

Appendix Test Data

Report No:	182518C400030101	Test Sample NO:	1-2-2
Start Test Date:	2024.7.25	Finish Test Date:	2024.7.26
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25°C	Relative Humidity:	54%
Pressure:	101 kPa		

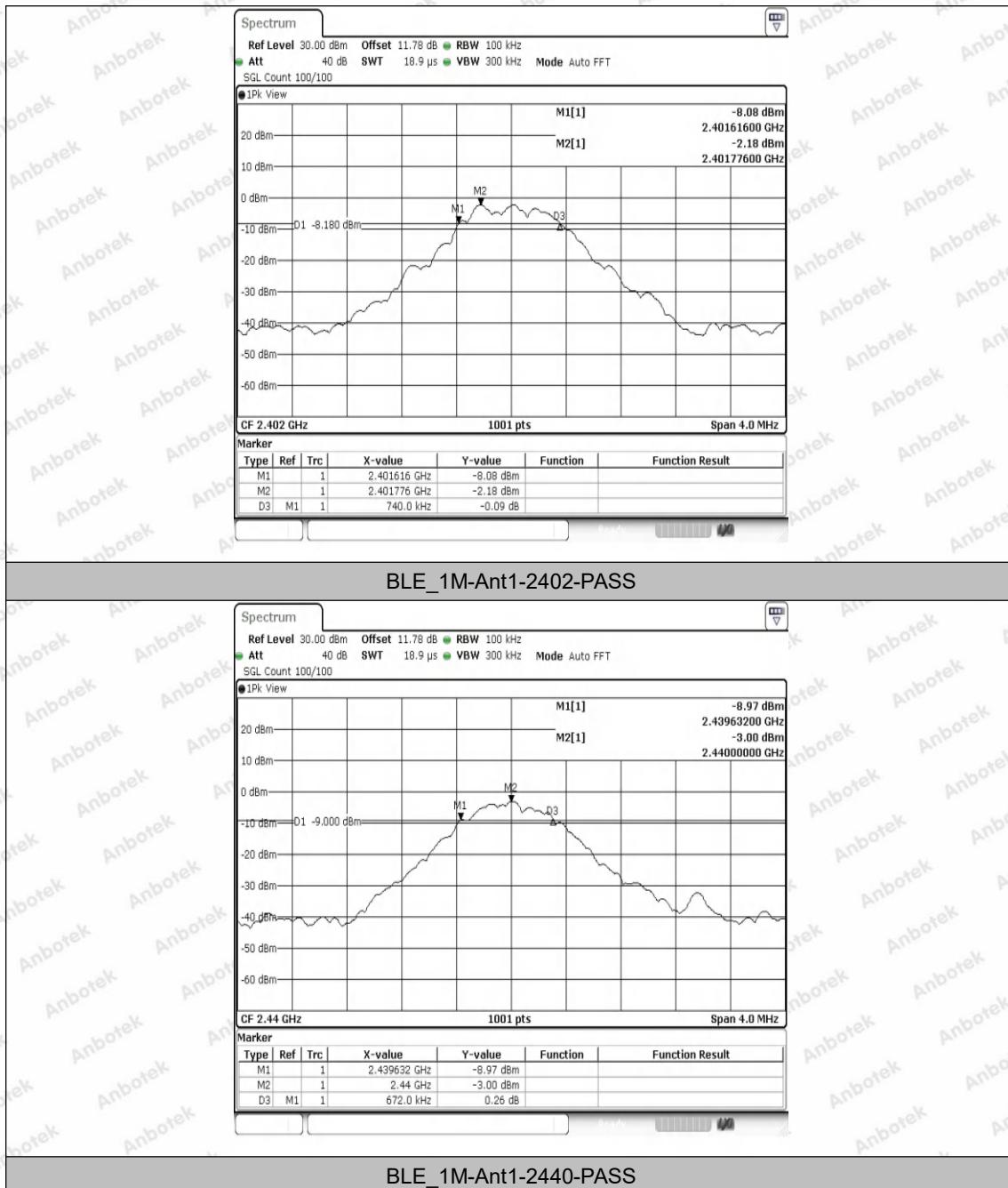
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.74	2401.62	2402.36	0.5	PASS
BLE_1M	Ant1	2440	0.67	2439.63	2440.30	0.5	PASS
BLE_1M	Ant1	2480	0.67	2479.68	2480.35	0.5	PASS
BLE_2M	Ant1	2402	1.13	2401.45	2402.58	0.5	PASS
BLE_2M	Ant1	2440	1.00	2439.44	2440.45	0.5	PASS
BLE_2M	Ant1	2480	1.04	2479.44	2480.48	0.5	PASS



Test Graphs



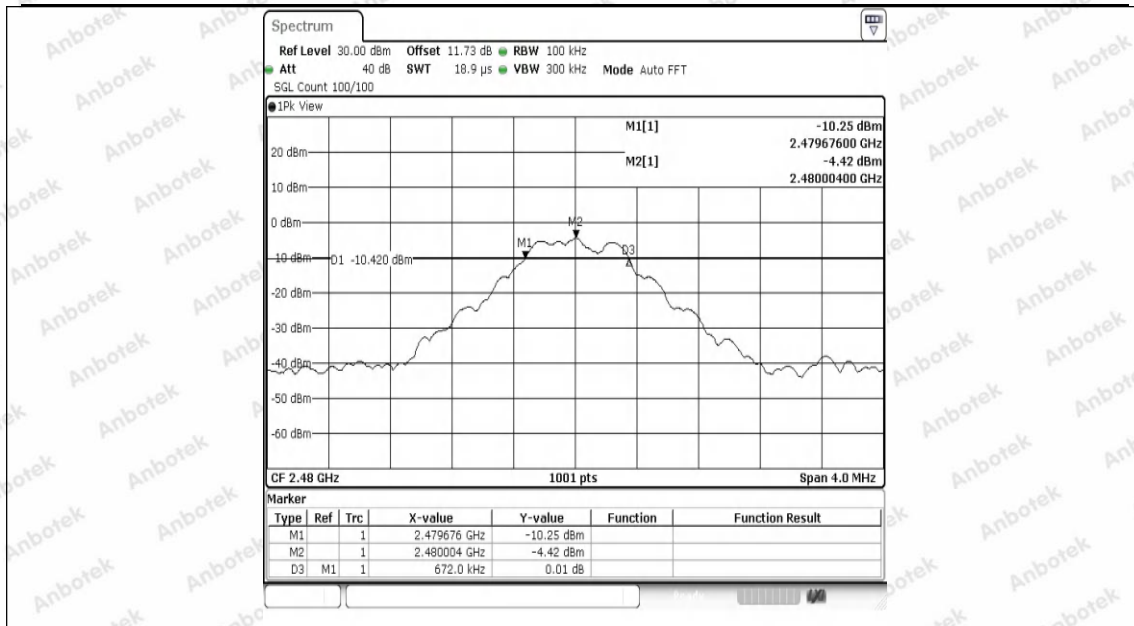
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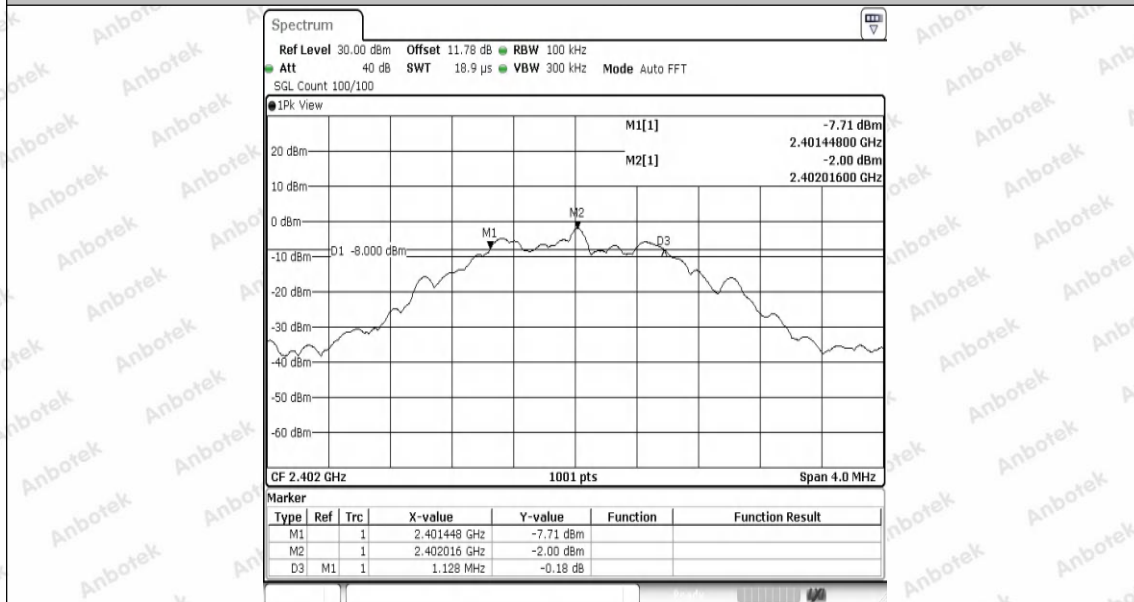


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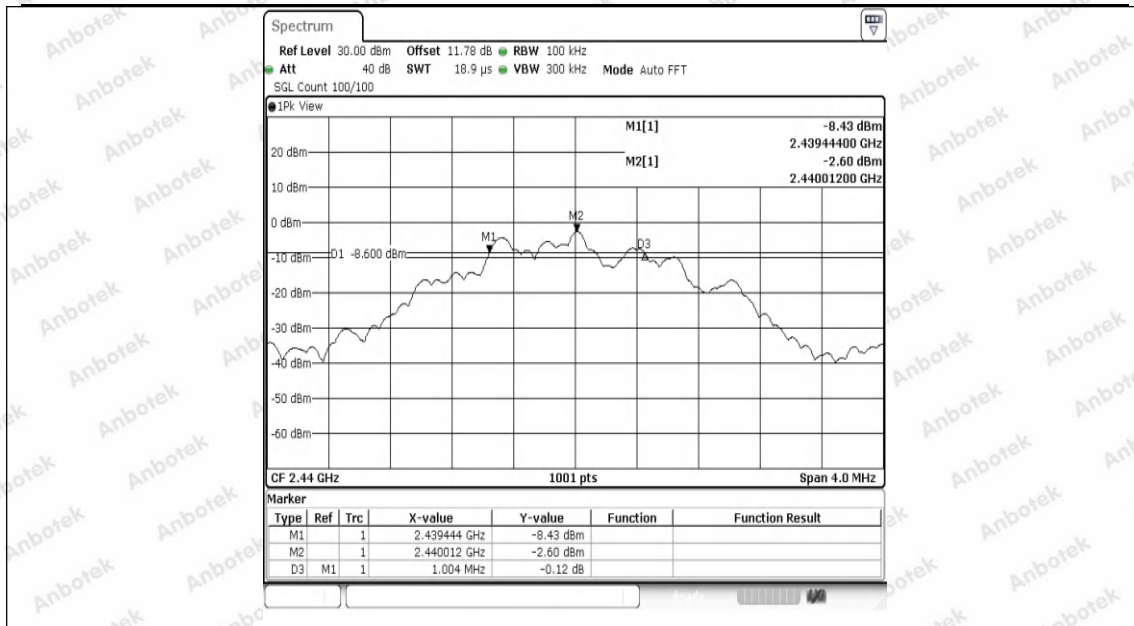


BLE_1M-Ant1-2480-PASS

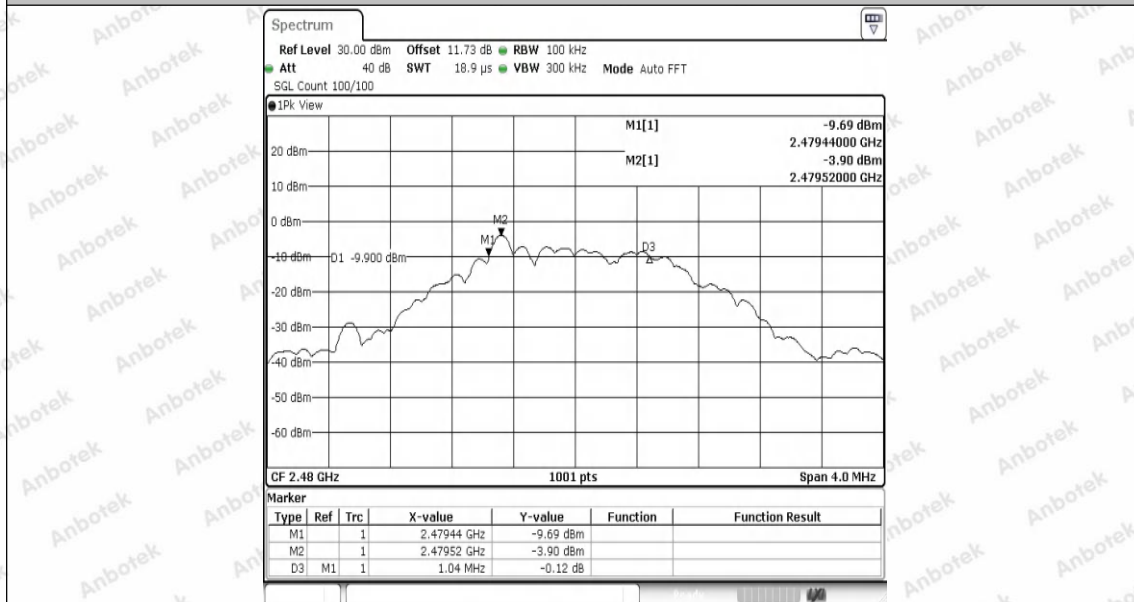


BLE_2M-Ant1-2402-PASS





BLE_2M-Ant1-2440-PASS



BLE_2M-Ant1-2480-PASS



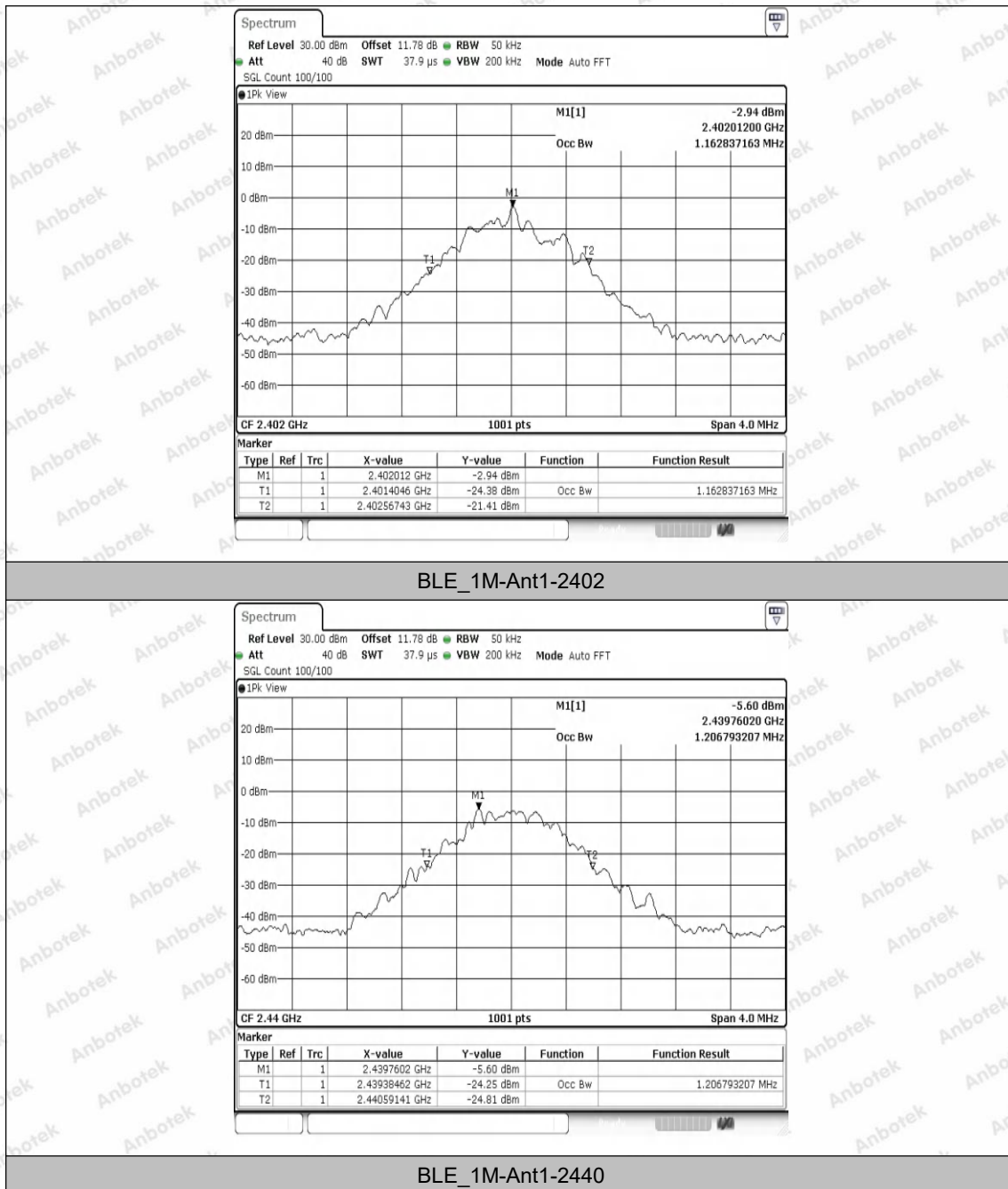
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.163	2401.4046	2402.5674	---	---
BLE_1M	Ant1	2440	1.207	2439.3846	2440.5914	---	---
BLE_1M	Ant1	2480	1.195	2479.4126	2480.6074	---	---
BLE_2M	Ant1	2402	2.07	2400.9930	2403.0629	---	---
BLE_2M	Ant1	2440	2.062	2438.9930	2441.0549	---	---
BLE_2M	Ant1	2480	2.07	2478.9890	2481.0589	---	---



Test Graphs



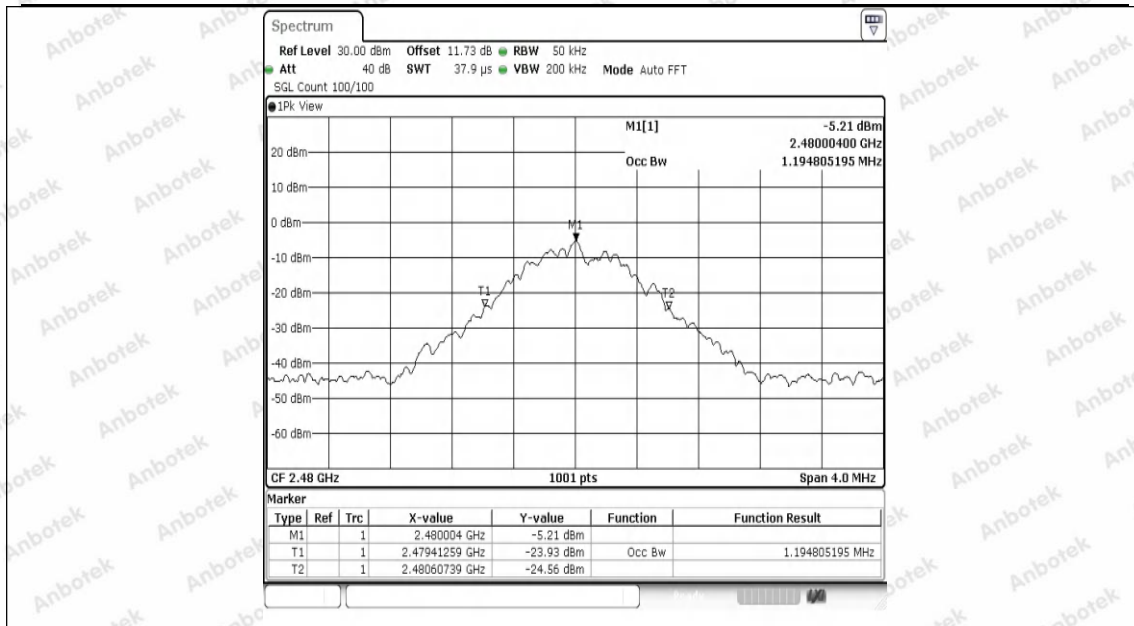
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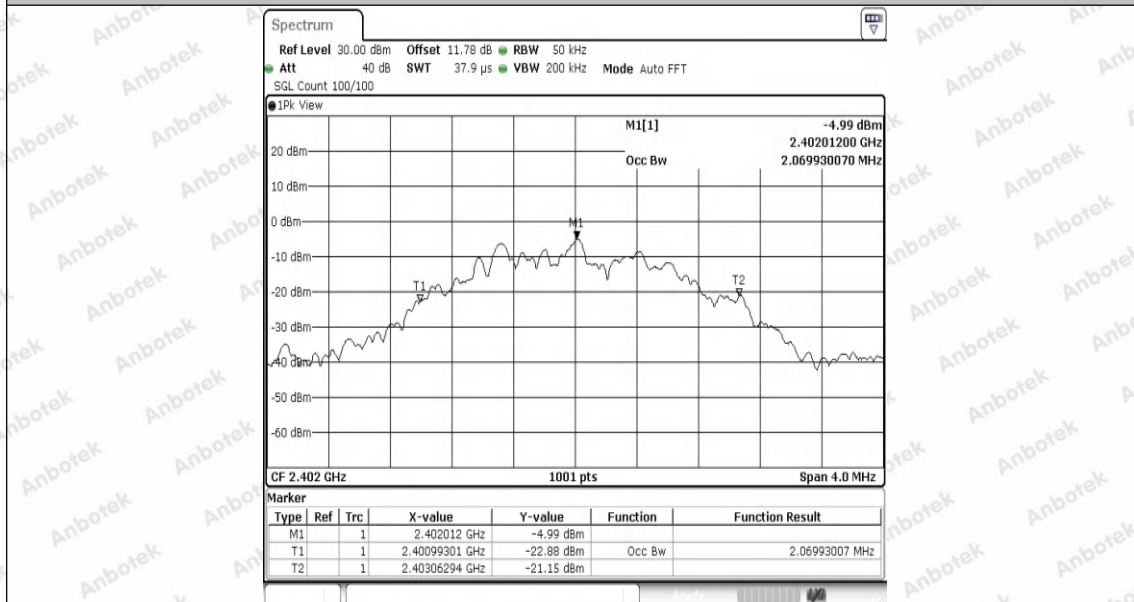


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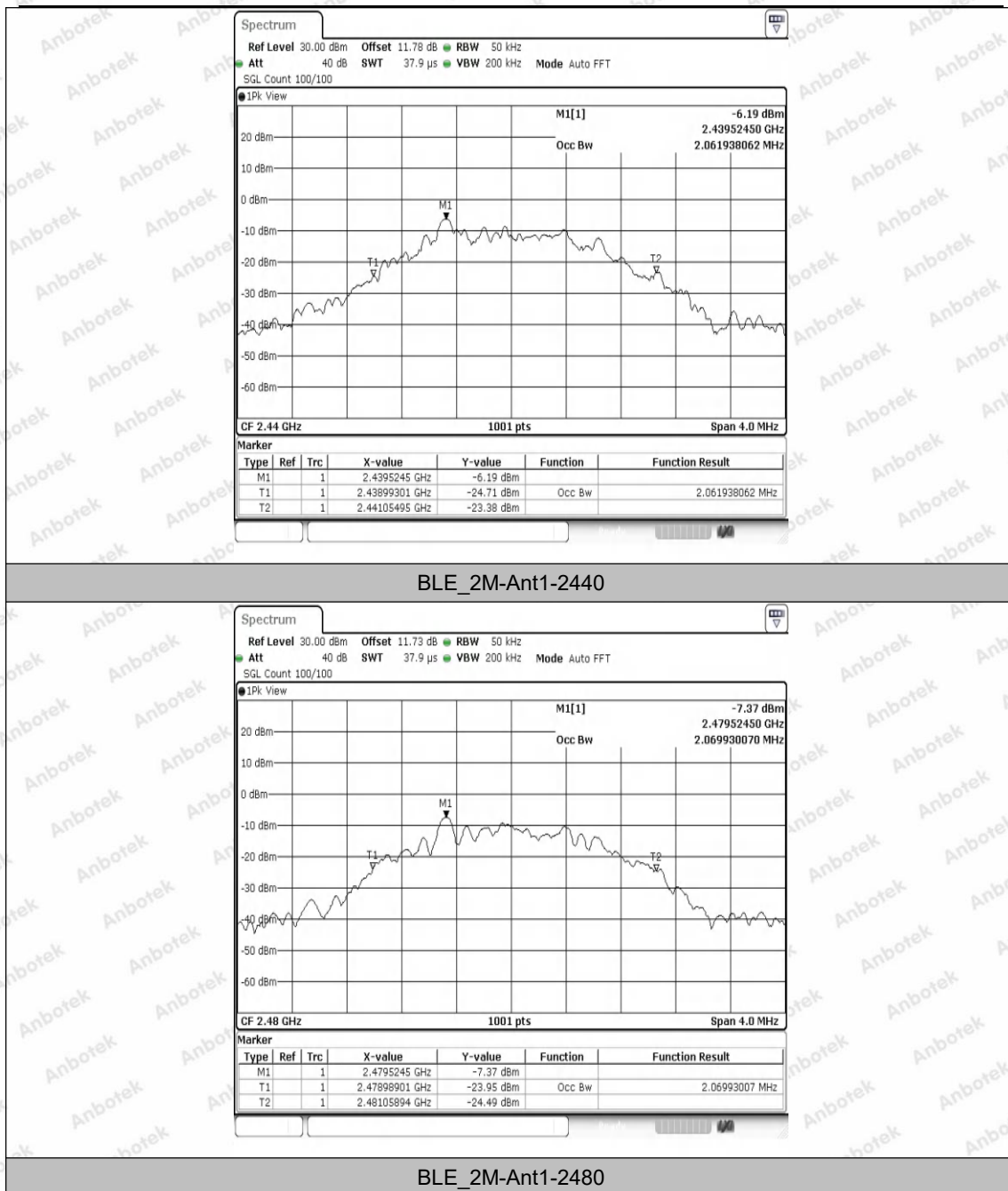


BLE_1M-Ant1-2480



BLE_2M-Ant1-2402



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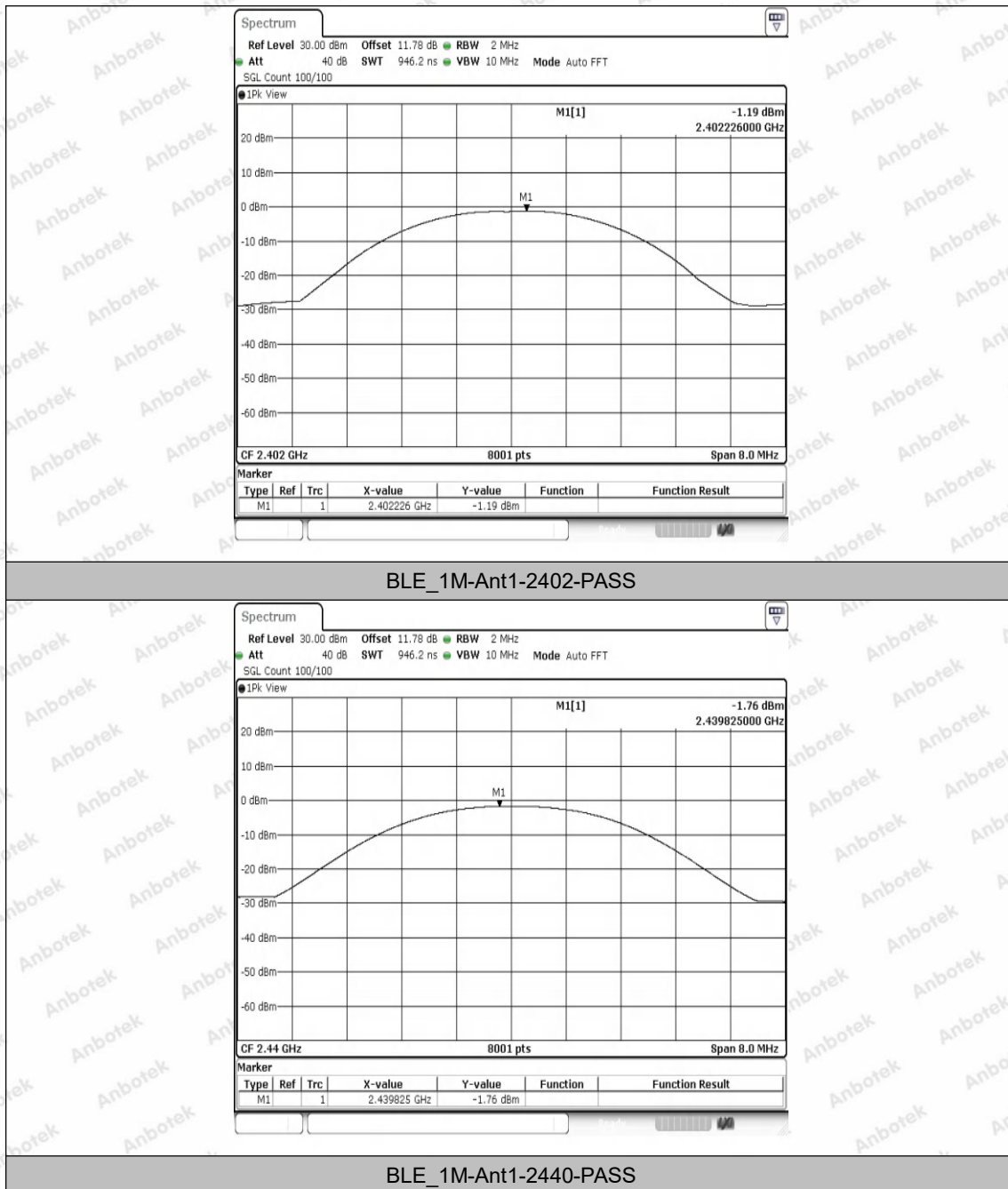
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.19	≤30	PASS
BLE_1M	Ant1	2440	-1.76	≤30	PASS
BLE_1M	Ant1	2480	-3.23	≤30	PASS
BLE_2M	Ant1	2402	-1.24	≤30	PASS
BLE_2M	Ant1	2440	-1.87	≤30	PASS
BLE_2M	Ant1	2480	-3.11	≤30	PASS



Test Graphs Peak



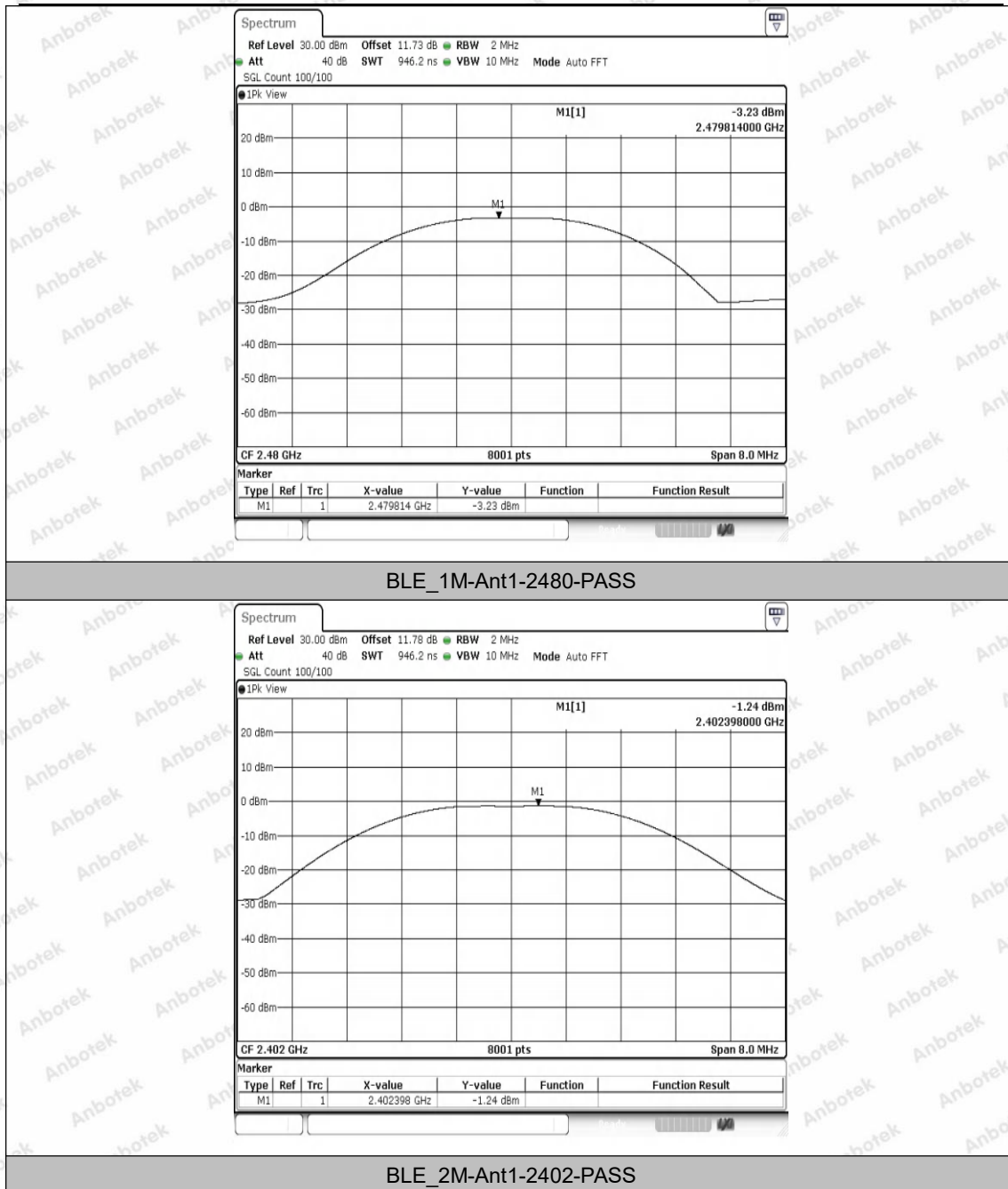
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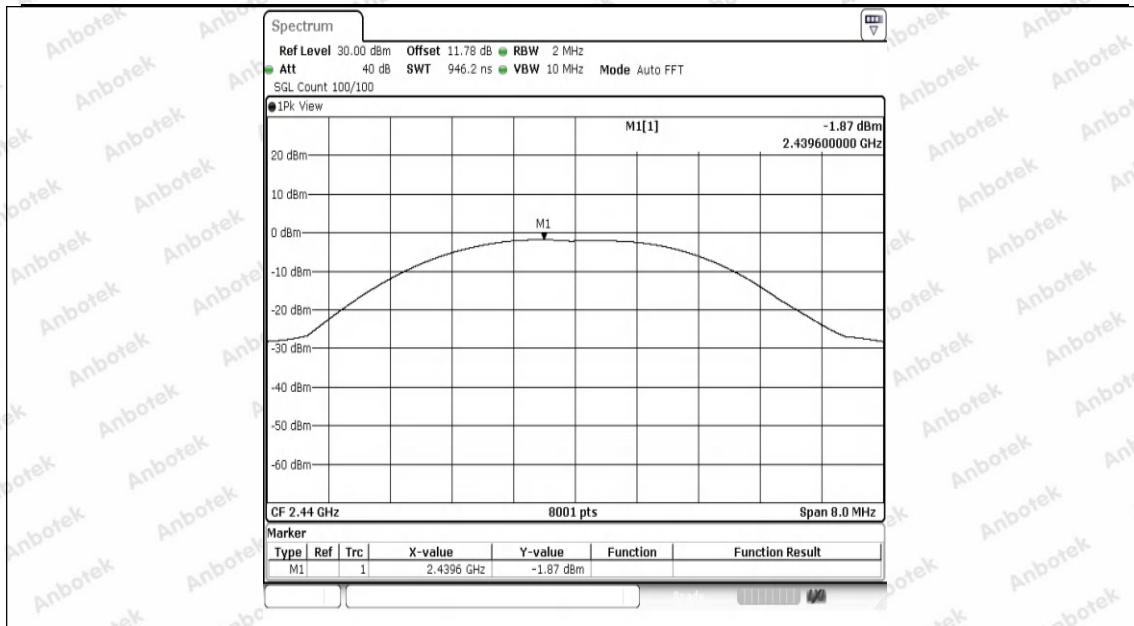
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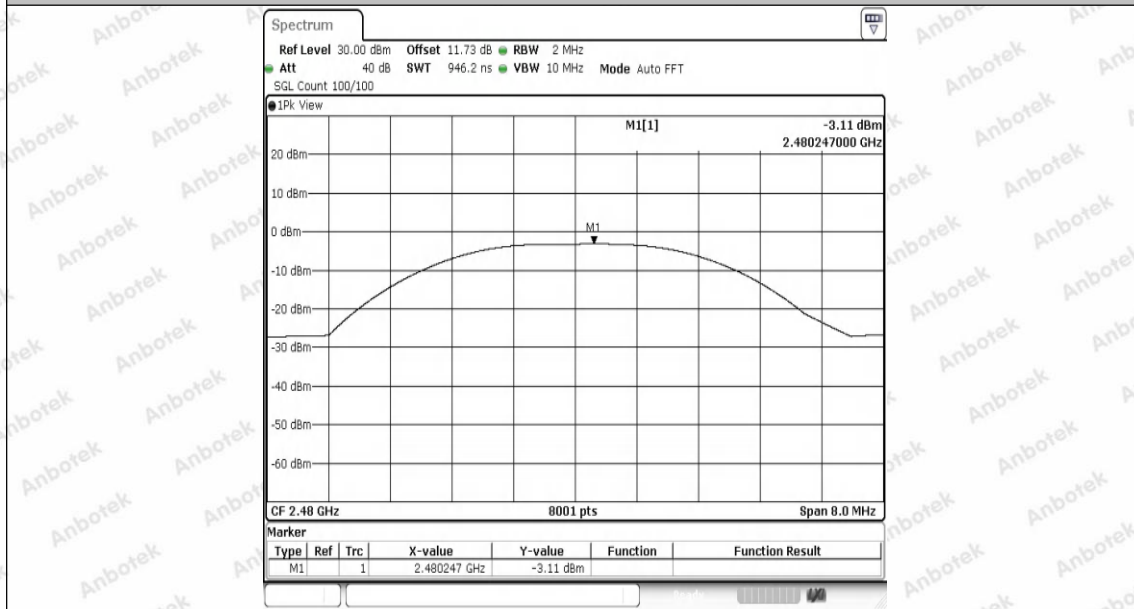


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BLE_2M-Ant1-2440-PASS



BLE_2M-Ant1-2480-PASS



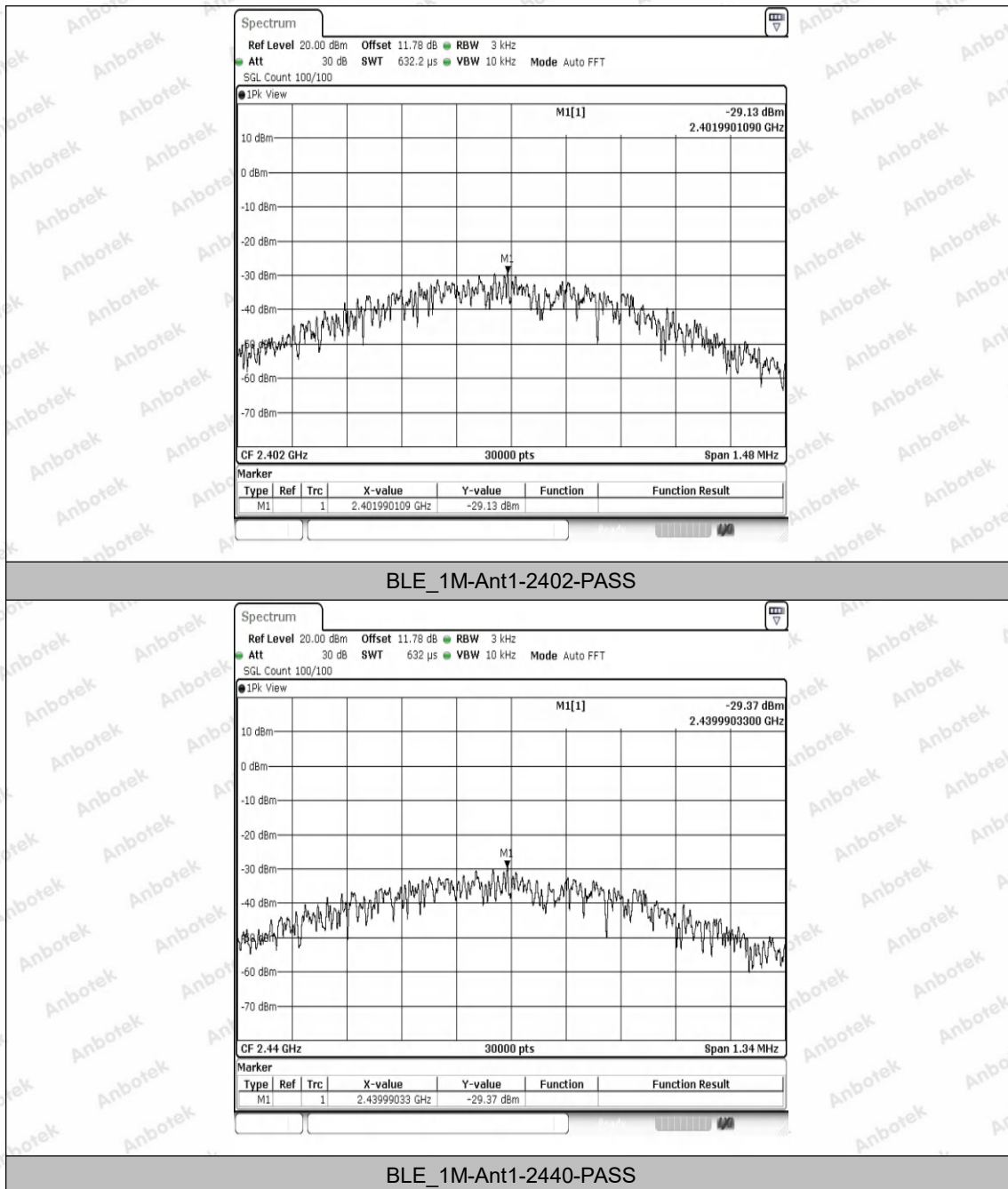
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-29.13	≤8.00	PASS
BLE_1M	Ant1	2440	-29.37	≤8.00	PASS
BLE_1M	Ant1	2480	-30.43	≤8.00	PASS
BLE_2M	Ant1	2402	-31.83	≤8.00	PASS
BLE_2M	Ant1	2440	-32.23	≤8.00	PASS
BLE_2M	Ant1	2480	-33.20	≤8.00	PASS



Test Graphs



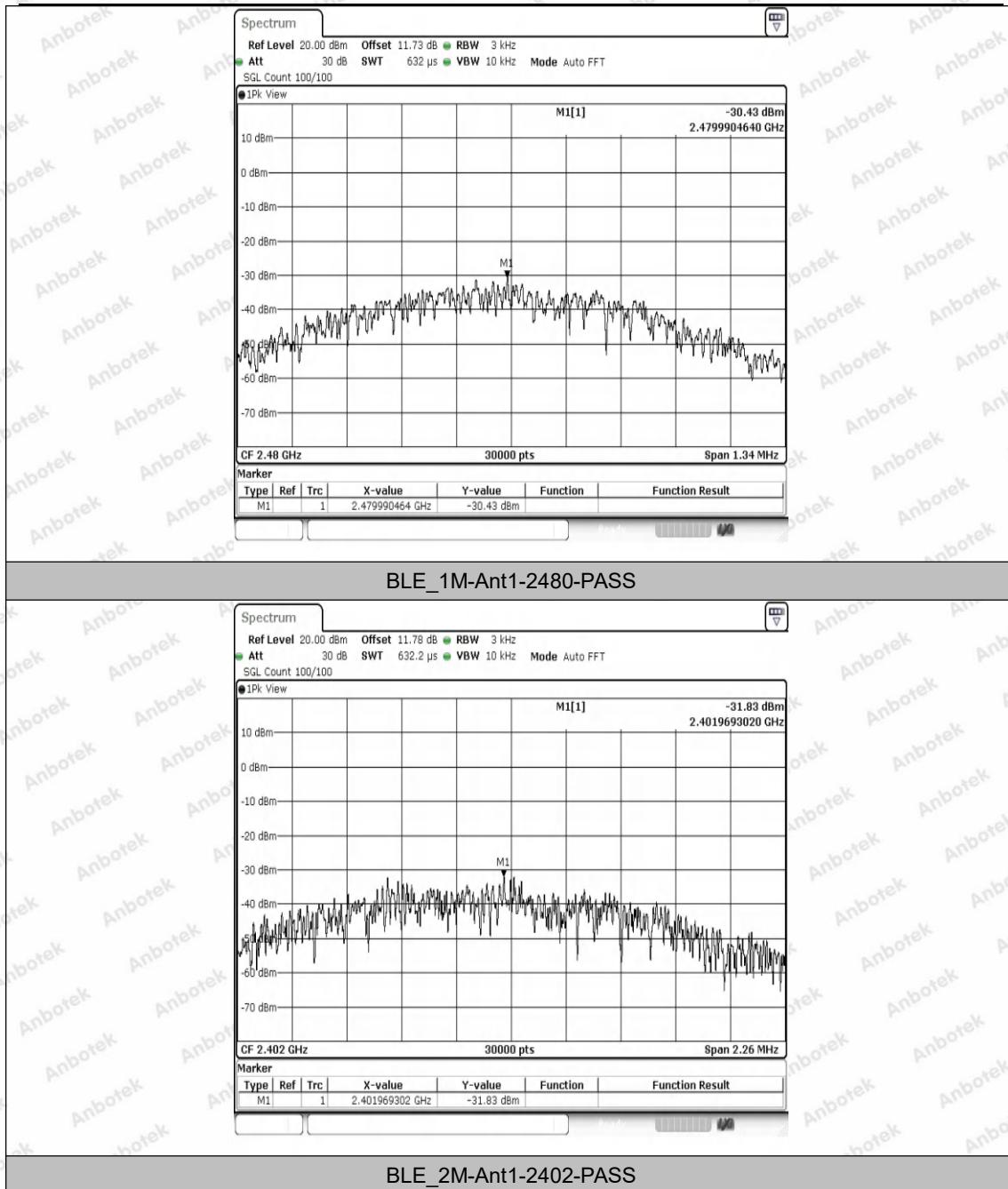
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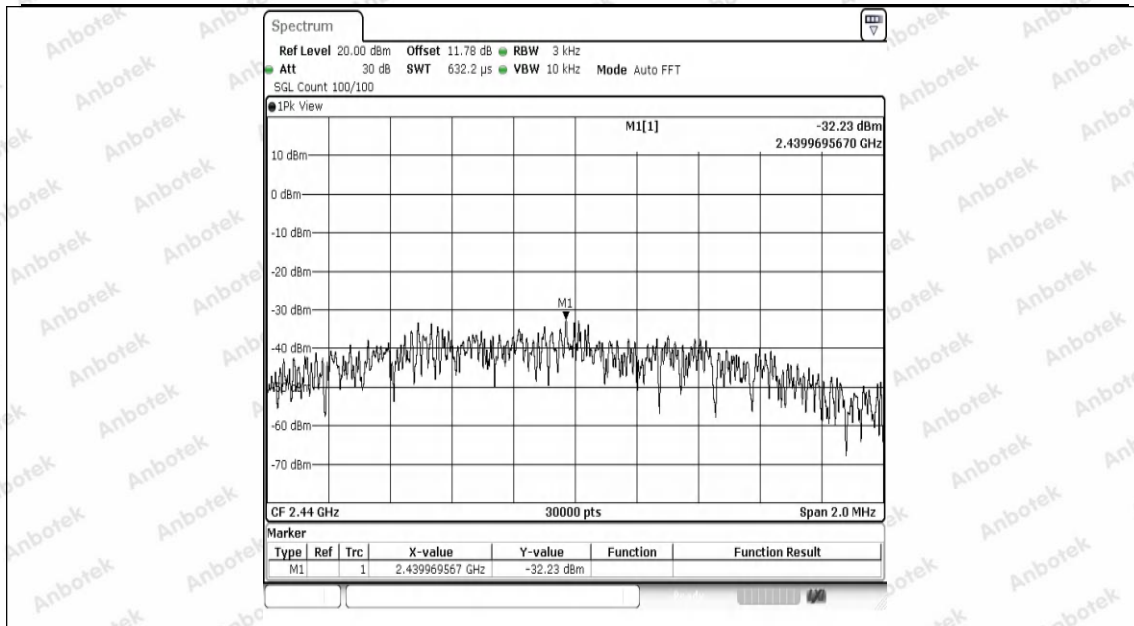
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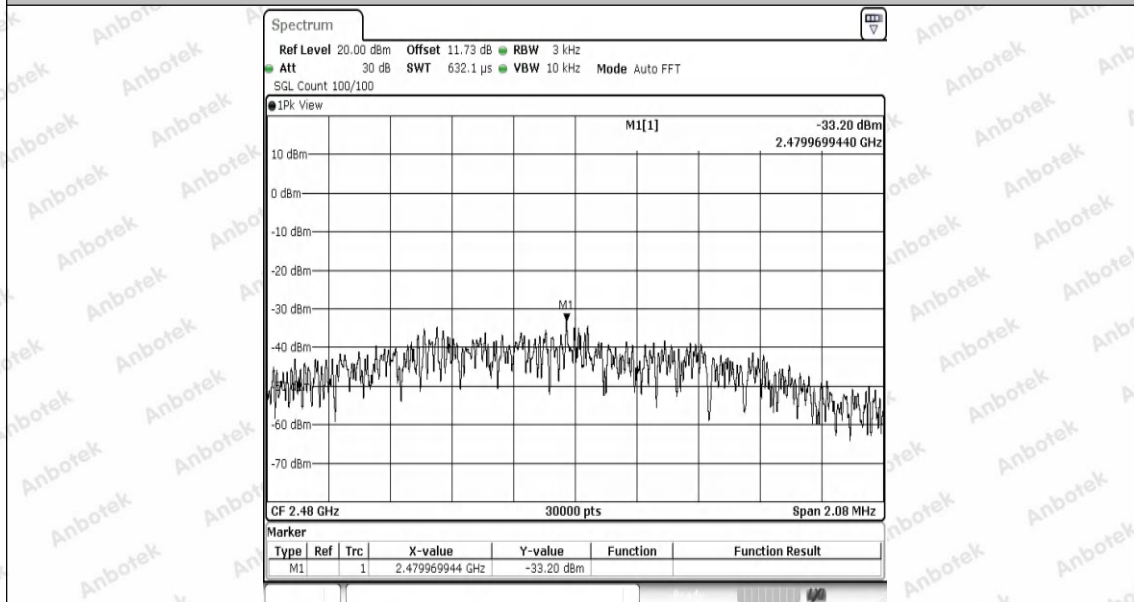


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BLE_2M-Ant1-2440-PASS



BLE_2M-Ant1-2480-PASS

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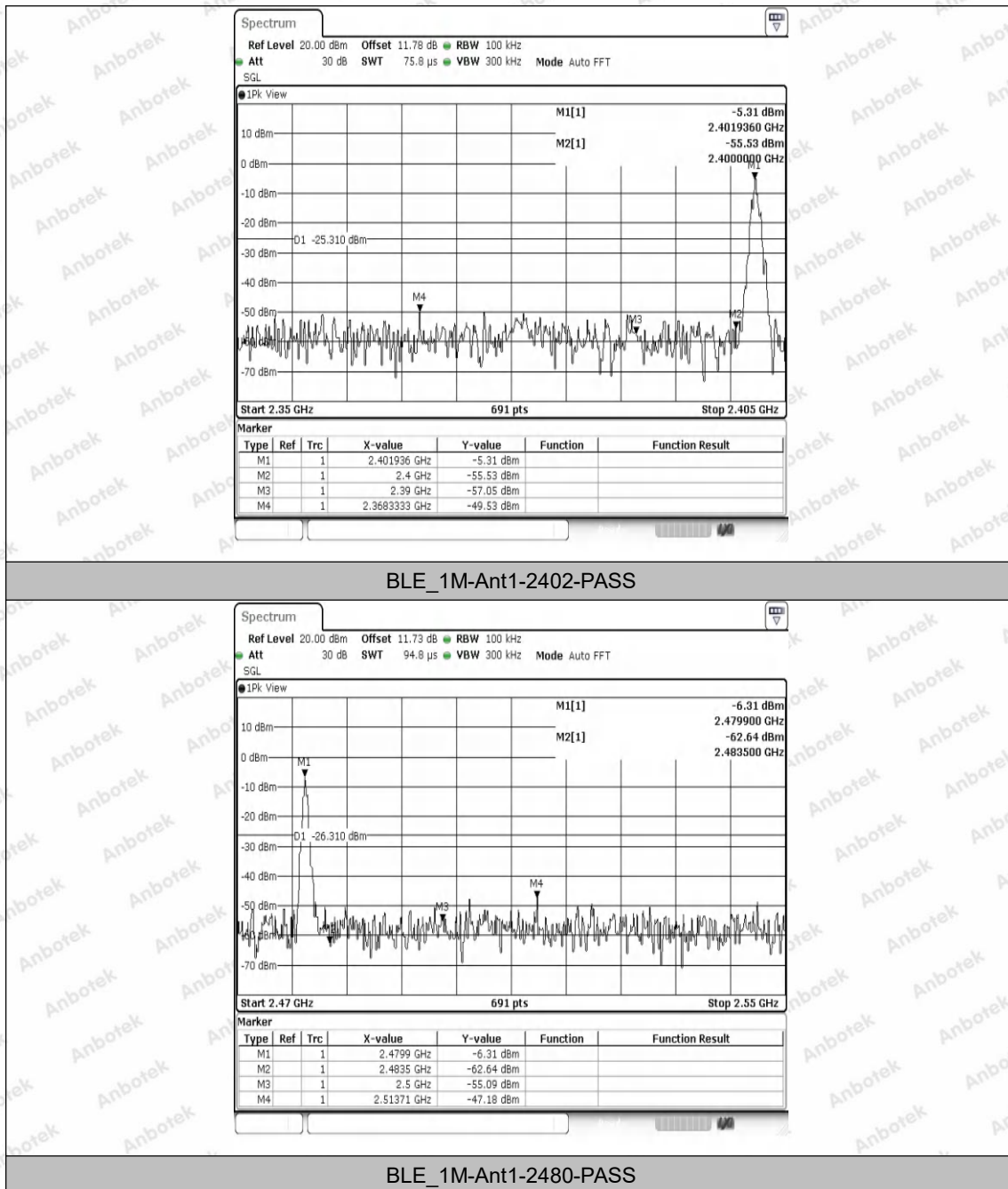
Appendix F: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-5.31	-49.53	≤-25.31	PASS
BLE_1M	Ant1	High	2480	-6.31	-47.18	≤-26.31	PASS
BLE_2M	Ant1	Low	2402	-5.70	-44.59	≤-25.7	PASS
BLE_2M	Ant1	High	2480	-6.91	-48.61	≤-26.91	PASS



Test Graphs



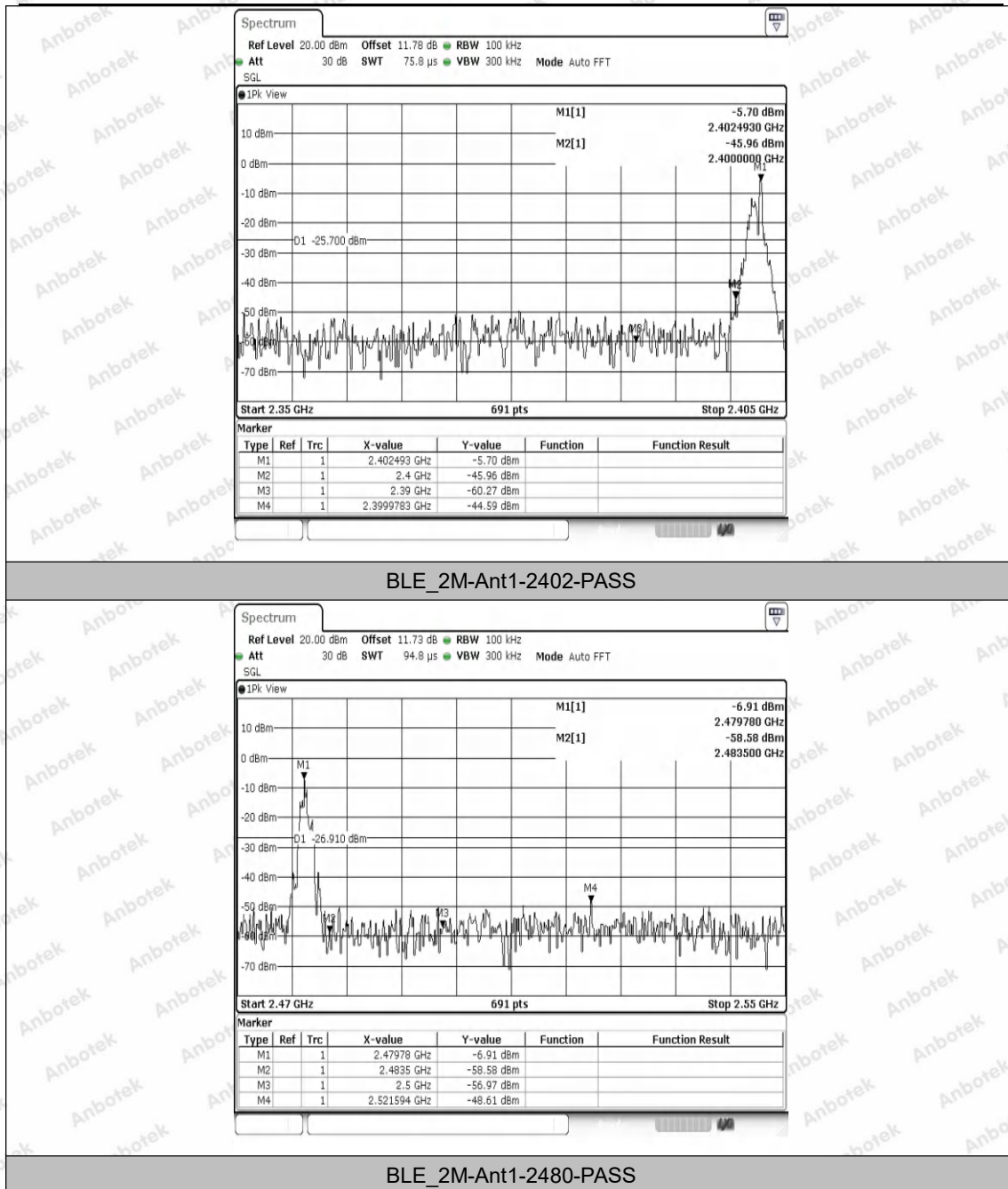
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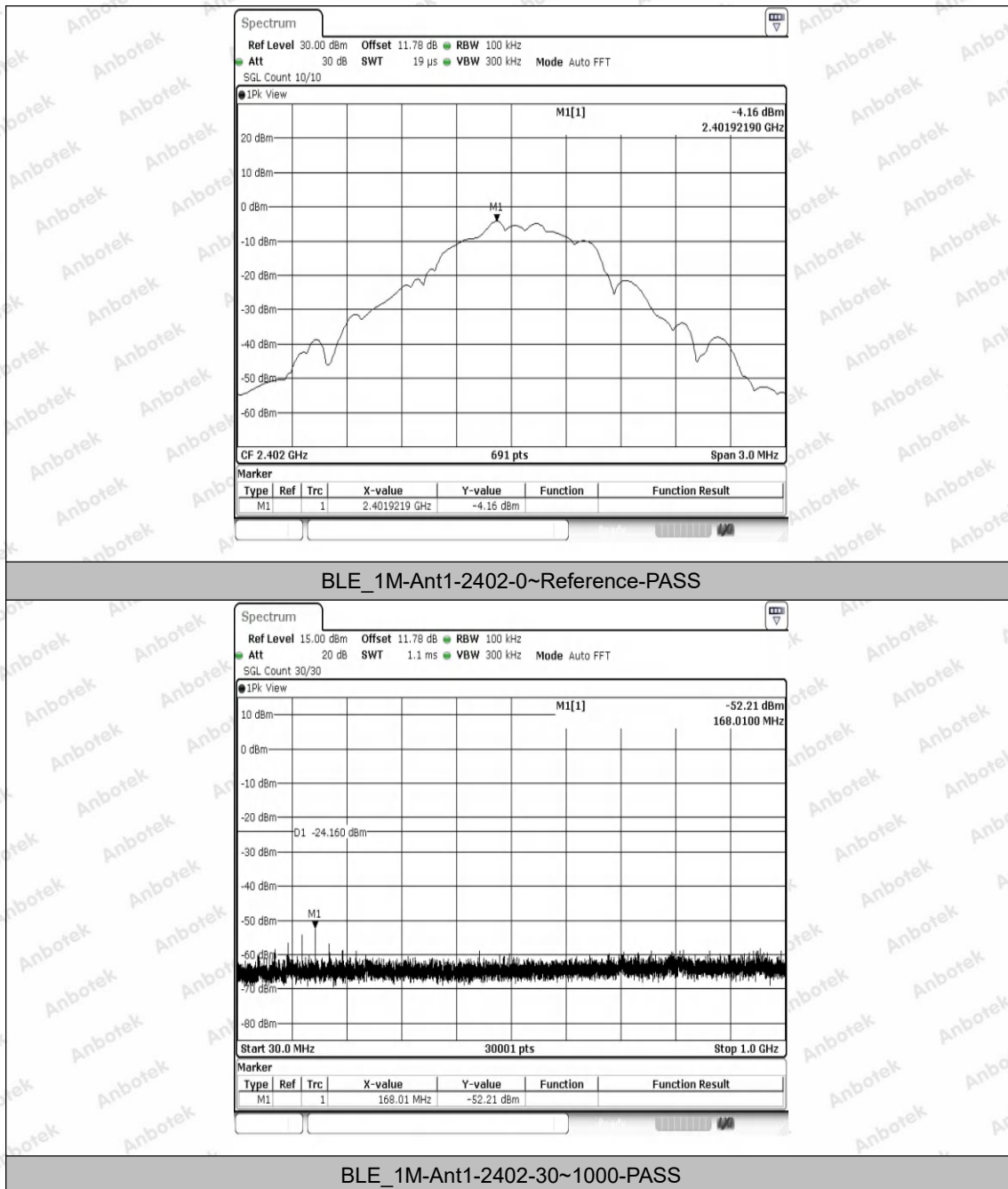
Appendix G: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-4.16	-4.16	---	PASS
BLE_1M	Ant1	2402	30~1000	-4.16	-52.21	≤-24.16	PASS
BLE_1M	Ant1	2402	1000~26500	-4.16	-52.31	≤-24.16	PASS
BLE_1M	Ant1	2440	0~Reference	-4.43	-4.43	---	PASS
BLE_1M	Ant1	2440	30~1000	-4.43	-52.46	≤-24.43	PASS
BLE_1M	Ant1	2440	1000~26500	-4.43	-55.35	≤-24.43	PASS
BLE_1M	Ant1	2480	0~Reference	-6.09	-6.09	---	PASS
BLE_1M	Ant1	2480	30~1000	-6.09	-50.79	≤-26.09	PASS
BLE_1M	Ant1	2480	1000~26500	-6.09	-54.91	≤-26.09	PASS
BLE_2M	Ant1	2402	0~Reference	-4.90	-4.90	---	PASS
BLE_2M	Ant1	2402	30~1000	-4.90	-48.5	≤-24.9	PASS
BLE_2M	Ant1	2402	1000~26500	-4.90	-55.49	≤-24.9	PASS
BLE_2M	Ant1	2440	0~Reference	-7.24	-7.24	---	PASS
BLE_2M	Ant1	2440	30~1000	-7.24	-51.77	≤-27.24	PASS
BLE_2M	Ant1	2440	1000~26500	-7.24	-55.22	≤-27.24	PASS
BLE_2M	Ant1	2480	0~Reference	-8.82	-8.82	---	PASS
BLE_2M	Ant1	2480	30~1000	-8.82	-53.95	≤-28.82	PASS
BLE_2M	Ant1	2480	1000~26500	-8.82	-54.73	≤-28.82	PASS



Test Graphs



BLE_1M-Ant1-2402-30~1000-PASS

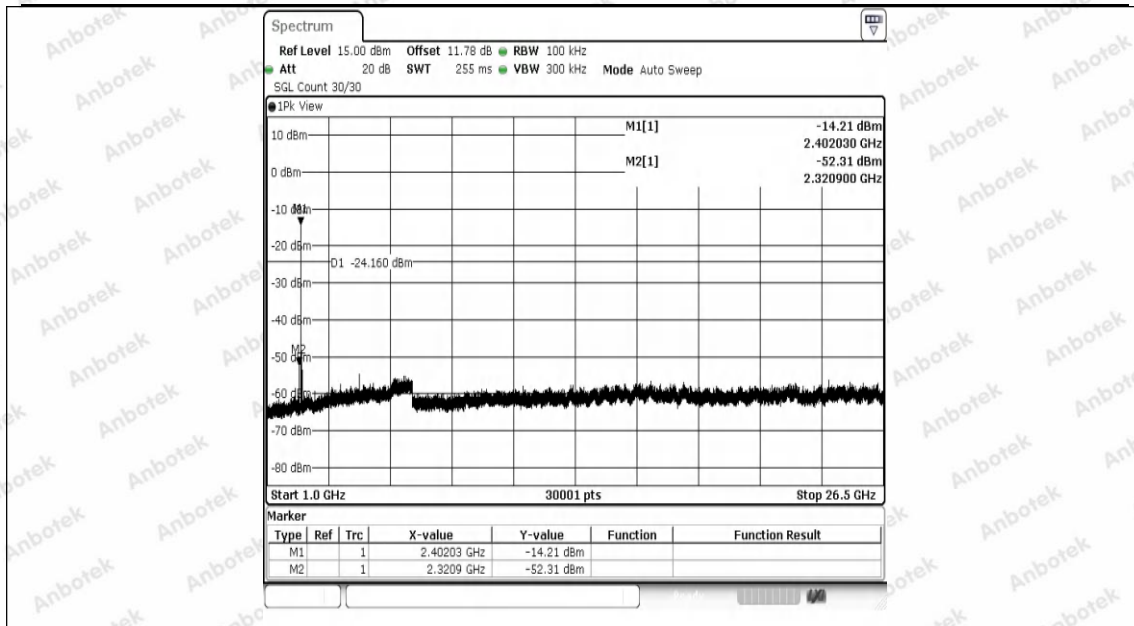
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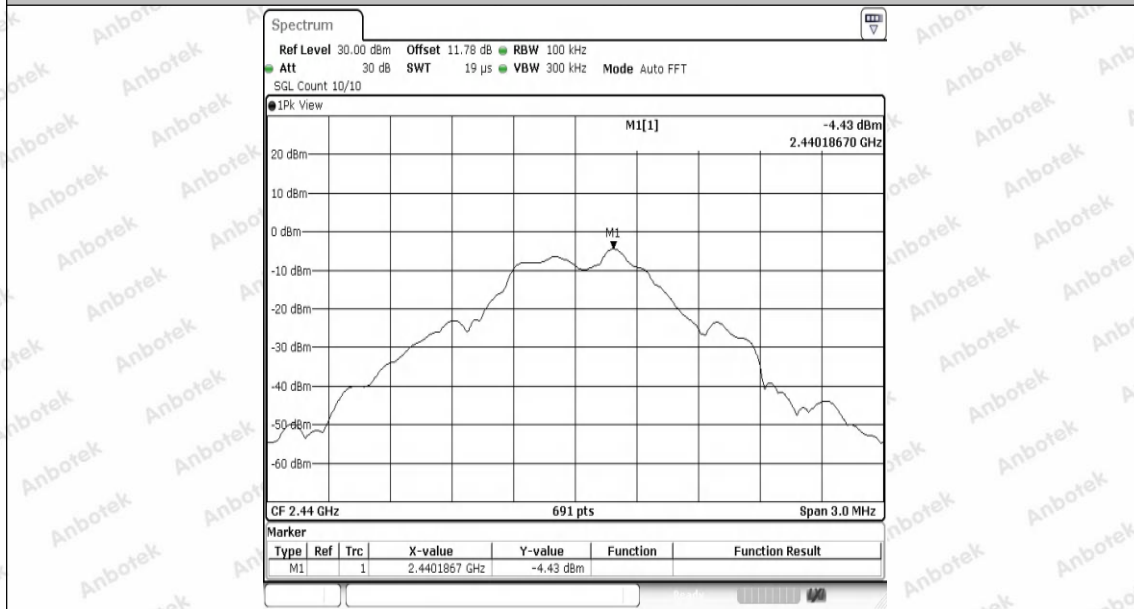


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BLE_1M-Ant1-2402-1000~26500-PASS



BLE_1M-Ant1-2440-0~Reference-PASS

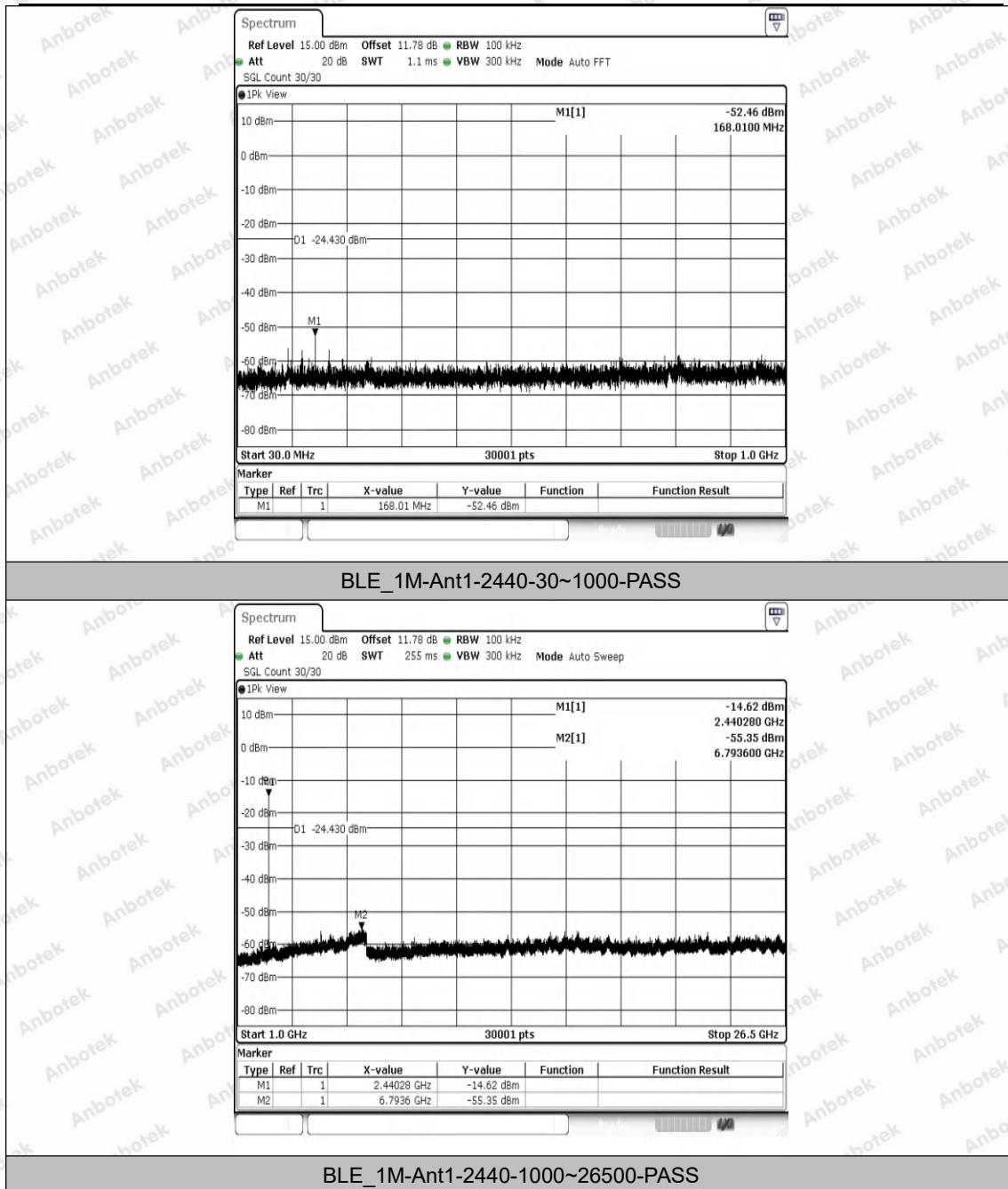
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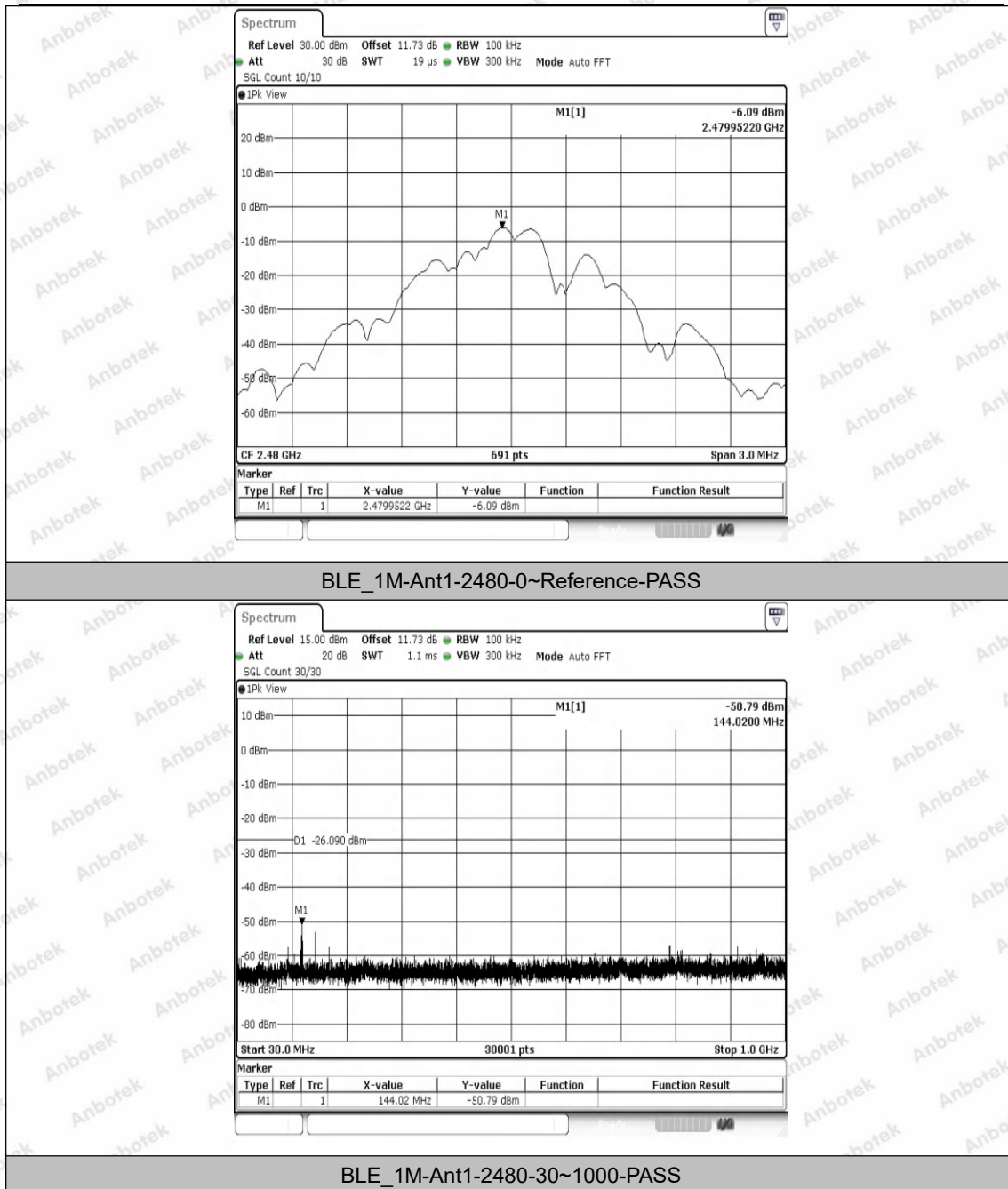
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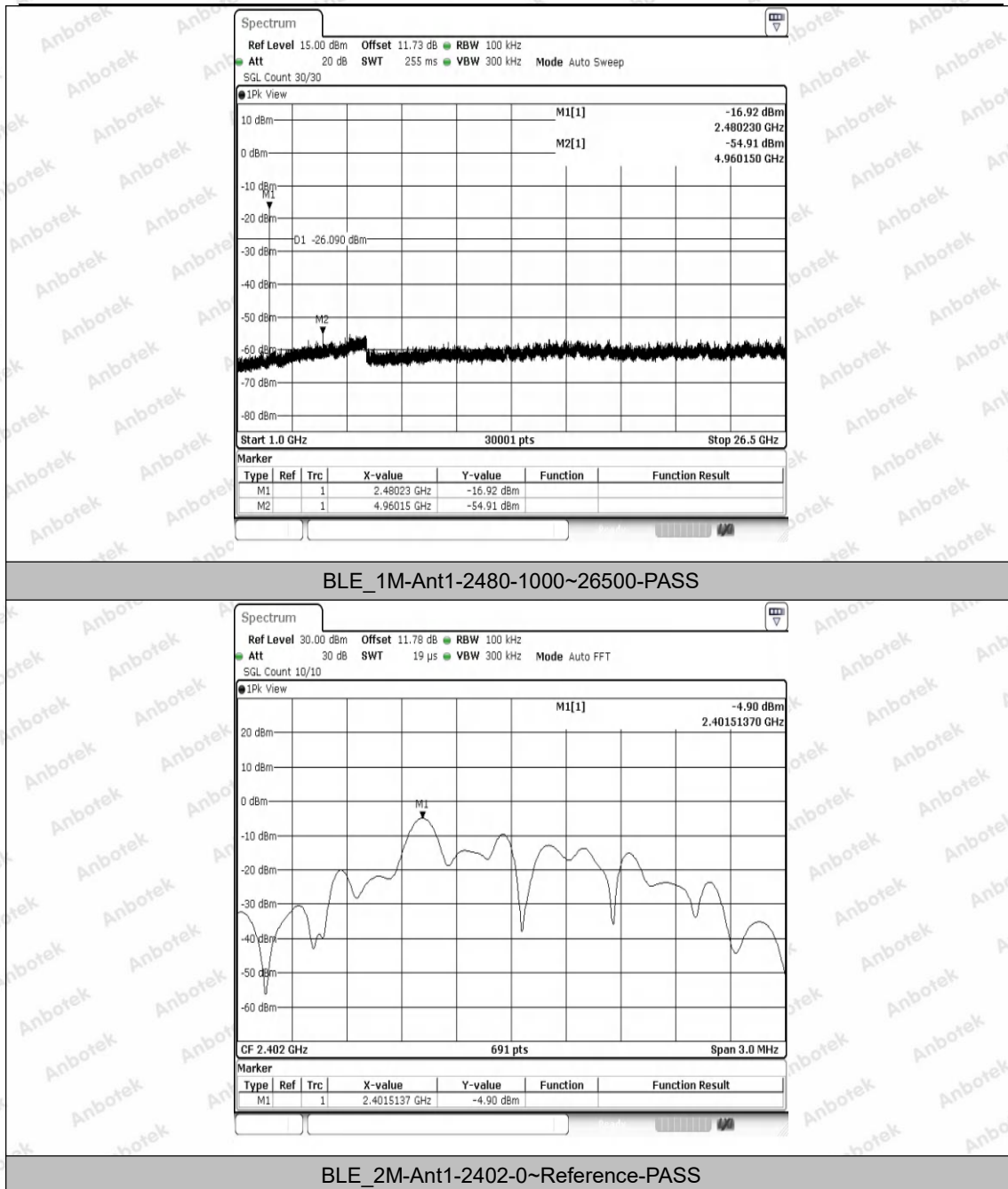
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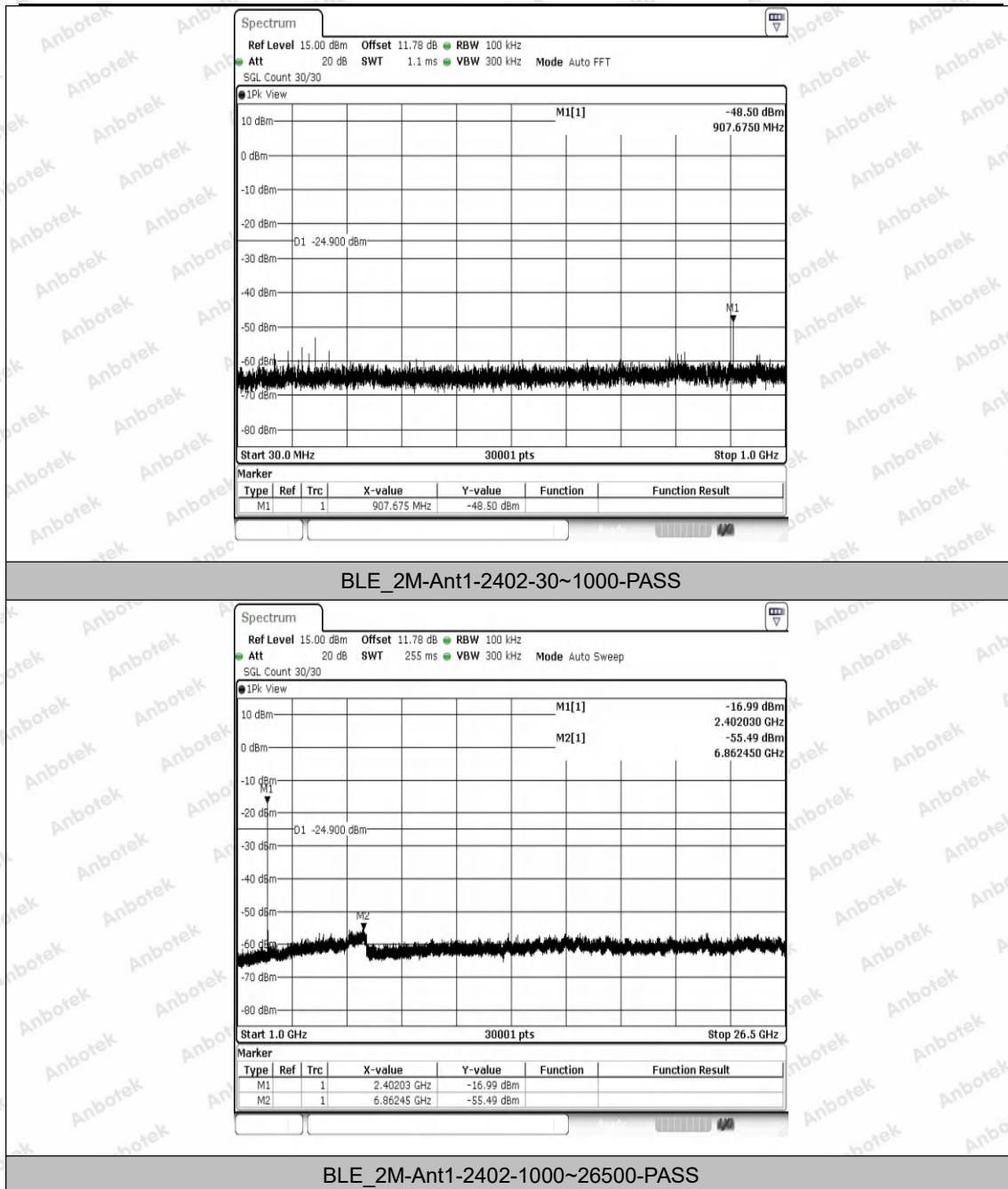
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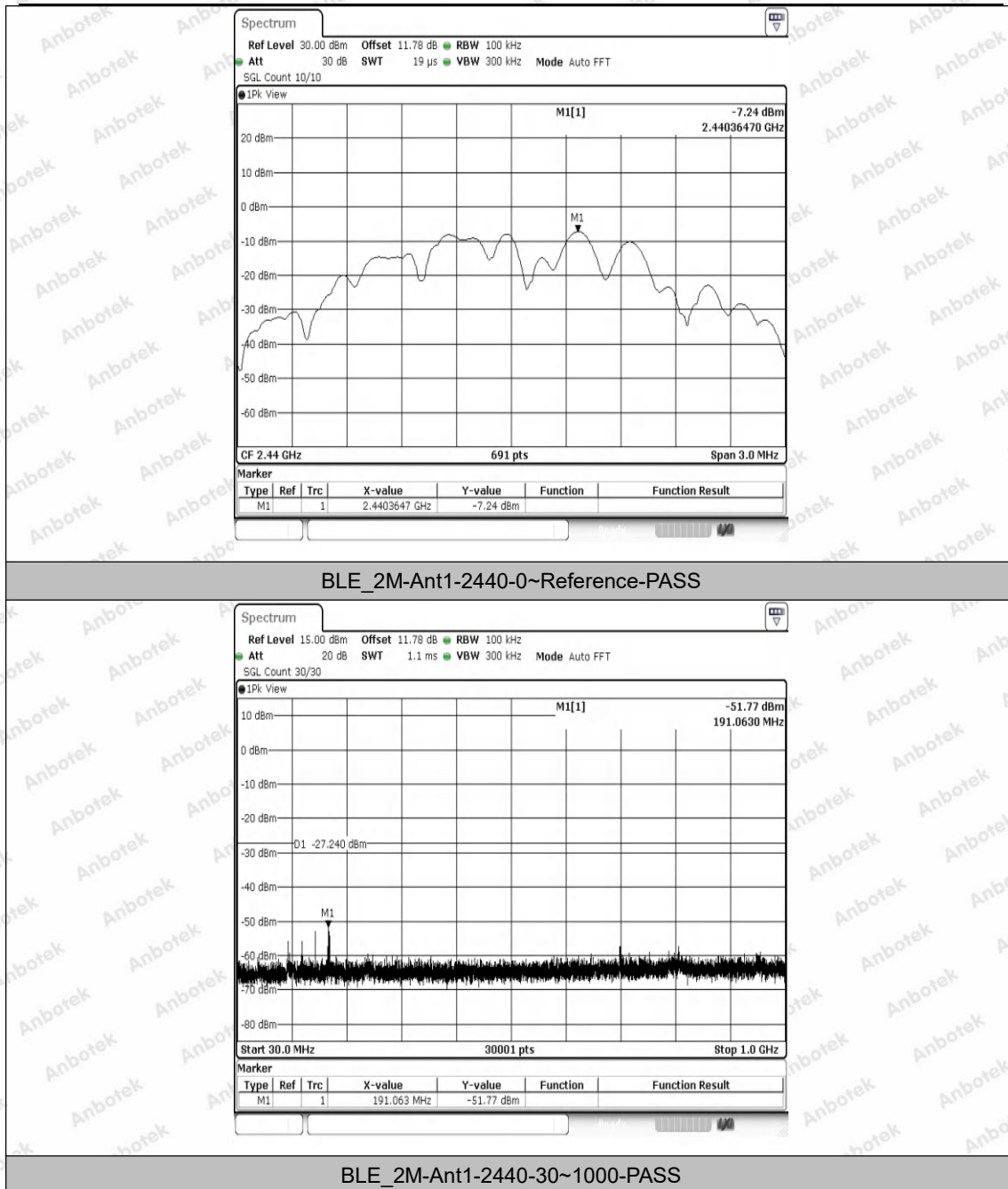
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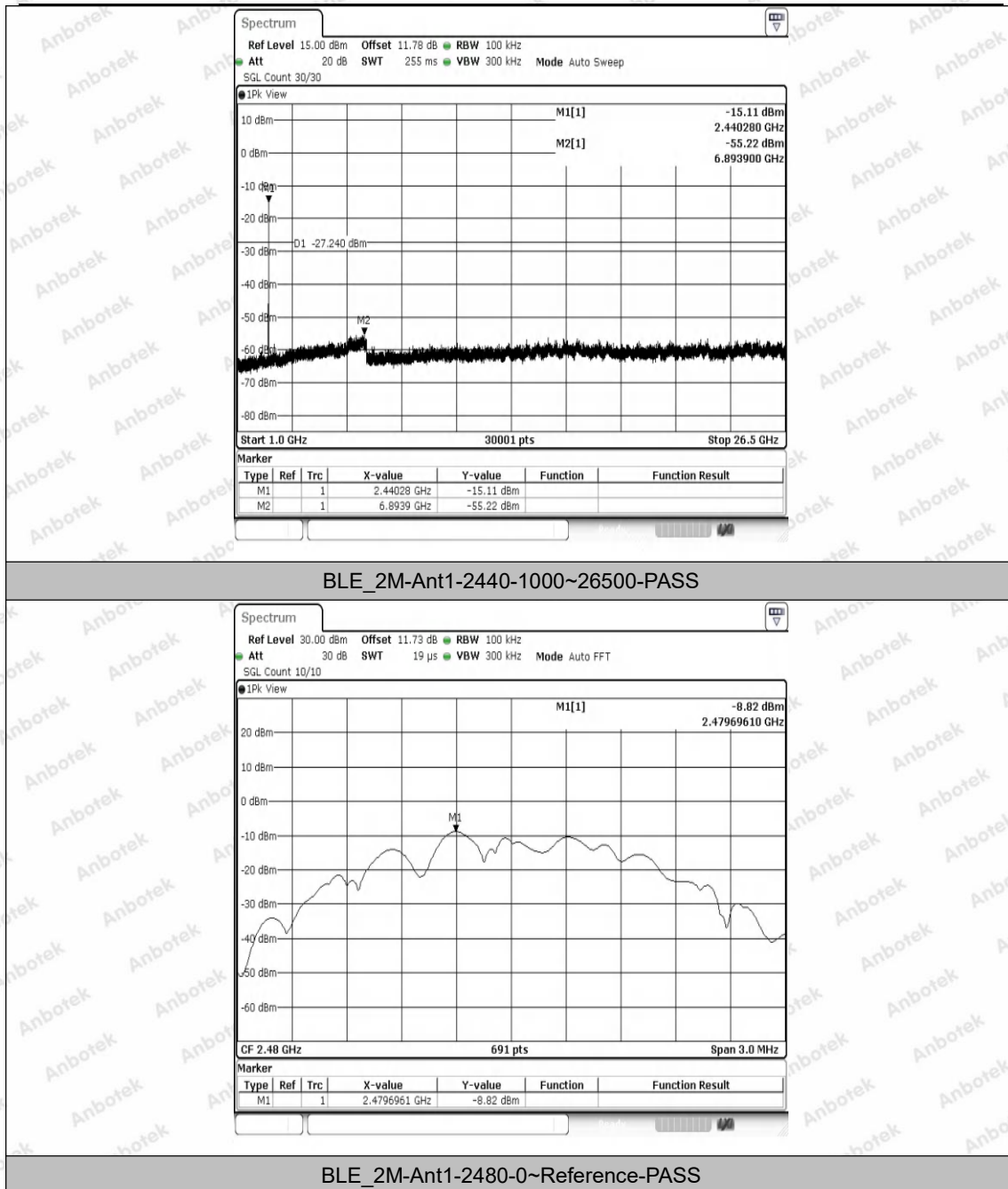
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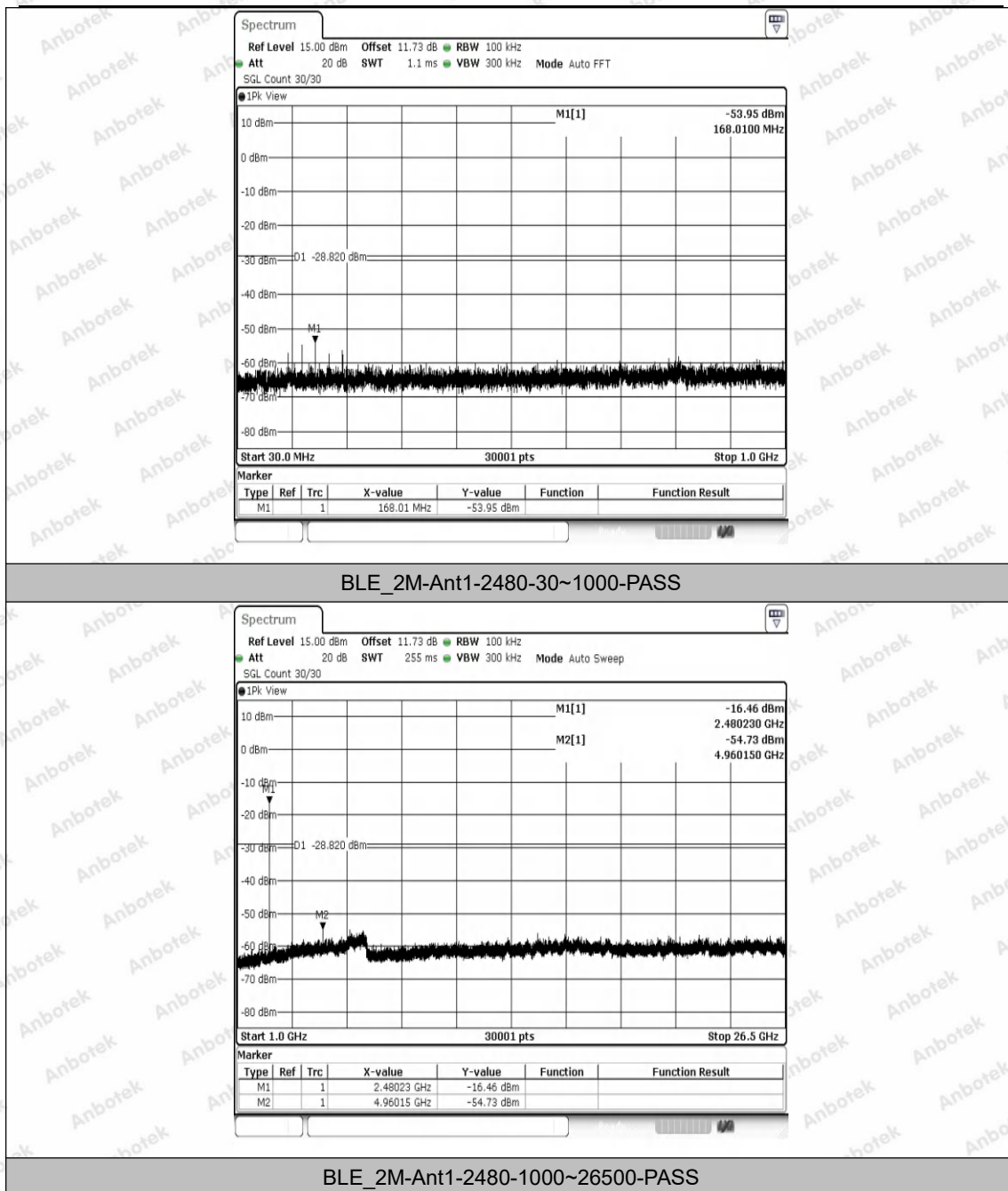
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Appendix H: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.09	0.62	14.52	8.38
BLE_1M	Ant1	2440	0.00	0.83	100	∞
BLE_1M	Ant1	2480	0.00	0.83	100	∞
BLE_2M	Ant1	2402	0.22	1.25	17.60	7.54
BLE_2M	Ant1	2440	0.22	1.25	17.60	7.54
BLE_2M	Ant1	2480	0.22	1.25	17.60	7.54

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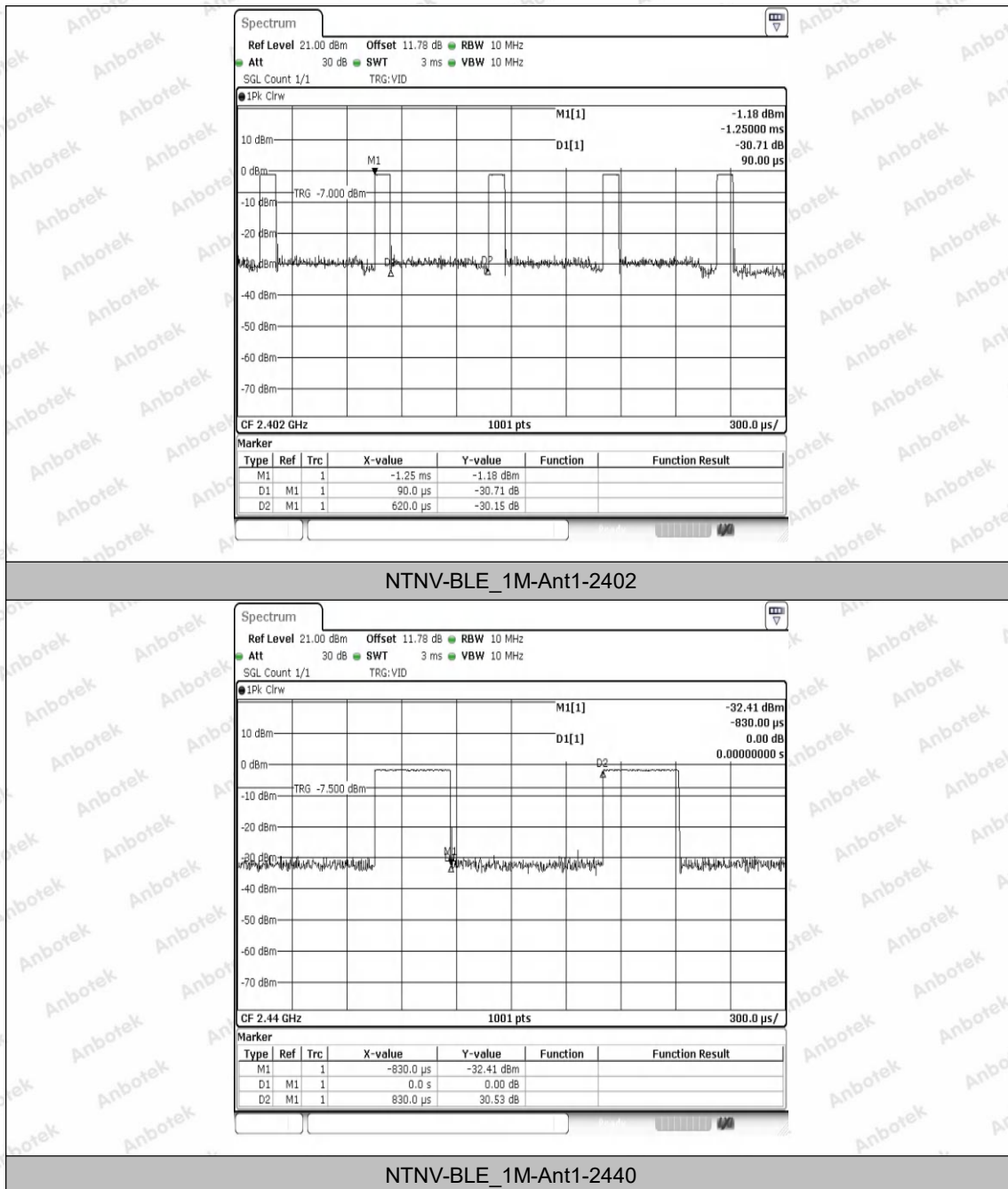
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Test Graphs



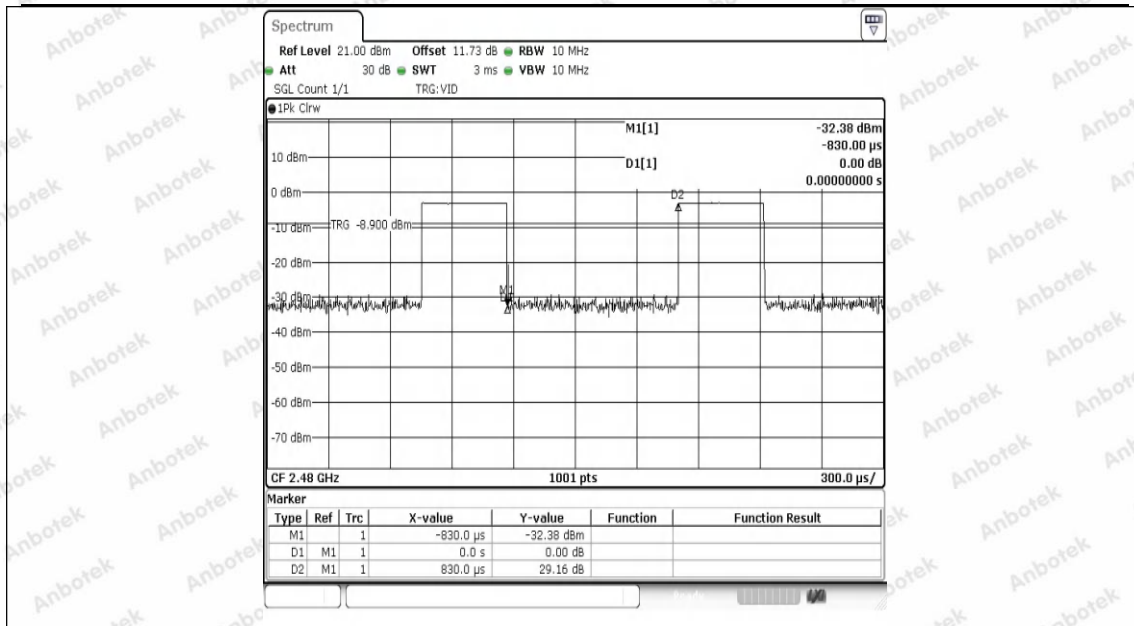
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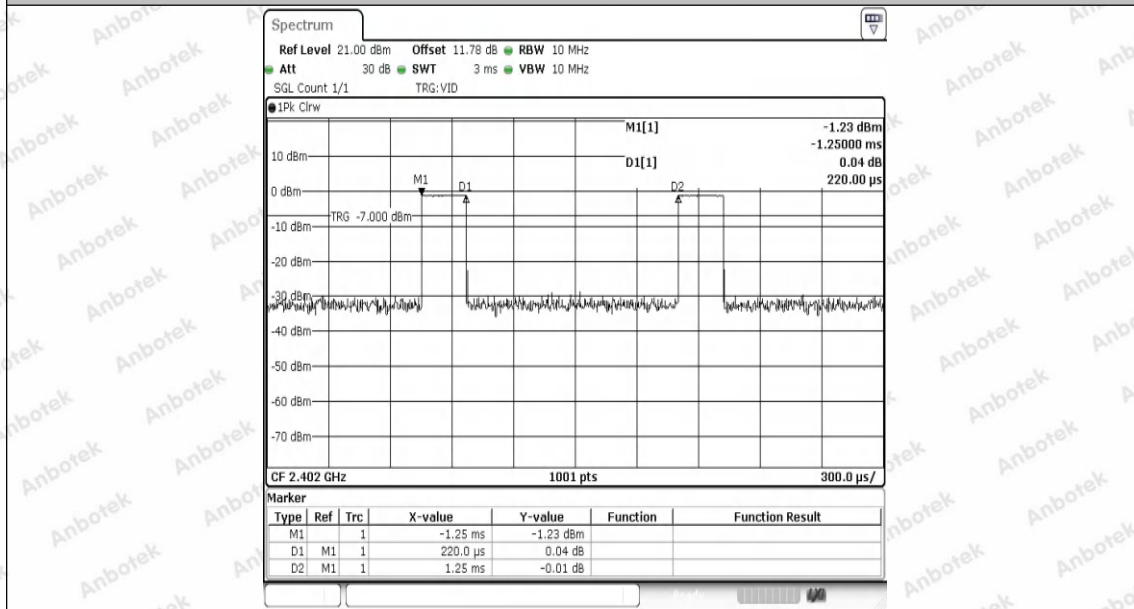


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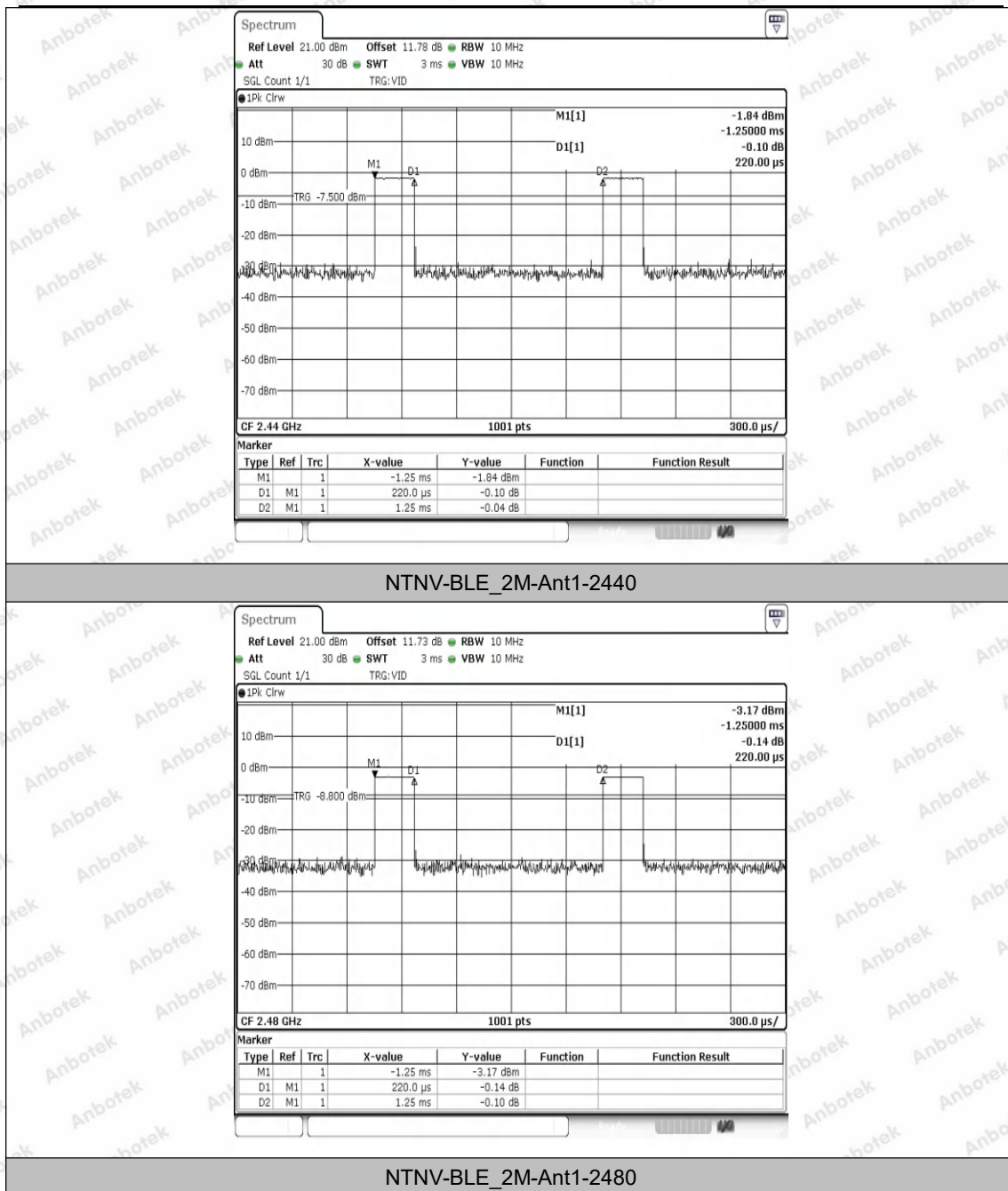


NTNV-BLE_1M-Ant1-2480



NTNV-BLE_2M-Ant1-2402





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