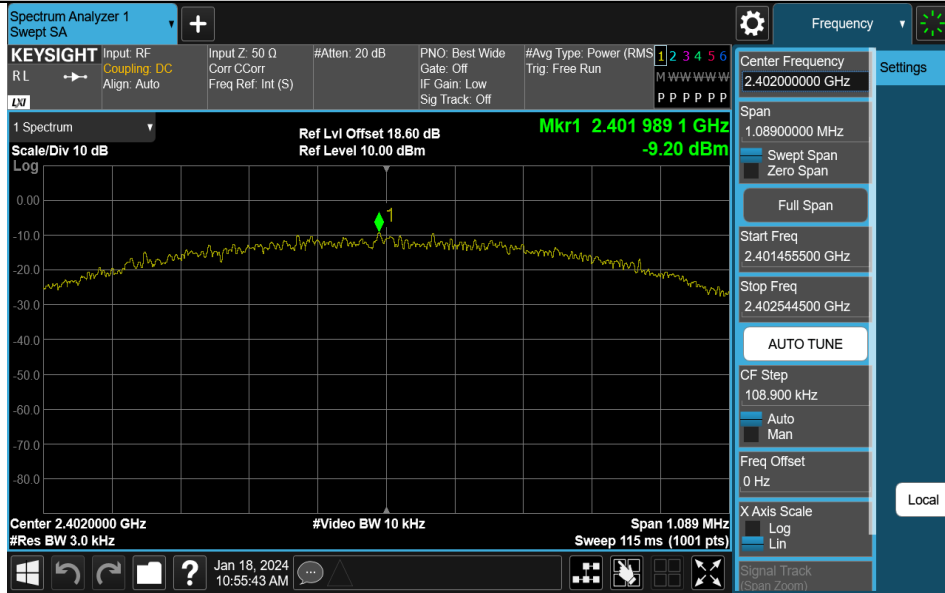


Appendix D: Maximum power spectral density
Test Result

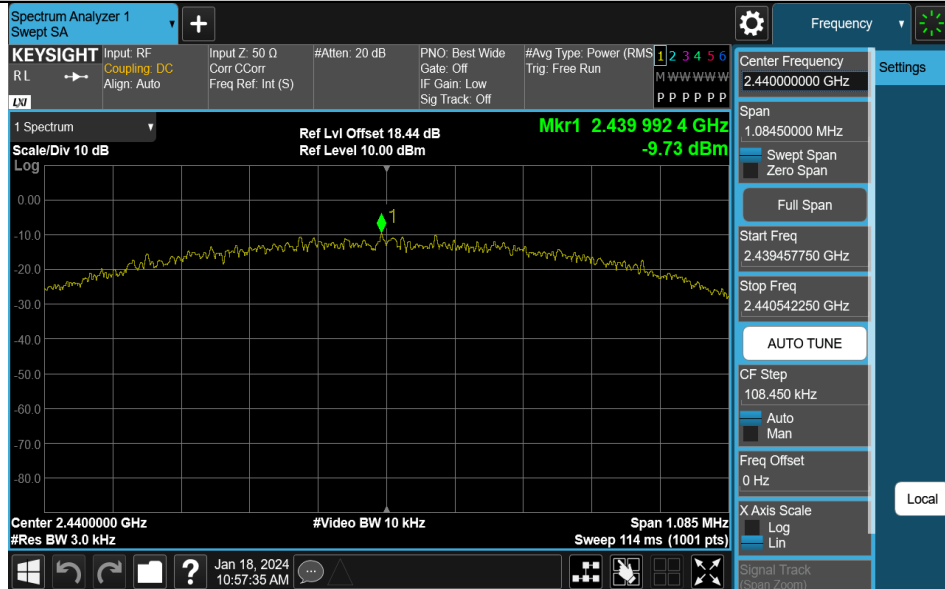
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
SRD_1M	Ant1	2402	-9.20	≤8.00	PASS
SRD_1M	Ant1	2440	-9.73	≤8.00	PASS
SRD_1M	Ant1	2480	-9.93	≤8.00	PASS
SRD_2M	Ant1	2402	-12.86	≤8.00	PASS
SRD_2M	Ant1	2440	-13.51	≤8.00	PASS
SRD_2M	Ant1	2480	-13.53	≤8.00	PASS

Test Graphs

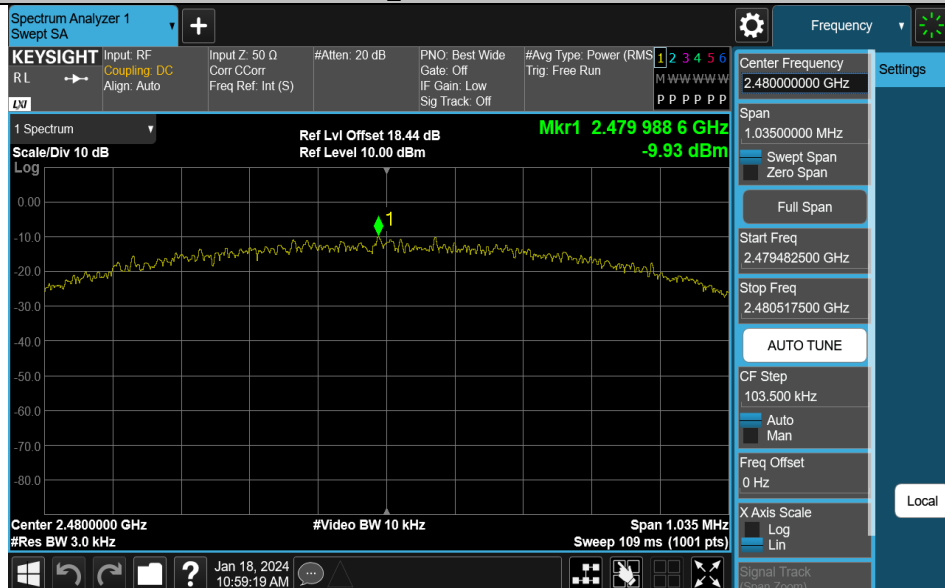
SRD_1M-Ant1-2402-PASS



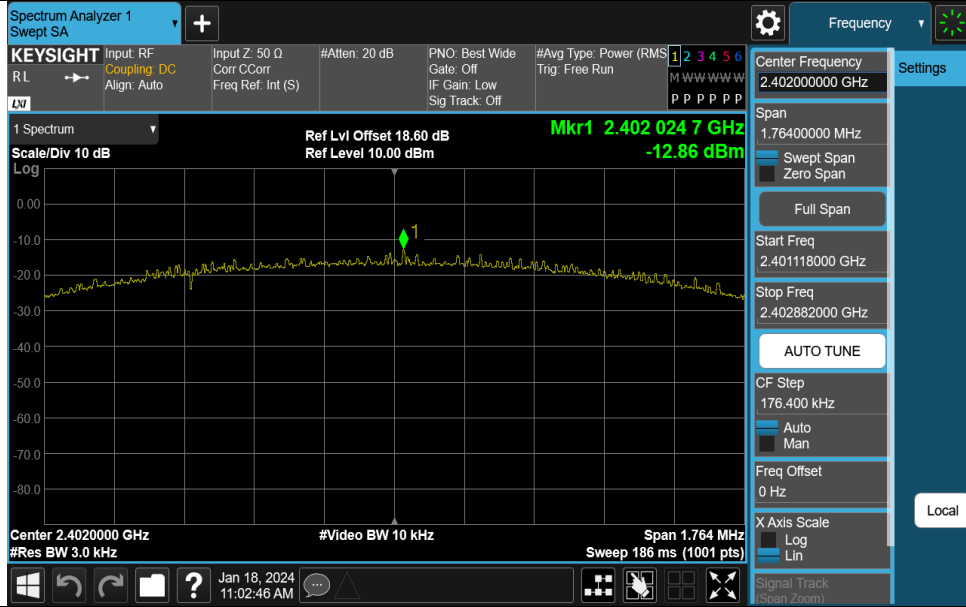
SRD_1M-Ant1-2440-PASS



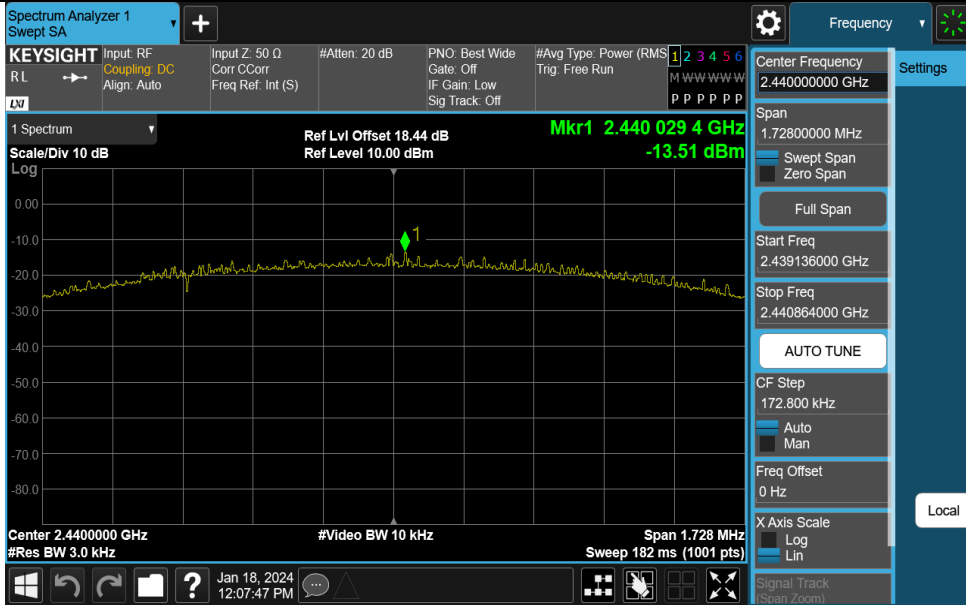
SRD_1M-Ant1-2480-PASS



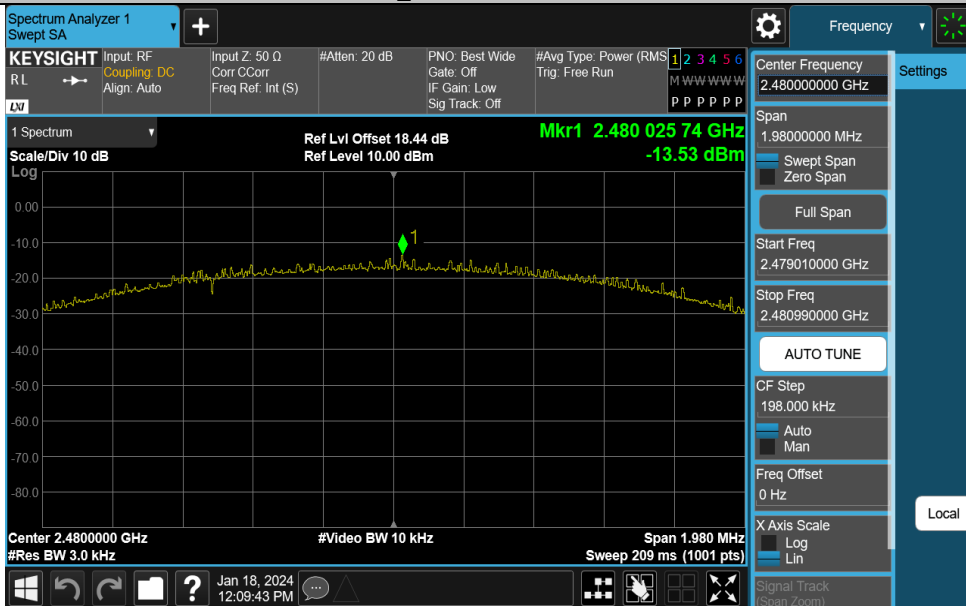
SRD_2M-Ant1-2402-PASS



SRD_2M-Ant1-2440-PASS



SRD_2M-Ant1-2480-PASS



Appendix E: Reference level measurement

Test Result

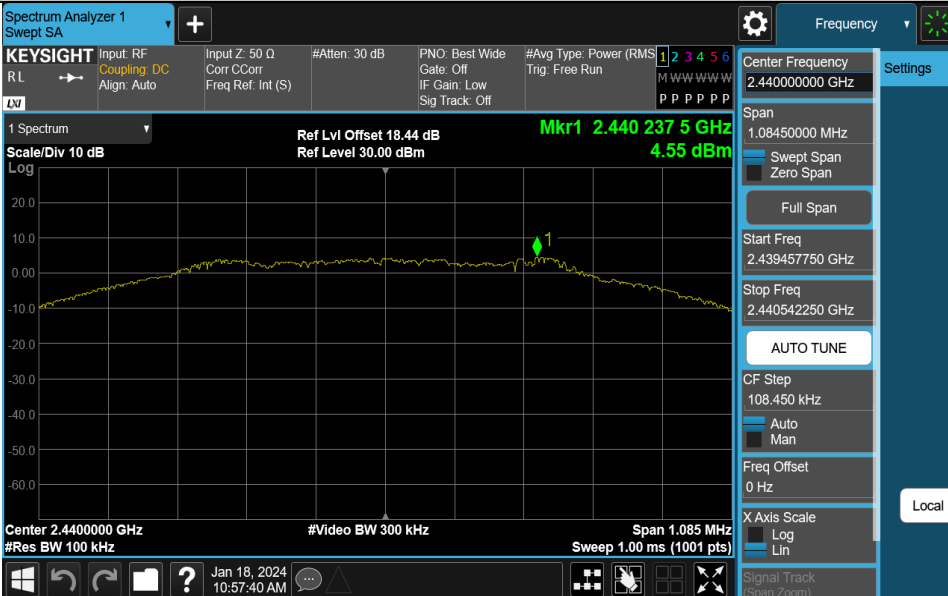
TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
SRD_1M	Ant1	2402	2402.23	5.04
SRD_1M	Ant1	2440	2440.24	4.55
SRD_1M	Ant1	2480	2480.23	4.47
SRD_2M	Ant1	2402	2401.97	4.12
SRD_2M	Ant1	2440	2439.49	3.72
SRD_2M	Ant1	2480	2480.01	4.00

Test Graphs

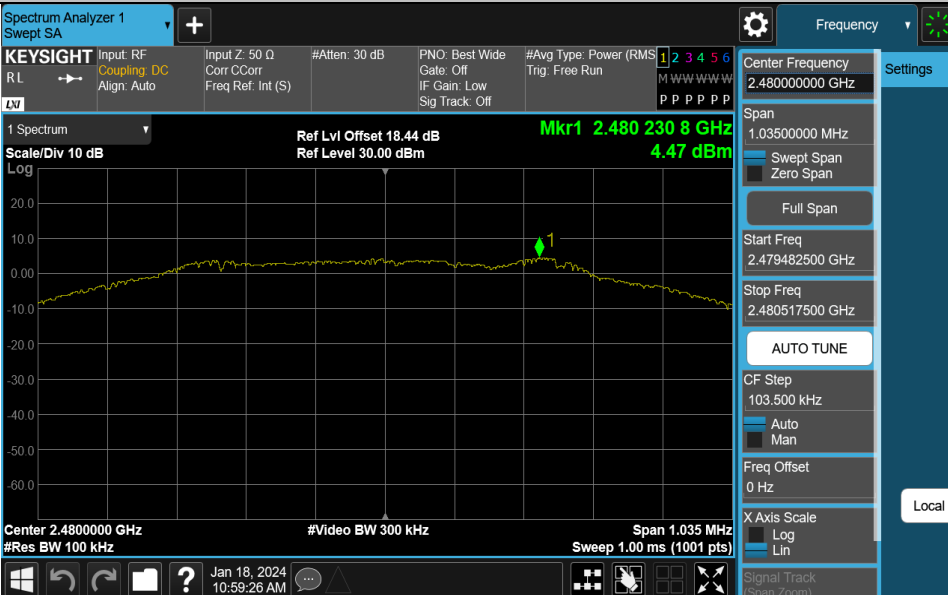
SRD_1M-Ant1-2402-PASS



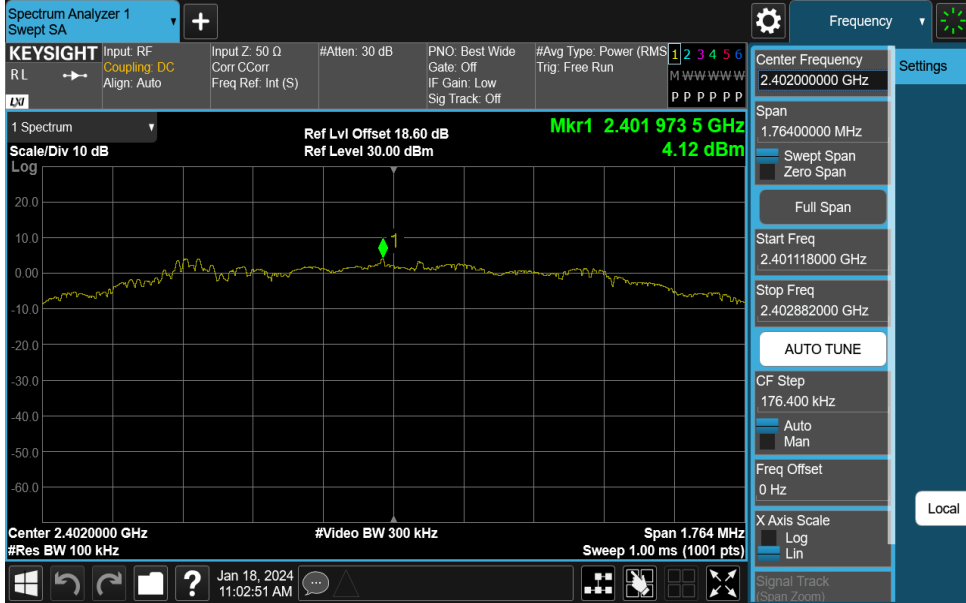
SRD_1M-Ant1-2440-PASS



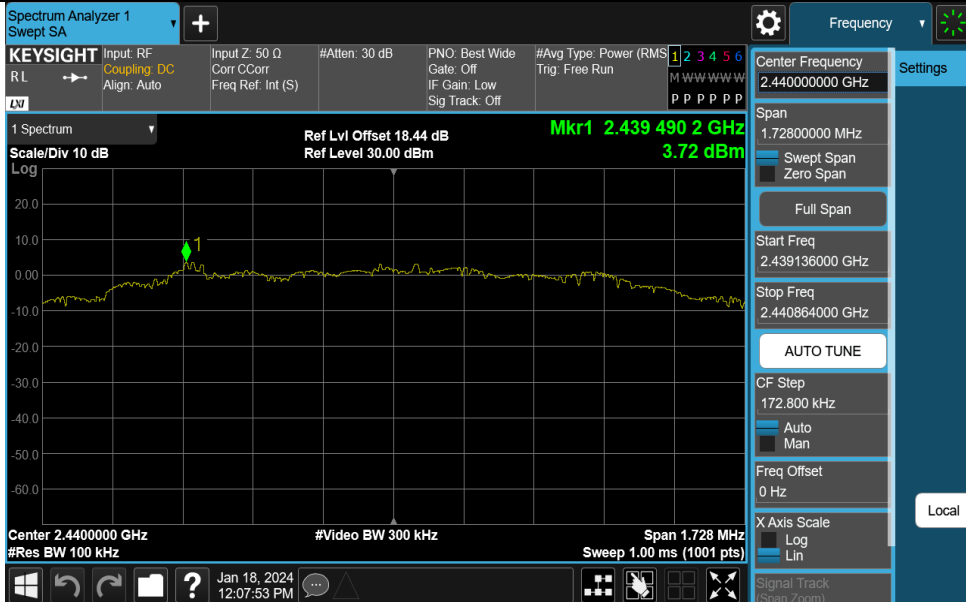
SRD_1M-Ant1-2480-PASS



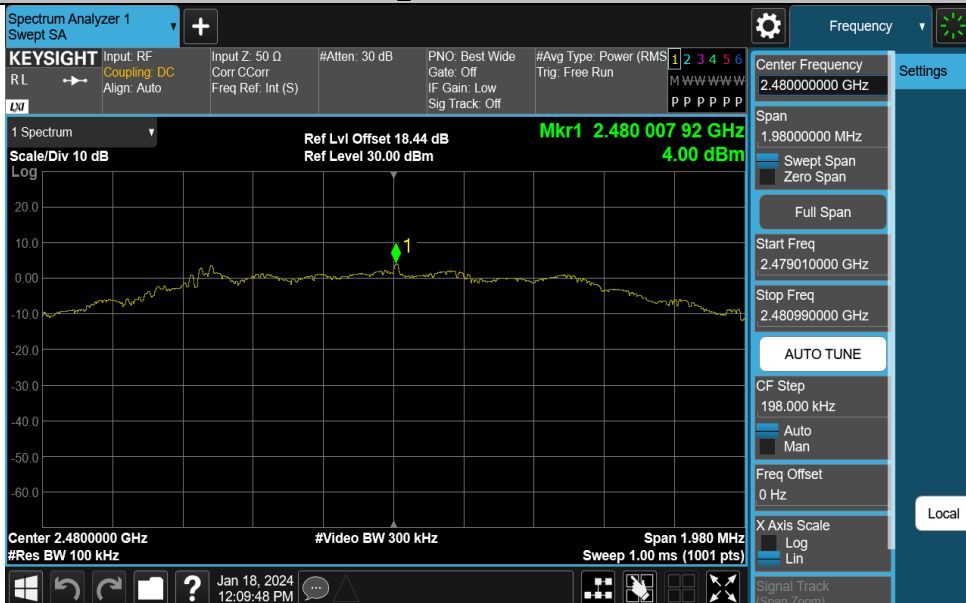
SRD_2M-Ant1-2402-PASS



SRD_2M-Ant1-2440-PASS



SRD_2M-Ant1-2480-PASS



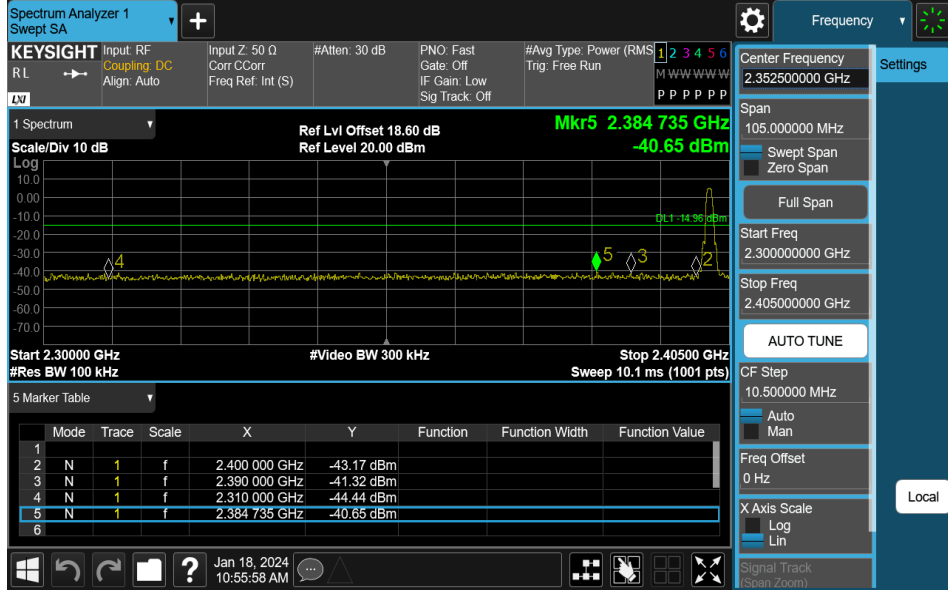
Appendix F: Band edge measurements

Test Result

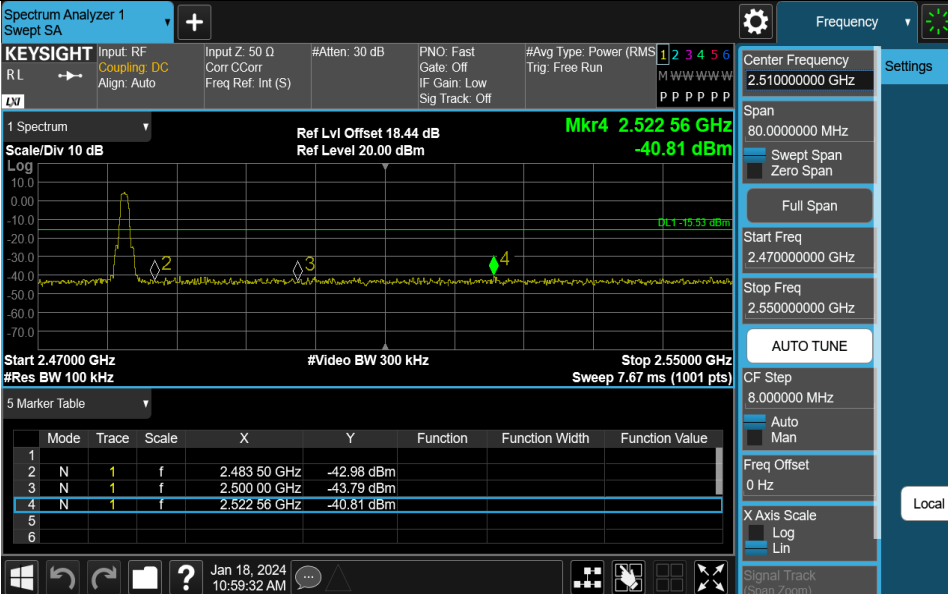
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD_1M	Ant1	Low	2402	5.04	-40.65	≤ -14.96	PASS
SRD_1M	Ant1	High	2480	4.47	-40.81	≤ -15.53	PASS
SRD_2M	Ant1	Low	2402	4.12	-30.92	≤ -15.88	PASS
SRD_2M	Ant1	High	2480	4.00	-40.71	≤ -16	PASS

Test Graphs

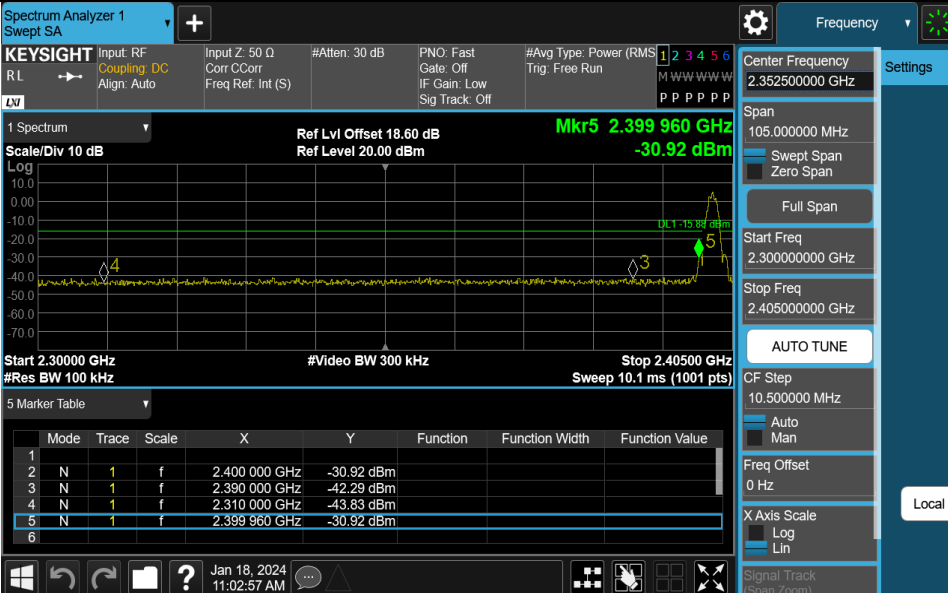
SRD_1M-Ant1-2402-PASS



SRD_1M-Ant1-2480-PASS



SRD_2M-Ant1-2402-PASS



SRD_2M-Ant1-2480-PASS

Spectrum Analyzer 1
Swept SA

KEYSIGHT Input: RF Coupling: DC Align: Auto

Input Z: 50 Ω Corr: CCorr Freq Ref: Int (S)

#Atten: 30 dB PNO: Fast Gate: Off IF Gain: Low Sig Track: Off

#Avg Type: Power (RMS) Trig: Free Run

1 2 3 4 5 6
M WWW WWW W
P P P P P P

Frequency

Center Frequency
2.510000000 GHz

Span
80.00000000 MHz

Start Freq
2.470000000 GHz

Stop Freq
2.550000000 GHz

AUTO TUNE

CF Step
8.000000 MHz

Freq Offset
0 Hz

X Axis Scale
Log

Signal Track (Span Zoom)

1 Spectrum

Scale/Div 10 dB

Ref Lvl Offset 18.44 dB Ref Level 20.00 dBm

Mkr4 2.517 04 GHz -40.71 dBm

Start 2.47000 GHz #Video BW 300 kHz Stop 2.55000 GHz

#Res BW 100 kHz Sweep 7.67 ms (1001 pts)

5 Marker Table

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1							
2	N	1	f	2.483 50 GHz	-42.24 dBm		
3	N	1	f	2.500 00 GHz	-40.95 dBm		
4	N	1	f	2.517 04 GHz	-40.71 dBm		
5							
6							

Windows Taskbar: Jan 18, 2024 12:09:54 PM

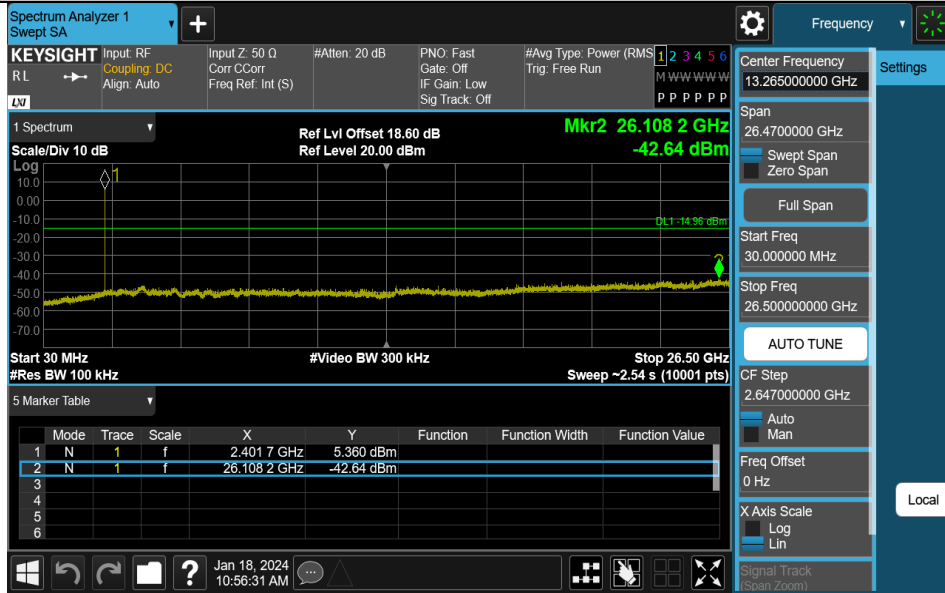
Local

Appendix G: Conducted Spurious Emission Test Result

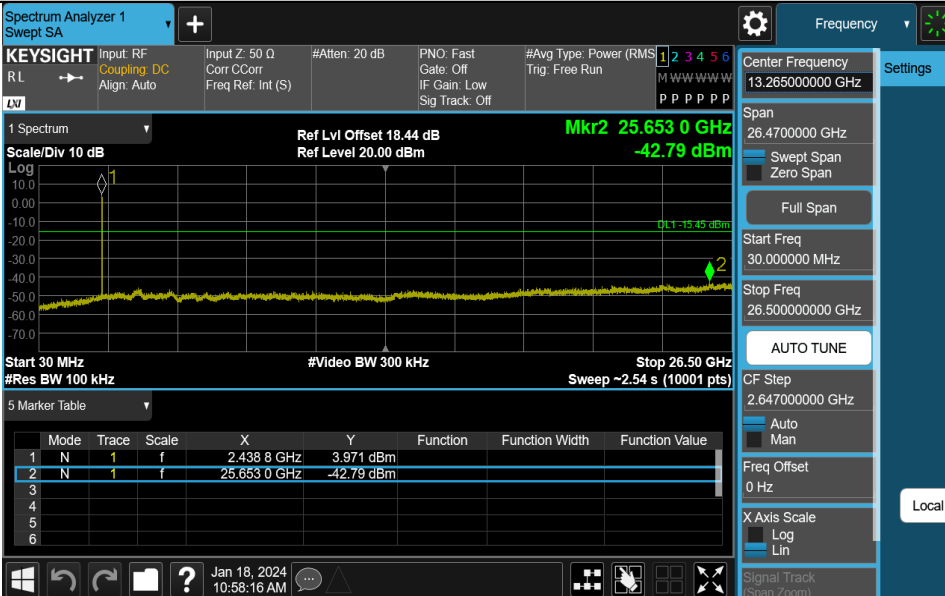
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD_1M	Ant1	2402	30~26500	5.04	-42.64	≤-14.96	PASS
SRD_1M	Ant1	2440	30~26500	4.55	-42.79	≤-15.45	PASS
SRD_1M	Ant1	2480	30~26500	4.47	-43.46	≤-15.53	PASS
SRD_2M	Ant1	2402	30~26500	4.12	-40.99	≤-15.88	PASS
SRD_2M	Ant1	2440	30~26500	3.72	-42.86	≤-16.28	PASS
SRD_2M	Ant1	2480	30~26500	4.00	-42.6	≤-16	PASS

Test Graphs

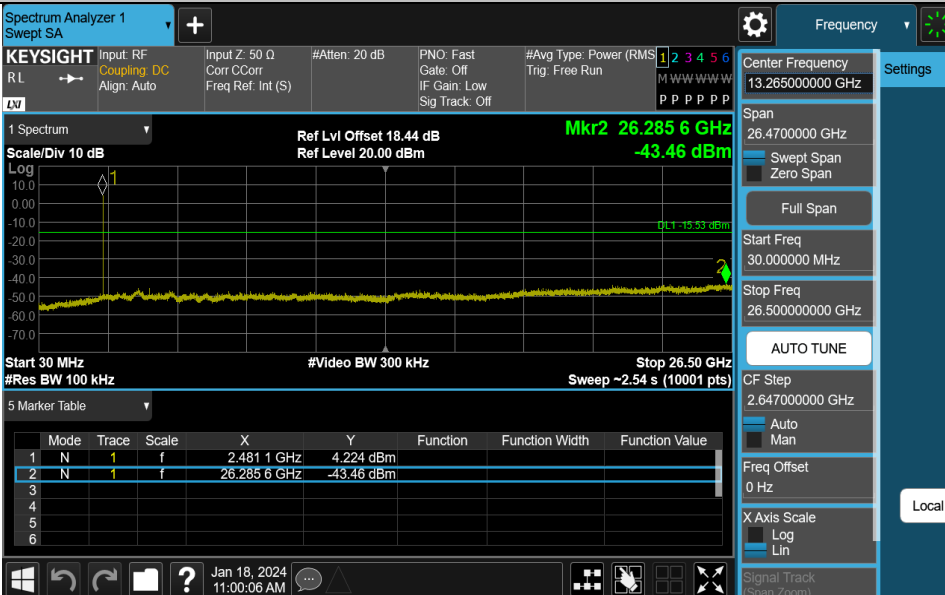
SRD_1M-Ant1-2402-30~26500-PASS



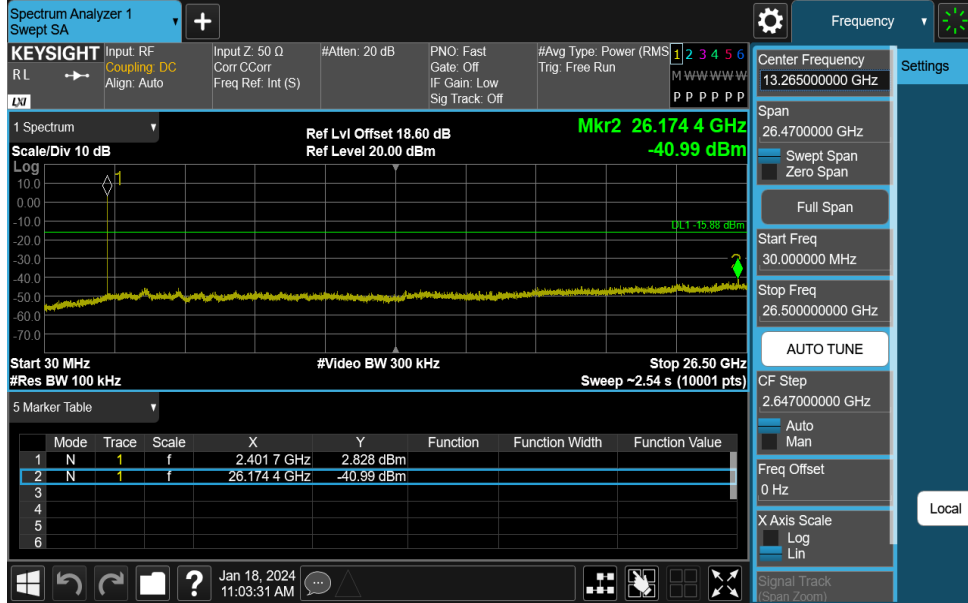
SRD_1M-Ant1-2440-30~26500-PASS



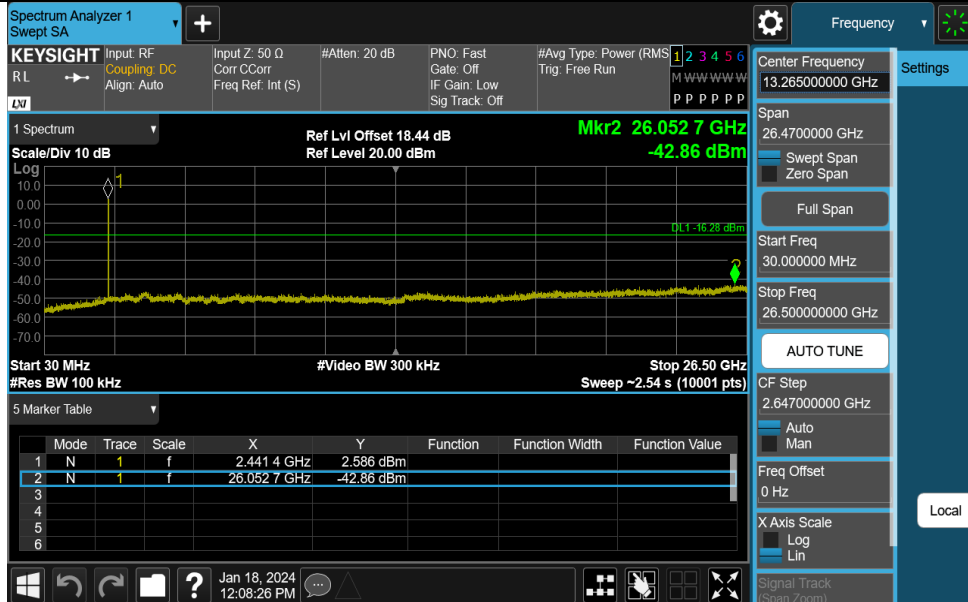
SRD_1M-Ant1-2480-30~26500-PASS



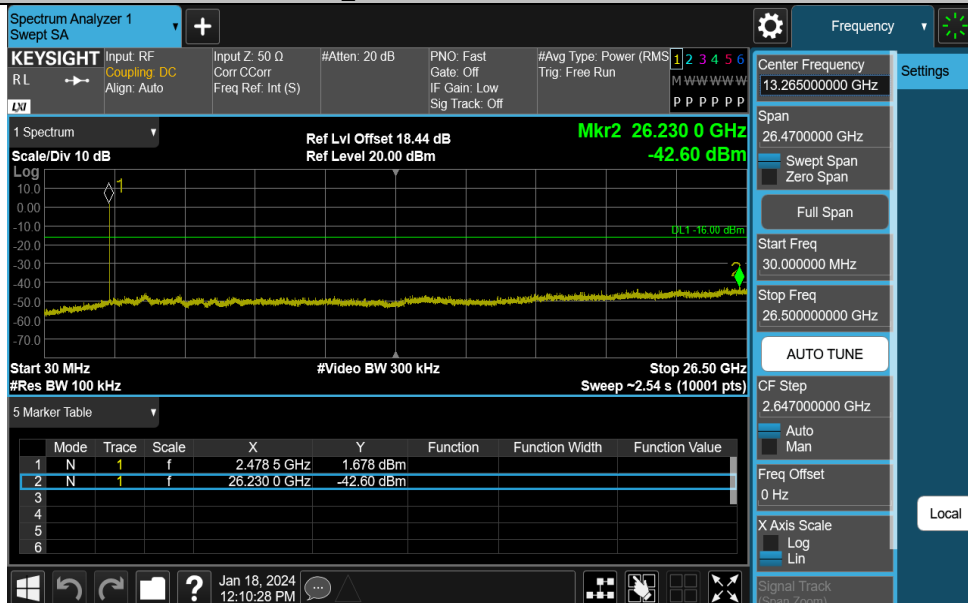
SRD_2M-Ant1-2402-30~26500-PASS



SRD_2M-Ant1-2440-30~26500-PASS



SRD_2M-Ant1-2480-30~26500-PASS

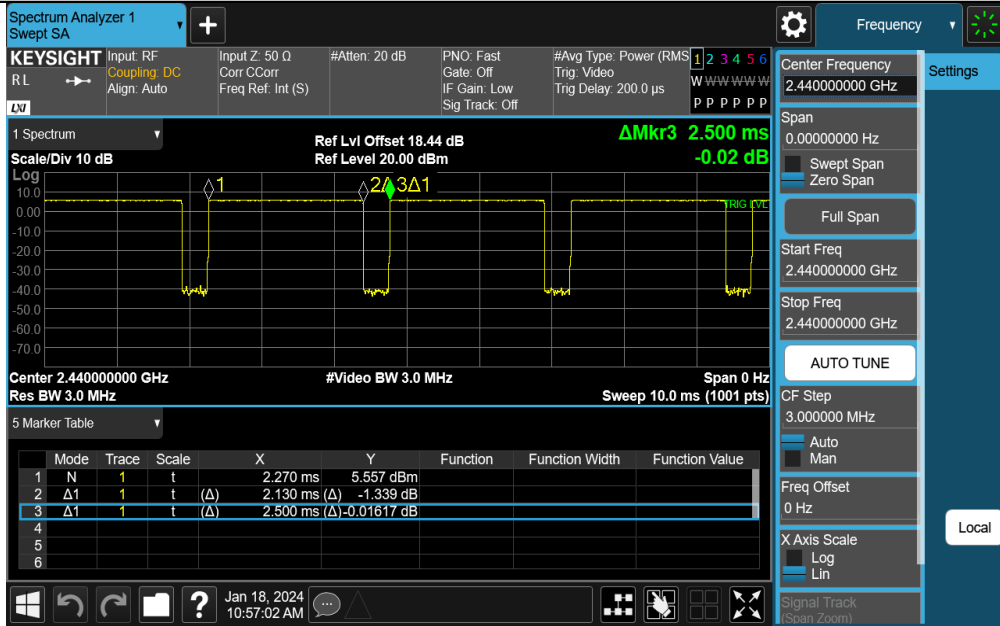


Appendix H: Duty Cycle Test Result

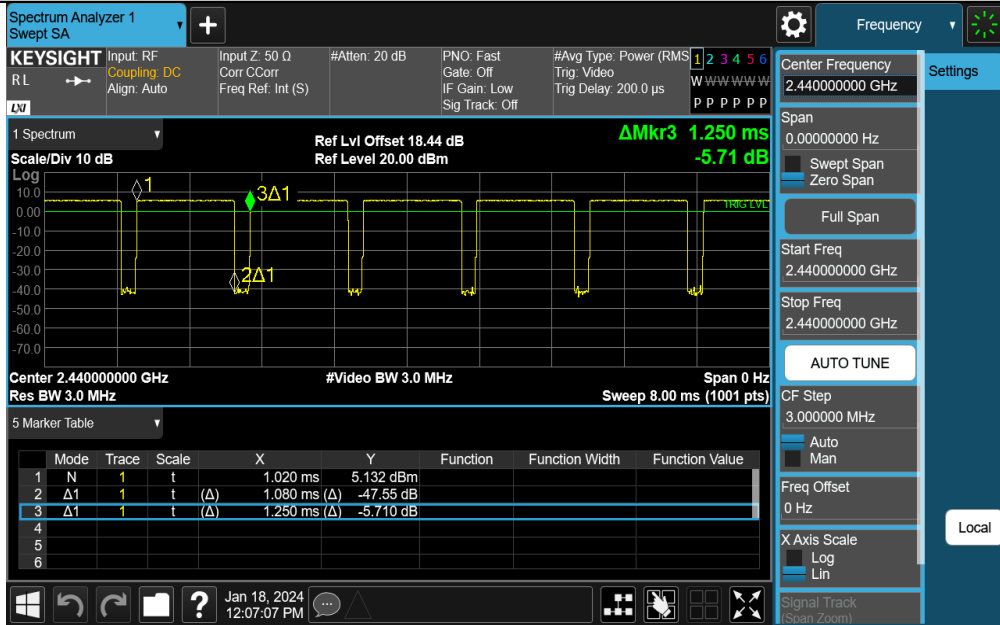
TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
SRD_1M	Ant1	2440	2.13	2.50	85.20	0.70
SRD_2M	Ant1	2440	1.08	1.25	86.40	0.63

Test Graphs

NTNV-SRD_1M-Ant1-2440



NTNV-SRD_2M-Ant1-2440

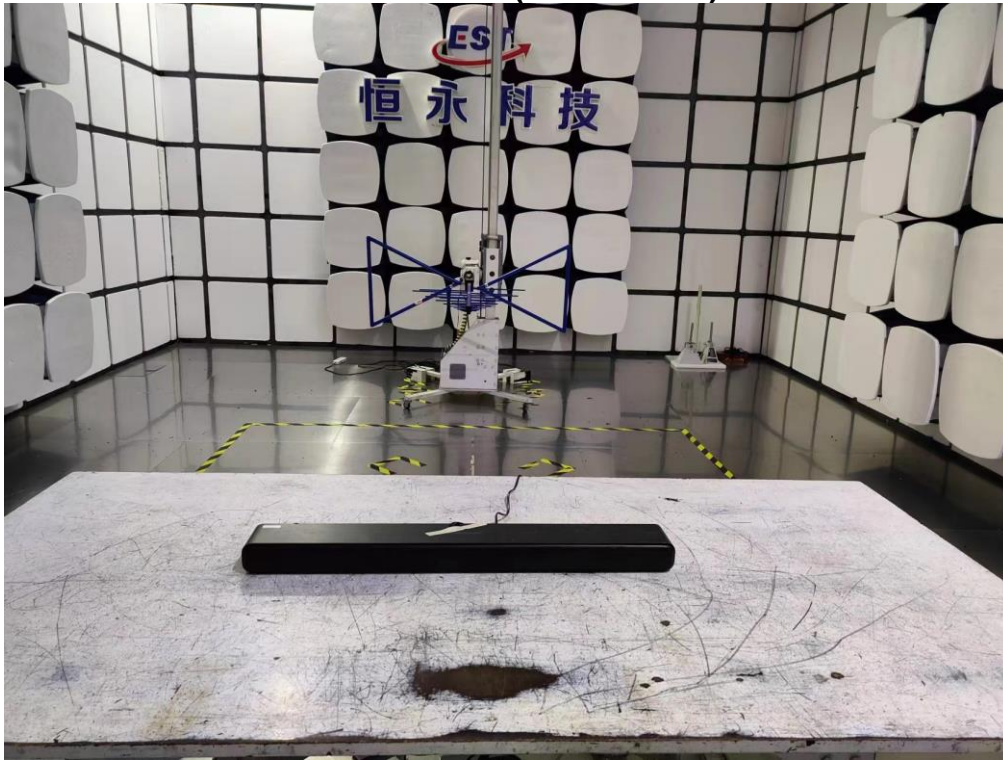


12. TEST SETUP PHOTO

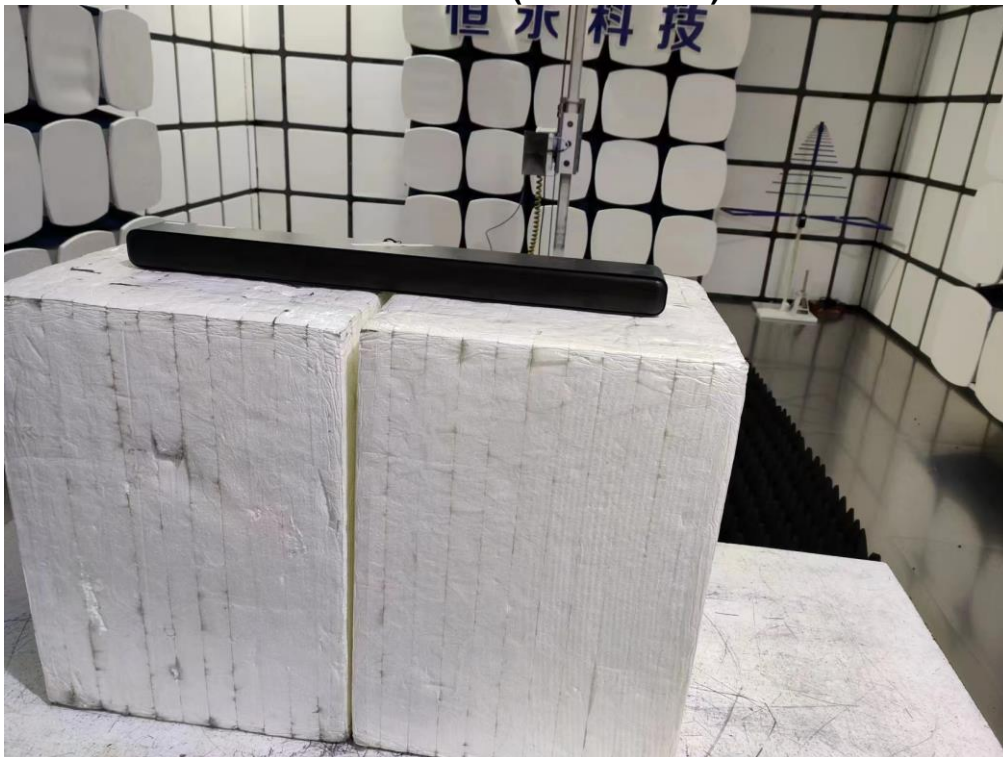
Conducted Test



Radiated Test (Below 1GHz)



Radiated Test (Above 1GHz)



13. EUT PHOTO

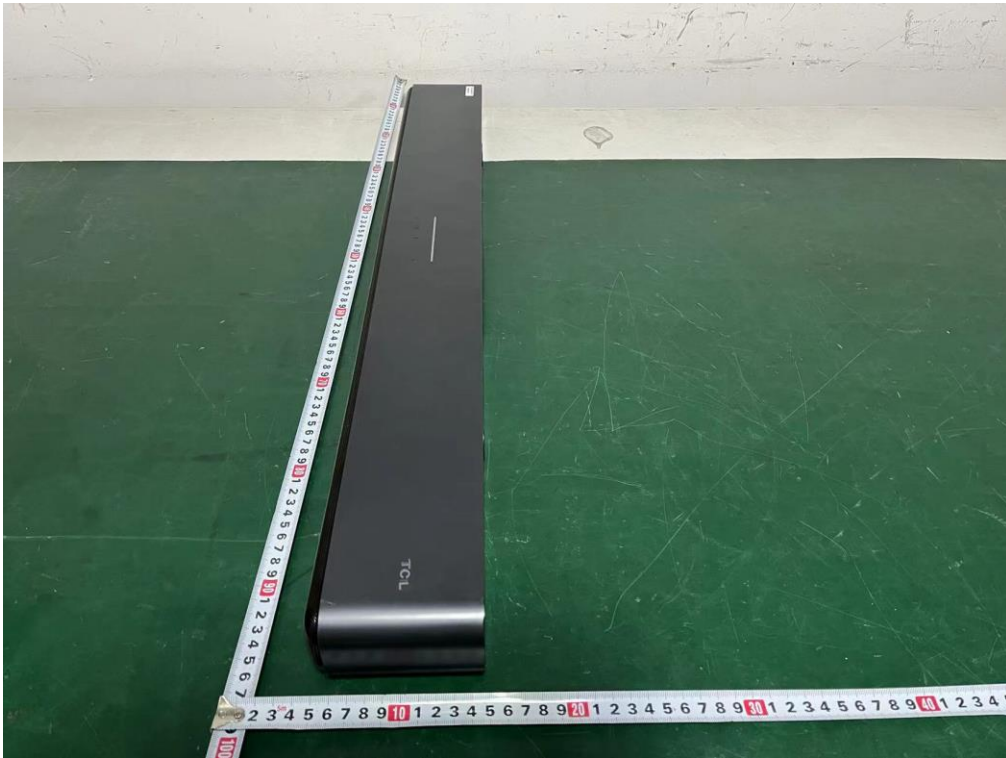
External Photos
M/N: S55H



External Photos
M/N: S55H



External Photos
M/N: S55H



External Photos M/N: S55H



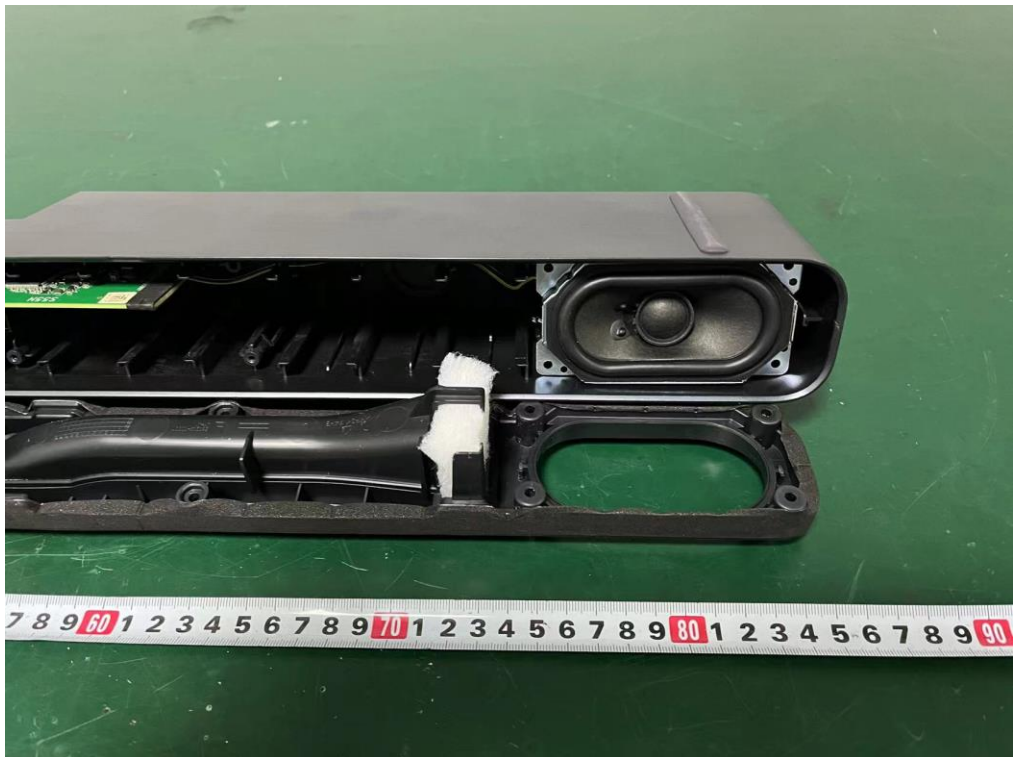
External Photos
M/N: S55H



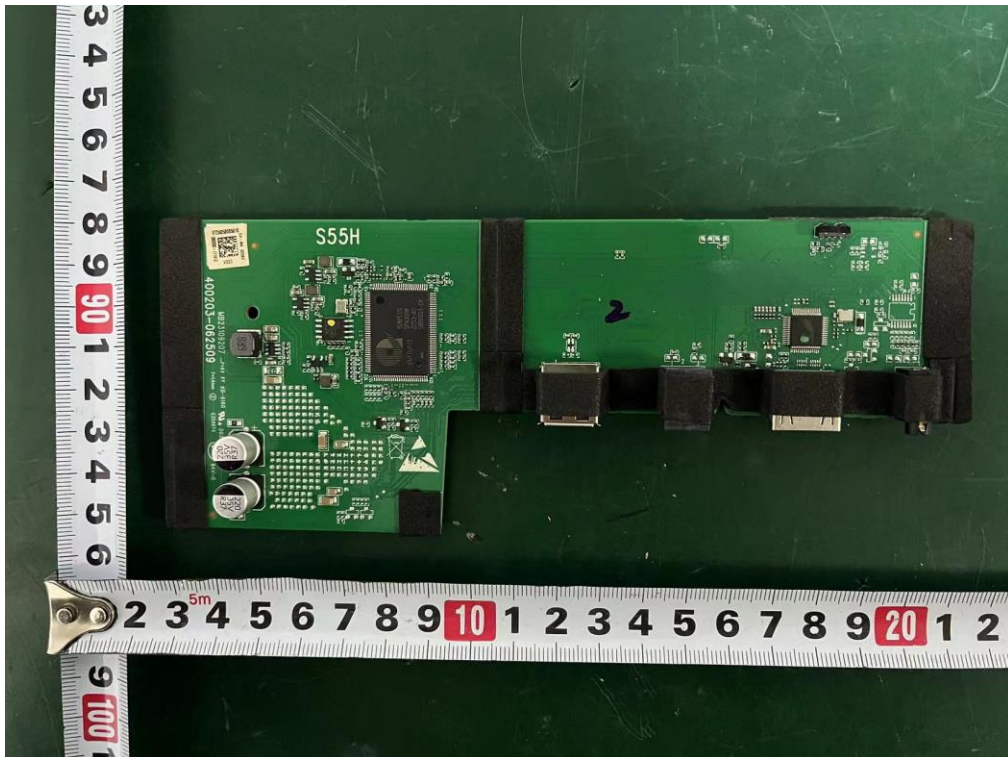
Internal Photos
M/N: S55H



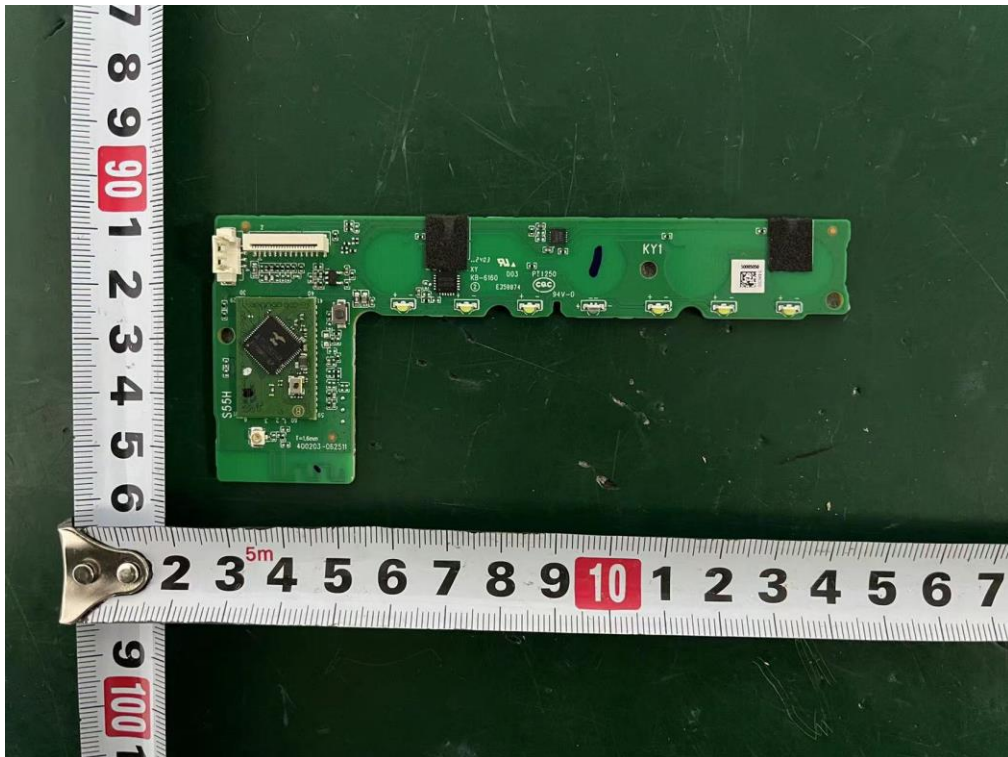
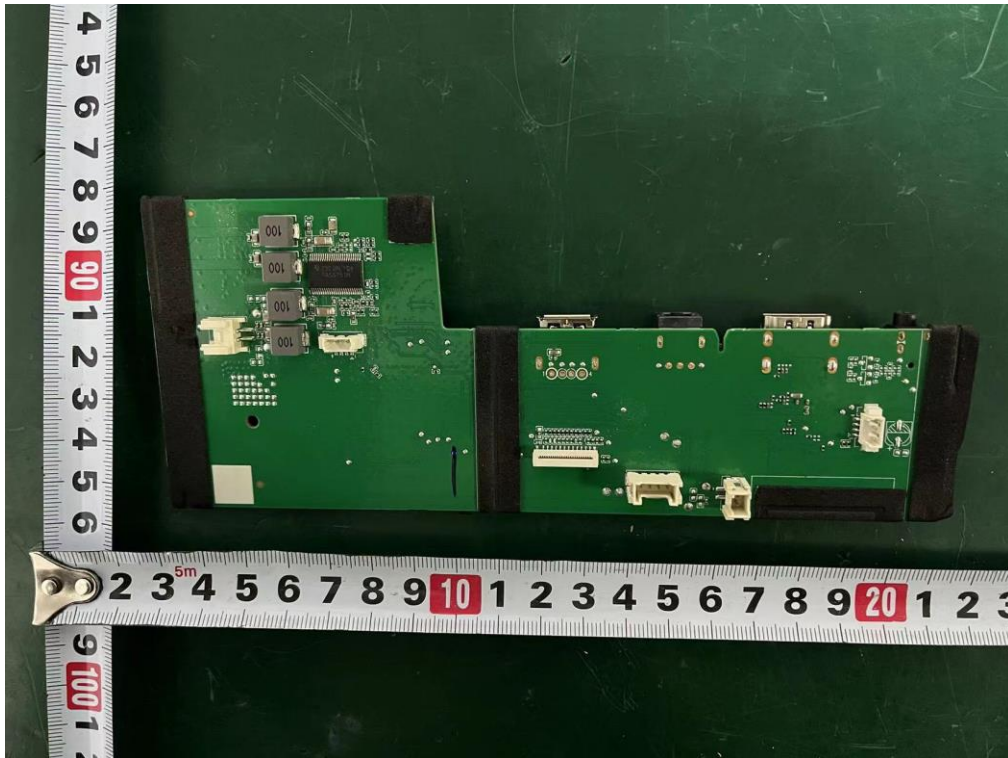
Internal Photos
M/N: S55H



Internal Photos
M/N: S55H

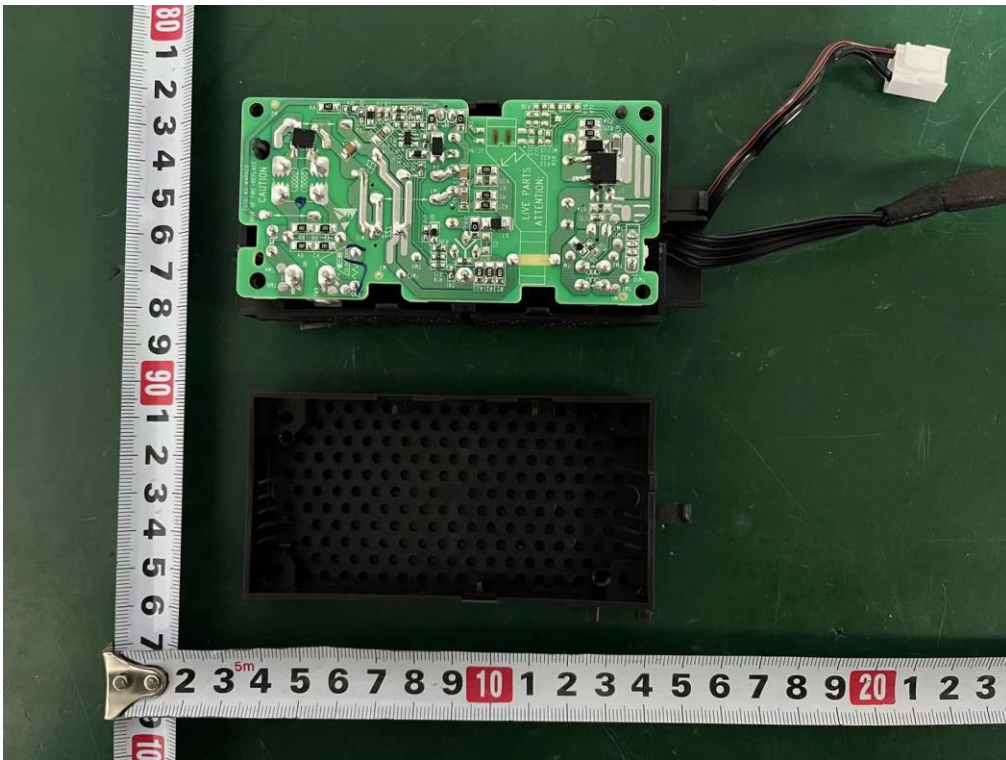
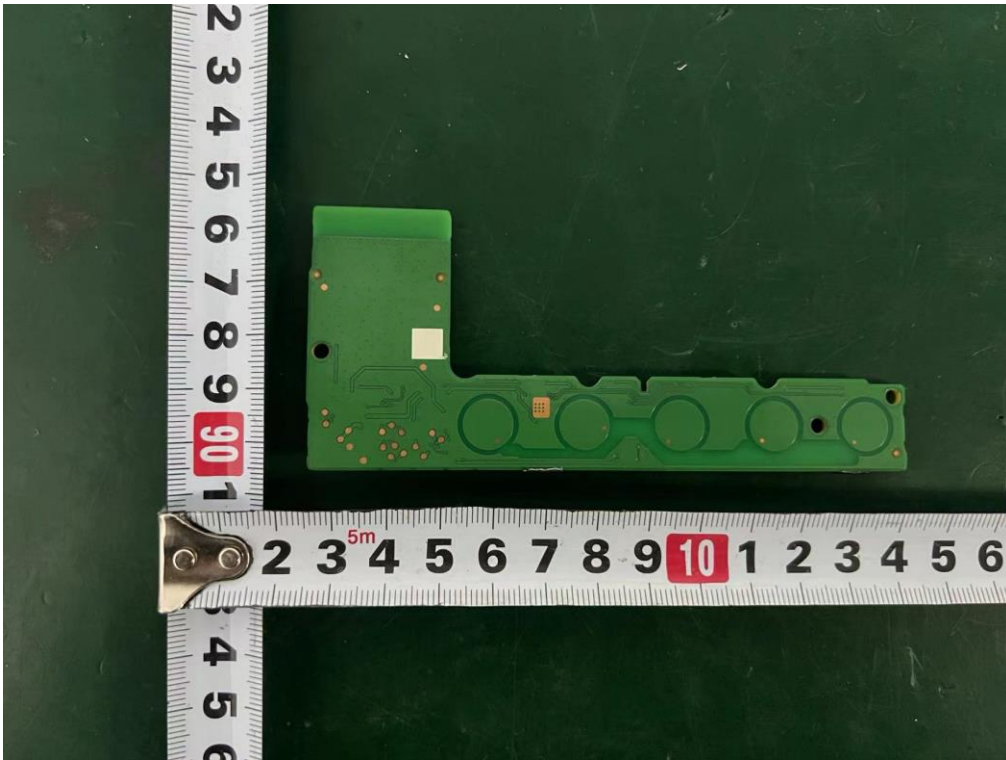


Internal Photos
M/N: S55H

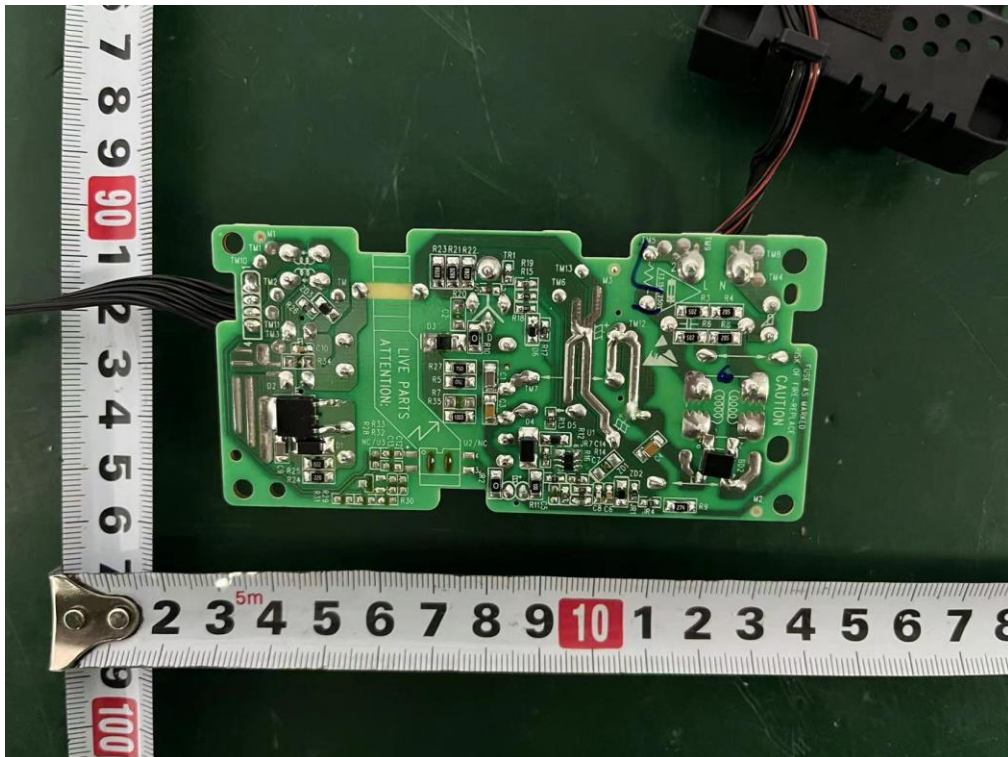
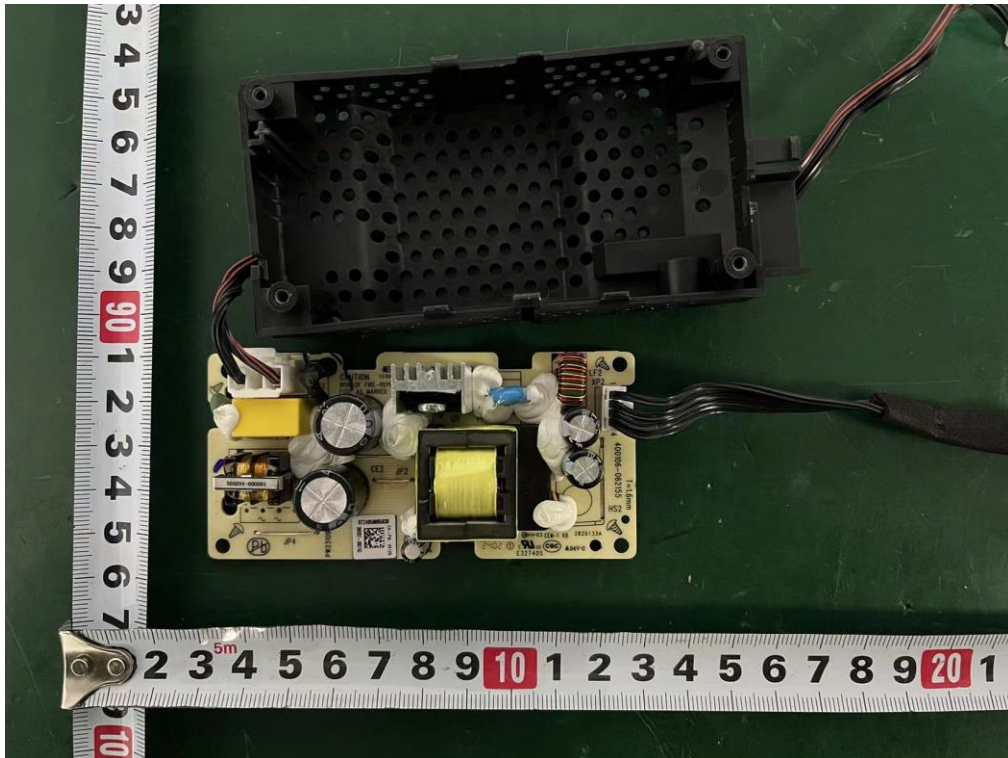


Internal Photos

M/N: S55H



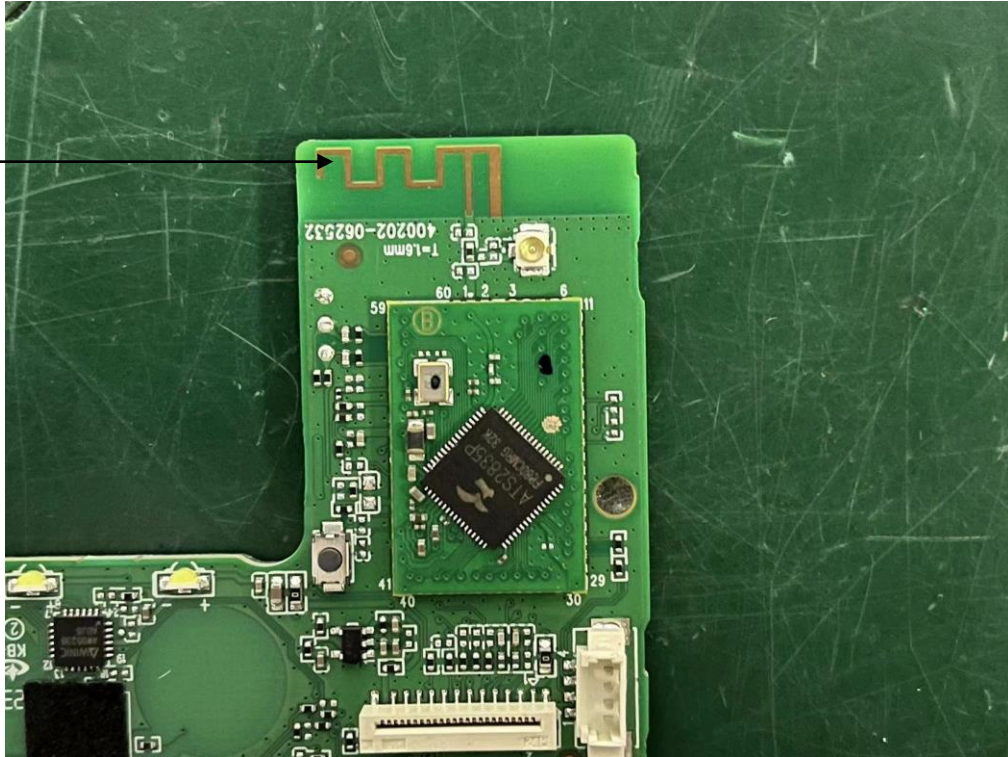
Internal Photos M/N: S55H



Internal Photos

M/N: S55H

Bluetooth
Antenna



End of Test Report