

FCC Appendix RF Test Data for BLE

FCC ID : 2BNR7-T50

Company : Shenzhen Baijin Technology Co., Ltd

EUT : Tablet PC

Model Number : T50

Report No. : CTA25092900401

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	0.652	2401.664	2402.316	0.5	PASS
		2440	0.668	2439.652	2440.320	0.5	PASS
		2480	0.720	2479.624	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	1.0370	2401.4798	2402.5168	---	---
		2440	1.0356	2439.4820	2440.5176	---	---
		2480	1.0350	2479.4803	2480.5153	---	---

Test Graphs

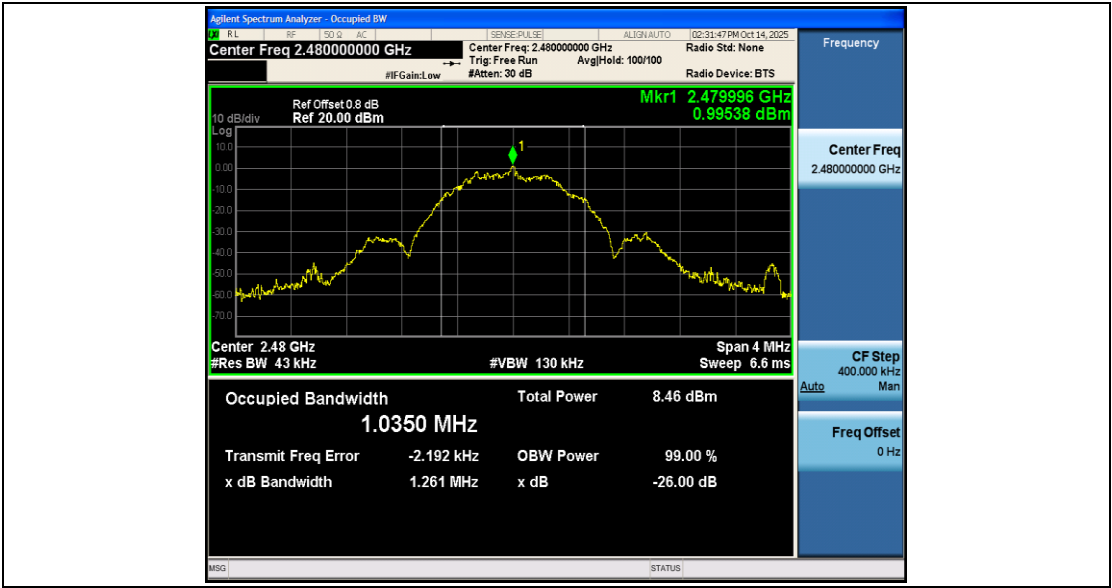
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



Appendix C: Maximum conducted output power

Test Result Peak

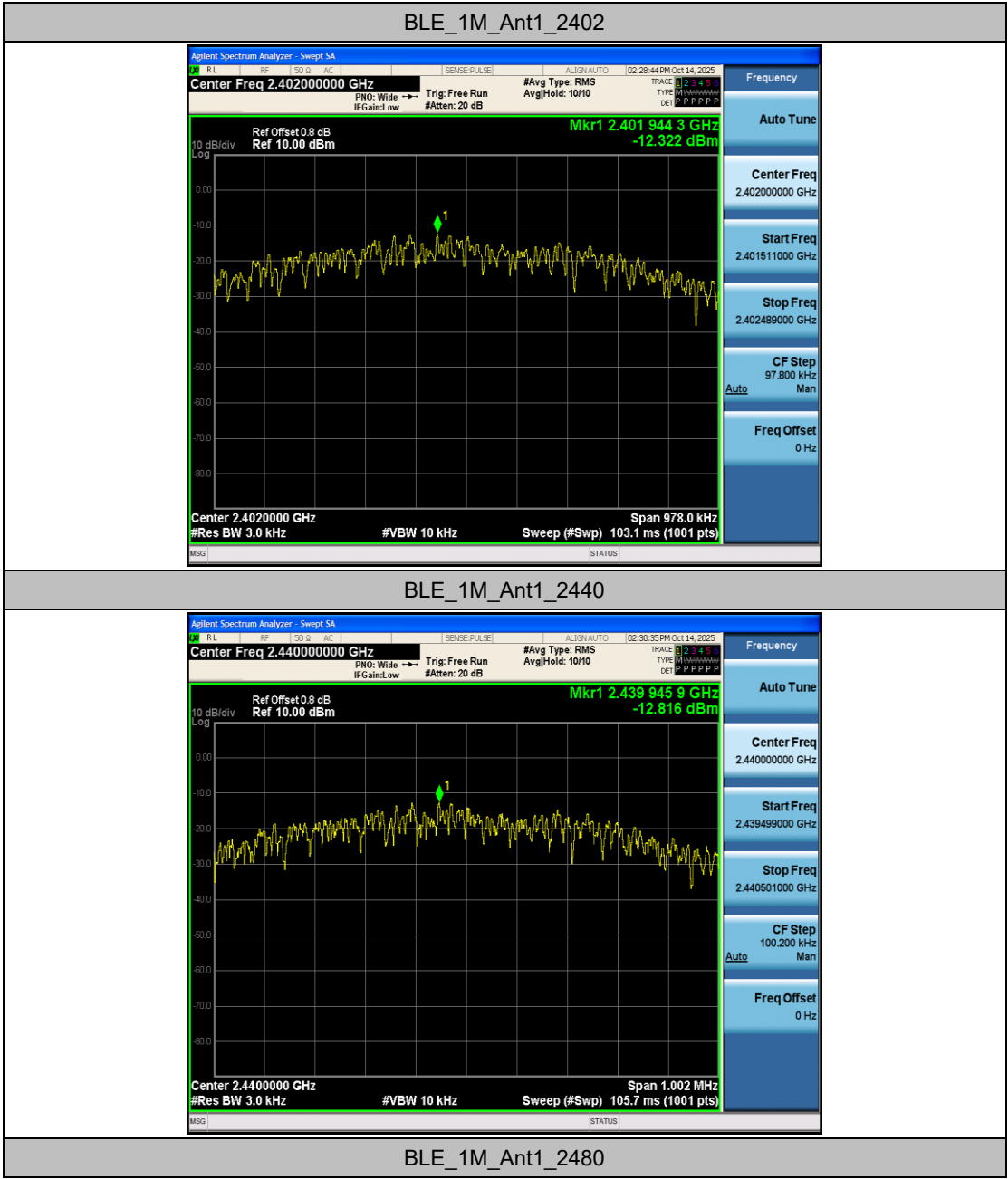
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.84	≤30	PASS
		2440	2.62	≤30	PASS
		2480	2.26	≤30	PASS

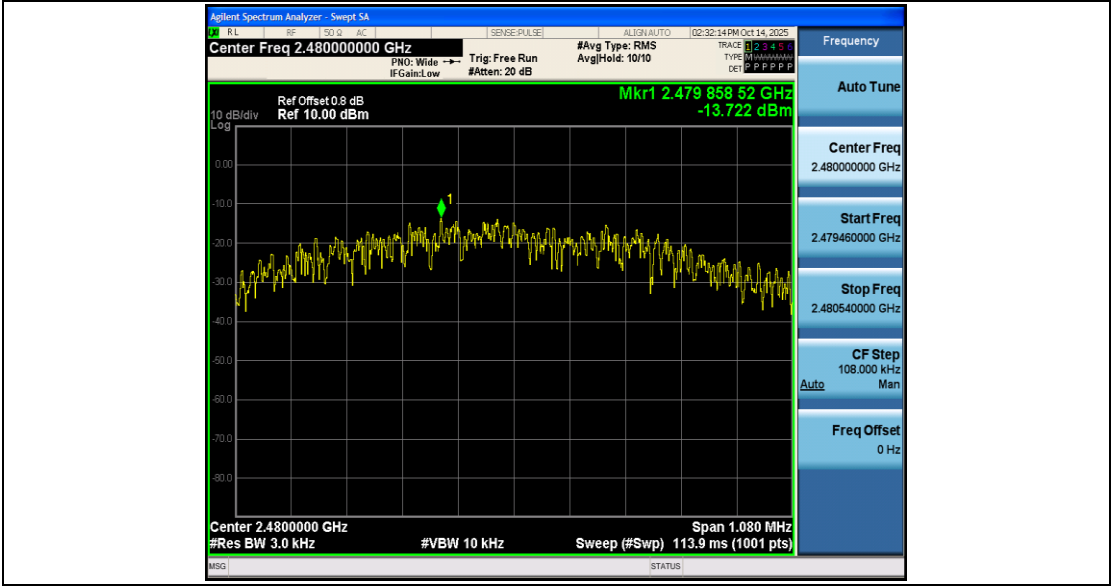
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.32	≤8.00	PASS
		2440	-12.82	≤8.00	PASS
		2480	-13.72	≤8.00	PASS

Test Graphs



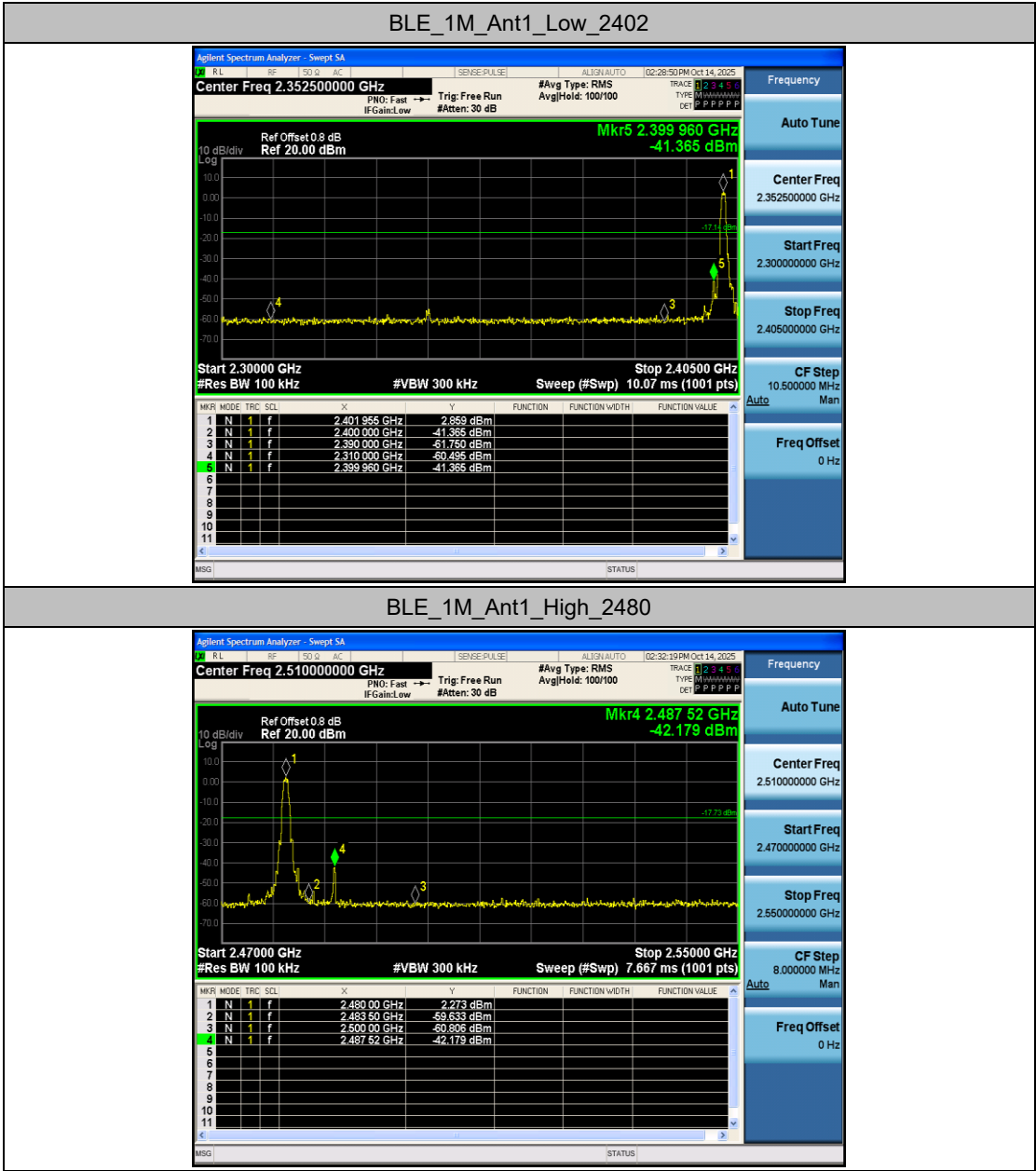


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.86	-41.37	≤-17.14	PASS
		High	2480	2.27	-42.18	≤-17.73	PASS

Test Graphs

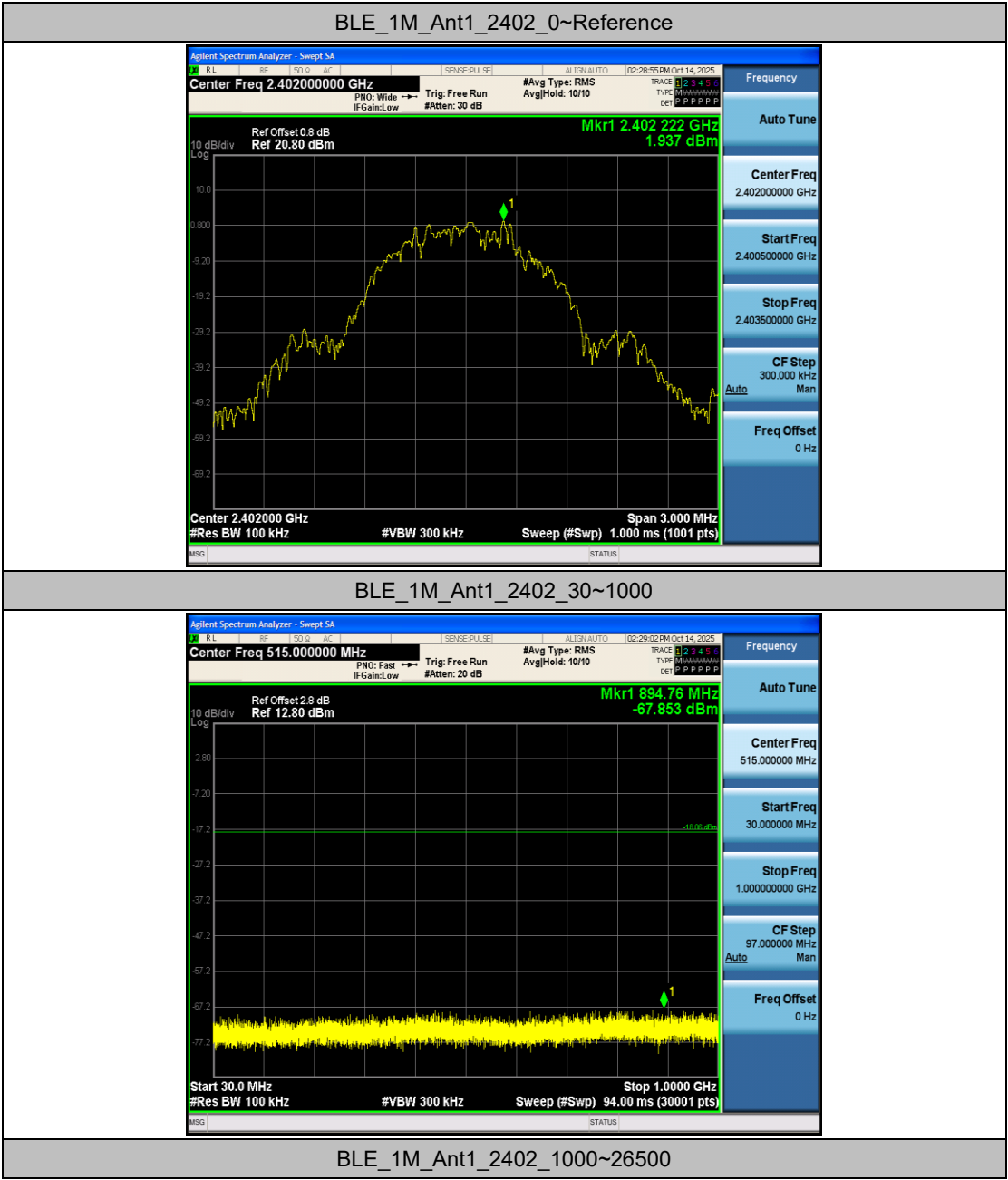


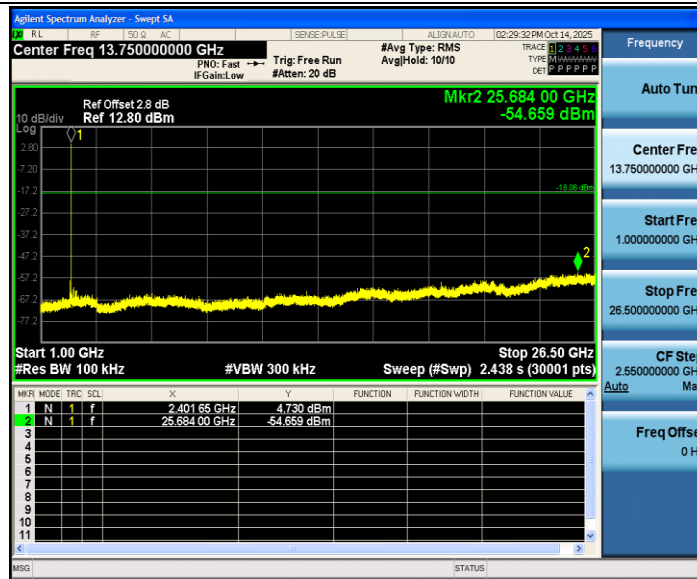
Appendix F: Conducted Spurious Emission

Test Result

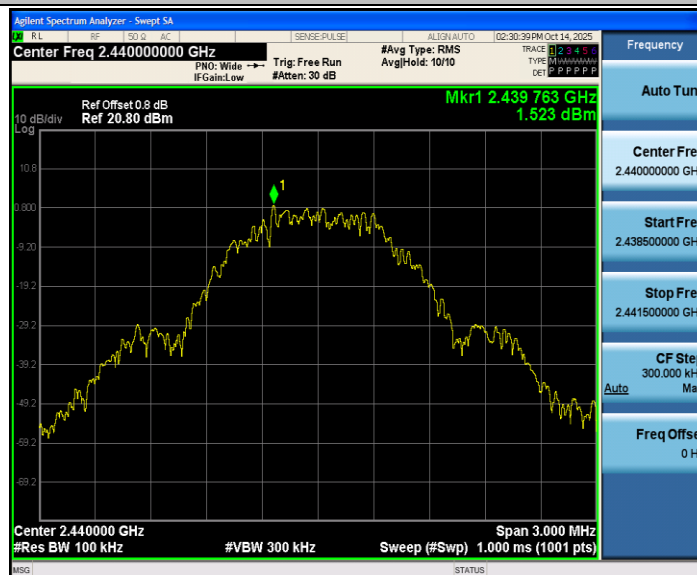
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	1.94	1.94	---	PASS
			30~1000	1.94	-67.85	≤-18.06	PASS
			1000~26500	1.94	-54.66	≤-18.06	PASS
		2440	Reference	1.52	1.52	---	PASS
			30~1000	1.52	-66.34	≤-18.48	PASS
			1000~26500	1.52	-54.55	≤-18.48	PASS
		2480	Reference	1.14	1.14	---	PASS
			30~1000	1.14	-67.75	≤-18.86	PASS
			1000~26500	1.14	-54.64	≤-18.86	PASS

Test Graphs

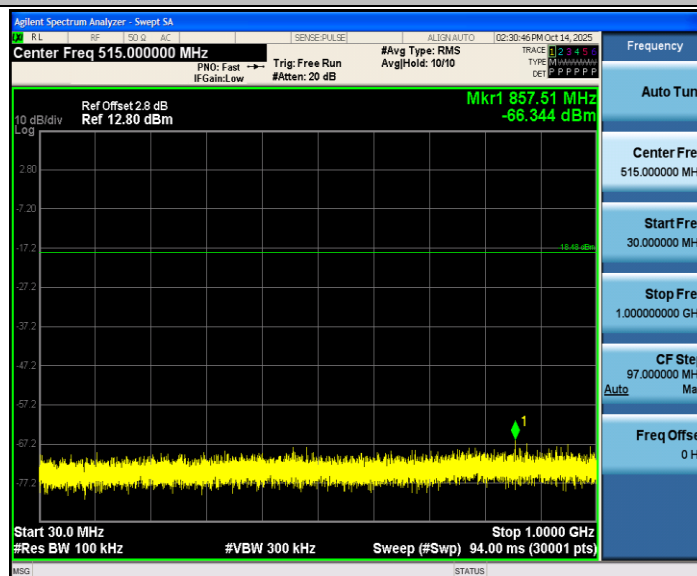




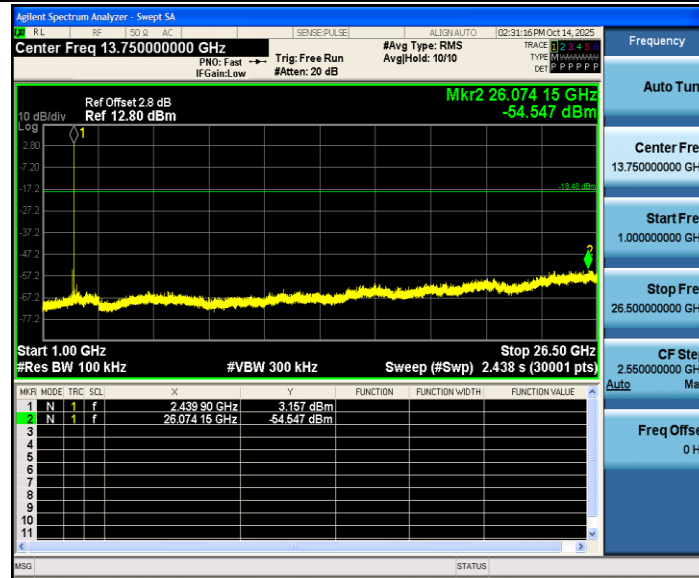
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



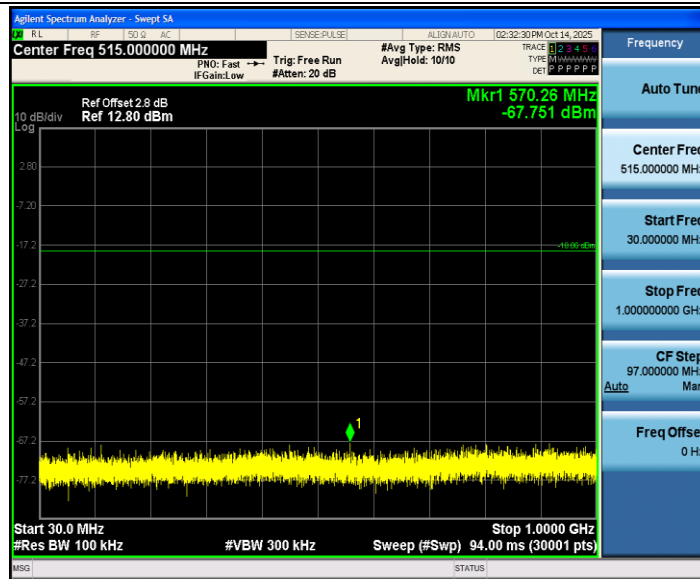
BLE_1M_Ant1_2440_1000~26500



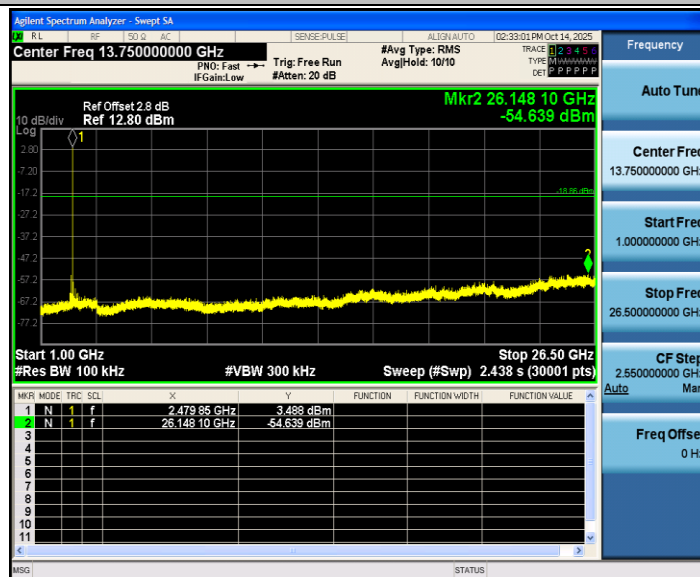
BLE_1M_Ant1_2480_0~Reference



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

