

FCC Appendix RF Test Data

FCC ID : 2BM37-YY1-0292

Company : Shenzhen Xinmen united trade Co., LTD

EUT : Develop and design board modules

Model Number : YY1-0292

Report No. : CTA25060400201

Reviewed By : Eric Wang

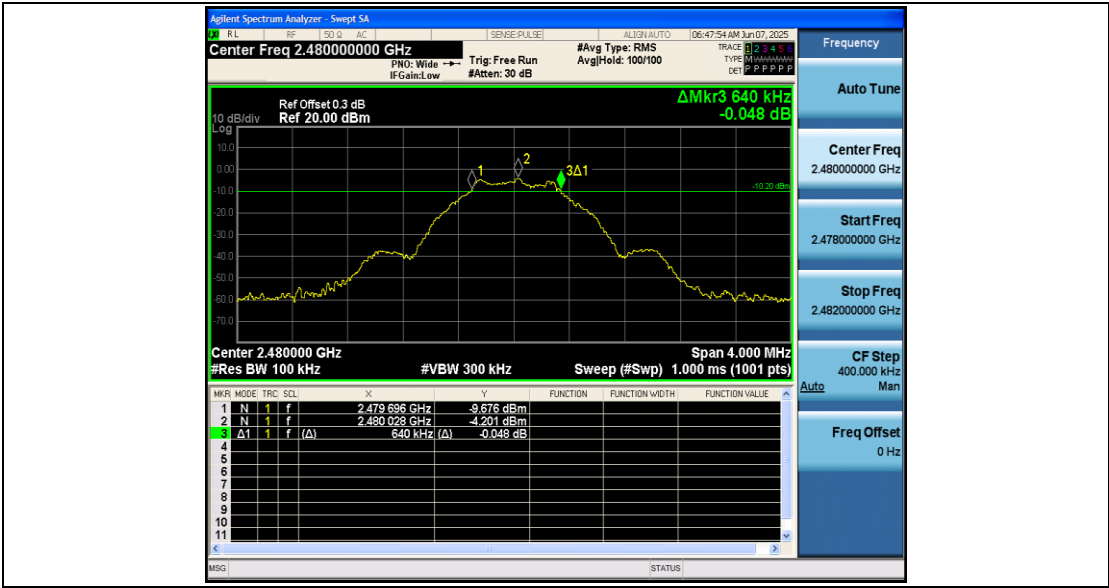
Appendix A: DTS Bandwidth

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	0.640	2479.696	2480.336	0.5	PASS

Test Graphs





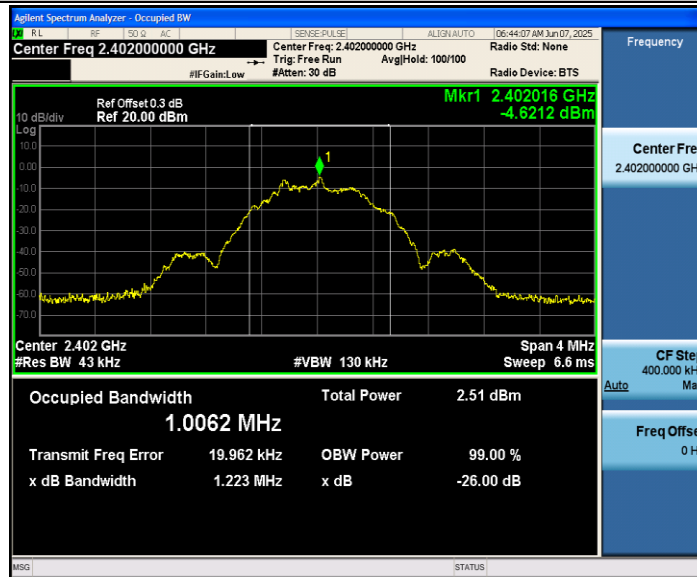
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0062	2401.5169	2402.5231	---	---
		2440	1.0028	2439.5193	2440.5221	---	---
		2480	1.0025	2479.5189	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

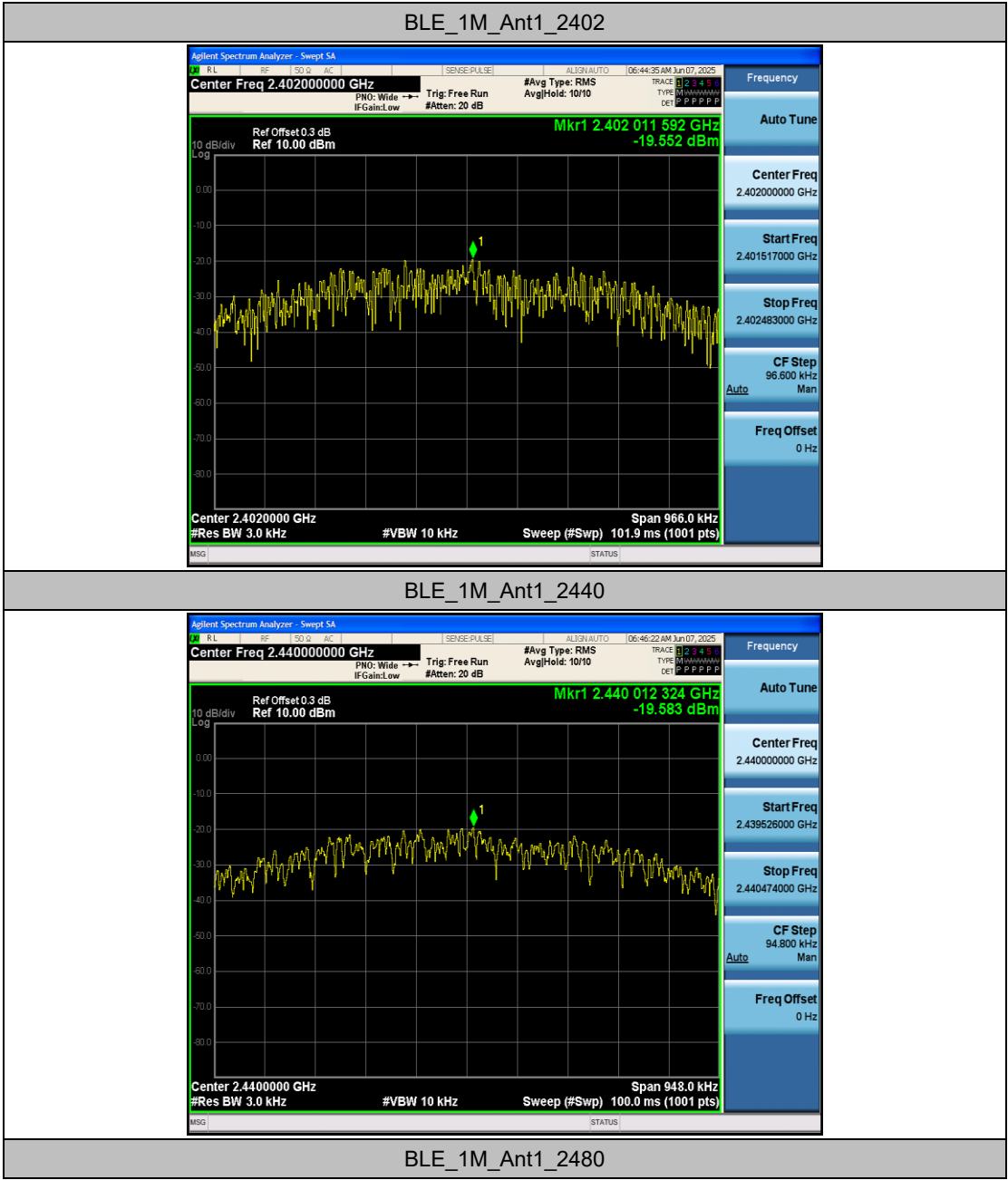
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-3.54	≤30	PASS
		2440	-3.90	≤30	PASS
		2480	-3.97	≤30	PASS

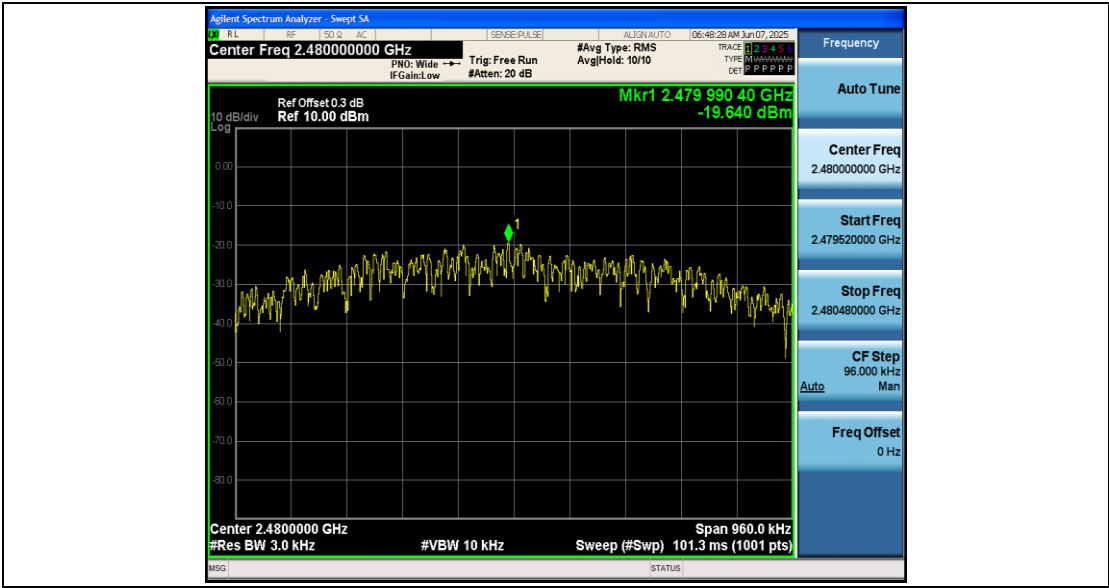
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-19.55	≤8.00	PASS
		2440	-19.58	≤8.00	PASS
		2480	-19.64	≤8.00	PASS

Test Graphs



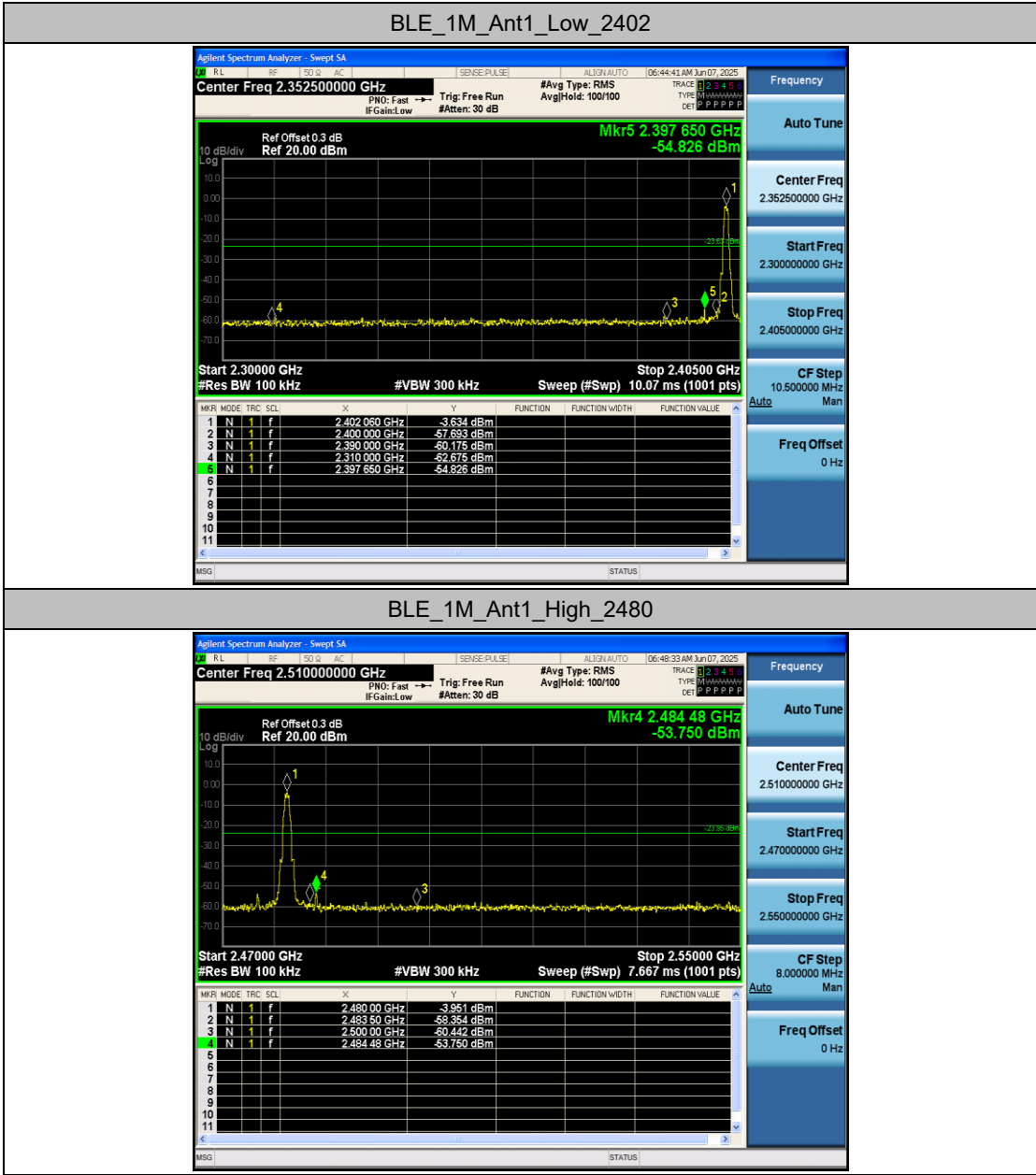


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-3.63	-54.83	≤-23.63	PASS
		High	2480	-3.95	-53.75	≤-23.95	PASS

Test Graphs

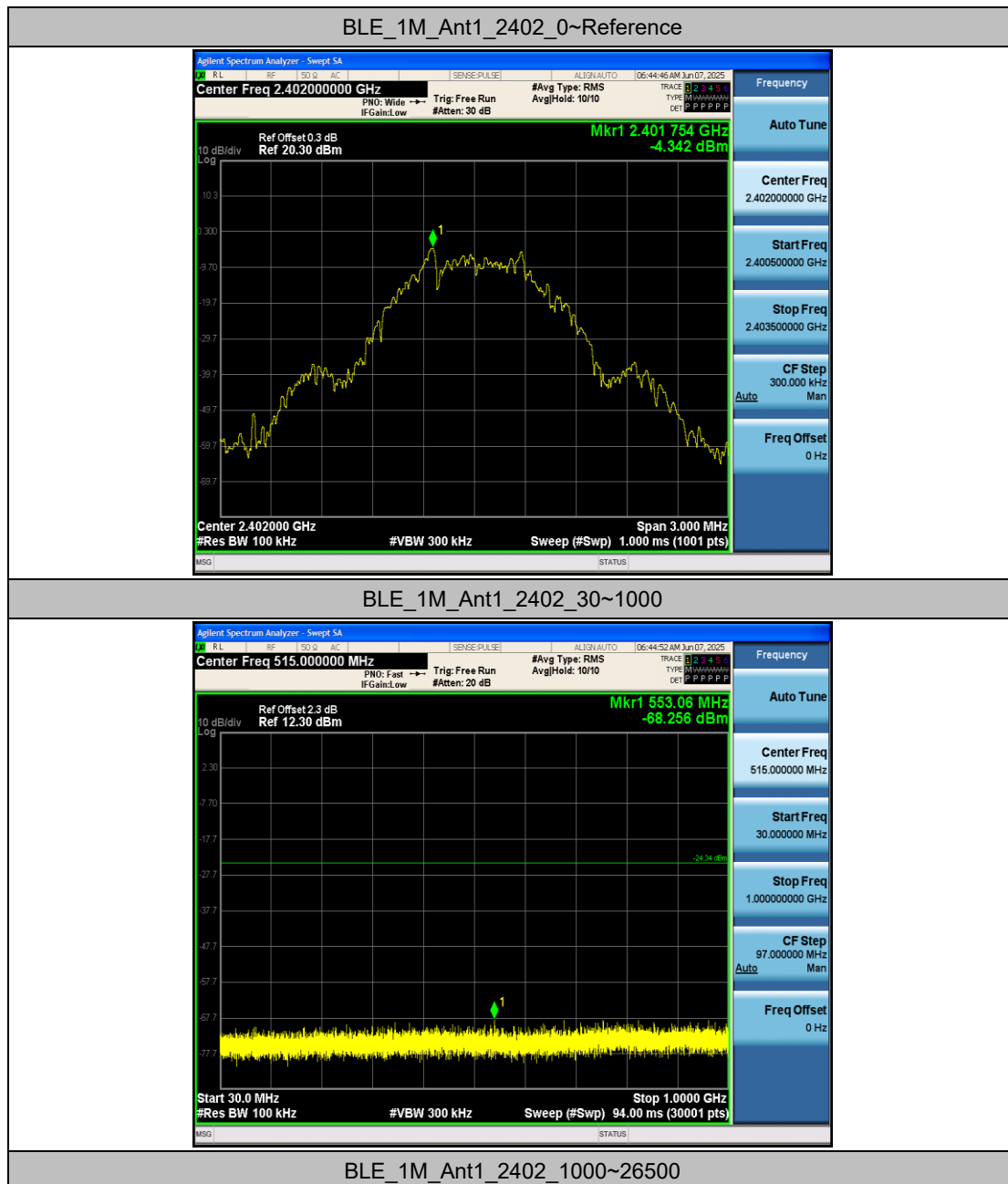


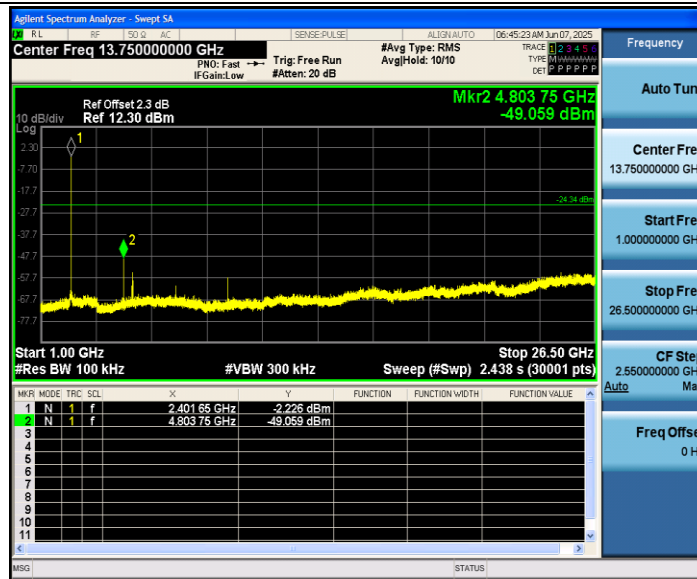
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-4.34	-4.34	---	PASS
			30~1000	-4.34	-68.26	≤-24.34	PASS
			1000~26500	-4.34	-49.06	≤-24.34	PASS
		2440	Reference	-5.24	-5.24	---	PASS
			30~1000	-5.24	-67.93	≤-25.24	PASS
			1000~26500	-5.24	-47.76	≤-25.24	PASS
		2480	Reference	-5.14	-5.14	---	PASS
			30~1000	-5.14	-67.74	≤-25.14	PASS
			1000~26500	-5.14	-46.12	≤-25.14	PASS

Test Graphs

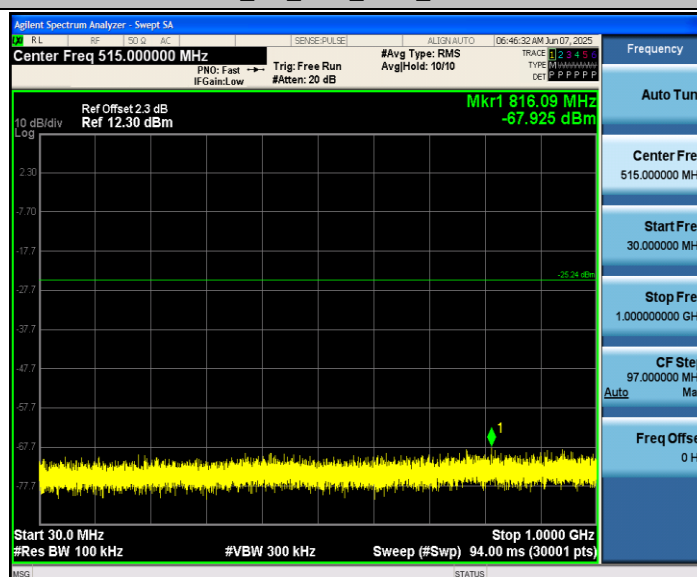




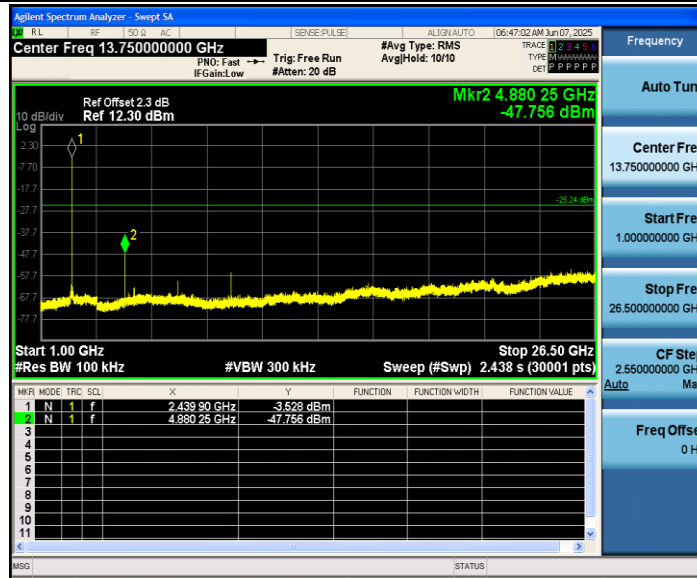
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



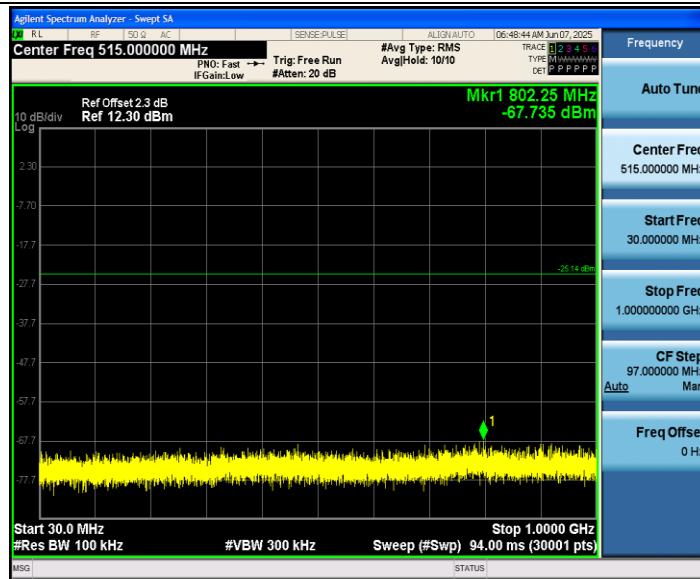
BLE_1M_Ant1_2440_1000~26500



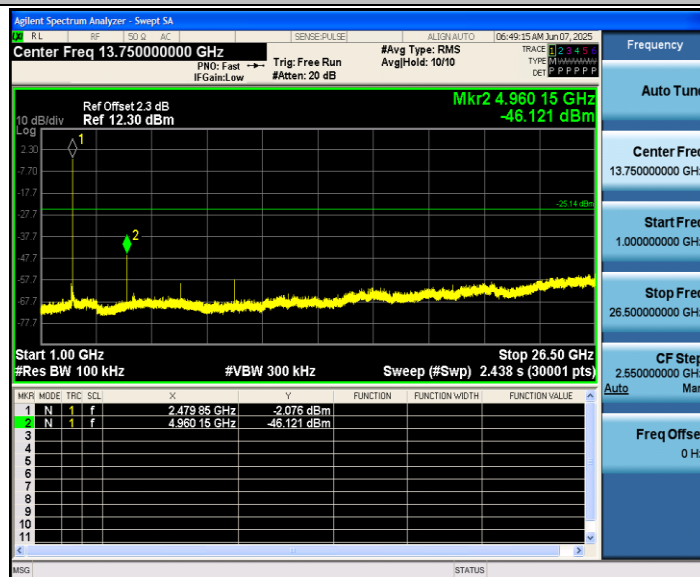
BLE_1M_Ant1_2480_0~Reference



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

