

Applicant: Shenzhen Chuangyouke Technology Co., Ltd.

Report No. : NCT260181076E

EUT: WIRELESS MICROPHONE

M/N: UL-8006

Standard:FCC Part15 Subpart C, Section 15.247

Test Power Supply: DC 3.7V

Ambient Condition: 25 °C, 45 %RH, 101.325 kPa

Test Date: 2026-04-23

Test Engineer: Shine Wu

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_2M	Ant1	2402	1.168	2401.400	2402.568	0.5	PASS
		2440	1.164	2439.408	2440.572	0.5	PASS
		2480	1.168	2479.404	2480.572	0.5	PASS

Test Graphs

BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_2M	Ant1	2402	2.0582	2400.9765	2403.0347	---	---
		2440	2.0443	2438.9800	2441.0243	---	---
		2480	2.0499	2478.9712	2481.0211	---	---

Test Graphs

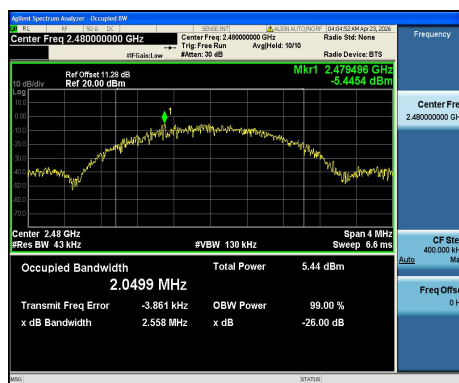
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Channel	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_2M	Ant1	2402	0.91	≤30	PASS
		2440	1.32	≤30	PASS
		2480	1.98	≤30	PASS

Test Graphs Peak

BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_2M	Ant1	2402	-17.69	≤8.00	PASS
		2440	-16.03	≤8.00	PASS
		2480	-15.35	≤8.00	PASS

Test Graphs

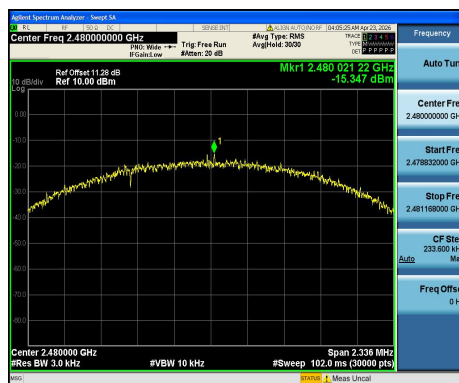
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480

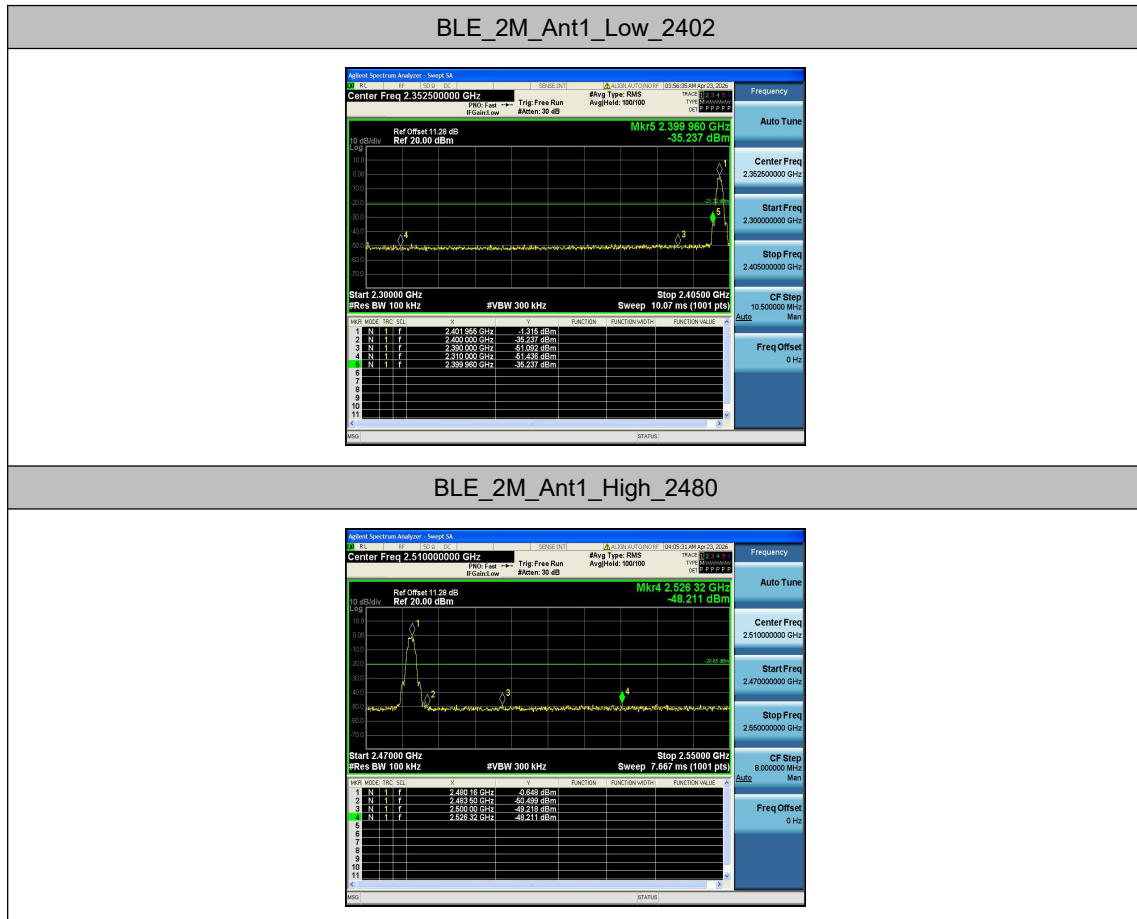


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_2M	Ant1	Low	2402	-1.32	-35.24	≤ -21.32	PASS
		High	2480	-0.65	-48.21	≤ -20.65	PASS

Test Graphs



Appendix F: Conducted Spurious Emission

Test Result

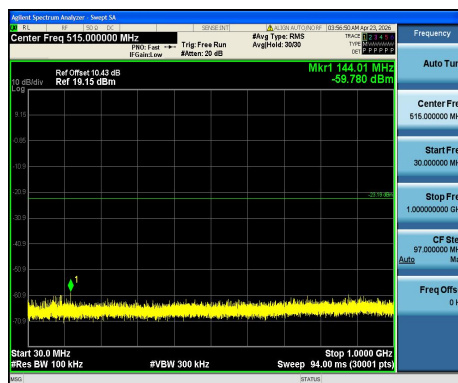
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_2M	Ant1	2402	Reference	-3.19	-3.19	---	PASS
			30~1000	-3.19	-59.78	≤-23.19	PASS
			1000~26500	-3.19	-33.1	≤-23.19	PASS
		2440	Reference	-2.18	-2.18	---	PASS
			30~1000	-2.18	-59.38	≤-22.18	PASS
			1000~26500	-2.18	-34.26	≤-22.18	PASS
		2480	Reference	-1.44	-1.44	---	PASS
			30~1000	-1.44	-59.09	≤-21.44	PASS
			1000~26500	-1.44	-34.3	≤-21.44	PASS

Test Graphs

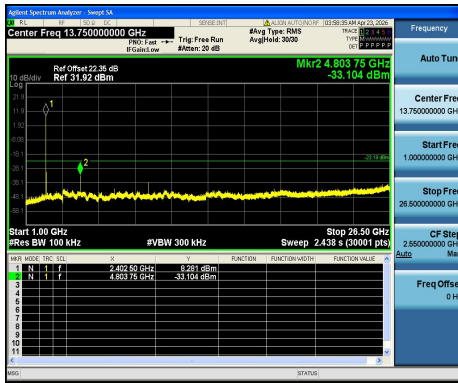
BLE_2M_Ant1_2402_0~Reference



BLE_2M_Ant1_2402_30~1000



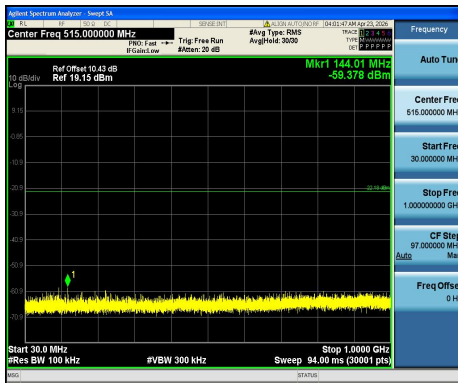
BLE_2M_Ant1_2402_1000~26500



BLE_2M_Ant1_2440_0~Reference



BLE_2M_Ant1_2440_30~1000



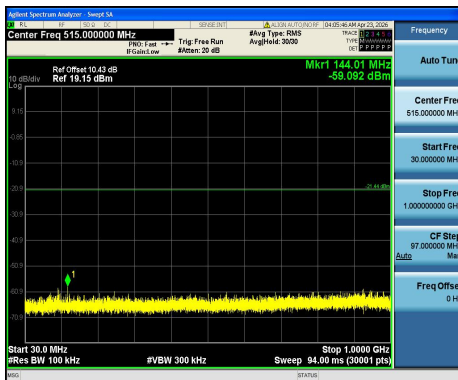
BLE_2M_Ant1_2440_1000~26500



BLE_2M_Ant1_2480_0~Reference



BLE_2M_Ant1_2480_30~1000



BLE_2M_Ant1_2480_1000~26500



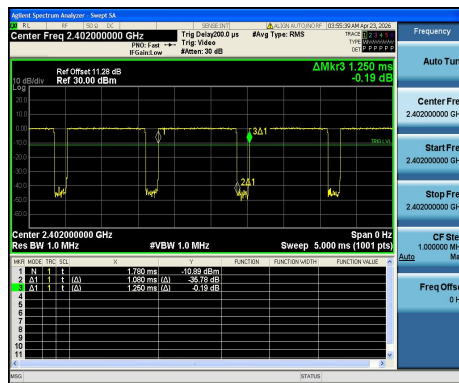
Appendix G: Duty Cycle

Test Result

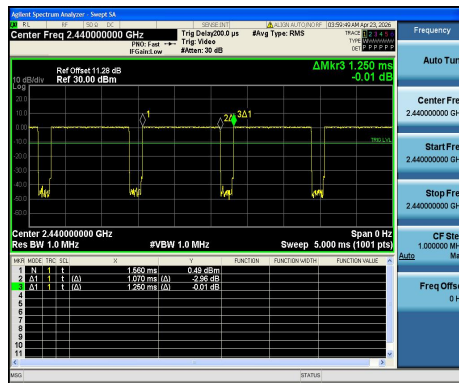
TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_2M	Ant1	2402	1.08	1.25	0.8640	86.40	0.63	---	---
		2440	1.07	1.25	0.8560	85.60	0.68	---	---
		2480	1.07	1.25	0.8560	85.60	0.68	---	---

Test Graphs

BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480

