

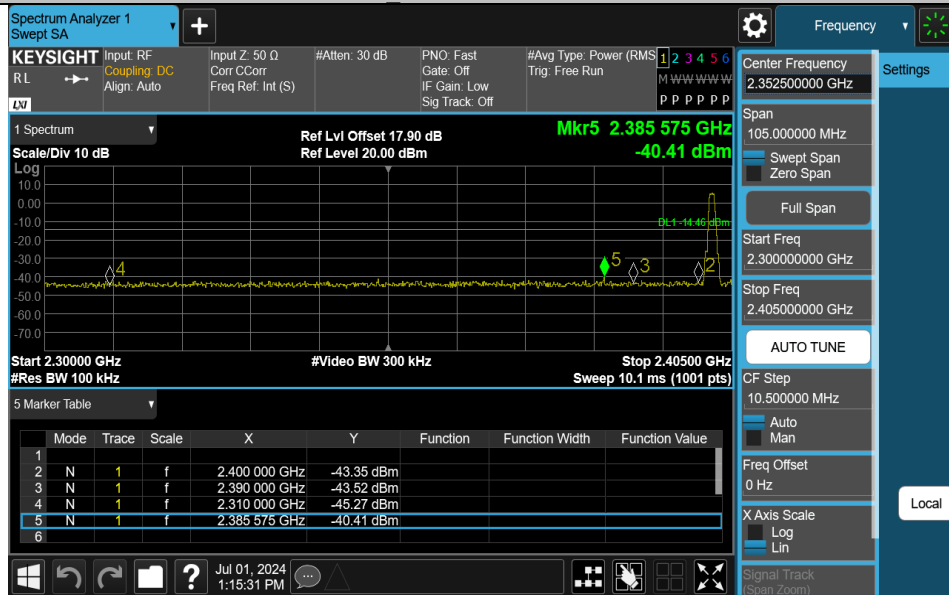


Appendix E: Band edge measurements
Test Result

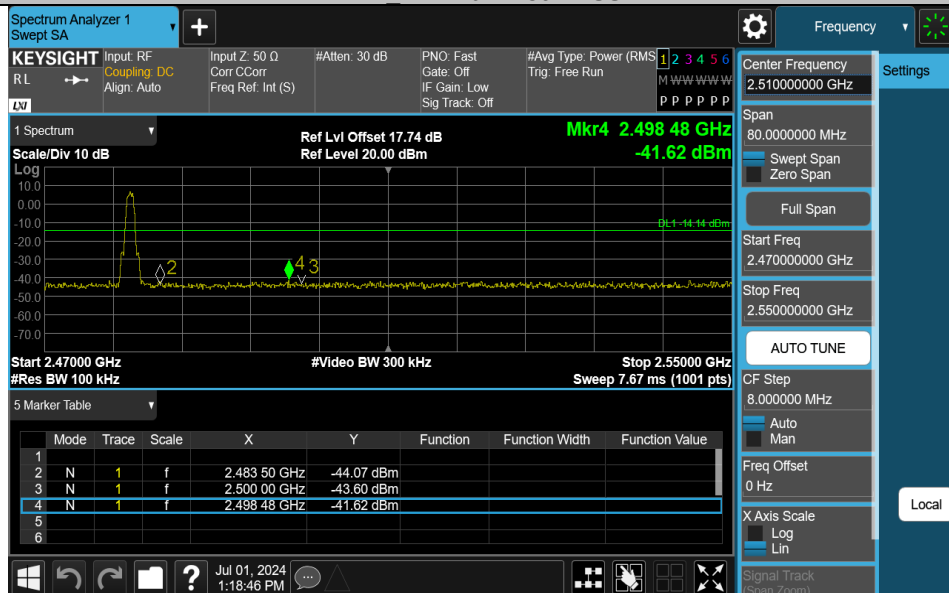
Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	5.54	-40.41	≤-14.46	PASS
BLE_1M	Ant1	High	2480	5.86	-41.62	≤-14.14	PASS
BLE_2M	Ant1	Low	2402	6.39	-41.14	≤-13.61	PASS
BLE_2M	Ant1	High	2480	6.39	-41.45	≤-13.61	PASS

Test Graphs

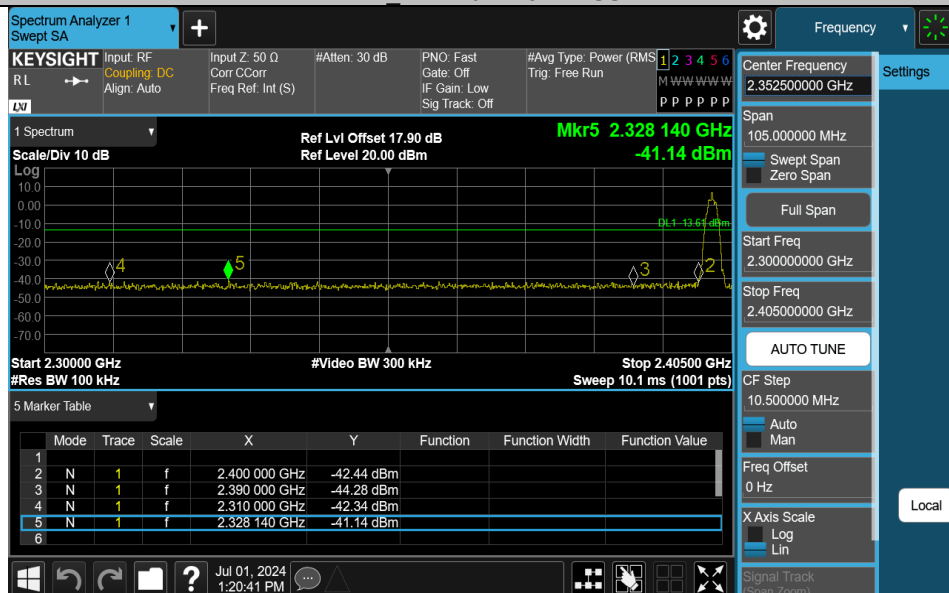
BLE 1M-Ant1-2402-PASS



BLE 1M-Ant1-2480-PASS

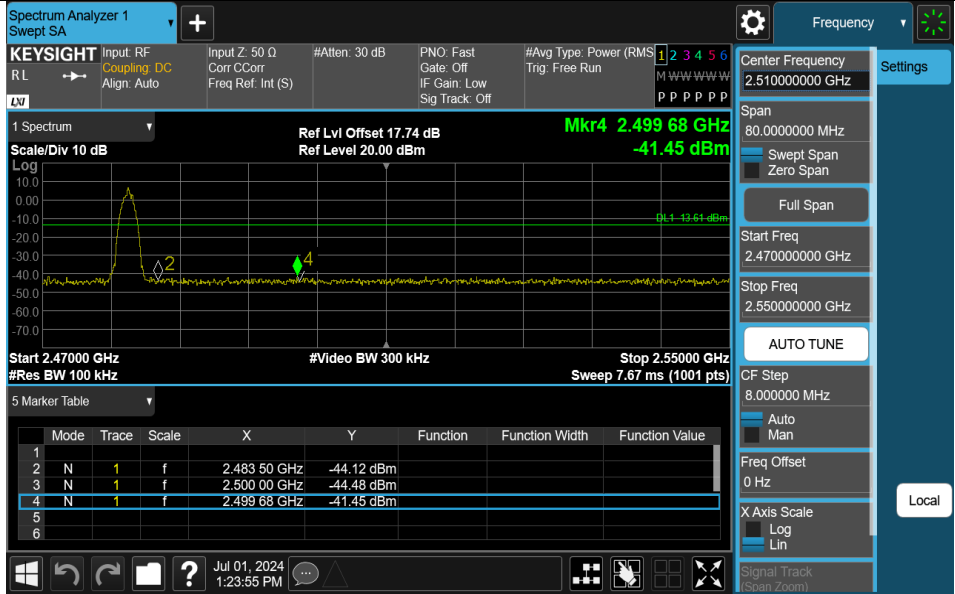


BLE 2M-Ant1-2402-PASS





BLE 2M-Ant1-2480-PASS

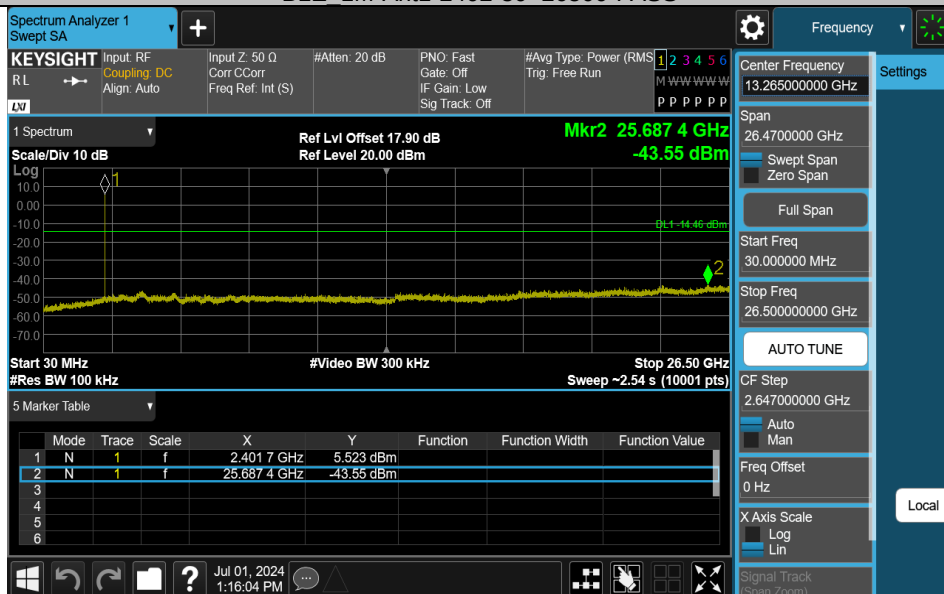


Appendix F: Conducted Spurious Emission Test Result

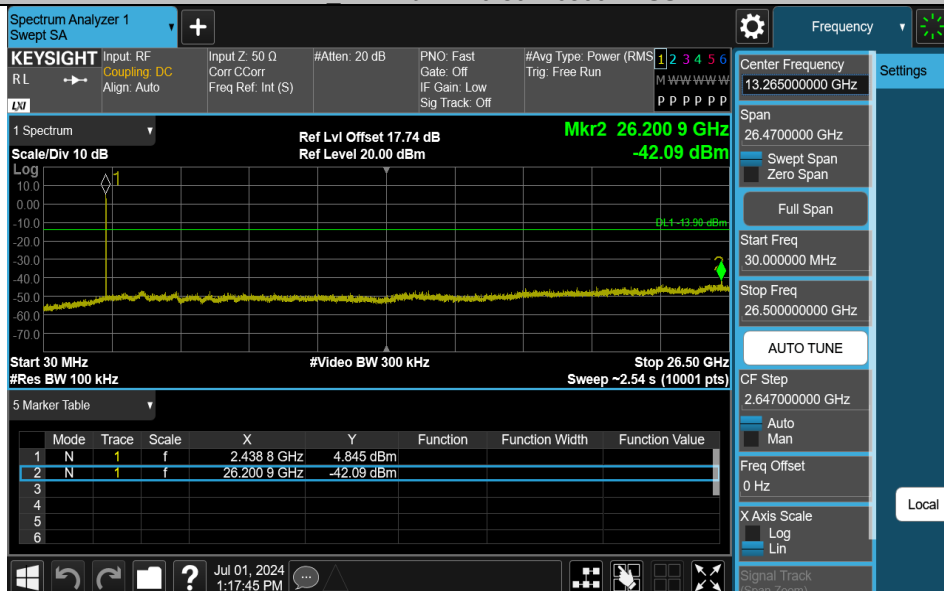
Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	30~26500	5.54	-43.55	≤ -14.46	PASS
BLE_1M	Ant1	2440	30~26500	6.10	-42.09	≤ -13.9	PASS
BLE_1M	Ant1	2480	30~26500	5.86	-43.12	≤ -14.14	PASS
BLE_2M	Ant1	2402	30~26500	6.39	-43.05	≤ -13.61	PASS
BLE_2M	Ant1	2440	30~26500	5.72	-43.53	≤ -14.28	PASS
BLE_2M	Ant1	2480	30~26500	6.39	-42.78	≤ -13.61	PASS

Test Graphs

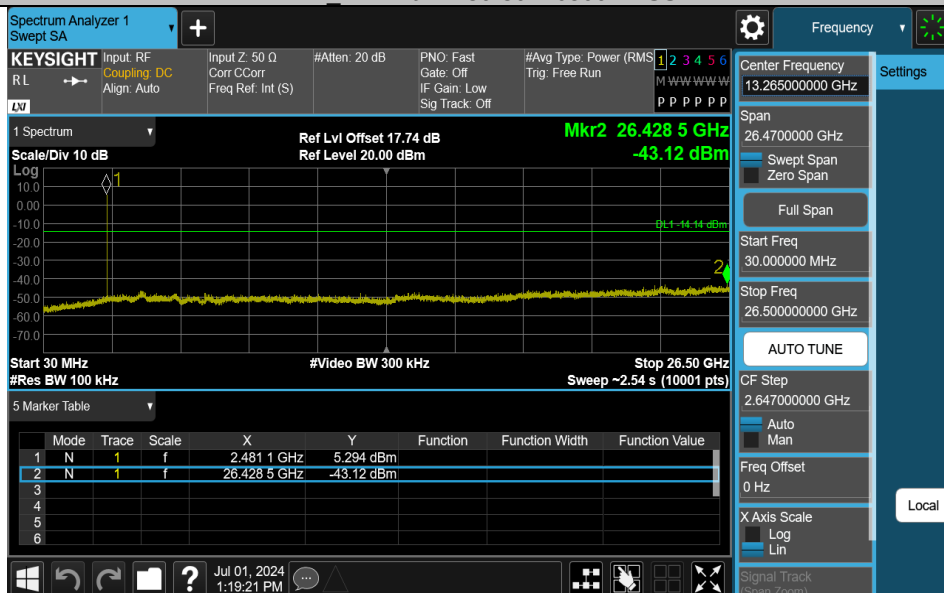
BLE 1M-Ant1-2402-30~26500-PASS



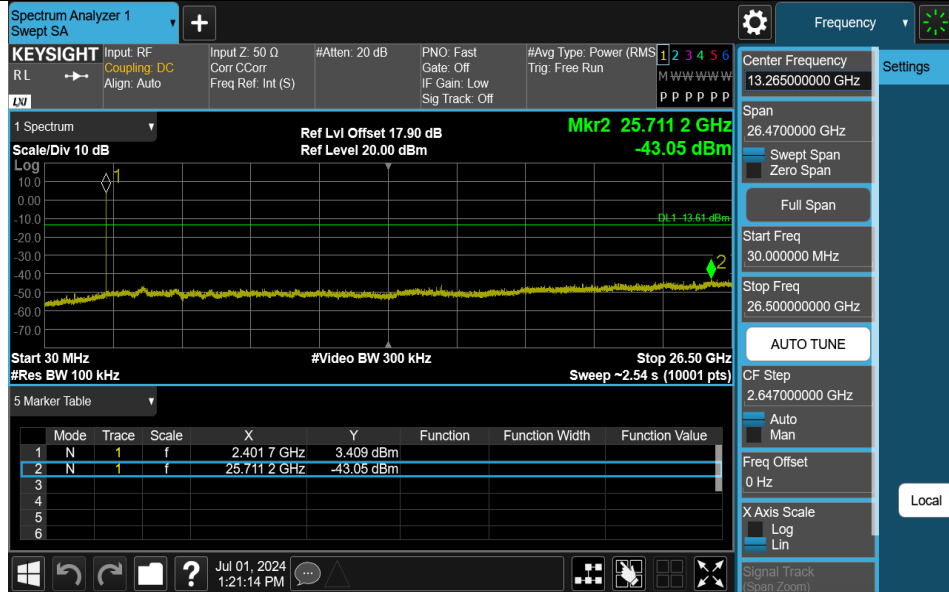
BLE 1M-Ant1-2440-30~26500-PASS



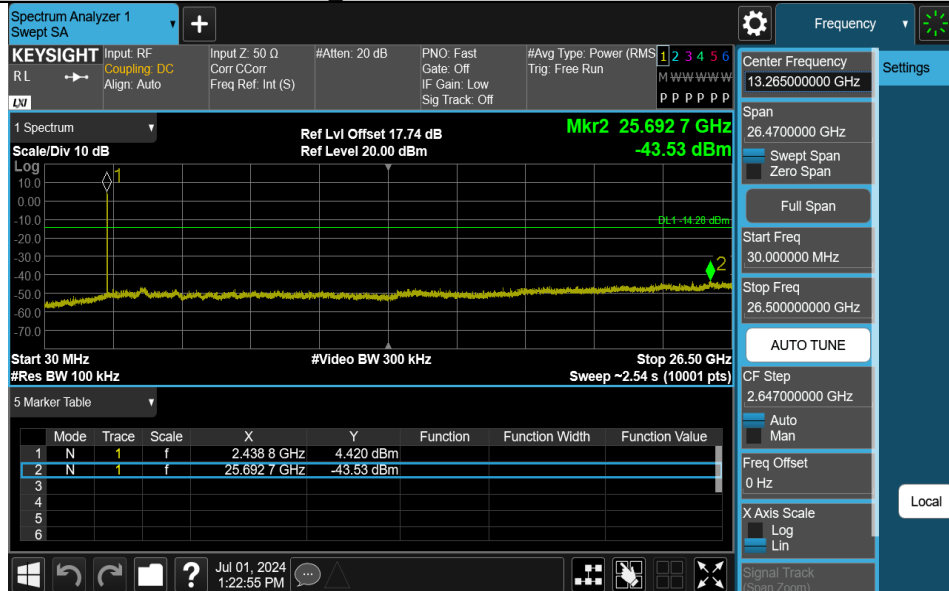
BLE 1M-Ant1-2480-30~26500-PASS



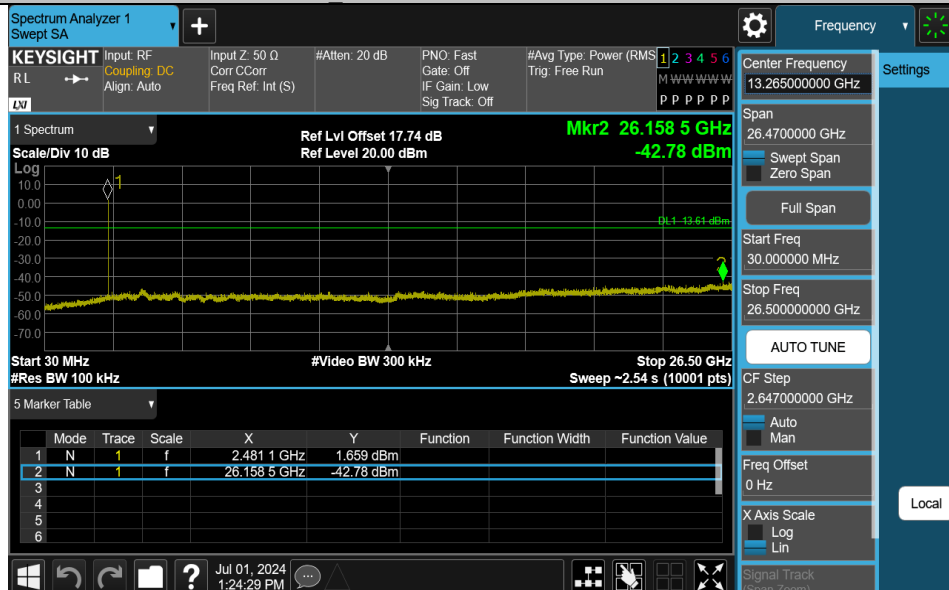
BLE 2M-Ant1-2402-30~26500-PASS



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



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



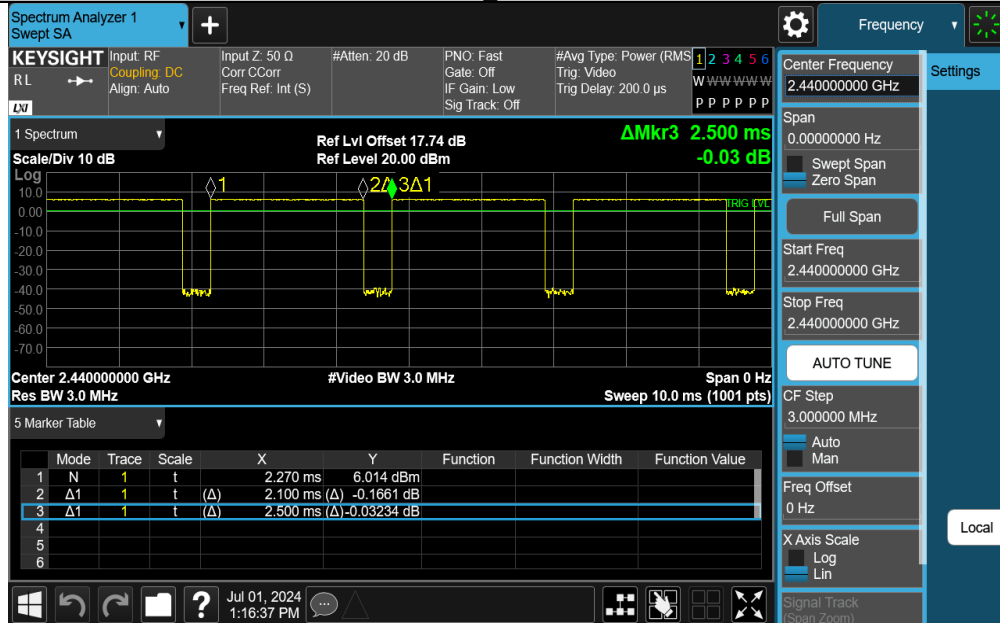
Appendix G: Duty Cycle

Test Result

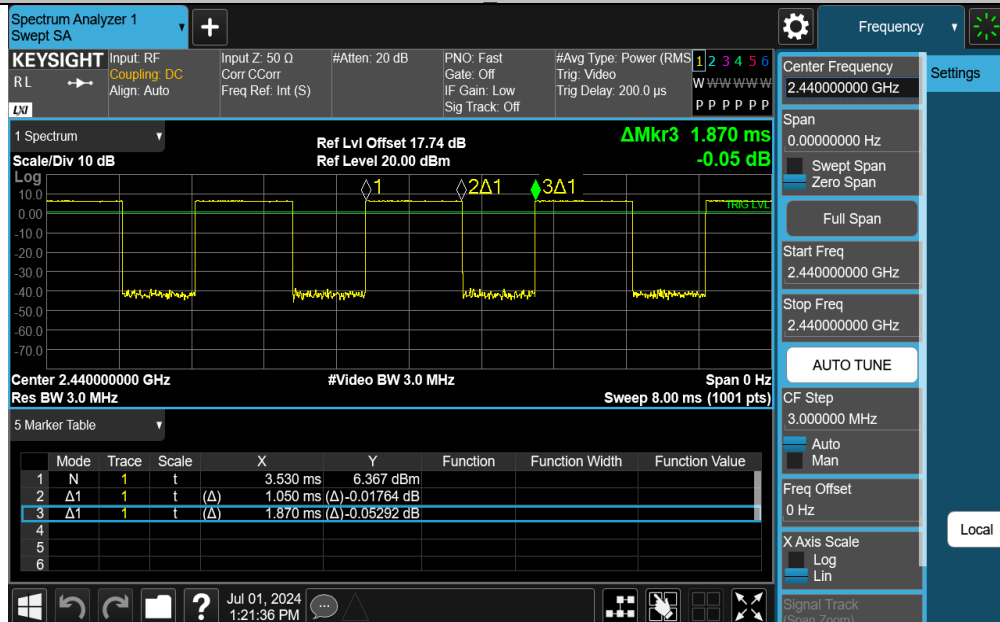
Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2440	2.10	2.50	84.00	0.76
BLE_2M	Ant1	2440	1.05	1.87	56.15	2.51

Test Graphs

NTNV-BLE_1M-Ant1-2440

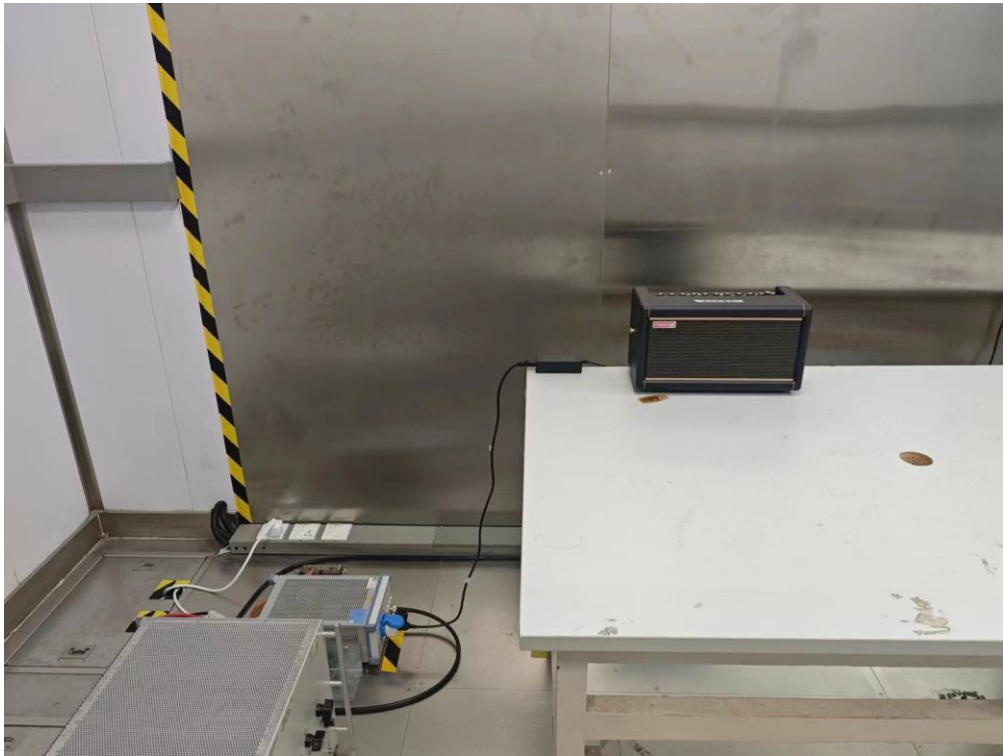


NTNV-BLE_2M-Ant1-2440

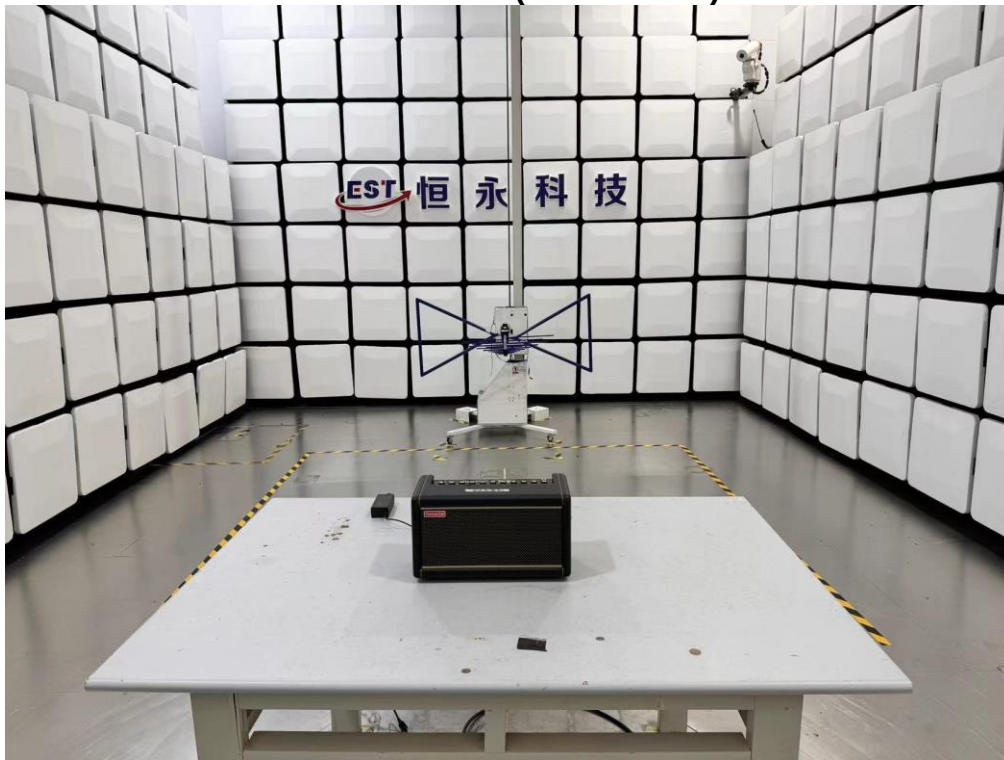


12. TEST SETUP PHOTO

Conducted Test



Radiated Test (Below 1GHz)



Radiated Test (Above 1GHz)



13. EUT PHOTO

External Photos

M/N: Spark 2



External Photos

M/N: Spark 2



External Photos

M/N: Spark 2



External Photos

M/N: Spark 2



External Photos

M/N: Spark 2



External Photos

M/N: Spark 2



External Photos

M/N: Spark 2

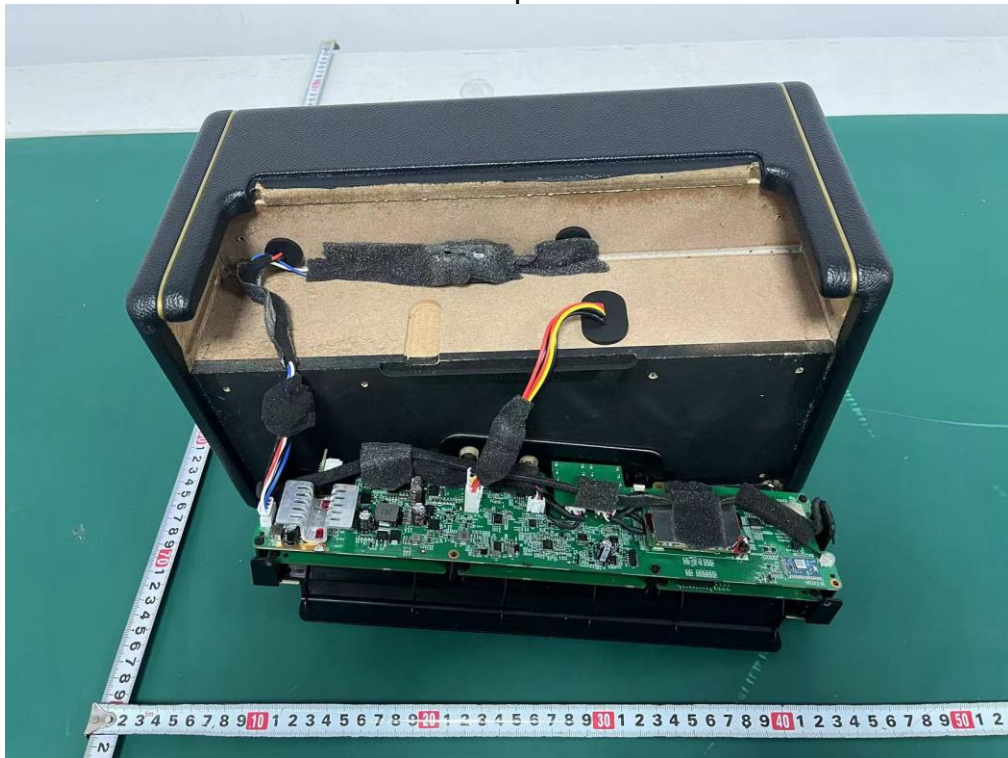


Internal Photos

M/N: Spark 2

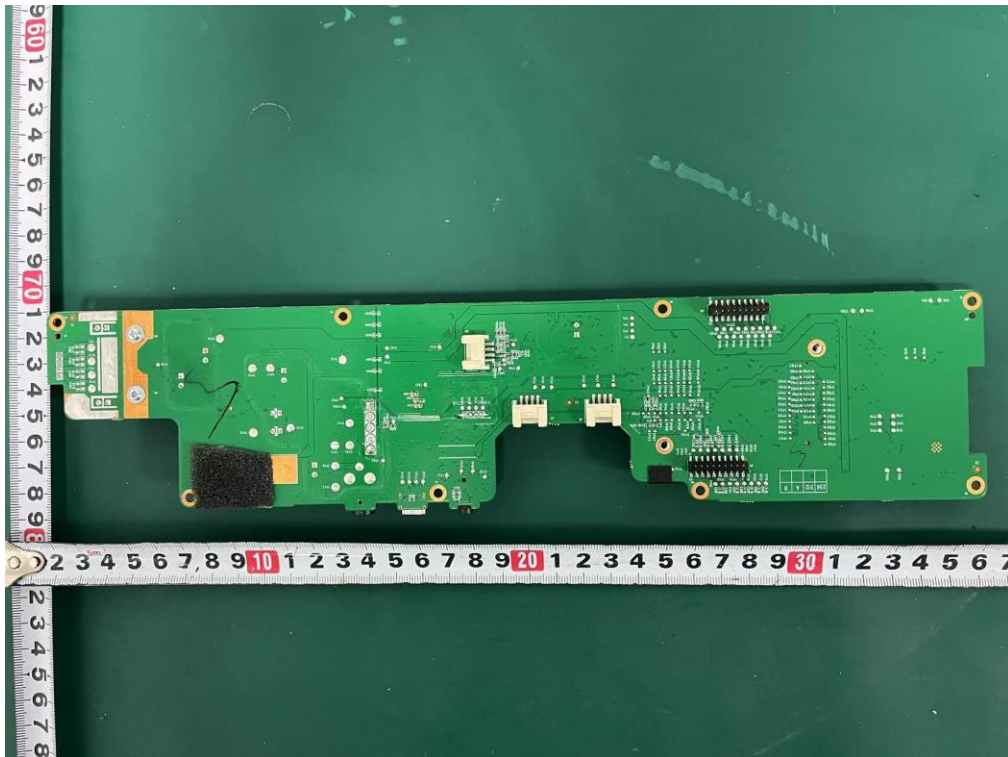
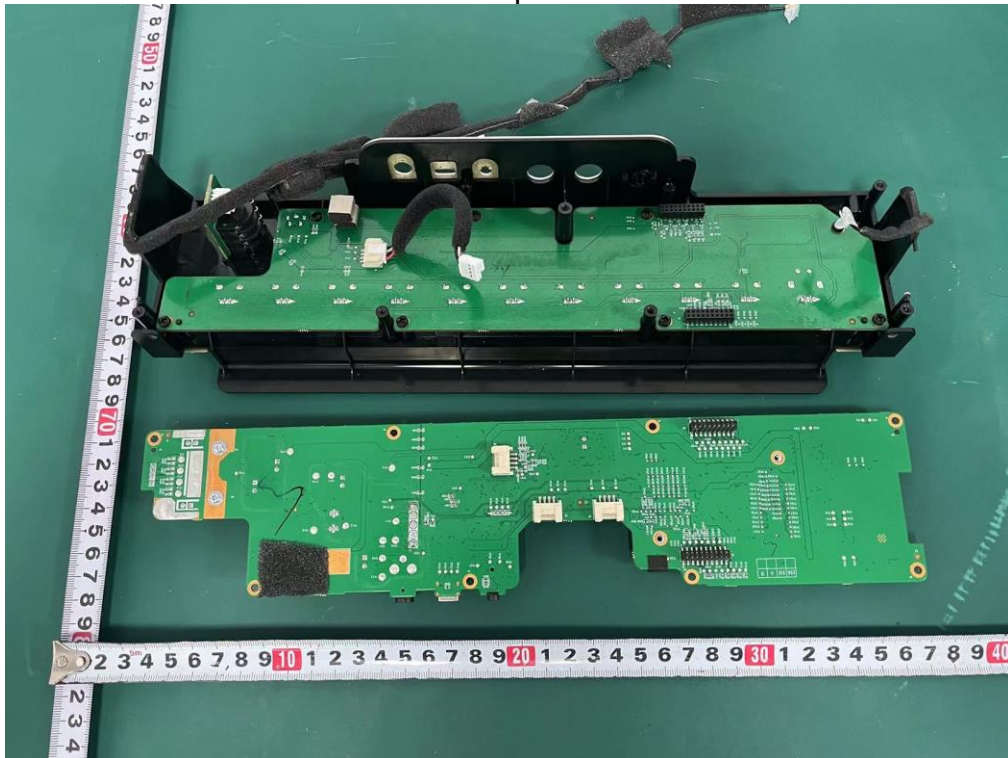


Internal Photos
M/N: Spark 2



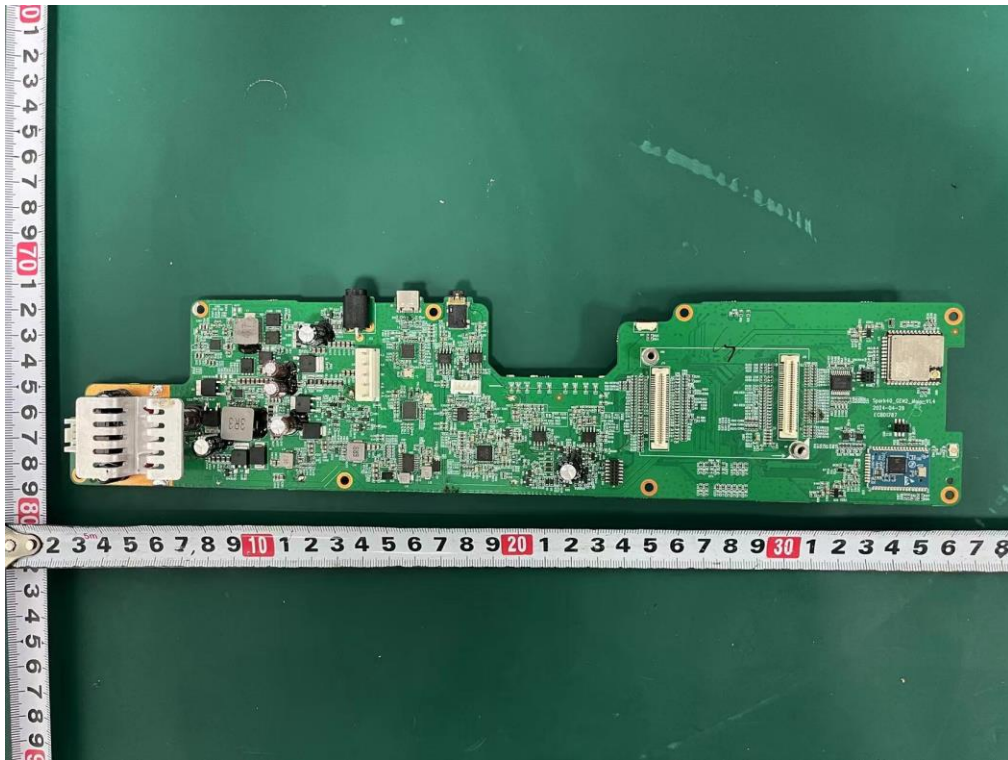
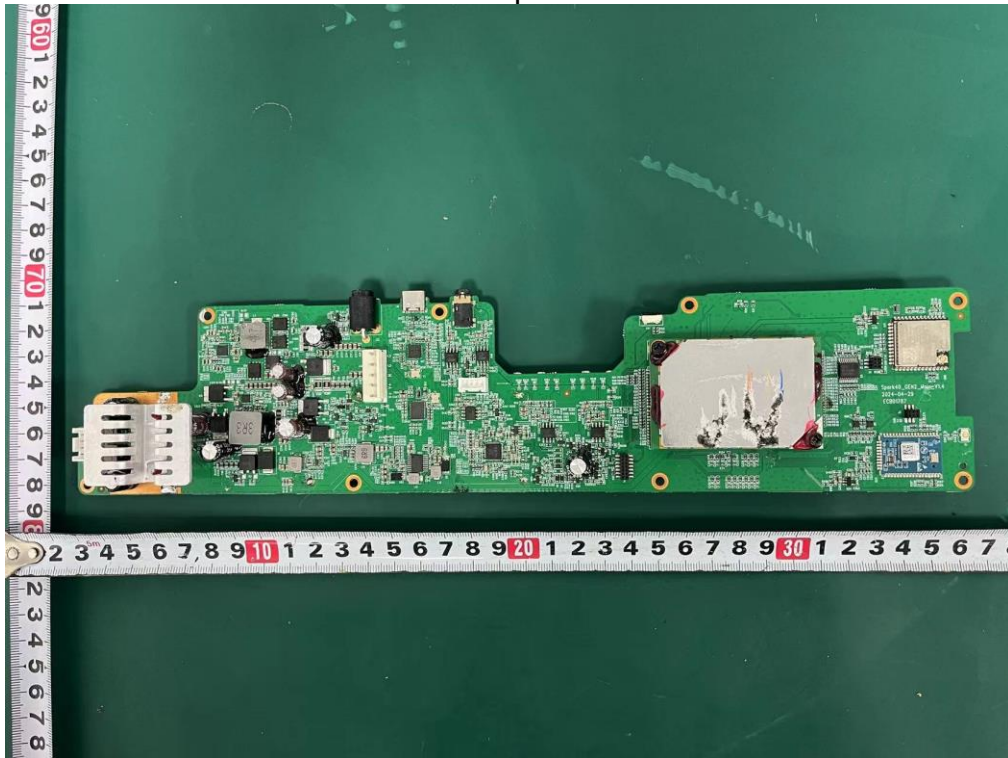
Internal Photos

M/N: Spark 2



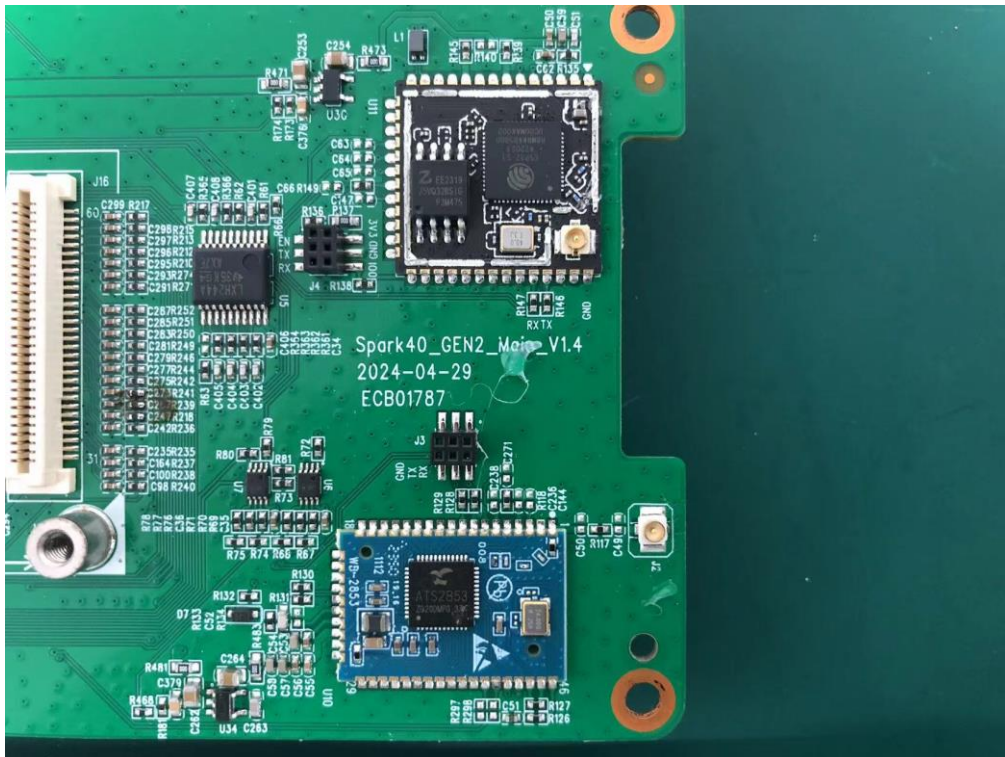
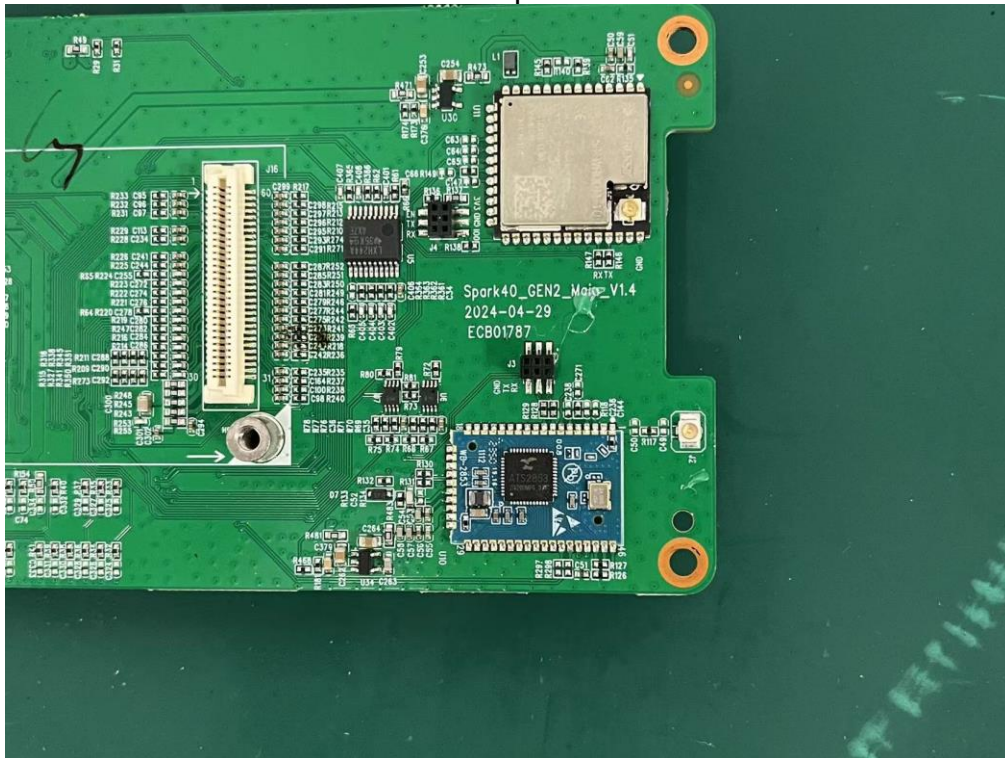
Internal Photos

M/N: Spark 2



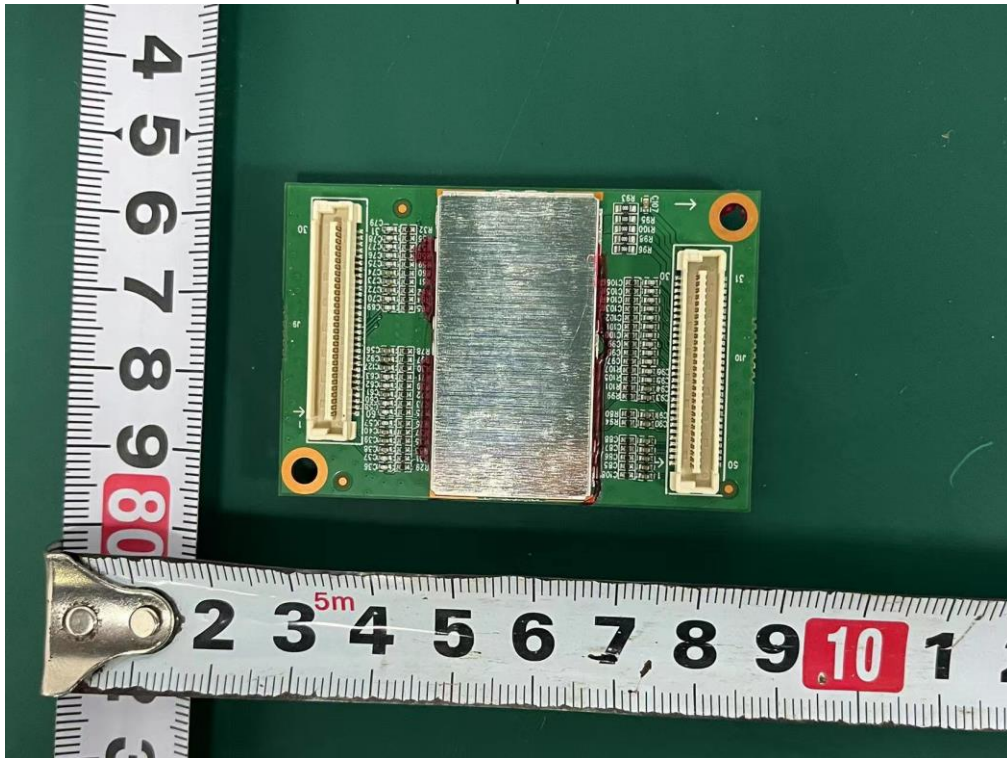
Internal Photos

M/N: Spark 2



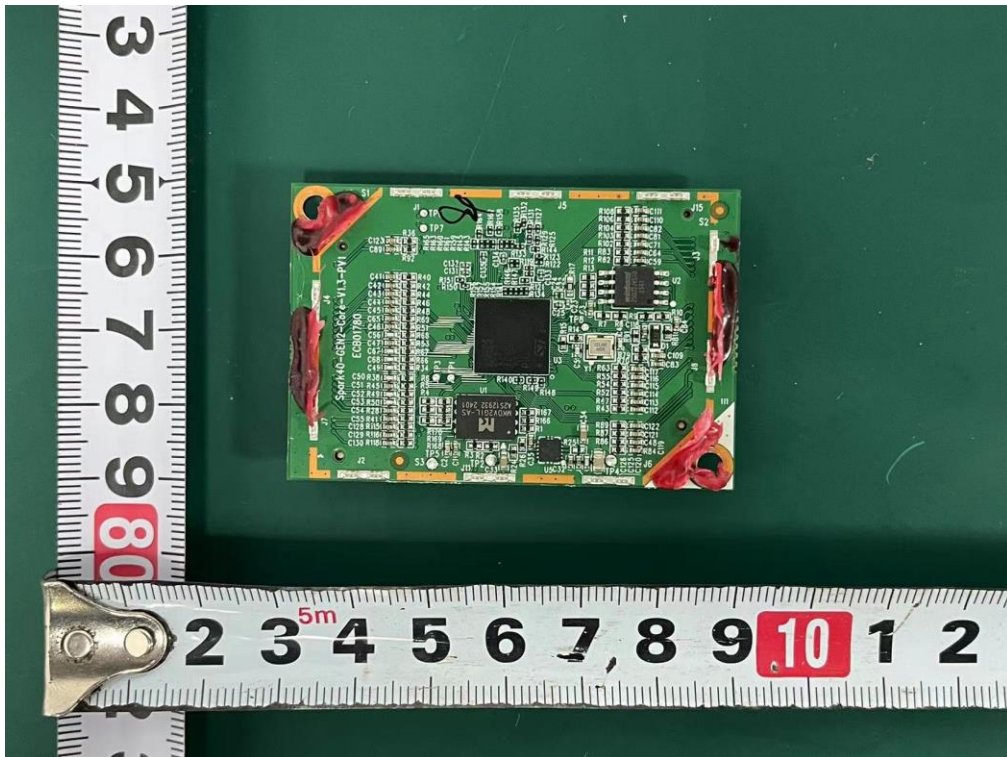
Internal Photos

M/N: Spark 2



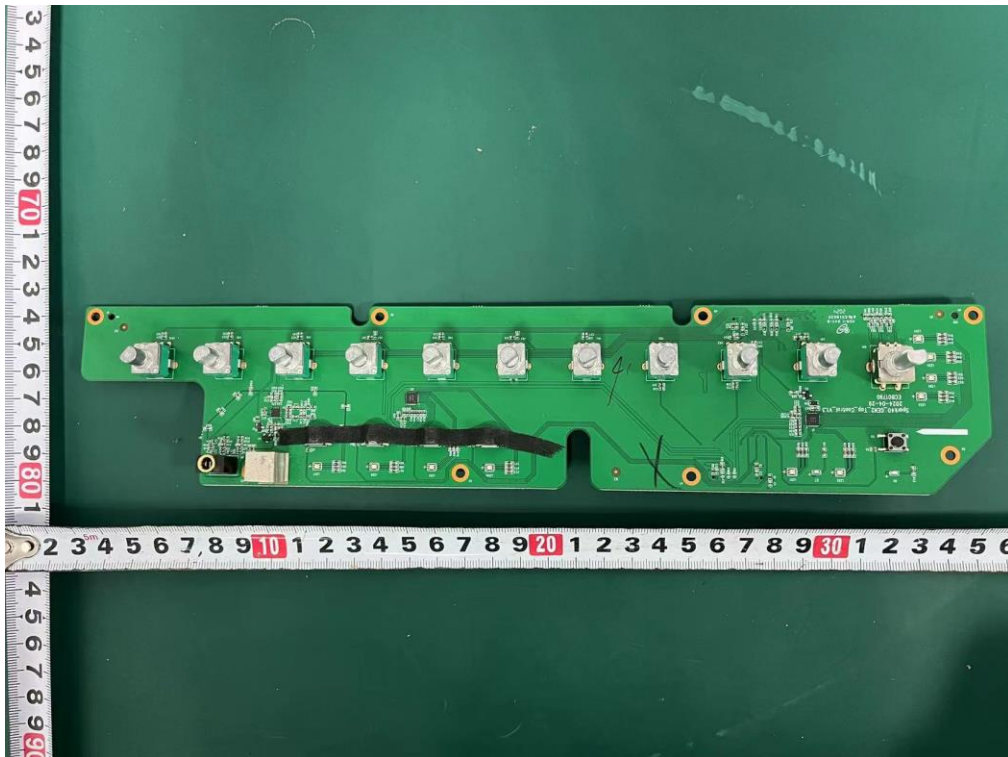
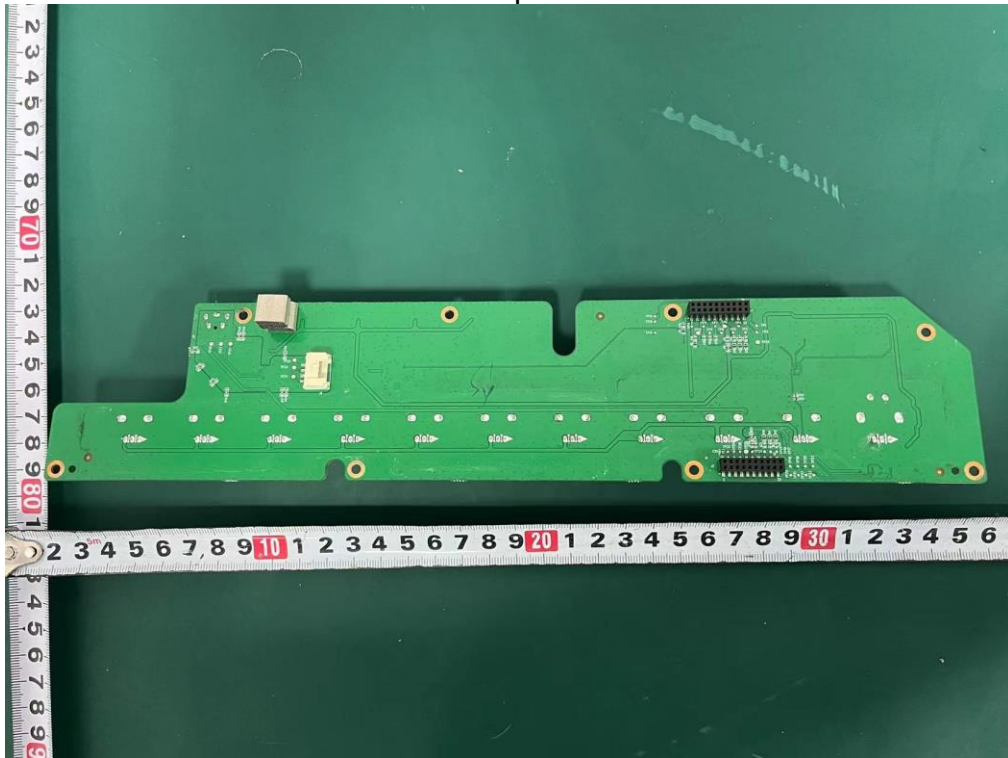
Internal Photos

M/N: Spark 2



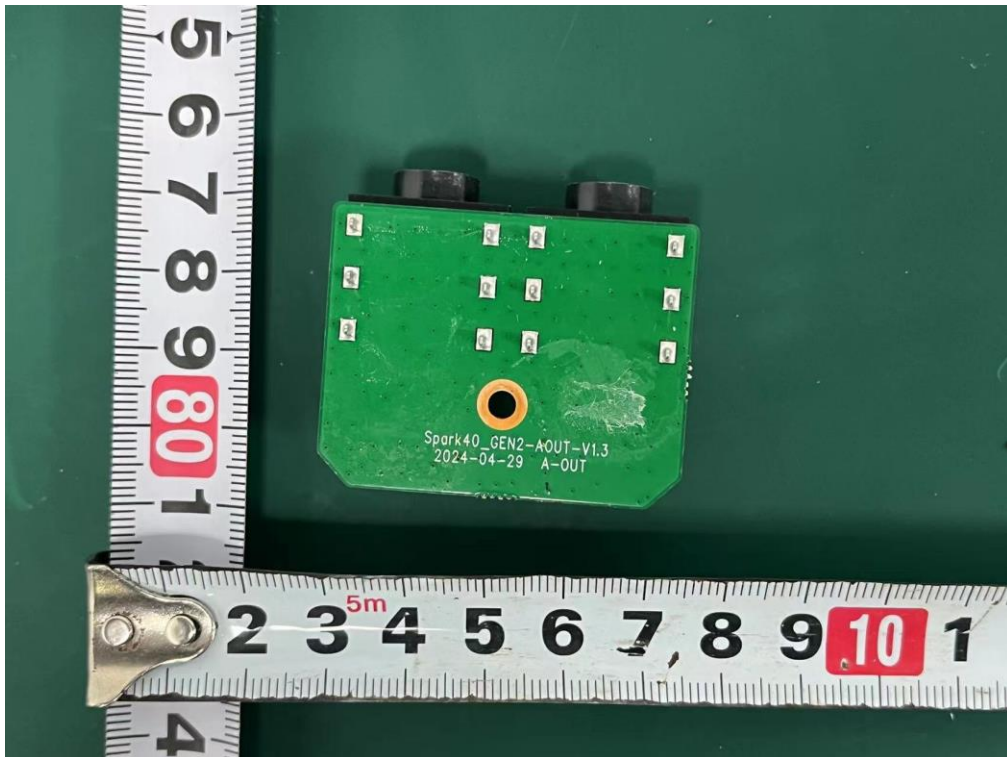
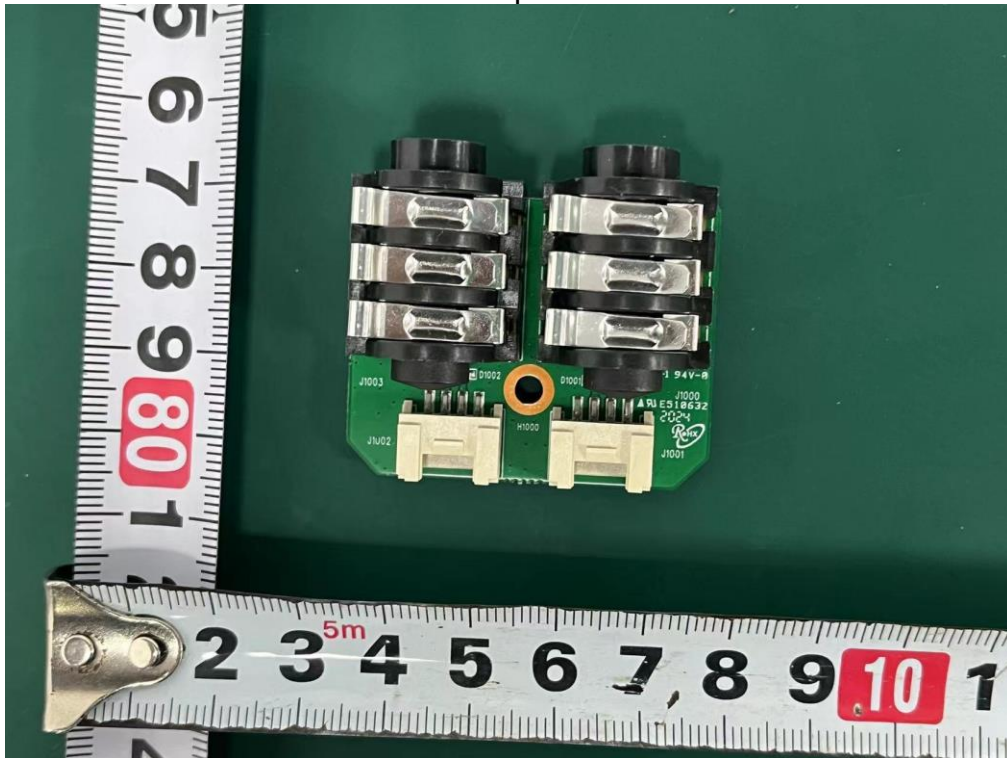
Internal Photos

M/N: Spark 2



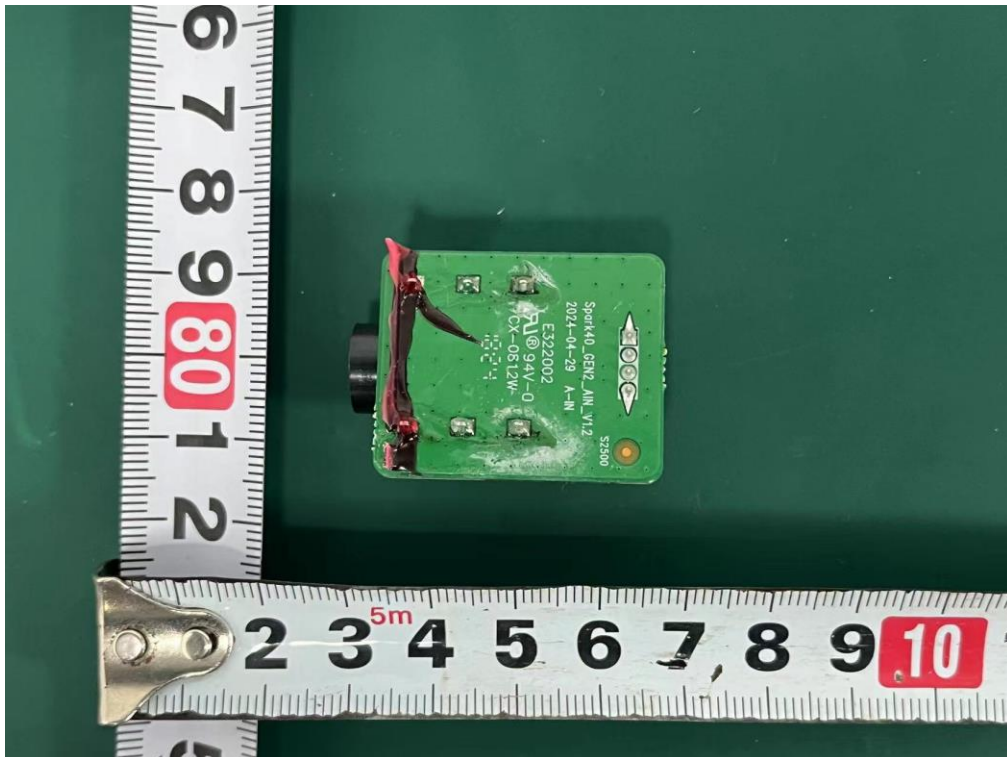
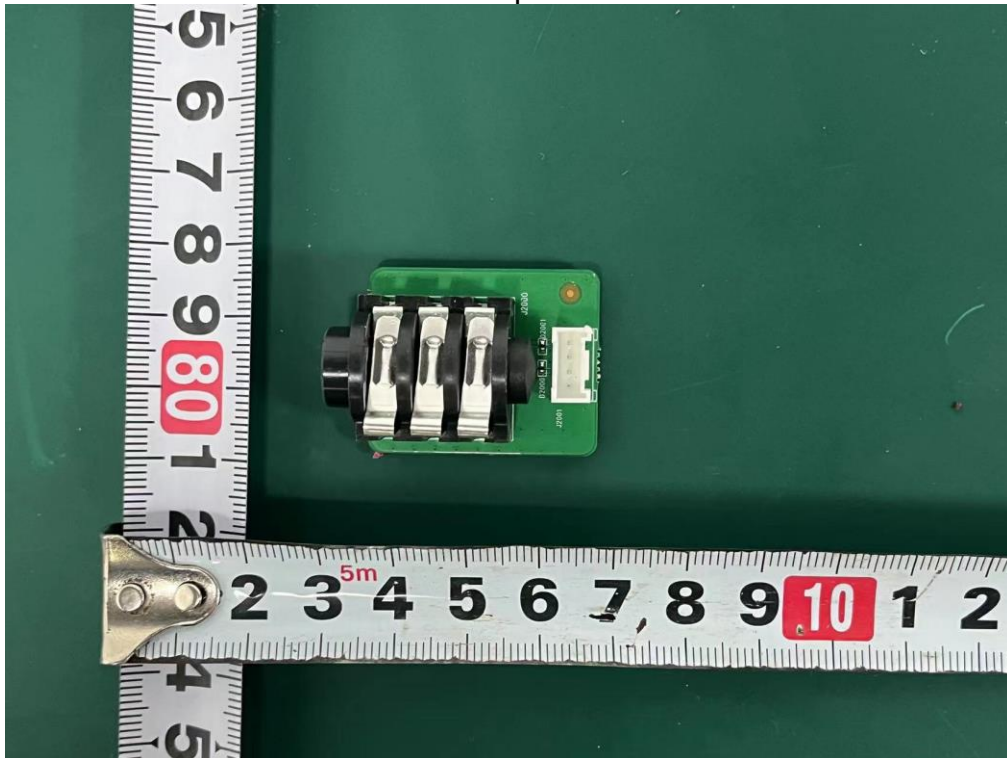
Internal Photos

M/N: Spark 2



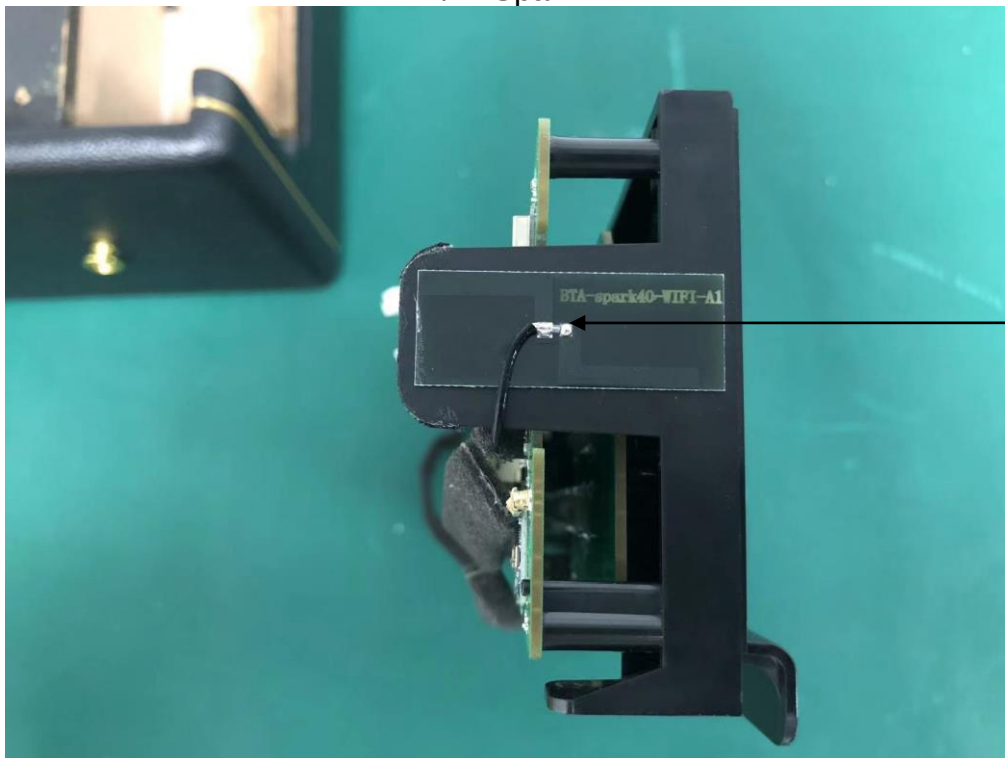
Internal Photos

M/N: Spark 2



Internal Photos

M/N: Spark 2

BLE
Antenna**End of Test Report**