

FCC Appendix RF Test Data

FCC ID : **2BF3Z-G69**

Company: : **Shenzhen Taiyang Technology Co., Ltd**

EUT : **Smart Watch**

Model Number : **G69**

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	0.668	2401.672	2402.340	0.5	PASS
		2440	0.636	2439.684	2440.320	0.5	PASS
		2480	0.664	2479.676	2480.340	0.5	PASS

Test Graphs

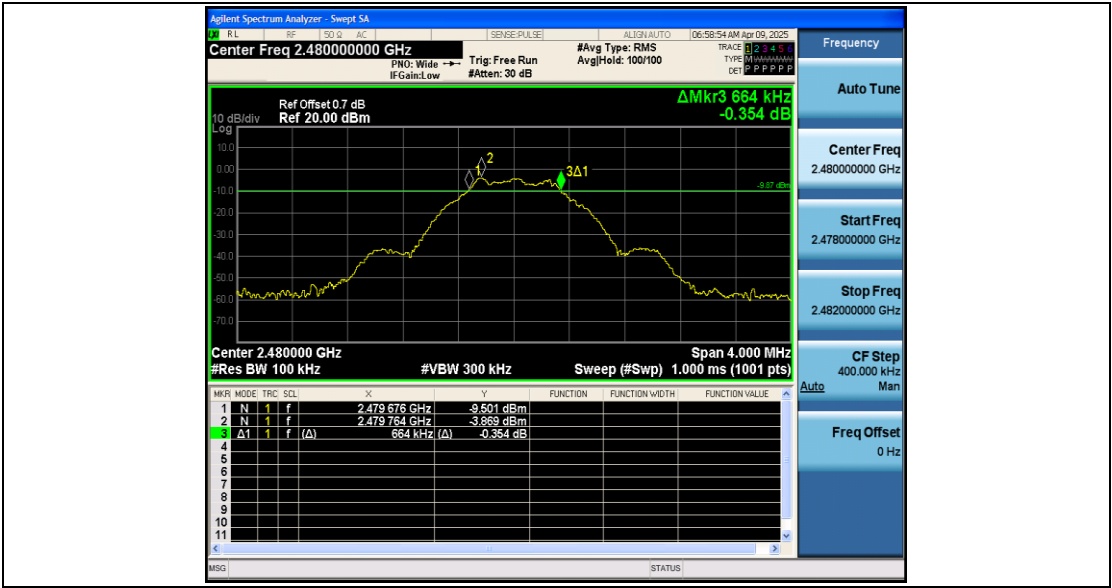
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

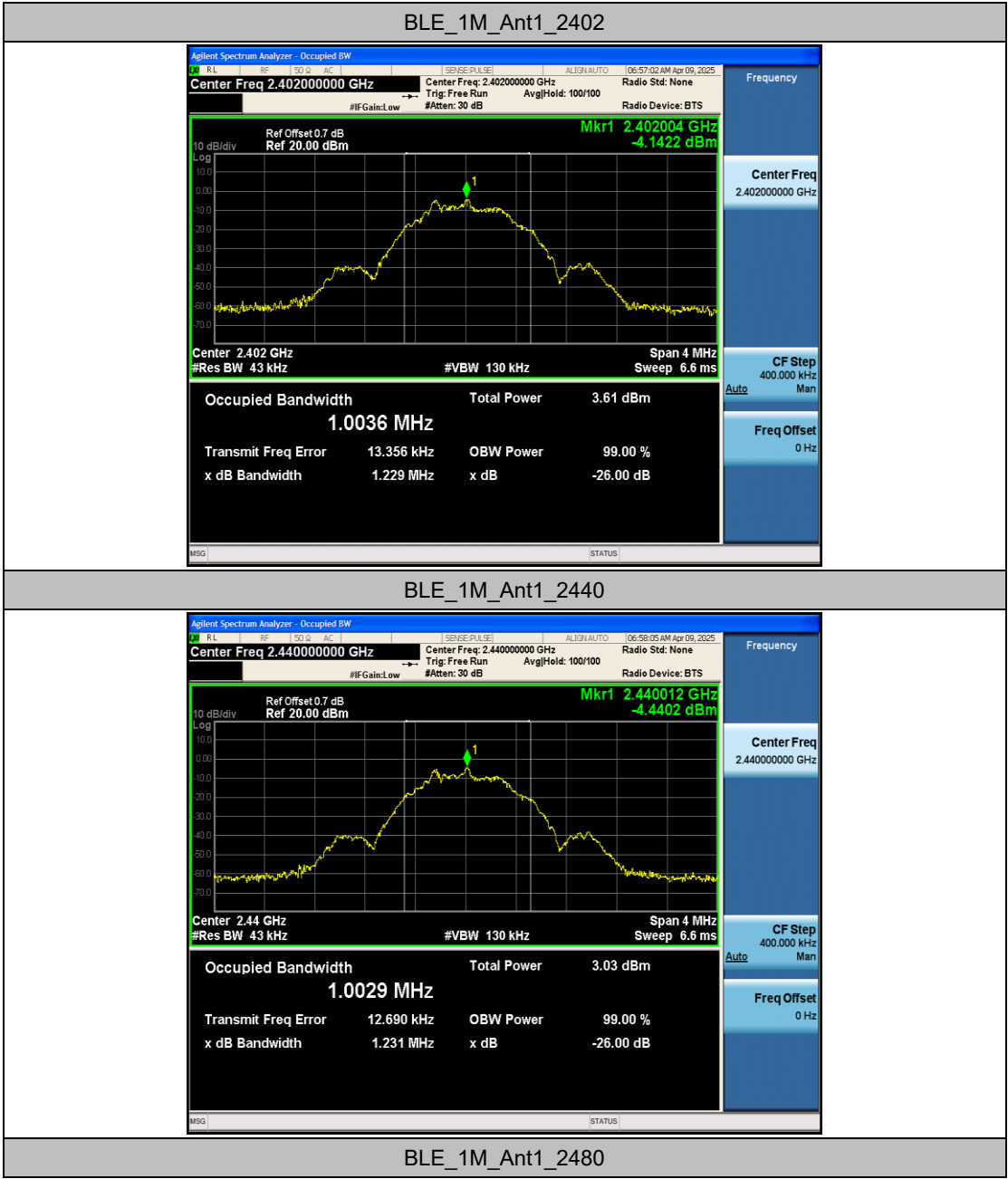


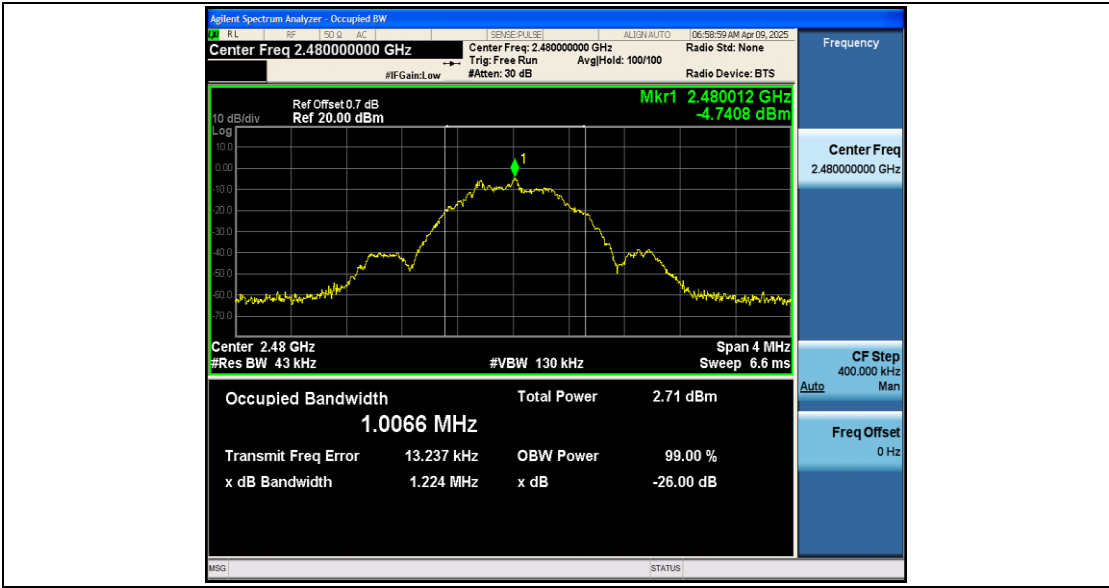
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0036	2401.5116	2402.5152	---	---
		2440	1.0029	2439.5112	2440.5141	---	---
		2480	1.0066	2479.5099	2480.5165	---	---

Test Graphs





Appendix C: Maximum conducted output power

Test Result Peak

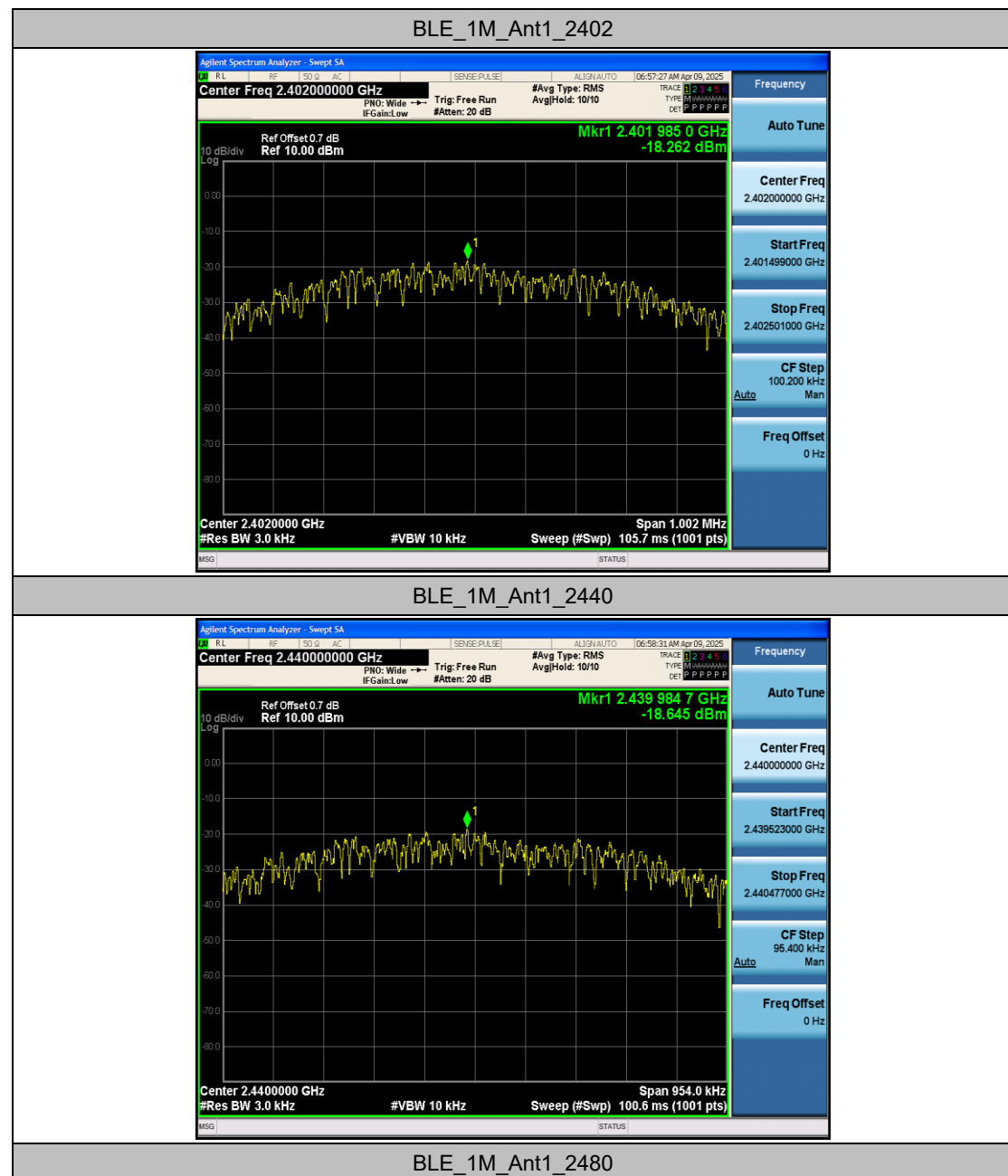
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-2.57	≤30	PASS
		2440	-3.22	≤30	PASS
		2480	-3.50	≤30	PASS

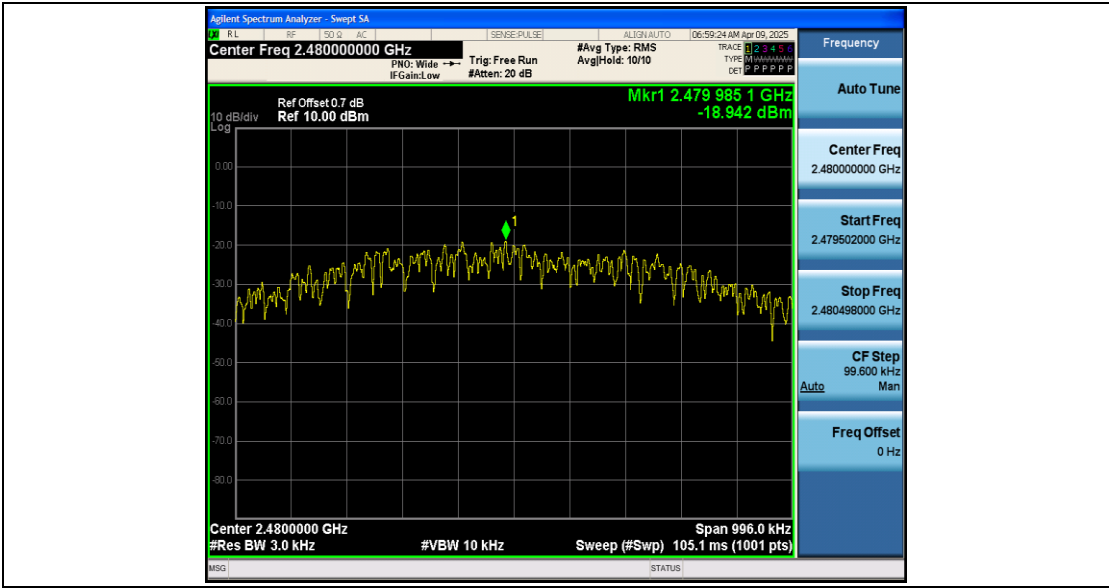
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.26	≤8.00	PASS
		2440	-18.65	≤8.00	PASS
		2480	-18.94	≤8.00	PASS

Test Graphs



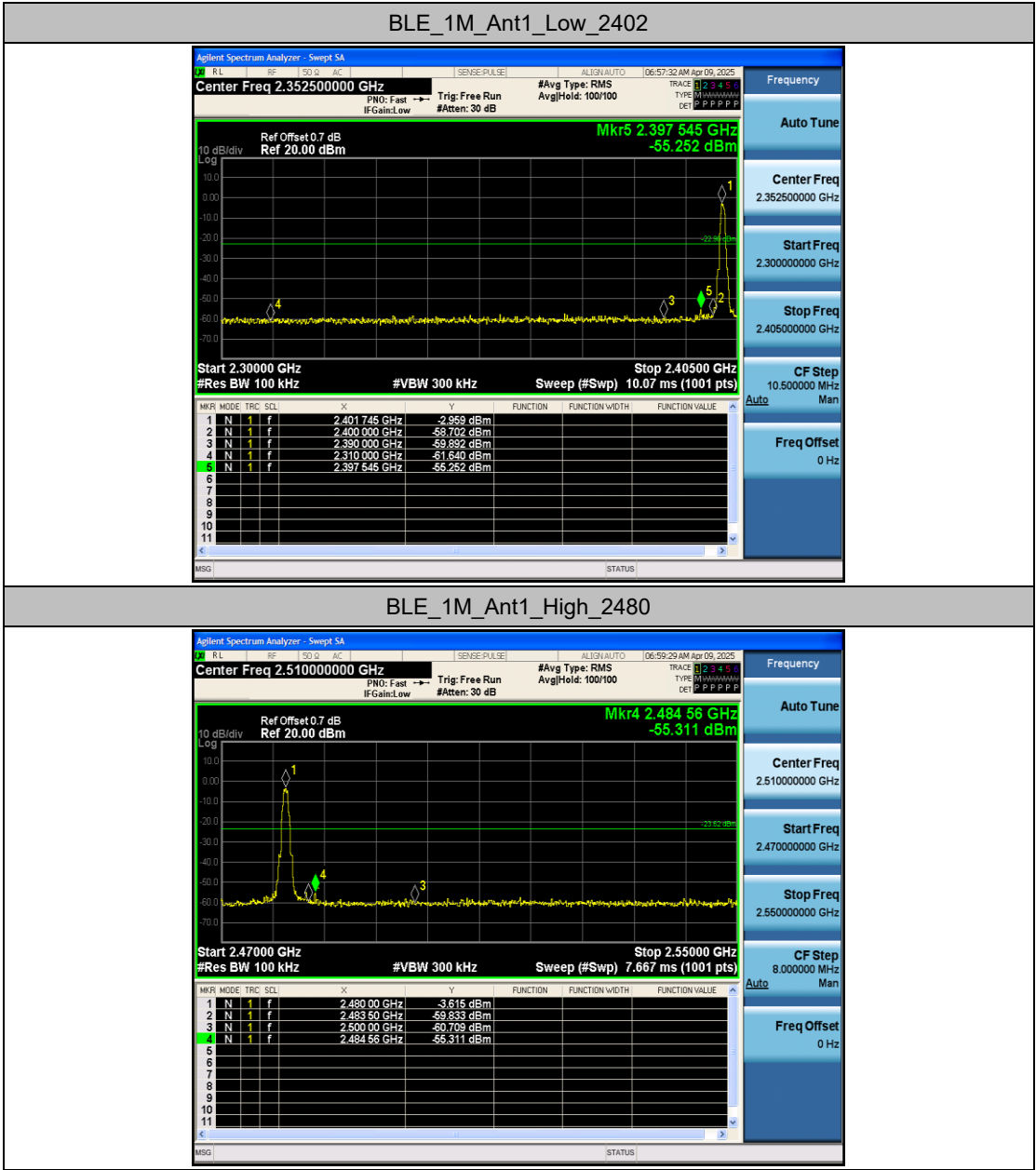


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.96	-55.25	≤ -22.96	PASS
		High	2480	-3.62	-55.31	≤ -23.62	PASS

Test Graphs

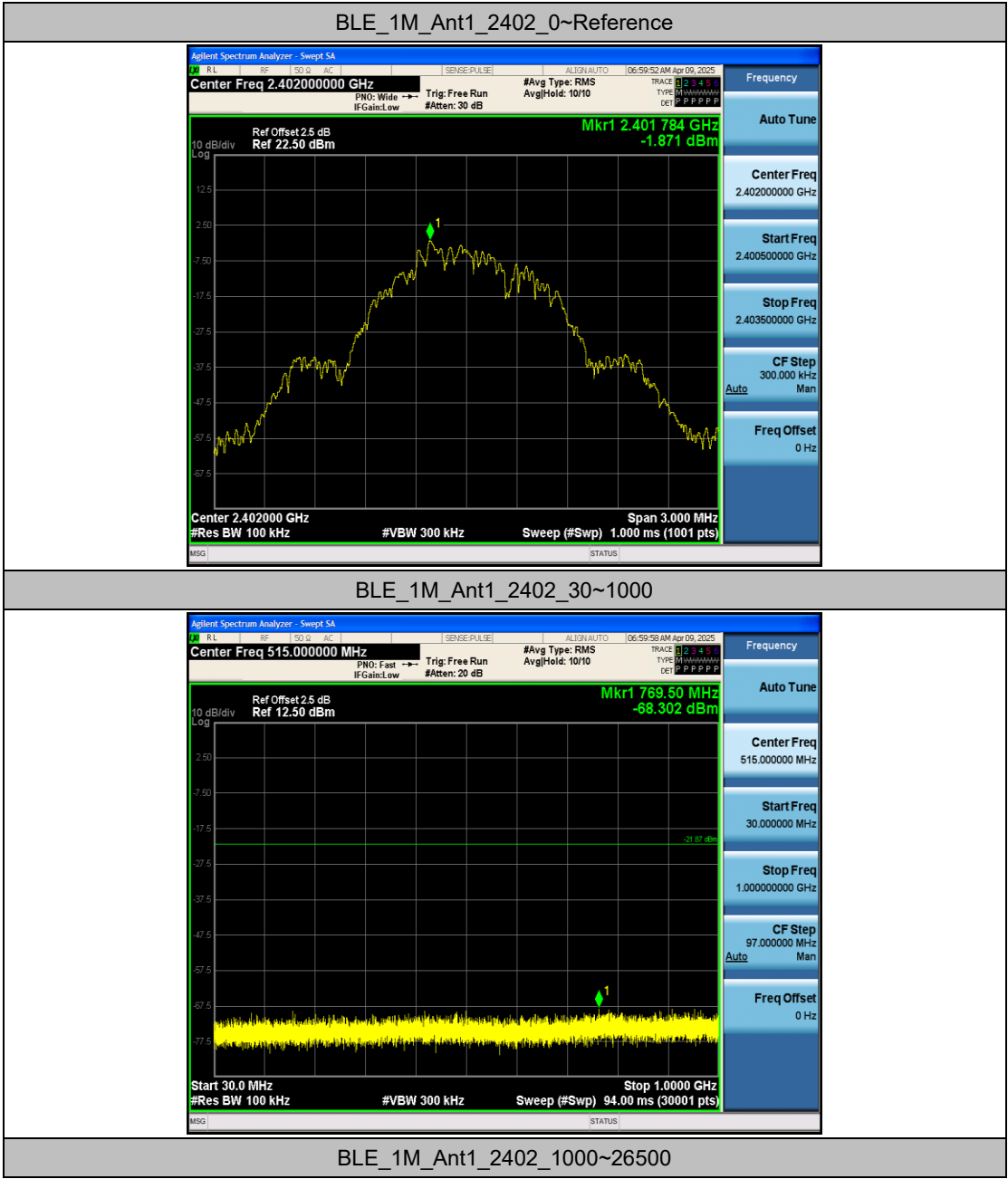


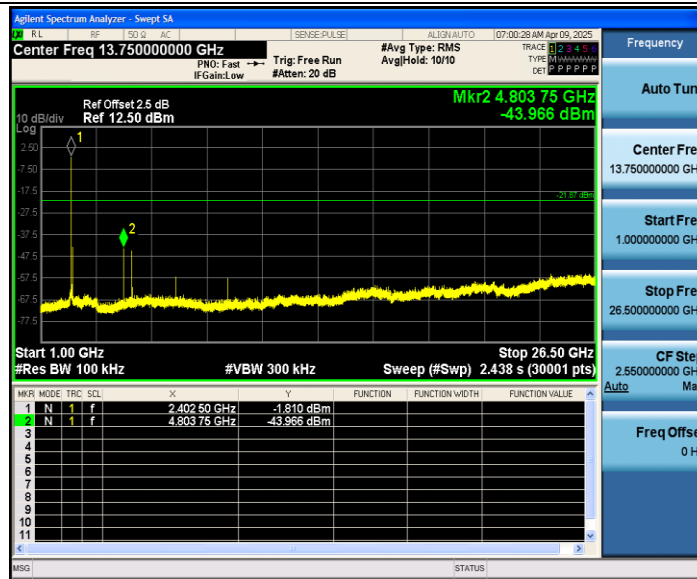
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-1.87	-1.87	---	PASS
			30~1000	-1.87	-68.3	≤-21.87	PASS
			1000~26500	-1.87	-43.97	≤-21.87	PASS
		2440	Reference	-3.15	-3.15	---	PASS
			30~1000	-3.15	-68.25	≤-23.15	PASS
			1000~26500	-3.15	-47.87	≤-23.15	PASS
		2480	Reference	-2.92	-2.92	---	PASS
			30~1000	-2.92	-67.53	≤-22.92	PASS
			1000~26500	-2.92	-45.93	≤-22.92	PASS

Test Graphs

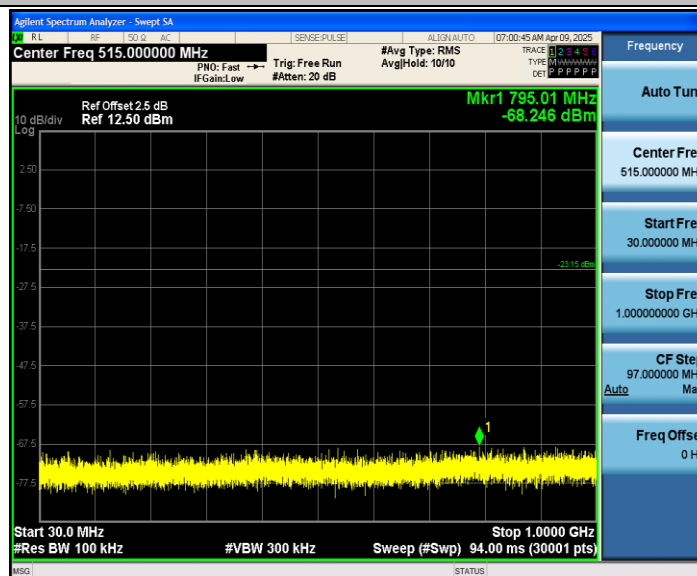




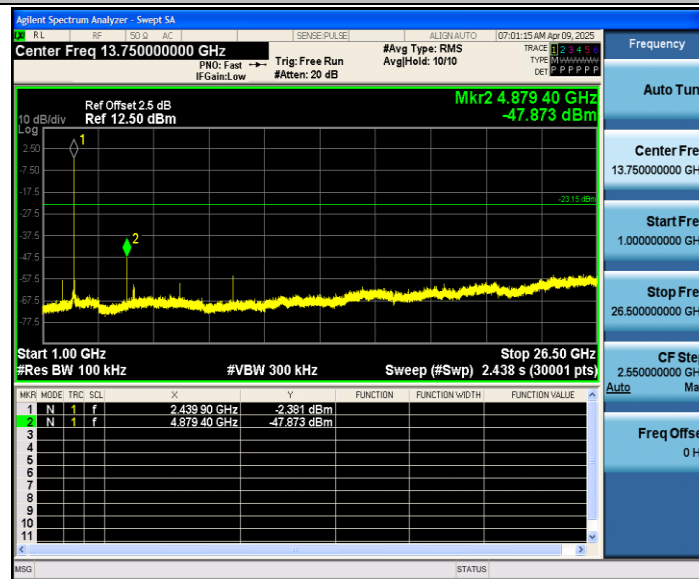
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



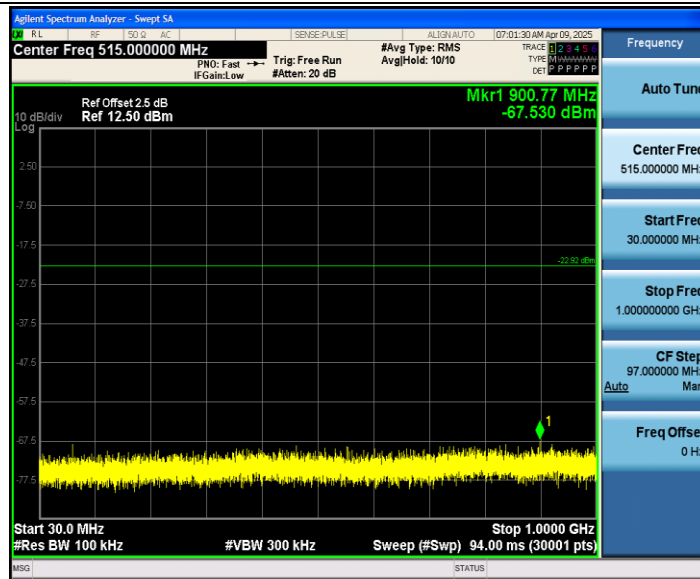
BLE_1M_Ant1_2440_1000~26500



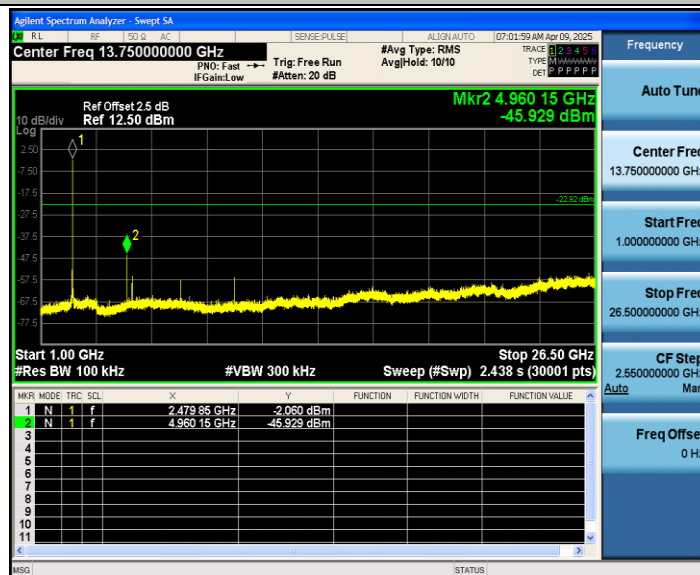
BLE_1M_Ant1_2480_0~Reference



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

