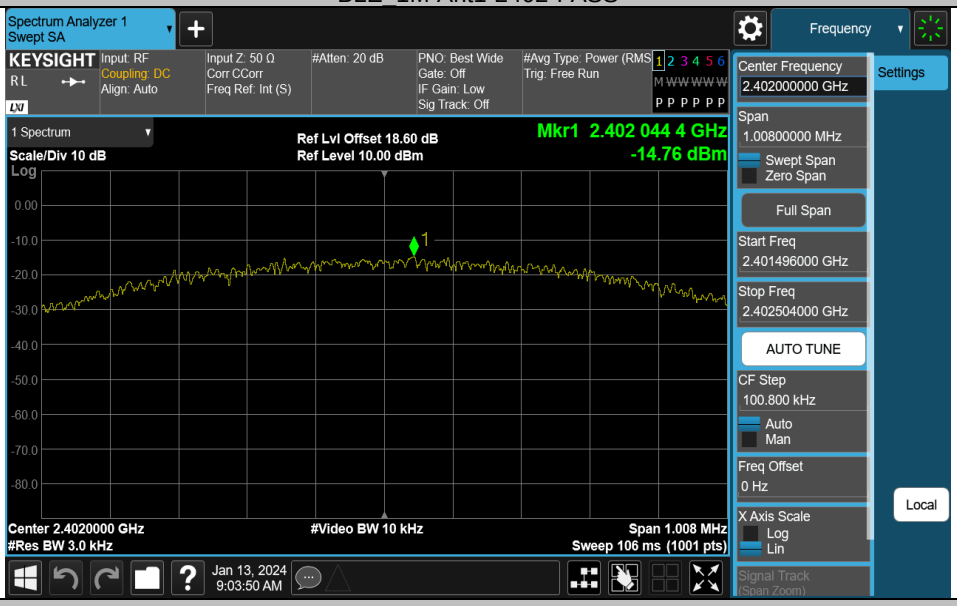
Right earbub

Test Result

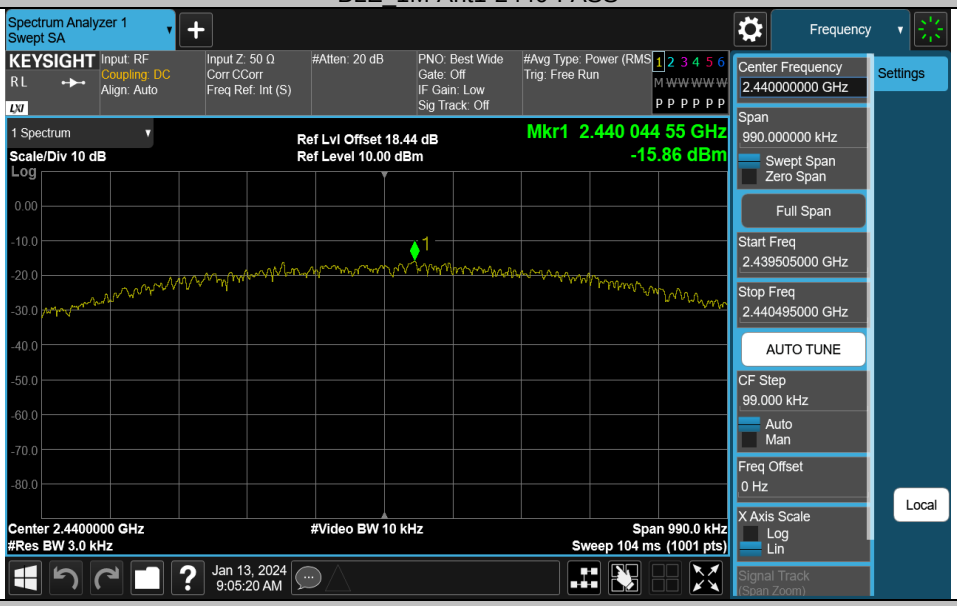
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.76	≤8.00	PASS
BLE_1M	Ant1	2440	-15.86	≤8.00	PASS
BLE_1M	Ant1	2480	-18.58	≤8.00	PASS
BLE_2M	Ant1	2402	-16.85	≤8.00	PASS
BLE_2M	Ant1	2440	-18.14	≤8.00	PASS
BLE_2M	Ant1	2480	-20.72	≤8.00	PASS

Test Graphs

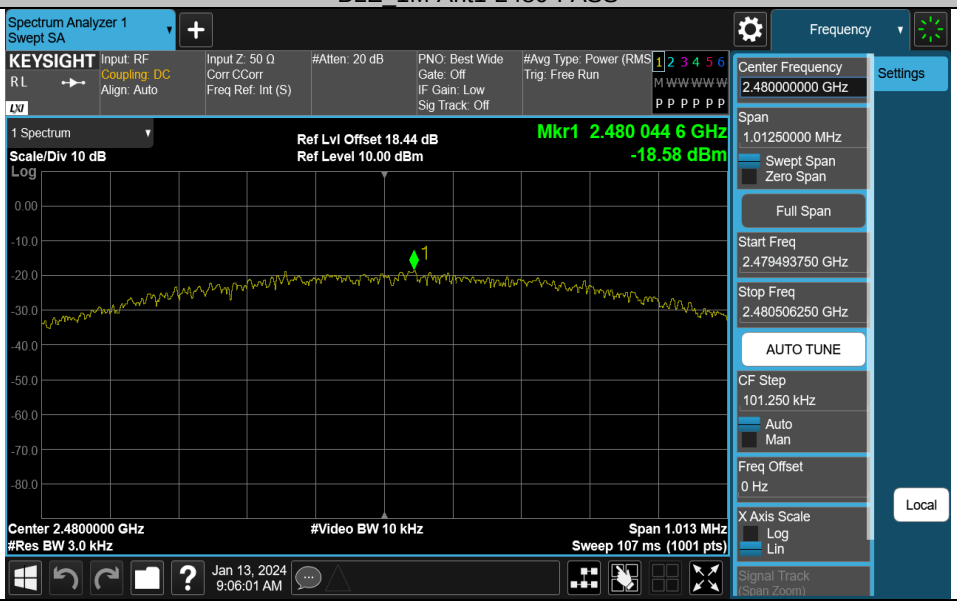
BLE_1M-Ant1-2402-PASS



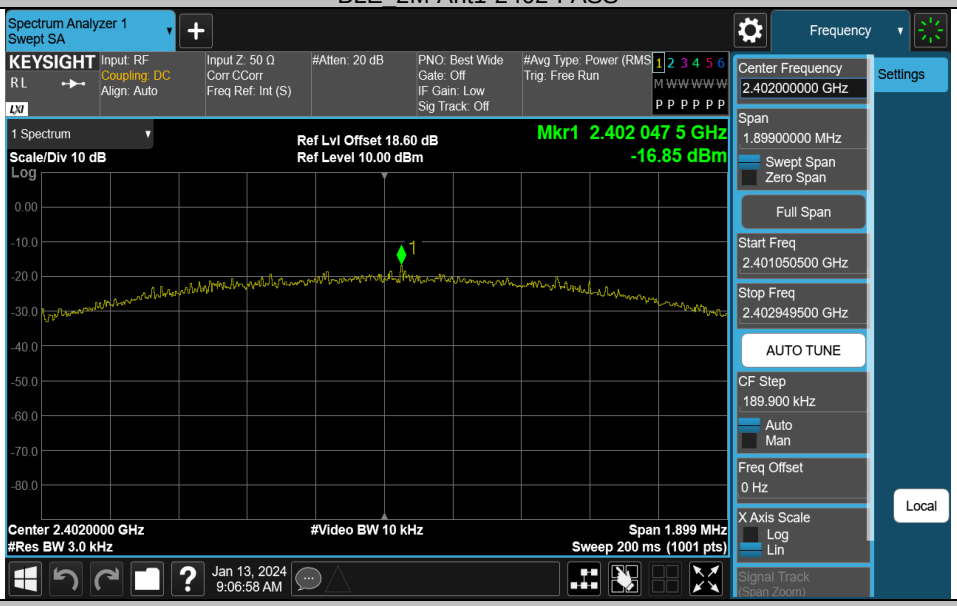
BLE_1M-Ant1-2440-PASS



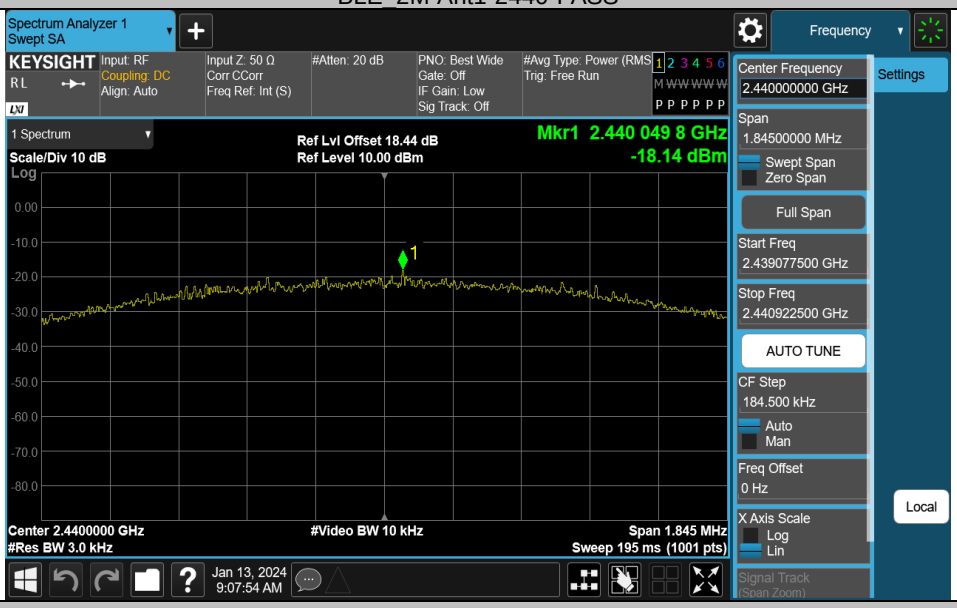
BLE_1M-Ant1-2480-PASS



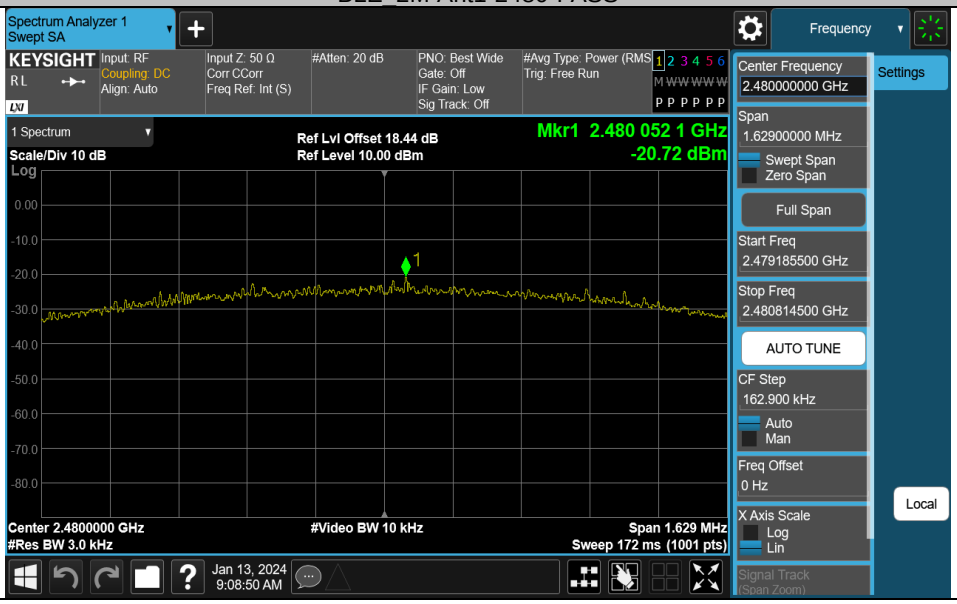
BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2440-PASS



BLE_2M-Ant1-2480-PASS



Appendix D: Reference level measurement

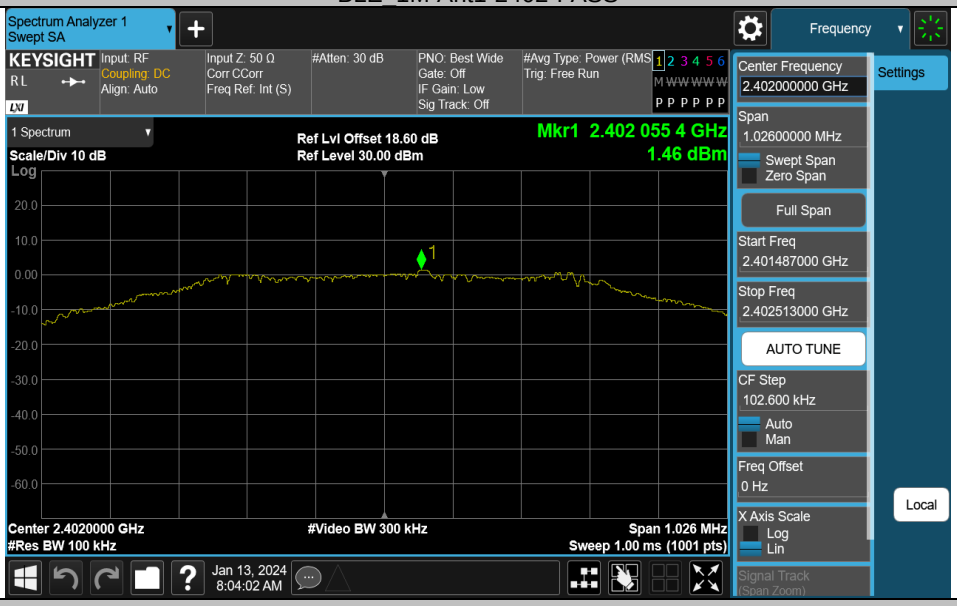
Left earbub

Test Result

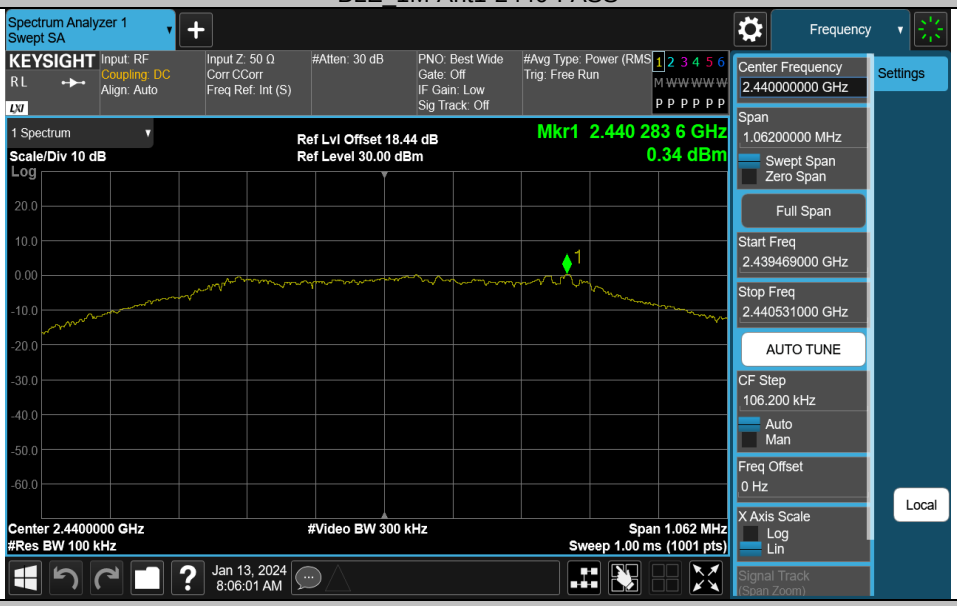
TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
BLE_1M	Ant1	2402	2402.06	1.46
BLE_1M	Ant1	2440	2440.28	0.34
BLE_1M	Ant1	2480	2480.27	-2.46
BLE_2M	Ant1	2402	2402.56	-0.25
BLE_2M	Ant1	2440	2440.06	0.39
BLE_2M	Ant1	2480	2480.05	-2.44

Test Graphs

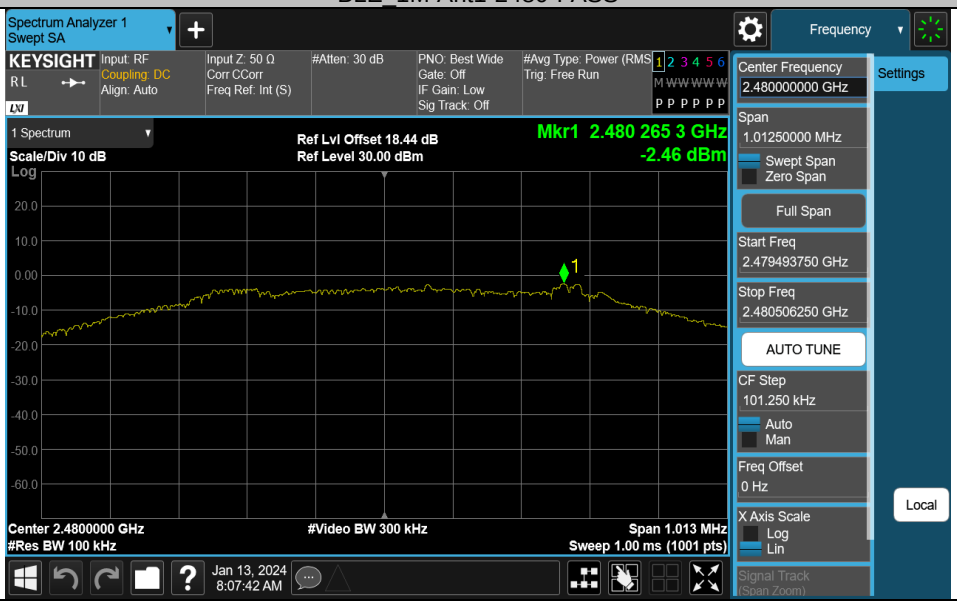
BLE_1M-Ant1-2402-PASS



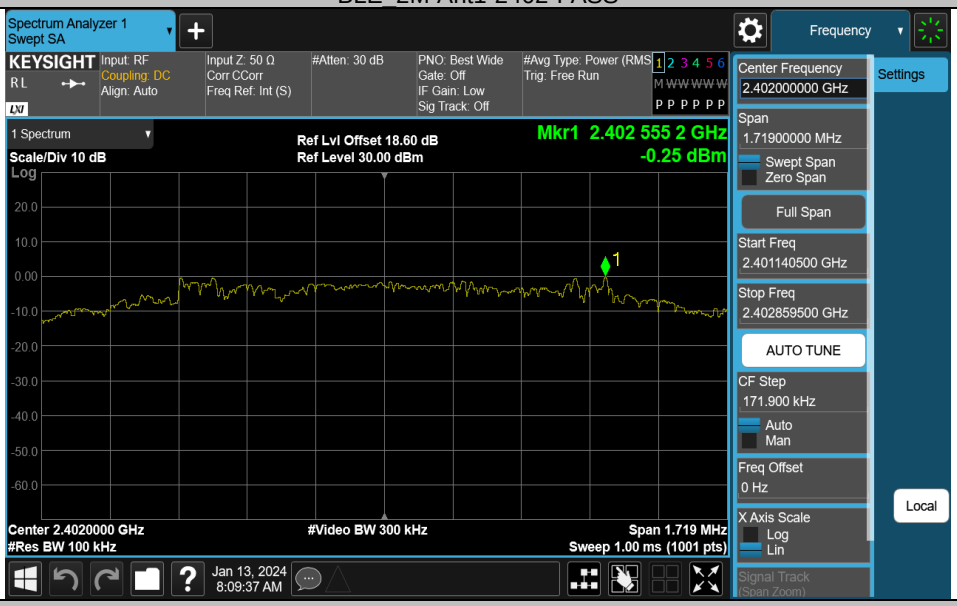
BLE_1M-Ant1-2440-PASS



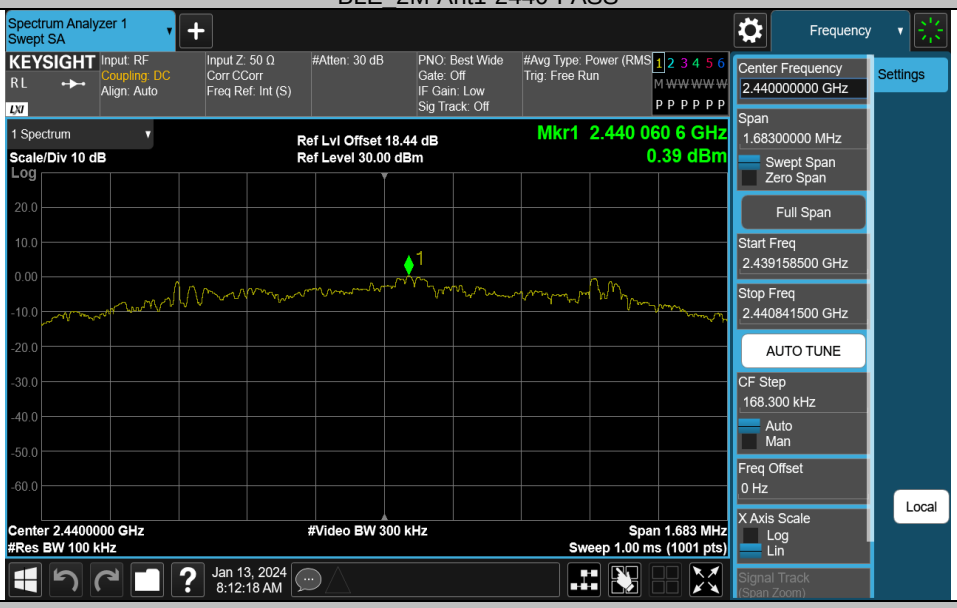
BLE_1M-Ant1-2480-PASS



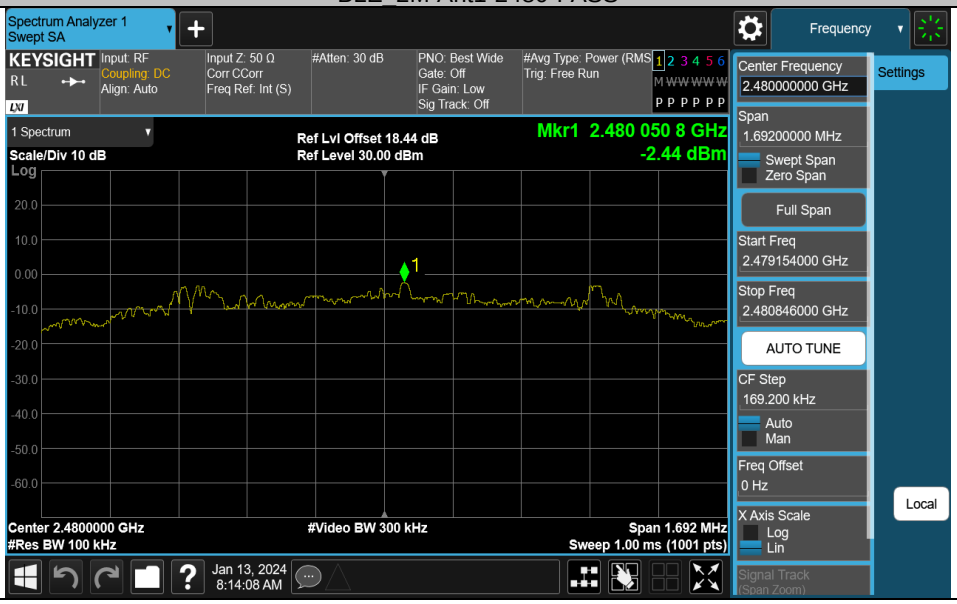
BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2440-PASS



BLE_2M-Ant1-2480-PASS



Appendix E: Band edge measurements

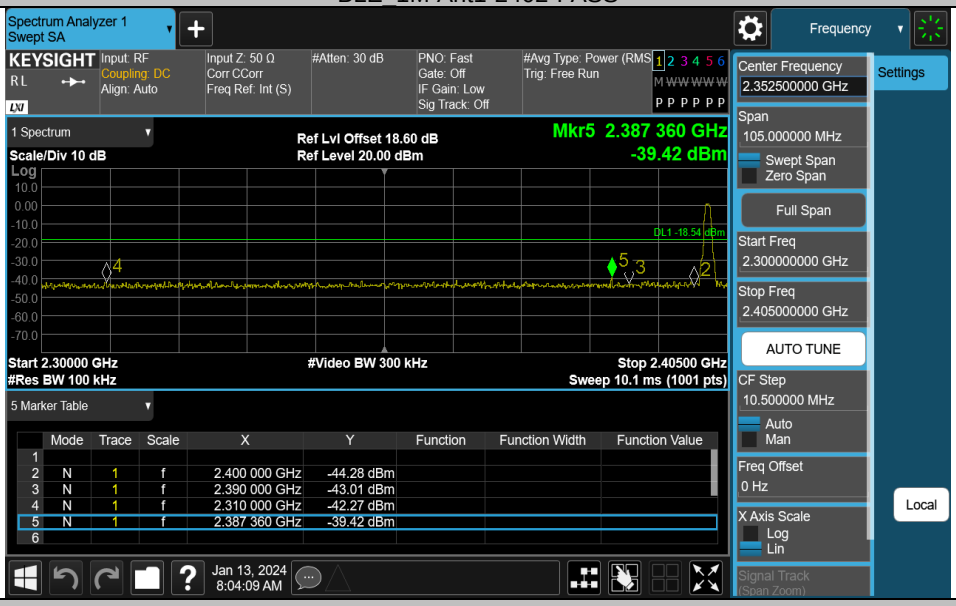
Left earbub

Test Result

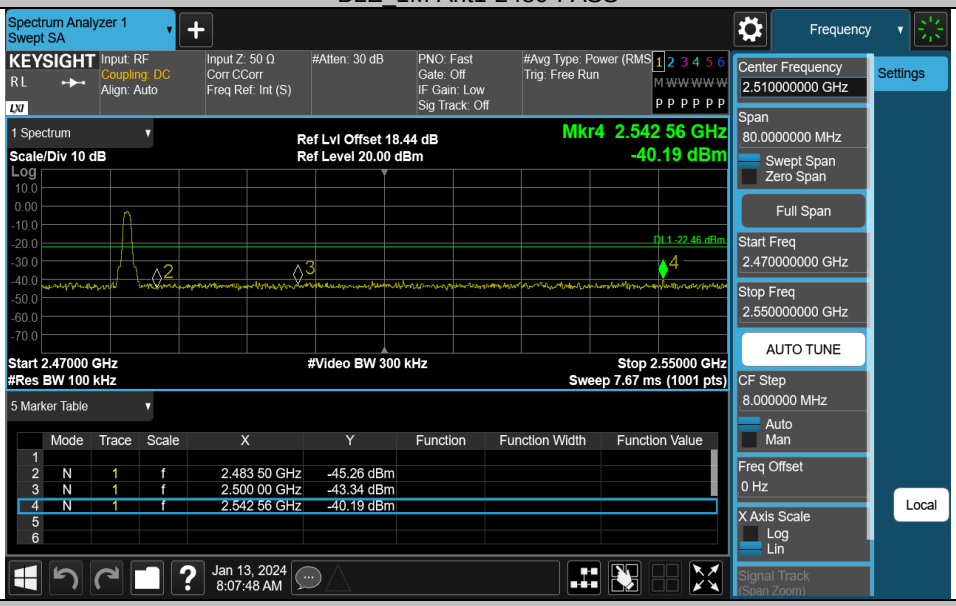
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.46	-39.42	≤-18.54	PASS
BLE_1M	Ant1	High	2480	-2.46	-40.19	≤-22.46	PASS
BLE_2M	Ant1	Low	2402	-0.25	-33.77	≤-20.25	PASS
BLE_2M	Ant1	High	2480	-2.44	-40.79	≤-22.44	PASS

Test Graphs

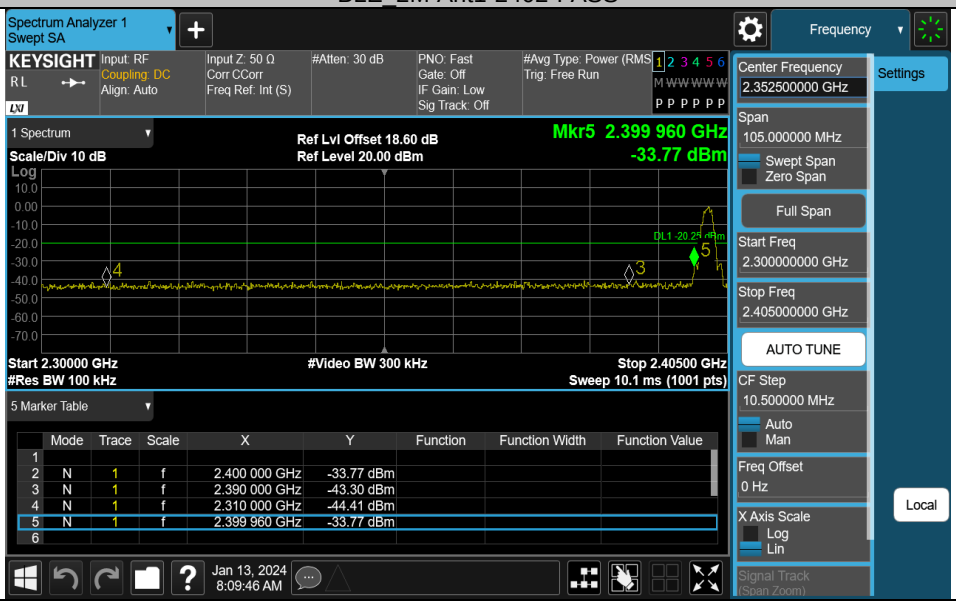
BLE_1M-Ant1-2402-PASS



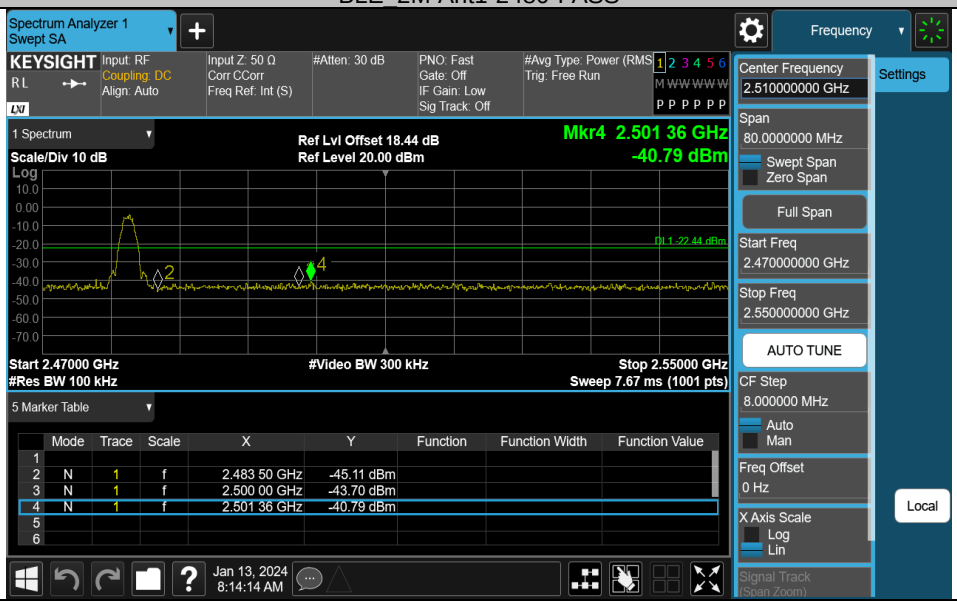
BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2480-PASS



Appendix F: Conducted Spurious Emission

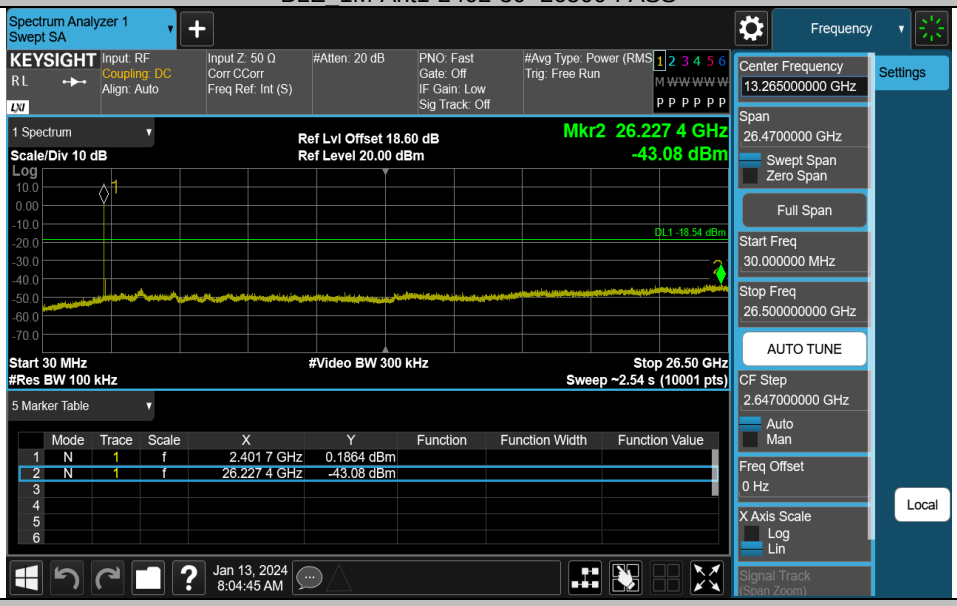
Left earbub

Test Result

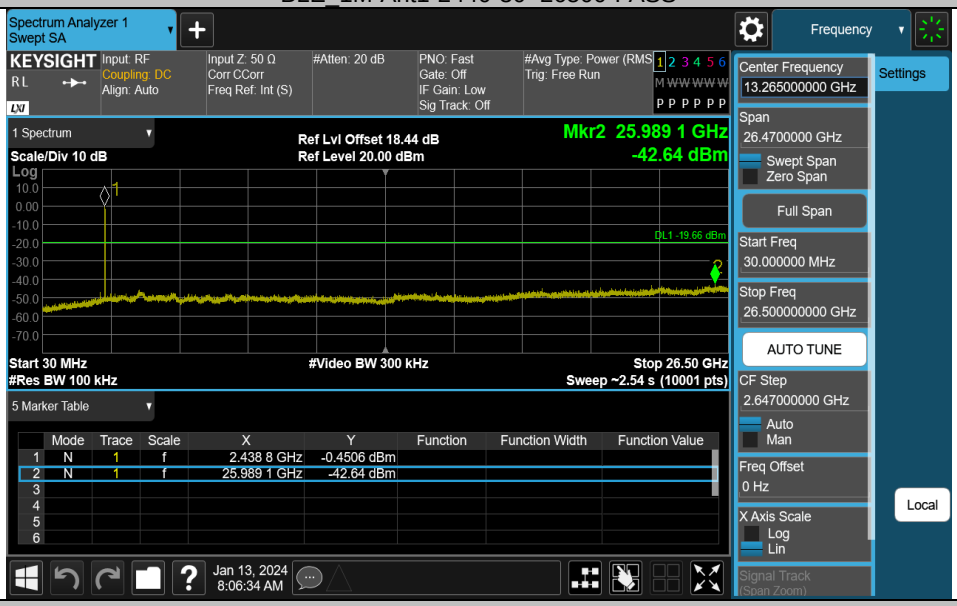
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	30~26500	1.46	-43.08	≤-18.54	PASS
BLE_1M	Ant1	2440	30~26500	0.34	-42.64	≤-19.66	PASS
BLE_1M	Ant1	2480	30~26500	-2.46	-42.45	≤-22.46	PASS
BLE_2M	Ant1	2402	30~26500	-0.25	-41.19	≤-20.25	PASS
BLE_2M	Ant1	2440	30~26500	0.39	-42.03	≤-19.61	PASS
BLE_2M	Ant1	2480	30~26500	-2.44	-43.04	≤-22.44	PASS

Test Graphs

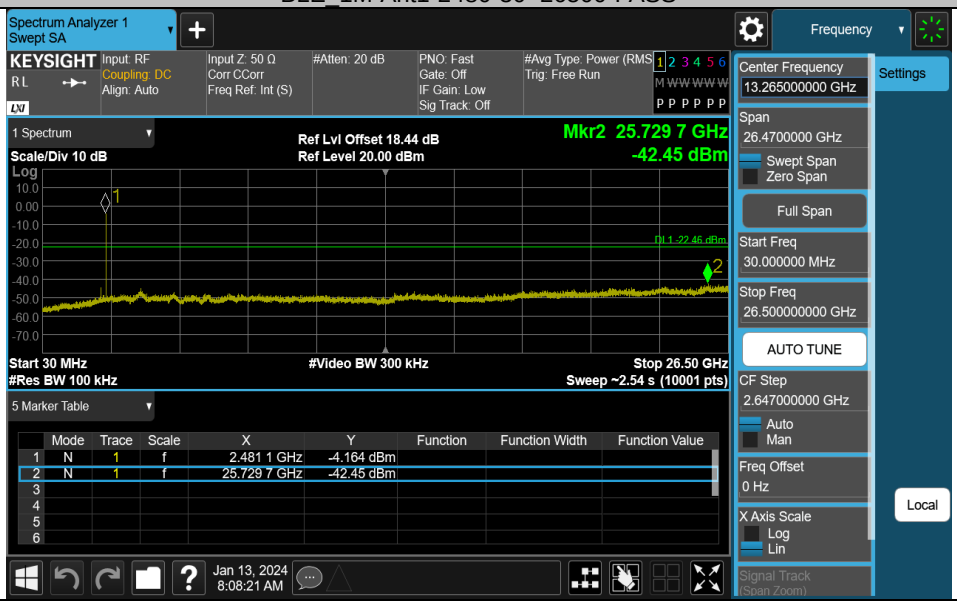
BLE_1M-Ant1-2402-30~26500-PASS



BLE_1M-Ant1-2440-30~26500-PASS

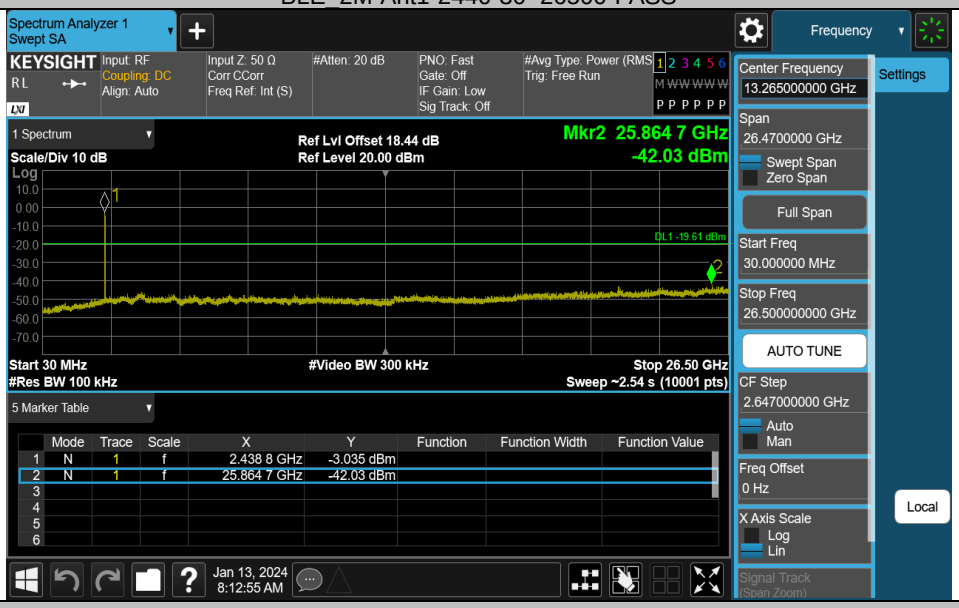


BLE_1M-Ant1-2480-30~26500-PASS

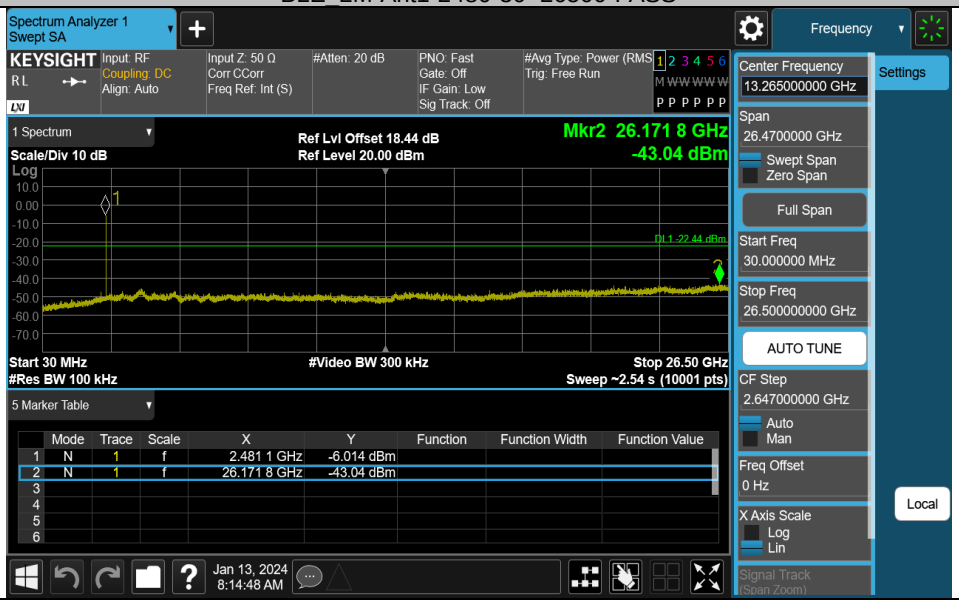


BLE_2M-Ant1-2402-30~26500-PASS

BLE_2M-Ant1-2440-30~26500-PASS



BLE_2M-Ant1-2480-30~26500-PASS



Appendix G: Duty Cycle

Left earbub

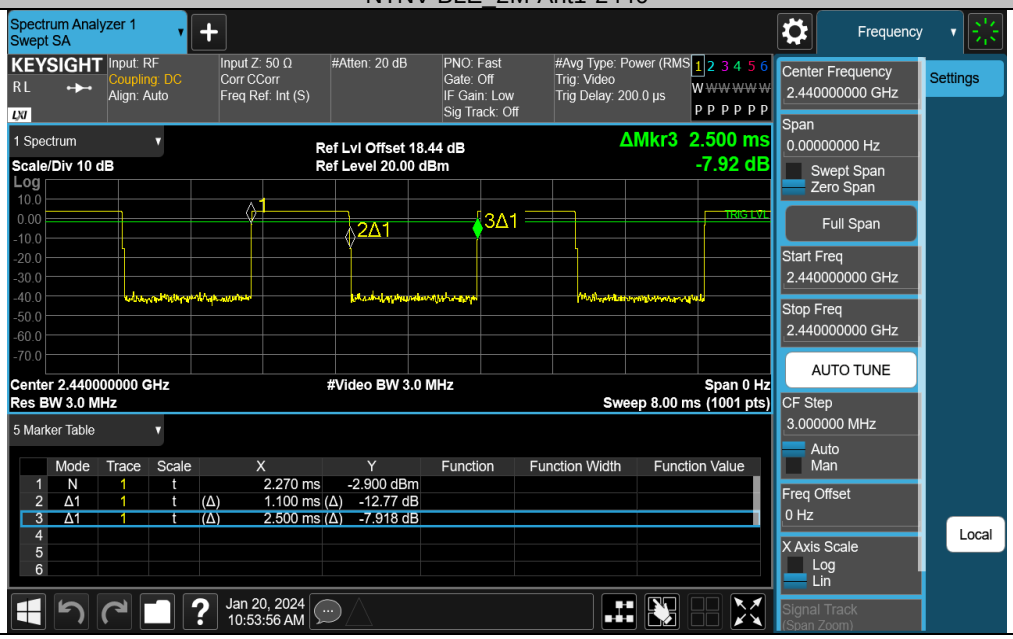
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2440	2.16	2.50	86.40	0.63
BLE_2M	Ant1	2440	1.10	2.50	44.00	3.57

Test Graphs

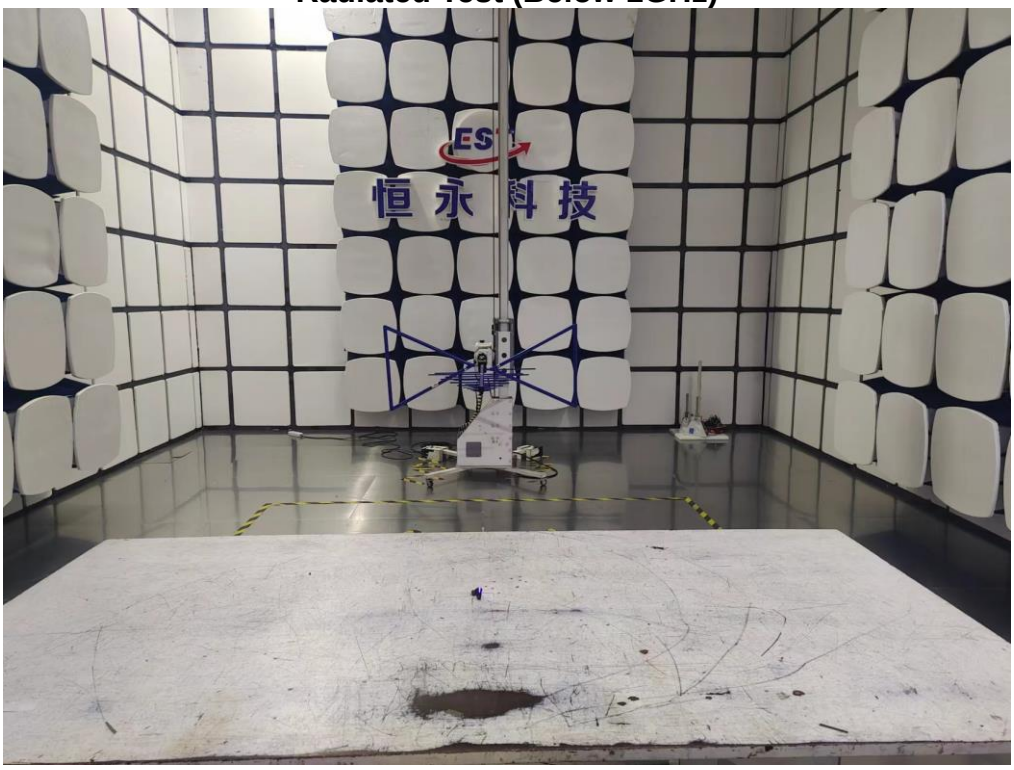
NTNV-BLE_1M-Ant1-2440

NTNV-BLE_2M-Ant1-2440



11. TEST SETUP PHOTO

Radiated Test (Below 1GHz)



Radiated Test (Above 1GHz)

12. EUT PHOTO

External Photos

M/N: TW970

External Photos

M/N: TW970

External Photos

M/N: TW970

External Photos

M/N: TW970

External Photos

M/N: TW970

External Photos

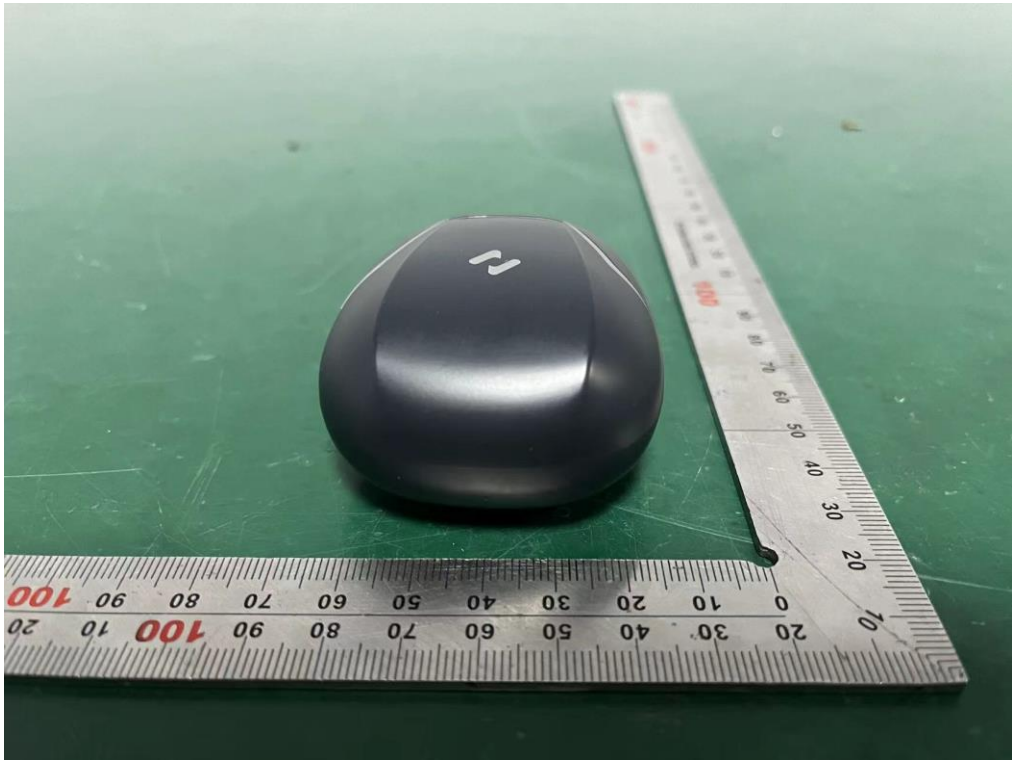
M/N: TW970

External Photos

M/N: TW970

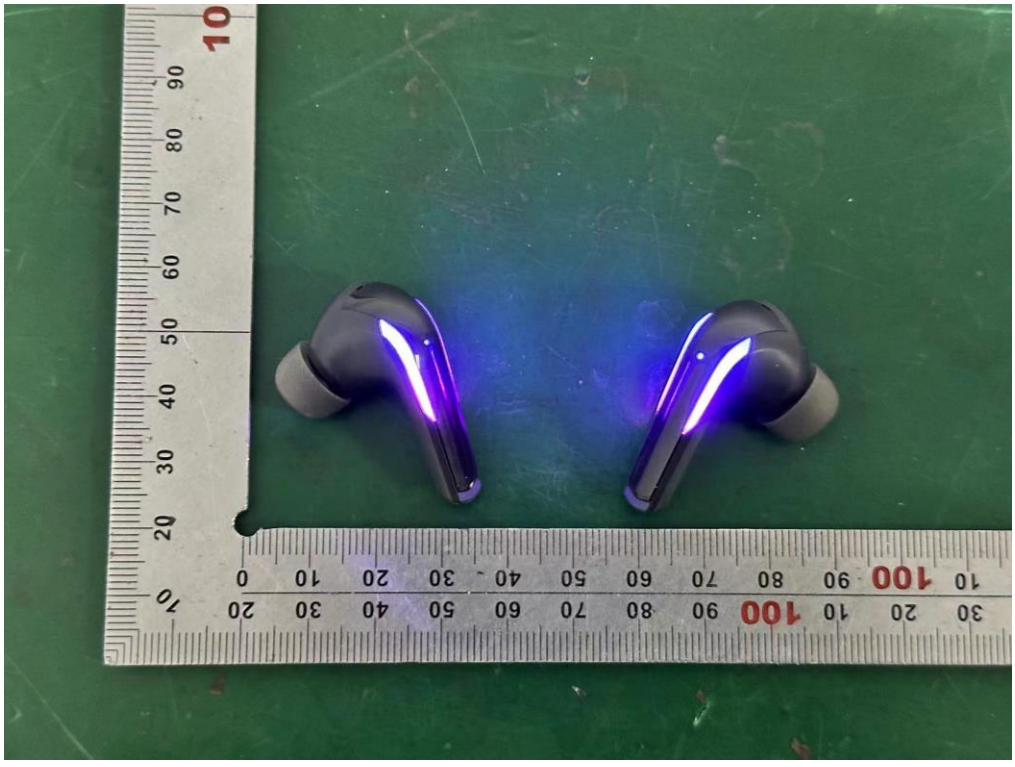
External Photos

M/N: TW970



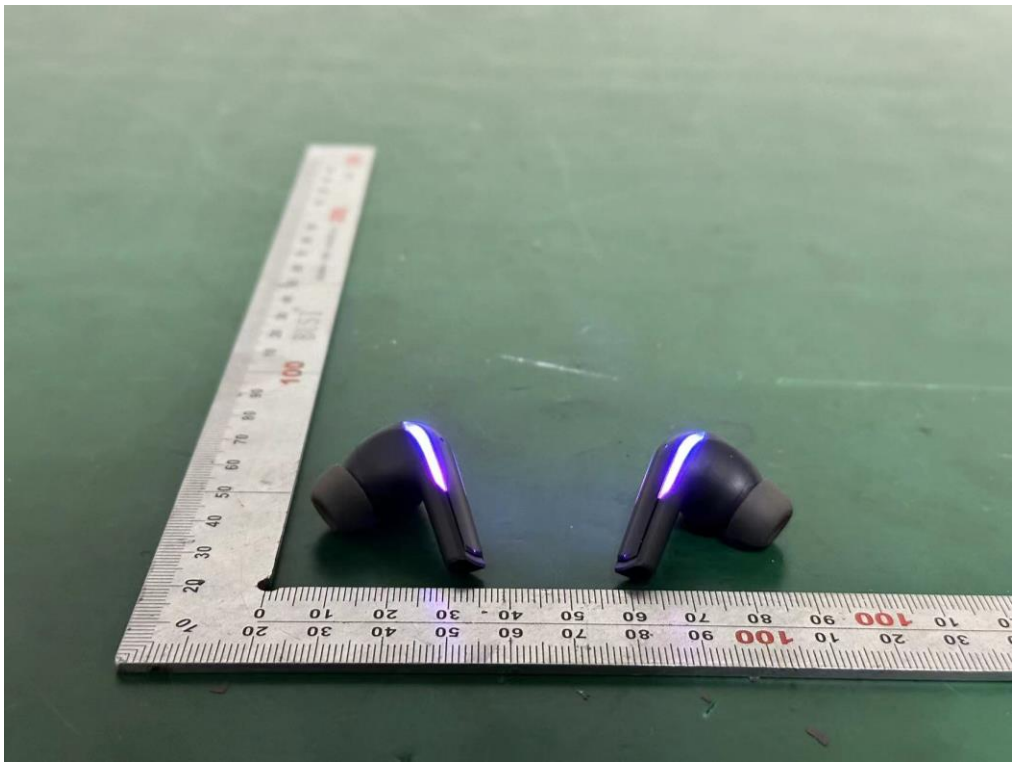
External Photos

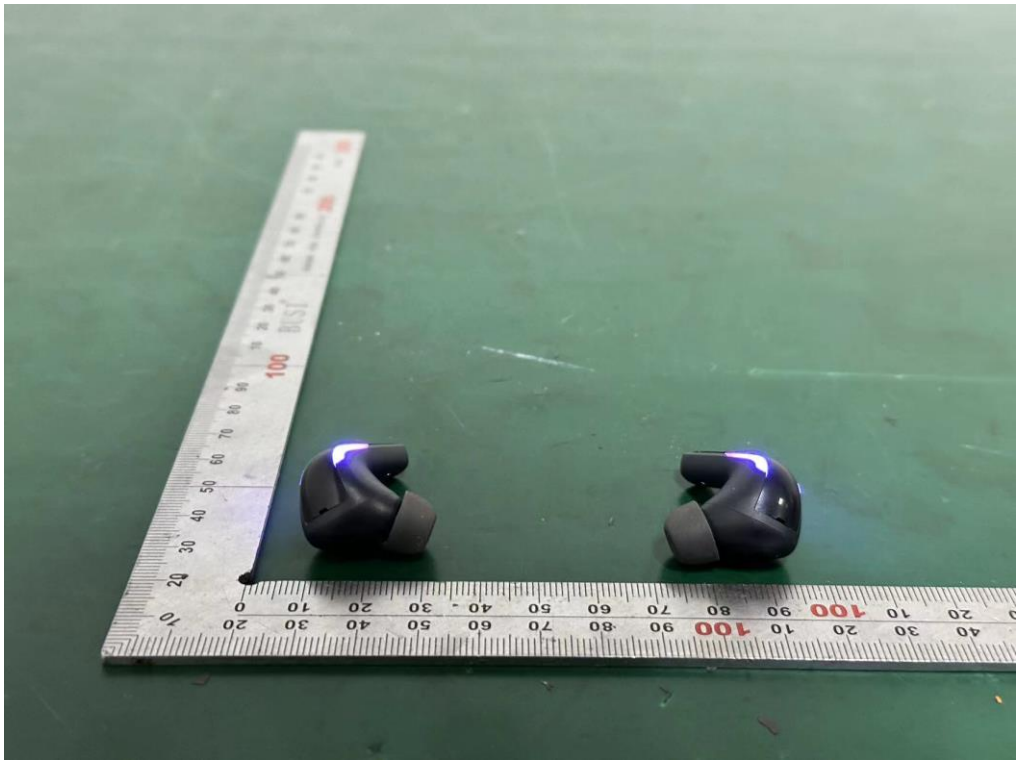
M/N: TW970



External Photos

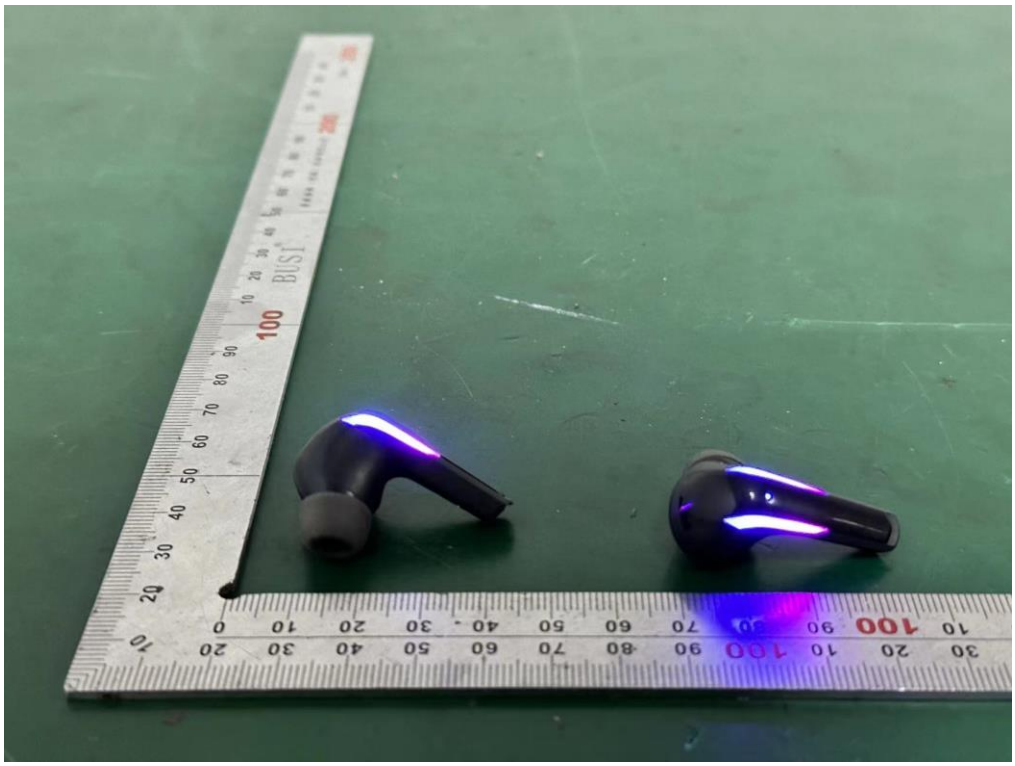
M/N: TW970

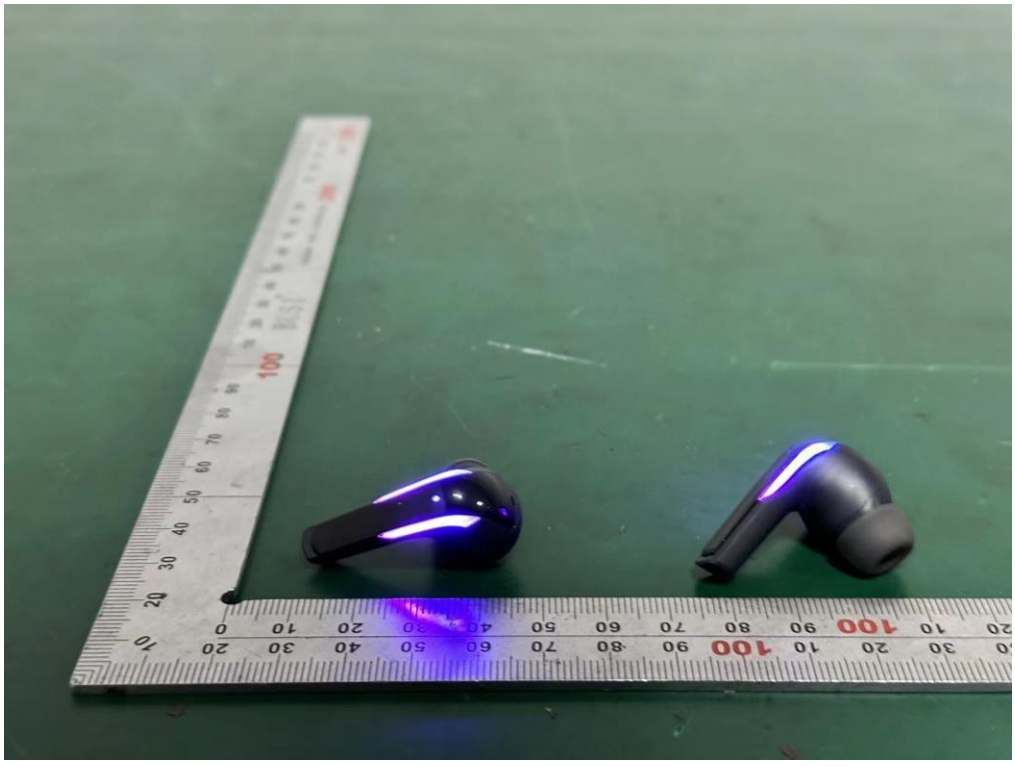




External Photos

M/N: TW970



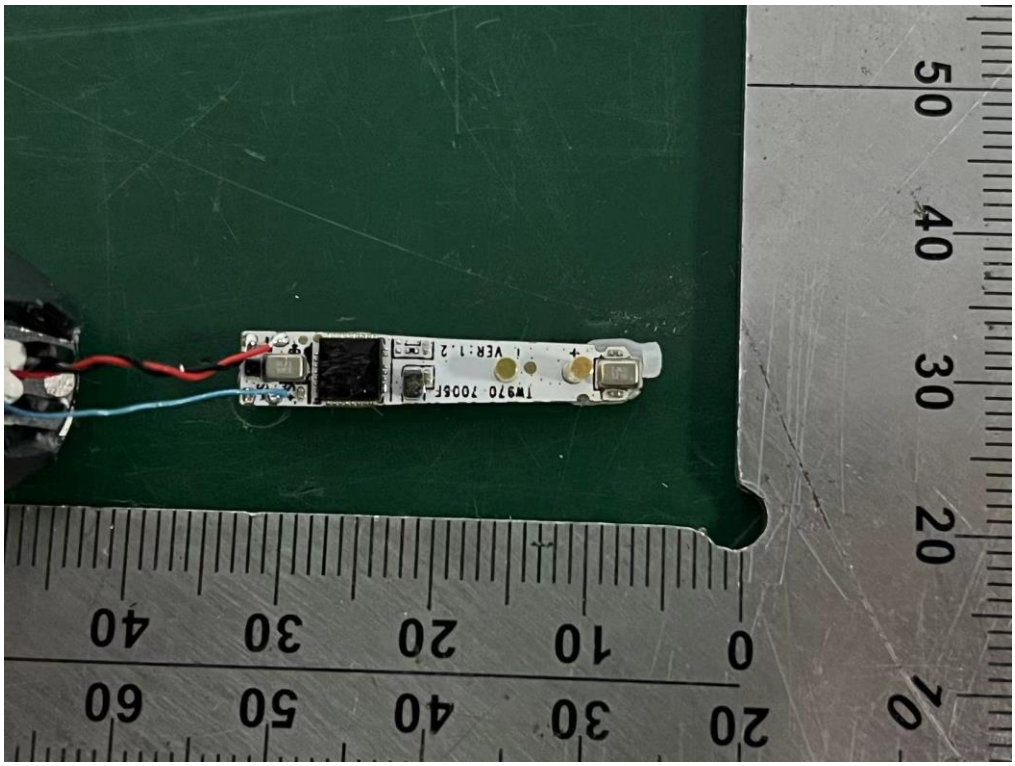


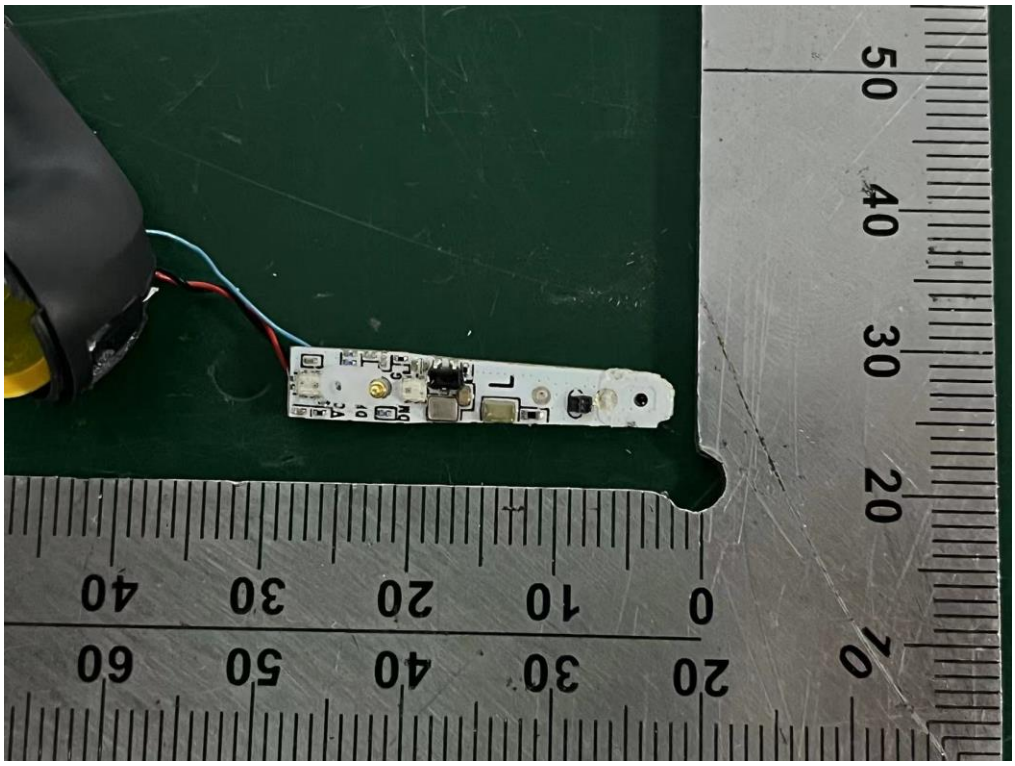
Internal Photos

M/N: TW970

Internal Photos

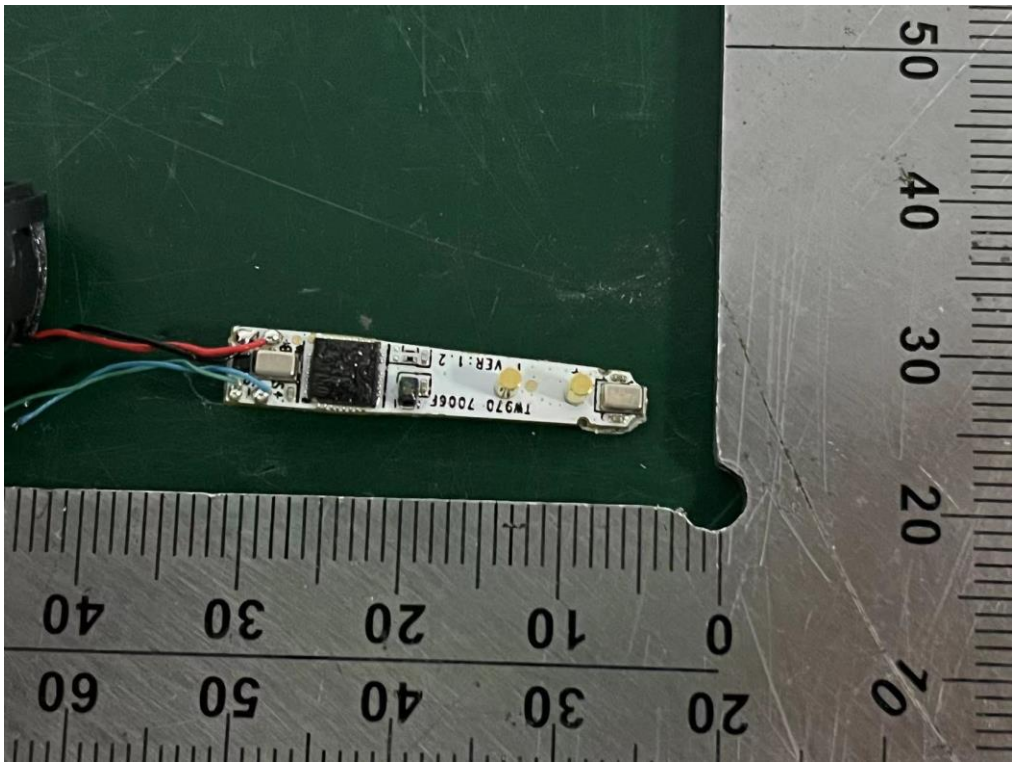
M/N: TW970

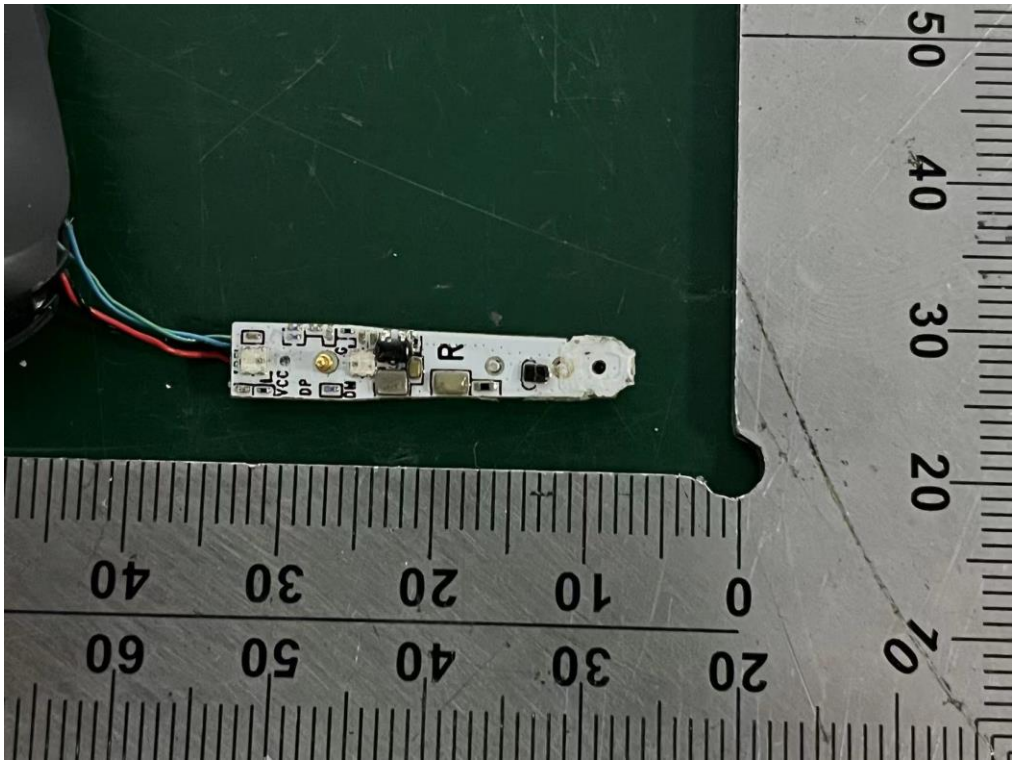




Internal Photos

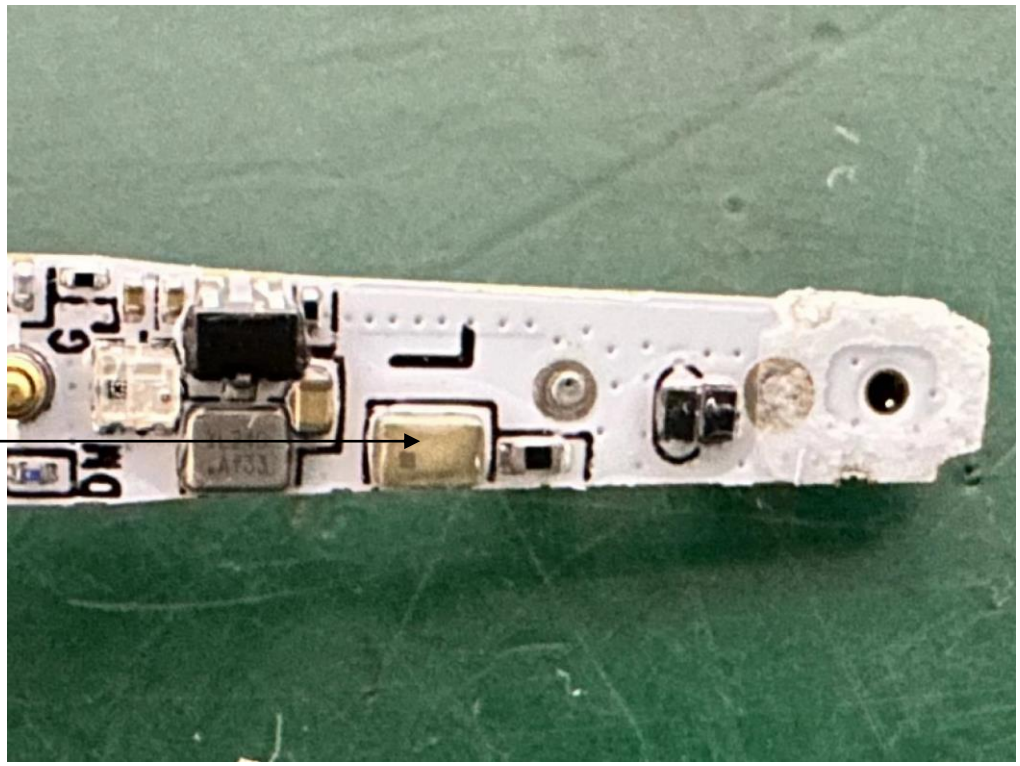
M/N: TW970

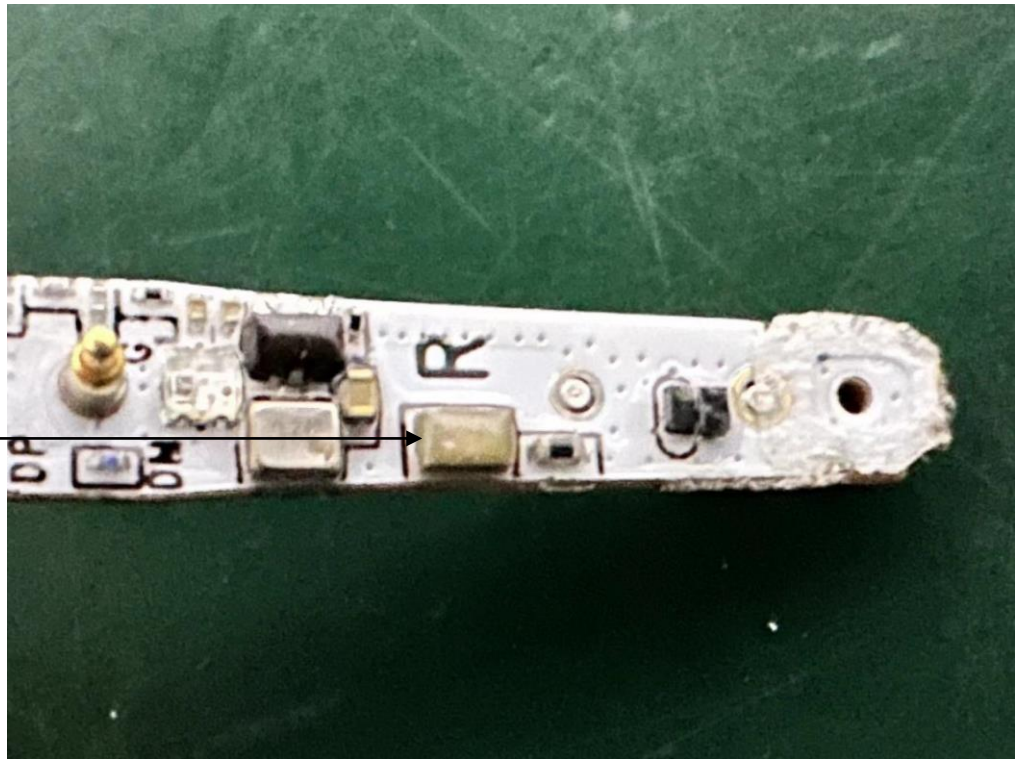




Internal Photos

M/N: TW970





End of Test Report