

Appendix Test Data

Report No:	1812C40085512501	Test Sample NO:	1-2-2
Start Test Date:	2024.10.9	Finish Test Date:	2024.10.9
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	22.3℃	Relative Humidity:	51%
Pressure:	101 kPa		

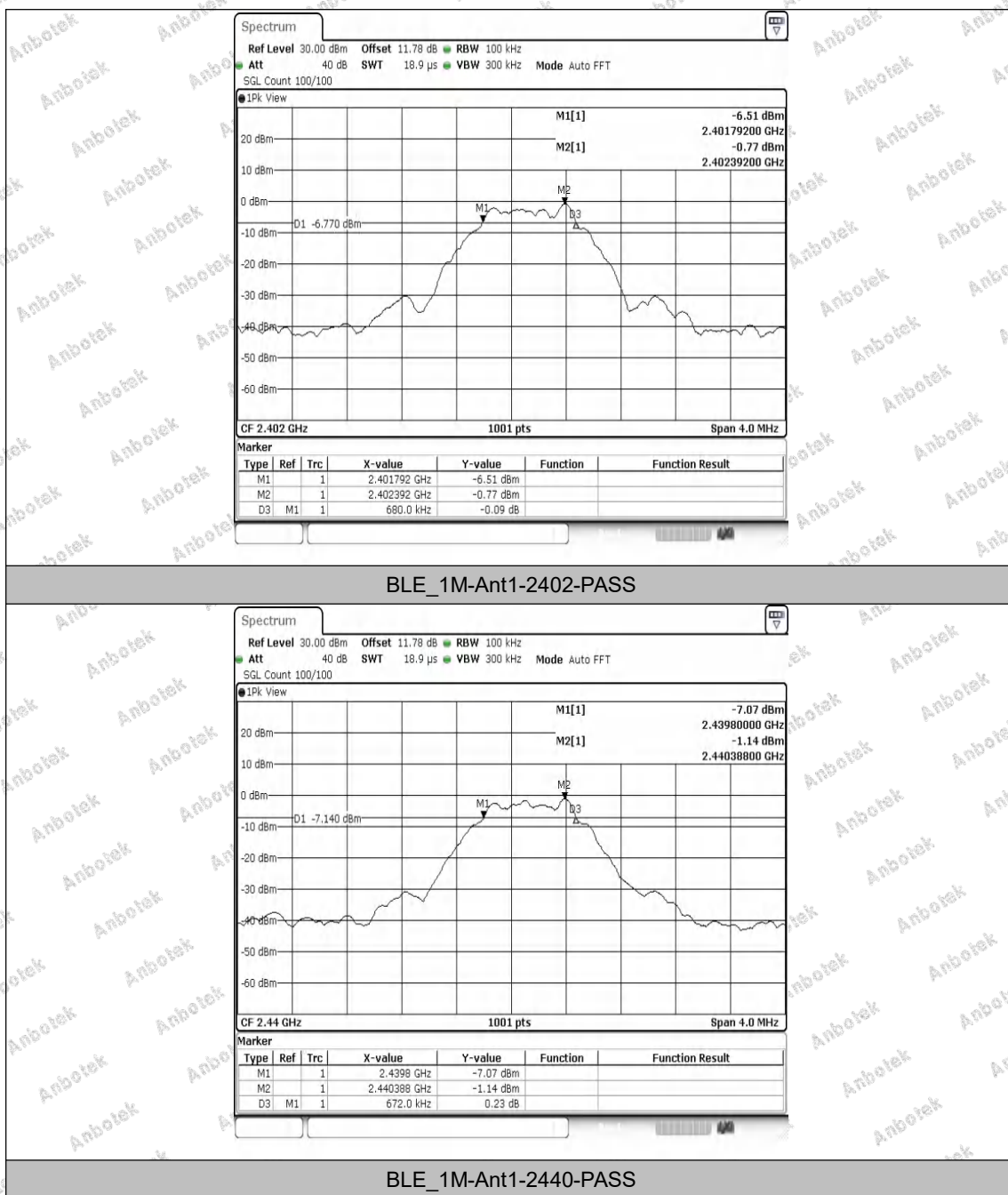
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.68	2401.79	2402.47	0.5	PASS
BLE_1M	Ant1	2440	0.67	2439.80	2440.47	0.5	PASS
BLE_1M	Ant1	2480	0.74	2479.77	2480.52	0.5	PASS



Test Graphs





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400-003-0500
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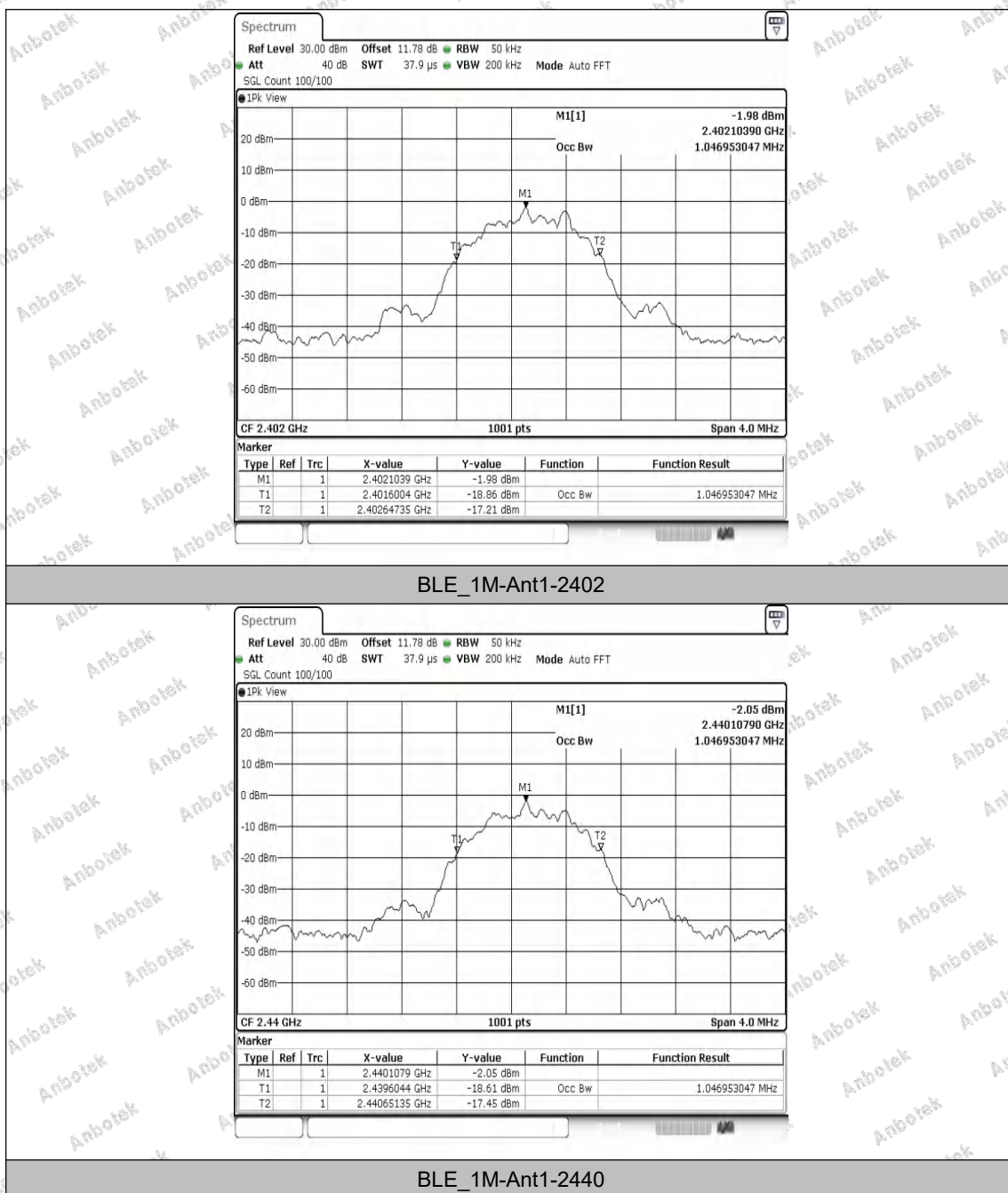
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.047	2401.6004	2402.6474	---	---
BLE_1M	Ant1	2440	1.047	2439.6044	2440.6513	---	---
BLE_1M	Ant1	2480	1.063	2479.5964	2480.6593	---	---



Test Graphs





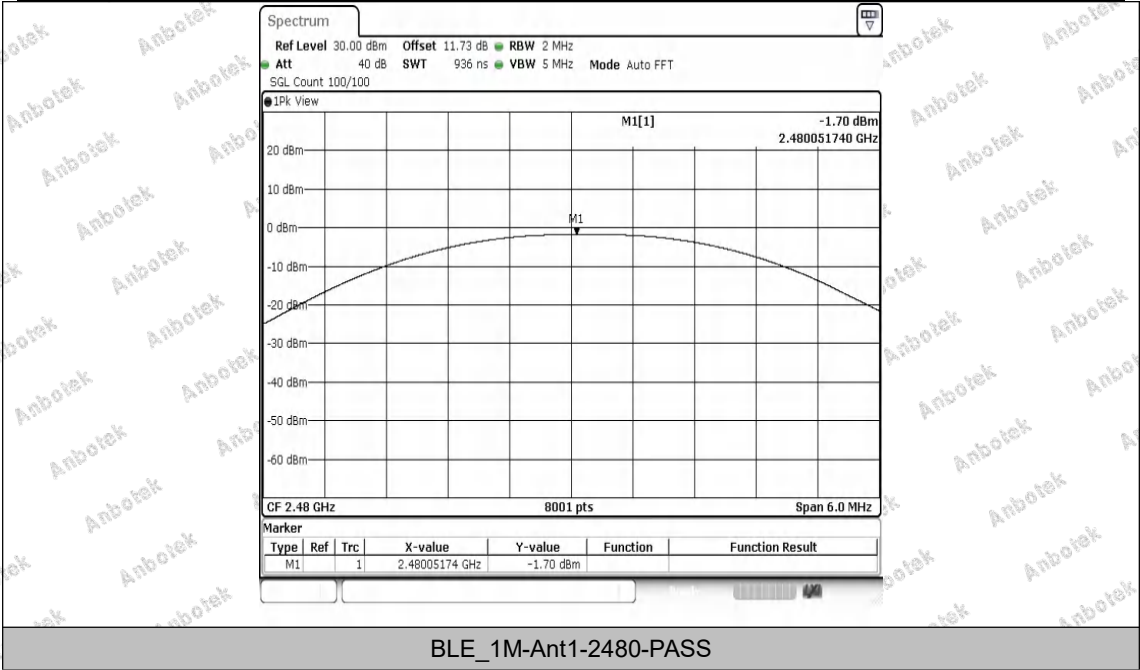
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.47	≤30	PASS
BLE_1M	Ant1	2440	-0.85	≤30	PASS
BLE_1M	Ant1	2480	-1.70	≤30	PASS

Test Graphs Peak





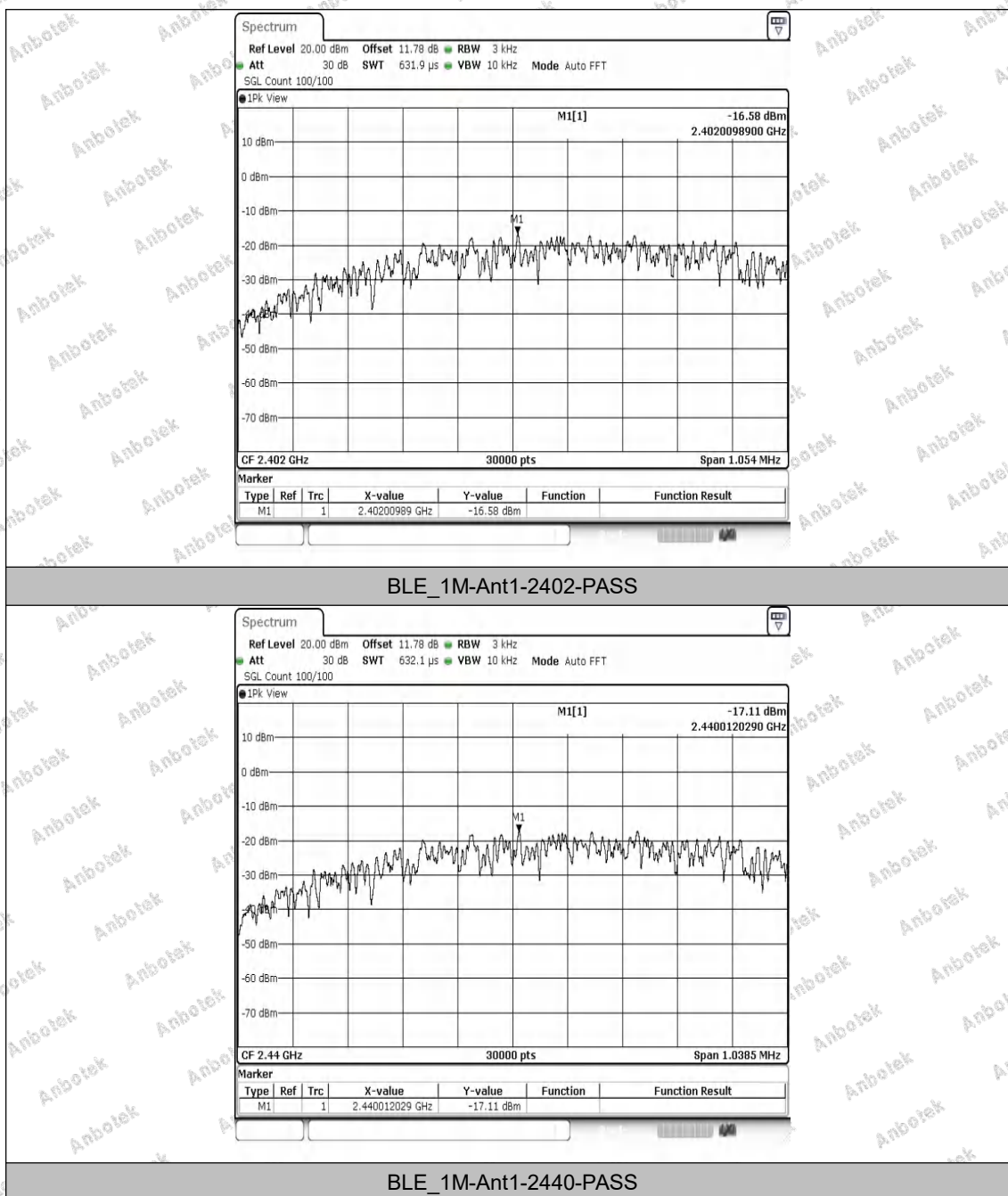
Appendix D: Maximum power spectral density

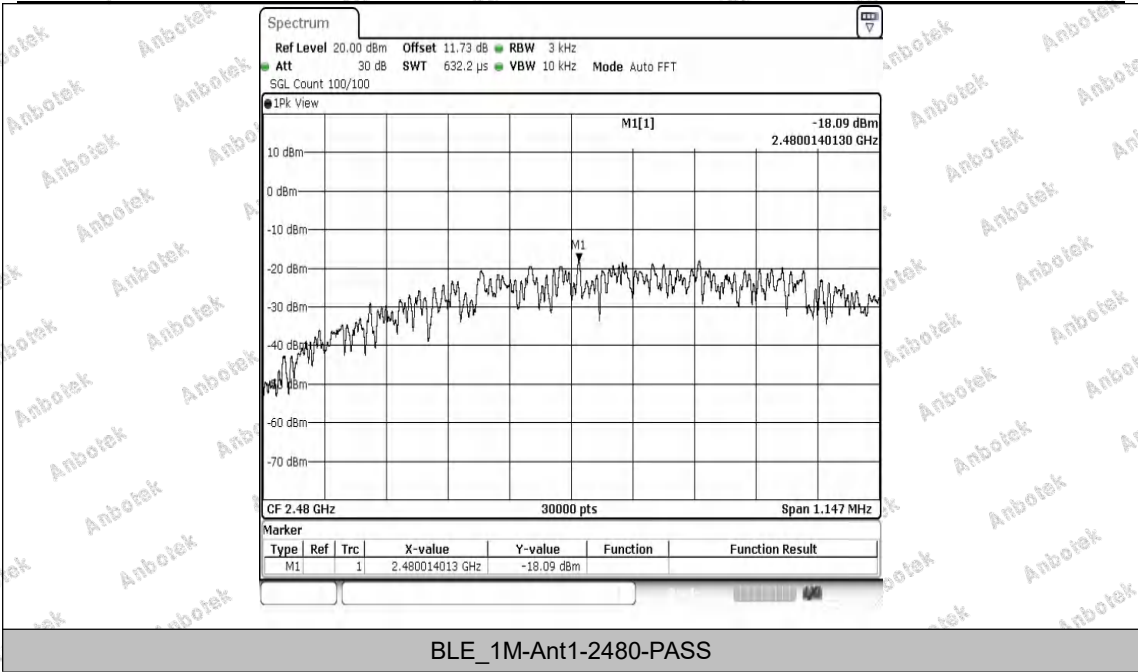
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.58	≤8.00	PASS
BLE_1M	Ant1	2440	-17.11	≤8.00	PASS
BLE_1M	Ant1	2480	-18.09	≤8.00	PASS



Test Graphs





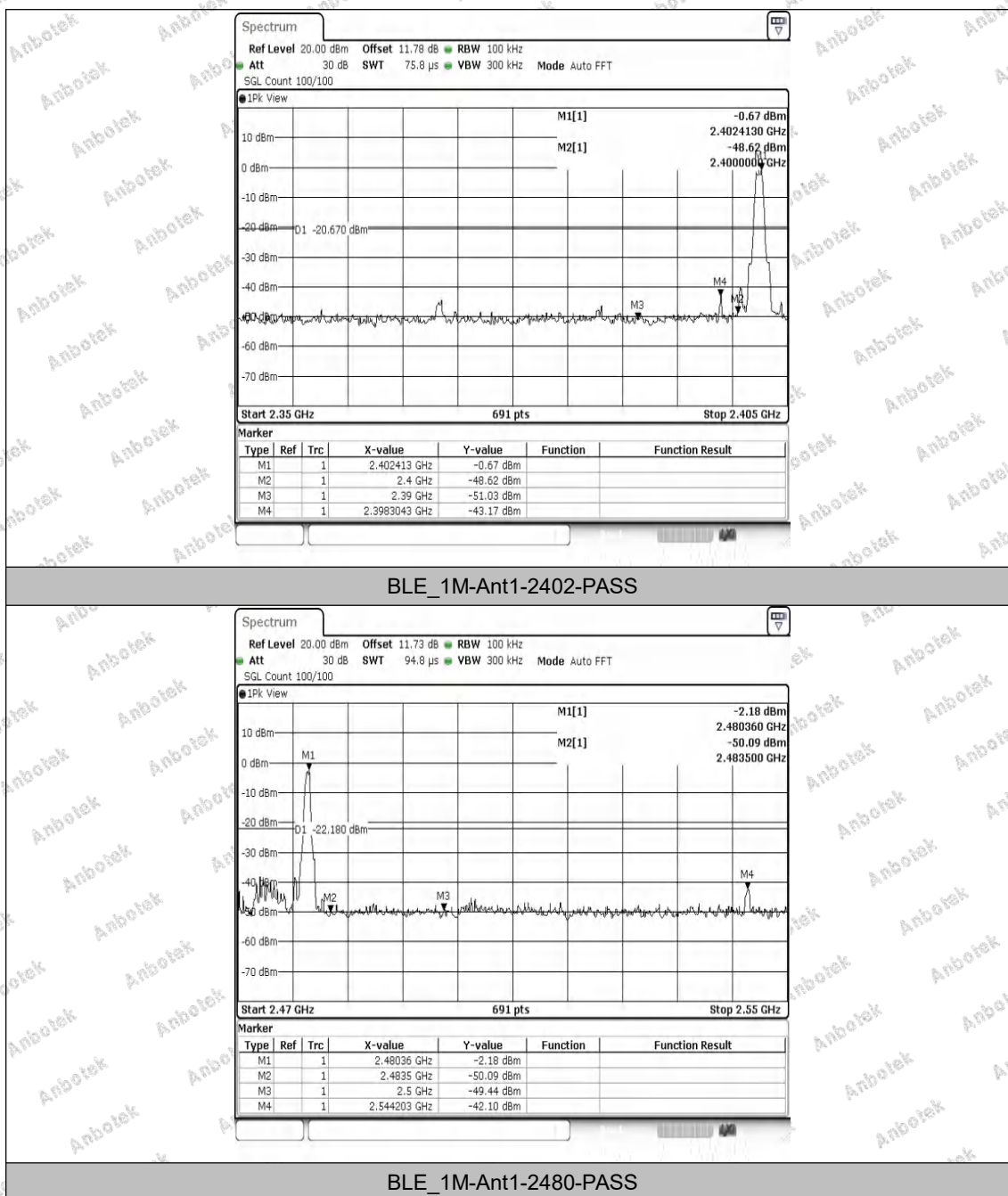
Appendix F: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.67	-43.17	≤-20.67	PASS
BLE_1M	Ant1	High	2480	-2.18	-42.1	≤-22.18	PASS



Test Graphs



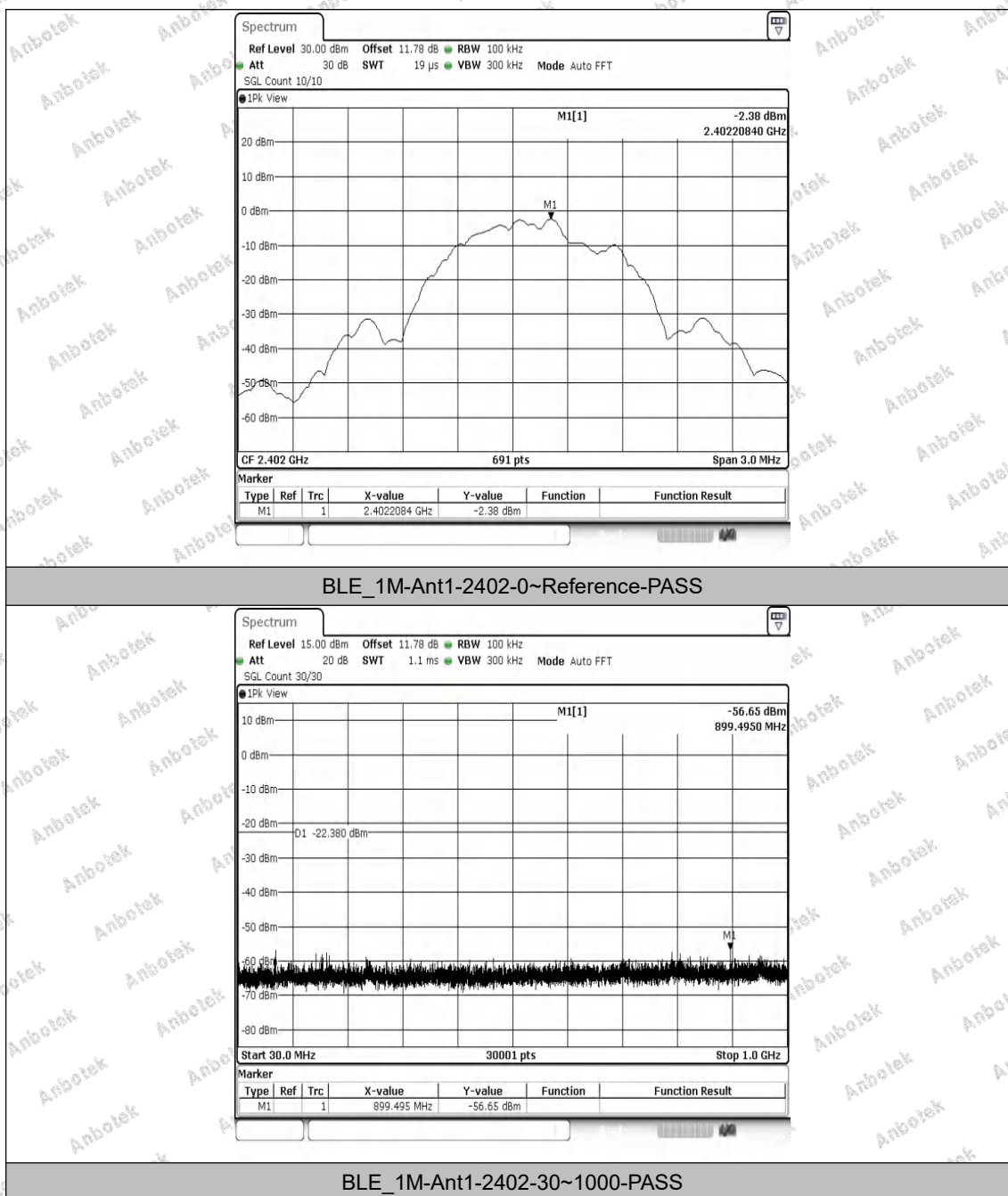
Appendix G: Conducted Spurious Emission

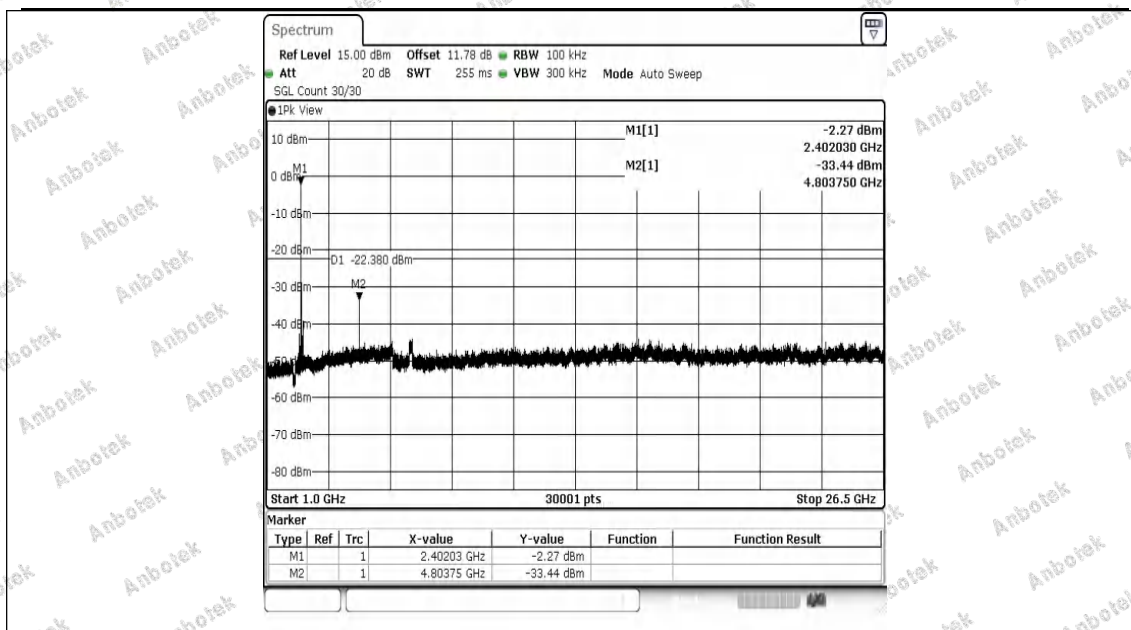
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-2.38	-2.38	---	PASS
BLE_1M	Ant1	2402	30~1000	-2.38	-56.65	≤-22.38	PASS
BLE_1M	Ant1	2402	1000~26500	-2.38	-33.44	≤-22.38	PASS
BLE_1M	Ant1	2440	0~Reference	-2.13	-2.13	---	PASS
BLE_1M	Ant1	2440	30~1000	-2.13	-54.07	≤-22.13	PASS
BLE_1M	Ant1	2440	1000~26500	-2.13	-35.02	≤-22.13	PASS
BLE_1M	Ant1	2480	0~Reference	-4.74	-4.74	---	PASS
BLE_1M	Ant1	2480	30~1000	-4.74	-53.45	≤-24.74	PASS
BLE_1M	Ant1	2480	1000~26500	-4.74	-36.92	≤-24.74	PASS

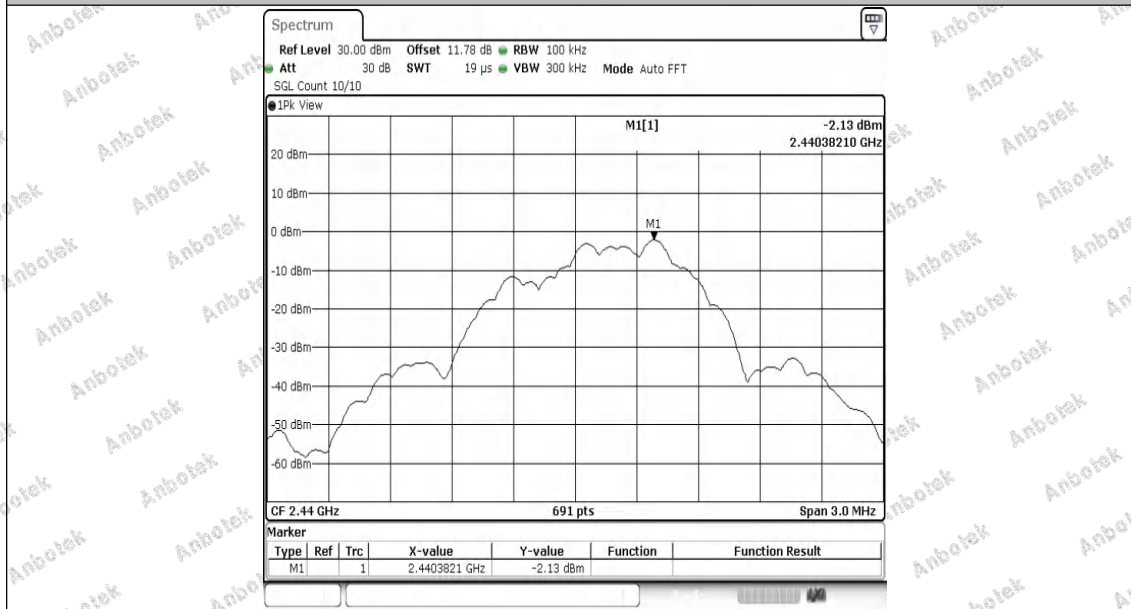


Test Graphs



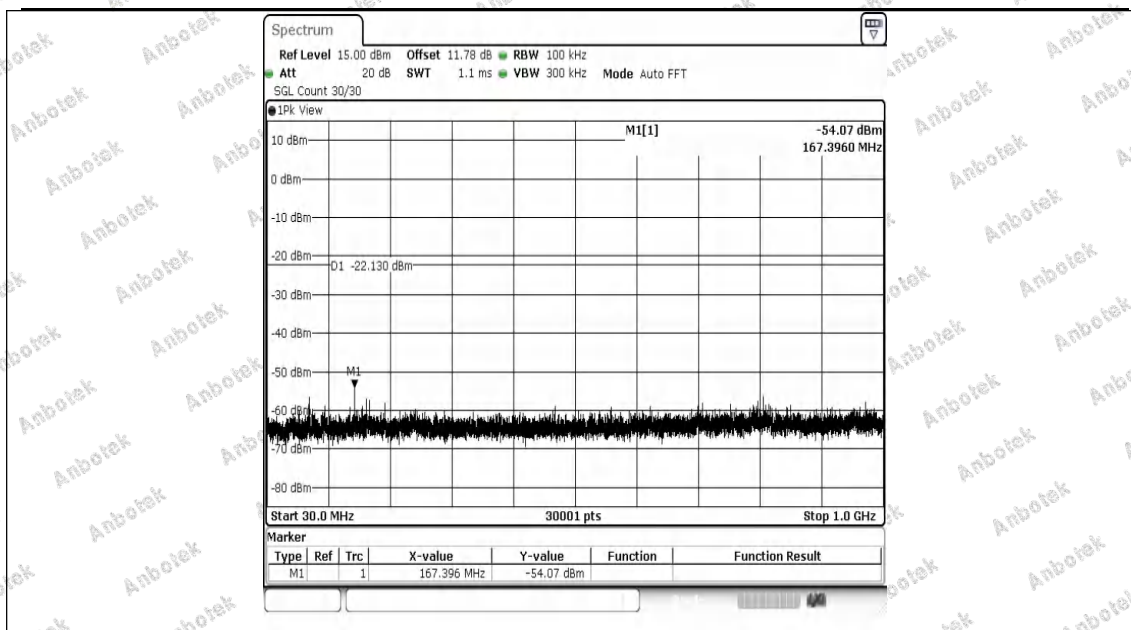


BLE_1M-Ant1-2402-1000~26500-PASS

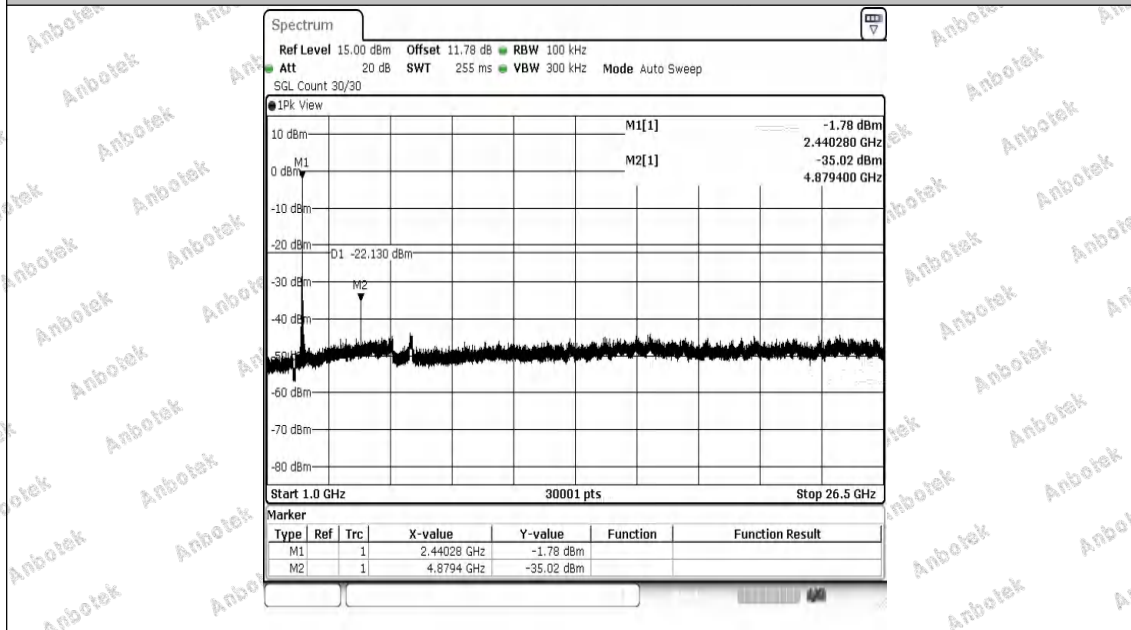


BLE_1M-Ant1-2440-0~Reference-PASS



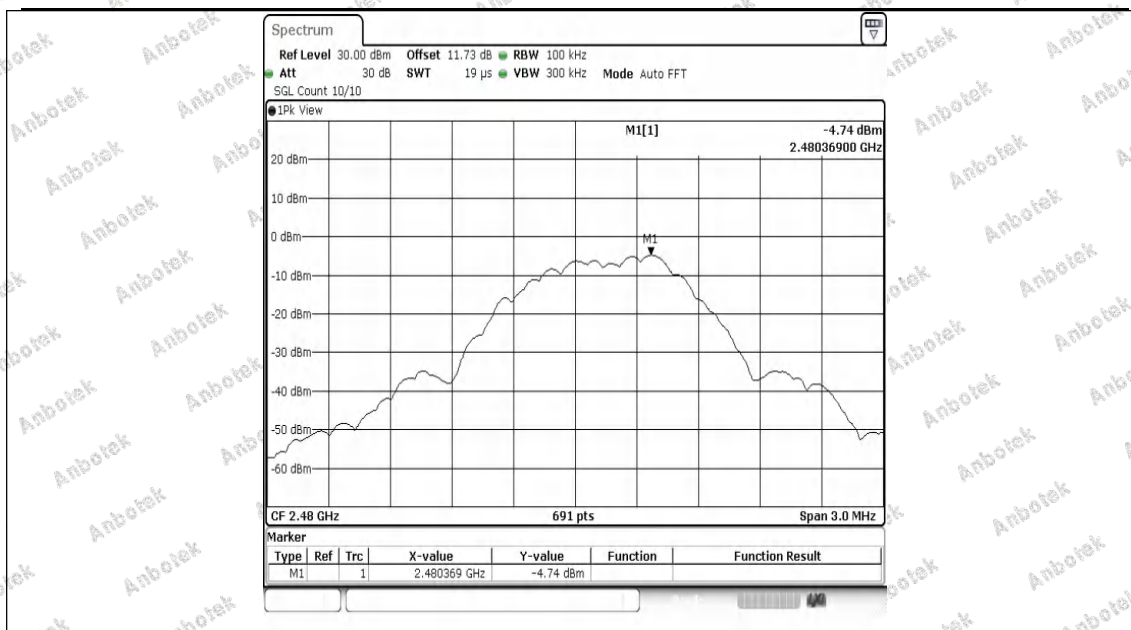


BLE_1M-Ant1-2440-30~1000-PASS

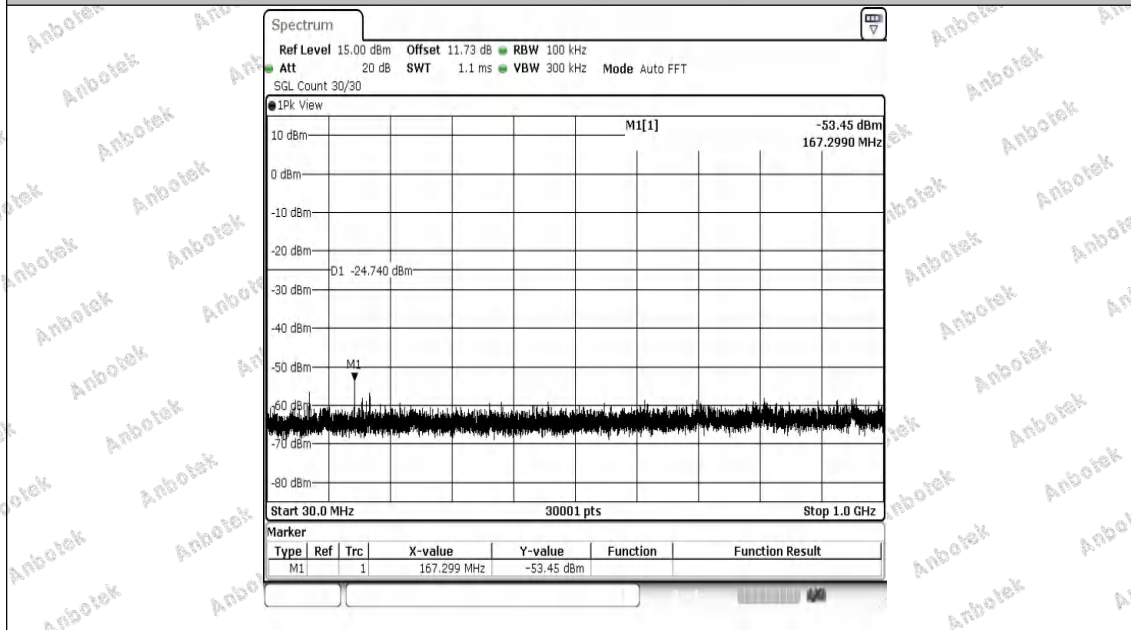


BLE_1M-Ant1-2440-1000~26500-PASS



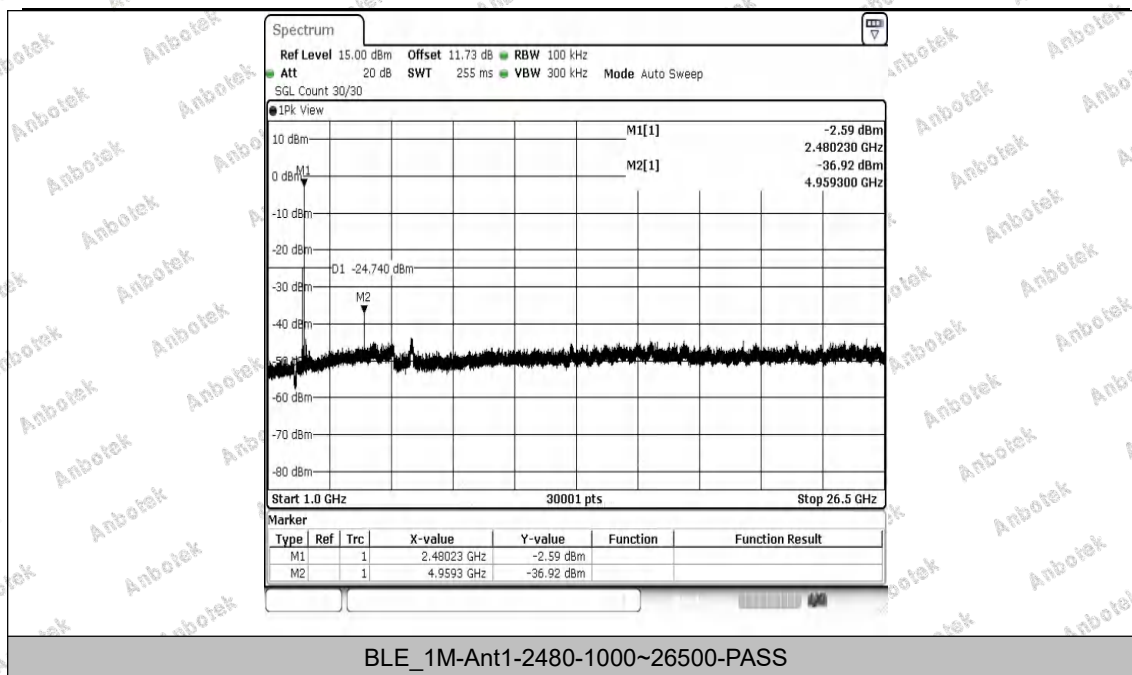


BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS





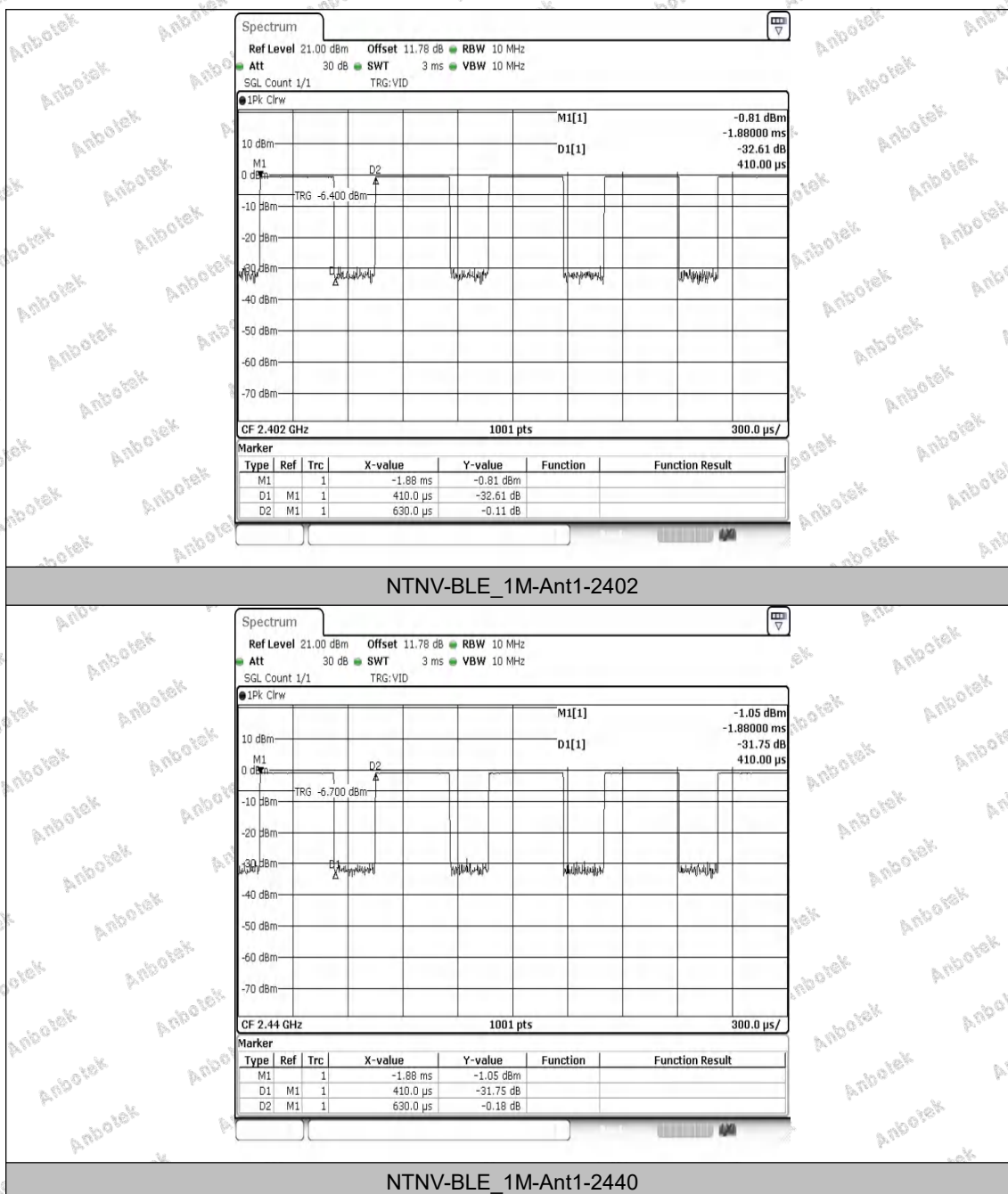
Appendix H: Duty Cycle

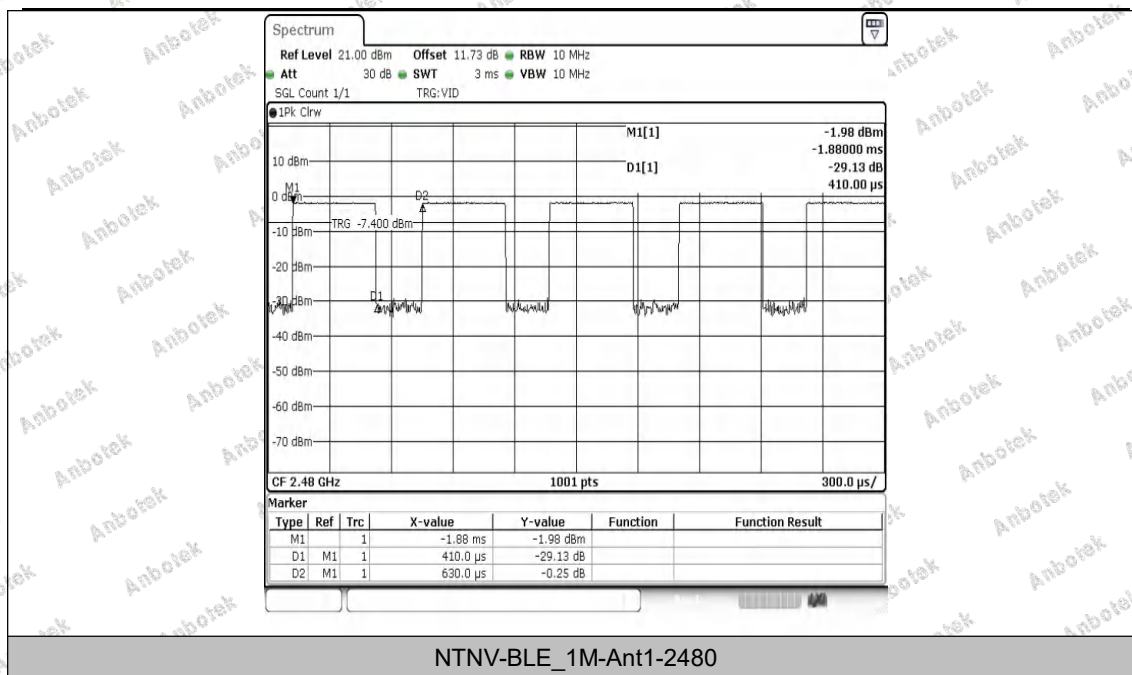
Test Result

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





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