

Appendix RF Test Data for BLE

FCC ID : 2BRTK-GLEX01UPLOC1S

Company : zhe jiang zhong min suo ye you xian gong si

EUT : Tracker Tag & Combination Lock Holder

Model Number : GLEX01-UPLOC-1S

Report No. : CTA25081301201

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	1.096	2401.448	2402.544	0.5	PASS
		2440	1.092	2439.480	2440.572	0.5	PASS
		2480	1.104	2479.440	2480.544	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	1.9959	2401.0316	2403.0275	---	---
		2440	1.9953	2439.0324	2441.0277	---	---
		2480	1.9984	2479.0317	2481.0301	---	---

Test Graphs





Appendix C: Maximum conducted output power

Test Result Peak

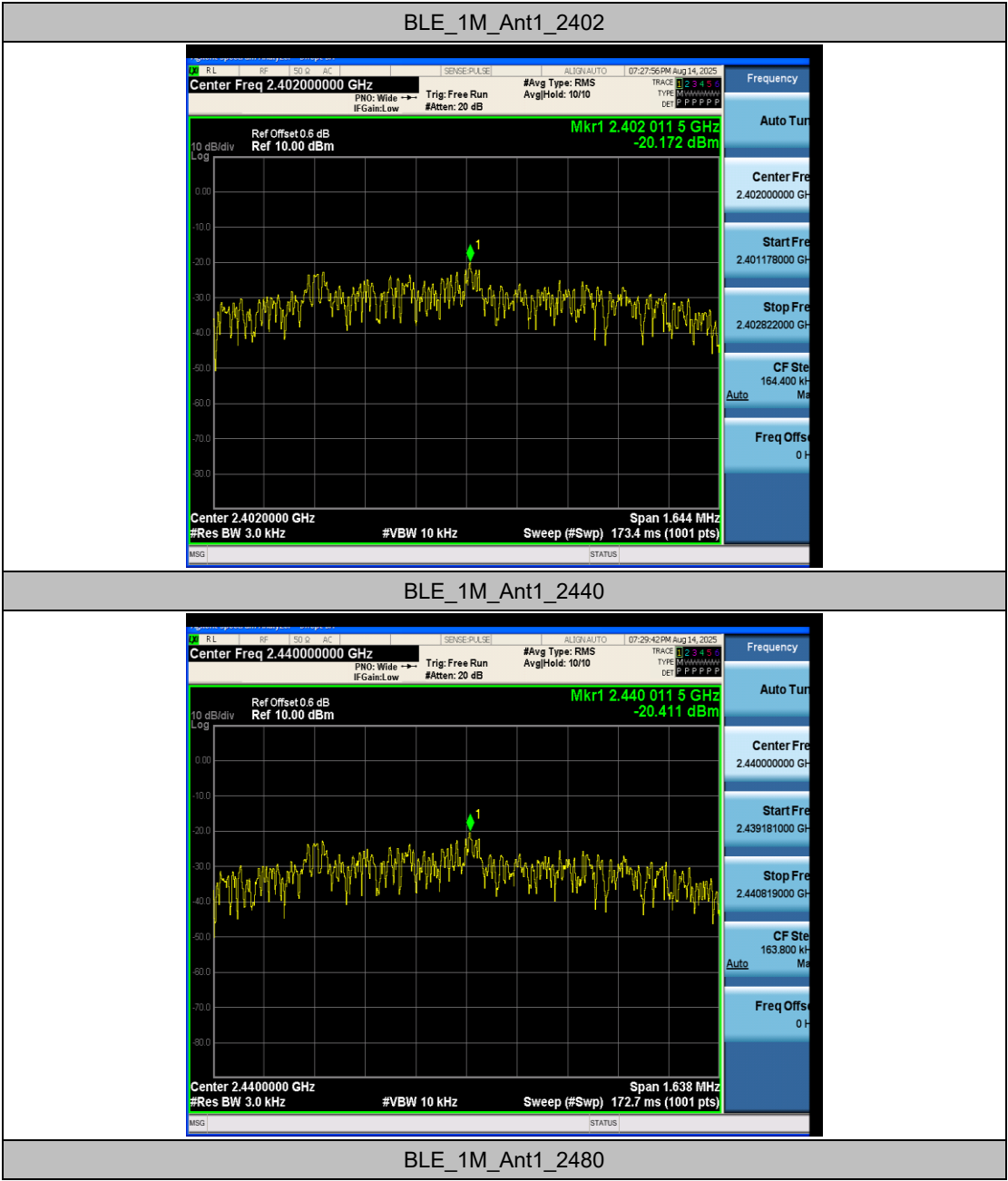
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-3.24	≤30	PASS
		2440	-3.56	≤30	PASS
		2480	-3.61	≤30	PASS

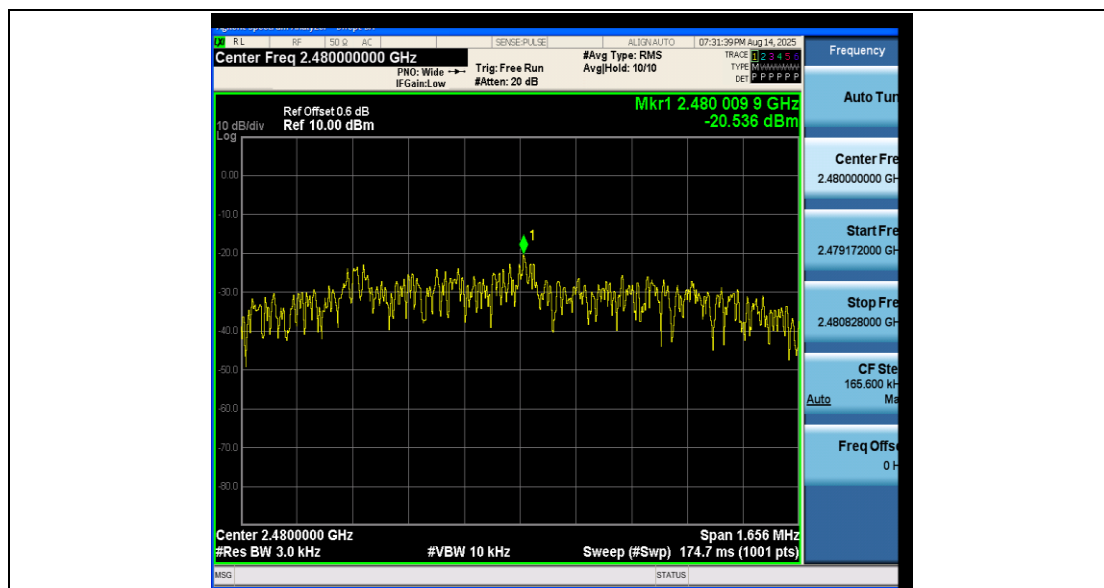
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-20.17	≤8.00	PASS
		2440	-20.41	≤8.00	PASS
		2480	-20.54	≤8.00	PASS

Test Graphs



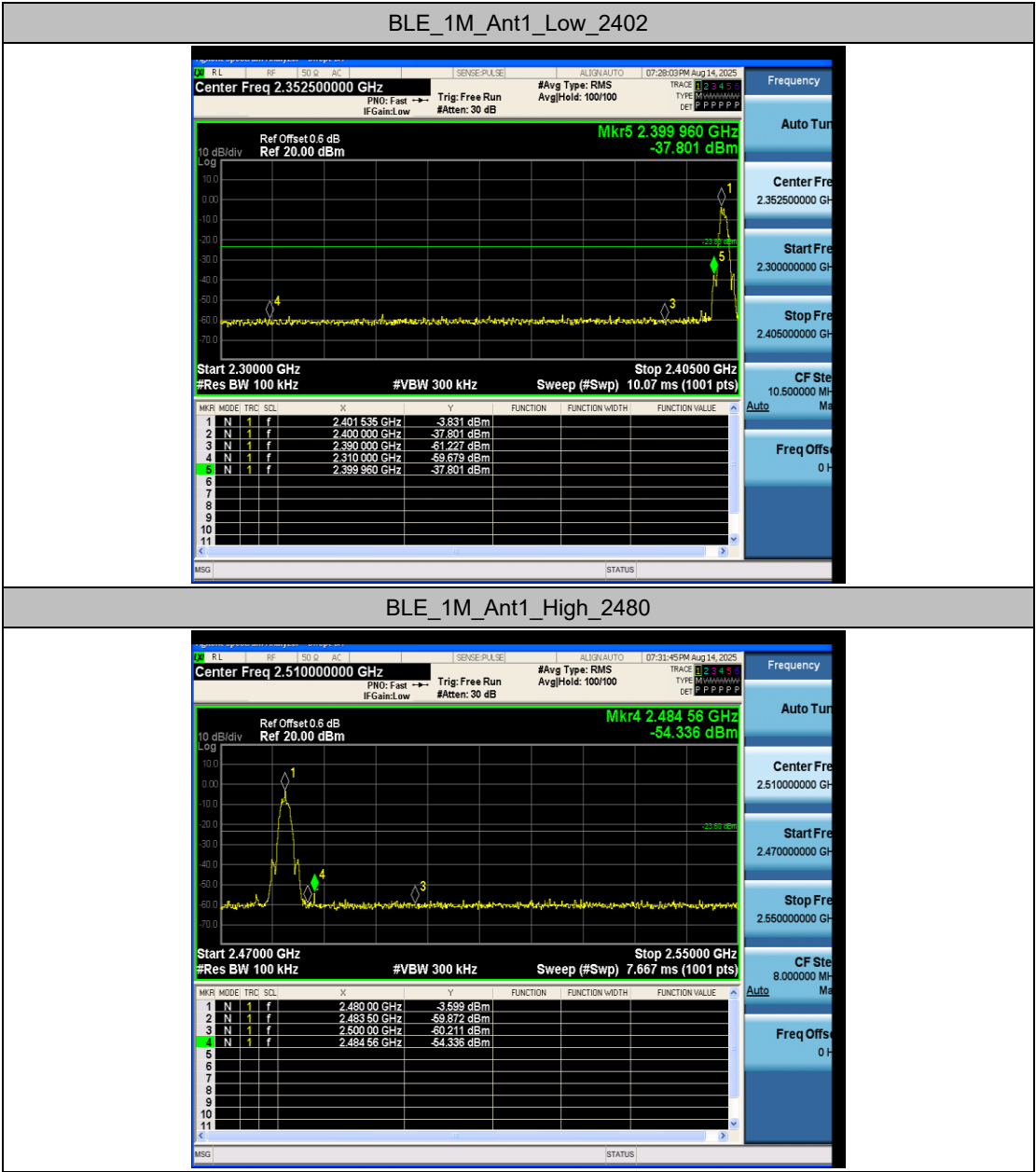


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-3.83	-37.8	≤-23.83	PASS
		High	2480	-3.60	-54.34	≤-23.6	PASS

Test Graphs

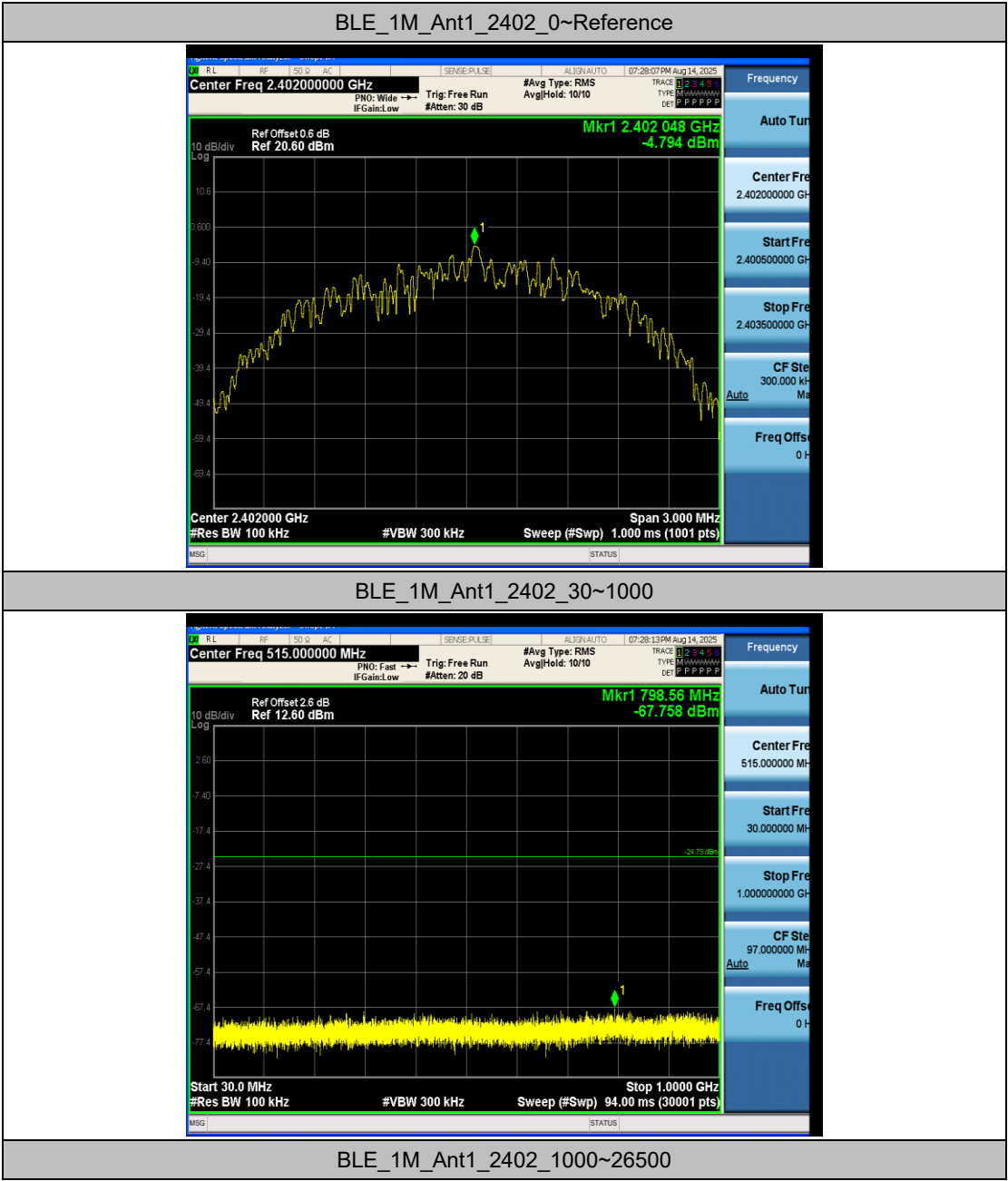


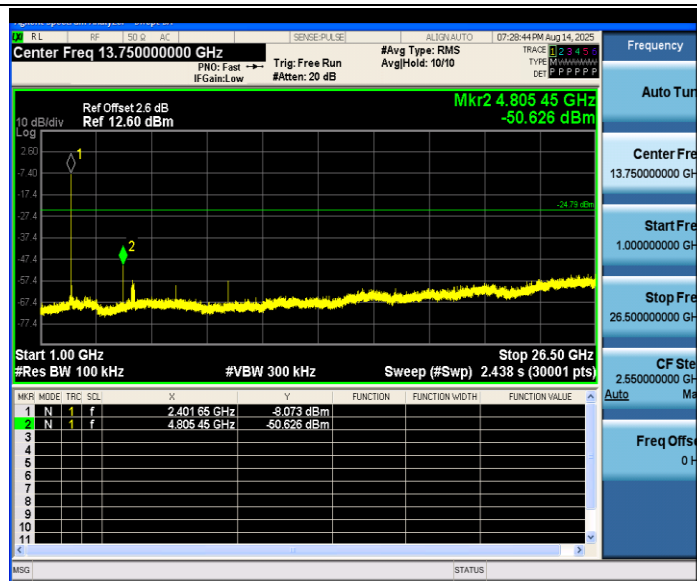
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-4.79	-4.79	---	PASS
			30~1000	-4.79	-67.76	≤-24.79	PASS
			1000~26500	-4.79	-50.63	≤-24.79	PASS
		2440	Reference	-4.16	-4.16	---	PASS
			30~1000	-4.16	-67.32	≤-24.16	PASS
			1000~26500	-4.16	-46.52	≤-24.16	PASS
		2480	Reference	-8.18	-8.18	---	PASS
			30~1000	-8.18	-67.21	≤-28.18	PASS
			1000~26500	-8.18	-50.5	≤-28.18	PASS

Test Graphs

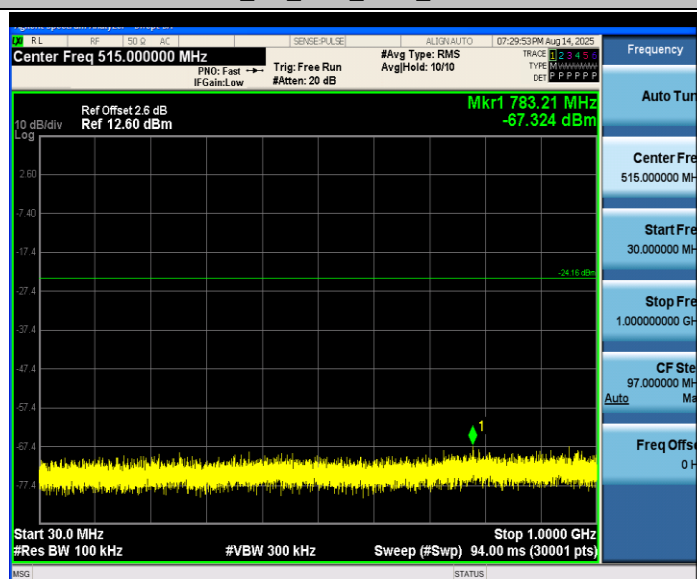




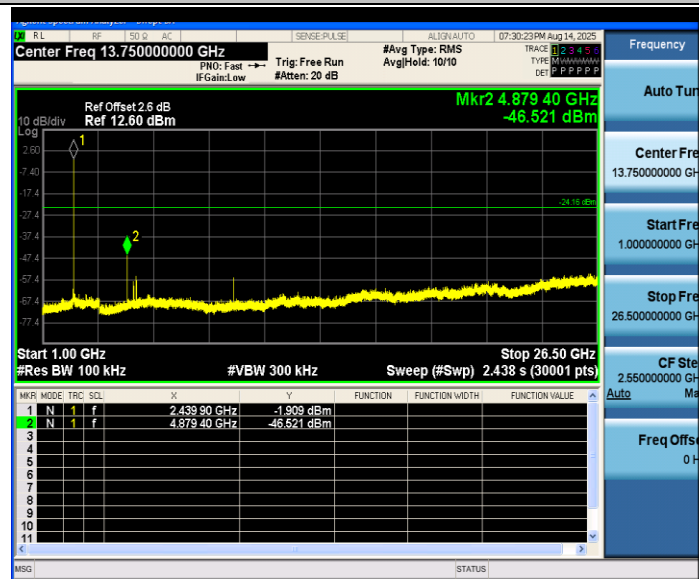
BLE_1M_Ant1_2440_0~Reference



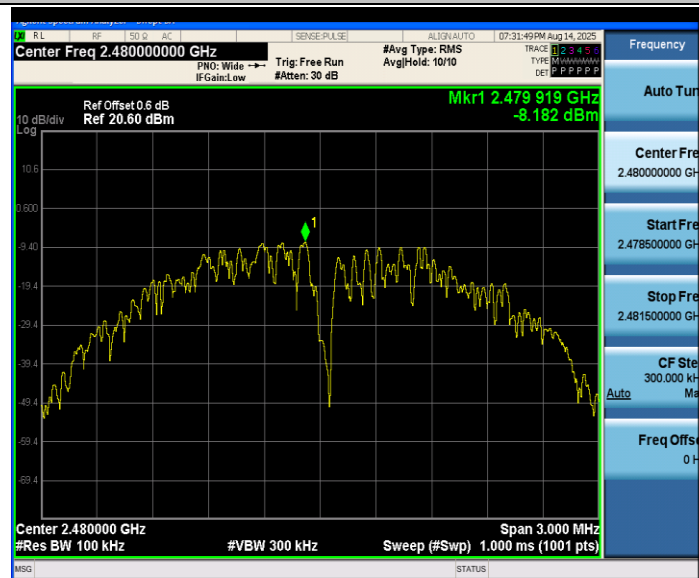
BLE_1M_Ant1_2440_30~1000



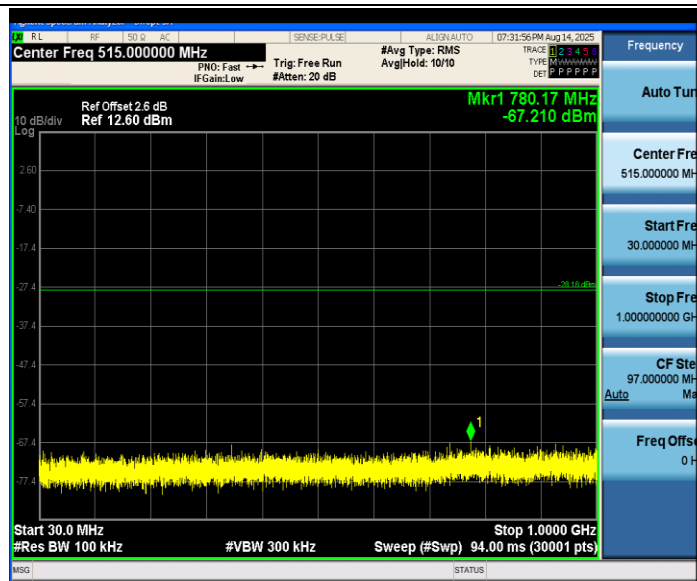
BLE_1M_Ant1_2440_1000~26500



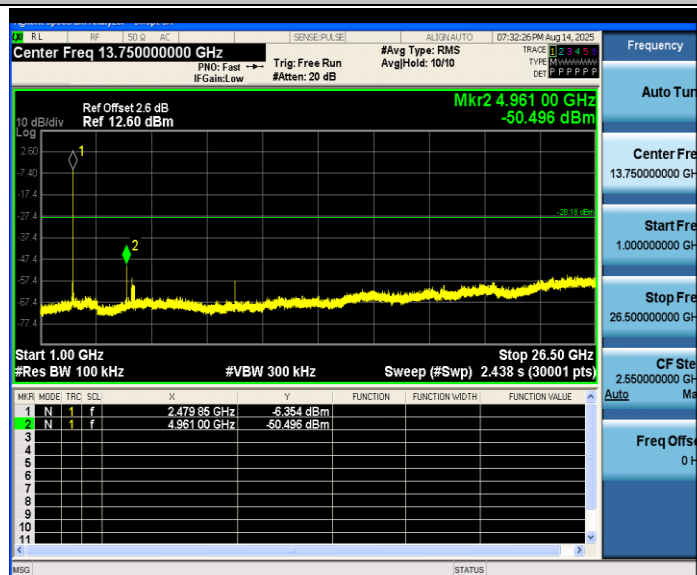
BLE_1M_Ant1_2480_0~Reference



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	0.23	0.63	0.3651	36.51	4.38	---	---
		2440	0.23	0.63	0.3651	36.51	4.38	---	---
		2480	0.23	0.63	0.3651	36.51	4.38	---	---

Test Graphs

