

Appendix Test Data

Report No:	1812C40054312501	Test Sample NO:	1-2-2
Start Test Date:	2024.9.13	Finish Test Date:	2024.9.13
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	22.7℃	Relative Humidity:	53%
Pressure:	101 kPa		

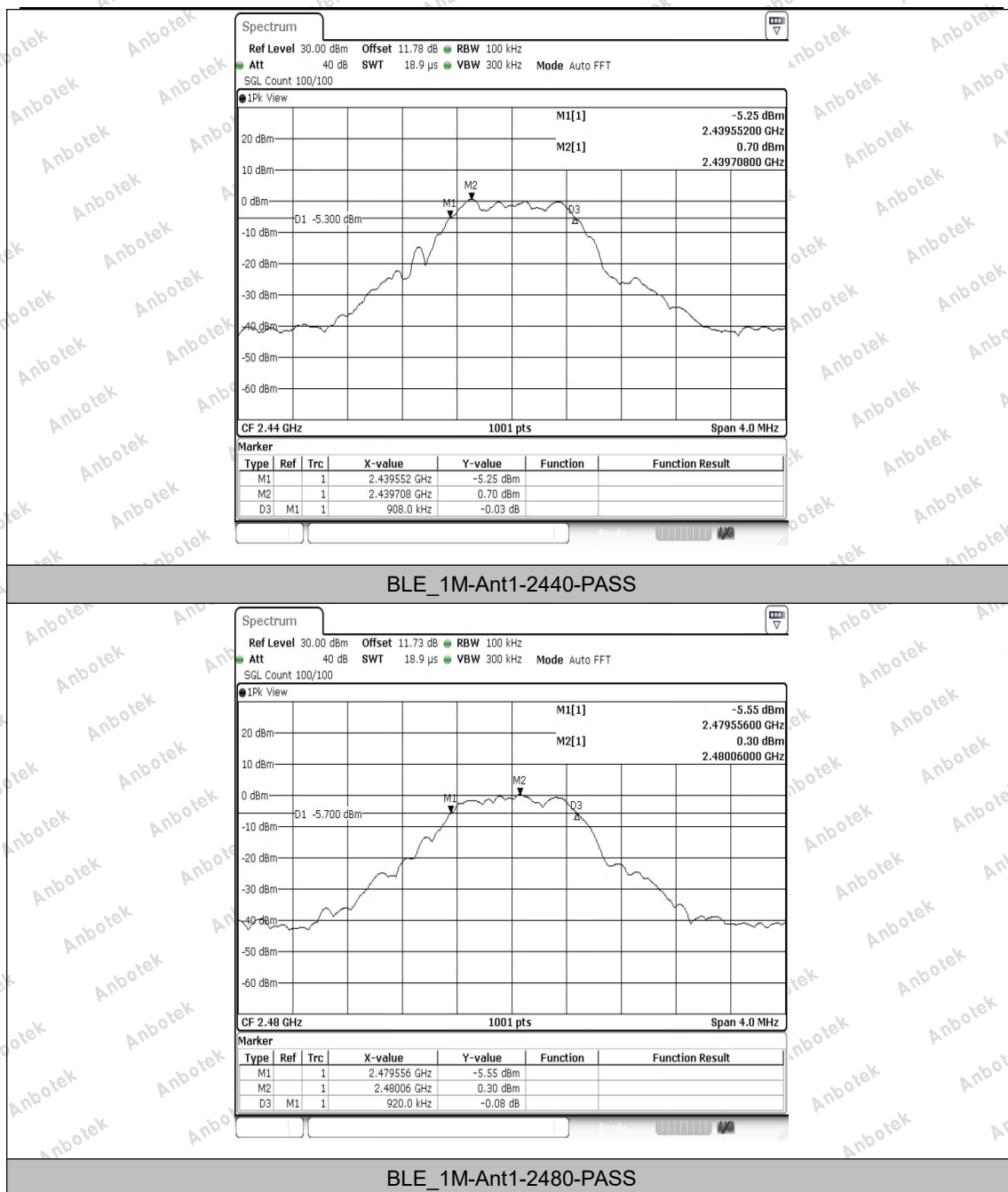
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.90	2401.56	2402.46	0.5	PASS
BLE_1M	Ant1	2440	0.91	2439.55	2440.46	0.5	PASS
BLE_1M	Ant1	2480	0.92	2479.56	2480.48	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	1.315	2401.2967	2402.6114	---	---
BLE_1M	Ant1	2440	1.243	2439.3407	2440.5834	---	---
BLE_1M	Ant1	2480	1.207	2479.3686	2480.5754	---	---

Test Graphs





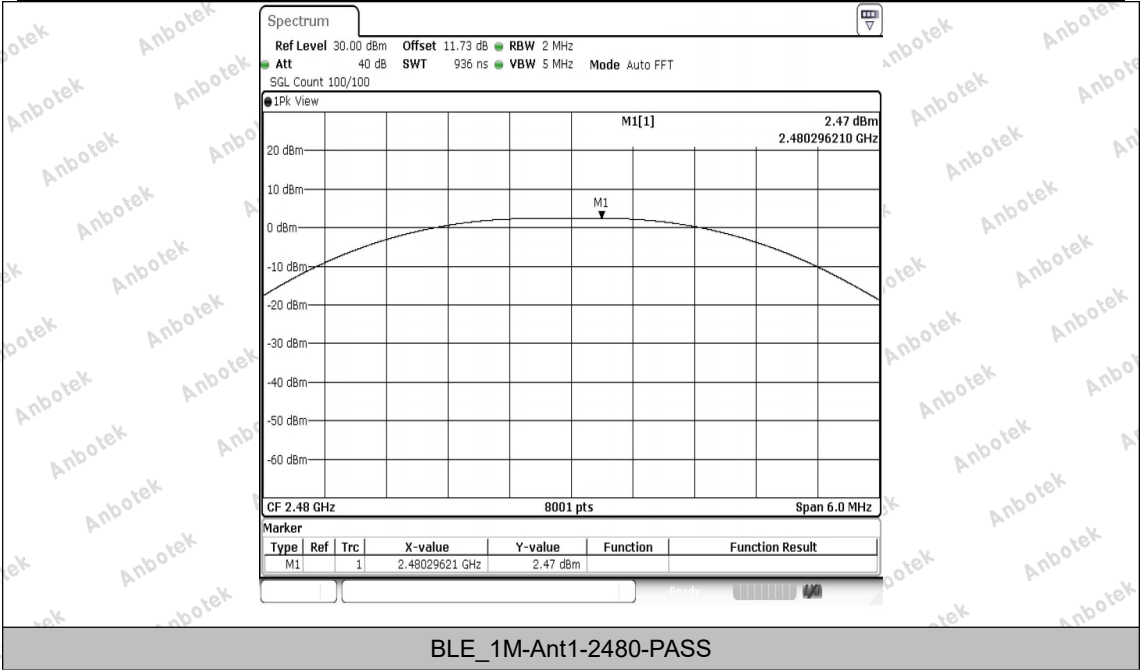
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.78	≤30	PASS
BLE_1M	Ant1	2440	2.49	≤30	PASS
BLE_1M	Ant1	2480	2.47	≤30	PASS

Test Graphs Peak



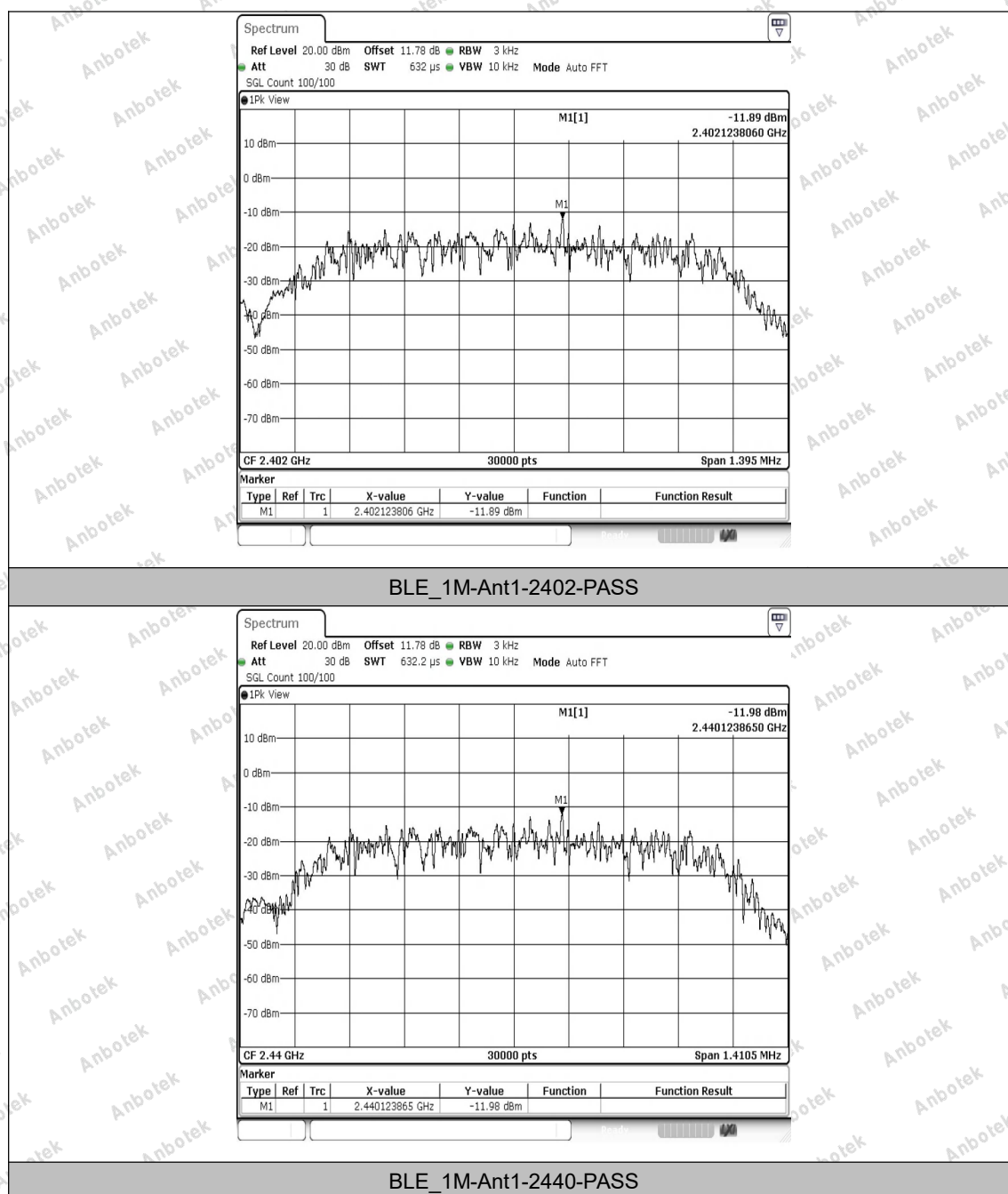


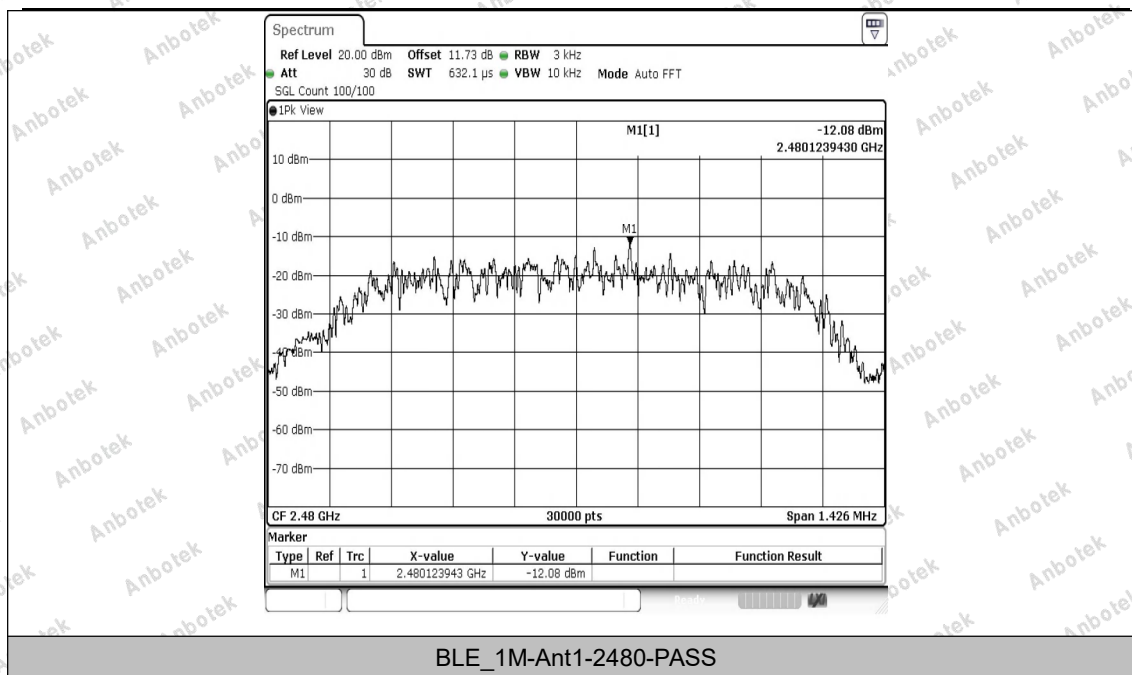
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.89	≤8.00	PASS
BLE_1M	Ant1	2440	-11.98	≤8.00	PASS
BLE_1M	Ant1	2480	-12.08	≤8.00	PASS

Test Graphs





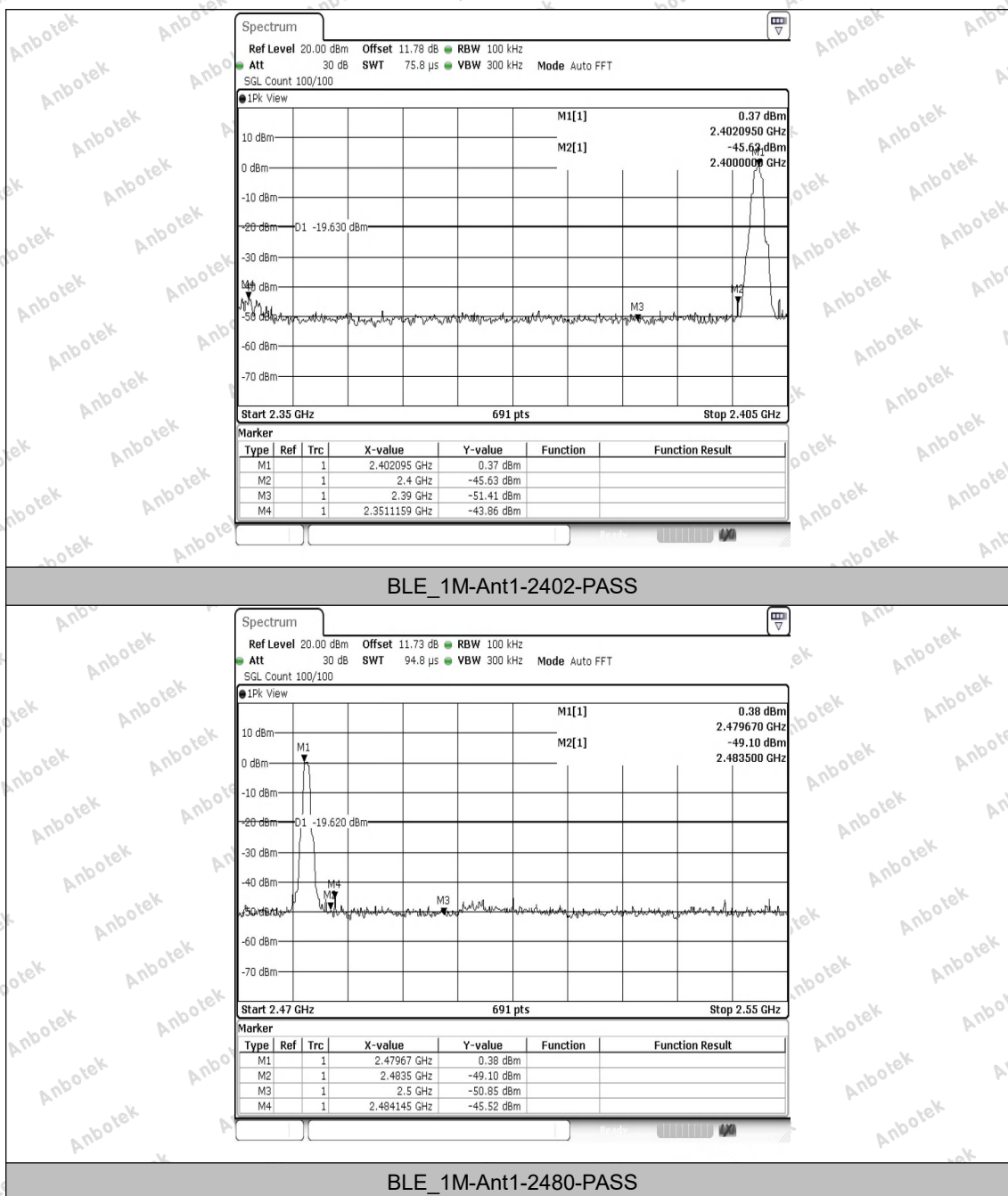
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.37	-43.86	≤-19.63	PASS
BLE_1M	Ant1	High	2480	0.38	-45.52	≤-19.62	PASS



Test Graphs

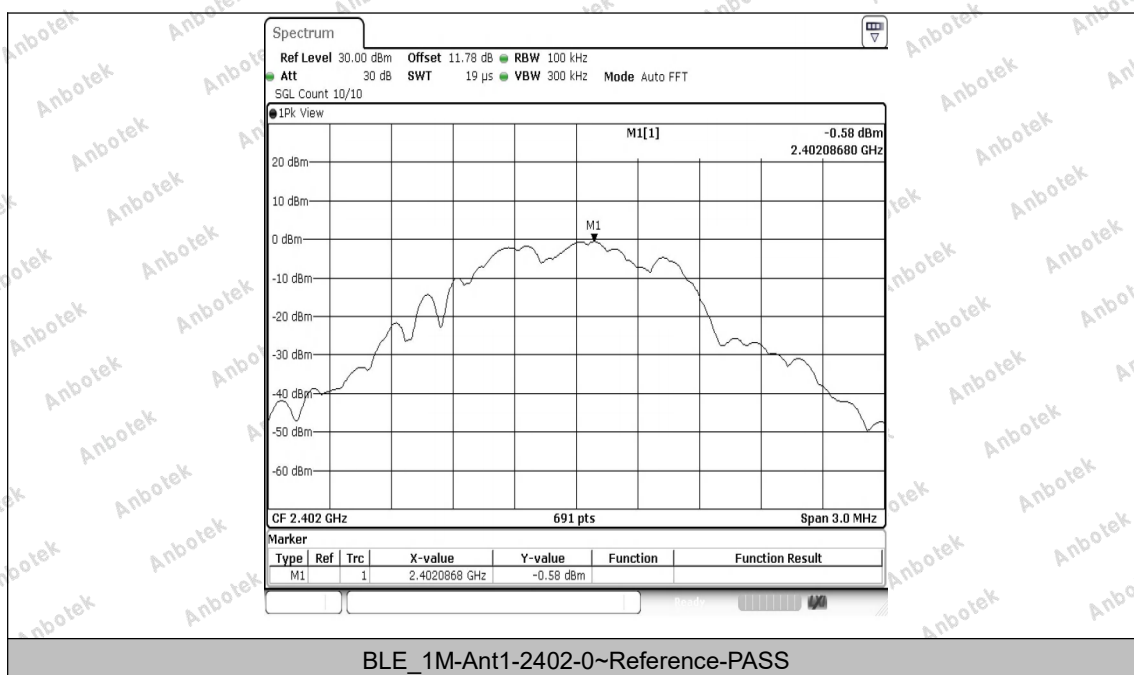


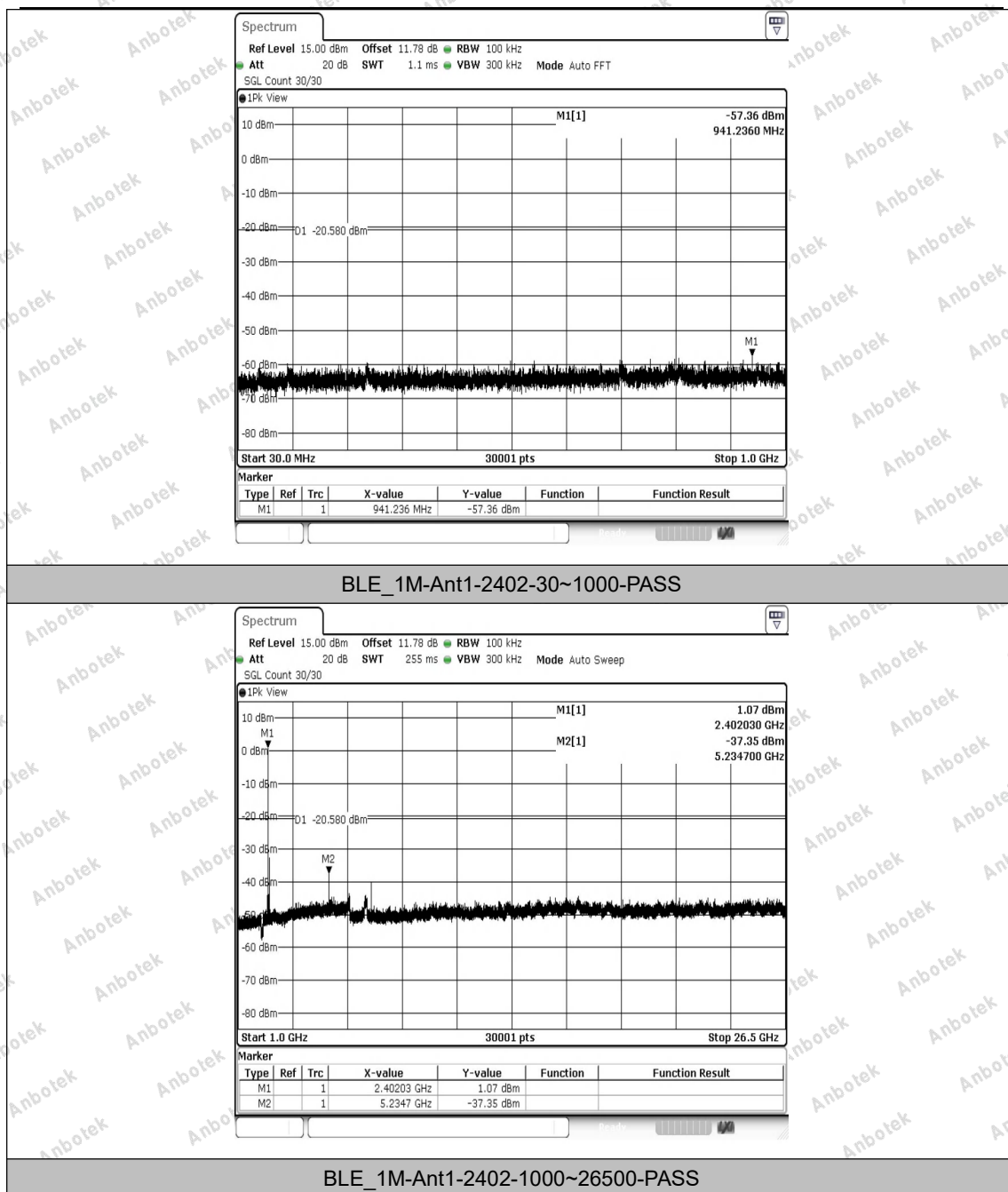
Appendix F: Conducted Spurious Emission

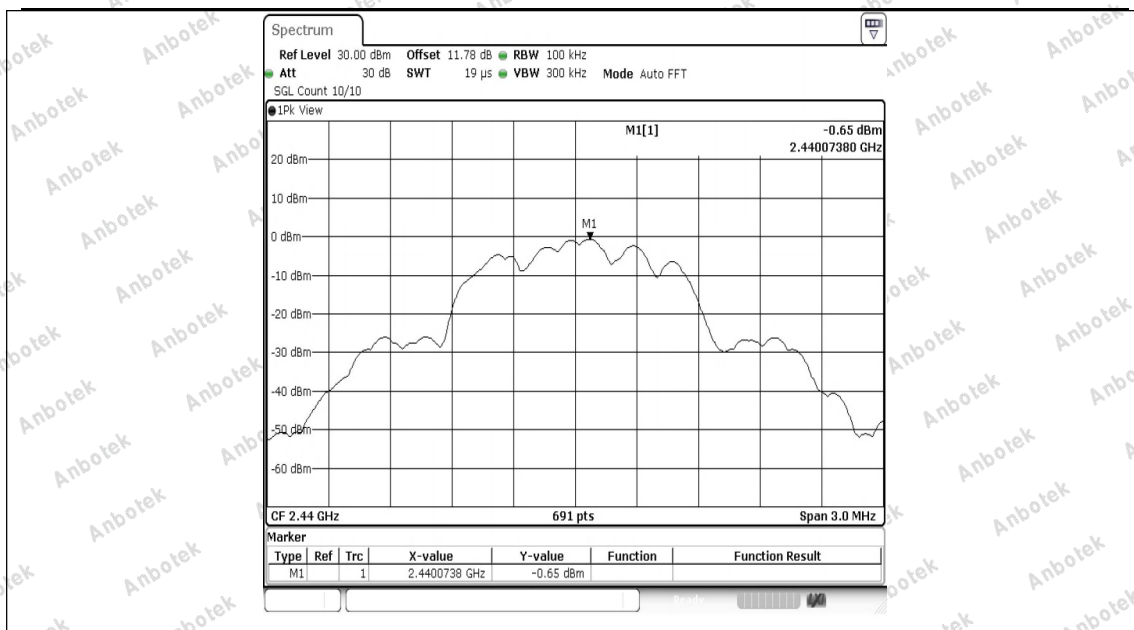
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-0.58	-0.58	---	PASS
BLE_1M	Ant1	2402	30~1000	-0.58	-57.36	≤-20.58	PASS
BLE_1M	Ant1	2402	1000~26500	-0.58	-37.35	≤-20.58	PASS
BLE_1M	Ant1	2440	0~Reference	-0.65	-0.65	---	PASS
BLE_1M	Ant1	2440	30~1000	-0.65	-47.92	≤-20.65	PASS
BLE_1M	Ant1	2440	1000~26500	-0.65	-43.01	≤-20.65	PASS
BLE_1M	Ant1	2480	0~Reference	0.48	0.48	---	PASS
BLE_1M	Ant1	2480	30~1000	0.48	-56.33	≤-19.52	PASS
BLE_1M	Ant1	2480	1000~26500	0.48	-26.42	≤-19.52	PASS

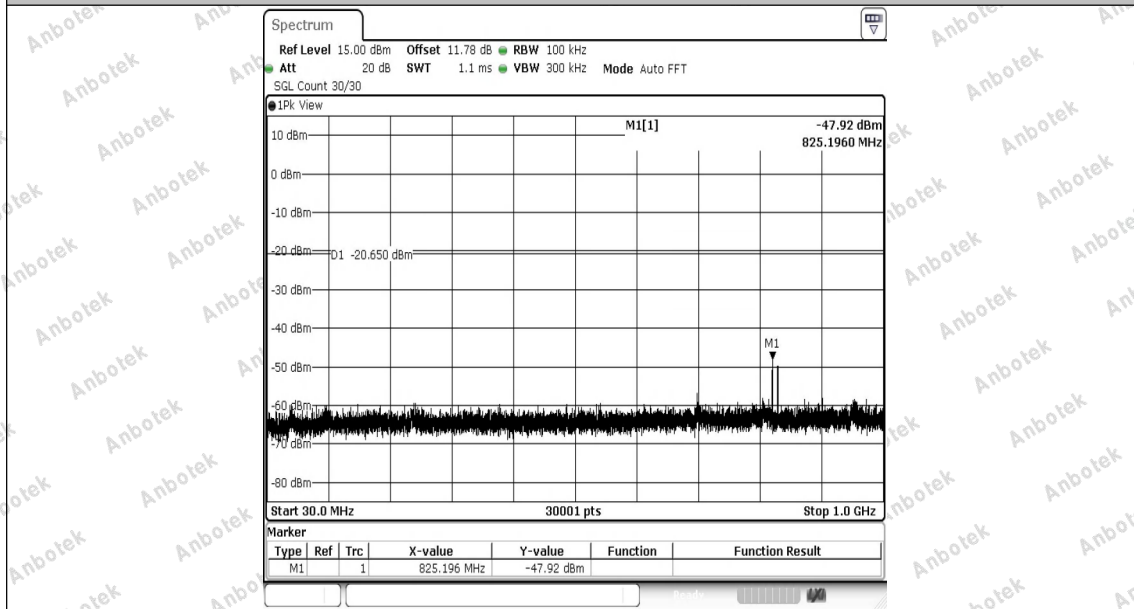
Test Graphs





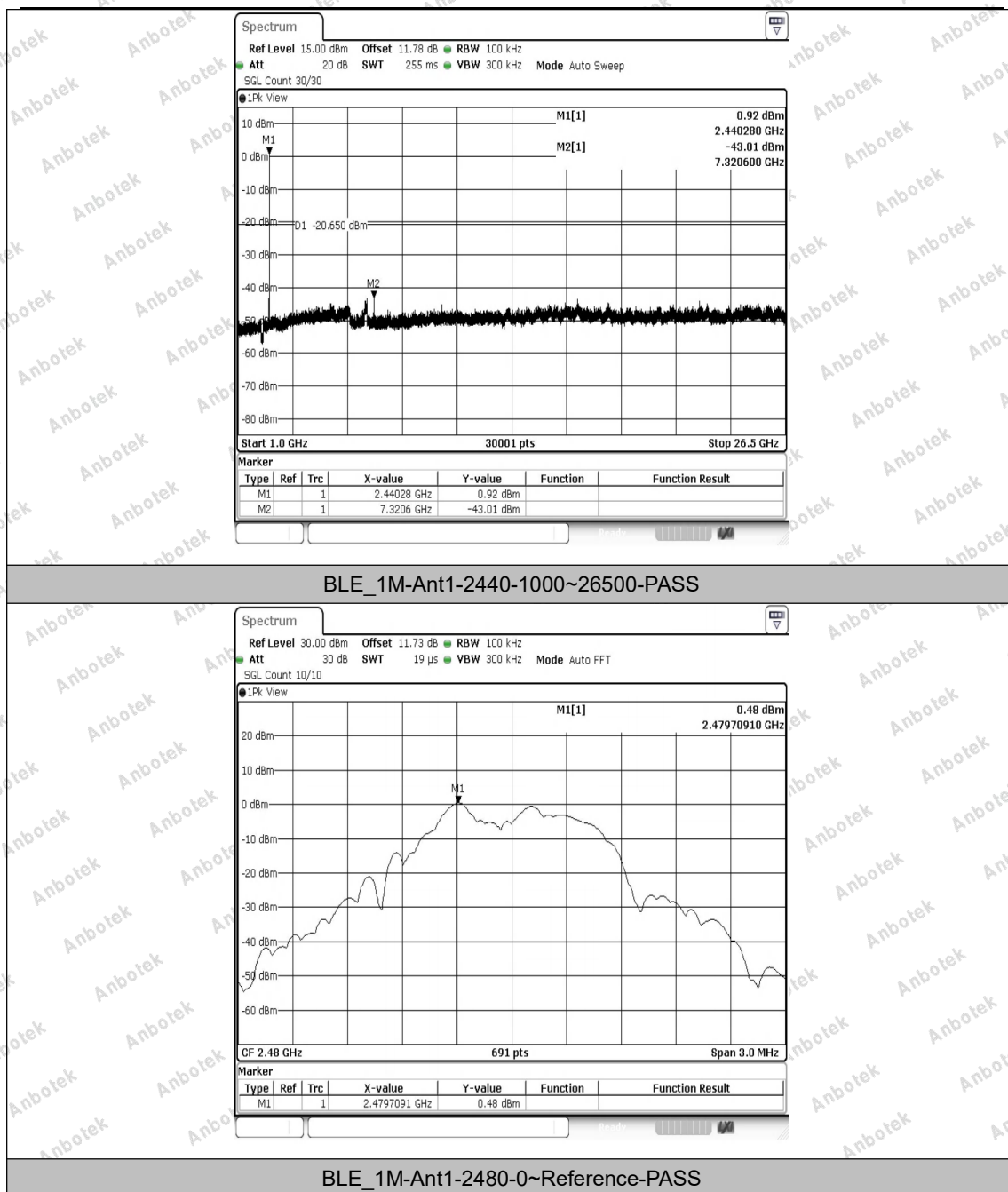


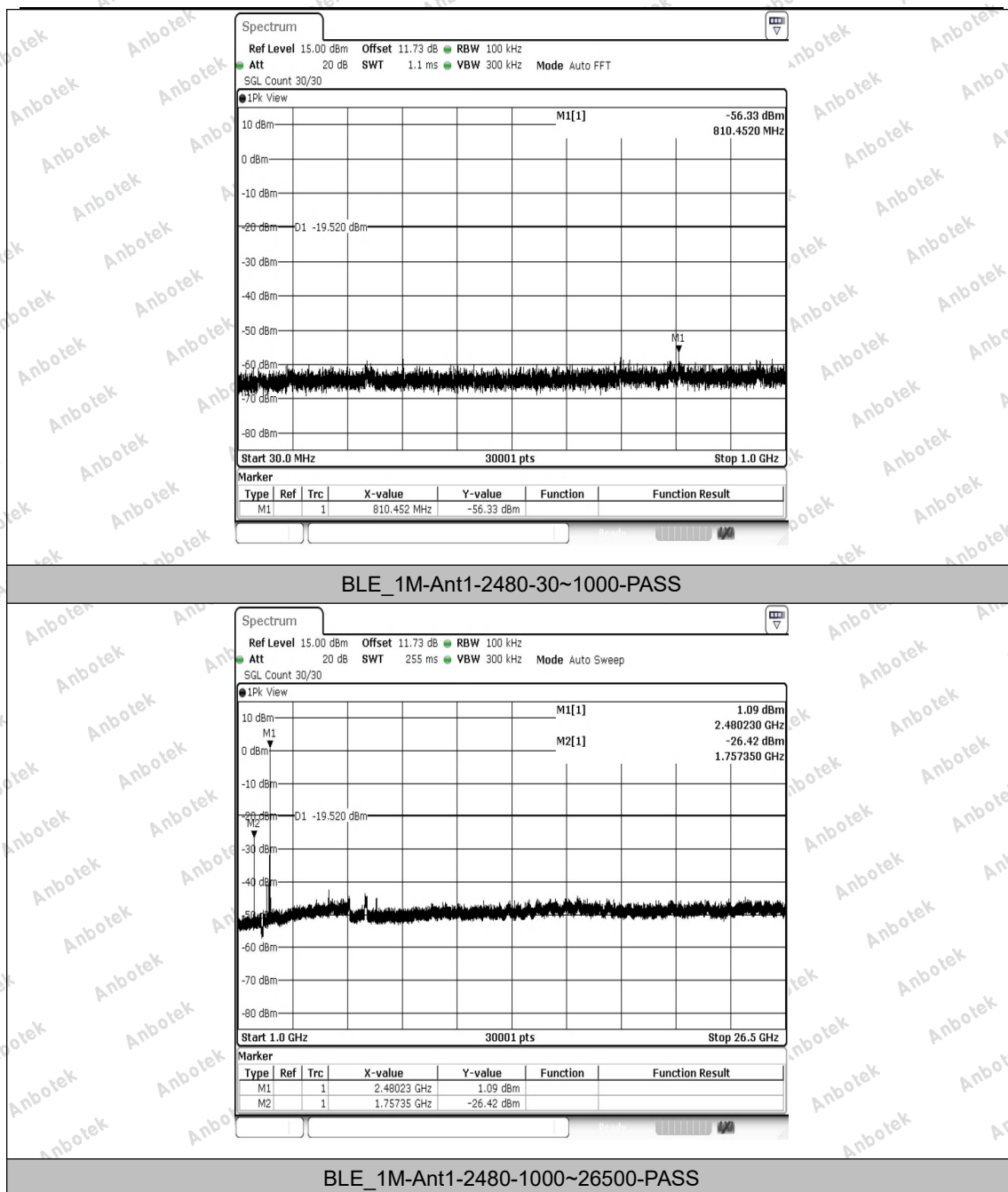
BLE_1M-Ant1-2440-0~Reference-PASS



BLE_1M-Ant1-2440-30~1000-PASS





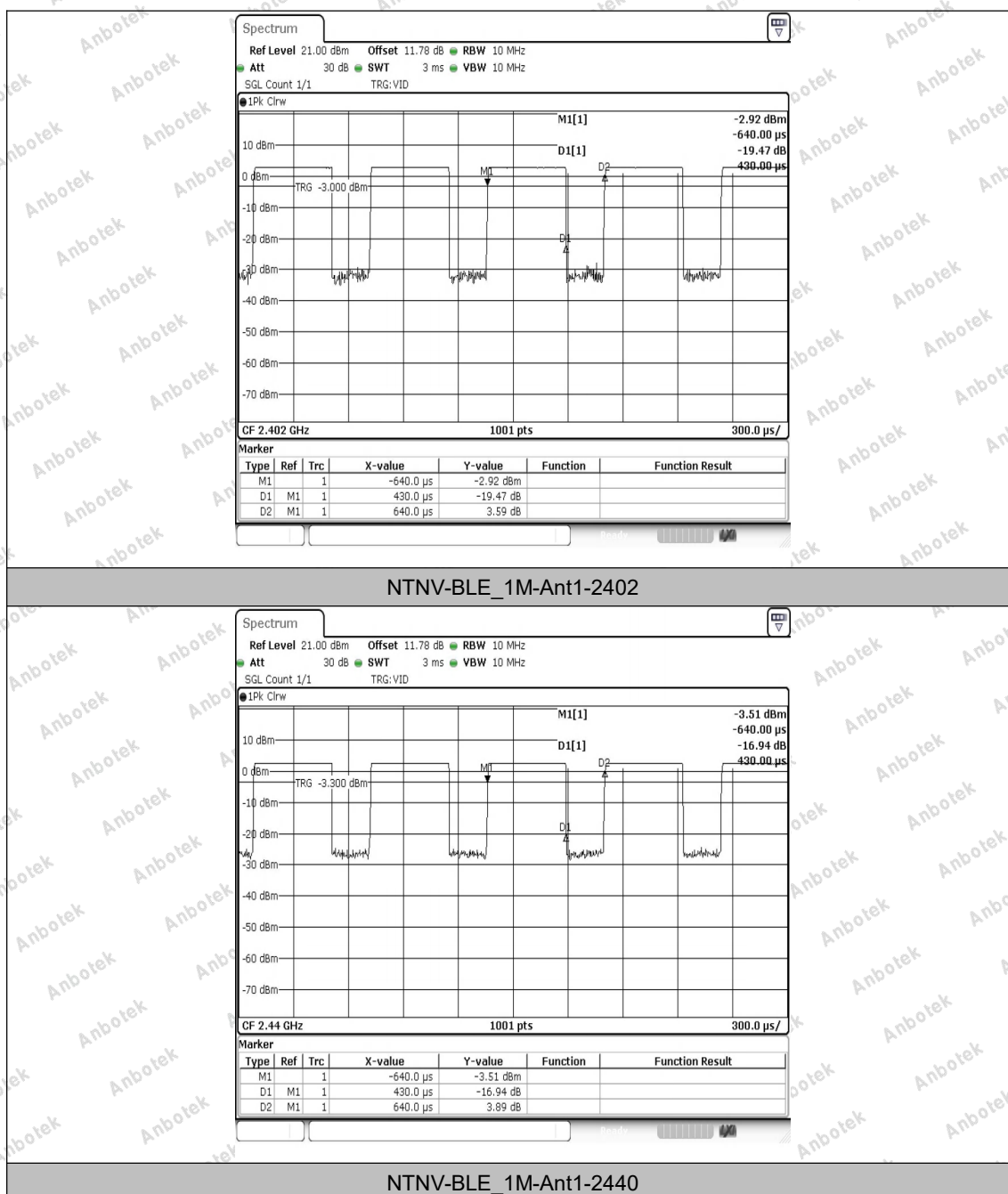


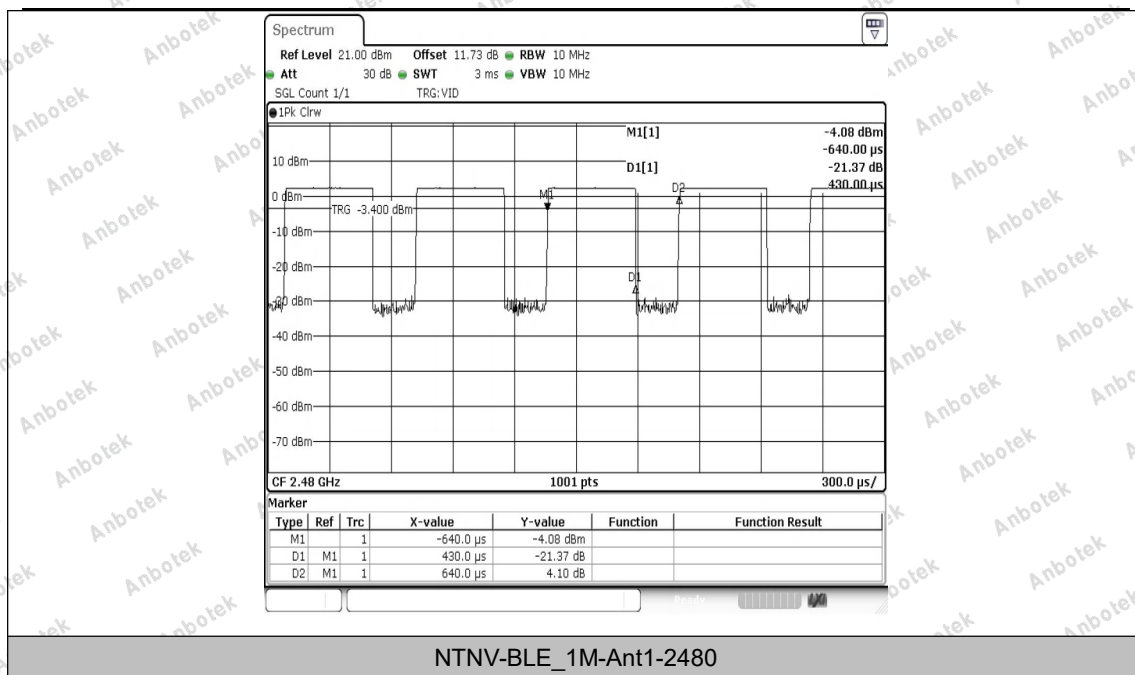
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.43	0.64	67.19	1.73
BLE_1M	Ant1	2440	0.43	0.64	67.19	1.73
BLE_1M	Ant1	2480	0.43	0.64	67.19	1.73

Test Graphs





---END---

