

FCC Appendix RF Test Data

FCC ID : 2APVY-GK85-1

Company: : SHANTOU CITY CHENGHAI JINGWEI INDUSTRIAL, CO., LTD.

EUT : BOXING TARGET

Model Number : GK85-1

Reviewed By : Eric Wang

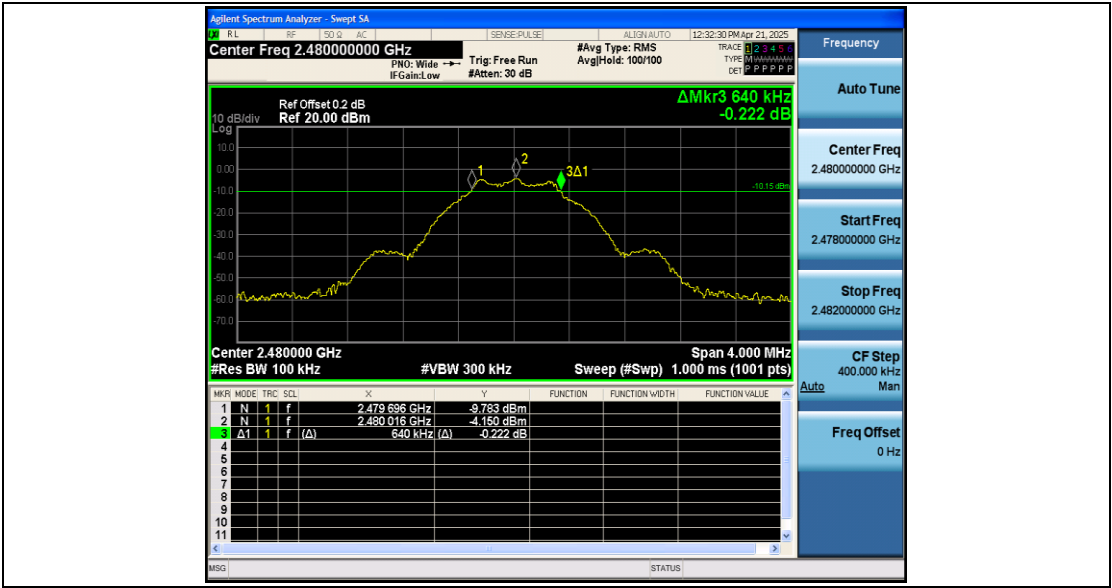
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.624	2401.692	2402.316	0.5	PASS
		2440	0.644	2439.692	2440.336	0.5	PASS
		2480	0.640	2479.696	2480.336	0.5	PASS

Test Graphs



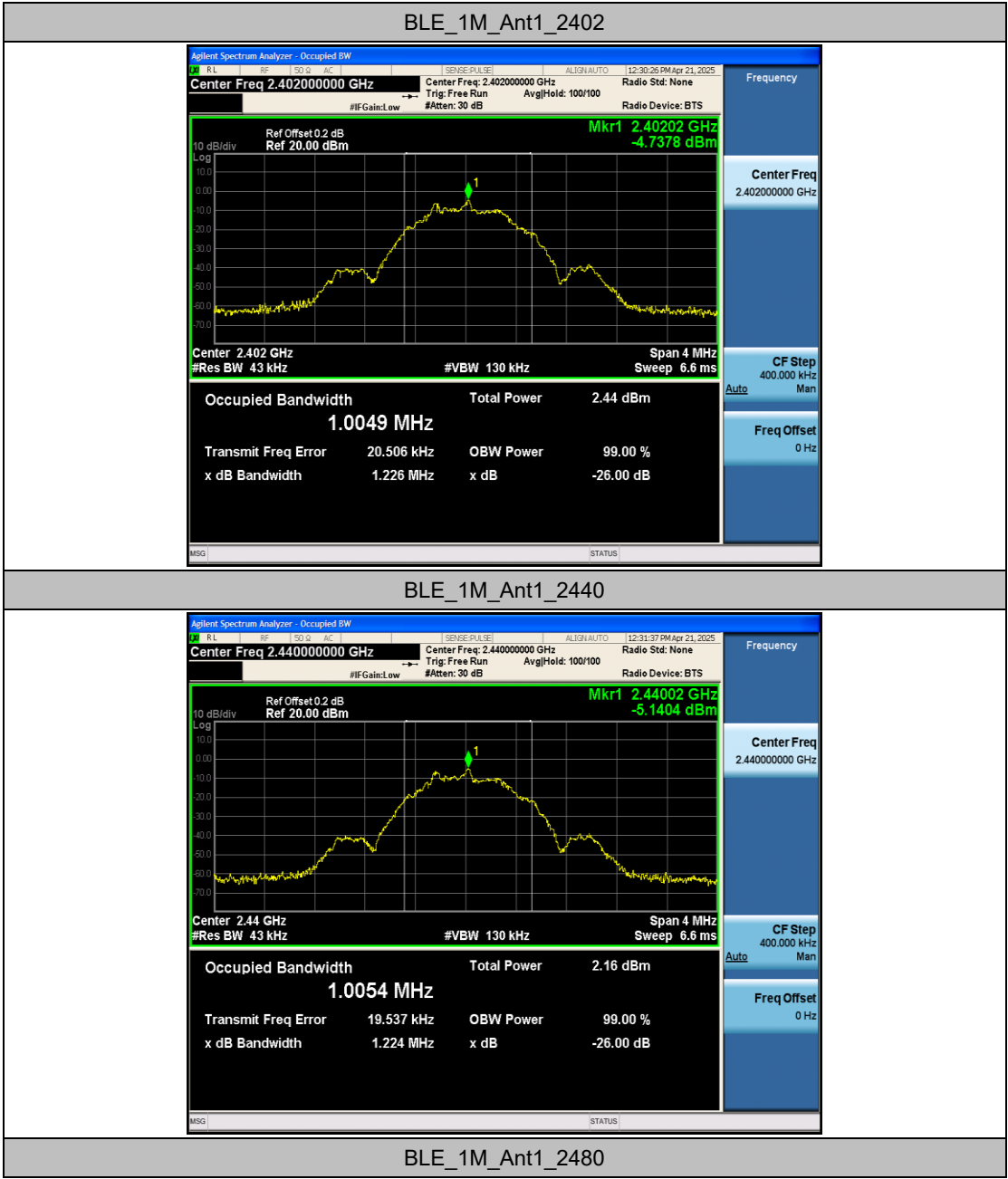


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0049	2401.5181	2402.5230	---	---
		2440	1.0054	2439.5168	2440.5222	---	---
		2480	1.0059	2479.5176	2480.5235	---	---

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	-3.62	≤30	PASS
		2440	-3.94	≤30	PASS
		2480	-3.99	≤30	PASS

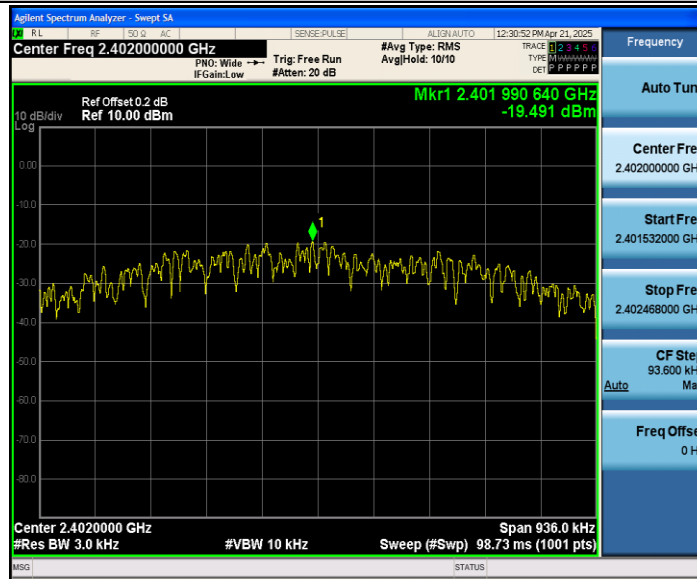
Appendix D: Maximum power spectral density

Test Result

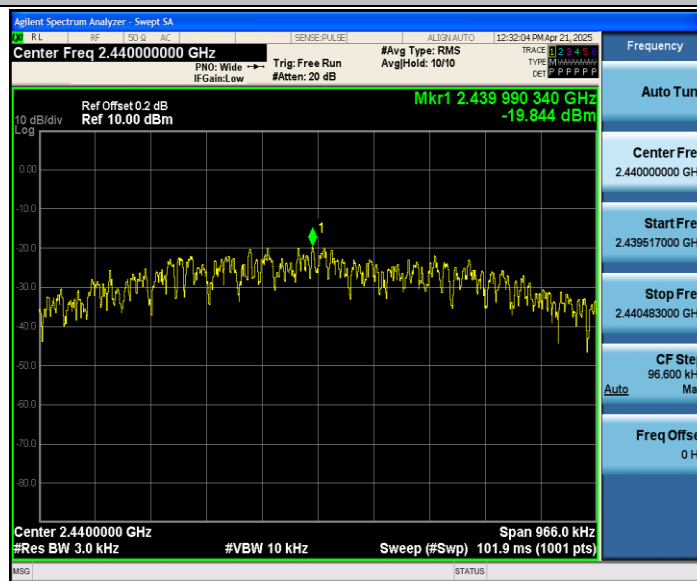
TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-19.49	≤8.00	PASS
		2440	-19.84	≤8.00	PASS
		2480	-19.69	≤8.00	PASS

Test Graphs

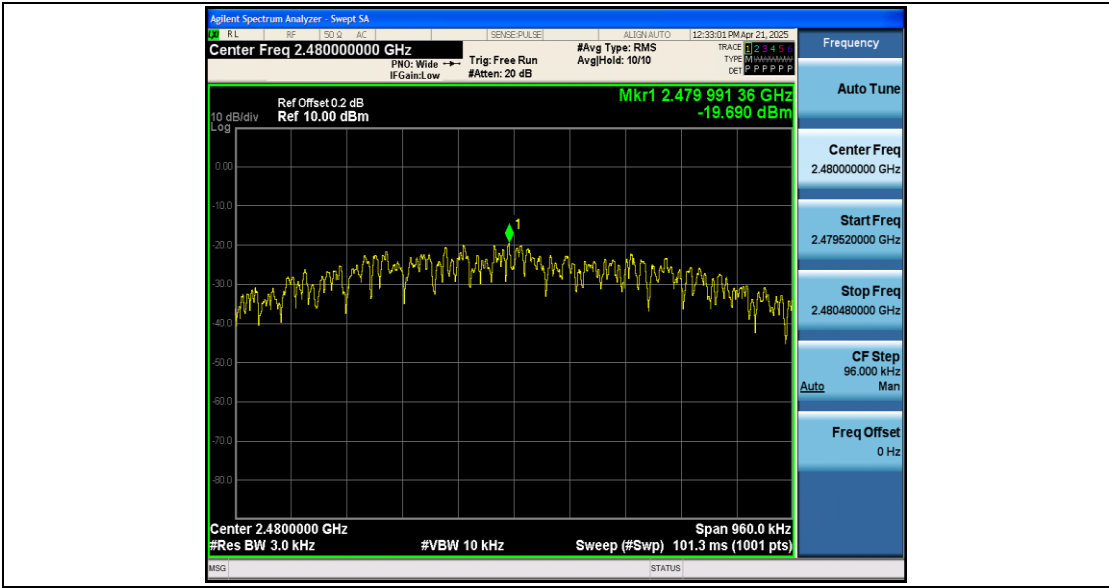
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



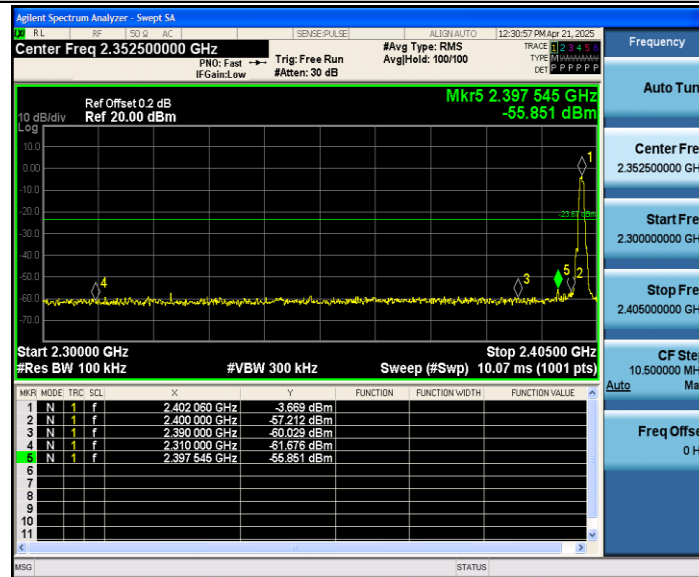
Appendix E: Band edge measurements

Test Result

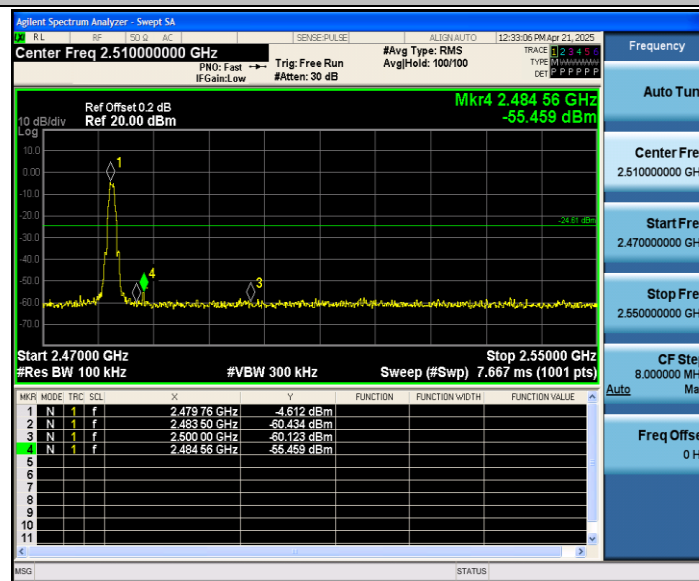
TestMode	Antenna	Channel	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-3.67	-55.85	≤-23.67	PASS
		High	2480	-4.61	-55.46	≤-24.61	PASS

Test Graphs

BLE_1M_Ant1_Low_2402



BLE_1M_Ant1_High_2480

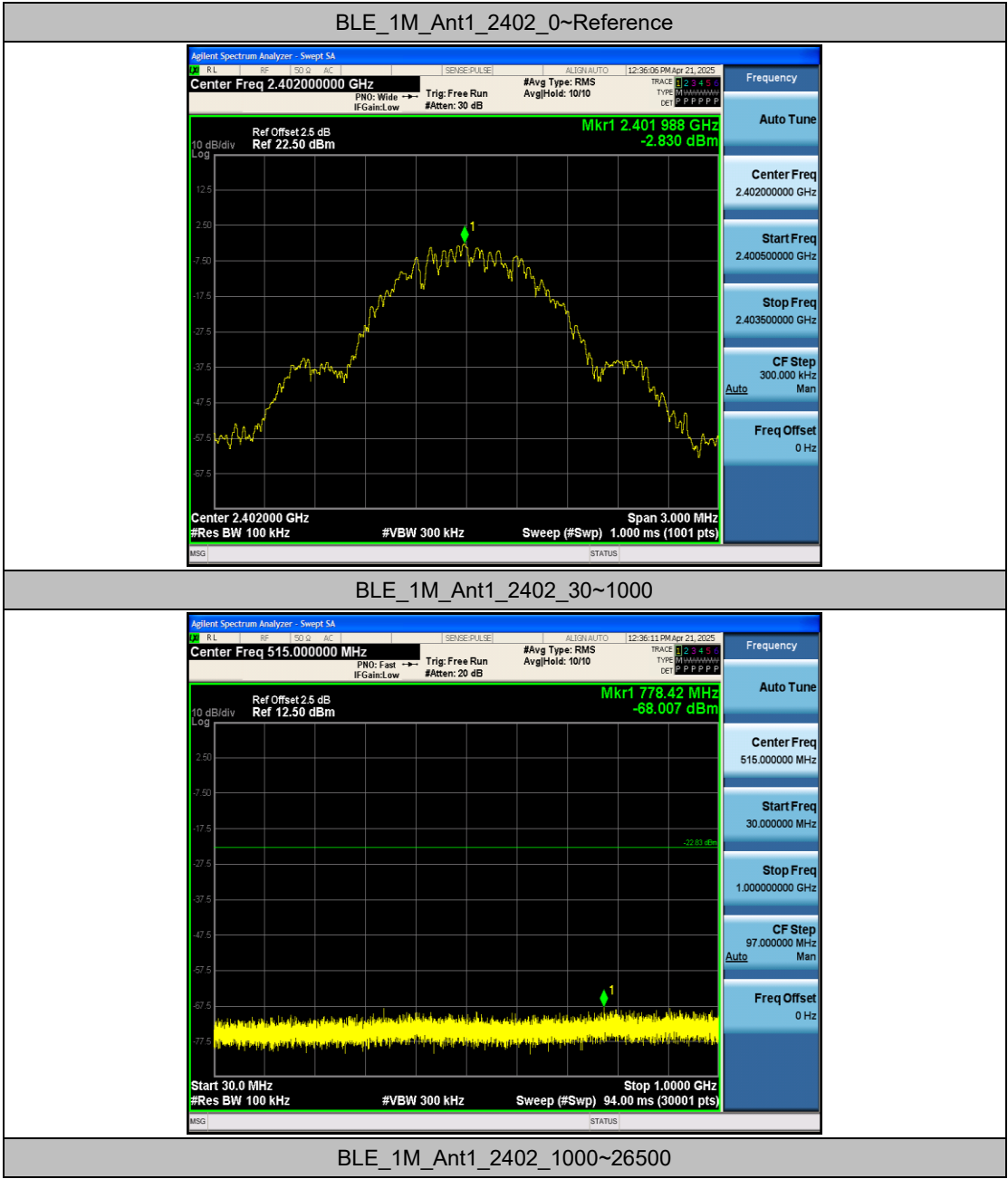


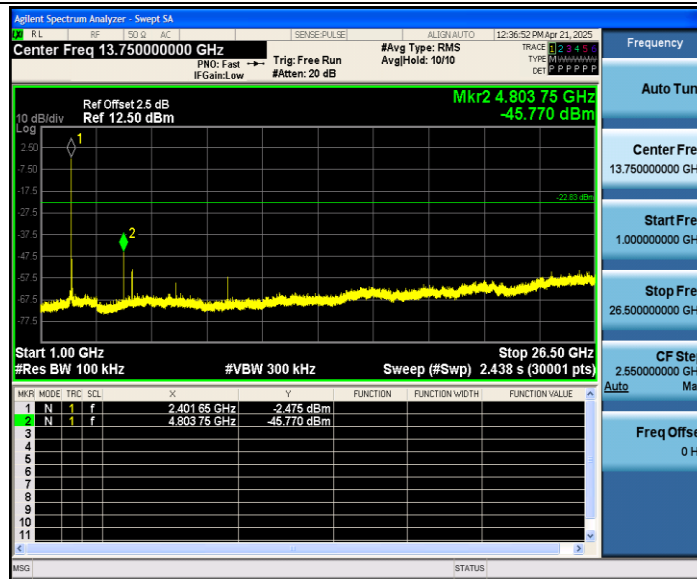
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-2.83	-2.83	---	PASS
			30~1000	-2.83	-68.01	≤-22.83	PASS
			1000~26500	-2.83	-45.77	≤-22.83	PASS
		2440	Reference	-3.08	-3.08	---	PASS
			30~1000	-3.08	-67.79	≤-23.08	PASS
			1000~26500	-3.08	-47.01	≤-23.08	PASS
		2480	Reference	-1.86	-1.86	---	PASS
			30~1000	-1.86	-67.58	≤-21.86	PASS
			1000~26500	-1.86	-47.99	≤-21.86	PASS

Test Graphs

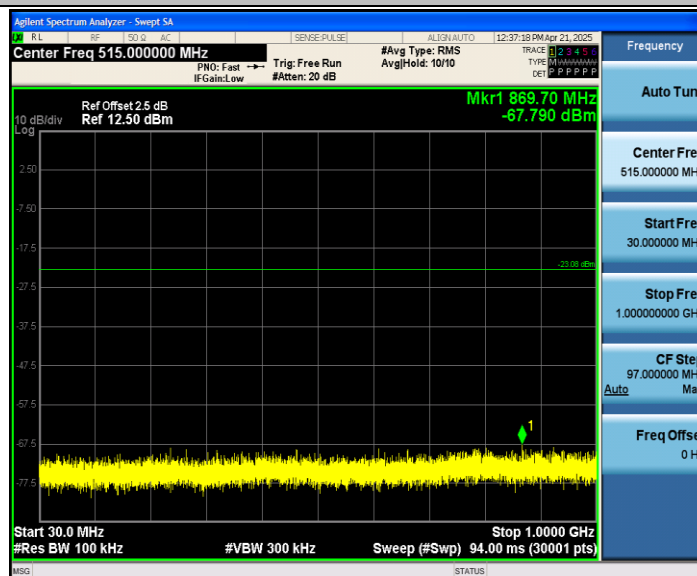




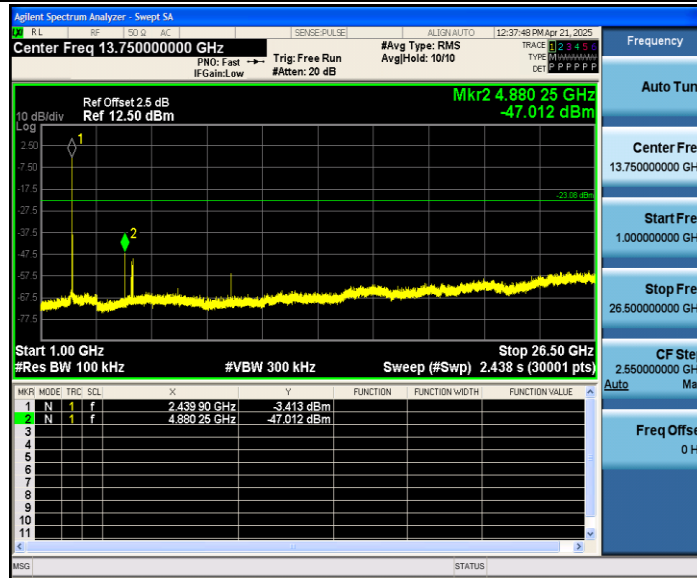
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



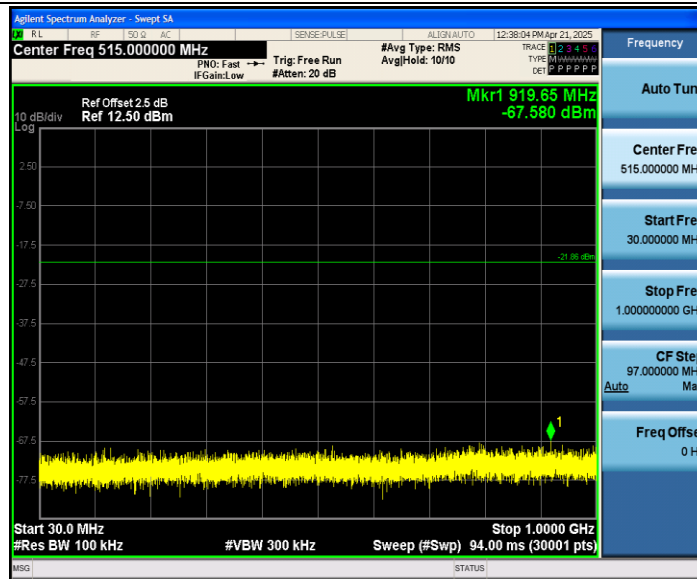
BLE_1M_Ant1_2440_1000~26500



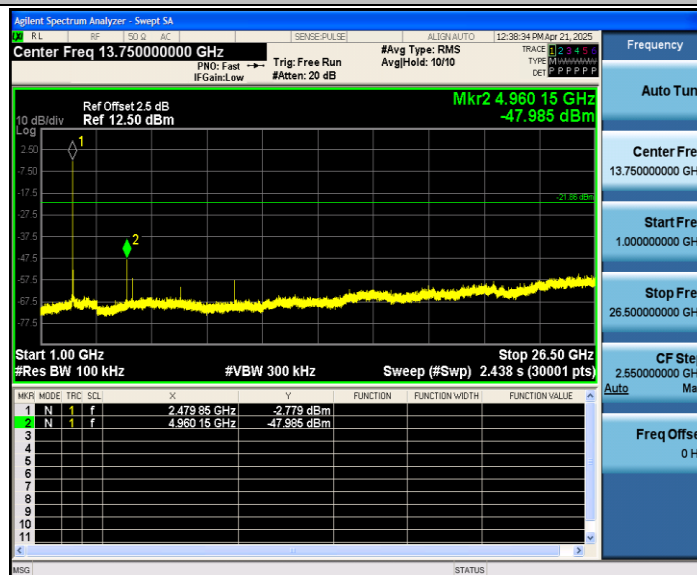
BLE_1M_Ant1_2480_0~Reference



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

