

FCC Appendix RF Test Data

FCC ID : 2A4G4-XM-BT-41M

Company : Shenzhen Xeme Communication Co., Ltd.

EUT : XEME Bluetooth Remote Control

Model Number : XM-BT-41M

Report No. : CTA25072100801

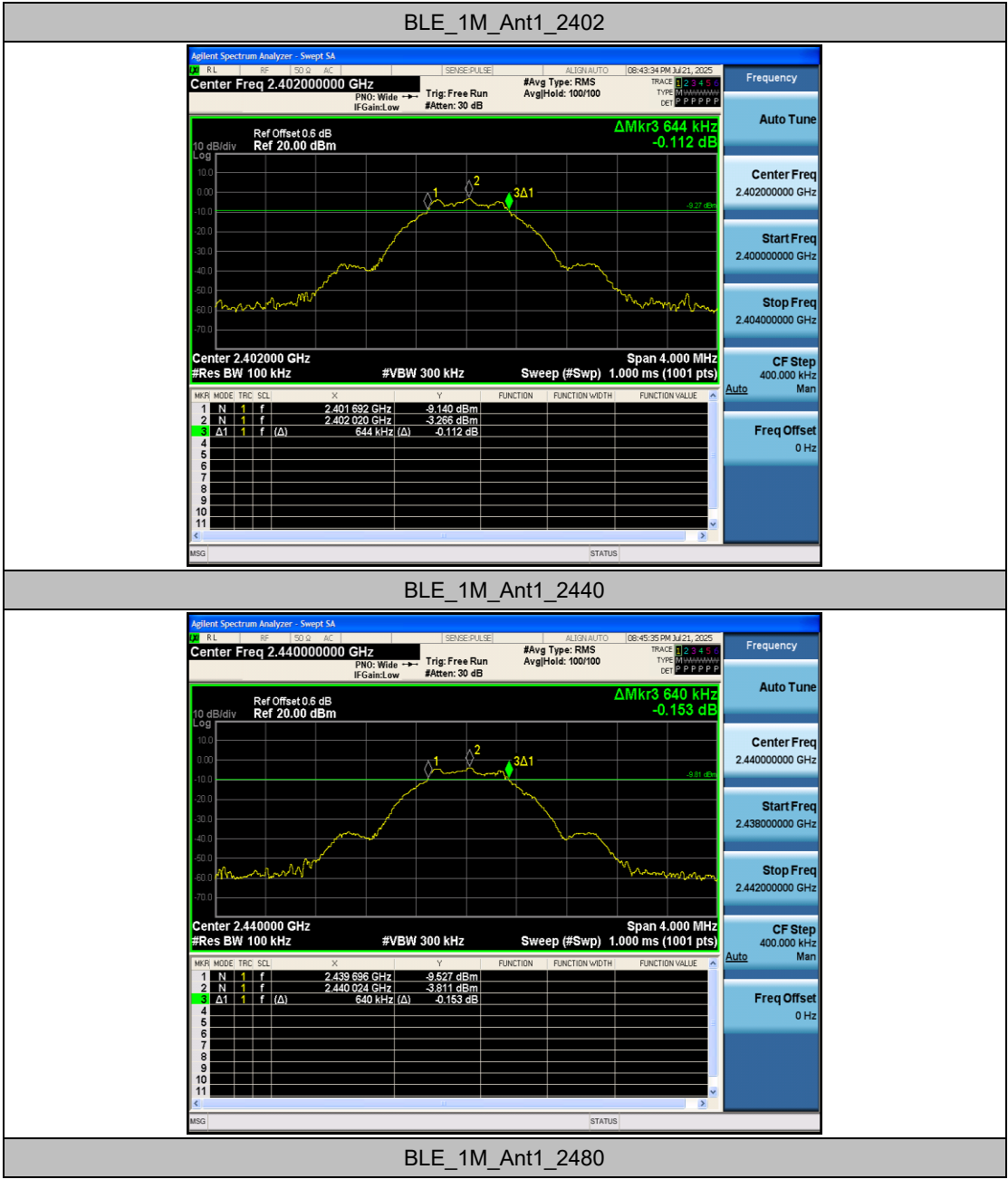
Reviewed By : Eric Wang

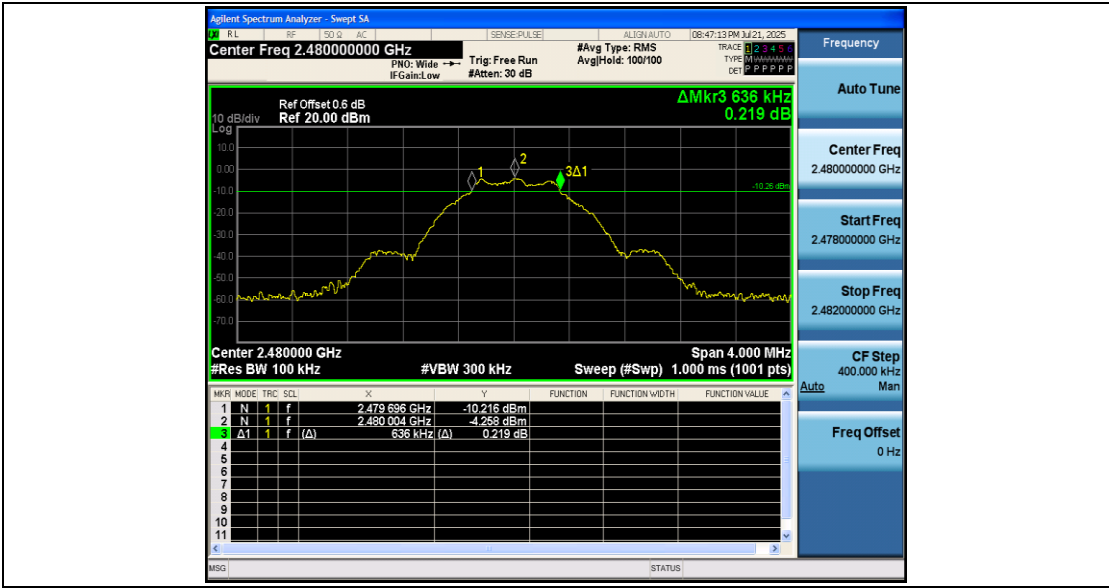
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.644	2401.692	2402.336	0.5	PASS
		2440	0.640	2439.696	2440.336	0.5	PASS
		2480	0.636	2479.696	2480.332	0.5	PASS

Test Graphs





Appendix B: Occupied Channel Bandwidth

Test Result

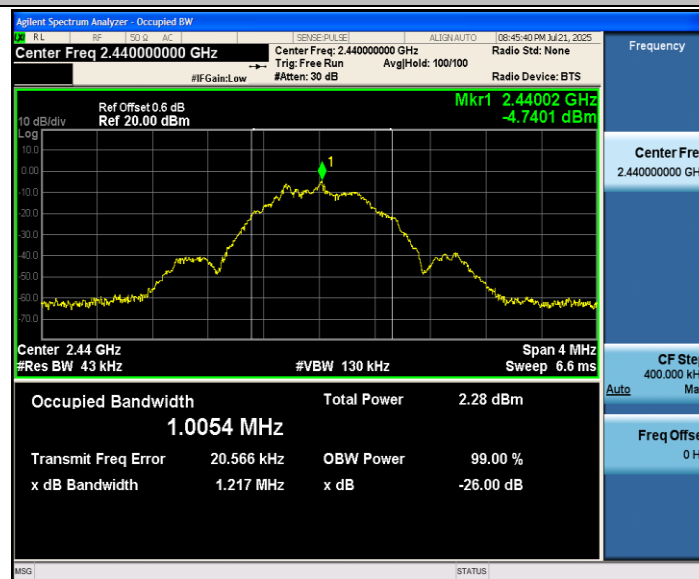
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0059	2401.5176	2402.5235	---	---
		2440	1.0054	2439.5179	2440.5233	---	---
		2480	1.0037	2479.5176	2480.5213	---	---

Test Graphs

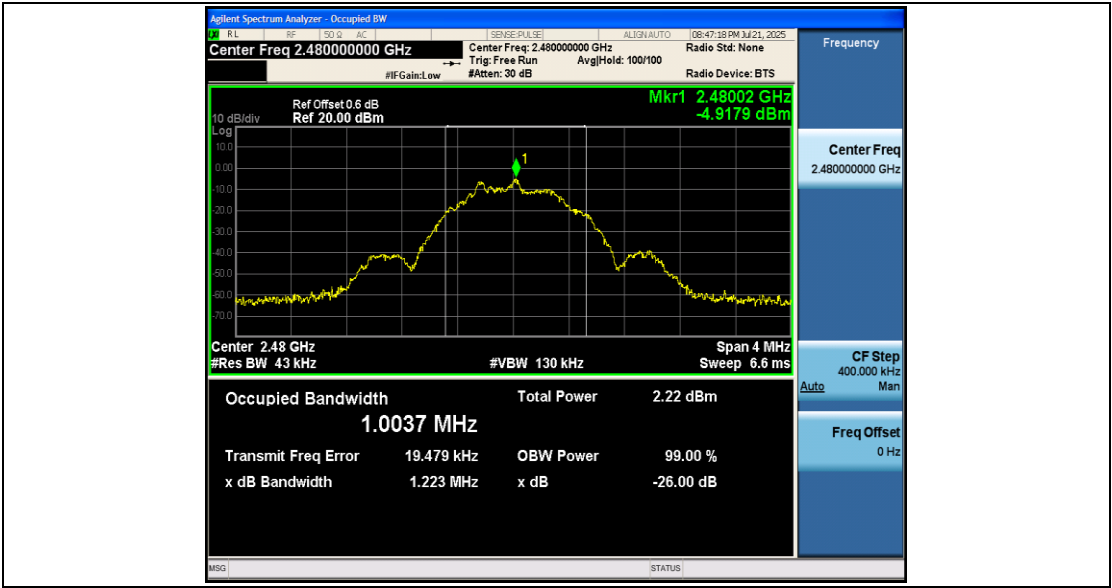
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



Appendix C: Maximum conducted output power

Test Result Peak

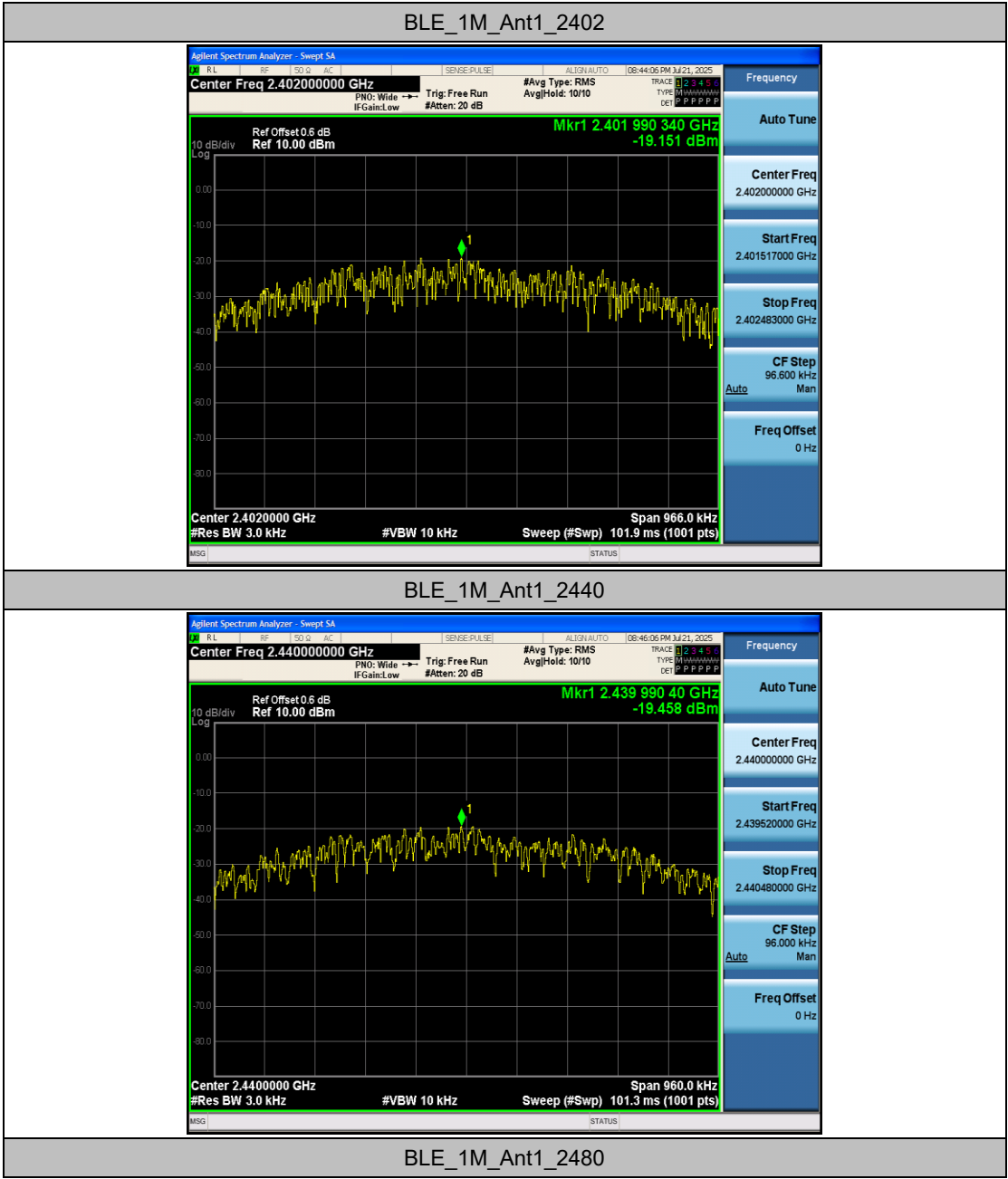
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-3.18	≤30	PASS
		2440	-3.68	≤30	PASS
		2480	-3.86	≤30	PASS

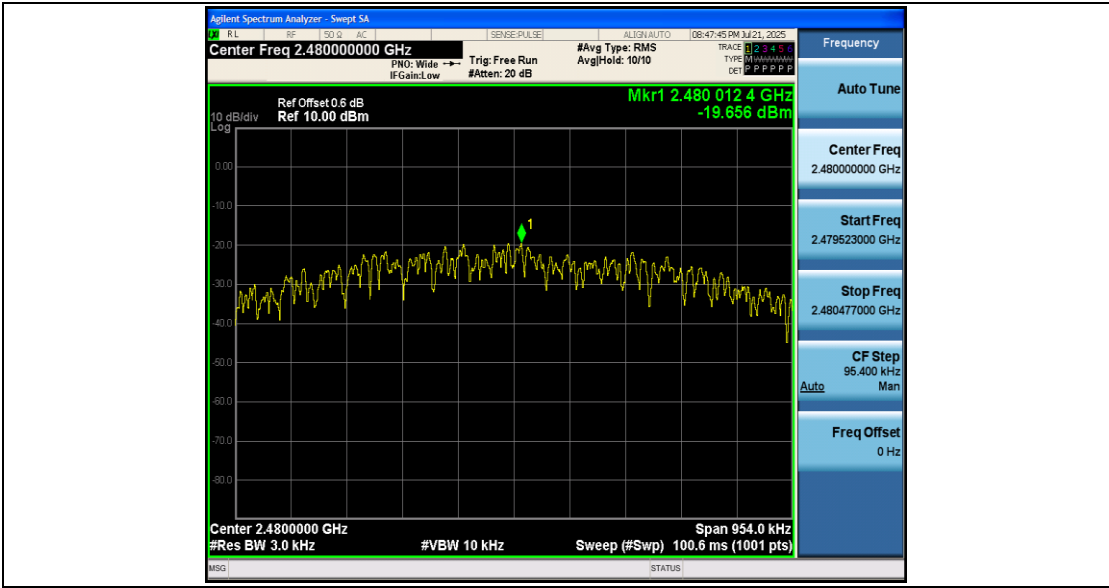
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-19.15	≤8.00	PASS
		2440	-19.46	≤8.00	PASS
		2480	-19.66	≤8.00	PASS

Test Graphs



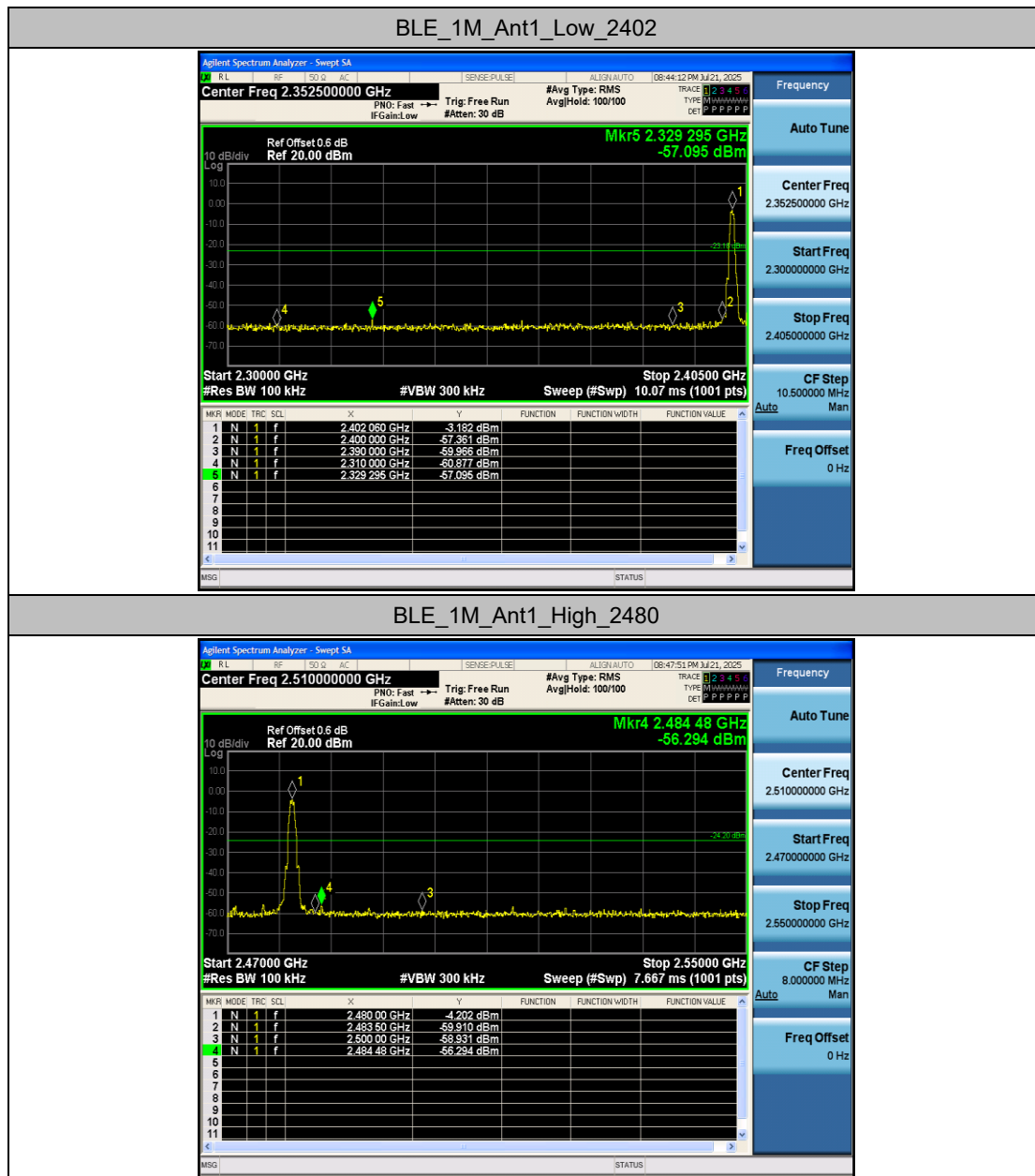


Appendix E: Band edge measurements

Test Result

TestMod e	Antenn a	ChNam e	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdic t
BLE_1M	Ant1	Low	2402	-3.18	-57.1	≤-23.18	PASS
		High	2480	-4.20	-56.29	≤-24.2	PASS

Test Graphs

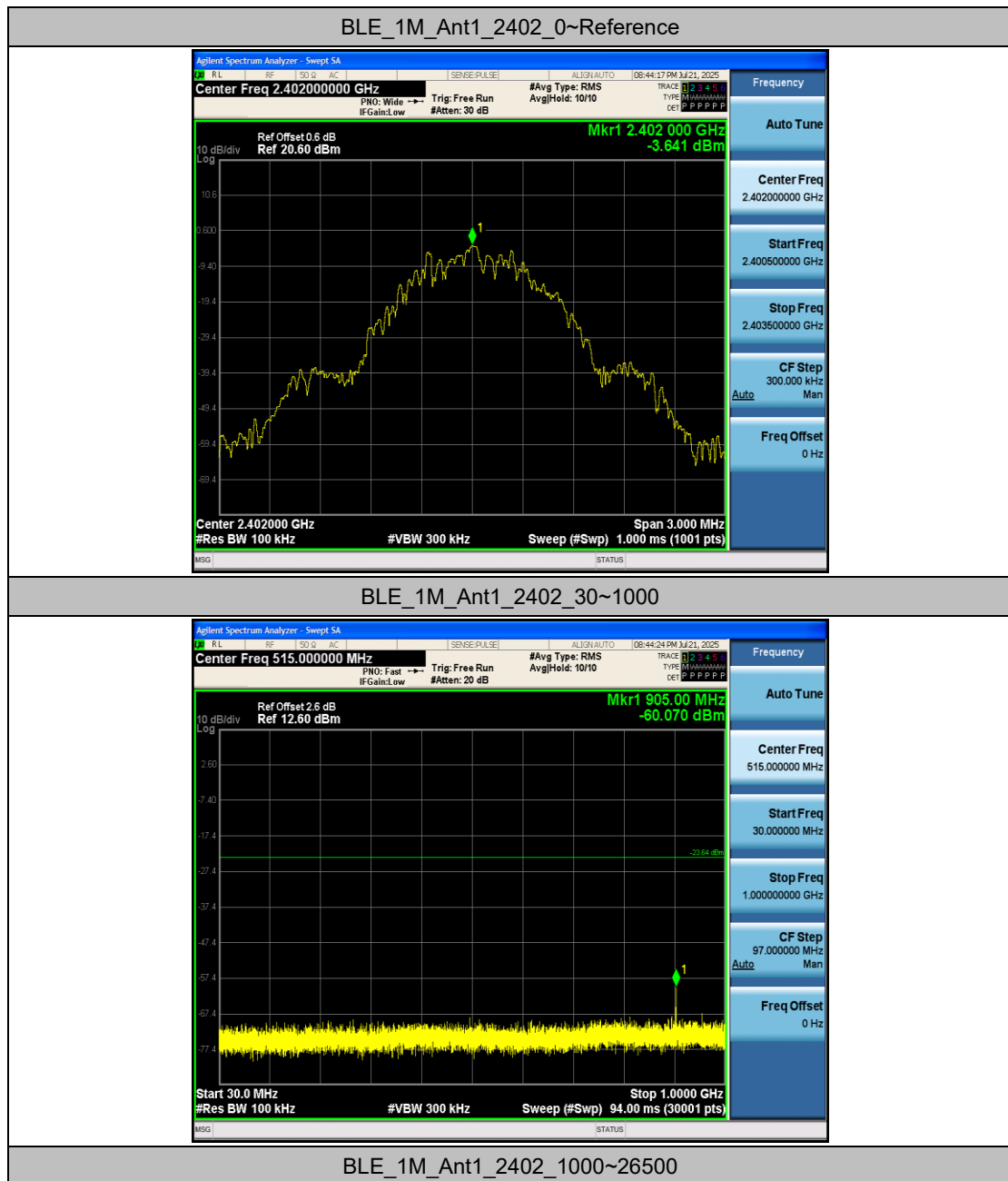


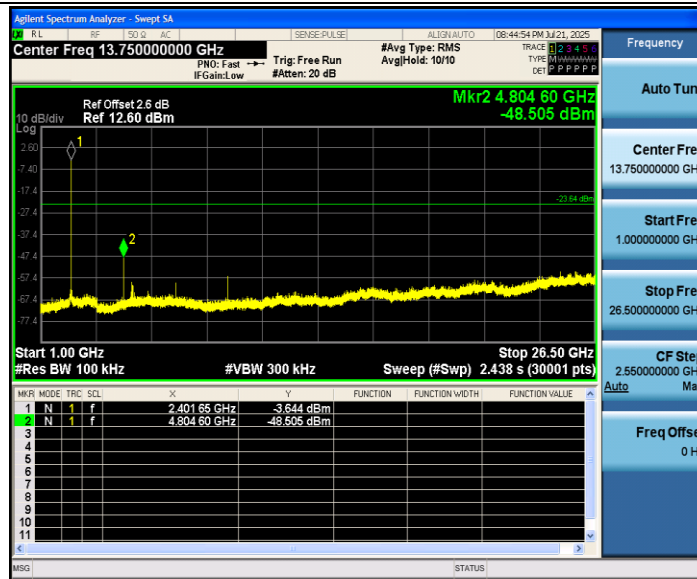
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-3.64	-3.64	---	PASS
			30~1000	-3.64	-60.07	≤-23.64	PASS
			1000~26500	-3.64	-48.51	≤-23.64	PASS
		2440	Reference	-3.89	-3.89	---	PASS
			30~1000	-3.89	-64.97	≤-23.89	PASS
			1000~26500	-3.89	-45.57	≤-23.89	PASS
		2480	Reference	-5.45	-5.45	---	PASS
			30~1000	-5.45	-59.8	≤-25.45	PASS
			1000~26500	-5.45	-46.32	≤-25.45	PASS

Test Graphs

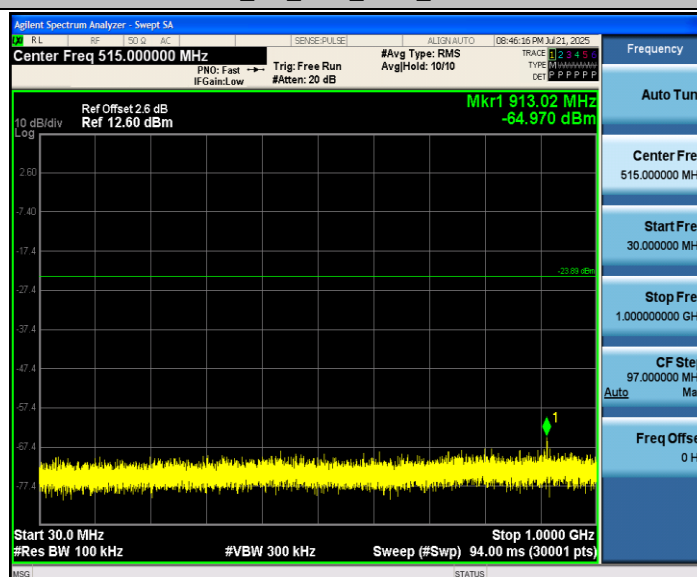




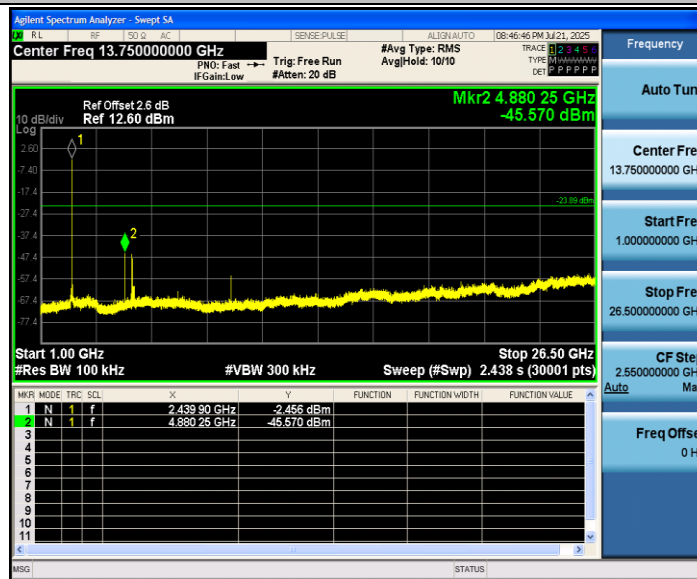
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



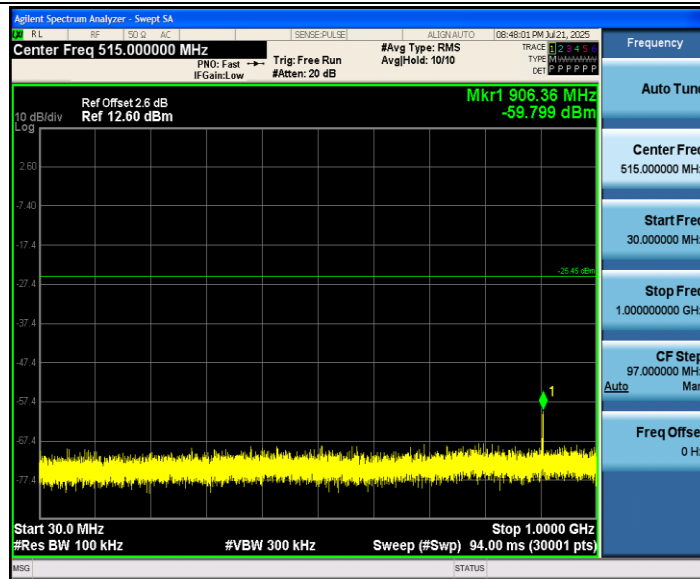
BLE_1M_Ant1_2440_1000~26500



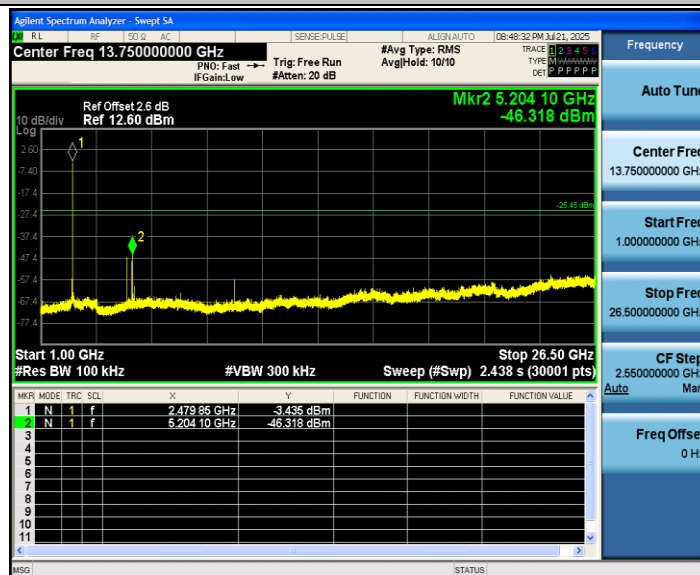
BLE_1M_Ant1_2480_0~Reference



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

