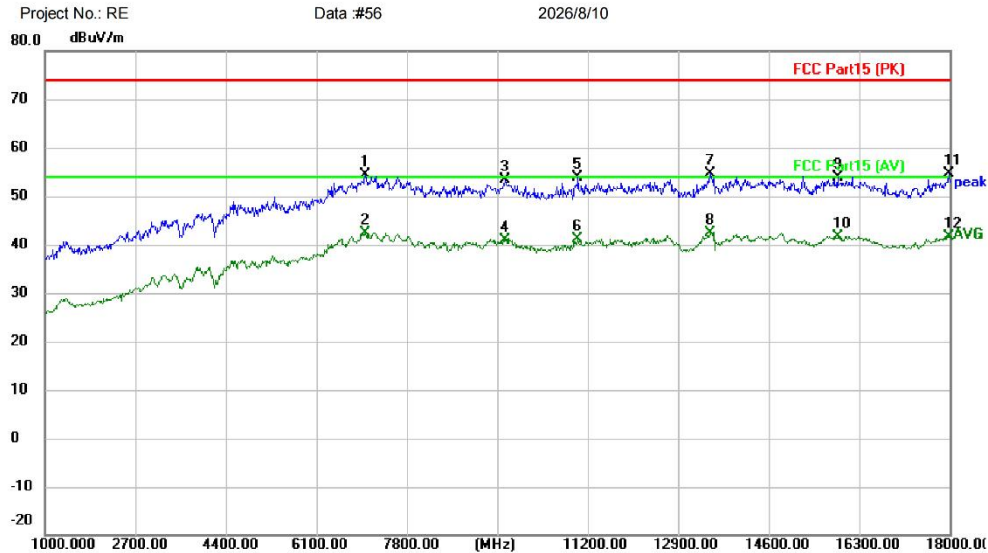


[Test mode: GFSK 2M TX low channel]; [Polarity: Vertical]

Radiated Emission Measurement



Site: Polarization: **Vertical** Temperature: (C)
Limit: FCC Part15 (PK) Power: Humidity: %RH
EUT: Wireless Headphone
M/N: T7
Mode: 2.4G-2404
Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		7018.000	47.72	6.61	54.33	74.00	-19.67	peak	
2		7018.000	35.67	6.61	42.28	54.00	-11.72	AVG	
3		9653.000	46.03	7.33	53.36	74.00	-20.64	peak	
4		9653.000	33.52	7.33	40.85	54.00	-13.15	AVG	
5		11013.00	45.65	8.23	53.88	74.00	-20.12	peak	
6		11013.00	32.98	8.23	41.21	54.00	-12.79	AVG	
7		13495.00	42.63	12.11	54.74	74.00	-19.26	peak	
8	*	13495.00	30.28	12.11	42.39	54.00	-11.61	AVG	
9		15892.00	45.69	8.21	53.90	74.00	-20.10	peak	
10		15892.00	33.31	8.21	41.52	54.00	-12.48	AVG	
11		17983.00	45.81	8.85	54.66	74.00	-19.34	peak	
12		17983.00	32.87	8.85	41.72	54.00	-12.28	AVG	

!:Maximum data x:Over limit !:over margin

<Reference Only

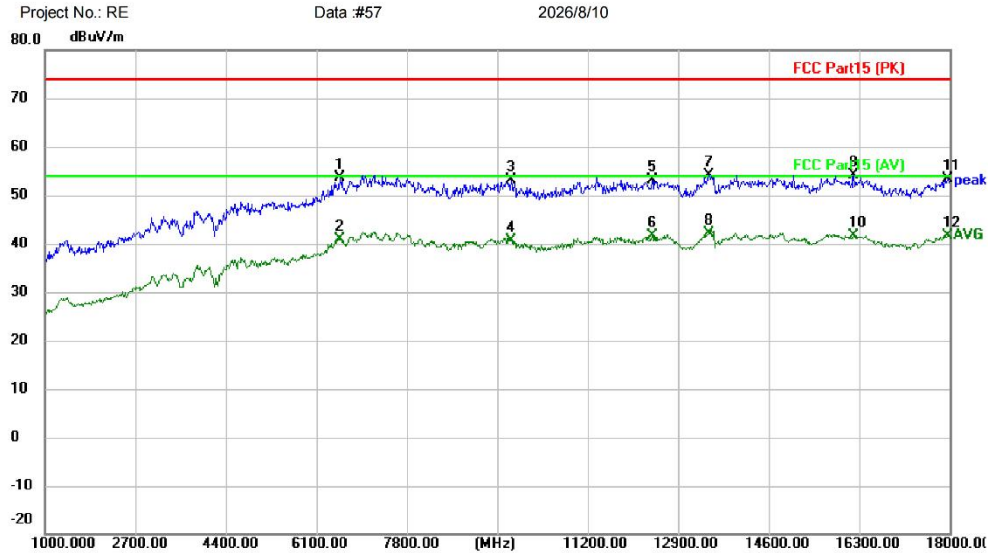
Receiver: ESR_1

Spectrum Analyzer: FSP40

Test Result: Pass

[Test mode: GFSK 2M TX middle channel]; [Polarity: Horizontal]

Radiated Emission Measurement



Site: Polarization: **Horizontal** Temperature: (C)
Limit: FCC Part15 (PK) Power: Humidity: %RH
EUT: Wireless Headphone
M/N: T7
Mode: 2.4G-2442
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		6542.000	48.09	5.50	53.59	74.00	-20.41	peak	
2		6542.000	35.45	5.50	40.95	54.00	-13.05	AVG	
3		9755.000	45.82	7.33	53.15	74.00	-20.85	peak	
4		9755.000	33.34	7.33	40.67	54.00	-13.33	AVG	
5		12407.00	44.25	8.96	53.21	74.00	-20.79	peak	
6		12407.00	32.58	8.96	41.54	54.00	-12.46	AVG	
7		13478.00	41.87	12.21	54.08	74.00	-19.92	peak	
8	*	13478.00	29.81	12.21	42.02	54.00	-11.98	AVG	
9		16198.00	45.58	8.60	54.18	74.00	-19.82	peak	
10		16198.00	32.94	8.60	41.54	54.00	-12.46	AVG	
11		17966.00	44.51	8.79	53.30	74.00	-20.70	peak	
12		17966.00	32.86	8.79	41.65	54.00	-12.35	AVG	

*:Maximum data x:Over limit !:over margin

⟨Reference Only

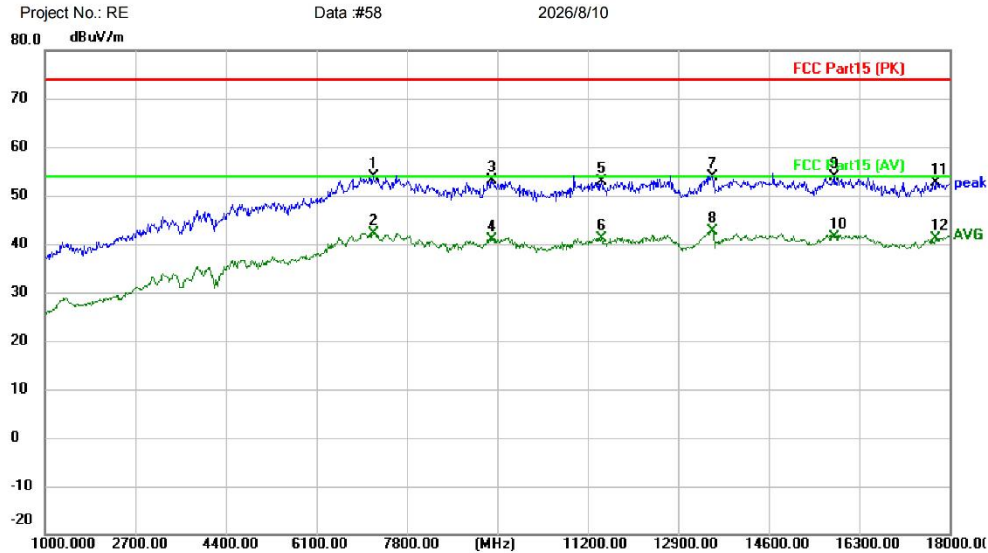
Receiver: ESR_1

Spectrum Analyzer: FSP40

Test Result: Pass

[Test mode: GFSK 2M TX middle channel]; [Polarity: Vertical]

Radiated Emission Measurement



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		7171.000	47.37	6.50	53.87	74.00	-20.13	peak	
2		7171.000	35.73	6.50	42.23	54.00	-11.77	AVG	
3		9398.000	46.16	6.92	53.08	74.00	-20.92	peak	
4		9398.000	34.04	6.92	40.96	54.00	-13.04	AVG	
5		11455.00	44.78	8.06	52.84	74.00	-21.16	peak	
6		11455.00	33.15	8.06	41.21	54.00	-12.79	AVG	
7		13546.00	42.14	11.75	53.89	74.00	-20.11	peak	
8	*	13546.00	30.76	11.75	42.51	54.00	-11.49	AVG	
9		15841.00	45.81	8.12	53.93	74.00	-20.07	peak	
10		15841.00	33.37	8.12	41.49	54.00	-12.51	AVG	
11		17745.00	44.65	8.08	52.73	74.00	-21.27	peak	
12		17745.00	33.05	8.08	41.13	54.00	-12.87	AVG	

*:Maximum data x:Over limit !:over margin

⟨Reference Only

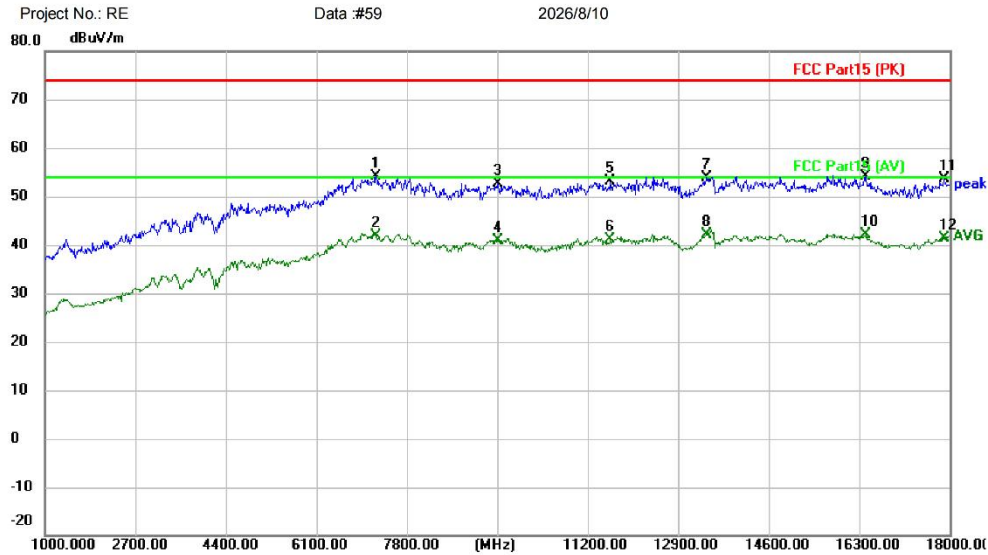
Receiver: ESR_1

Spectrum Analyzer: FSP40

Test Result: Pass

[Test mode: GFSK 2M TX high channel]; [Polarity: Horizontal]

Radiated Emission Measurement



Site: Polarization: **Horizontal** Temperature: (C)
Limit: FCC Part15 (PK) Power: Humidity: %RH
EUT: Wireless Headphone
M/N: T7
Mode: 2.4G-2478
Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB	dBuV/m	dBuV/m	dB		
1		7222.000	47.55	6.46	54.01	74.00	-19.99	peak	
2		7222.000	35.40	6.46	41.86	54.00	-12.14	AVG	
3		9517.000	45.80	6.92	52.72	74.00	-21.28	peak	
4		9517.000	33.88	6.92	40.80	54.00	-13.20	AVG	
5		11625.00	45.02	8.20	53.22	74.00	-20.78	peak	
6		11625.00	33.04	8.20	41.24	54.00	-12.76	AVG	
7		13427.00	41.37	12.52	53.89	74.00	-20.11	peak	
8	*	13427.00	29.54	12.52	42.06	54.00	-11.94	AVG	
9		16419.00	46.07	8.02	54.09	74.00	-19.91	peak	
10		16419.00	34.00	8.02	42.02	54.00	-11.98	AVG	
11		17898.00	44.95	8.57	53.52	74.00	-20.48	peak	
12		17898.00	32.89	8.57	41.46	54.00	-12.54	AVG	

*:Maximum data x:Over limit !:over margin

<Reference Only

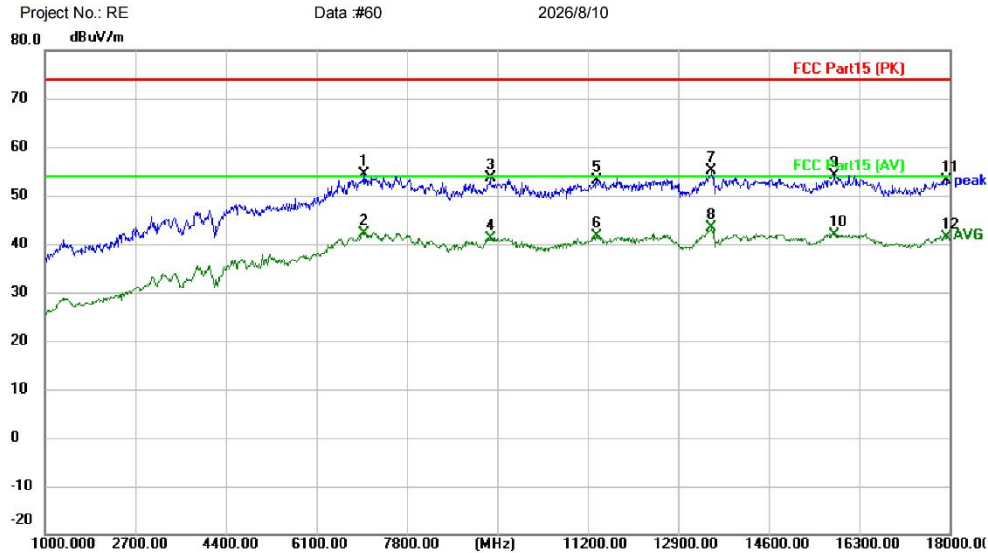
Receiver: ESR_1

Spectrum Analyzer: FSP40

Test Result: Pass

[Test mode: GFSK 2M TX high channel]; [Polarity: Vertical]

Radiated Emission Measurement



Site
Limit: FCC Part15 (PK)
EUT: Wireless Headphone
M/N: T7
Mode: 2.4G-2478
Note:

Polarization: **Vertical**
Power:

Temperature: (C)
Humidity: %RH

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		7001.000	47.75	6.63	54.38	74.00	-19.62	peak	
2		7001.000	35.52	6.63	42.15	54.00	-11.85	AVG	
3		9364.000	46.68	6.84	53.52	74.00	-20.48	peak	
4		9364.000	34.29	6.84	41.13	54.00	-12.87	AVG	
5		11370.00	45.13	8.08	53.21	74.00	-20.79	peak	
6		11370.00	33.50	8.08	41.58	54.00	-12.42	AVG	
7		13529.00	43.36	11.87	55.23	74.00	-18.77	peak	
8	*	13529.00	31.59	11.87	43.46	54.00	-10.54	AVG	
9		15841.00	46.12	8.12	54.24	74.00	-19.76	peak	
10		15841.00	33.67	8.12	41.79	54.00	-12.21	AVG	
11		17949.00	44.34	8.75	53.09	74.00	-20.91	peak	
12		17949.00	32.56	8.75	41.31	54.00	-12.69	AVG	

*:Maximum data x:Over limit !:over margin

<Reference Only

Receiver: ESR_1

Spectrum Analyzer: FSP40

Test Result: Pass

6.6 Restricted bands around fundamental frequency

Test Standard	47 CFR Part 15, Subpart C 15.205 & 209
Test Method	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024 Section 6.4&6.5&6.6
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX

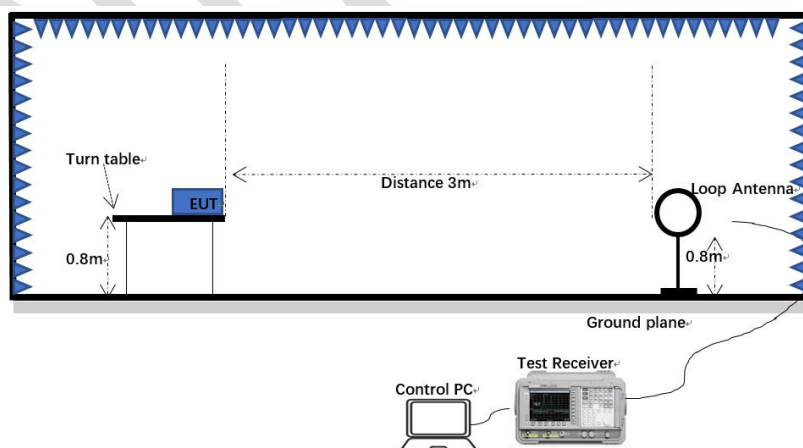
6.6.1 Limit

Frequency	Limit (dBuV/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

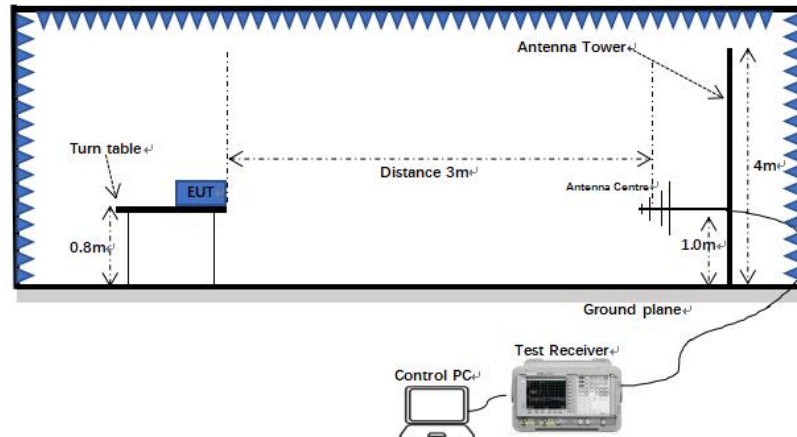
Emission radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

6.6.2 Test setup

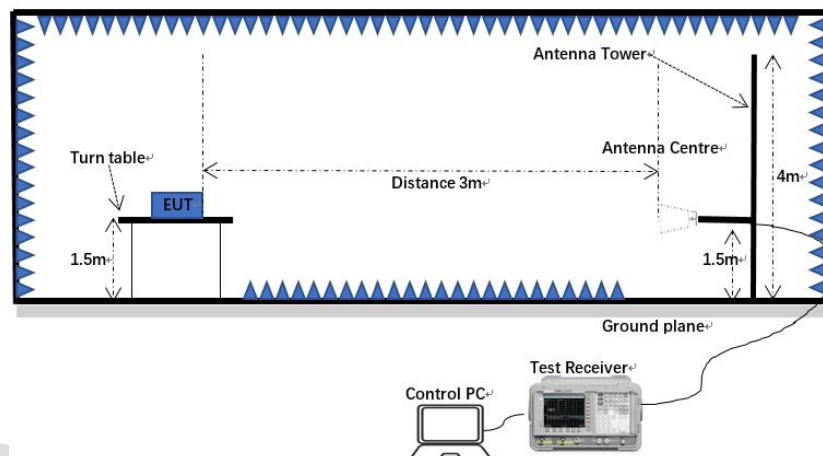
Below 1GHz:



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.

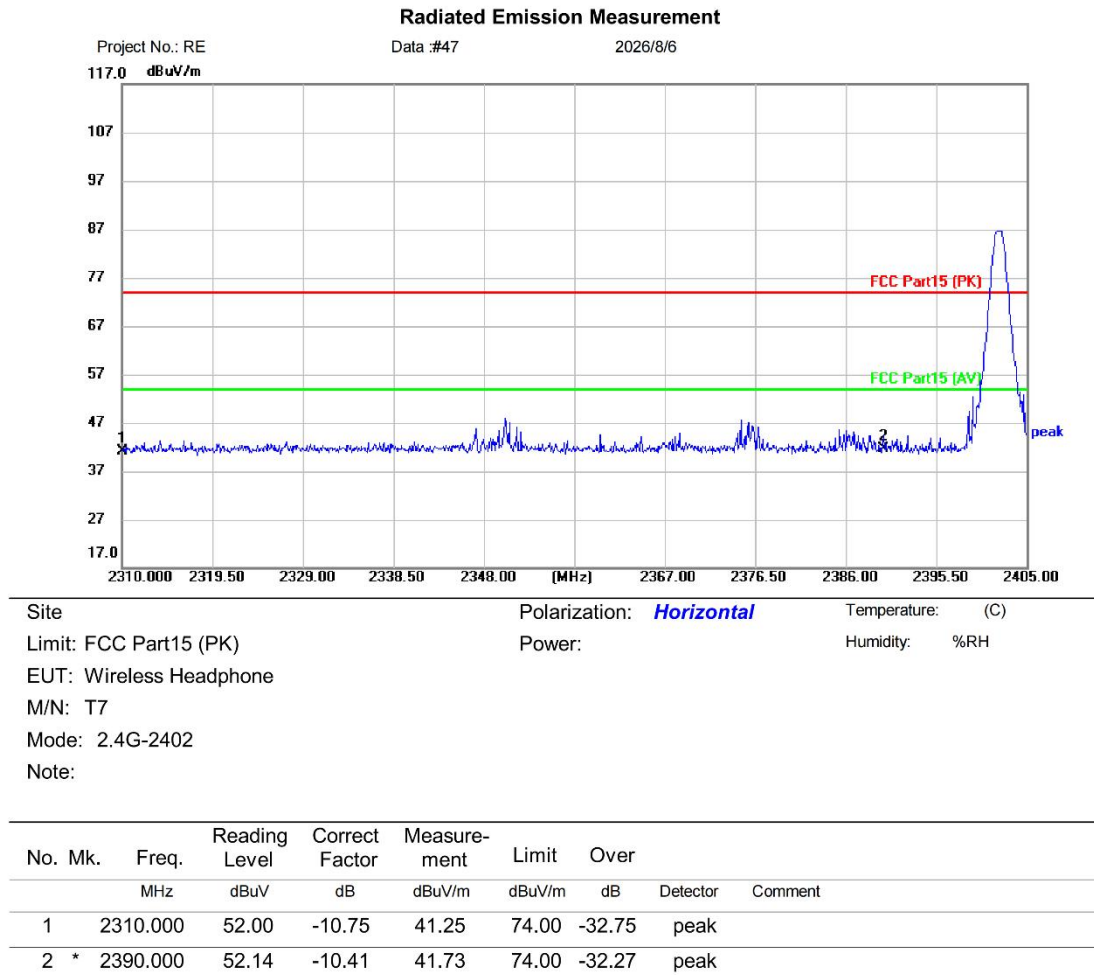
- f) The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g) If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions 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: $\text{Level (dBuV)} = \text{Reading (dBuV)} + \text{Factor (dB/m)}$

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: GFSK 1M TX low channel]; [Polarity: Horizontal]



*:Maximum data x:Over limit !:over margin

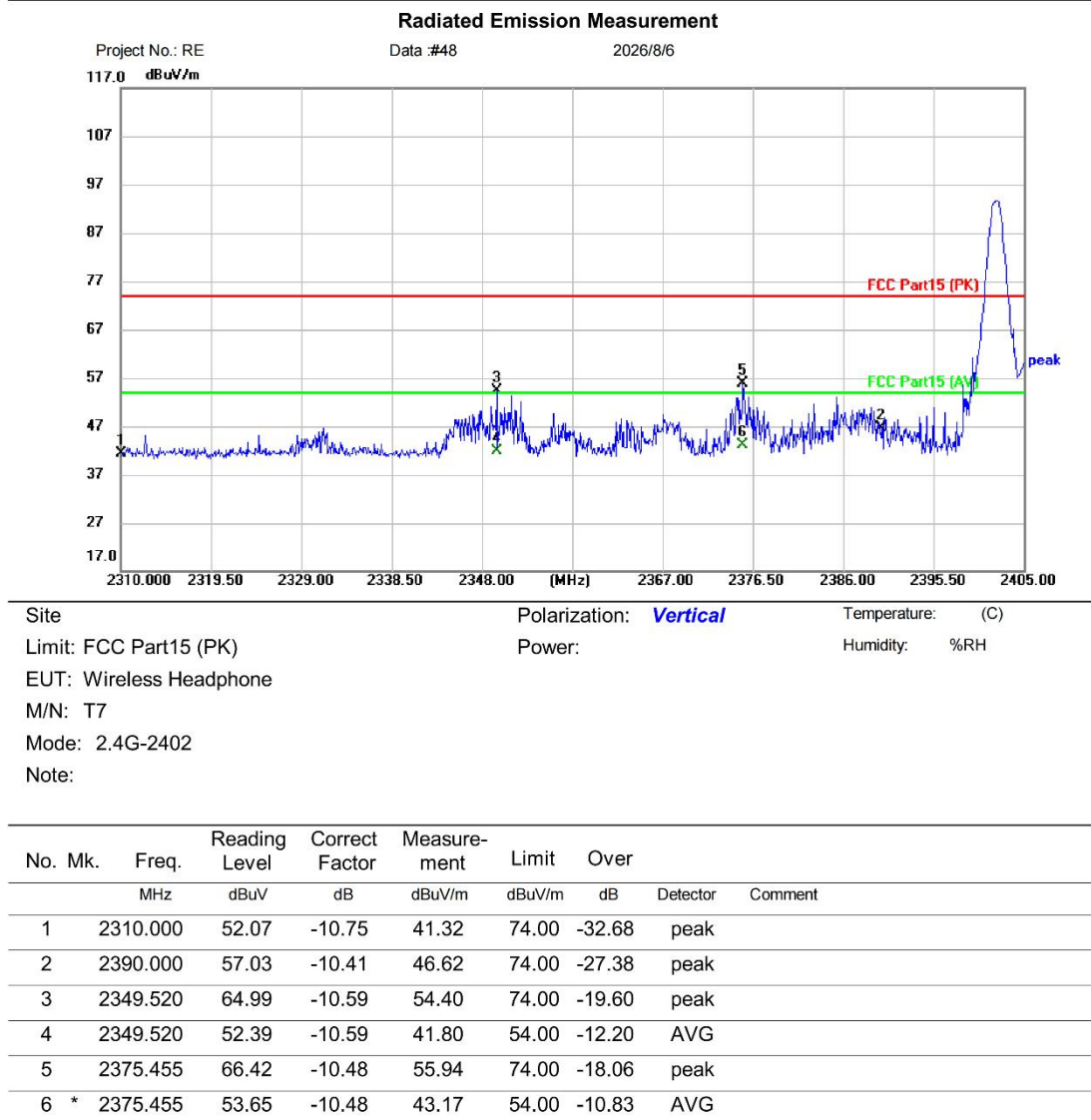
(Reference Only)

Receiver: ESR_1

Spectrum Analyzer: FSP40

Test Result: Pass

[Test mode: GFSK 1M TX low channel]; [Polarity: Vertical]



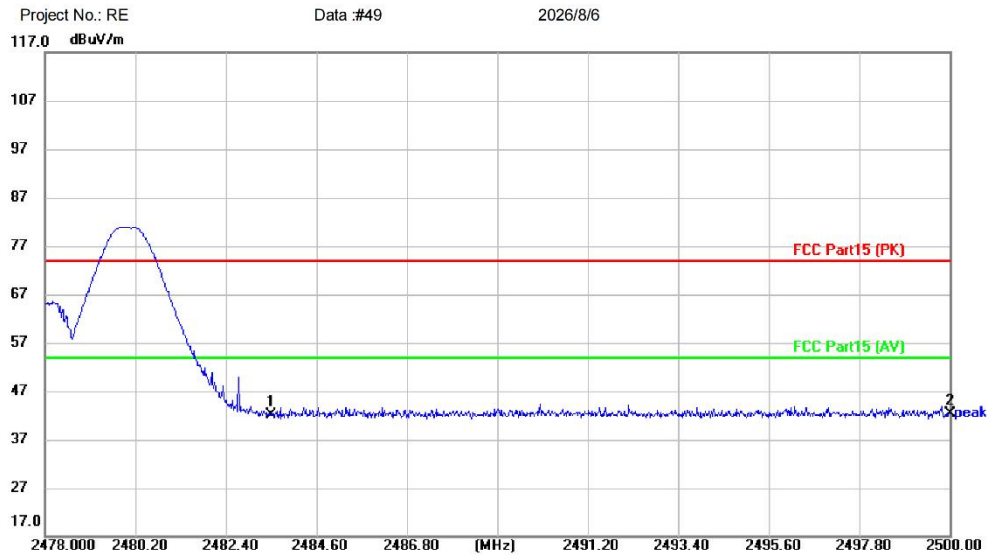
*:Maximum data x:Over limit !:over margin <Reference Only

Receiver: ESR_1 Spectrum Analyzer: FSP40

Test Result: Pass

[Test mode: GFSK 1M TX high channel]; [Polarity: Horizontal]

Radiated Emission Measurement



Site: Polarization: **Horizontal** Temperature: (C)
Limit: FCC Part15 (PK) Power: Humidity: %RH
EUT: Wireless Headphone
M/N: T7
Mode: 2.4G-2480
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		2483.500	52.15	-9.91	42.24	74.00	-31.76	peak	
2	*	2500.000	52.27	-9.81	42.46	74.00	-31.54	peak	

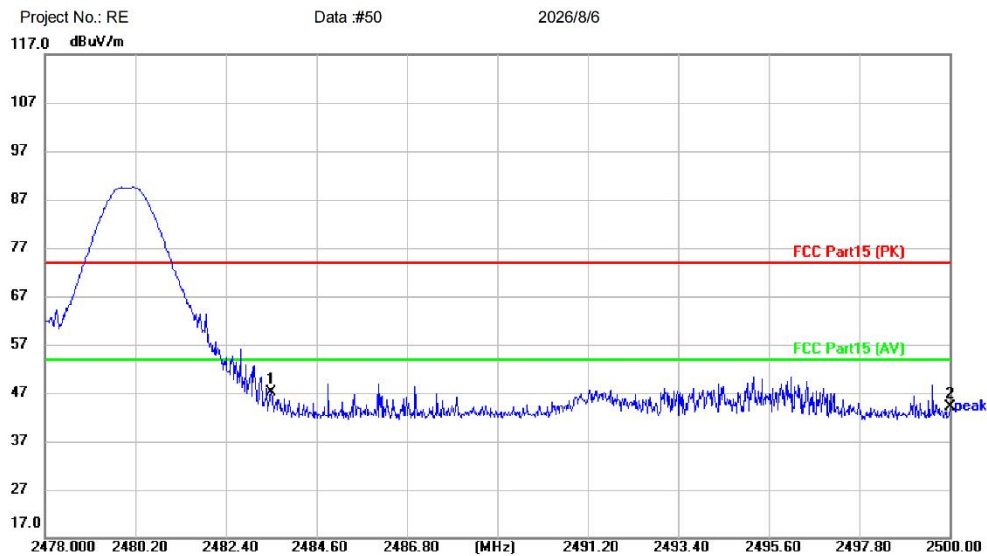
*:Maximum data x:Over limit !:over margin <Reference Only

Receiver: ESR_1 Spectrum Analyzer: FSP40

Test Result: Pass

[Test mode: GFSK 1M TX high channel]; [Polarity: Vertical]

Radiated Emission Measurement



Site
Limit: FCC Part15 (PK)
EUT: Wireless Headphone
M/N: T7
Mode: 2.4G-2480
Note:

Polarization: **Vertical**
Power:

Temperature: (C)
Humidity: %RH

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	2483.500	57.14	-9.91	47.23	74.00	-26.77	peak	
2		2500.000	53.95	-9.81	44.14	74.00	-29.86	peak	

*:Maximum data x:Over limit !:over margin

⟨Reference Only

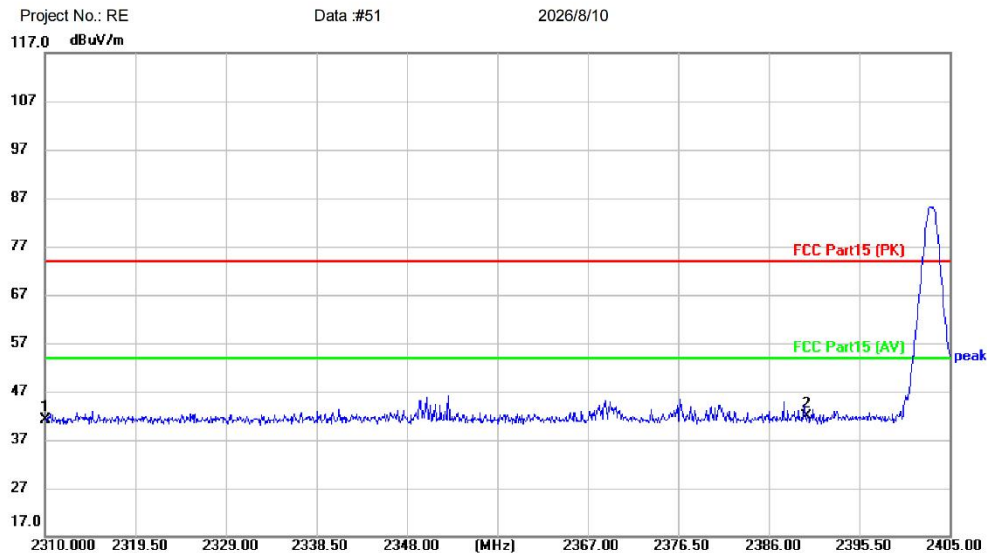
Receiver: ESR_1

Spectrum Analyzer: FSP40

Test Result: Pass

[Test mode: GFSK 2M TX low channel]; [Polarity: Horizontal]

Radiated Emission Measurement



Site
Limit: FCC Part15 (PK)
EUT: Wireless Headphone
M/N: T7
Mode: 2.4G-2404
Note:

Polarization: **Horizontal**

Temperature: (C)

Power:

Humidity: %RH

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2310.000	51.96	-10.75	41.21	74.00	-32.79	peak	
2	*	2390.000	52.24	-10.41	41.83	74.00	-32.17	peak	

*:Maximum data x:Over limit !:over margin

(Reference Only)

Receiver: ESR_1

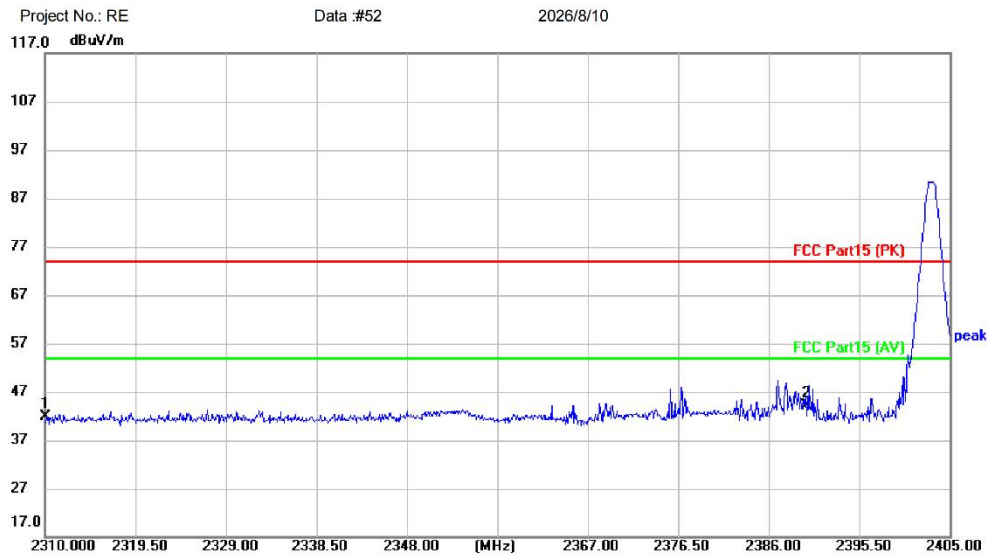
Spectrum Analyzer:

FSP40

Test Result: Pass

[Test mode: GFSK 2M TX low channel]; [Polarity: Vertical]

Radiated Emission Measurement



Site Polarization: **Vertical** Temperature: (C)
Limit: FCC Part15 (PK) Power: Humidity: %RH
EUT: Wireless Headphone
M/N: T7
Mode: 2.4G-2404
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2310.000	52.64	-10.75	41.89	74.00	-32.11	peak	
2	*	2390.000	54.50	-10.41	44.09	74.00	-29.91	peak	

*:Maximum data x:Over limit !:over margin

⟨Reference Only

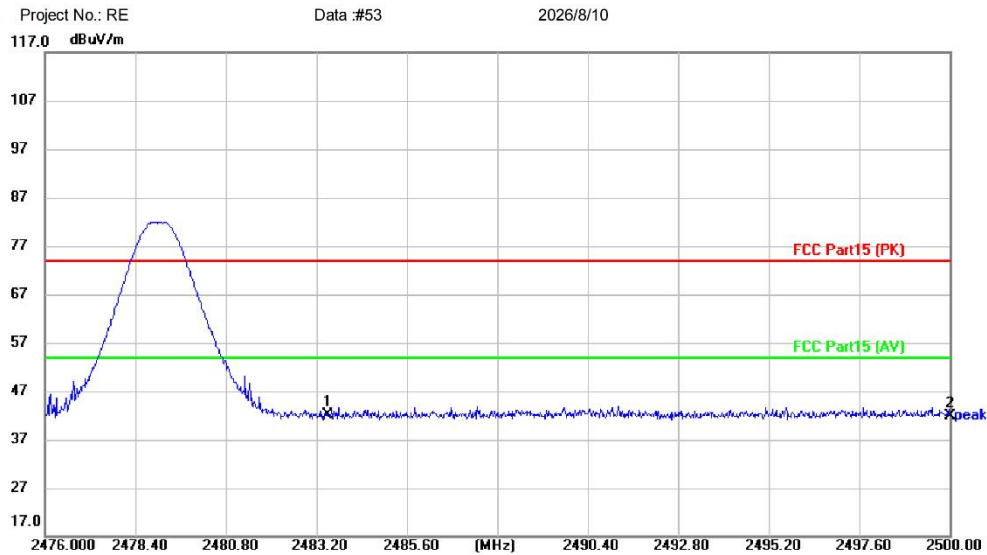
Receiver: ESR_1

Spectrum Analyzer: FSP40

Test Result: Pass

[Test mode: GFSK 2M TX high channel]; [Polarity: Horizontal]

Radiated Emission Measurement



Site Polarization: **Horizontal** Temperature: (C)
Limit: FCC Part15 (PK) Power: Humidity: %RH
EUT: Wireless Headphone
M/N: T7
Mode: 2.4G-2478
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	2483.500	52.00	-9.91	42.09	74.00	-31.91	peak	
2		2500.000	51.74	-9.81	41.93	74.00	-32.07	peak	

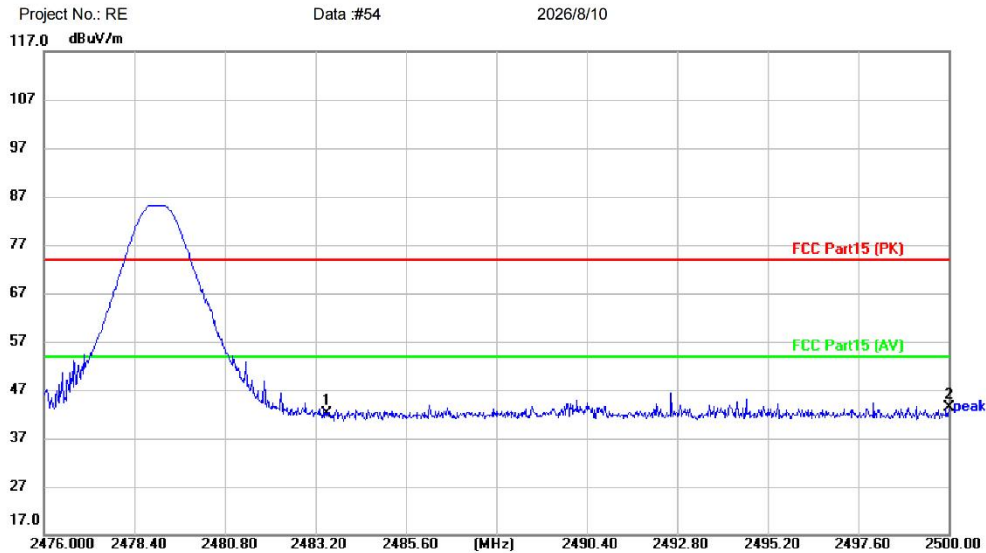
*:Maximum data x:Over limit !:over margin <Reference Only

Receiver: ESR_1 Spectrum Analyzer: FSP40

Test Result: Pass

[Test mode: GFSK 2M TX high channel]; [Polarity: Vertical]

Radiated Emission Measurement



Site
Limit: FCC Part15 (PK)
EUT: Wireless Headphone
M/N: T7
Mode: 2.4G-2478
Note:

Polarization: **Vertical** Temperature: (C)
Power: Humidity: %RH

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		2483.500	52.07	-9.91	42.16	74.00	-31.84	peak	
2	*	2500.000	53.20	-9.81	43.39	74.00	-30.61	peak	

*:Maximum data x:Over limit !:over margin

⟨Reference Only

Receiver: ESR_1

Spectrum Analyzer: FSP40

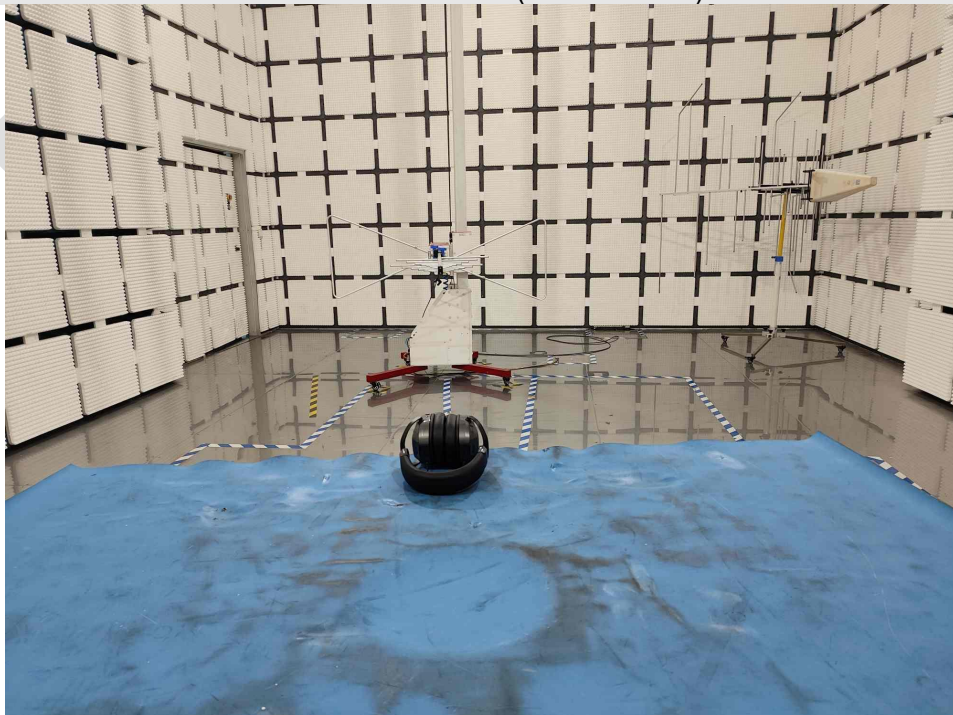
Test Result: Pass

Appendix A photographs of test setup

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



Radiated Emissions (30MHz-1GHz)



Radiated Emissions (above 1GHz)



Appendix B: photographs of EUT

Reference to the test report no. BLA-EMC-202607-A15-01

----END OF REPORT----

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