

Appendix RF Test Data for BLE

FCC ID : 2BLSG-MK358

Company : Shenzhen Unipin Technology Co., Ltd

EUT : Wireless 2.4G keyboard

Model Number : MK358

Report No. : CTA25081201101

Reviewed By : Eric Wang

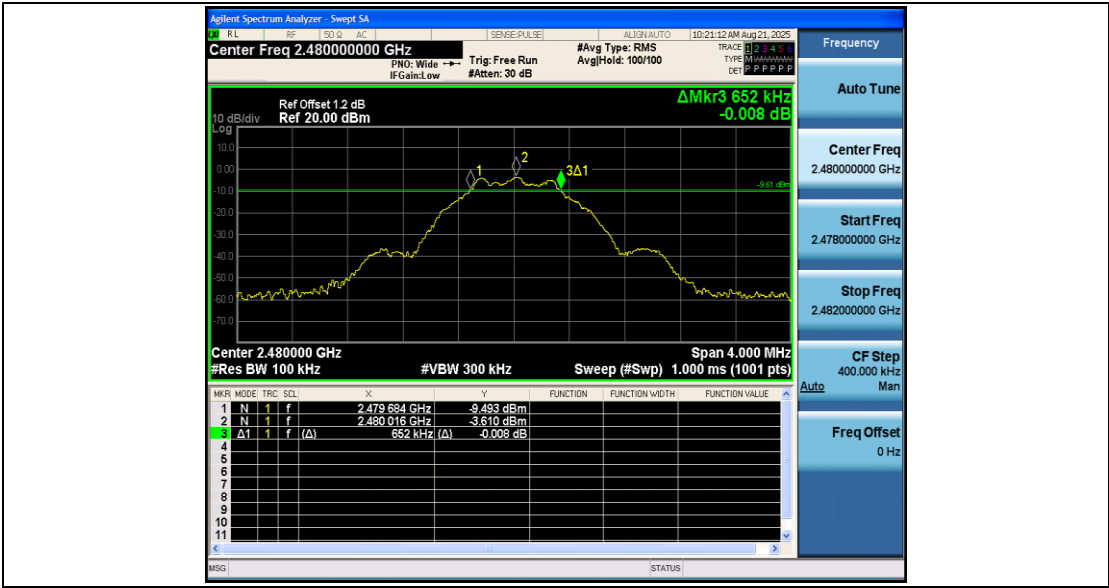
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.648	2401.692	2402.340	0.5	PASS
		2440	0.636	2439.696	2440.332	0.5	PASS
		2480	0.652	2479.684	2480.336	0.5	PASS

Test Graphs



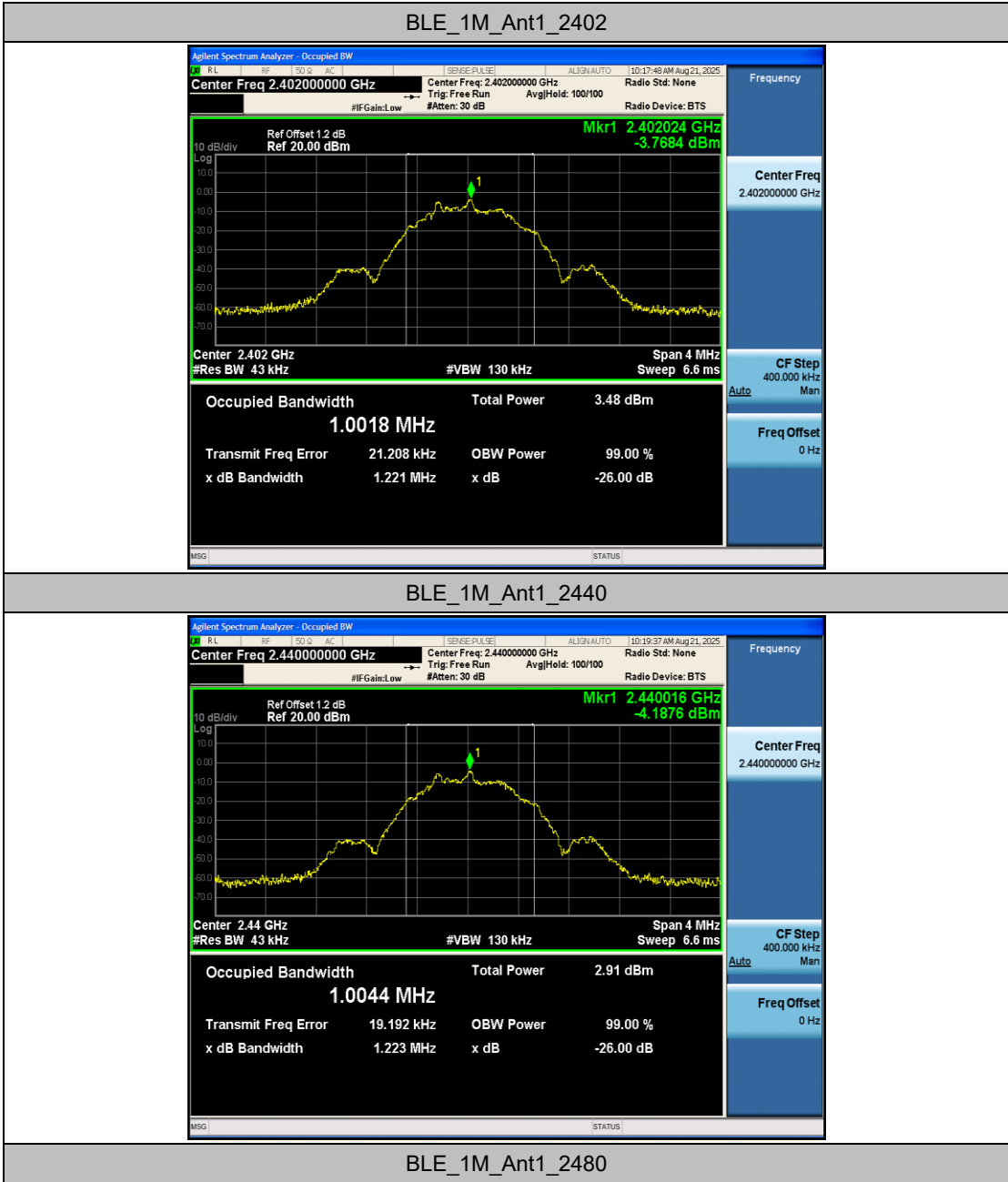


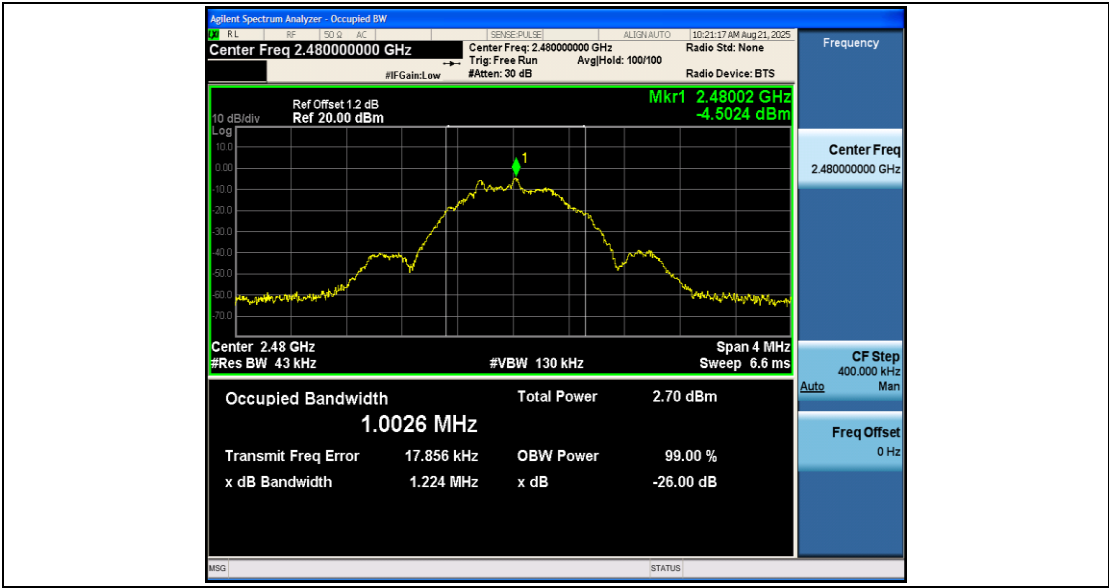
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0018	2401.5203	2402.5221	---	---
		2440	1.0044	2439.5170	2440.5214	---	---
		2480	1.0026	2479.5166	2480.5192	---	---

Test Graphs





Appendix C: Maximum conducted output power

Test Result Peak

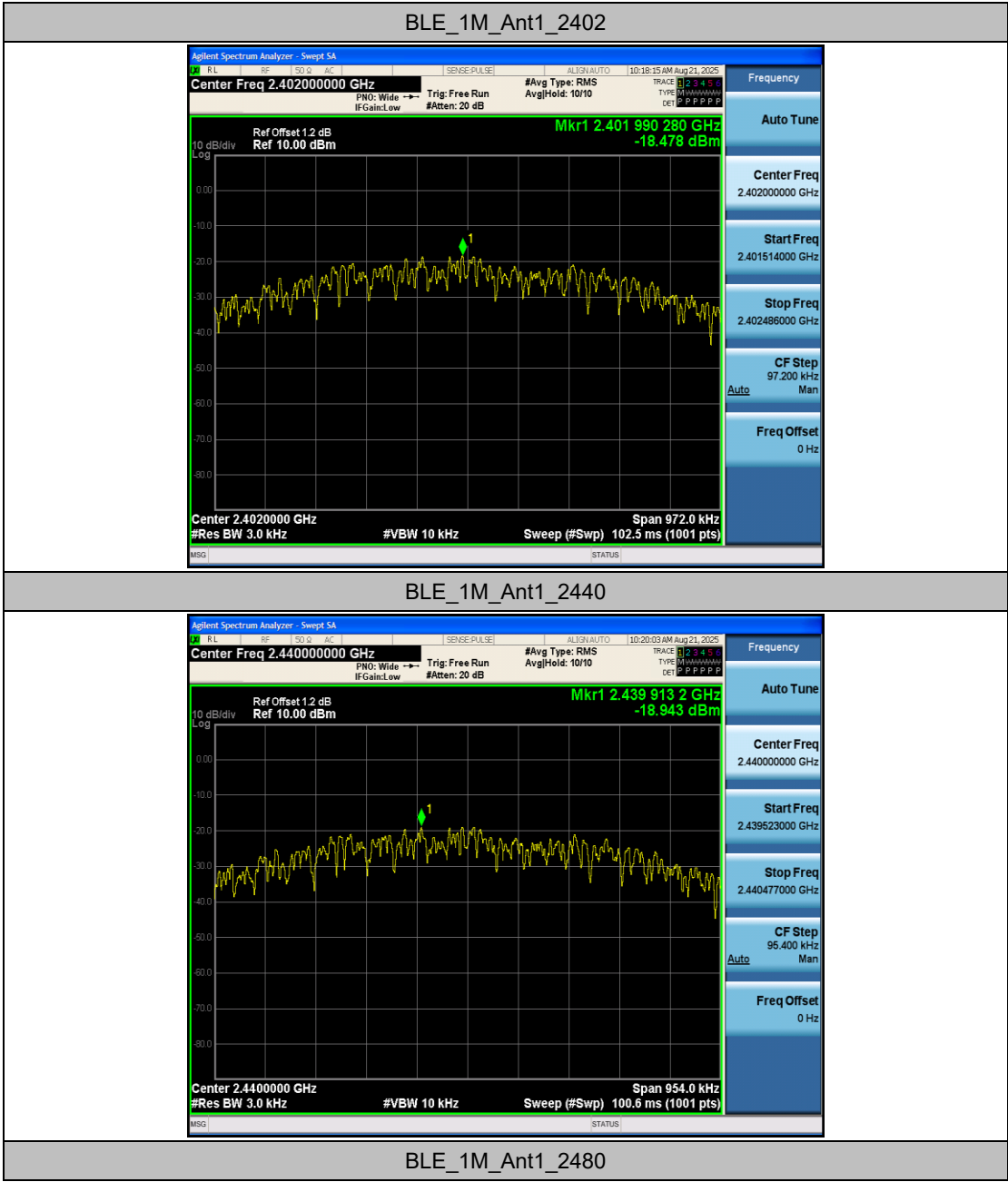
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-2.61	≤30	PASS
		2440	-3.16	≤30	PASS
		2480	-3.46	≤30	PASS

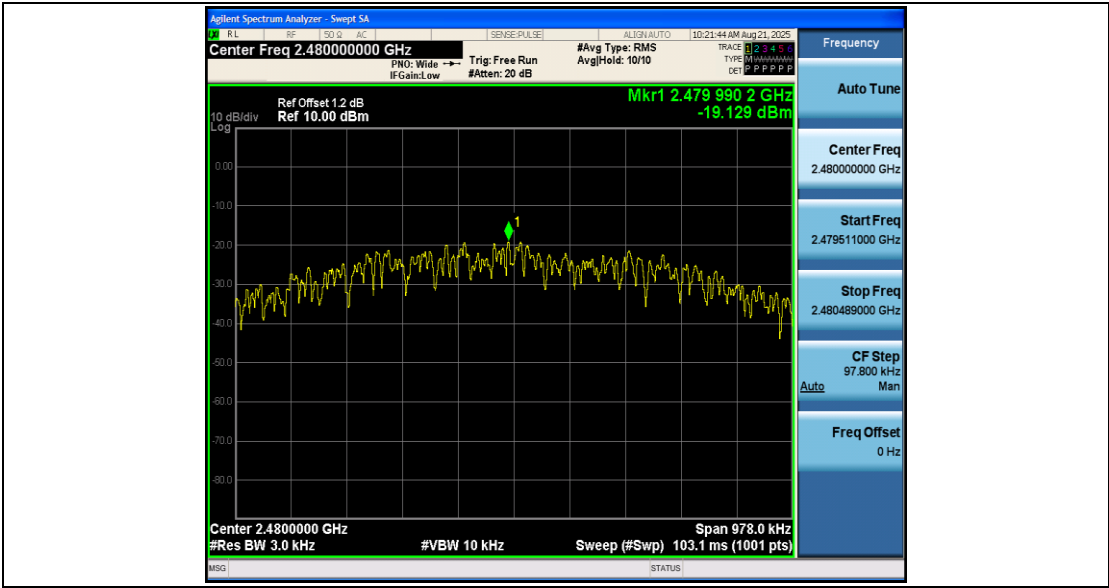
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.48	≤8.00	PASS
		2440	-18.94	≤8.00	PASS
		2480	-19.13	≤8.00	PASS

Test Graphs



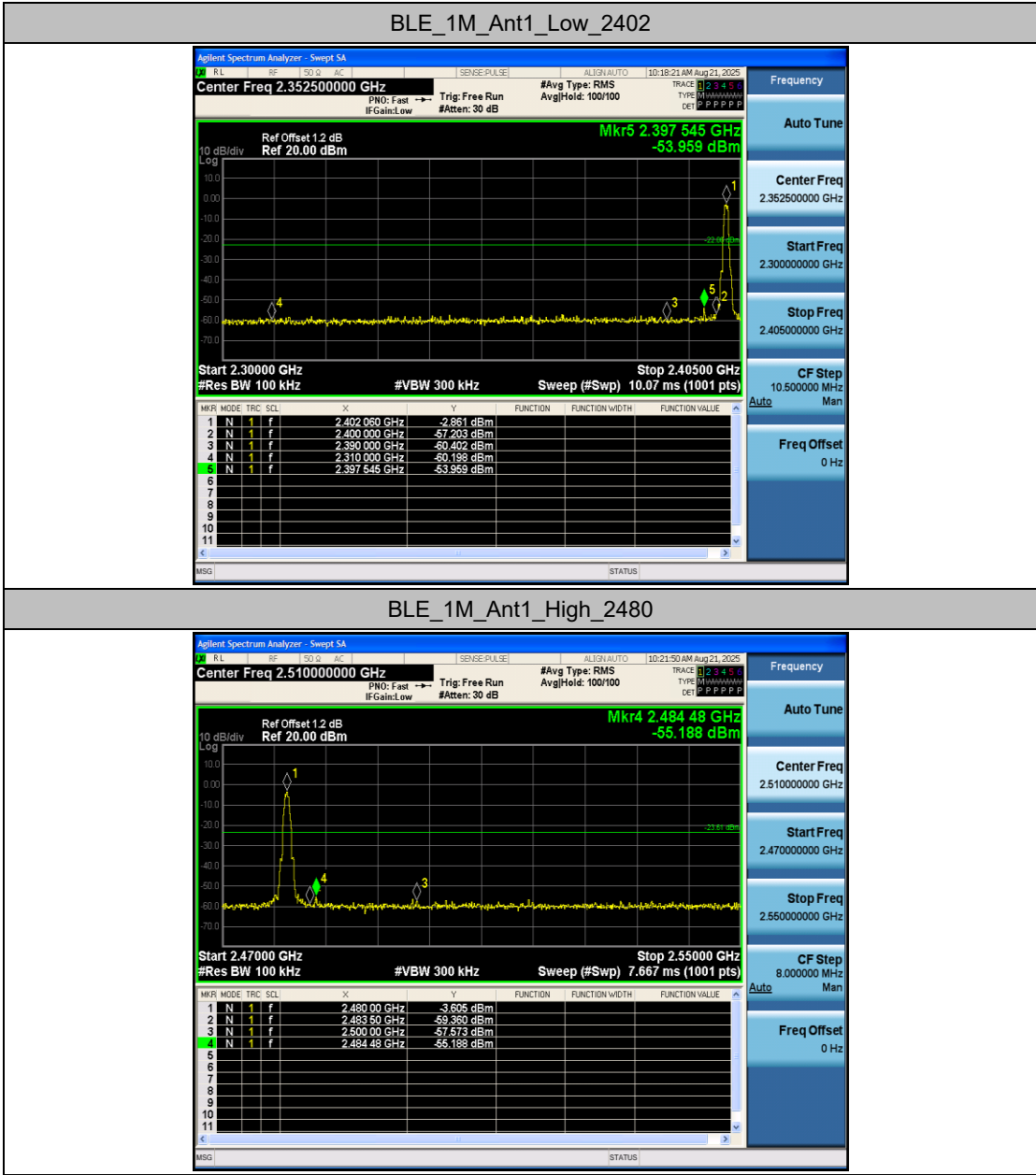


Appendix E: Band edge measurements

Test Result

TestMod e	Antenn a	ChNam e	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdic t
BLE_1M	Ant1	Low	2402	-2.86	-53.96	≤-22.86	PASS
		High	2480	-3.61	-55.19	≤-23.61	PASS

Test Graphs

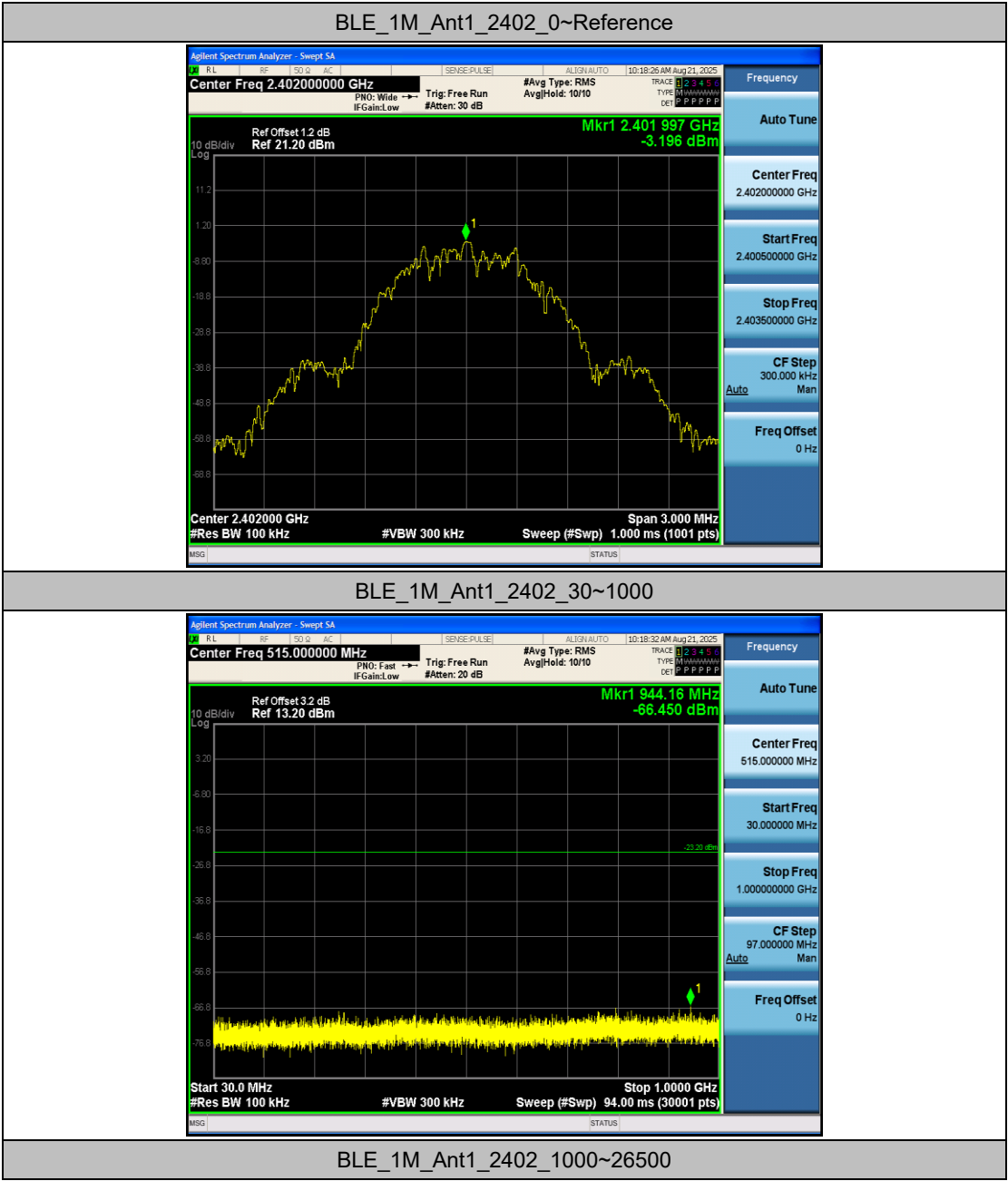


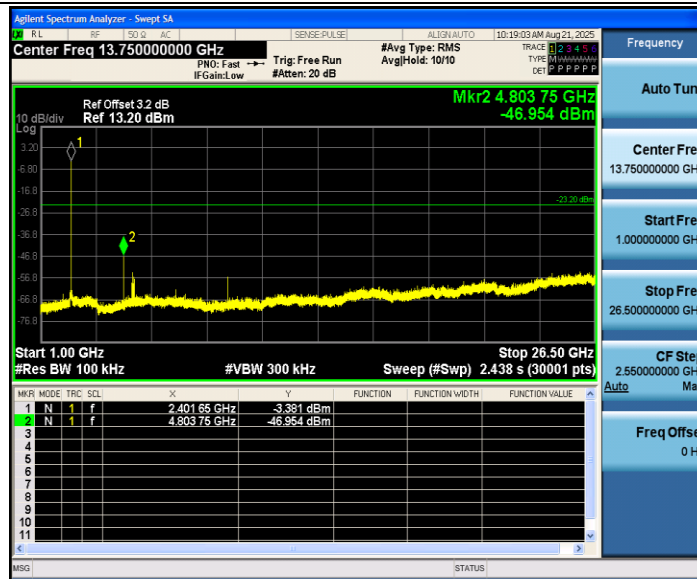
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-3.20	-3.20	---	PASS
			30~1000	-3.20	-66.45	≤-23.2	PASS
			1000~26500	-3.20	-46.95	≤-23.2	PASS
		2440	Reference	-4.77	-4.77	---	PASS
			30~1000	-4.77	-67.34	≤-24.77	PASS
			1000~26500	-4.77	-46.4	≤-24.77	PASS
		2480	Reference	-3.72	-3.72	---	PASS
			30~1000	-3.72	-67.1	≤-23.72	PASS
			1000~26500	-3.72	-45.51	≤-23.72	PASS

Test Graphs

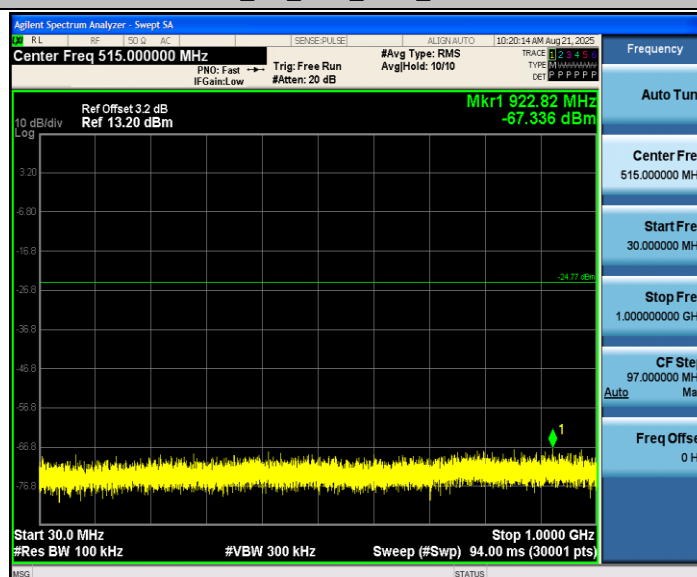




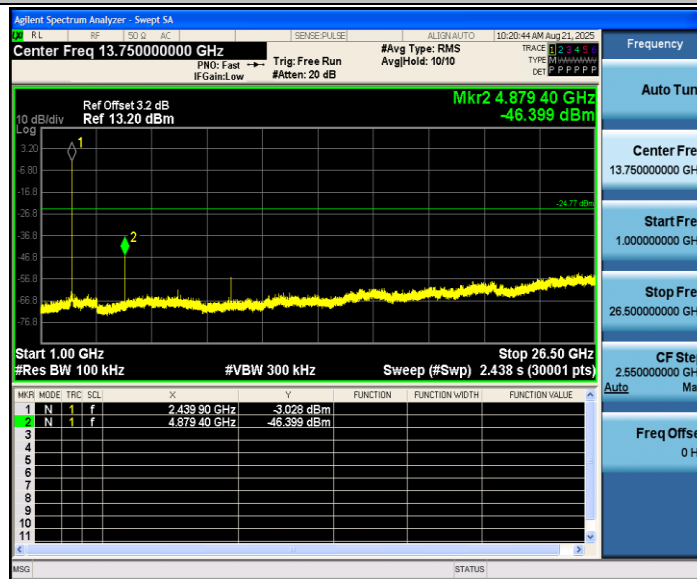
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



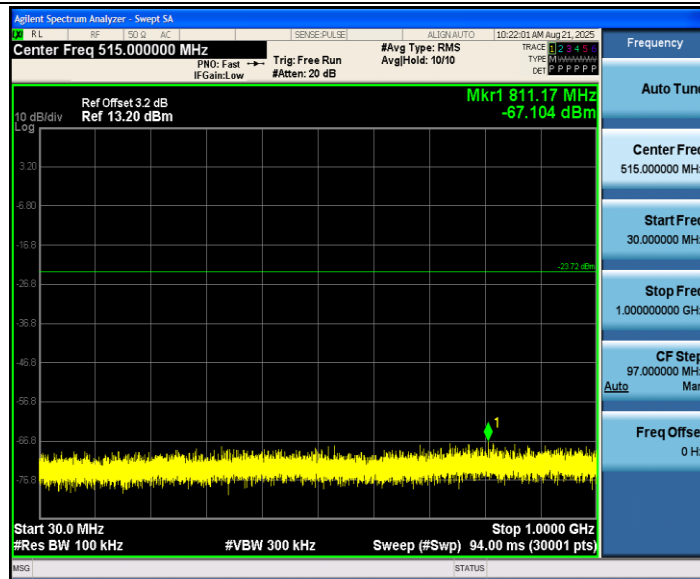
BLE_1M_Ant1_2440_1000~26500



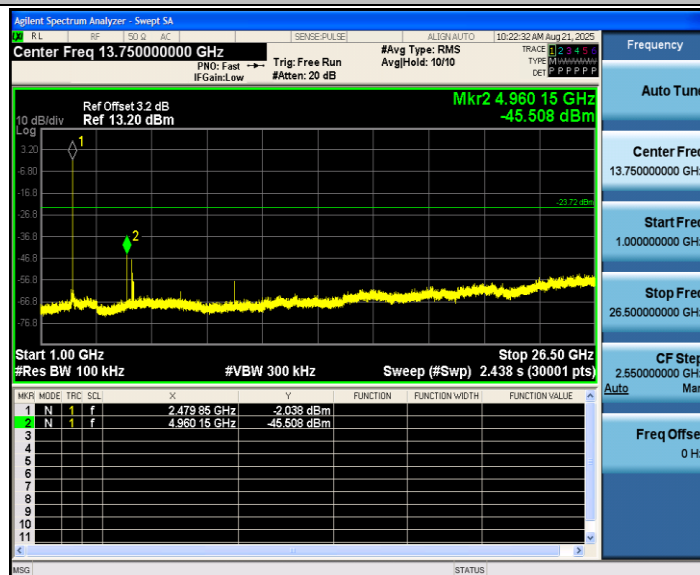
BLE_1M_Ant1_2480_0~Reference



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	0.62	0.6613	66.13	1.80	---	---
		2480	0.41	0.63	0.6508	65.08	1.87	---	---

Test Graphs

