

FCC Appendix RF Test Data for BLE

FCC ID : 2A8LG-EY6A016

Company: : COOLING Spolka z o.o.

EUT : EY6A016 LIV Plus Wireless
EY6A017 LIV Plus Wireless Onyx White

Model Number : EY6A016

Report No. CTA25040300501

Reviewed By : Eric Wang

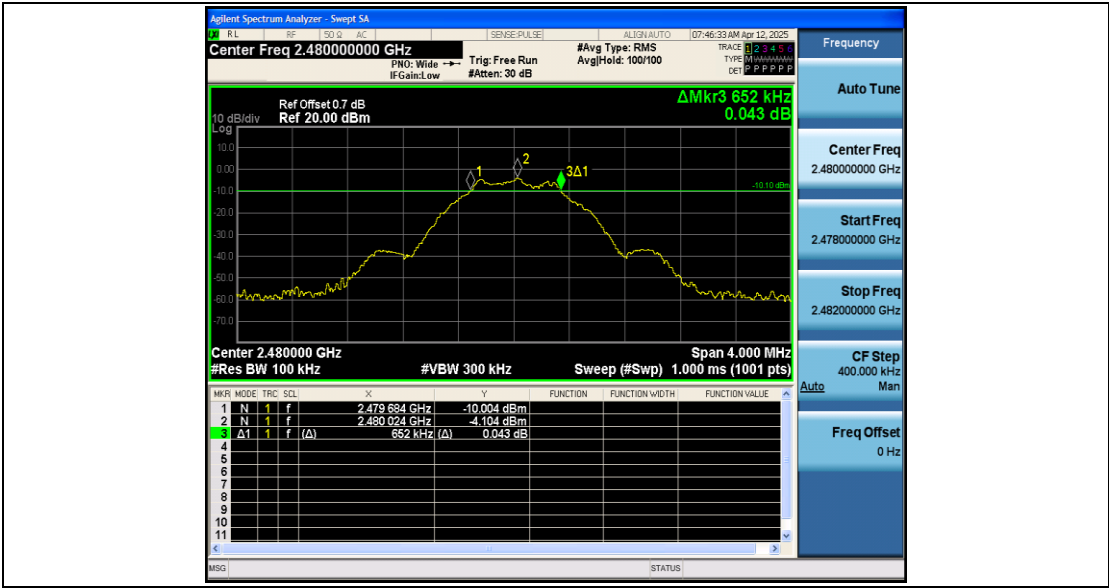
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.656	2401.692	2402.348	0.5	PASS
		2440	0.636	2439.696	2440.332	0.5	PASS
		2480	0.652	2479.684	2480.336	0.5	PASS

Test Graphs



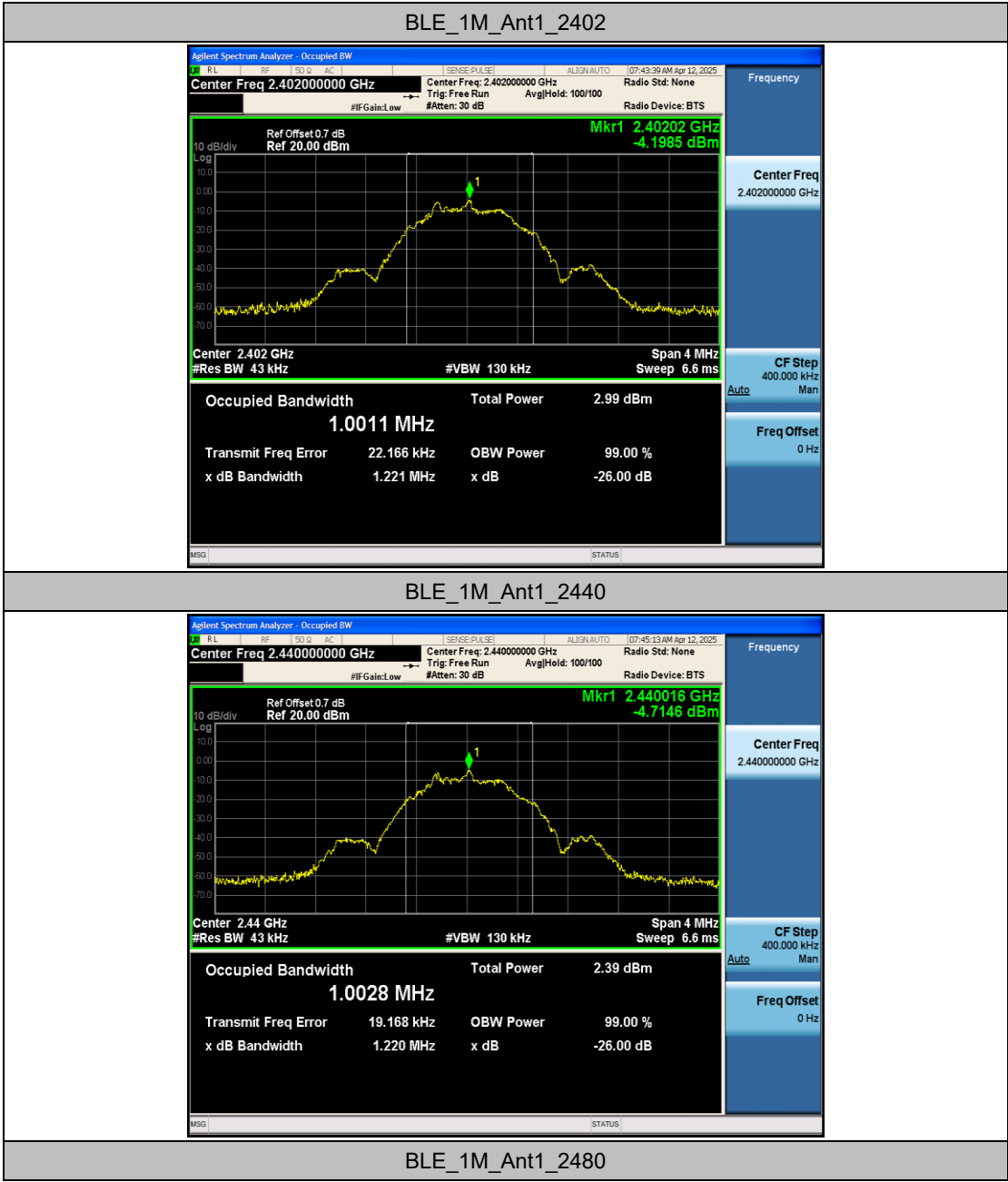


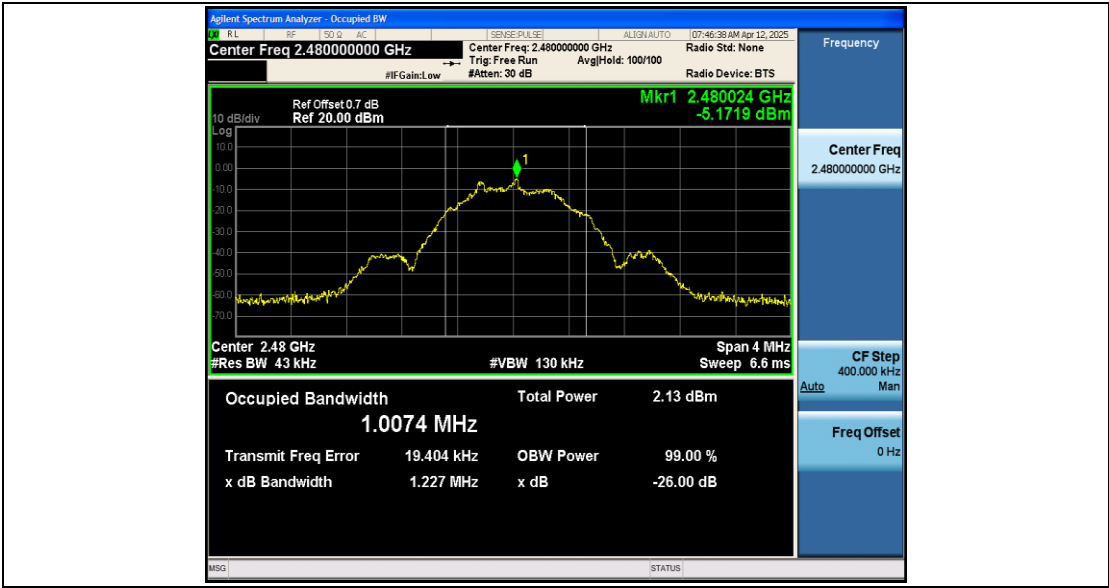
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0011	2401.5216	2402.5227	---	---
		2440	1.0028	2439.5178	2440.5206	---	---
		2480	1.0074	2479.5157	2480.5231	---	---

Test Graphs





Appendix C: Maximum conducted output power

Test Result Peak

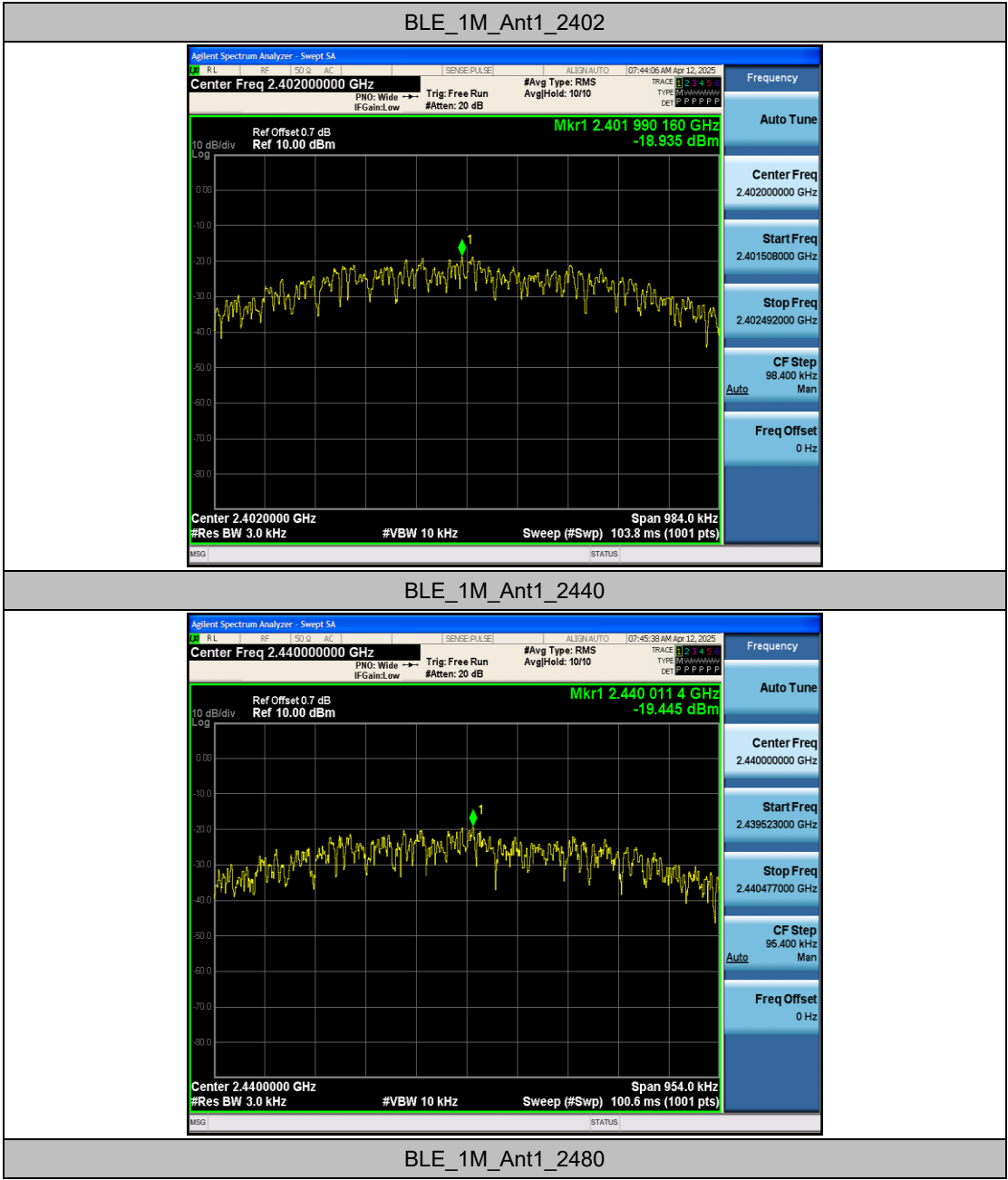
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-3.12	≤30	PASS
		2440	-3.66	≤30	PASS
		2480	-3.92	≤30	PASS

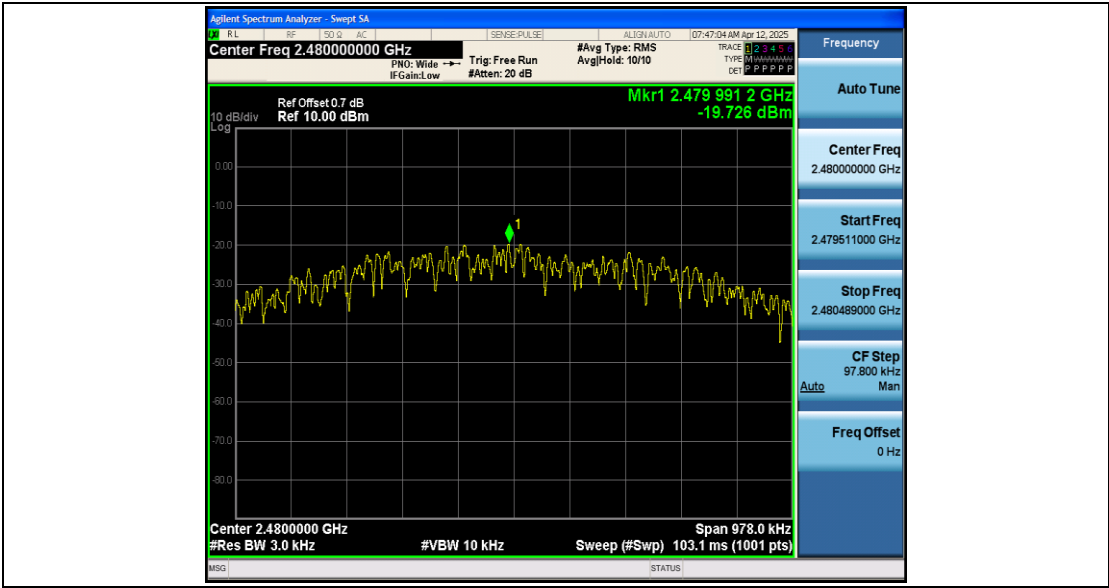
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.94	≤8.00	PASS
		2440	-19.45	≤8.00	PASS
		2480	-19.73	≤8.00	PASS

Test Graphs



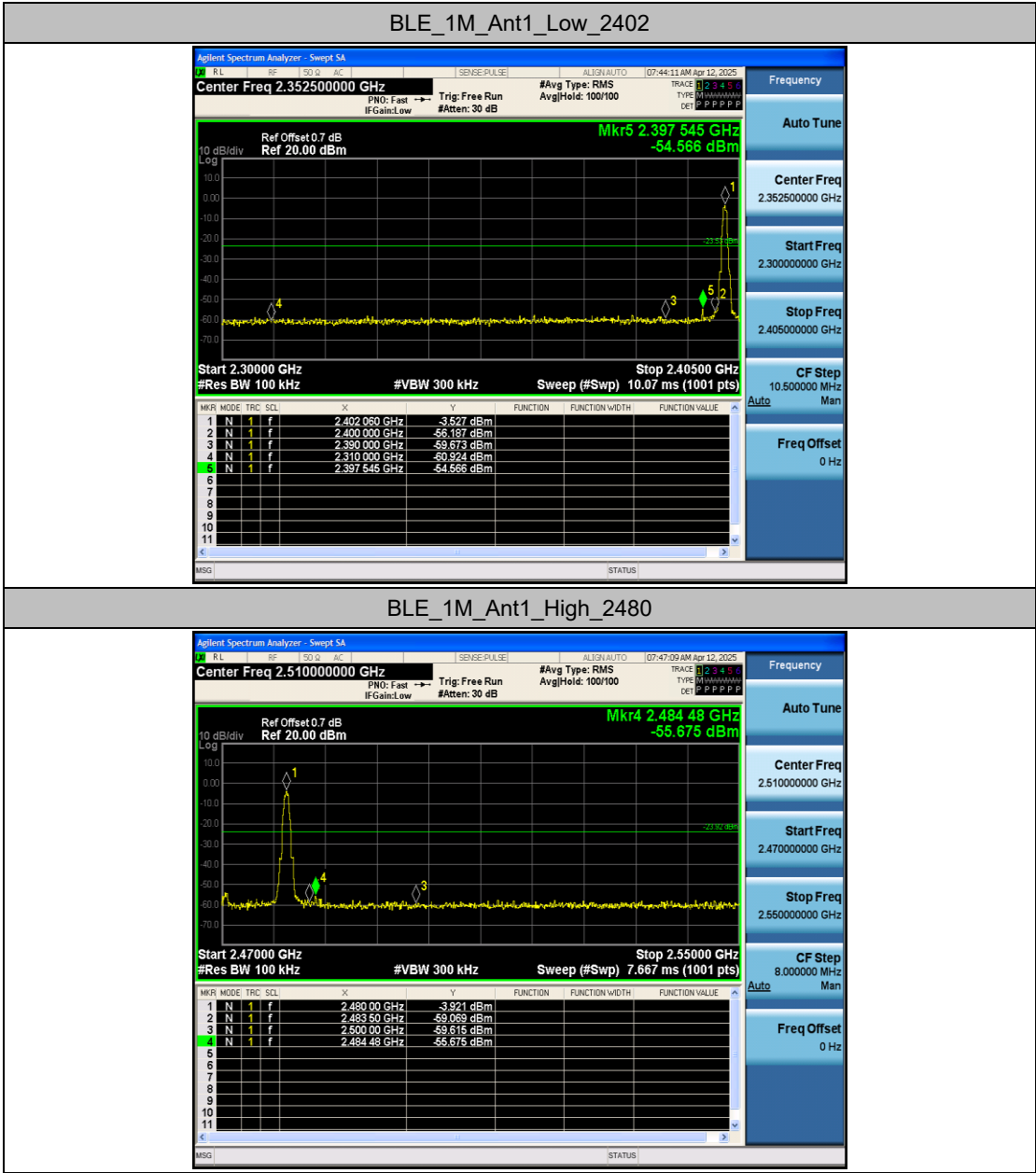


Appendix E: Band edge measurements

Test Result

TestMod e	Antenn a	ChNam e	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdic t
BLE_1M	Ant1	Low	2402	-3.53	-54.57	≤-23.53	PASS
		High	2480	-3.92	-55.68	≤-23.92	PASS

Test Graphs

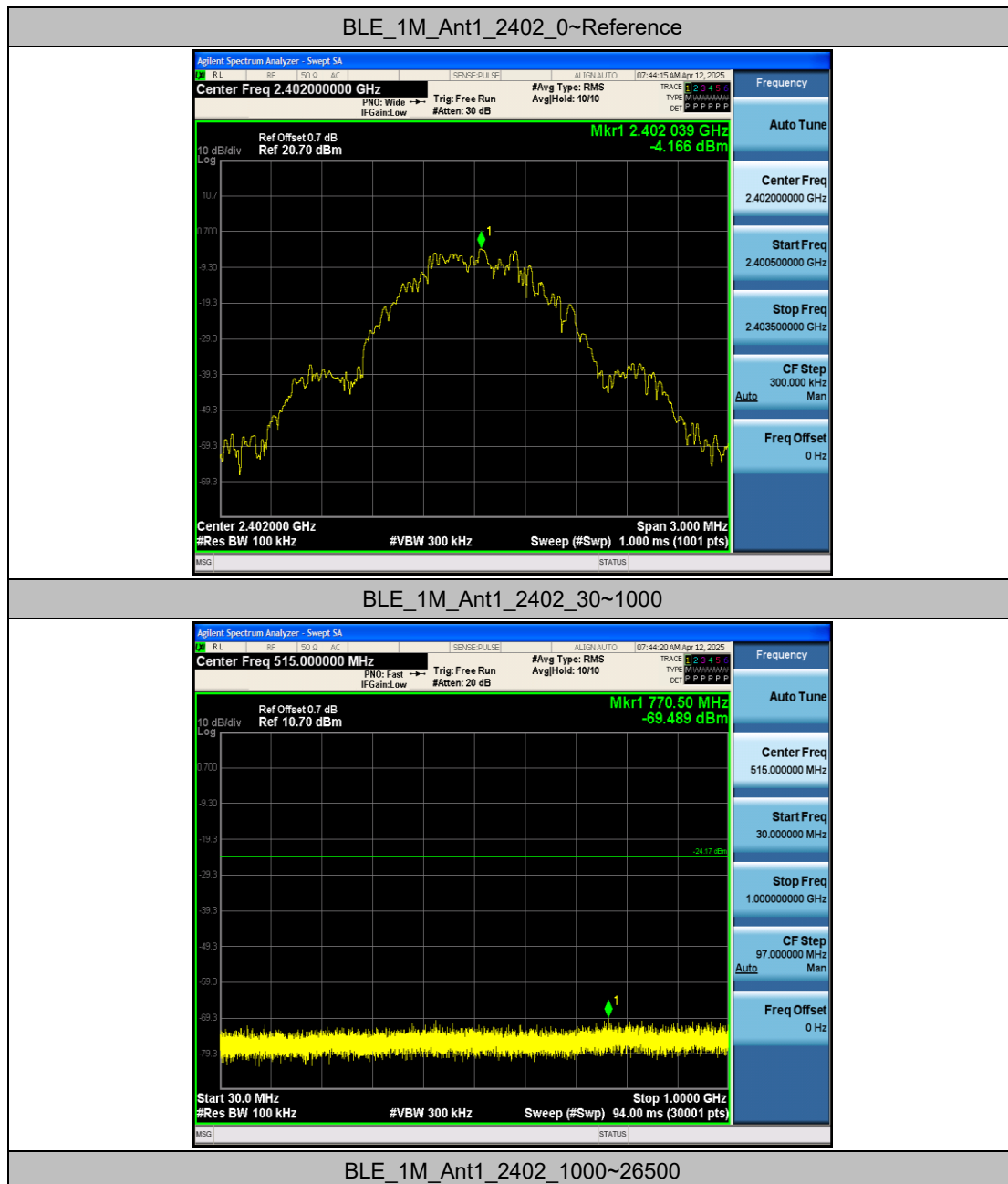


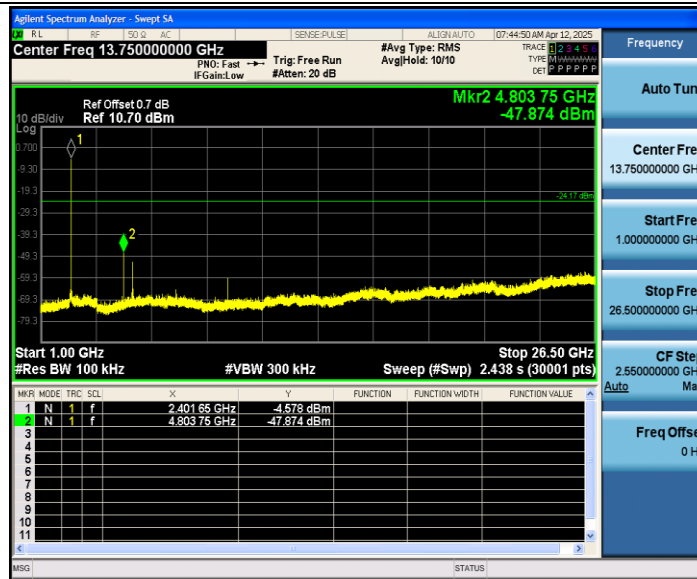
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-4.17	-4.17	---	PASS
			30~1000	-4.17	-69.49	≤-24.17	PASS
			1000~26500	-4.17	-47.87	≤-24.17	PASS
		2440	Reference	-4.96	-4.96	---	PASS
			30~1000	-4.96	-69.89	≤-24.96	PASS
			1000~26500	-4.96	-52.39	≤-24.96	PASS
		2480	Reference	-4.90	-4.90	---	PASS
			30~1000	-4.90	-68.73	≤-24.9	PASS
			1000~26500	-4.90	-48.22	≤-24.9	PASS

Test Graphs

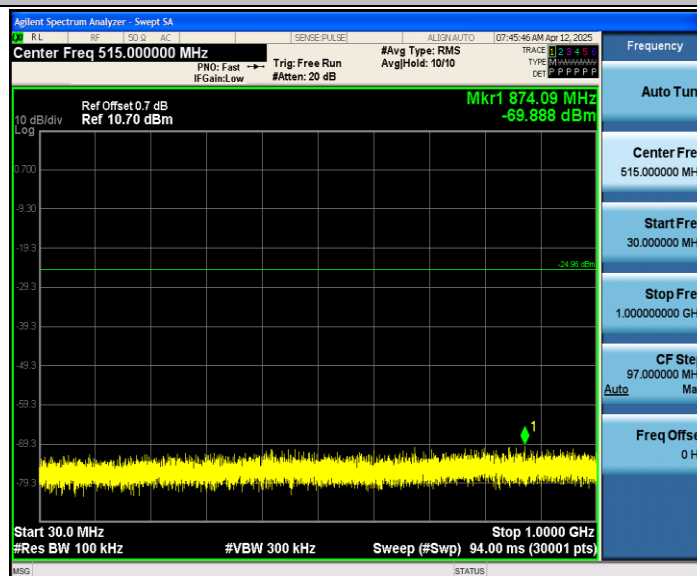




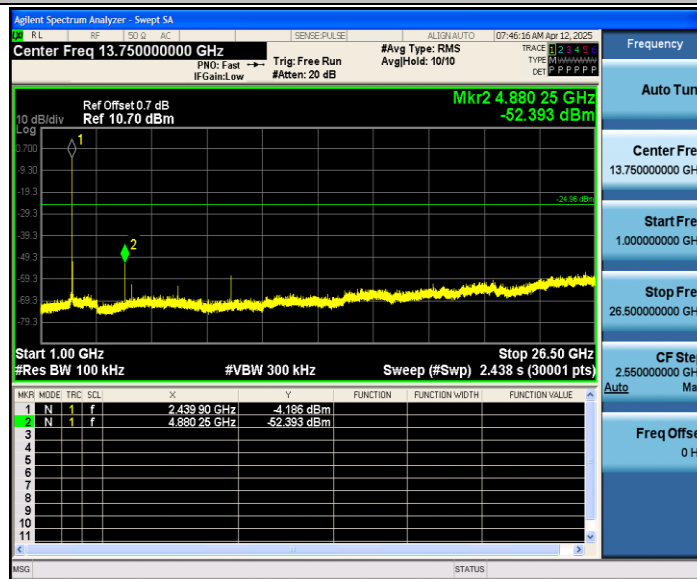
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



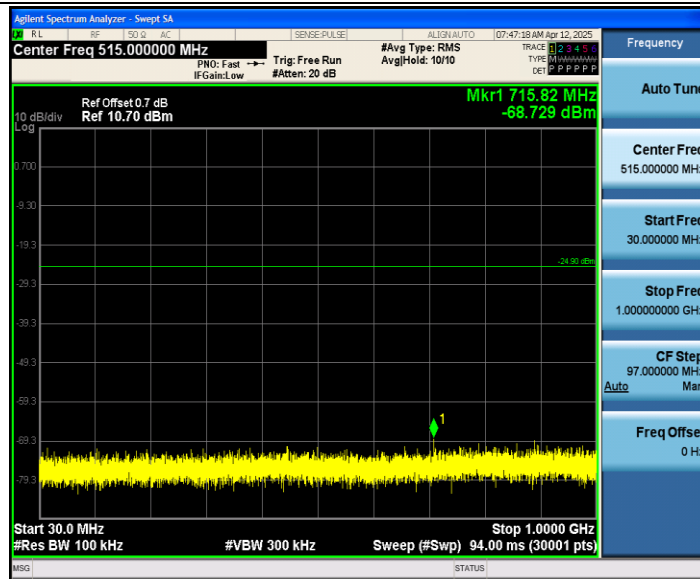
BLE_1M_Ant1_2440_1000~26500



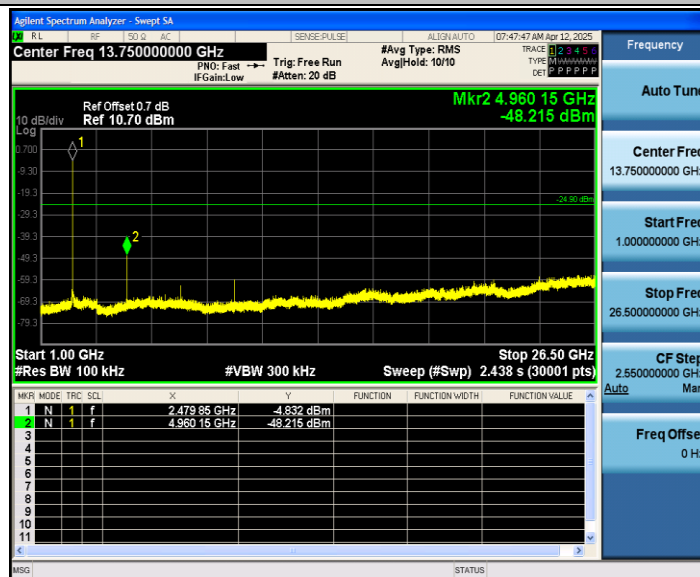
BLE_1M_Ant1_2480_0~Reference



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

