

Appendix: Bluetooth LE

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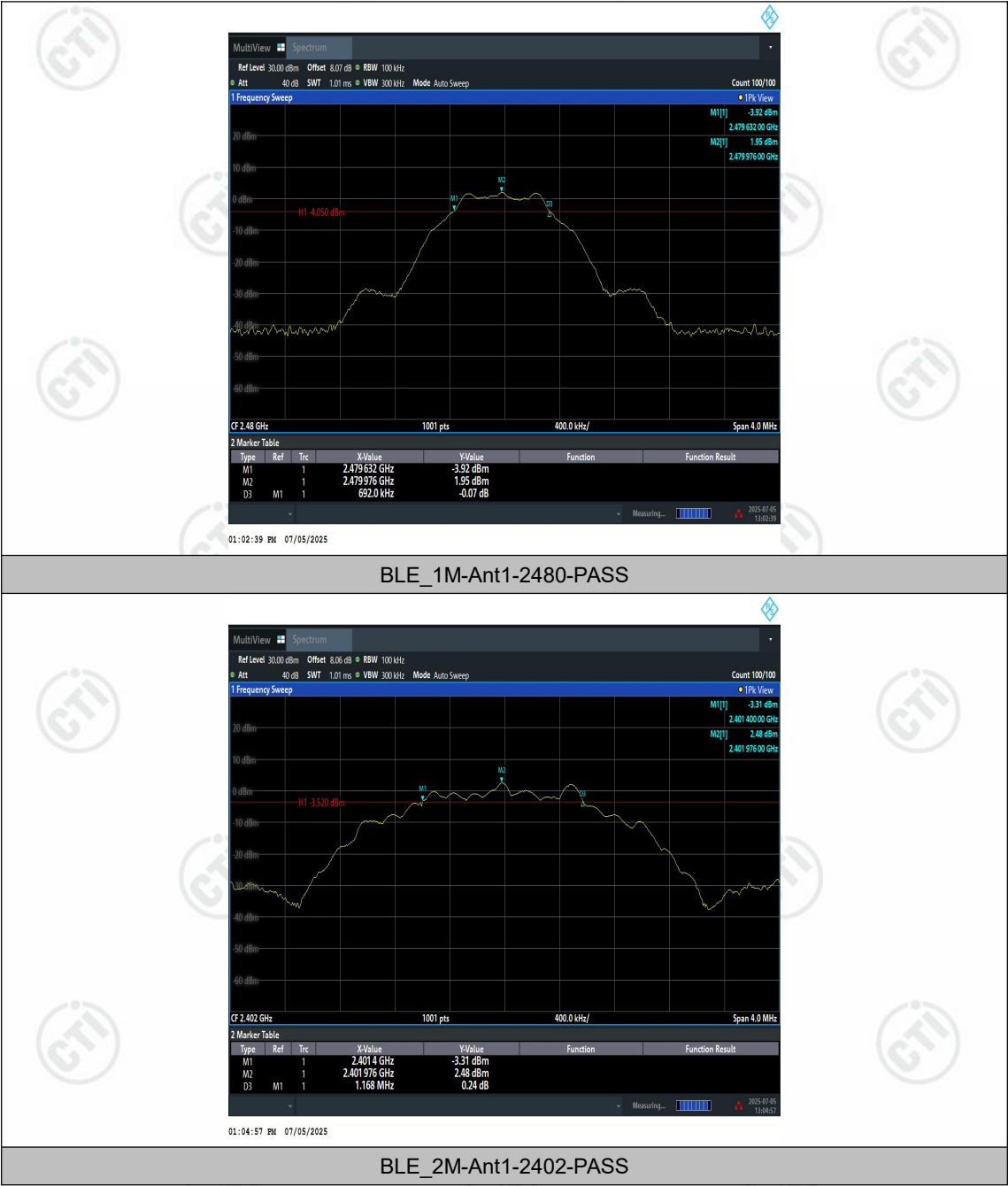
Appendix A: DTS Bandwidth

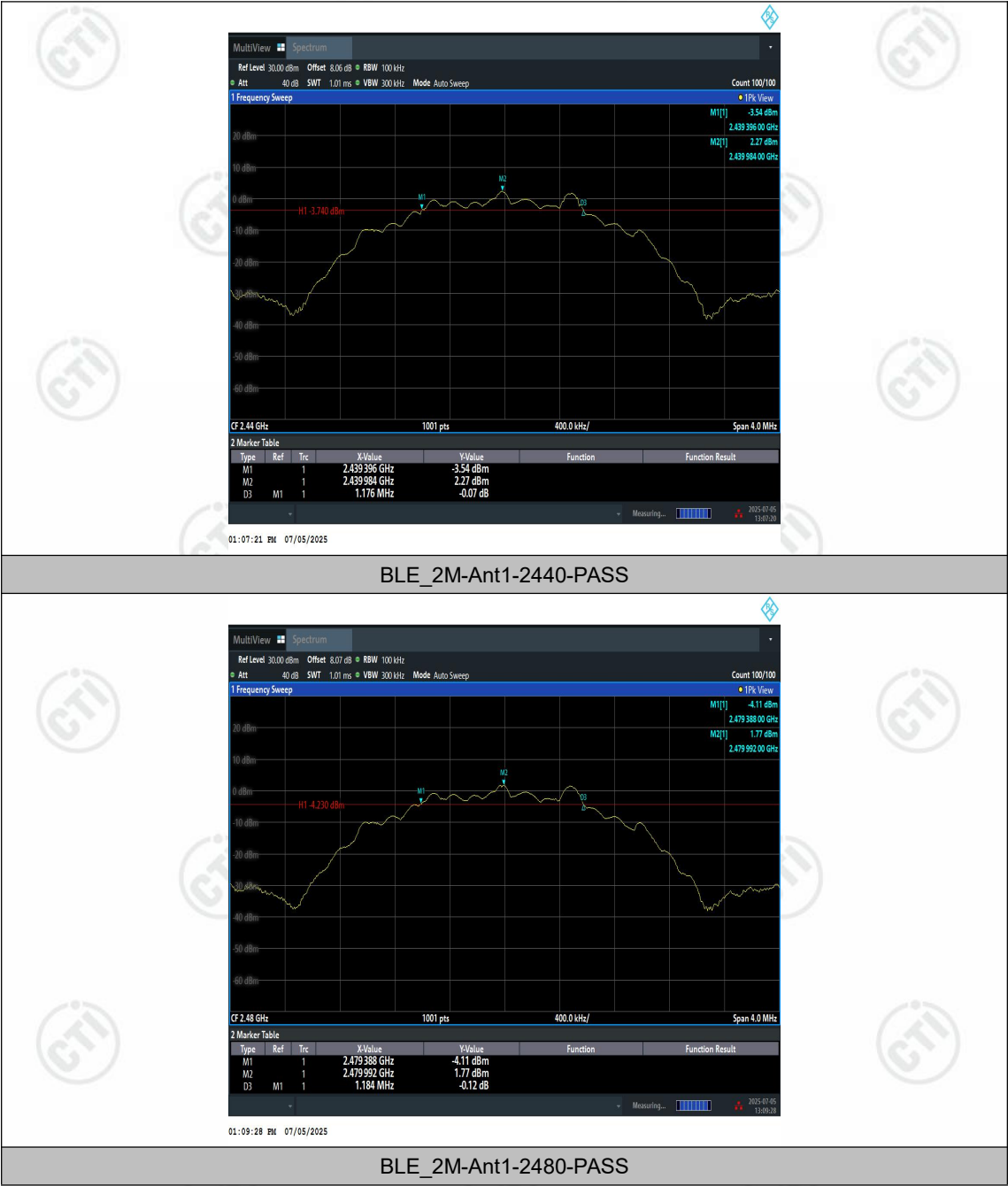
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.69	2401.63	2402.32	0.5	PASS
BLE_1M	Ant1	2440	0.69	2439.63	2440.32	0.5	PASS
BLE_1M	Ant1	2480	0.69	2479.63	2480.32	0.5	PASS
BLE_2M	Ant1	2402	1.17	2401.40	2402.57	0.5	PASS
BLE_2M	Ant1	2440	1.18	2439.40	2440.57	0.5	PASS
BLE_2M	Ant1	2480	1.18	2479.39	2480.57	0.5	PASS

Test Graphs







Appendix B: Occupied Channel Bandwidth

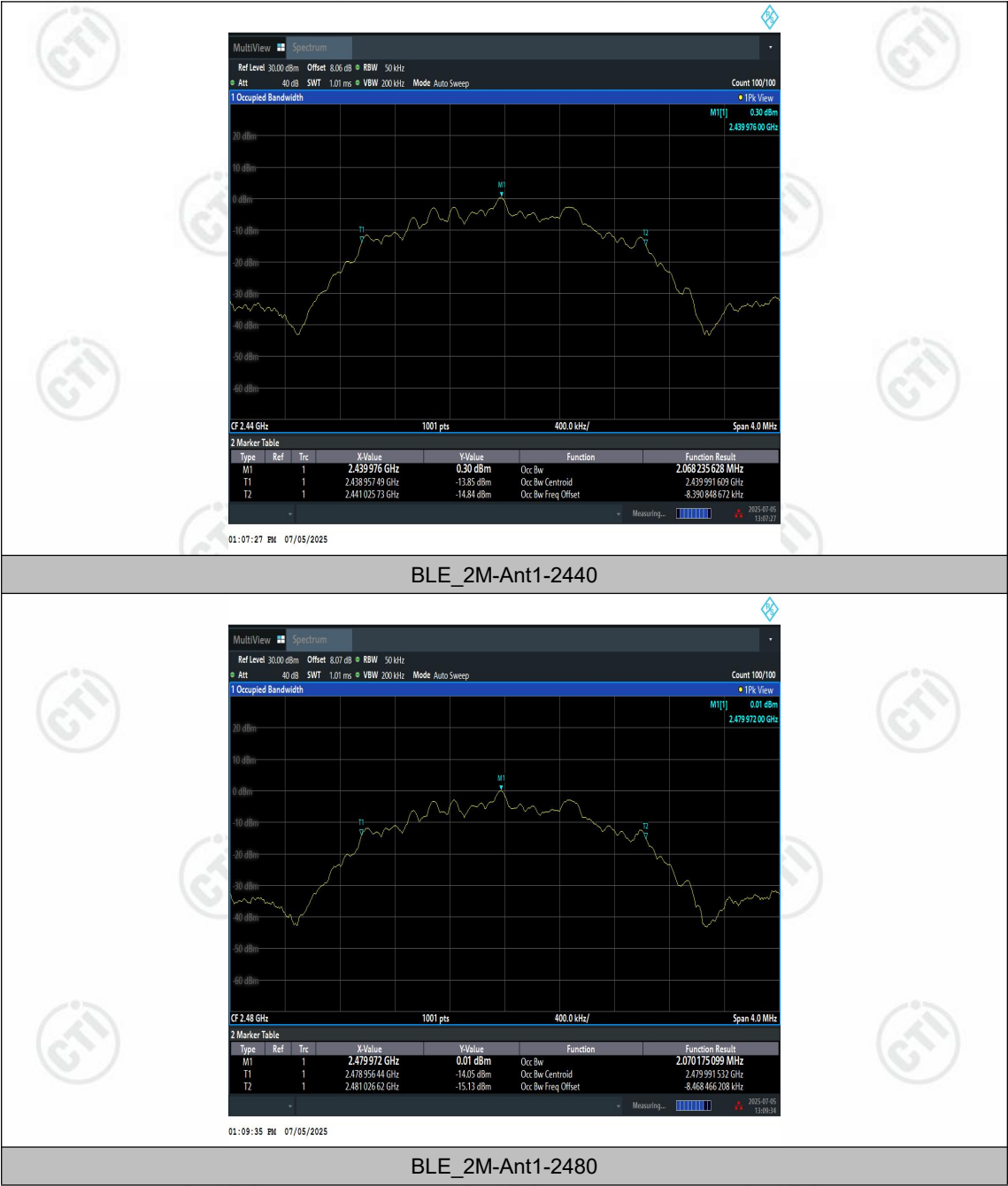
Test Result

TestMode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0457	2401.4651	2402.5108	---	---
BLE_1M	Ant1	2440	1.0465	2439.4649	2440.5113	---	---
BLE_1M	Ant1	2480	1.0473	2479.4639	2480.5112	---	---
BLE_2M	Ant1	2402	2.0695	2400.9583	2403.0278	---	---
BLE_2M	Ant1	2440	2.0682	2438.9575	2441.0257	---	---
BLE_2M	Ant1	2480	2.0702	2478.9564	2481.0266	---	---

Test Graphs





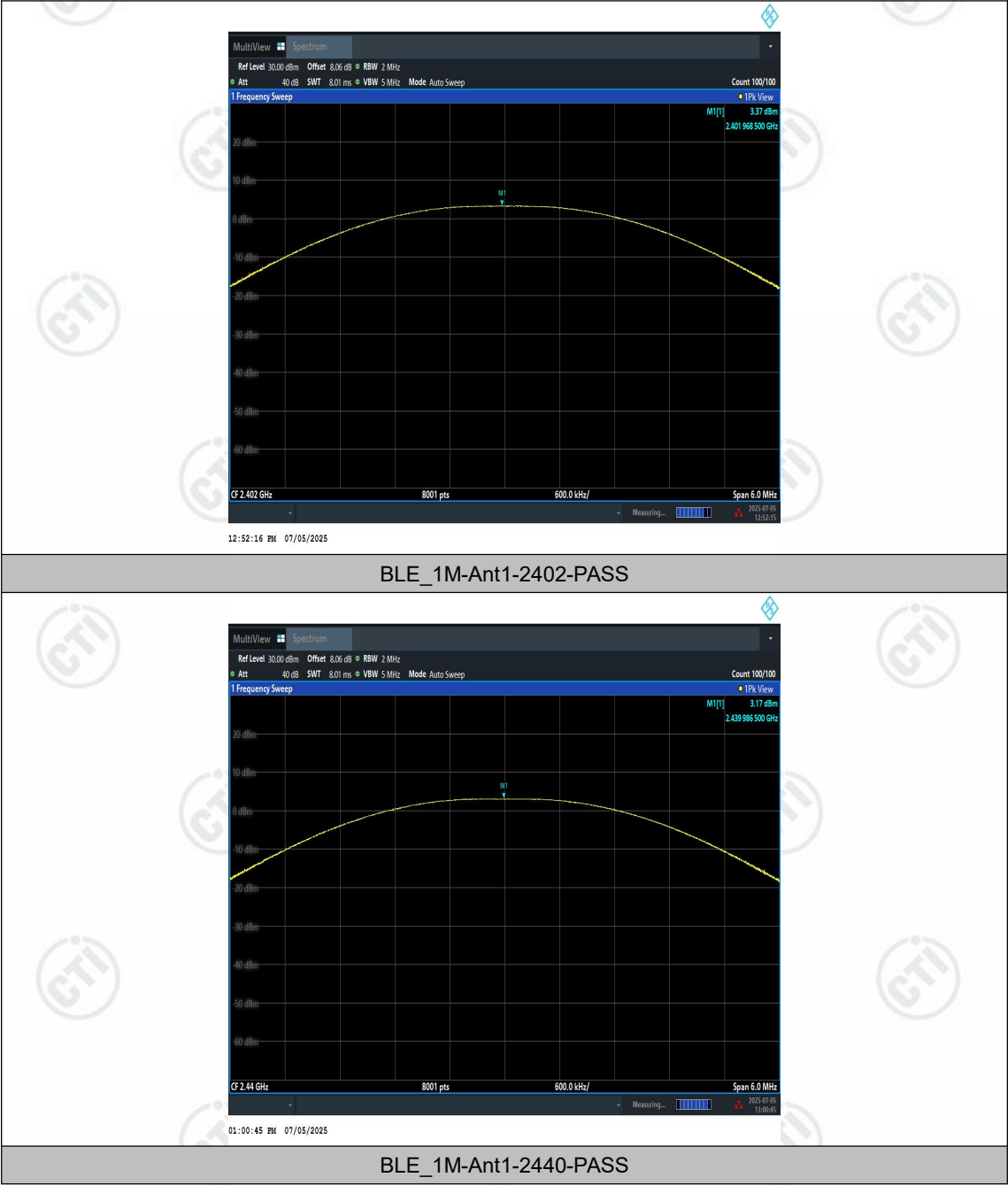


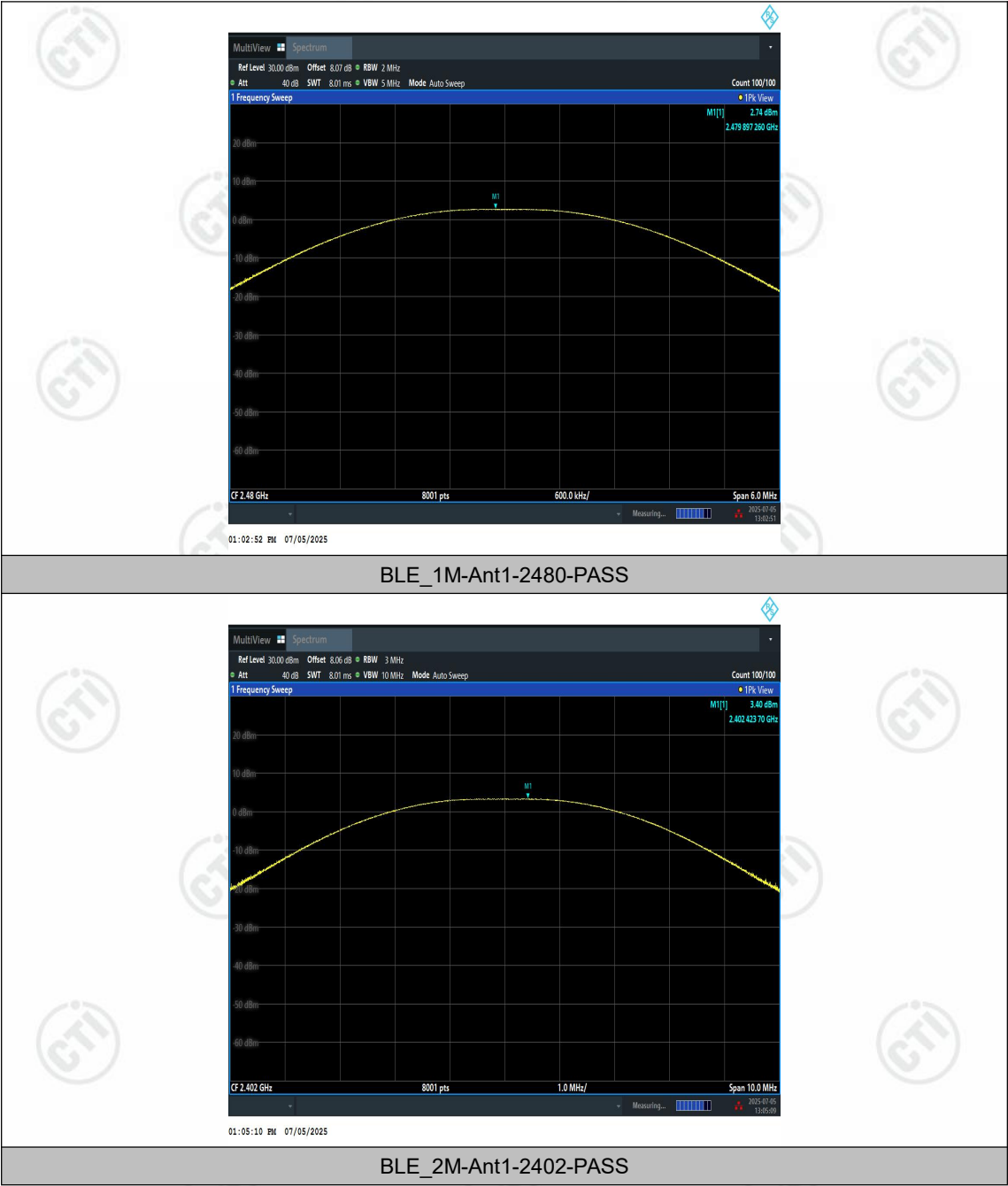
Appendix C: Maximum conducted output power

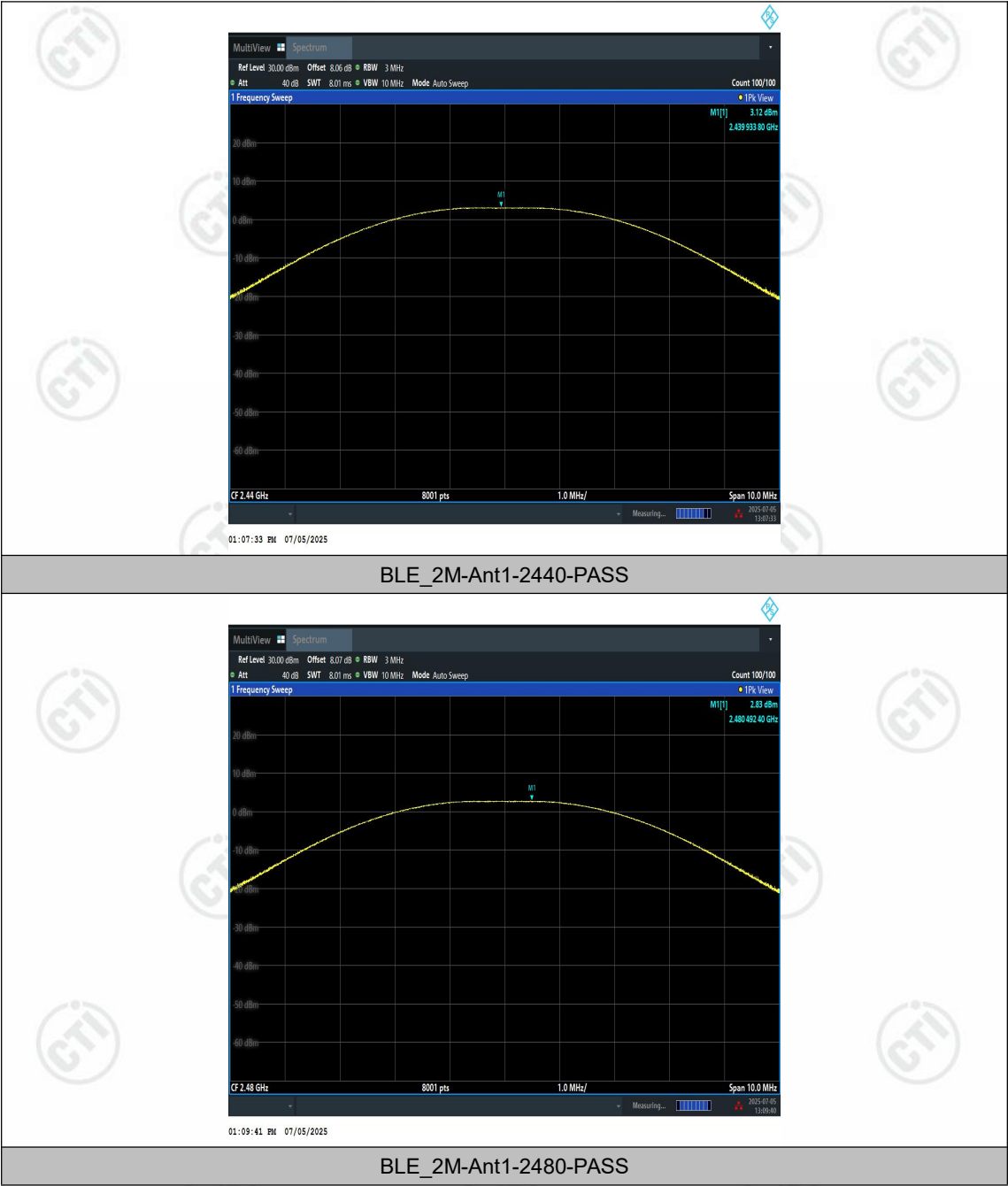
Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.37	≤30	PASS
BLE_1M	Ant1	2440	3.17	≤30	PASS
BLE_1M	Ant1	2480	2.74	≤30	PASS
BLE_2M	Ant1	2402	3.40	≤30	PASS
BLE_2M	Ant1	2440	3.12	≤30	PASS
BLE_2M	Ant1	2480	2.83	≤30	PASS

Test Graphs Peak





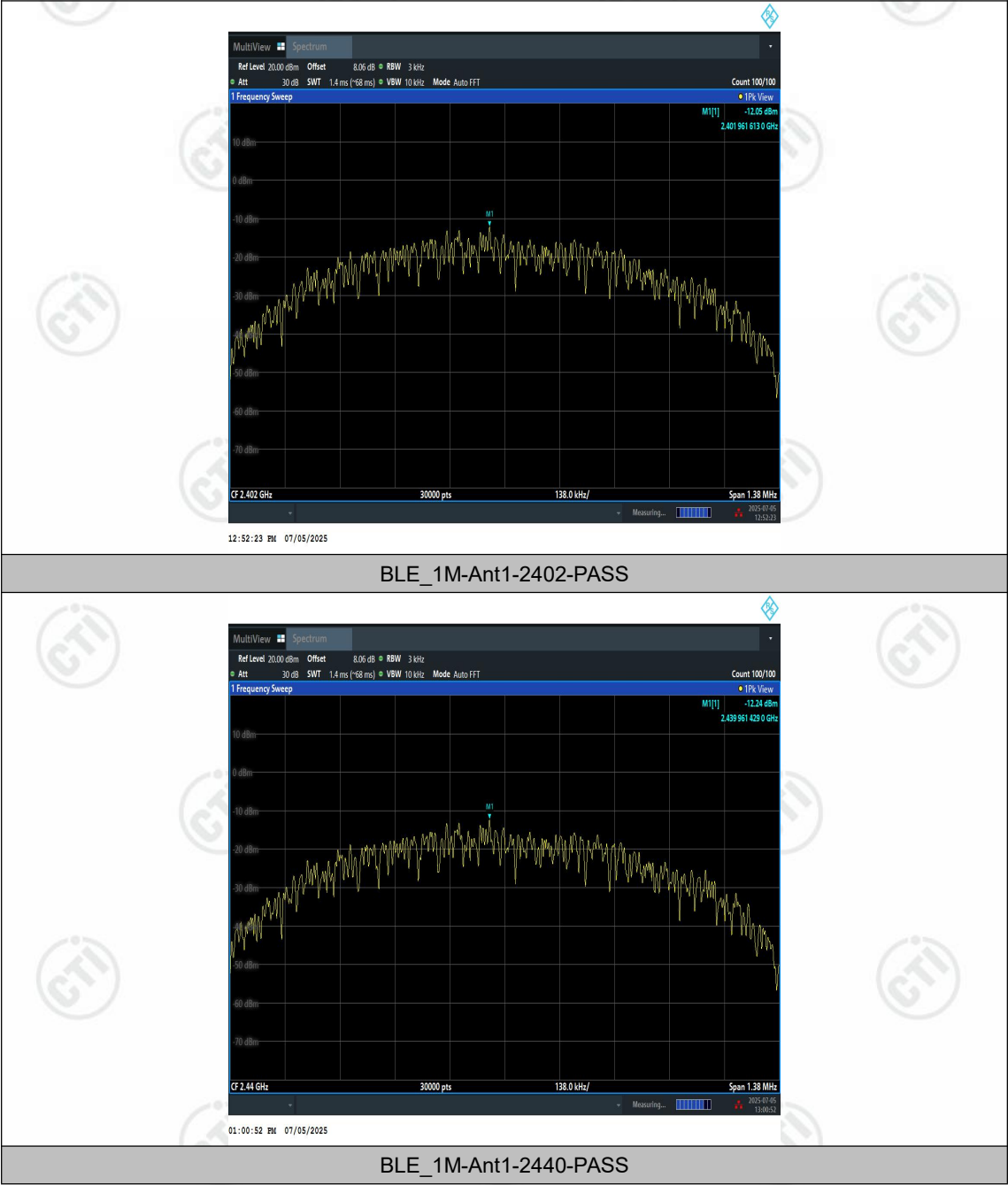


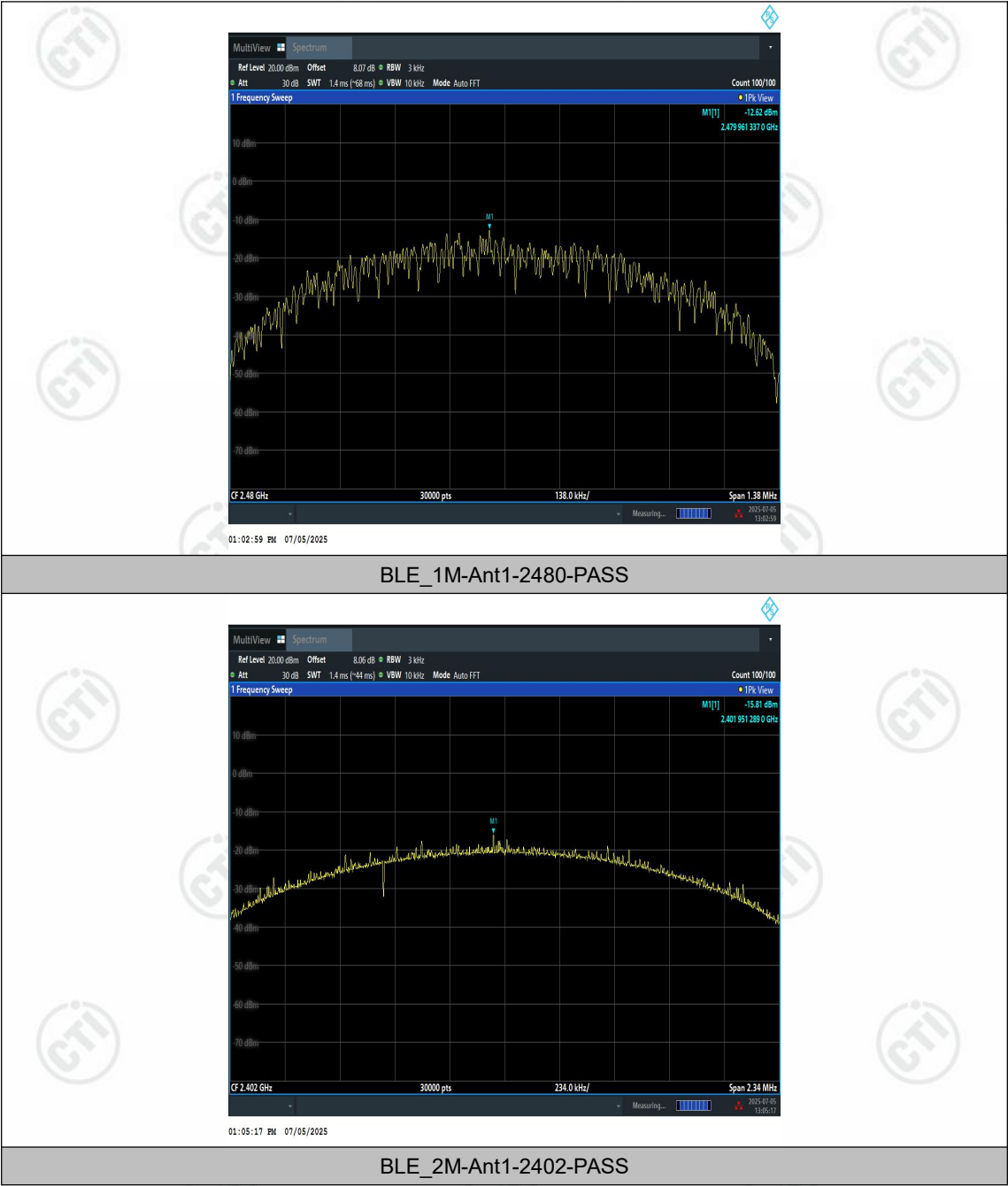
Appendix D: Maximum power spectral density

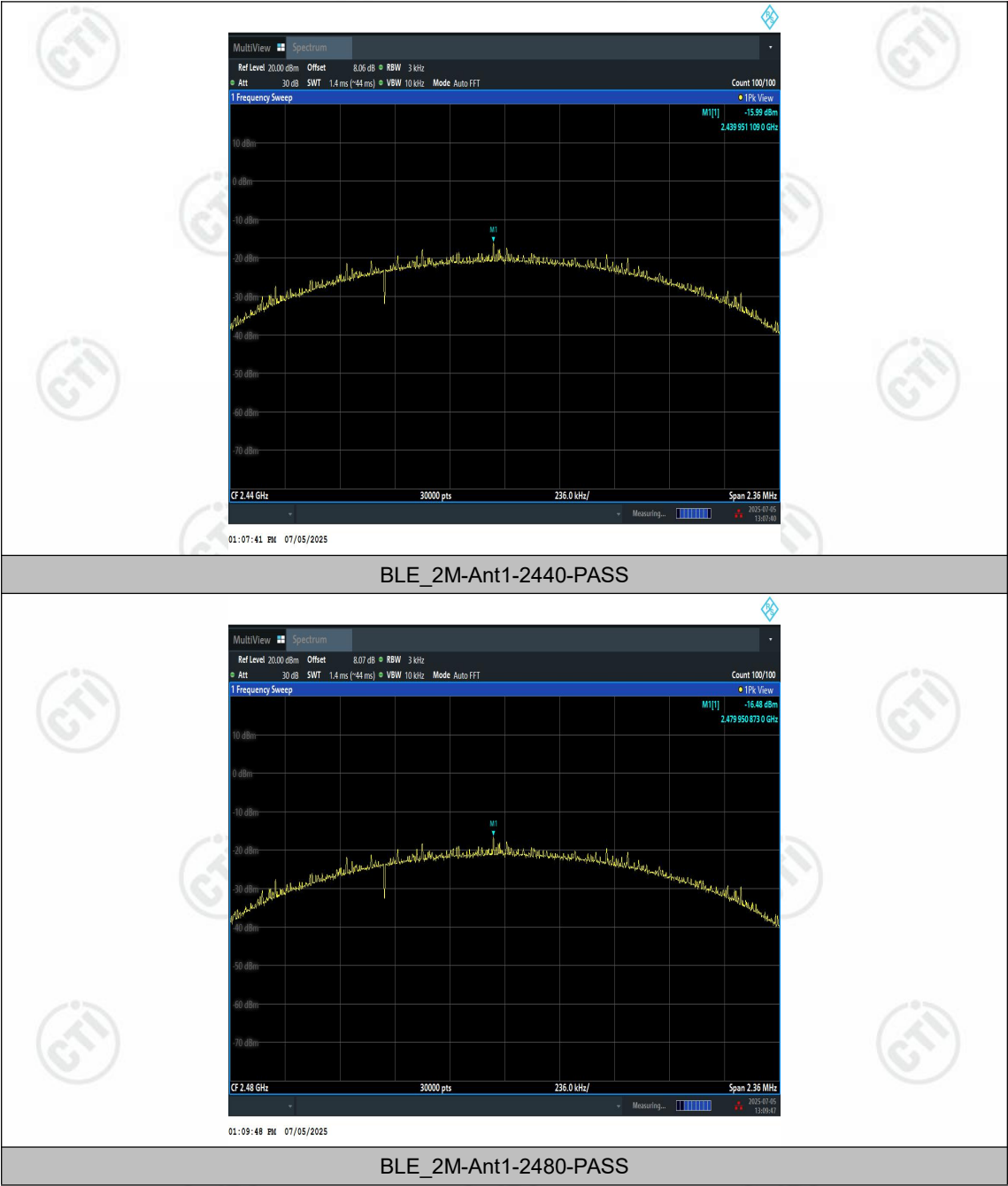
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.05	≤8.00	PASS
BLE_1M	Ant1	2440	-12.24	≤8.00	PASS
BLE_1M	Ant1	2480	-12.62	≤8.00	PASS
BLE_2M	Ant1	2402	-15.81	≤8.00	PASS
BLE_2M	Ant1	2440	-15.99	≤8.00	PASS
BLE_2M	Ant1	2480	-16.48	≤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	2.39	-49.09	≤-17.61	PASS
BLE_1M	Ant1	High	2480	1.13	-49.76	≤-18.87	PASS
BLE_2M	Ant1	Low	2402	2.38	-29.16	≤-17.62	PASS
BLE_2M	Ant1	High	2480	1.09	-49.49	≤-18.91	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	2.41	2.41	---	PASS
BLE_1M	Ant1	2402	30~1000	2.41	-59.19	≤-17.59	PASS
BLE_1M	Ant1	2402	1000~26500	2.41	-48.36	≤-17.59	PASS
BLE_1M	Ant1	2440	0~Reference	2.23	2.23	---	PASS
BLE_1M	Ant1	2440	30~1000	2.23	-58.73	≤-17.77	PASS
BLE_1M	Ant1	2440	1000~26500	2.23	-48.65	≤-17.77	PASS
BLE_1M	Ant1	2480	0~Reference	0.68	0.68	---	PASS
BLE_1M	Ant1	2480	30~1000	0.68	-58.52	≤-19.32	PASS
BLE_1M	Ant1	2480	1000~26500	0.68	-48.87	≤-19.32	PASS
BLE_2M	Ant1	2402	0~Reference	2.36	2.36	---	PASS
BLE_2M	Ant1	2402	30~1000	2.36	-58.76	≤-17.64	PASS
BLE_2M	Ant1	2402	1000~26500	2.36	-48.28	≤-17.64	PASS
BLE_2M	Ant1	2440	0~Reference	2.22	2.22	---	PASS
BLE_2M	Ant1	2440	30~1000	2.22	-58.46	≤-17.78	PASS
BLE_2M	Ant1	2440	1000~26500	2.22	-48.14	≤-17.78	PASS
BLE_2M	Ant1	2480	0~Reference	0.93	0.93	---	PASS
BLE_2M	Ant1	2480	30~1000	0.93	-59.26	≤-19.07	PASS
BLE_2M	Ant1	2480	1000~26500	0.93	-48.94	≤-19.07	PASS

Test Graphs

