

Site SH-CB02  
Limit: FCC RF\_15.247\_3M\_(Peak)

Polarization: **Horizontal**  
Power: DC 3V  
Distance: 3m  
Mode: TX\_B\_2437

Temperature: 24.1 (C)  
Humidity: 53 %

M/N:  
Note: TP=0

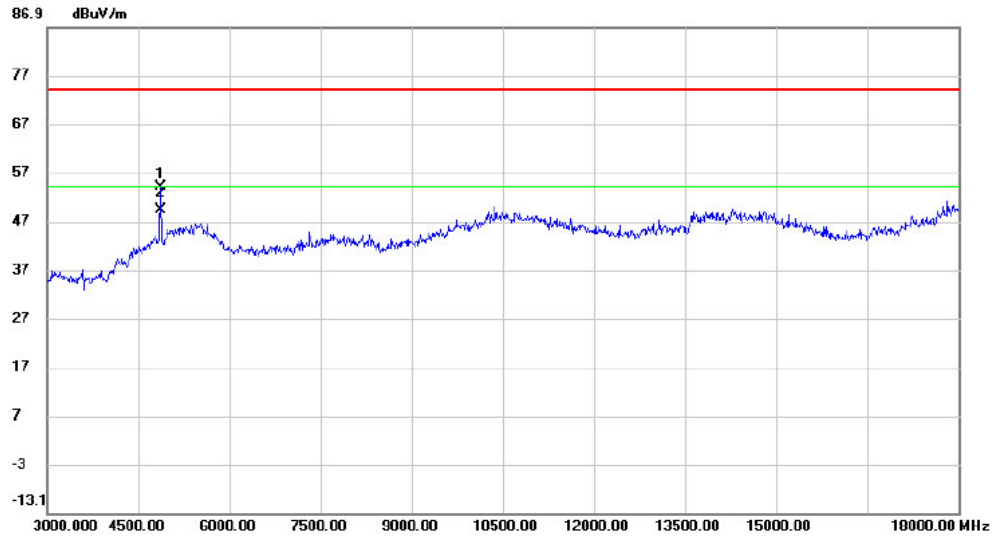
### Radiated Emission Measurement

File :FCC\_ABOVE1G

Data :#4

Date: 2024/10/22

Time: 14:21:51



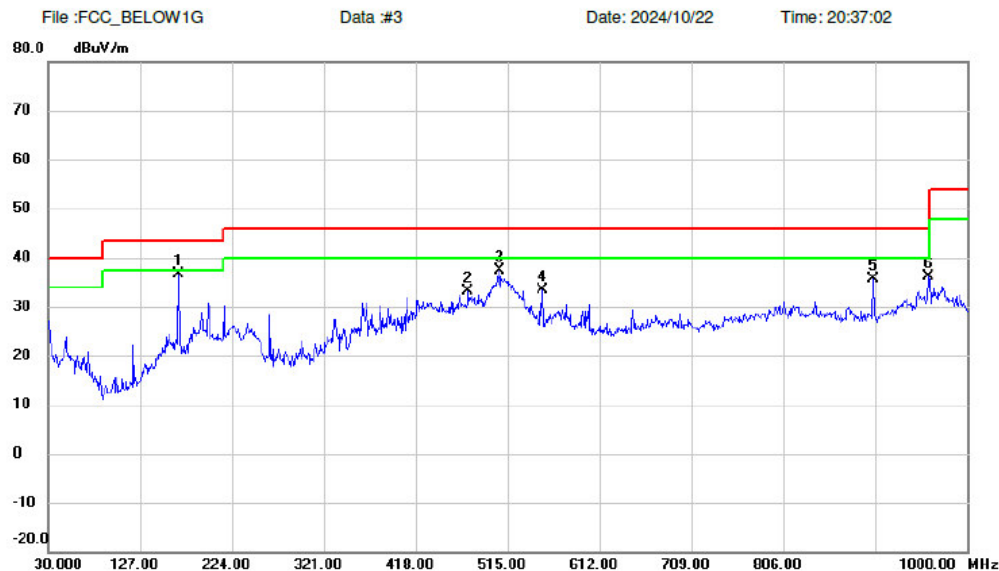
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV		dBuV/m	dBuV/m	dB	Detector	Comment
1		4873.500	62.71	-8.66	54.05	74.00	-19.95	peak	
2	*	4873.500	58.02	-8.66	49.36	54.00	-4.64	AVG	

Site SH-CB02  
Limit: FCC Class B 3m Radiation  
M/N:  
Note: TP=0

Polarization: **Vertical**  
Power: DC 3V  
Distance: 3m  
Mode: TX\_B\_2437

Temperature: 24.1 (C)  
Humidity: 53 %

### Radiated Emission Measurement



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV		dBuV/m	dBuV/m	dB	Detector	Comment
1	*	167.7400	53.06	-16.40	36.66	43.50	-6.84	peak	
2		473.2900	44.40	-11.21	33.19	46.00	-12.81	peak	
3		506.2700	48.13	-10.84	37.29	46.00	-8.71	peak	
4		551.8600	43.48	-10.02	33.46	46.00	-12.54	peak	
5		901.0600	40.61	-5.06	35.55	46.00	-10.45	peak	
6		959.2600	39.99	-3.94	36.05	46.00	-9.95	peak	

Site SH-CB02  
Limit: FCC RF\_15.247\_3M\_(Peak)  
M/N:  
Note: TP=0

Polarization: **Vertical**  
Power: DC 3V  
Distance: 3m  
Mode: TX\_B\_2437

Temperature: 24.1 (C)  
Humidity: 53 %

### Radiated Emission Measurement

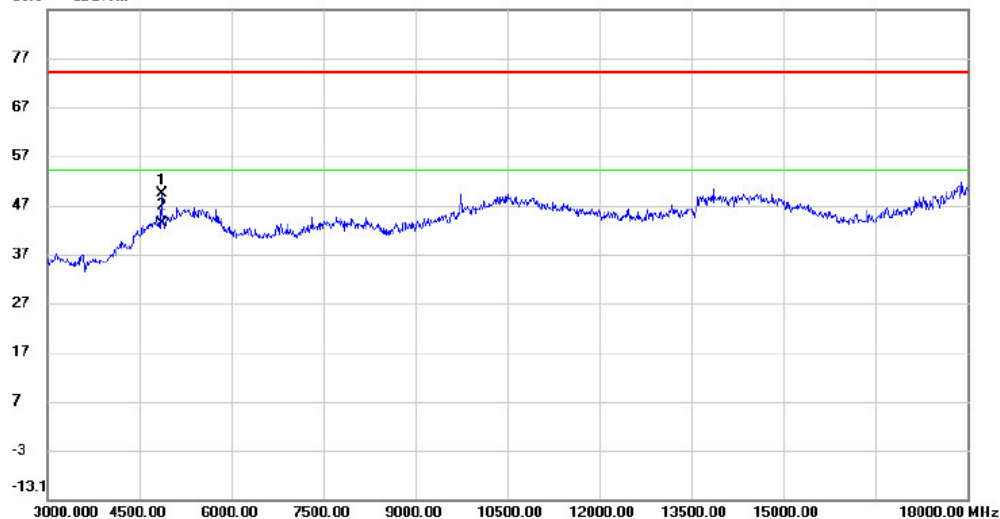
File :FCC\_ABOVE1G

Data :#3

Date: 2024/10/22

Time: 14:17:41

86.9 dBuV/m



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV		dBuV/m	dBuV/m	dB	Detector Comment
1		4874.250	58.06	-8.66	49.40	74.00	-24.60	peak
2	*	4874.250	51.90	-8.66	43.24	54.00	-10.76	AVG

Site SH-CB02  
Limit: FCC Class B 3m Radiation  
EUT: MP  
M/N:  
Note: TP=0

Polarization: **Horizontal**  
Power: DC 3V  
Distance: 3m  
Mode: TX\_B\_2462

Temperature: 24.1 (C)  
Humidity: 53 %

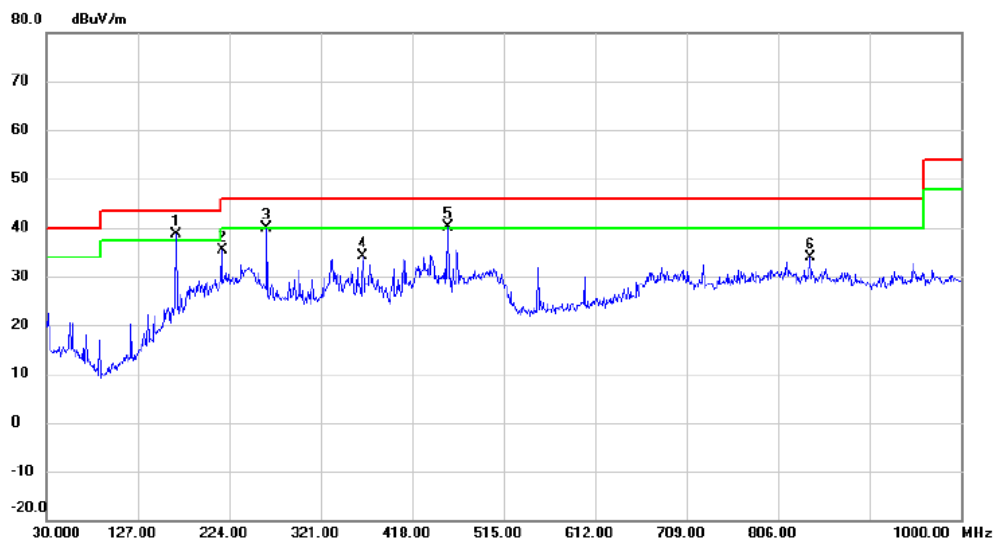
### Radiated Emission Measurement

File :FCC\_BELOW1G

Data :#5

Date: 2024/10/22

Time: 20:44:22



No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
	MHz	dBuV		dBuV/m	dBuV/m	dB	Detector	Comment
1 *	167.7400	55.08	-16.40	38.68	43.50	-4.82	peak	
2	216.2400	54.66	-19.31	35.35	46.00	-10.65	peak	
3	263.7700	56.41	-16.59	39.82	46.00	-6.18	peak	
4	365.6200	48.08	-13.90	34.18	46.00	-11.82	peak	
5 !	455.8300	51.57	-11.47	40.10	46.00	-5.90	peak	
6	839.9500	38.90	-5.11	33.79	46.00	-12.21	peak	

Site SH-CB02  
Limit: FCC RF\_15.247\_3M\_(Peak)  
M/N:  
Note: TP=0

Polarization: **Horizontal**  
Power: DC 3V  
Distance: 3m  
Mode: TX\_B\_2462

Temperature: 24.1 (C)  
Humidity: 53 %

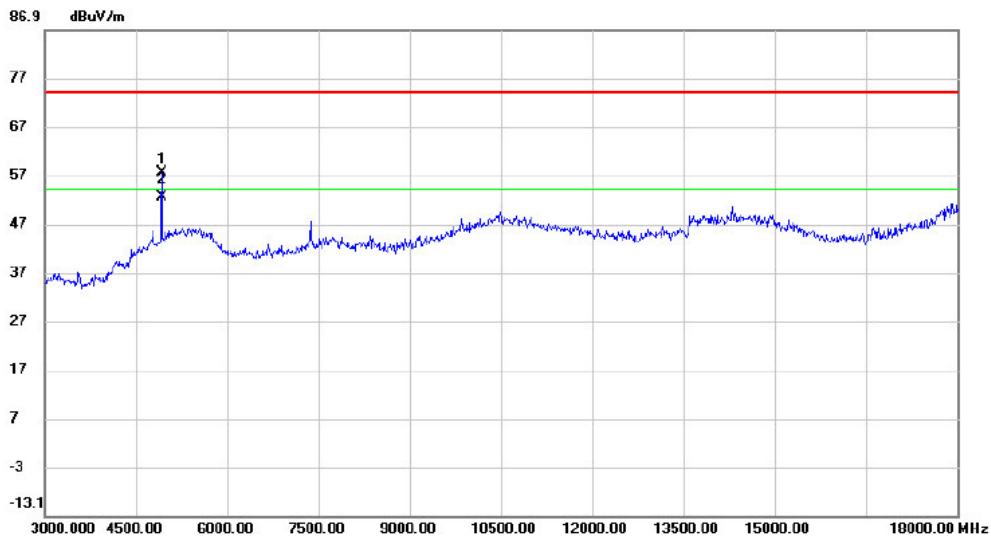
### Radiated Emission Measurement

File :FCC\_ABOVE1G

Data :#5

Date: 2024/10/22

Time: 14:26:42



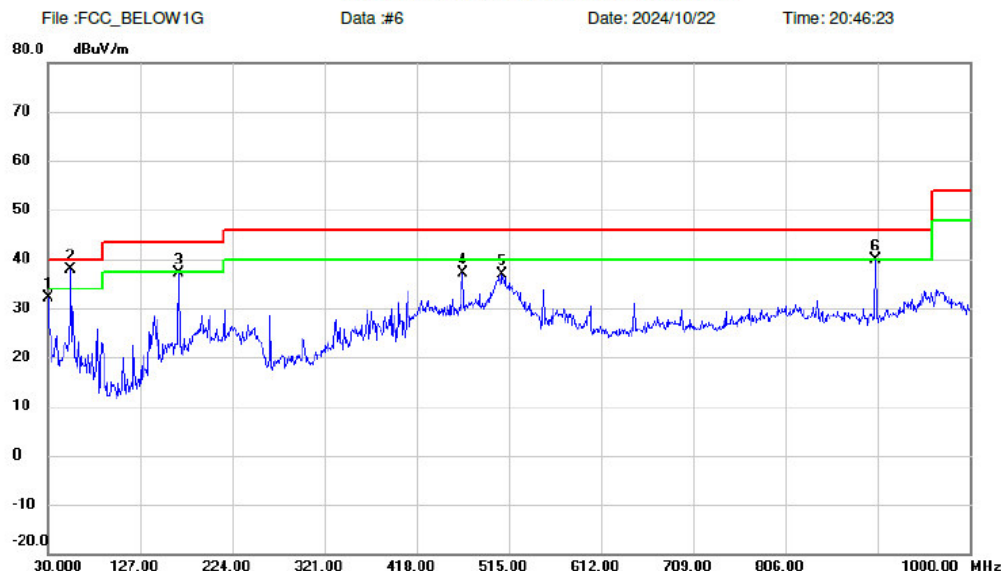
No. Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
	MHz	dBuV		dBuV/m	dBuV/m	dB		
1	4924.500	65.79	-8.34	57.45	74.00	-16.55	peak	
2 *	4924.500	60.85	-8.34	52.51	54.00	-1.49	AVG	

Site SH-CB02  
Limit: FCC Class B 3m Radiation  
  
M/N:  
Note: TP=0

Polarization: **Vertical**  
Power: DC 3V  
Distance: 3m  
Mode: TX\_B\_2462

Temperature: 24.1 (C)  
Humidity: 53 %

### Radiated Emission Measurement



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		30.0000	51.31	-19.23	32.08	40.00	-7.92	peak	
2	*	54.2500	54.88	-17.01	37.87	40.00	-2.13	peak	
3		167.7400	53.63	-16.40	37.23	43.50	-6.27	peak	
4		466.5000	48.38	-11.31	37.07	46.00	-8.93	peak	
5		508.2100	47.72	-10.80	36.92	46.00	-9.08	peak	
6		901.0600	44.89	-5.06	39.83	46.00	-6.17	peak	

Site: SH-CB02

Polarization: **Vertical**

Temperature: 24.1 (C)

Limit: FCC RF\_15.247\_3M\_(Peak)

Power: DC 3V

Humidity: 53 %

Distance: 3m

M/N:

Mode: TX\_B\_2462

Note: TP=0

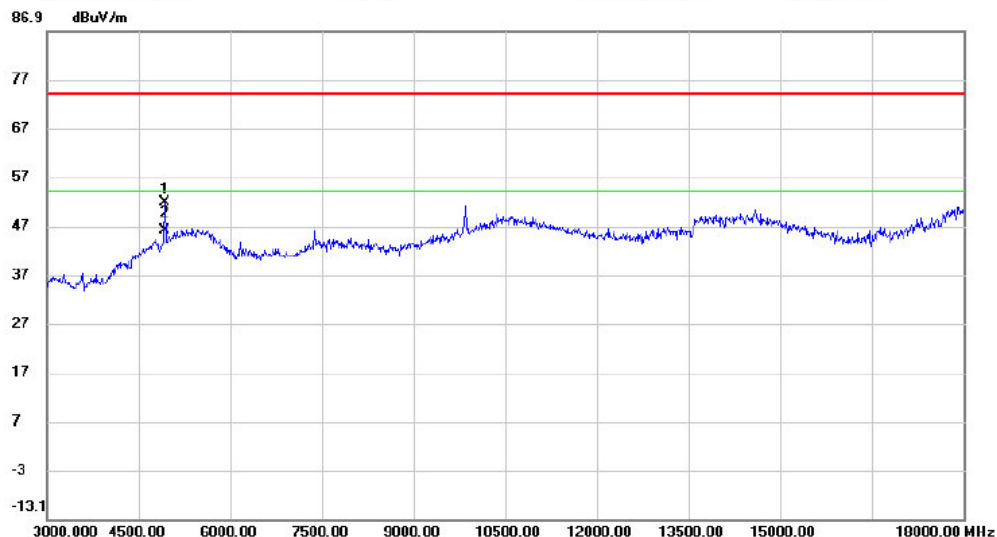
## Radiated Emission Measurement

File :FCC\_ABOVE1G

Data :#6

Date: 2024/10/22

Time: 14:32:39



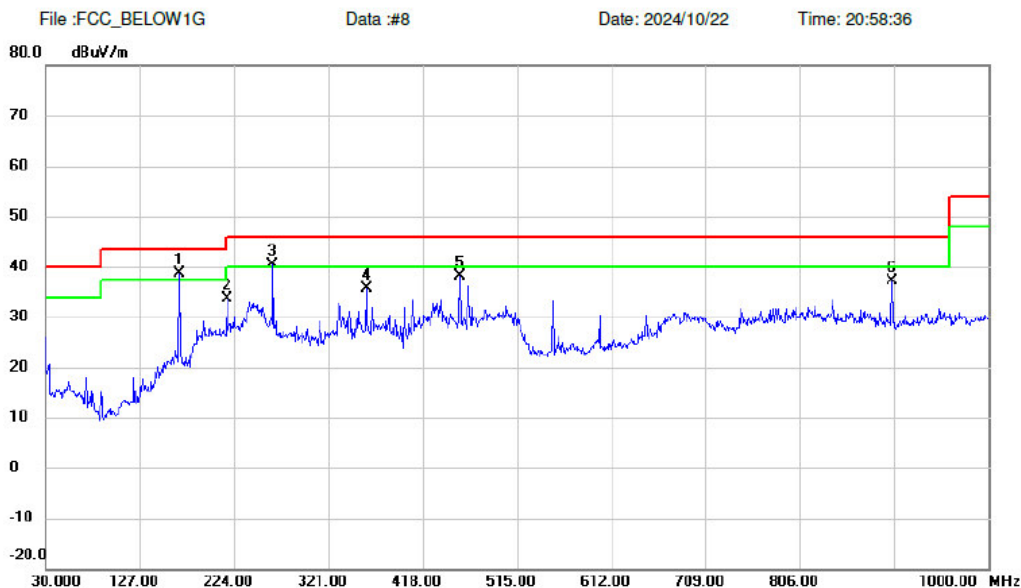
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV		dBuV/m	dBuV/m	dB	Detector Comment
1		4924.500	60.03	-8.34	51.69	74.00	-22.31	peak
2	*	4924.500	54.40	-8.34	46.06	54.00	-7.94	AVG

Site SH-CB02  
Limit: FCC Class B 3m Radiation  
M/N:  
Note: TP=7

Polarization: **Horizontal**  
Power: DC 3V  
Distance: 3m  
Mode: TX\_G\_2412

Temperature: 24.1 (C)  
Humidity: 53 %

### Radiated Emission Measurement



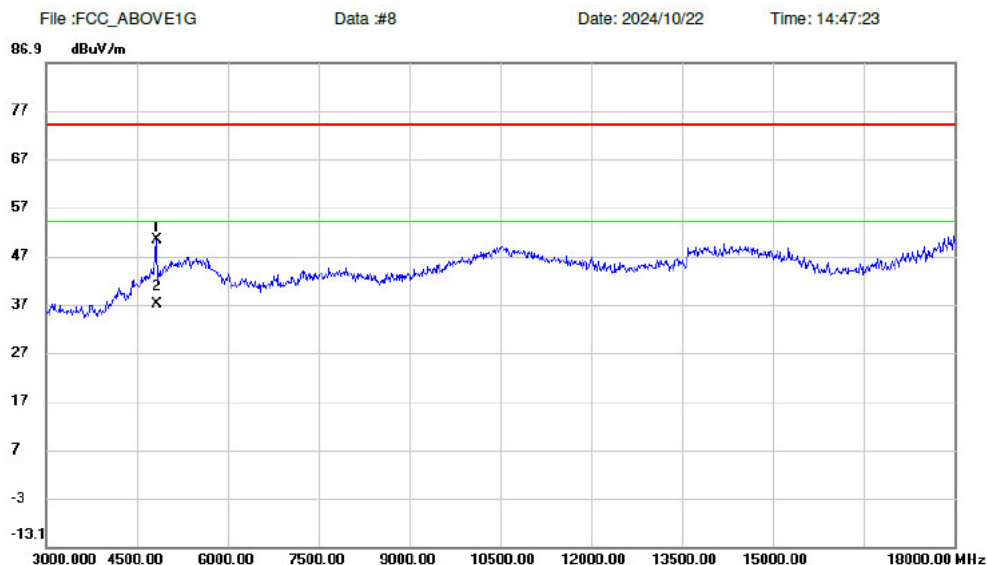


Site: SH-CB02  
Limit: FCC RF\_15.247\_3M\_(Peak)  
M/N:  
Note: TP=7

Polarization: **Horizontal**  
Power: DC 3V  
Distance: 3m  
Mode: TX\_G\_2412

Temperature: 24.1 (C)  
Humidity: 53 %

### Radiated Emission Measurement



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4827.750	59.19	-8.95	50.24	74.00	-23.76	peak	
2	*	4827.750	45.86	-8.95	36.91	54.00	-17.09	AVG	

Site SH-CB02

Polarization: **Vertical**

Temperature: 24.1 (C)

Limit: FCC Class B 3m Radiation

Power: DC 3V

Humidity: 53 %

M/N:

Distance: 3m

Mode: TX|G\_2412

Note: TP=7

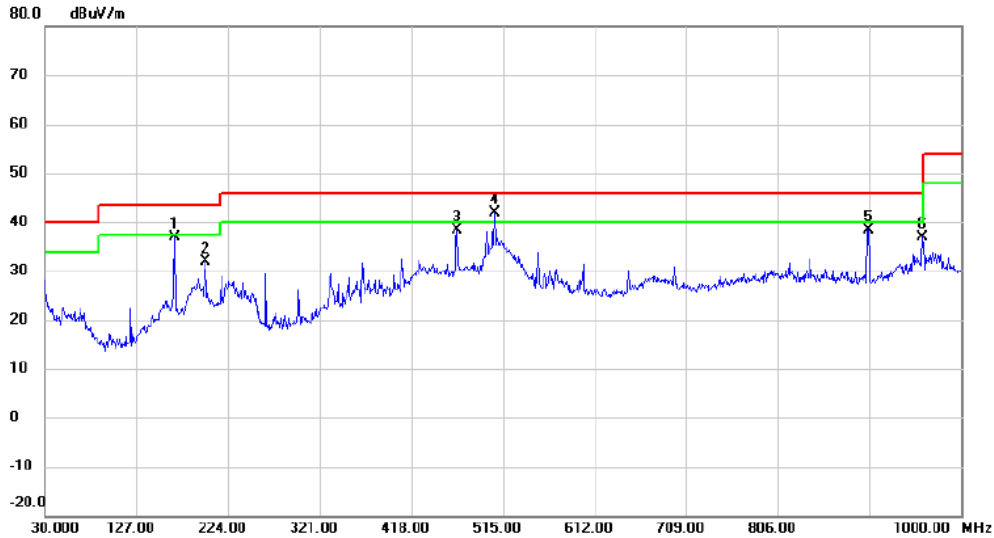
### Radiated Emission Measurement

File :FCC\_BELOW1G

Data :#7

Date: 2024/10/22

Time: 20:56:00



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV		dBuV/m	dBuV/m	dB		
1		167.7400	53.39	-16.40	36.99	43.50	-6.51	peak	
2		199.7500	50.86	-19.09	31.77	43.50	-11.73	peak	
3		466.5000	49.71	-11.31	38.40	46.00	-7.60	peak	
4	*	506.2700	52.81	-10.84	41.97	46.00	-4.03	peak	
5		902.0300	43.50	-5.04	38.46	46.00	-7.54	peak	
6		959.2600	40.75	-3.94	36.81	46.00	-9.19	peak	

Site SH-CB02  
Limit: FCC RF\_15.247\_3M\_(Peak)  
M/N:  
Note: TP=7

Polarization: **Vertical**  
Power: DC 3V  
Distance: 3m  
Mode: TX\_G\_2412

Temperature: 24.1 (C)  
Humidity: 53 %

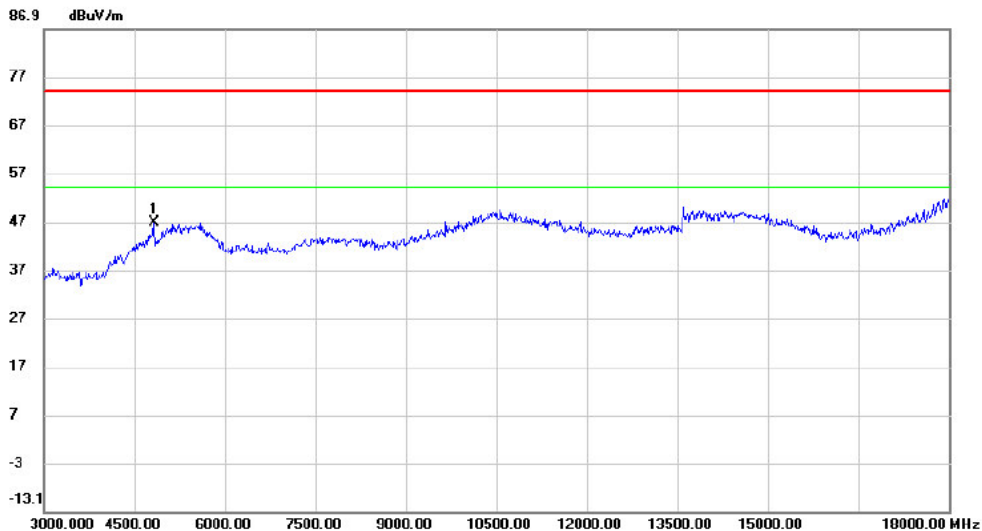
### Radiated Emission Measurement

File :FCC\_ABOVE1G

Data :#7

Date: 2024/10/22

Time: 14:45:27



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV		dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4823.250	55.75	-8.99	46.76	74.00	-27.24	peak	

Site SH-CB02

Limit: FCC Class B 3m Radiation

M/N:

Note: TP=7

Polarization: **Horizontal**

Power: DC 3V

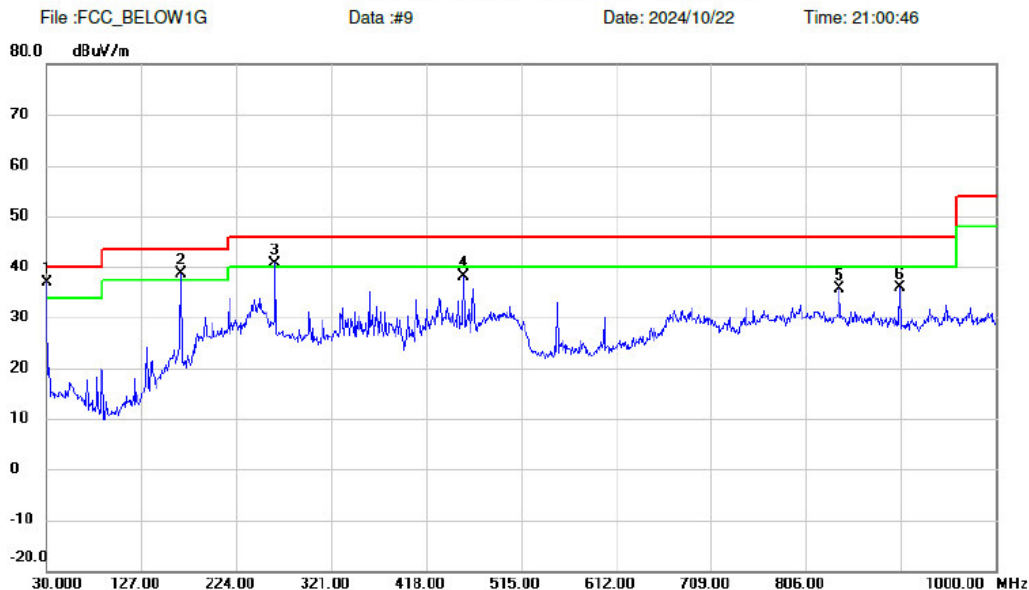
Distance: 3m

Mode: TX\_G\_2437

Temperature: 24.1 (C)

Humidity: 53 %

### Radiated Emission Measurement



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	30.0000	55.99	-19.23	36.76	40.00	-3.24	peak	
2	!	167.7400	55.15	-16.40	38.75	43.50	-4.75	peak	
3	!	263.7700	57.27	-16.59	40.68	46.00	-5.32	peak	
4		455.8300	49.55	-11.47	38.08	46.00	-7.92	peak	
5		839.9500	40.65	-5.11	35.54	46.00	-10.46	peak	
6		902.0300	41.00	-5.04	35.96	46.00	-10.04	peak	

Site SH-CB02

Limit: FCC RF\_15.247\_3M\_(Peak)

M/N:

Note: TP=0

Polarization: **Horizontal**

Power: DC 3V

Distance: 3m

Mode: TX\_G\_2437

Temperature: 24.1 (C)

Humidity: 53 %

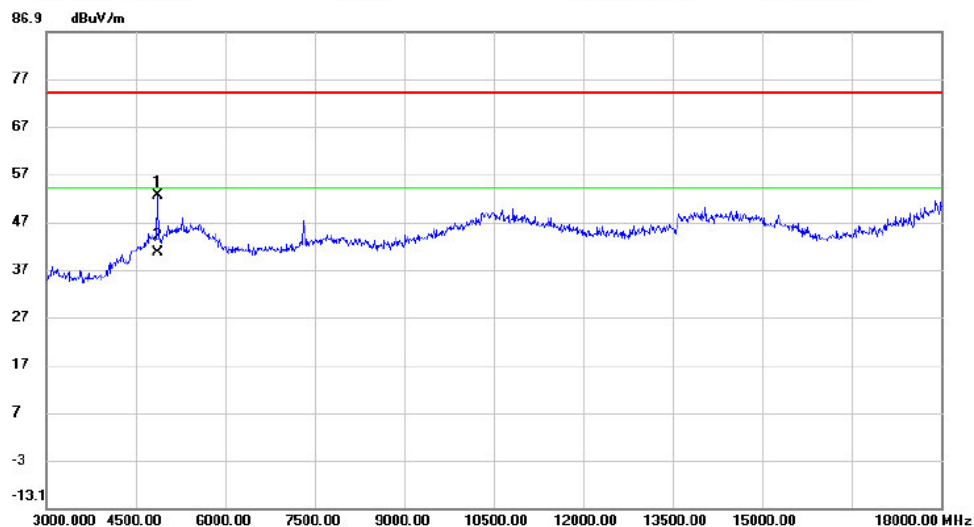
### Radiated Emission Measurement

File :FCC\_ABOVE1G

Data :#9

Date: 2024/10/22

Time: 14:51:42



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	
		MHz	dBuV		dBuV/m	dBuV/m	dB	Detector Comment
1		4872.750	61.14	-8.66	52.48	74.00	-21.52	peak
2	*	4872.750	49.21	-8.66	40.55	54.00	-13.45	AVG

Site SH-CB02

Polarization: **Vertical**

Temperature: 24.1 (C)

Limit: FCC Class B 3m Radiation

Power: DC 3V

Humidity: 53 %

M/N:

Mode: TX\_G\_2437

Note: TP=7

### Radiated Emission Measurement

File :FCC\_BELOW1G

Data :#10

Date: 2024/10/22

Time: 21:02:34

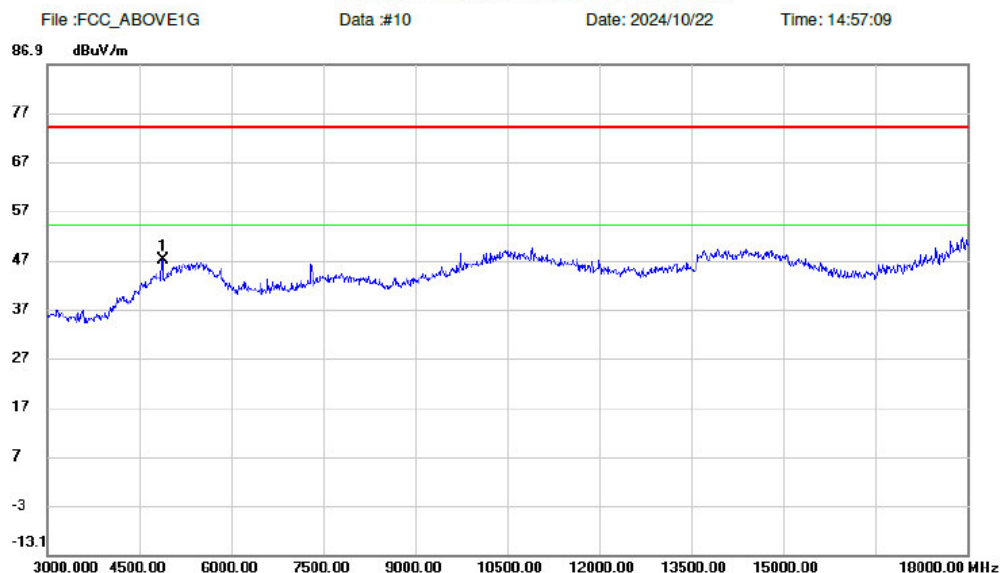


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV		dBuV/m	dBuV/m	dB	Detector	Comment
1	*	167.7400	53.67	-16.40	37.27	43.50	-6.23	peak	
2		408.3000	46.26	-12.83	33.43	46.00	-12.57	peak	
3		518.8800	46.23	-10.62	35.61	46.00	-10.39	peak	
4		551.8600	43.80	-10.02	33.78	46.00	-12.22	peak	
5		902.0300	41.31	-5.04	36.27	46.00	-9.73	peak	
6		959.2600	39.04	-3.94	35.10	46.00	-10.90	peak	

Site SH-CB02  
Limit: FCC RF\_15.247\_3M\_(Peak)  
M/N:  
Note: TP=0

Polarization: *Vertical*  
Power: DC 3V  
Distance: 3m  
Mode: TX\_G\_2437

Temperature: 24.1 (C)  
Humidity: 53 %

**Radiated Emission Measurement**


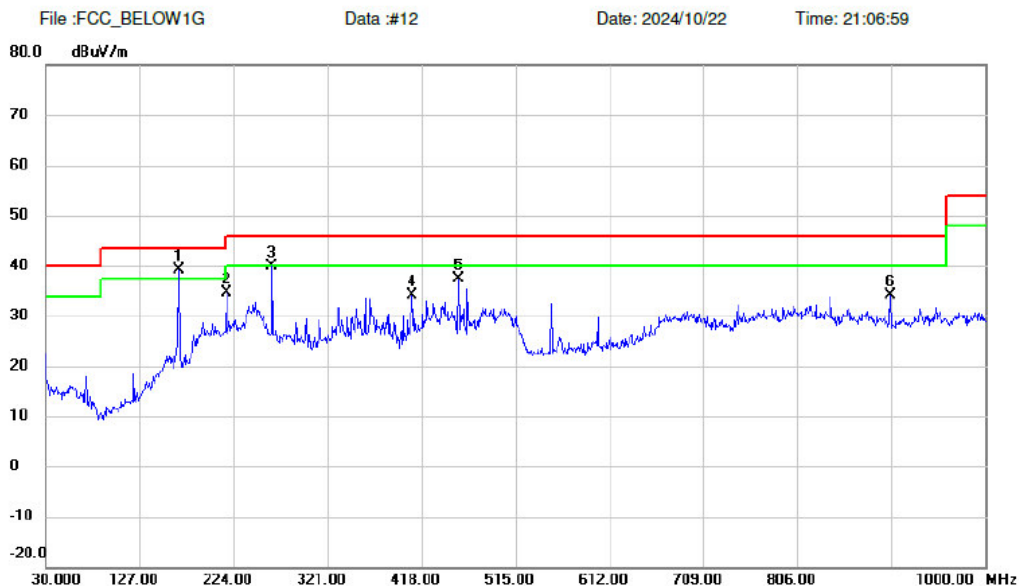
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV		dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4884.000	55.70	-8.59	47.11	74.00	-26.89	peak	

Site SH-CB02  
Limit: FCC Class B 3m Radiation  
M/N:  
Note: TP=13

Polarization: *Horizontal*  
Power: DC 3V  
Distance: 3m  
Mode: TX\_G\_2462

Temperature: 24.1 (C)  
Humidity: 53 %

### Radiated Emission Measurement



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	167.7400	55.42	-16.40	39.02	43.50	-4.48	peak	
2		216.2400	53.87	-19.31	34.56	46.00	-11.44	peak	
3		263.7700	56.48	-16.59	39.89	46.00	-6.11	peak	
4		408.3000	46.91	-12.83	34.08	46.00	-11.92	peak	
5		455.8300	48.87	-11.47	37.40	46.00	-8.60	peak	
6		902.0300	39.22	-5.04	34.18	46.00	-11.82	peak	



Site SH-CB02

Limit: FCC RF\_15.247\_3M\_(Peak)

M/N:

Note: TP=13

Polarization: *Horizontal*

Power: DC 3V

Distance: 3m

Mode: TX\_G\_2462

Temperature: 24.1 (C)

Humidity: 53 %

### Radiated Emission Measurement

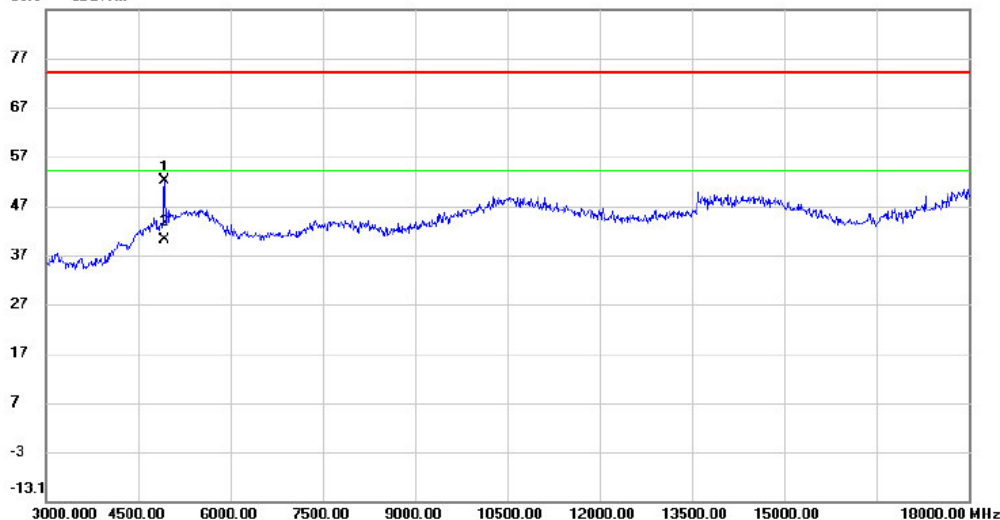
File :FCC\_ABOVE1G

Data :#12

Date: 2024/10/22

Time: 15:01:38

86.9 dBuV/m



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV		dBuV/m	dBuV/m	dB	Detector	Comment
1		4923.750	60.39	-8.34	52.05	74.00	-21.95	peak	
2	*	4923.750	48.37	-8.34	40.03	54.00	-13.97	AVG	

Site SH-CB02

Polarization: **Vertical**

Temperature: 24.1 (C)

Limit: FCC Class B 3m Radiation

Power: DC 3V

Humidity: 53 %

EUT: 945

Distance: 3m

M/N:

Mode: TX\_G\_2462

Note: TP=13

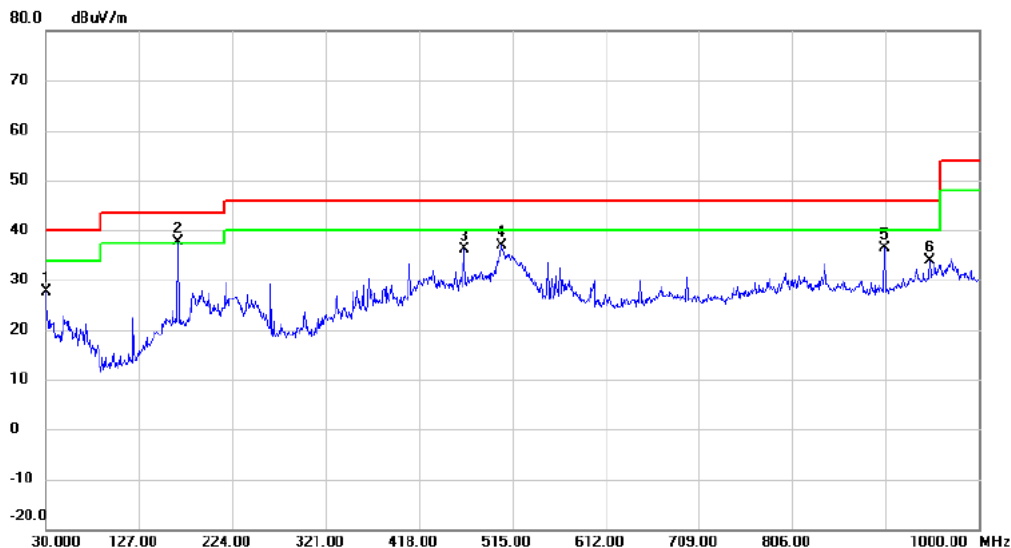
### Radiated Emission Measurement

File :FCC\_BELOW1G

Data :#11

Date: 2024/10/22

Time: 21:04:46

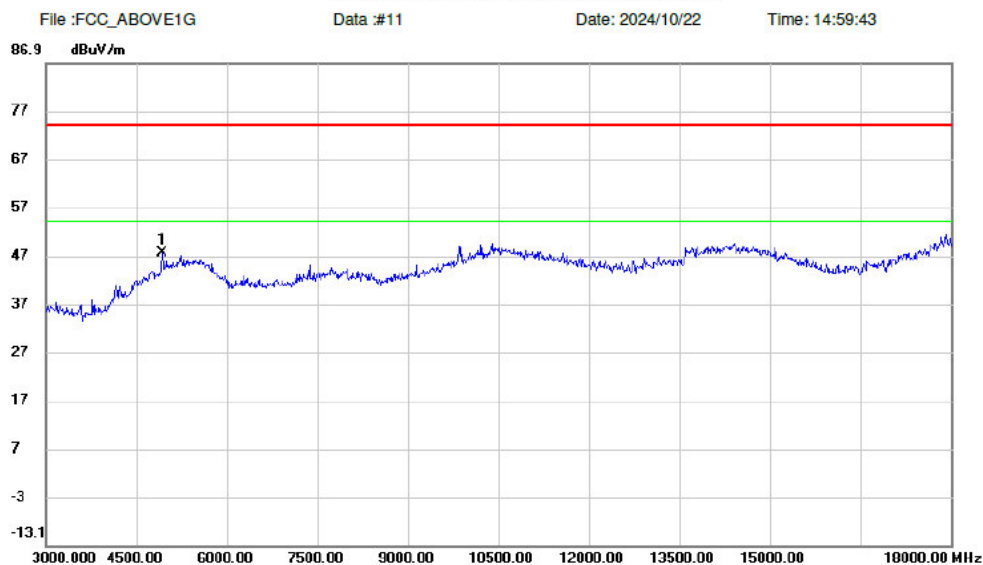


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	30.0000	46.92	-19.23	27.69	40.00	-12.31	peak	
2 *	167.7400	53.96	-16.40	37.56	43.50	-5.94	peak	
3	464.5600	47.40	-11.33	36.07	46.00	-9.93	peak	
4	504.3300	47.71	-10.87	36.84	46.00	-9.16	peak	
5	902.0300	41.34	-5.04	36.30	46.00	-9.70	peak	
6	948.5900	37.88	-4.03	33.85	46.00	-12.15	peak	

Site SH-CB02  
Limit: FCC RF\_15.247\_3M\_(Peak)  
M/N:  
Note: TP=13

Polarization: *Vertical*  
Power: DC 3V  
Distance: 3m  
Mode: TX\_G\_2462

Temperature: 24.1 (C)  
Humidity: 53 %

**Radiated Emission Measurement**


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV		dBuV/m	dBuV/m	dB		
1	*	4924.500	55.77	-8.34	47.43	74.00	-26.57	peak	

Site SH-CB02

Polarization: **Horizontal**

Temperature: 24.1 (C)

Limit: FCC Class B 3m Radiation

Power: DC 3V

Humidity: 53 %

M/N:

Distance: 3m

Mode: TX\_N20\_2412

Note: TP=0

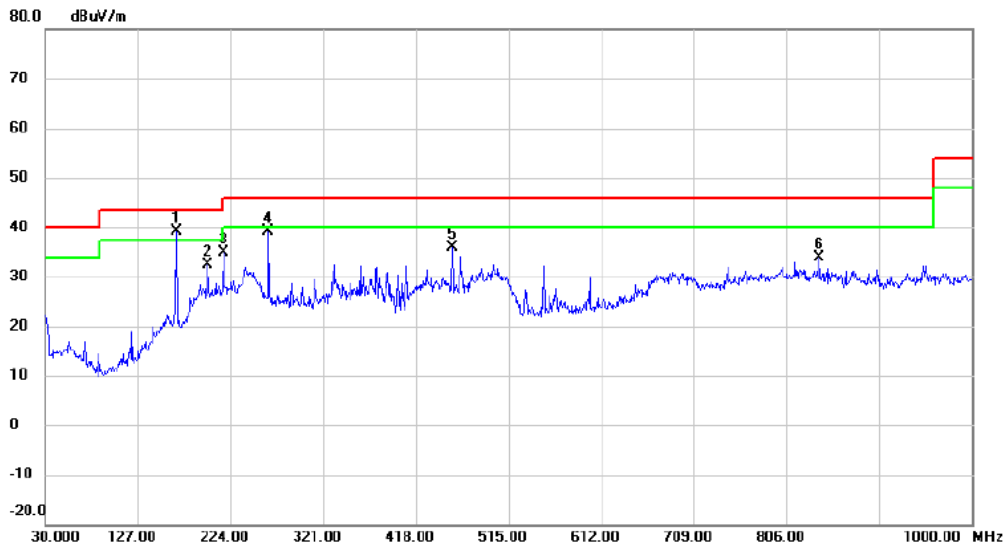
### Radiated Emission Measurement

File :FCC\_BELOW1G

Data :#13

Date: 2024/10/22

Time: 21:09:01



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV		dBuV/m	dBuV/m	dB		
1	*	167.7400	55.50	-16.40	39.10	43.50	-4.40	peak	
2		199.7500	51.41	-19.09	32.32	43.50	-11.18	peak	
3		216.2400	54.10	-19.31	34.79	46.00	-11.21	peak	
4		263.7700	55.66	-16.59	39.07	46.00	-6.93	peak	
5		455.8300	47.39	-11.47	35.92	46.00	-10.08	peak	
6		839.9500	39.02	-5.11	33.91	46.00	-12.09	peak	

Site SH-CB02

Polarization: *Horizontal*

Temperature: 24.1 (C)

Limit: FCC RF\_15.247\_3M\_(Peak)

Power: DC 3V

Humidity: 53 %

EUT: 9105

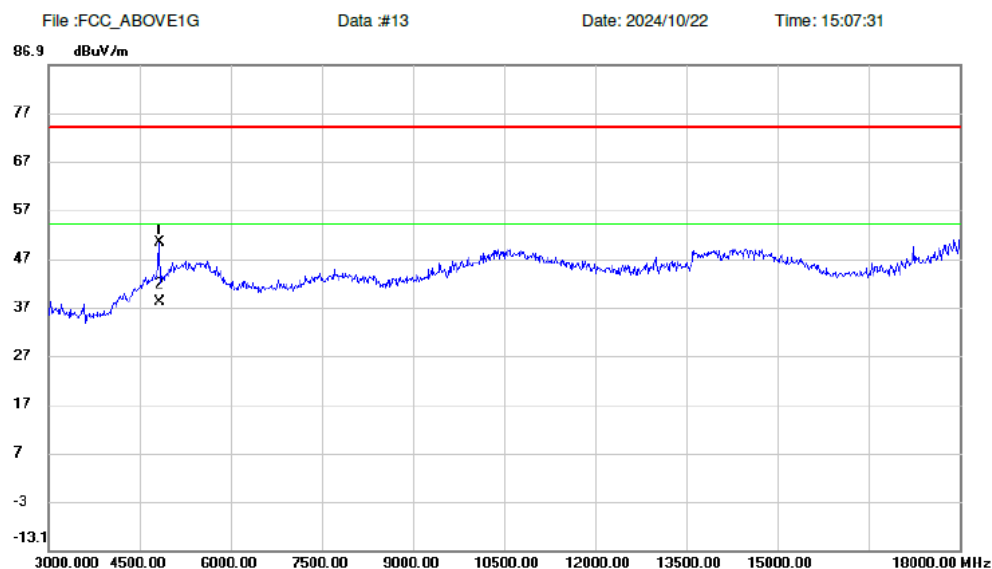
Distance: 3m

M/N:

Mode: TX\_N20\_2412

Note: TP=0

### Radiated Emission Measurement



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4821.750	59.24	-9.00	50.24	74.00	-23.76	peak	
2	*	4821.750	47.04	-9.00	38.04	54.00	-15.96	AVG	

# RF Test Report

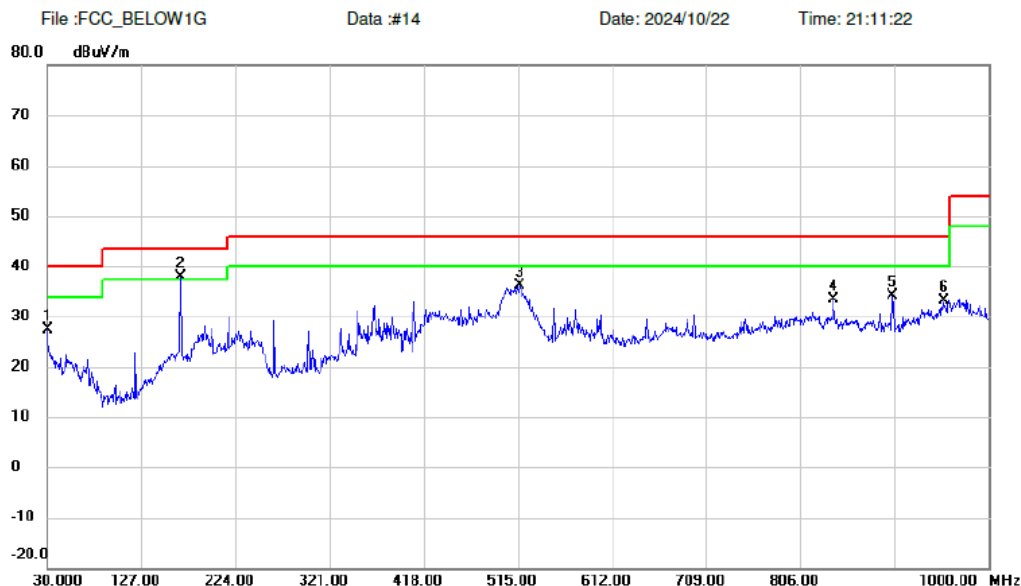
Report No.: R2409A1417-R1

Site SH-CB02  
Limit: FCC Class B 3m Radiation  
M/N:  
Note: TP=0

Polarization: *Vertical*  
Power: DC 3V  
Distance: 3m  
Mode: TX\_N20\_2412

Temperature: 24.1 (C)  
Humidity: 53 %

## Radiated Emission Measurement



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		30.0000	46.51	-19.23	27.28	40.00	-12.72	peak	
2	*	167.7400	54.33	-16.40	37.93	43.50	-5.57	peak	
3		516.9400	46.67	-10.65	36.02	46.00	-9.98	peak	
4		839.9500	38.41	-5.11	33.30	46.00	-12.70	peak	
5		901.0600	39.19	-5.06	34.13	46.00	-11.87	peak	
6		953.4400	37.20	-3.97	33.23	46.00	-12.77	peak	

Site SH-CB02

Polarization: **Vertical**

Temperature: 24.1 (C)

Limit: FCC RF\_15.247\_3M\_(Peak)

Power: DC 3V

Humidity: 53 %

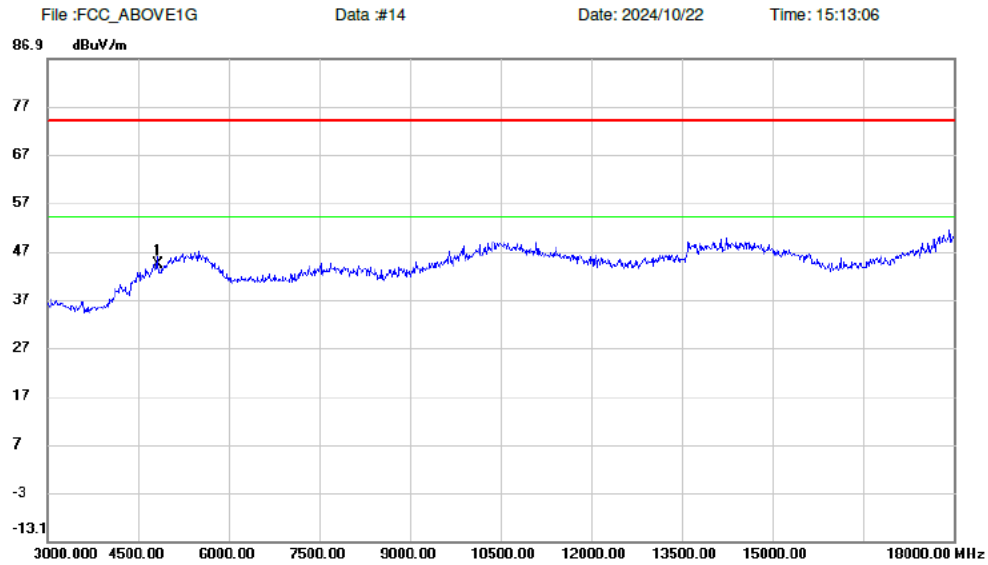
EUT: 9000

Distance: 3m

M/N:

Mode: TX\_N20\_2412

Note: TP=0

**Radiated Emission Measurement**


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV		dBuV/m	dBuV/m	dB		
1	*	4824.000	53.21	-8.98	44.23	74.00	-29.77	peak	

Site: SH-CB02

Polarization: **Horizontal**

Temperature: 24.1 (C)

Limit: FCC Class B 3m Radiation

Power: DC 3V

Humidity: 53 %

EUT: 15A

Distance: 3m

M/N:

Mode: TX\_N20\_2437

Note: TP=0

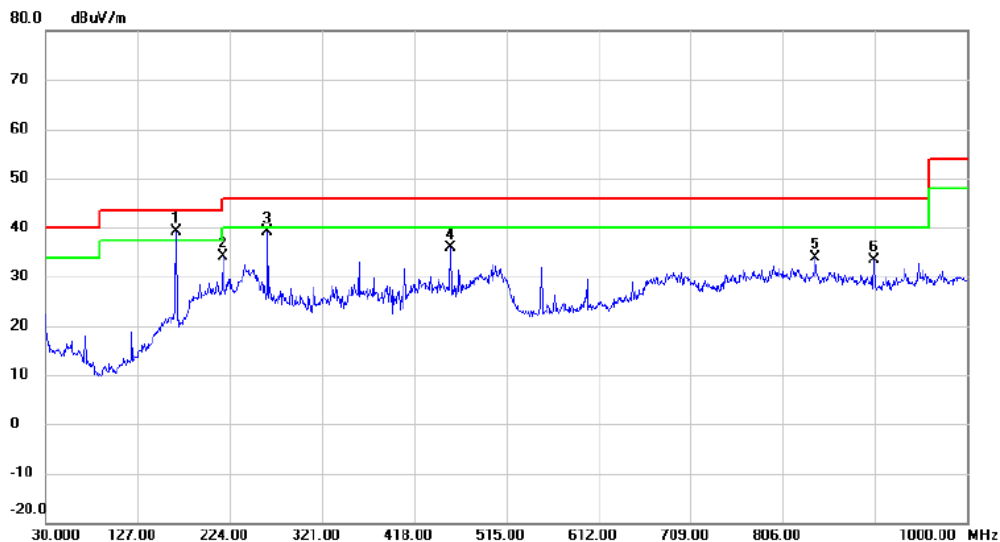
### Radiated Emission Measurement

File :FCC\_BELOW1G

Data :#16

Date: 2024/10/22

Time: 21:15:22



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	167.7400	55.61	-16.40	39.21	43.50	-4.29	peak	
2		216.2400	53.47	-19.31	34.16	46.00	-11.84	peak	
3		263.7700	55.81	-16.59	39.22	46.00	-6.78	peak	
4		455.8300	47.39	-11.47	35.92	46.00	-10.08	peak	
5		839.9500	38.94	-5.11	33.83	46.00	-12.17	peak	
6		902.0300	38.49	-5.04	33.45	46.00	-12.55	peak	

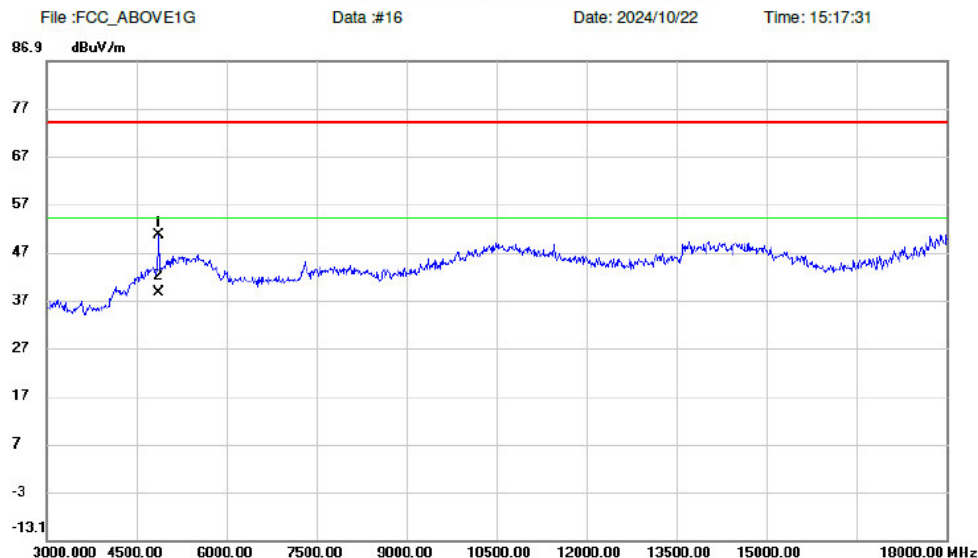


Site SH-CB02  
Limit: FCC RF\_15.247\_3M\_(Peak)  
M/N:  
Note: TP=0

Polarization: **Horizontal**  
Power: DC 3V  
Distance: 3m  
Mode: TX\_N20\_2437

Temperature: 24.1 (C)  
Humidity: 53 %

### Radiated Emission Measurement



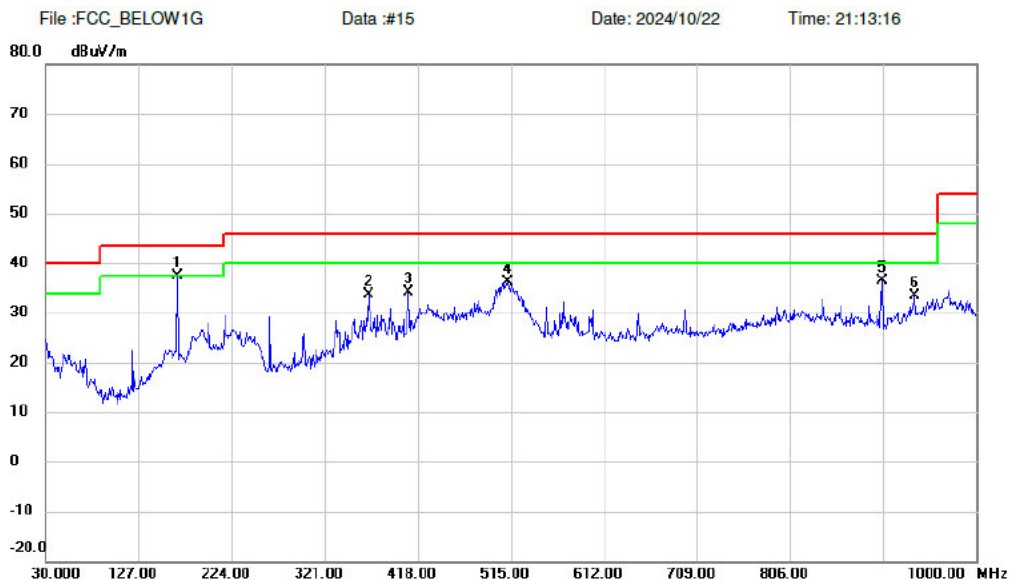
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV		dBuV/m	dBuV/m	dB	Detector	Comment
1		4875.750	59.29	-8.65	50.64	74.00	-23.36	peak	
2	*	4875.750	47.26	-8.65	38.61	54.00	-15.39	AVG	

Site SH-CB02  
Limit: FCC Class B 3m Radiation  
M/N:  
Note: TP=0

Polarization: **Vertical**  
Power: DC 3V  
Distance: 3m  
Mode: TX\_N20\_2437

Temperature: 24.1 (C)  
Humidity: 53 %

### Radiated Emission Measurement



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV		dBuV/m	dBuV/m	dB	Detector	Comment
1	*	167.7400	53.83	-16.40	37.43	43.50	-6.07	peak	
2		366.5900	47.39	-13.86	33.53	46.00	-12.47	peak	
3		408.3000	46.90	-12.83	34.07	46.00	-11.93	peak	
4		512.0900	46.81	-10.73	36.08	46.00	-9.92	peak	
5		902.0300	41.48	-5.04	36.44	46.00	-9.56	peak	
6		935.9800	37.60	-4.30	33.30	46.00	-12.70	peak	

Site SH-CB02

Polarization: *Vertical*

Temperature: 24.1 (C)

Limit: FCC RF\_15.247\_3M\_(Peak)

Power: DC 3V

Humidity: 53 %

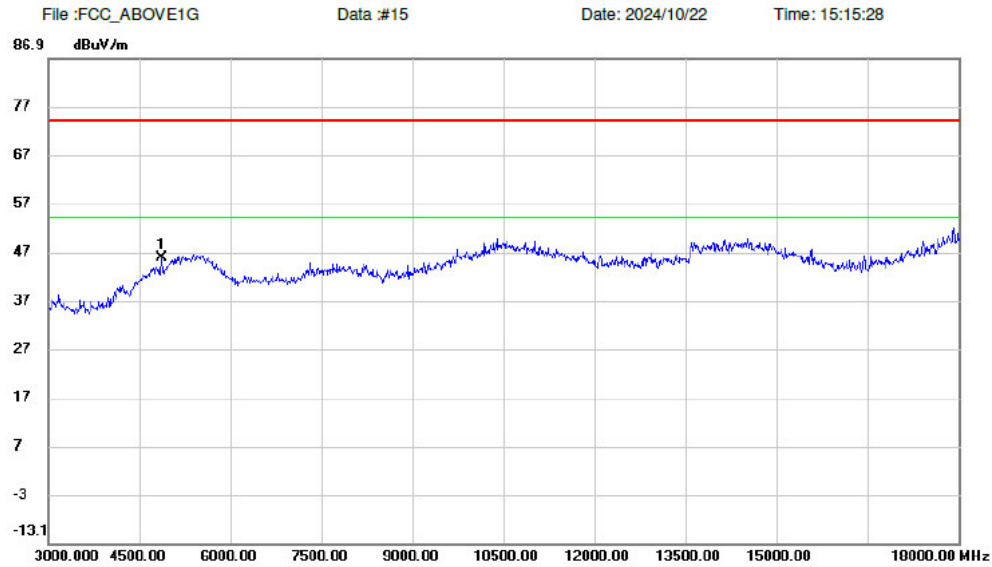
Distance: 3m

M/N:

Mode: TX\_N20\_2437

Note: TP=0

### Radiated Emission Measurement



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV		dBuV/m	dBuV/m	dB		
1	*	4870.500	54.46	-8.68	45.78	74.00	-28.22	peak	

Site SH-CB02

Polarization: **Horizontal**

Temperature: 24.1 (C)

Limit: FCC Class B 3m Radiation

Power: DC 3V

Humidity: 53 %

M/N:

Distance: 3m

Mode: TX\_N20\_2462

Note: TP=1

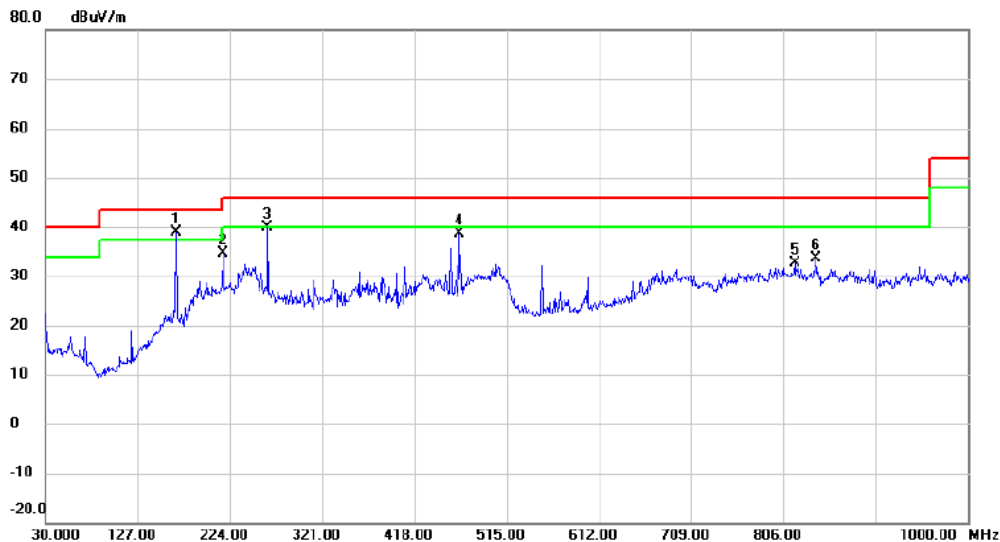
### Radiated Emission Measurement

File :FCC\_BELOW1G

Data :#17

Date: 2024/10/22

Time: 21:19:23



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV		dBuV/m	dBuV/m	dB	Detector	Comment
1	*	167.7400	55.18	-16.40	38.78	43.50	-4.72	peak	
2		216.2400	53.84	-19.31	34.53	46.00	-11.47	peak	
3		263.7700	56.35	-16.59	39.76	46.00	-6.24	peak	
4		464.5600	49.96	-11.33	38.63	46.00	-7.37	peak	
5		817.6400	37.93	-5.31	32.62	46.00	-13.38	peak	
6		839.9500	38.68	-5.11	33.57	46.00	-12.43	peak	

Site SH-CB02

Polarization: *Horizontal*

Temperature: 24.1 (C)

Limit: FCC RF\_15.247\_3M\_(Peak)

Power: DC 3V

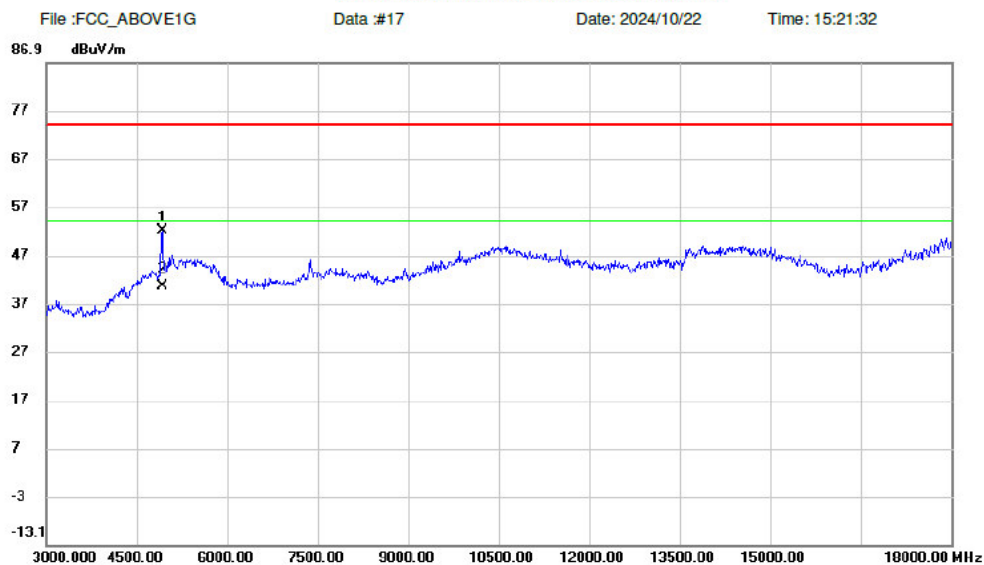
Humidity: 53 %

Distance: 3m

M/N:

Mode: TX\_N20\_2462

Note: TP=1

**Radiated Emission Measurement**


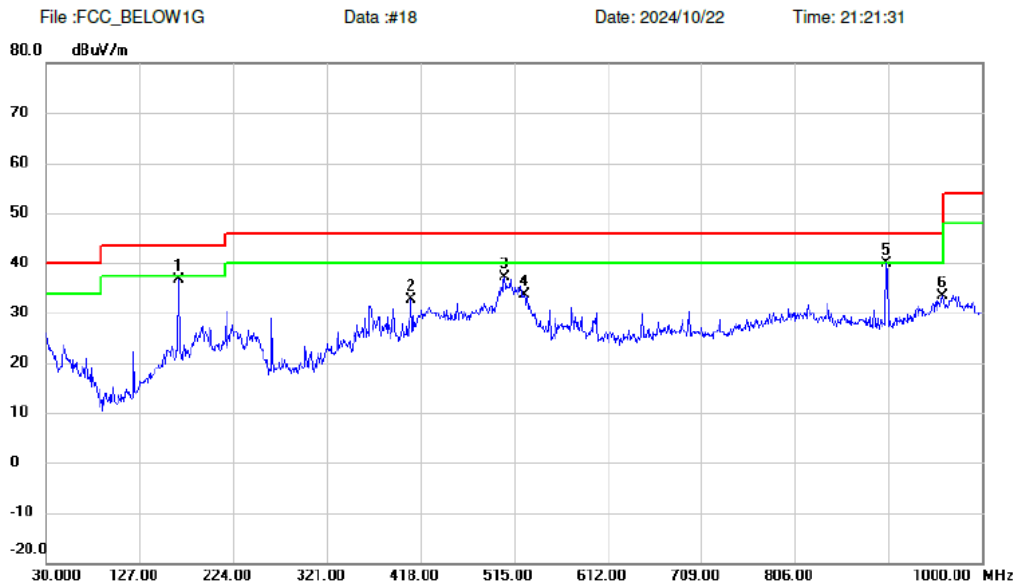
No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
		MHz	Level		ment				
			dBuV	Factor	dBuV/m	dBuV/m	dB		
1		4931.250	60.33	-8.30	52.03	74.00	-21.97	peak	
2	*	4931.250	48.81	-8.30	40.51	54.00	-13.49	AVG	

Site SH-CB02  
Limit: FCC Class B 3m Radiation  
EUT: N/A  
M/N:  
Note: TP=1

Polarization: **Vertical**  
Power: DC 3V  
Distance: 3m  
Mode: TX\_N20\_2462

Temperature: 24.1 (C)  
Humidity: 53 %

### Radiated Emission Measurement



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV		dBuV/m	dBuV/m	dB	Detector	Comment
1		167.7400	53.08	-16.40	36.68	43.50	-6.82	peak	
2		408.3000	45.57	-12.83	32.74	46.00	-13.26	peak	
3		505.3000	47.99	-10.85	37.14	46.00	-8.86	peak	
4		525.6700	44.19	-10.50	33.69	46.00	-12.31	peak	
5	*	901.0600	44.96	-5.06	39.90	46.00	-6.10	peak	
6		959.2600	37.27	-3.94	33.33	46.00	-12.67	peak	

Site SH-CB02

Polarization: **Vertical**

Temperature: 24.1 (C)

Limit: FCC RF\_15.247\_3M\_(Peak)

Power: DC 3V

Humidity: 53 %

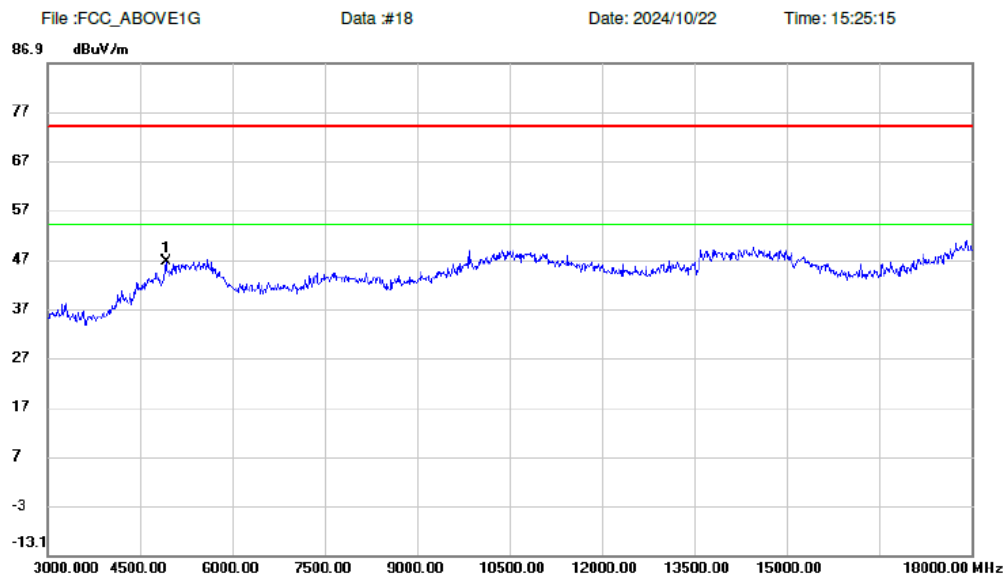
M/N:

Distance: 3m

Mode: TX\_N20\_2462

Note: TP=1

### Radiated Emission Measurement



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV		dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4929.750	54.87	-8.31	46.56	74.00	-27.44	peak	

During the test, the Radiates Emission from 18GHz to 40GHz was performed in all modes with all channels, 802.11b CH11 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

Site: SH-CB02	Polarization: <b>Horizontal</b>	Temperature: 22.5 (C)
Limit: FCC RF_15.247_3M_(Peak)	Power: DC 3V	Humidity: 47 %
M/N:	Distance: 3m	
Note: TP=0	Mode: TX_B_2462	

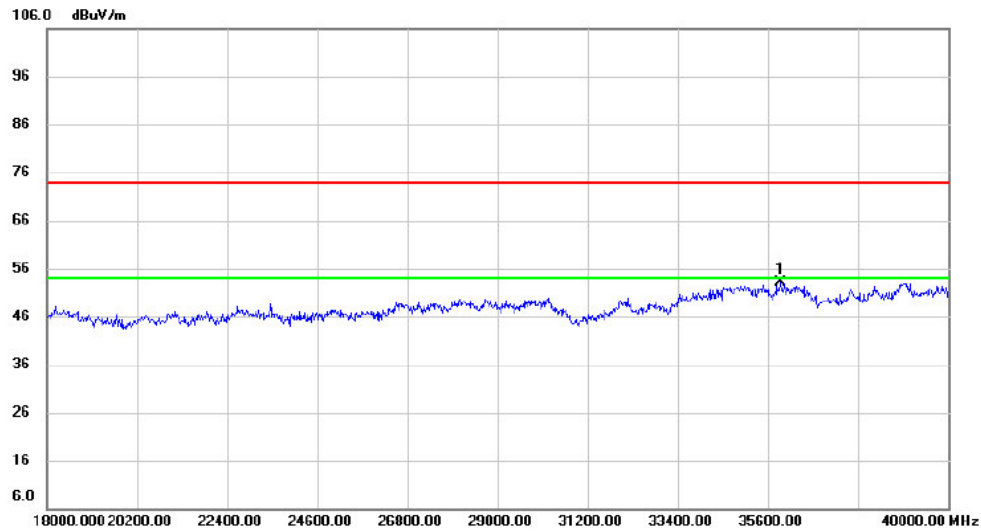
### Radiated Emission Measurement

File :FCC\_ABOVE1G

Data :#2

Date: 2024/10/23

Time: 15:10:22



No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
	MHz	dBuV		dBuV/m	dBuV/m	dB		
1 *	35897.000	52.33	0.78	53.11	74.00	-20.89	peak	

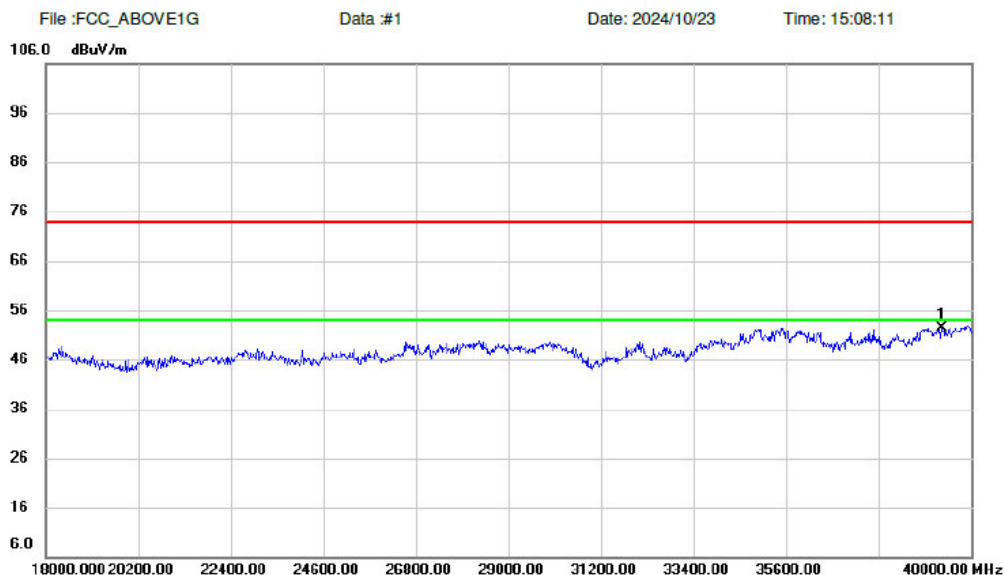


Site SH-CB02  
Limit: FCC RF\_15.247\_3M\_(Peak)  
M/N:  
Note: TP=0

Polarization: **Vertical**  
Power: DC 3V  
Distance: 3m  
Mode: TX\_B\_2462

Temperature: 22.5 (C)  
Humidity: 47 %

### Radiated Emission Measurement



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV		dBuV/m	dBuV/m	dB		
1	*	39310.300	48.46	4.01	52.47	74.00	-21.53	peak	

## Bluetooth LE

During the test, the Radiates Emission from 9kHz to 1GHz was performed in all modes with all channels, Bluetooth LE-Channel 0 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

Site SH-CB02

Limit: FCC 15.209\_3m(QP&AVG)\_new

Test: 15.209

M/N:

Note: TP=11

Polarization: **Horizontal**

Power: DC 3V

Distance: 3m

Mode: TX\_1M\_2402

Temperature: 22.5 (C)

Humidity: 47 %

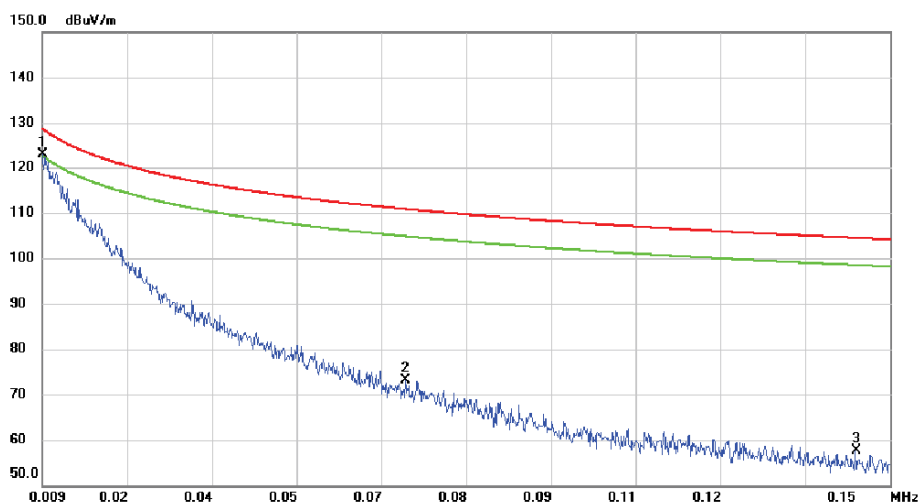
### Radiated Emission Measurement

File :9K

Data :#2

Date: 2024/10/23

Time: 9:45:34



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV		dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0090	52.83	69.99	122.82	128.52	-5.70	peak	
2		0.0694	36.62	36.40	73.02	110.78	-37.76	peak	
3		0.1444	32.05	25.56	57.61	104.42	-46.81	peak	

Site: SH-CB02

Limit: FCC 15.209\_3m(QP&AVG)\_new

PCN: 0104

M/N:

Note: TP=11

Polarization: **Horizontal**

Power: DC 3V

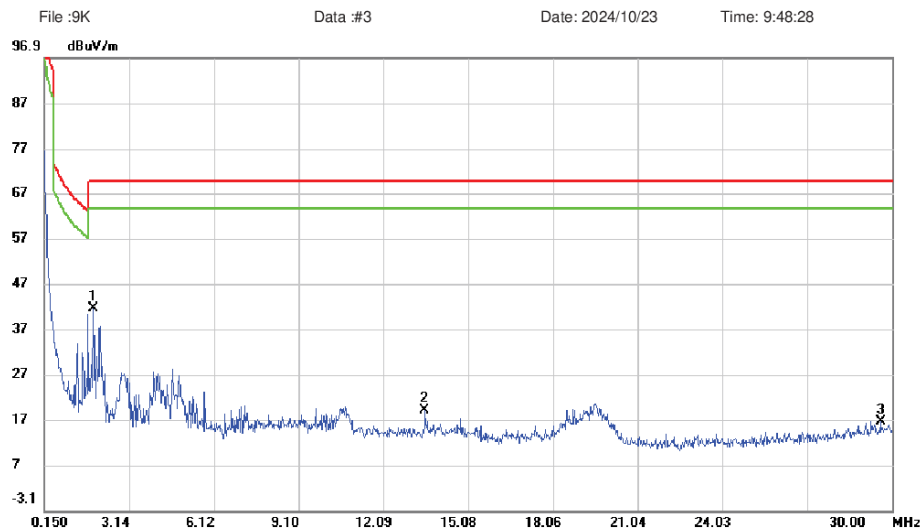
Distance: 3m

Mode: TX\_1M\_2402

Temperature: 22.5 (C)

Humidity: 47 %

### Radiated Emission Measurement



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV		dBuV/m	dBuV/m	dB	Detector	Comment
1	*	1.8813	40.01	1.51	41.52	69.54	-28.02	peak	
2		13.5526	21.02	-2.07	18.95	69.54	-50.59	peak	
3		29.6120	18.52	-2.00	16.52	69.54	-53.02	peak	

Site: SH-CB02

Limit: FCC 15.209\_3m(QP&amp;AVG)\_new

M/N:

M/N:

Note: TP=11

Polarization: **Vertical**

Power: DC 3V

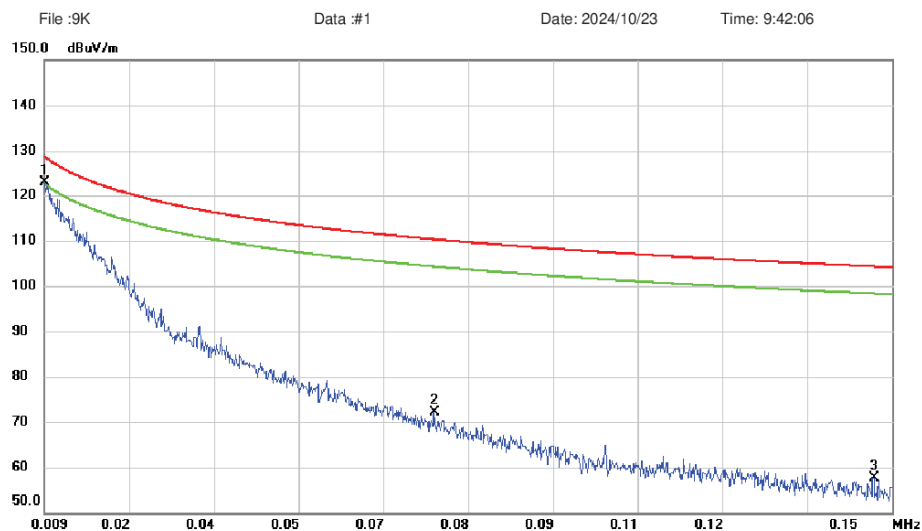
Distance: 3m

Mode: TX\_1M\_2402

Temperature: 22.5 (C)

Humidity: 47 %

### Radiated Emission Measurement



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV		dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0091	53.11	69.78	122.89	128.42	-5.53	peak	
2		0.0740	37.00	35.17	72.17	110.22	-38.05	peak	
3		0.1470	32.32	25.35	57.67	104.26	-46.59	peak	

Site: SH-CB02

Limit: FCC 15.209\_3m(QP&AVG)\_new

PCN: 0104

M/N:

Note: TP=11

Polarization: **Vertical**

Power: DC 3V

Distance: 3m

Mode: TX\_1M\_2402

Temperature: 22.5 (C)

Humidity: 47 %

### Radiated Emission Measurement



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV		dBuV/m	dBuV/m	dB	Detector	Comment
1	*	1.8813	34.67	1.51	36.18	69.54	-33.36	peak	
2		13.4930	27.57	-2.07	25.50	69.54	-44.04	peak	
3		24.0002	28.06	-5.17	22.89	69.54	-46.65	peak	

Site SH-CB02

Limit: FCC Class B 3m Radiation

IS717: 2016

M/N:

Note: TP=11

Polarization: **Horizontal**

Power: DC 3V

Distance: 3m

Mode: TX\_1M\_2402

Temperature: 24.1 (C)

Humidity: 53 %

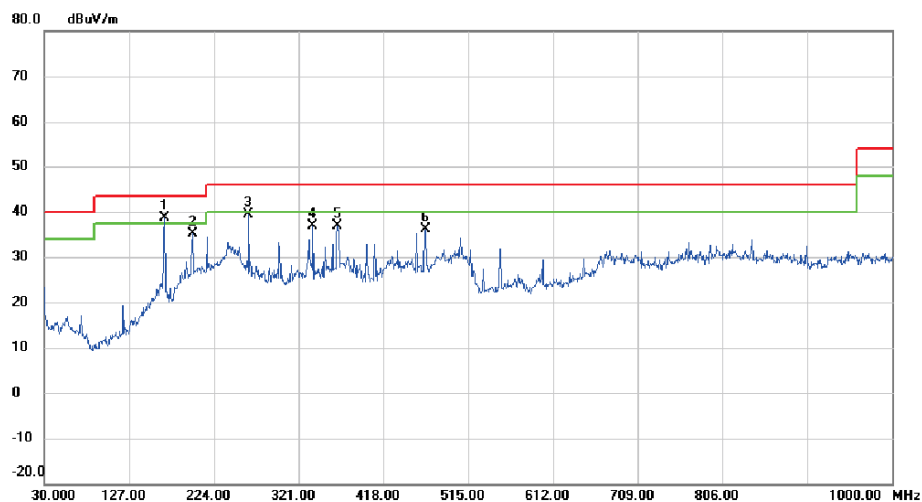
### Radiated Emission Measurement

File :FCC\_BELOW1G

Data :#1

Date :2024/10/22

Time :21:27:44



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV		dBuV/m	dBuV/m	dB	Detector	Comment
1	*	167.7400	54.97	-16.40	38.57	43.50	-4.93	peak	
2		199.7500	54.32	-19.09	35.23	43.50	-8.27	peak	
3		263.7700	55.98	-16.59	39.39	46.00	-6.61	peak	
4		337.4900	51.45	-14.46	36.99	46.00	-9.01	peak	
5		365.6200	50.79	-13.90	36.89	46.00	-9.11	peak	
6		466.5000	47.49	-11.31	36.18	46.00	-9.82	peak	

Site: SH-CB02

Limit: FCC RF\_15.247\_3M\_(Peak)

M/N:

M/N:

Note: TP=11

Polarization: **Horizontal**

Power: DC 3V

Distance: 3m

Mode: TX\_1M\_2402

Temperature: 24.1 (C)

Humidity: 53 %

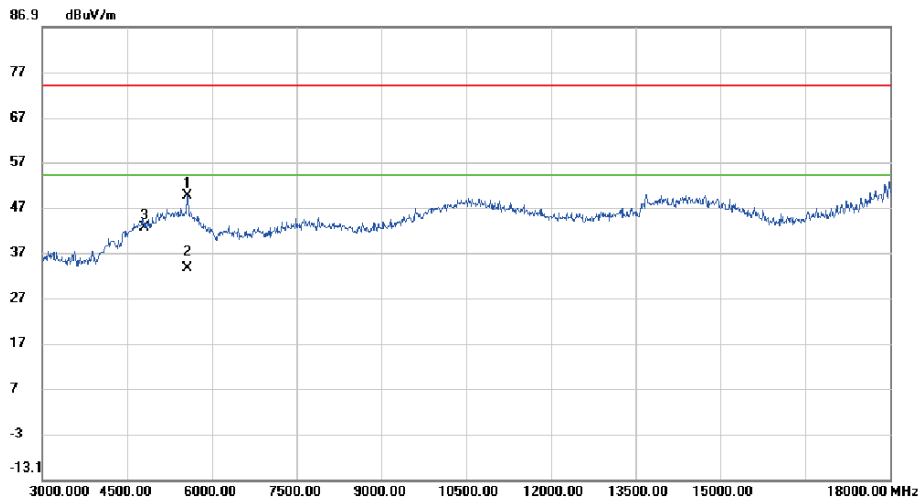
### Radiated Emission Measurement

File :FCC\_ABOVE1G

Data :#2

Date: 2024/10/22

Time: 13:54:44



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV		dBuV/m	dBuV/m	dB	Detector	Comment
1		5576.250	55.92	-6.34	49.58	74.00	-24.42	peak	
2	*	5576.250	39.94	-6.34	33.60	54.00	-20.40	AVG	
3		4804.000	51.56	-9.11	42.45	74.00	-31.55	peak	

Site: SH-CB02

Limit: FCC Class B 3m Radiation

M/N:

M/N:

Note: TP=11

Polarization: **Vertical**

Power: DC 3V

Distance: 3m

Mode: TX\_1M\_2402

Temperature: 24.1 (C)

Humidity: 53 %

### Radiated Emission Measurement

File : FCC\_BELOW1G

Data : #2

Date : 2024/10/22

Time : 21:30:54



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV		dBuV/m	dBuV/m	dB	Detector	Comment
1		167.7400	52.23	-16.40	35.83	43.50	-7.67	peak	
2		196.8400	53.03	-18.96	34.07	43.50	-9.43	peak	
3	*	366.5900	53.09	-13.86	39.23	46.00	-6.77	peak	
4		509.1800	47.96	-10.78	37.18	46.00	-8.82	peak	
5		832.1900	40.76	-5.17	35.59	46.00	-10.41	peak	
6		901.0600	39.37	-5.06	34.31	46.00	-11.69	peak	



Site: SH-CB02

Limit: FCC RF\_15.247\_3M\_(Peak)

RFN: 010

M/N:

Note: TP=11

Polarization: **Vertical**

Power: DC 3V

Distance: 3m

Mode: TX\_1M\_2402

Temperature: 24.1 (C)

Humidity: 53 %

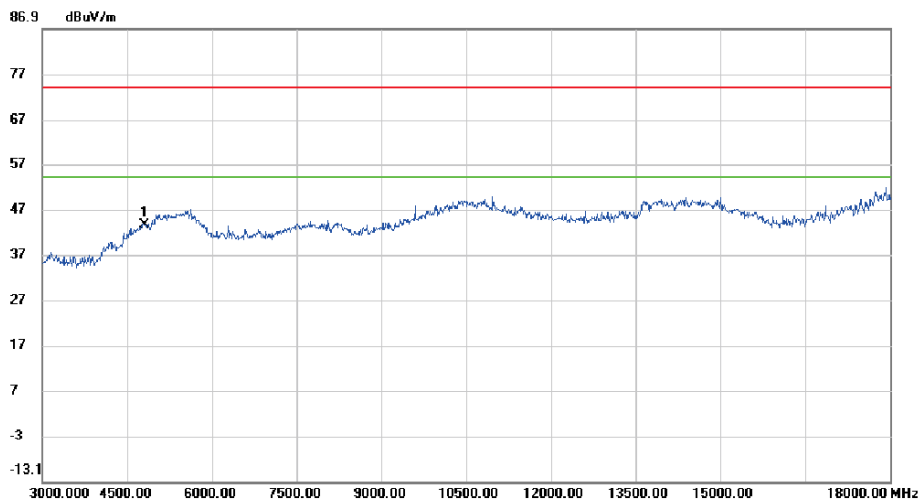
### Radiated Emission Measurement

File :FCC\_ABOVE1G

Data :#1

Date: 2024/10/22

Time: 13:53:18



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV		dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4804.000	52.69	-9.11	43.58	74.00	-30.42	peak	

Site: SH-CB02

Limit: FCC Class B 3m Radiation

M/N:

M/N:

Note: TP=11

Polarization: **Horizontal**

Power: DC 3V

Distance: 3m

Mode: TX\_1M\_2440

Temperature: 24.1 (C)

Humidity: 53 %

### Radiated Emission Measurement

File :FCC\_BELOW1G

Data :#3

Date :2024/10/22

Time :21:56:37



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV		dBuV/m	dBuV/m	dB	Detector	Comment
1	!	167.7400	55.74	-16.40	39.34	43.50	-4.16	peak	
2		191.9900	54.67	-18.75	35.92	43.50	-7.58	peak	
3		216.2400	57.14	-19.31	37.83	46.00	-8.17	peak	
4	*	257.9500	58.94	-16.86	42.08	46.00	-3.92	peak	
5	!	352.0400	55.21	-14.21	41.00	46.00	-5.00	peak	
6	!	380.1700	53.72	-13.42	40.30	46.00	-5.70	peak	

Site: SH-CB02

Limit: FCC RF\_15.247\_3M\_(Peak)

M/N:

M/N:

Note: TP=11

Polarization: **Horizontal**

Power: DC 3V

Distance: 3m

Mode: TX\_1M\_2440

Temperature: 24.1 (C)

Humidity: 53 %

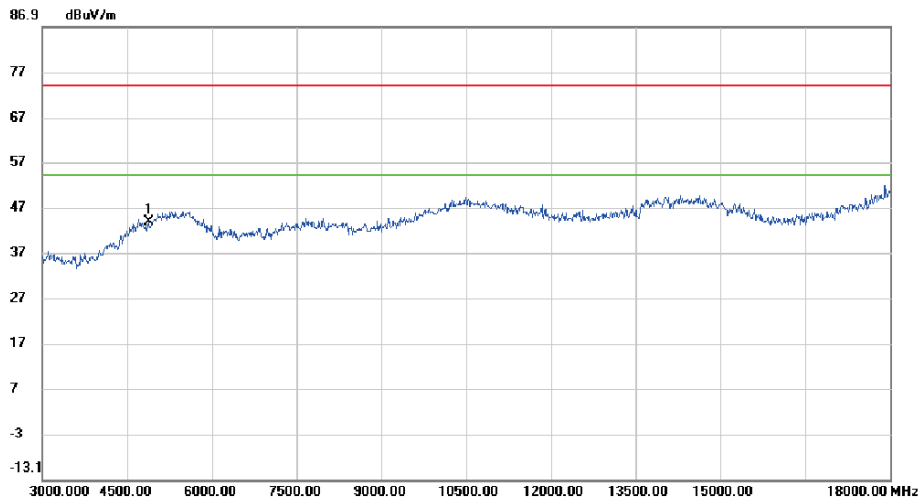
### Radiated Emission Measurement

File :FCC\_ABOVE1G

Data :#6

Date :2024/10/22

Time :14:04:35



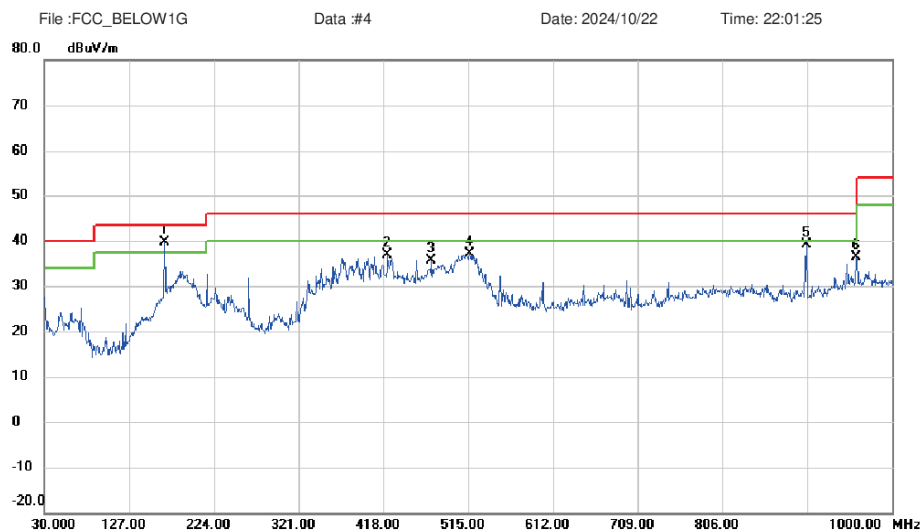
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV		dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4880.000	52.30	-8.63	43.67	74.00	-30.33	peak	

Site: SH-CB02  
Limit: FCC Class B 3m Radiation  
M/N:  
Note: TP=11

Polarization: **Vertical**  
Power: DC 3V  
Distance: 3m  
Mode: TX\_1M\_2440

Temperature: 24.1 (C)  
Humidity: 53 %

### Radiated Emission Measurement



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV		dBuV/m	dBuV/m	dB	Detector	Comment
1	*	167.7400	56.01	-16.40	39.61	43.50	-3.89	peak	
2		422.8500	49.24	-12.46	36.78	46.00	-9.22	peak	
3		473.2900	46.89	-11.21	35.68	46.00	-10.32	peak	
4		516.9400	47.90	-10.65	37.25	46.00	-8.75	peak	
5		902.0300	44.29	-5.04	39.25	46.00	-6.75	peak	
6		959.2600	40.44	-3.94	36.50	46.00	-9.50	peak	

Site: SH-CB02

Limit: FCC RF\_15.247\_3M\_(Peak)

M/N:

M/N:

Note: TP=11

Polarization: **Vertical**

Power: DC 3V

Distance: 3m

Mode: TX\_1M\_2440

Temperature: 24.1 (C)

Humidity: 53 %

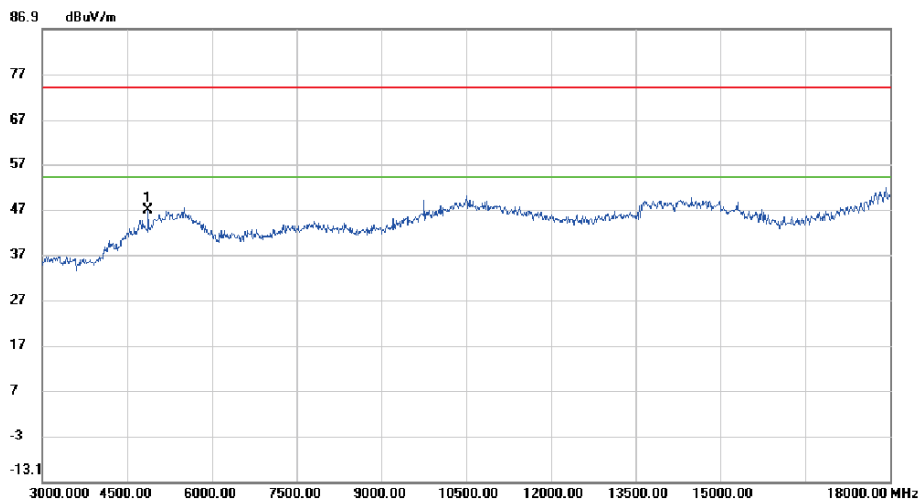
### Radiated Emission Measurement

File :FCC\_ABOVE1G

Data :#5

Date :2024/10/22

Time :14:02:53



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV		dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4879.500	55.29	-8.63	46.66	74.00	-27.34	peak	

Site: SH-CB02

Limit: FCC Class B 3m Radiation

M/N:

M/N:

Note: TP=11

Polarization: **Horizontal**

Power: DC 3V

Distance: 3m

Mode: TX\_1M\_2462

Temperature: 24.1 (C)

Humidity: 53 %

### Radiated Emission Measurement

File : FCC\_BELOW1G

Data :#6

Date :2024/10/22

Time :22:13:52



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV		dBuV/m	dBuV/m	dB	Detector	Comment
1	*	167.7400	60.39	-16.40	43.99	43.50	0.49	peak	
2	!	167.7400	58.24	-16.40	41.84	43.50	-1.66	QP	
3		191.9900	53.12	-18.75	34.37	43.50	-9.13	peak	
4		216.2400	56.71	-19.31	37.40	46.00	-8.60	peak	
5		239.5200	52.94	-17.50	35.44	46.00	-10.56	peak	
6		263.7700	54.89	-16.59	38.30	46.00	-7.70	peak	
7		408.3000	47.64	-12.83	34.81	46.00	-11.19	peak	

Site: SH-CB02

Limit: FCC RF\_15.247\_3M\_(Peak)

M/N:

M/N:

Note: TP=11

Polarization: **Horizontal**

Power: DC 3V

Distance: 3m

Mode: TX\_1M\_2480

Temperature: 24.1 (C)

Humidity: 53 %

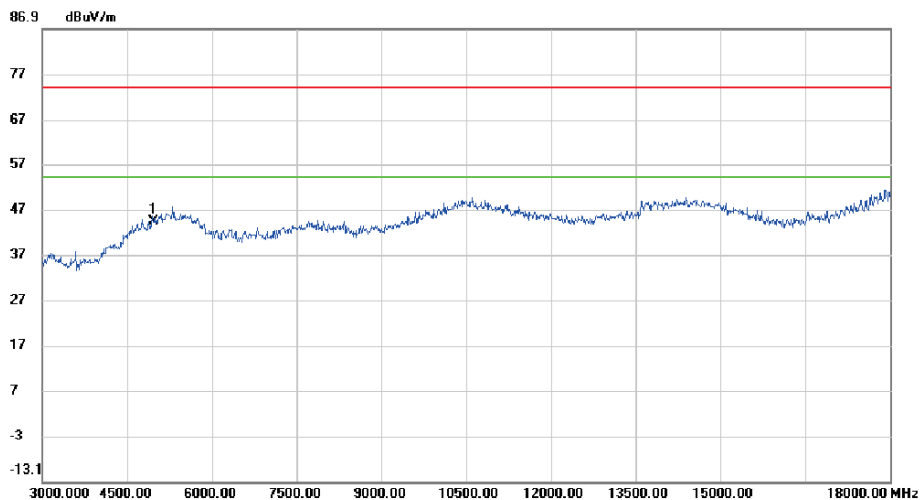
### Radiated Emission Measurement

File :FCC\_ABOVE1G

Data :#3

Date :2024/10/22

Time :13:59:29



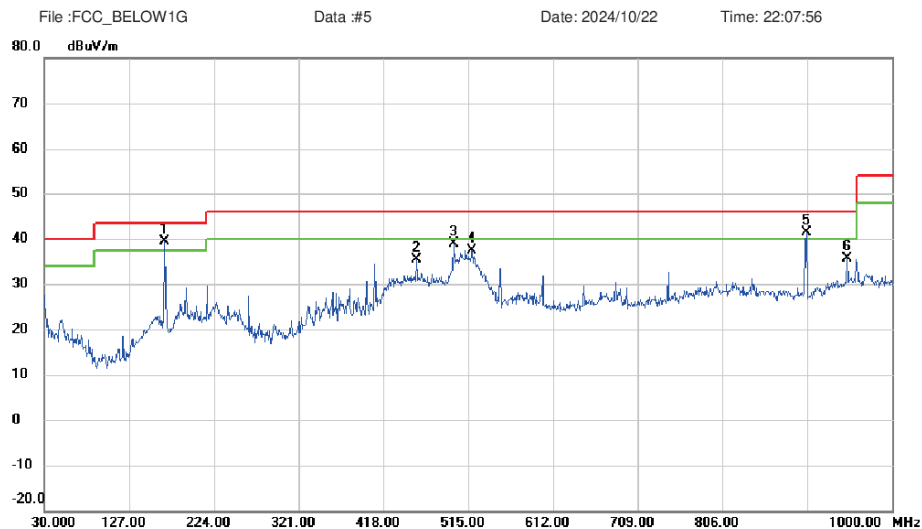
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV		dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4960.000	52.44	-8.11	44.33	74.00	-29.67	peak	

Site: SH-CB02  
Limit: FCC Class B 3m Radiation  
M/N:  
Note: TP=11

Polarization: **Vertical**  
Power: DC 3V  
Distance: 3m  
Mode: TX\_1M\_2462

Temperature: 24.1 (C)  
Humidity: 53 %

### Radiated Emission Measurement





Site: SH-CB02

Limit: FCC RF\_15.247\_3M\_(Peak)

PCN: 000

M/N:

Note: TP=11

Polarization: **Vertical**

Power: DC 3V

Distance: 3m

Mode: TX\_1M\_2480

Temperature: 24.1 (C)

Humidity: 53 %

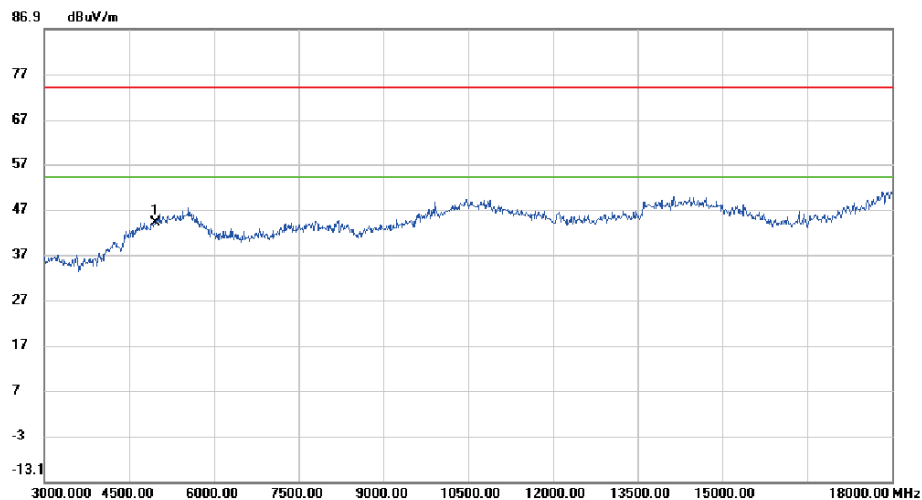
### Radiated Emission Measurement

File :FCC\_ABOVE1G

Data :#4

Date: 2024/10/22

Time: 14:01:03



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV		dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4960.000	52.07	-8.11	43.96	74.00	-30.04	peak	

During the test, the Radiates Emission from 18GHz to 40GHz was performed in all modes with all channels, Bluetooth LE-Channel 0 are selected as the worst condition. The test data of the worst-case condition was recorded in this report.

Site SH-CB02

Limit: FCC RF\_15.247\_3M\_(Peak)

ID#: 2104

M/N:

Note: TP=11

Polarization: **Horizontal**

Power:

Distance: 3m

Mode: TX\_1M\_2402

Temperature: 22.6 (C)

Humidity: 45 %

### Radiated Emission Measurement

File :FCC\_ABOVE1G

Data :#1

Date: 2024/10/23

Time: 15:14:06



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBuV		dBuV/m	dBuV/m	dB		
1	*	39816.300	47.65	5.52	53.17	74.00	-20.83	peak	

Site: SH-CB02

Limit: FCC RF\_15.247\_3M\_(Peak)

RFN: 0104

M/N:

Note: TP=11

Polarization: **Vertical**

Power: DC 3V

Distance: 3m

Mode: TX\_1M\_2402

Temperature: 22.6 (C)

Humidity: 45 %

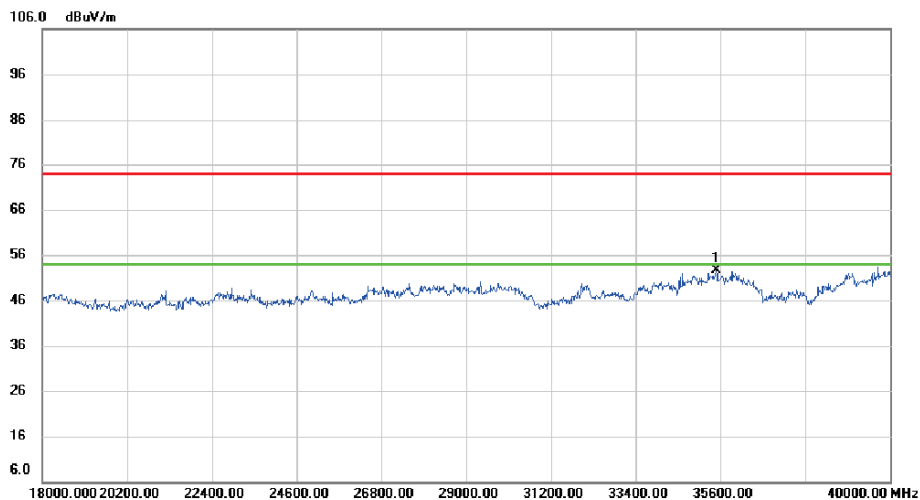
### Radiated Emission Measurement

File :FCC\_ABOVE1G

Data :#2

Date: 2024/10/23

Time: 15:16:38



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV		dBuV/m	dBuV/m	dB	Detector	Comment
1	*	35496.600	52.05	0.63	52.68	74.00	-21.32	peak	

## 5.7. Conducted Emission

### Ambient Condition

Temperature	Relative humidity
15°C ~ 35°C	20% ~ 80%

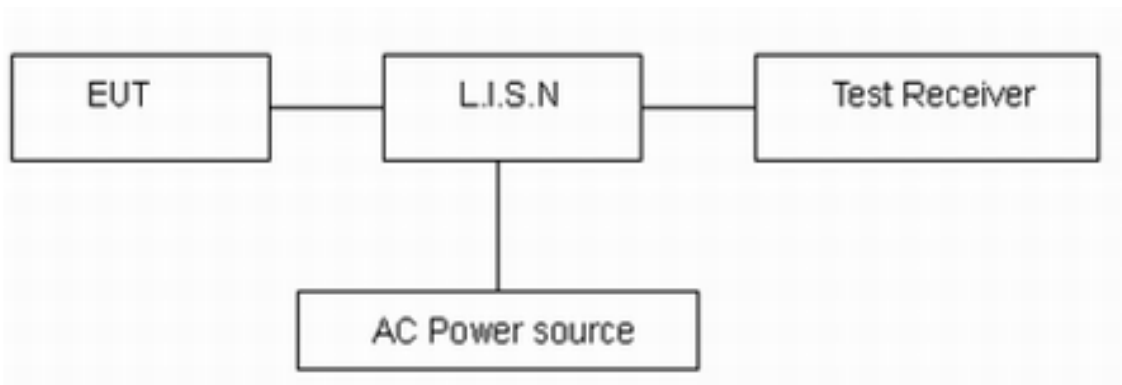
### Methods of Measurement

The EUT is placed on a non-metallic table of 80cm height above the horizontal metal reference ground plane. During the test, the EUT was operating in its typical mode. The test method is according to ANSI C63.10. Connect the AC power line of the EUT to the L.I.S.N. Use EMI receiver to detect the average and Quasi-peak value. RBW is set to 9 kHz, VBW is set to 30kHz.

The measurement result should include both L line and N line.

The test is in transmitting mode.

### Test Setup



Note: AC Power source is used to change the voltage 110V/60Hz.

### Limits

Frequency (MHz)	Conducted Limits(dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56 *	56 to 46*
0.5 - 5	56	46
5 - 30	60	50
*: Decreases with the logarithm of the frequency.		

### Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor  $k = 1.96$ ,  $U = 2.69$  dB.

**Test Results:**

The equipment is not connected to the public network, so test items do not apply.

## 6. Main Test Instruments

**Date of Testing: September 25, 2024 ~ October 4, 2024**

Name	Manufacturer	Type	Serial Number	Calibration Date	Expiration Date
Power sensor	R&S	NRP18S	101954	2024-05-07	2025-05-06
Spectrum Analyzer	KEYSIGHT	N9020A	MY51330870	2024-05-07	2025-05-06

**Date of Testing: September 22, 2024 ~ October 29, 2024**

Name	Manufacturer	Type	Serial Number	Calibration Date	Expiration Date
Unwanted Emissions					
SH-E-048	Loop Antenna	EMCI LPA600	275	2024-03-13	2024-03-12
SH-E-024	MXE EMI Receiver	N9038A	MY56400088	2024-02-03	2024-02-02
SH-K-02	Measurement Software	EZ-EMC Ver.NB-03A1	N/A	N/A	N/A
SH-E-004	Pre-Amplifier	EMC9135	980401	2024-02-03	2024-02-02
SH-E-290	Antenna	VULB 9168	1467	2024-05-13	2025-05-12
SH-E-004	Pre-Amplifier	EMC9135	980401	2024-02-03	2025-02-02
SH-E-024	MXE EMI Receiver	N9038A	MY56400088	2024-02-03	2025-02-02
SH-E-147	Double-Ridged Waveguide Horn Antenna	BBHA 9120D	9120D-1817	2024-05-13	2025-05-12
SH-E-222	Pre-Amplifier	EMC051845SE	980725	2024-07-13	2025-07-12
SH-E-021	EXA Spectrum Analyzer	N9010A	MY56480579	2024-02-03	2025-02-02
SH-C-55	Test Cable	EMC104-SM-S M-7000	181020	2024-05-21	2025-05-20
SH-C-57	Test Cable	RWP50-4.6A-S MSM-1M	20200928 002	2024-05-21	2025-05-20
SH-C-13	Test Cable	EMC104-SM-S M-2500	170618	2024-05-21	2025-05-20
SH-K-02	Measurement Software	EZ-EMC Ver.NB-03A1	N/A	N/A	N/A
E-564	Antenna	BBHA9170	9170-651	2024-03-16	2024-03-15
E-563	Pre-Amplifier	EMC184045B	980265	2024-02-03	2024-02-02
SH-C-99	Test Cable	100% S-Parameter Recorded	F02-150819-03 9	2024-10-22	2024-10-21
SH-C-15	Test Cable	EMC104-SM-S	170616	2024-10-22	2024-10-21

		M-2500			
SH-C-36	Test Cable	EMC104-SM-S M-2500	170652	2024-10-22	2024-10-21
SH-K-02	Measurement Software	EZ-EMC Ver.NB-03A1	N/A	N/A	N/A

## ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.



## ANNEX B: Test Setup Photos

The Test Setup Photos are submitted separately.

\*\*\*\*\* END OF REPORT \*\*\*\*\*