

Appendix Test Data

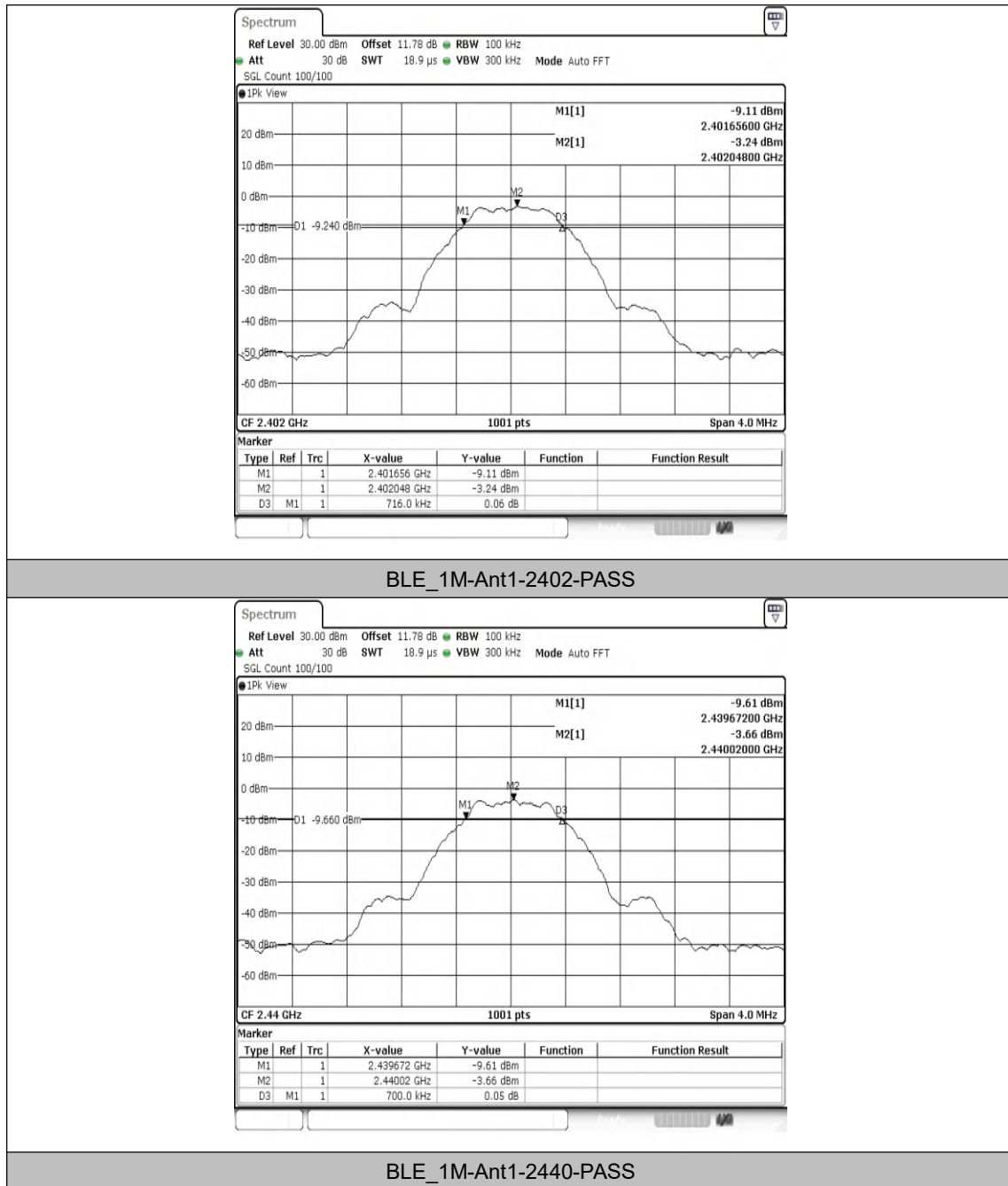
Report No.:	1812C50084212501	Test Sample No.:	1-2-2
Start Test Date:	2025.3.11	Finish Test Date:	2025.3.12
Test Engineer:	Hu Sen Guan	Auditor:	Justin Feng
Temperature:	23.1°C	Relative Humidity:	42%
Pressure:	101kPa		

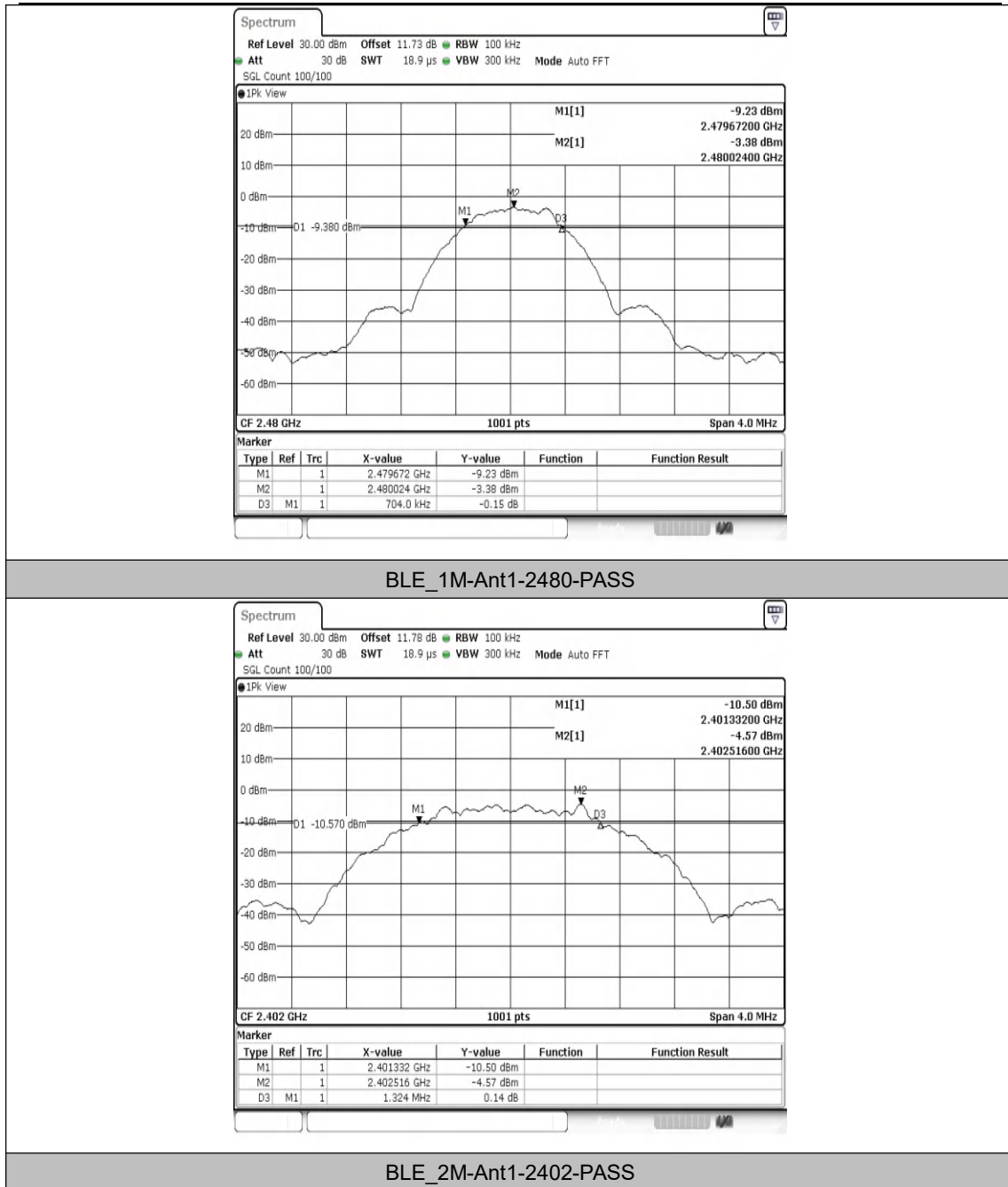
Appendix A: 6dB Bandwidth

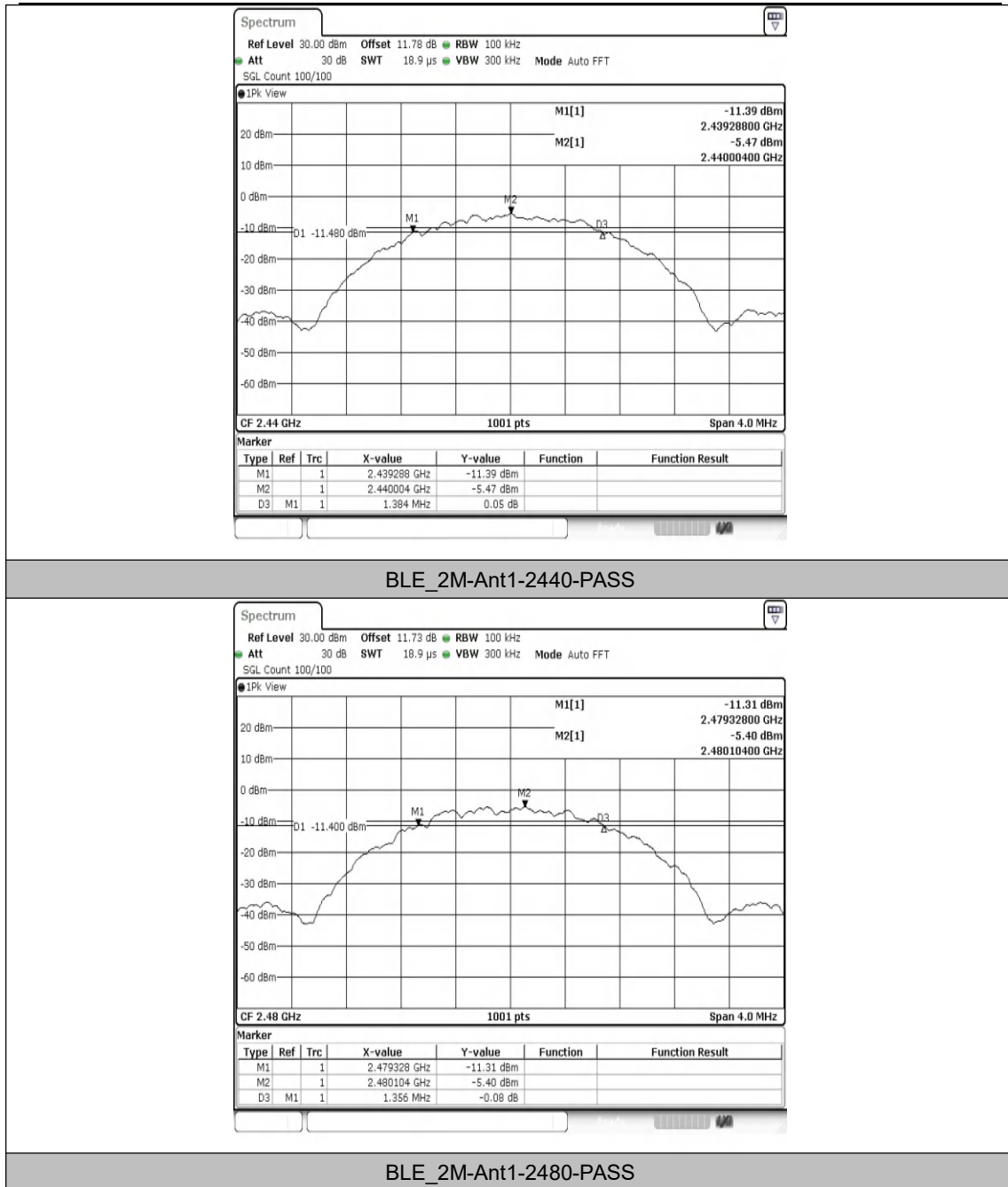
Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.72	2401.66	2402.37	0.5	PASS
BLE_1M	Ant1	2440	0.70	2439.67	2440.37	0.5	PASS
BLE_1M	Ant1	2480	0.70	2479.67	2480.38	0.5	PASS
BLE_2M	Ant1	2402	1.32	2401.33	2402.66	0.5	PASS
BLE_2M	Ant1	2440	1.38	2439.29	2440.67	0.5	PASS
BLE_2M	Ant1	2480	1.36	2479.33	2480.68	0.5	PASS

Test Graphs





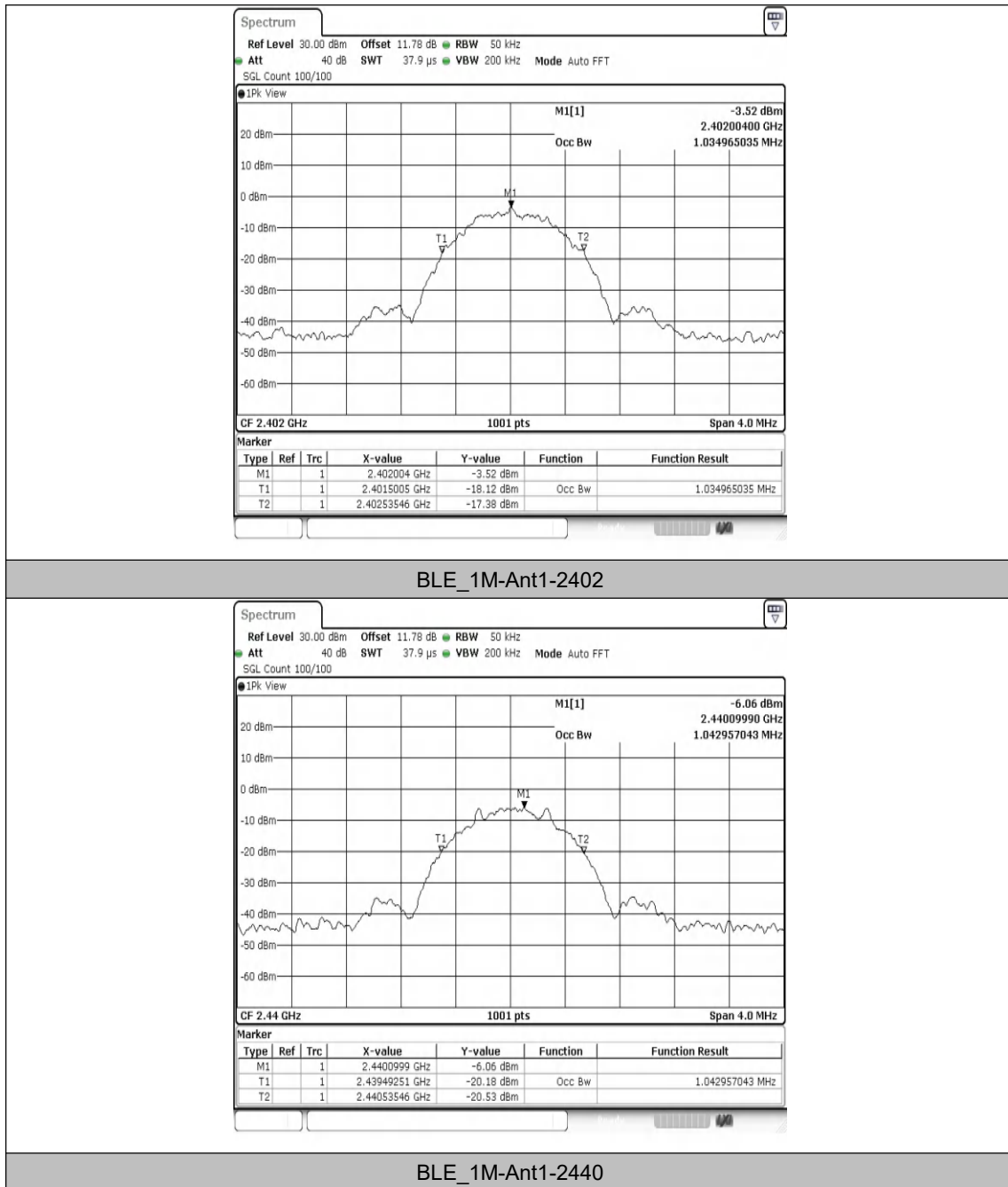


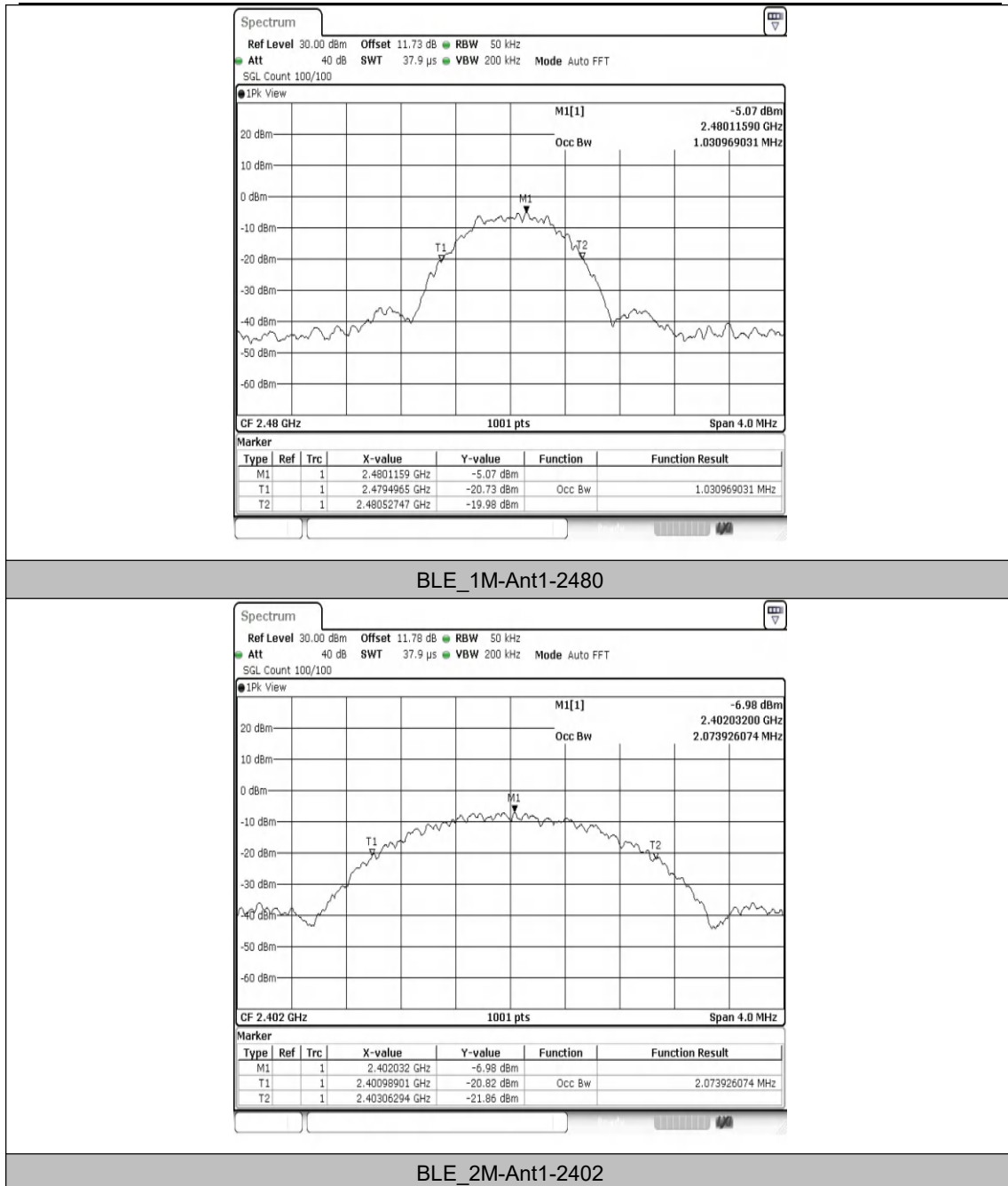
Appendix B: 99% Occupied Bandwidth

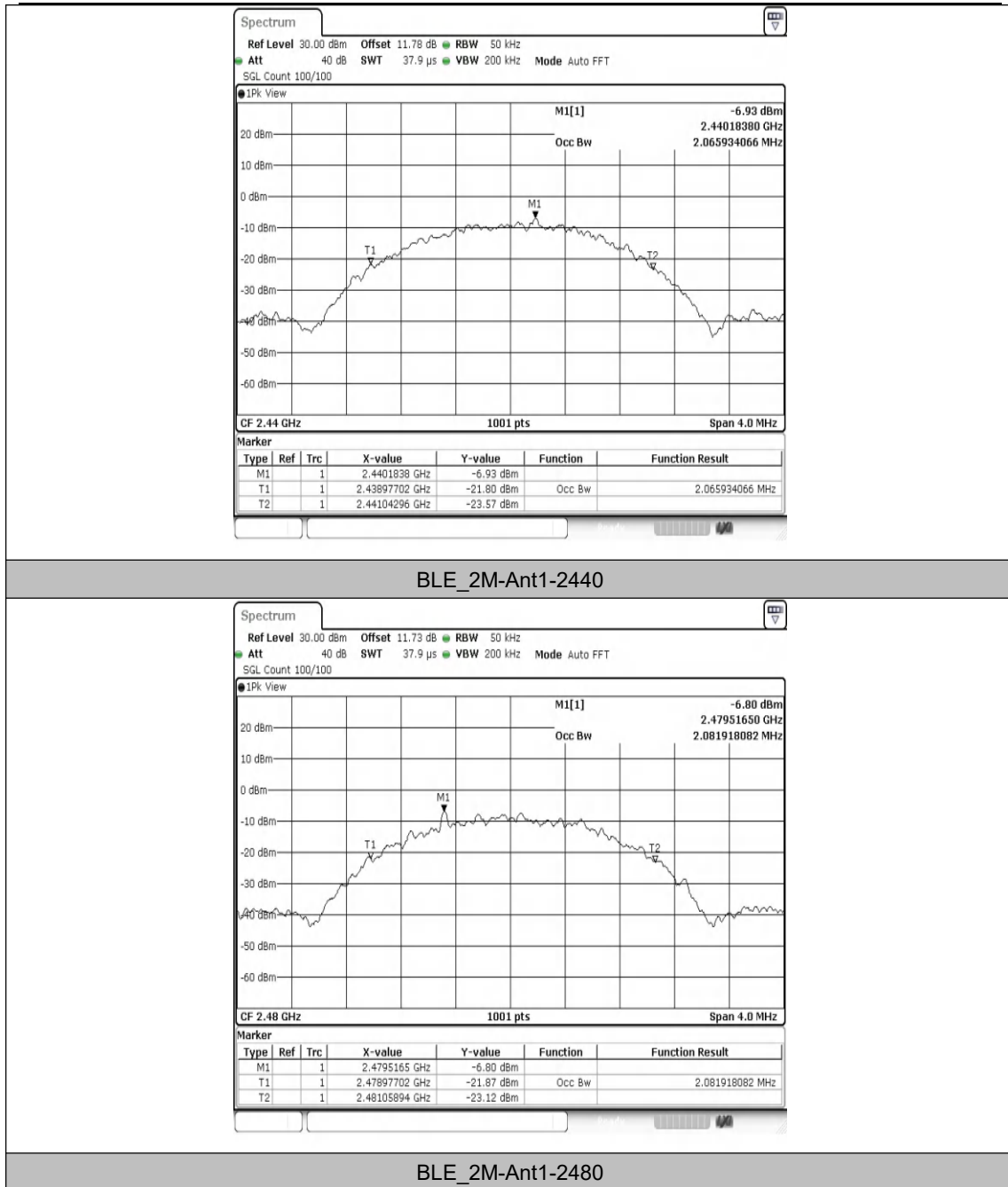
Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.035	2401.5005	2402.5355	---	---
BLE_1M	Ant1	2440	1.043	2439.4925	2440.5355	---	---
BLE_1M	Ant1	2480	1.031	2479.4965	2480.5275	---	---
BLE_2M	Ant1	2402	2.074	2400.9890	2403.0629	---	---
BLE_2M	Ant1	2440	2.066	2438.9770	2441.0430	---	---
BLE_2M	Ant1	2480	2.082	2478.9770	2481.0589	---	---

Test Graphs





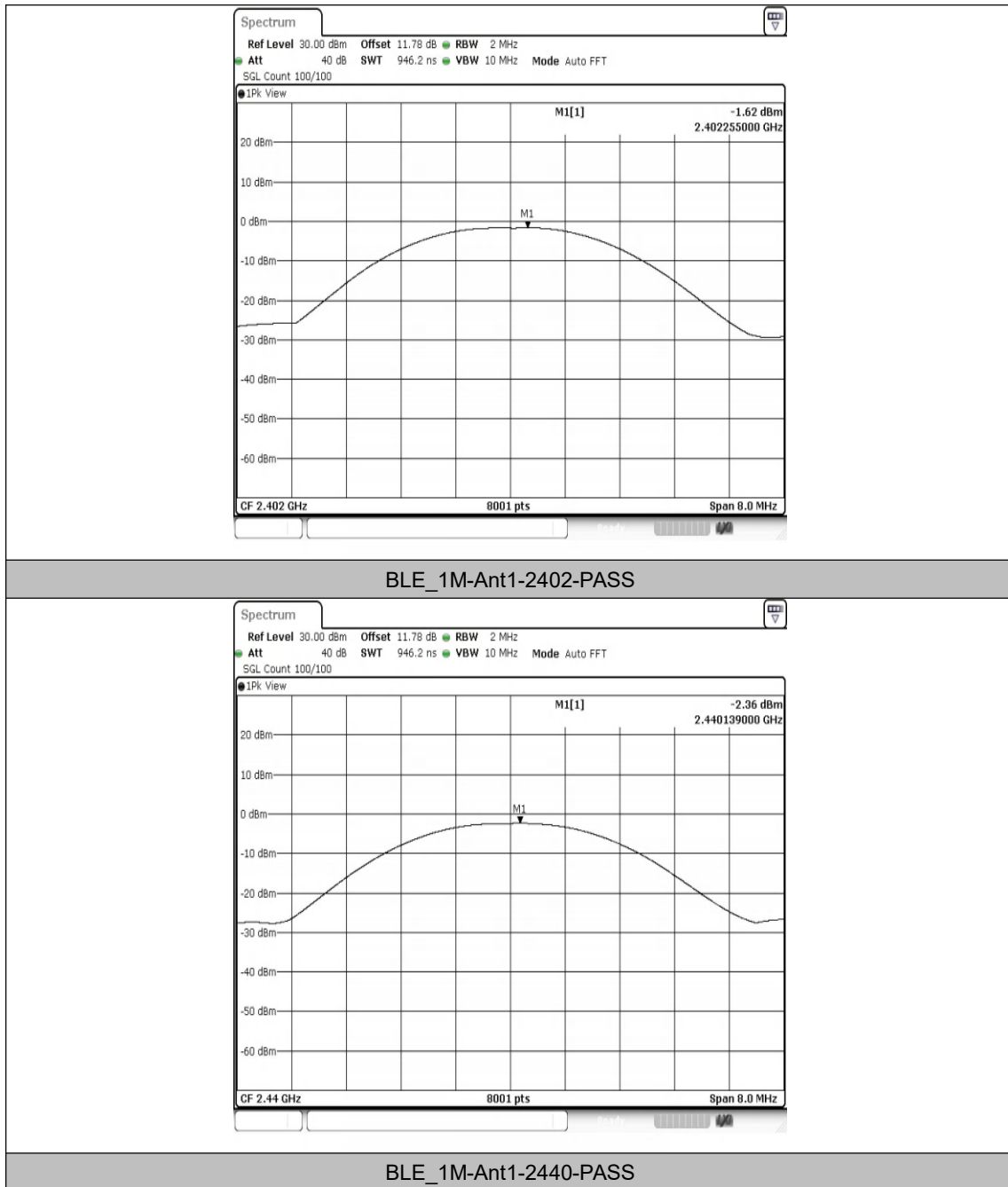


Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
BLE_1M	Ant1	2402	-1.62	≤30	PASS
BLE_1M	Ant1	2440	-2.36	≤30	PASS
BLE_1M	Ant1	2480	-2.26	≤30	PASS
BLE_2M	Ant1	2402	-1.55	≤30	PASS
BLE_2M	Ant1	2440	-2.32	≤30	PASS
BLE_2M	Ant1	2480	-2.23	≤30	PASS

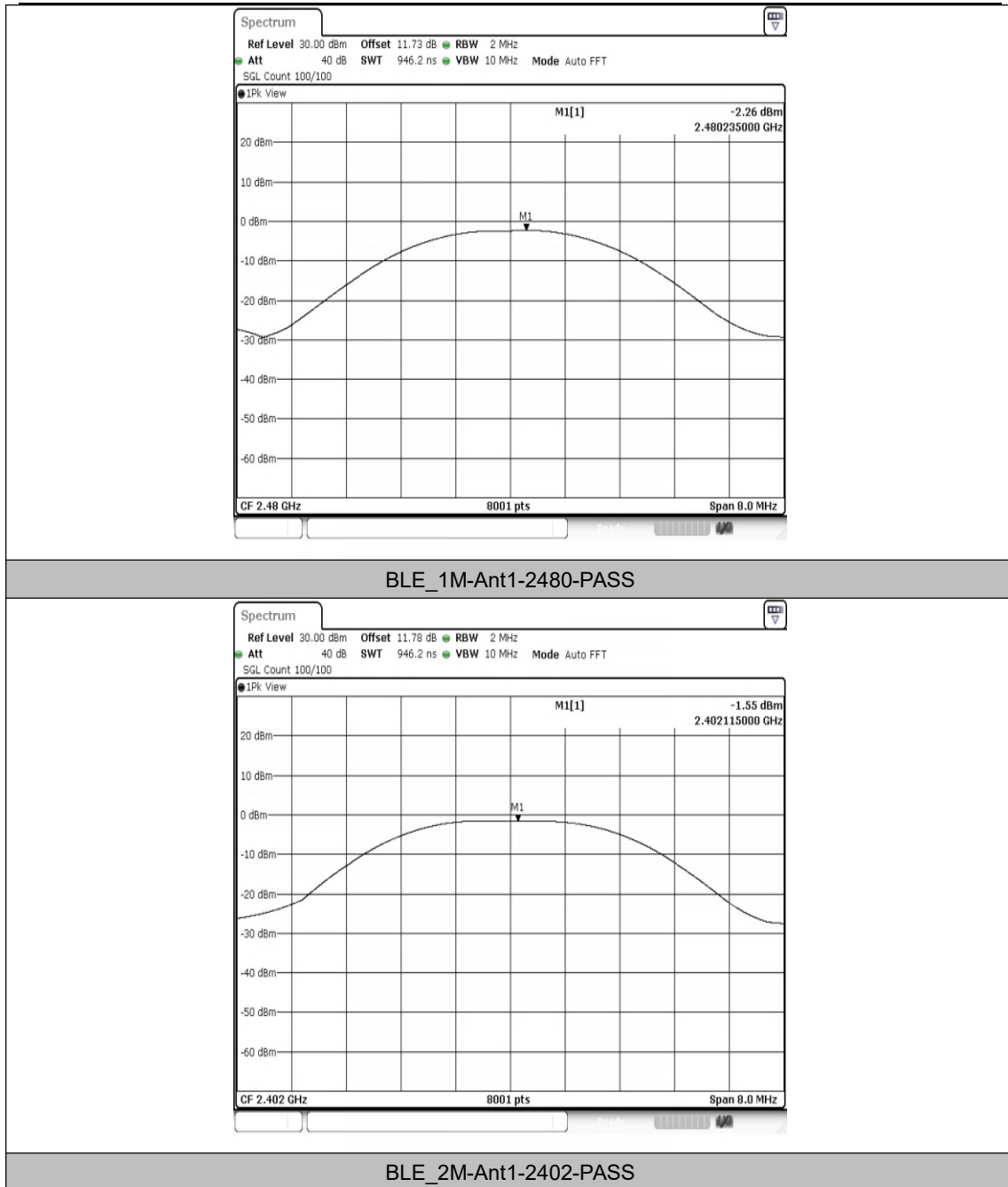
Test Graphs Peak



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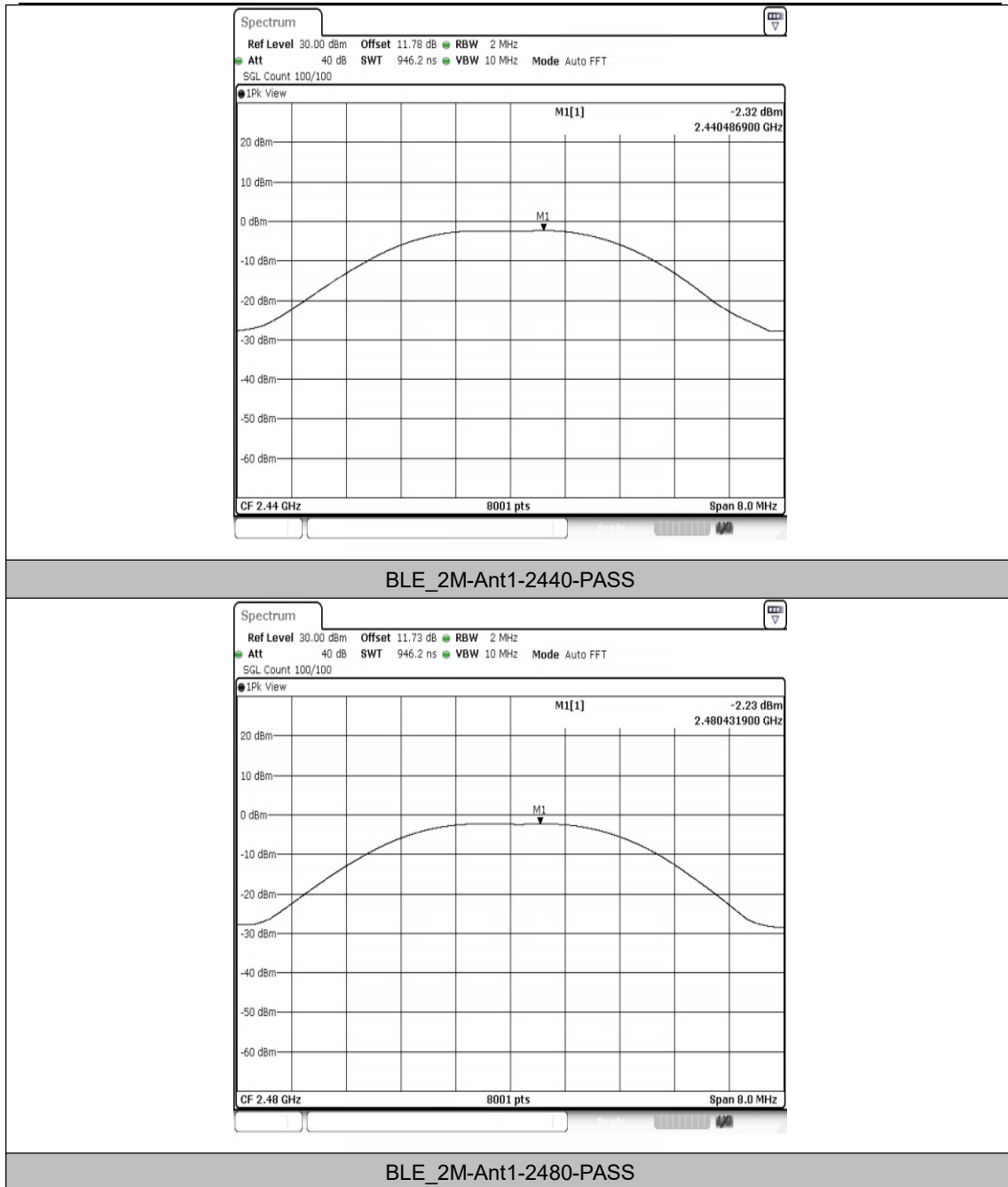
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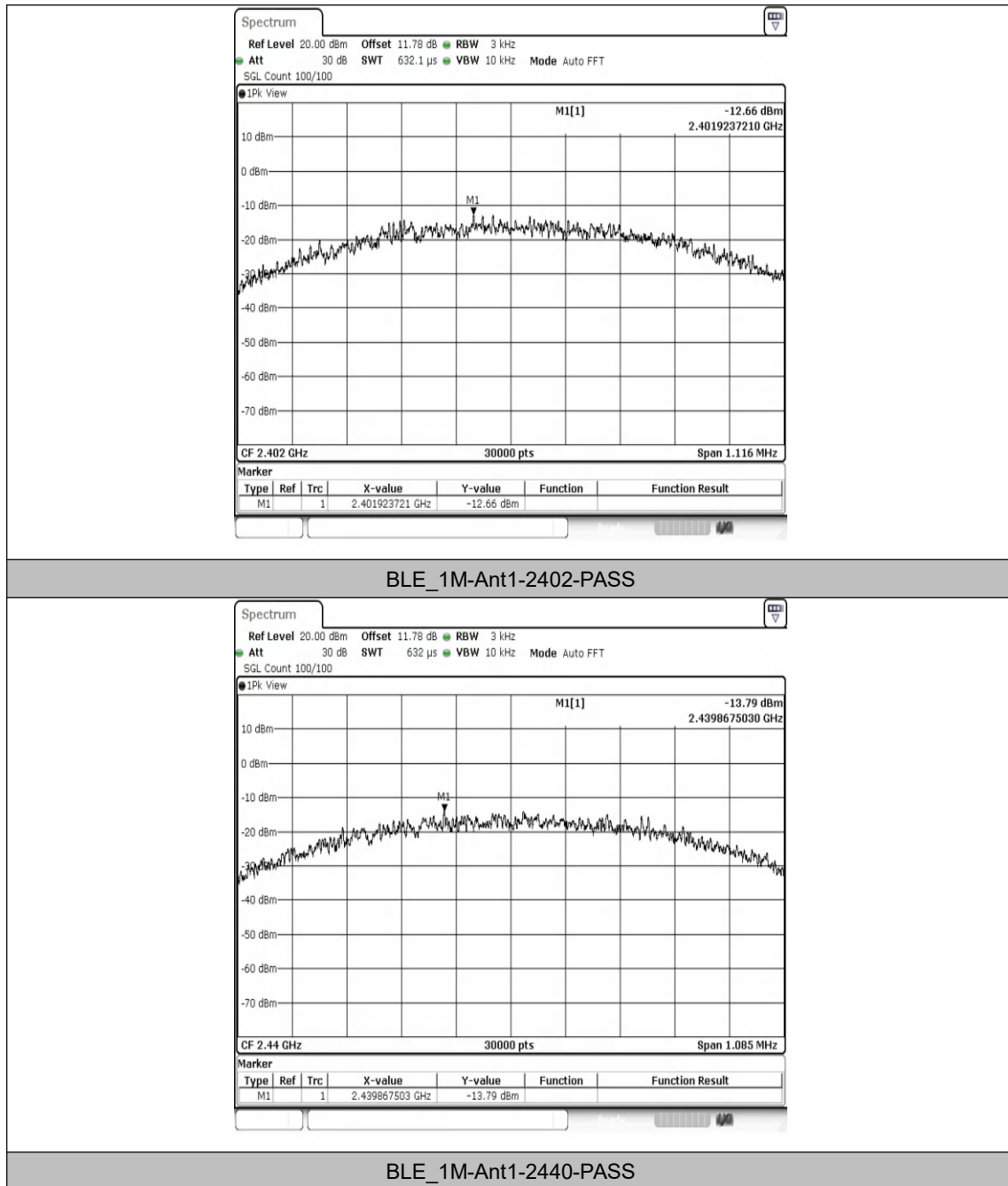
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.66	≤8.00	PASS
BLE_1M	Ant1	2440	-13.79	≤8.00	PASS
BLE_1M	Ant1	2480	-11.87	≤8.00	PASS
BLE_2M	Ant1	2402	-15.27	≤8.00	PASS
BLE_2M	Ant1	2440	-14.19	≤8.00	PASS
BLE_2M	Ant1	2480	-15.21	≤8.00	PASS

Test Graphs



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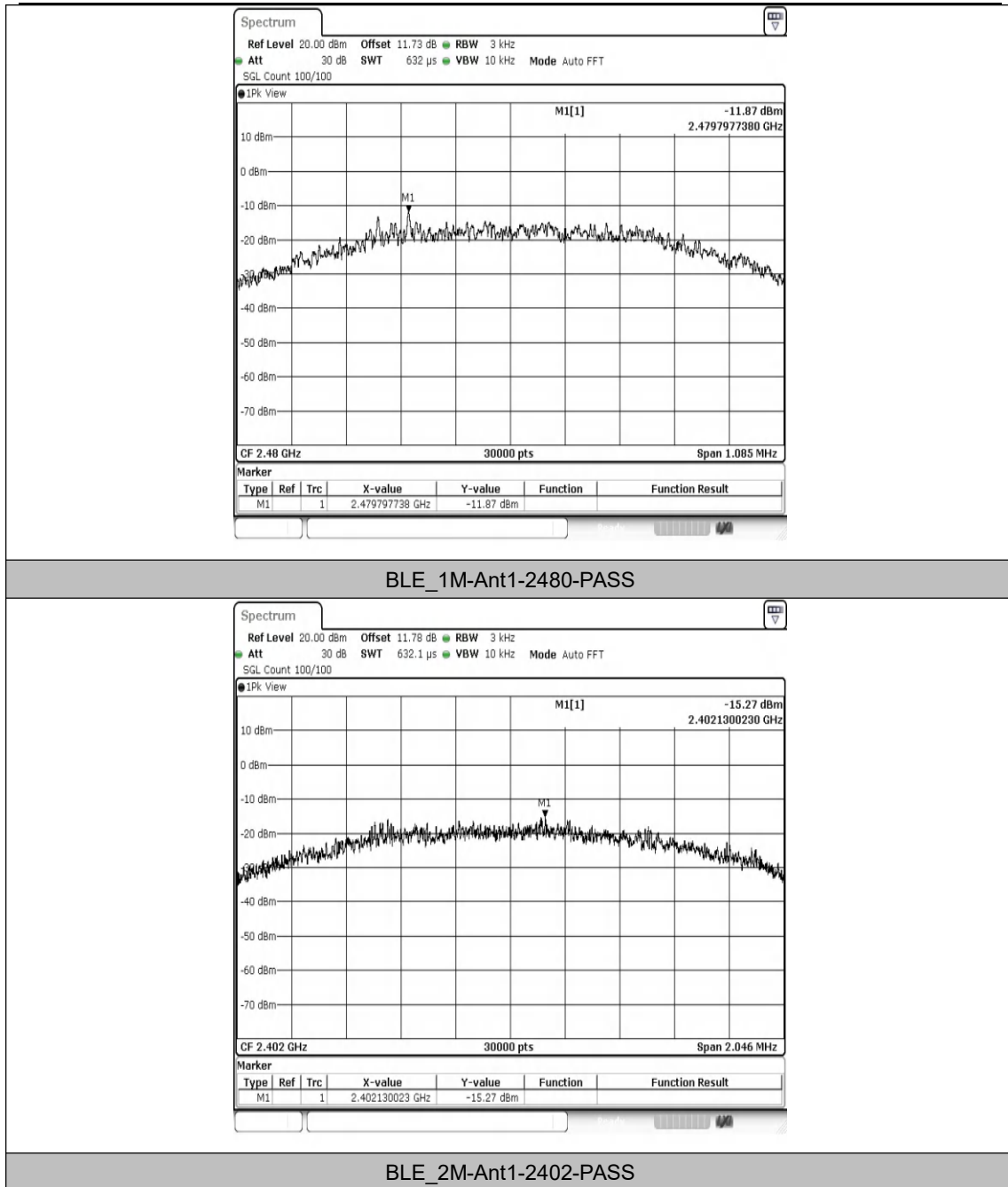
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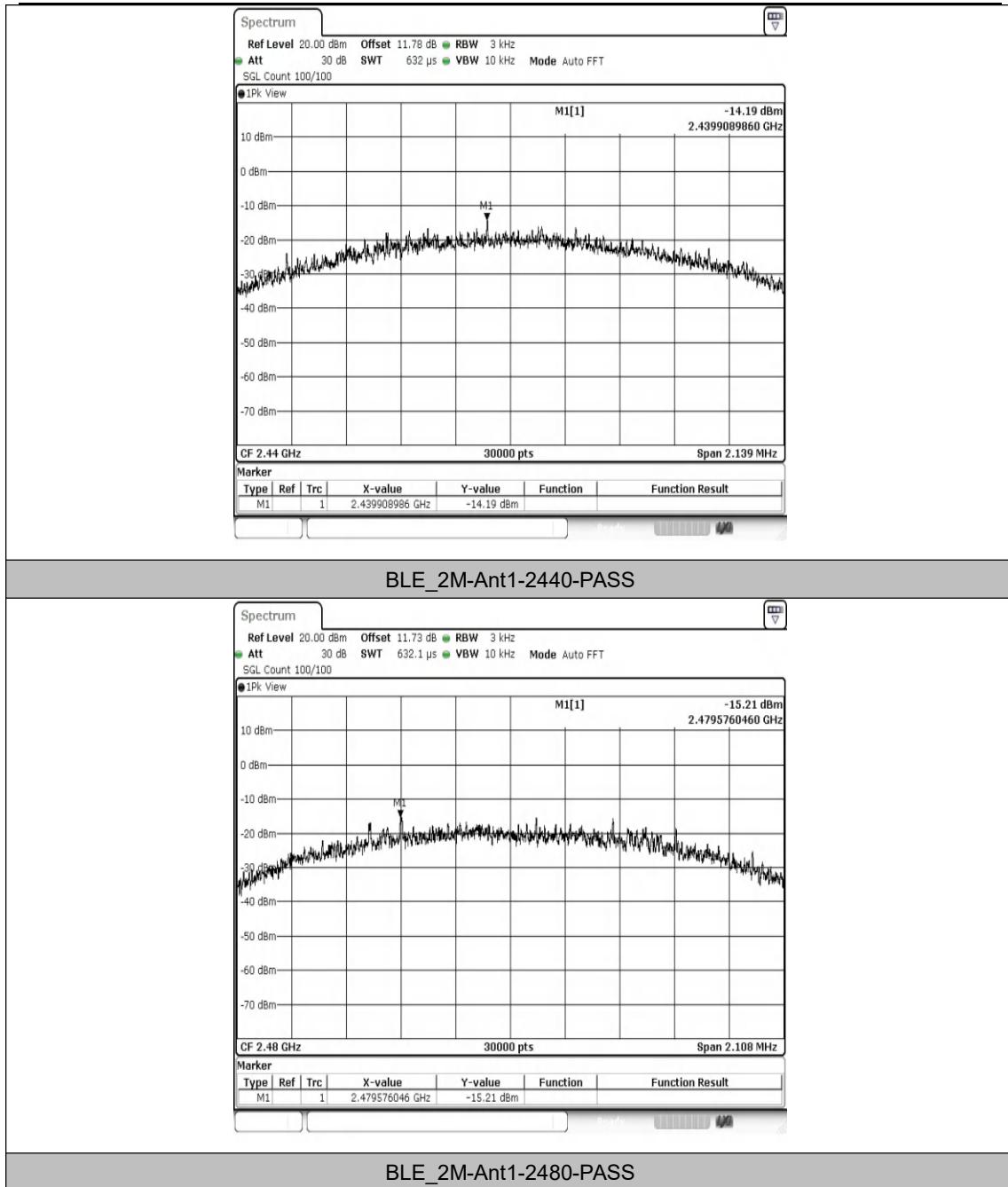
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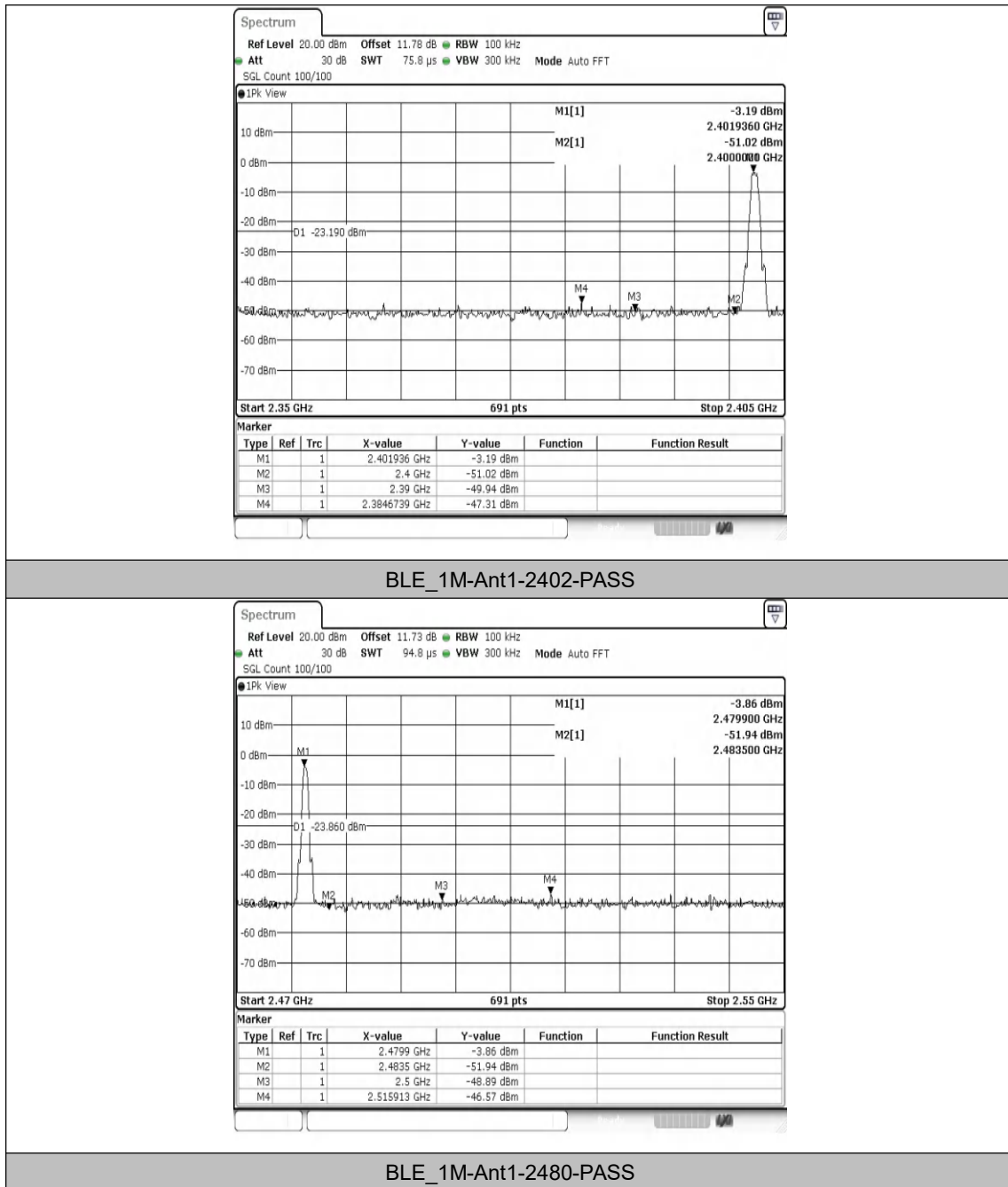
Appendix E: Band edge measurements

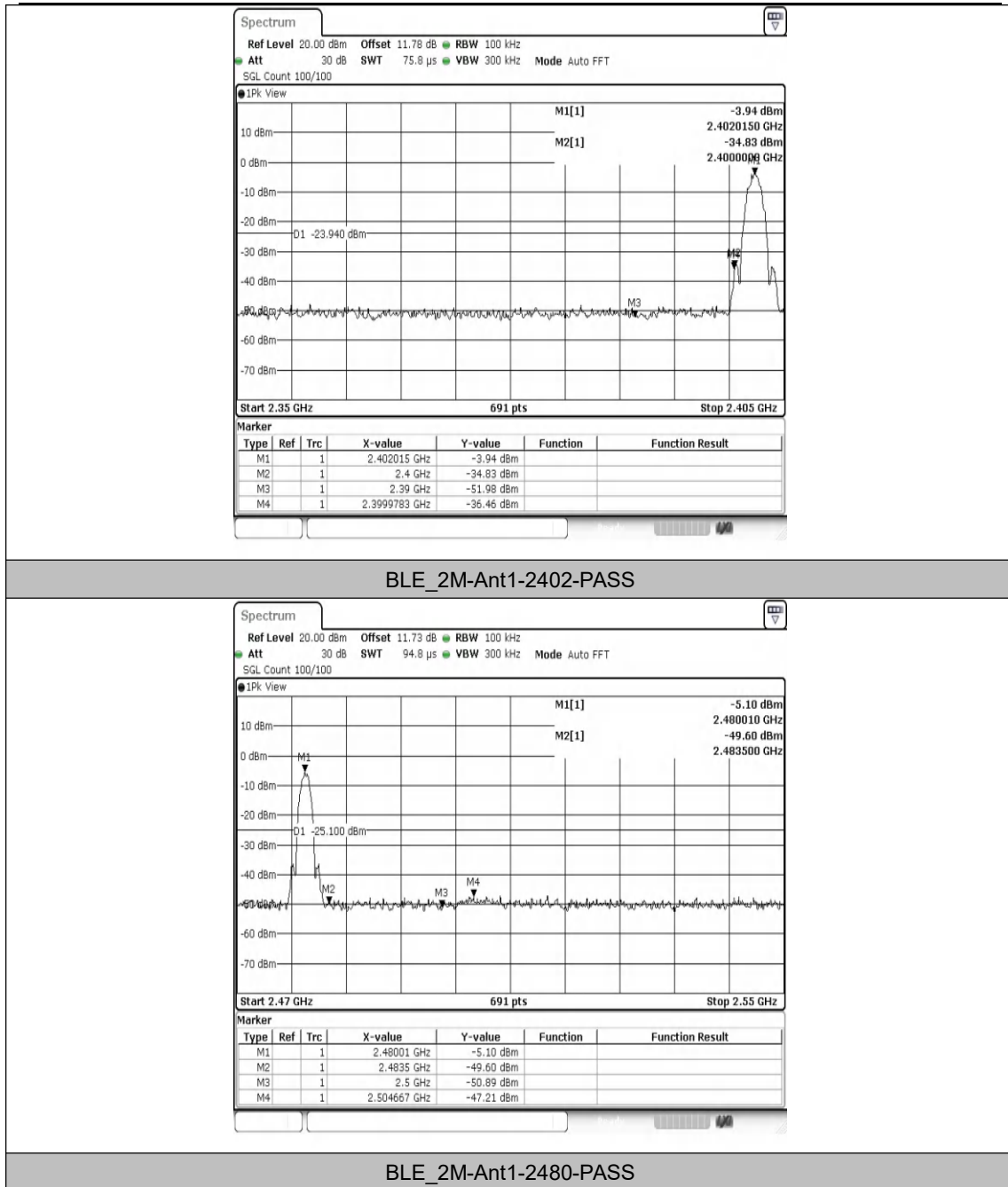
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-3.19	-47.31	≤-23.19	PASS
BLE_1M	Ant1	High	2480	-3.86	-46.57	≤-23.86	PASS
BLE_2M	Ant1	Low	2402	-3.94	-36.46	≤-23.94	PASS
BLE_2M	Ant1	High	2480	-5.10	-47.21	≤-25.1	PASS



Test Graphs



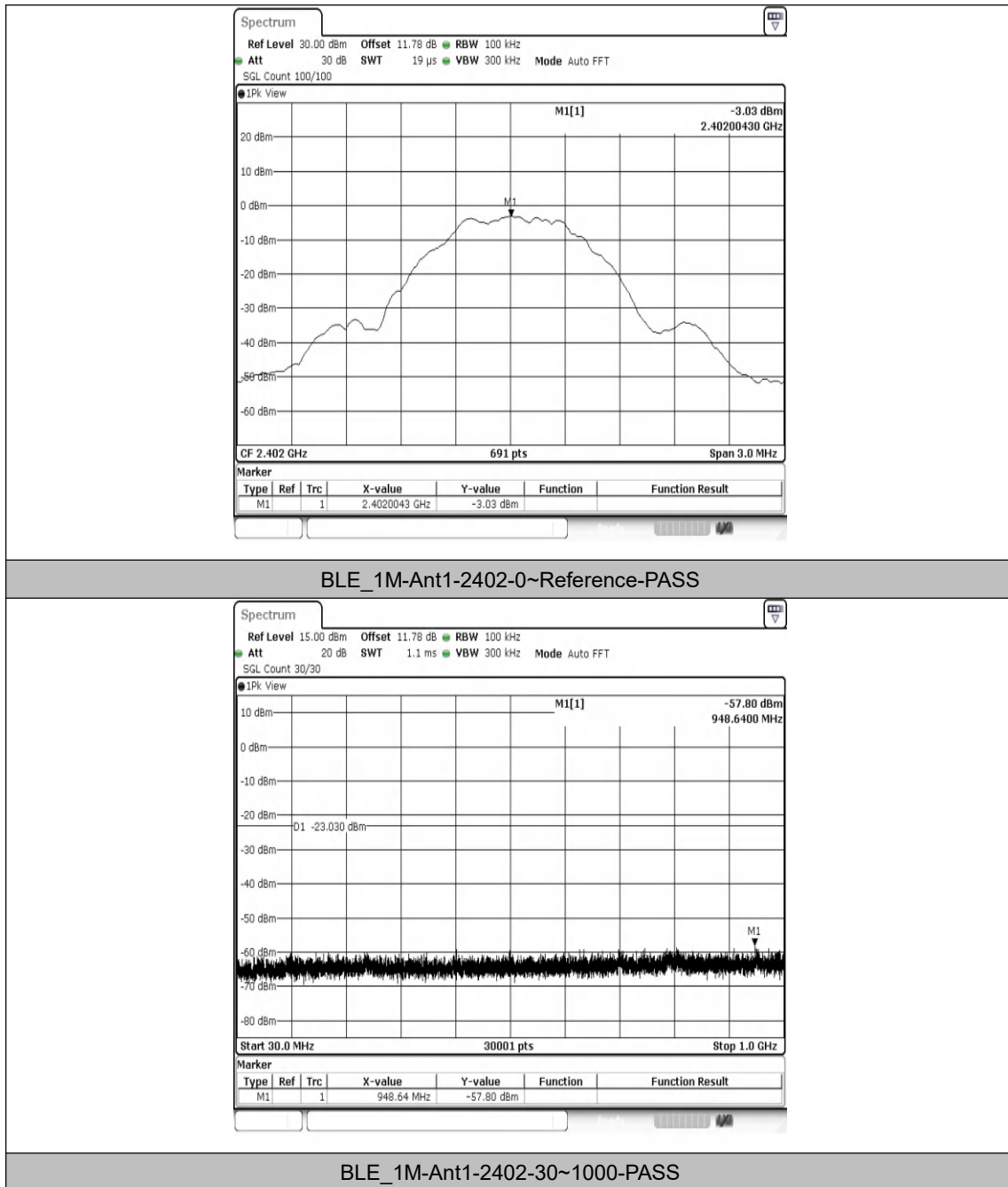


Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-3.03	-3.03	---	PASS
BLE_1M	Ant1	2402	30~1000	-3.03	-57.8	≤-23.03	PASS
BLE_1M	Ant1	2402	1000~26500	-3.03	-32.45	≤-23.03	PASS
BLE_1M	Ant1	2440	0~Reference	-4.00	-4.00	---	PASS
BLE_1M	Ant1	2440	30~1000	-4.00	-57.93	≤-24	PASS
BLE_1M	Ant1	2440	1000~26500	-4.00	-32.08	≤-24	PASS
BLE_1M	Ant1	2480	0~Reference	-4.27	-4.27	---	PASS
BLE_1M	Ant1	2480	30~1000	-4.27	-57.62	≤-24.27	PASS
BLE_1M	Ant1	2480	1000~26500	-4.27	-33.05	≤-24.27	PASS
BLE_2M	Ant1	2402	0~Reference	-4.35	-4.35	---	PASS
BLE_2M	Ant1	2402	30~1000	-4.35	-58.36	≤-24.35	PASS
BLE_2M	Ant1	2402	1000~26500	-4.35	-34.76	≤-24.35	PASS
BLE_2M	Ant1	2440	0~Reference	-4.64	-4.64	---	PASS
BLE_2M	Ant1	2440	30~1000	-4.64	-58.15	≤-24.64	PASS
BLE_2M	Ant1	2440	1000~26500	-4.64	-35.84	≤-24.64	PASS
BLE_2M	Ant1	2480	0~Reference	-3.97	-3.97	---	PASS
BLE_2M	Ant1	2480	30~1000	-3.97	-58.24	≤-23.97	PASS
BLE_2M	Ant1	2480	1000~26500	-3.97	-35.22	≤-23.97	PASS

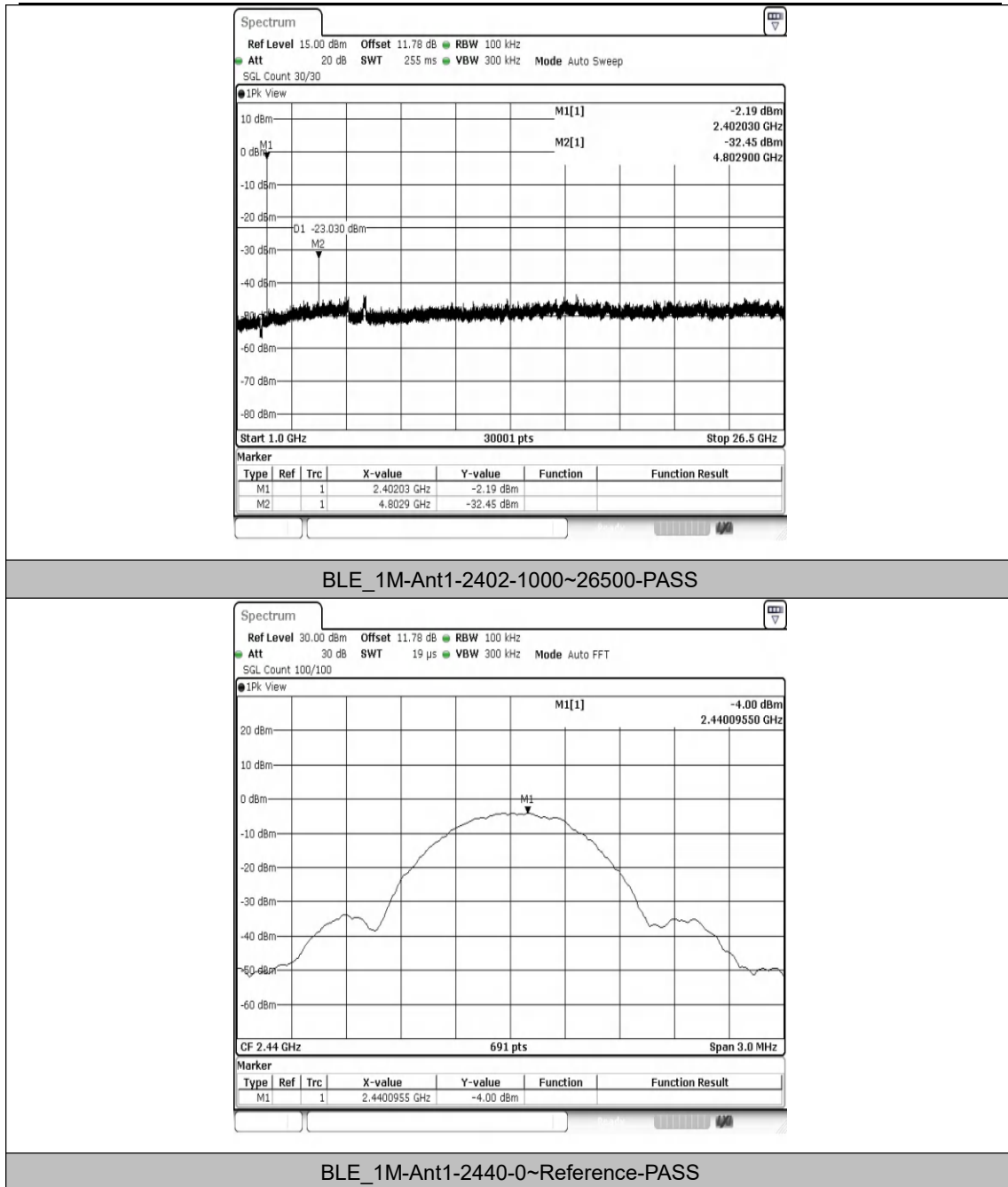
Test Graphs

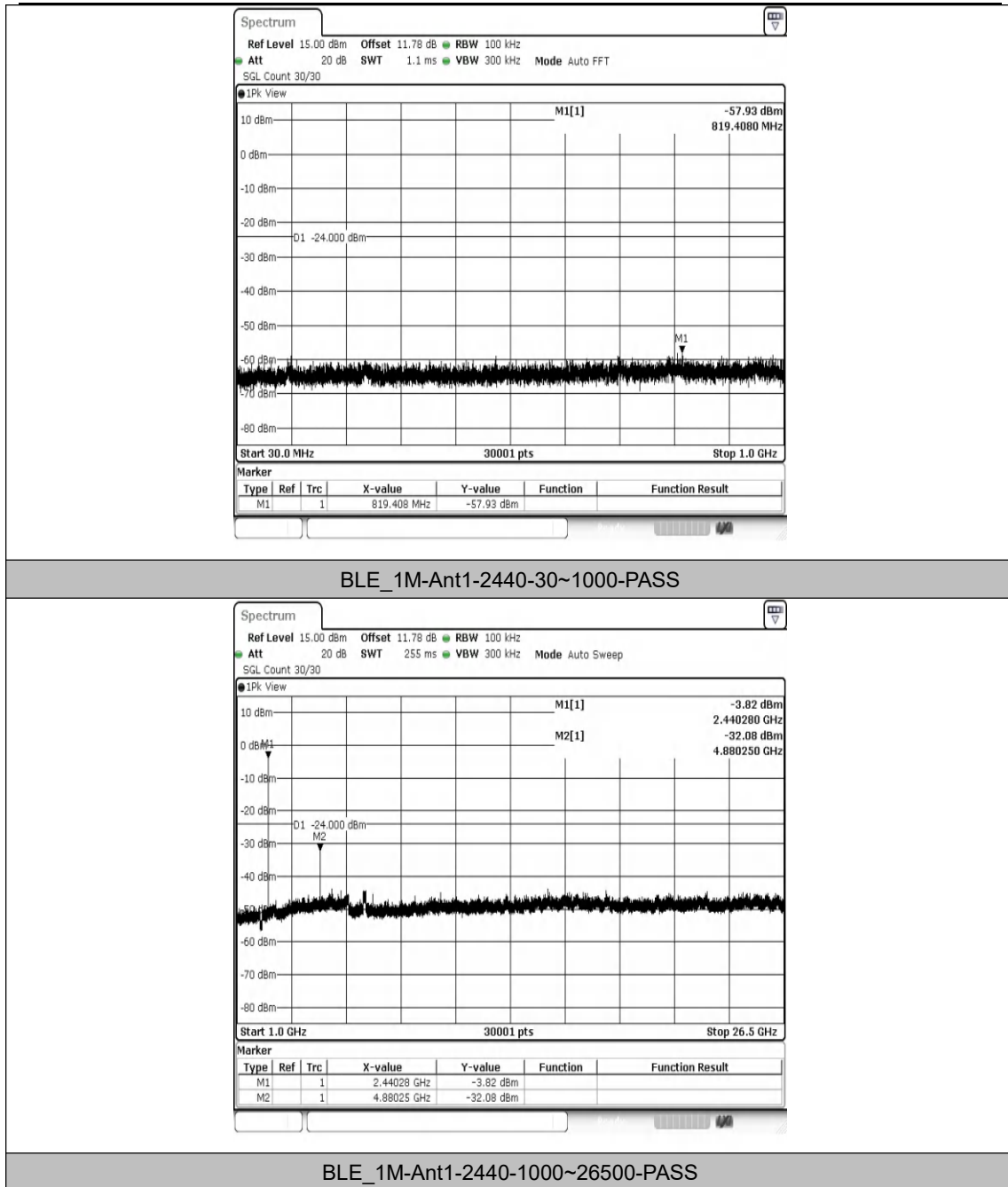


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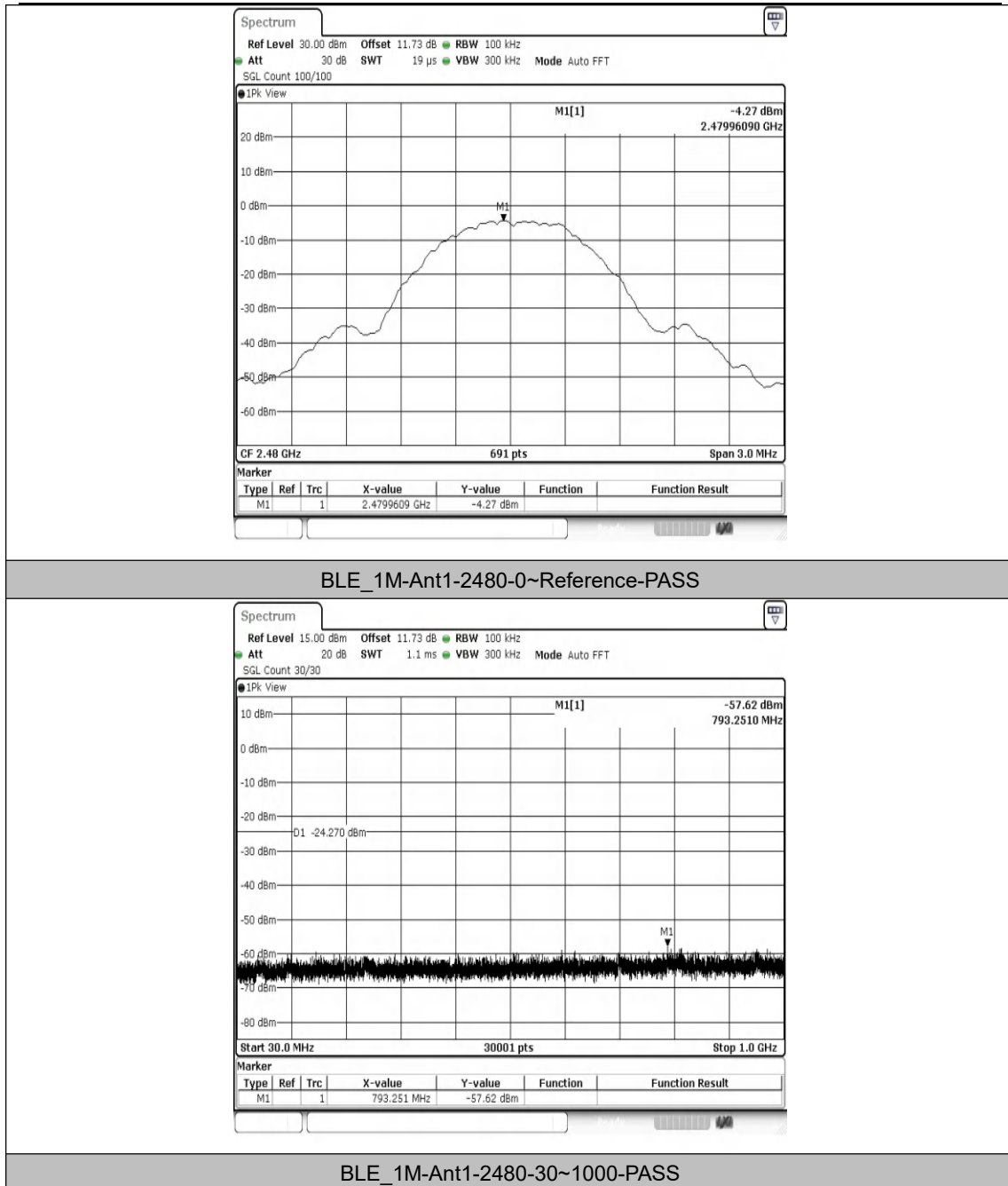




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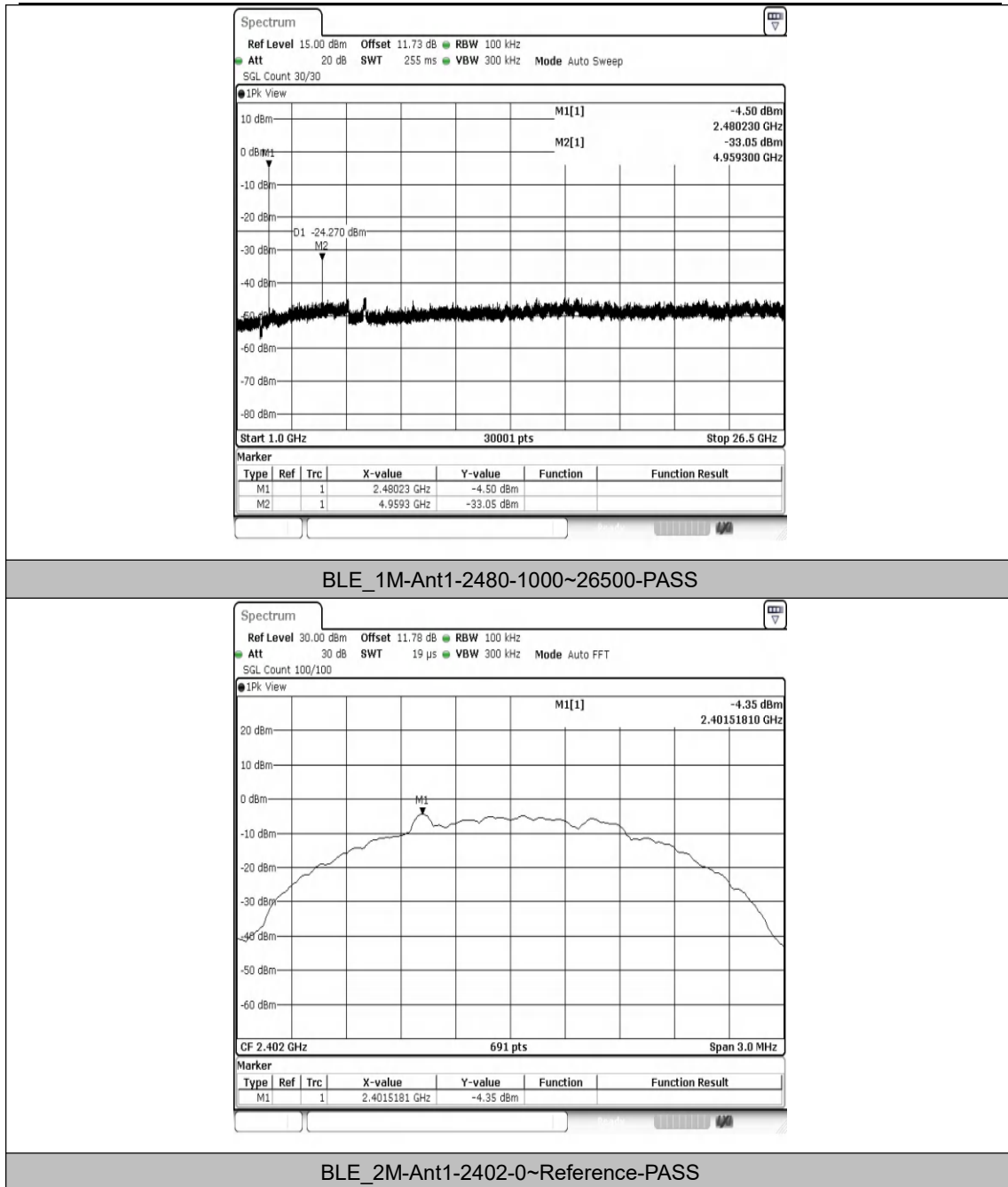
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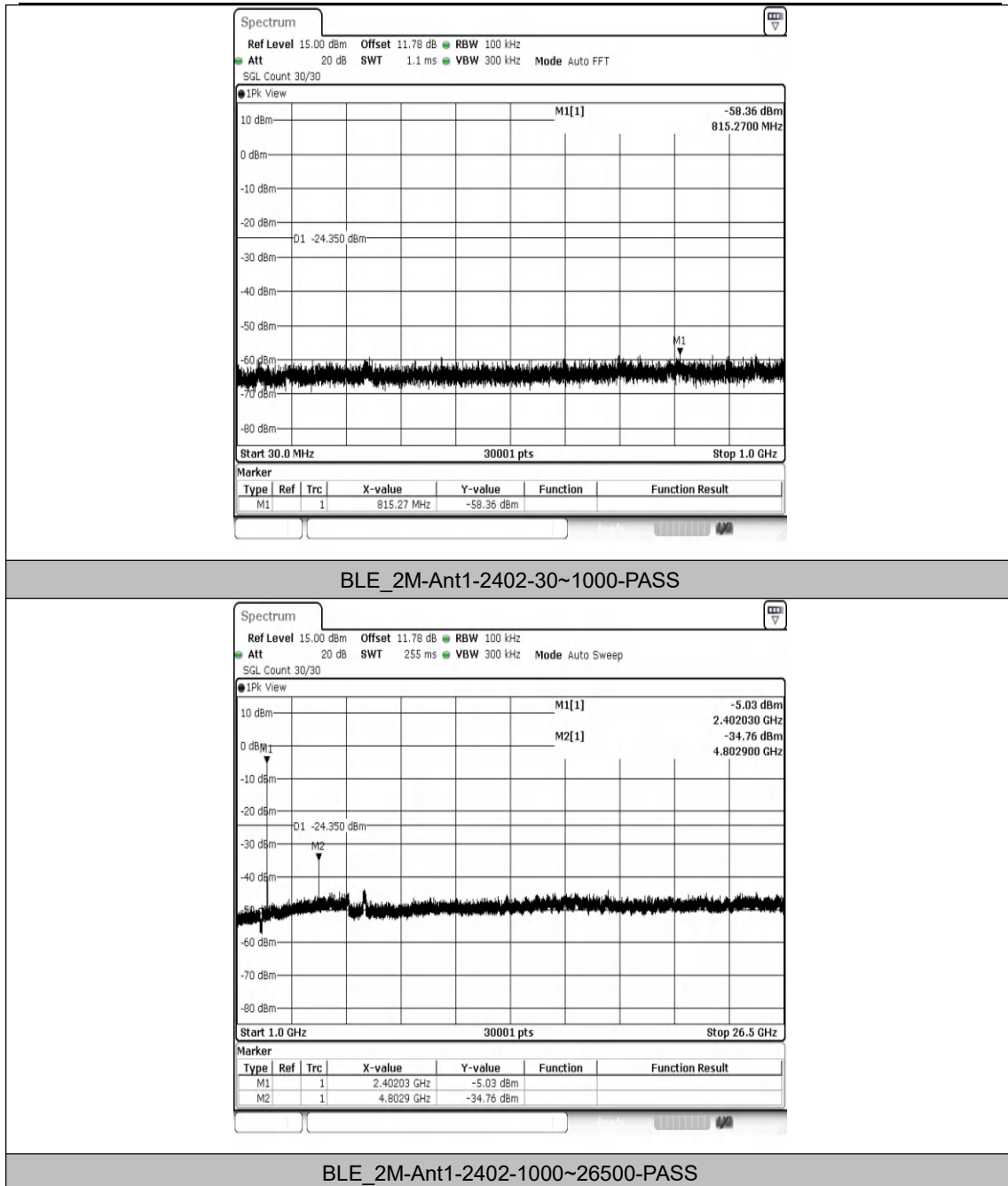
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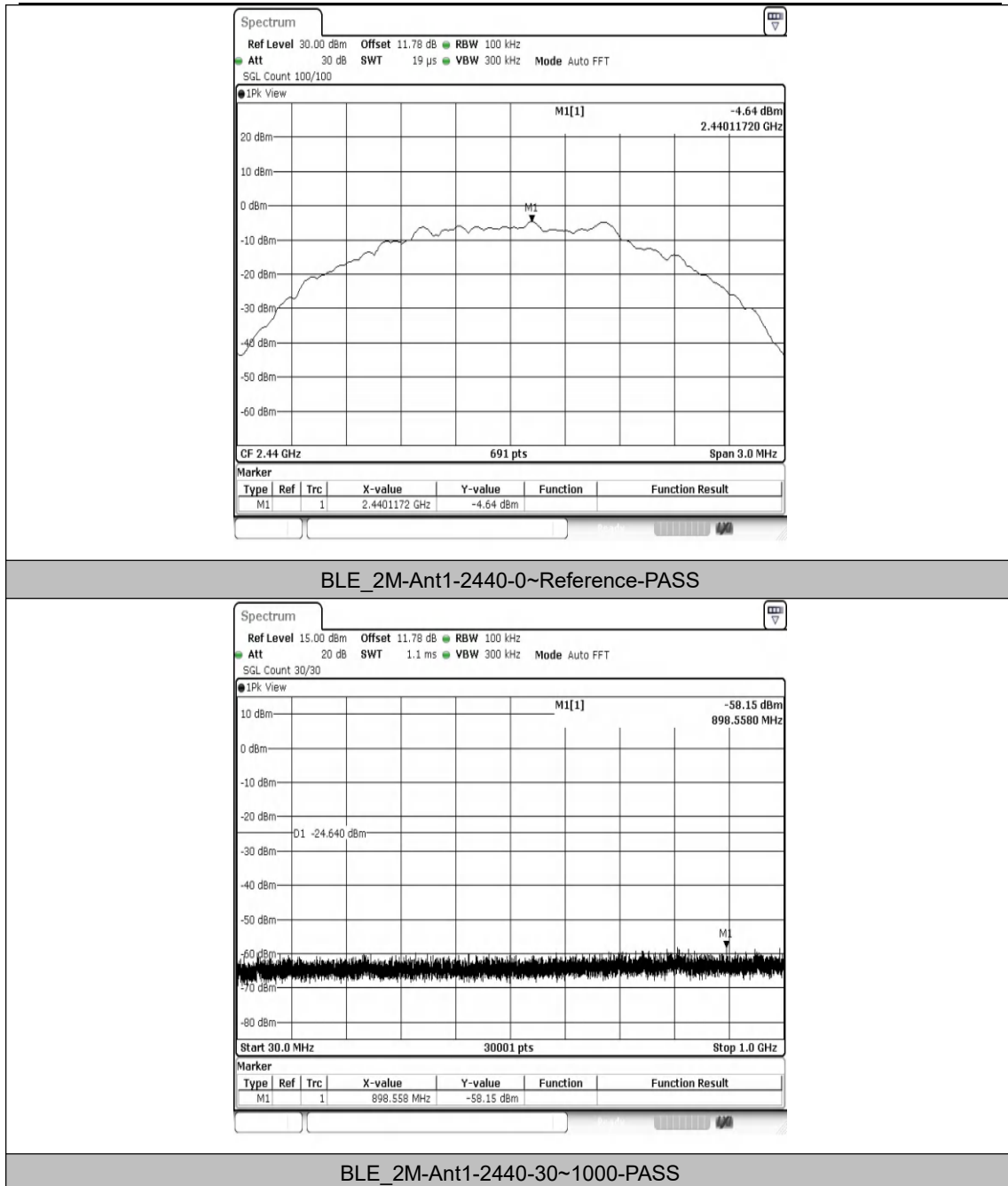


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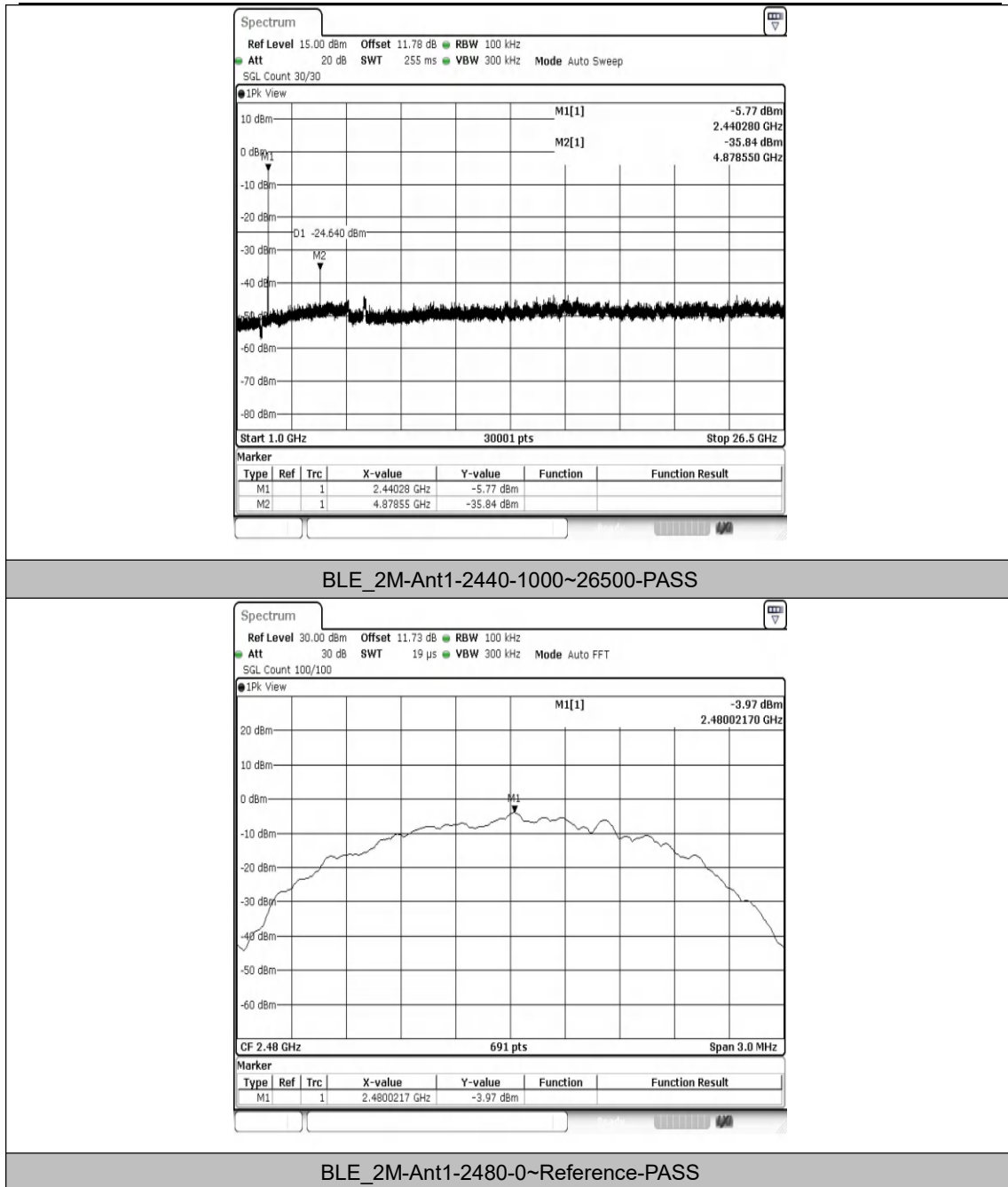




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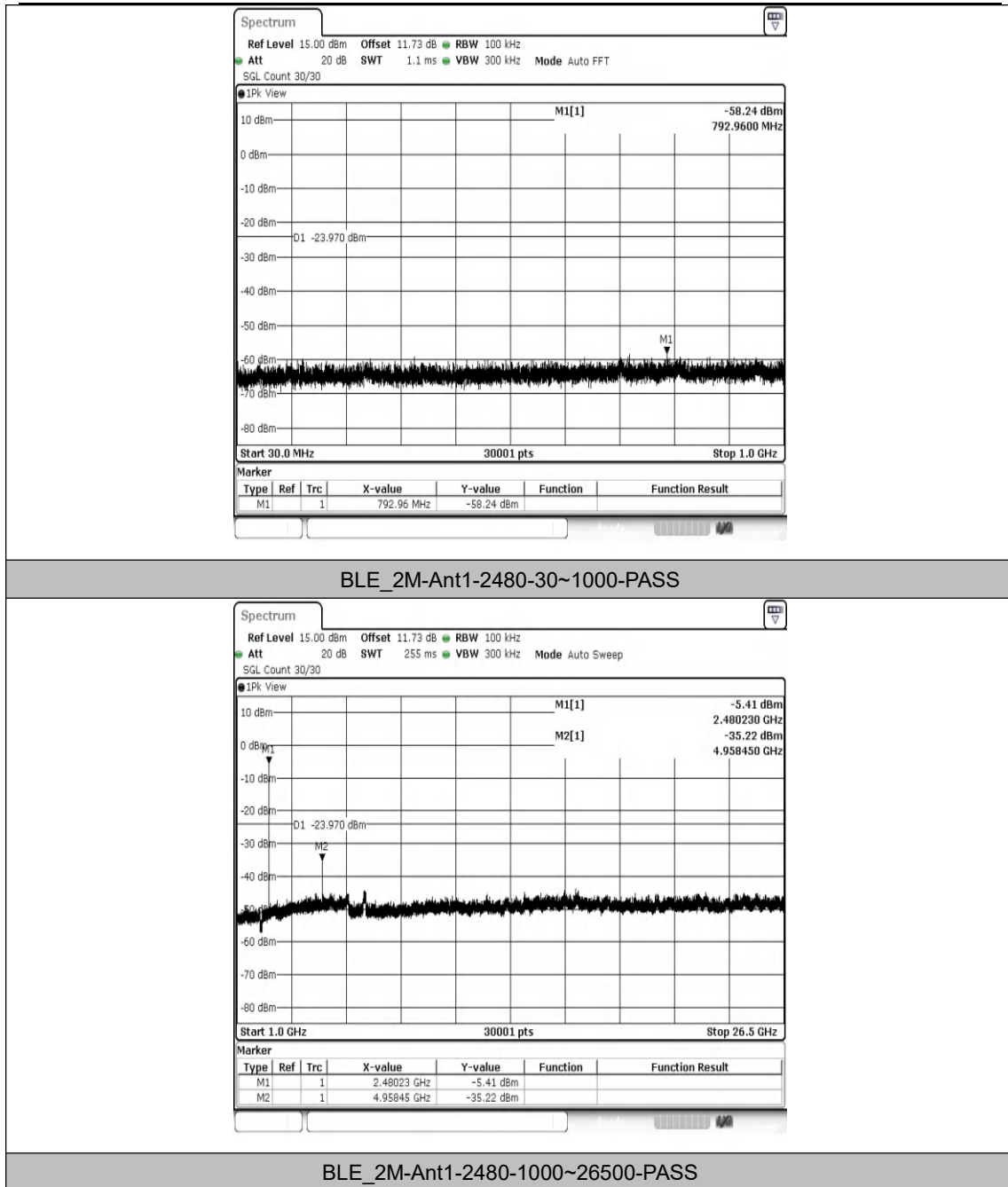
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	100.00	100.00	100	0.00
BLE_1M	Ant1	2440	100.00	100.00	100	0.00
BLE_1M	Ant1	2480	100.00	100.00	100	0.00
BLE_2M	Ant1	2402	100.00	100.00	100	0.00
BLE_2M	Ant1	2440	100.00	100.00	100	0.00
BLE_2M	Ant1	2480	100.00	100.00	100	0.00

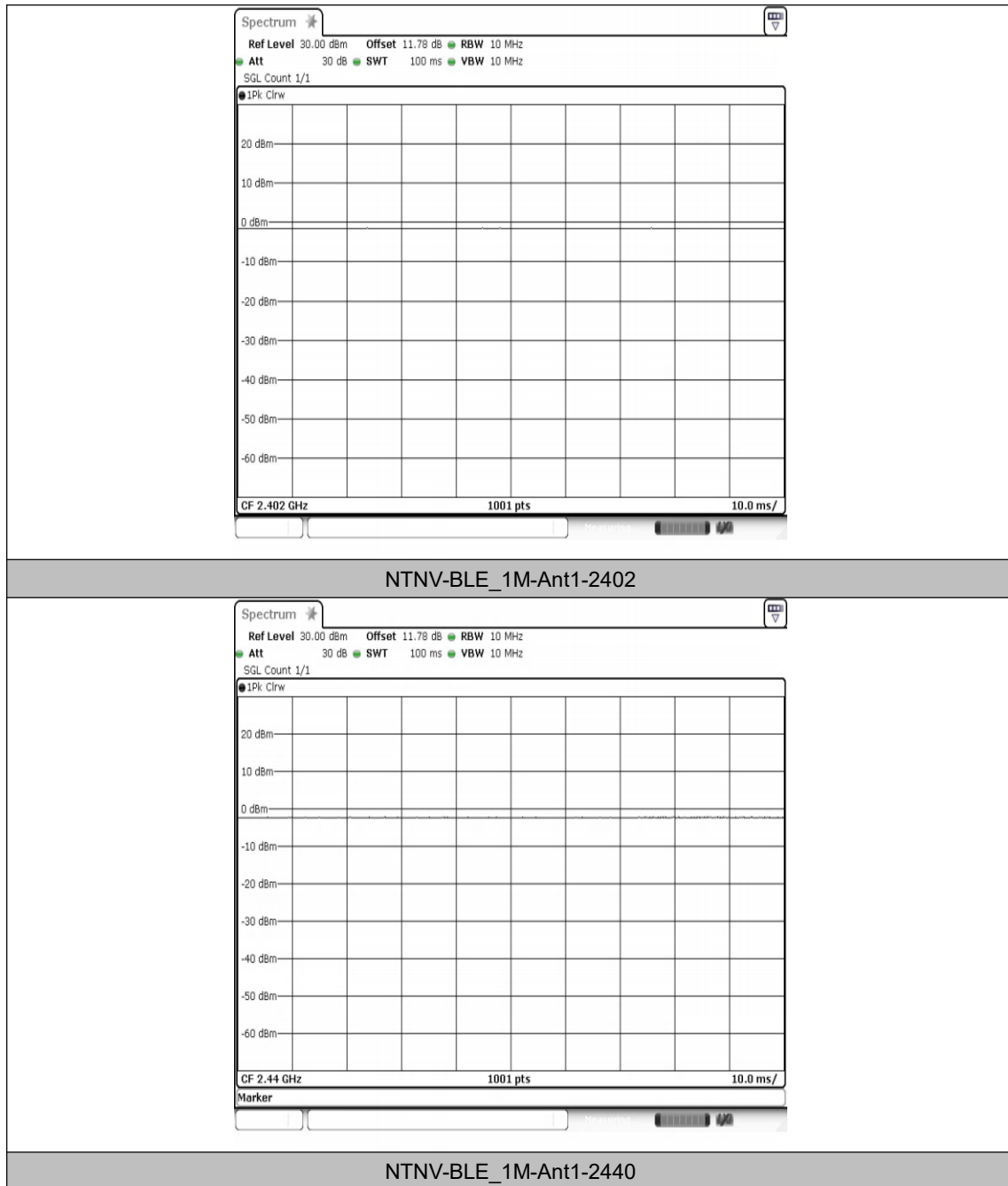
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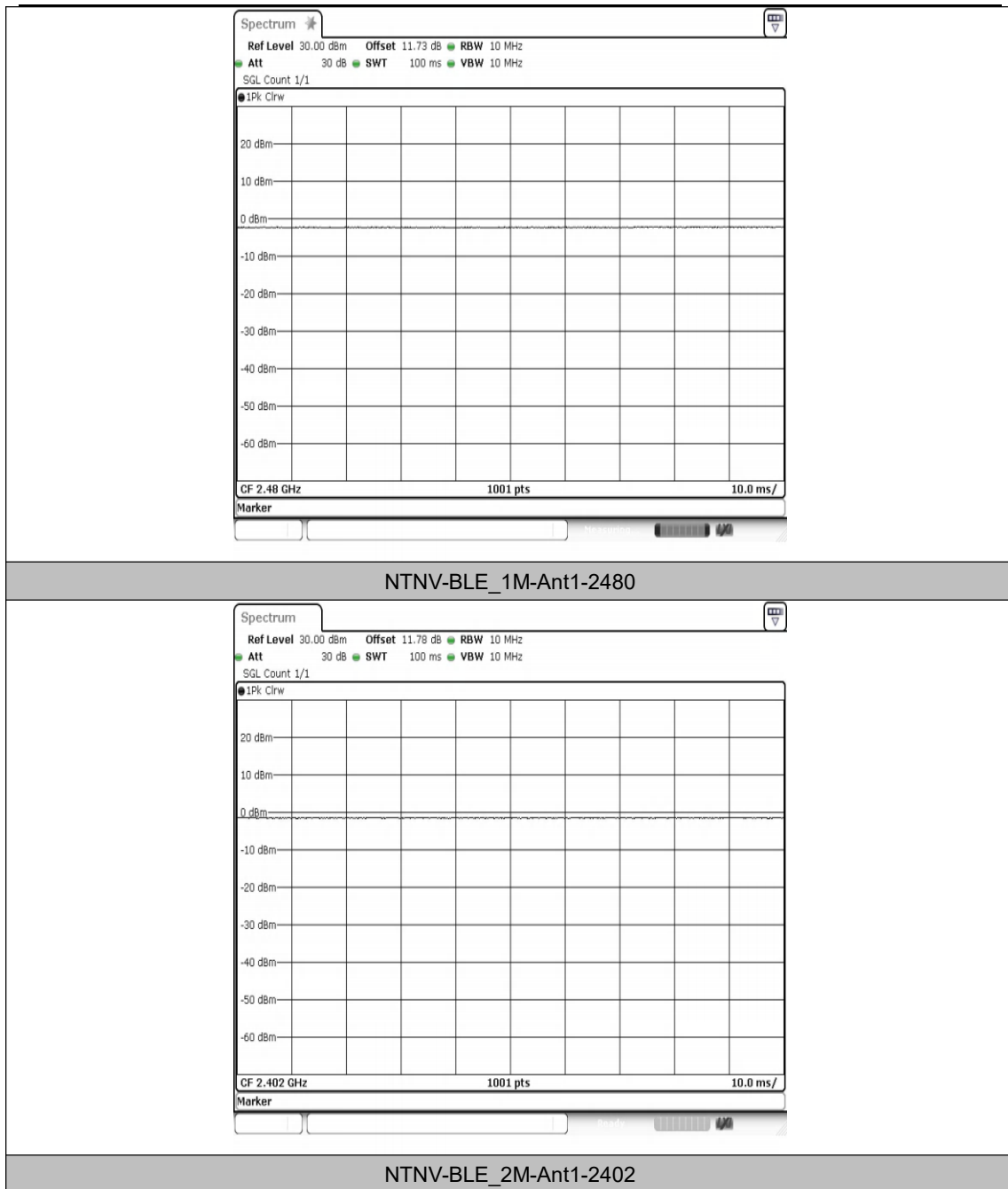
Test Graphs



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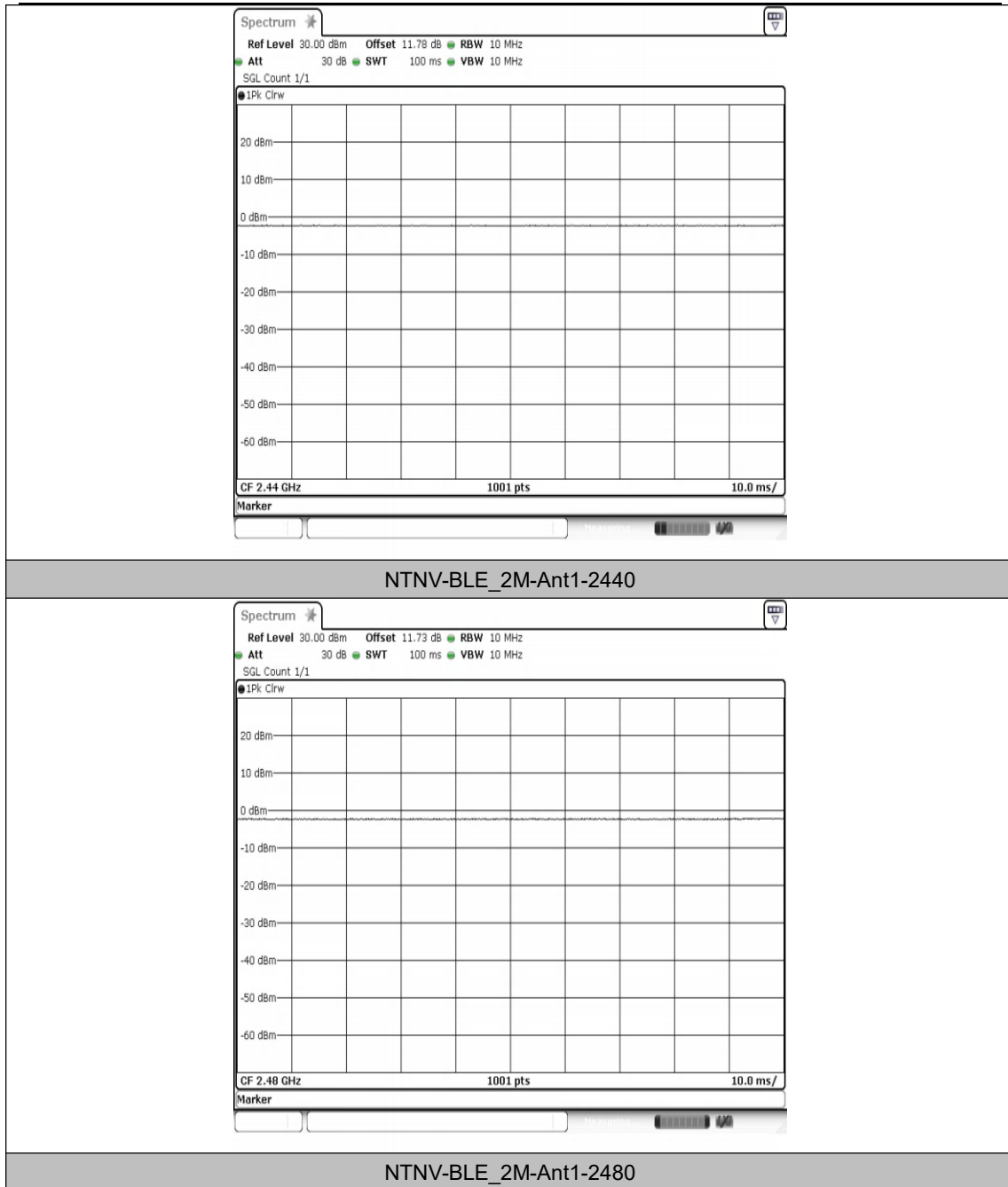
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