

FCC Appendix RF Test Data

FCC ID : 2BHVT-VSE-ALC08

Company: : VIVOSUN INC.

EUT : Intelligent Air Conditioner

Model Number : VSE-ALC08

Report No. : CTA25040101901

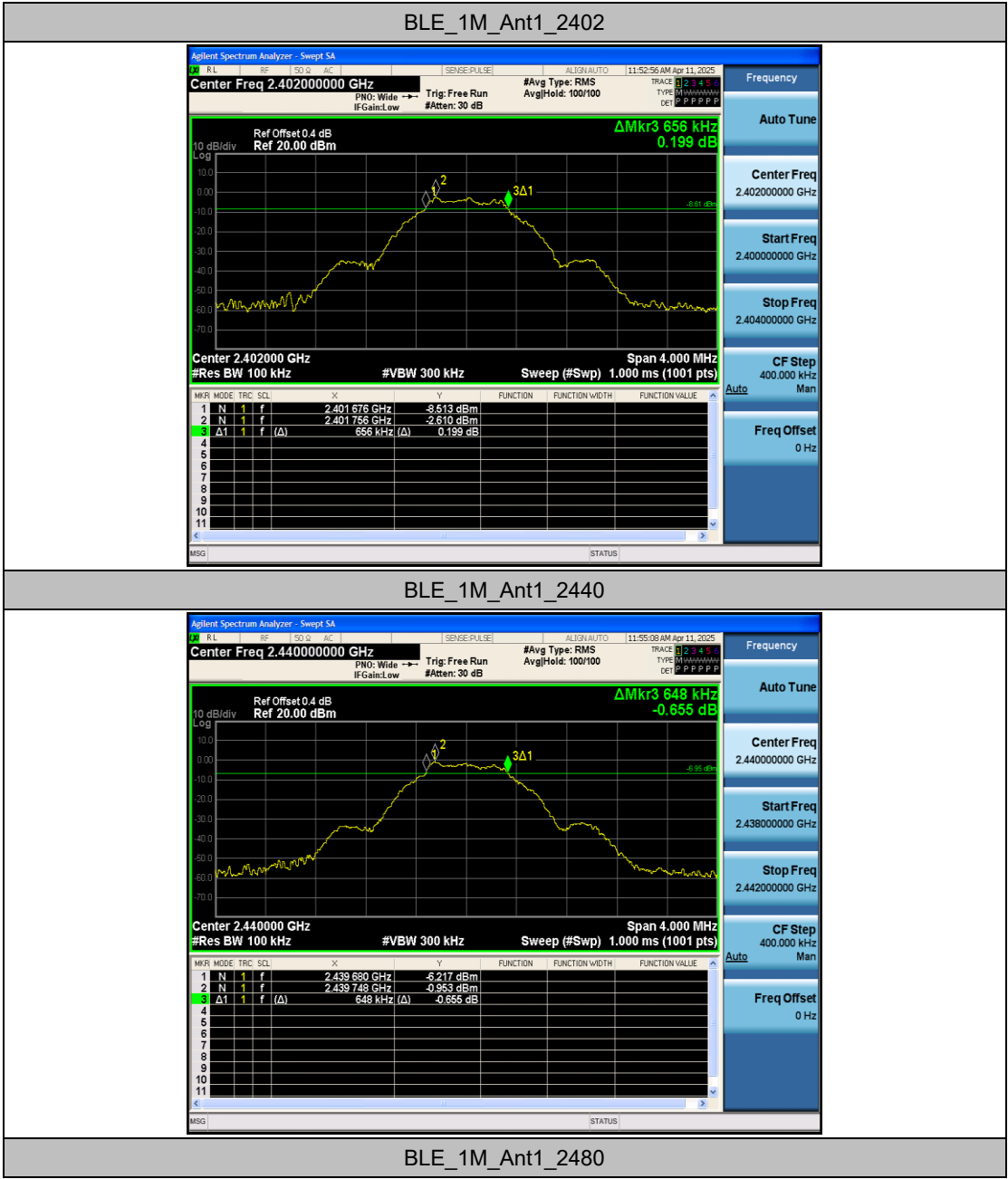
Reviewed By : Eric Wang

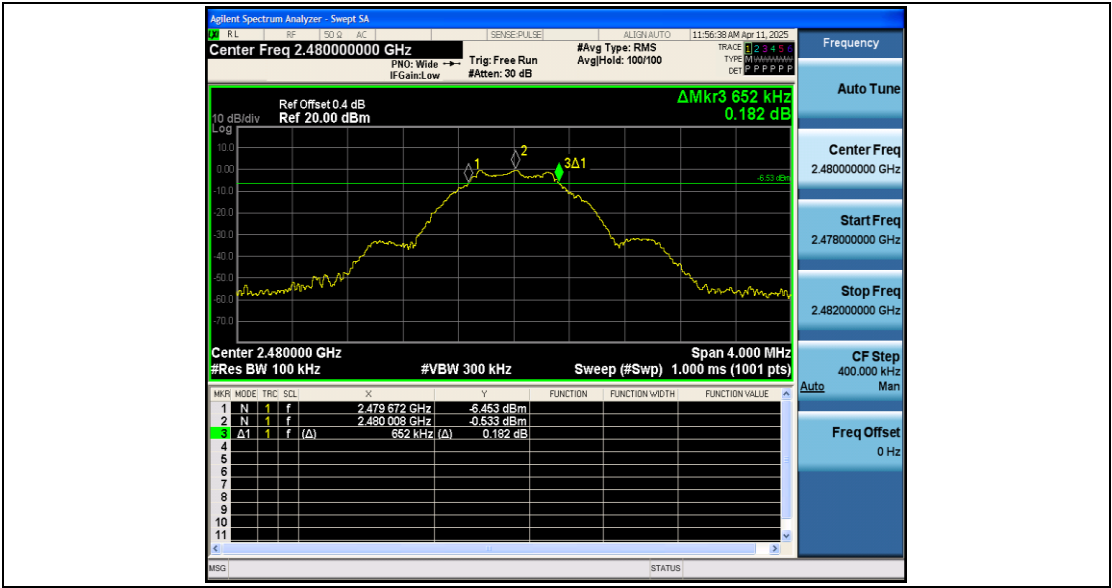
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.656	2401.676	2402.332	0.5	PASS
		2440	0.648	2439.680	2440.328	0.5	PASS
		2480	0.652	2479.672	2480.324	0.5	PASS

Test Graphs



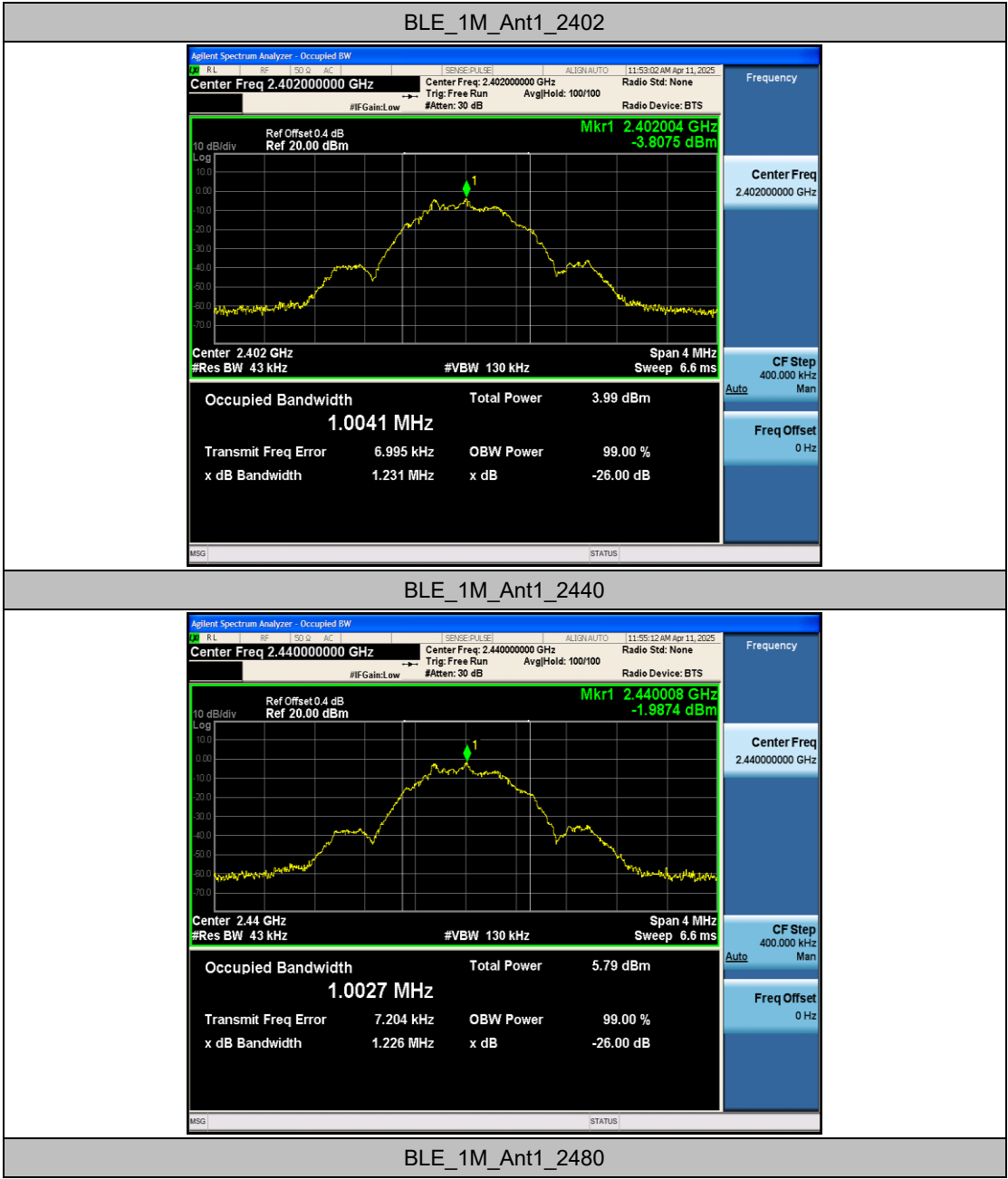


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0041	2401.5050	2402.5091	---	---
		2440	1.0027	2439.5059	2440.5086	---	---
		2480	1.0055	2479.5039	2480.5094	---	---

Test Graphs



Appendix C: Maximum conducted output power

Test Result Peak

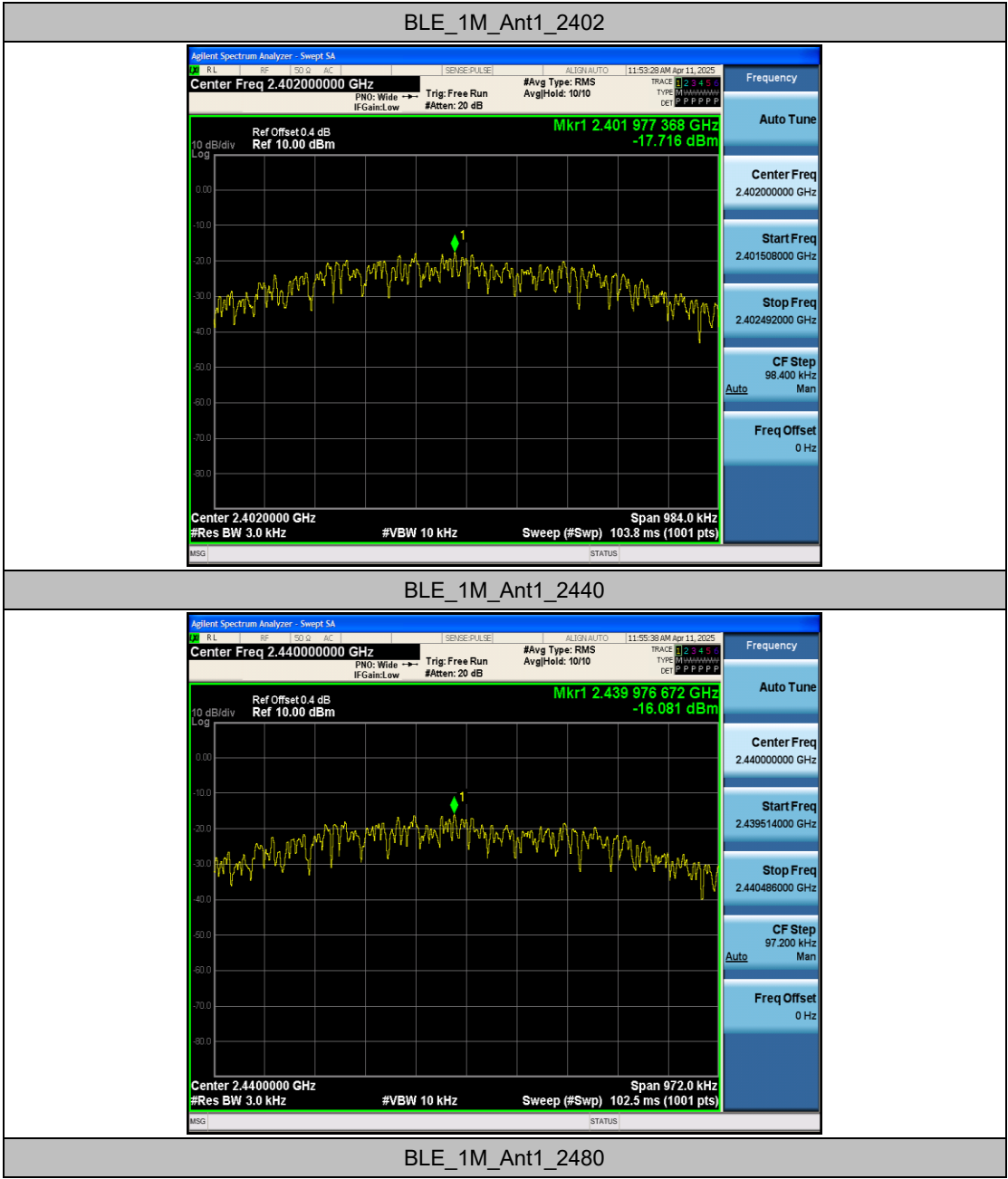
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-2.19	≤30	PASS
		2440	-0.47	≤30	PASS
		2480	-0.14	≤30	PASS

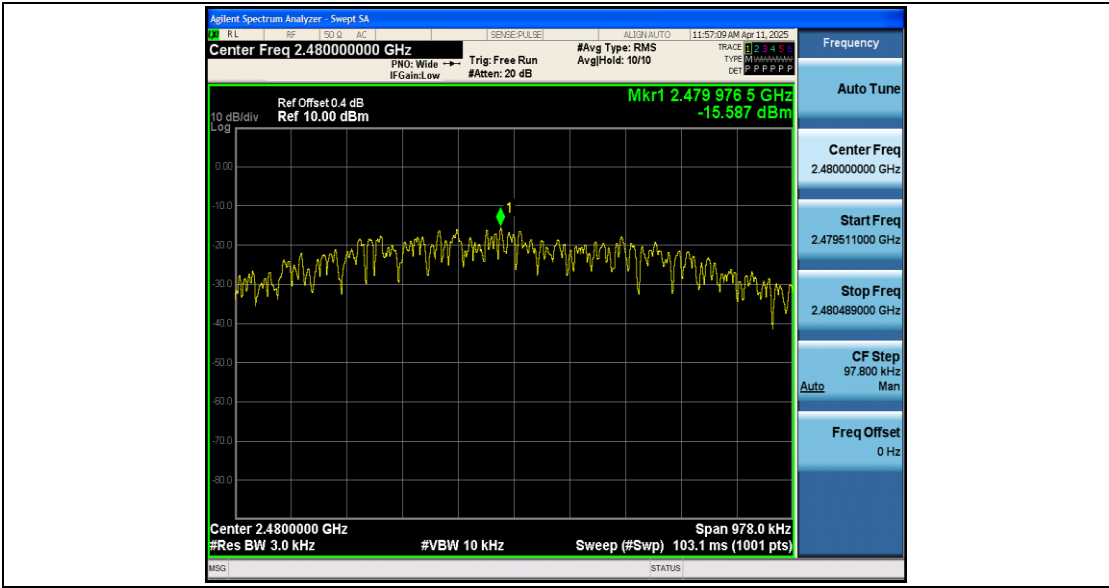
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-17.72	≤8.00	PASS
		2440	-16.08	≤8.00	PASS
		2480	-15.59	≤8.00	PASS

Test Graphs



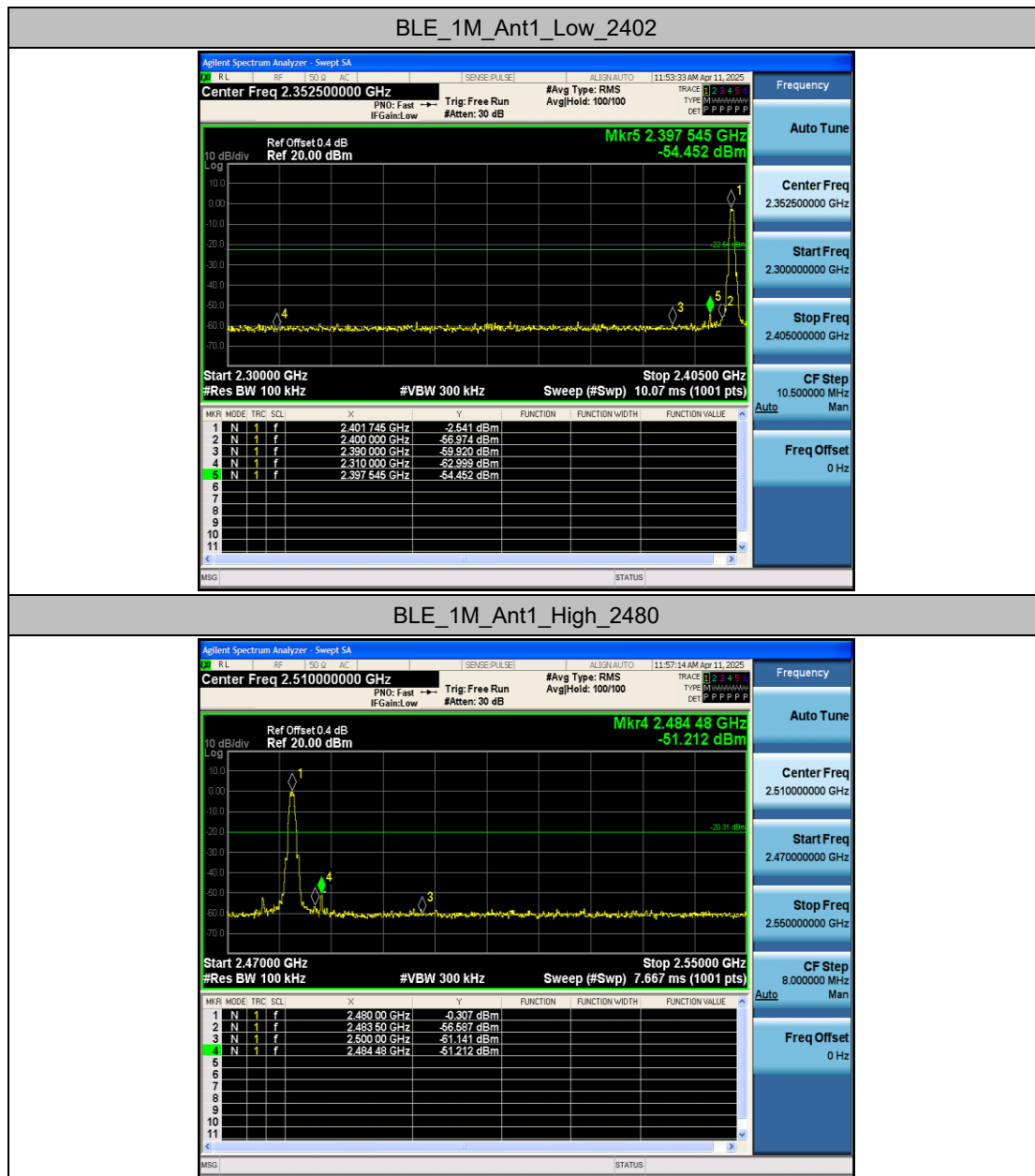


Appendix E: Band edge measurements

Test Result

TestMod e	Antenn a	ChNam e	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdic t
BLE_1M	Ant1	Low	2402	-2.54	-54.45	≤-22.54	PASS
		High	2480	-0.31	-51.21	≤-20.31	PASS

Test Graphs

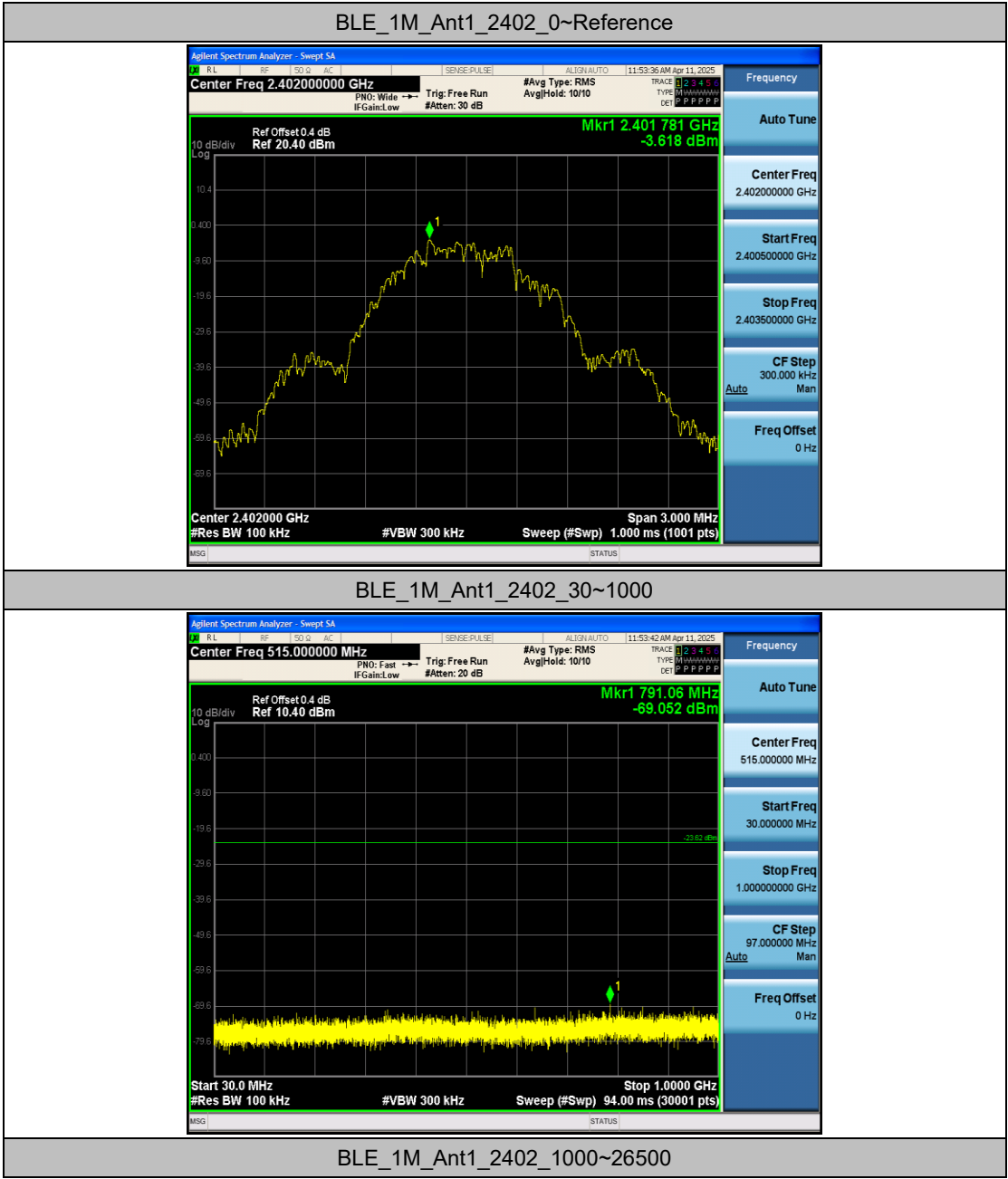


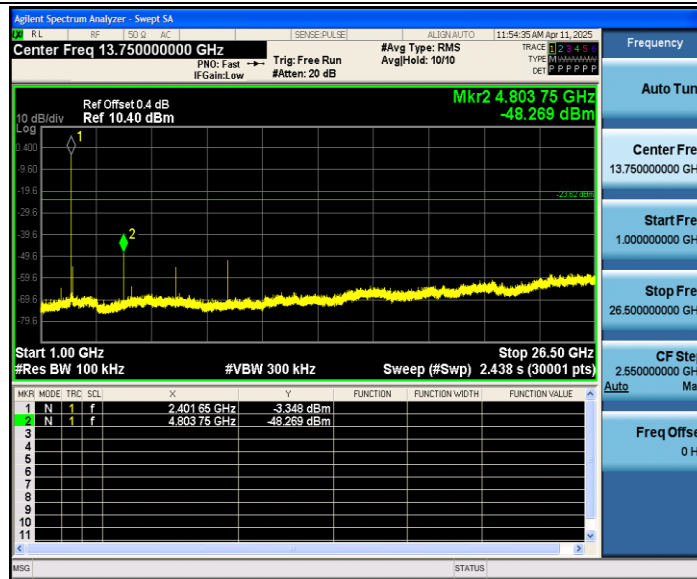
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-3.62	-3.62	---	PASS
			30~1000	-3.62	-69.05	≤-23.62	PASS
			1000~26500	-3.62	-48.27	≤-23.62	PASS
		2440	Reference	-0.82	-0.82	---	PASS
			30~1000	-0.82	-69.4	≤-20.82	PASS
			1000~26500	-0.82	-48.72	≤-20.82	PASS
		2480	Reference	-0.55	-0.55	---	PASS
			30~1000	-0.55	-70.29	≤-20.55	PASS
			1000~26500	-0.55	-47.48	≤-20.55	PASS

Test Graphs

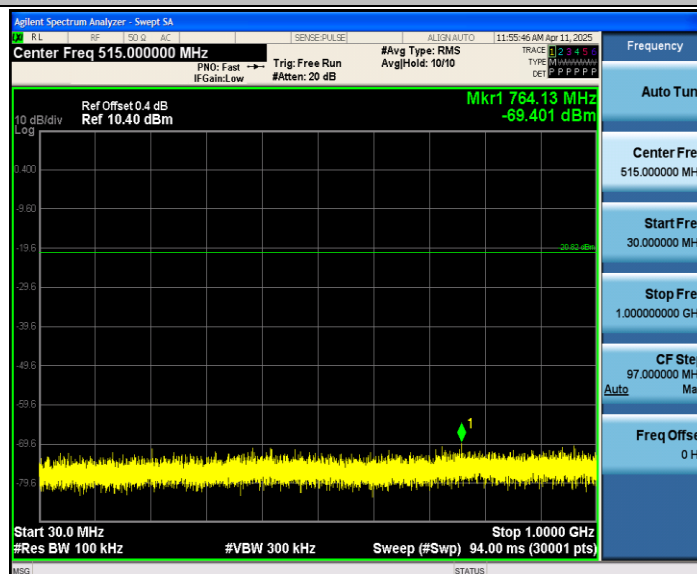




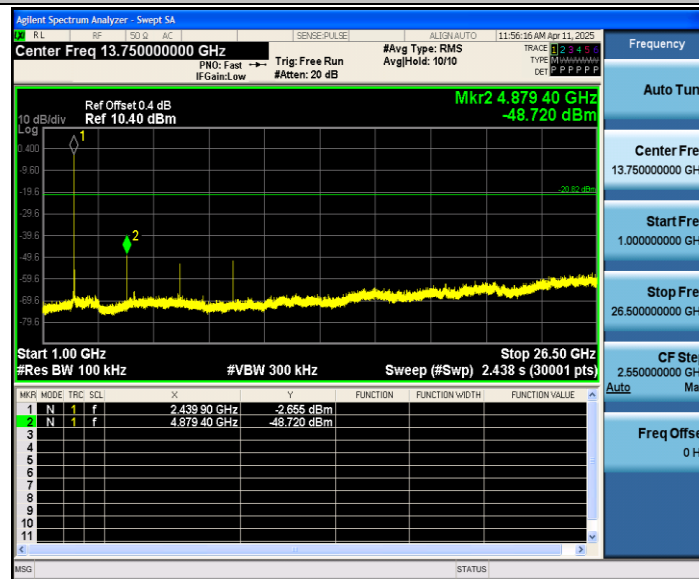
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



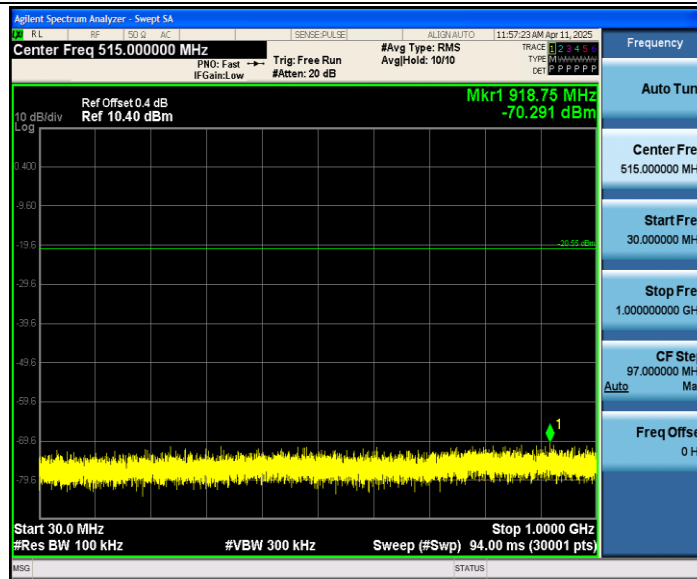
BLE_1M_Ant1_2440_1000~26500



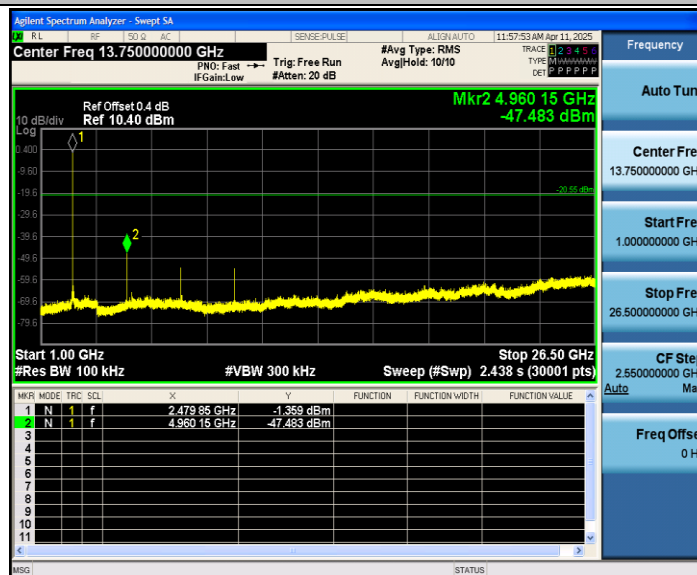
BLE_1M_Ant1_2480_0~Reference



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	0.42	0.63	0.6667	66.67	1.76	---	---
		2440	0.42	0.63	0.6667	66.67	1.76	---	---
		2480	0.42	0.63	0.6667	66.67	1.76	---	---

Test Graphs

