

FCC Appendix RF Test Data for BLE

FCC ID : 2BR77-TK01

Company : Shenzhen Baichengda Technology Co., Ltd.

EUT : Phone Remote Controller

Model Number : TK01

Report No. : CTA25090500101

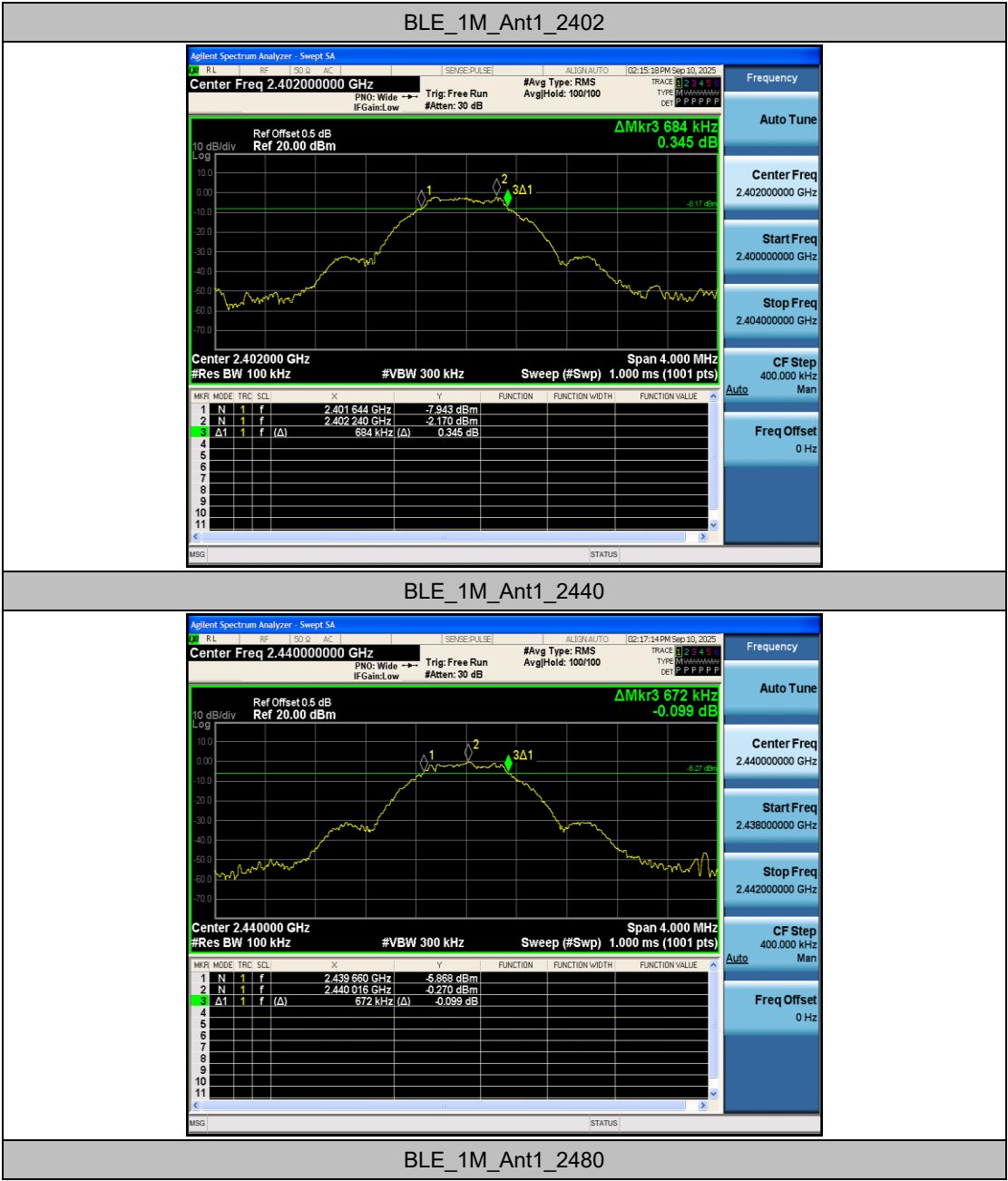
Reviewed By : Eric Wang

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.684	2401.644	2402.328	0.5	PASS
		2440	0.672	2439.660	2440.332	0.5	PASS
		2480	0.672	2479.672	2480.344	0.5	PASS

Test Graphs



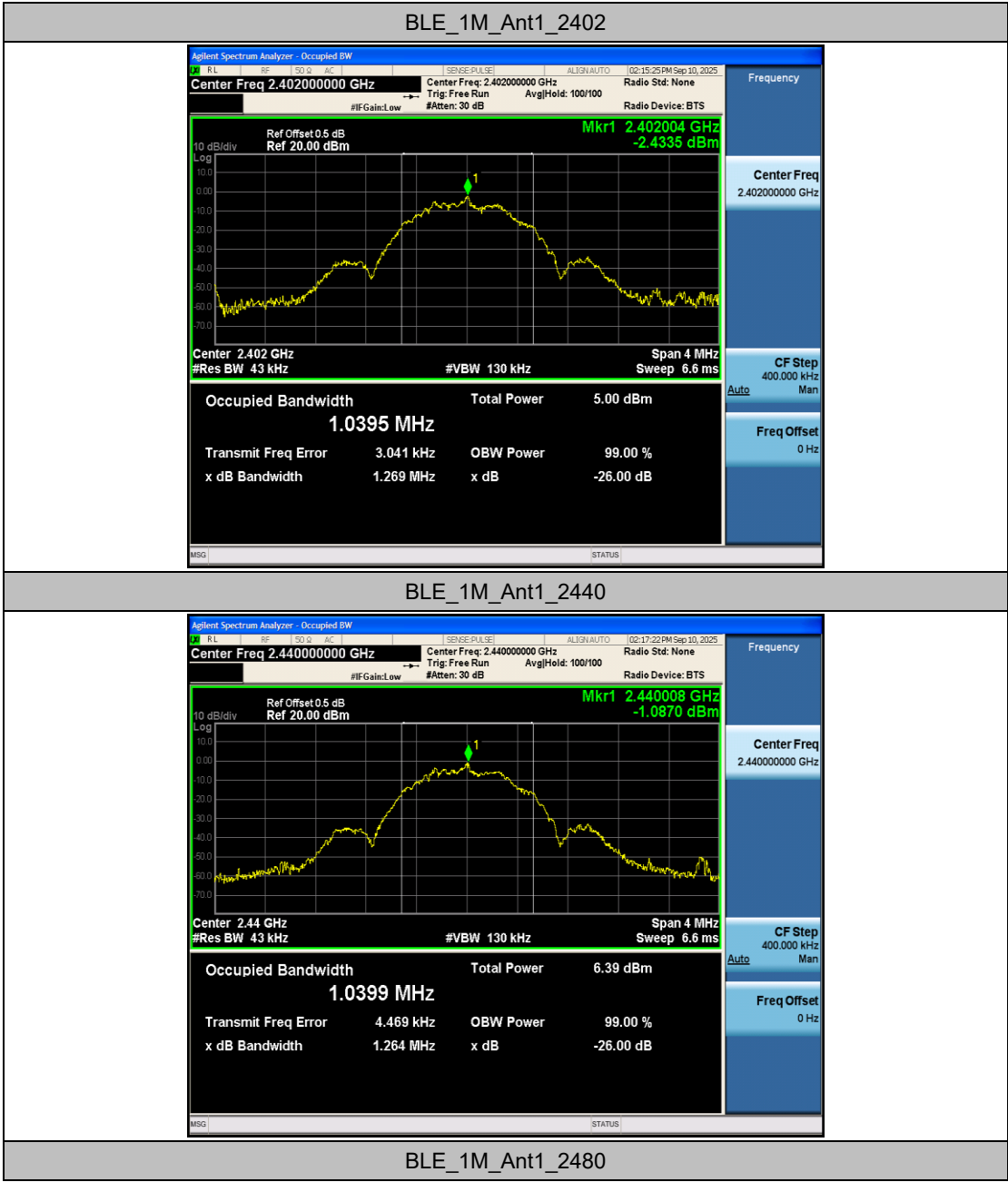


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0395	2401.4833	2402.5228	---	---
		2440	1.0399	2439.4845	2440.5244	---	---
		2480	1.0363	2479.4836	2480.5199	---	---

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	-1.08	≤30	PASS
		2440	0.27	≤30	PASS
		2480	0.49	≤30	PASS

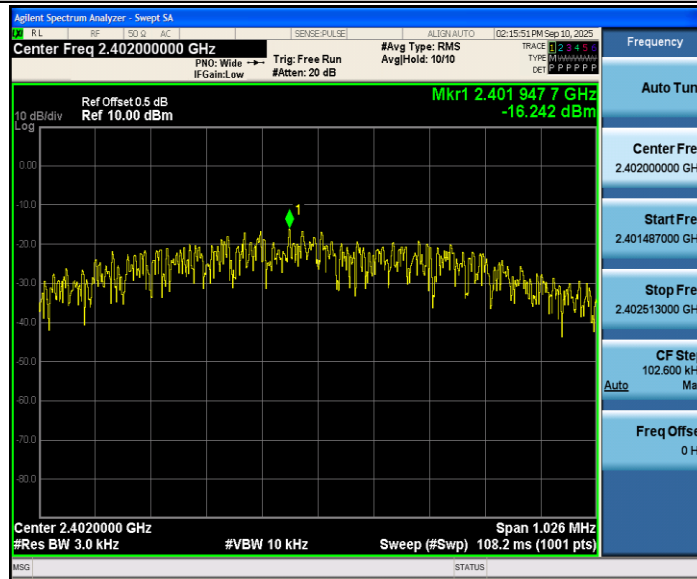
Appendix D: Maximum power spectral density

Test Result

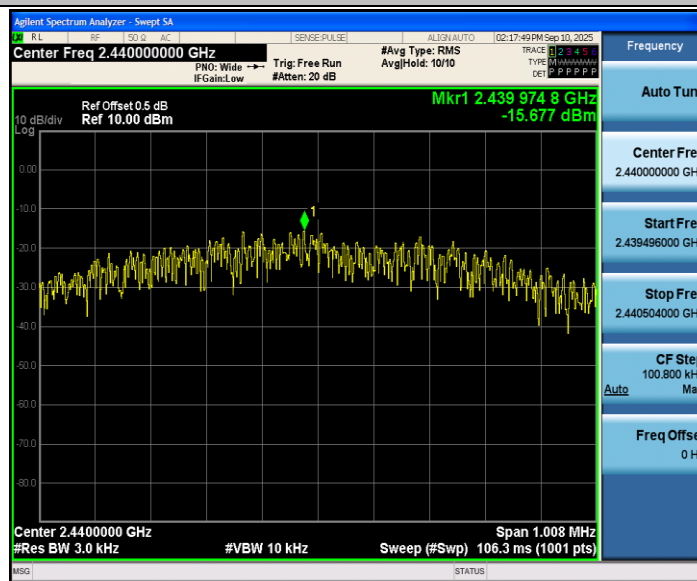
TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.24	≤8.00	PASS
		2440	-15.68	≤8.00	PASS
		2480	-15.23	≤8.00	PASS

Test Graphs

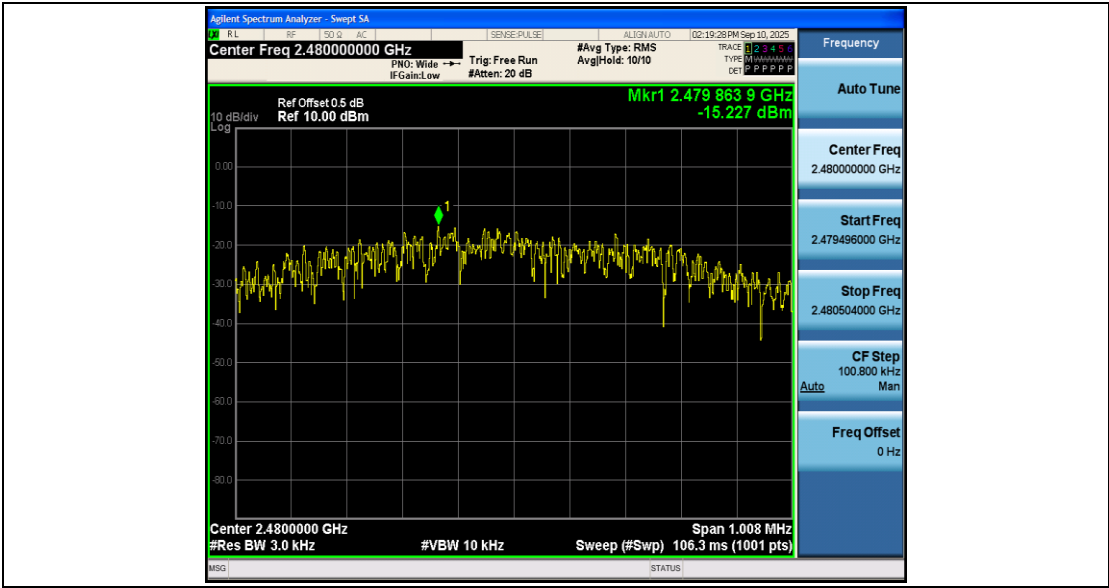
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

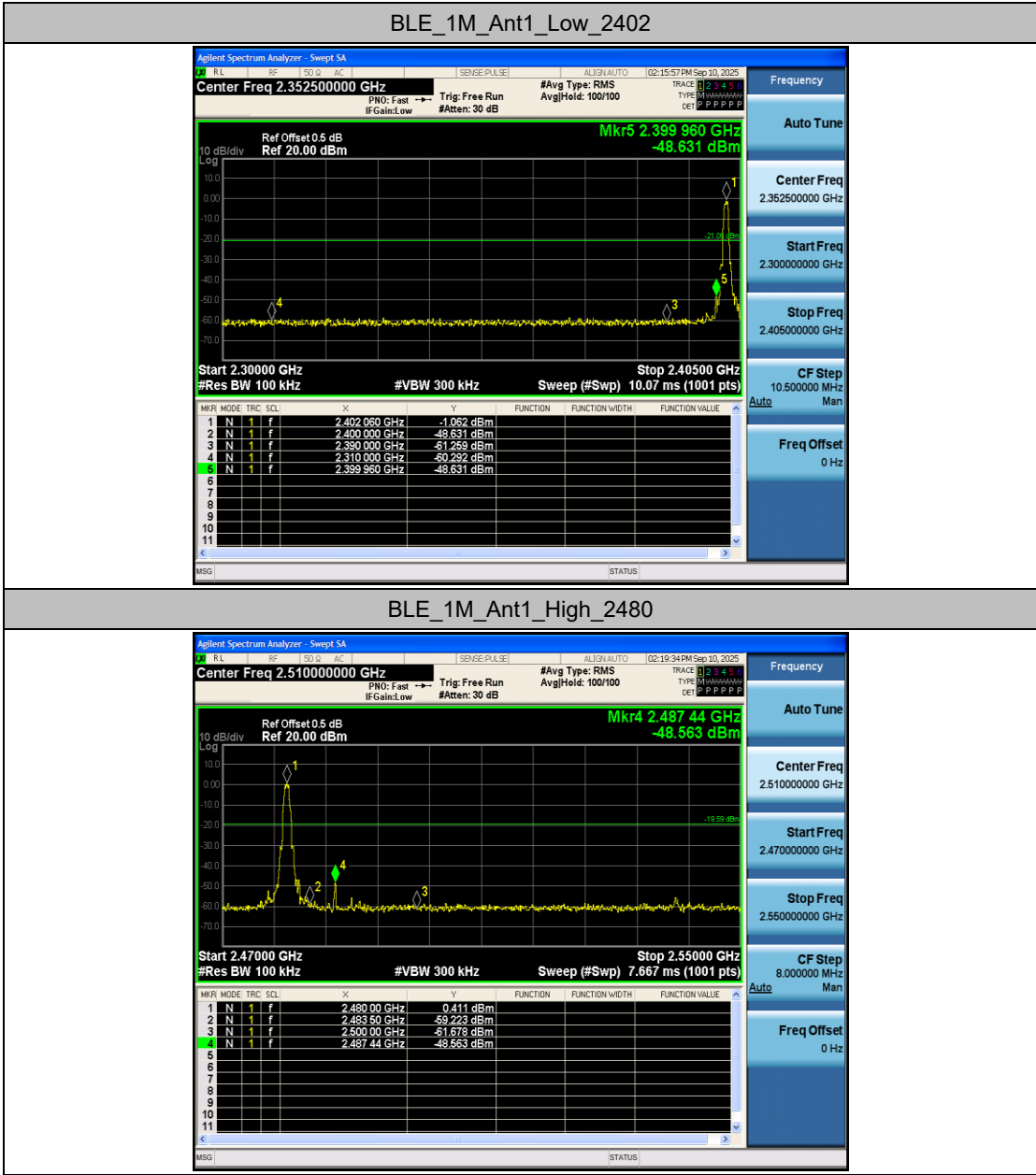


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.06	-48.63	≤ -21.06	PASS
		High	2480	0.41	-48.56	≤ -19.59	PASS

Test Graphs

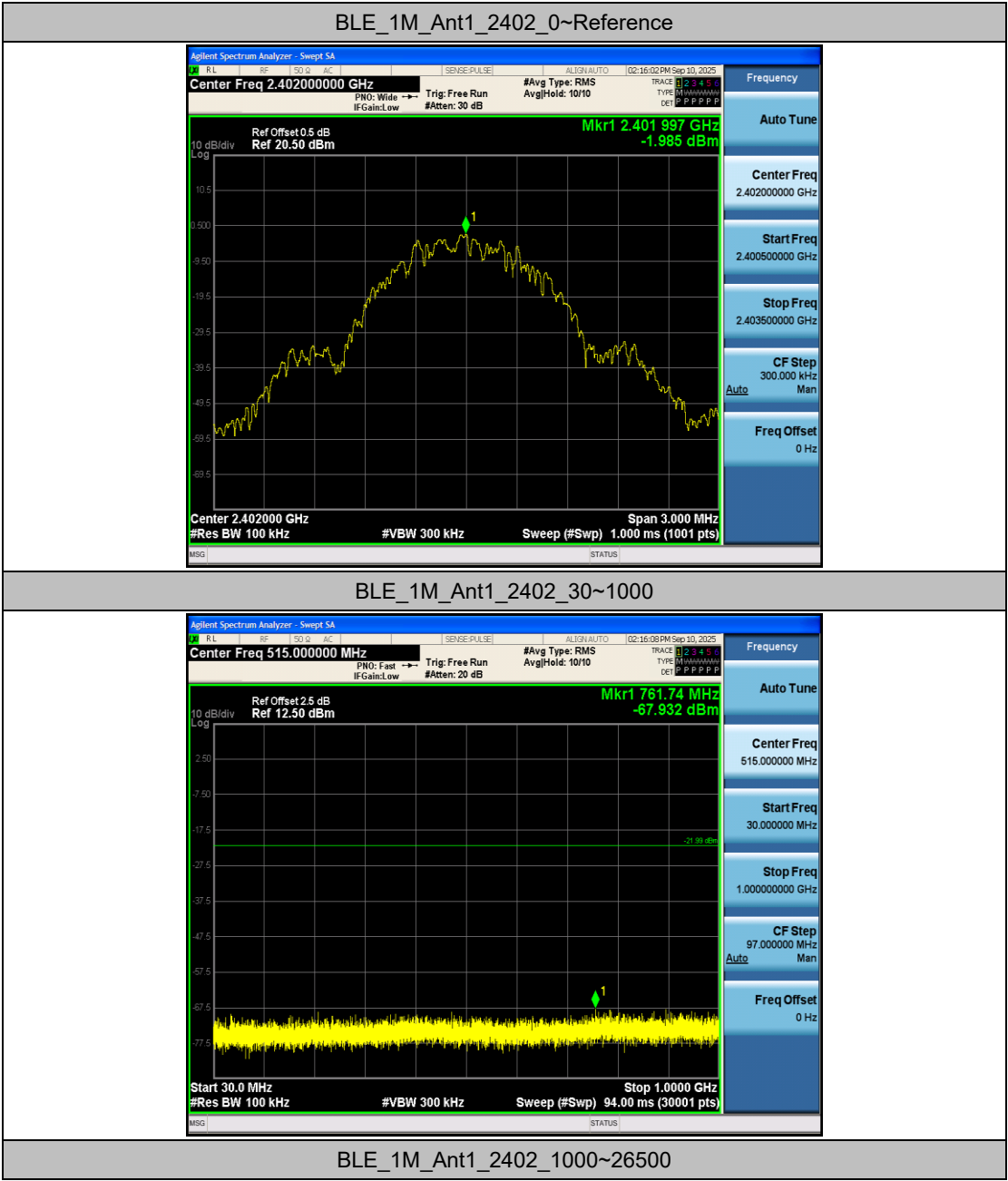


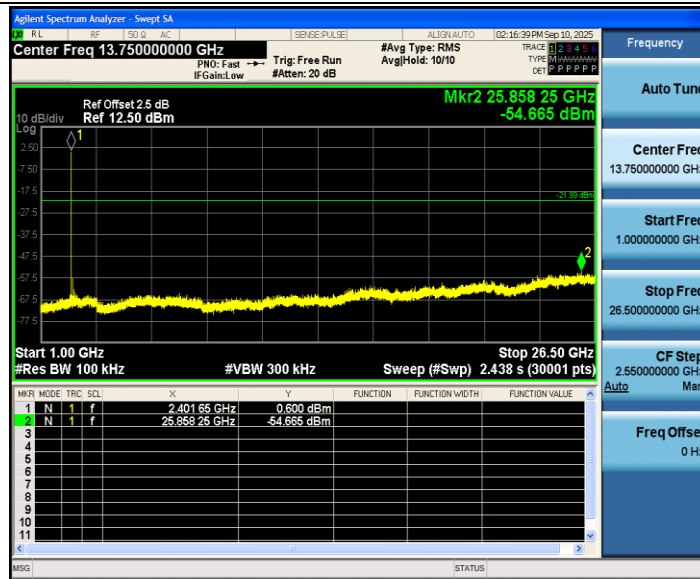
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-1.99	-1.99	---	PASS
			30~1000	-1.99	-67.93	≤-21.99	PASS
			1000~26500	-1.99	-54.67	≤-21.99	PASS
		2440	Reference	-0.74	-0.74	---	PASS
			30~1000	-0.74	-67.56	≤-20.74	PASS
			1000~26500	-0.74	-53.84	≤-20.74	PASS
		2480	Reference	-0.50	-0.50	---	PASS
			30~1000	-0.50	-68.02	≤-20.5	PASS
			1000~26500	-0.50	-54.91	≤-20.5	PASS

Test Graphs

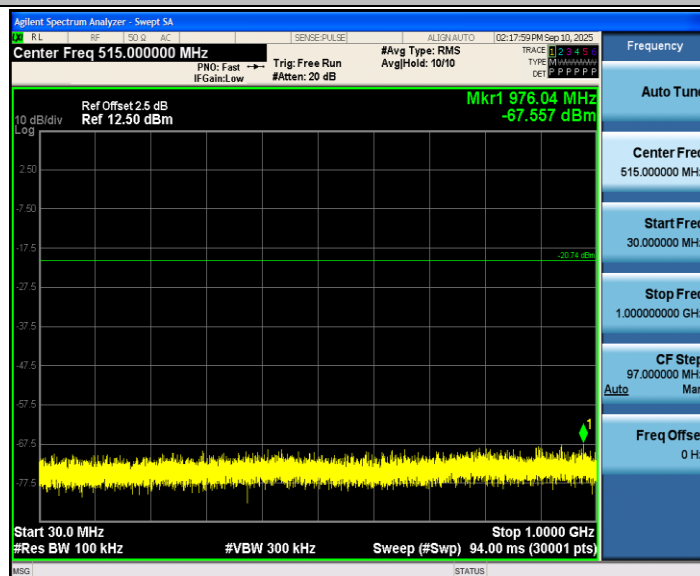




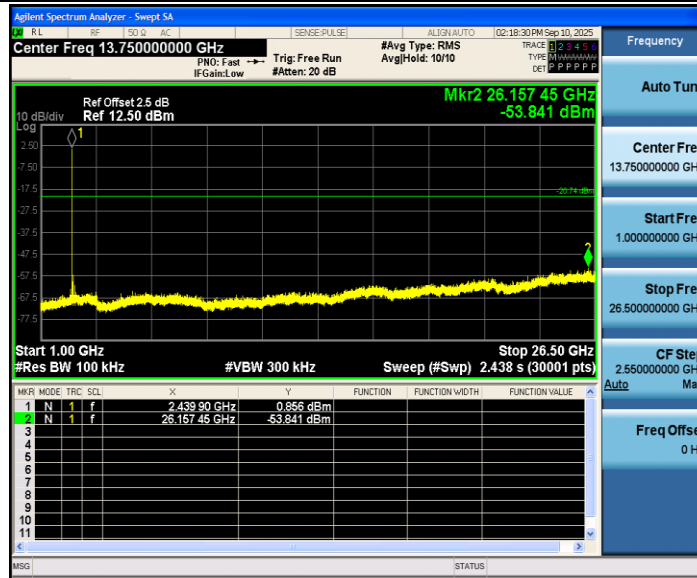
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



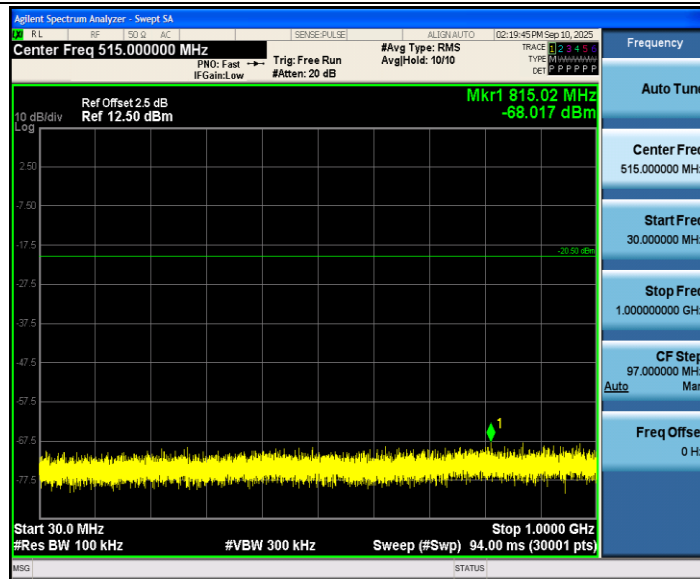
BLE_1M_Ant1_2440_1000~26500



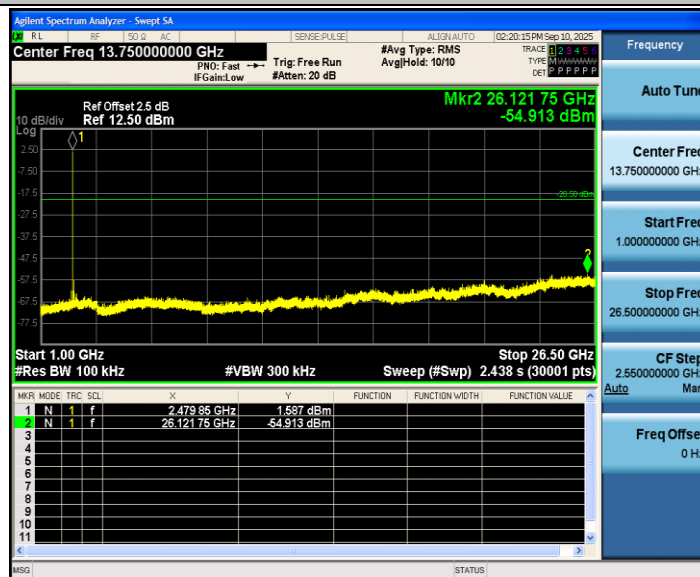
BLE_1M_Ant1_2480_0~Reference



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

