

Appendix Test Data

Report No:	1812C40114912502	Test Sample NO:	1-2-2
Start Test Date:	2024.11.1	Finish Test Date:	2024.11.1
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	22.7°C	Relative Humidity:	51 %
Pressure:	101 kPa		

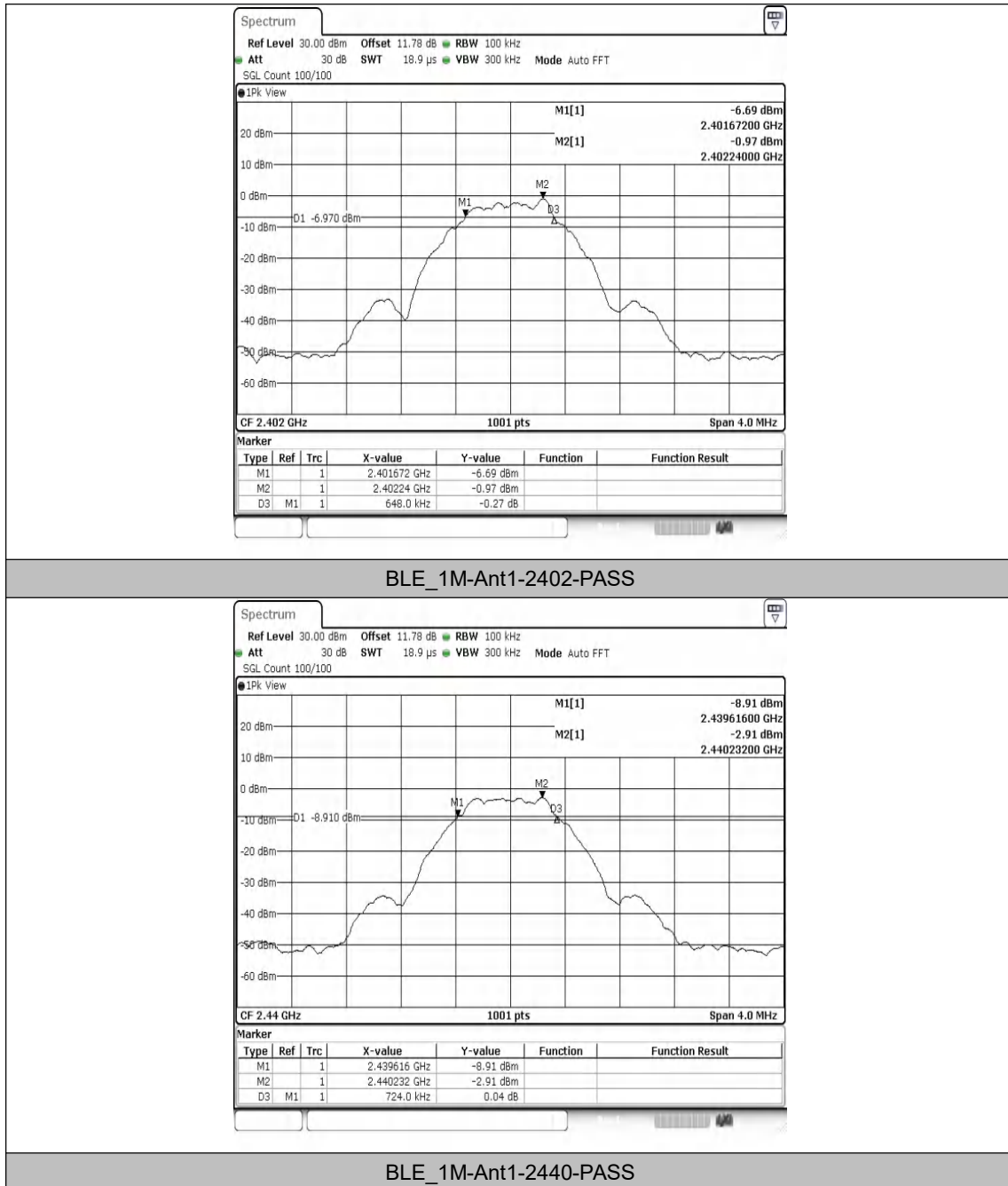
Appendix A: DTS Bandwidth

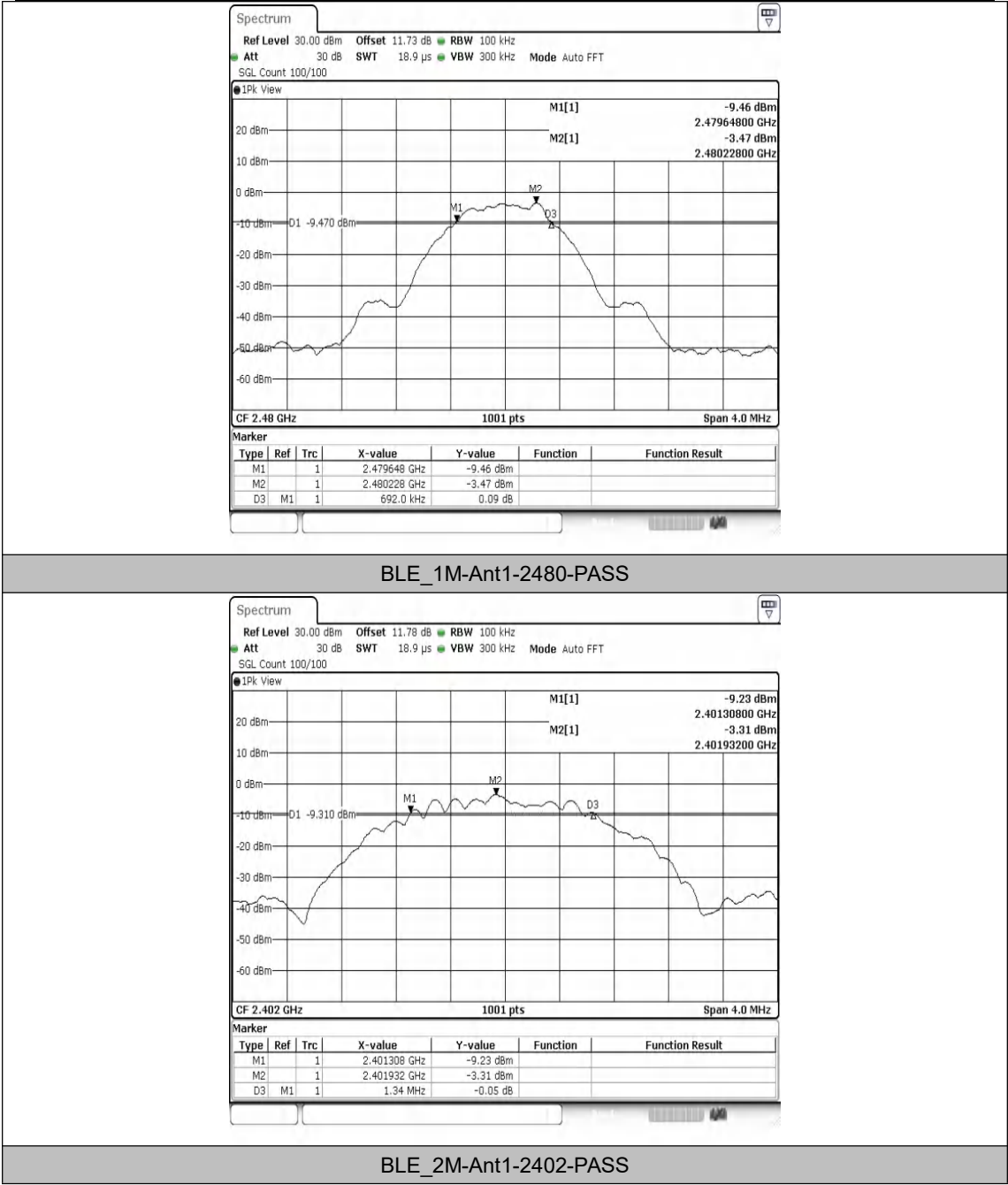
Test Result

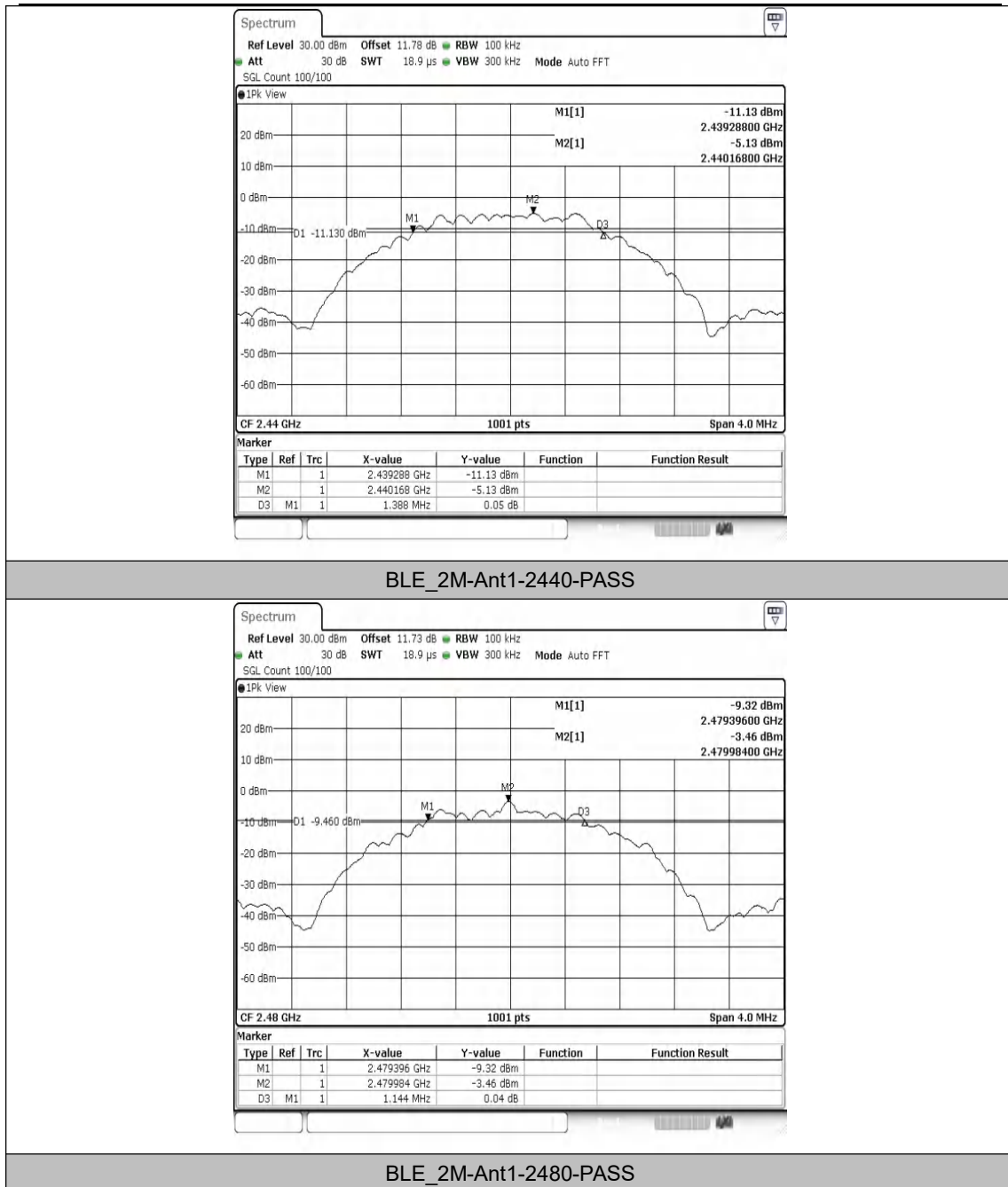
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.65	2401.67	2402.32	0.5	PASS
BLE_1M	Ant1	2440	0.72	2439.62	2440.34	0.5	PASS
BLE_1M	Ant1	2480	0.69	2479.65	2480.34	0.5	PASS
BLE_2M	Ant1	2402	1.34	2401.31	2402.65	0.5	PASS
BLE_2M	Ant1	2440	1.39	2439.29	2440.68	0.5	PASS
BLE_2M	Ant1	2480	1.14	2479.40	2480.54	0.5	PASS



Test Graphs







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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.015	2401.4885	2402.5035	---	---
BLE_1M	Ant1	2440	1.035	2439.4725	2440.5075	---	---
BLE_1M	Ant1	2480	1.039	2479.4725	2480.5115	---	---
BLE_2M	Ant1	2402	2.046	2400.9810	2403.0270	---	---
BLE_2M	Ant1	2440	2.05	2438.9730	2441.0230	---	---
BLE_2M	Ant1	2480	2.062	2478.9730	2481.0350	---	---

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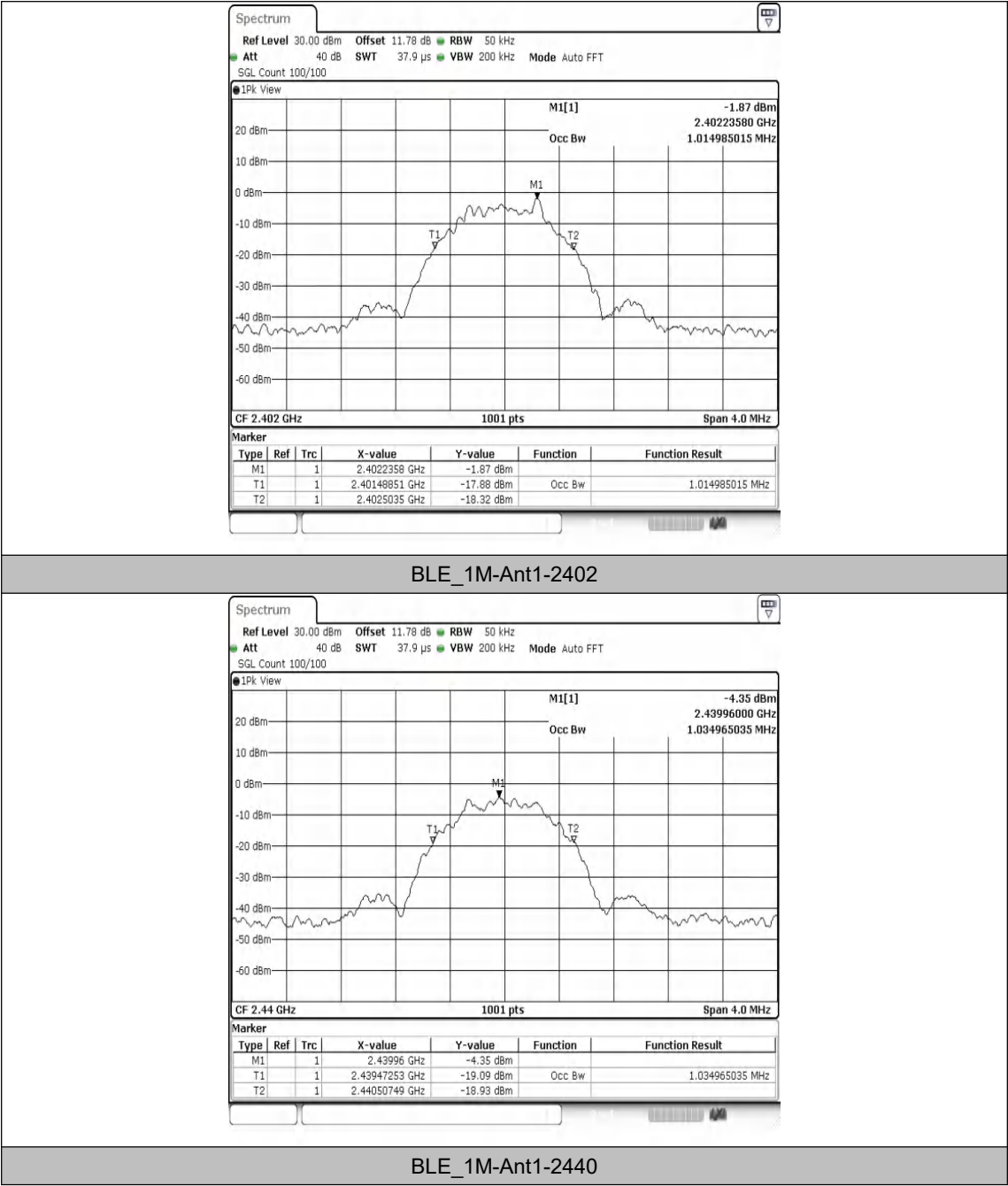
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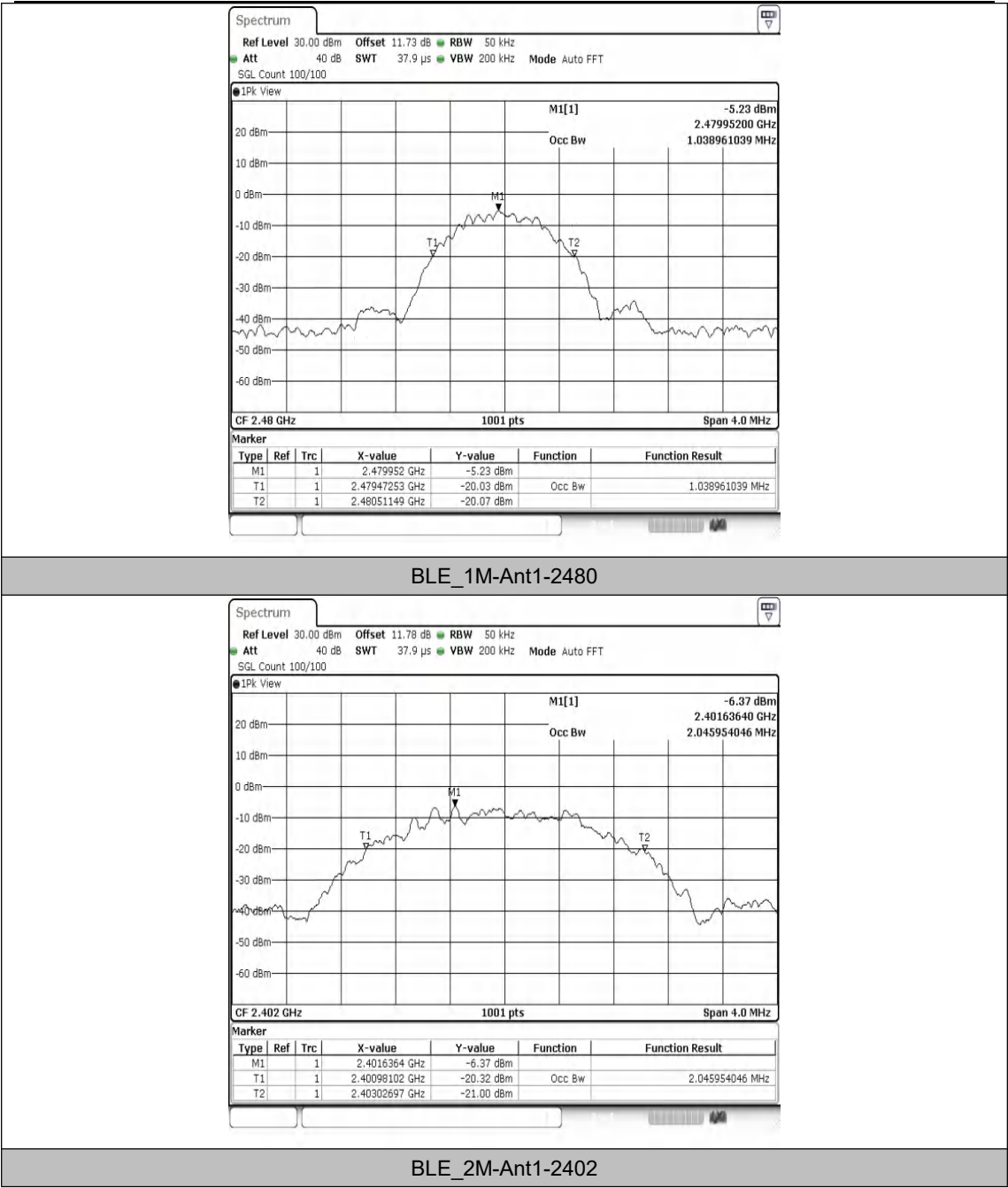


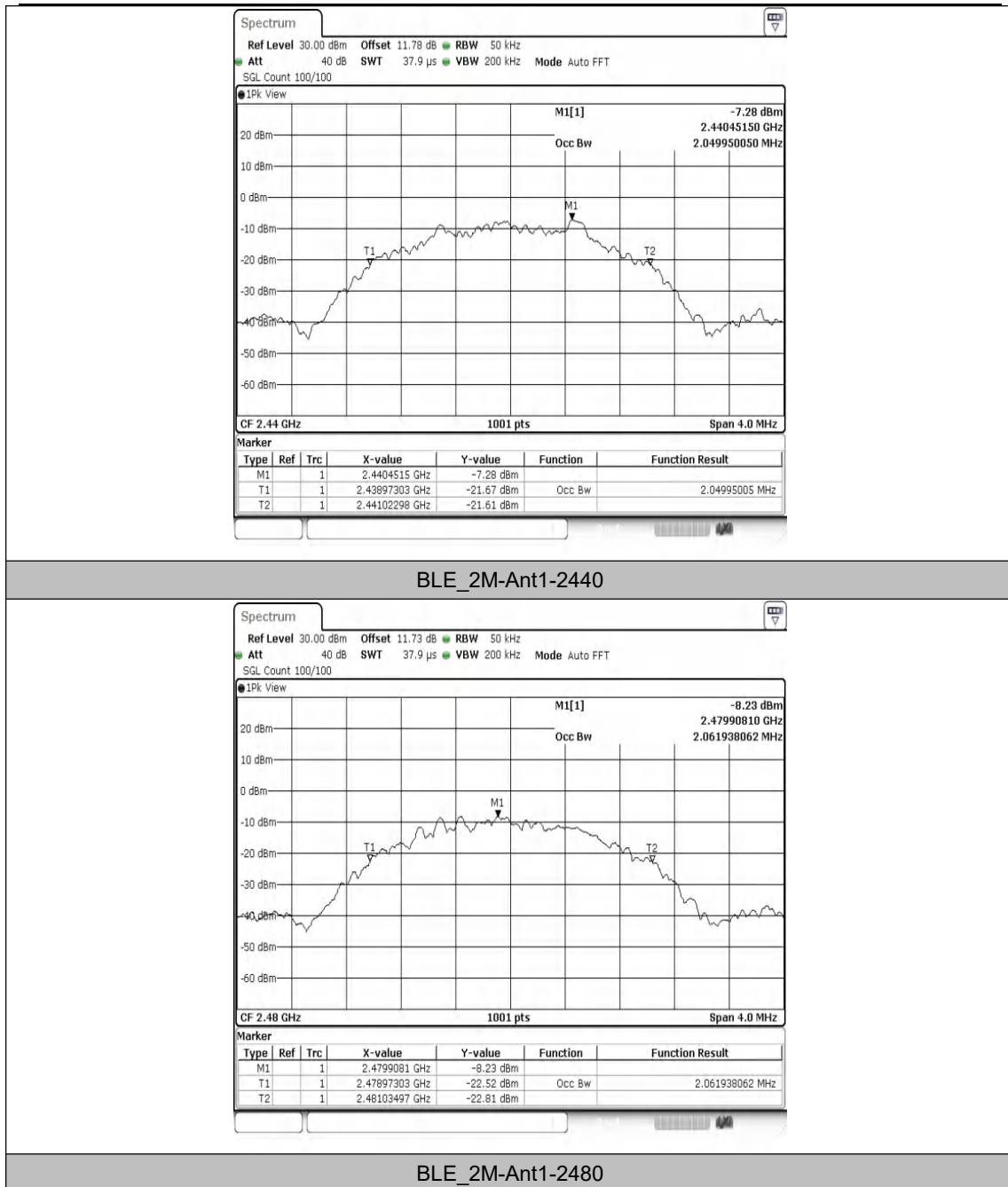
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Test Graphs







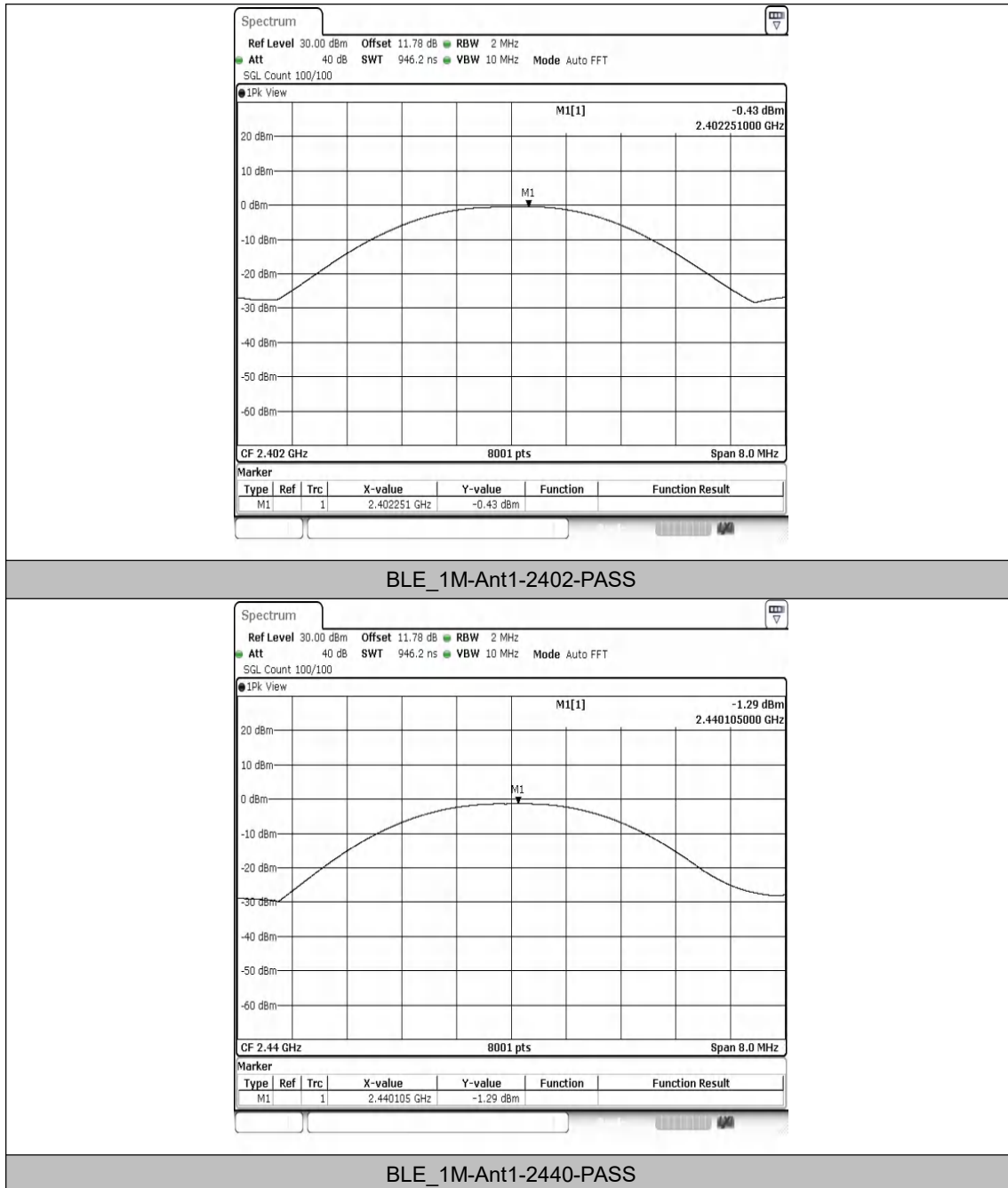
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.43	≤30	PASS
BLE_1M	Ant1	2440	-1.29	≤30	PASS
BLE_1M	Ant1	2480	-2.24	≤30	PASS
BLE_2M	Ant1	2402	-0.51	≤30	PASS
BLE_2M	Ant1	2440	-1.33	≤30	PASS
BLE_2M	Ant1	2480	-2.24	≤30	PASS



Test Graphs Peak

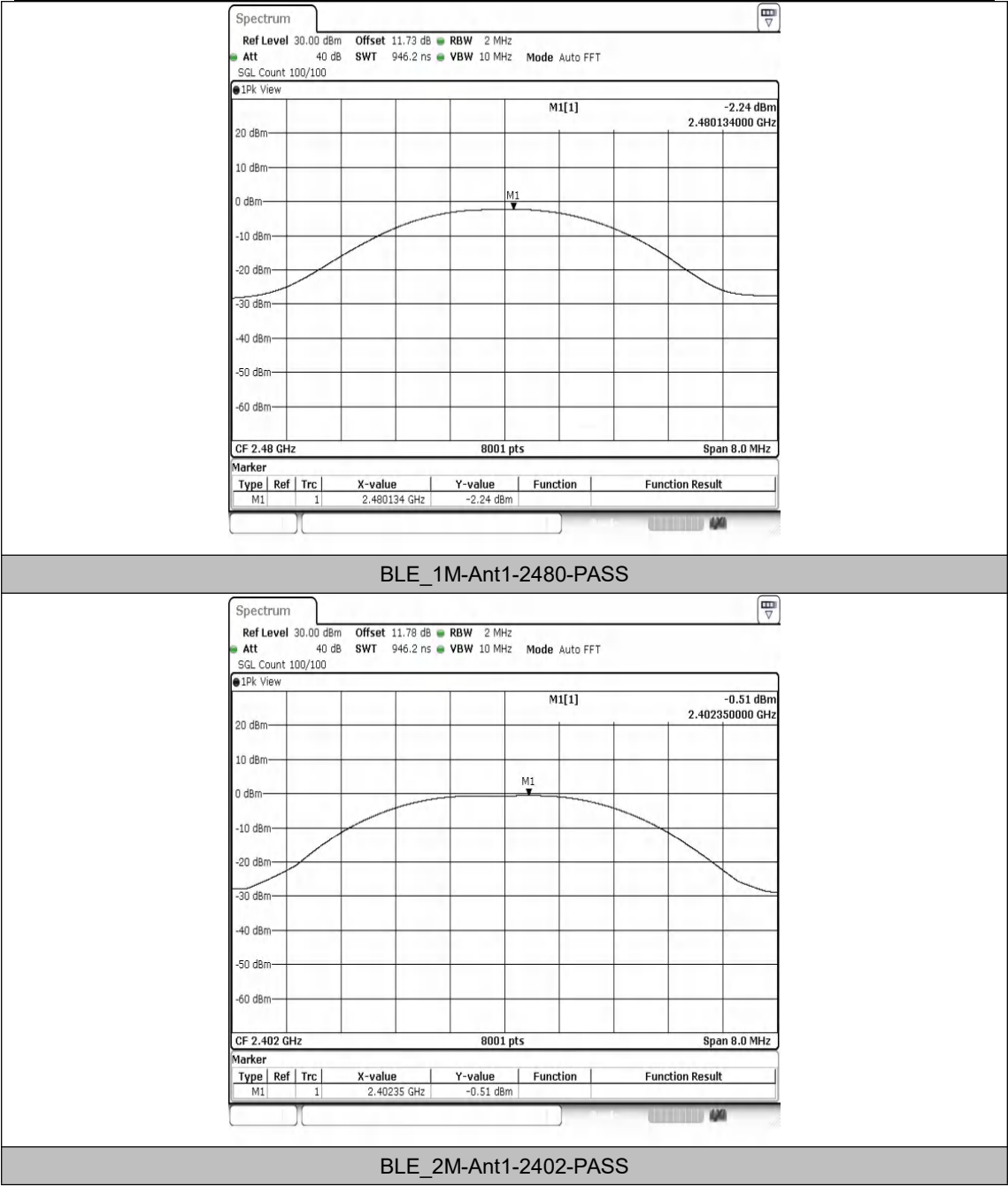


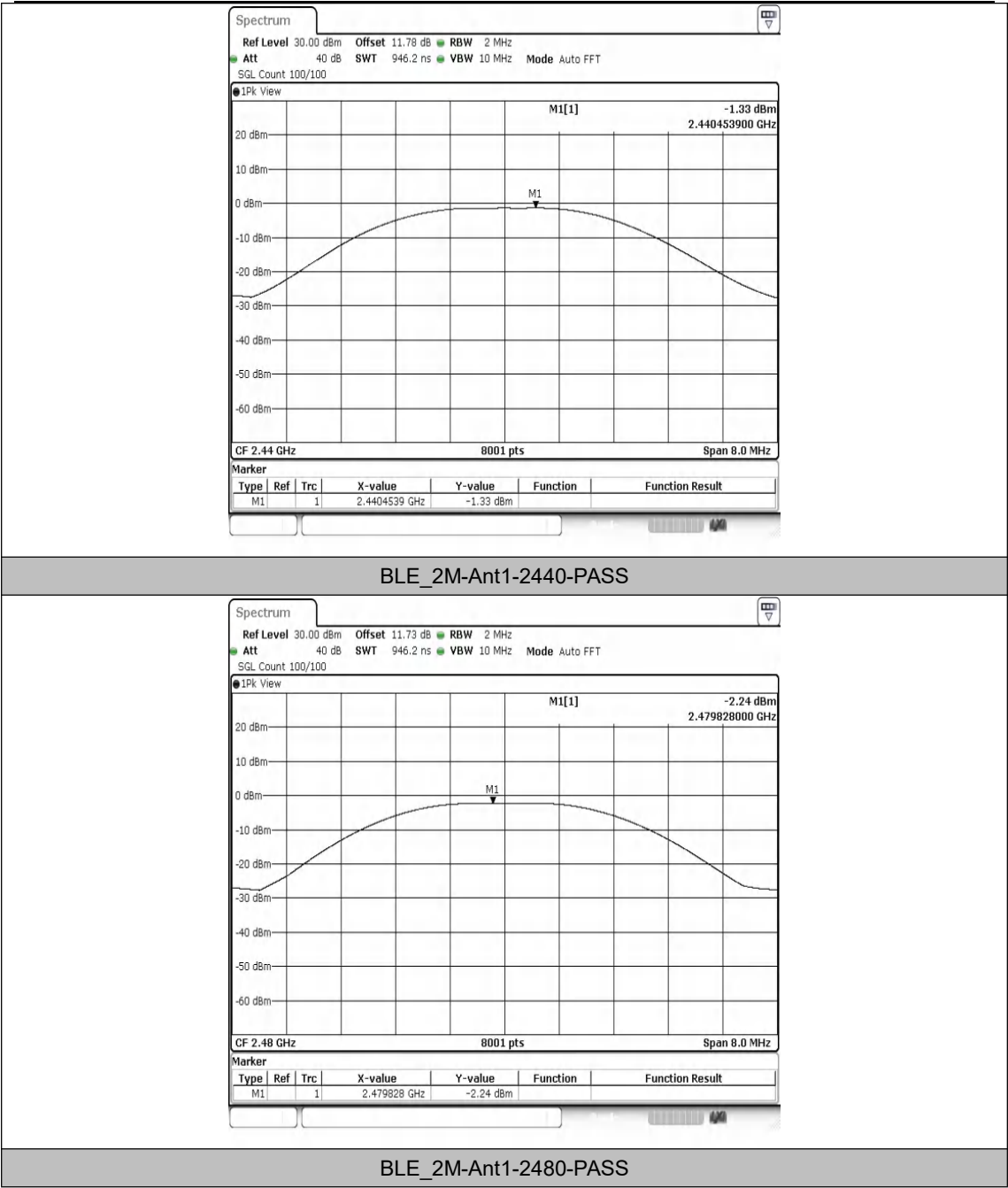
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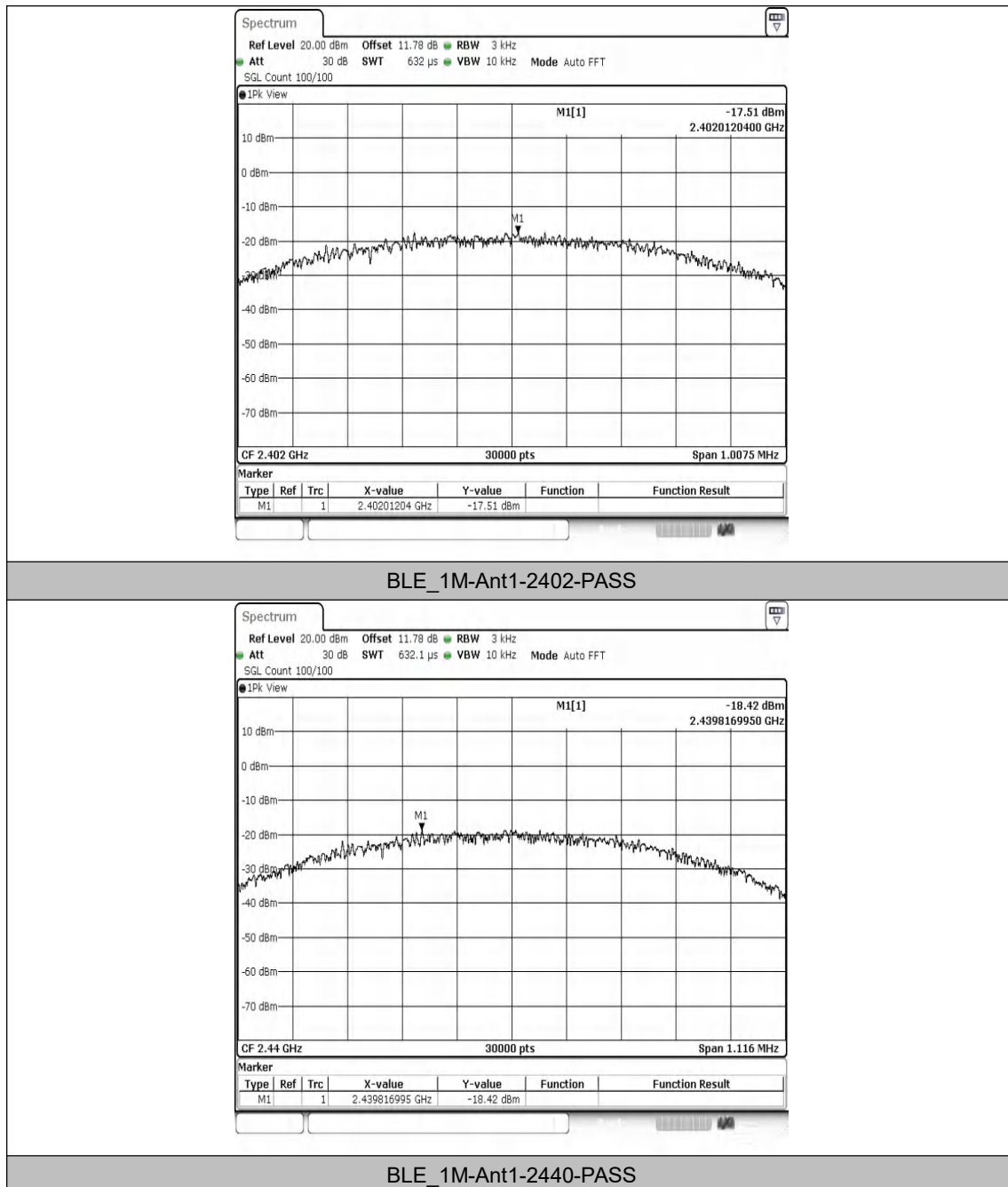
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-17.51	≤8.00	PASS
BLE_1M	Ant1	2440	-18.42	≤8.00	PASS
BLE_1M	Ant1	2480	-19.31	≤8.00	PASS
BLE_2M	Ant1	2402	-20.24	≤8.00	PASS
BLE_2M	Ant1	2440	-21.03	≤8.00	PASS
BLE_2M	Ant1	2480	-21.96	≤8.00	PASS



Test Graphs

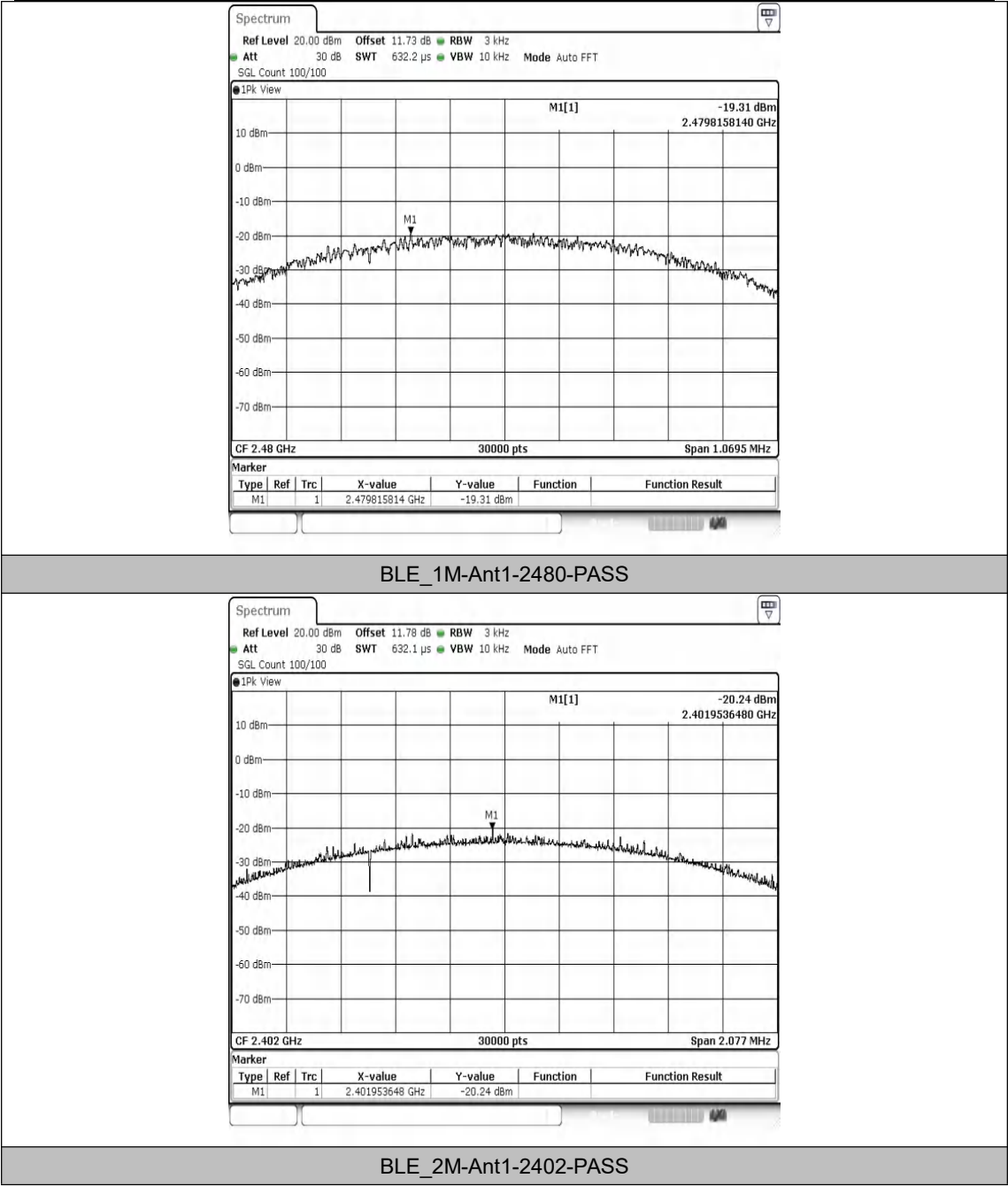


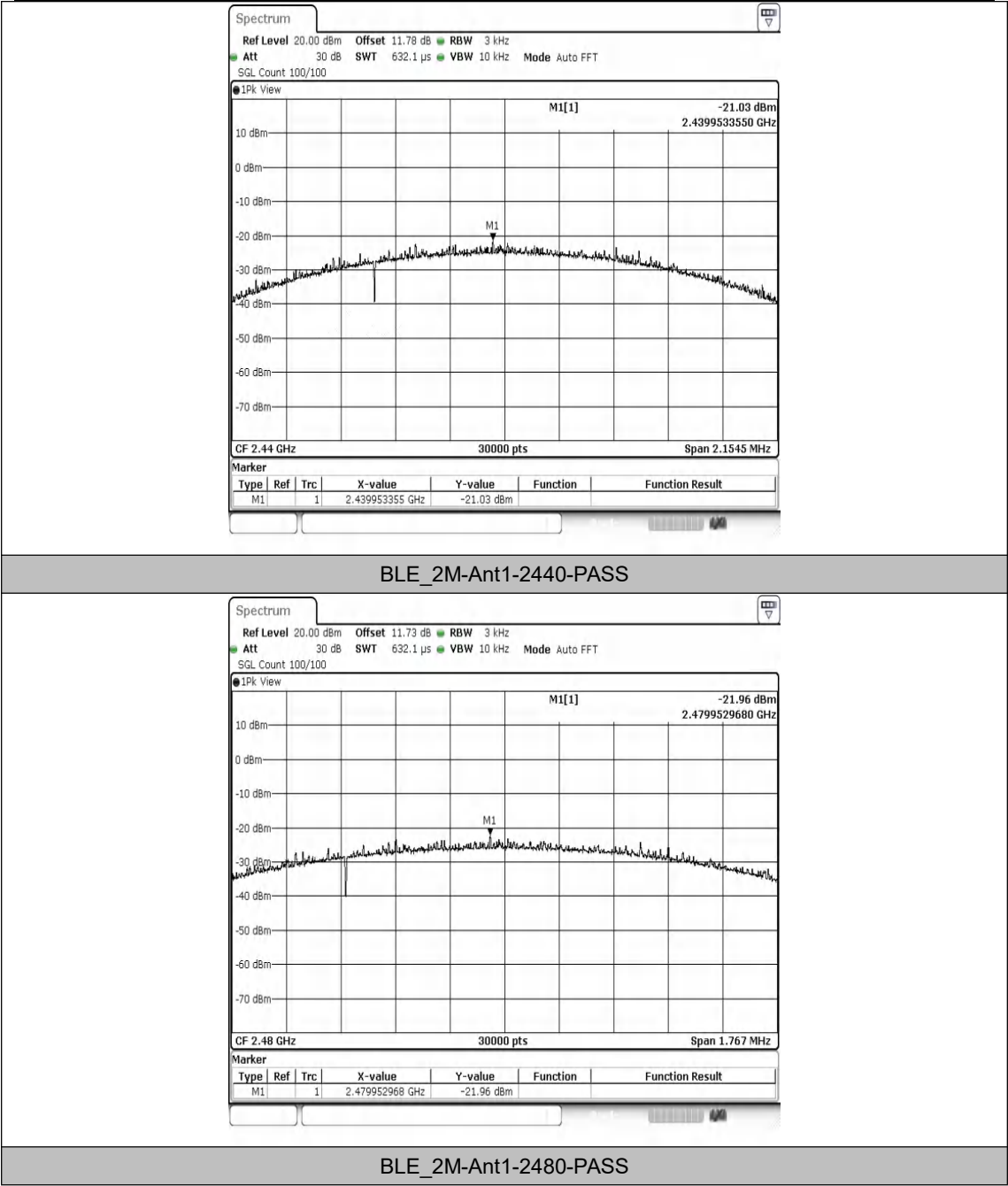
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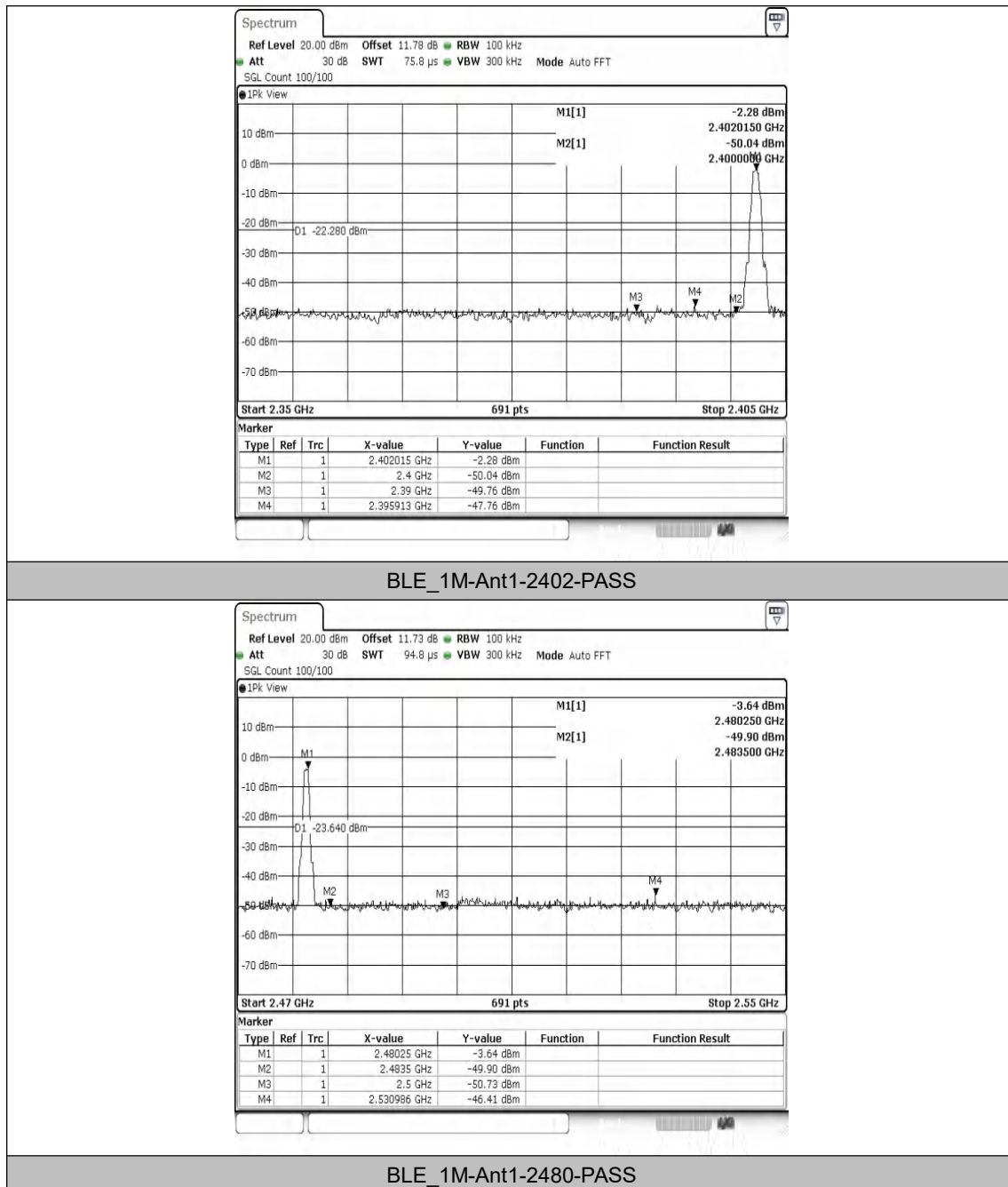
Appendix F: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.28	-47.76	≤-22.28	PASS
BLE_1M	Ant1	High	2480	-3.64	-46.41	≤-23.64	PASS
BLE_2M	Ant1	Low	2402	-4.78	-38.02	≤-24.78	PASS
BLE_2M	Ant1	High	2480	-5.73	-46.96	≤-25.73	PASS



Test Graphs

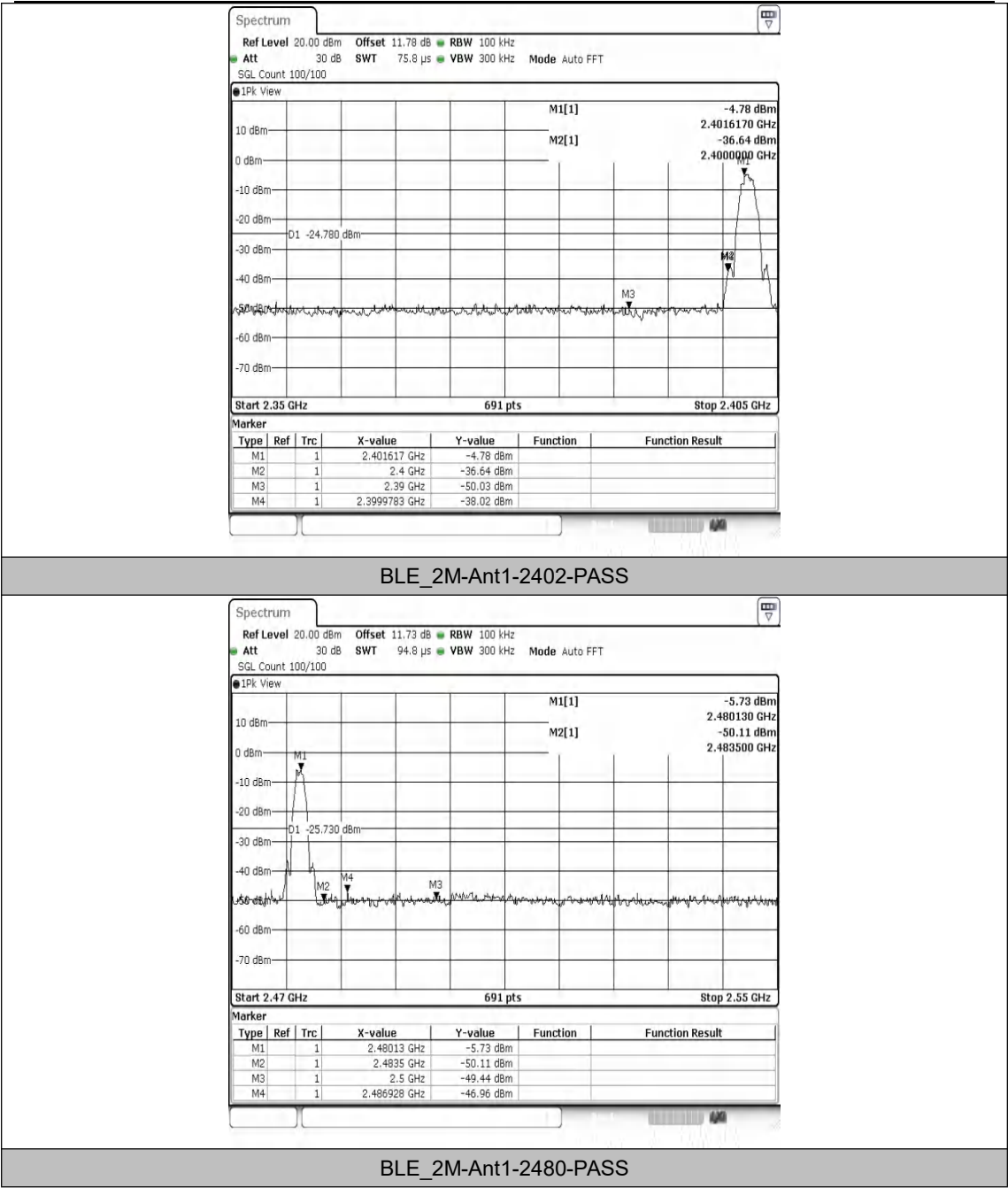


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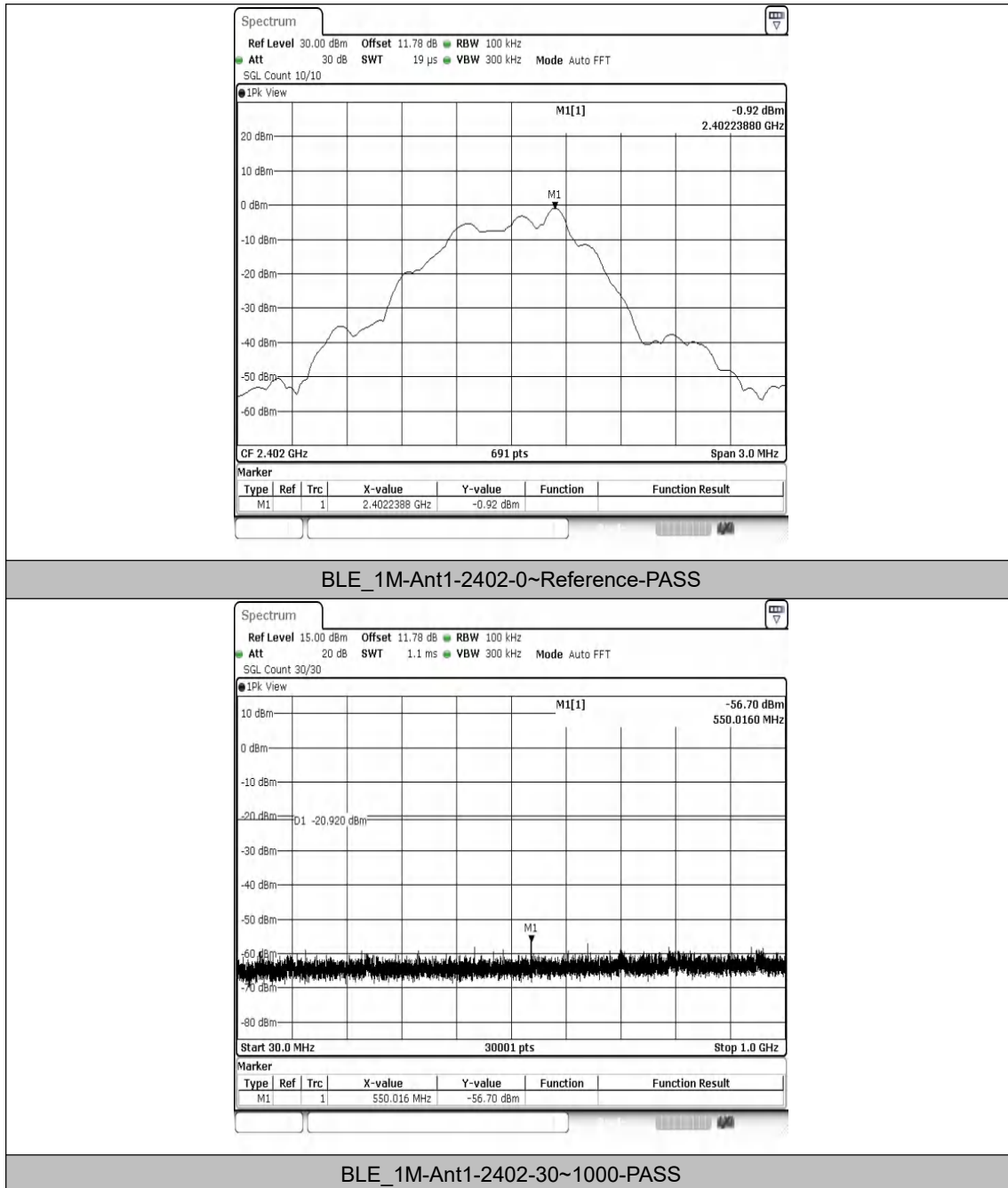
Appendix G: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-0.92	-0.92	---	PASS
BLE_1M	Ant1	2402	30~1000	-0.92	-56.7	≤-20.92	PASS
BLE_1M	Ant1	2402	1000~26500	-0.92	-43.81	≤-20.92	PASS
BLE_1M	Ant1	2440	0~Reference	-4.40	-4.40	---	PASS
BLE_1M	Ant1	2440	30~1000	-4.40	-56.26	≤-24.4	PASS
BLE_1M	Ant1	2440	1000~26500	-4.40	-43.85	≤-24.4	PASS
BLE_1M	Ant1	2480	0~Reference	-4.25	-4.25	---	PASS
BLE_1M	Ant1	2480	30~1000	-4.25	-57.38	≤-24.25	PASS
BLE_1M	Ant1	2480	1000~26500	-4.25	-43.1	≤-24.25	PASS
BLE_2M	Ant1	2402	0~Reference	-4.69	-4.69	---	PASS
BLE_2M	Ant1	2402	30~1000	-4.69	-56.97	≤-24.69	PASS
BLE_2M	Ant1	2402	1000~26500	-4.69	-44.06	≤-24.69	PASS
BLE_2M	Ant1	2440	0~Reference	-4.95	-4.95	---	PASS
BLE_2M	Ant1	2440	30~1000	-4.95	-55.8	≤-24.95	PASS
BLE_2M	Ant1	2440	1000~26500	-4.95	-43.51	≤-24.95	PASS
BLE_2M	Ant1	2480	0~Reference	-5.91	-5.91	---	PASS
BLE_2M	Ant1	2480	30~1000	-5.91	-56.53	≤-25.91	PASS
BLE_2M	Ant1	2480	1000~26500	-5.91	-43.5	≤-25.91	PASS



Test Graphs

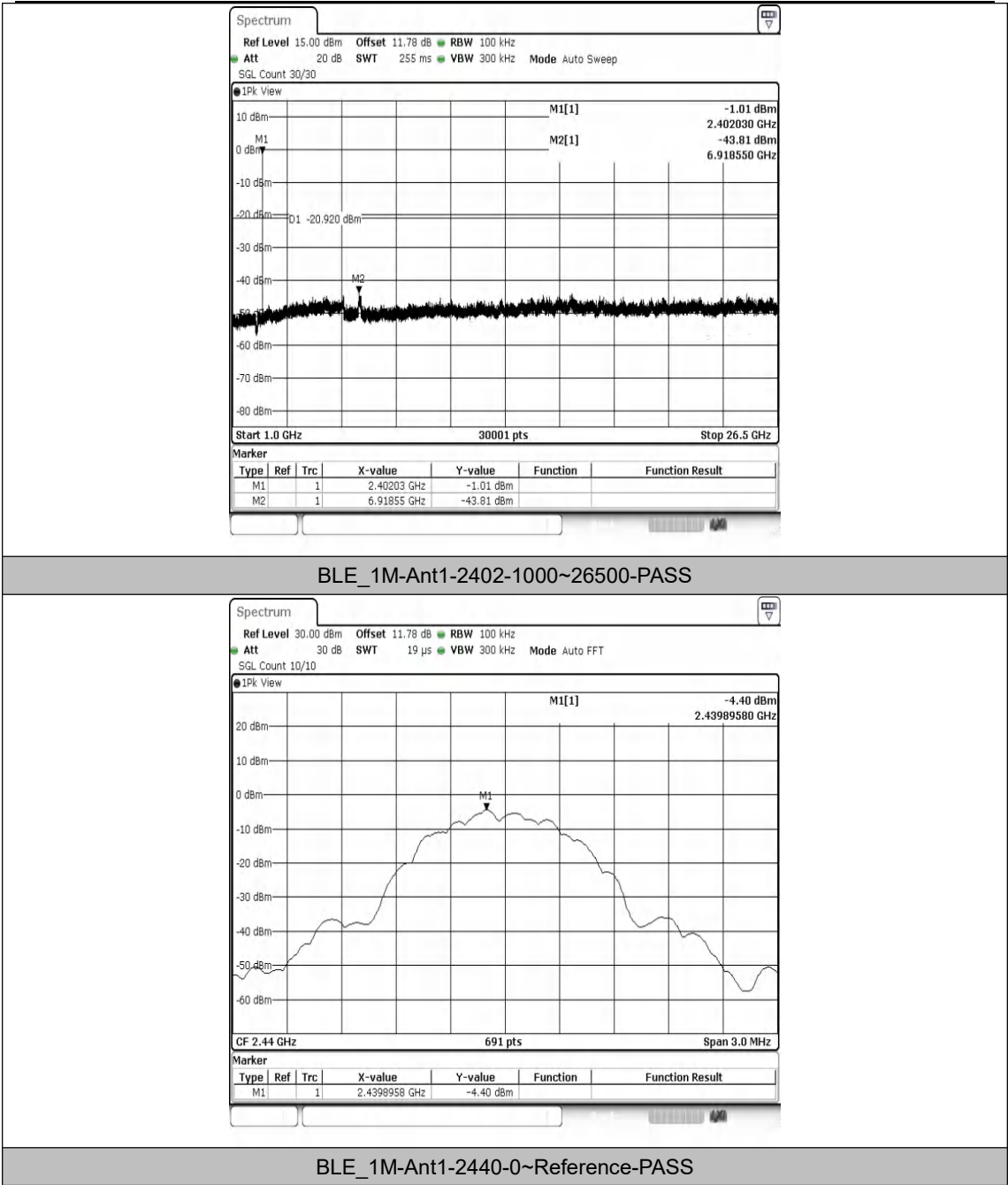


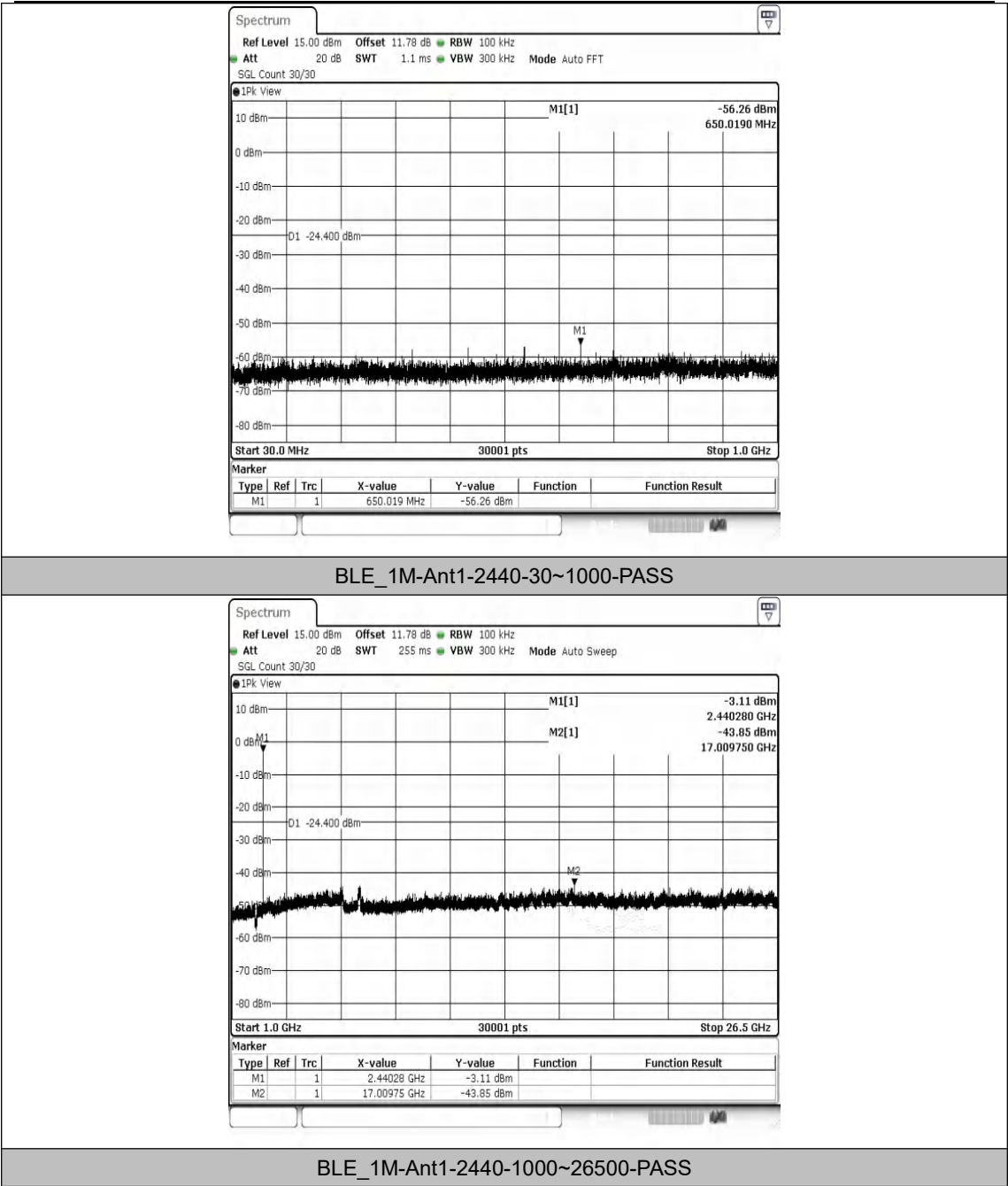
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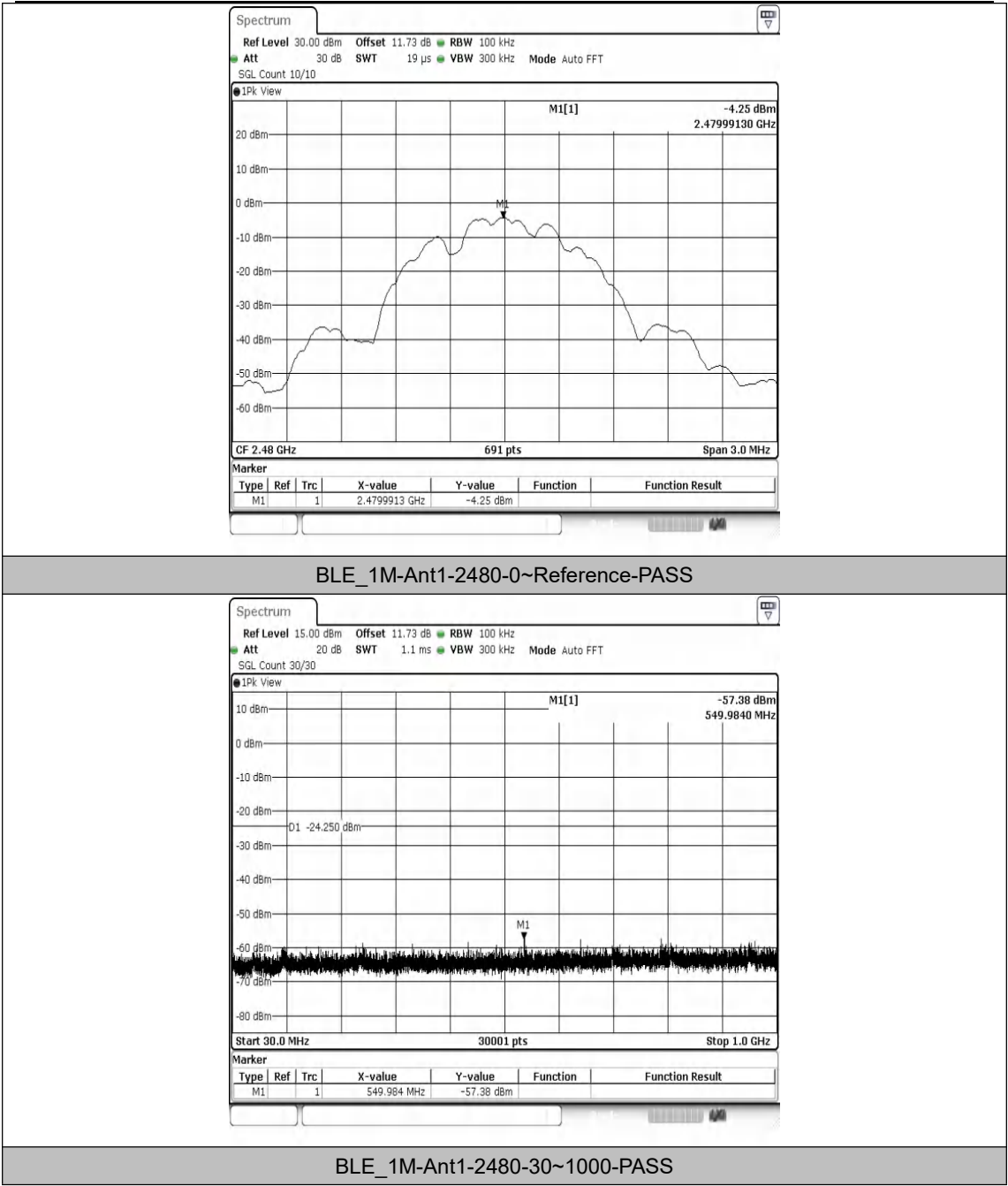
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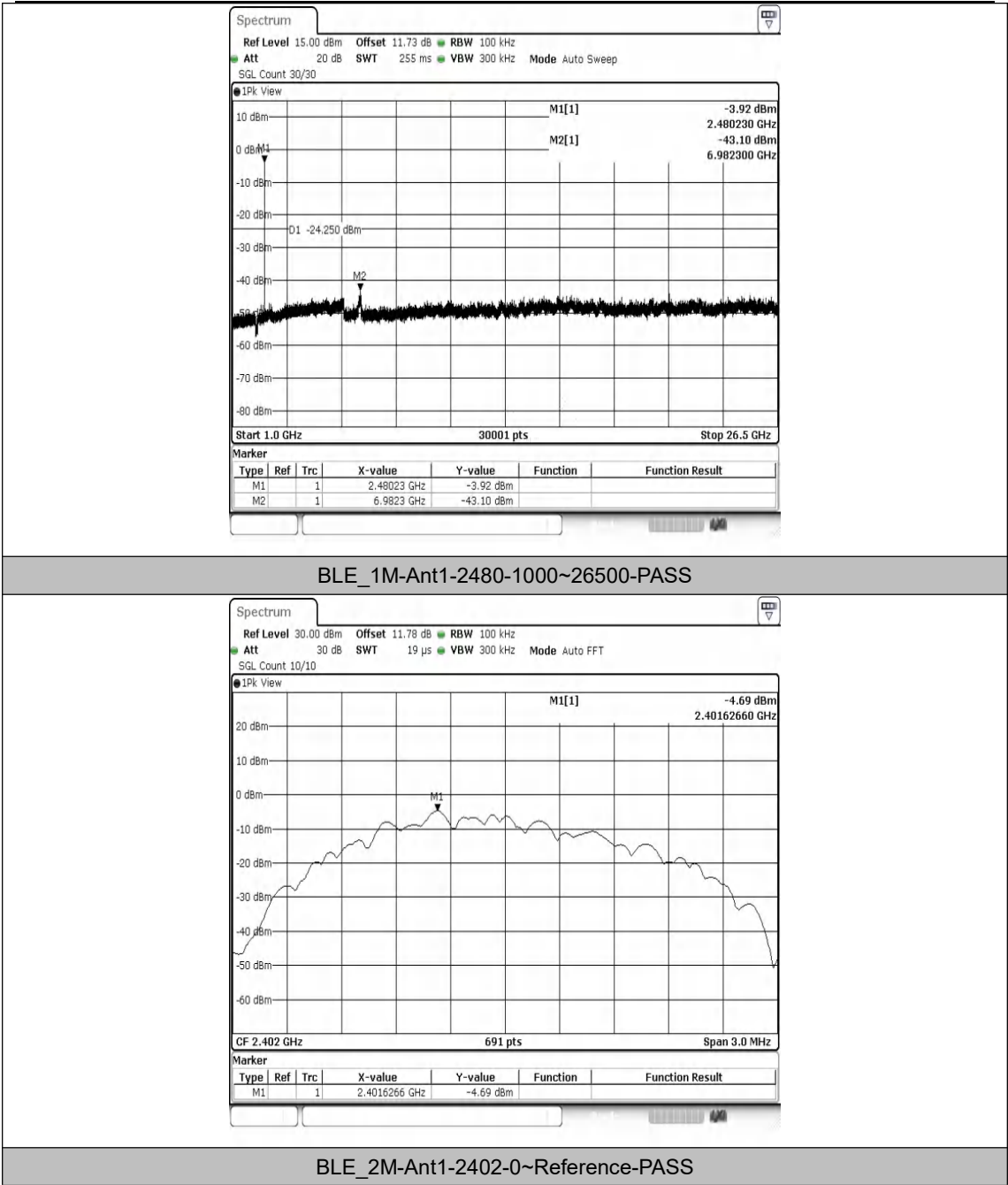
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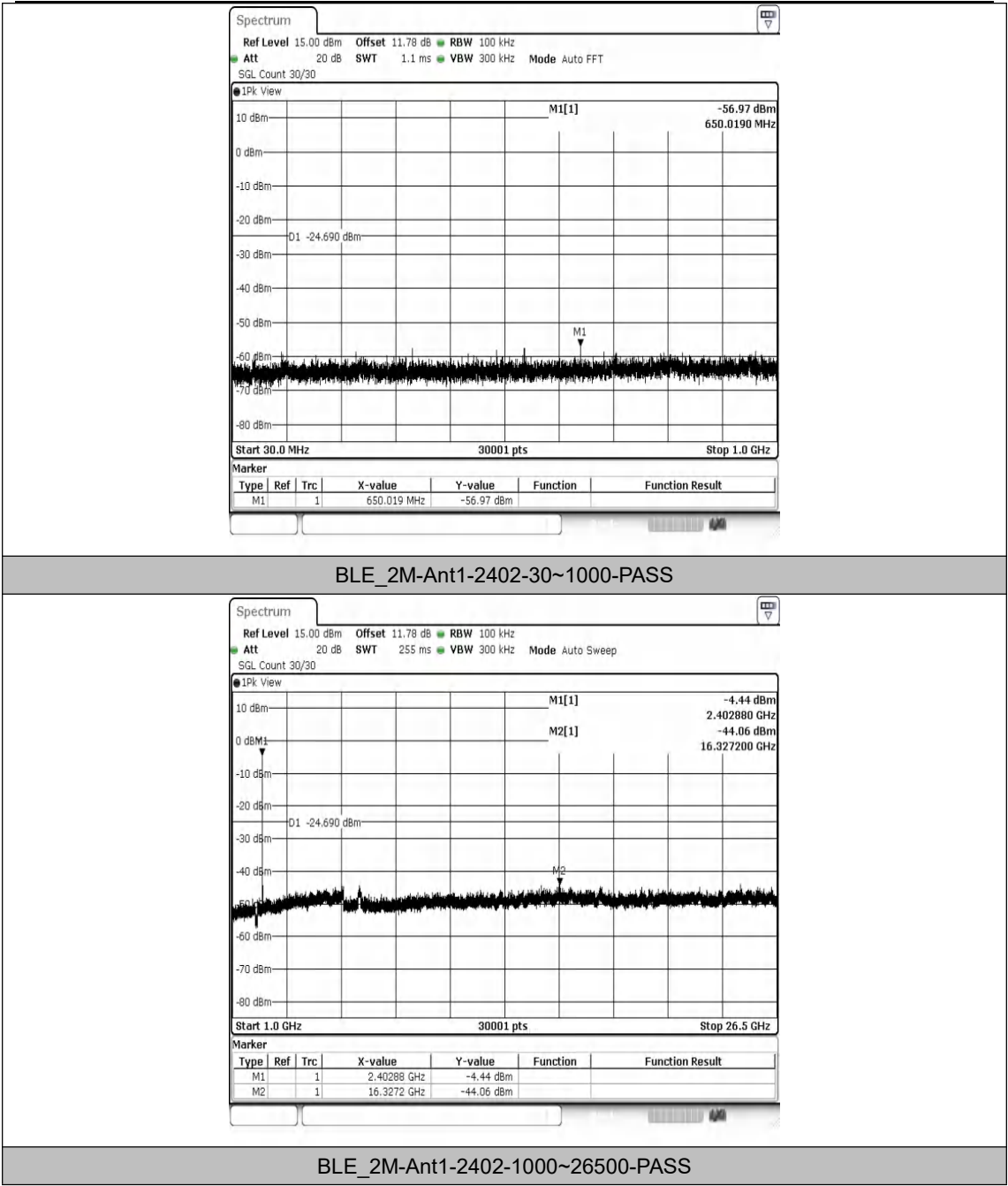


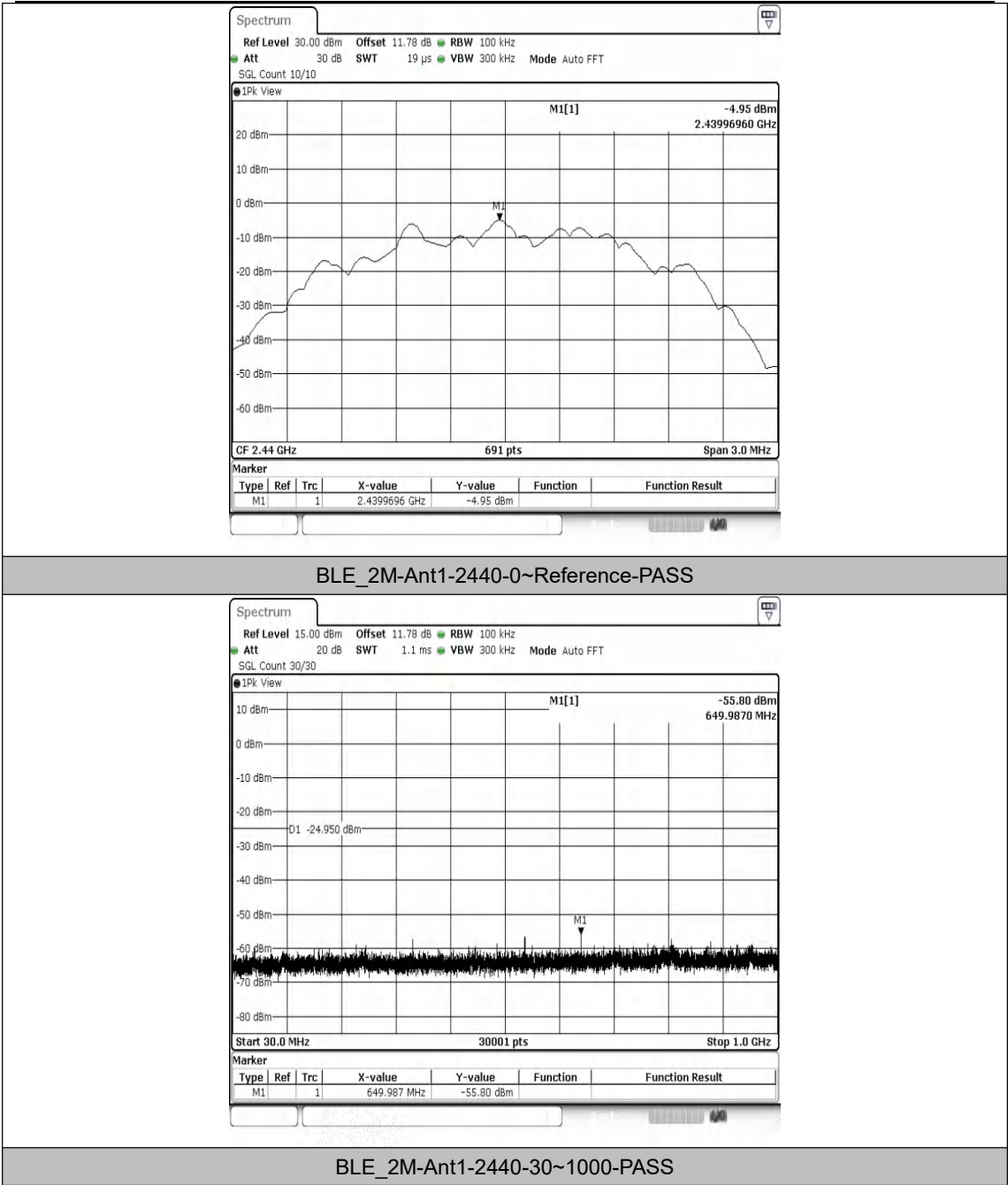


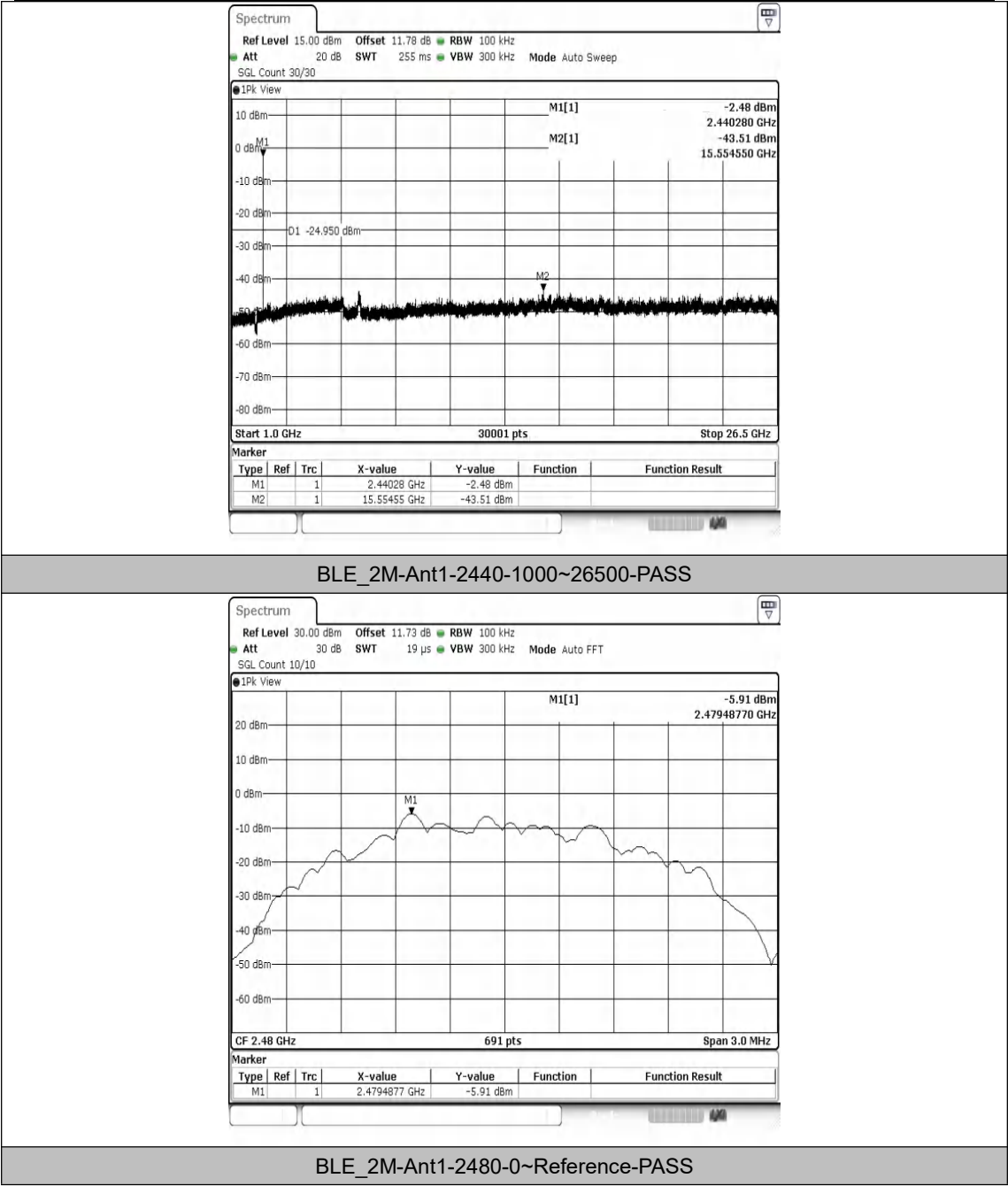


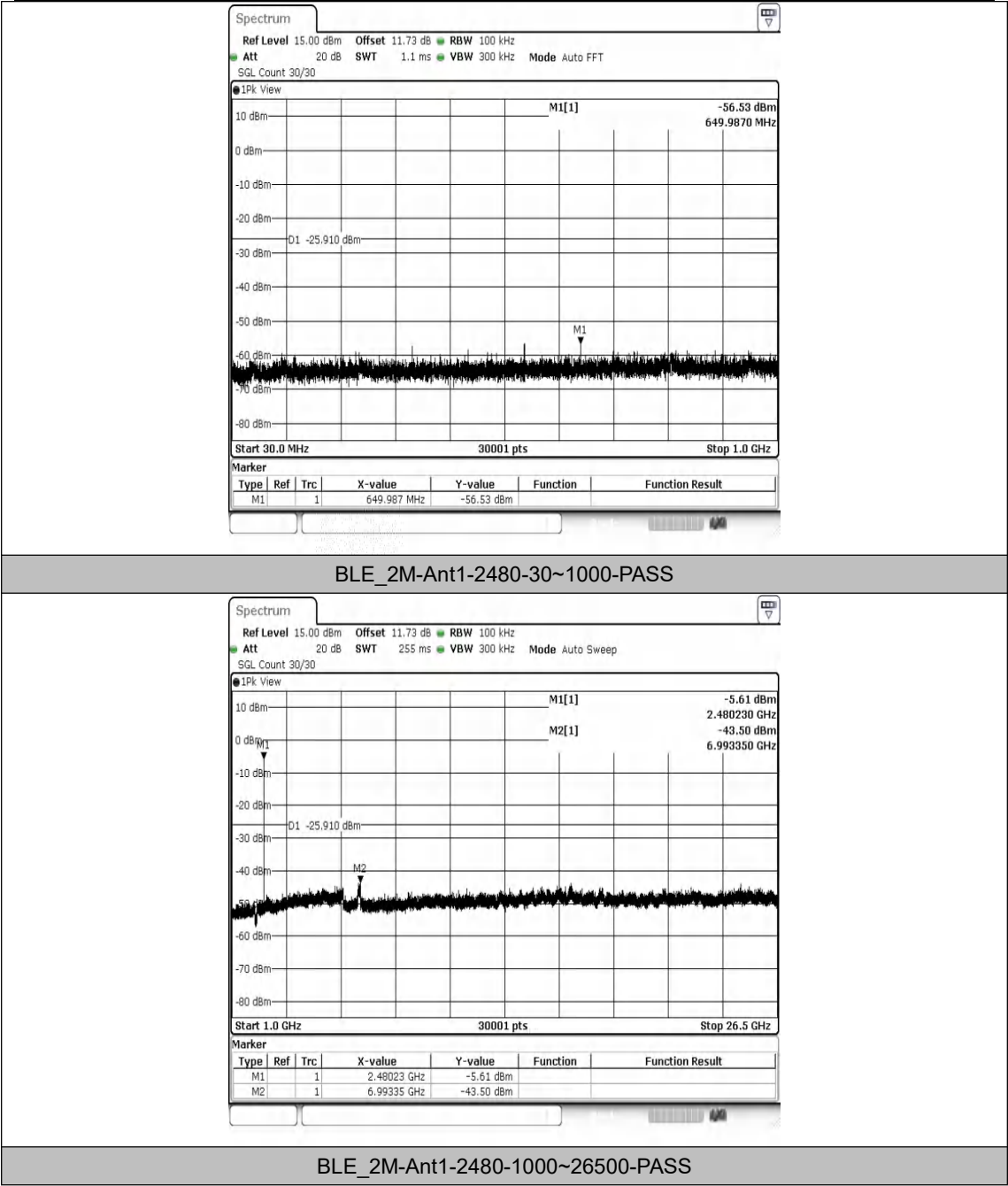












Appendix H: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.14	2.50	85.60	0.68
BLE_1M	Ant1	2440	2.14	2.51	85.26	0.69
BLE_1M	Ant1	2480	2.14	2.51	85.26	0.69
BLE_2M	Ant1	2402	1.06	1.87	56.68	2.47
BLE_2M	Ant1	2440	1.06	1.87	56.68	2.47
BLE_2M	Ant1	2480	1.06	1.87	56.68	2.47

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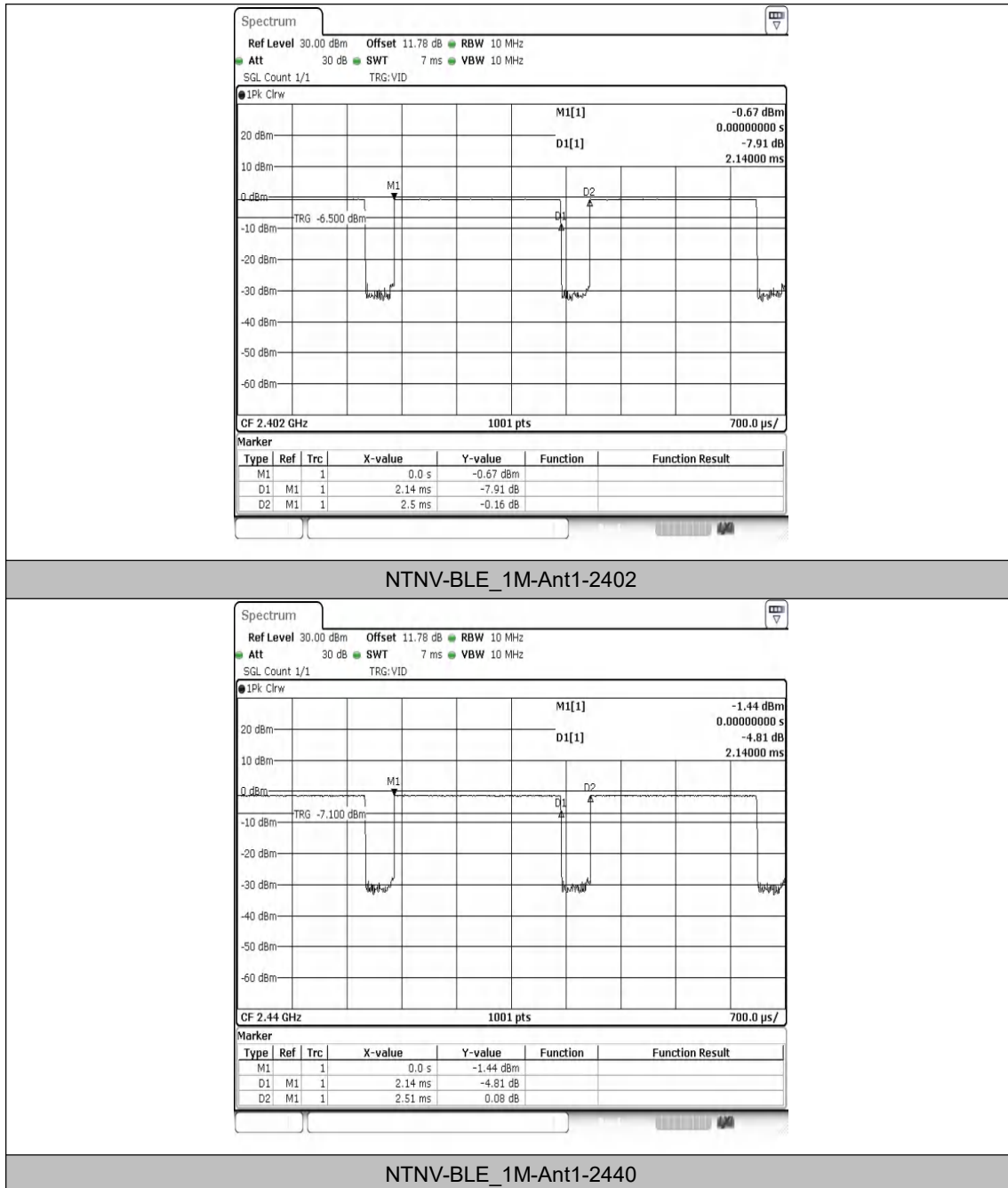
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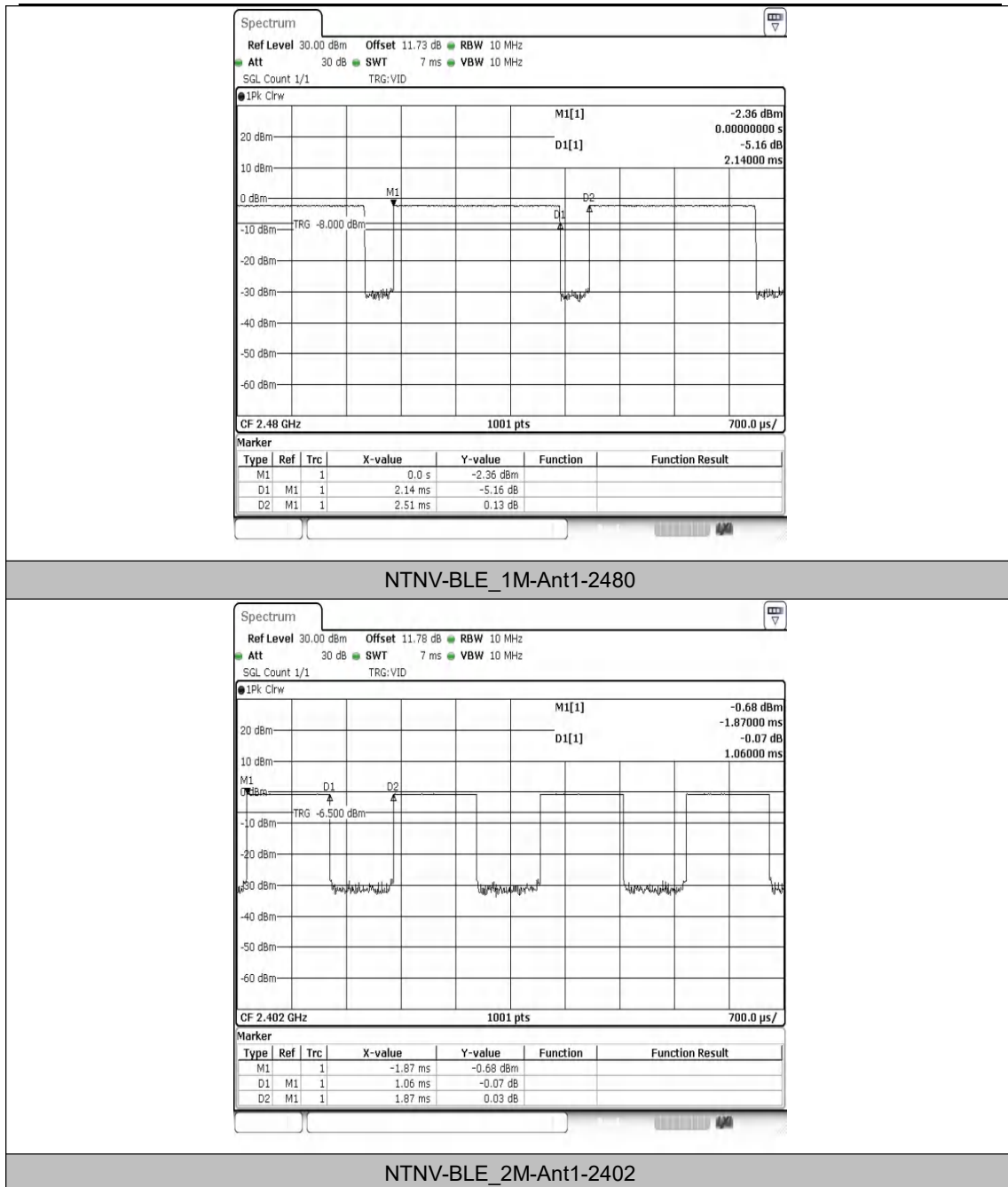


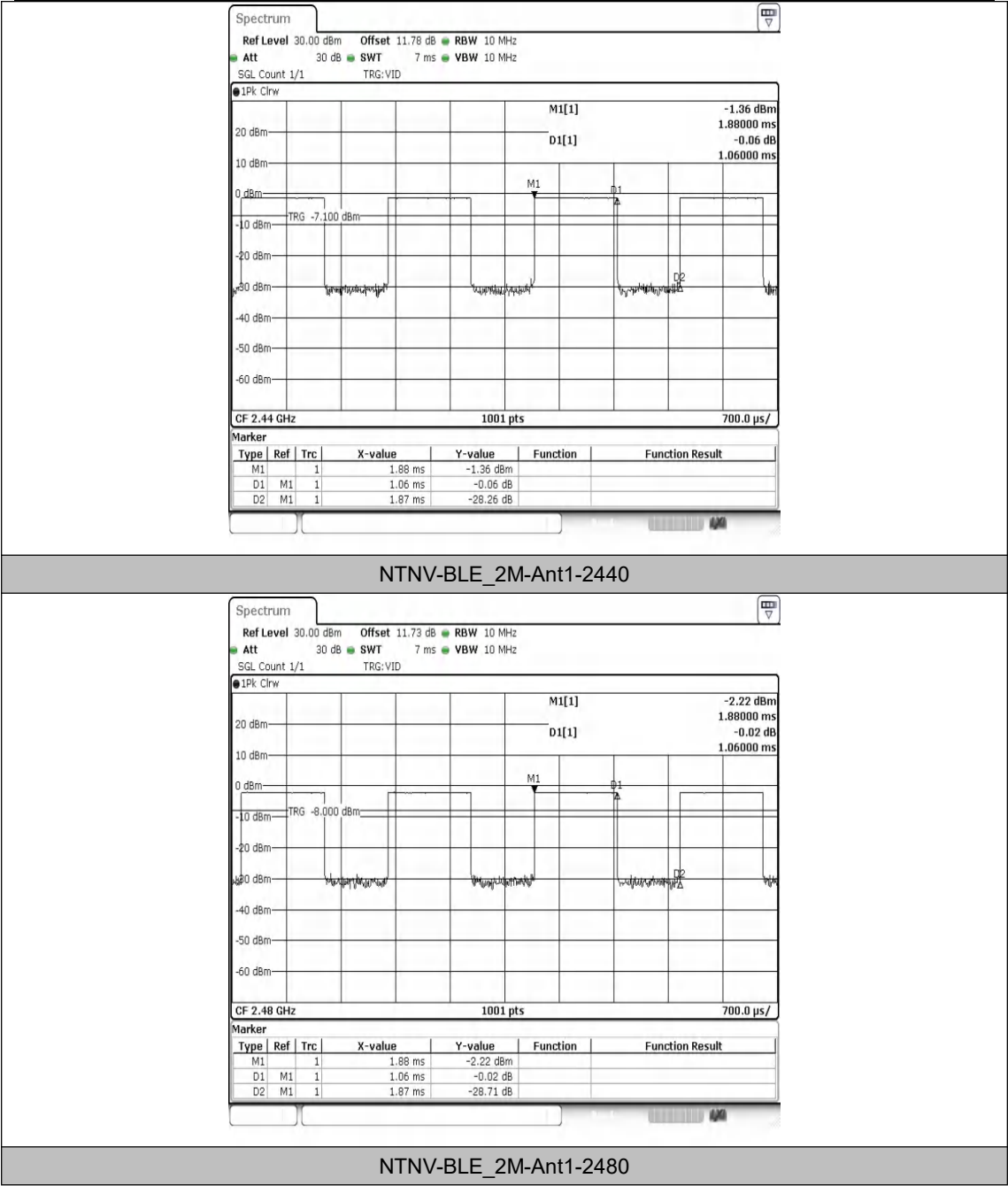
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Test Graphs







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