

Appendix Test Data

Report No. : 1812C50426712501-02

Applicant : Screeneo Innovation SA

Address : 8A route de Suisse 1163 Etoy Switzerland

Product Name : Digital Projector

Report Date : 2025-09-30

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Appendix Test Data

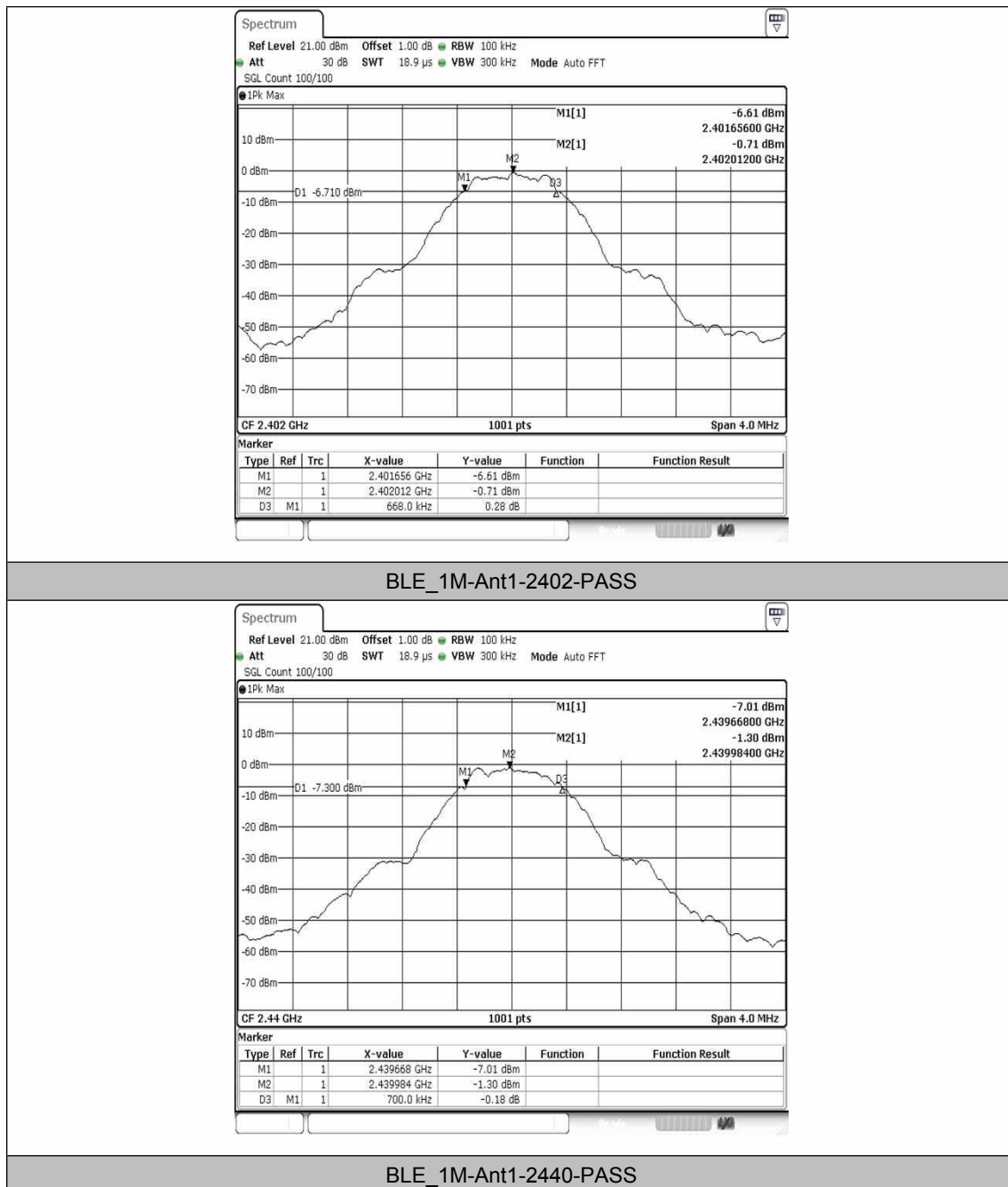
Report No.:	1812C50426712502-02	Test Sample No.:	1-2-2
Start Test Date:	2025-8-25	Finish Test Date:	2025-9-5
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.1C°	Relative Humidity:	48%
Pressure:	101kPa		

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	0.67	2401.66	2402.32	0.5	PASS
BLE_1M	Ant1	2440	0.70	2439.67	2440.37	0.5	PASS
BLE_1M	Ant1	2480	0.67	2479.66	2480.33	0.5	PASS
BLE_2M	Ant1	2402	1.15	2401.46	2402.61	0.5	PASS
BLE_2M	Ant1	2440	1.14	2439.44	2440.58	0.5	PASS
BLE_2M	Ant1	2480	1.13	2479.44	2480.58	0.5	PASS

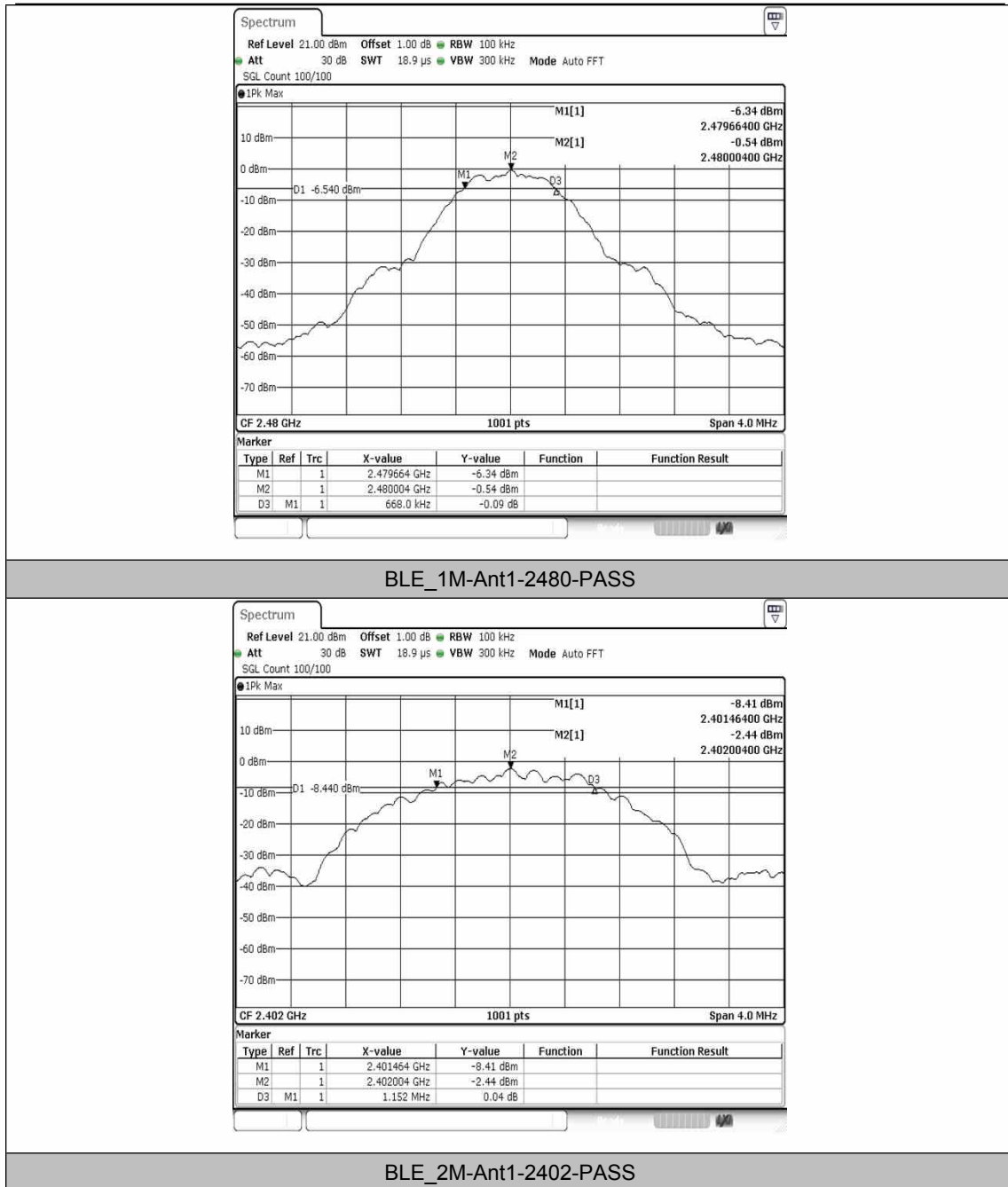
Test Graphs



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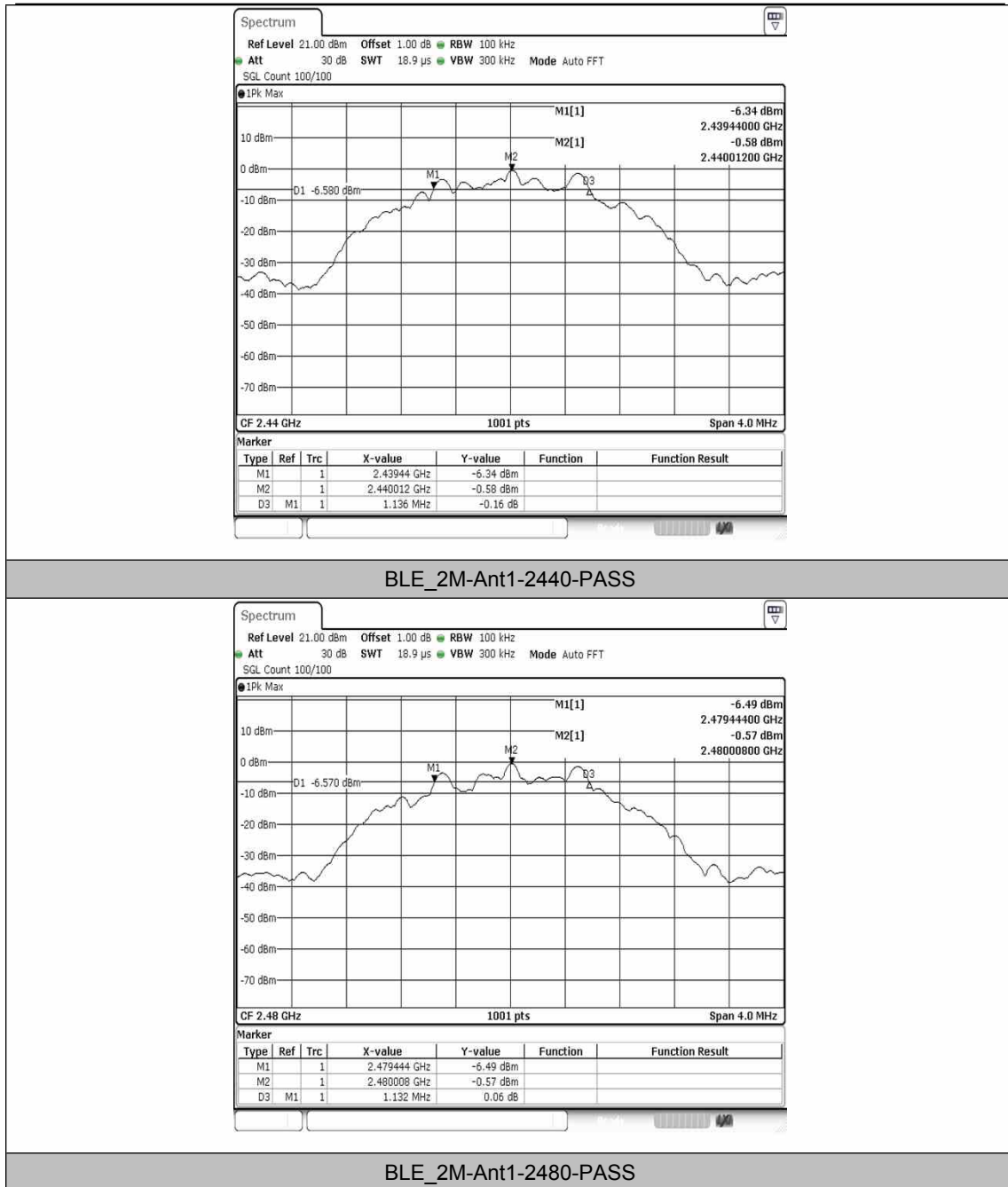
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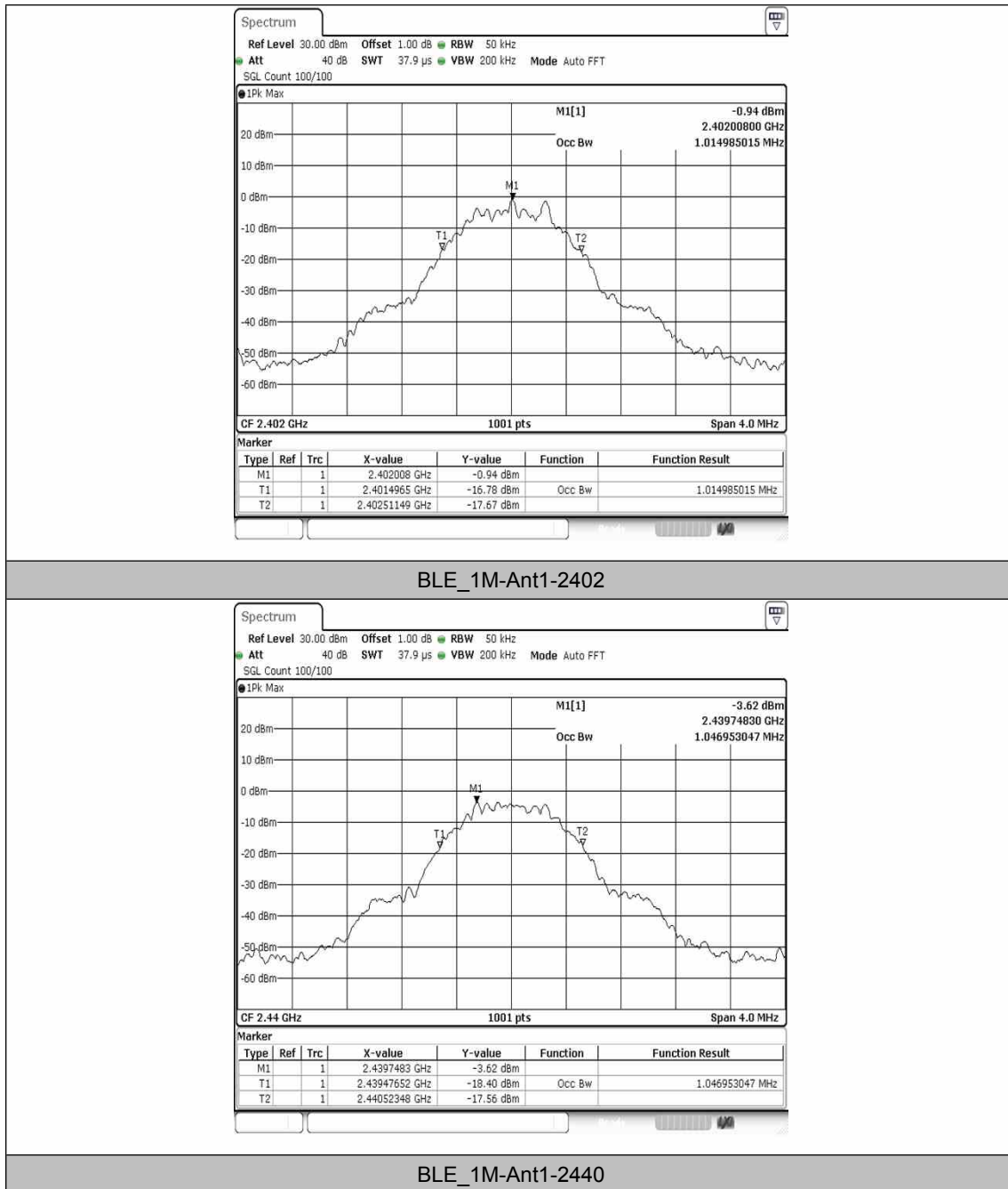
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0150	2401.4965	2402.5115	---	---
BLE_1M	Ant1	2440	1.0470	2439.4765	2440.5235	---	---
BLE_1M	Ant1	2480	1.0350	2479.4765	2480.5115	---	---
BLE_2M	Ant1	2402	2.0500	2400.9970	2403.0470	---	---
BLE_2M	Ant1	2440	2.0739	2438.9770	2441.0509	---	---
BLE_2M	Ant1	2480	2.0340	2478.9930	2481.0270	---	---

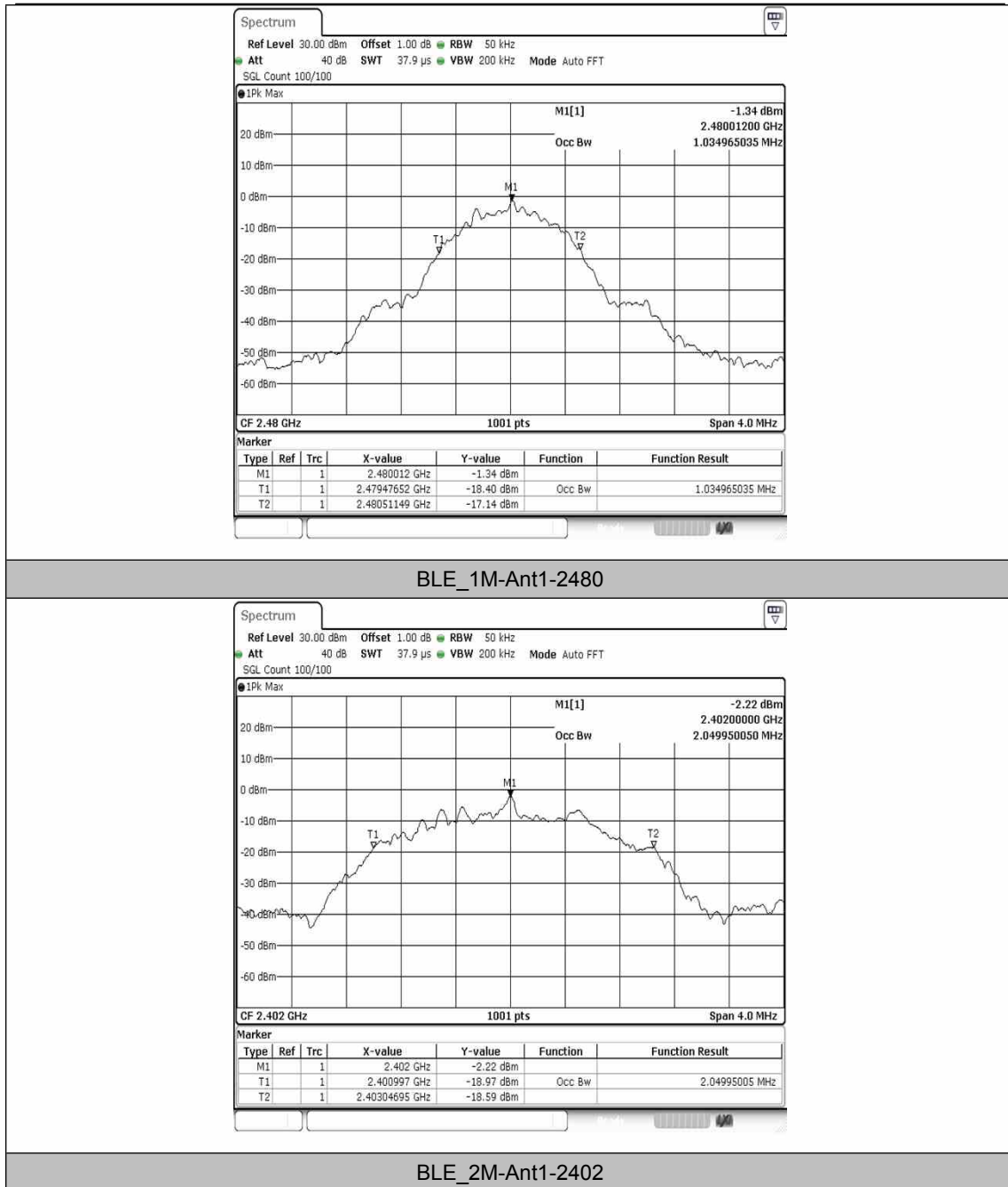
Test Graphs

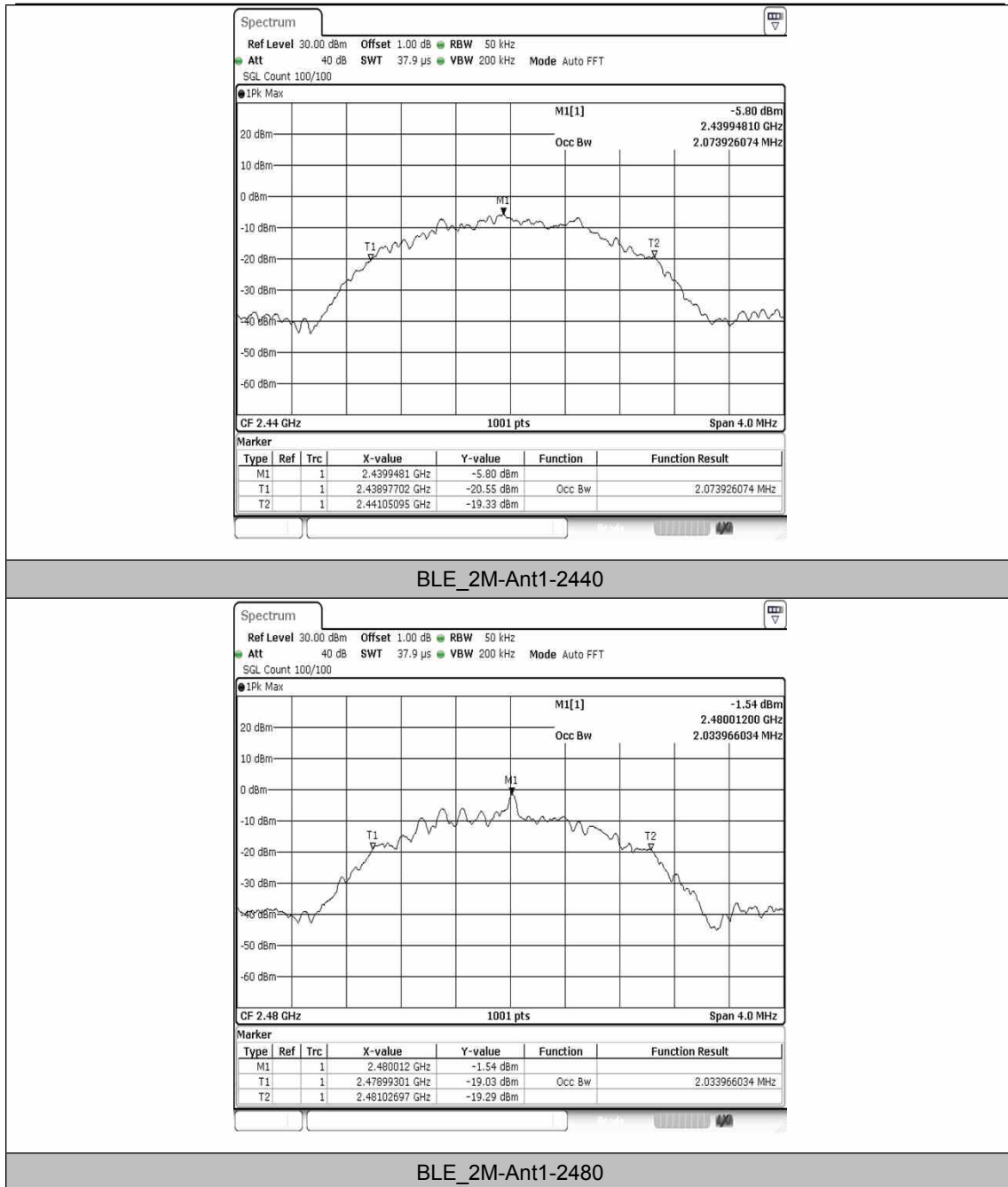


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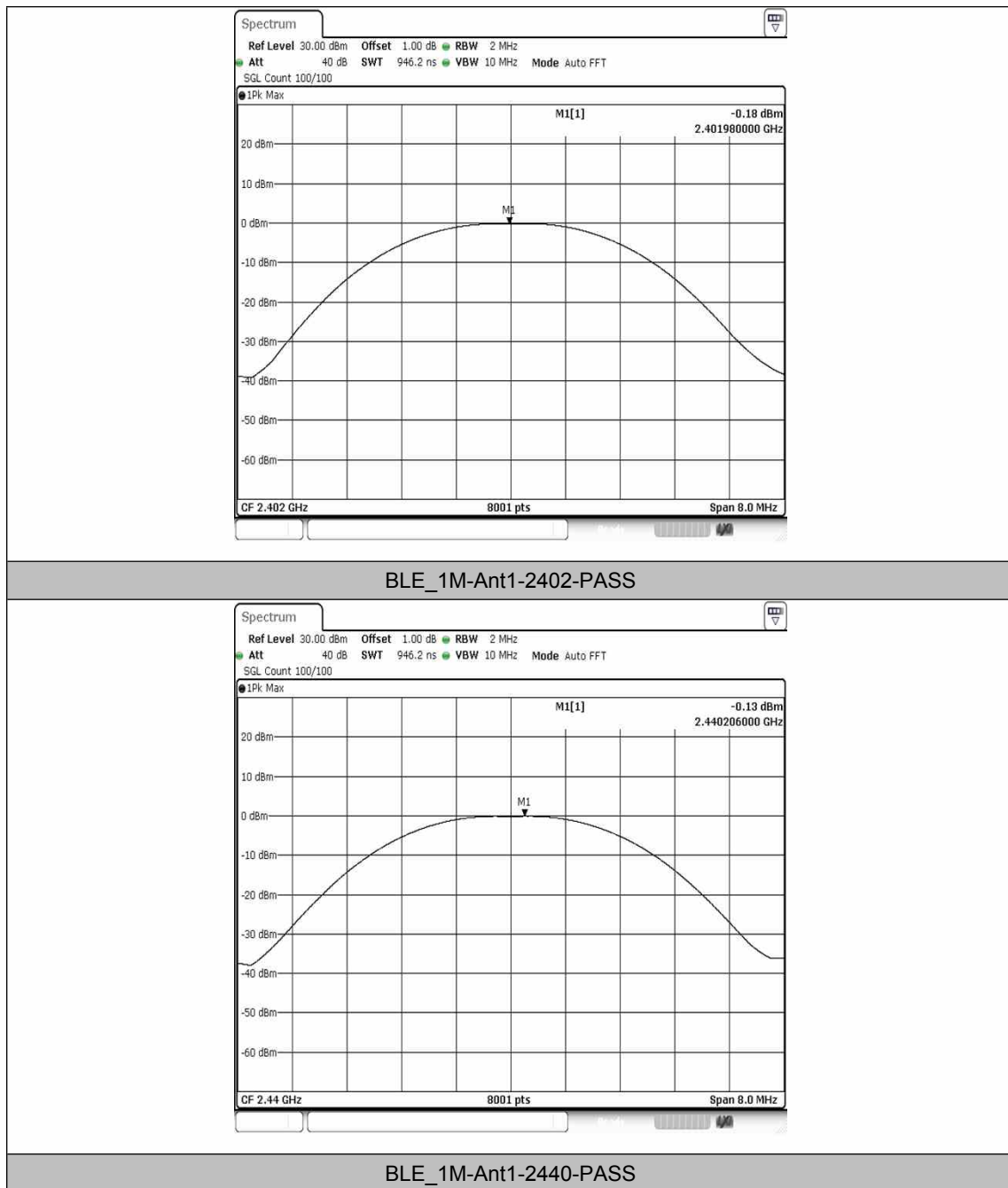
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.18	≤30	PASS
BLE_1M	Ant1	2440	-0.13	≤30	PASS
BLE_1M	Ant1	2480	-0.26	≤30	PASS
BLE_2M	Ant1	2402	-0.11	≤30	PASS
BLE_2M	Ant1	2440	-0.02	≤30	PASS
BLE_2M	Ant1	2480	-0.19	≤30	PASS

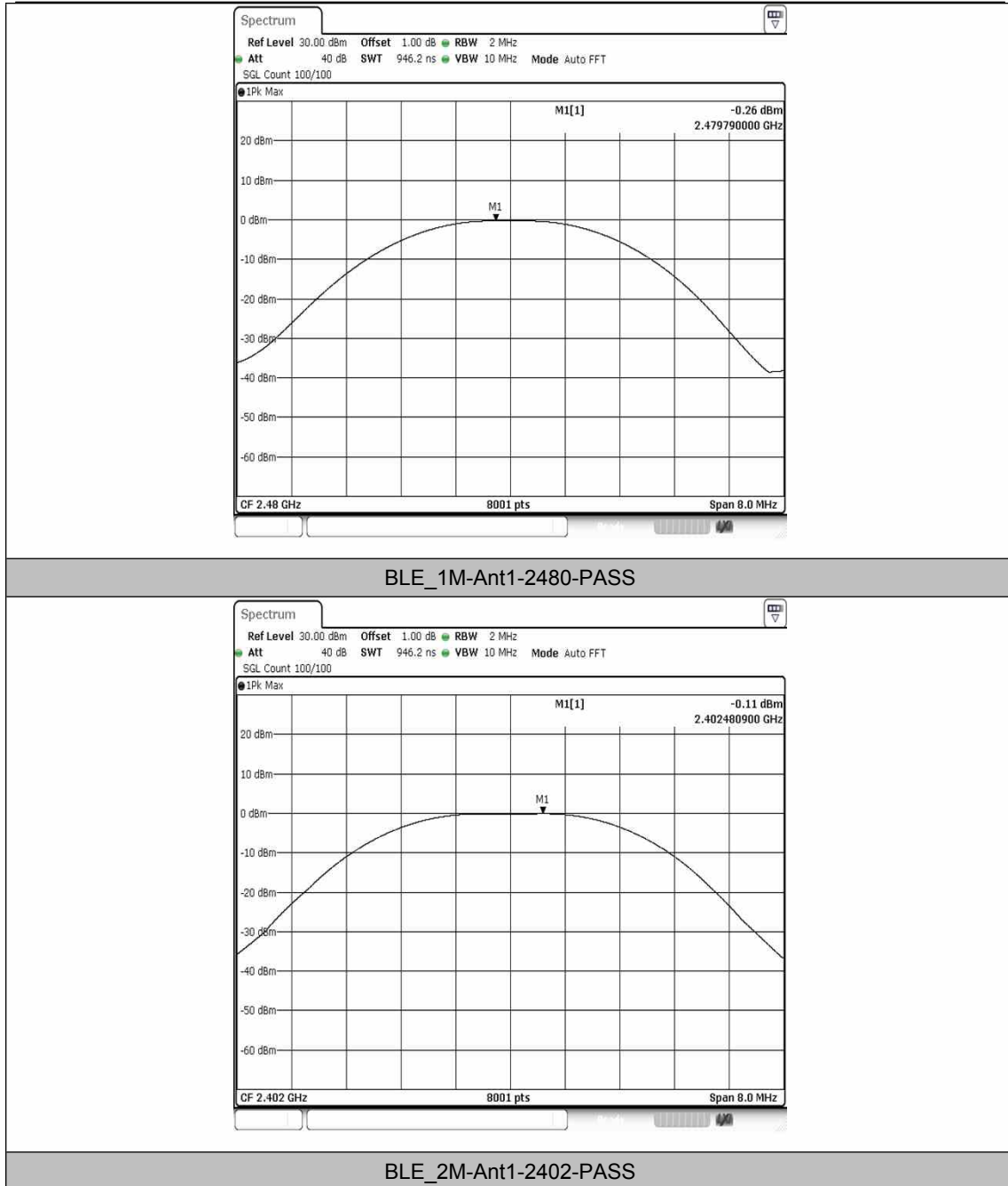
Test Graphs Peak



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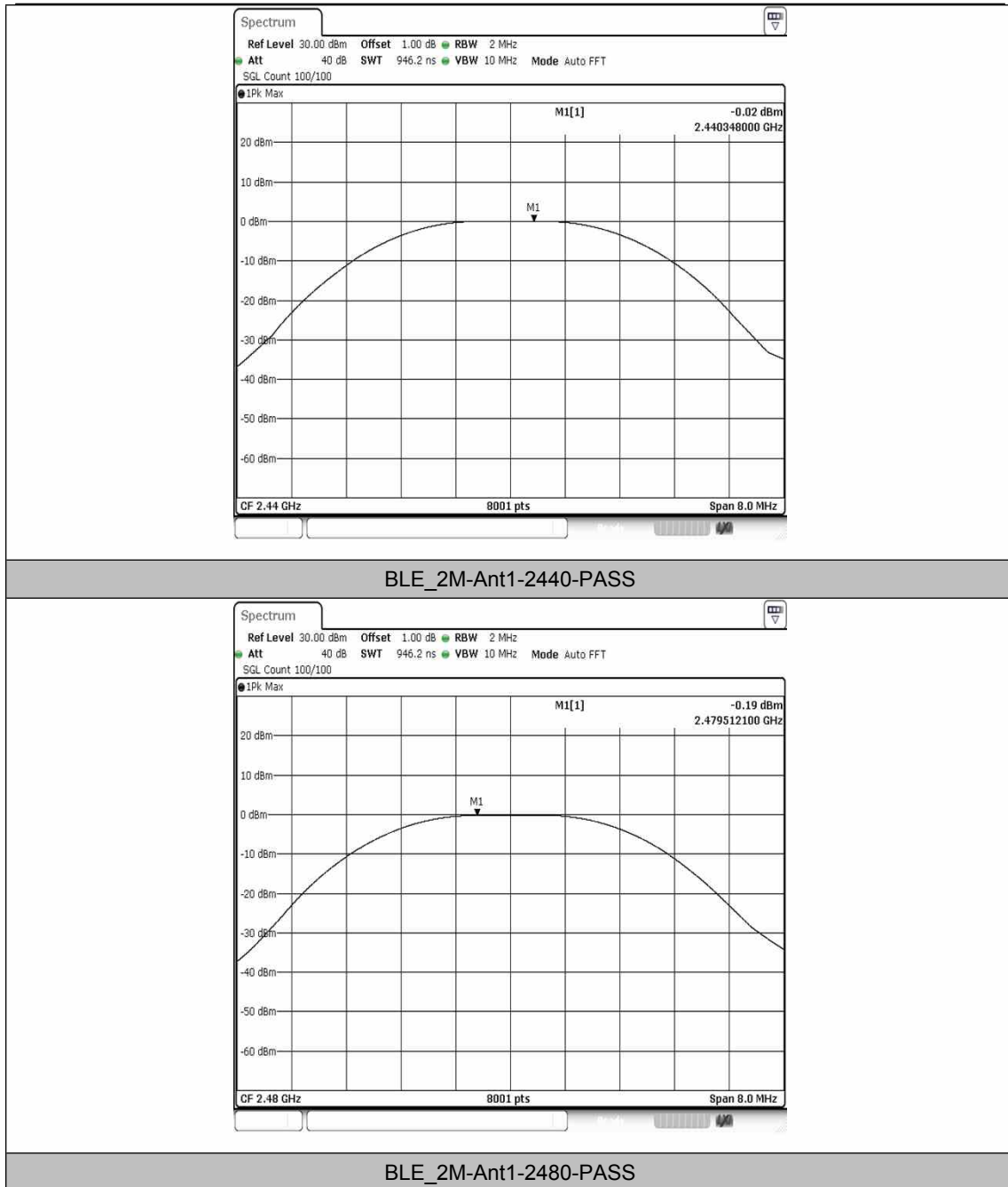
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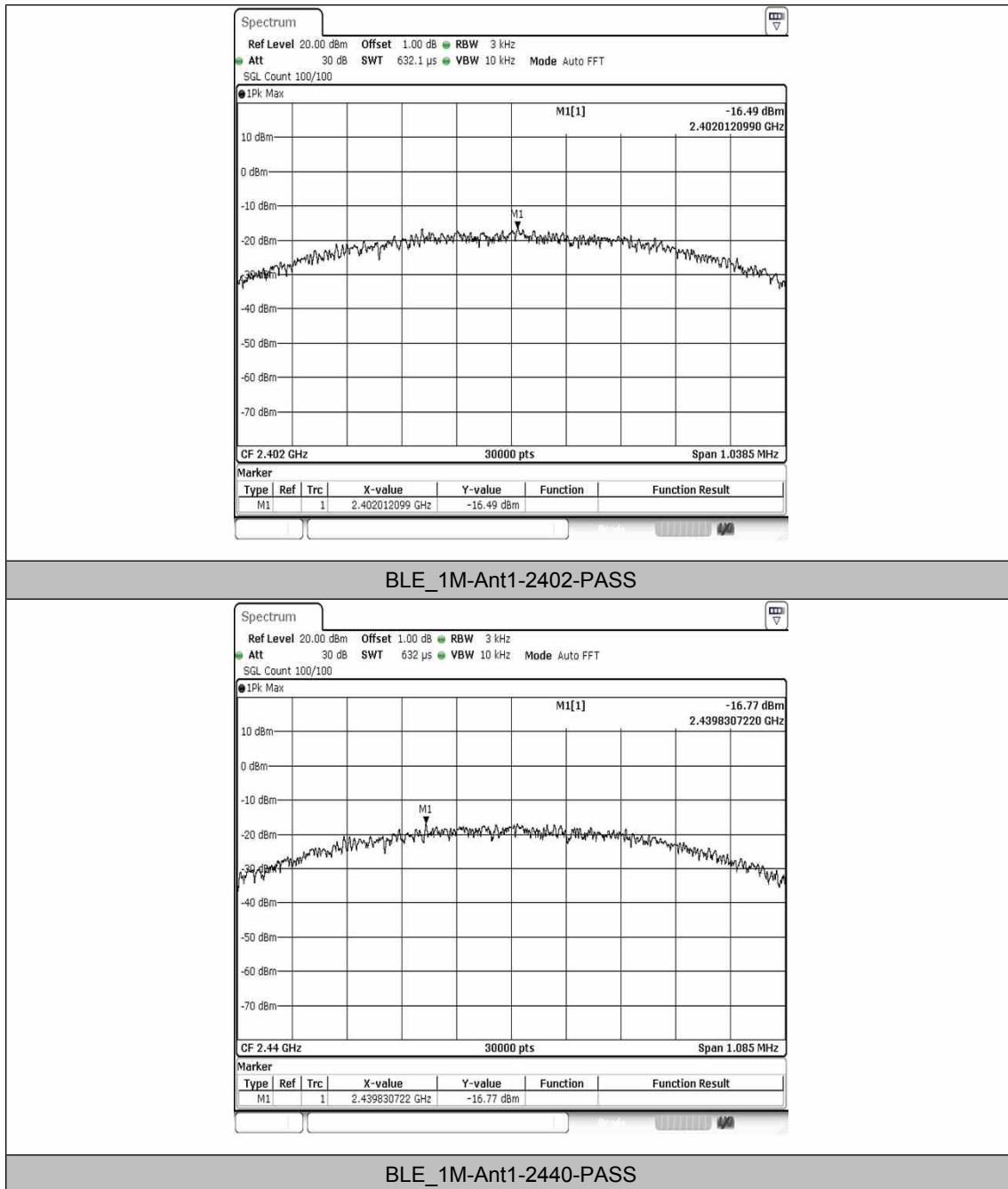
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.49	≤8.00	PASS
BLE_1M	Ant1	2440	-16.77	≤8.00	PASS
BLE_1M	Ant1	2480	-16.98	≤8.00	PASS
BLE_2M	Ant1	2402	-18.39	≤8.00	PASS
BLE_2M	Ant1	2440	-18.28	≤8.00	PASS
BLE_2M	Ant1	2480	-18.20	≤8.00	PASS

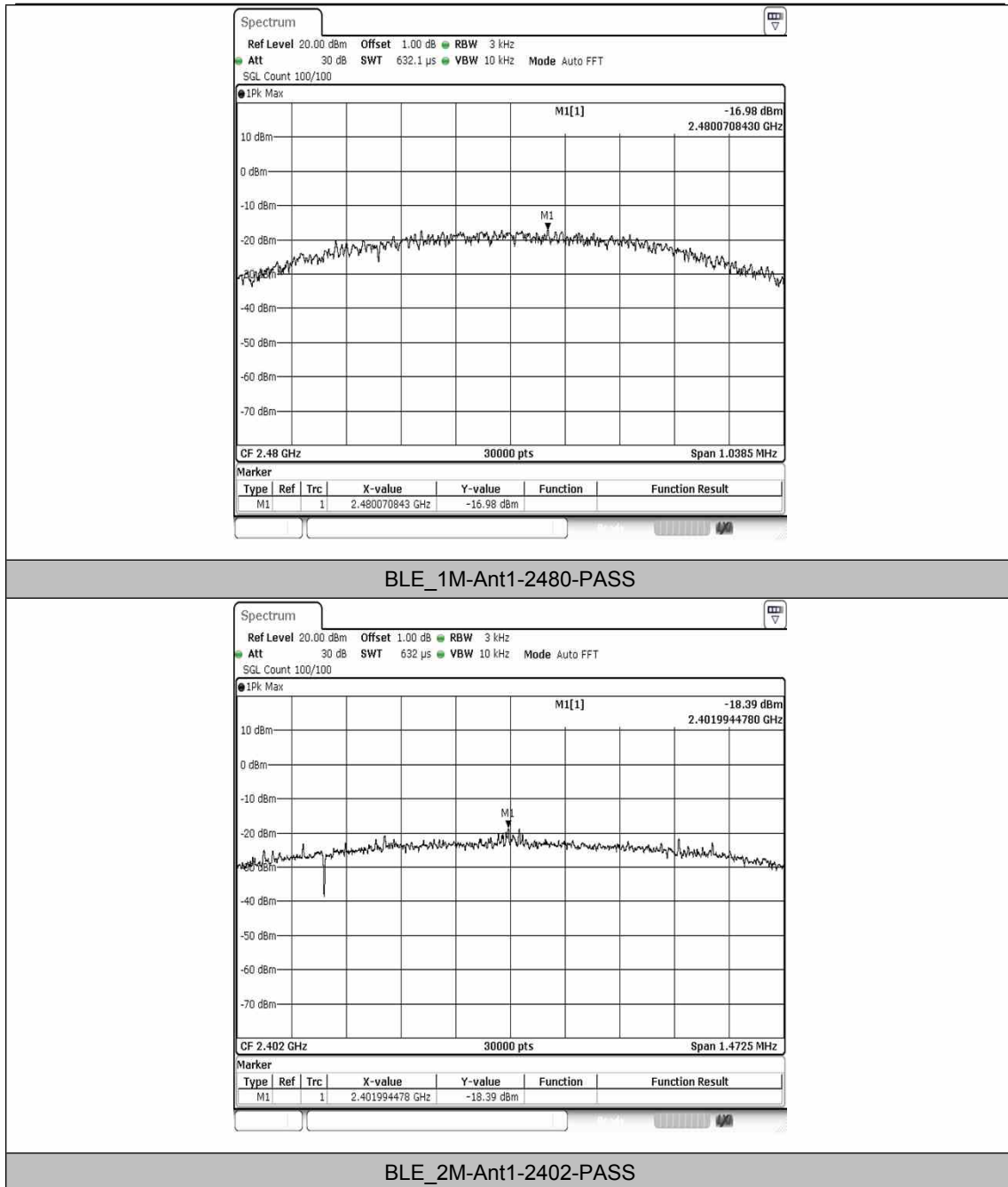
Test Graphs



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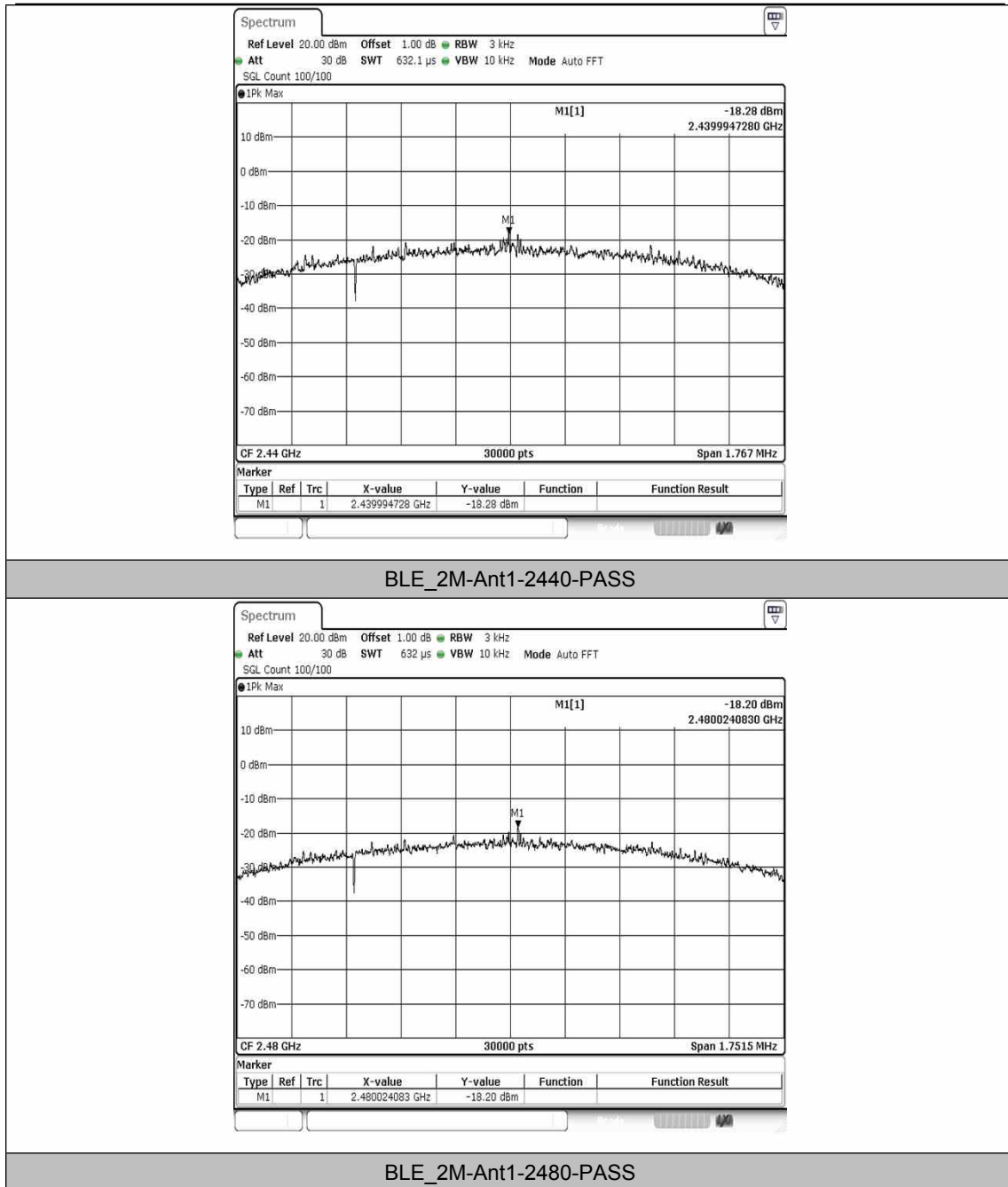
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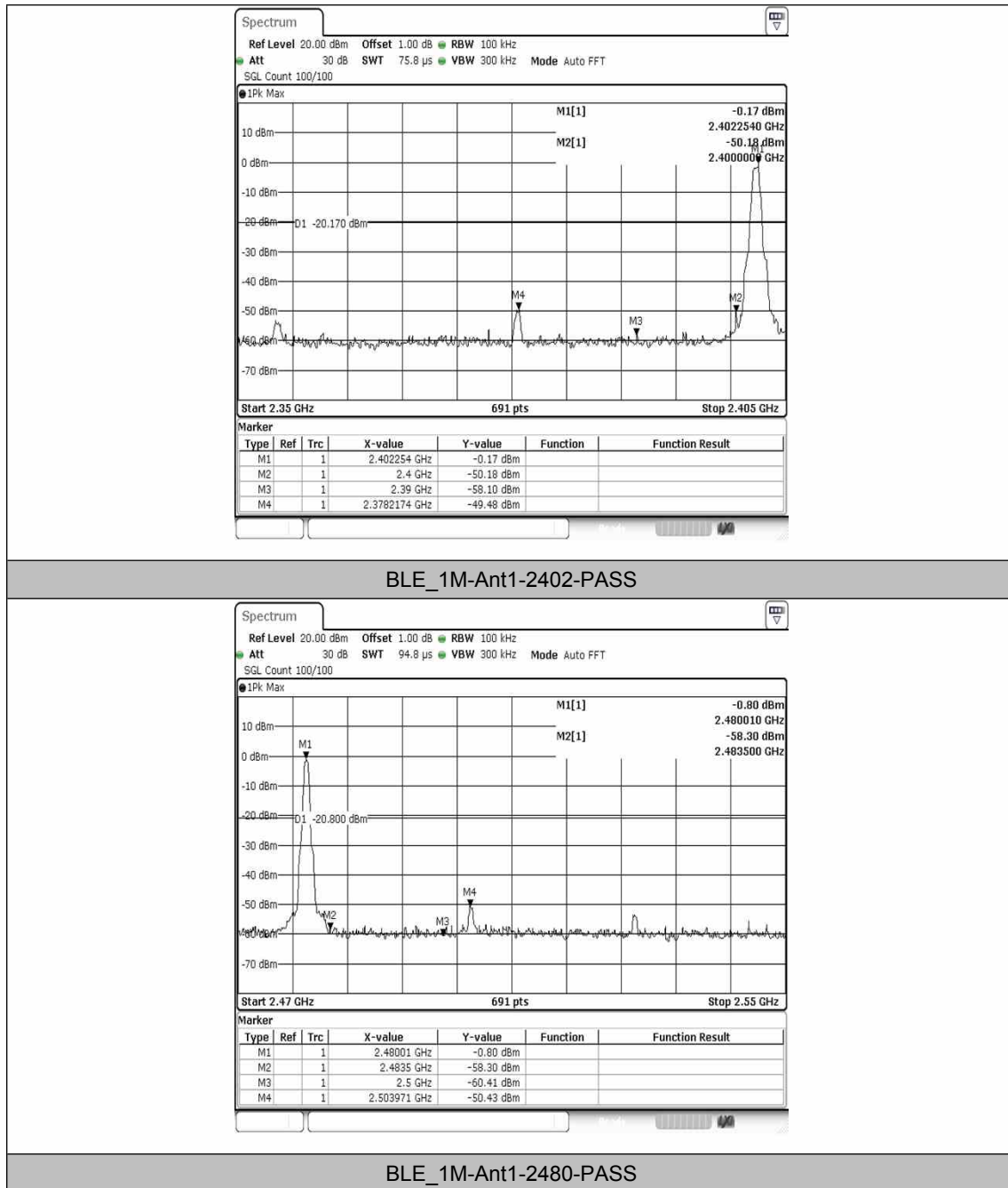
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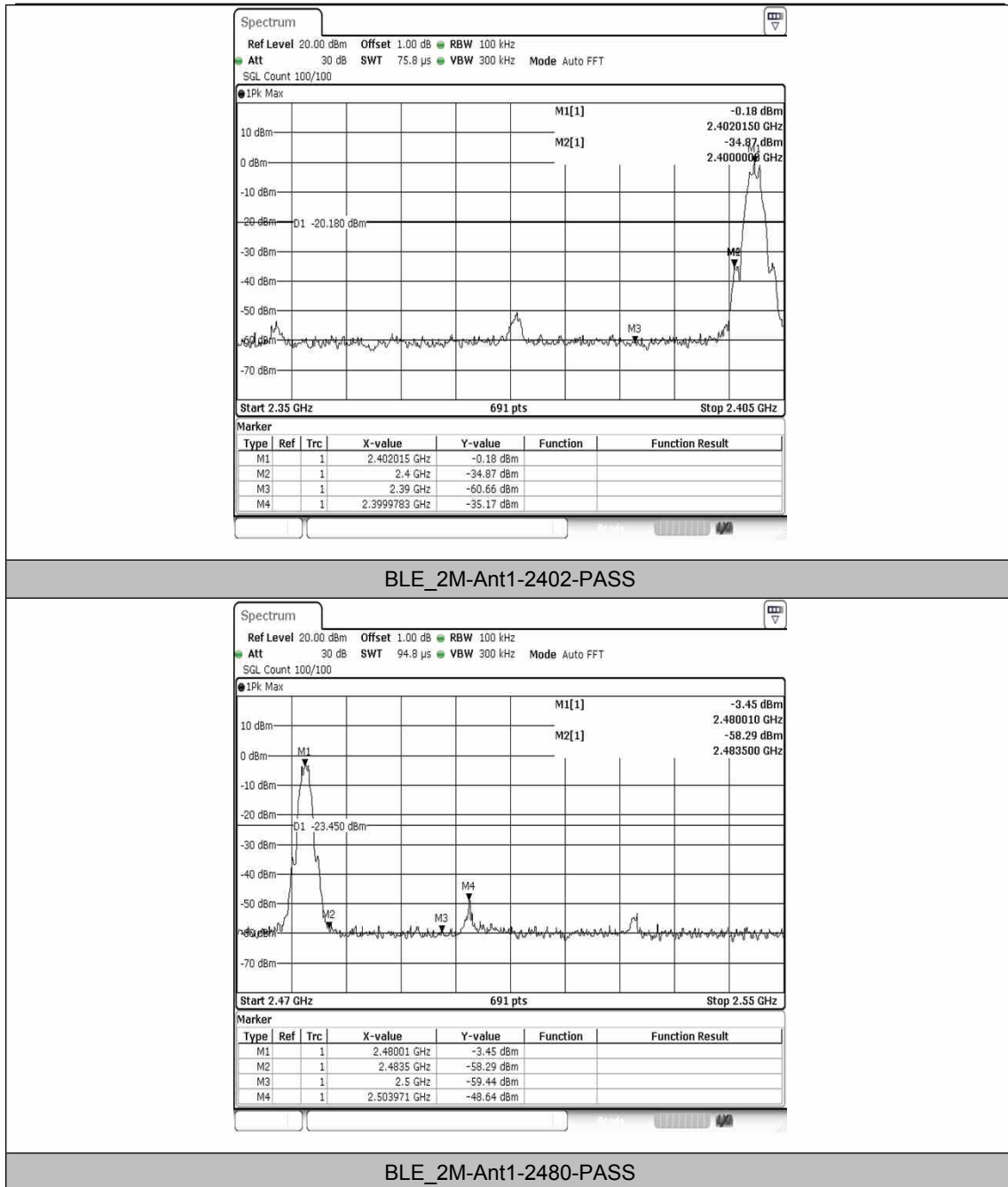
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.17	-49.48	≤-20.17	PASS
BLE_1M	Ant1	High	2480	-0.80	-50.43	≤-20.8	PASS
BLE_2M	Ant1	Low	2402	-0.18	-35.17	≤-20.18	PASS
BLE_2M	Ant1	High	2480	-3.45	-48.64	≤-23.45	PASS

Test Graphs





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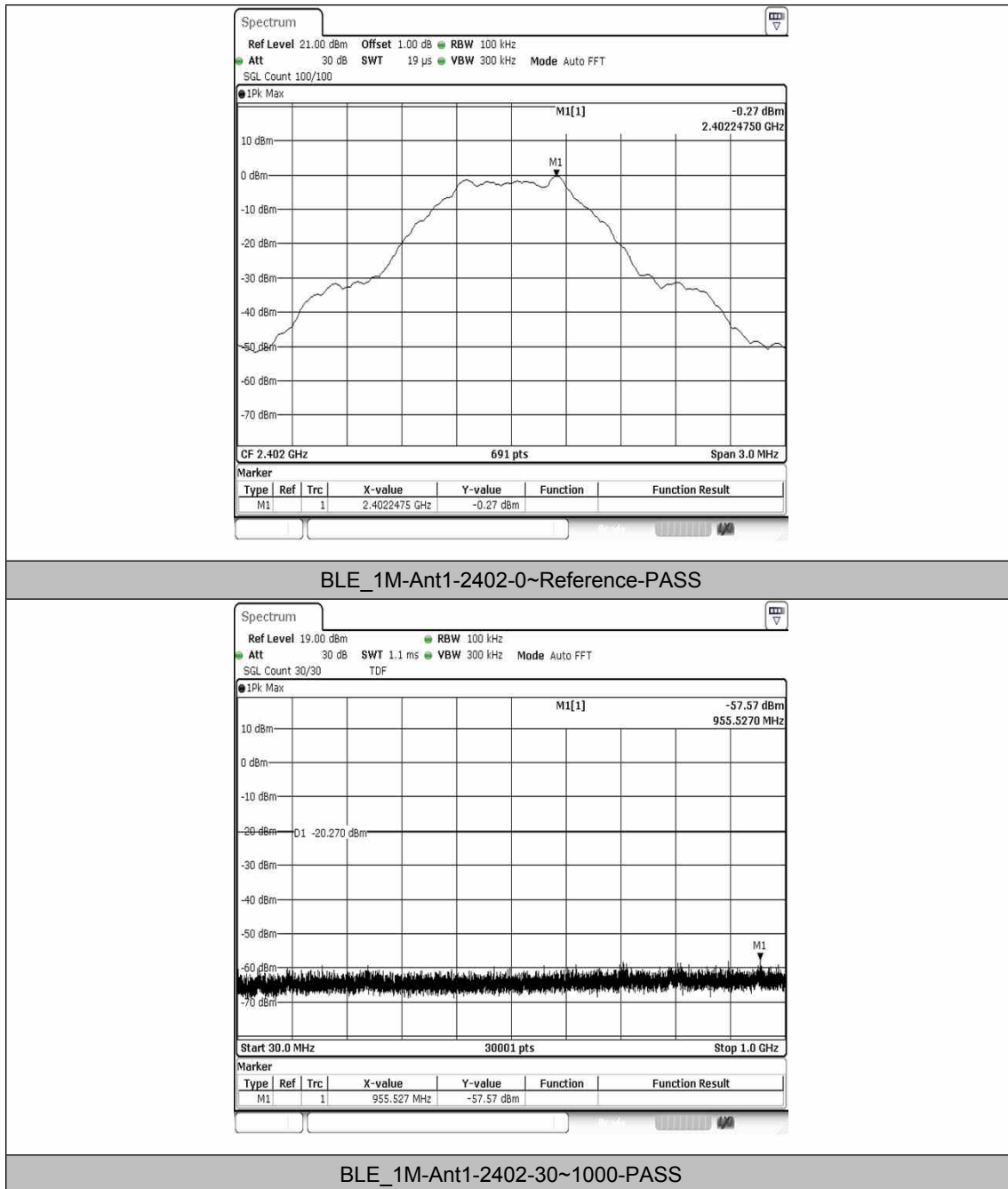
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-0.27	-0.27	---	PASS
BLE_1M	Ant1	2402	30~1000	-0.27	-57.57	≤-20.27	PASS
BLE_1M	Ant1	2402	1000~26500	-0.27	-43.61	≤-20.27	PASS
BLE_1M	Ant1	2440	0~Reference	-1.96	-1.96	---	PASS
BLE_1M	Ant1	2440	30~1000	-1.96	-57.57	≤-21.96	PASS
BLE_1M	Ant1	2440	1000~26500	-1.96	-44.04	≤-21.96	PASS
BLE_1M	Ant1	2480	0~Reference	-0.56	-0.56	---	PASS
BLE_1M	Ant1	2480	30~1000	-0.56	-58.33	≤-20.56	PASS
BLE_1M	Ant1	2480	1000~26500	-0.56	-44.56	≤-20.56	PASS
BLE_2M	Ant1	2402	0~Reference	-0.52	-0.52	---	PASS
BLE_2M	Ant1	2402	30~1000	-0.52	-58.75	≤-20.52	PASS
BLE_2M	Ant1	2402	1000~26500	-0.52	-43.94	≤-20.52	PASS
BLE_2M	Ant1	2440	0~Reference	-3.81	-3.81	---	PASS
BLE_2M	Ant1	2440	30~1000	-3.81	-58.65	≤-23.81	PASS
BLE_2M	Ant1	2440	1000~26500	-3.81	-44.11	≤-23.81	PASS
BLE_2M	Ant1	2480	0~Reference	-3.88	-3.88	---	PASS
BLE_2M	Ant1	2480	30~1000	-3.88	-57.95	≤-23.88	PASS
BLE_2M	Ant1	2480	1000~26500	-3.88	-43.93	≤-23.88	PASS

Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'TDF' of the Spectrum Analyzer during the test.

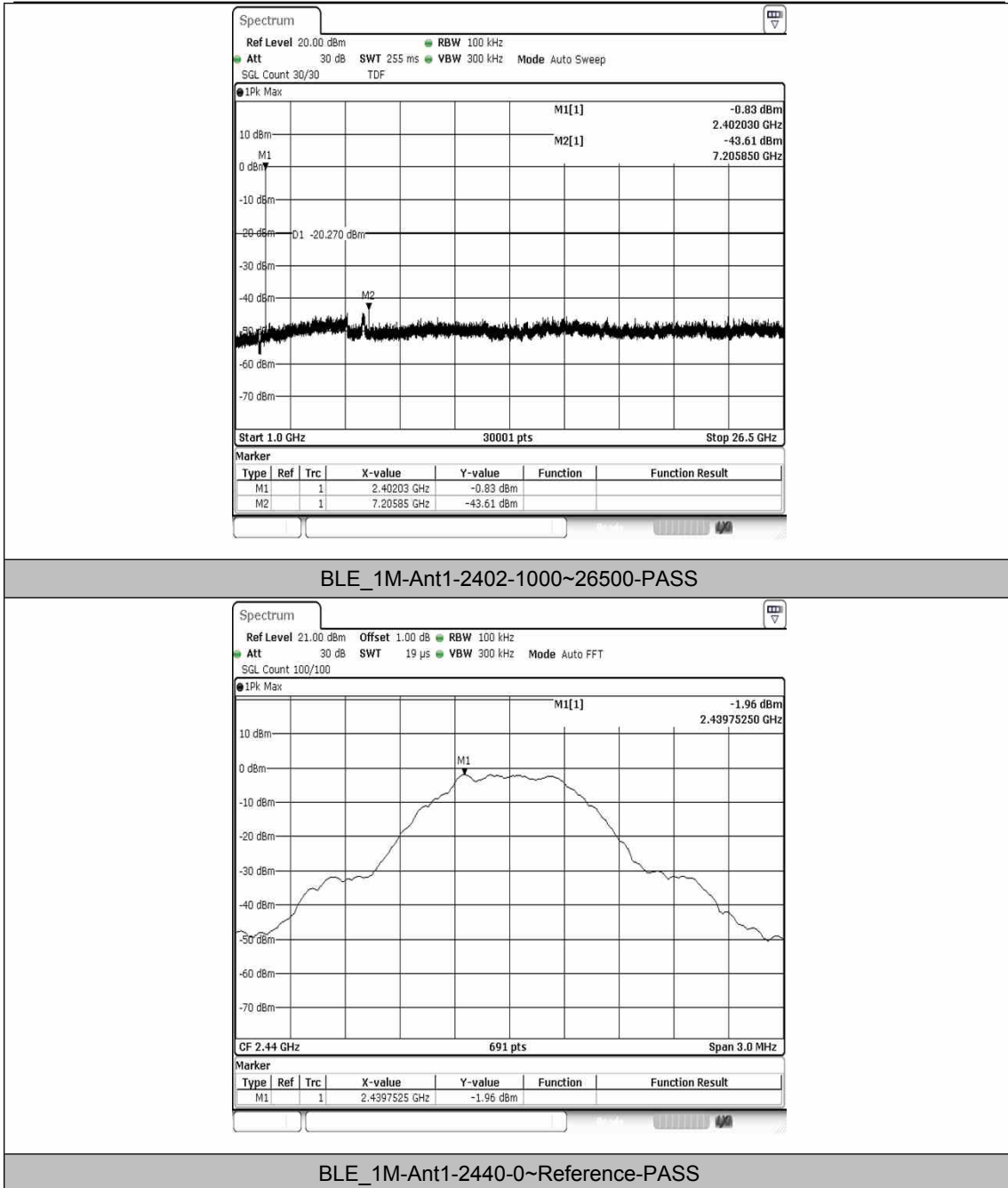
Test Graphs



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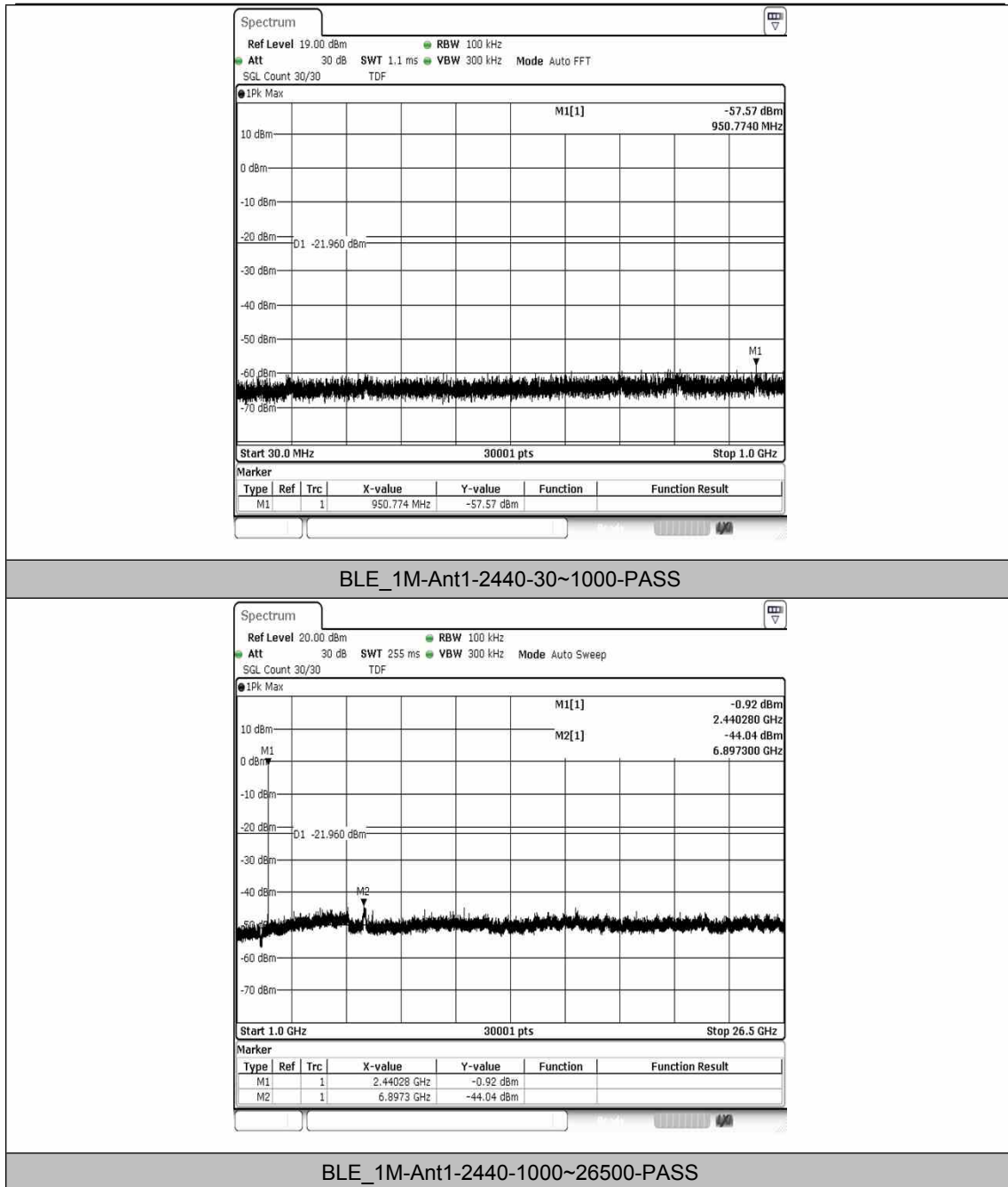
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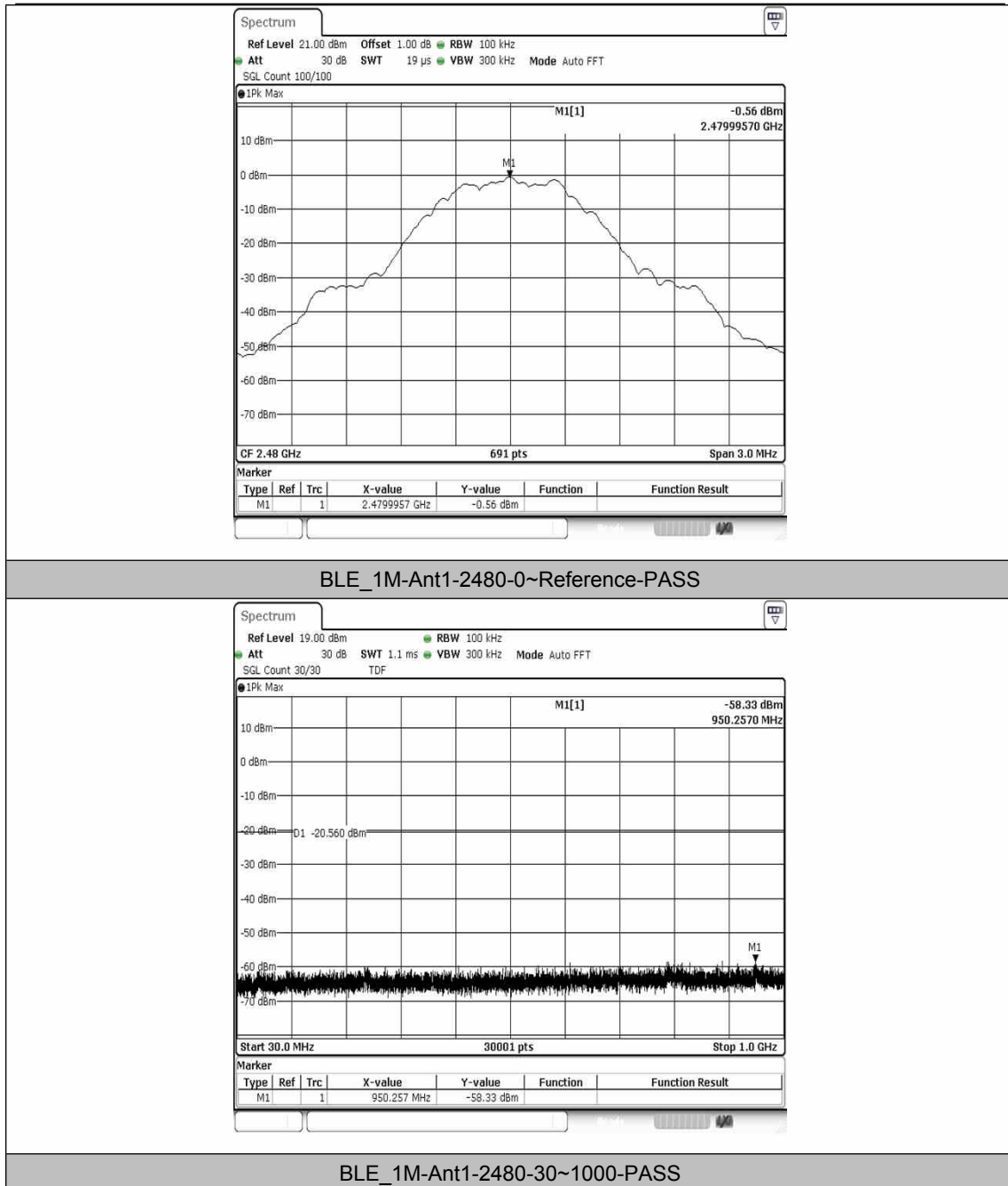
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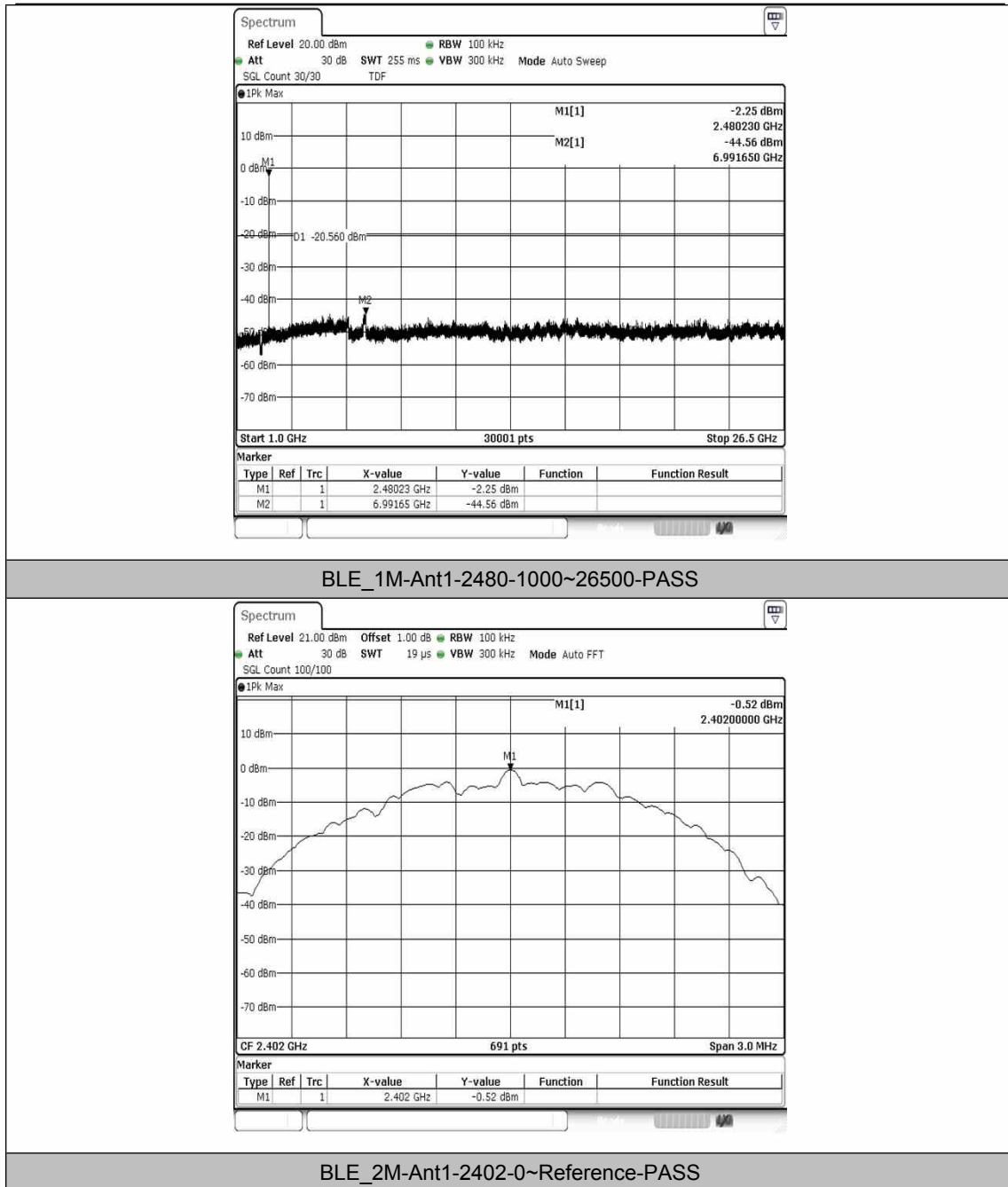
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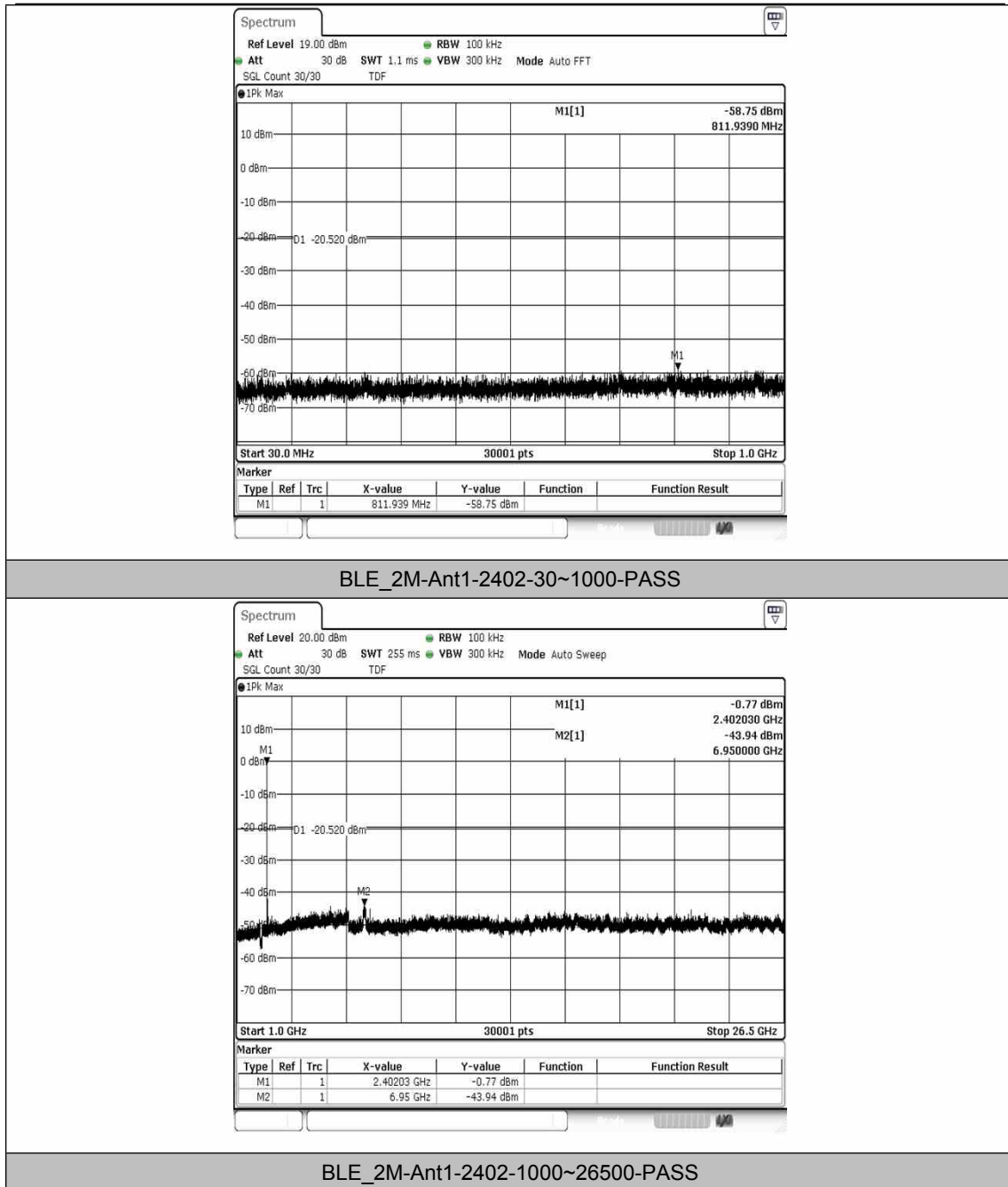
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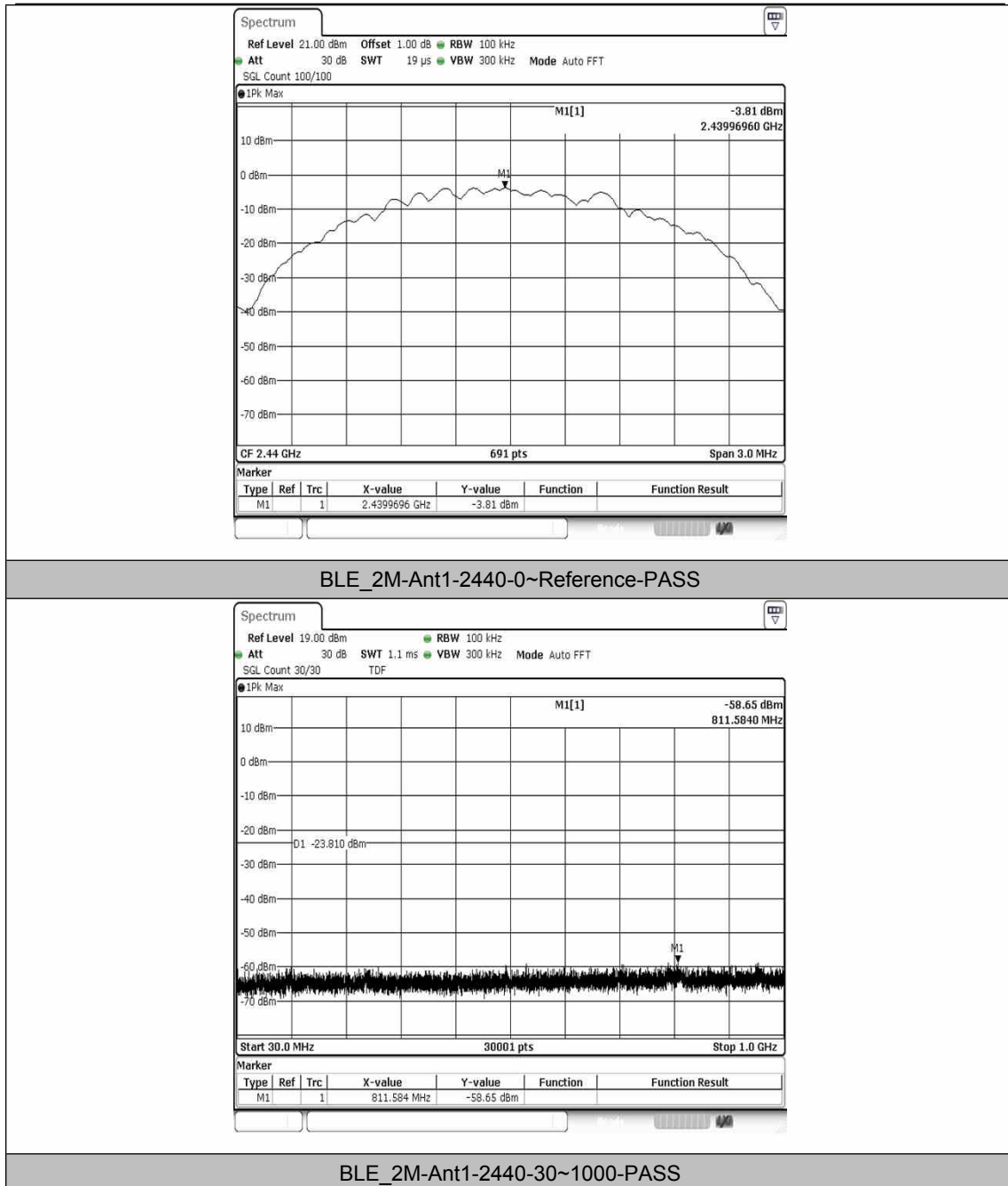
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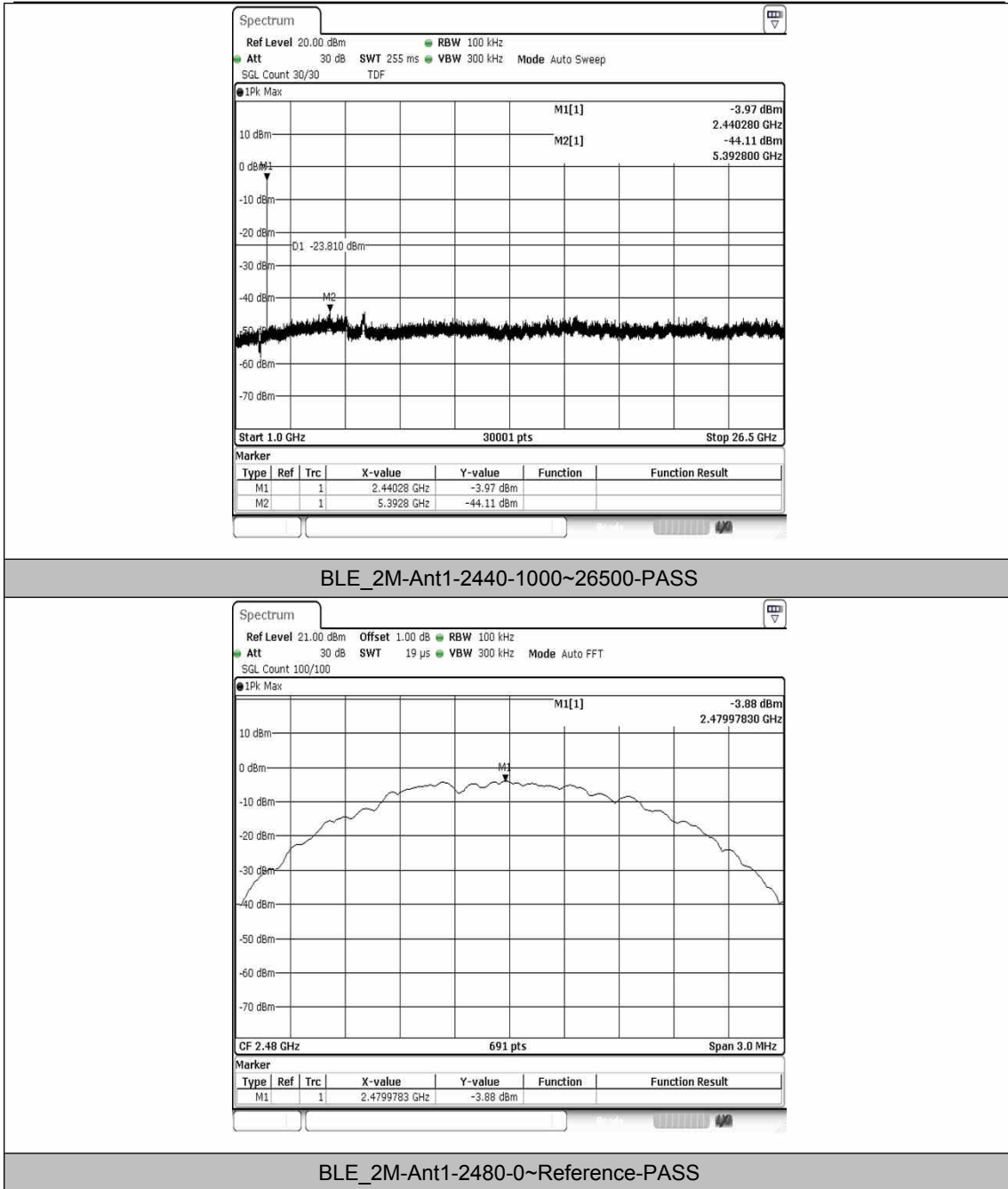
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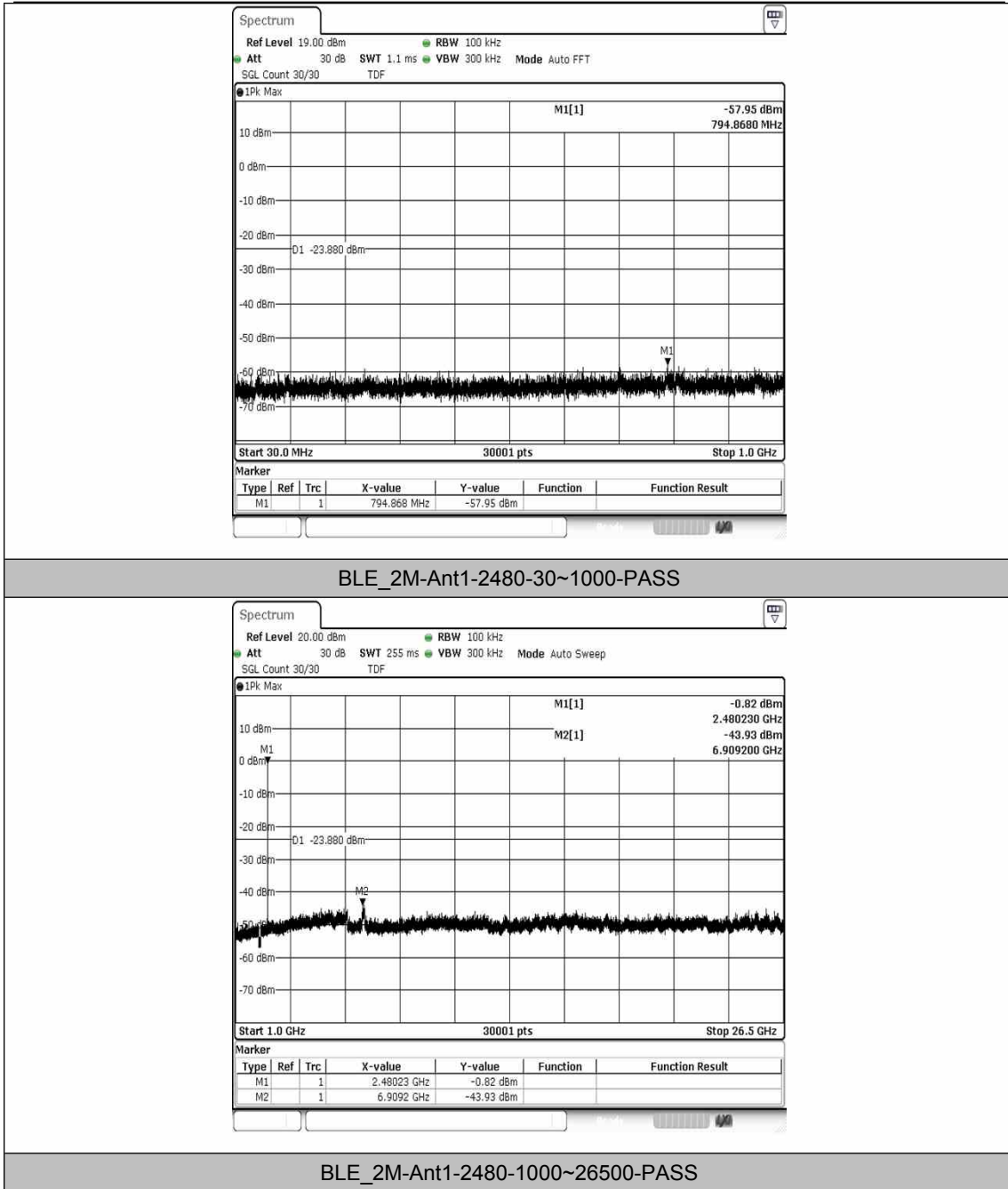
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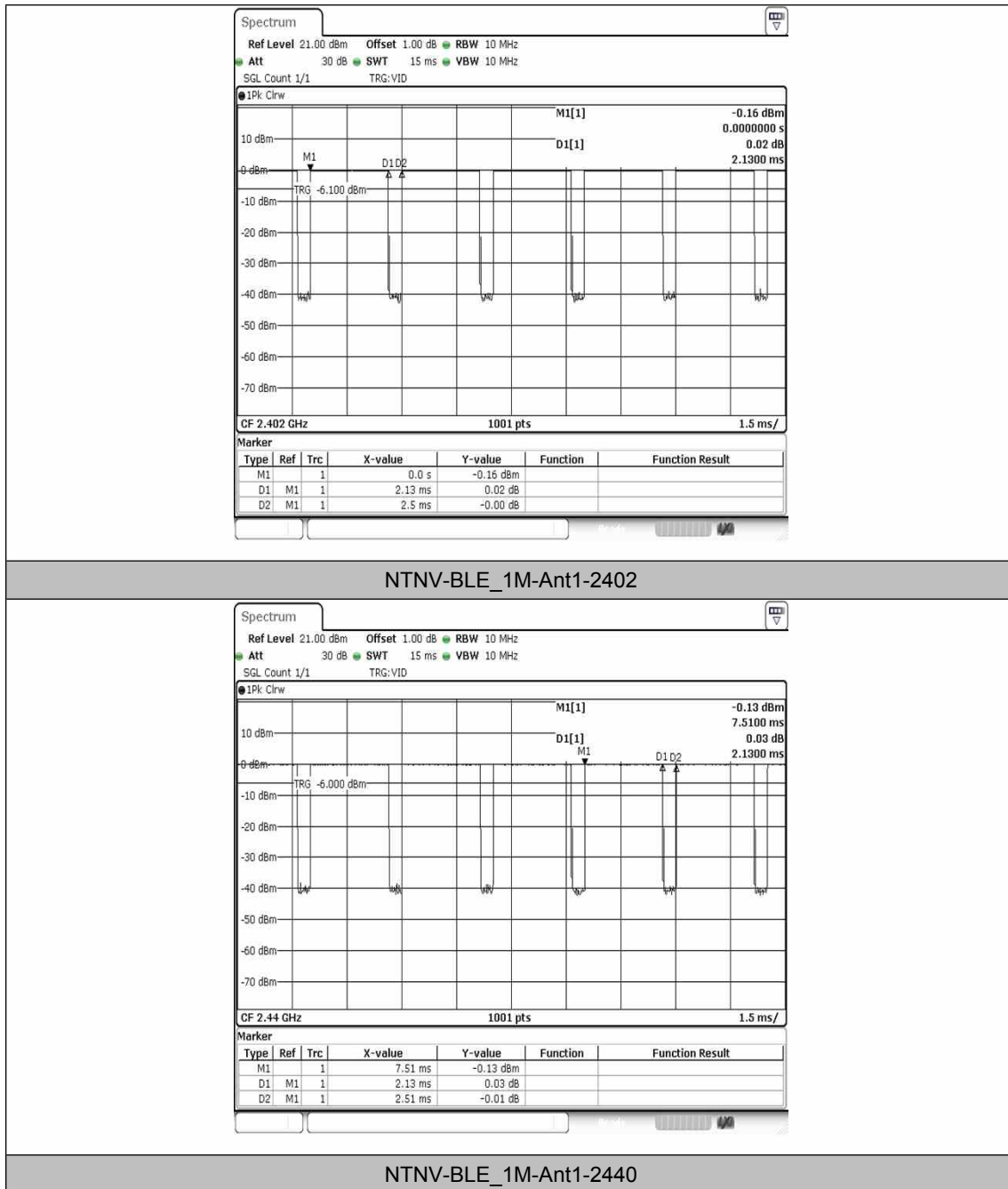
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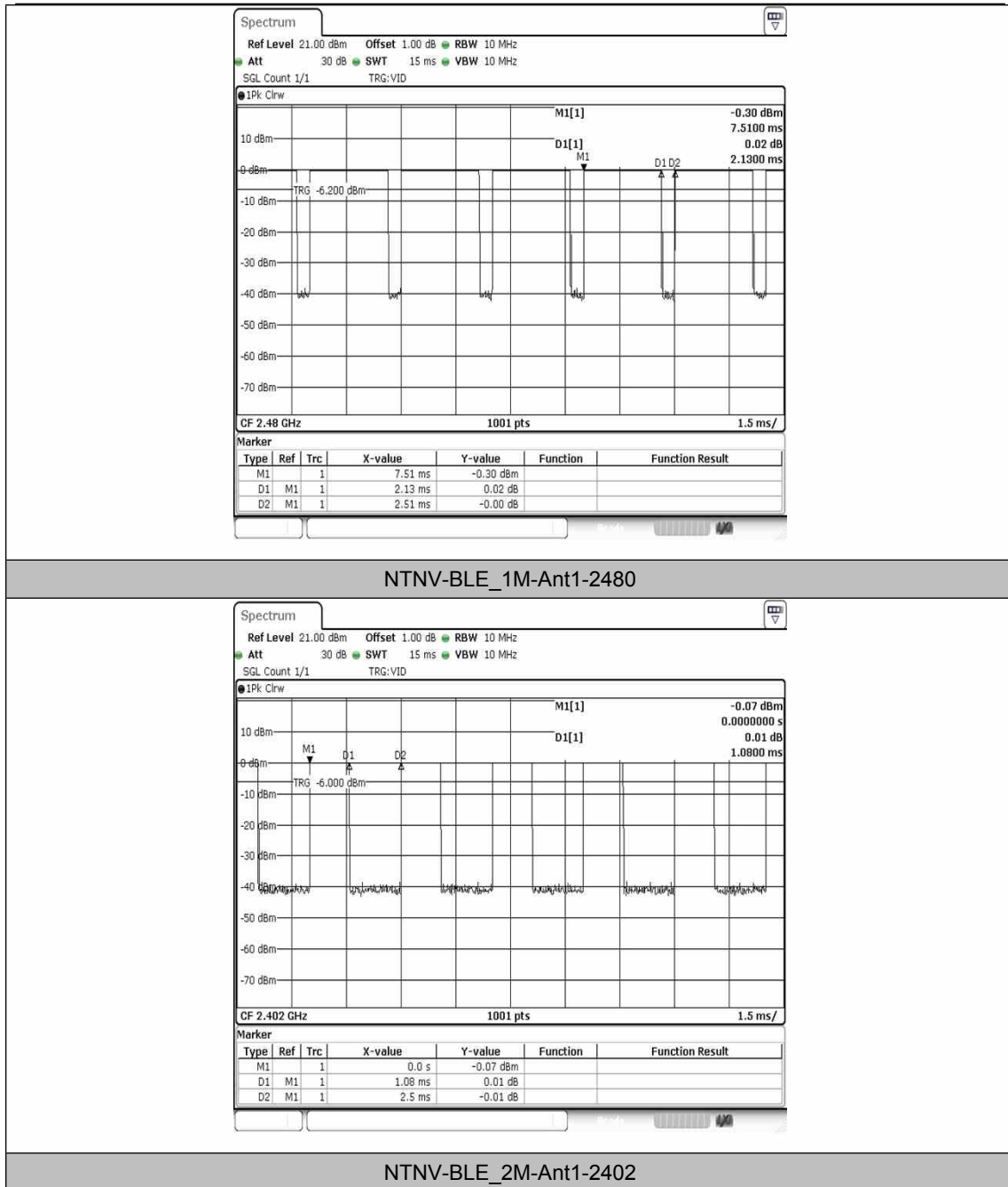
Appendix G: Duty Cycle

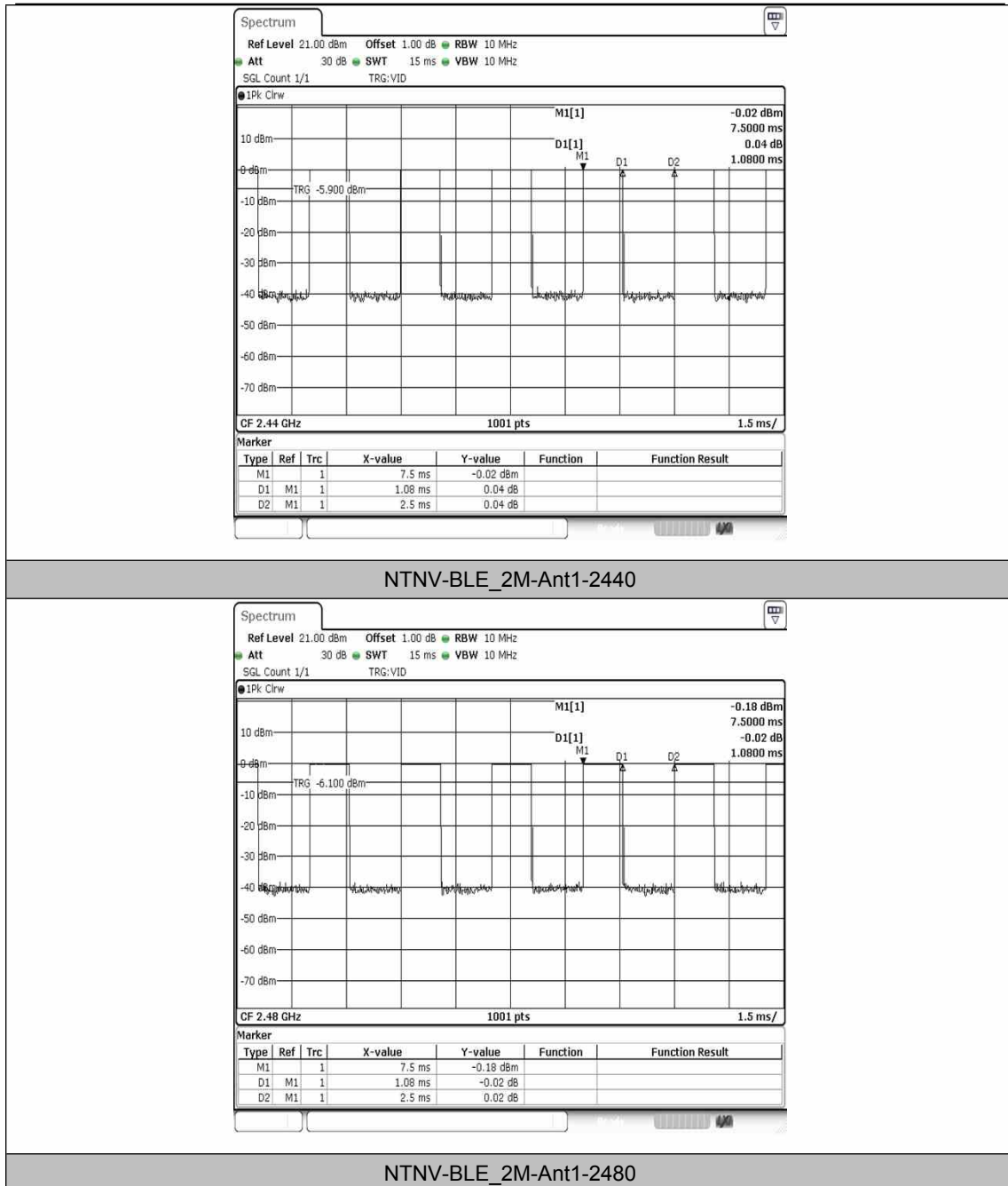
Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2440	2.13	2.51	84.86	0.71
BLE_1M	Ant1	2480	2.13	2.51	84.86	0.71
BLE_2M	Ant1	2402	1.08	2.50	43.20	3.65
BLE_2M	Ant1	2440	1.08	2.50	43.20	3.65
BLE_2M	Ant1	2480	1.08	2.50	43.20	3.65

Test Graphs







---End---