

FCC Appendix RF Test Data of Module 2

FCC ID : 2BO56-ZA001

Company: : Shenzhen Xingbiao Hang Technology Co., Ltd.

EUT : Dual WiFi three-in-one closed small system

Model Number : ZA001

Report No. : CTA25041800501

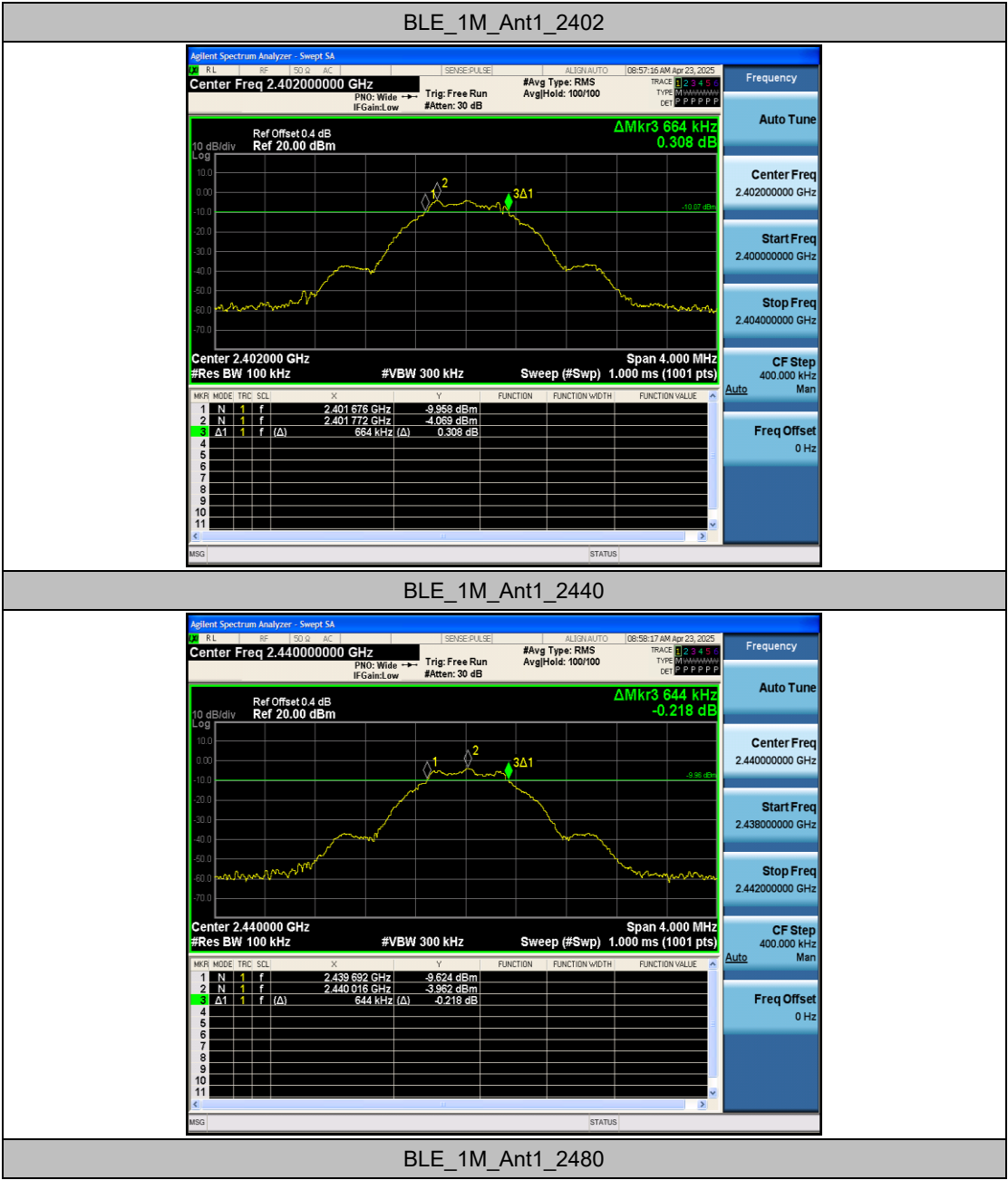
Reviewed By : Eric Wang

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.664	2401.676	2402.340	0.5	PASS
		2440	0.644	2439.692	2440.336	0.5	PASS
		2480	0.640	2479.696	2480.336	0.5	PASS

Test Graphs



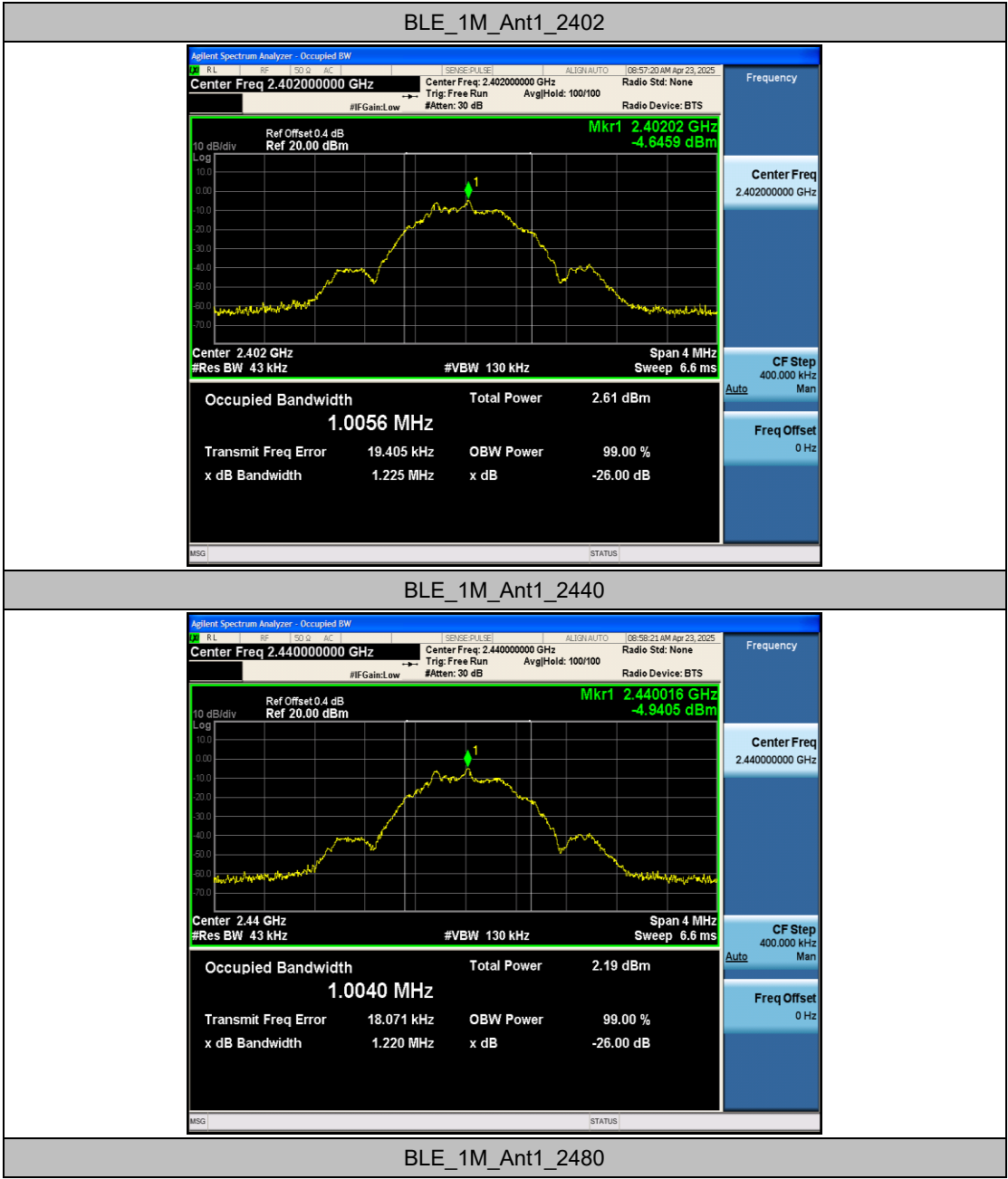


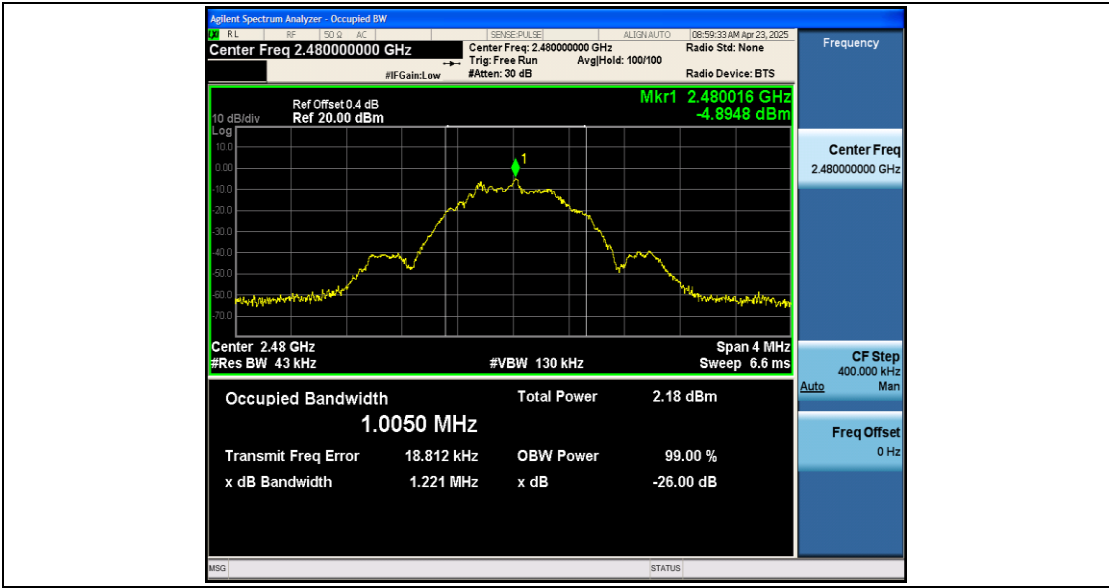
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0056	2401.5166	2402.5222	---	---
		2440	1.0040	2439.5161	2440.5201	---	---
		2480	1.0050	2479.5163	2480.5213	---	---

Test Graphs





Appendix C: Maximum conducted output power

Test Result Peak

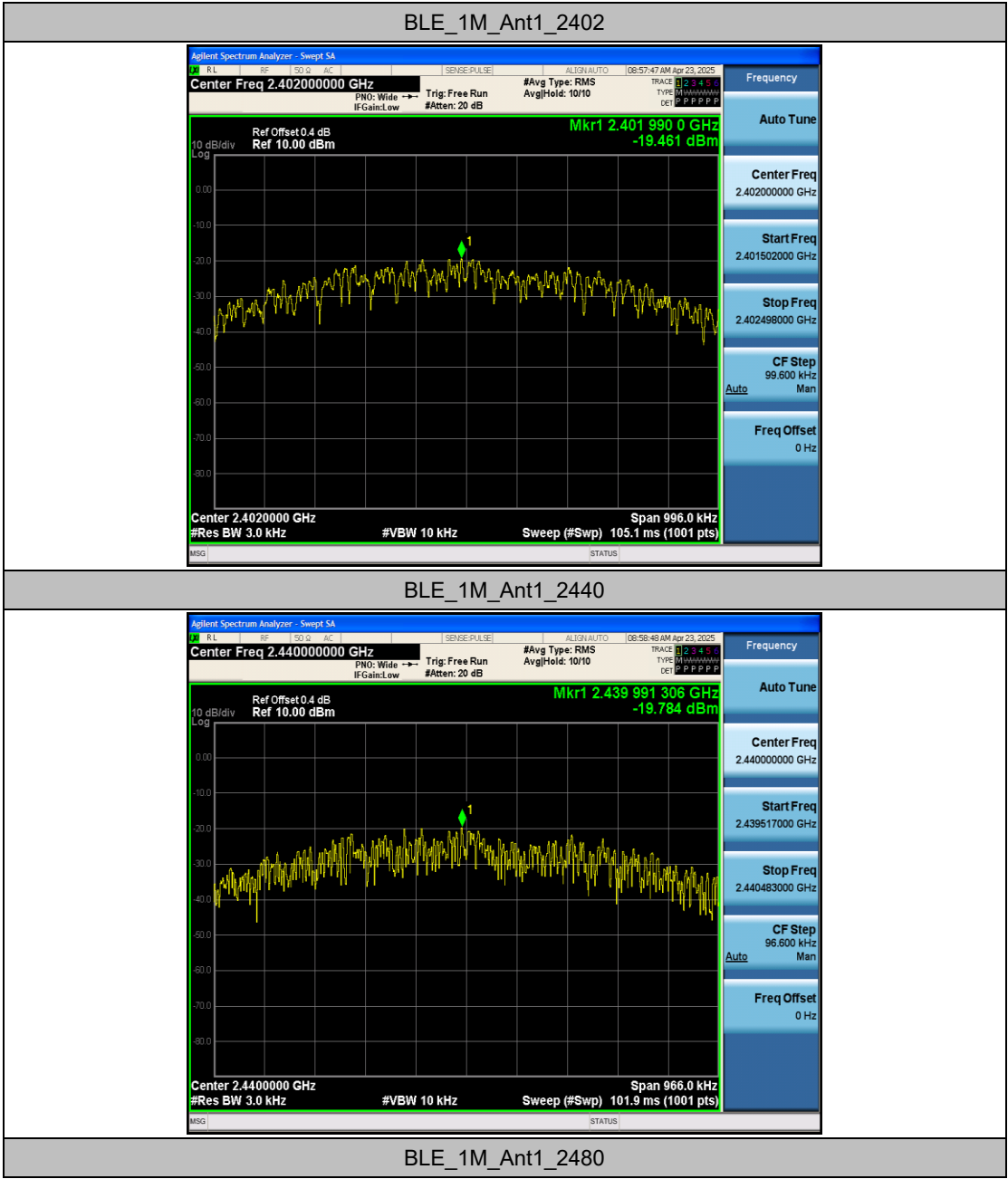
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-3.49	≤30	PASS
		2440	-3.84	≤30	PASS
		2480	-3.85	≤30	PASS

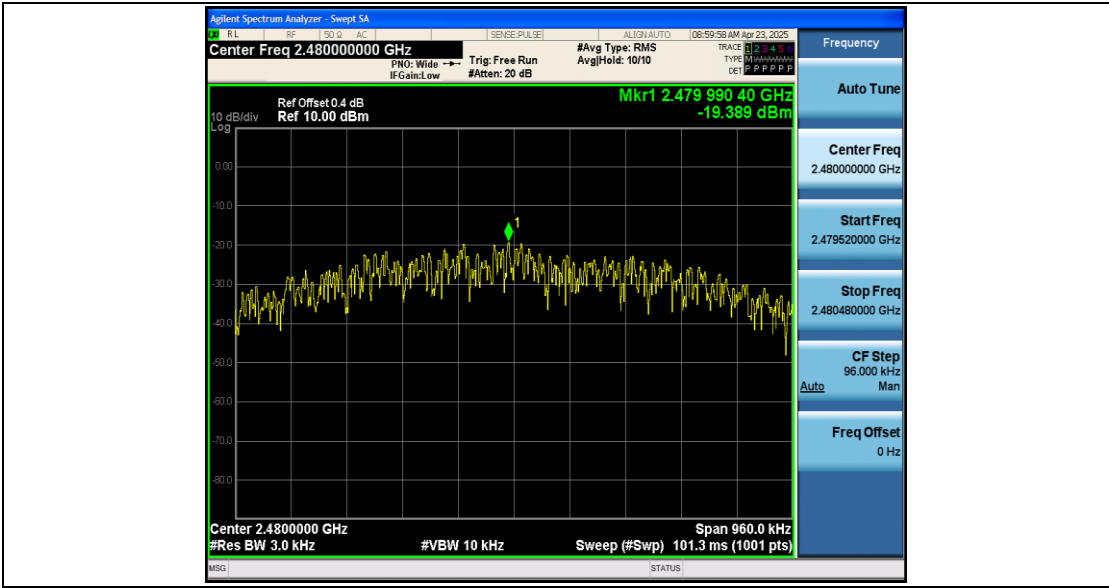
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-19.46	≤8.00	PASS
		2440	-19.78	≤8.00	PASS
		2480	-19.39	≤8.00	PASS

Test Graphs



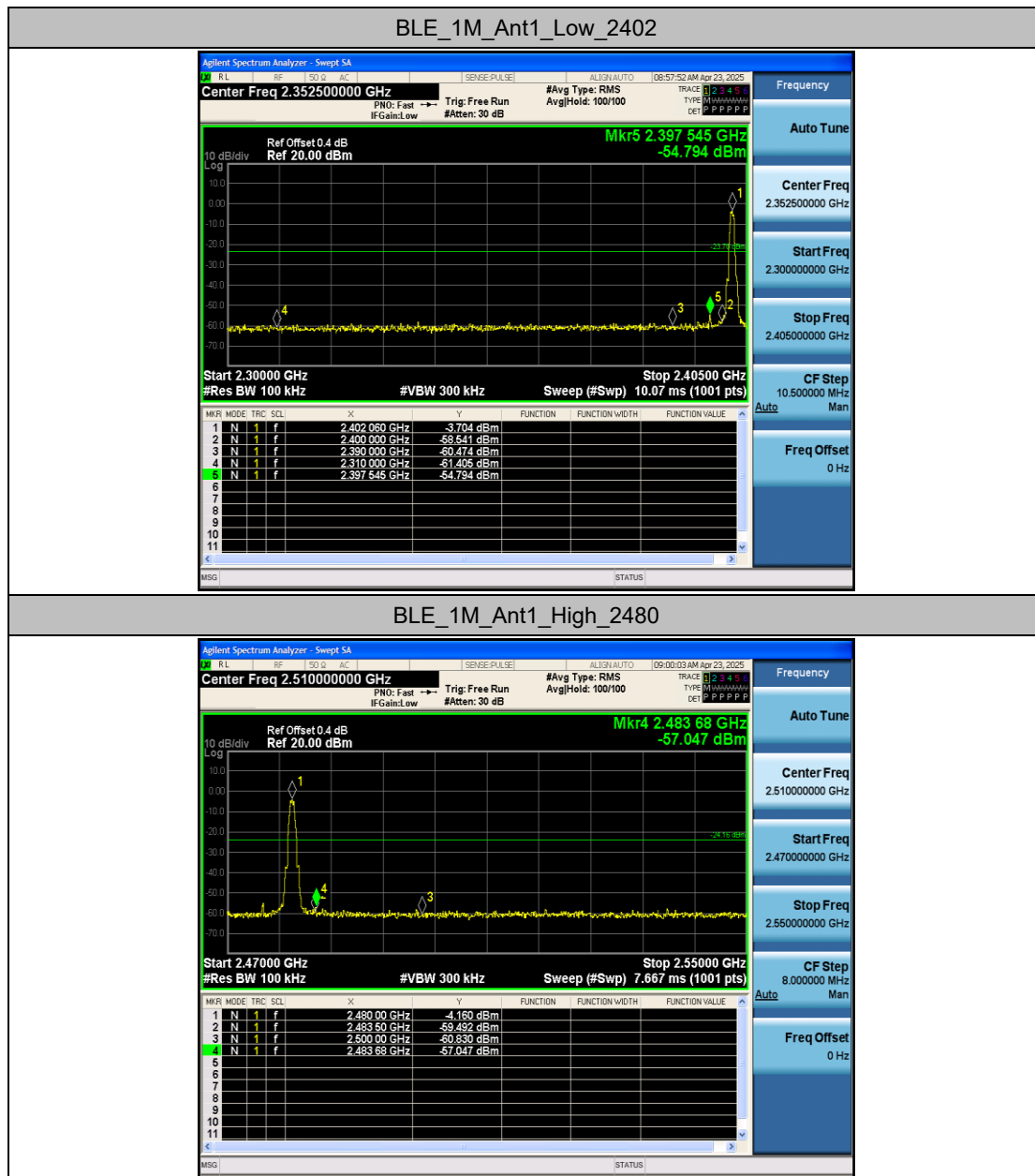


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-3.70	-54.79	≤-23.7	PASS
		High	2480	-4.16	-57.05	≤-24.16	PASS

Test Graphs

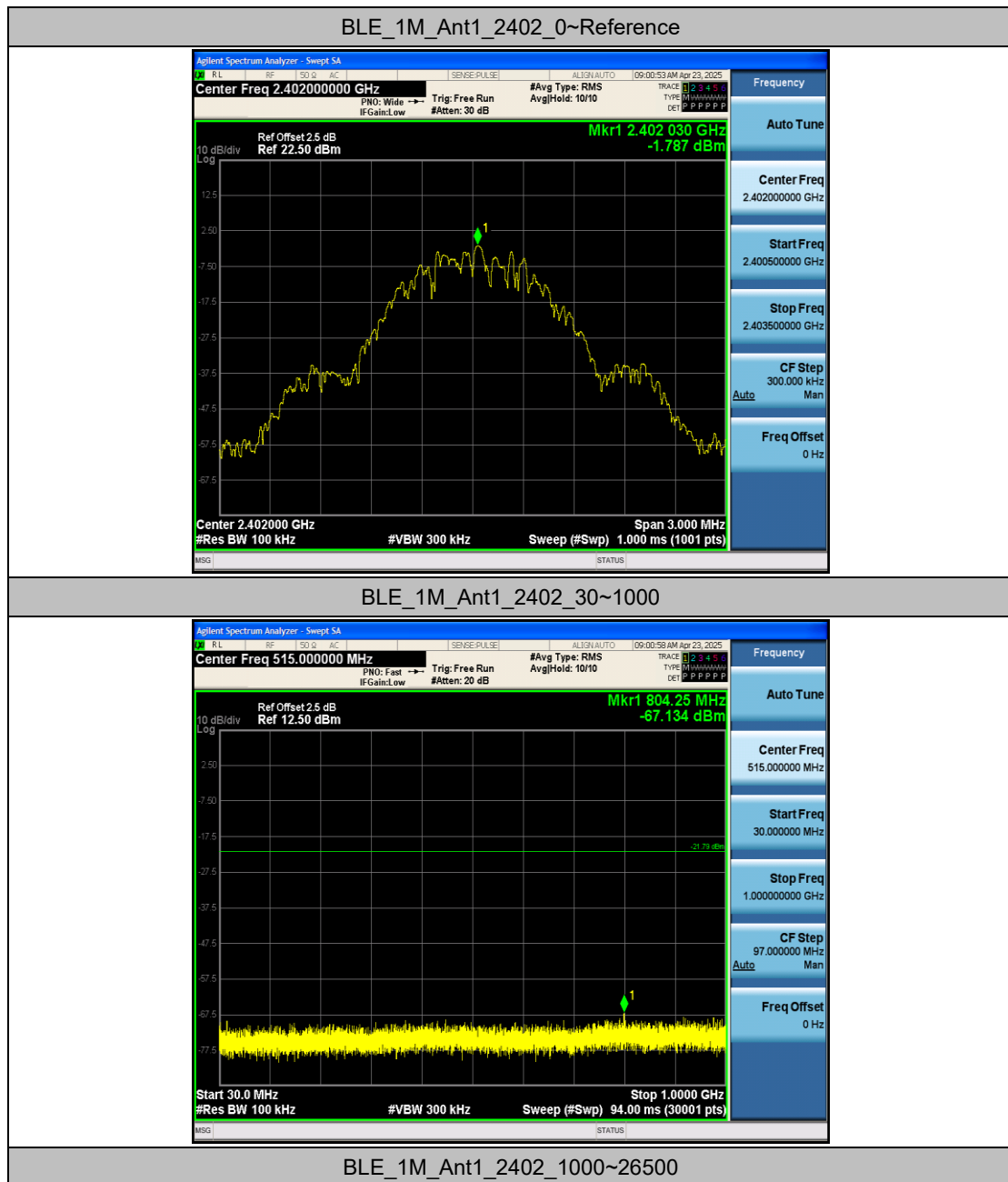


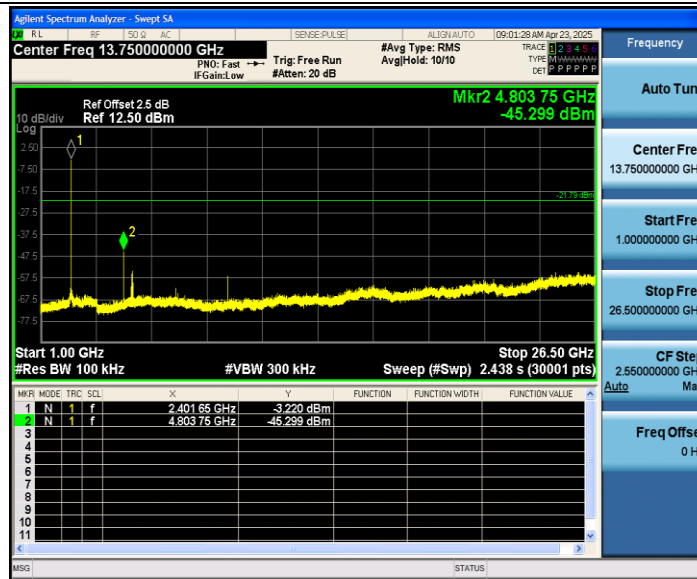
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-1.79	-1.79	---	PASS
			30~1000	-1.79	-67.13	≤-21.79	PASS
			1000~26500	-1.79	-45.3	≤-21.79	PASS
		2440	Reference	-2.40	-2.40	---	PASS
			30~1000	-2.40	-68.11	≤-22.4	PASS
			1000~26500	-2.40	-48.42	≤-22.4	PASS
		2480	Reference	-2.37	-2.37	---	PASS
			30~1000	-2.37	-68.44	≤-22.37	PASS
			1000~26500	-2.37	-48.71	≤-22.37	PASS

Test Graphs

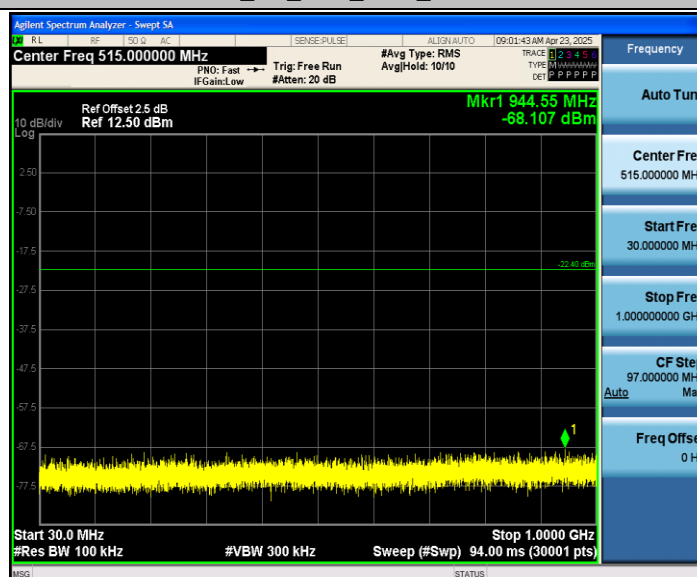




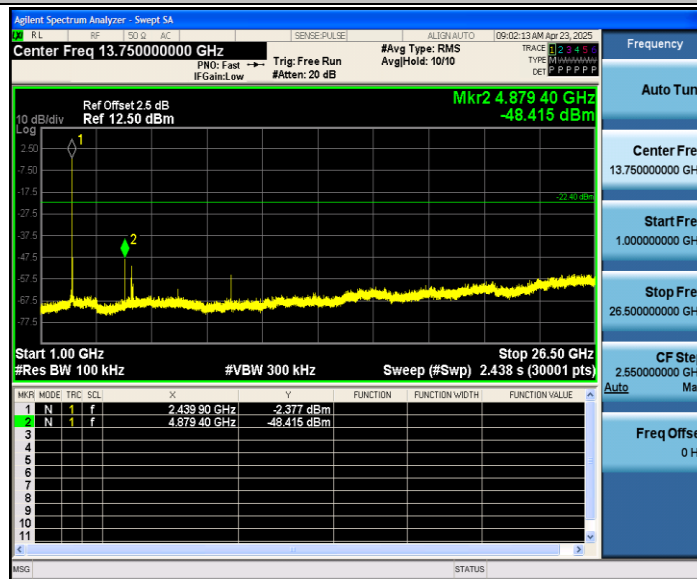
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



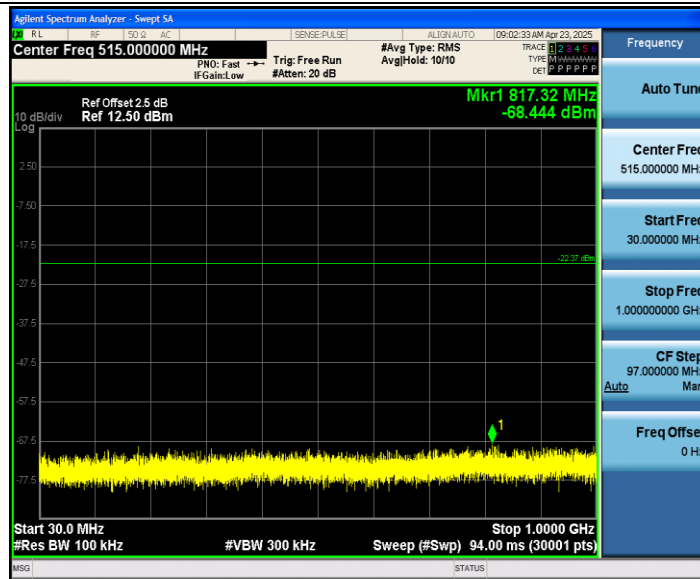
BLE_1M_Ant1_2440_1000~26500



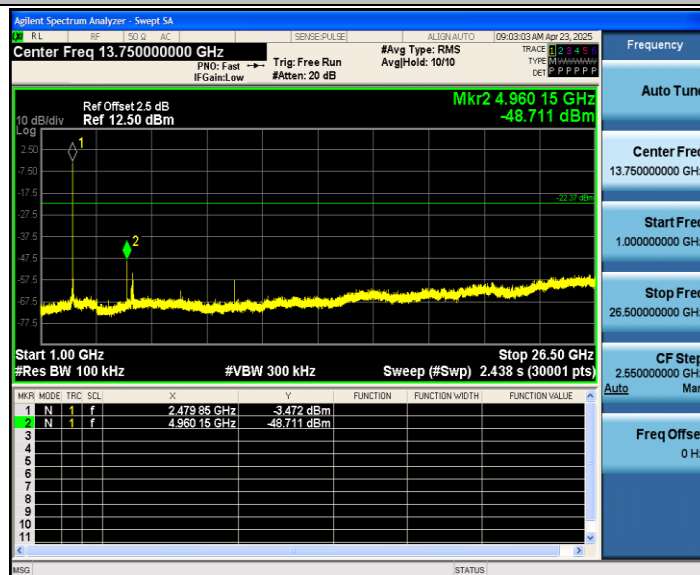
BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500



Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.41	0.63	0.6508	65.08	1.87	---	---
		2440	0.41	0.63	0.6508	65.08	1.87	---	---
		2480	0.41	0.63	0.6508	65.08	1.87	---	---

Test Graphs

