

FCC Appendix RF Test Data

FCC ID : 2BRGJ-WFH-800TW6

Company : Ningbo EFU Electrical Appliance Co., Ltd

EUT : infrared heater

Model Number : WFH-800TW6

Report No. : CTA25072400301

Reviewed By : Eric Wang

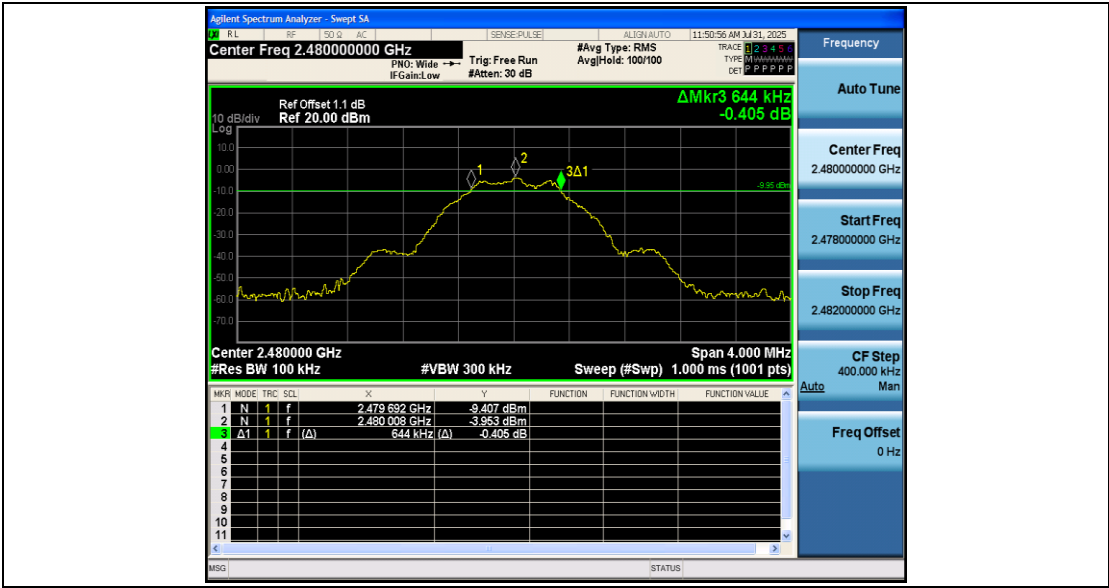
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.648	2401.688	2402.336	0.5	PASS
		2440	0.620	2439.696	2440.316	0.5	PASS
		2480	0.644	2479.692	2480.336	0.5	PASS

Test Graphs



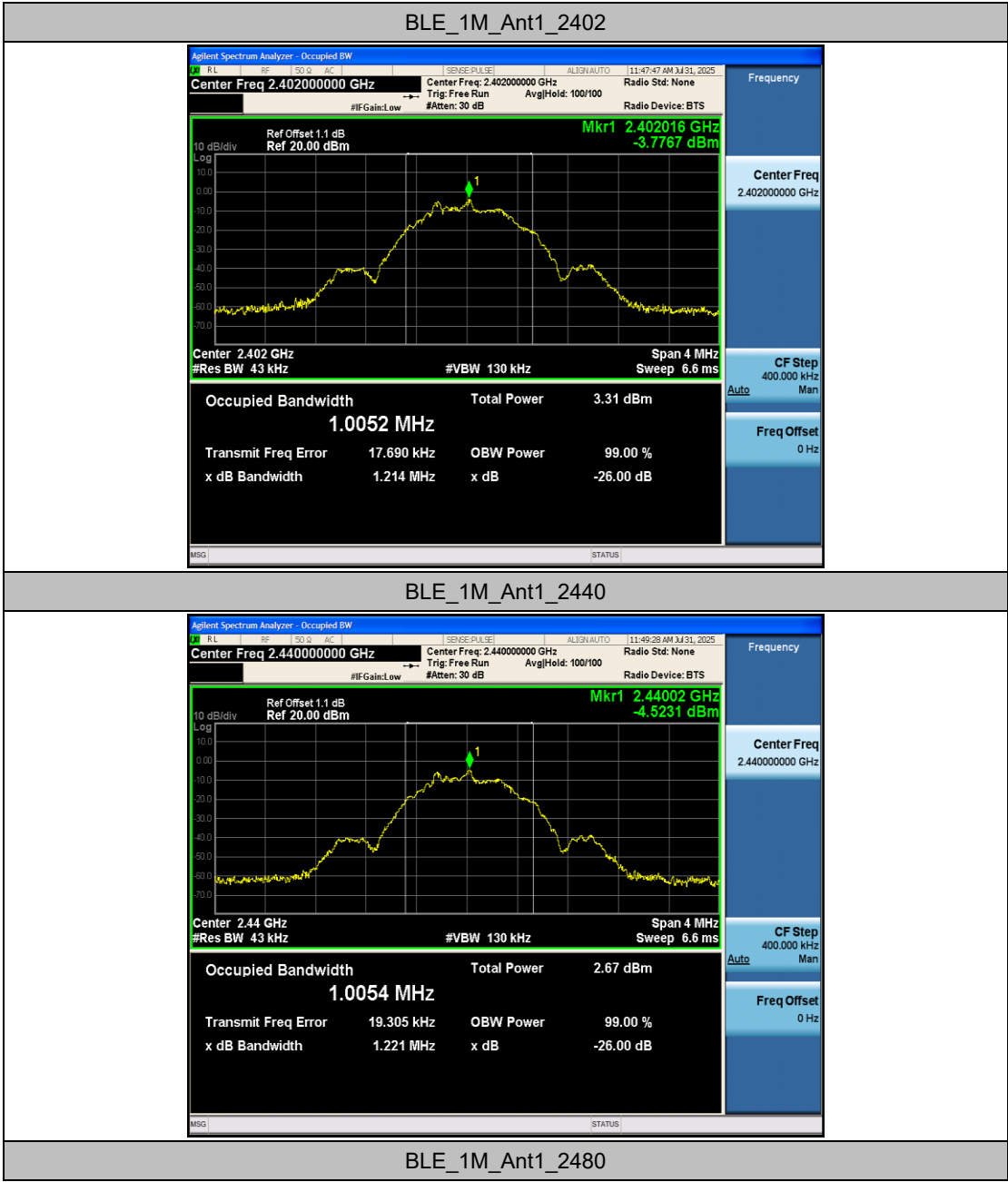


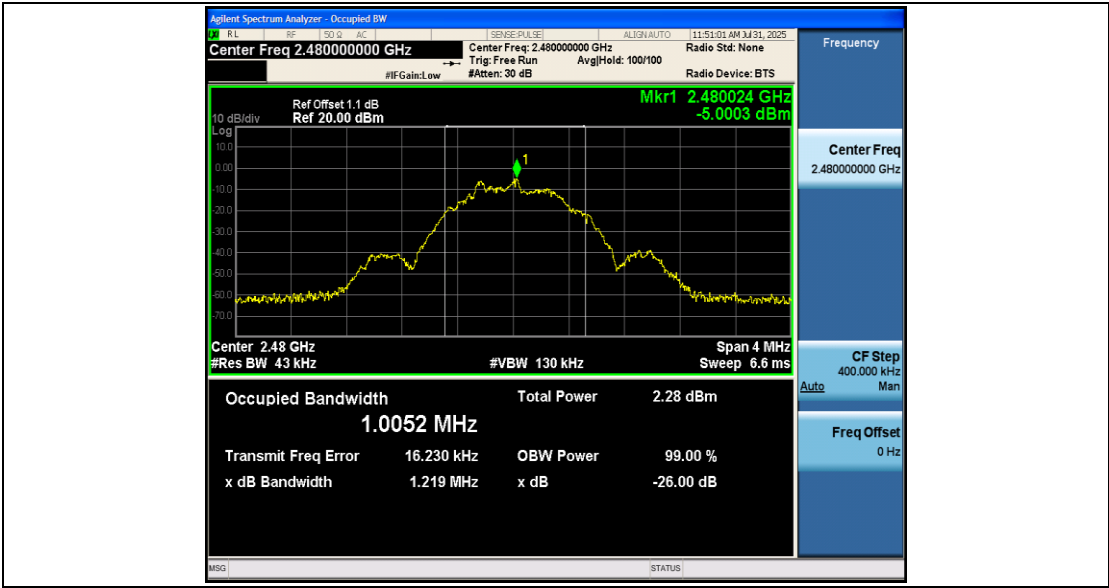
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0052	2401.5151	2402.5203	---	---
		2440	1.0054	2439.5166	2440.5220	---	---
		2480	1.0052	2479.5136	2480.5188	---	---

Test Graphs





Appendix C: Maximum conducted output power

Test Result Peak

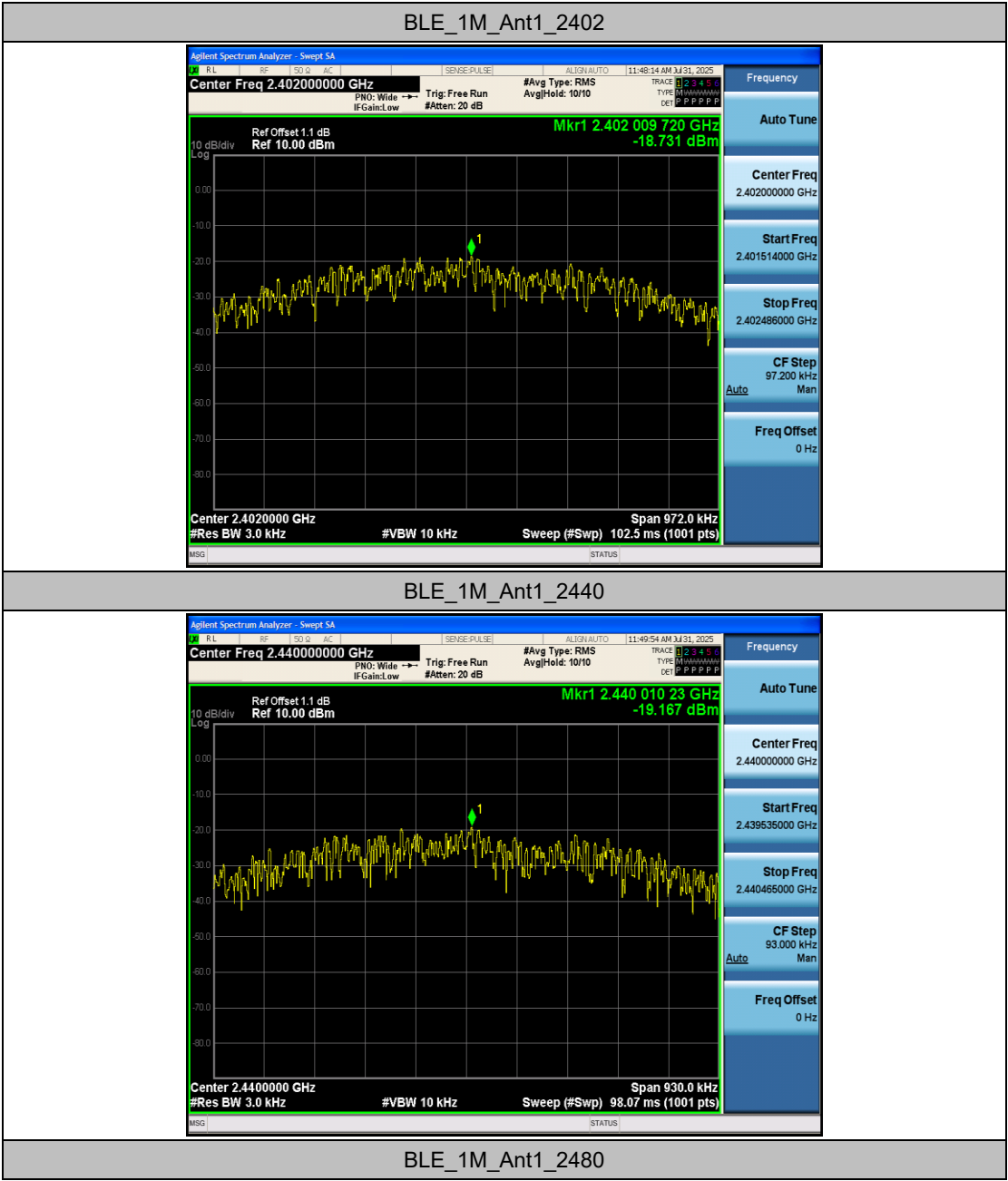
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-2.74	≤30	PASS
		2440	-3.41	≤30	PASS
		2480	-3.75	≤30	PASS

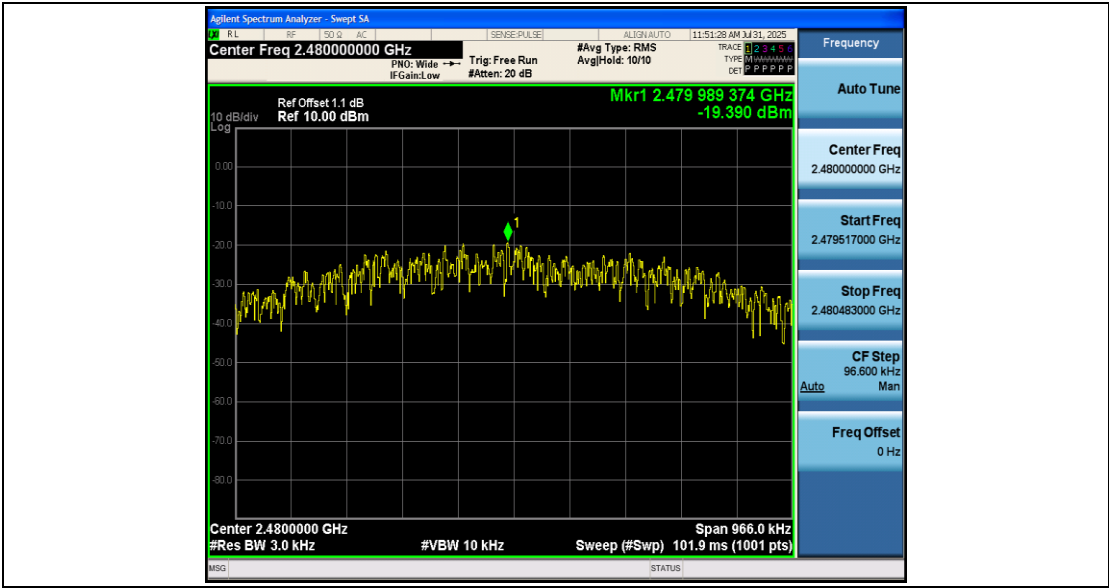
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.73	≤8.00	PASS
		2440	-19.17	≤8.00	PASS
		2480	-19.39	≤8.00	PASS

Test Graphs



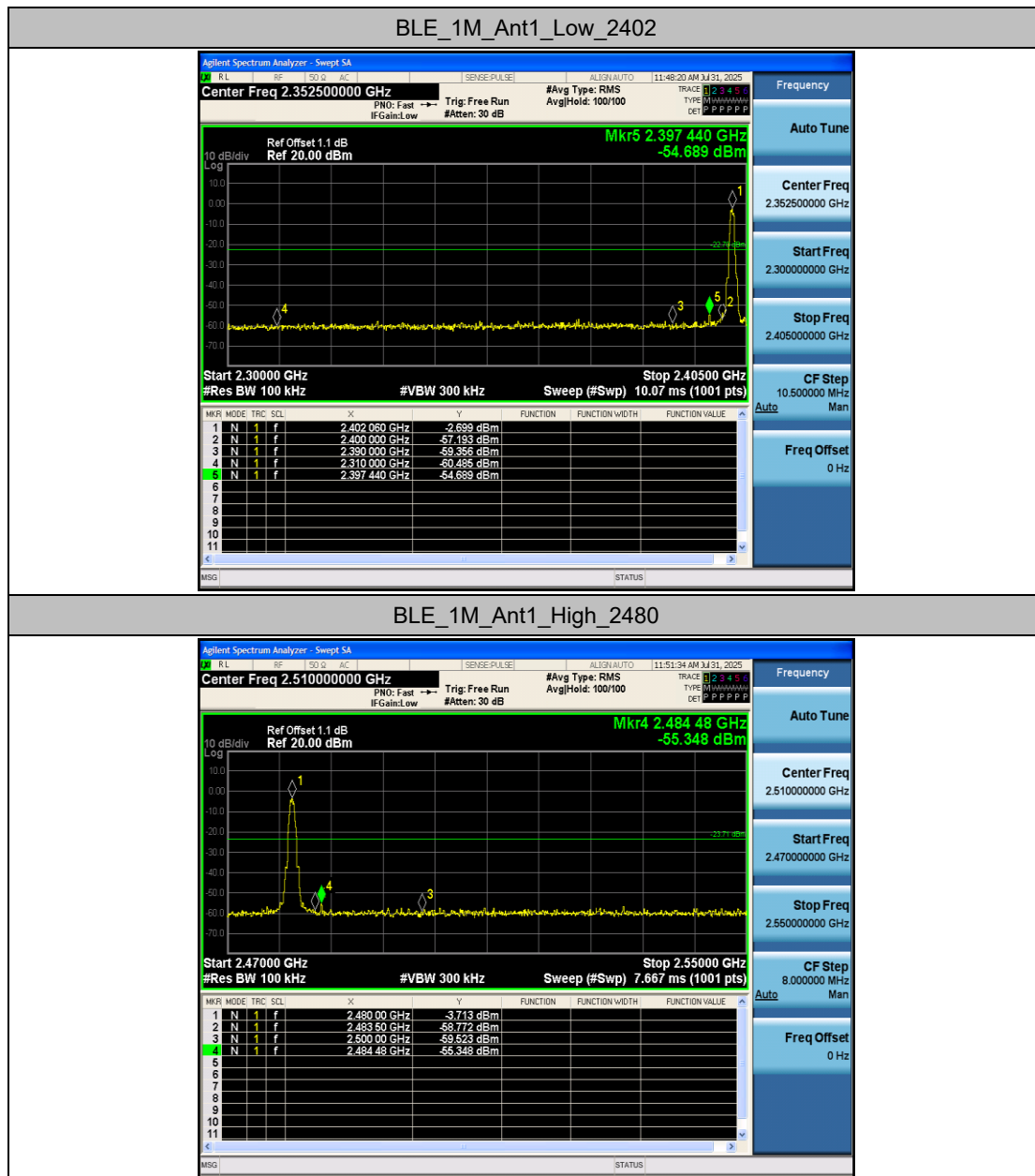


Appendix E: Band edge measurements

Test Result

TestMod e	Antenn a	ChNam e	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdic t
BLE_1M	Ant1	Low	2402	-2.70	-54.69	≤-22.7	PASS
		High	2480	-3.71	-55.35	≤-23.71	PASS

Test Graphs

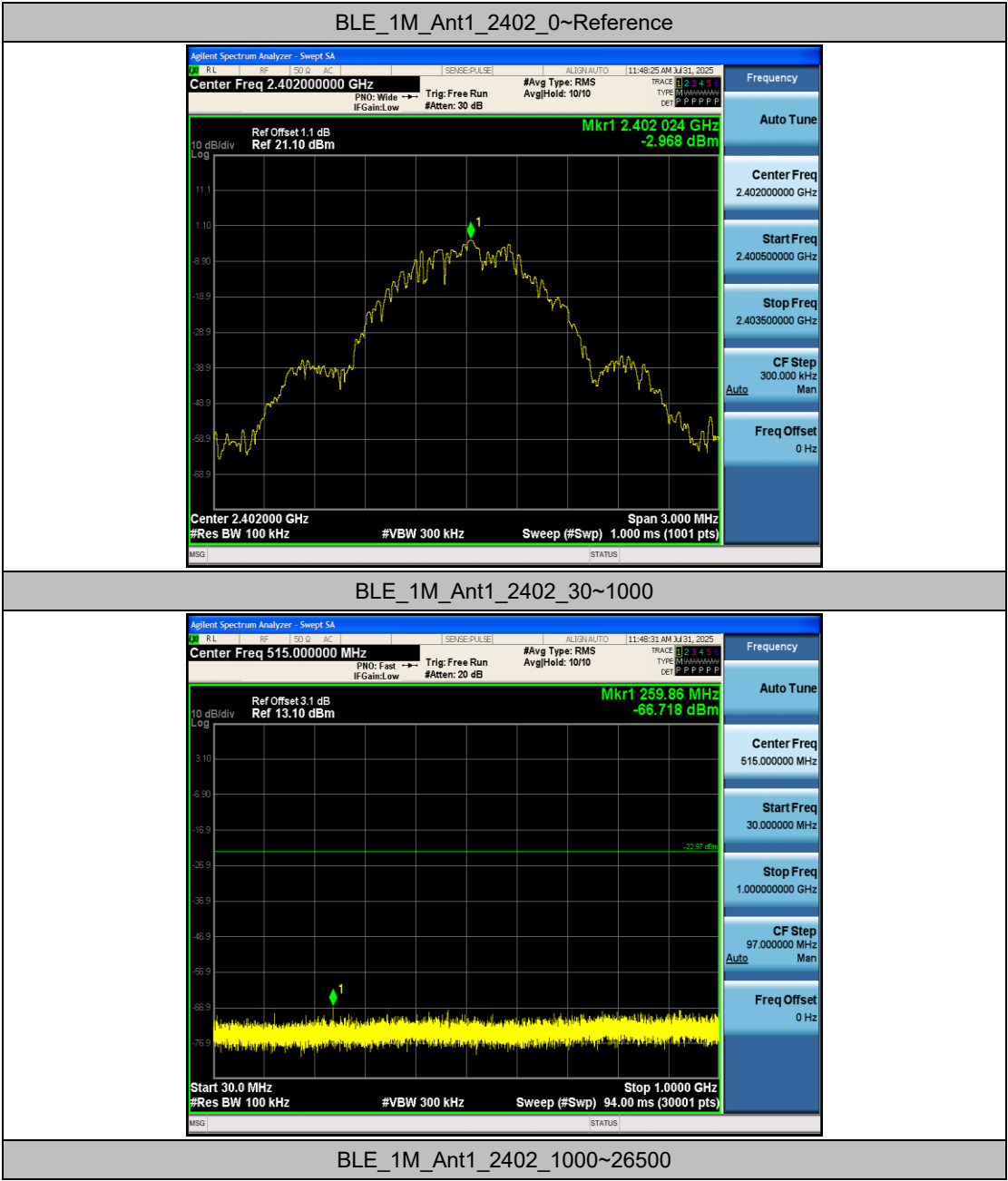


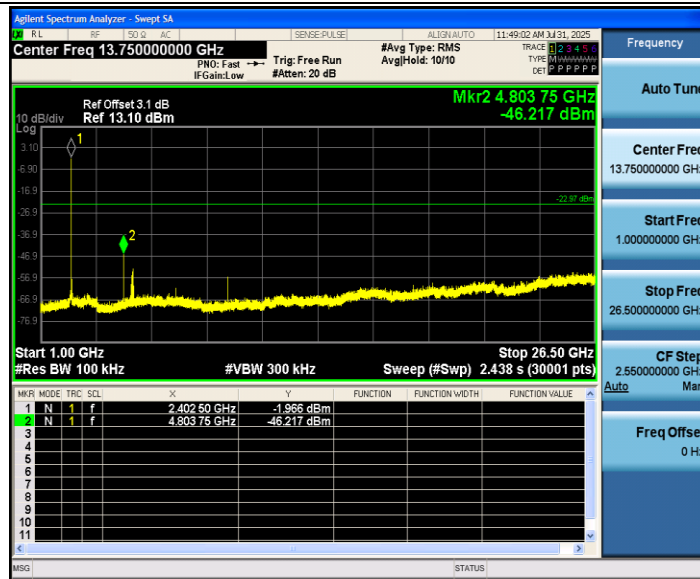
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-2.97	-2.97	---	PASS
			30~1000	-2.97	-66.72	≤-22.97	PASS
			1000~26500	-2.97	-46.22	≤-22.97	PASS
		2440	Reference	-5.06	-5.06	---	PASS
			30~1000	-5.06	-66.35	≤-25.06	PASS
			1000~26500	-5.06	-45.89	≤-25.06	PASS
		2480	Reference	-3.86	-3.86	---	PASS
			30~1000	-3.86	-67.59	≤-23.86	PASS
			1000~26500	-3.86	-47.21	≤-23.86	PASS

Test Graphs

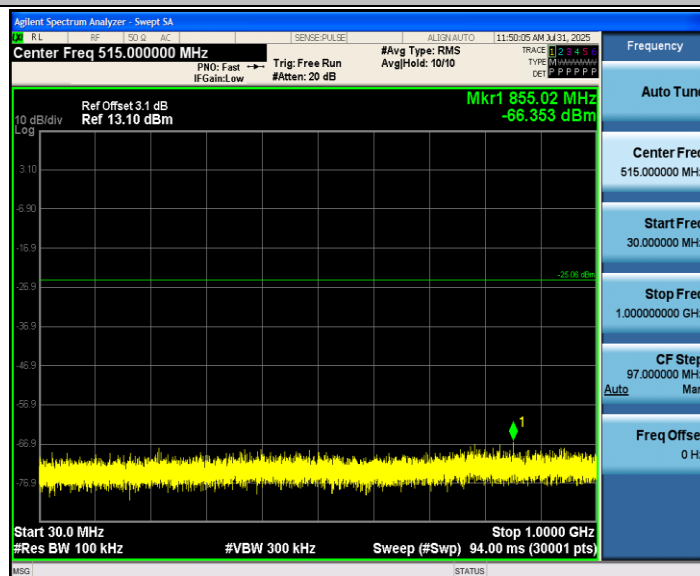




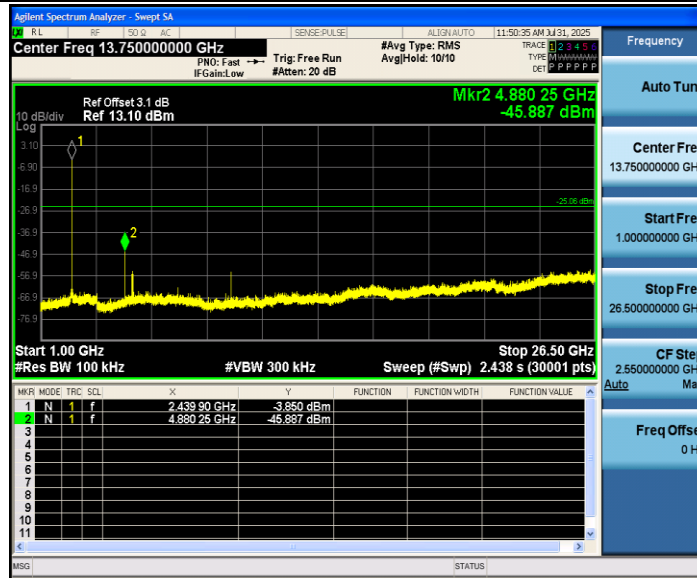
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



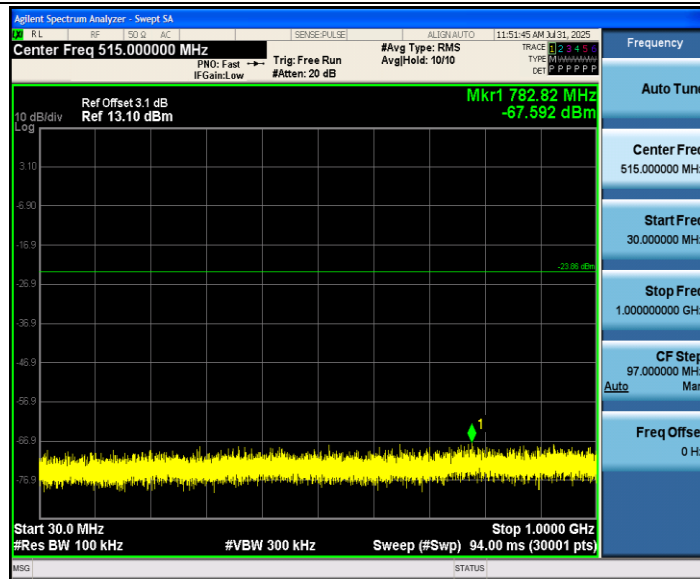
BLE_1M_Ant1_2440_1000~26500



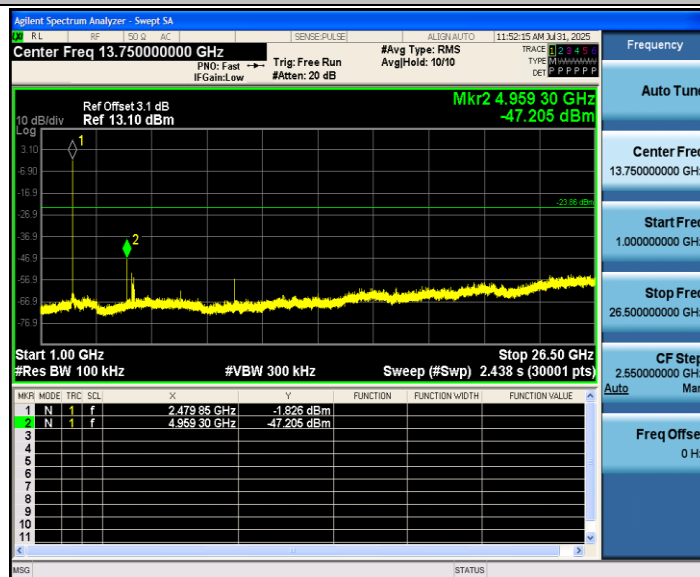
BLE_1M_Ant1_2480_0~Reference



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

