

Appendix Test Data

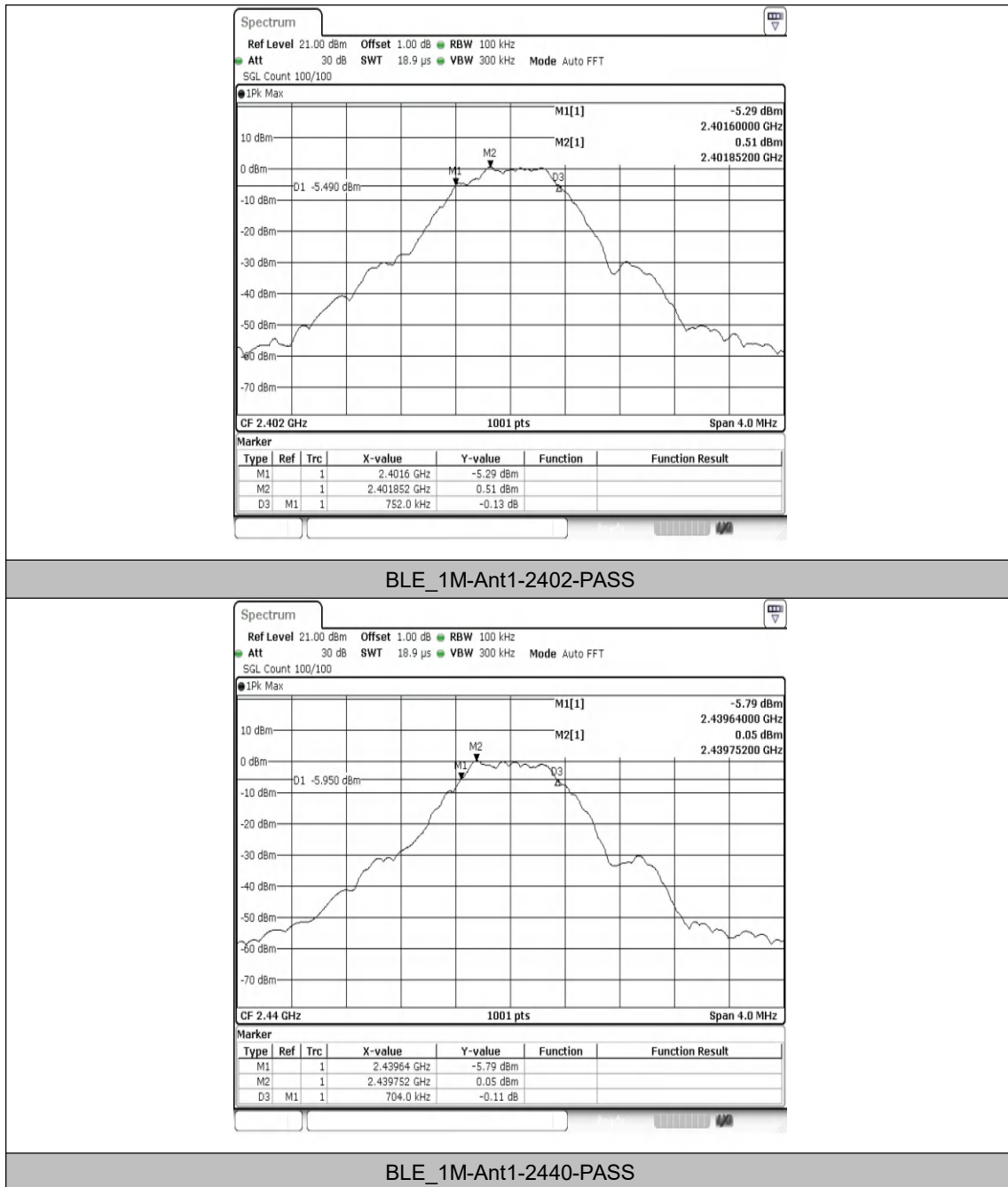
Report No.:	1811C50343612501	Test Sample No.:	1-2-2
Start Test Date:	2025-09-19	Finish Test Date:	2025-09-25
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	26.7°C	Relative Humidity:	55%
Pressure:	101kPa		

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	0.75	2401.60	2402.35	0.5	PASS
BLE_1M	Ant1	2440	0.70	2439.64	2440.34	0.5	PASS
BLE_1M	Ant1	2480	0.67	2479.66	2480.32	0.5	PASS
BLE_2M	Ant1	2402	1.10	2401.46	2402.56	0.5	PASS
BLE_2M	Ant1	2440	1.27	2439.33	2440.60	0.5	PASS
BLE_2M	Ant1	2480	1.06	2479.47	2480.53	0.5	PASS

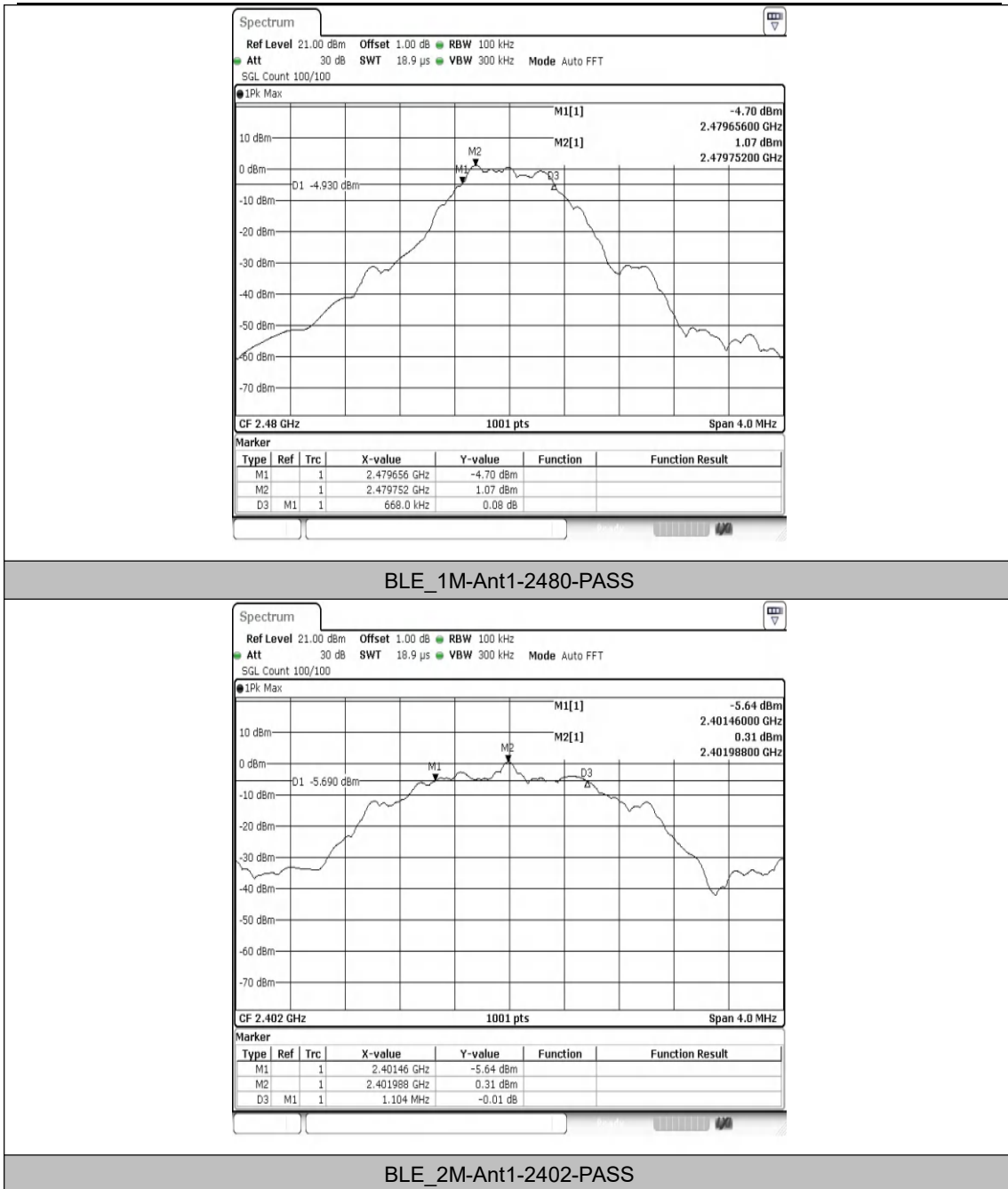
Test Graphs



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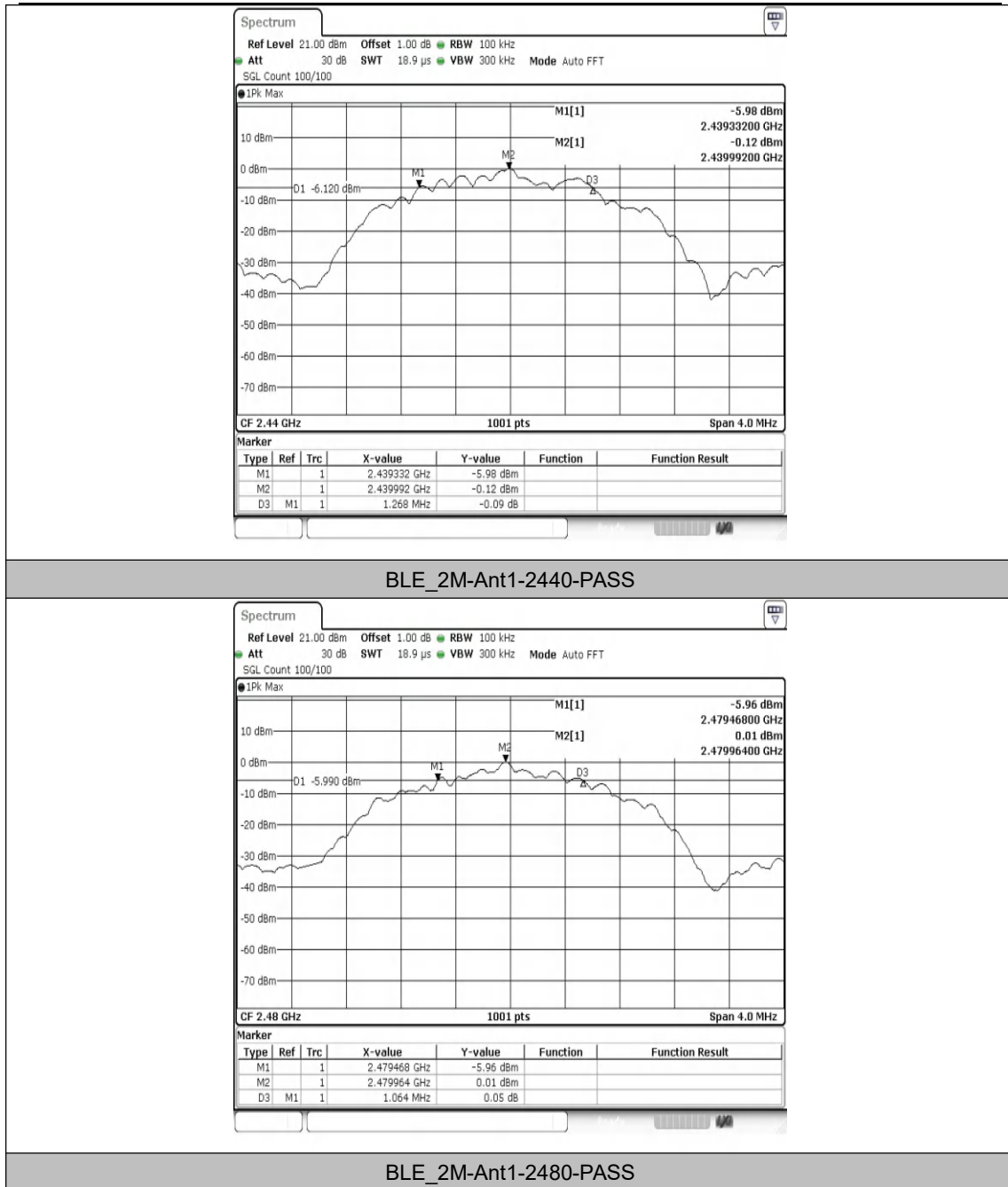
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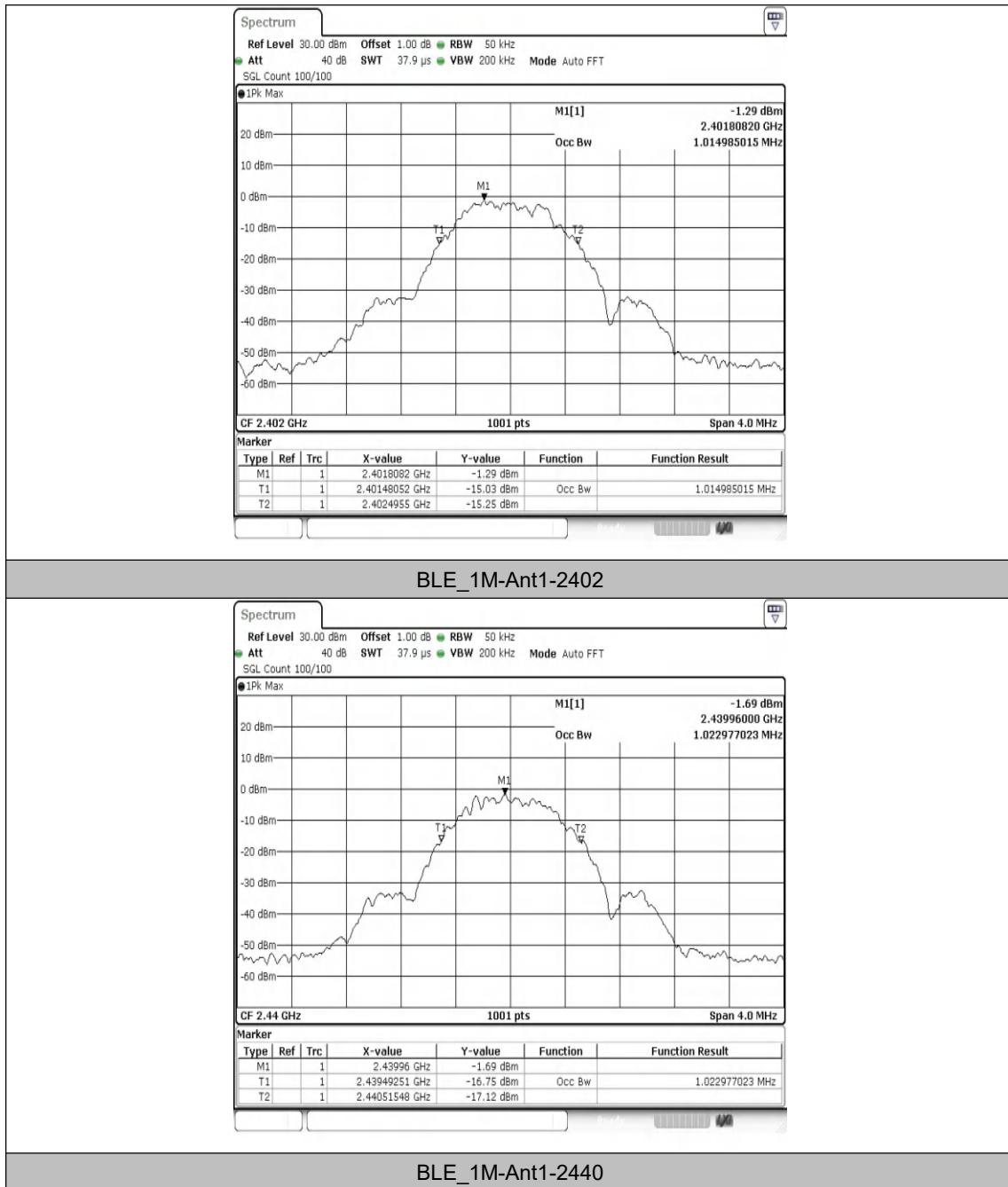
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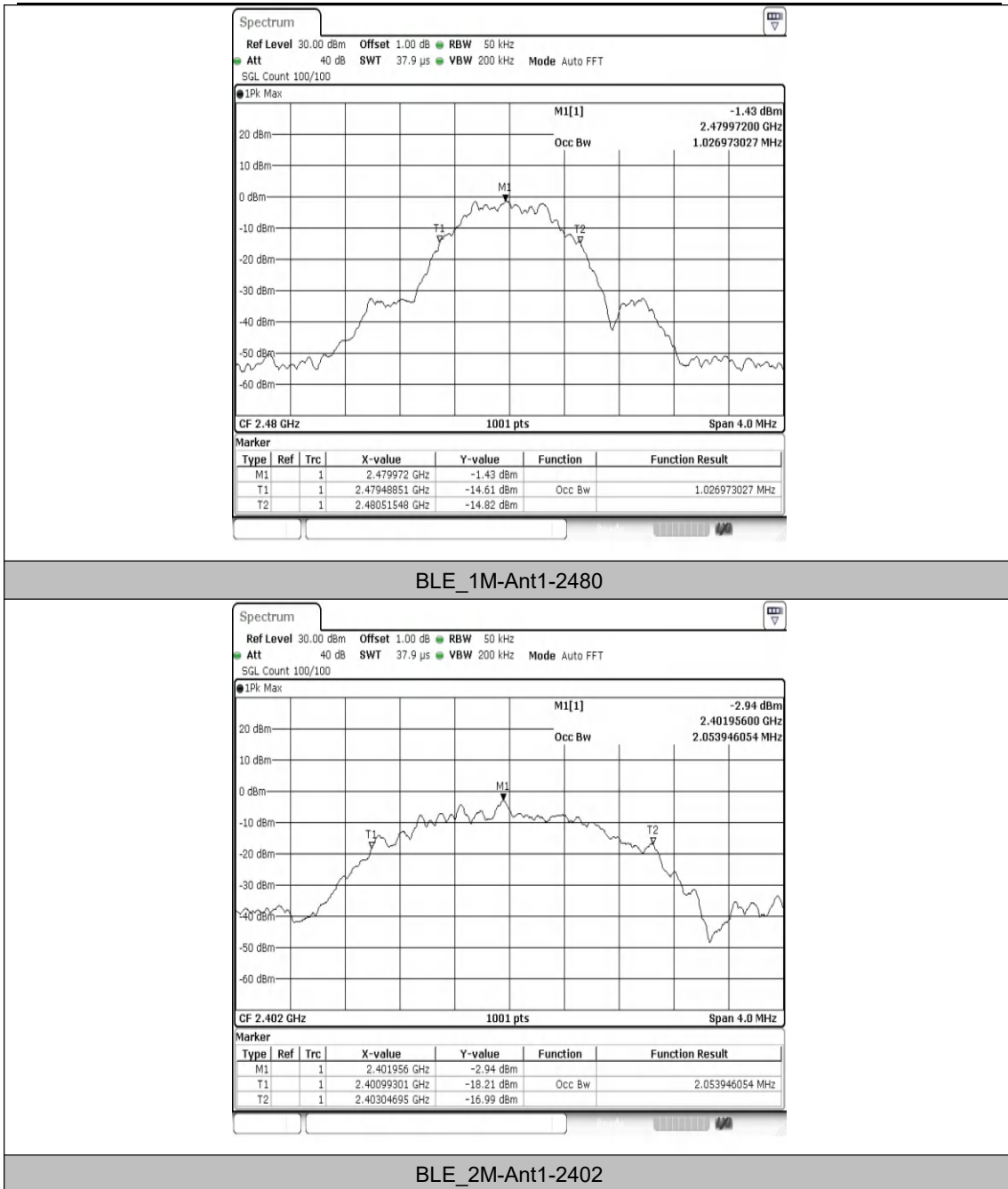
Appendix B: 99% Occupied Bandwidth

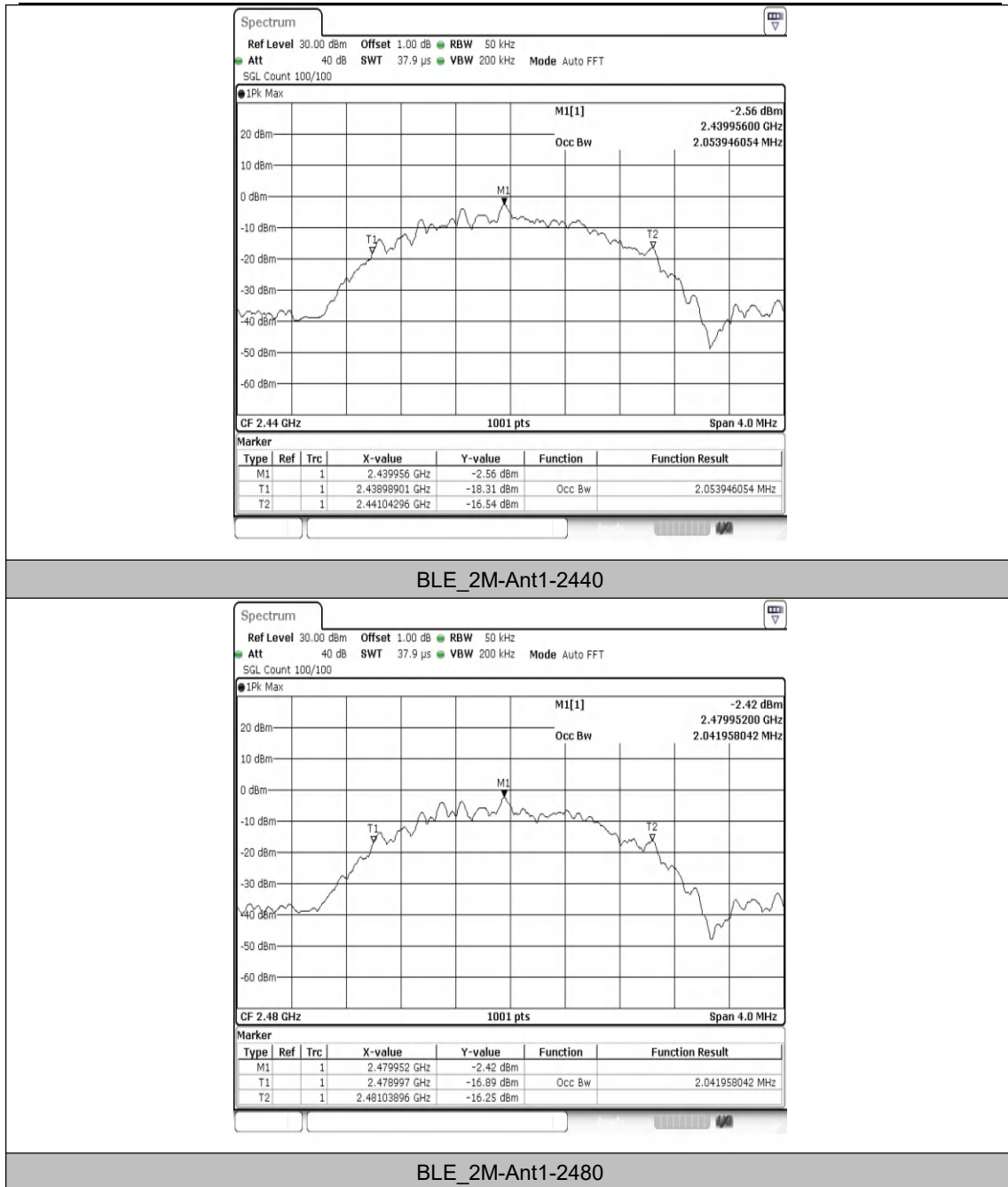
Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0150	2401.4805	2402.4955	---	---
BLE_1M	Ant1	2440	1.0230	2439.4925	2440.5155	---	---
BLE_1M	Ant1	2480	1.0270	2479.4885	2480.5155	---	---
BLE_2M	Ant1	2402	2.0539	2400.9930	2403.0470	---	---
BLE_2M	Ant1	2440	2.0539	2438.9890	2441.0430	---	---
BLE_2M	Ant1	2480	2.0420	2478.9970	2481.0390	---	---

Test Graphs





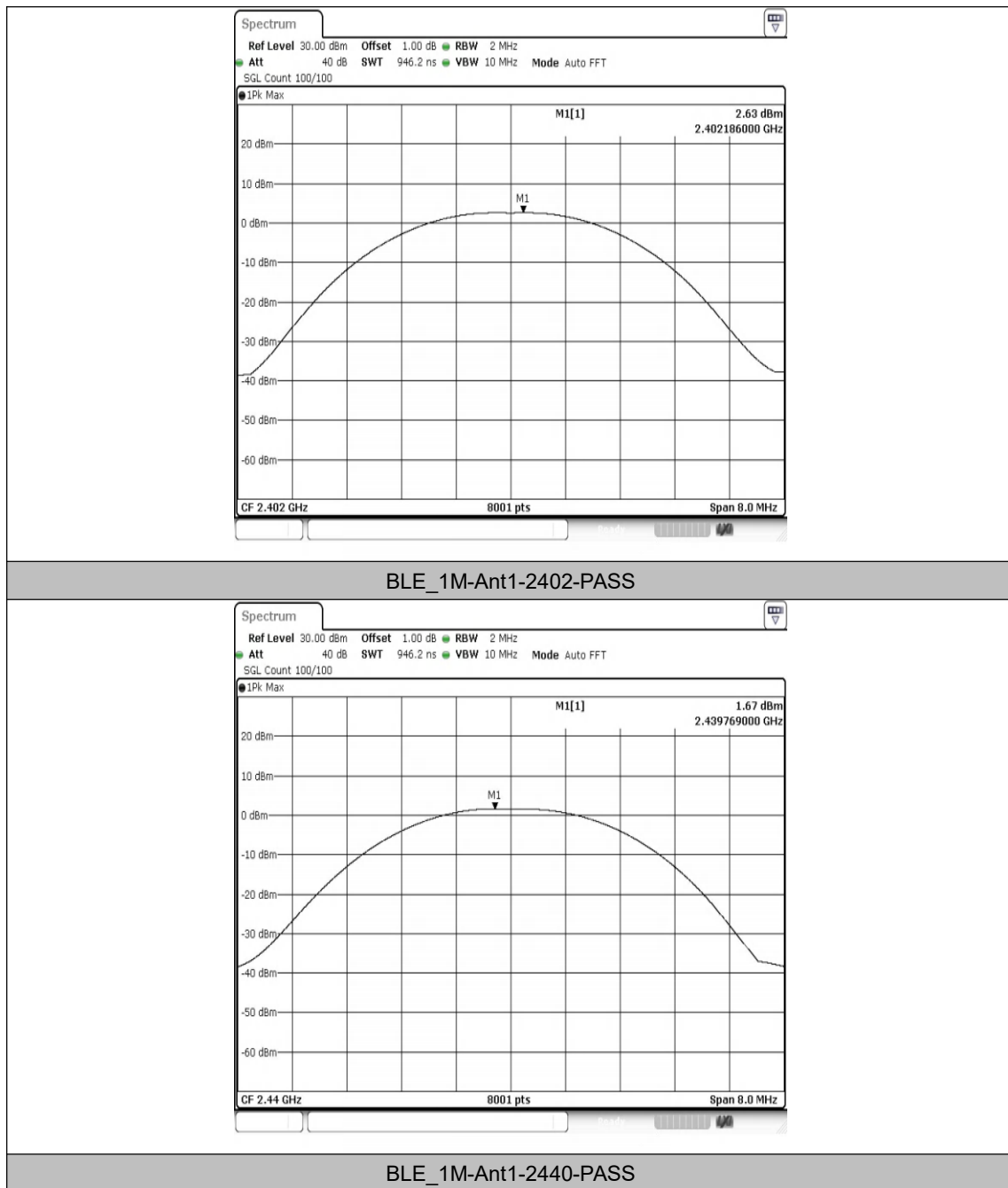


Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.63	≤30	PASS
BLE_1M	Ant1	2440	1.67	≤30	PASS
BLE_1M	Ant1	2480	1.98	≤30	PASS
BLE_2M	Ant1	2402	1.34	≤30	PASS
BLE_2M	Ant1	2440	1.68	≤30	PASS
BLE_2M	Ant1	2480	1.93	≤30	PASS

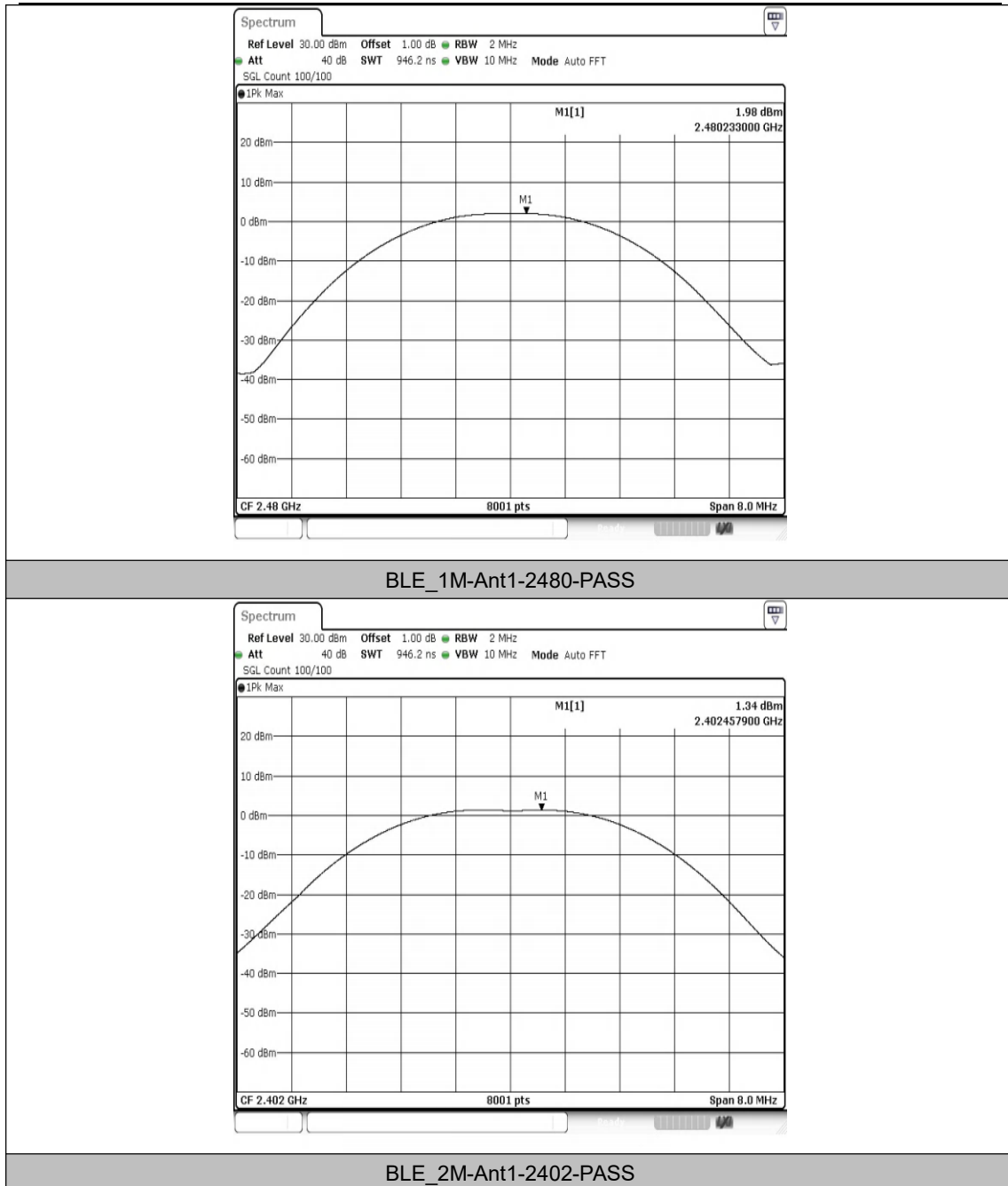
Test Graphs Peak



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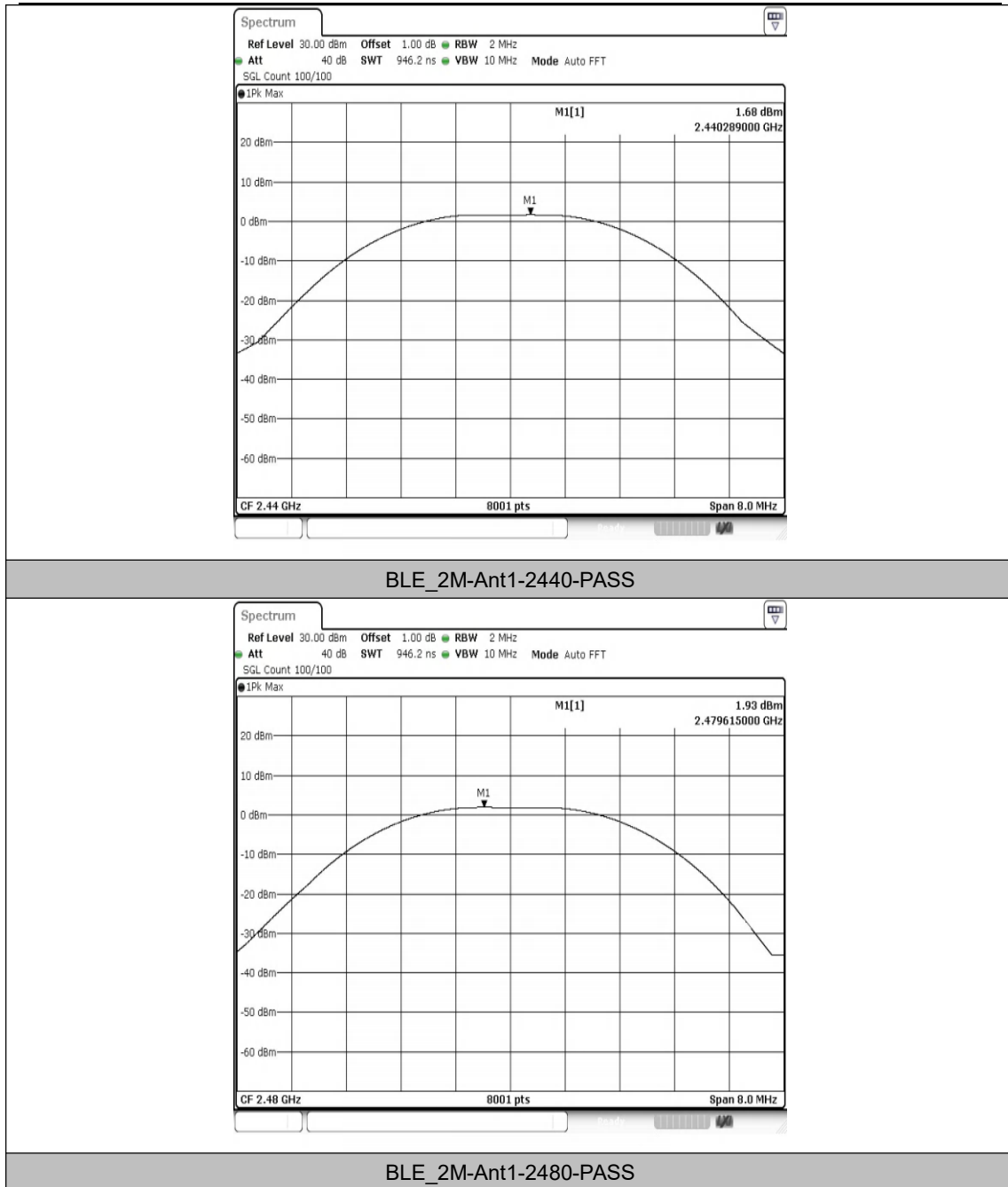
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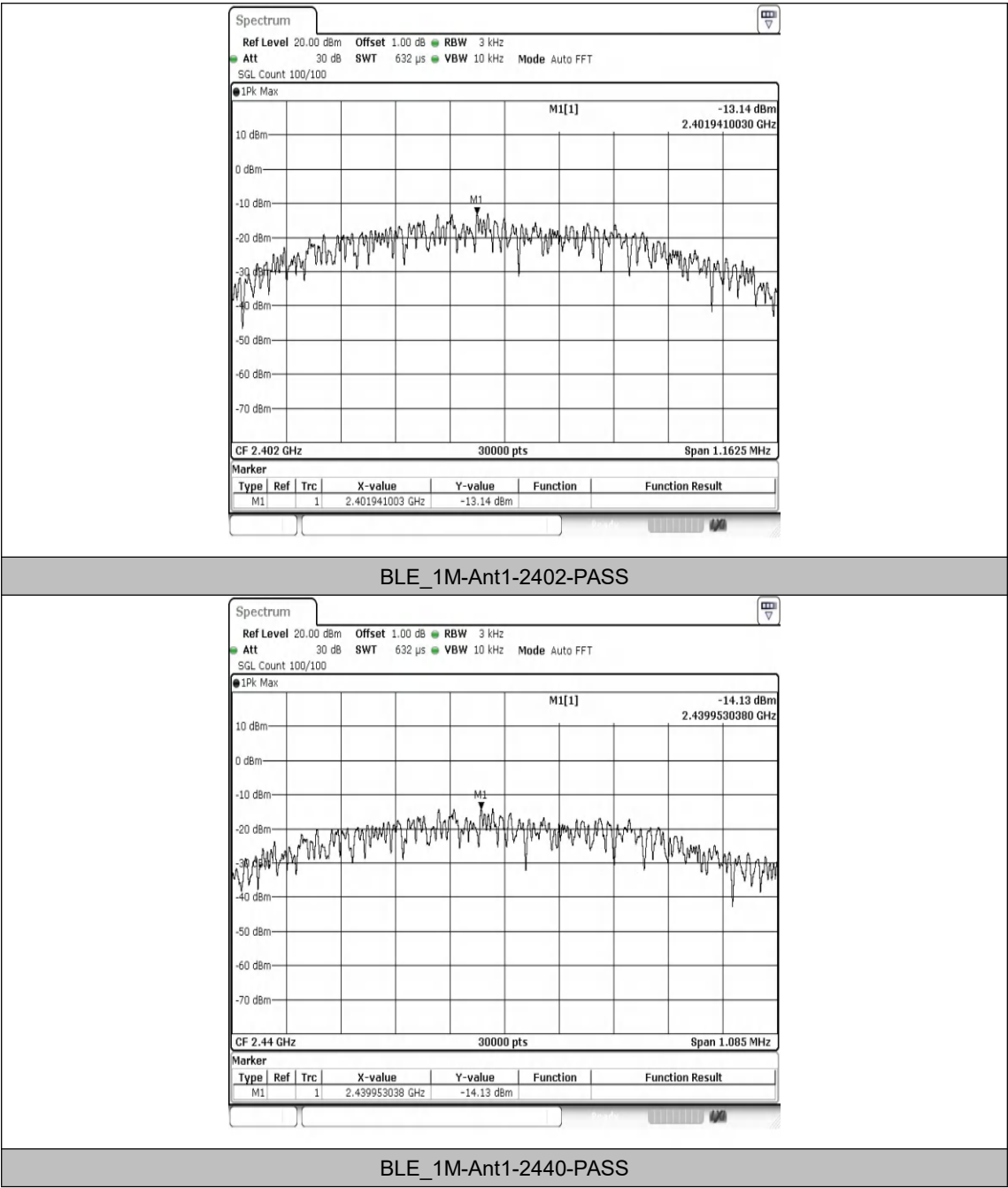
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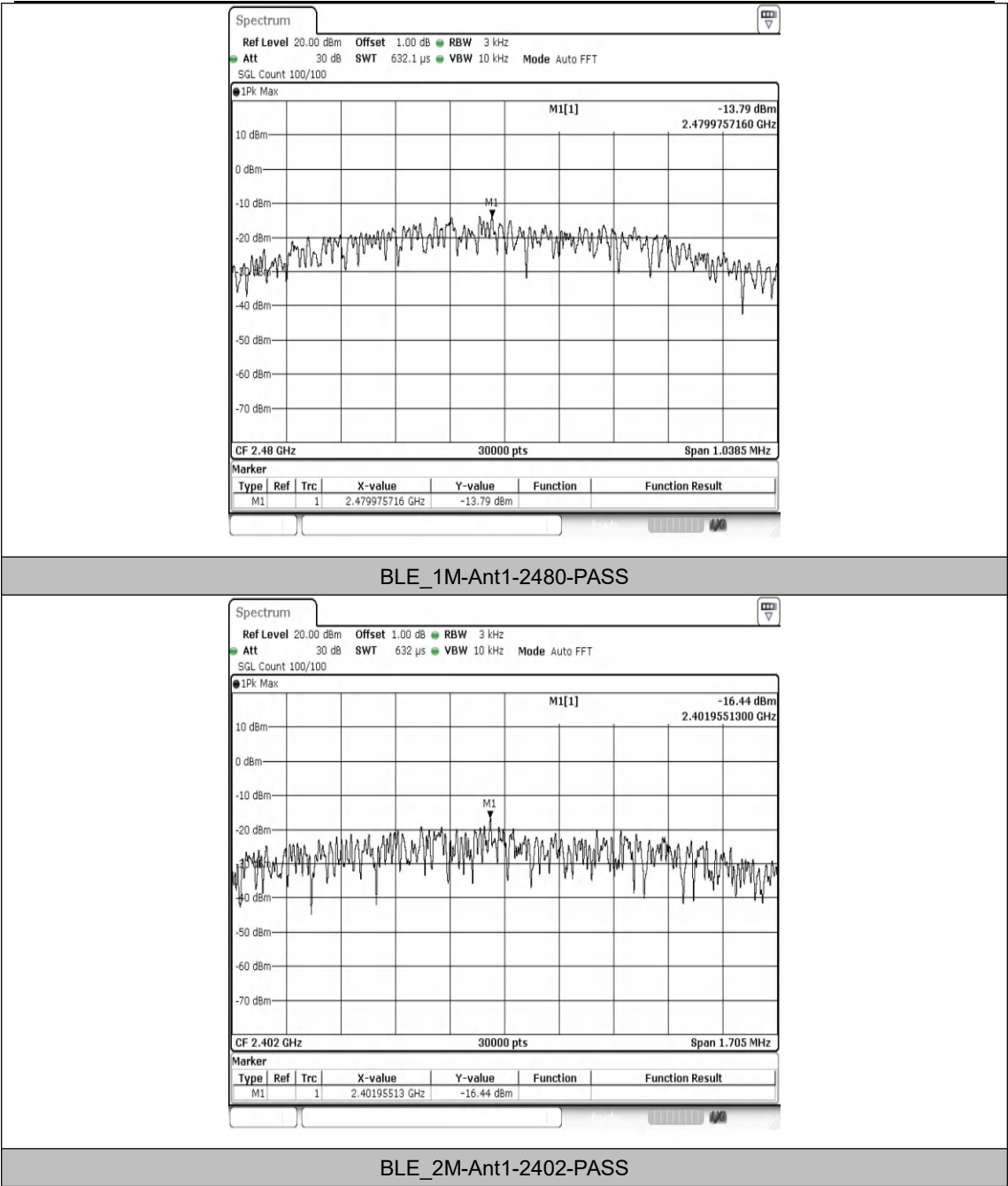
Appendix D: Maximum power spectral density

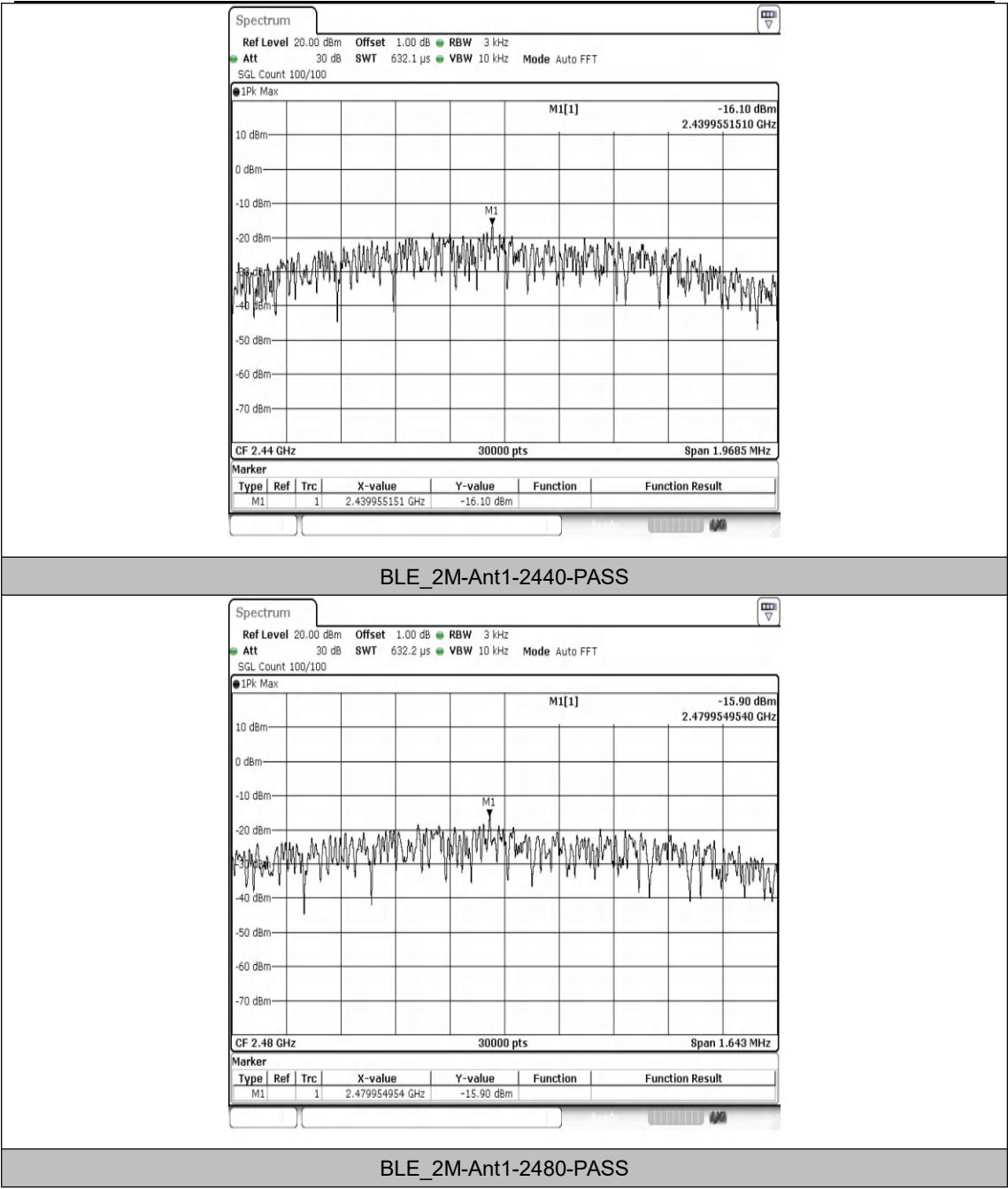
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.14	≤8.00	PASS
BLE_1M	Ant1	2440	-14.13	≤8.00	PASS
BLE_1M	Ant1	2480	-13.79	≤8.00	PASS
BLE_2M	Ant1	2402	-16.44	≤8.00	PASS
BLE_2M	Ant1	2440	-16.10	≤8.00	PASS
BLE_2M	Ant1	2480	-15.90	≤8.00	PASS

Test Graphs







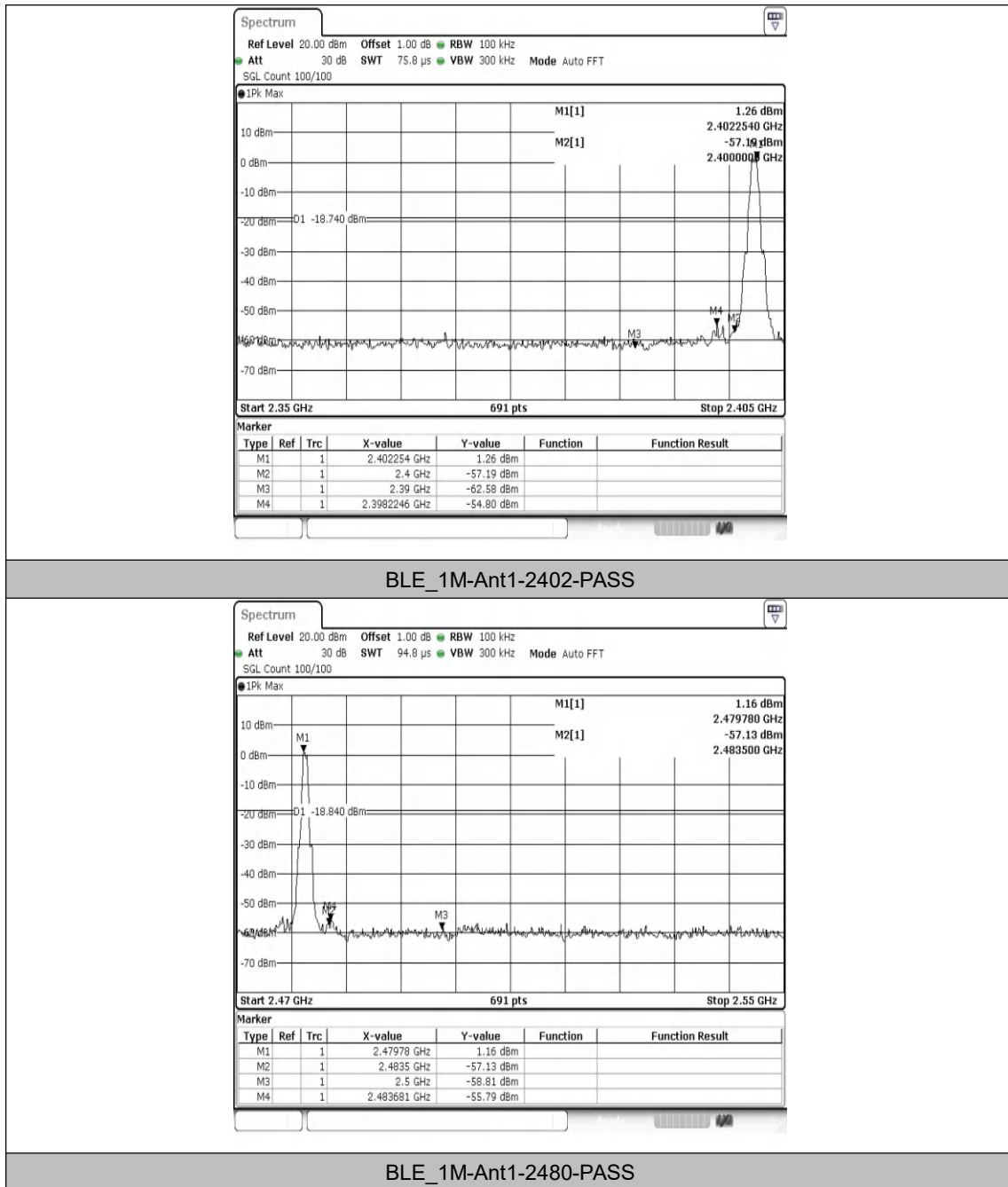
Appendix E: Band edge measurements

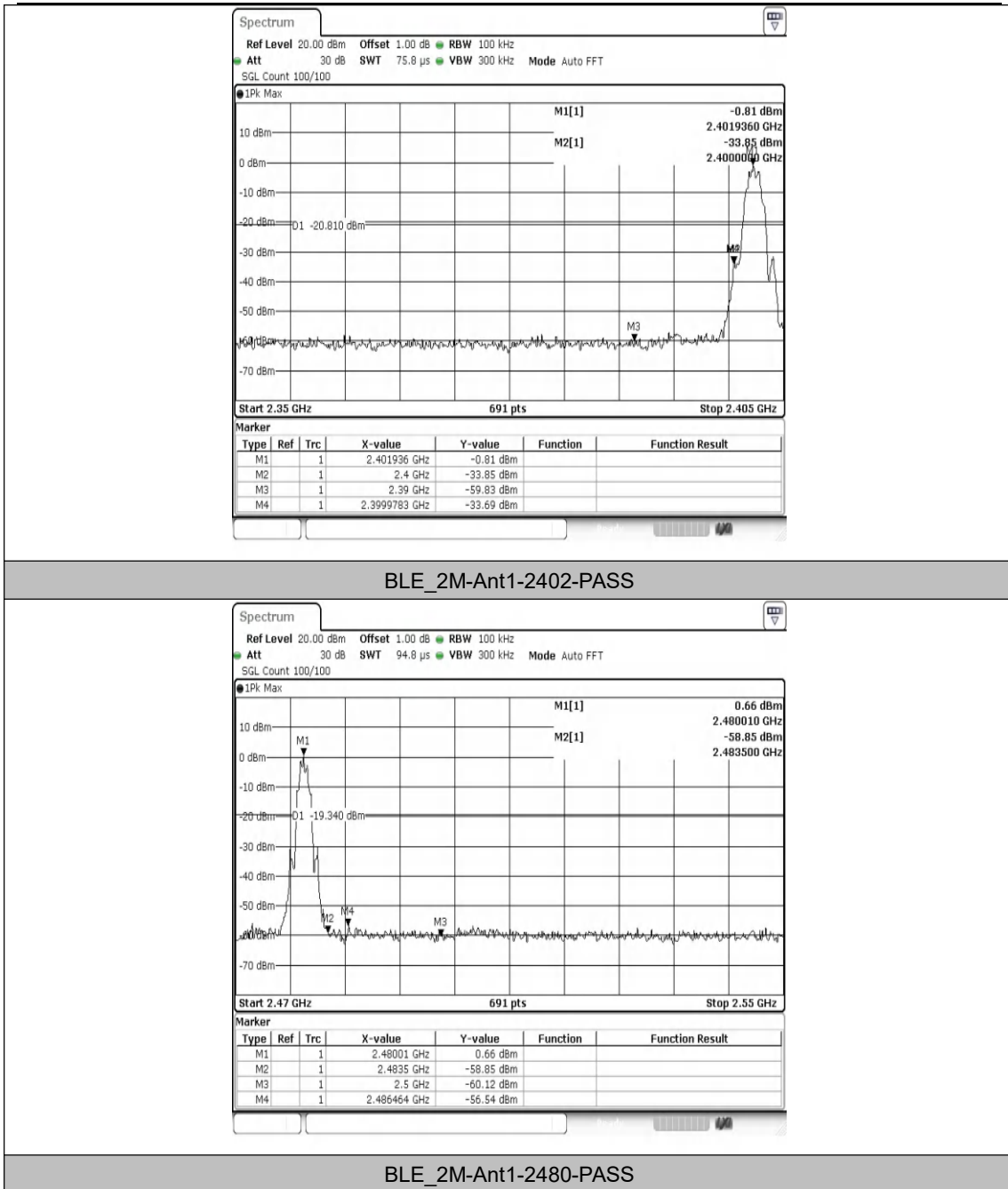
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.26	-54.8	≤-18.74	PASS
BLE_1M	Ant1	High	2480	1.16	-55.79	≤-18.84	PASS
BLE_2M	Ant1	Low	2402	-0.81	-33.69	≤-20.81	PASS
BLE_2M	Ant1	High	2480	0.66	-56.54	≤-19.34	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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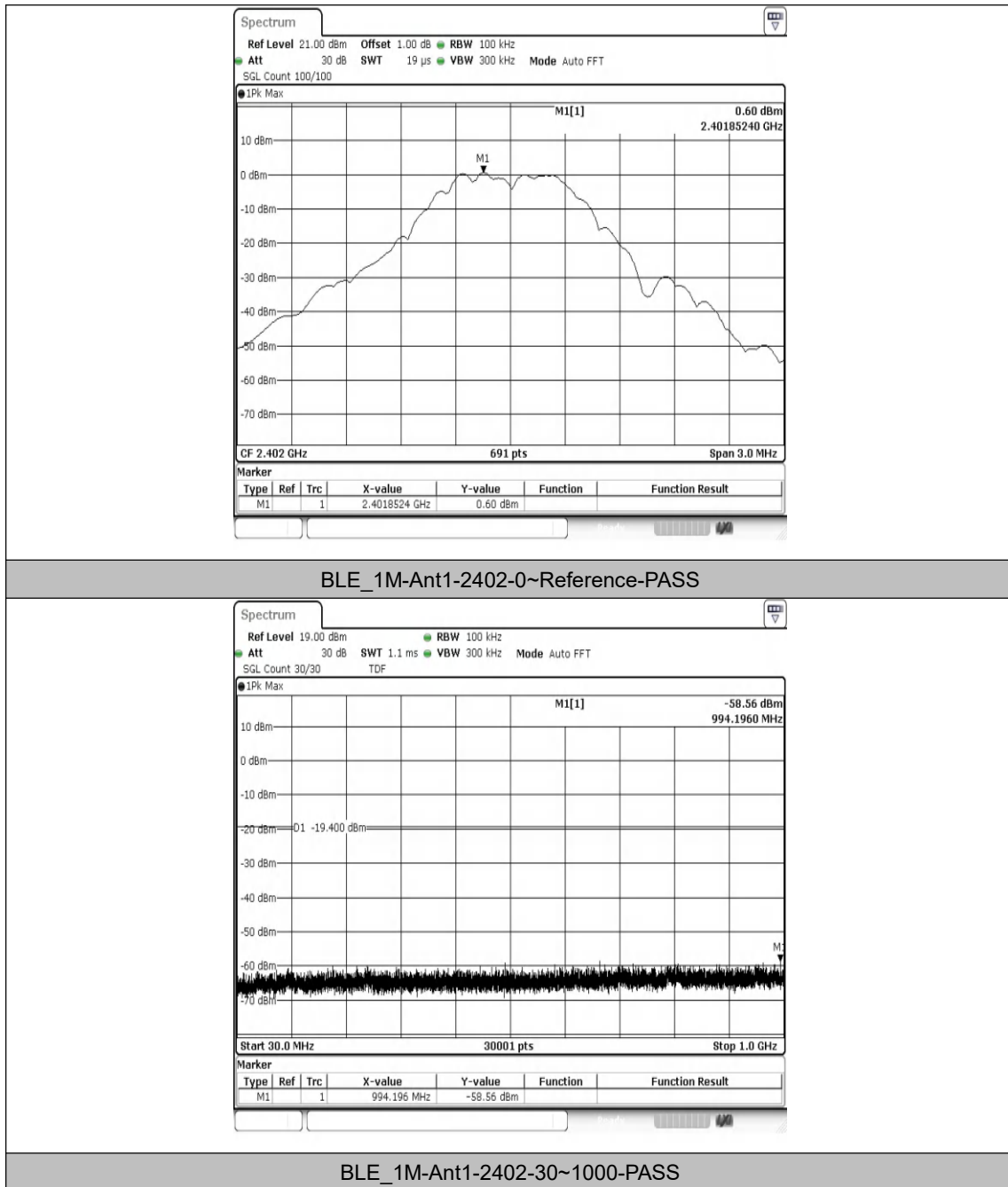
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	0.60	0.60	---	PASS
BLE_1M	Ant1	2402	30~1000	0.60	-58.56	≤-19.4	PASS
BLE_1M	Ant1	2402	1000~26500	0.60	-43.19	≤-19.4	PASS
BLE_1M	Ant1	2440	0~Reference	0.80	0.80	---	PASS
BLE_1M	Ant1	2440	30~1000	0.80	-57.97	≤-19.2	PASS
BLE_1M	Ant1	2440	1000~26500	0.80	-44.62	≤-19.2	PASS
BLE_1M	Ant1	2480	0~Reference	1.01	1.01	---	PASS
BLE_1M	Ant1	2480	30~1000	1.01	-57.66	≤-18.99	PASS
BLE_1M	Ant1	2480	1000~26500	1.01	-44.06	≤-18.99	PASS
BLE_2M	Ant1	2402	0~Reference	-1.31	-1.31	---	PASS
BLE_2M	Ant1	2402	30~1000	-1.31	-57.62	≤-21.31	PASS
BLE_2M	Ant1	2402	1000~26500	-1.31	-43.69	≤-21.31	PASS
BLE_2M	Ant1	2440	0~Reference	0.64	0.64	---	PASS
BLE_2M	Ant1	2440	30~1000	0.64	-58.66	≤-19.36	PASS
BLE_2M	Ant1	2440	1000~26500	0.64	-44.36	≤-19.36	PASS
BLE_2M	Ant1	2480	0~Reference	-1.45	-1.45	---	PASS
BLE_2M	Ant1	2480	30~1000	-1.45	-58.68	≤-21.45	PASS
BLE_2M	Ant1	2480	1000~26500	-1.45	-44.21	≤-21.45	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.

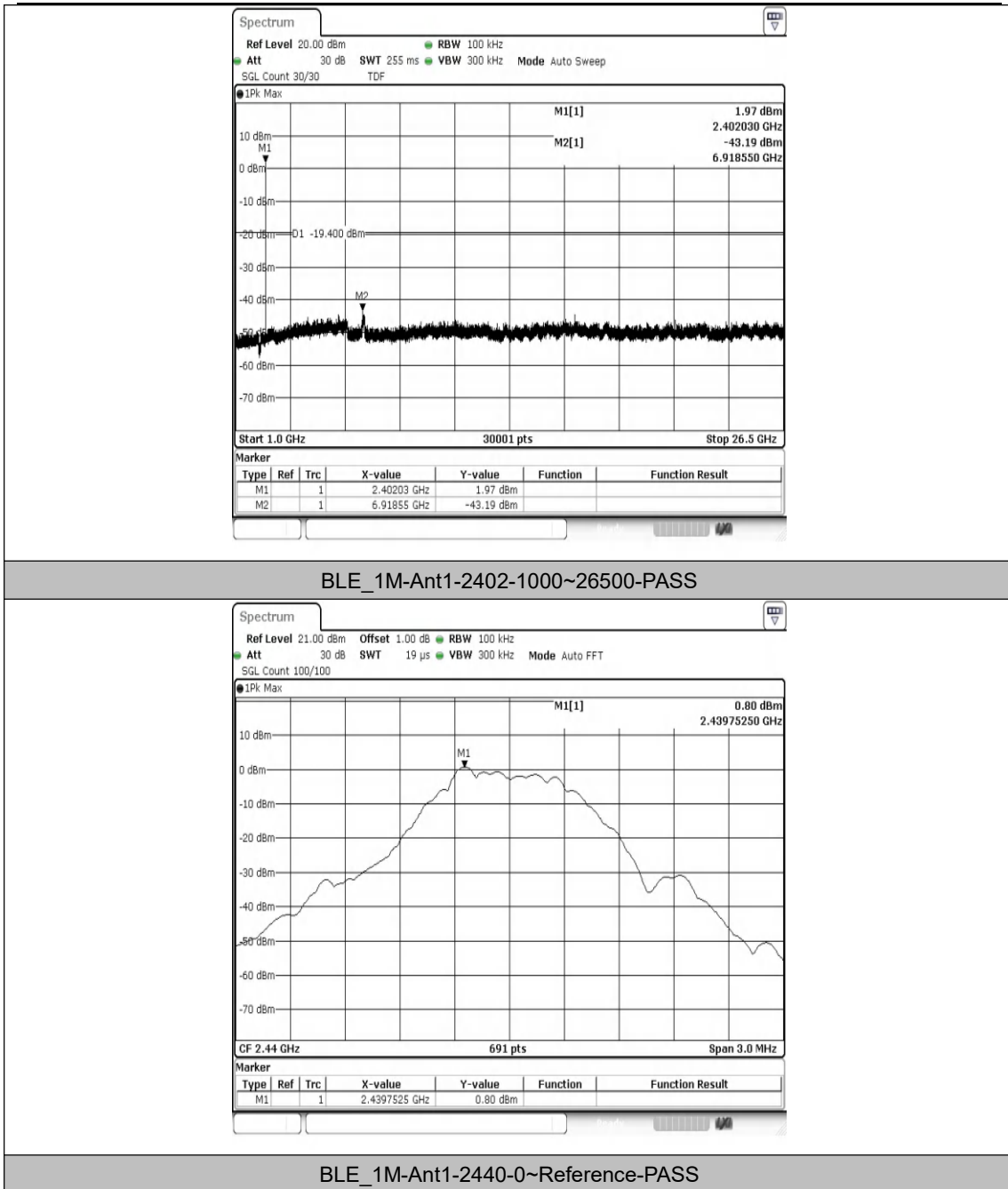
Test Graphs



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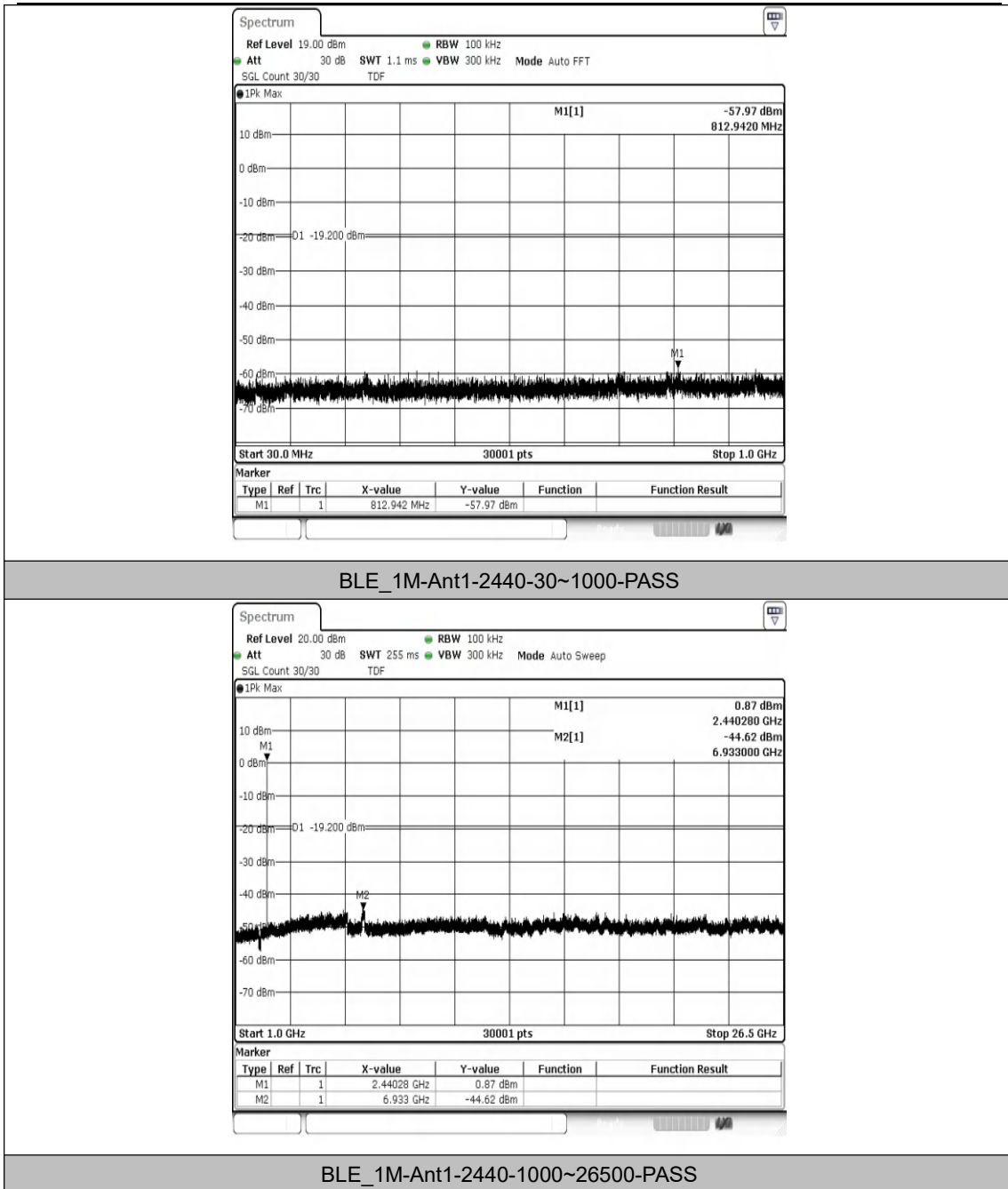
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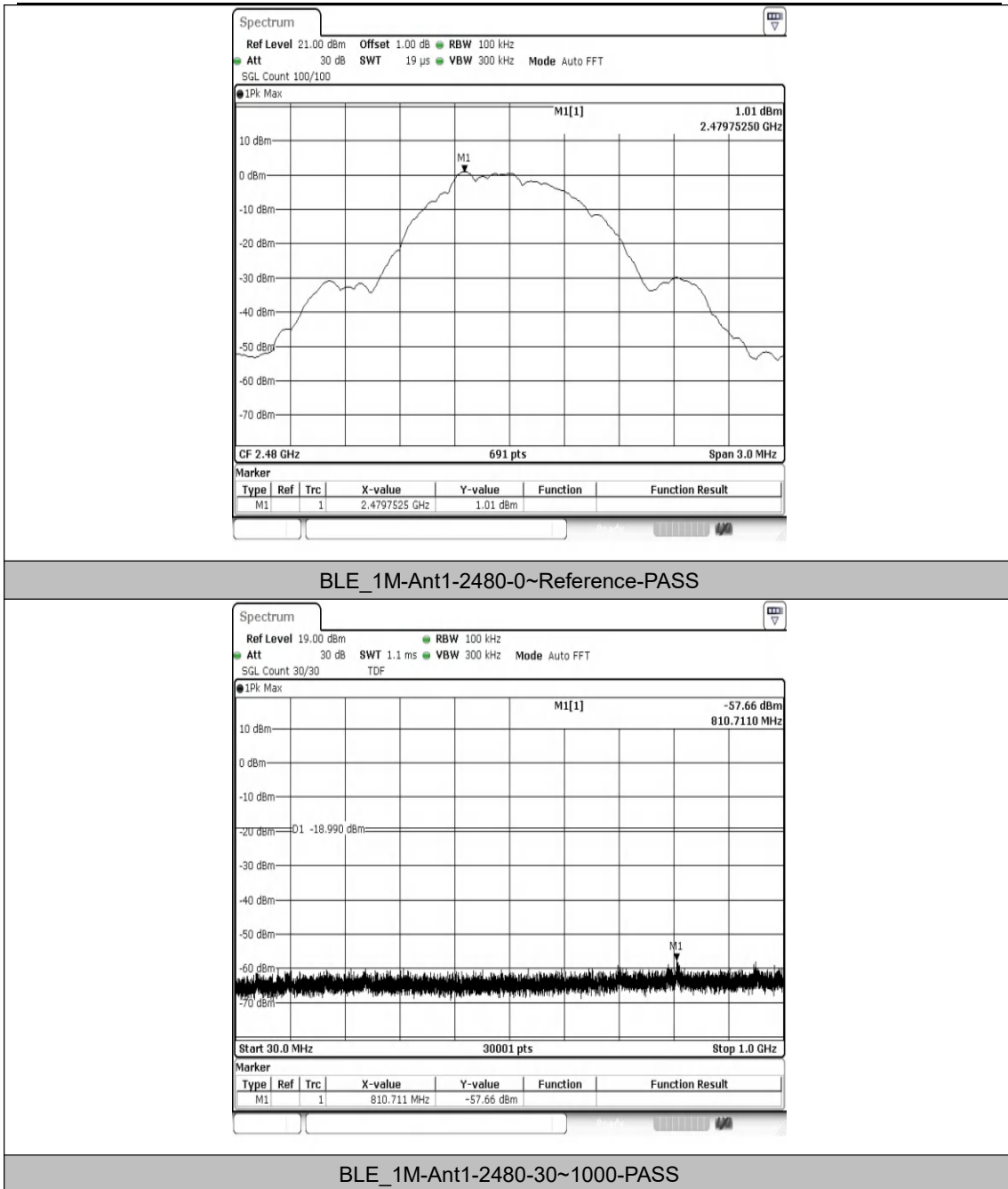
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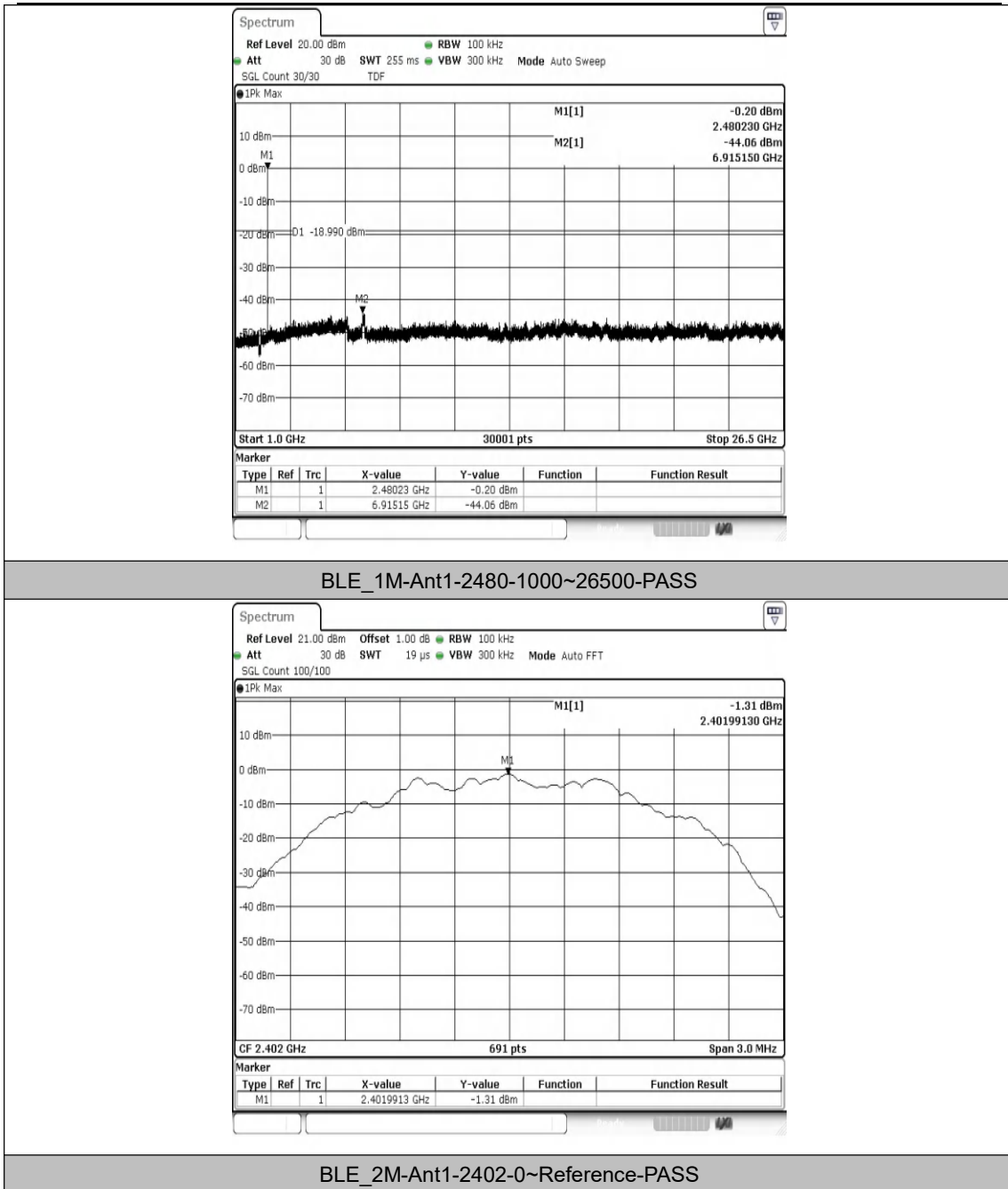
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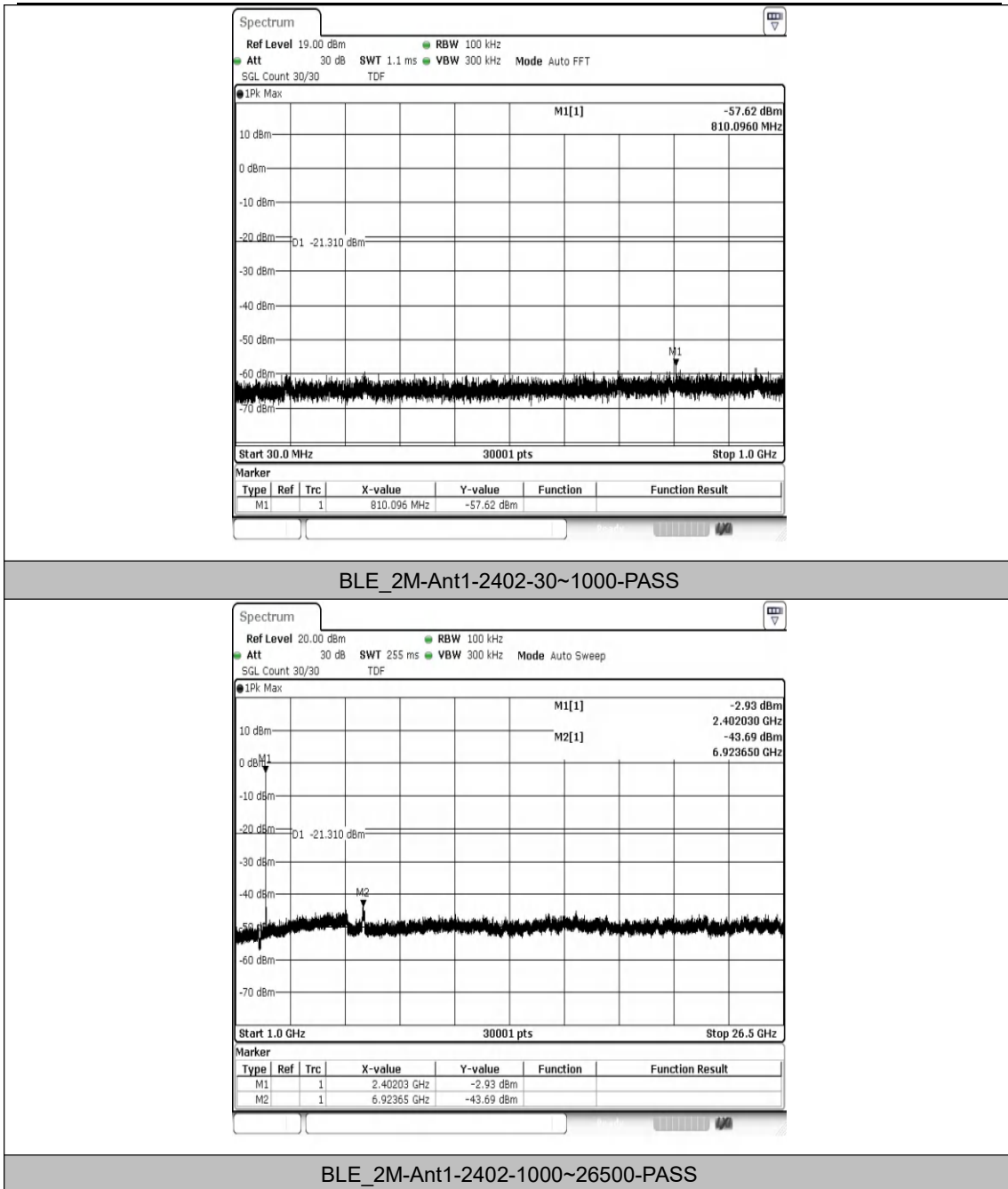
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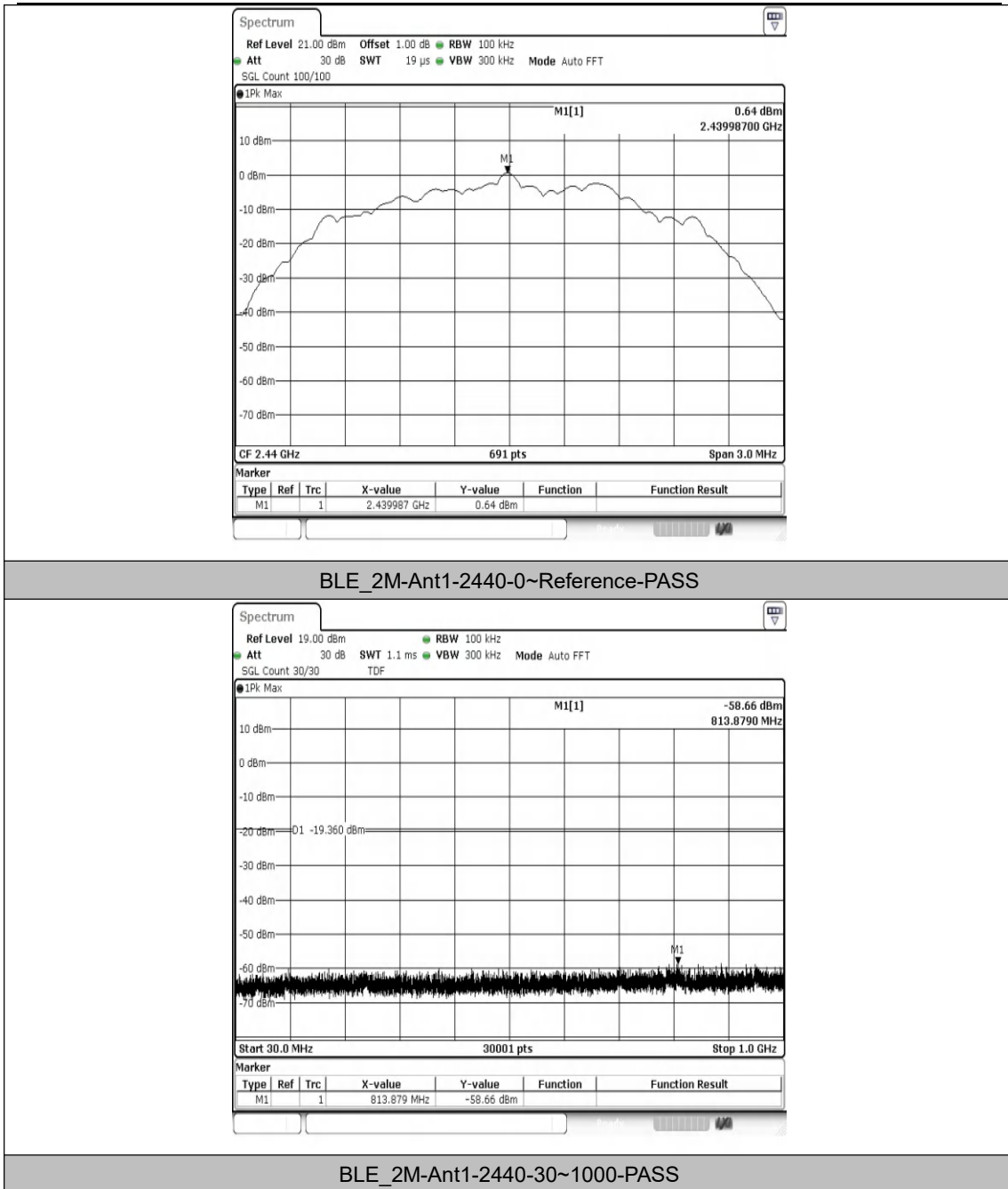
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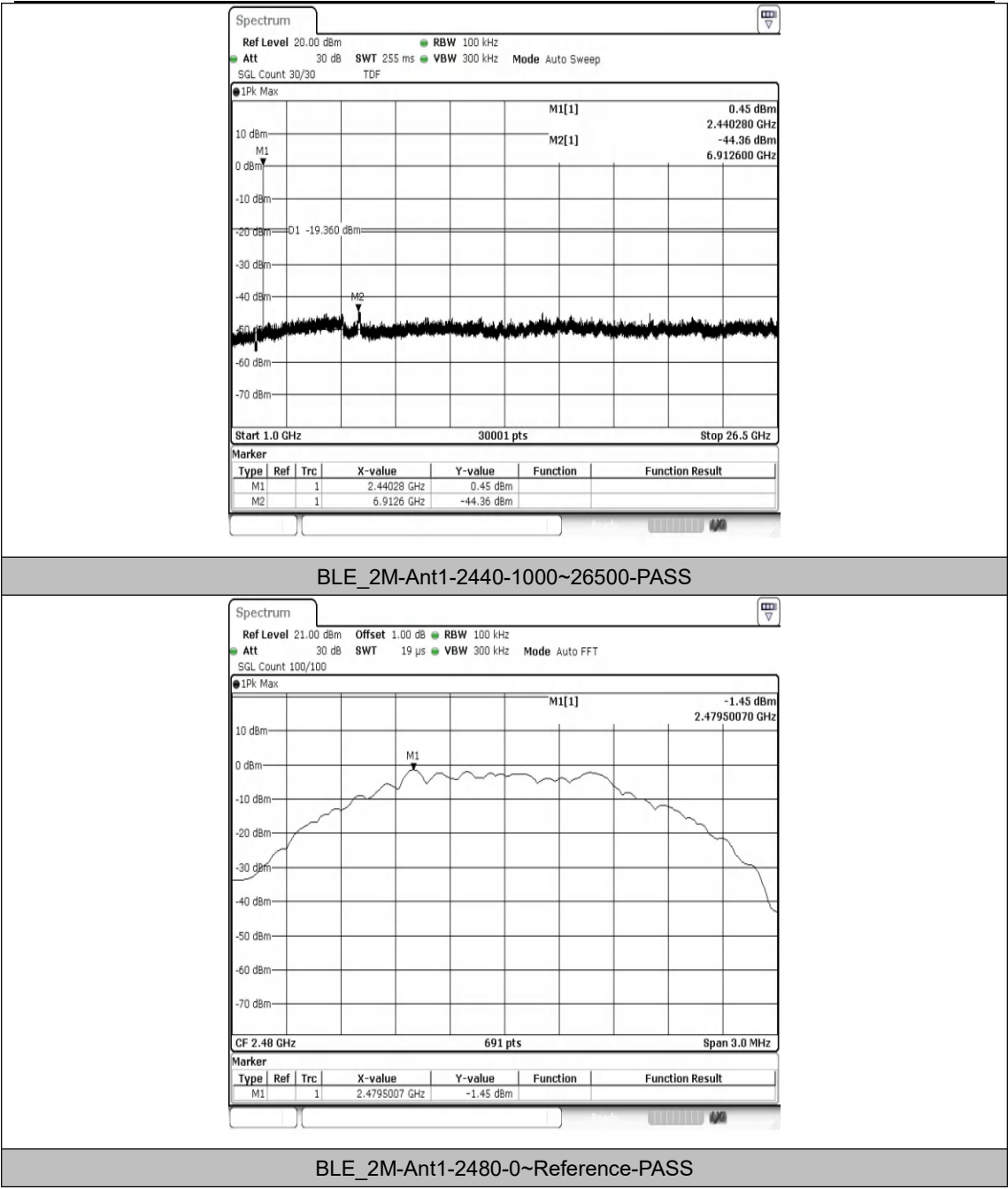
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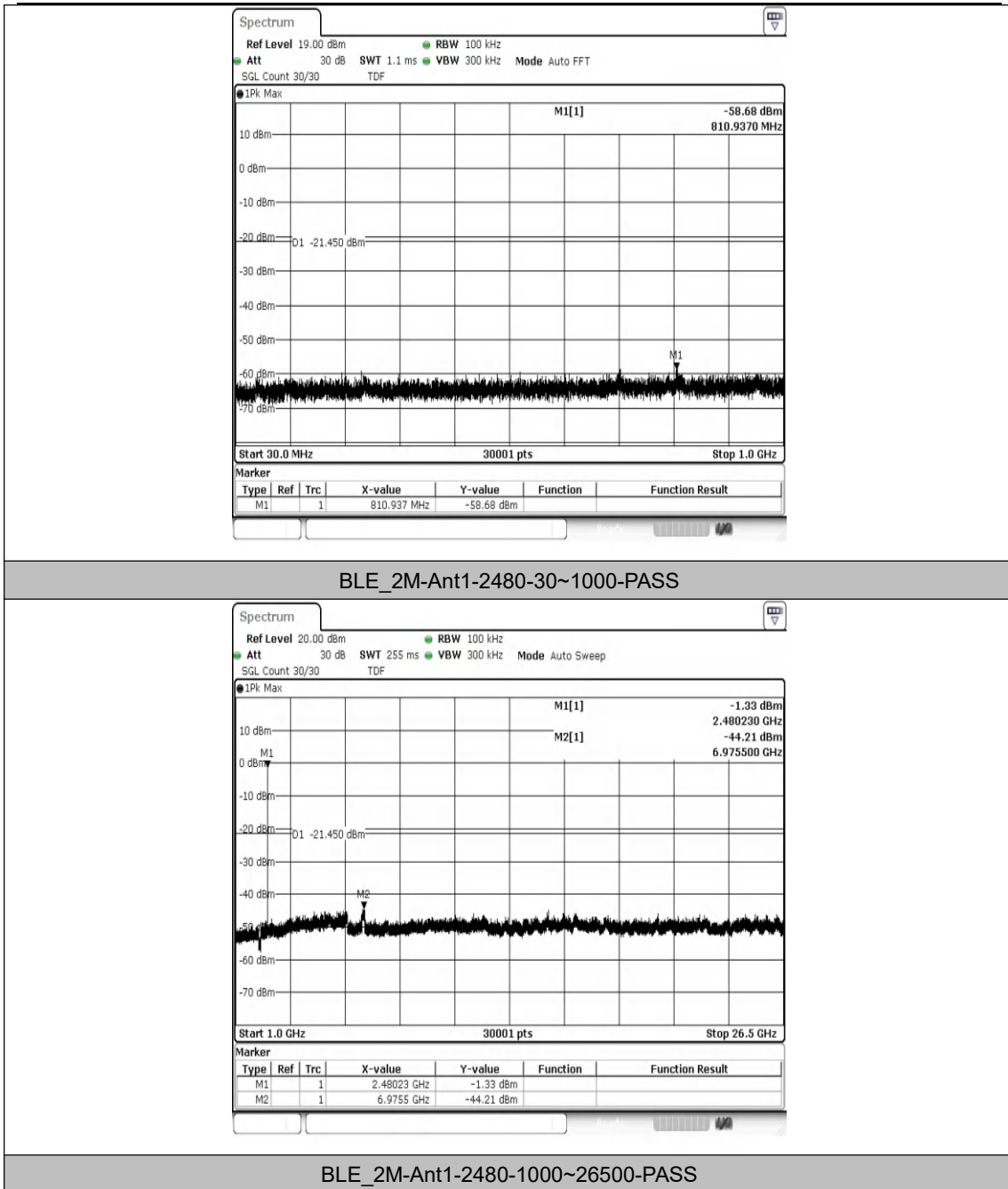


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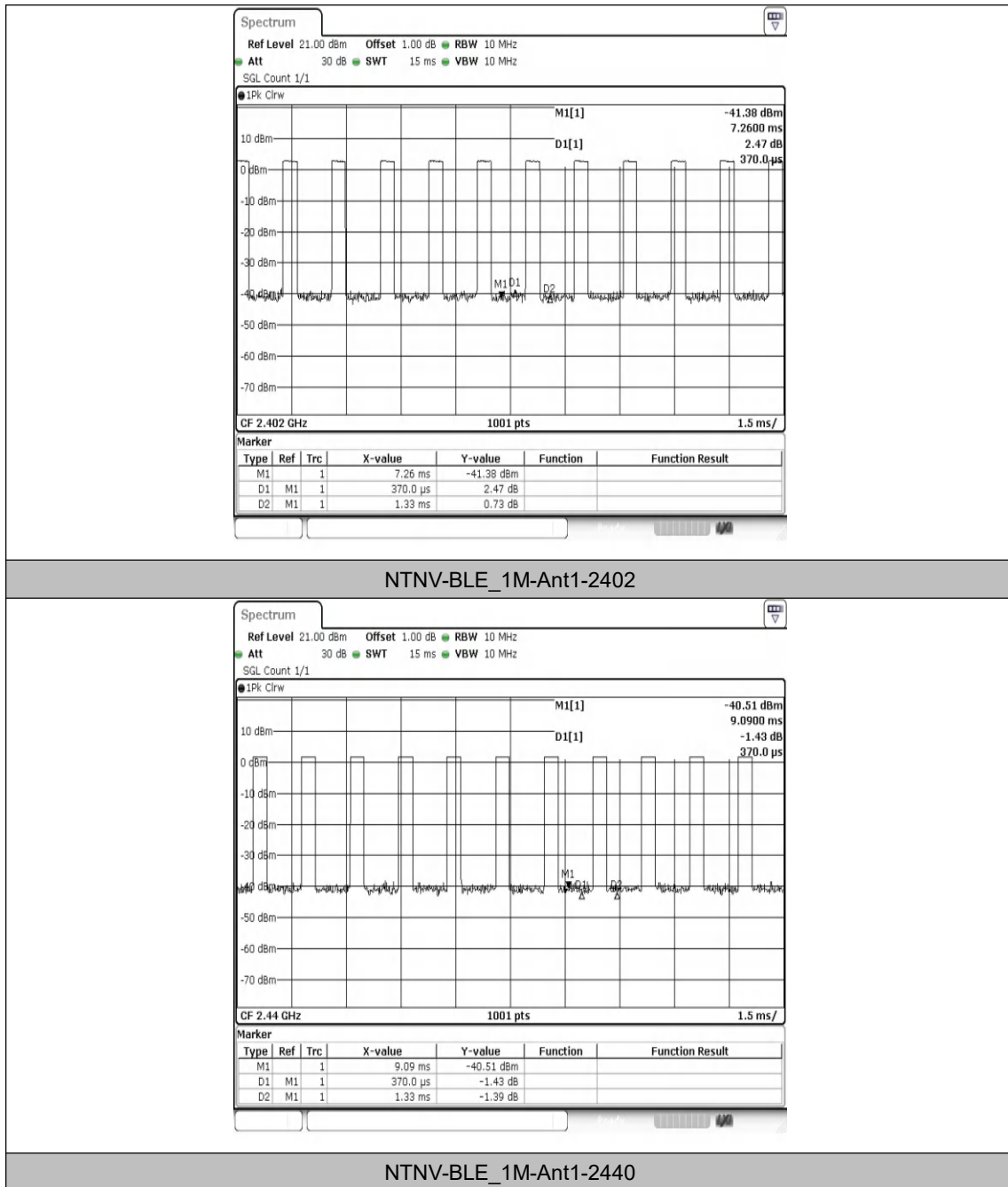
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.37	1.33	27.82	5.56
BLE_1M	Ant1	2440	0.37	1.33	27.82	5.56
BLE_1M	Ant1	2480	0.37	1.33	27.82	5.56
BLE_2M	Ant1	2402	0.18	0.70	25.71	5.90
BLE_2M	Ant1	2440	0.18	0.71	25.35	5.96
BLE_2M	Ant1	2480	0.18	0.71	25.35	5.96

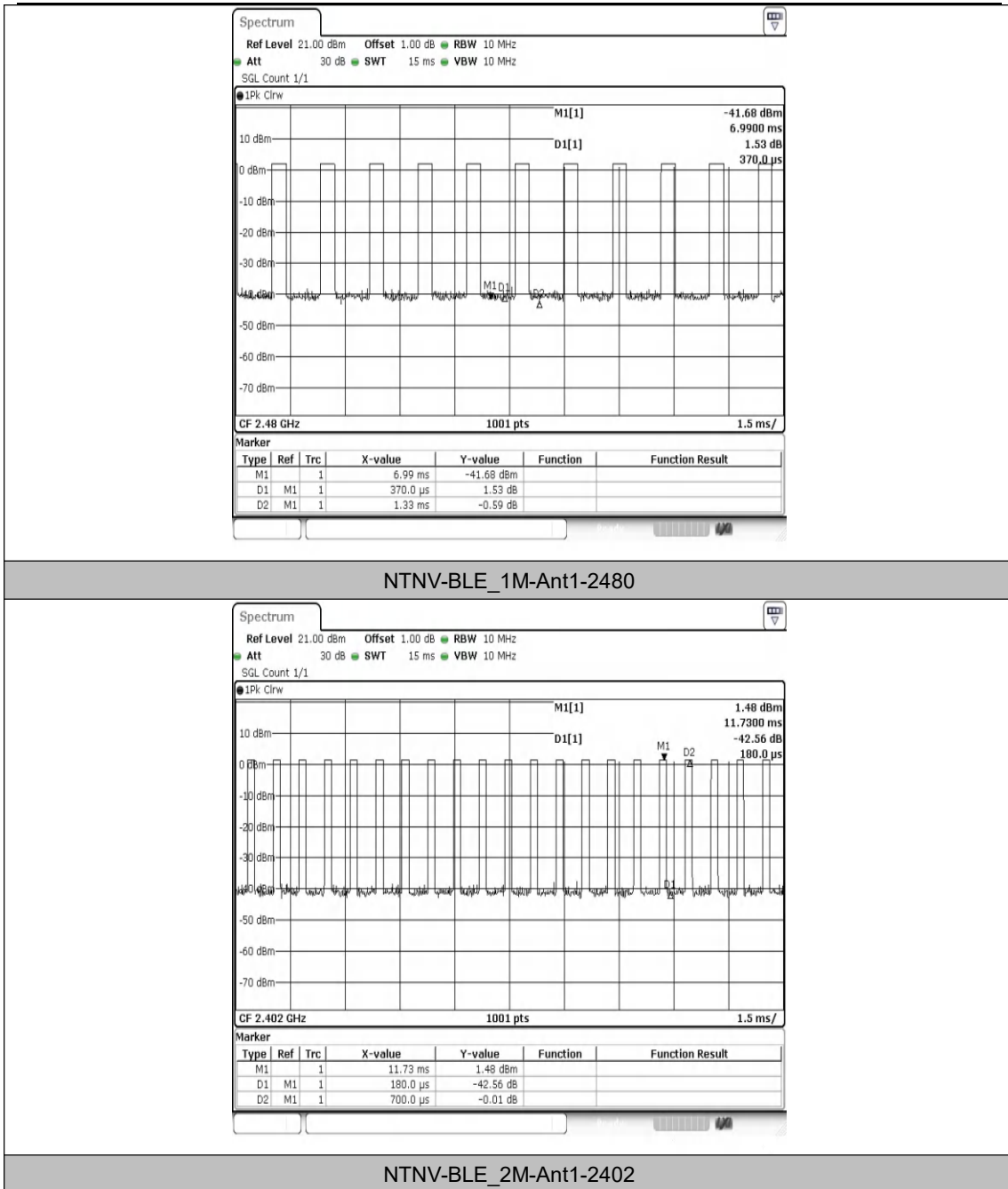
Test Graphs

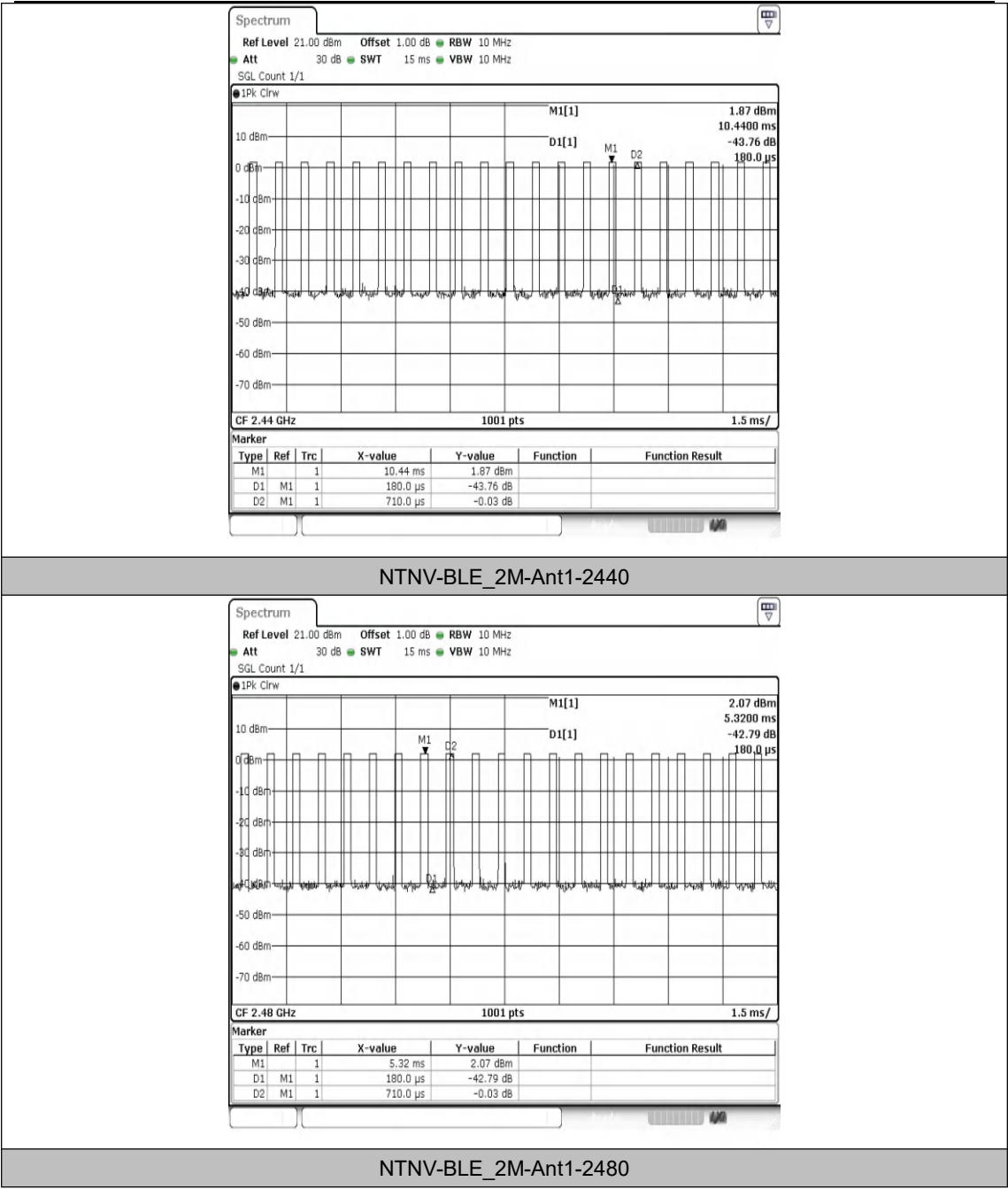


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