

Appendix RF Test Data for BLE

FCC ID : 2A6PA-CR010D

Company : Zhongshan City Cironbaby Co.,Ltd.

EUT : Baby swing

Model Number : CR010D

Report No. : CTA25081402301

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	0.640	2401.692	2402.332	0.5	PASS
		2440	0.660	2439.684	2440.344	0.5	PASS
		2480	0.660	2479.680	2480.340	0.5	PASS

Test Graphs



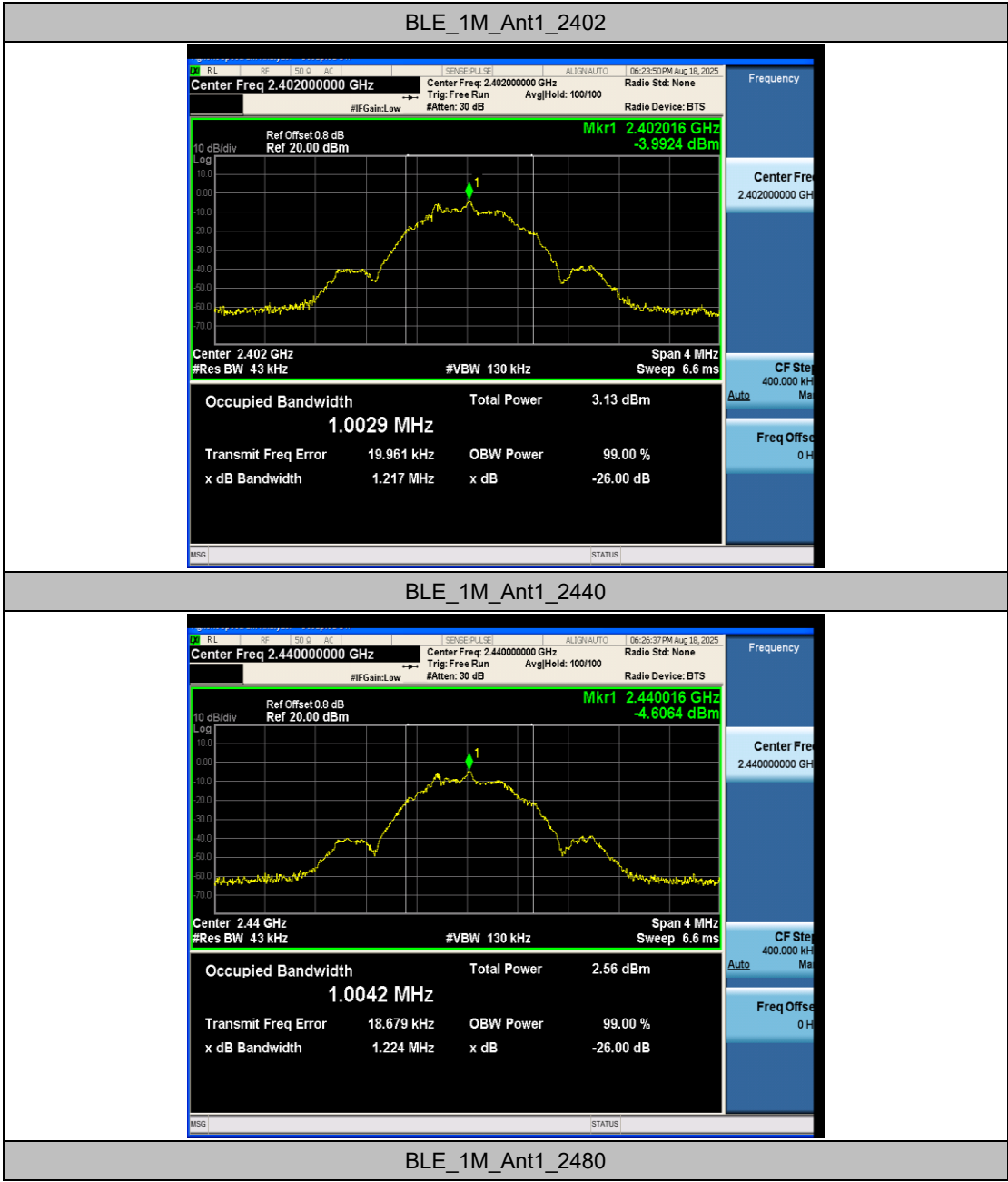


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0029	2401.5185	2402.5214	---	---
		2440	1.0042	2439.5166	2440.5208	---	---
		2480	1.0027	2479.5176	2480.5203	---	---

Test Graphs





Appendix C: Maximum conducted output power

Test Result Peak

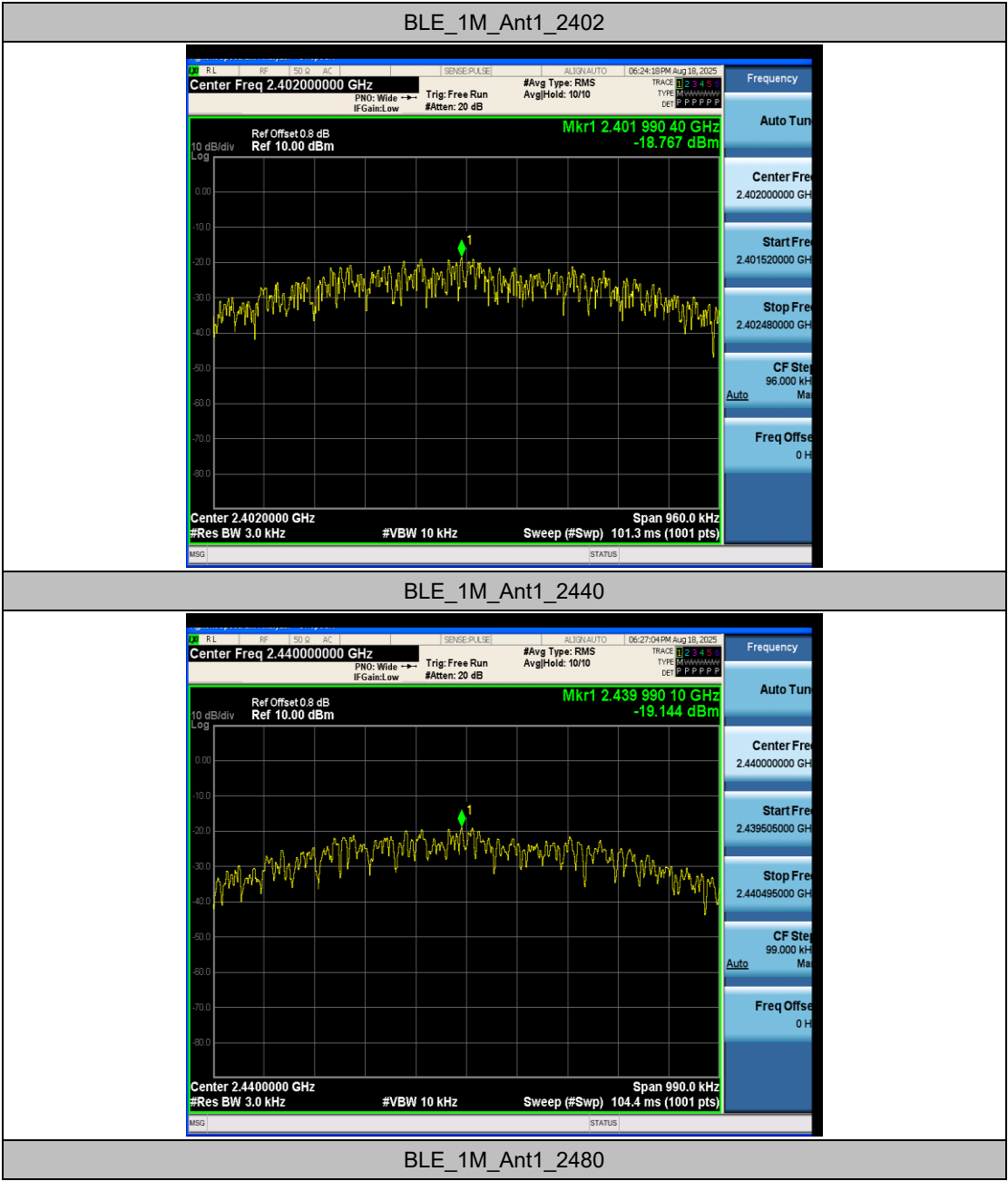
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-2.96	≤30	PASS
		2440	-3.50	≤30	PASS
		2480	-3.71	≤30	PASS

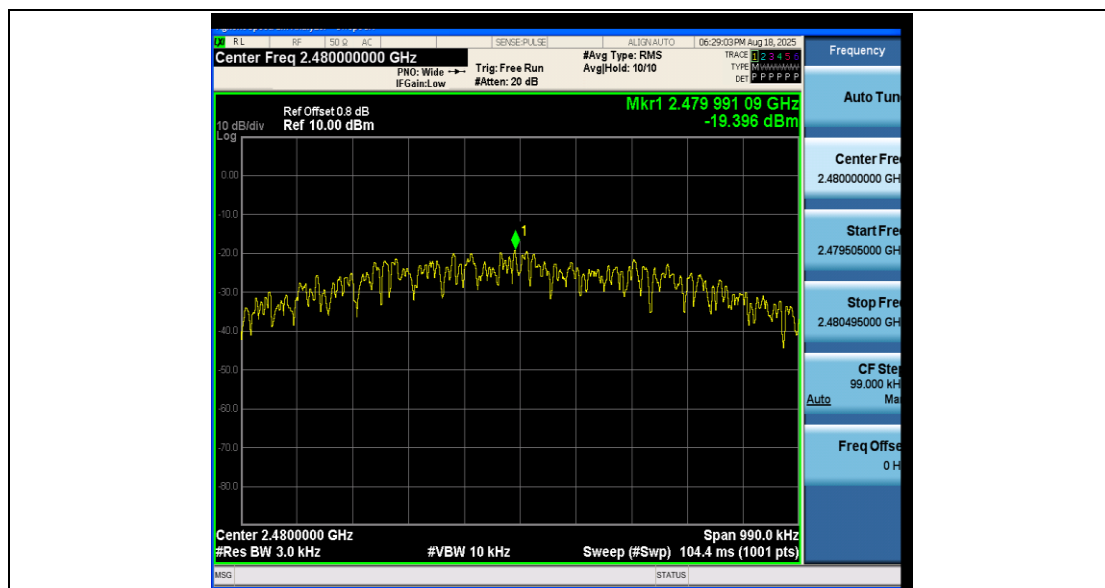
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.77	≤8.00	PASS
		2440	-19.14	≤8.00	PASS
		2480	-19.40	≤8.00	PASS

Test Graphs





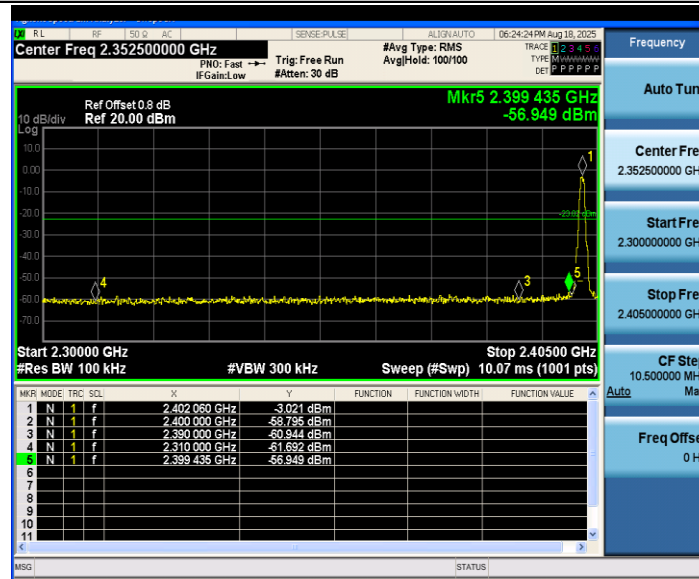
Appendix E: Band edge measurements

Test Result

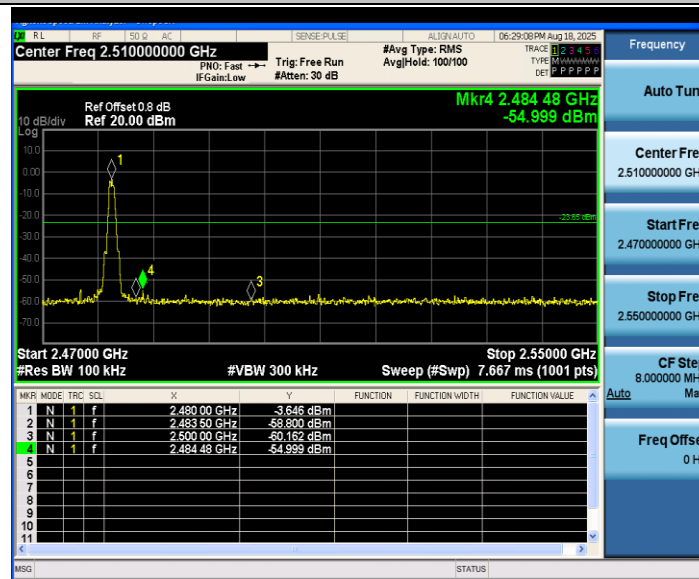
TestMod e	Antenn a	ChNam e	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdic t
BLE_1M	Ant1	Low	2402	-3.02	-56.95	≤-23.02	PASS
		High	2480	-3.65	-55	≤-23.65	PASS

Test Graphs

BLE_1M_Ant1_Low_2402



BLE_1M_Ant1_High_2480

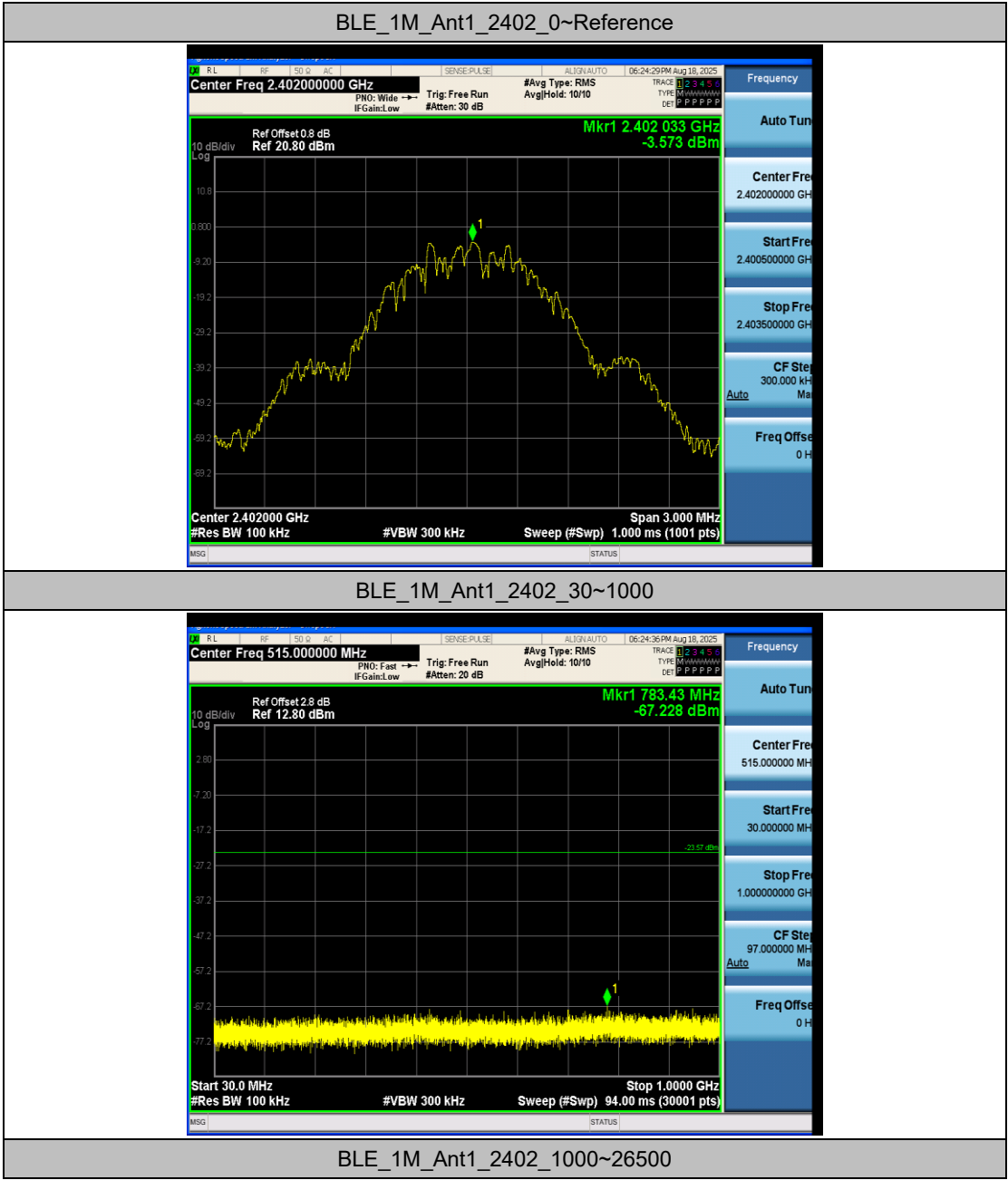


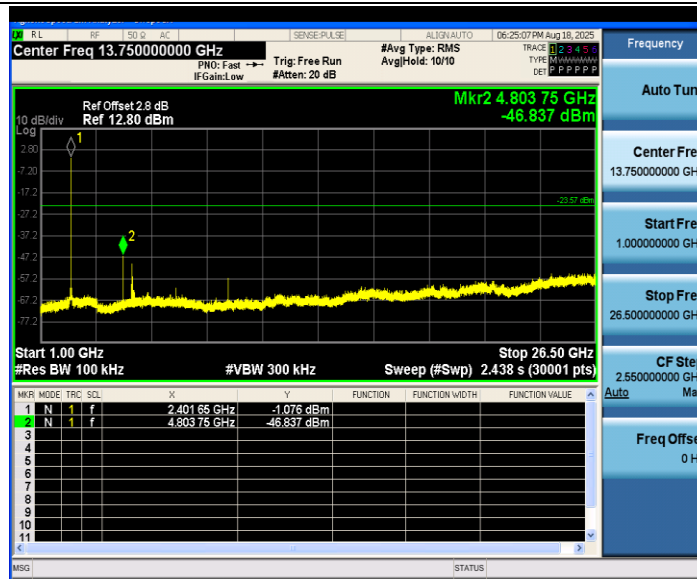
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-3.57	-3.57	---	PASS
			30~1000	-3.57	-67.23	≤-23.57	PASS
			1000~26500	-3.57	-46.84	≤-23.57	PASS
		2440	Reference	-5.19	-5.19	---	PASS
			30~1000	-5.19	-67.38	≤-25.19	PASS
			1000~26500	-5.19	-46.99	≤-25.19	PASS
		2480	Reference	-6.03	-6.03	---	PASS
			30~1000	-6.03	-67.71	≤-26.03	PASS
			1000~26500	-6.03	-49.04	≤-26.03	PASS

Test Graphs

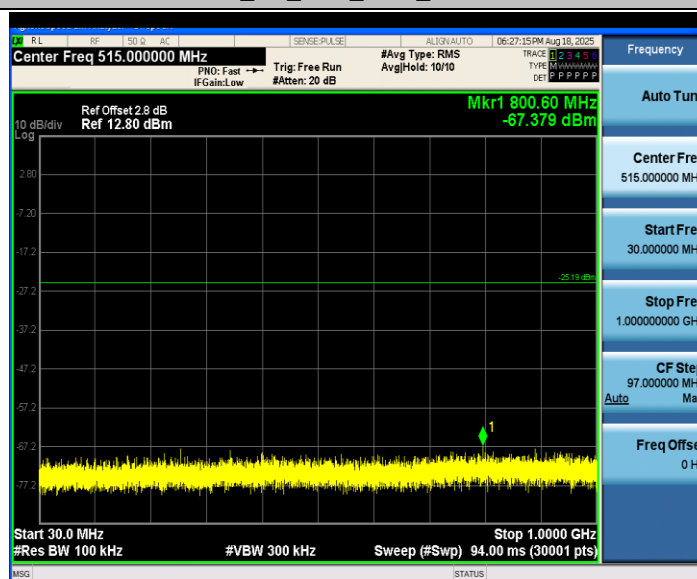




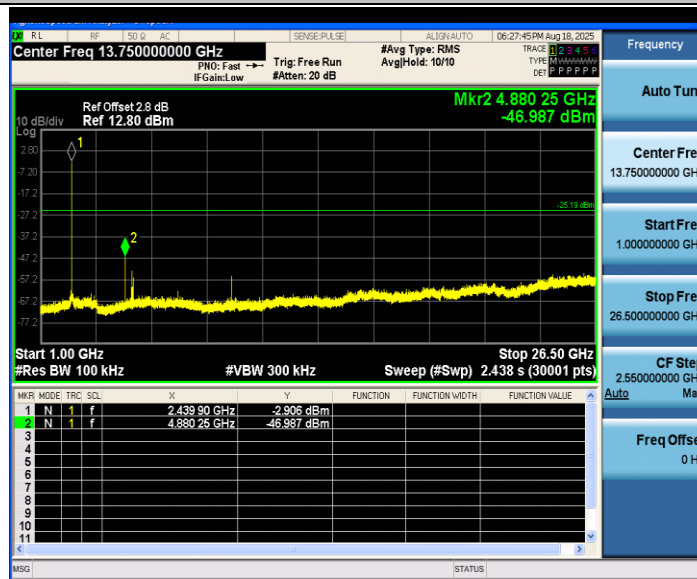
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



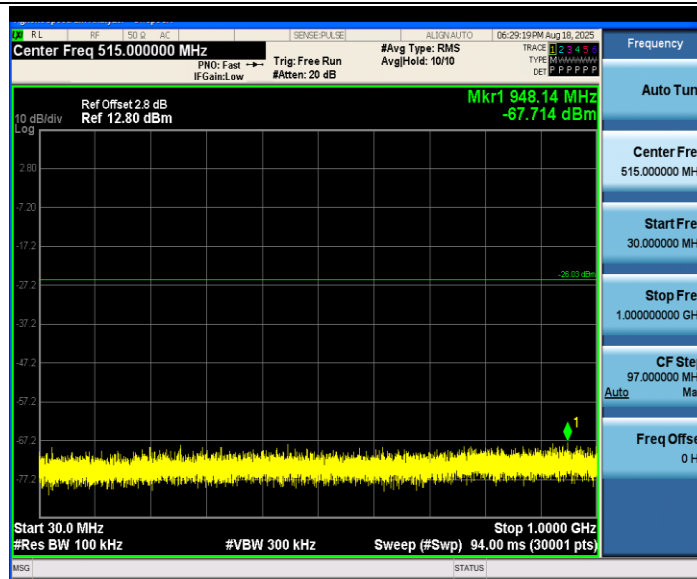
BLE_1M_Ant1_2440_1000~26500



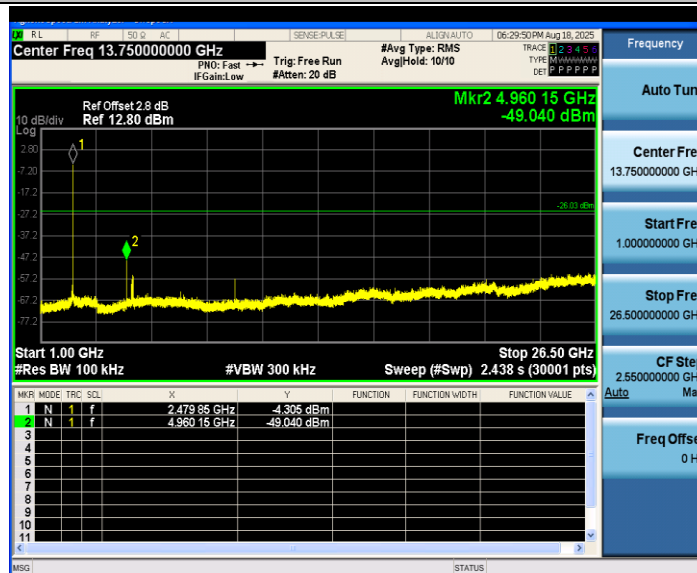
BLE_1M_Ant1_2480_0~Reference



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

