

FCC Appendix RF Test Data

FCC ID : 2BM59-T40

Company : Haoyin (Guangzhou) Digital Technology Co., Ltd.

EUT : T40 thermal printer

Model Number : T40

Report No. : CTA25062505701

Reviewed By : Eric Wang

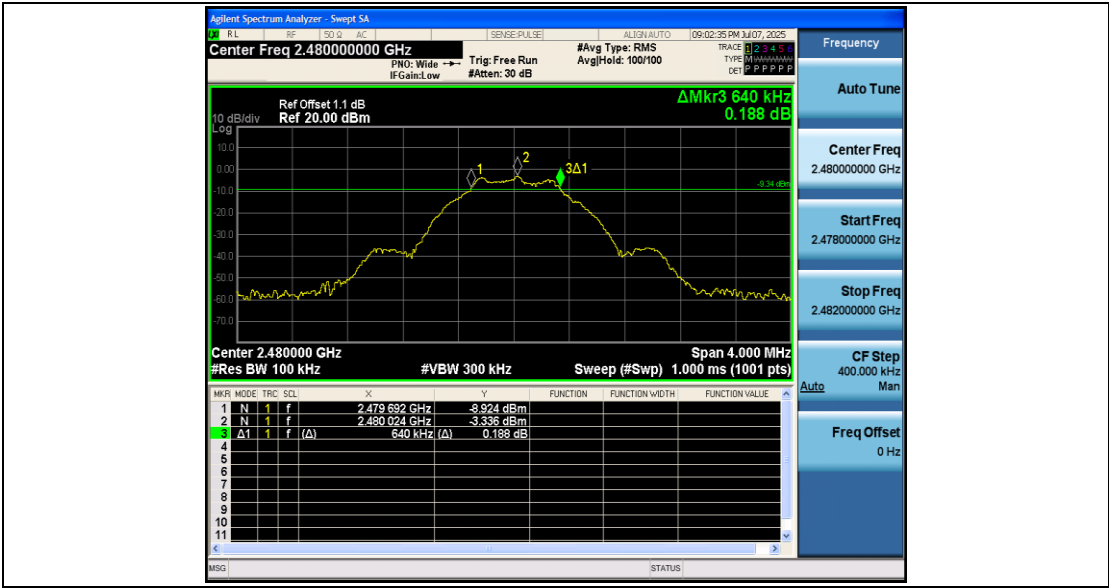
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.640	2401.692	2402.332	0.5	PASS
		2440	0.656	2439.688	2440.344	0.5	PASS
		2480	0.640	2479.692	2480.332	0.5	PASS

Test Graphs





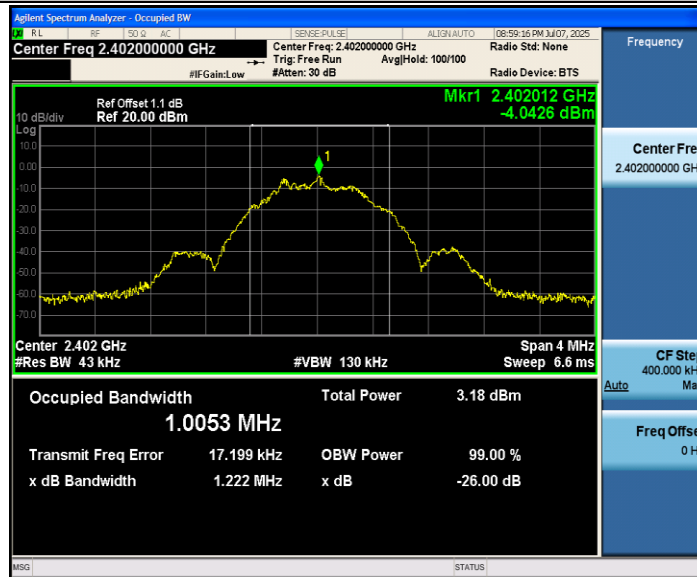
Appendix B: Occupied Channel Bandwidth

Test Result

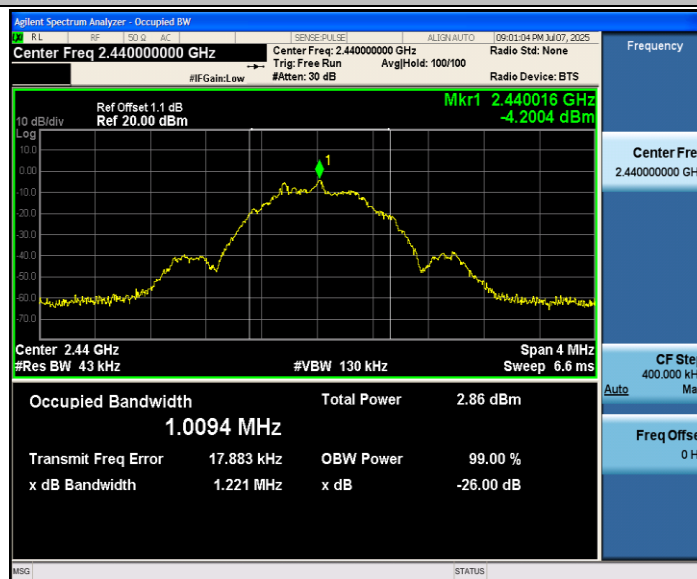
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0053	2401.5146	2402.5199	---	---
		2440	1.0094	2439.5132	2440.5226	---	---
		2480	1.0038	2479.5164	2480.5202	---	---

Test Graphs

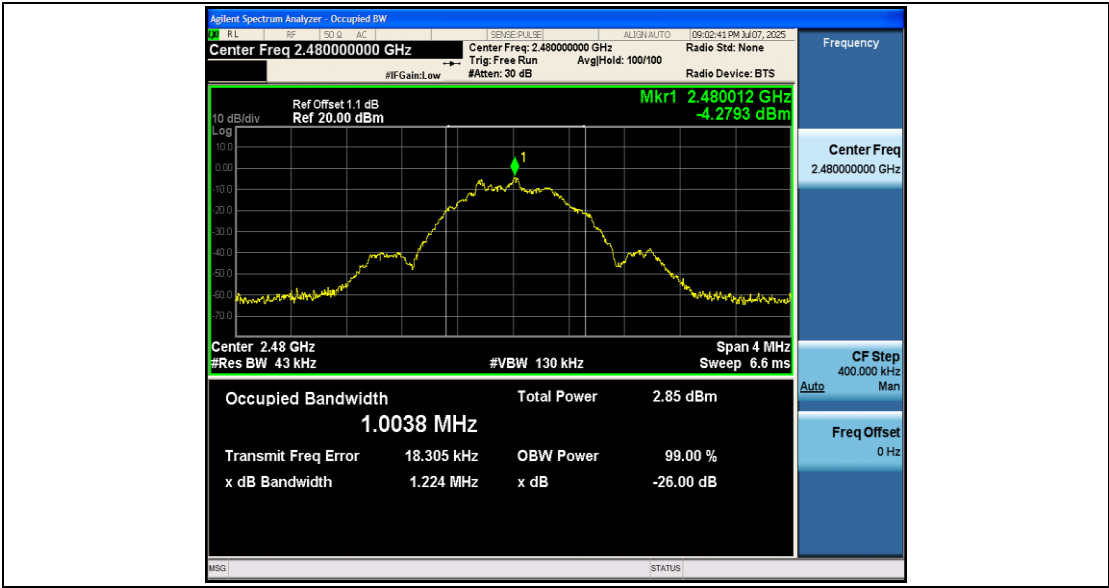
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



Appendix C: Maximum conducted output power

Test Result Peak

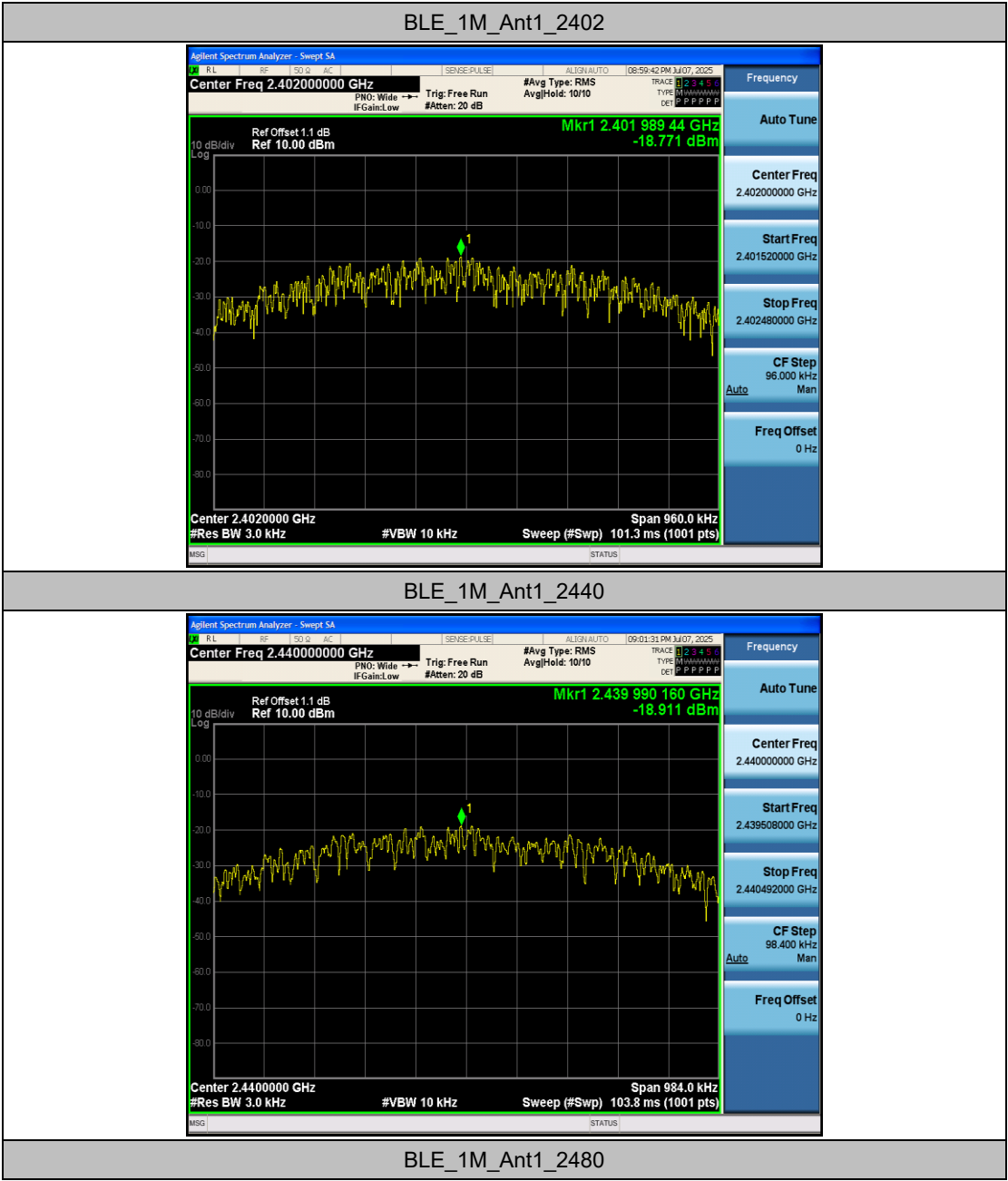
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-2.85	≤30	PASS
		2440	-3.16	≤30	PASS
		2480	-3.19	≤30	PASS

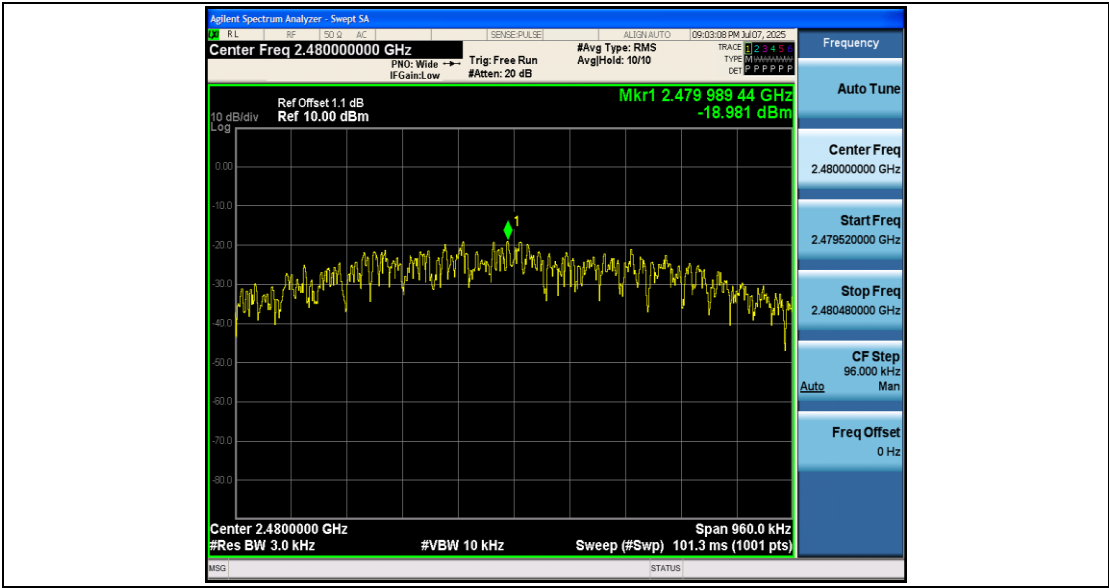
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.77	≤8.00	PASS
		2440	-18.91	≤8.00	PASS
		2480	-18.98	≤8.00	PASS

Test Graphs



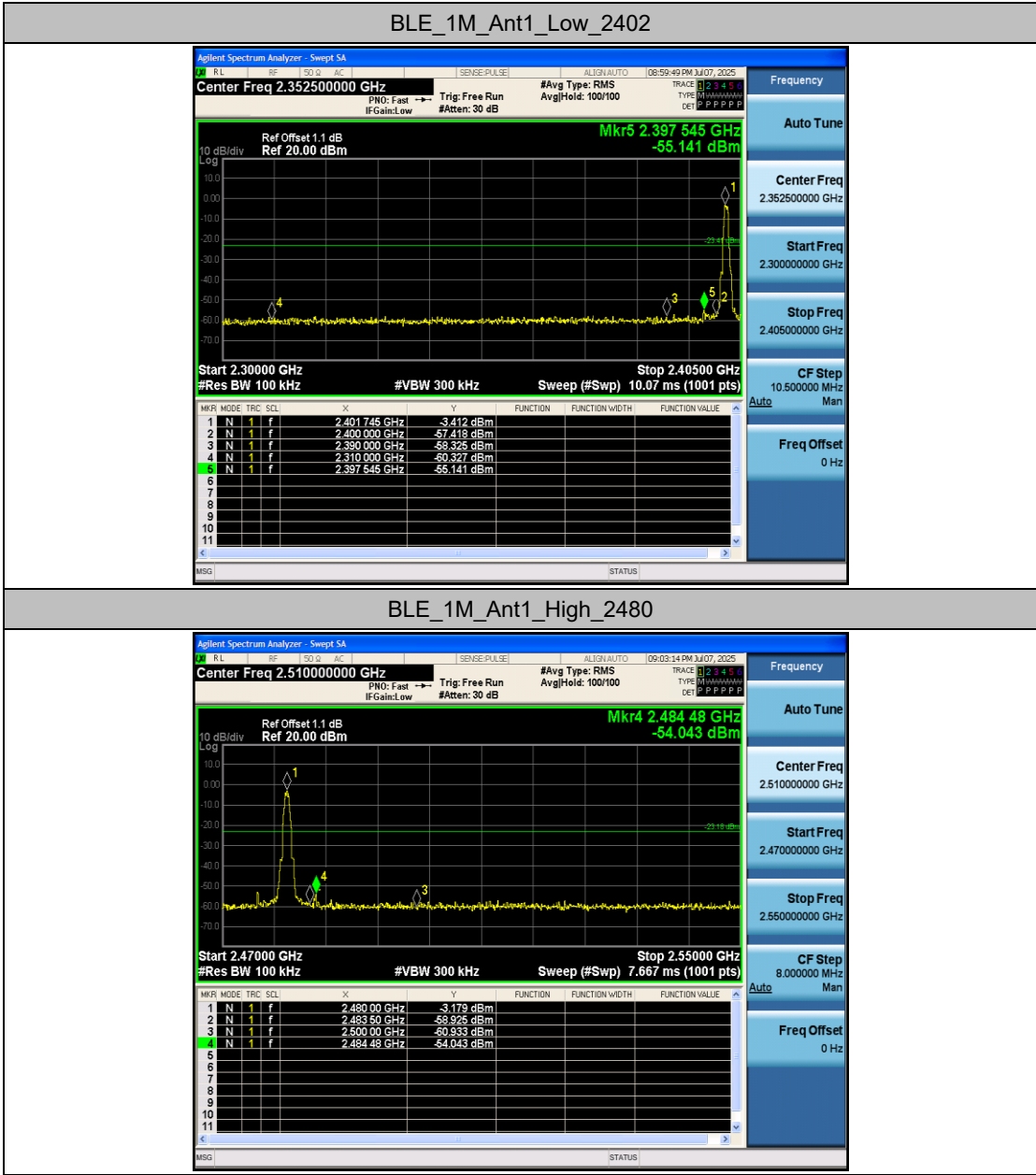


Appendix E: Band edge measurements

Test Result

TestMod e	Antenn a	ChNam e	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdic t
BLE_1M	Ant1	Low	2402	-3.41	-55.14	≤-23.41	PASS
		High	2480	-3.18	-54.04	≤-23.18	PASS

Test Graphs

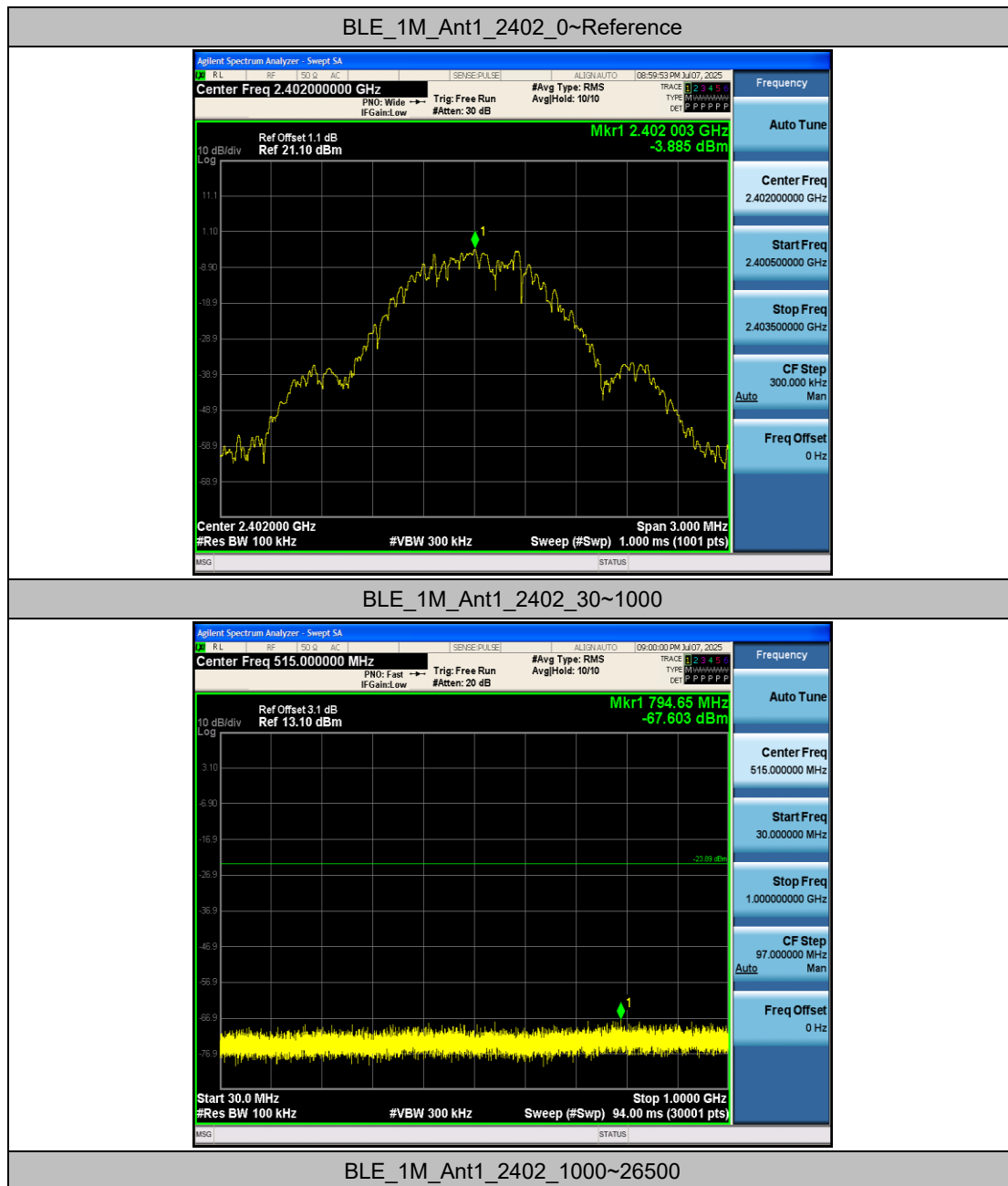


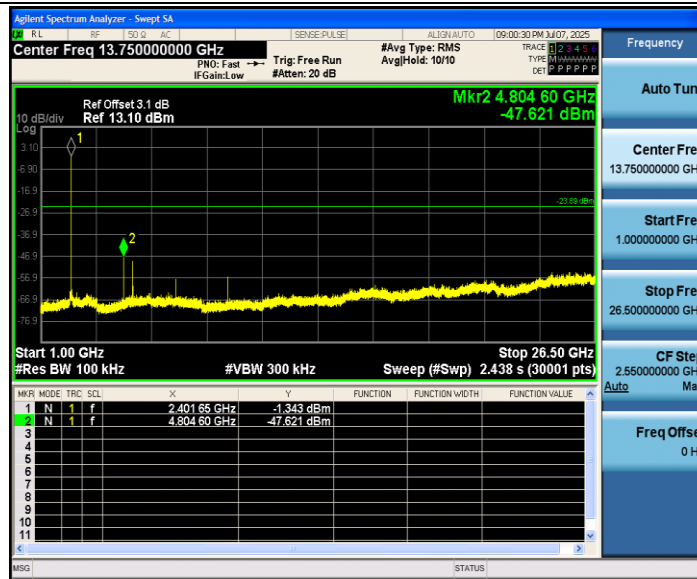
Appendix F: Conducted Spurious Emission

Test Result

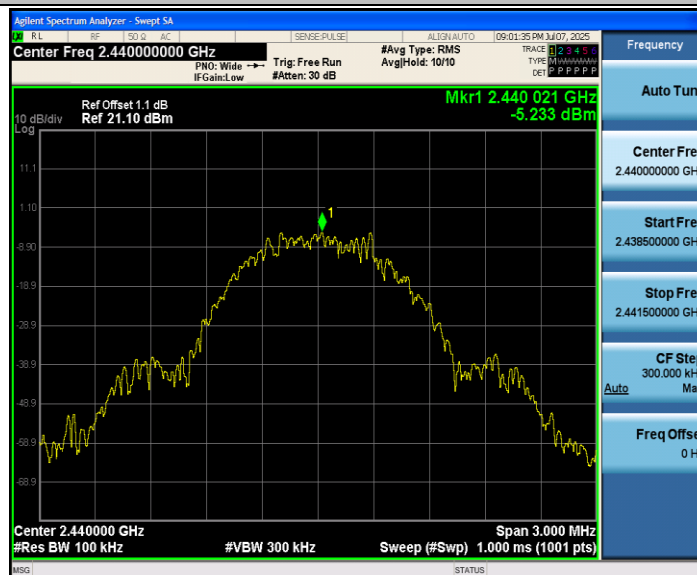
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-3.89	-3.89	---	PASS
			30~1000	-3.89	-67.6	≤-23.89	PASS
			1000~26500	-3.89	-47.62	≤-23.89	PASS
		2440	Reference	-5.23	-5.23	---	PASS
			30~1000	-5.23	-67.33	≤-25.23	PASS
			1000~26500	-5.23	-47.41	≤-25.23	PASS
		2480	Reference	-5.75	-5.75	---	PASS
			30~1000	-5.75	-67.54	≤-25.75	PASS
			1000~26500	-5.75	-49.06	≤-25.75	PASS

Test Graphs

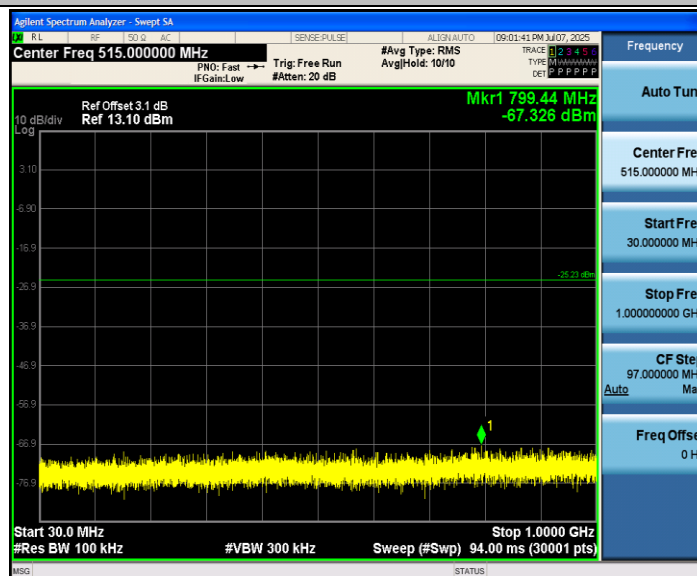




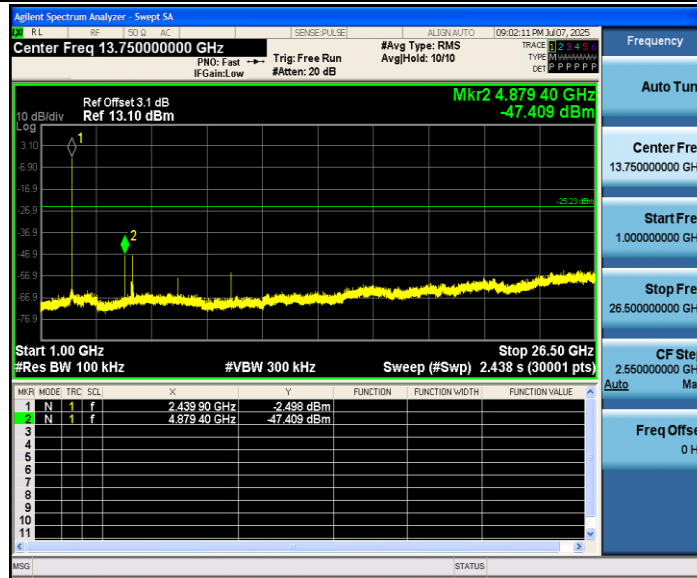
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



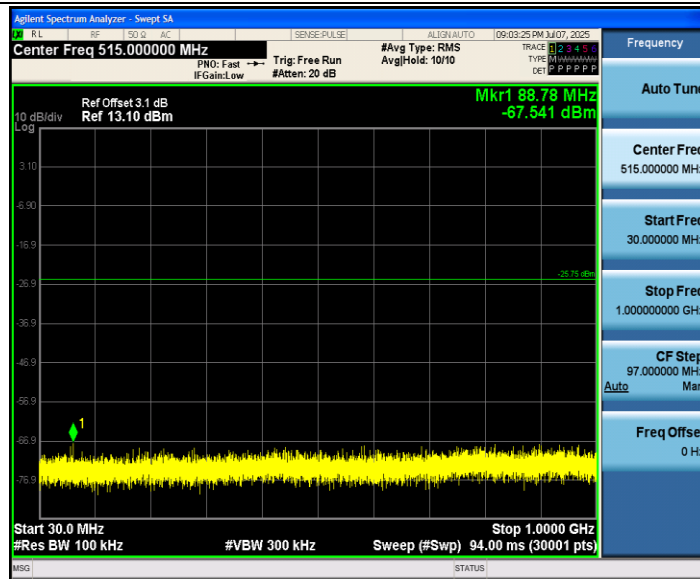
BLE_1M_Ant1_2440_1000~26500



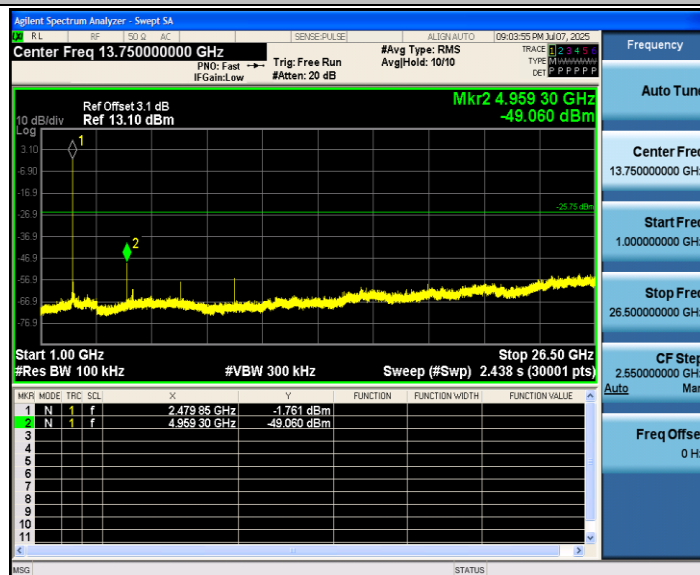
BLE_1M_Ant1_2480_0~Reference



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	0.42	0.63	0.6667	66.67	1.76	---	---
		2440	0.41	0.63	0.6508	65.08	1.87	---	---
		2480	0.41	0.62	0.6613	66.13	1.80	---	---

Test Graphs

