

Appendix: Bluetooth LE

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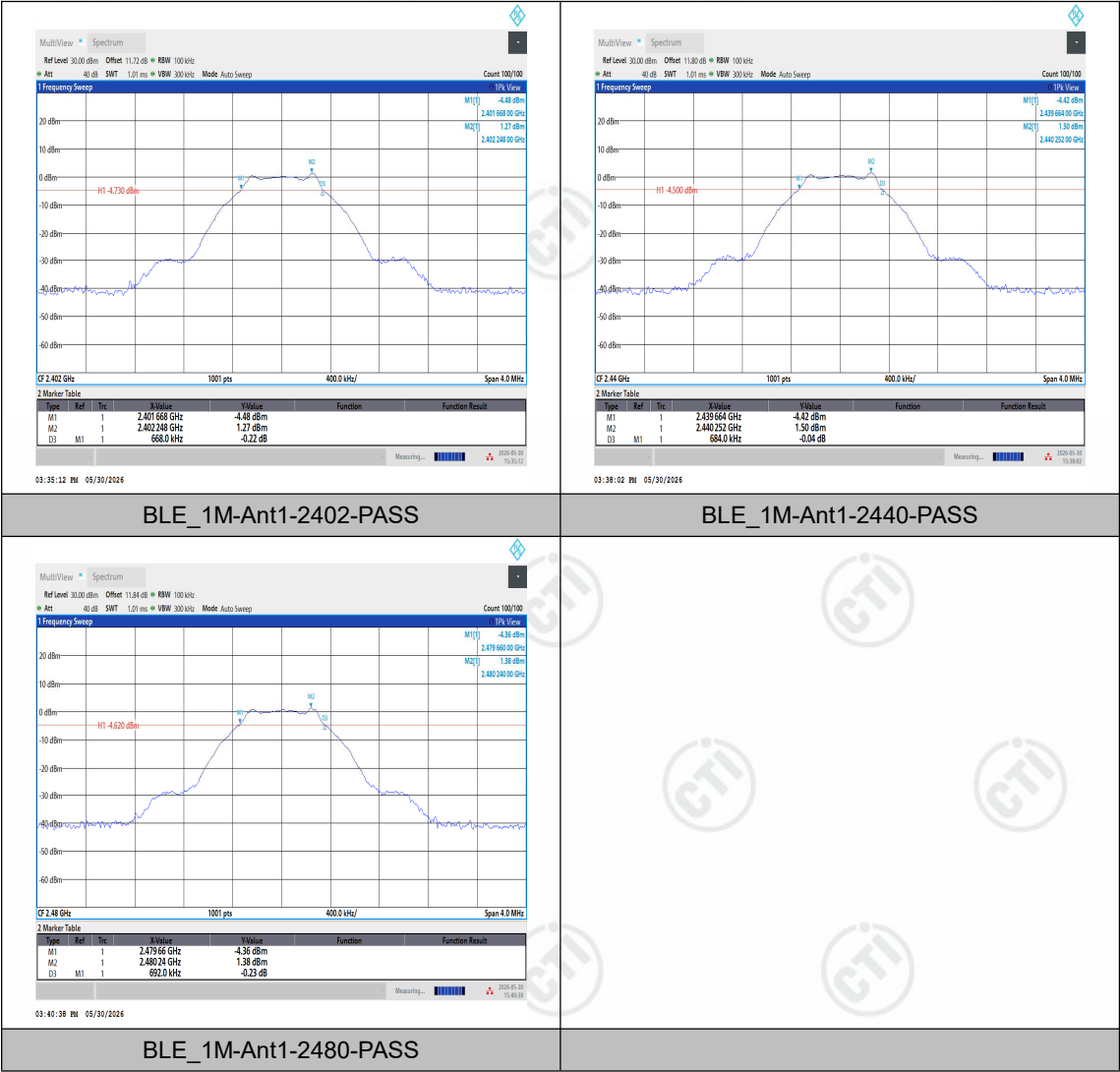
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Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.67	2401.67	2402.34	0.5	PASS
BLE_1M	Ant1	2440	0.68	2439.66	2440.35	0.5	PASS
BLE_1M	Ant1	2480	0.69	2479.66	2480.35	0.5	PASS

Test Graphs

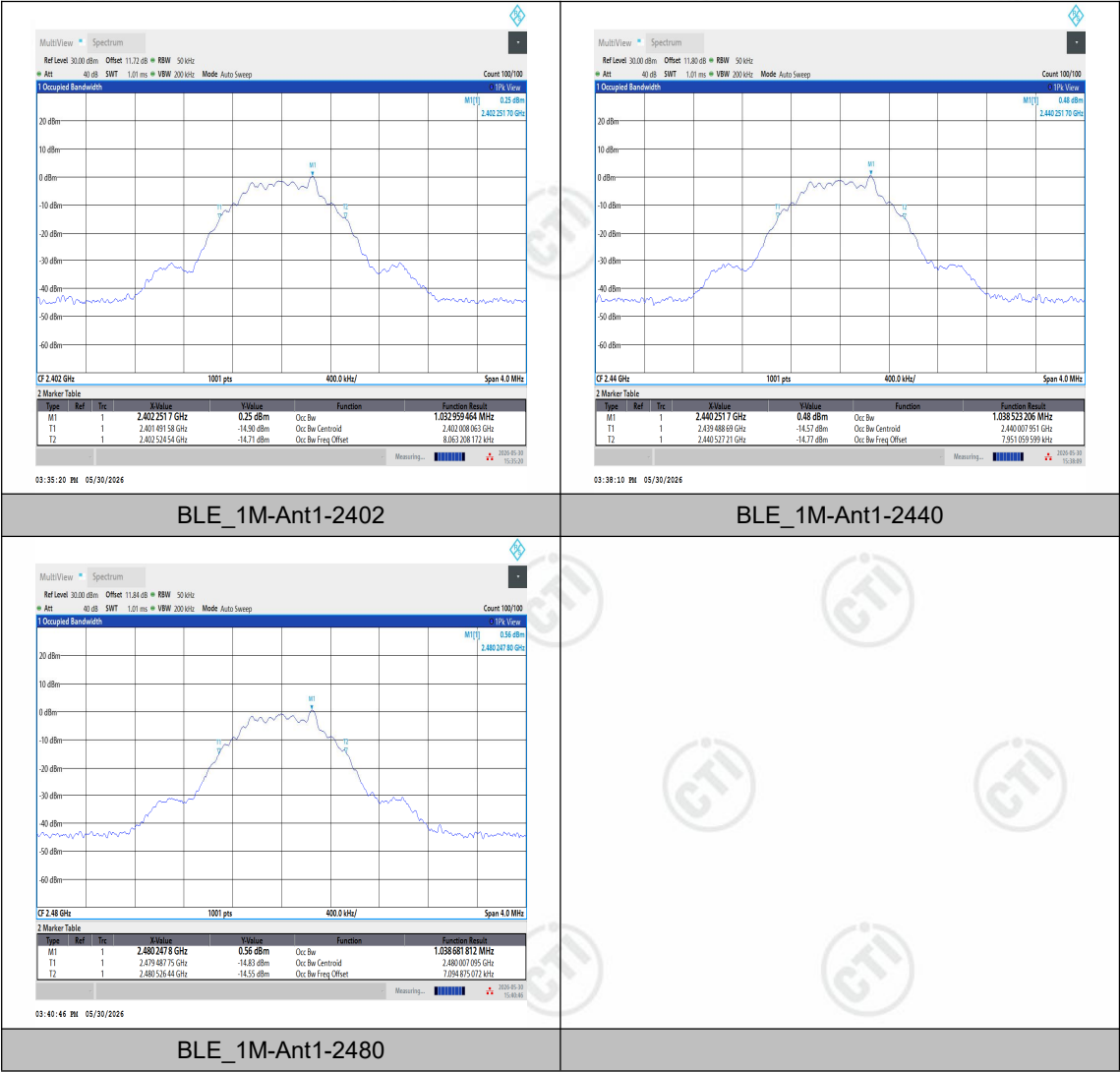


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1	2402	1.0330	2401.4916	2402.5245	---	---
BLE_1M	Ant1	2440	1.0385	2439.4887	2440.5272	---	---
BLE_1M	Ant1	2480	1.0387	2479.4878	2480.5264	---	---

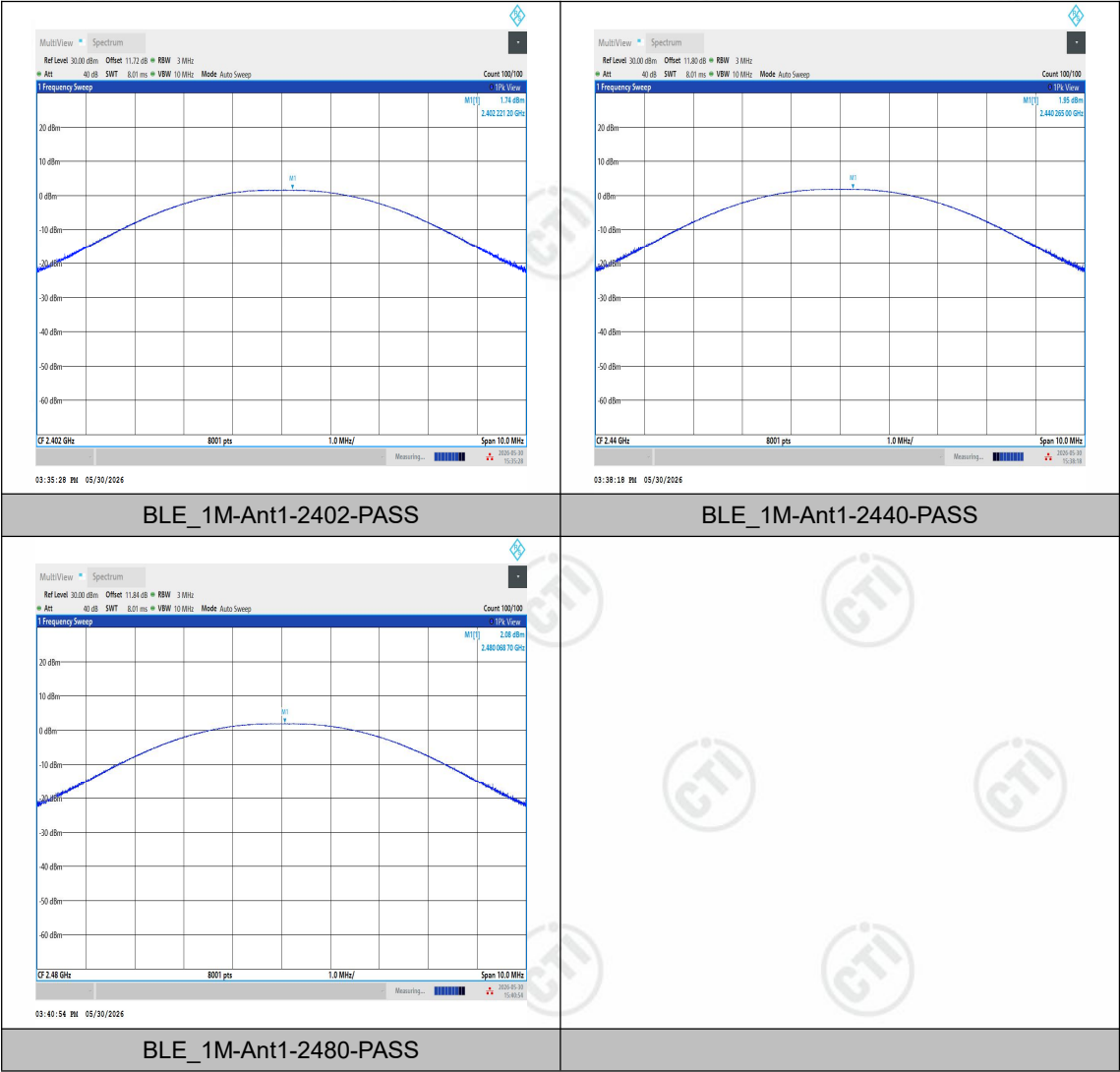
Test Graphs



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	1.74	≤30	-1.23	≤36	PASS
BLE_1M	Ant1	2440	1.95	≤30	-1.02	≤36	PASS
BLE_1M	Ant1	2480	2.08	≤30	-0.89	≤36	PASS

Test Graphs Peak

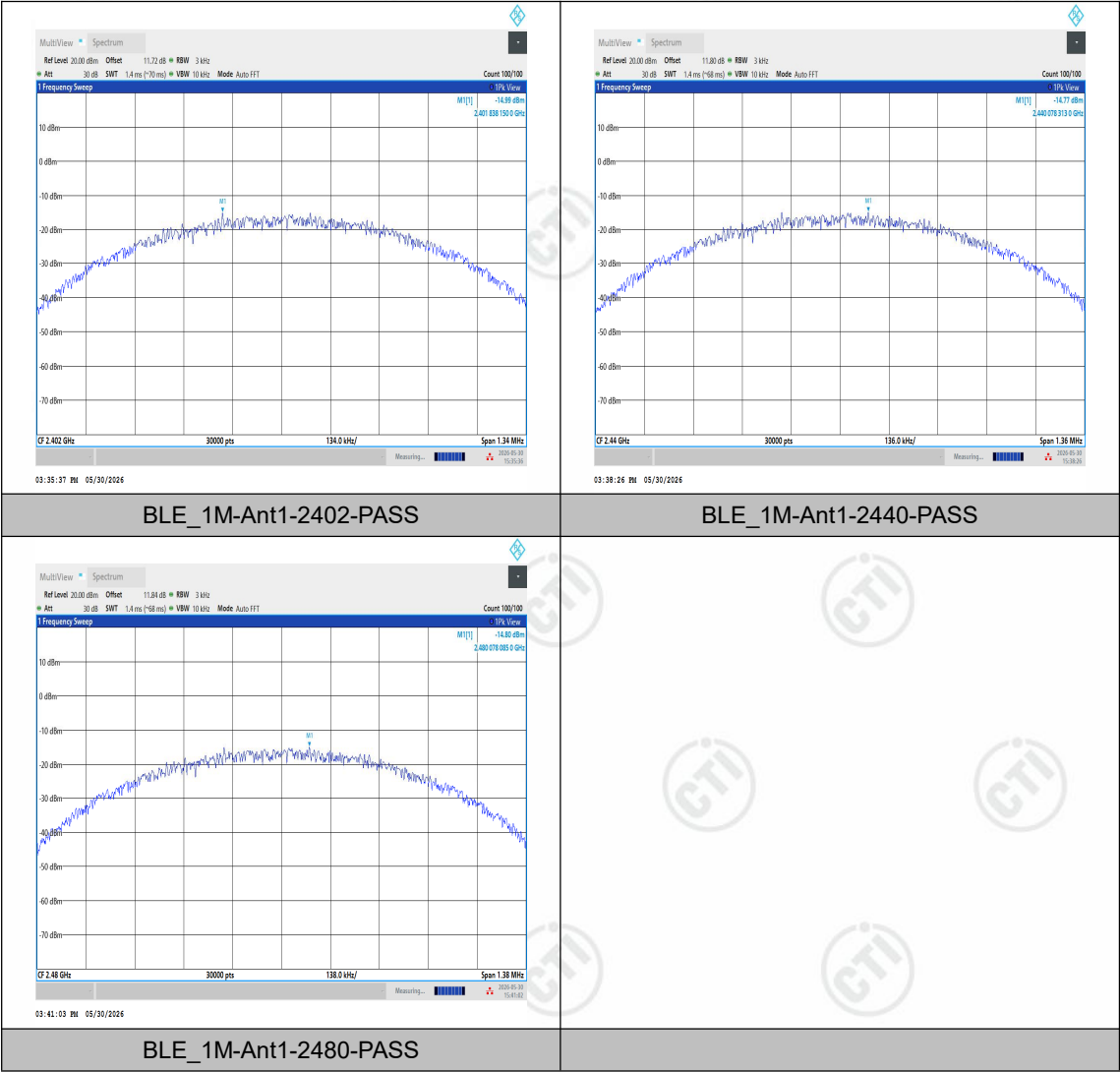


Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.99	≤8.00	PASS
BLE_1M	Ant1	2440	-14.77	≤8.00	PASS
BLE_1M	Ant1	2480	-14.80	≤8.00	PASS

Test Graphs

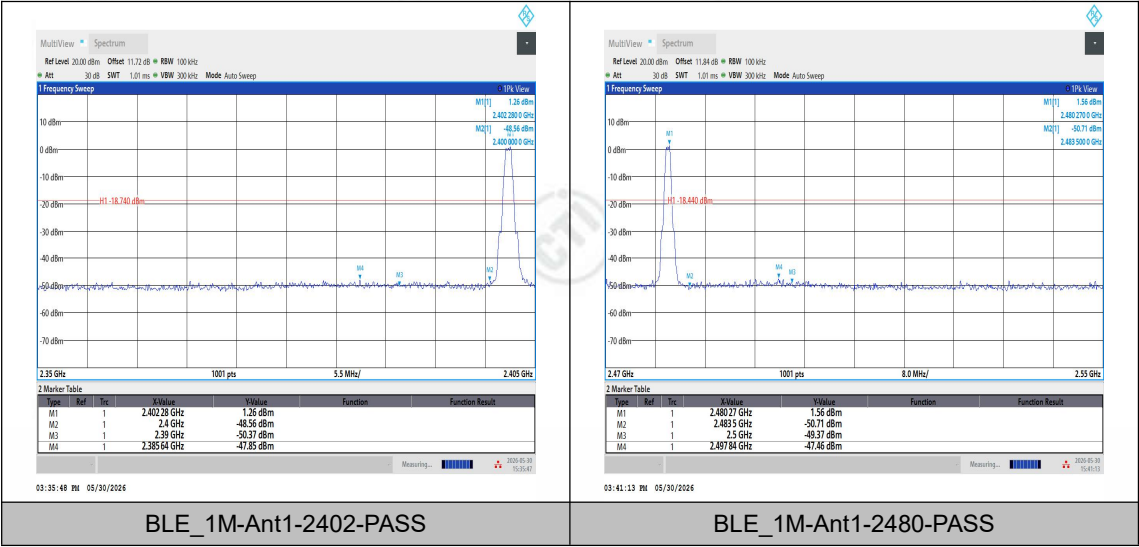


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.26	-47.85	≤-18.74	PASS
BLE_1M	Ant1	High	2480	1.56	-47.46	≤-18.44	PASS

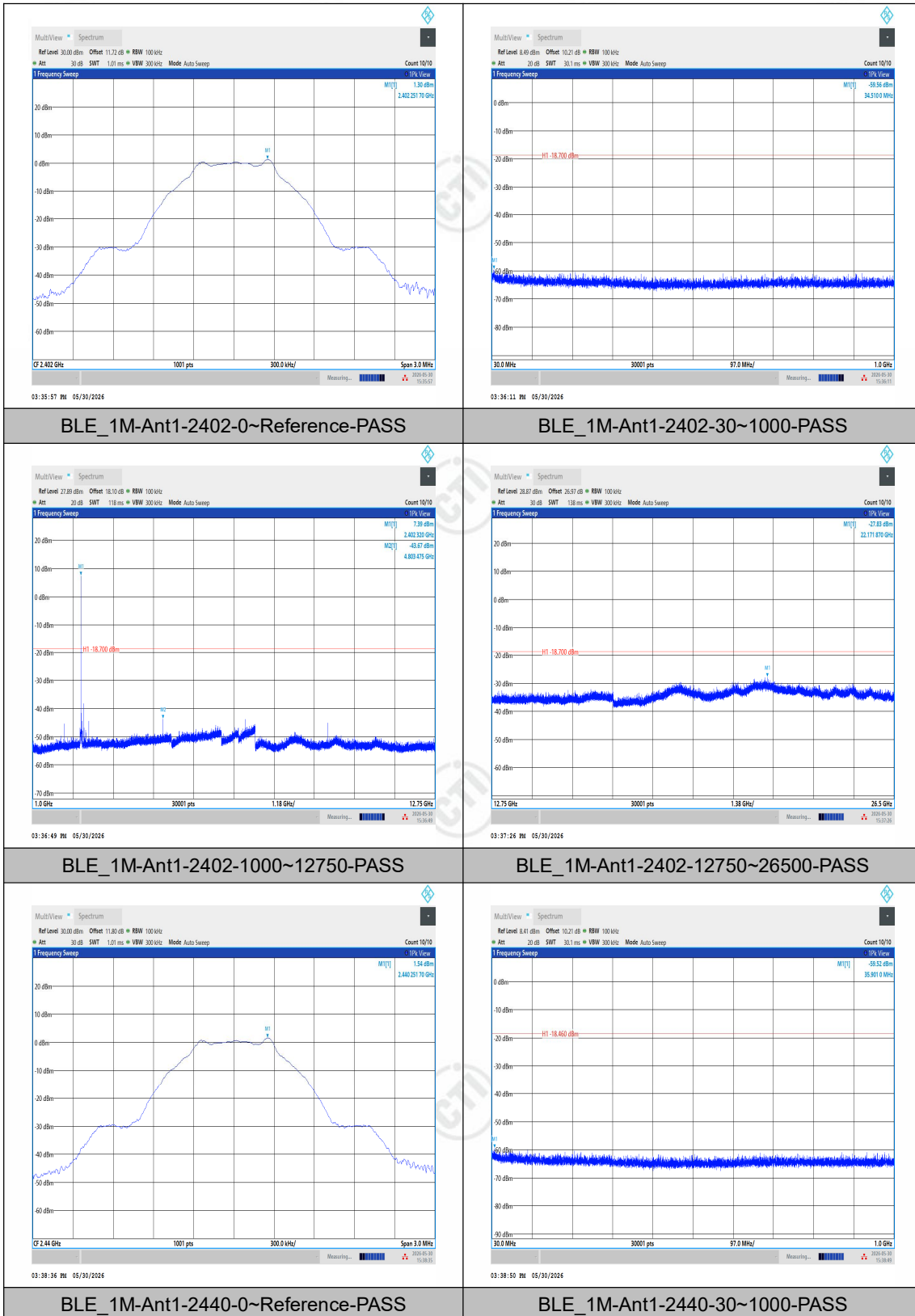
Test Graphs

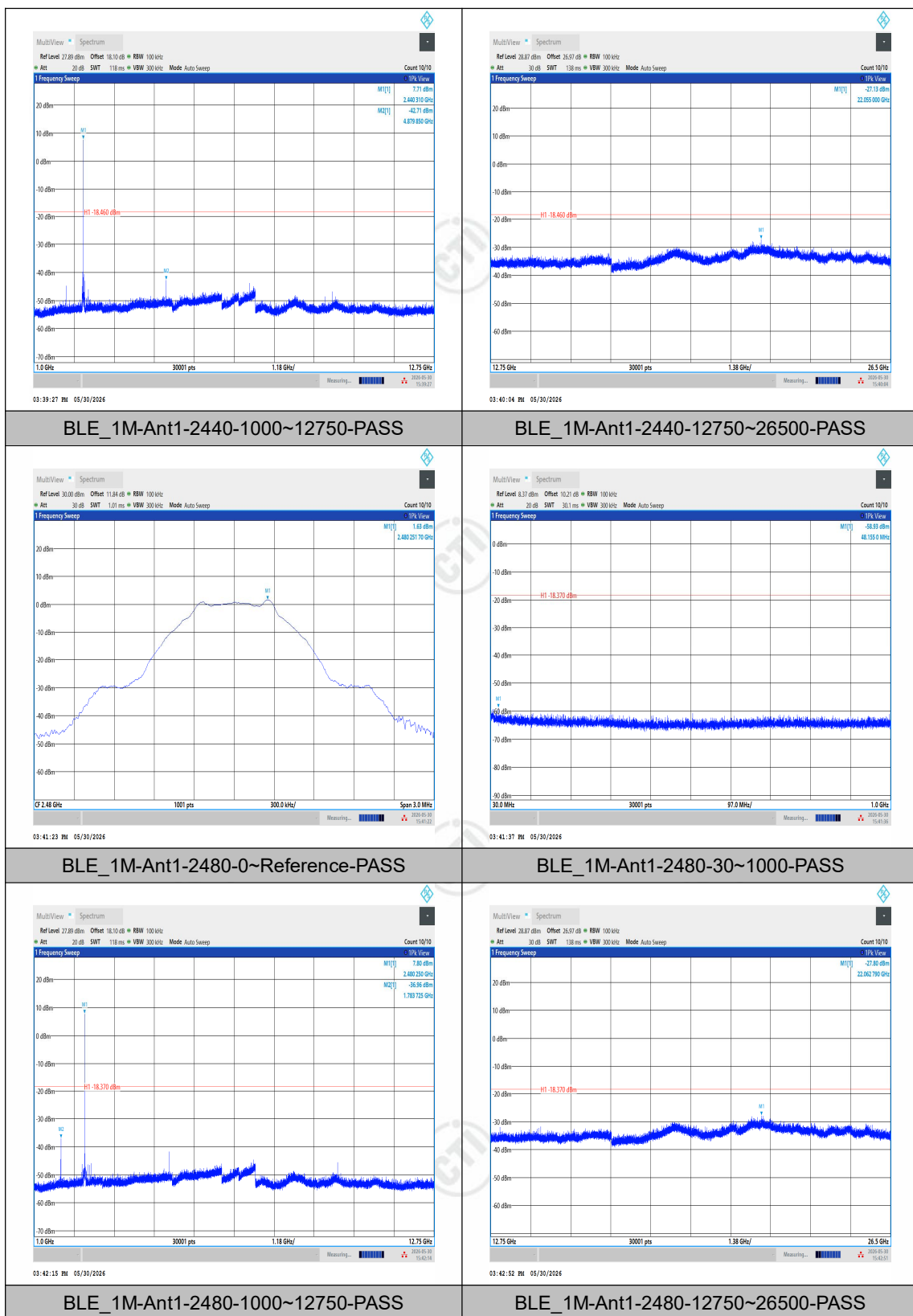


Appendix F: Conducted Spurious Emission**Test Result**

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	1.30	1.30	---	PASS
BLE_1M	Ant1	2402	30~1000	1.30	-59.56	≤ -18.7	PASS
BLE_1M	Ant1	2402	1000~12750	1.30	-43.67	≤ -18.7	PASS
BLE_1M	Ant1	2402	12750~26500	1.30	-27.83	≤ -18.7	PASS
BLE_1M	Ant1	2440	0~Reference	1.54	1.54	---	PASS
BLE_1M	Ant1	2440	30~1000	1.54	-59.52	≤ -18.46	PASS
BLE_1M	Ant1	2440	1000~12750	1.54	-42.71	≤ -18.46	PASS
BLE_1M	Ant1	2440	12750~26500	1.54	-27.13	≤ -18.46	PASS
BLE_1M	Ant1	2480	0~Reference	1.63	1.63	---	PASS
BLE_1M	Ant1	2480	30~1000	1.63	-58.93	≤ -18.37	PASS
BLE_1M	Ant1	2480	1000~12750	1.63	-36.96	≤ -18.37	PASS
BLE_1M	Ant1	2480	12750~26500	1.63	-27.8	≤ -18.37	PASS

Test Graphs



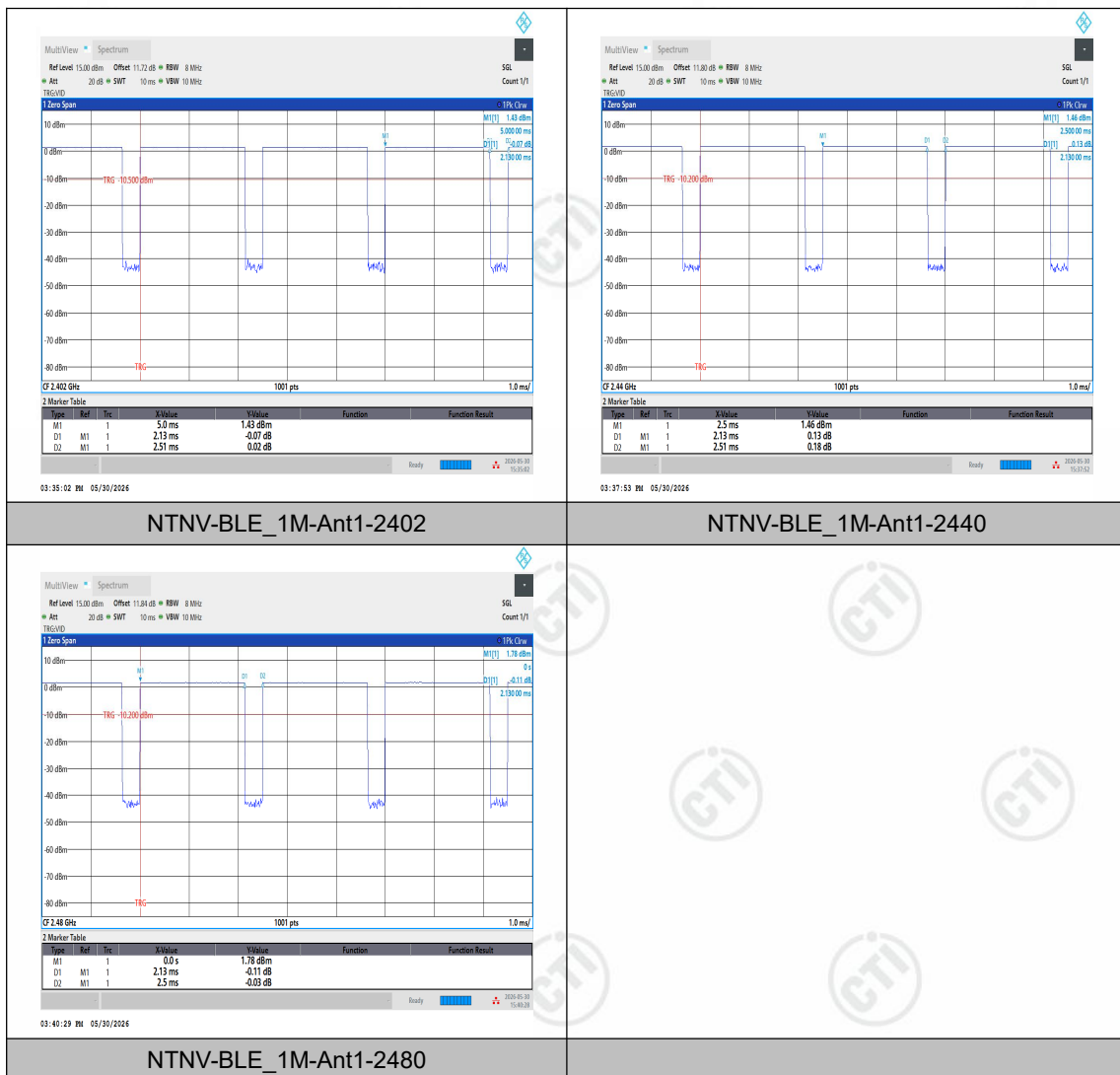


Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.51	84.86	0.71
BLE_1M	Ant1	2440	2.13	2.51	84.86	0.71
BLE_1M	Ant1	2480	2.13	2.50	85.20	0.70

Test Graphs



*** End of Report ***