

Appendix Test Data

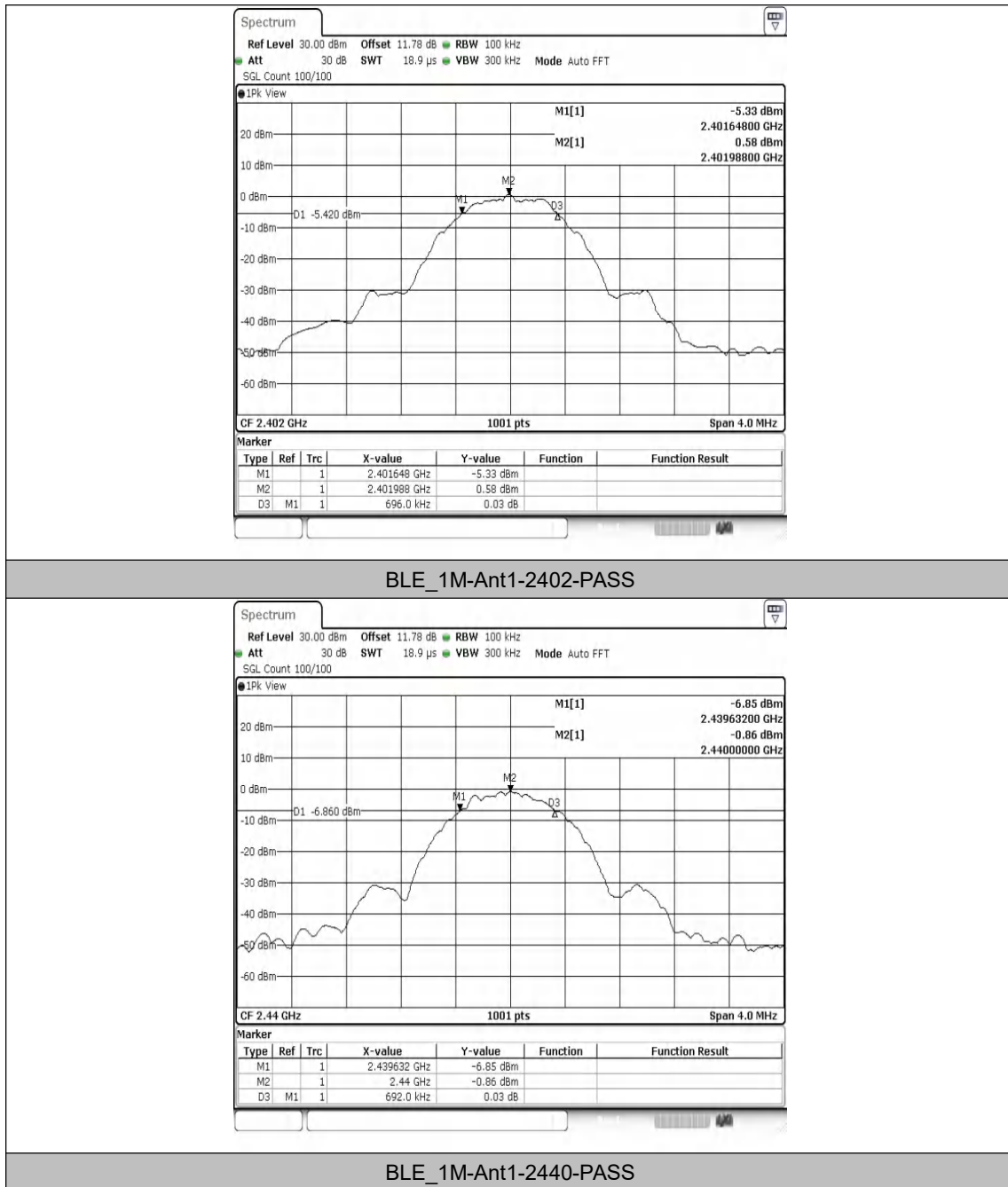
Report No.:	1814C40200012501	Test Sample No.:	1-2-2
Start Test Date:	2024.12.24	Finish Test Date:	2025.1.3
Test Engineer:	<i>Joker Huang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.9℃	Relative Humidity:	55%
Pressure:	101kPa		

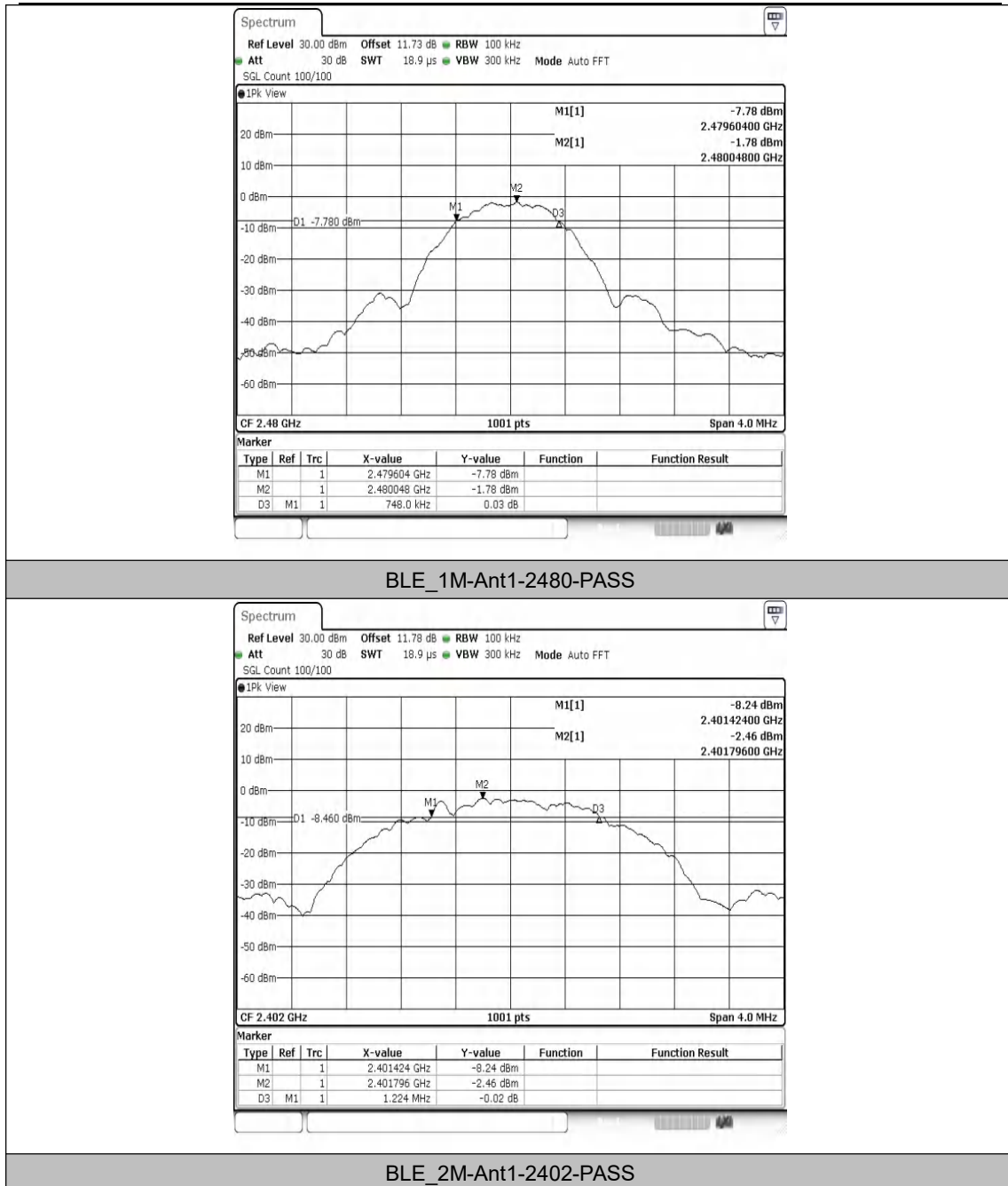
Appendix A: 6dB Bandwidth

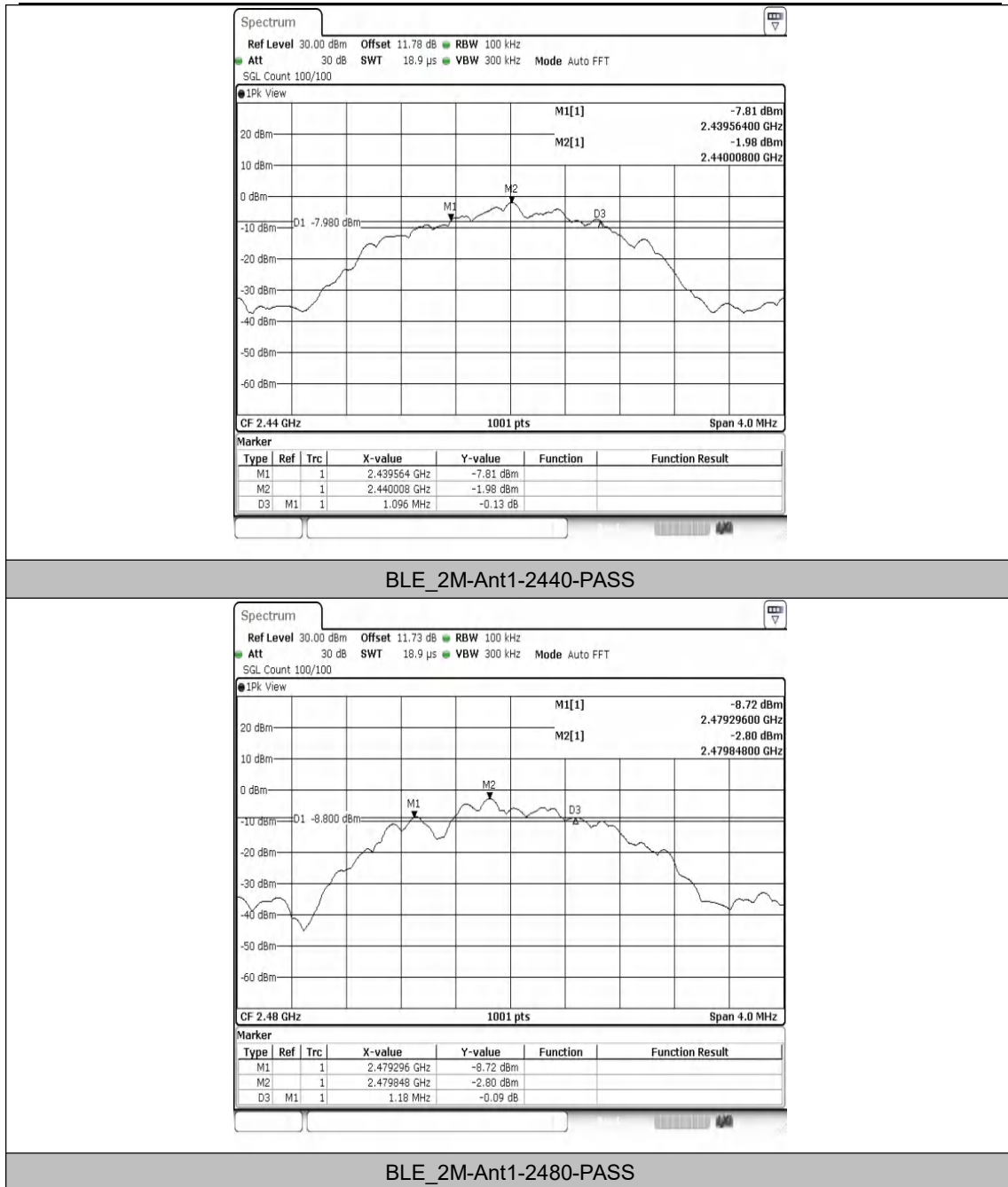
Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.70	2401.65	2402.34	0.5	PASS
BLE_1M	Ant1	2440	0.69	2439.63	2440.32	0.5	PASS
BLE_1M	Ant1	2480	0.75	2479.60	2480.35	0.5	PASS
BLE_2M	Ant1	2402	1.22	2401.42	2402.65	0.5	PASS
BLE_2M	Ant1	2440	1.10	2439.56	2440.66	0.5	PASS
BLE_2M	Ant1	2480	1.18	2479.30	2480.48	0.5	PASS

Test Graphs







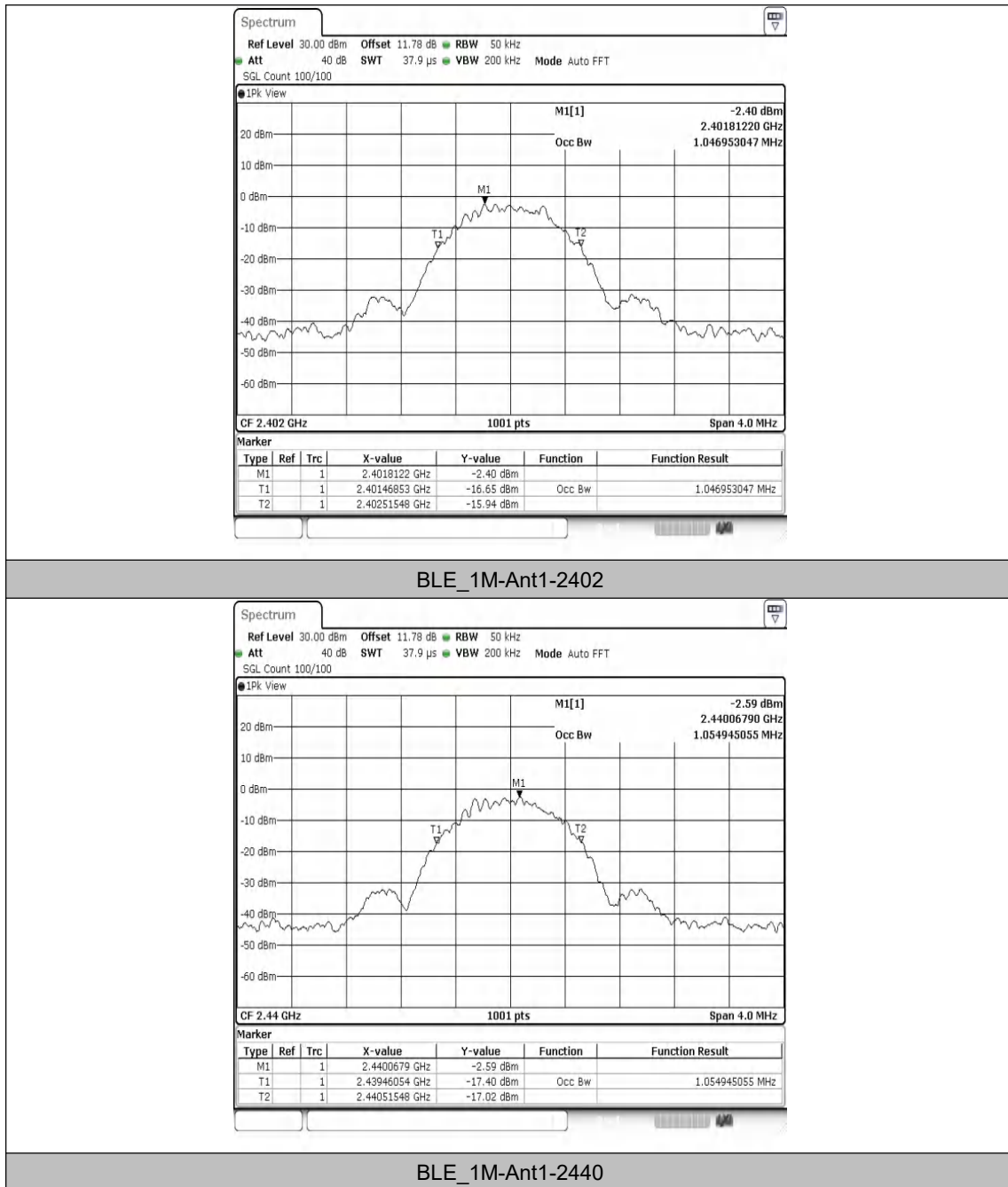
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.047	2401.4685	2402.5155	---	---
BLE_1M	Ant1	2440	1.055	2439.4605	2440.5155	---	---
BLE_1M	Ant1	2480	1.063	2479.4605	2480.5235	---	---
BLE_2M	Ant1	2402	2.09	2400.9650	2403.0549	---	---
BLE_2M	Ant1	2440	2.086	2438.9730	2441.0589	---	---
BLE_2M	Ant1	2480	2.086	2478.9570	2481.0430	---	---



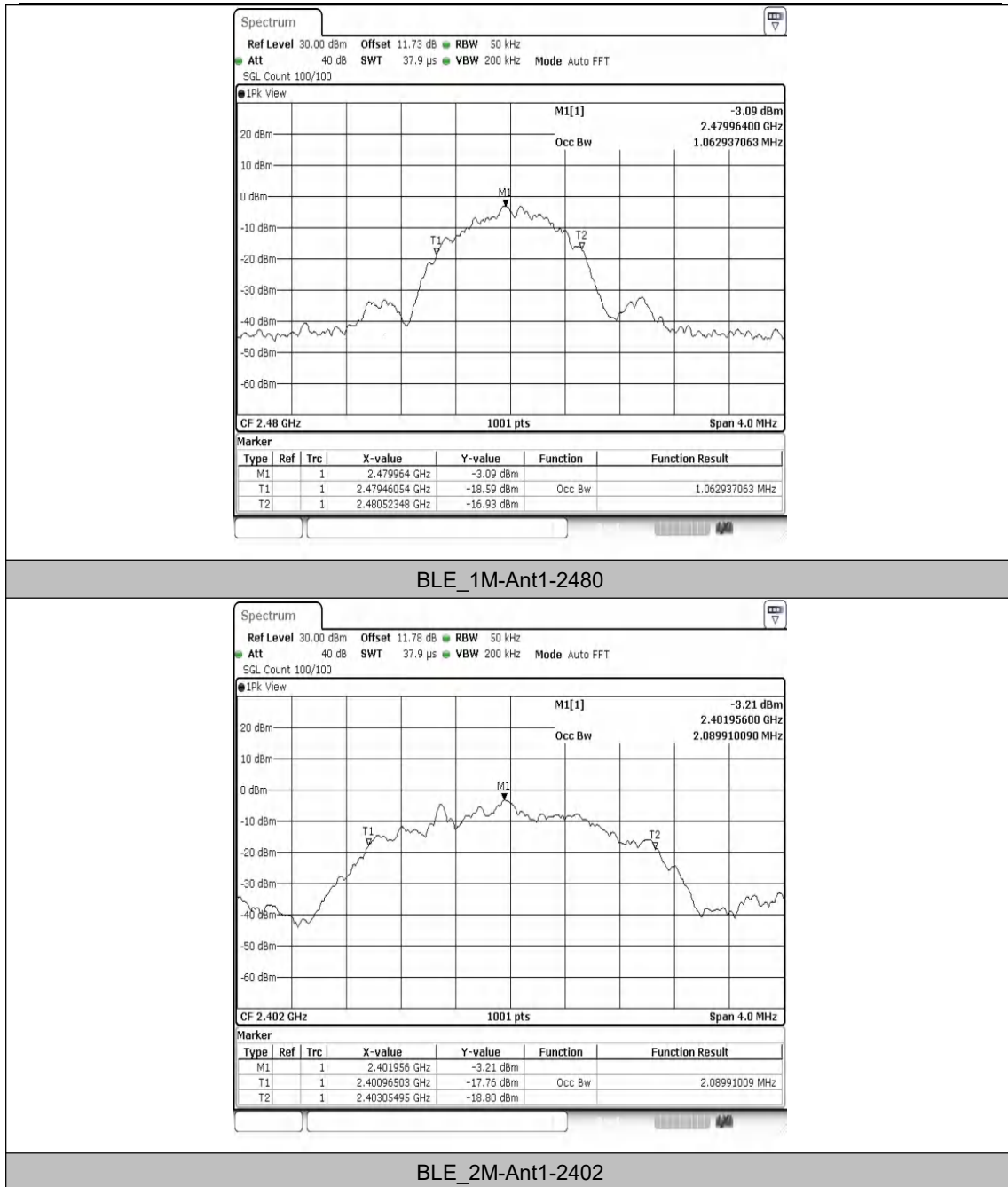
Test Graphs

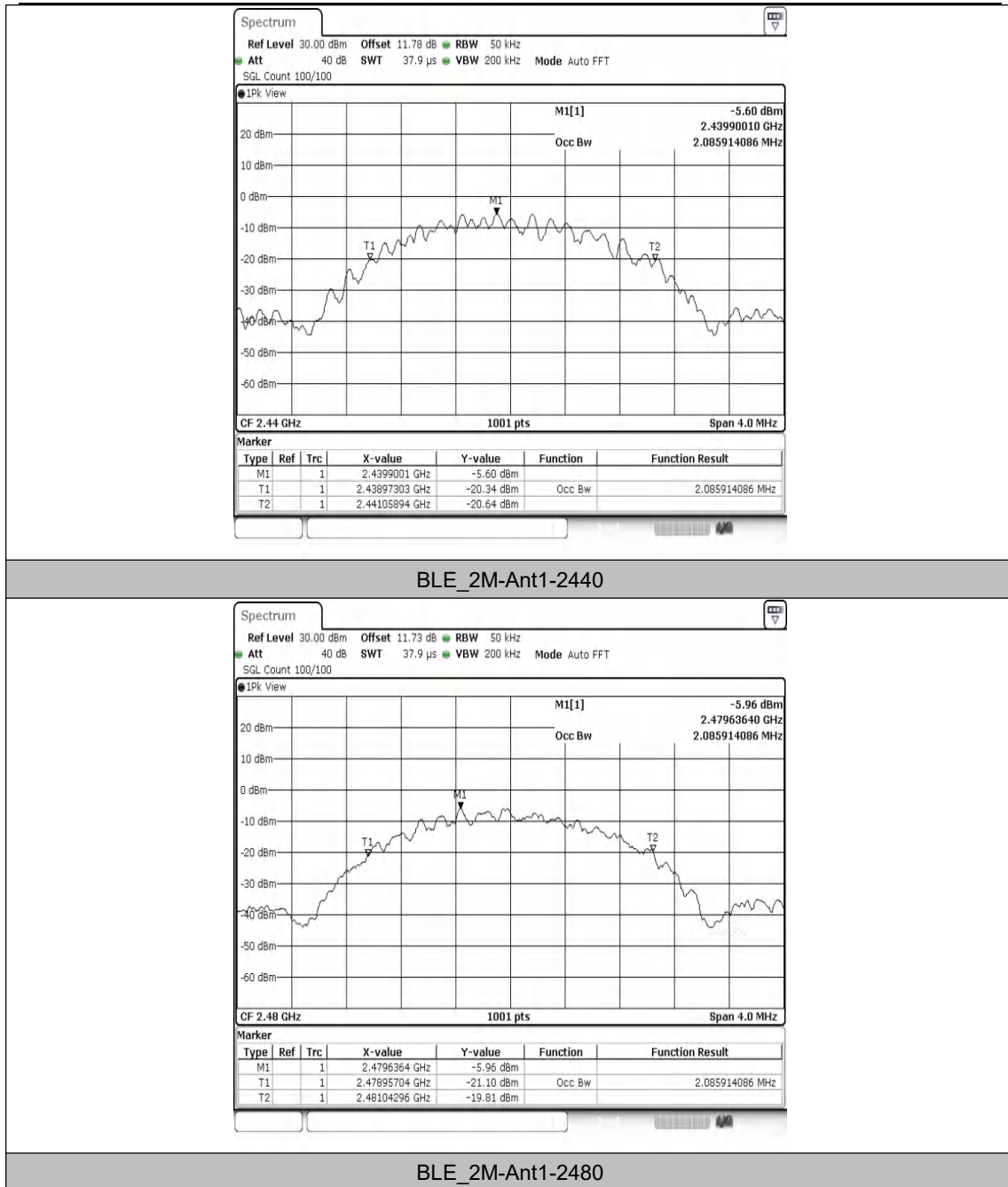


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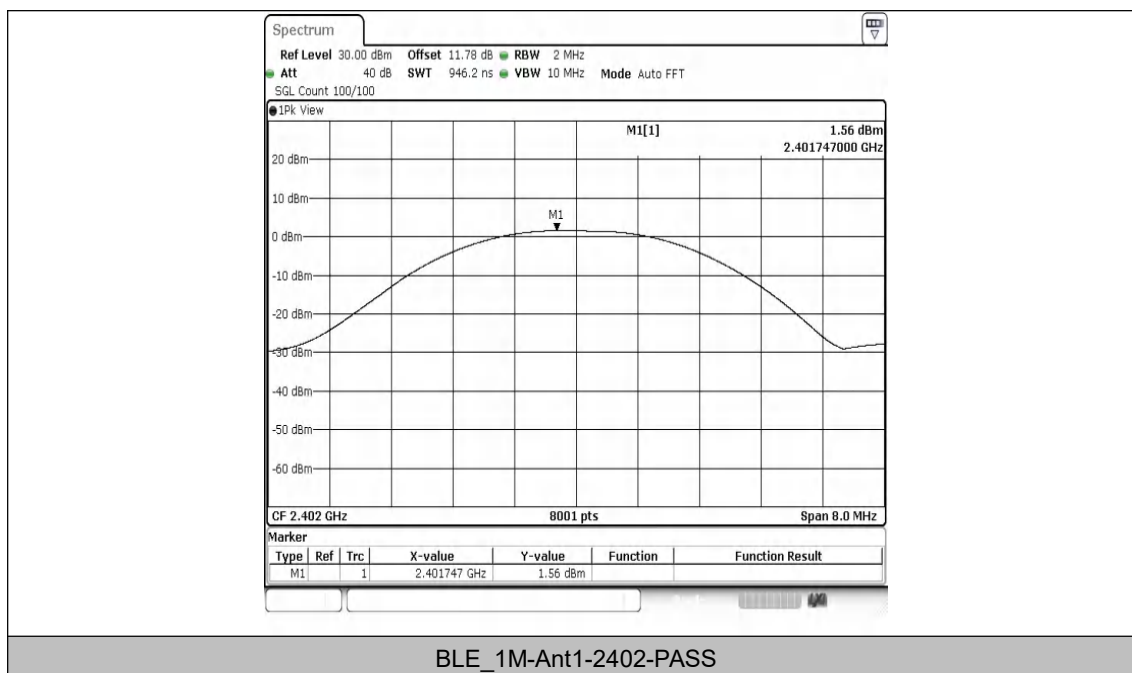
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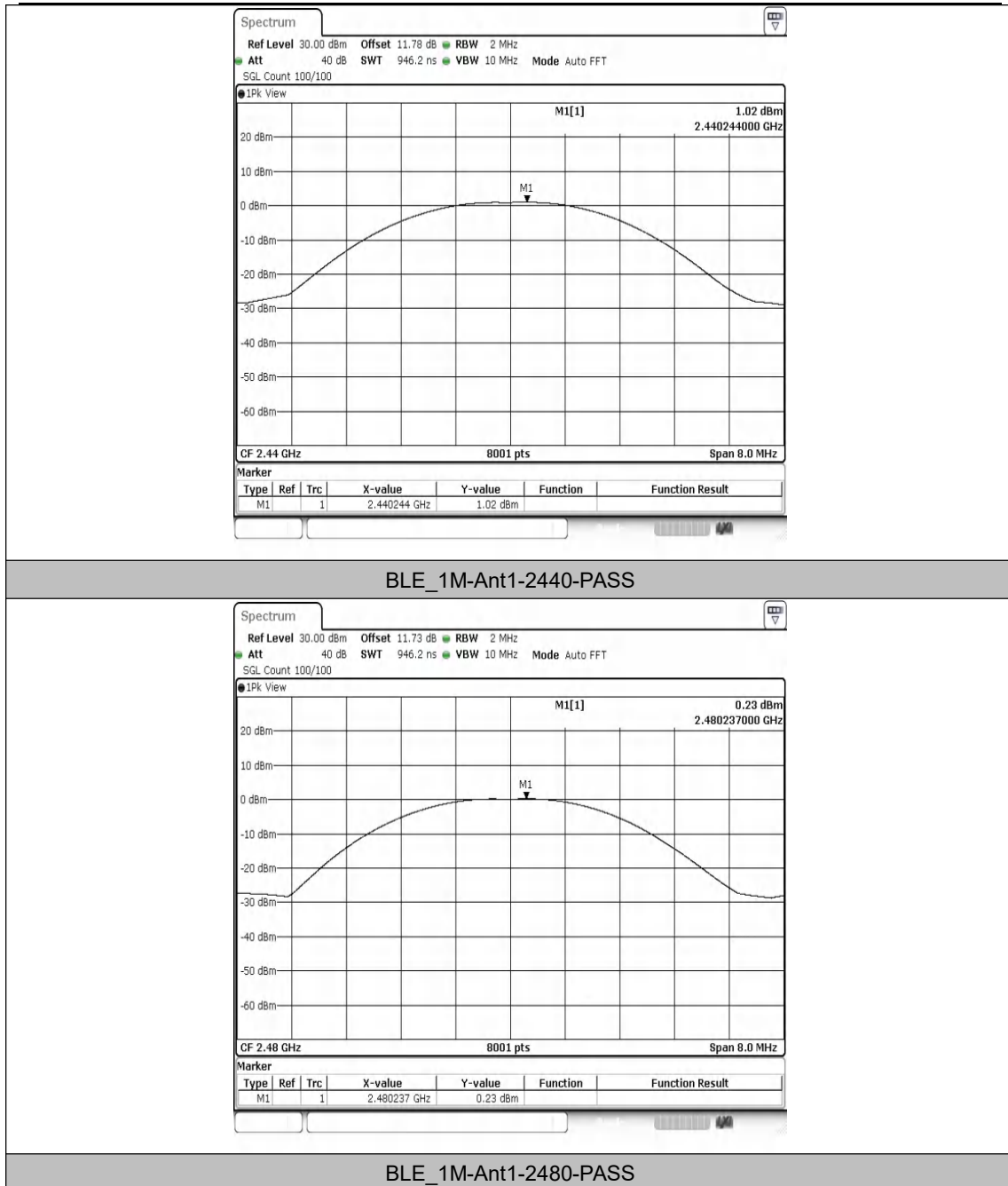
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.56	≤30	PASS
BLE_1M	Ant1	2440	1.02	≤30	PASS
BLE_1M	Ant1	2480	0.23	≤30	PASS
BLE_2M	Ant1	2402	1.45	≤30	PASS
BLE_2M	Ant1	2440	0.92	≤30	PASS
BLE_2M	Ant1	2480	0.26	≤30	PASS

Test Graphs Peak

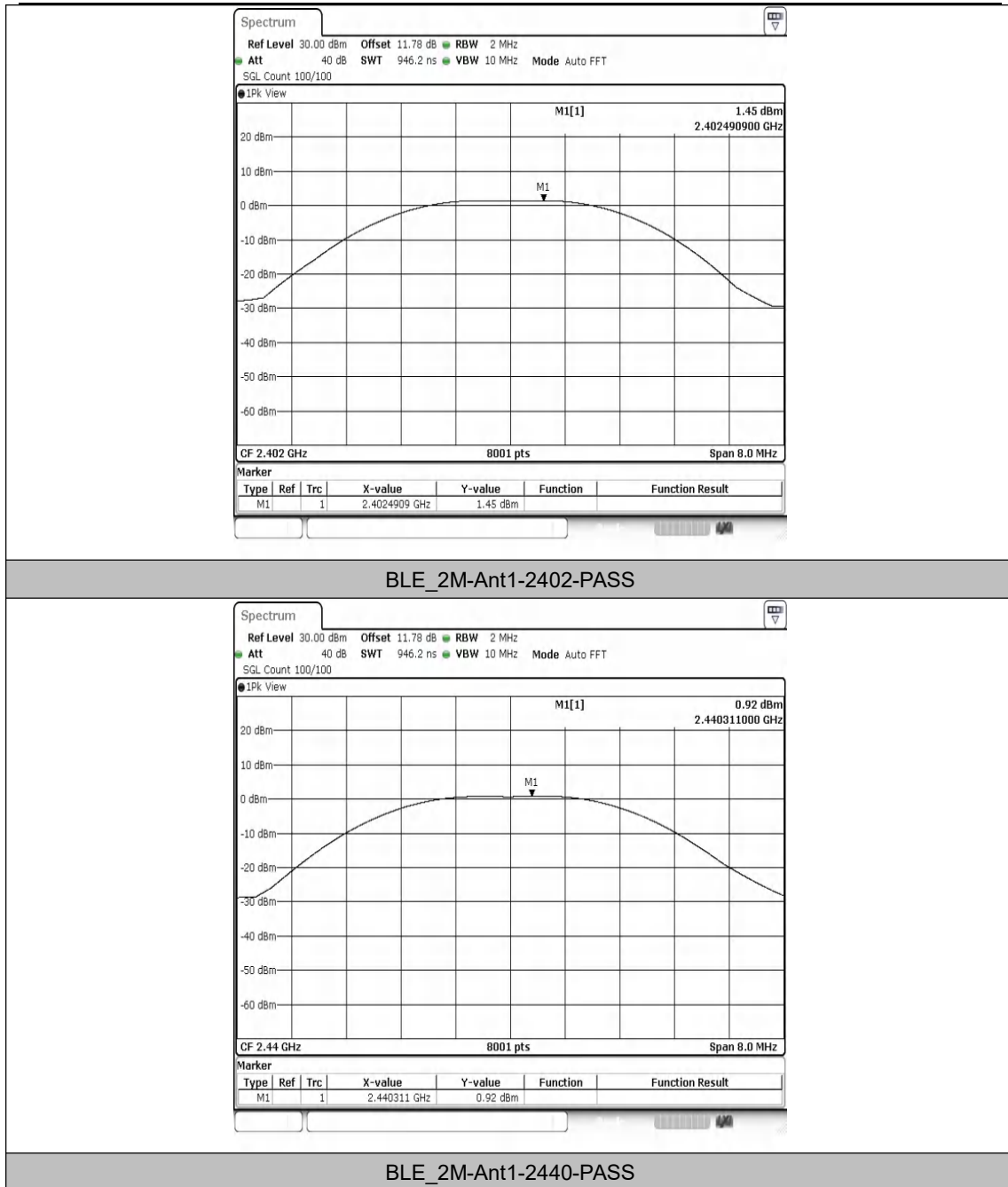




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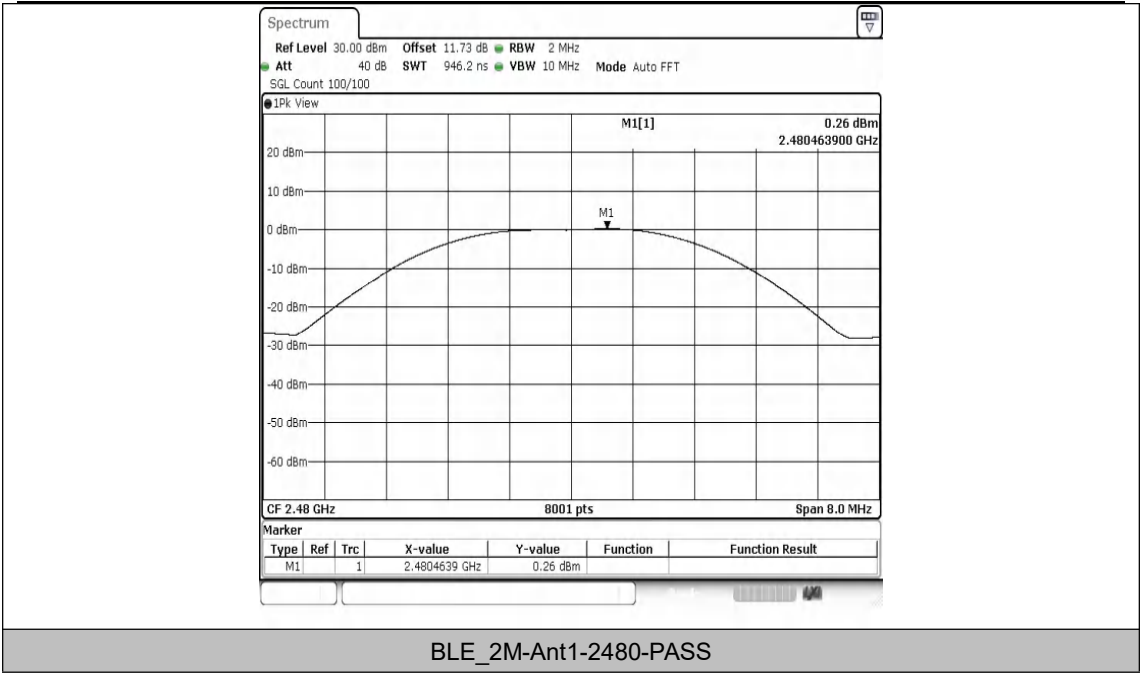
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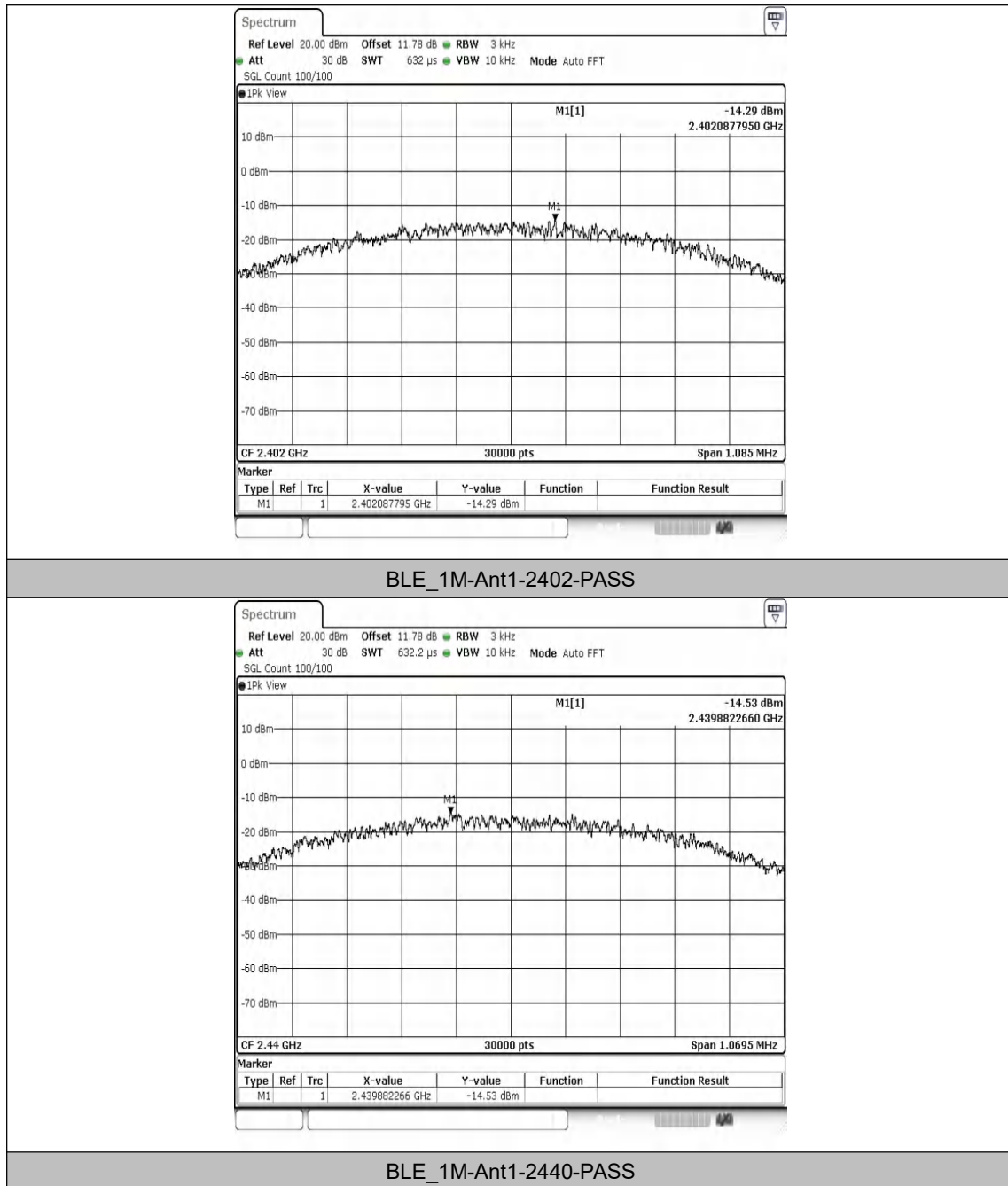
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.29	≤8.00	PASS
BLE_1M	Ant1	2440	-14.53	≤8.00	PASS
BLE_1M	Ant1	2480	-15.31	≤8.00	PASS
BLE_2M	Ant1	2402	-16.94	≤8.00	PASS
BLE_2M	Ant1	2440	-17.95	≤8.00	PASS
BLE_2M	Ant1	2480	-18.94	≤8.00	PASS

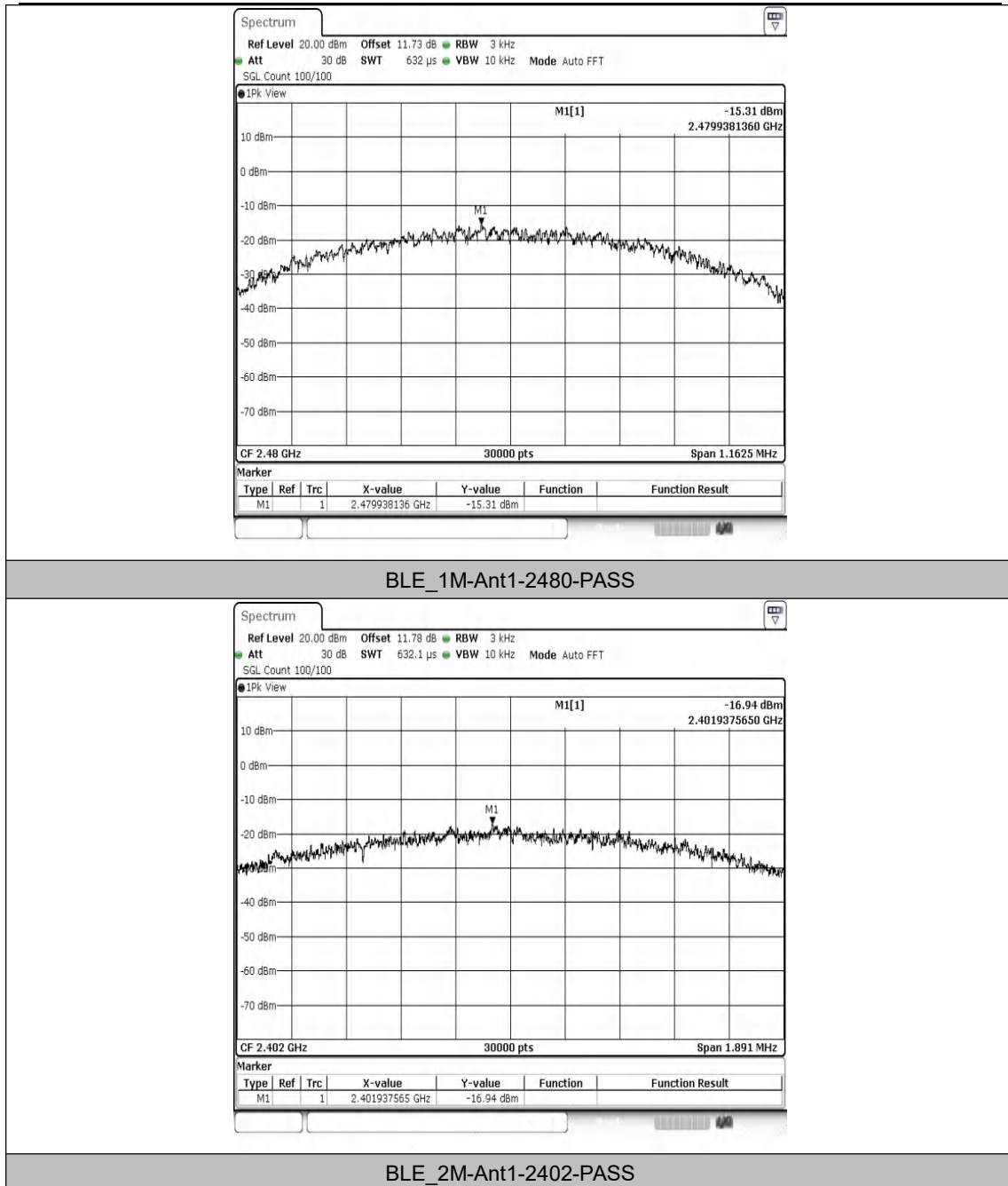
Test Graphs



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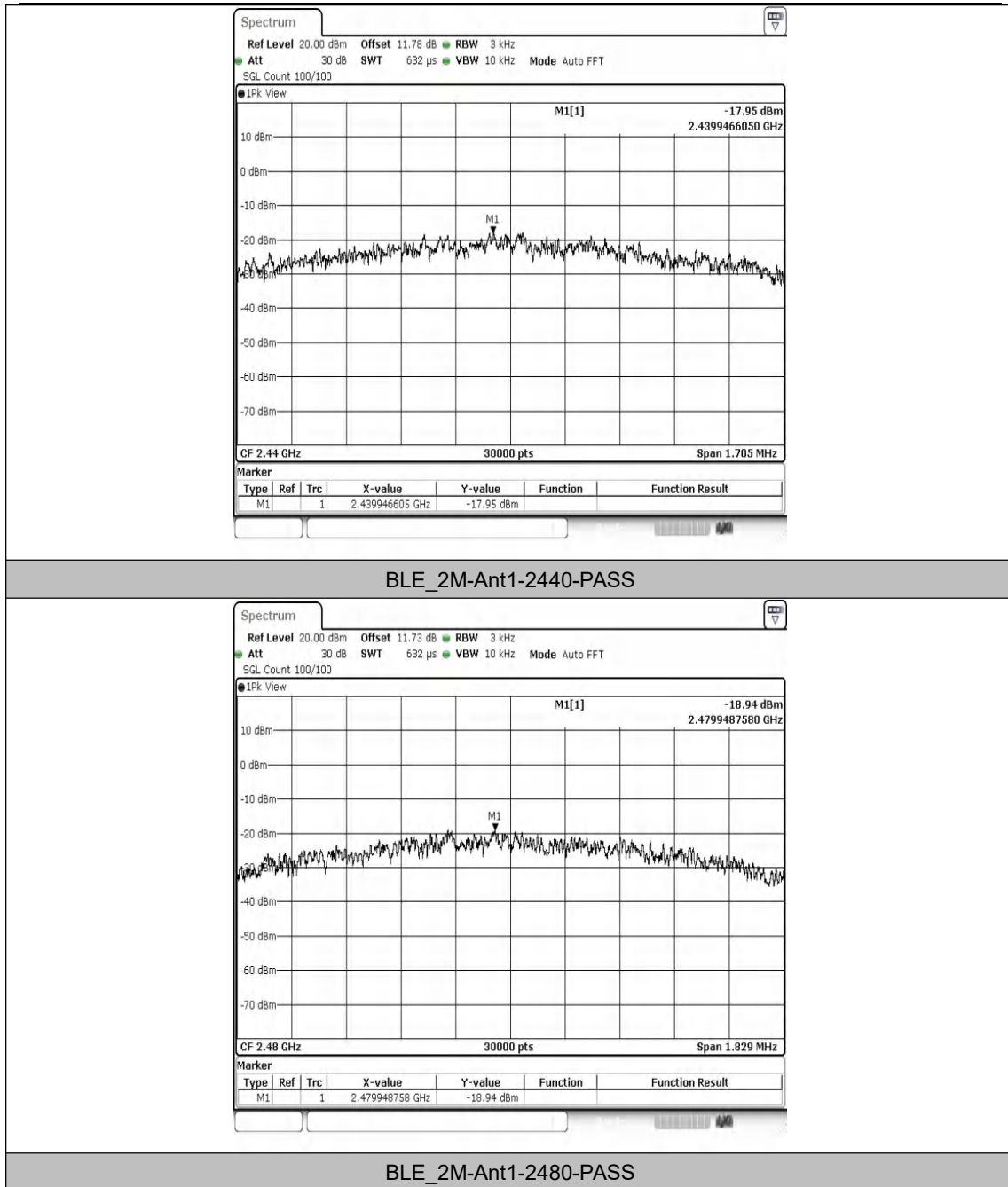
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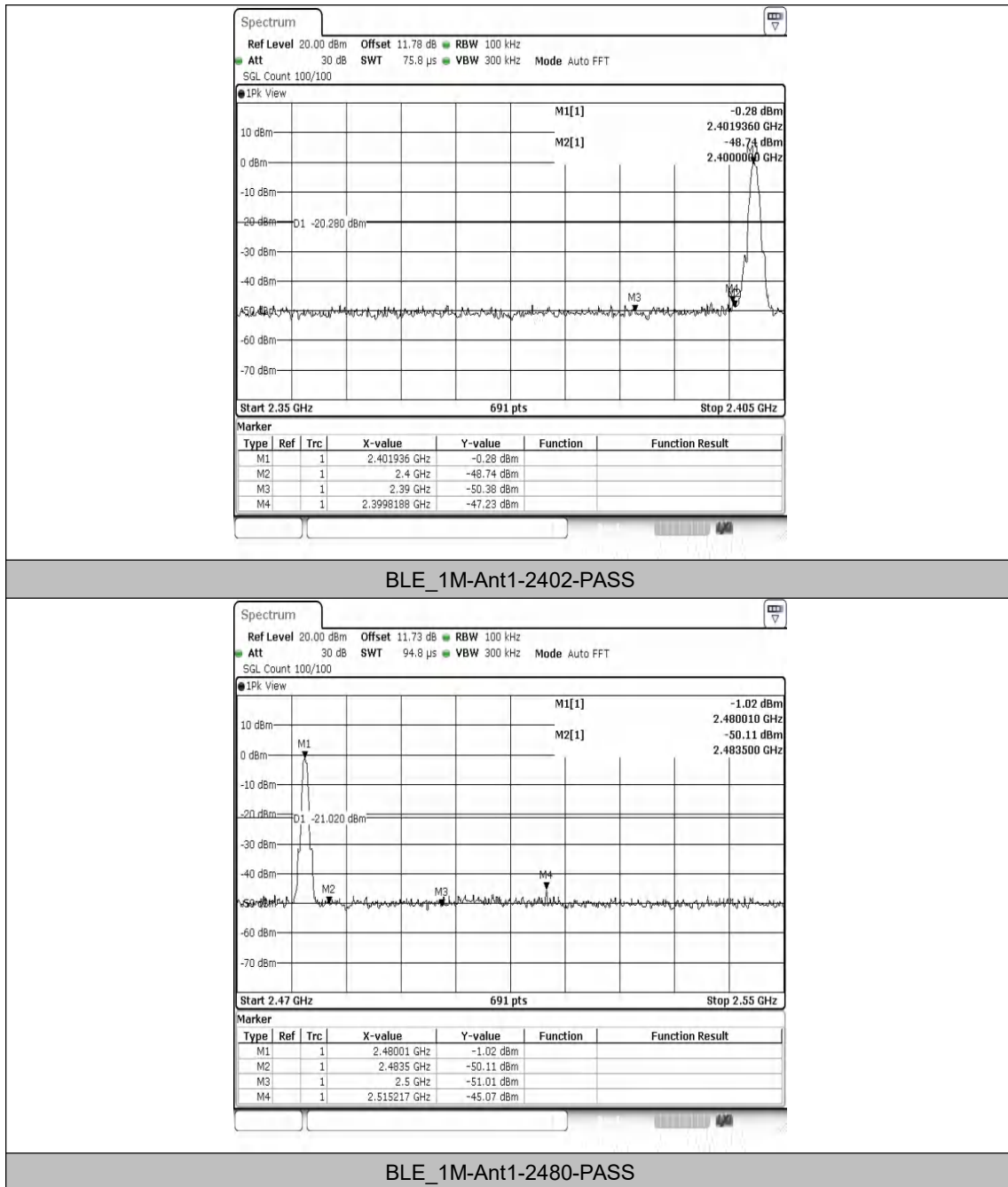
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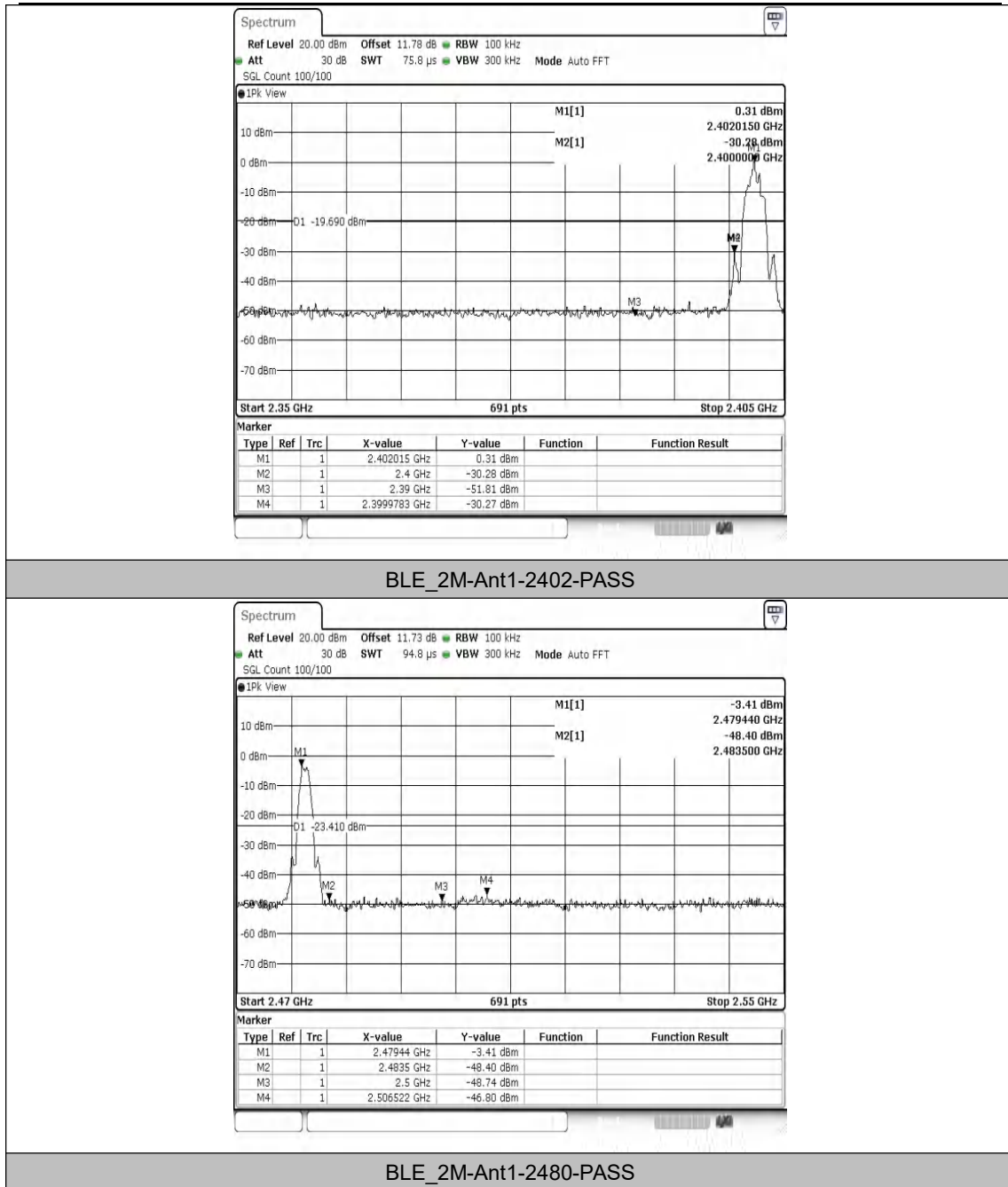
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.28	-47.23	≤-20.28	PASS
BLE_1M	Ant1	High	2480	-1.02	-45.07	≤-21.02	PASS
BLE_2M	Ant1	Low	2402	0.31	-30.27	≤-19.69	PASS
BLE_2M	Ant1	High	2480	-3.41	-46.8	≤-23.41	PASS

Test Graphs





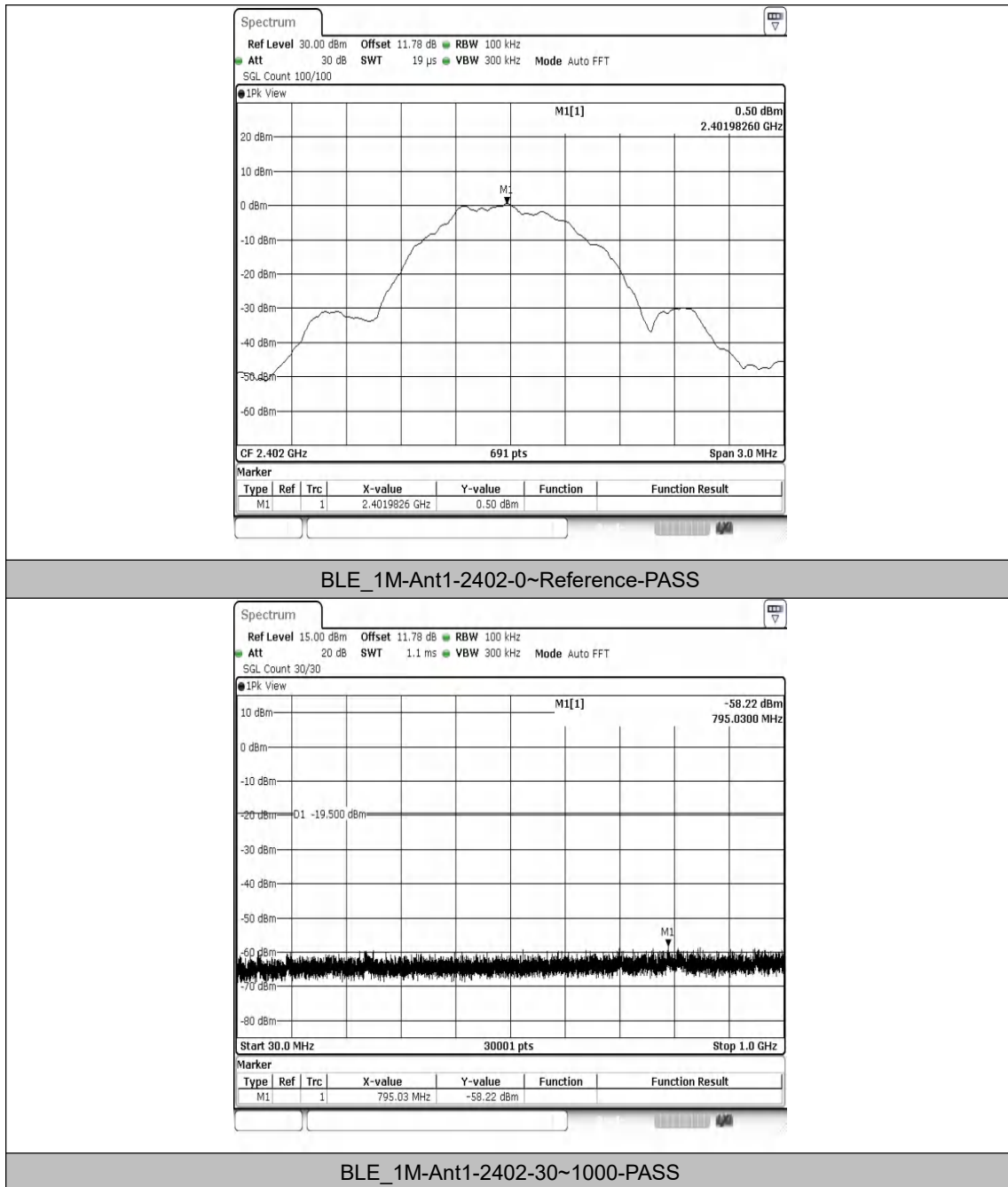
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	0.50	0.50	---	PASS
BLE_1M	Ant1	2402	30~1000	0.50	-58.22	≤-19.5	PASS
BLE_1M	Ant1	2402	1000~26500	0.50	-43.33	≤-19.5	PASS
BLE_1M	Ant1	2440	0~Reference	-0.82	-0.82	---	PASS
BLE_1M	Ant1	2440	30~1000	-0.82	-57.66	≤-20.82	PASS
BLE_1M	Ant1	2440	1000~26500	-0.82	-44.43	≤-20.82	PASS
BLE_1M	Ant1	2480	0~Reference	-1.89	-1.89	---	PASS
BLE_1M	Ant1	2480	30~1000	-1.89	-57.71	≤-21.89	PASS
BLE_1M	Ant1	2480	1000~26500	-1.89	-42.27	≤-21.89	PASS
BLE_2M	Ant1	2402	0~Reference	-0.57	-0.57	---	PASS
BLE_2M	Ant1	2402	30~1000	-0.57	-57.69	≤-20.57	PASS
BLE_2M	Ant1	2402	1000~26500	-0.57	-44.44	≤-20.57	PASS
BLE_2M	Ant1	2440	0~Reference	-0.84	-0.84	---	PASS
BLE_2M	Ant1	2440	30~1000	-0.84	-57.88	≤-20.84	PASS
BLE_2M	Ant1	2440	1000~26500	-0.84	-43.96	≤-20.84	PASS
BLE_2M	Ant1	2480	0~Reference	-1.87	-1.87	---	PASS
BLE_2M	Ant1	2480	30~1000	-1.87	-58.03	≤-21.87	PASS
BLE_2M	Ant1	2480	1000~26500	-1.87	-43.52	≤-21.87	PASS



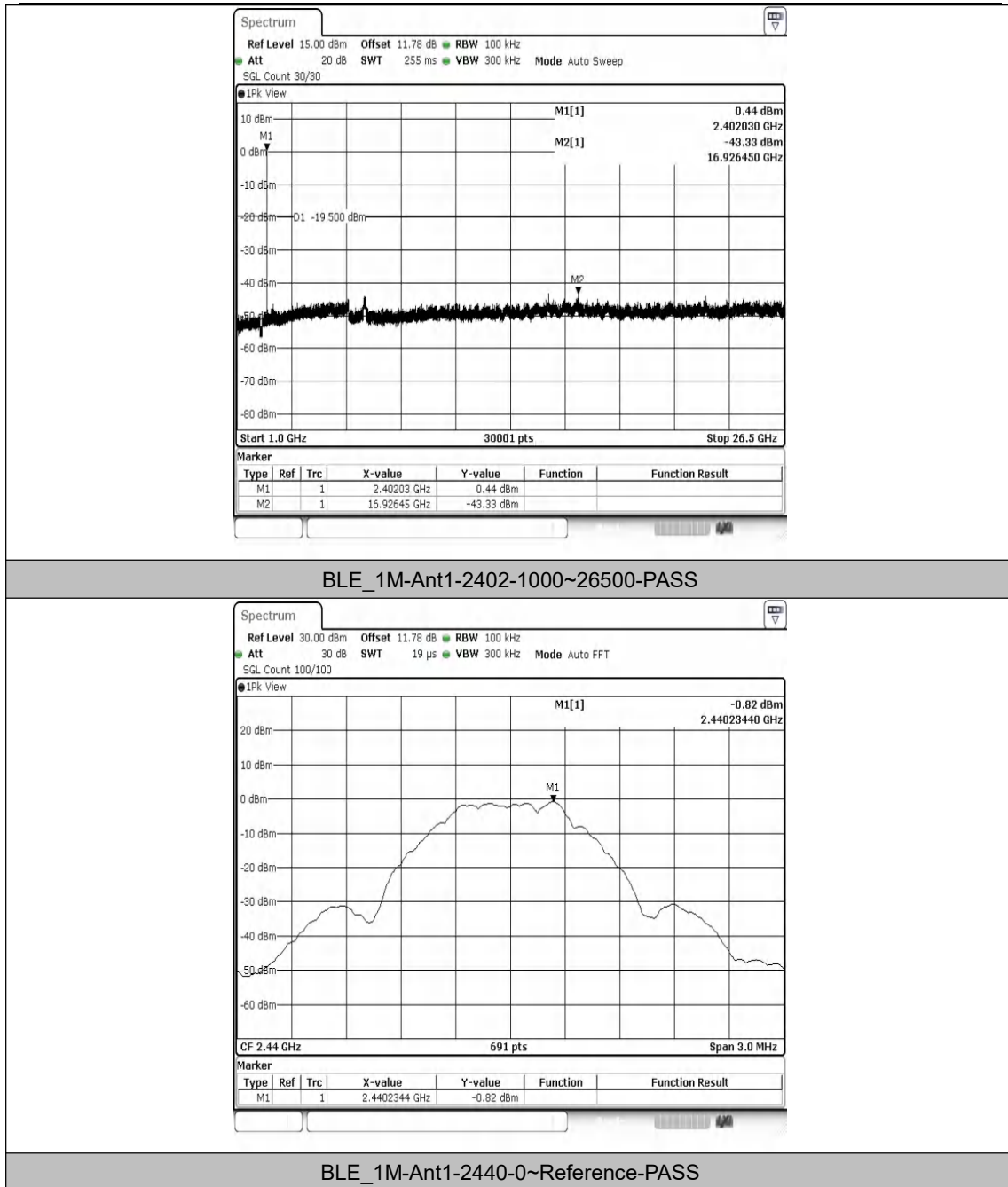
Test Graphs



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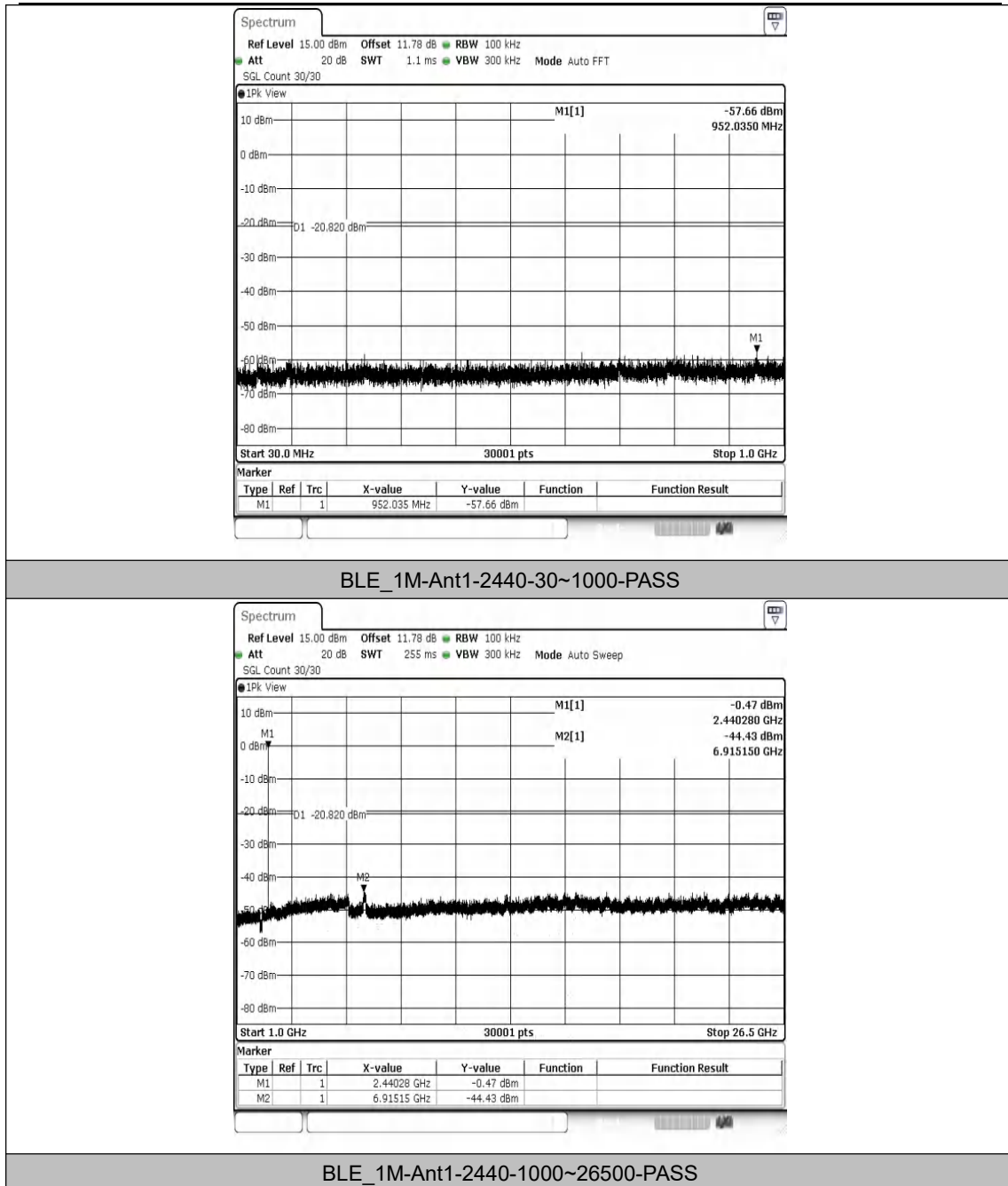
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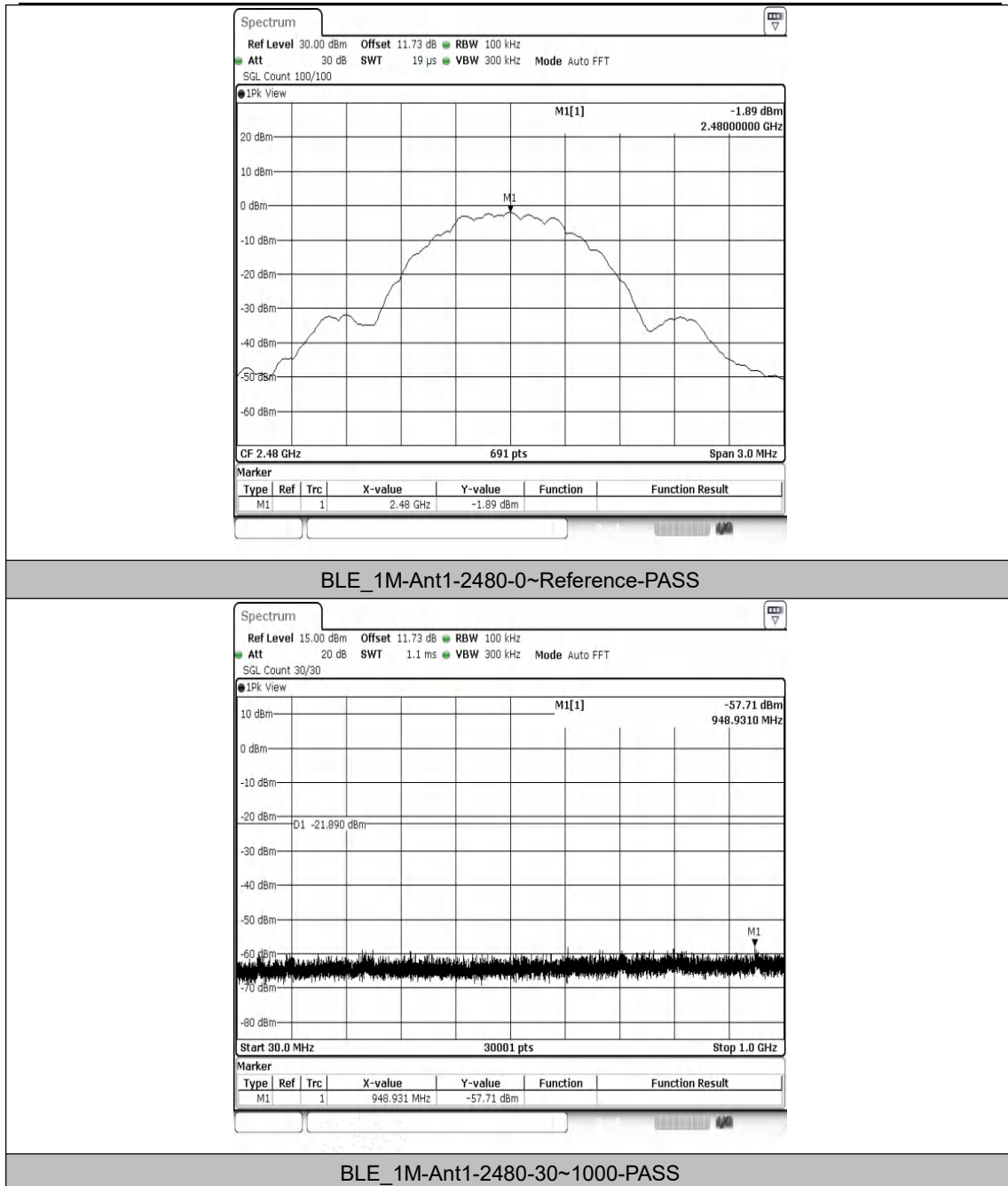
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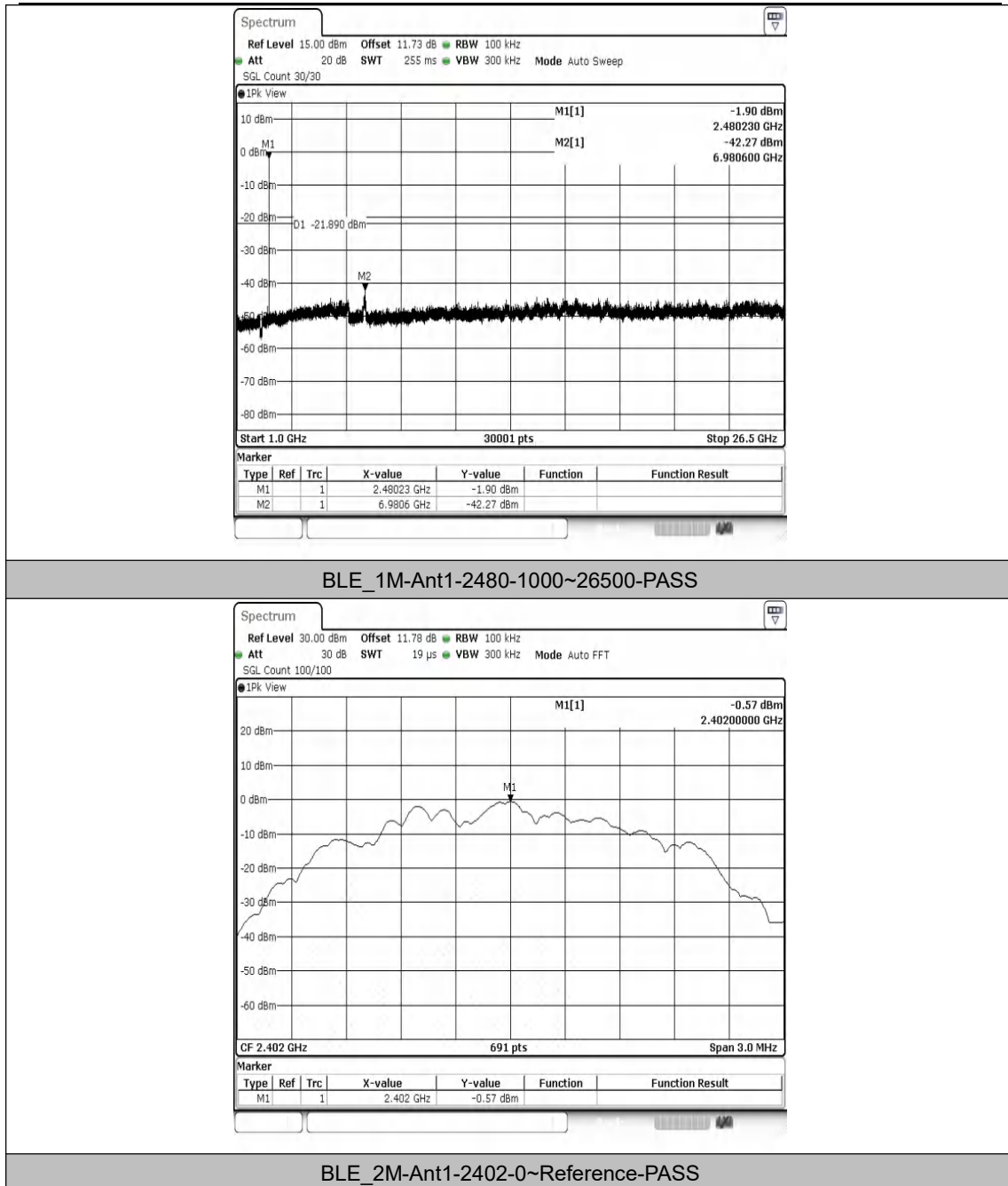
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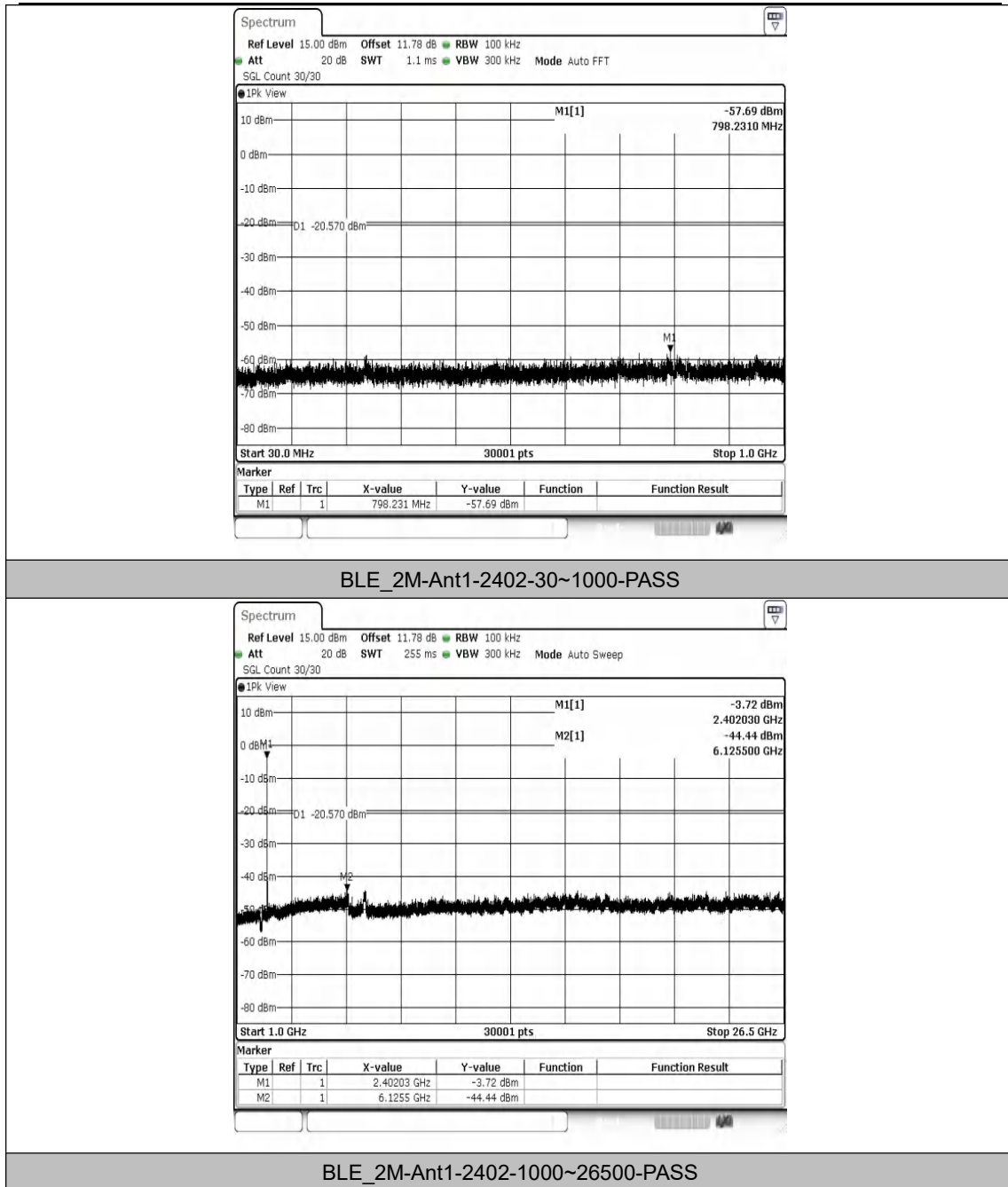
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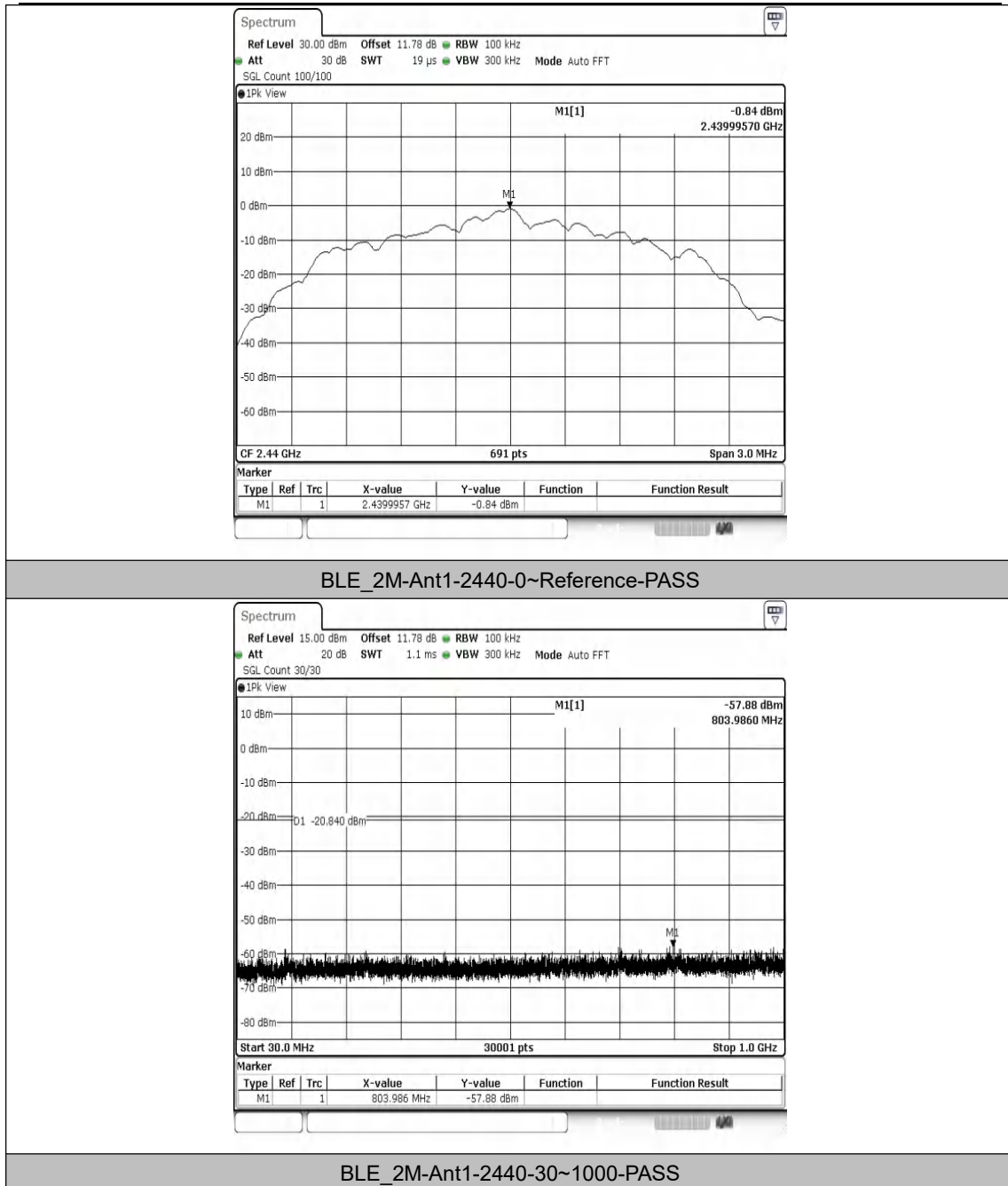
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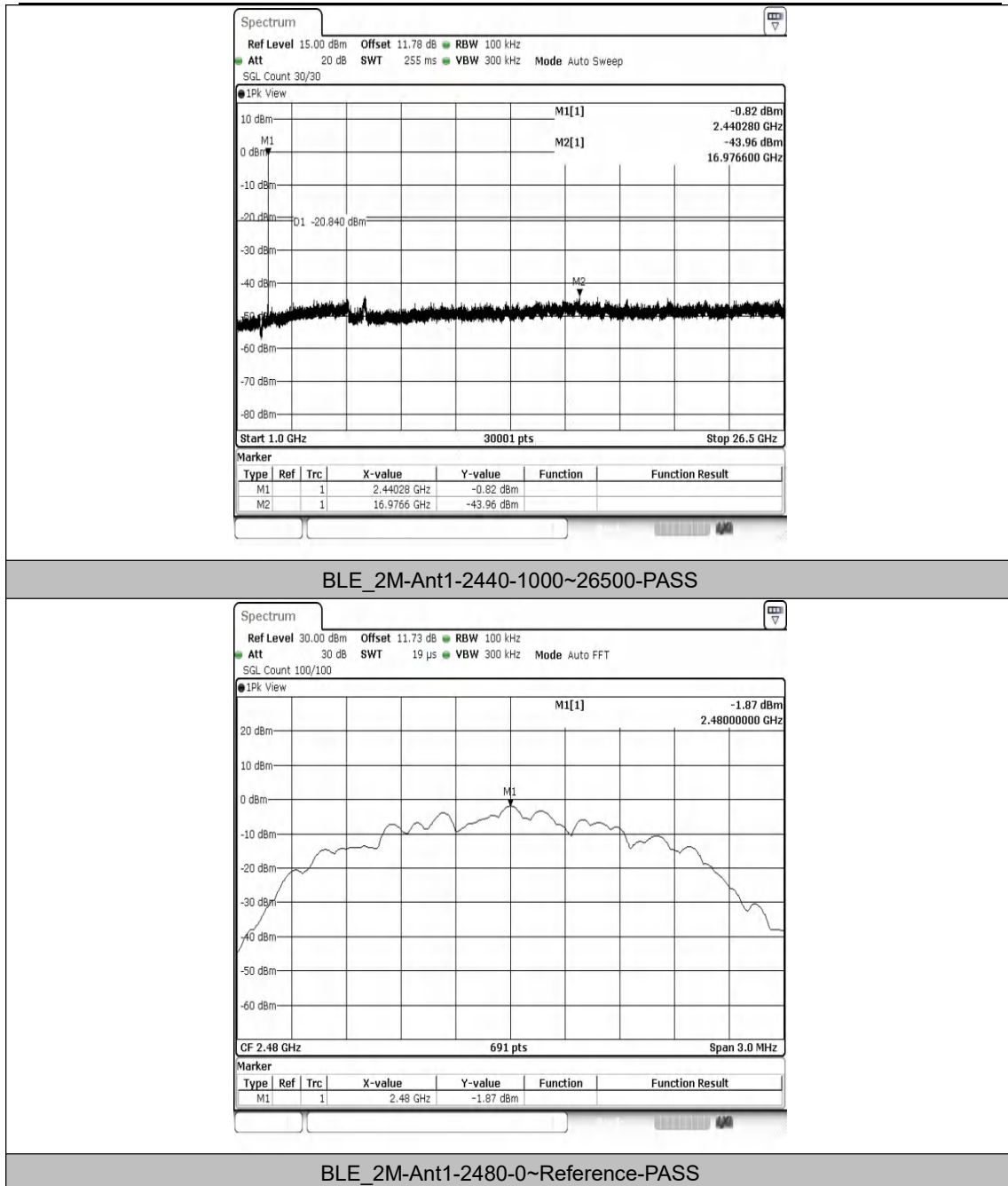




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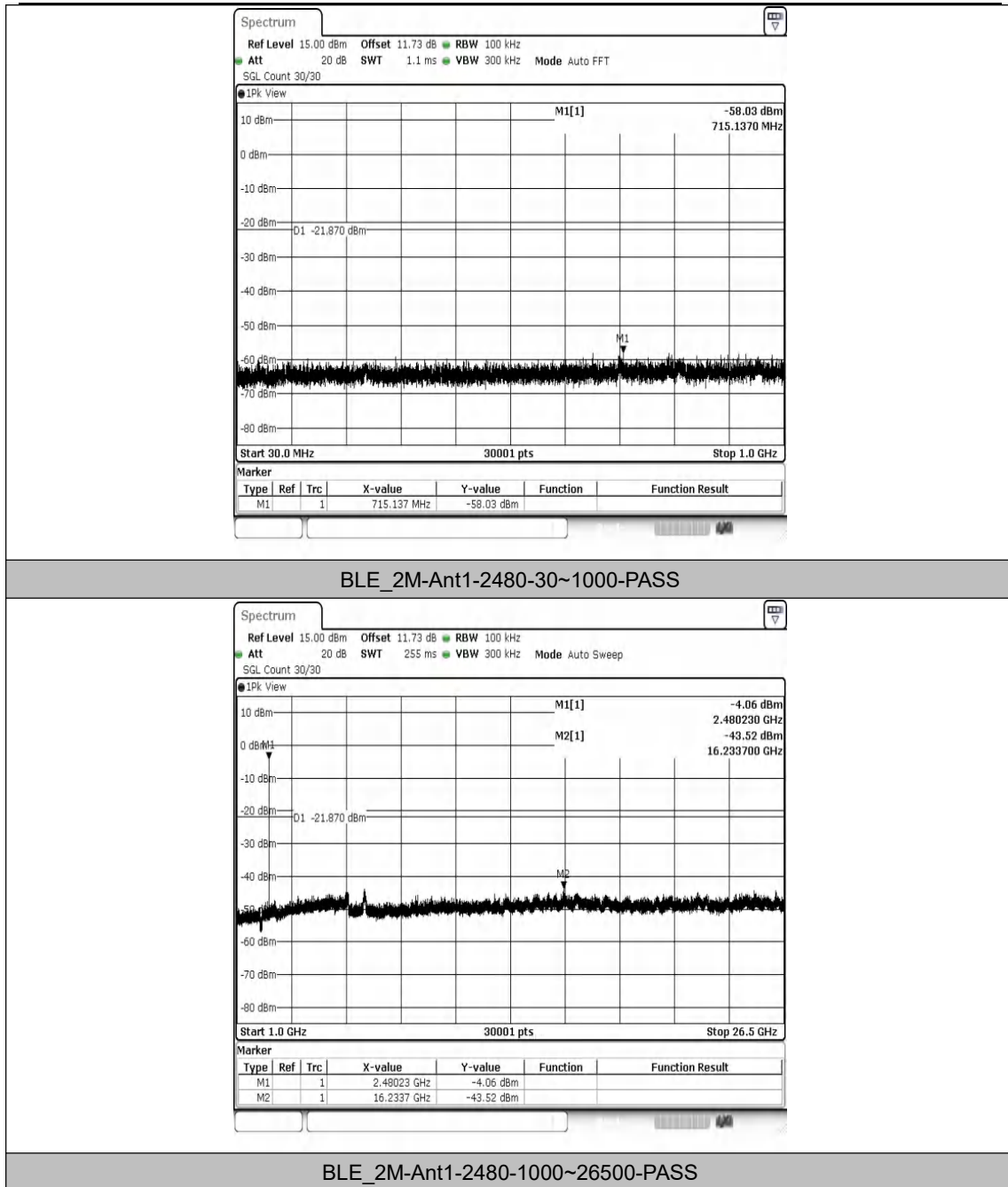
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.38	1.00	38.00	4.20
BLE_1M	Ant1	2440	0.38	1.00	38.00	4.20
BLE_1M	Ant1	2480	0.38	1.00	38.00	4.20
BLE_2M	Ant1	2402	0.19	1.00	19.00	7.21
BLE_2M	Ant1	2440	0.19	1.00	19.00	7.21
BLE_2M	Ant1	2480	0.19	1.00	19.00	7.21

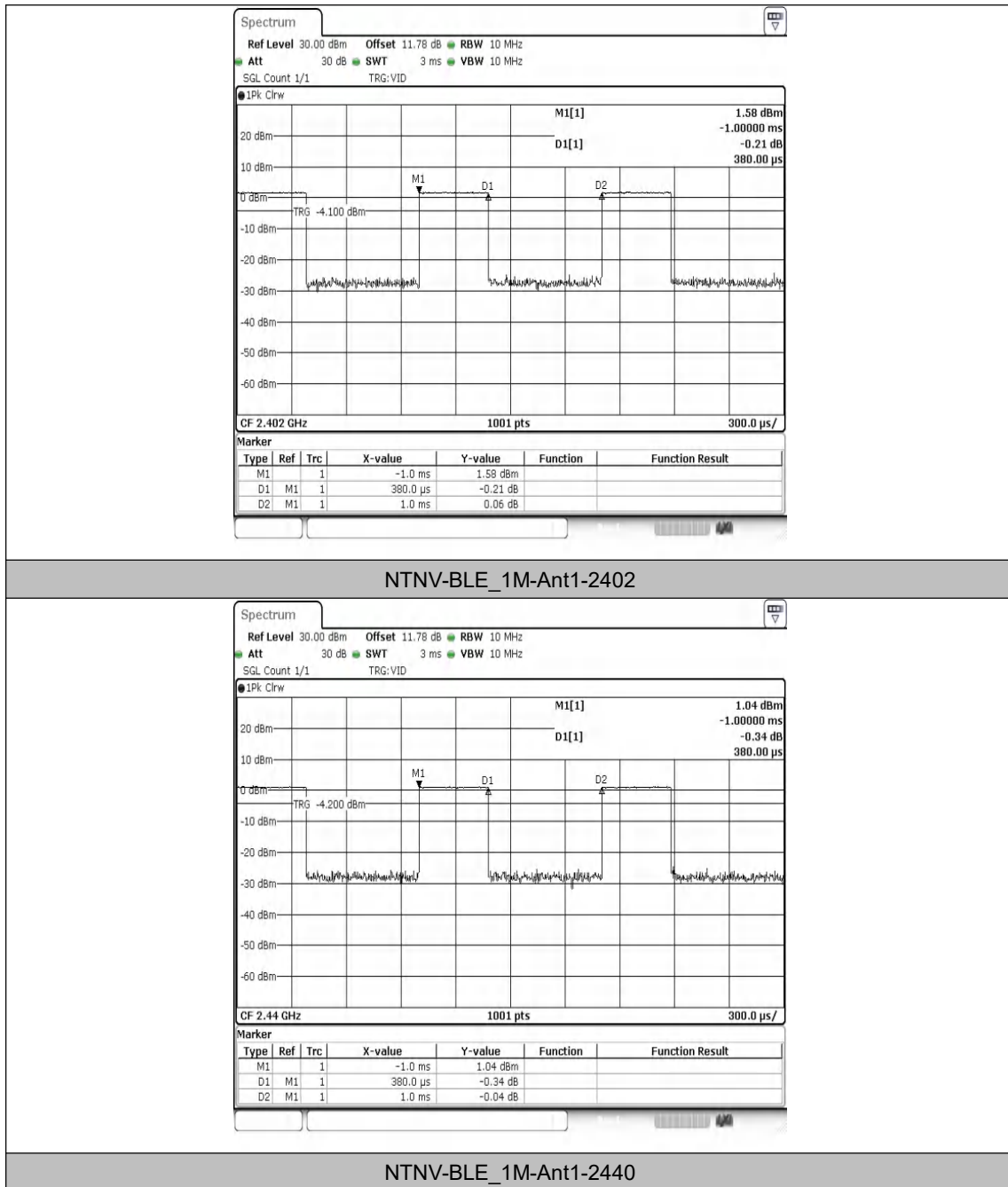
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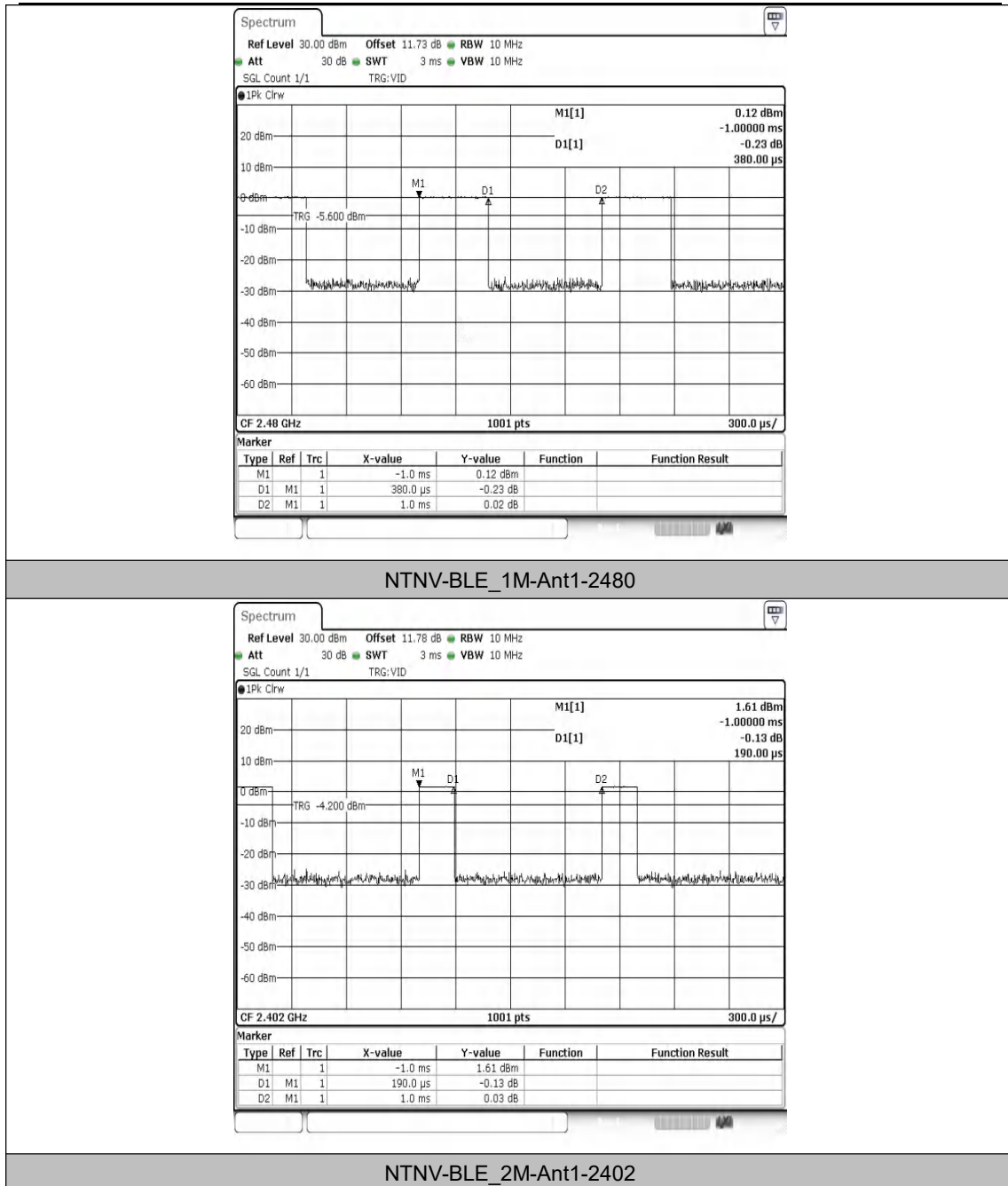
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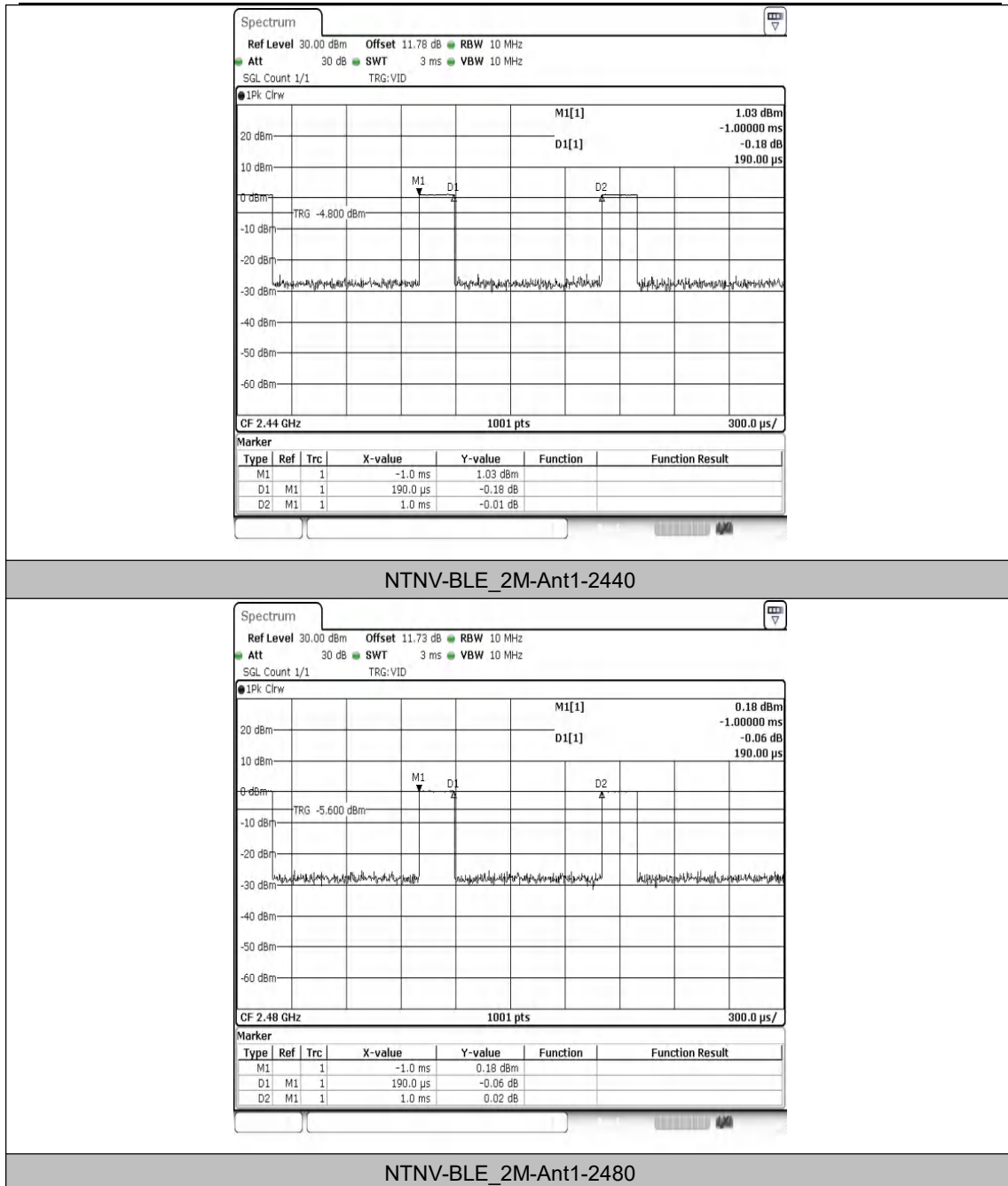


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Test Graphs







---End---