

Appendix: Bluetooth LE

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Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.788	2401.588	2402.376	0.5	PASS
		2440	0.792	2439.592	2440.384	0.5	PASS
		2480	0.784	2479.600	2480.384	0.5	PASS

Test Graphs



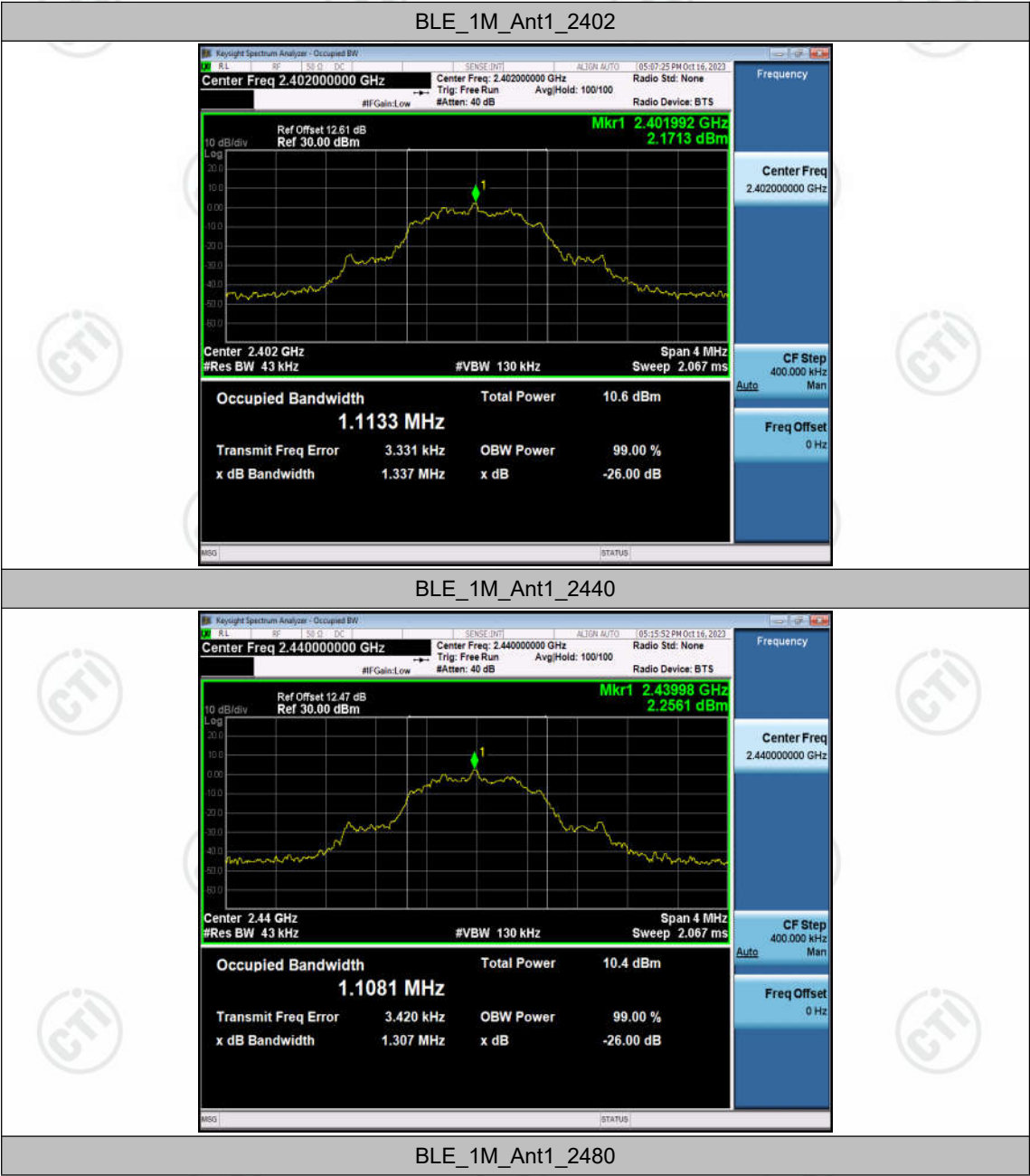


Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.1133	2401.4467	2402.5600	---	---
		2440	1.1081	2439.4494	2440.5575	---	---
		2480	1.0960	2479.4609	2480.5569	---	---

Test Graphs



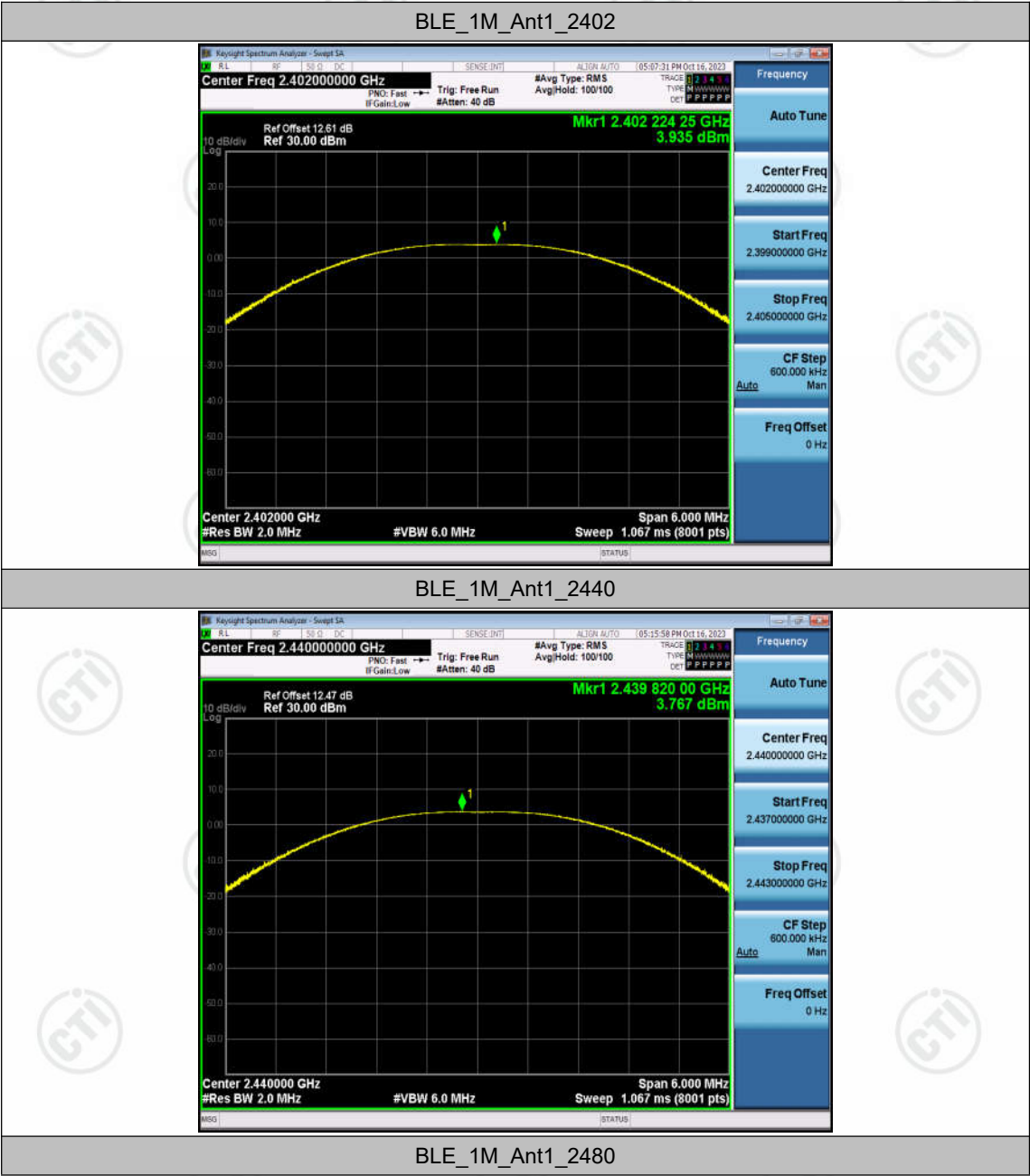


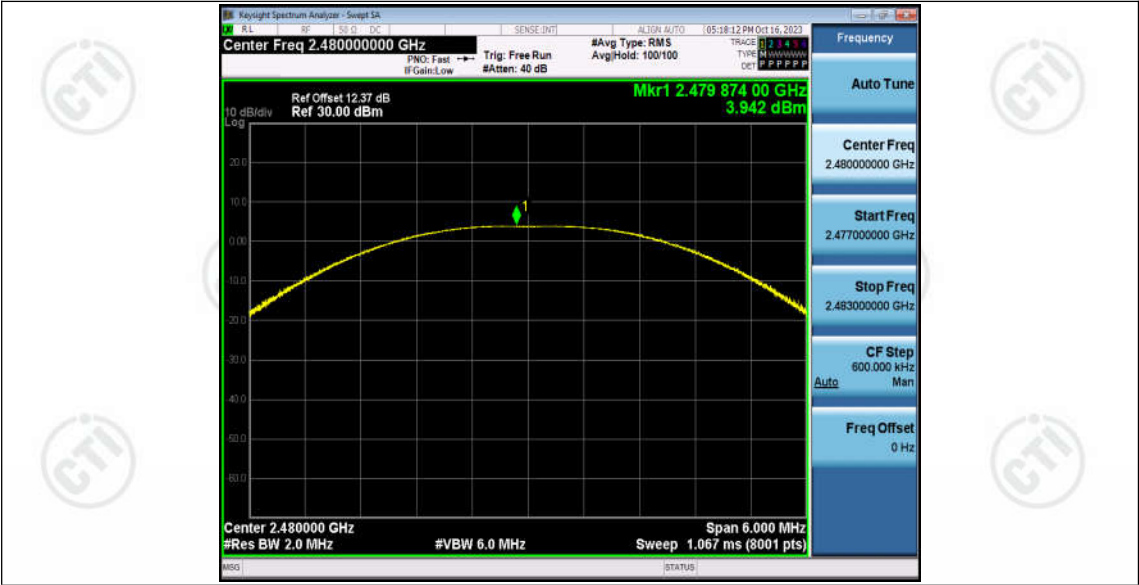
Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.94	≤30	PASS
		2440	3.77	≤30	PASS
		2480	3.94	≤30	PASS

Test Graphs



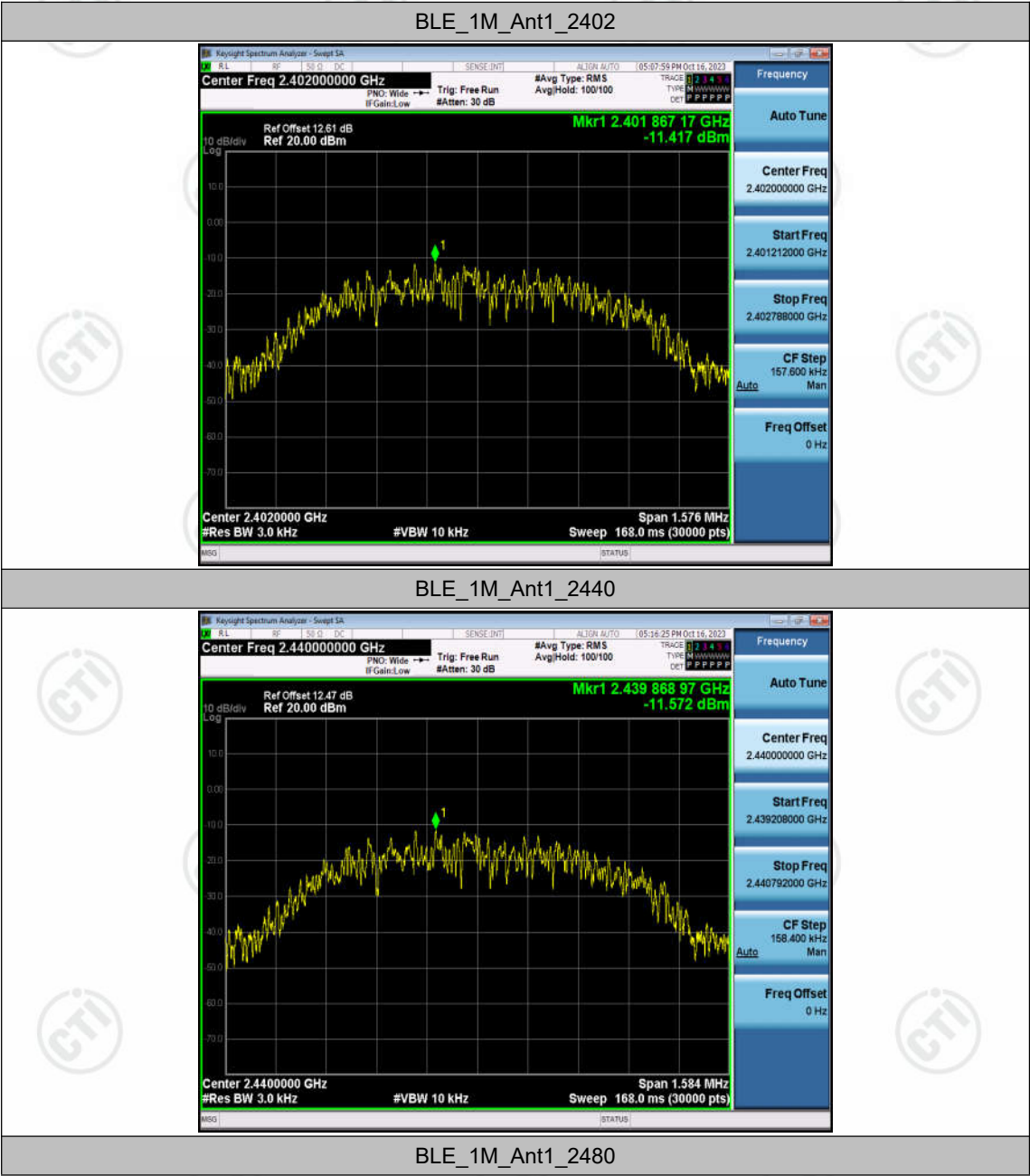


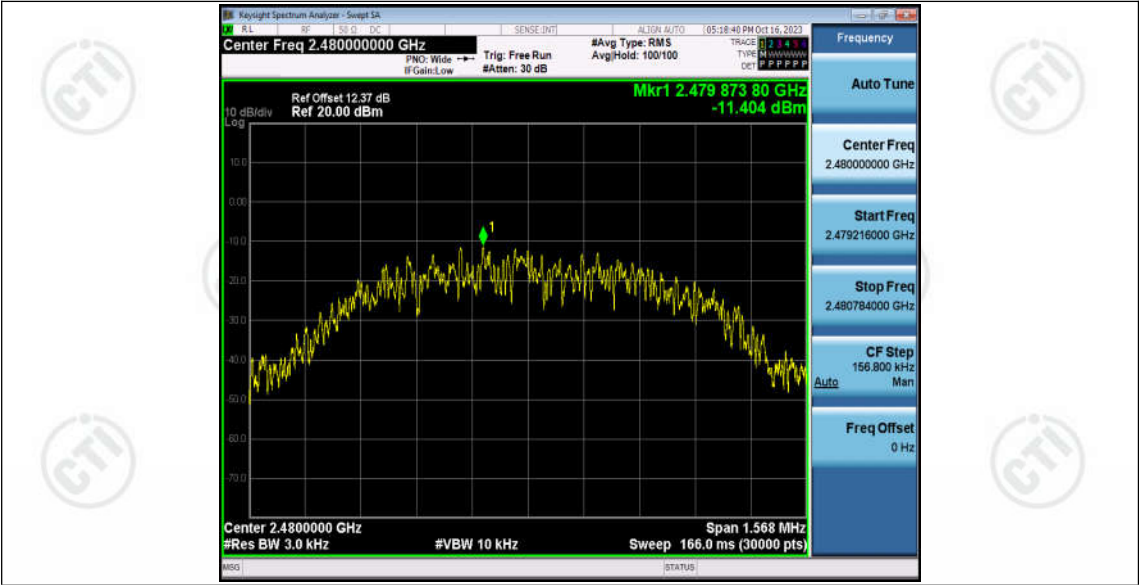
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.42	≤8.00	PASS
		2440	-11.57	≤8.00	PASS
		2480	-11.4	≤8.00	PASS

Test Graphs



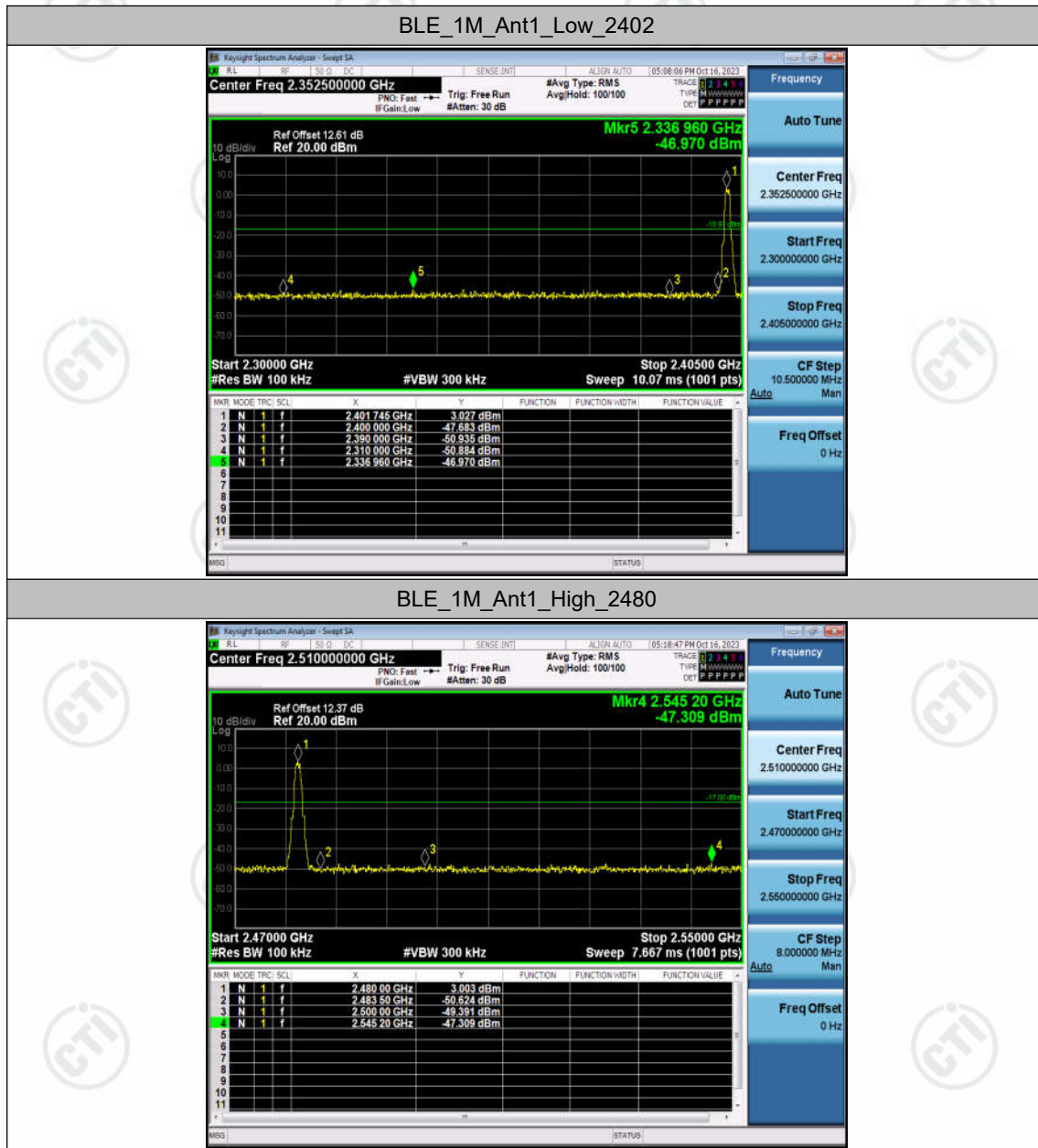


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.03	-46.97	≤-16.97	PASS
		High	2480	3.00	-47.31	≤-17	PASS

Test Graphs



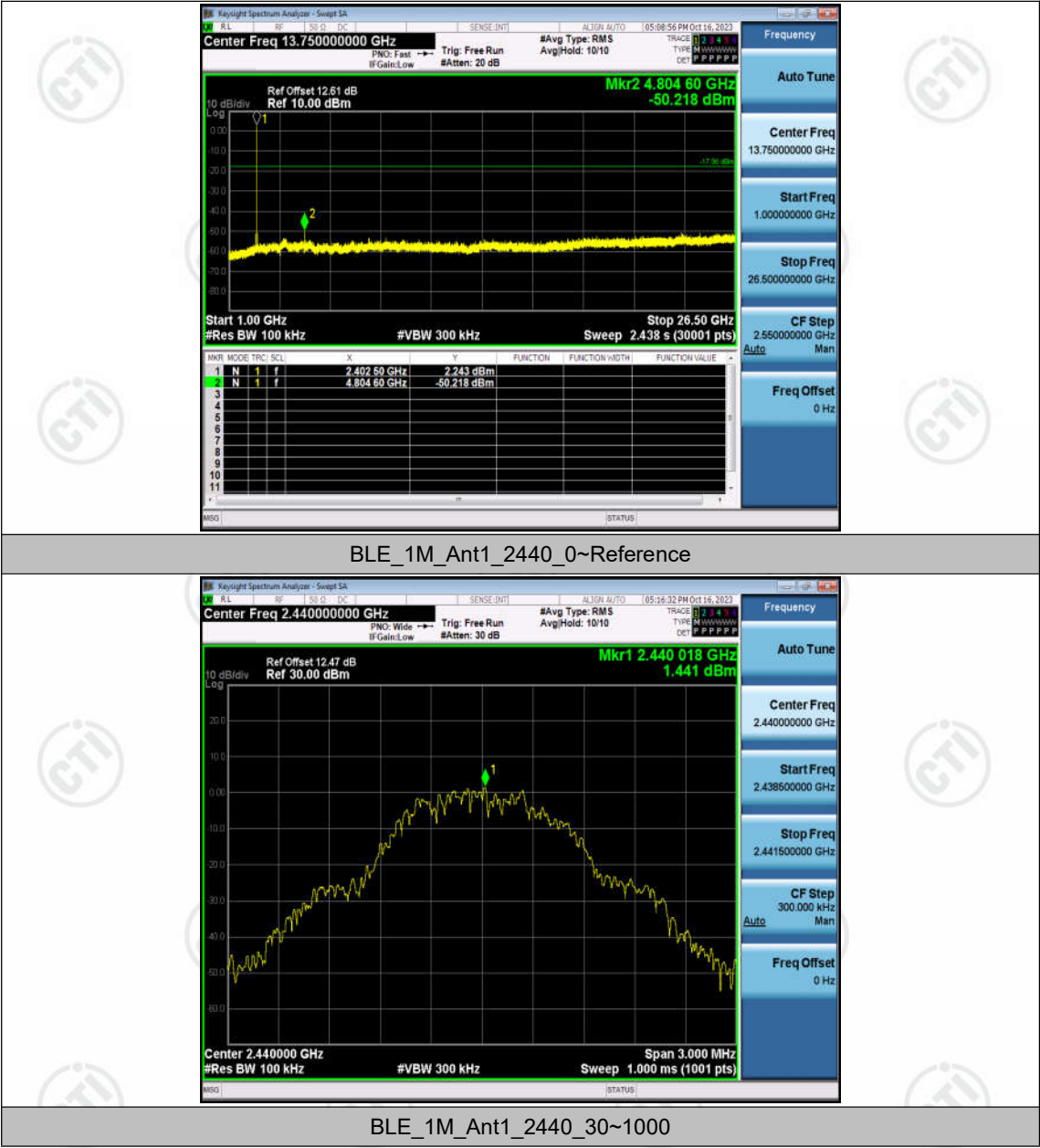
Appendix F: Conducted Spurious Emission

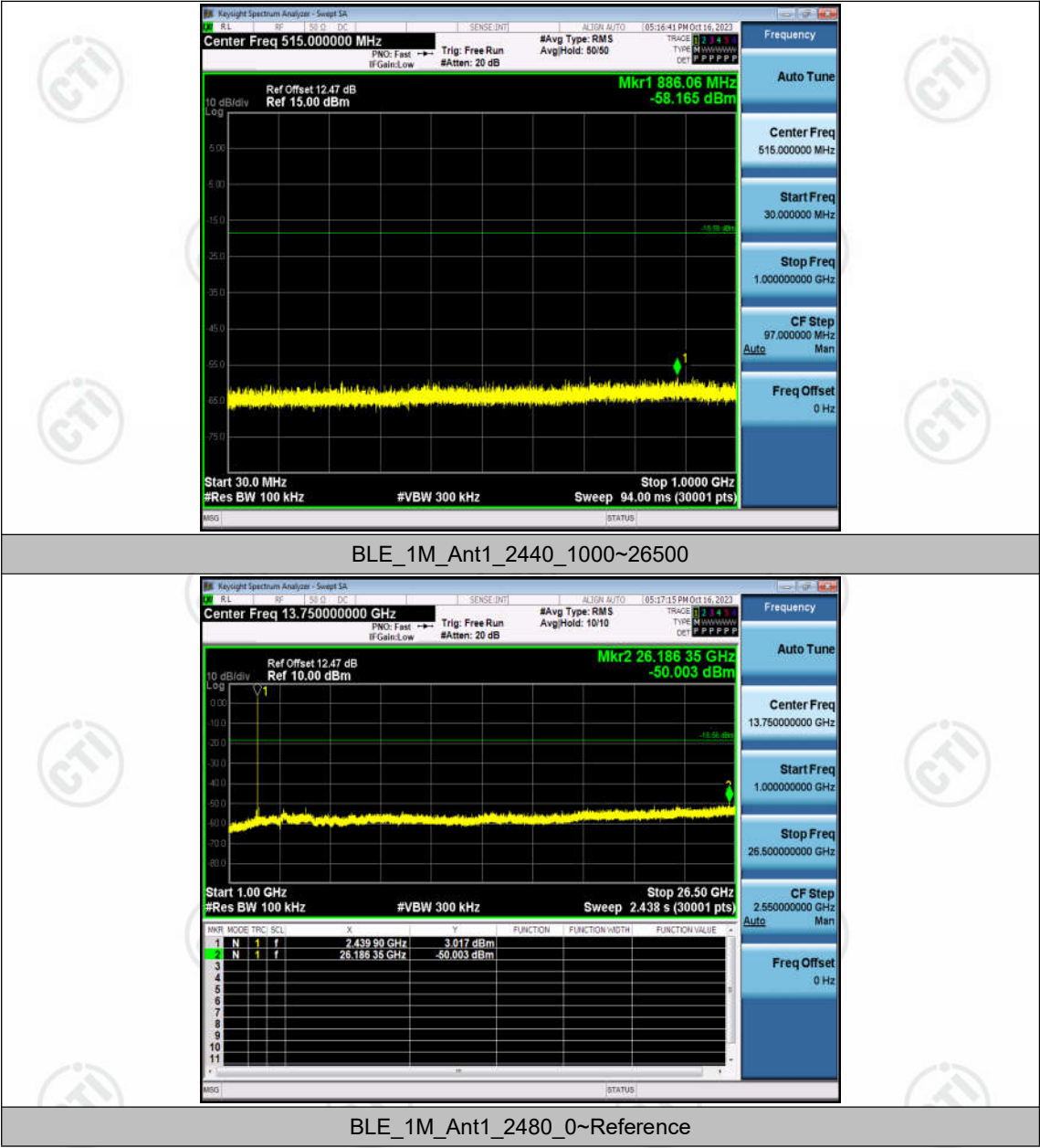
Test Result

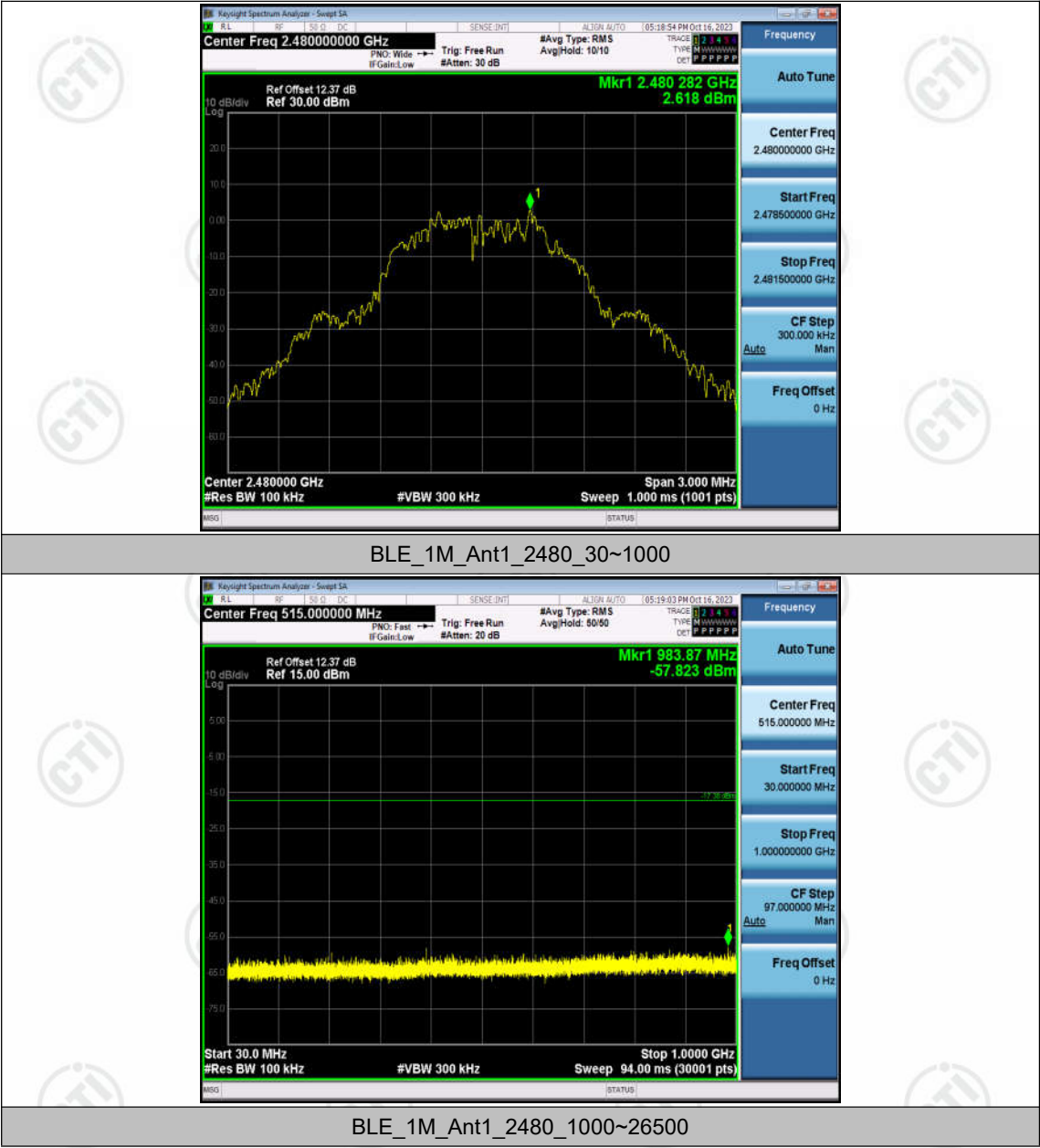
Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	2.04	2.04	---	PASS
			30~1000	2.04	-50.64	≤-17.96	PASS
			1000~26500	2.04	-50.22	≤-17.96	PASS
		2440	Reference	1.44	1.44	---	PASS
			30~1000	1.44	-58.17	≤-18.56	PASS
			1000~26500	1.44	-50	≤-18.56	PASS
		2480	Reference	2.62	2.62	---	PASS
			30~1000	2.62	-57.82	≤-17.38	PASS
			1000~26500	2.62	-48.86	≤-17.38	PASS

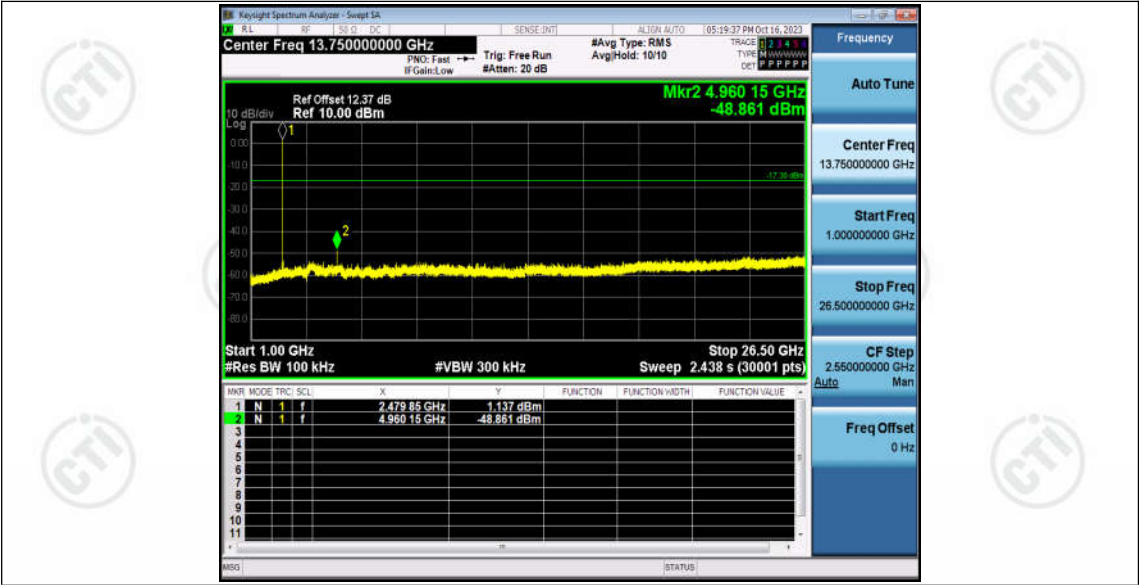
Test Graphs









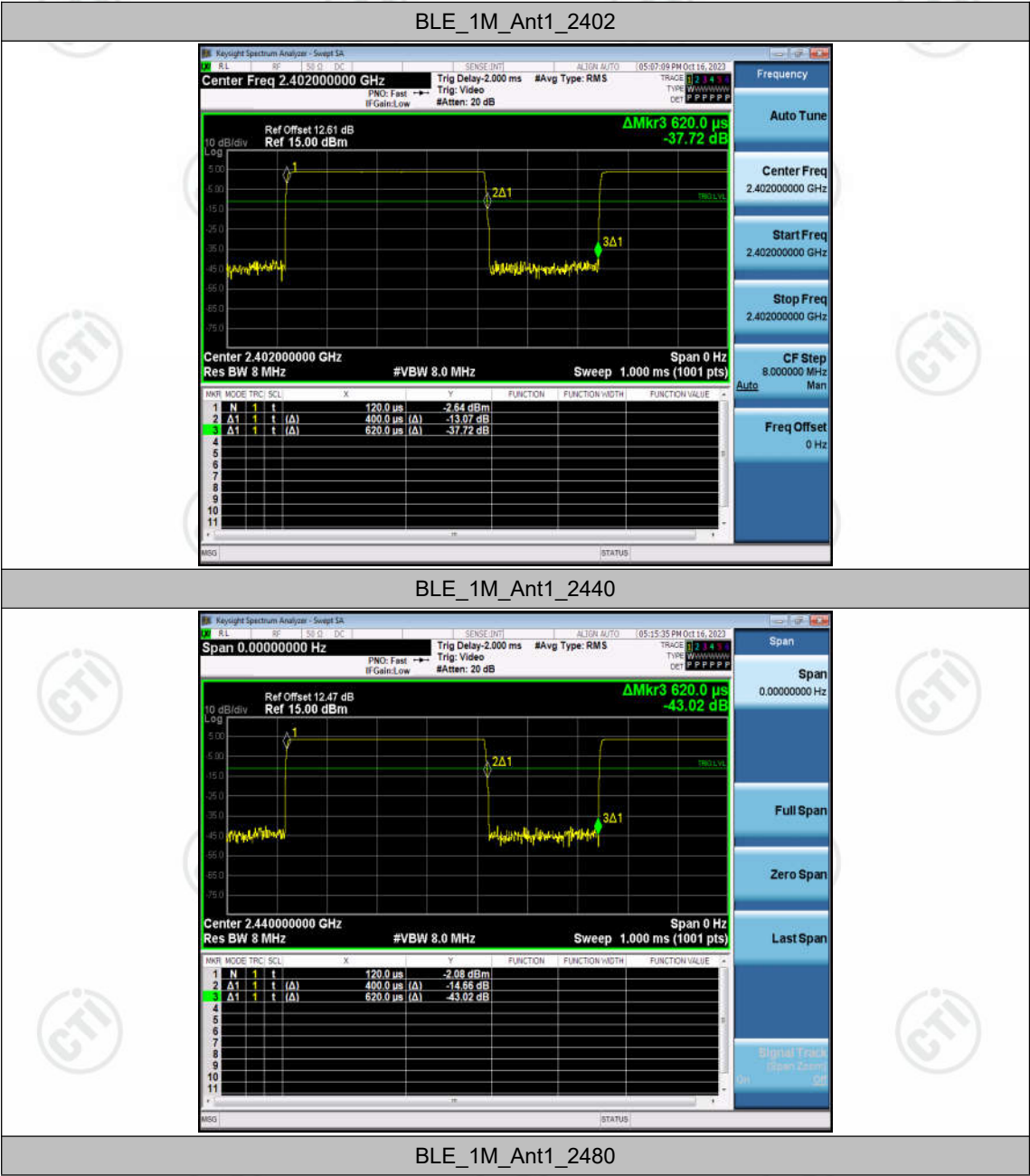


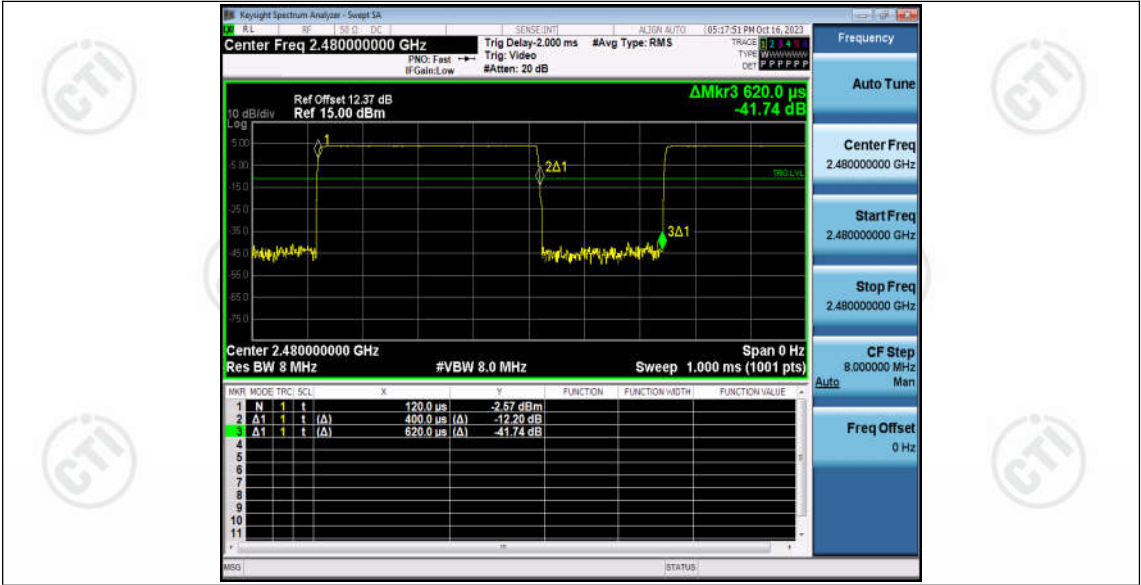
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.40	0.62	64.52	1.90
		2440	0.40	0.62	64.52	1.90
		2480	0.40	0.62	64.52	1.90

Test Graphs





*** End of Report ***