

FCC Appendix RF Test Data

FCC ID : 2BMNL-RS500

Company : Zhuhai ChunFeng Electric Technology Co., Ltd

EUT : Electric Scooter

Model Number : RS500

Report No. : CTA25082701301

Reviewed By : Eric Wang

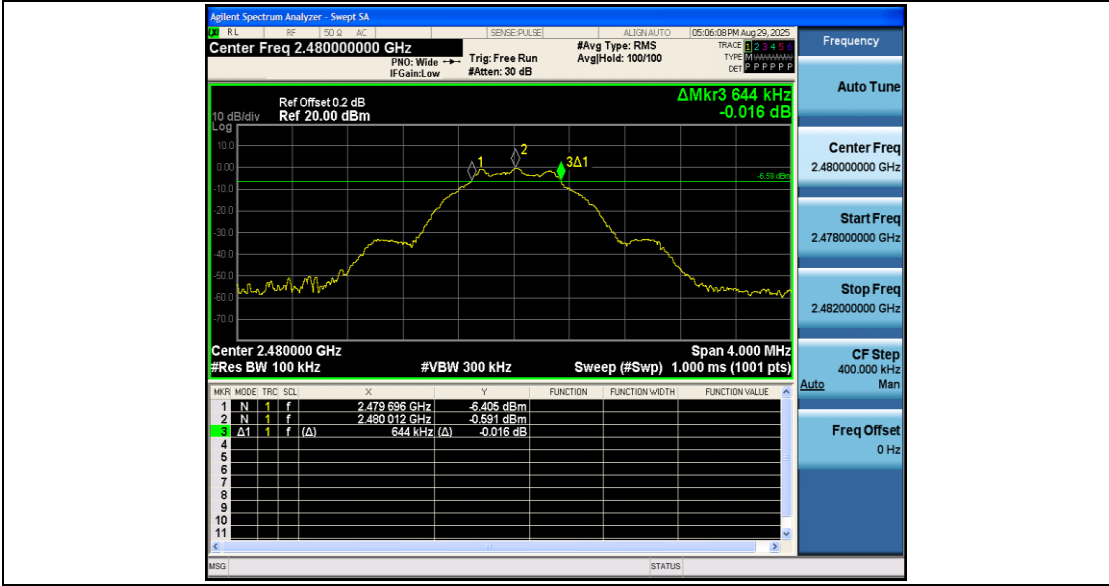
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.632	2401.696	2402.328	0.5	PASS
		2440	0.656	2439.684	2440.340	0.5	PASS
		2480	0.644	2479.696	2480.340	0.5	PASS

Test Graphs



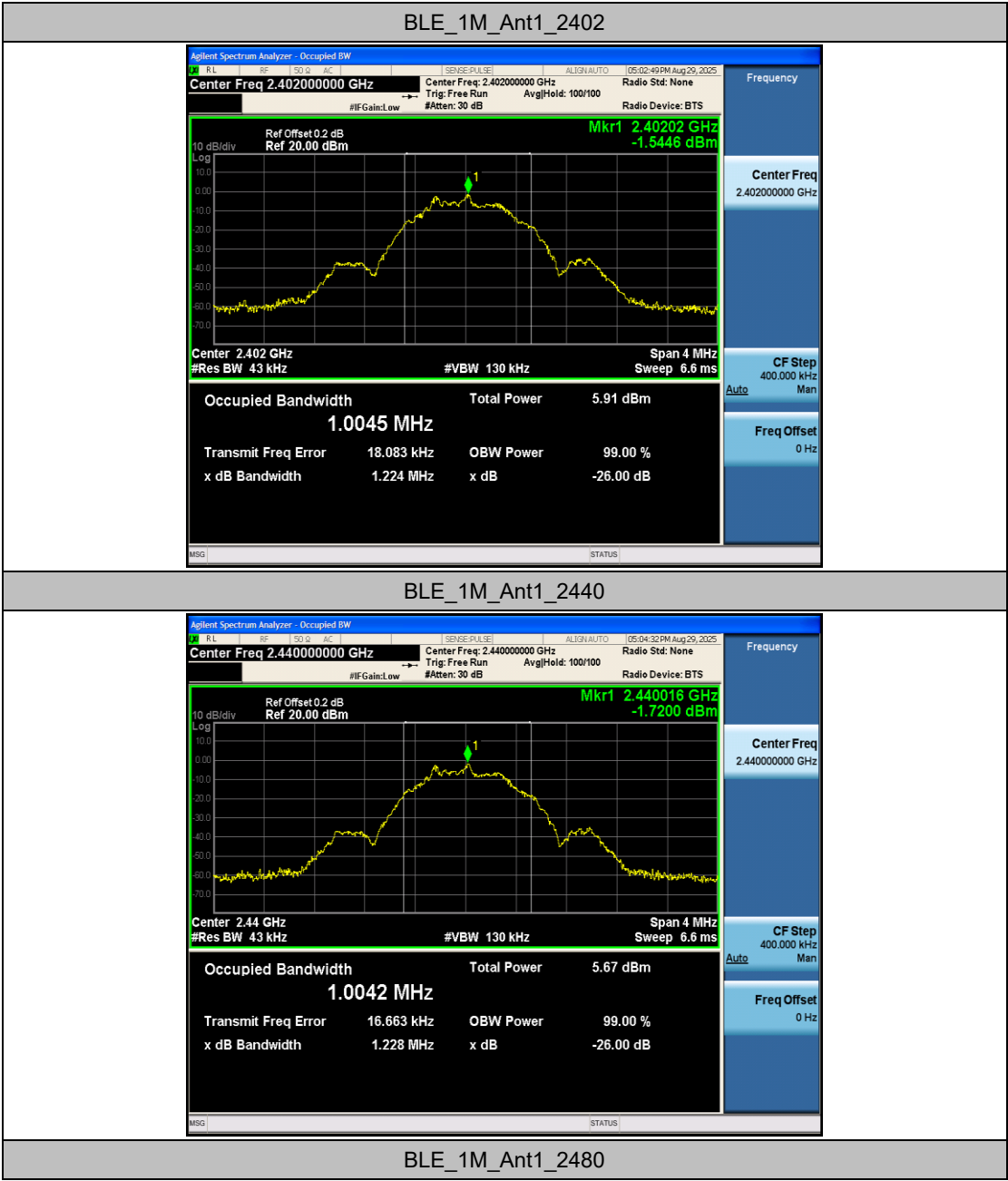


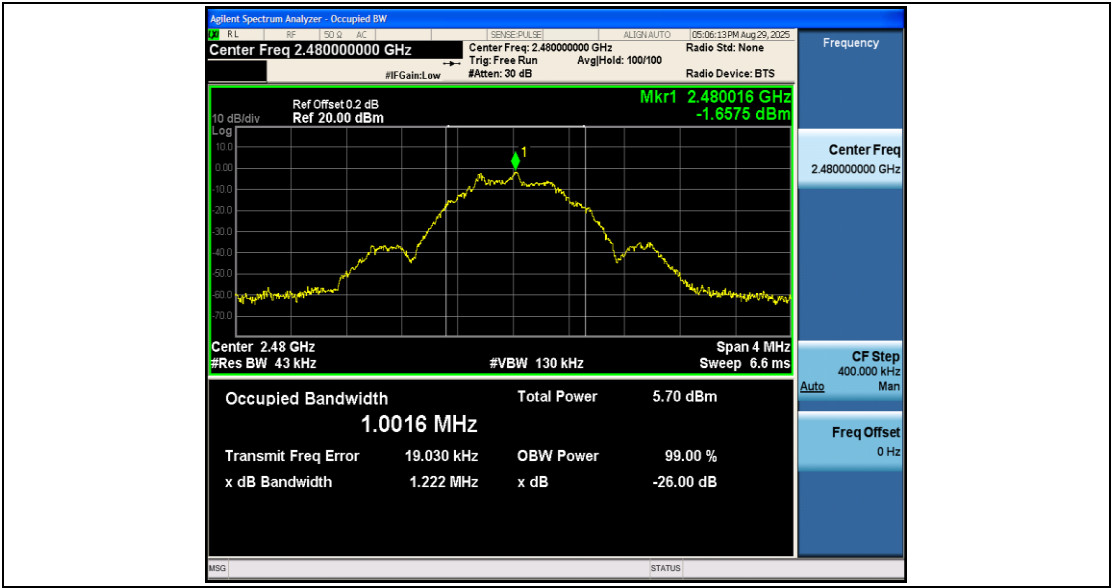
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0045	2401.5158	2402.5203	---	---
		2440	1.0042	2439.5146	2440.5188	---	---
		2480	1.0016	2479.5182	2480.5198	---	---

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	-0.29	≤30	PASS
		2440	-0.51	≤30	PASS
		2480	-0.42	≤30	PASS

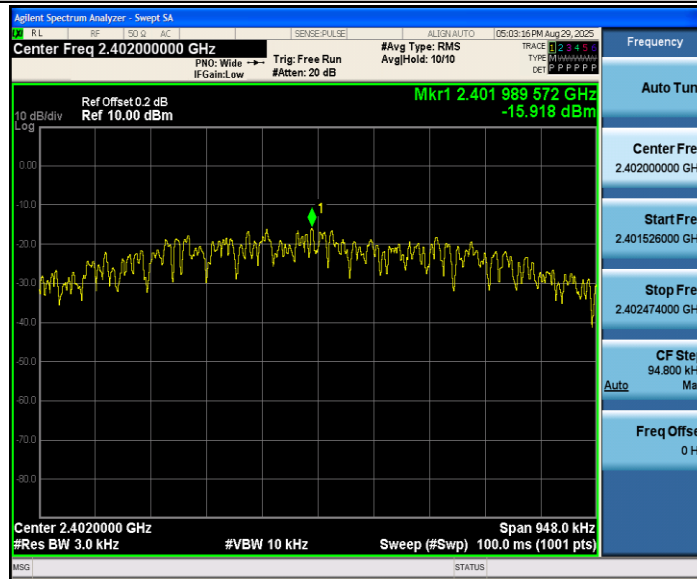
Appendix D: Maximum power spectral density

Test Result

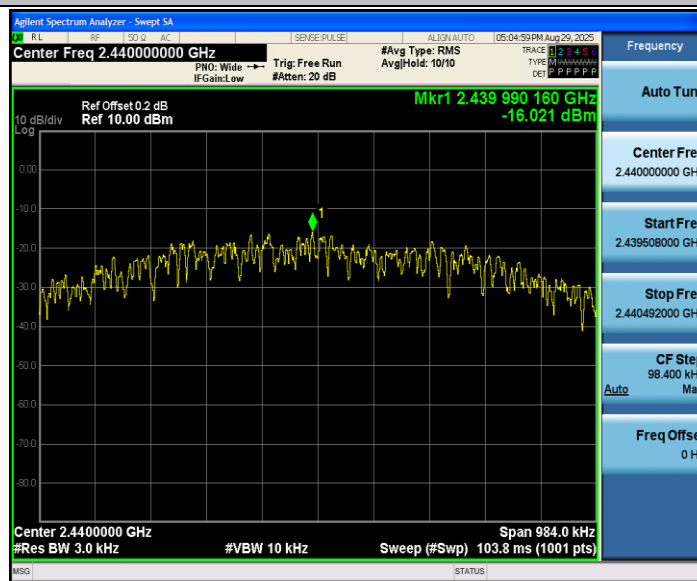
TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.92	≤8.00	PASS
		2440	-16.02	≤8.00	PASS
		2480	-16.48	≤8.00	PASS

Test Graphs

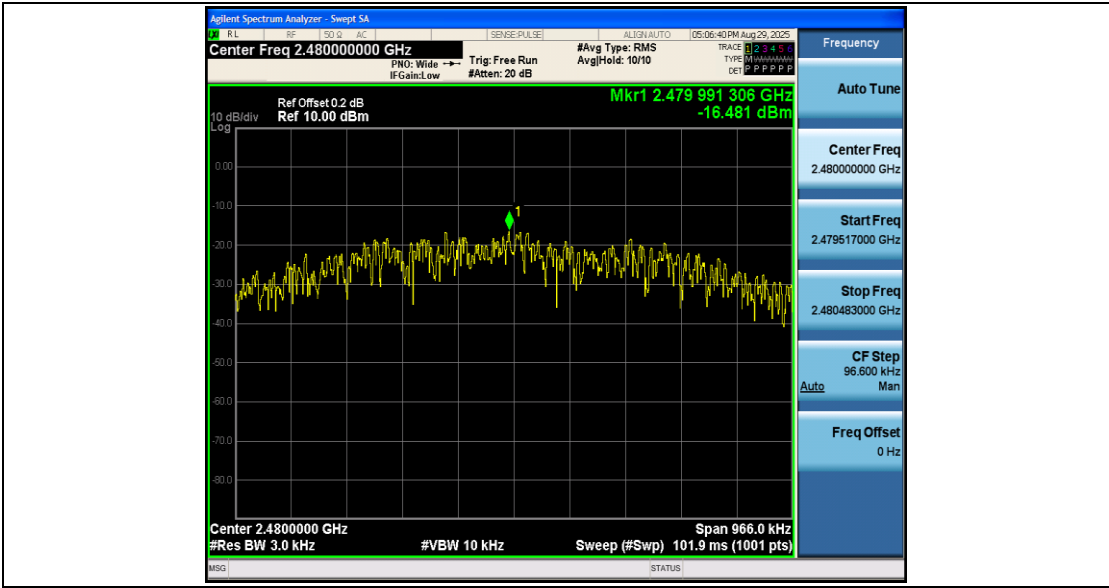
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

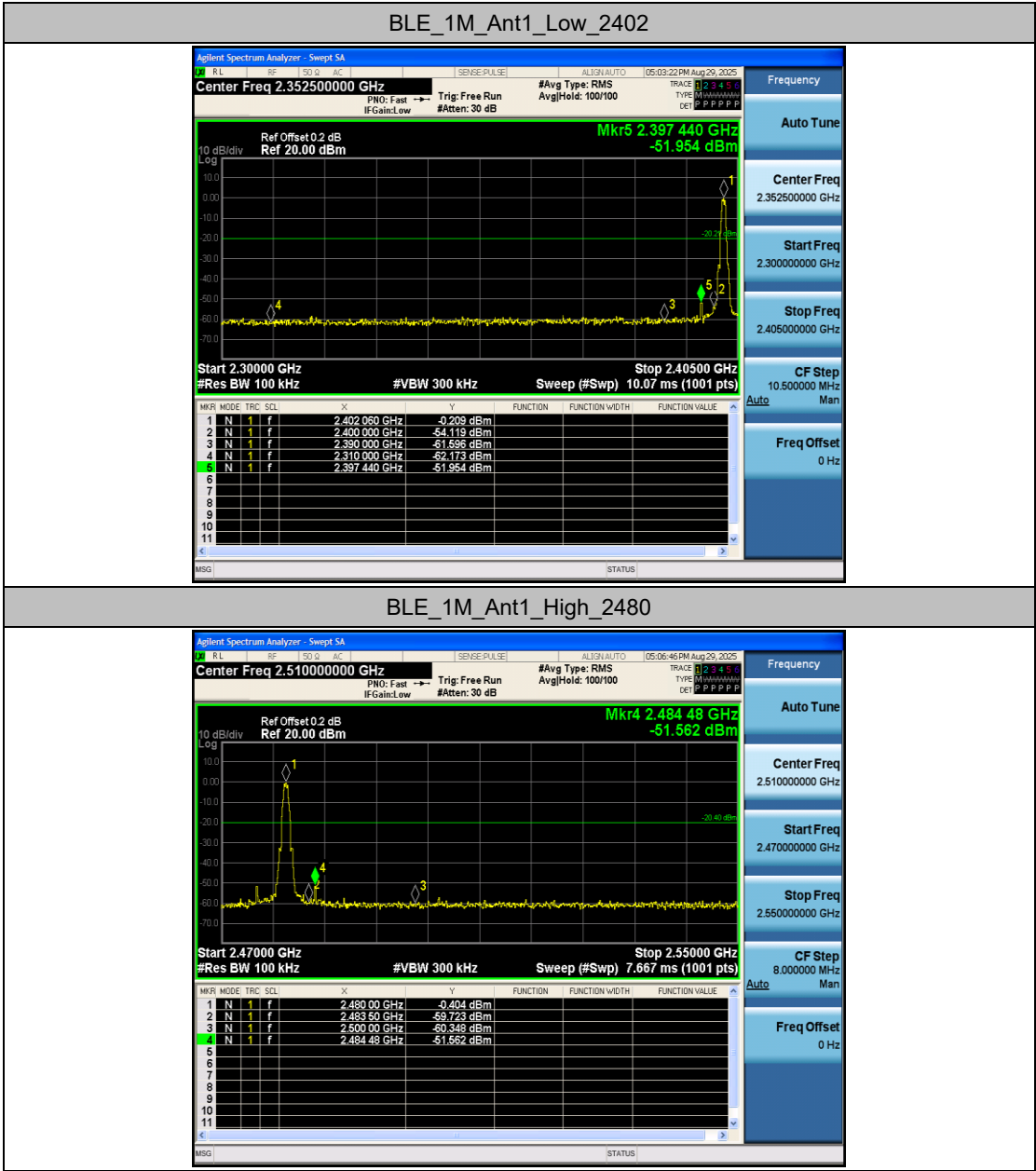


Appendix E: Band edge measurements

Test Result

TestMod e	Antenn a	ChNam e	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdic t
BLE_1M	Ant1	Low	2402	-0.21	-51.95	≤-20.21	PASS
		High	2480	-0.40	-51.56	≤-20.4	PASS

Test Graphs

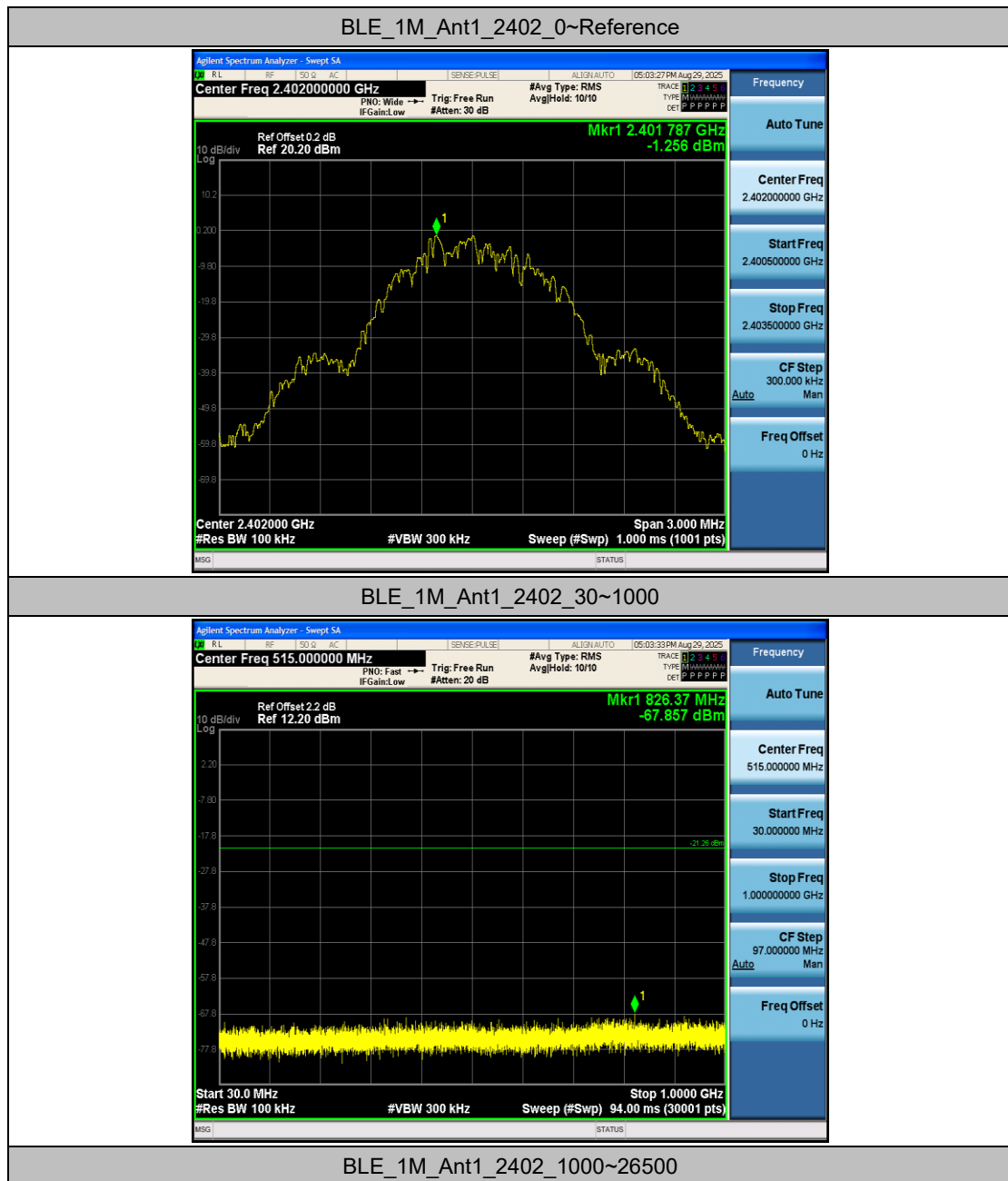


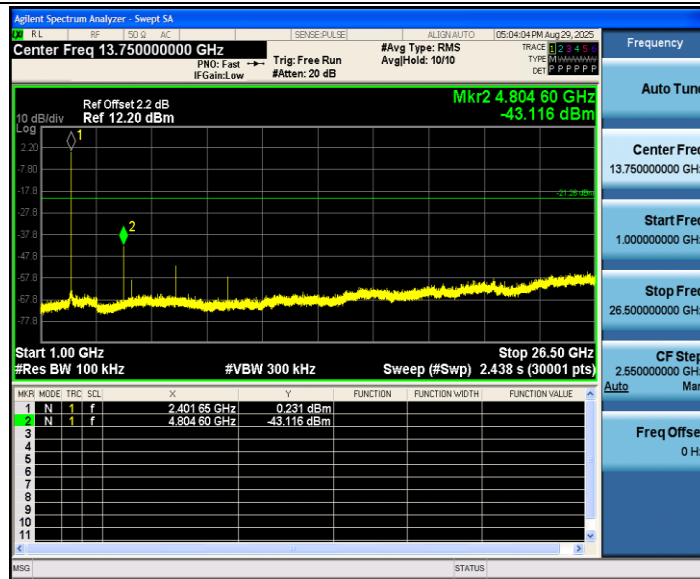
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-1.26	-1.26	---	PASS
			30~1000	-1.26	-67.86	≤-21.26	PASS
			1000~26500	-1.26	-43.12	≤-21.26	PASS
		2440	Reference	-2.13	-2.13	---	PASS
			30~1000	-2.13	-67.3	≤-22.13	PASS
			1000~26500	-2.13	-42.71	≤-22.13	PASS
		2480	Reference	-0.74	-0.74	---	PASS
			30~1000	-0.74	-68.03	≤-20.74	PASS
			1000~26500	-0.74	-42.96	≤-20.74	PASS

Test Graphs

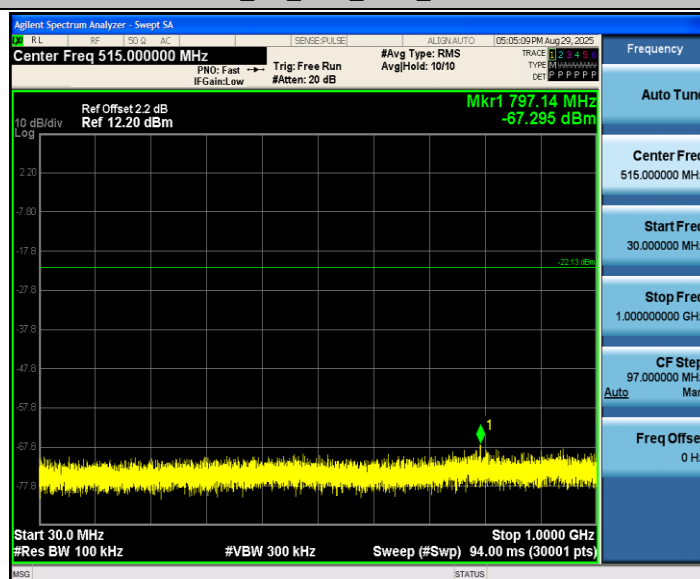




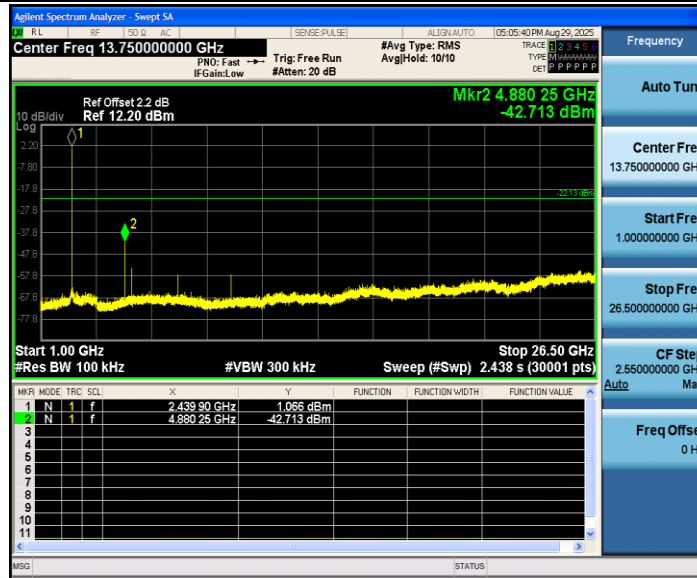
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



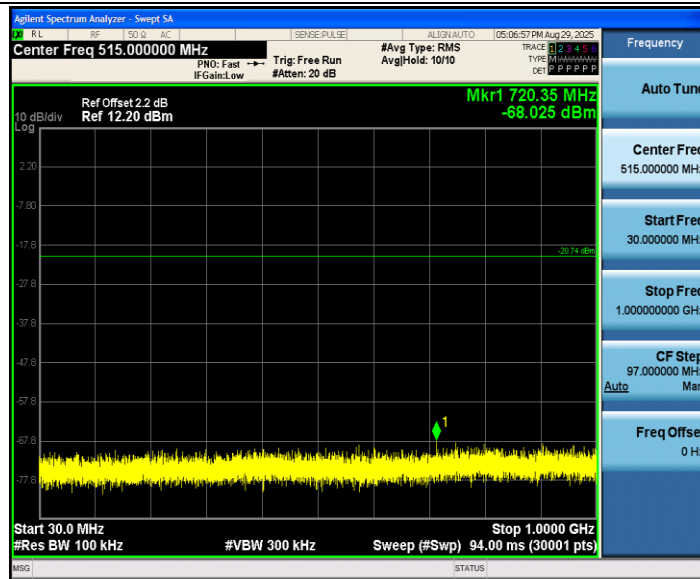
BLE_1M_Ant1_2440_1000~26500



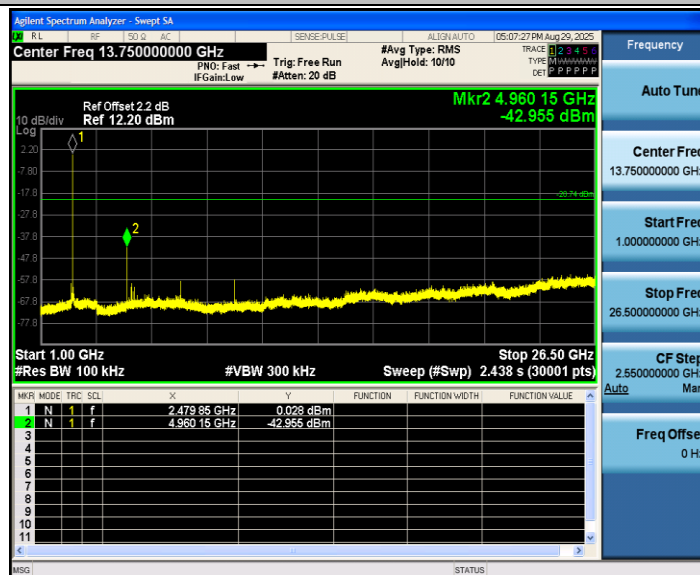
BLE_1M_Ant1_2480_0~Reference



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

