

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	0.70	2401.72	2402.42	0.5	PASS
BLE_1M	Ant1	2440	0.70	2439.72	2440.42	0.5	PASS
BLE_1M	Ant1	2480	0.70	2479.71	2480.41	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	1.0221	2401.5665	2402.5885	---	---
BLE_1M	Ant1	2440	1.0239	2439.5632	2440.5871	---	---
BLE_1M	Ant1	2480	1.0264	2479.5611	2480.5875	---	---

Test Graphs





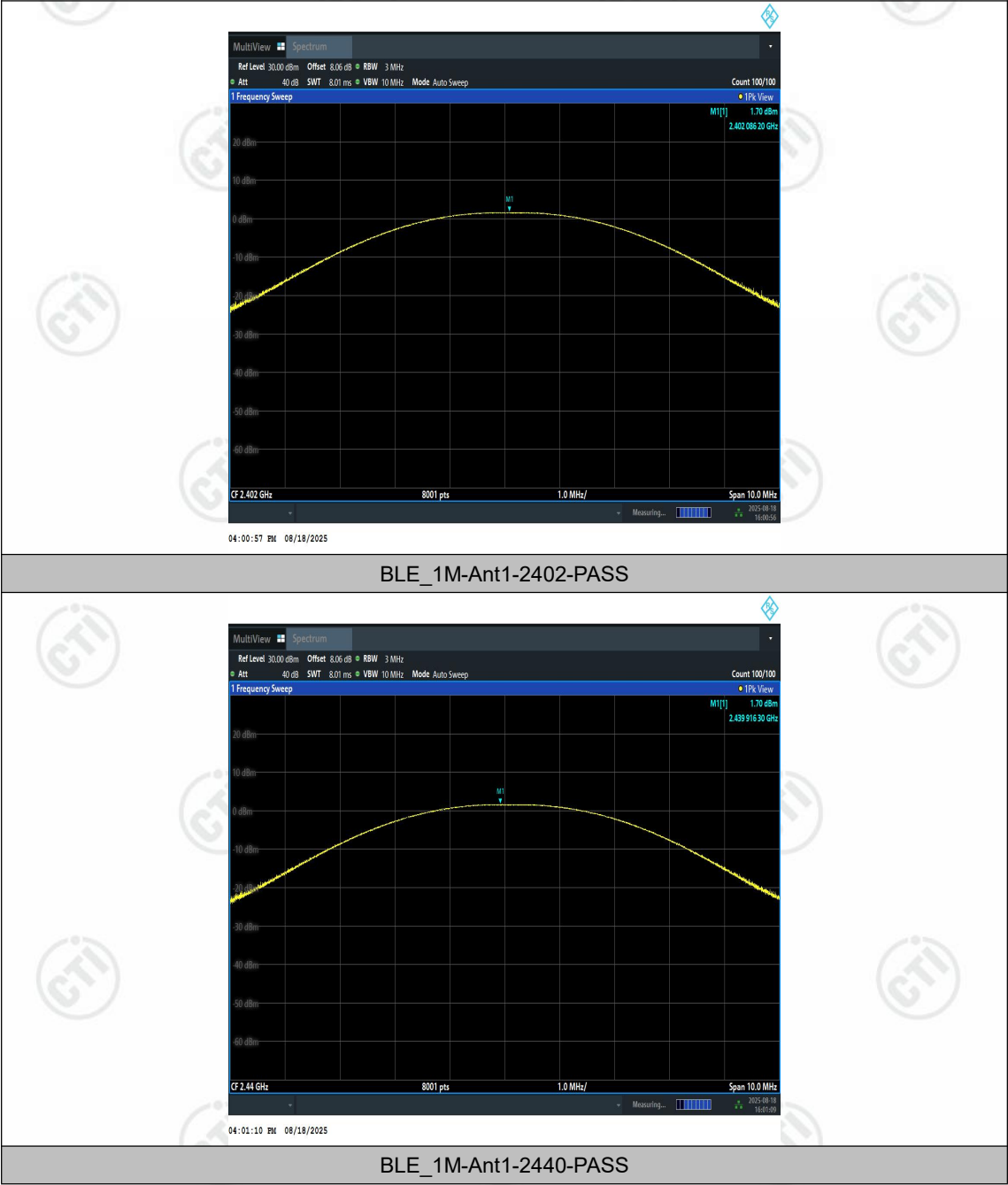
BLE_1M-Ant1-2480

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	1.70	≤30	1.12	≤36	PASS
BLE_1M	Ant1	2440	1.70	≤30	1.12	≤36	PASS
BLE_1M	Ant1	2480	1.31	≤30	0.73	≤36	PASS

Test Graphs Peak



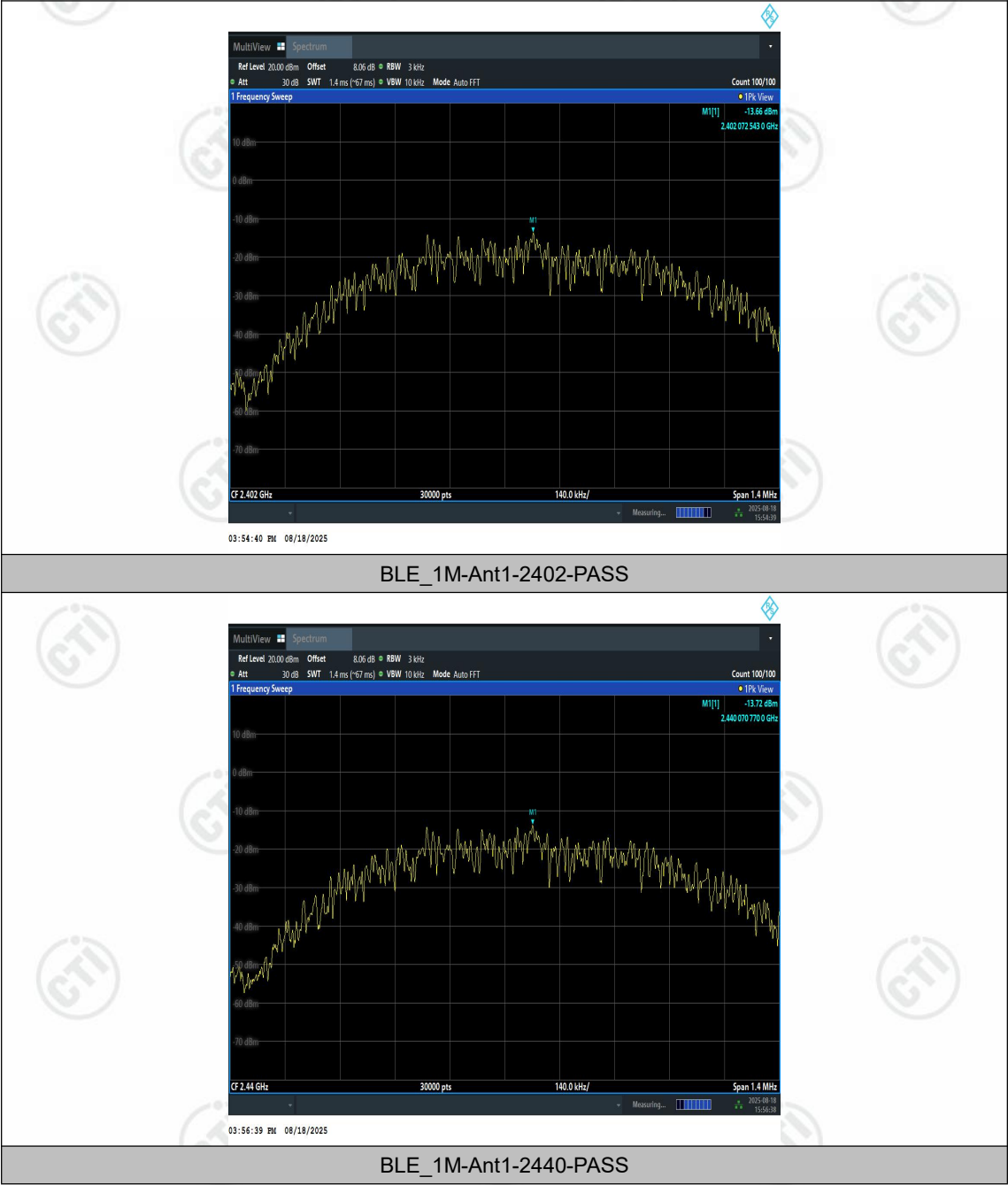


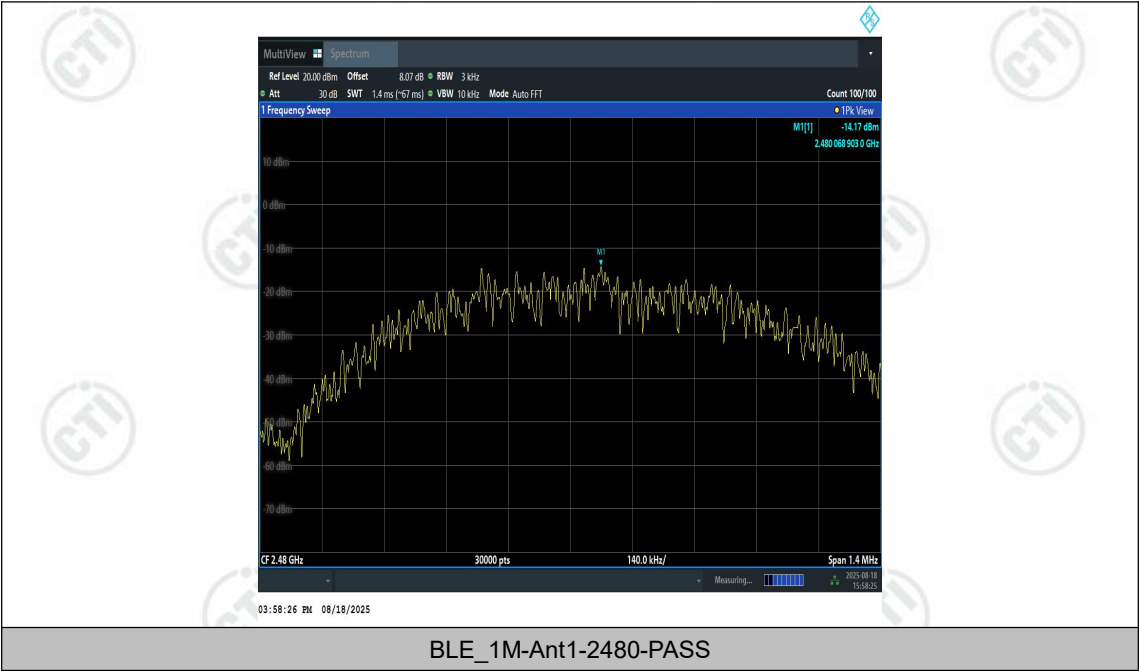
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.66	≤8.00	PASS
BLE_1M	Ant1	2440	-13.72	≤8.00	PASS
BLE_1M	Ant1	2480	-14.17	≤8.00	PASS

Test Graphs



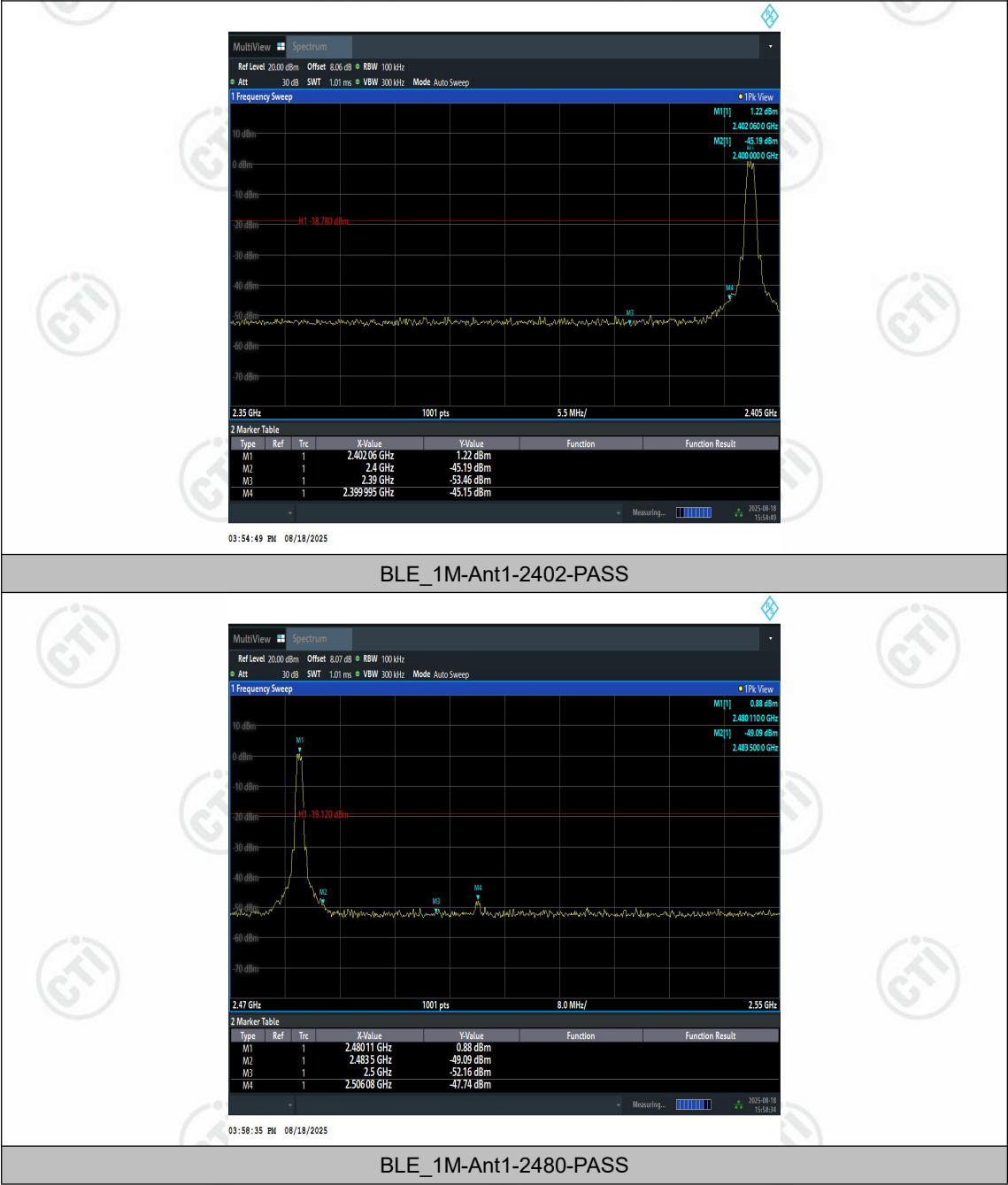


Appendix F: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.22	-45.15	≤-18.78	PASS
BLE_1M	Ant1	High	2480	0.88	-47.74	≤-19.12	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	1.26	1.26	---	PASS
BLE_1M	Ant1	2402	30~1000	1.26	-59.14	≤-18.74	PASS
BLE_1M	Ant1	2402	1000~26500	1.26	-27.71	≤-18.74	PASS
BLE_1M	Ant1	2440	0~Reference	1.34	1.34	---	PASS
BLE_1M	Ant1	2440	30~1000	1.34	-59.43	≤-18.66	PASS
BLE_1M	Ant1	2440	1000~26500	1.34	-27	≤-18.66	PASS
BLE_1M	Ant1	2480	0~Reference	0.88	0.88	---	PASS
BLE_1M	Ant1	2480	30~1000	0.88	-58.9	≤-19.12	PASS
BLE_1M	Ant1	2480	1000~26500	0.88	-27.43	≤-19.12	PASS

Test Graphs

