

Appendix RF Test Data for BLE

FCC ID : 2BRTI-SC01

Company : Dingxin Electrical Appliance (Shenzhen) Co., Ltd

EUT : selfie screen

Model Number : SC01

Report No. : CTA25072500401

Reviewed By : Eric Wang

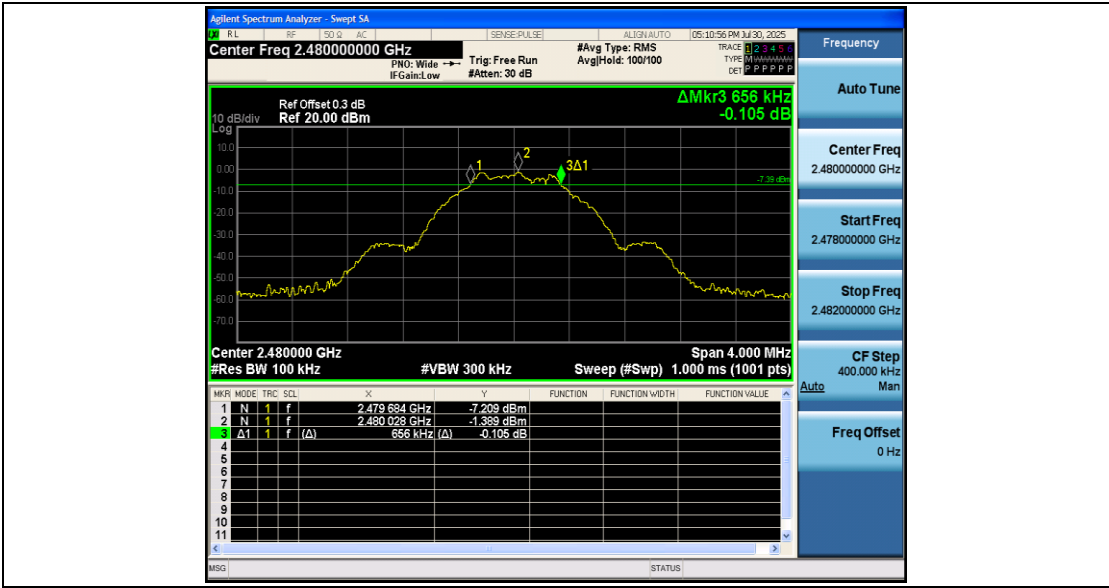
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.628	2401.692	2402.320	0.5	PASS
		2440	0.664	2439.680	2440.344	0.5	PASS
		2480	0.656	2479.684	2480.340	0.5	PASS

Test Graphs



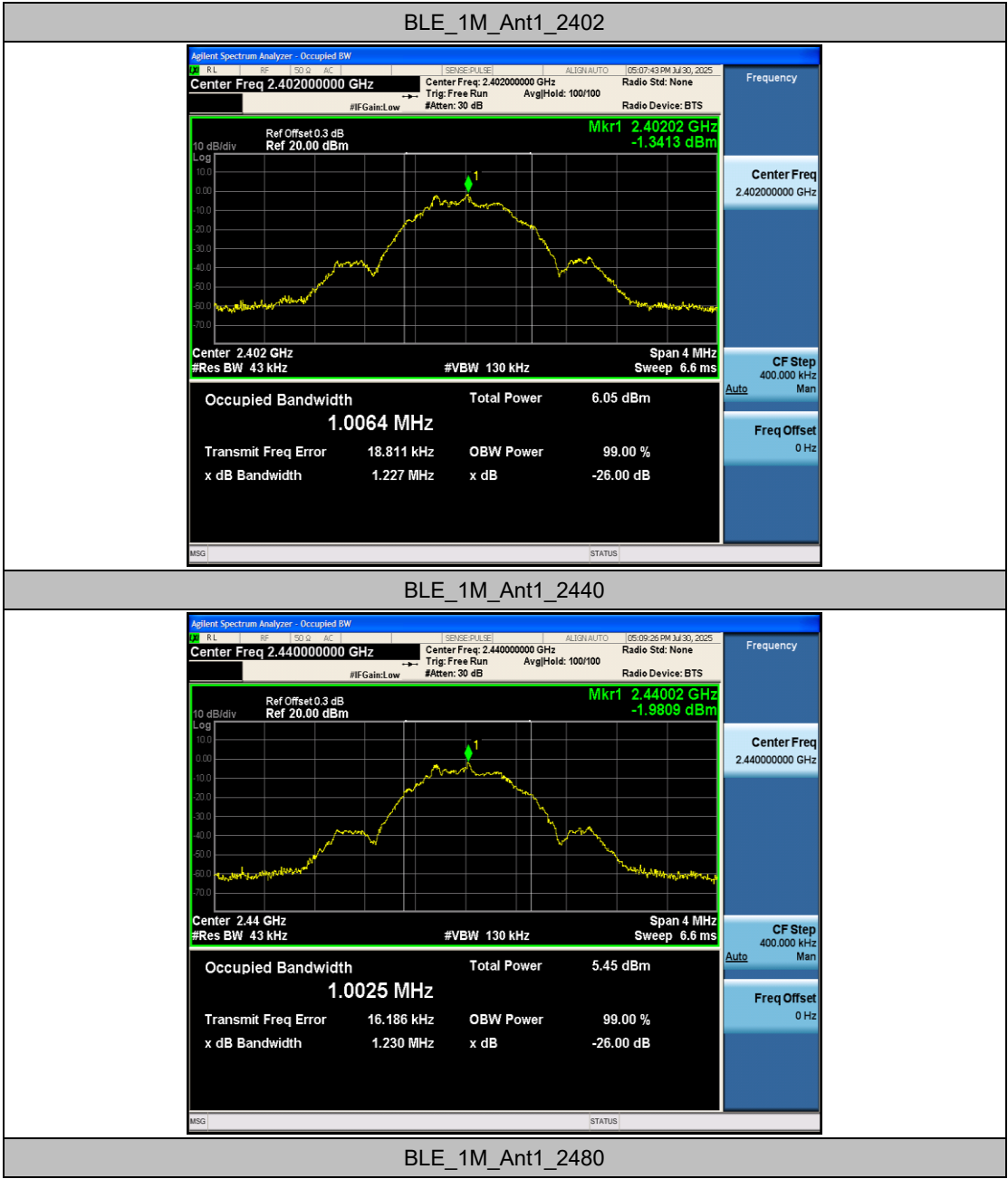


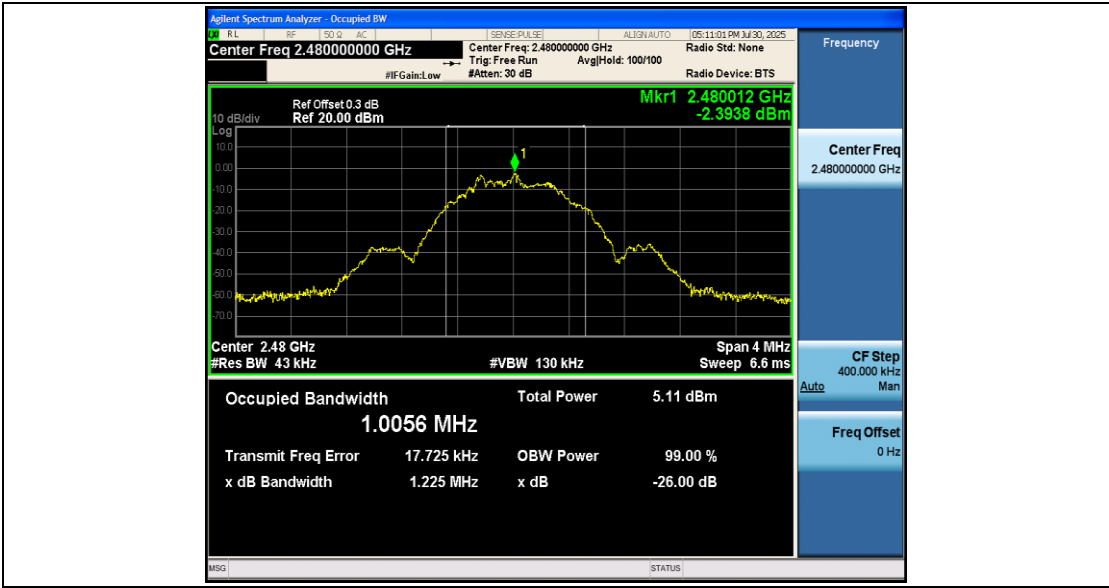
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0064	2401.5156	2402.5220	---	---
		2440	1.0025	2439.5149	2440.5174	---	---
		2480	1.0056	2479.5149	2480.5205	---	---

Test Graphs





Appendix C: Maximum conducted output power

Test Result Peak

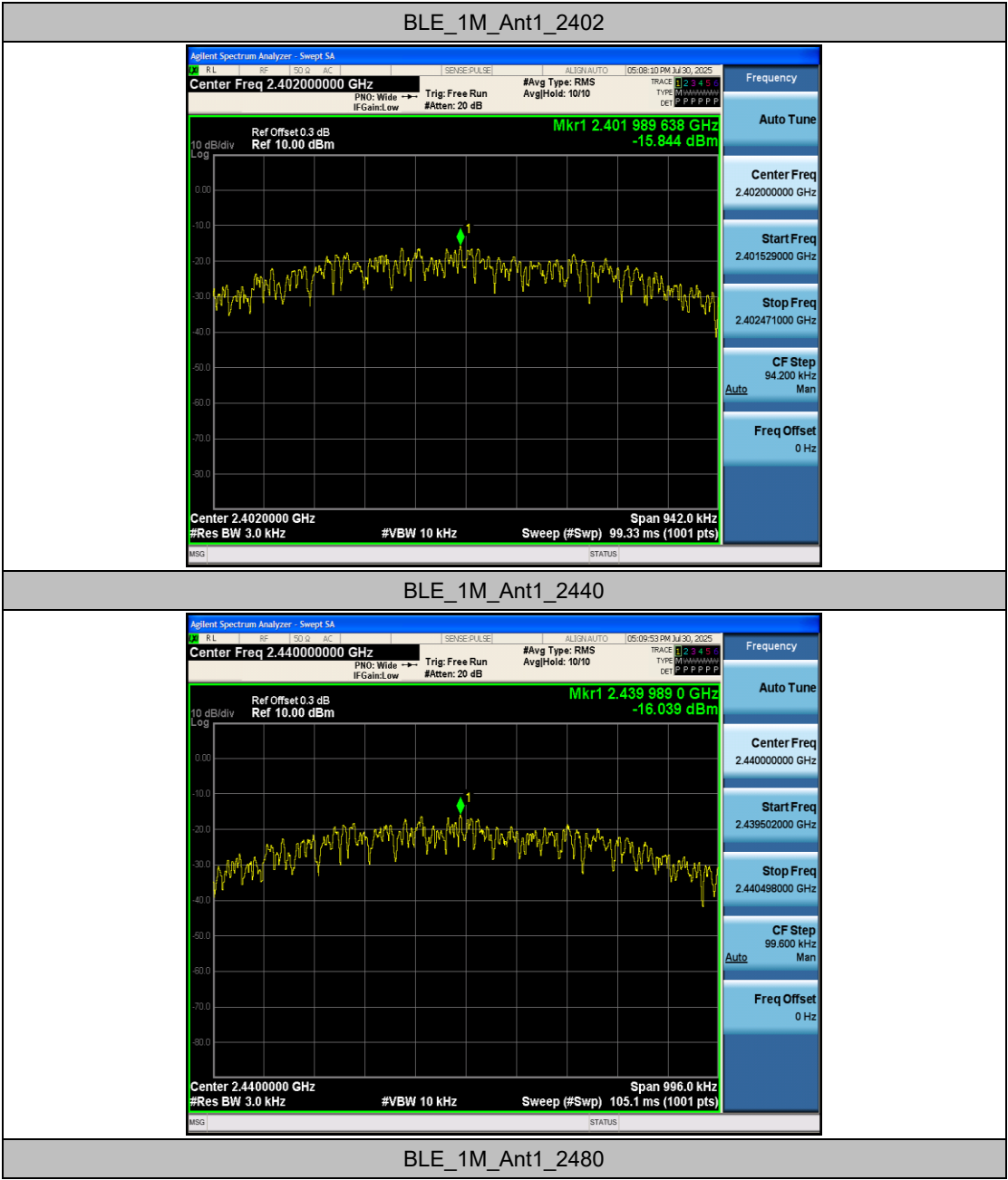
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.06	≤30	PASS
		2440	-0.74	≤30	PASS
		2480	-1.02	≤30	PASS

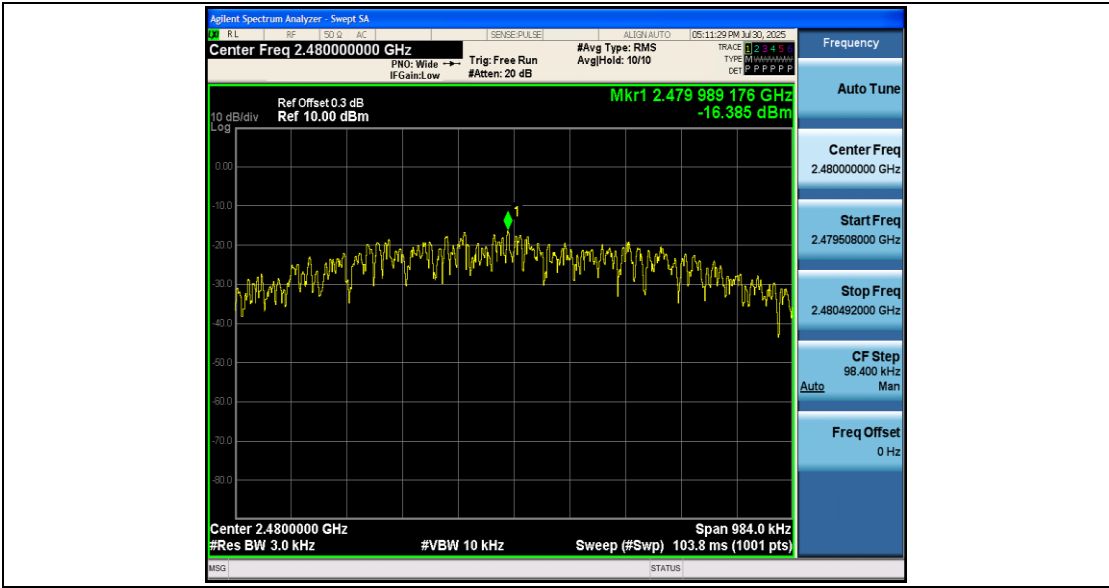
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.84	≤8.00	PASS
		2440	-16.04	≤8.00	PASS
		2480	-16.39	≤8.00	PASS

Test Graphs



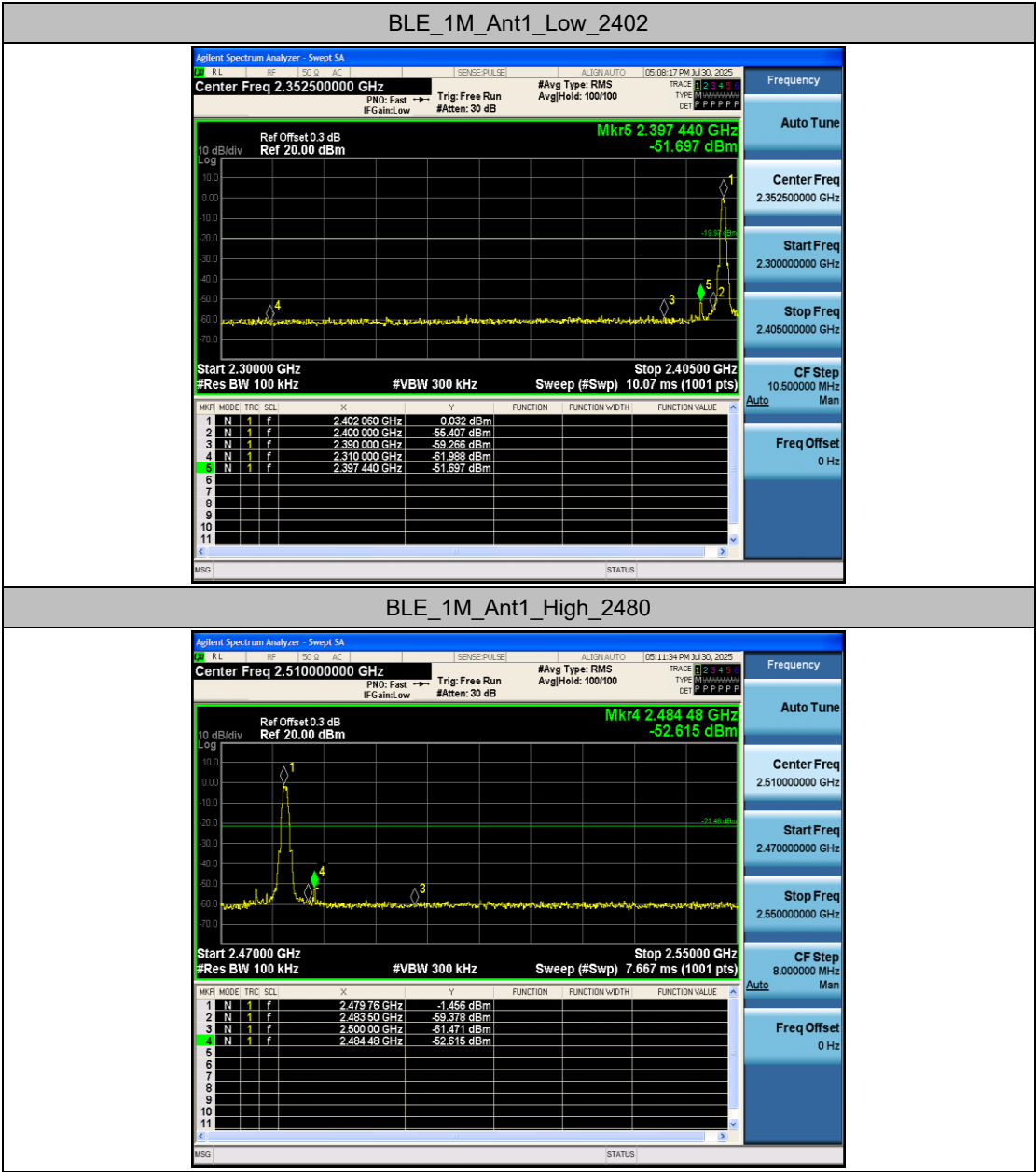


Appendix E: Band edge measurements

Test Result

TestMod e	Antenn a	ChNam e	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdic t
BLE_1M	Ant1	Low	2402	0.03	-51.7	≤-19.97	PASS
		High	2480	-1.46	-52.62	≤-21.46	PASS

Test Graphs

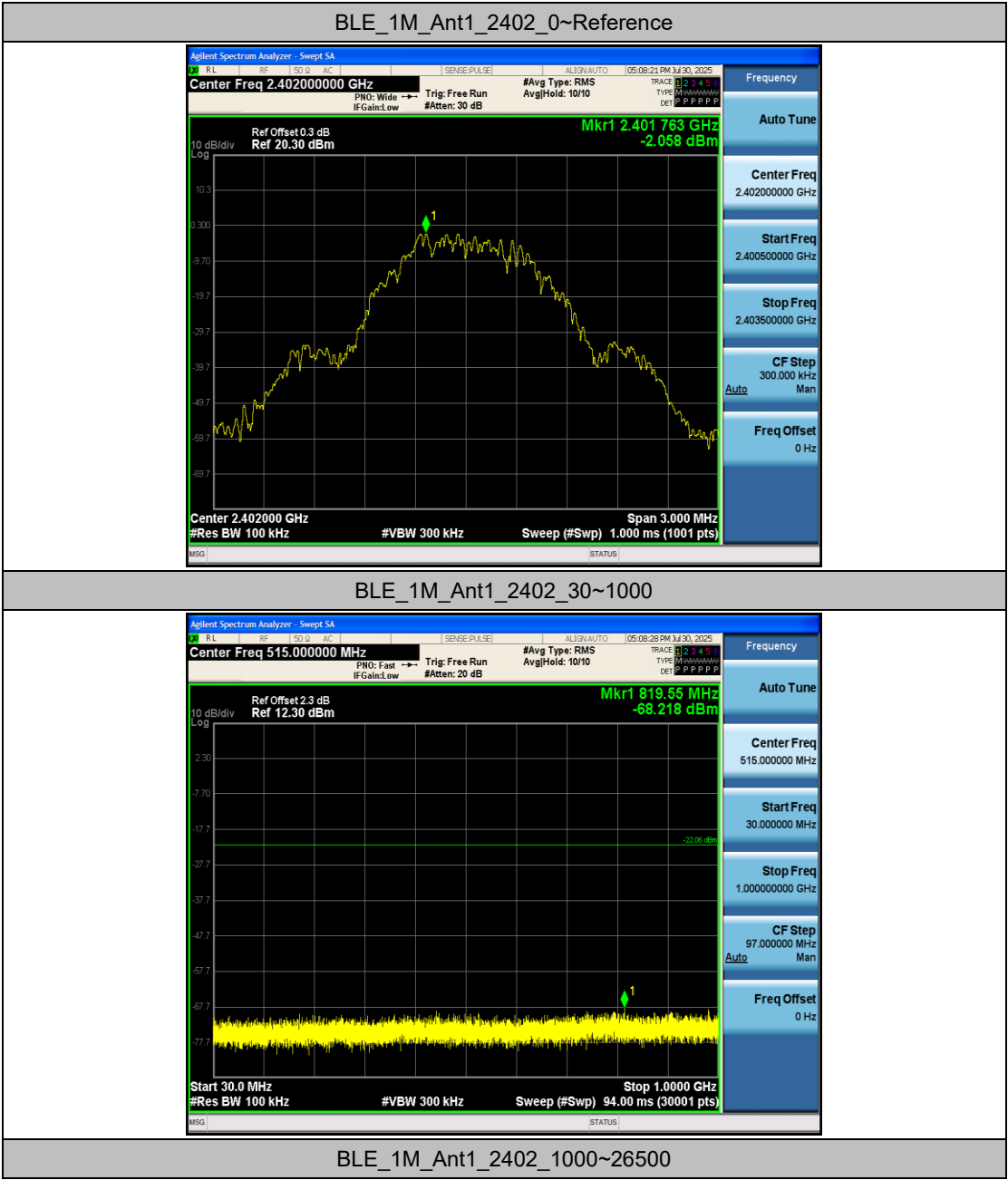


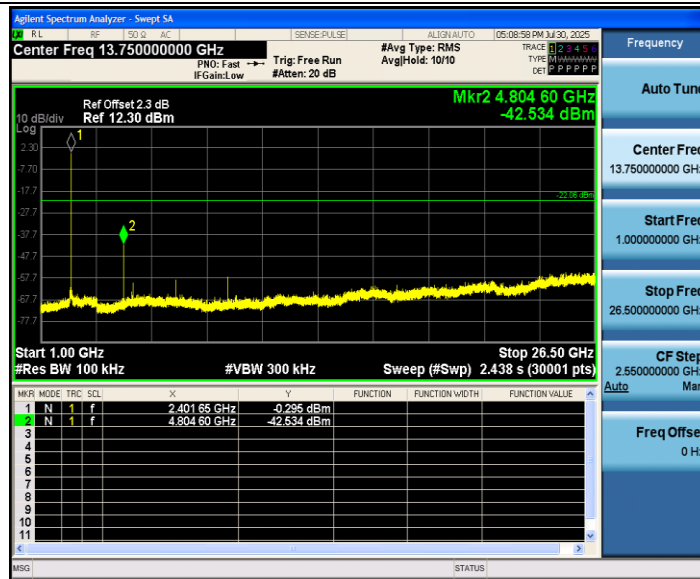
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-2.06	-2.06	---	PASS
			30~1000	-2.06	-68.22	≤-22.06	PASS
			1000~26500	-2.06	-42.53	≤-22.06	PASS
		2440	Reference	-2.00	-2.00	---	PASS
			30~1000	-2.00	-67.81	≤-22	PASS
			1000~26500	-2.00	-44.33	≤-22	PASS
		2480	Reference	-1.85	-1.85	---	PASS
			30~1000	-1.85	-67.68	≤-21.85	PASS
			1000~26500	-1.85	-43.94	≤-21.85	PASS

Test Graphs

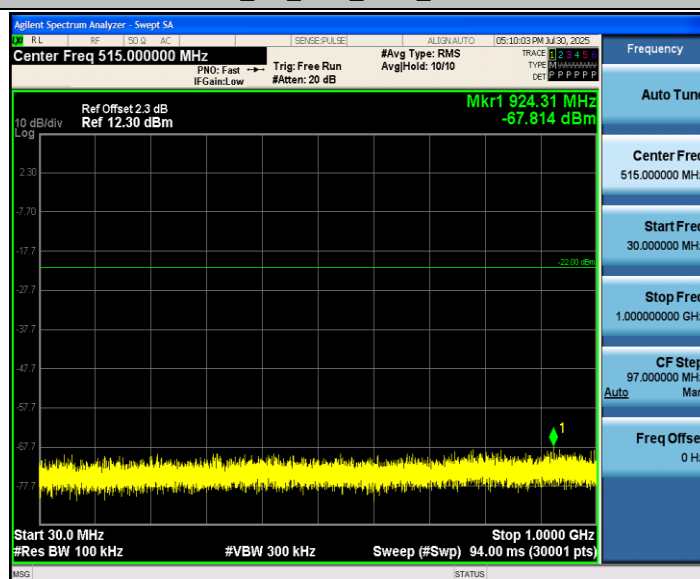




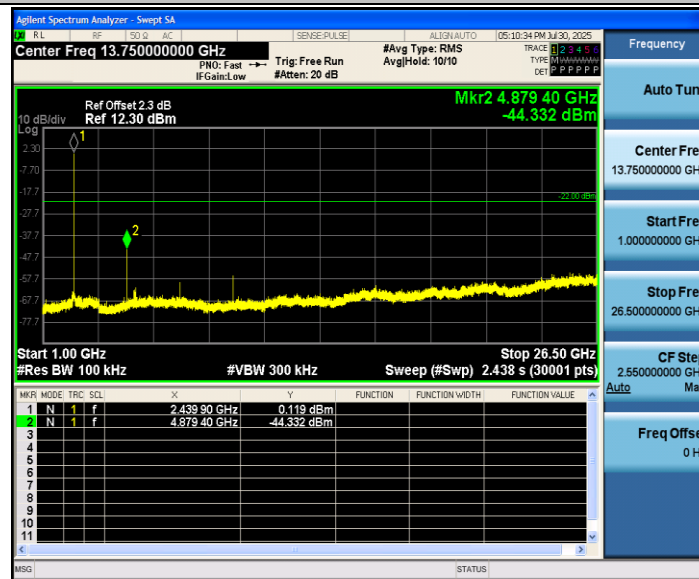
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



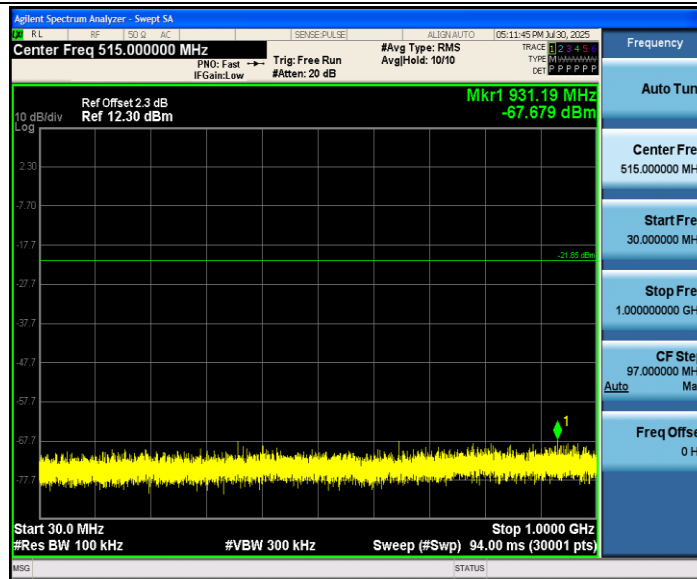
BLE_1M_Ant1_2440_1000~26500



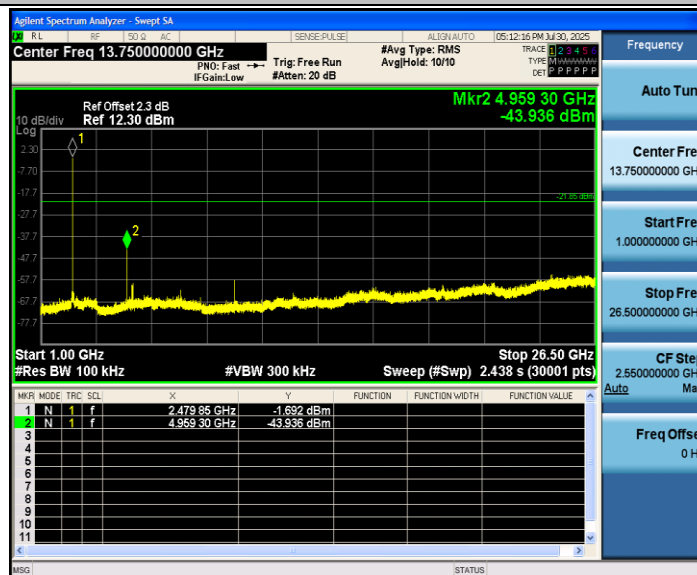
BLE_1M_Ant1_2480_0~Reference



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	0.62	0.6613	66.13	1.80	---	---
		2440	0.41	0.62	0.6613	66.13	1.80	---	---
		2480	0.41	0.62	0.6613	66.13	1.80	---	---

Test Graphs

