

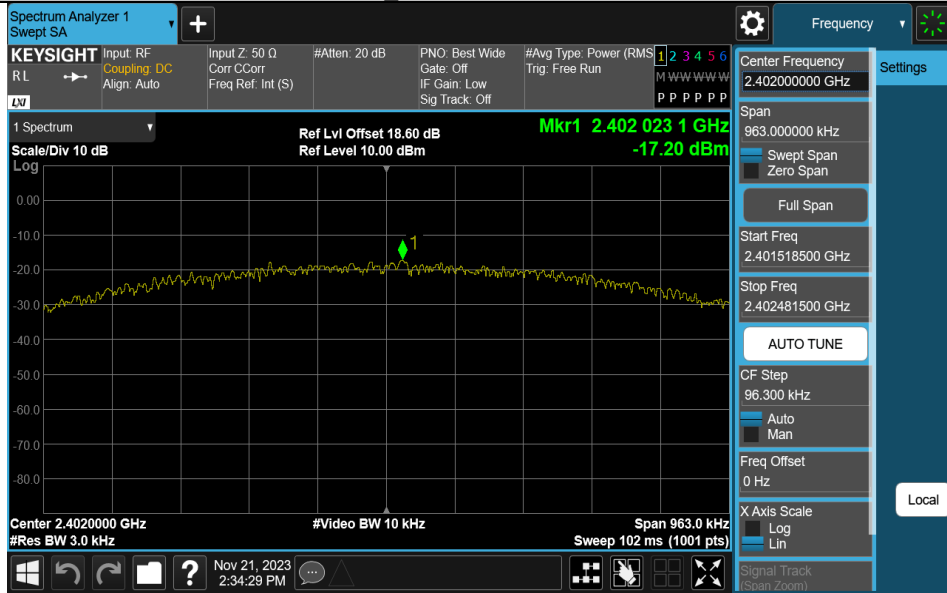
Appendix C: Maximum power spectral density

Test Result

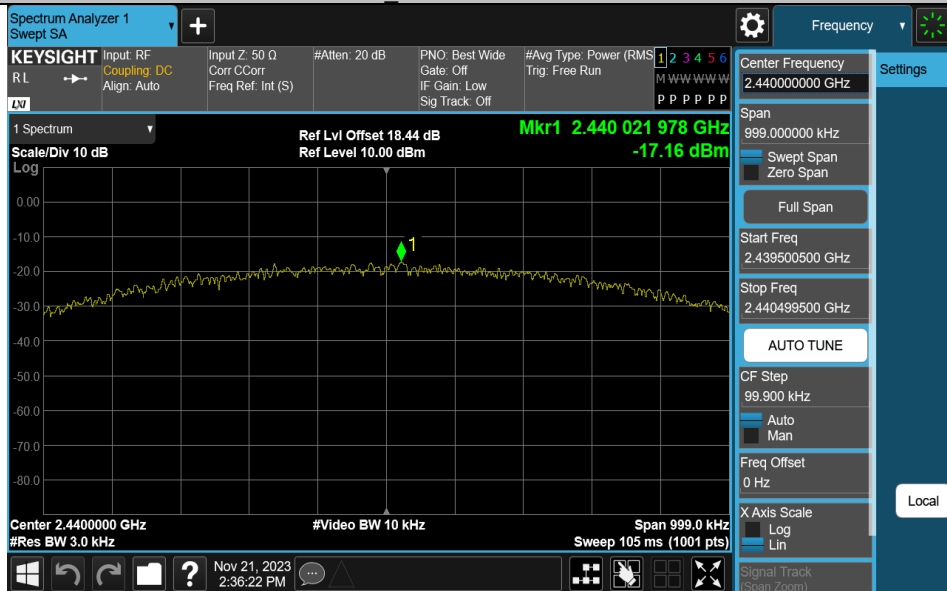
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-17.20	≤8.00	PASS
BLE_1M	Ant1	2440	-17.16	≤8.00	PASS
BLE_1M	Ant1	2480	-16.36	≤8.00	PASS
BLE_2M	Ant1	2402	-21.14	≤8.00	PASS
BLE_2M	Ant1	2440	-21.14	≤8.00	PASS
BLE_2M	Ant1	2480	-20.05	≤8.00	PASS

Test Graphs

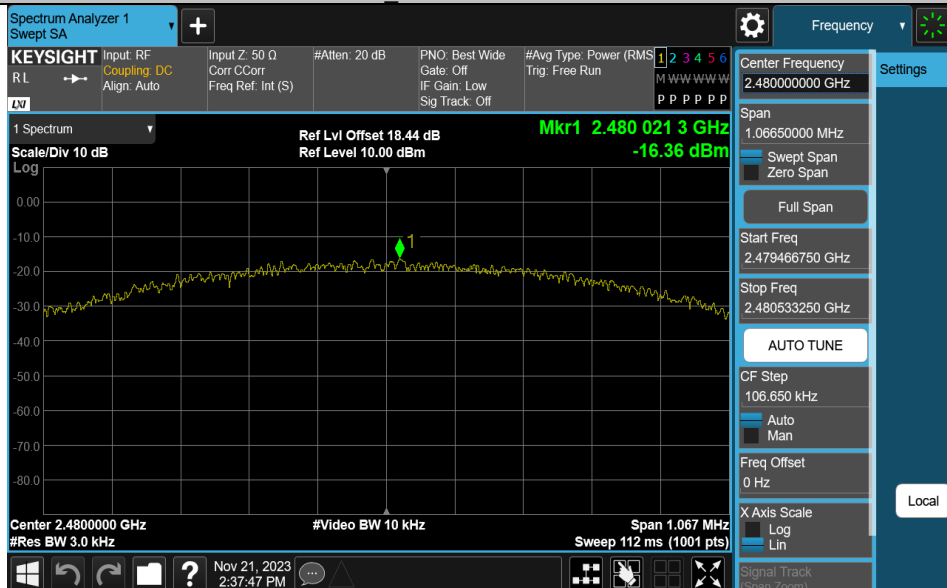
BLE 1M-Ant1-2402-PASS



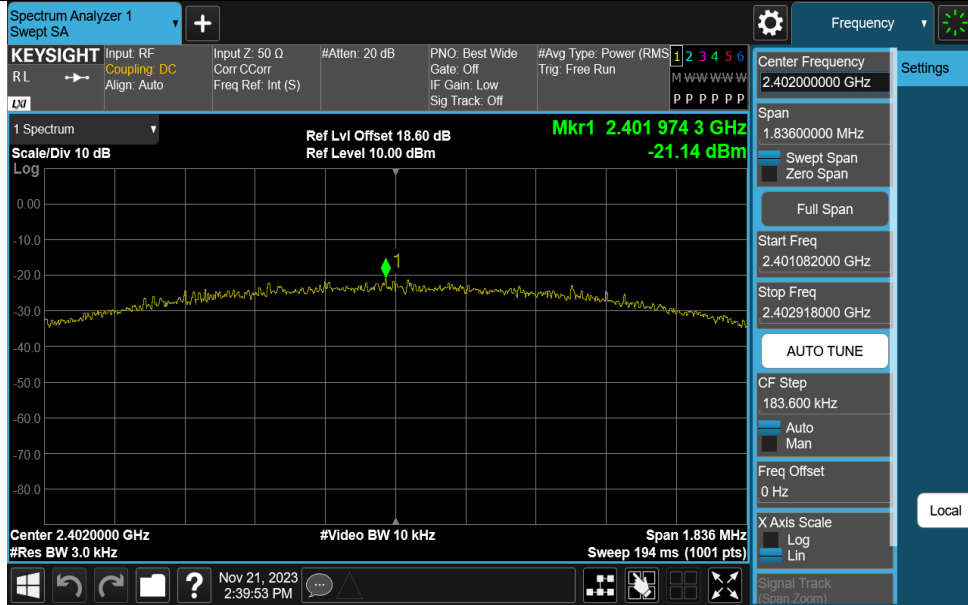
BLE 1M-Ant1-2440-PASS



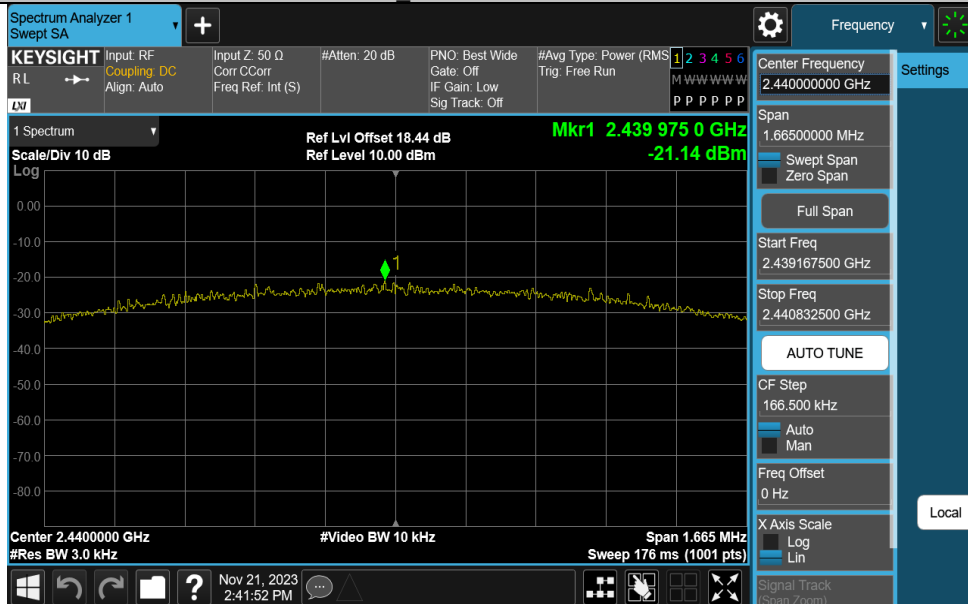
BLE 1M-Ant1-2480-PASS



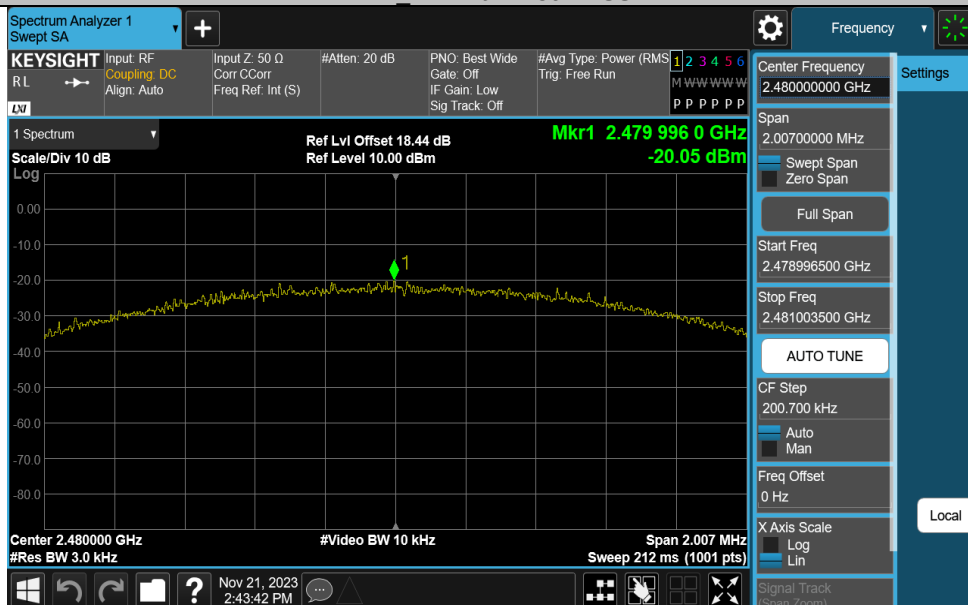
BLE 2M-Ant1-2402-PASS



BLE 2M-Ant1-2440-PASS



BLE 2M-Ant1-2480-PASS



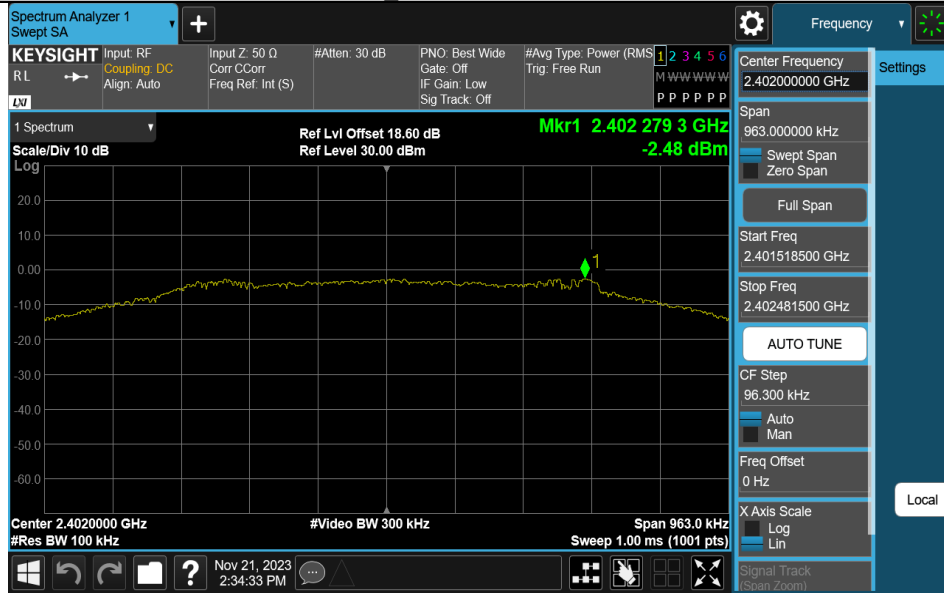
Appendix D: Reference level measurement

Test Result

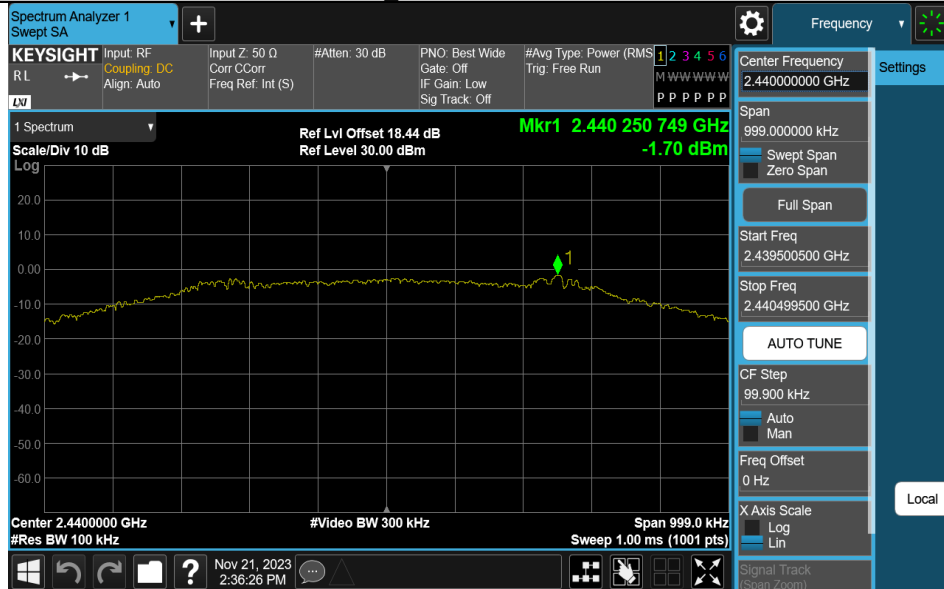
TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
BLE_1M	Ant1	2402	2402.28	-2.48
BLE_1M	Ant1	2440	2440.25	-1.70
BLE_1M	Ant1	2480	2480.28	-1.35
BLE_2M	Ant1	2402	2402.01	-2.80
BLE_2M	Ant1	2440	2439.52	-2.81
BLE_2M	Ant1	2480	2479.51	-1.88

Test Graphs

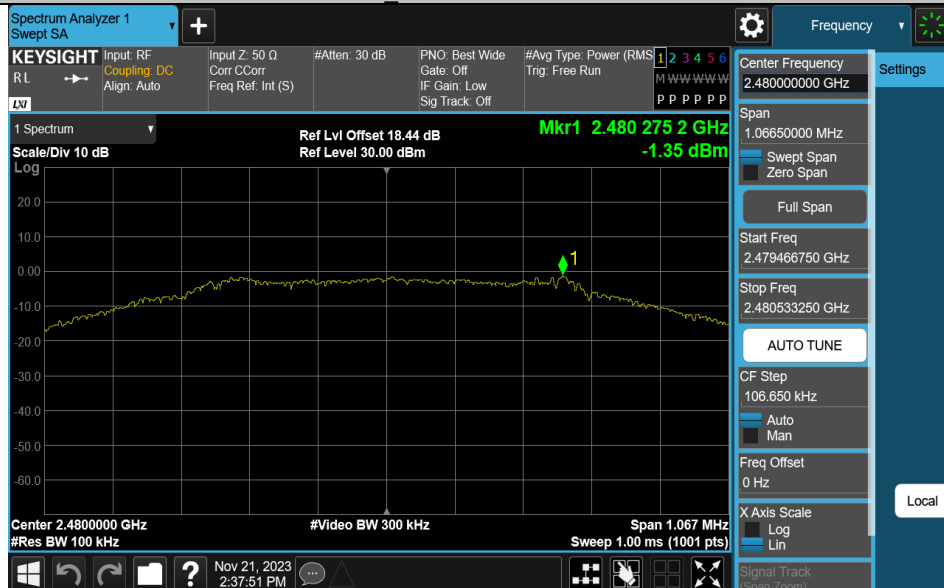
BLE 1M-Ant1-2402-PASS



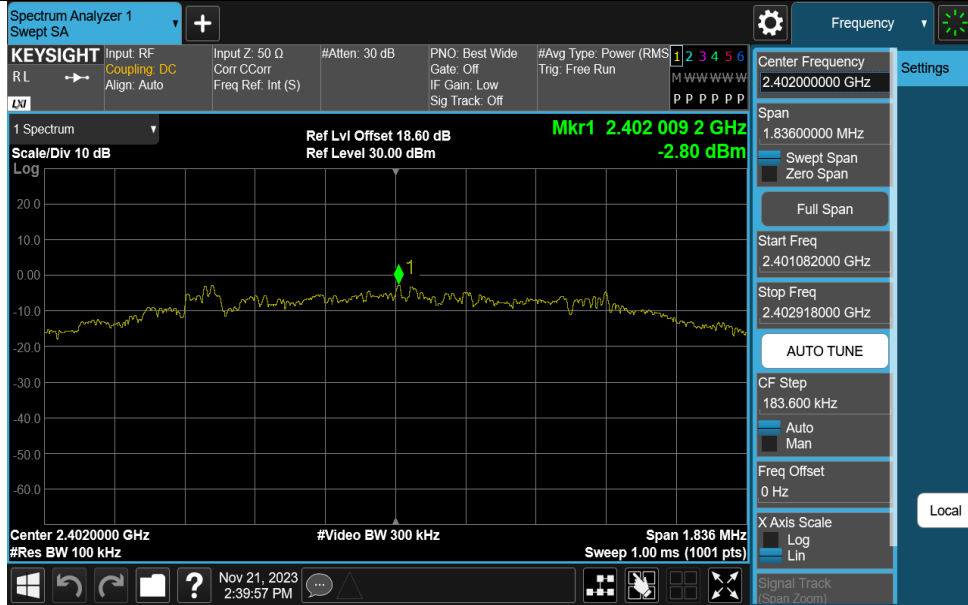
BLE 1M-Ant1-2440-PASS



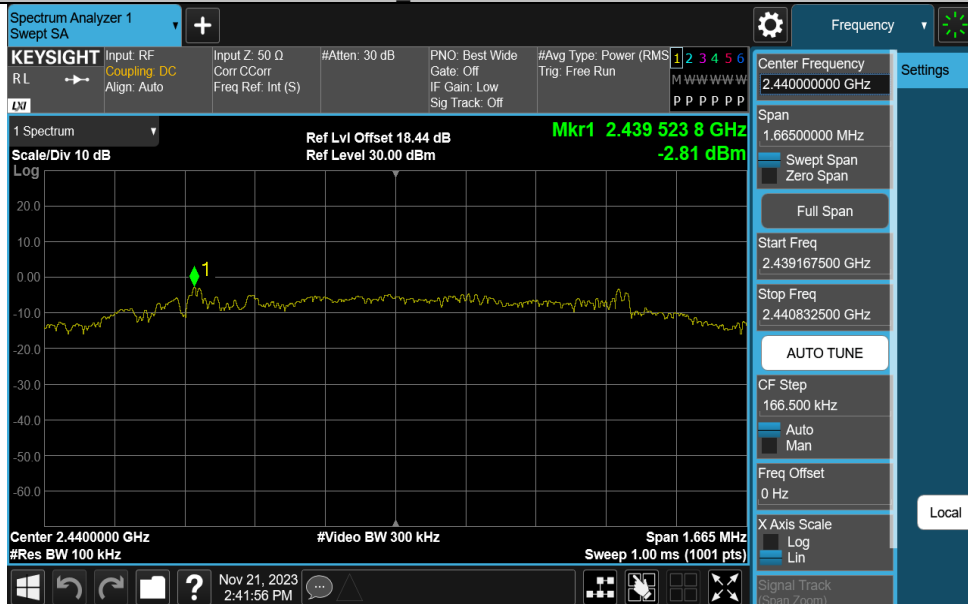
BLE 1M-Ant1-2480-PASS



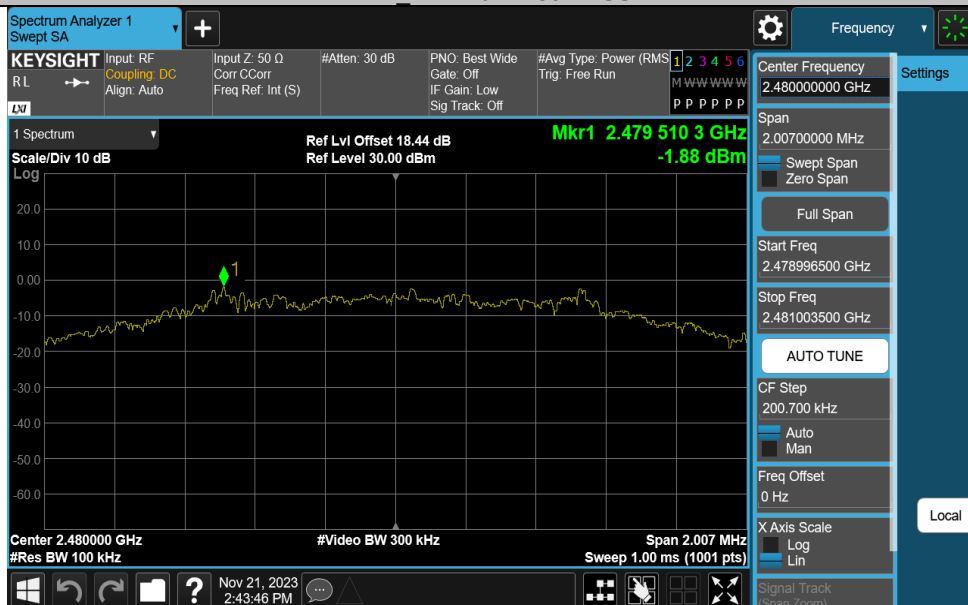
BLE 2M-Ant1-2402-PASS



BLE 2M-Ant1-2440-PASS



BLE 2M-Ant1-2480-PASS



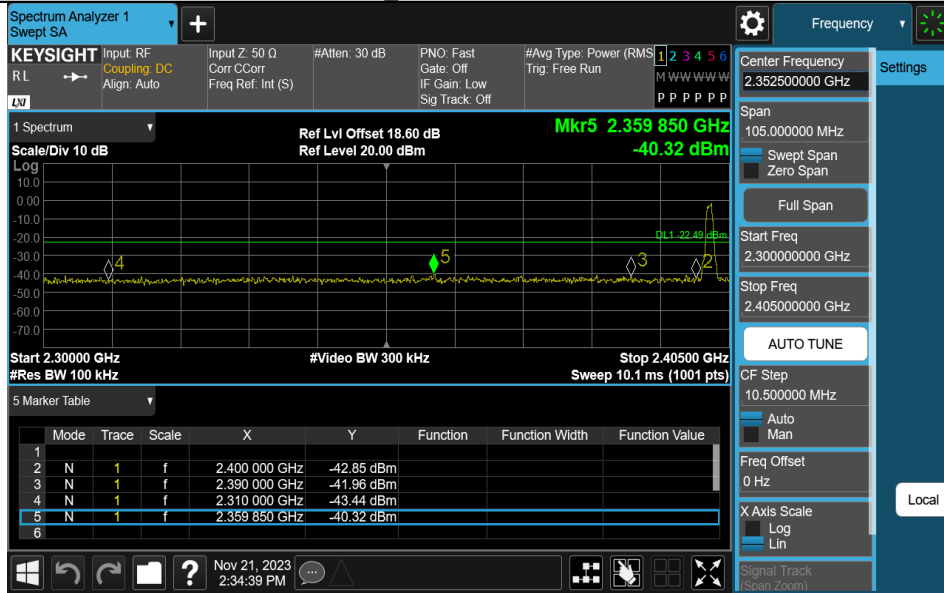
Appendix E: Band edge measurements

Test Result

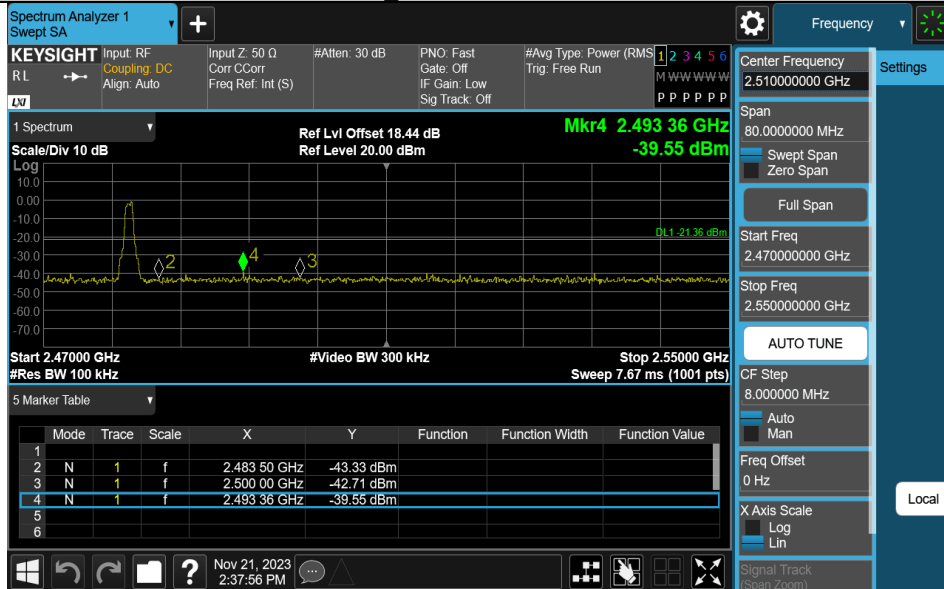
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.49	-40.32	≤ -22.49	PASS
BLE_1M	Ant1	High	2480	-1.36	-39.55	≤ -21.36	PASS
BLE_2M	Ant1	Low	2402	-2.80	-35.32	≤ -22.8	PASS
BLE_2M	Ant1	High	2480	-1.88	-40.13	≤ -21.88	PASS

Test Graphs

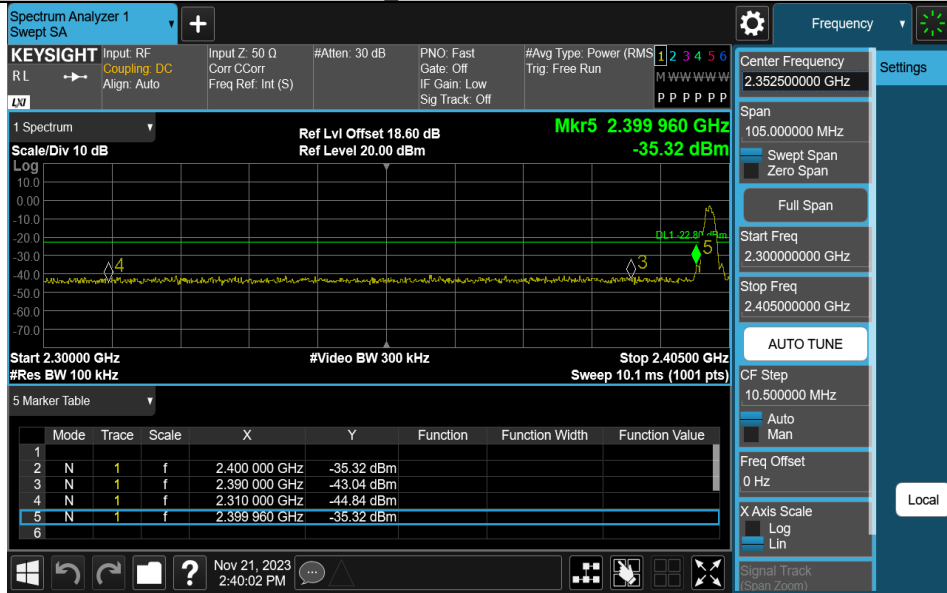
BLE 1M-Ant1-2402-PASS



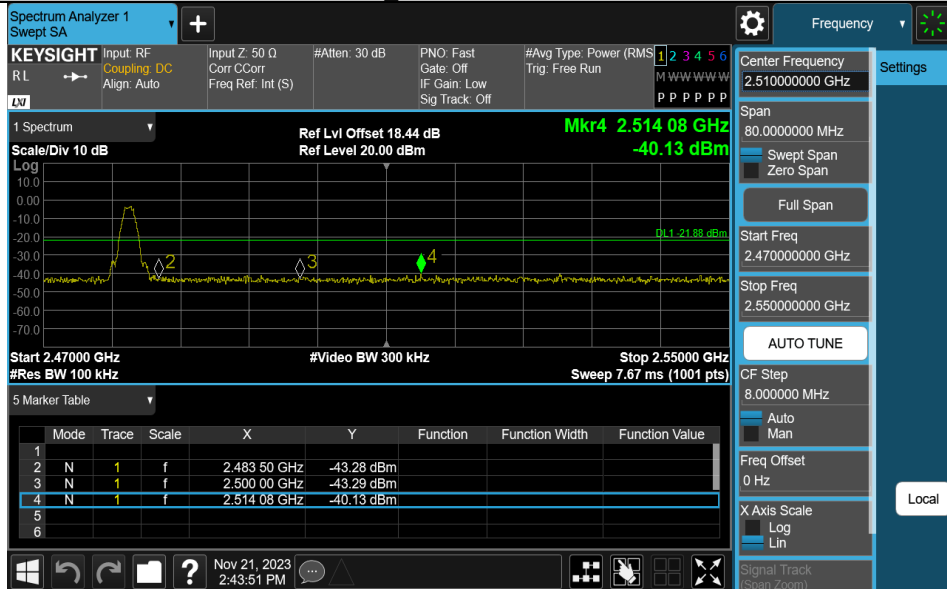
BLE 1M-Ant1-2480-PASS



BLE 2M-Ant1-2402-PASS



BLE 2M-Ant1-2480-PASS



Appendix F: Conducted Spurious Emission Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	30~26500	-2.49	-42.23	≤-22.49	PASS
BLE_1M	Ant1	2440	30~26500	-1.70	-41.61	≤-21.7	PASS
BLE_1M	Ant1	2480	30~26500	-1.36	-41.85	≤-21.36	PASS
BLE_2M	Ant1	2402	30~26500	-2.80	-42.86	≤-22.8	PASS
BLE_2M	Ant1	2440	30~26500	-2.81	-42.19	≤-22.81	PASS
BLE_2M	Ant1	2480	30~26500	-1.88	-42	≤-21.88	PASS

Test Graphs

BLE 1M-Ant1-2402-30~26500-PASS



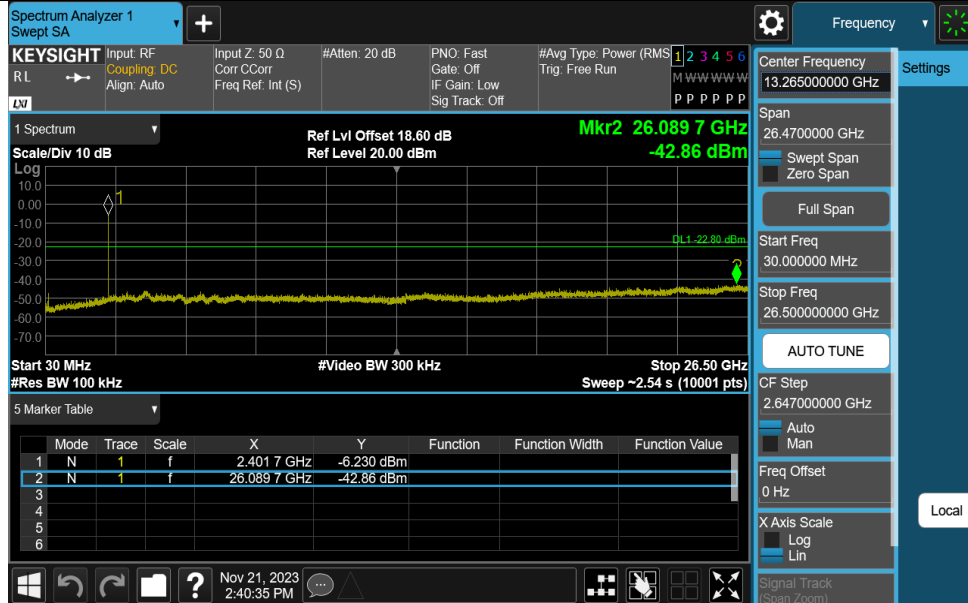
BLE 1M-Ant1-2440-30~26500-PASS



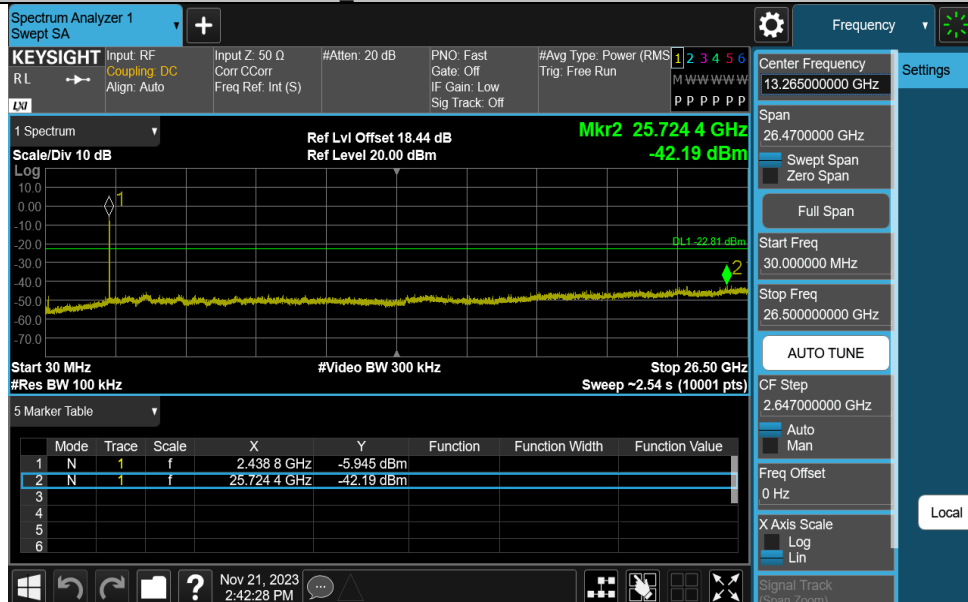
BLE 1M-Ant1-2480-30~26500-PASS



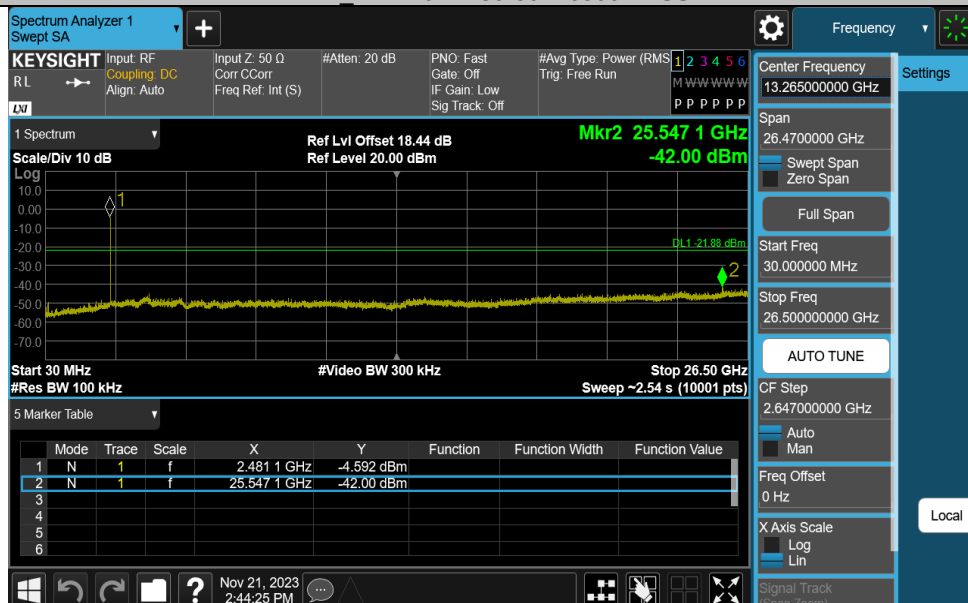
BLE 2M-Ant1-2402-30~26500-PASS



BLE 2M-Ant1-2440-30~26500-PASS



BLE 2M-Ant1-2480-30~26500-PASS



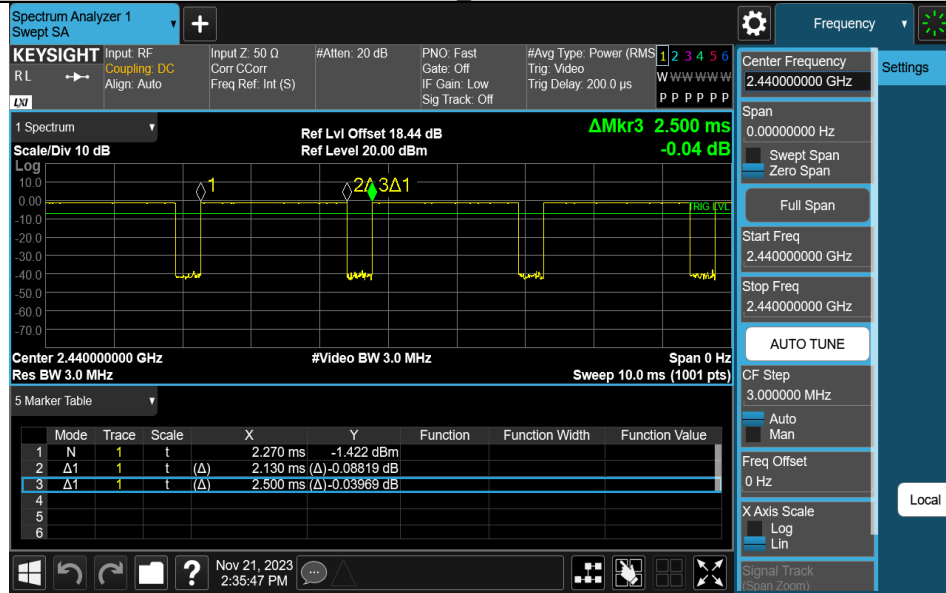
Appendix G: Duty Cycle

Test Result

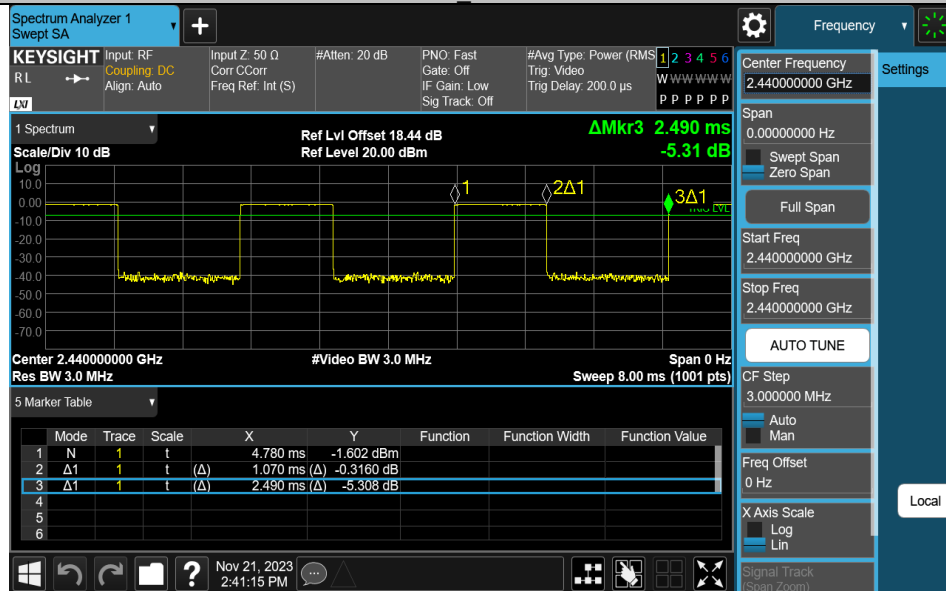
Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2440	2.13	2.50	85.20	0.70
BLE_2M	Ant1	2440	1.07	2.49	42.97	3.67

Test Graphs

NTNV-BLE 1M-Ant1-2440

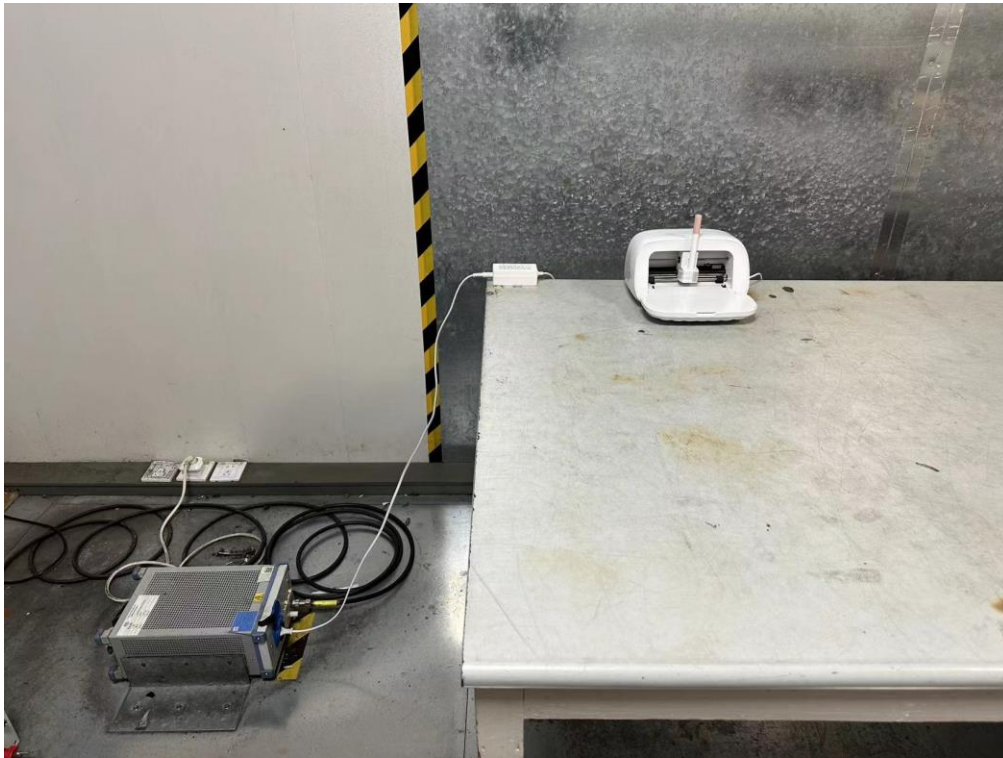


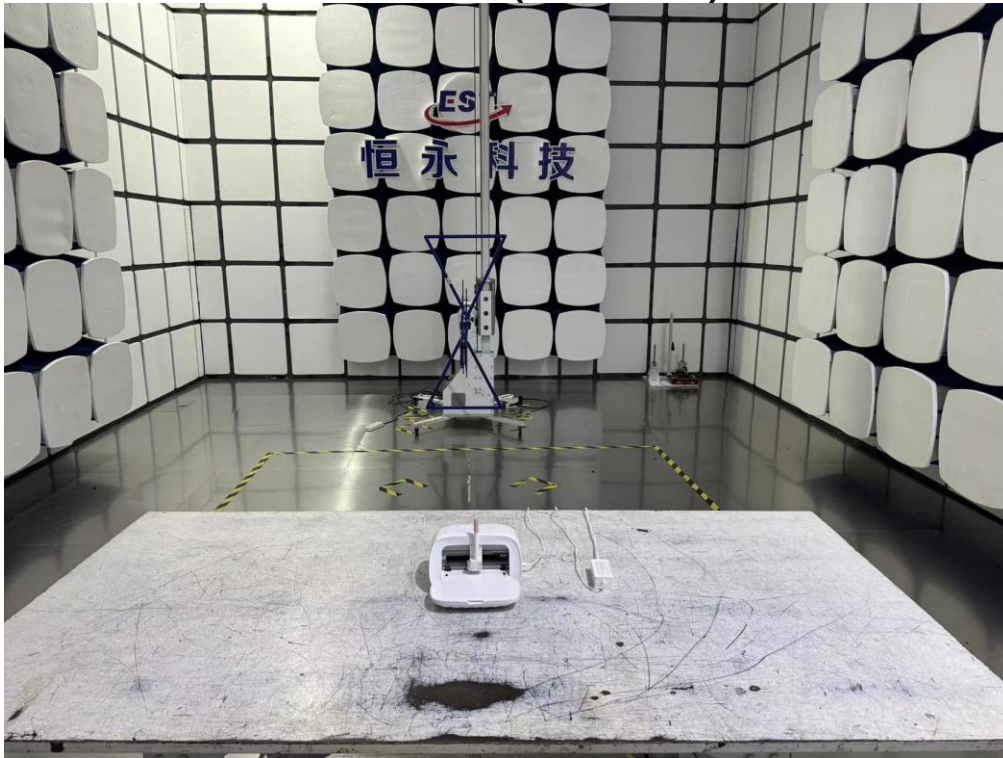
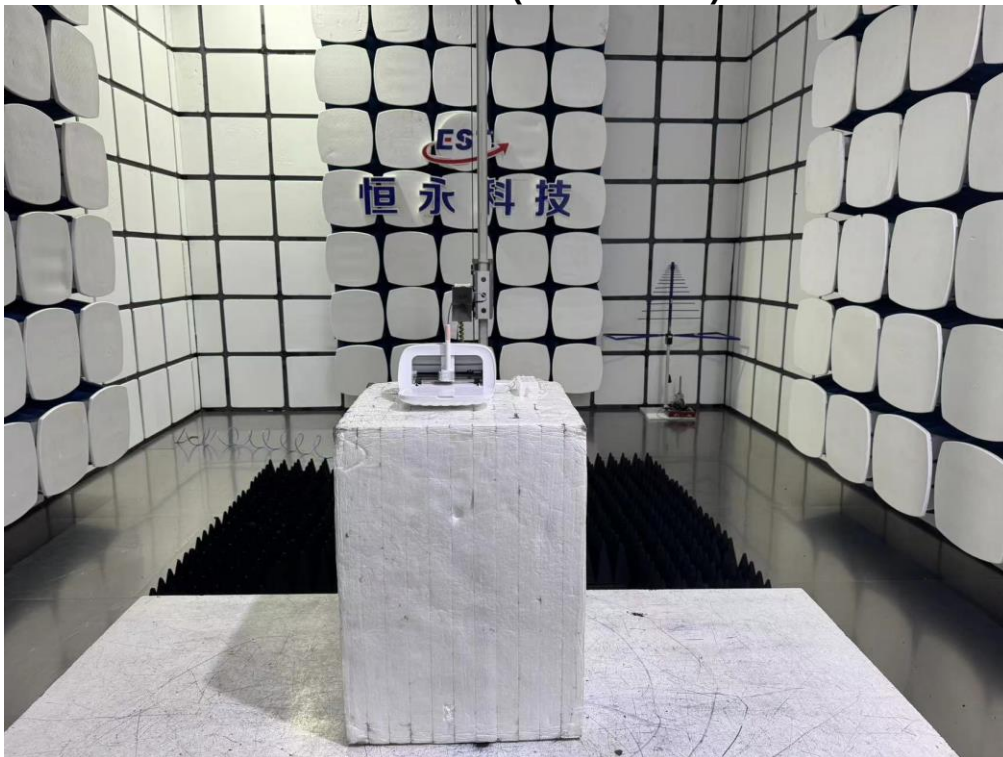
NTNV-BLE 2M-Ant1-2440



12. TEST SETUP PHOTO

Conducted Test



Radiated Test (Below 1GHz)**Radiated Test (Above 1GHz)**

13. EUT PHOTO

External Photos
M/N: SA501



External Photos
M/N: SA501



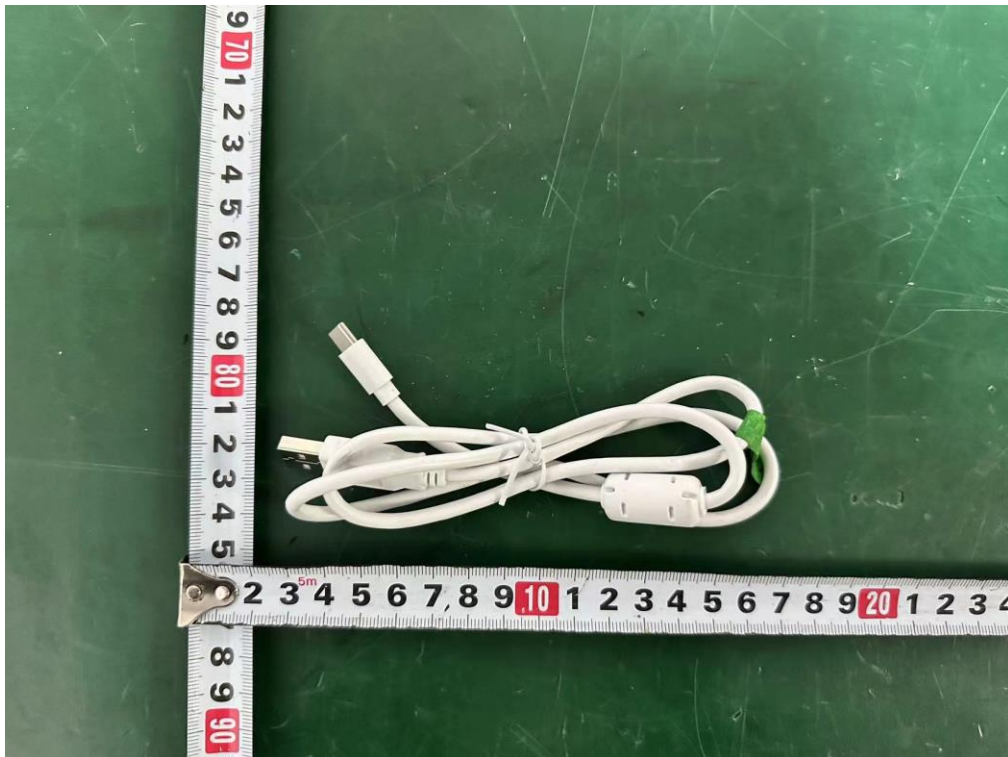
External Photos
M/N: SA501



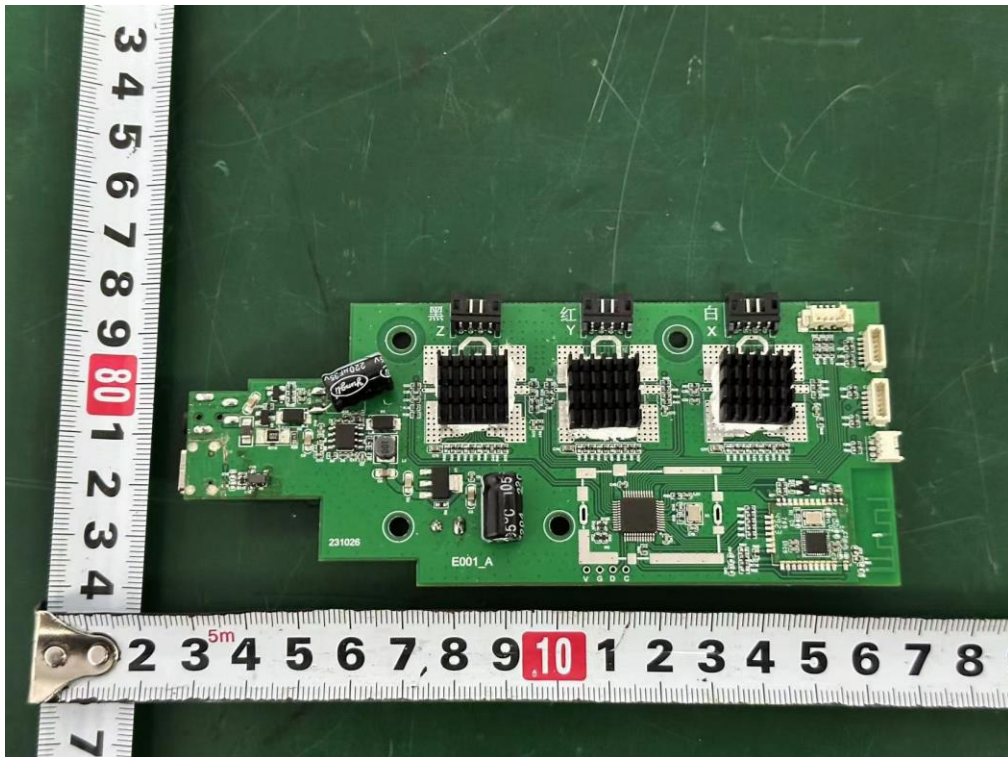
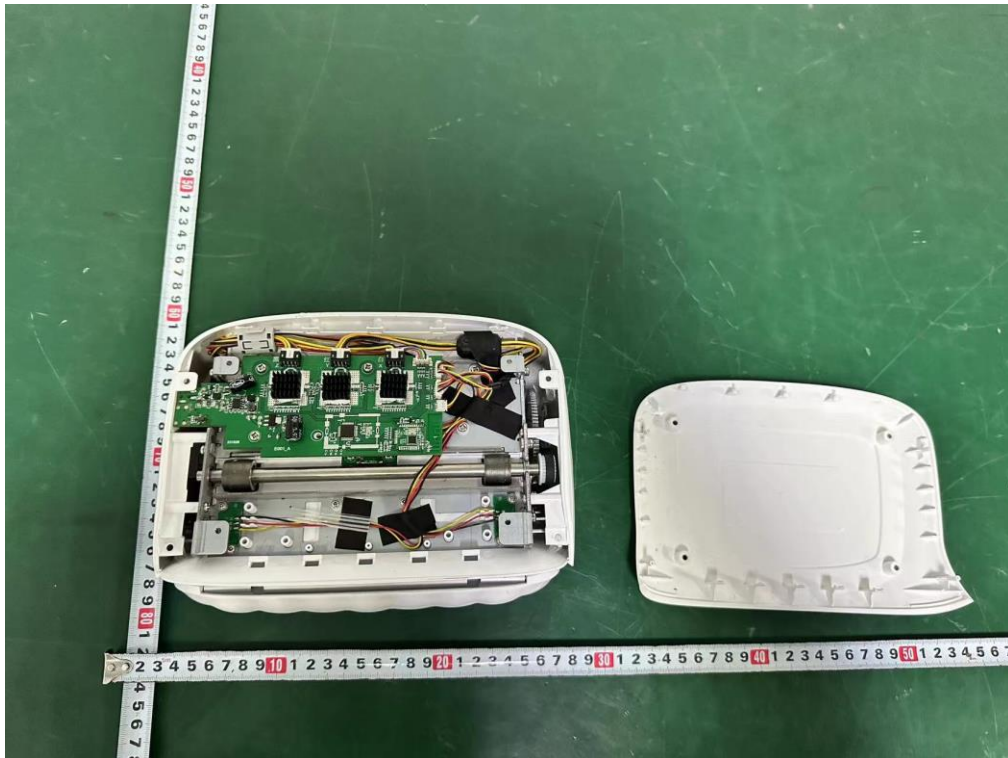
External Photos
M/N: SA501



External Photos
M/N: SA501

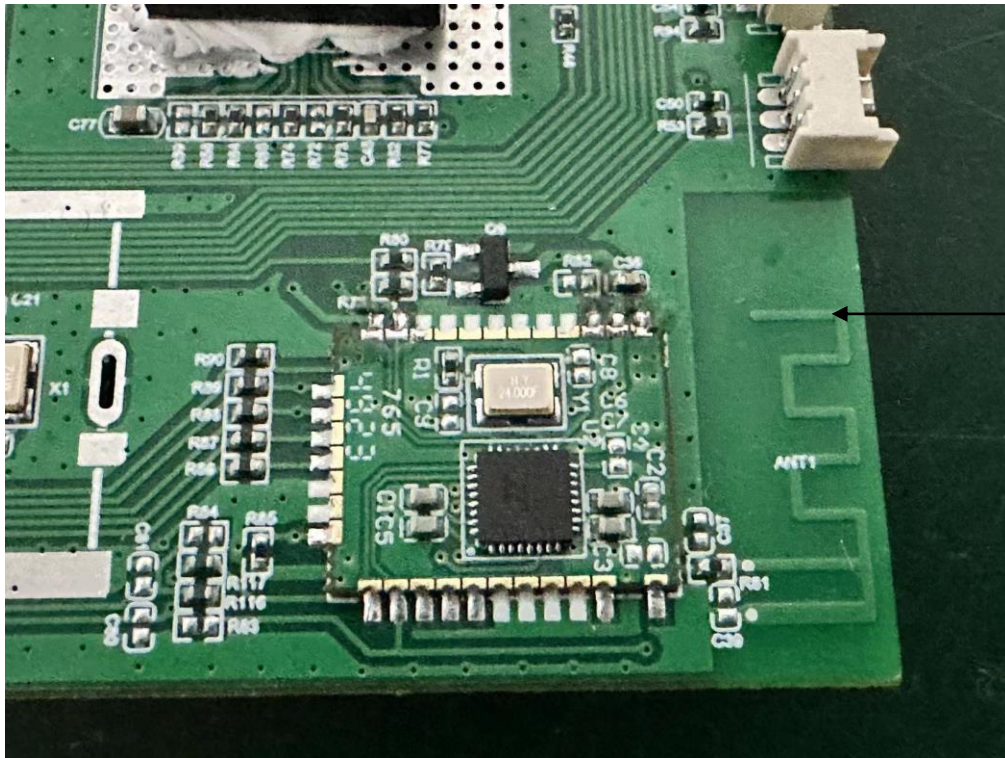


Internal Photos M/N: SA501

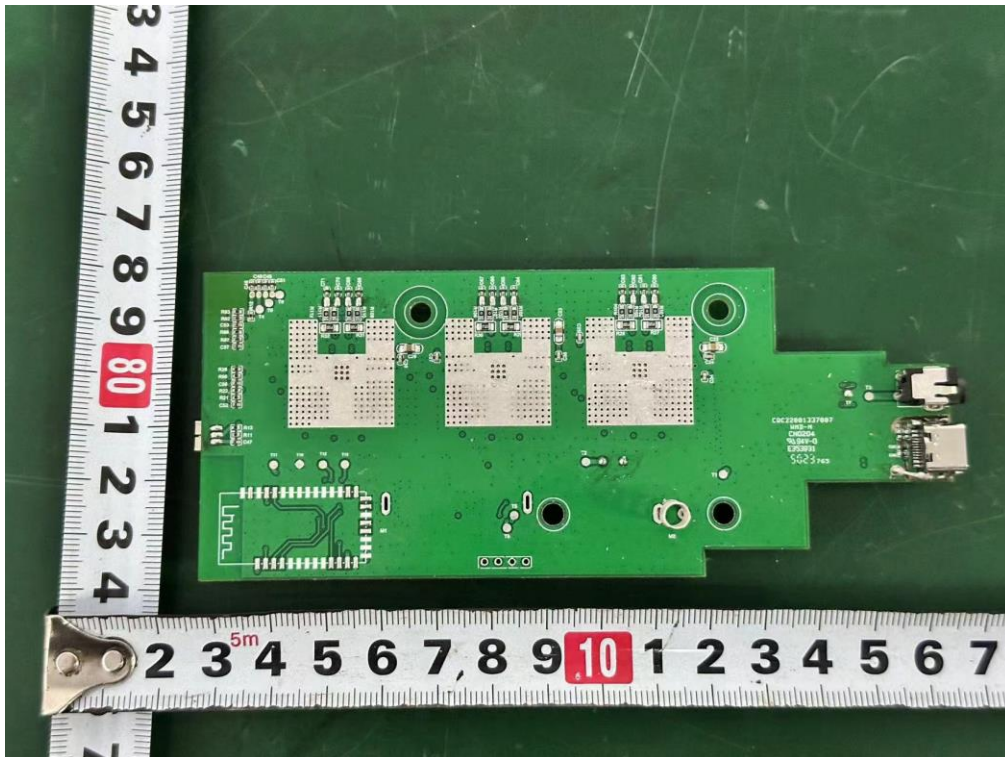


Internal Photos

M/N: SA501

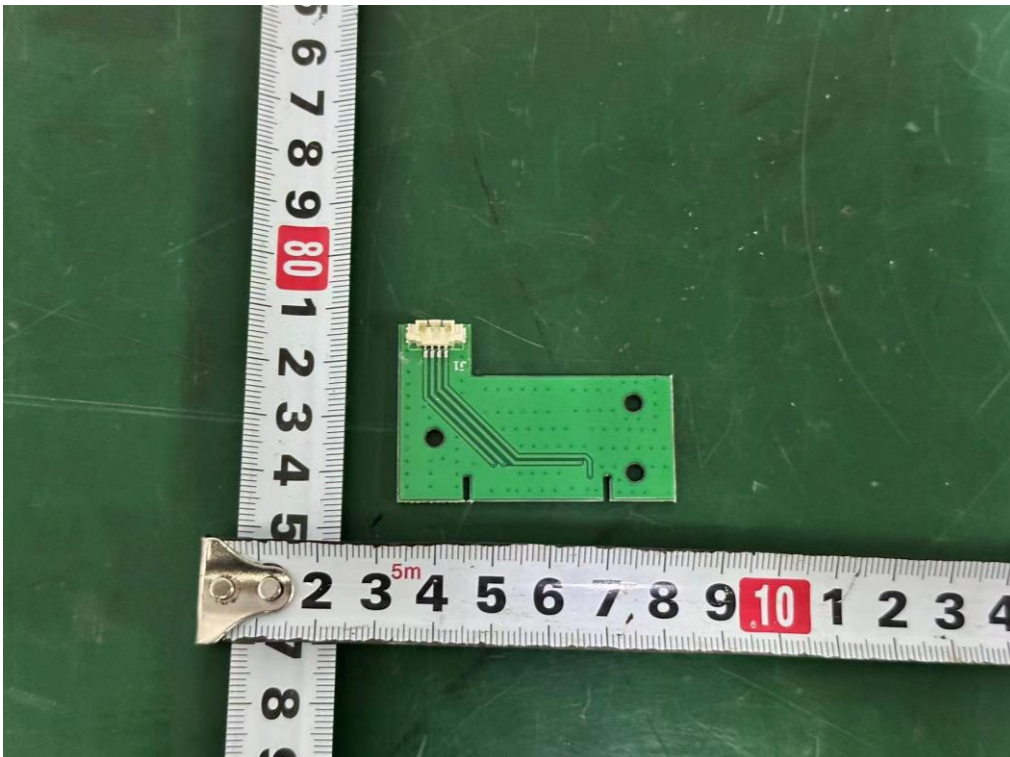
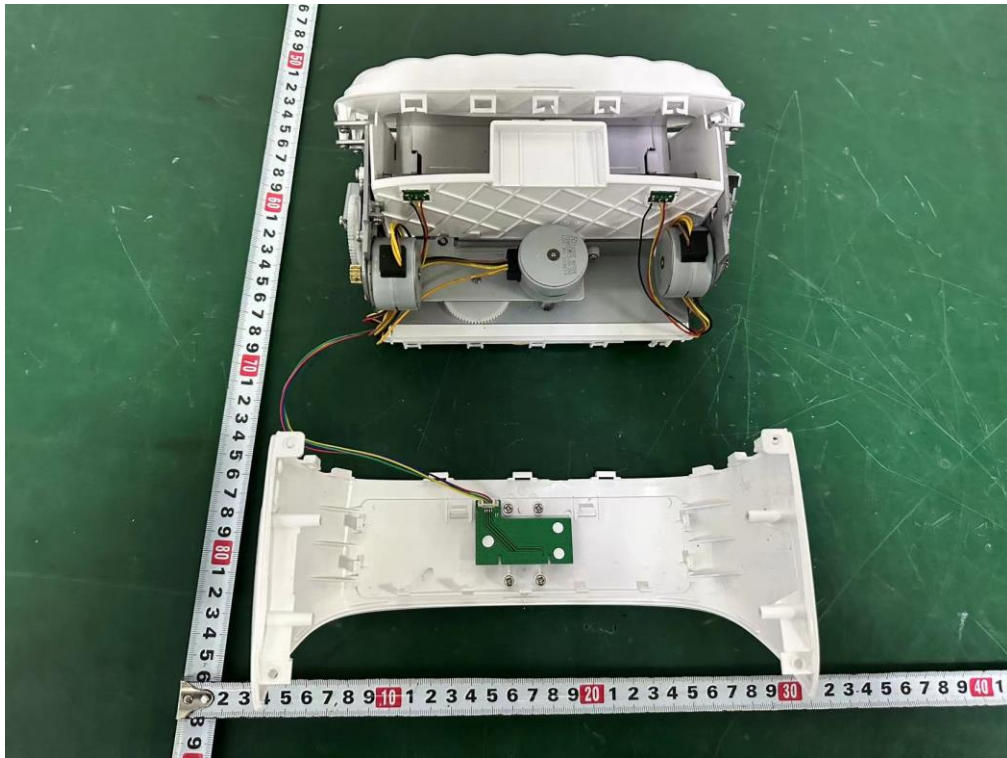


Bluetooth
Antenna



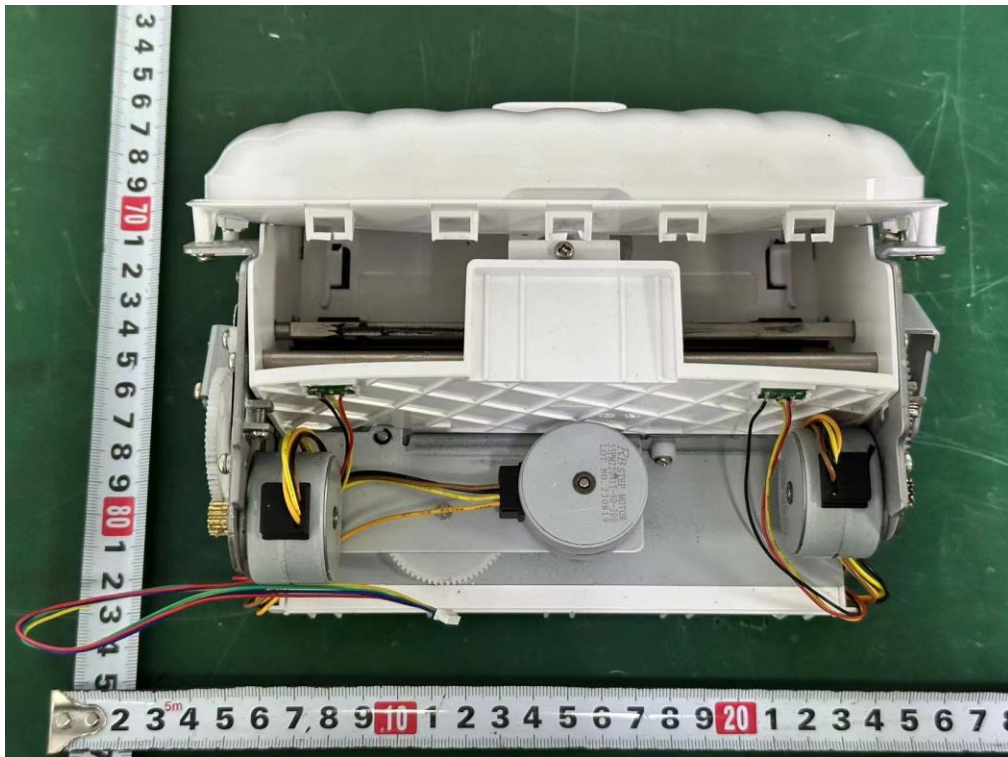
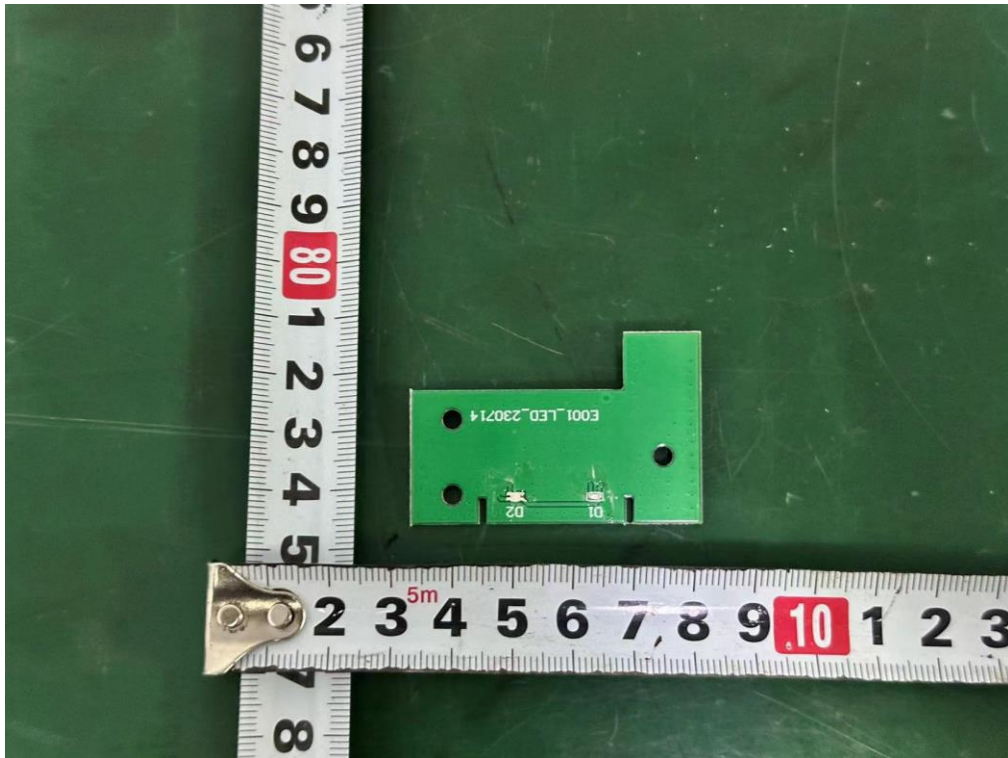
Internal Photos

M/N: SA501



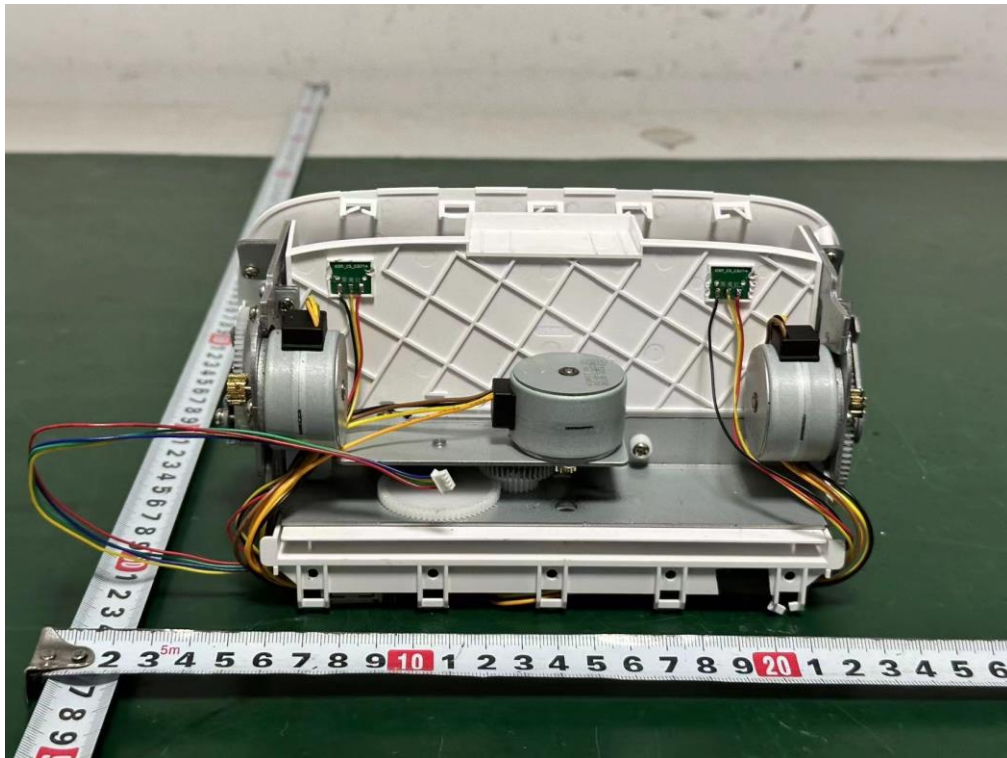
Internal Photos

M/N: SA501



Internal Photos

M/N: SA501



End of Test Report