

FCC Part 15C Test Report

FCC ID:2BTRW-AK39

Applicant: Huizhou Aika Technology Co., Ltd

Address: 7th Floor, Taifu Office Building, Dayawan West District, Huiyang District, Huizhou, China

Manufacturer: Huizhou Aika Technology Co., Ltd

Address: 7th Floor, Taifu Office Building, Dayawan West District, Huiyang District, Huizhou, China

EUT: Bluetooth Anti-Loss Tracker

Trade Mark: N/A

Model Number: AK39, AK39A, AK39B, AK39C, AK39D, AK39E

Date of Receipt: Dec. 08, 2025

Test Date: Dec. 08, 2025- Dec. 20, 2025

Date of Report: Dec. 20, 2025

Prepared By: Shenzhen DL Testing Technology Co., Ltd.

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Applicable Standards: FCC PART 15 C 15.247
ANSI C63.10:2020

Test Result: Pass

Report Number: DLE-251215007R

Prepared (Test Engineer): Pxing Huang

Reviewer (Supervisor): Jack Bu

Approved (Manager): Jade Yang



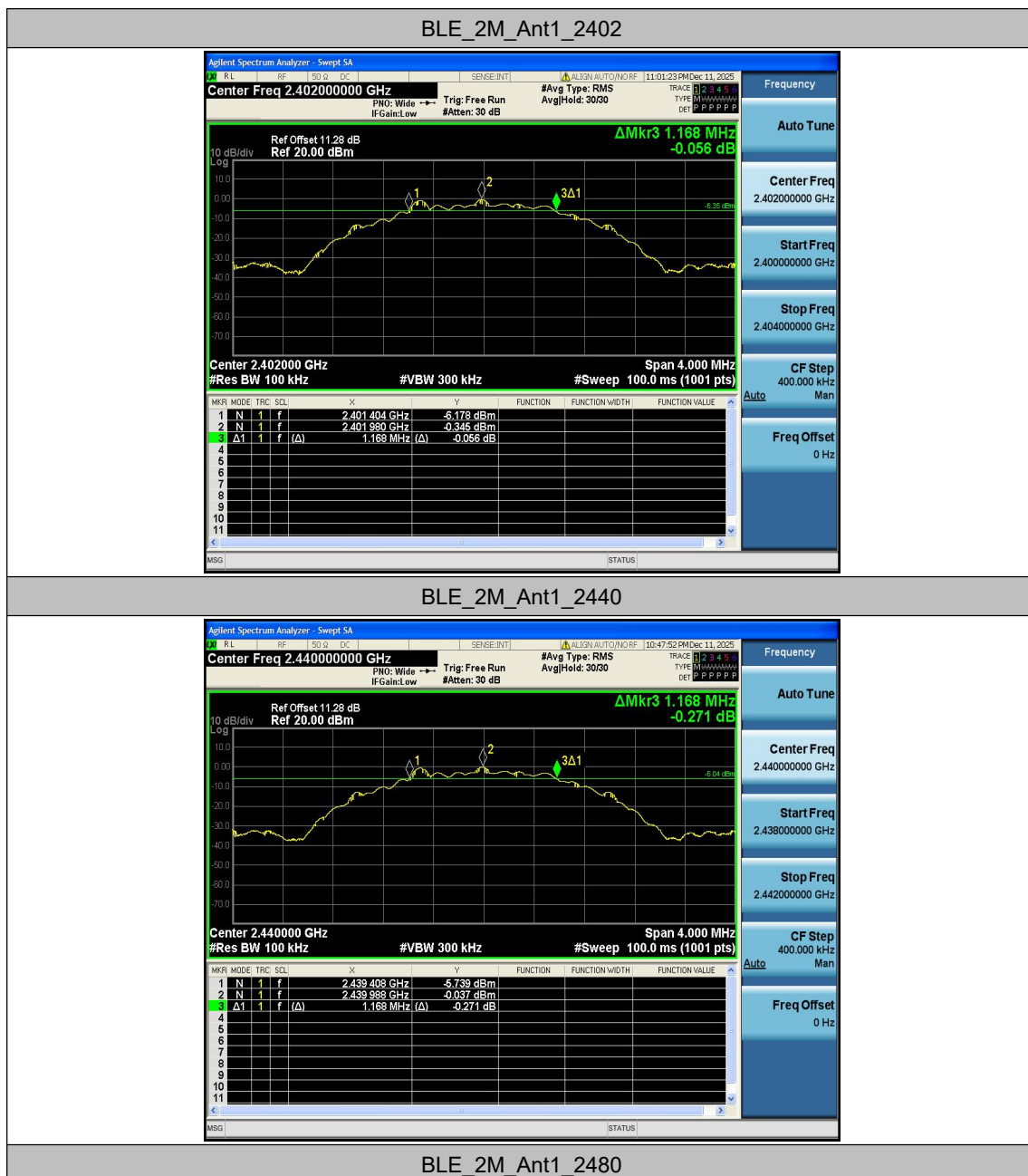
This test report is based on a single evaluation of one sample of above mentioned products. It is not permitted to be duplicated in extracts without written approval of Shenzhen DL Testing Technology Co., Ltd.

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	2401.404	2402.572	0.5	PASS
		2440	1.168	2439.408	2440.576	0.5	PASS
		2480	1.164	2479.408	2480.572	0.5	PASS

Test Graphs



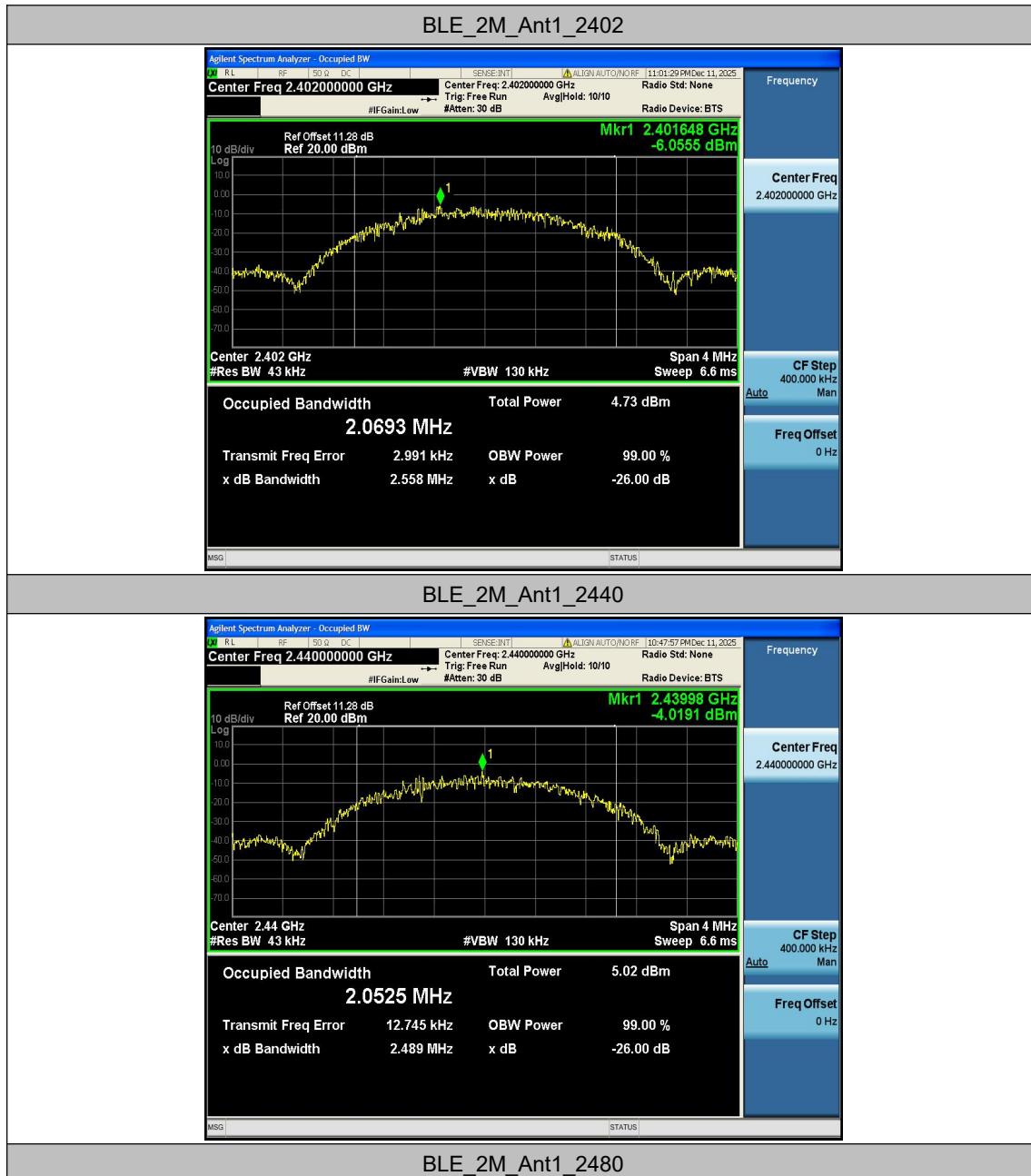


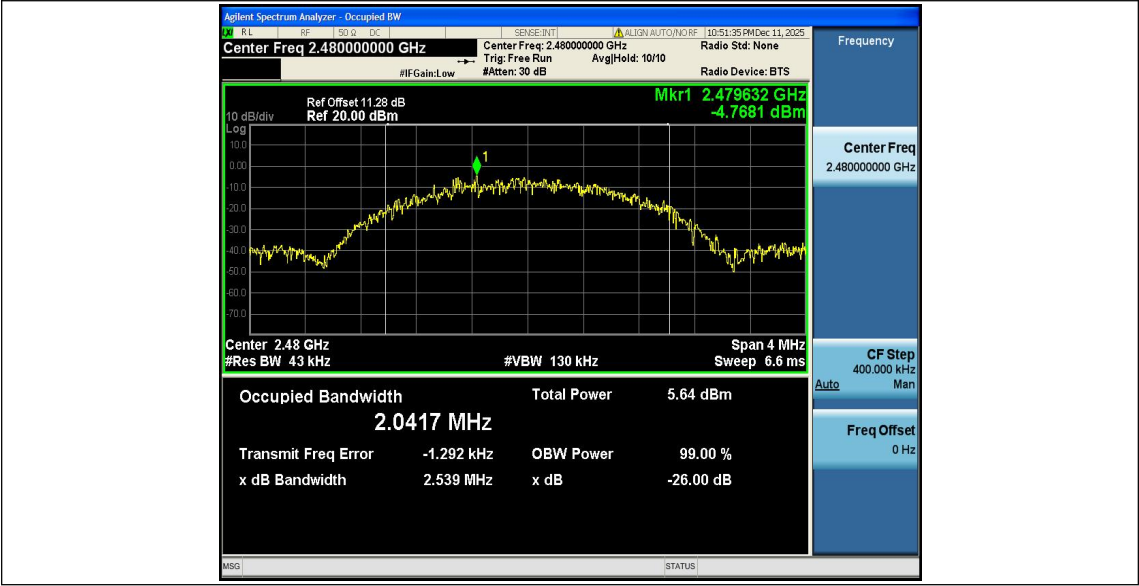
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_2M	Ant1	2402	2.0693	2400.9683	2403.0376	---	---
		2440	2.0525	2438.9865	2441.0390	---	---
		2480	2.0417	2478.9779	2481.0196	---	---

Test Graphs



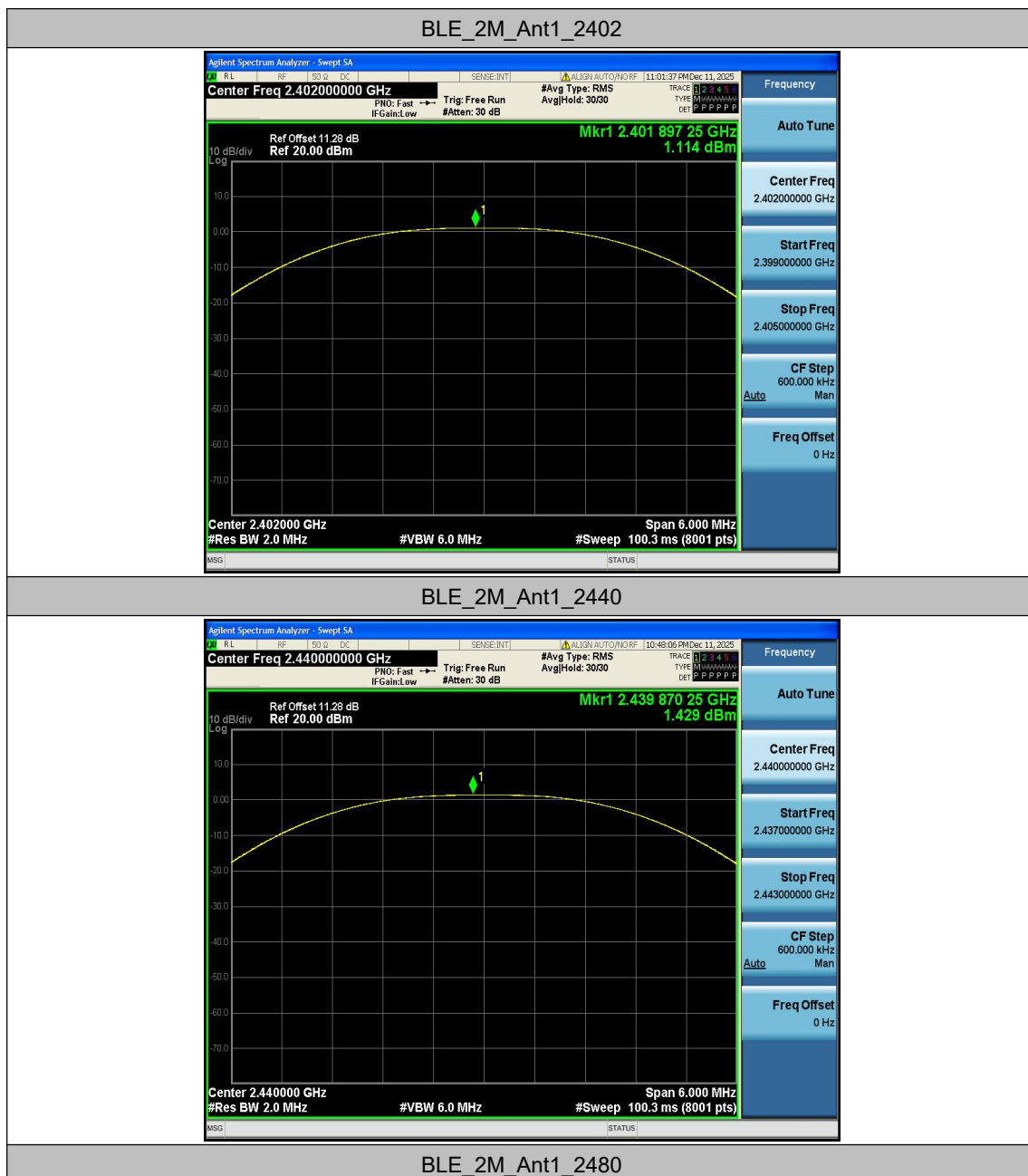


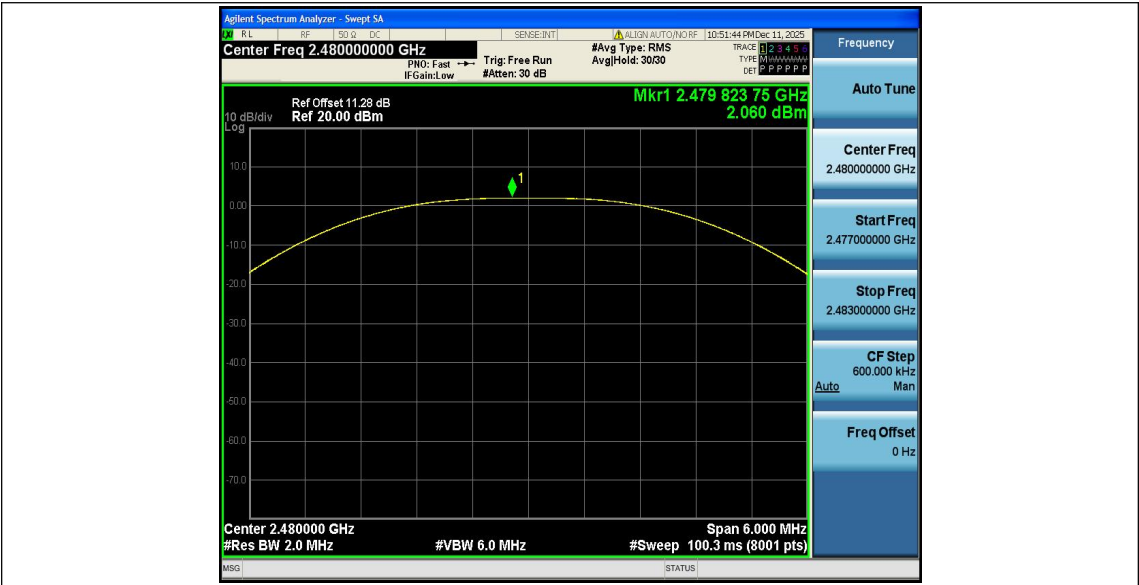
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Channel	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_2M	Ant1	2402	1.11	≤30	PASS
		2440	1.43	≤30	PASS
		2480	2.06	≤30	PASS

Test Graphs Peak



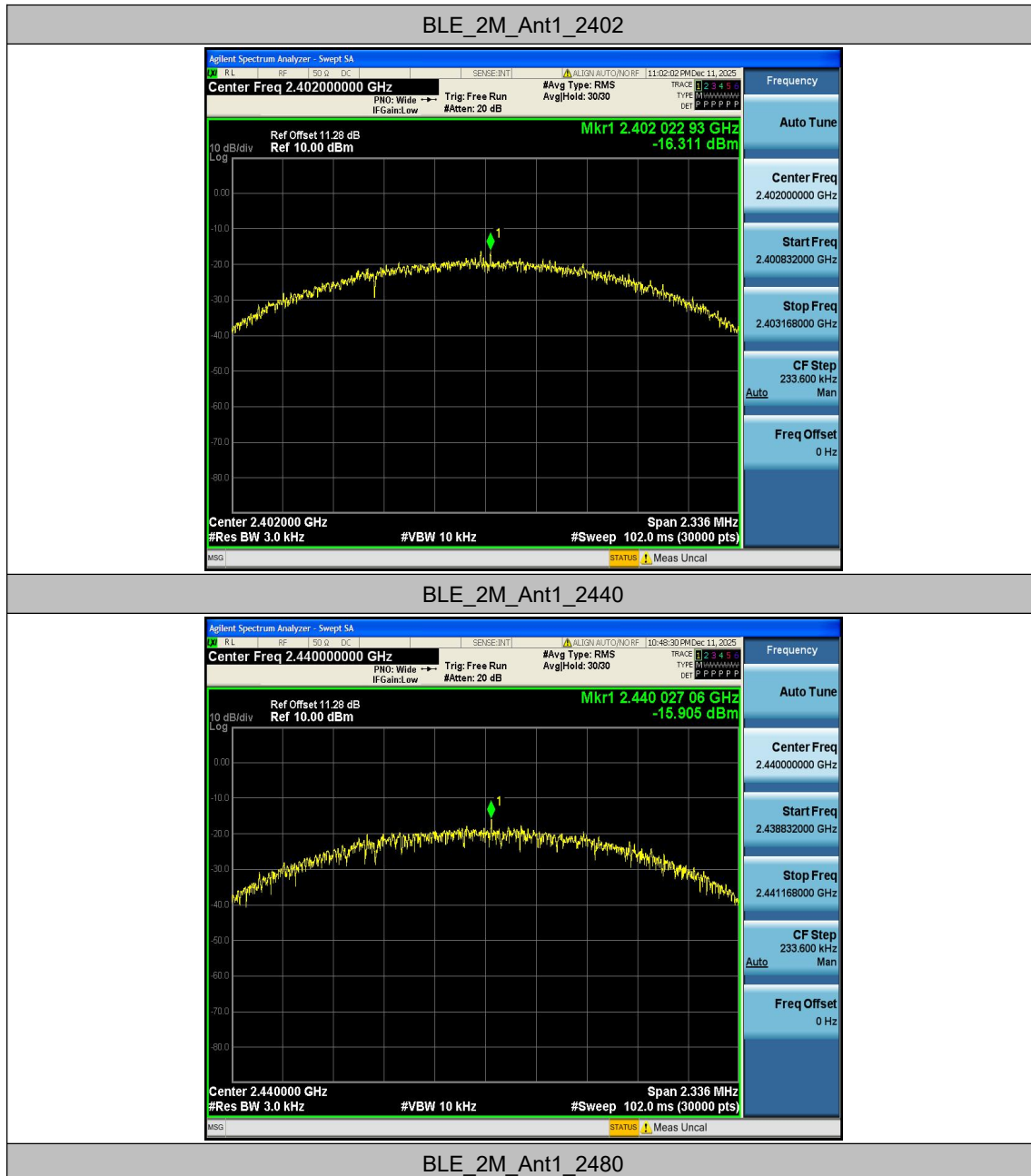


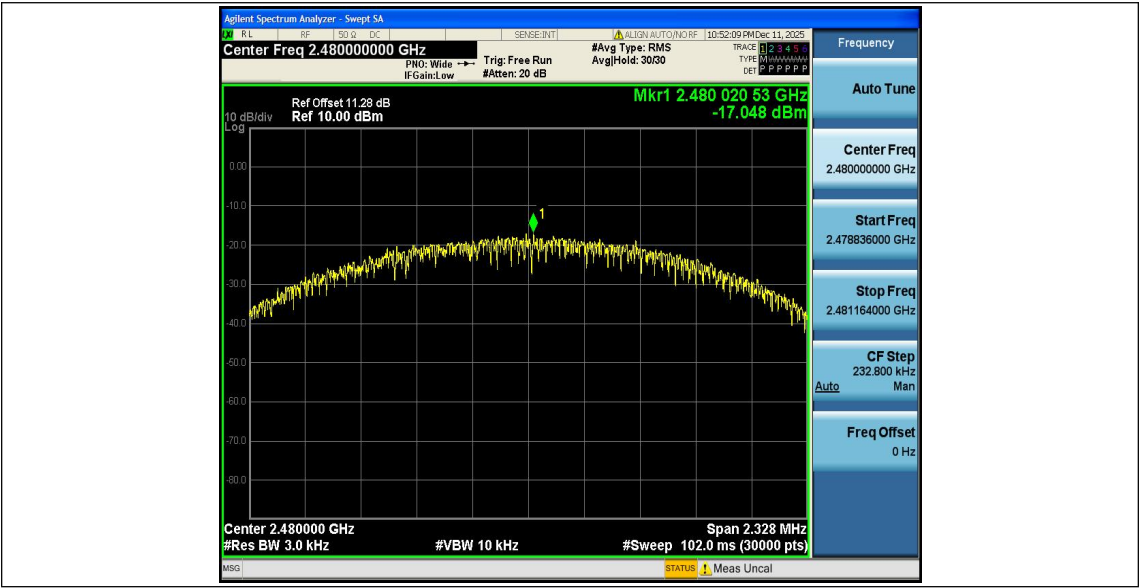
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_2M	Ant1	2402	-16.31	≤8.00	PASS
		2440	-15.91	≤8.00	PASS
		2480	-17.05	≤8.00	PASS

Test Graphs



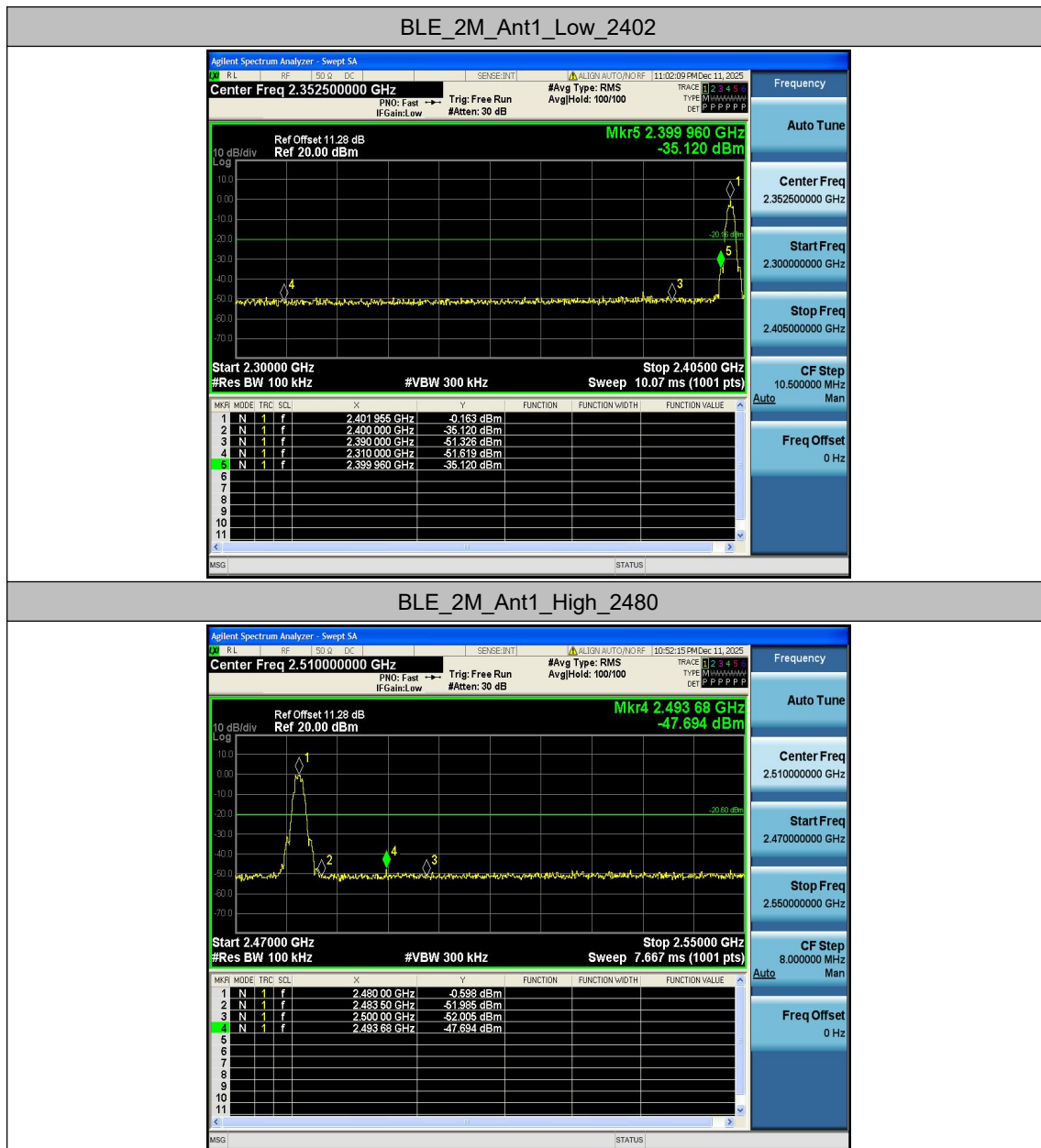


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_2M	Ant1	Low	2402	-0.16	-35.12	≤-20.16	PASS
		High	2480	-0.60	-47.69	≤-20.6	PASS

Test Graphs

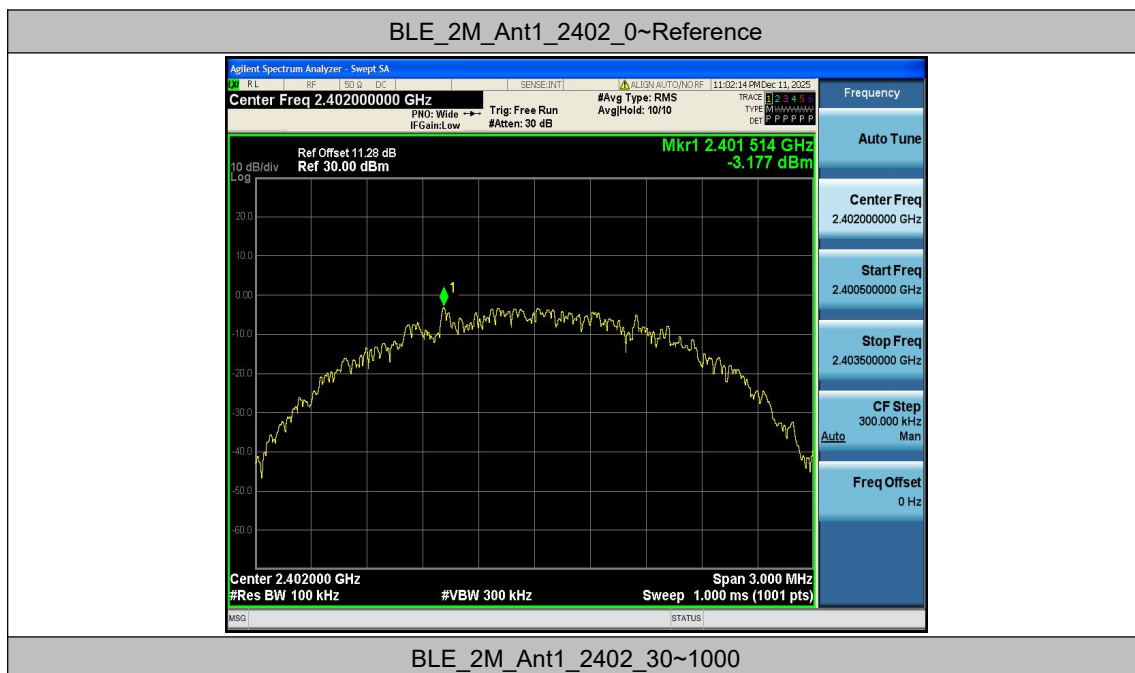


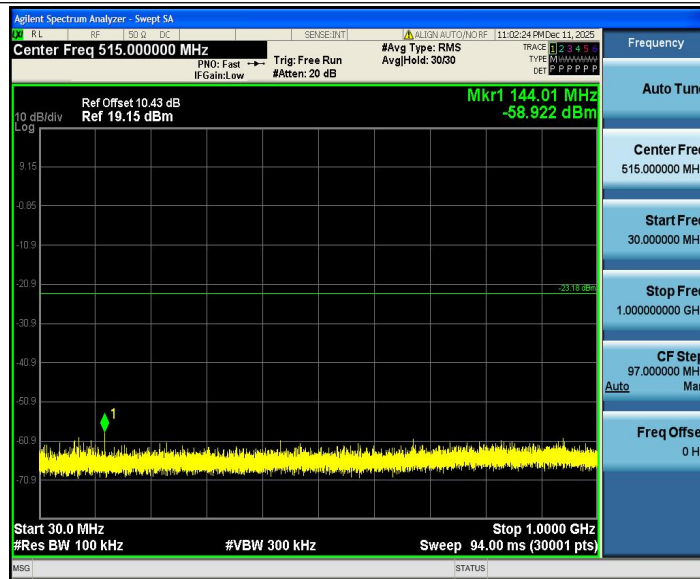
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_2M	Ant1	2402	Reference	-3.18	-3.18	---	PASS
			30~1000	-3.18	-58.92	≤-23.18	PASS
			1000~26500	-3.18	-32.1	≤-23.18	PASS
		2440	Reference	-2.52	-2.52	---	PASS
			30~1000	-2.52	-59.68	≤-22.52	PASS
			1000~26500	-2.52	-32.16	≤-22.52	PASS
		2480	Reference	-1.45	-1.45	---	PASS
			30~1000	-1.45	-59.2	≤-21.45	PASS
			1000~26500	-1.45	-33.84	≤-21.45	PASS

Test Graphs





BLE_2M_Ant1_2402_1000~26500



BLE_2M_Ant1_2440_0~Reference



BLE_2M_Ant1_2440_30~1000



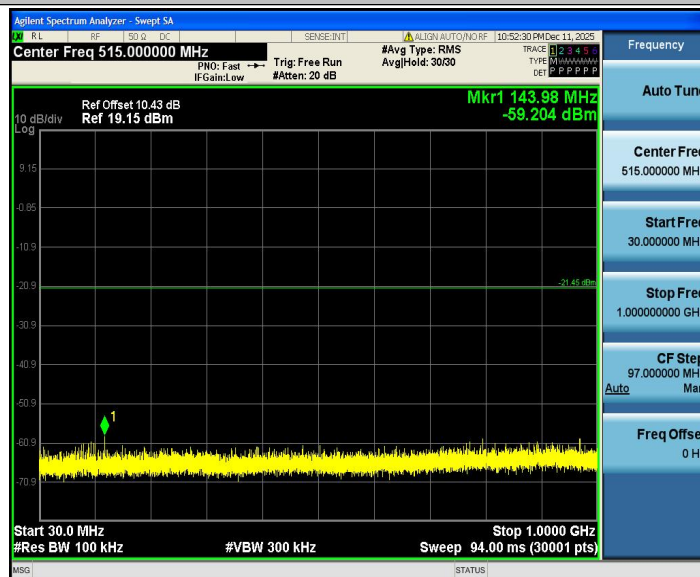
BLE_2M_Ant1_2440_1000~26500



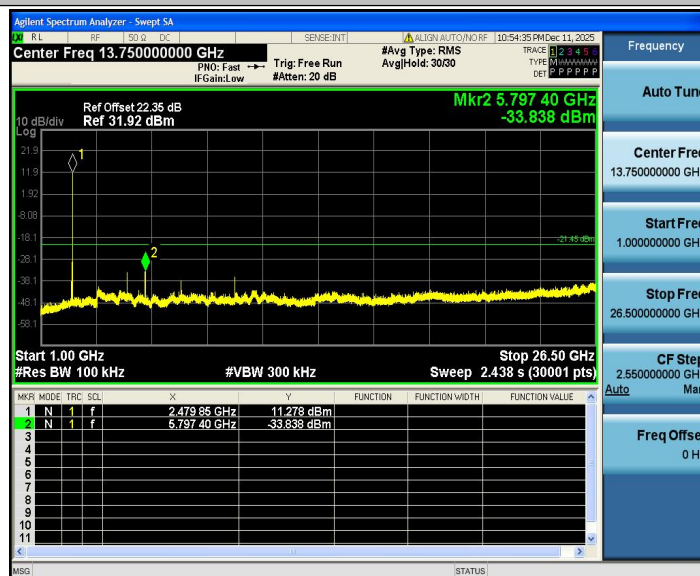
BLE_2M_Ant1_2480_0~Reference



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]	Duty cycle (%)	Duty factor (dB)
BLE_2M	Ant1	2402	1.08	1.25	86.40	0.63
		2440	1.08	1.25	86.40	0.63
		2480	1.08	1.25	86.40	0.63

Test Graphs

