

Appendix Test Data

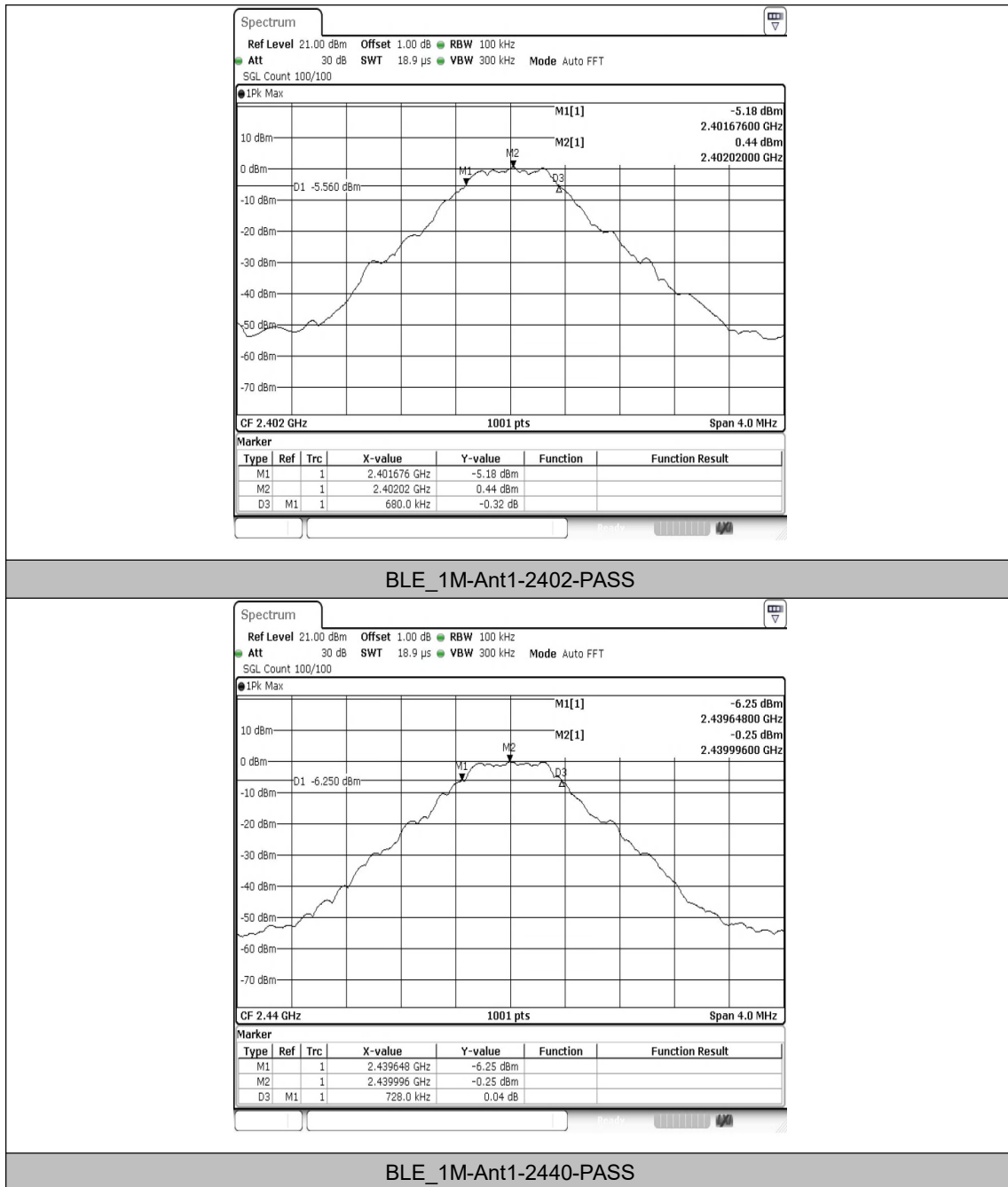
Report No.:	1813C50250212501	Test Sample No.:	1-2-2
Start Test Date:	2025-6-6	Finish Test Date:	2025-6-23
Test Engineer:	Hansen Guan	Auditor:	Justin Feng
Temperature:	27°C	Relative Humidity:	52%
Pressure:	101kPa		

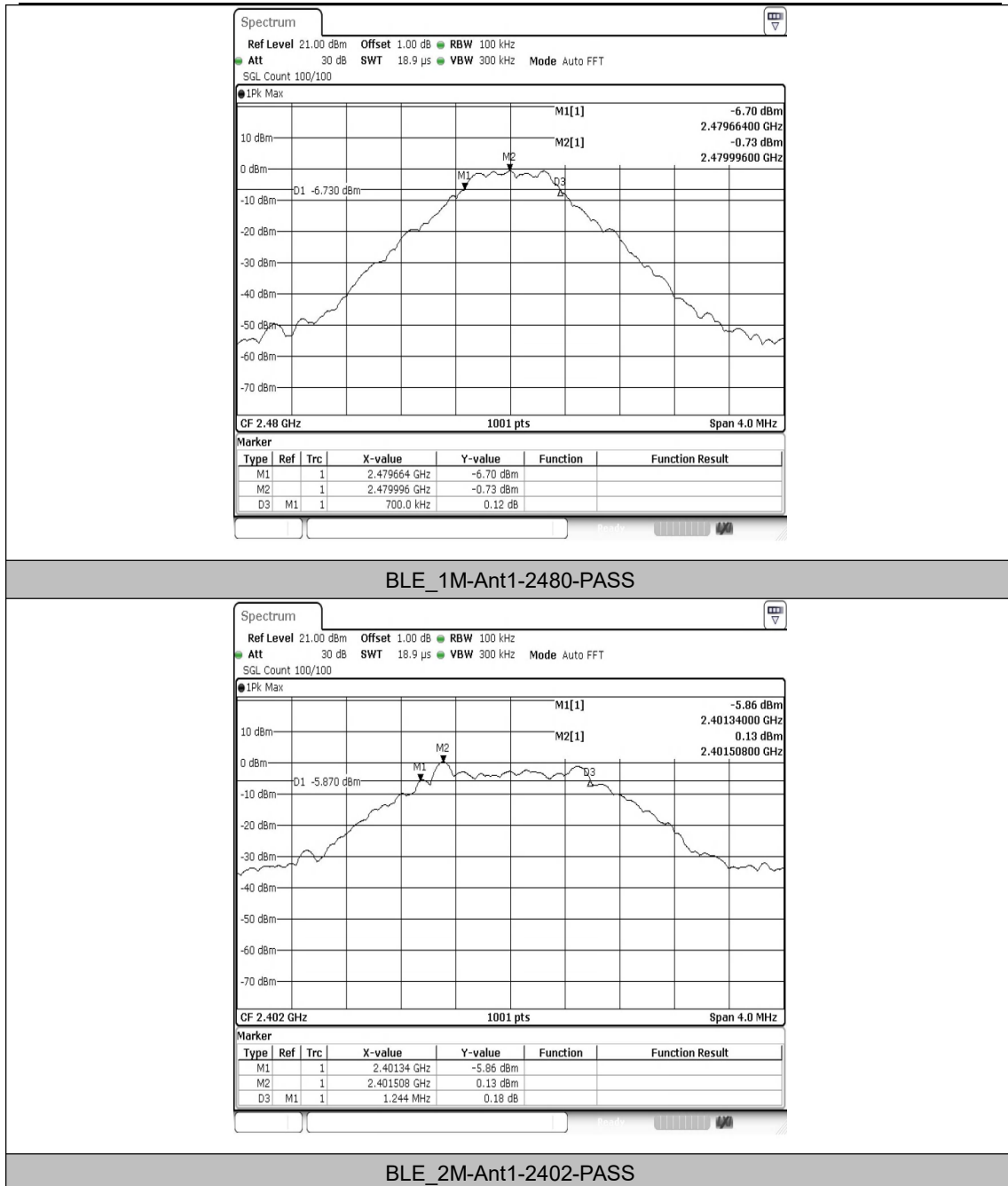
Appendix A: 6dB Bandwidth

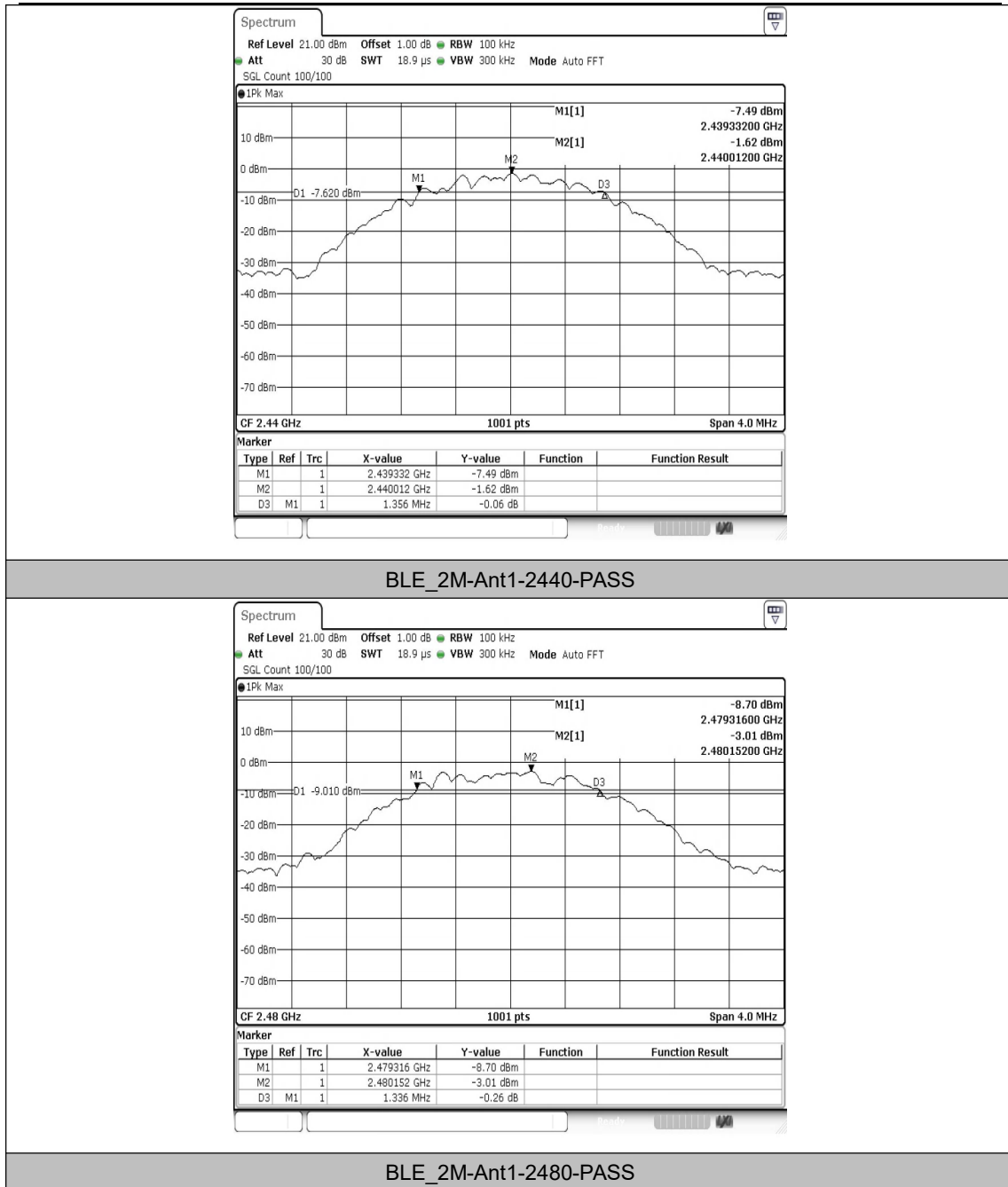
Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.68	2401.68	2402.36	0.5	PASS
BLE_1M	Ant1	2440	0.73	2439.65	2440.38	0.5	PASS
BLE_1M	Ant1	2480	0.70	2479.66	2480.36	0.5	PASS
BLE_2M	Ant1	2402	1.24	2401.34	2402.58	0.5	PASS
BLE_2M	Ant1	2440	1.36	2439.33	2440.69	0.5	PASS
BLE_2M	Ant1	2480	1.34	2479.32	2480.65	0.5	PASS

Test Graphs







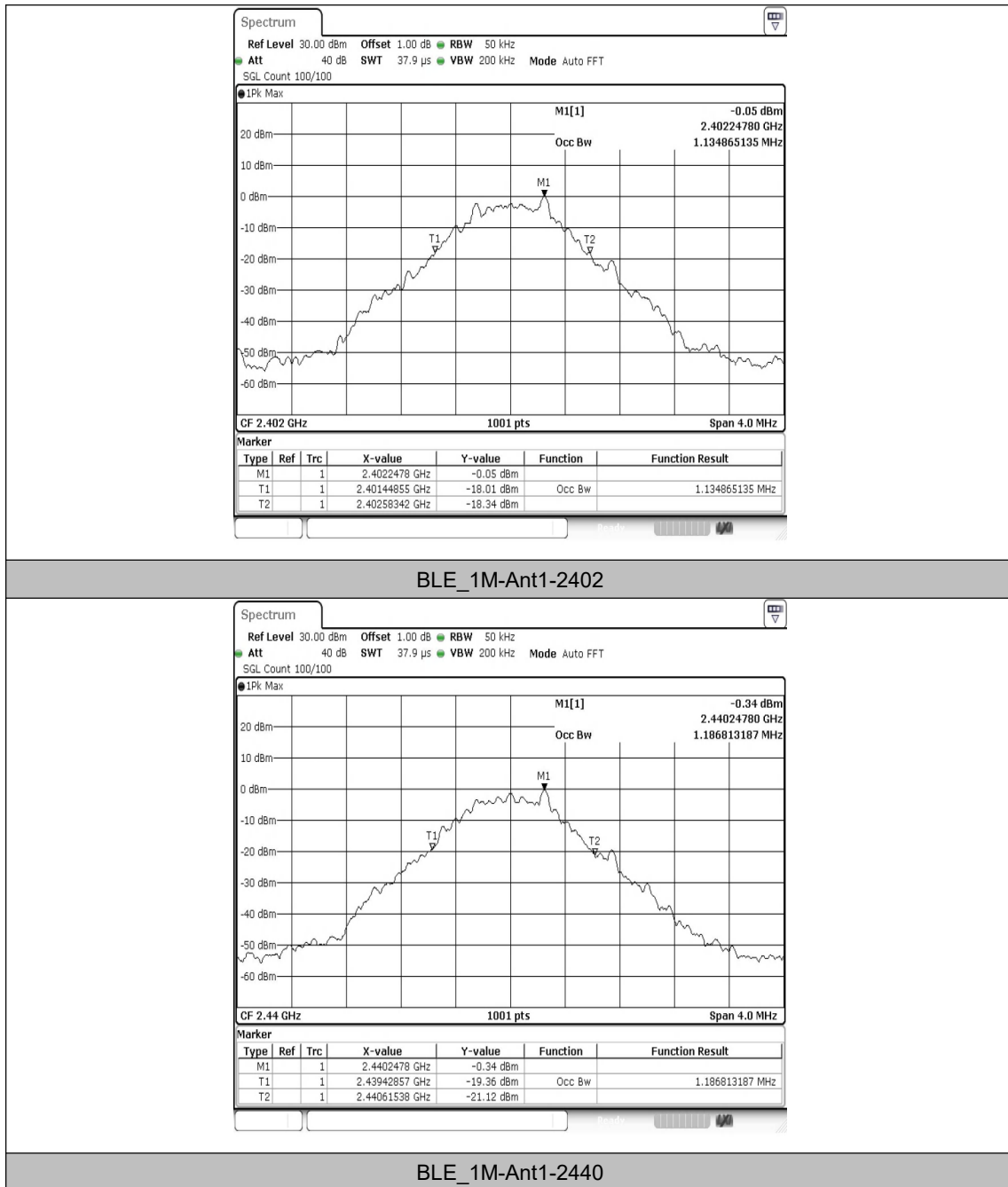
Appendix B: 99% Occupied Bandwidth

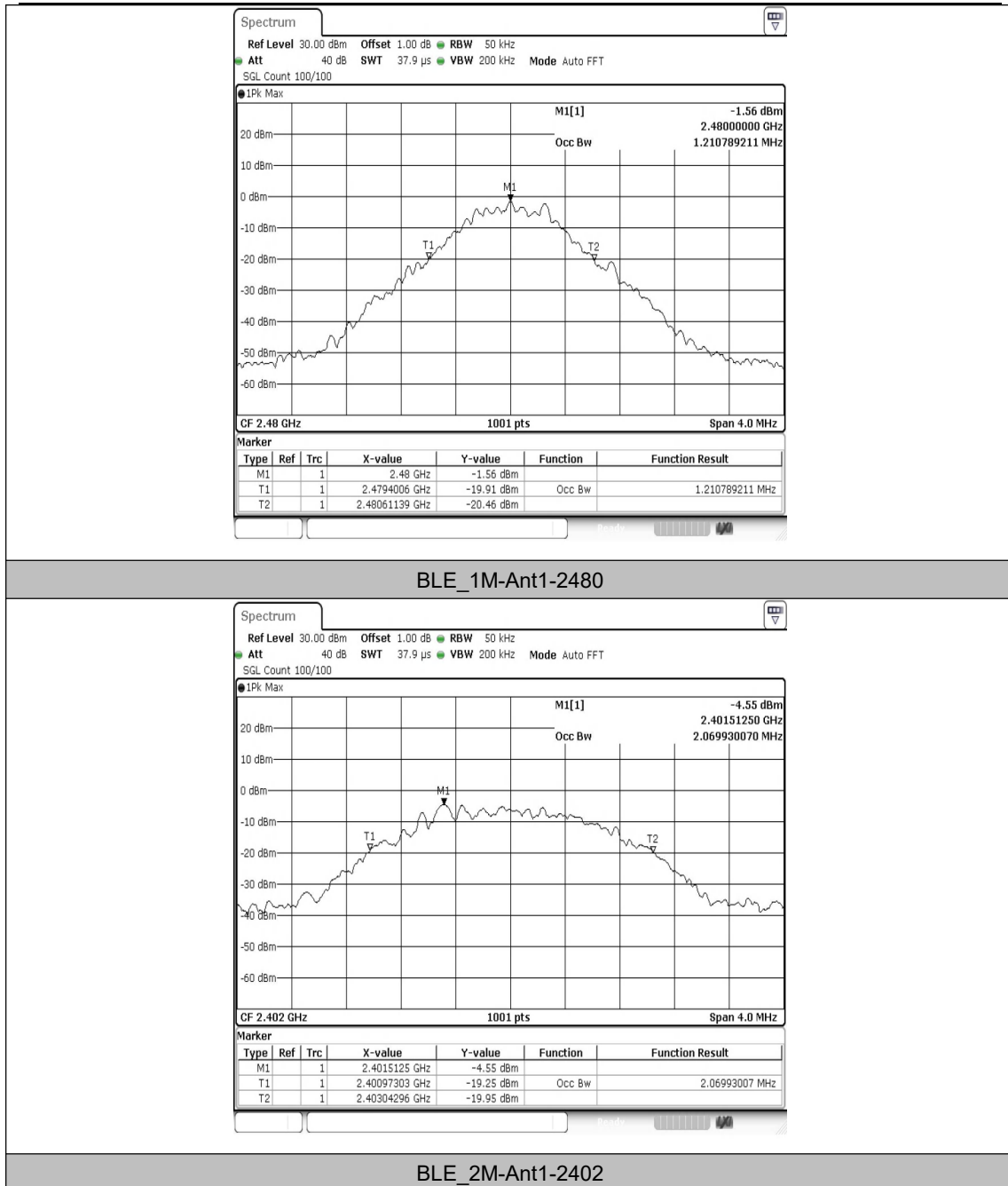
Test Result

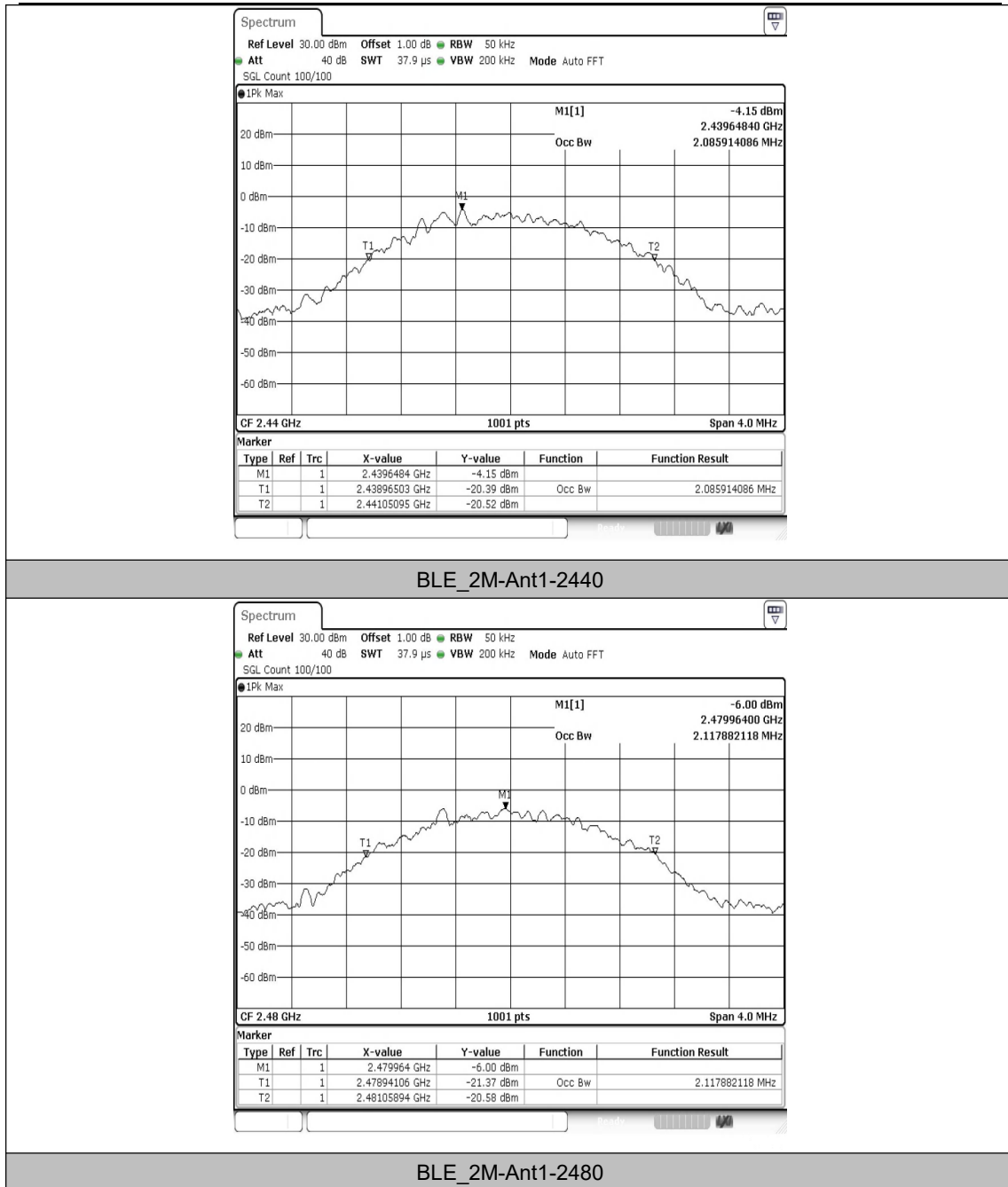
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.1349	2401.4486	2402.5834	---	---
BLE_1M	Ant1	2440	1.1868	2439.4286	2440.6154	---	---
BLE_1M	Ant1	2480	1.2108	2479.4006	2480.6114	---	---
BLE_2M	Ant1	2402	2.0699	2400.9730	2403.0430	---	---
BLE_2M	Ant1	2440	2.0859	2438.9650	2441.0509	---	---
BLE_2M	Ant1	2480	2.1179	2478.9411	2481.0589	---	---

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Test Graphs





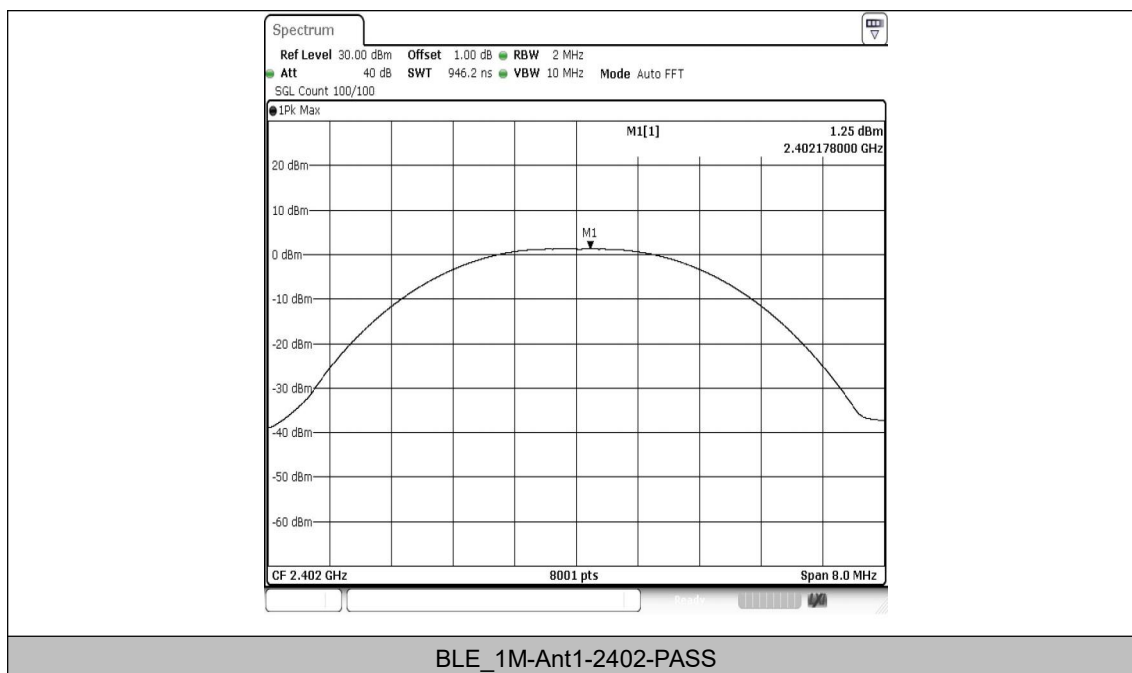


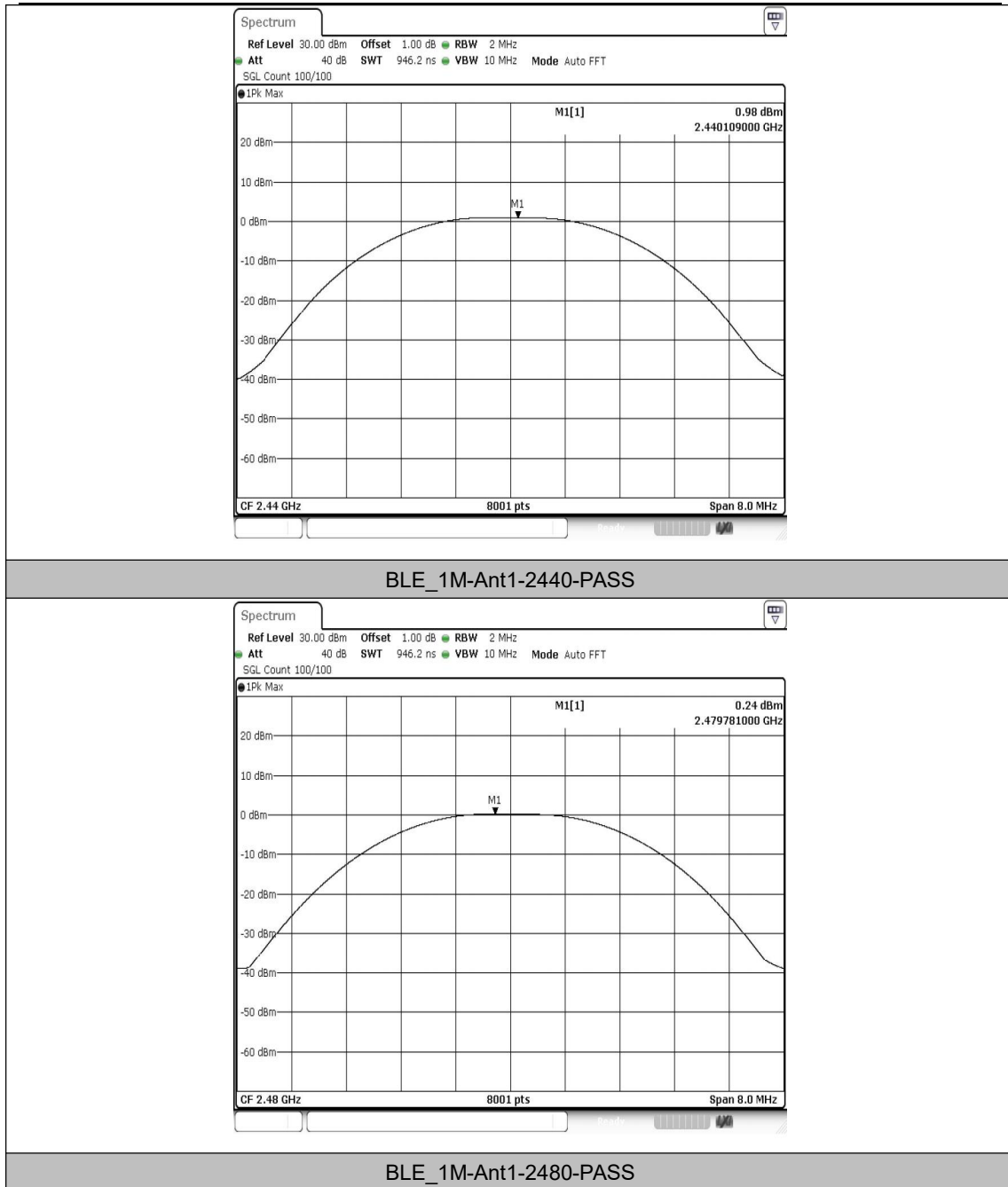
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.25	≤30	PASS
BLE_1M	Ant1	2440	0.98	≤30	PASS
BLE_1M	Ant1	2480	0.24	≤30	PASS
BLE_2M	Ant1	2402	1.34	≤30	PASS
BLE_2M	Ant1	2440	1.11	≤30	PASS
BLE_2M	Ant1	2480	0.33	≤30	PASS

Test Graphs Peak

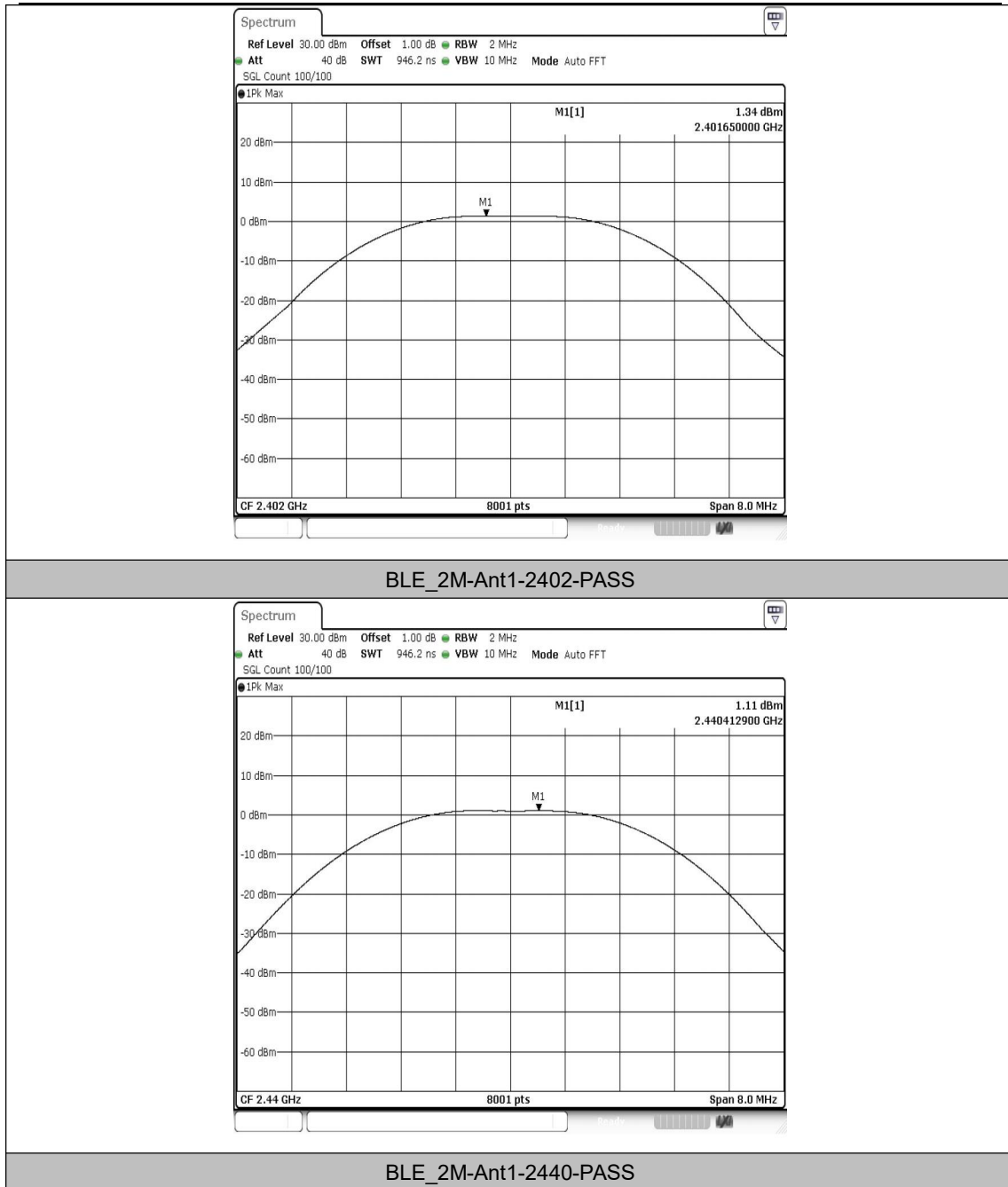




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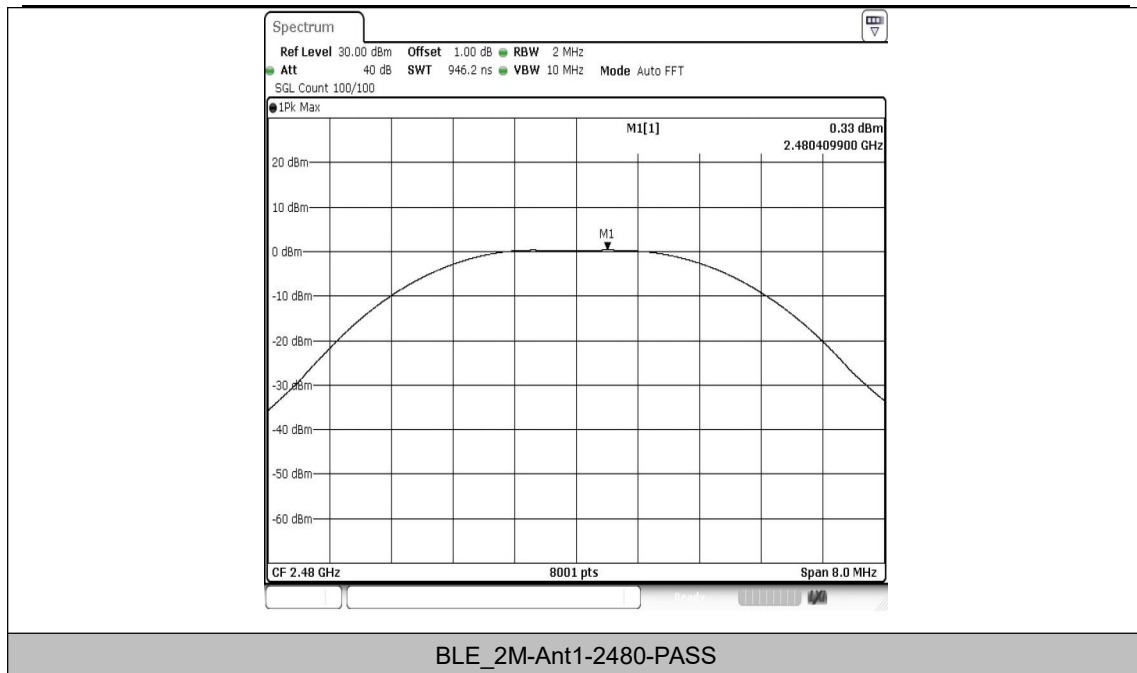
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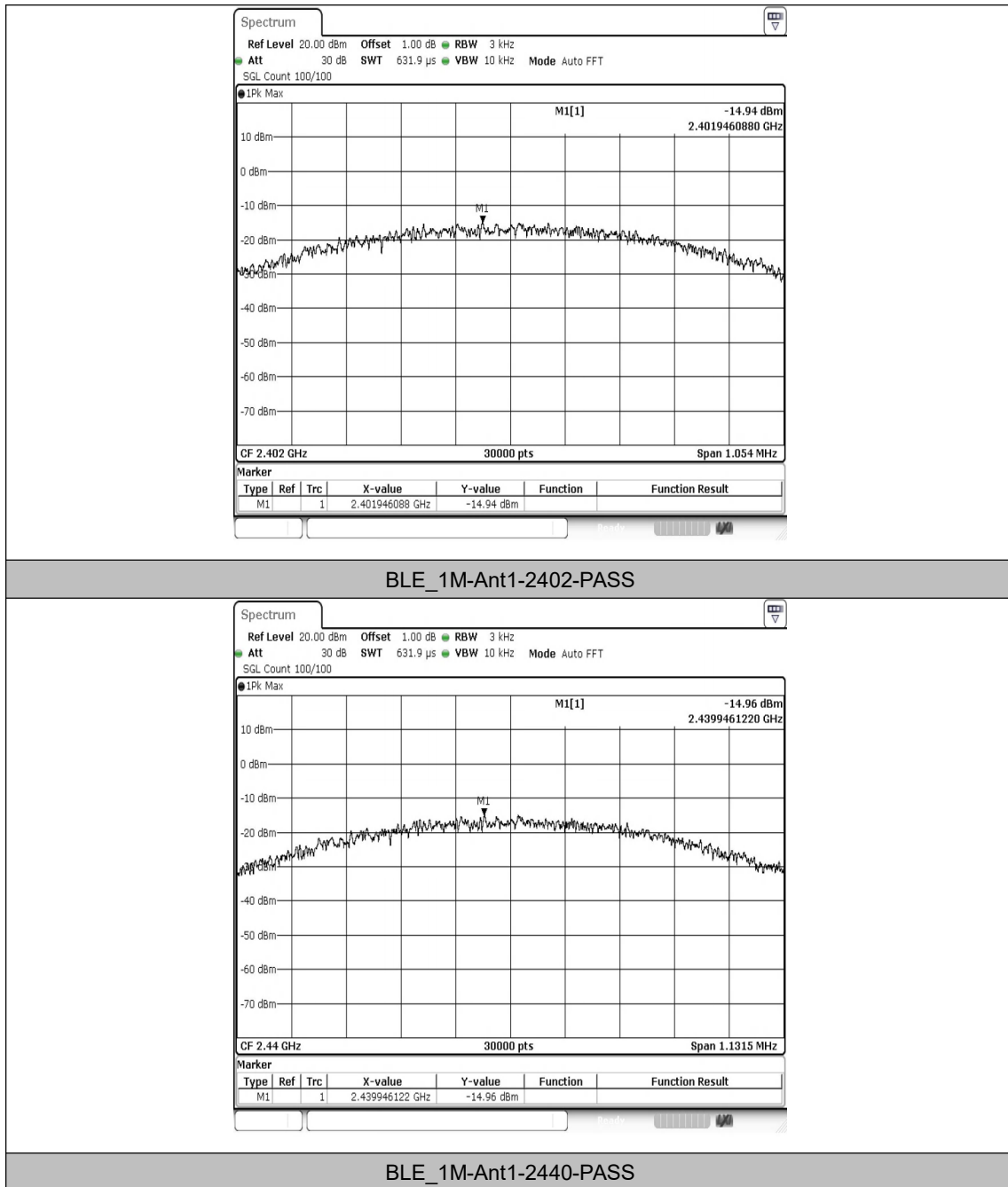
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.94	≤8.00	PASS
BLE_1M	Ant1	2440	-14.96	≤8.00	PASS
BLE_1M	Ant1	2480	-16.03	≤8.00	PASS
BLE_2M	Ant1	2402	-18.14	≤8.00	PASS
BLE_2M	Ant1	2440	-18.00	≤8.00	PASS
BLE_2M	Ant1	2480	-18.60	≤8.00	PASS

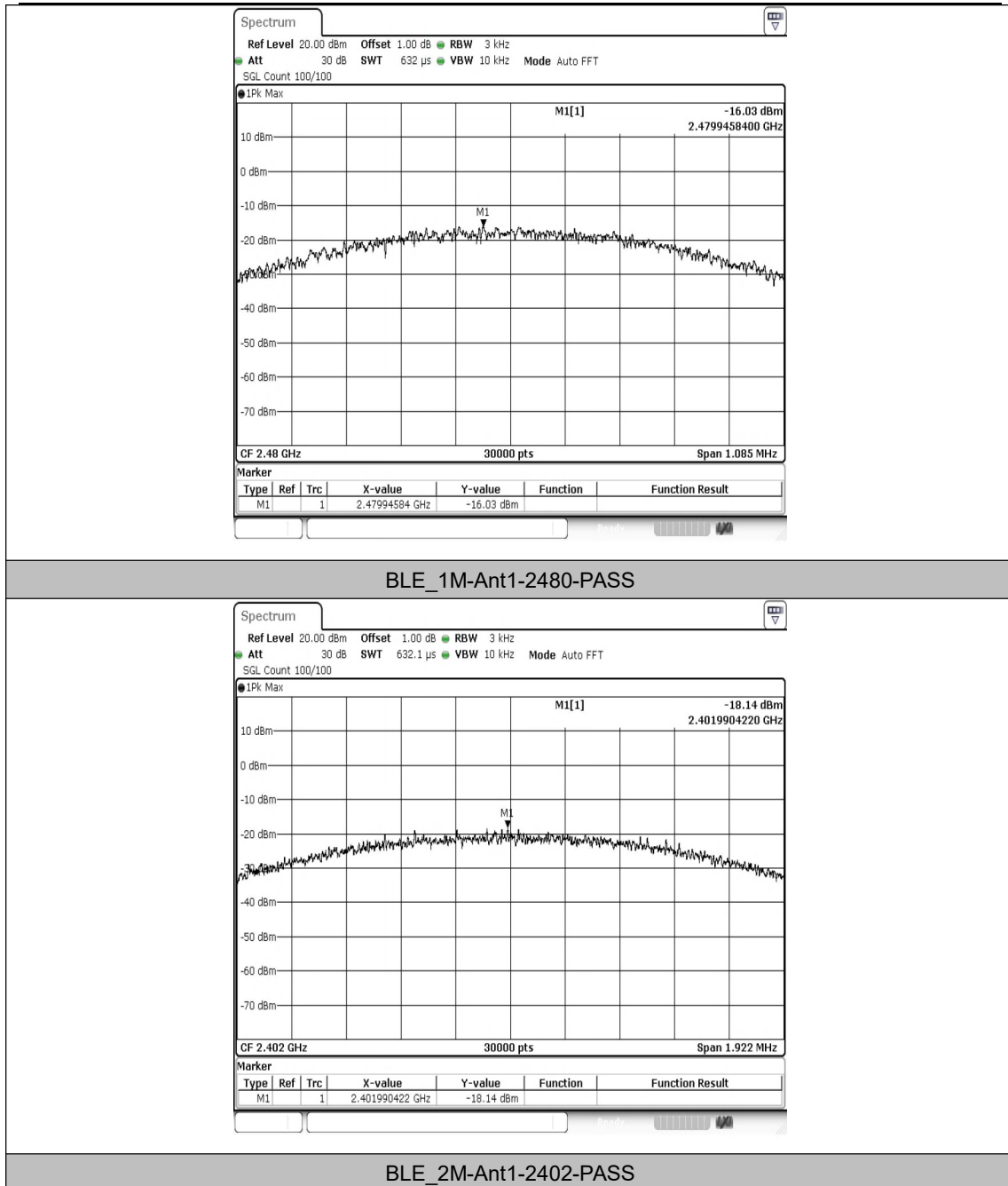
Test Graphs



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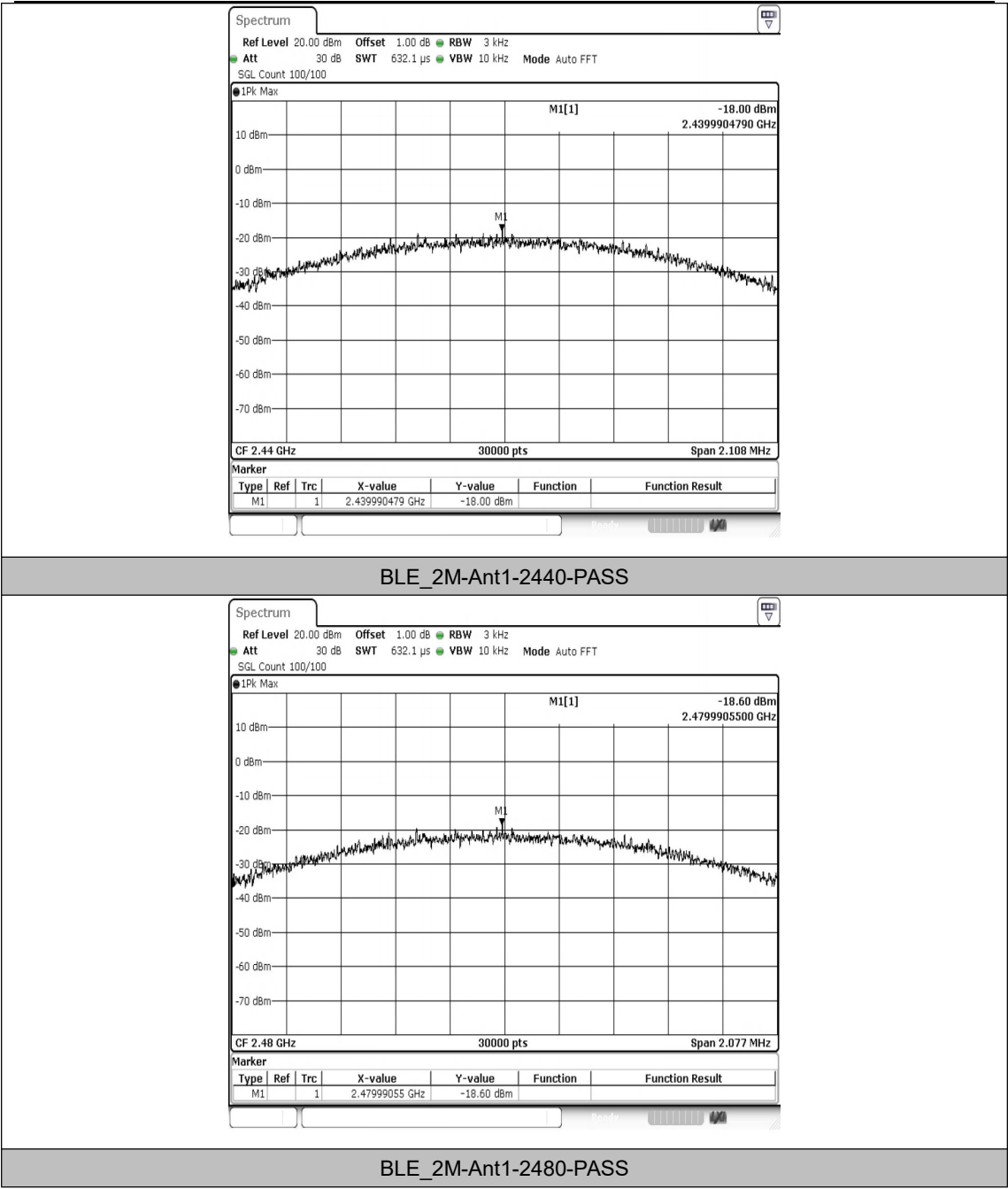
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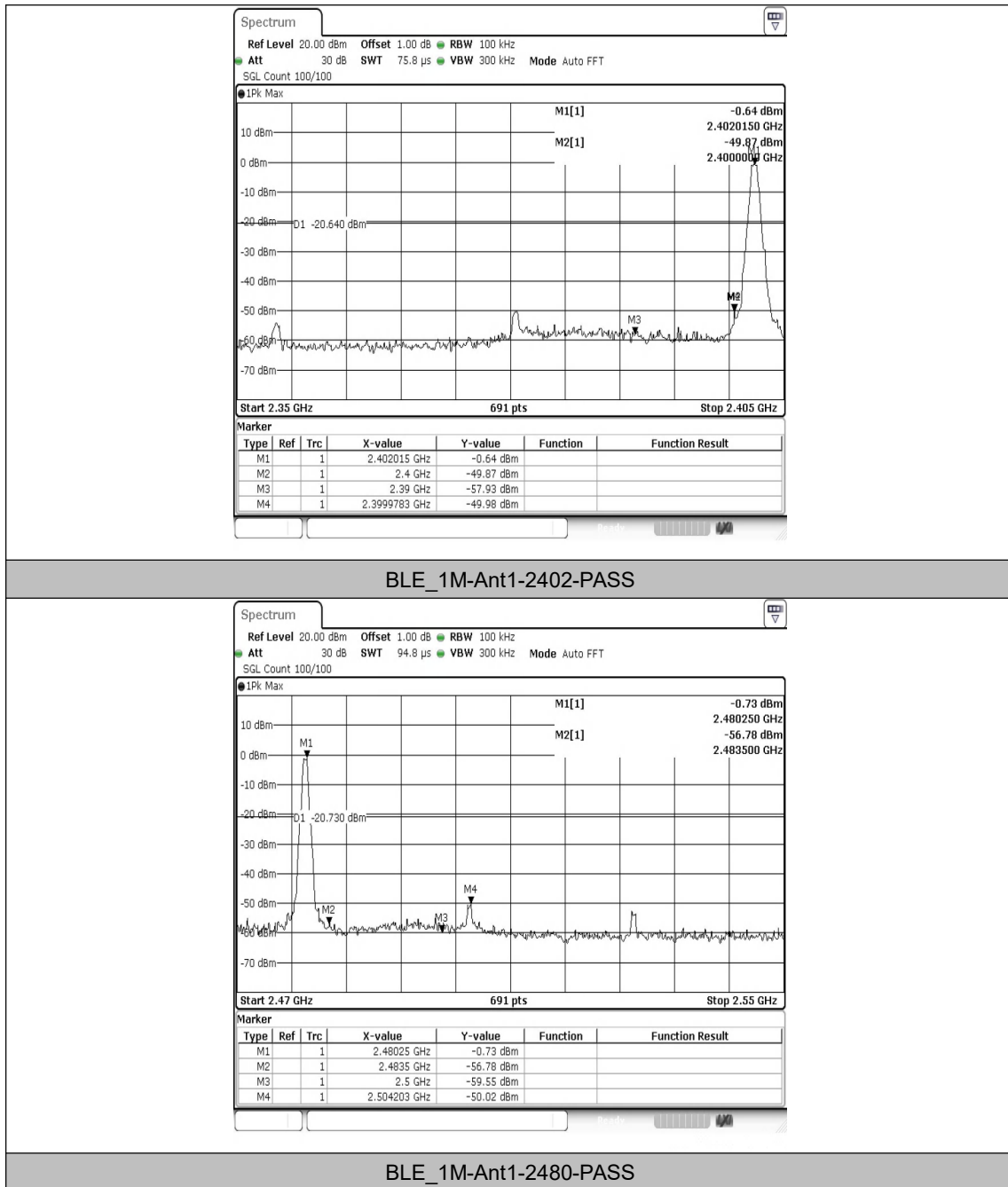
Appendix E: Band edge measurements

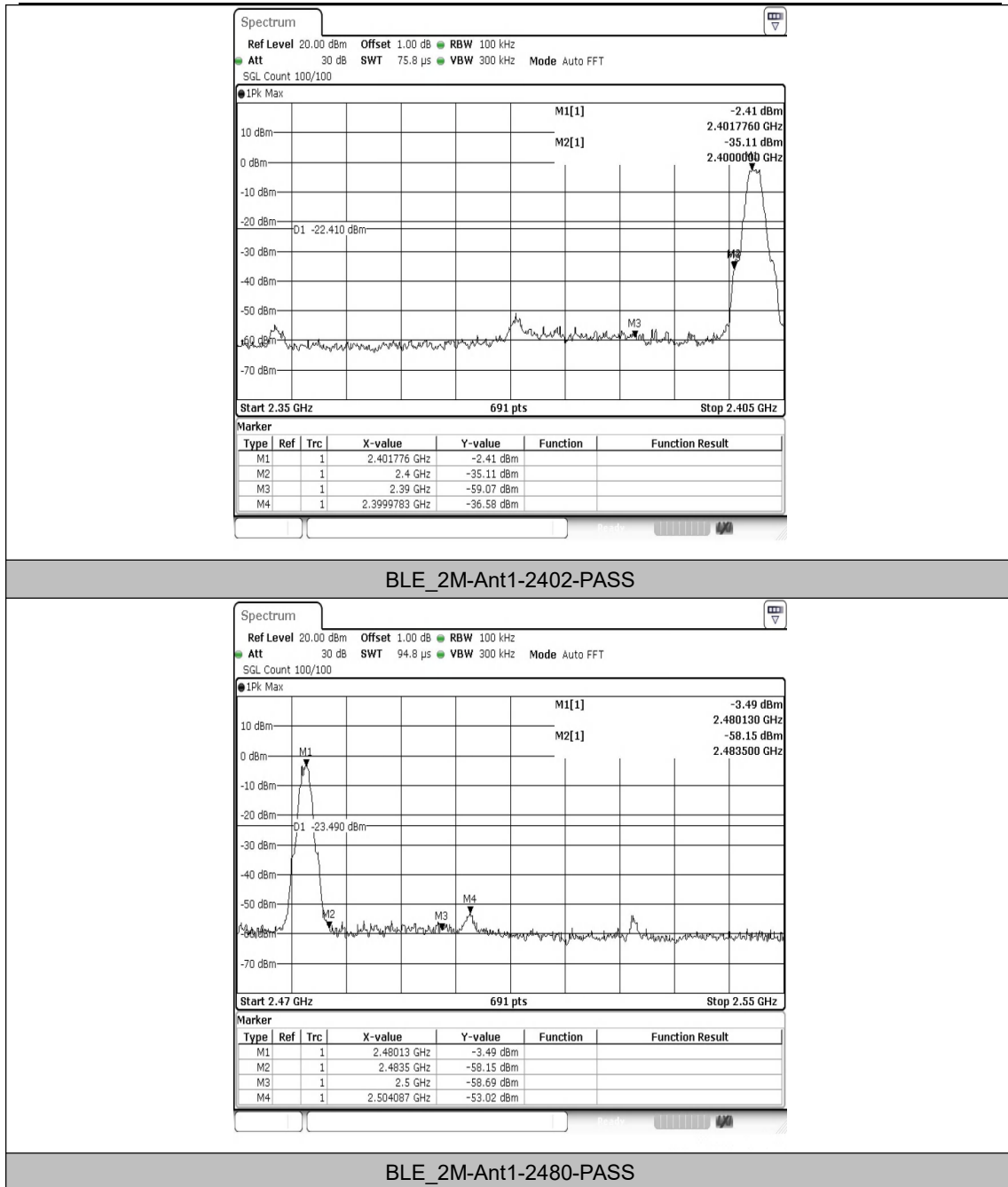
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.64	-49.98	≤-20.64	PASS
BLE_1M	Ant1	High	2480	-0.73	-50.02	≤-20.73	PASS
BLE_2M	Ant1	Low	2402	-2.41	-36.58	≤-22.41	PASS
BLE_2M	Ant1	High	2480	-3.49	-53.02	≤-23.49	PASS

Remark:1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

Test Graphs





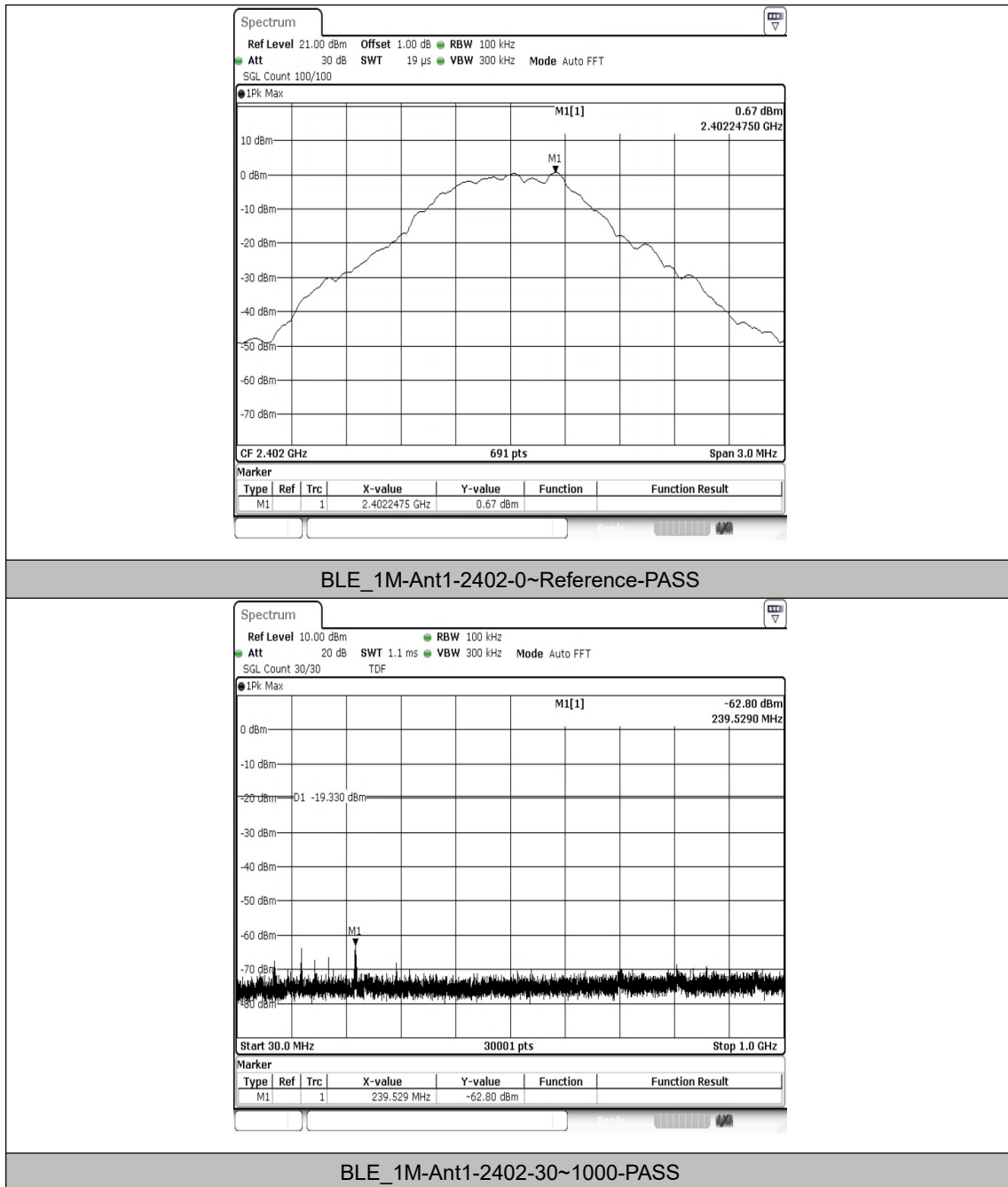
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	0.67	0.67	---	PASS
BLE_1M	Ant1	2402	30~1000	0.67	-62.8	≤-19.33	PASS
BLE_1M	Ant1	2402	1000~26500	0.67	-41.17	≤-19.33	PASS
BLE_1M	Ant1	2440	0~Reference	-0.66	-0.66	---	PASS
BLE_1M	Ant1	2440	30~1000	-0.66	-65.28	≤-20.66	PASS
BLE_1M	Ant1	2440	1000~26500	-0.66	-40.01	≤-20.66	PASS
BLE_1M	Ant1	2480	0~Reference	-0.21	-0.21	---	PASS
BLE_1M	Ant1	2480	30~1000	-0.21	-65.43	≤-20.21	PASS
BLE_1M	Ant1	2480	1000~26500	-0.21	-39.88	≤-20.21	PASS
BLE_2M	Ant1	2402	0~Reference	-0.10	-0.10	---	PASS
BLE_2M	Ant1	2402	30~1000	-0.10	-64.61	≤-20.1	PASS
BLE_2M	Ant1	2402	1000~26500	-0.10	-41.19	≤-20.1	PASS
BLE_2M	Ant1	2440	0~Reference	-2.04	-2.04	---	PASS
BLE_2M	Ant1	2440	30~1000	-2.04	-59.01	≤-22.04	PASS
BLE_2M	Ant1	2440	1000~26500	-2.04	-39.14	≤-22.04	PASS
BLE_2M	Ant1	2480	0~Reference	-2.96	-2.96	---	PASS
BLE_2M	Ant1	2480	30~1000	-2.96	-60.02	≤-22.96	PASS
BLE_2M	Ant1	2480	1000~26500	-2.96	-40.36	≤-22.96	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.

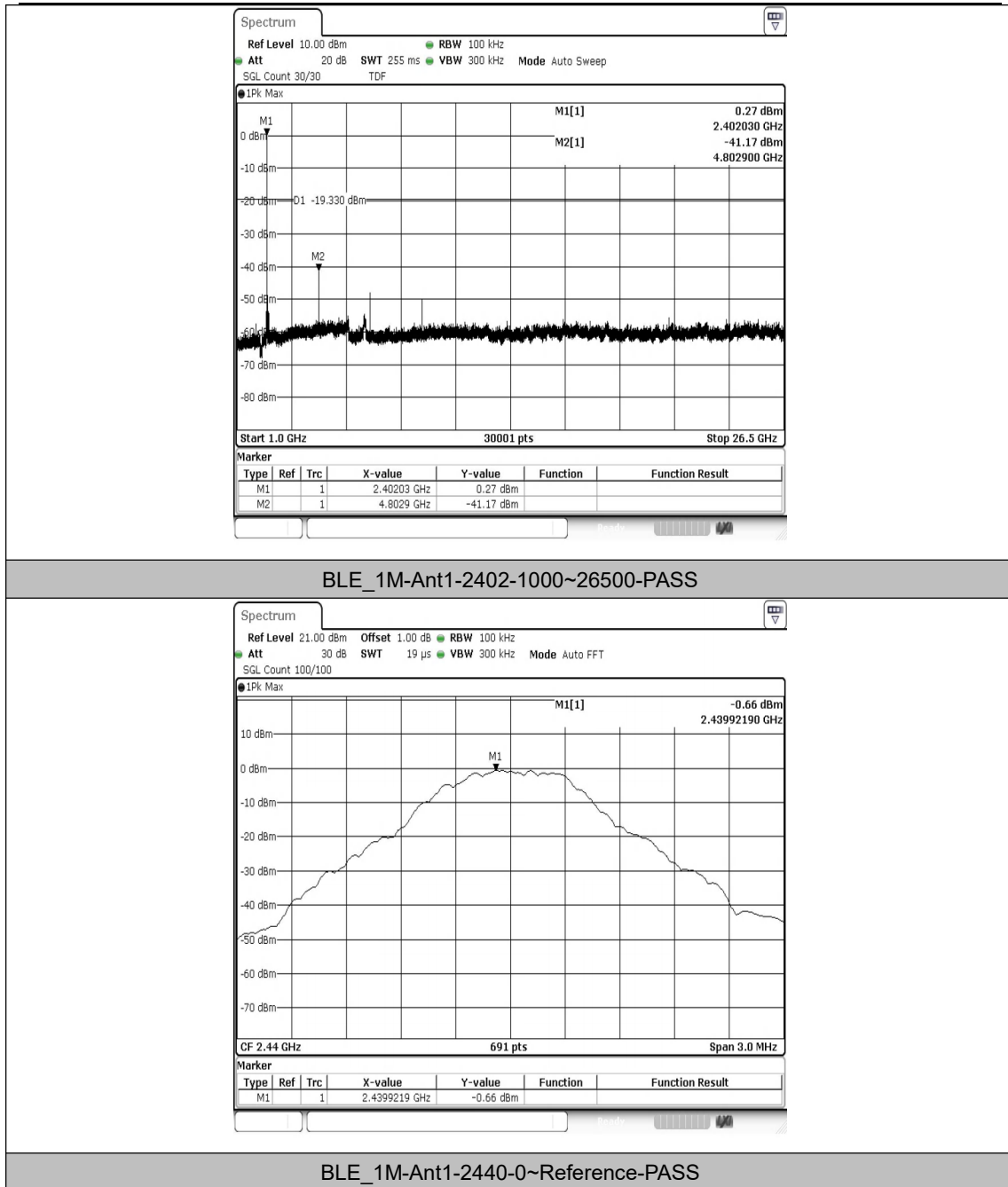
Test Graphs

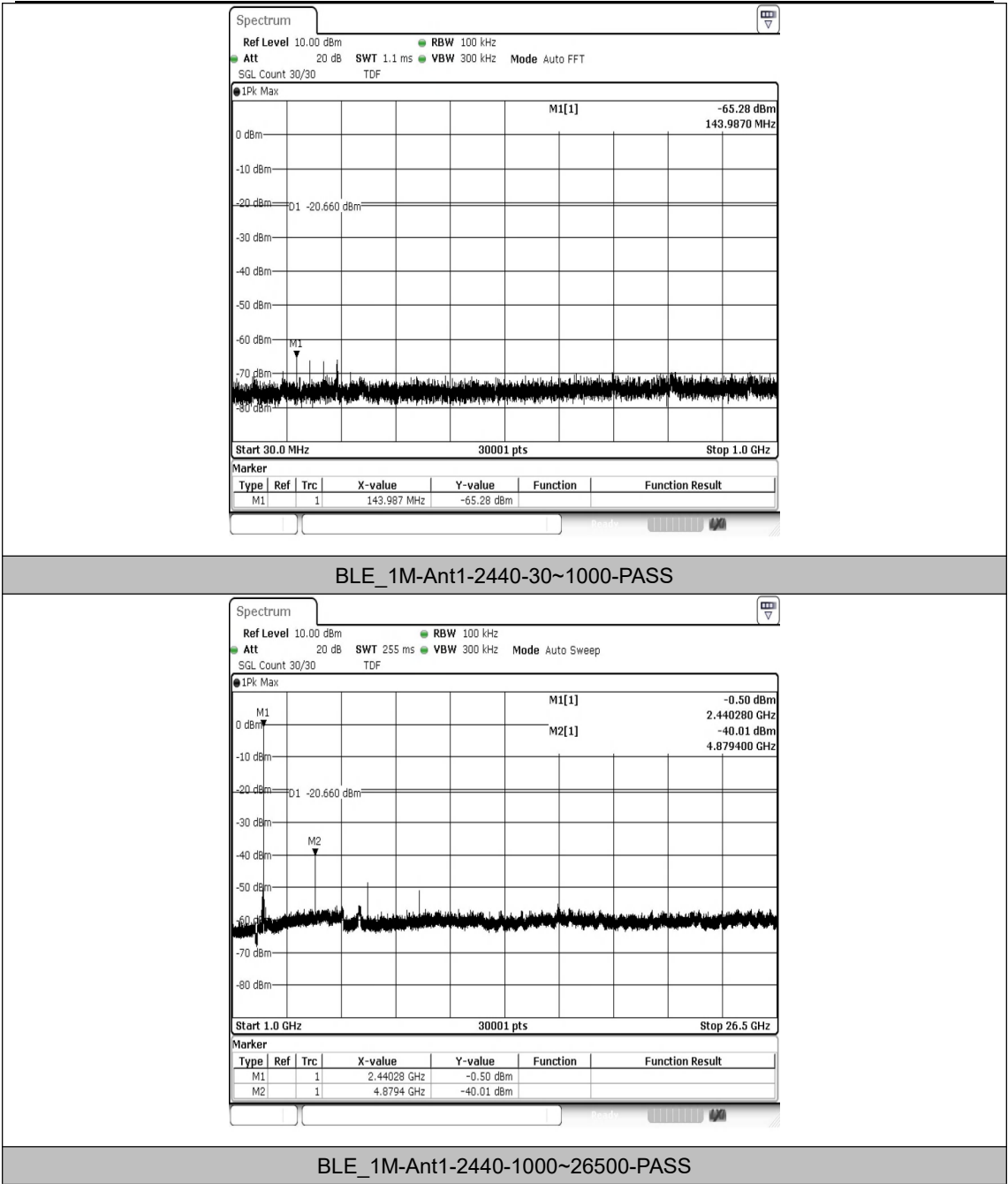


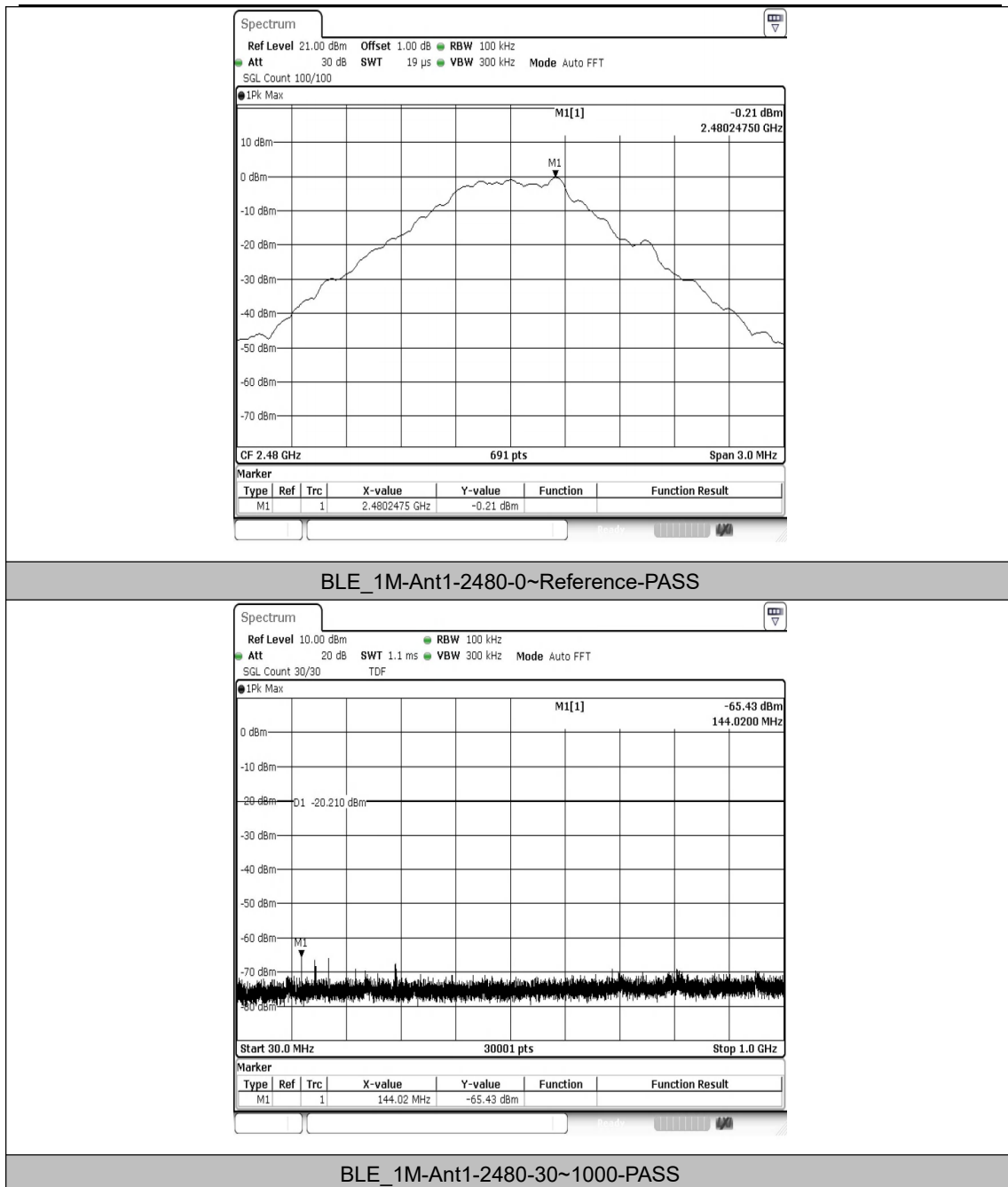
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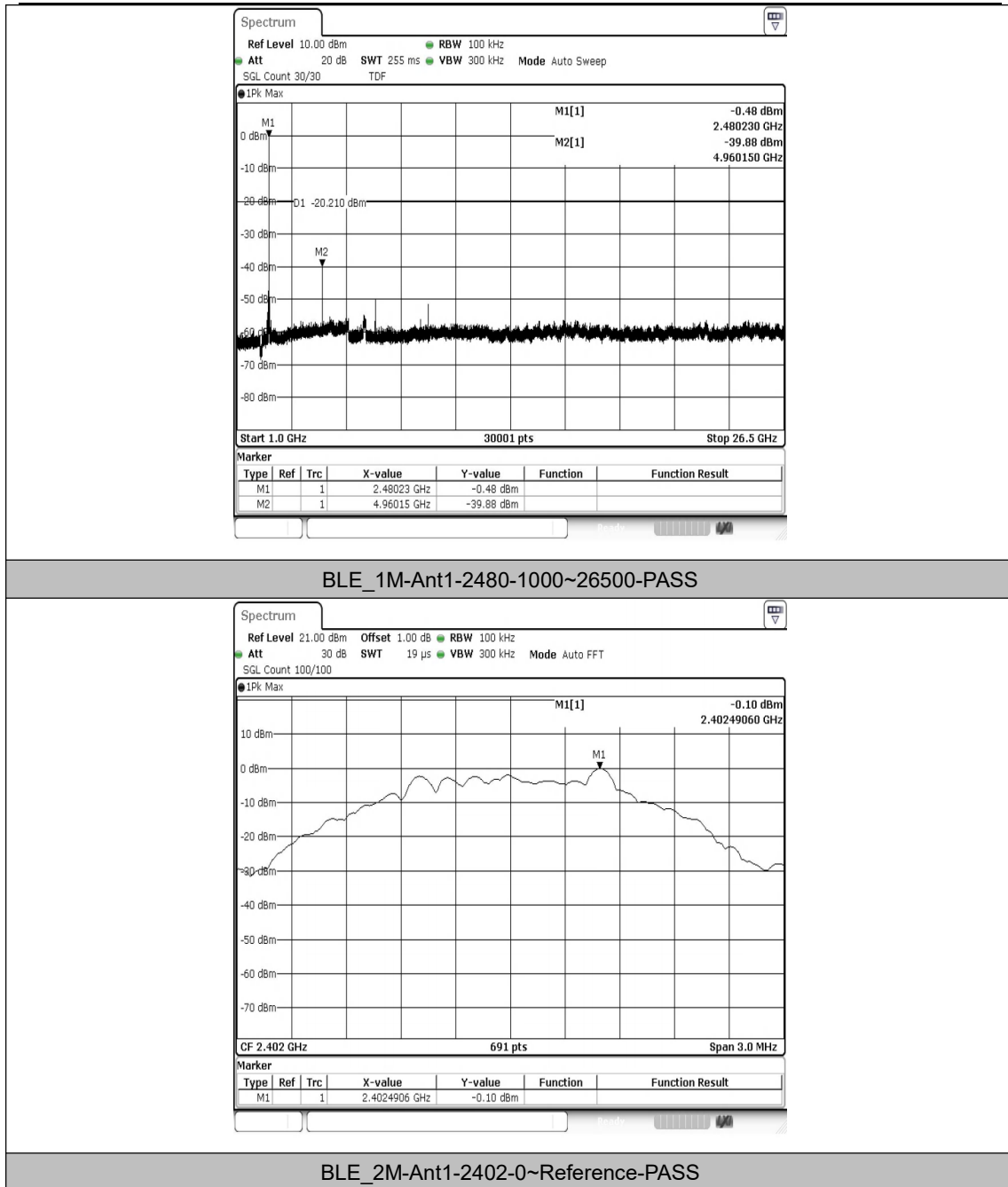




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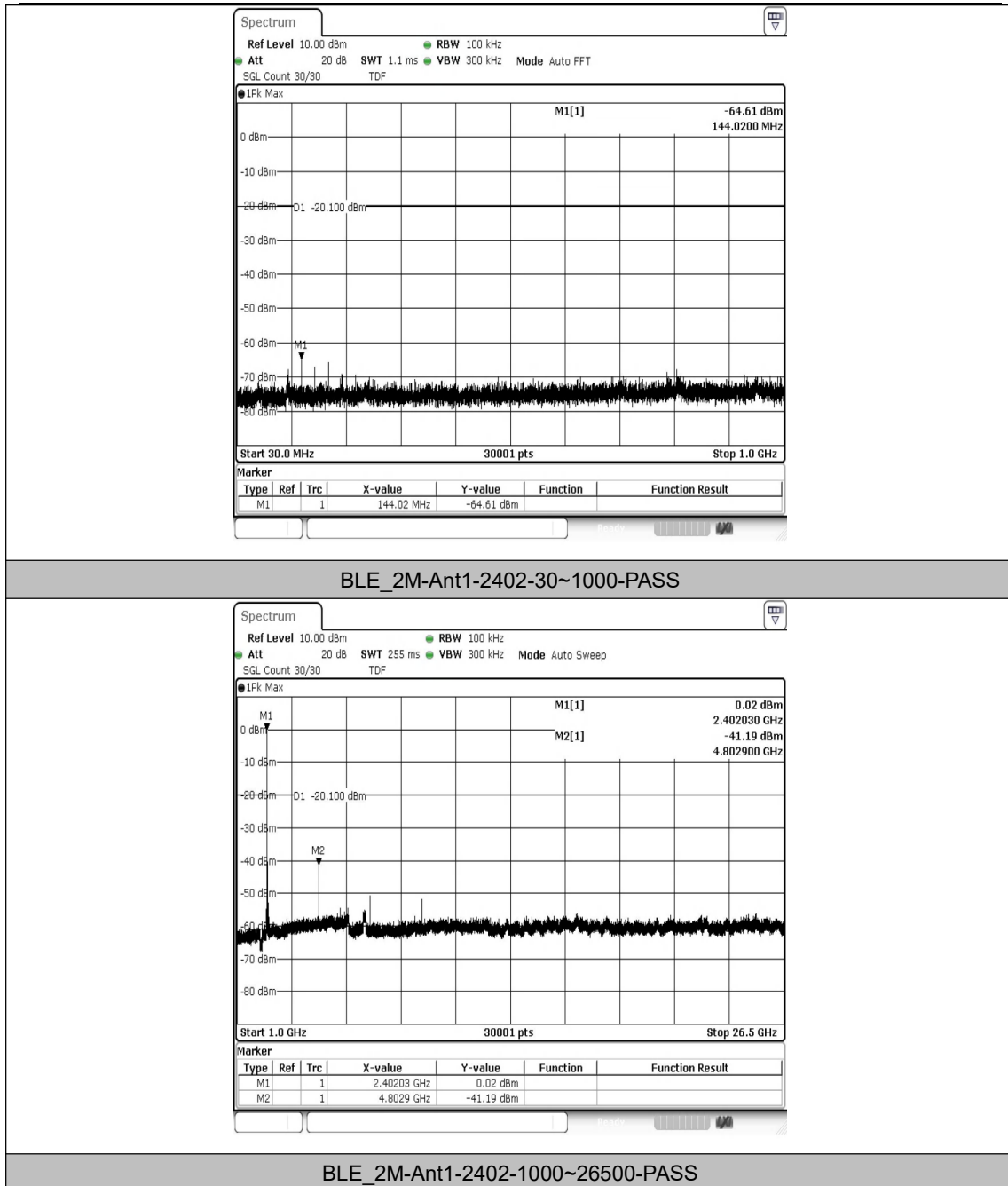
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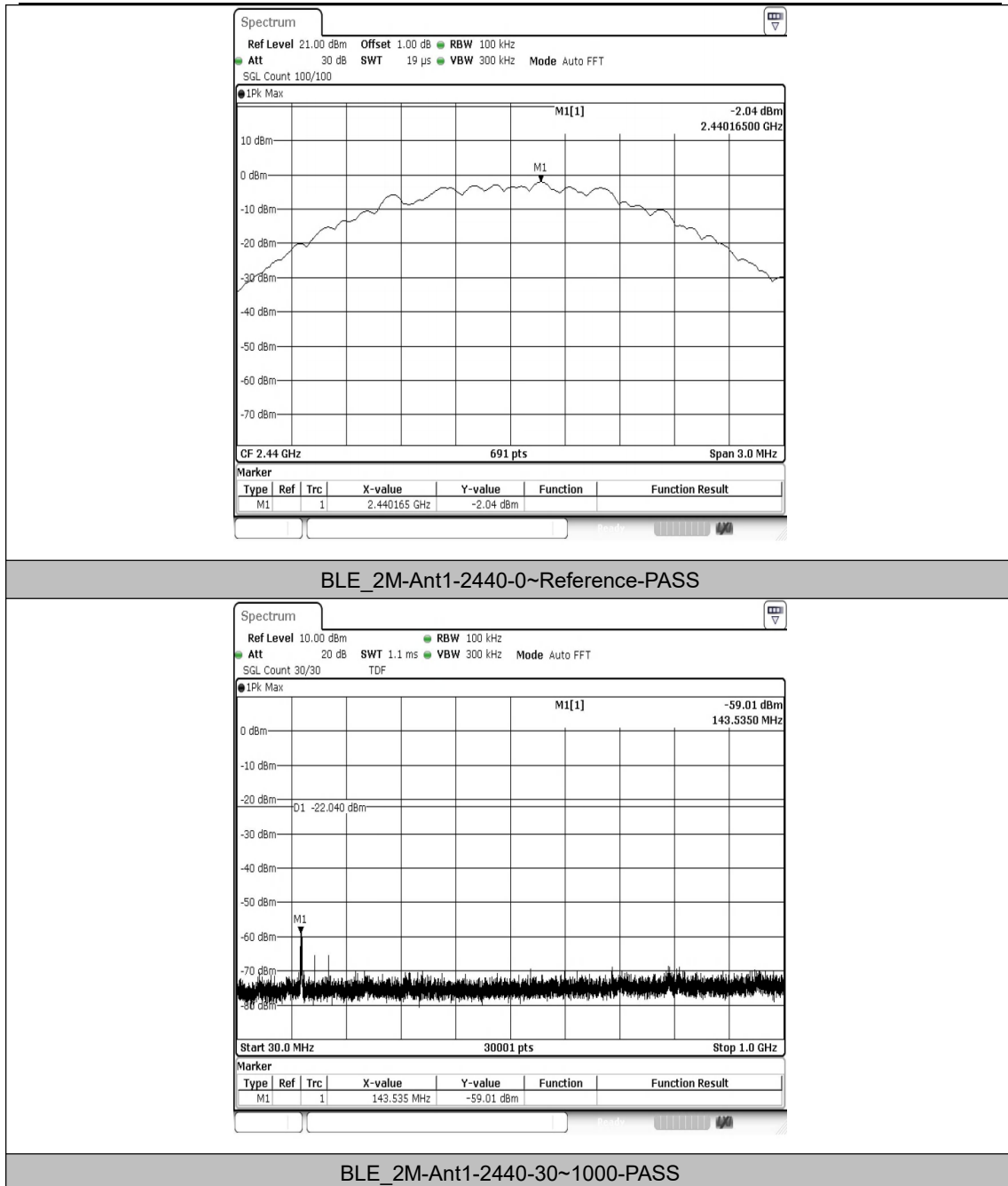


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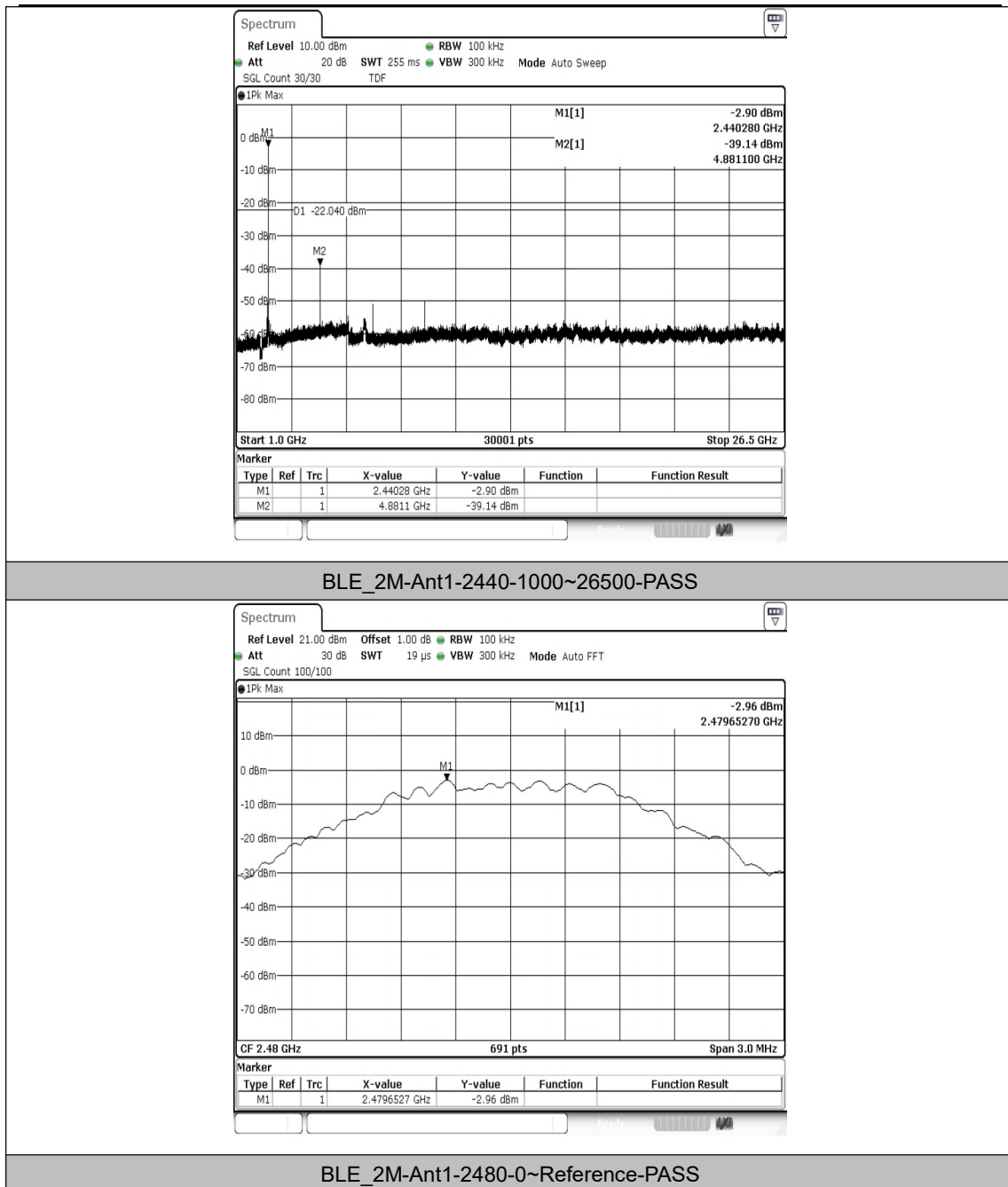




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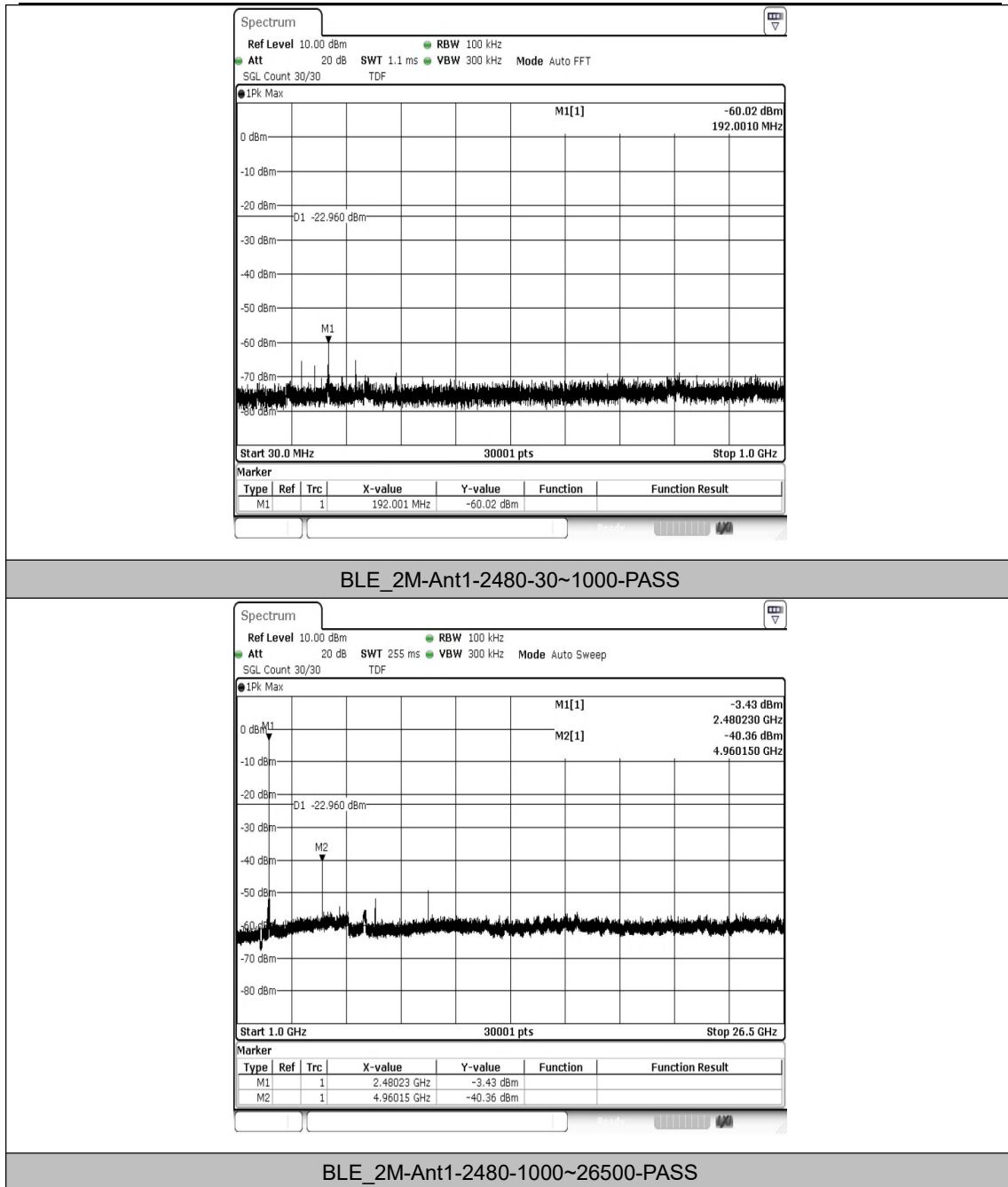
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Appendix G: Duty Cycle

Test Result

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

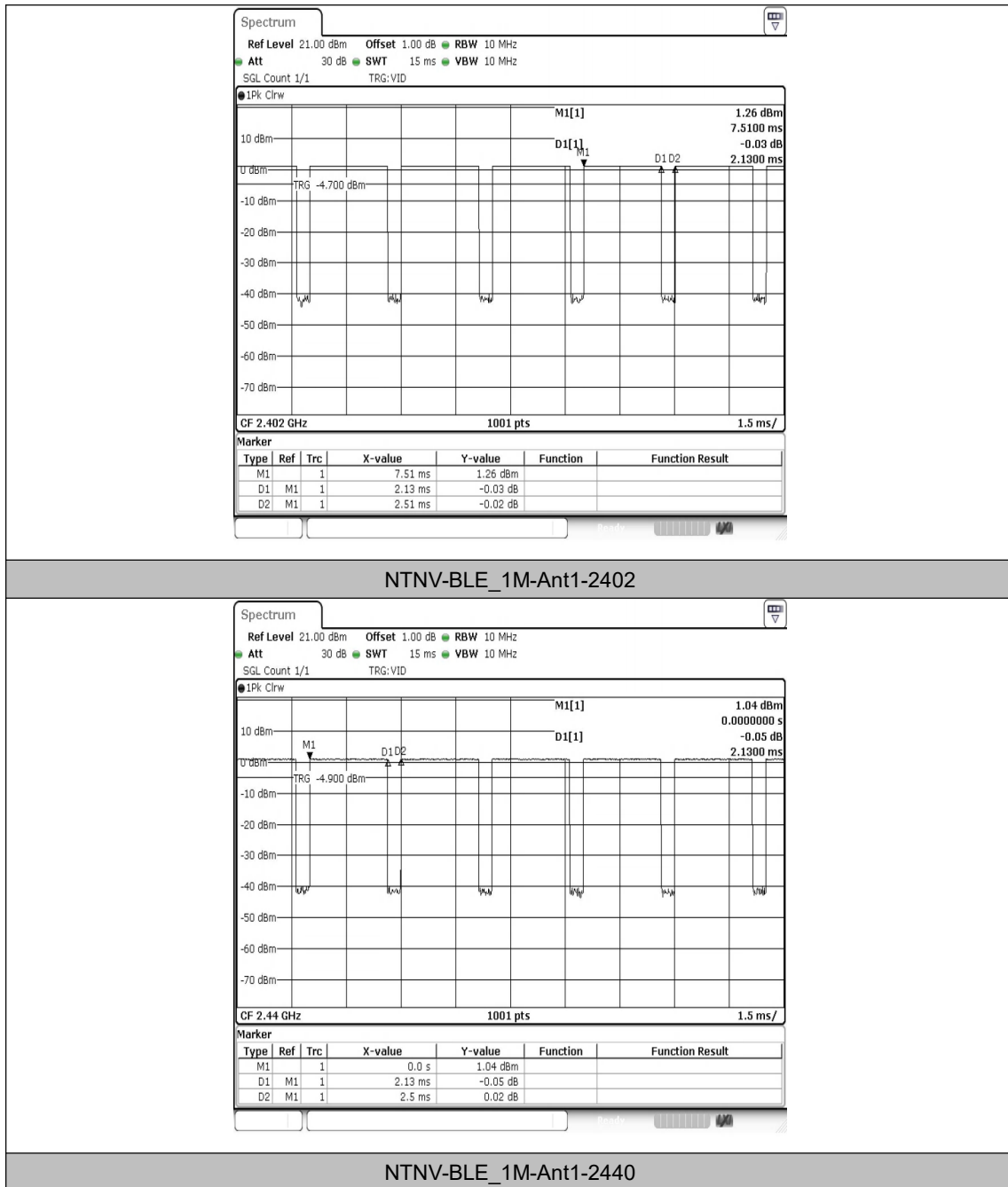
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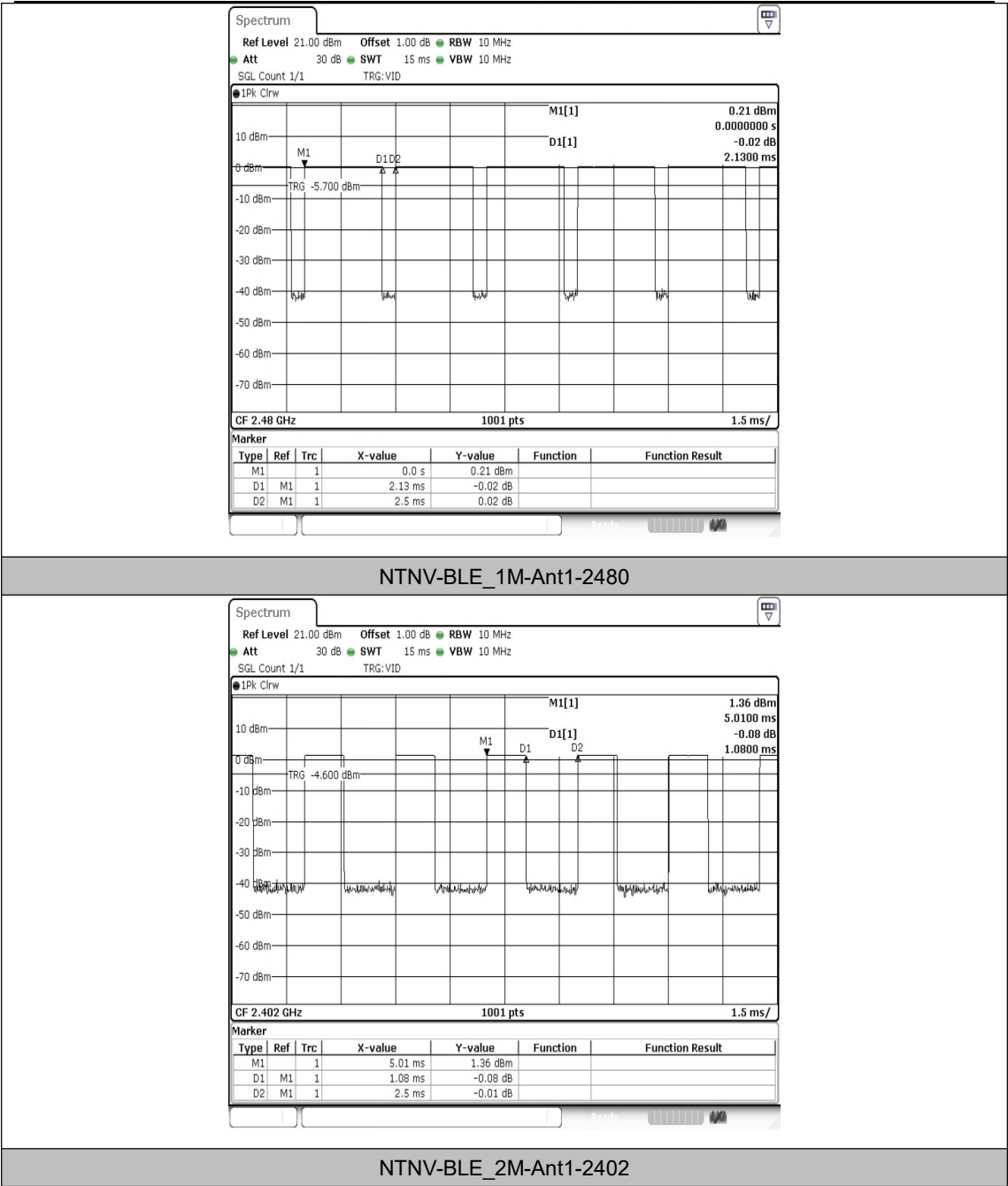
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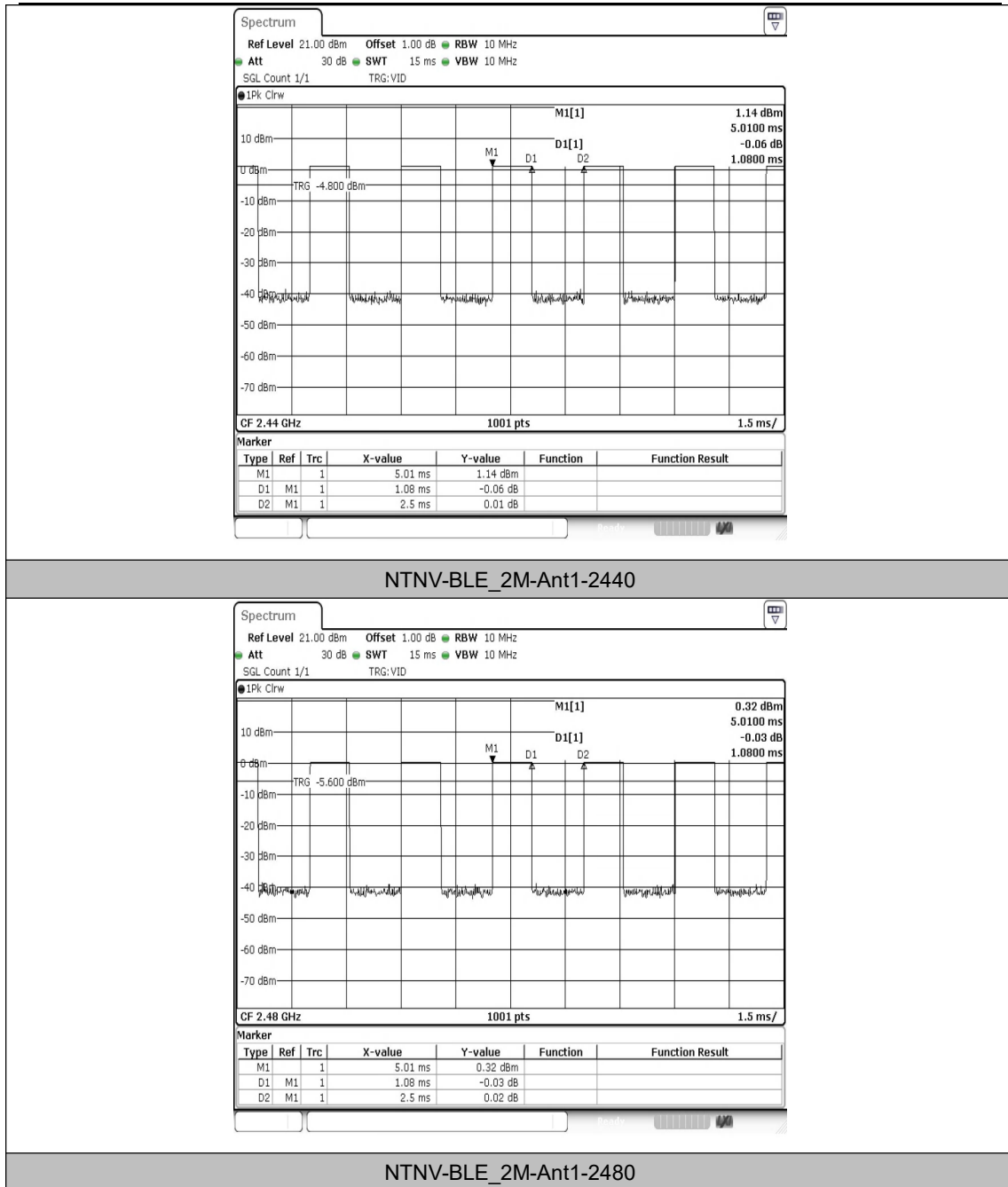


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Test Graphs







---End---