

Appendix Test Data

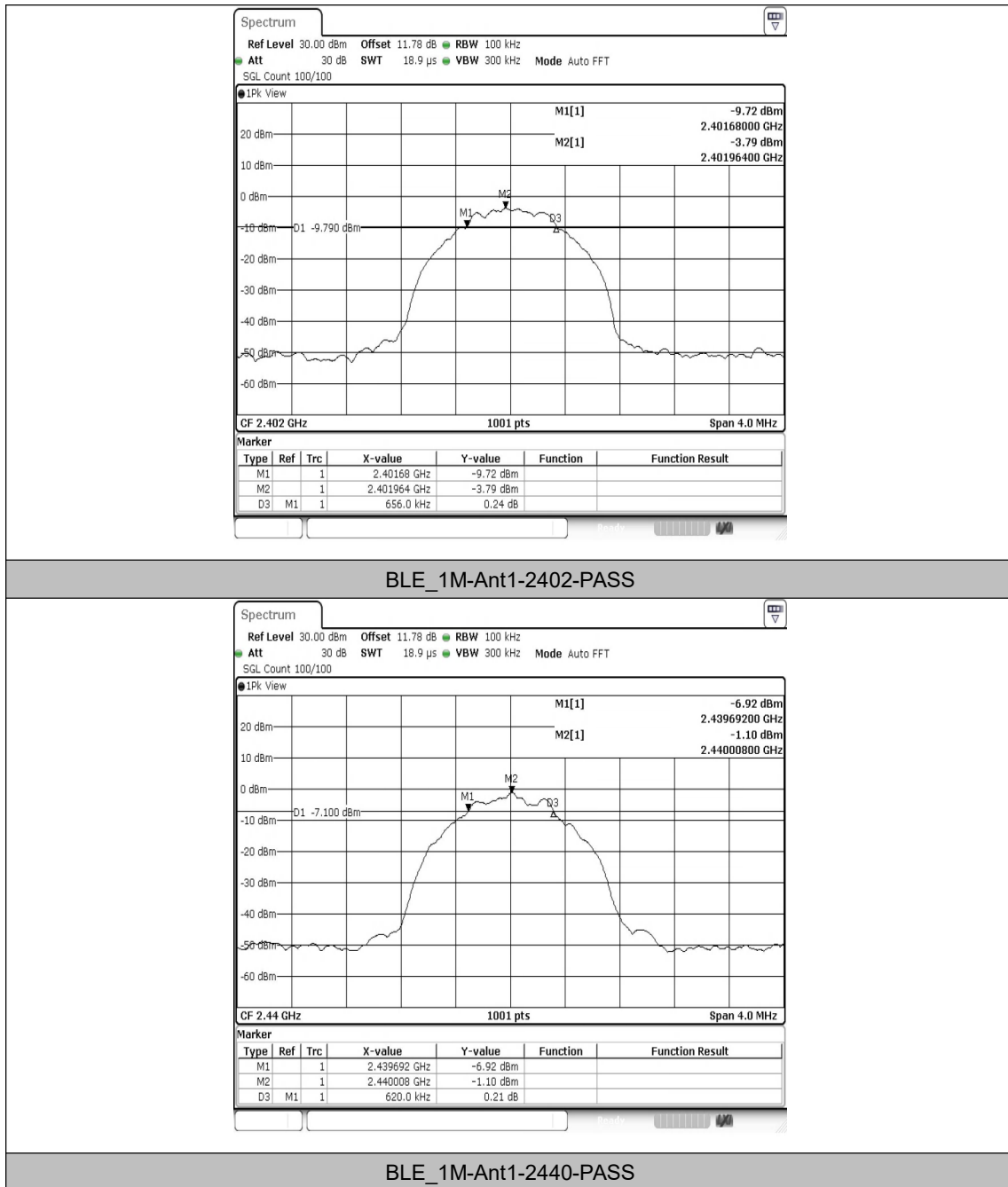
Report No.:	1812C40184012501	Test Sample No.:	1-2-2
Start Test Date:	2024.12.17	Finish Test Date:	2024.12.18
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	23.3℃	Relative Humidity:	53%
Pressure:	101kPa		

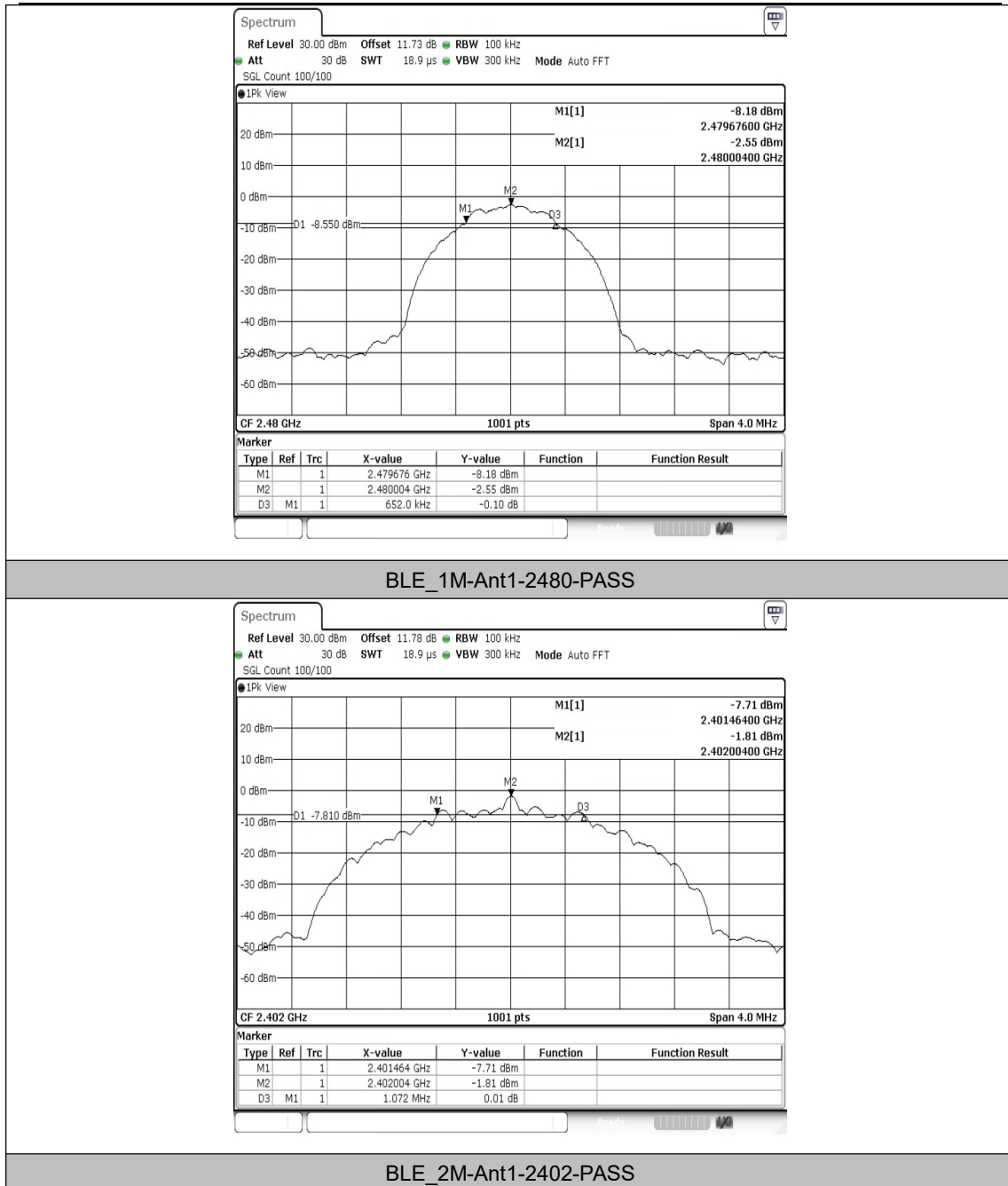
Appendix A: 6dB Bandwidth

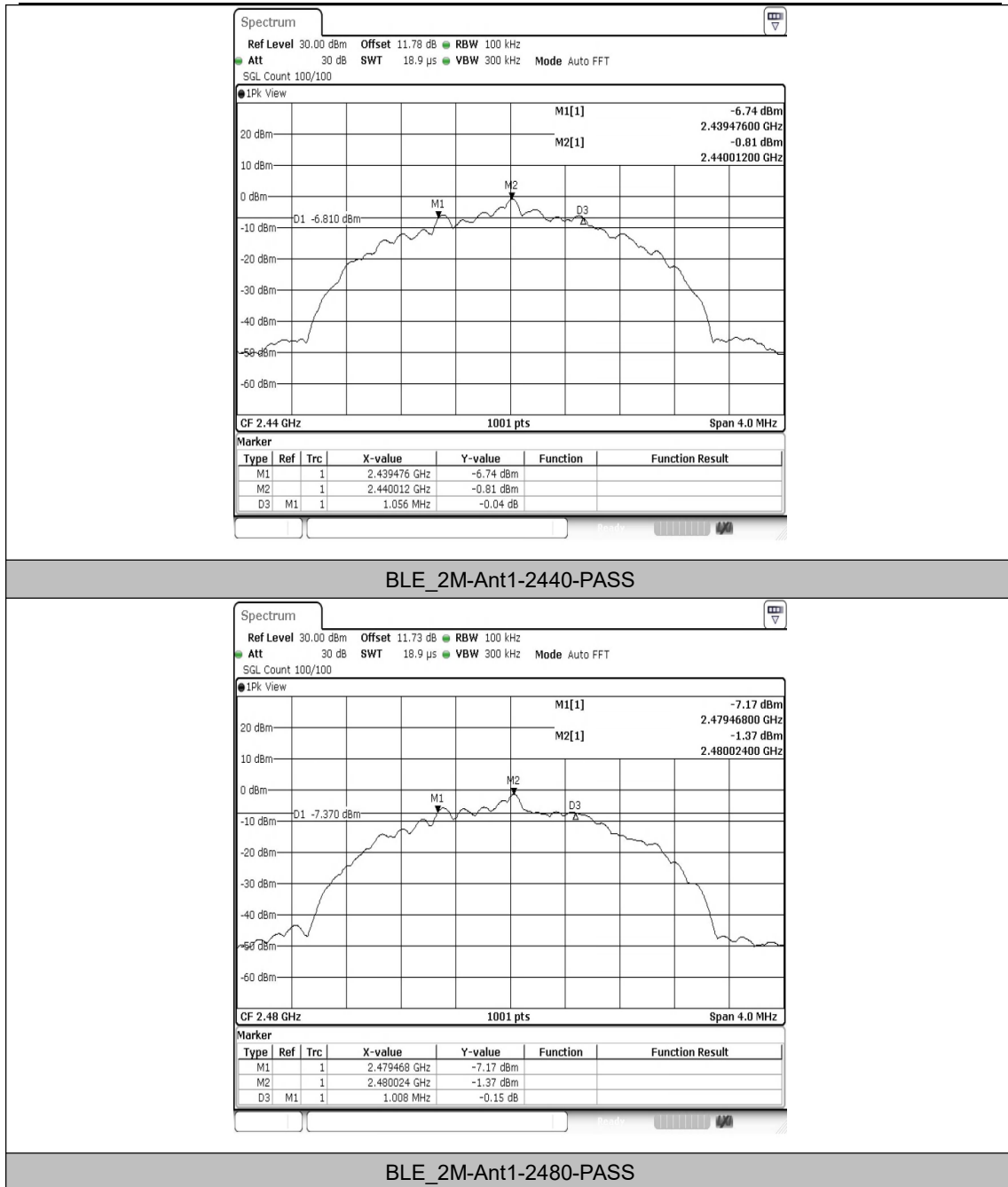
Test Result

Test Mode	Antenna	Frequency [MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.66	2401.68	2402.34	0.5	PASS
BLE_1M	Ant1	2440	0.62	2439.69	2440.31	0.5	PASS
BLE_1M	Ant1	2480	0.65	2479.68	2480.33	0.5	PASS
BLE_2M	Ant1	2402	1.07	2401.46	2402.54	0.5	PASS
BLE_2M	Ant1	2440	1.06	2439.48	2440.53	0.5	PASS
BLE_2M	Ant1	2480	1.01	2479.47	2480.48	0.5	PASS

Test Graphs







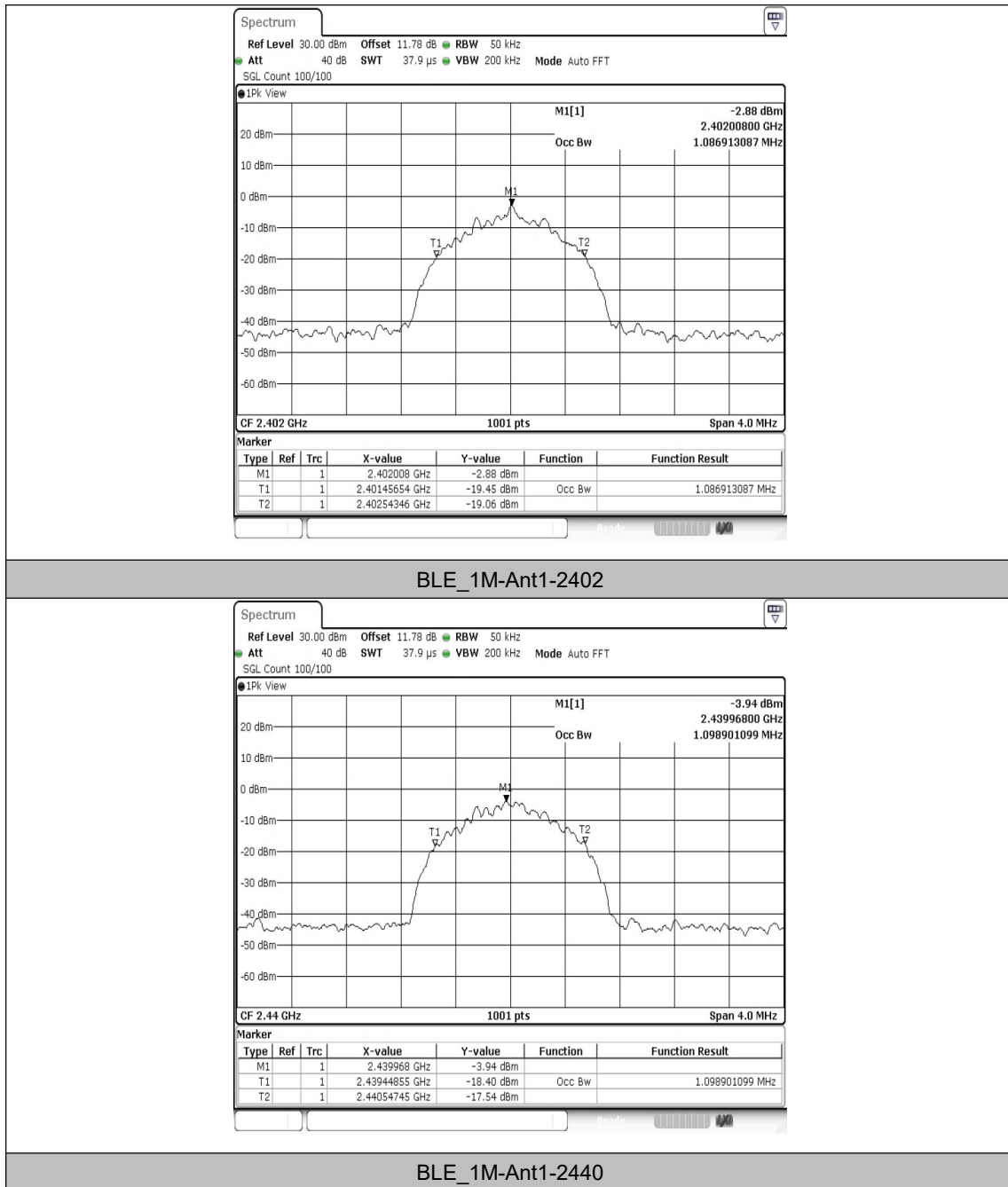
Appendix B: 99% Occupied Bandwidth

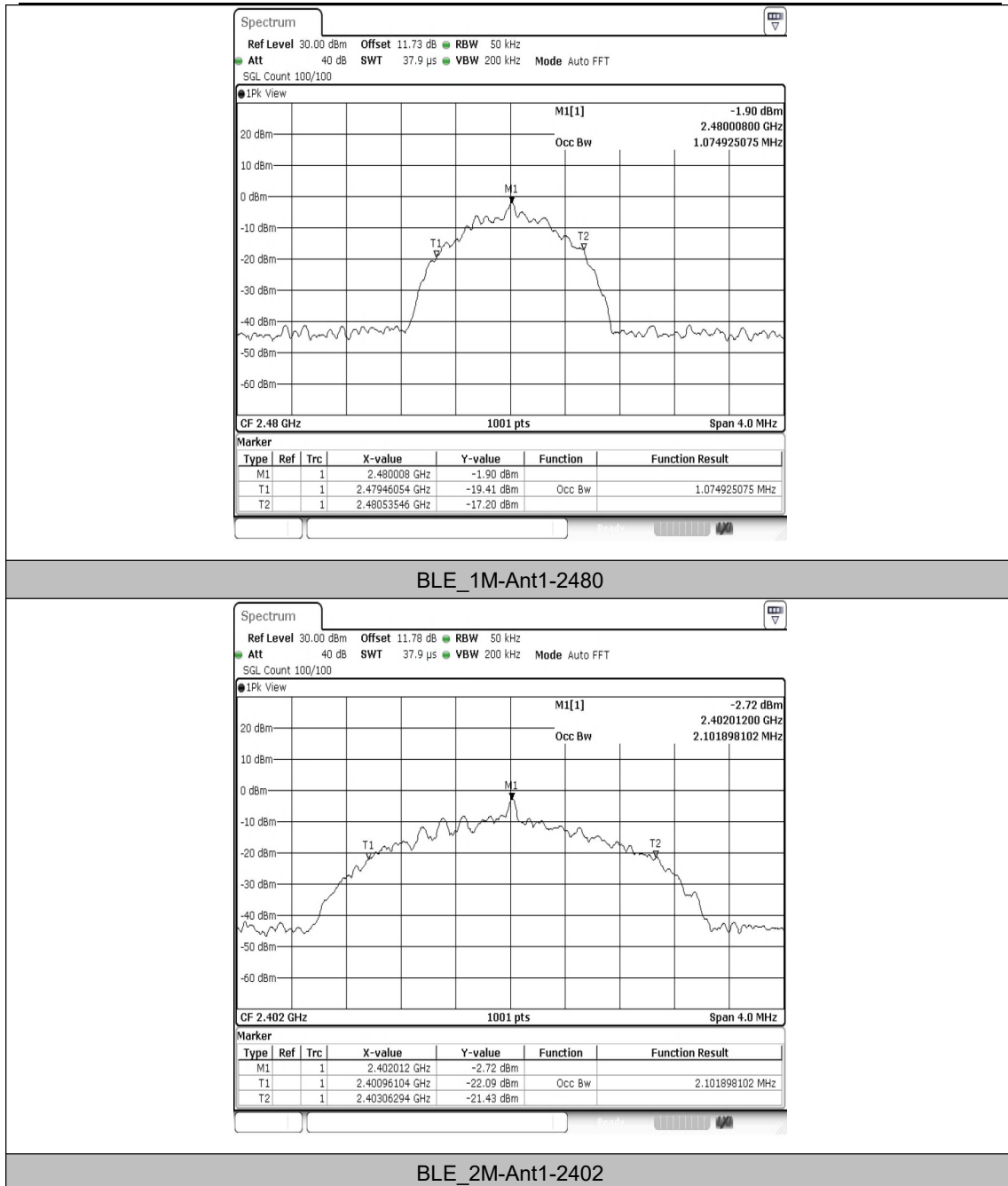
Test Result

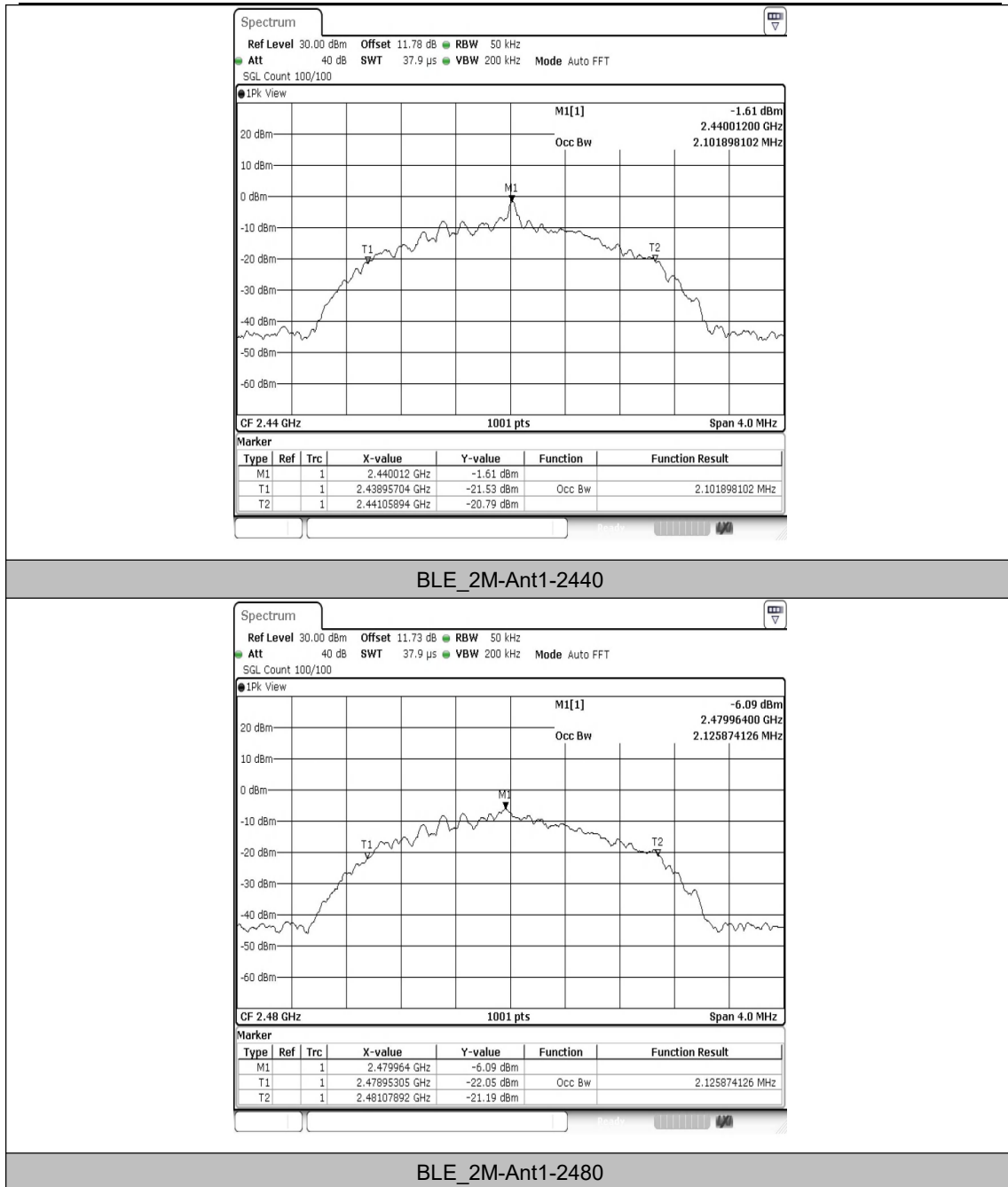
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.087	2401.4565	2402.5435	---	---
BLE_1M	Ant1	2440	1.099	2439.4486	2440.5475	---	---
BLE_1M	Ant1	2480	1.075	2479.4605	2480.5355	---	---
BLE_2M	Ant1	2402	2.102	2400.9610	2403.0629	---	---
BLE_2M	Ant1	2440	2.102	2438.9570	2441.0589	---	---
BLE_2M	Ant1	2480	2.126	2478.9530	2481.0789	---	---

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Test Graphs





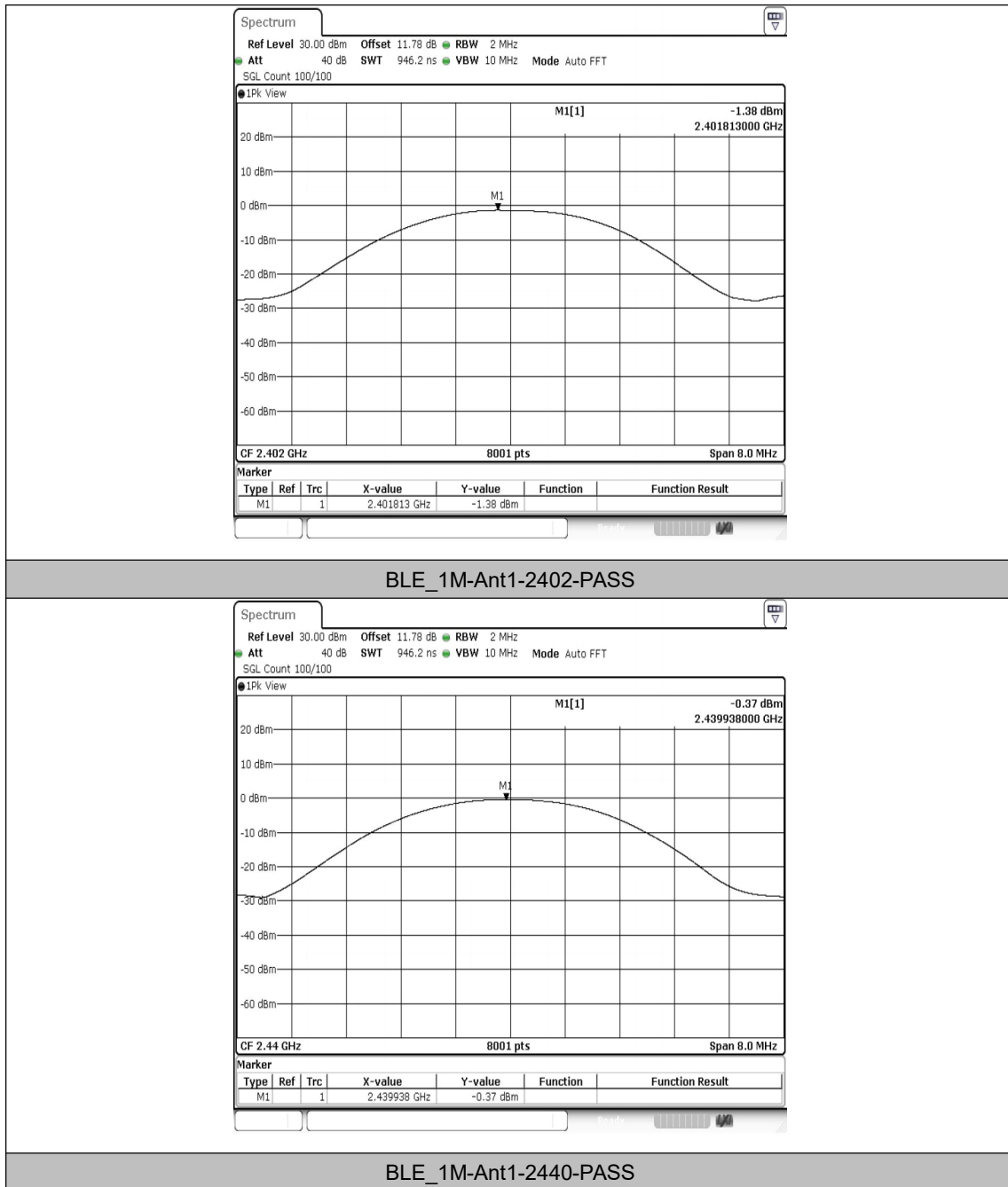


Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.38	≤30	PASS
BLE_1M	Ant1	2440	-0.37	≤30	PASS
BLE_1M	Ant1	2480	-0.69	≤30	PASS
BLE_2M	Ant1	2402	-1.47	≤30	PASS
BLE_2M	Ant1	2440	-0.63	≤30	PASS
BLE_2M	Ant1	2480	-0.92	≤30	PASS

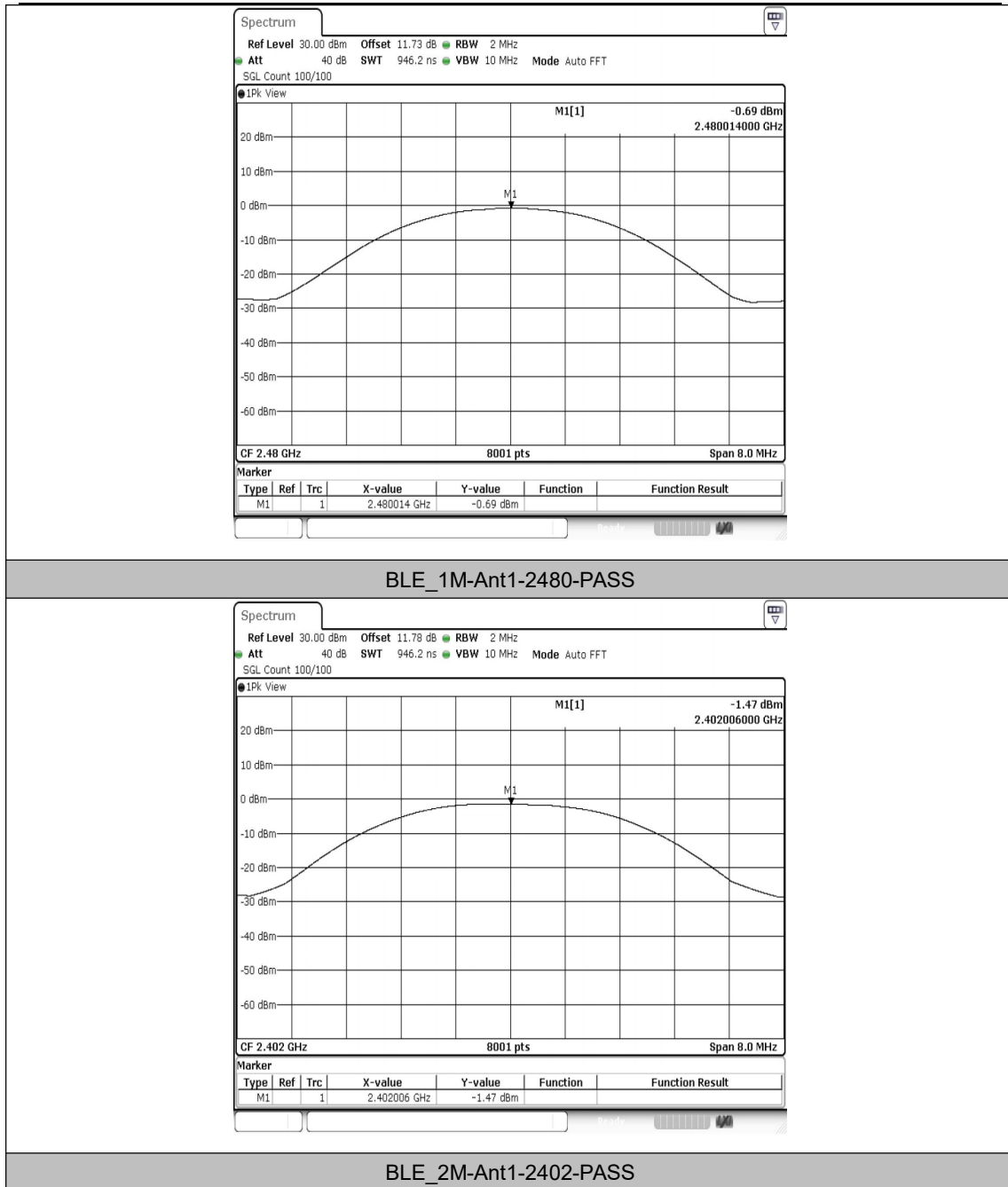
Test Graphs Peak



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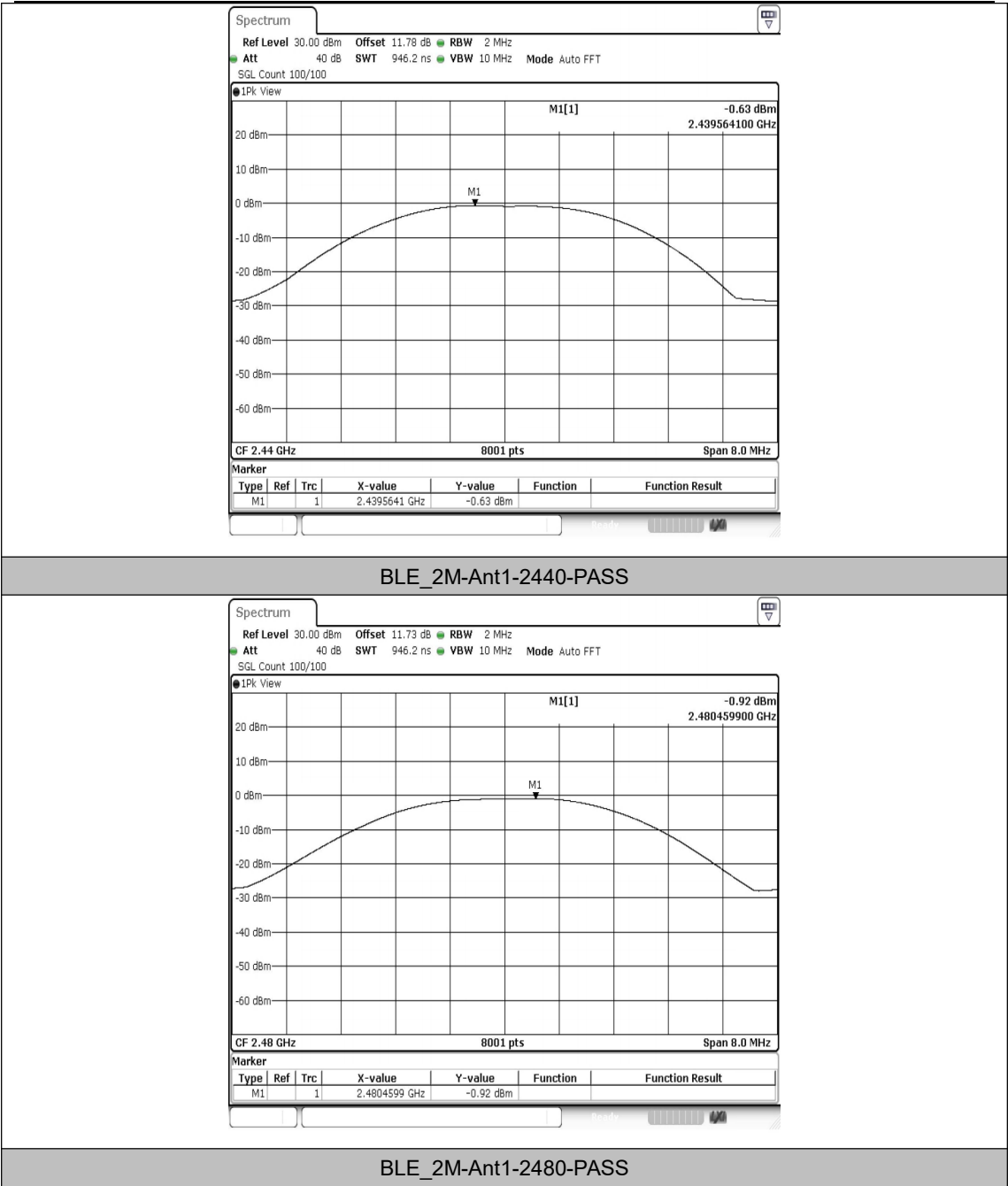
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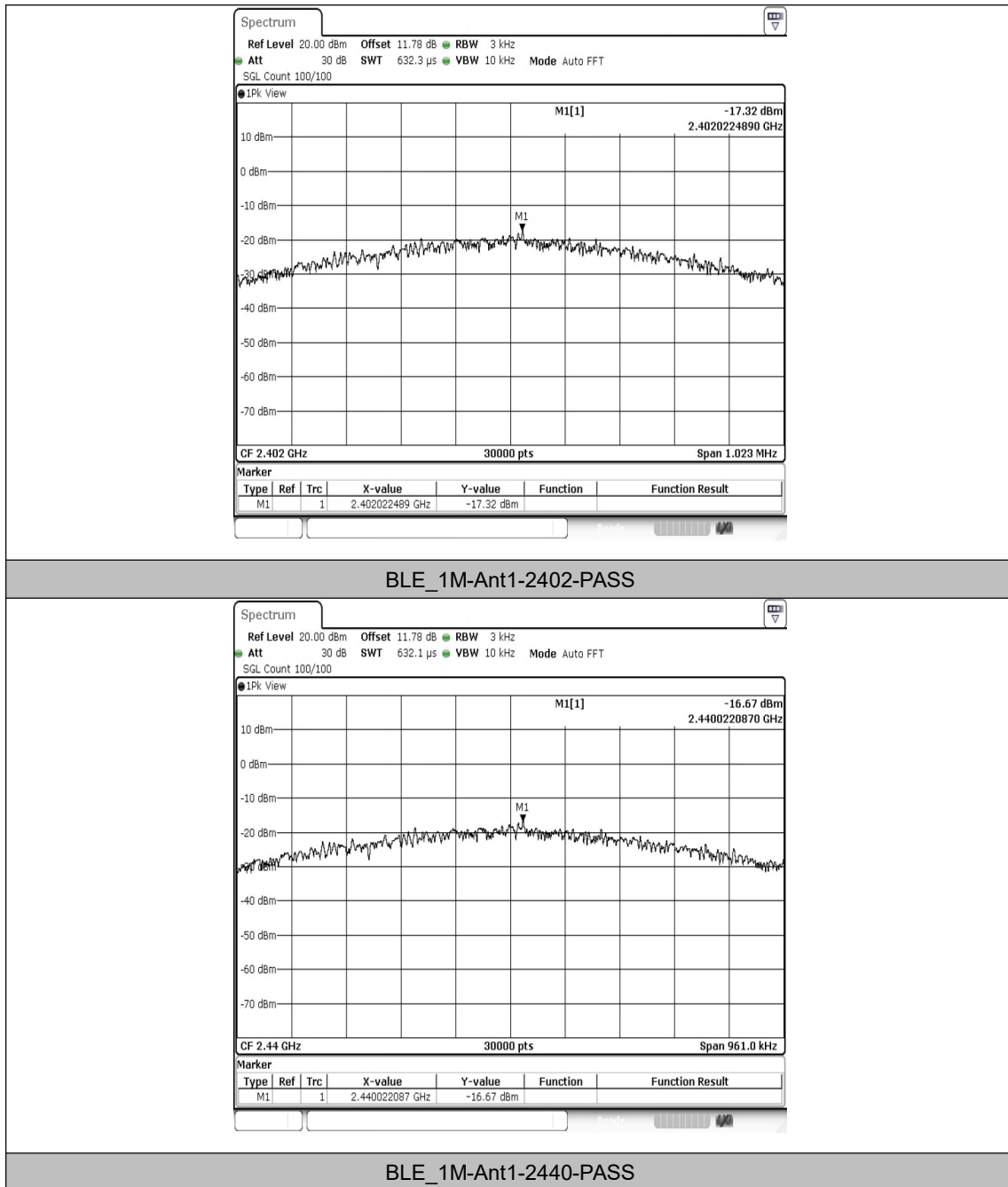
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-17.32	≤8.00	PASS
BLE_1M	Ant1	2440	-16.67	≤8.00	PASS
BLE_1M	Ant1	2480	-16.94	≤8.00	PASS
BLE_2M	Ant1	2402	-19.19	≤8.00	PASS
BLE_2M	Ant1	2440	-18.30	≤8.00	PASS
BLE_2M	Ant1	2480	-19.46	≤8.00	PASS

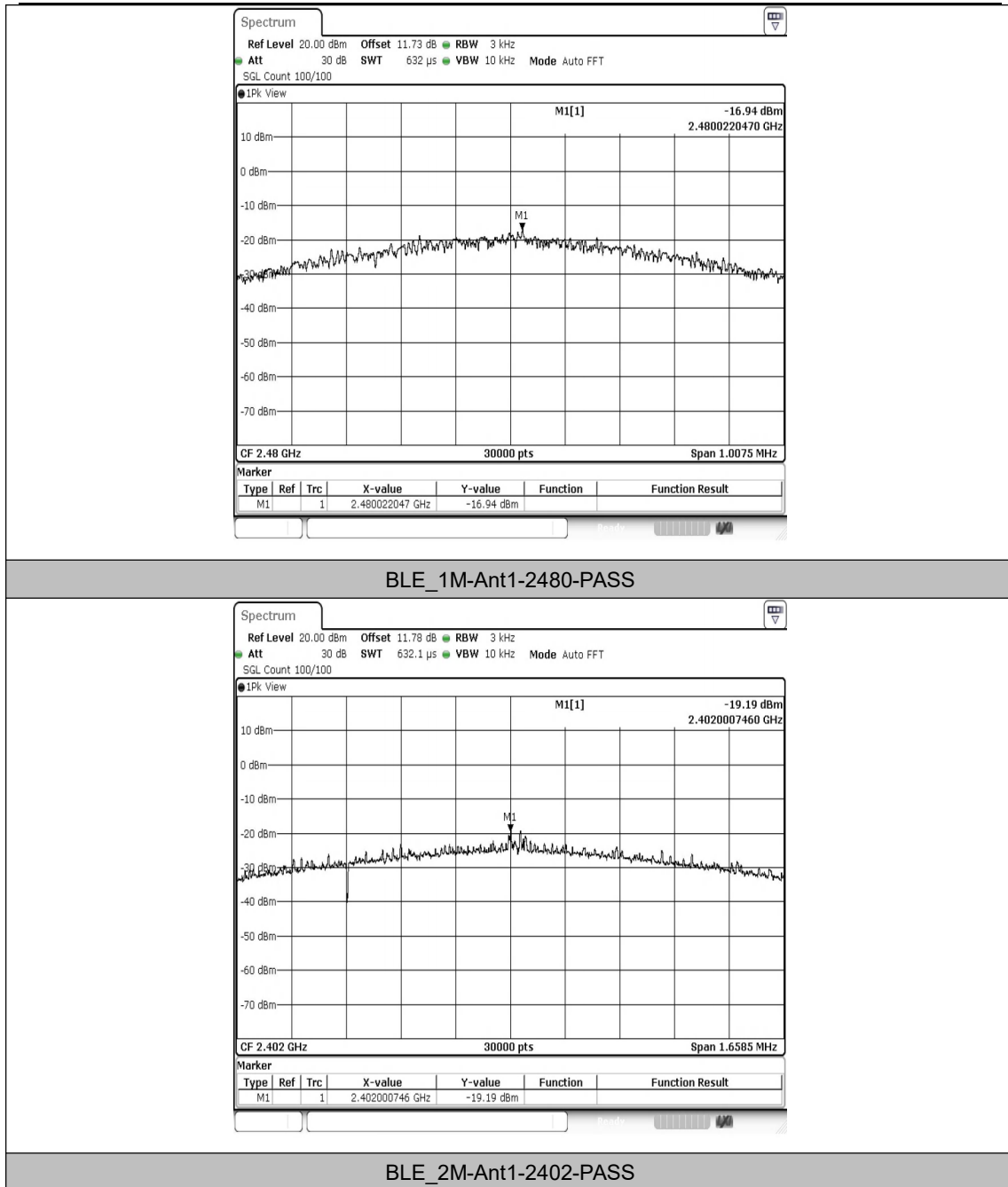
Test Graphs

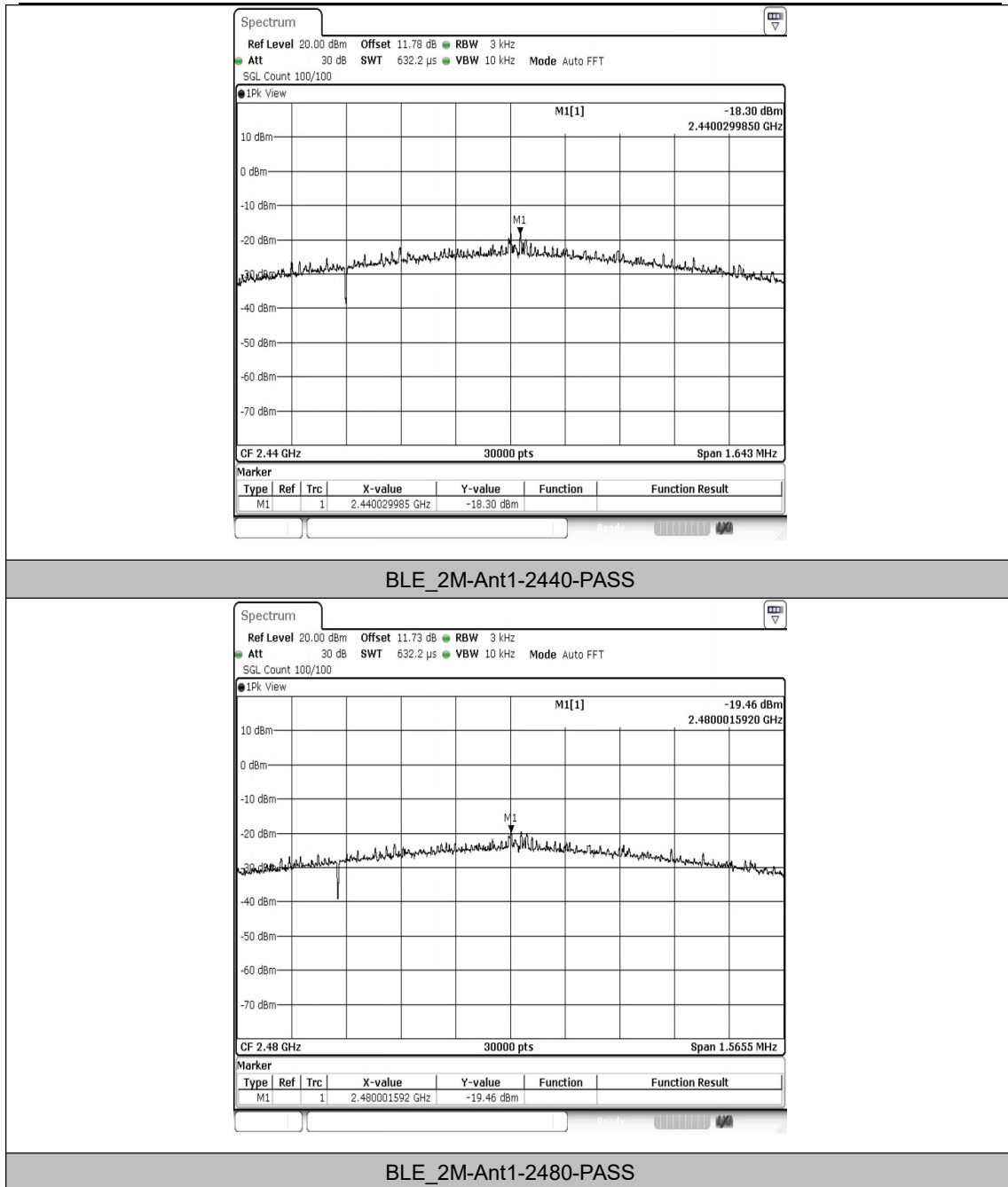


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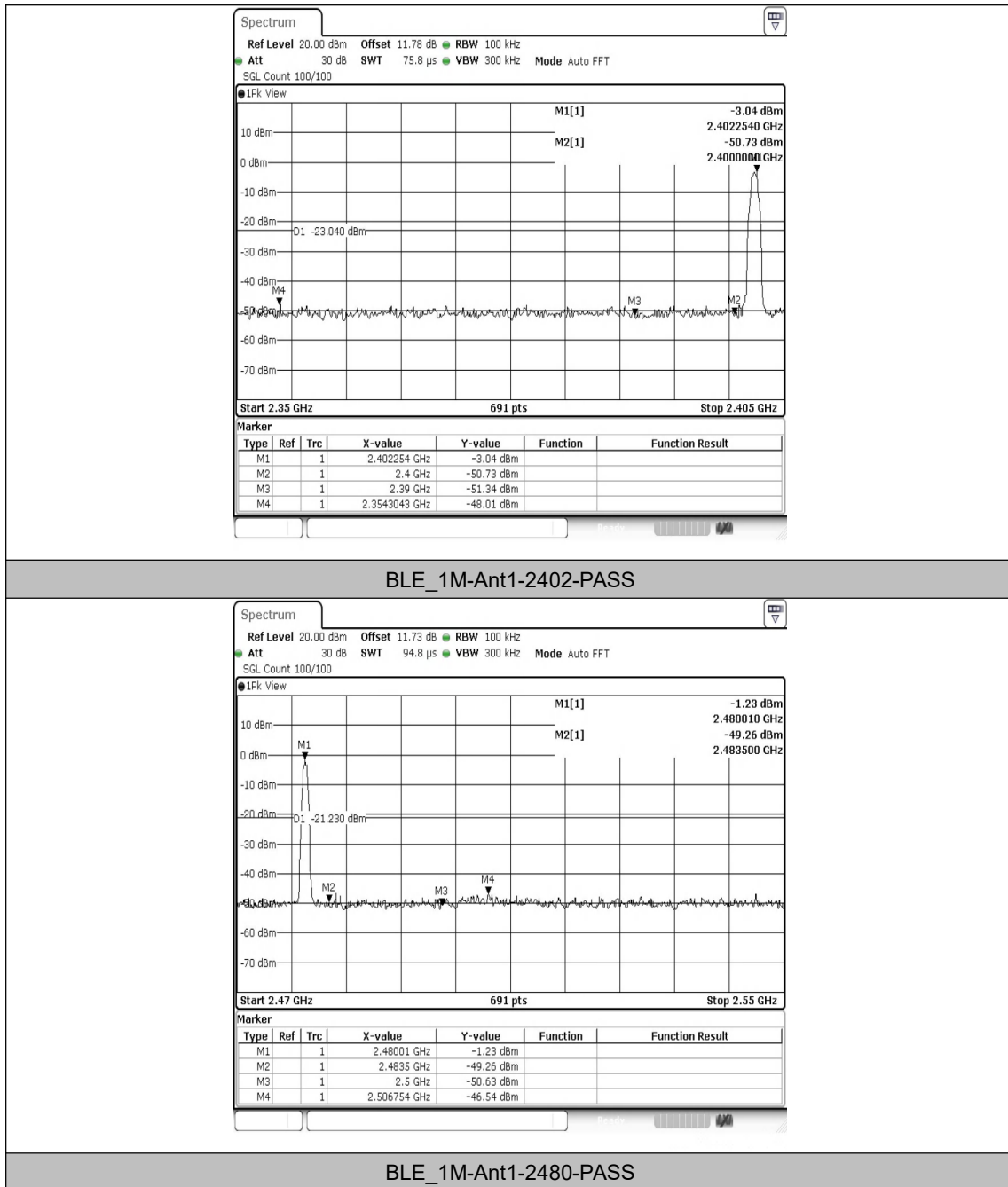
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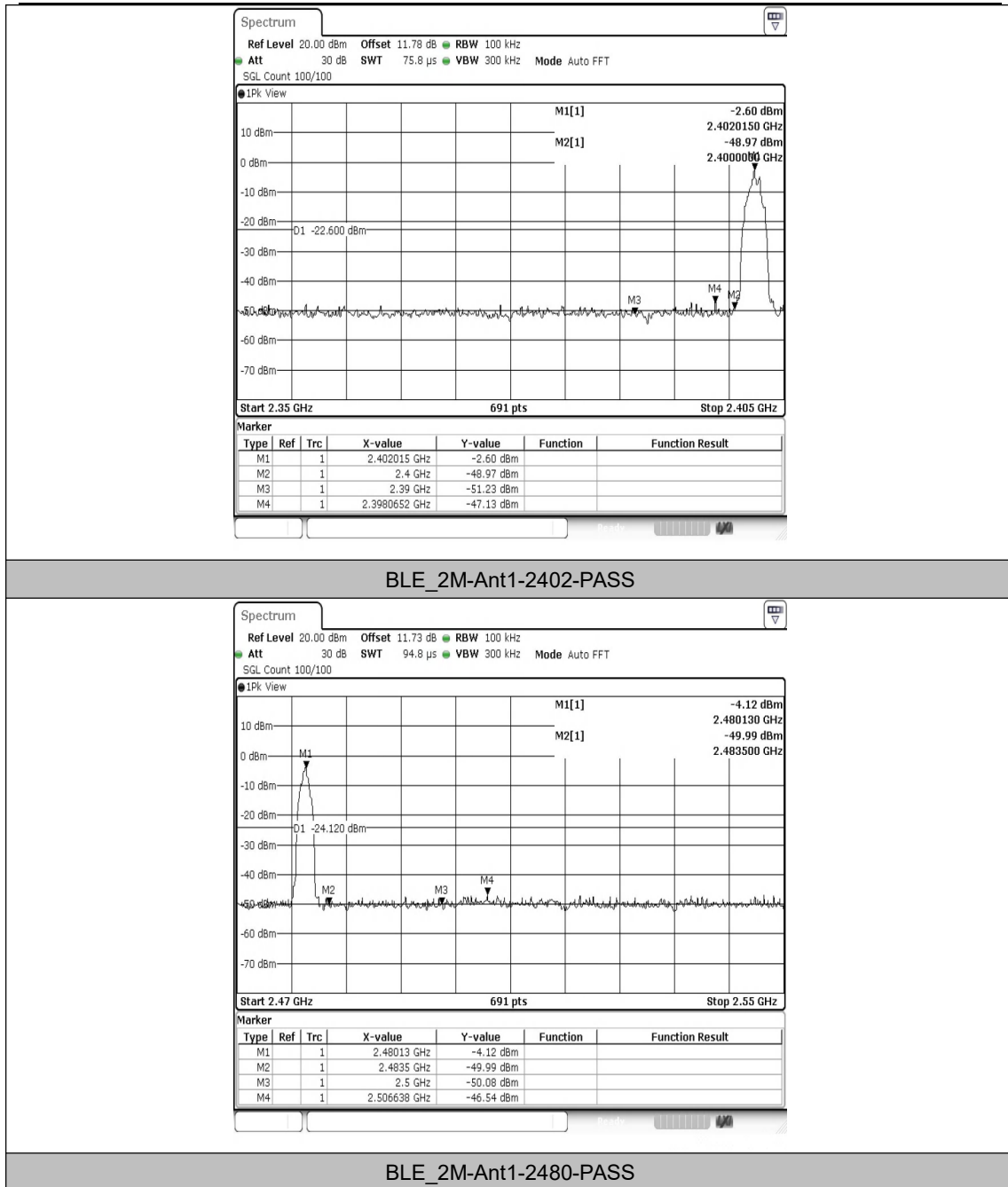
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-3.04	-48.01	≤-23.04	PASS
BLE_1M	Ant1	High	2480	-1.23	-46.54	≤-21.23	PASS
BLE_2M	Ant1	Low	2402	-2.60	-47.13	≤-22.6	PASS
BLE_2M	Ant1	High	2480	-4.12	-46.54	≤-24.12	PASS

Test Graphs



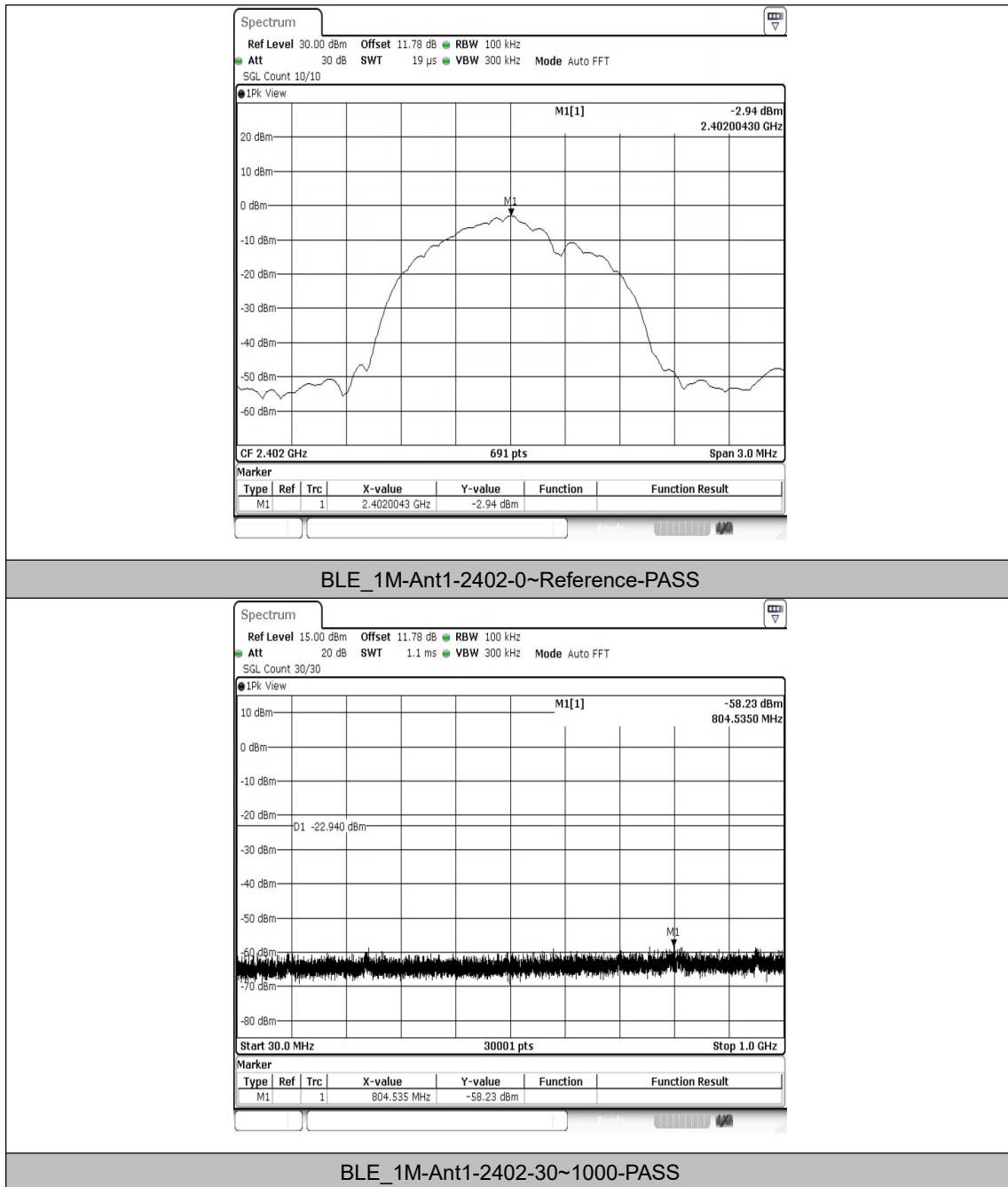


Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-2.94	-2.94	---	PASS
BLE_1M	Ant1	2402	30~1000	-2.94	-58.23	≤-22.94	PASS
BLE_1M	Ant1	2402	1000~26500	-2.94	-43.68	≤-22.94	PASS
BLE_1M	Ant1	2440	0~Reference	-2.90	-2.90	---	PASS
BLE_1M	Ant1	2440	30~1000	-2.90	-57.12	≤-22.9	PASS
BLE_1M	Ant1	2440	1000~26500	-2.90	-43.27	≤-22.9	PASS
BLE_1M	Ant1	2480	0~Reference	-3.95	-3.95	---	PASS
BLE_1M	Ant1	2480	30~1000	-3.95	-58.55	≤-23.95	PASS
BLE_1M	Ant1	2480	1000~26500	-3.95	-43.68	≤-23.95	PASS
BLE_2M	Ant1	2402	0~Reference	-6.45	-6.45	---	PASS
BLE_2M	Ant1	2402	30~1000	-6.45	-57.81	≤-26.45	PASS
BLE_2M	Ant1	2402	1000~26500	-6.45	-44.11	≤-26.45	PASS
BLE_2M	Ant1	2440	0~Reference	-4.23	-4.23	---	PASS
BLE_2M	Ant1	2440	30~1000	-4.23	-57.58	≤-24.23	PASS
BLE_2M	Ant1	2440	1000~26500	-4.23	-43.47	≤-24.23	PASS
BLE_2M	Ant1	2480	0~Reference	-4.59	-4.59	---	PASS
BLE_2M	Ant1	2480	30~1000	-4.59	-58.55	≤-24.59	PASS
BLE_2M	Ant1	2480	1000~26500	-4.59	-43.97	≤-24.59	PASS

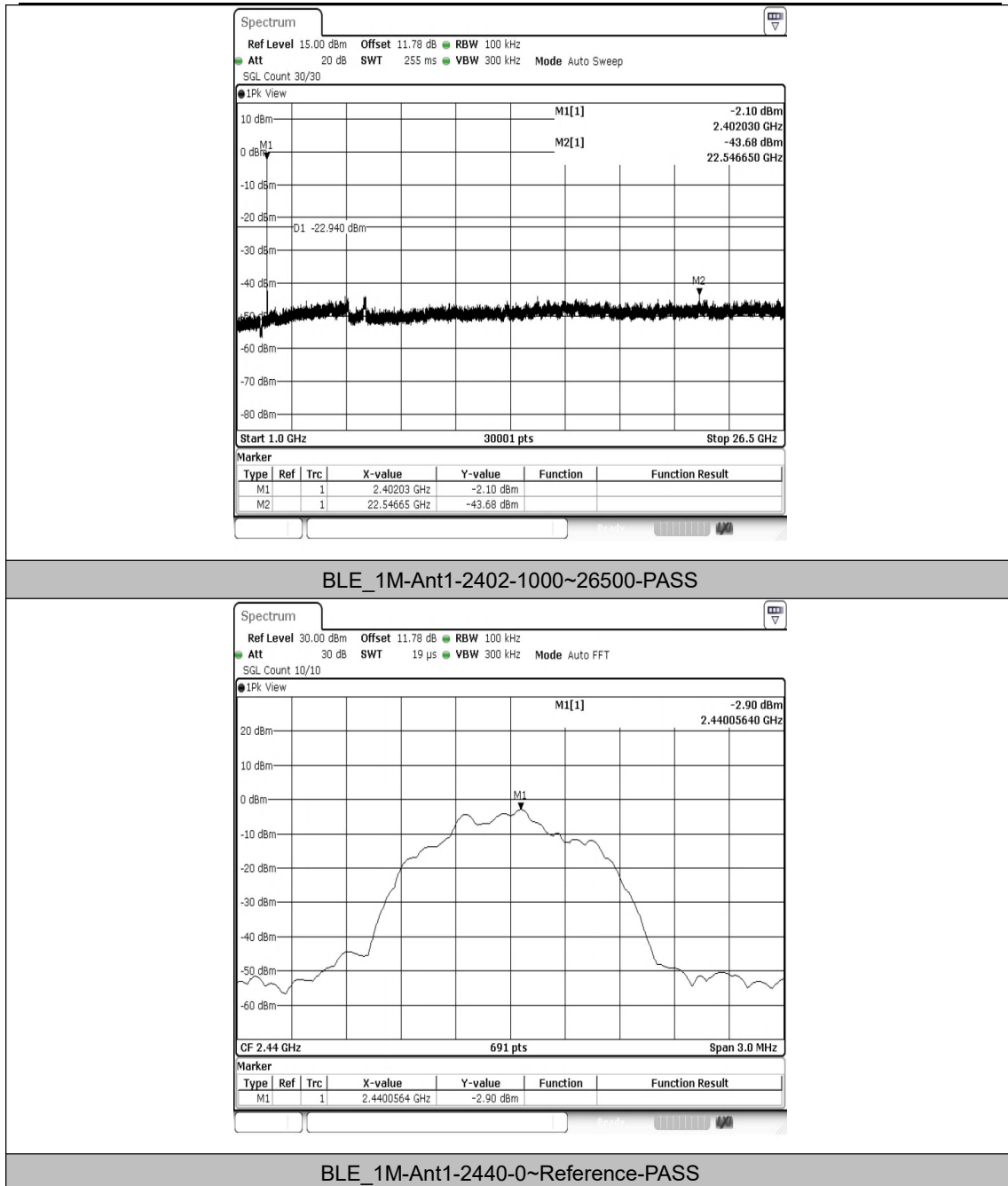
Test Graphs

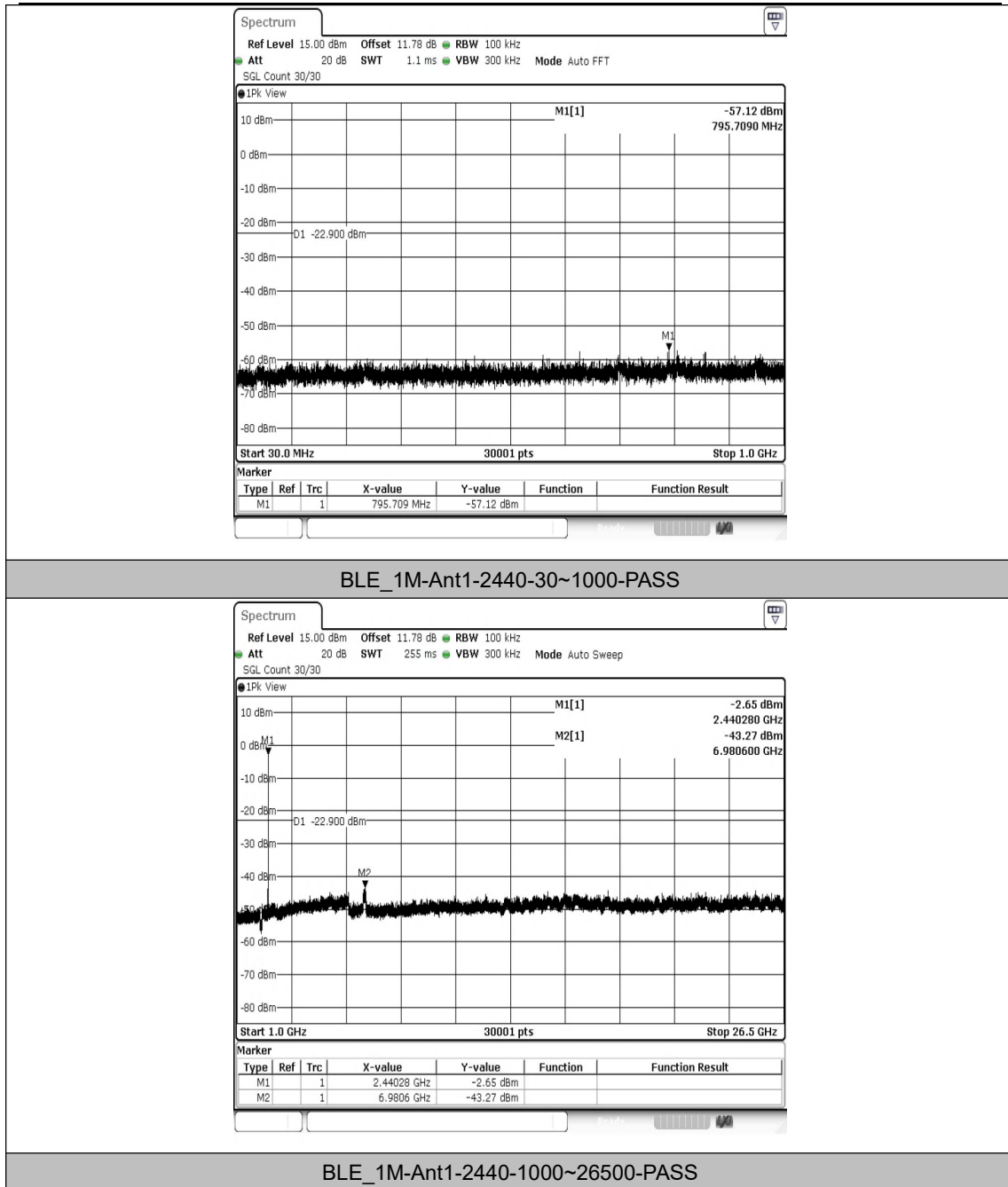


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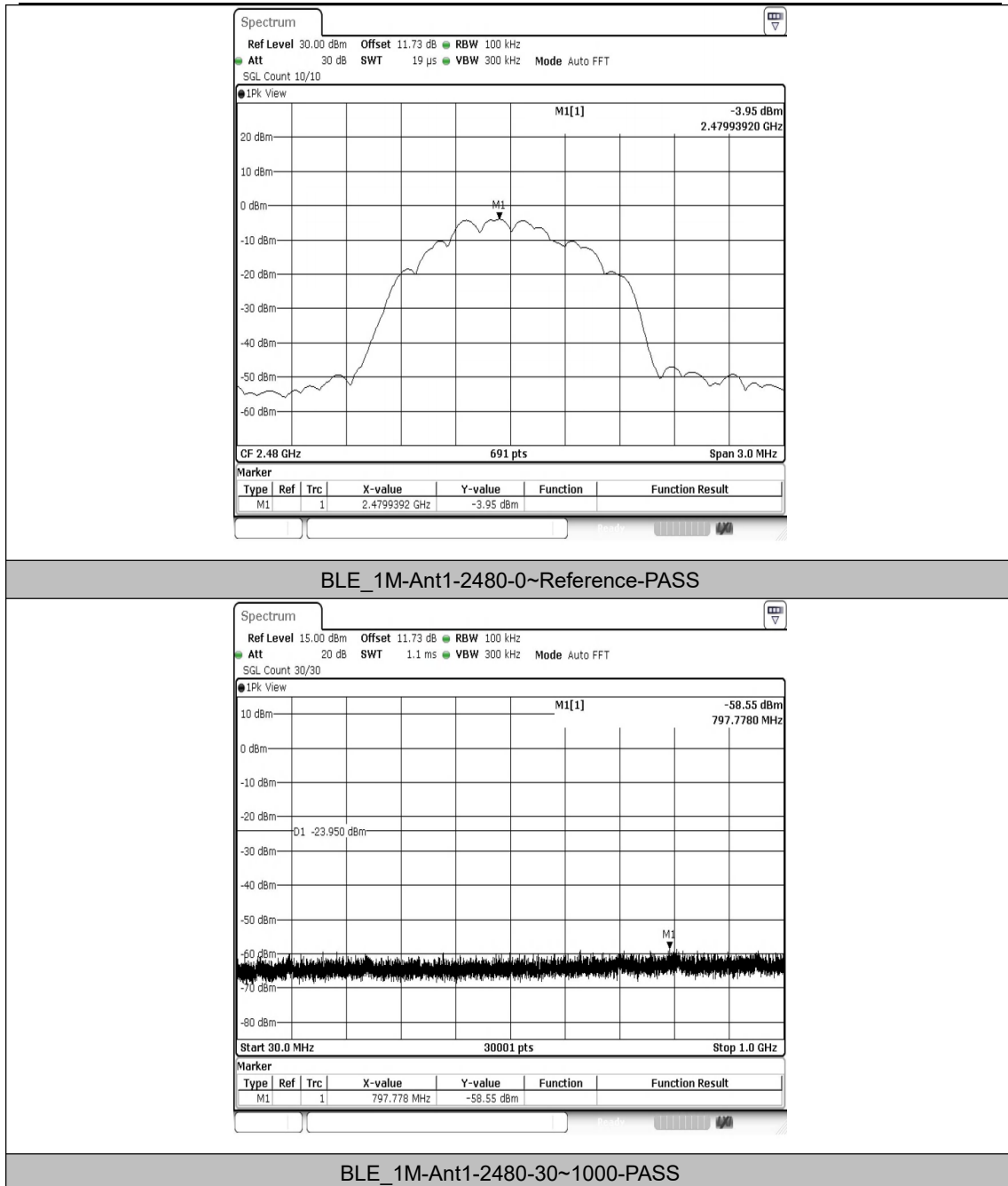




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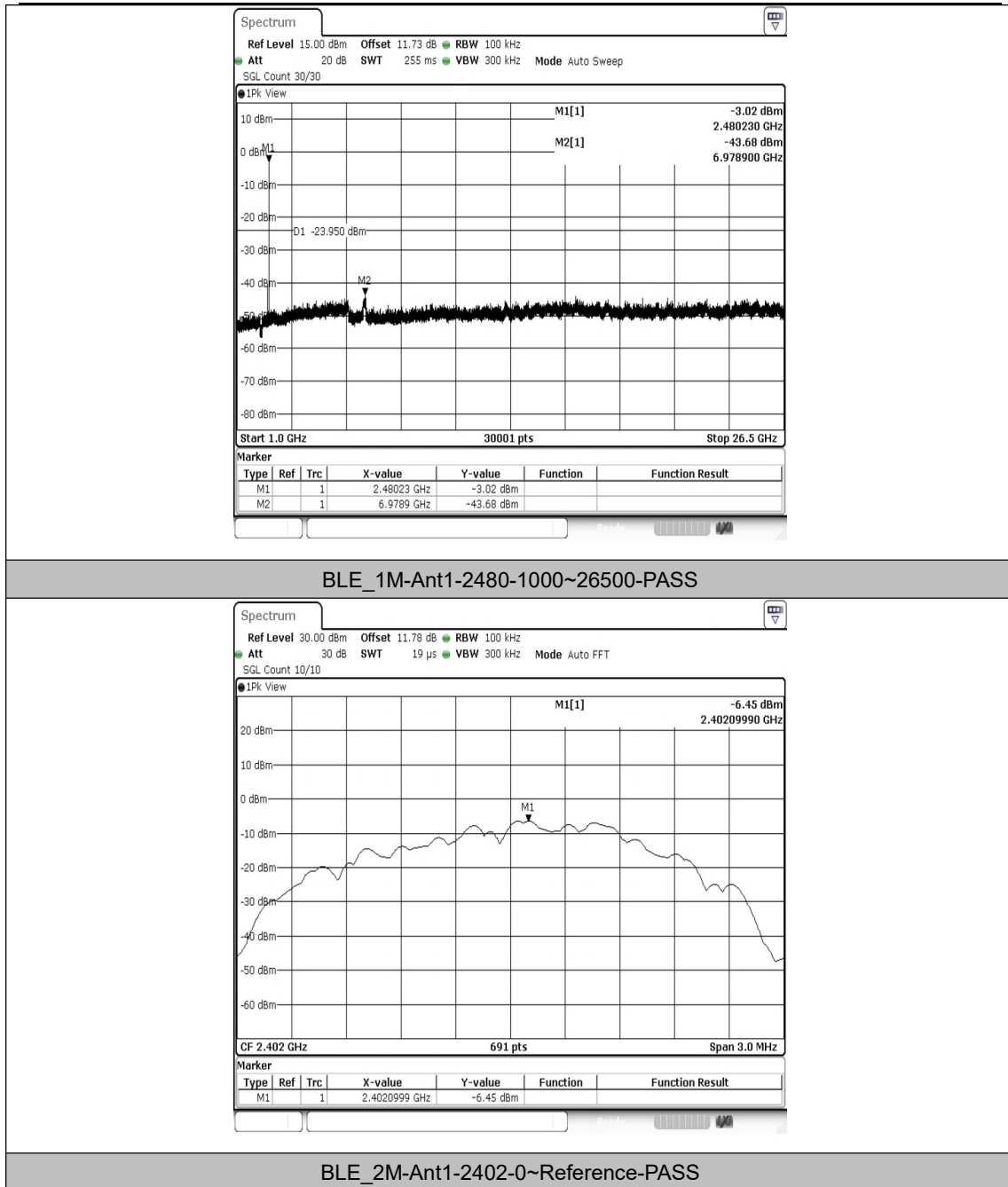
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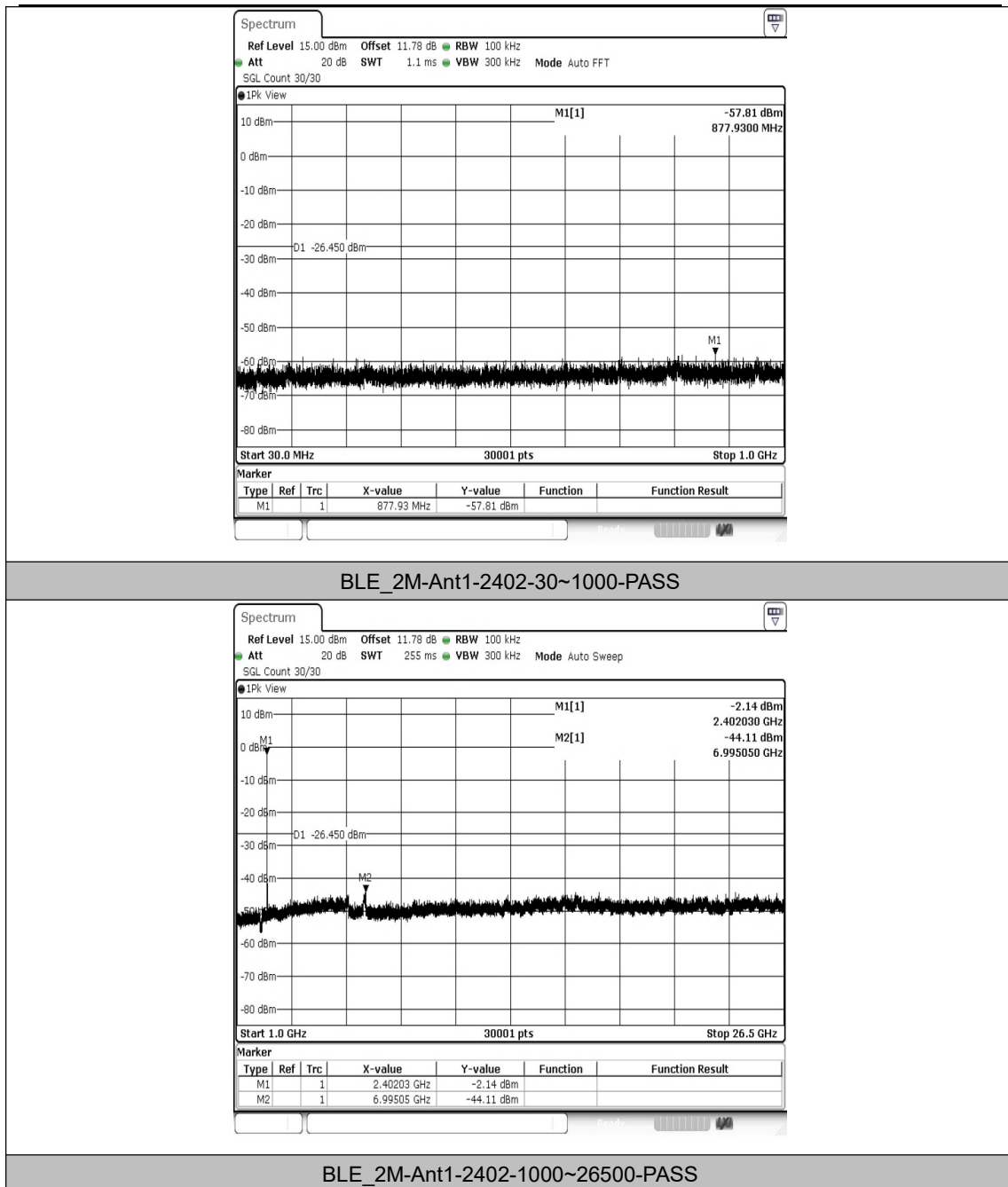
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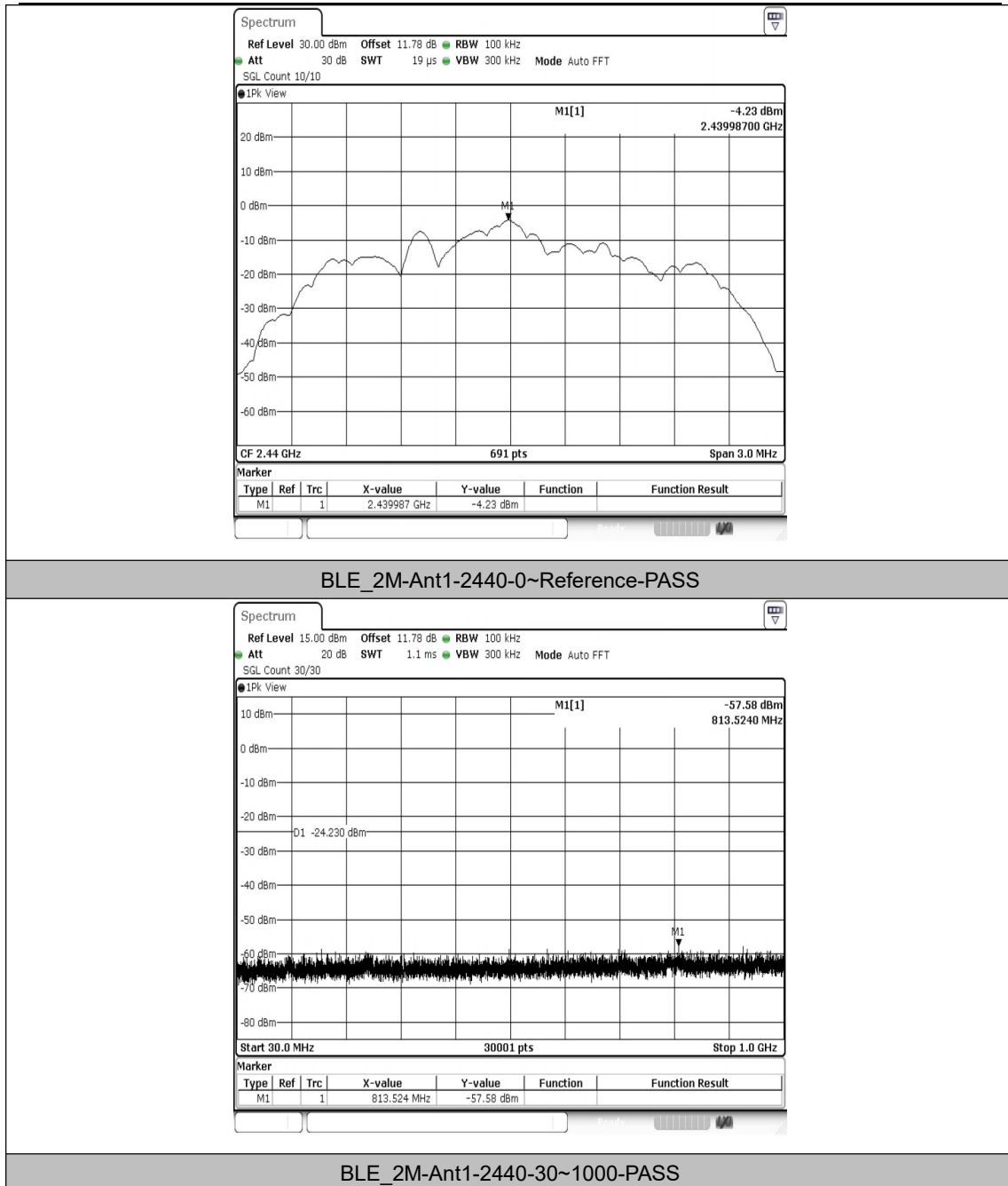


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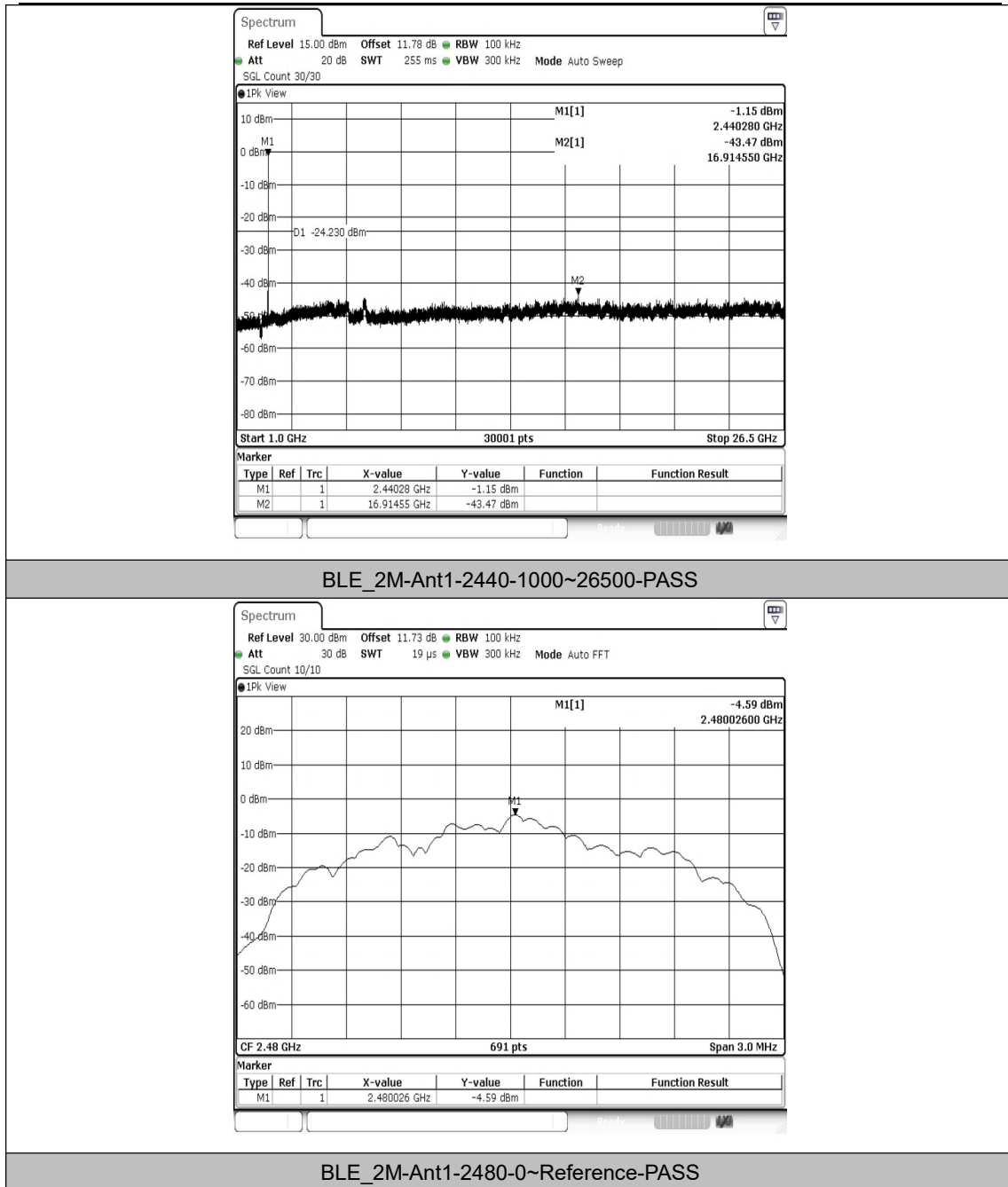




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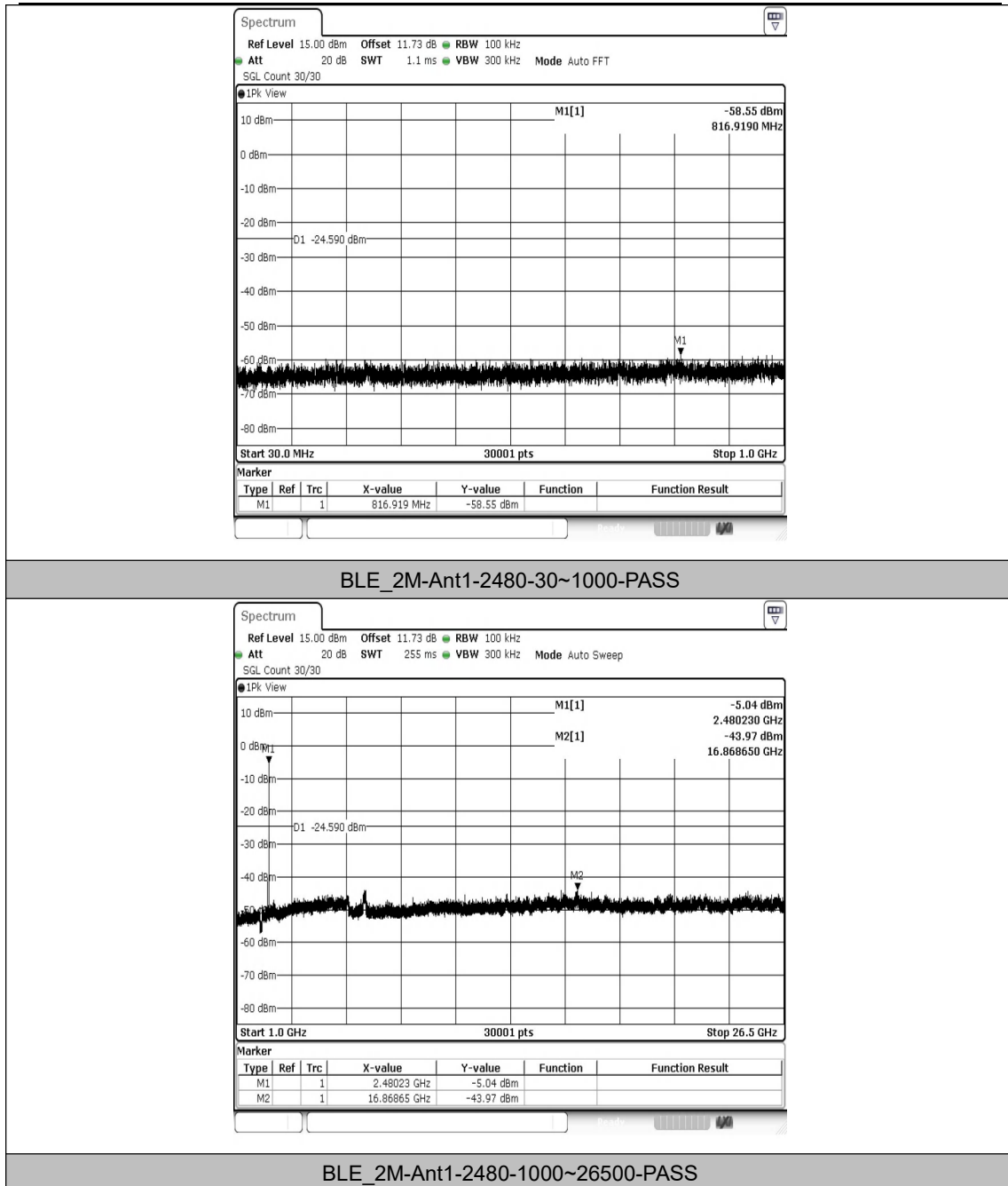
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.10	2.50	84.00	0.76
BLE_1M	Ant1	2440	2.10	2.51	83.67	0.77
BLE_1M	Ant1	2480	2.10	2.50	84.00	0.76
BLE_2M	Ant1	2402	1.07	1.88	56.91	2.45
BLE_2M	Ant1	2440	1.07	1.88	56.91	2.45
BLE_2M	Ant1	2480	1.06	1.88	56.38	2.49

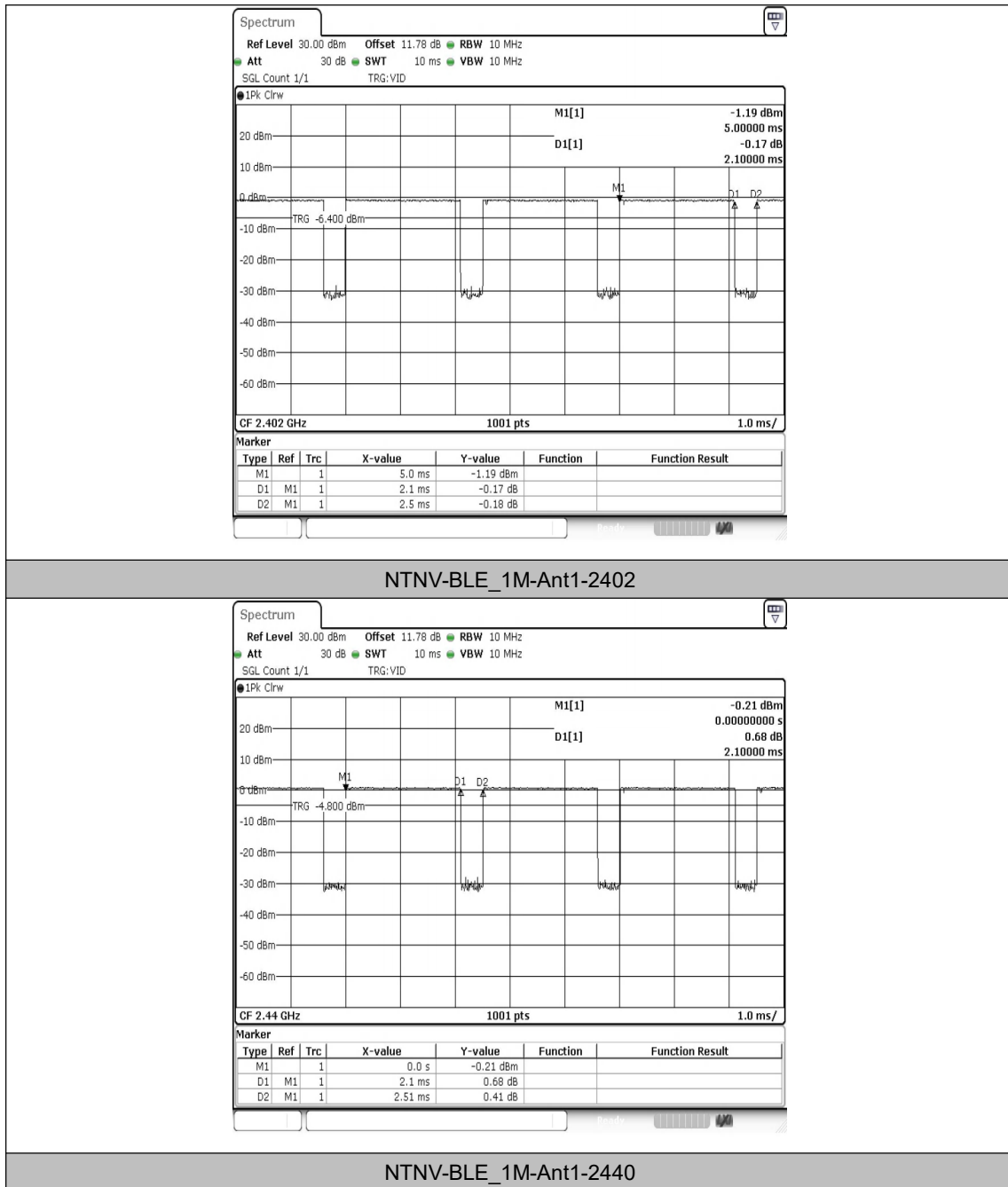
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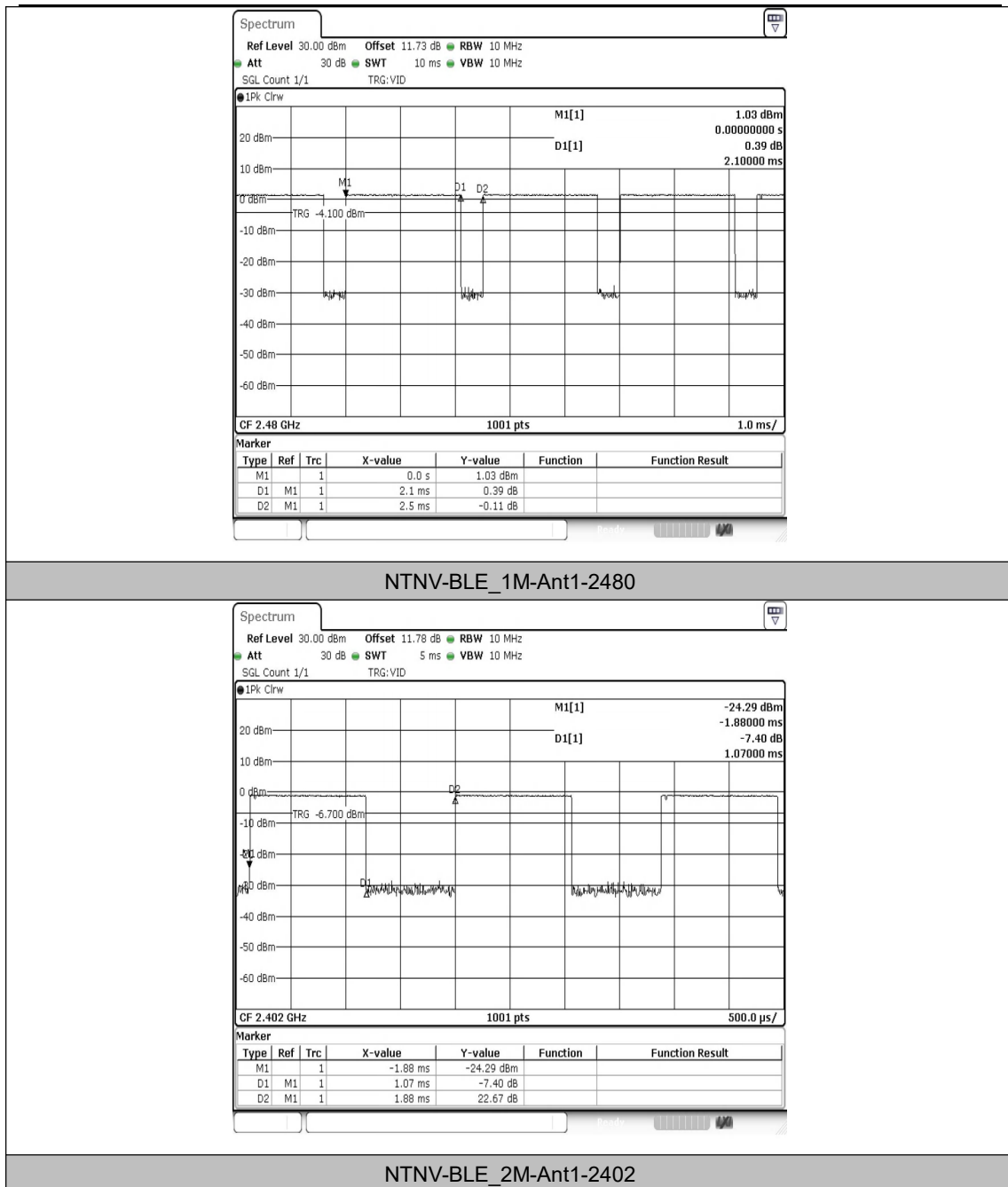
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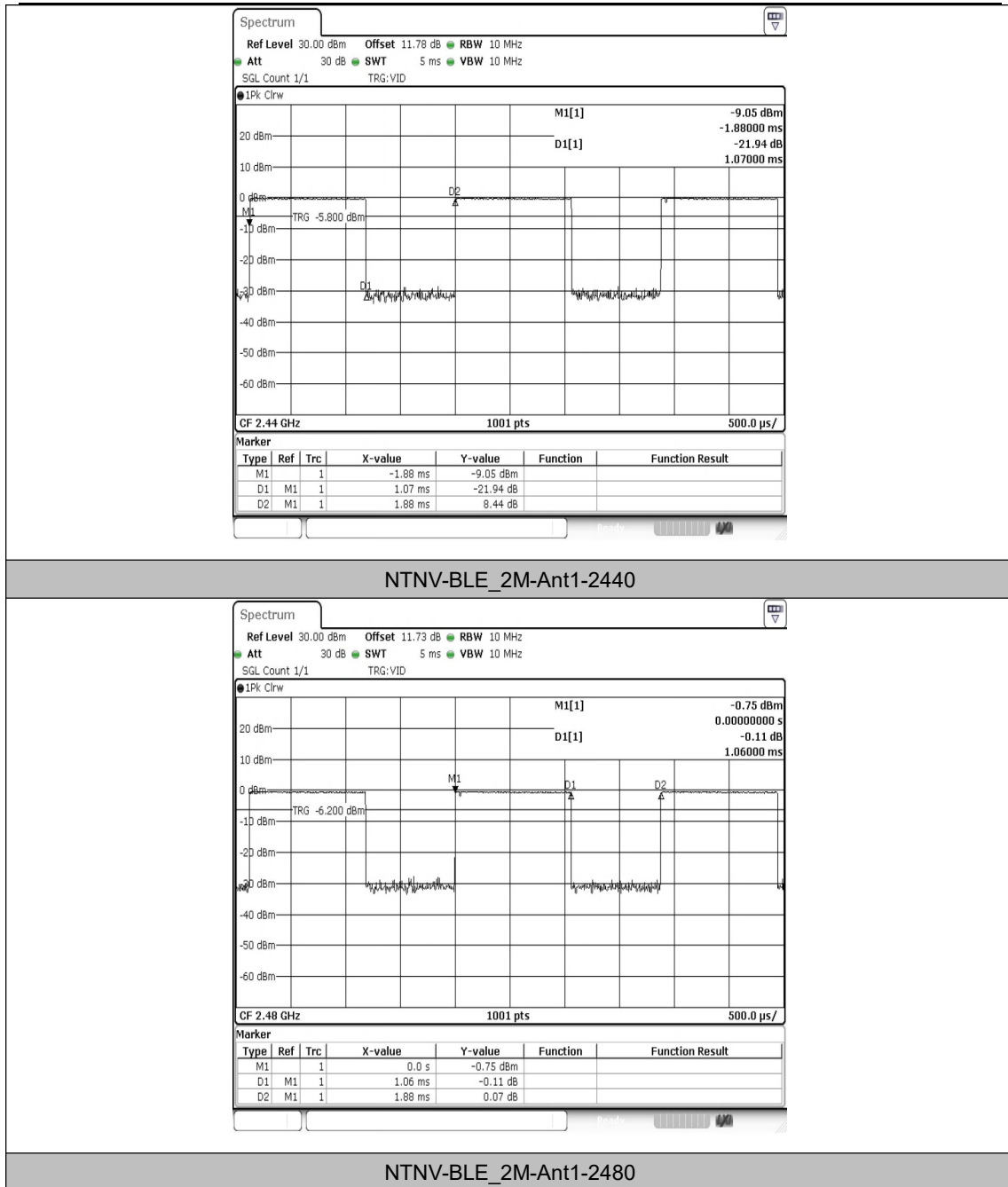


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Test Graphs







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