

FCC Appendix RF Test Data

FCC ID : 2BOXW-G22

Company: : WENZHOU JINHAO COMBINATION LOCK CO.,LTD

EUT : Smart key safe

Model Number : G22

Report No. : CTA25041600601

Reviewed By : Eric Wang

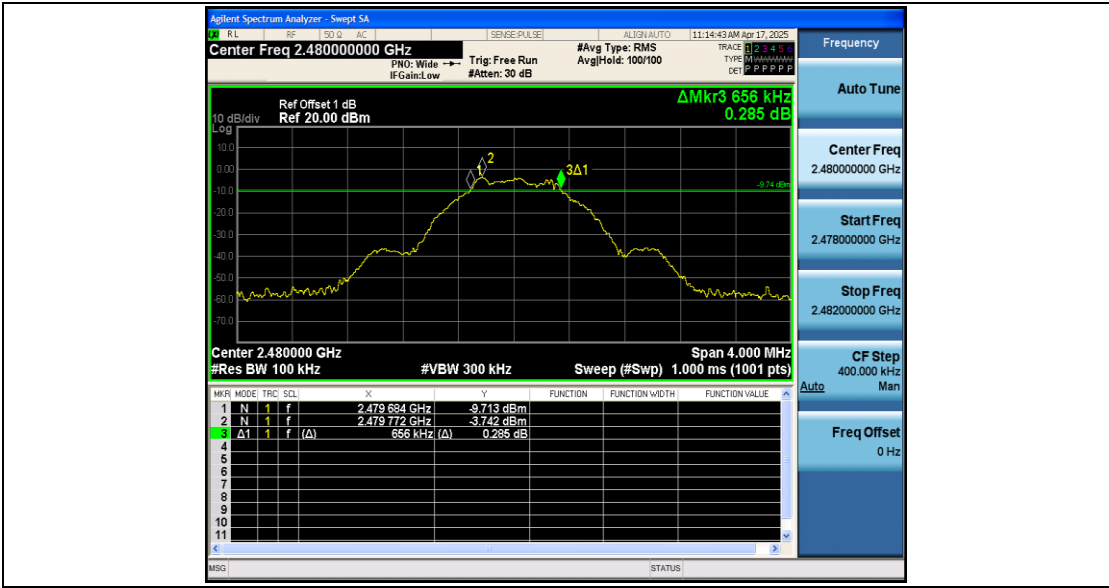
Appendix A: DTS Bandwidth

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	2439.692	2440.324	0.5	PASS
		2480	0.656	2479.684	2480.340	0.5	PASS

Test Graphs





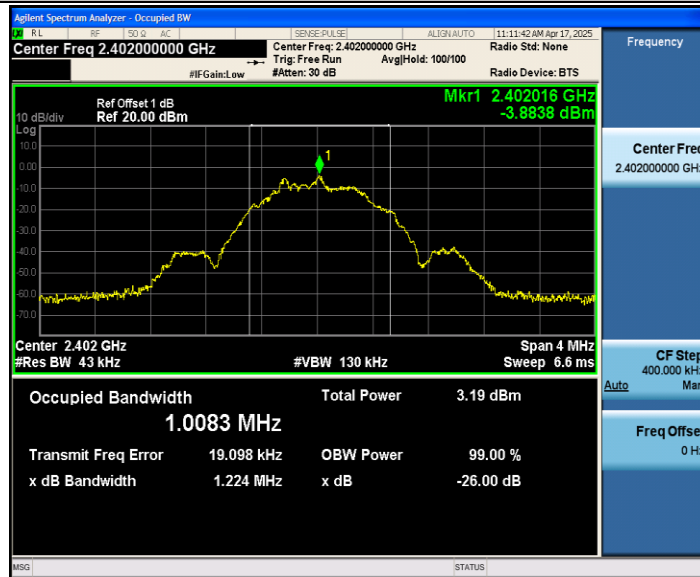
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0083	2401.5150	2402.5233	---	---
		2440	1.0042	2439.5156	2440.5198	---	---
		2480	1.0039	2479.5175	2480.5214	---	---

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



Appendix C: Maximum conducted output power

Test Result Peak

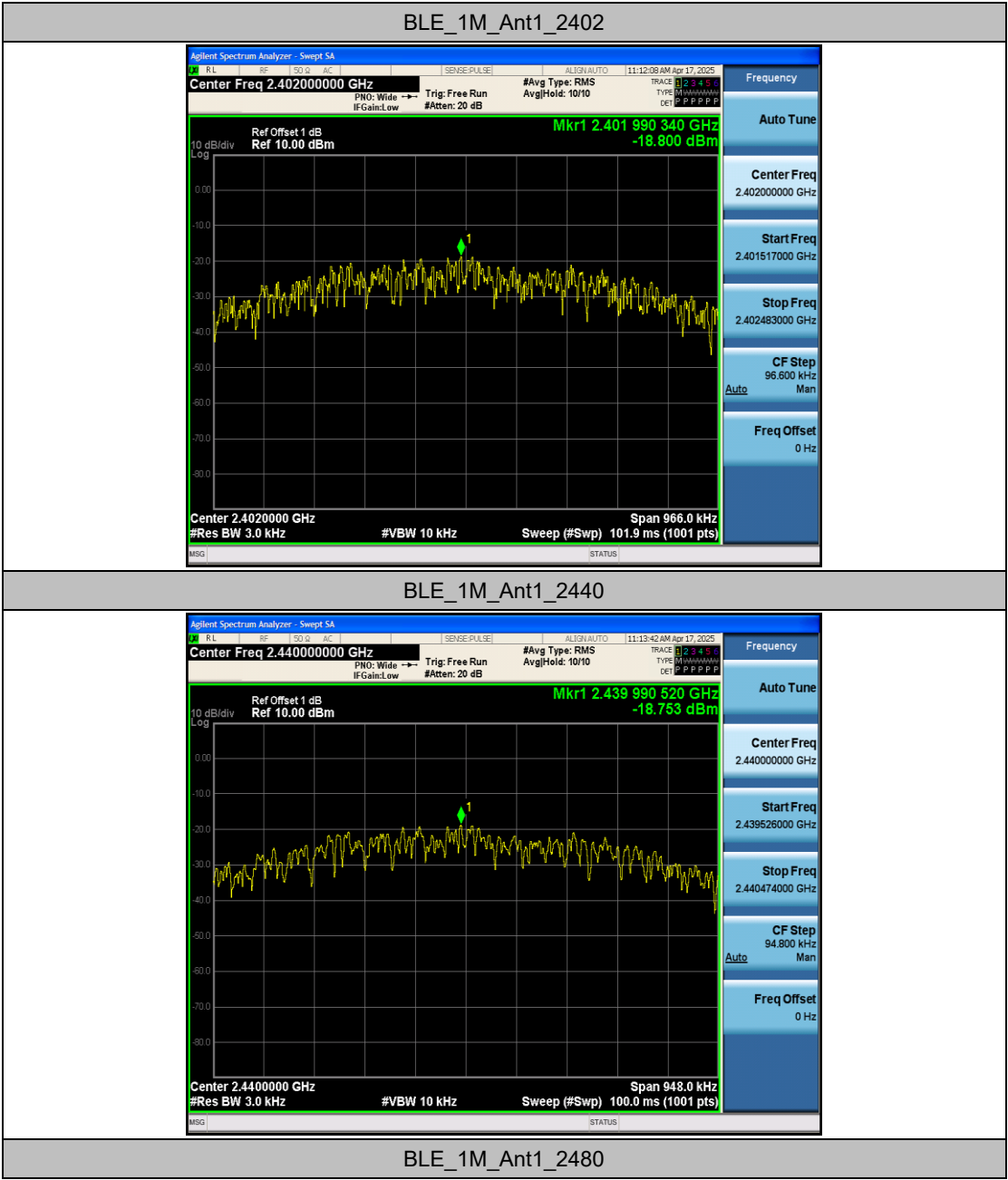
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-2.87	≤30	PASS
		2440	-3.15	≤30	PASS
		2480	-3.13	≤30	PASS

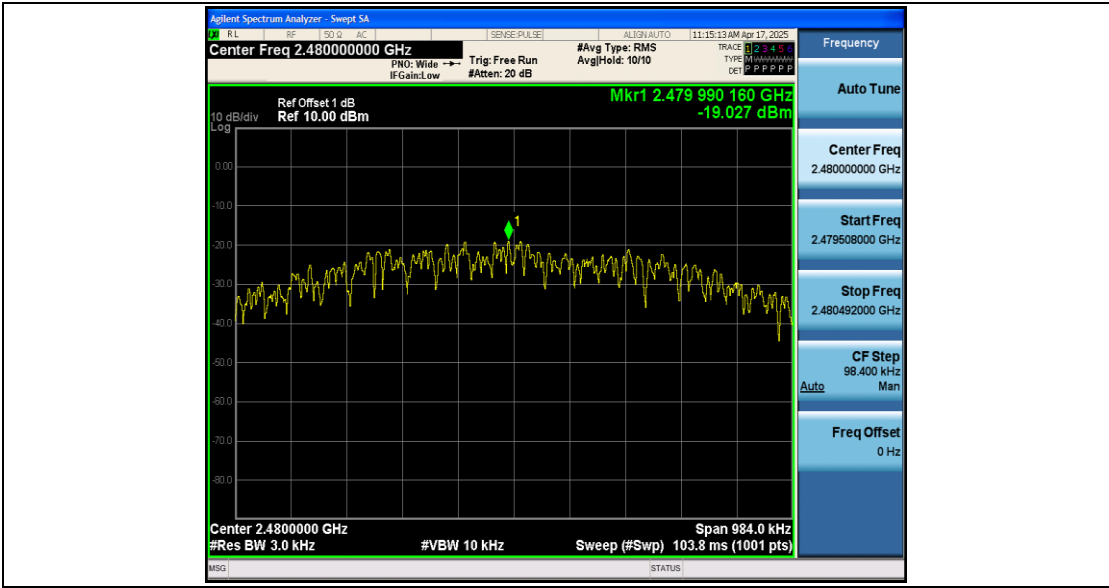
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.80	≤8.00	PASS
		2440	-18.75	≤8.00	PASS
		2480	-19.03	≤8.00	PASS

Test Graphs



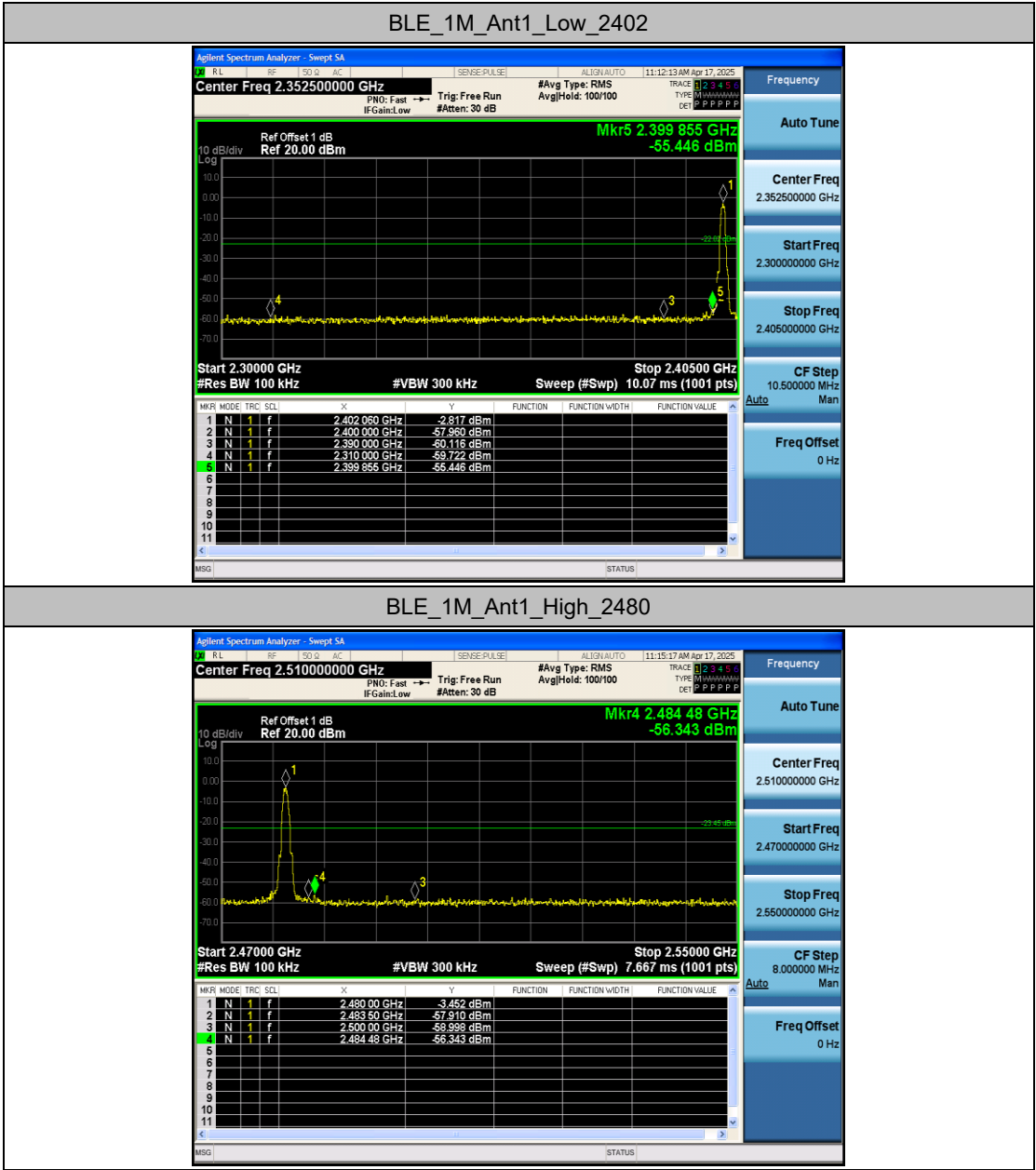


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.82	-55.45	≤-22.82	PASS
		High	2480	-3.45	-56.34	≤-23.45	PASS

Test Graphs

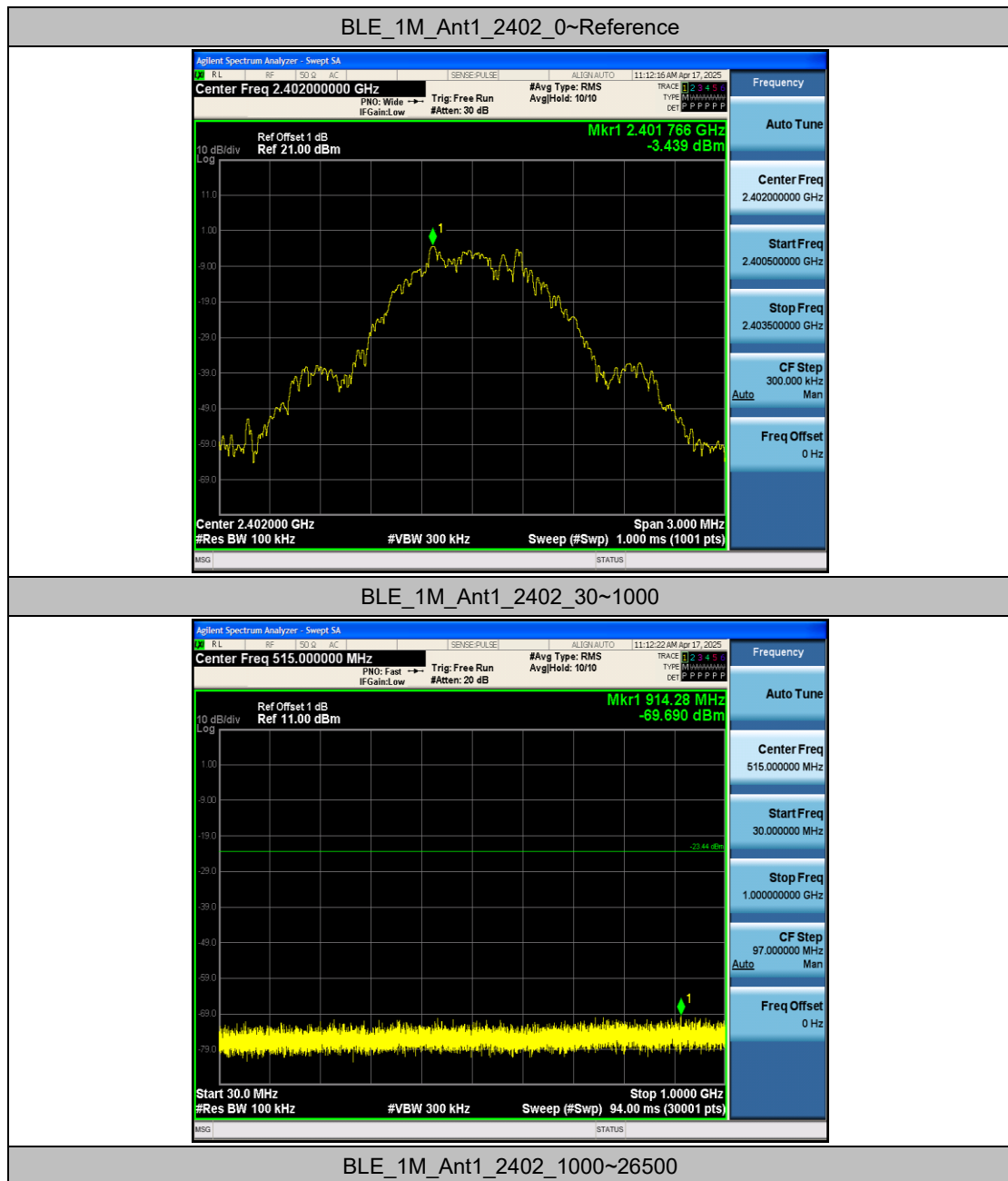


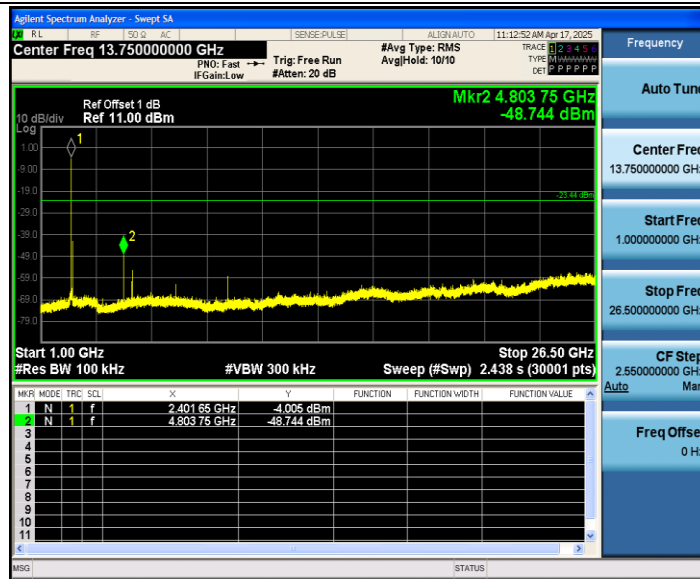
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-3.44	-3.44	---	PASS
			30~1000	-3.44	-69.69	≤-23.44	PASS
			1000~26500	-3.44	-48.74	≤-23.44	PASS
		2440	Reference	-4.55	-4.55	---	PASS
			30~1000	-4.55	-68.11	≤-24.55	PASS
			1000~26500	-4.55	-50.37	≤-24.55	PASS
		2480	Reference	-5.20	-5.20	---	PASS
			30~1000	-5.20	-69.61	≤-25.2	PASS
			1000~26500	-5.20	-46	≤-25.2	PASS

Test Graphs

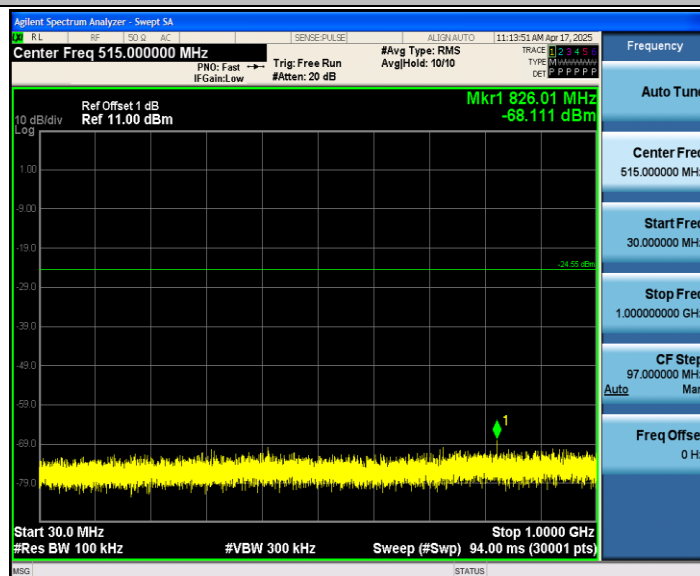




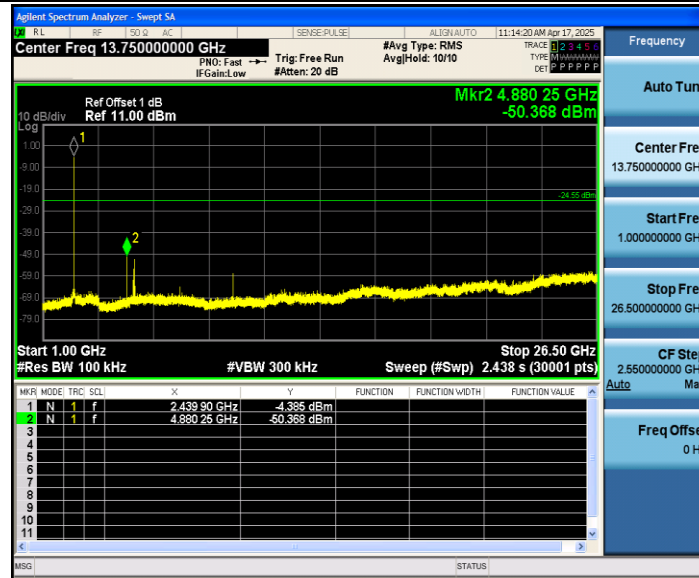
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



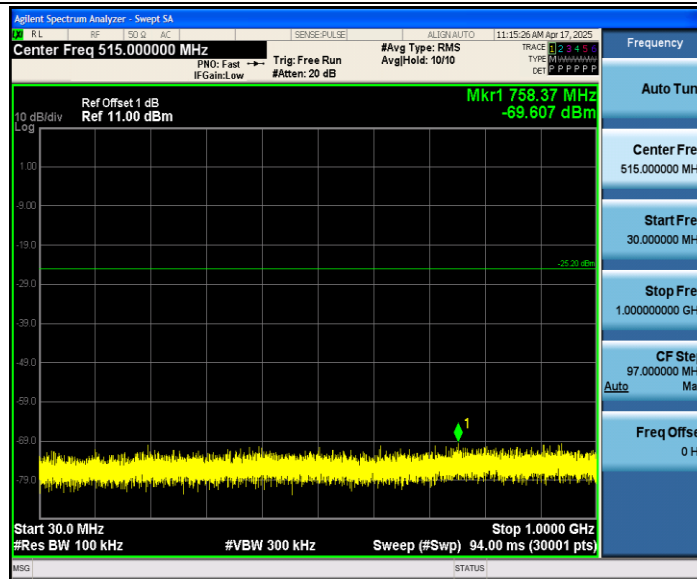
BLE_1M_Ant1_2440_1000~26500



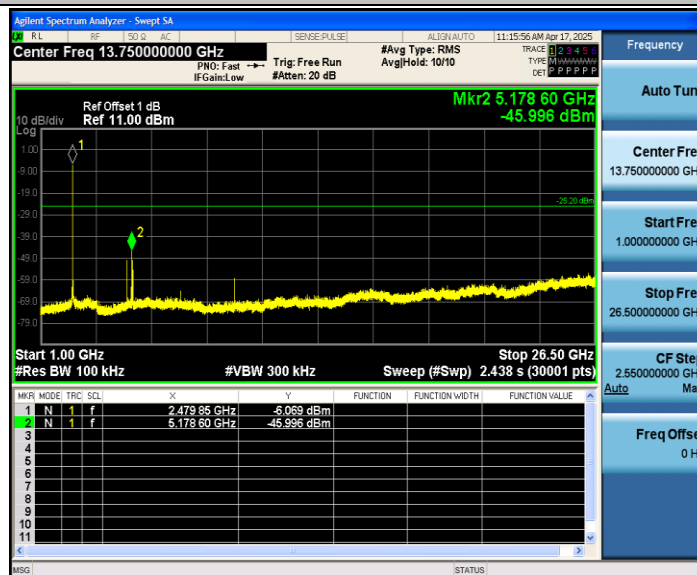
BLE_1M_Ant1_2480_0~Reference



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

