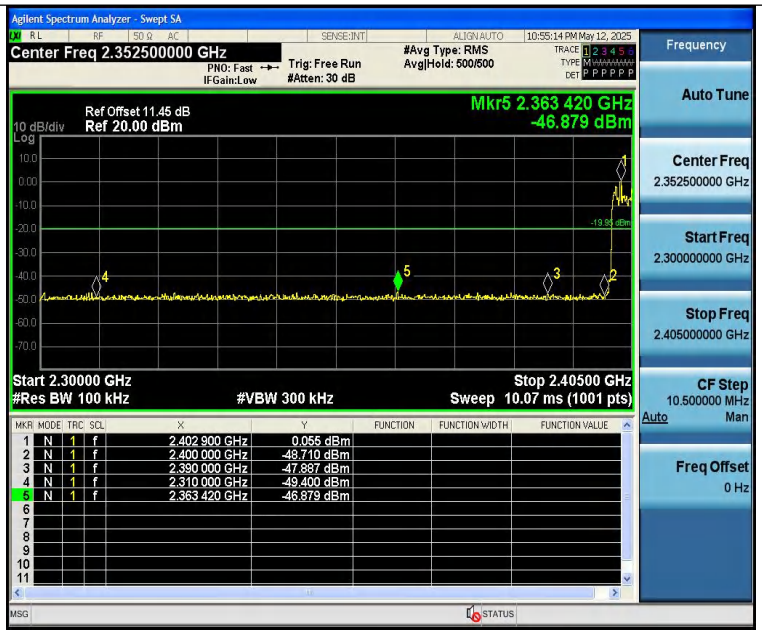
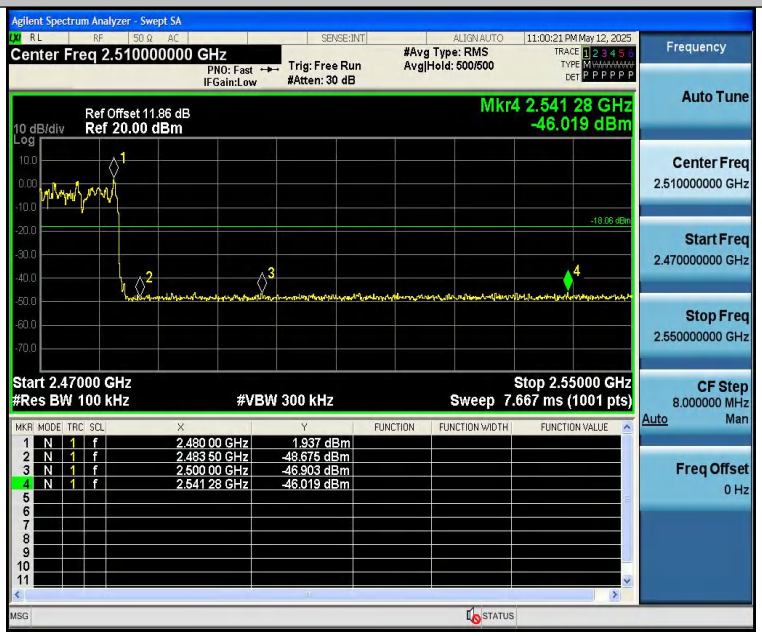
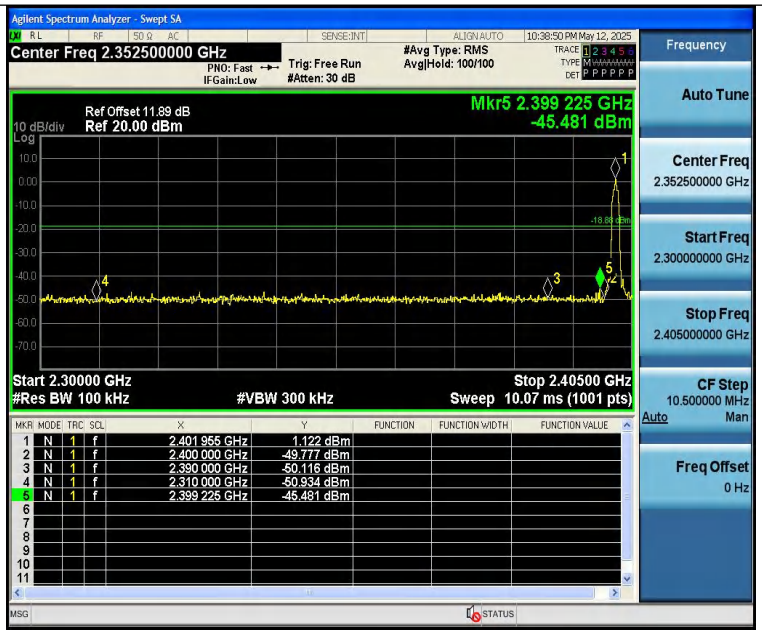


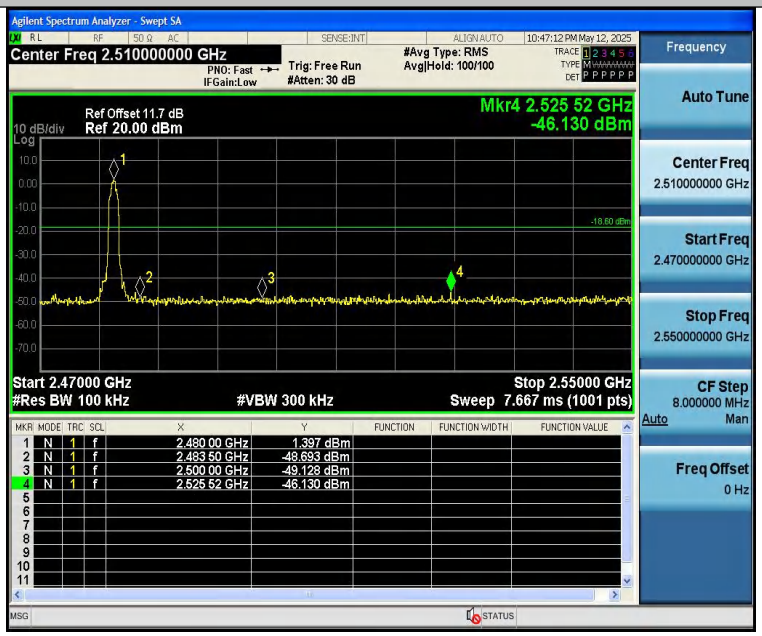
2DH5-Ant1-Hop_2480-PASS



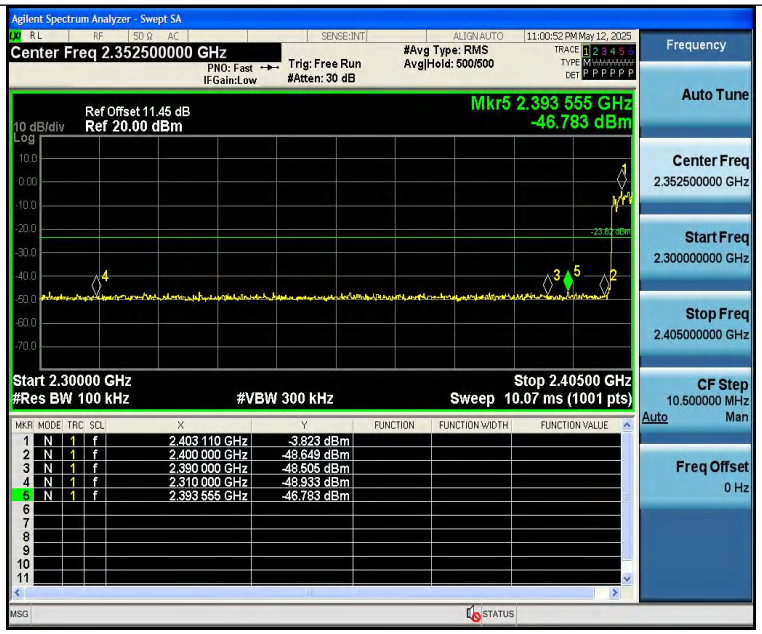
3DH5-Ant1-2402-PASS



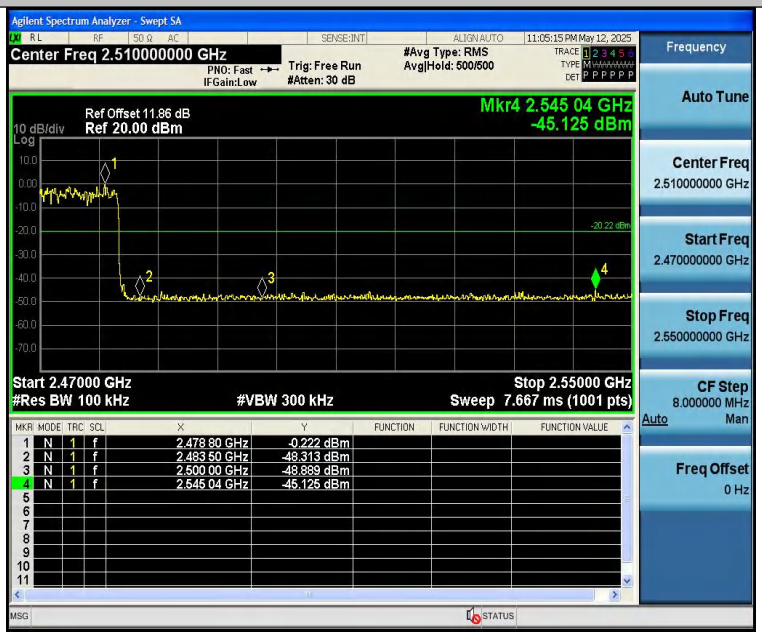
3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS



3DH5-Ant1-Hop_2480-PASS



Conducted Emission Method

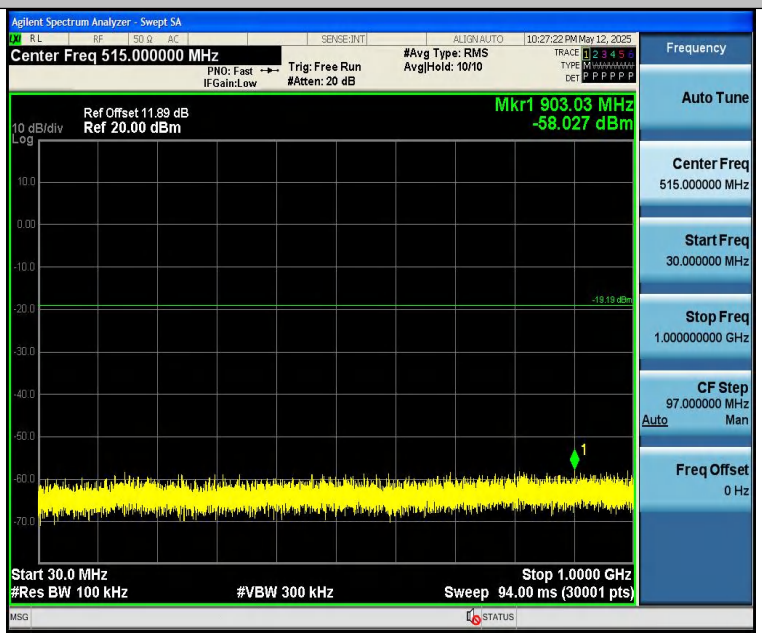
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	0.81	0.81	---	PASS
DH5	Ant1	2402	30~1000	0.81	-58.03	≤-19.19	PASS
DH5	Ant1	2402	1000~26500	0.81	-21.36	≤-19.19	PASS
DH5	Ant1	2441	0~Reference	1.26	1.26	---	PASS
DH5	Ant1	2441	30~1000	1.26	-56.21	≤-18.74	PASS
DH5	Ant1	2441	1000~26500	1.26	-20.64	≤-18.74	PASS
DH5	Ant1	2480	0~Reference	2.20	2.20	---	PASS
DH5	Ant1	2480	30~1000	2.20	-57.65	≤-17.8	PASS
DH5	Ant1	2480	1000~26500	2.20	-20.33	≤-17.8	PASS
2DH5	Ant1	2402	0~Reference	0.94	0.94	---	PASS
2DH5	Ant1	2402	30~1000	0.94	-57.38	≤-19.06	PASS
2DH5	Ant1	2402	1000~26500	0.94	-22.91	≤-19.06	PASS
2DH5	Ant1	2441	0~Reference	-0.06	-0.06	---	PASS
2DH5	Ant1	2441	30~1000	-0.06	-57.39	≤-20.06	PASS
2DH5	Ant1	2441	1000~26500	-0.06	-23.95	≤-20.06	PASS
2DH5	Ant1	2480	0~Reference	-2.19	-2.19	---	PASS
2DH5	Ant1	2480	30~1000	-2.19	-57.33	≤-22.19	PASS
2DH5	Ant1	2480	1000~26500	-2.19	-22.82	≤-22.19	PASS
3DH5	Ant1	2402	0~Reference	1.24	1.24	---	PASS
3DH5	Ant1	2402	30~1000	1.24	-57.69	≤-18.76	PASS
3DH5	Ant1	2402	1000~26500	1.24	-26.71	≤-18.76	PASS
3DH5	Ant1	2441	0~Reference	1.11	1.11	---	PASS
3DH5	Ant1	2441	30~1000	1.11	-57.22	≤-18.89	PASS
3DH5	Ant1	2441	1000~26500	1.11	-24.49	≤-18.89	PASS
3DH5	Ant1	2480	0~Reference	2.30	2.30	---	PASS
3DH5	Ant1	2480	30~1000	2.30	-57.61	≤-17.7	PASS
3DH5	Ant1	2480	1000~26500	2.30	-23.58	≤-17.7	PASS

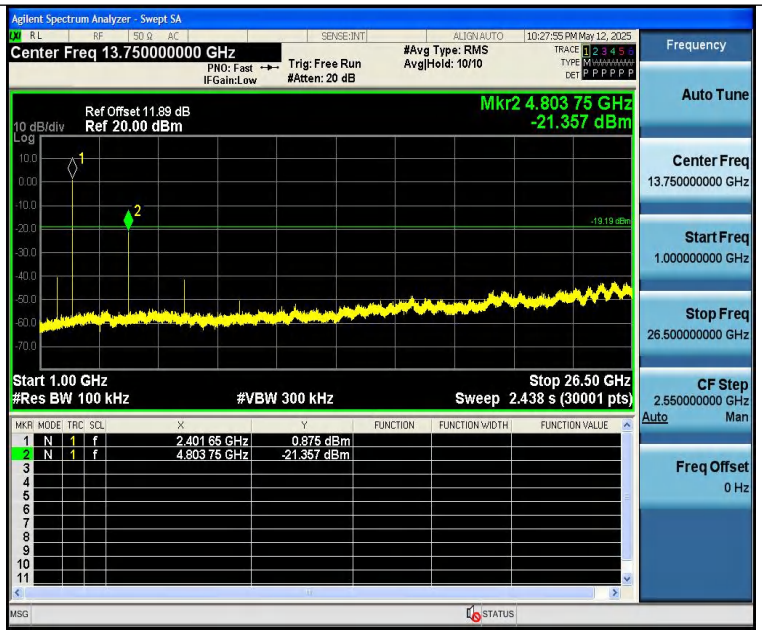
Test Graphs:

DH5-Ant1-2402-0~Reference-PASS

DH5-Ant1-2402-30~1000-PASS

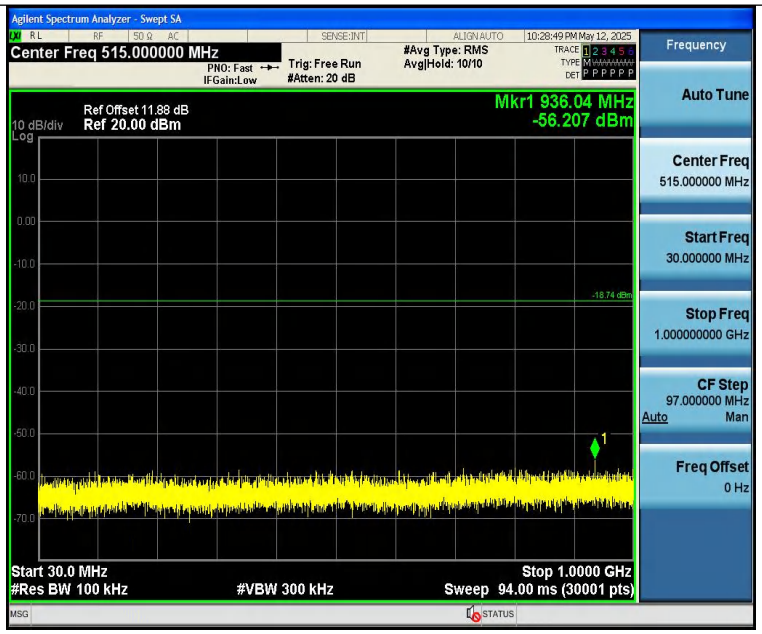


DH5-Ant1-2402-1000~26500-PASS

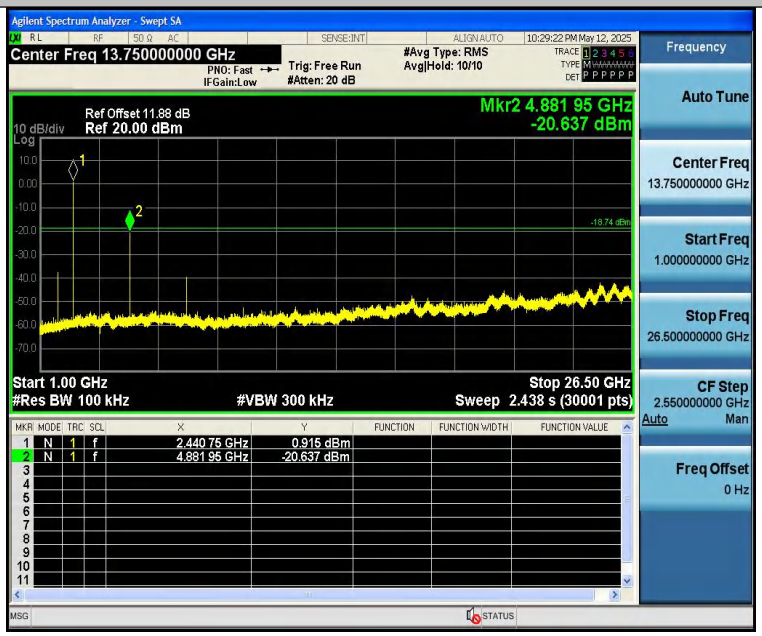


DH5-Ant1-2441-0~Reference-PASS

DH5-Ant1-2441-30~1000-PASS

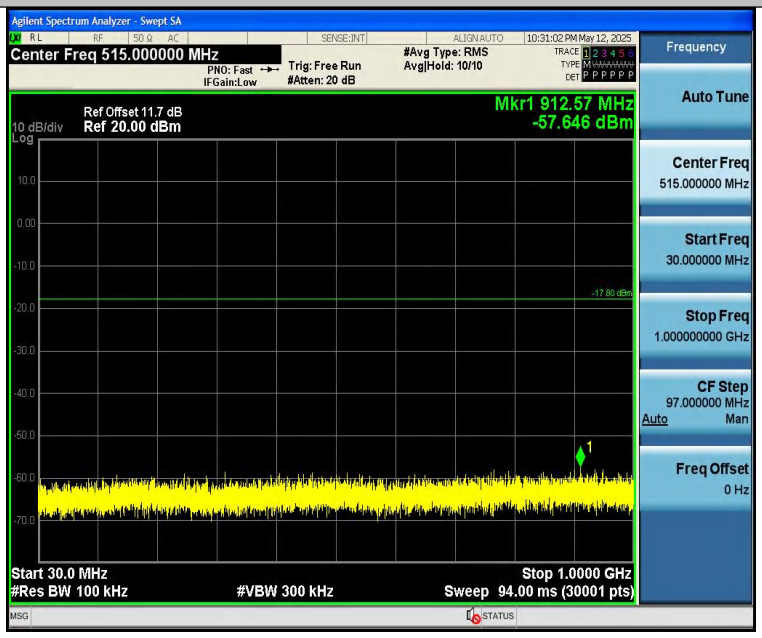


DH5-Ant1-2441-1000~26500-PASS

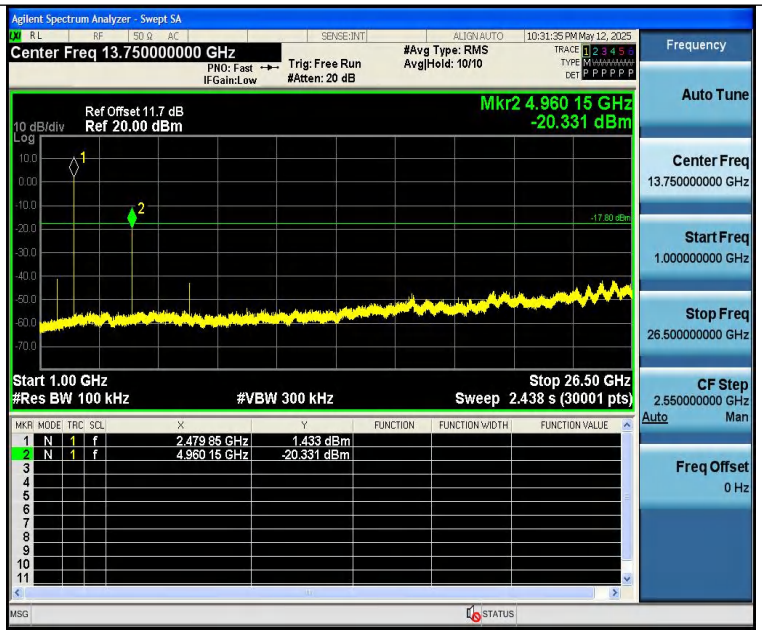


DH5-Ant1-2480-0~Reference-PASS

DH5-Ant1-2480-30~1000-PASS

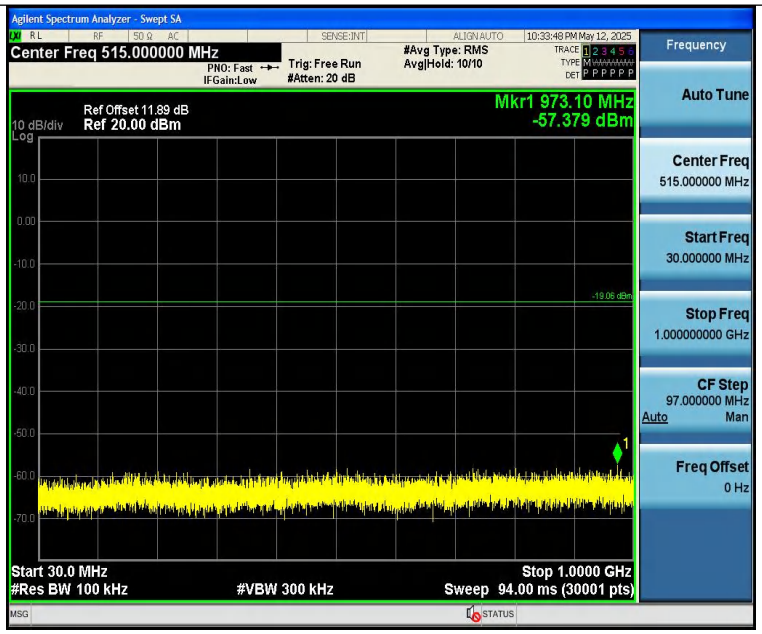


DH5-Ant1-2480-1000~26500-PASS

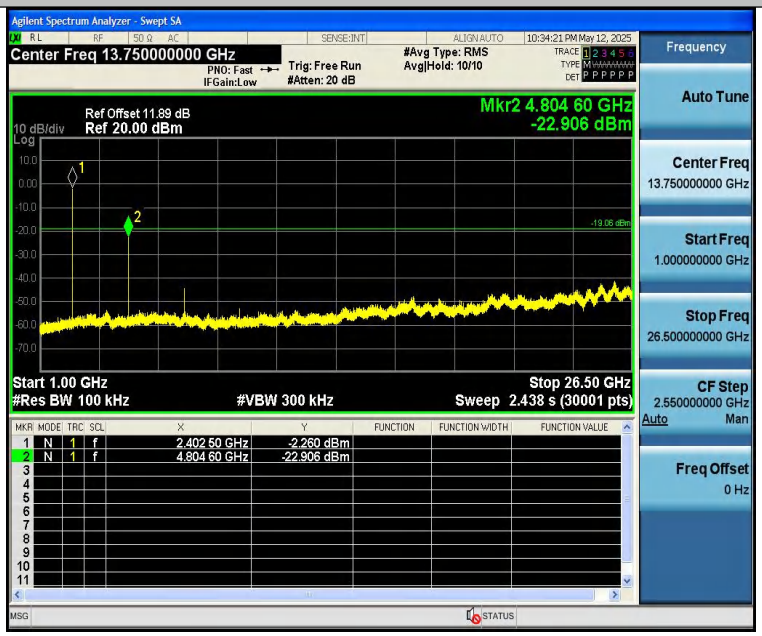


2DH5-Ant1-2402-0~Reference-PASS

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

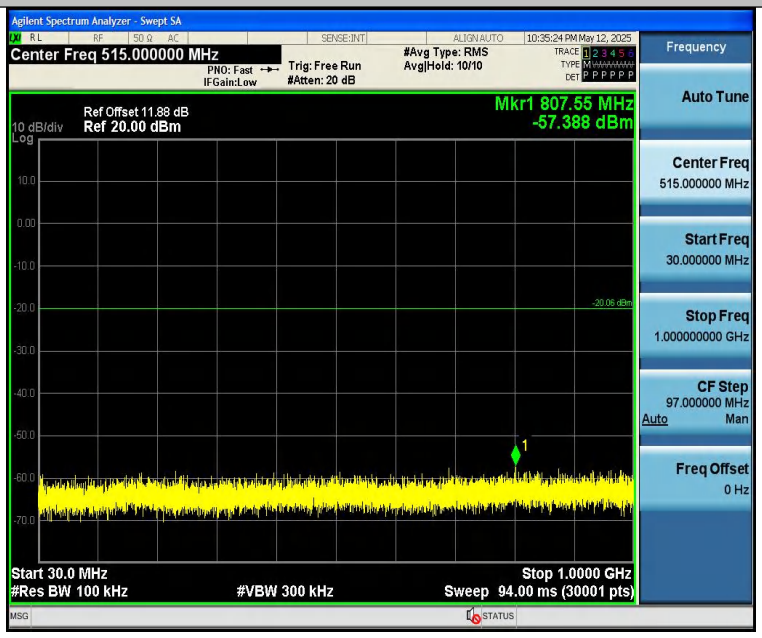


2DH5-Ant1-2402-1000~26500-PASS

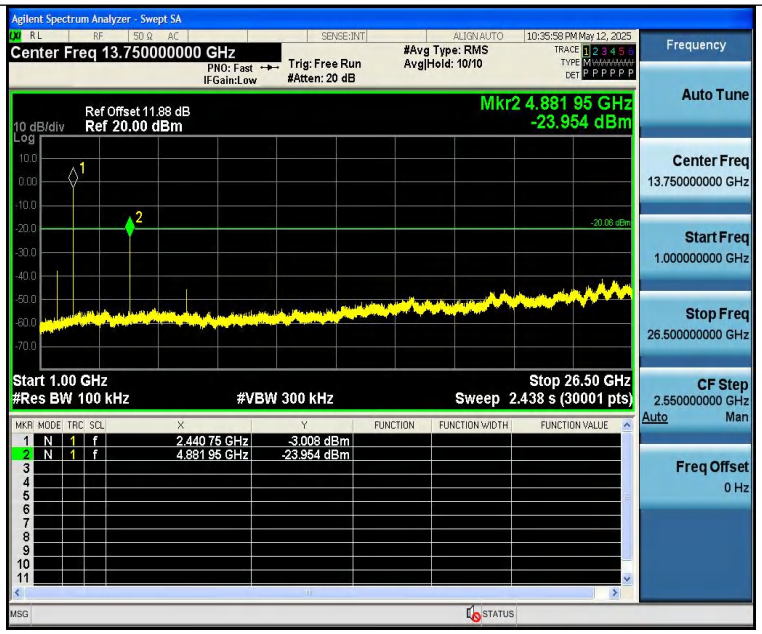


2DH5-Ant1-2441-0~Reference-PASS

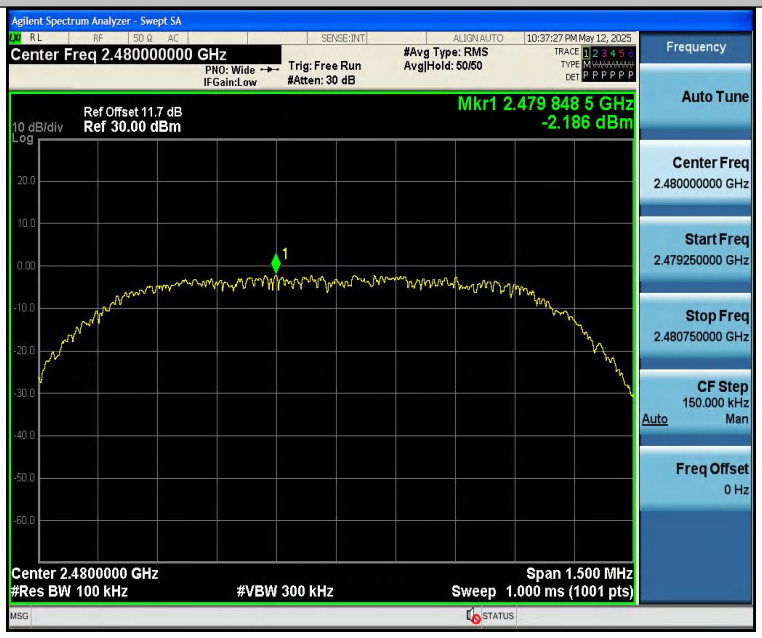
2DH5-Ant1-2441-30~1000-PASS



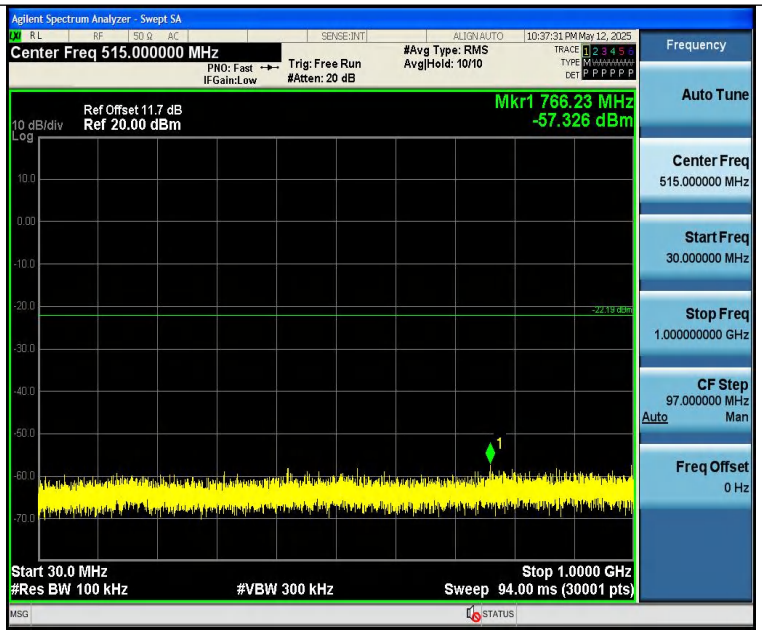
2DH5-Ant1-2441-1000~26500-PASS



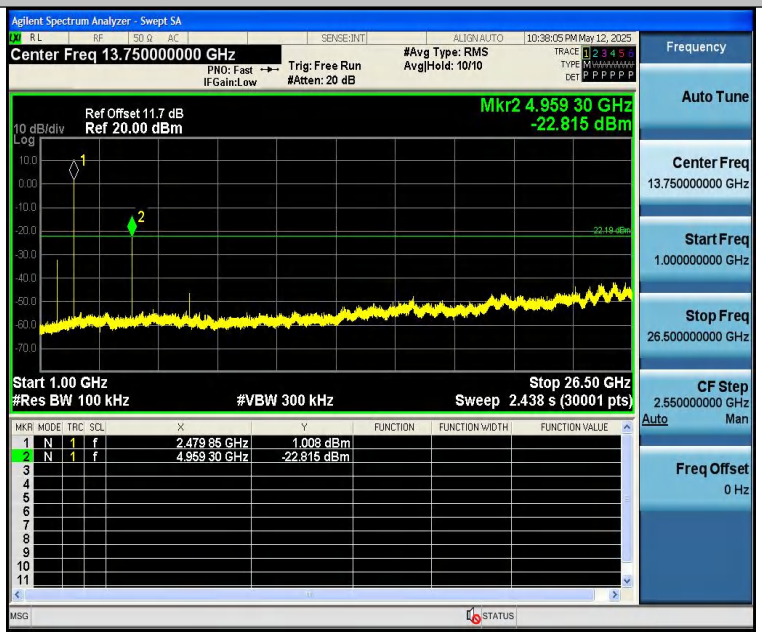
2DH5-Ant1-2480-0~Reference-PASS



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

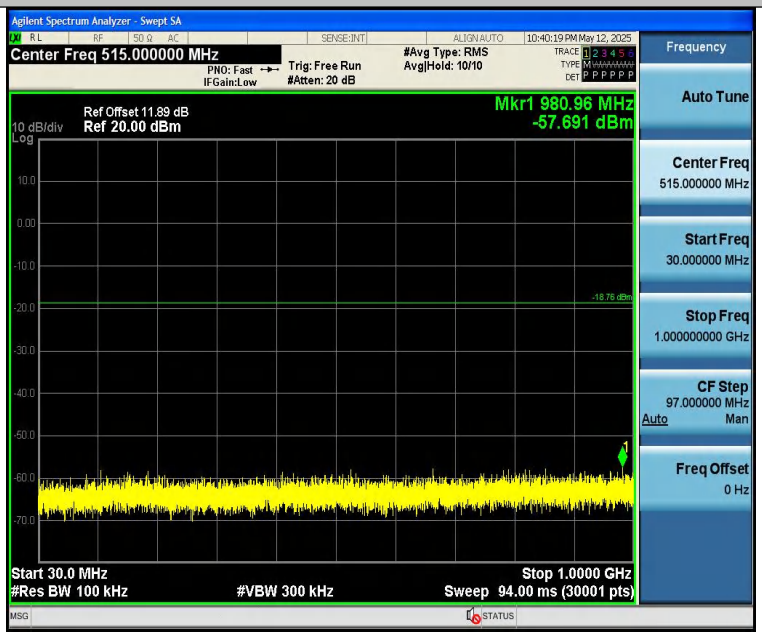


2DH5-Ant1-2480-1000~26500-PASS

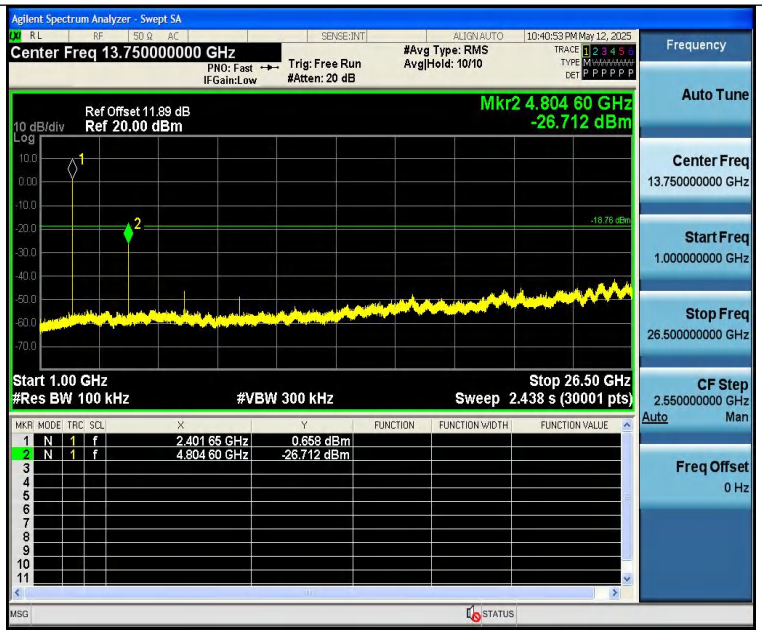


3DH5-Ant1-2402-0~Reference-PASS

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

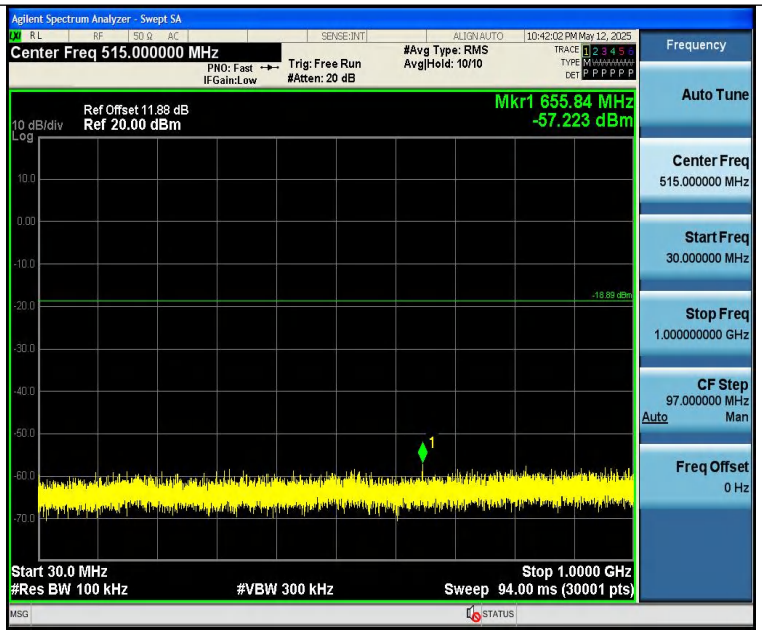


3DH5-Ant1-2402-1000~26500-PASS

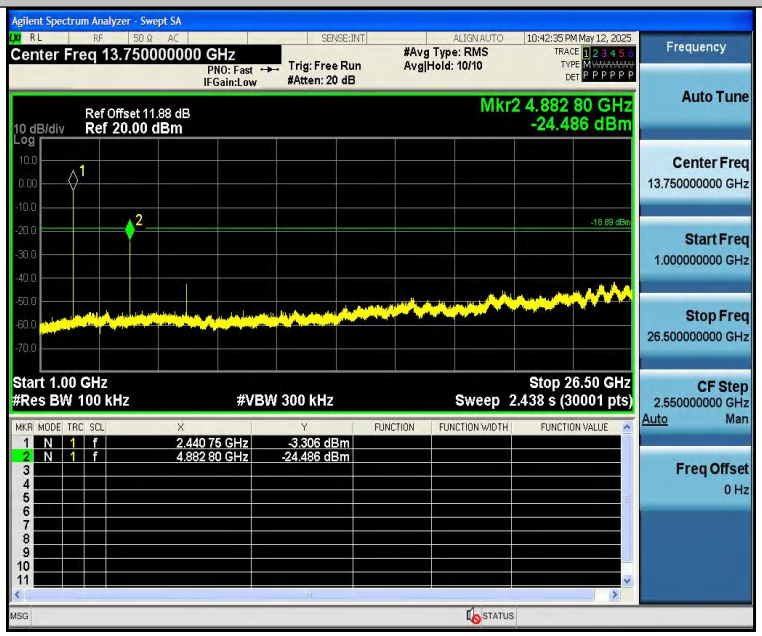


3DH5-Ant1-2441-0~Reference-PASS

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

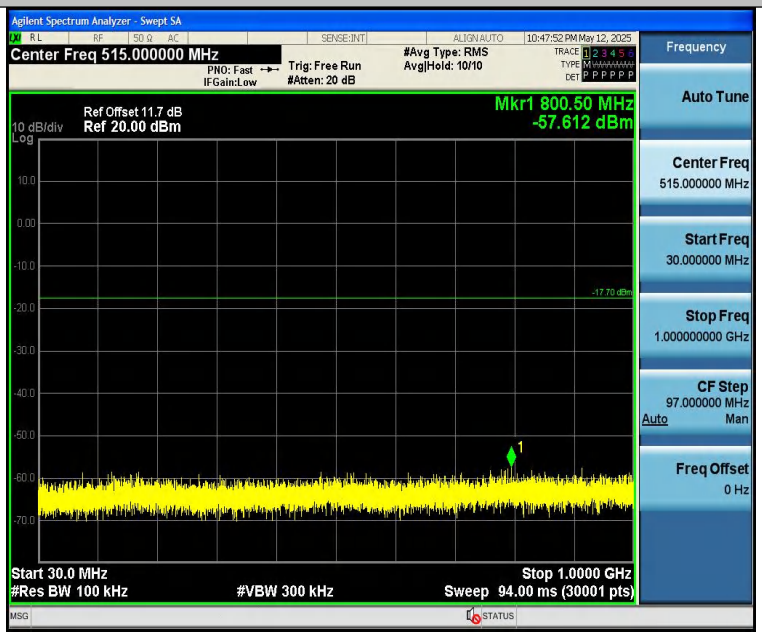


3DH5-Ant1-2441-1000~26500-PASS

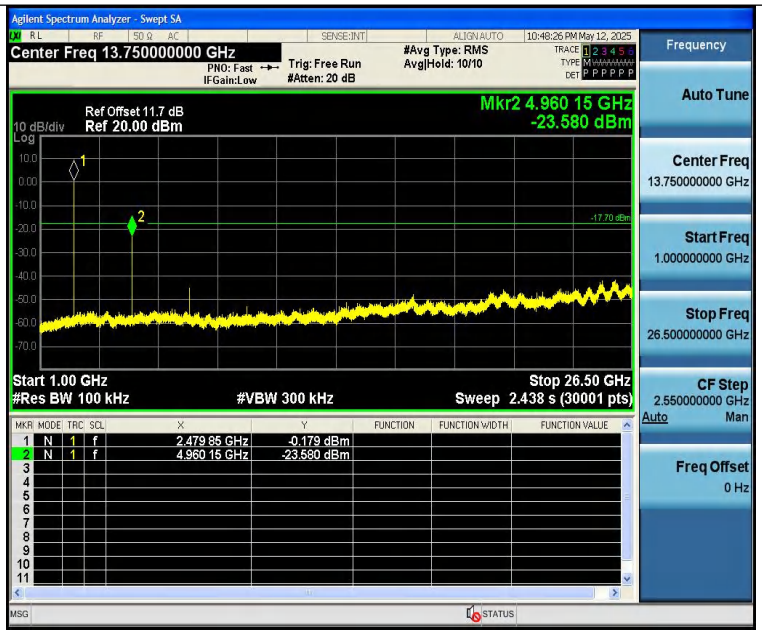


3DH5-Ant1-2480-0~Reference-PASS

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
10:48:26 PM May 12, 2025
Ref Offset 11.7 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr2 4.960 15 GHz
-23.580 dBm
-17.70 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 -0.179 dBm
2 N 1 f 4.960 15 GHz -23.580 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
MSG
STATUS

14 Antenna Requirement

14.1 Test Standard and Requirement

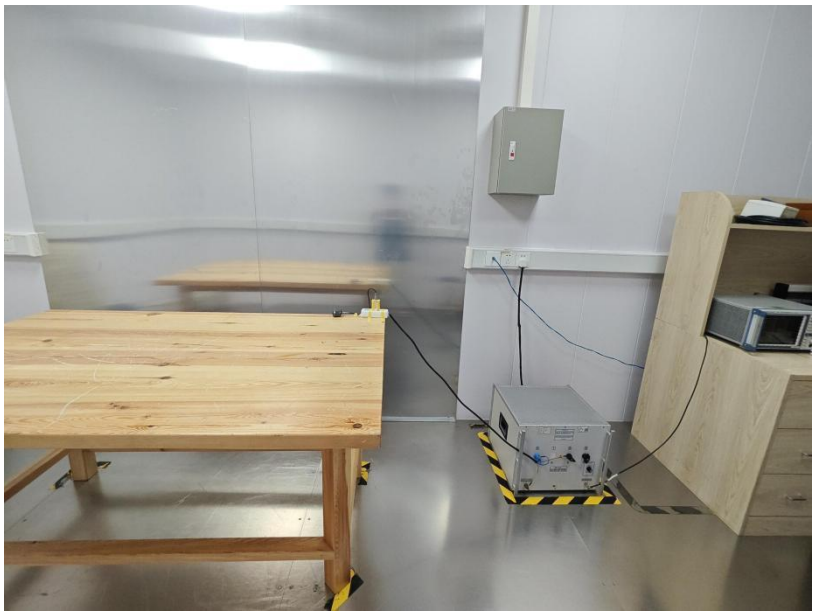
Test Standard	FCC Part15 Section 15.203 /247(c)
Requirement	1) 15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses 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

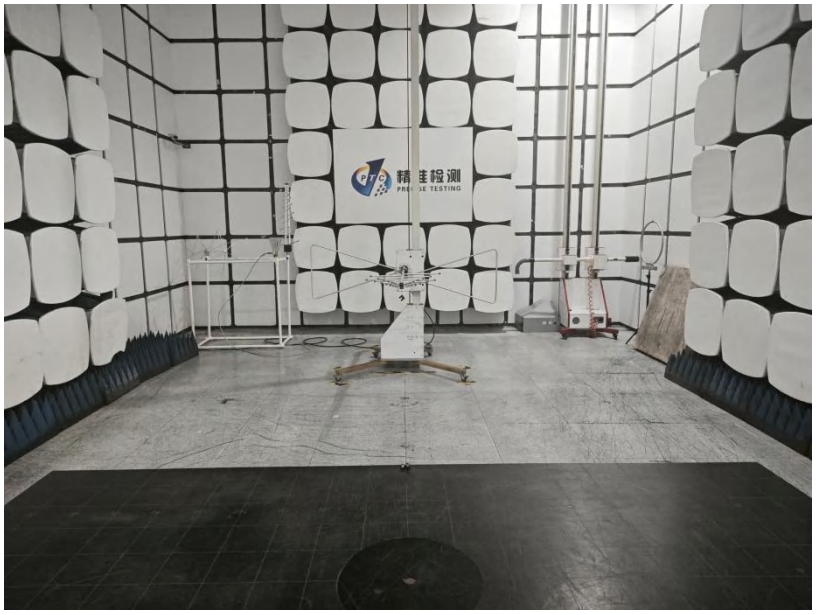
The antenna is Ceramic Antenna which permanently attached, and the best case gain of the antenna is 1.7 dBi. It complies with the standard requirement.

15 APPENDIX I -- TEST SETUP PHOTOGRAPH

Conducted Emissions



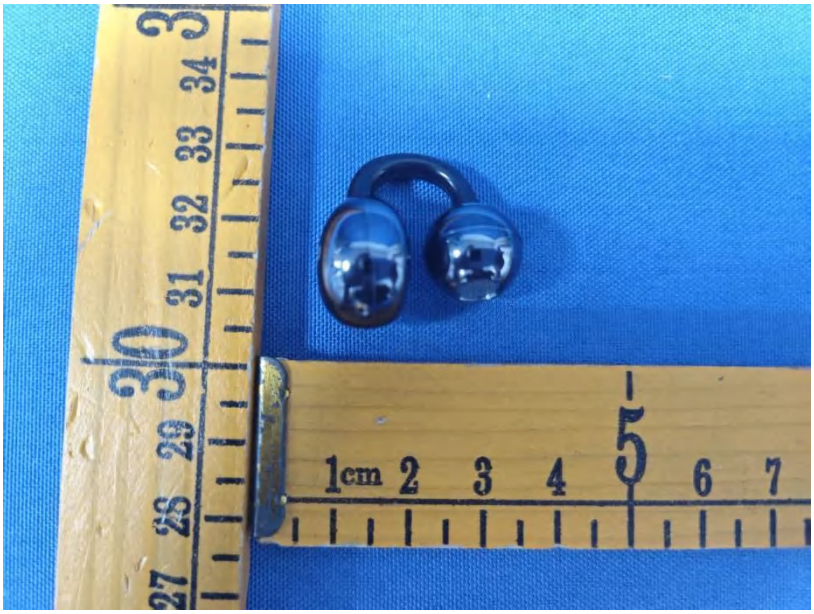
Radiated Emissions
From 30M-1GHz

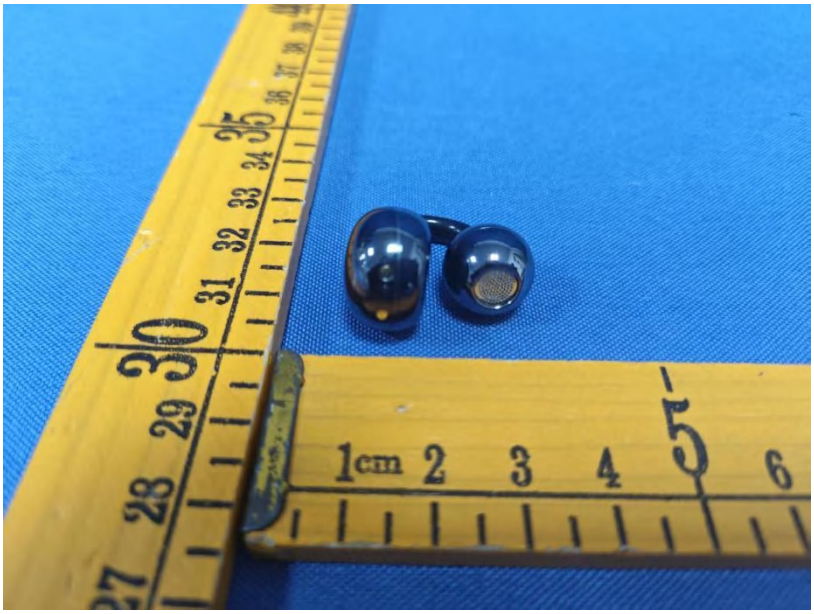


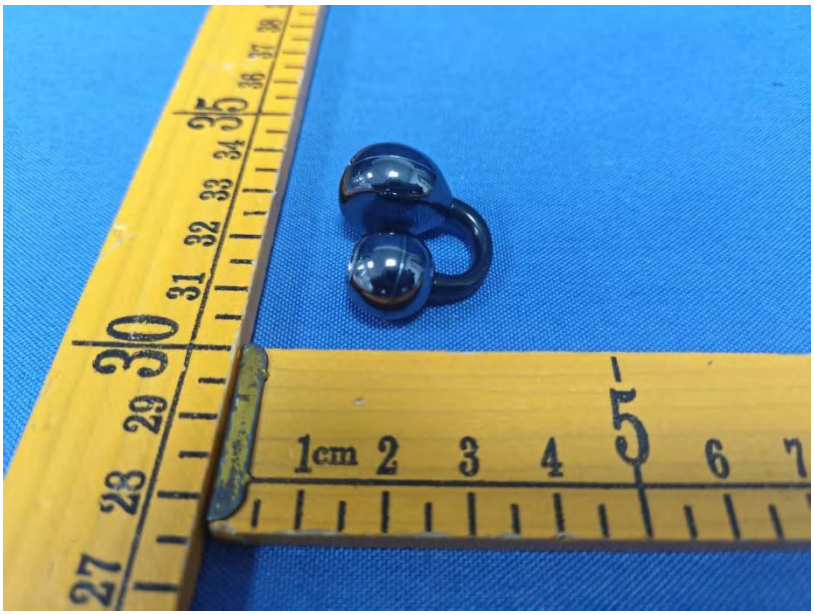
Above 1GHz

16 APPENDIX II -- EUT PHOTOGRAPH

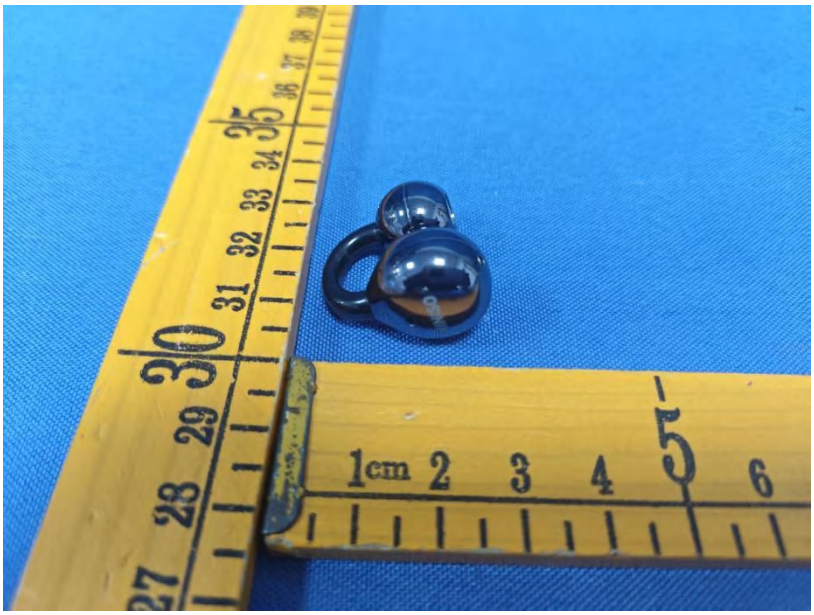
L:

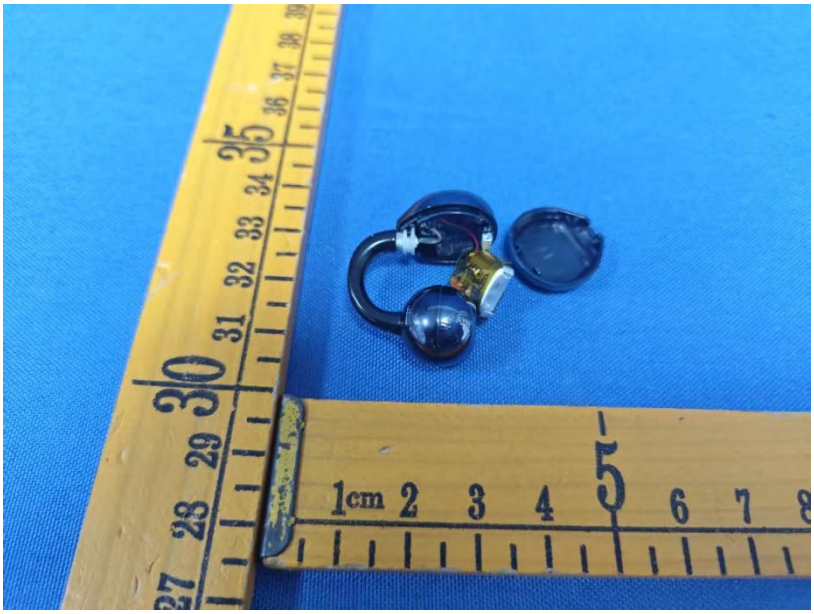


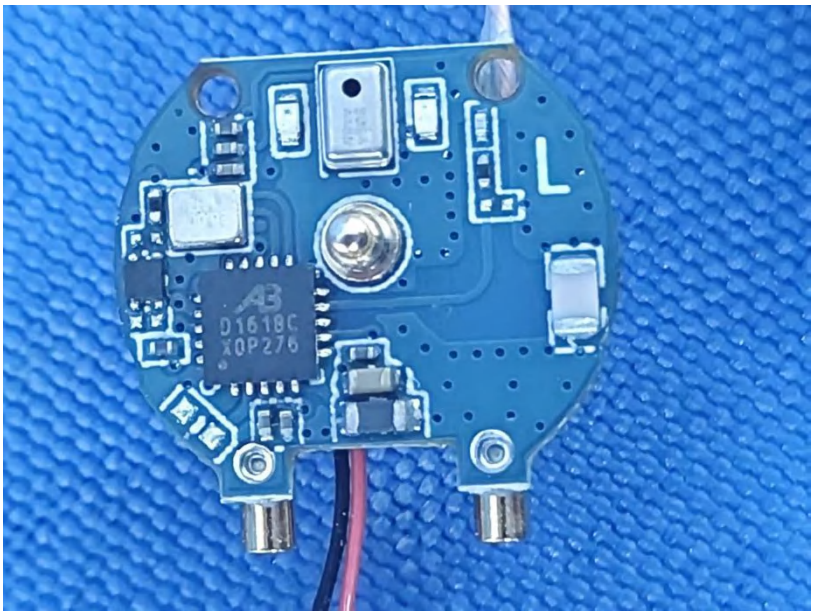

1cm 2 3 4 5 6

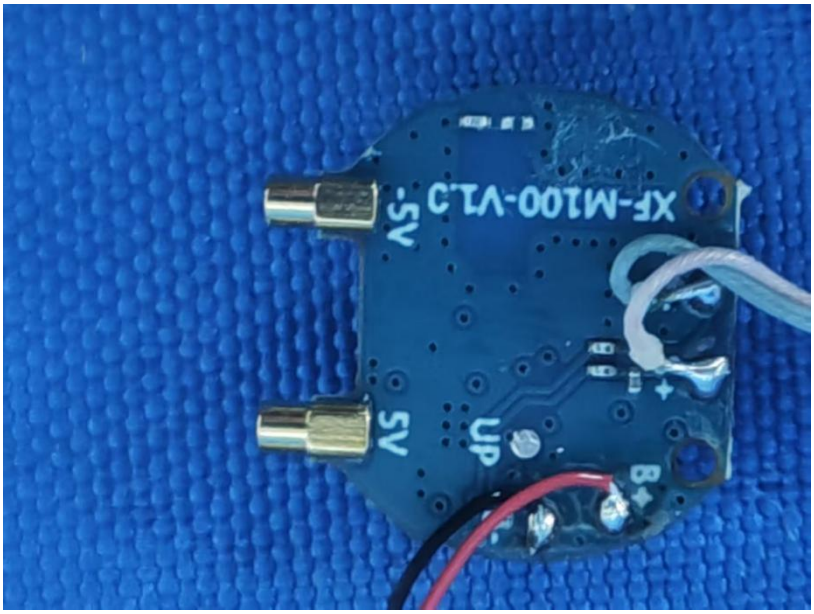

1cm 2 3 4 5 6

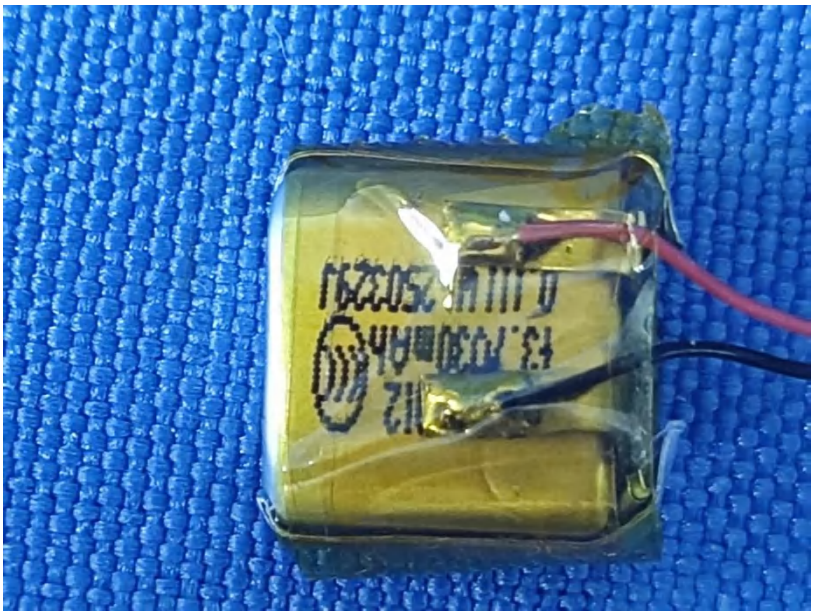

1cm 2 3 4 5 6

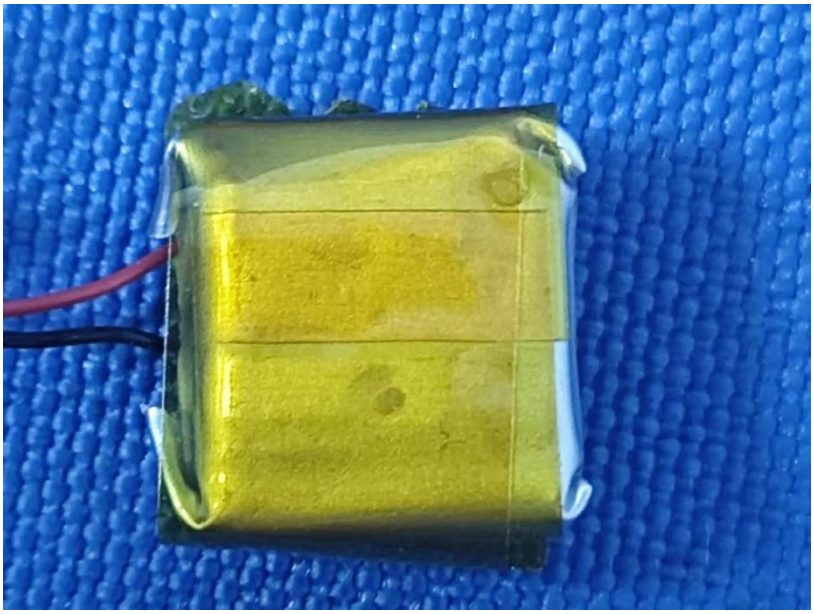

1cm 2 3 4 5 6


1cm 2 3 4 5 6 7

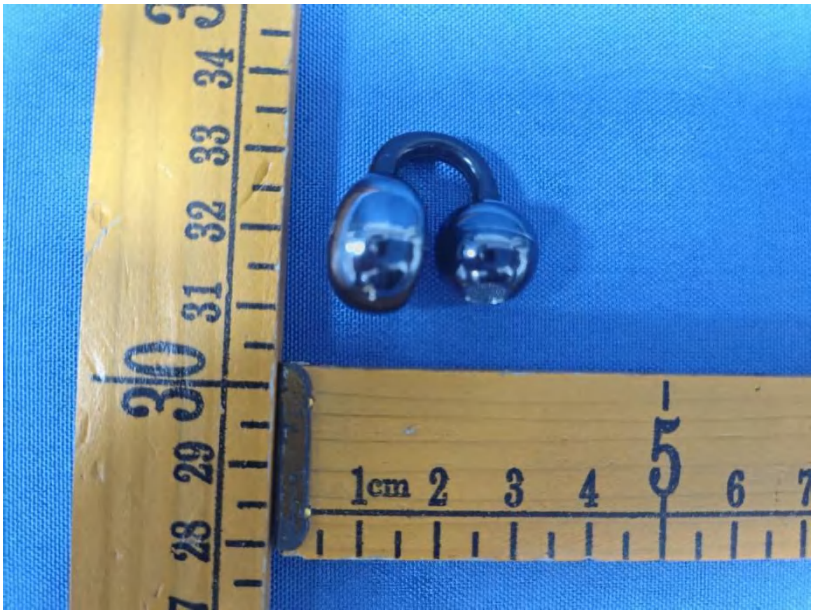

L
D1618C
XOP276

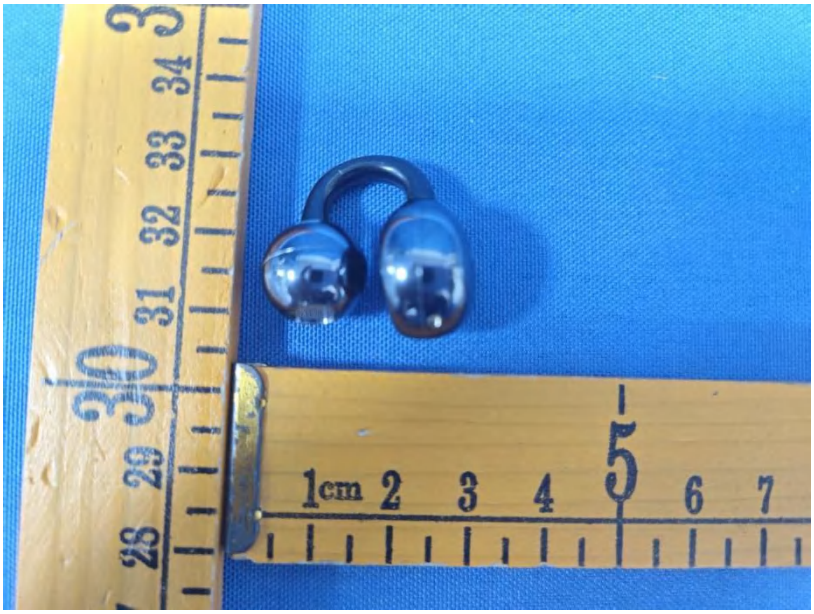

XF-M100-V1.3
5V
5V
UP



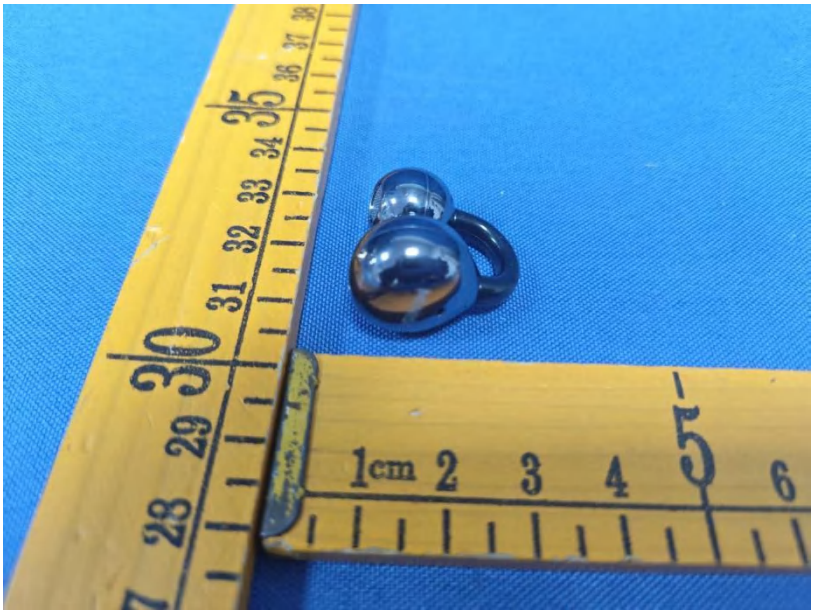


R:

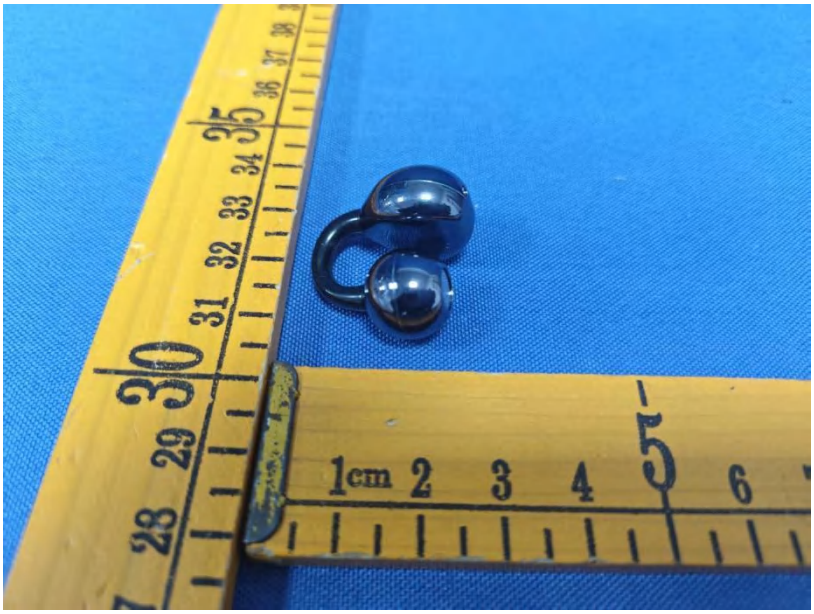


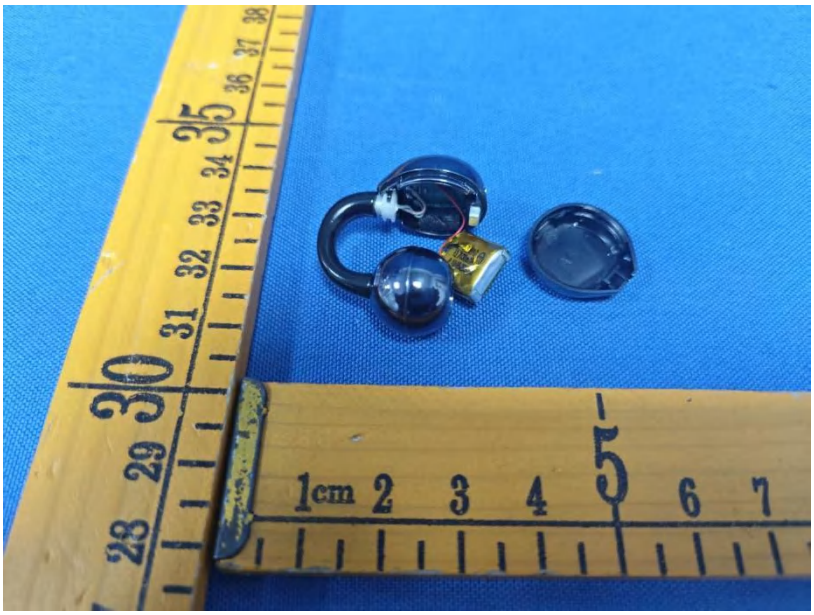

1cm 2 3 4 6 7

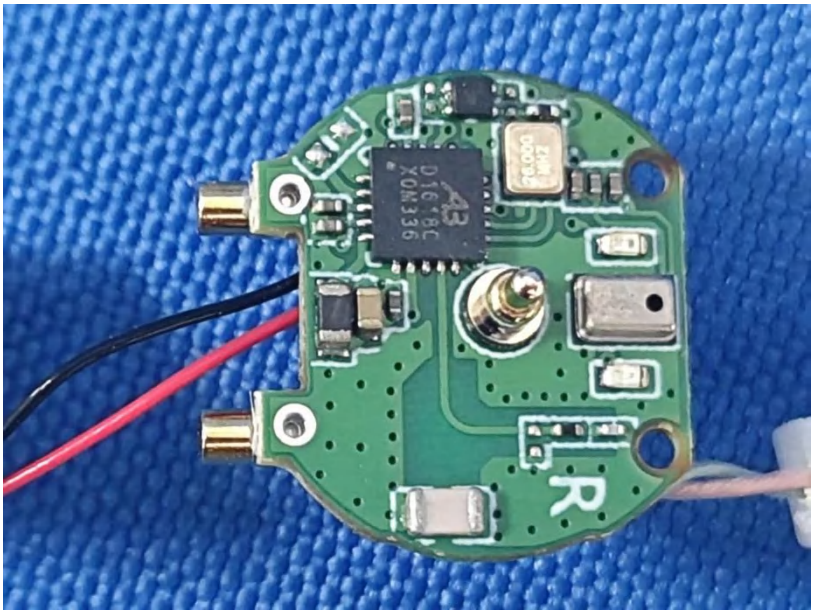

1cm 2 3 4

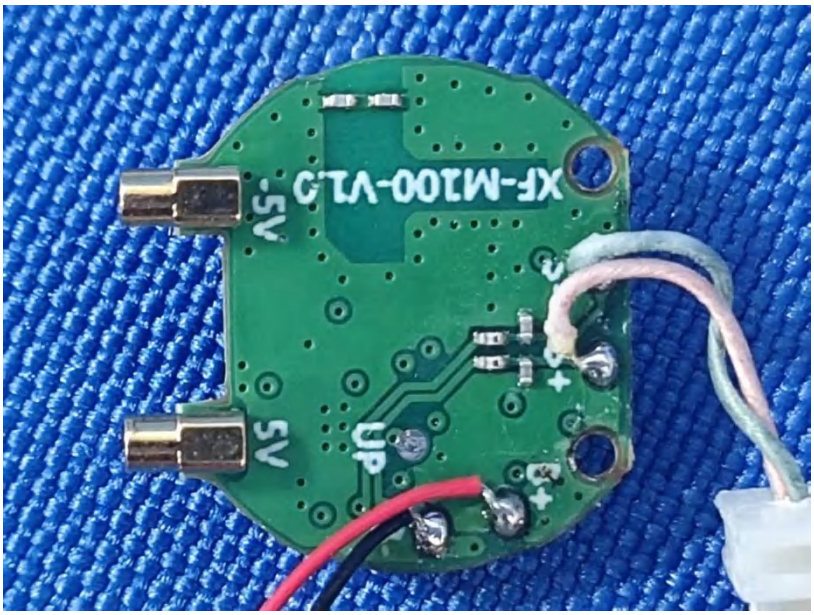

1cm 2 3 4 6

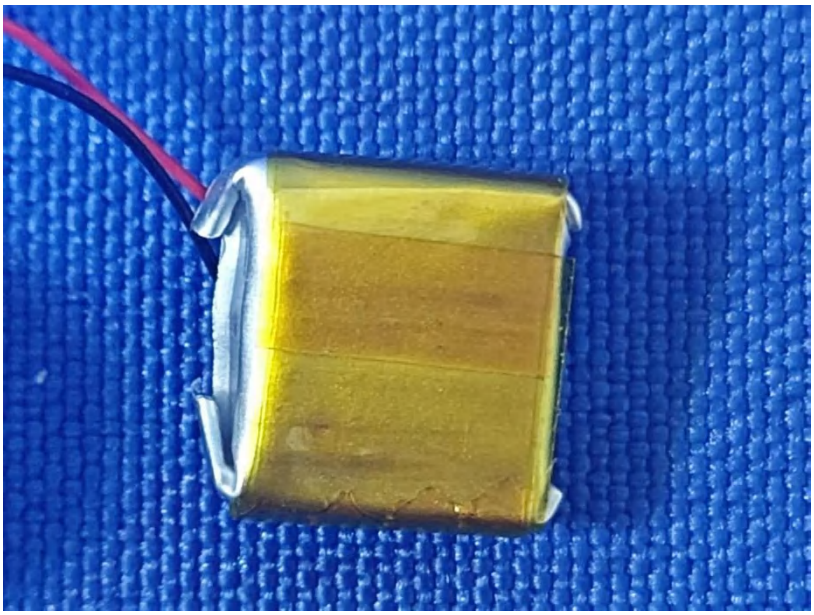

1cm 2 3 4 6


1cm 2 3 4 5 6


1cm 2 3 4 5 6 7


R


XF-M100-V1.3
5V
5V
UP



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