Conducted Emission Method

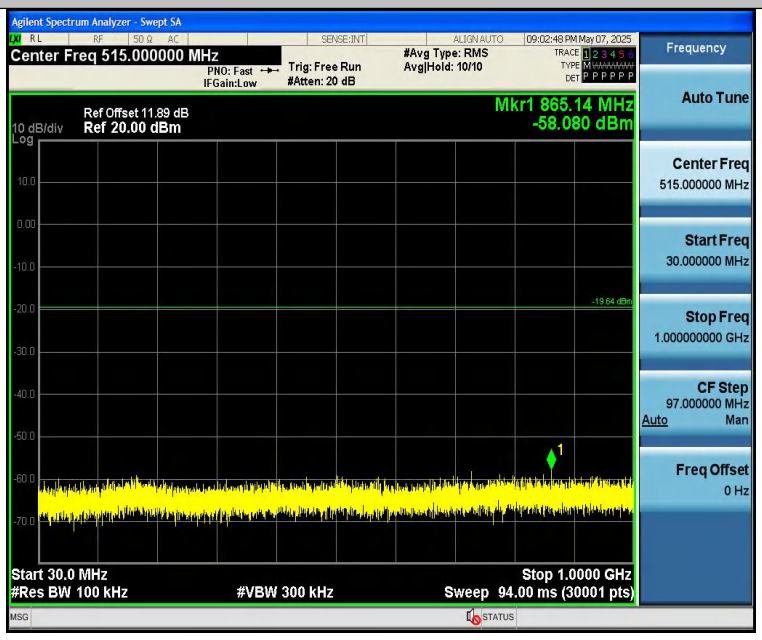
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	0.36	0.36	---	PASS
DH5	Ant1	2402	30~1000	0.36	-58.08	≤-19.64	PASS
DH5	Ant1	2402	1000~26500	0.36	-30.98	≤-19.64	PASS
DH5	Ant1	2441	0~Reference	0.18	0.18	---	PASS
DH5	Ant1	2441	30~1000	0.18	-57.88	≤-19.82	PASS
DH5	Ant1	2441	1000~26500	0.18	-32.48	≤-19.82	PASS
DH5	Ant1	2480	0~Reference	-0.23	-0.23	---	PASS
DH5	Ant1	2480	30~1000	-0.23	-58.22	≤-20.23	PASS
DH5	Ant1	2480	1000~26500	-0.23	-31.29	≤-20.23	PASS
2DH5	Ant1	2402	0~Reference	0.23	0.23	---	PASS
2DH5	Ant1	2402	30~1000	0.23	-58.02	≤-19.77	PASS
2DH5	Ant1	2402	1000~26500	0.23	-30.02	≤-19.77	PASS
2DH5	Ant1	2441	0~Reference	-2.70	-2.70	---	PASS
2DH5	Ant1	2441	30~1000	-2.70	-58.45	≤-22.7	PASS
2DH5	Ant1	2441	1000~26500	-2.70	-33.35	≤-22.7	PASS
2DH5	Ant1	2480	0~Reference	-0.80	-0.80	---	PASS
2DH5	Ant1	2480	30~1000	-0.80	-57.87	≤-20.8	PASS
2DH5	Ant1	2480	1000~26500	-0.80	-33.53	≤-20.8	PASS
3DH5	Ant1	2402	0~Reference	-0.21	-0.21	---	PASS
3DH5	Ant1	2402	30~1000	-0.21	-57.69	≤-20.21	PASS
3DH5	Ant1	2402	1000~26500	-0.21	-36.47	≤-20.21	PASS
3DH5	Ant1	2441	0~Reference	-0.23	-0.23	---	PASS
3DH5	Ant1	2441	30~1000	-0.23	-57.6	≤-20.23	PASS
3DH5	Ant1	2441	1000~26500	-0.23	-33.43	≤-20.23	PASS
3DH5	Ant1	2480	0~Reference	-0.78	-0.78	---	PASS
3DH5	Ant1	2480	30~1000	-0.78	-57.72	≤-20.78	PASS
3DH5	Ant1	2480	1000~26500	-0.78	-35.11	≤-20.78	PASS

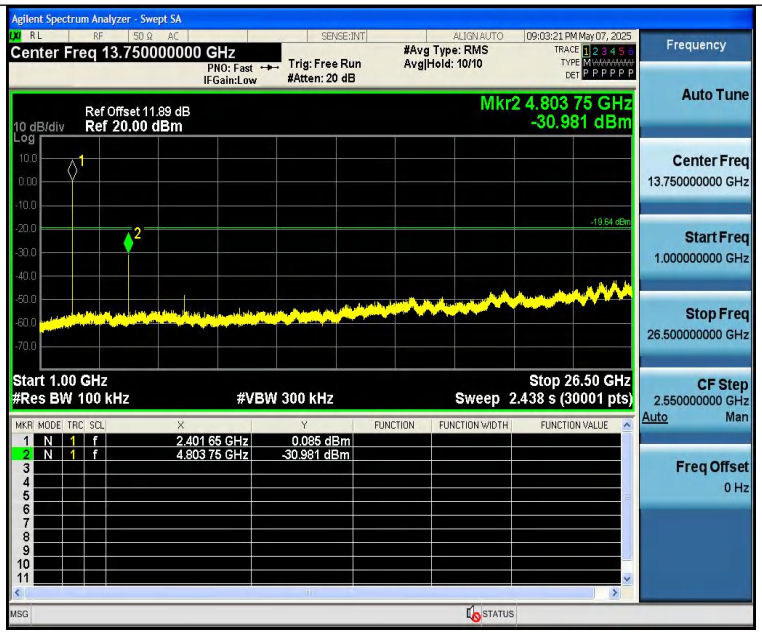
Test Graphs:

DH5-Ant1-2402-0~Reference-PASS

DH5-Ant1-2402-30~1000-PASS

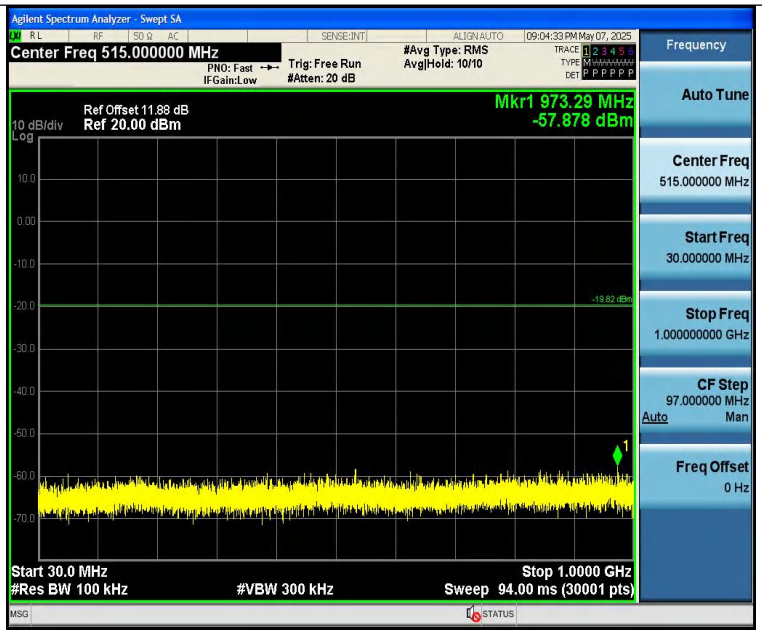


DH5-Ant1-2402-1000~26500-PASS

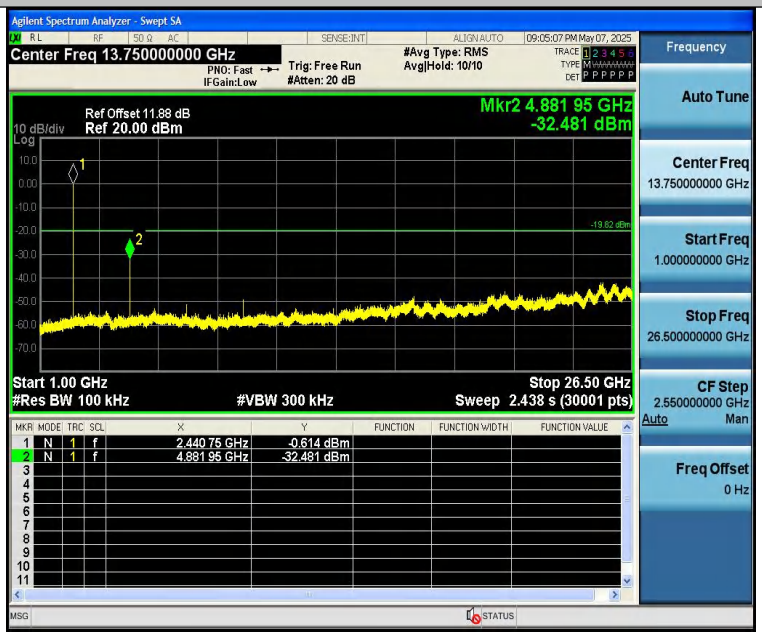


DH5-Ant1-2441-0~Reference-PASS

DH5-Ant1-2441-30~1000-PASS

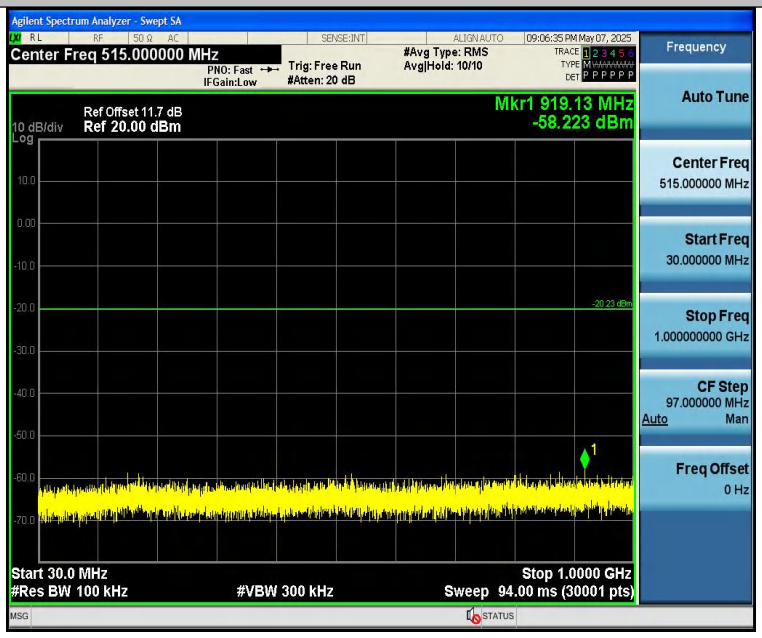


DH5-Ant1-2441-1000~26500-PASS

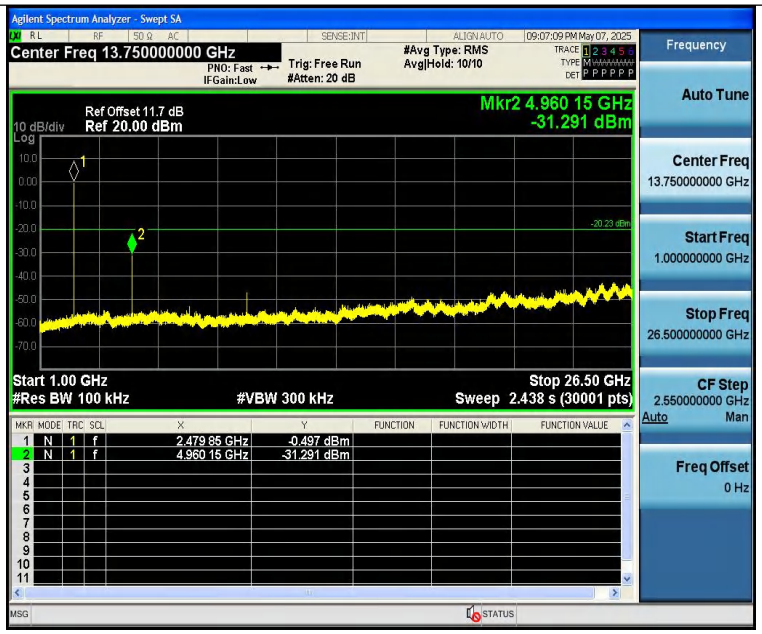


DH5-Ant1-2480-0~Reference-PASS

DH5-Ant1-2480-30~1000-PASS

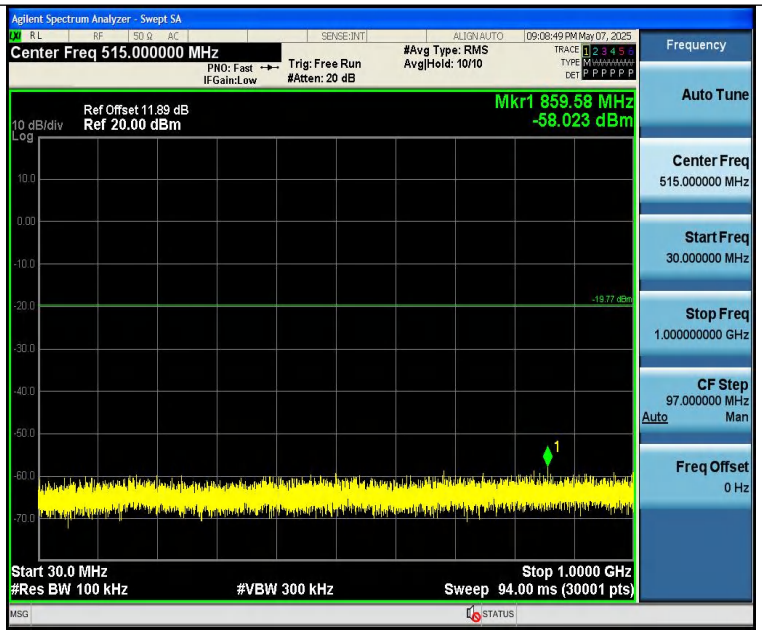


DH5-Ant1-2480-1000~26500-PASS

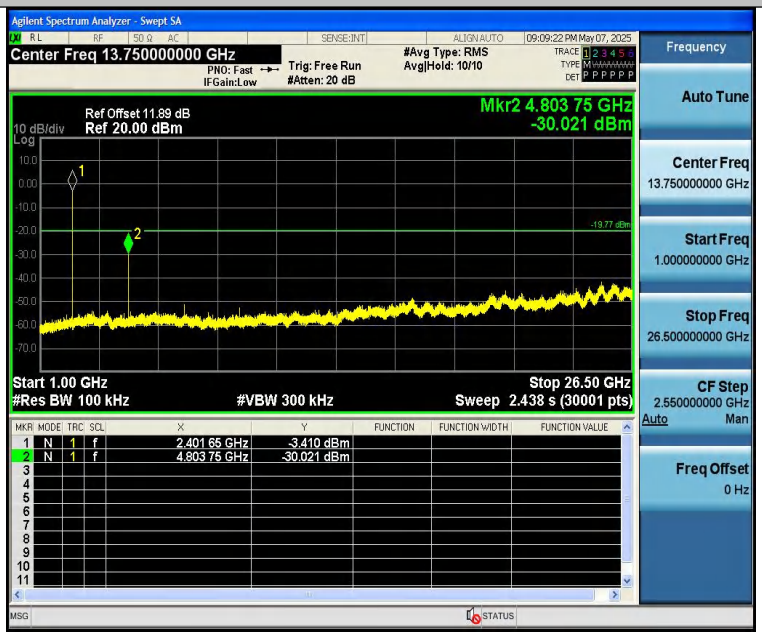


2DH5-Ant1-2402-0~Reference-PASS

2DH5-Ant1-2402-30~1000-PASS

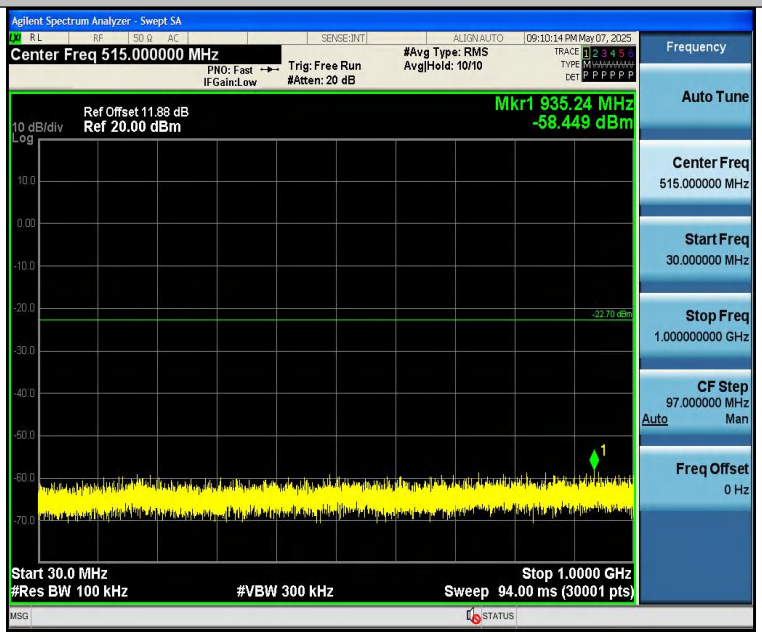


2DH5-Ant1-2402-1000~26500-PASS

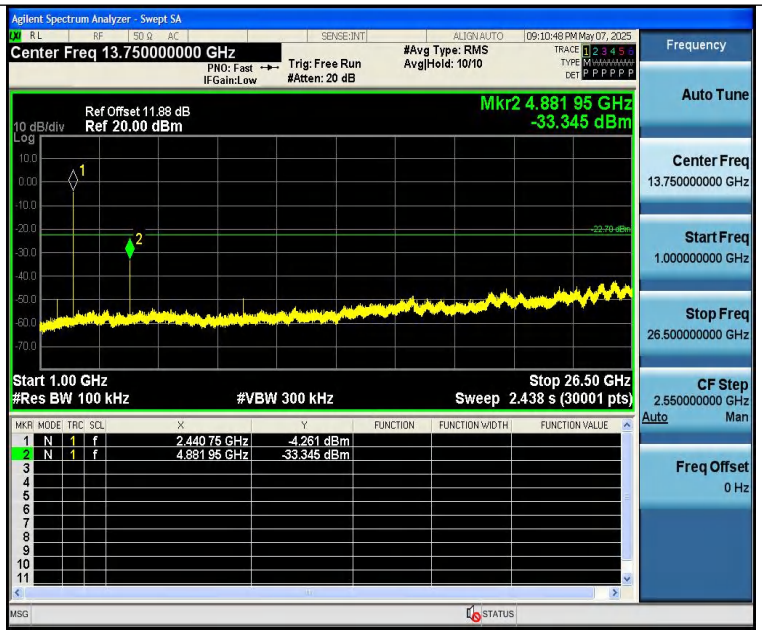


2DH5-Ant1-2441-0~Reference-PASS

2DH5-Ant1-2441-30~1000-PASS

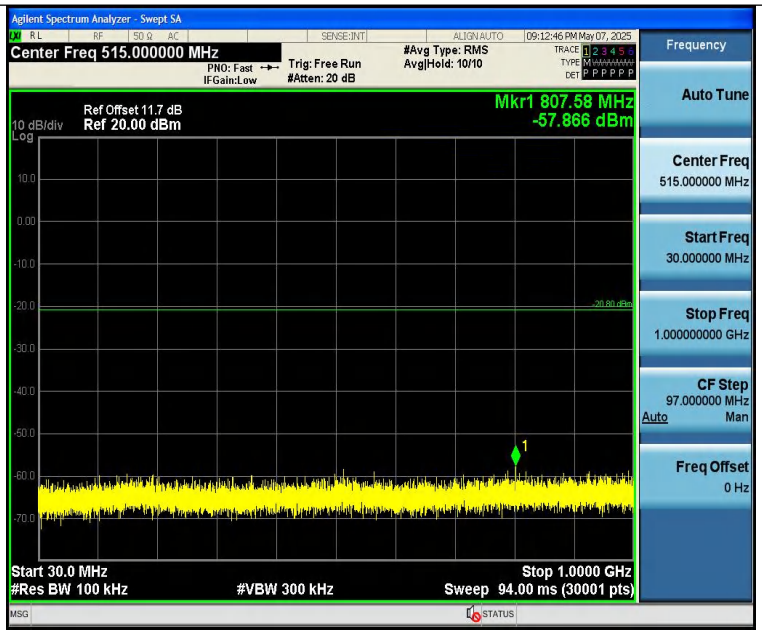


2DH5-Ant1-2441-1000~26500-PASS

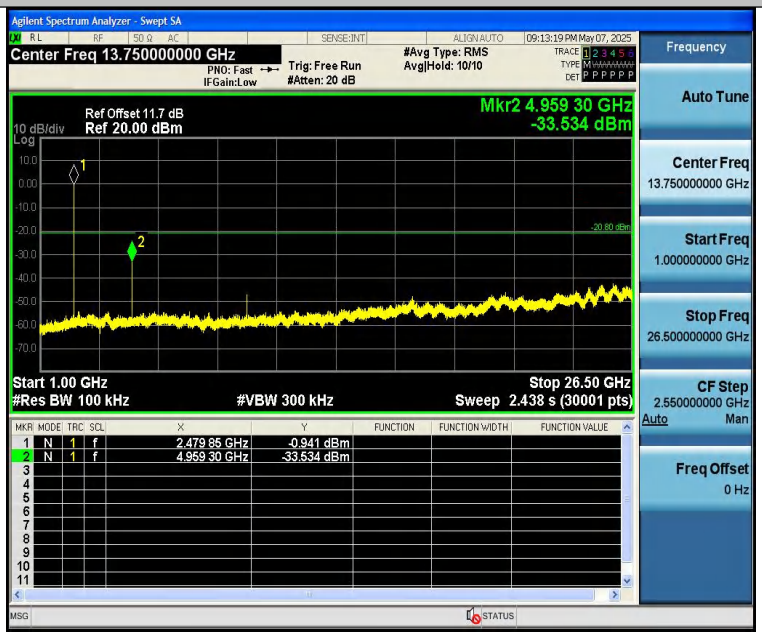


2DH5-Ant1-2480-0~Reference-PASS

2DH5-Ant1-2480-30~1000-PASS

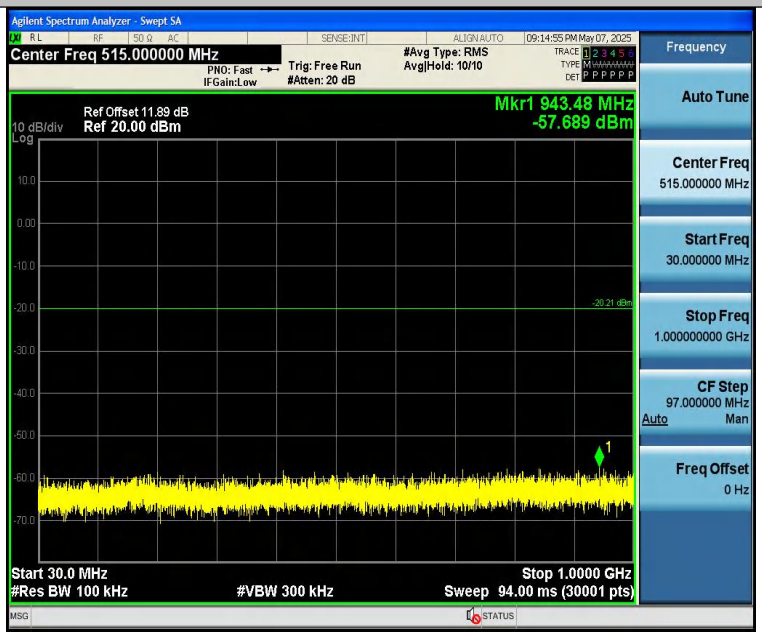


2DH5-Ant1-2480-1000~26500-PASS

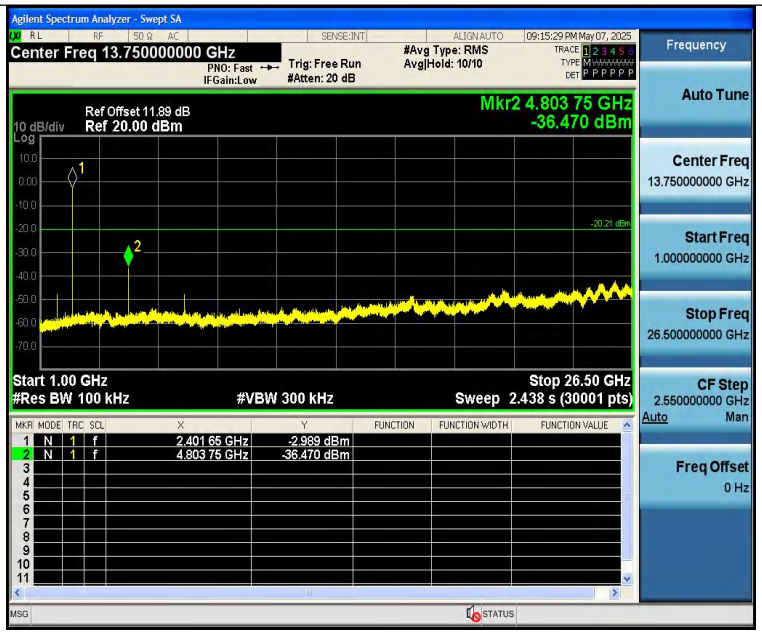


3DH5-Ant1-2402-0~Reference-PASS

3DH5-Ant1-2402-30~1000-PASS

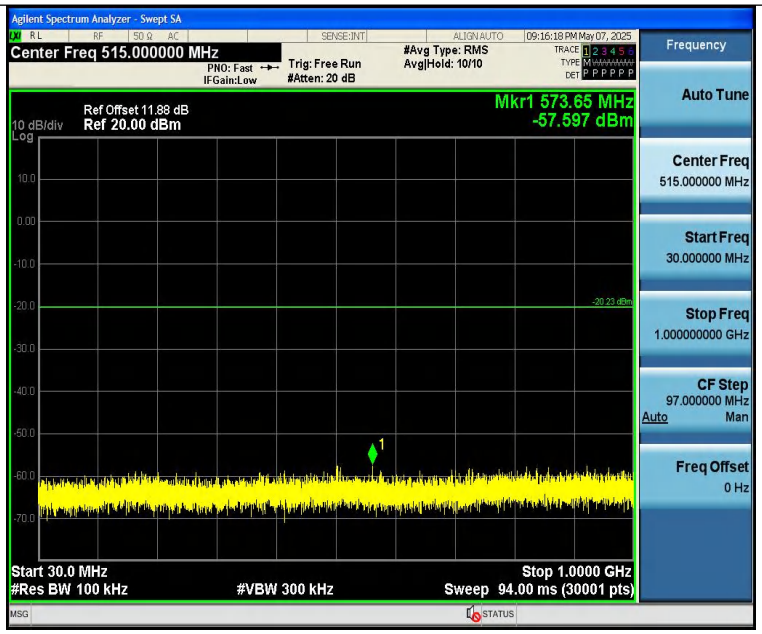


3DH5-Ant1-2402-1000~26500-PASS

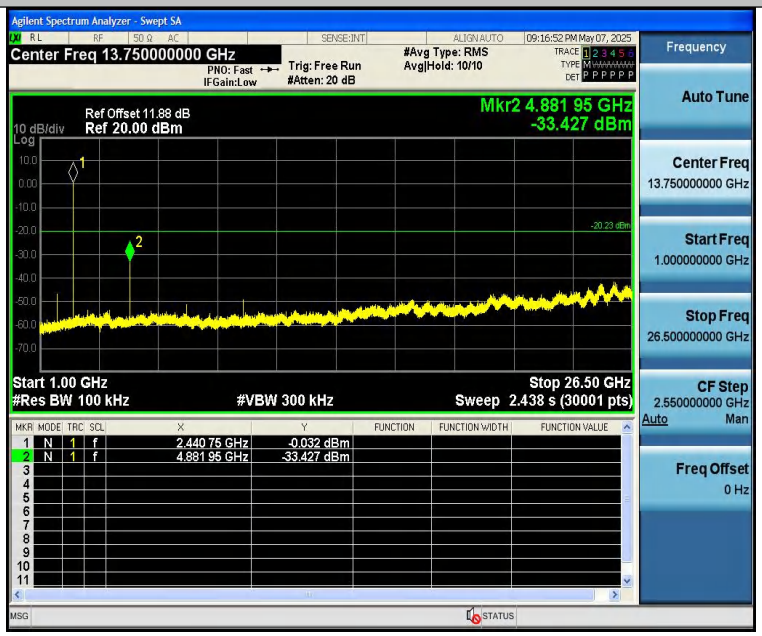


3DH5-Ant1-2441-0~Reference-PASS

3DH5-Ant1-2441-30~1000-PASS

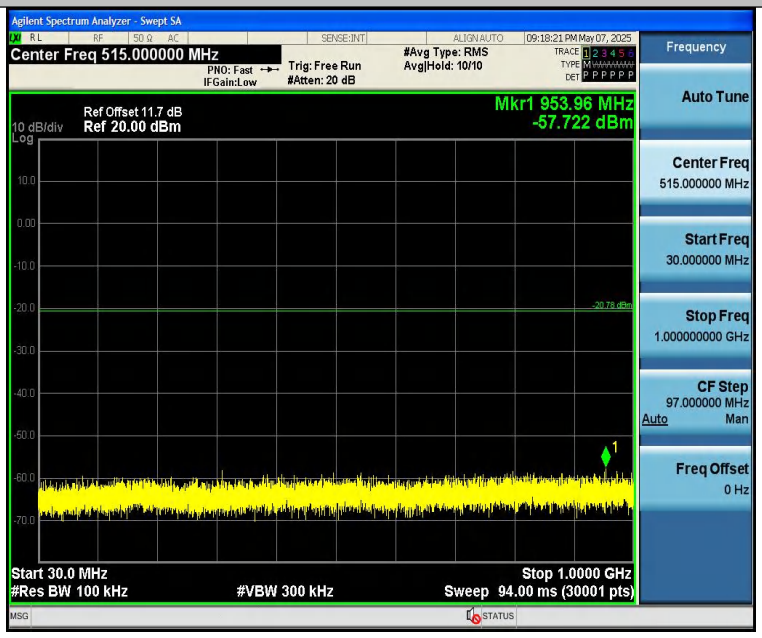


3DH5-Ant1-2441-1000~26500-PASS

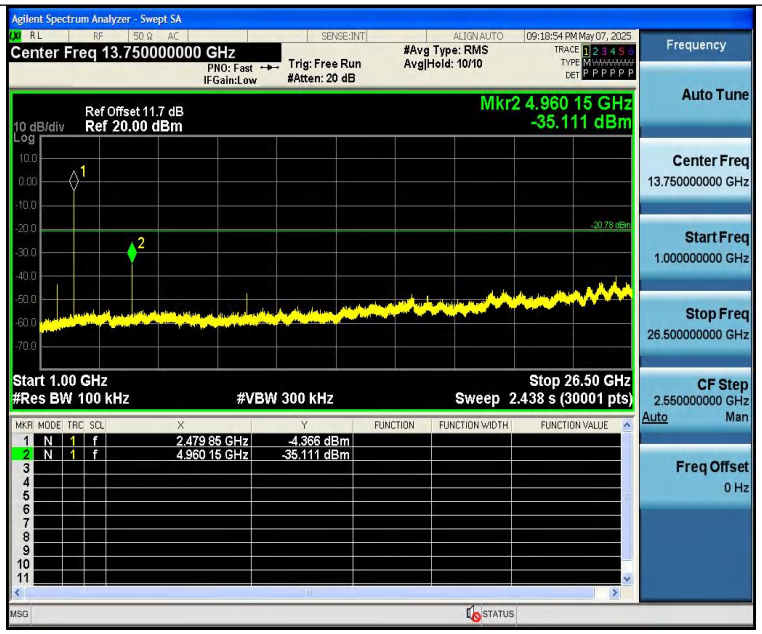


3DH5-Ant1-2480-0~Reference-PASS

3DH5-Ant1-2480-30~1000-PASS



3DH5-Ant1-2480-1000~26500-PASS


Agilent Spectrum Analyzer - Swept SA
Center Freq 13.750000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
#Avg Type: RMS
Avg|Hold: 10/10
09:18:54 PM May 07, 2025
Ref Offset 11.7 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr2 4.960 15 GHz
-35.111 dBm
-20.78 dBm
Start 1.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.438 s (30001 pts)
1 N 1 f 2.479 85 GHz -4.366 dBm
2 N 1 f 4.960 15 GHz -35.111 dBm
Frequency
Auto Tune
Center Freq
13.750000000 GHz
Start Freq
1.000000000 GHz
Stop Freq
26.500000000 GHz
CF Step
2.550000000 GHz
Auto
Man
Freq Offset
0 Hz

14 Antenna Requirement

14.1 Test Standard and Requirement

Test Standard	FCC Part15 Section 15.203 /247(c)
Requirement	1) 15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. 2) 15.247(c) (1)(i) requirement: Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

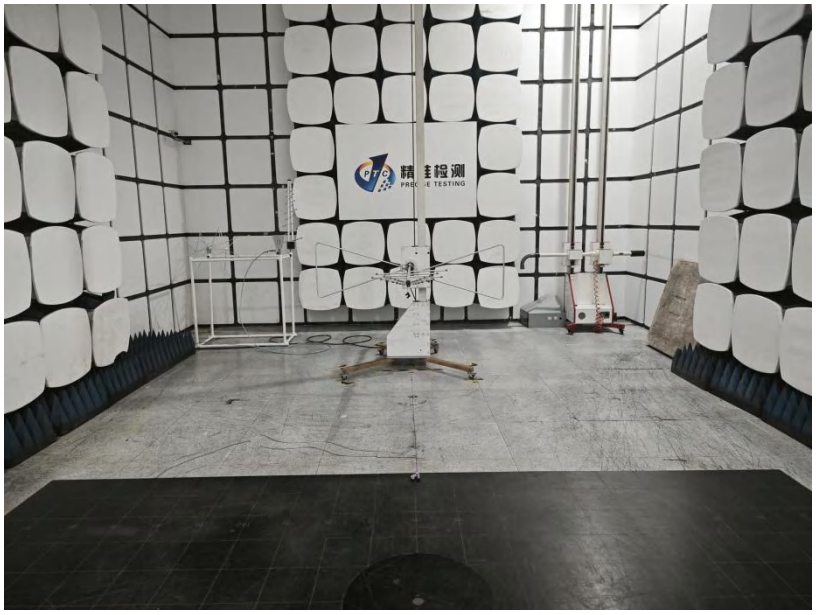
14.2 Antenna Connected Construction

The antenna is Ceramic Antenna which permanently attached, and the best case gain of the antenna is 2.5 dBi. It complies with the standard requirement.

15 APPENDIX I -- TEST SETUP PHOTOGRAPH

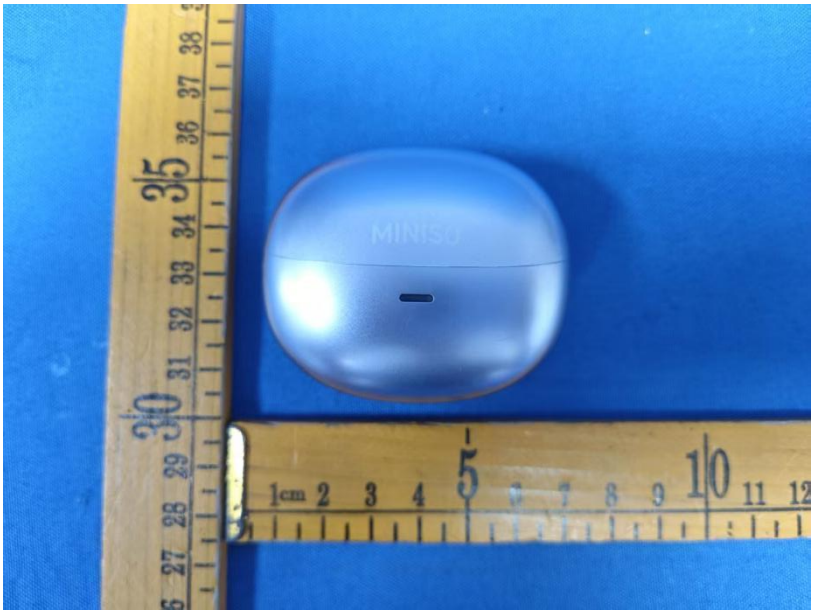
Conducted Emissions

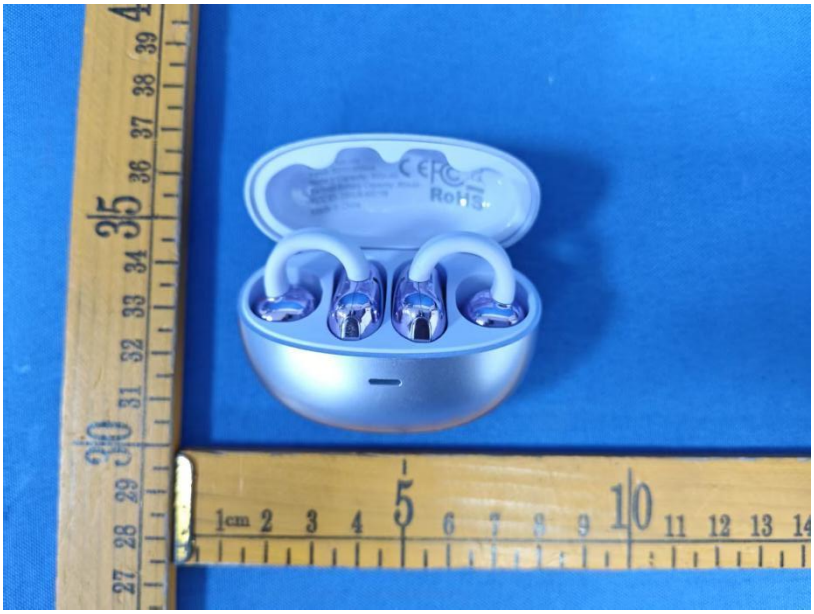
Radiated Emissions
From 30M-1GHz



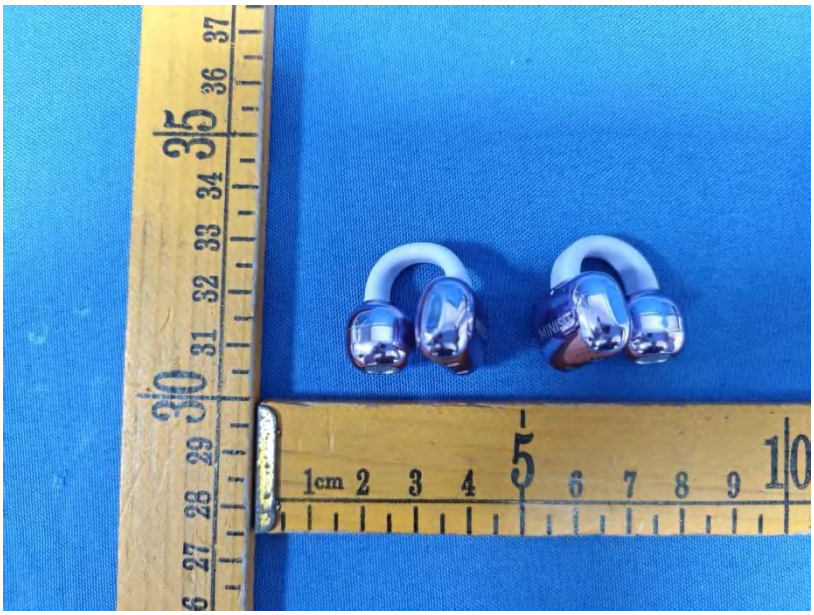
Above 1GHz

16 APPENDIX II -- EUT PHOTOGRAPH

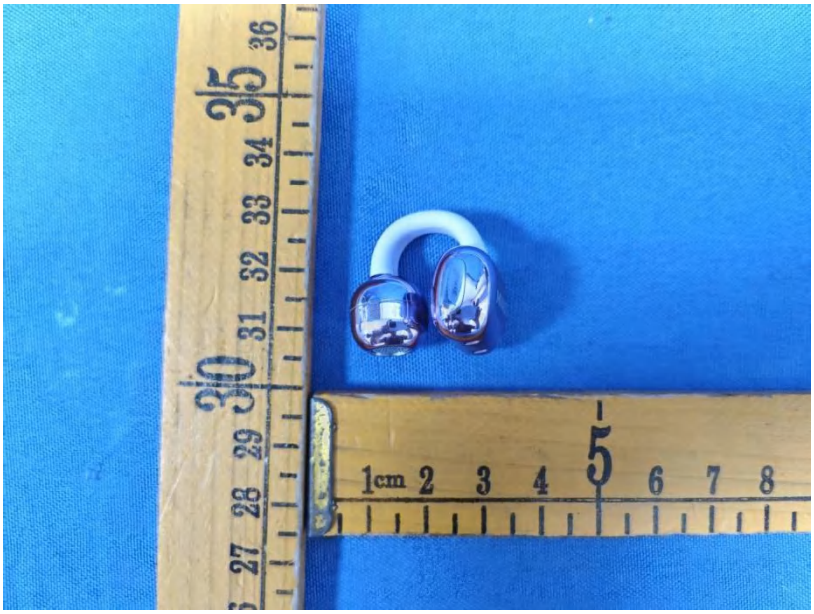


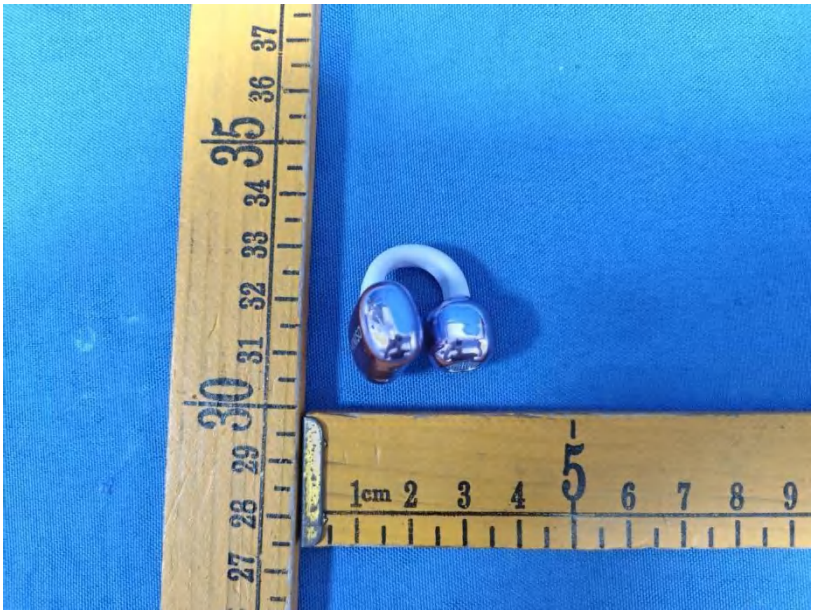


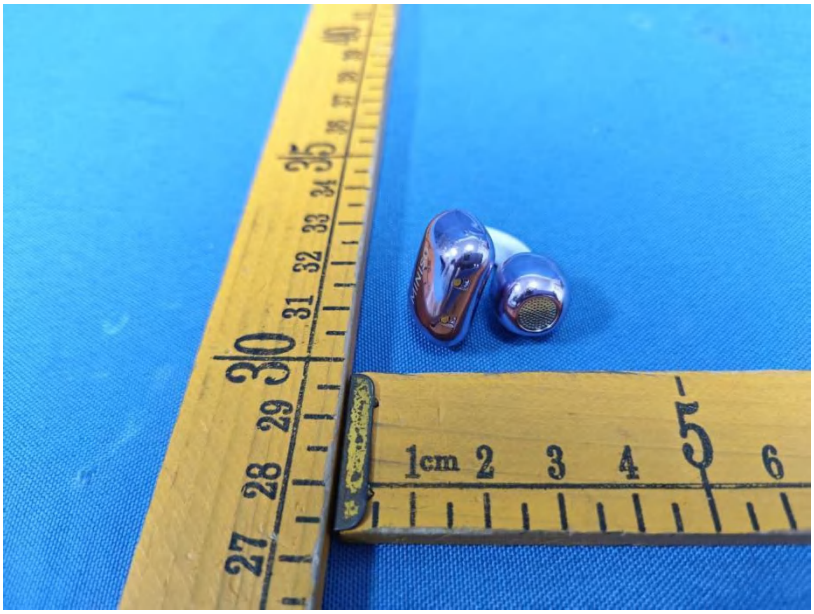

RoHS

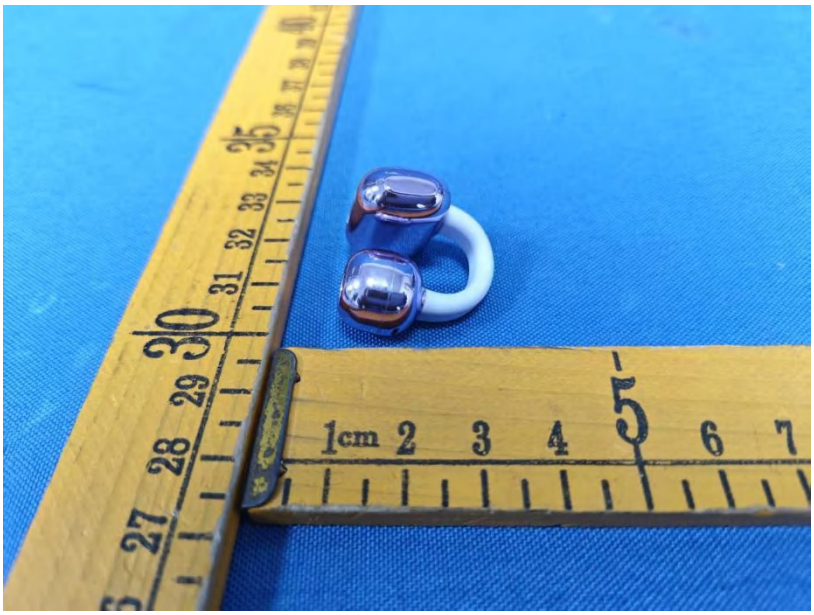


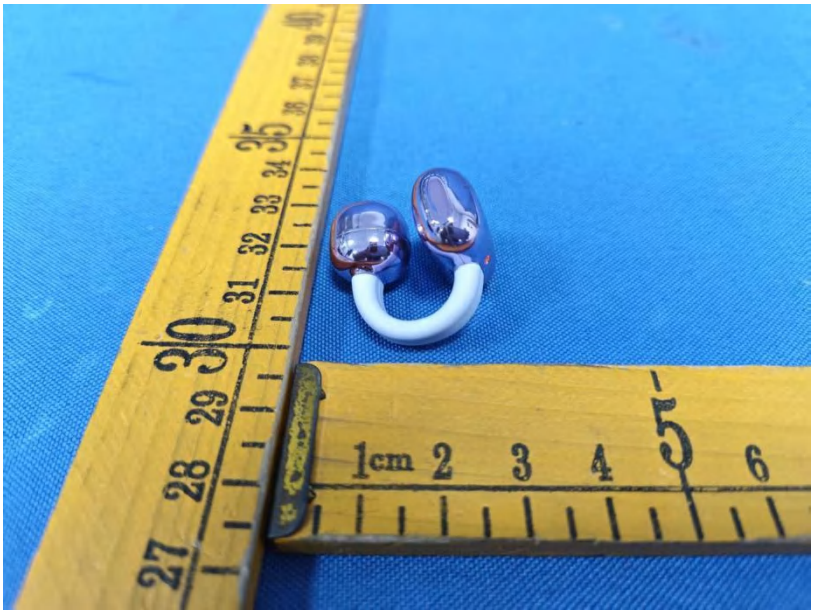
L:

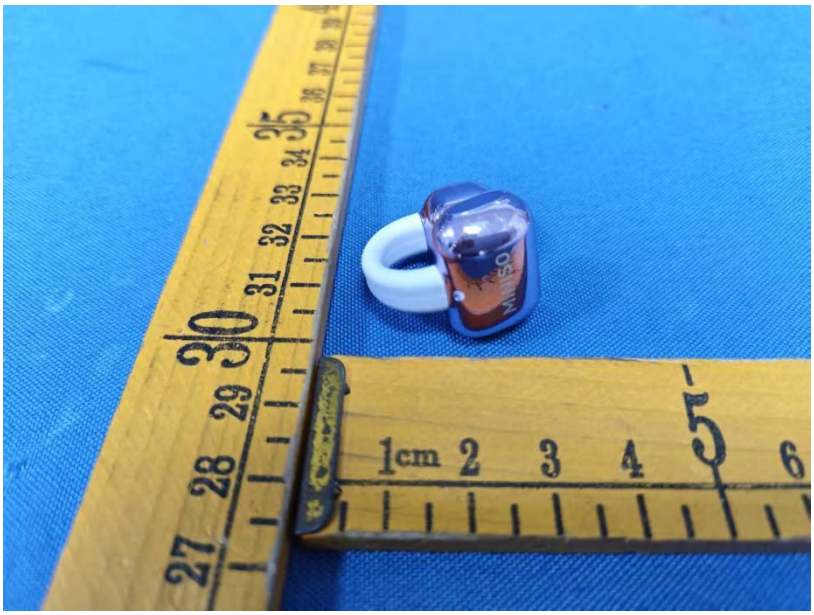


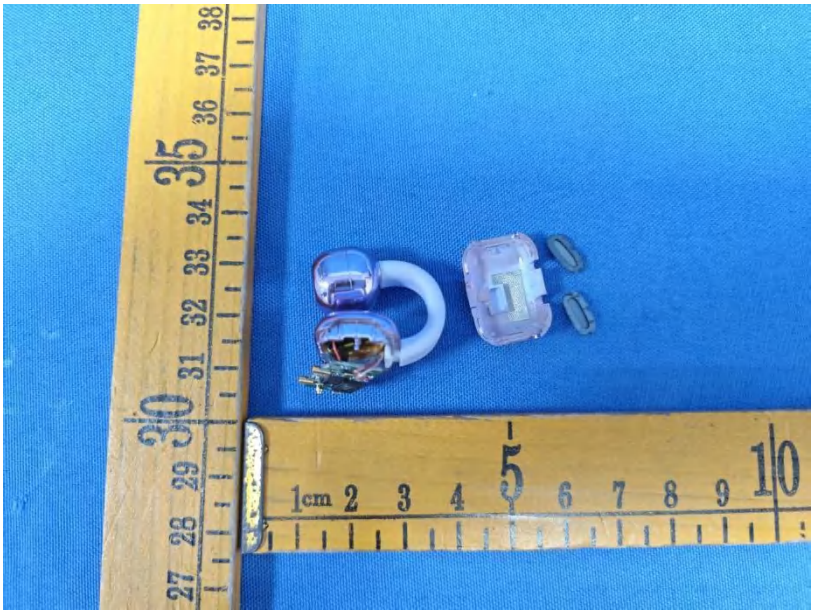


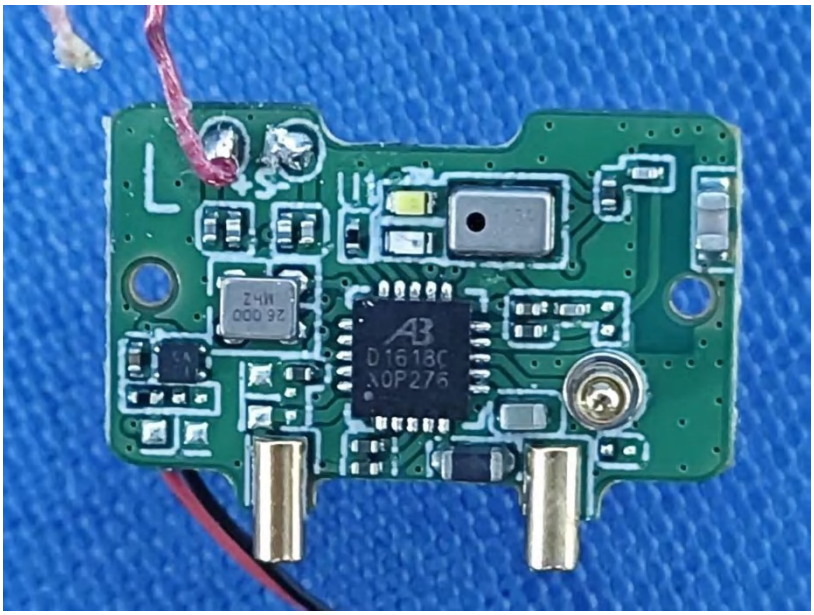

1cm 2 3 4 5 6
27 28 29 30 31 32 33 34 35

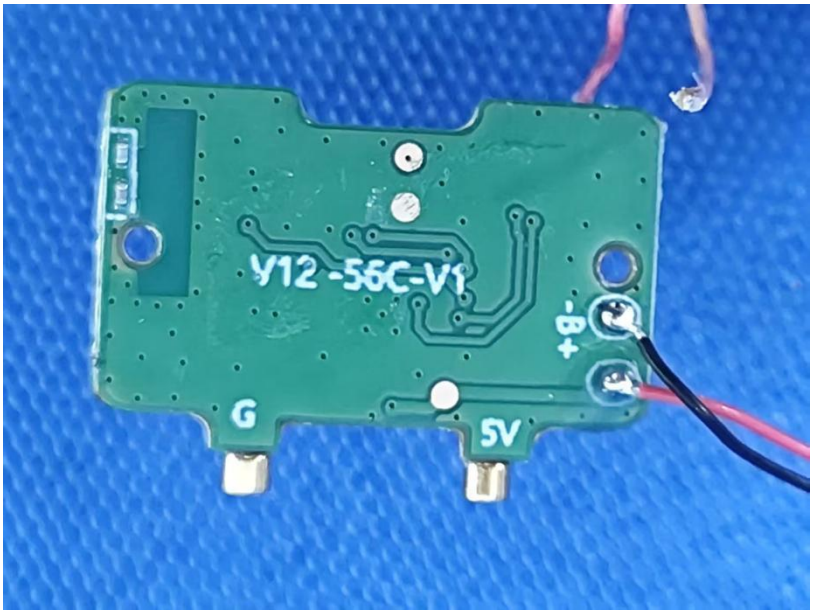

1cm 2 3 4 5 6 7
27 28 29 30 31 32 33 34 35

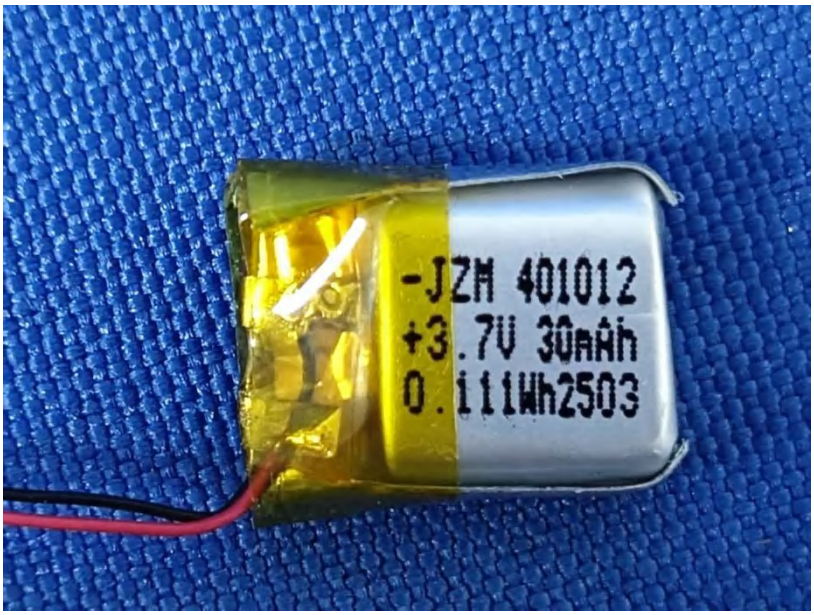

1cm 2 3 4 5 6

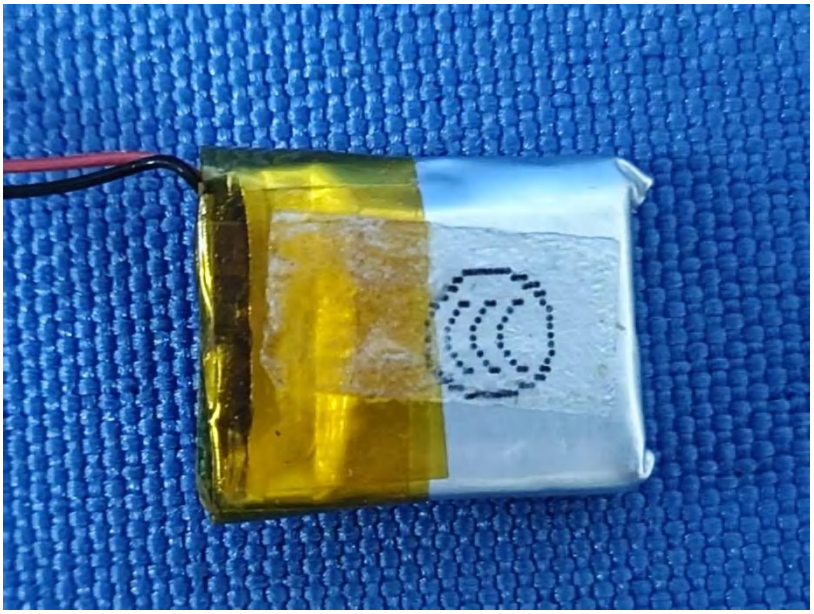

1cm 2 3 4 5 6


1cm 2 3 4 5 6 7 8 9 10

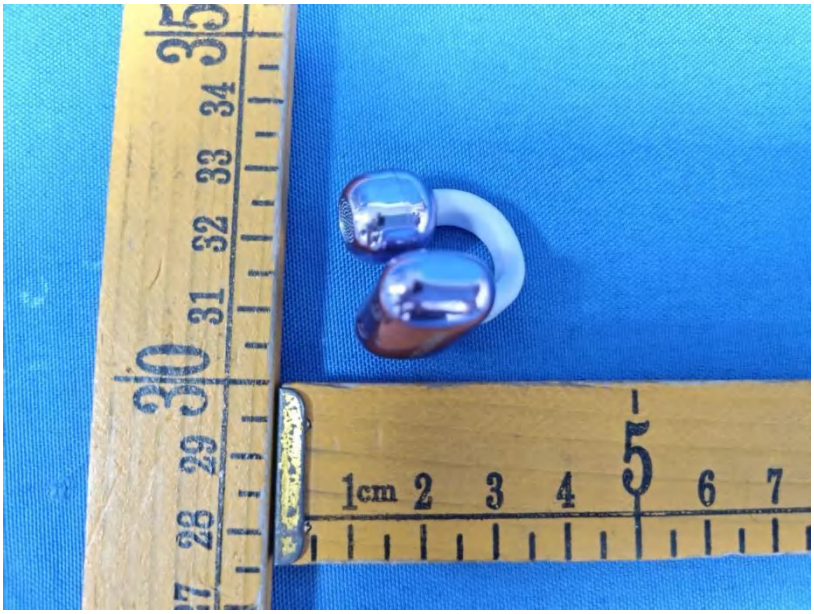


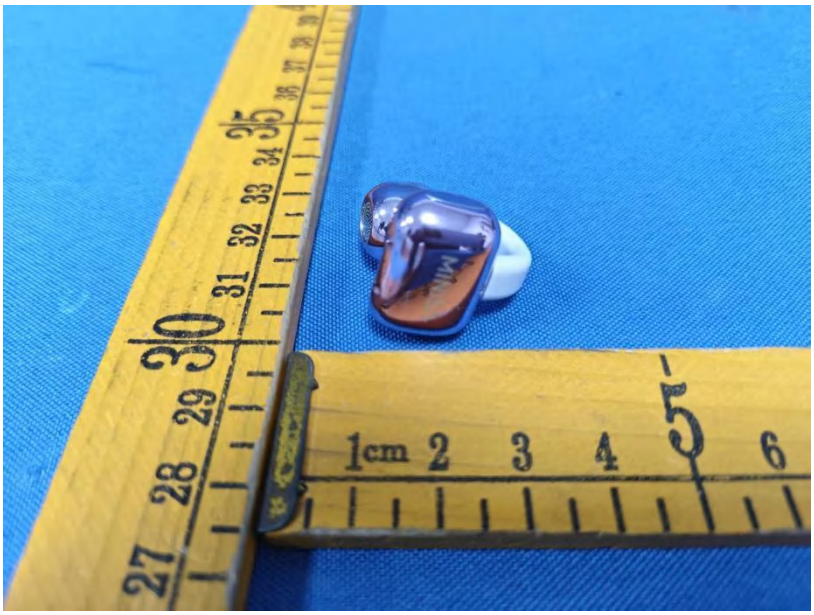

Y12-56C-V1
B+
G
5V

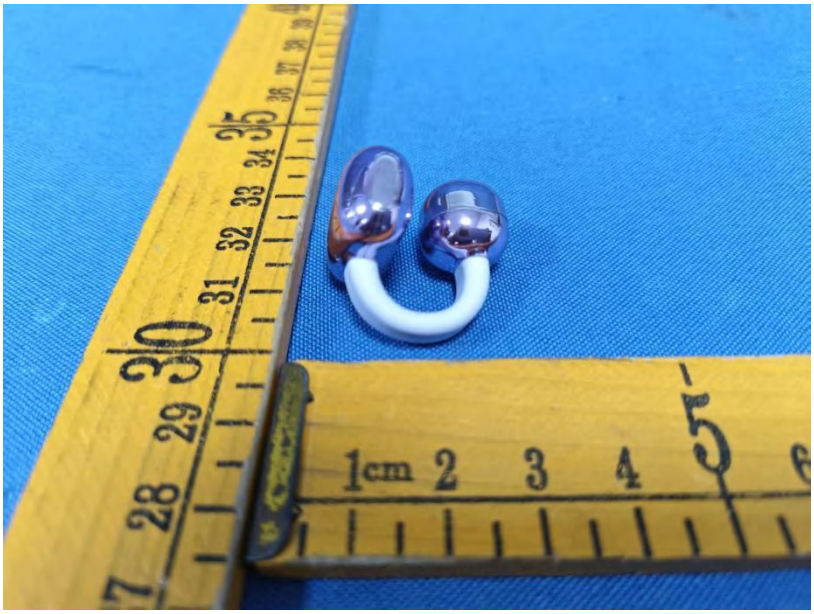

-JZM 401012
+3.7V 30mAh
0.111Wh2503

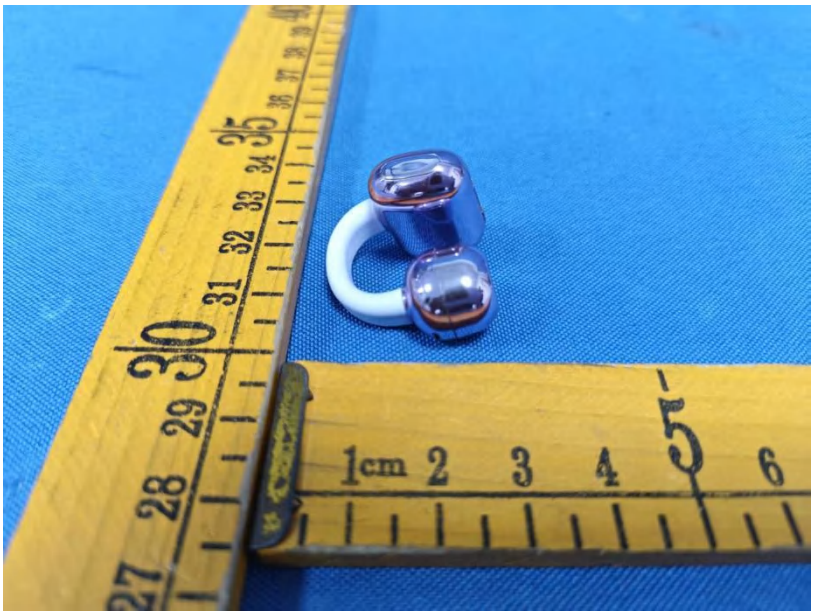


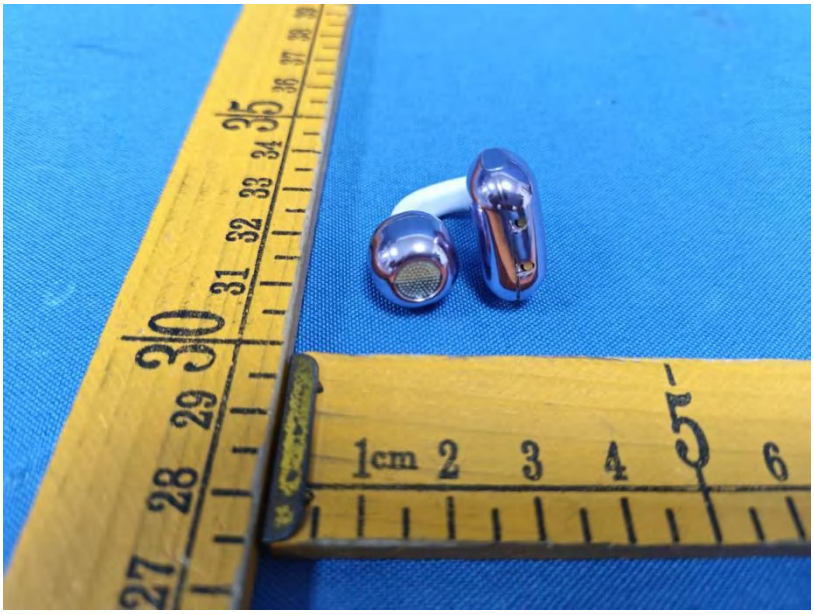
R:

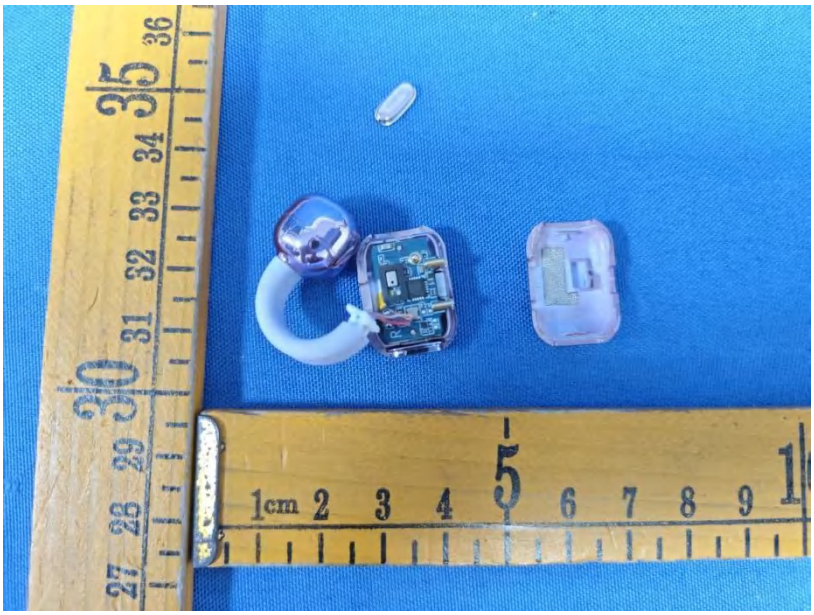

35
34
33
32
31
30
29
28
27
1cm
2
3
4
5
6
7

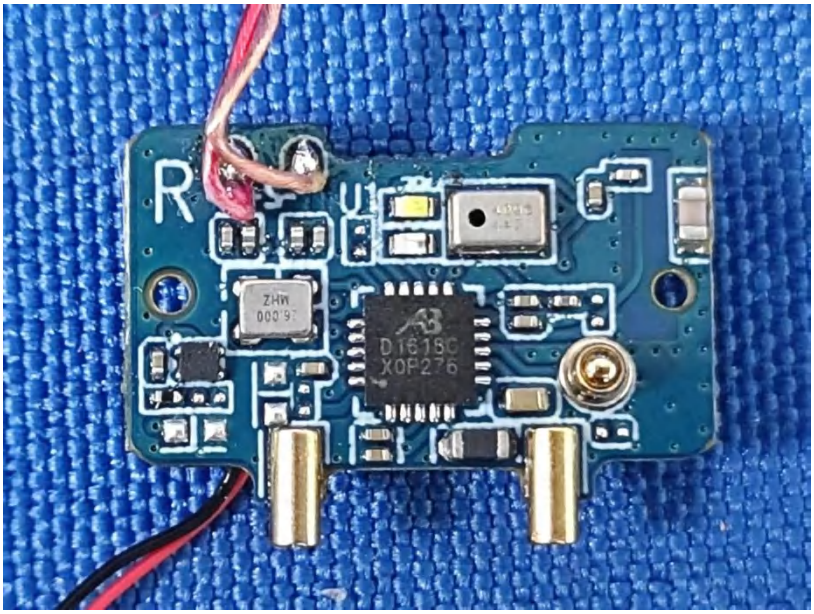

35
34
33
32
31
30
29
28
27
1cm
2
3
4
5
6

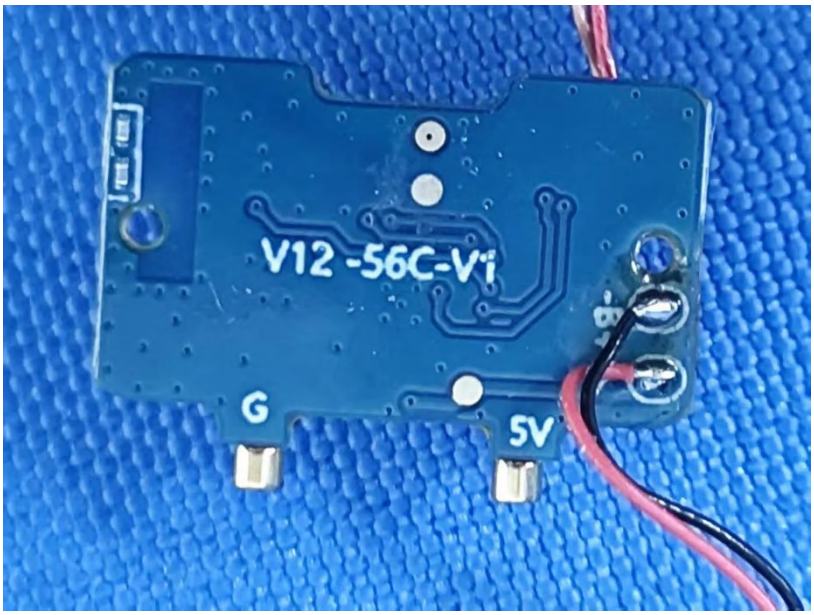

1cm 2 3 4 5 6

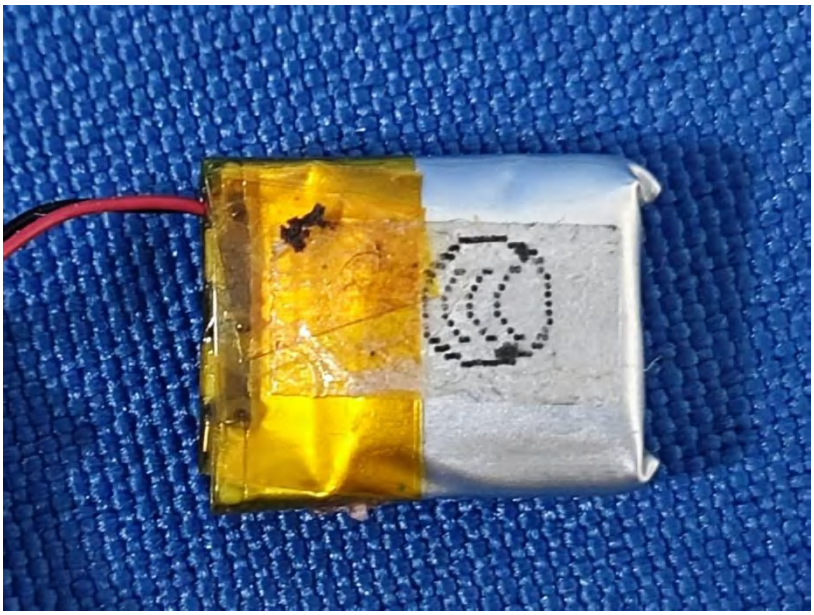

1cm 2 3 4 5 6






R
ZHW
D1618C
XOP276


V12-56C-Vi
G
5V



********THE END REPORT********