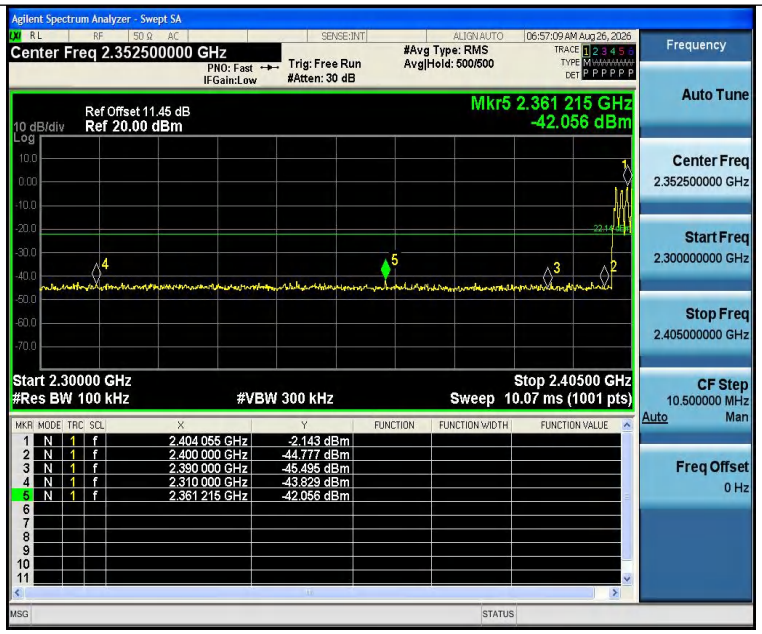
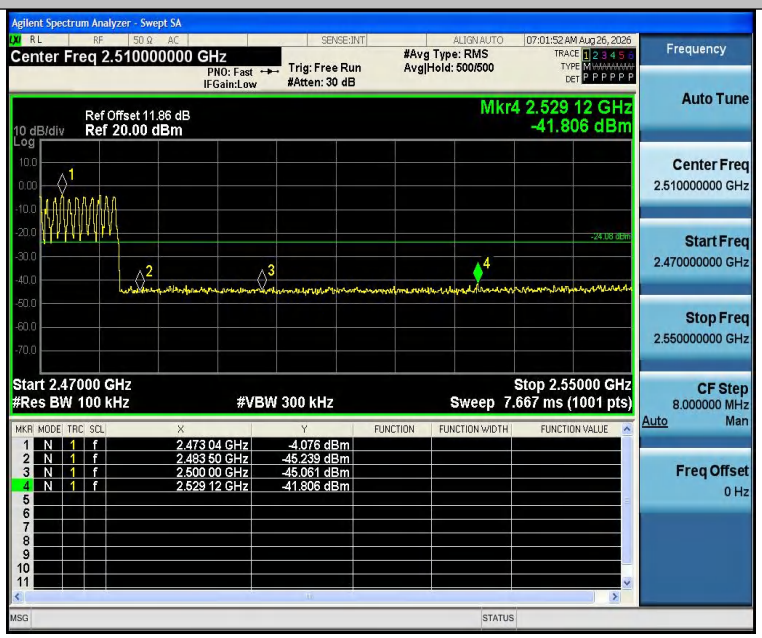
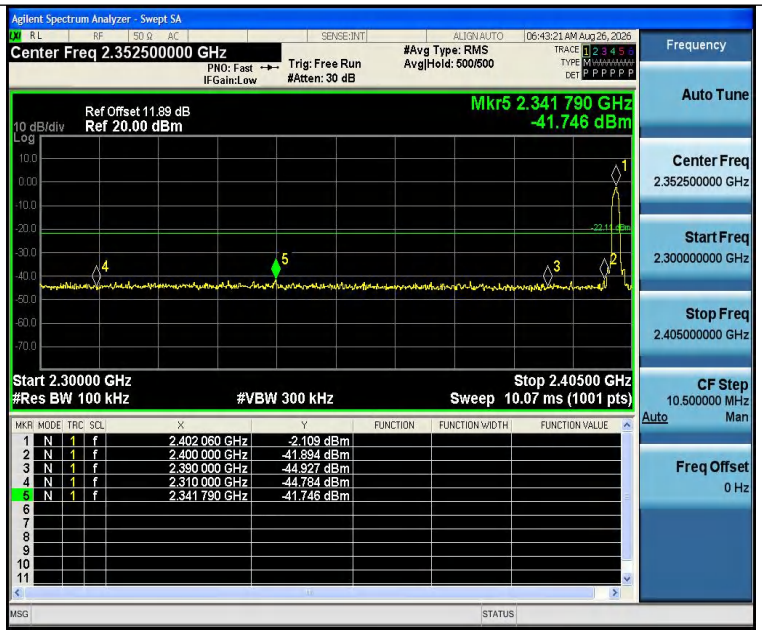


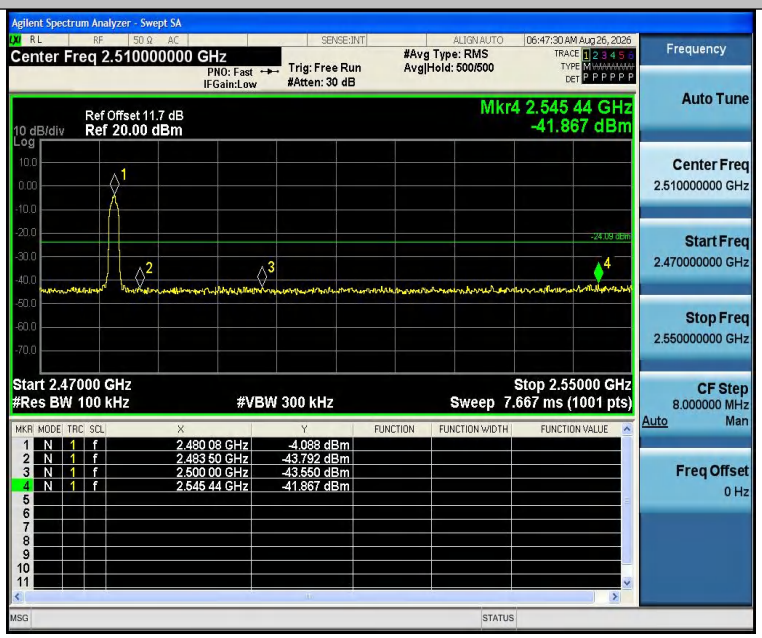
DH5-Ant1-Hop_2480-PASS



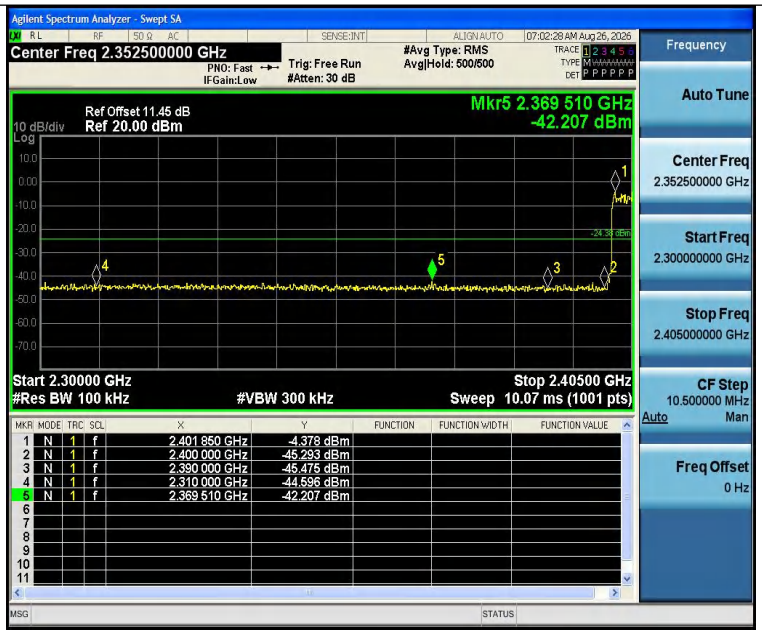
2DH5-Ant1-2402-PASS



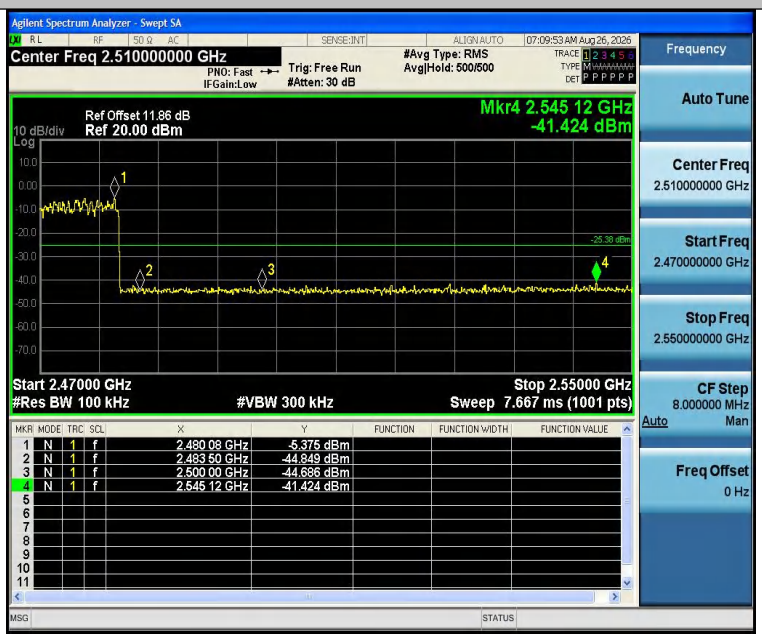
2DH5-Ant1-2480-PASS



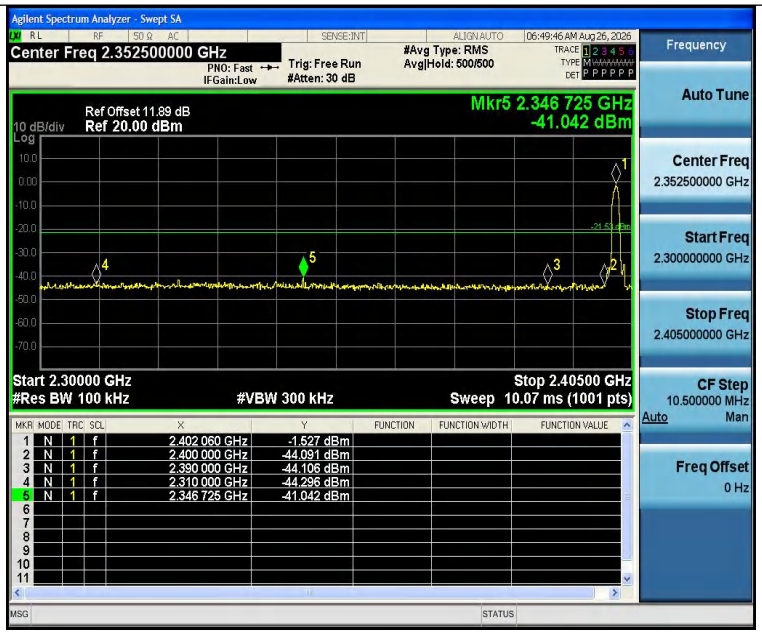
2DH5-Ant1-Hop_2402-PASS



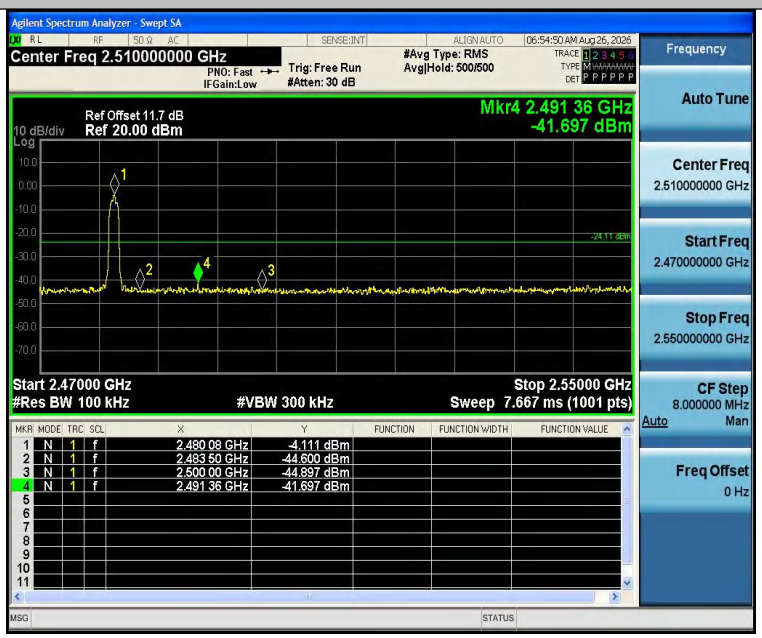
2DH5-Ant1-Hop_2480-PASS



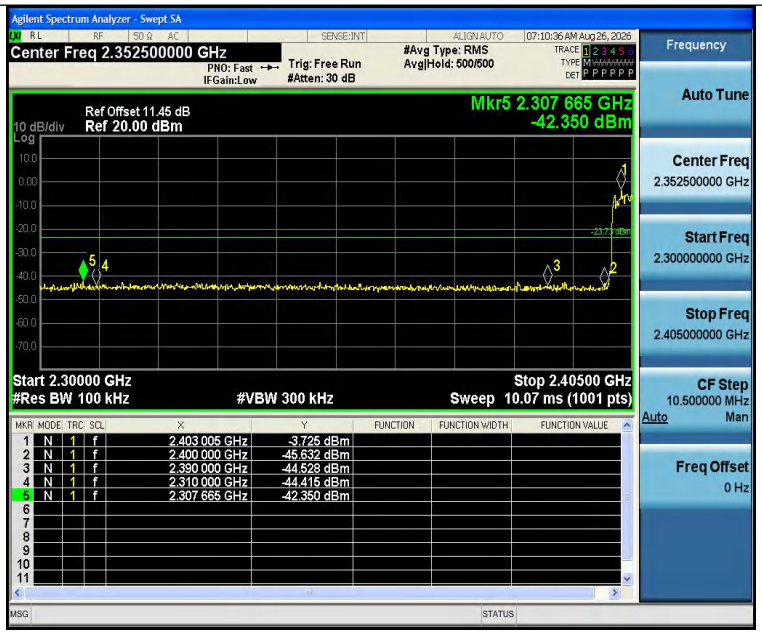
3DH5-Ant1-2402-PASS



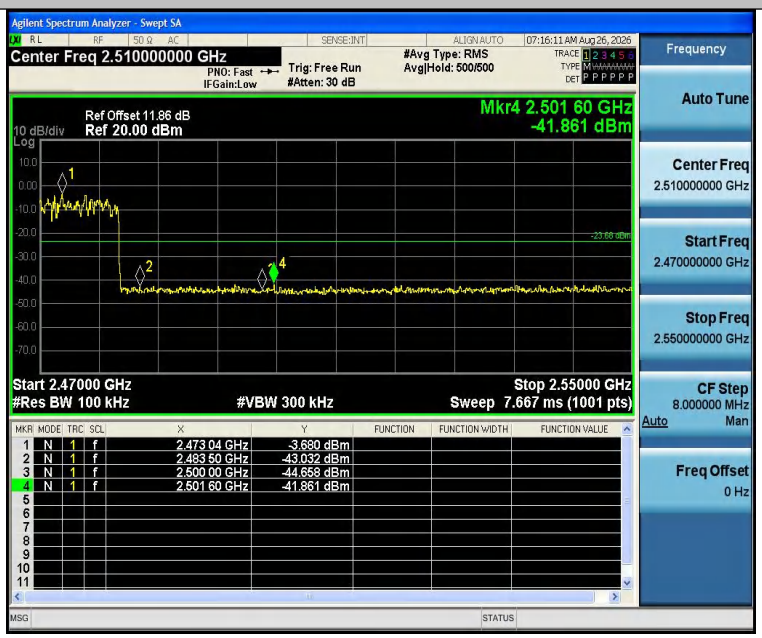
3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS



3DH5-Ant1-Hop_2480-PASS



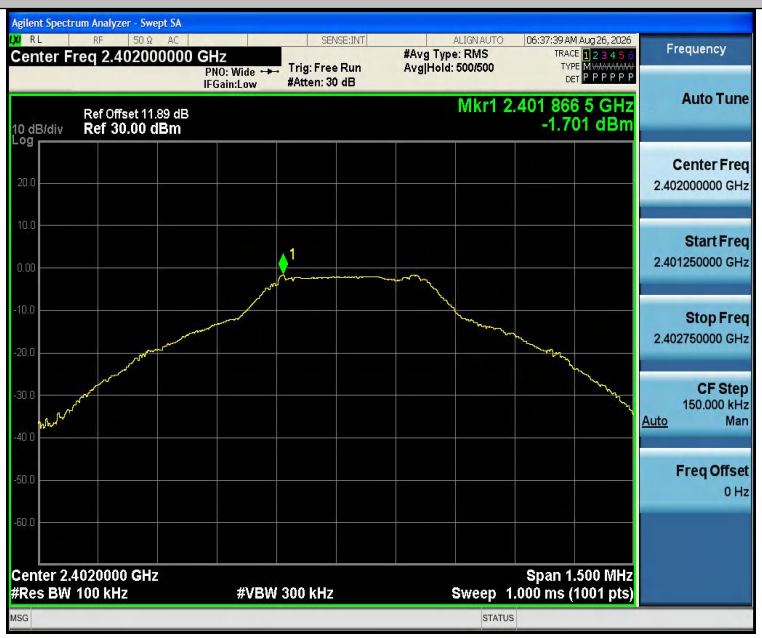
Conducted Emission Method

Test Result

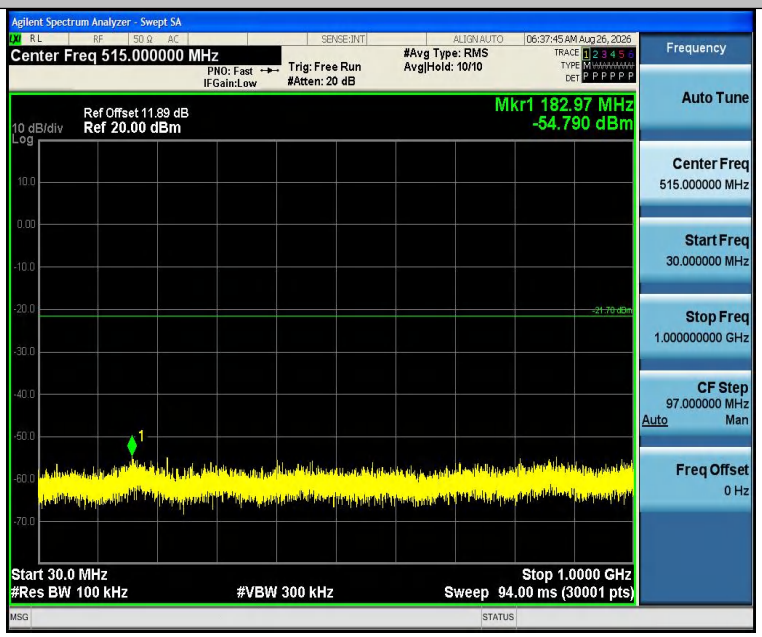
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-1.70	-1.70	---	PASS
DH5	Ant1	2402	30~1000	-1.70	-54.79	≤-21.7	PASS
DH5	Ant1	2402	1000~26500	-1.70	-41.29	≤-21.7	PASS
DH5	Ant1	2441	0~Reference	-2.56	-2.56	---	PASS
DH5	Ant1	2441	30~1000	-2.56	-54.19	≤-22.56	PASS
DH5	Ant1	2441	1000~26500	-2.56	-42.44	≤-22.56	PASS
DH5	Ant1	2480	0~Reference	-4.07	-4.07	---	PASS
DH5	Ant1	2480	30~1000	-4.07	-54.33	≤-24.07	PASS
DH5	Ant1	2480	1000~26500	-4.07	-41.75	≤-24.07	PASS
2DH5	Ant1	2402	0~Reference	-1.72	-1.72	---	PASS
2DH5	Ant1	2402	30~1000	-1.72	-54.15	≤-21.72	PASS
2DH5	Ant1	2402	1000~26500	-1.72	-42.74	≤-21.72	PASS
2DH5	Ant1	2441	0~Reference	-3.01	-3.01	---	PASS
2DH5	Ant1	2441	30~1000	-3.01	-53.84	≤-23.01	PASS
2DH5	Ant1	2441	1000~26500	-3.01	-42.13	≤-23.01	PASS
2DH5	Ant1	2480	0~Reference	-4.44	-4.44	---	PASS
2DH5	Ant1	2480	30~1000	-4.44	-54.43	≤-24.44	PASS
2DH5	Ant1	2480	1000~26500	-4.44	-41.61	≤-24.44	PASS
3DH5	Ant1	2402	0~Reference	-1.60	-1.60	---	PASS
3DH5	Ant1	2402	30~1000	-1.60	-55.06	≤-21.6	PASS
3DH5	Ant1	2402	1000~26500	-1.60	-42.7	≤-21.6	PASS
3DH5	Ant1	2441	0~Reference	-2.63	-2.63	---	PASS
3DH5	Ant1	2441	30~1000	-2.63	-53.71	≤-22.63	PASS
3DH5	Ant1	2441	1000~26500	-2.63	-42.68	≤-22.63	PASS
3DH5	Ant1	2480	0~Reference	-4.04	-4.04	---	PASS
3DH5	Ant1	2480	30~1000	-4.04	-53.72	≤-24.04	PASS
3DH5	Ant1	2480	1000~26500	-4.04	-42.01	≤-24.04	PASS

Test Graphs:

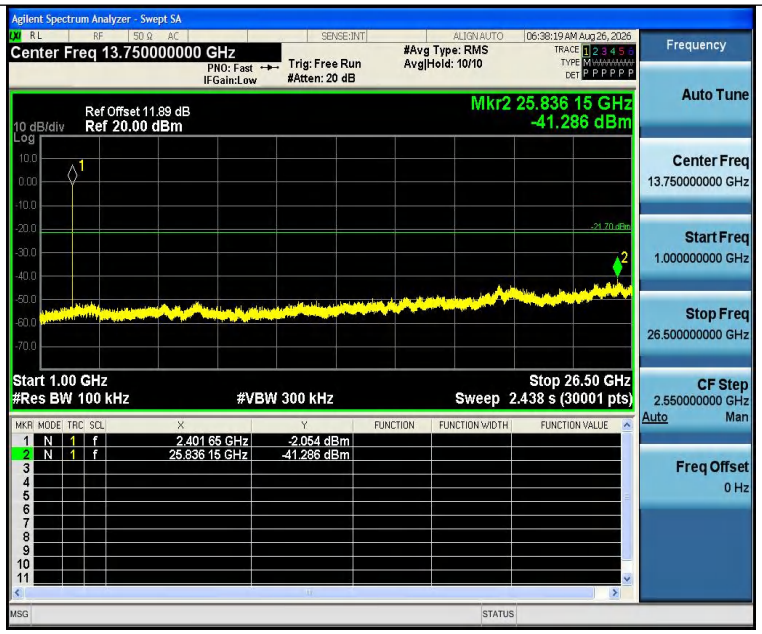
DH5-Ant1-2402-0~Reference-PASS



DH5-Ant1-2402-30~1000-PASS

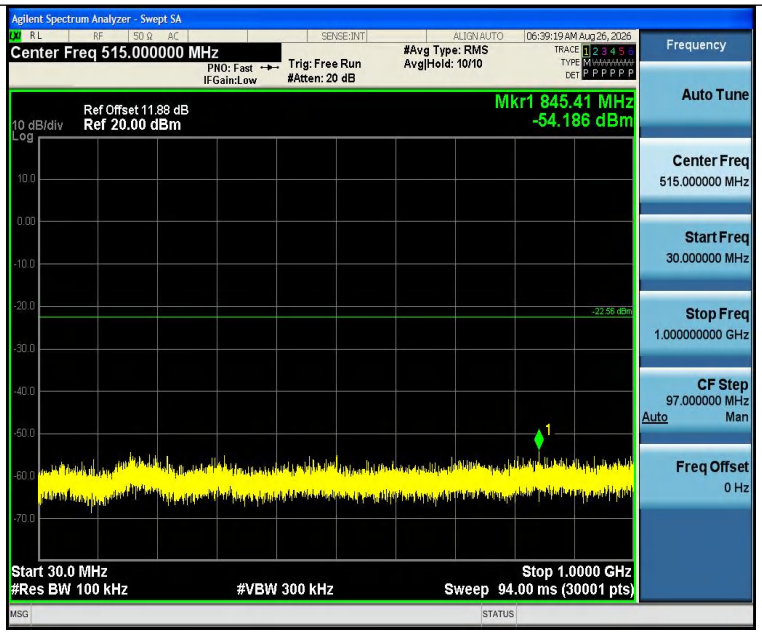


DH5-Ant1-2402-1000~26500-PASS

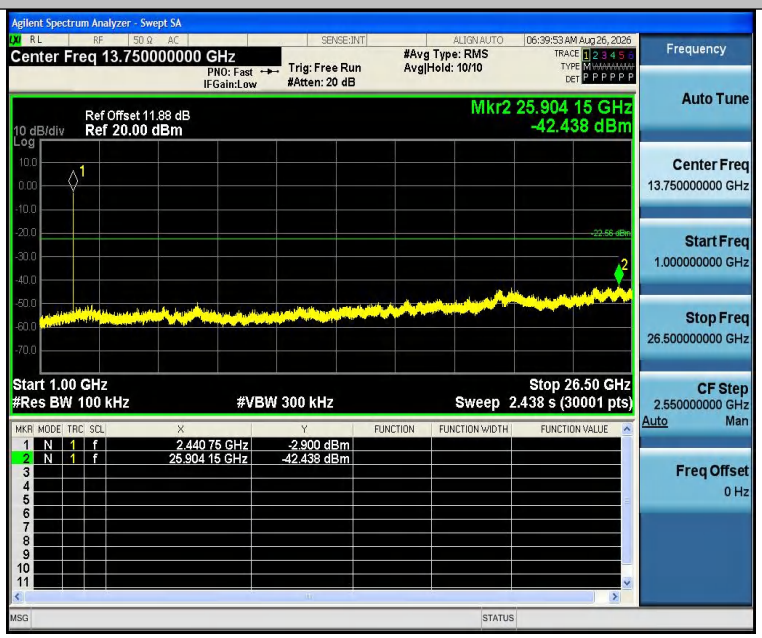


DH5-Ant1-2441-0~Reference-PASS

DH5-Ant1-2441-30~1000-PASS

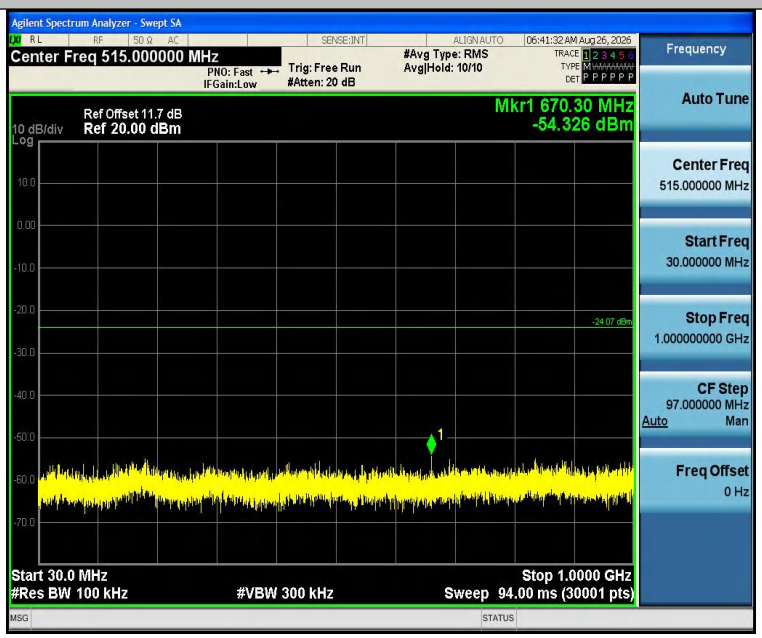


DH5-Ant1-2441-1000~26500-PASS

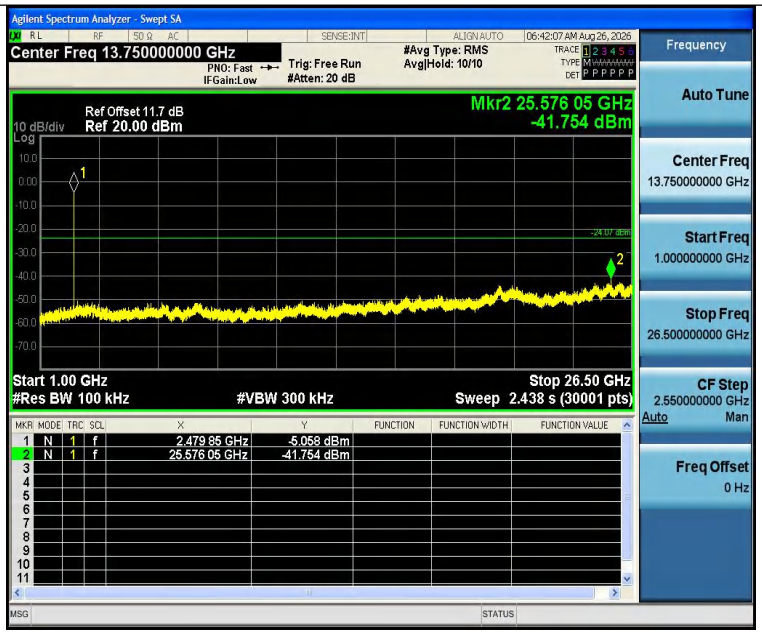


DH5-Ant1-2480-0~Reference-PASS

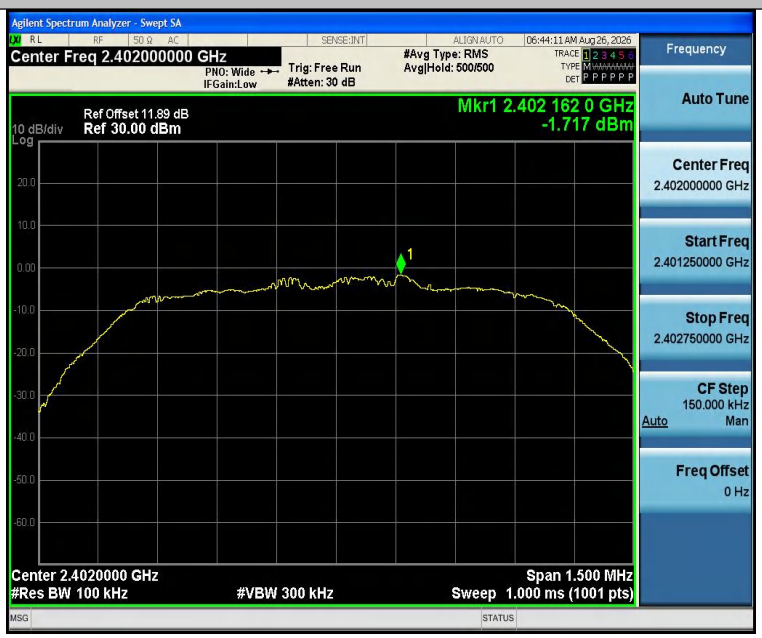
DH5-Ant1-2480-30~1000-PASS



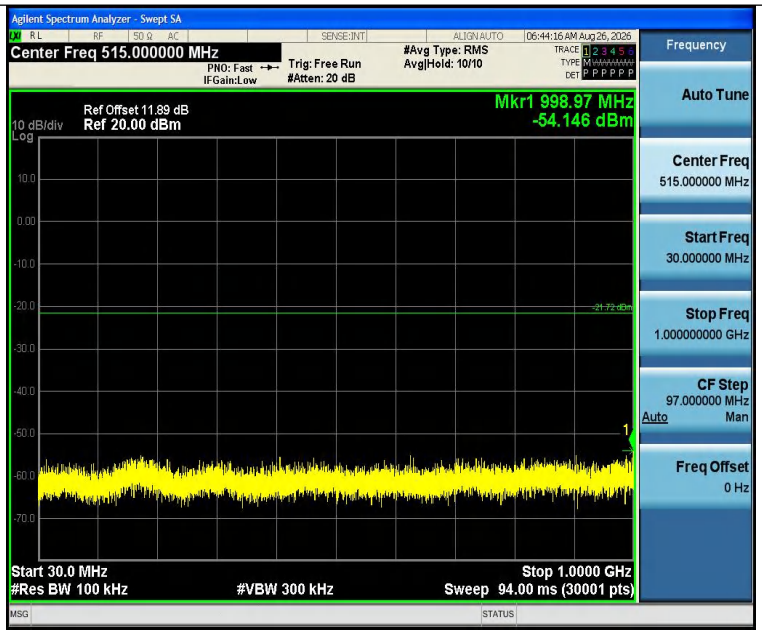
DH5-Ant1-2480-1000~26500-PASS



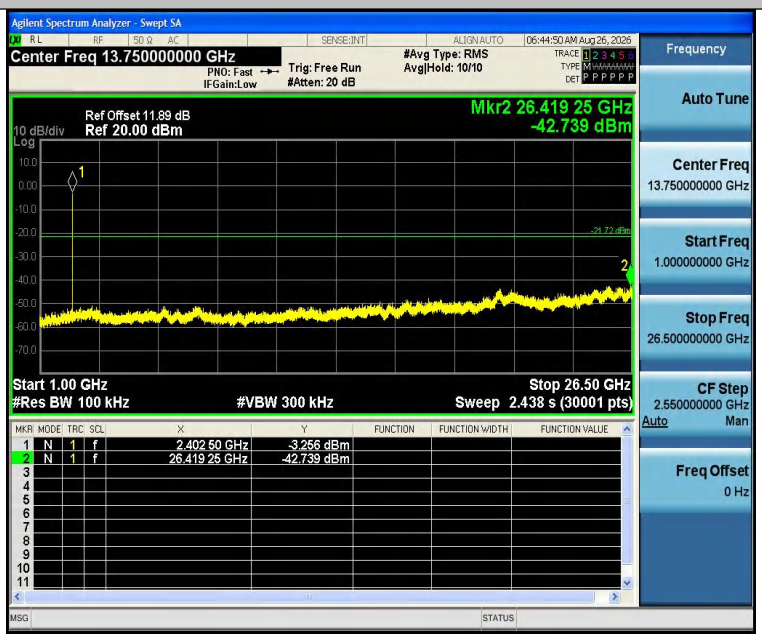
2DH5-Ant1-2402-0~Reference-PASS



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

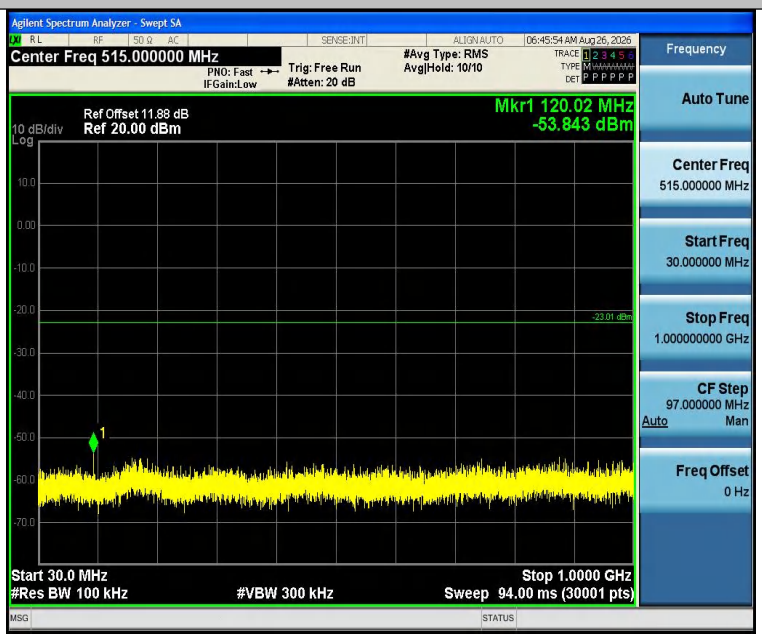


2DH5-Ant1-2402-1000~26500-PASS

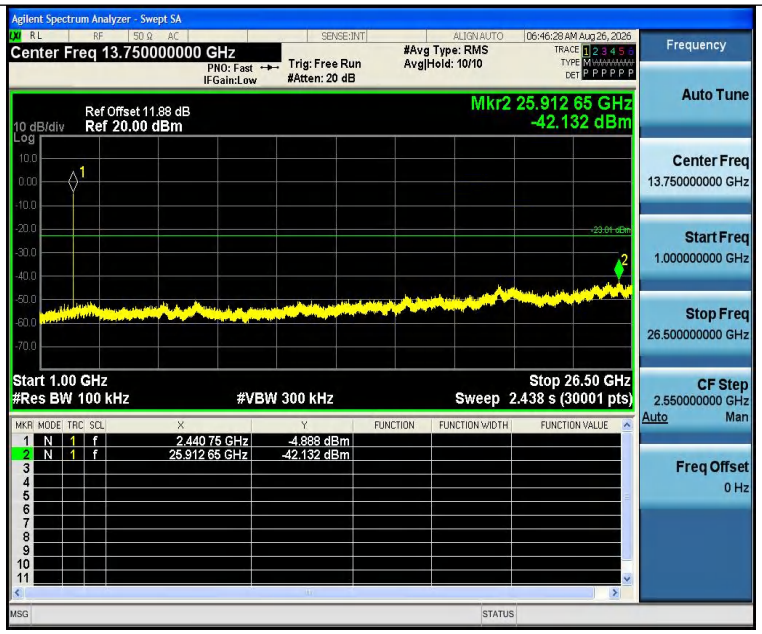


2DH5-Ant1-2441-0~Reference-PASS

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

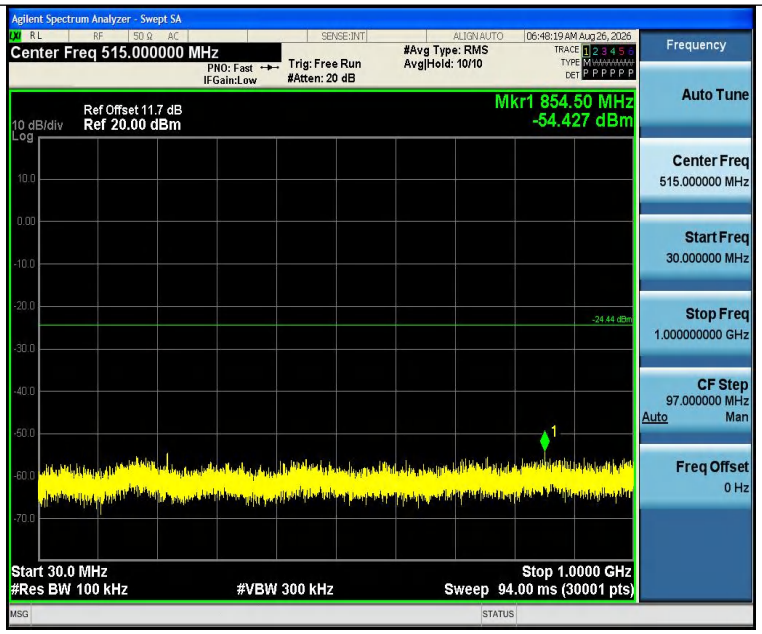


2DH5-Ant1-2441-1000~26500-PASS

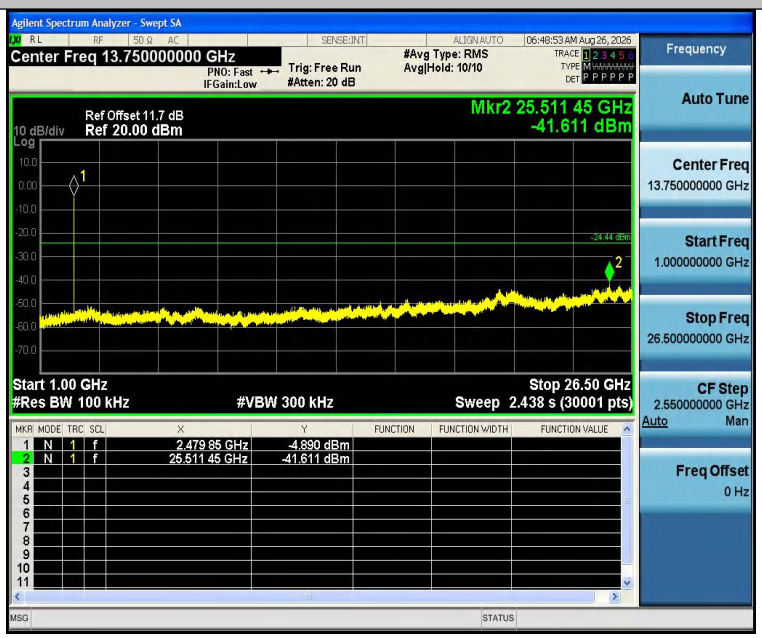


2DH5-Ant1-2480-0~Reference-PASS

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

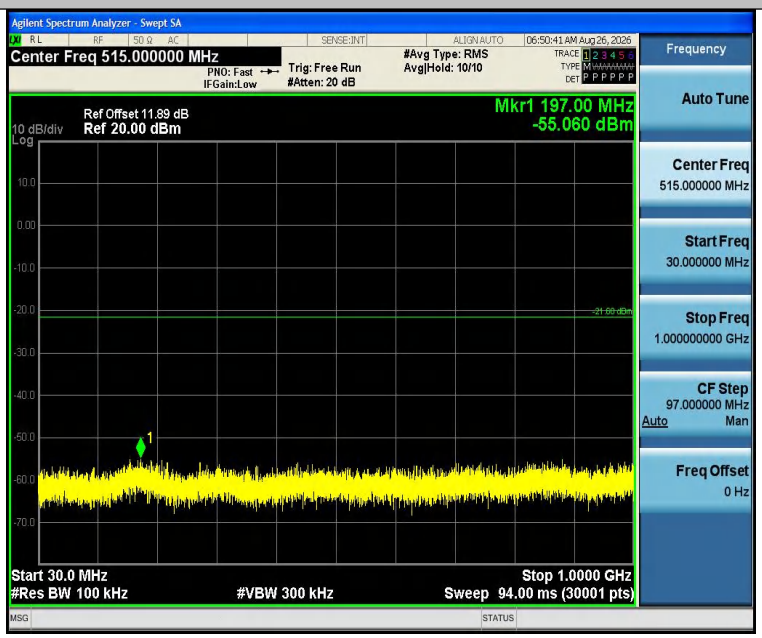


2DH5-Ant1-2480-1000~26500-PASS

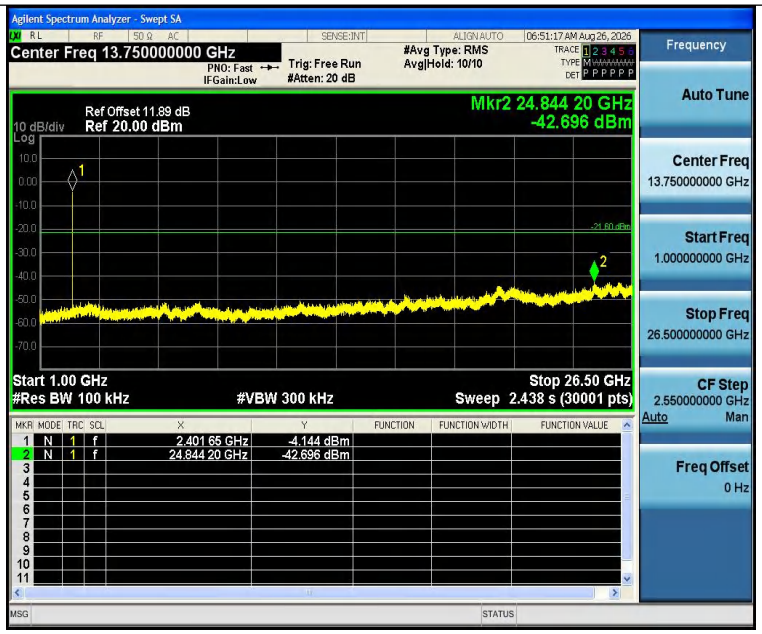


3DH5-Ant1-2402-0~Reference-PASS

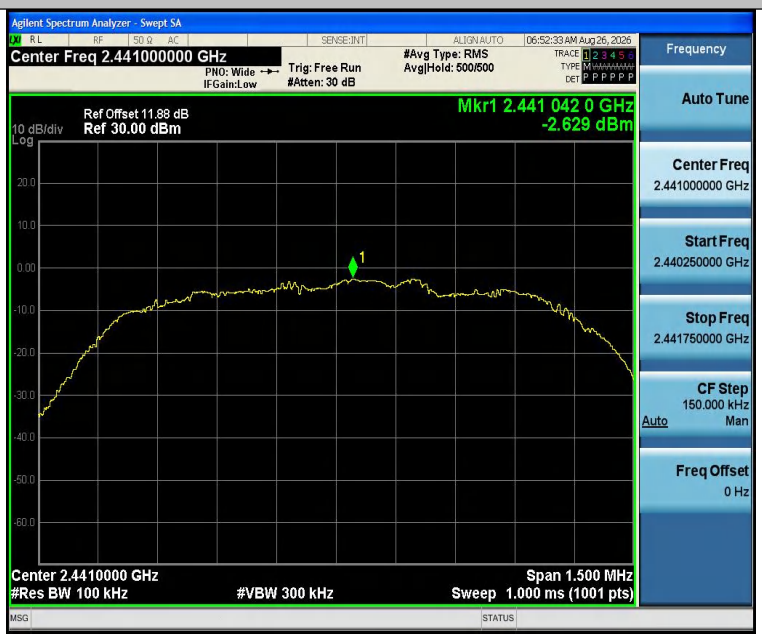
3DH5-Ant1-2402-30~1000-PASS



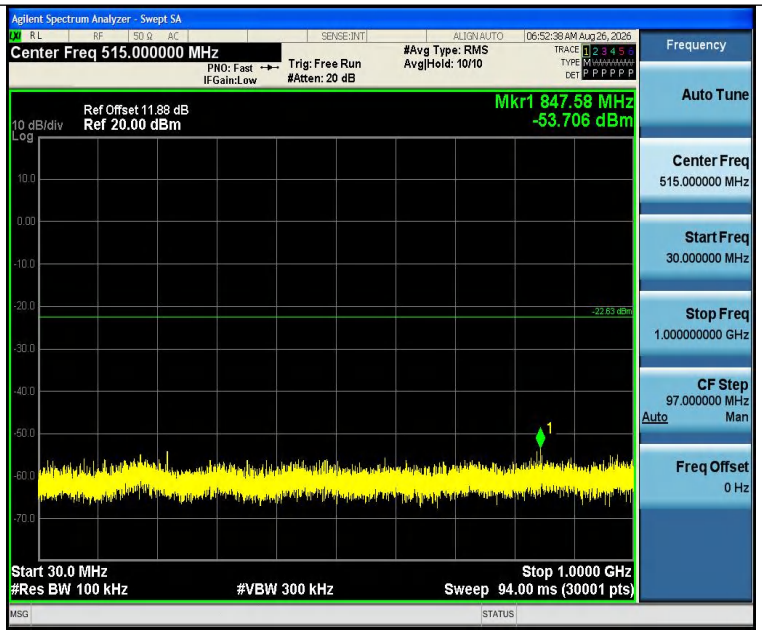
3DH5-Ant1-2402-1000~26500-PASS



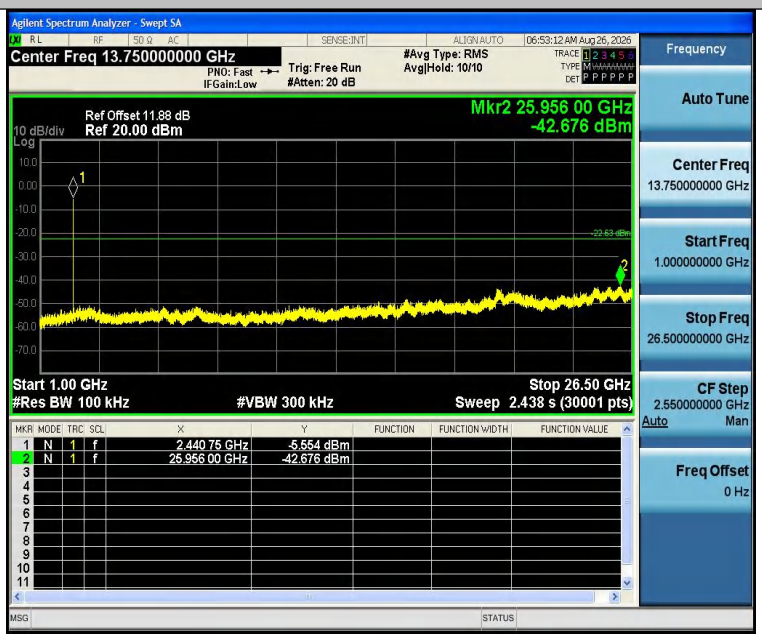
3DH5-Ant1-2441-0~Reference-PASS



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

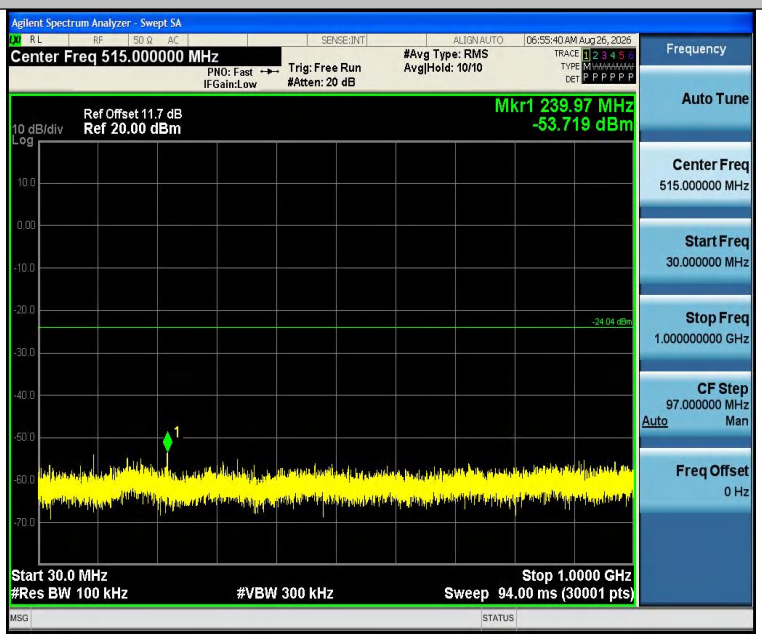


3DH5-Ant1-2441-1000~26500-PASS

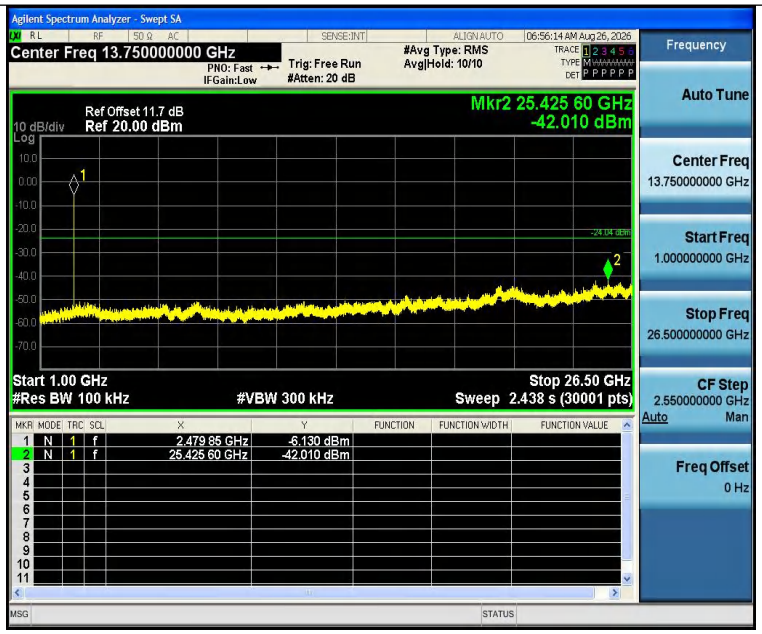


3DH5-Ant1-2480-0~Reference-PASS

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
06:56:14 AM Aug 26, 2026
Ref Offset 11.7 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr2 25.425 60 GHz
-42.010 dBm
-24.04 dBm
Start 1.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.438 s (30001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.479 85 GHz -6.130 dBm
2 N 1 f 25.425 60 GHz -42.010 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.

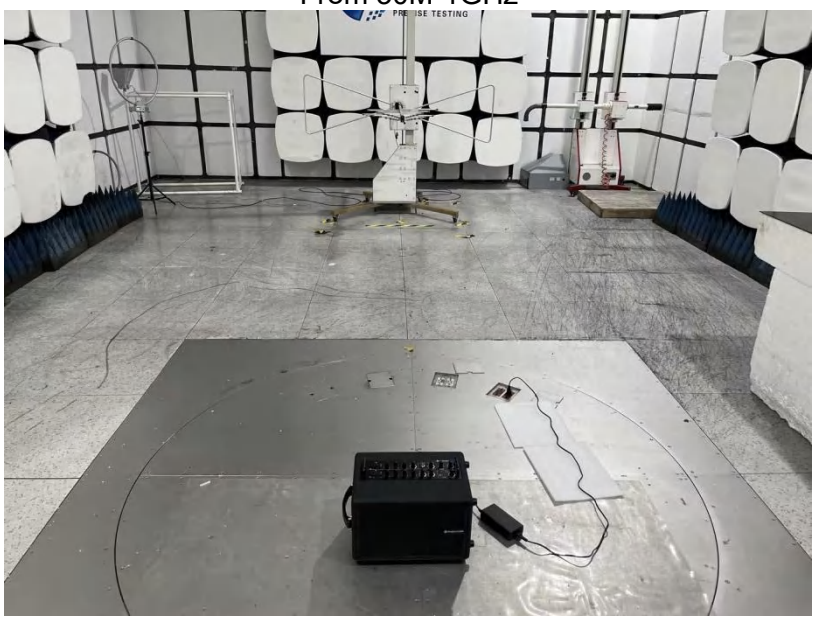
14.2 Antenna Connected Construction

The antenna is PCB antenna which permanently attached, and the best case gain of the antenna is 2.24 dBi. It complies with the standard requirement.

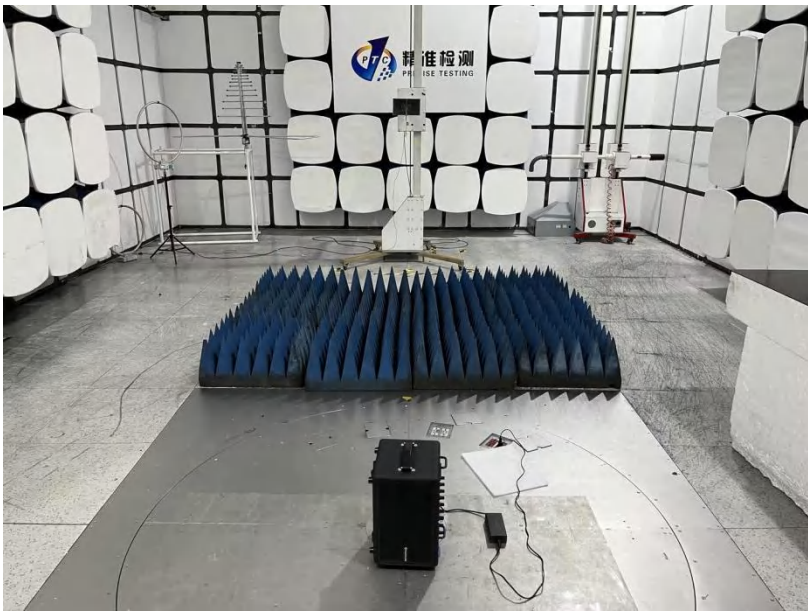
15 APPENDIX I -- TEST SETUP PHOTOGRAPH

Conducted Emissions

Radiated Emissions
From 30M-1GHz



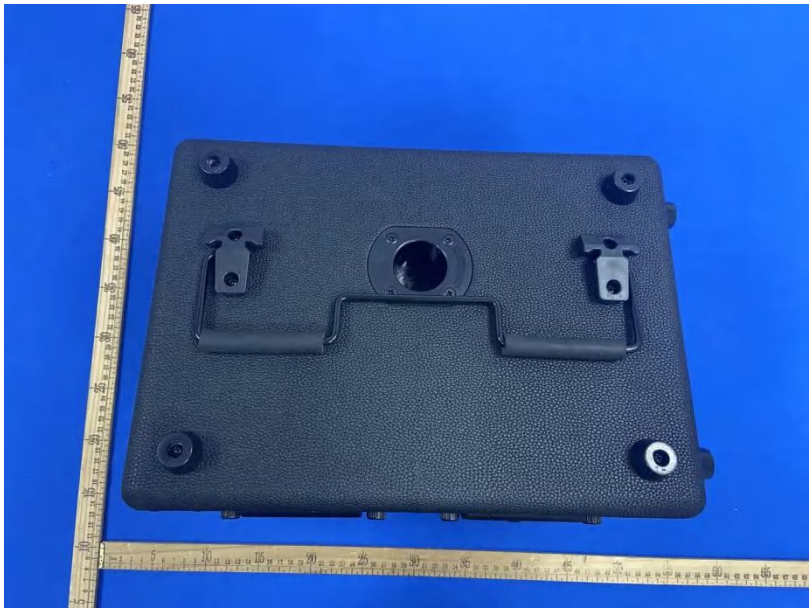
Above 1GHz



16 APPENDIX II -- EUT PHOTOGRAPH

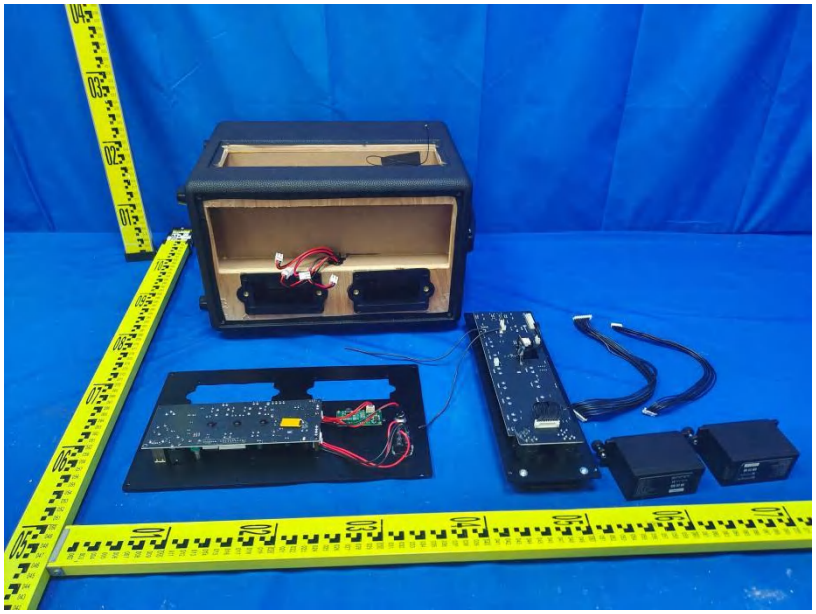
musiccube

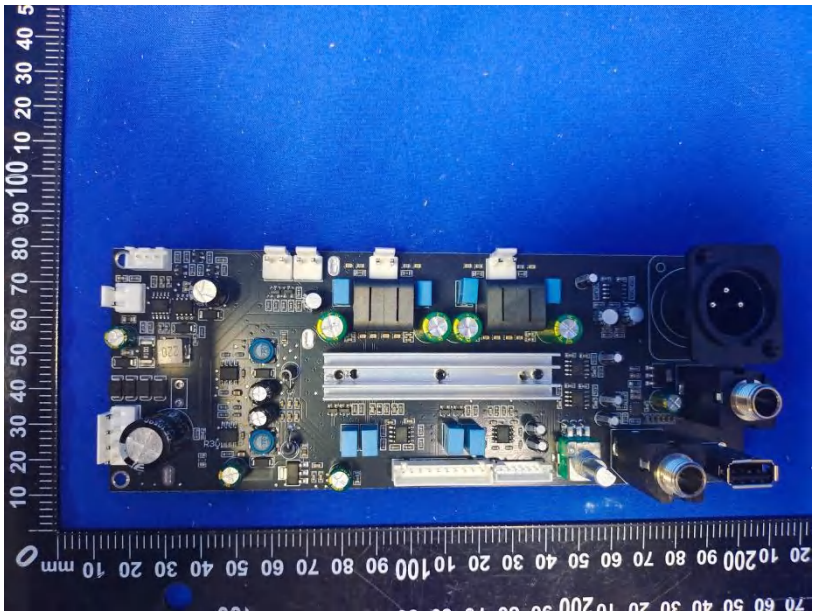
musiccube
Model NO : F1

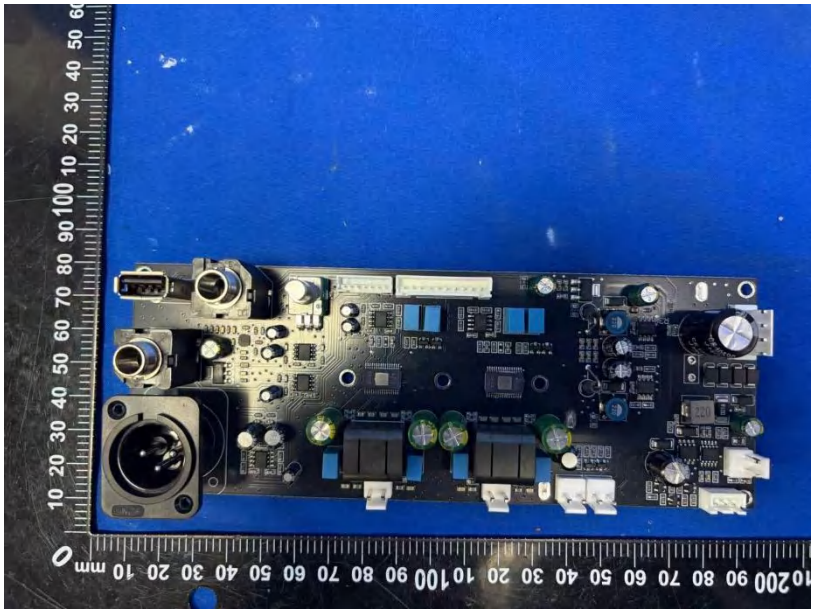


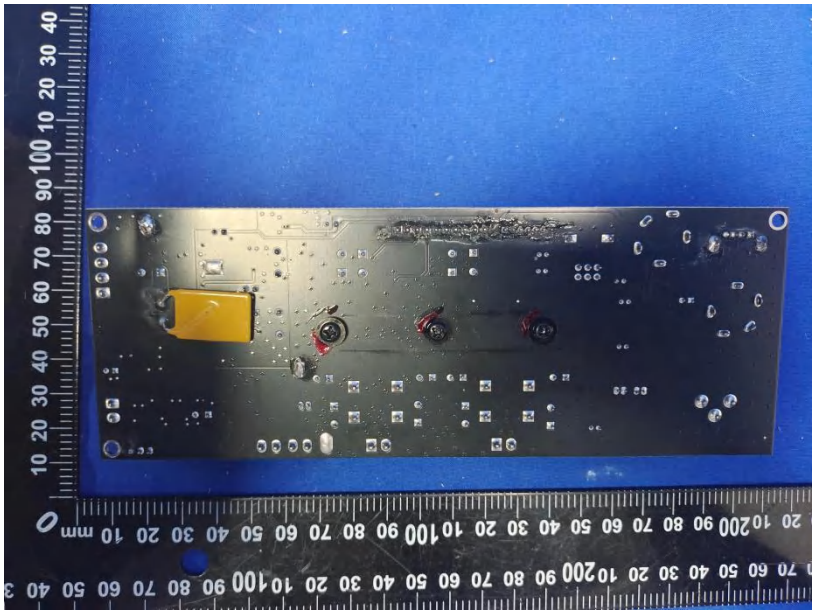
musiccube
MIC
Ch1
Clip
MIC
Line
Gain
Bass
Treble
Reverb
Stereo Input
Aux in/ Volume
Master
MIC
Ch2
Clip
MIC
Guitar
Gain
Bass
Middle
Treble
Reverb
Chorus
F1
Rec Level

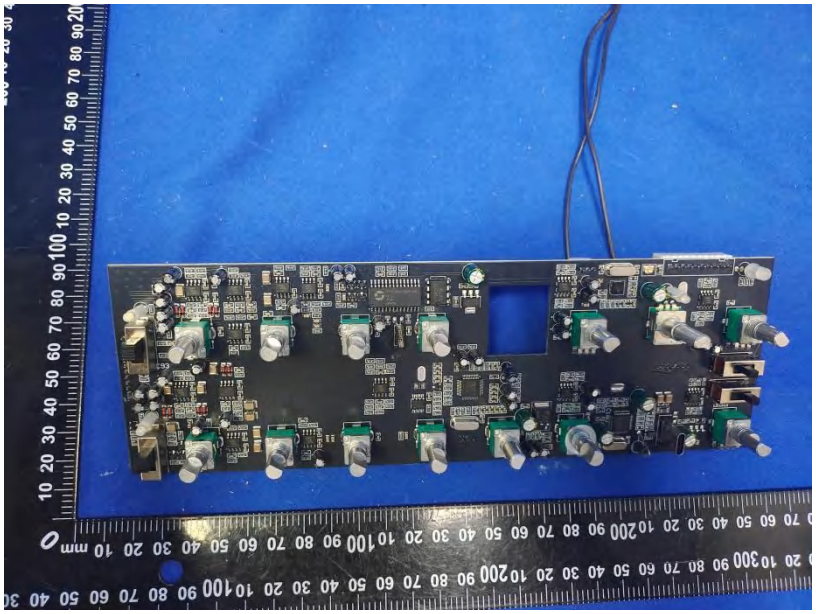
Phones Volume
Line input
Mix DI(Post)
musiccube
Model NO: F1
CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN
WARNING: Fire and shock Hazard-Do not Expose Unit to Rain and MOISTURE
WARNING: No User Servicable Parts Inside. Refer to Qualified Personnel. This Unit Must be Earthed.
SERIES NO.
MF F1 BFM30112
Made in China
POWER
26V 4.8A
DC IN

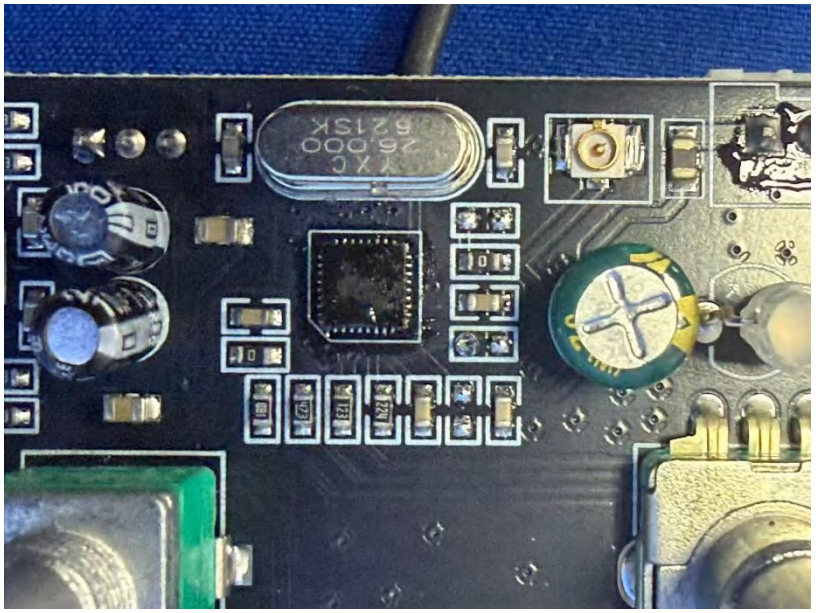


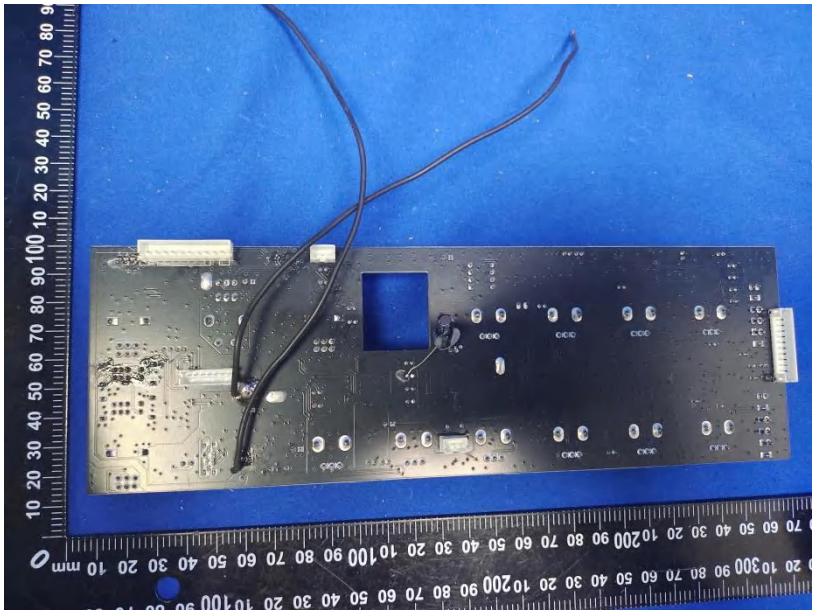


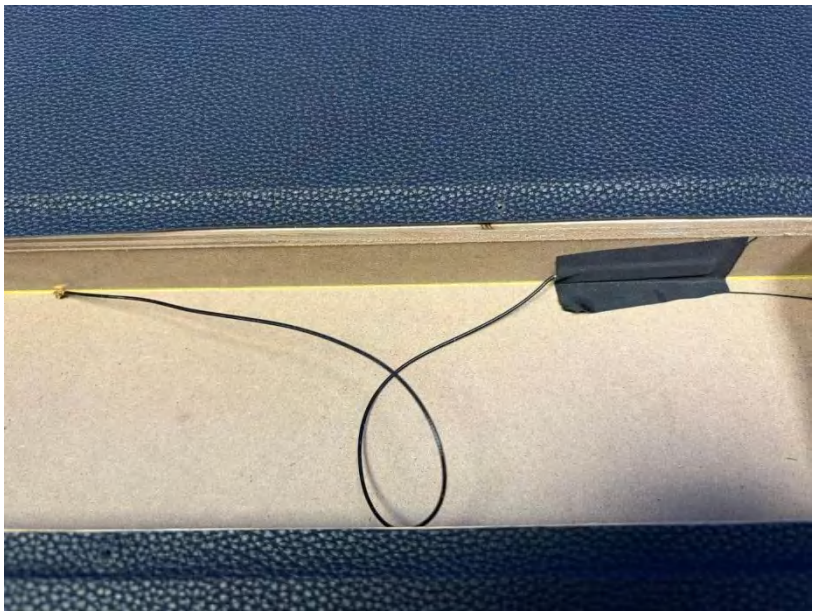


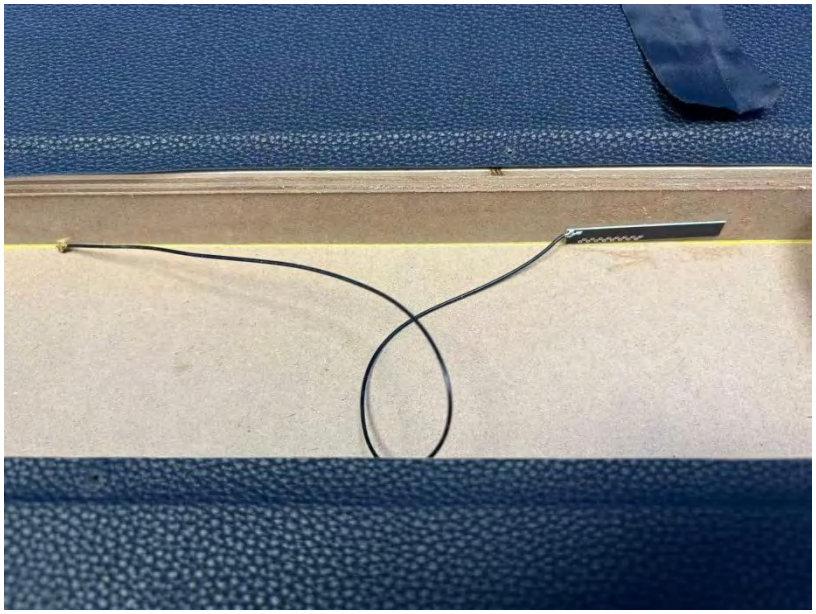


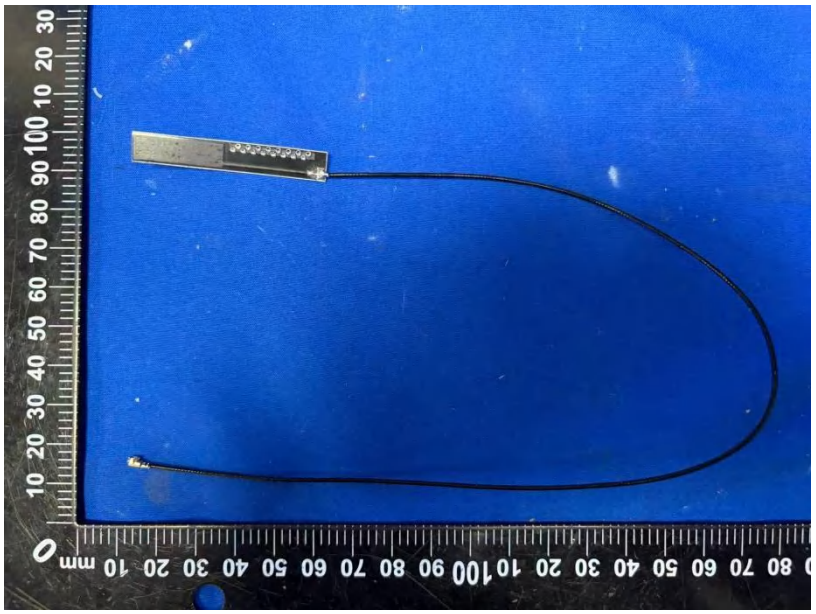


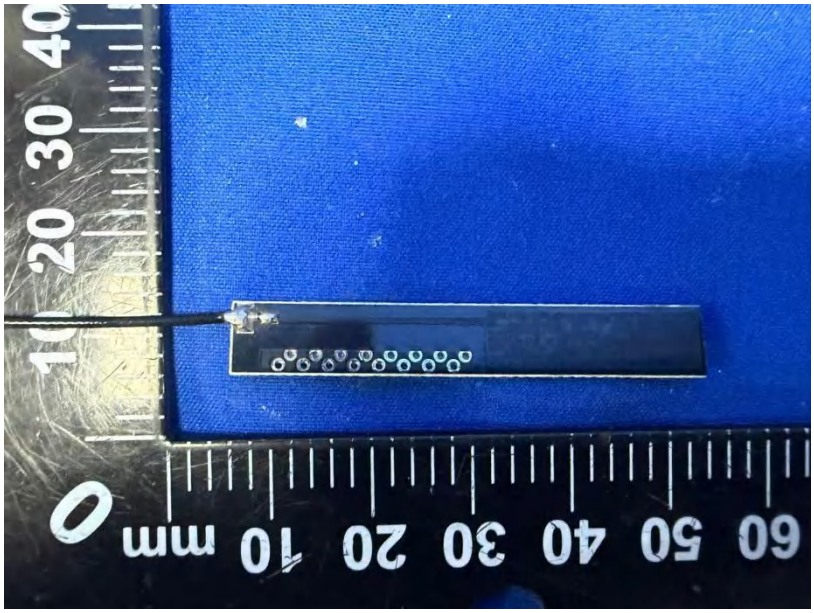

YXC
26.000
621SK

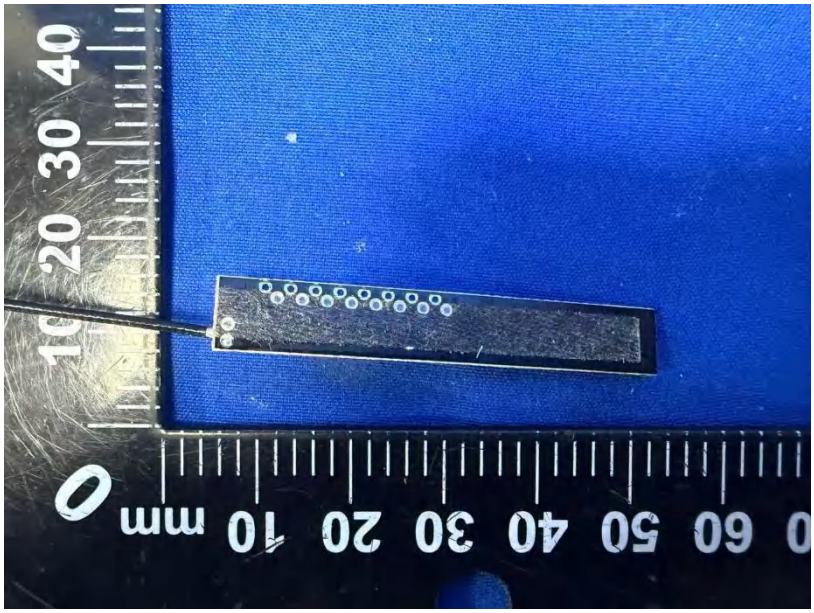












********THE END REPORT********