

Appendix Test Data

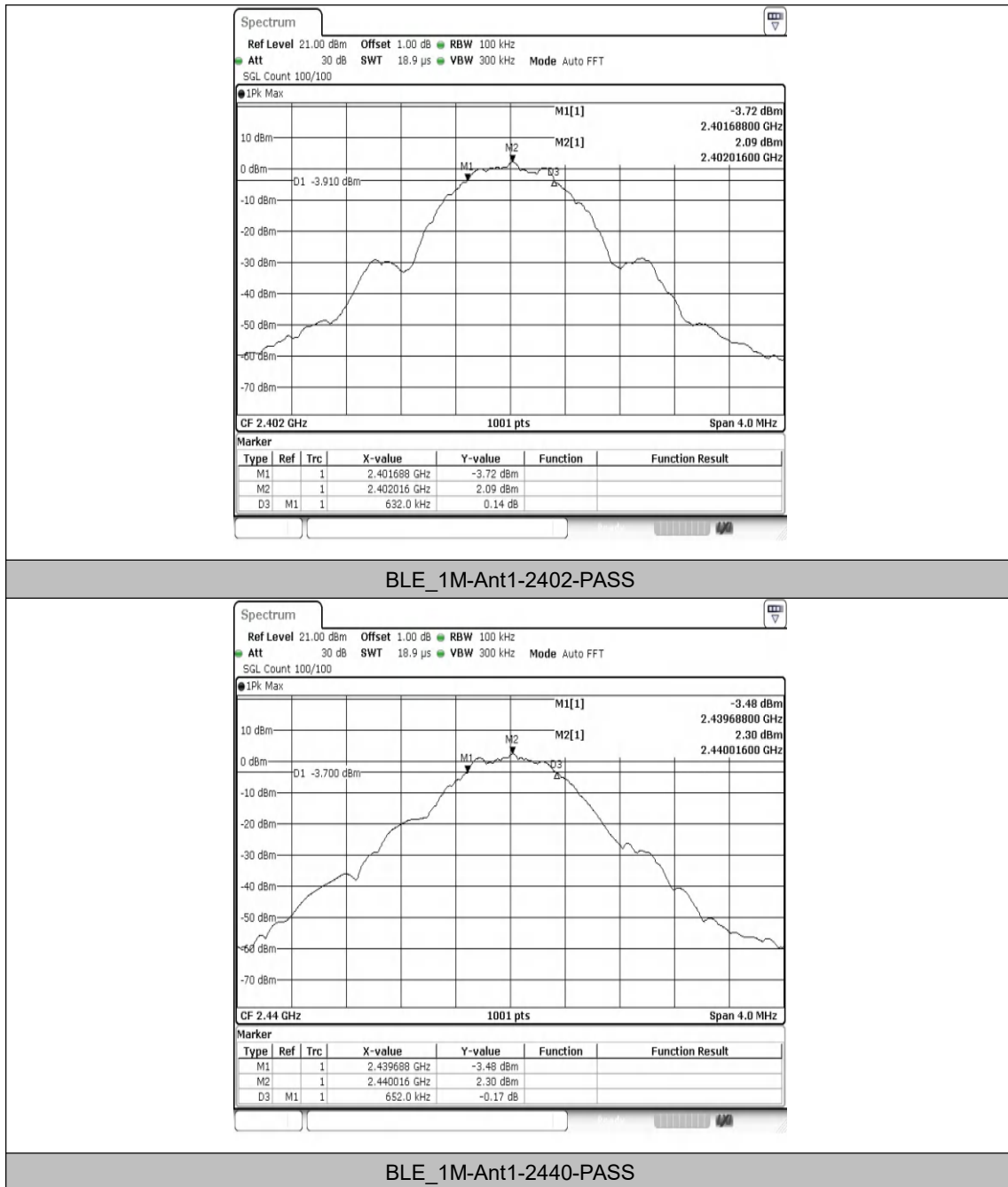
Report No.:	1811C50123412501	Test Sample No.:	1-2-2
Start Test Date:	2025-5-21	Finish Test Date:	2025-5-24
Test Engineer:	Hansen Guan	Auditor:	Justin Feng
Temperature:	25°C	Relative Humidity:	45%
Pressure:	101kPa		

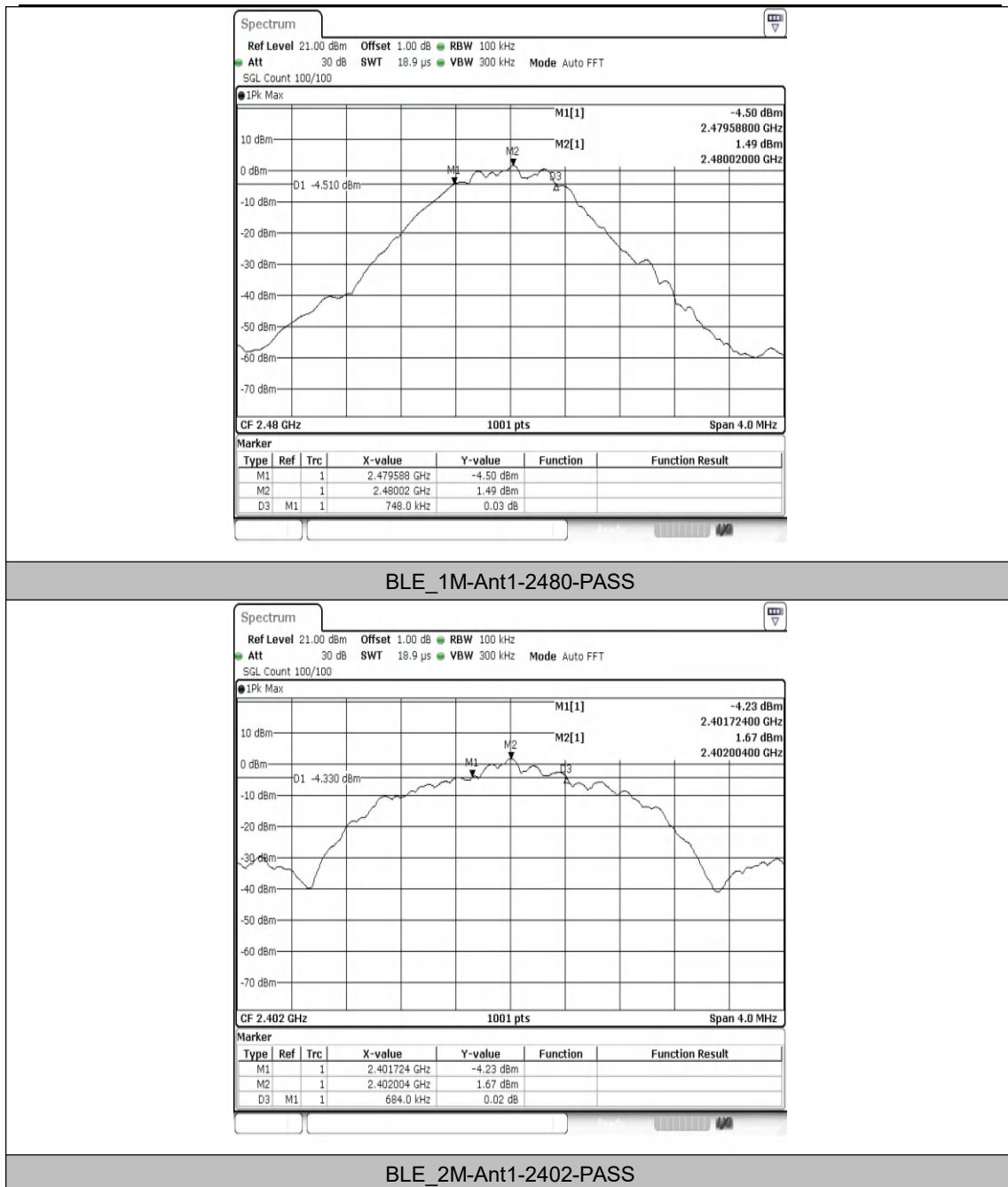
Appendix A: 6dB Bandwidth

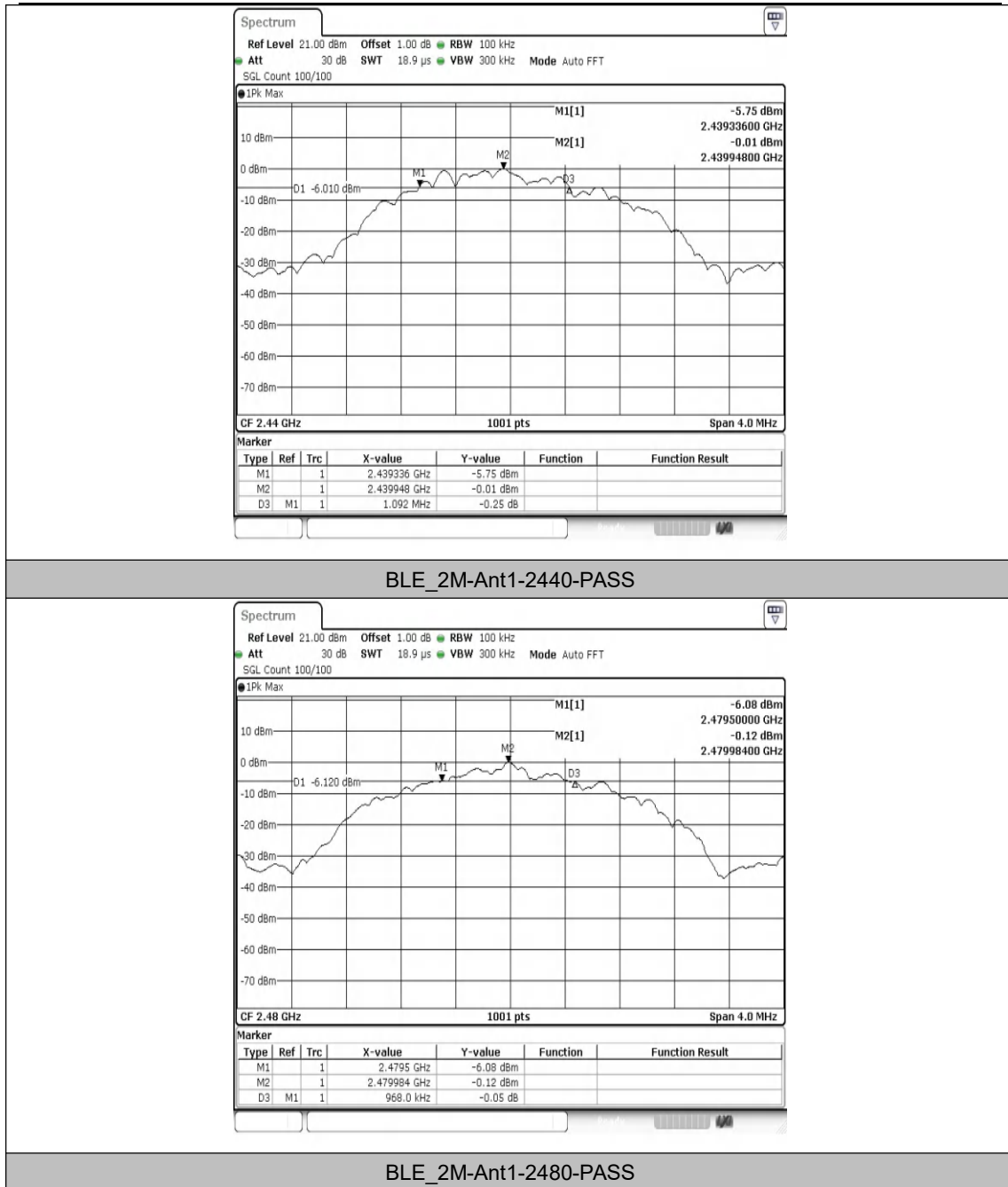
Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.63	2401.69	2402.32	0.5	PASS
BLE_1M	Ant1	2440	0.65	2439.69	2440.34	0.5	PASS
BLE_1M	Ant1	2480	0.75	2479.59	2480.34	0.5	PASS
BLE_2M	Ant1	2402	0.68	2401.72	2402.41	0.5	PASS
BLE_2M	Ant1	2440	1.09	2439.34	2440.43	0.5	PASS
BLE_2M	Ant1	2480	0.97	2479.50	2480.47	0.5	PASS

Test Graphs





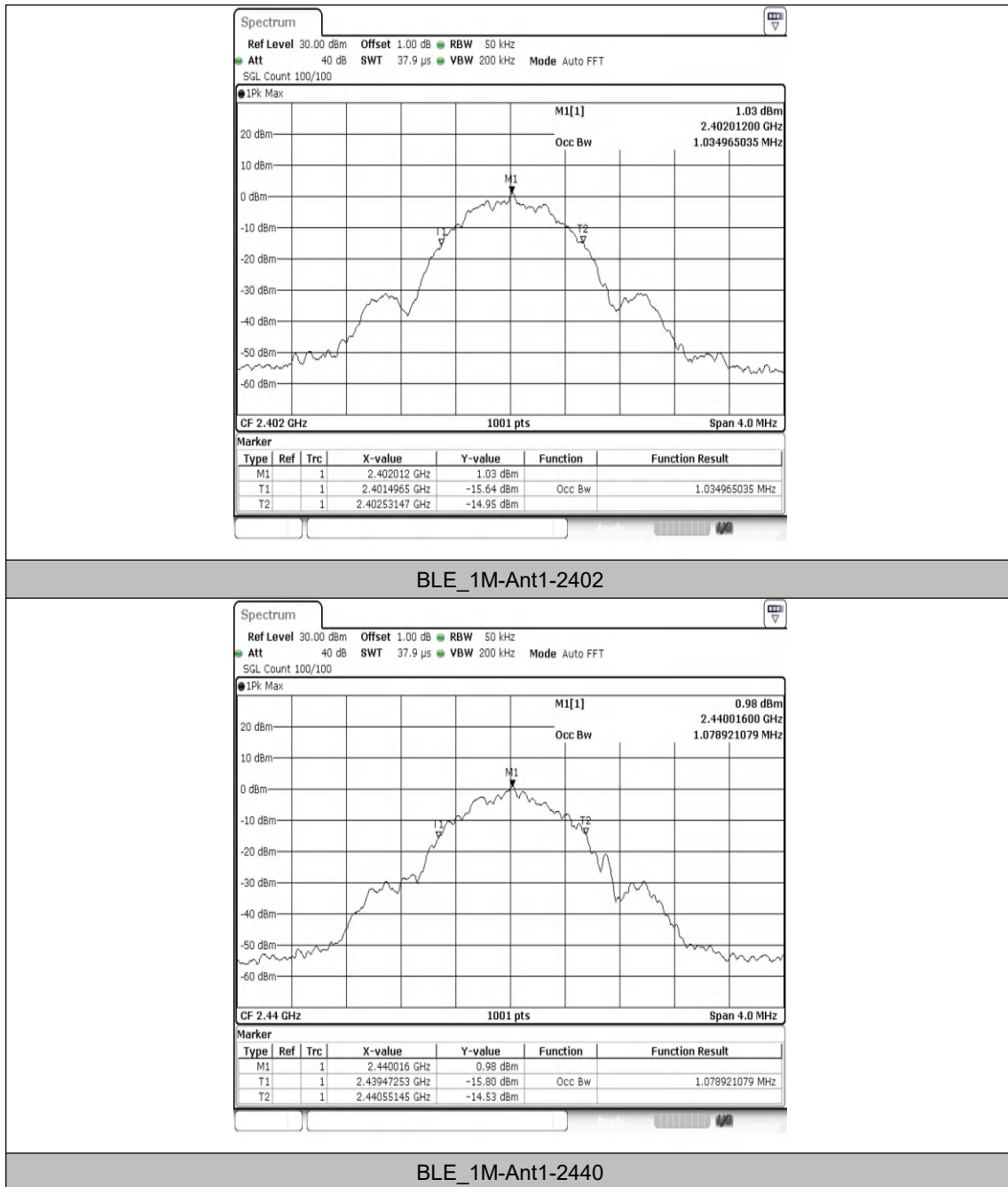


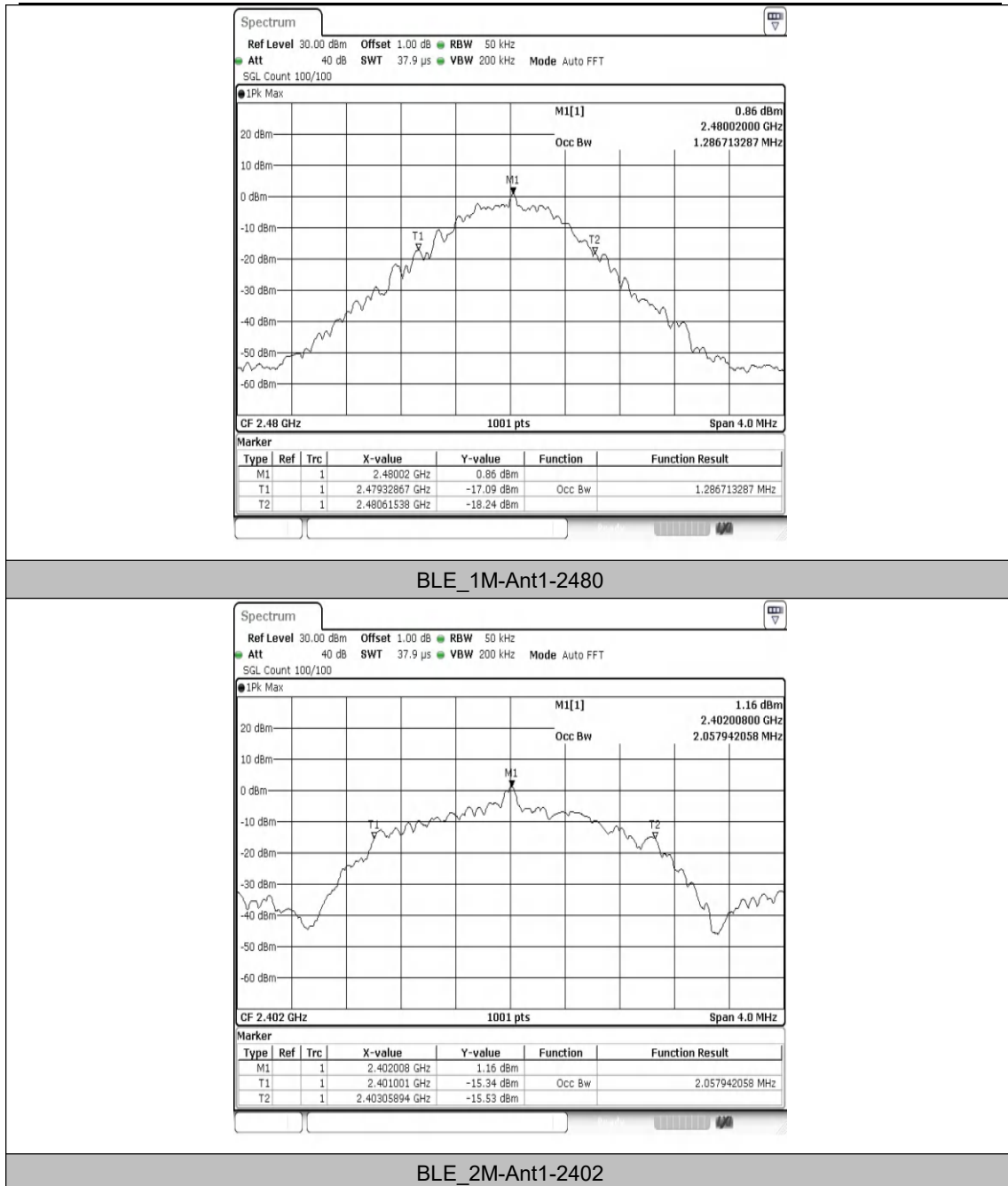
Appendix B: 99% Occupied Bandwidth

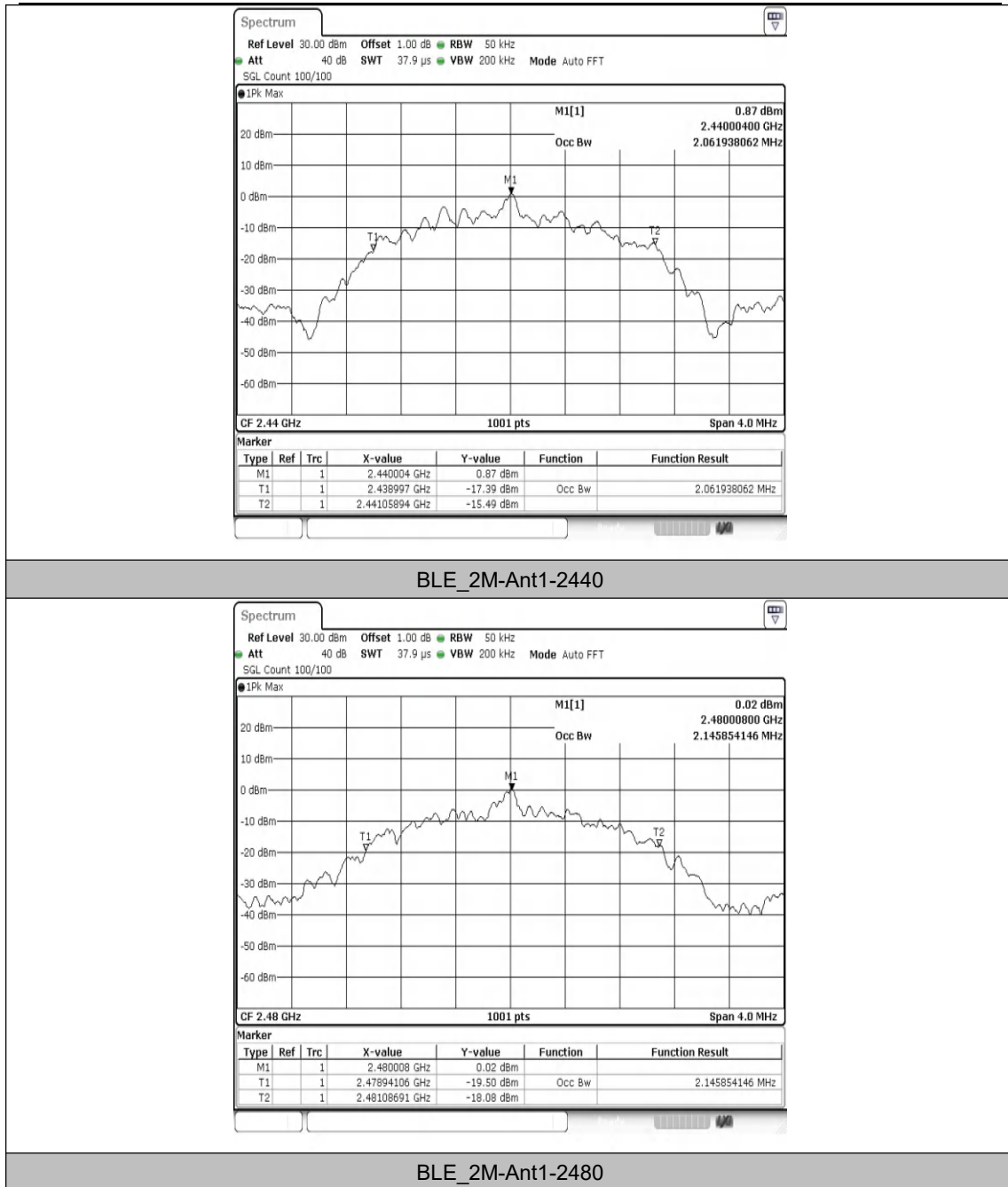
Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0350	2401.4965	2402.5315	---	---
BLE_1M	Ant1	2440	1.0789	2439.4725	2440.5514	---	---
BLE_1M	Ant1	2480	1.2867	2479.3287	2480.6154	---	---
BLE_2M	Ant1	2402	2.0579	2401.0010	2403.0589	---	---
BLE_2M	Ant1	2440	2.0619	2438.9970	2441.0589	---	---
BLE_2M	Ant1	2480	2.1459	2478.9411	2481.0869	---	---

Test Graphs





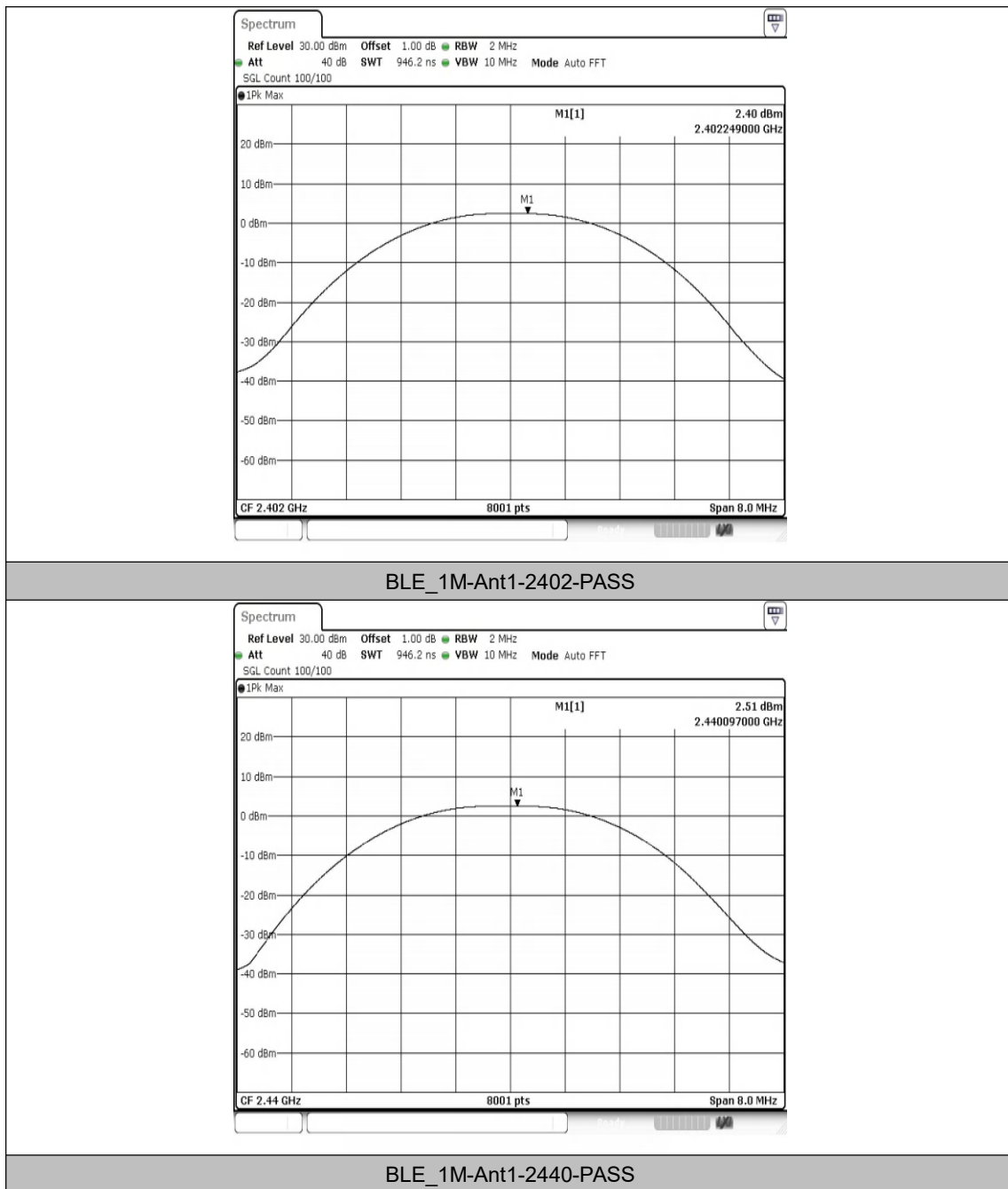


Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.40	≤30	PASS
BLE_1M	Ant1	2440	2.51	≤30	PASS
BLE_1M	Ant1	2480	1.98	≤30	PASS
BLE_2M	Ant1	2402	2.46	≤30	PASS
BLE_2M	Ant1	2440	2.45	≤30	PASS
BLE_2M	Ant1	2480	1.96	≤30	PASS

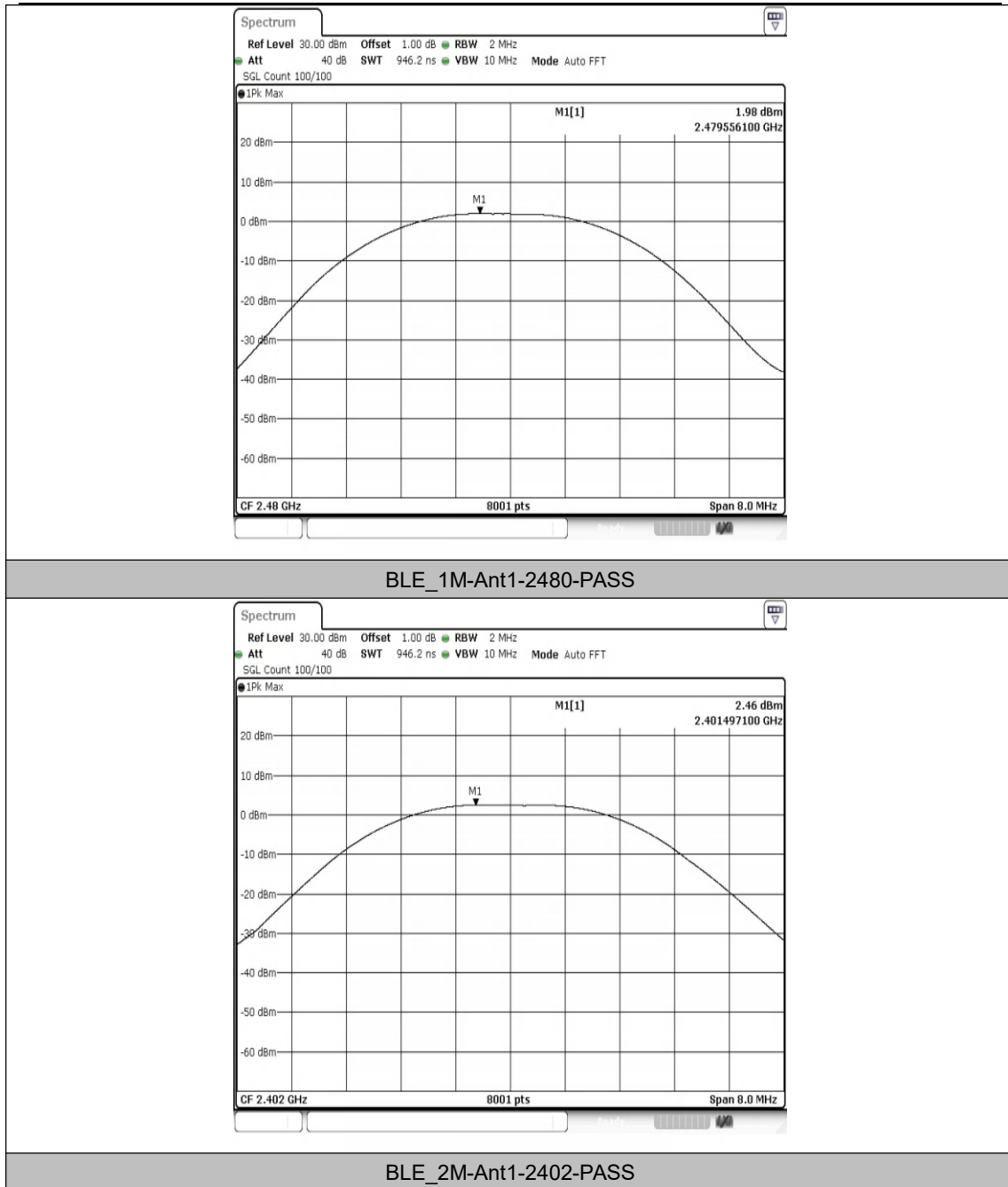
Test Graphs Peak



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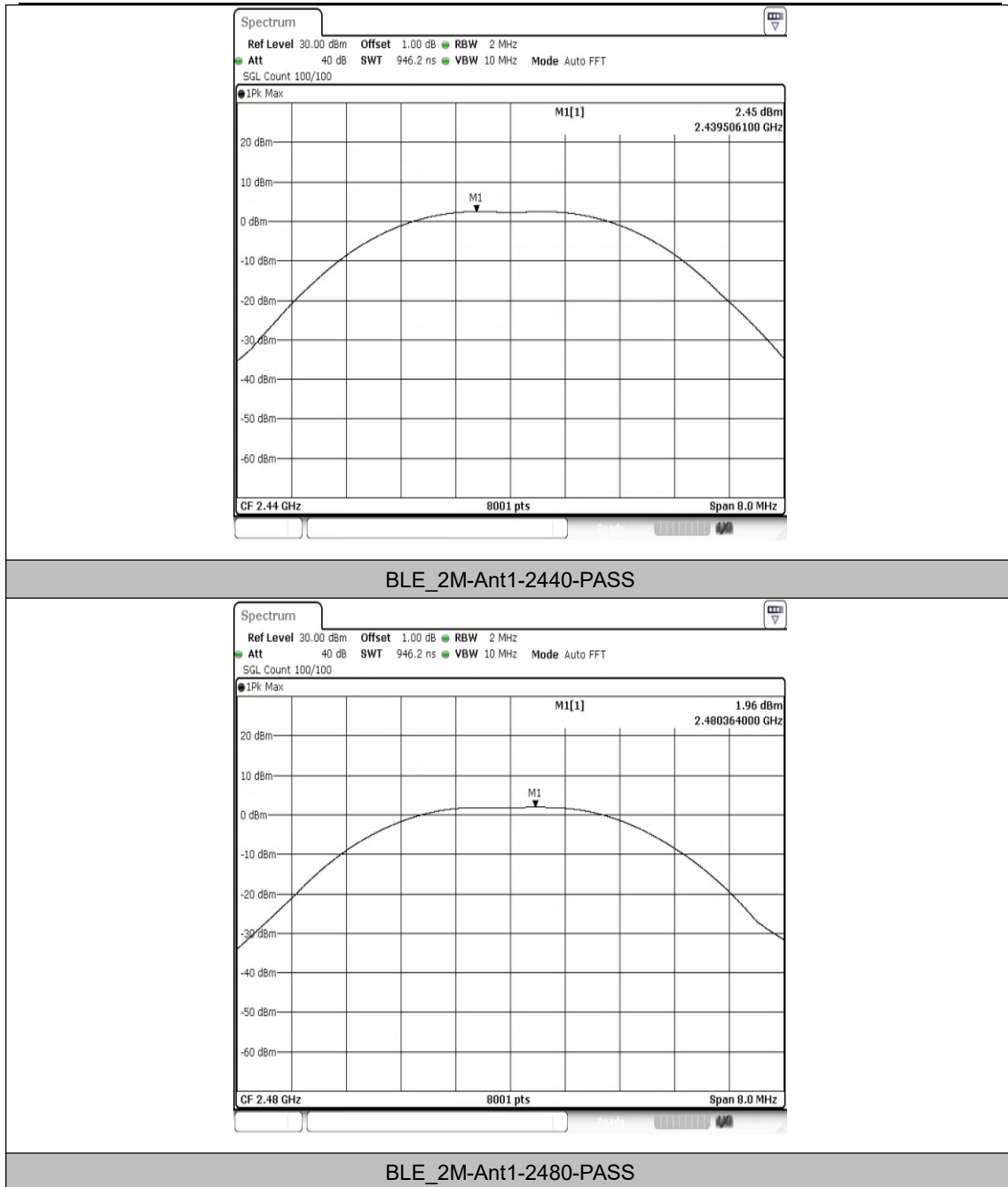
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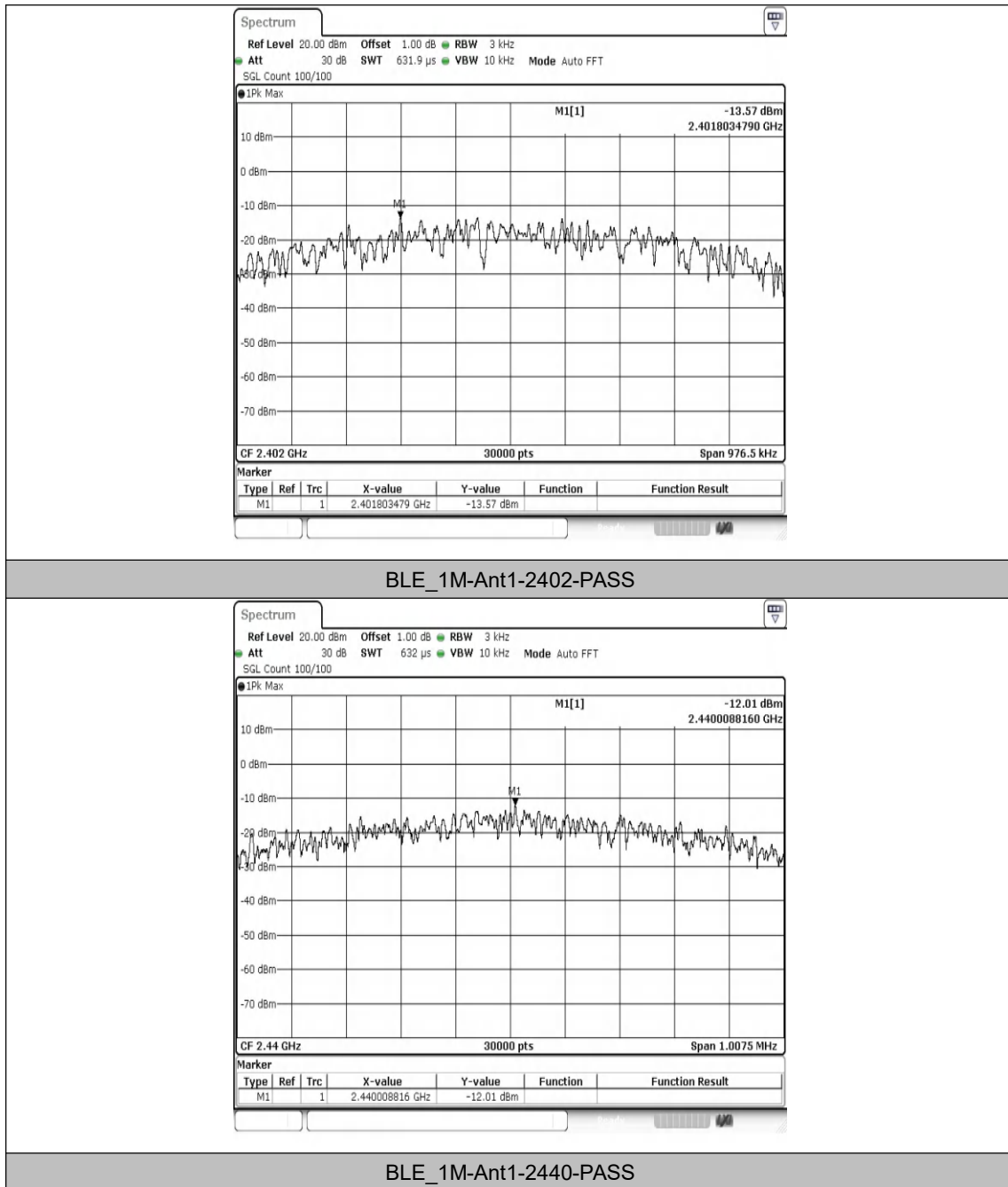
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.57	≤8.00	PASS
BLE_1M	Ant1	2440	-12.01	≤8.00	PASS
BLE_1M	Ant1	2480	-13.72	≤8.00	PASS
BLE_2M	Ant1	2402	-15.10	≤8.00	PASS
BLE_2M	Ant1	2440	-14.59	≤8.00	PASS
BLE_2M	Ant1	2480	-15.73	≤8.00	PASS

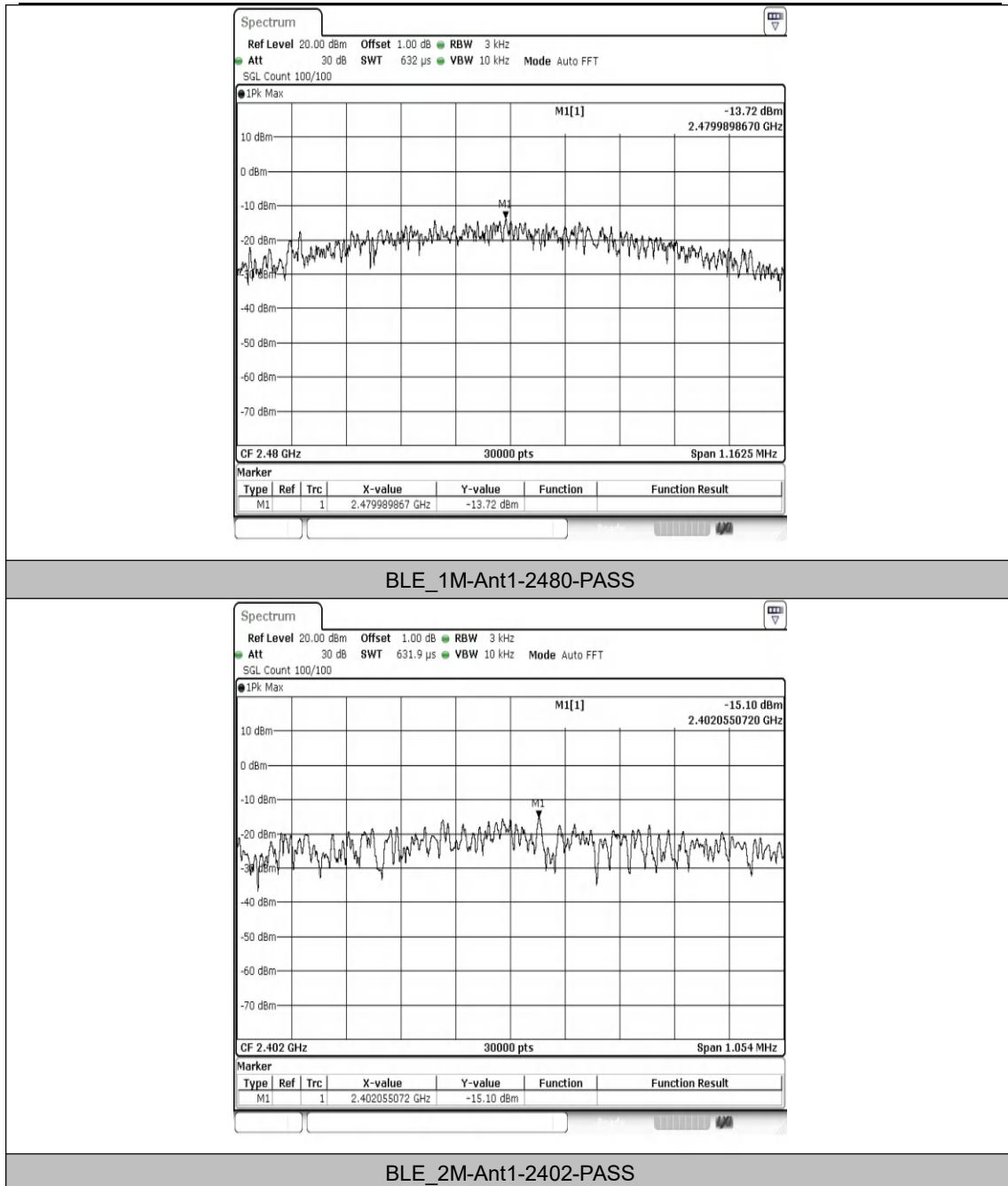
Test Graphs

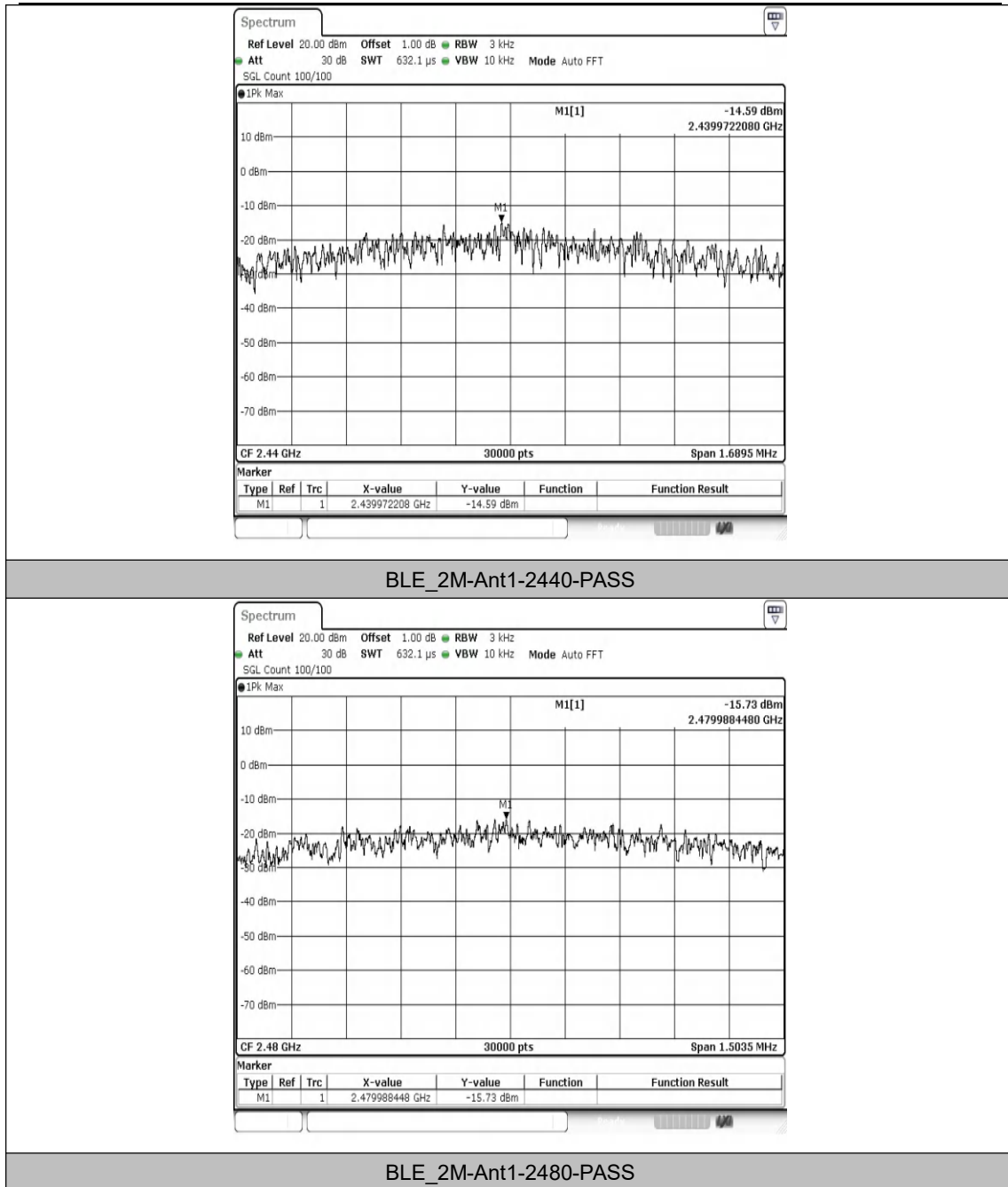


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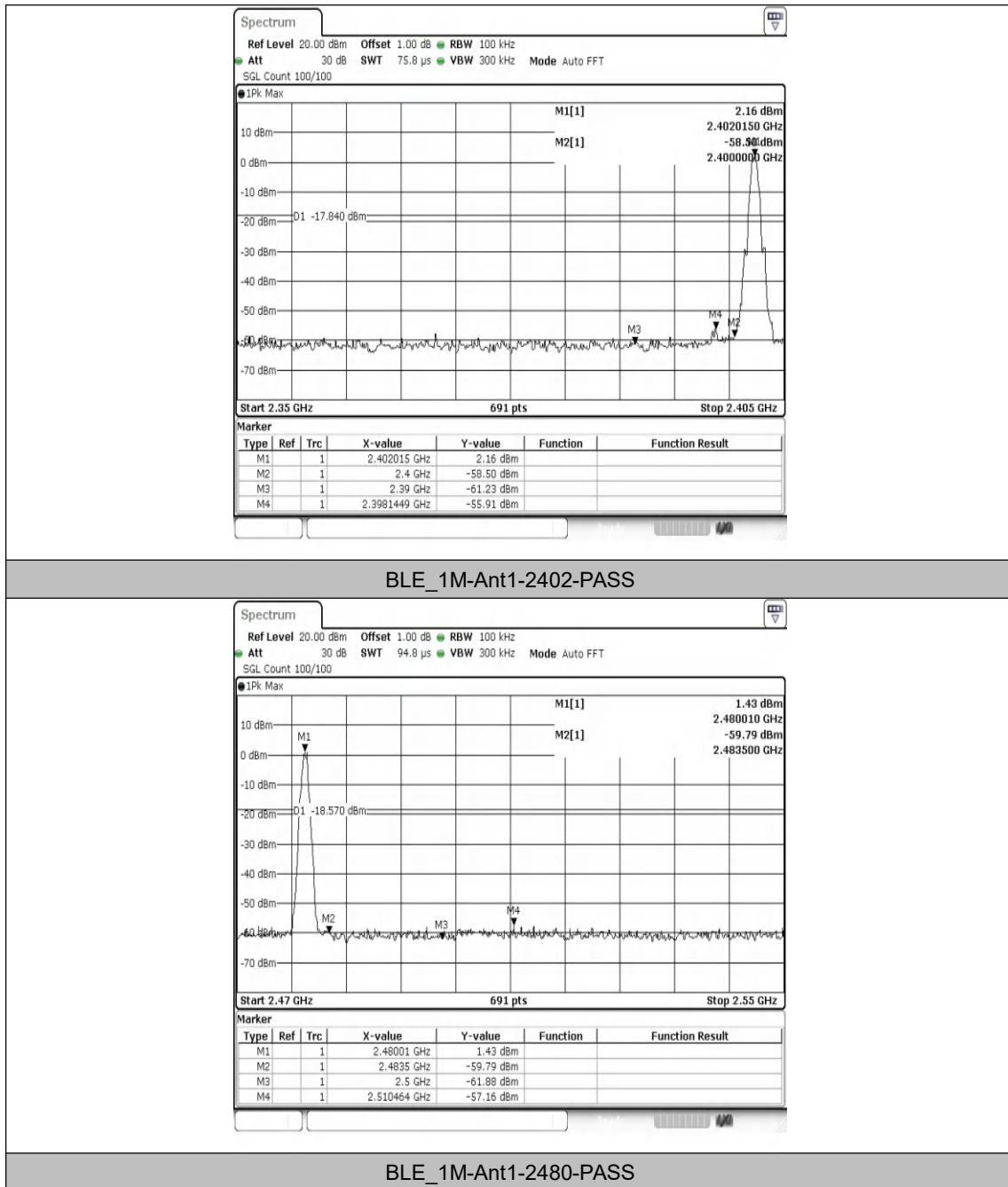
Appendix E: Band edge measurements

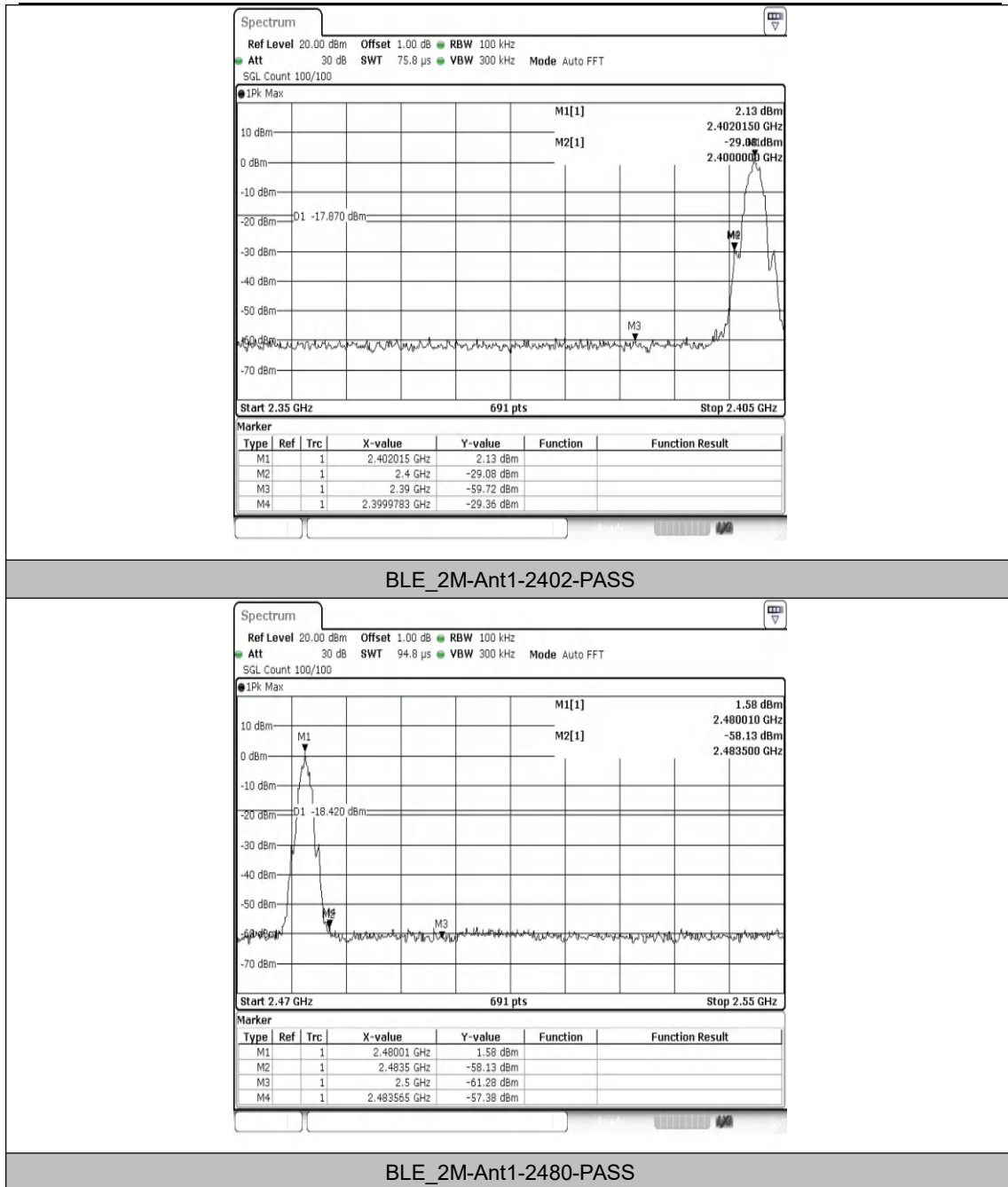
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.16	-55.91	≤-17.84	PASS
BLE_1M	Ant1	High	2480	1.43	-57.16	≤-18.57	PASS
BLE_2M	Ant1	Low	2402	2.13	-29.36	≤-17.87	PASS
BLE_2M	Ant1	High	2480	1.58	-57.38	≤-18.42	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





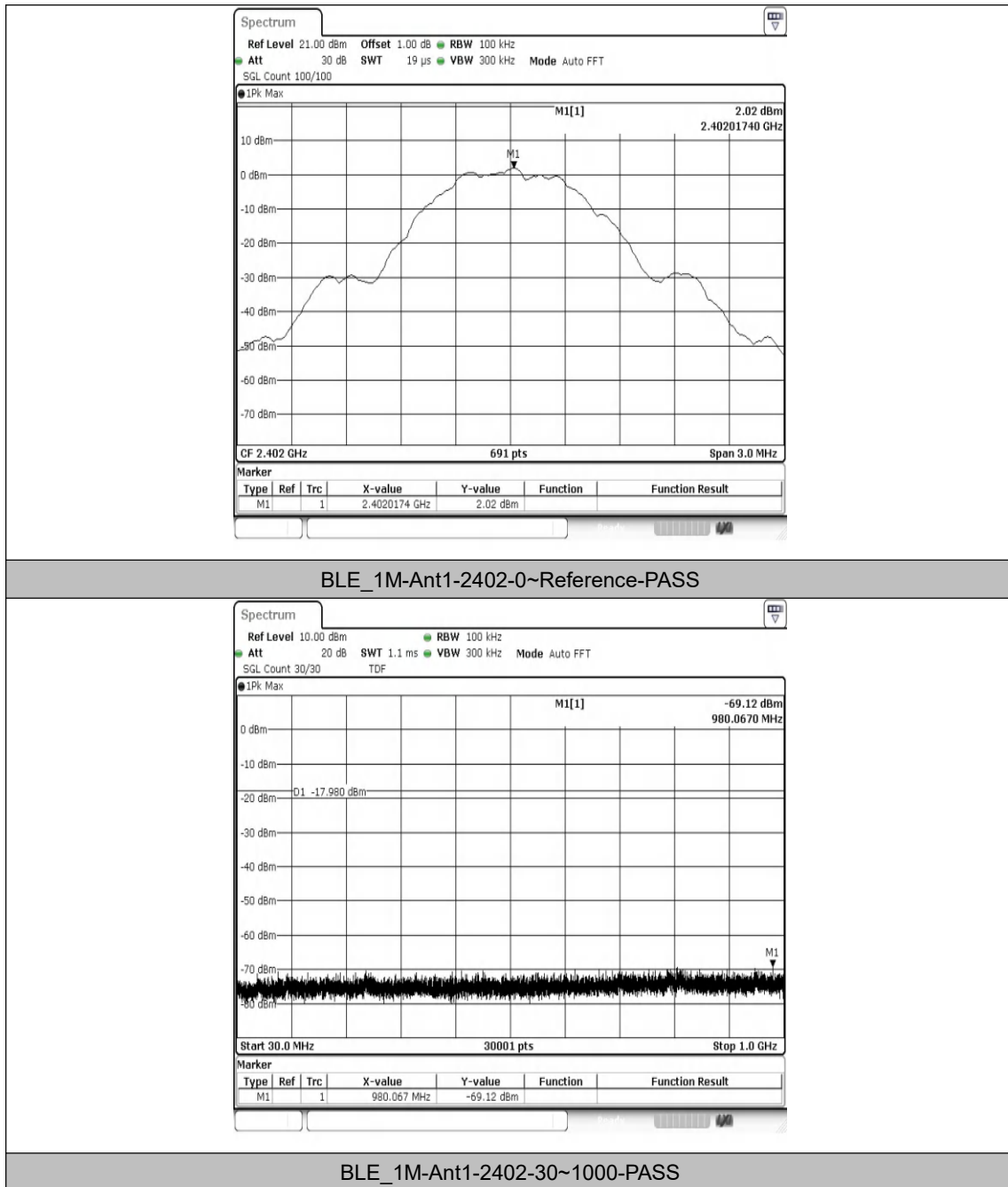
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	2.02	2.02	---	PASS
BLE_1M	Ant1	2402	30~1000	2.02	-69.12	≤-17.98	PASS
BLE_1M	Ant1	2402	1000~26500	2.02	-40.91	≤-17.98	PASS
BLE_1M	Ant1	2440	0~Reference	1.51	1.51	---	PASS
BLE_1M	Ant1	2440	30~1000	1.51	-69.08	≤-18.49	PASS
BLE_1M	Ant1	2440	1000~26500	1.51	-43.51	≤-18.49	PASS
BLE_1M	Ant1	2480	0~Reference	0.89	0.89	---	PASS
BLE_1M	Ant1	2480	30~1000	0.89	-52.63	≤-19.11	PASS
BLE_1M	Ant1	2480	1000~26500	0.89	-41.5	≤-19.11	PASS
BLE_2M	Ant1	2402	0~Reference	2.22	2.22	---	PASS
BLE_2M	Ant1	2402	30~1000	2.22	-69.34	≤-17.78	PASS
BLE_2M	Ant1	2402	1000~26500	2.22	-43.69	≤-17.78	PASS
BLE_2M	Ant1	2440	0~Reference	1.96	1.96	---	PASS
BLE_2M	Ant1	2440	30~1000	1.96	-60.95	≤-18.04	PASS
BLE_2M	Ant1	2440	1000~26500	1.96	-41.78	≤-18.04	PASS
BLE_2M	Ant1	2480	0~Reference	1.55	1.55	---	PASS
BLE_2M	Ant1	2480	30~1000	1.55	-67.77	≤-18.45	PASS
BLE_2M	Ant1	2480	1000~26500	1.55	-40.94	≤-18.45	PASS

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

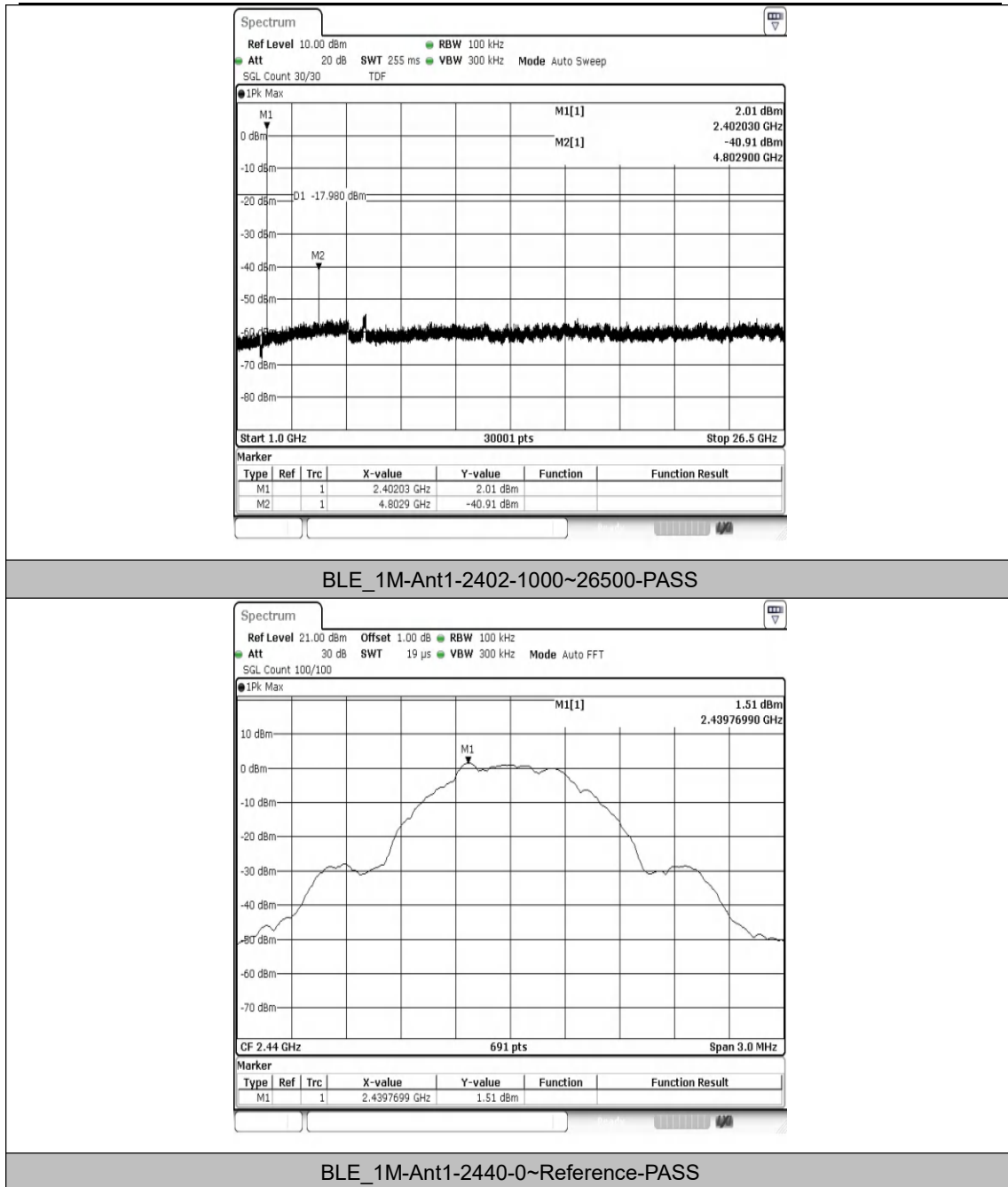
Test Graphs



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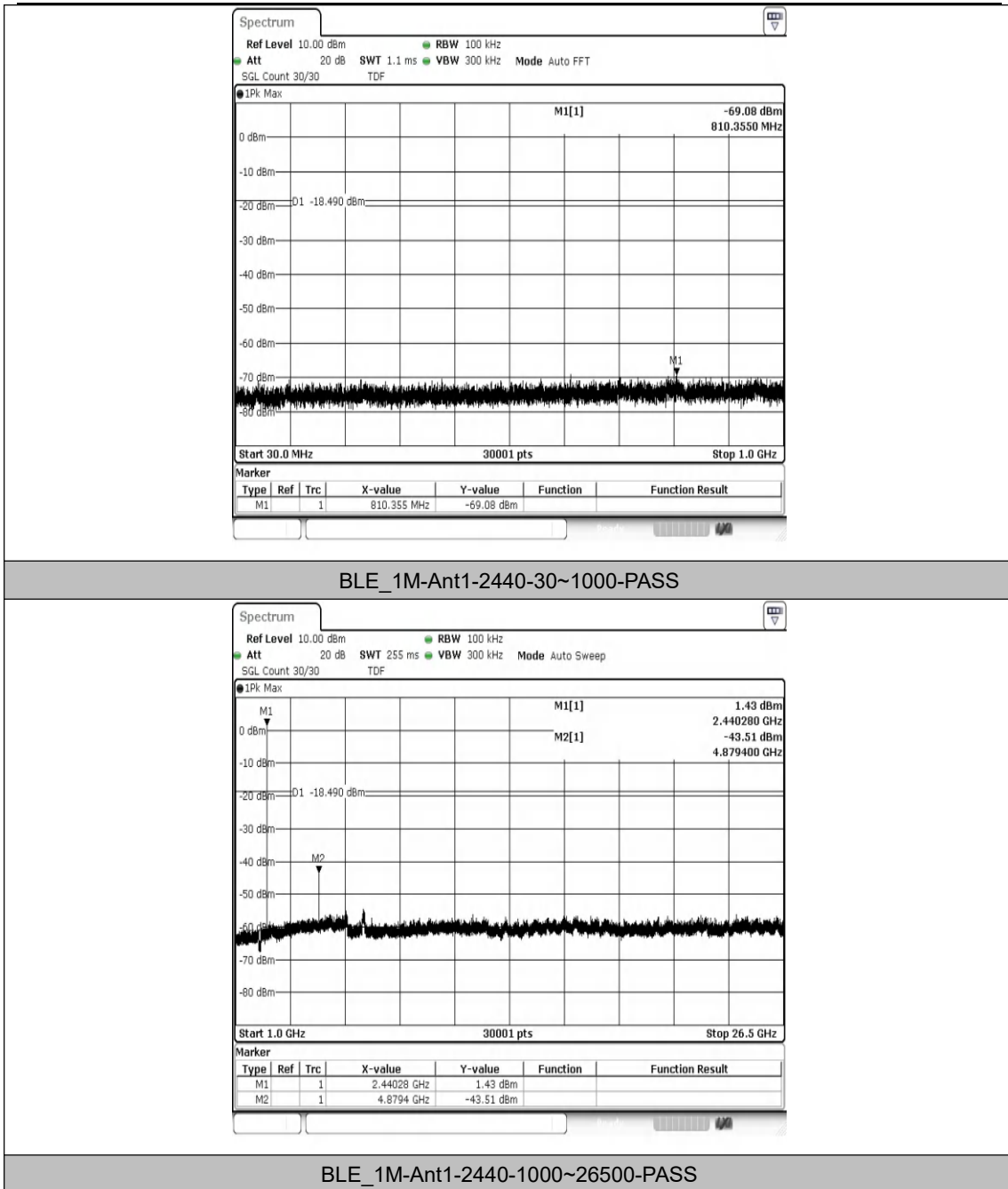
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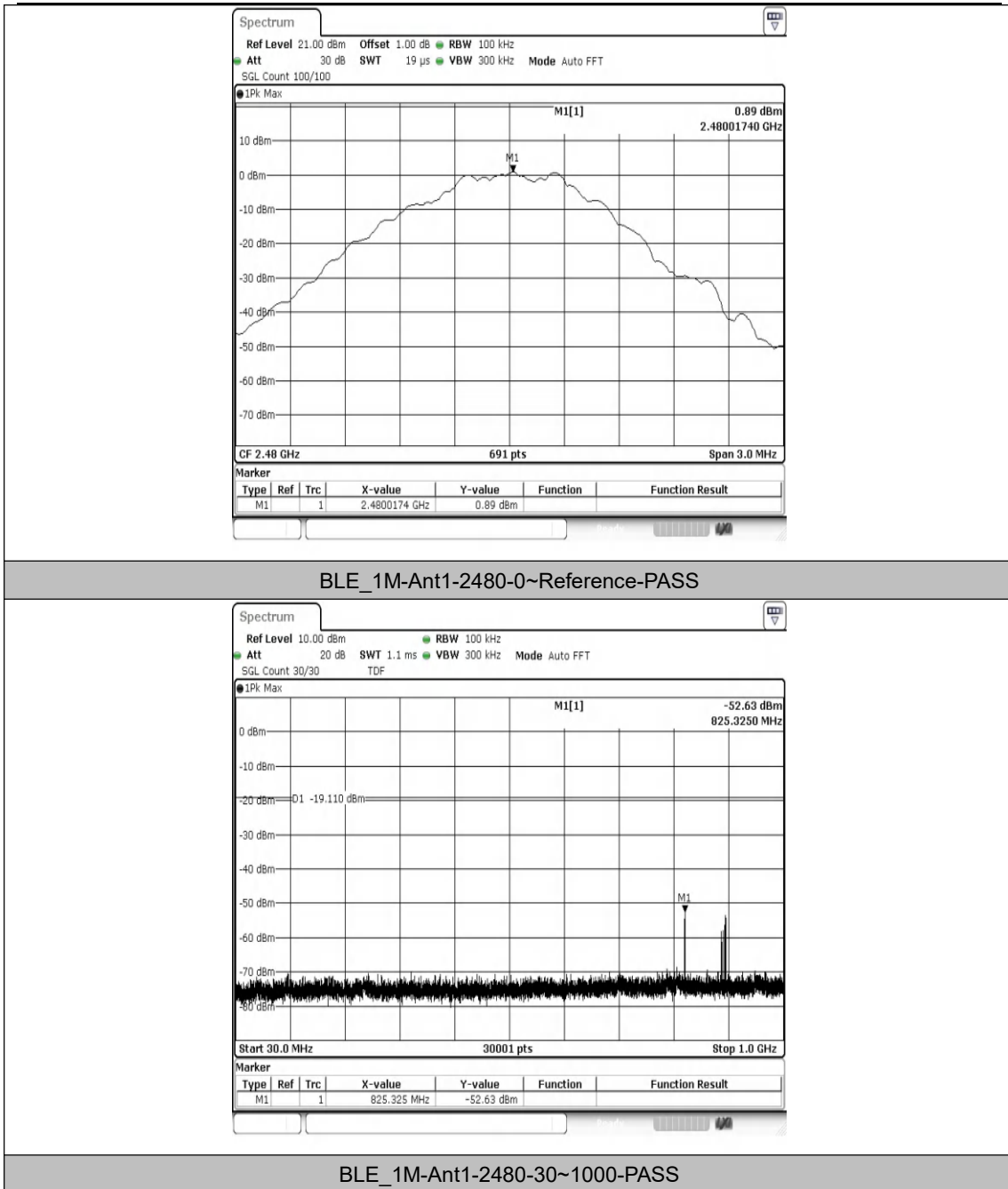
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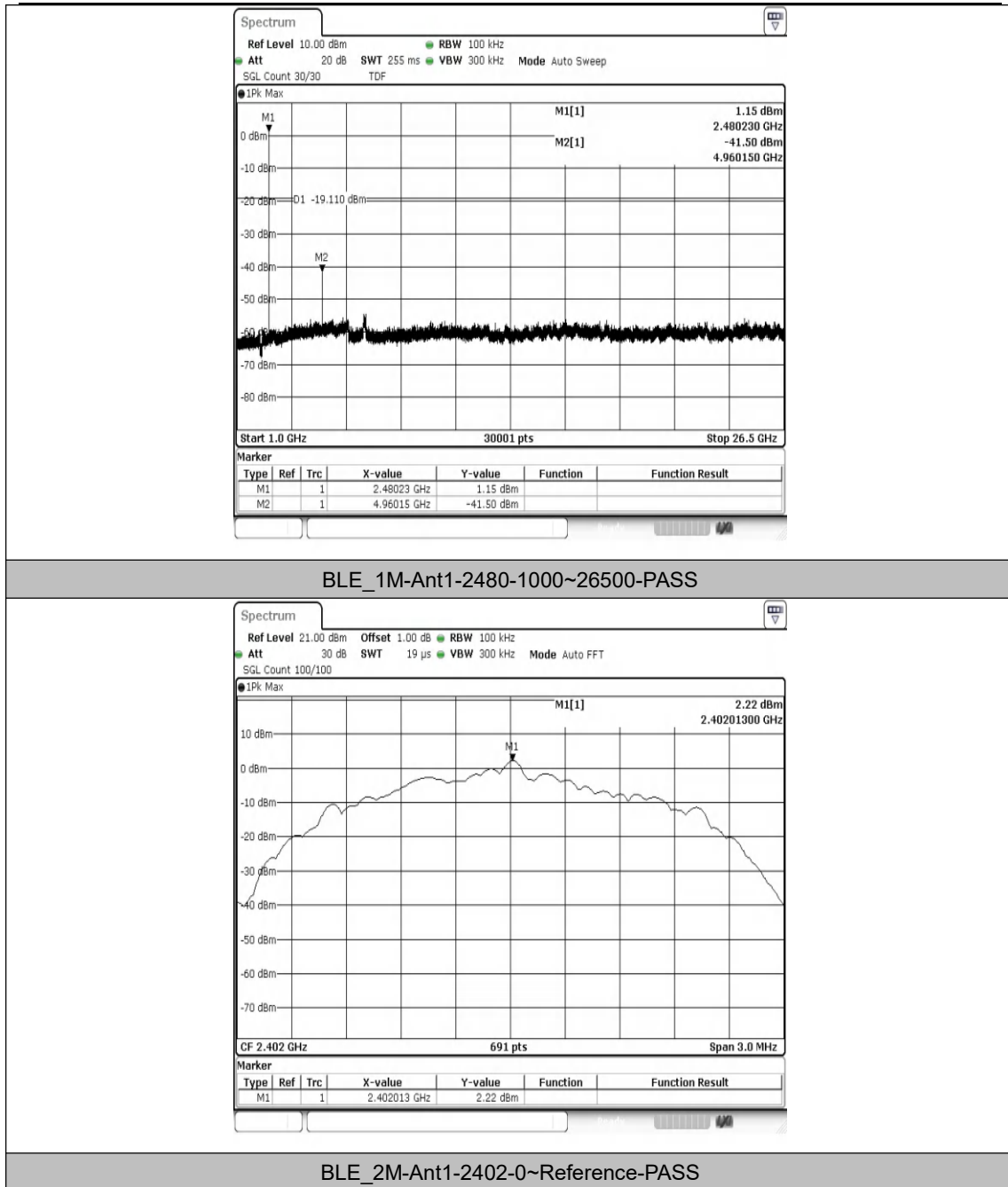
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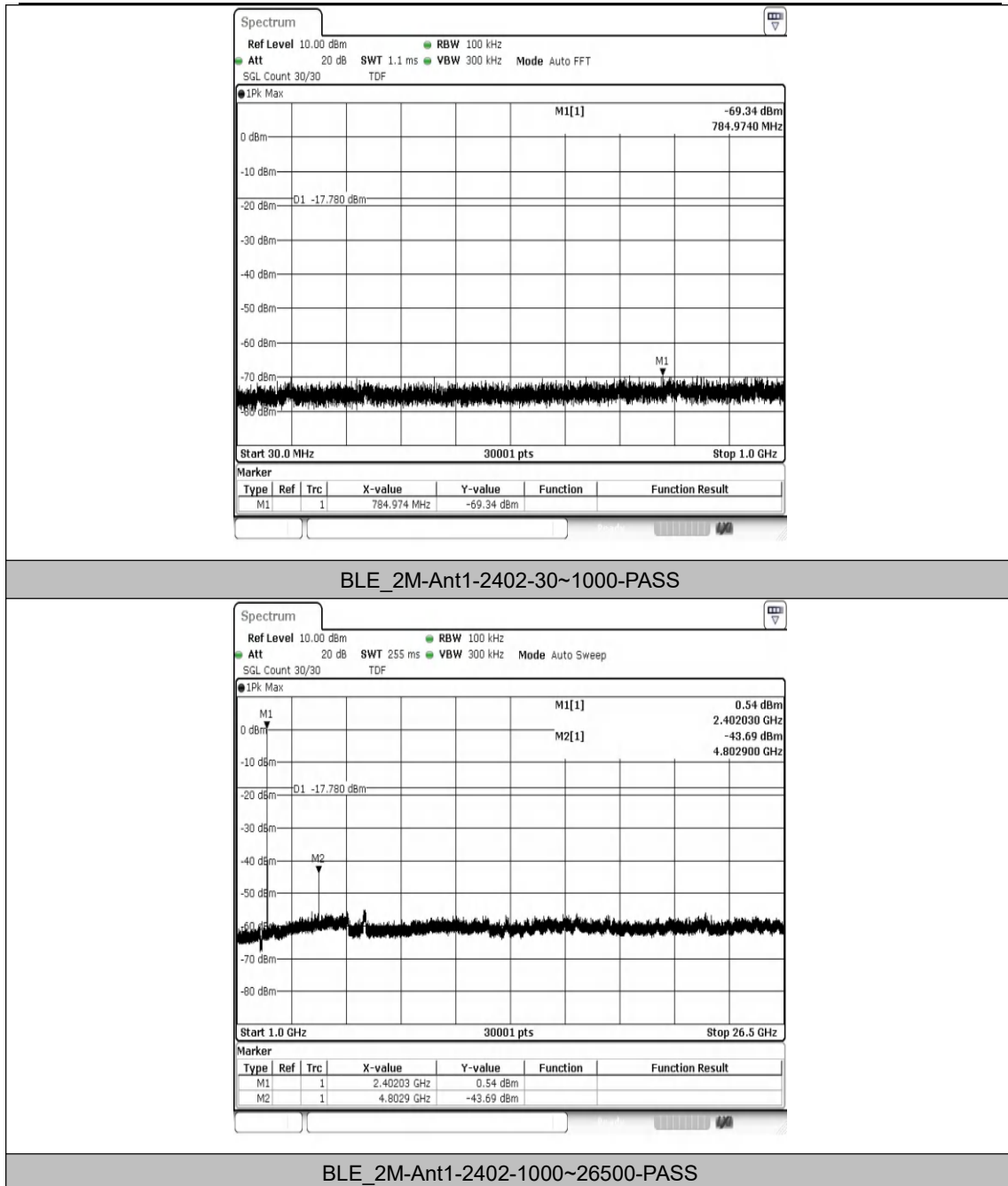
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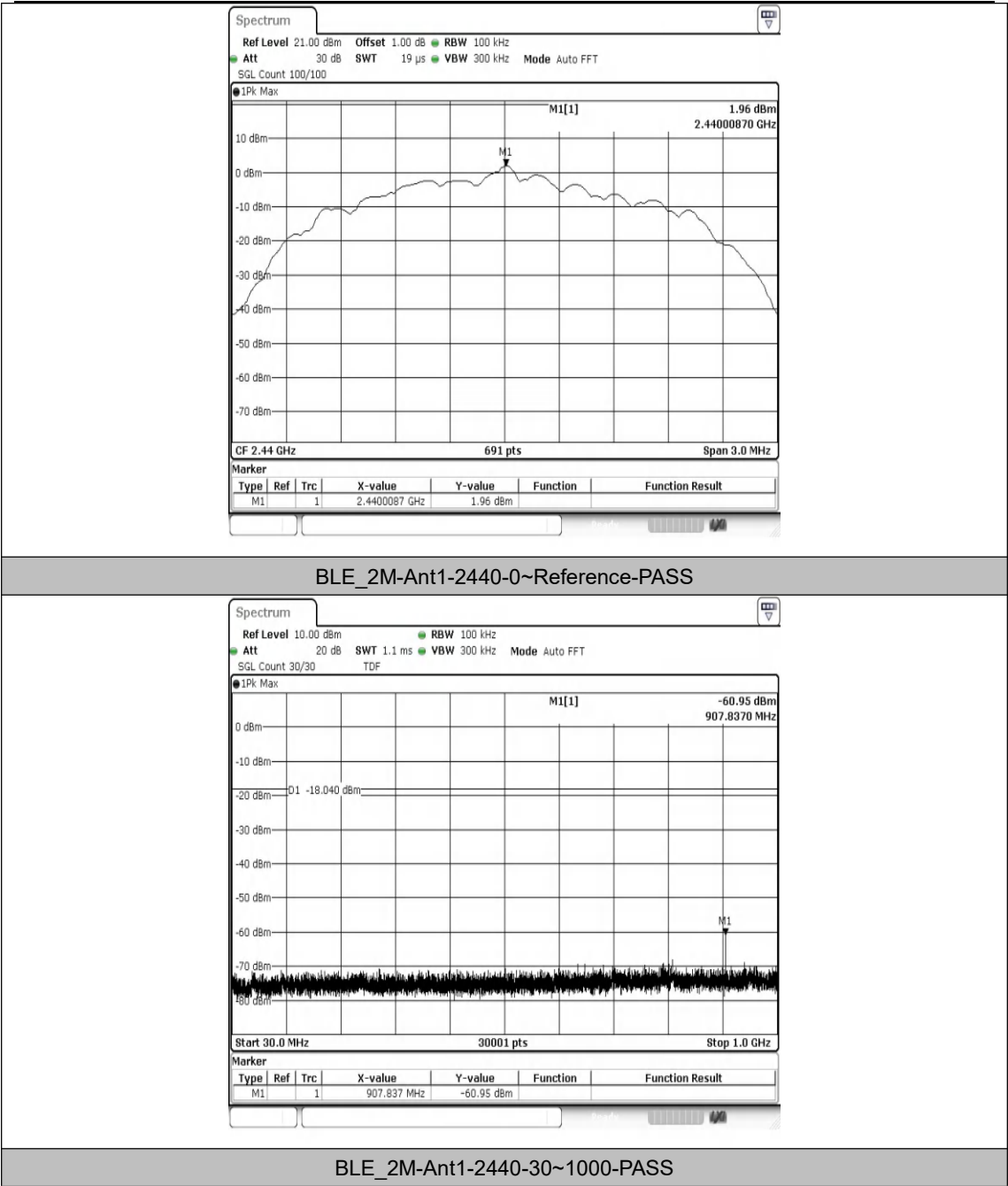
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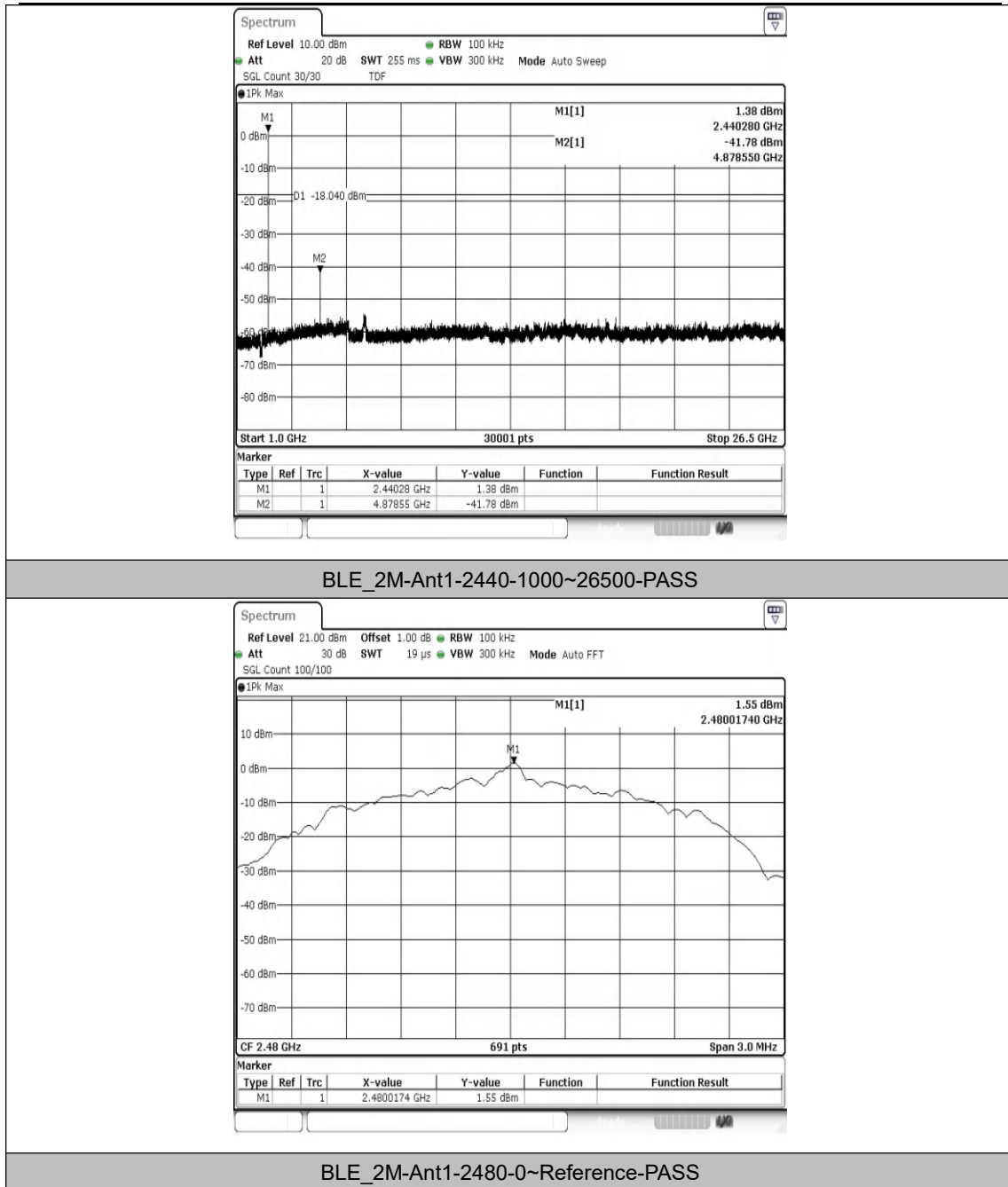


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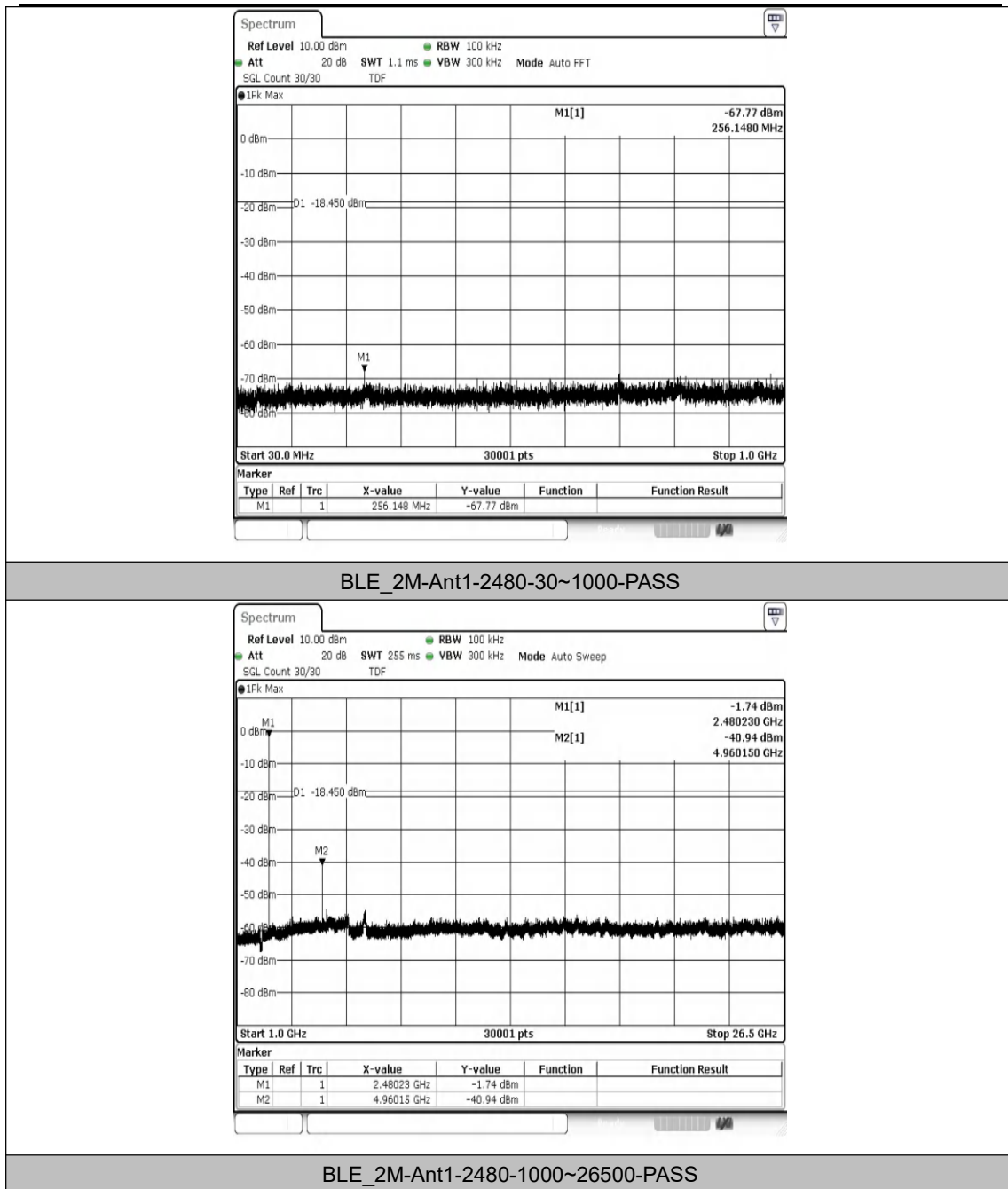




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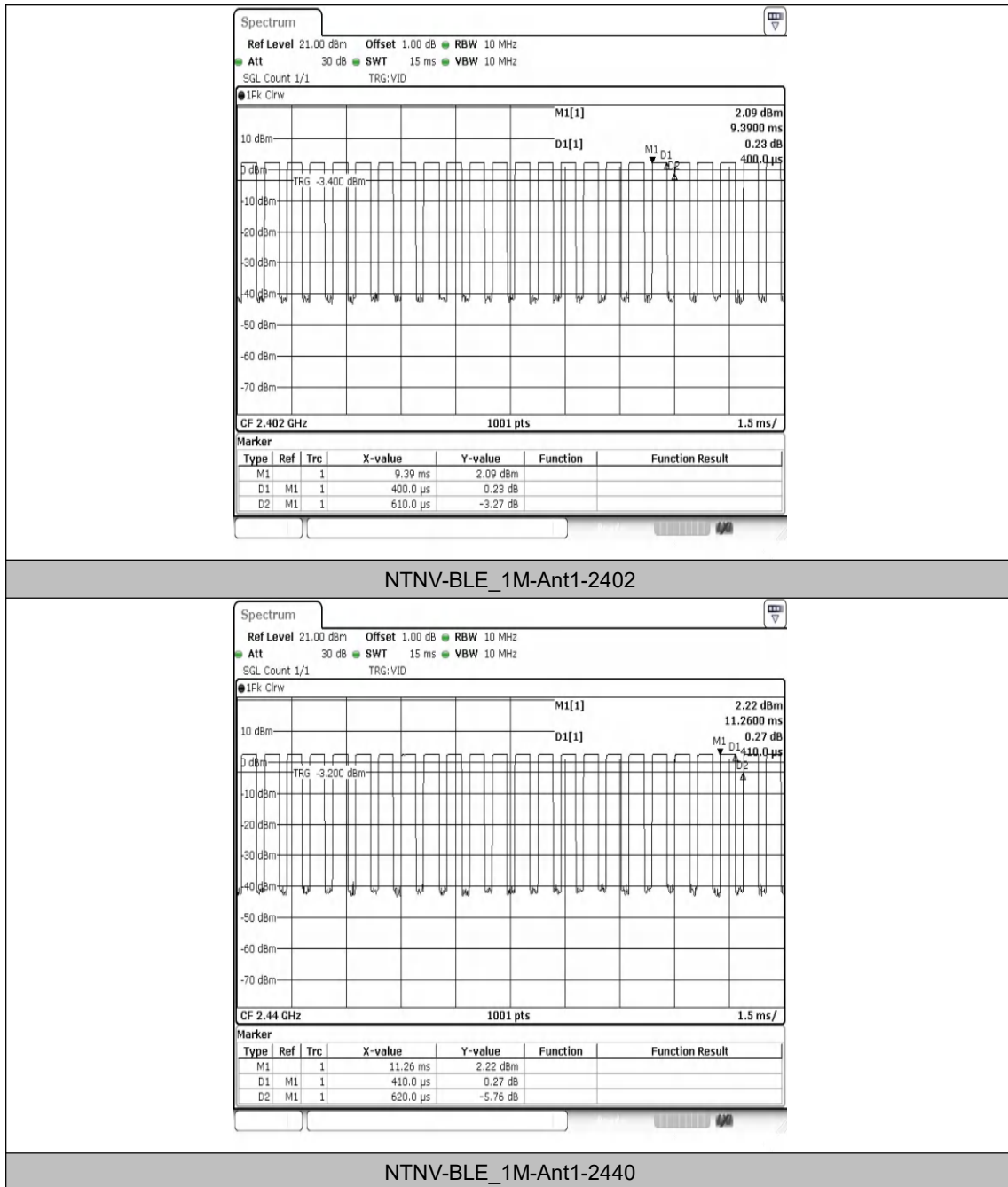
Appendix G: Duty Cycle

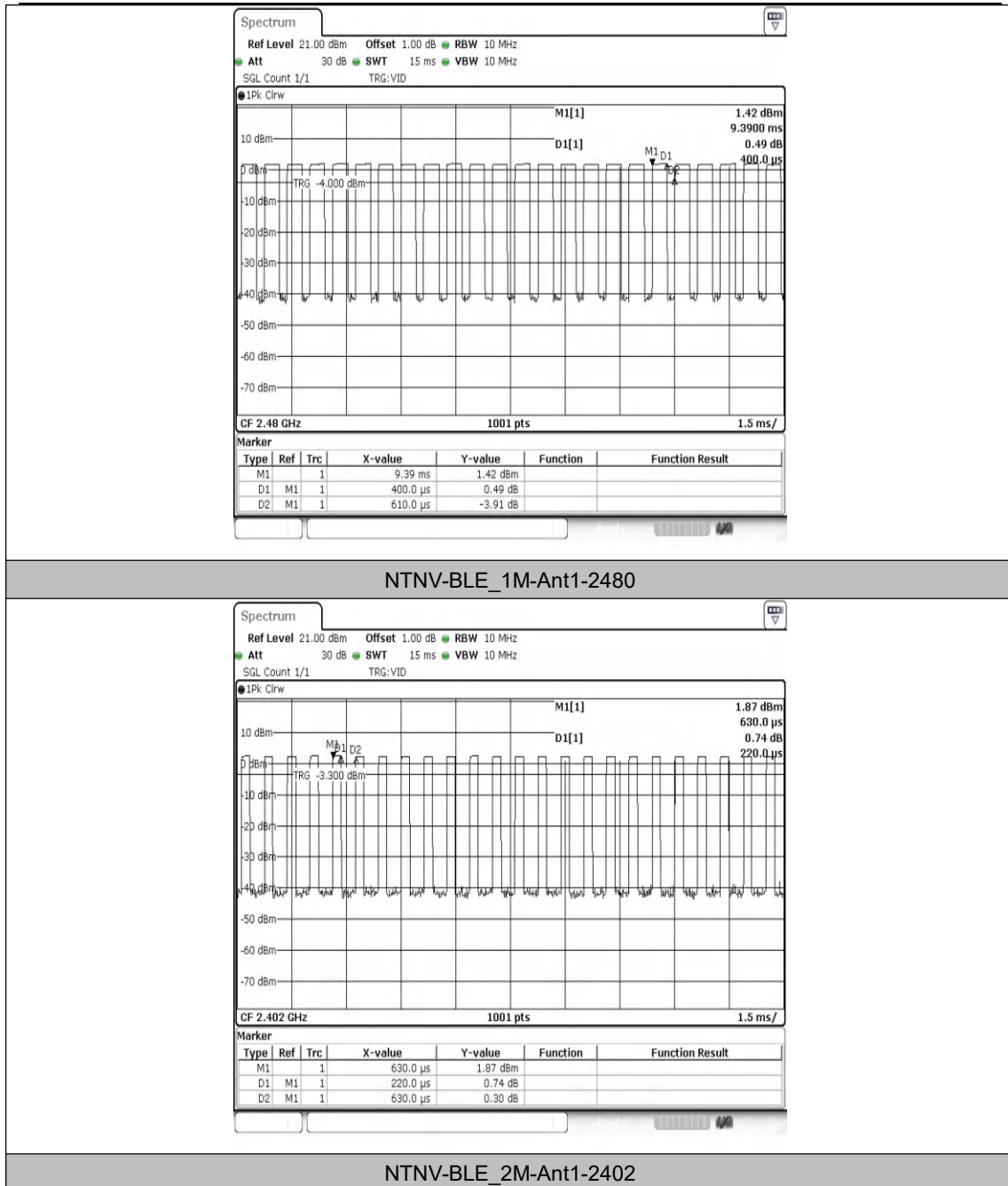
Test Result

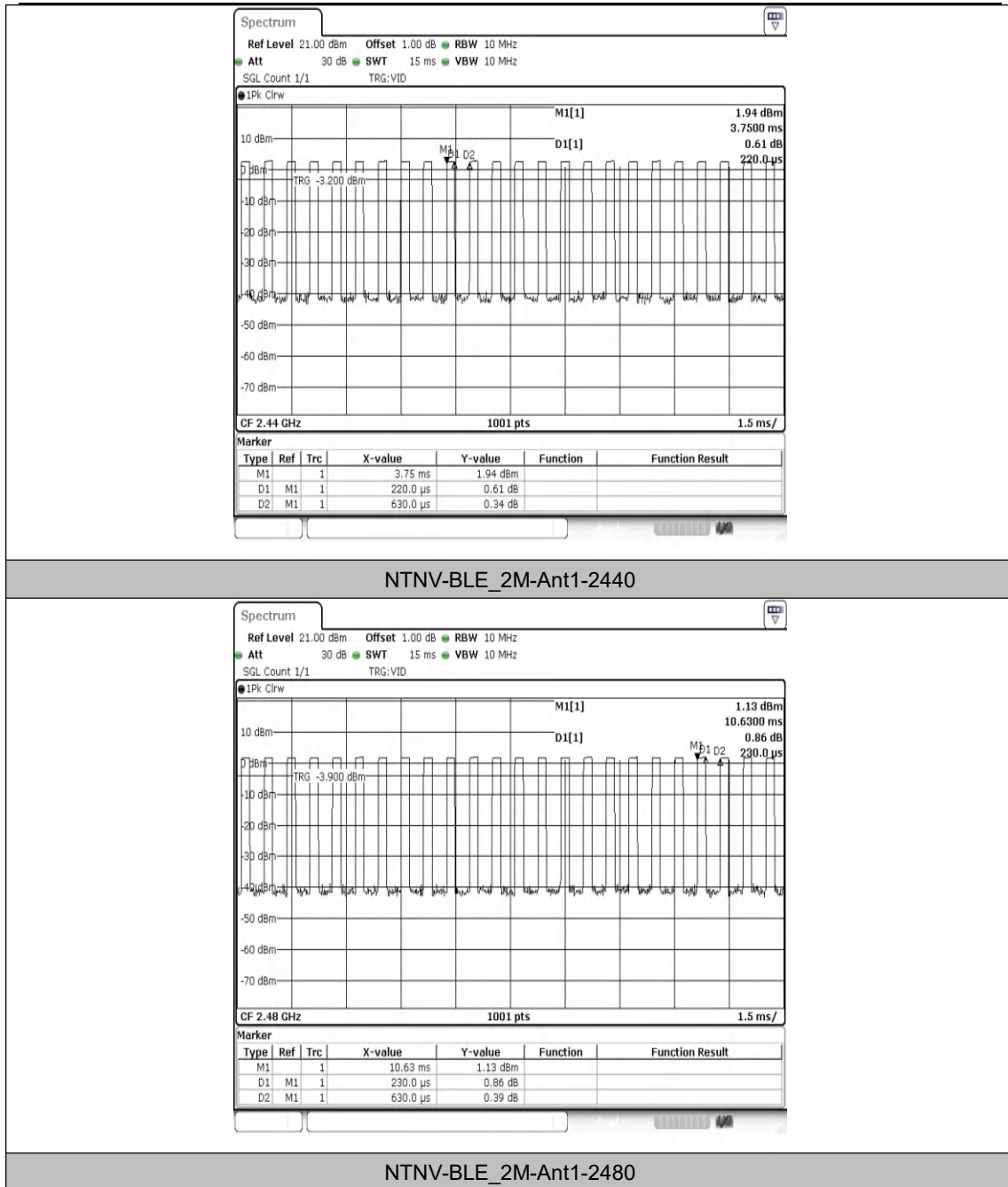
Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.40	0.61	65.57	1.83
BLE_1M	Ant1	2440	0.41	0.62	66.13	1.80
BLE_1M	Ant1	2480	0.40	0.61	65.57	1.83
BLE_2M	Ant1	2402	0.22	0.63	34.92	4.57
BLE_2M	Ant1	2440	0.22	0.63	34.92	4.57
BLE_2M	Ant1	2480	0.23	0.63	36.51	4.38



Test Graphs







---End---