

Appendix:Bluetooth LE

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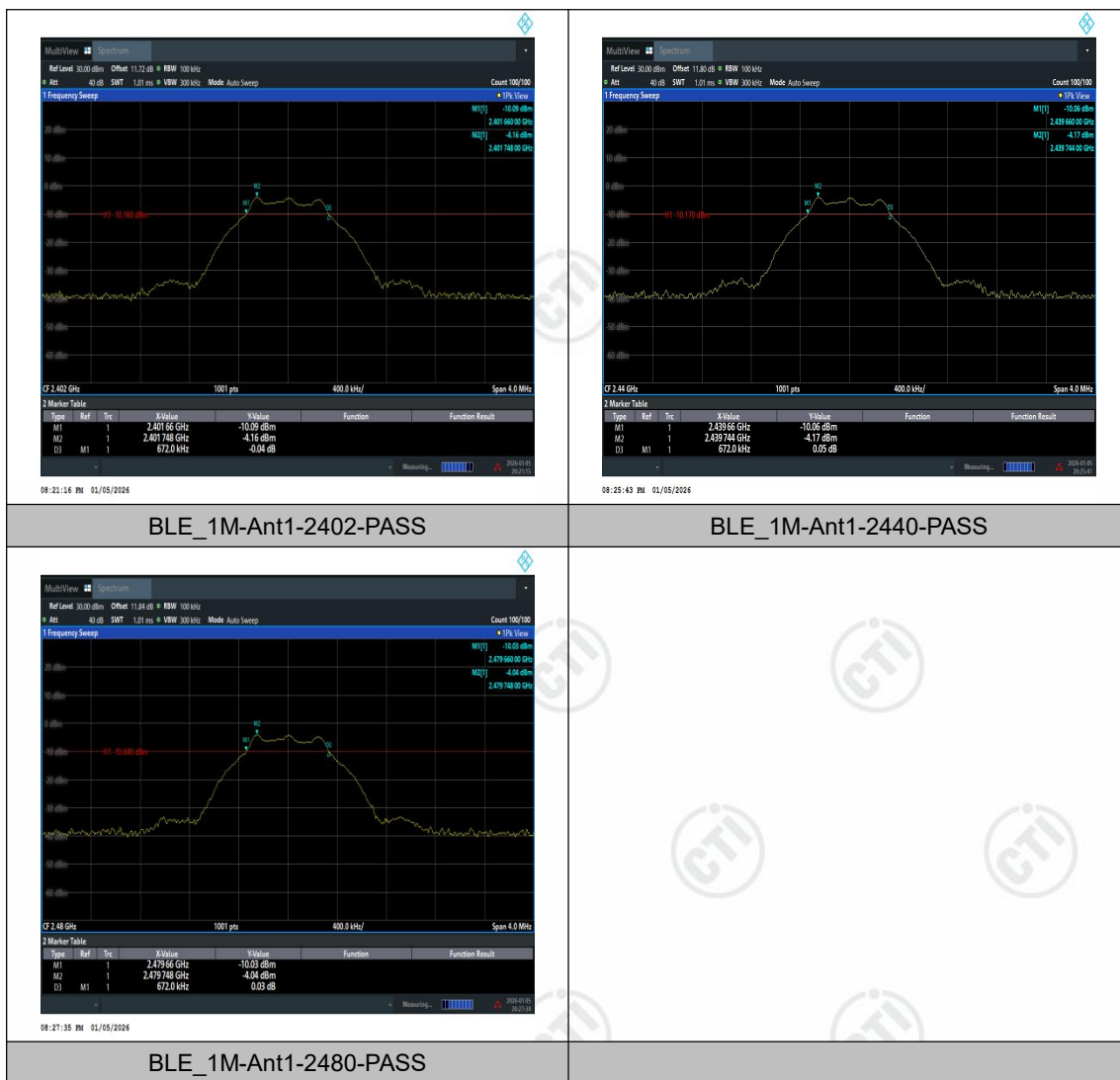
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Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.67	2401.66	2402.33	0.5	PASS
BLE_1M	Ant1	2440	0.67	2439.66	2440.33	0.5	PASS
BLE_1M	Ant1	2480	0.67	2479.66	2480.33	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	1.0352	2401.4878	2402.5230	---	---
BLE_1M	Ant1	2440	1.0364	2439.4886	2440.5251	---	---
BLE_1M	Ant1	2480	1.0364	2479.4883	2480.5248	---	---

Test Graphs

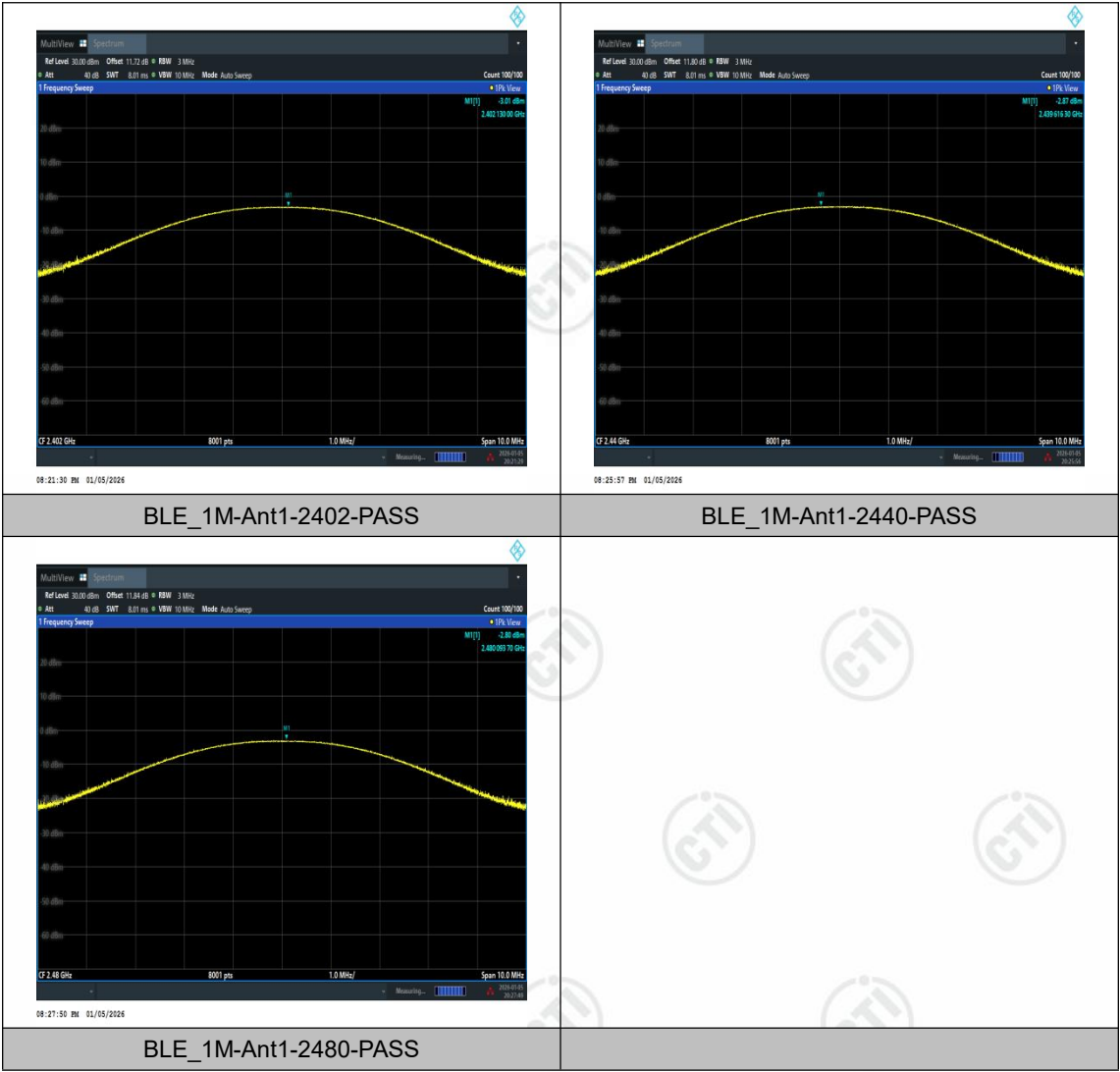


Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-3.01	≤30	PASS
BLE_1M	Ant1	2440	-2.87	≤30	PASS
BLE_1M	Ant1	2480	-2.80	≤30	PASS

Test Graphs Peak

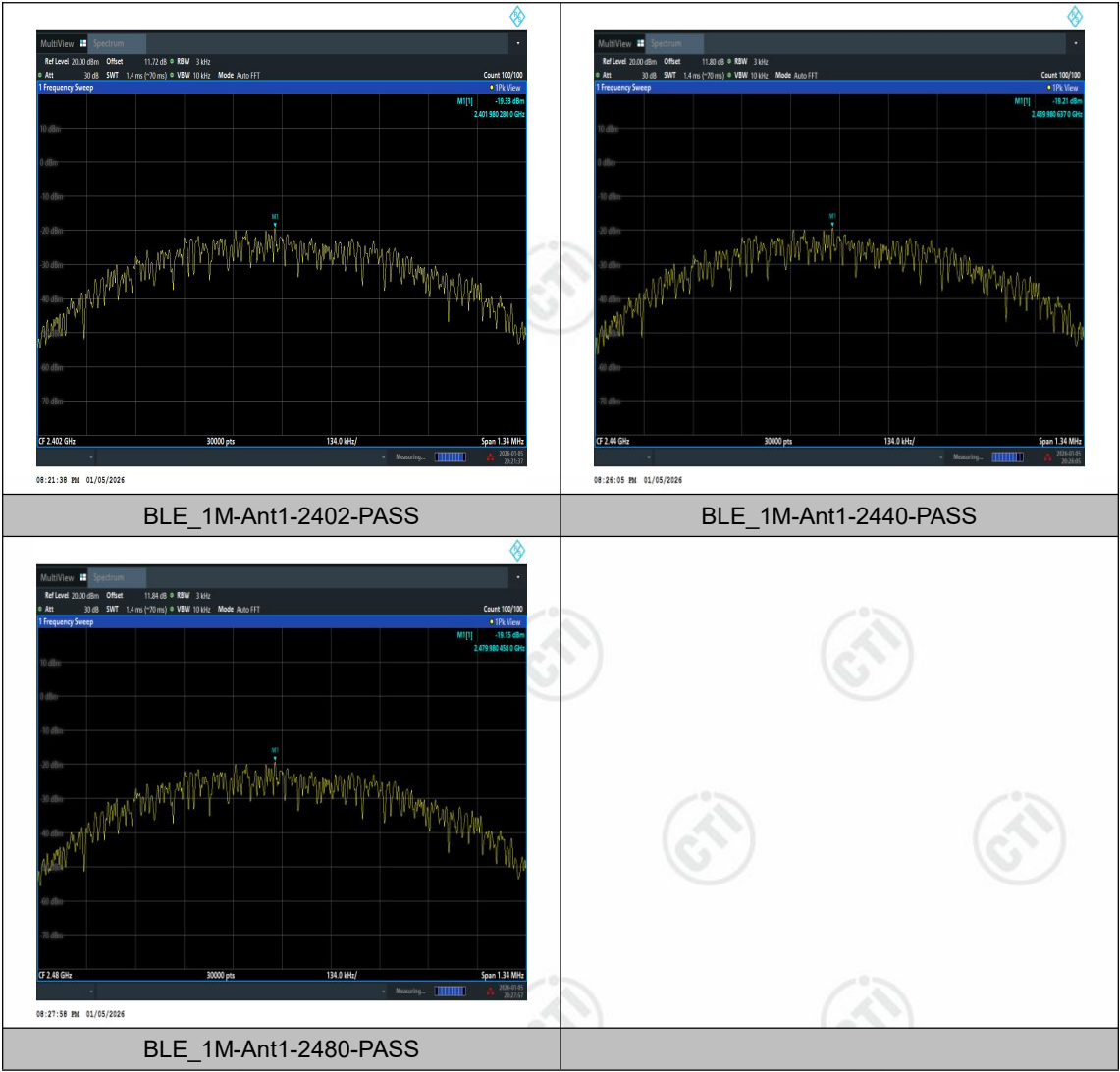


Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-19.33	≤8.00	PASS
BLE_1M	Ant1	2440	-19.21	≤8.00	PASS
BLE_1M	Ant1	2480	-19.15	≤8.00	PASS

Test Graphs

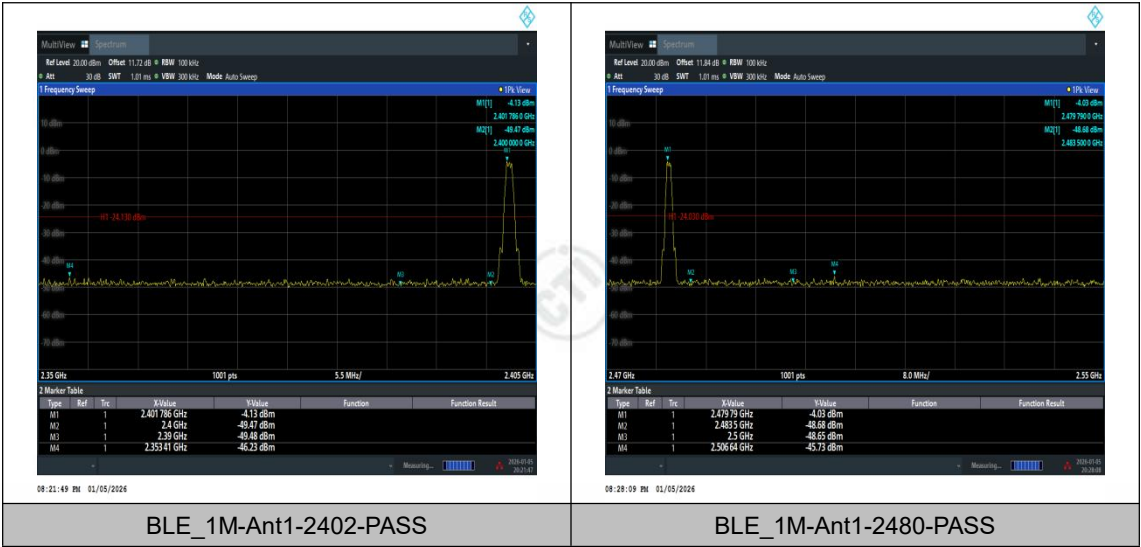


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-4.13	-46.23	≤-24.13	PASS
BLE_1M	Ant1	High	2480	-4.03	-45.73	≤-24.03	PASS

Test Graphs

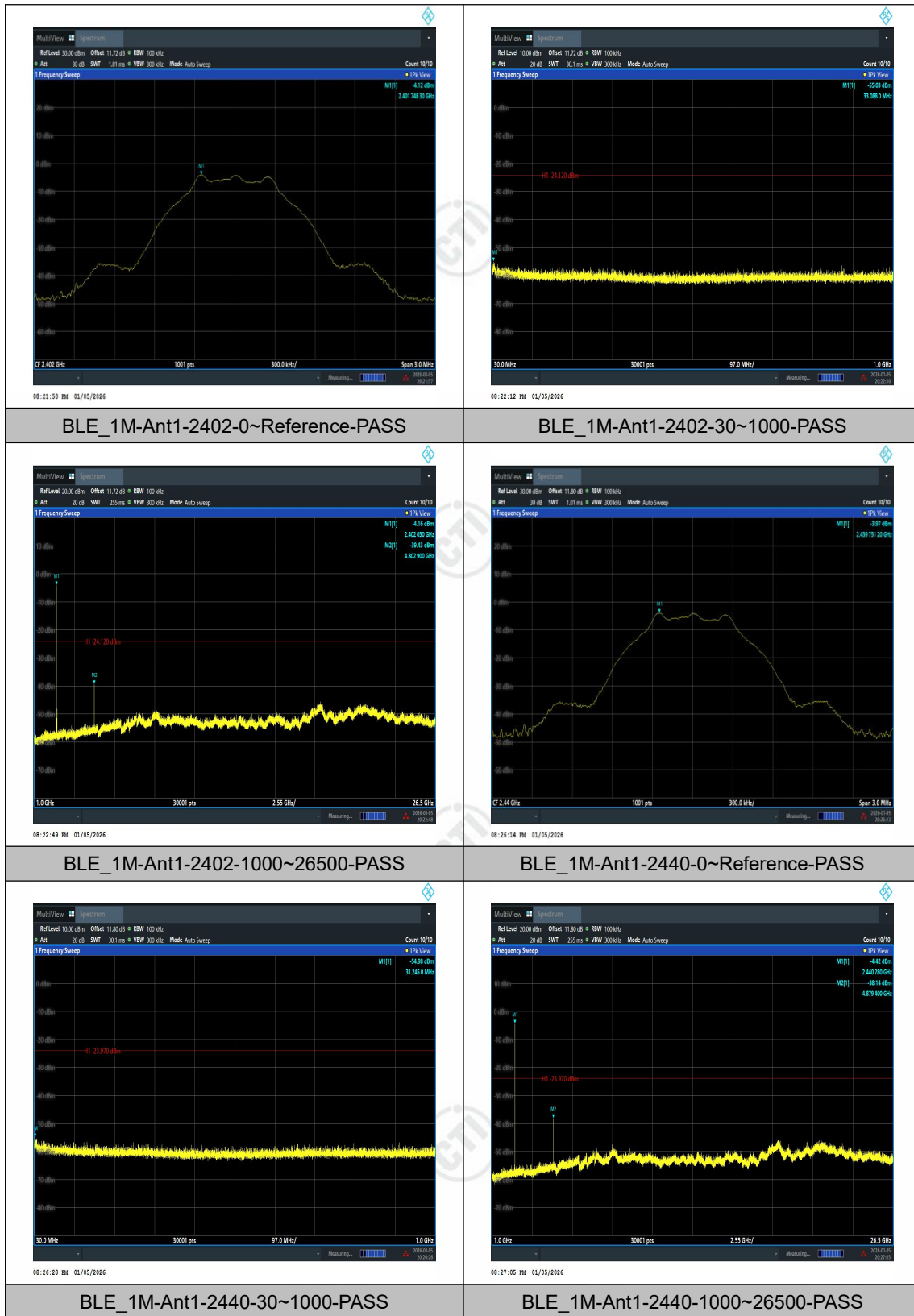


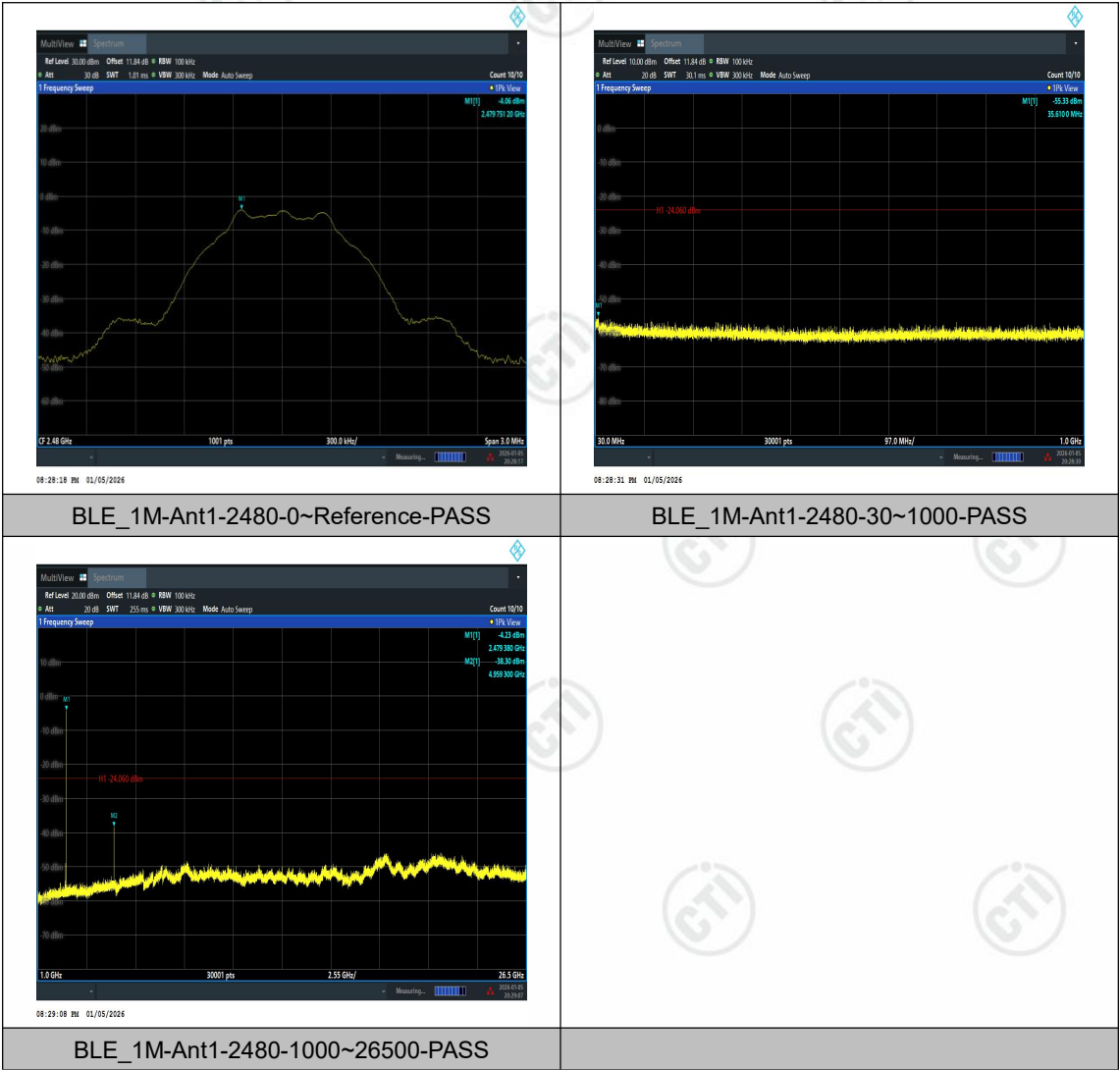
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-4.12	-4.12	---	PASS
BLE_1M	Ant1	2402	30~1000	-4.12	-55.03	≤-24.12	PASS
BLE_1M	Ant1	2402	1000~26500	-4.12	-39.43	≤-24.12	PASS
BLE_1M	Ant1	2440	0~Reference	-3.97	-3.97	---	PASS
BLE_1M	Ant1	2440	30~1000	-3.97	-54.98	≤-23.97	PASS
BLE_1M	Ant1	2440	1000~26500	-3.97	-38.14	≤-23.97	PASS
BLE_1M	Ant1	2480	0~Reference	-4.06	-4.06	---	PASS
BLE_1M	Ant1	2480	30~1000	-4.06	-55.33	≤-24.06	PASS
BLE_1M	Ant1	2480	1000~26500	-4.06	-38.3	≤-24.06	PASS

Test Graphs



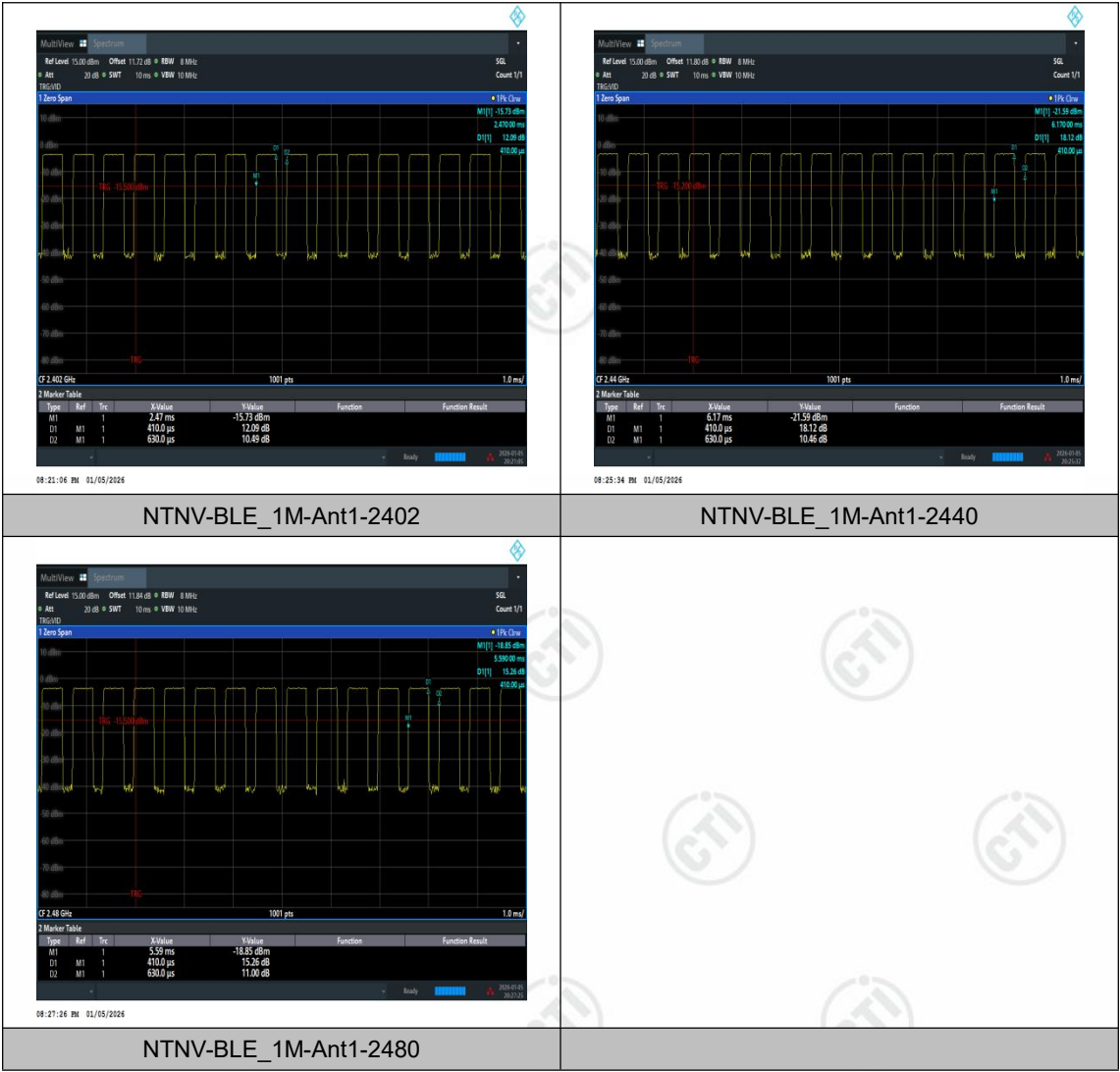


Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.41	0.63	65.08	1.87
BLE_1M	Ant1	2440	0.41	0.63	65.08	1.87
BLE_1M	Ant1	2480	0.41	0.63	65.08	1.87

Test Graphs



*** End of Report ***