

Appendix: Bluetooth LE

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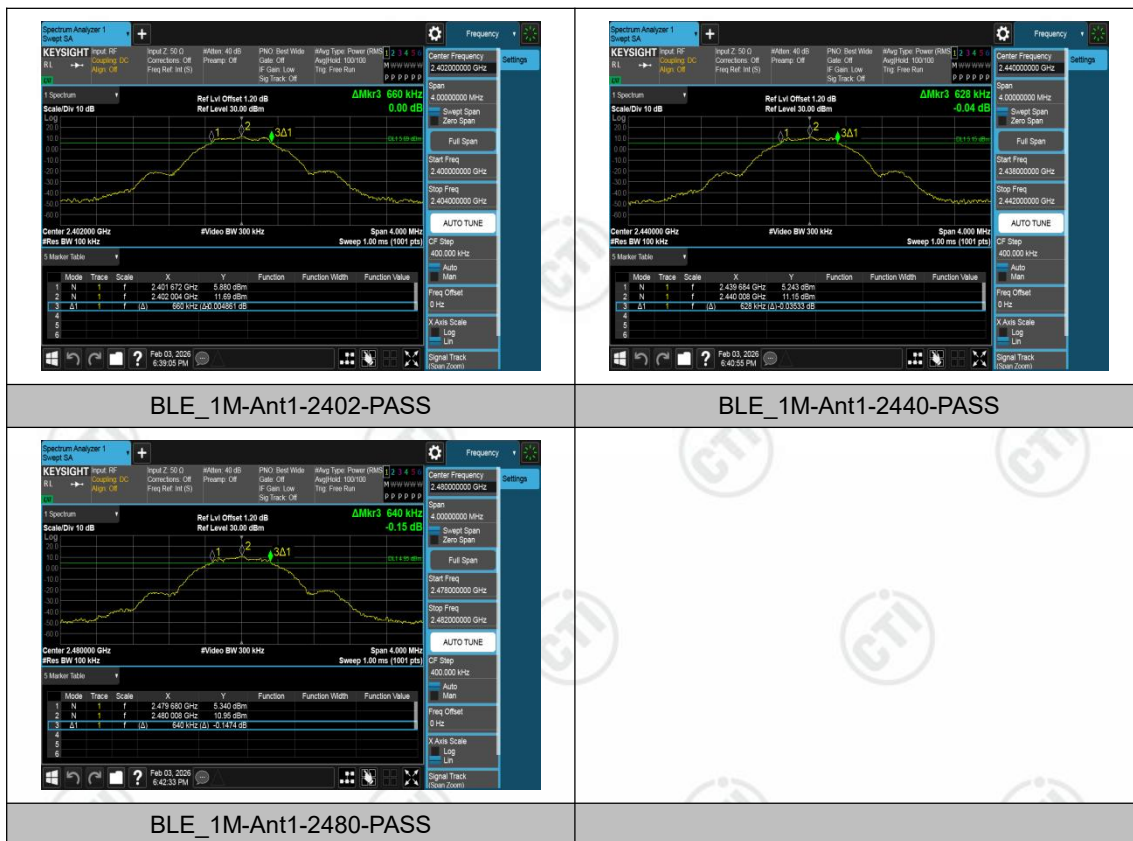
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Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.660	2401.672	2402.332	0.5	PASS
BLE_1M	Ant1	2440	0.628	2439.684	2440.312	0.5	PASS
BLE_1M	Ant1	2480	0.640	2479.680	2480.320	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	1.0265	2401.4955	2402.5220	---	---
BLE_1M	Ant1	2440	1.0351	2439.4926	2440.5277	---	---
BLE_1M	Ant1	2480	1.0216	2479.4995	2480.5211	---	---

Test Graphs

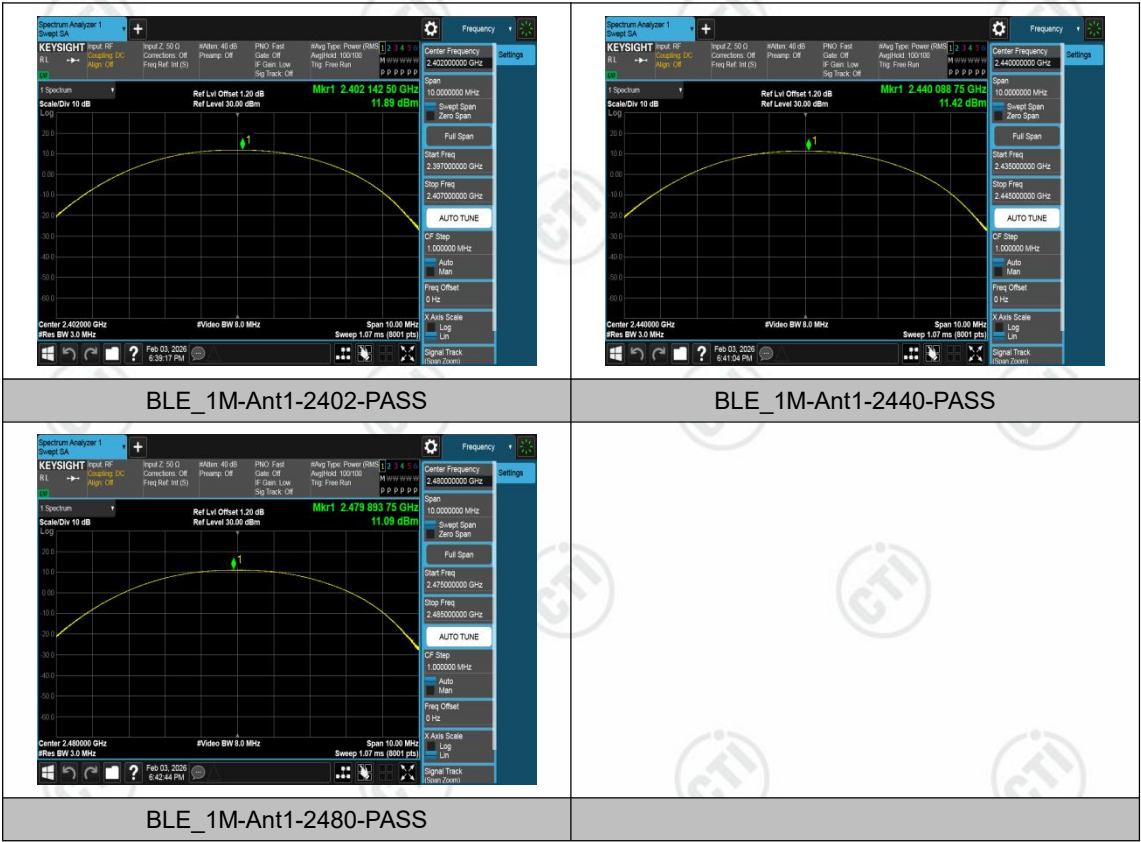


Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	11.89	≤30	PASS
BLE_1M	Ant1	2440	11.42	≤30	PASS
BLE_1M	Ant1	2480	11.09	≤30	PASS

Test Graphs Peak

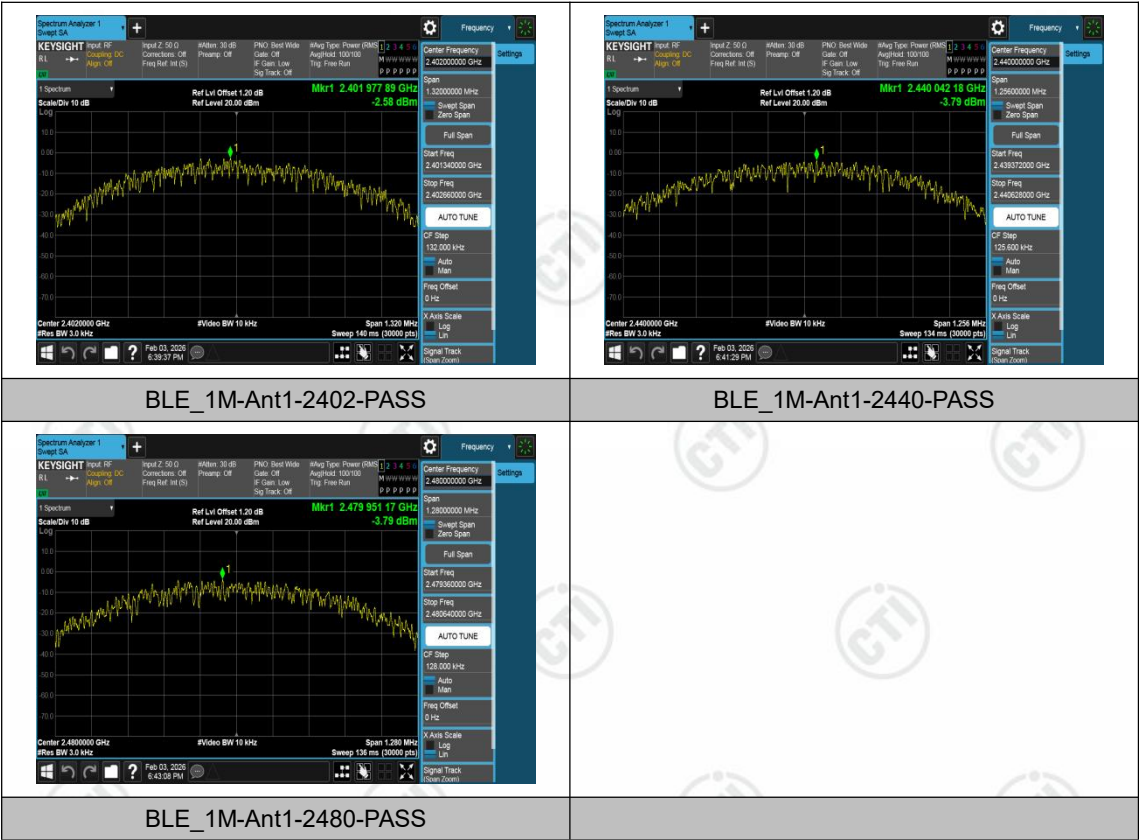


Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-2.58	≤8.00	PASS
BLE_1M	Ant1	2440	-3.79	≤8.00	PASS
BLE_1M	Ant1	2480	-3.79	≤8.00	PASS

Test Graphs

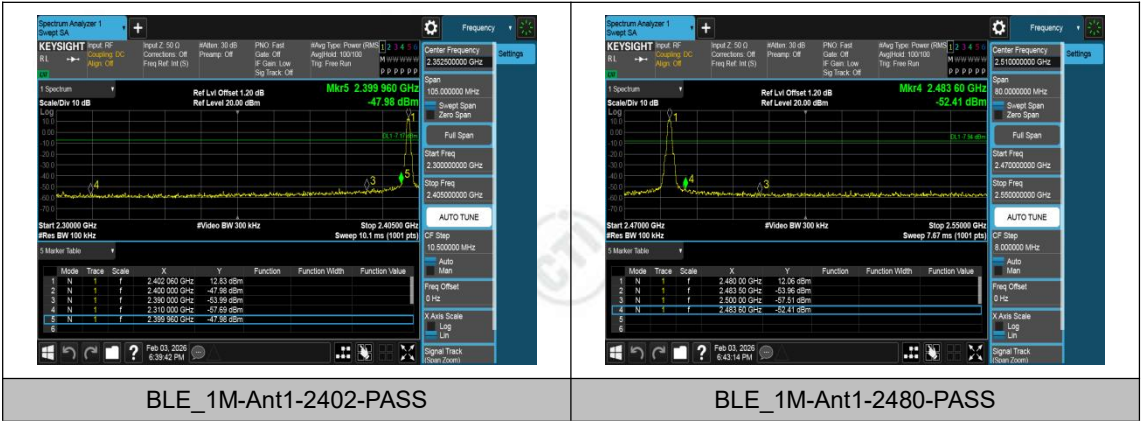


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	12.83	-47.98	≤-7.17	PASS
BLE_1M	Ant1	High	2480	12.06	-52.41	≤-7.94	PASS

Test Graphs

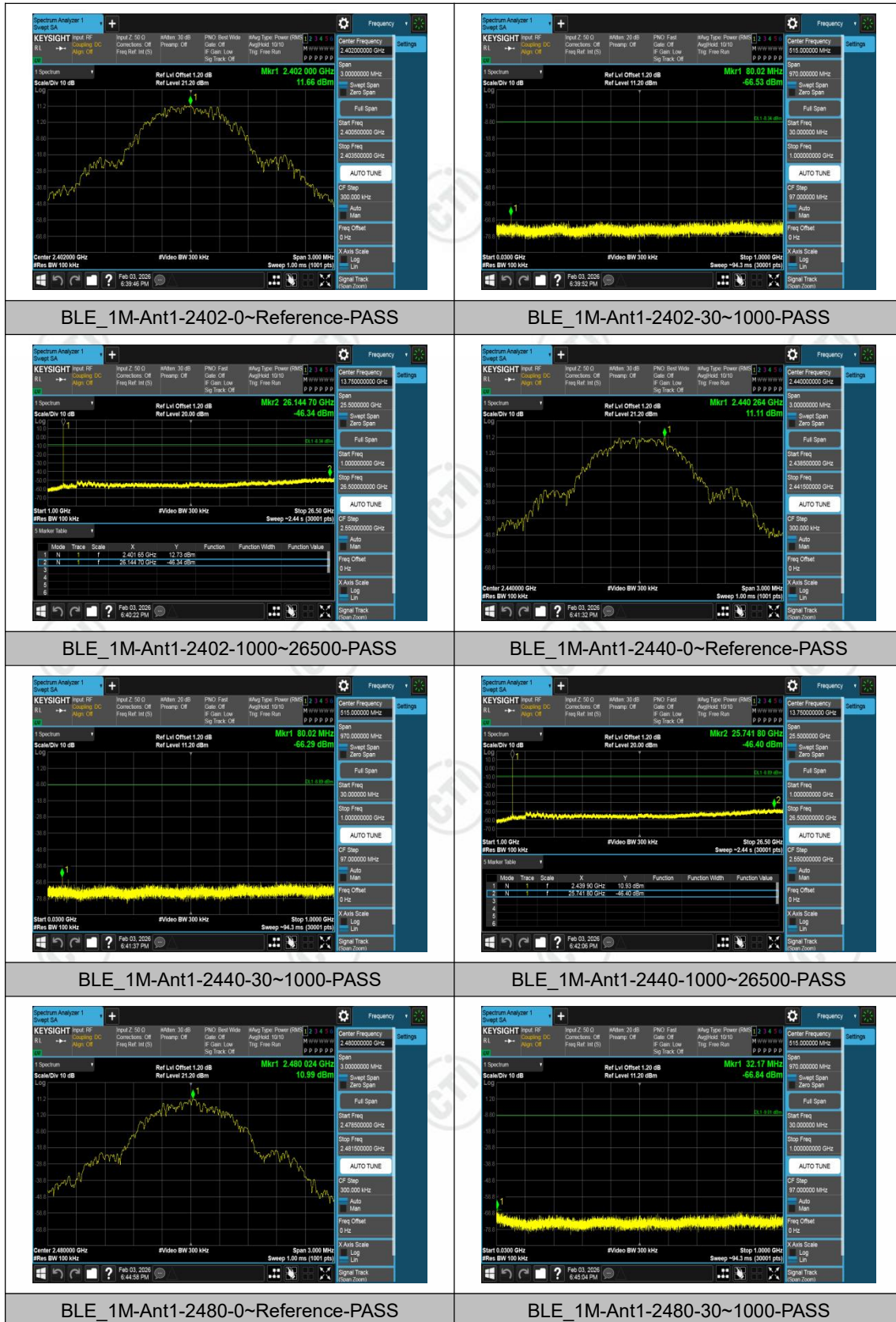


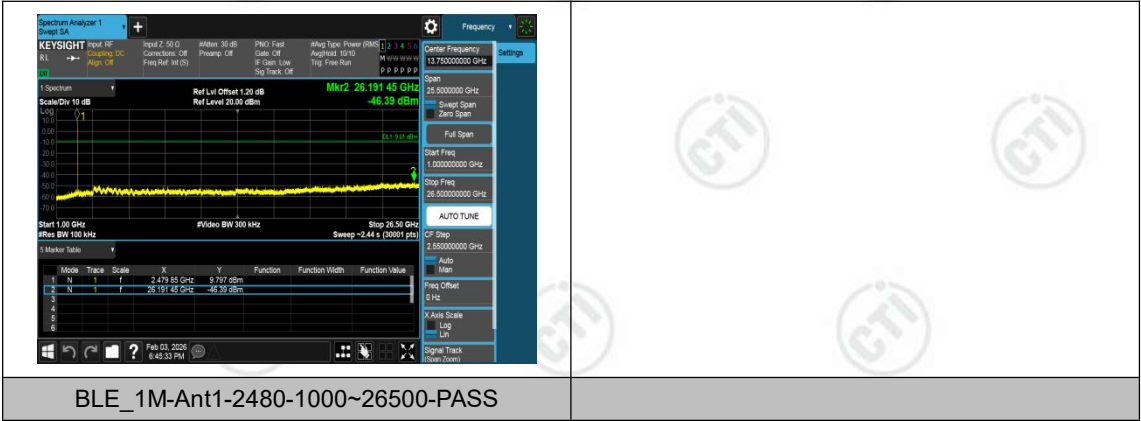
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	11.66	11.66	---	PASS
BLE_1M	Ant1	2402	30~1000	11.66	-66.53	≤-8.34	PASS
BLE_1M	Ant1	2402	1000~26500	11.66	-46.34	≤-8.34	PASS
BLE_1M	Ant1	2440	0~Reference	11.11	11.11	---	PASS
BLE_1M	Ant1	2440	30~1000	11.11	-66.29	≤-8.89	PASS
BLE_1M	Ant1	2440	1000~26500	11.11	-46.4	≤-8.89	PASS
BLE_1M	Ant1	2480	0~Reference	10.99	10.99	---	PASS
BLE_1M	Ant1	2480	30~1000	10.99	-66.84	≤-9.01	PASS
BLE_1M	Ant1	2480	1000~26500	10.99	-46.39	≤-9.01	PASS

Test Graphs



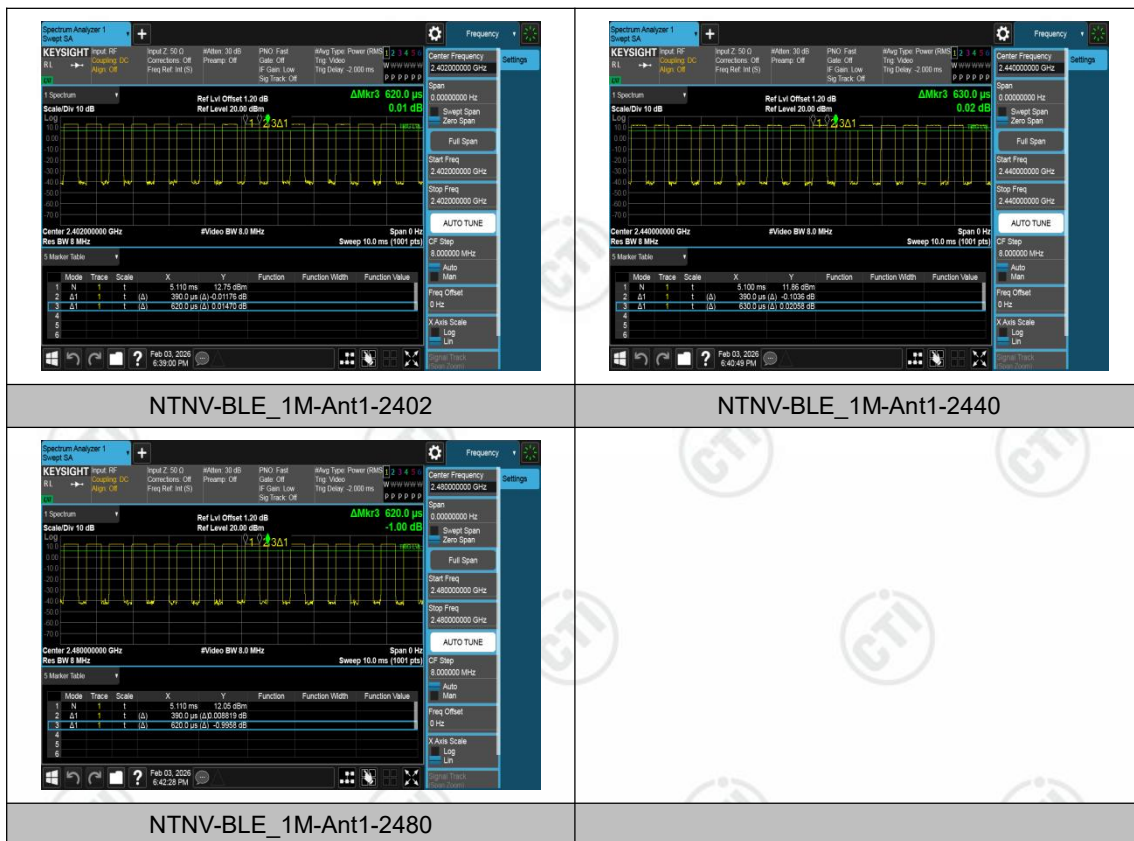


Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.39	0.62	62.90	2.01
BLE_1M	Ant1	2440	0.39	0.63	61.90	2.08
BLE_1M	Ant1	2480	0.39	0.62	62.90	2.01

Test Graphs



*** End of Report ***