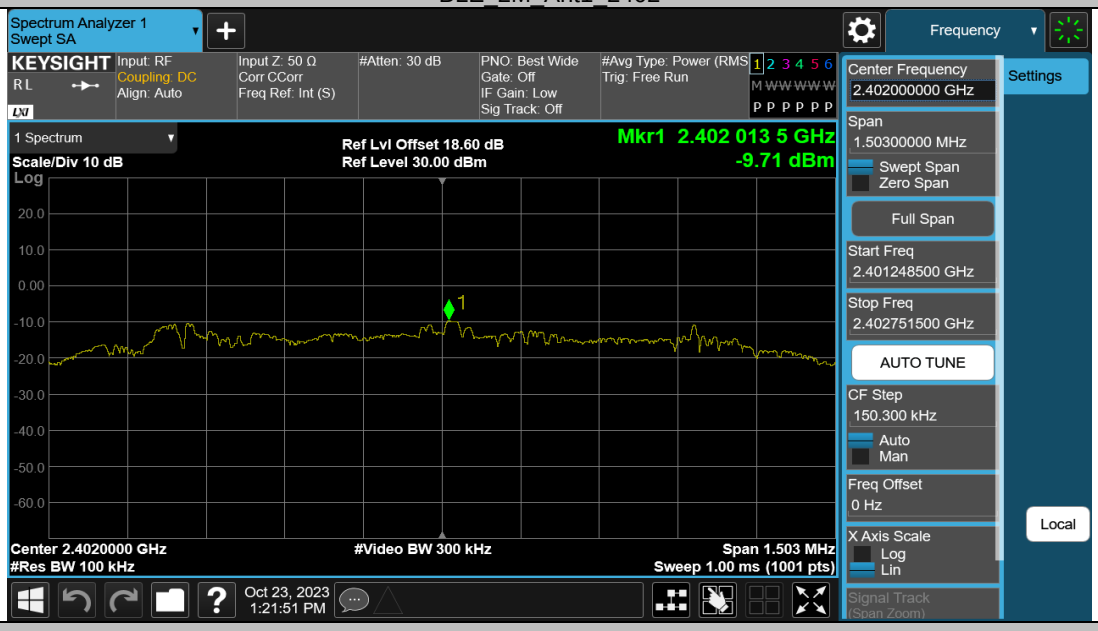
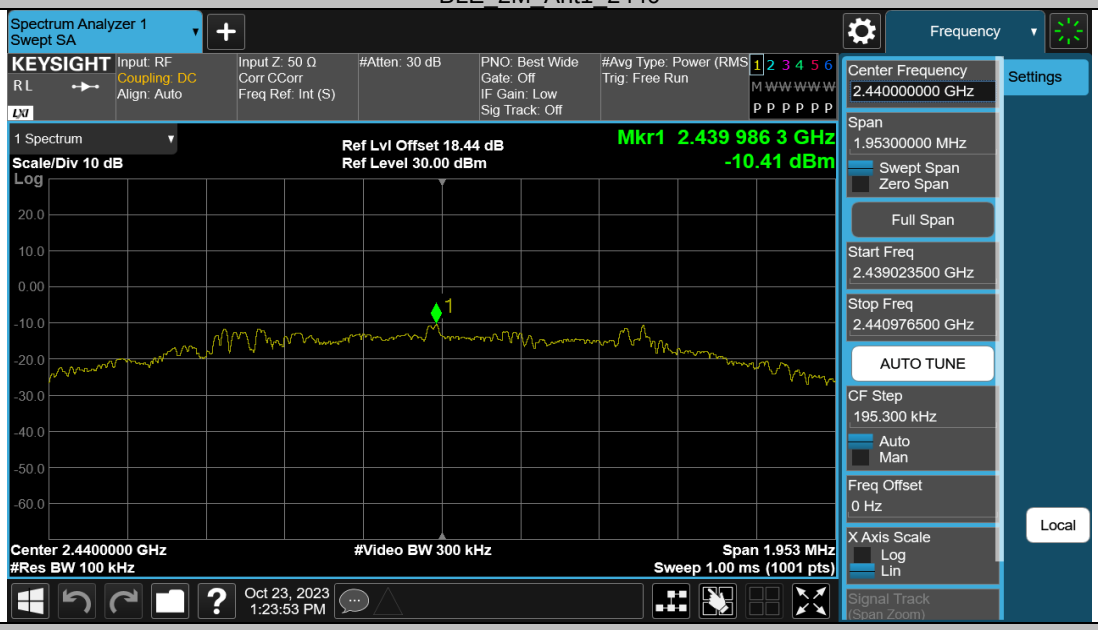
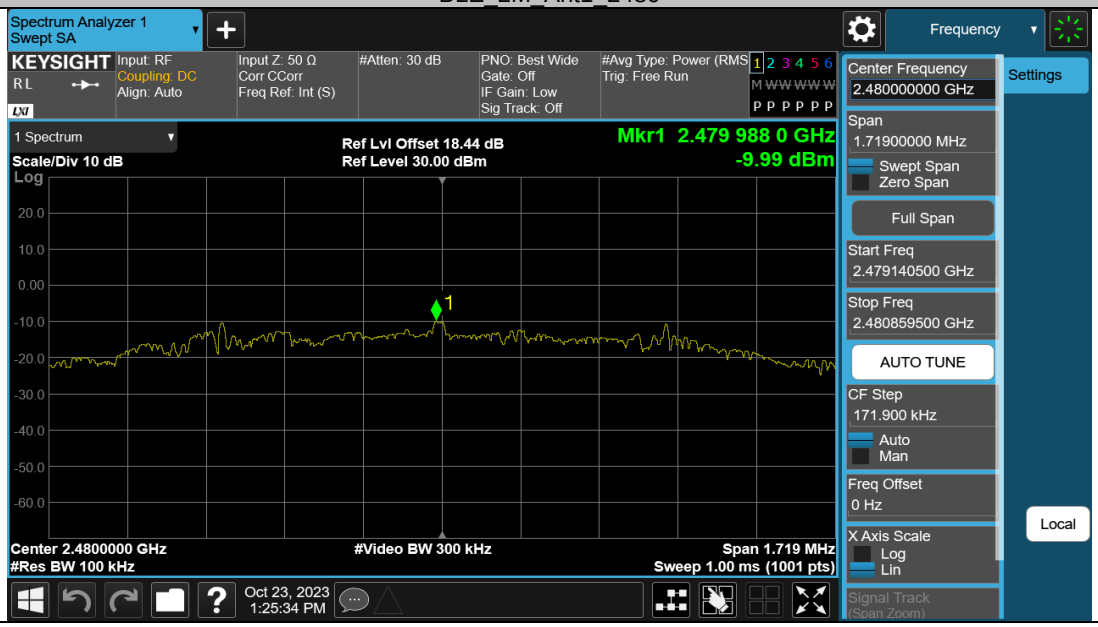
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



Appendix F: Band edge measurements

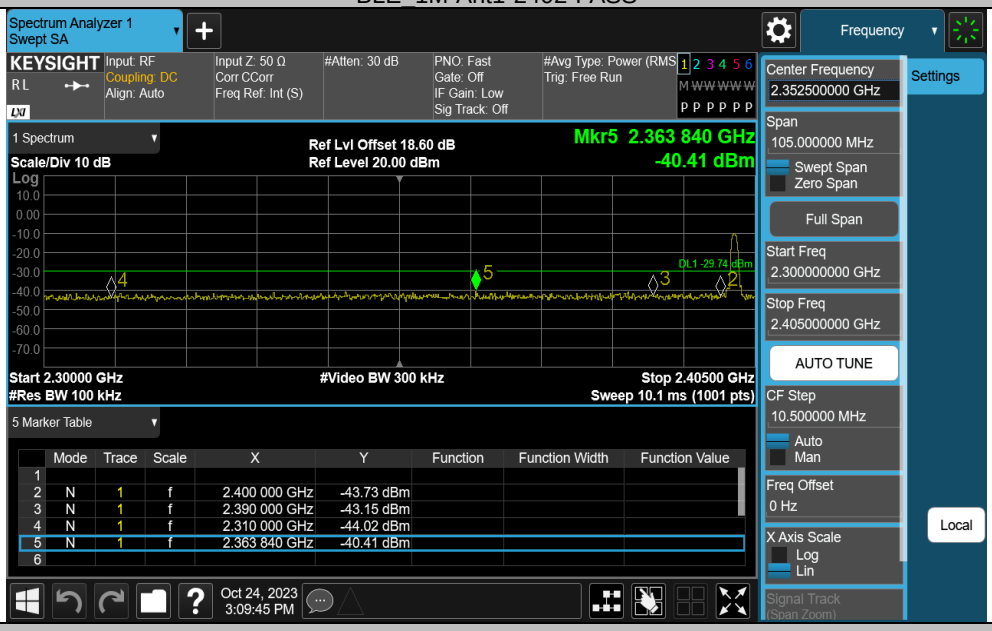
Left earbud

Test Result

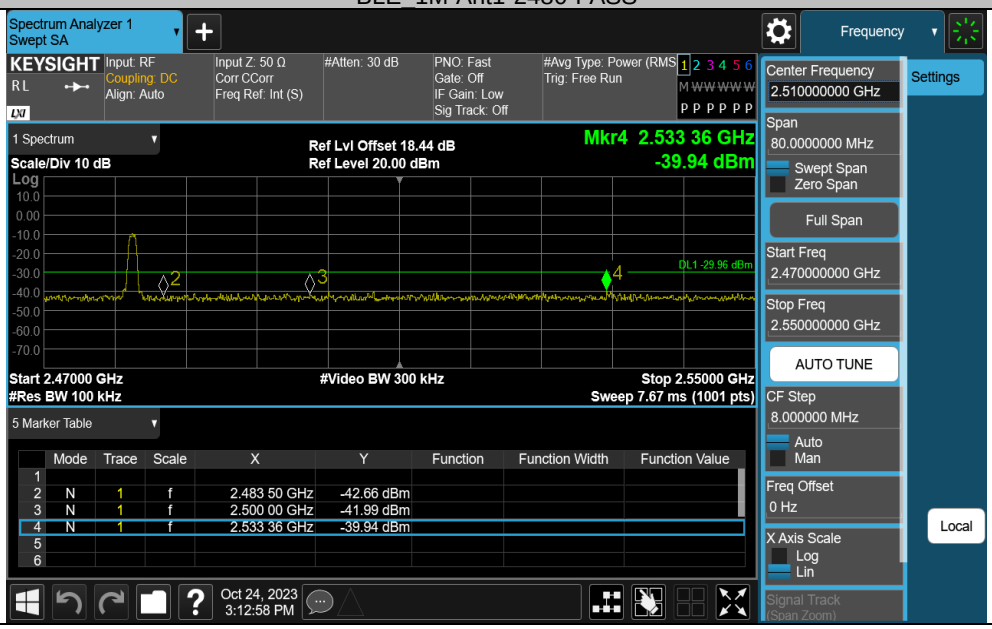
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-9.74	-40.41	≤-29.74	PASS
BLE_1M	Ant1	High	2480	-9.96	-39.94	≤-29.96	PASS
BLE_2M	Ant1	Low	2402	-10.43	-40.31	≤-30.43	PASS
BLE_2M	Ant1	High	2480	-10.00	-40.27	≤-30	PASS

Test Graphs

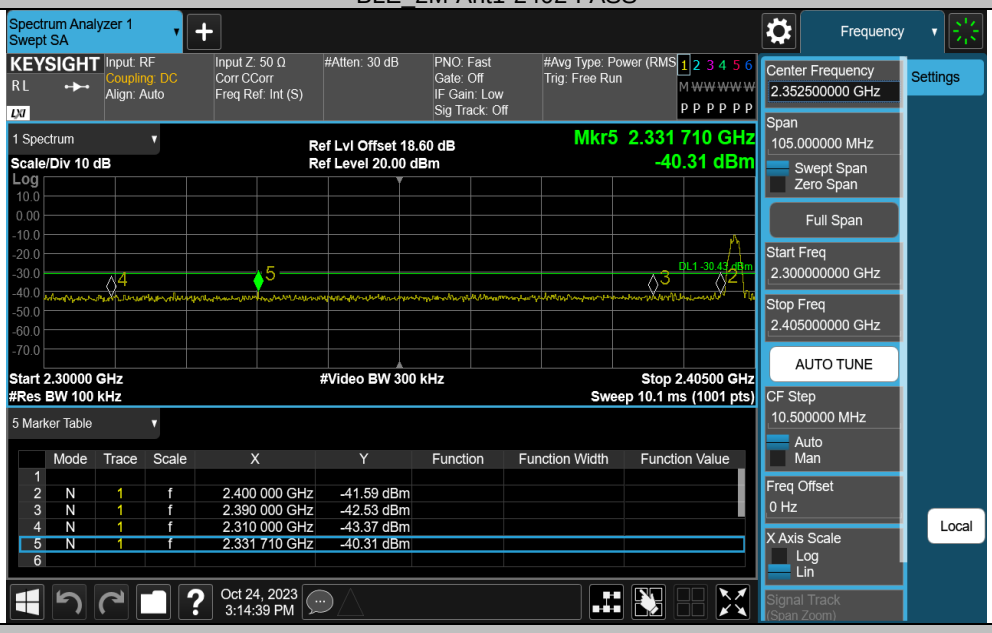
BLE_1M-Ant1-2402-PASS



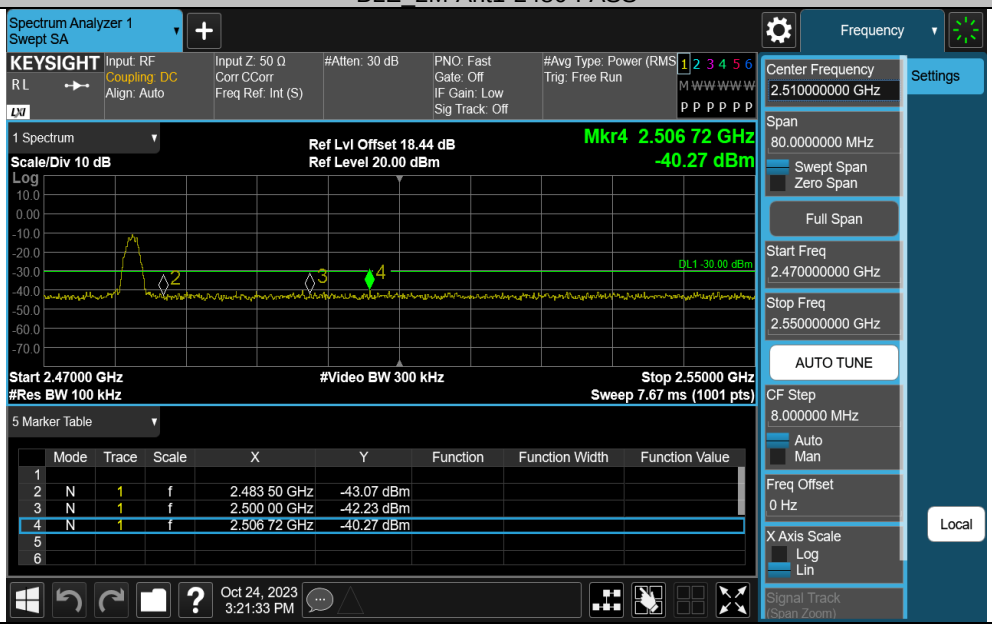
BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2480-PASS



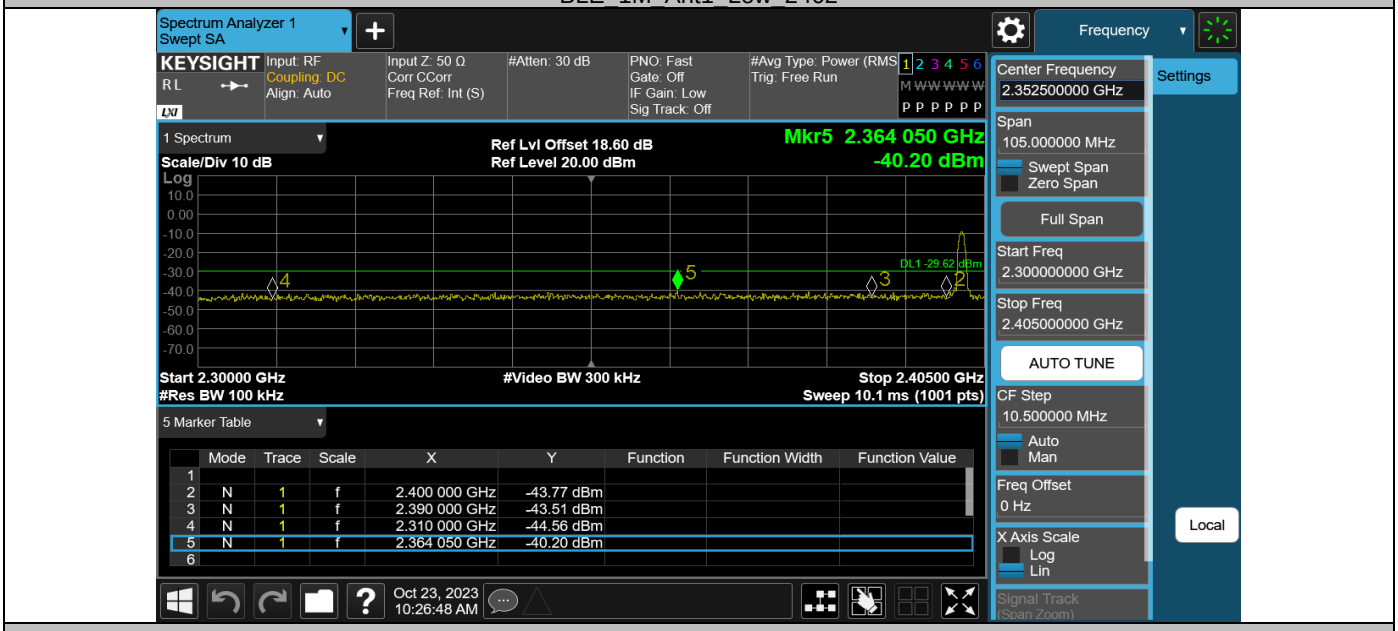
Right earbud

Test Result

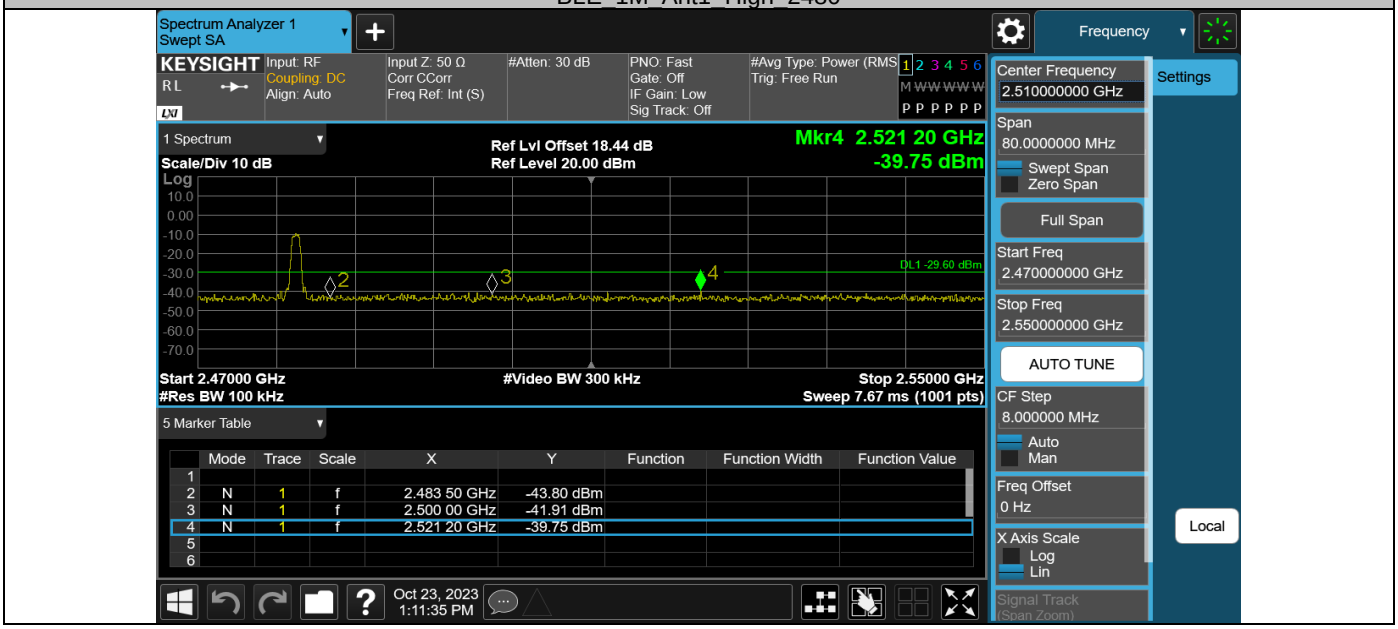
Test Mode	Antenna	Ch Name	Frequency [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-9.62	-40.2	≤-29.62	PASS
		High	2480	-9.60	-39.75	≤-29.6	PASS
BLE_2M	Ant1	Low	2402	-9.71	-40.4	≤-29.71	PASS
		High	2480	-9.99	-40.58	≤-29.99	PASS

Test Graphs

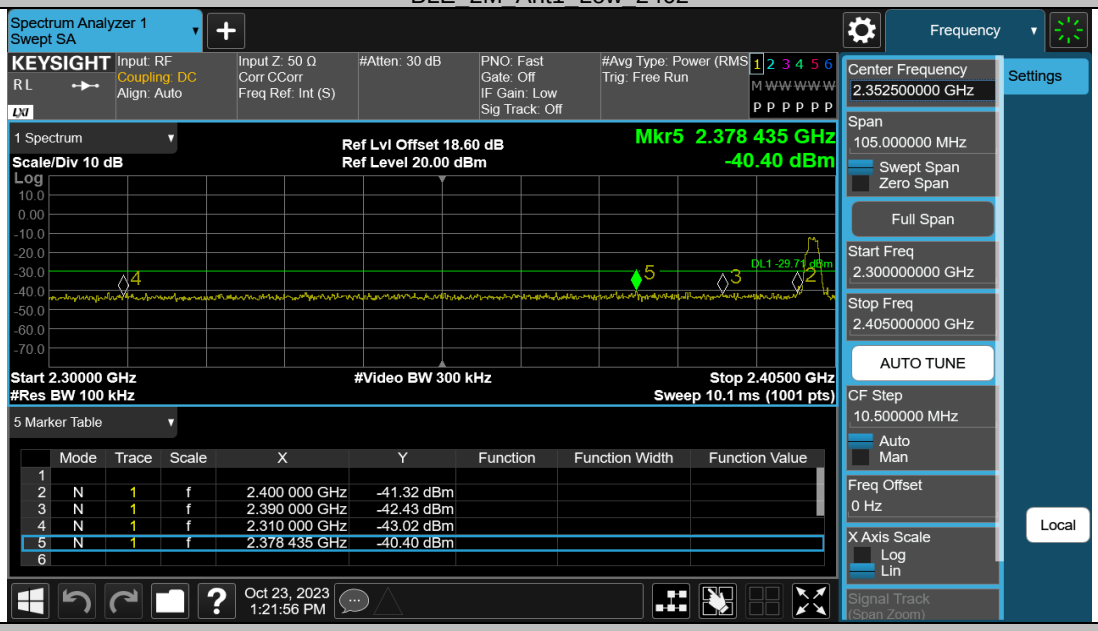
BLE_1M_Ant1_Low_2402



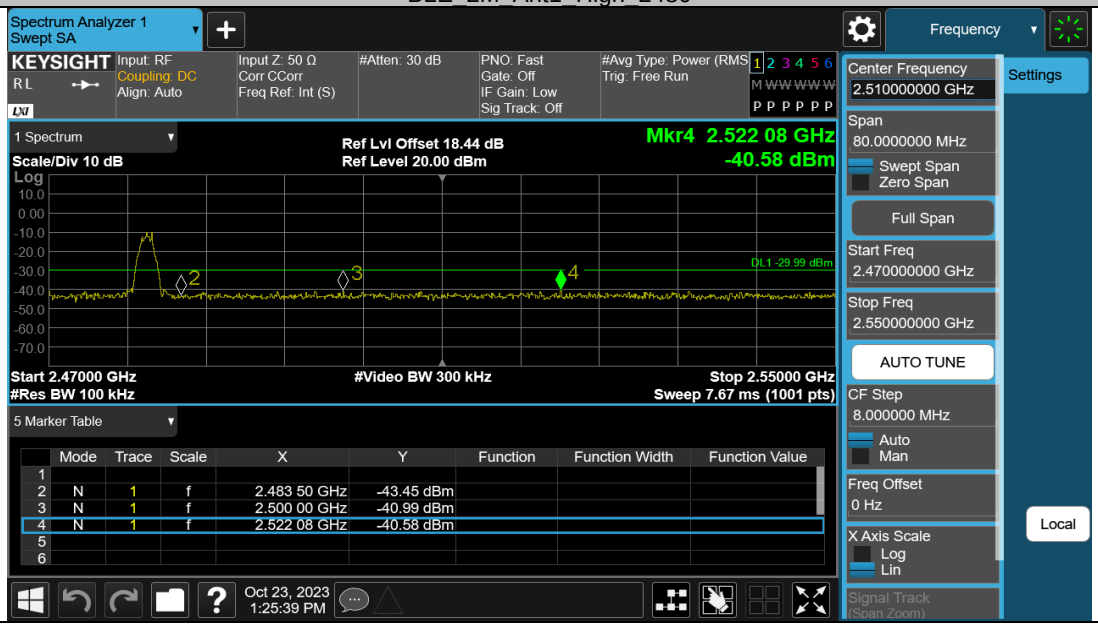
BLE_1M_Ant1_High_2480



BLE_2M_Ant1_Low_2402



BLE_2M_Ant1_High_2480



Appendix G: Conducted Spurious Emission

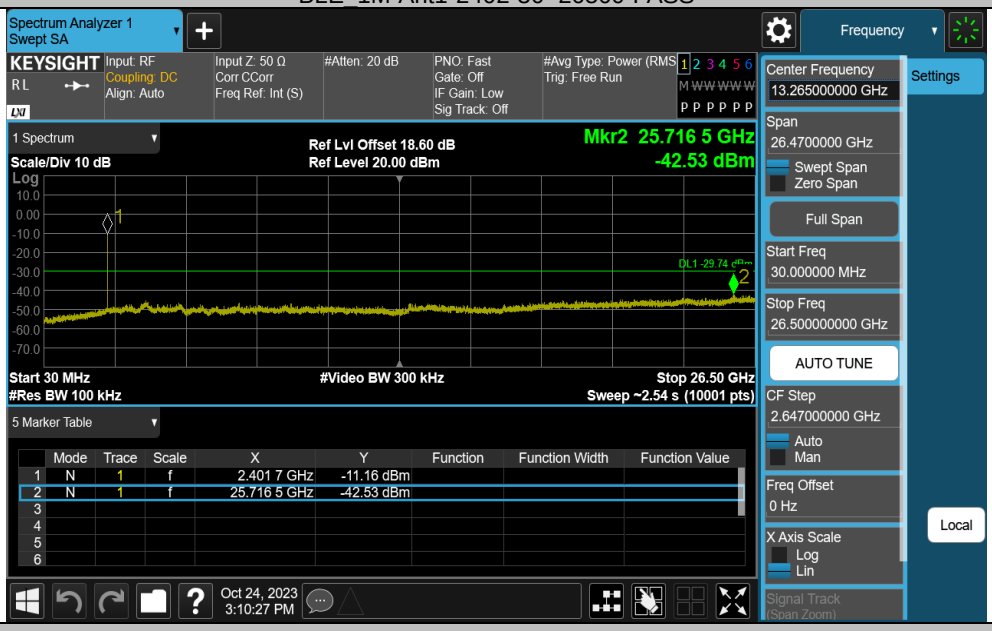
Left earbud

Test Result

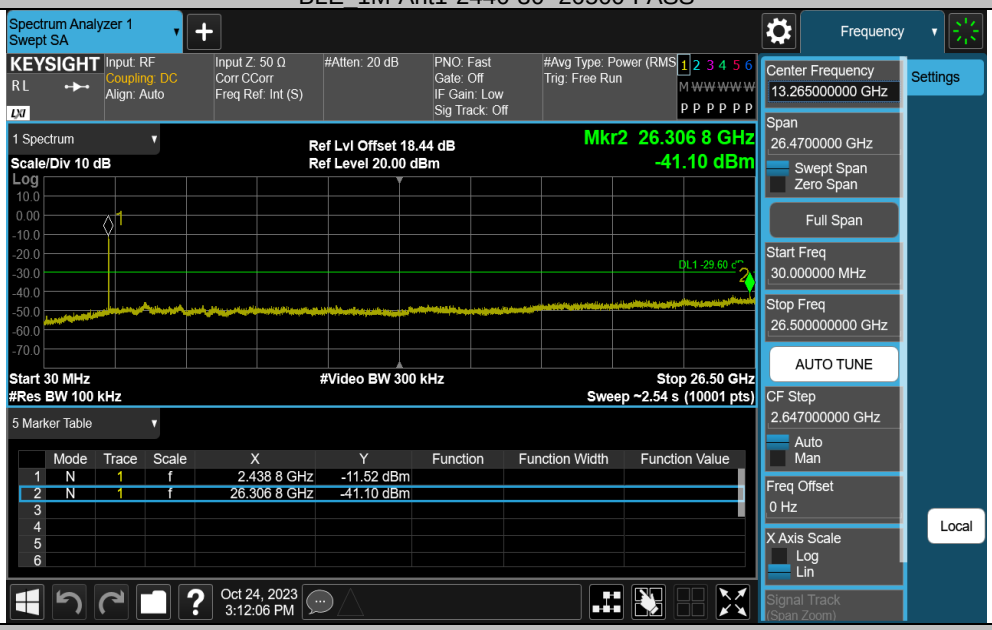
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	30~26500	-9.74	-42.53	≤-29.74	PASS
BLE_1M	Ant1	2440	30~26500	-9.60	-41.1	≤-29.6	PASS
BLE_1M	Ant1	2480	30~26500	-9.96	-42.94	≤-29.96	PASS
BLE_2M	Ant1	2402	30~26500	-10.43	-41.9	≤-30.43	PASS
BLE_2M	Ant1	2440	30~26500	-9.89	-42.14	≤-29.89	PASS
BLE_2M	Ant1	2480	30~26500	-10.00	-41.71	≤-30	PASS

Test Graphs

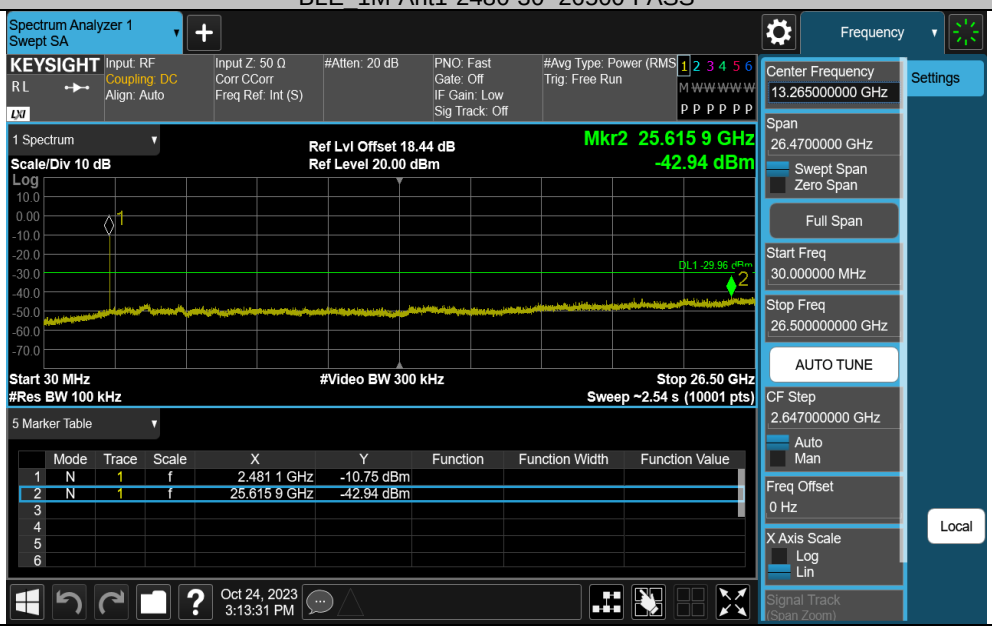
BLE_1M-Ant1-2402-30~26500-PASS



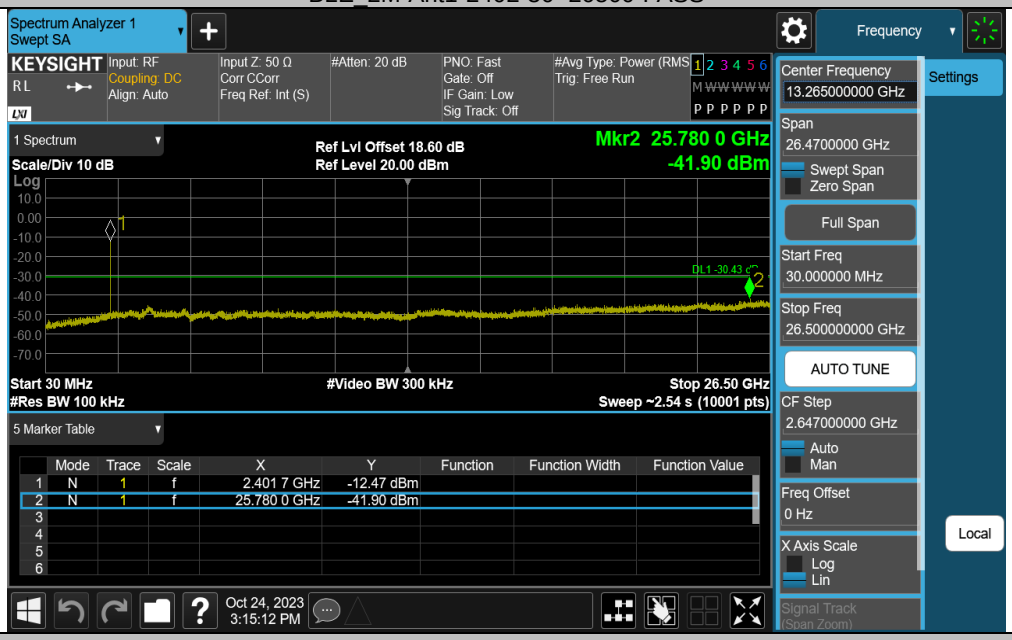
BLE_1M-Ant1-2440-30~26500-PASS



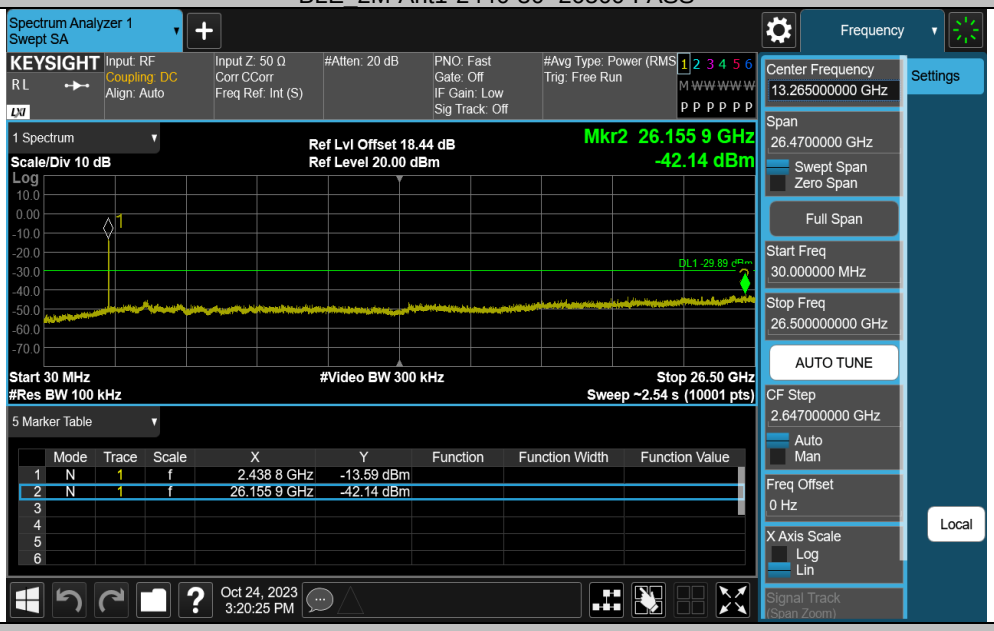
BLE_1M-Ant1-2480-30~26500-PASS



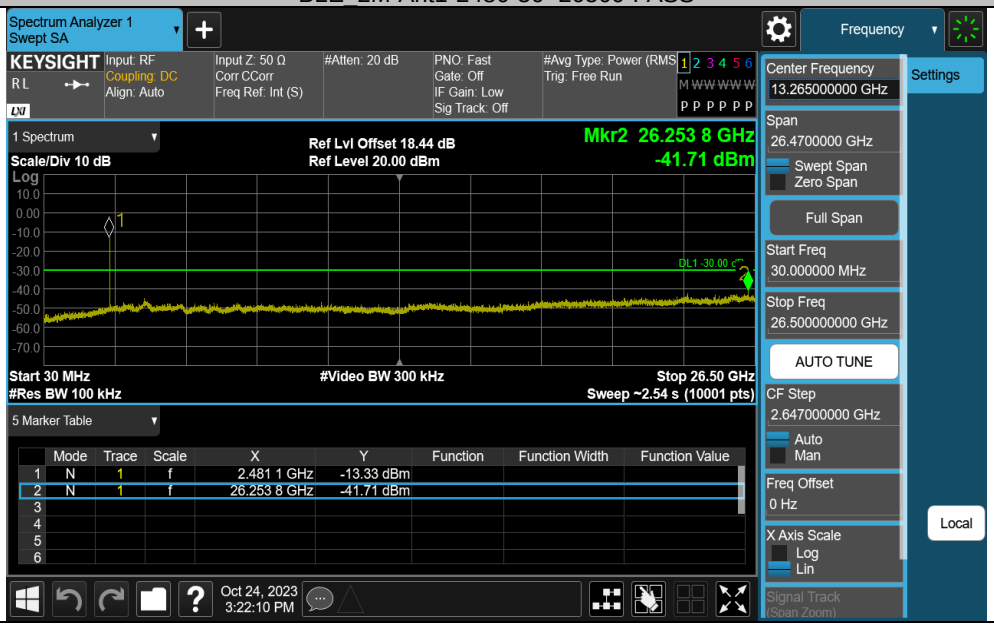
BLE_2M-Ant1-2402-30~26500-PASS



BLE_2M-Ant1-2440-30~26500-PASS



BLE_2M-Ant1-2480-30~26500-PASS



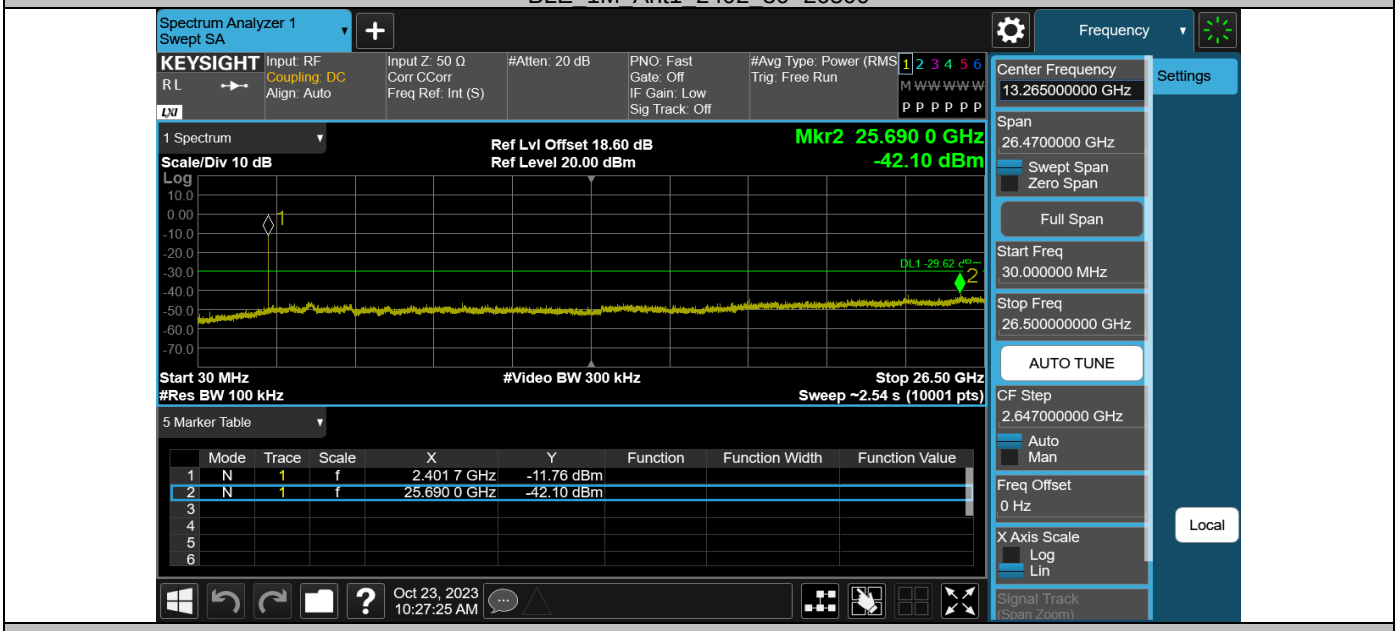
Right earbud

Test Result

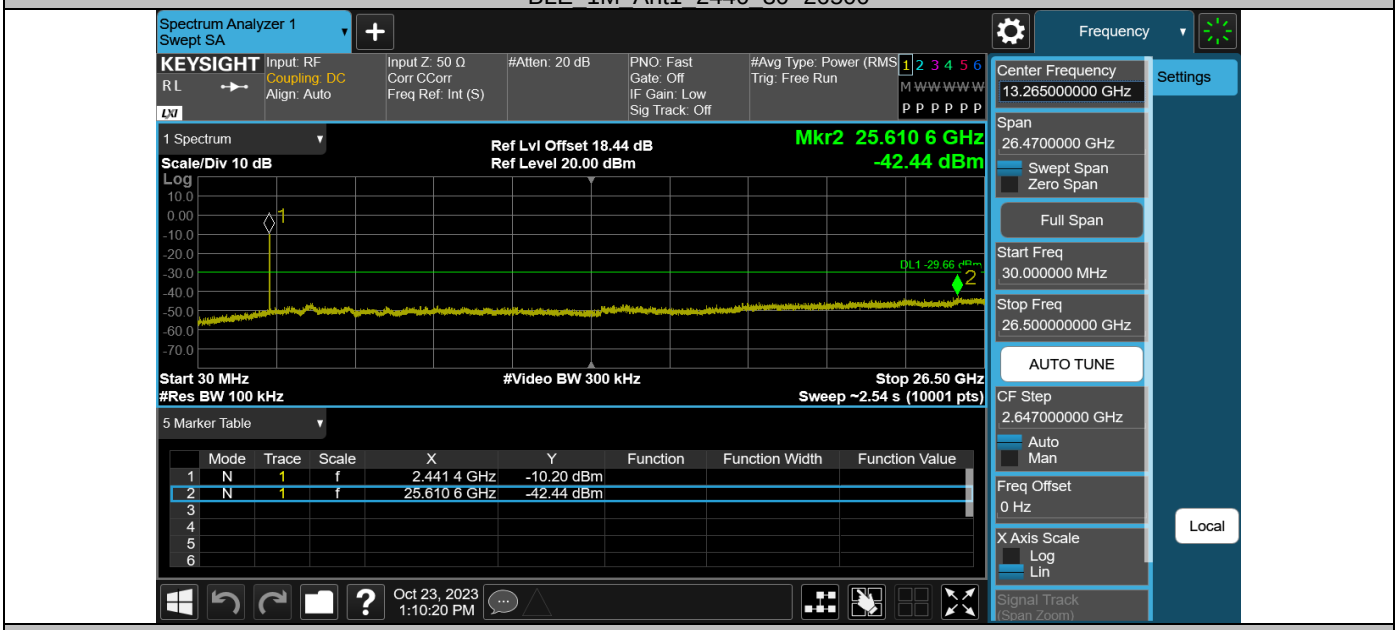
Test Mode	Antenna	Frequency[MHz]	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	30~26500	-9.62	-42.1	≤-29.62	PASS
		2440	30~26500	-9.66	-42.44	≤-29.66	PASS
		2480	30~26500	-9.60	-43.12	≤-29.6	PASS
BLE_2M	Ant1	2402	30~26500	-9.71	-42.37	≤-29.71	PASS
		2440	30~26500	-10.41	-42.49	≤-30.41	PASS
		2480	30~26500	-9.99	-41.79	≤-29.99	PASS

Test Graphs

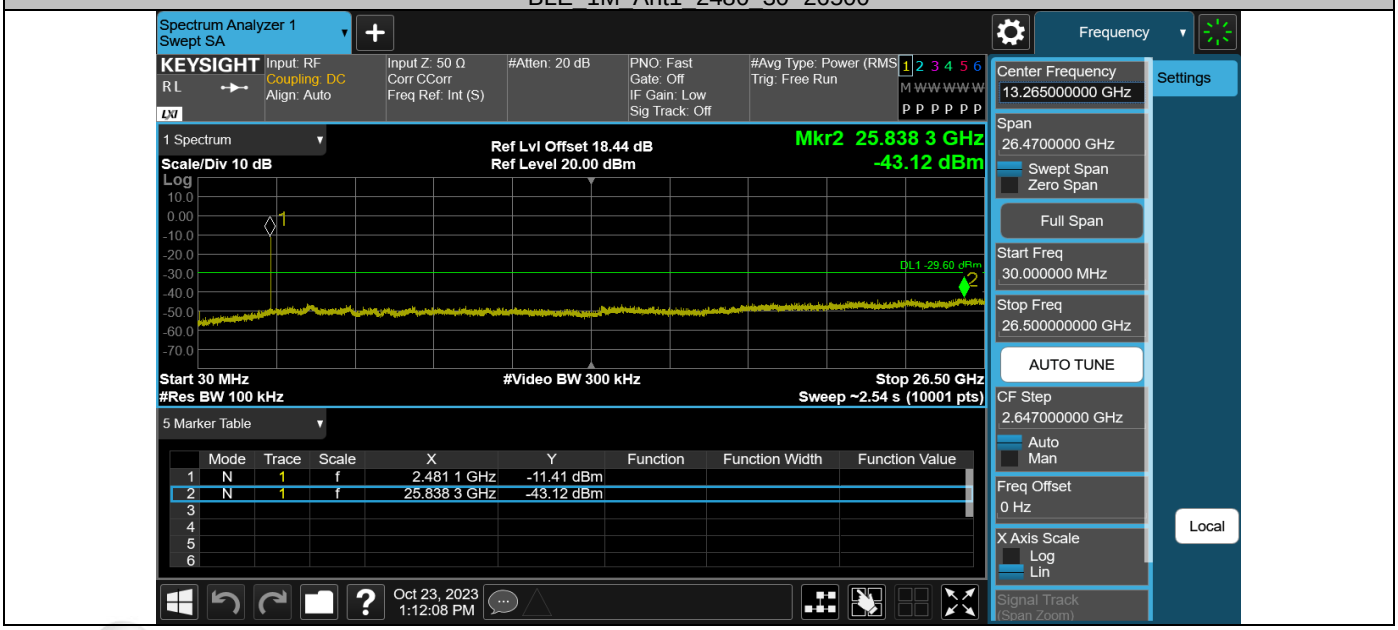
BLE_1M_Ant1_2402_30~26500



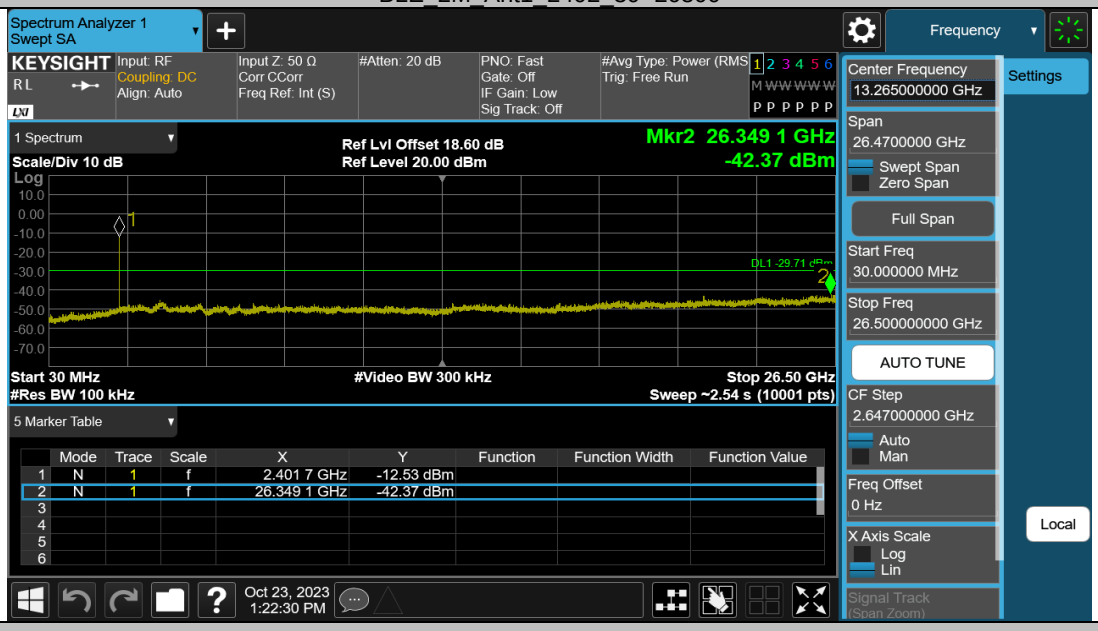
BLE_1M_Ant1_2440_30~26500



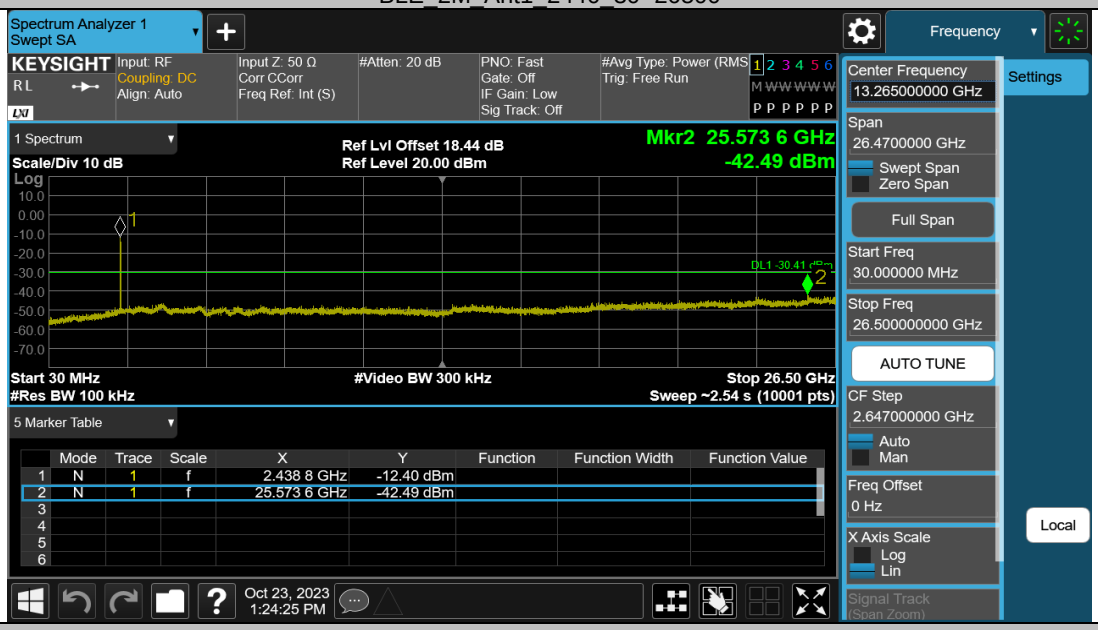
BLE_1M_Ant1_2480_30~26500



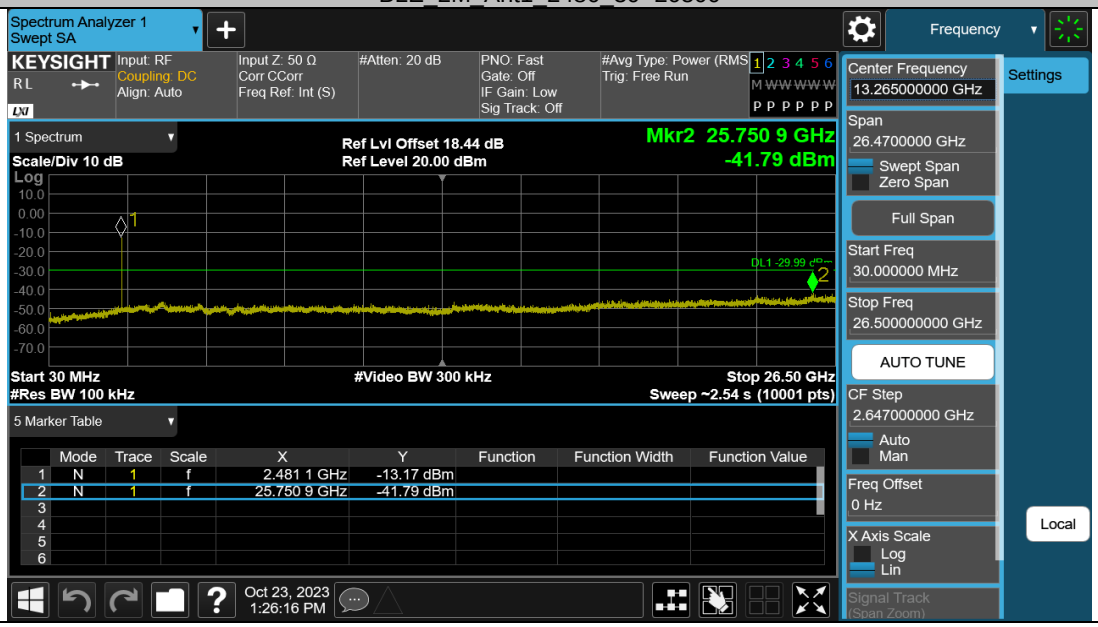
BLE_2M_Ant1_2402_30~26500



BLE_2M_Ant1_2440_30~26500



BLE_2M_Ant1_2480_30~26500



Appendix H: Duty Cycle

Left earbud

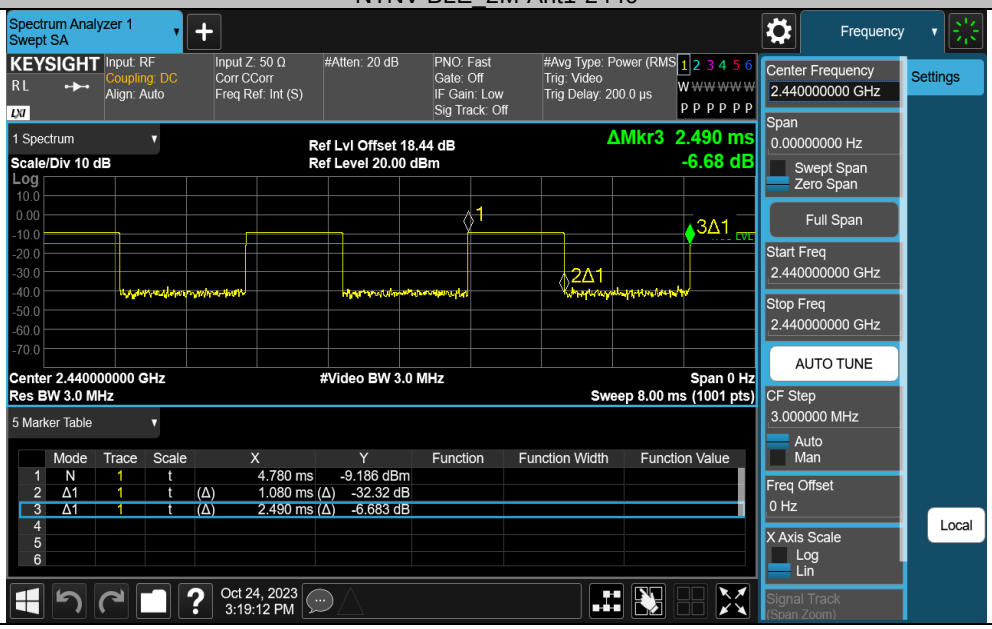
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2440	2.14	2.50	85.60	0.68
BLE_2M	Ant1	2440	1.08	2.49	43.37	3.63

Test Graphs

NTNV-BLE_1M-Ant1-2440

NTNV-BLE_2M-Ant1-2440



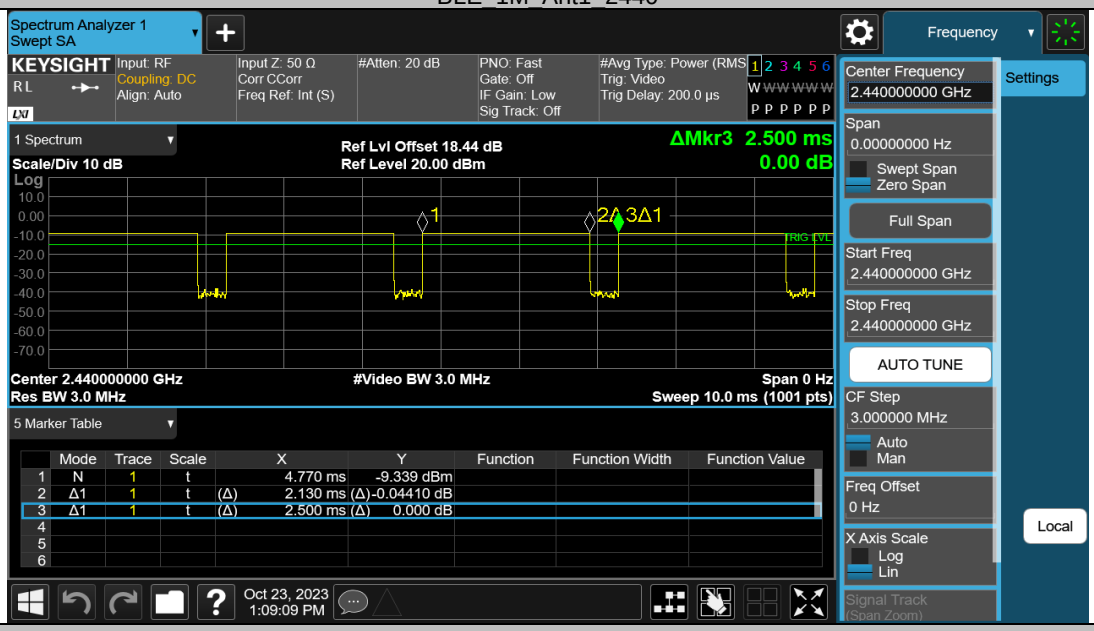
Right earbud

Test Result

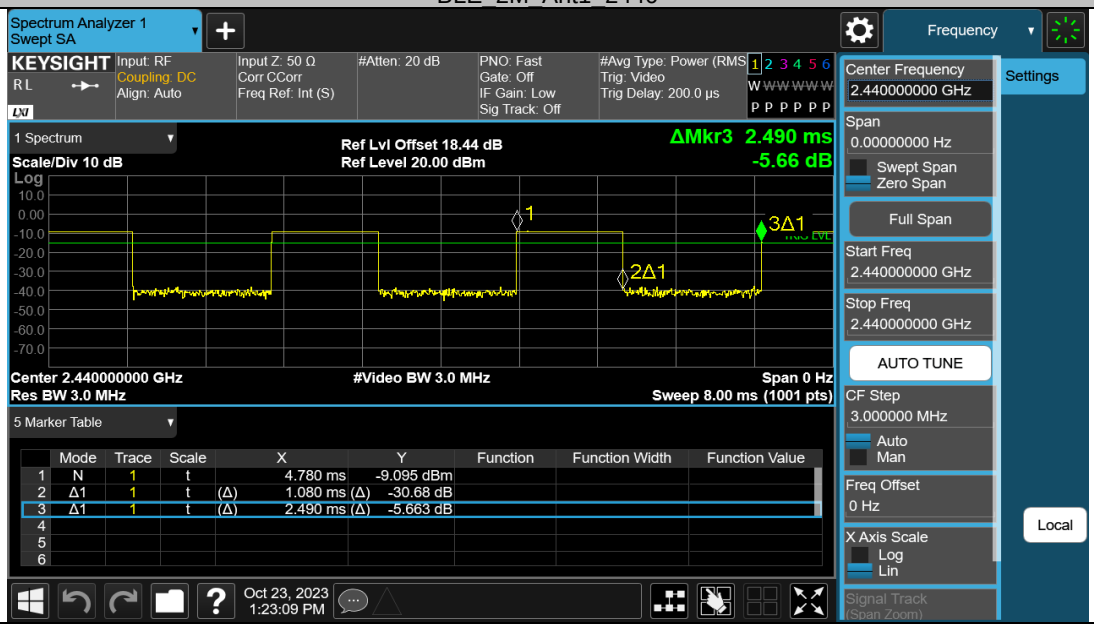
Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor [dB]
BLE_1M	Ant1	2440	2.13	2.50	85.20	0.70
BLE_2M	Ant1	2440	1.08	2.49	43.37	3.63

Test Graphs

BLE_1M_Ant1_2440



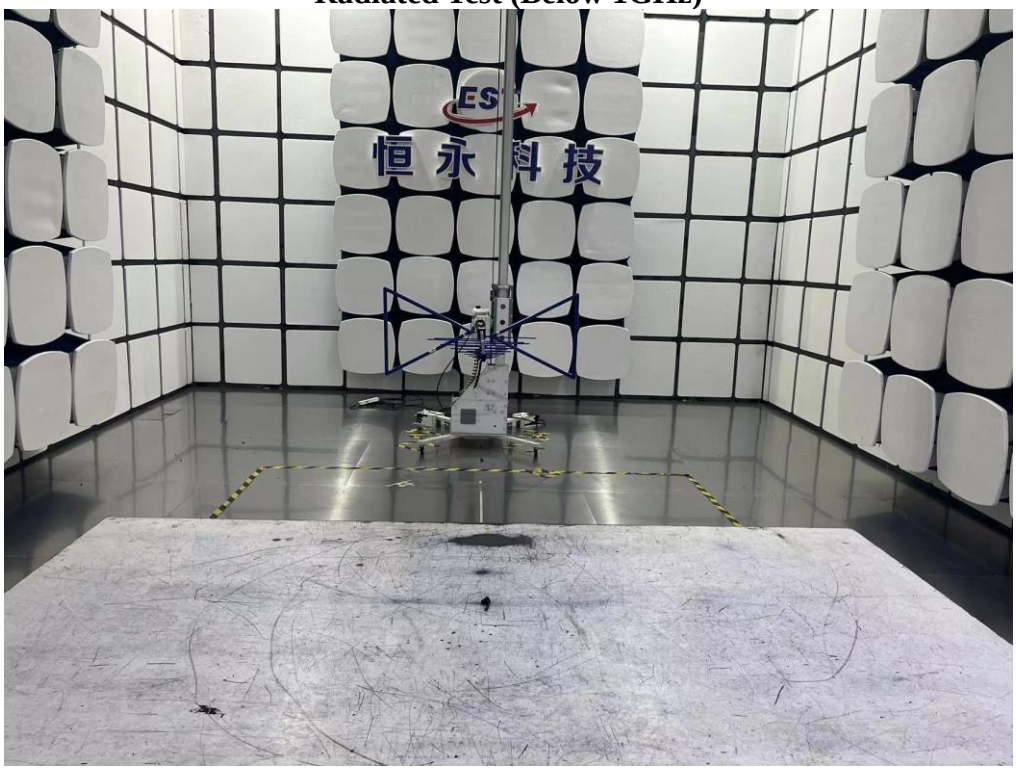
BLE_2M_Ant1_2440



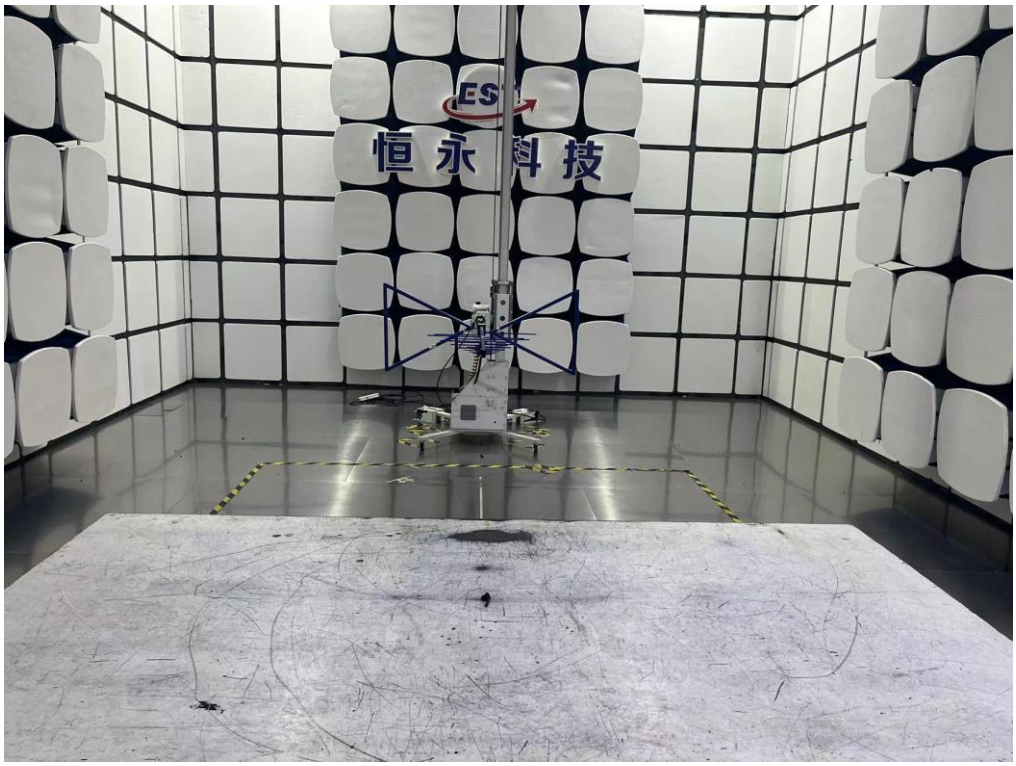
12. TEST SETUP PHOTO

Conducted Test

Radiated Test (Below 1GHz)

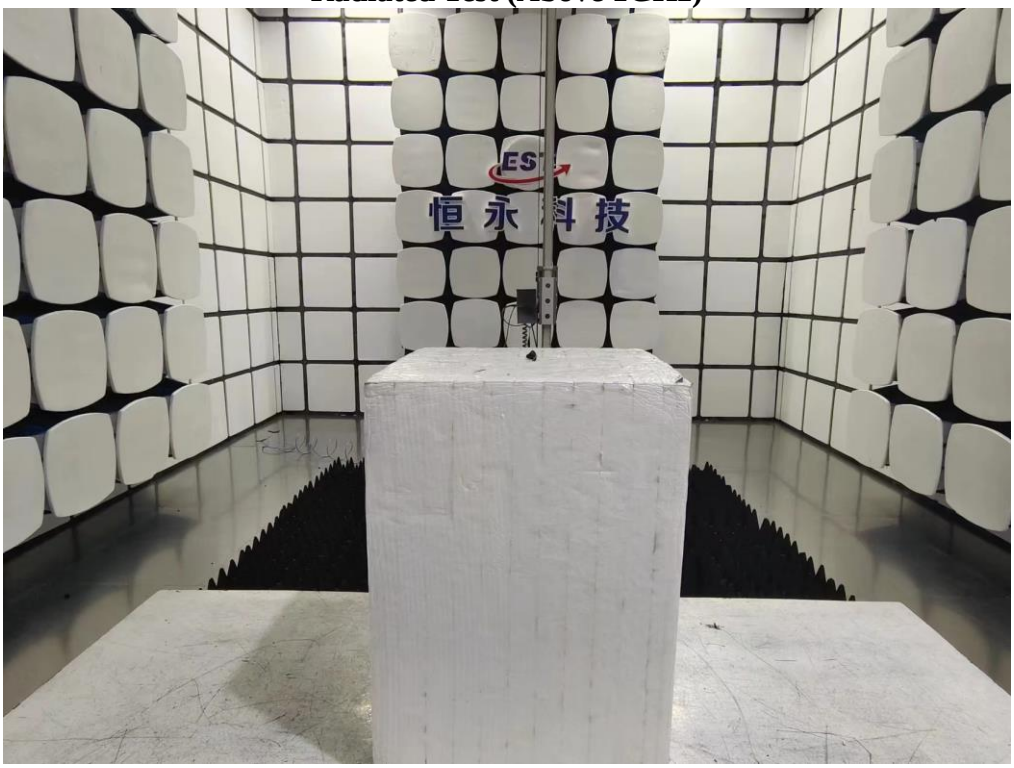


Left earbud

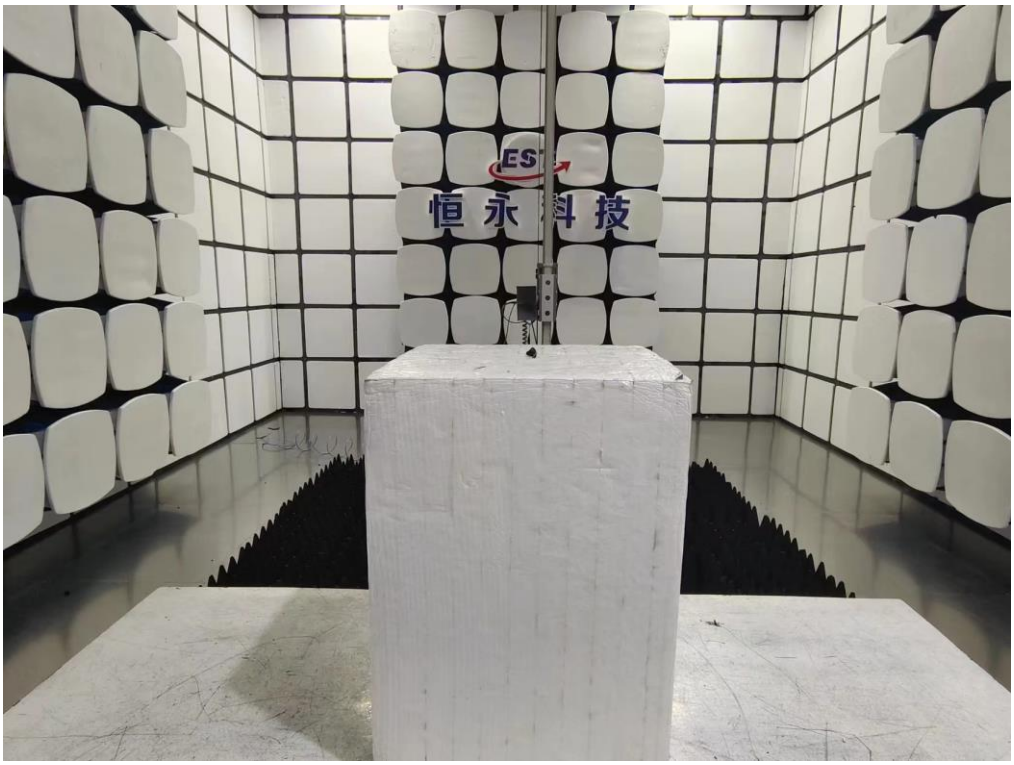


Right earbud

Radiated Test (Above 1GHz)



Left earbud



Right earbud

13. EUT PHOTO

External Photos

M/N: Defunc TRUE LITE

External Photos

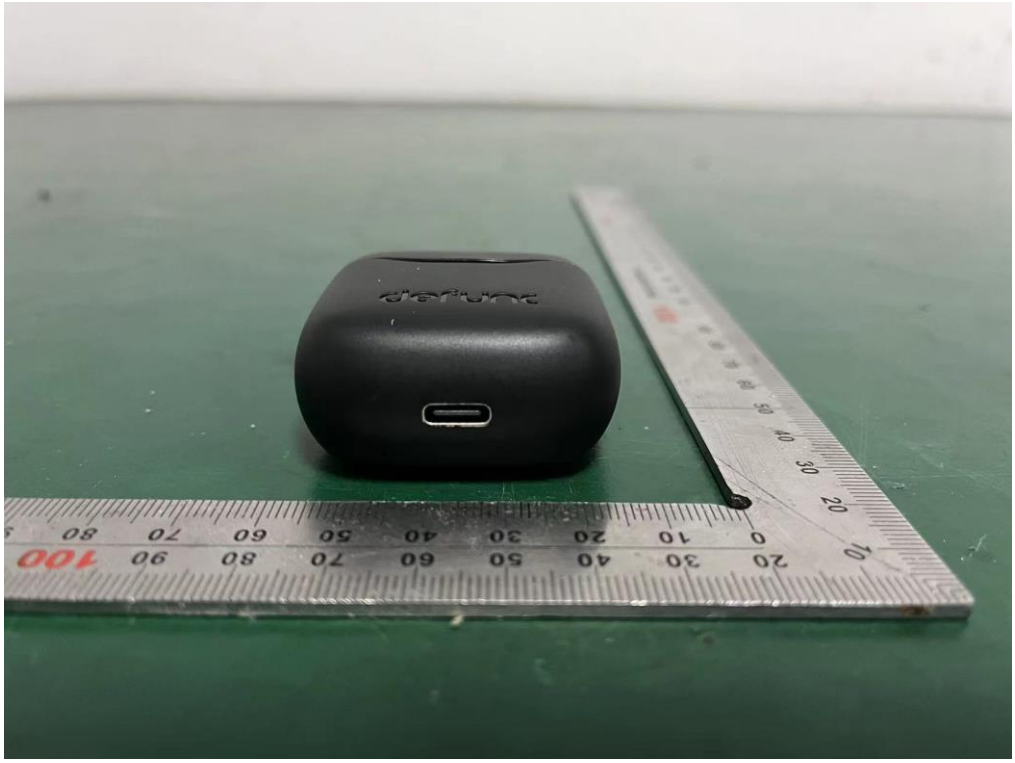
M/N: Defunc TRUE LITE

External Photos

M/N: Defunc TRUE LITE

External Photos

M/N: Defunc TRUE LITE



External Photos

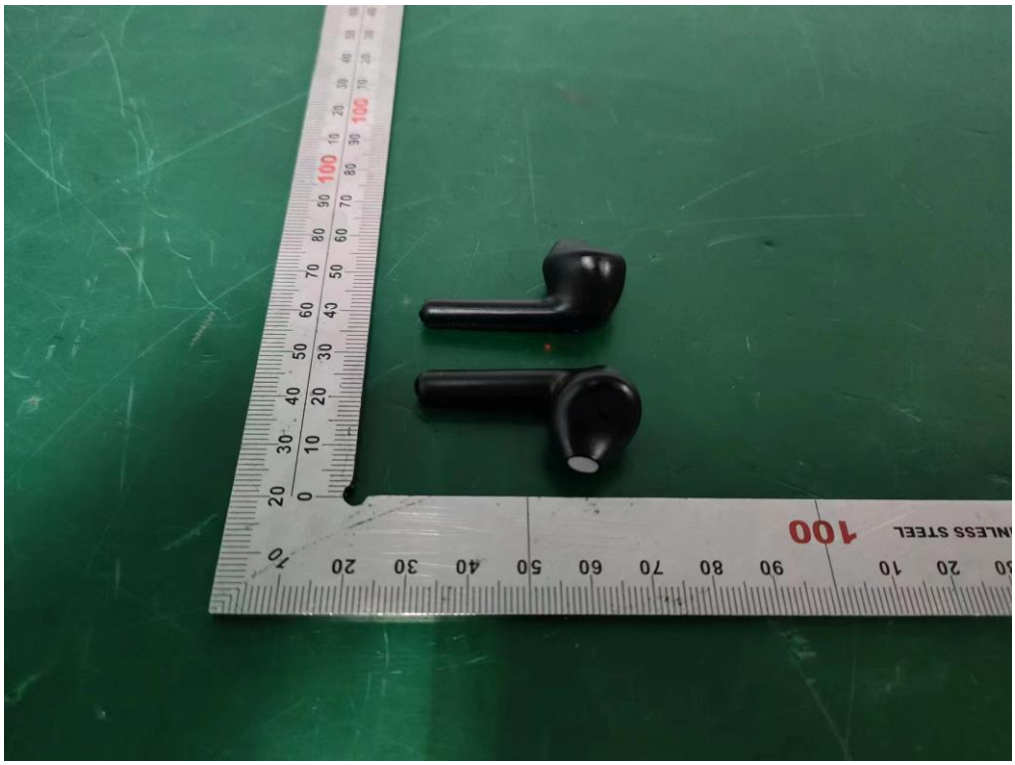
M/N: Defunc TRUE LITE

External Photos

M/N: Defunc TRUE LITE

External Photos

M/N: Defunc TRUE LITE

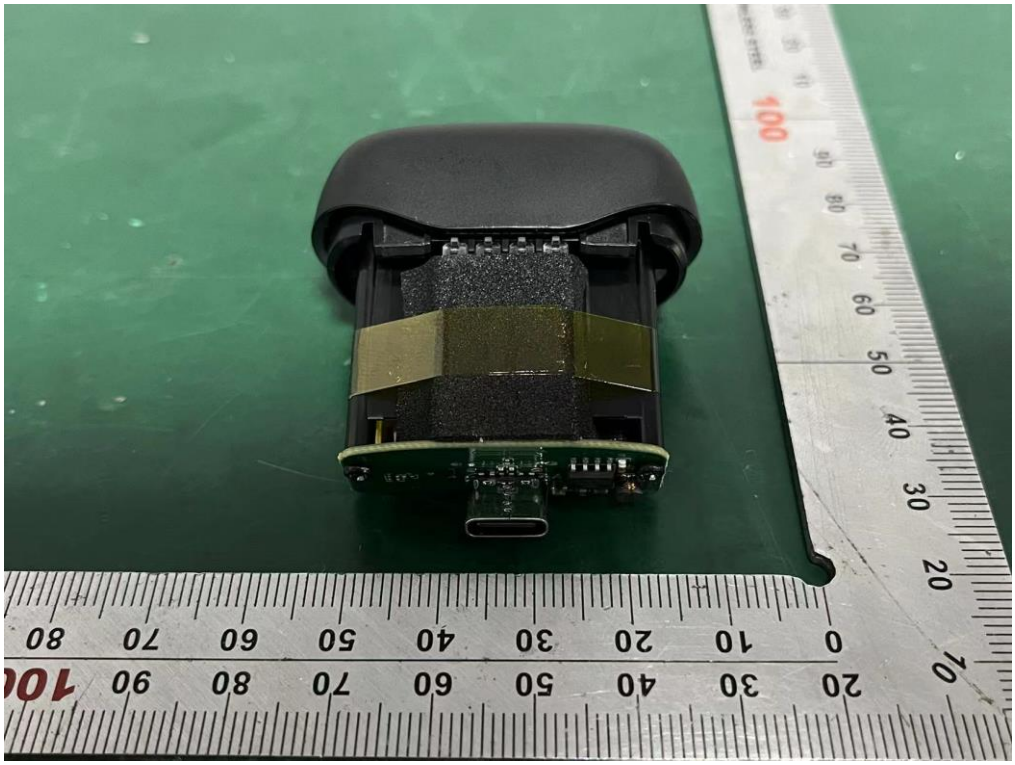


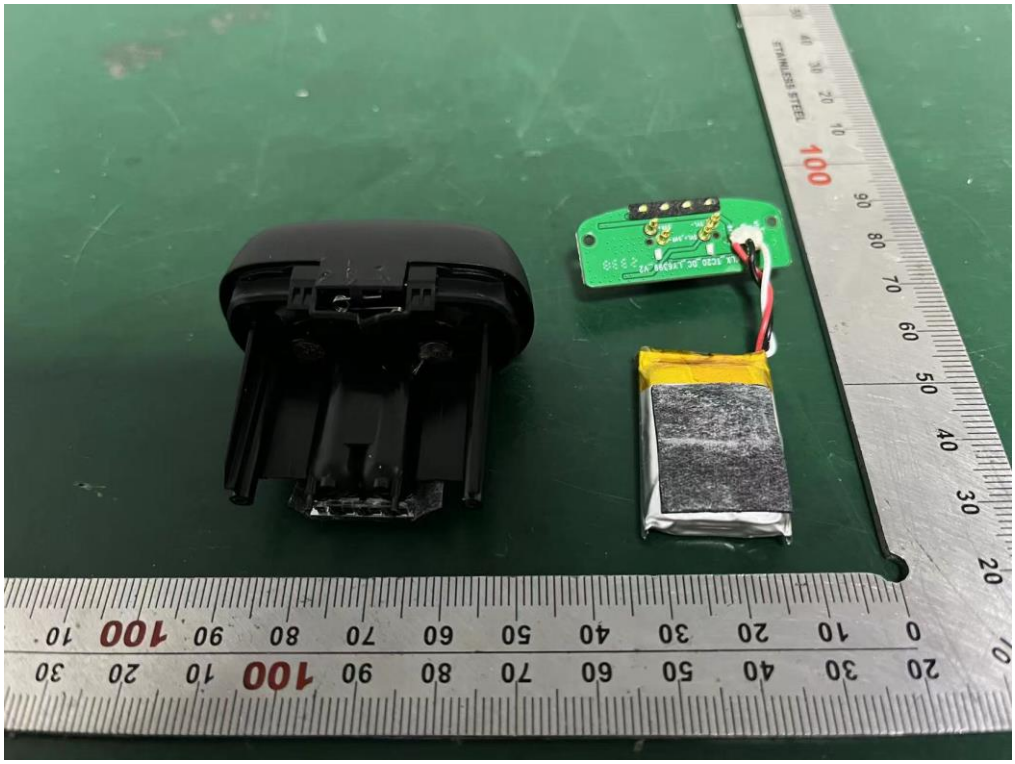
Internal Photos

M/N: Defunc TRUE LITE

Internal Photos

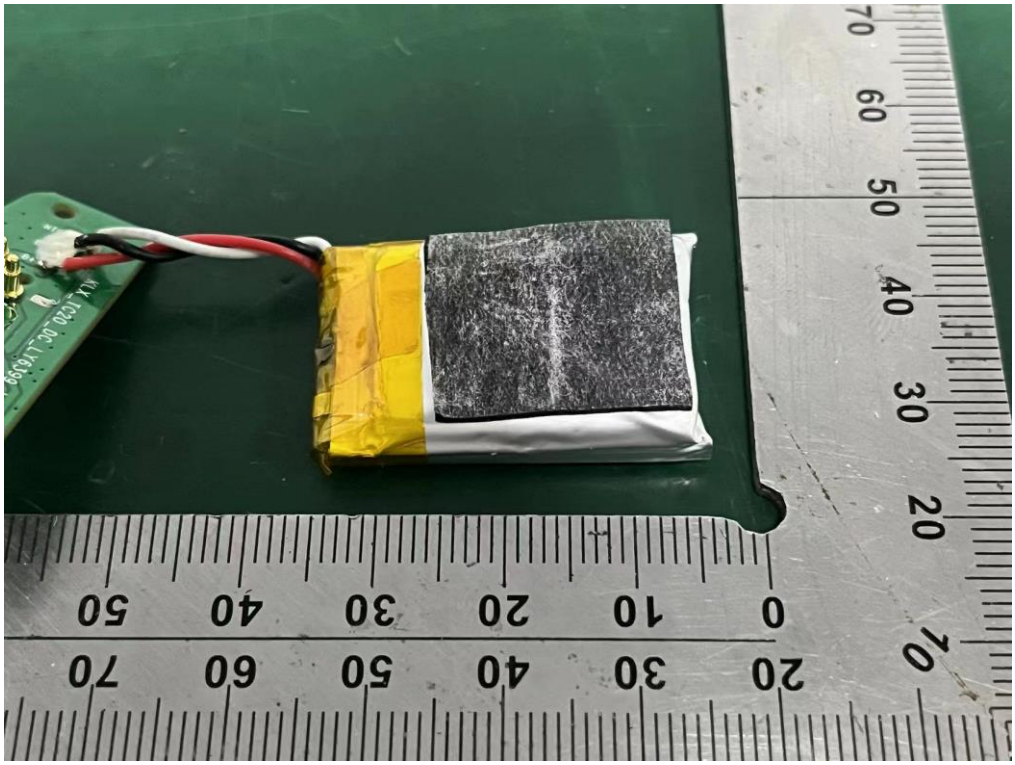
M/N: Defunc TRUE LITE

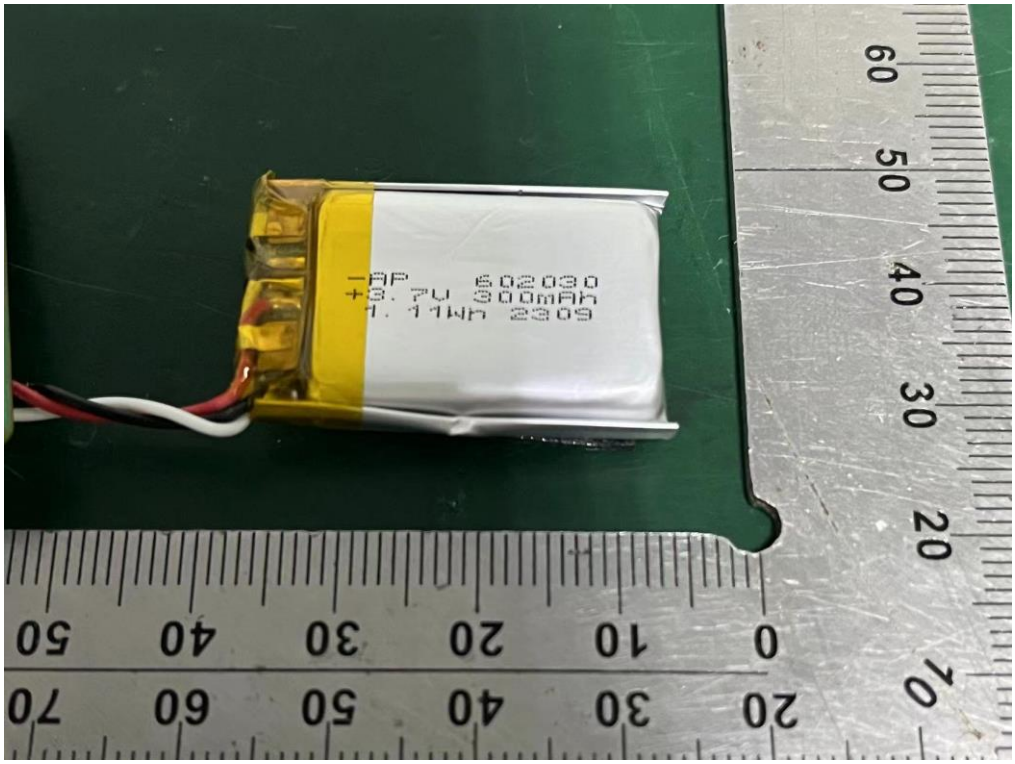




Internal Photos

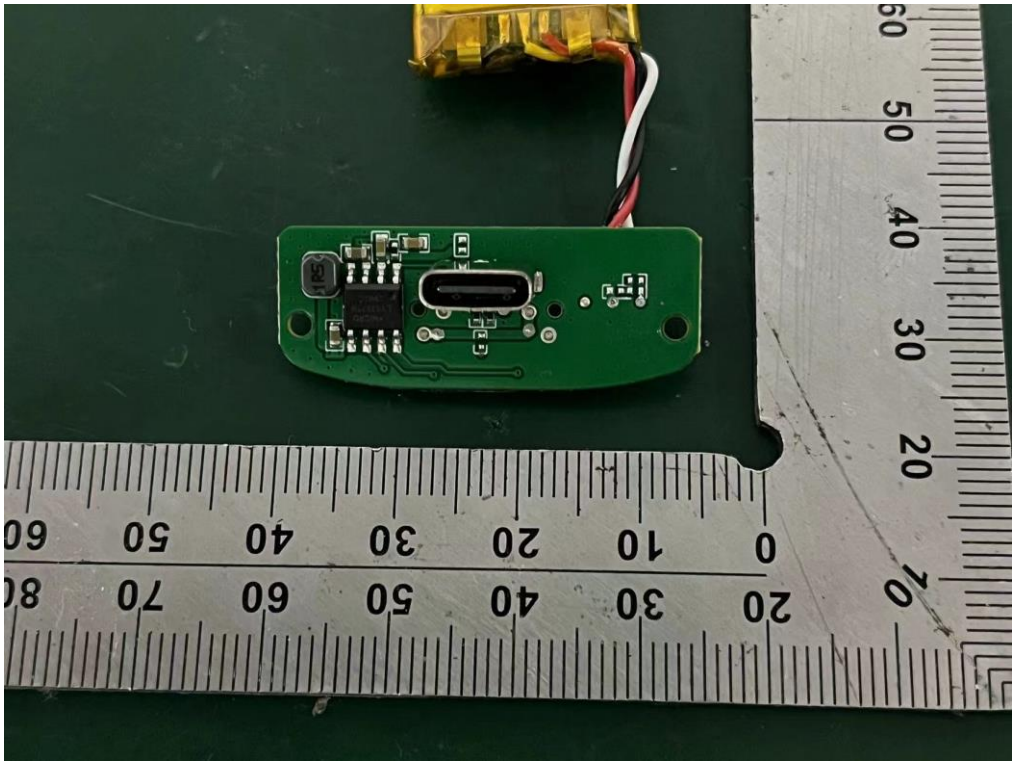
M/N: Defunc TRUE LITE

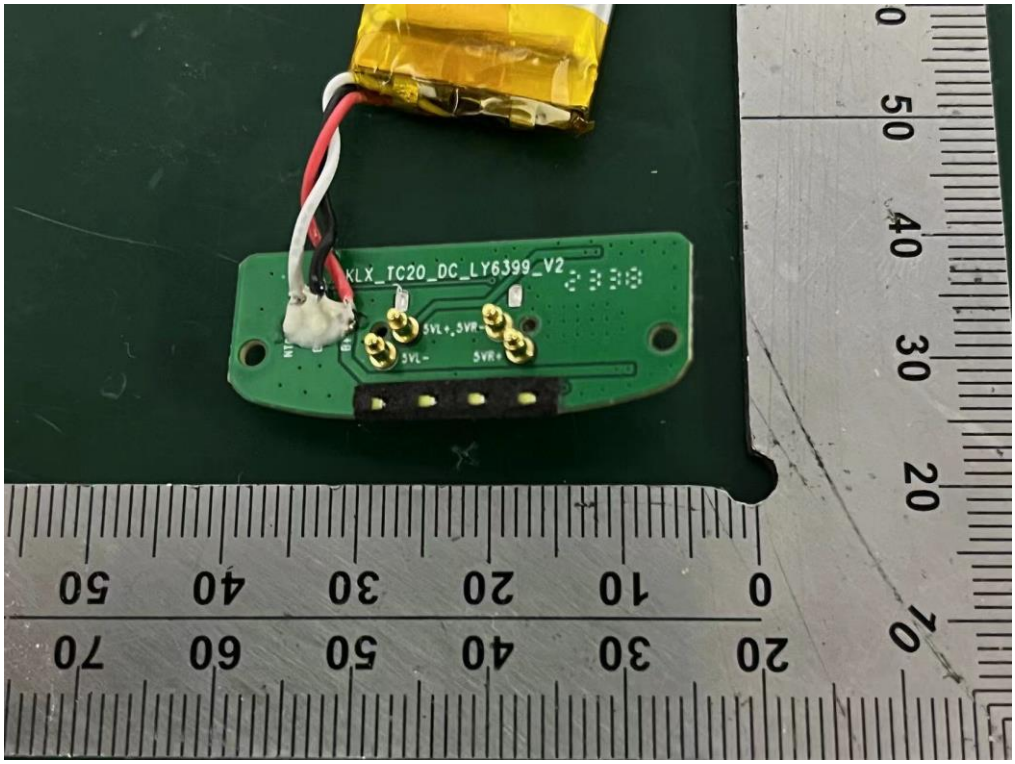




Internal Photos

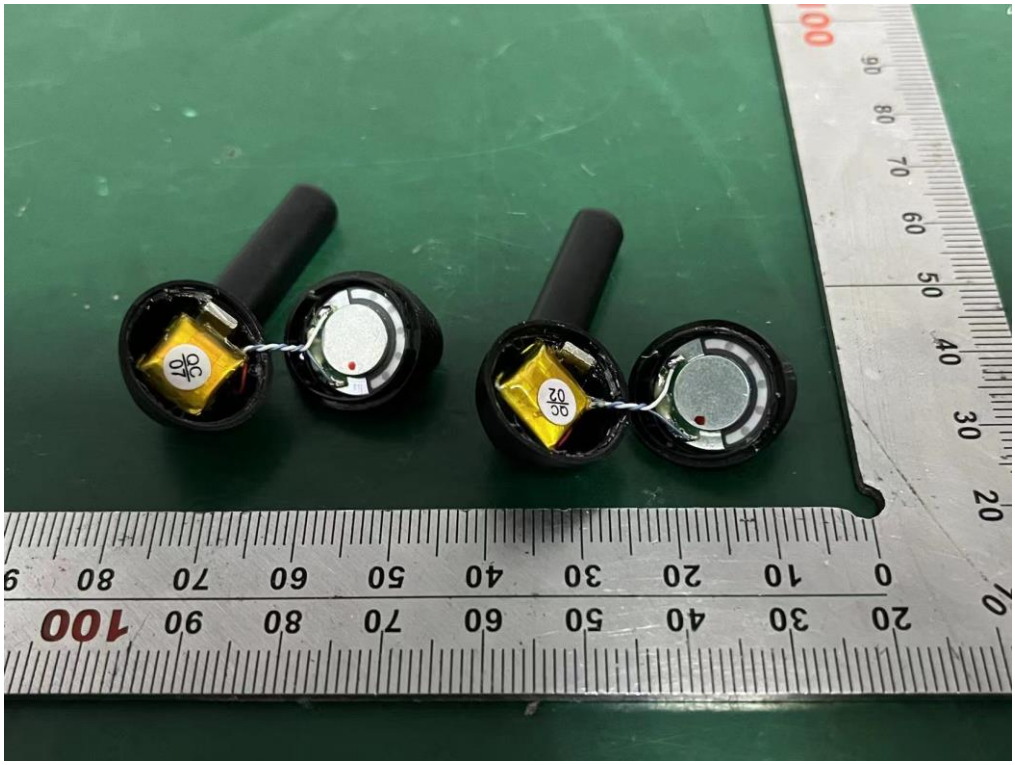
M/N: Defunc TRUE LITE

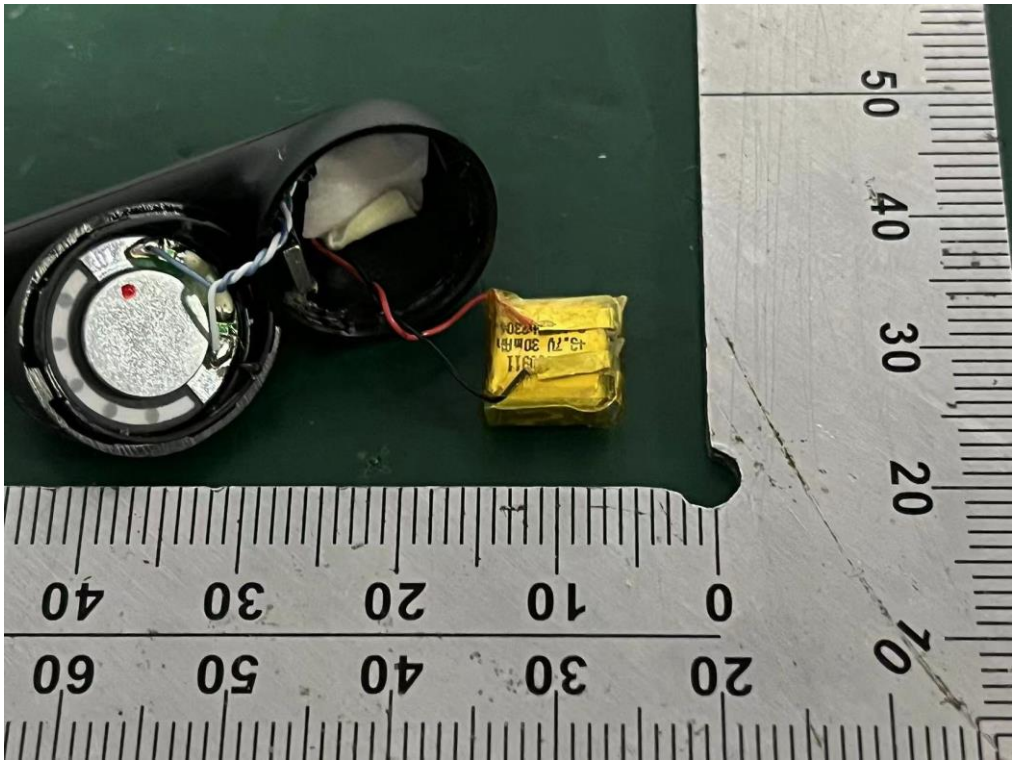




Internal Photos

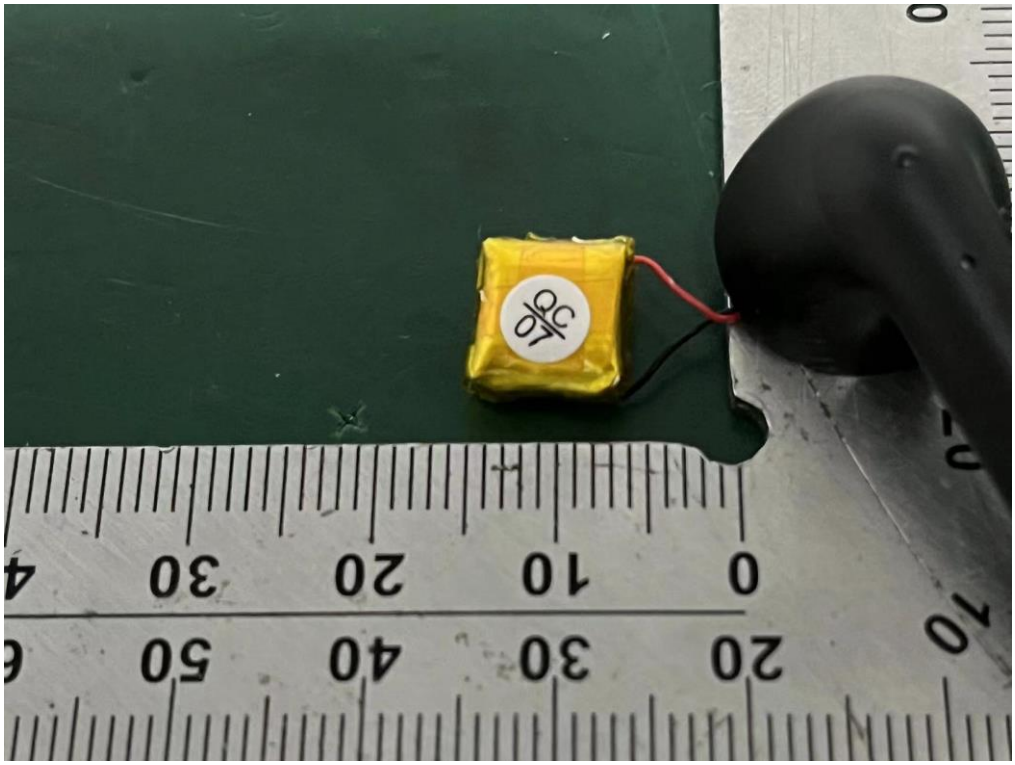
M/N: Defunc TRUE LITE

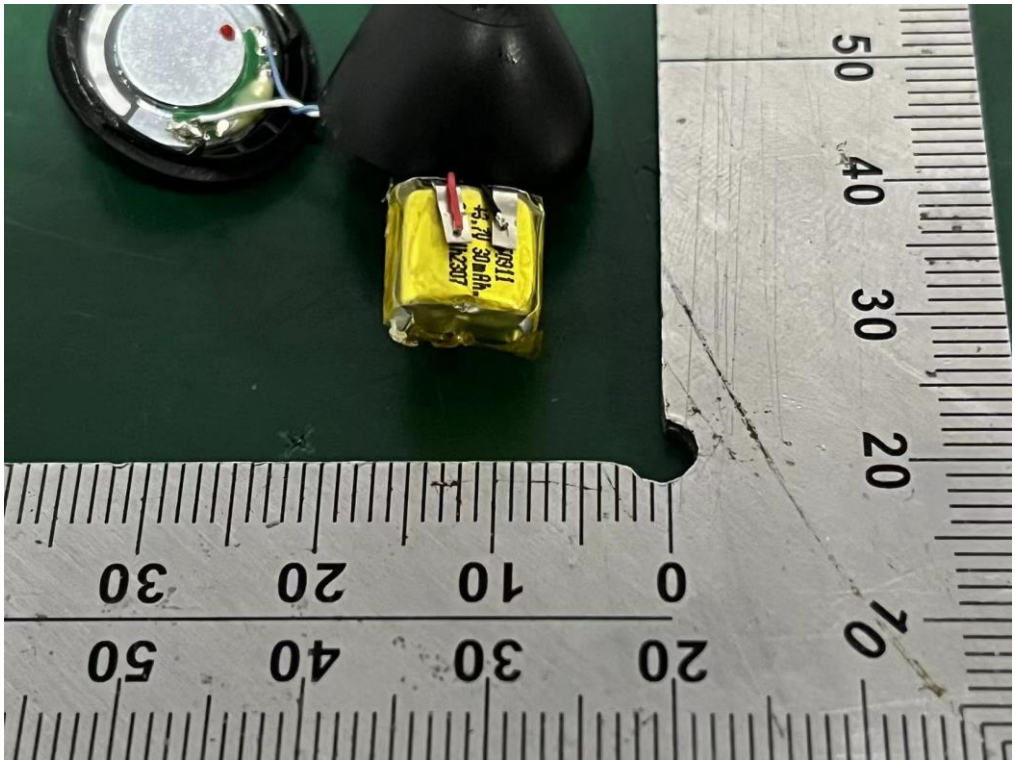




Internal Photos

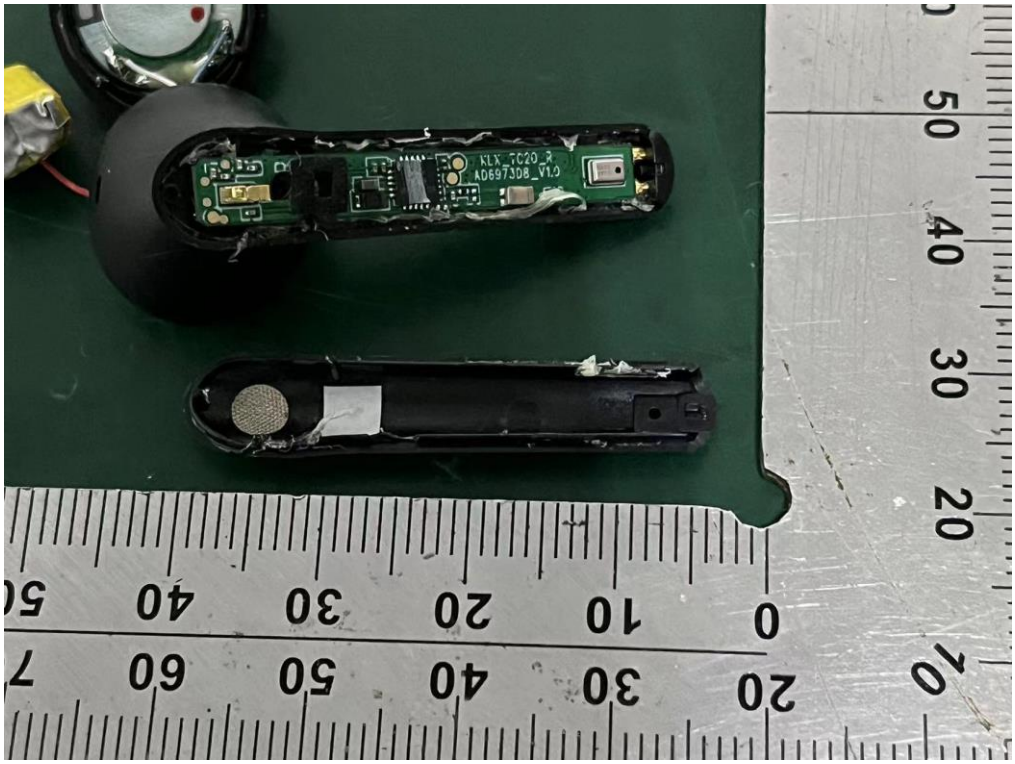
M/N: Defunc TRUE LITE





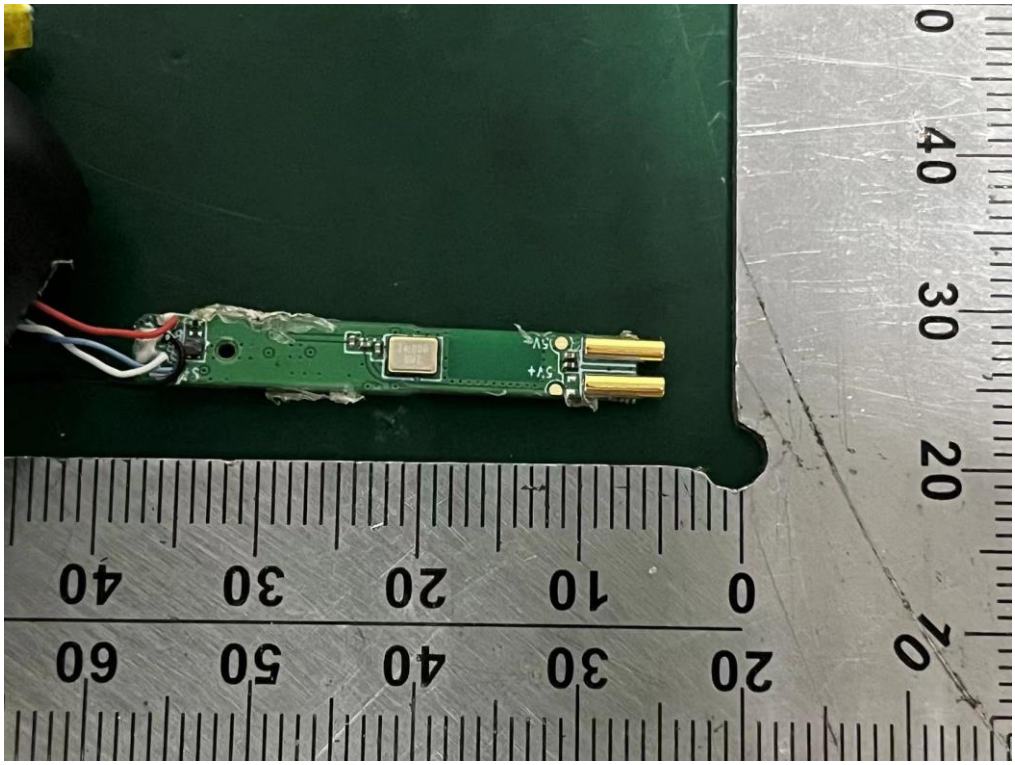
Internal Photos

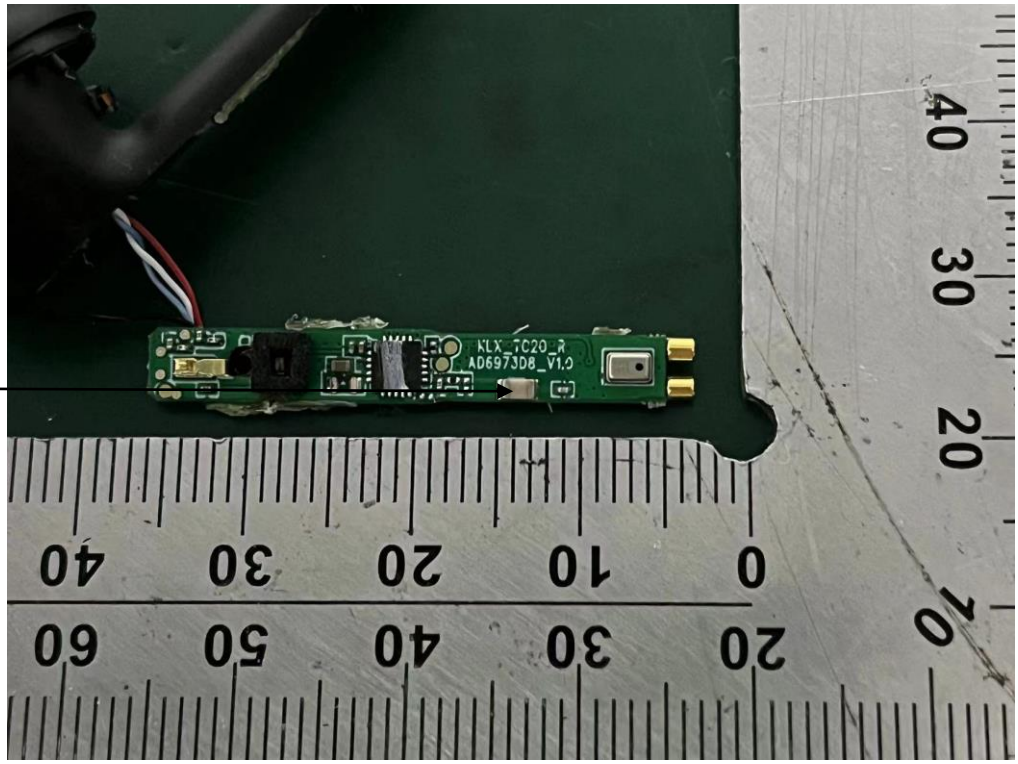
M/N: Defunc TRUE LITE



Internal Photos

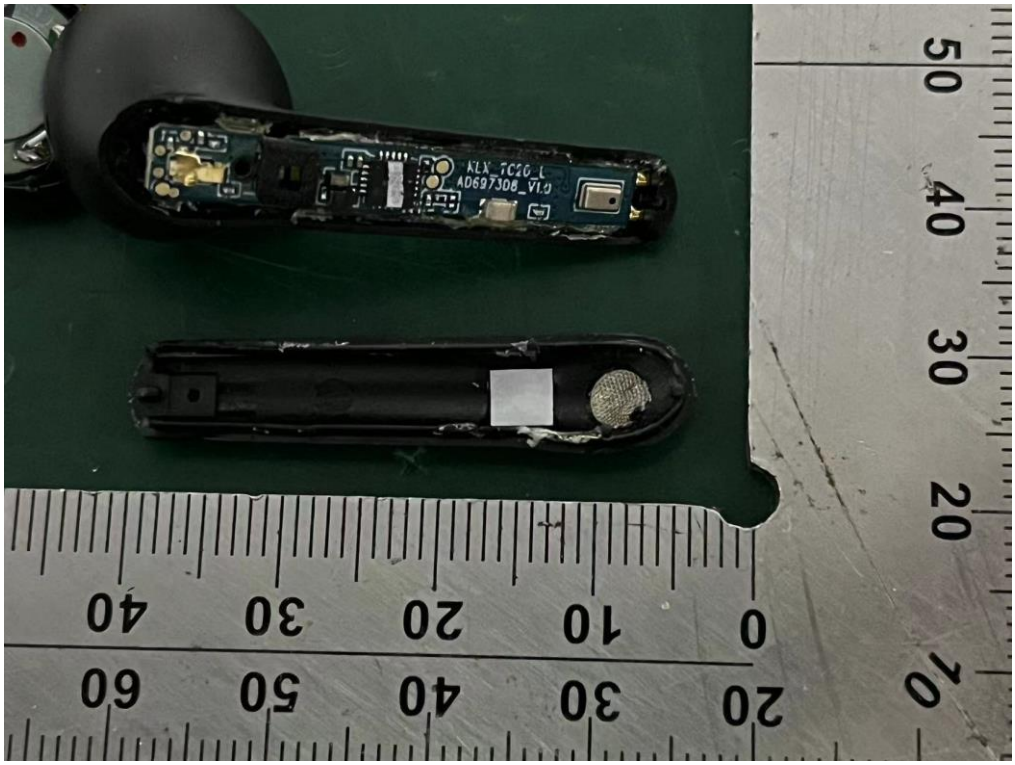
M/N: Defunc TRUE LITE

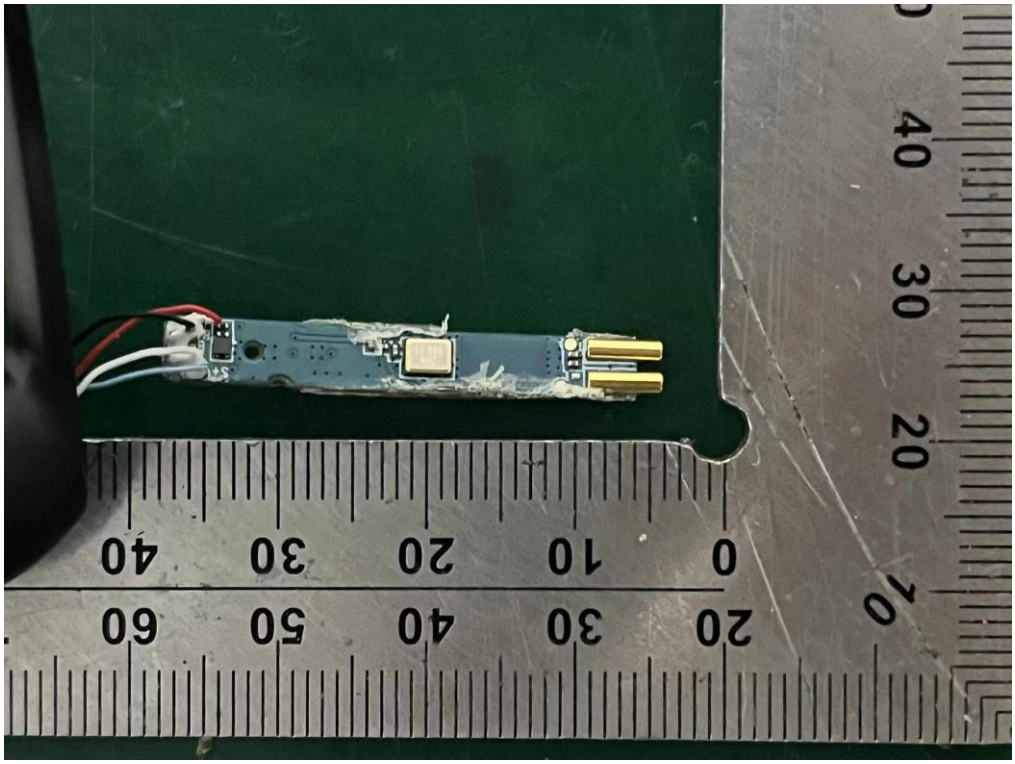




Internal Photos

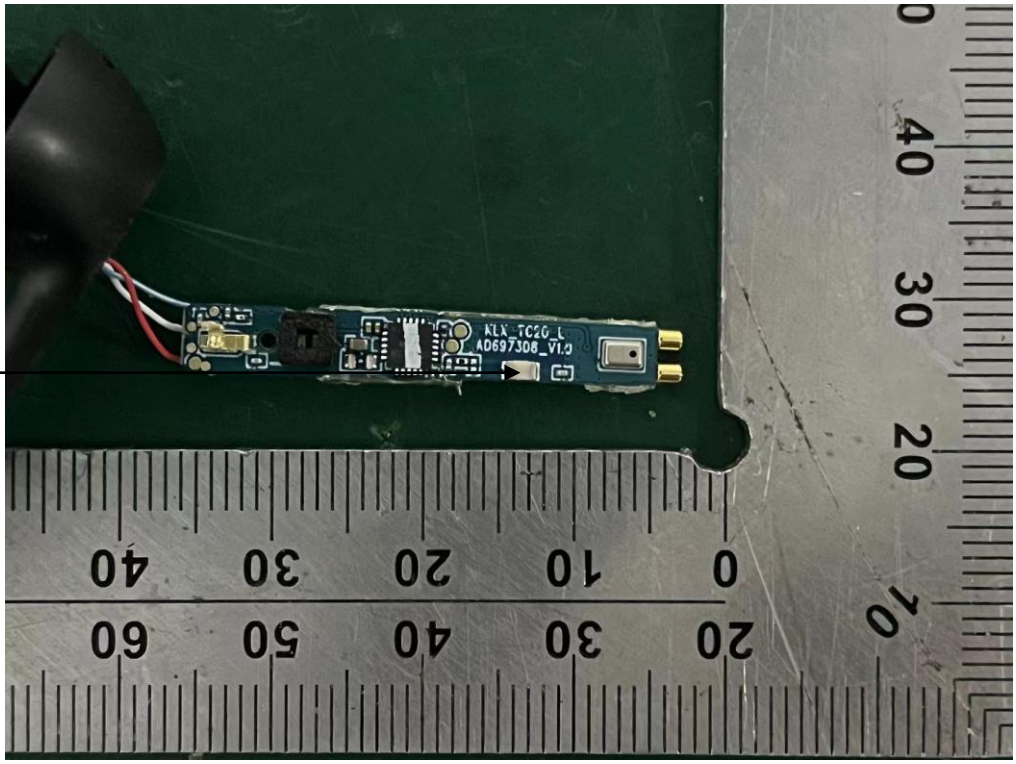
M/N: Defunc TRUE LITE





Internal Photos

M/N: Defunc TRUE LITE



End of Test Report