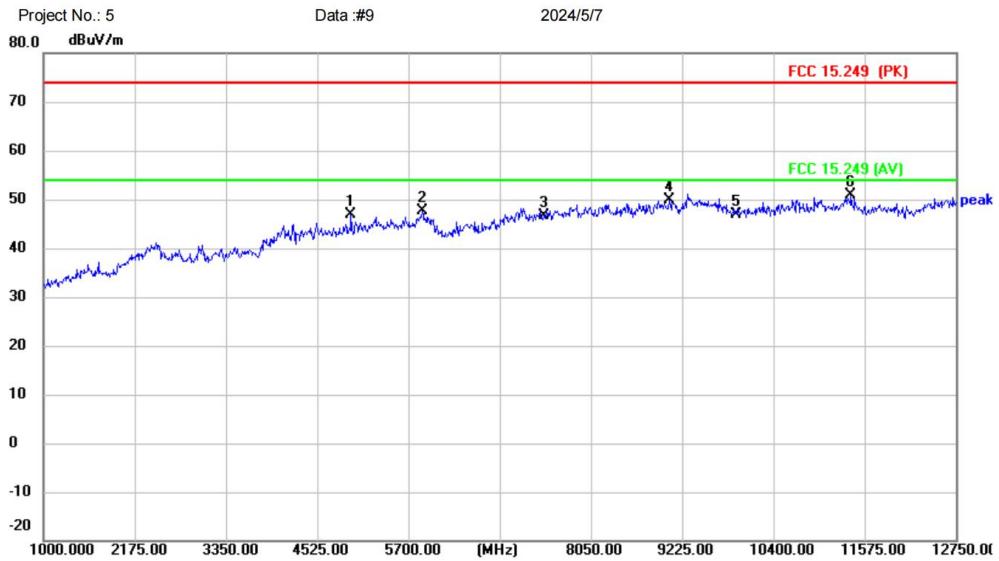


[Test mode: TX High channel]; [Polarity: Horizontal]

Radiated Emission Measurement

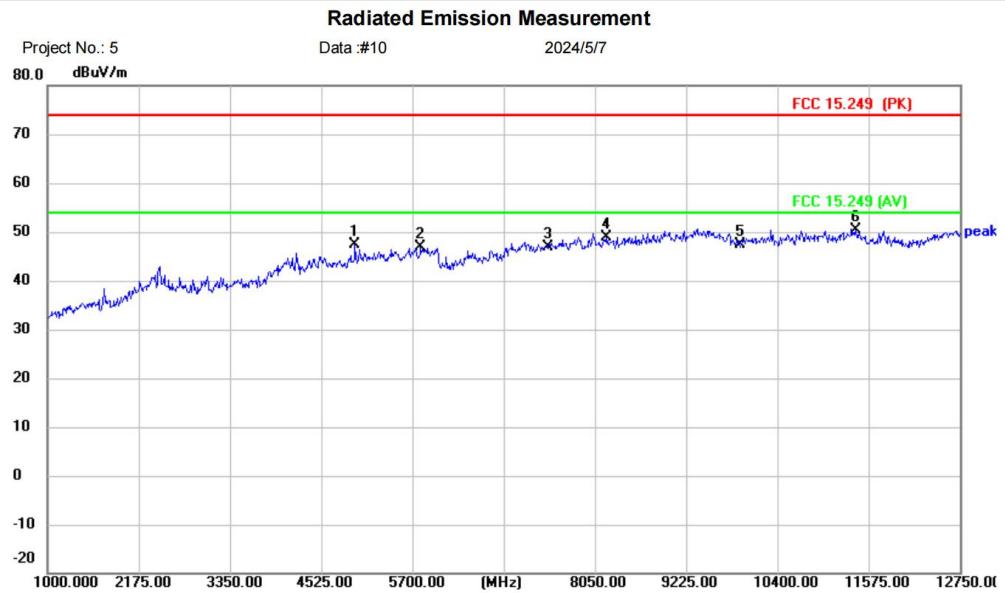


Site: FCC 15.249 (PK) Polarization: **Horizontal** Temperature: (C)
 Limit: FCC 15.249 (PK) Power: Humidity: %RH
 EUT: OBEX CONNECT
 M/N: OBEX CONNECT HEADSET
 Mode: TX-2480
 Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	4959.750	40.17	6.60	46.77	74.00	-27.23		peak	
2	5876.250	39.10	8.54	47.64	74.00	-26.36		peak	
3	7440.000	36.88	9.64	46.52	74.00	-27.48		peak	
4	9060.500	37.79	12.20	49.99	74.00	-24.01		peak	
5	9920.000	34.62	12.14	46.76	74.00	-27.24		peak	
6	*	11398.75	38.25	12.61	50.86	74.00	-23.14	peak	

Test Result: Pass

[Test mode: TX High channel]; [Polarity: Vertical]



Site	Polarization: Vertical	Temperature: (C)
Limit: FCC 15.249 (PK)	Power:	Humidity: %RH
EUT: OBEX CONNECT		
M/N: OBEX CONNECT HEADSET		
Mode: TX-2480		
Note:		

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit			Over
						MHz	dBuV	dB	
1	4959.750	40.90	6.60	47.50	74.00	-26.50		peak	
2	5805.750	38.82	7.99	46.81	74.00	-27.19		peak	
3	7440.000	37.33	9.64	46.97	74.00	-27.03		peak	
4	8202.750	39.00	9.86	48.86	74.00	-25.14		peak	
5	9920.000	35.30	12.14	47.44	74.00	-26.56		peak	
6	*	11410.50	37.67	12.61	50.28	74.00	-23.72		peak

Test Result: Pass

6.6 Restricted bands around fundamental frequency

Test Standard	47 CFR Part 15, Subpart C 15.249
Test Method	ANSI C63.10 (2013) Section 6.4&6.5&6.6
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX

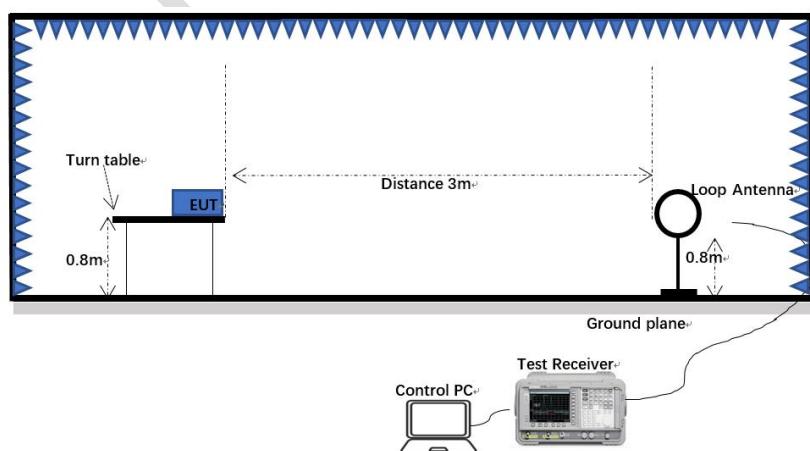
6.6.1 Limit

Frequency	Limit (dB _{UV} /m @3m)	Remark
30MHz-88MHz	40.0	Quasi-peak Value
88MHz-216MHz	43.5	Quasi-peak Value
216MHz-960MHz	46.0	Quasi-peak Value
960MHz-1GHz	54.0	Quasi-peak Value
Above 1GHz	54.0	Average Value
Above 1GHz	74.0	Peak Value

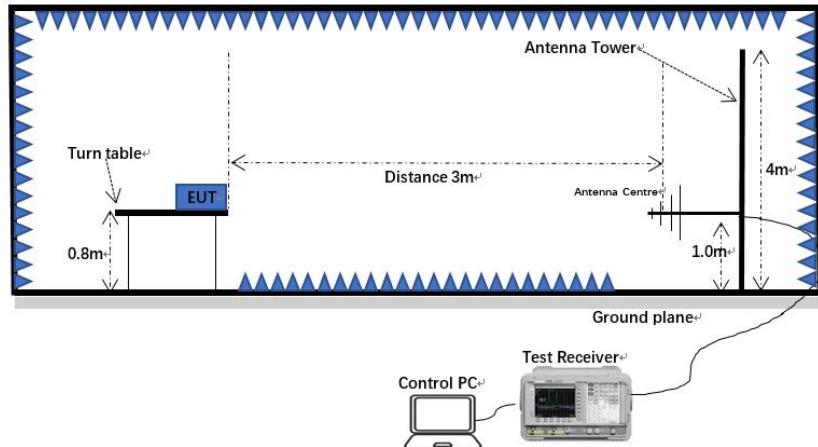
Emission radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

6.6.2 Test setup

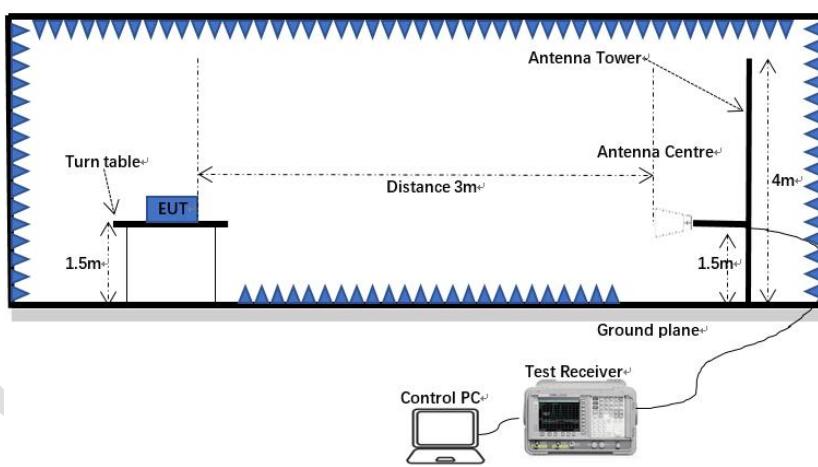
Below 1GHz:



30MHz-1GHz:



Above 1GHz:



6.6.3 Procedure

- For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was

tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

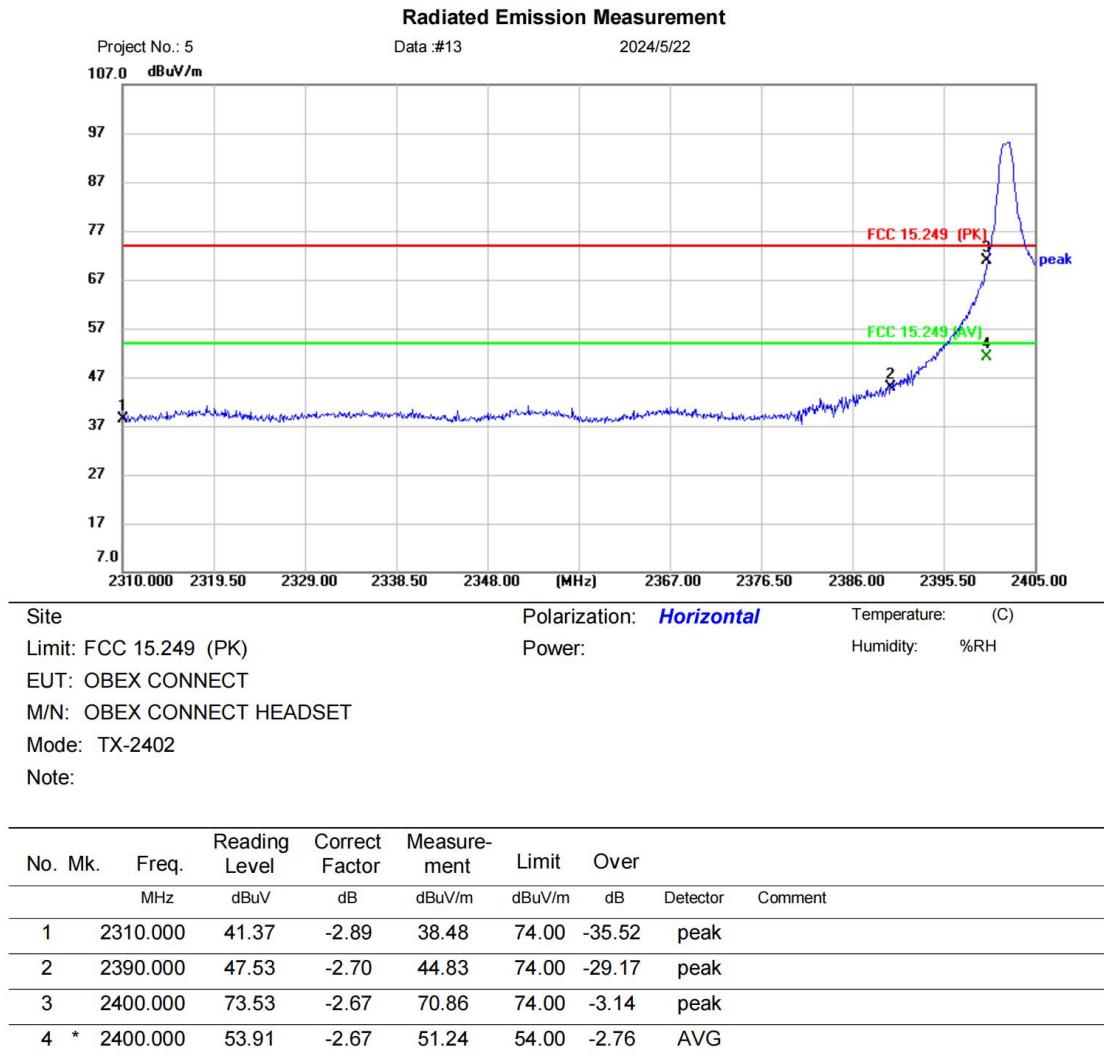
- f) The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g) If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h) Test the EUT in the lowest channel, the middle channel, the highest channel.
- i) The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j) Repeat above procedures until all frequencies measured was complete.

Note 1: Level (dB_{uV}) = Reading (dB_{uV}) + Factor (dB/m)

Note 2: For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

6.6.4 Test data

[Test mode: TX low channel]; [Polarity: Horizontal]



Test Result: Pass

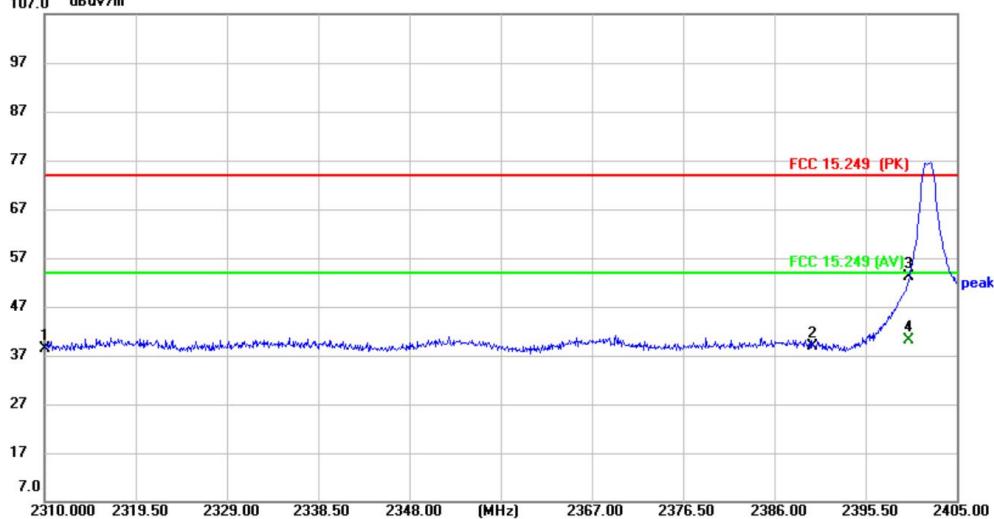
[**Test mode:TX low channel**]; [**Polarity: Vertical**]

Radiated Emission Measurement

Project No.: 5
107.0 dBuV/m

Data #:14

2024/5/22


Site: FCC 15.249 (PK) Polarization: **Vertical** Temperature: (C)

Limit: FCC 15.249 (PK) Power: Humidity: %RH

EUT: OBEX CONNECT

M/N: OBEX CONNECT HEADSET

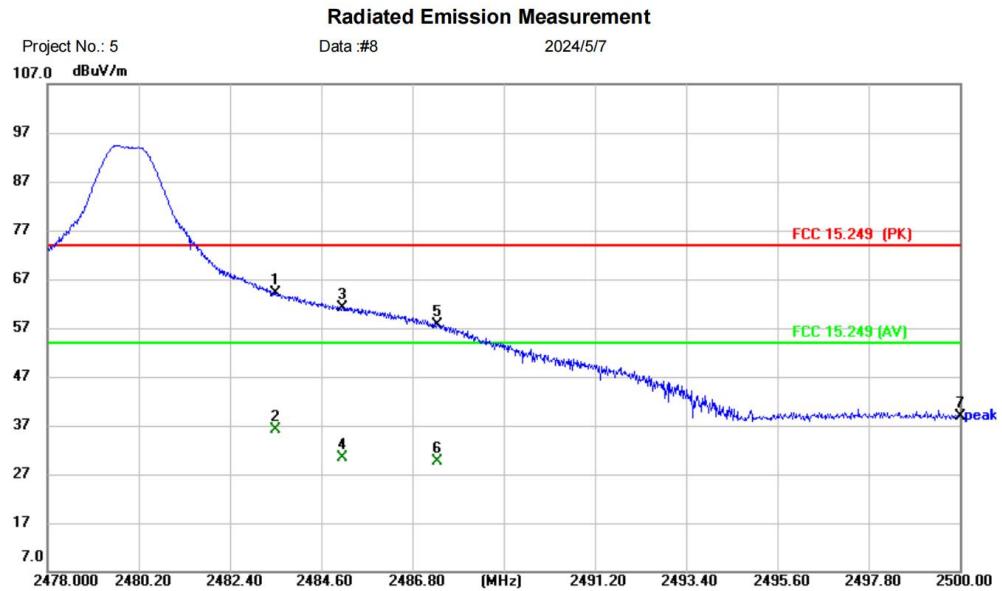
Mode: TX-2402

Note:

No.	Mk.	Freq. MHz	Reading Level	Correct Factor	Measure- ment	Limit	Over	Detector	Comment
			dBuV	dB	dBuV/m	dBuV/m	dB		
1		2310.000	41.18	-2.89	38.29	74.00	-35.71	peak	
2		2390.000	41.50	-2.70	38.80	74.00	-35.20	peak	
3		2400.000	55.84	-2.67	53.17	74.00	-20.83	peak	
4	*	2400.000	42.81	-2.67	40.14	54.00	-13.86	AVG	

Test Result: Pass

[Test mode: TX High channel]; [Polarity: Horizontal]



Site	Polarization: Horizontal	Temperature: (C)
Limit: FCC 15.249 (PK)	Power:	Humidity: %RH
EUT: OBEX CONNECT		
M/N: OBEX CONNECT HEADSET		
Mode: TX-2480		
Note:		

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2483.500	66.95	-2.91	64.04	74.00	-9.96	peak	
2		2483.500	39.10	-2.91	36.19	54.00	-17.81	AVG	
3		2485.106	64.13	-2.92	61.21	74.00	-12.79	peak	
4		2485.106	33.28	-2.92	30.36	54.00	-23.64	AVG	
5		2487.394	60.61	-2.93	57.68	74.00	-16.32	peak	
6		2487.394	32.54	-2.93	29.61	54.00	-24.39	AVG	
7		2500.000	41.93	-3.00	38.93	74.00	-35.07	peak	

Test Result: Pass

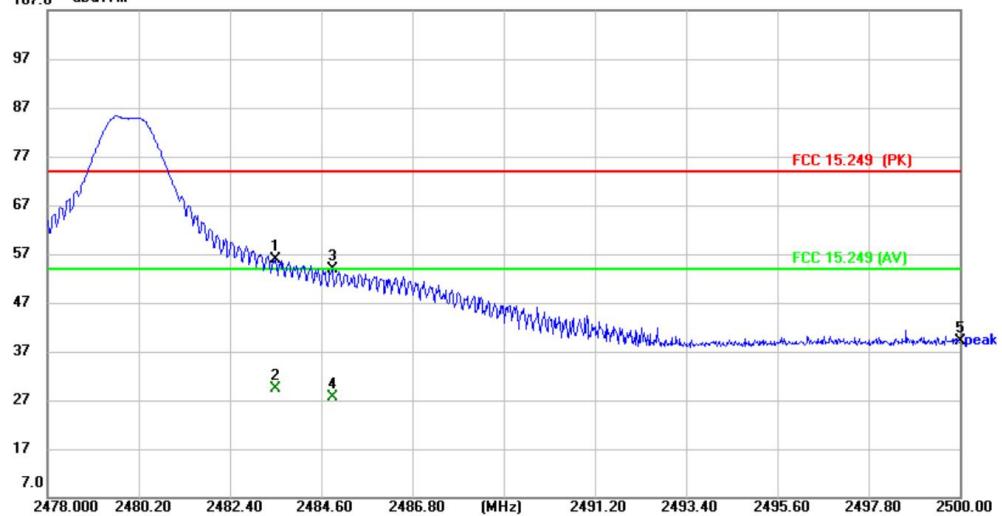
[Test mode:TX High channel]; [Polarity: Vertical]

Radiated Emission Measurement

Project No.: 5
107.0 dBuV/m

Data #: 7

2024/5/7



Site: **Vertical** Temperature: (C)
 Limit: FCC 15.249 (PK) Power: Humidity: %RH
 EUT: OBEX CONNECT
 M/N: OBEX CONNECT HEADSET
 Mode: TX-2480
 Note:

No.	Mk.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
		Freq.	Level	Factor				
		MHz	dBuV	dB	dBuV/m	dB		
1	*	2483.500	58.79	-2.91	55.88	74.00	-18.12	peak
2		2483.500	32.22	-2.91	29.31	54.00	-24.69	AVG
3		2484.864	56.70	-2.92	53.78	74.00	-20.22	peak
4		2484.864	30.64	-2.92	27.72	54.00	-26.28	AVG
5		2500.000	42.07	-3.00	39.07	74.00	-34.93	peak

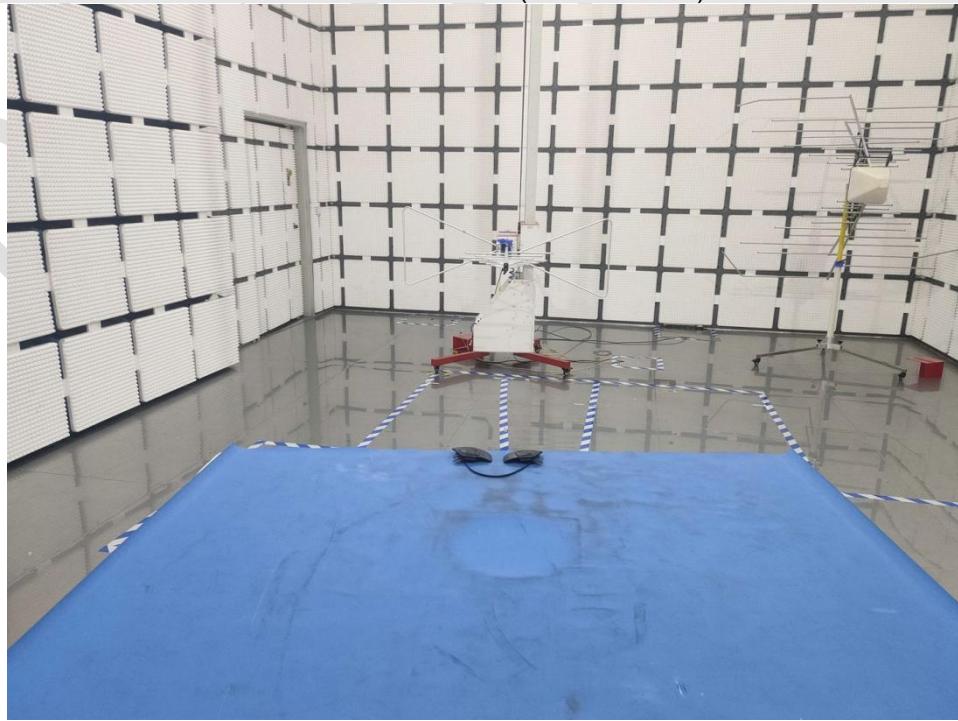
Test Result: Pass

7 Appendix A photographs of test setup

Conducted emissions at AC power line (150kHz-30MHz)



Radiated Emissions (30MHz-1GHz)





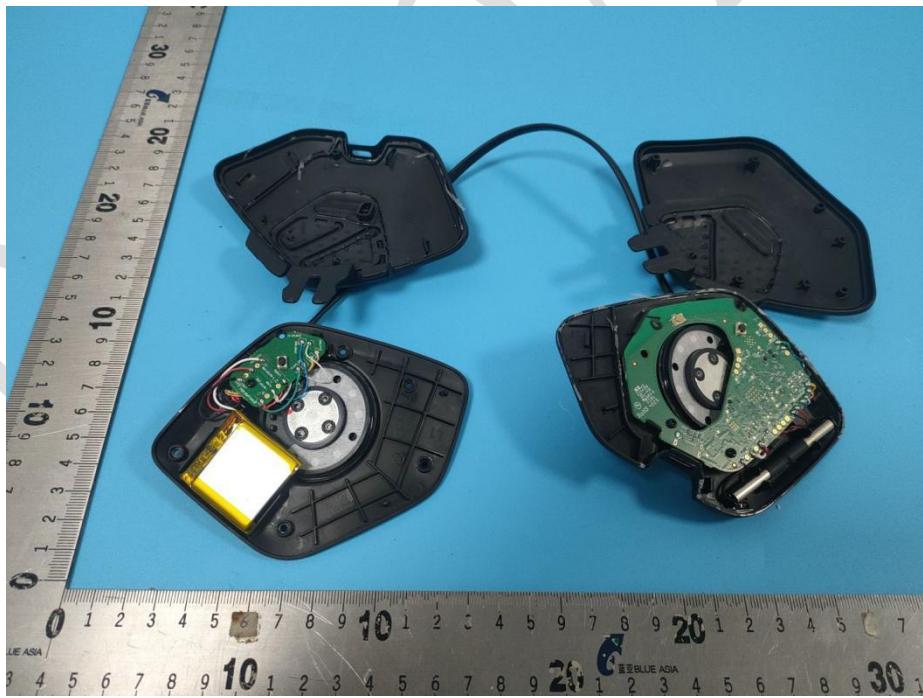
8 Appendix B: photographs of EUT

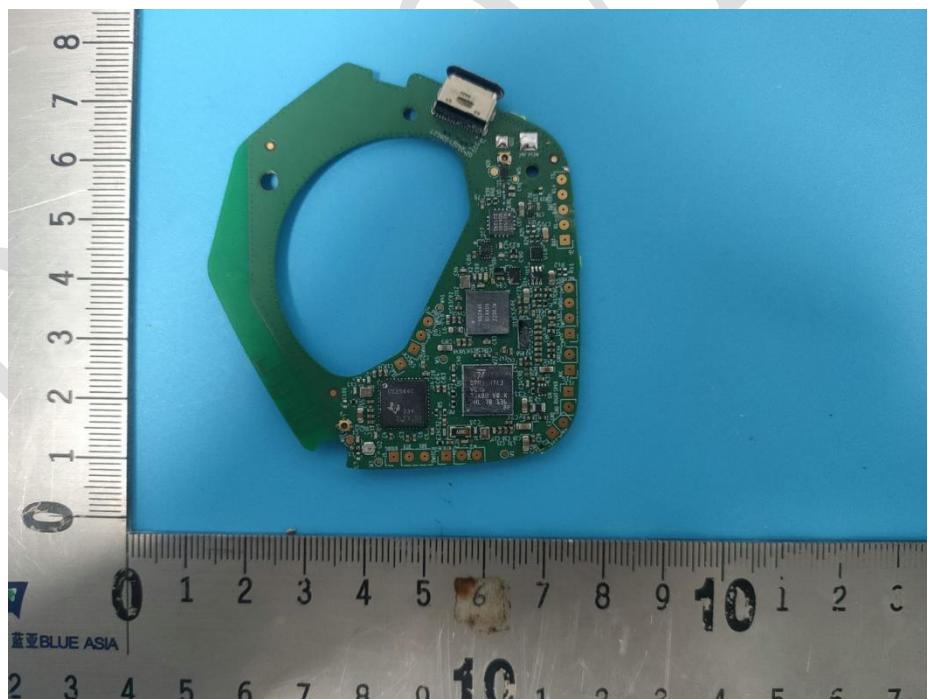
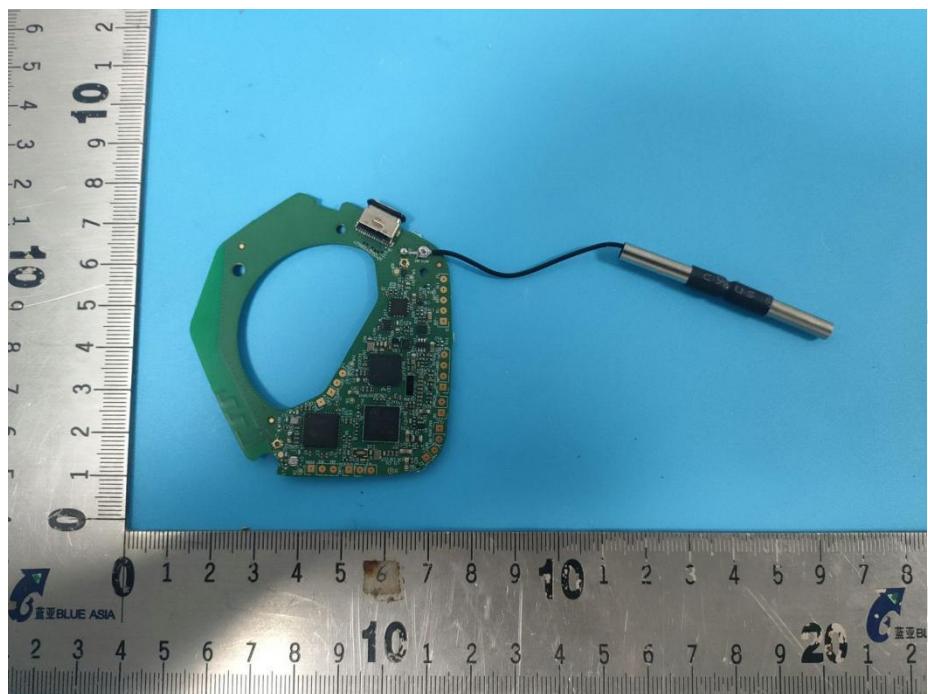


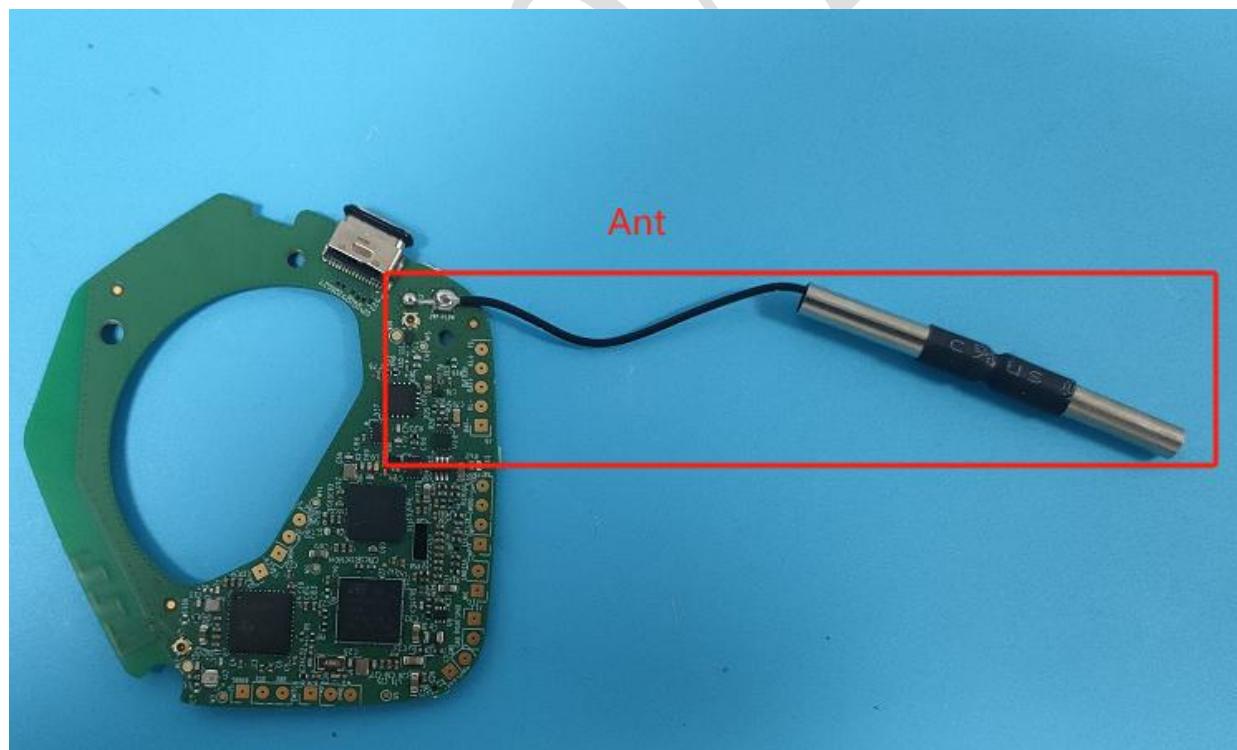


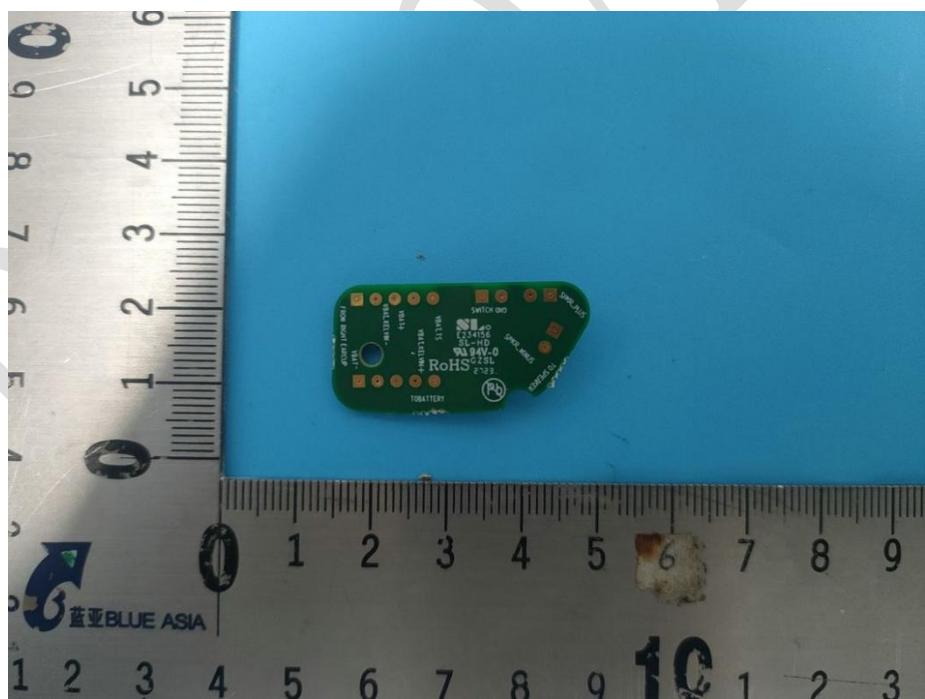
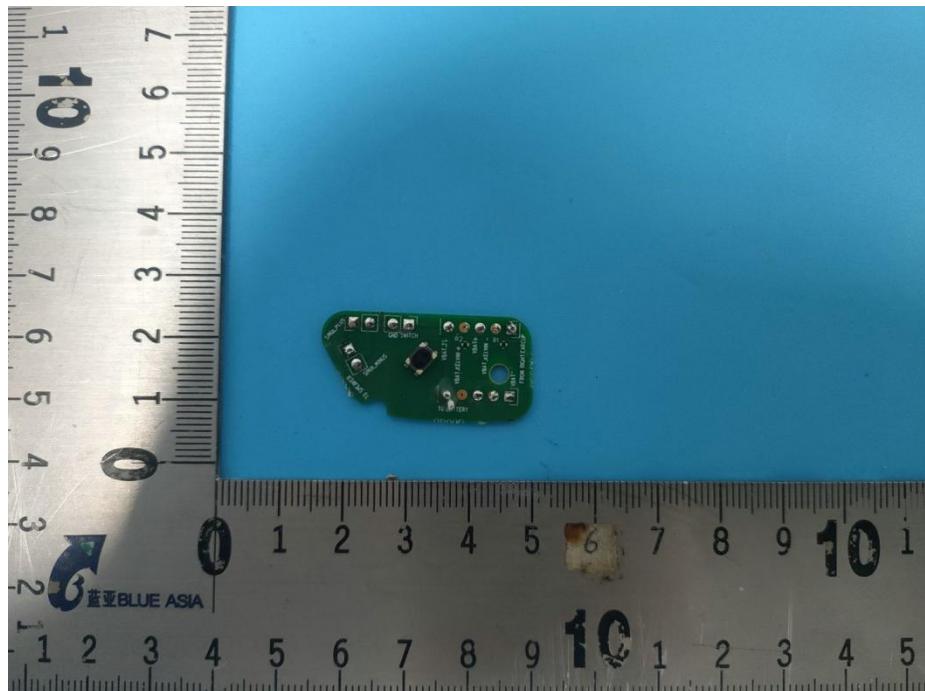


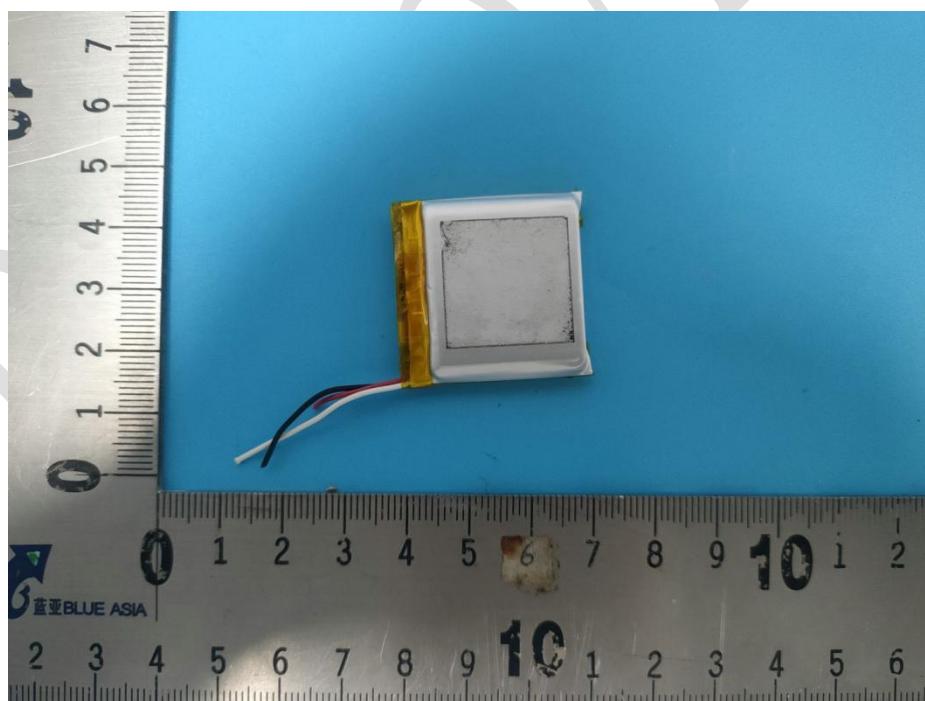
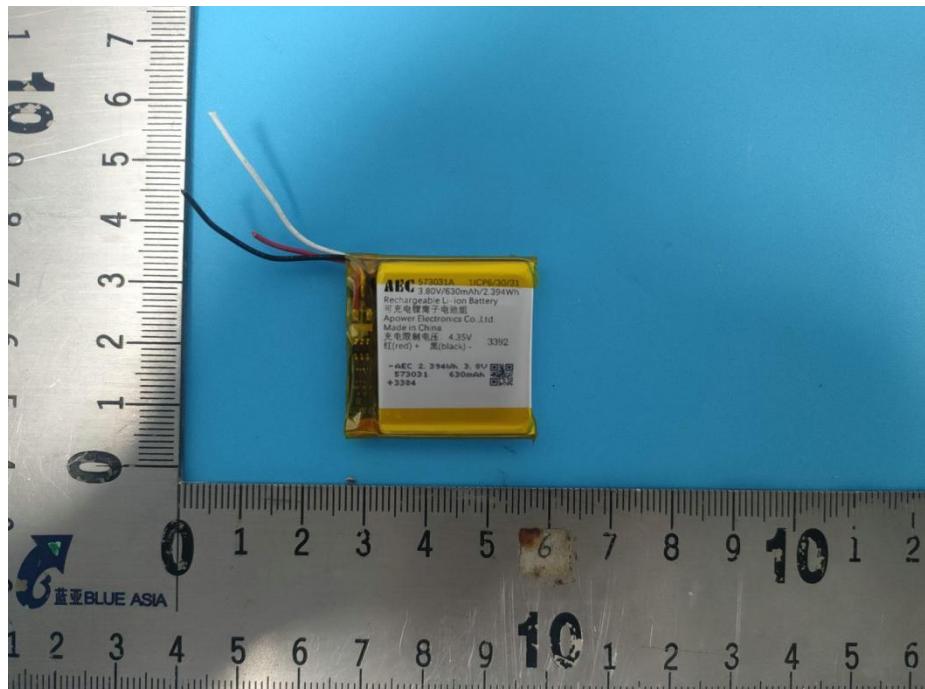












----END OF REPORT----

The test report is effective only with both signature and specialized stamp, the result(s) shown in this report refer only to the sample(s) tested. Without written approval of BlueAsia, this report can't be reproduced except in full.

BlueAsia