

Appendix: Bluetooth LE

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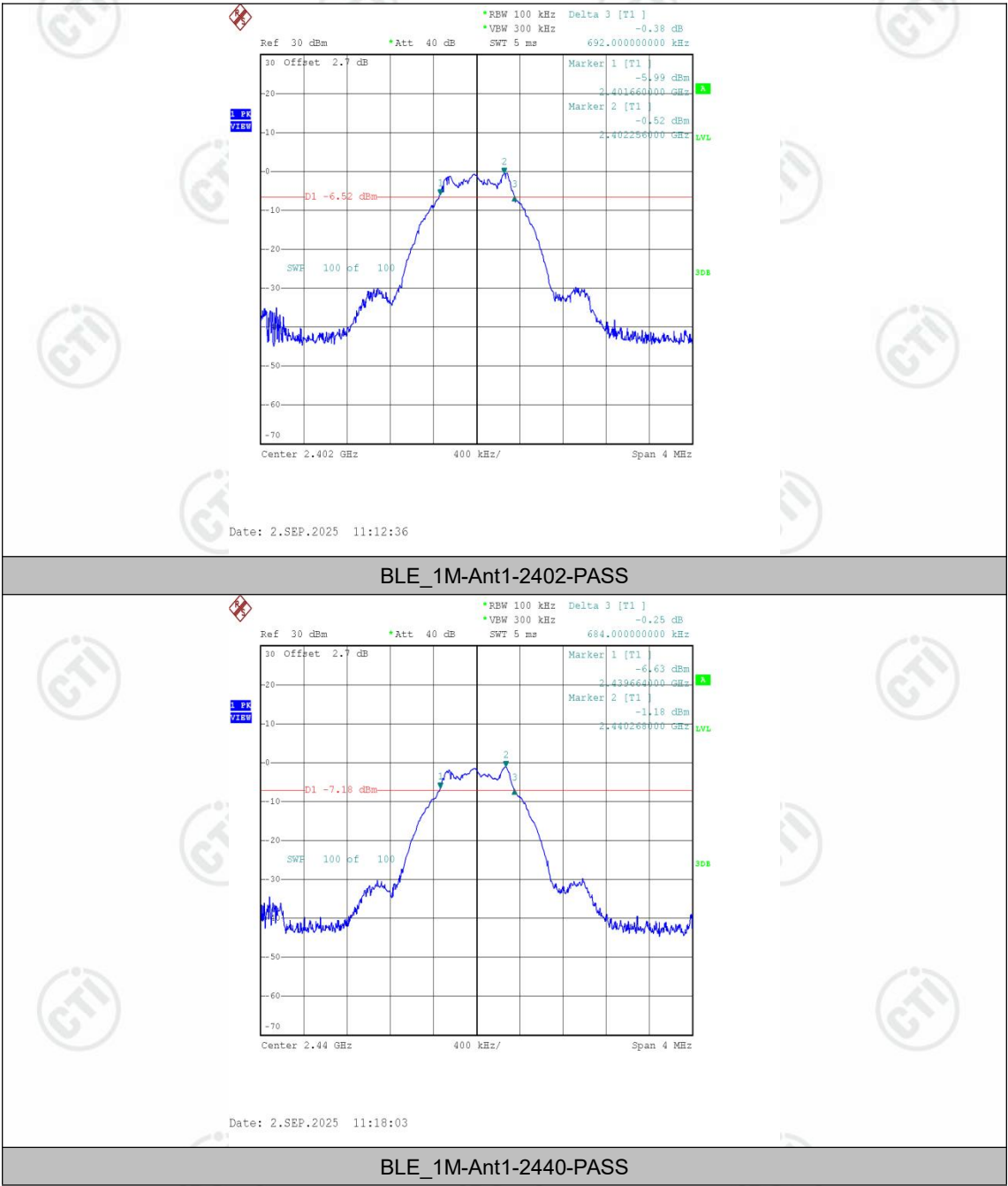
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Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.69	2401.66	2402.35	0.5	PASS
BLE_1M	Ant1	2440	0.68	2439.66	2440.35	0.5	PASS
BLE_1M	Ant1	2480	0.72	2479.64	2480.36	0.5	PASS

Test Graphs



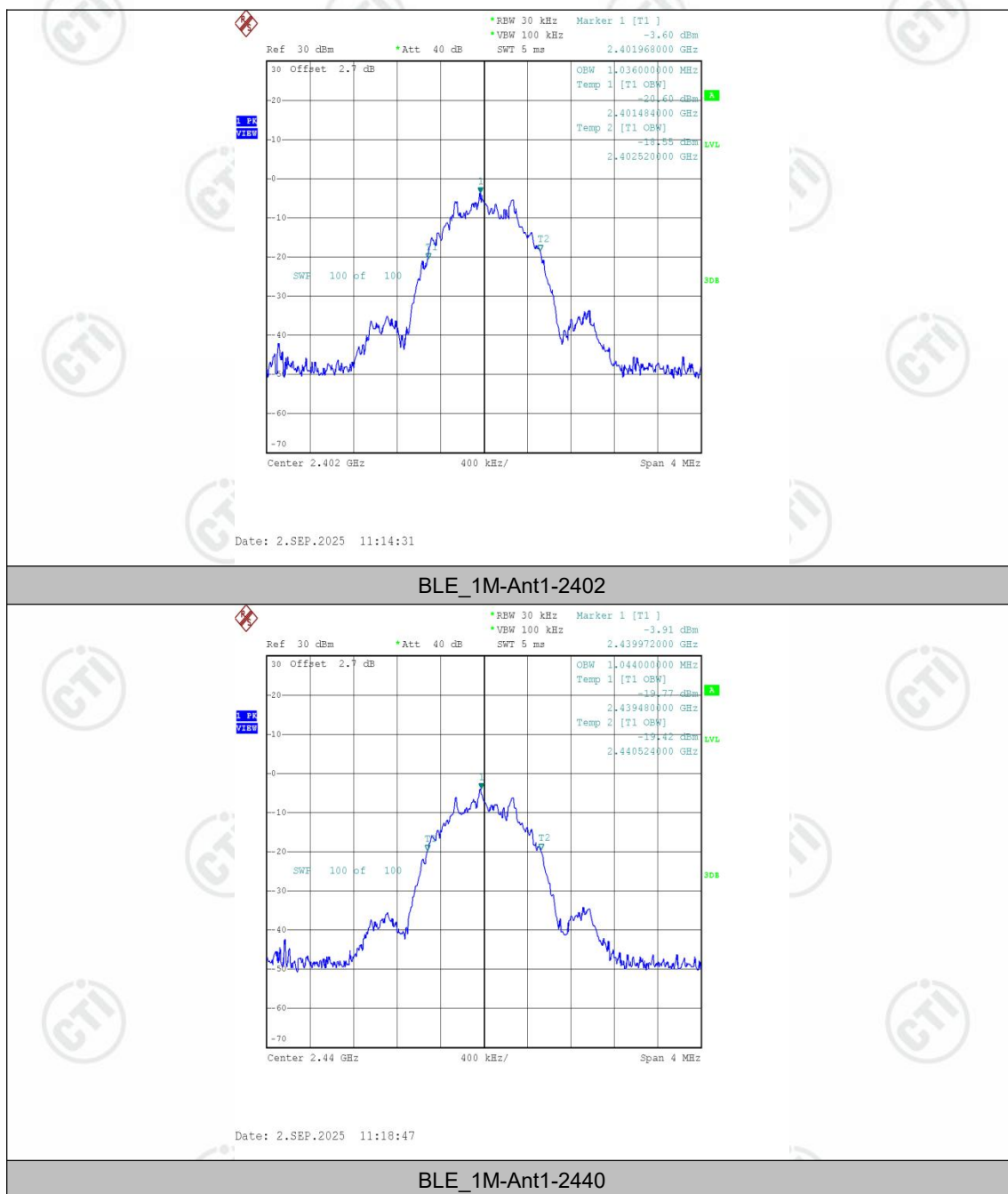


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0360	2401.484	2402.520	---	---
BLE_1M	Ant1	2440	1.0440	2439.480	2440.524	---	---
BLE_1M	Ant1	2480	1.0560	2479.472	2480.528	---	---

Test Graphs



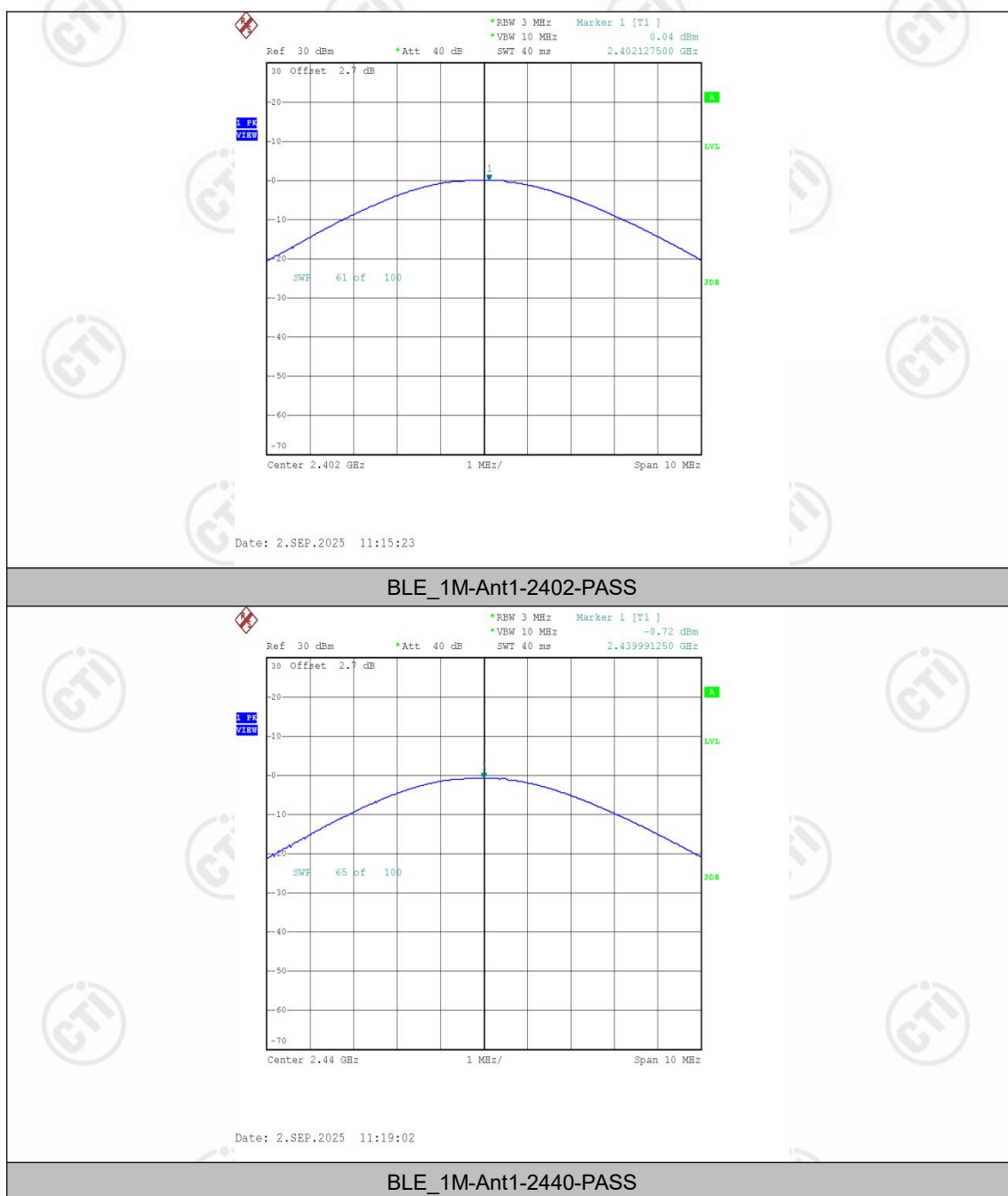


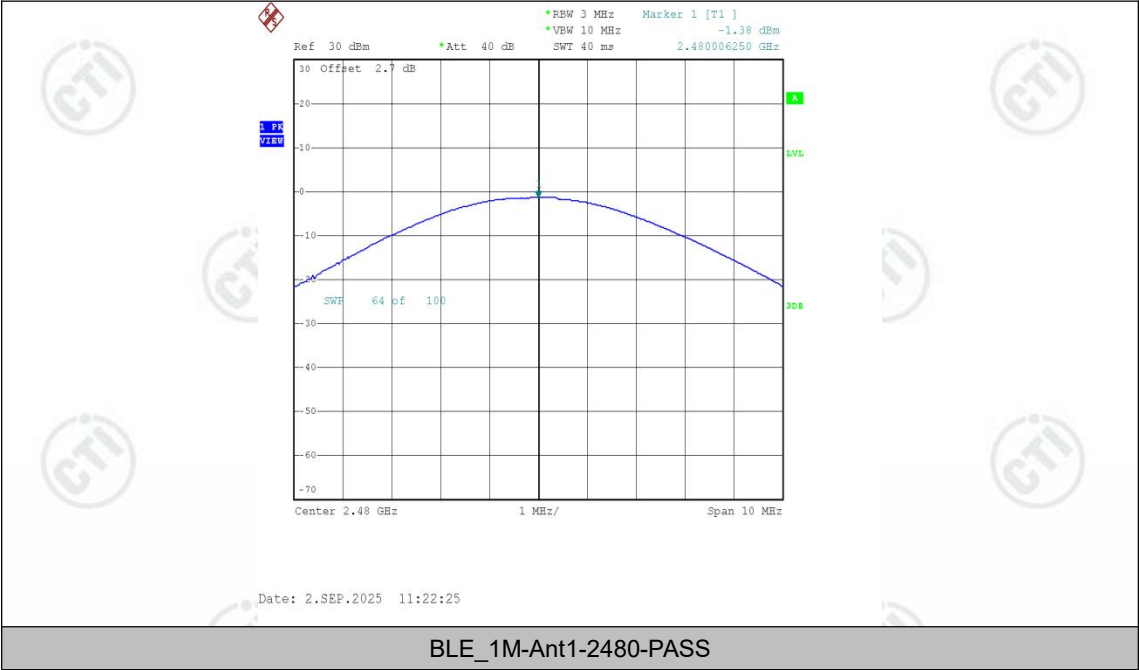
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.04	≤30	-1.34	≤36	PASS
BLE_1M	Ant1	2440	-0.72	≤30	-2.10	≤36	PASS
BLE_1M	Ant1	2480	-1.38	≤30	-2.76	≤36	PASS

Test Graphs Peak



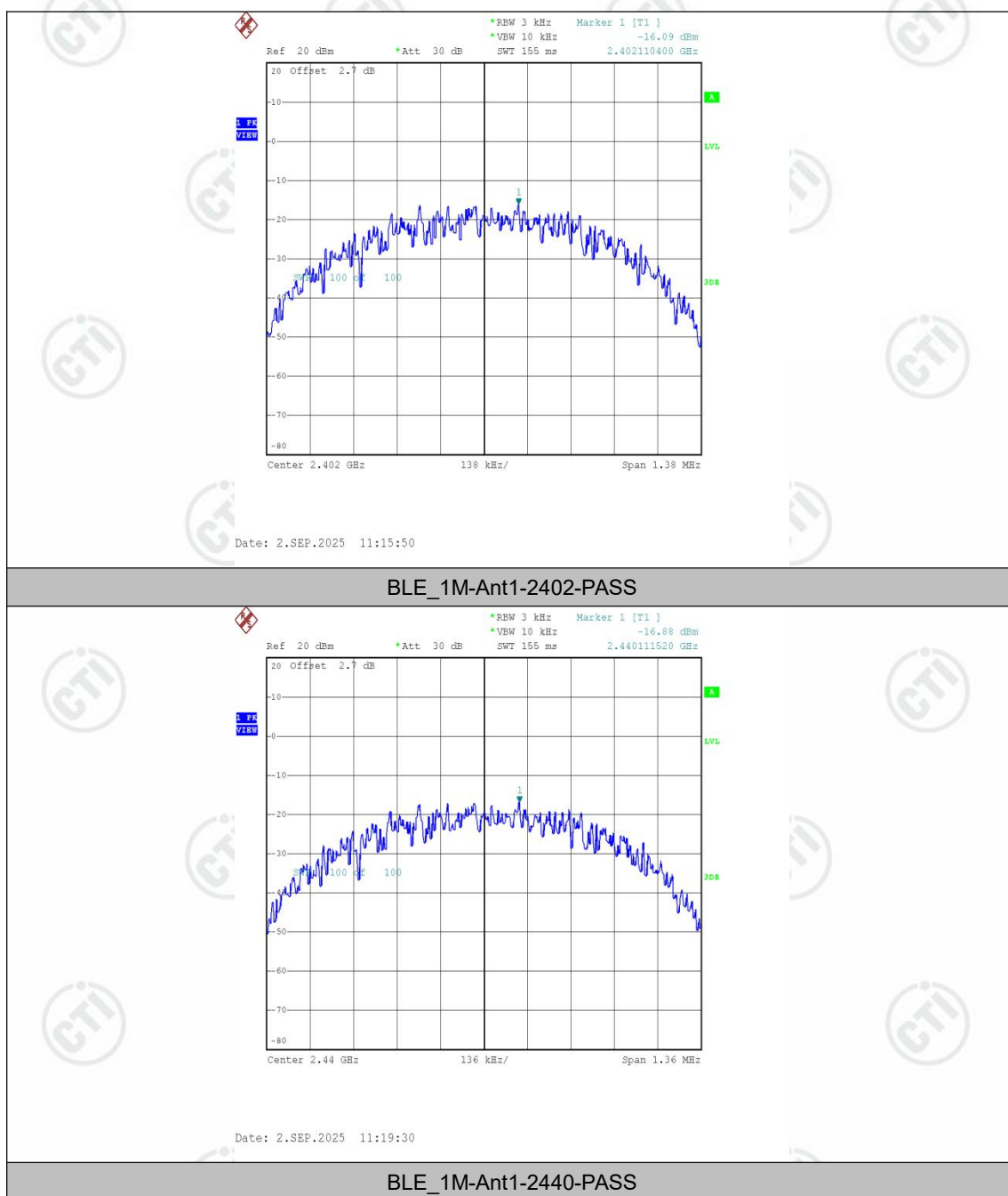


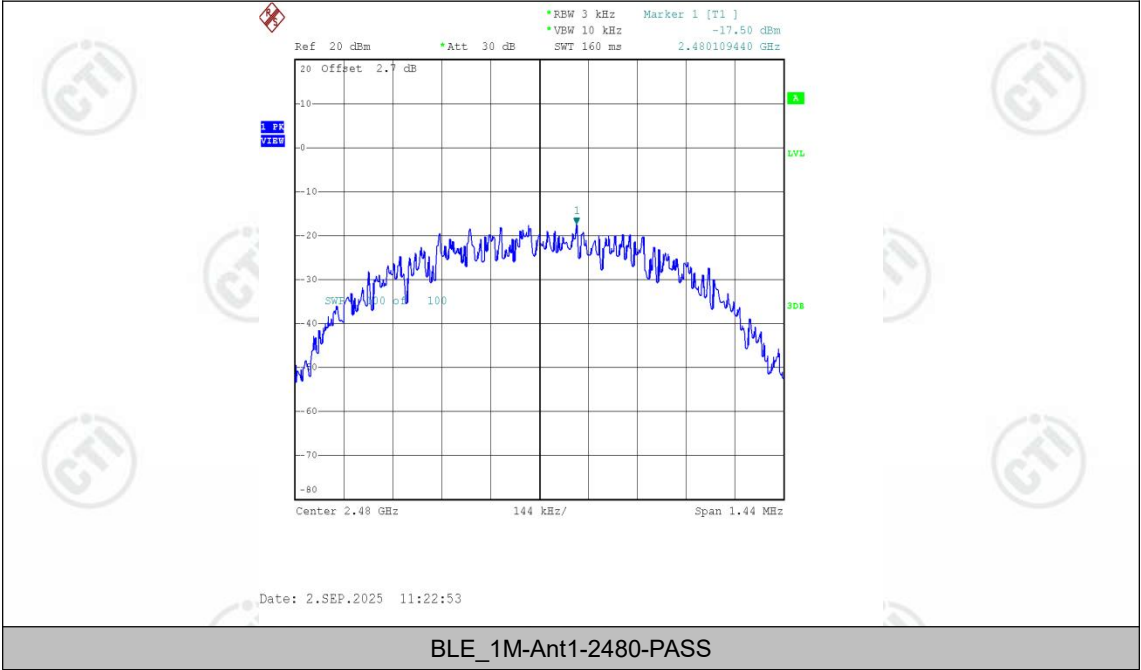
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.09	≤8.00	PASS
BLE_1M	Ant1	2440	-16.88	≤8.00	PASS
BLE_1M	Ant1	2480	-17.50	≤8.00	PASS

Test Graphs



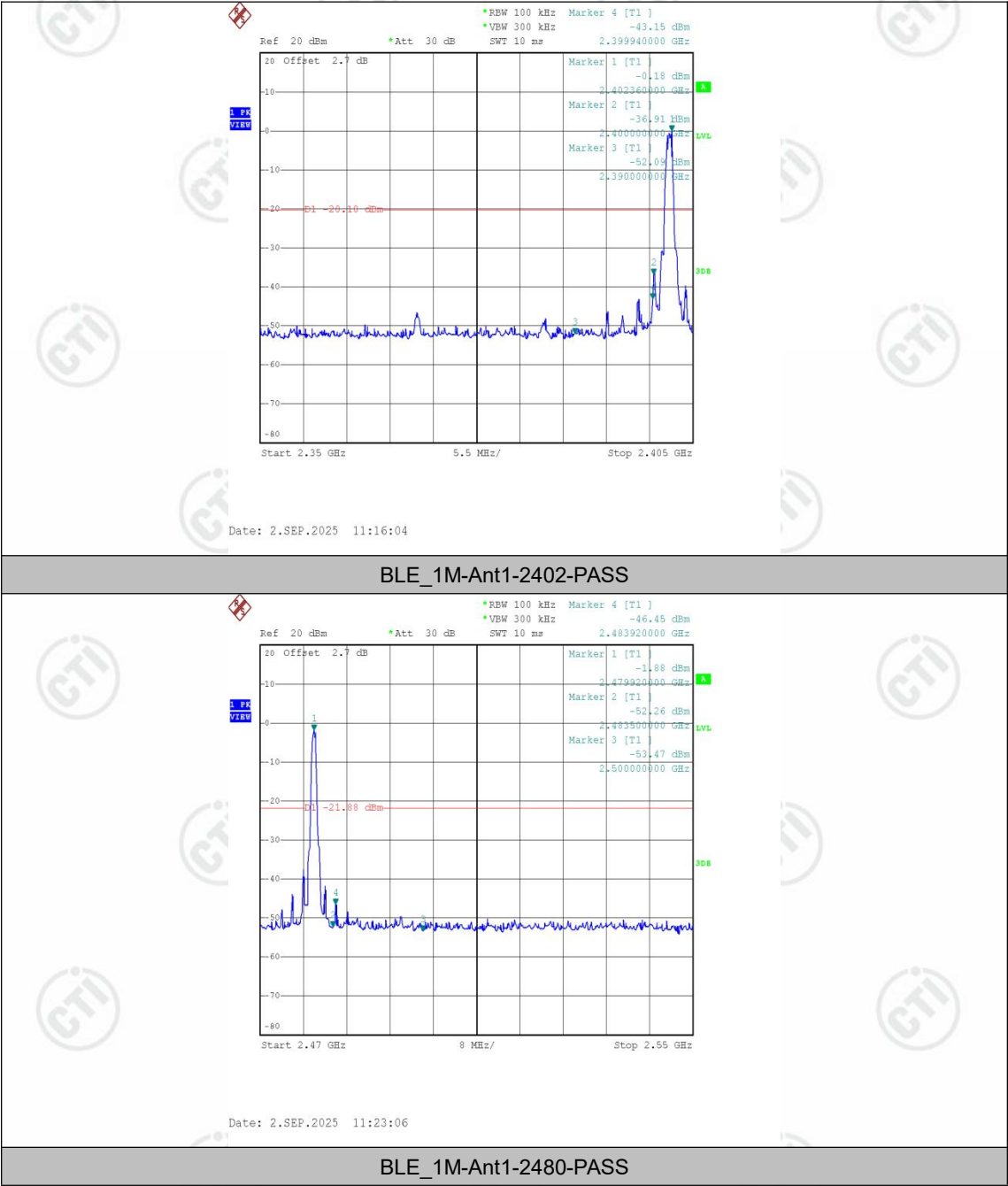


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.18	-43.15	≤-20.18	PASS
BLE_1M	Ant1	High	2480	-1.88	-46.45	≤-21.88	PASS

Test Graphs

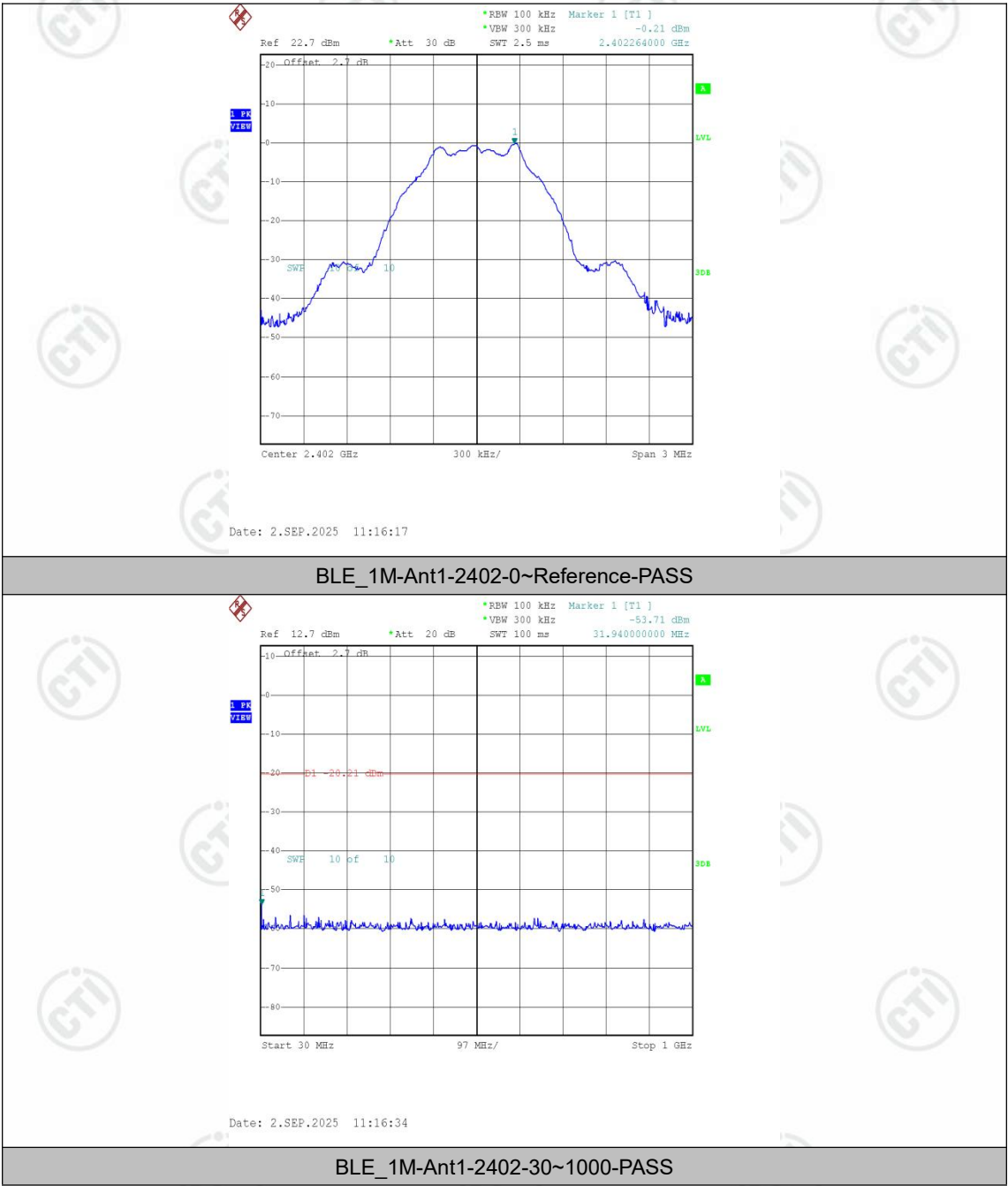


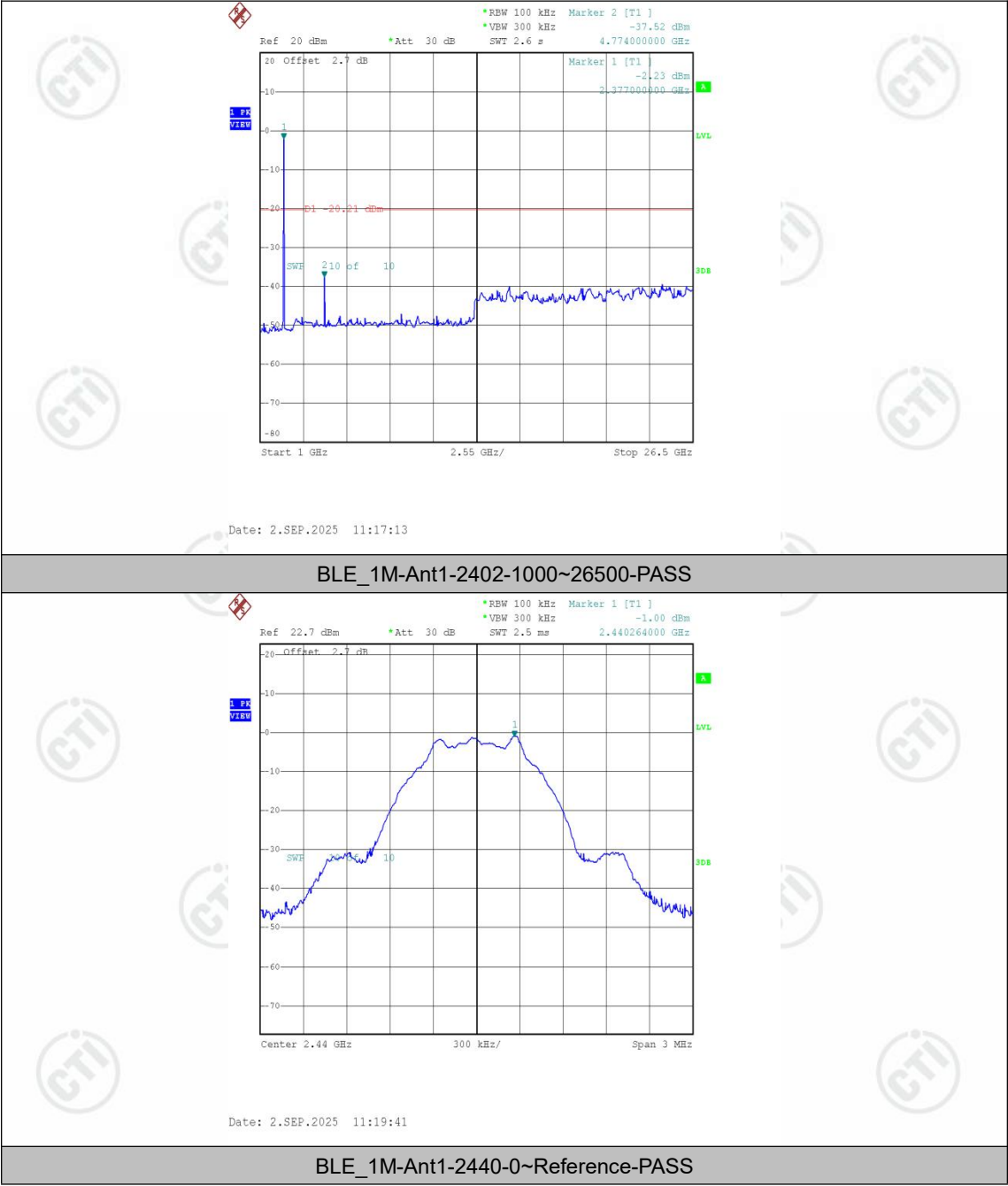
Appendix F: Conducted Spurious Emission

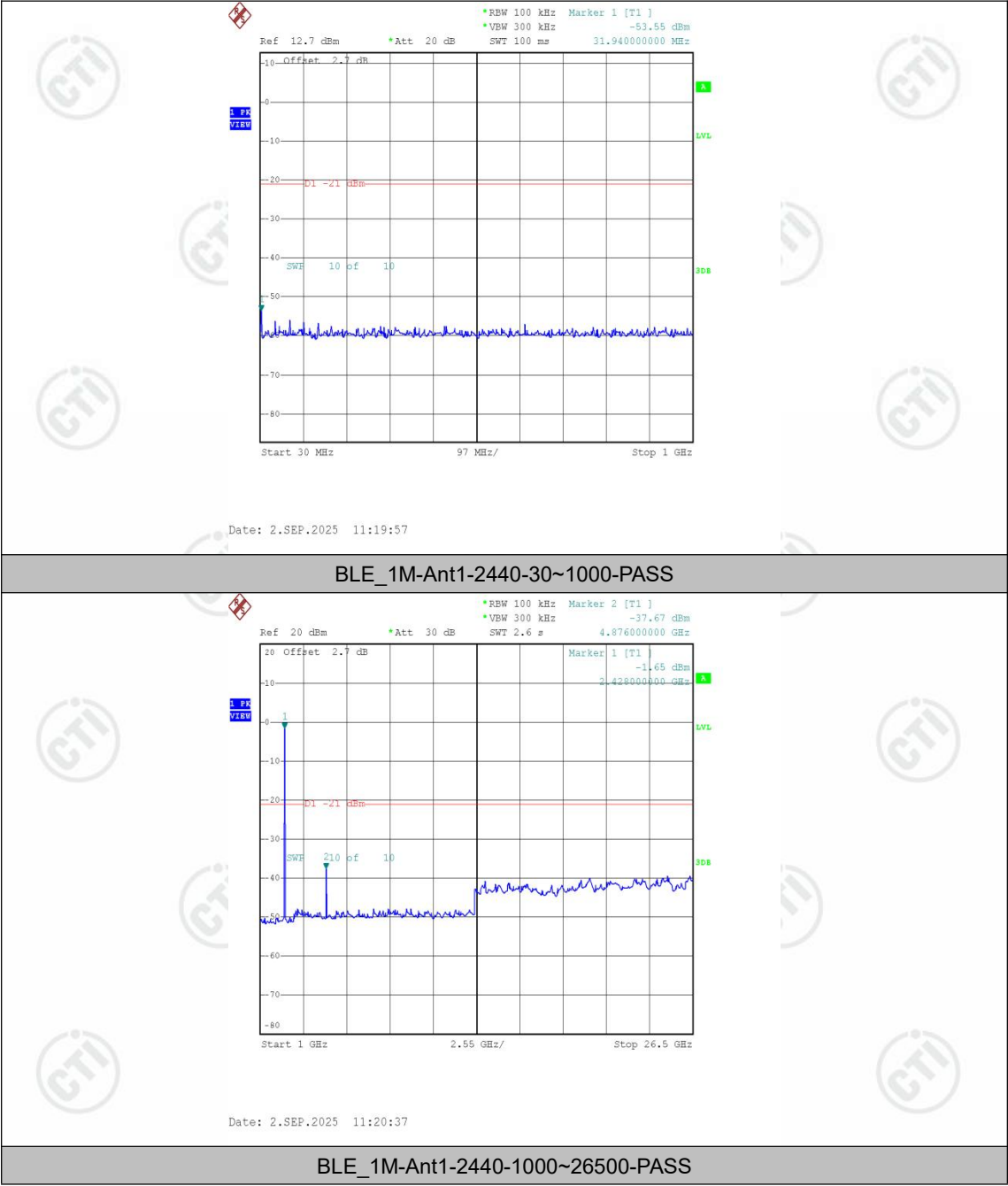
Test Result

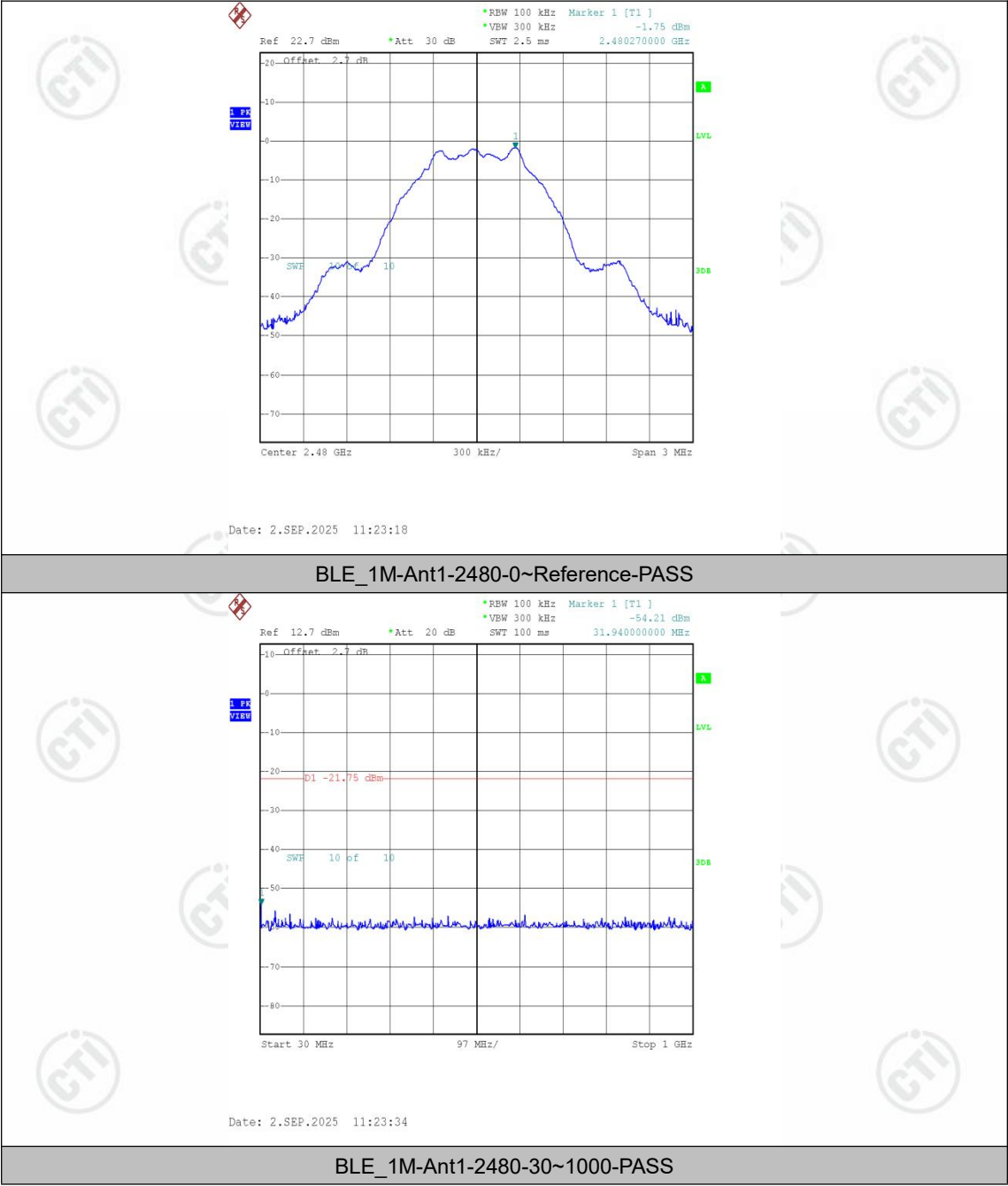
TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-0.21	-0.21	---	PASS
BLE_1M	Ant1	2402	30~1000	-0.21	-53.71	≤-20.21	PASS
BLE_1M	Ant1	2402	1000~26500	-0.21	-37.52	≤-20.21	PASS
BLE_1M	Ant1	2440	0~Reference	-1.00	-1.00	---	PASS
BLE_1M	Ant1	2440	30~1000	-1.00	-53.55	≤-21	PASS
BLE_1M	Ant1	2440	1000~26500	-1.00	-37.67	≤-21	PASS
BLE_1M	Ant1	2480	0~Reference	-1.75	-1.75	---	PASS
BLE_1M	Ant1	2480	30~1000	-1.75	-54.21	≤-21.75	PASS
BLE_1M	Ant1	2480	1000~26500	-1.75	-38.91	≤-21.75	PASS

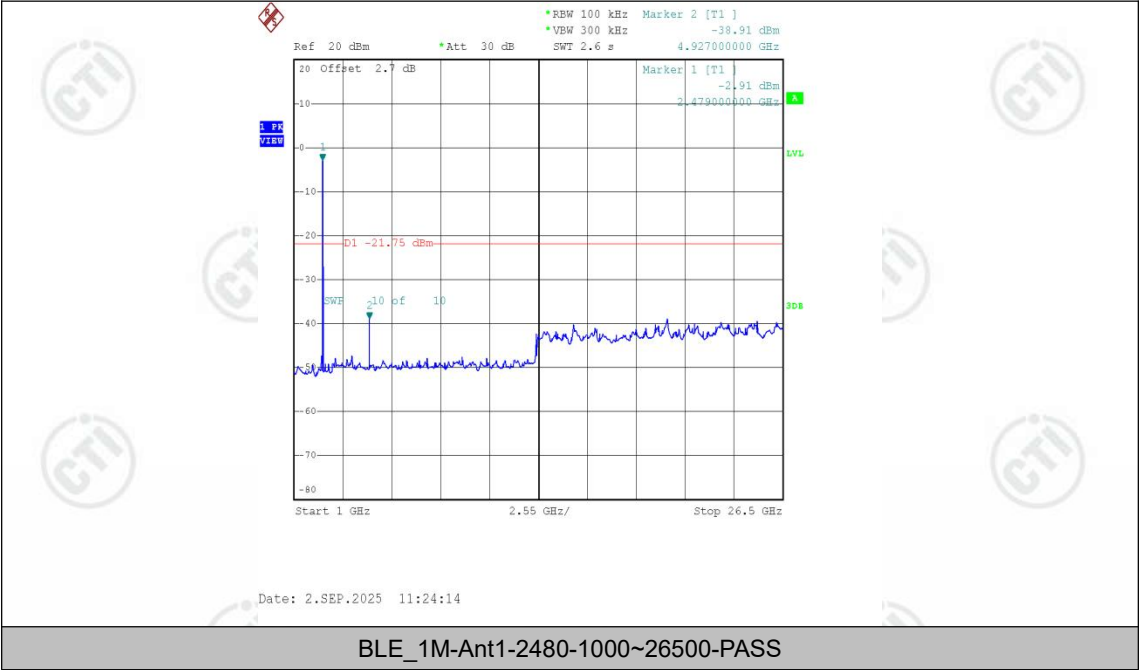
Test Graphs









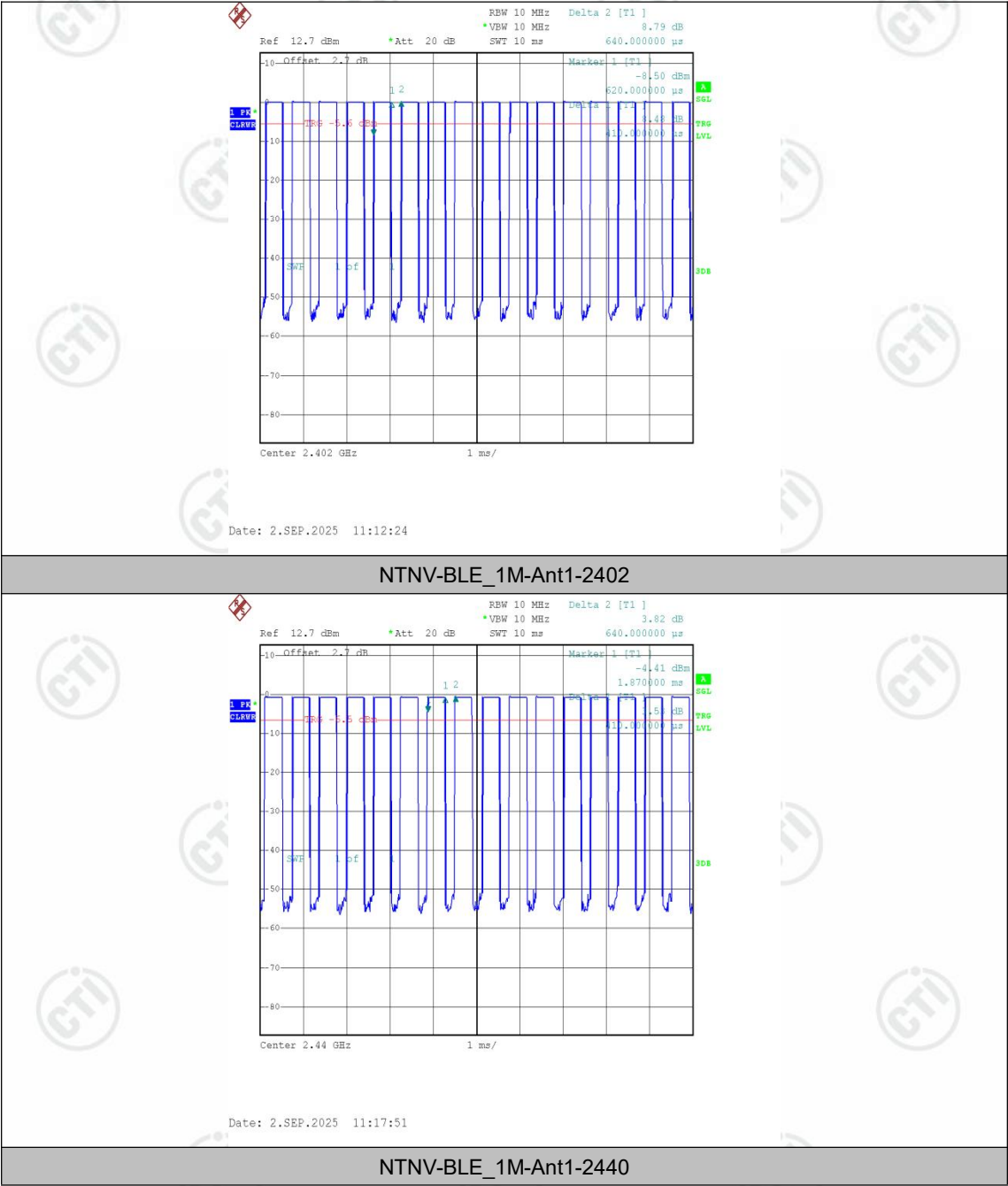


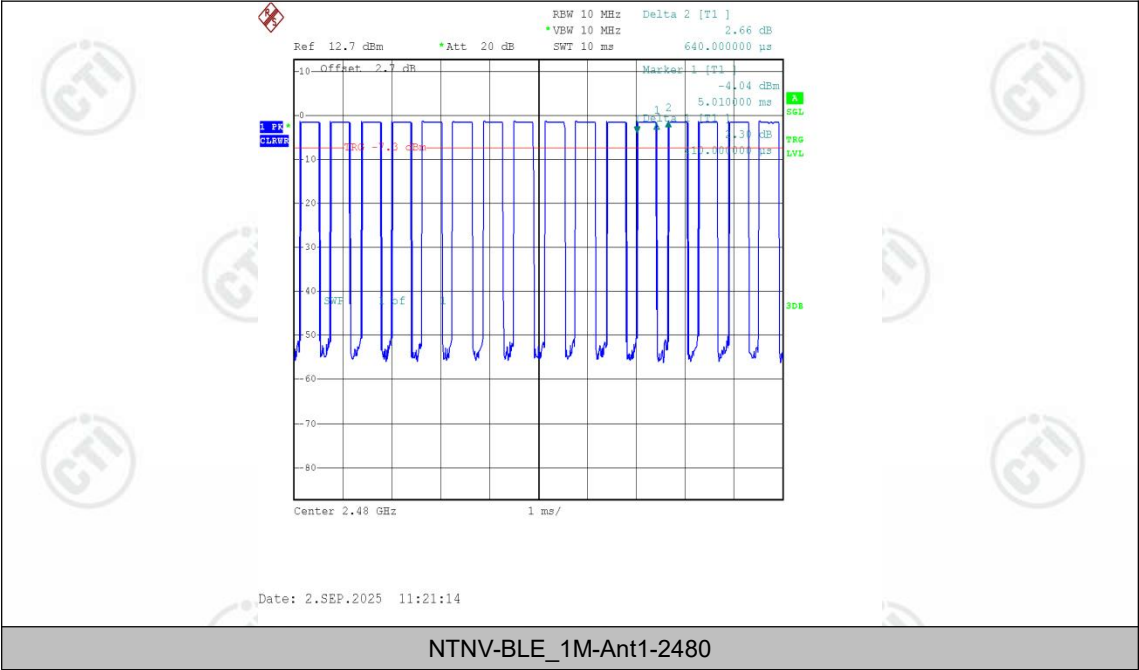
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.41	0.64	64.06	1.93
BLE_1M	Ant1	2440	0.41	0.64	64.06	1.93
BLE_1M	Ant1	2480	0.41	0.64	64.06	1.93

Test Graphs





*** End of Report ***