

Appendix RF Test Data for BLE

FCC ID : 2BRST-A2

Company : Shenzhen City Meimeiyizu Technology CO., LTD

EUT : Magnetic selfie screen

Model Number : A2

Report No. : CTA25073000401

Reviewed By : Eric Wang

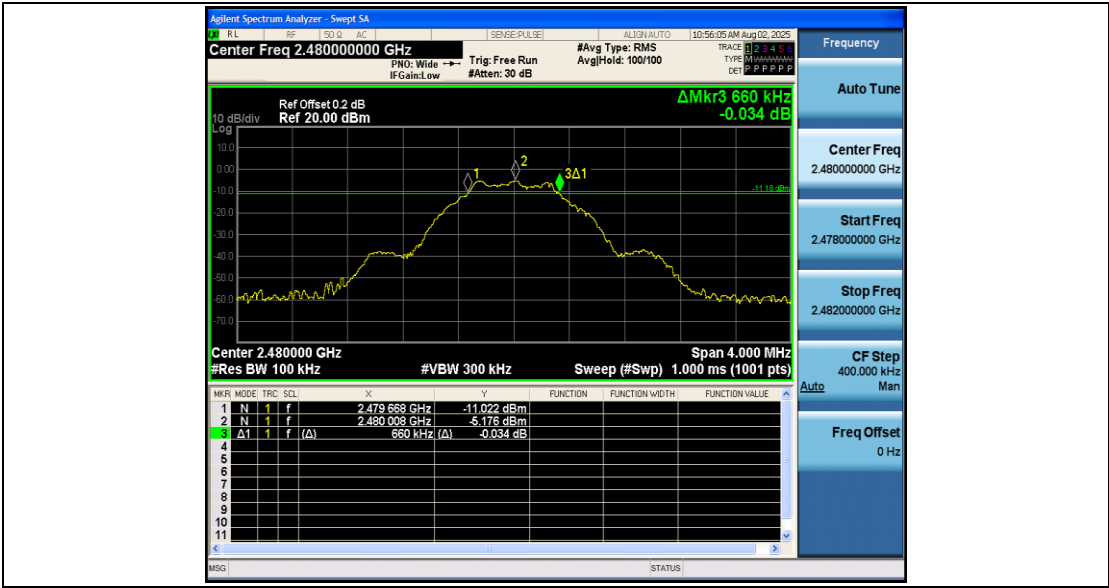
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.660	2401.672	2402.332	0.5	PASS
		2440	0.636	2439.680	2440.316	0.5	PASS
		2480	0.660	2479.668	2480.328	0.5	PASS

Test Graphs





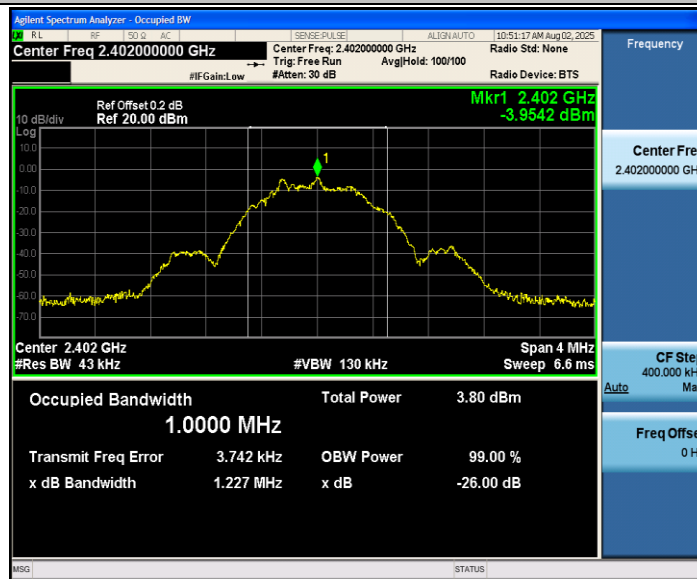
Appendix B: Occupied Channel Bandwidth

Test Result

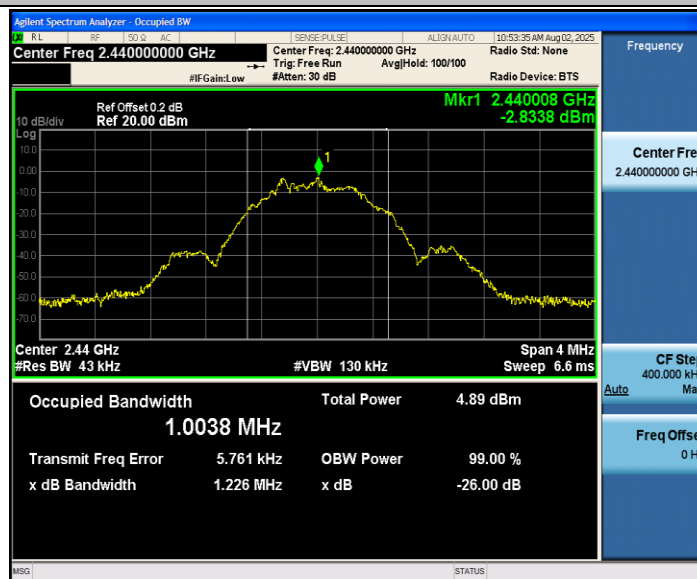
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0000	2401.5037	2402.5037	---	---
		2440	1.0038	2439.5039	2440.5077	---	---
		2480	1.0046	2479.5046	2480.5092	---	---

Test Graphs

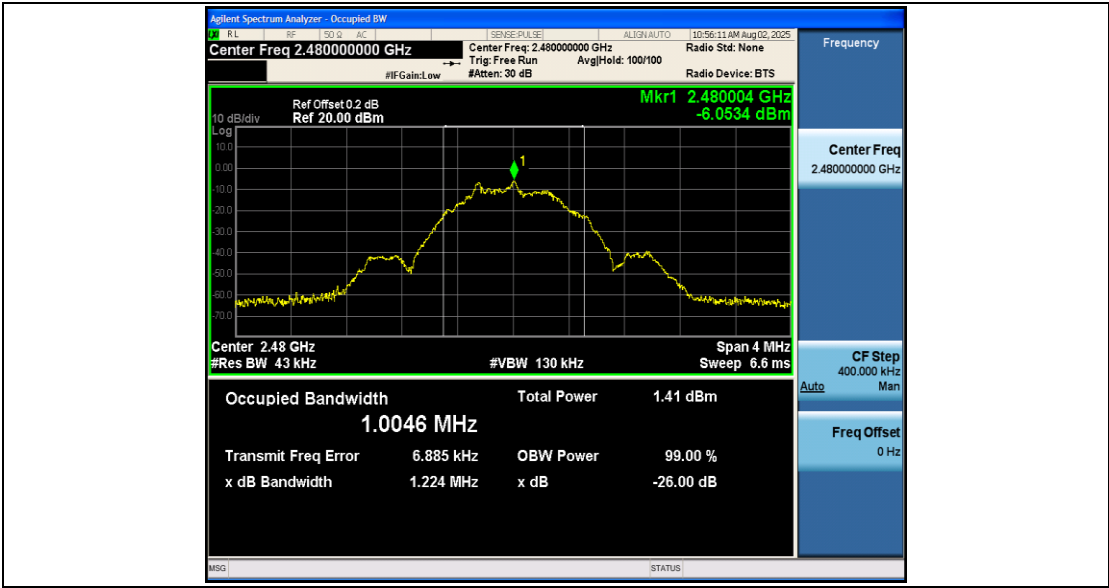
BLE_1M_Ant1_2402



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	-2.41	≤30	PASS
		2440	-4.90	≤30	PASS
		2480	-4.85	≤30	PASS

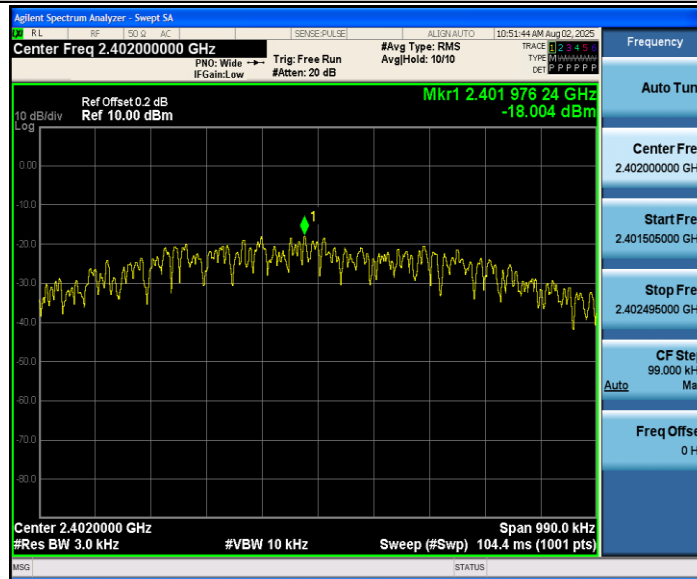
Appendix D: Maximum power spectral density

Test Result

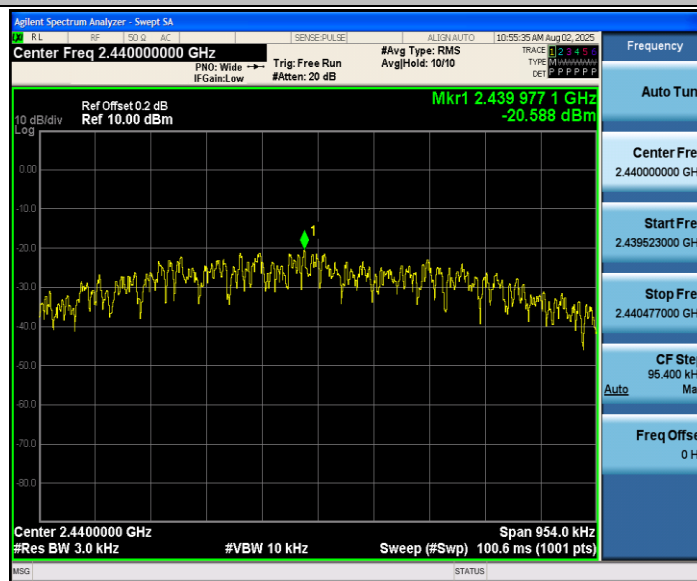
TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.00	≤8.00	PASS
		2440	-20.59	≤8.00	PASS
		2480	-20.42	≤8.00	PASS

Test Graphs

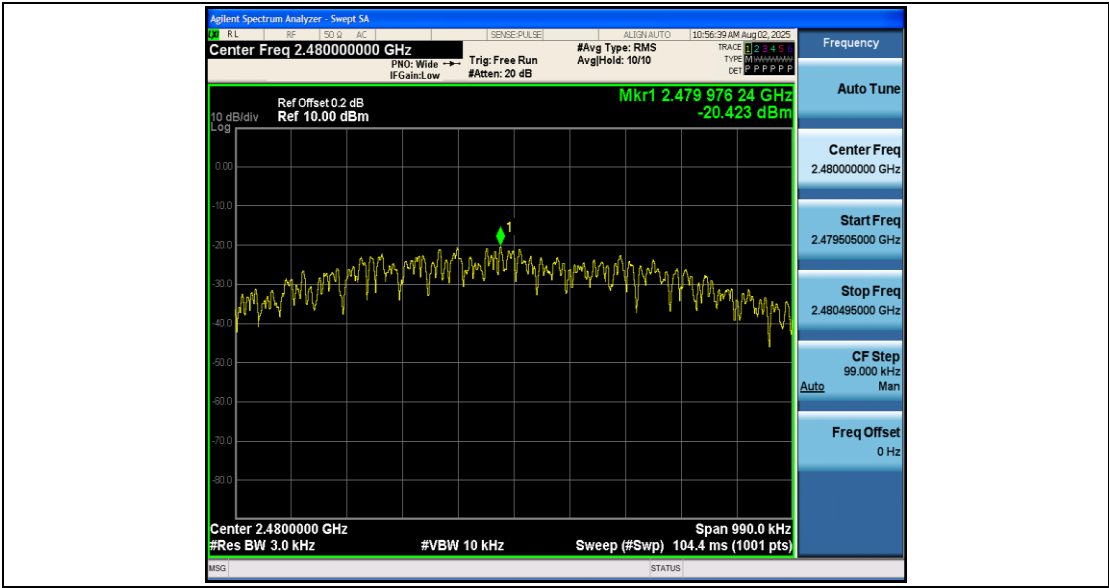
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

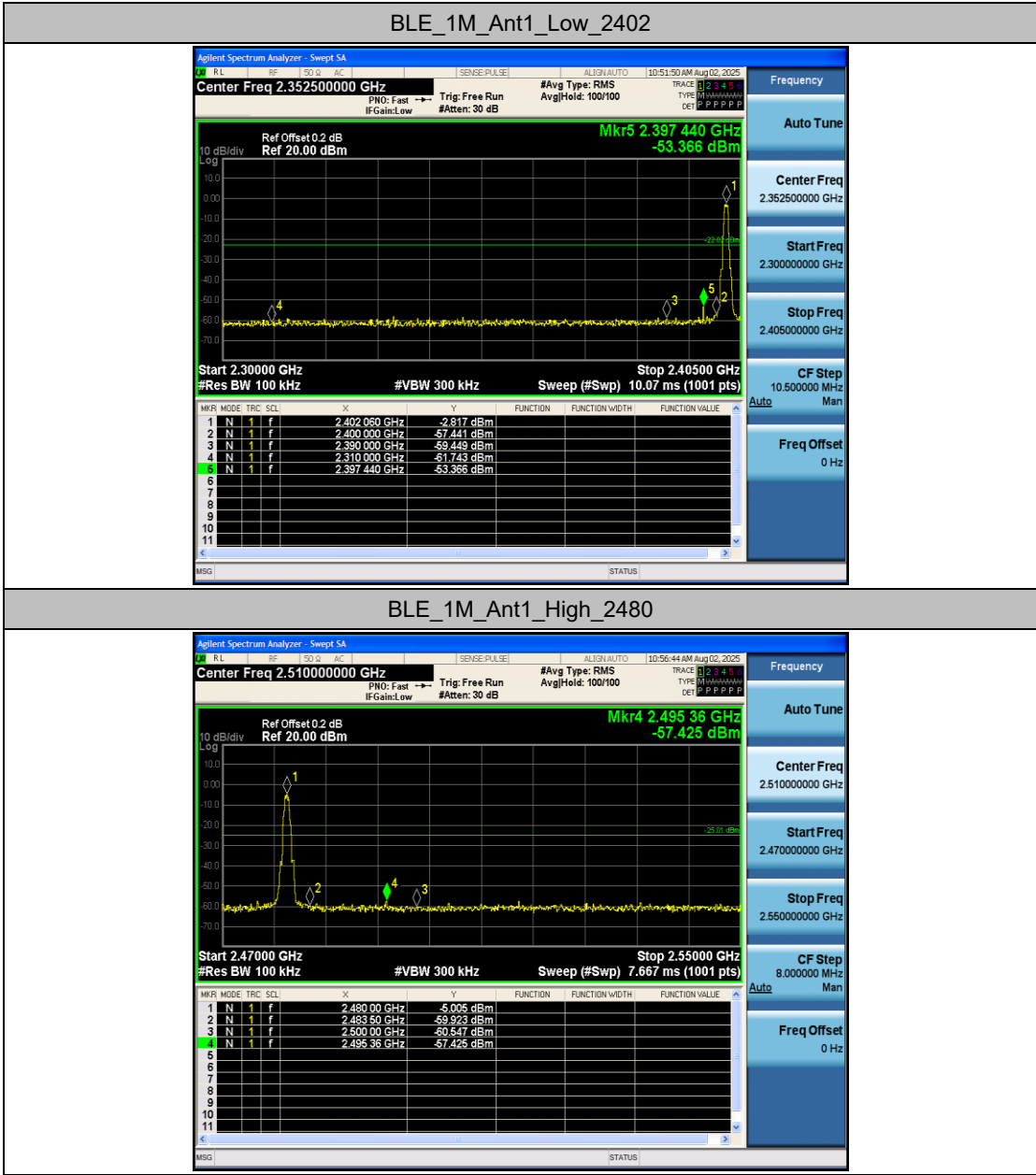


Appendix E: Band edge measurements

Test Result

TestMod e	Antenn a	ChNam e	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdic t
BLE_1M	Ant1	Low	2402	-2.82	-53.37	≤-22.82	PASS
		High	2480	-5.01	-57.43	≤-25.01	PASS

Test Graphs

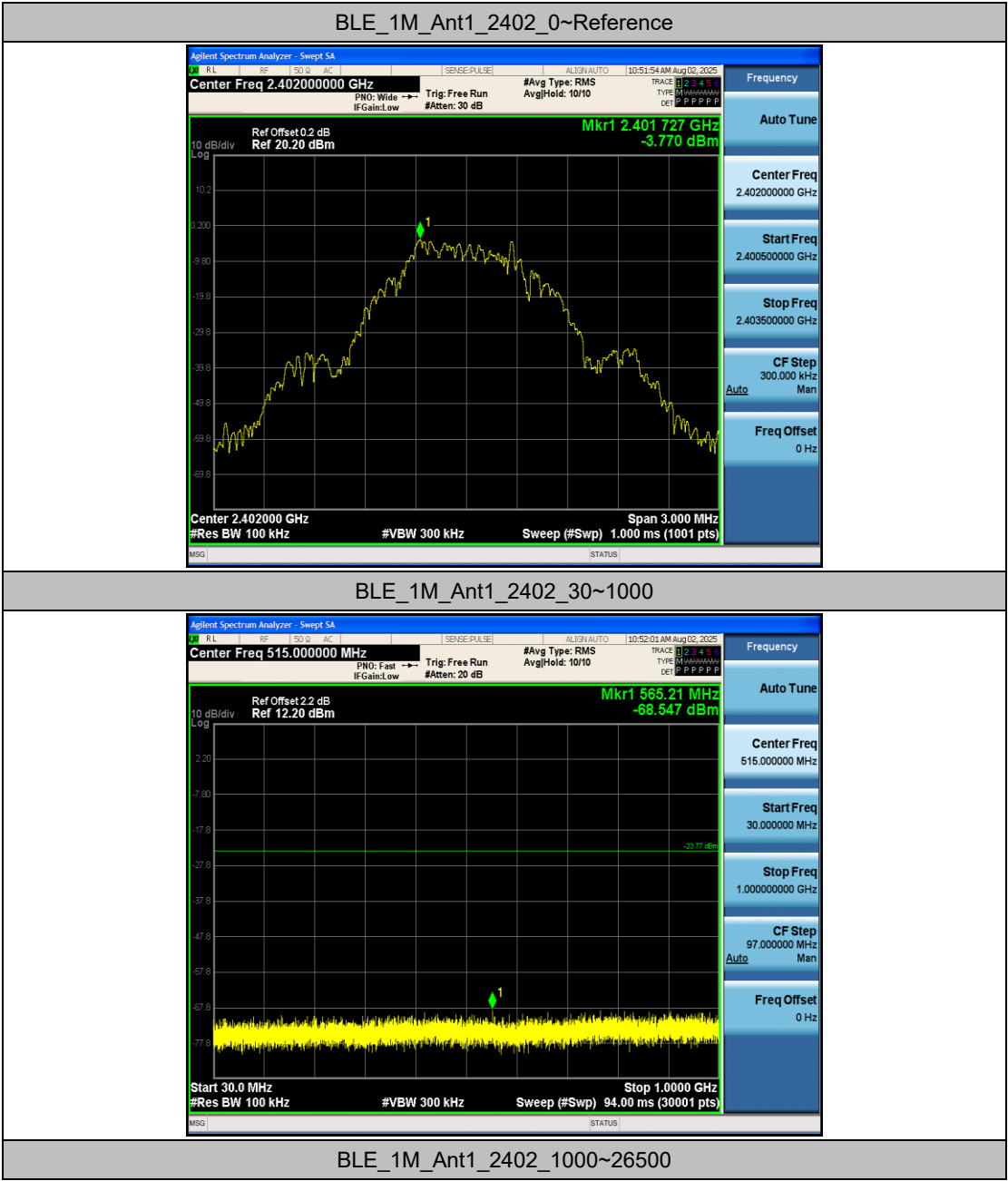


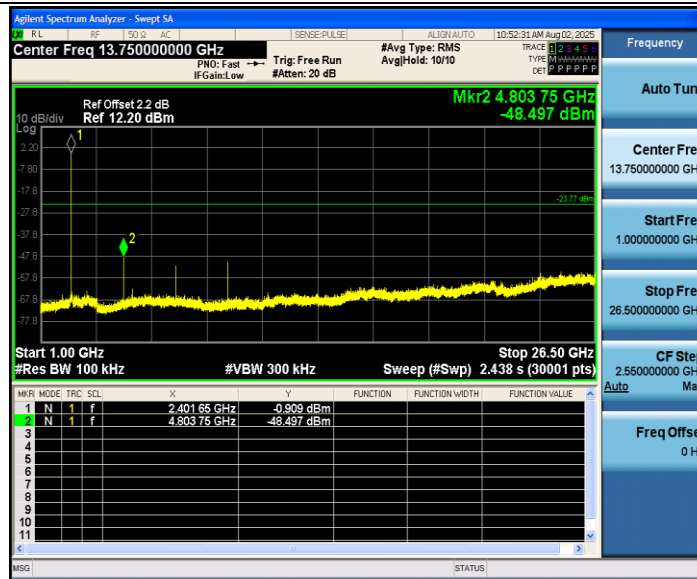
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-3.77	-3.77	---	PASS
			30~1000	-3.77	-68.55	≤ -23.77	PASS
			1000~26500	-3.77	-48.5	≤ -23.77	PASS
		2440	Reference	-2.08	-2.08	---	PASS
			30~1000	-2.08	-68.27	≤ -22.08	PASS
			1000~26500	-2.08	-46.3	≤ -22.08	PASS
		2480	Reference	-6.35	-6.35	---	PASS
			30~1000	-6.35	-68.06	≤ -26.35	PASS
			1000~26500	-6.35	-49.91	≤ -26.35	PASS

Test Graphs

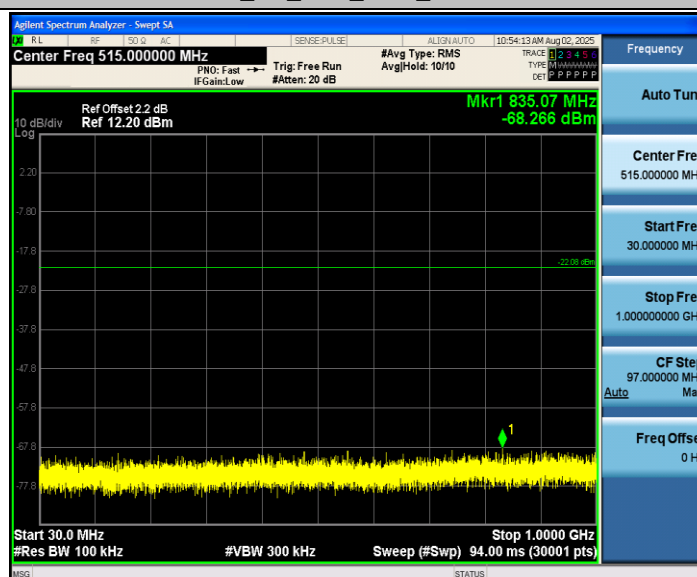




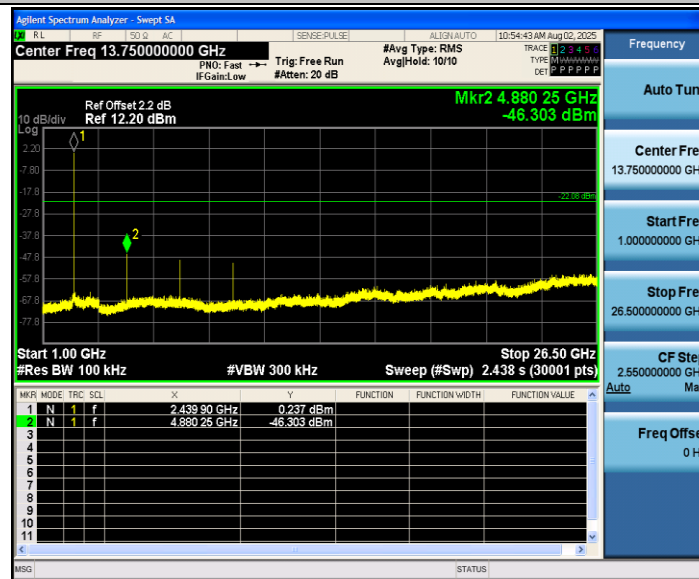
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



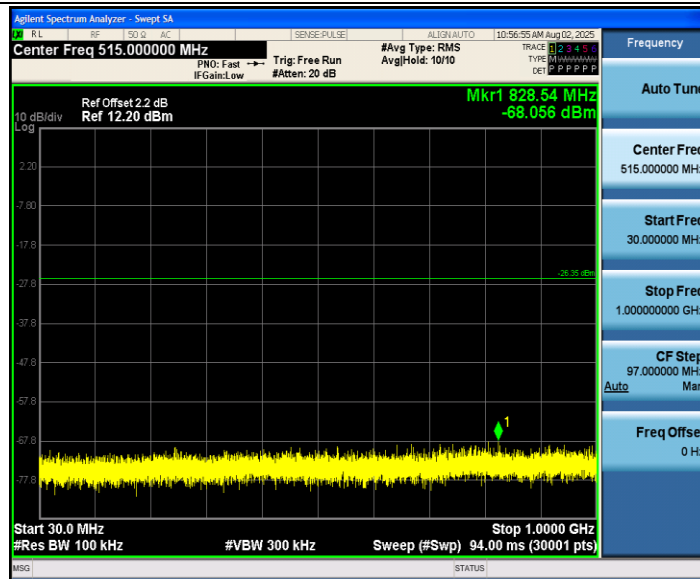
BLE_1M_Ant1_2440_1000~26500



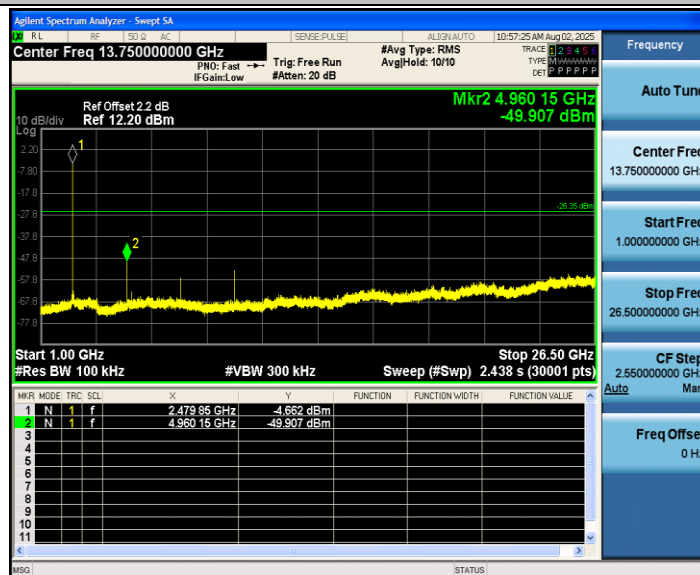
BLE_1M_Ant1_2480_0~Reference



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	0.62	0.6613	66.13	1.80	---	---
		2440	0.41	0.62	0.6613	66.13	1.80	---	---
		2480	0.41	0.63	0.6508	65.08	1.87	---	---

Test Graphs

