

Appendix Test Data

Report No:	1815C400962125	Test Sample NO:	1-2-2
Start Test Date:	2024.10.9	Finish Test Date:	2024.10.9
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	22.4℃	Relative Humidity:	52%
Pressure:	101 kPa		

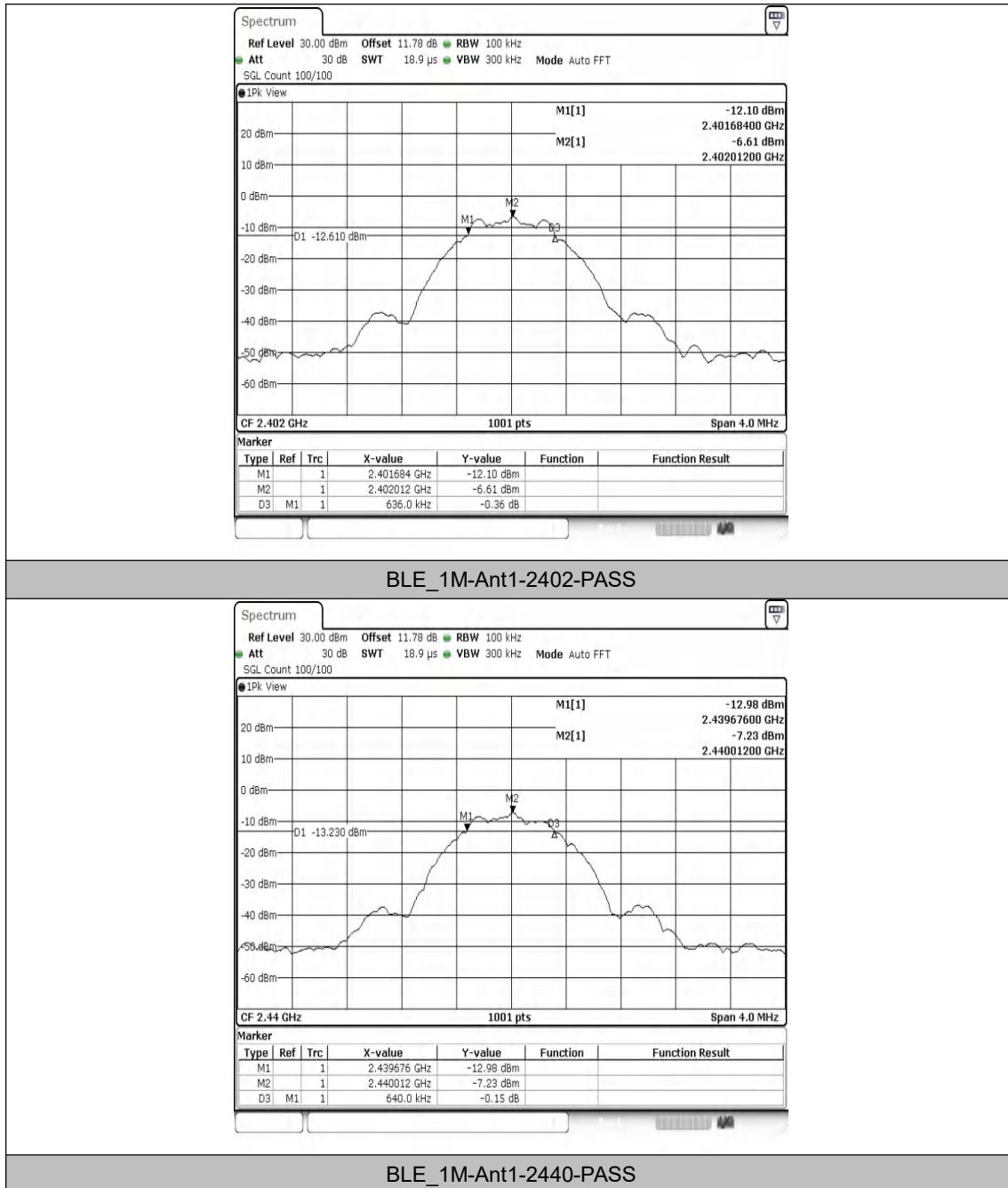
Appendix A: DTS Bandwidth

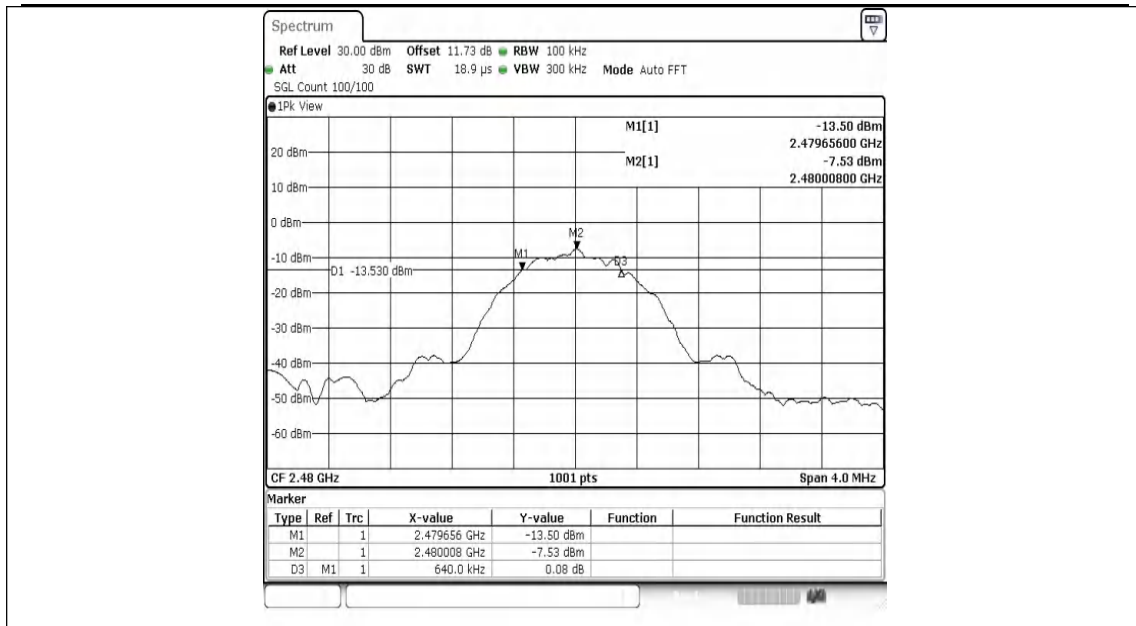
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.64	2401.68	2402.32	0.5	PASS
BLE_1M	Ant1	2440	0.64	2439.68	2440.32	0.5	PASS
BLE_1M	Ant1	2480	0.64	2479.66	2480.30	0.5	PASS
BLE_2M	Ant1	2402	0.83	2401.68	2402.51	0.5	PASS
BLE_2M	Ant1	2440	0.94	2439.45	2440.39	0.5	PASS
BLE_2M	Ant1	2480	1.10	2479.45	2480.54	0.5	PASS

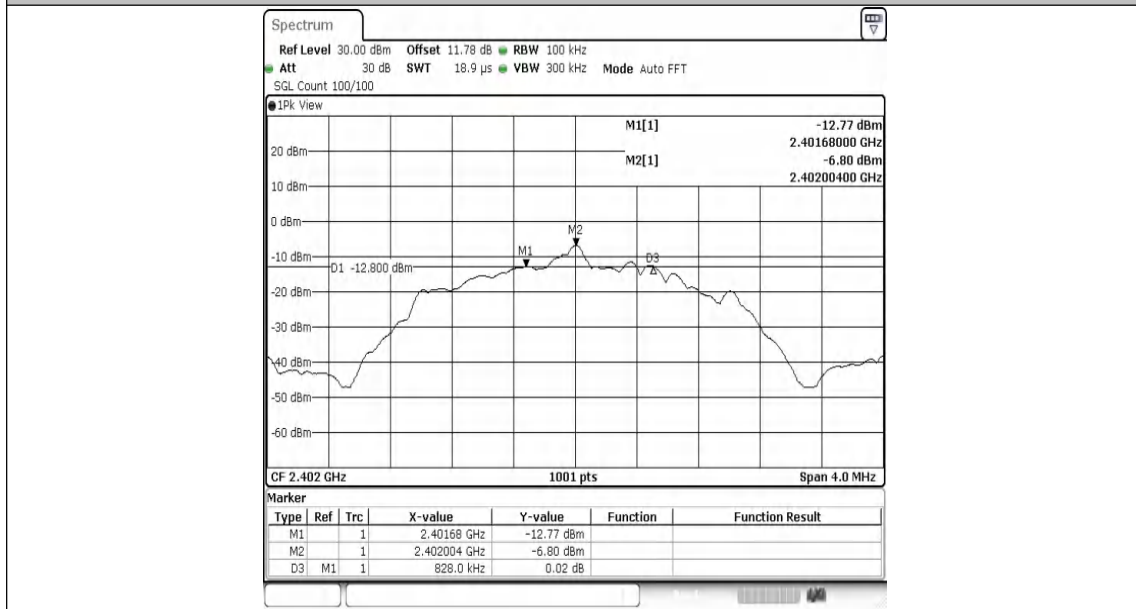


Test Graphs



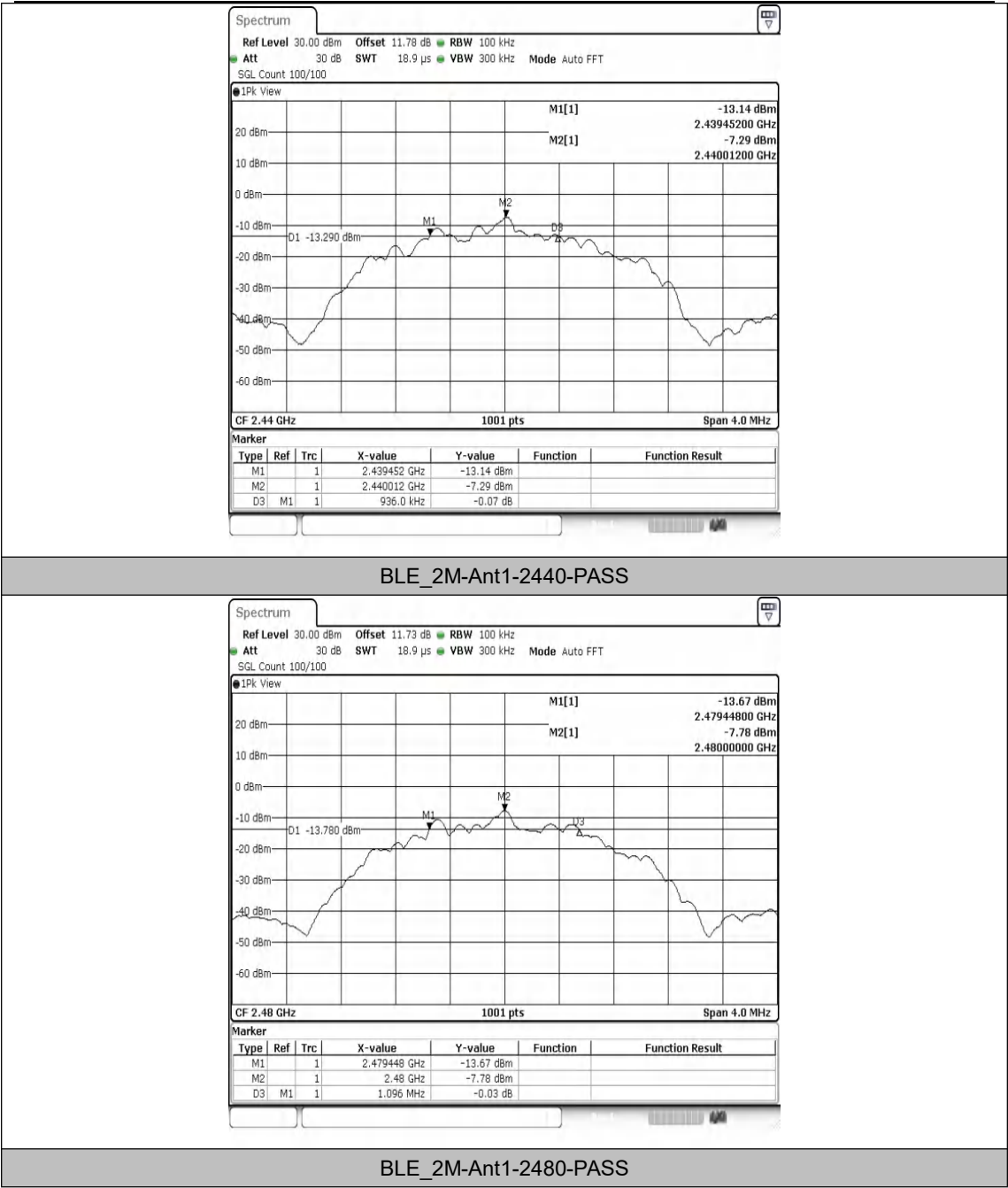


BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS





Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.063	2401.4725	2402.5355	---	---
BLE_1M	Ant1	2440	1.087	2439.4565	2440.5435	---	---
BLE_1M	Ant1	2480	1.075	2479.4685	2480.5435	---	---
BLE_2M	Ant1	2402	2.074	2400.9930	2403.0669	---	---
BLE_2M	Ant1	2440	2.142	2438.9211	2441.0629	---	---
BLE_2M	Ant1	2480	2.074	2478.9890	2481.0629	---	---

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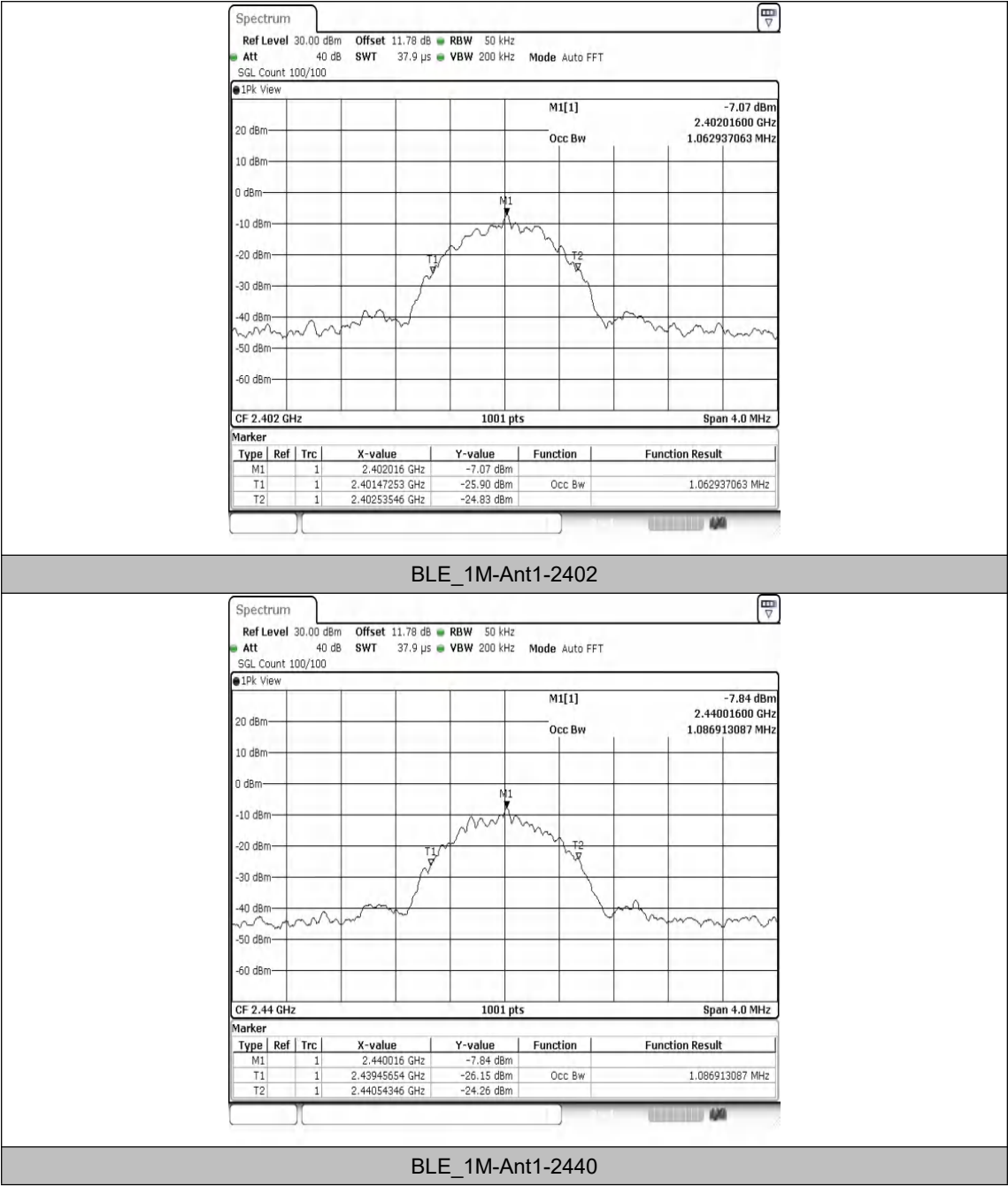
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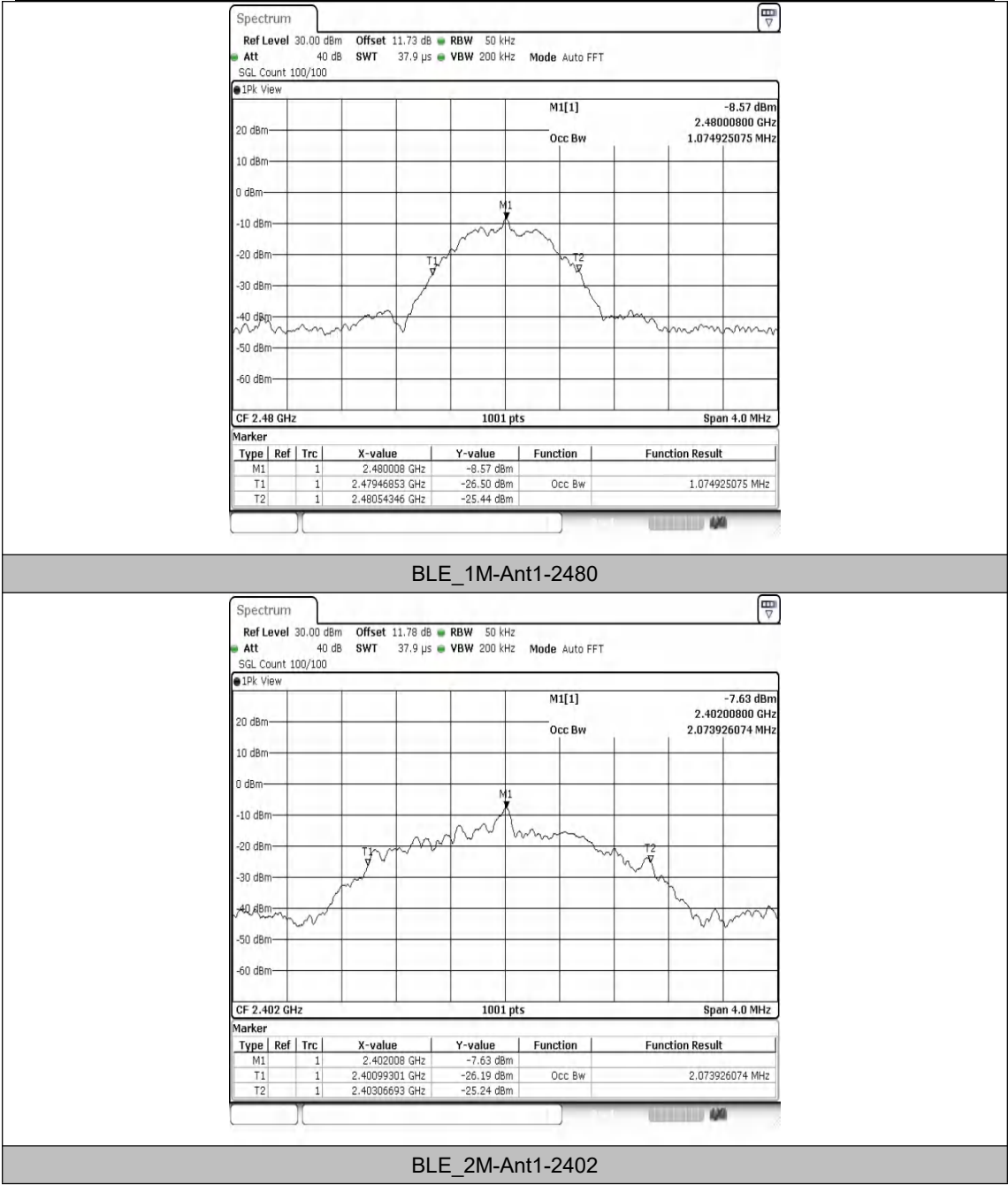


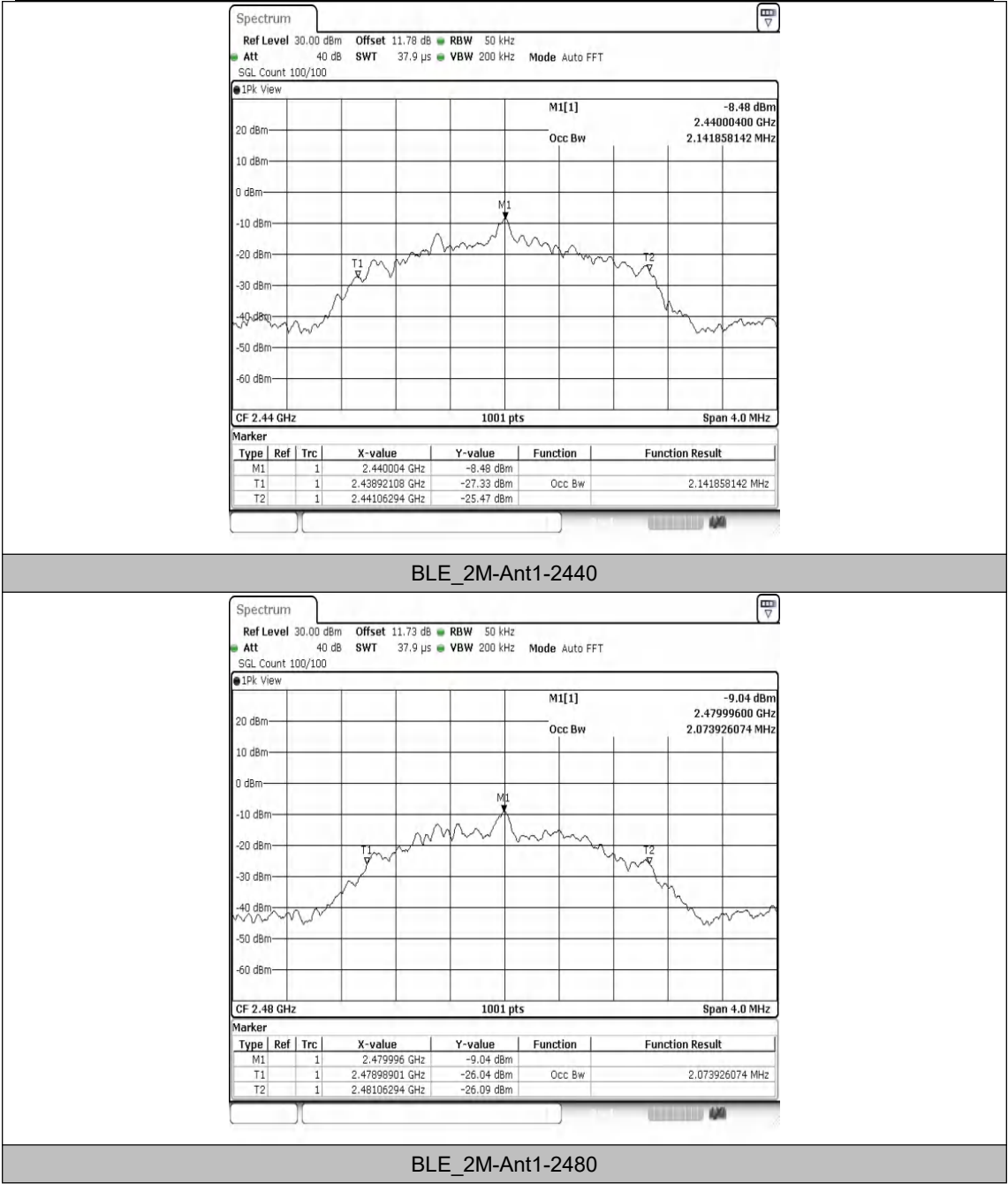
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Test Graphs





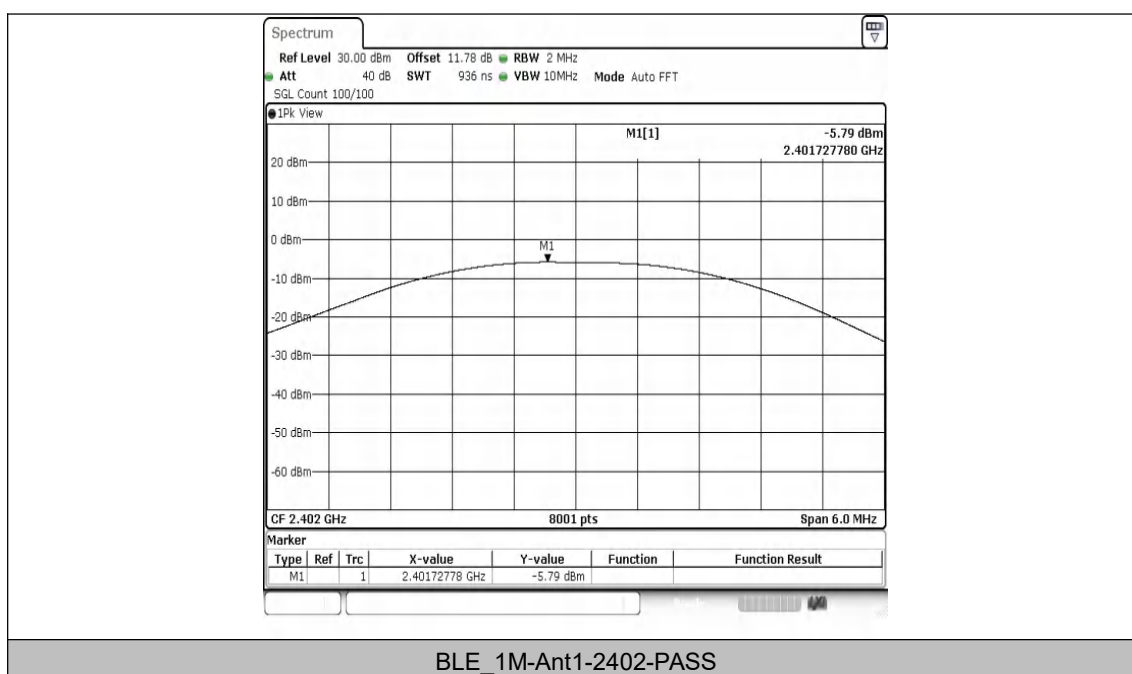


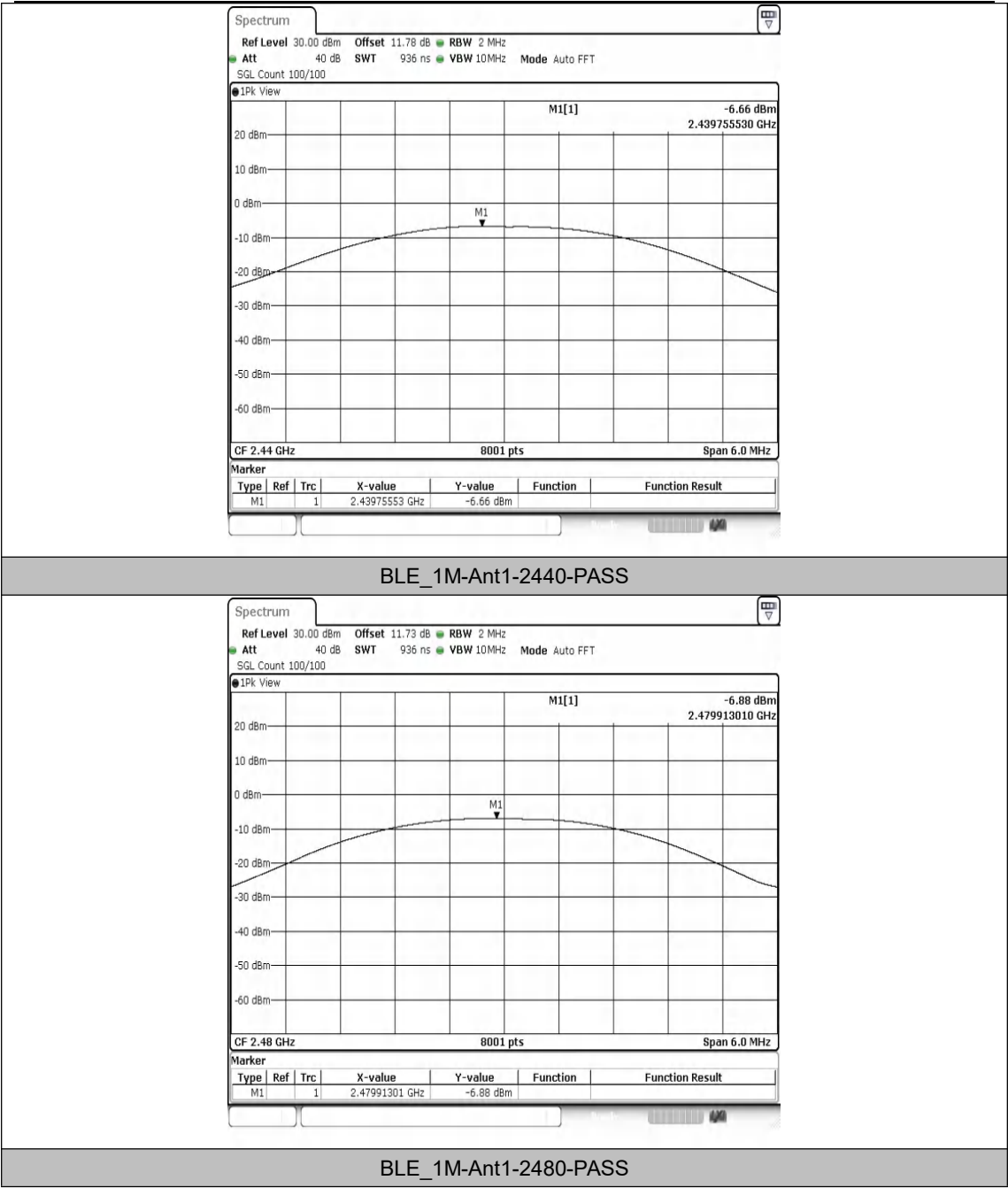
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-5.79	≤30	PASS
BLE_1M	Ant1	2440	-6.66	≤30	PASS
BLE_1M	Ant1	2480	-6.88	≤30	PASS
BLE_2M	Ant1	2402	-6.20	≤30	PASS
BLE_2M	Ant1	2440	-6.68	≤30	PASS
BLE_2M	Ant1	2480	-6.81	≤30	PASS

Test Graphs Peak



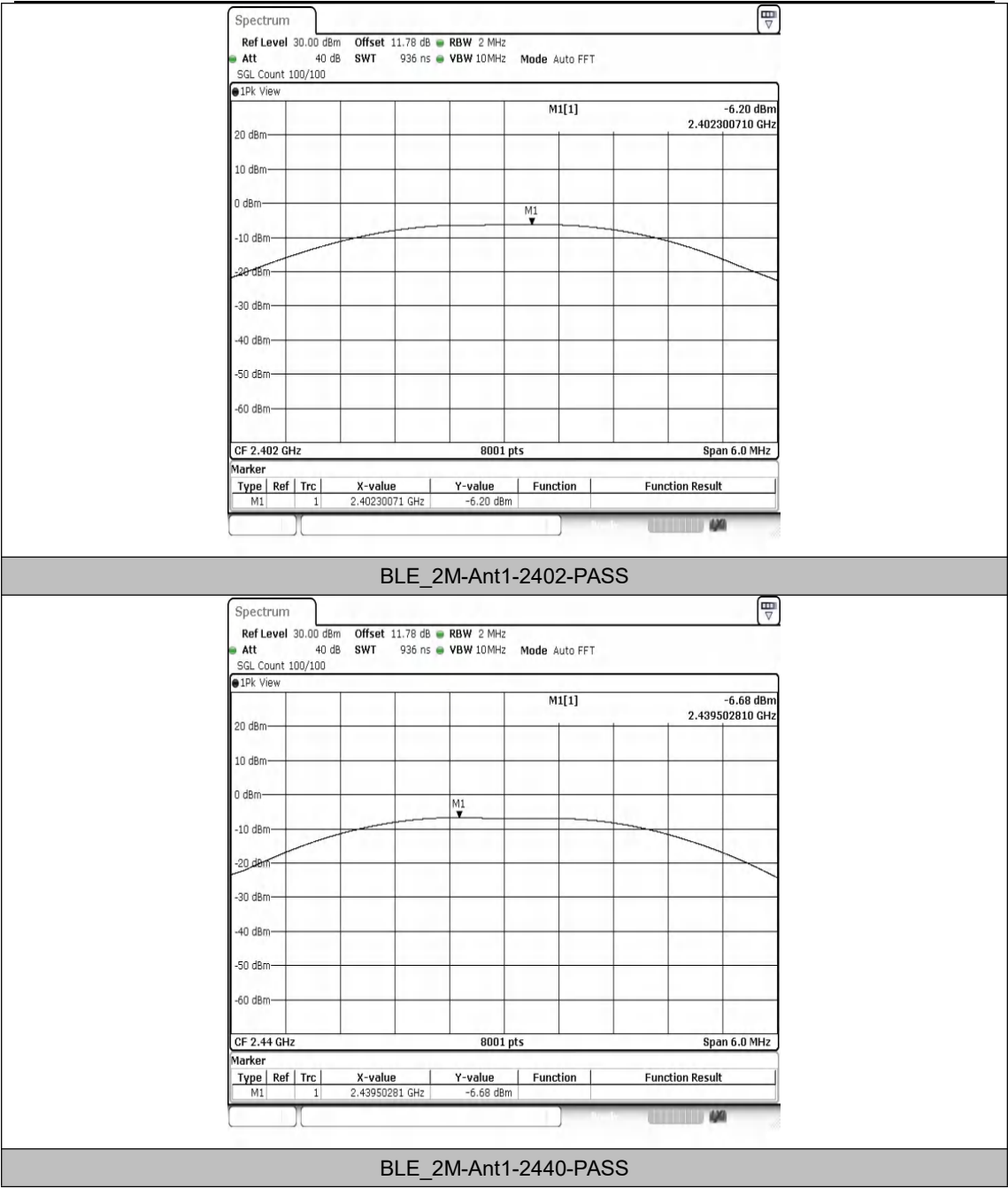


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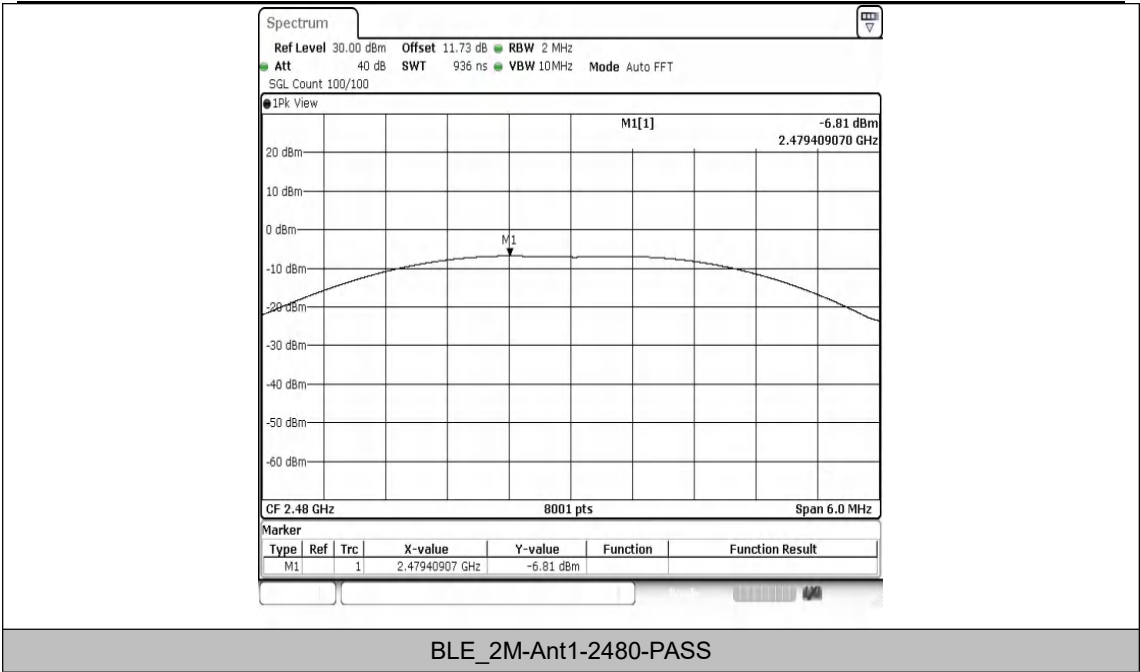


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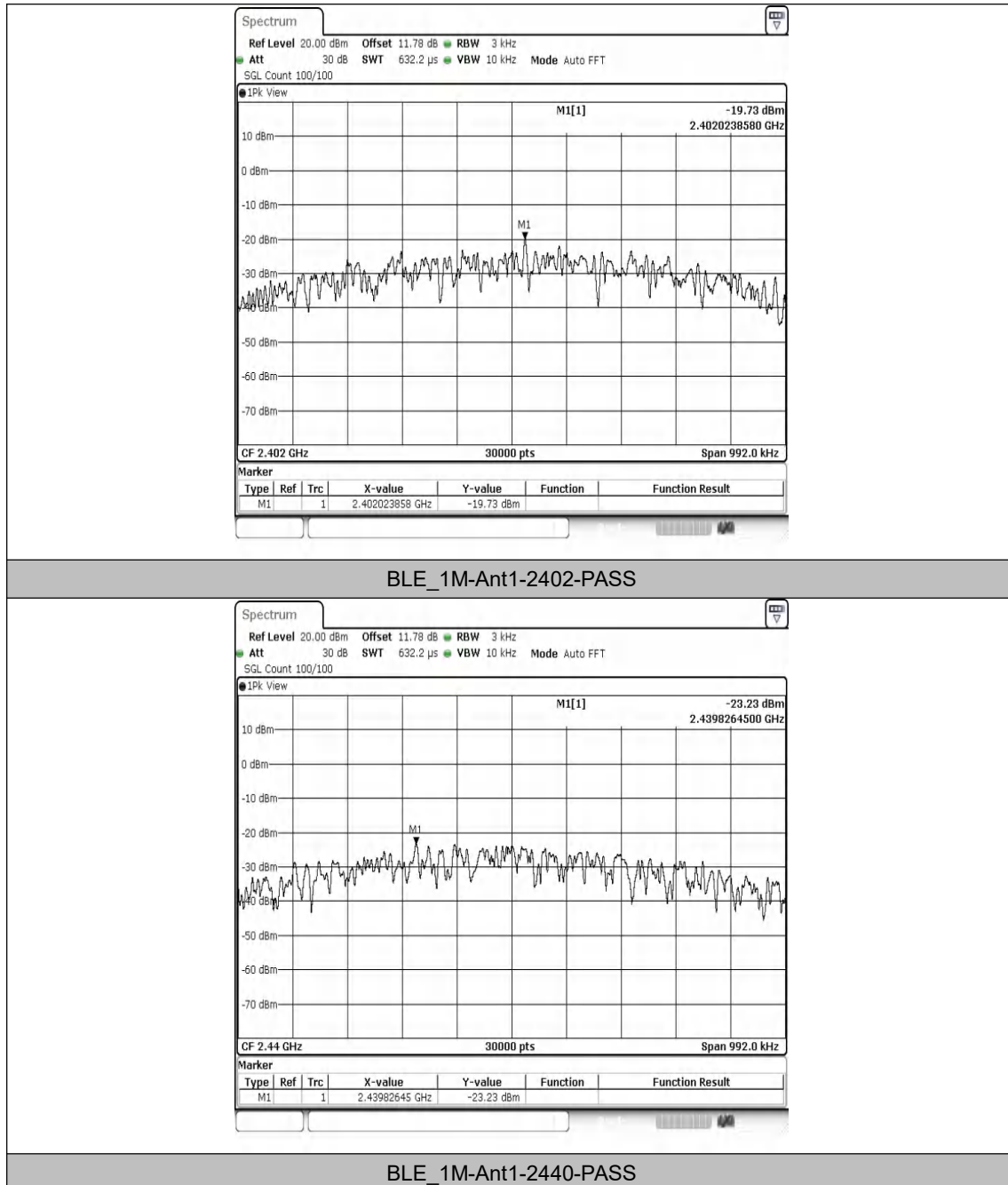
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-19.73	≤8.00	PASS
BLE_1M	Ant1	2440	-23.23	≤8.00	PASS
BLE_1M	Ant1	2480	-22.45	≤8.00	PASS
BLE_2M	Ant1	2402	-24.71	≤8.00	PASS
BLE_2M	Ant1	2440	-23.95	≤8.00	PASS
BLE_2M	Ant1	2480	-24.55	≤8.00	PASS



Test Graphs

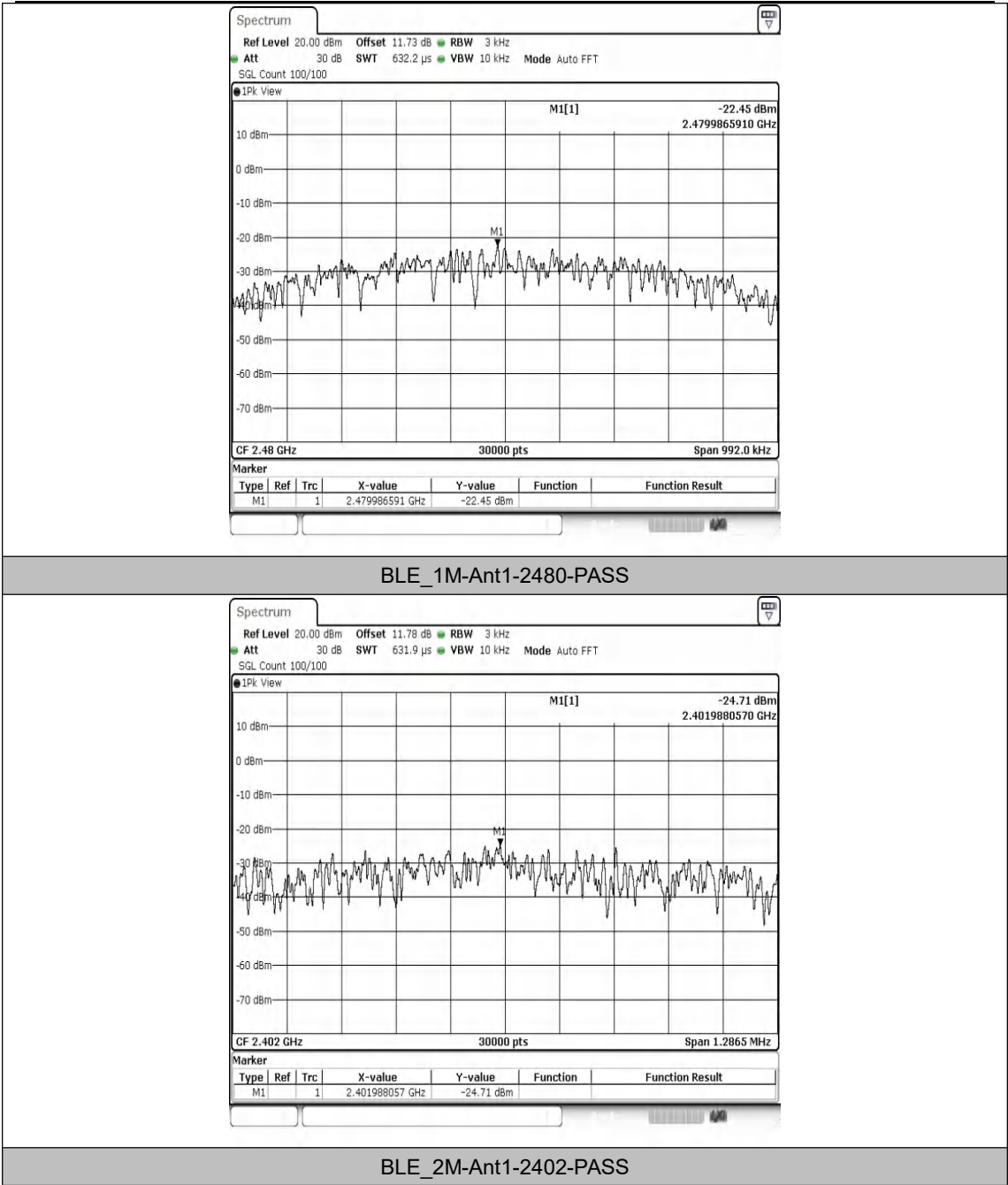


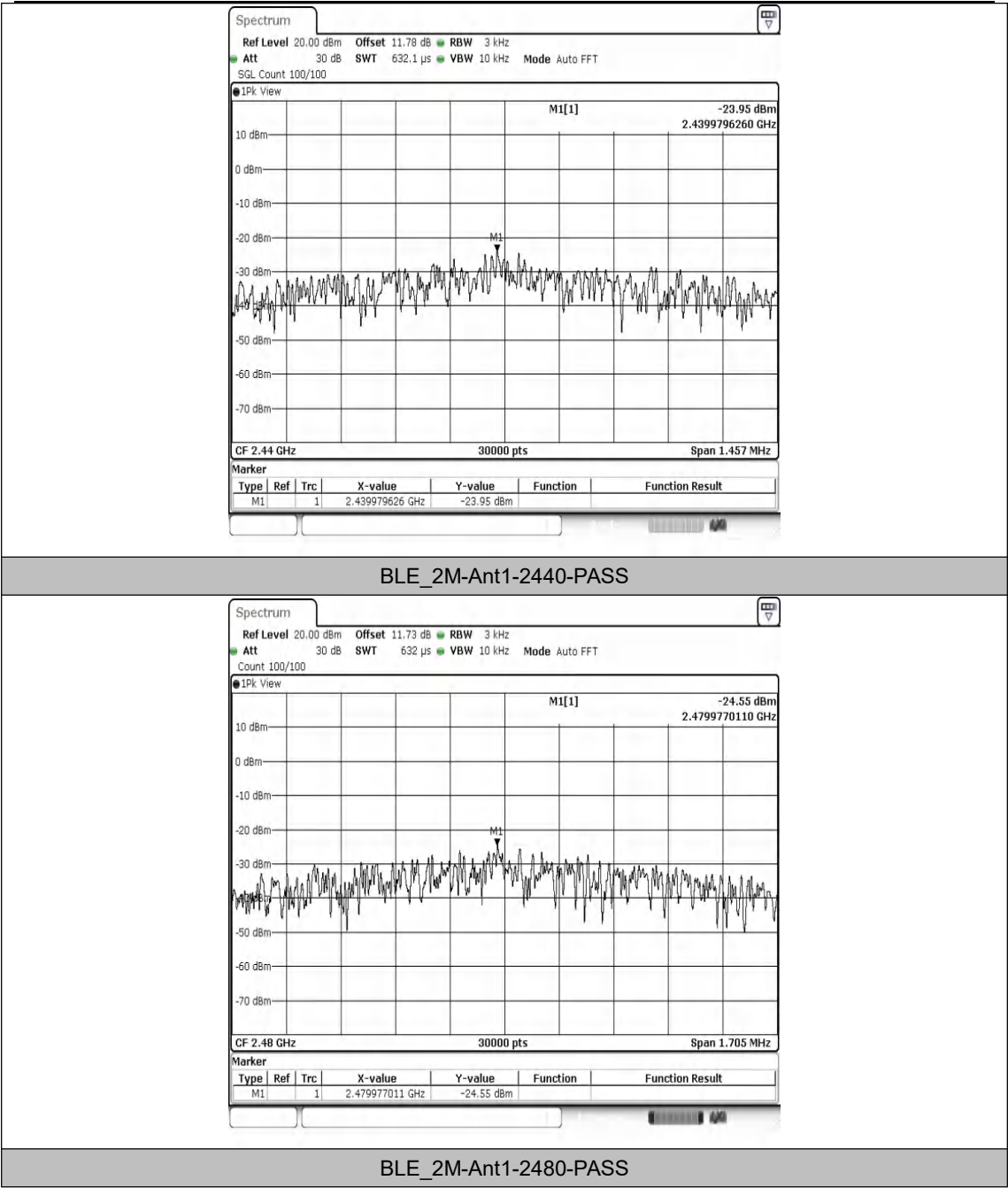
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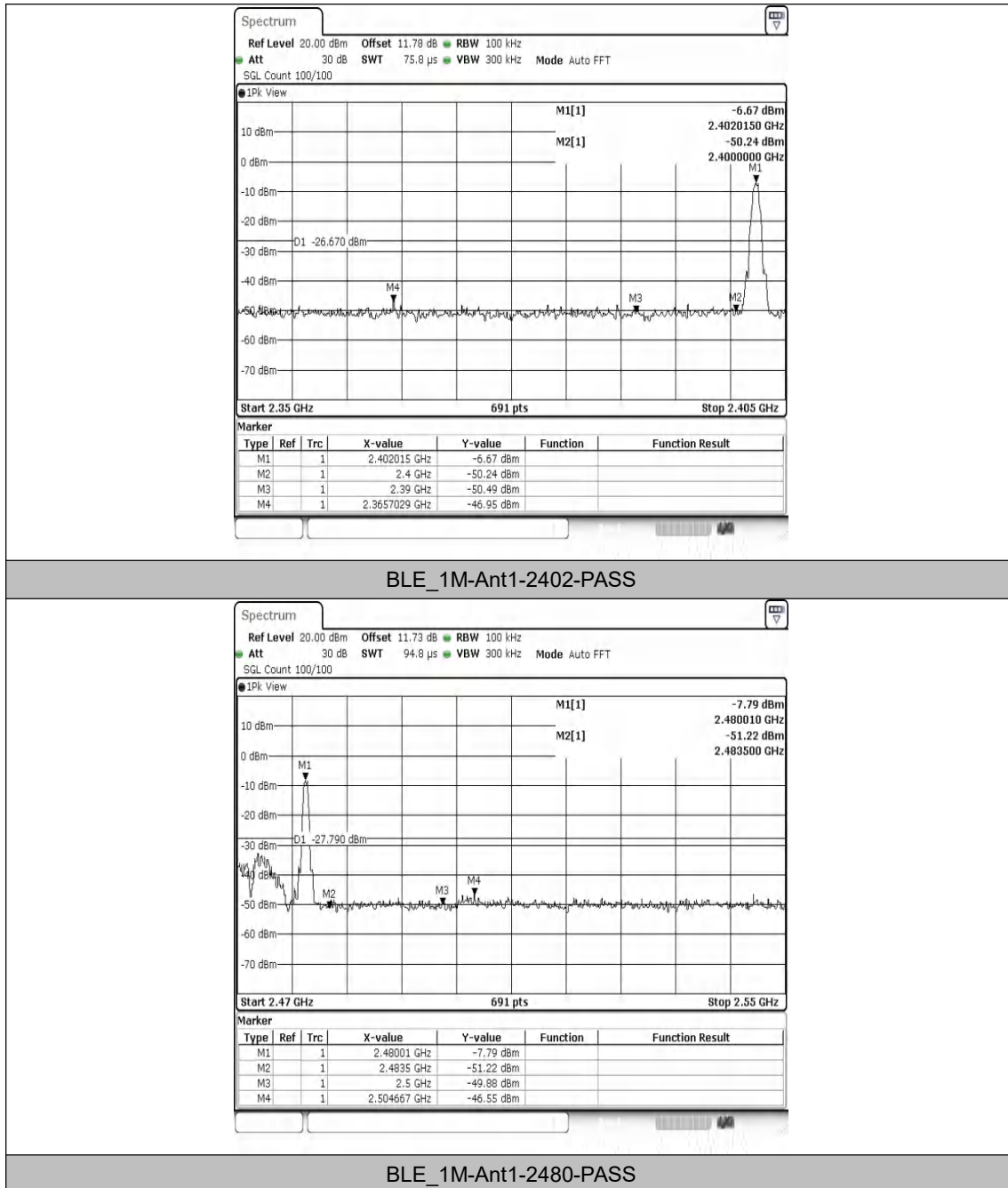
Appendix E: Band edge measurements

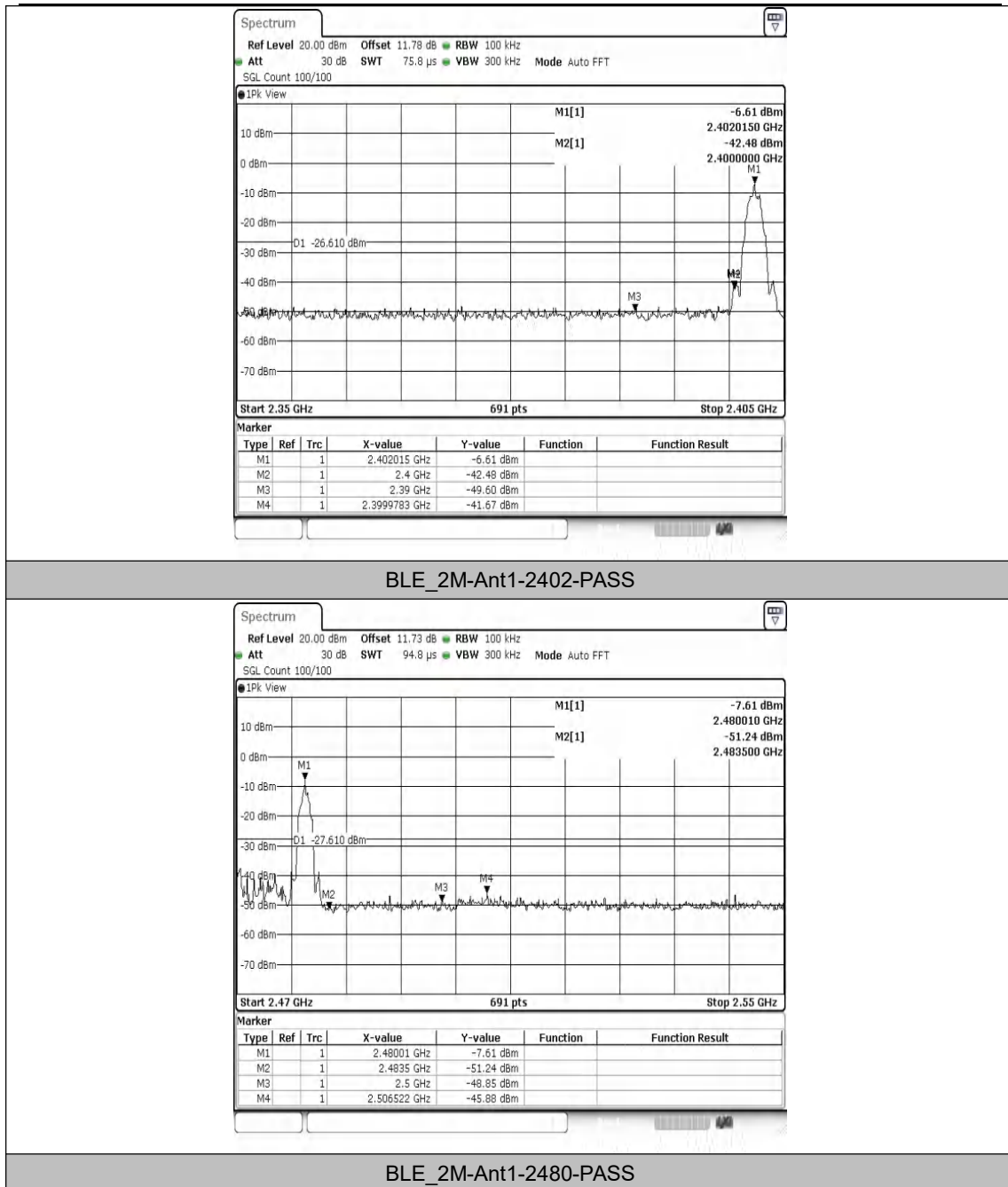
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-6.67	-46.95	≤-26.67	PASS
BLE_1M	Ant1	High	2480	-7.79	-46.55	≤-27.79	PASS
BLE_2M	Ant1	Low	2402	-6.61	-41.67	≤-26.61	PASS
BLE_2M	Ant1	High	2480	-7.61	-45.88	≤-27.61	PASS



Test Graphs





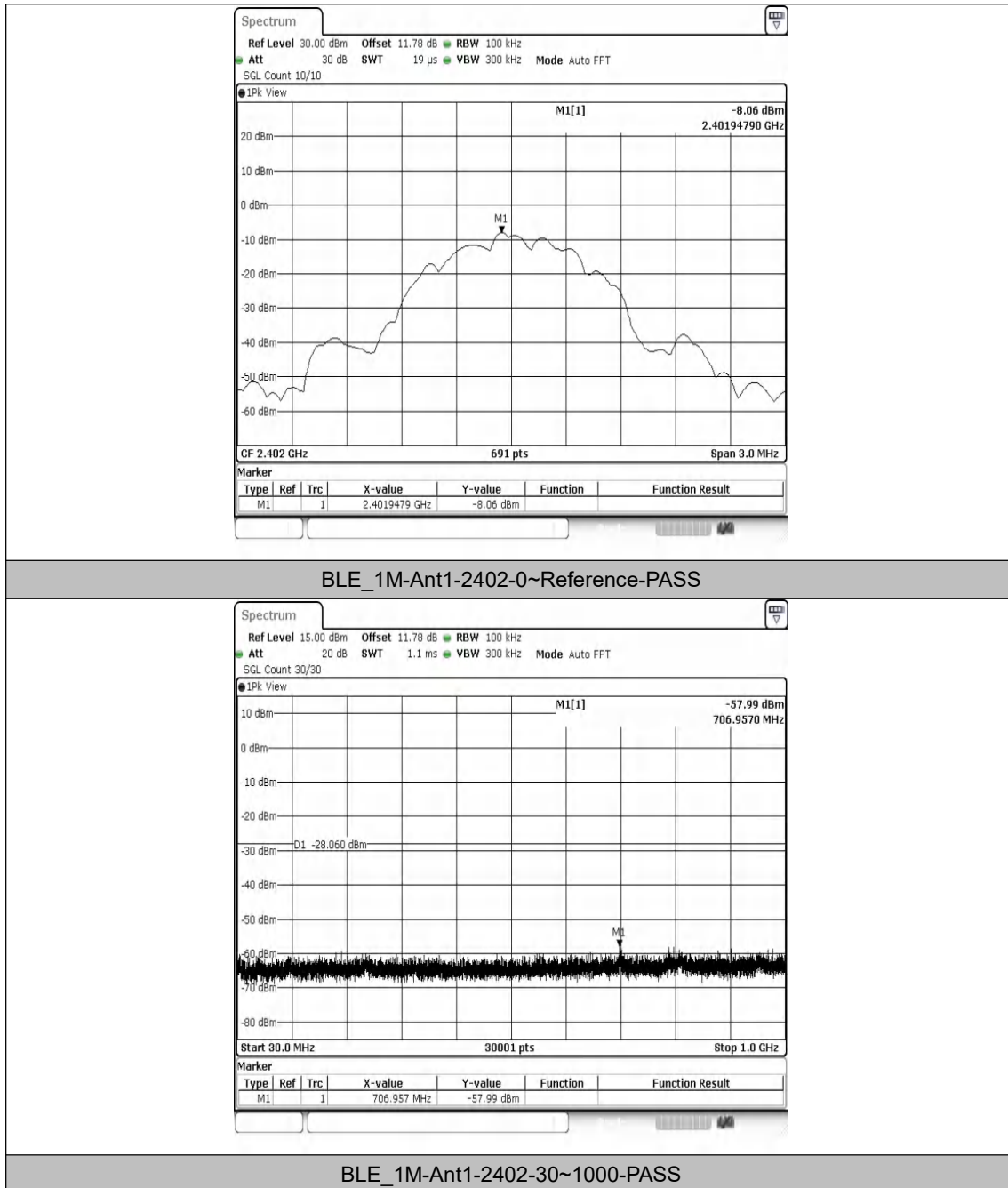
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-8.06	-8.06	---	PASS
BLE_1M	Ant1	2402	30~1000	-8.06	-57.99	≤-28.06	PASS
BLE_1M	Ant1	2402	1000~26500	-8.06	-42.98	≤-28.06	PASS
BLE_1M	Ant1	2440	0~Reference	-9.18	-9.18	---	PASS
BLE_1M	Ant1	2440	30~1000	-9.18	-58.13	≤-29.18	PASS
BLE_1M	Ant1	2440	1000~26500	-9.18	-44.07	≤-29.18	PASS
BLE_1M	Ant1	2480	0~Reference	-9.31	-9.31	---	PASS
BLE_1M	Ant1	2480	30~1000	-9.31	-58.24	≤-29.31	PASS
BLE_1M	Ant1	2480	1000~26500	-9.31	-44.26	≤-29.31	PASS
BLE_2M	Ant1	2402	0~Reference	-7.85	-7.85	---	PASS
BLE_2M	Ant1	2402	30~1000	-7.85	-57.61	≤-27.85	PASS
BLE_2M	Ant1	2402	1000~26500	-7.85	-44.35	≤-27.85	PASS
BLE_2M	Ant1	2440	0~Reference	-7.30	-7.30	---	PASS
BLE_2M	Ant1	2440	30~1000	-7.30	-58.89	≤-27.3	PASS
BLE_2M	Ant1	2440	1000~26500	-7.30	-43.88	≤-27.3	PASS
BLE_2M	Ant1	2480	0~Reference	-8.93	-8.93	---	PASS
BLE_2M	Ant1	2480	30~1000	-8.93	-58.21	≤-28.93	PASS
BLE_2M	Ant1	2480	1000~26500	-8.93	-44.32	≤-28.93	PASS



Test Graphs

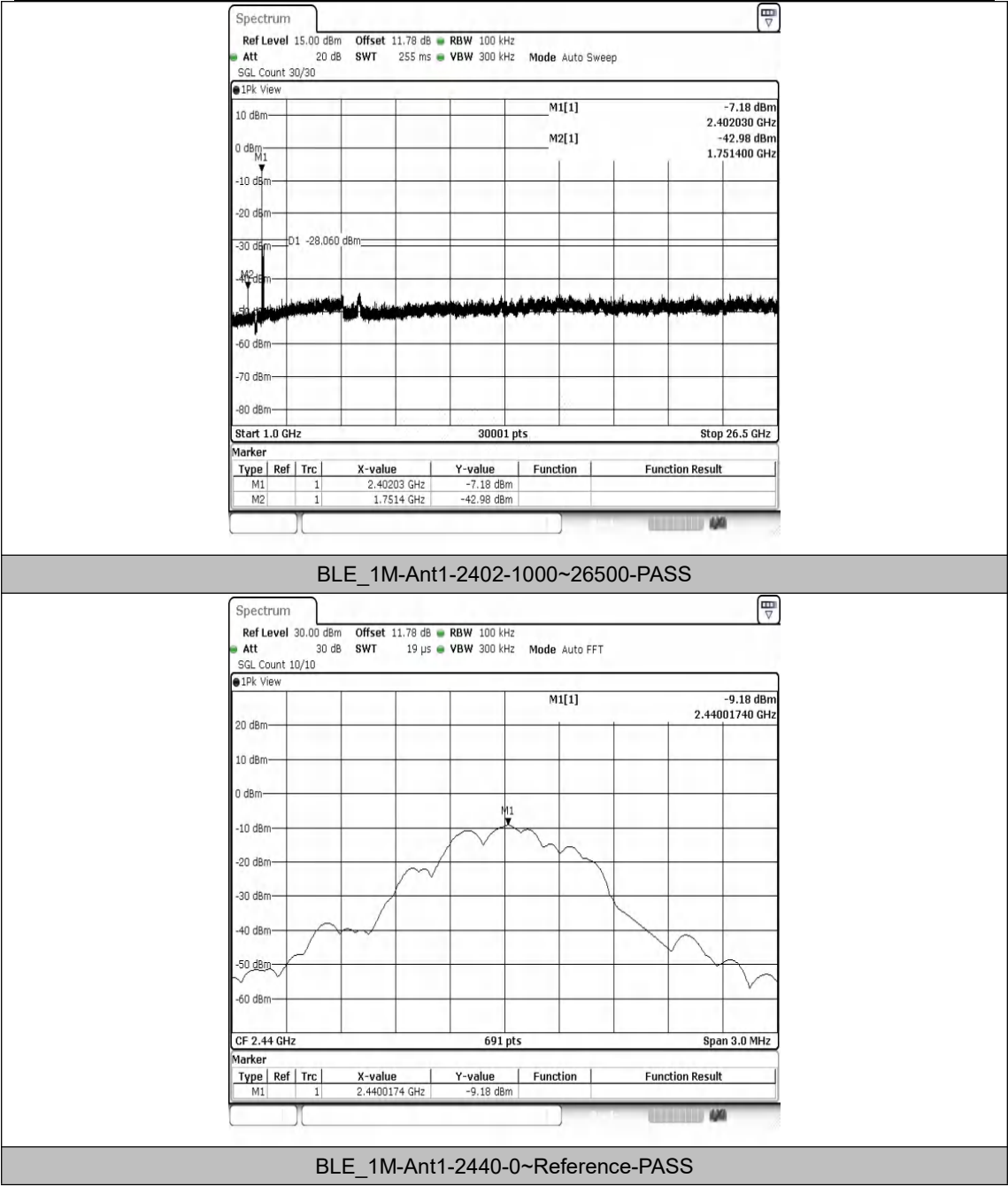


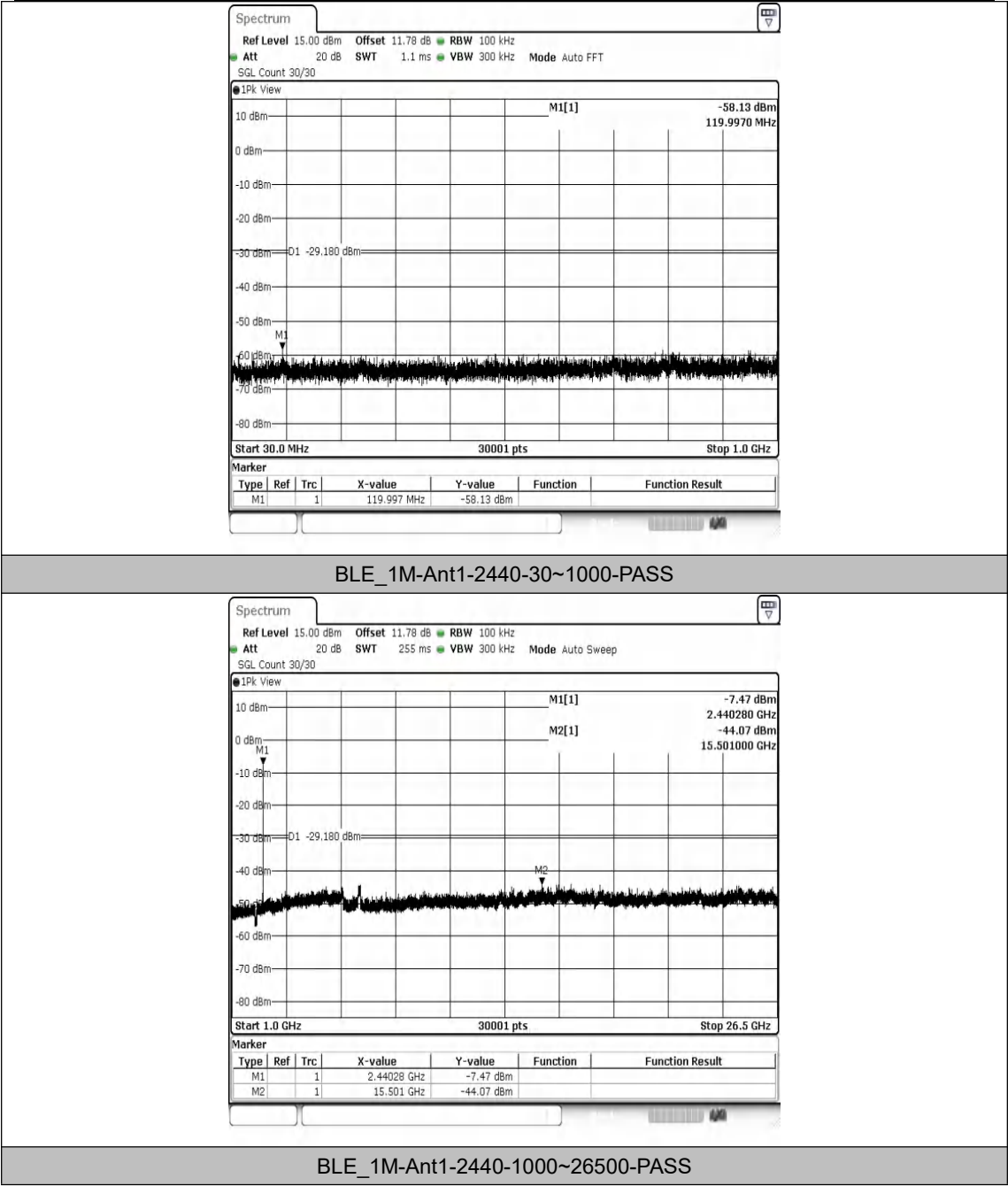
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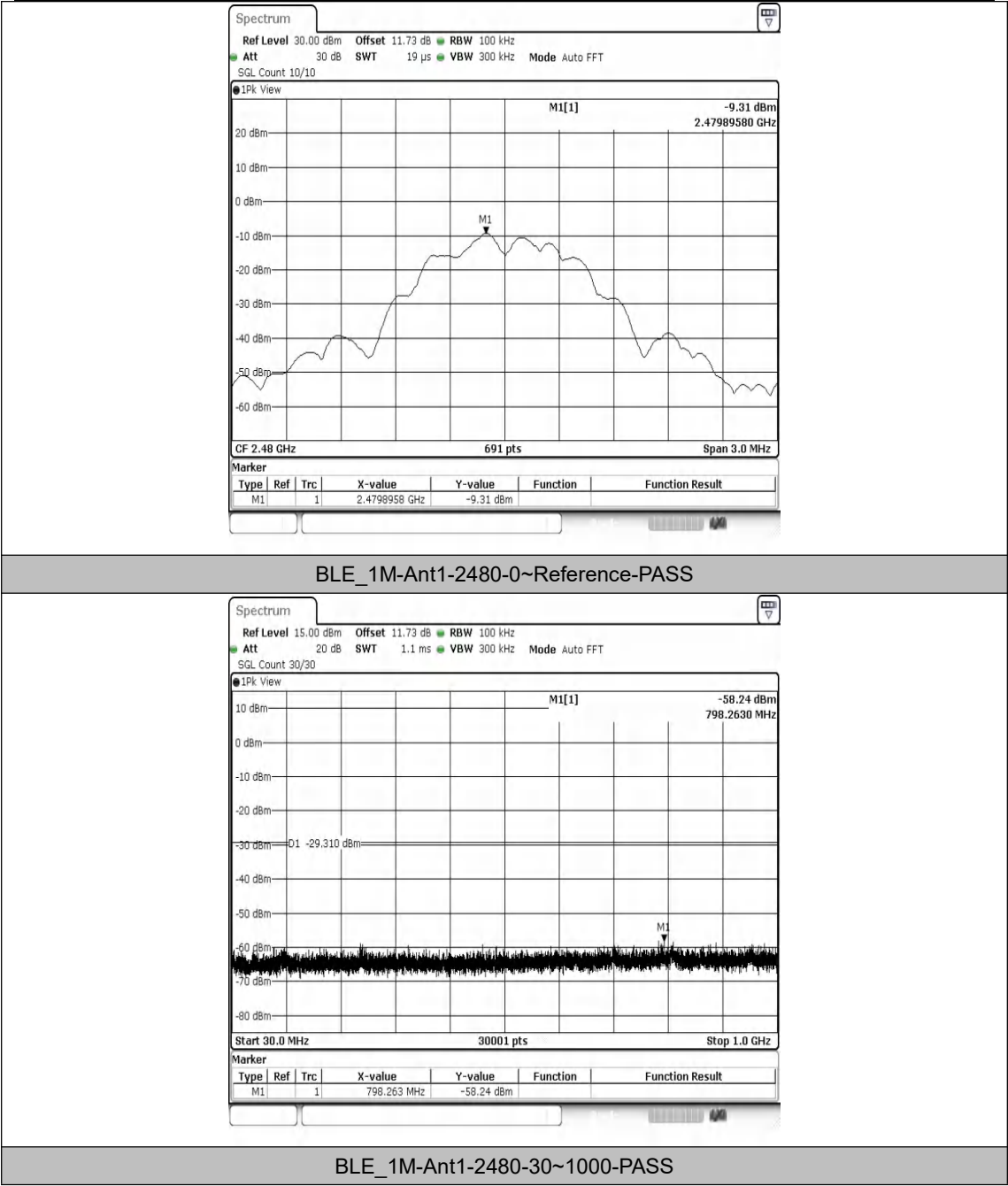
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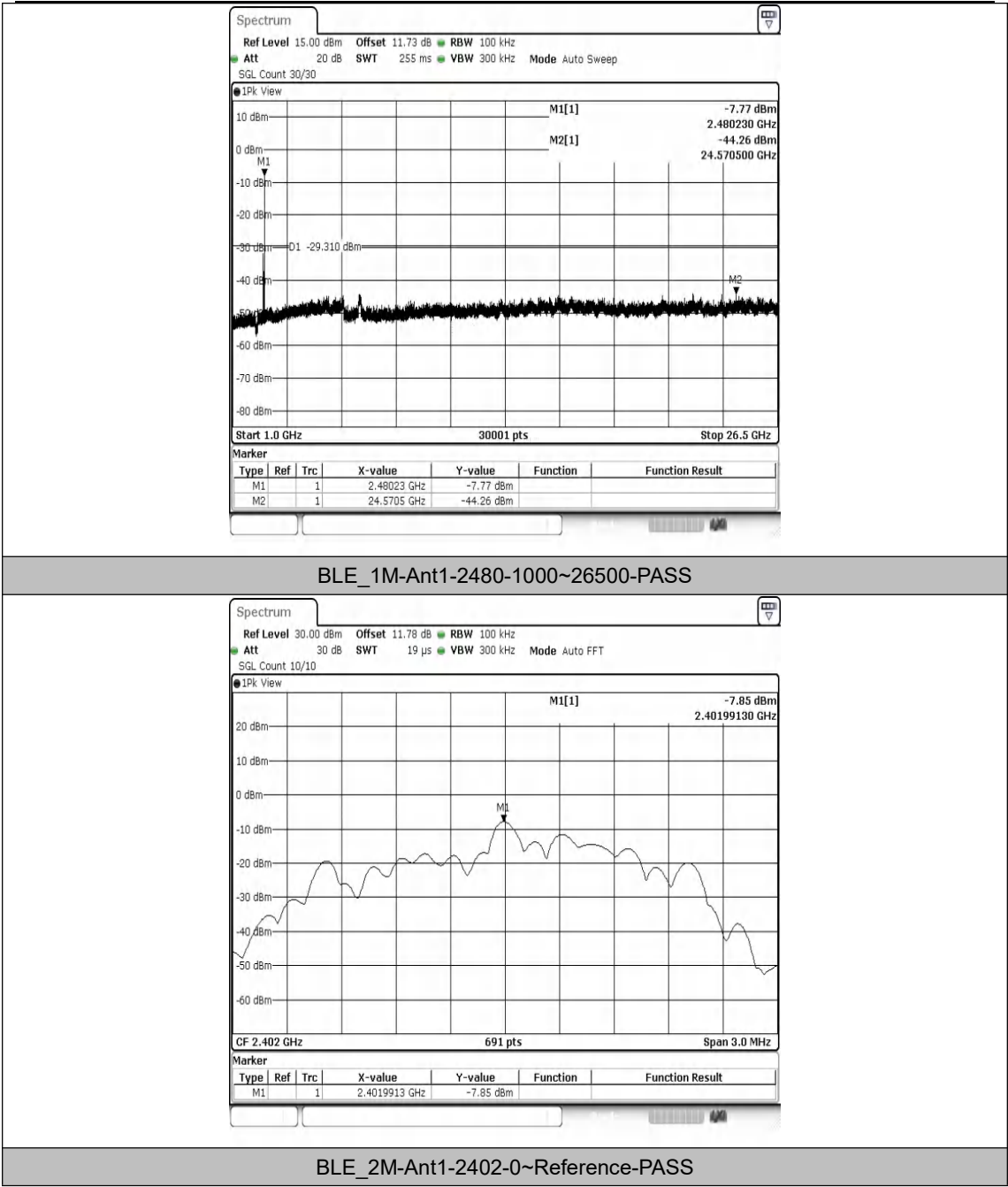
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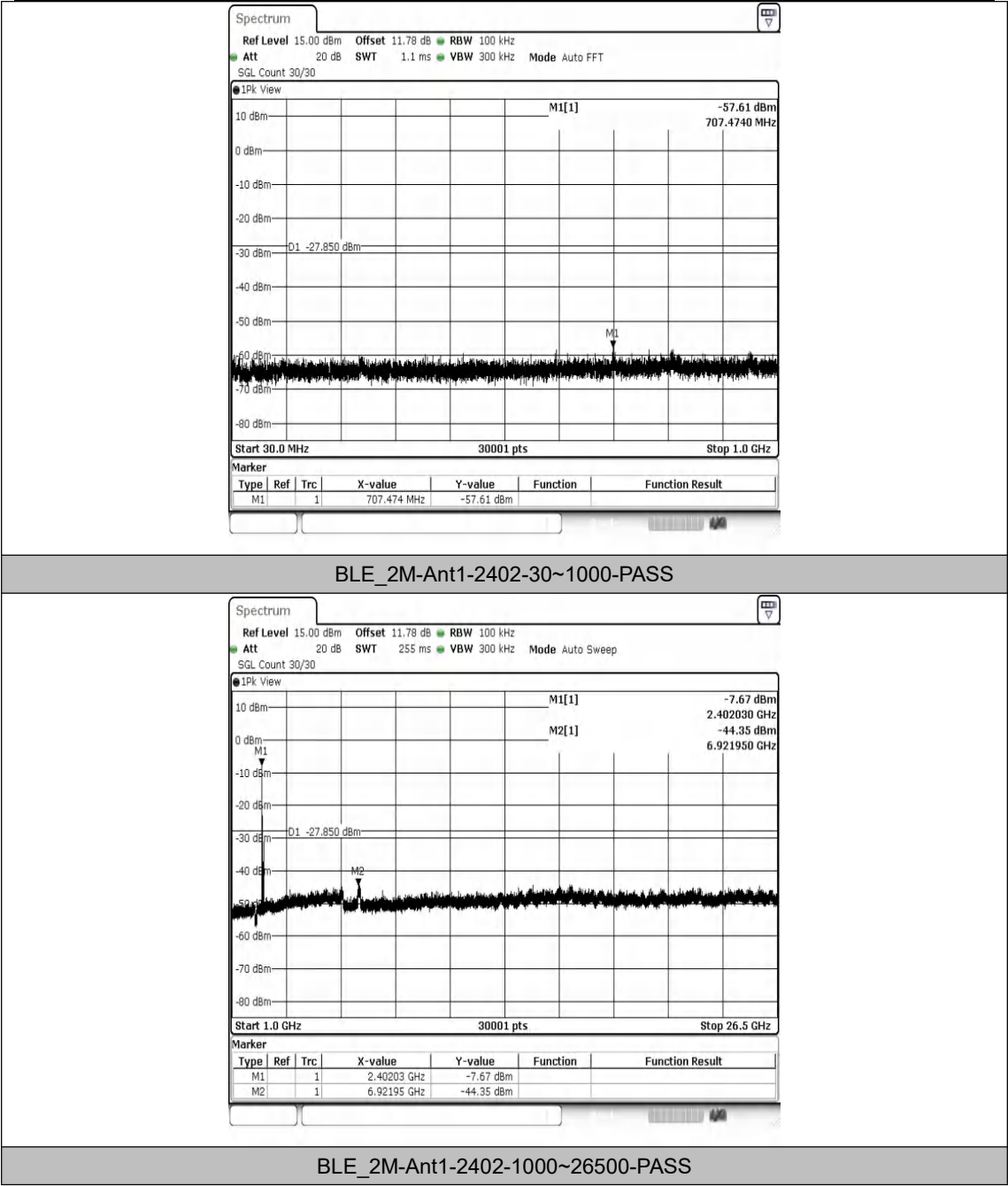


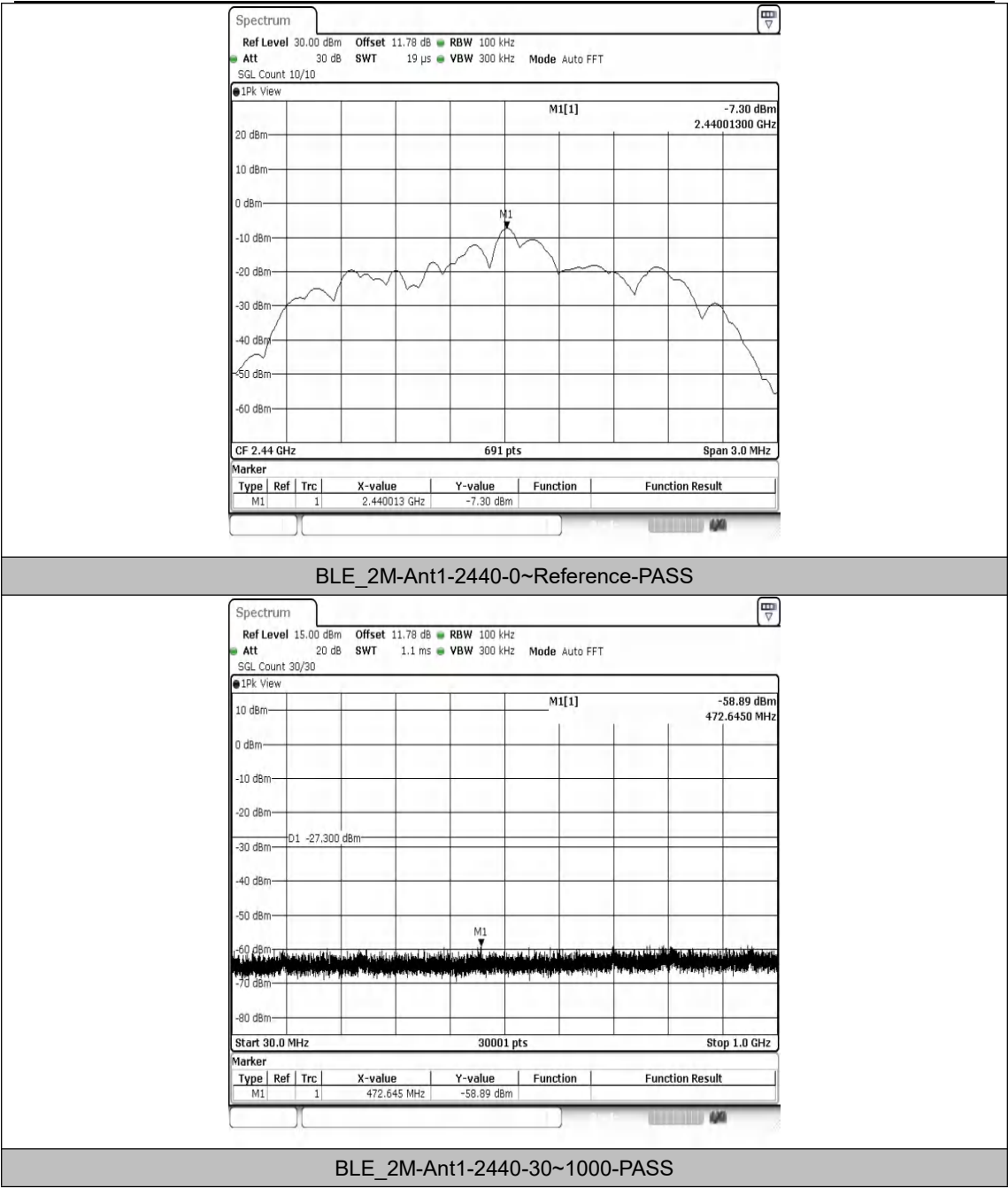


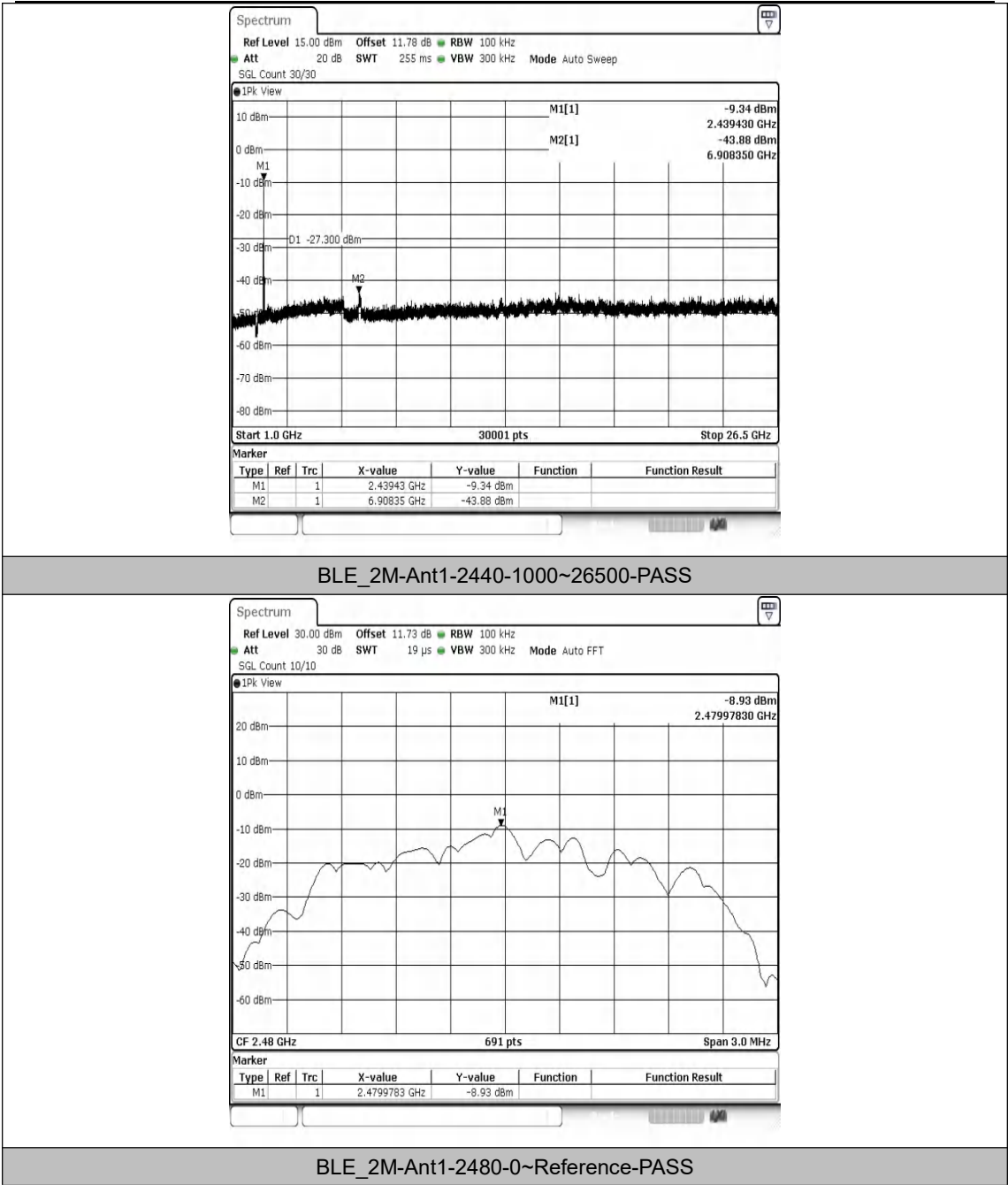


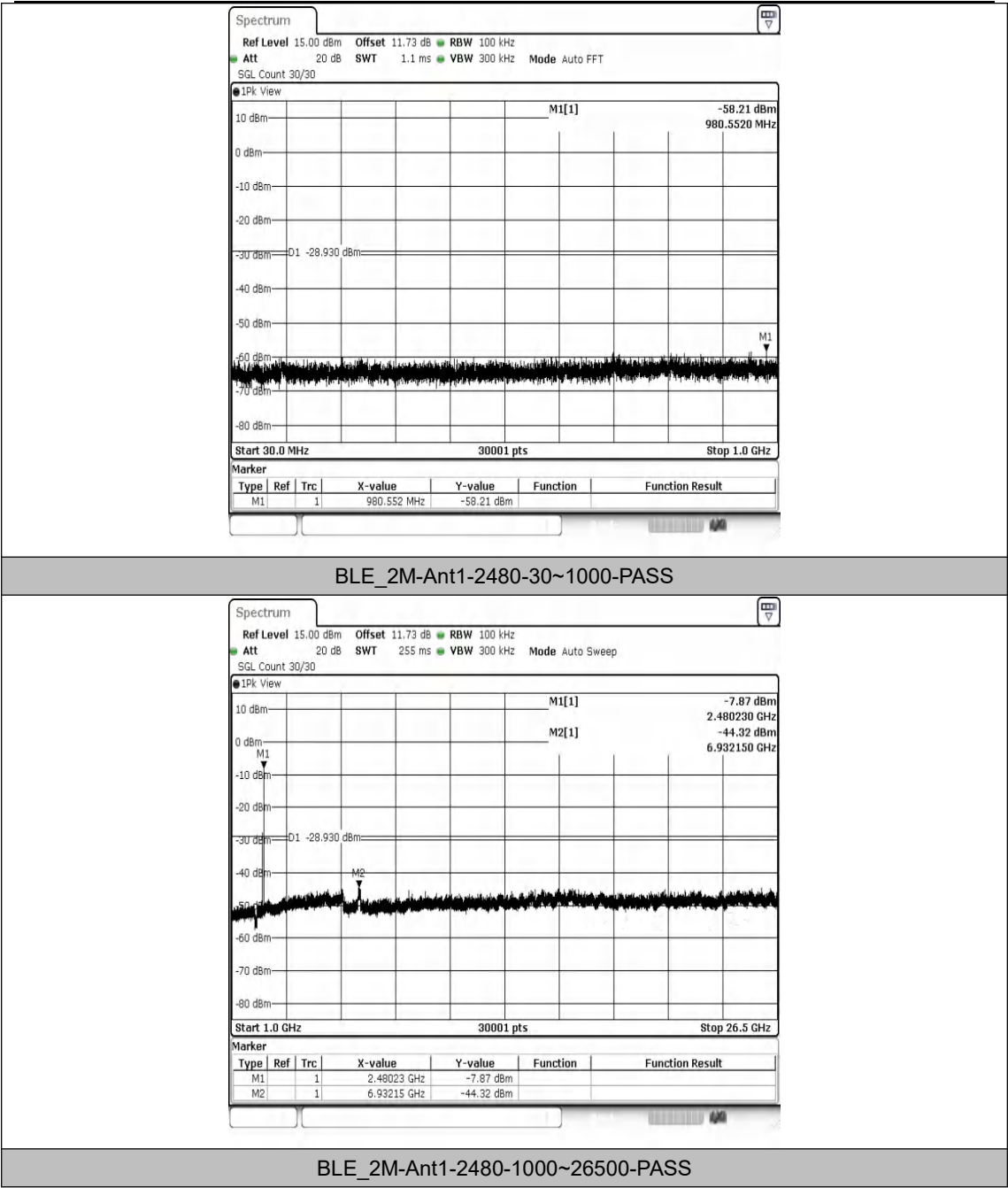












Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.41	0.62	66.13	1.80
BLE_1M	Ant1	2440	0.41	0.62	66.13	1.80
BLE_1M	Ant1	2480	0.41	0.62	66.13	1.80
BLE_2M	Ant1	2402	0.23	0.63	36.51	4.38
BLE_2M	Ant1	2440	0.23	0.63	36.51	4.38
BLE_2M	Ant1	2480	0.23	0.63	36.51	4.38

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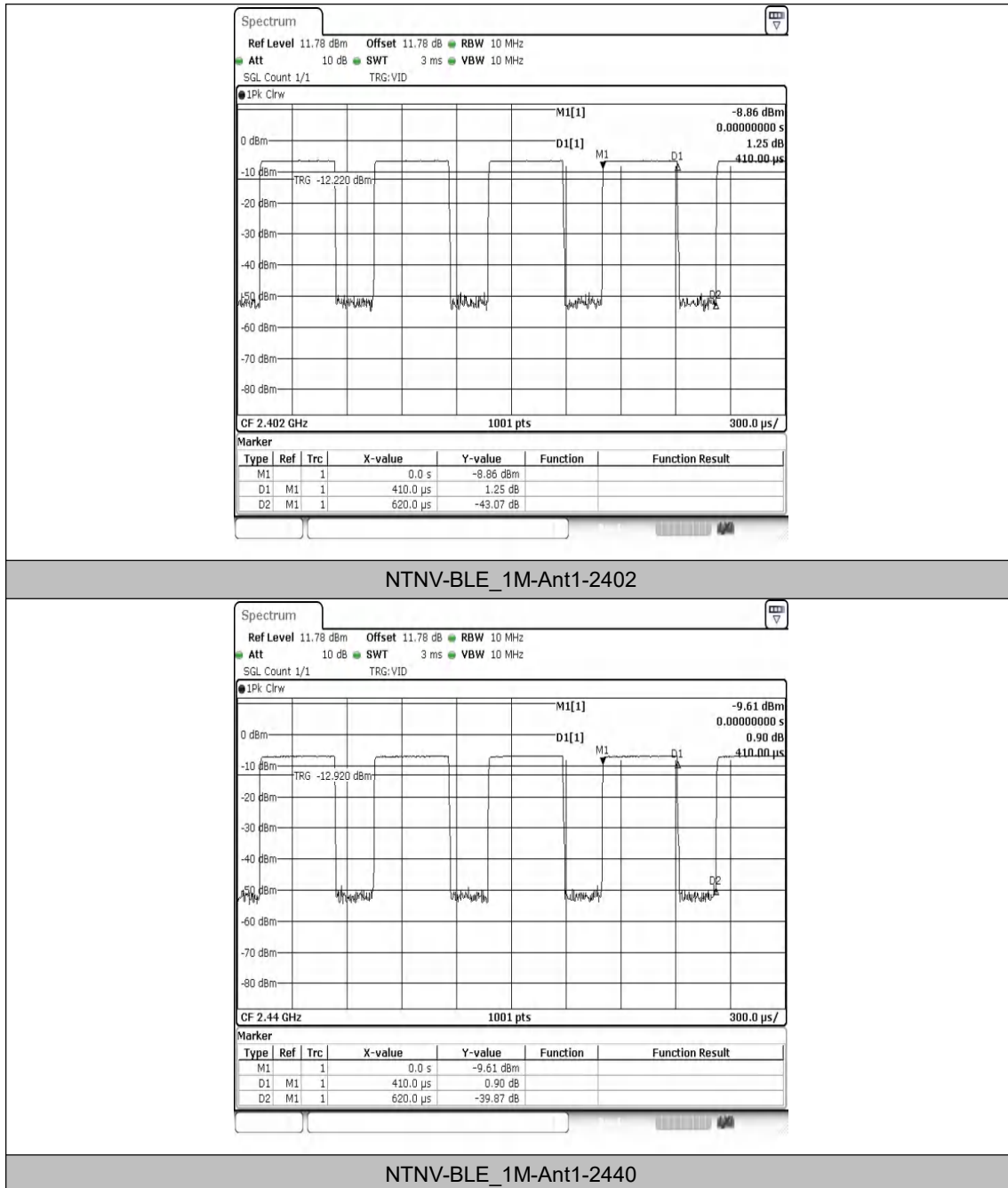
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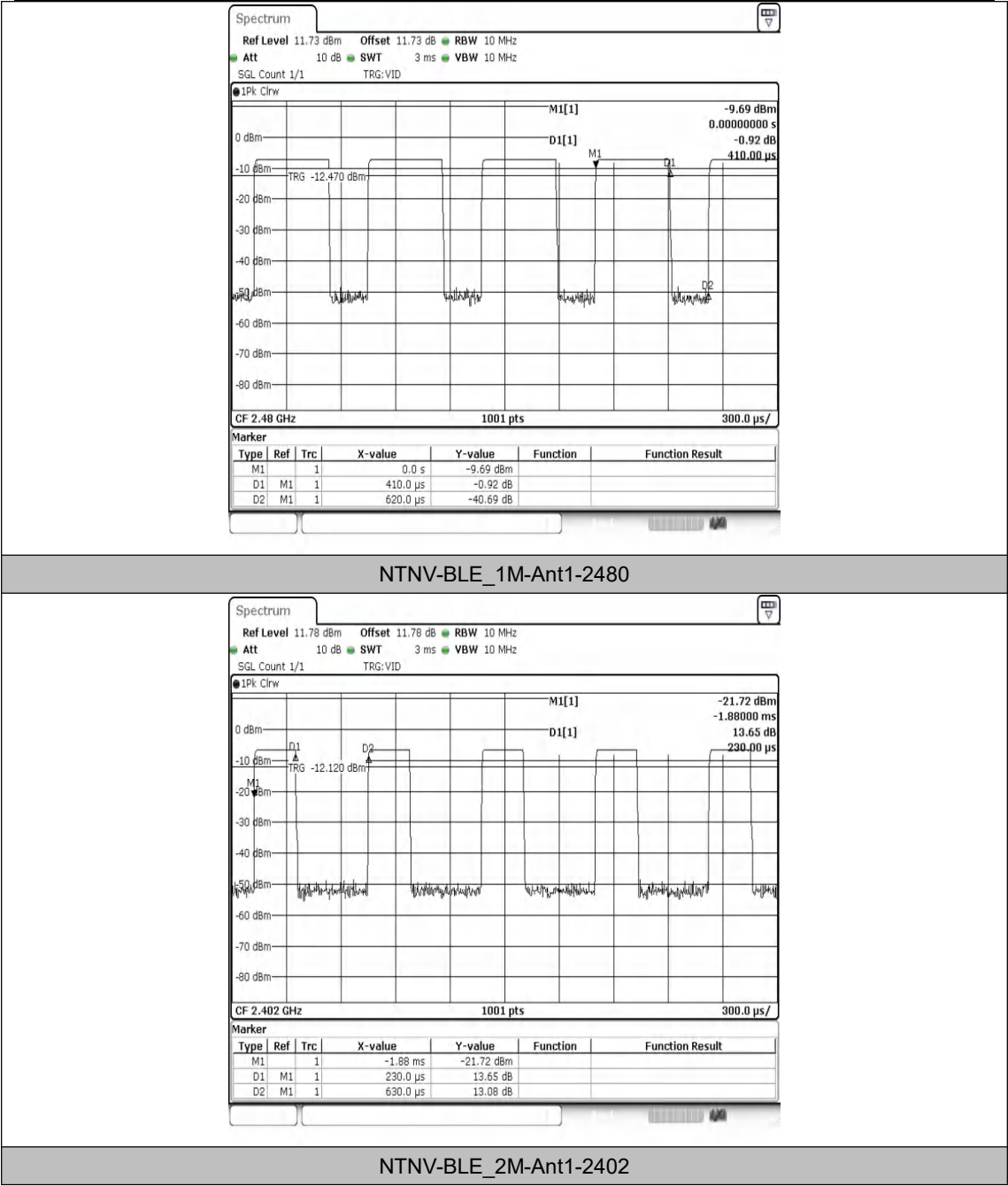


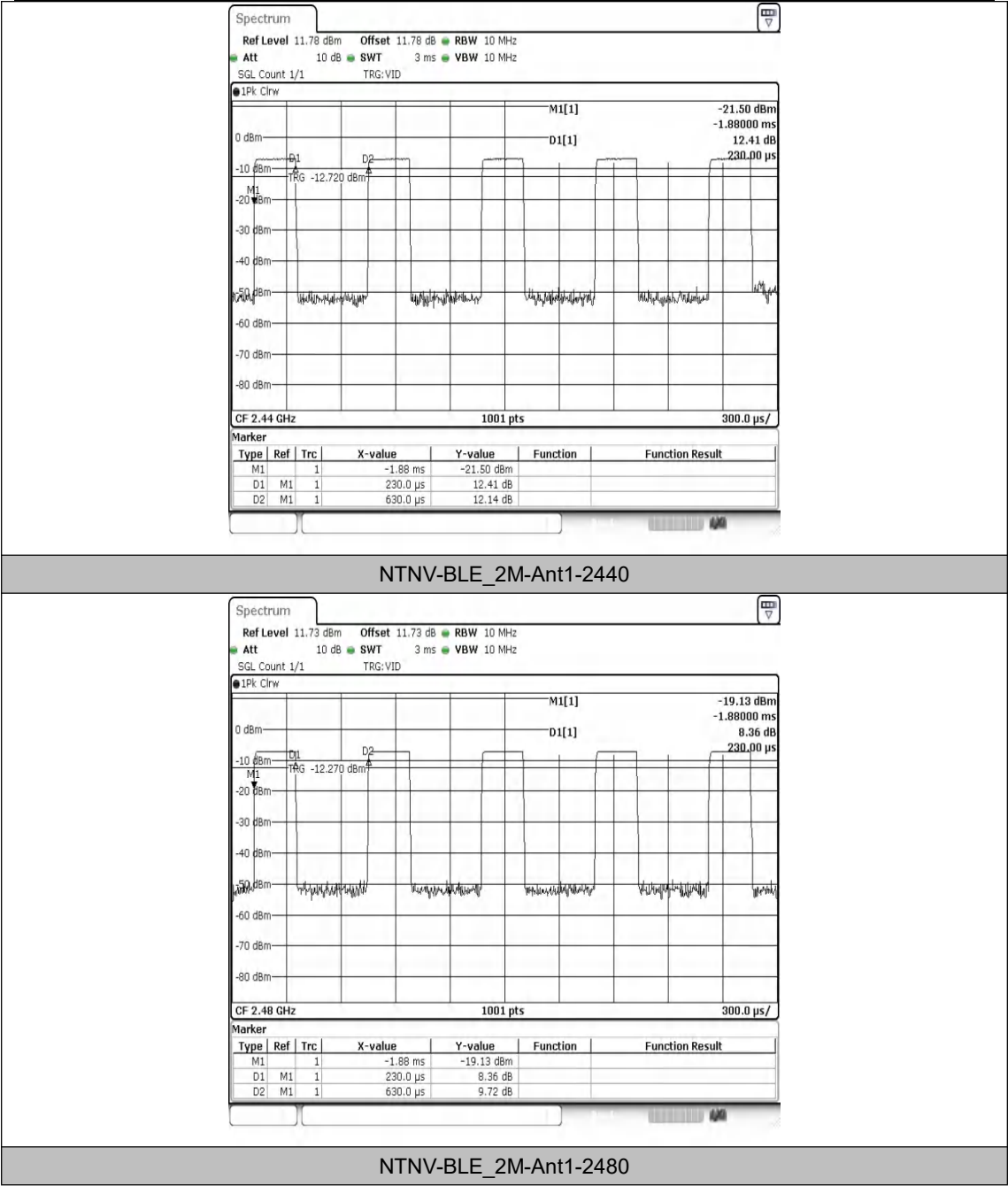
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Test Graphs







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