



Conducted Emission Method

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	4.62	4.62	---	PASS
DH5	Ant1	2402	30~1000	4.62	-55.25	≤ -15.38	PASS
DH5	Ant1	2402	1000~26500	4.62	-41.7	≤ -15.38	PASS
DH5	Ant1	2441	0~Reference	4.39	4.39	---	PASS
DH5	Ant1	2441	30~1000	4.39	-55.04	≤ -15.61	PASS
DH5	Ant1	2441	1000~26500	4.39	-42.18	≤ -15.61	PASS
DH5	Ant1	2480	0~Reference	4.02	4.02	---	PASS
DH5	Ant1	2480	30~1000	4.02	-54.31	≤ -15.98	PASS
DH5	Ant1	2480	1000~26500	4.02	-42.4	≤ -15.98	PASS
2DH5	Ant1	2402	0~Reference	-0.59	-0.59	---	PASS
2DH5	Ant1	2402	30~1000	-0.59	-54.74	≤ -20.59	PASS
2DH5	Ant1	2402	1000~26500	-0.59	-42.24	≤ -20.59	PASS
2DH5	Ant1	2441	0~Reference	0.48	0.48	---	PASS
2DH5	Ant1	2441	30~1000	0.48	-55.14	≤ -19.52	PASS
2DH5	Ant1	2441	1000~26500	0.48	-41.76	≤ -19.52	PASS
2DH5	Ant1	2480	0~Reference	1.68	1.68	---	PASS
2DH5	Ant1	2480	30~1000	1.68	-53.65	≤ -18.32	PASS
2DH5	Ant1	2480	1000~26500	1.68	-42.97	≤ -18.32	PASS
3DH5	Ant1	2402	0~Reference	1.37	1.37	---	PASS
3DH5	Ant1	2402	30~1000	1.37	-53.78	≤ -18.63	PASS
3DH5	Ant1	2402	1000~26500	1.37	-38.49	≤ -18.63	PASS
3DH5	Ant1	2441	0~Reference	1.70	1.70	---	PASS
3DH5	Ant1	2441	30~1000	1.70	-54.17	≤ -18.3	PASS
3DH5	Ant1	2441	1000~26500	1.70	-42.25	≤ -18.3	PASS
3DH5	Ant1	2480	0~Reference	-0.56	-0.56	---	PASS
3DH5	Ant1	2480	30~1000	-0.56	-54.34	≤ -20.56	PASS
3DH5	Ant1	2480	1000~26500	-0.56	-42.07	≤ -20.56	PASS



Test Graphs:

DH5-Ant1-2402-0~Reference-PASS



DH5-Ant1-2402-30~1000-PASS



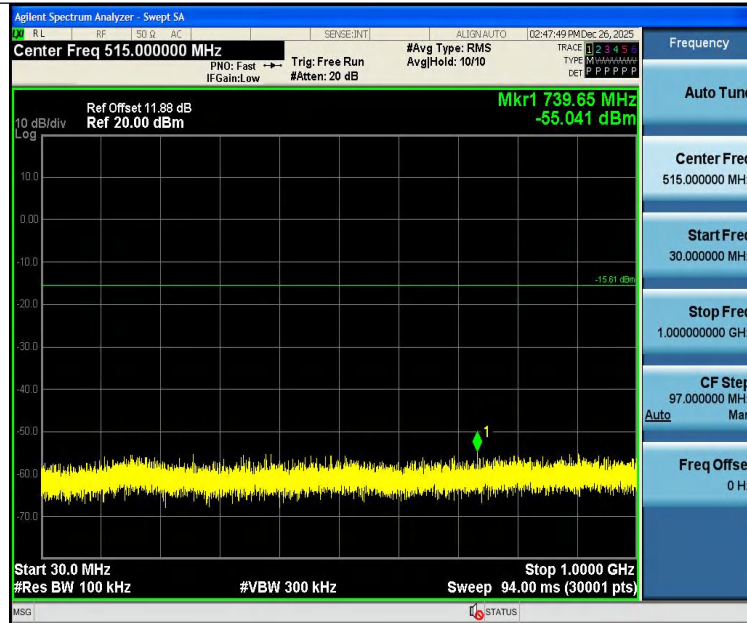
DH5-Ant1-2402-1000~26500-PASS



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



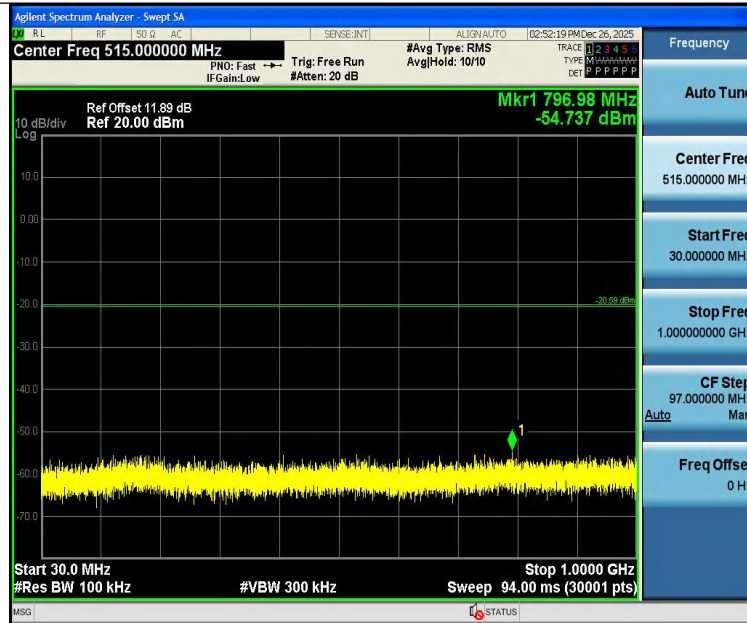
DH5-Ant1-2480-1000~26500-PASS



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



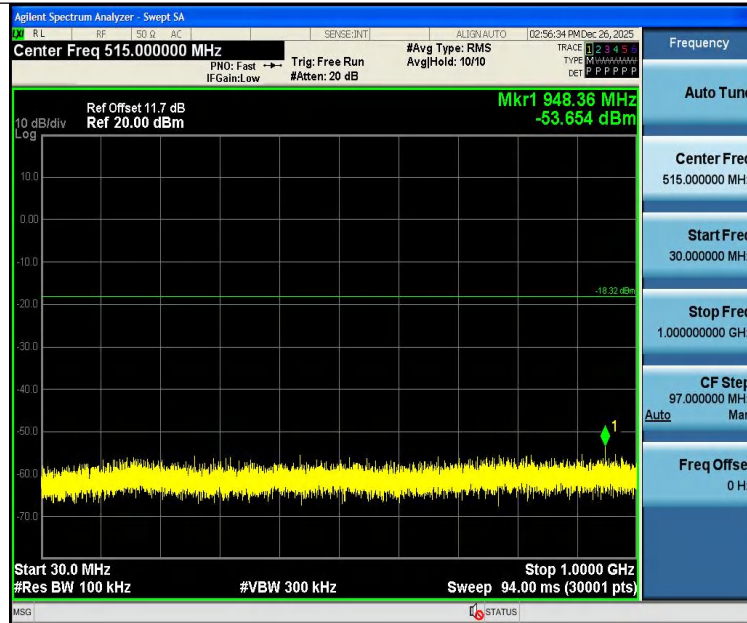
2DH5-Ant1-2441-1000~26500-PASS



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



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



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



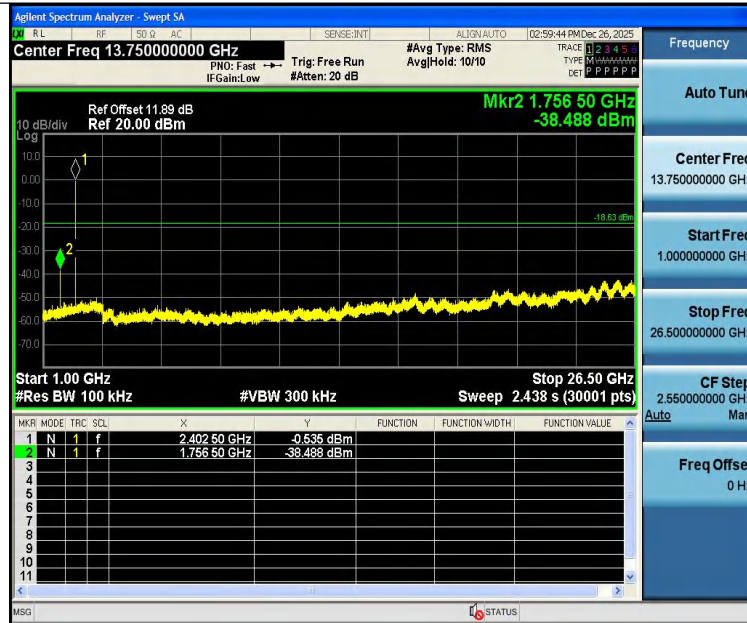
3DH5-Ant1-2402-0~Reference-PASS



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



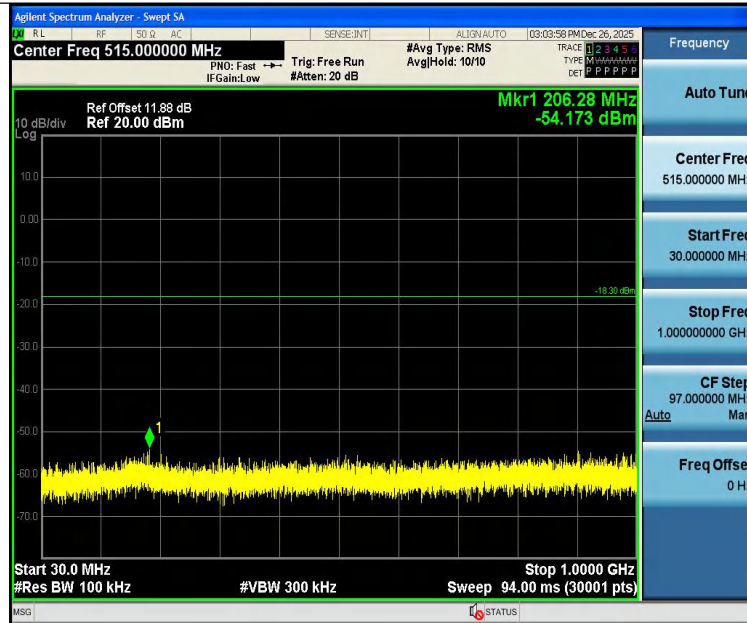
3DH5-Ant1-2402-1000~26500-PASS



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



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



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



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



Report No.: PTC25092909801E-FC01



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



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





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

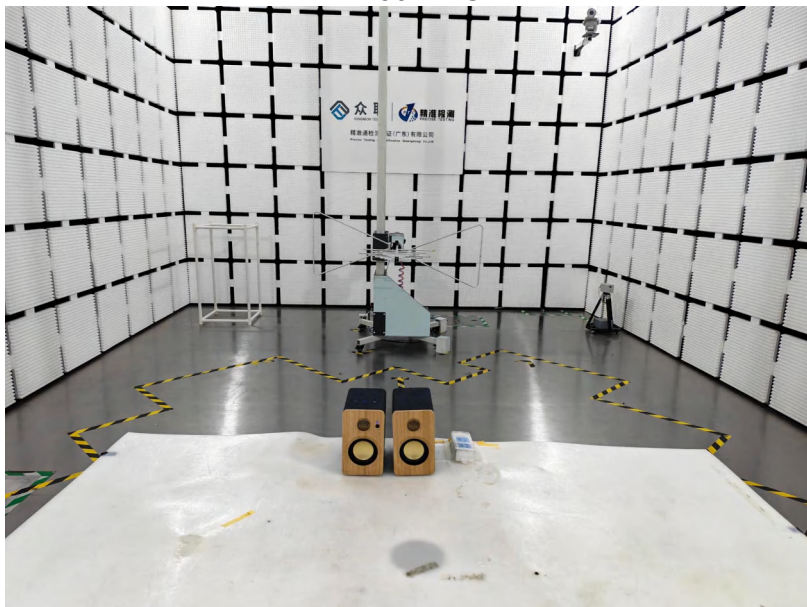
The antenna is PCB antenna which permanently attached, and the best case gain of the antenna is 1.7 dBi. It complies with the standard requirement.

15 APPENDIX I -- TEST SETUP PHOTOGRAPH

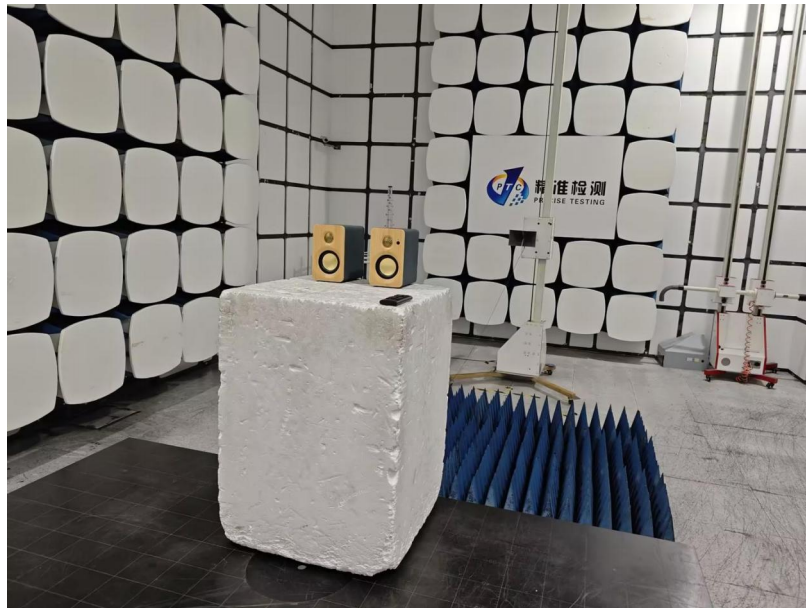
Conducted Emissions



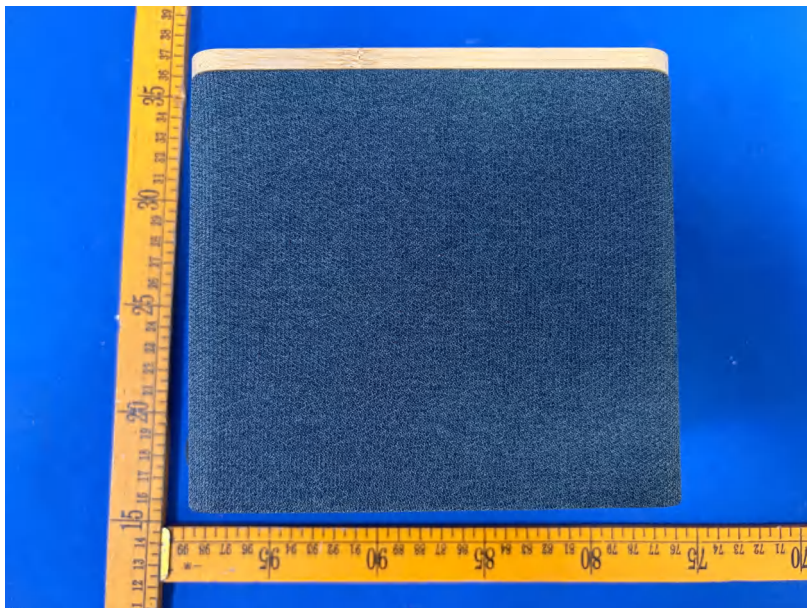
Radiated Emissions
From 30M-1GHz

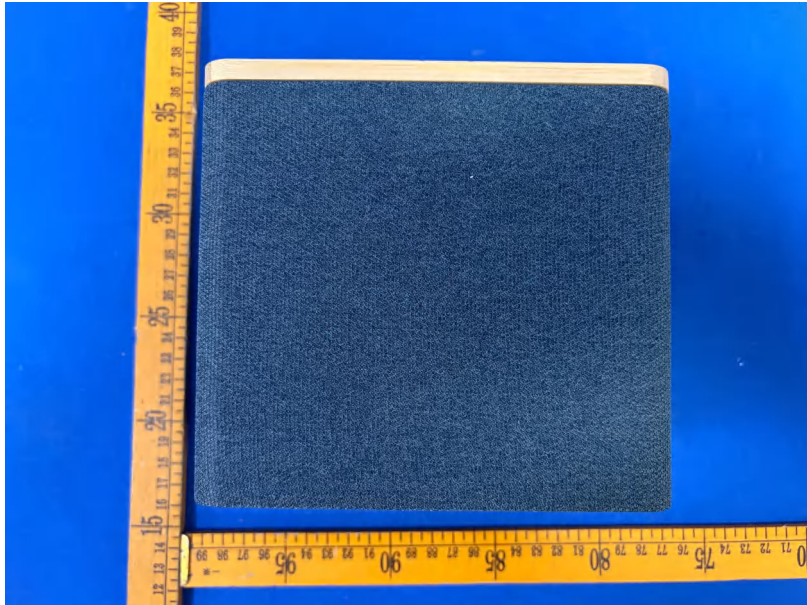


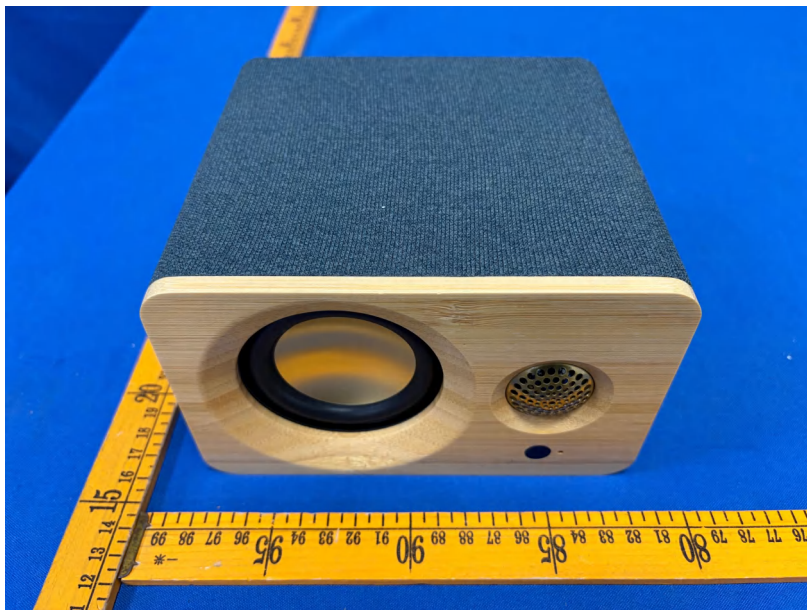
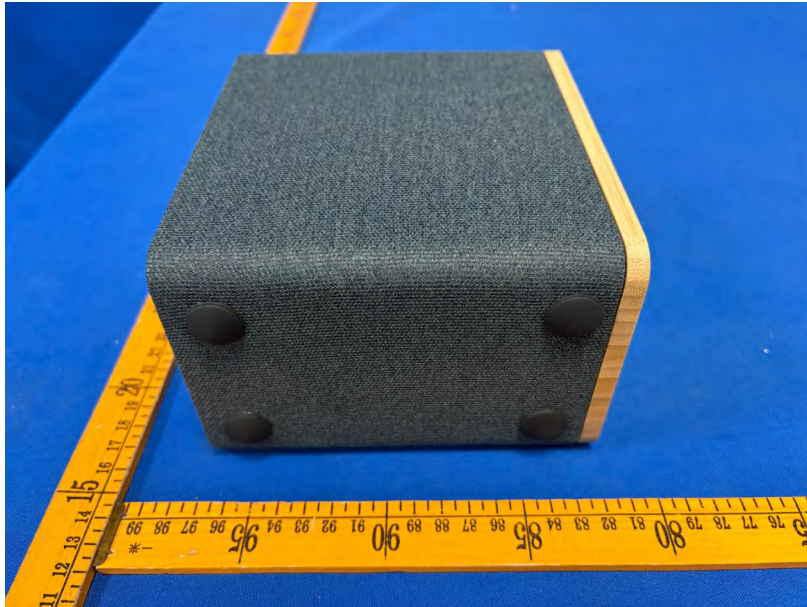
Above 1GHz

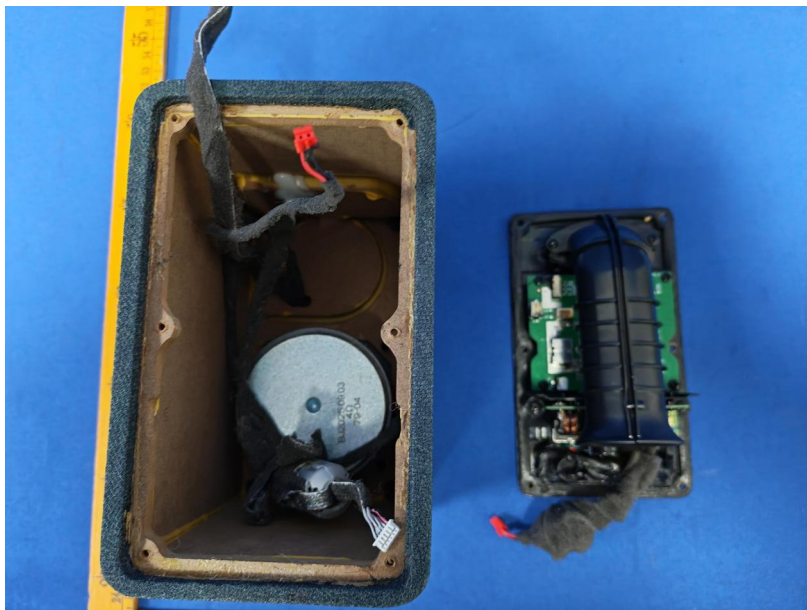
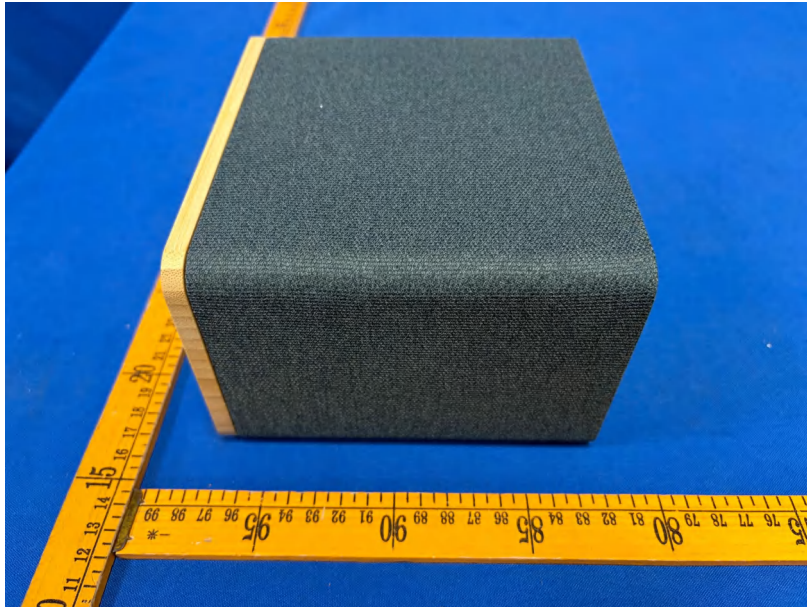


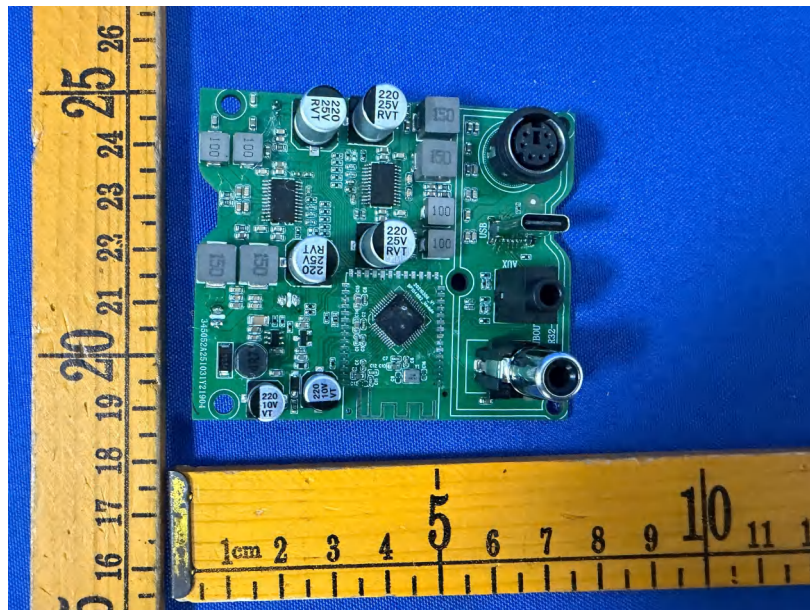
16 APPENDIX II -- EUT PHOTOGRAPH

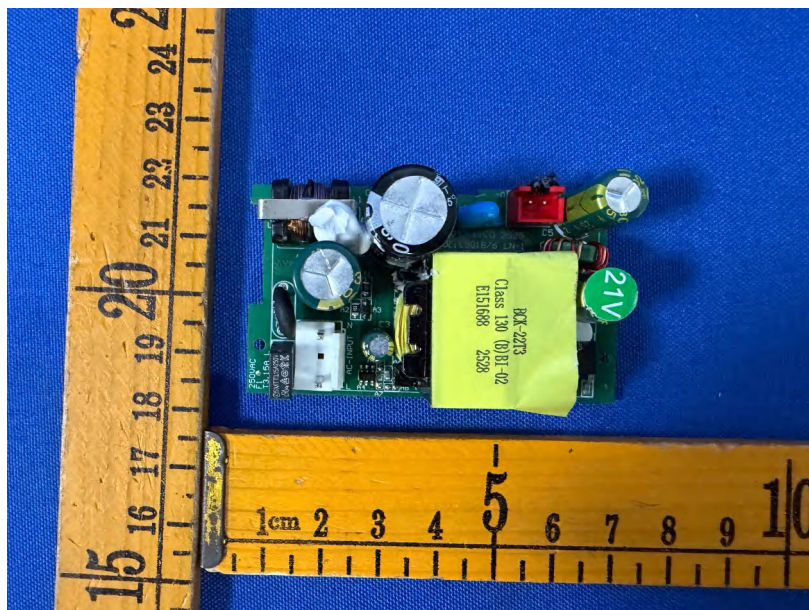
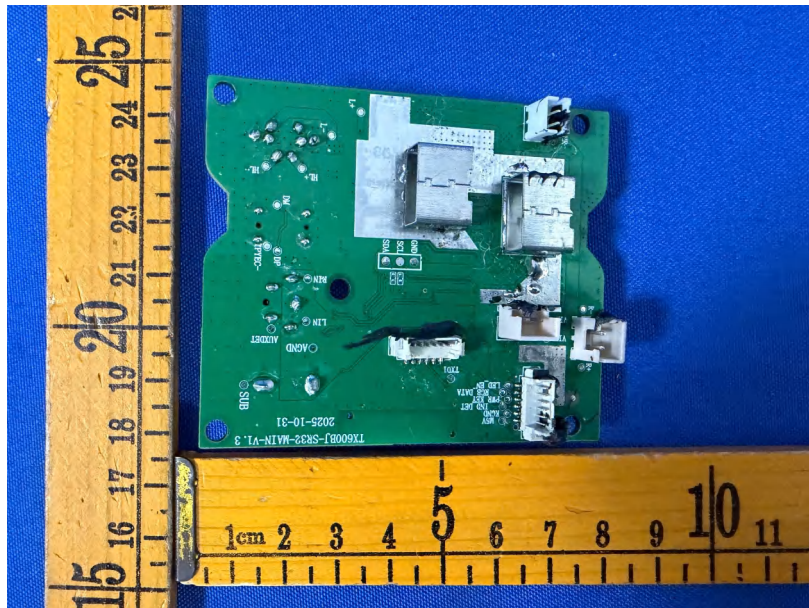


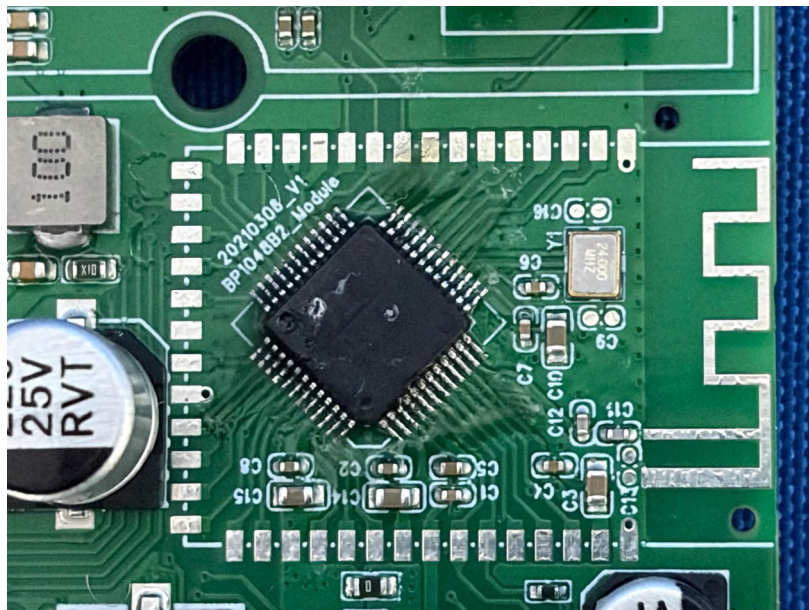
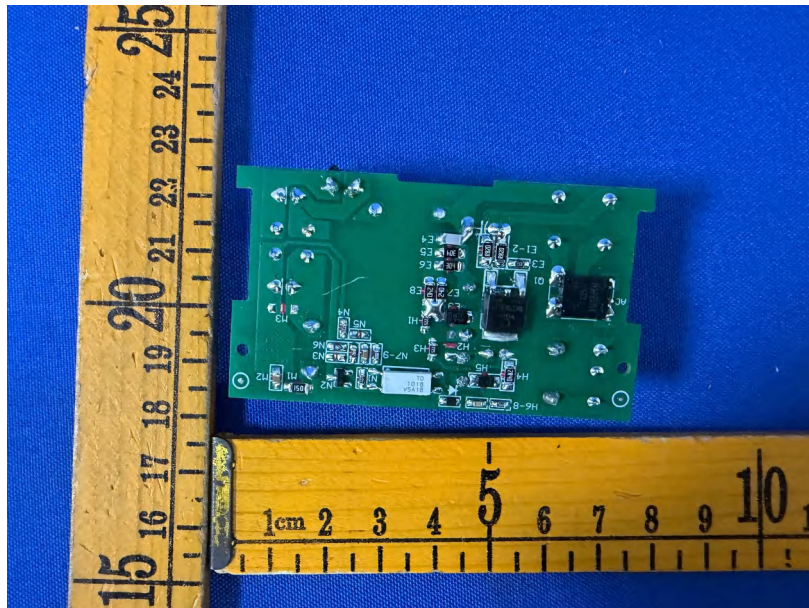












*****THE END REPORT*****