

FCC Appendix RF Test Data for BLE

FCC ID : 2AZW2-E12

Company : Beijing Supvan Information Technology Co., Ltd.

EUT : Label Maker

Model Number : KATASYMBOL E12

Report No. : CTA25121701201

Reviewed By : Eric Wang

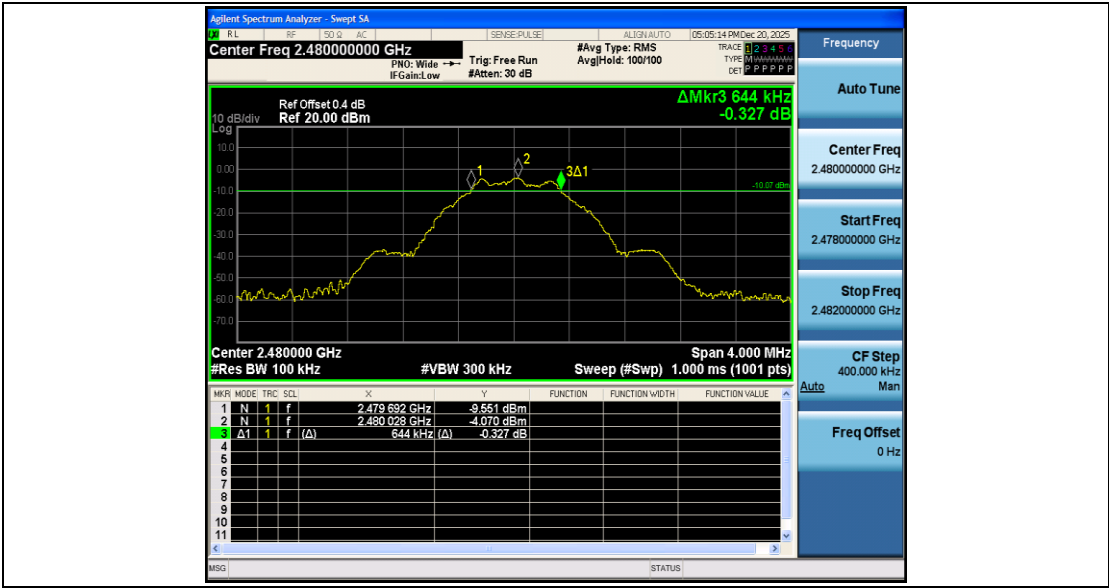
Appendix A: DTS Bandwidth

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	0.644	2439.692	2440.336	0.5	PASS
		2480	0.644	2479.692	2480.336	0.5	PASS

Test Graphs





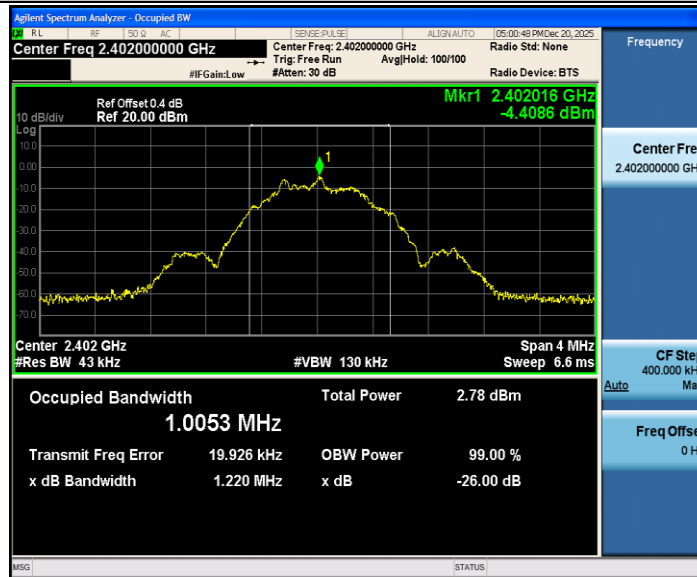
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0053	2401.5173	2402.5226	---	---
		2440	1.0053	2439.5161	2440.5214	---	---
		2480	0.99909	2479.5198	2480.5189	---	---

Test Graphs

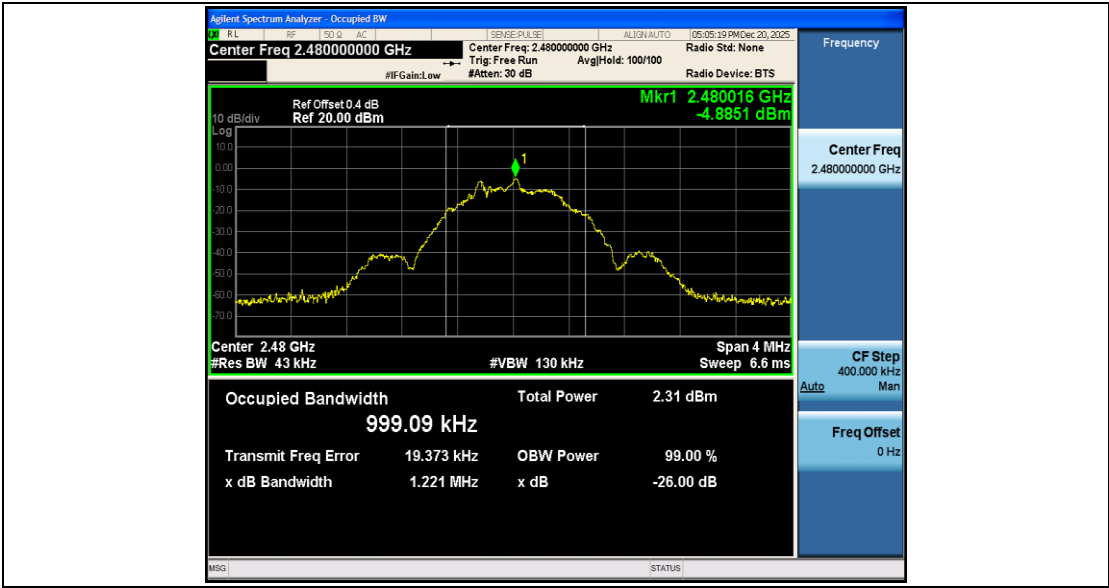
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



Appendix C: Maximum conducted output power

Test Result Peak

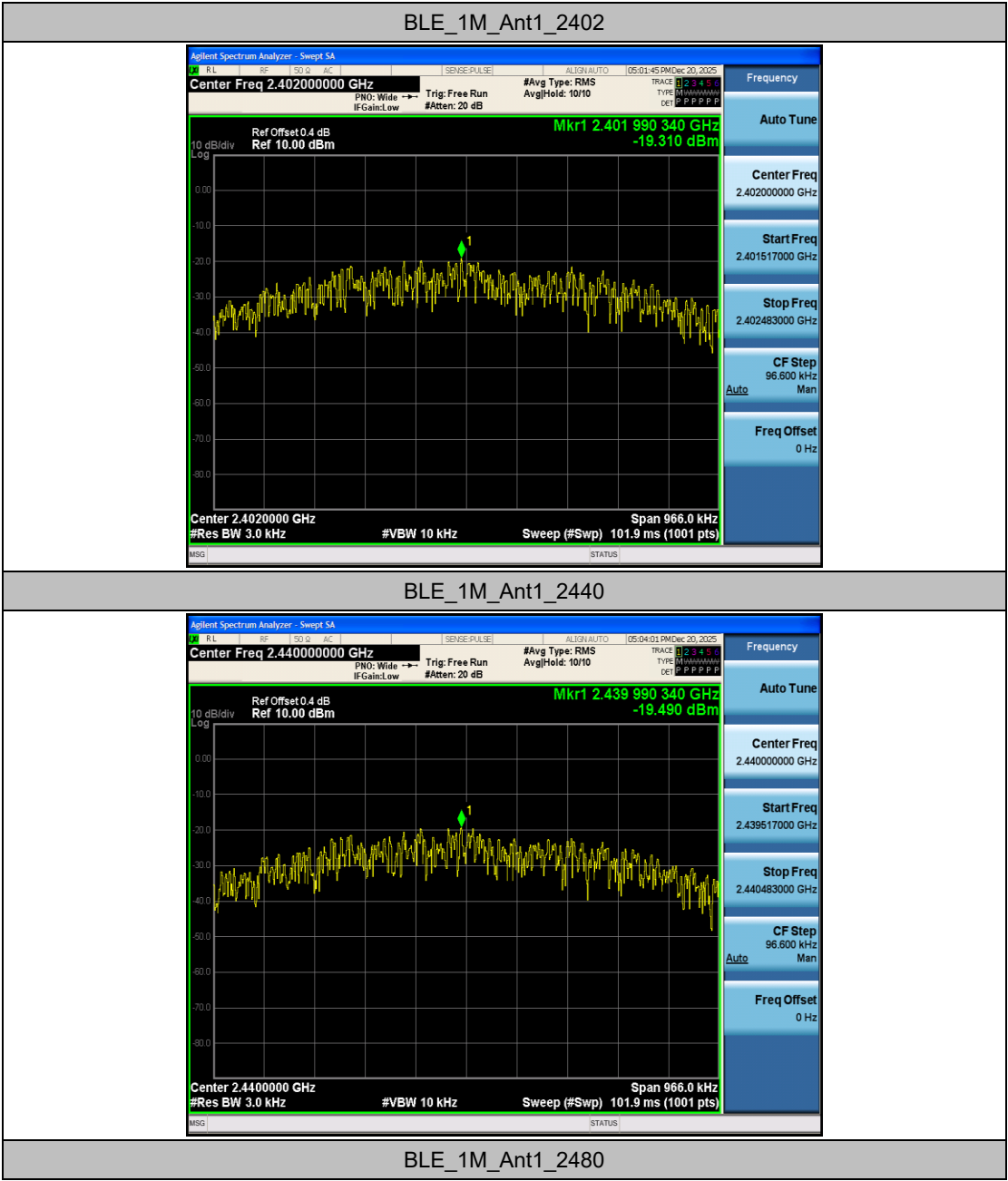
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-3.43	≤30	PASS
		2440	-3.76	≤30	PASS
		2480	-3.81	≤30	PASS

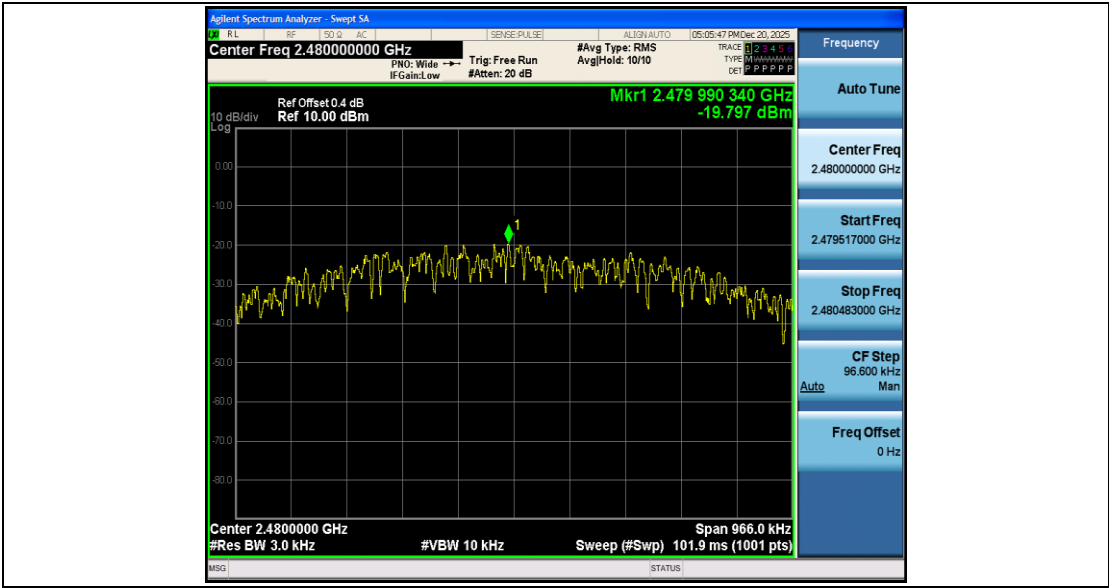
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-19.31	≤8.00	PASS
		2440	-19.49	≤8.00	PASS
		2480	-19.80	≤8.00	PASS

Test Graphs



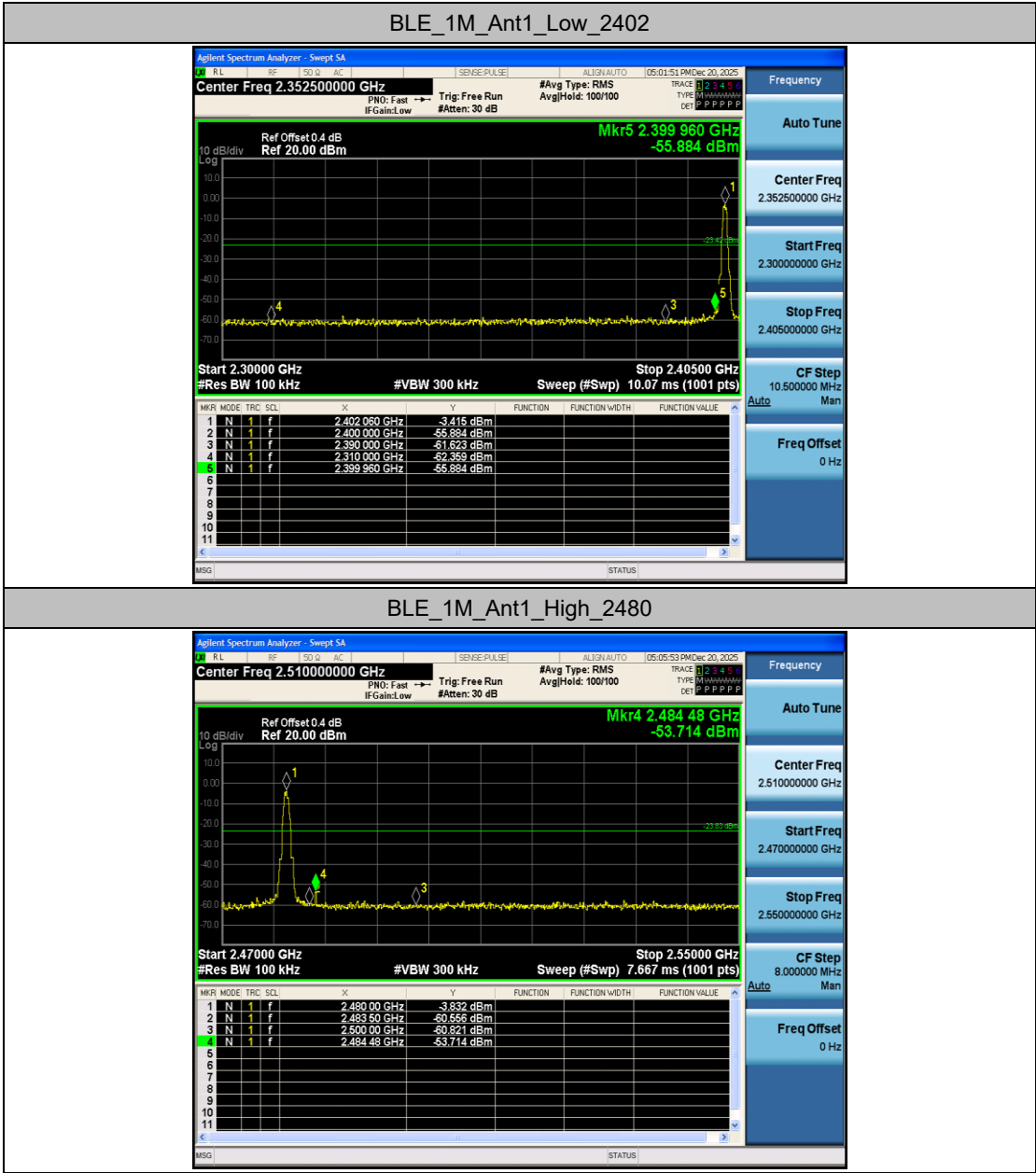


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-3.42	-55.88	≤-23.42	PASS
		High	2480	-3.83	-53.71	≤-23.83	PASS

Test Graphs

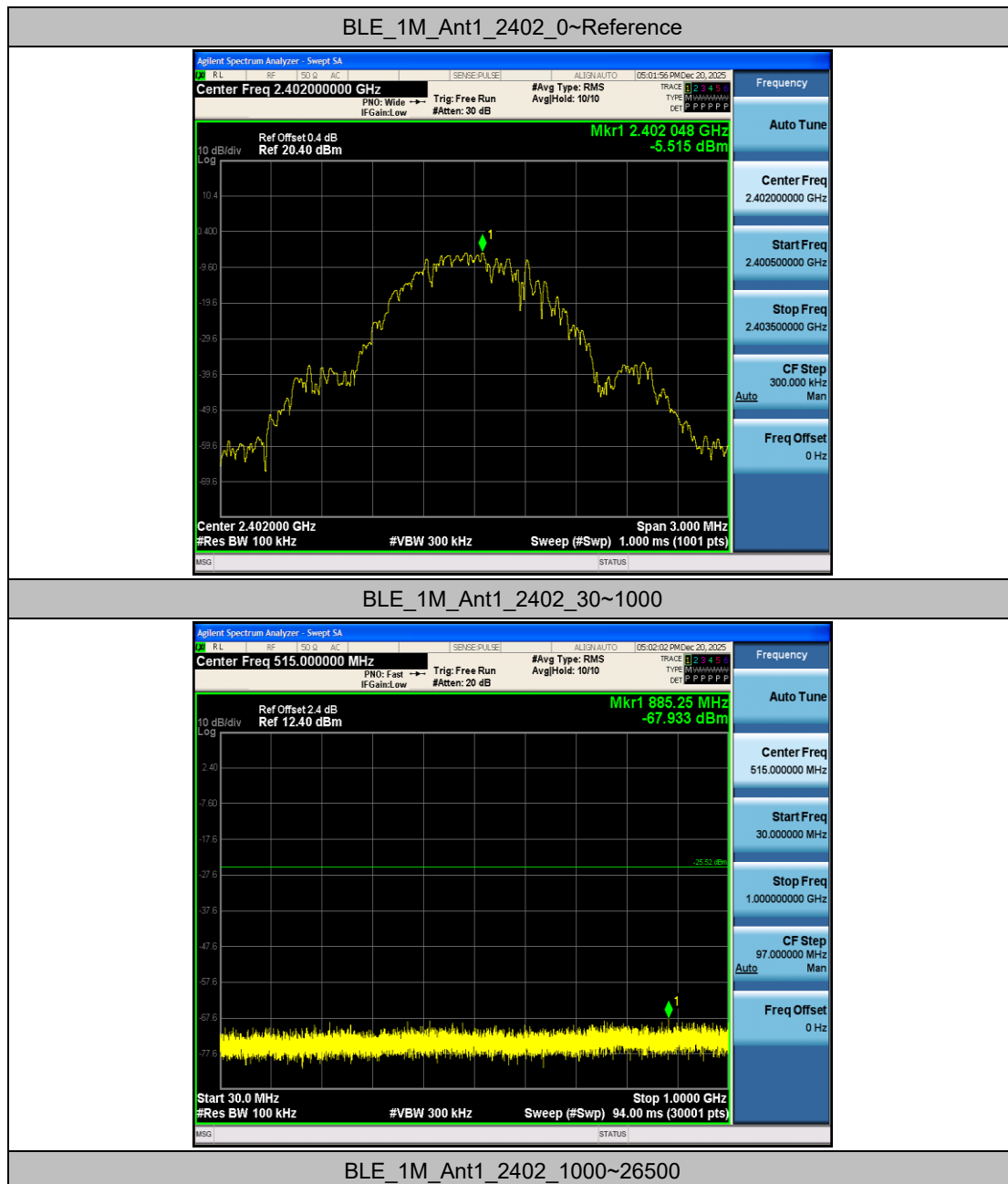


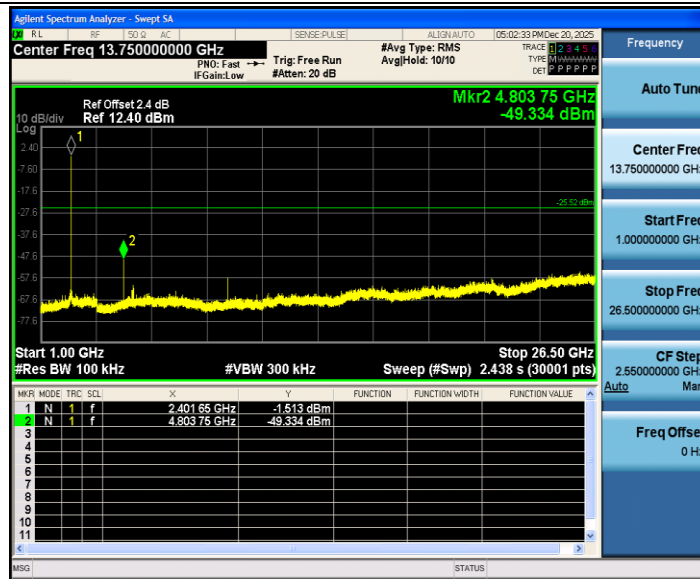
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-5.52	-5.52	---	PASS
			30~1000	-5.52	-67.93	≤-25.52	PASS
			1000~26500	-5.52	-49.33	≤-25.52	PASS
		2440	Reference	-4.74	-4.74	---	PASS
			30~1000	-4.74	-67.81	≤-24.74	PASS
			1000~26500	-4.74	-48.68	≤-24.74	PASS
		2480	Reference	-5.35	-5.35	---	PASS
			30~1000	-5.35	-66.32	≤-25.35	PASS
			1000~26500	-5.35	-47.24	≤-25.35	PASS

Test Graphs

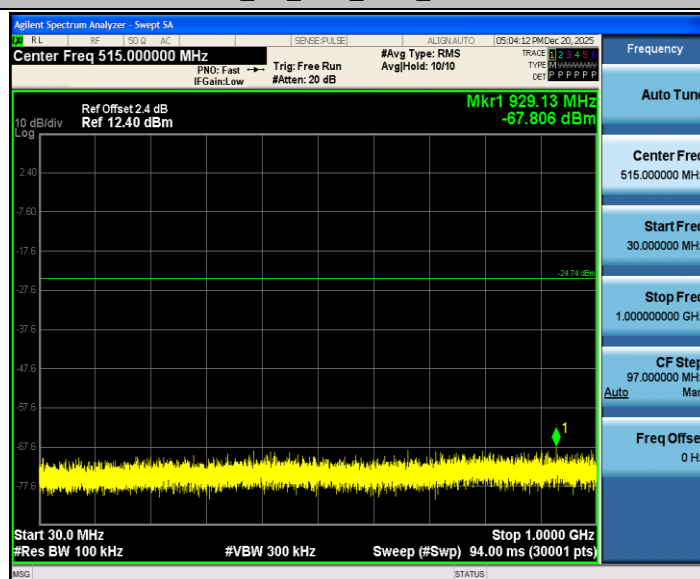




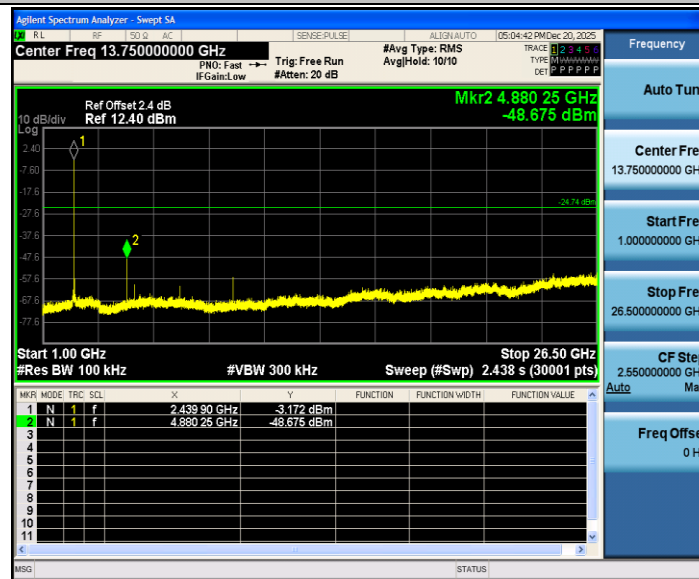
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



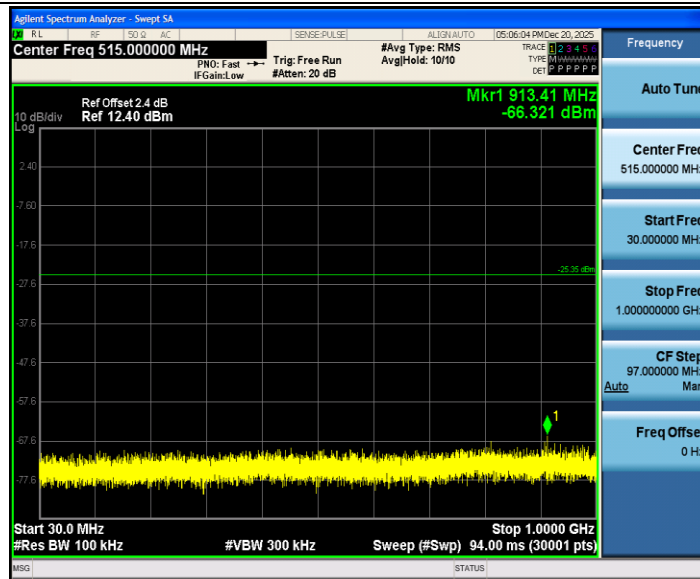
BLE_1M_Ant1_2440_1000~26500



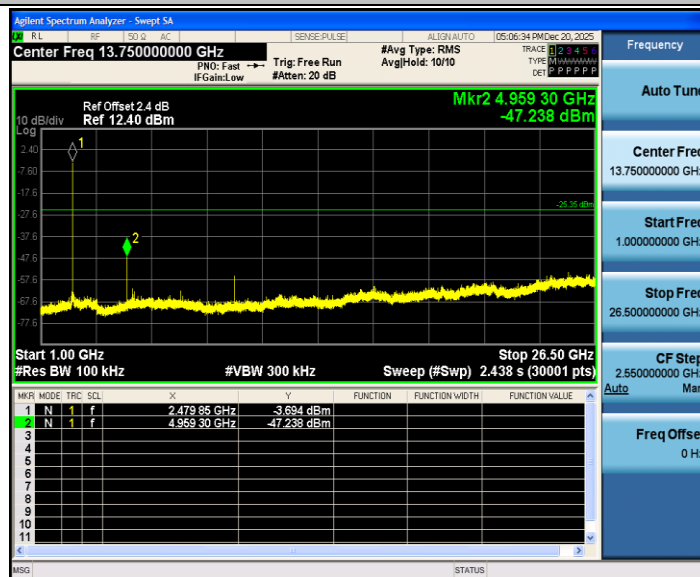
BLE_1M_Ant1_2480_0~Reference



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	0.63	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

