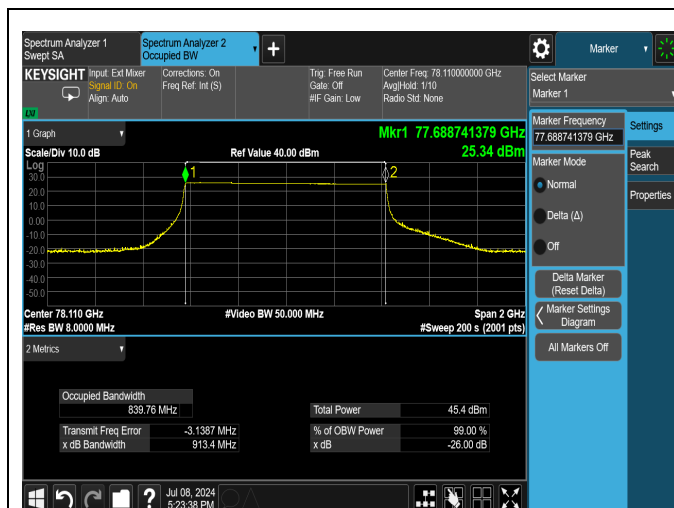

Appendix A. Test Result of AC Power Line Conducted Emission

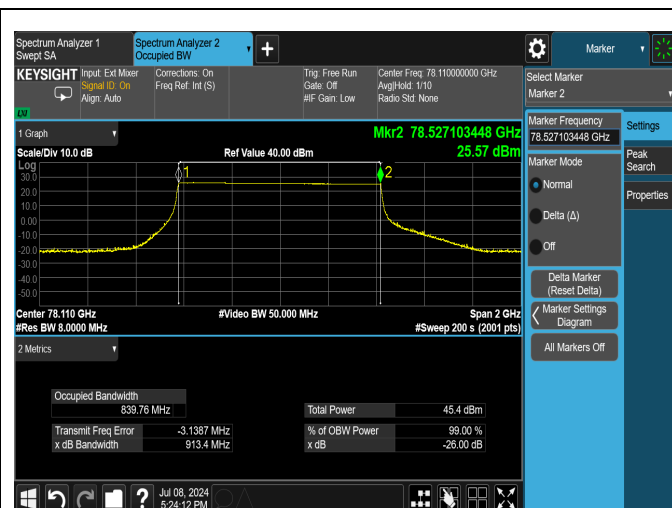
The EUT was powered by battery. It's not necessary to apply to AC Power Line Conducted Emission test.

Appendix B. Test Result of Occupied Bandwidth

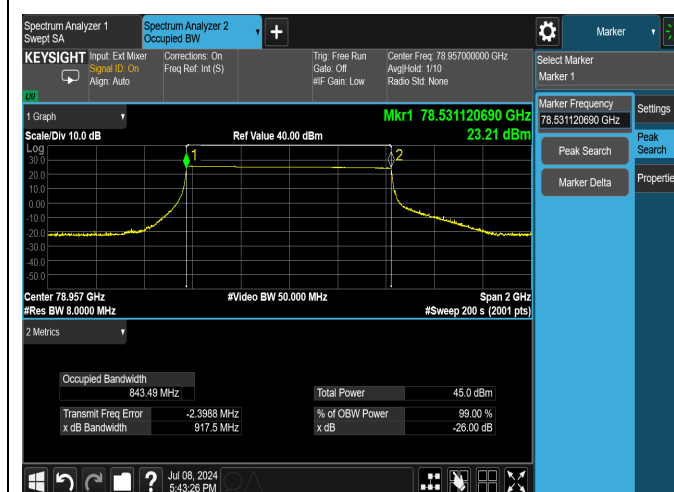
Test Frequency (GHz)	Measurement Value (fL) (GHz)	Measurement Value (fH) (GHz)	Limit (dBm)
78.11	77.6867	78.5271	fL ≥ 76 GHz, fH ≤ 81 GHz
78.957	78.5311	79.3776	fL ≥ 76 GHz, fH ≤ 81 GHz
79.805	79.3773	80.2991	fL ≥ 76 GHz, fH ≤ 81 GHz



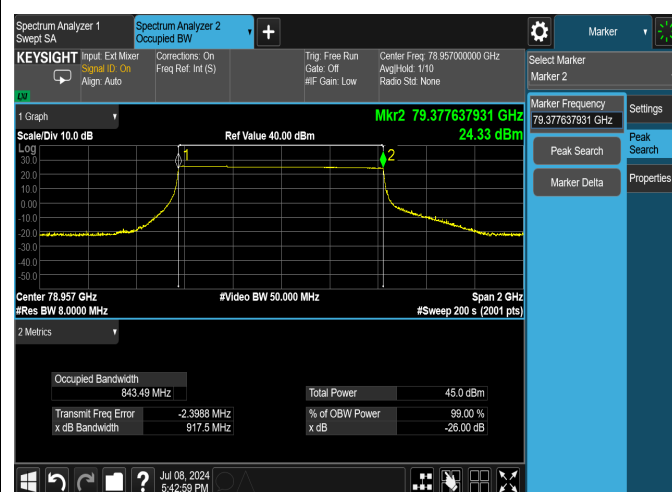
78.11GHz



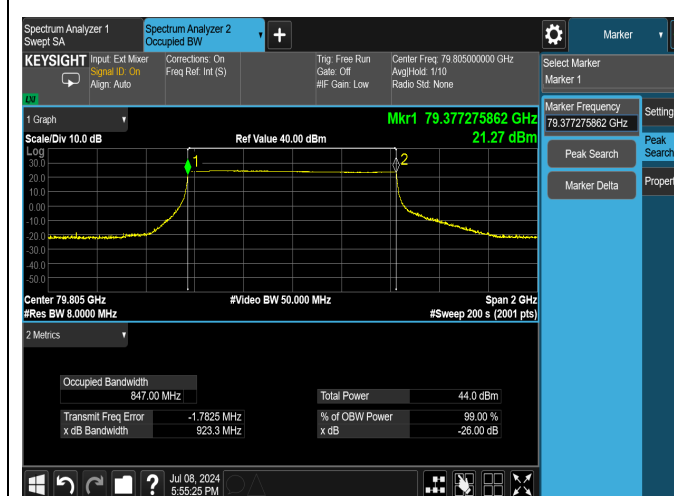
78.11GHz



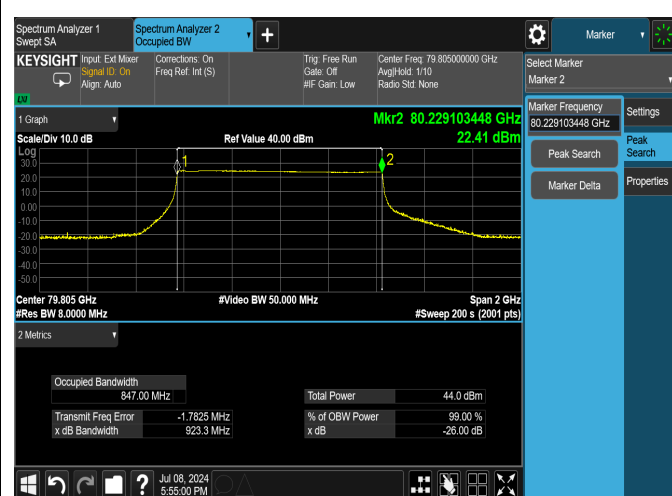
78.957GHz



78.957GHz



79.805GHz



79.805GHz

Appendix C. Test Result of Maximum output power (EIRP)

Peak Output Power

Test Frequency (GHz)	Measurement Level (dBm)	Limit (dBm)
78.11	17.53	55
78.957	18.10	55
79.805	17.37	55

Average Output Power

Test Frequency (GHz)	Measurement Level (dBm)	Limit (dBm)
78.11	17.29	50
78.957	17.28	50
79.805	16.49	50

Step 1: $E = 126.8 - 20\log(\lambda) + P - G$

E is the field strength of the emission at the measurement distance, in dBμV/m.

P is the power measured at the output of the test antenna, in dBm.

λ is the wavelength of the emission under investigation [300/fMHz], in m.

G is the gain of the test antenna, in dBi.

Step 2: $EIRP \text{ (dBm)} = E + 20\log(D) - 104.8$

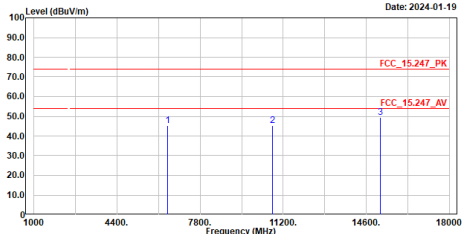
where D is the measurement distance (in the far field region) in m.

Appendix D. Test Result of Radiated Emissions

Site :HY-CB02
Condition :3m ,HORIZONTAL
mode :TX-78.11G
Test by :Nova

Level (dBuV/m)

Date: 2024-01-19



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
1	6460.400	45.28	74.00	-28.72	46.34	-1.06	Peak
2	10751.200	45.10	74.00	-28.90	41.36	3.74	Peak
3	15169.500	49.43	74.00	-24.57	41.12	8.31	Peak

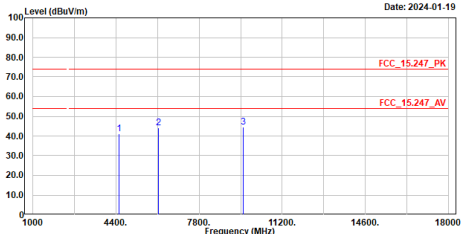
Note:

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-CB02
Condition :3m ,VERTICAL
mode :TX-78.11G
Test by :Nova

Level (dBuV/m)

Date: 2024-01-19



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
1	4537.700	41.15	74.00	-32.85	46.91	-5.76	Peak
2	6125.500	44.05	74.00	-29.95	46.72	-2.67	Peak
3	9608.800	44.59	74.00	-29.41	42.36	2.23	Peak

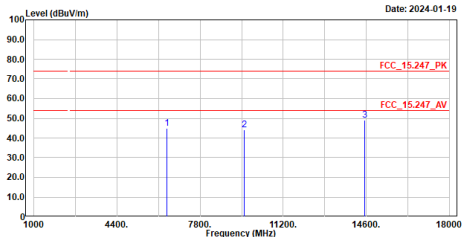
Note:

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-CB02
Condition :3m ,HORIZONTAL
mode :TX-78.957G
Test by :Nova

Level (dBuV/m)

Date: 2024-01-19



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
1	6450.200	45.00	74.00	-29.00	46.05	-1.05	Peak
2	9608.800	44.20	74.00	-29.80	41.97	2.23	Peak
3	14535.400	49.20	74.00	-24.80	40.69	8.51	Peak

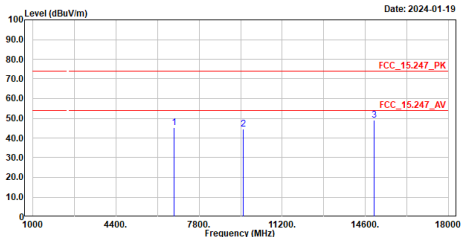
Note:

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

Site :HY-CB02
Condition :3m ,VERTICAL
mode :TX-78.957G
Test by :Nova

Level (dBuV/m)

Date: 2024-01-19

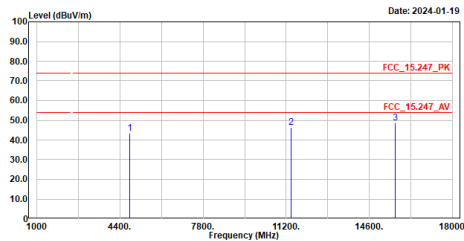


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
1	6781.700	45.43	74.00	-28.57	46.05	-0.62	Peak
2	9608.800	44.68	74.00	-29.32	42.45	2.23	Peak
3	14967.200	49.14	74.00	-24.86	40.72	8.42	Peak

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-CB02
Condition :3m ,HORIZONTAL
mode :TX-79.805G
Test by :Nova

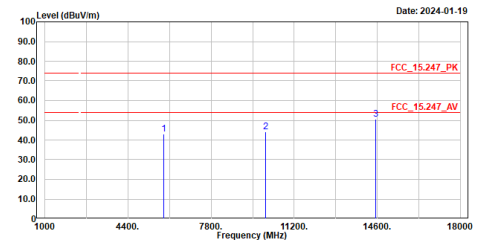


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB/m	
1	4802.900	43.49	74.00	-30.51	48.77	-5.28	Peak
2	11404.000	46.31	74.00	-27.69	48.98	5.33	Peak
3	15657.400	48.50	74.00	-25.50	48.95	7.55	Peak

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-CB02
Condition :3m ,VERTICAL
mode :TX-79.805G
Test by :Nova

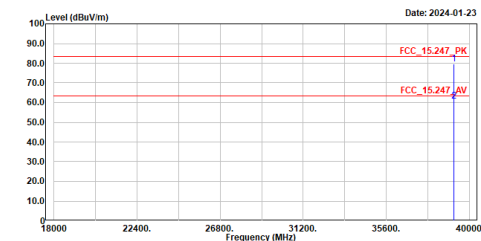


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB/m	
1	5851.800	42.89	74.00	-31.11	46.23	-3.34	Peak
2	10021.900	44.18	74.00	-29.82	41.44	2.74	Peak
3	14549.000	50.41	74.00	-23.59	41.90	8.51	Peak

Note:

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

Site :HY-CB02
Condition :1m ,Horizontal
mode :TX-78.11G
Test by :Rock

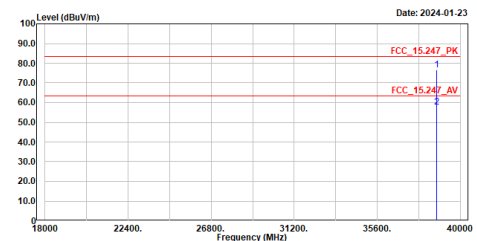


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB/m	
1	39190.400	79.53	83.54	-4.01	63.29	16.24	Peak
2	39190.400	60.86	63.54	-2.68	44.62	16.24	Average

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-CB02
Condition :1m ,VERTICAL
mode :TX-78.11G
Test by :Rock

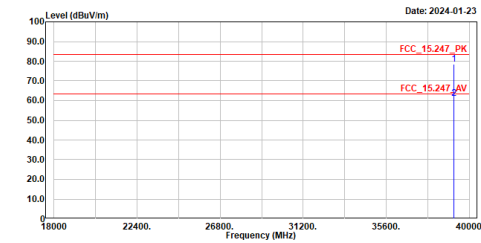


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB/m	
1	38743.800	76.47	83.54	-7.07	61.84	14.63	Peak
2	38743.800	57.74	63.54	-5.80	43.11	14.63	Average

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.

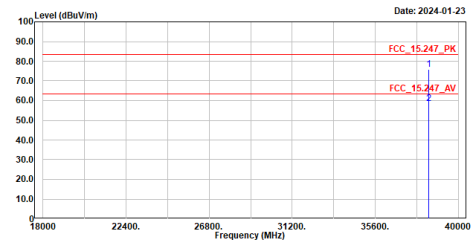
Site :HY-C802
Condition :1m ,Horizontal
mode :TX-78.9576
Test by :Rock



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB/m	
1	39166.200	78.34	83.54	-5.20	62.26	16.08	Peak
2	39166.200	61.30	63.54	-2.24	45.22	16.08	Average

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.

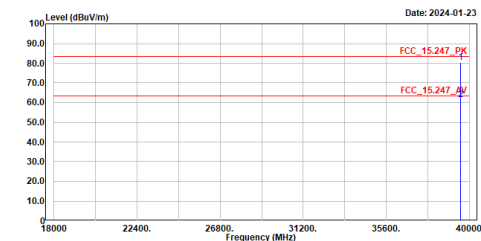
Site :HY-C802
Condition :1m ,VERTICAL
mode :TX-78.9576
Test by :Rock



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB/m	
1	38451.200	75.77	83.54	-7.77	61.55	14.22	Peak
2	38451.200	58.40	63.54	-5.14	44.18	14.22	Average

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.

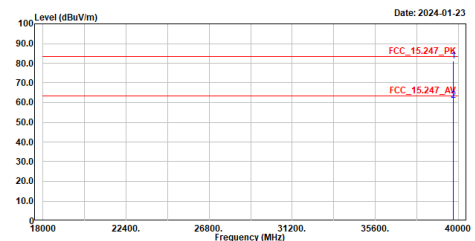
Site :HY-C802
Condition :1m ,Horizontal
mode :TX-79.8056
Test by :Rock



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB/m	
1	39527.000	80.38	83.54	-3.16	62.08	18.30	Peak
2	39527.000	61.49	63.54	-2.05	43.19	18.30	Average

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-C802
Condition :1m ,Vertical
mode :TX-79.8056
Test by :Rock



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB/m	
1	39727.200	81.09	83.54	-2.45	62.05	19.04	Peak
2	39727.200	61.15	63.54	-2.39	42.11	19.04	Average

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.

78.11 GHz_Above 50 GHz

Frequency (GHz)	EIRP (dBm)	Power Density (pW / cm ²)	Limit (pW / cm ²)
218.424	-13.00	44.33	1000

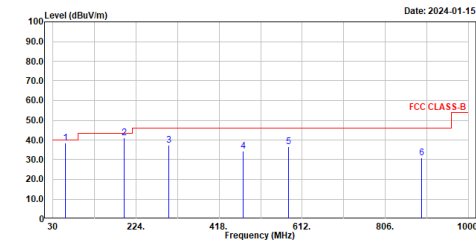
78.957 GHz_Above 50 GHz

Frequency (GHz)	EIRP (dBm)	Power Density (pW / cm ²)	Limit (pW / cm ²)
218.40	-13.43	40.15	1000

78.805 GHz_Above 50 GHz

Frequency (GHz)	EIRP (dBm)	Power Density (pW / cm ²)	Limit (pW / cm ²)
216.112	-13.54	39.17	1000

Site :HY-CB02
Condition :3m ,HORIZONTAL
mode :TX-78.11G
Test by :Rock

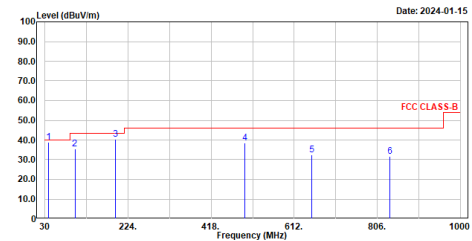


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB/m	
1	59.100	38.47	40.00	-1.53	62.41	-23.94	QP
2	196.064	41.20	43.50	-2.30	67.51	-26.31	QP
3	300.436	37.38	46.00	-8.62	60.02	-22.64	QP
4	474.454	34.34	46.00	-11.66	52.41	-18.07	QP
5	579.990	36.73	46.00	-9.27	52.45	-15.72	QP
6	890.390	30.89	46.00	-15.11	42.05	-11.16	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-CB02
Condition :3m ,VERTICAL
mode :TX-78.11G
Test by :Rock

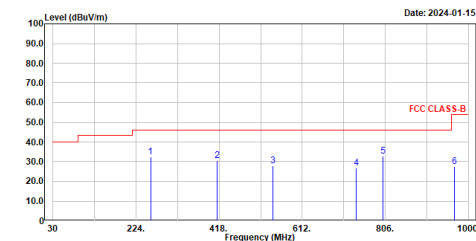


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB/m	
1	38.730	38.79	40.00	-1.21	62.72	-23.93	QP
2	100.034	35.63	43.50	-7.87	63.53	-27.90	QP
3	194.997	40.41	43.50	-3.09	66.61	-26.20	QP
4	496.861	38.52	46.00	-7.48	56.18	-17.66	QP
5	652.255	32.36	46.00	-13.64	46.78	-14.42	QP
6	835.391	31.75	46.00	-14.25	43.47	-11.72	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-CB02
Condition :3m ,HORIZONTAL
mode :TX-78.957G
Test by :Rock

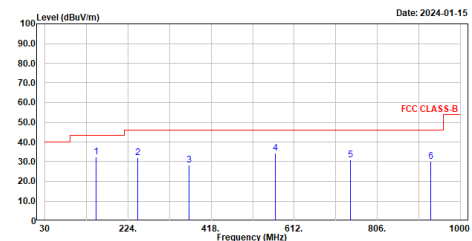


No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB/m	
1	258.047	32.64	46.00	-13.36	56.93	-24.29	QP
2	414.120	30.55	46.00	-15.45	50.09	-19.54	QP
3	544.488	27.83	46.00	-18.17	44.64	-16.81	QP
4	737.712	26.81	46.00	-19.19	39.65	-12.84	QP
5	799.986	32.87	46.00	-13.13	44.88	-12.01	QP
6	967.990	27.68	54.00	-26.32	37.89	-10.21	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.

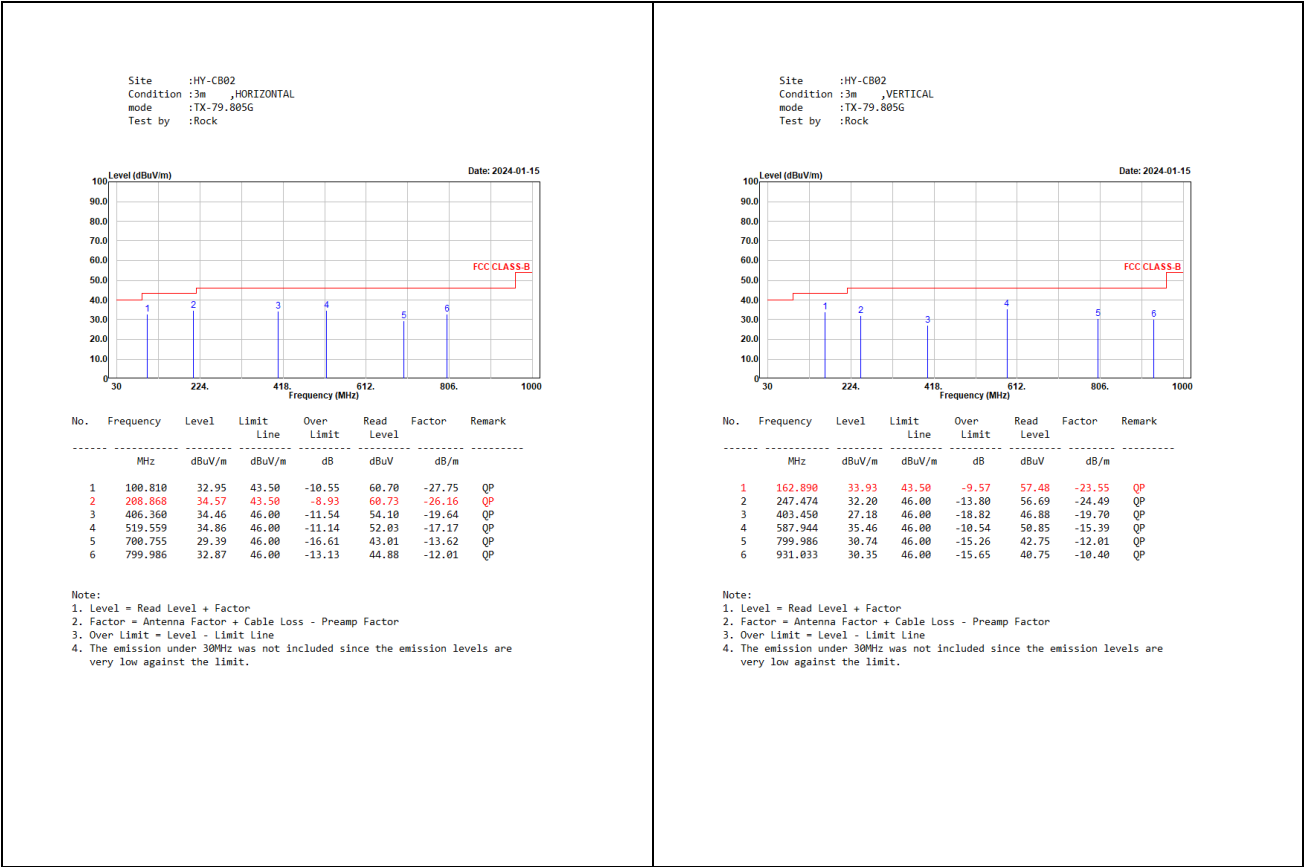
Site :HY-CB02
Condition :3m ,VERTICAL
mode :TX-78.957G
Test by :Rock



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level	dB/m	
1	148.922	32.39	43.50	-11.11	55.92	-23.53	QP
2	247.474	32.20	46.00	-13.80	56.69	-24.49	QP
3	366.493	28.44	46.00	-17.56	49.47	-21.03	QP
4	567.962	34.37	46.00	-11.63	50.29	-15.92	QP
5	742.562	31.01	46.00	-14.99	43.79	-12.78	QP
6	931.033	30.35	46.00	-15.65	40.75	-10.40	QP

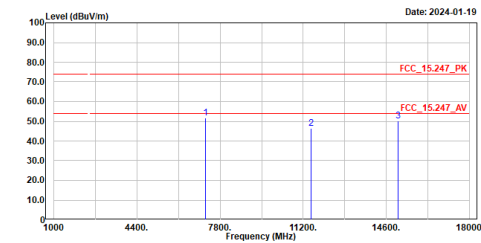
Note:

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.



Co-location

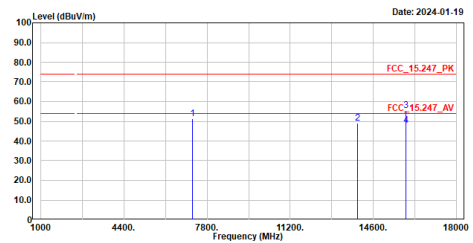
Site :HY-CB02
Condition :3m ,HORIZONTAL
mode :TX-Co-location 1-18G
Test by :Nova



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
			dBuV/m	dB	dBuV	dB/m	
1	7205.000	51.65	74.00	-22.35	51.68	-0.03	Peak
2	11523.000	46.32	74.00	-27.68	40.92	5.40	Peak
3	15087.900	50.15	74.00	-23.85	41.75	8.40	Peak

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.

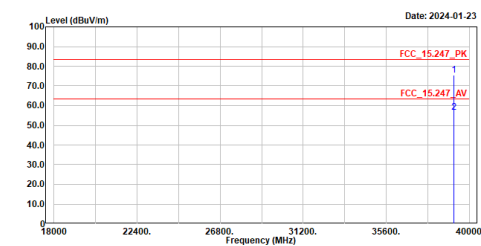
Site :HY-CB02
Condition :3m ,VERTICAL
mode :TX-Co-location 1-18G
Test by :Nova



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
			dBuV/m	dB	dBuV	dB/m	
1	7205.000	51.30	74.00	-22.70	51.33	-0.03	Peak
2	13954.000	49.07	74.00	-24.93	40.94	8.13	Peak
3	15949.800	55.45	74.00	-18.55	47.39	8.06	Peak
4	15949.800	48.11	74.00	-25.89	40.05	8.06	Average

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.

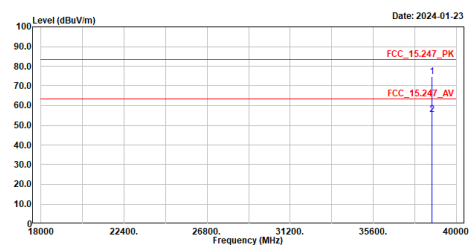
Site :HY-CB02
Condition :1m ,Horizontal
mode :TX-Co-location-18-40G
Test by :Rock



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
			dBuV/m	dB	dBuV	dB/m	
1	39164.000	75.63	83.54	-7.91	59.39	16.24	Peak
2	39164.000	56.43	63.54	-7.11	40.19	16.24	Average

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.

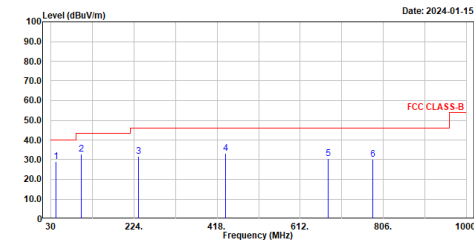
Site :HY-CB02
Condition :1m ,VERTICAL
mode :TX-Co-location-18-40G
Test by :Rock



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
			dBuV/m	dB	dBuV	dB/m	
1	38715.000	74.61	83.54	-8.93	59.98	14.63	Peak
2	38715.000	55.62	63.54	-7.92	40.99	14.63	Average

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.

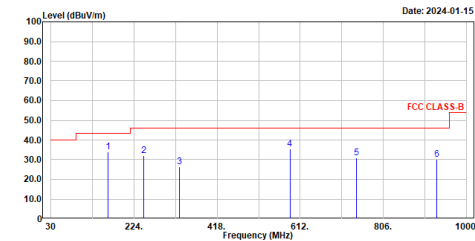
Site :HY-CB02
Condition :3m ,HORIZONTAL
mode :TX-Co-location 30-1G
Test by :Rock



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
1	41.640	29.02	40.00	-10.98	52.63	-23.61	QP
2	100.810	32.95	43.50	-10.55	60.70	-27.75	QP
3	234.185	31.87	46.00	-14.13	56.88	-25.01	QP
4	437.788	33.11	46.00	-12.89	51.86	-18.75	QP
5	676.796	30.51	46.00	-15.49	44.79	-14.28	QP
6	782.235	30.30	46.00	-15.70	42.46	-12.16	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-CB02
Condition :3m ,VERTICAL
mode :TX-Co-location 30-1G
Test by :Rock



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	Line	Limit	Level		
1	162.890	33.93	43.50	-9.57	57.48	-23.55	QP
2	247.474	32.20	46.00	-13.80	56.69	-24.49	QP
3	330.021	26.40	46.00	-19.60	47.96	-21.56	QP
4	587.944	35.46	46.00	-10.54	50.85	-15.39	QP
5	742.562	31.01	46.00	-14.99	43.79	-12.78	QP
6	931.033	30.35	46.00	-15.65	40.75	-10.40	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.

Appendix E. Test Result of Frequency Stability

Voltage (V)	Measurement Frequency (MHz)	Tolerance (%)	Limit (%)
13.8	78110	0.00	0.01
12	78106	0.005	0.01
10.2	78110	0.00	0.01

Temperature (°C)	Measurement Frequency (MHz)	Tolerance (%)	Limit
50	78106	0.005	0.01
40	78106	0.005	0.01
30	78106	0.005	0.01
20	78106	0.005	0.01
10	78108	0.002	0.01
0	78107	0.003	0.01
-10	78105	0.006	0.01
-20	78108	0.002	0.01

Voltage (V)	Measurement Frequency (MHz)	Tolerance (%)	Limit
13.8	78954	0.003	0.01
12	78955	0.002	0.01
10.2	78955	0.002	0.01

Temperature (°C)	Measurement Frequency (MHz)	Tolerance (%)	Limit
50	78951	0.007	0.01
40	78951	0.007	0.01
30	78951	0.007	0.01
20	78955	0.002	0.01
10	78955	0.002	0.01
0	78955	0.002	0.01
-10	78955	0.002	0.01
-20	78953	0.005	0.01

Voltage (V)	Measurement Frequency (MHz)	Tolerance (%)	Limit
13.8	79803	0.002	0.01
12	79802	0.003	0.01
10.2	79803	0.002	0.01

Temperature (°C)	Measurement Frequency (MHz)	Tolerance (%)	Limit
50	79802	0.003	0.01
40	79801	0.005	0.01
30	79801	0.005	0.01
20	79802	0.003	0.01
10	79805	0.00	0.01
0	79806	0.001	0.01
-10	79805	0.00	0.01
-20	79805	0.00	0.01