

Appendix Test Data

Report No:	1812C40102012502	Test Sample NO:	1-2-2
Start Test Date:	2024.11.1	Finish Test Date:	2024.11.4
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.6°C	Relative Humidity:	49%
Pressure:	101 kPa		

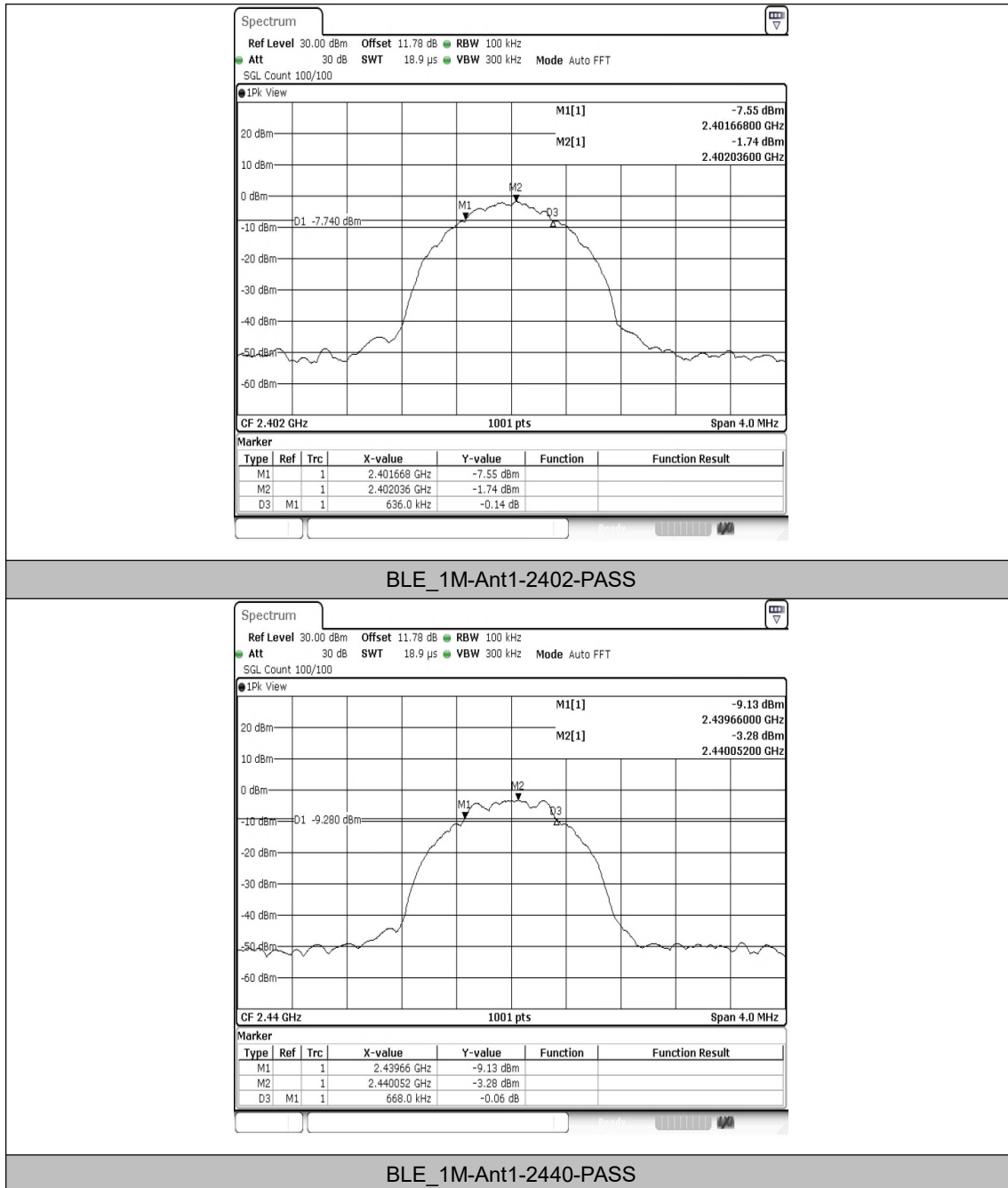
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.64	2401.67	2402.30	0.5	PASS
BLE_1M	Ant1	2440	0.67	2439.66	2440.33	0.5	PASS
BLE_1M	Ant1	2480	0.61	2479.68	2480.29	0.5	PASS
BLE_2M	Ant1	2402	0.86	2401.48	2402.34	0.5	PASS
BLE_2M	Ant1	2440	1.11	2439.43	2440.54	0.5	PASS
BLE_2M	Ant1	2480	0.90	2479.45	2480.35	0.5	PASS



Test Graphs



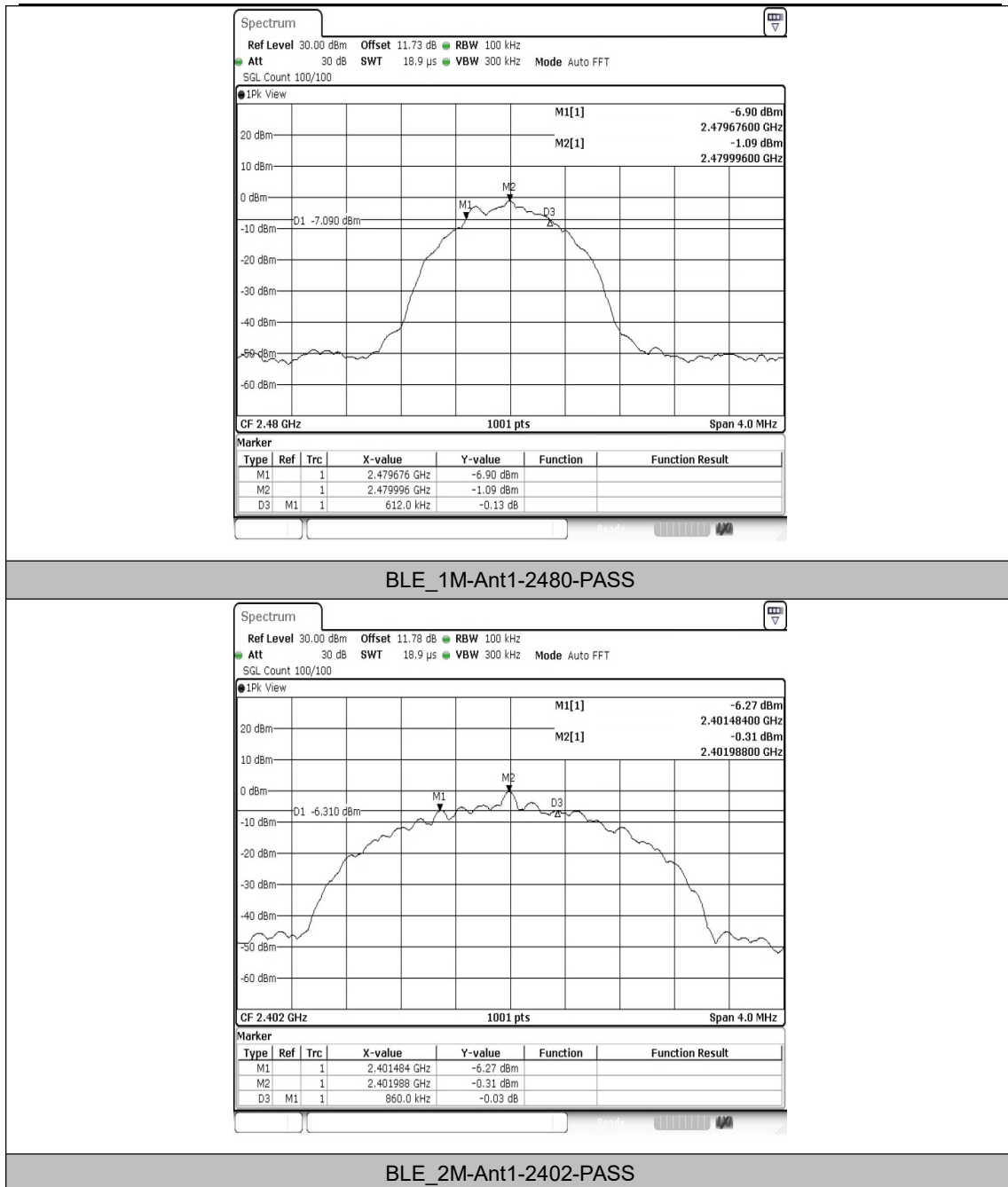
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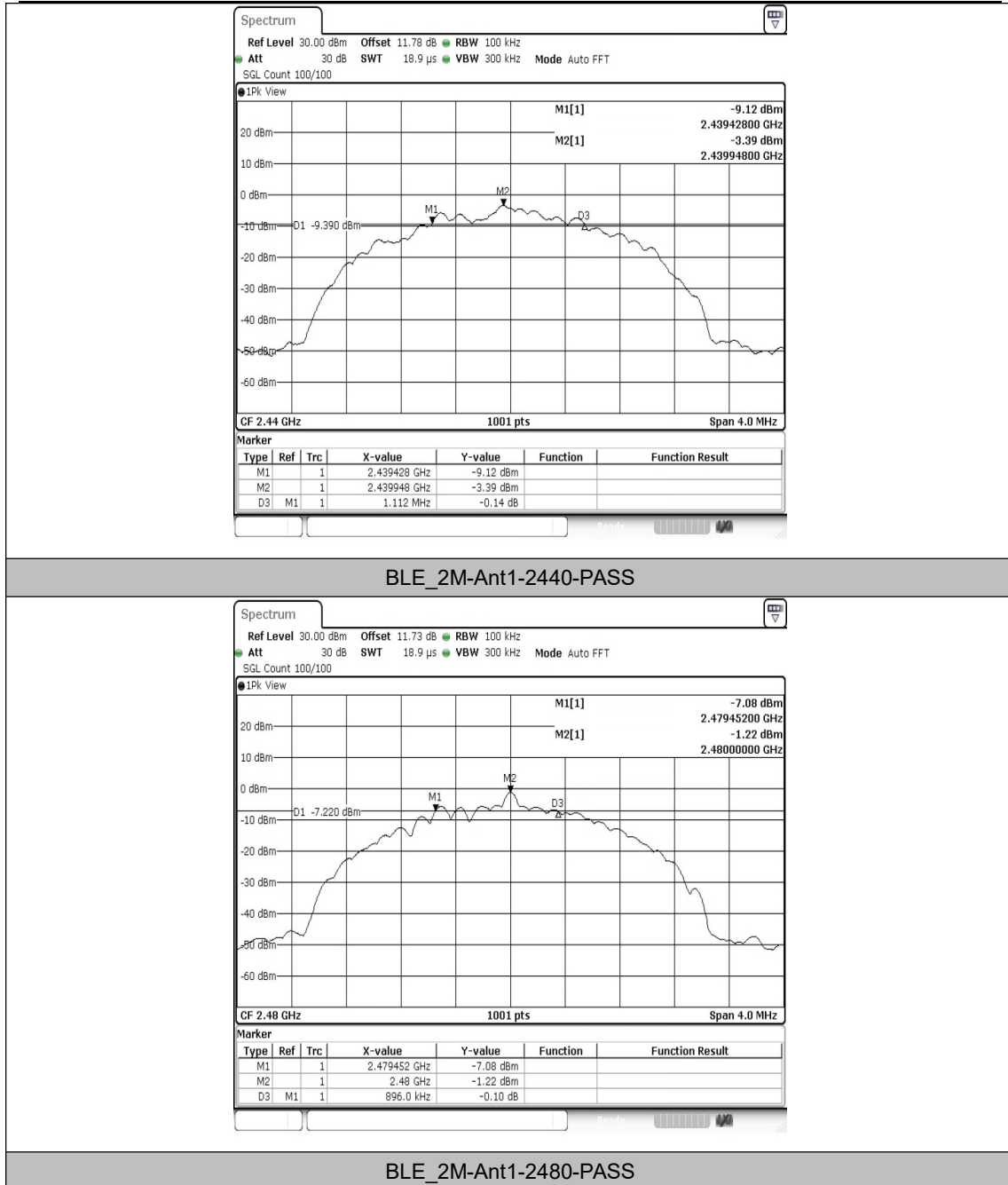
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.079	2401.4525	2402.5315	---	---
BLE_1M	Ant1	2440	1.083	2439.4446	2440.5275	---	---
BLE_1M	Ant1	2480	1.075	2479.4525	2480.5275	---	---
BLE_2M	Ant1	2402	2.082	2400.9610	2403.0430	---	---
BLE_2M	Ant1	2440	2.118	2438.9331	2441.0509	---	---
BLE_2M	Ant1	2480	2.114	2478.9411	2481.0549	---	---

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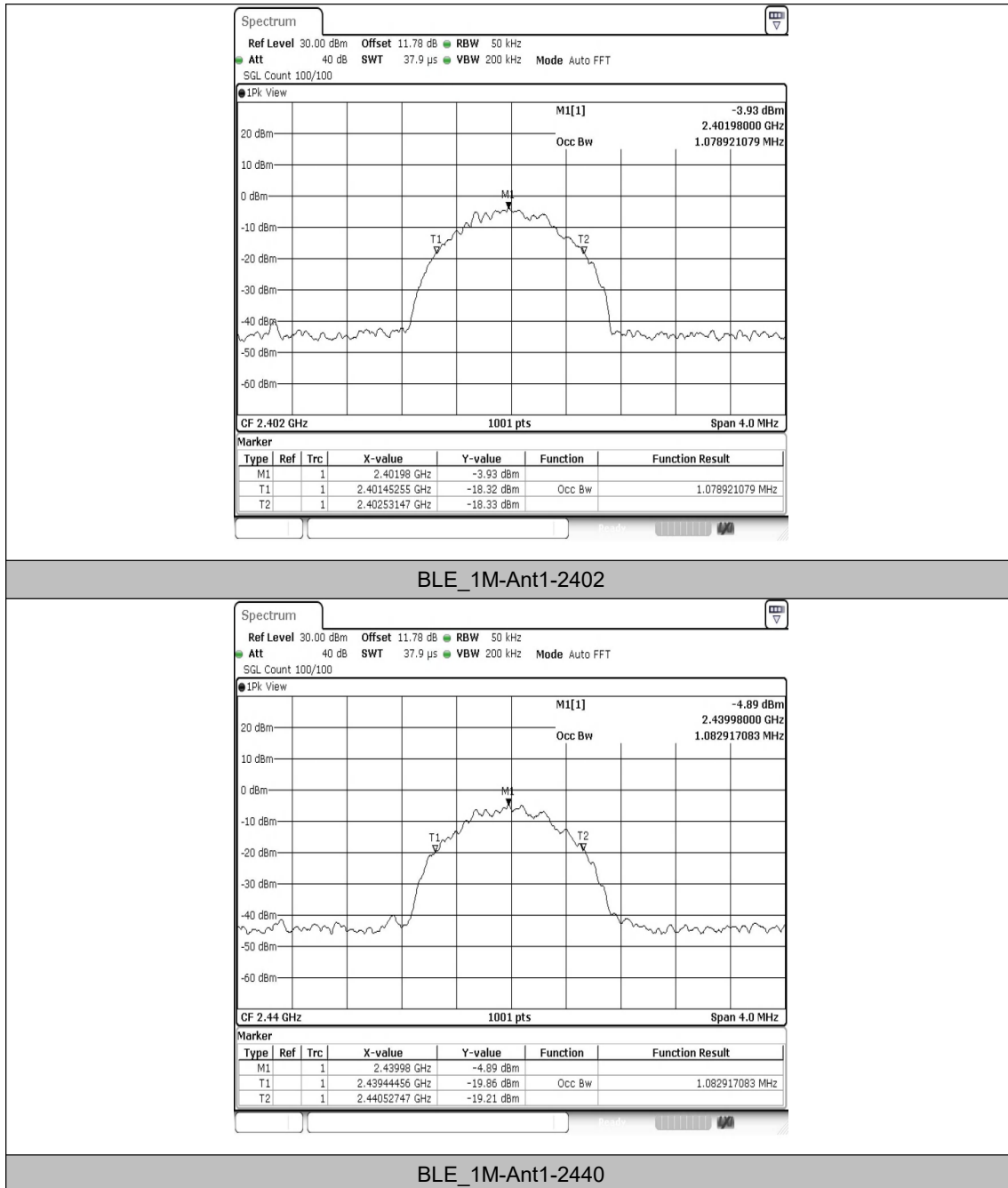
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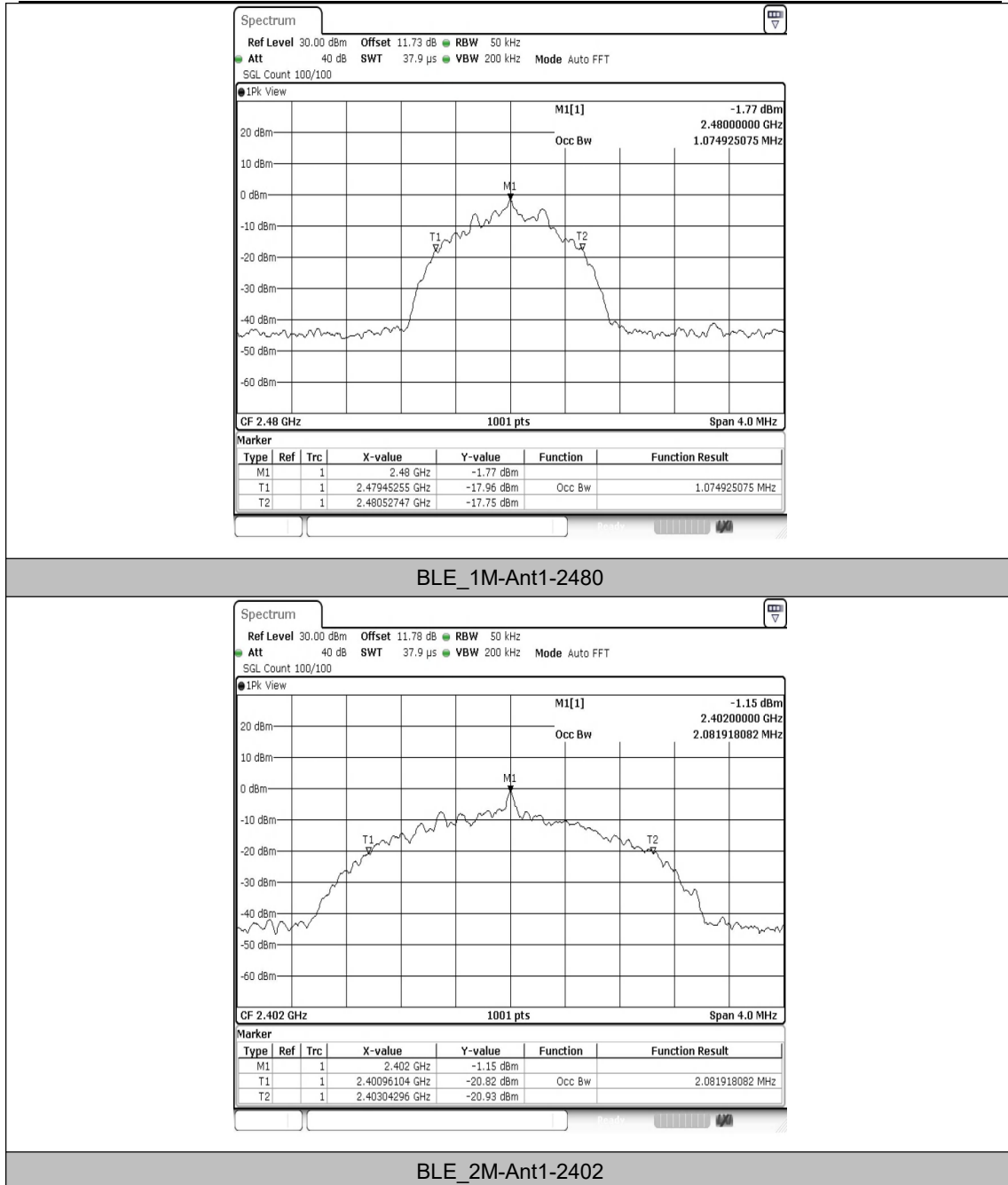


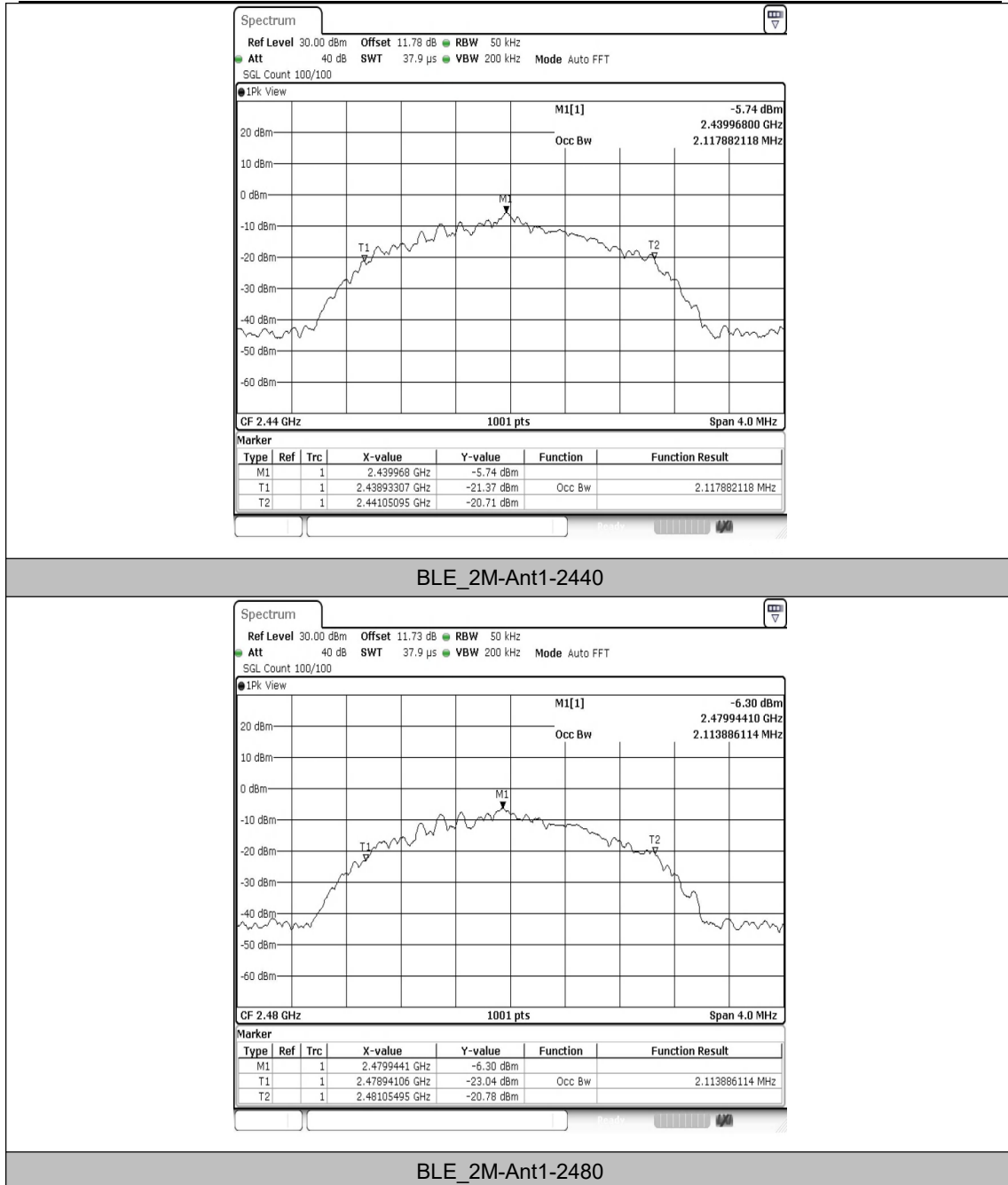
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Test Graphs







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	0.06	≤30	PASS
BLE_1M	Ant1	2440	-0.96	≤30	PASS
BLE_1M	Ant1	2480	-0.81	≤30	PASS
BLE_2M	Ant1	2402	-0.28	≤30	PASS
BLE_2M	Ant1	2440	-1.10	≤30	PASS
BLE_2M	Ant1	2480	-0.84	≤30	PASS

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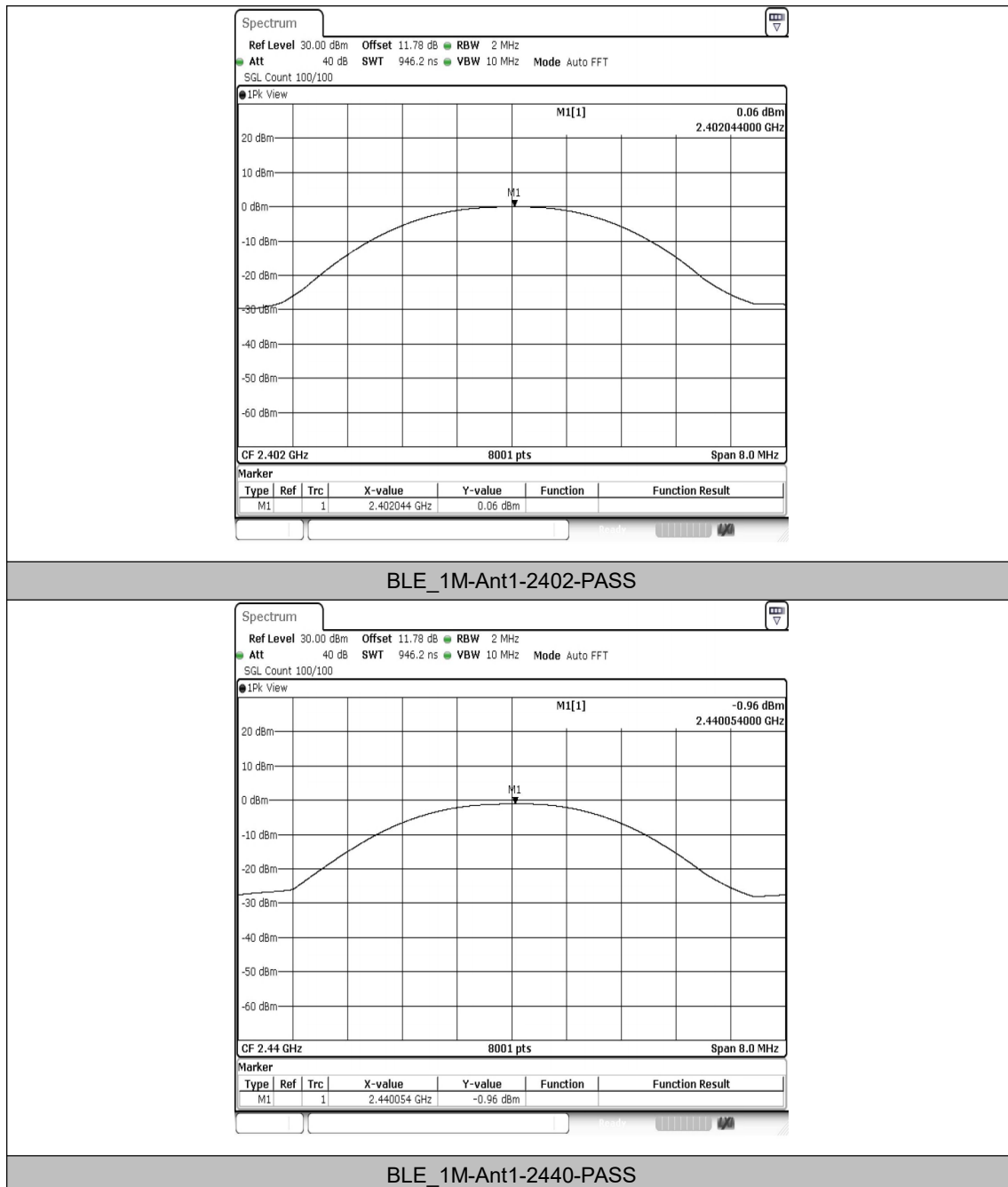
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Test Graphs Peak

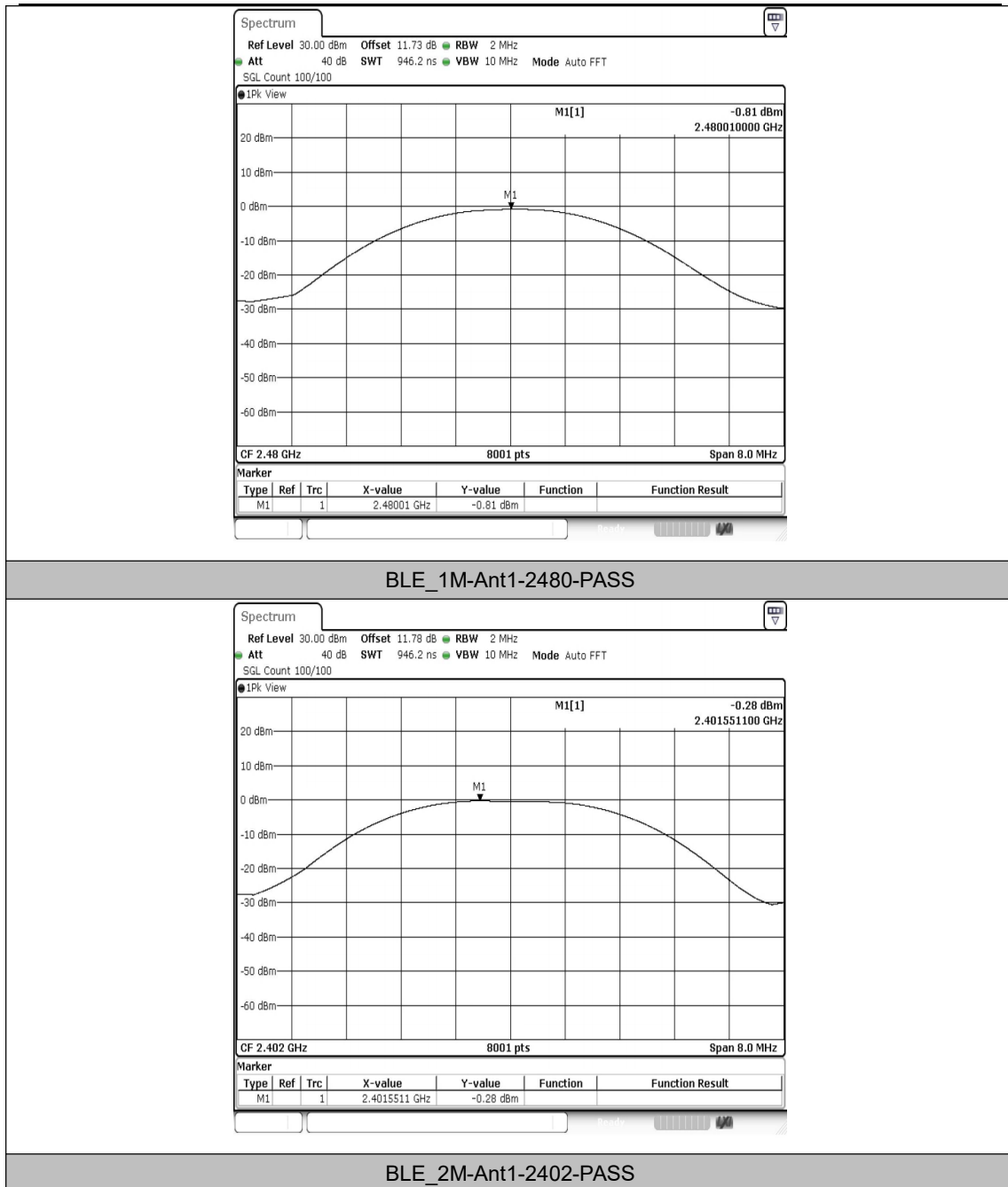


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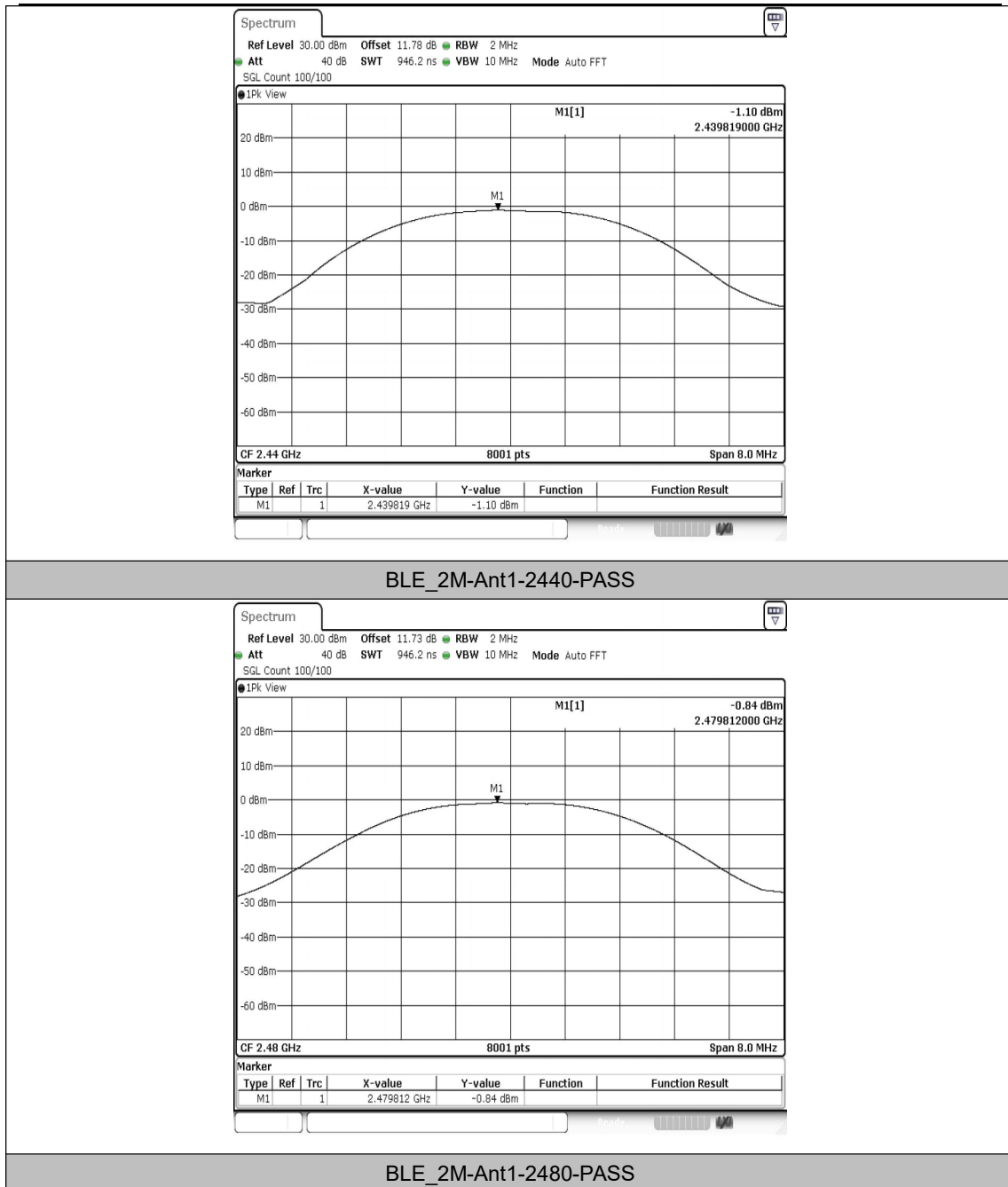


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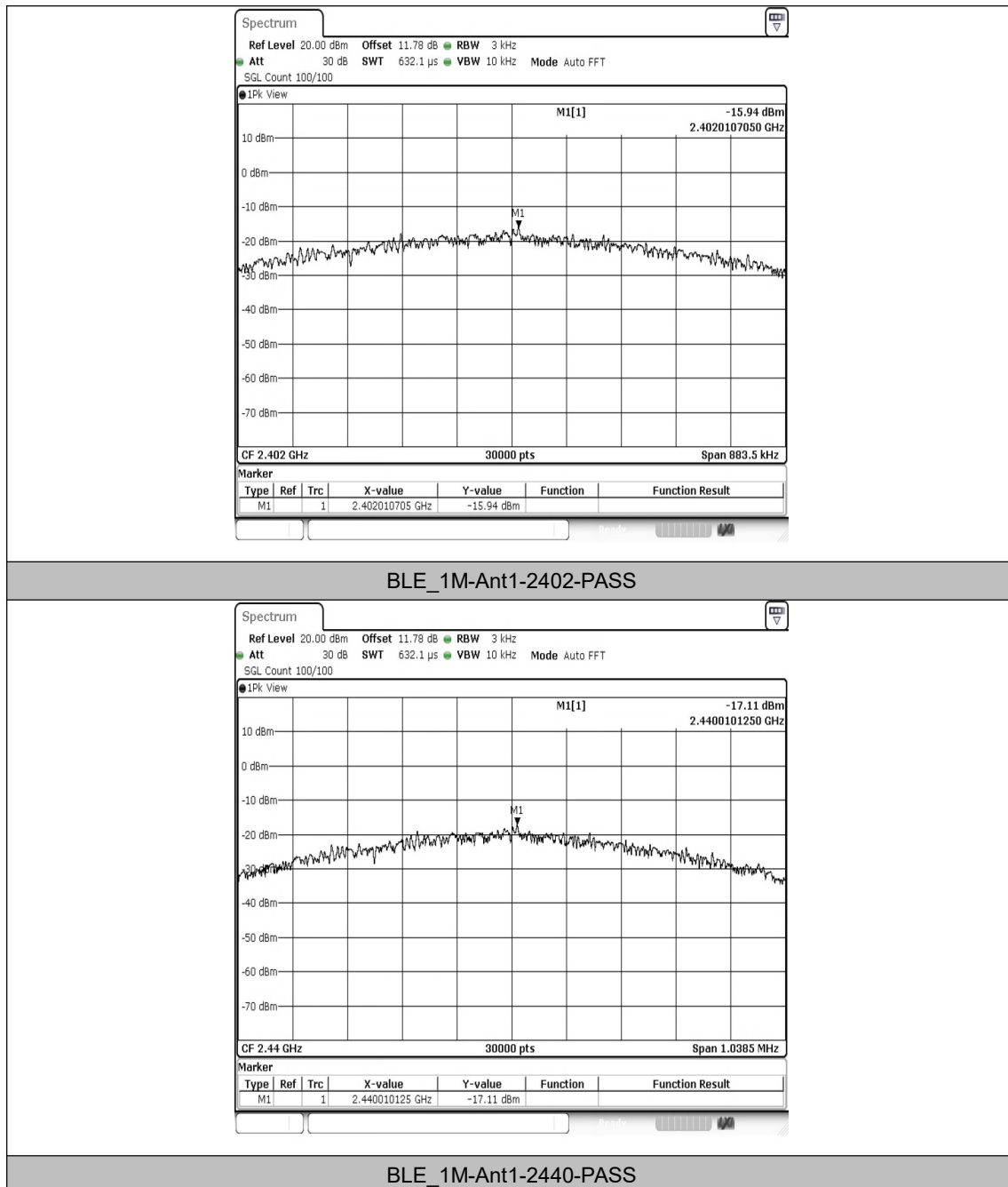
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.94	≤8.00	PASS
BLE_1M	Ant1	2440	-17.11	≤8.00	PASS
BLE_1M	Ant1	2480	-16.57	≤8.00	PASS
BLE_2M	Ant1	2402	-17.90	≤8.00	PASS
BLE_2M	Ant1	2440	-18.84	≤8.00	PASS
BLE_2M	Ant1	2480	-18.55	≤8.00	PASS



Test Graphs

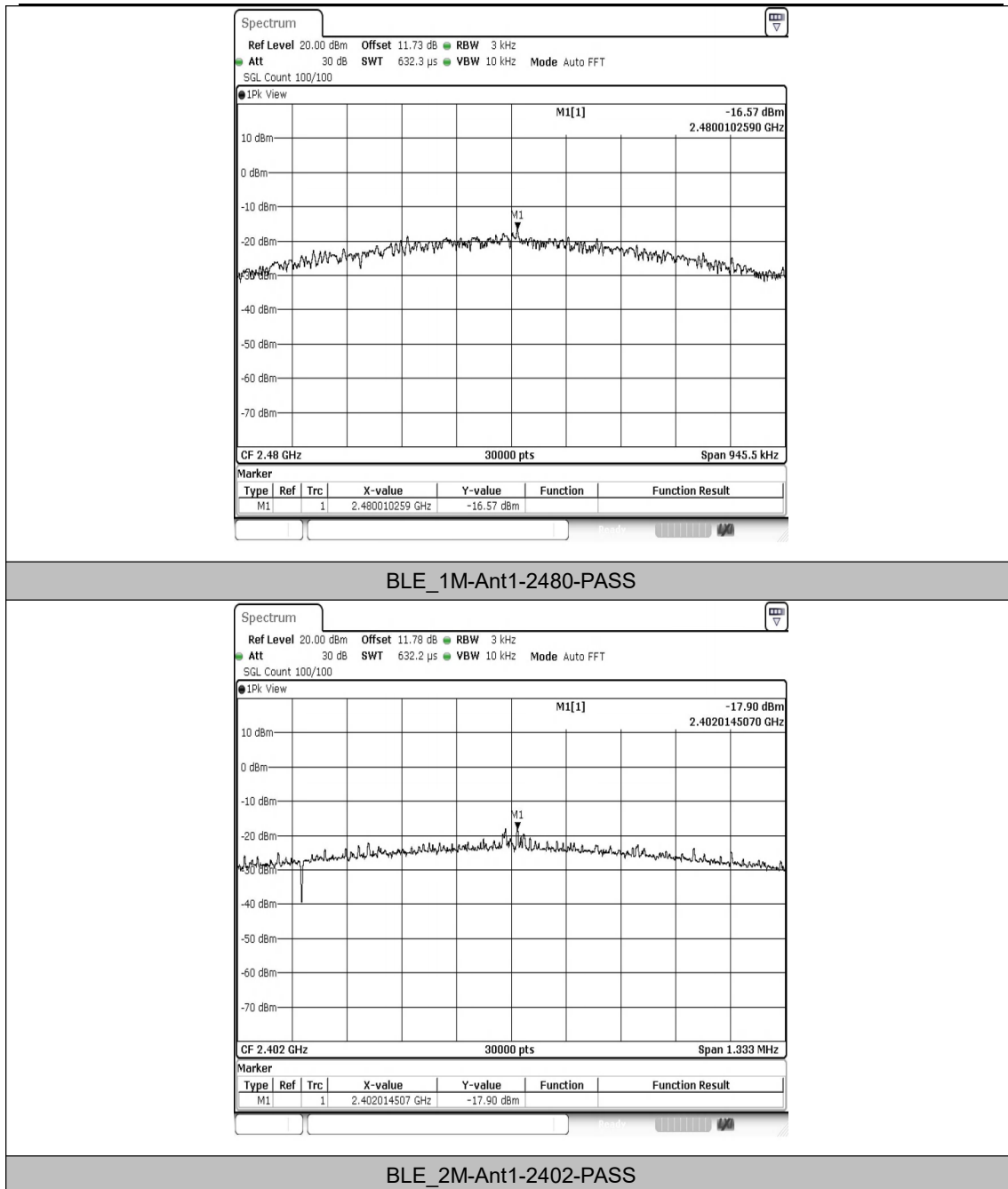


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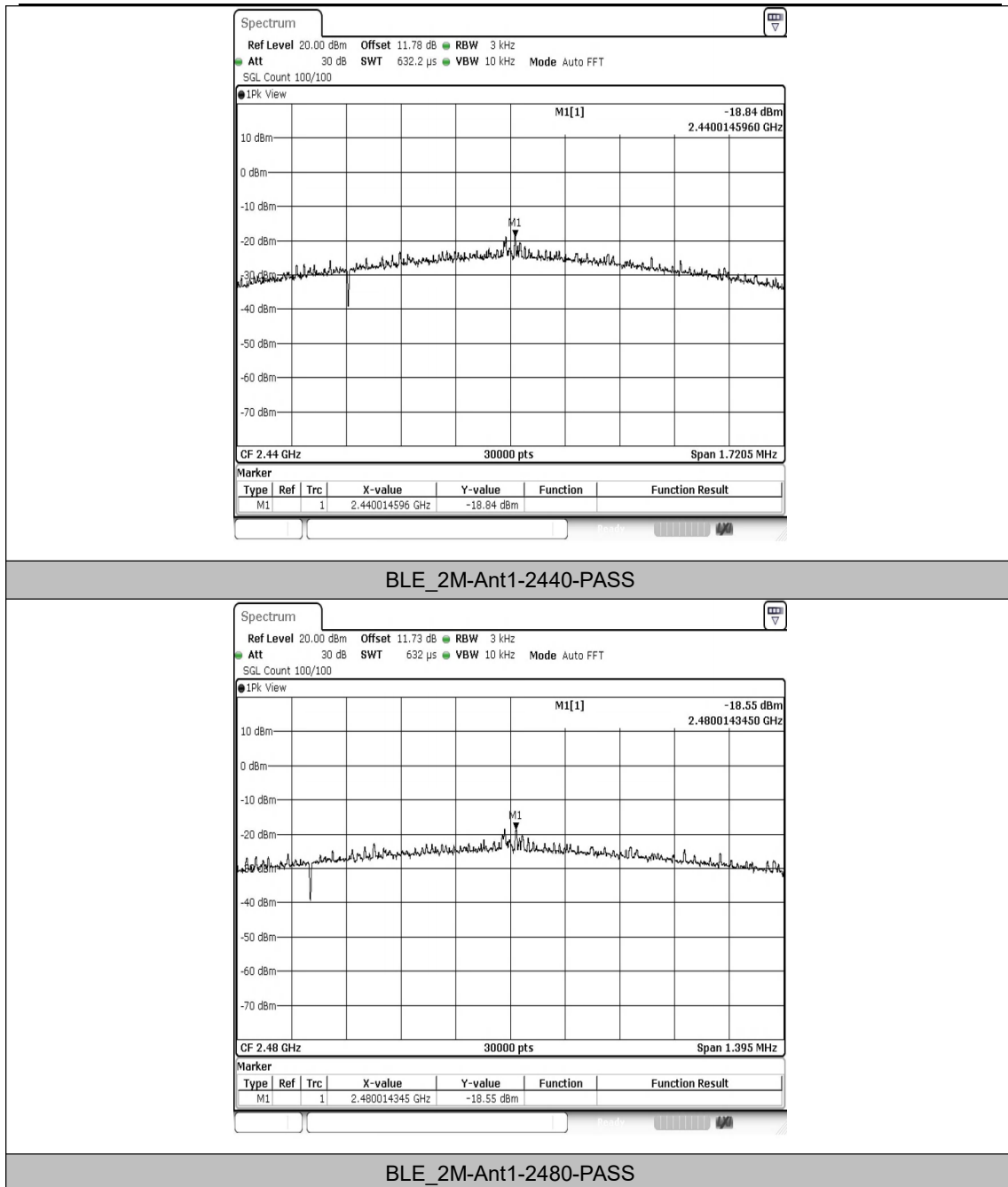


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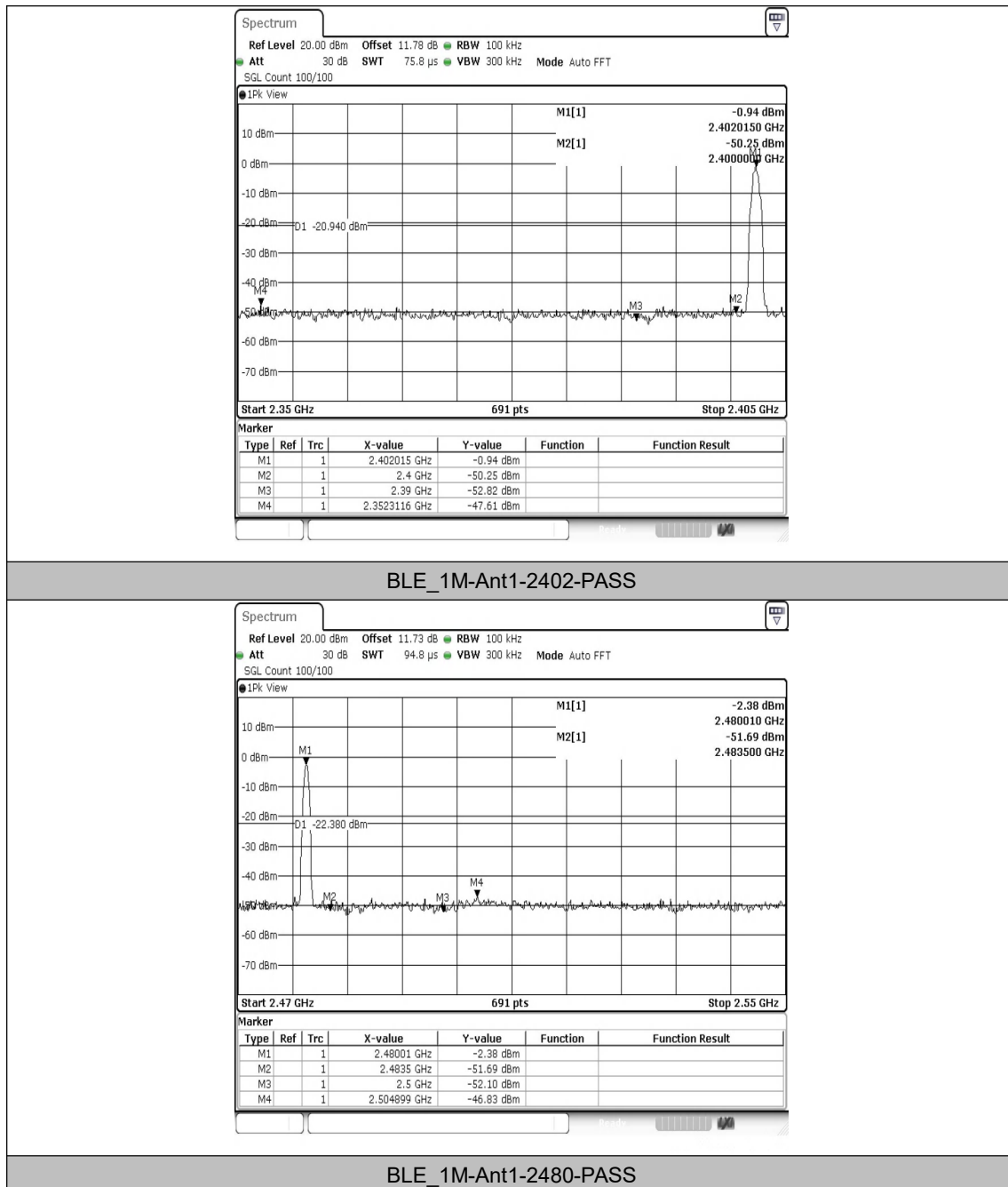
Appendix E: Band edge measurements

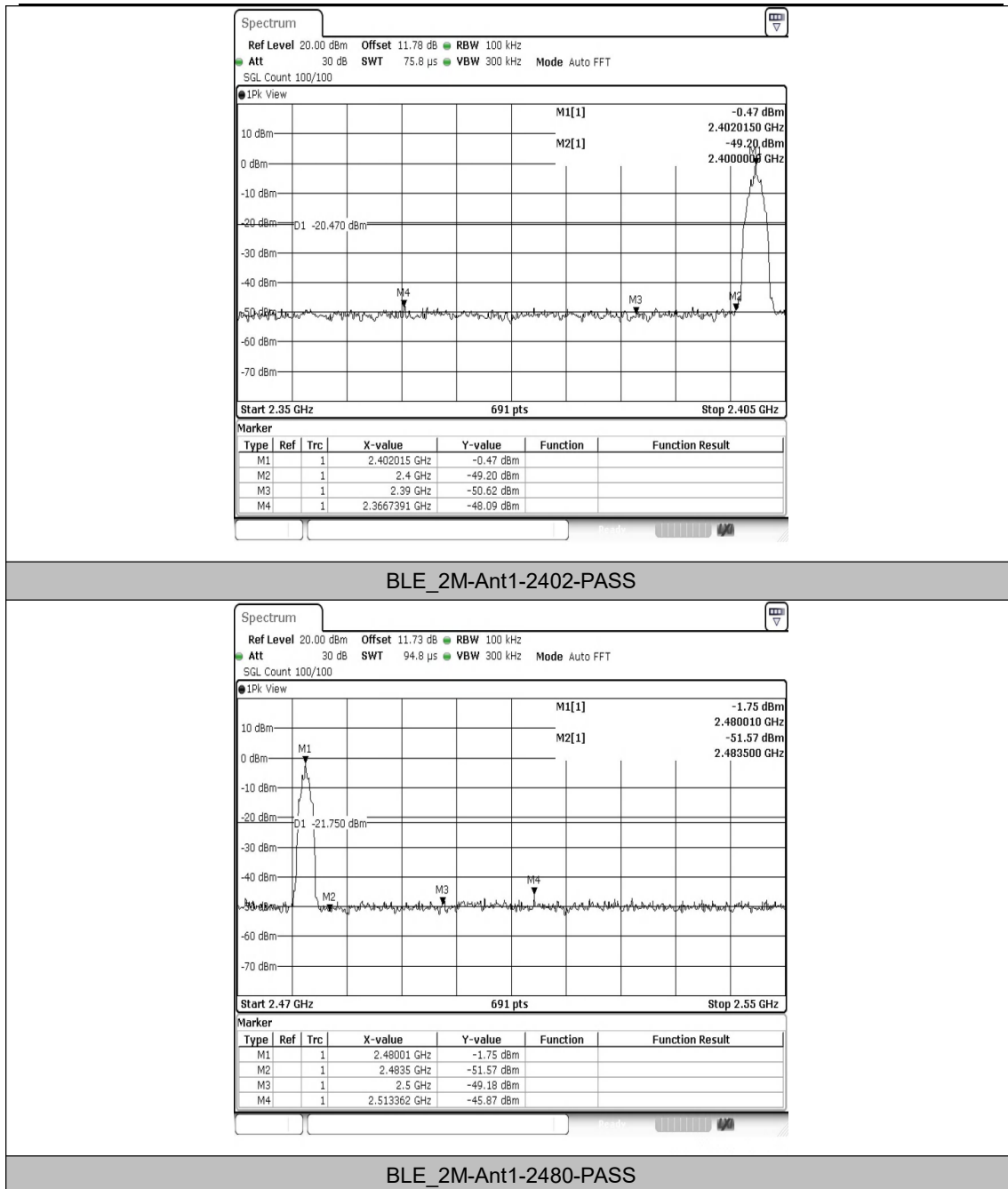
Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.94	-47.61	≤-20.94	PASS
BLE_1M	Ant1	High	2480	-2.38	-46.83	≤-22.38	PASS
BLE_2M	Ant1	Low	2402	-0.47	-48.09	≤-20.47	PASS
BLE_2M	Ant1	High	2480	-1.75	-45.87	≤-21.75	PASS



Test Graphs





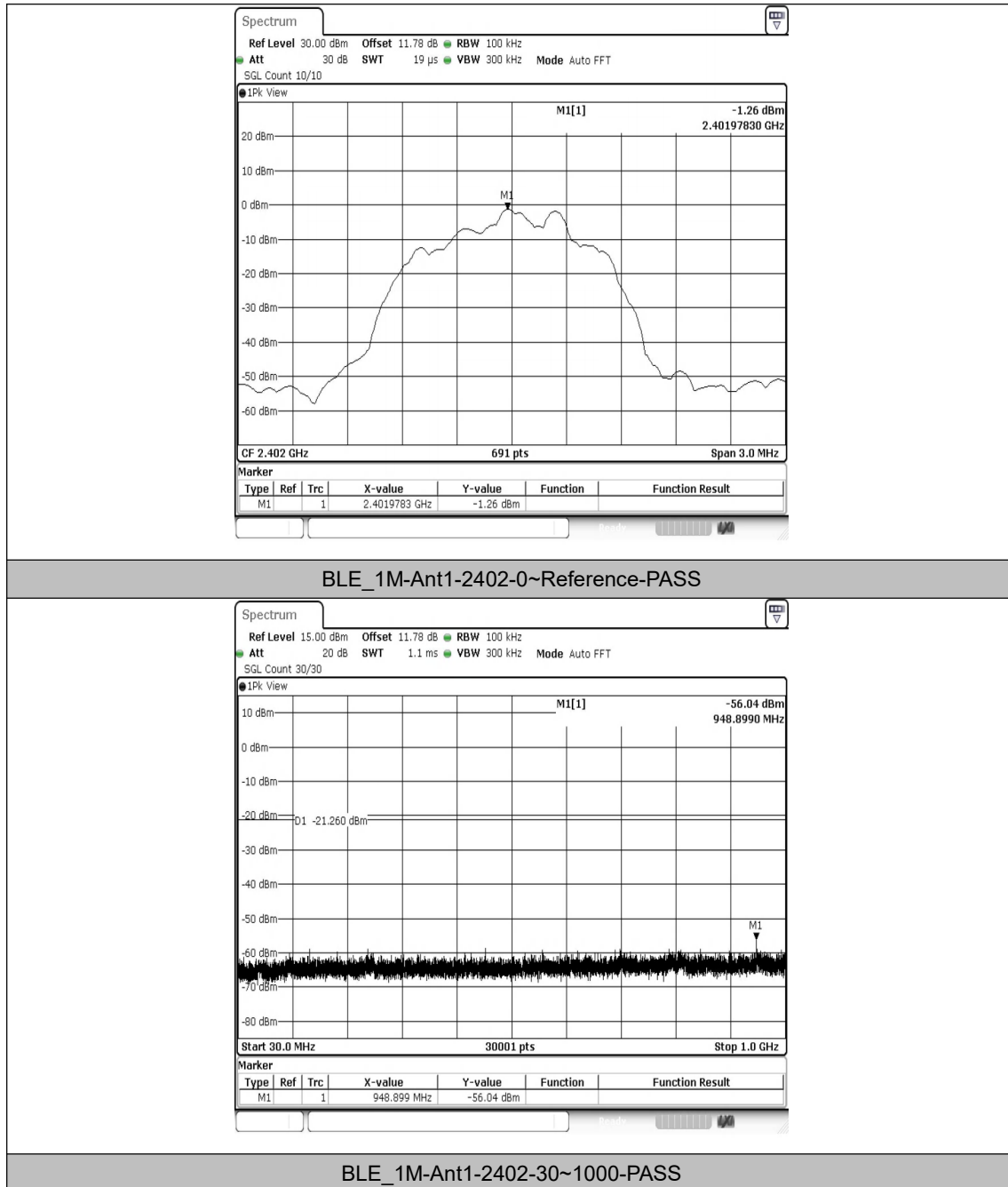
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-1.26	-1.26	---	PASS
BLE_1M	Ant1	2402	30~1000	-1.26	-56.04	≤-21.26	PASS
BLE_1M	Ant1	2402	1000~26500	-1.26	-43.64	≤-21.26	PASS
BLE_1M	Ant1	2440	0~Reference	-4.64	-4.64	---	PASS
BLE_1M	Ant1	2440	30~1000	-4.64	-58.21	≤-24.64	PASS
BLE_1M	Ant1	2440	1000~26500	-4.64	-43.41	≤-24.64	PASS
BLE_1M	Ant1	2480	0~Reference	-2.78	-2.78	---	PASS
BLE_1M	Ant1	2480	30~1000	-2.78	-57.89	≤-22.78	PASS
BLE_1M	Ant1	2480	1000~26500	-2.78	-43.92	≤-22.78	PASS
BLE_2M	Ant1	2402	0~Reference	-4.69	-4.69	---	PASS
BLE_2M	Ant1	2402	30~1000	-4.69	-57.93	≤-24.69	PASS
BLE_2M	Ant1	2402	1000~26500	-4.69	-44.08	≤-24.69	PASS
BLE_2M	Ant1	2440	0~Reference	-5.90	-5.90	---	PASS
BLE_2M	Ant1	2440	30~1000	-5.90	-58.47	≤-25.9	PASS
BLE_2M	Ant1	2440	1000~26500	-5.90	-43.52	≤-25.9	PASS
BLE_2M	Ant1	2480	0~Reference	-2.49	-2.49	---	PASS
BLE_2M	Ant1	2480	30~1000	-2.49	-57.25	≤-22.49	PASS
BLE_2M	Ant1	2480	1000~26500	-2.49	-43.98	≤-22.49	PASS



Test Graphs

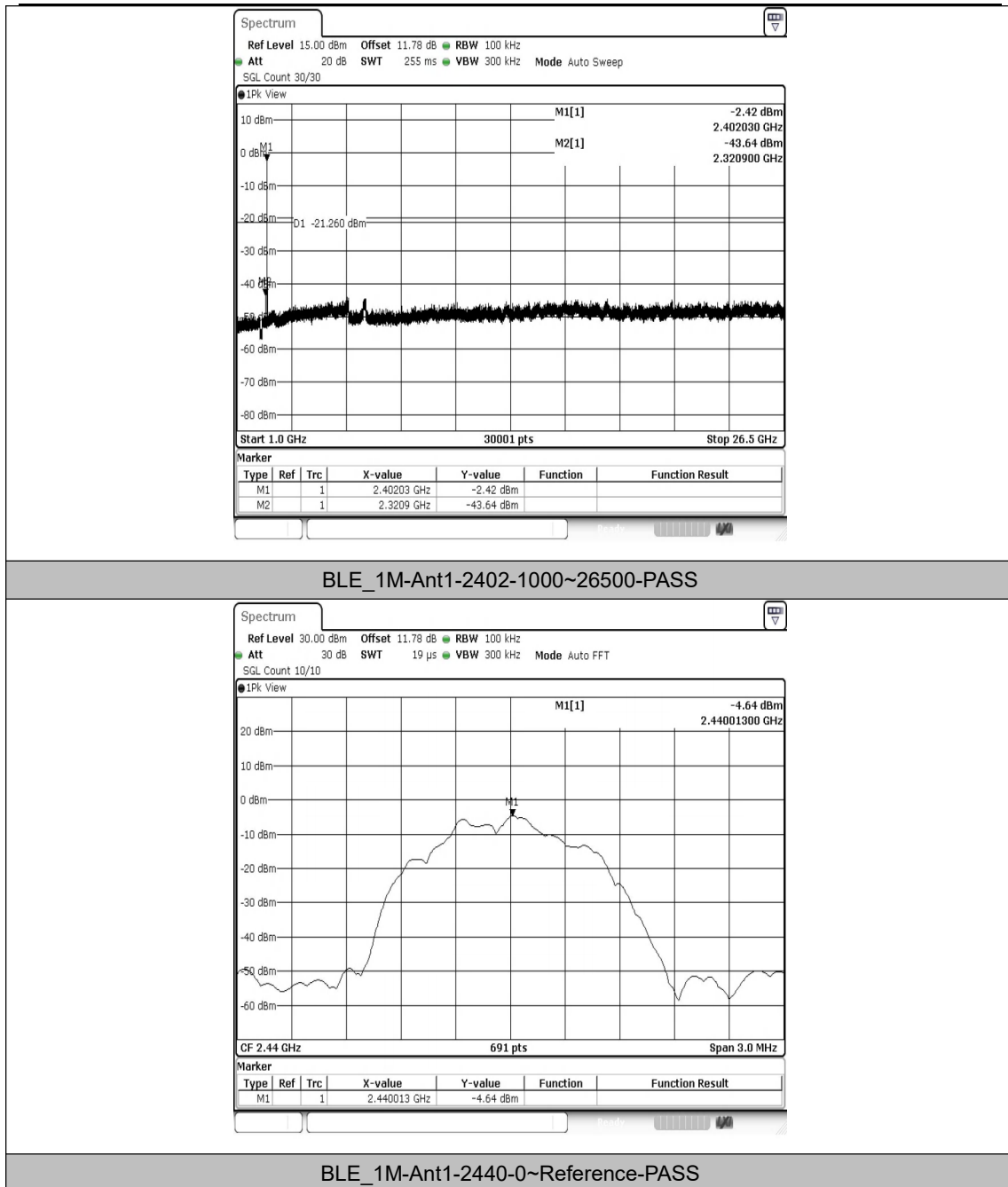


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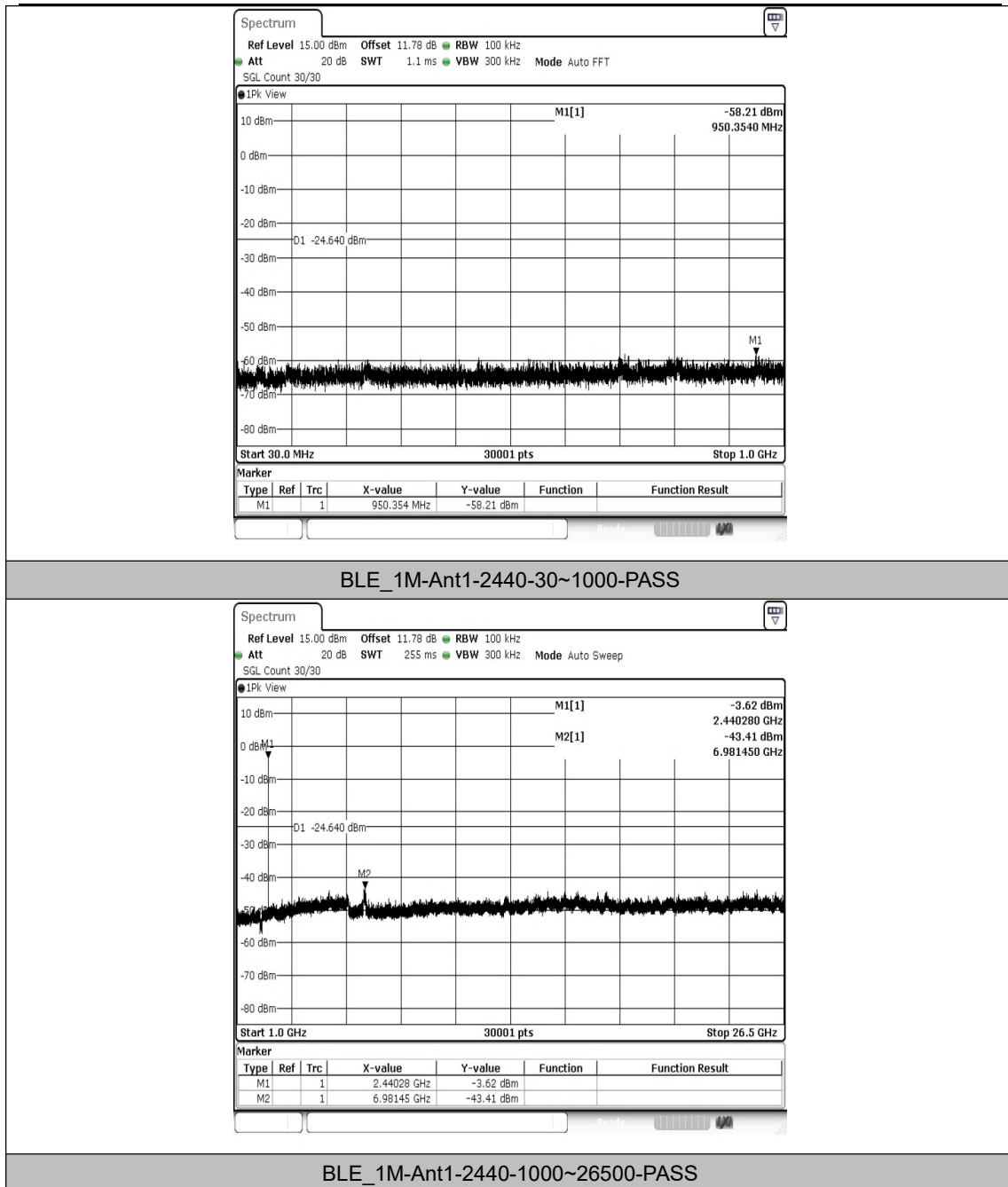


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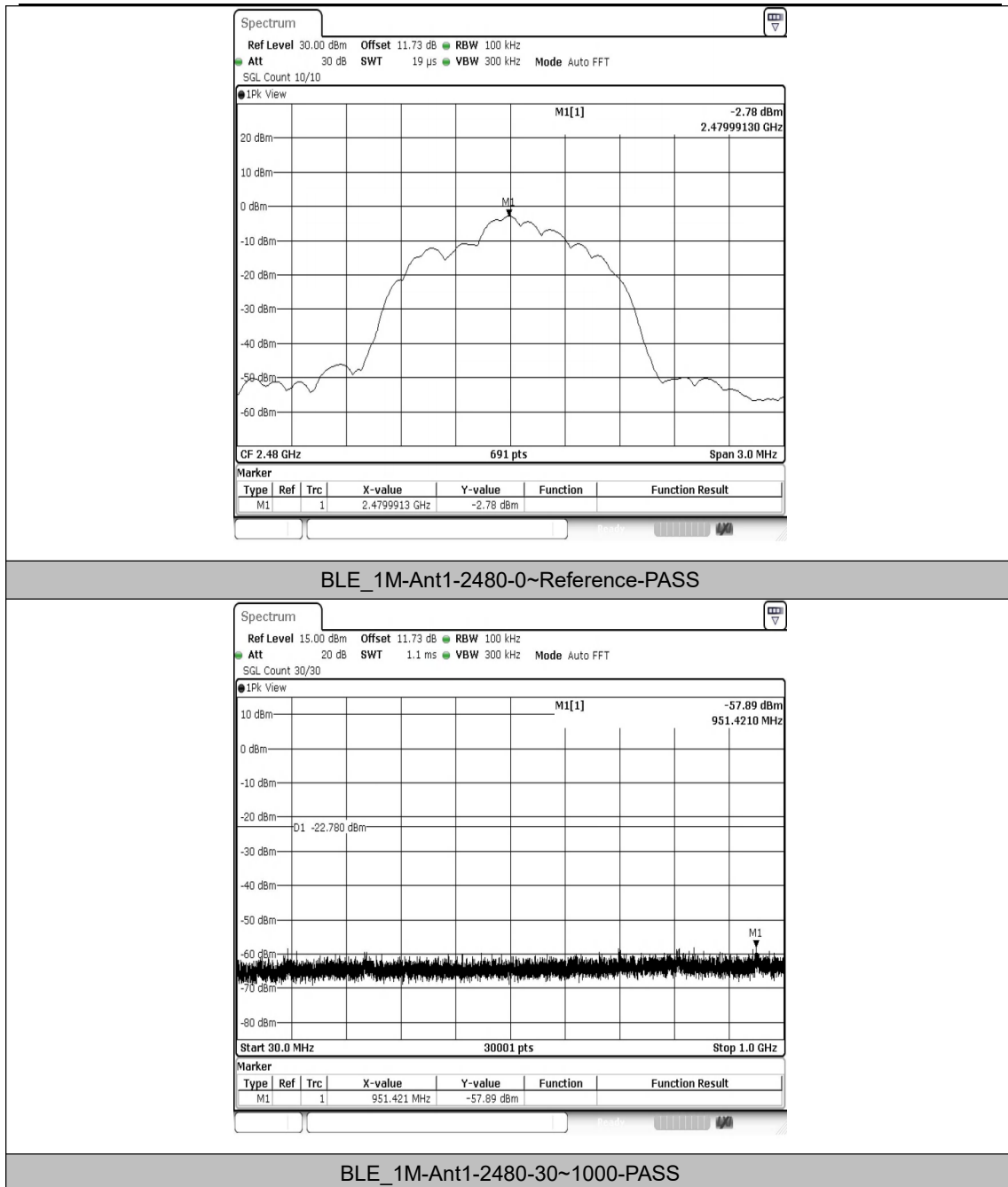


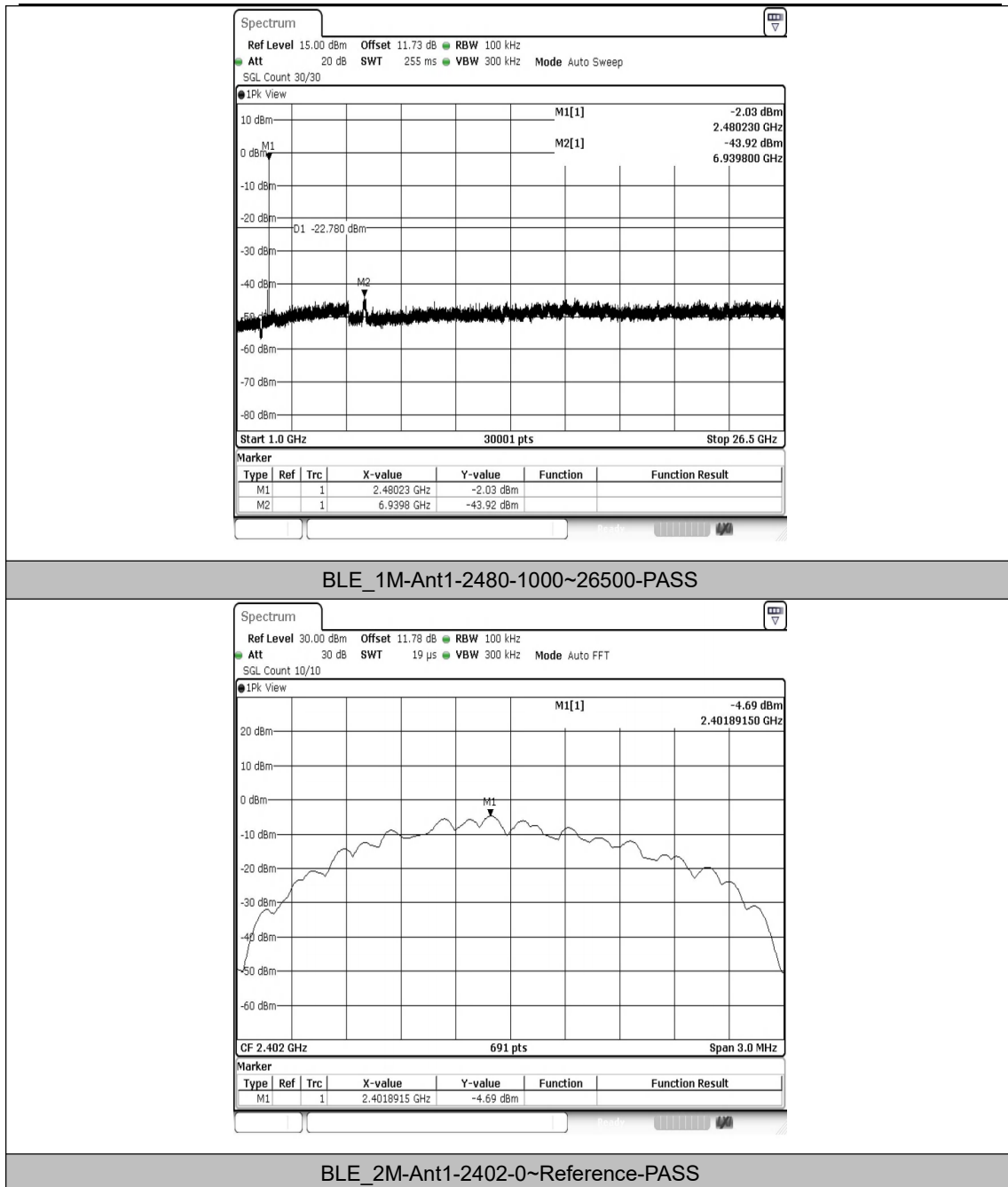
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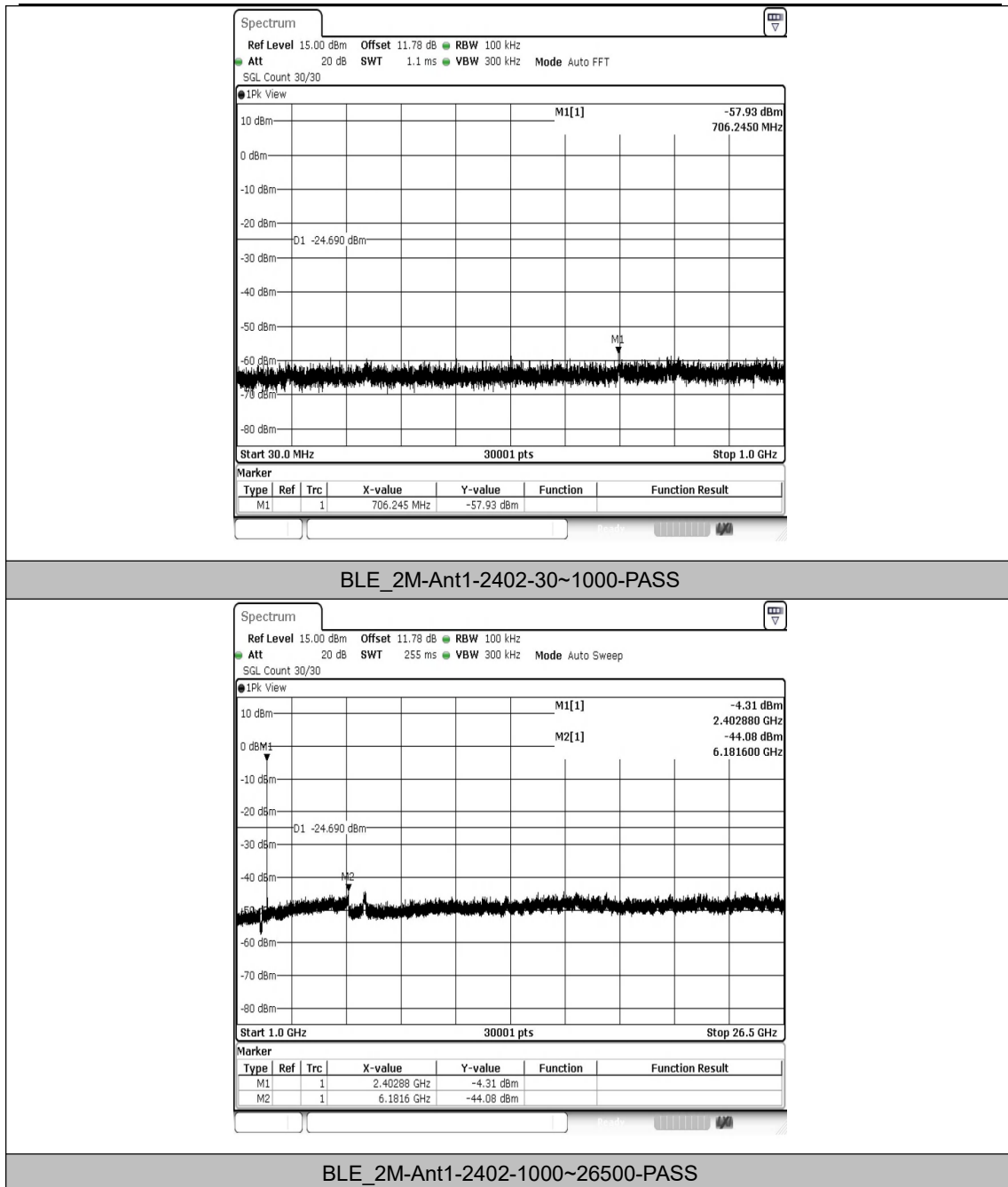


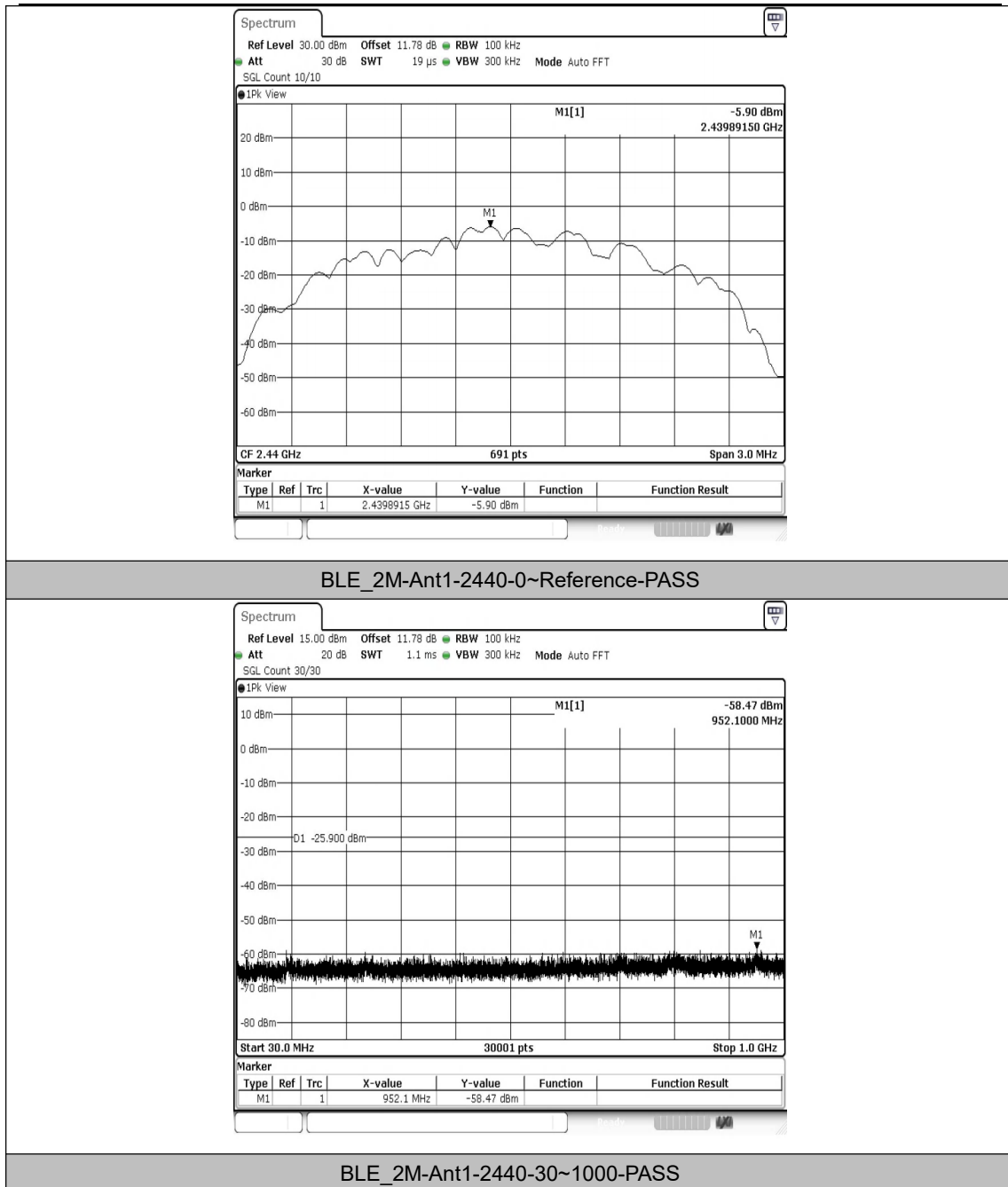
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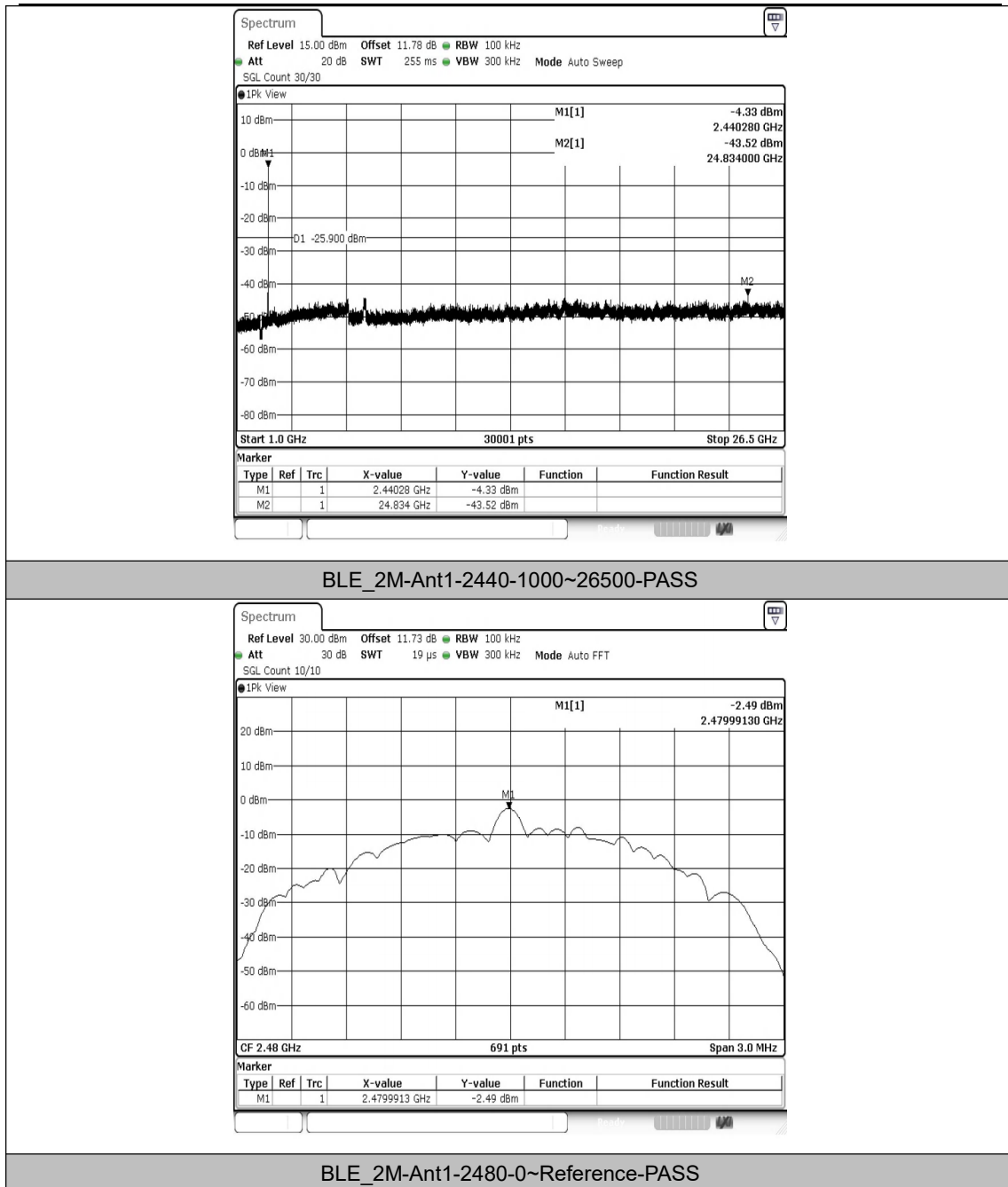
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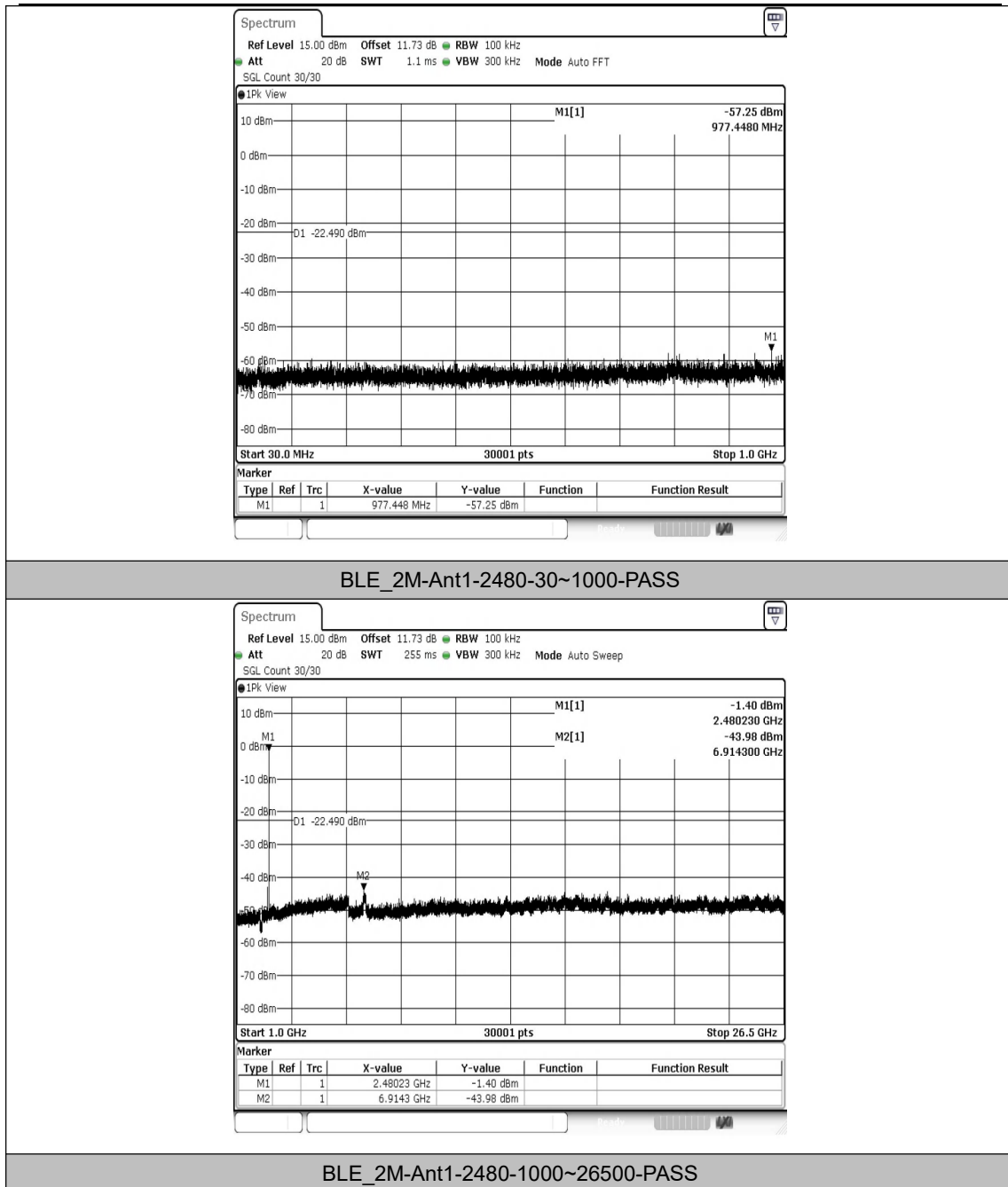


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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.10	2.50	84.00	0.76
BLE_1M	Ant1	2440	2.10	2.50	84.00	0.76
BLE_1M	Ant1	2480	2.10	2.51	83.67	0.77
BLE_2M	Ant1	2402	1.06	1.87	56.68	2.47
BLE_2M	Ant1	2440	1.06	1.88	56.38	2.49
BLE_2M	Ant1	2480	1.06	1.88	56.38	2.49

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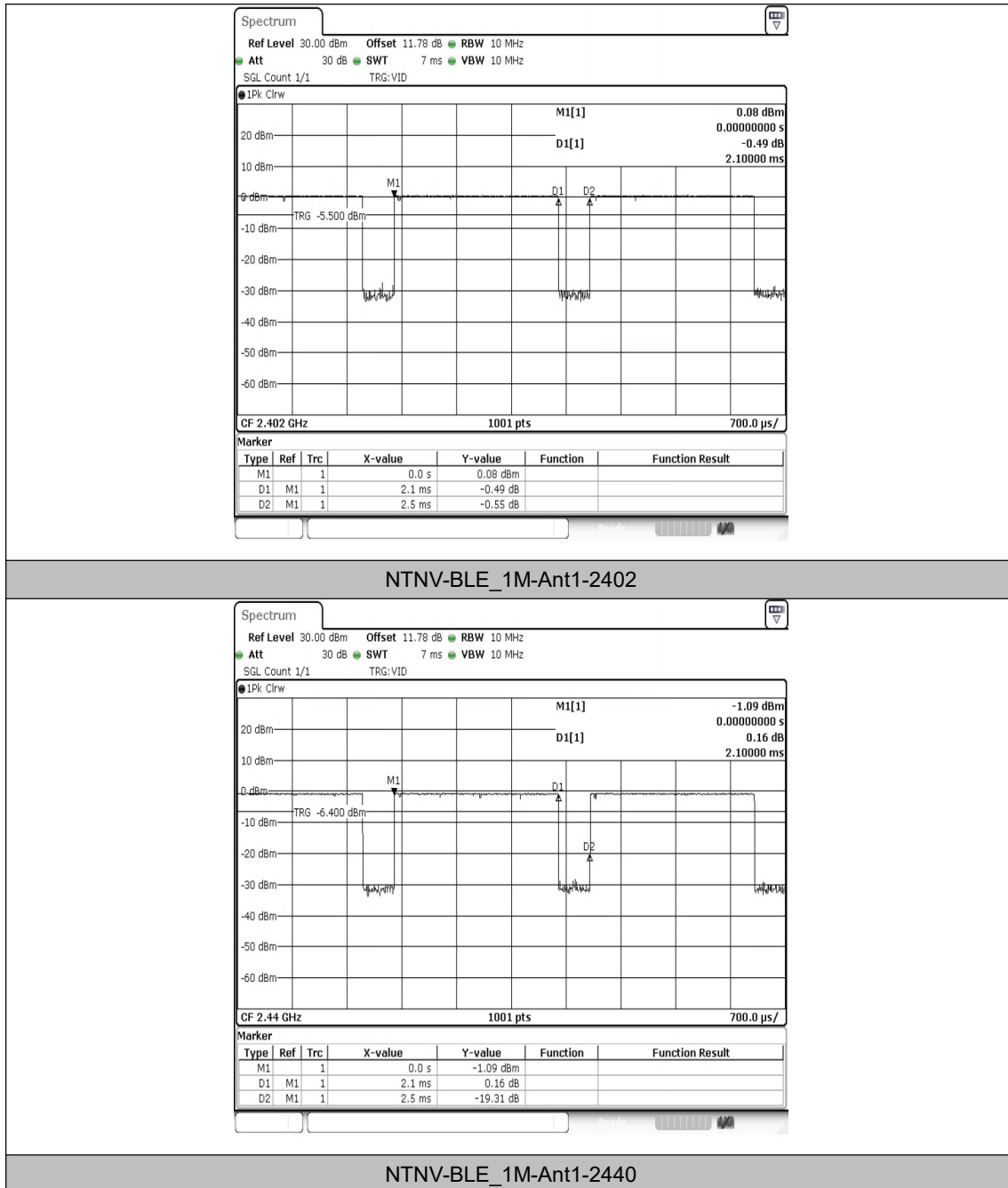
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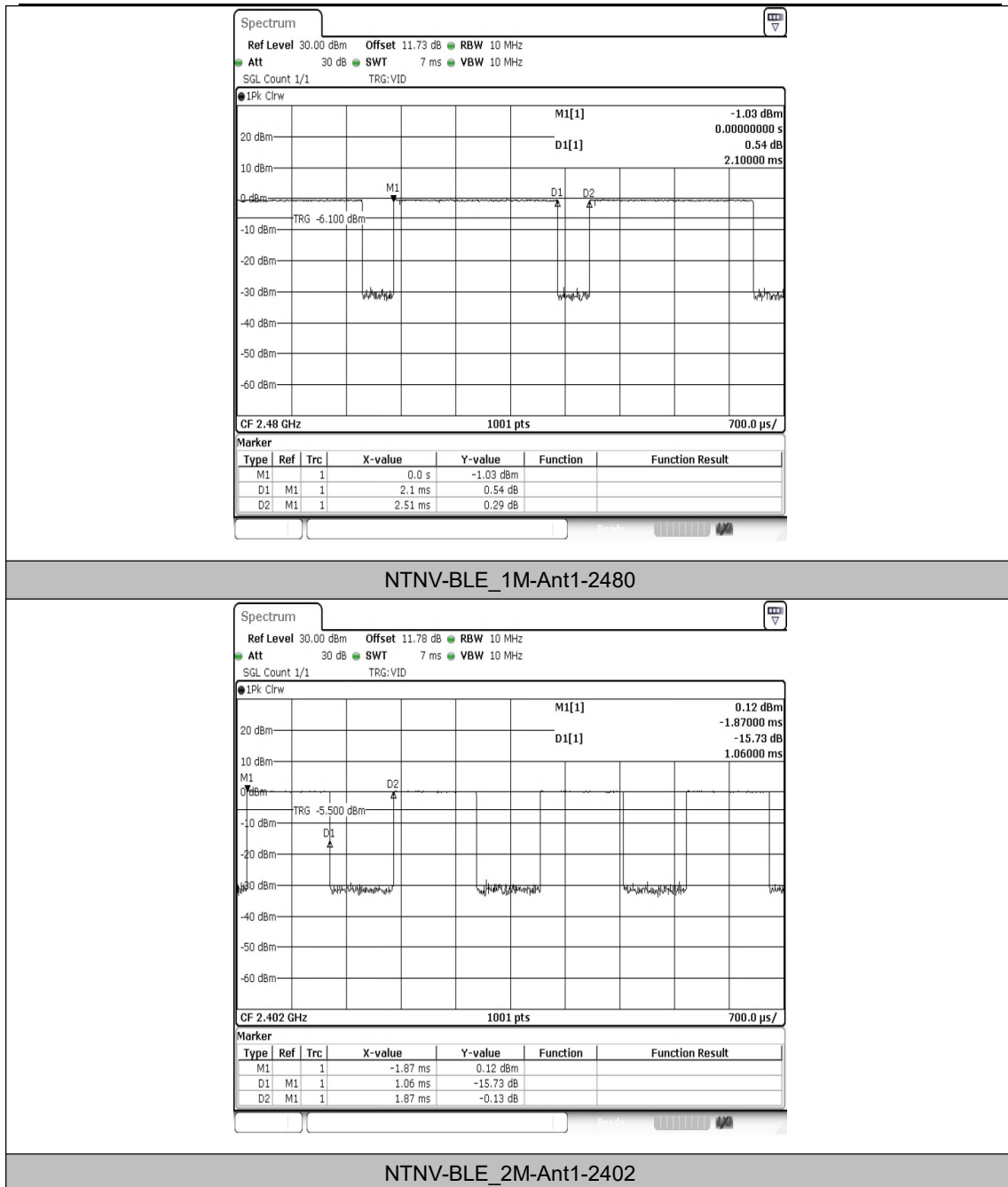


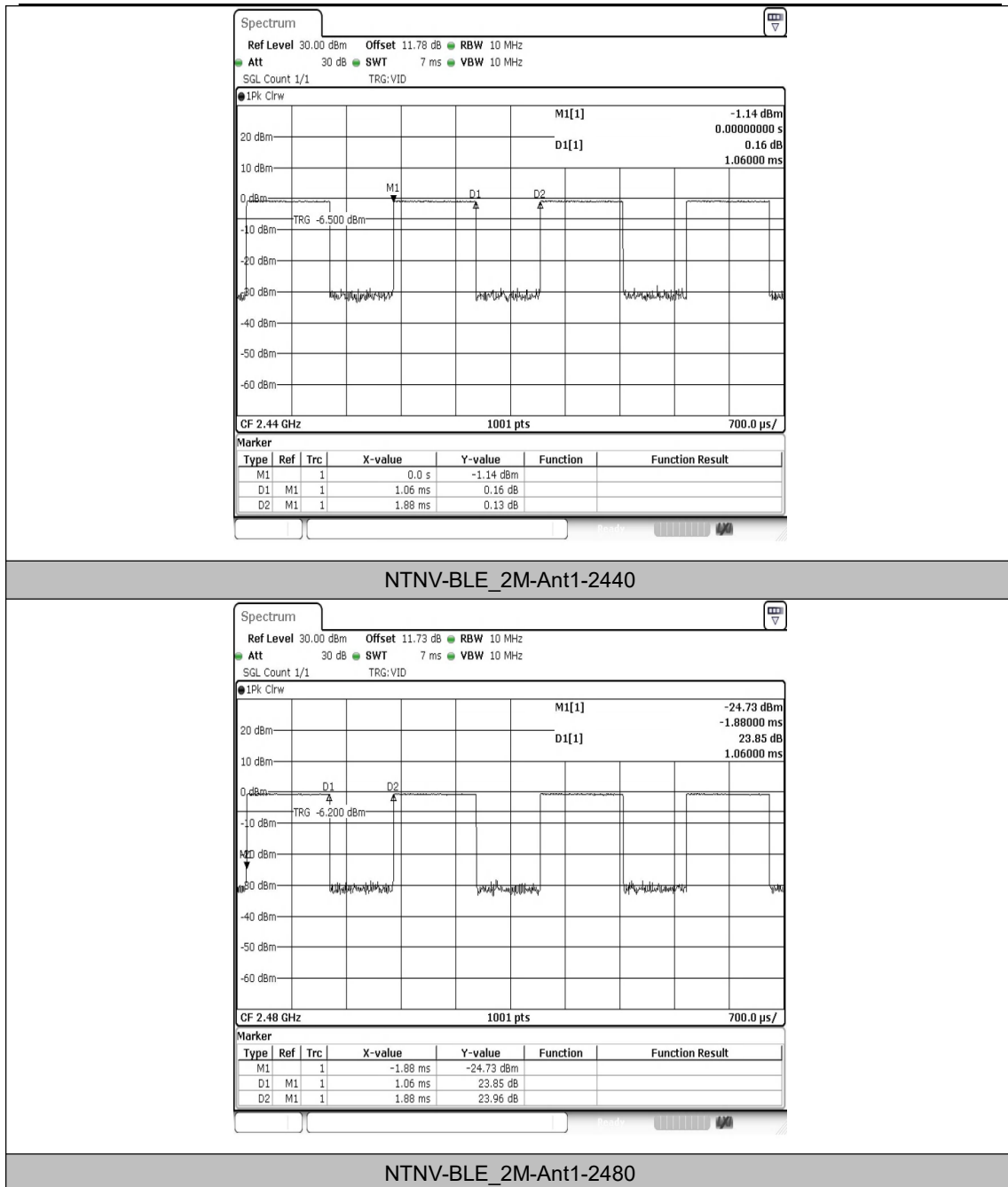
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Test Graphs







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