

Appendix Test Data

Report No:	1812C40087612501	Test Sample NO:	1-2-2
Start Test Date:	2024.10.10	Finish Test Date:	2024.10.10
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	23.1℃	Relative Humidity:	48%
Pressure:	101 kPa		

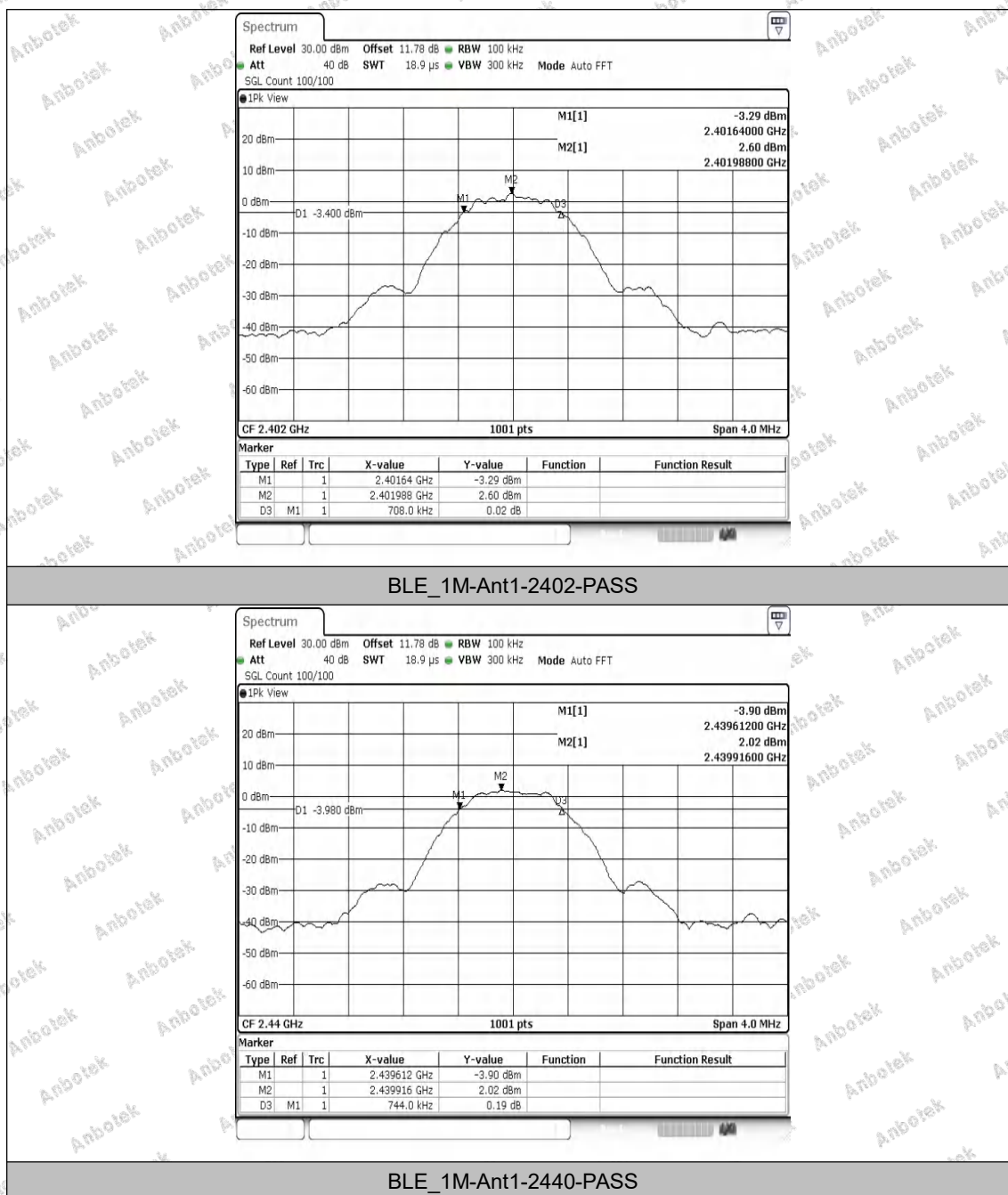
Appendix A: DTS Bandwidth

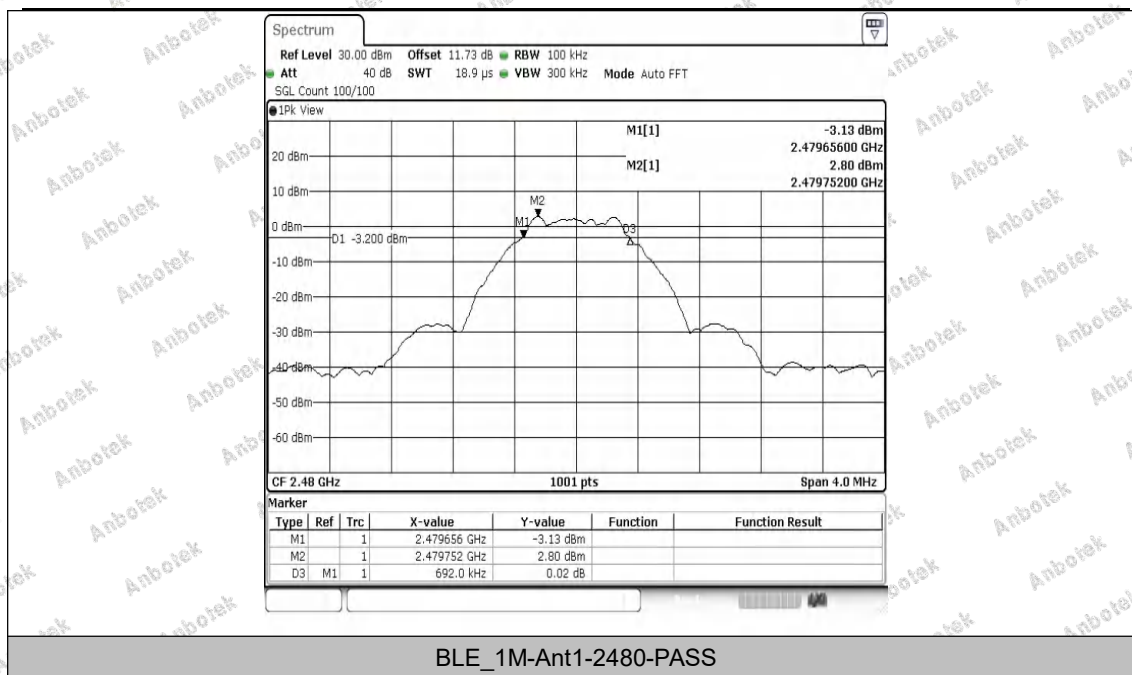
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.71	2401.64	2402.35	0.5	PASS
BLE_1M	Ant1	2440	0.74	2439.61	2440.36	0.5	PASS
BLE_1M	Ant1	2480	0.69	2479.66	2480.35	0.5	PASS



Test Graphs





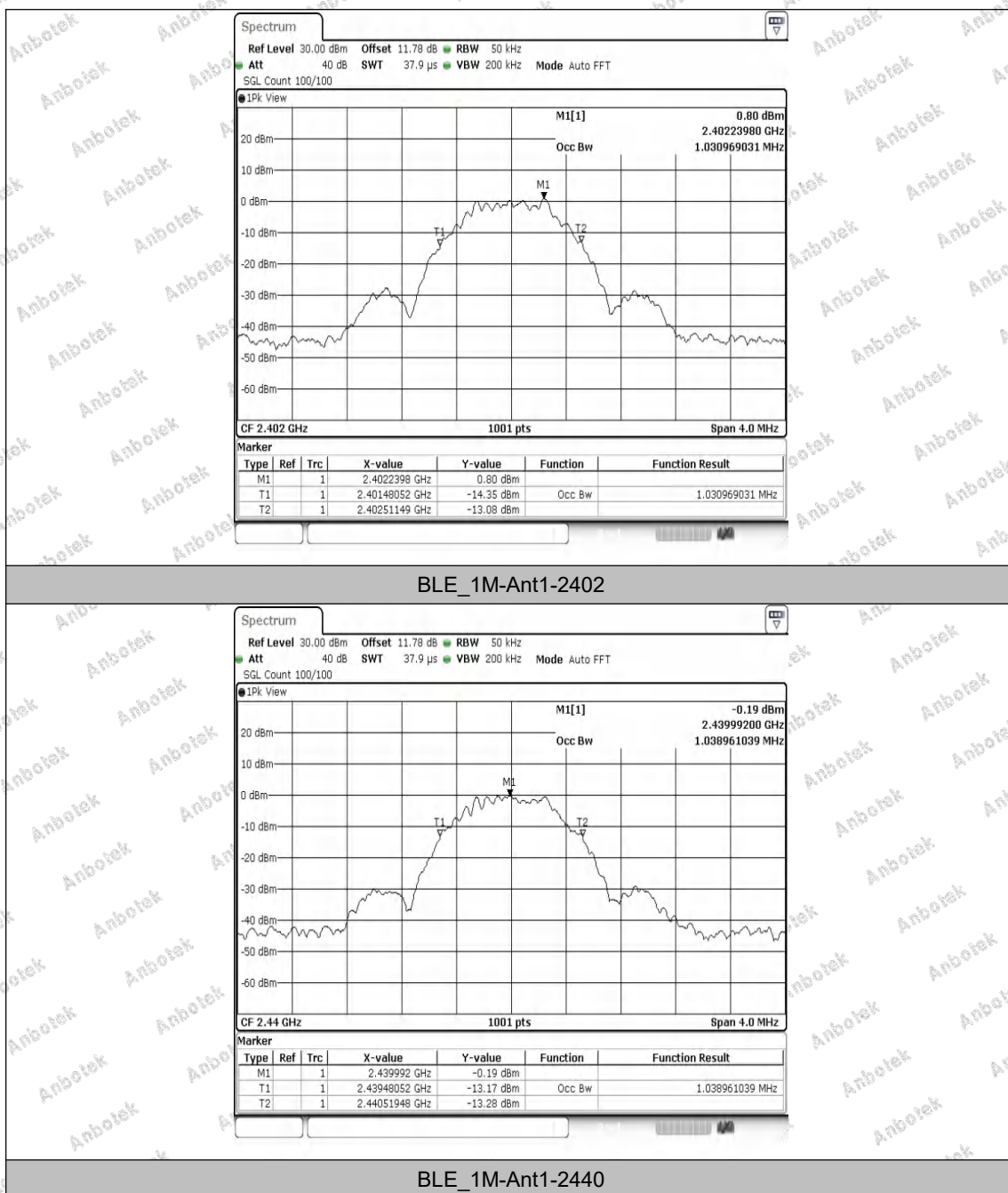
Appendix B: Occupied Channel Bandwidth

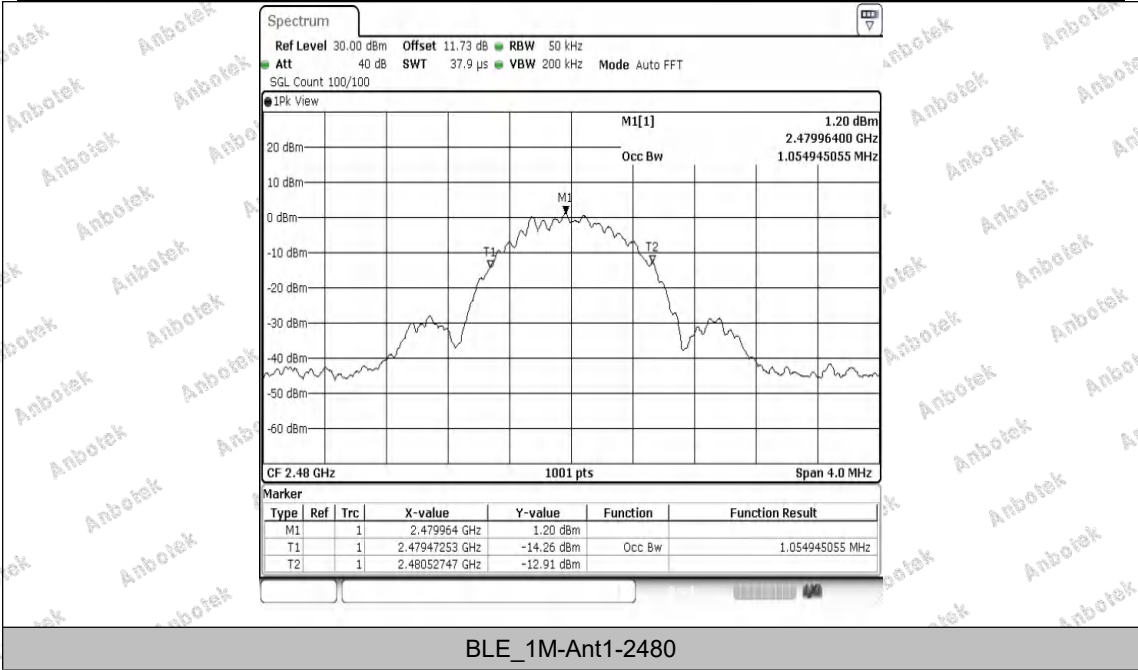
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.031	2401.4805	2402.5115	---	---
BLE_1M	Ant1	2440	1.039	2439.4805	2440.5195	---	---
BLE_1M	Ant1	2480	1.055	2479.4725	2480.5275	---	---



Test Graphs





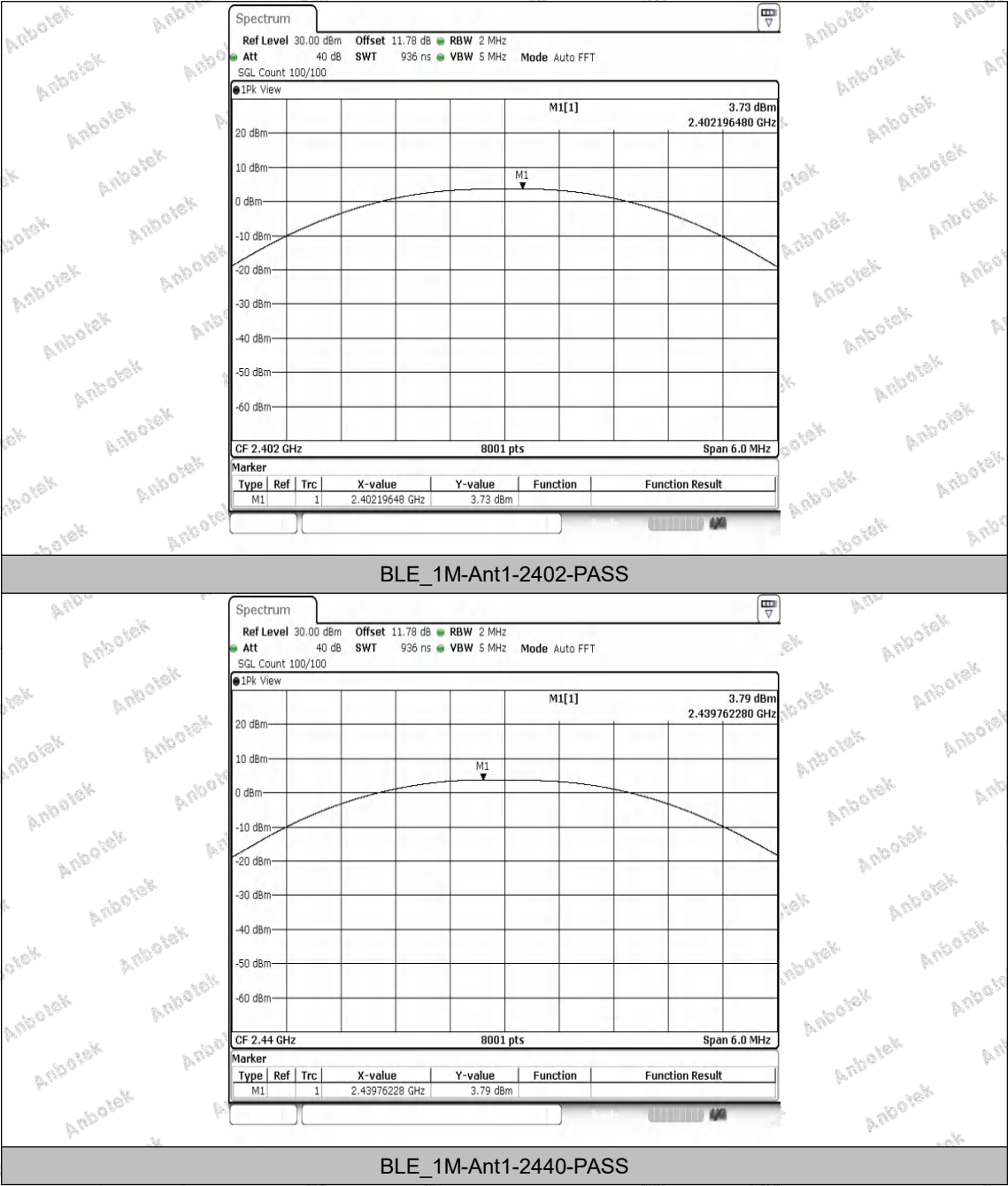
Appendix C: Maximum conducted output power

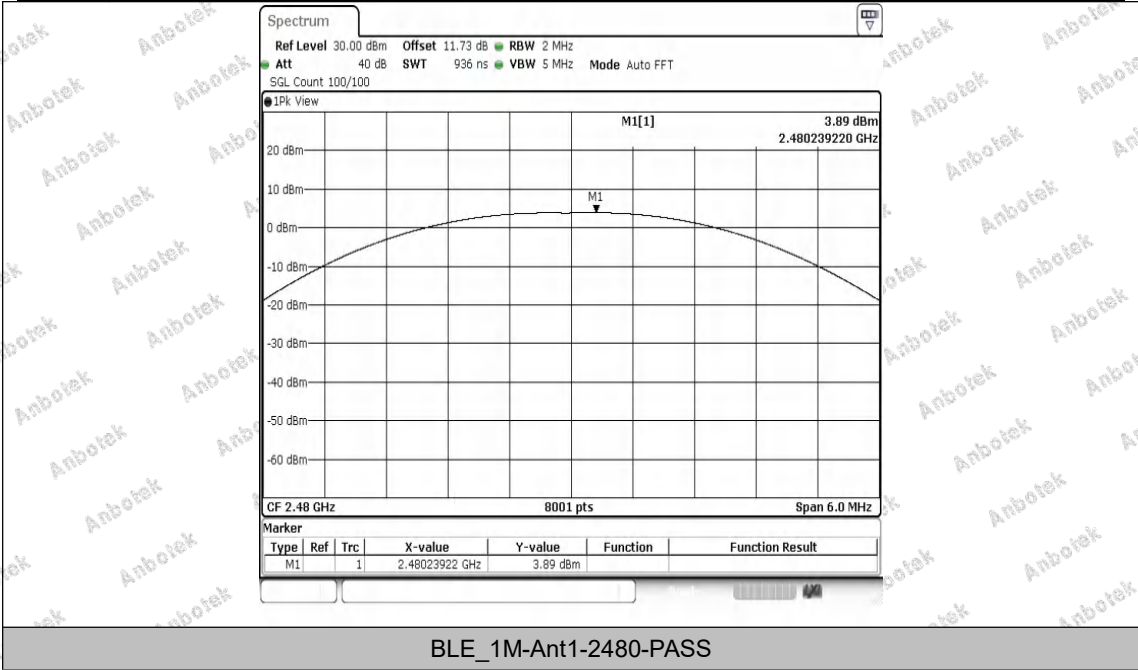
Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.73	≤30	PASS
BLE_1M	Ant1	2440	3.79	≤30	PASS
BLE_1M	Ant1	2480	3.89	≤30	PASS



Test Graphs Peak





Appendix D: Maximum power spectral density

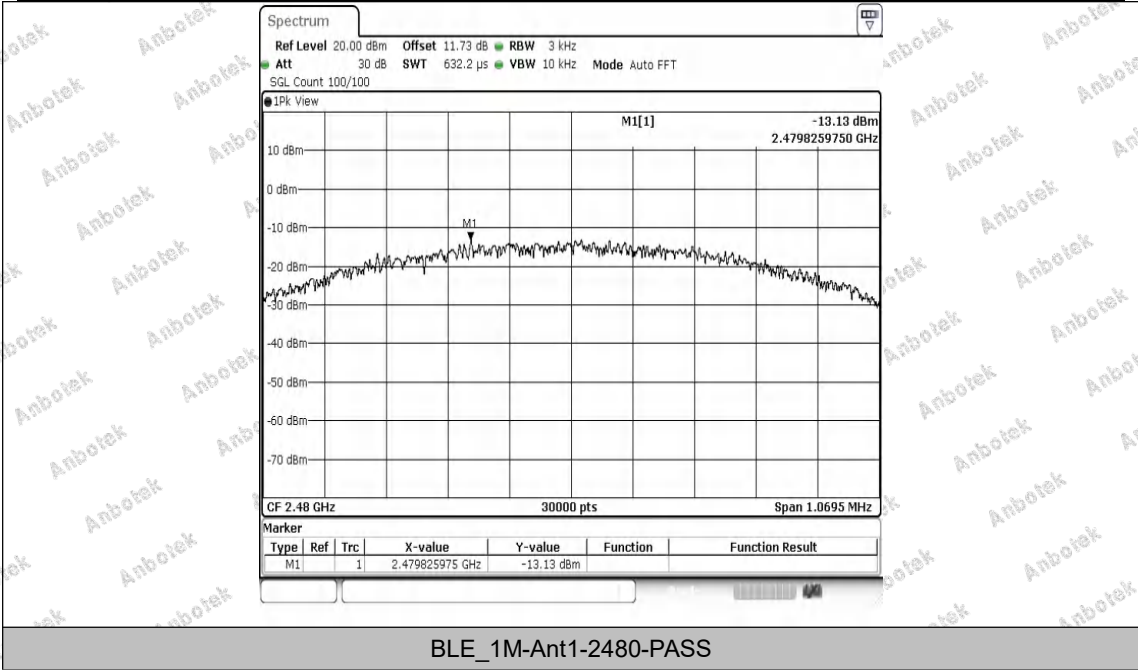
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.26	≤8.00	PASS
BLE_1M	Ant1	2440	-13.19	≤8.00	PASS
BLE_1M	Ant1	2480	-13.13	≤8.00	PASS



Test Graphs





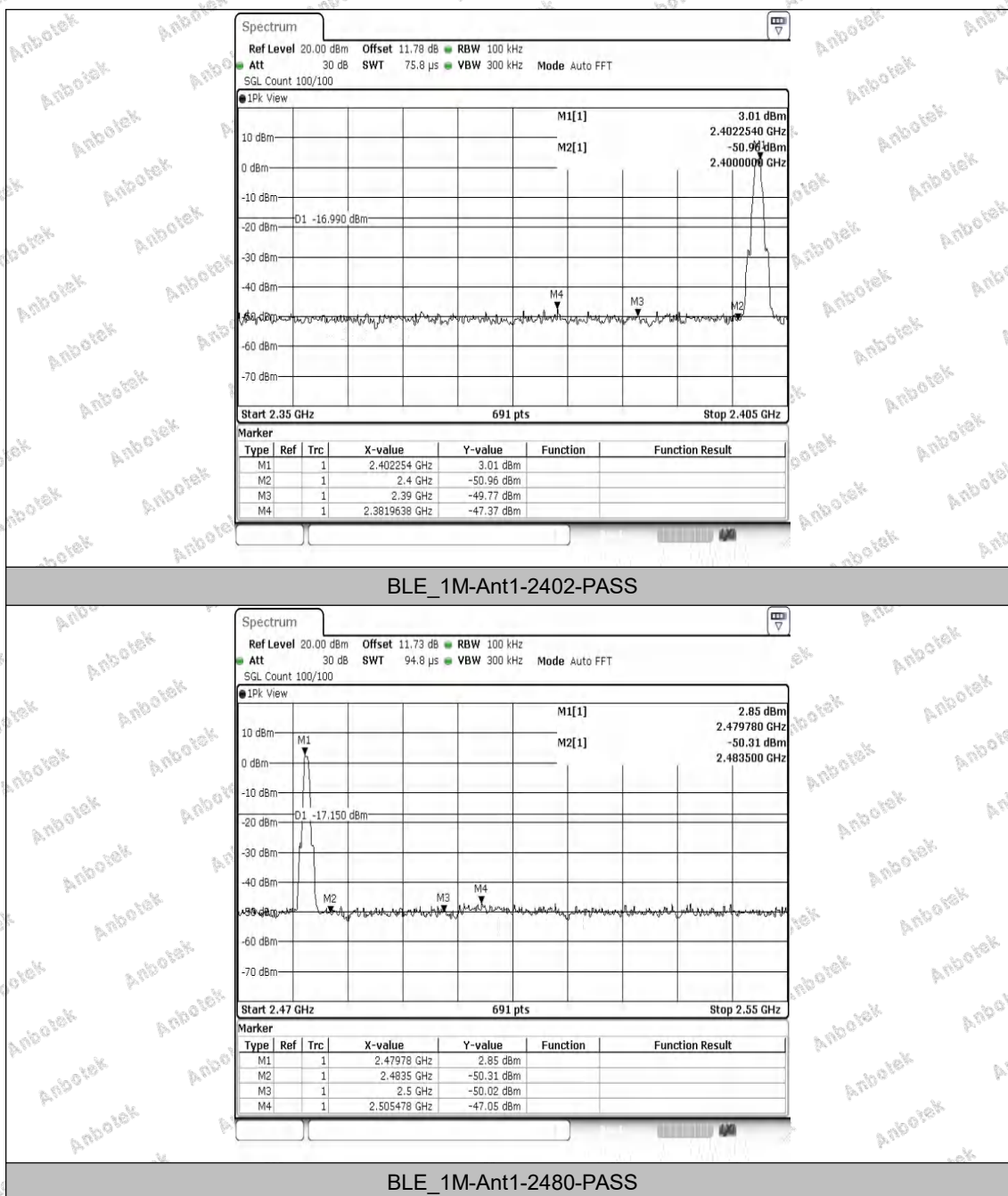
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.01	-47.37	≤-16.99	PASS
BLE_1M	Ant1	High	2480	2.85	-47.05	≤-17.15	PASS



Test Graphs



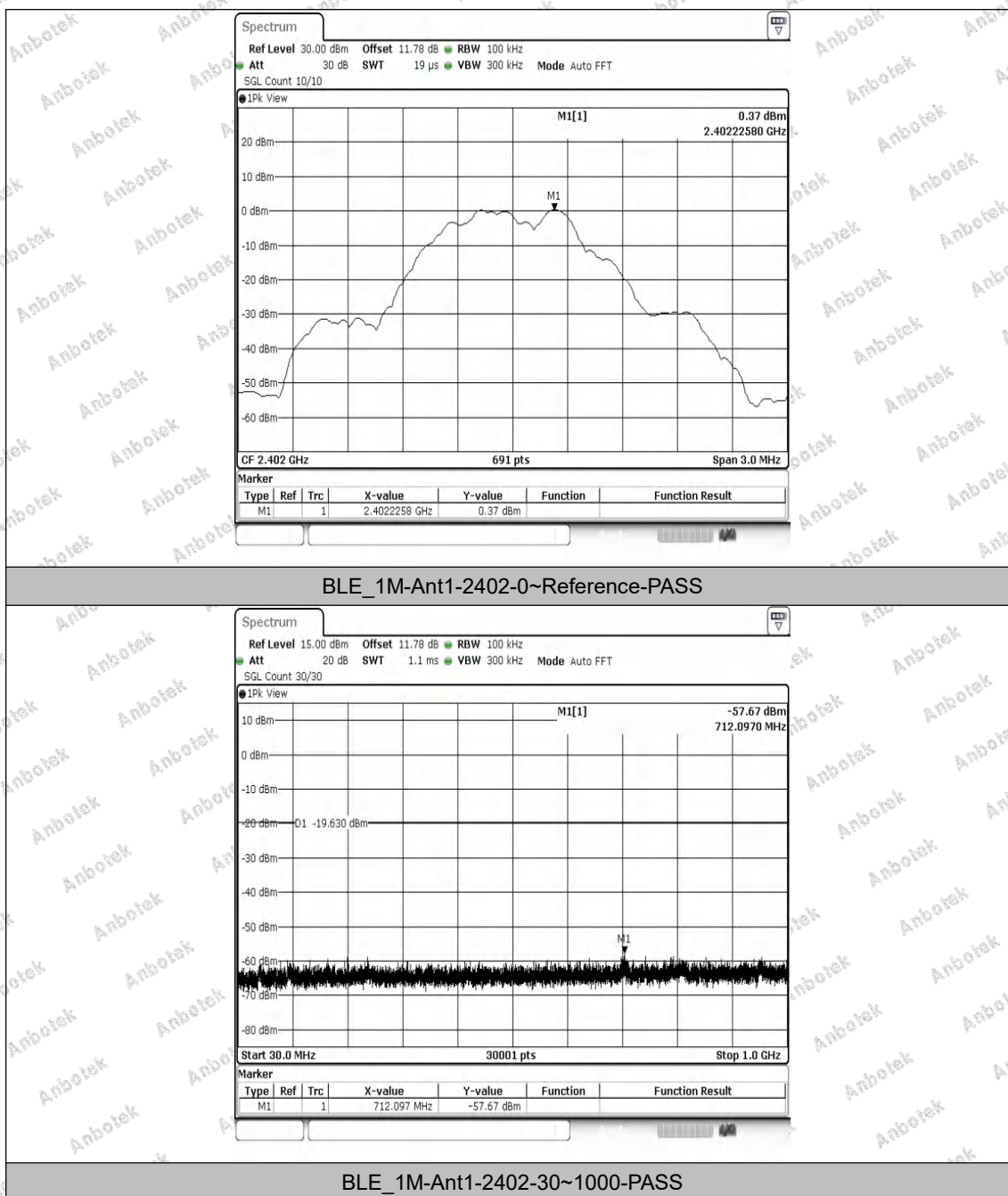
Appendix F: Conducted Spurious Emission

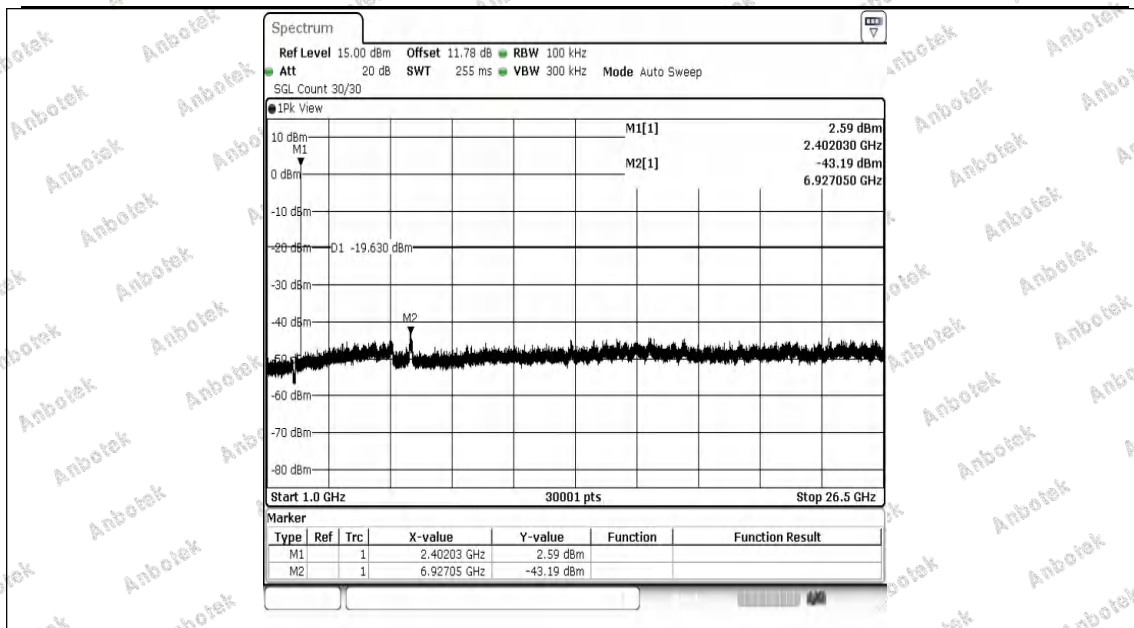
Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	0.37	0.37	---	PASS
BLE_1M	Ant1	2402	30~1000	0.37	-57.67	≤-19.63	PASS
BLE_1M	Ant1	2402	1000~26500	0.37	-43.19	≤-19.63	PASS
BLE_1M	Ant1	2440	0~Reference	1.88	1.88	---	PASS
BLE_1M	Ant1	2440	30~1000	1.88	-57.64	≤-18.12	PASS
BLE_1M	Ant1	2440	1000~26500	1.88	-44.16	≤-18.12	PASS
BLE_1M	Ant1	2480	0~Reference	1.90	1.90	---	PASS
BLE_1M	Ant1	2480	30~1000	1.90	-58.19	≤-18.1	PASS
BLE_1M	Ant1	2480	1000~26500	1.90	-44.11	≤-18.1	PASS

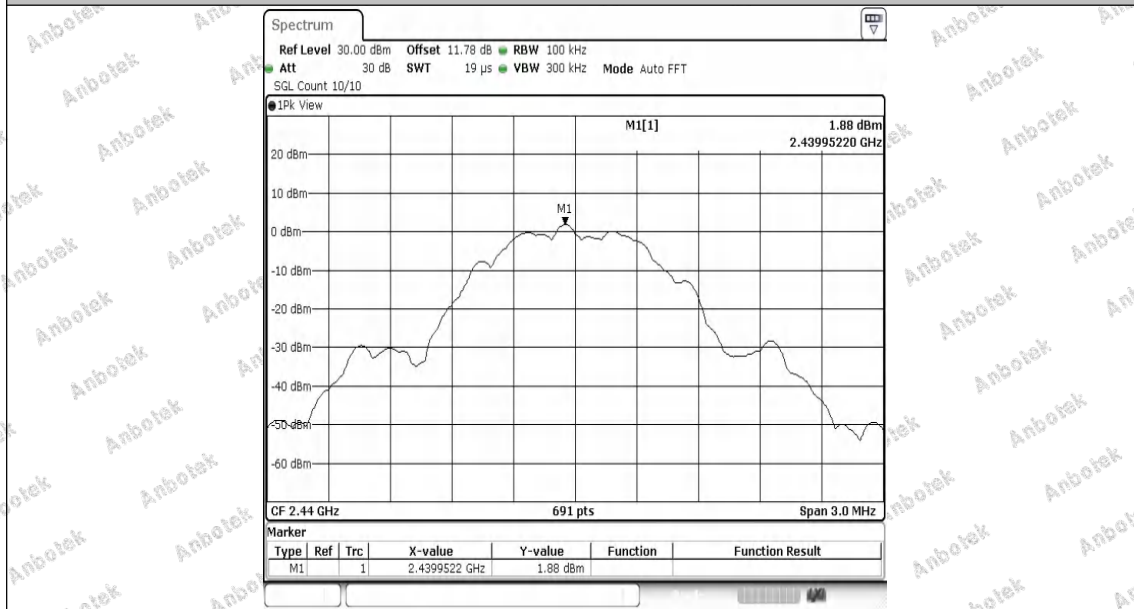


Test Graphs



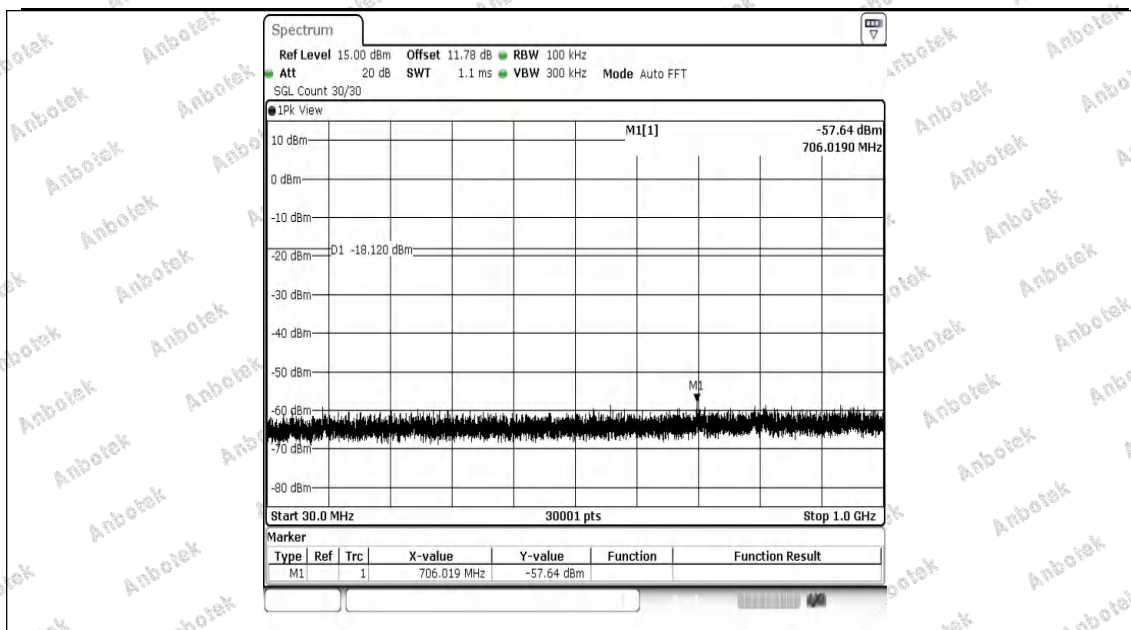


BLE_1M-Ant1-2402-1000~26500-PASS

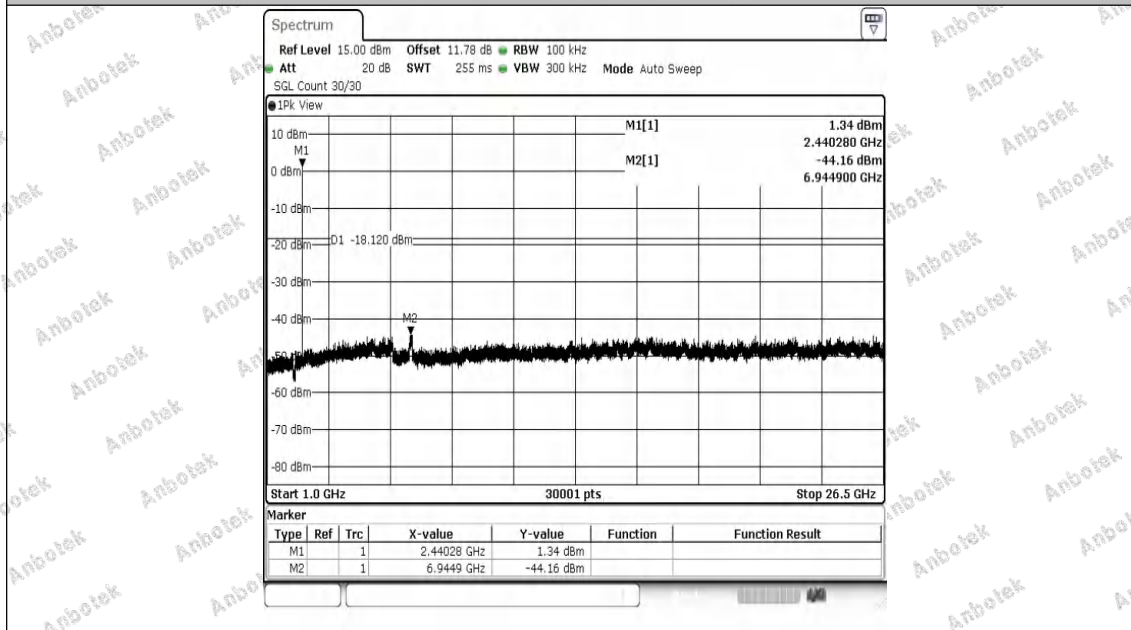


BLE_1M-Ant1-2440-0~Reference-PASS



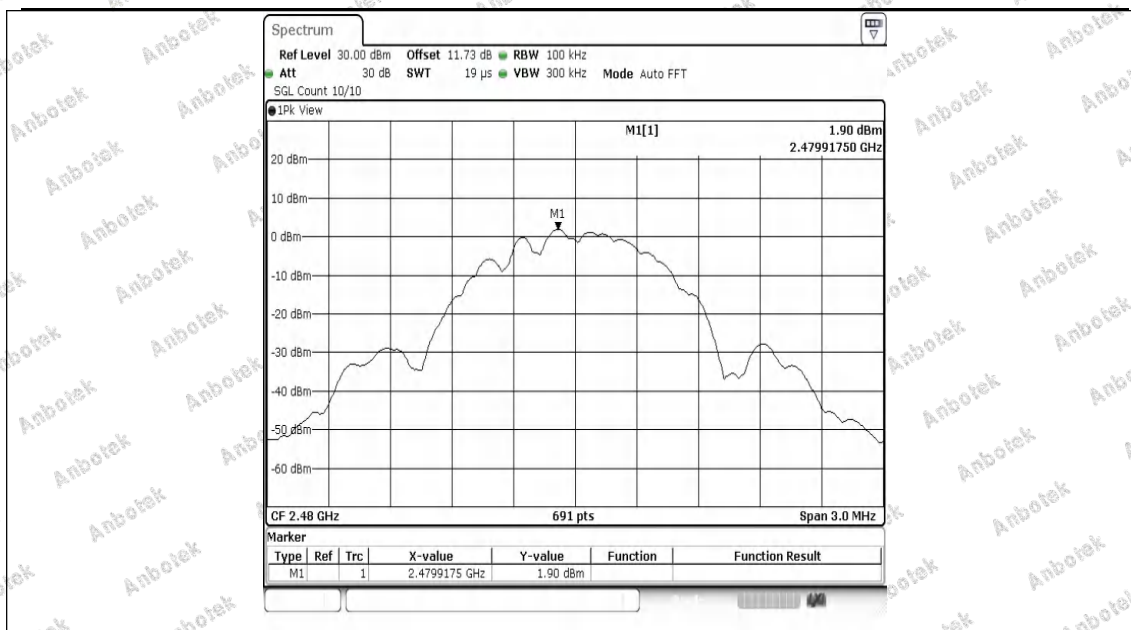


BLE_1M-Ant1-2440-30~1000-PASS

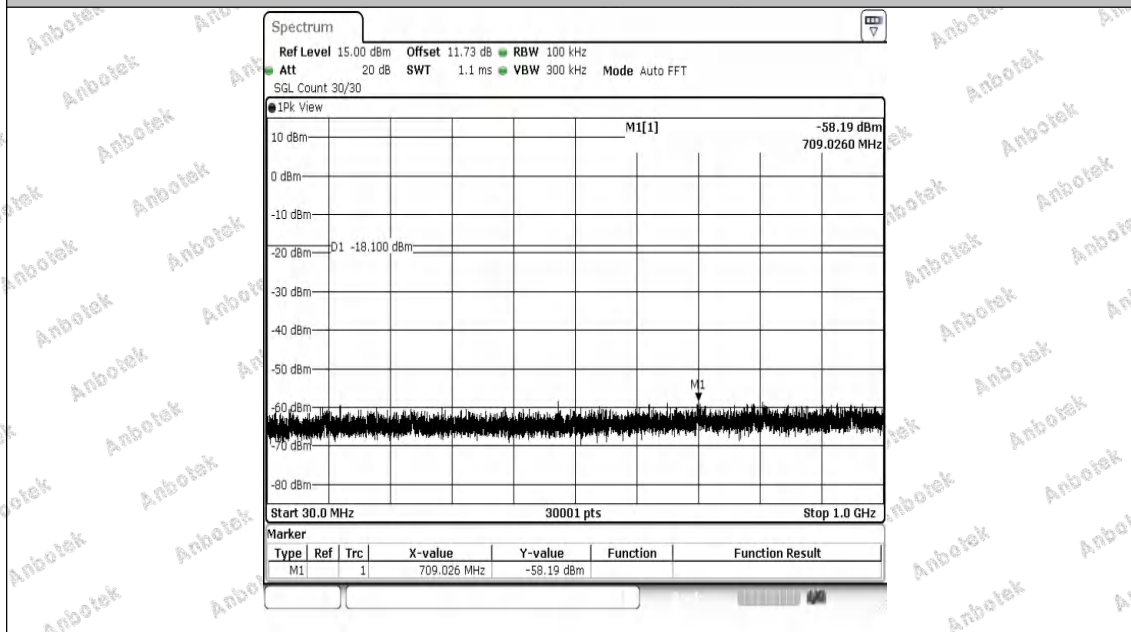


BLE_1M-Ant1-2440-1000~26500-PASS



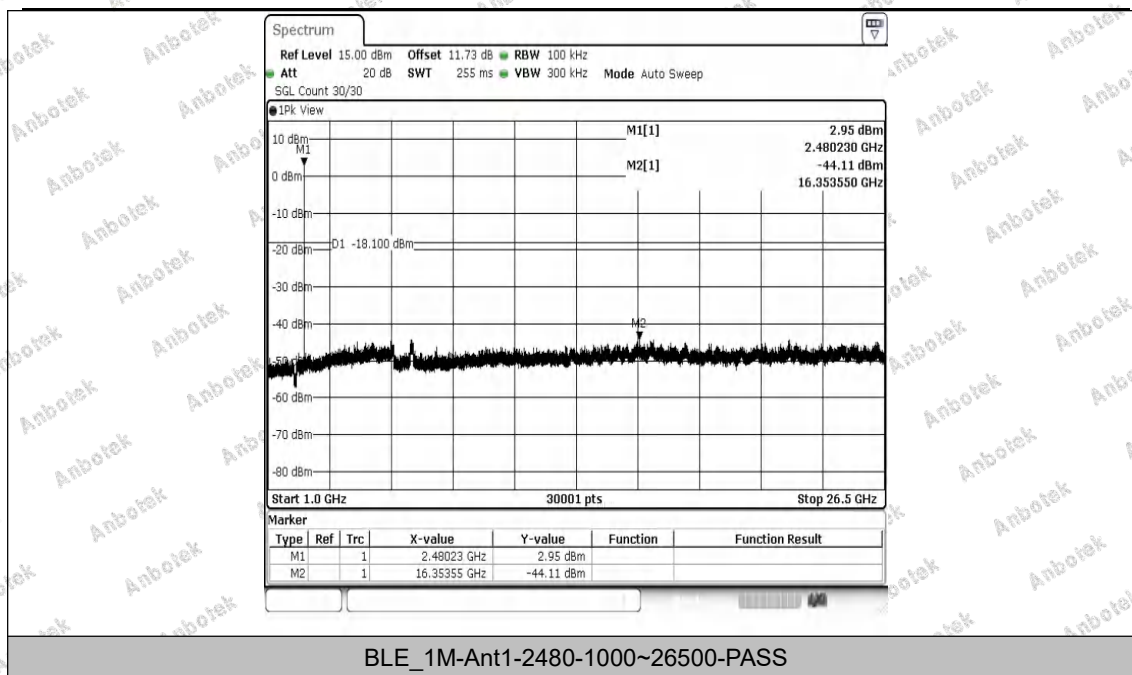


BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS





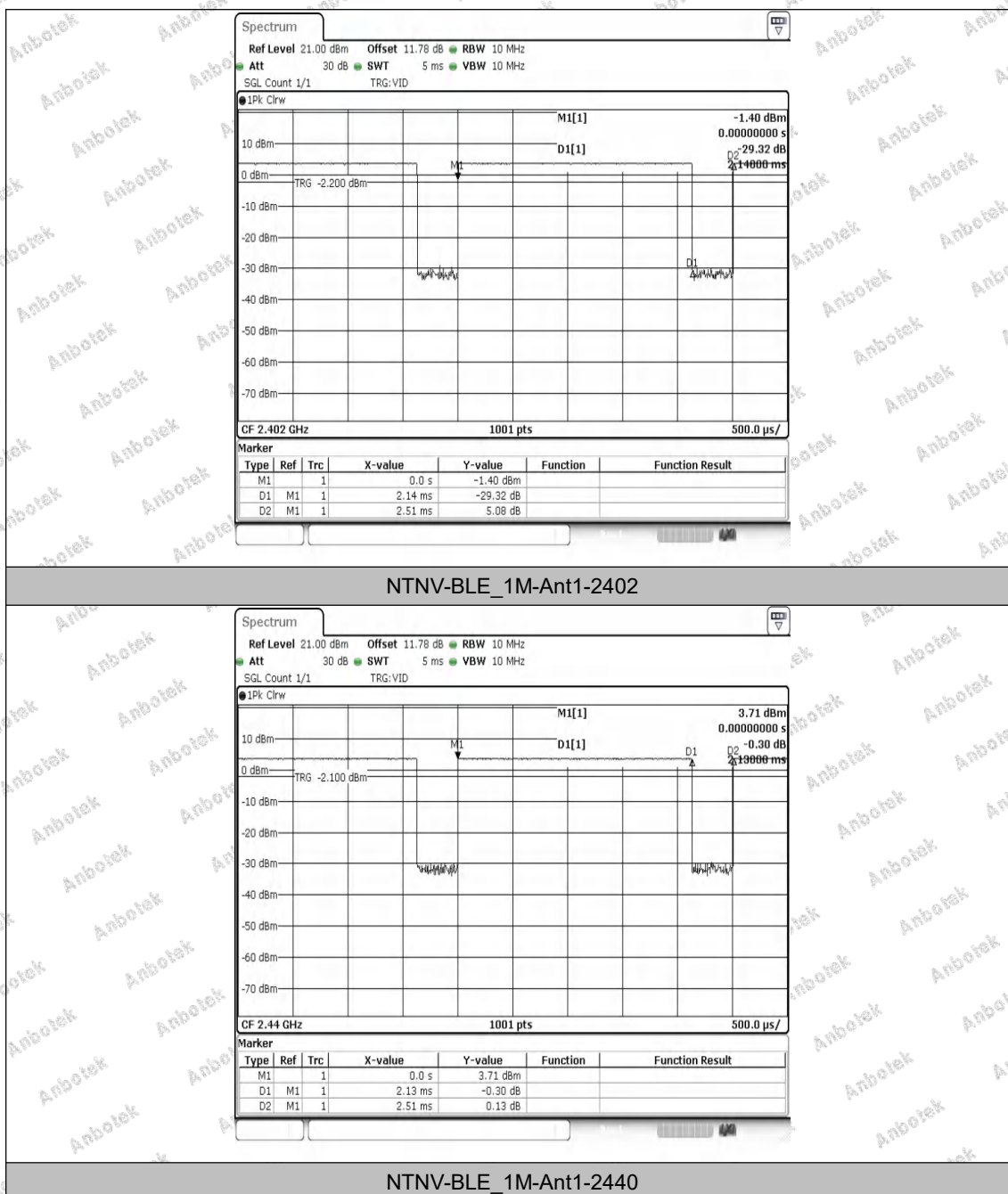
Appendix G: Duty Cycle

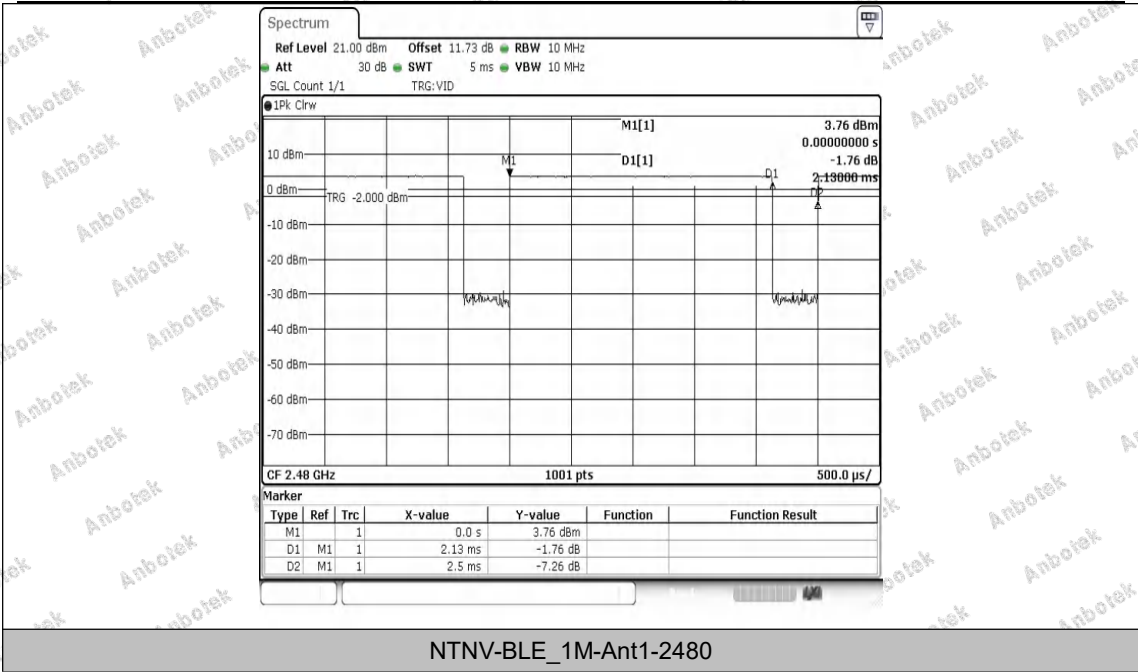
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.14	2.51	85.26	0.69
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





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