

Appendix: Bluetooth LE

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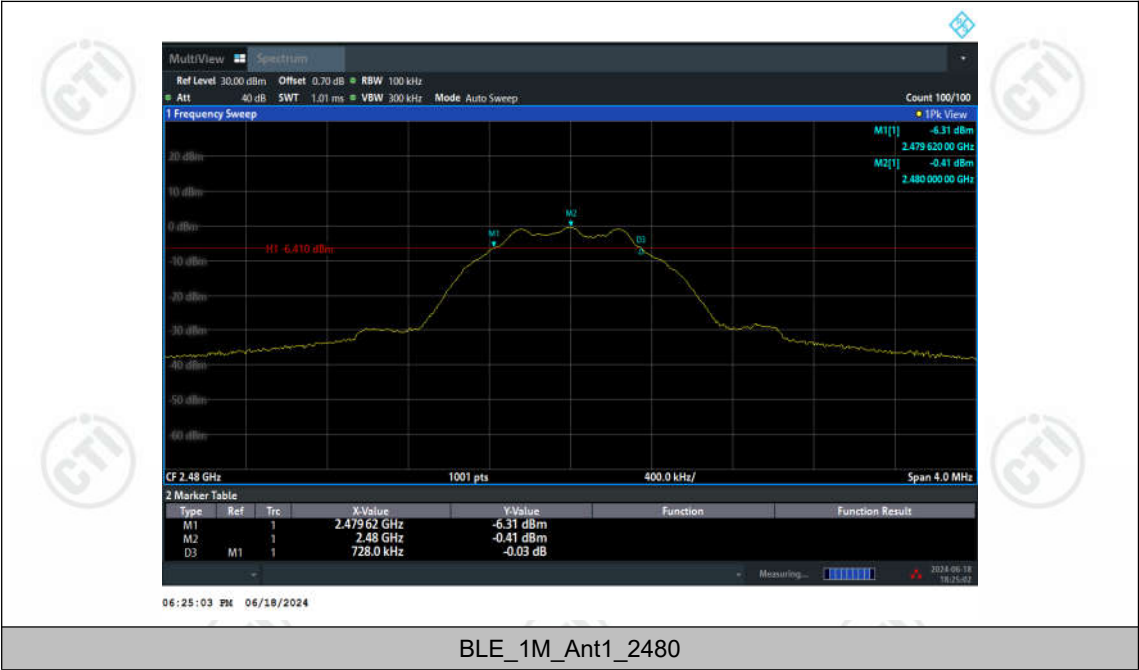
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.68	2401.65	2402.33	0.5	PASS
		2440	0.70	2439.63	2440.34	0.5	PASS
		2480	0.73	2479.62	2480.35	0.5	PASS

Test Graphs





Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.044	2401.483	2402.527	---	---
		2440	1.056	2439.477	2440.533	---	---
		2480	1.08	2479.464	2480.544	---	---

Test Graphs



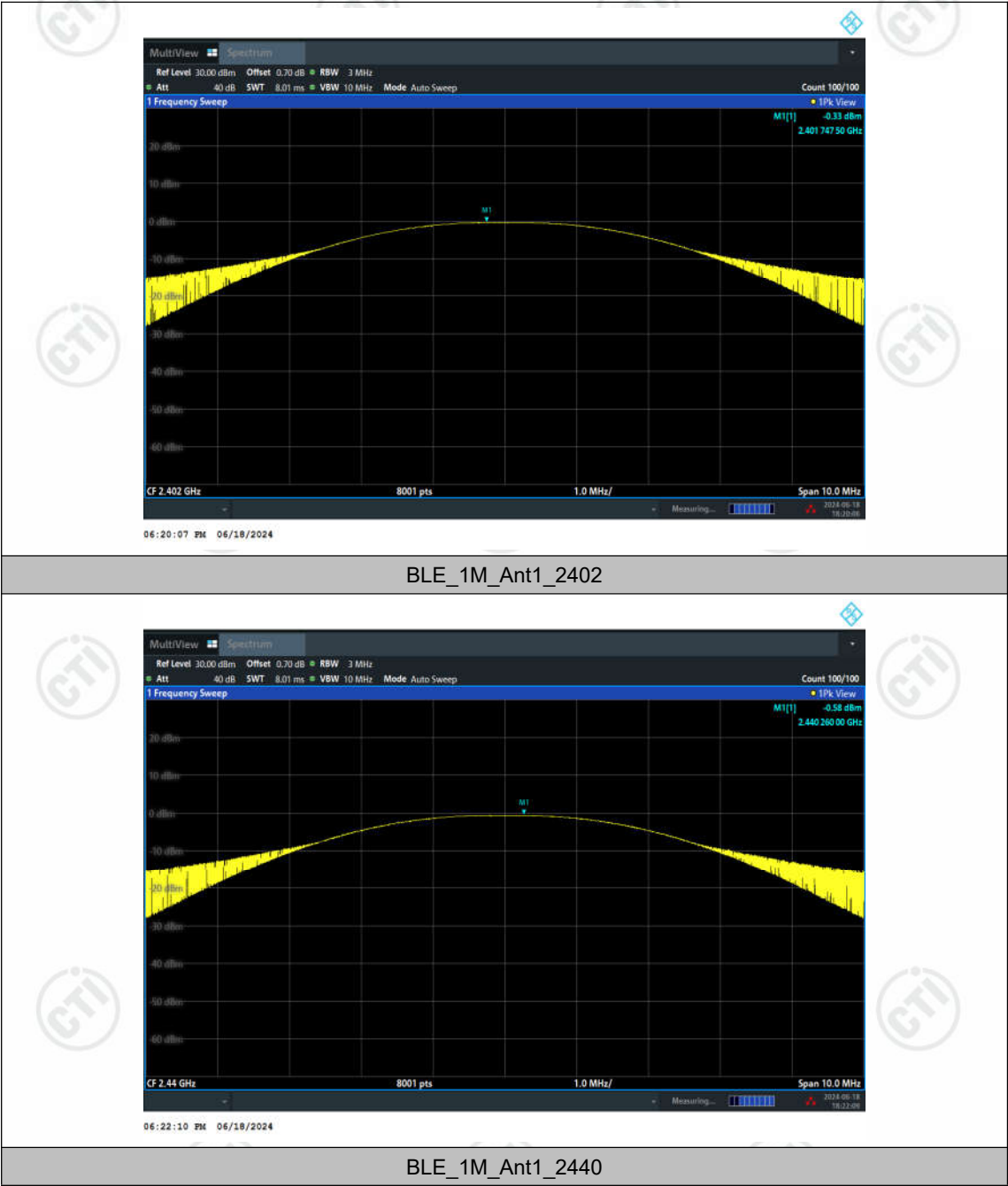


Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.33	≤30	PASS
		2440	-0.58	≤30	PASS
		2480	-0.22	≤30	PASS

Test Graphs Peak



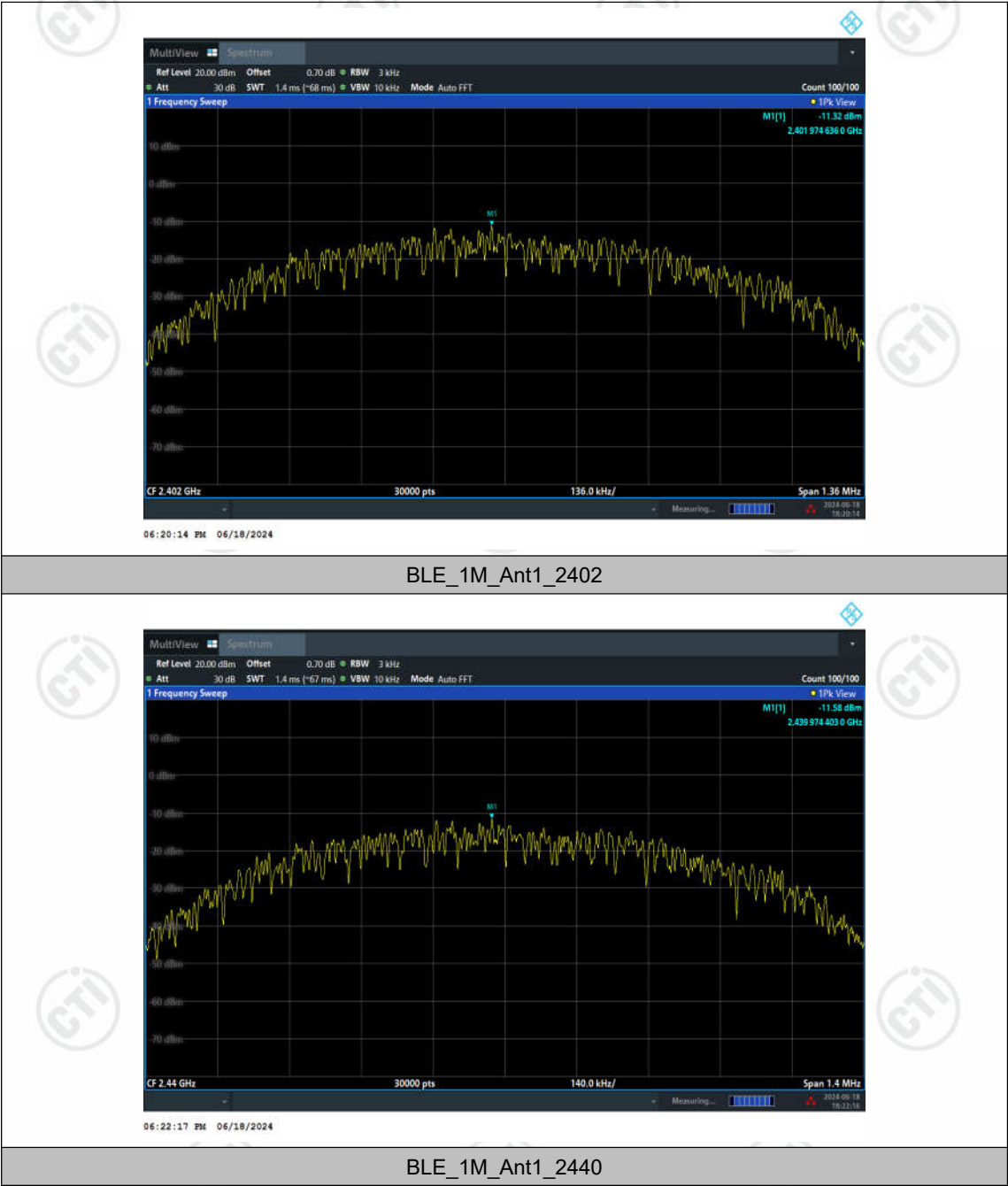


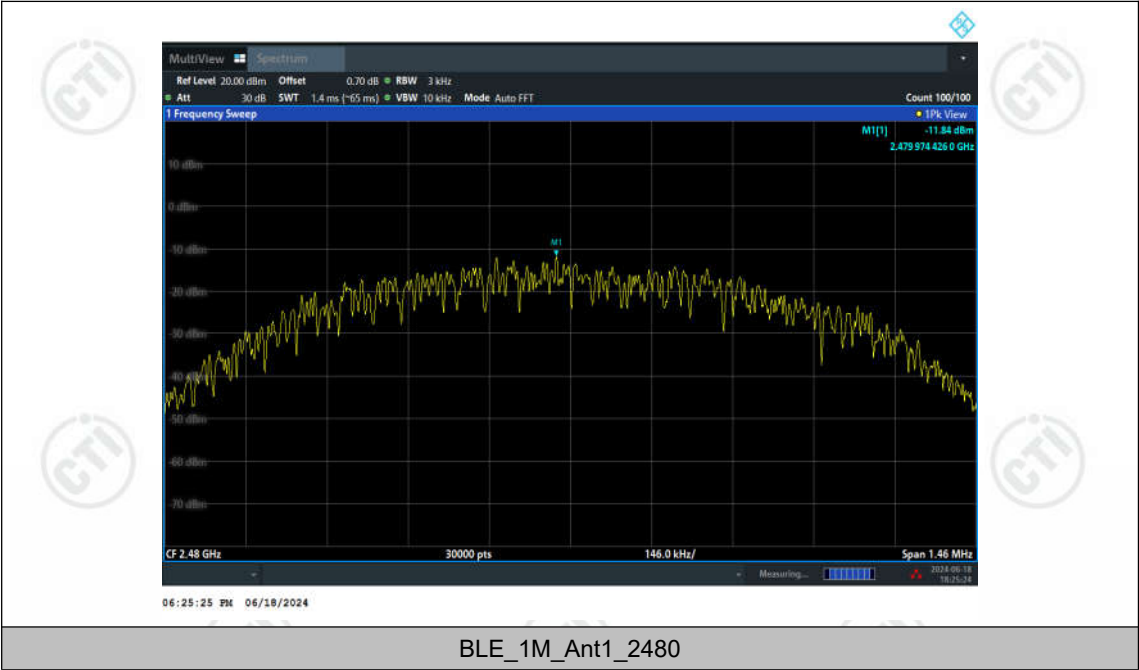
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.32	≤8.00	PASS
		2440	-11.58	≤8.00	PASS
		2480	-11.84	≤8.00	PASS

Test Graphs



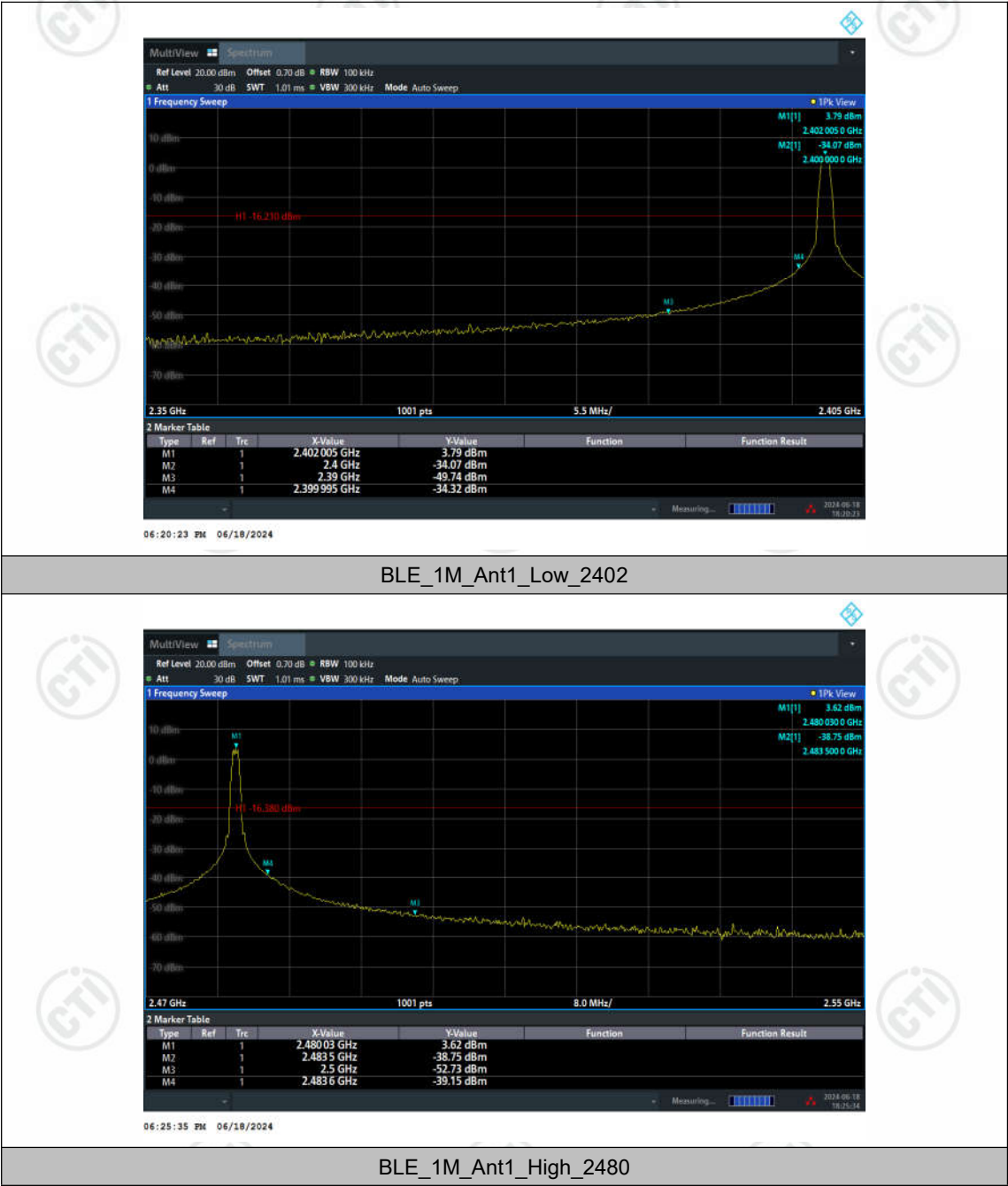


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.79	-34.32	≤-16.21	PASS
		High	2480	3.62	-39.15	≤-16.38	PASS

Test Graphs

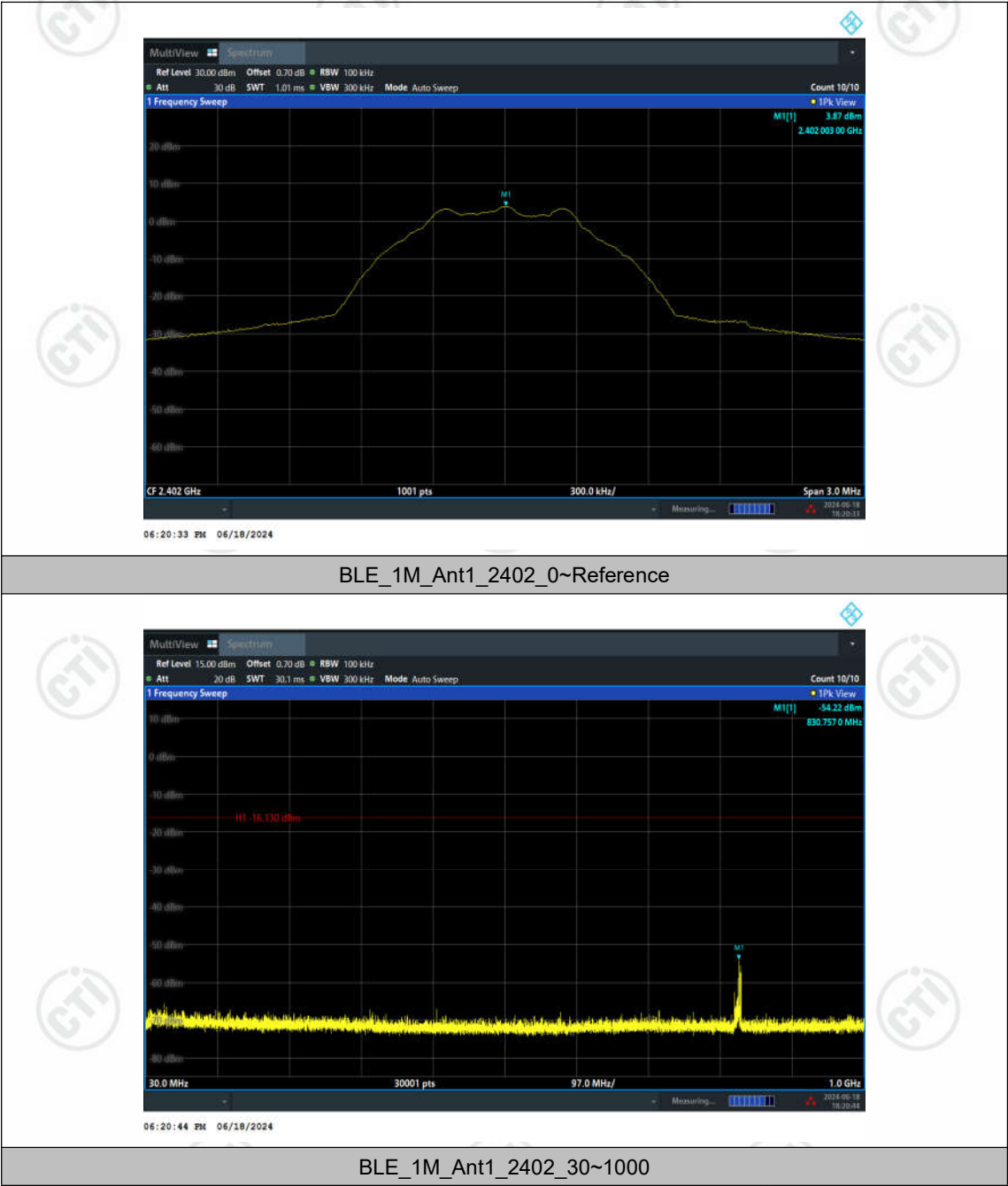


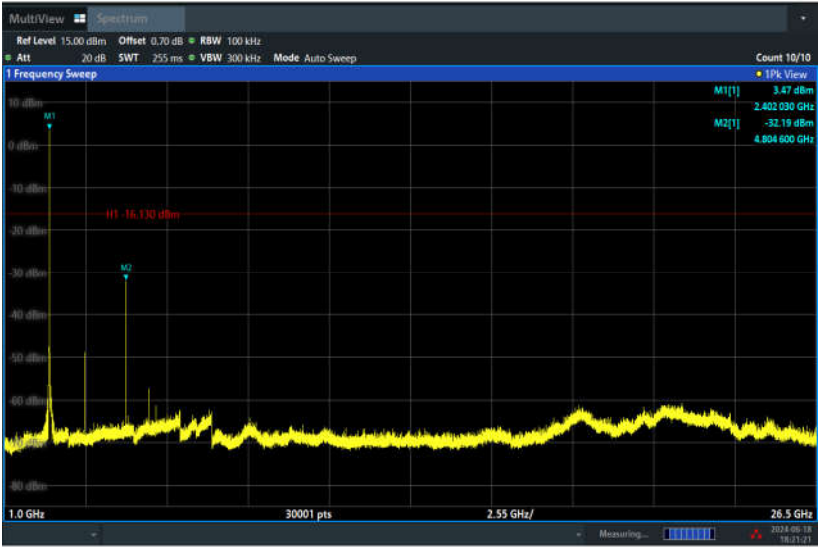
Appendix F: Conducted Spurious Emission

Test Result

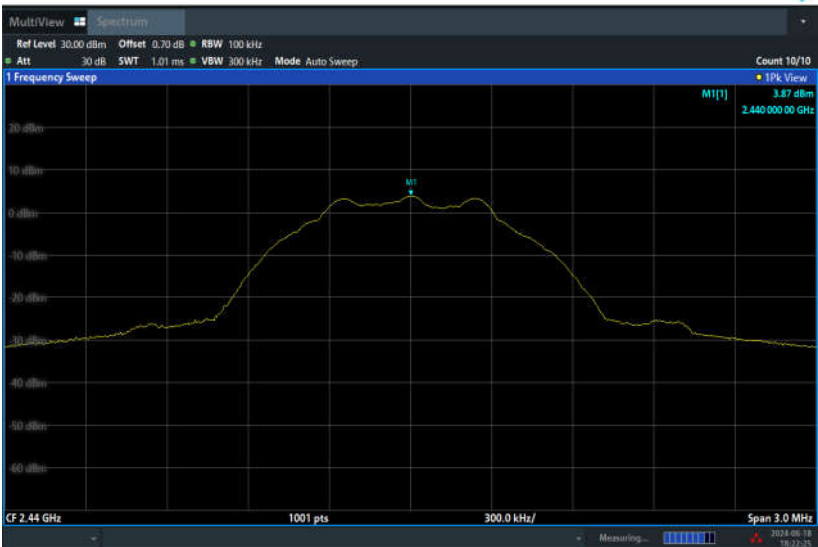
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	3.87	3.87	---	PASS
			30~1000	3.87	-54.22	≤-16.13	PASS
			1000~26500	3.87	-32.19	≤-16.13	PASS
		2440	Reference	3.87	3.87	---	PASS
			30~1000	3.87	-56.86	≤-16.13	PASS
			1000~26500	3.87	-29.59	≤-16.13	PASS
		2480	Reference	3.76	3.76	---	PASS
			30~1000	3.76	-49.08	≤-16.24	PASS
			1000~26500	3.76	-27.82	≤-16.24	PASS

Test Graphs

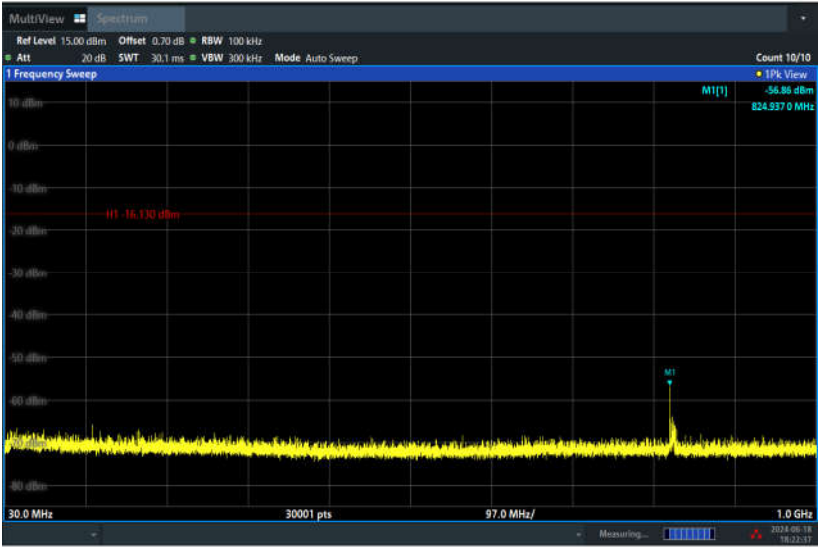




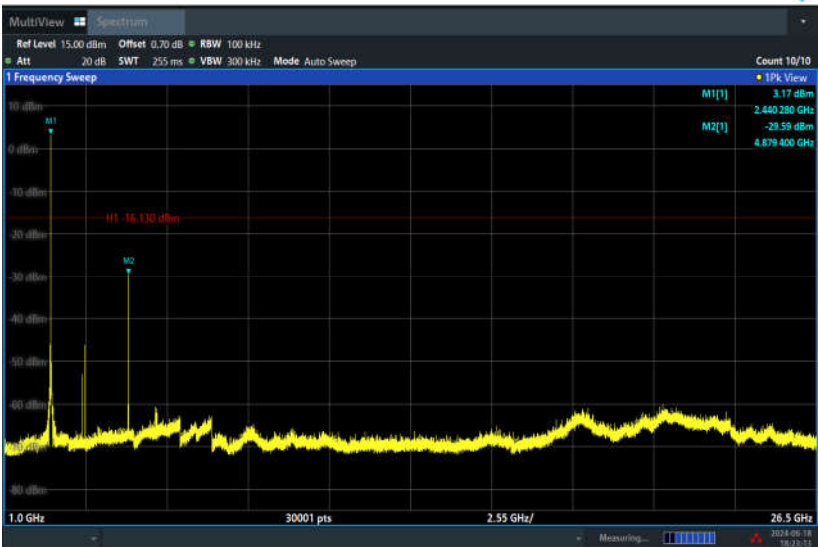
BLE_1M_Ant1_2402_1000~26500



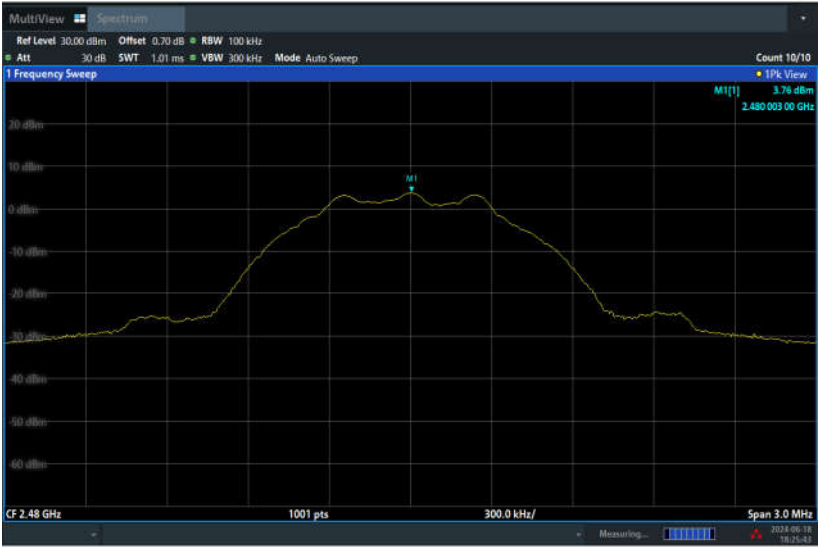
BLE_1M_Ant1_2440_0~Reference



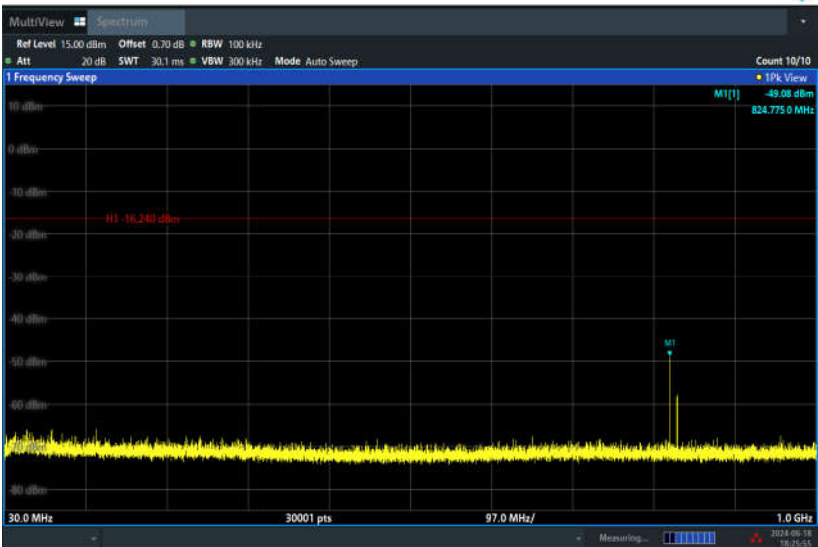
BLE_1M_Ant1_2440_30~1000



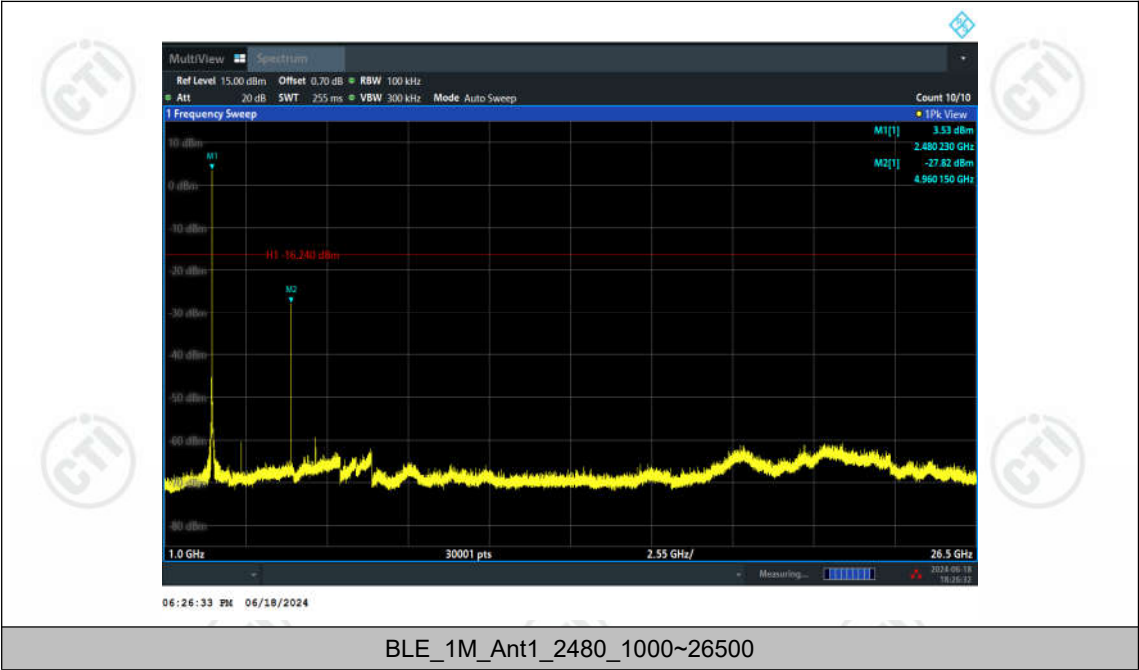
BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

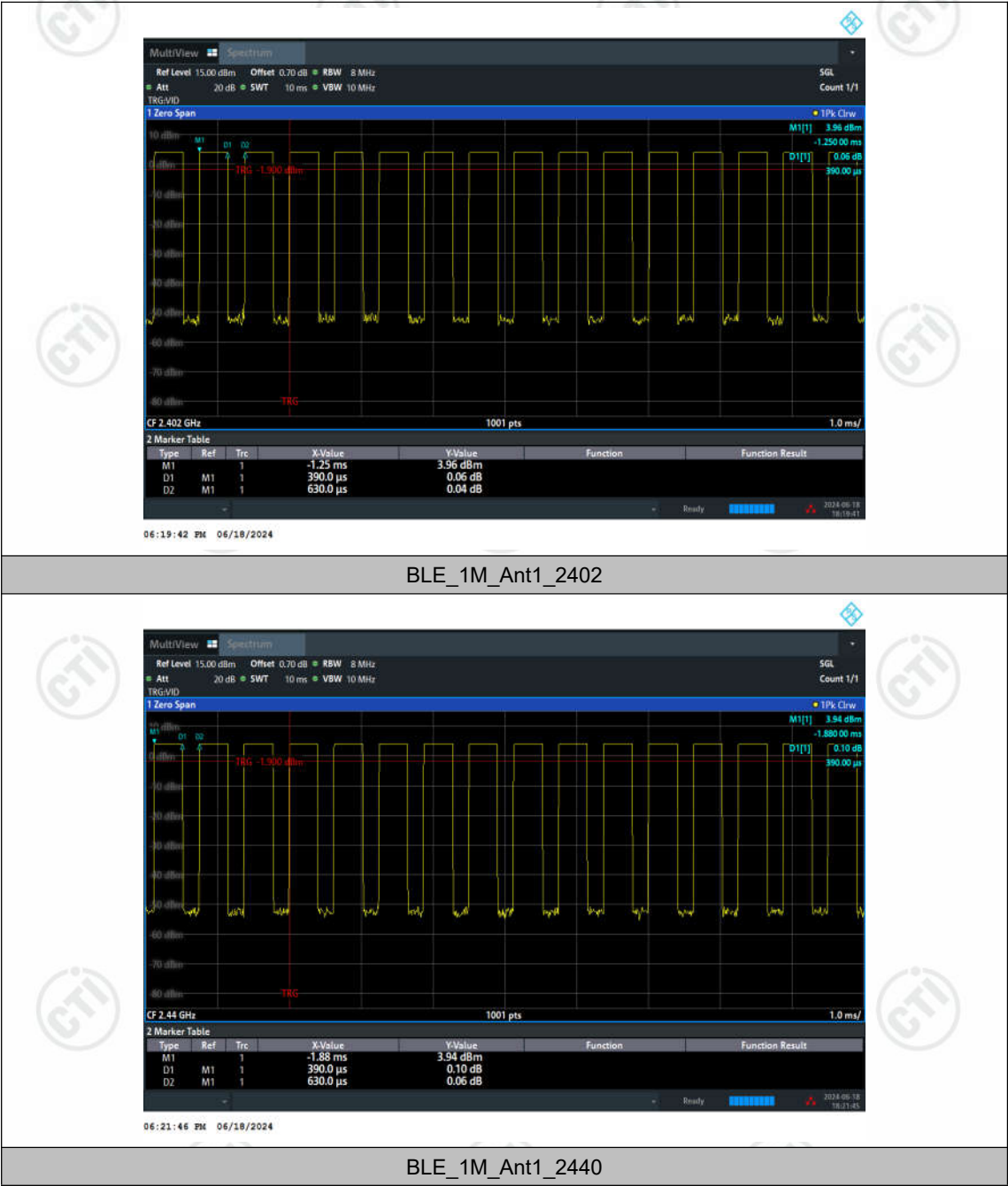


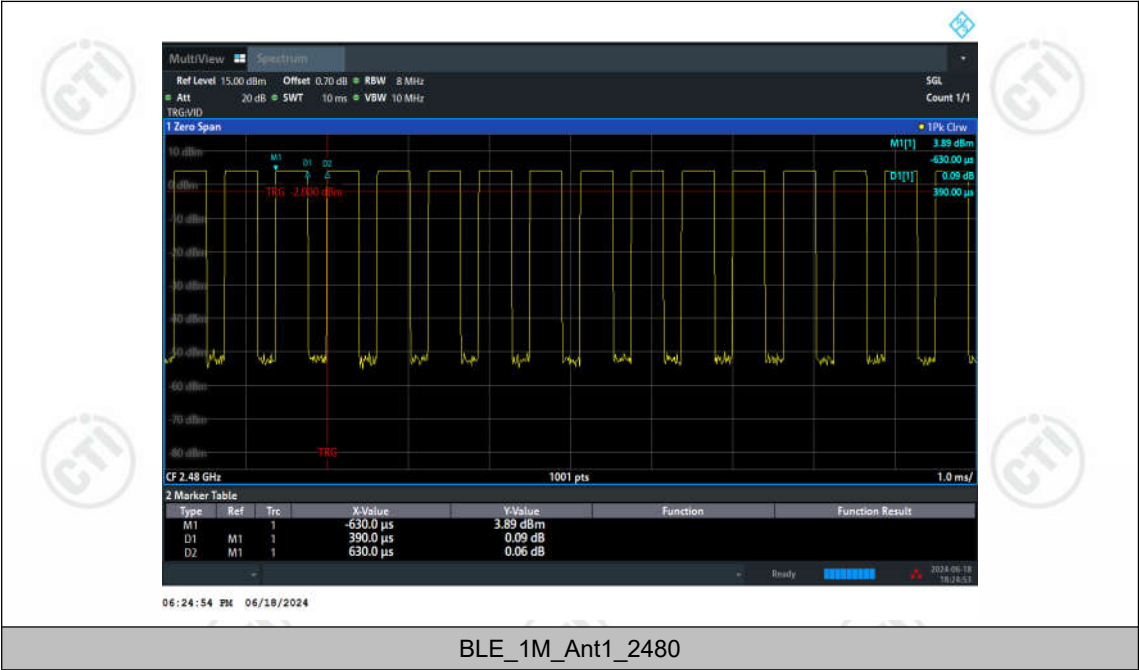
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.39	0.63	61.90	2.08
		2440	0.39	0.63	61.90	2.08
		2480	0.39	0.63	61.90	2.08

Test Graphs





*** End of Report ***