

FCC Appendix RF Test Data for BLE

FCC ID : 2AT9T-ARMORWATCHPRO

Company : Shenzhen Ulefone Technology Co., Ltd.

EUT : smart watch

Model Number : Armor Watch Pro

Report No. : CTA25102200101

Reviewed By : Eric Wang

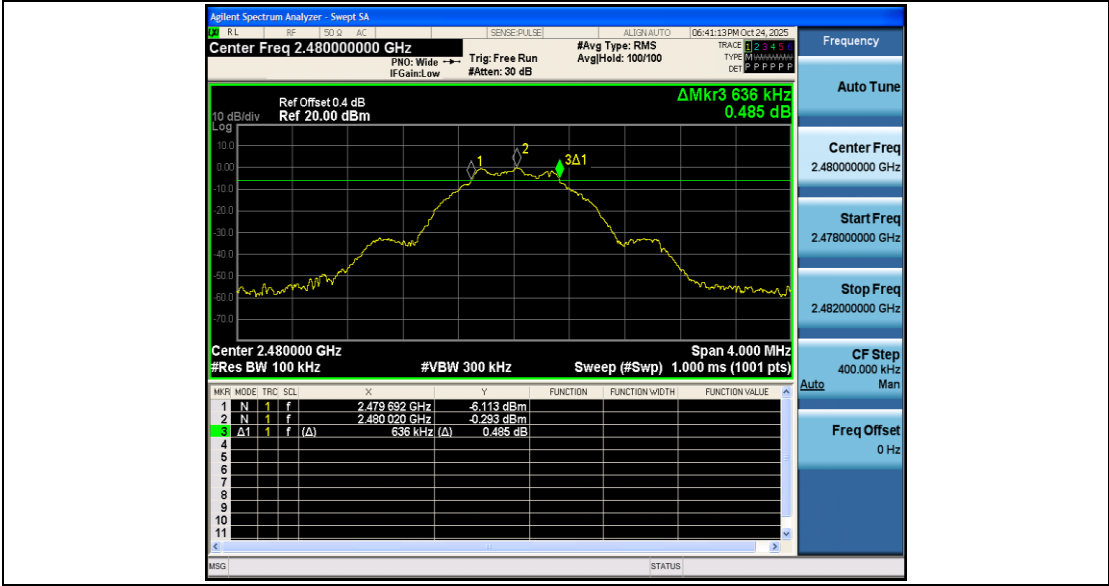
Appendix A: DTS Bandwidth

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	0.648	2439.688	2440.336	0.5	PASS
		2480	0.636	2479.692	2480.328	0.5	PASS

Test Graphs



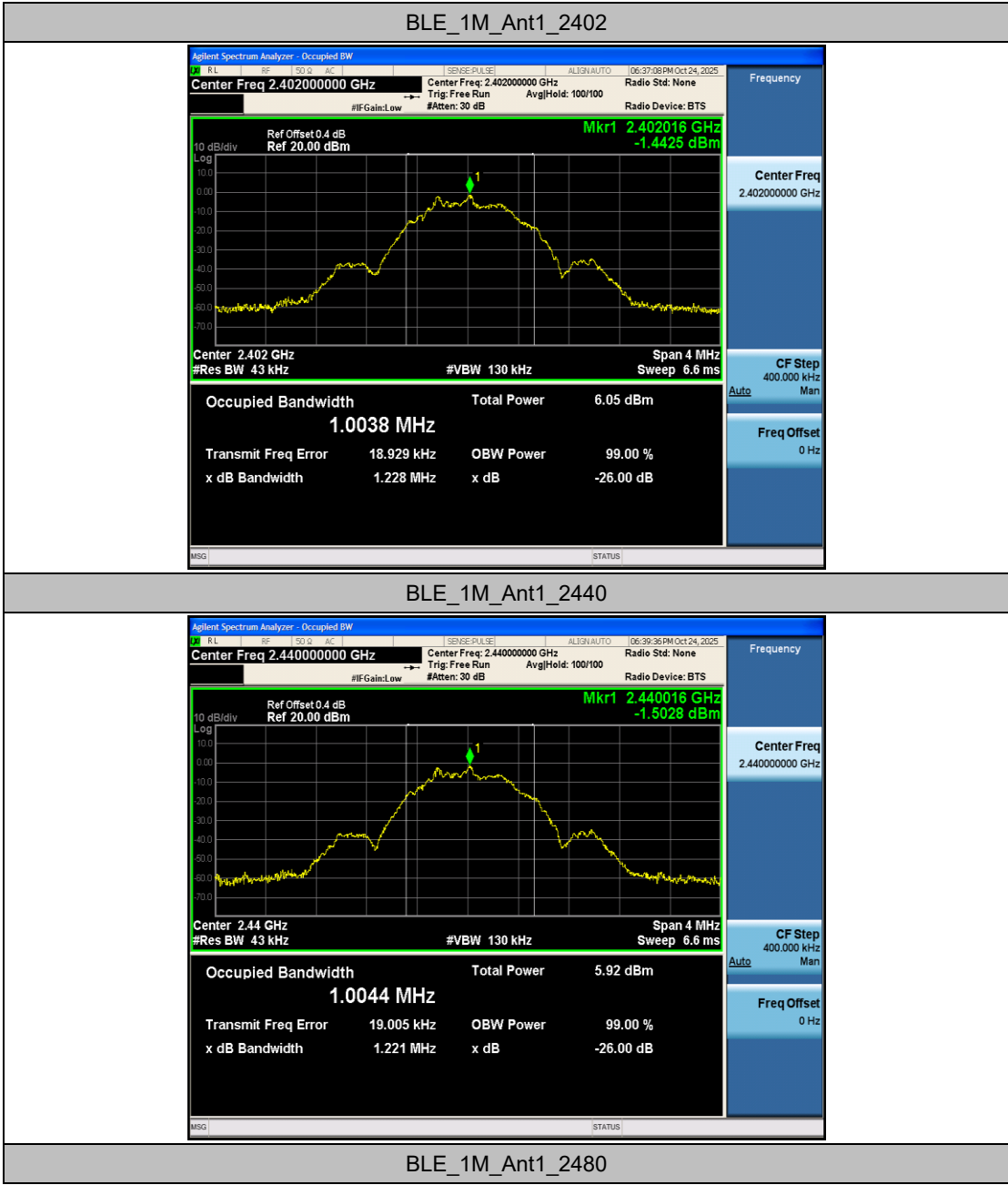


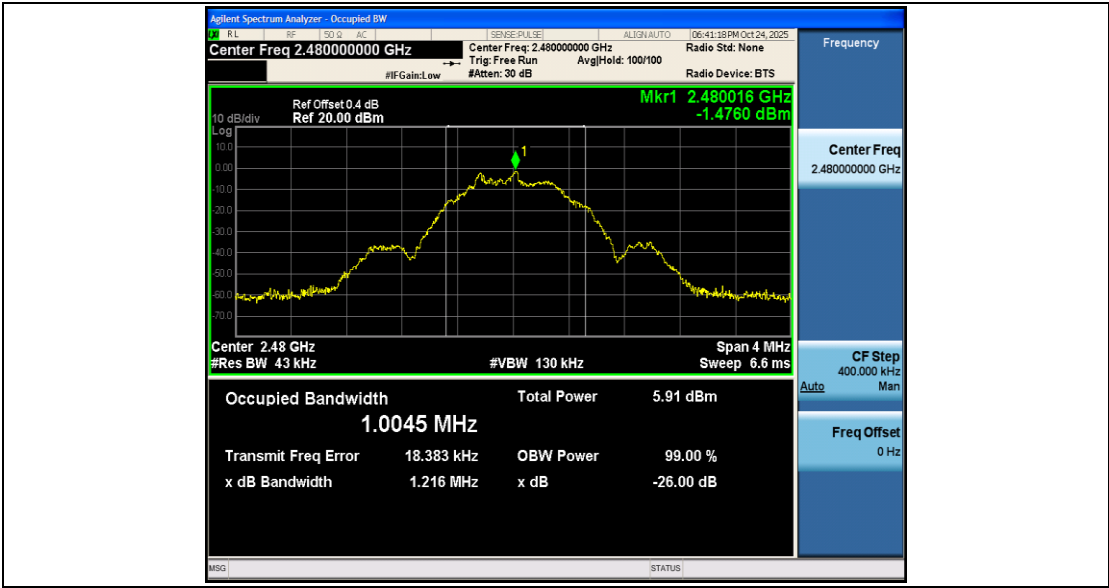
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0038	2401.5170	2402.5208	---	---
		2440	1.0044	2439.5168	2440.5212	---	---
		2480	1.0045	2479.5161	2480.5206	---	---

Test Graphs





Appendix C: Maximum conducted output power

Test Result Peak

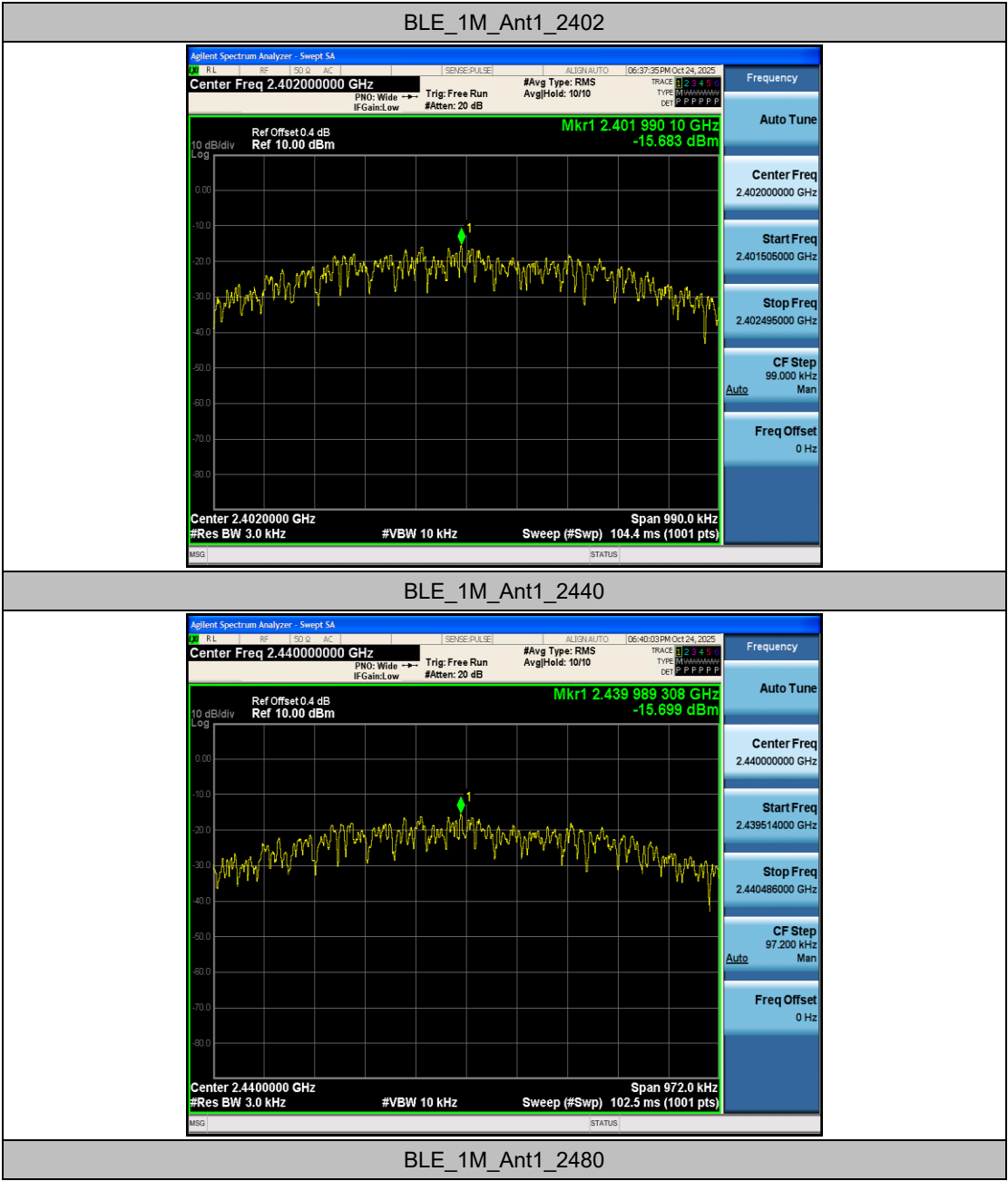
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.11	≤30	PASS
		2440	-0.31	≤30	PASS
		2480	-0.19	≤30	PASS

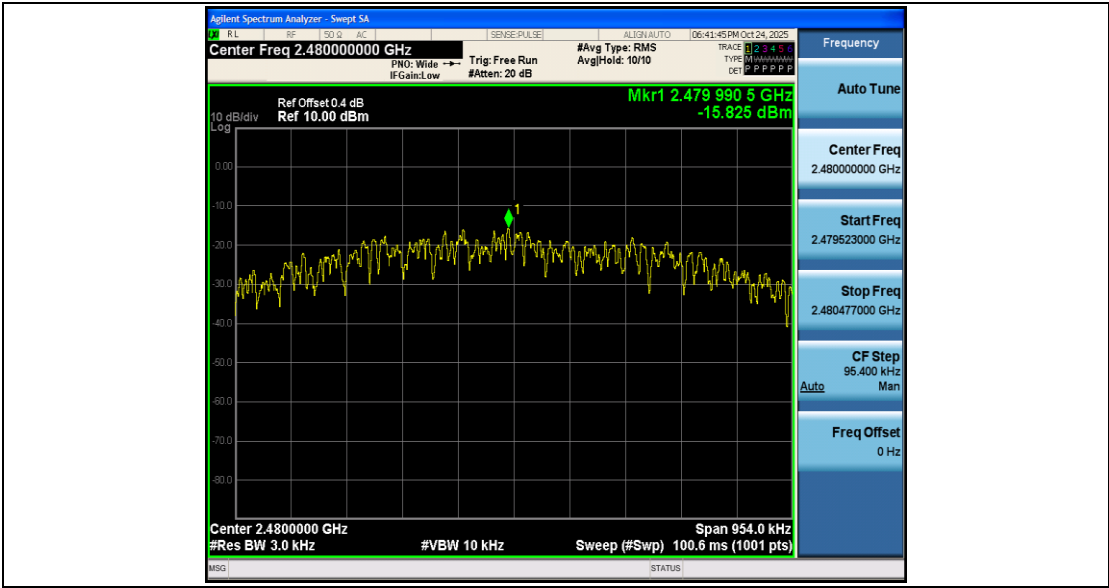
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.68	≤8.00	PASS
		2440	-15.70	≤8.00	PASS
		2480	-15.83	≤8.00	PASS

Test Graphs



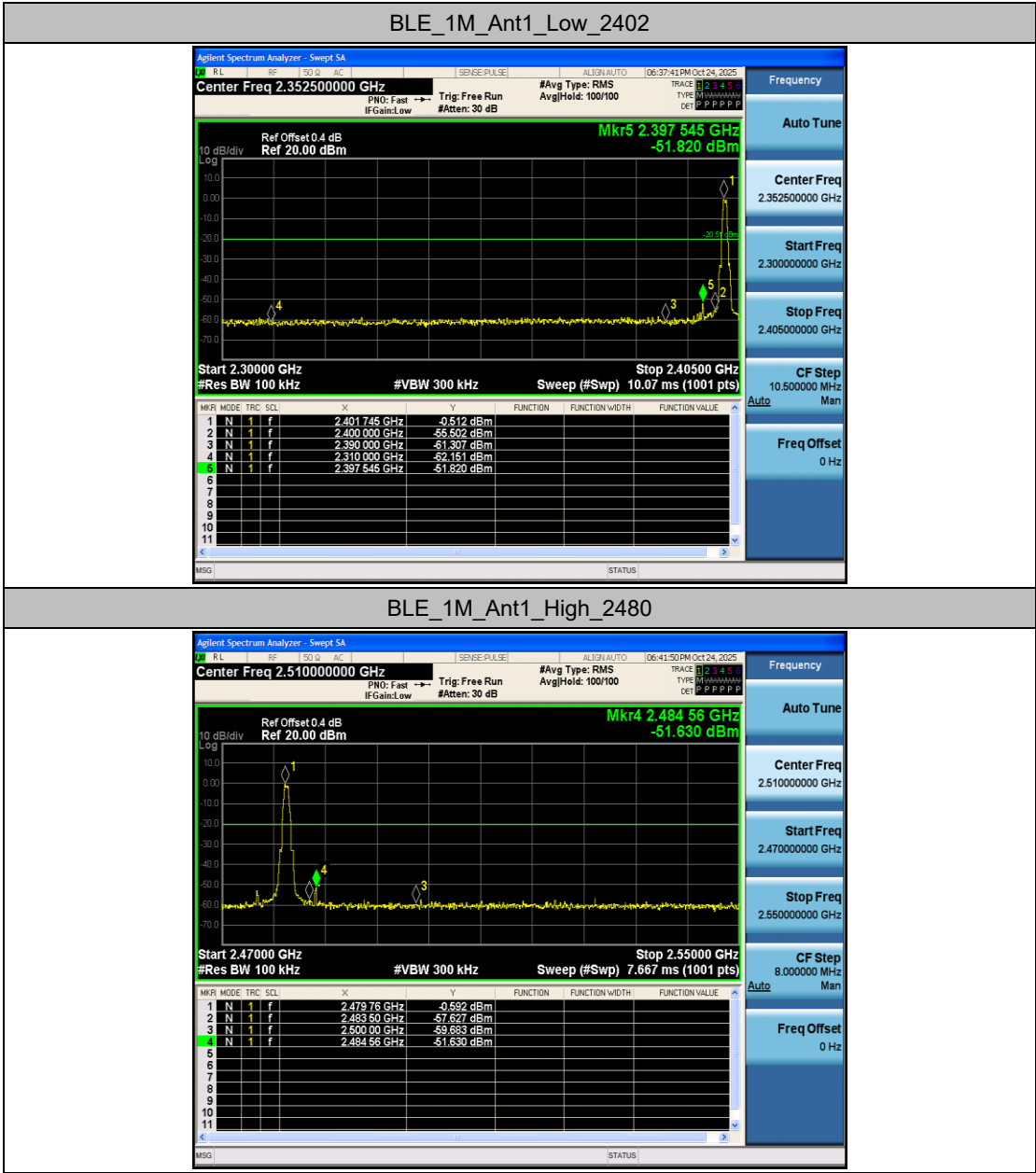


Appendix E: Band edge measurements

Test Result

TestMod e	Antenn a	ChNam e	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdic t
BLE_1M	Ant1	Low	2402	-0.51	-51.82	≤-20.51	PASS
		High	2480	-0.59	-51.63	≤-20.59	PASS

Test Graphs

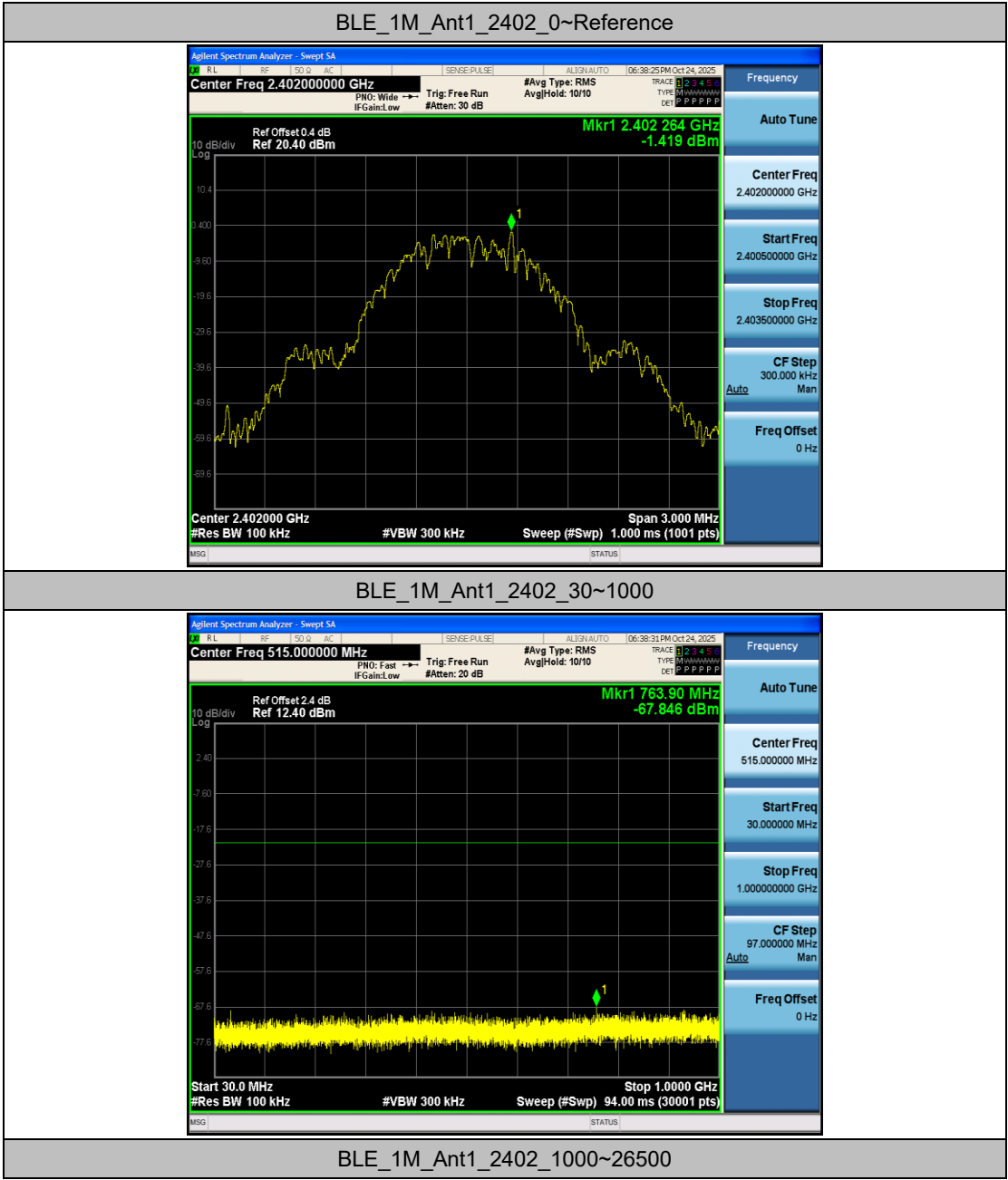


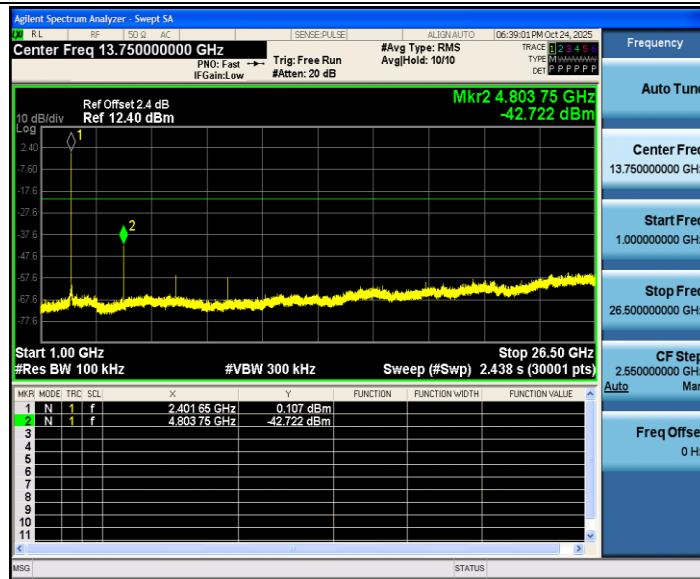
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-1.42	-1.42	---	PASS
			30~1000	-1.42	-67.85	≤-21.42	PASS
			1000~26500	-1.42	-42.72	≤-21.42	PASS
		2440	Reference	-2.33	-2.33	---	PASS
			30~1000	-2.33	-68.1	≤-22.33	PASS
			1000~26500	-2.33	-43.8	≤-22.33	PASS
		2480	Reference	-1.79	-1.79	---	PASS
			30~1000	-1.79	-67.35	≤-21.79	PASS
			1000~26500	-1.79	-42.28	≤-21.79	PASS

Test Graphs

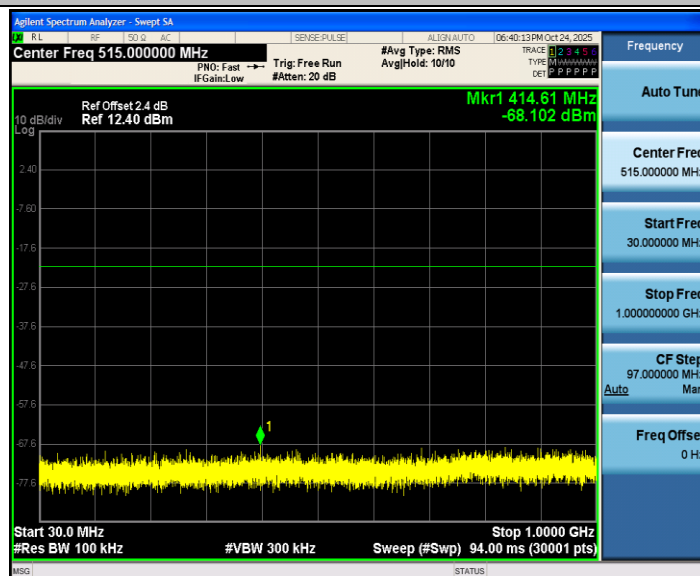




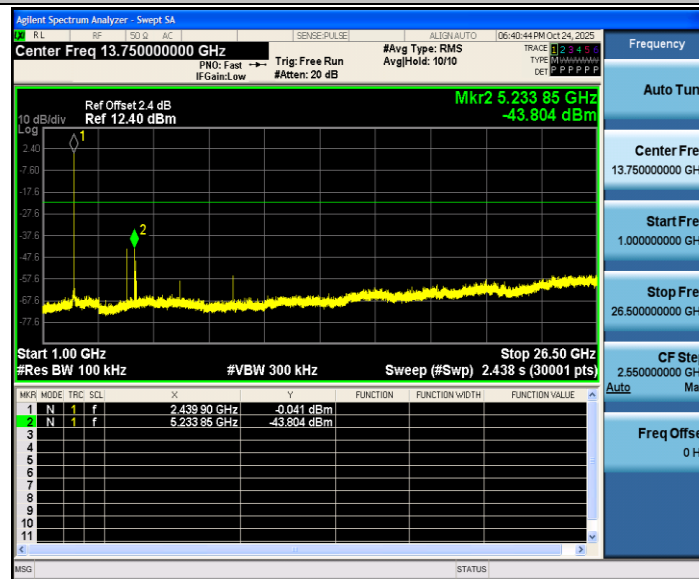
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



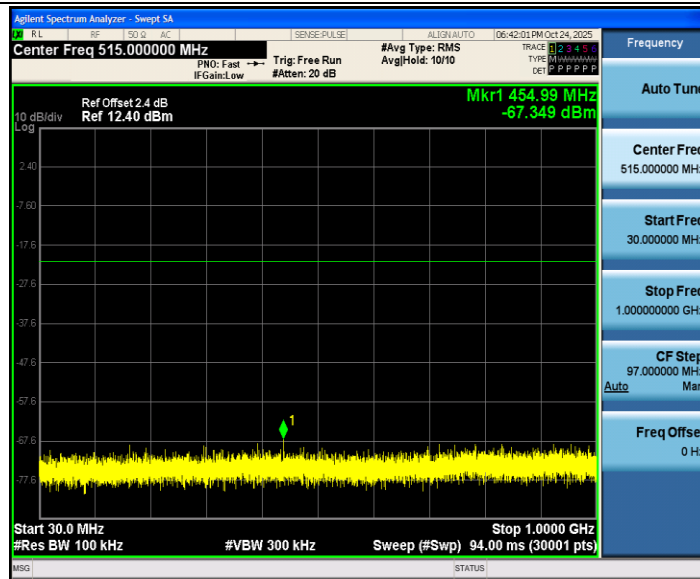
BLE_1M_Ant1_2440_1000~26500



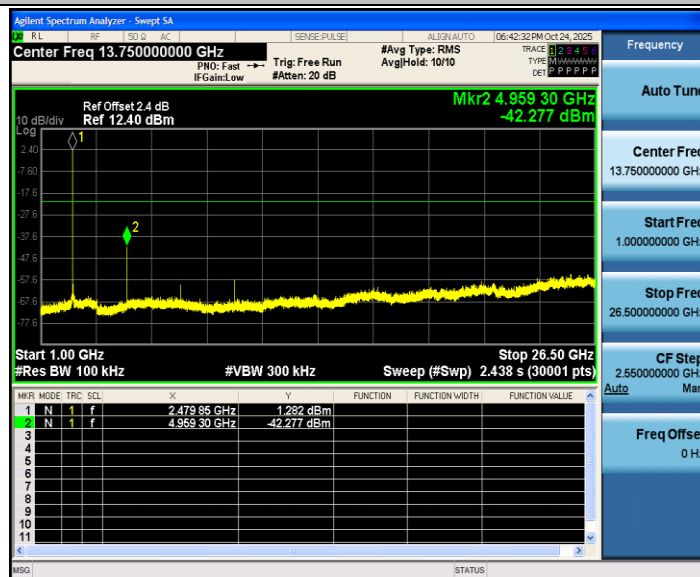
BLE_1M_Ant1_2480_0~Reference



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	0.62	0.6613	66.13	1.80	---	---
		2440	0.41	0.62	0.6613	66.13	1.80	---	---
		2480	0.41	0.62	0.6613	66.13	1.80	---	---

Test Graphs

