

FCC Appendix RF Test Data for BLE

FCC ID : 2BTTW-EDA80BT

Company : Shandong Baijinnuo Electronic Technology Co.,
Ltd

EUT : Electronic drum amplifier

Model Number : EDA80BT

Report No. : CTA25111900501

Reviewed By : Eric Wang

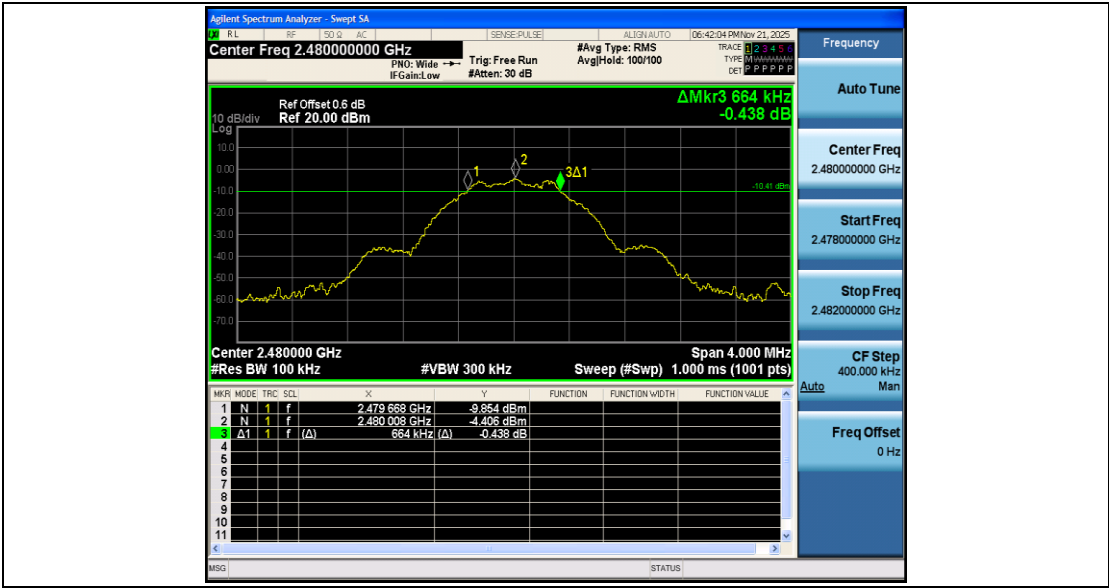
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.660	2401.668	2402.328	0.5	PASS
		2440	0.664	2439.668	2440.332	0.5	PASS
		2480	0.664	2479.668	2480.332	0.5	PASS

Test Graphs



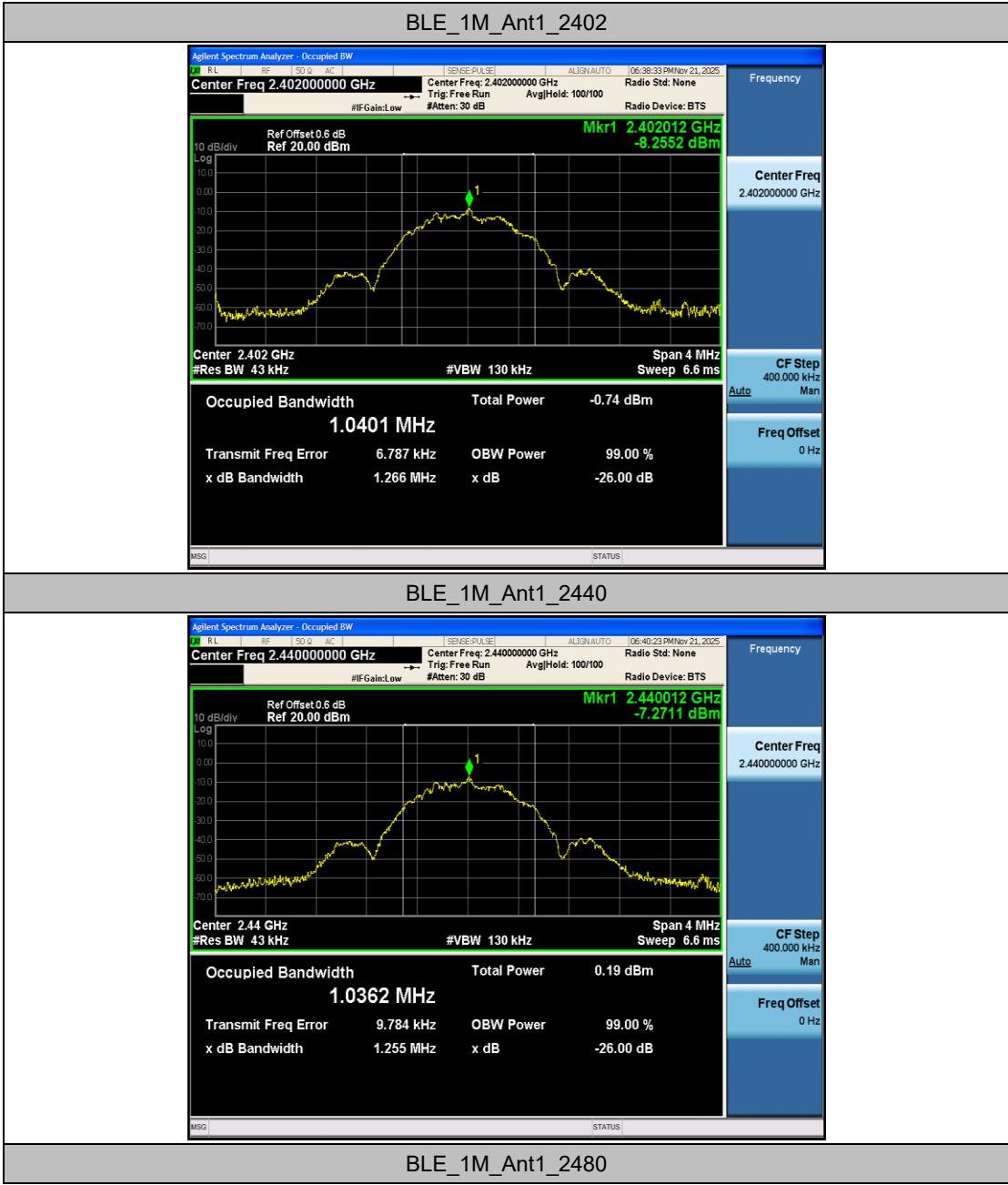


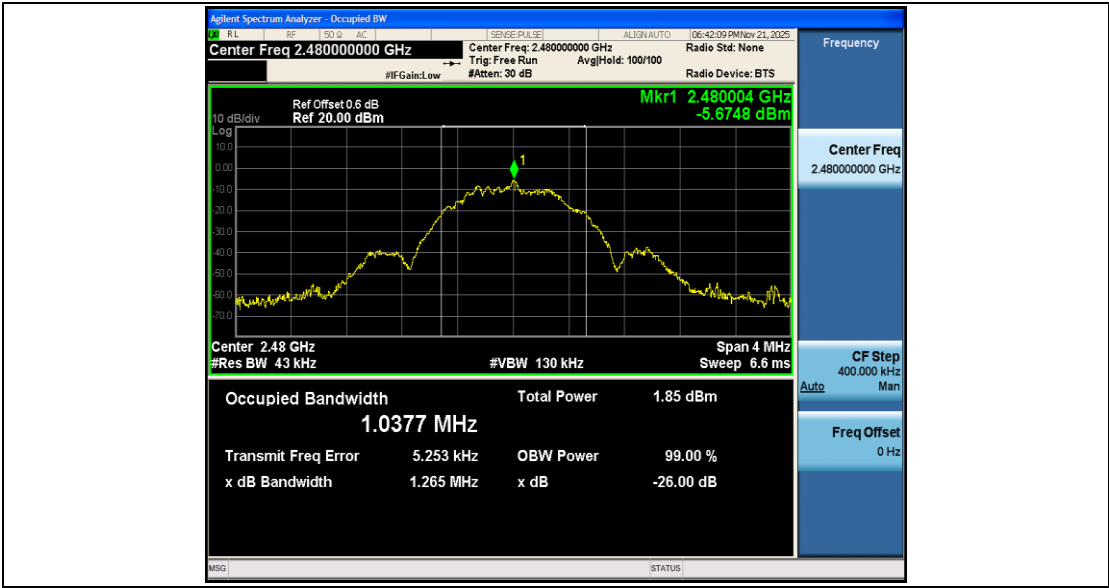
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0401	2401.4867	2402.5268	---	---
		2440	1.0362	2439.4917	2440.5279	---	---
		2480	1.0377	2479.4864	2480.5241	---	---

Test Graphs





Appendix C: Maximum conducted output power

Test Result Peak

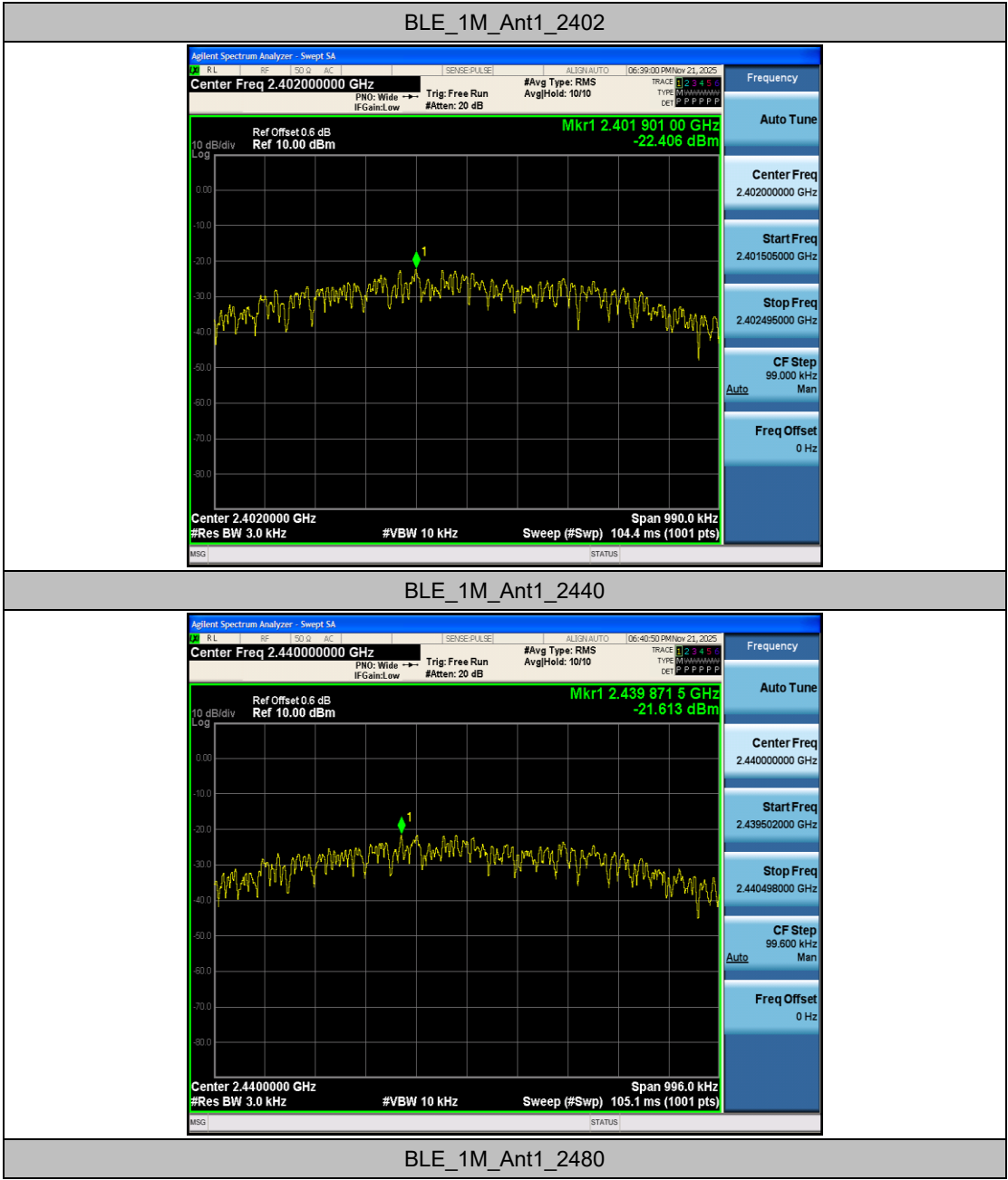
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-6.90	≤30	PASS
		2440	-5.95	≤30	PASS
		2480	-4.26	≤30	PASS

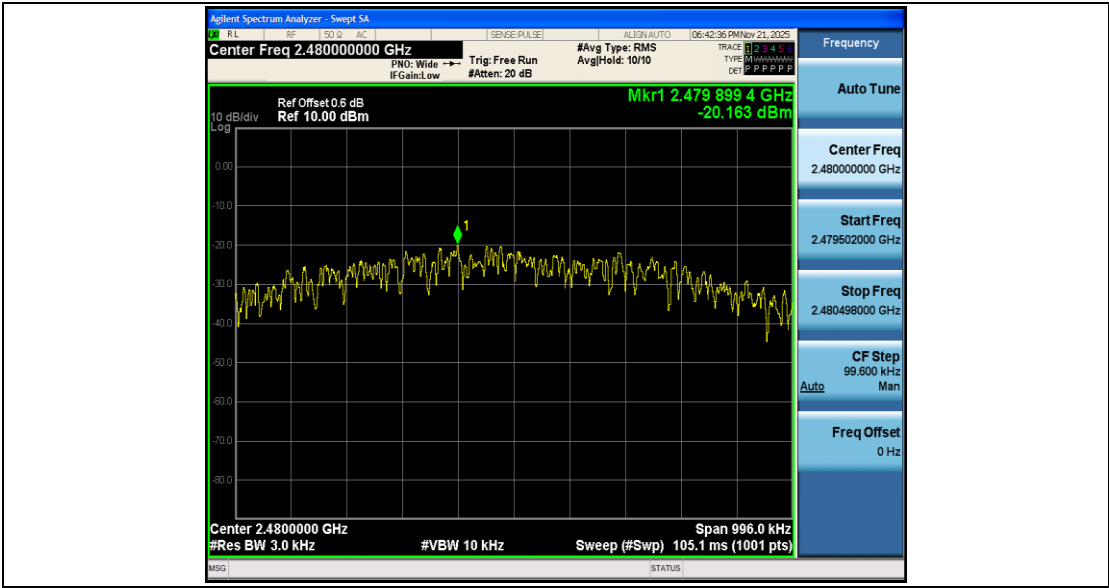
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-22.41	≤8.00	PASS
		2440	-21.61	≤8.00	PASS
		2480	-20.16	≤8.00	PASS

Test Graphs



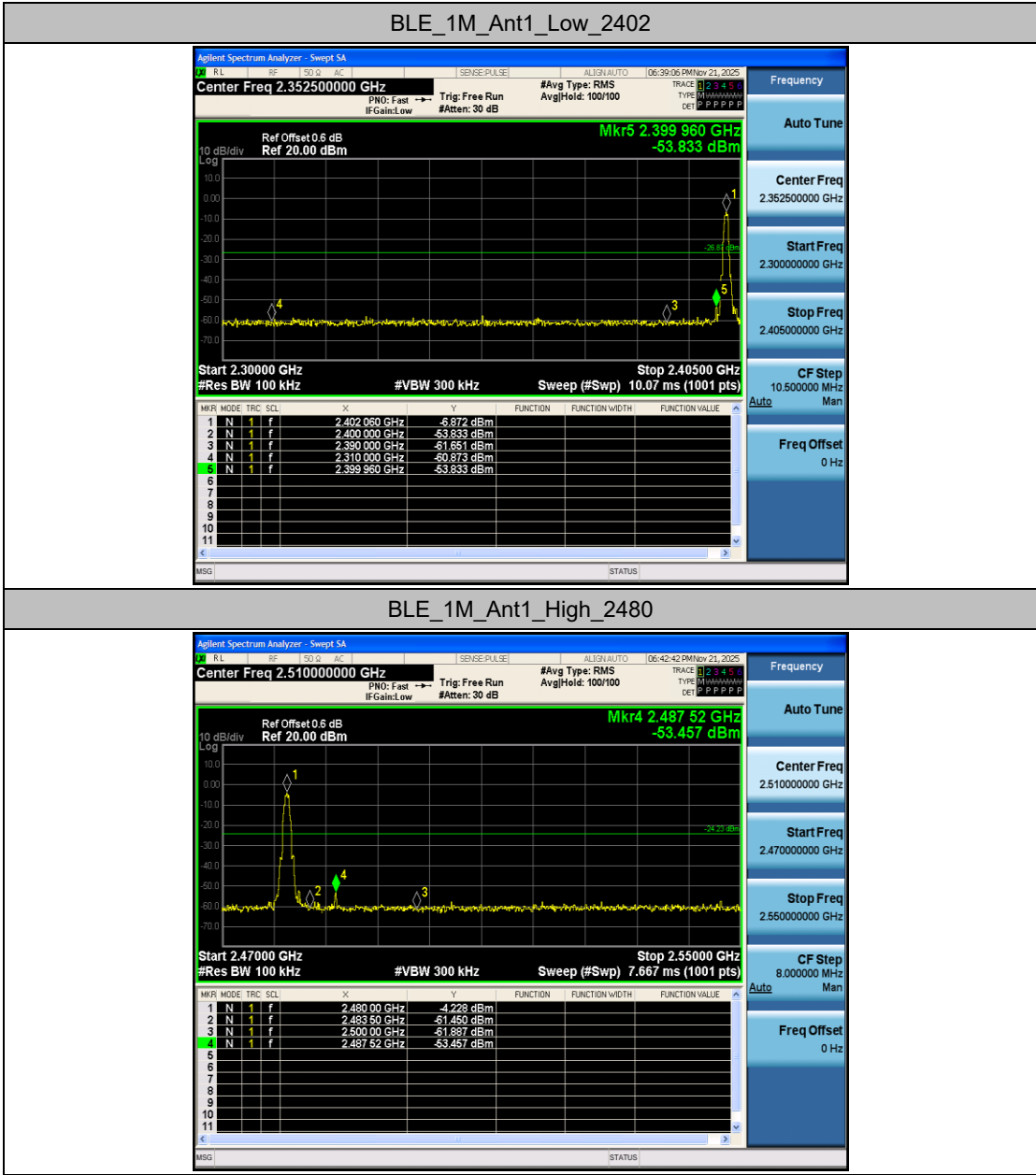


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-6.87	-53.83	≤-26.87	PASS
		High	2480	-4.23	-53.46	≤-24.23	PASS

Test Graphs

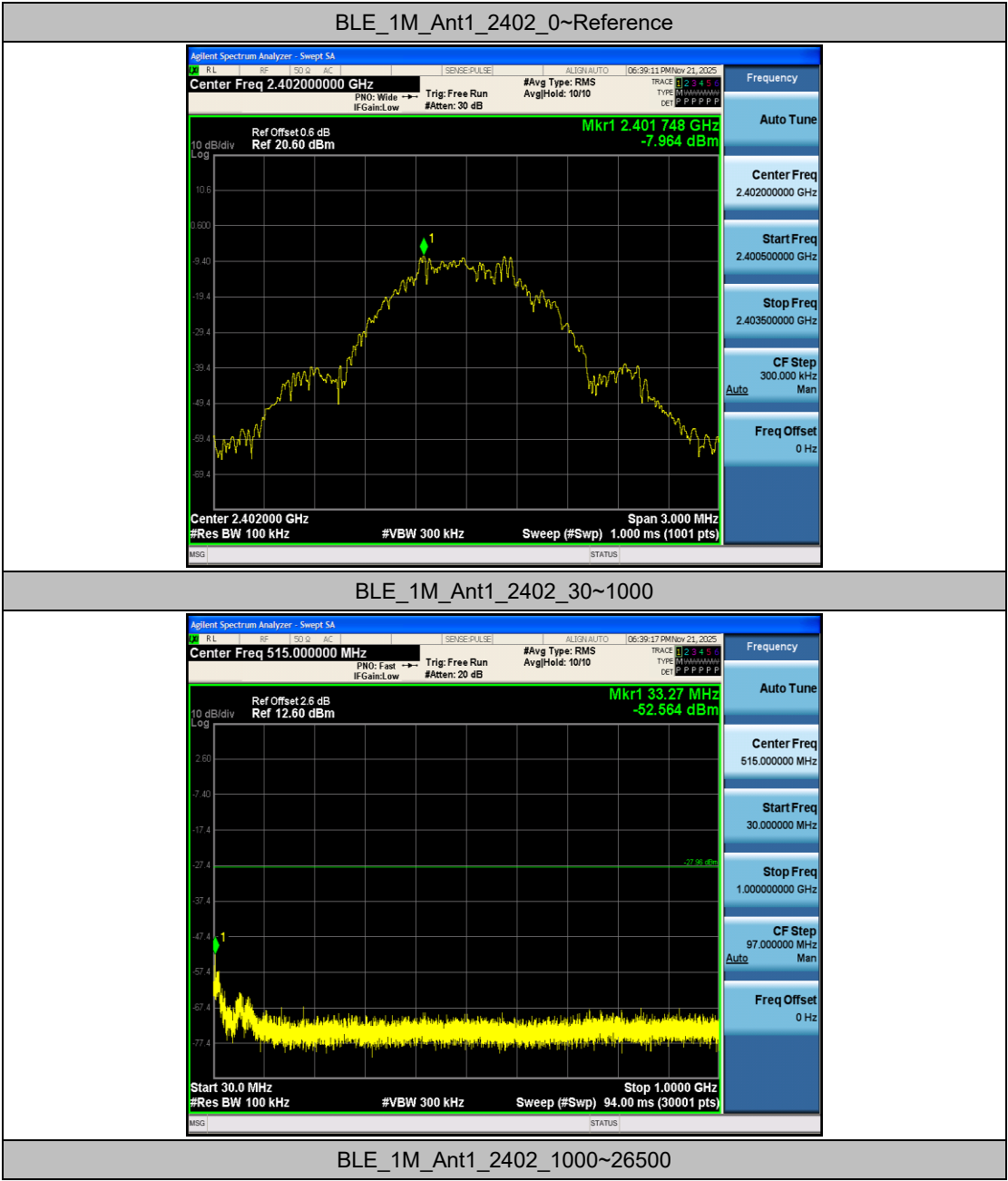


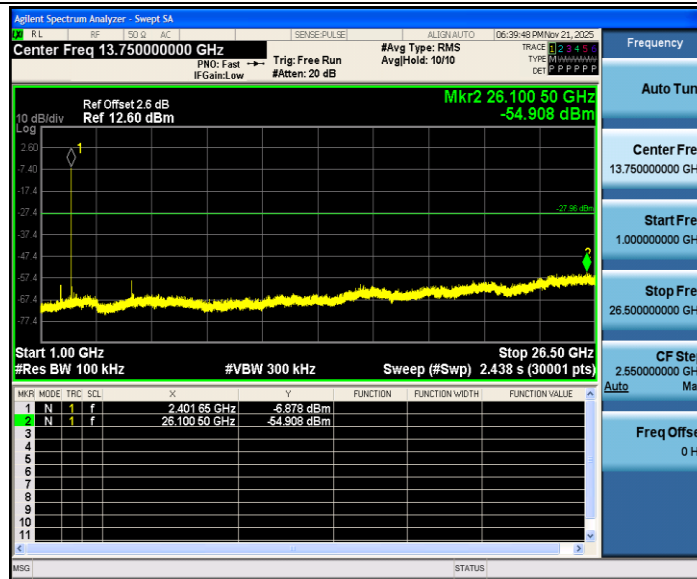
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-7.96	-7.96	---	PASS
			30~1000	-7.96	-52.56	≤-27.96	PASS
			1000~26500	-7.96	-54.91	≤-27.96	PASS
		2440	Reference	-6.17	-6.17	---	PASS
			30~1000	-6.17	-54.05	≤-26.17	PASS
			1000~26500	-6.17	-54.71	≤-26.17	PASS
		2480	Reference	-5.16	-5.16	---	PASS
			30~1000	-5.16	-52.68	≤-25.16	PASS
			1000~26500	-5.16	-55.12	≤-25.16	PASS

Test Graphs

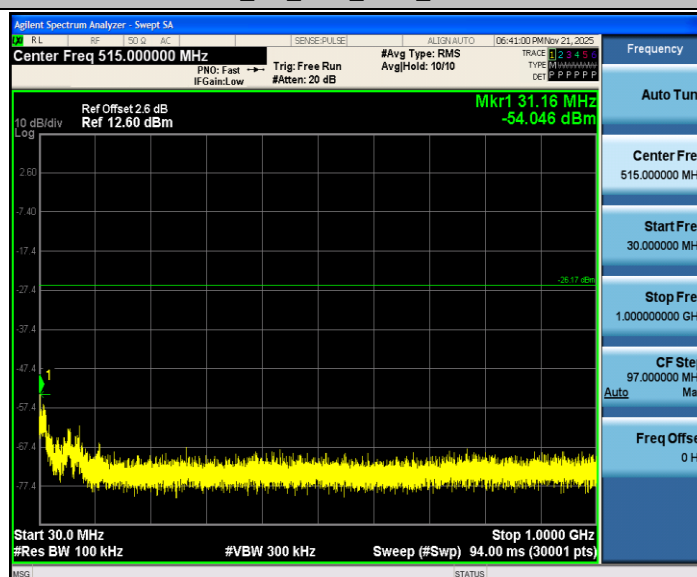




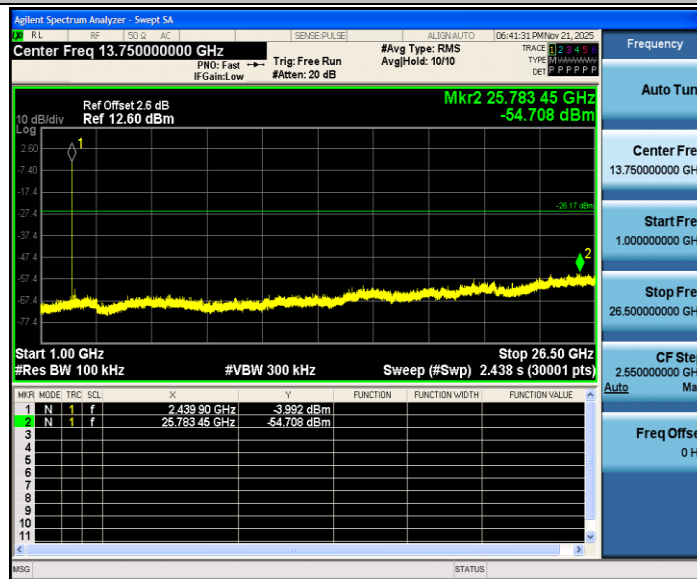
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



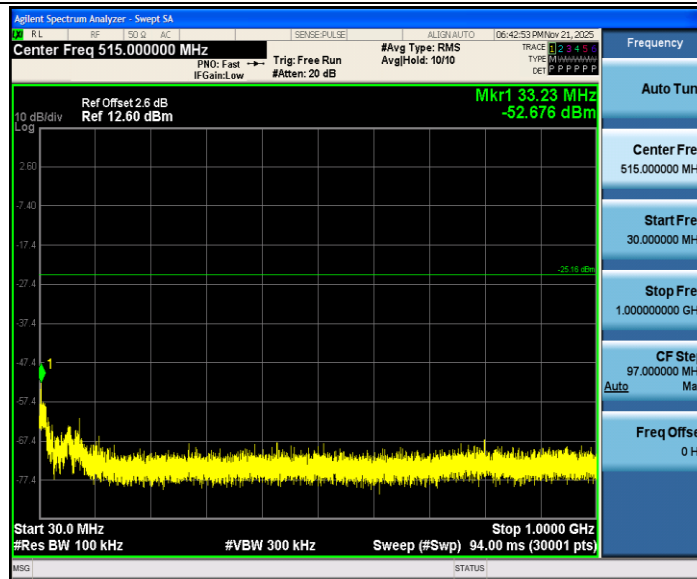
BLE_1M_Ant1_2440_1000~26500



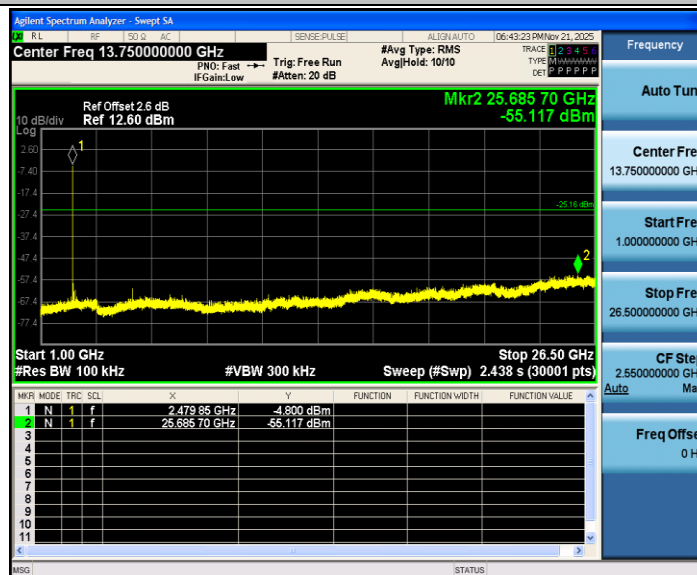
BLE_1M_Ant1_2480_0~Reference



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	0.39	0.62	0.6290	62.90	2.01	---	---
		2440	0.39	0.62	0.6290	62.90	2.01	---	---
		2480	0.39	0.62	0.6290	62.90	2.01	---	---

Test Graphs

