

Appendix Test Data

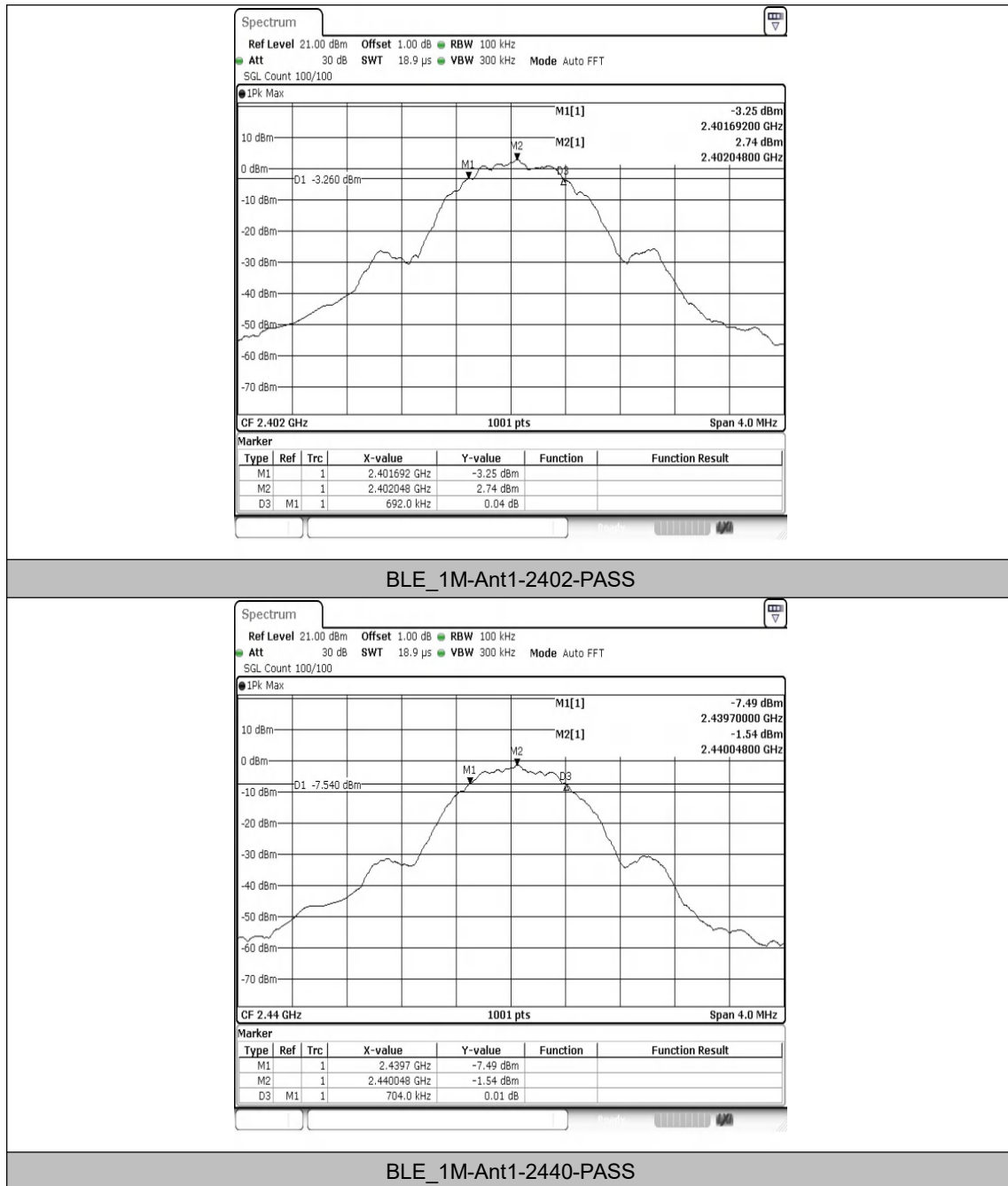
Report No.:	1813C50286612502	Test Sample No.:	1-2-2
Start Test Date:	2025-6-23	Finish Test Date:	2025-6-30
Test Engineer:	Hansen Guan	Auditor:	Justin Feng
Temperature:	26.7°C	Relative Humidity:	55%
Pressure:	101kPa		

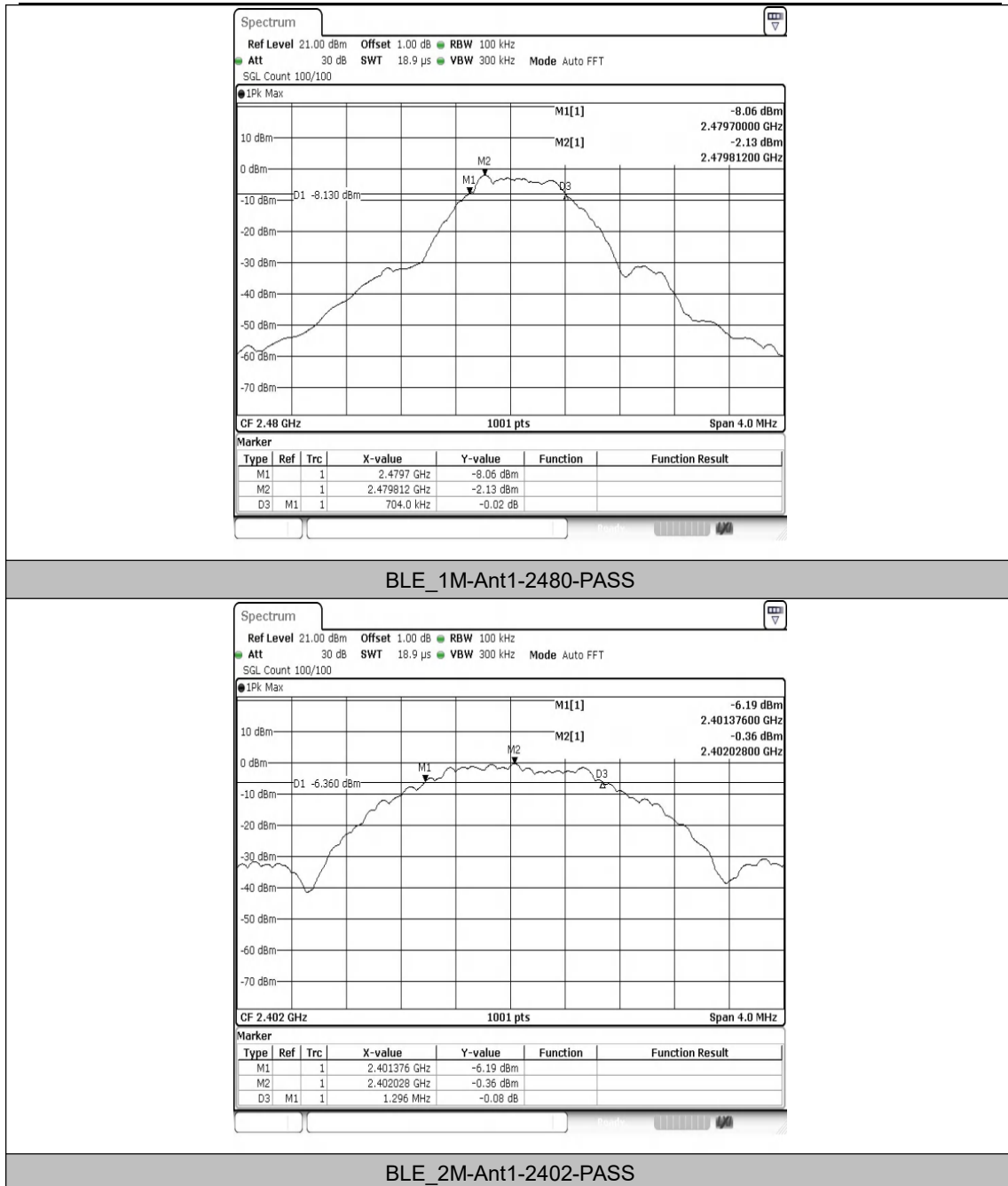
Appendix A: 6dB Bandwidth

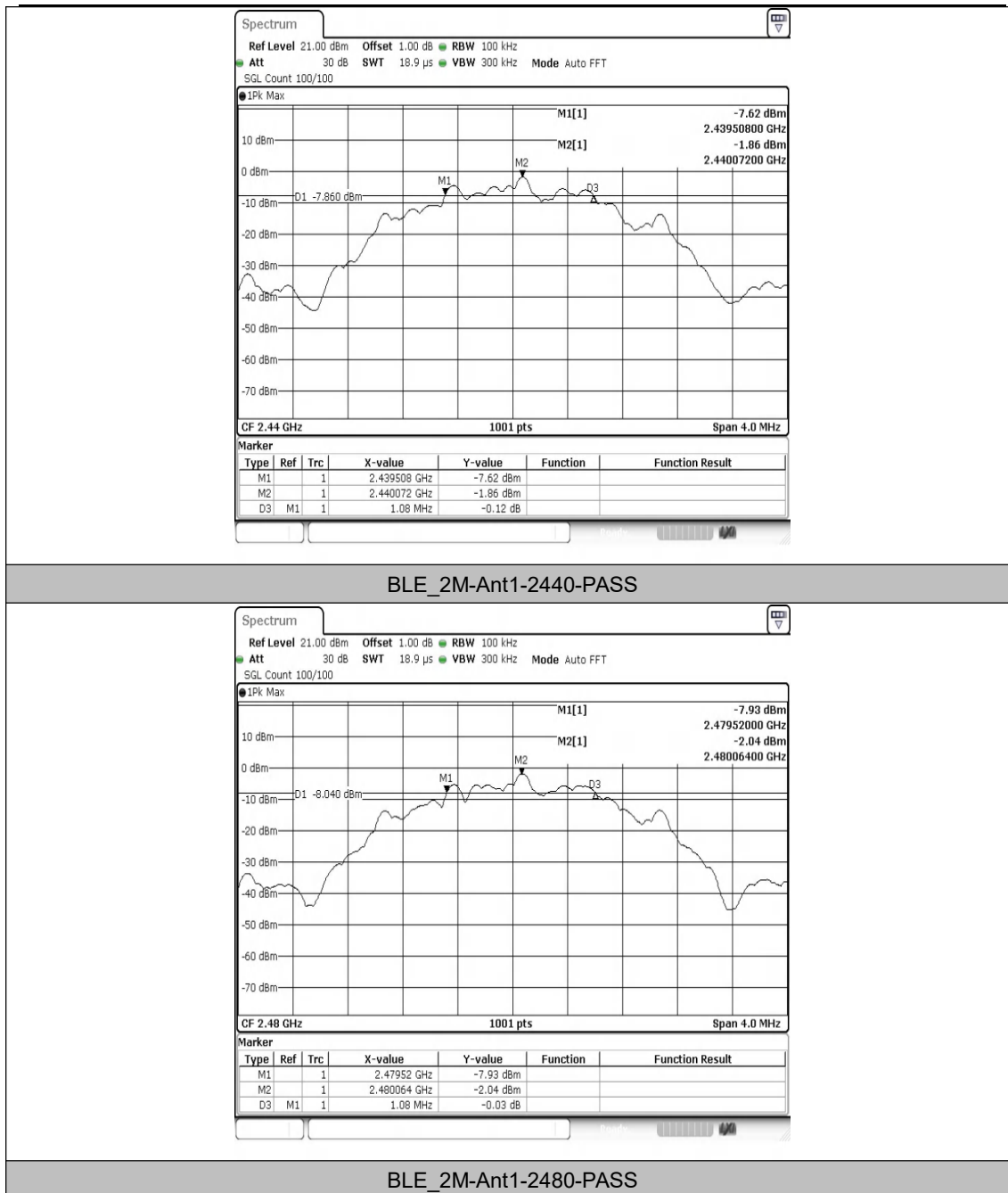
Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.69	2401.69	2402.38	0.5	PASS
BLE_1M	Ant1	2440	0.70	2439.70	2440.40	0.5	PASS
BLE_1M	Ant1	2480	0.70	2479.70	2480.40	0.5	PASS
BLE_2M	Ant1	2402	1.30	2401.38	2402.67	0.5	PASS
BLE_2M	Ant1	2440	1.08	2439.51	2440.59	0.5	PASS
BLE_2M	Ant1	2480	1.08	2479.52	2480.60	0.5	PASS

Test Graphs





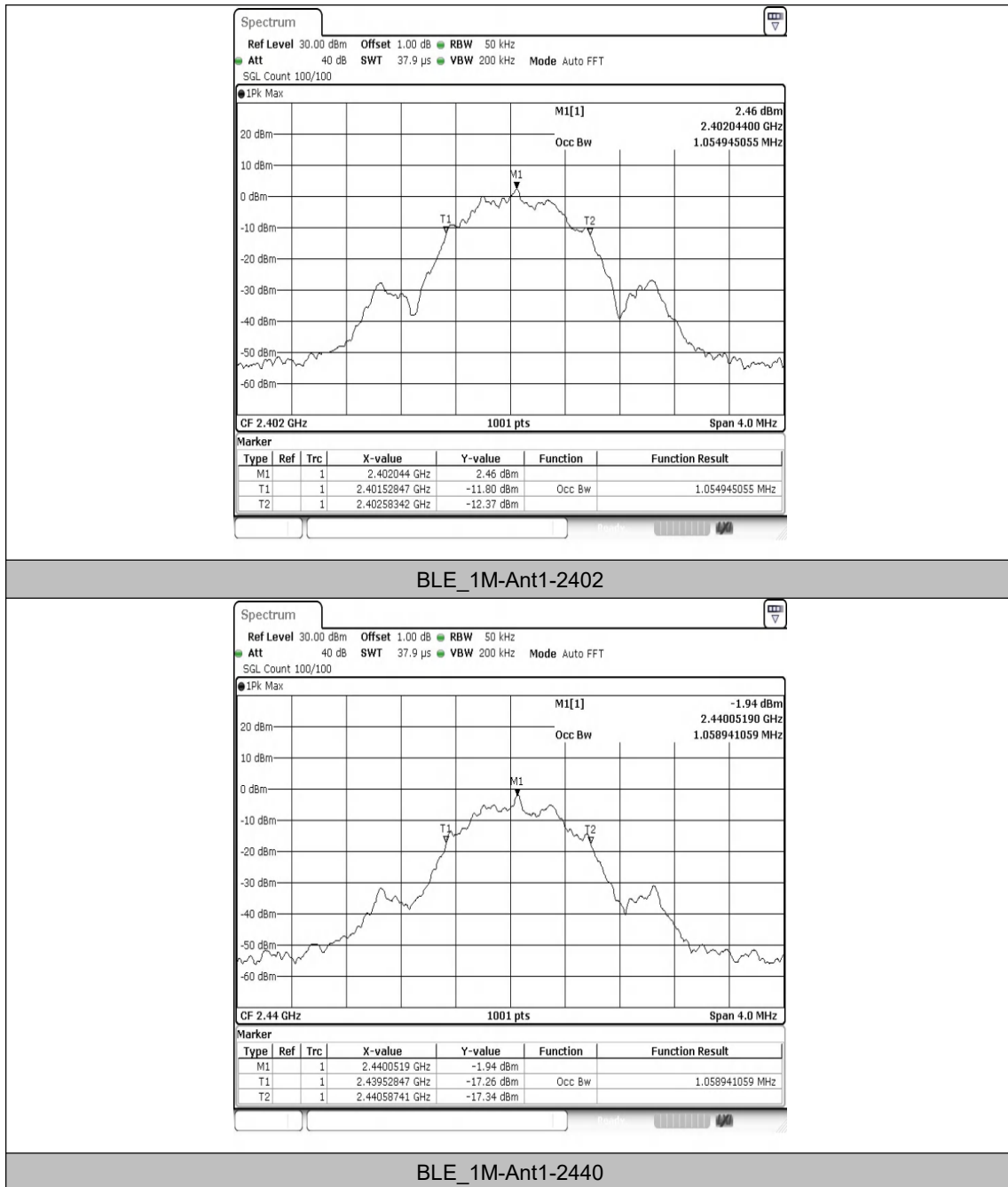


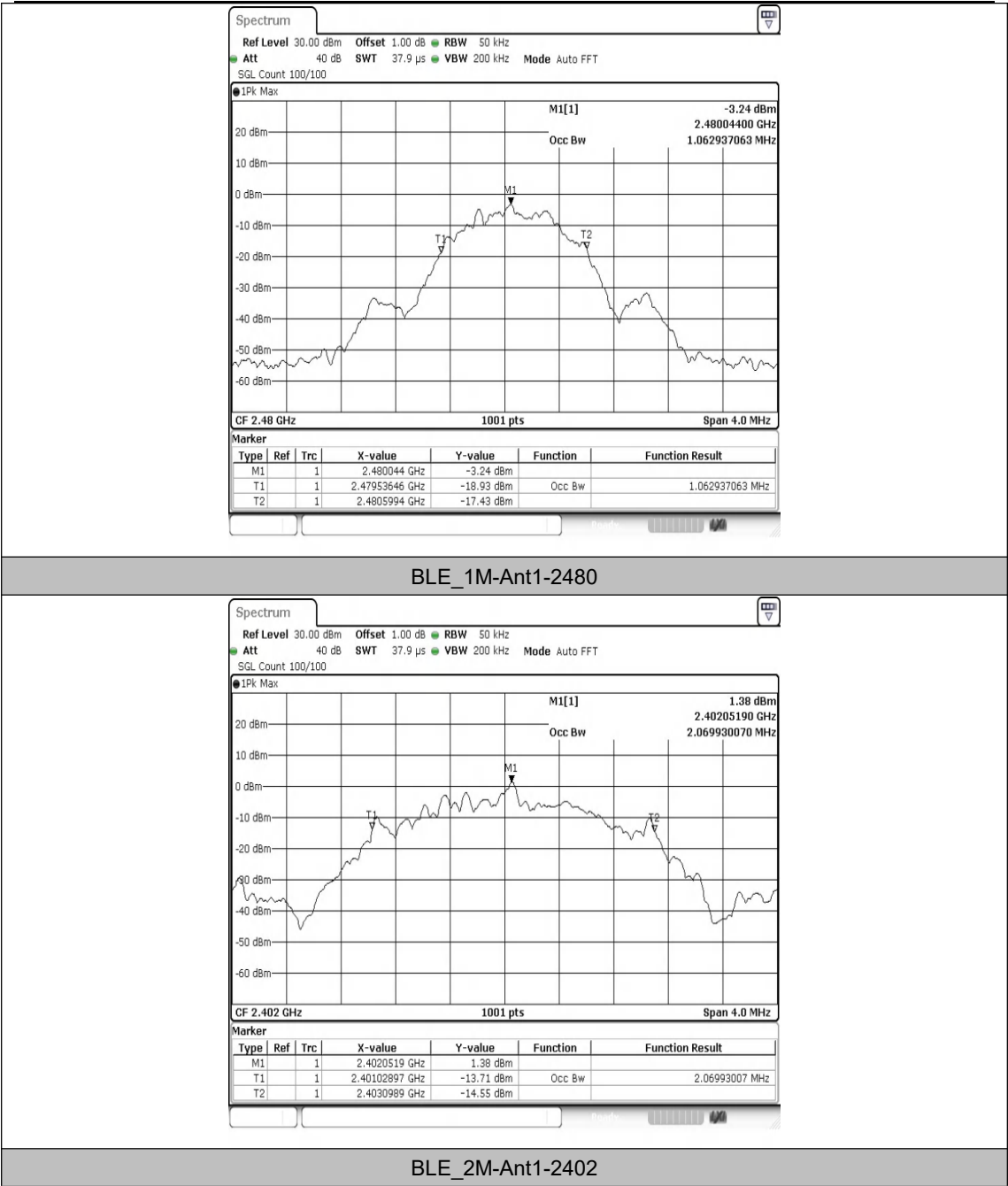
Appendix B: 99% Occupied Bandwidth

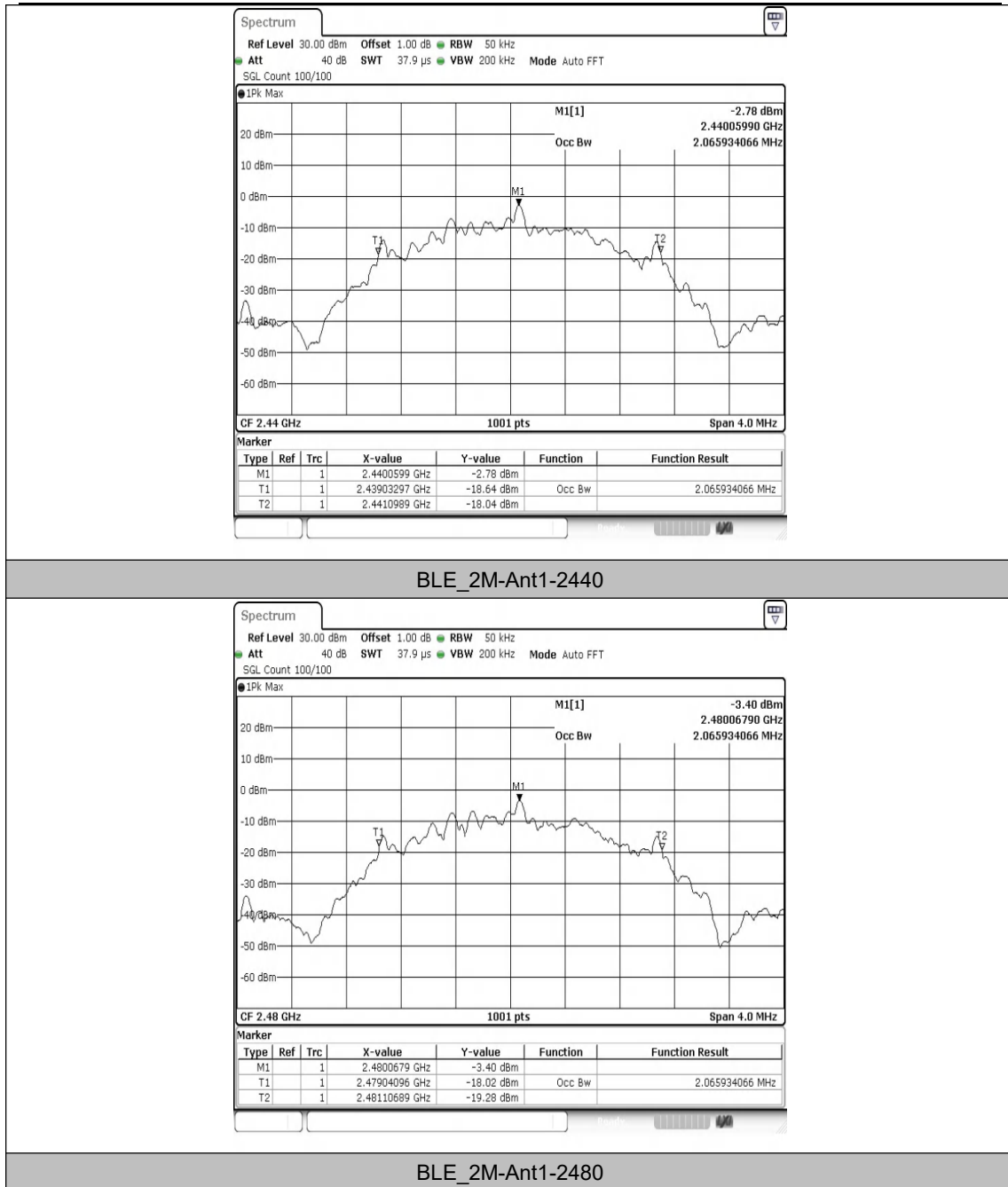
Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0549	2401.5285	2402.5834	---	---
BLE_1M	Ant1	2440	1.0589	2439.5285	2440.5874	---	---
BLE_1M	Ant1	2480	1.0629	2479.5365	2480.5994	---	---
BLE_2M	Ant1	2402	2.0699	2401.0290	2403.0989	---	---
BLE_2M	Ant1	2440	2.0659	2439.0330	2441.0989	---	---
BLE_2M	Ant1	2480	2.0659	2479.0410	2481.1069	---	---

Test Graphs





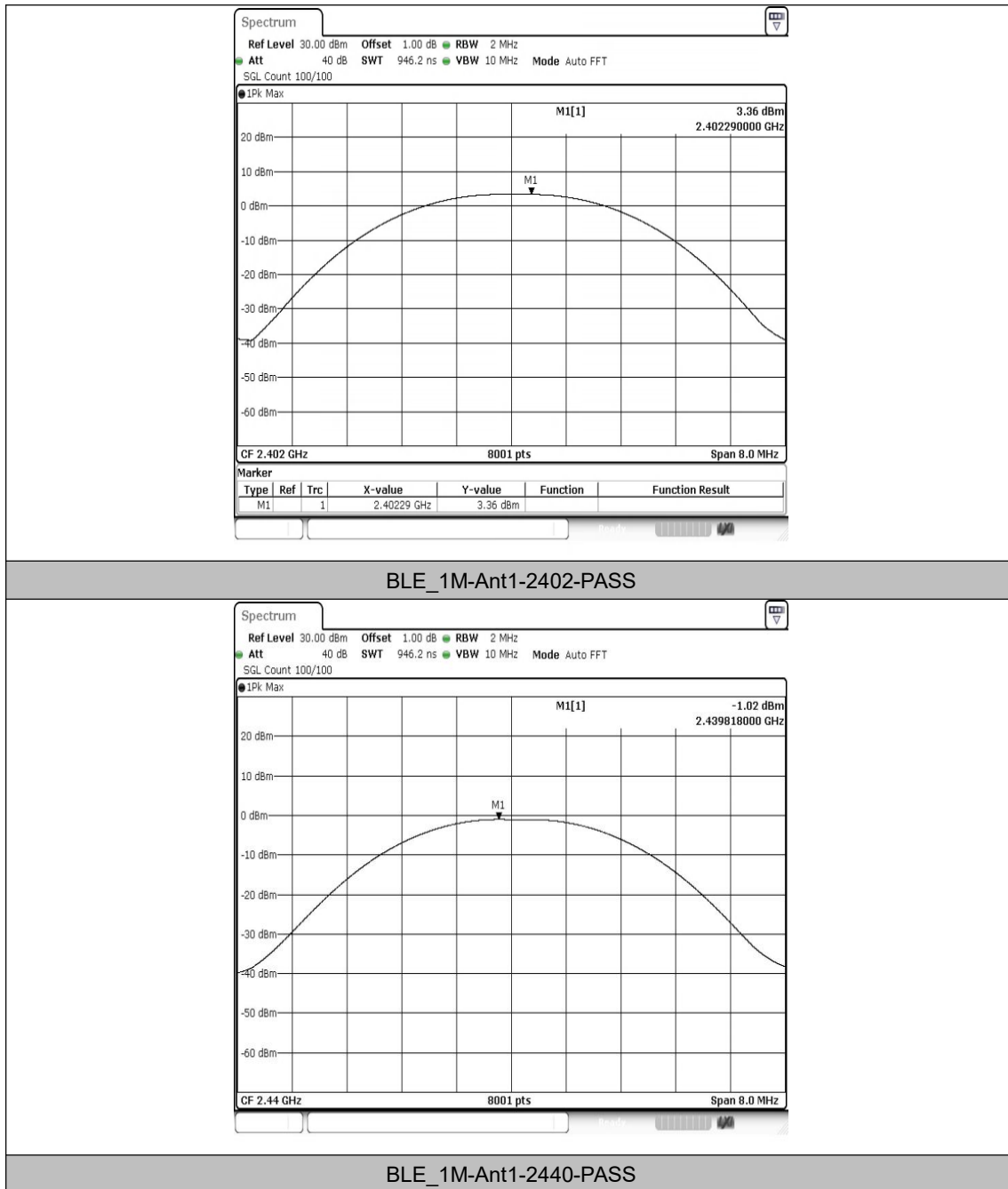


Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.36	≤30	PASS
BLE_1M	Ant1	2440	-1.02	≤30	PASS
BLE_1M	Ant1	2480	-1.25	≤30	PASS
BLE_2M	Ant1	2402	3.37	≤30	PASS
BLE_2M	Ant1	2440	-1.00	≤30	PASS
BLE_2M	Ant1	2480	-1.21	≤30	PASS

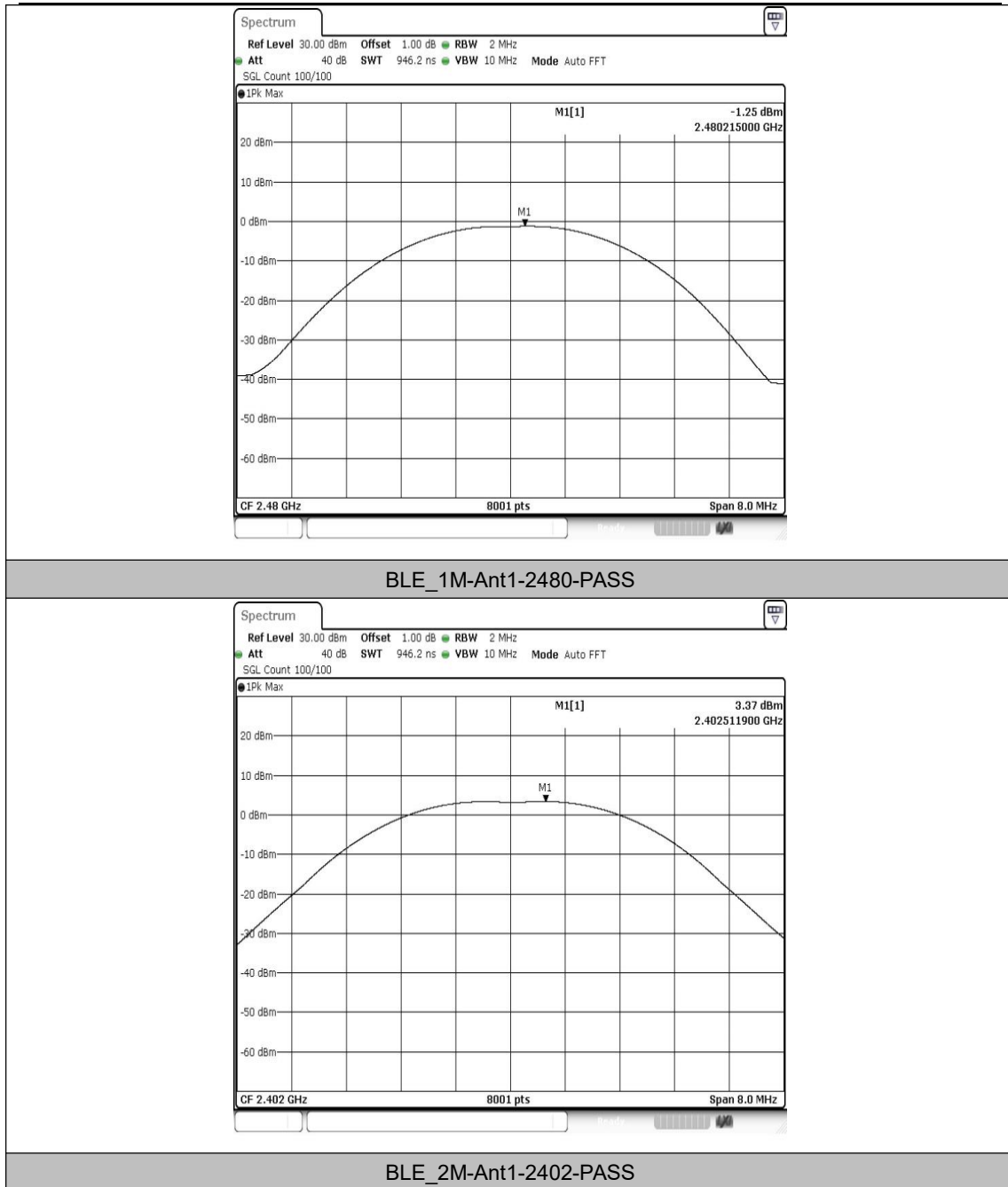
Test Graphs Peak



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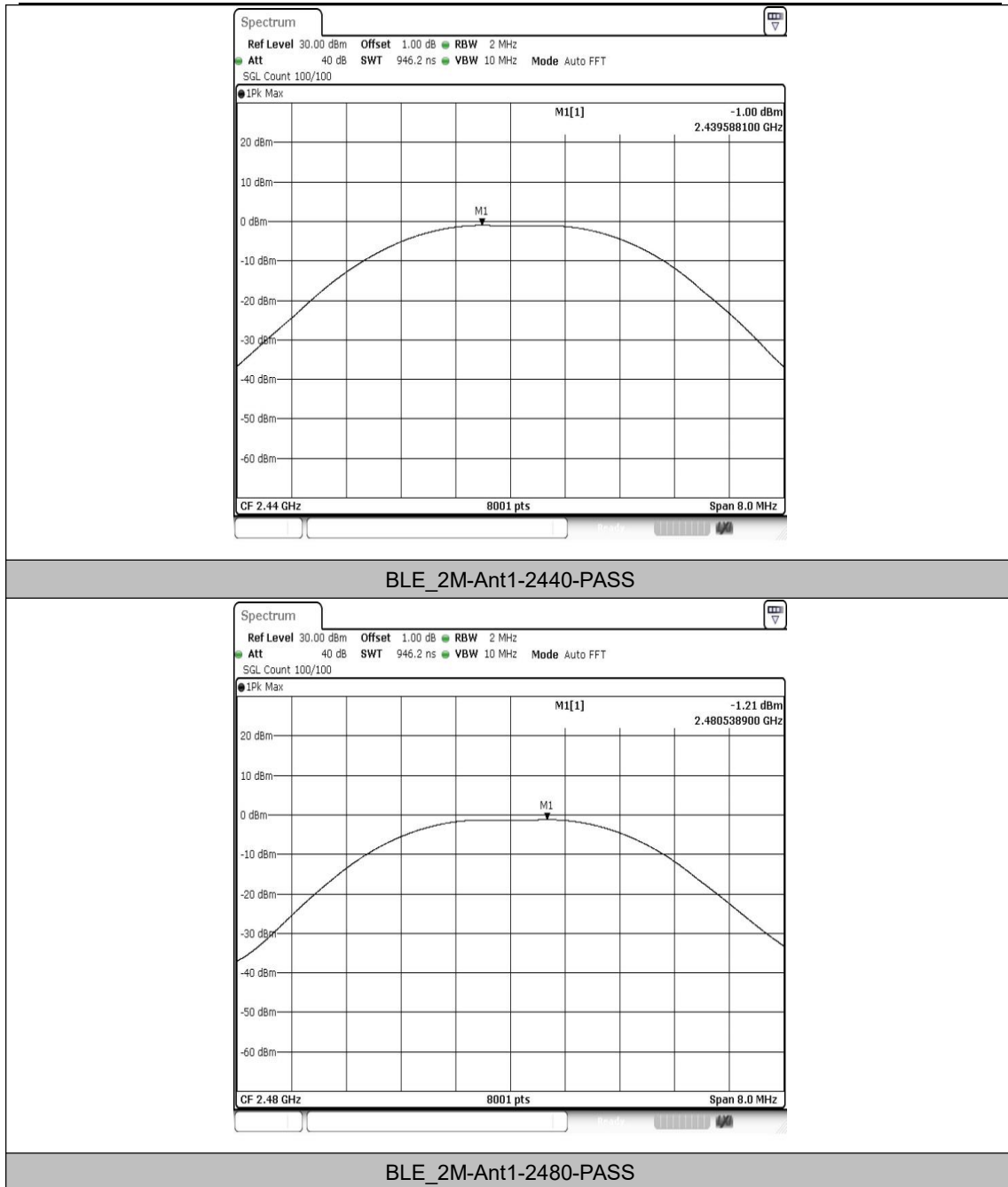
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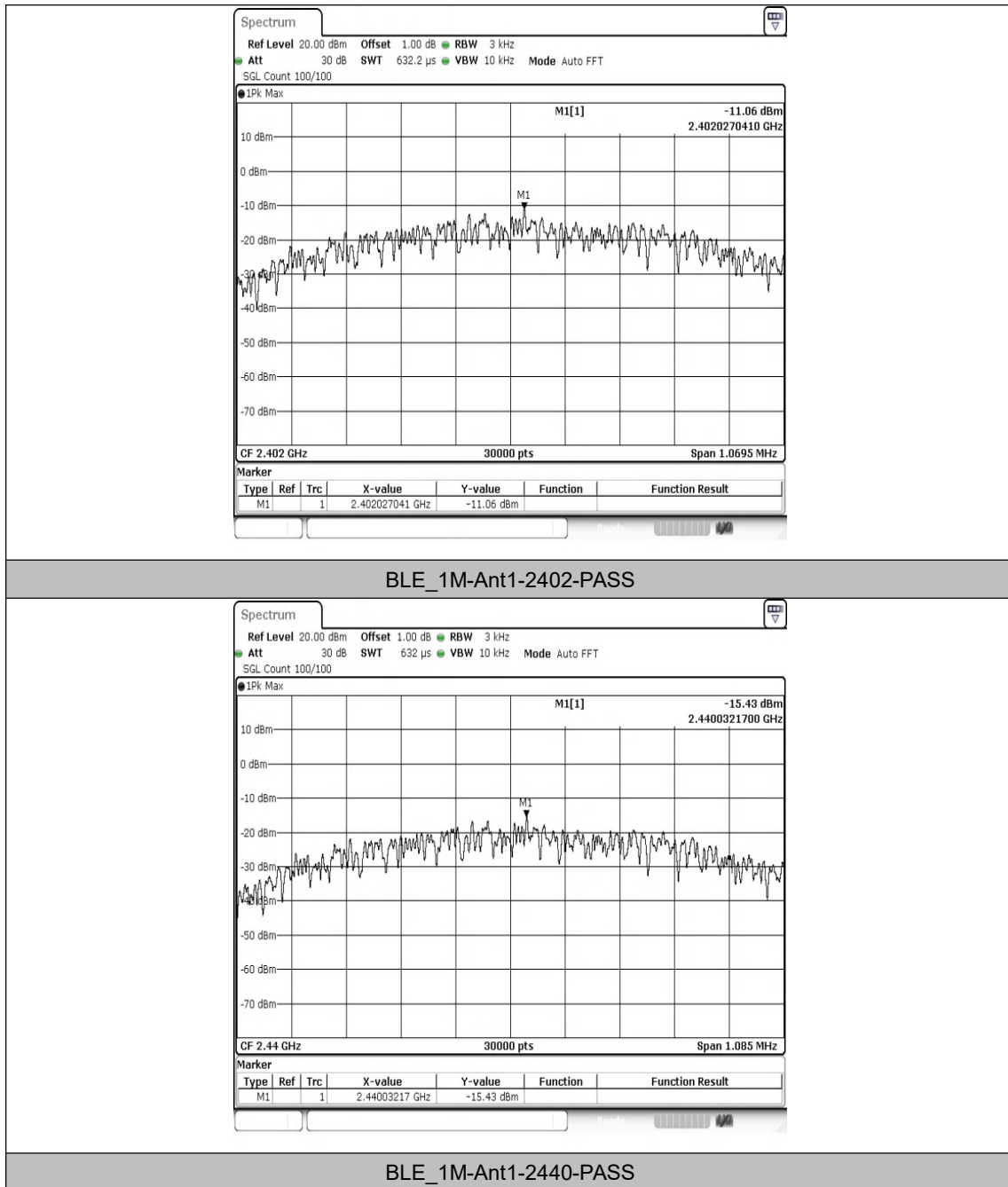
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.06	≤8.00	PASS
BLE_1M	Ant1	2440	-15.43	≤8.00	PASS
BLE_1M	Ant1	2480	-15.71	≤8.00	PASS
BLE_2M	Ant1	2402	-14.04	≤8.00	PASS
BLE_2M	Ant1	2440	-18.52	≤8.00	PASS
BLE_2M	Ant1	2480	-18.65	≤8.00	PASS



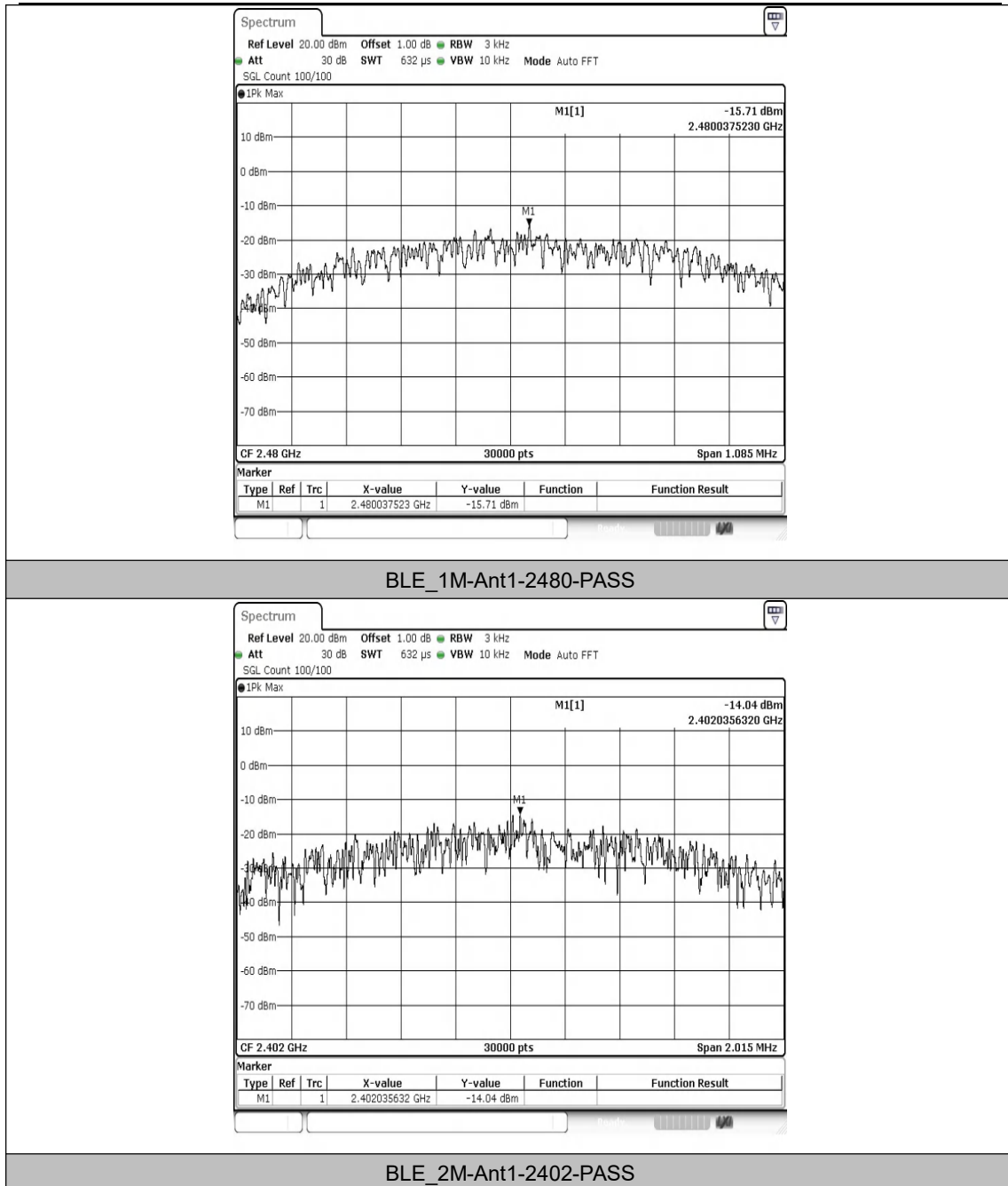
Test Graphs



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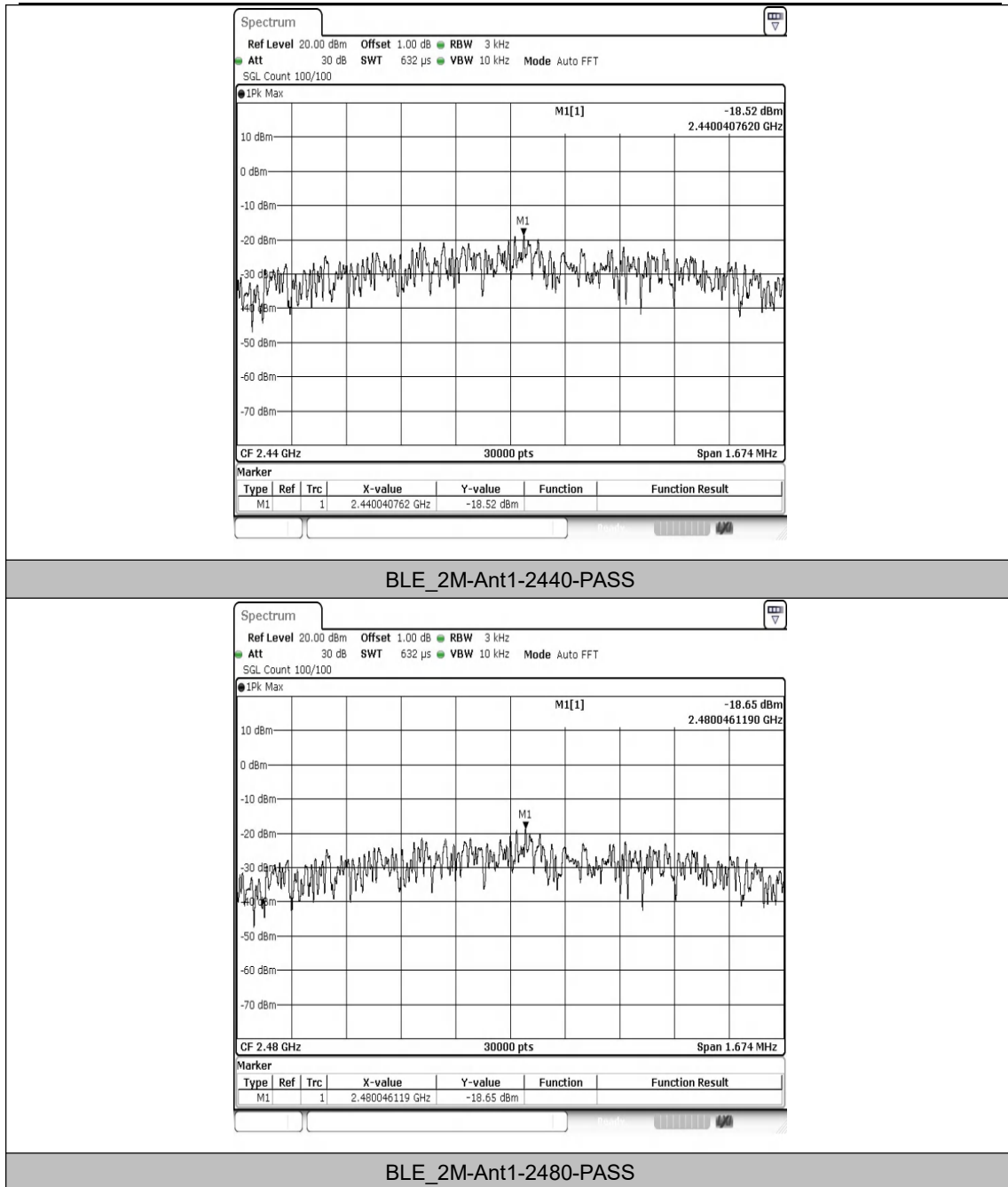
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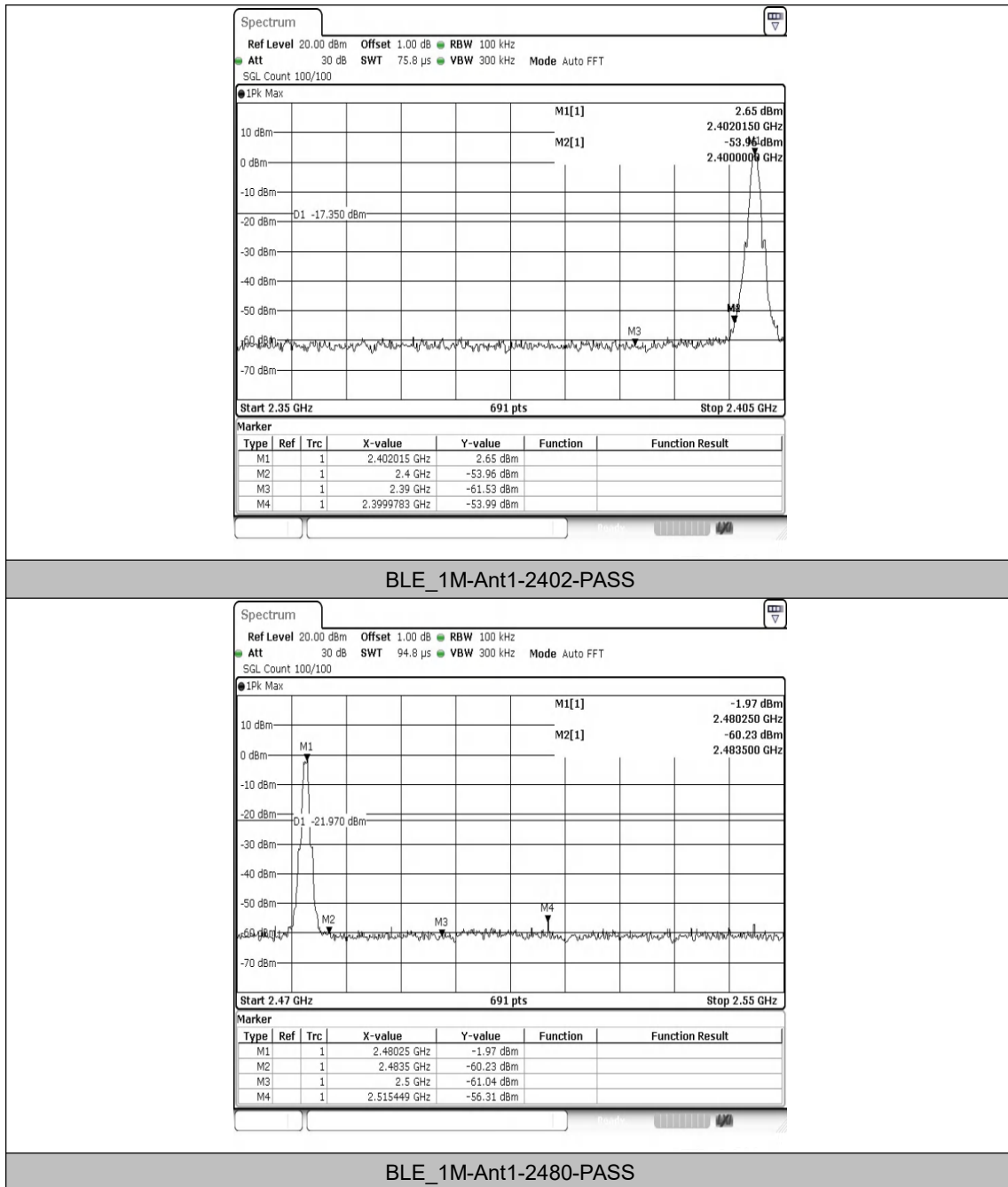
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.65	-53.99	≤-17.35	PASS
BLE_1M	Ant1	High	2480	-1.97	-56.31	≤-21.97	PASS
BLE_2M	Ant1	Low	2402	0.83	-31.47	≤-19.17	PASS
BLE_2M	Ant1	High	2480	-2.00	-57.71	≤-22	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.

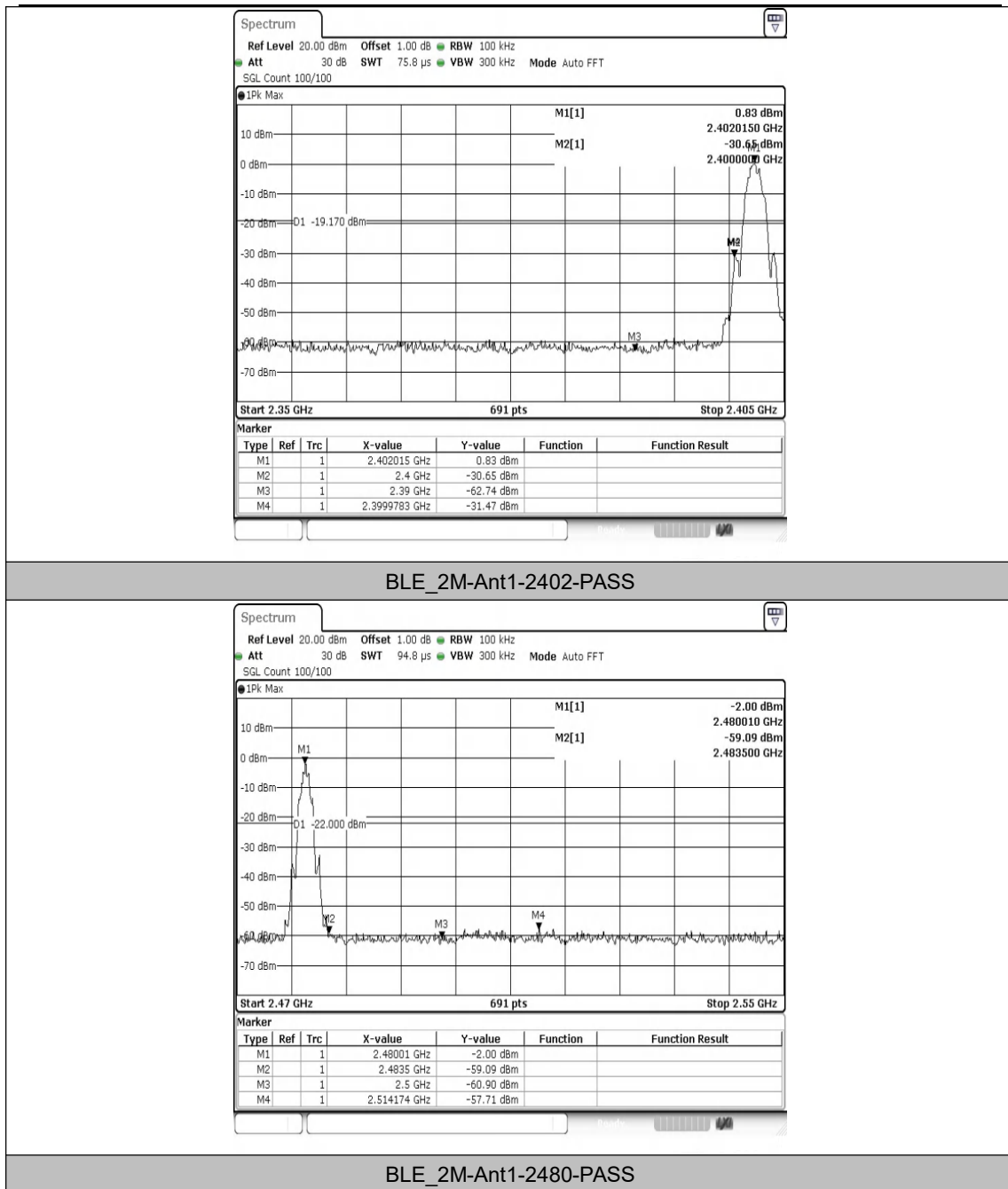
Test Graphs



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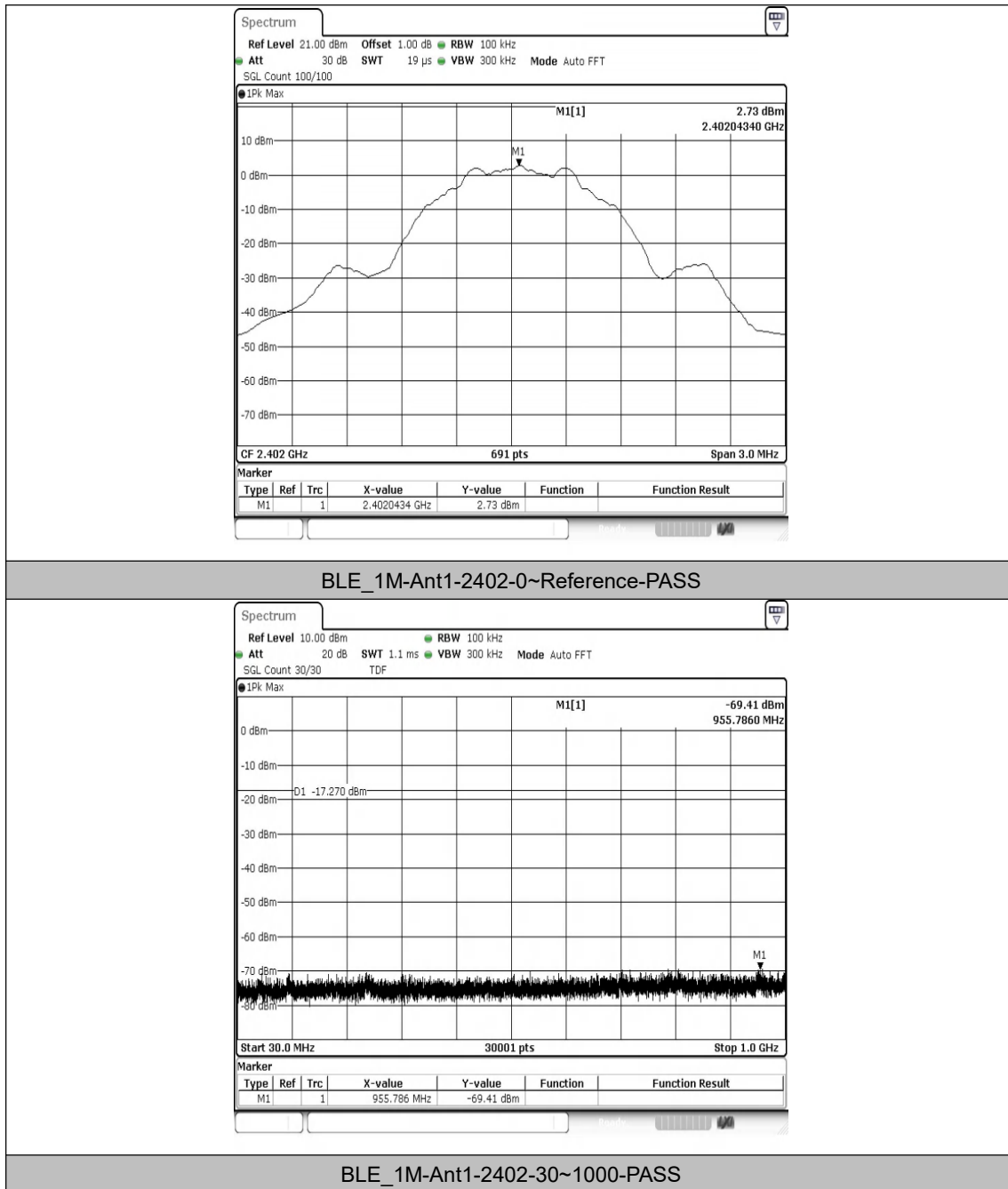
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	2.73	2.73	---	PASS
BLE_1M	Ant1	2402	30~1000	2.73	-69.41	≤-17.27	PASS
BLE_1M	Ant1	2402	1000~26500	2.73	-54.65	≤-17.27	PASS
BLE_1M	Ant1	2440	0~Reference	-1.63	-1.63	---	PASS
BLE_1M	Ant1	2440	30~1000	-1.63	-69.37	≤-21.63	PASS
BLE_1M	Ant1	2440	1000~26500	-1.63	-55.13	≤-21.63	PASS
BLE_1M	Ant1	2480	0~Reference	-2.00	-2.00	---	PASS
BLE_1M	Ant1	2480	30~1000	-2.00	-68.9	≤-22	PASS
BLE_1M	Ant1	2480	1000~26500	-2.00	-54.02	≤-22	PASS
BLE_2M	Ant1	2402	0~Reference	2.56	2.56	---	PASS
BLE_2M	Ant1	2402	30~1000	2.56	-69.69	≤-17.44	PASS
BLE_2M	Ant1	2402	1000~26500	2.56	-55.12	≤-17.44	PASS
BLE_2M	Ant1	2440	0~Reference	-1.74	-1.74	---	PASS
BLE_2M	Ant1	2440	30~1000	-1.74	-66.74	≤-21.74	PASS
BLE_2M	Ant1	2440	1000~26500	-1.74	-53.94	≤-21.74	PASS
BLE_2M	Ant1	2480	0~Reference	-2.30	-2.30	---	PASS
BLE_2M	Ant1	2480	30~1000	-2.30	-68.98	≤-22.3	PASS
BLE_2M	Ant1	2480	1000~26500	-2.30	-49.47	≤-22.3	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.

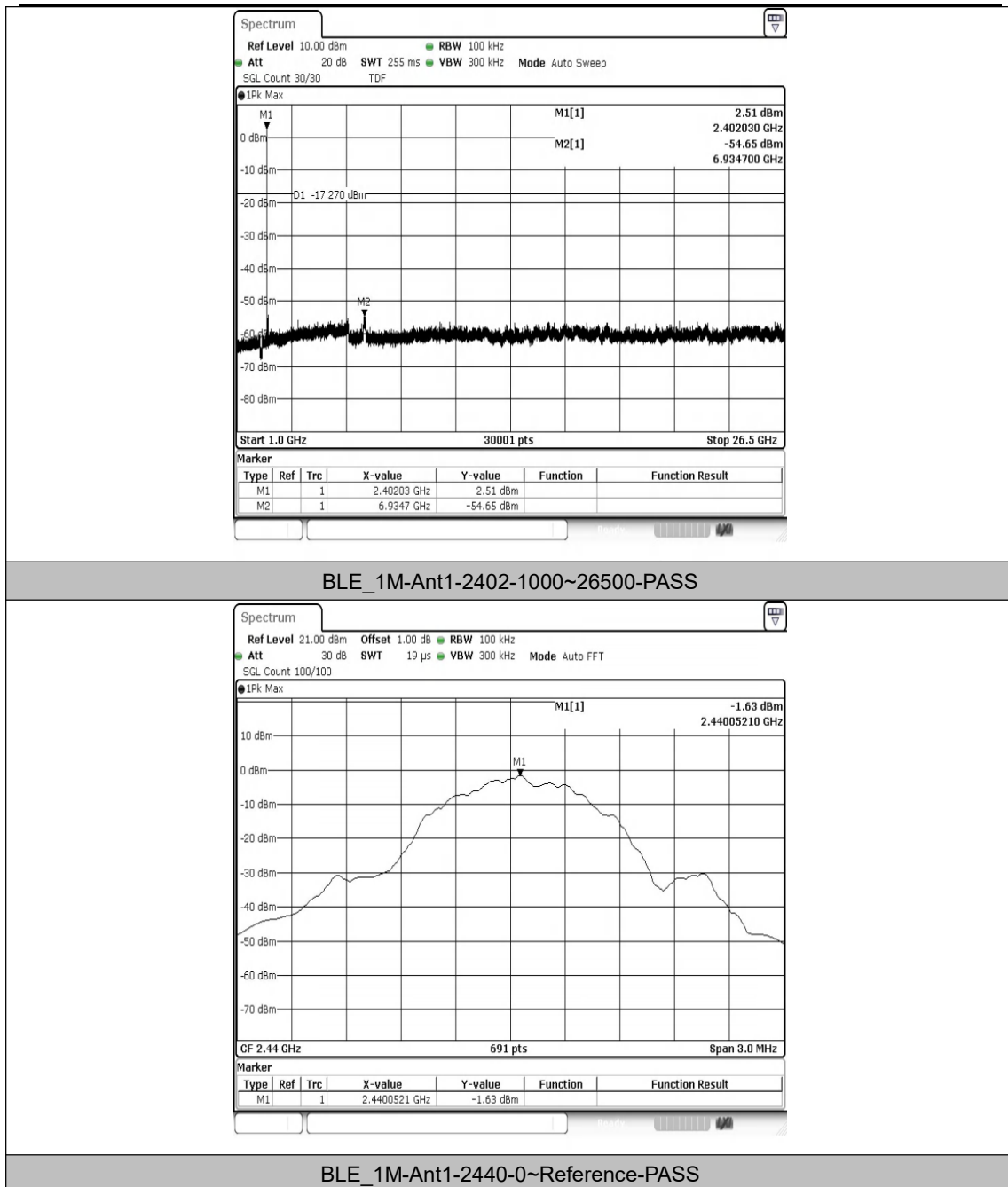
Test Graphs



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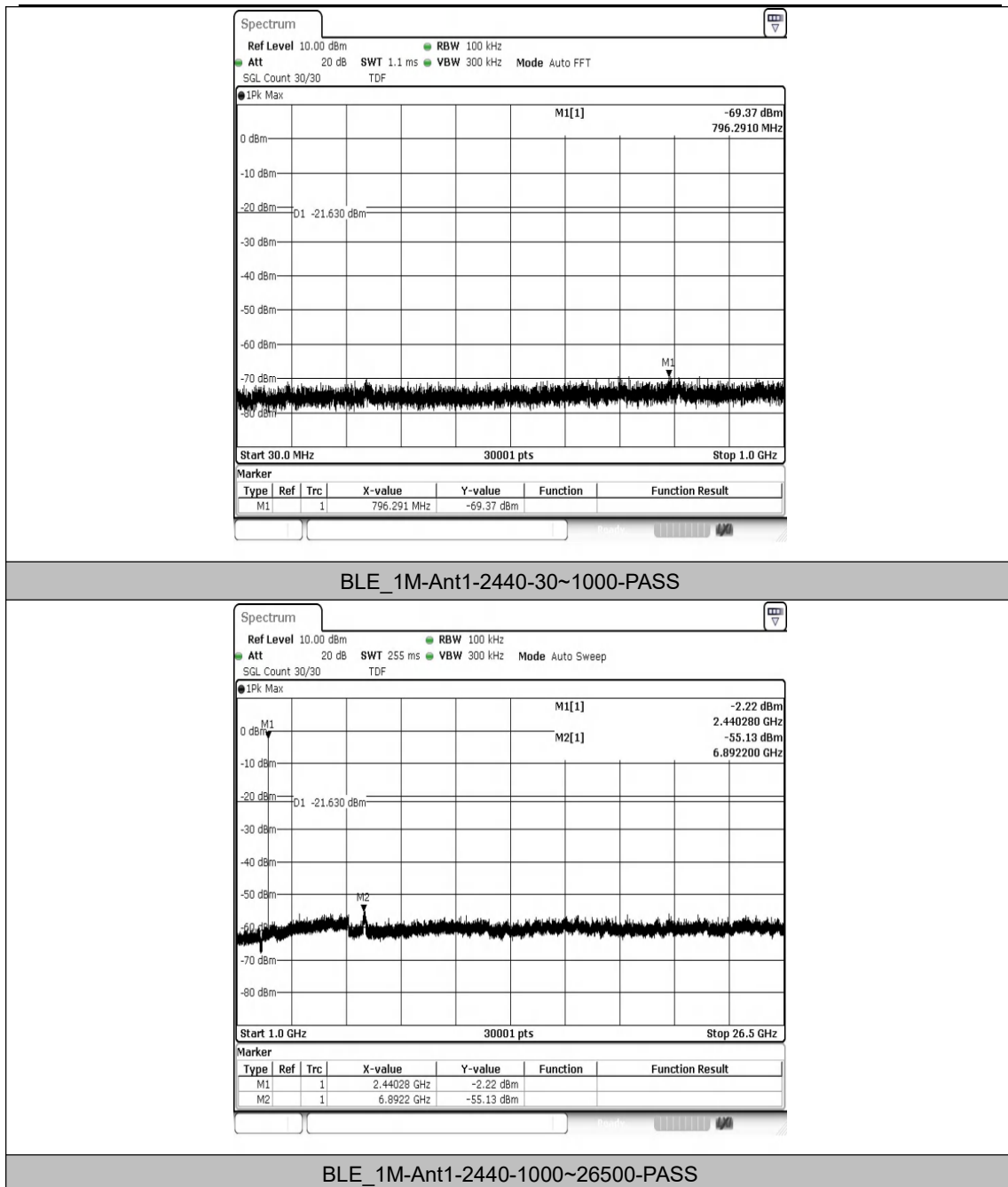
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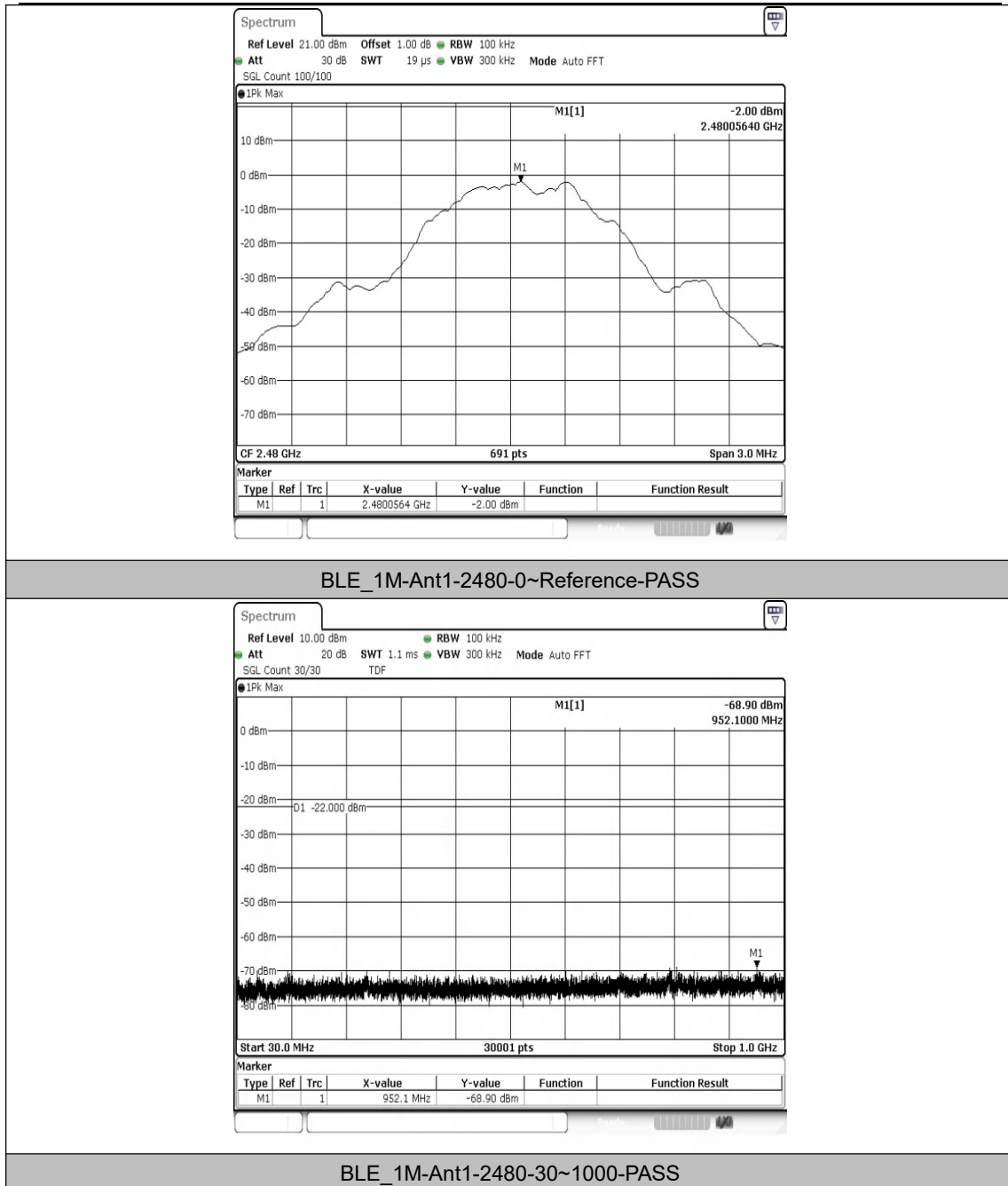
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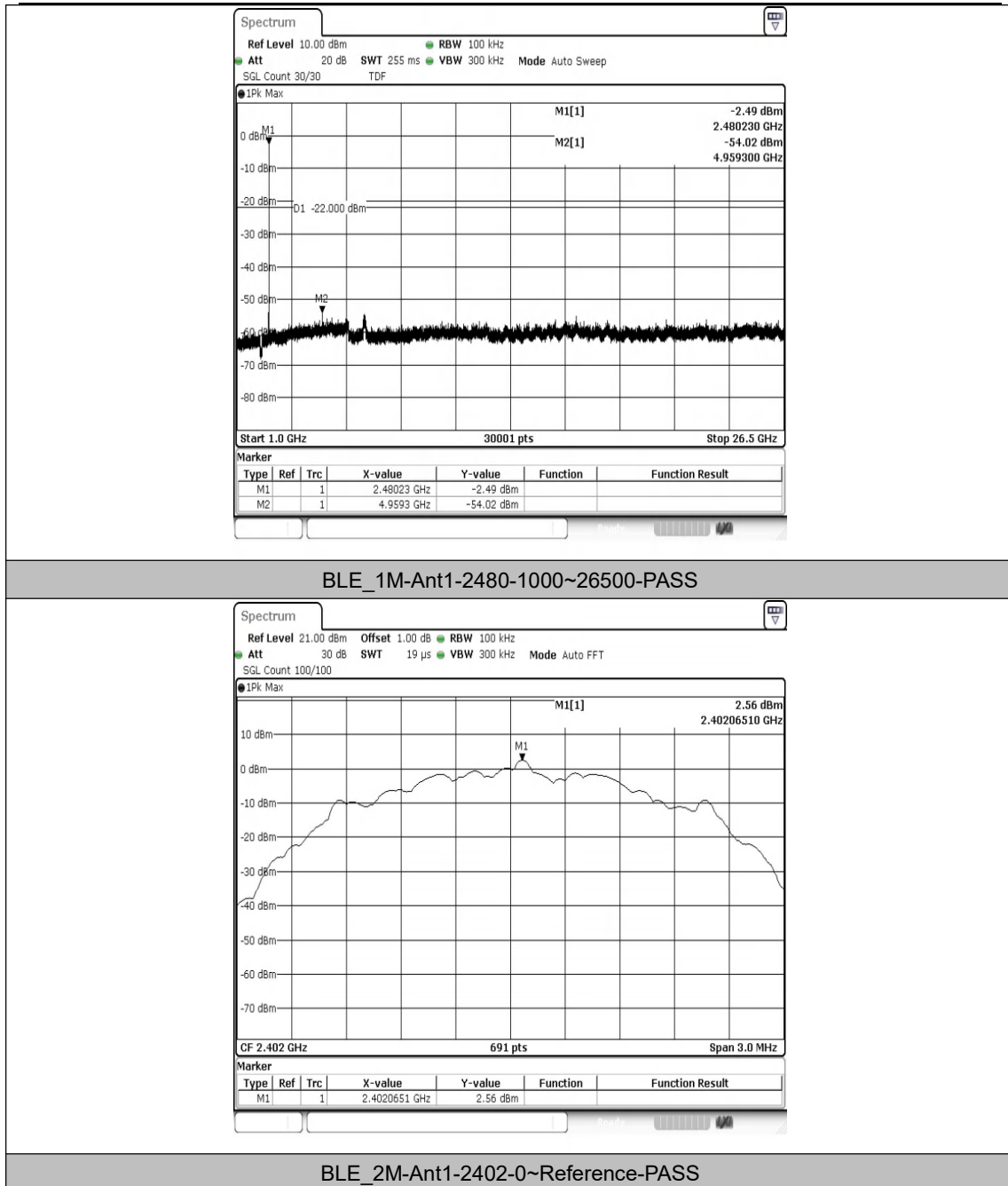
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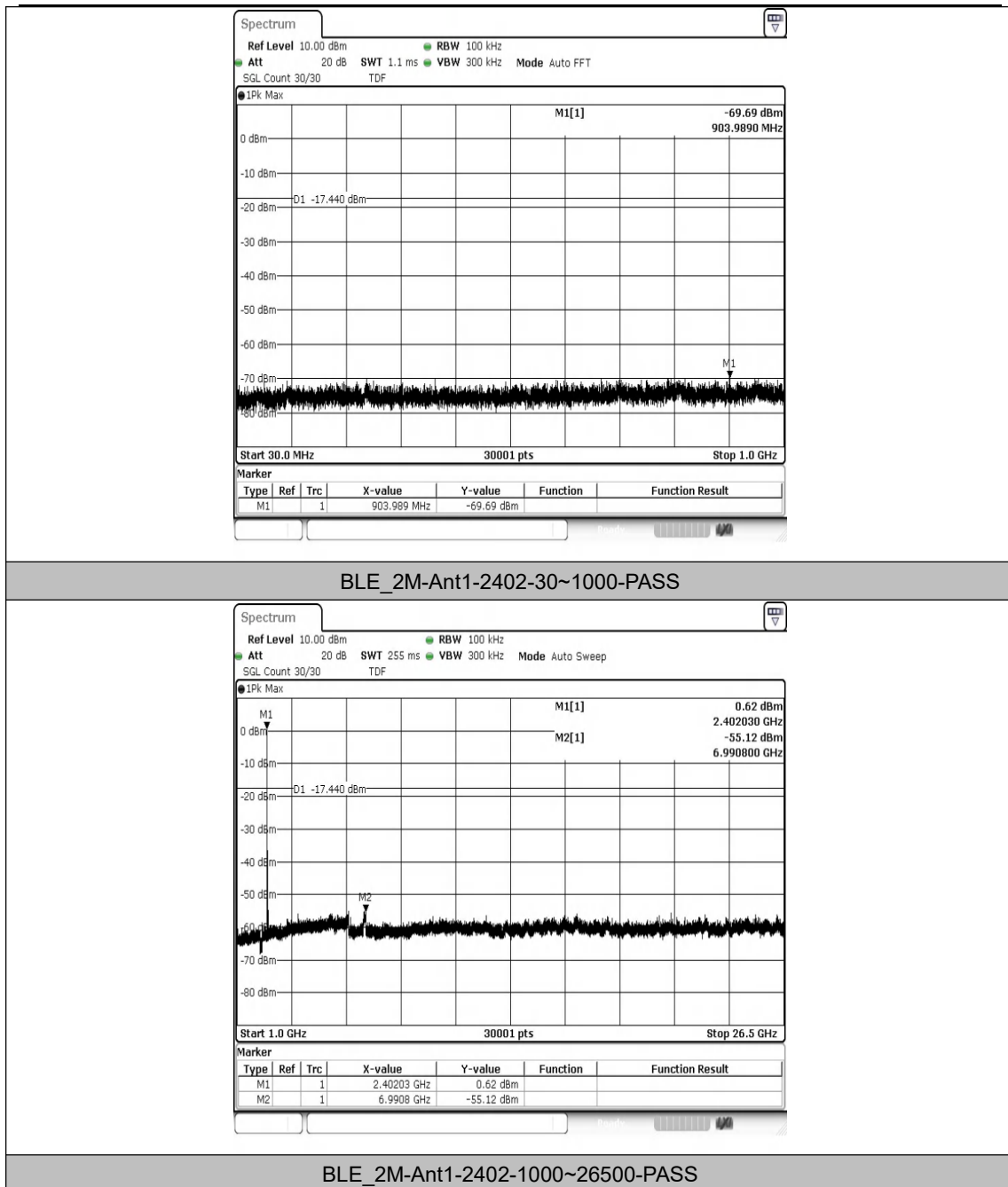
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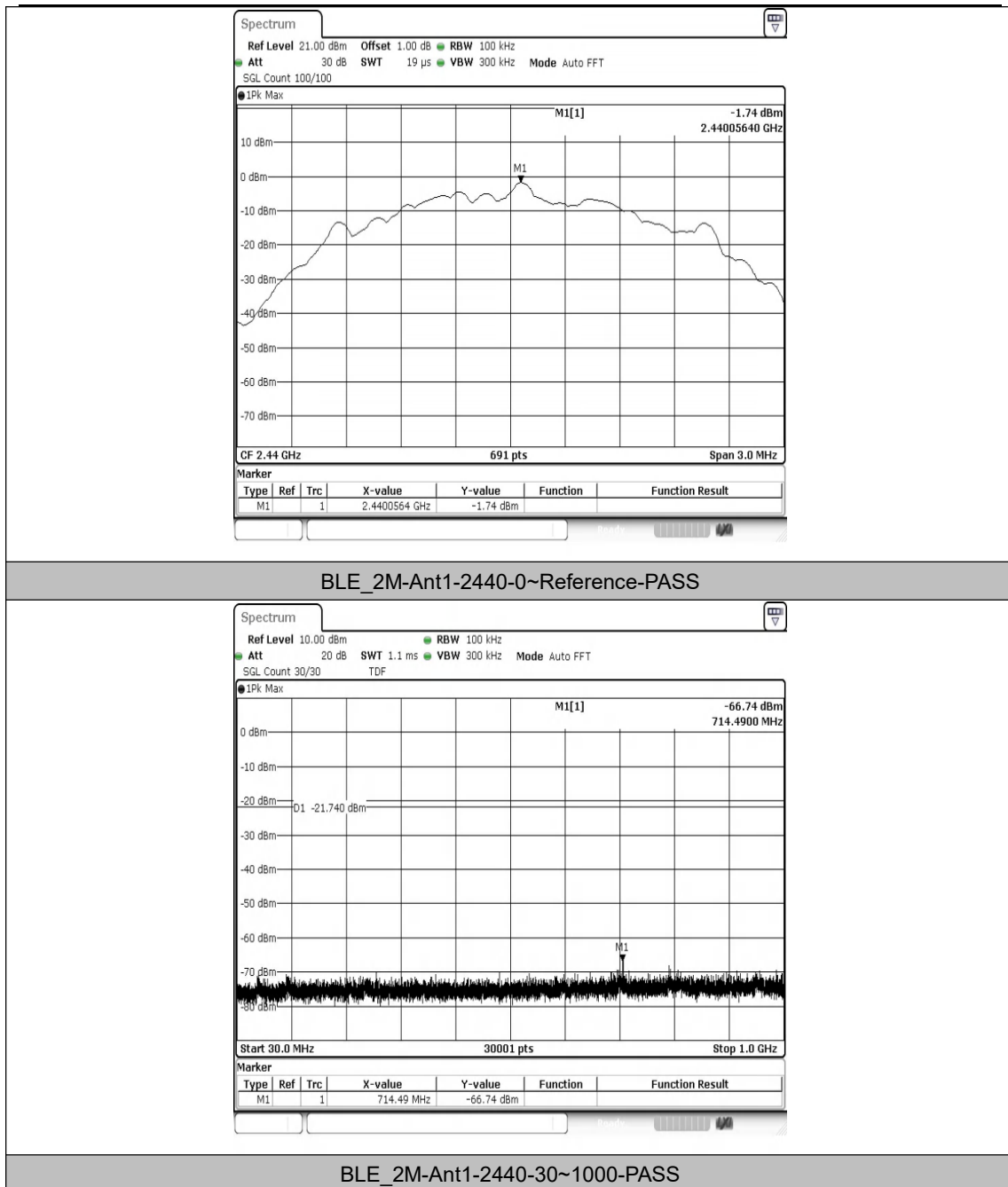
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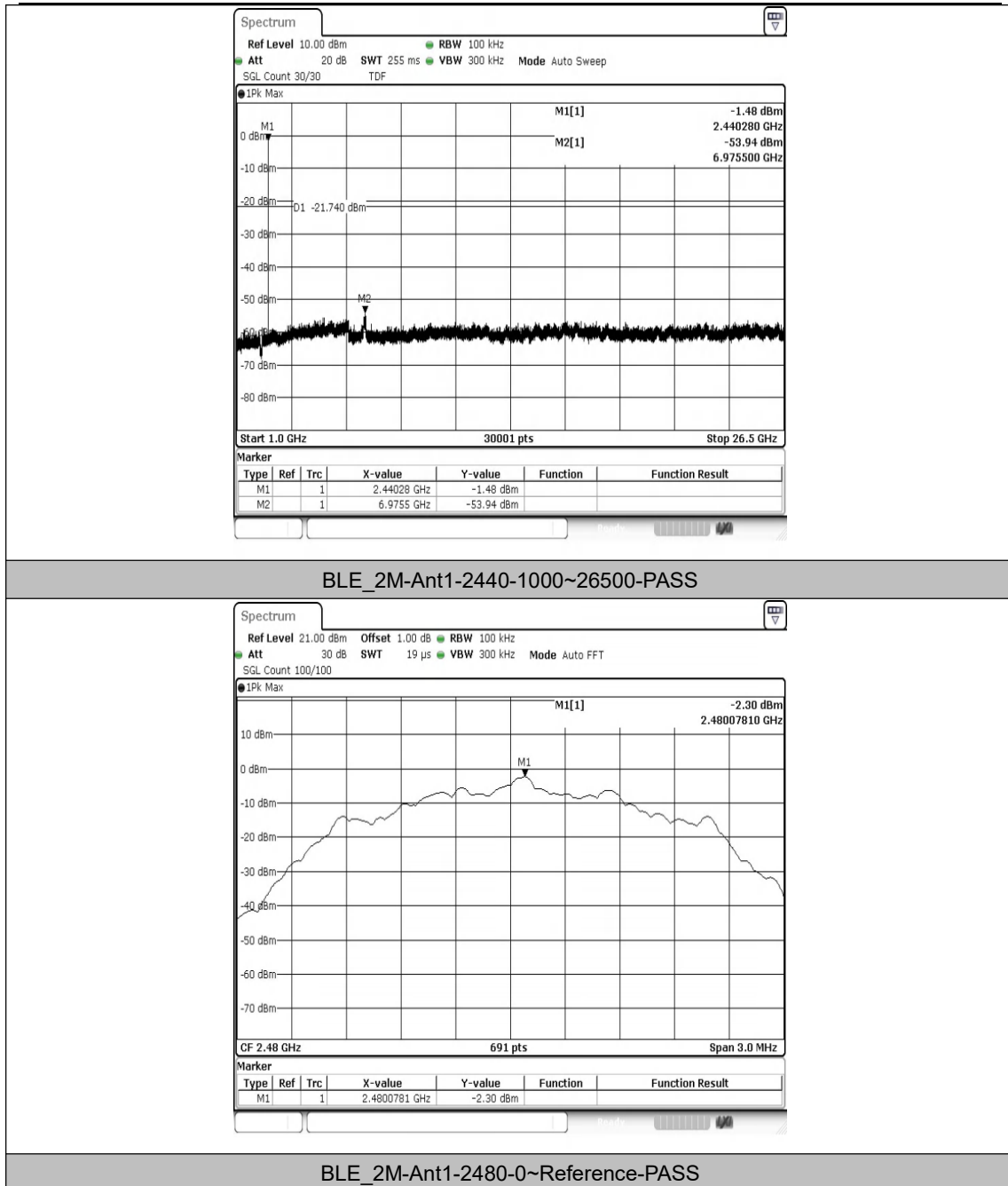
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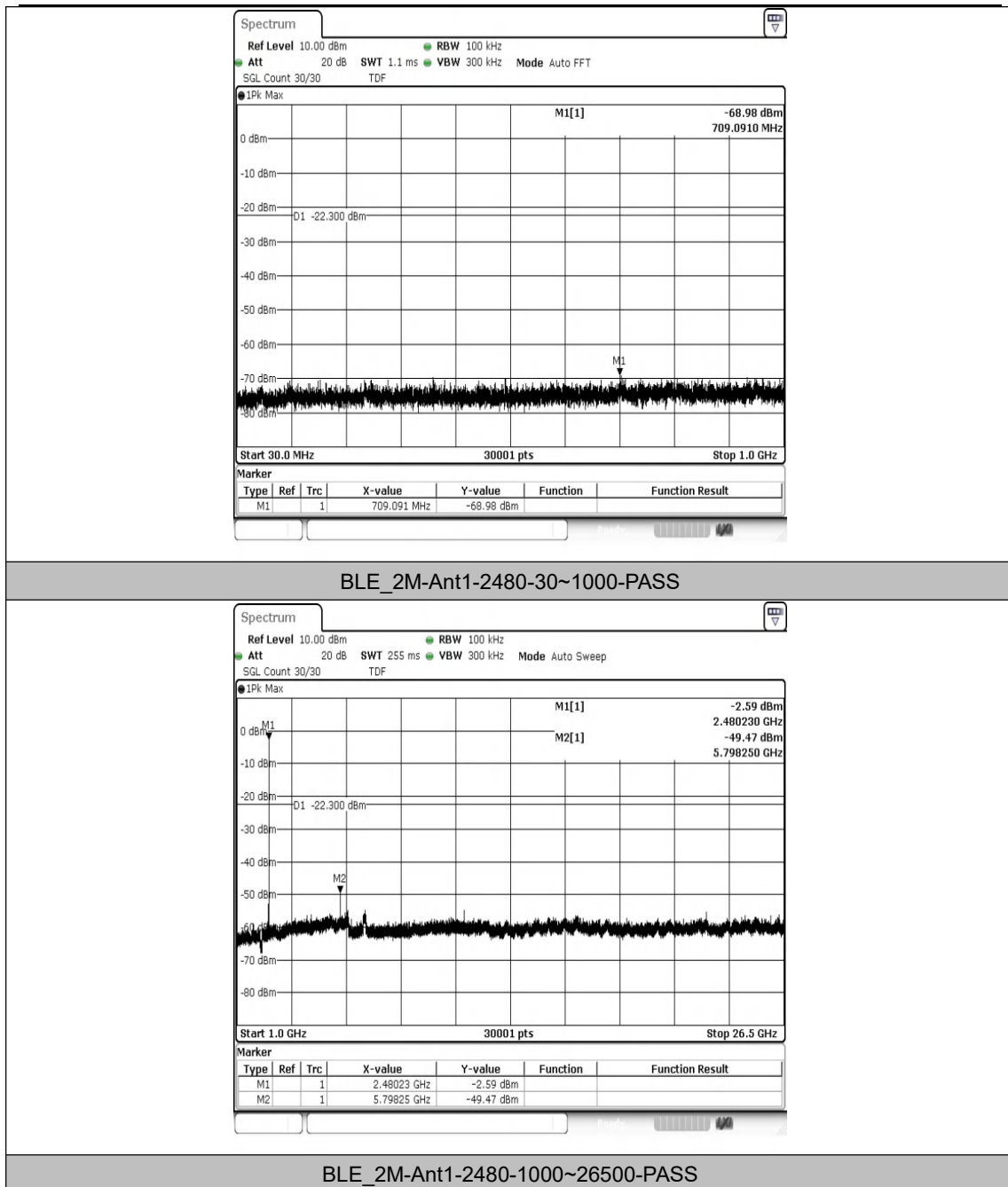
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.39	0.63	61.90	2.08
BLE_1M	Ant1	2440	0.39	0.63	61.90	2.08
BLE_1M	Ant1	2480	0.39	0.63	61.90	2.08
BLE_2M	Ant1	2402	0.21	0.63	33.33	4.77
BLE_2M	Ant1	2440	0.21	0.63	33.33	4.77
BLE_2M	Ant1	2480	0.21	0.63	33.33	4.77

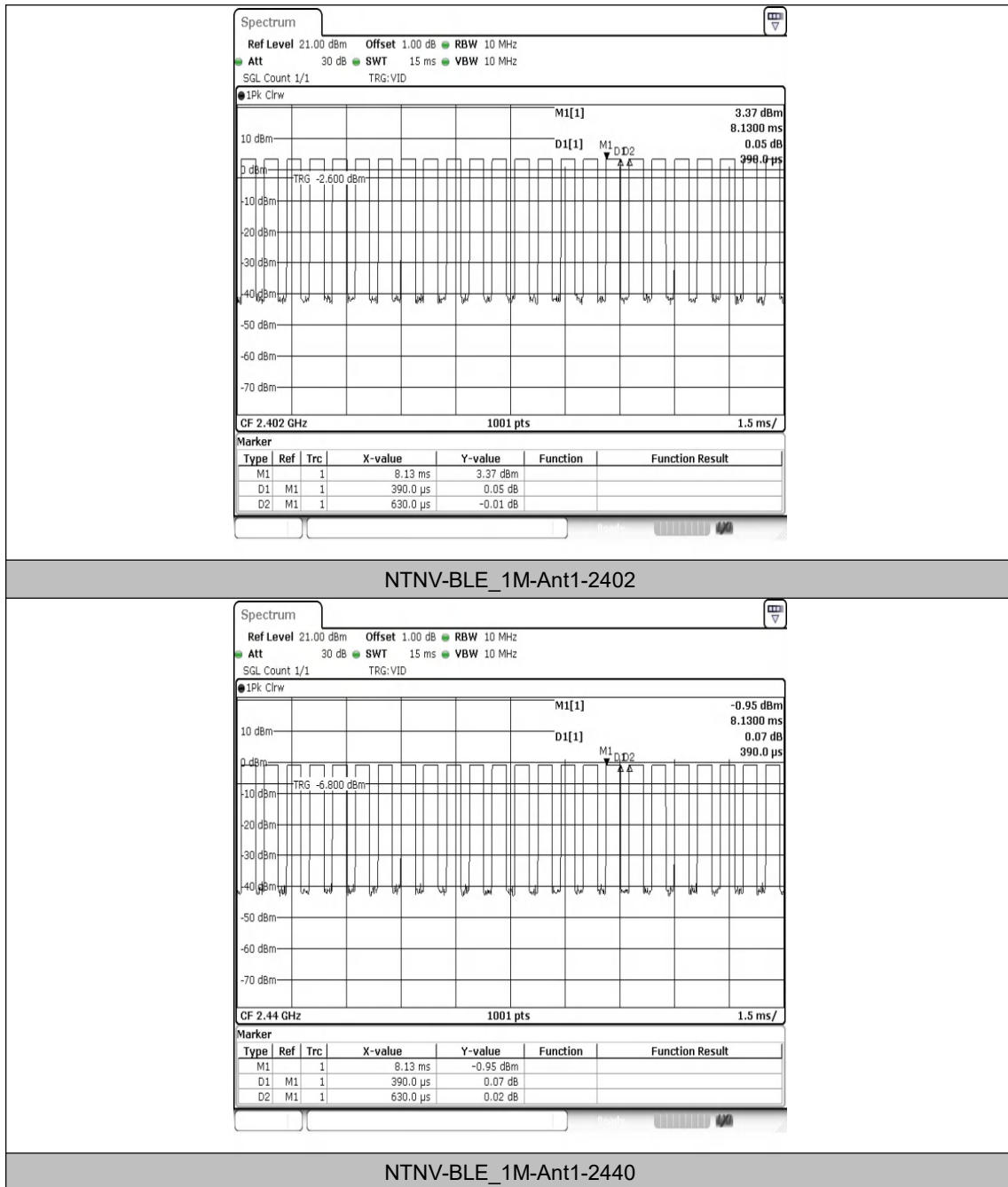
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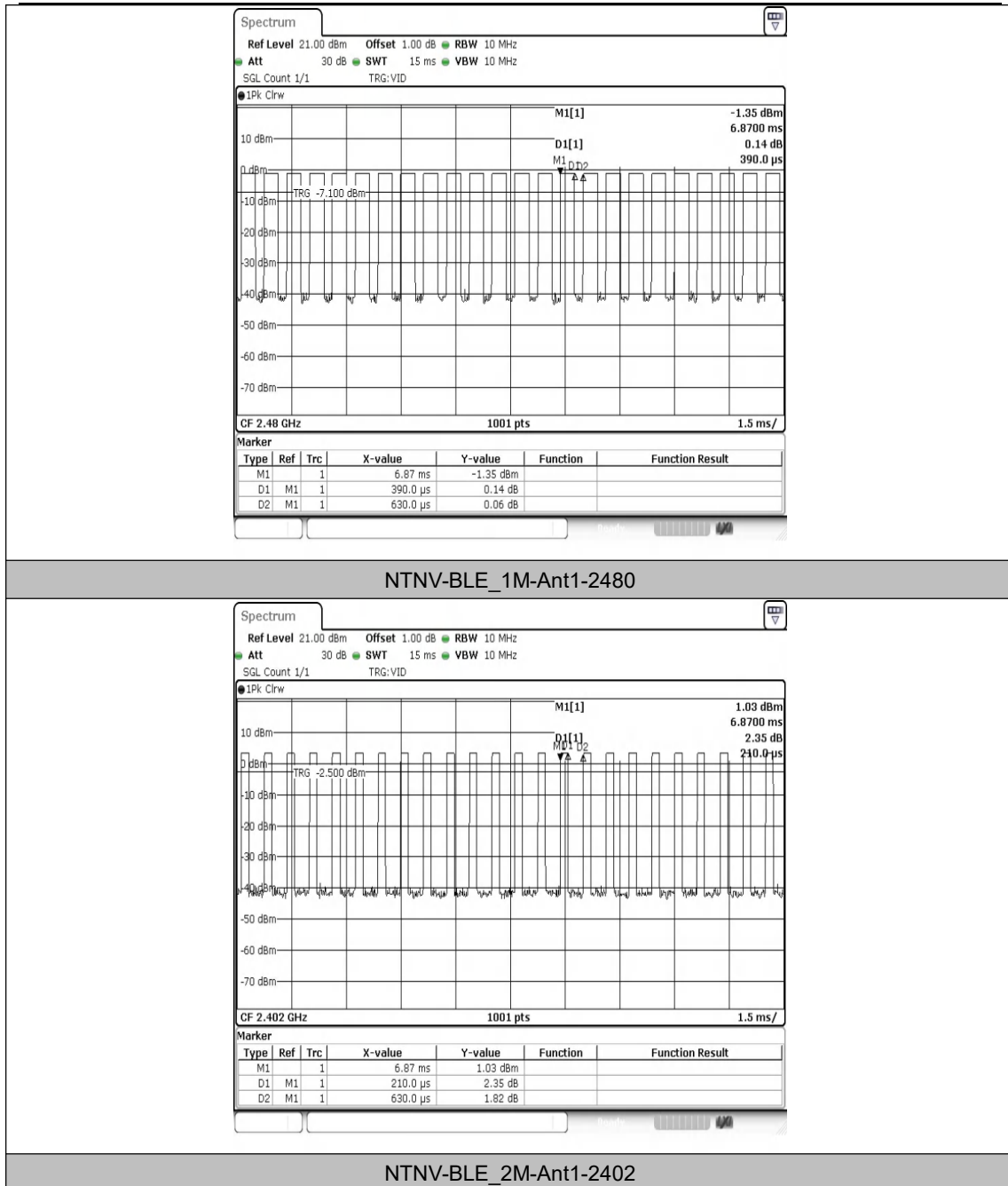
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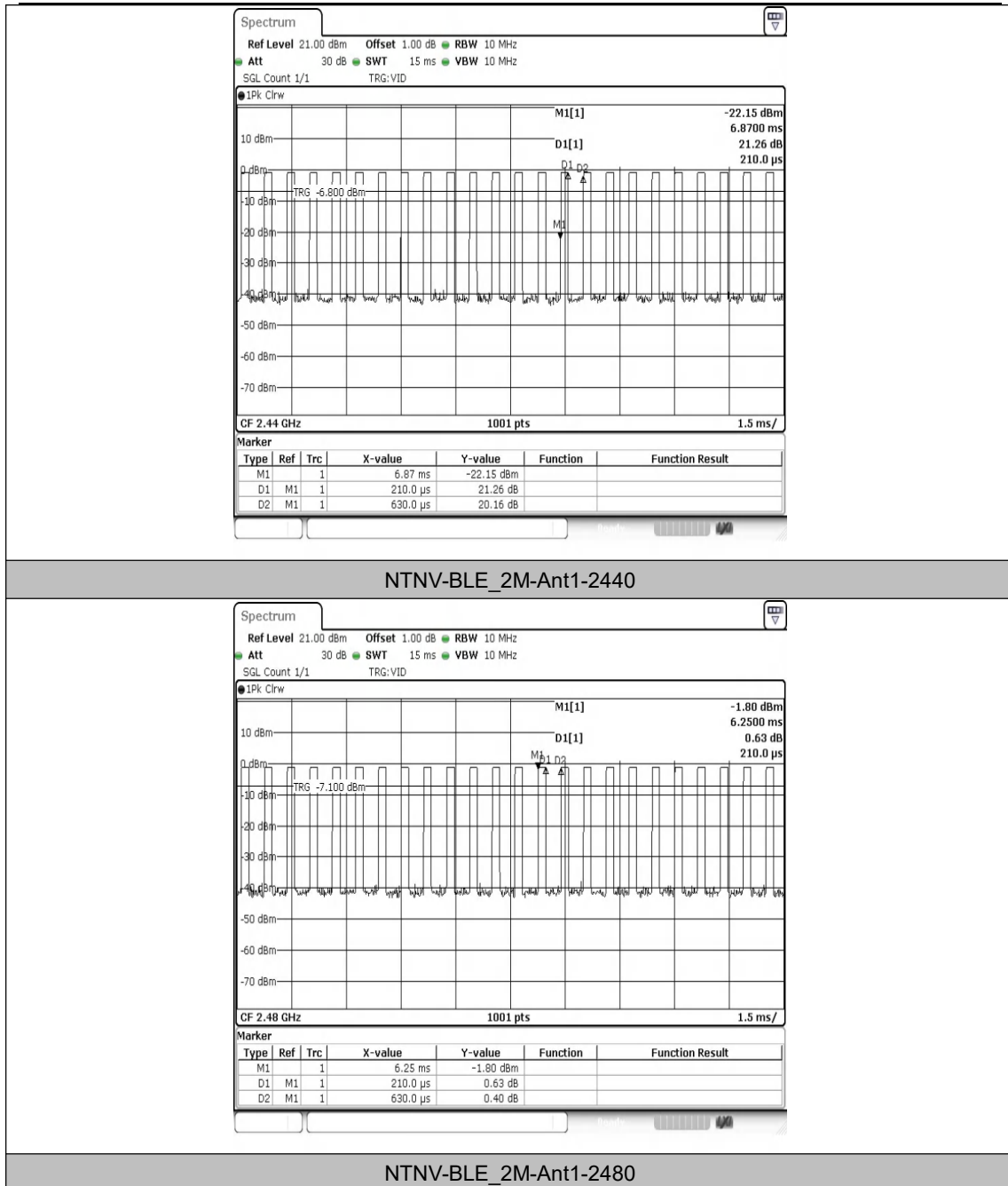


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Test Graphs







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