

Appendix: Bluetooth LE

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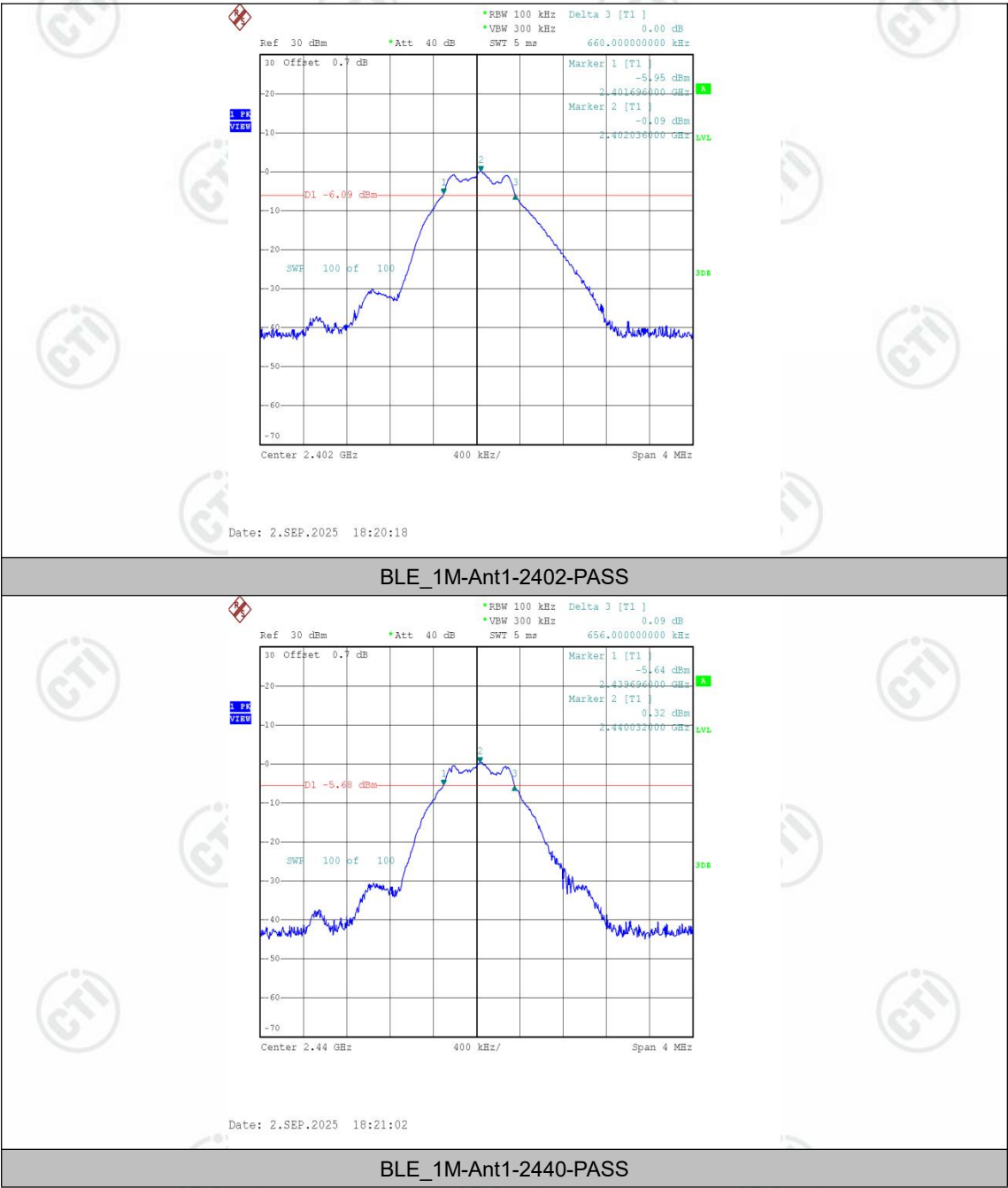
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Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.66	2401.70	2402.36	0.5	PASS
BLE_1M	Ant1	2440	0.66	2439.70	2440.35	0.5	PASS
BLE_1M	Ant1	2480	0.65	2479.70	2480.36	0.5	PASS

Test Graphs



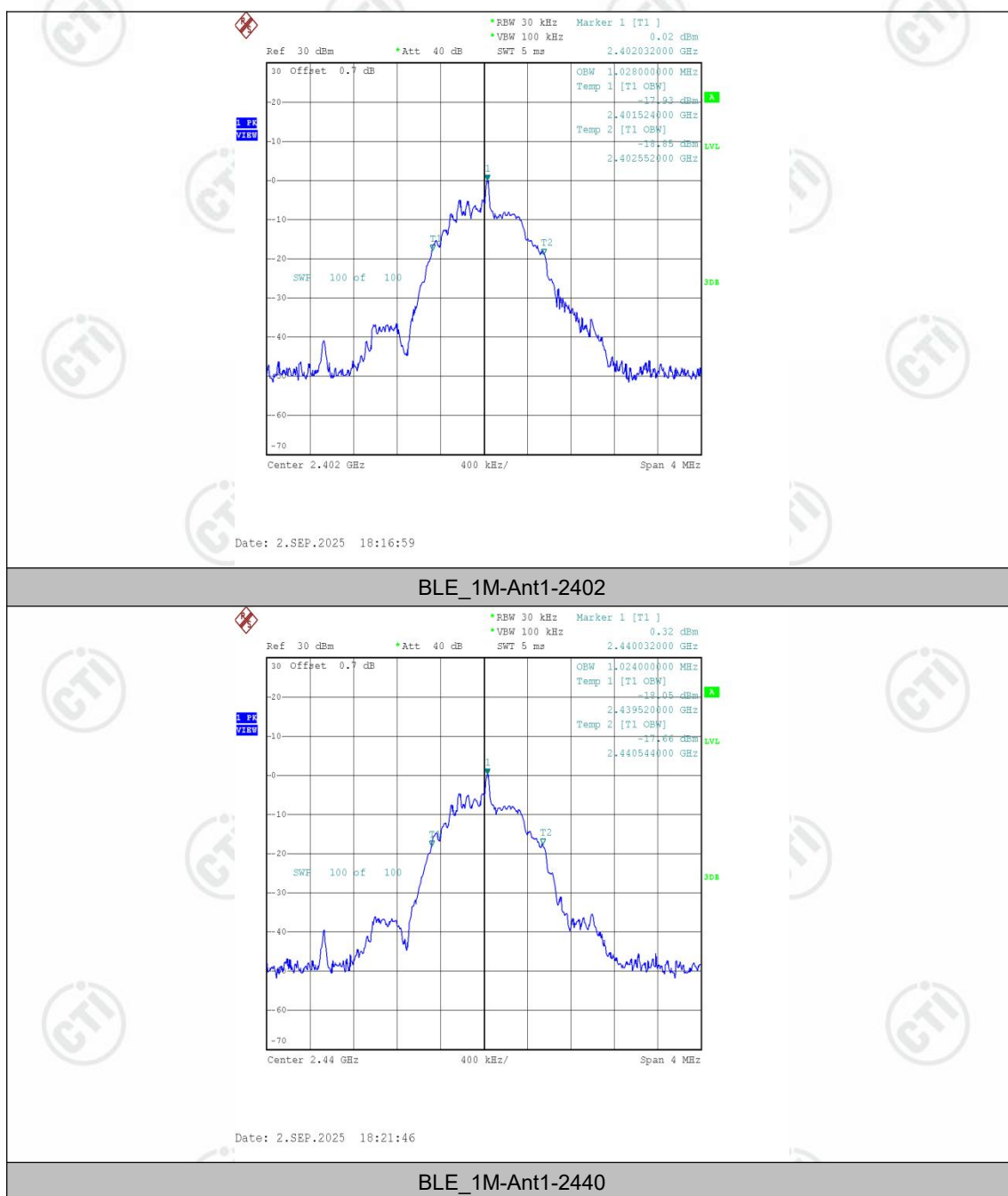


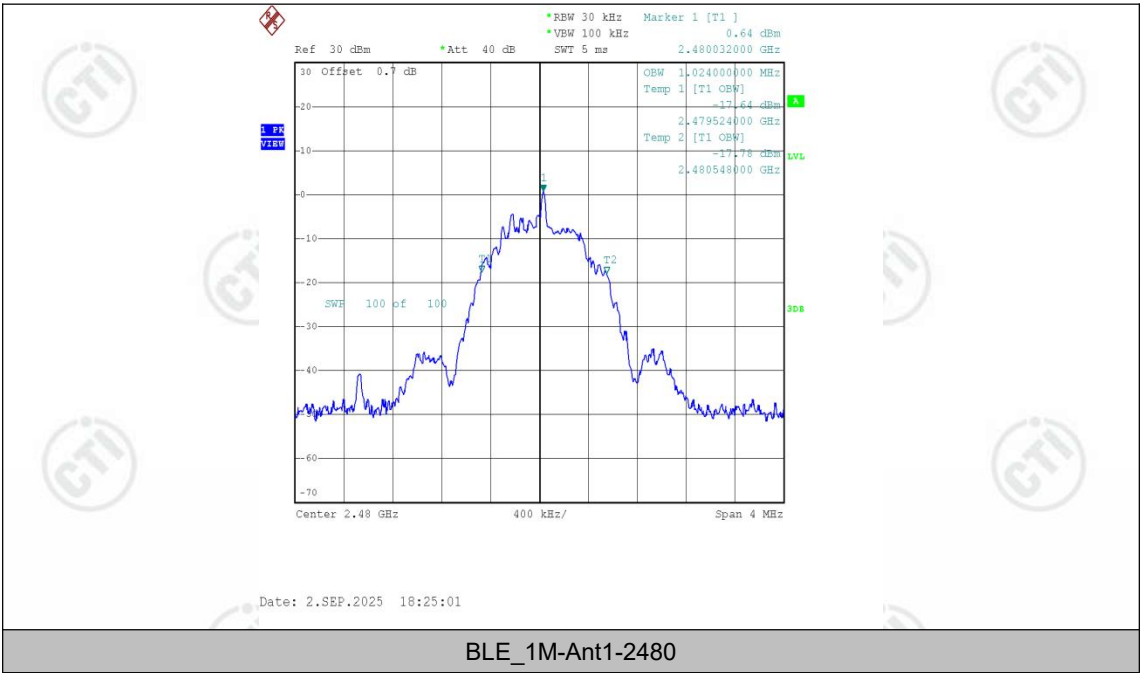
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0280	2401.524	2402.552	---	---
BLE_1M	Ant1	2440	1.0240	2439.520	2440.544	---	---
BLE_1M	Ant1	2480	1.0240	2479.524	2480.548	---	---

Test Graphs



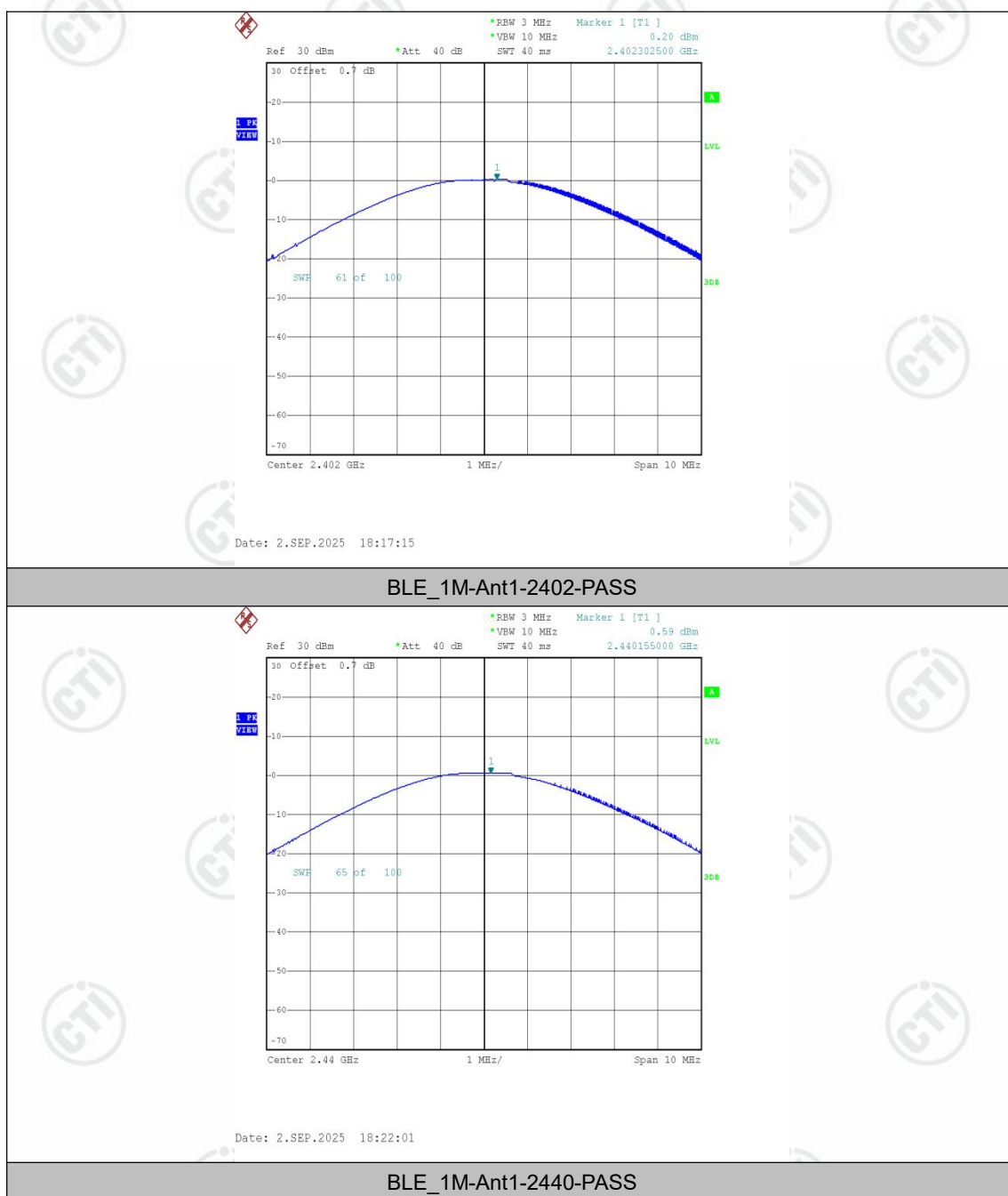


Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.20	≤30	1.23	≤36	PASS
BLE_1M	Ant1	2440	0.59	≤30	1.62	≤36	PASS
BLE_1M	Ant1	2480	0.78	≤30	1.81	≤36	PASS

Test Graphs Peak



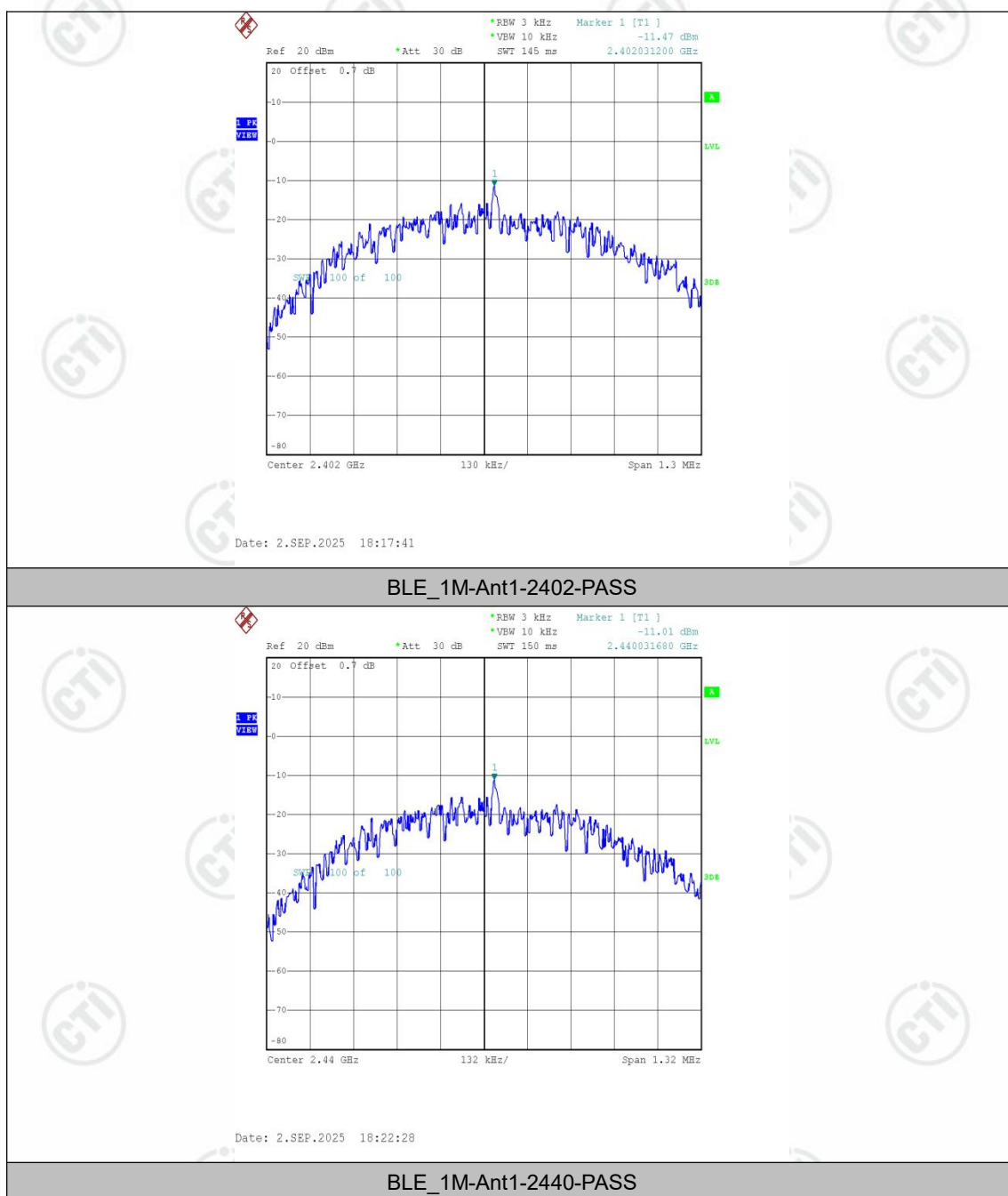


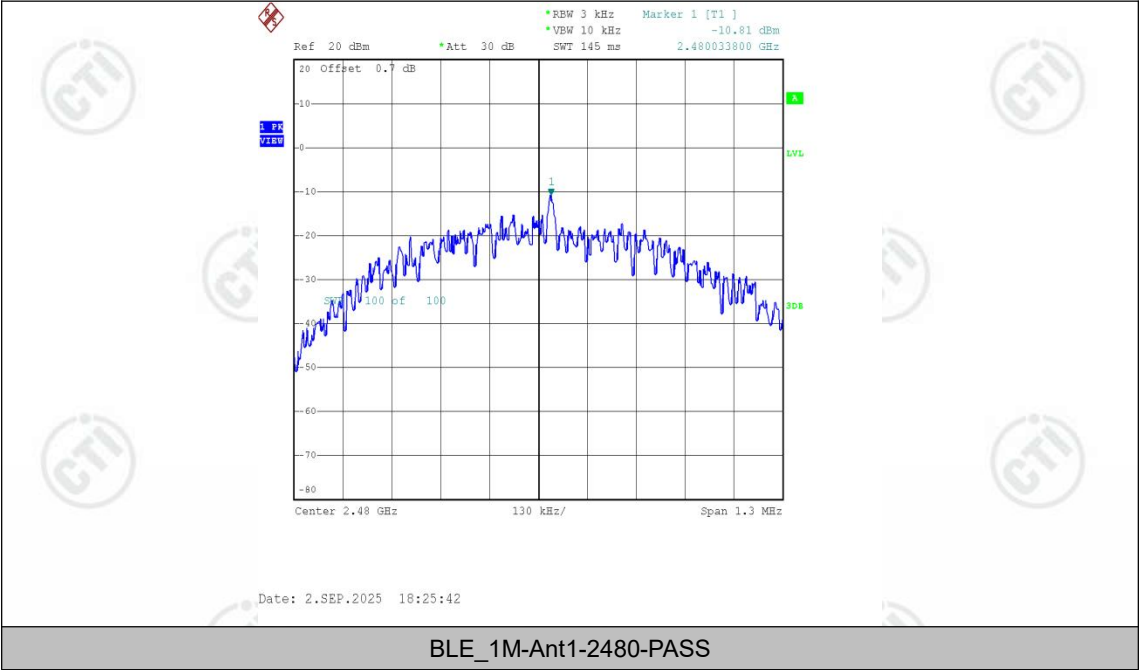
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.47	≤8.00	PASS
BLE_1M	Ant1	2440	-11.01	≤8.00	PASS
BLE_1M	Ant1	2480	-10.81	≤8.00	PASS

Test Graphs



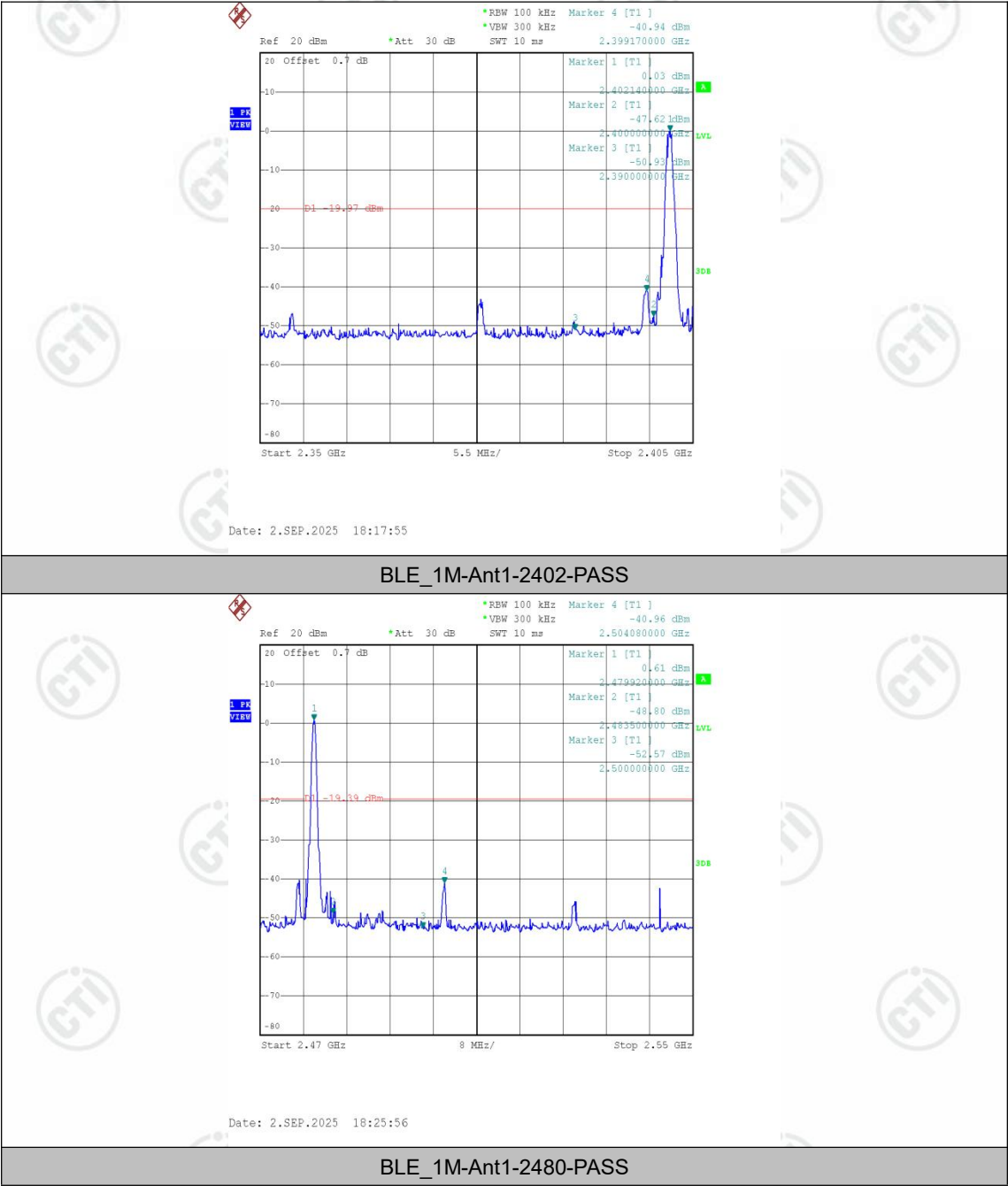


Appendix F: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.03	-40.94	≤-19.97	PASS
BLE_1M	Ant1	High	2480	0.61	-40.96	≤-19.39	PASS

Test Graphs

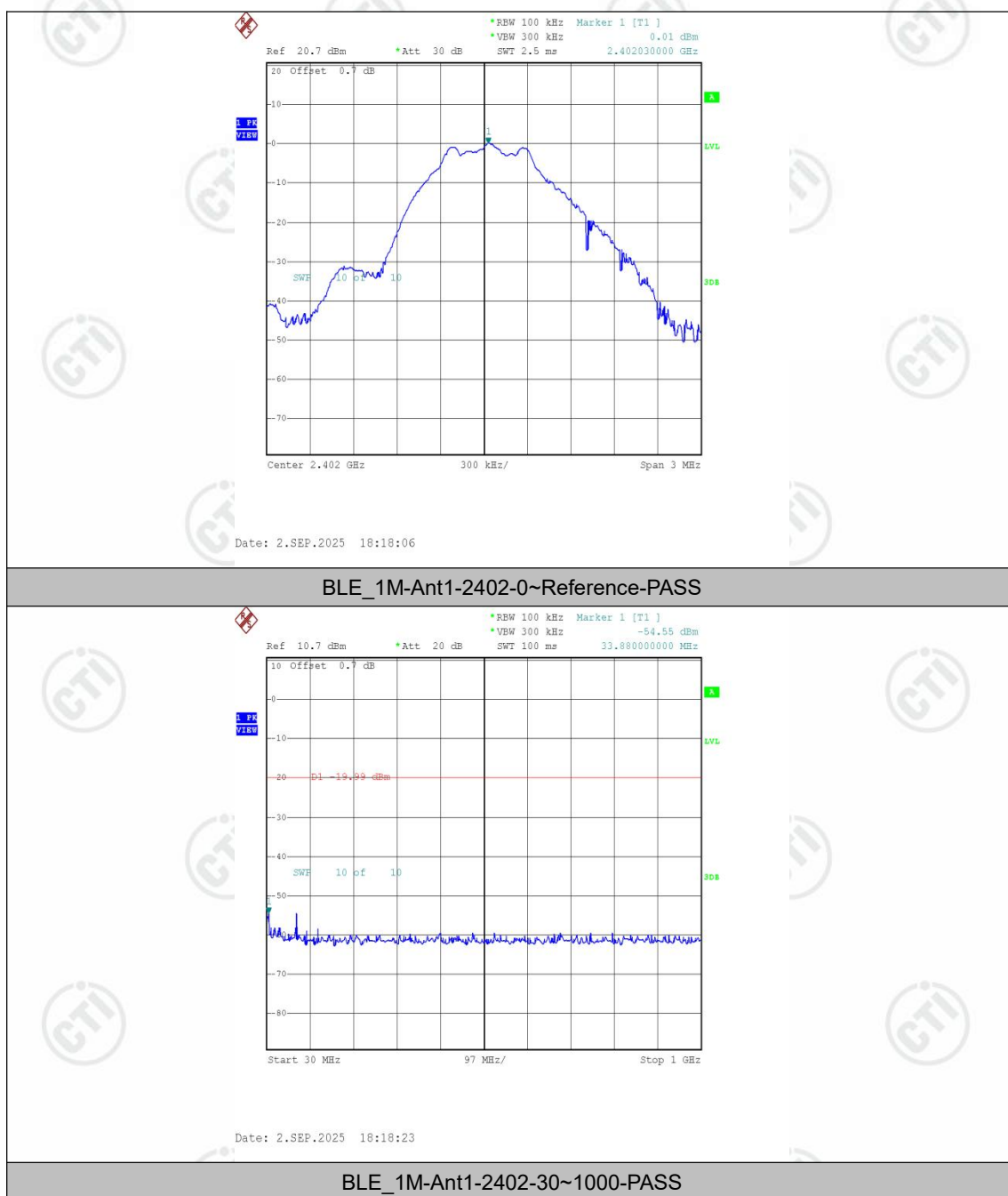


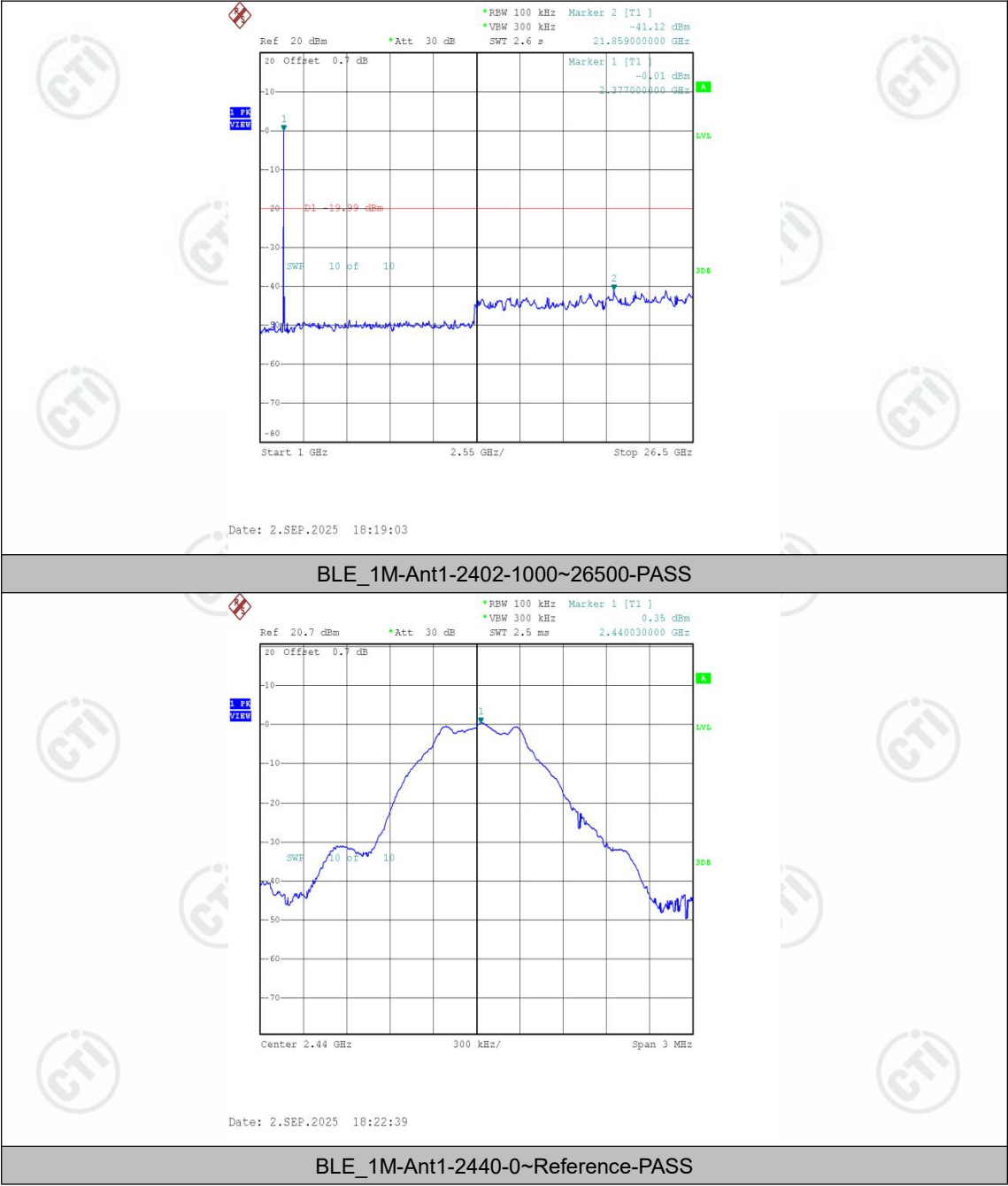
Appendix G: Conducted Spurious Emission

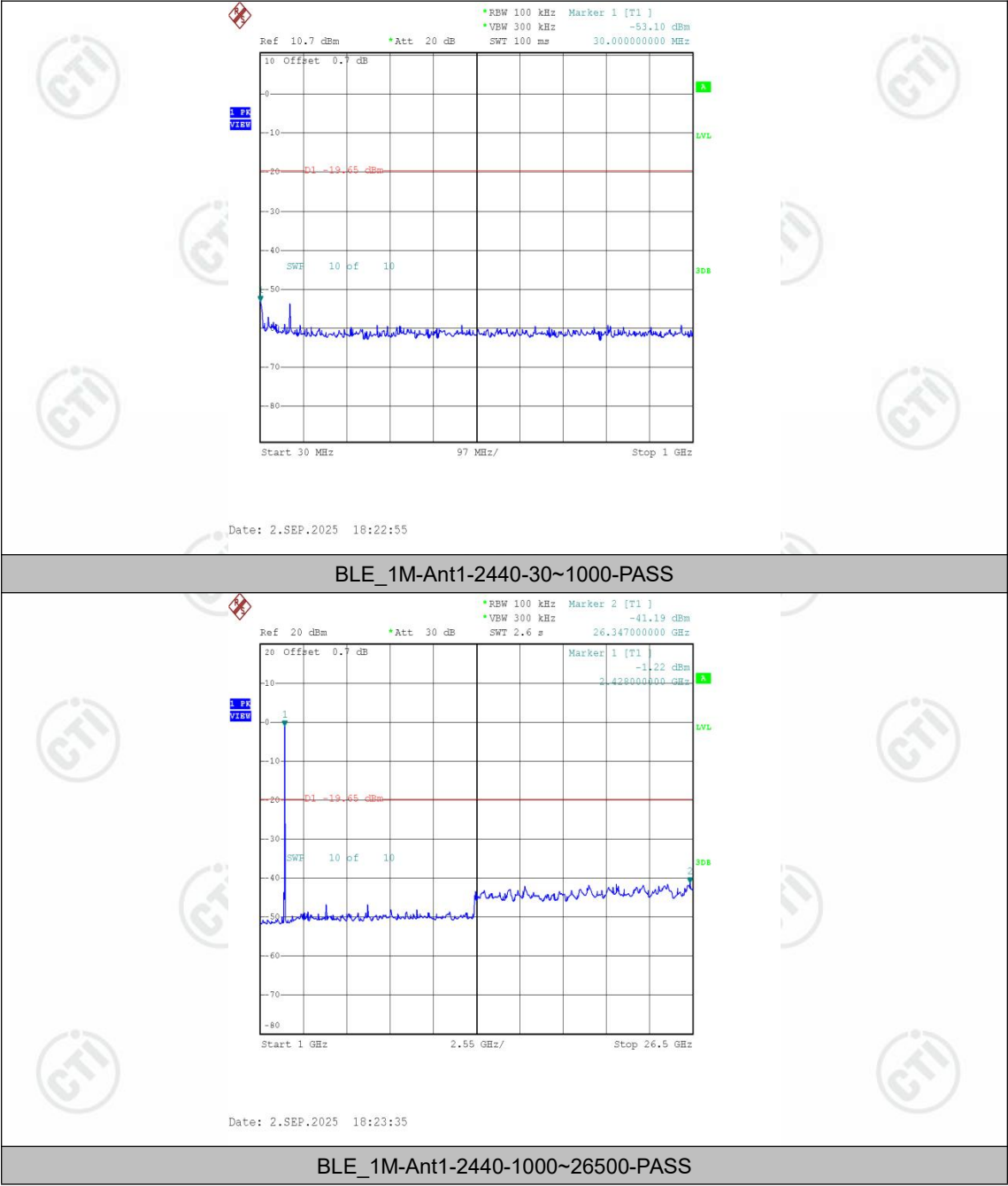
Test Result

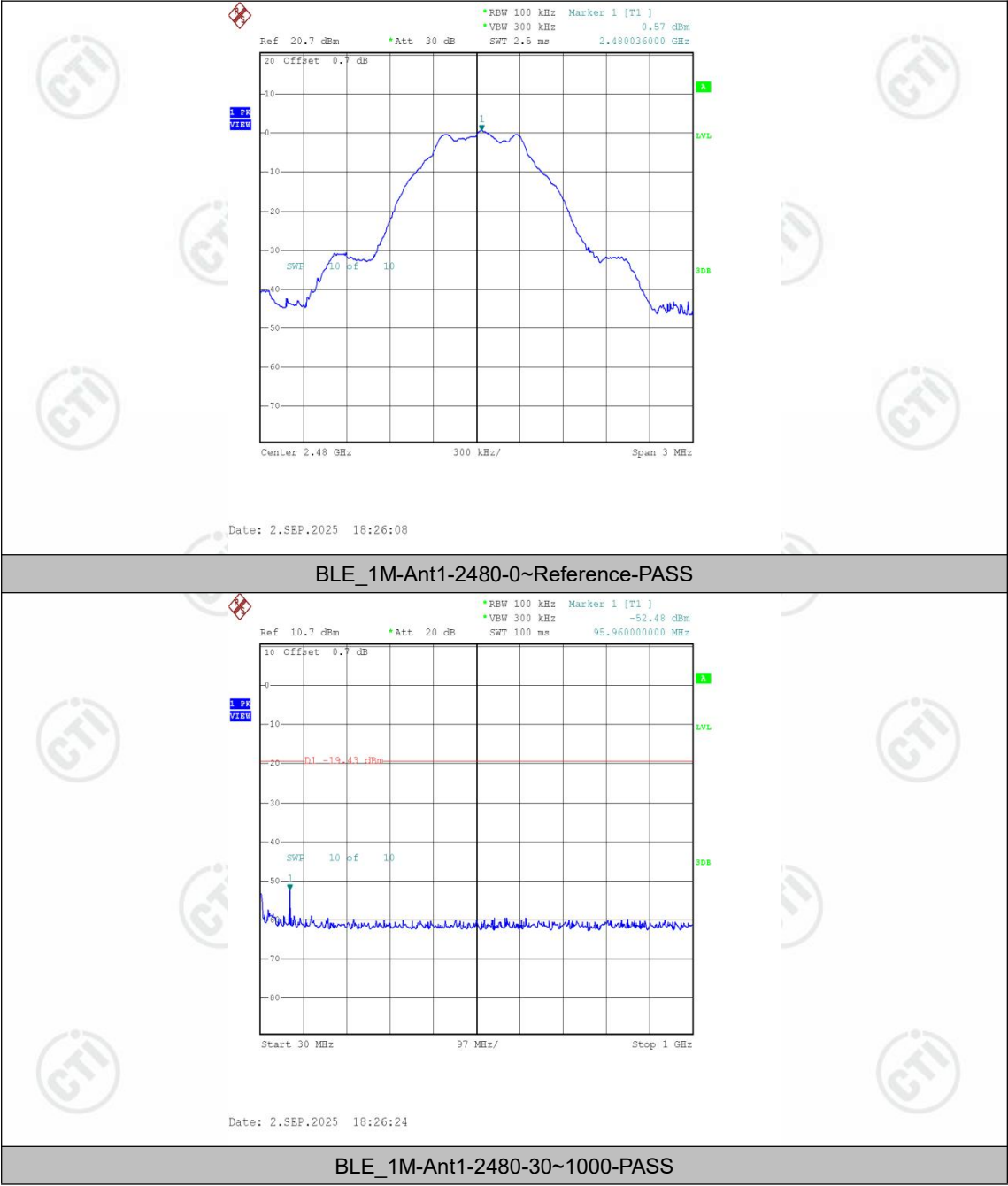
TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	0.01	0.01	---	PASS
BLE_1M	Ant1	2402	30~1000	0.01	-54.55	≤-19.99	PASS
BLE_1M	Ant1	2402	1000~26500	0.01	-41.12	≤-19.99	PASS
BLE_1M	Ant1	2440	0~Reference	0.35	0.35	---	PASS
BLE_1M	Ant1	2440	30~1000	0.35	-53.1	≤-19.65	PASS
BLE_1M	Ant1	2440	1000~26500	0.35	-41.19	≤-19.65	PASS
BLE_1M	Ant1	2480	0~Reference	0.57	0.57	---	PASS
BLE_1M	Ant1	2480	30~1000	0.57	-52.48	≤-19.43	PASS
BLE_1M	Ant1	2480	1000~26500	0.57	-41.25	≤-19.43	PASS

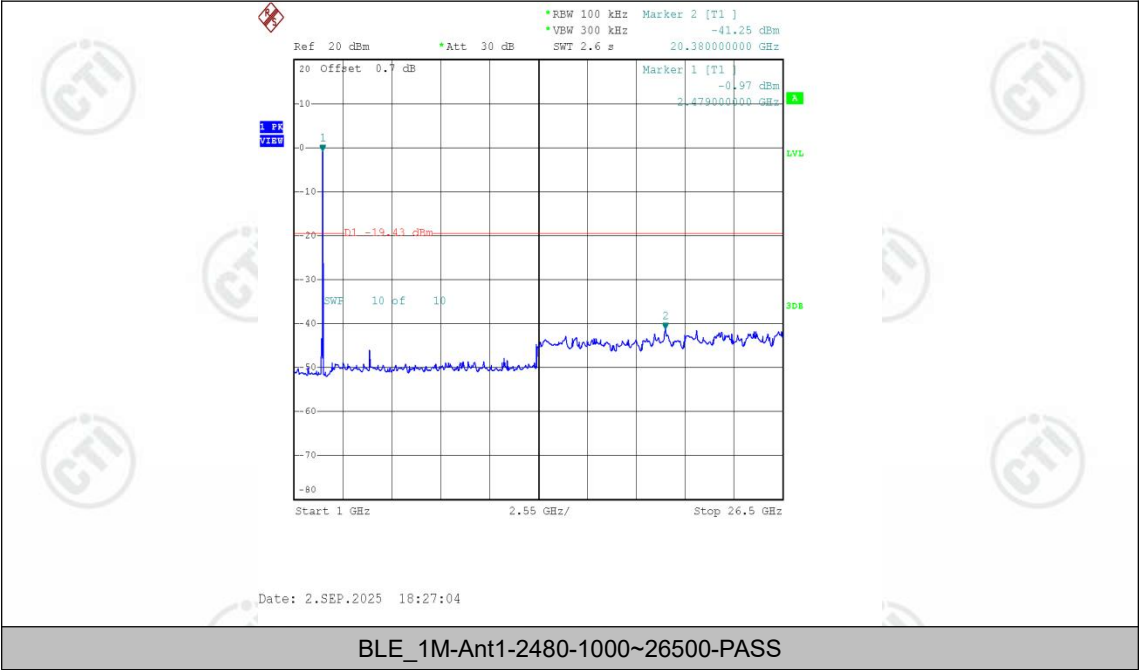
Test Graphs









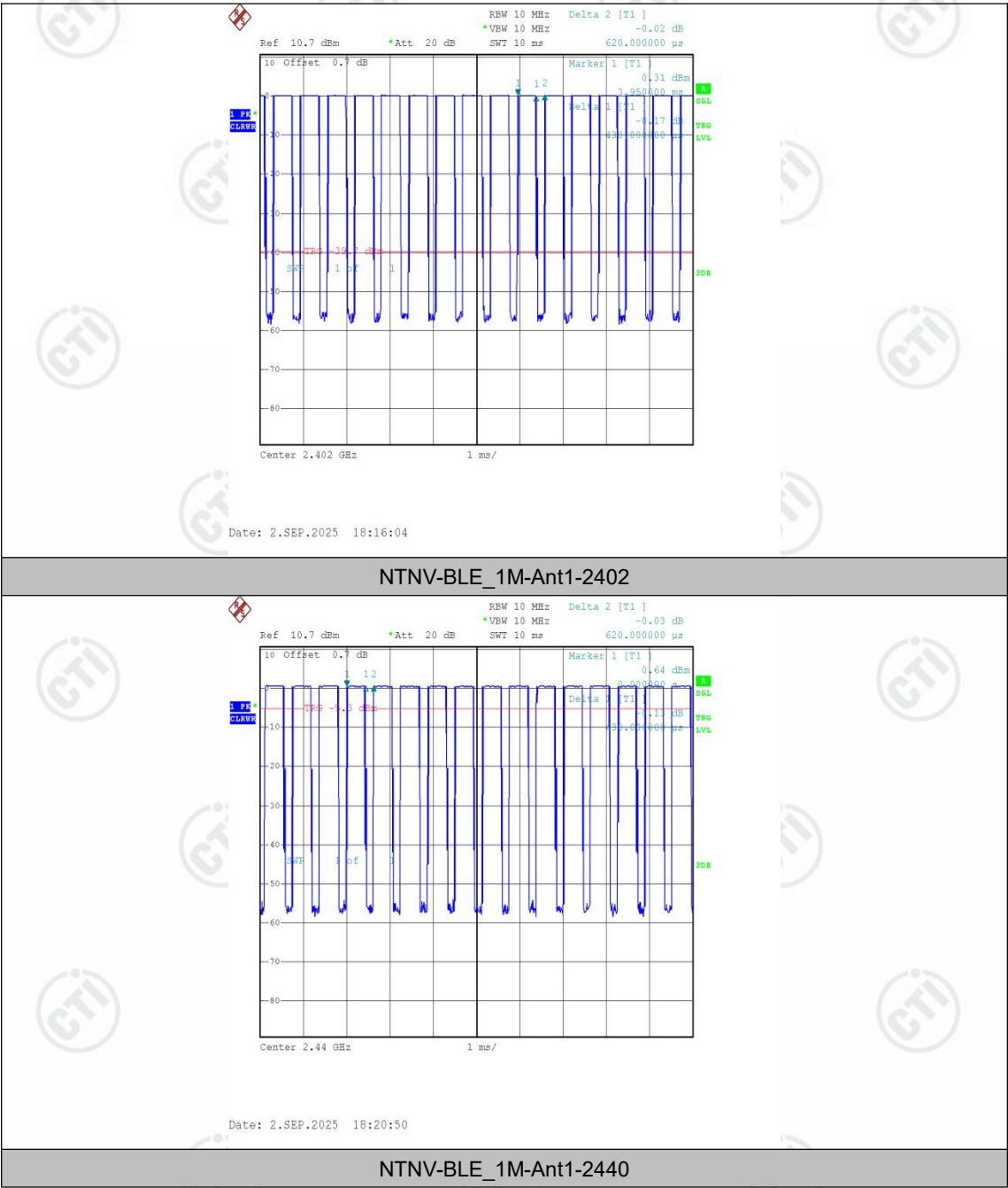


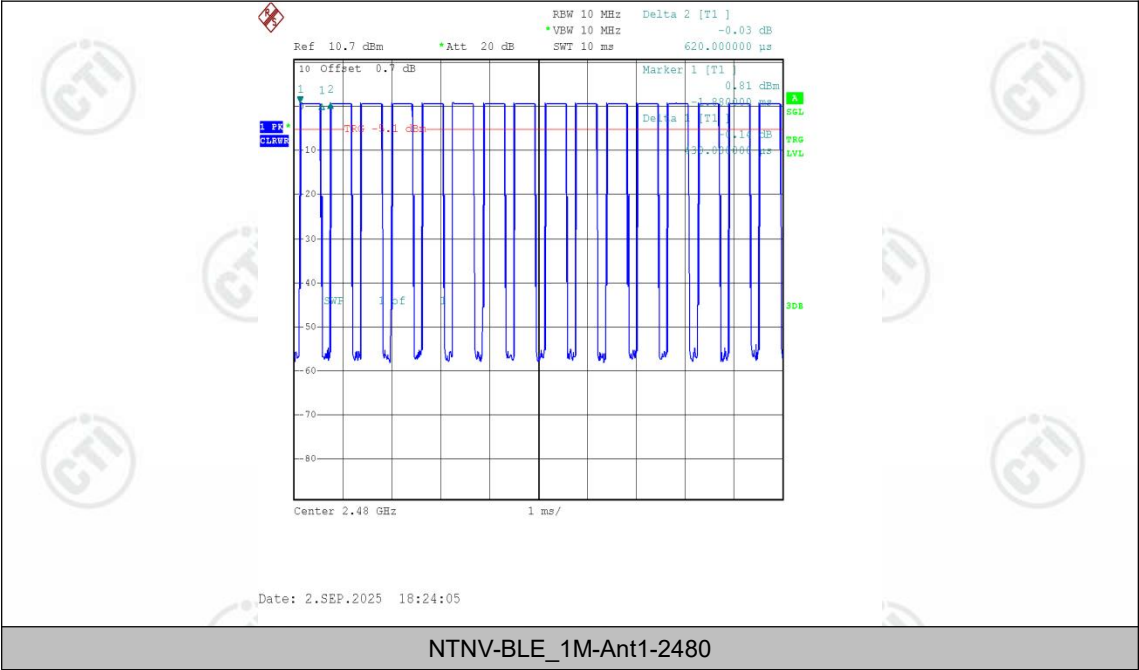
Appendix H: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.43	0.62	69.35	1.59
BLE_1M	Ant1	2440	0.43	0.62	69.35	1.59
BLE_1M	Ant1	2480	0.43	0.62	69.35	1.59

Test Graphs





*** End of Report ***