

FCC Appendix RF Test Data

FCC ID : 2BQXB-SW01

Company : Shenzhen Xunchitong Technology Co., Ltd.

EUT : Smart Watch

Model Number : SW01

Report No. : CTA25070800301

Reviewed By : Eric Wang

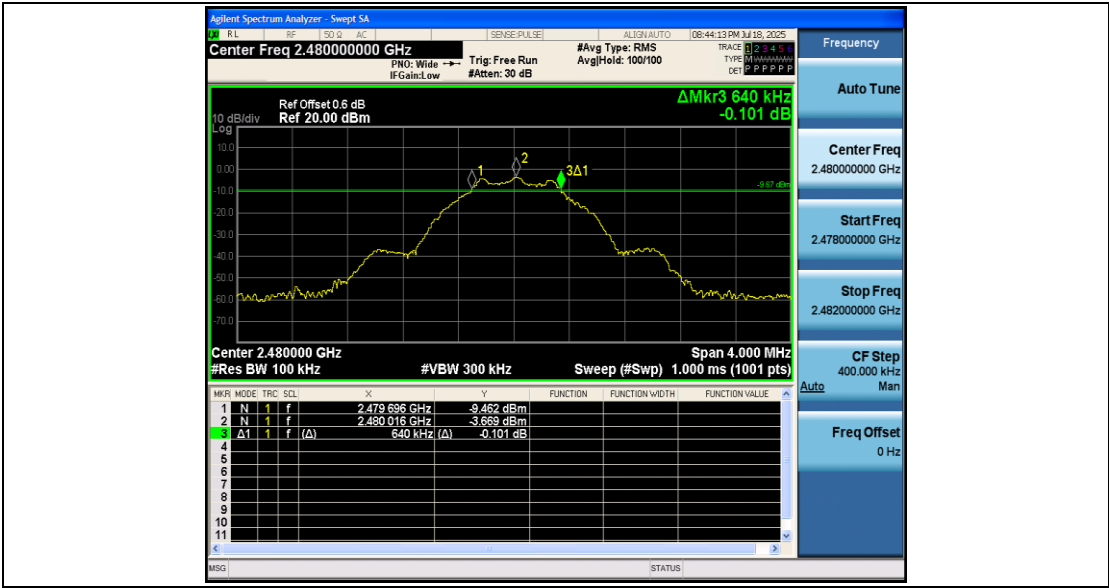
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.644	2401.692	2402.336	0.5	PASS
		2440	0.640	2439.692	2440.332	0.5	PASS
		2480	0.640	2479.696	2480.336	0.5	PASS

Test Graphs





Appendix B: Occupied Channel Bandwidth

Test Result

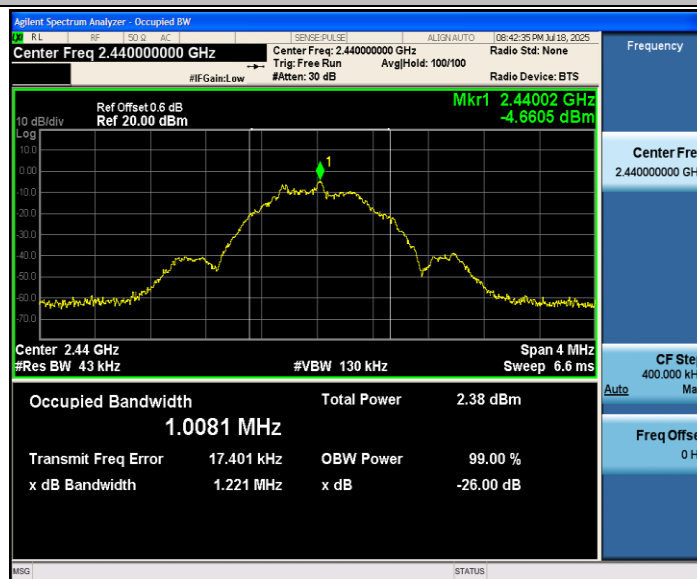
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0068	2401.5167	2402.5235	---	---
		2440	1.0081	2439.5134	2440.5215	---	---
		2480	1.0055	2479.5177	2480.5232	---	---

Test Graphs

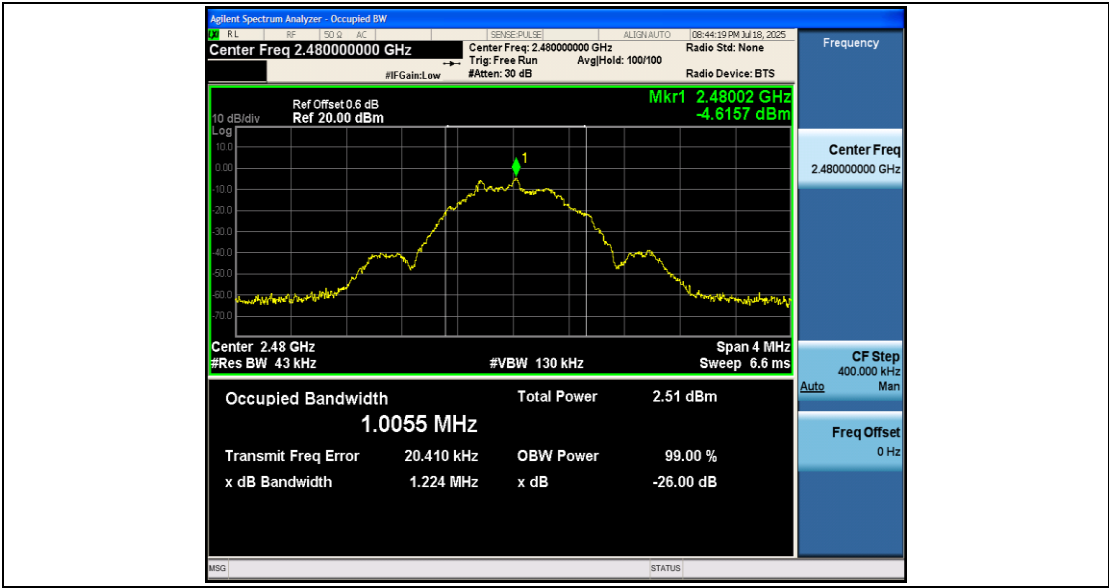
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



Appendix C: Maximum conducted output power

Test Result

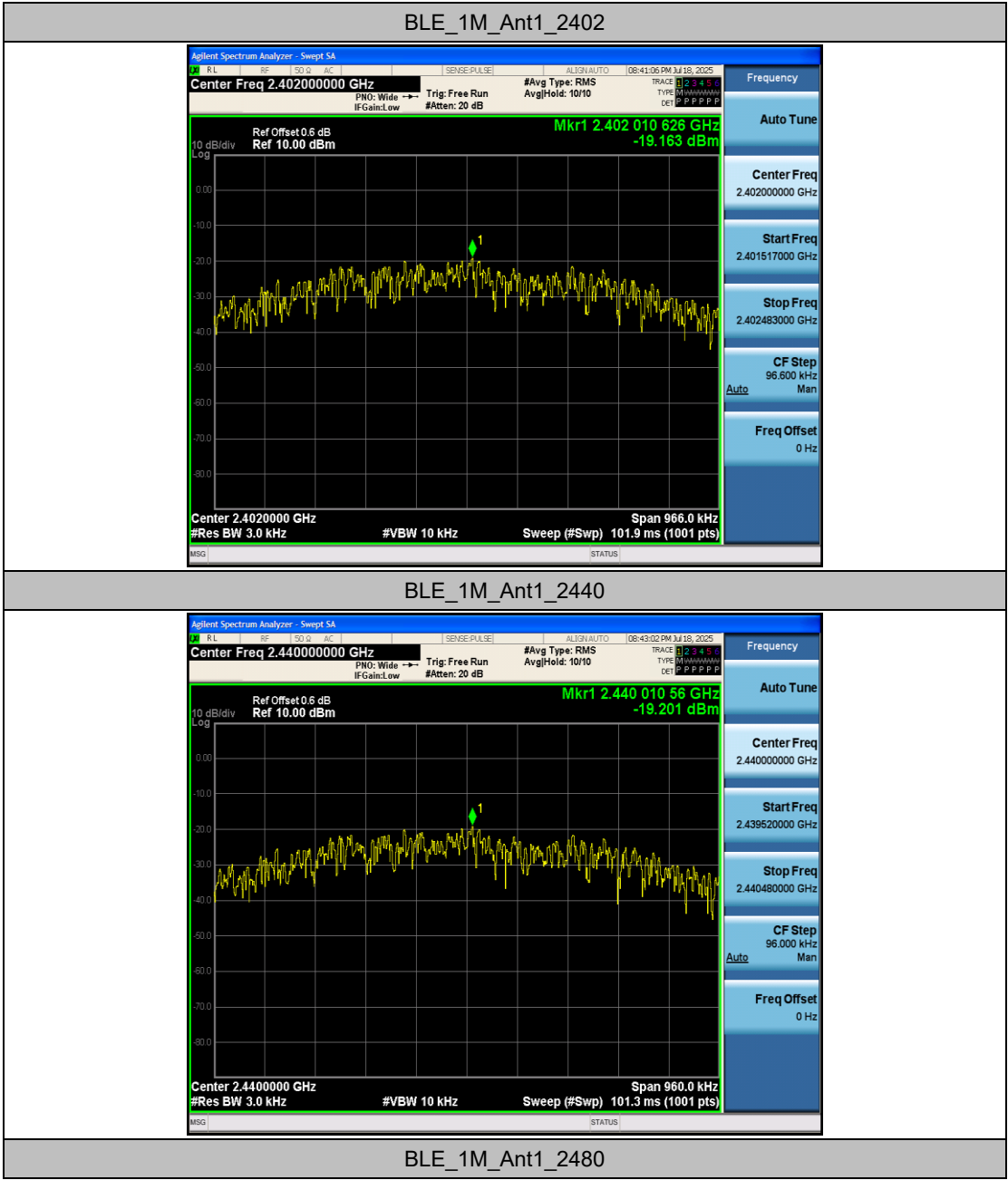
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-3.34	≤30	PASS
		2440	-3.59	≤30	PASS
		2480	-3.56	≤30	PASS

Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-19.16	≤8.00	PASS
		2440	-19.20	≤8.00	PASS
		2480	-19.59	≤8.00	PASS

Test Graphs

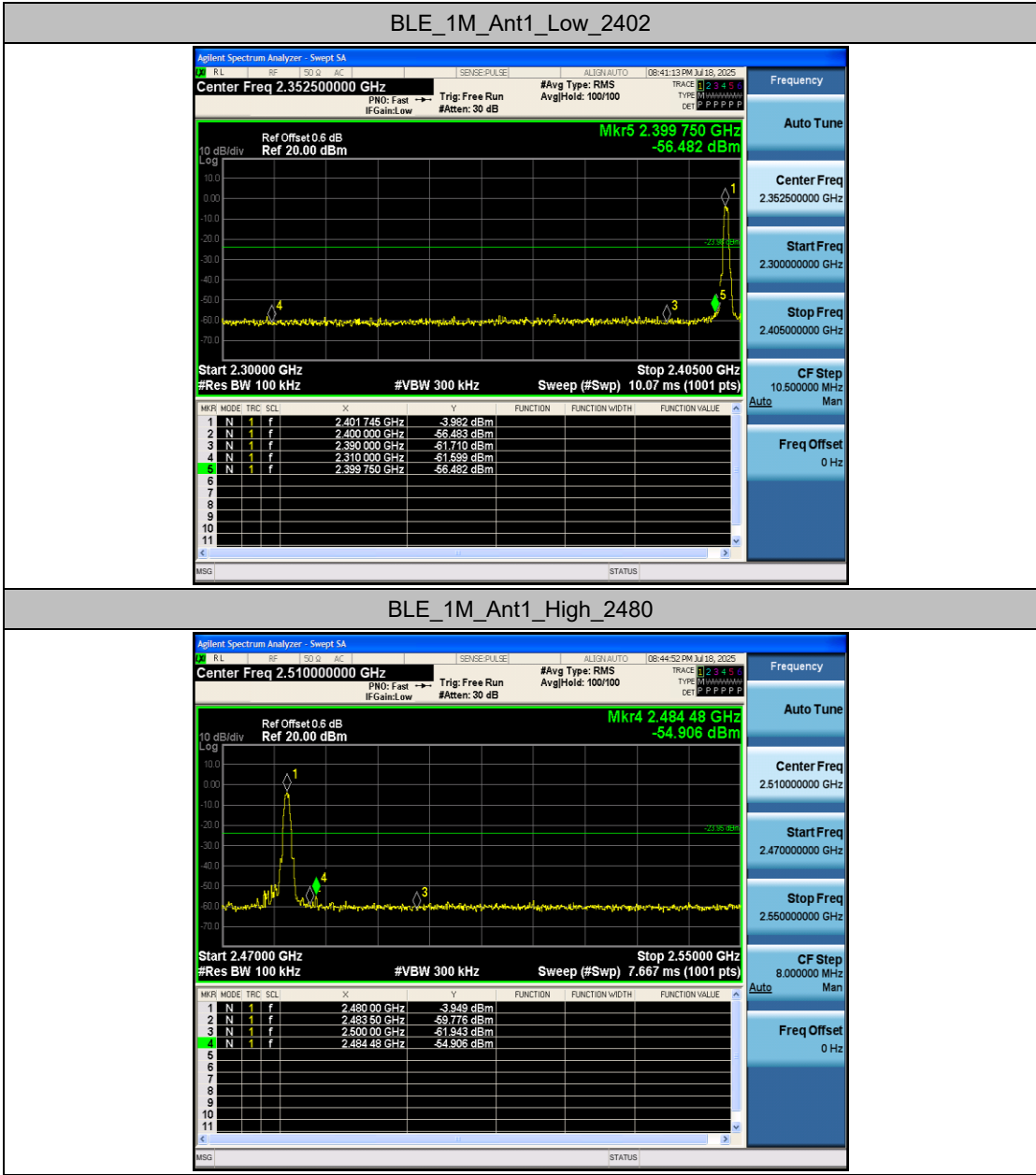


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-3.98	-56.48	≤-23.98	PASS
		High	2480	-3.95	-54.91	≤-23.95	PASS

Test Graphs

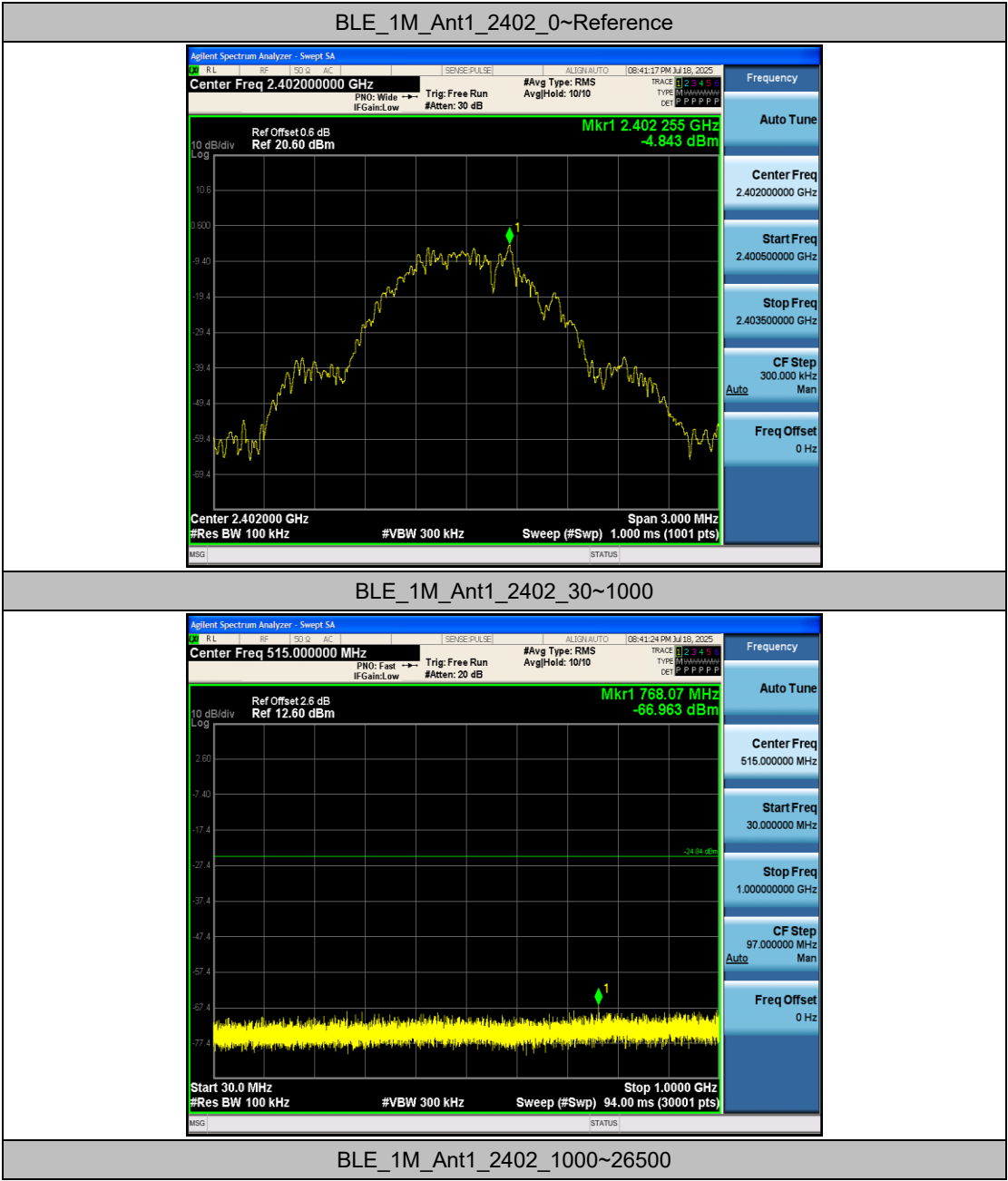


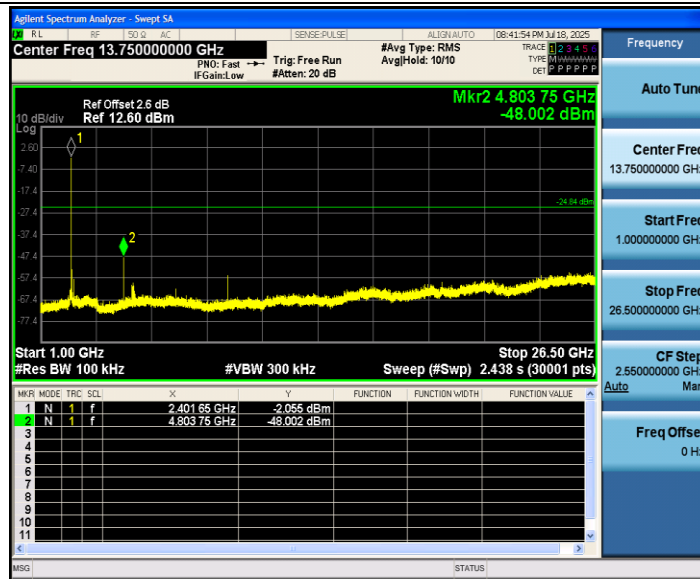
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-4.84	-4.84	---	PASS
			30~1000	-4.84	-66.96	≤-24.84	PASS
			1000~26500	-4.84	-48	≤-24.84	PASS
		2440	Reference	-5.06	-5.06	---	PASS
			30~1000	-5.06	-67.81	≤-25.06	PASS
			1000~26500	-5.06	-43.08	≤-25.06	PASS
		2480	Reference	-4.18	-4.18	---	PASS
			30~1000	-4.18	-67.51	≤-24.18	PASS
			1000~26500	-4.18	-46.33	≤-24.18	PASS

Test Graphs

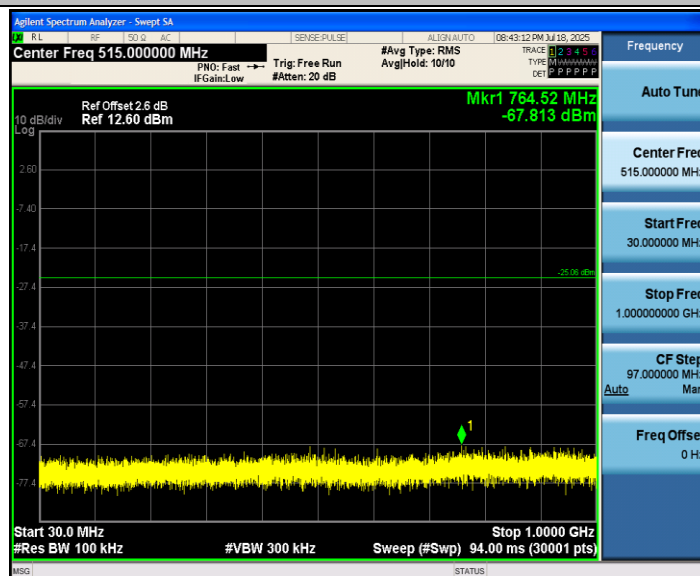




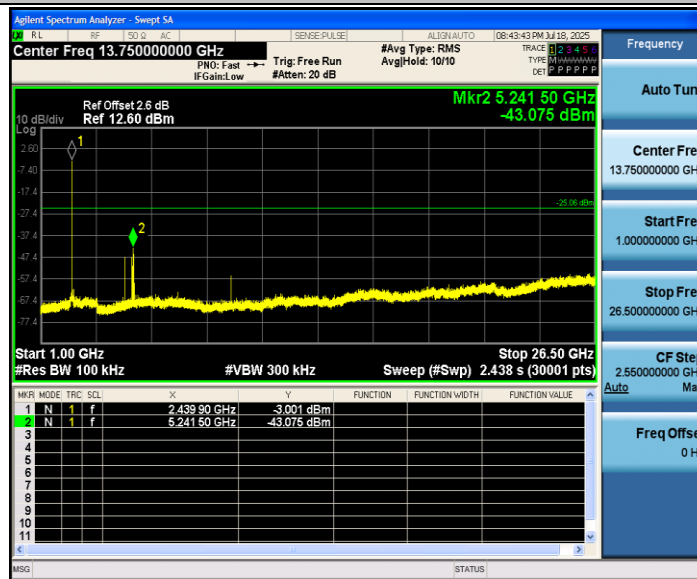
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



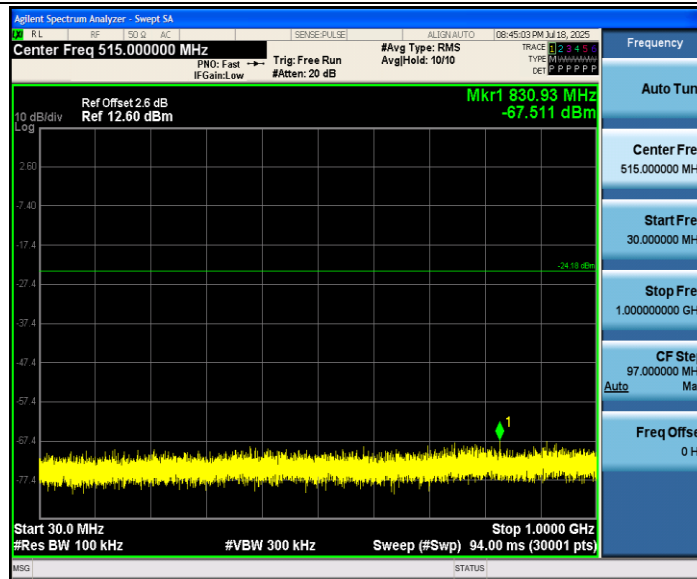
BLE_1M_Ant1_2440_1000~26500



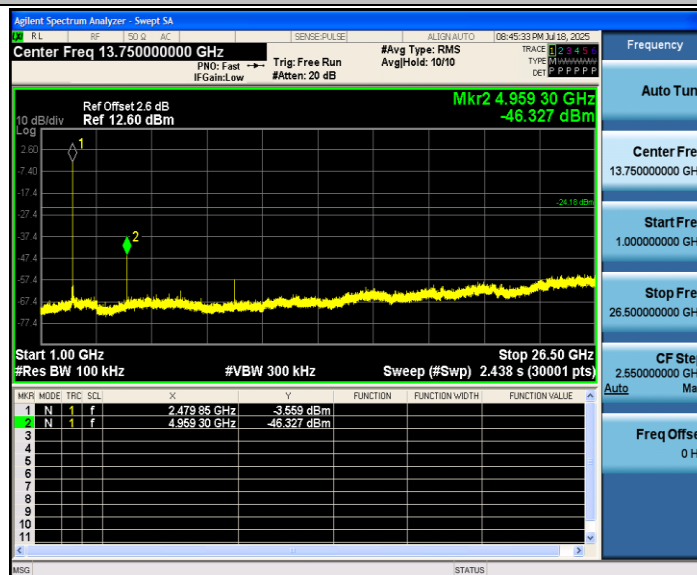
BLE_1M_Ant1_2480_0~Reference



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

