

FCC Appendix RF Test Data

FCC ID : 2BDAL-RC-33

Company : Huizhou Wanzhisheng New Energy Technology
CO., LTD

EUT : Bluetooth voice remote control

Model Number : RC-33

Report No. : CTA25062000101

Reviewed By : Eric Wang

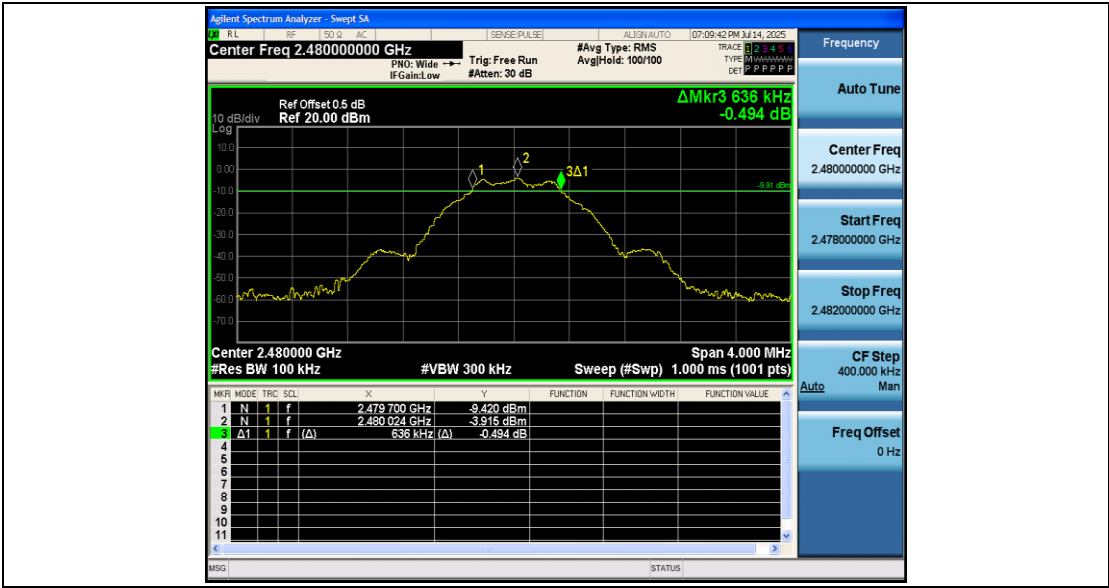
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.640	2401.696	2402.336	0.5	PASS
		2440	0.636	2439.696	2440.332	0.5	PASS
		2480	0.636	2479.700	2480.336	0.5	PASS

Test Graphs





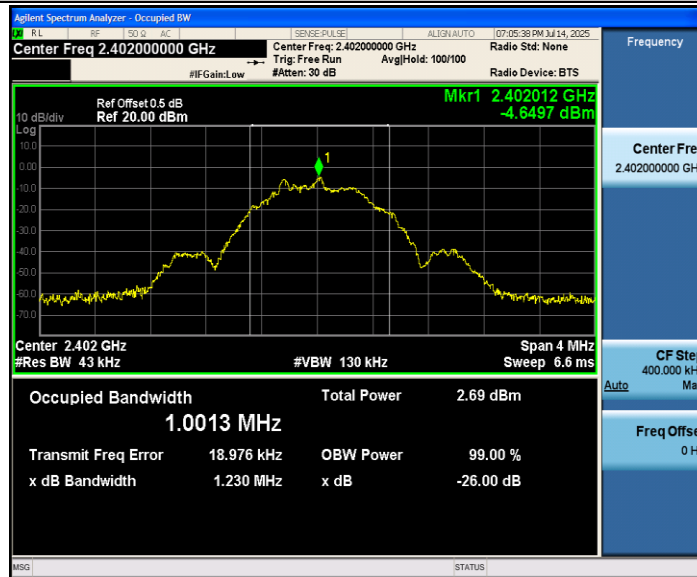
Appendix B: Occupied Channel Bandwidth

Test Result

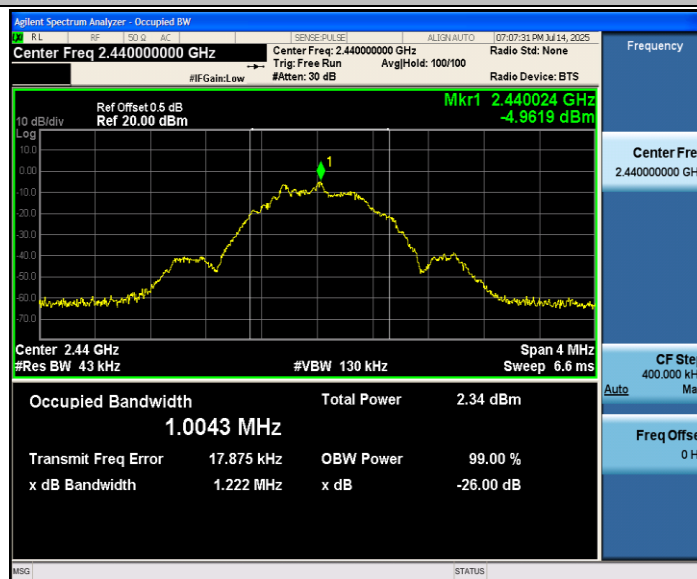
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0013	2401.5183	2402.5196	---	---
		2440	1.0043	2439.5157	2440.5200	---	---
		2480	1.0073	2479.5147	2480.5220	---	---

Test Graphs

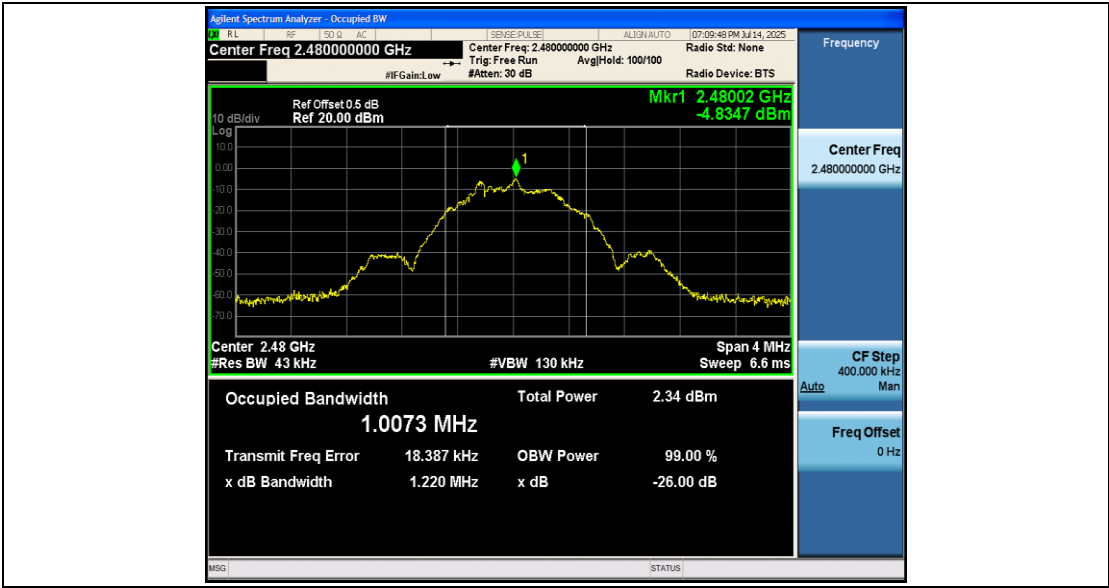
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



Appendix C: Maximum conducted output power

Test Result Peak

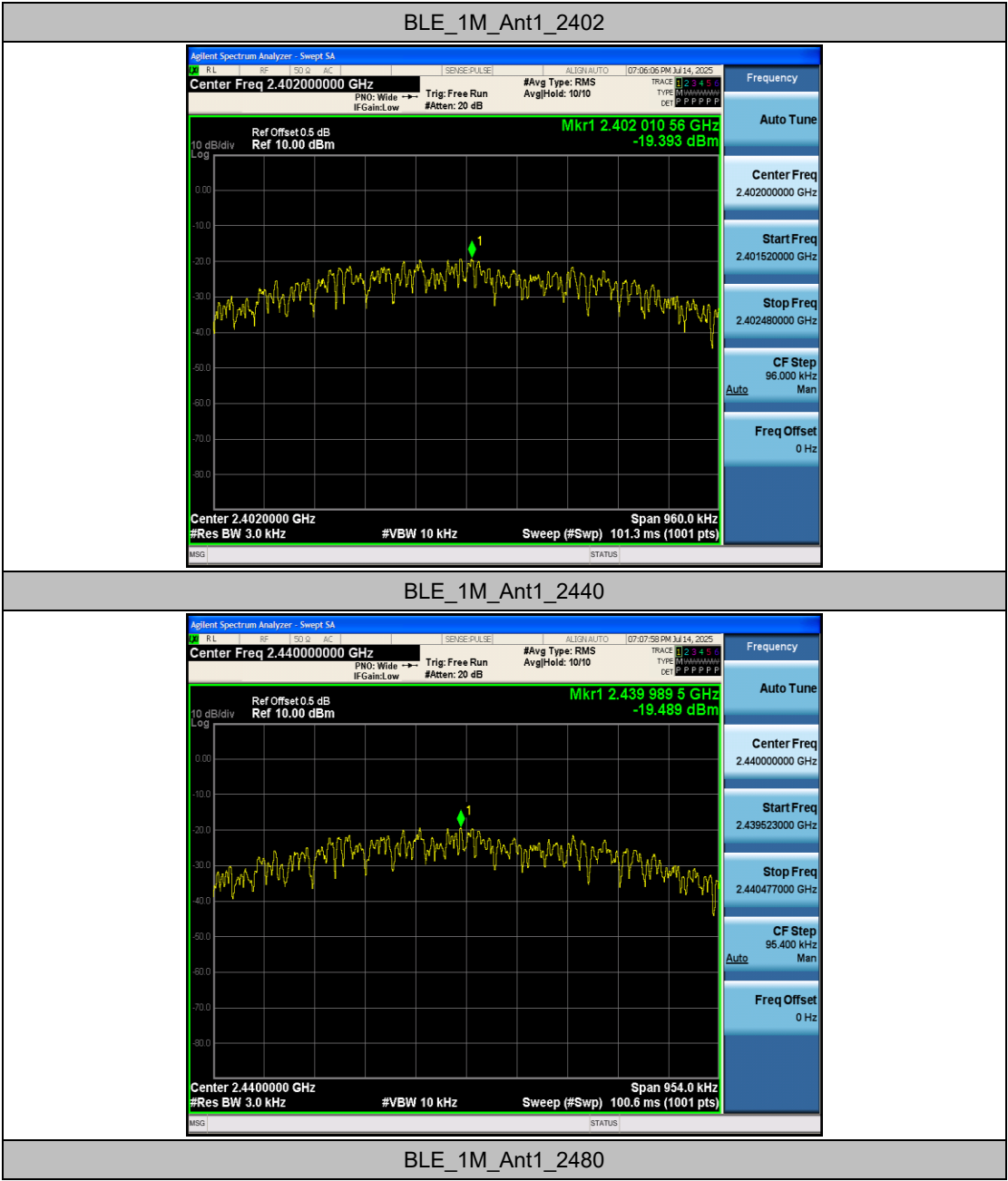
TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-3.41	≤30	PASS
		2440	-3.74	≤30	PASS
		2480	-3.76	≤30	PASS

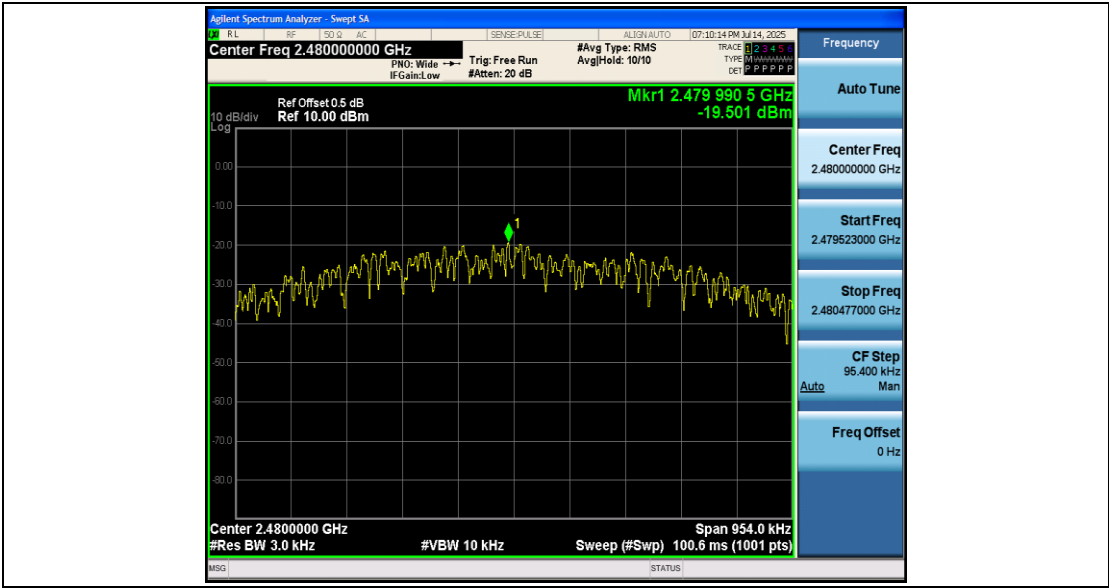
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-19.39	≤8.00	PASS
		2440	-19.49	≤8.00	PASS
		2480	-19.50	≤8.00	PASS

Test Graphs





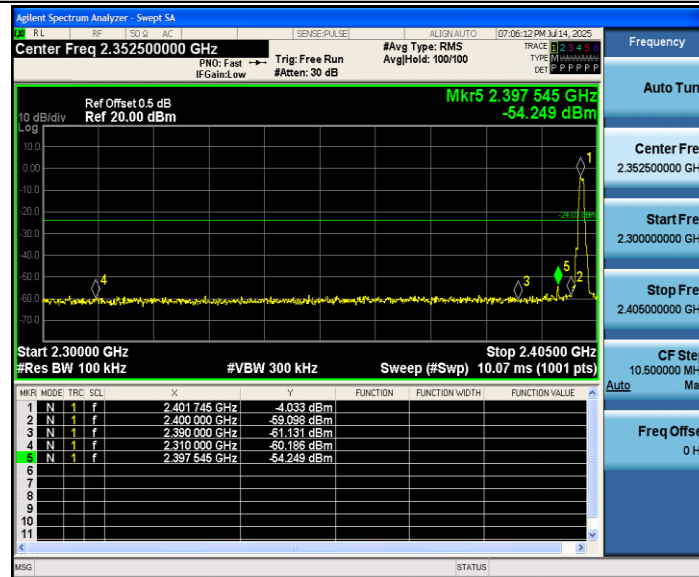
Appendix E: Band edge measurements

Test Result

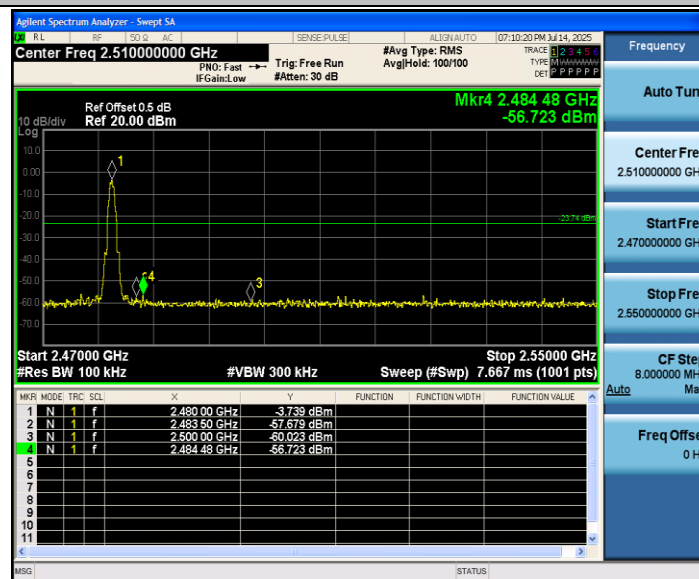
TestMode	Antenna	Channel	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-4.03	-54.25	≤-24.03	PASS
		High	2480	-3.74	-56.72	≤-23.74	PASS

Test Graphs

BLE_1M_Ant1_Low_2402



BLE_1M_Ant1_High_2480

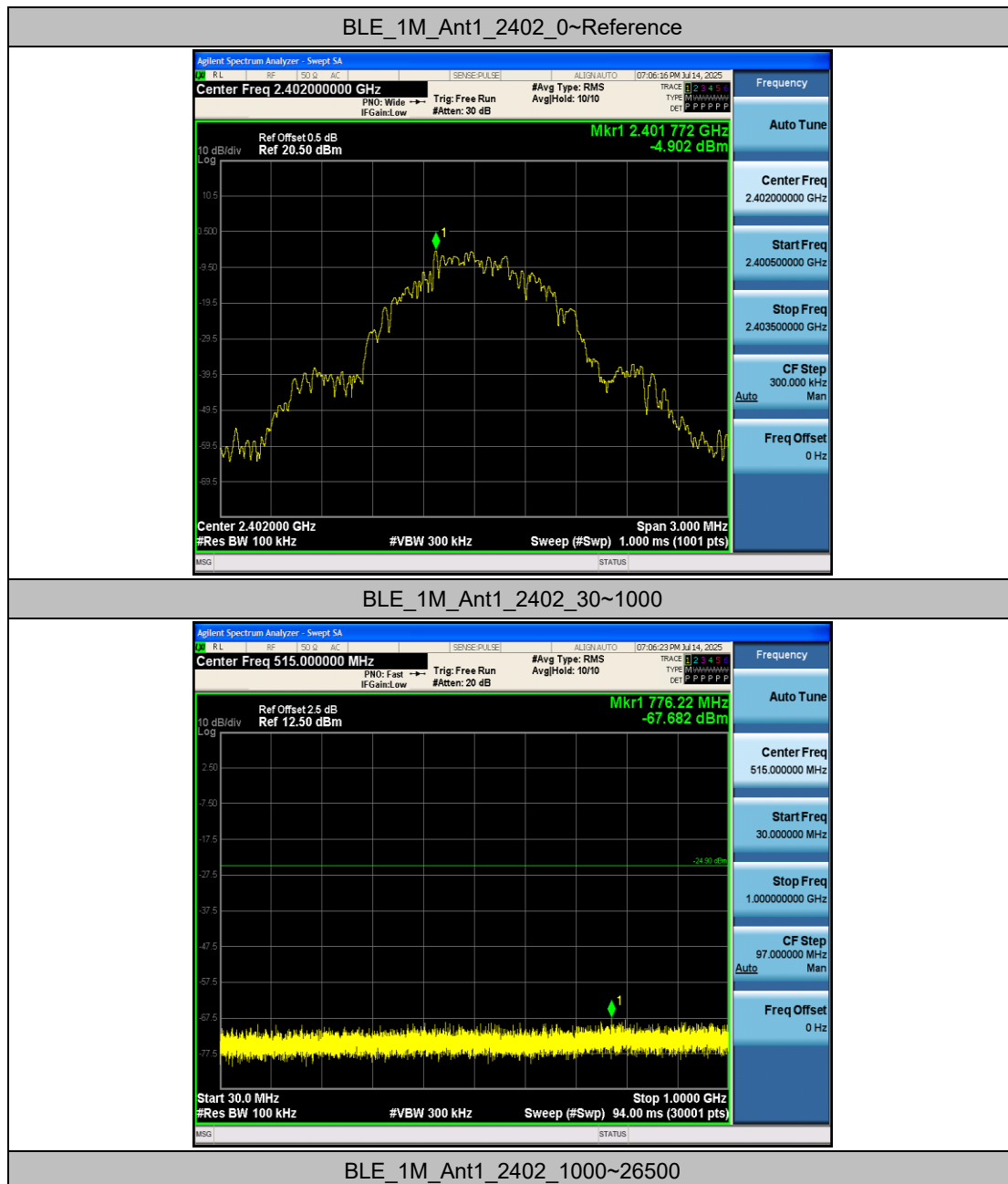


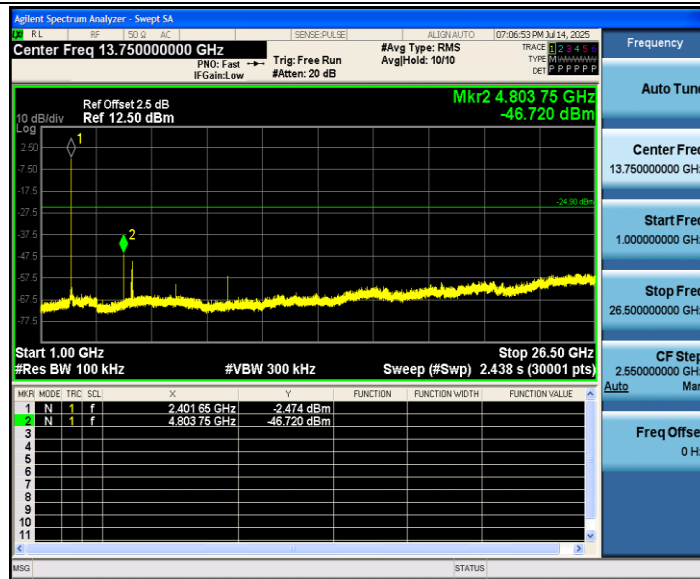
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-4.90	-4.90	---	PASS
			30~1000	-4.90	-67.68	≤-24.9	PASS
			1000~26500	-4.90	-46.72	≤-24.9	PASS
		2440	Reference	-5.28	-5.28	---	PASS
			30~1000	-5.28	-67.67	≤-25.28	PASS
			1000~26500	-5.28	-49.91	≤-25.28	PASS
		2480	Reference	-5.28	-5.28	---	PASS
			30~1000	-5.28	-68.14	≤-25.28	PASS
			1000~26500	-5.28	-48.6	≤-25.28	PASS

Test Graphs

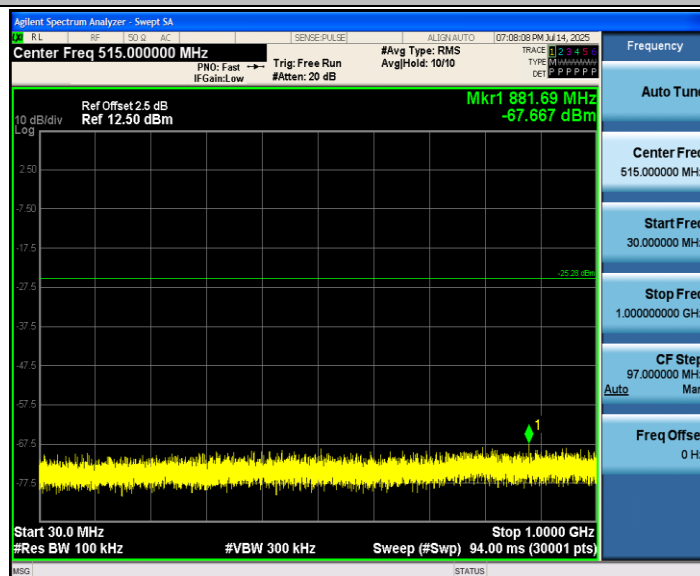




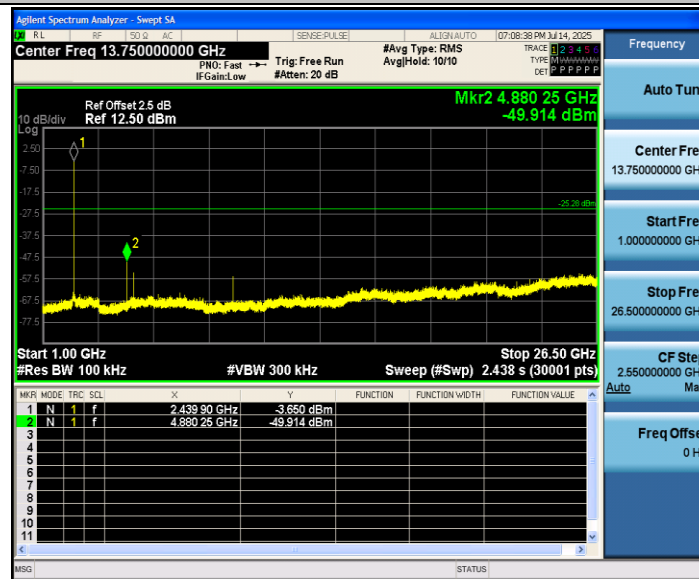
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



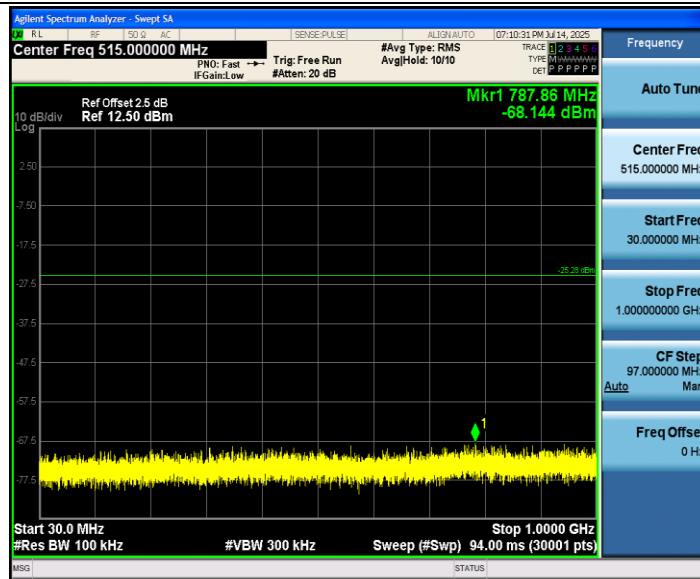
BLE_1M_Ant1_2440_1000~26500



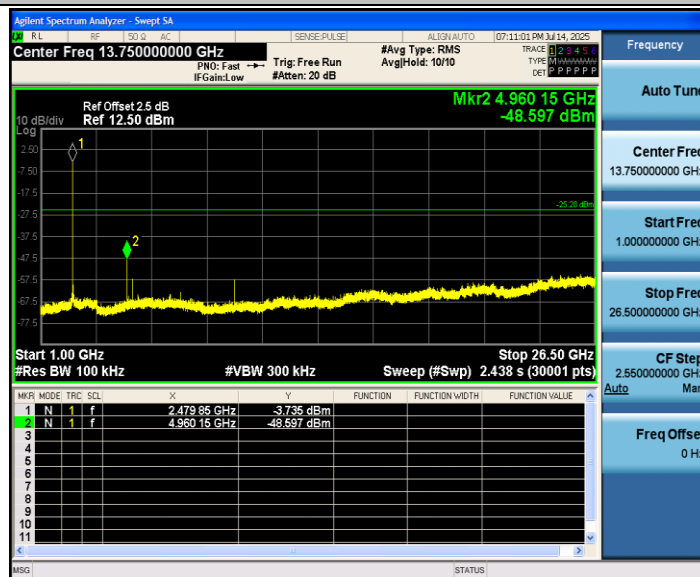
BLE_1M_Ant1_2480_0~Reference



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	0.63	0.6508	65.08	1.87	---	---
		2440	0.41	0.63	0.6508	65.08	1.87	---	---
		2480	0.41	0.63	0.6508	65.08	1.87	---	---

Test Graphs

