

FCC Appendix RF Test Data

FCC ID : 2BH25-LK-1006

Company: : Shenzhenshihongxinshunkejiyouxiangongsi

EUT : LED Fabric Lamp

Model Number : LK-1006

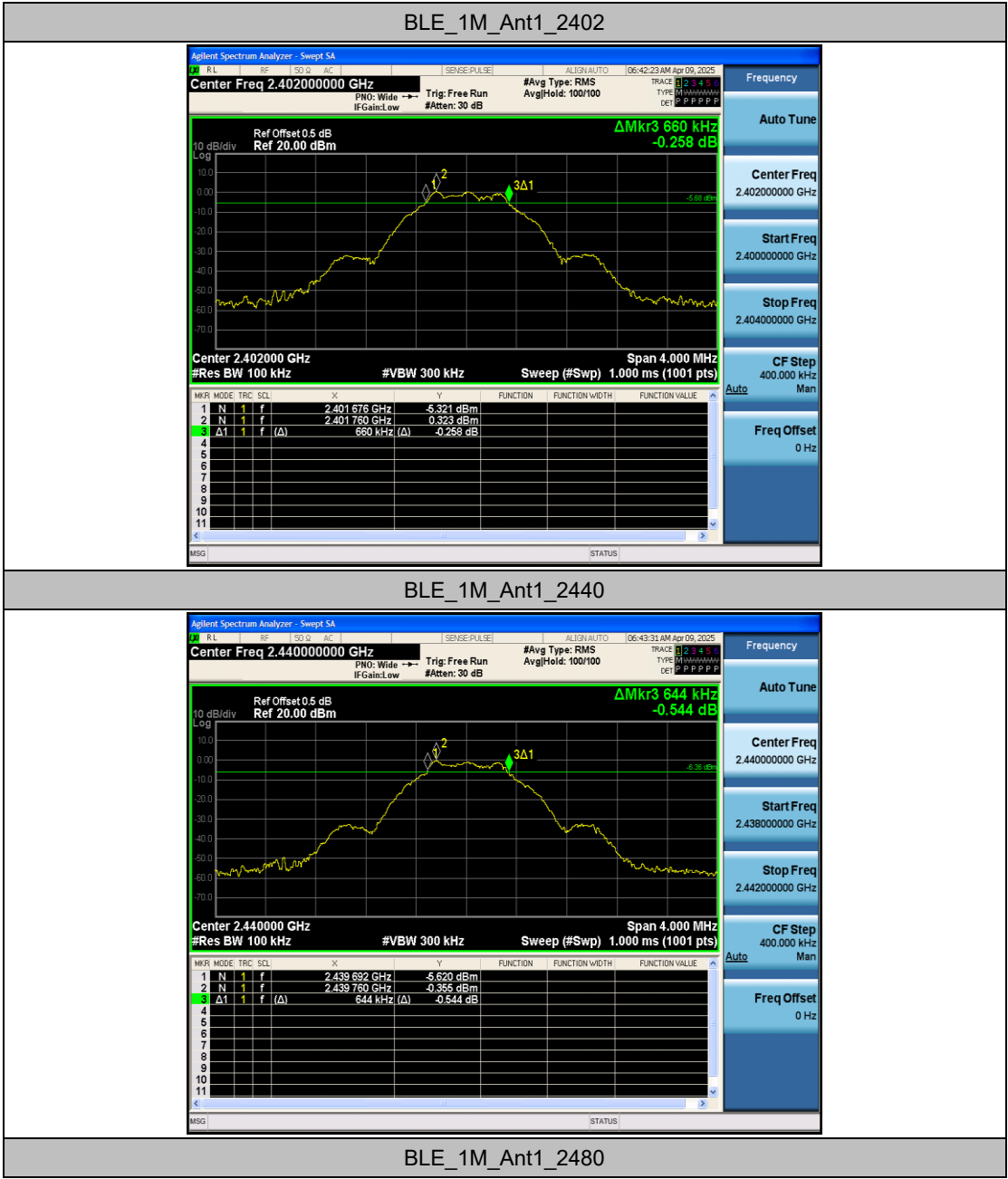
Reviewed By : Eric Wang

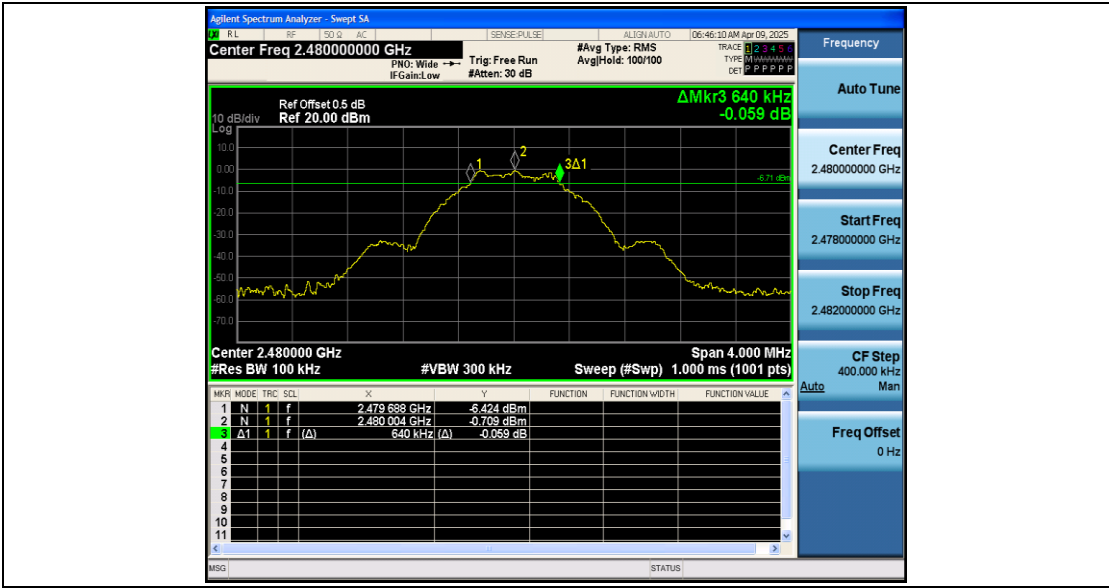
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.660	2401.676	2402.336	0.5	PASS
		2440	0.644	2439.692	2440.336	0.5	PASS
		2480	0.640	2479.688	2480.328	0.5	PASS

Test Graphs



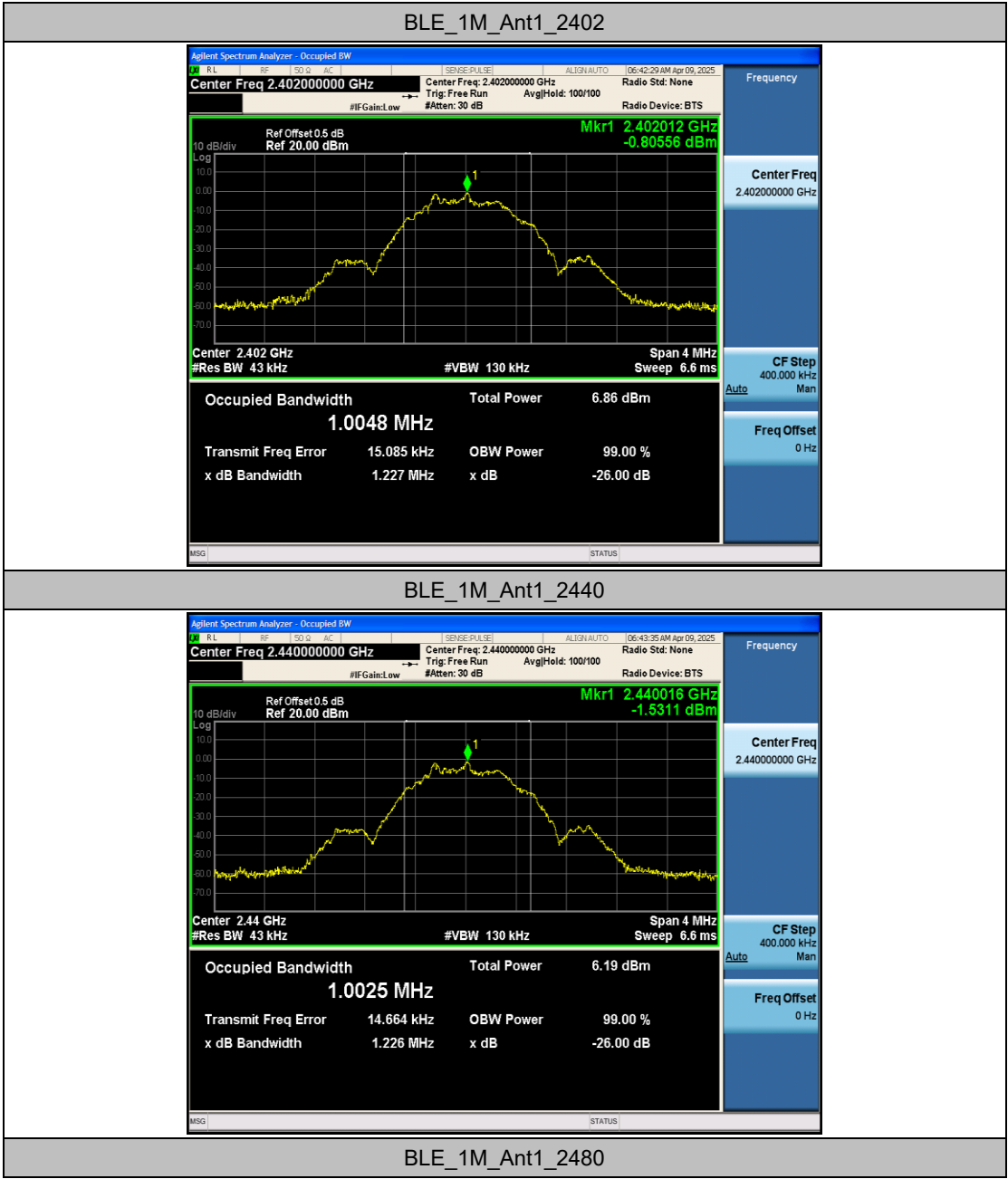


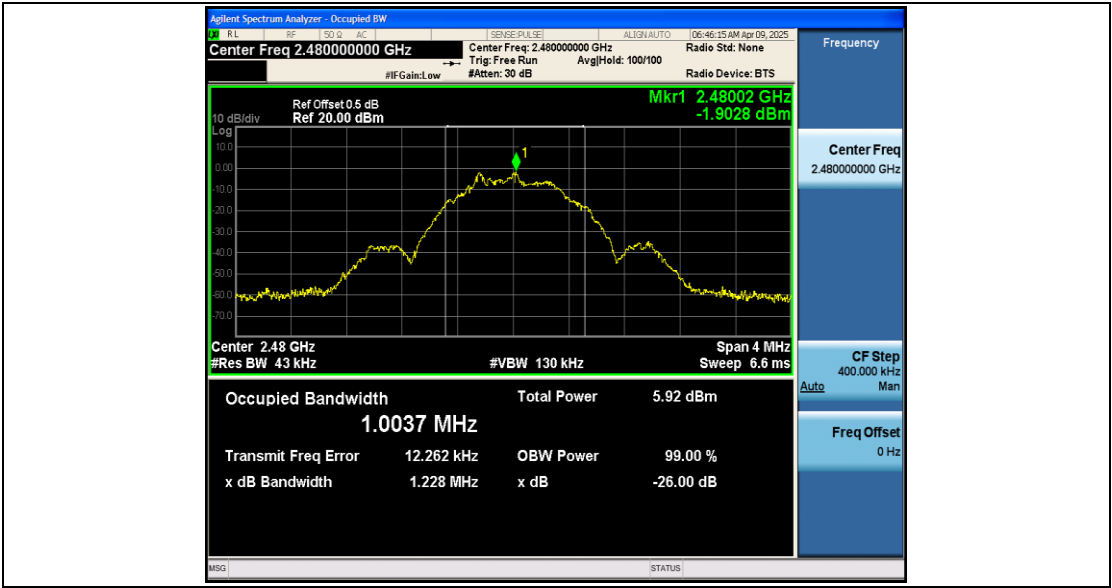
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0048	2401.5127	2402.5175	---	---
		2440	1.0025	2439.5134	2440.5159	---	---
		2480	1.0037	2479.5104	2480.5141	---	---

Test Graphs





Appendix C: Maximum conducted output power

Test Result Peak

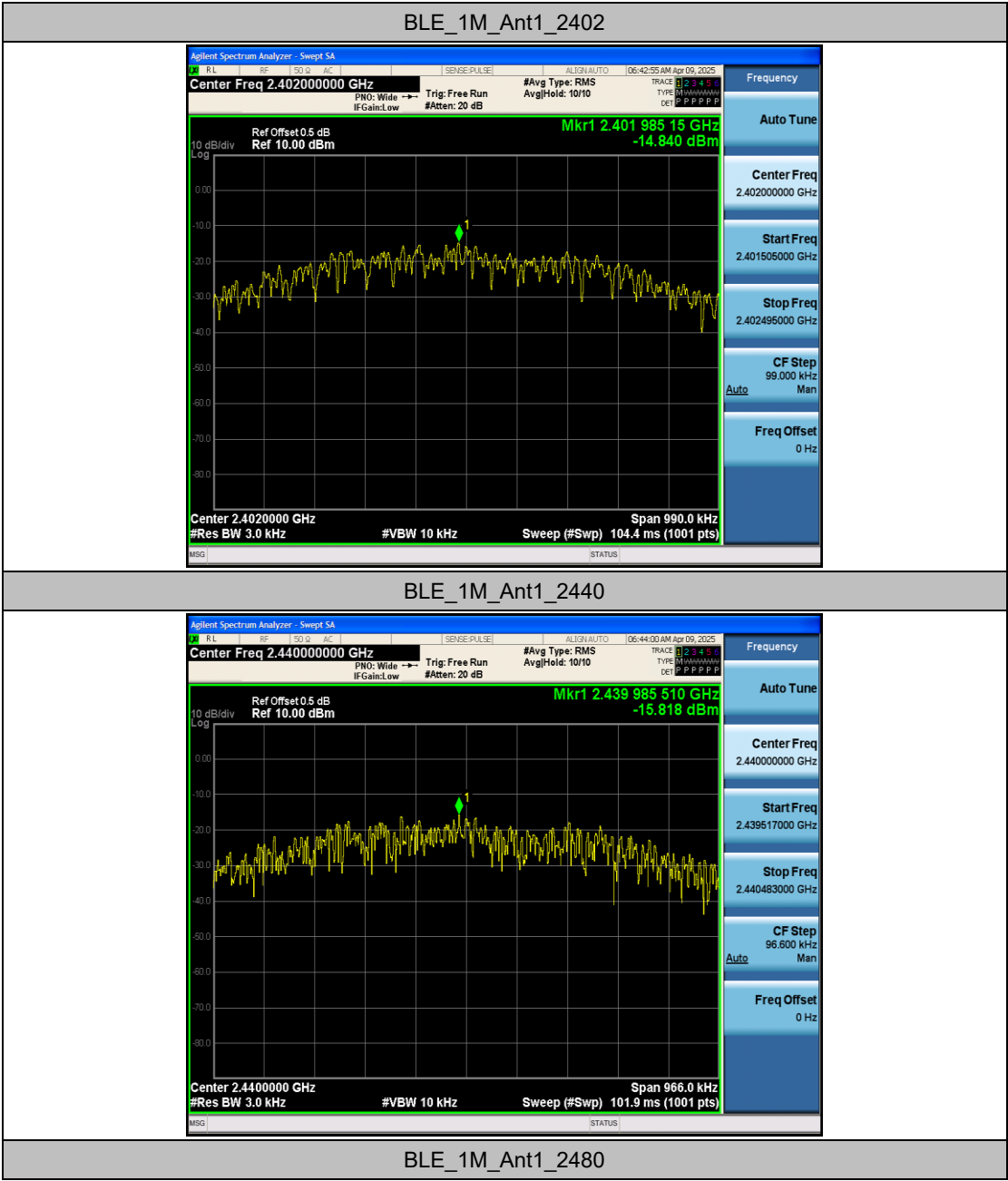
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.69	≤30	PASS
		2440	-0.01	≤30	PASS
		2480	-0.28	≤30	PASS

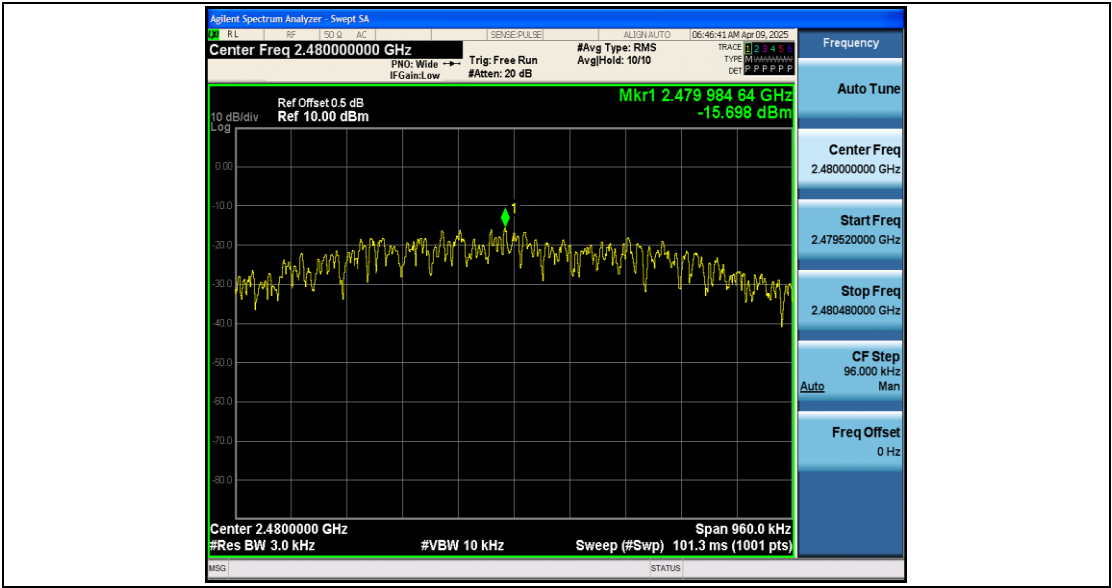
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.84	≤8.00	PASS
		2440	-15.82	≤8.00	PASS
		2480	-15.70	≤8.00	PASS

Test Graphs



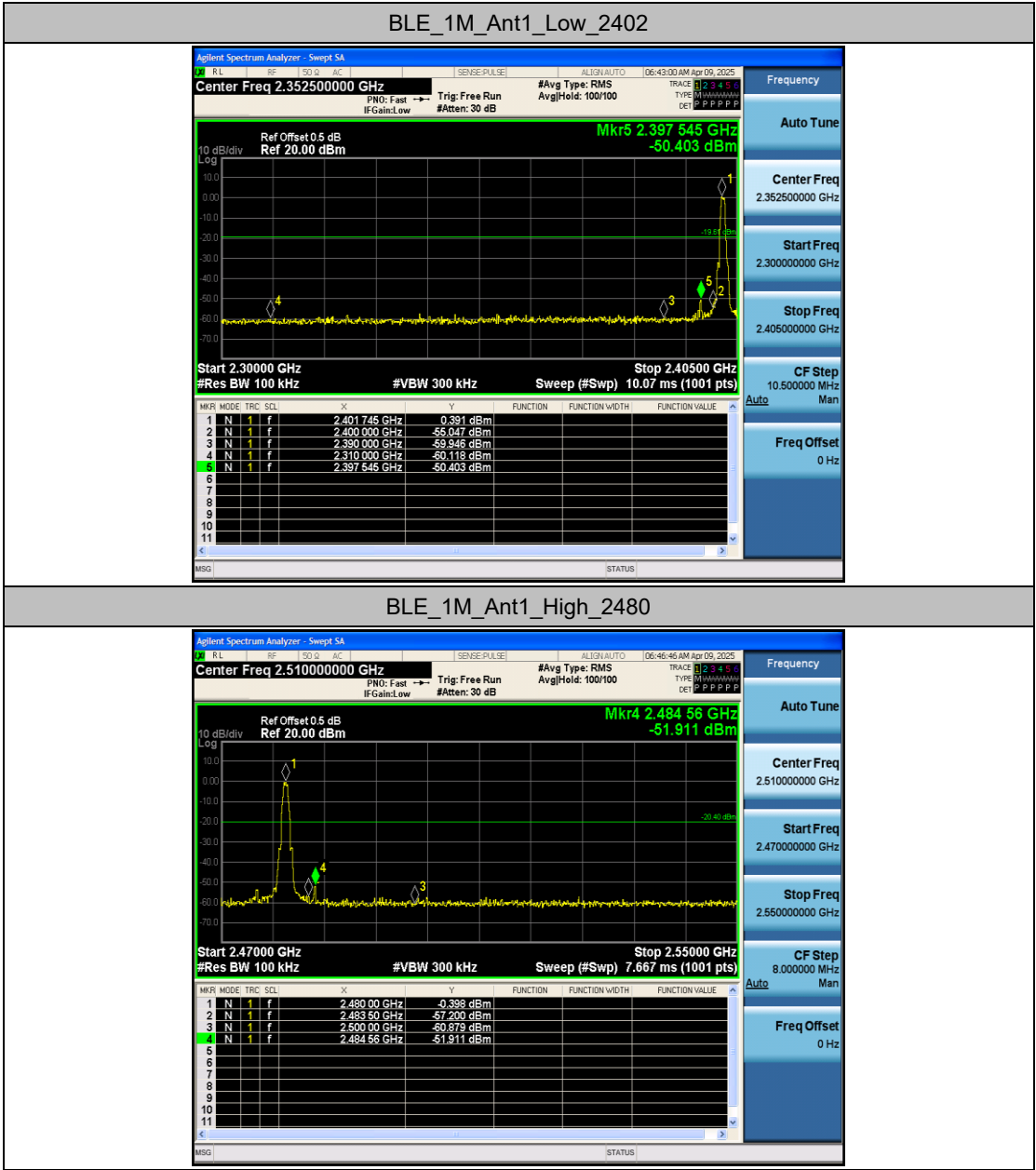


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.39	-50.4	≤-19.61	PASS
		High	2480	-0.40	-51.91	≤-20.4	PASS

Test Graphs

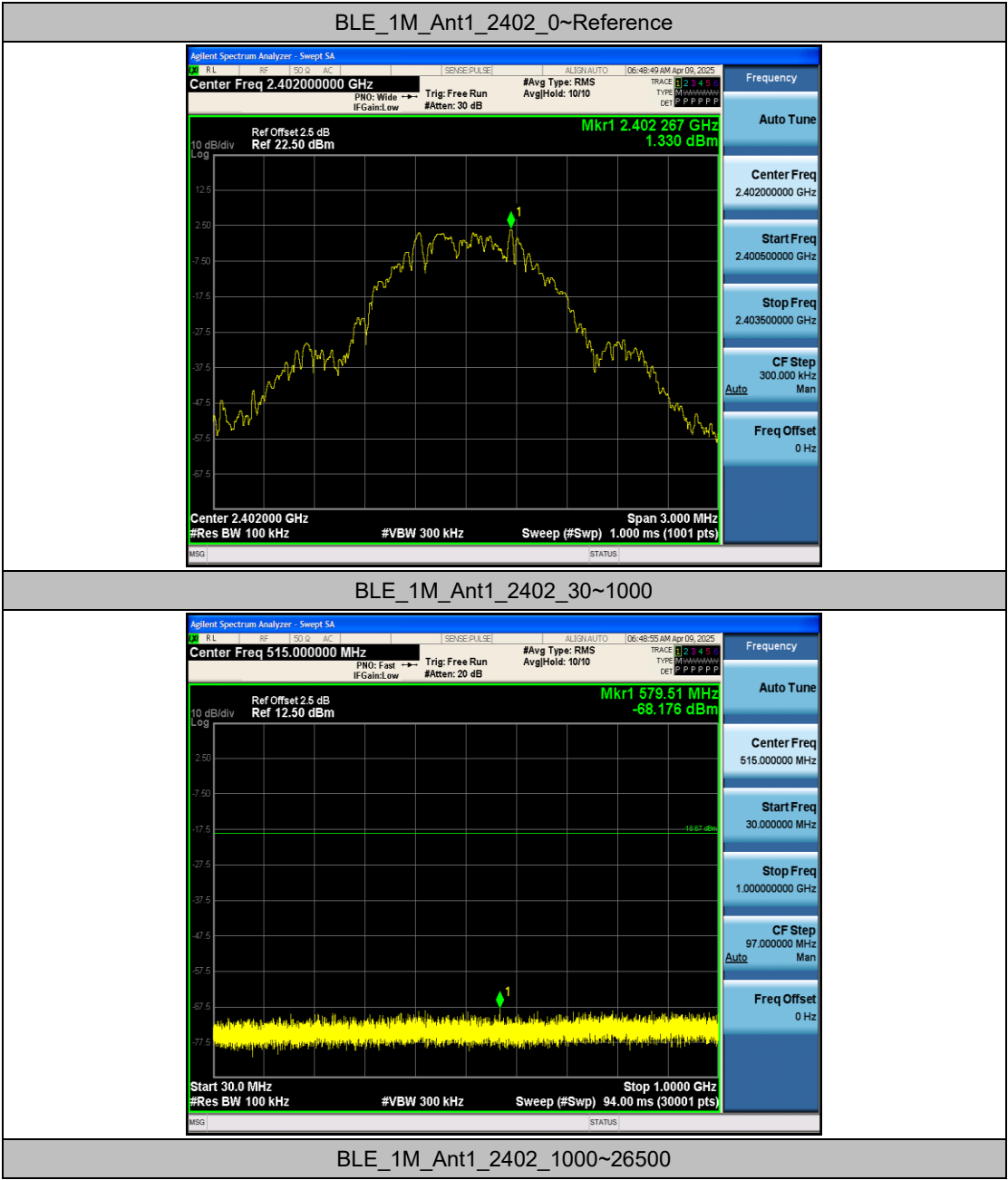


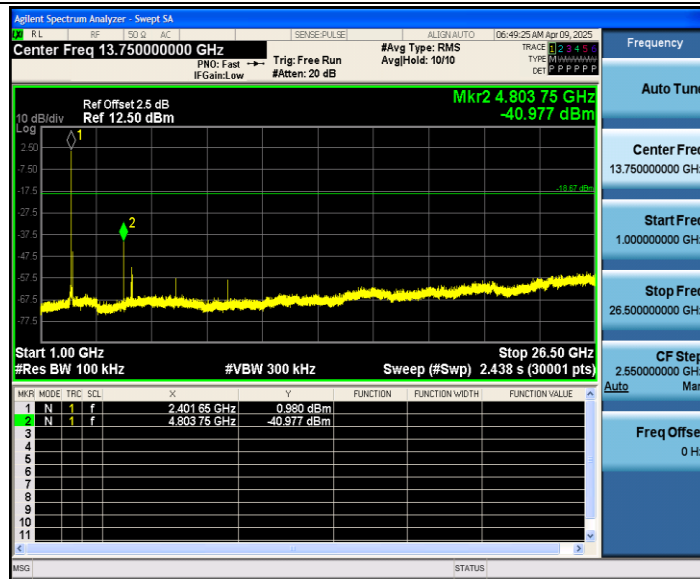
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	1.33	1.33	---	PASS
			30~1000	1.33	-68.18	≤-18.67	PASS
			1000~26500	1.33	-40.98	≤-18.67	PASS
		2440	Reference	0.73	0.73	---	PASS
			30~1000	0.73	-67.63	≤-19.27	PASS
			1000~26500	0.73	-44.29	≤-19.27	PASS
		2480	Reference	0.56	0.56	---	PASS
			30~1000	0.56	-67.44	≤-19.44	PASS
			1000~26500	0.56	-42.23	≤-19.44	PASS

Test Graphs

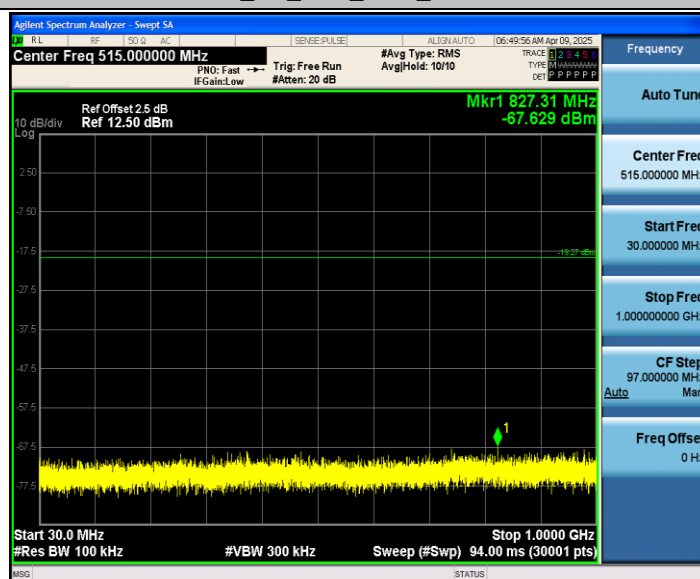




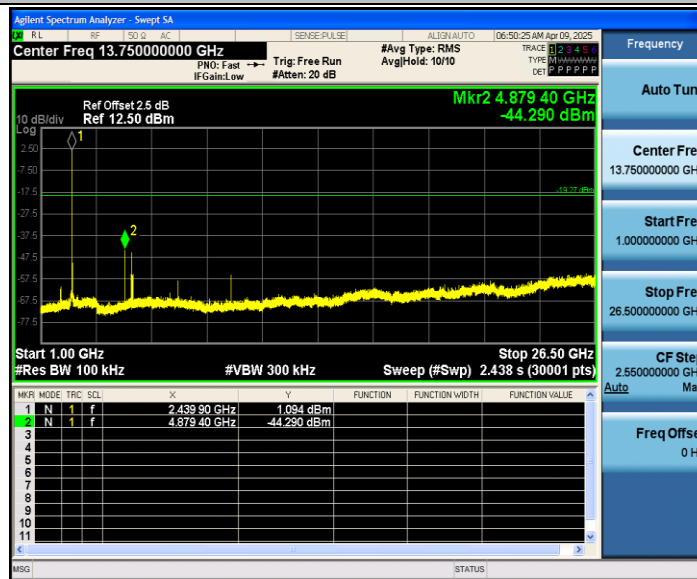
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



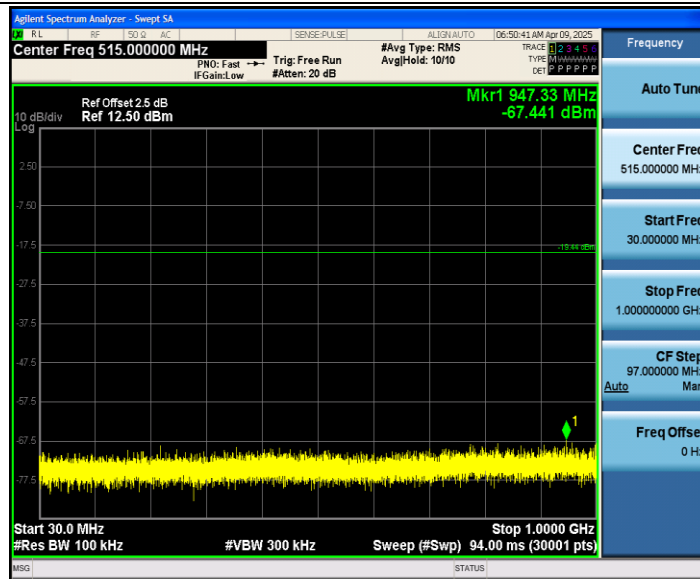
BLE_1M_Ant1_2440_1000~26500



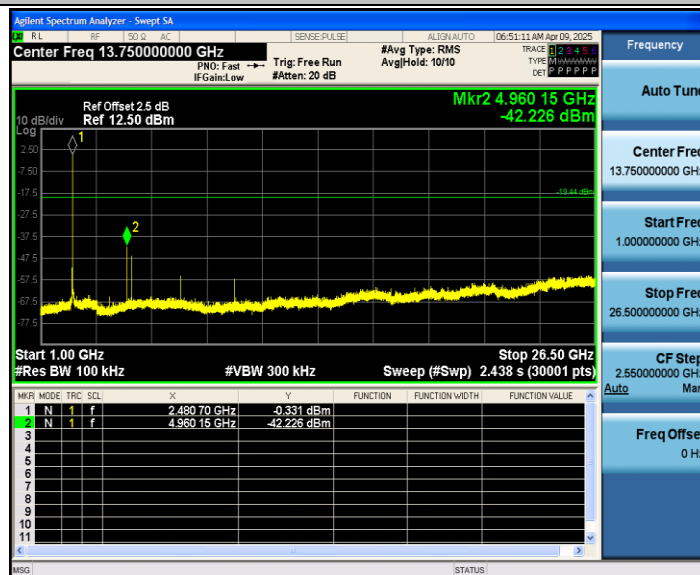
BLE_1M_Ant1_2480_0~Reference



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

