

FCC Appendix RF Test Data

FCC ID : 2BPVA-DP8848B

Company: : Shenzhen DeepLux Technology Co., LTD

EUT : DeepLux LED Light Bars

Model Number : DP8848B

Report No. : CTA25052202001

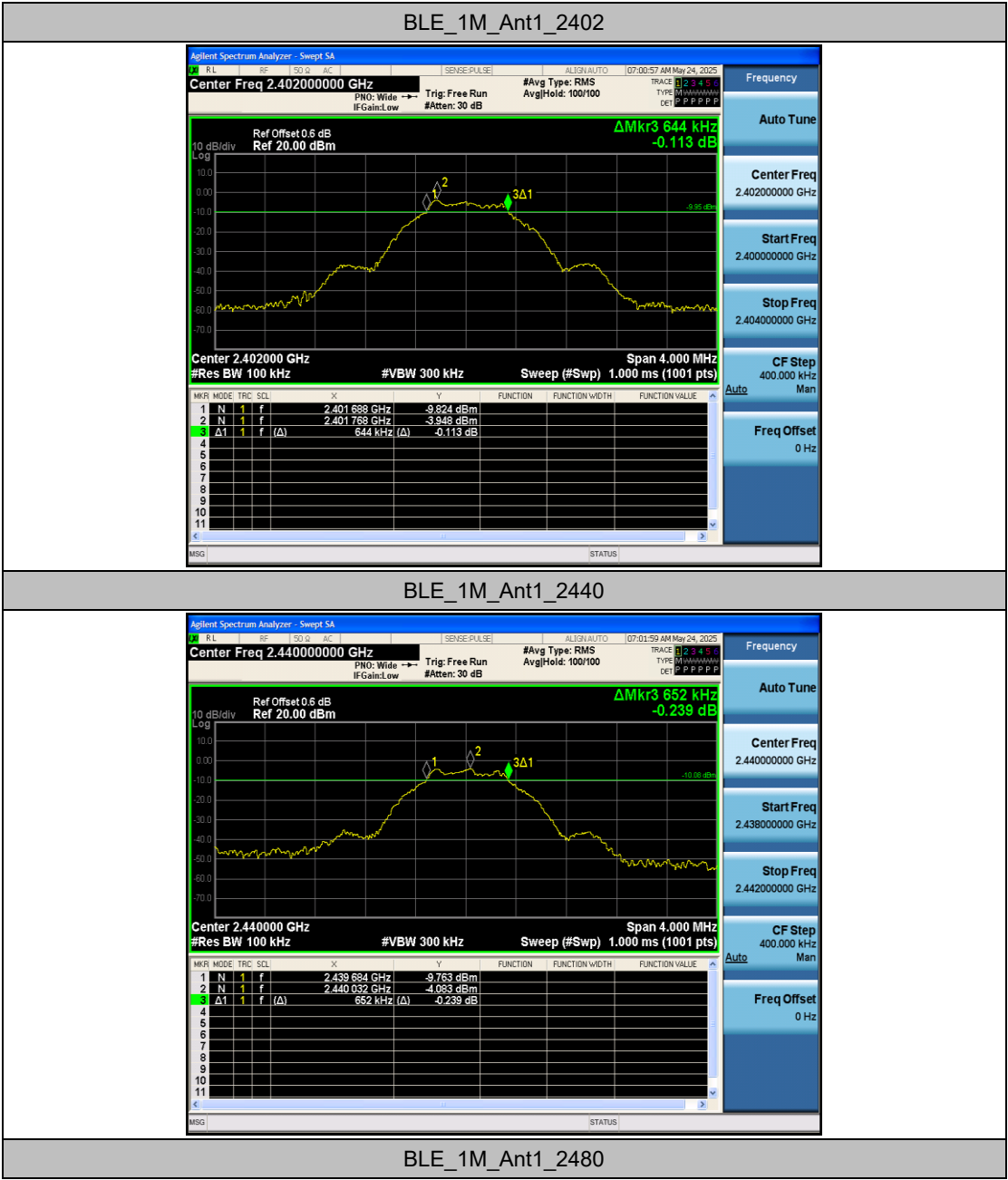
Reviewed By : Eric Wang

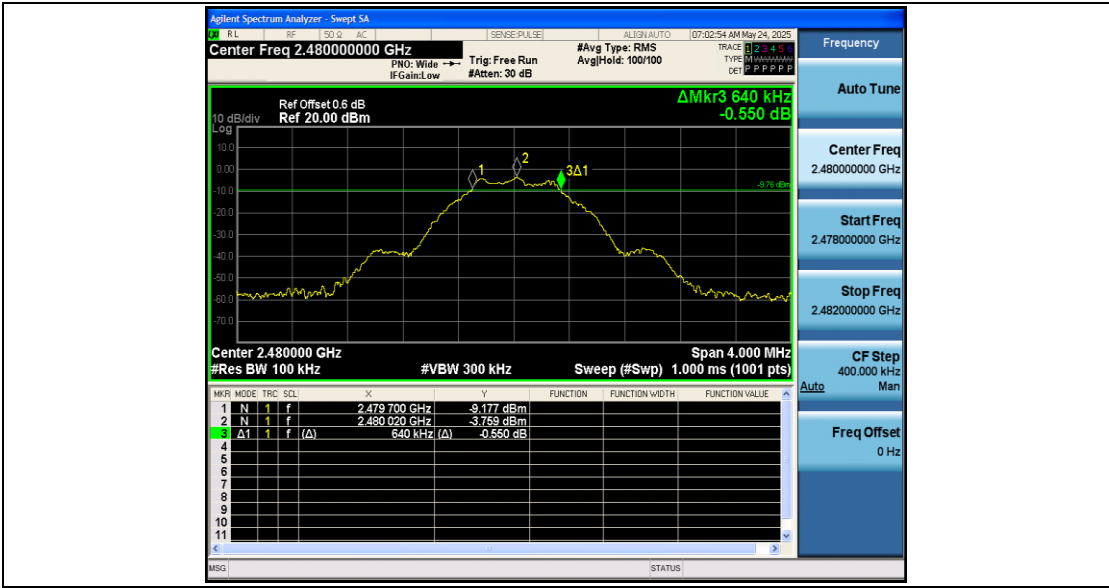
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.644	2401.688	2402.332	0.5	PASS
		2440	0.652	2439.684	2440.336	0.5	PASS
		2480	0.640	2479.700	2480.340	0.5	PASS

Test Graphs



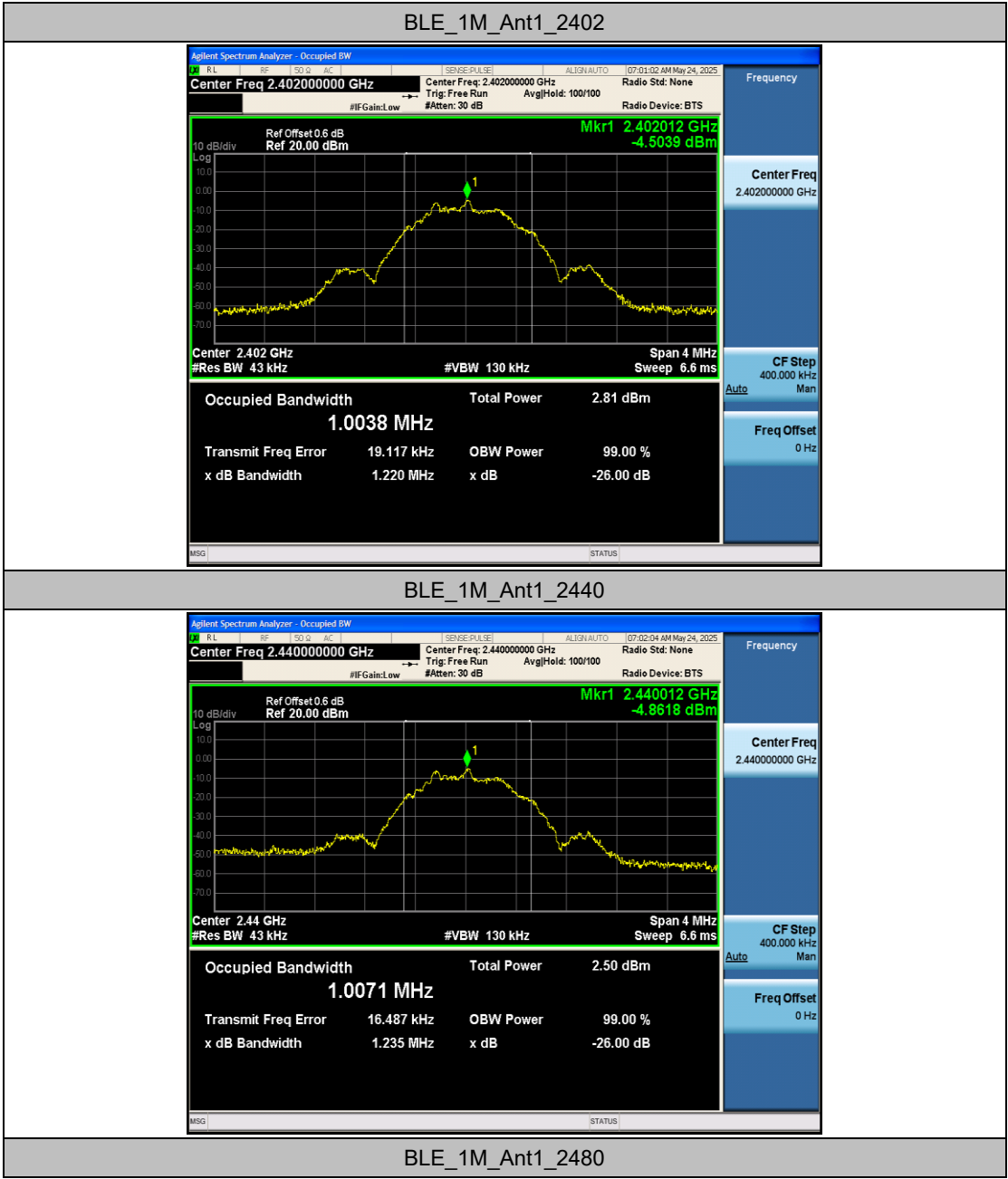


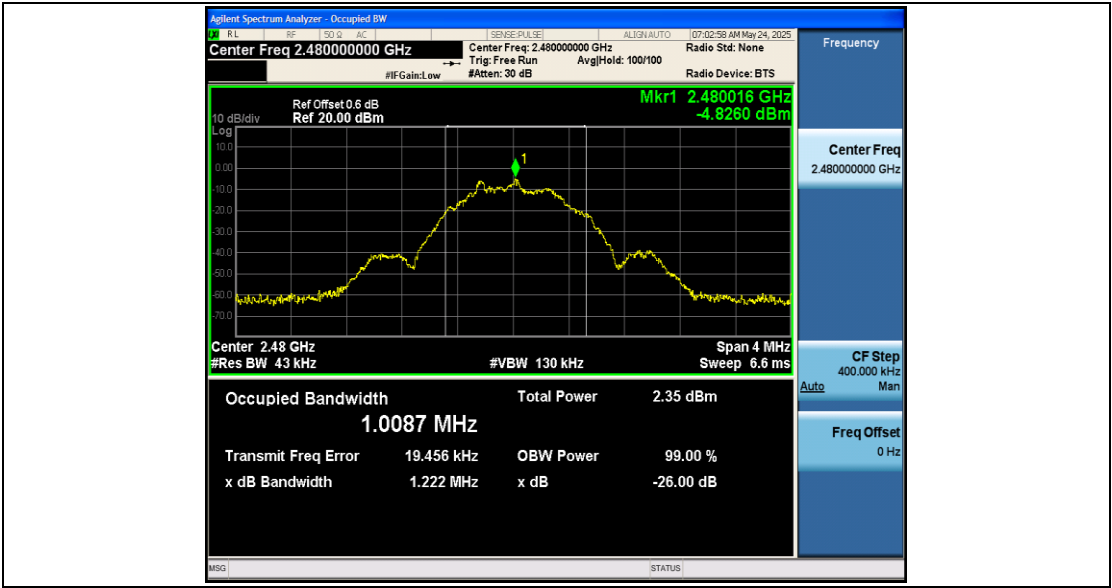
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0038	2401.5172	2402.5210	---	---
		2440	1.0071	2439.5129	2440.5200	---	---
		2480	1.0087	2479.5151	2480.5238	---	---

Test Graphs





Appendix C: Maximum conducted output power

Test Result Peak

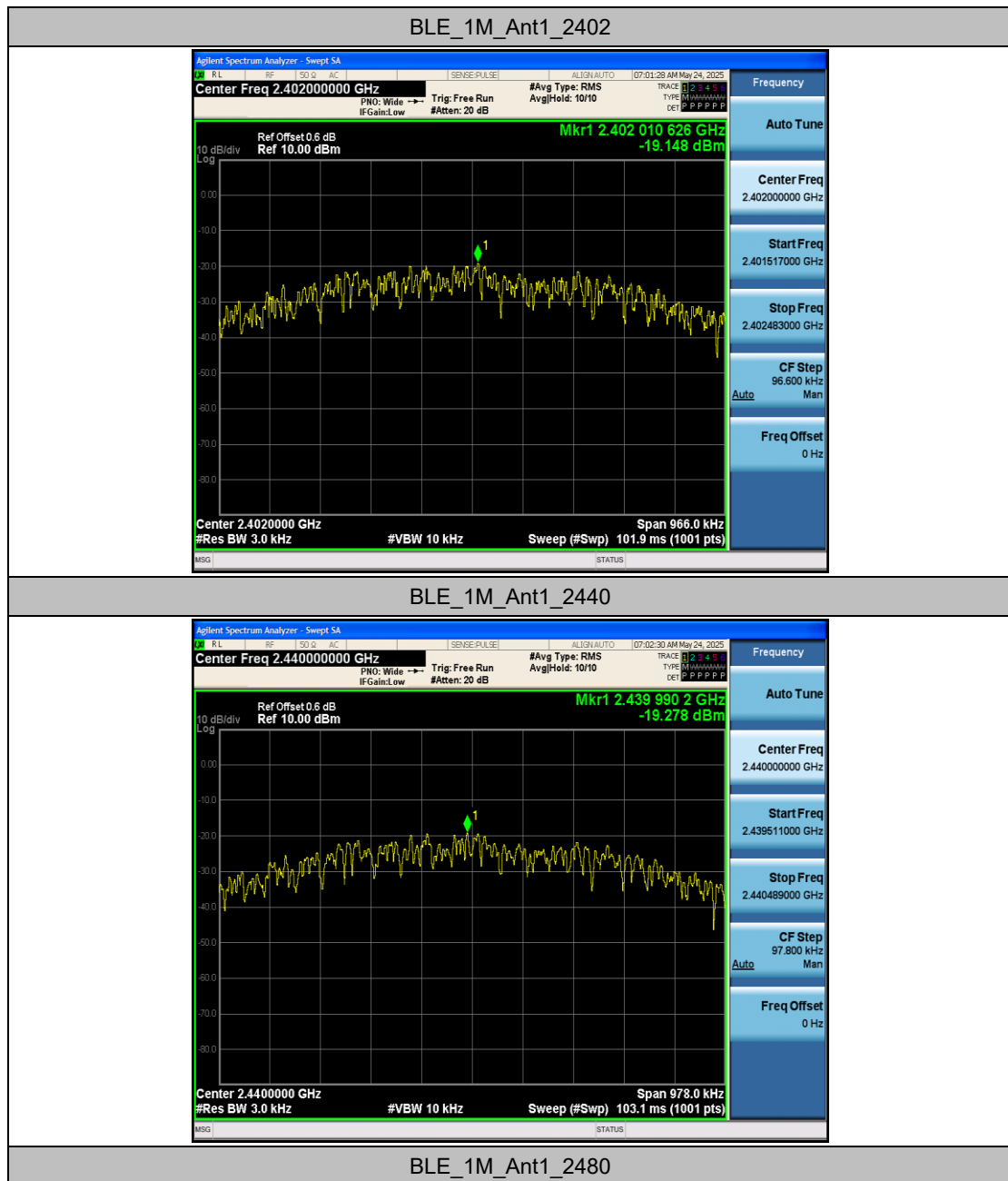
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-3.34	≤30	PASS
		2440	-3.53	≤30	PASS
		2480	-3.65	≤30	PASS

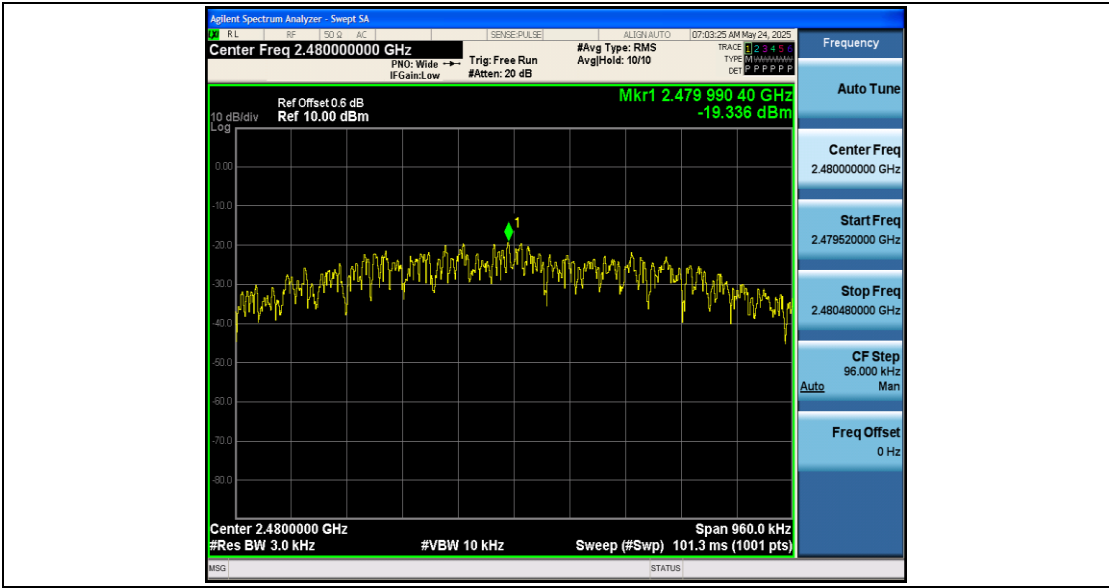
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-19.15	≤8.00	PASS
		2440	-19.28	≤8.00	PASS
		2480	-19.34	≤8.00	PASS

Test Graphs



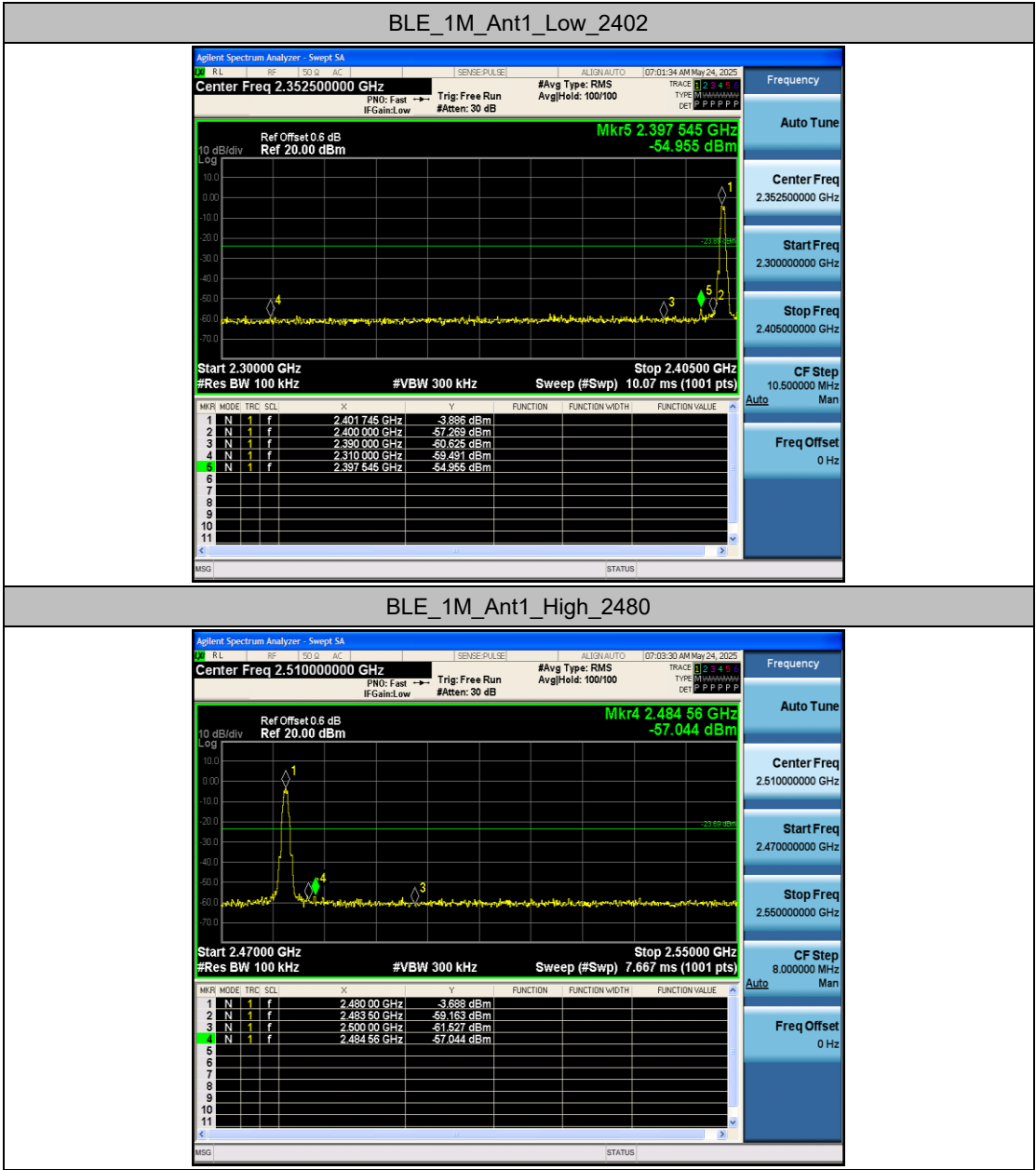


Appendix E: Band edge measurements

Test Result

TestMod e	Antenn a	ChNam e	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdic t
BLE_1M	Ant1	Low	2402	-3.89	-54.96	≤-23.89	PASS
		High	2480	-3.69	-57.04	≤-23.69	PASS

Test Graphs

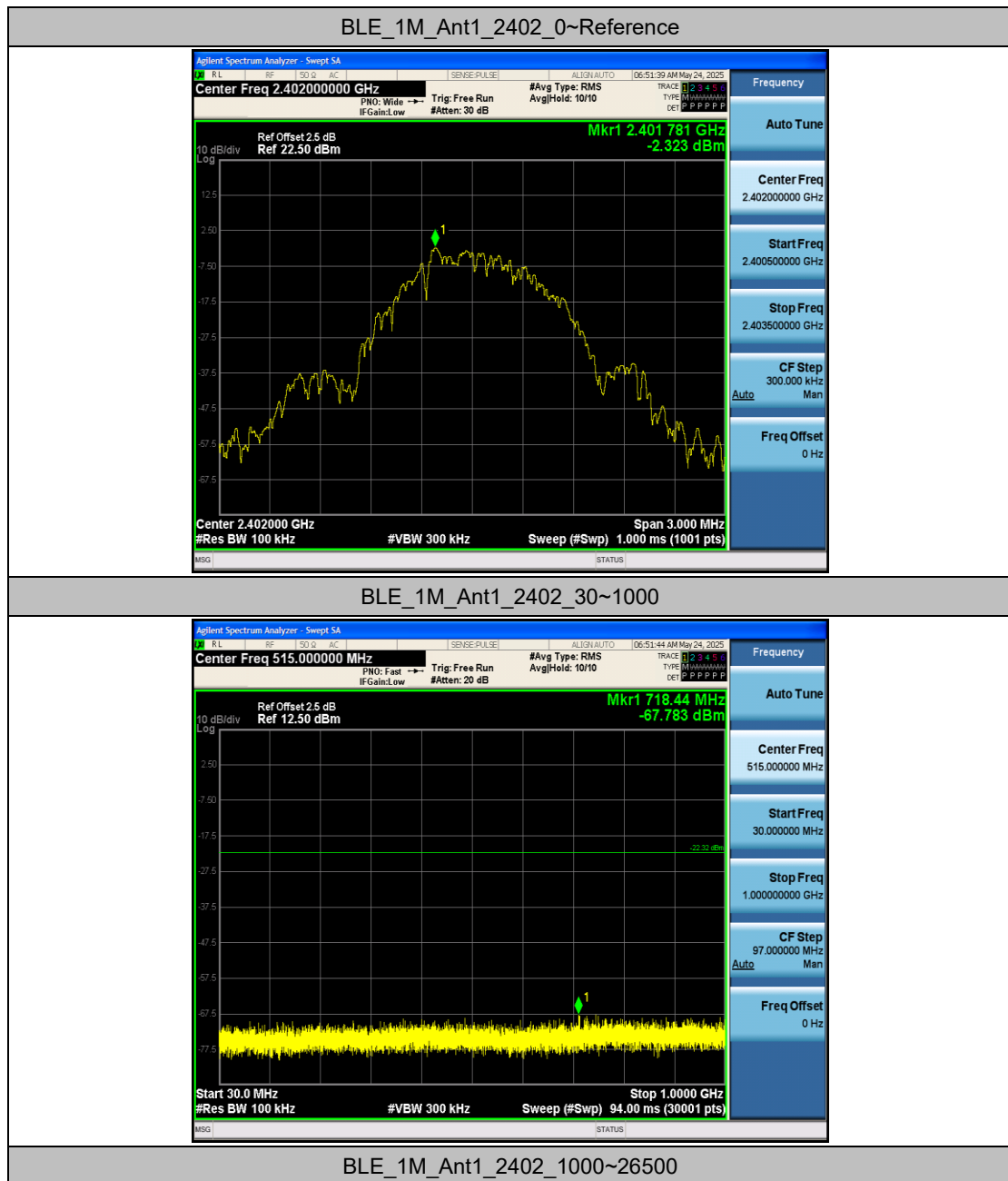


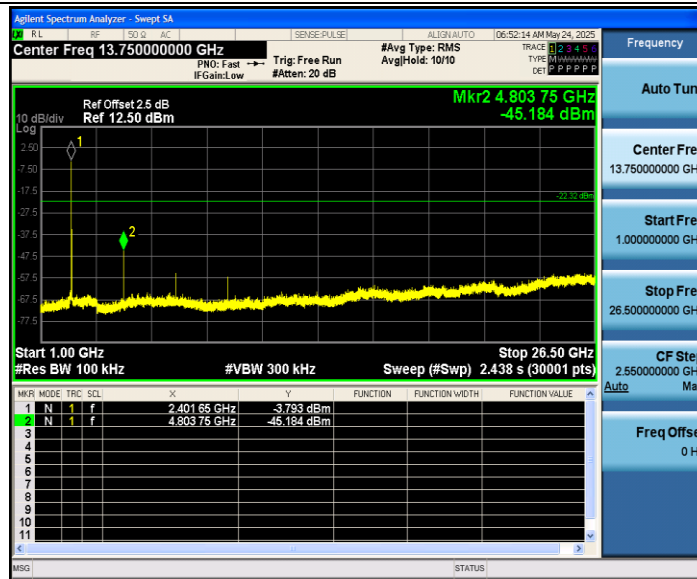
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-2.32	-2.32	---	PASS
			30~1000	-2.32	-67.78	≤-22.32	PASS
			1000~26500	-2.32	-45.18	≤-22.32	PASS
		2440	Reference	-2.42	-2.42	---	PASS
			30~1000	-2.42	-68.15	≤-22.42	PASS
			1000~26500	-2.42	-42.79	≤-22.42	PASS
		2480	Reference	-3.23	-3.23	---	PASS
			30~1000	-3.23	-67.1	≤-23.23	PASS
			1000~26500	-3.23	-42.7	≤-23.23	PASS

Test Graphs

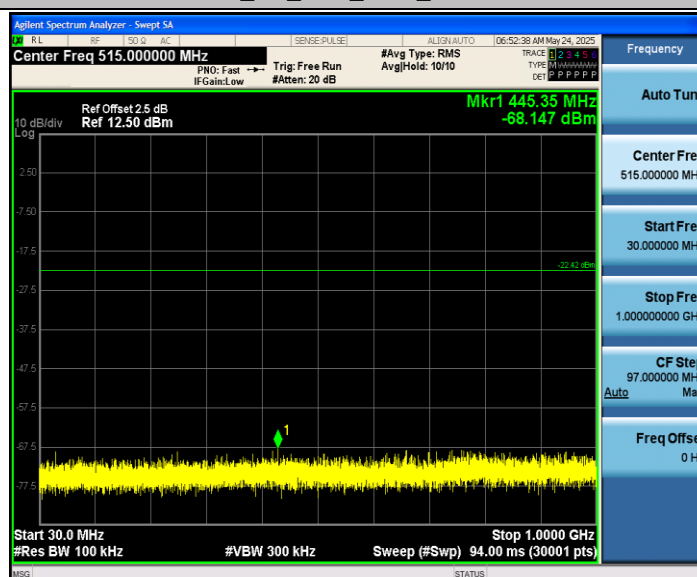




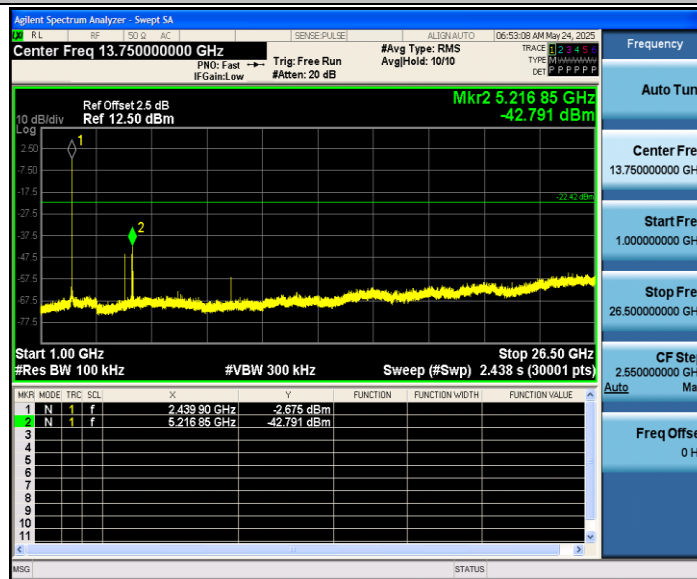
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



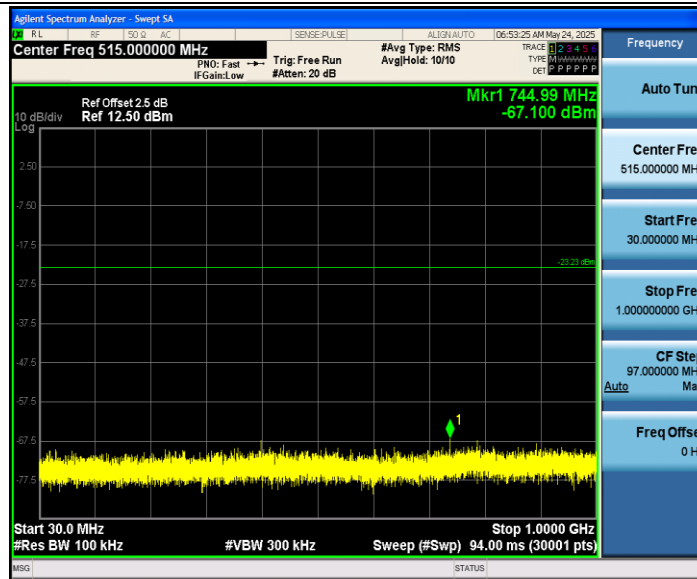
BLE_1M_Ant1_2440_1000~26500



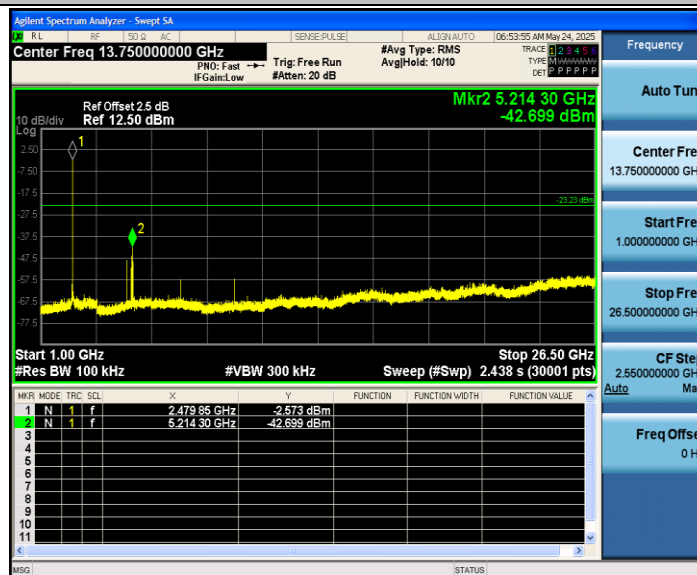
BLE_1M_Ant1_2480_0~Reference



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	0.62	0.6613	66.13	1.80	---	---
		2480	0.41	0.63	0.6508	65.08	1.87	---	---

Test Graphs

