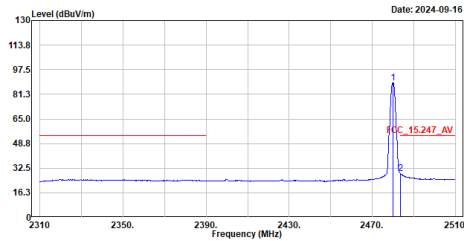
Site :HY-CB01
 Condition :3m ,Vertical
 Mode :TX_b1e1M_2402MHz
 TEST BY :Peter



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	2387.000	39.63	74.00	-34.37	33.78	5.85	Peak
2	2402.000	97.95	-----	-----	92.15	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.

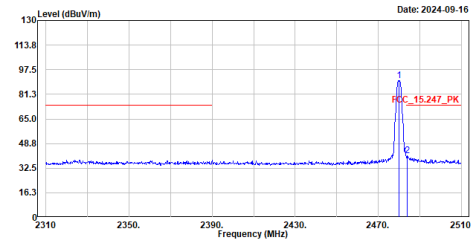
Site :HY-CB01
 Condition :3m ,Horizontal
 Mode :TX_b1e1M_2480MHz
 TEST BY :Peter



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	2480.000	88.86	-----	-----	83.14	5.72	Average
2	2483.600	28.75	54.00	-25.25	23.03	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.

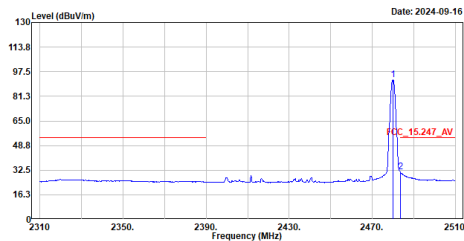
Site :HY-CB01
 Condition :3m ,Horizontal
 Mode :TX_b1e1M_2480MHz
 TEST BY :Peter



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	2480.000	90.22	-----	-----	84.50	5.72	Peak
2	2483.000	40.53	74.00	-33.47	34.81	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.

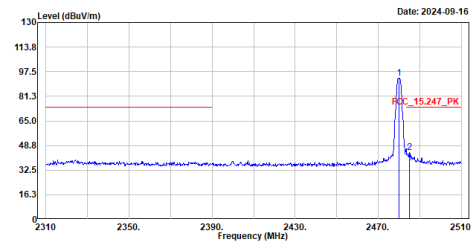
Site :HY-CB01
 Condition :3m ,Vertical
 Mode :TX_b1e1M_2480MHz
 TEST BY :Peter



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	2480.000	92.04	-----	-----	86.32	5.72	Average
2	2483.600	31.25	54.00	-22.75	25.53	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 ,Vertical
 Mode :TX_b1e1M_2480MHz
 TEST BY :Peter



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	
1	2480.000	93.30	-----	-----	87.58	5.72	Peak
2	2485.000	44.31	74.00	-29.69	38.58	5.73	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.

Normal Mode

