

Appendix Test Data

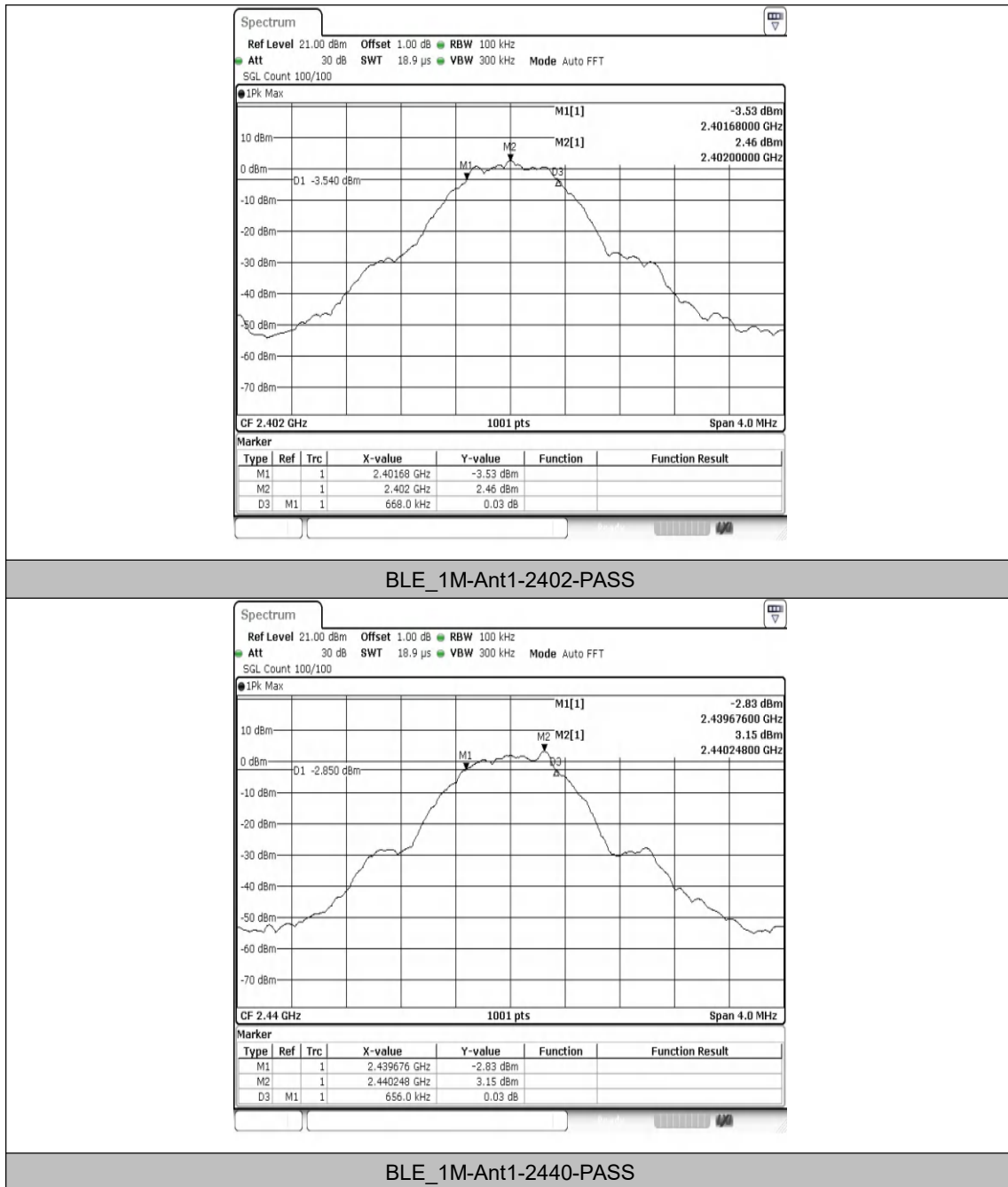
Report No.:	1812C50514812501	Test Sample No.:	1-2-2
Start Test Date:	2025-9-29	Finish Test Date:	2025-10-16
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.9°C	Relative Humidity:	45%
Pressure:	101kPa		

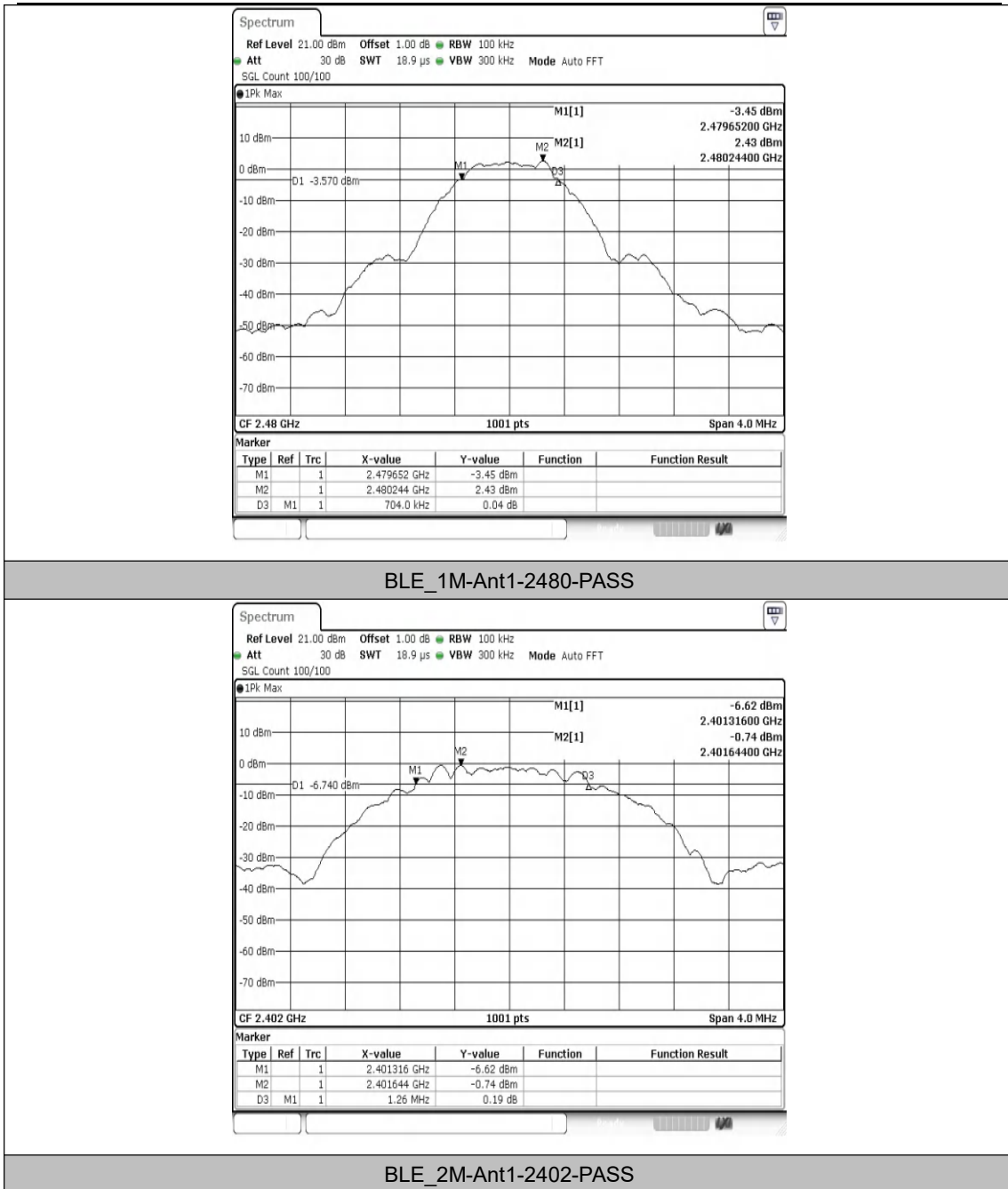
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.67	2401.68	2402.35	0.5	PASS
BLE_1M	Ant1	2440	0.66	2439.68	2440.33	0.5	PASS
BLE_1M	Ant1	2480	0.70	2479.65	2480.36	0.5	PASS
BLE_2M	Ant1	2402	1.26	2401.32	2402.58	0.5	PASS
BLE_2M	Ant1	2440	1.38	2439.32	2440.69	0.5	PASS
BLE_2M	Ant1	2480	1.35	2479.31	2480.66	0.5	PASS

Test Graphs

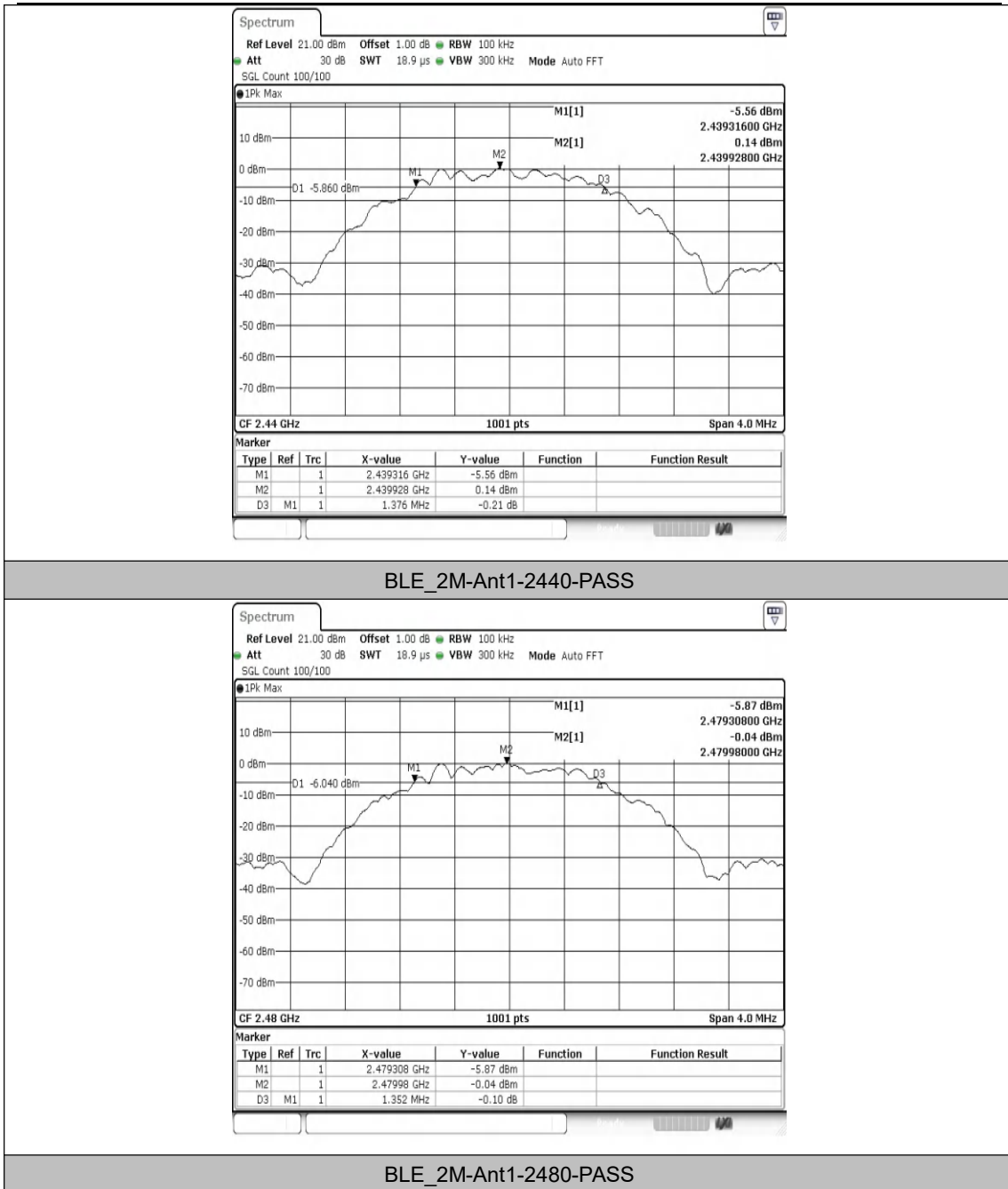




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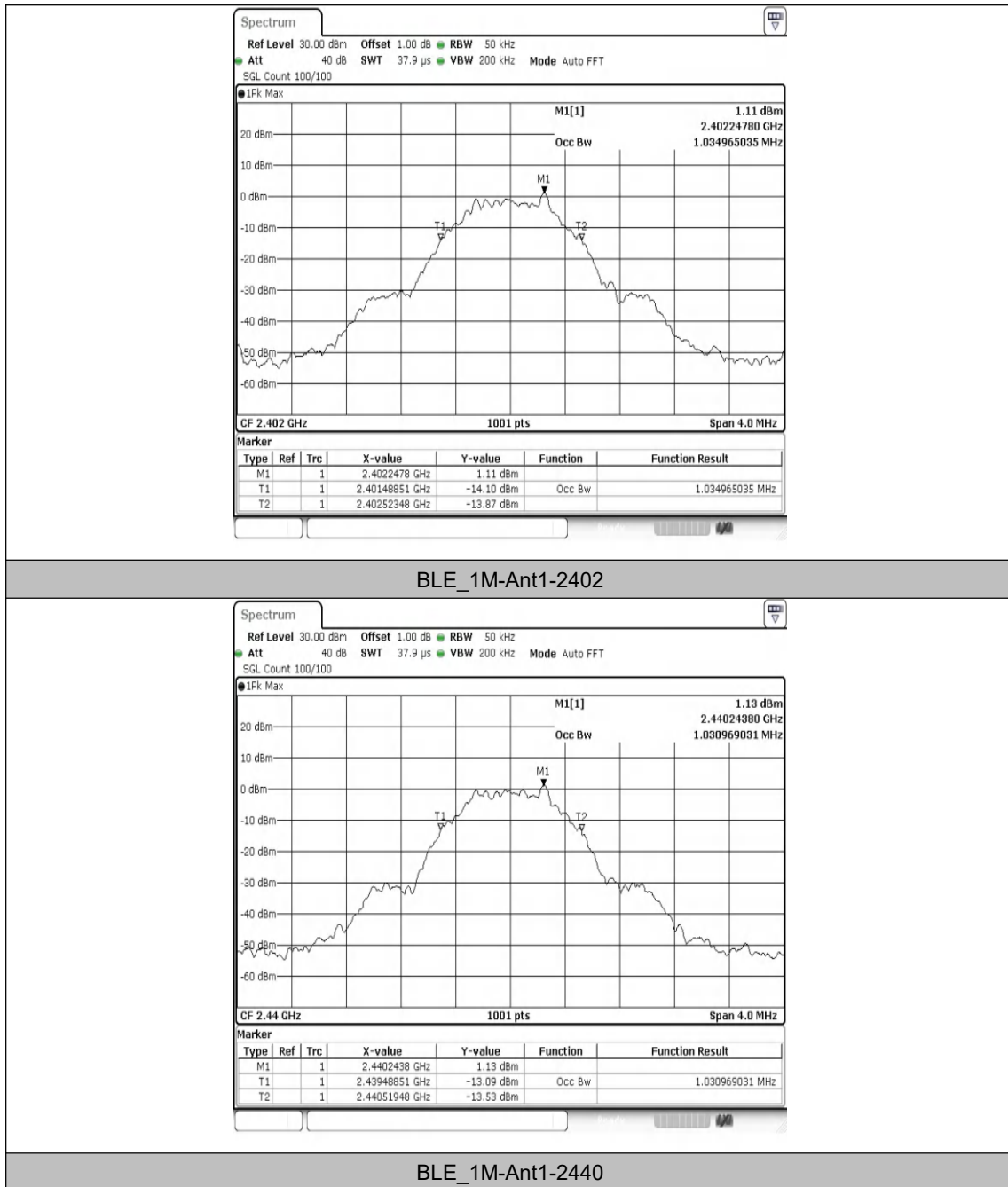


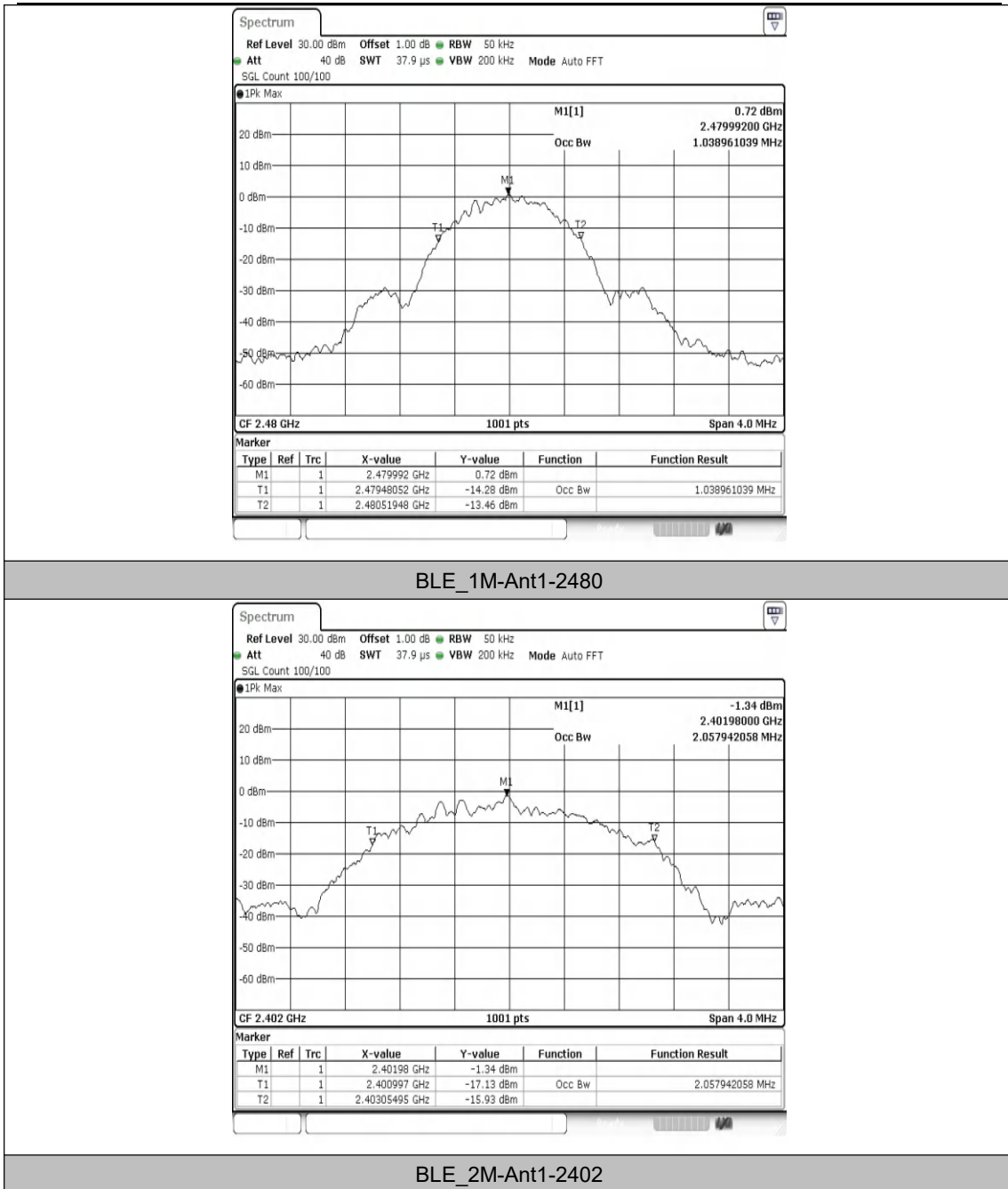
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0350	2401.4885	2402.5235	---	---
BLE_1M	Ant1	2440	1.0310	2439.4885	2440.5195	---	---
BLE_1M	Ant1	2480	1.0390	2479.4805	2480.5195	---	---
BLE_2M	Ant1	2402	2.0579	2400.9970	2403.0549	---	---
BLE_2M	Ant1	2440	2.0420	2439.0010	2441.0430	---	---
BLE_2M	Ant1	2480	2.0380	2479.0010	2481.0390	---	---

Test Graphs

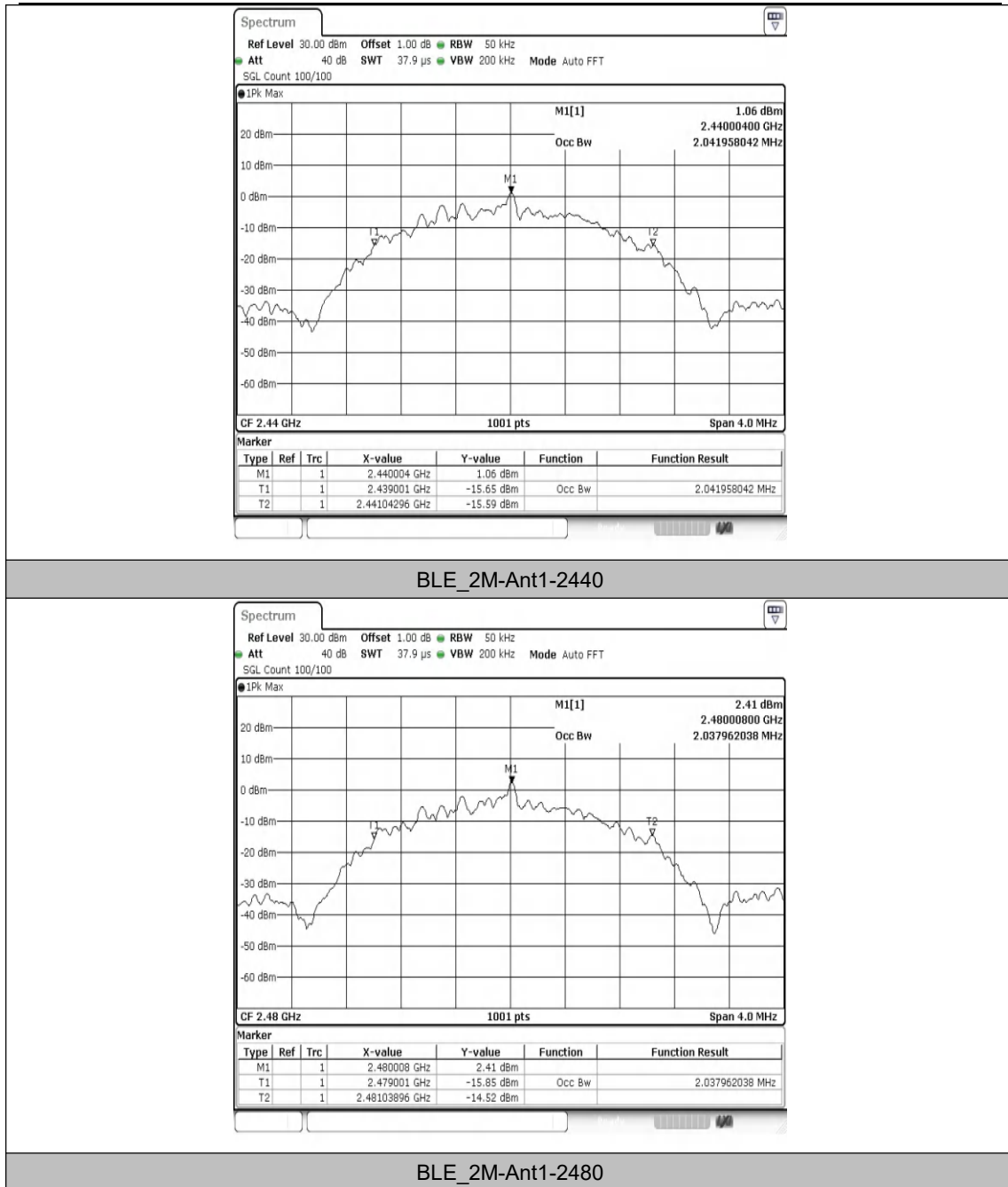




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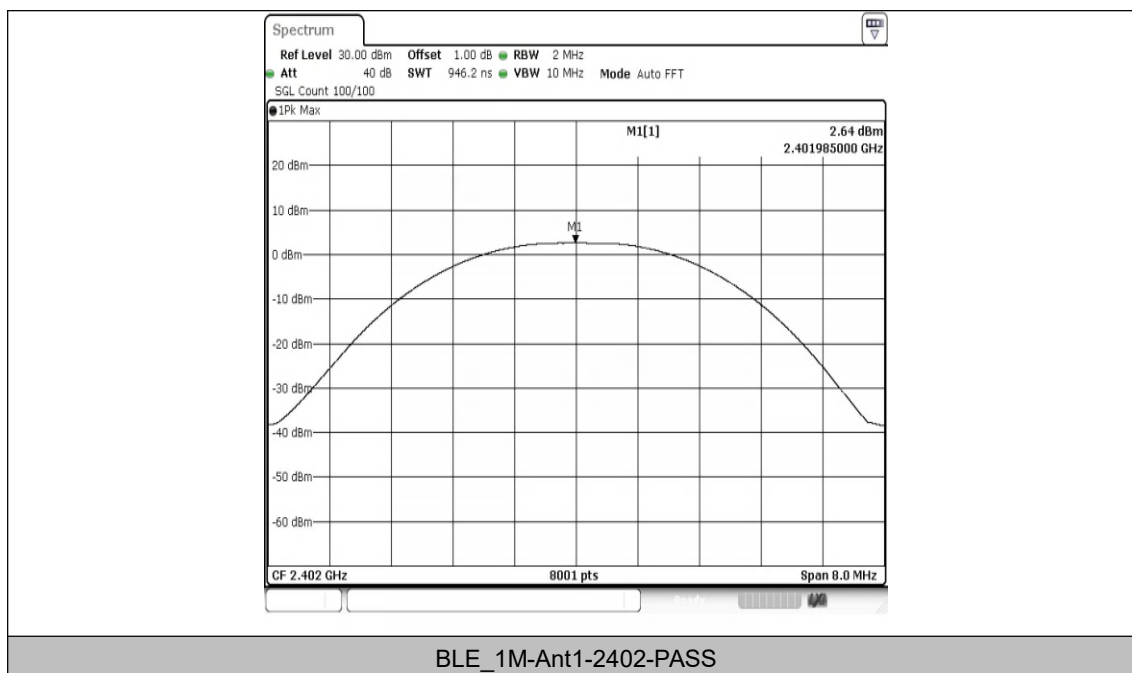


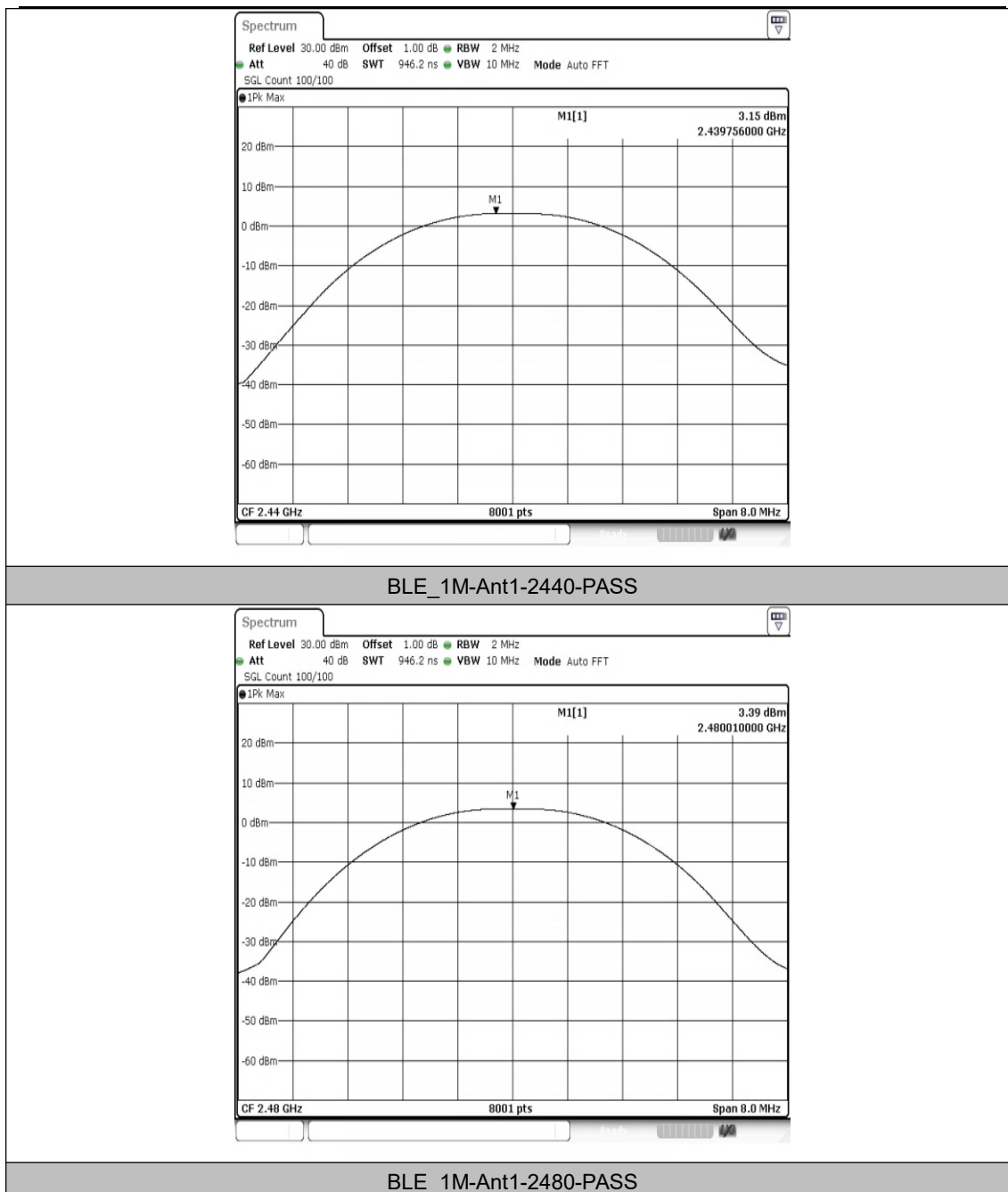
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.64	≤30	PASS
BLE_1M	Ant1	2440	3.15	≤30	PASS
BLE_1M	Ant1	2480	3.39	≤30	PASS
BLE_2M	Ant1	2402	2.67	≤30	PASS
BLE_2M	Ant1	2440	3.23	≤30	PASS
BLE_2M	Ant1	2480	3.51	≤30	PASS

Test Graphs Peak

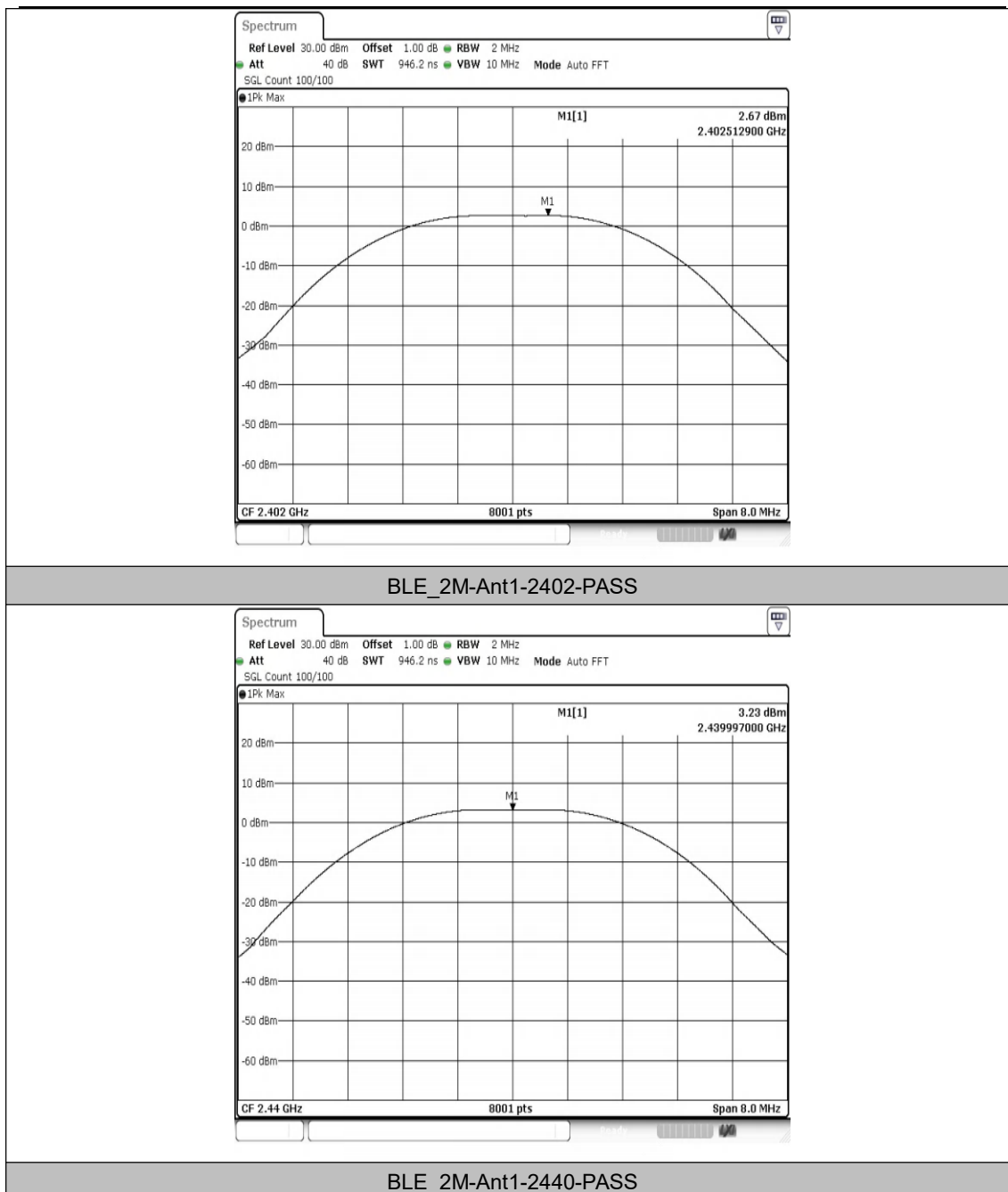




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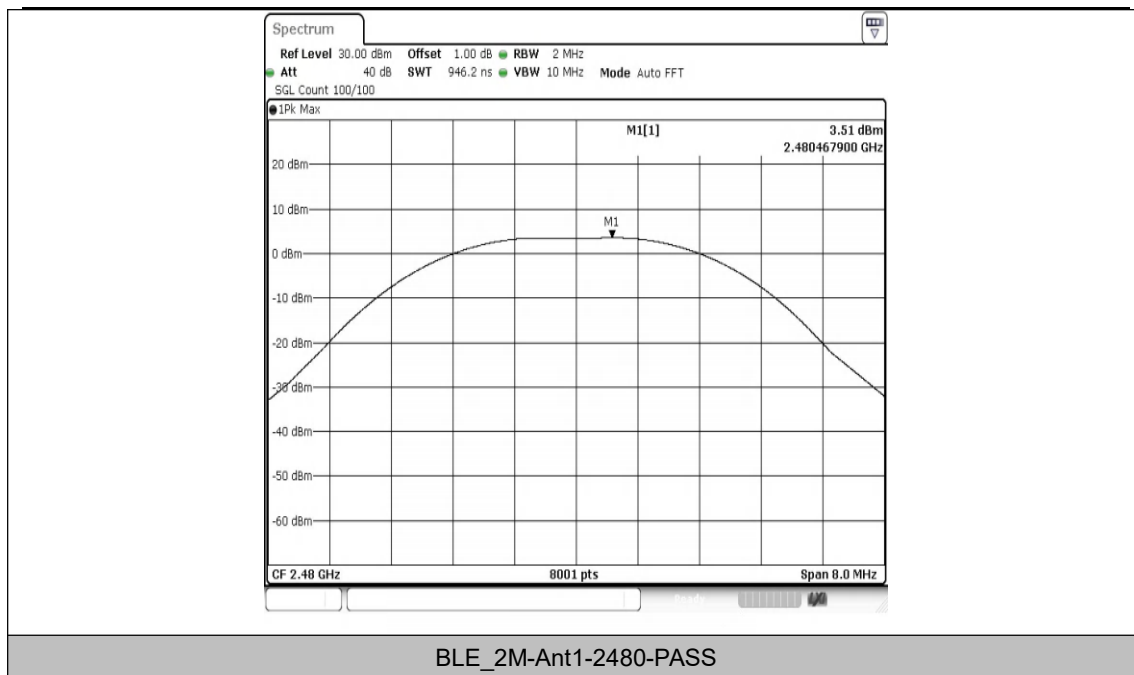
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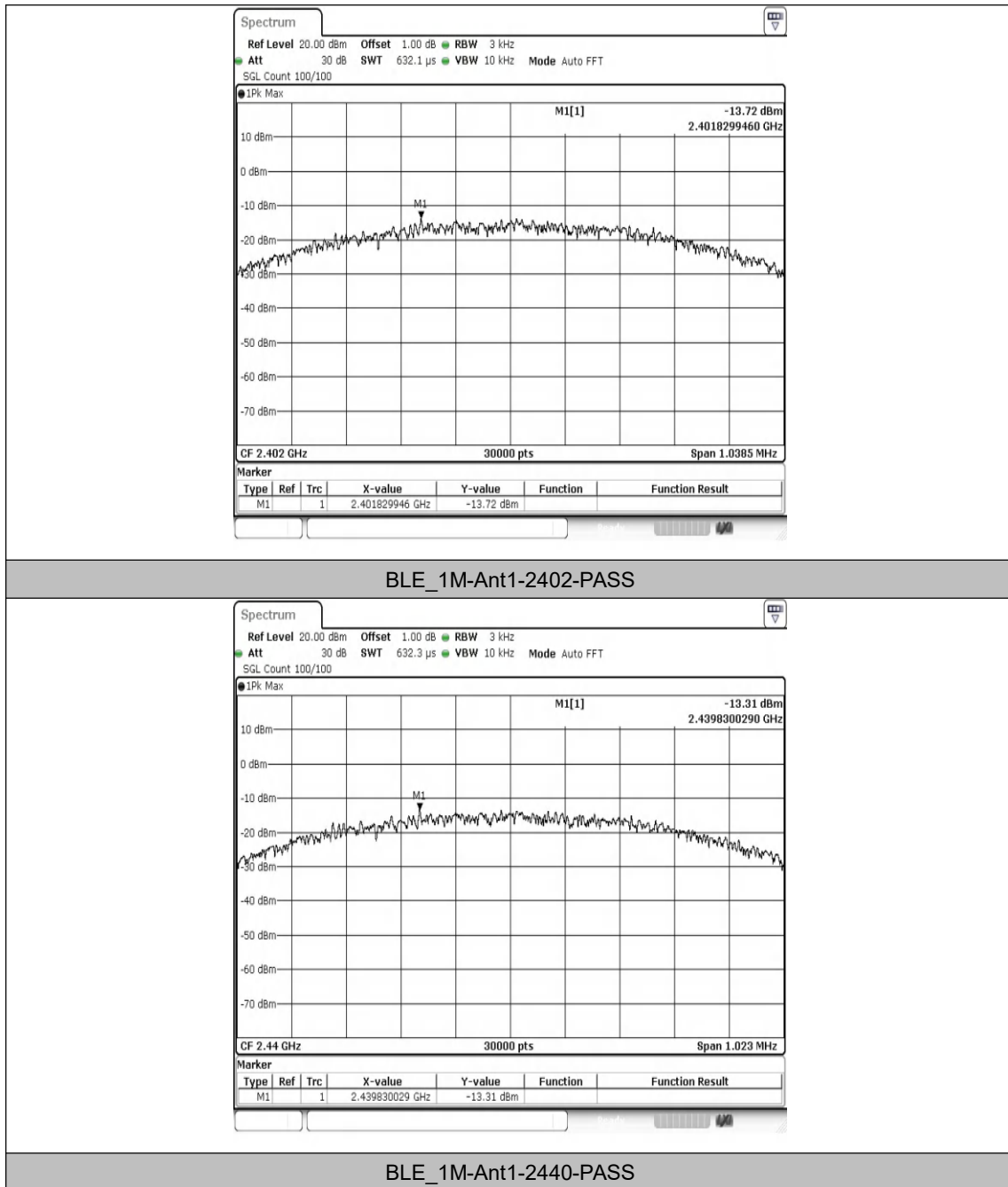
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.72	≤8.00	PASS
BLE_1M	Ant1	2440	-13.31	≤8.00	PASS
BLE_1M	Ant1	2480	-13.58	≤8.00	PASS
BLE_2M	Ant1	2402	-15.36	≤8.00	PASS
BLE_2M	Ant1	2440	-15.06	≤8.00	PASS
BLE_2M	Ant1	2480	-14.45	≤8.00	PASS

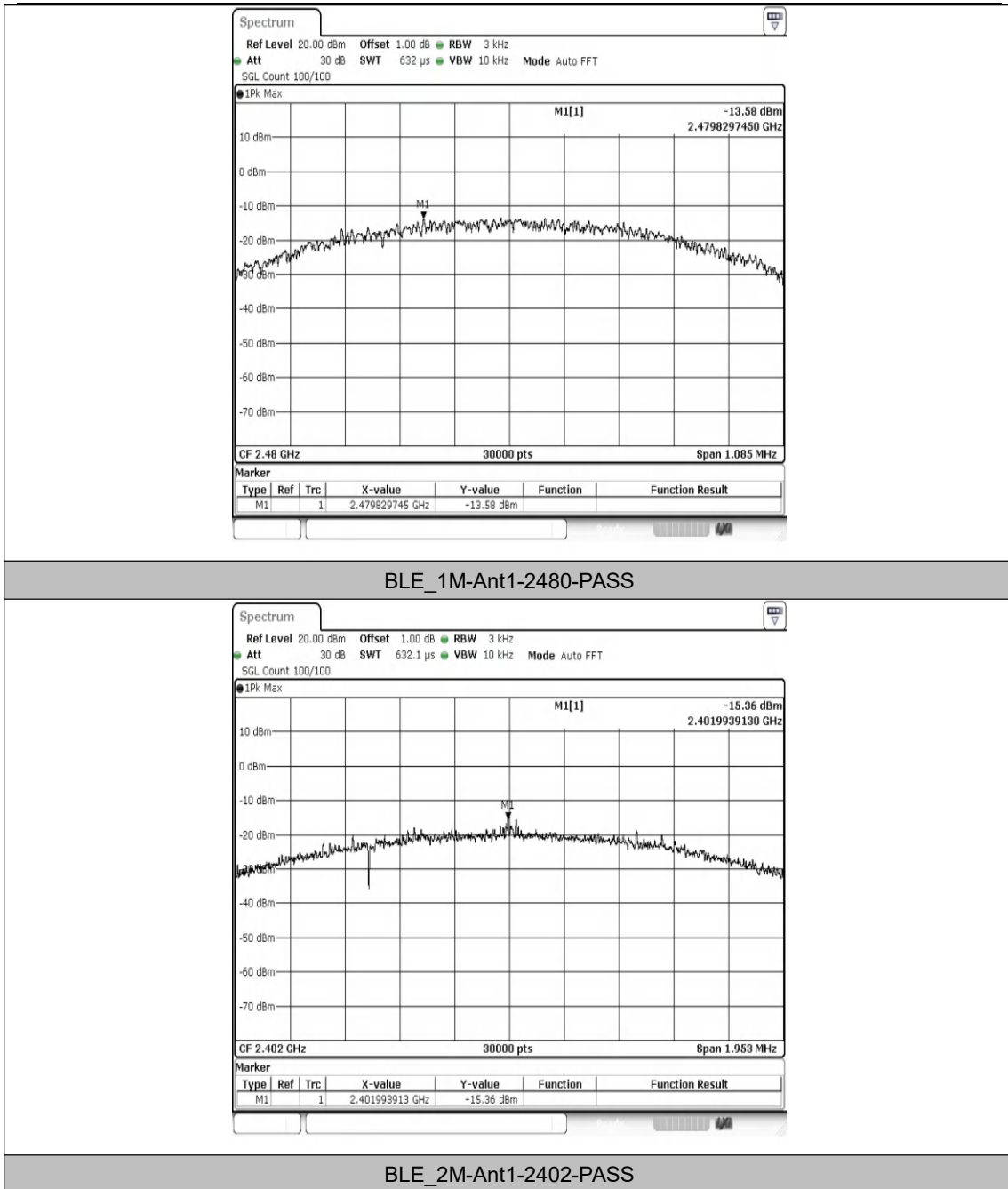
Test Graphs



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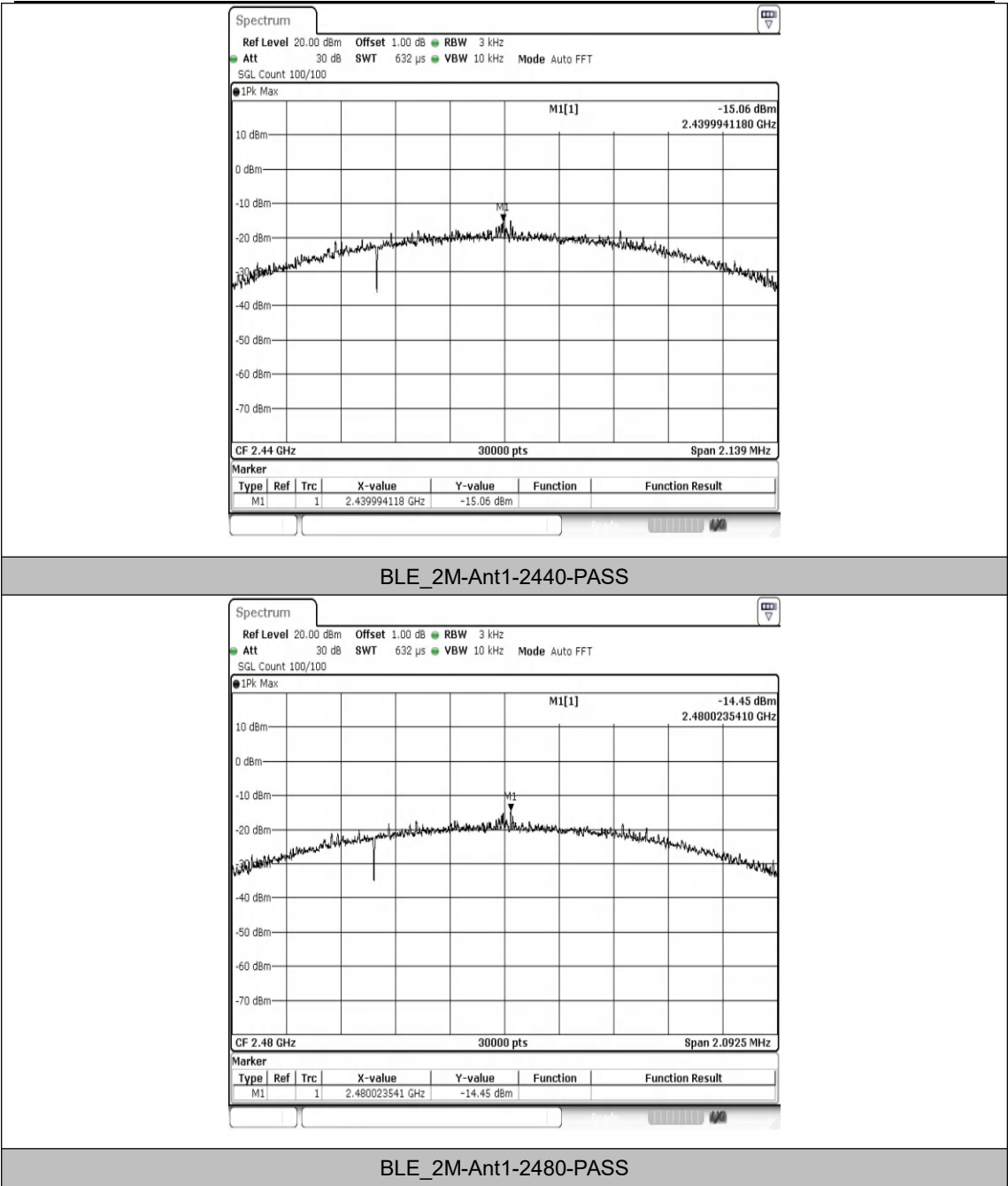
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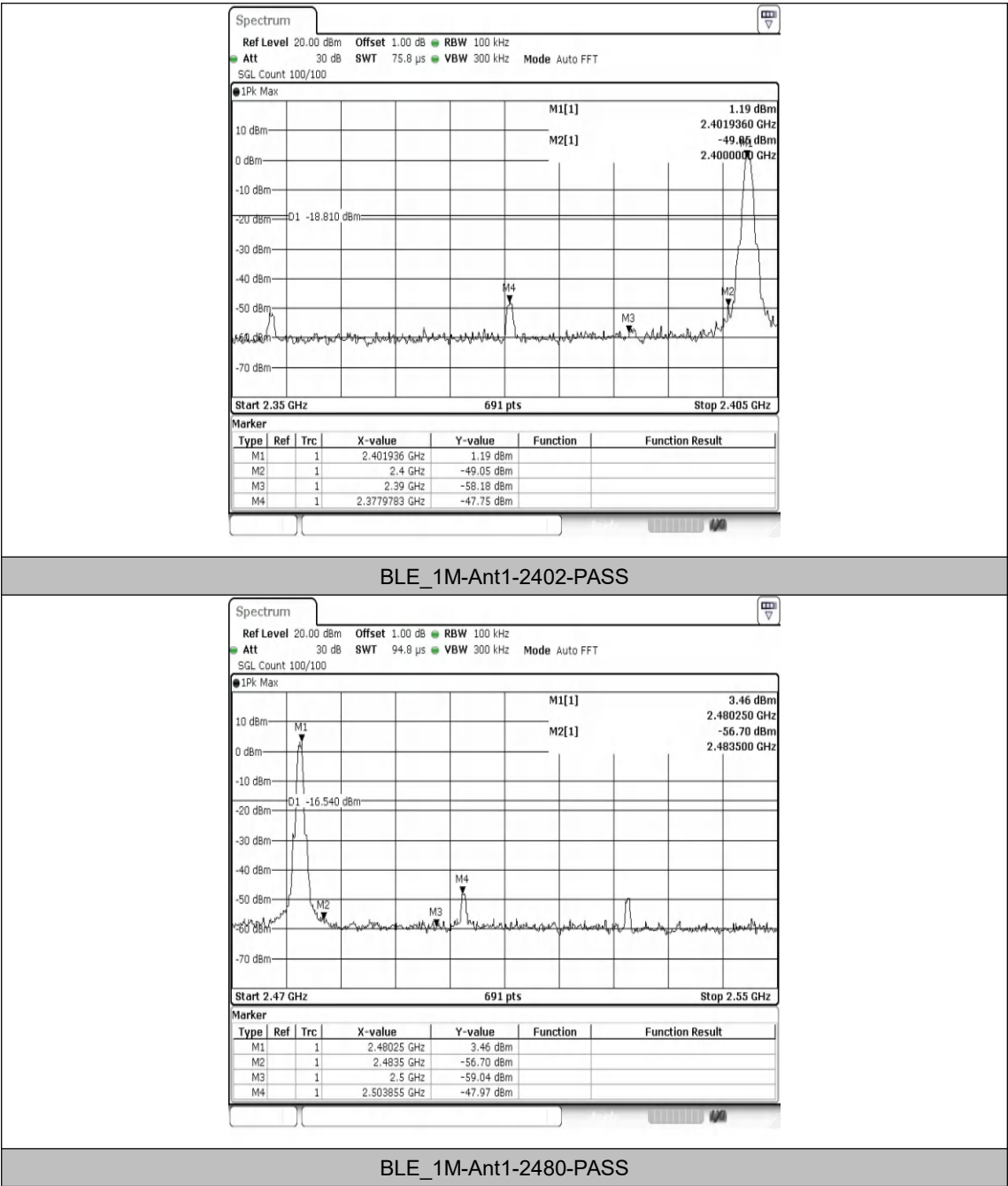
Appendix E: Band edge measurements

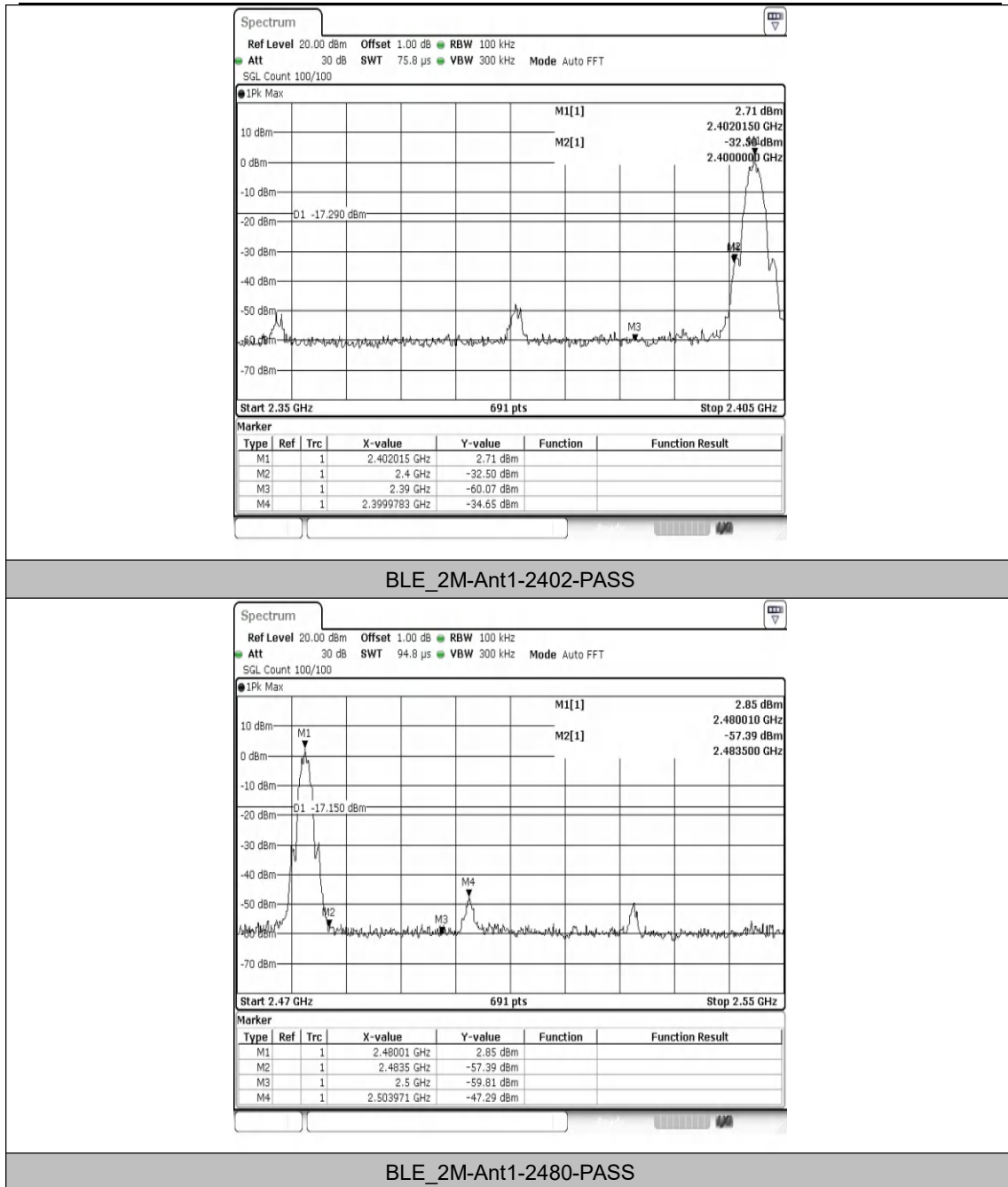
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.19	-47.75	≤-18.81	PASS
BLE_1M	Ant1	High	2480	3.46	-47.97	≤-16.54	PASS
BLE_2M	Ant1	Low	2402	2.71	-34.65	≤-17.29	PASS
BLE_2M	Ant1	High	2480	2.85	-47.29	≤-17.15	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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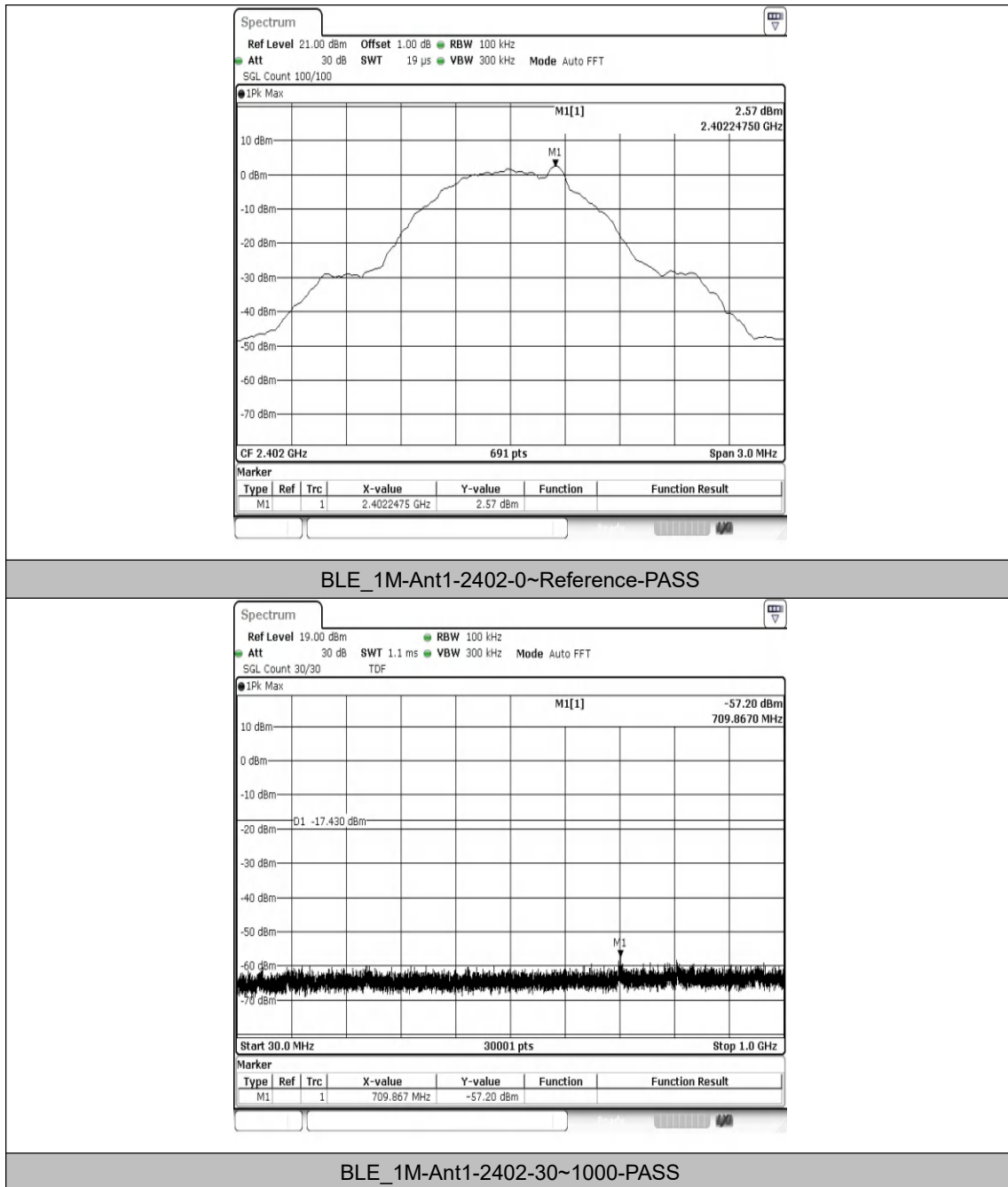
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	2.57	2.57	---	PASS
BLE_1M	Ant1	2402	30~1000	2.57	-57.2	≤-17.43	PASS
BLE_1M	Ant1	2402	1000~26500	2.57	-42.5	≤-17.43	PASS
BLE_1M	Ant1	2440	0~Reference	3.04	3.04	---	PASS
BLE_1M	Ant1	2440	30~1000	3.04	-57.83	≤-16.96	PASS
BLE_1M	Ant1	2440	1000~26500	3.04	-41.16	≤-16.96	PASS
BLE_1M	Ant1	2480	0~Reference	3.28	3.28	---	PASS
BLE_1M	Ant1	2480	30~1000	3.28	-58.03	≤-16.72	PASS
BLE_1M	Ant1	2480	1000~26500	3.28	-43.3	≤-16.72	PASS
BLE_2M	Ant1	2402	0~Reference	0.85	0.85	---	PASS
BLE_2M	Ant1	2402	30~1000	0.85	-58.34	≤-19.15	PASS
BLE_2M	Ant1	2402	1000~26500	0.85	-43.71	≤-19.15	PASS
BLE_2M	Ant1	2440	0~Reference	0.06	0.06	---	PASS
BLE_2M	Ant1	2440	30~1000	0.06	-57.35	≤-19.94	PASS
BLE_2M	Ant1	2440	1000~26500	0.06	-44.13	≤-19.94	PASS
BLE_2M	Ant1	2480	0~Reference	2.91	2.91	---	PASS
BLE_2M	Ant1	2480	30~1000	2.91	-57.39	≤-17.09	PASS
BLE_2M	Ant1	2480	1000~26500	2.91	-43.59	≤-17.09	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.

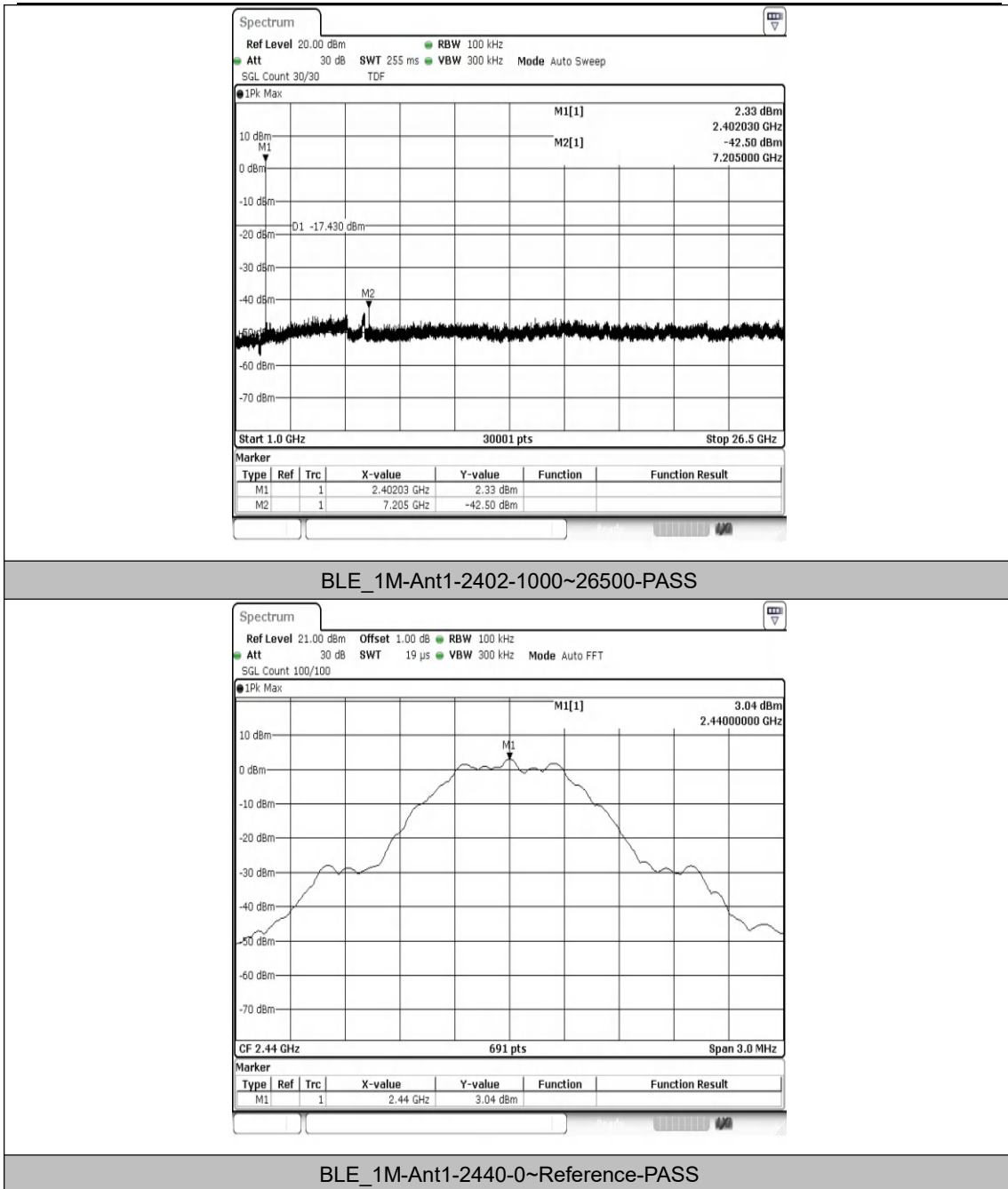
Test Graphs



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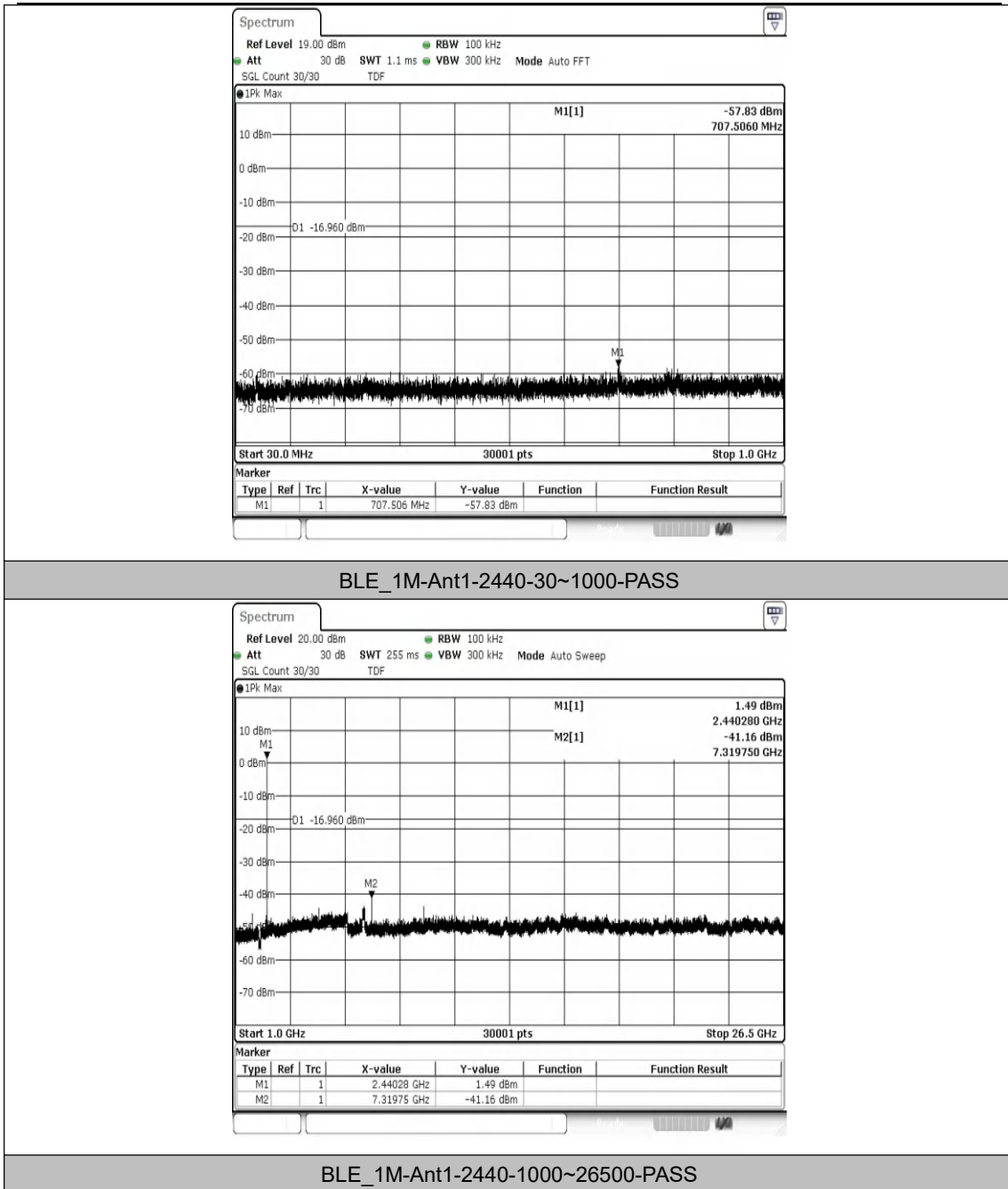
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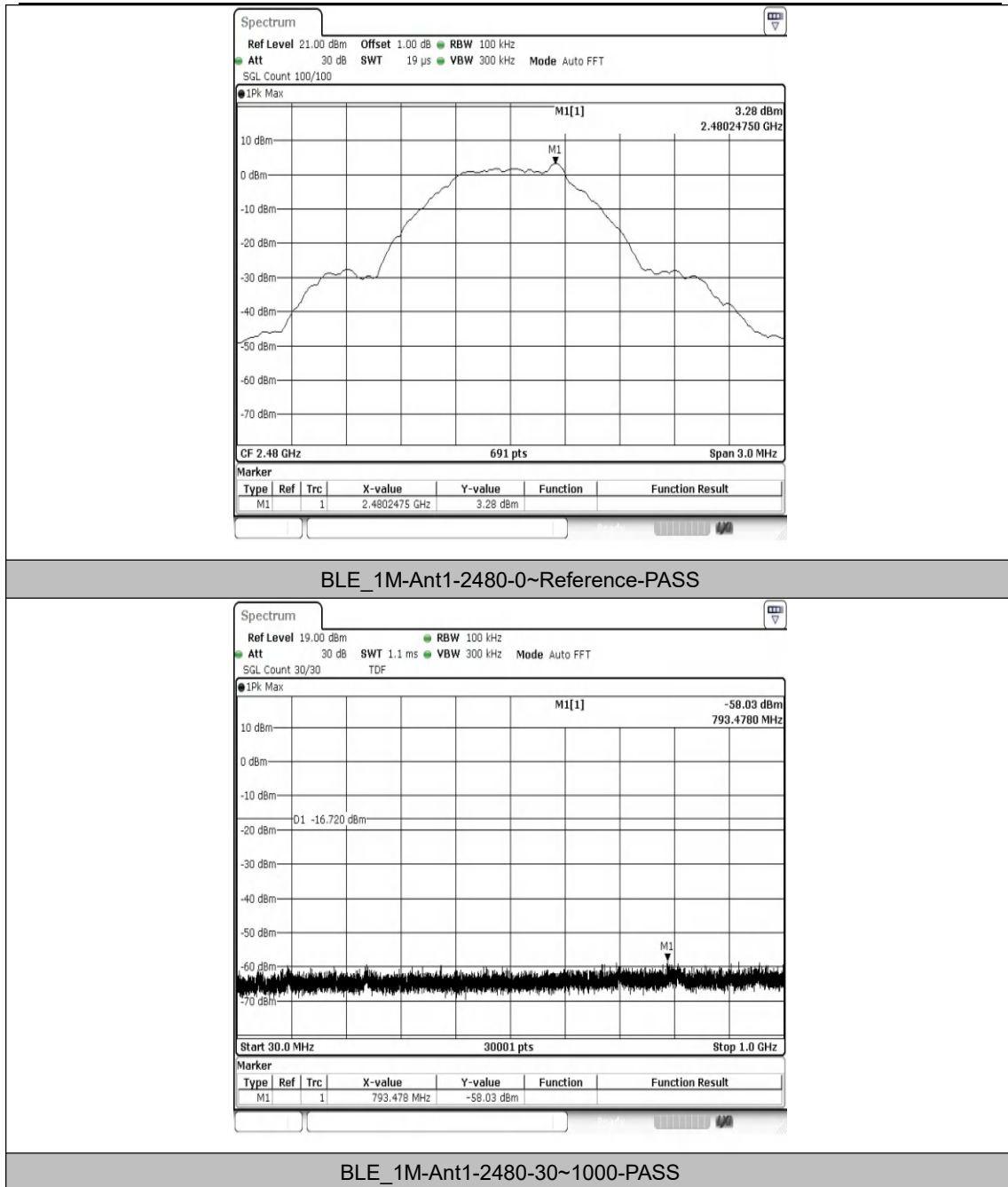
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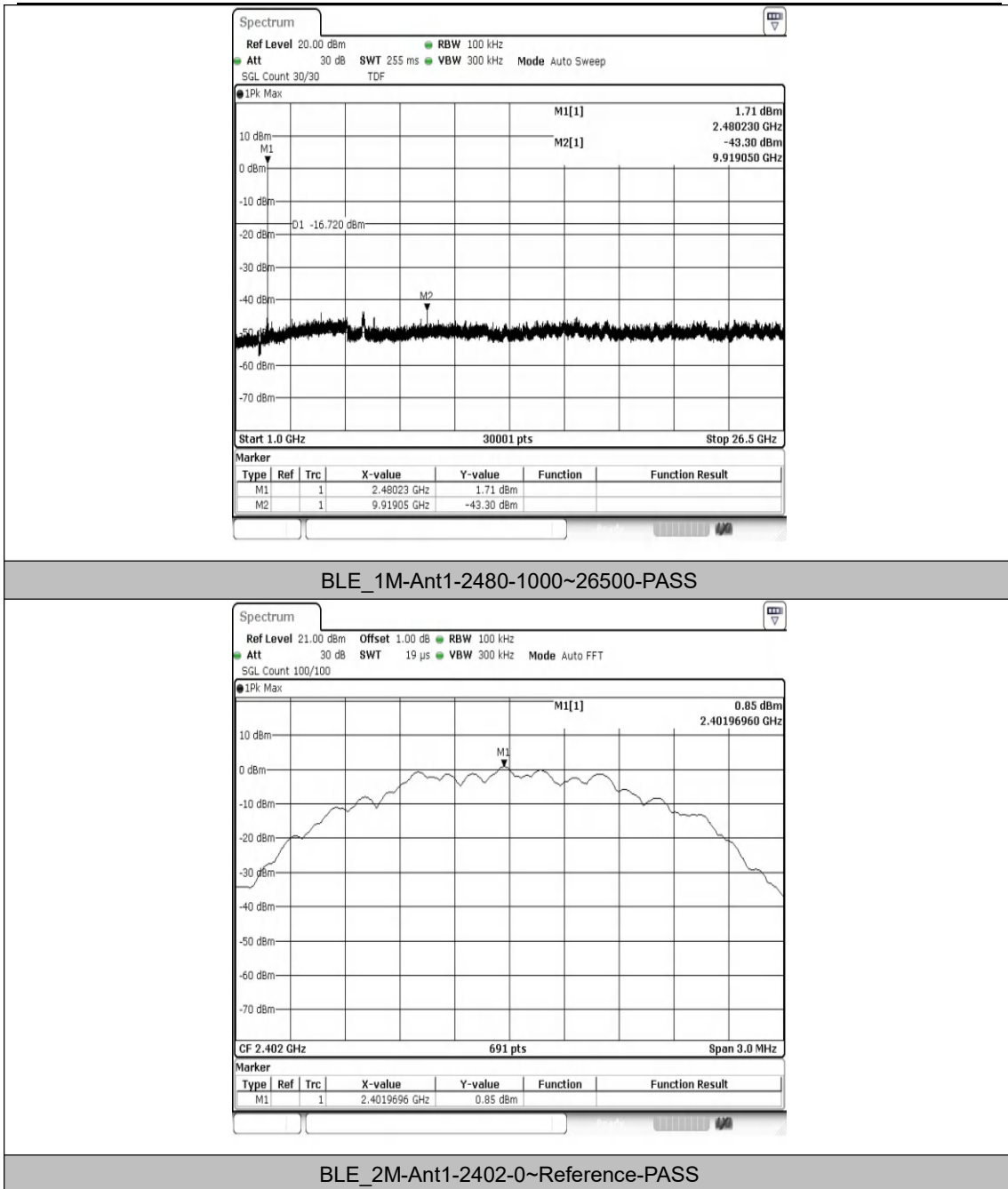
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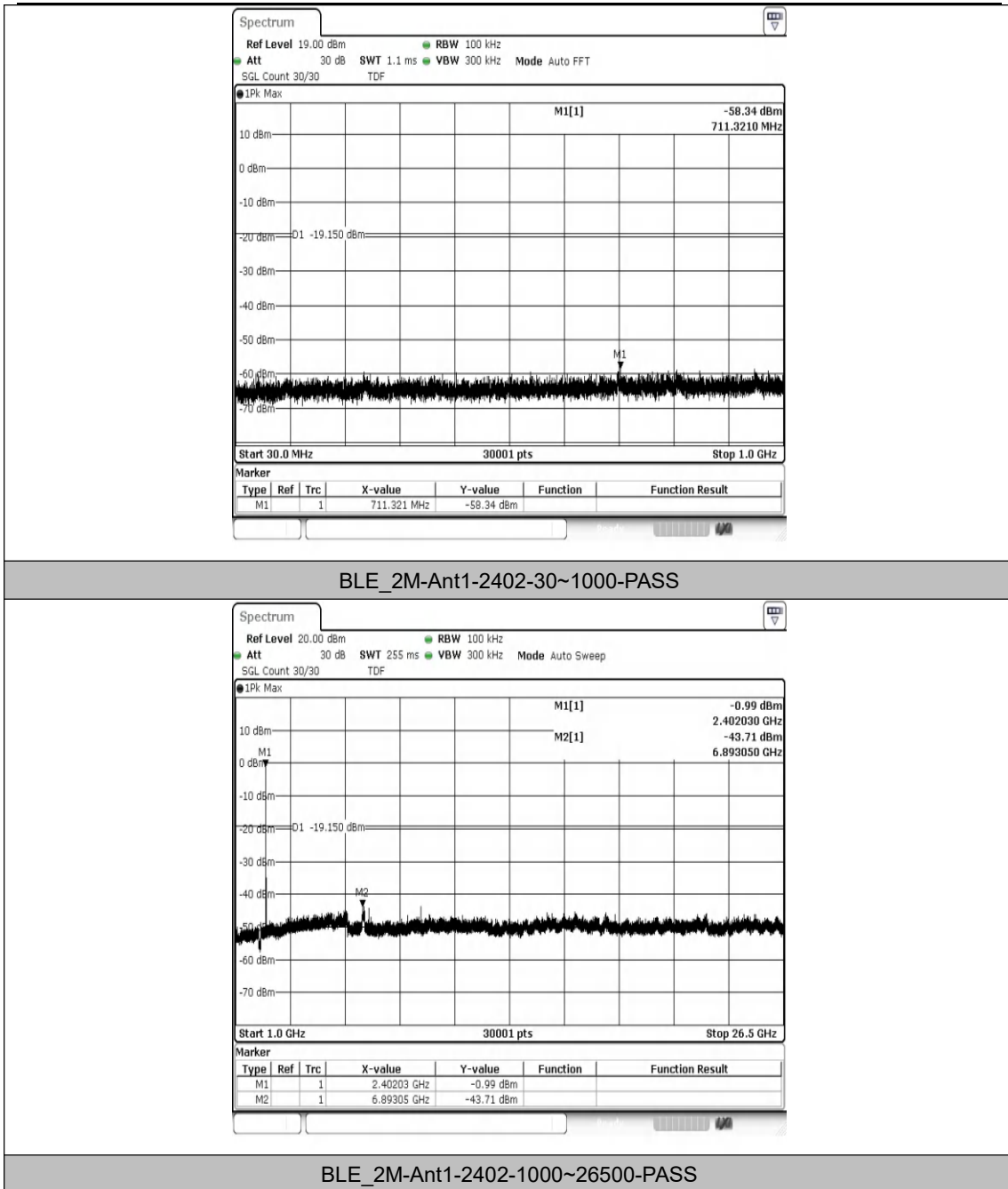
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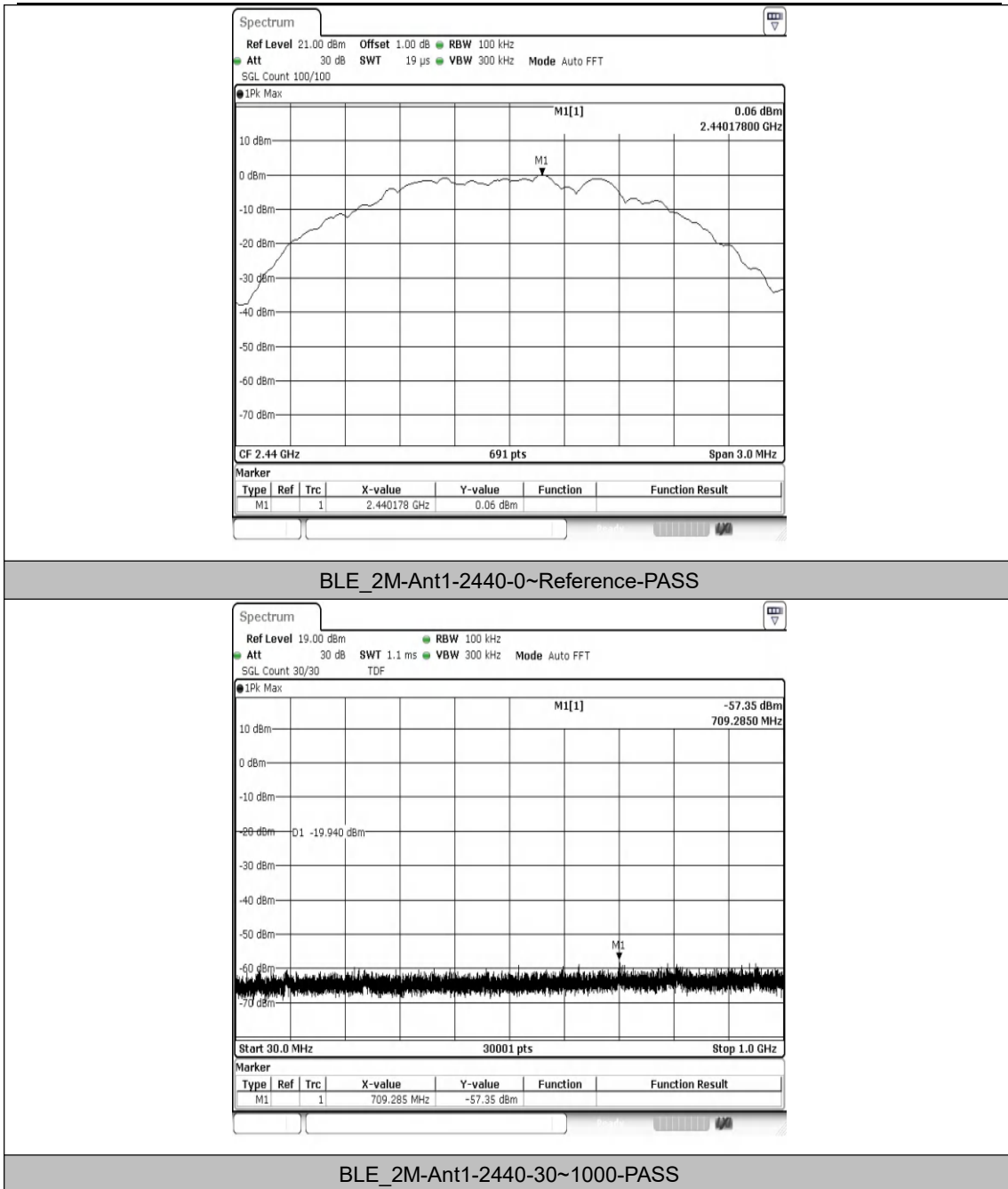
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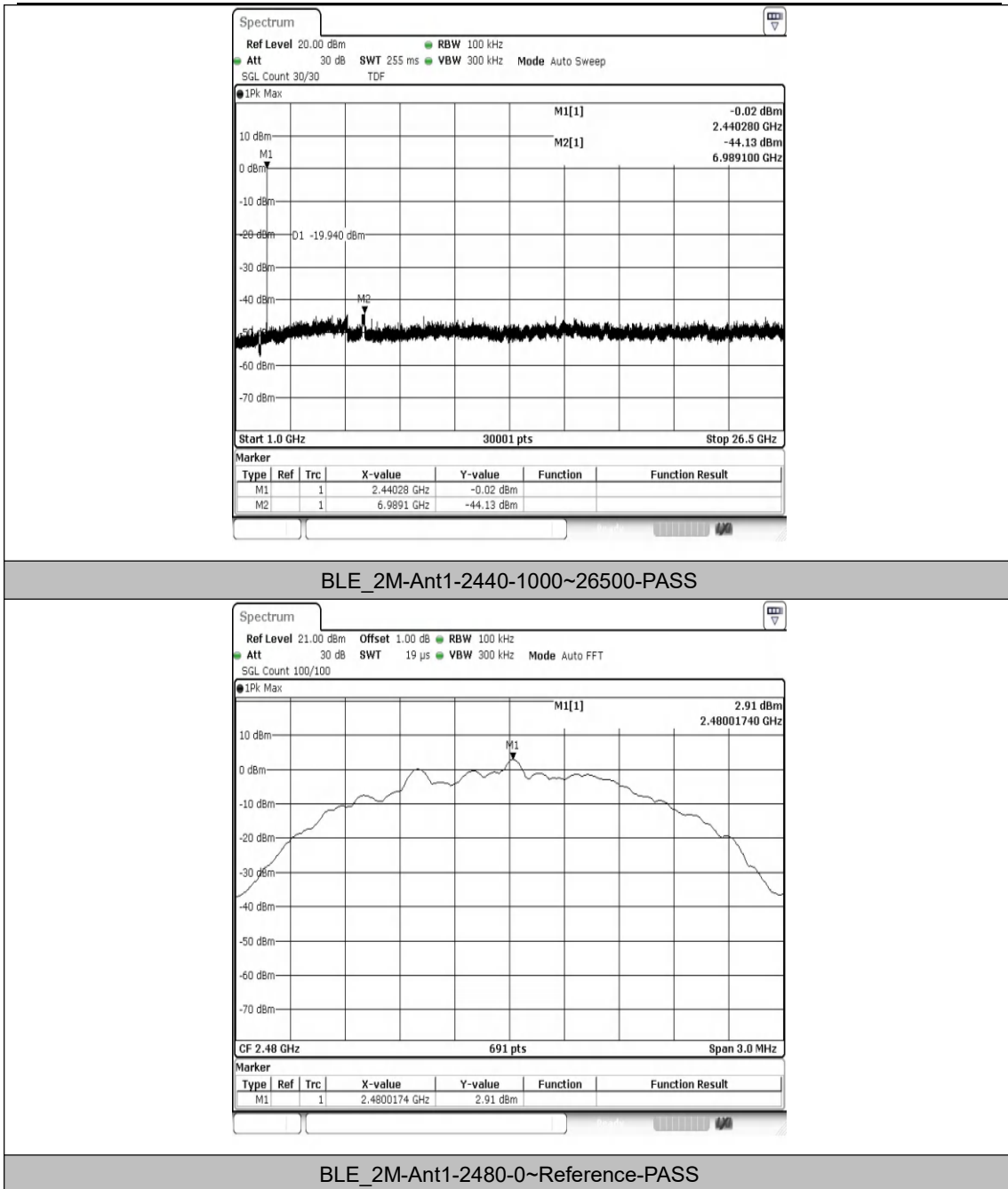
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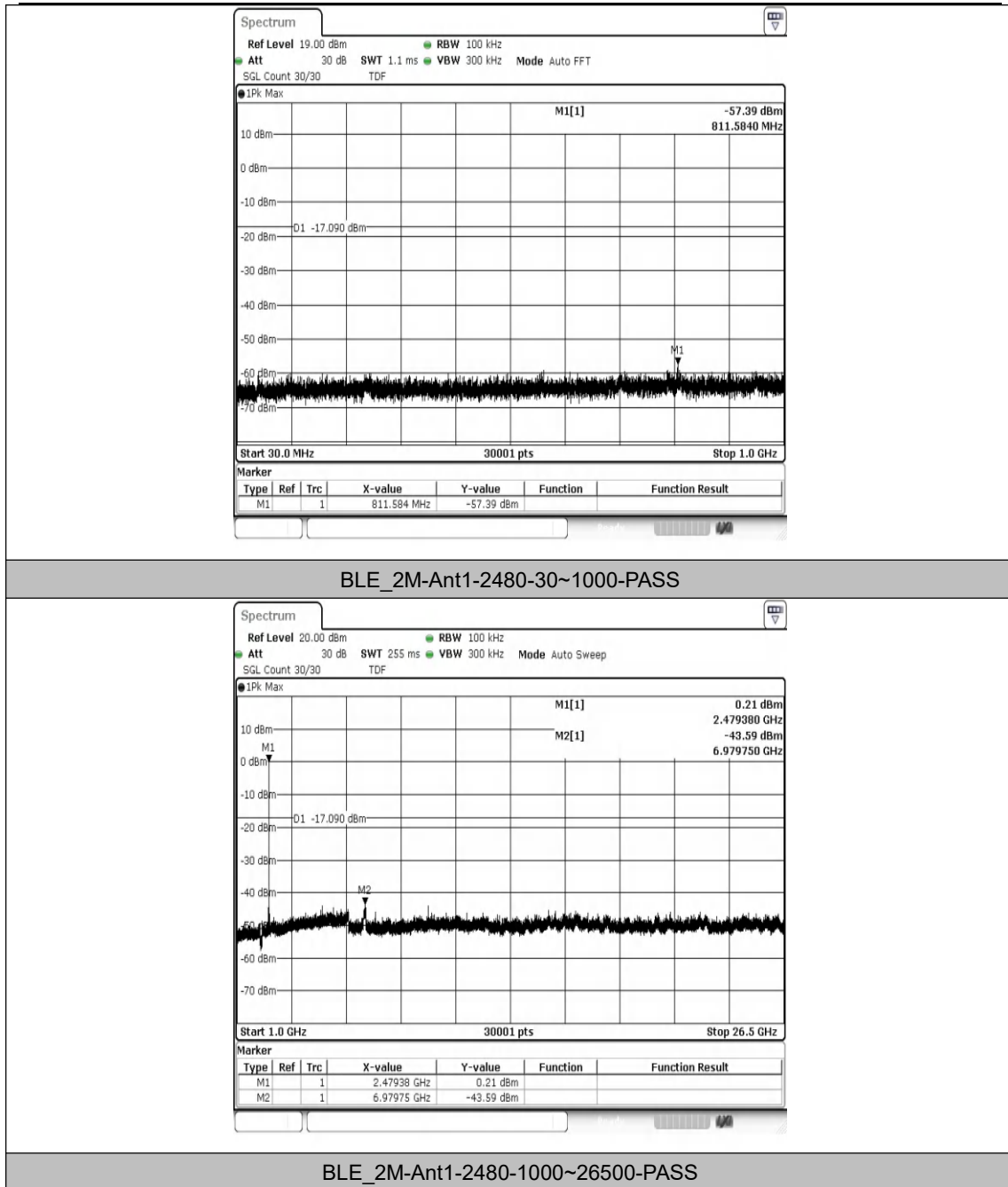
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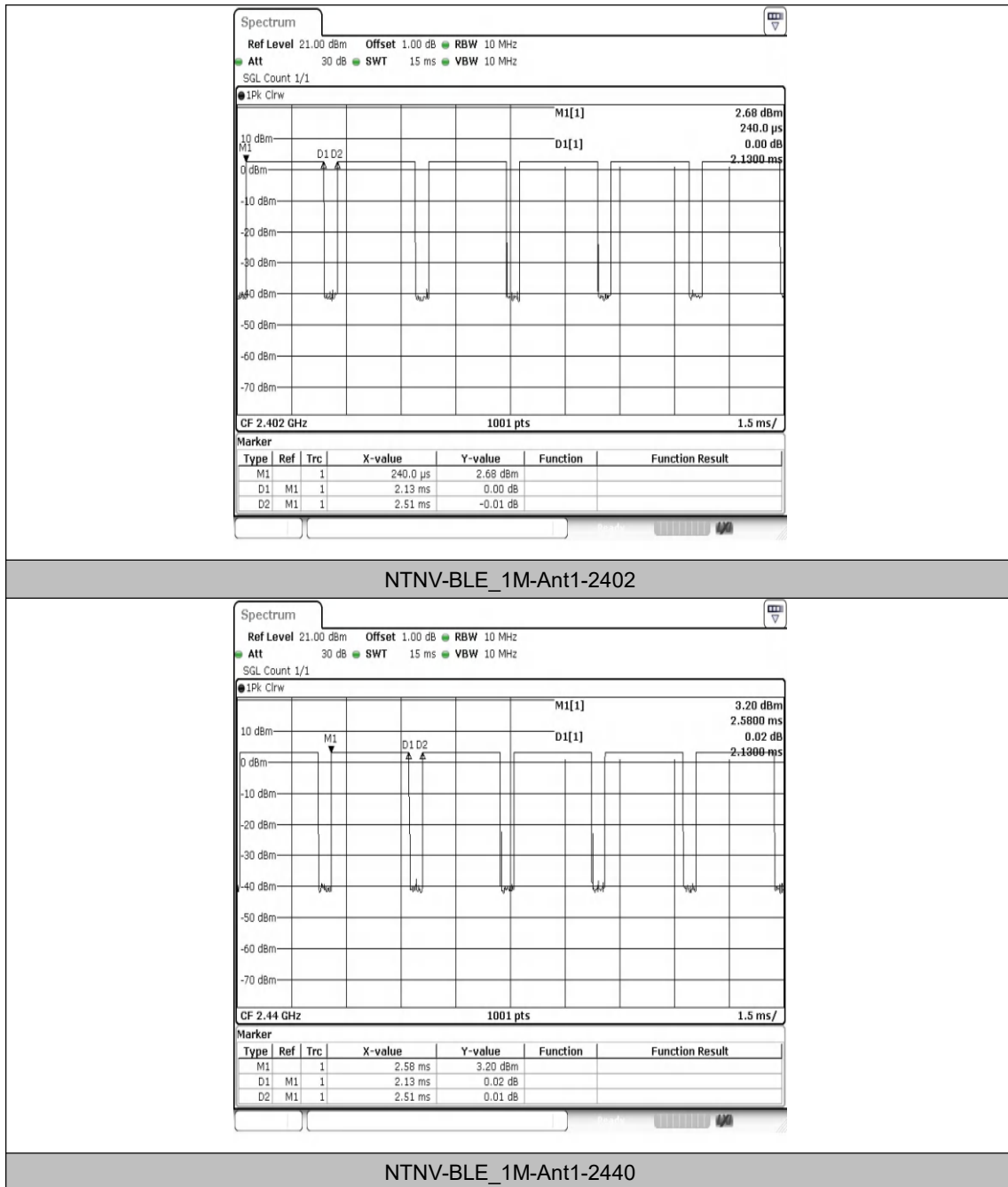
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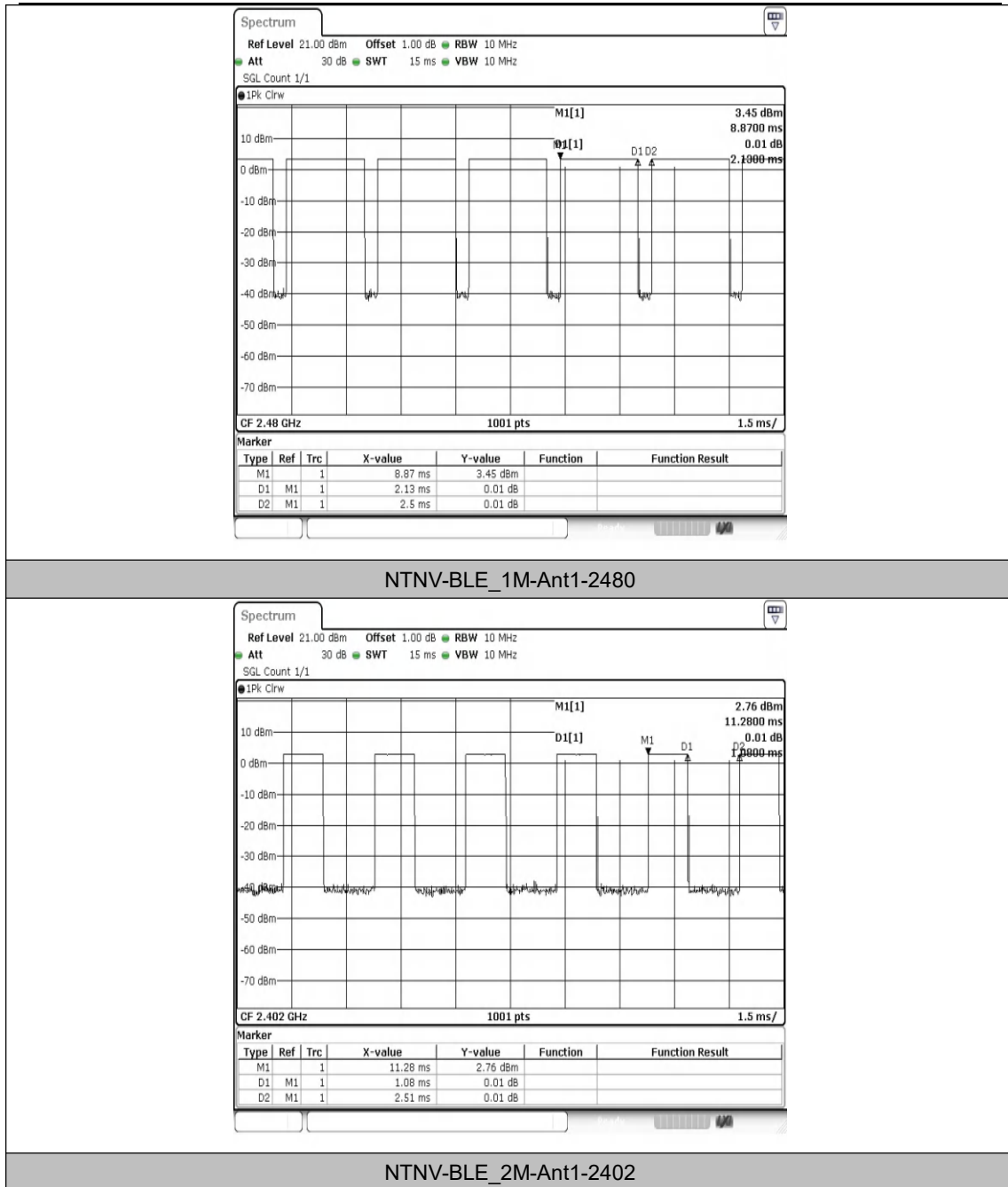
Appendix G: Duty Cycle

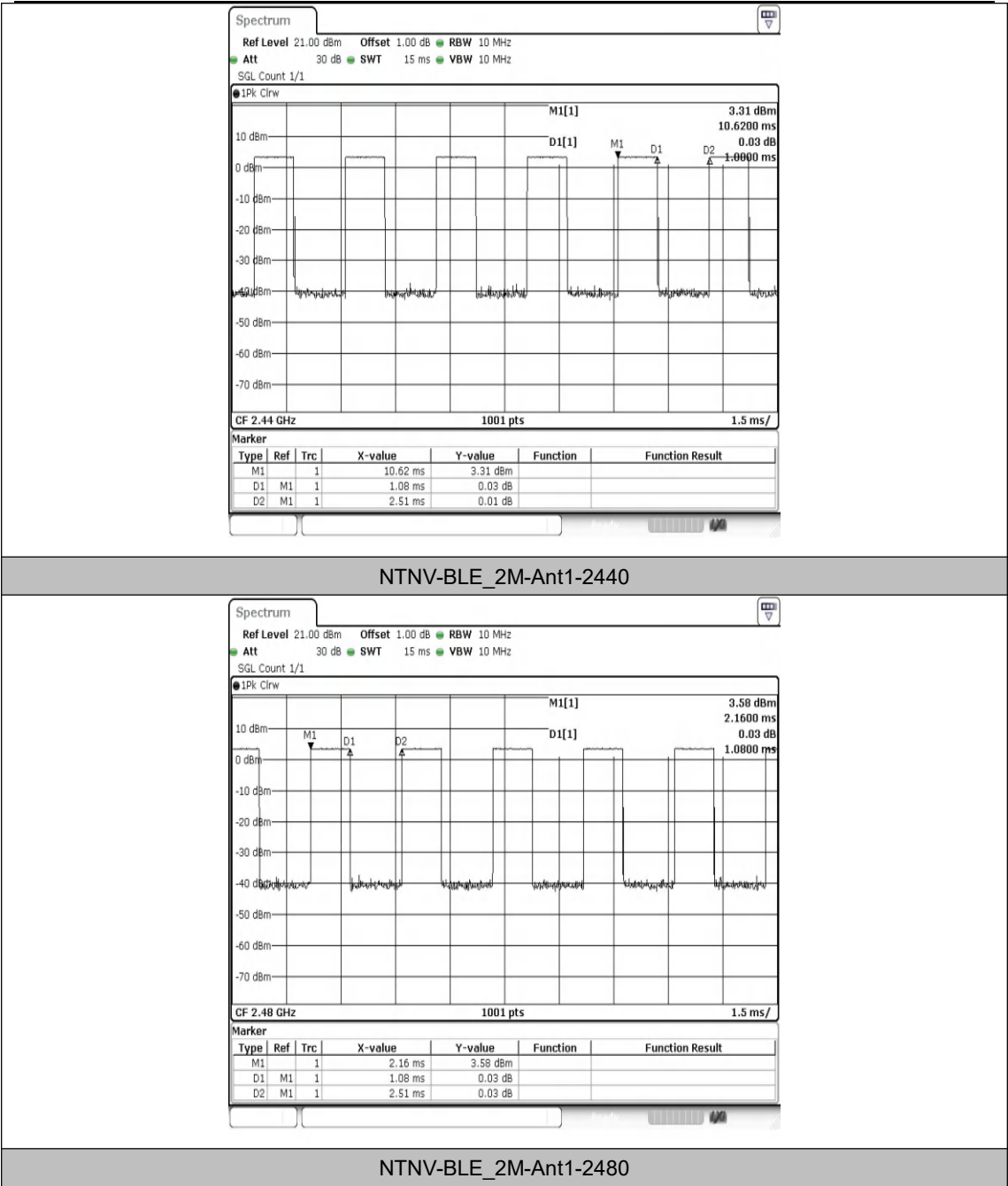
Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.51	84.86	0.71
BLE_1M	Ant1	2440	2.13	2.51	84.86	0.71
BLE_1M	Ant1	2480	2.13	2.50	85.20	0.70
BLE_2M	Ant1	2402	1.08	2.51	43.03	3.66
BLE_2M	Ant1	2440	1.08	2.51	43.03	3.66
BLE_2M	Ant1	2480	1.08	2.51	43.03	3.66

Test Graphs







---End---