

FCC Appendix RF Test Data

FCC ID : 2BKXA-BM01

Company: : Hainafu (Shenzhen) Technology Co., Ltd

EUT : Boxing trainer

Model Number : BM01

Report No. : CTA25053000901

Reviewed By : Eric Wang

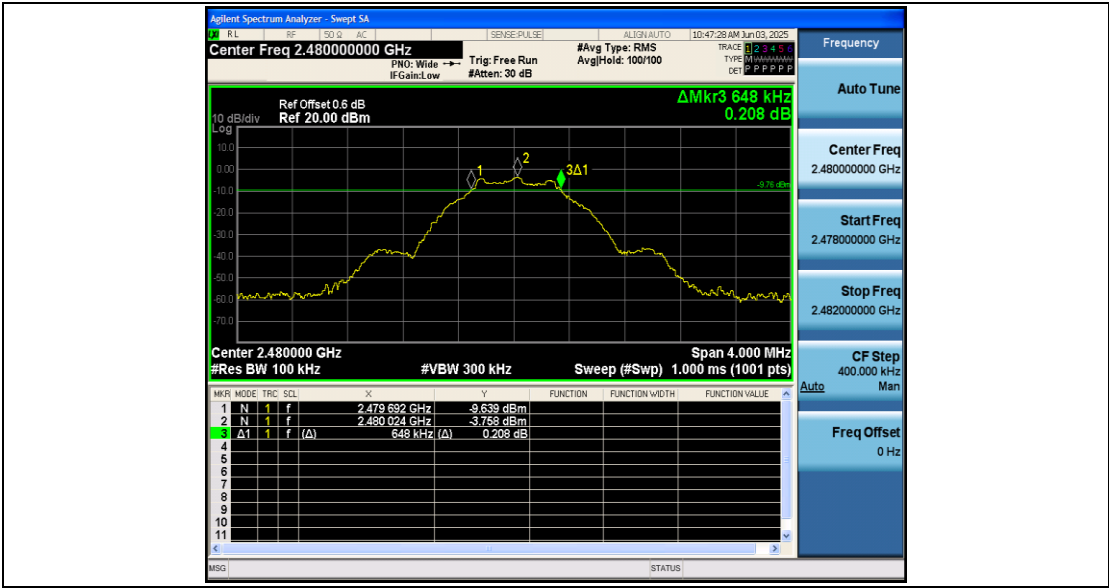
Appendix A: DTS Bandwidth

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	0.636	2439.696	2440.332	0.5	PASS
		2480	0.648	2479.692	2480.340	0.5	PASS

Test Graphs



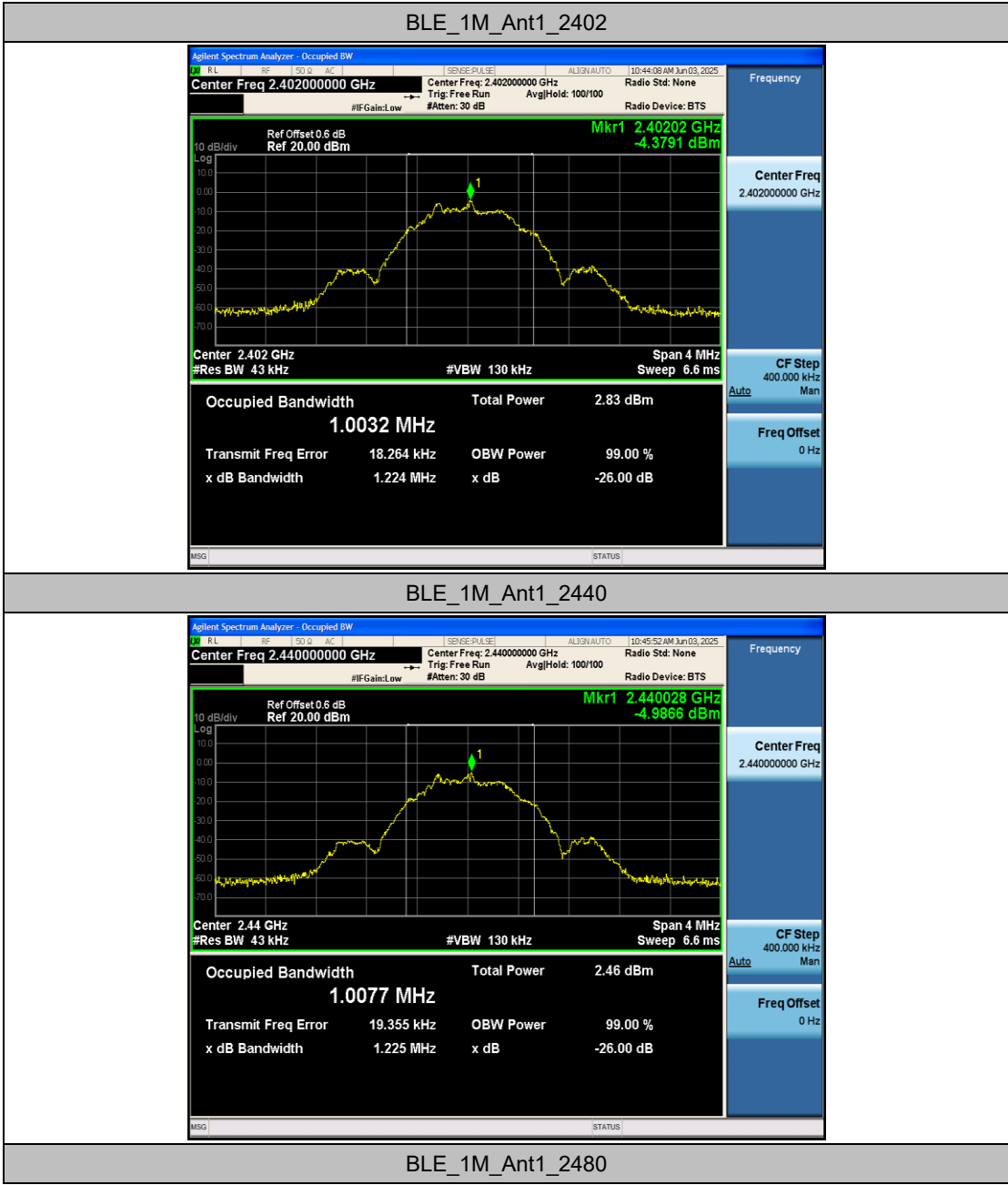


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0032	2401.5167	2402.5199	---	---
		2440	1.0077	2439.5155	2440.5232	---	---
		2480	1.0055	2479.5169	2480.5224	---	---

Test Graphs





Appendix C: Maximum conducted output power

Test Result Peak

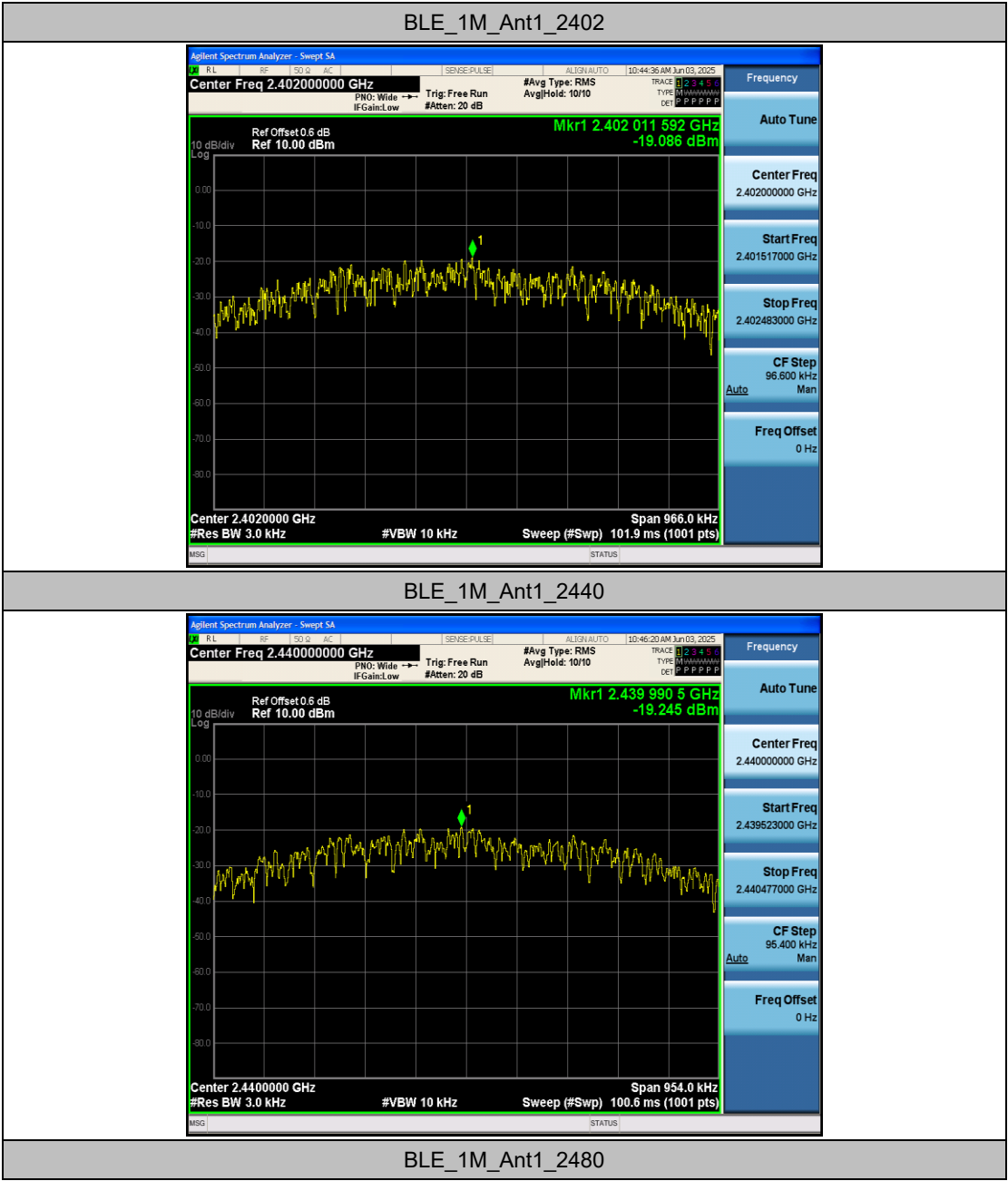
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-3.23	≤30	PASS
		2440	-3.56	≤30	PASS
		2480	-3.59	≤30	PASS

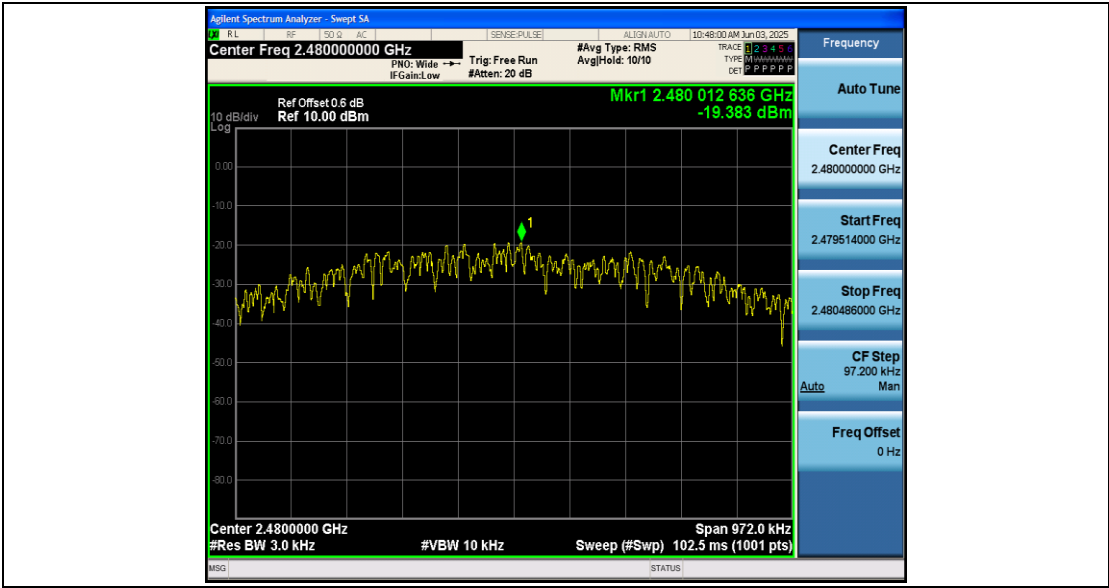
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-19.09	≤8.00	PASS
		2440	-19.25	≤8.00	PASS
		2480	-19.38	≤8.00	PASS

Test Graphs



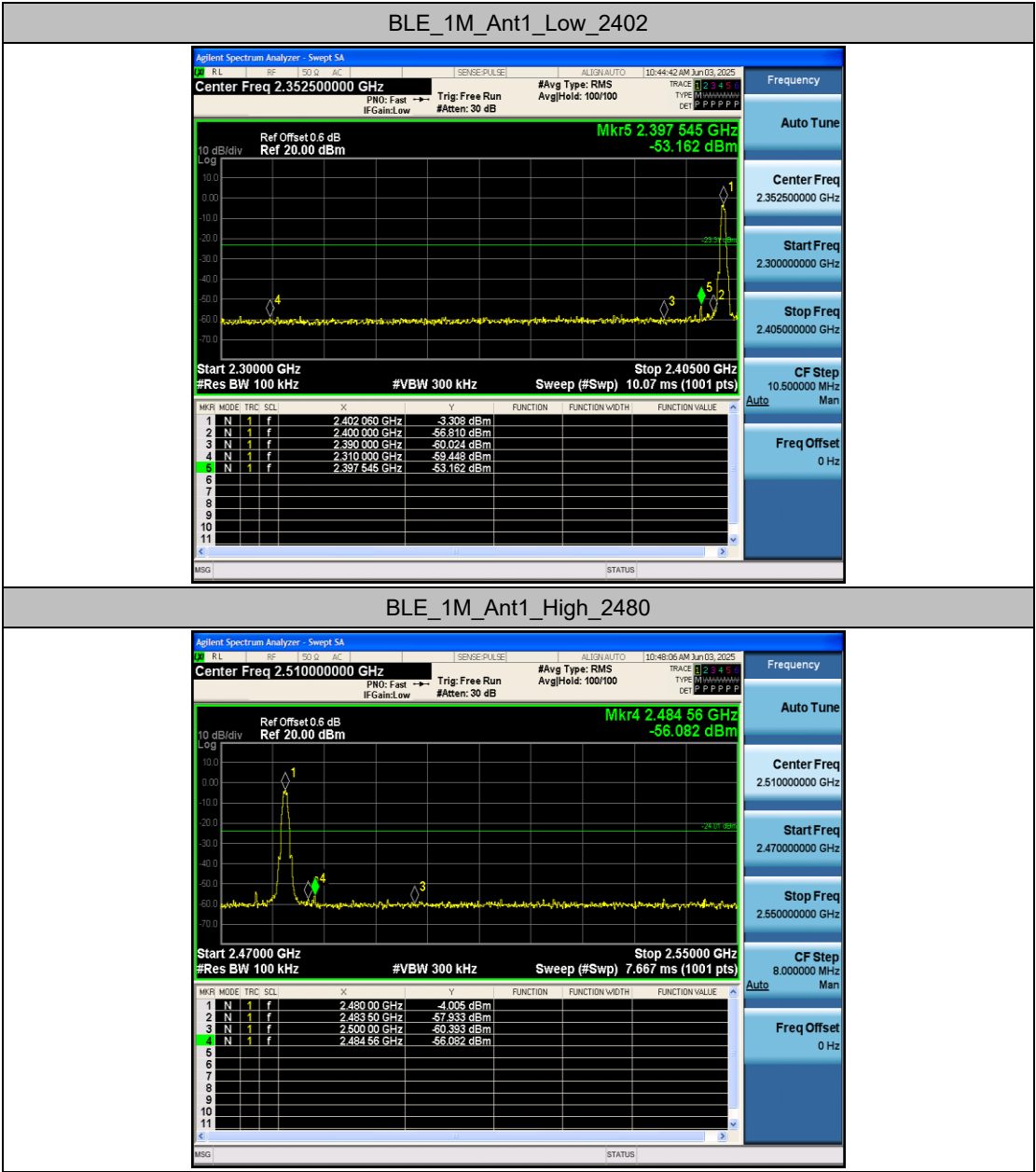


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-3.31	-53.16	≤-23.31	PASS
		High	2480	-4.01	-56.08	≤-24.01	PASS

Test Graphs



Appendix F: Conducted Spurious Emission

Test Result

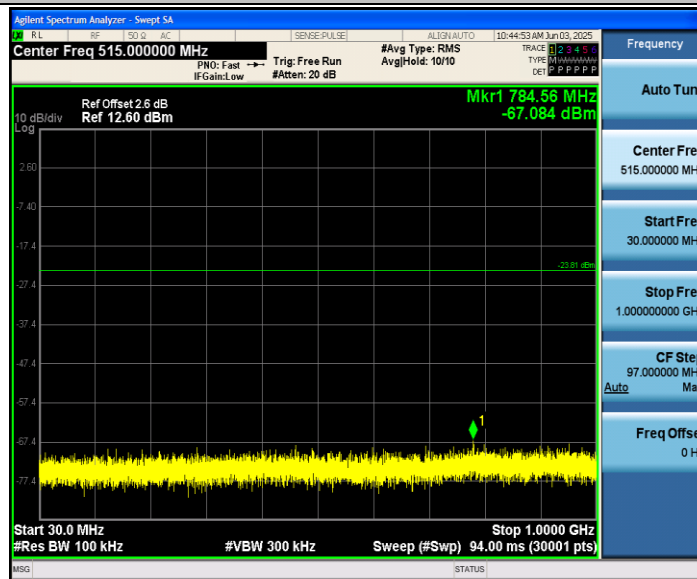
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-3.81	-3.81	---	PASS
			30~1000	-3.81	-67.08	≤-23.81	PASS
			1000~26500	-3.81	-48.32	≤-23.81	PASS
		2440	Reference	-3.72	-3.72	---	PASS
			30~1000	-3.72	-67.47	≤-23.72	PASS
			1000~26500	-3.72	-41.7	≤-23.72	PASS
		2480	Reference	-5.88	-5.88	---	PASS
			30~1000	-5.88	-67.45	≤-25.88	PASS
			1000~26500	-5.88	-47.53	≤-25.88	PASS

Test Graphs

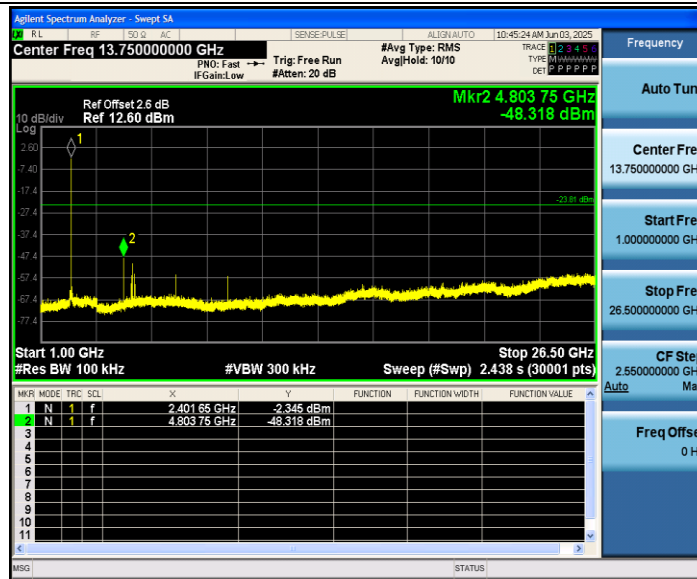
BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



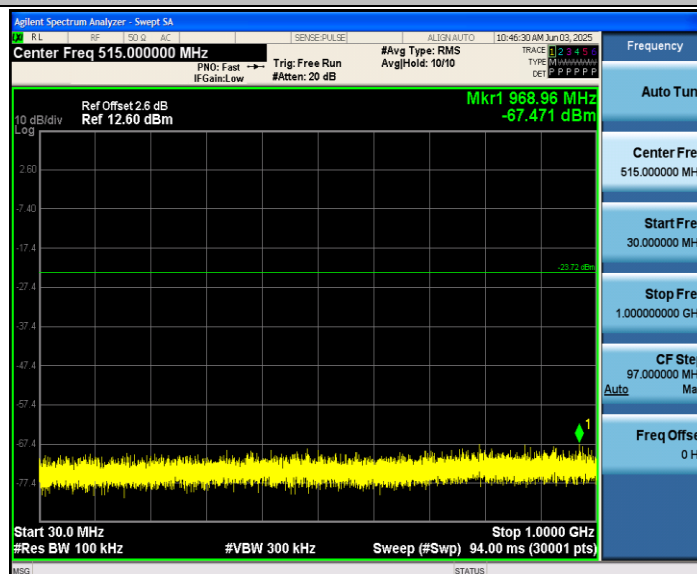
BLE_1M_Ant1_2402_1000~26500



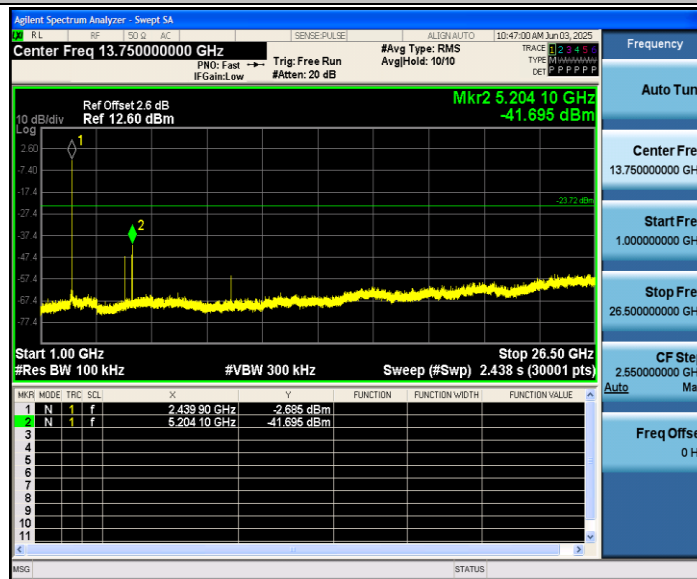
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



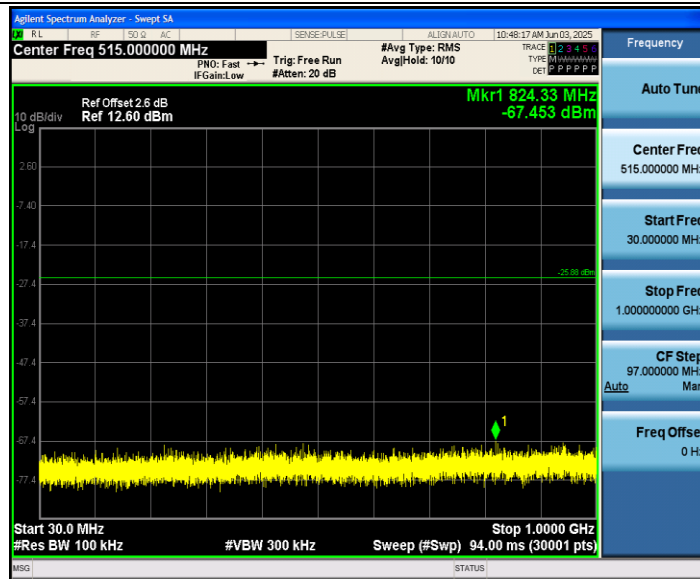
BLE_1M_Ant1_2440_1000~26500



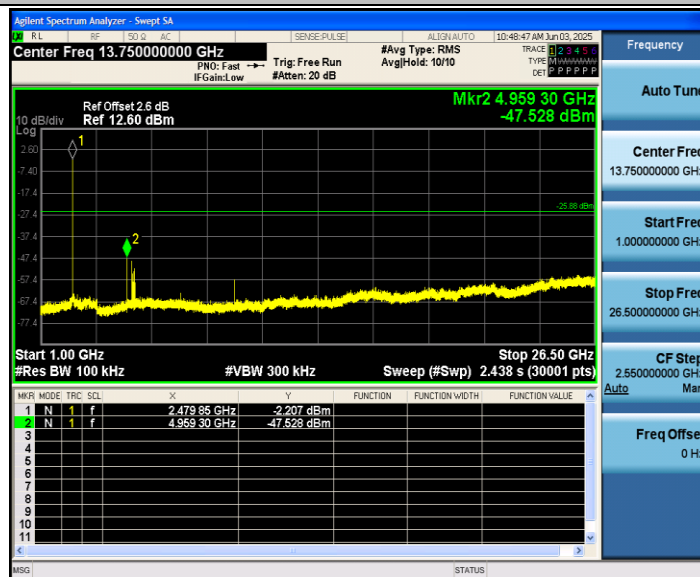
BLE_1M_Ant1_2480_0~Reference



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

