

FCC Appendix RF Test Data

FCC ID : 2BQD4-K900

Company : Shenzhen Xingyi Intelligent Technology Co., Ltd.

EUT : K900

Model Number : K900

Report No. : CTA25060302401

Reviewed By : Eric Wang

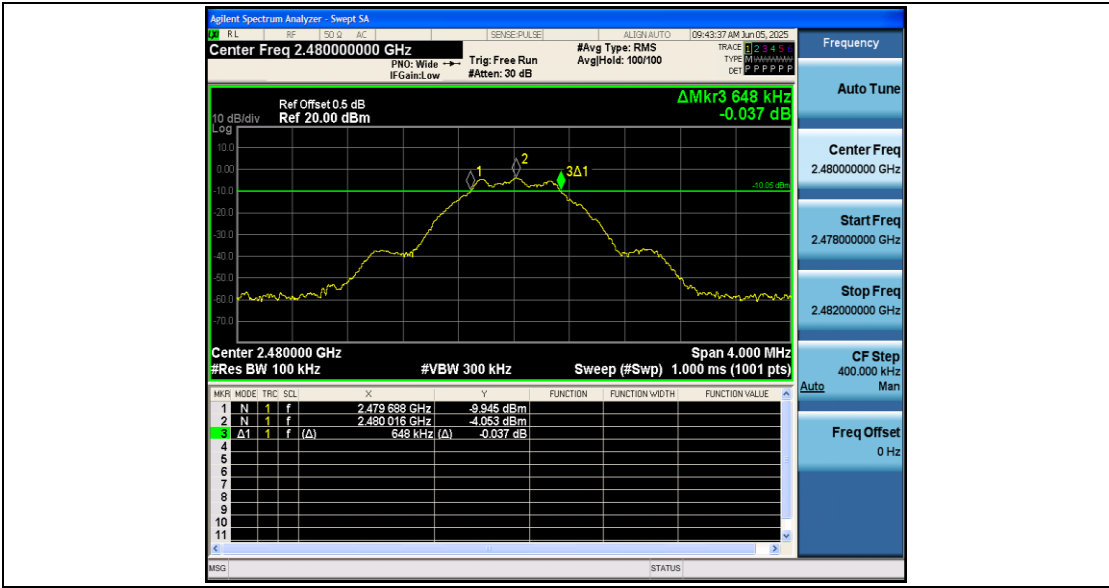
Appendix A: DTS Bandwidth

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	0.632	2439.696	2440.328	0.5	PASS
		2480	0.648	2479.688	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	1.0056	2401.5166	2402.5222	---	---
		2440	1.0029	2439.5163	2440.5192	---	---
		2480	1.0038	2479.5168	2480.5206	---	---

Test Graphs

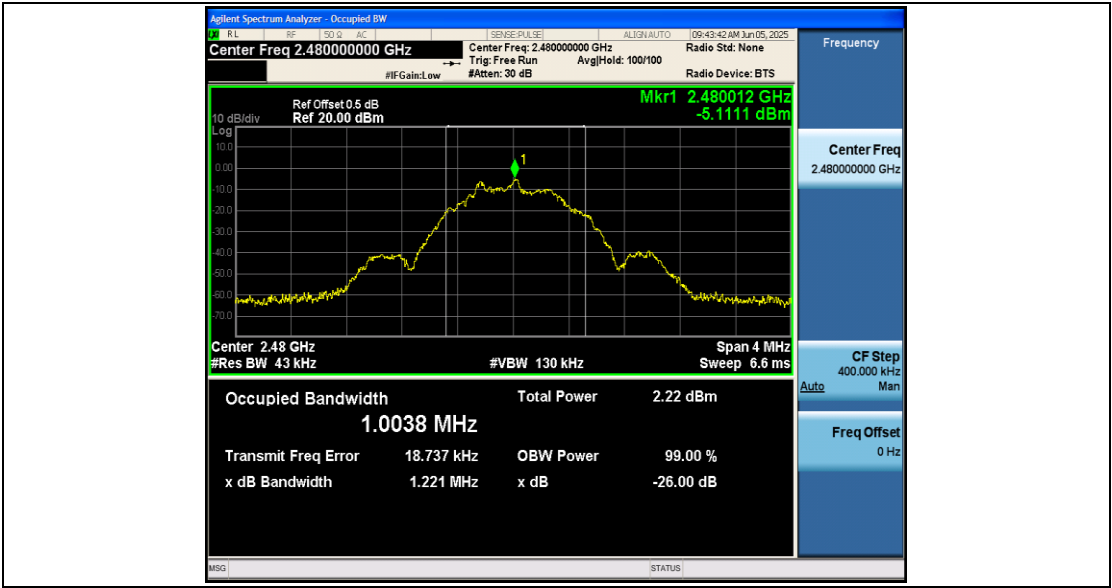
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



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	-3.57	≤30	PASS
		2440	-3.91	≤30	PASS
		2480	-3.94	≤30	PASS

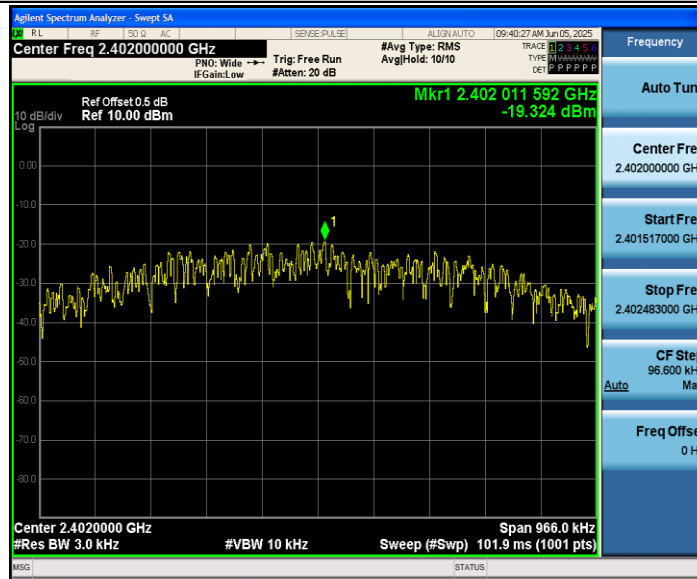
Appendix D: Maximum power spectral density

Test Result

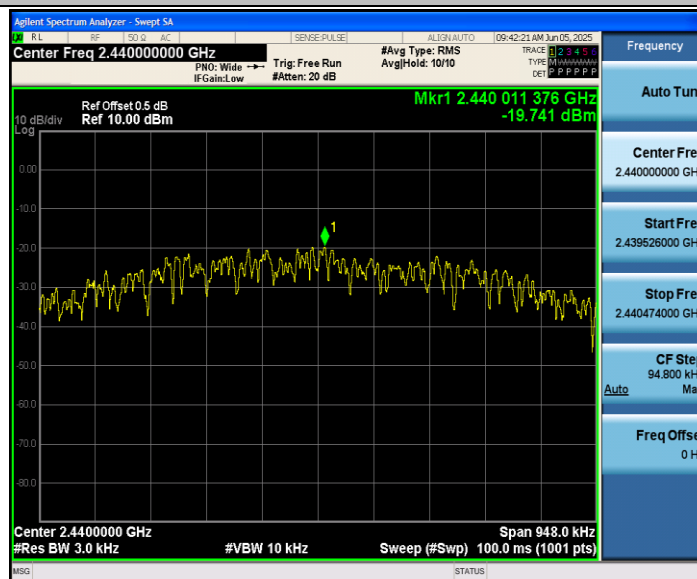
TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-19.32	≤8.00	PASS
		2440	-19.74	≤8.00	PASS
		2480	-19.81	≤8.00	PASS

Test Graphs

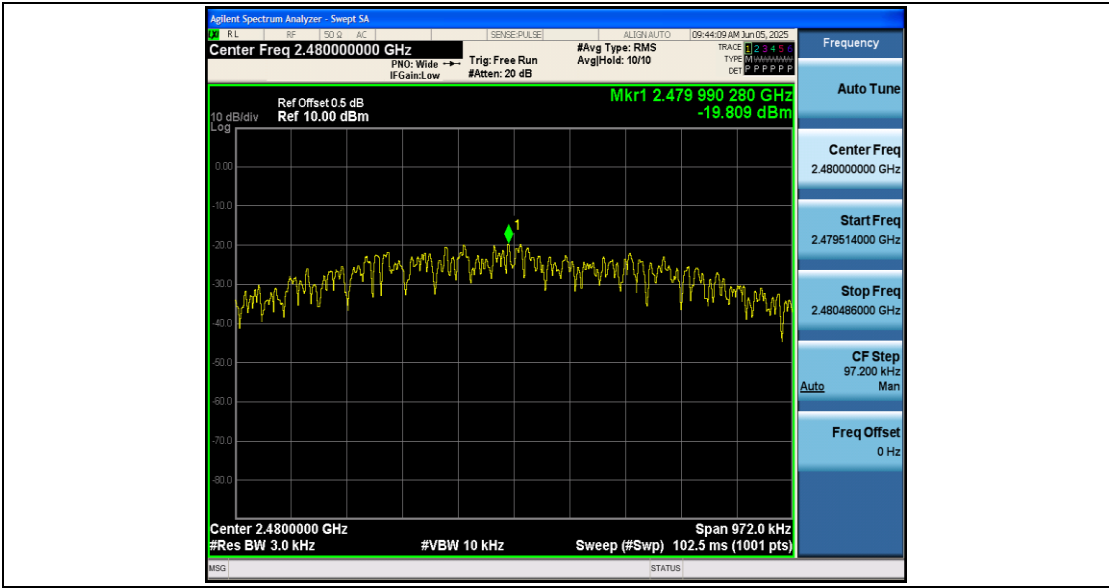
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

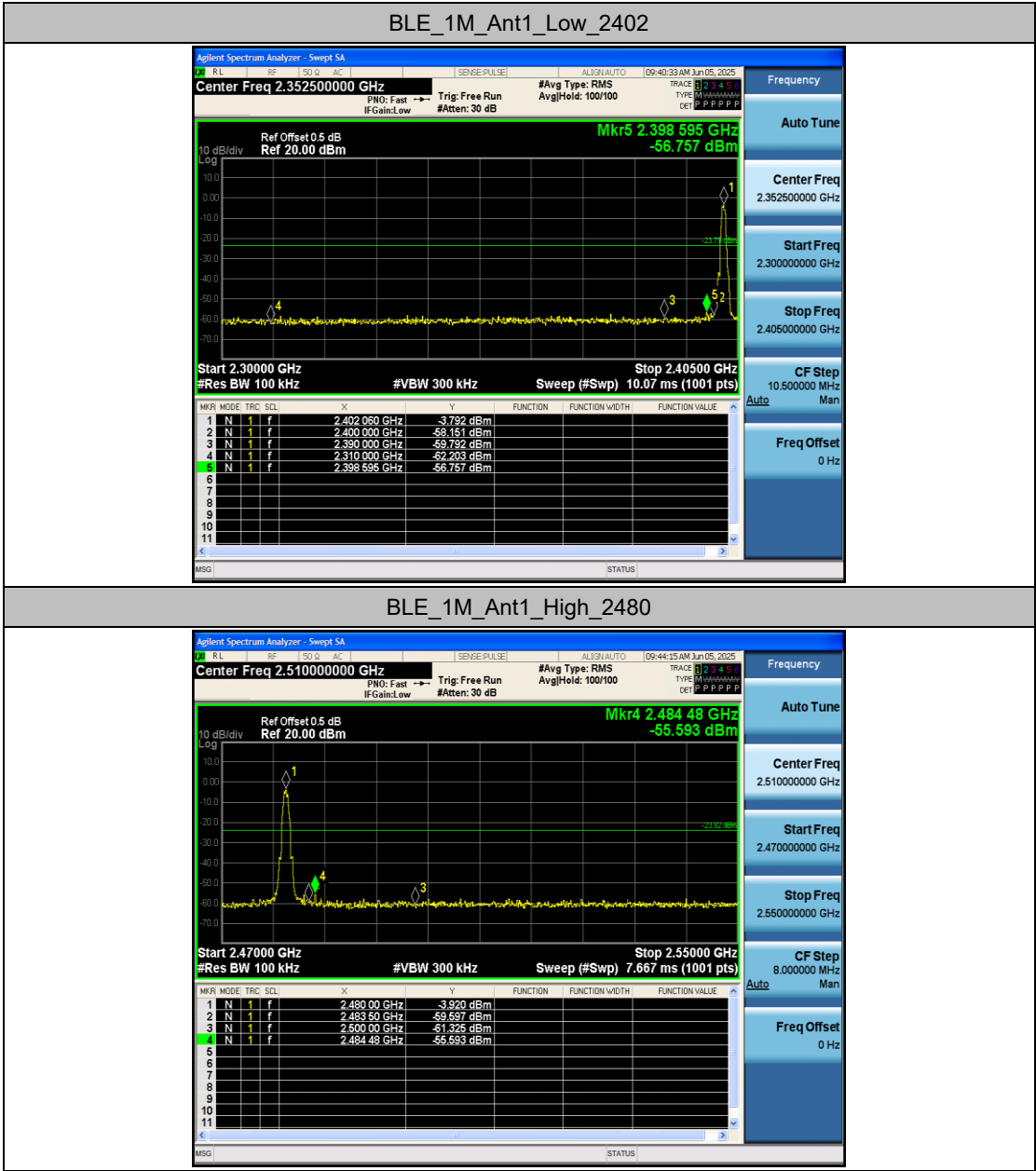


Appendix E: Band edge measurements

Test Result

TestMod e	Antenn a	ChNam e	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdic t
BLE_1M	Ant1	Low	2402	-3.79	-56.76	≤-23.79	PASS
		High	2480	-3.92	-55.59	≤-23.92	PASS

Test Graphs

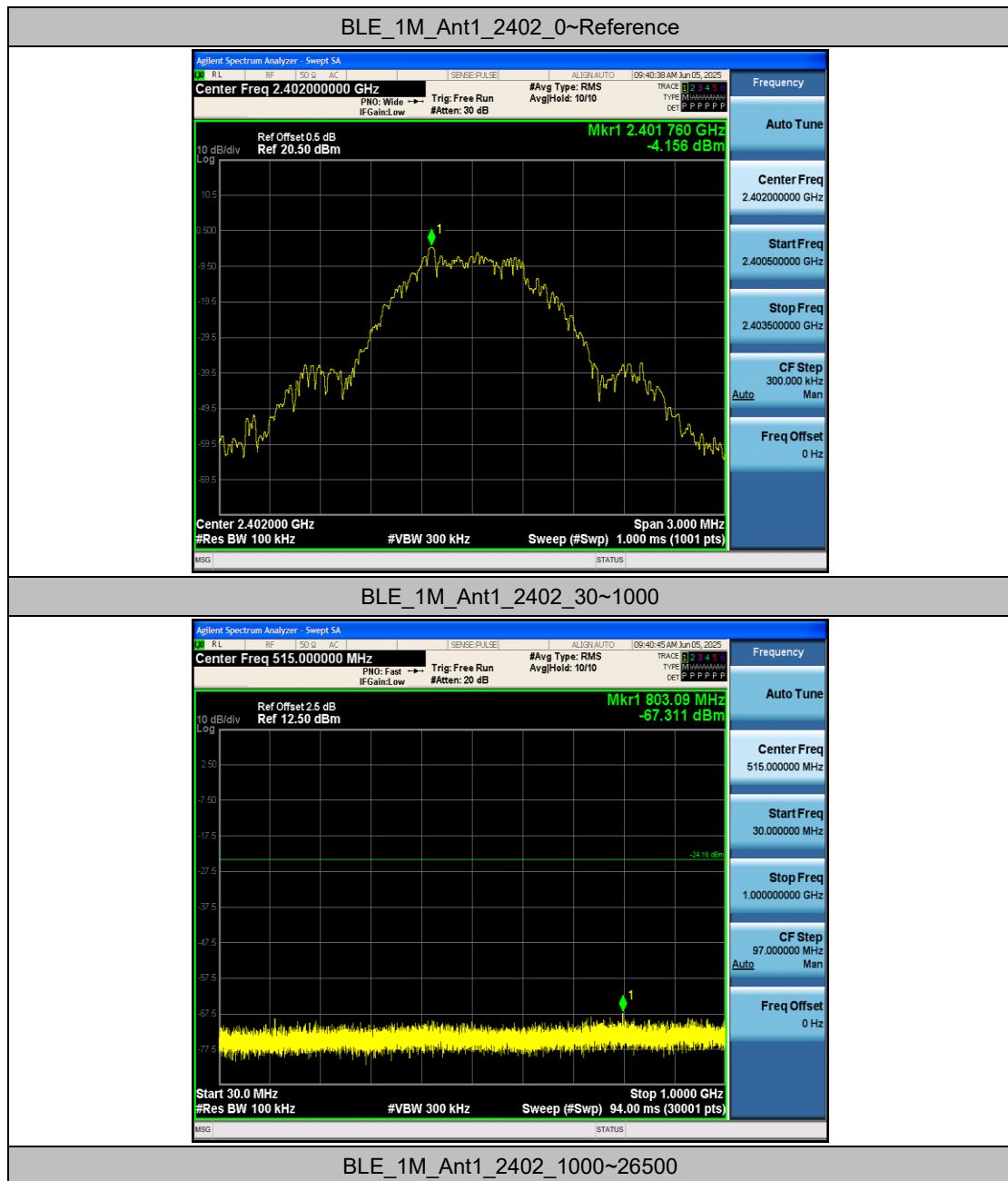


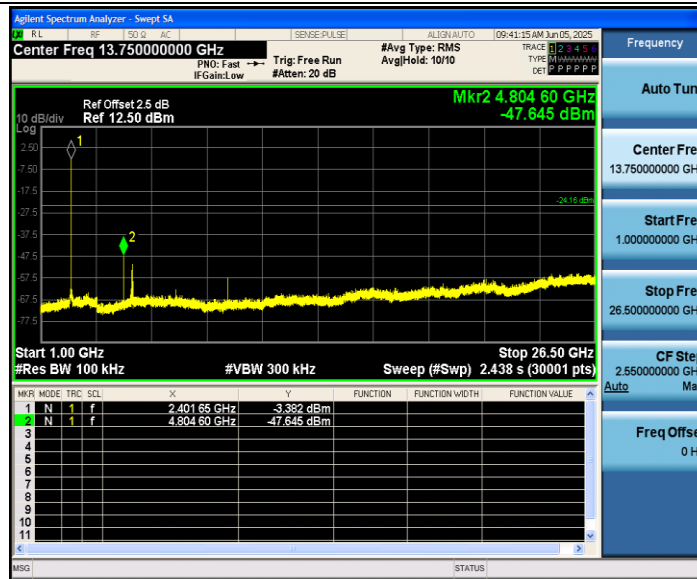
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-4.16	-4.16	---	PASS
			30~1000	-4.16	-67.31	≤-24.16	PASS
			1000~26500	-4.16	-47.65	≤-24.16	PASS
		2440	Reference	-6.03	-6.03	---	PASS
			30~1000	-6.03	-68	≤-26.03	PASS
			1000~26500	-6.03	-47.36	≤-26.03	PASS
		2480	Reference	-4.60	-4.60	---	PASS
			30~1000	-4.60	-68.1	≤-24.6	PASS
			1000~26500	-4.60	-49.59	≤-24.6	PASS

Test Graphs

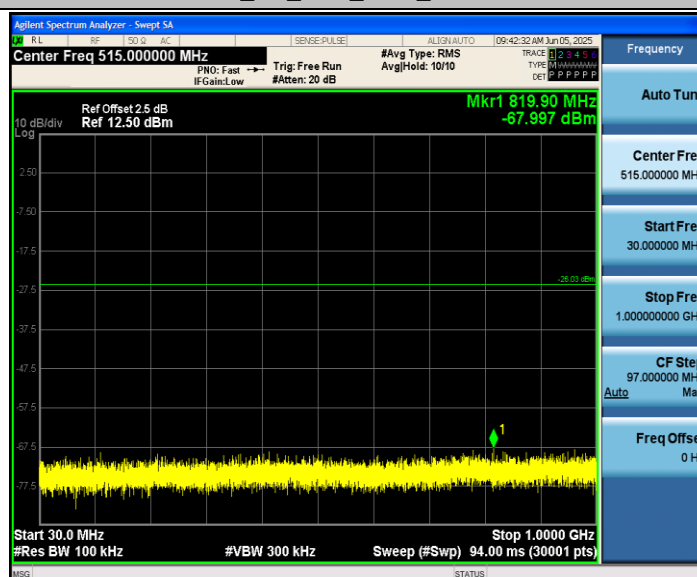




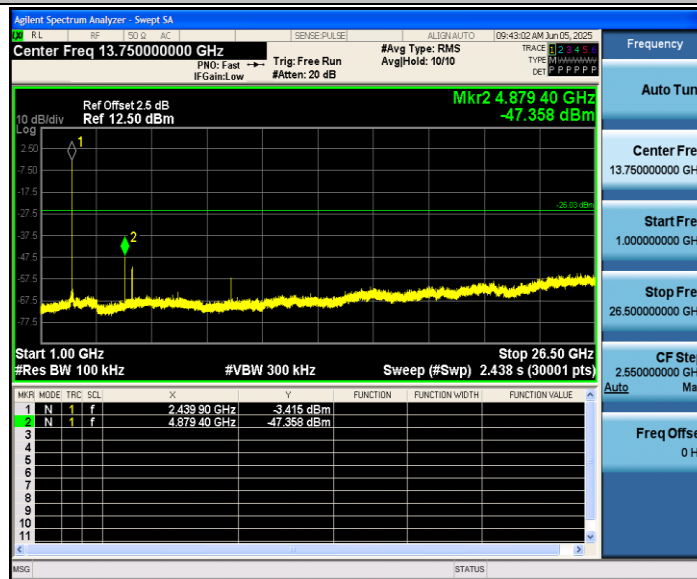
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



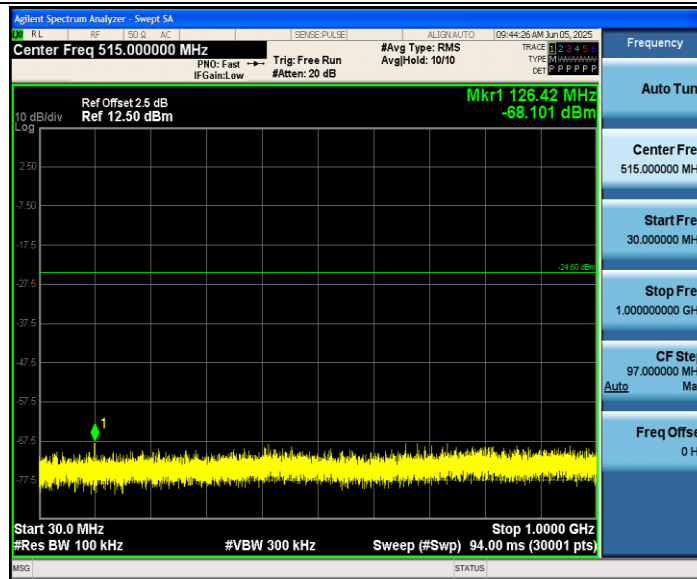
BLE_1M_Ant1_2440_1000~26500



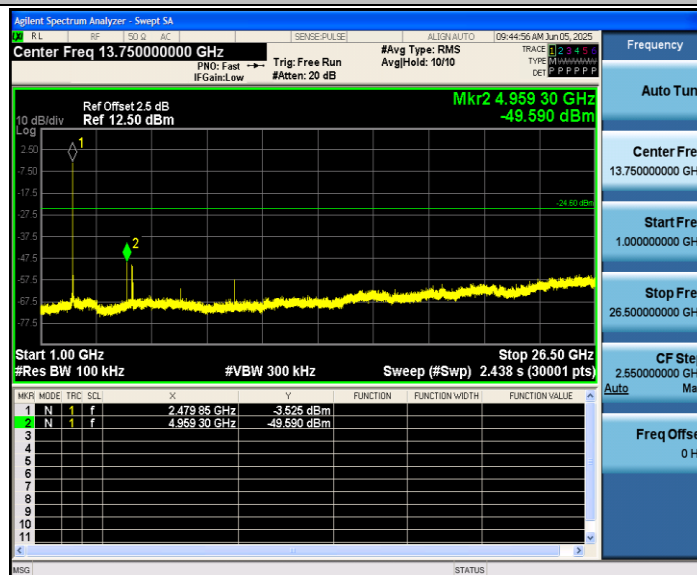
BLE_1M_Ant1_2480_0~Reference



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

