

FCC Appendix RF Test Data for BLE

FCC ID : 2ANYC-RF5520

Company : Guangzhou Netum Electronic Technology Co., Ltd.

EUT : Portable Barcode Reader

Model Number : RF5520

Report No. : CTA25112801801

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	0.660	2401.680	2402.340	0.5	PASS
		2440	0.632	2439.700	2440.332	0.5	PASS
		2480	0.648	2479.692	2480.340	0.5	PASS

Test Graphs



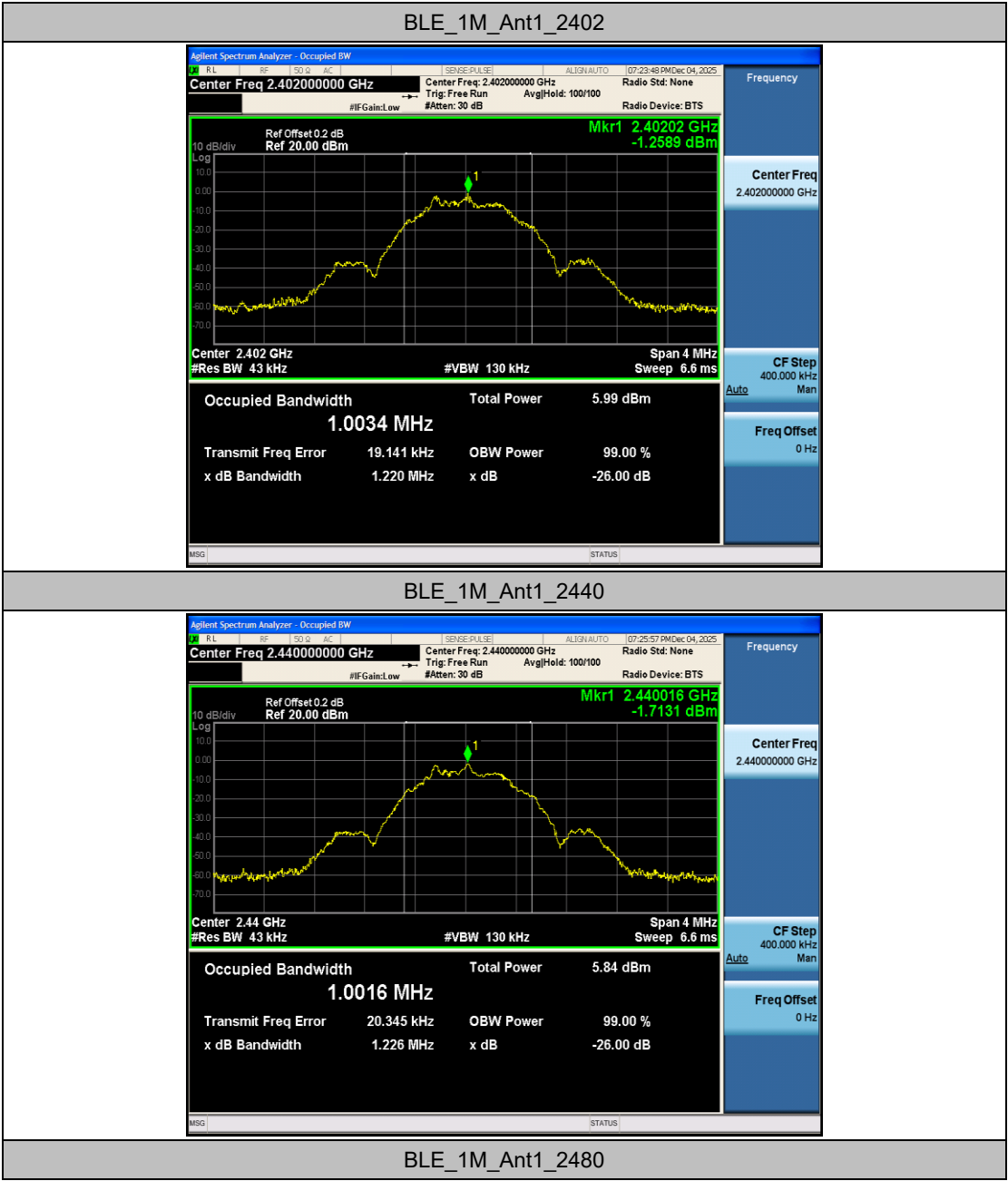


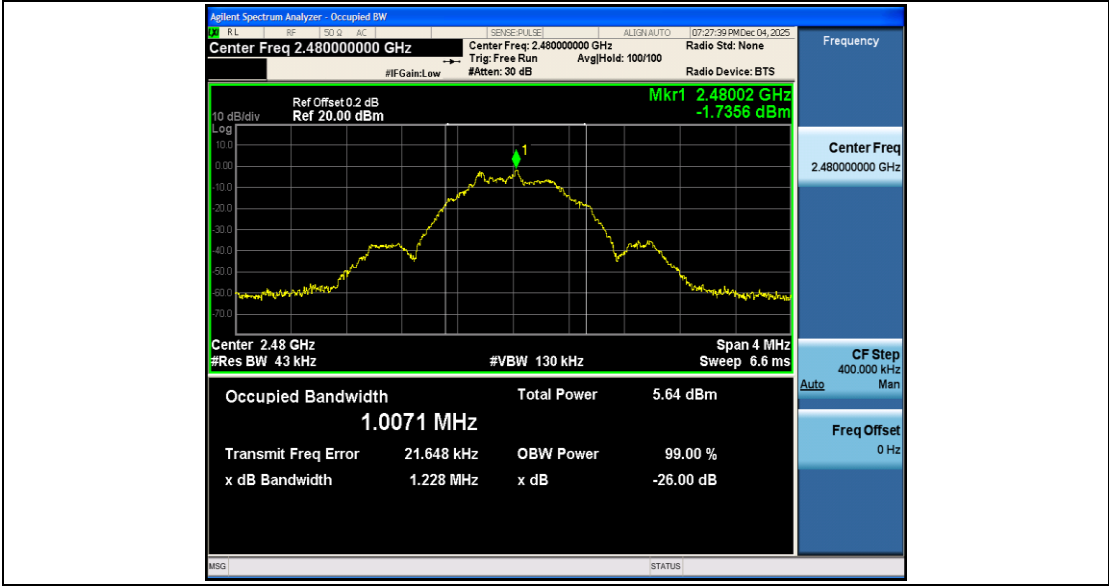
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0034	2401.5174	2402.5208	---	---
		2440	1.0016	2439.5195	2440.5211	---	---
		2480	1.0071	2479.5181	2480.5252	---	---

Test Graphs





Appendix C: Maximum conducted output power

Test Result Peak

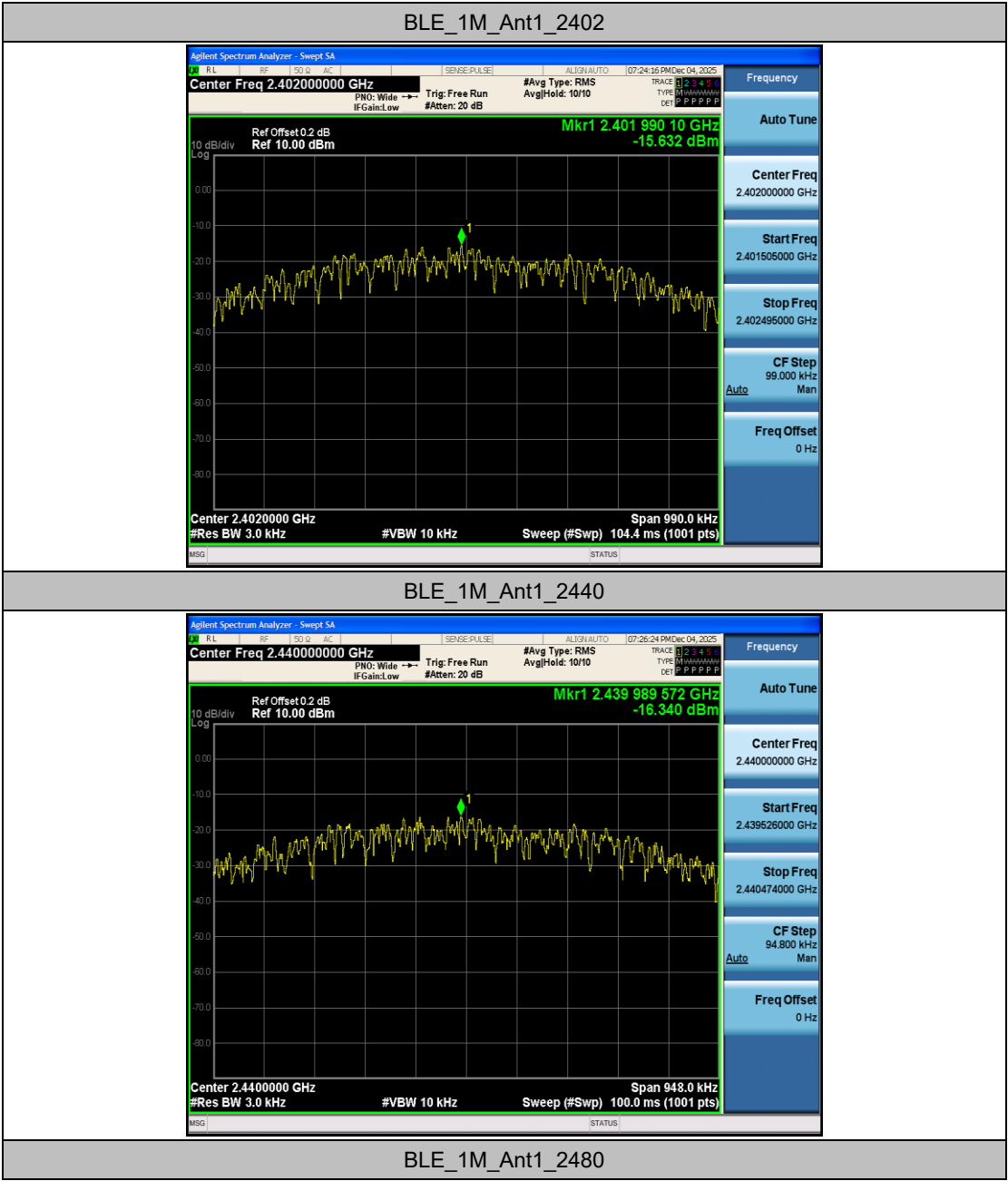
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.06	≤30	PASS
		2440	-0.43	≤30	PASS
		2480	-0.42	≤30	PASS

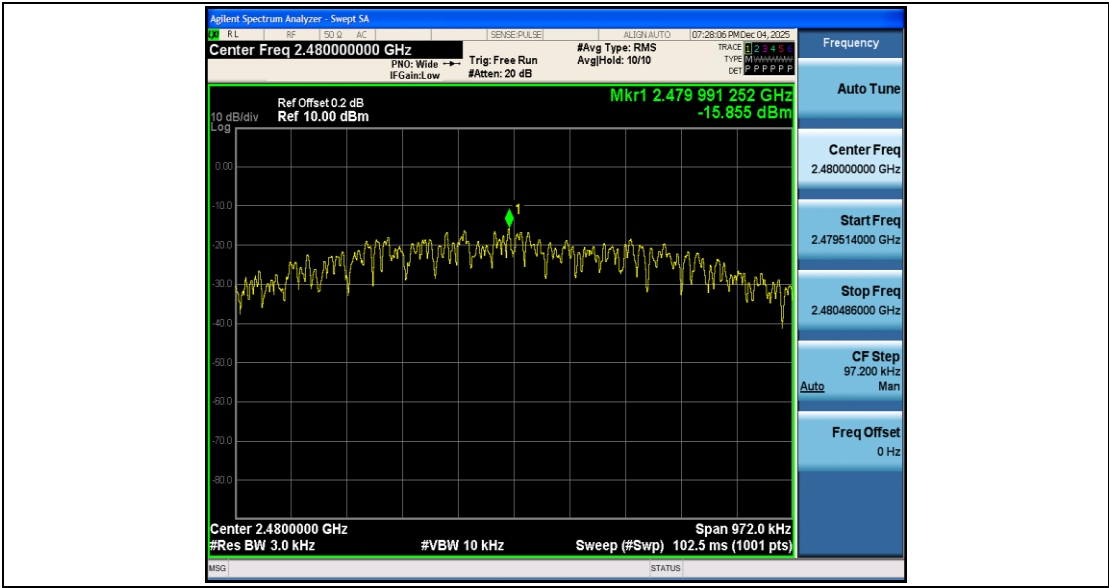
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.63	≤8.00	PASS
		2440	-16.34	≤8.00	PASS
		2480	-15.86	≤8.00	PASS

Test Graphs



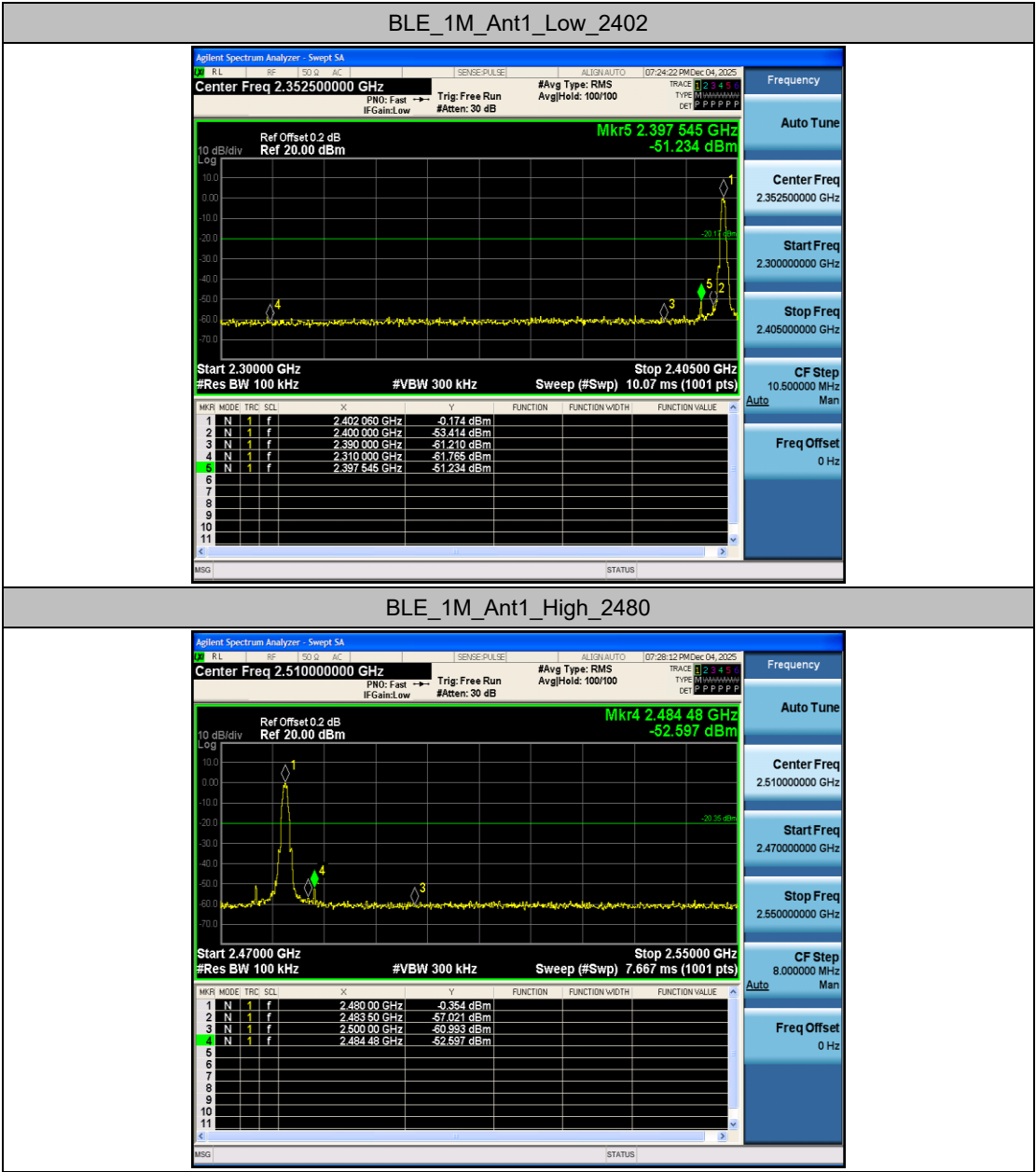


Appendix E: Band edge measurements

Test Result

TestMod e	Antenn a	ChNam e	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdic t
BLE_1M	Ant1	Low	2402	-0.17	-51.23	≤-20.17	PASS
		High	2480	-0.35	-52.6	≤-20.35	PASS

Test Graphs

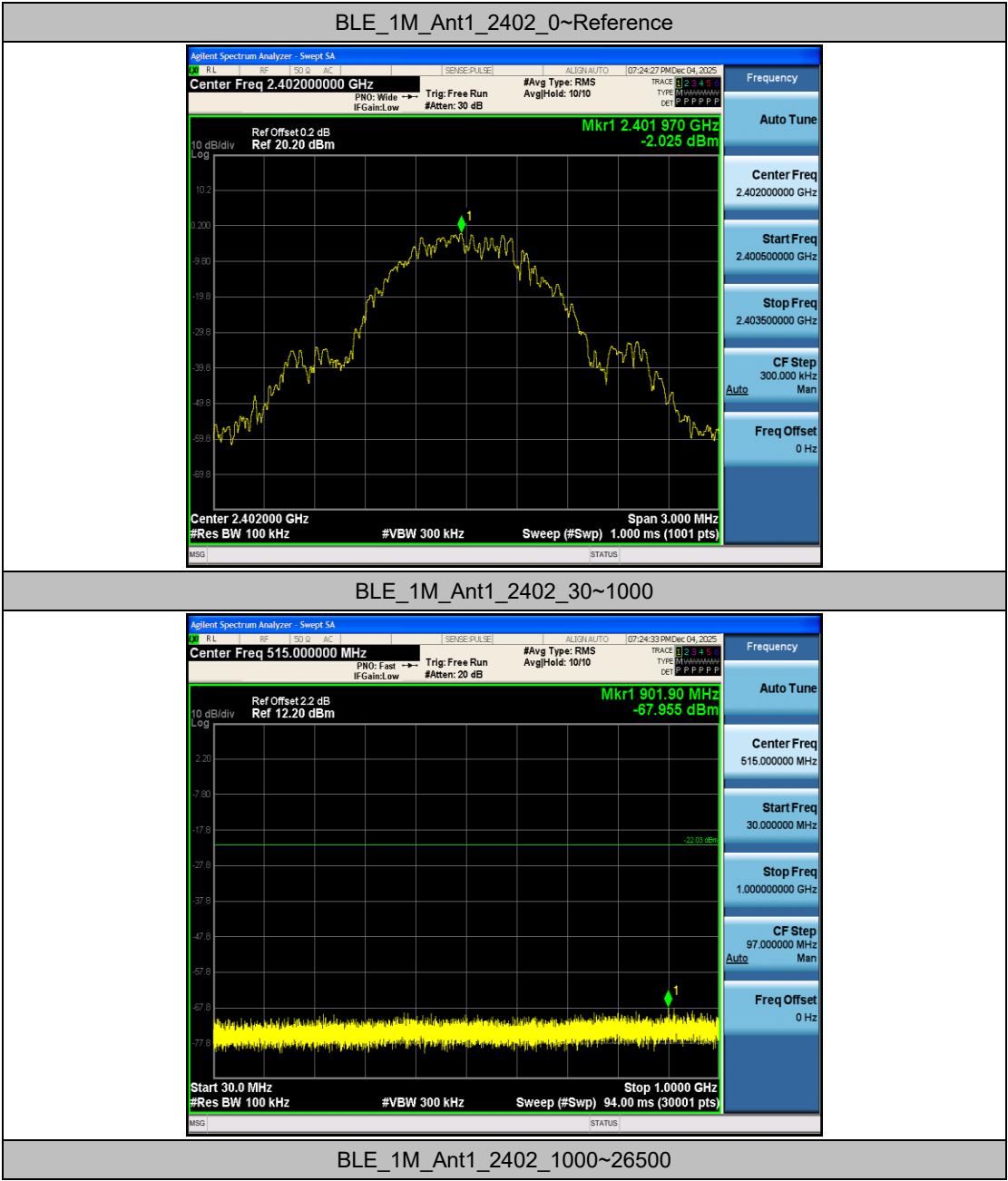


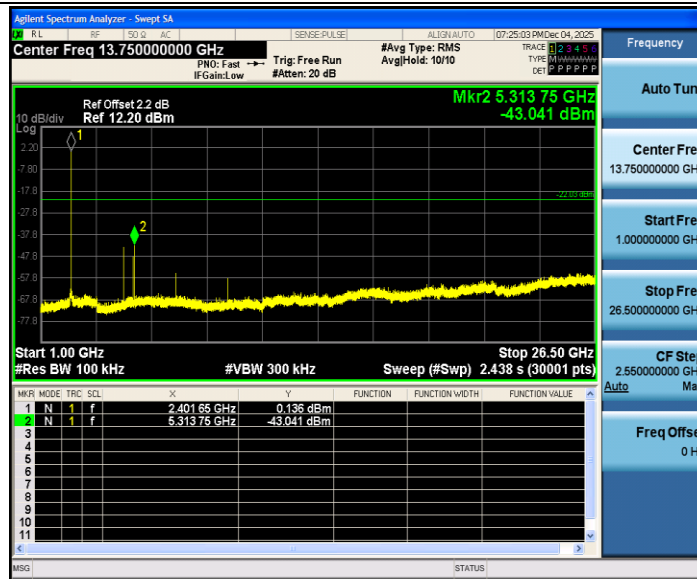
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-2.03	-2.03	---	PASS
			30~1000	-2.03	-67.96	≤-22.03	PASS
			1000~26500	-2.03	-43.04	≤-22.03	PASS
		2440	Reference	-1.48	-1.48	---	PASS
			30~1000	-1.48	-68.36	≤-21.48	PASS
			1000~26500	-1.48	-44.41	≤-21.48	PASS
		2480	Reference	-0.90	-0.90	---	PASS
			30~1000	-0.90	-67.47	≤-20.9	PASS
			1000~26500	-0.90	-44.33	≤-20.9	PASS

Test Graphs

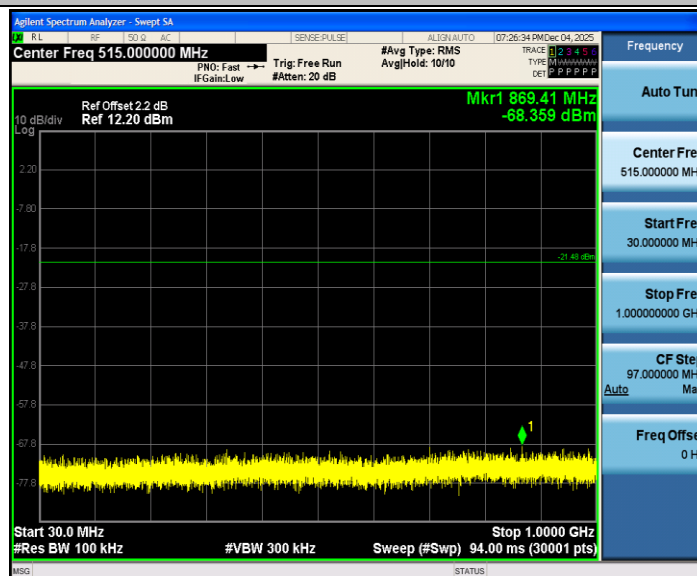




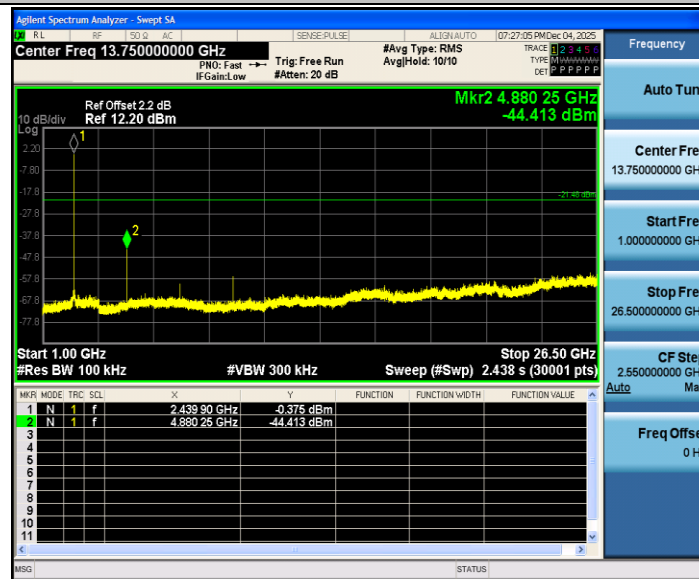
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



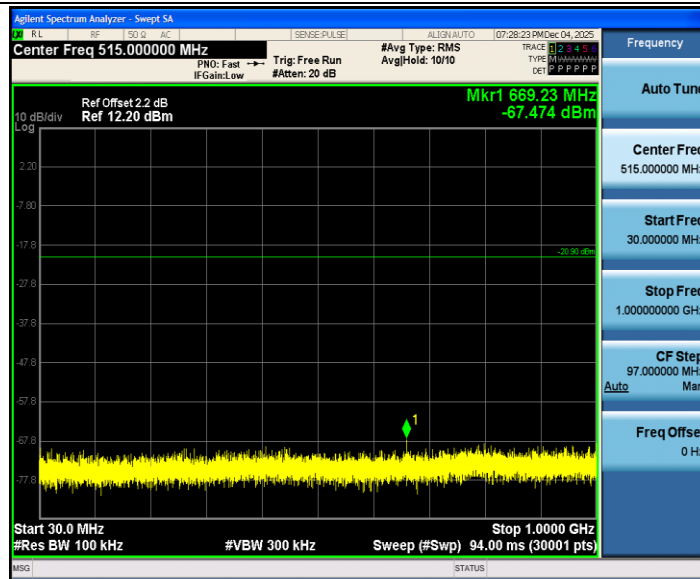
BLE_1M_Ant1_2440_1000~26500



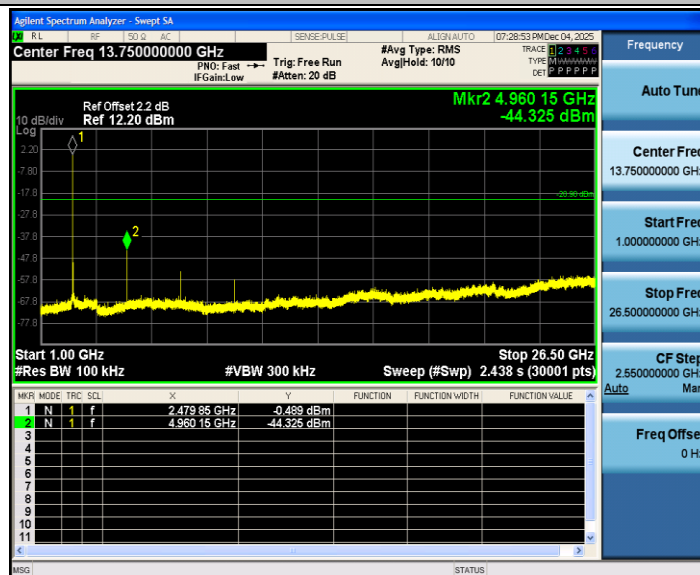
BLE_1M_Ant1_2480_0~Reference



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	0.62	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

