

Appendix Test Data

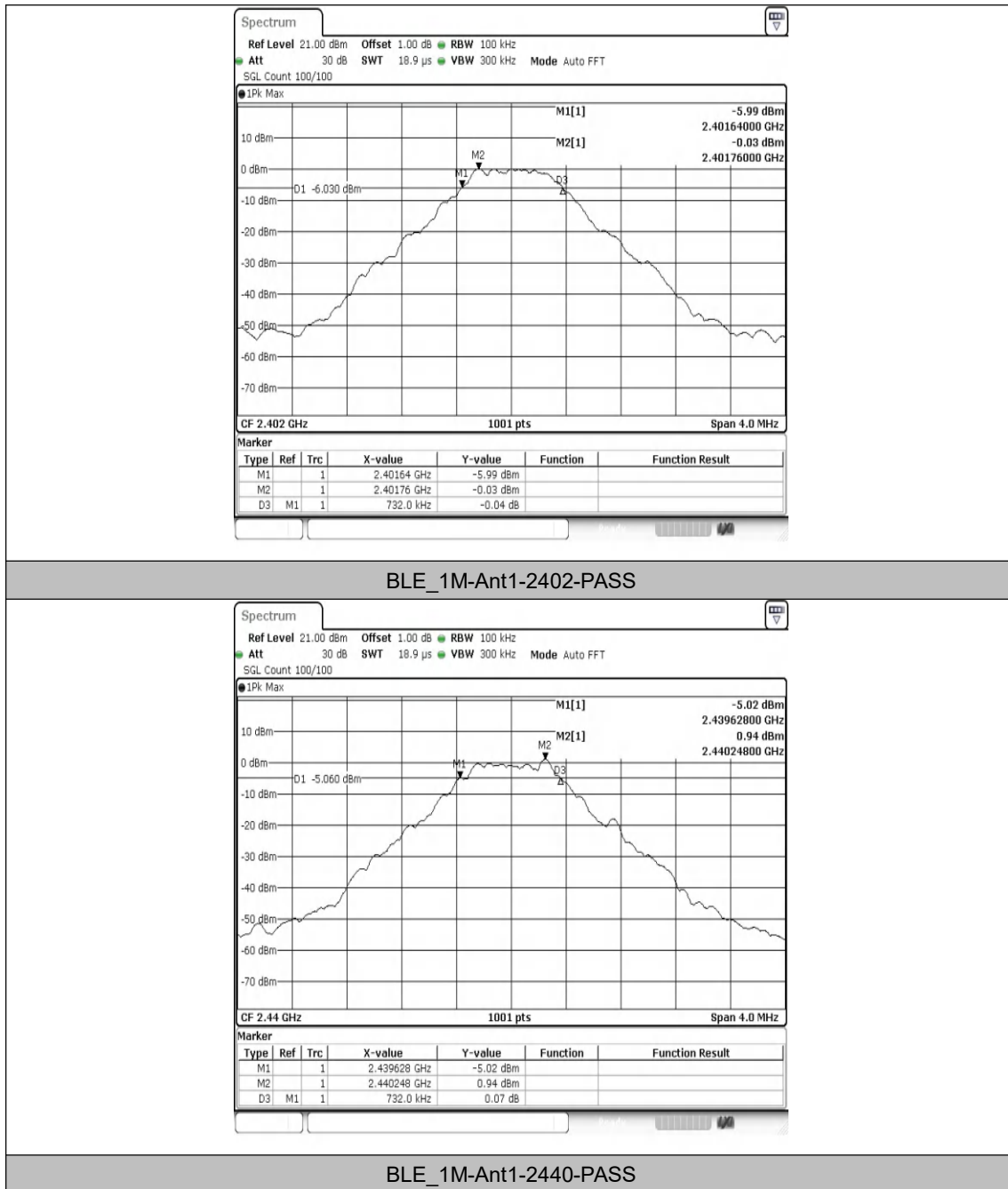
Report No.:	1812C50263412502	Test Sample No.:	1-2-2
Start Test Date:	2025-5-28	Finish Test Date:	2025-6-10
Test Engineer:	Hansen Guan	Auditor:	Justin Feng
Temperature:	27.7°C	Relative Humidity:	53%
Pressure:	101kPa		

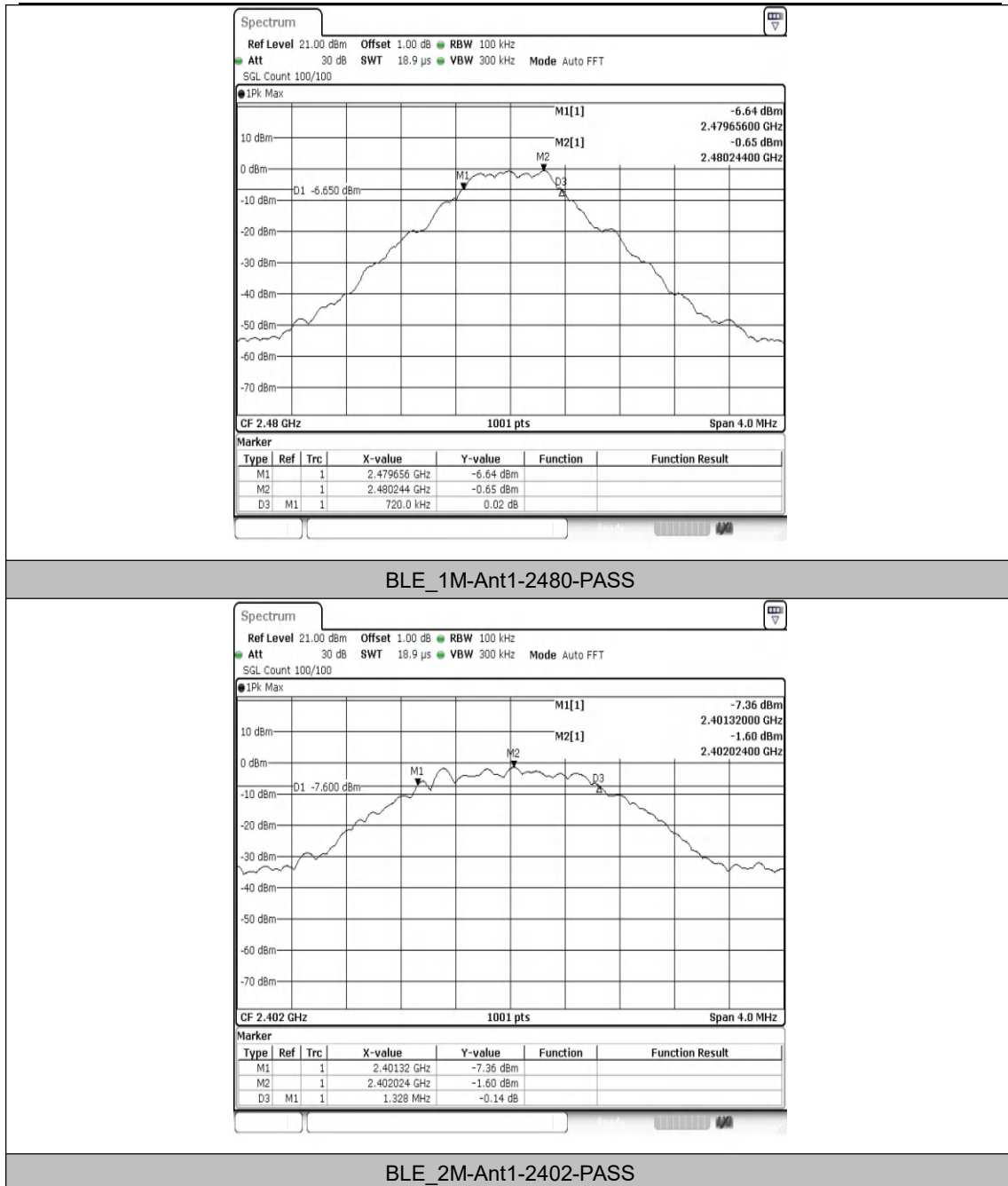
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.73	2401.64	2402.37	0.5	PASS
BLE_1M	Ant1	2440	0.73	2439.63	2440.36	0.5	PASS
BLE_1M	Ant1	2480	0.72	2479.66	2480.38	0.5	PASS
BLE_2M	Ant1	2402	1.33	2401.32	2402.65	0.5	PASS
BLE_2M	Ant1	2440	1.38	2439.31	2440.70	0.5	PASS
BLE_2M	Ant1	2480	1.40	2479.29	2480.70	0.5	PASS

Test Graphs





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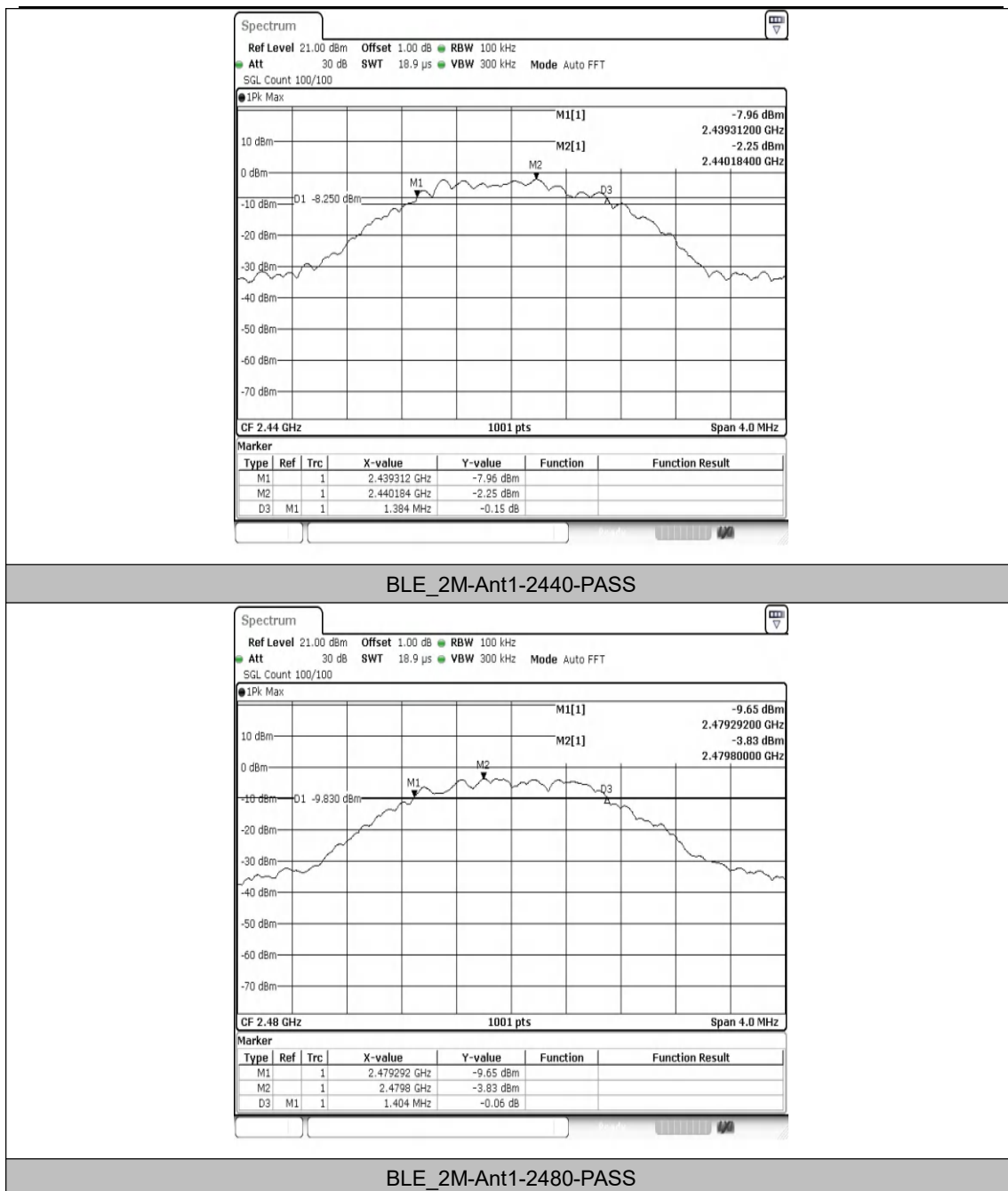
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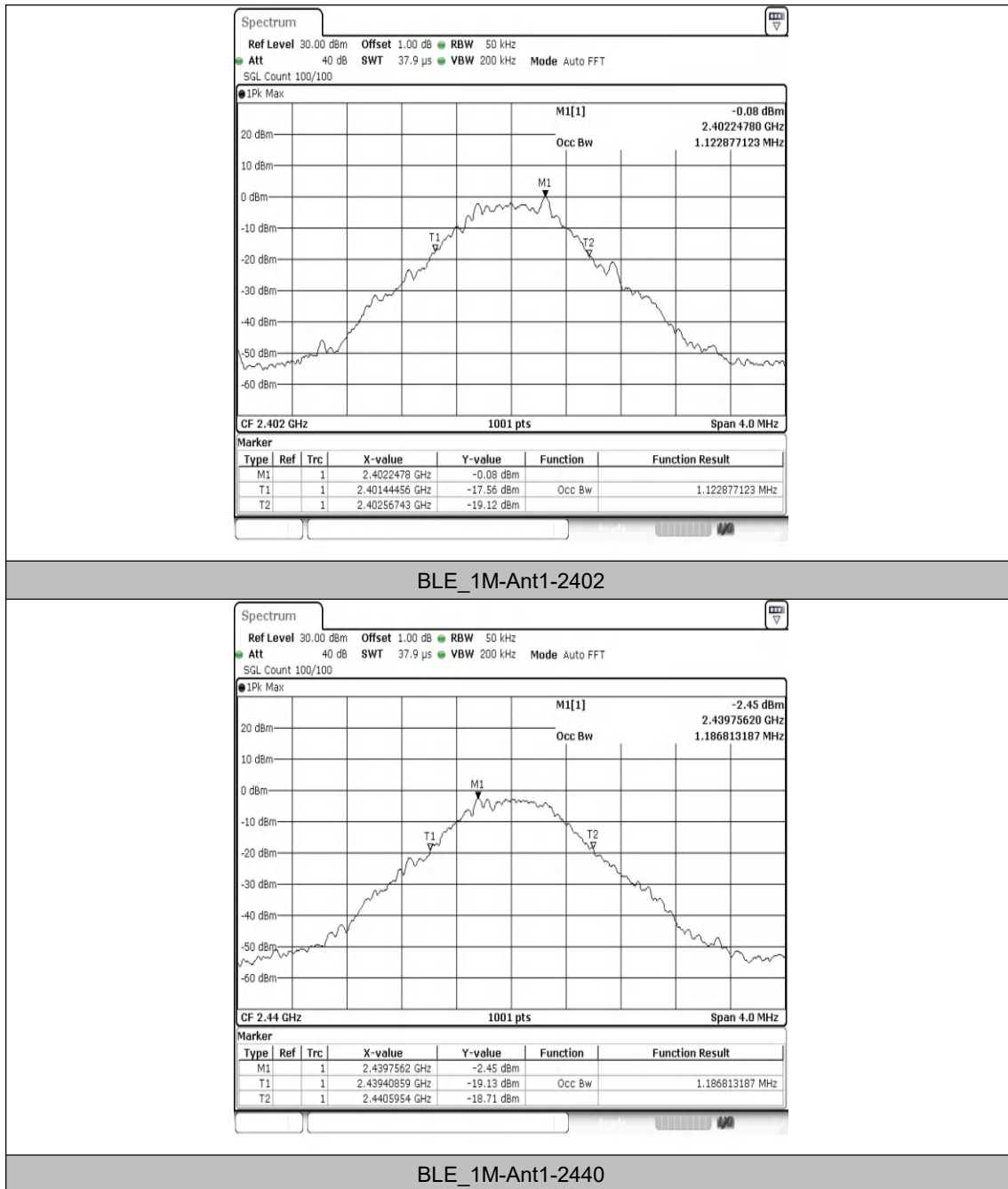


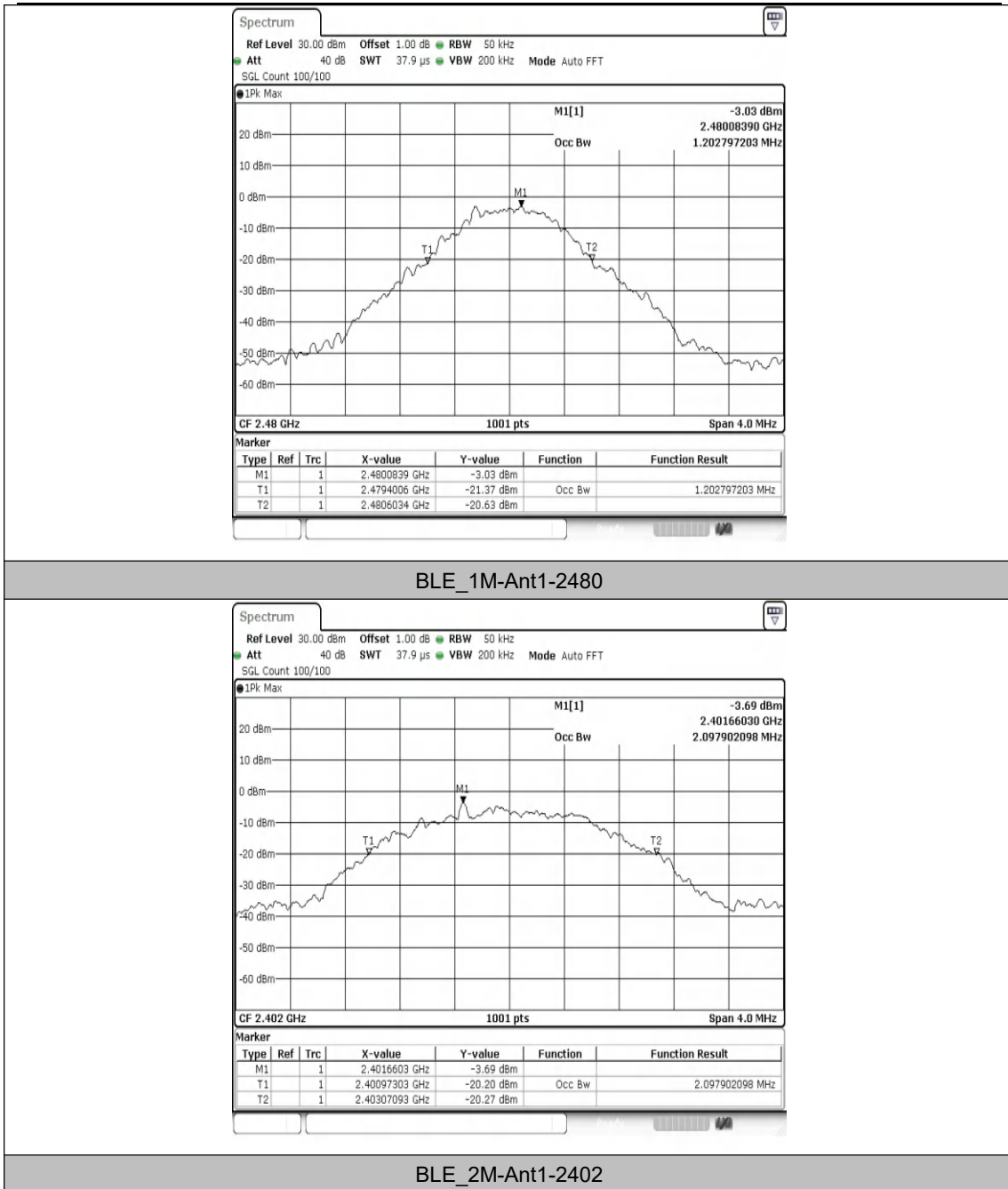
Appendix B: 99% Occupied Bandwidth

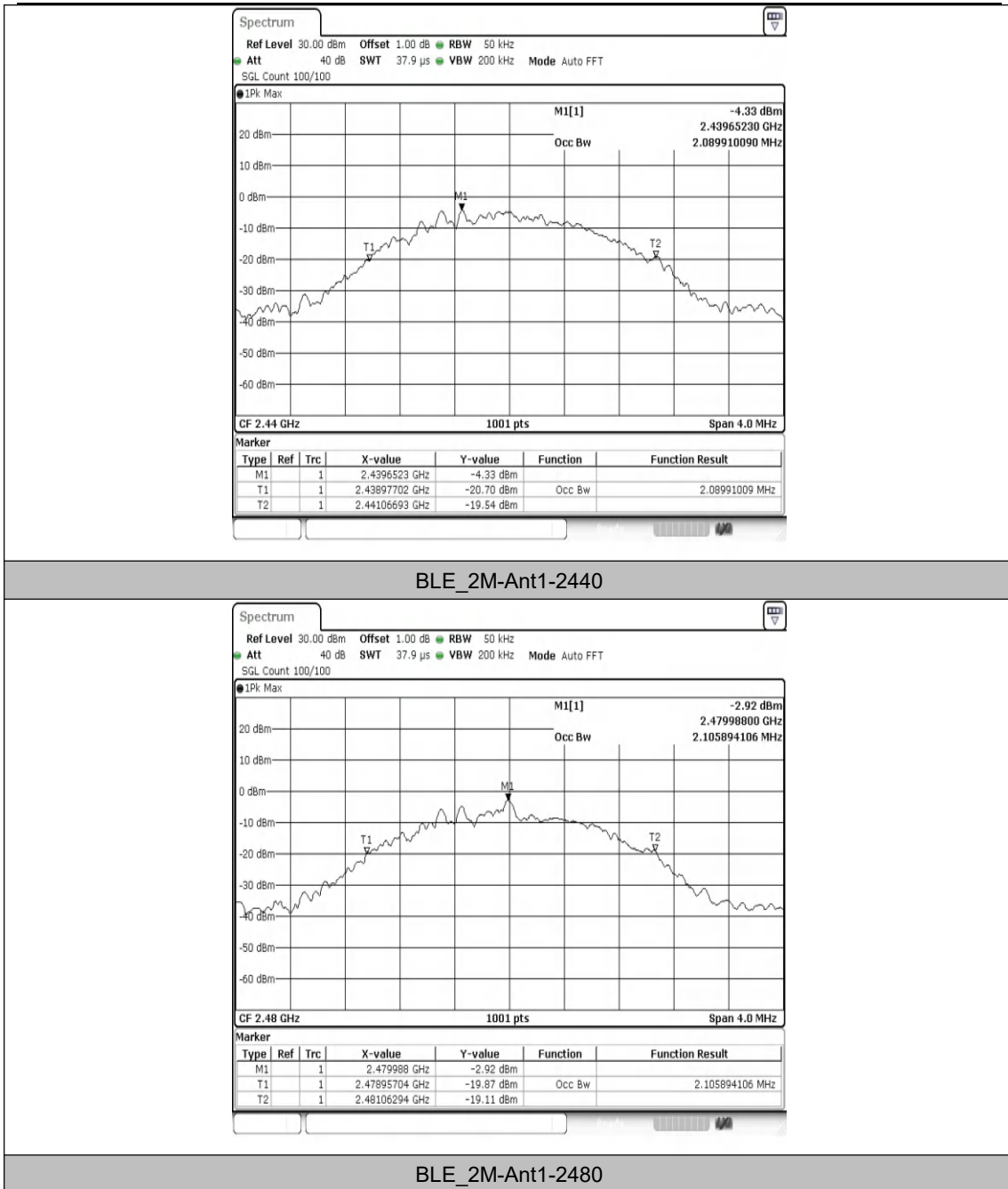
Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.1229	2401.4446	2402.5674	---	---
BLE_1M	Ant1	2440	1.1868	2439.4086	2440.5954	---	---
BLE_1M	Ant1	2480	1.2028	2479.4006	2480.6034	---	---
BLE_2M	Ant1	2402	2.0979	2400.9730	2403.0709	---	---
BLE_2M	Ant1	2440	2.0899	2438.9770	2441.0669	---	---
BLE_2M	Ant1	2480	2.1059	2478.9570	2481.0629	---	---

Test Graphs





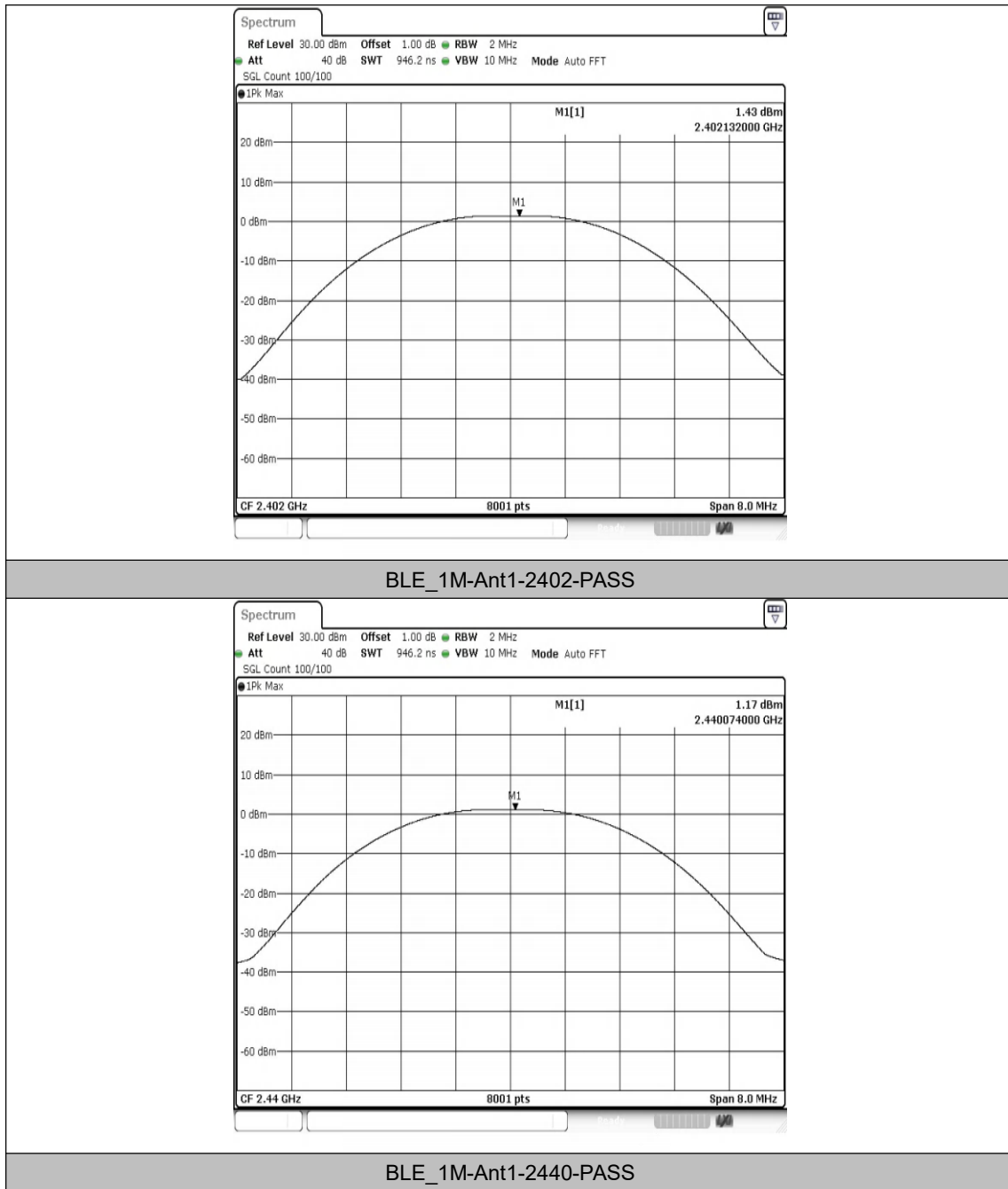


Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.43	≤30	PASS
BLE_1M	Ant1	2440	1.17	≤30	PASS
BLE_1M	Ant1	2480	0.40	≤30	PASS
BLE_2M	Ant1	2402	1.48	≤30	PASS
BLE_2M	Ant1	2440	1.21	≤30	PASS
BLE_2M	Ant1	2480	0.38	≤30	PASS

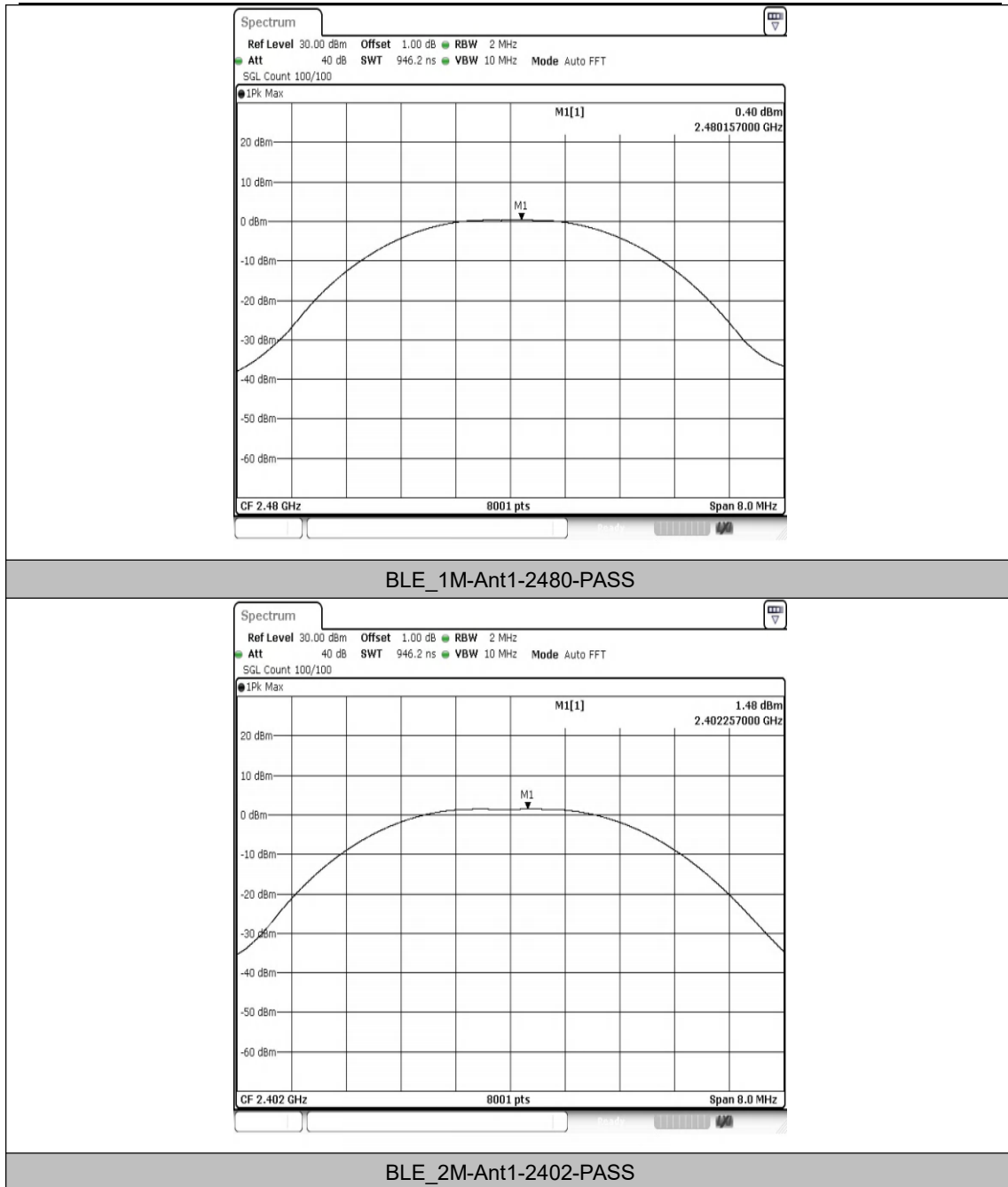
Test Graphs Peak



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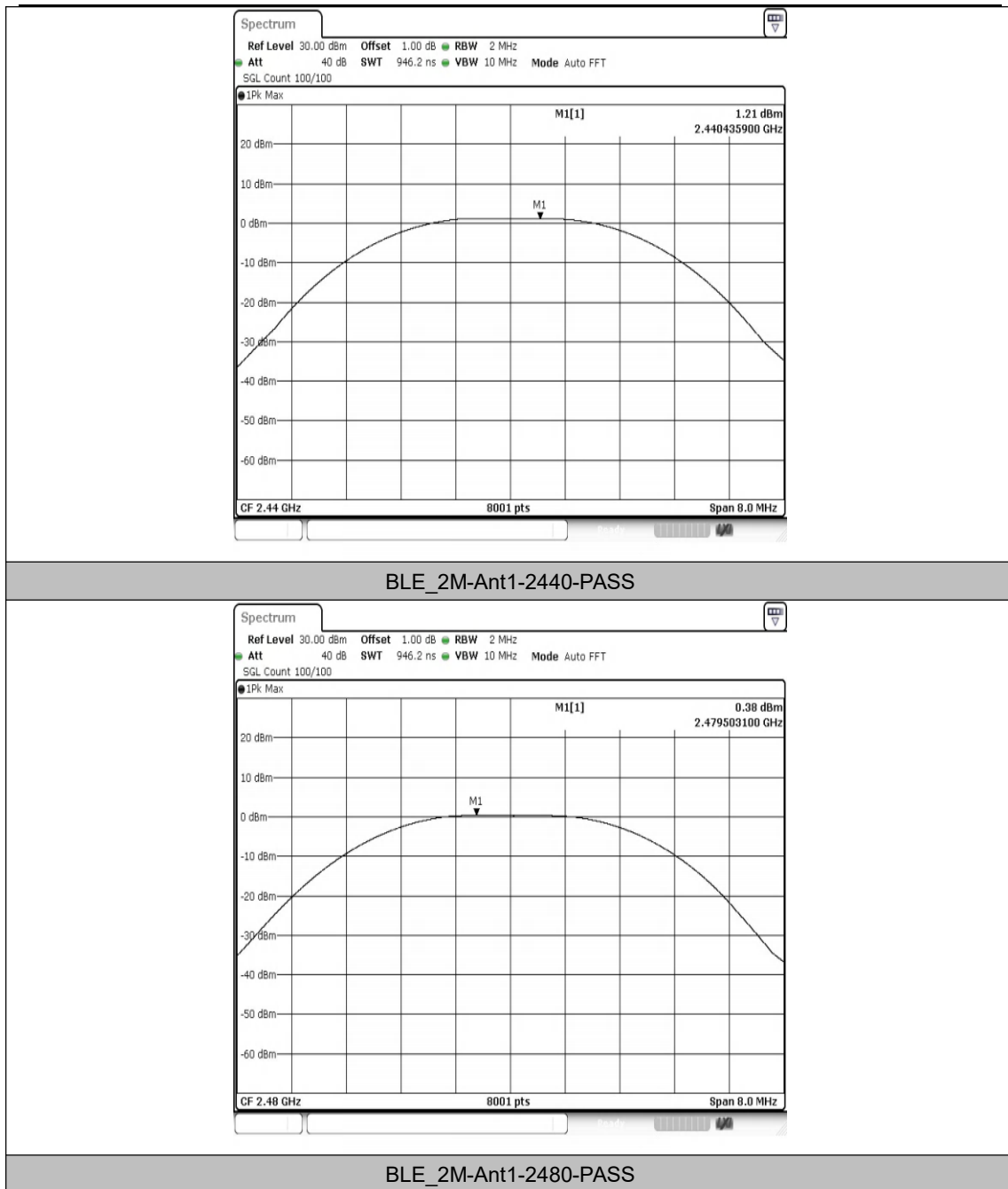
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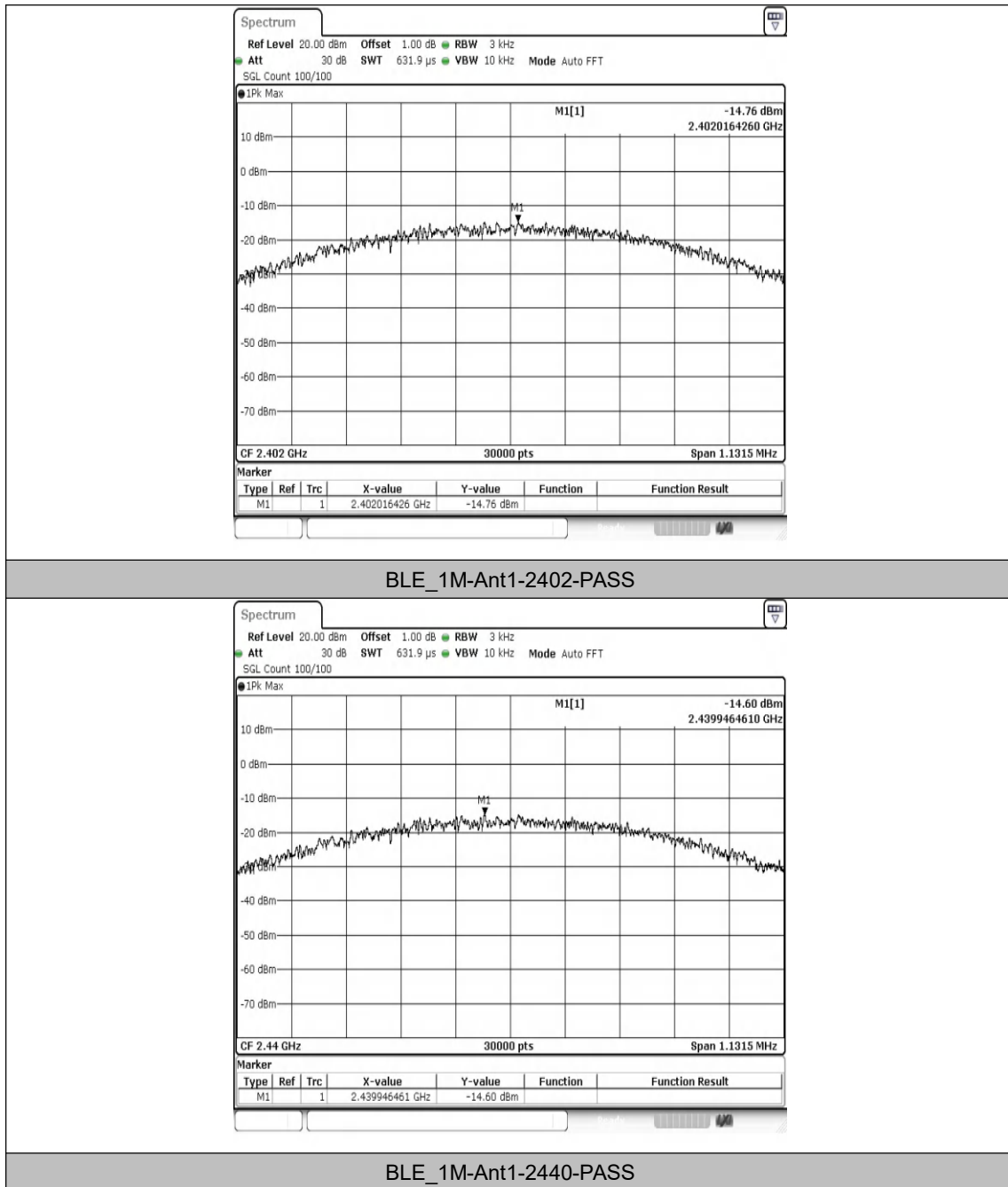
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.76	≤8.00	PASS
BLE_1M	Ant1	2440	-14.60	≤8.00	PASS
BLE_1M	Ant1	2480	-16.02	≤8.00	PASS
BLE_2M	Ant1	2402	-18.19	≤8.00	PASS
BLE_2M	Ant1	2440	-17.79	≤8.00	PASS
BLE_2M	Ant1	2480	-18.79	≤8.00	PASS

Test Graphs



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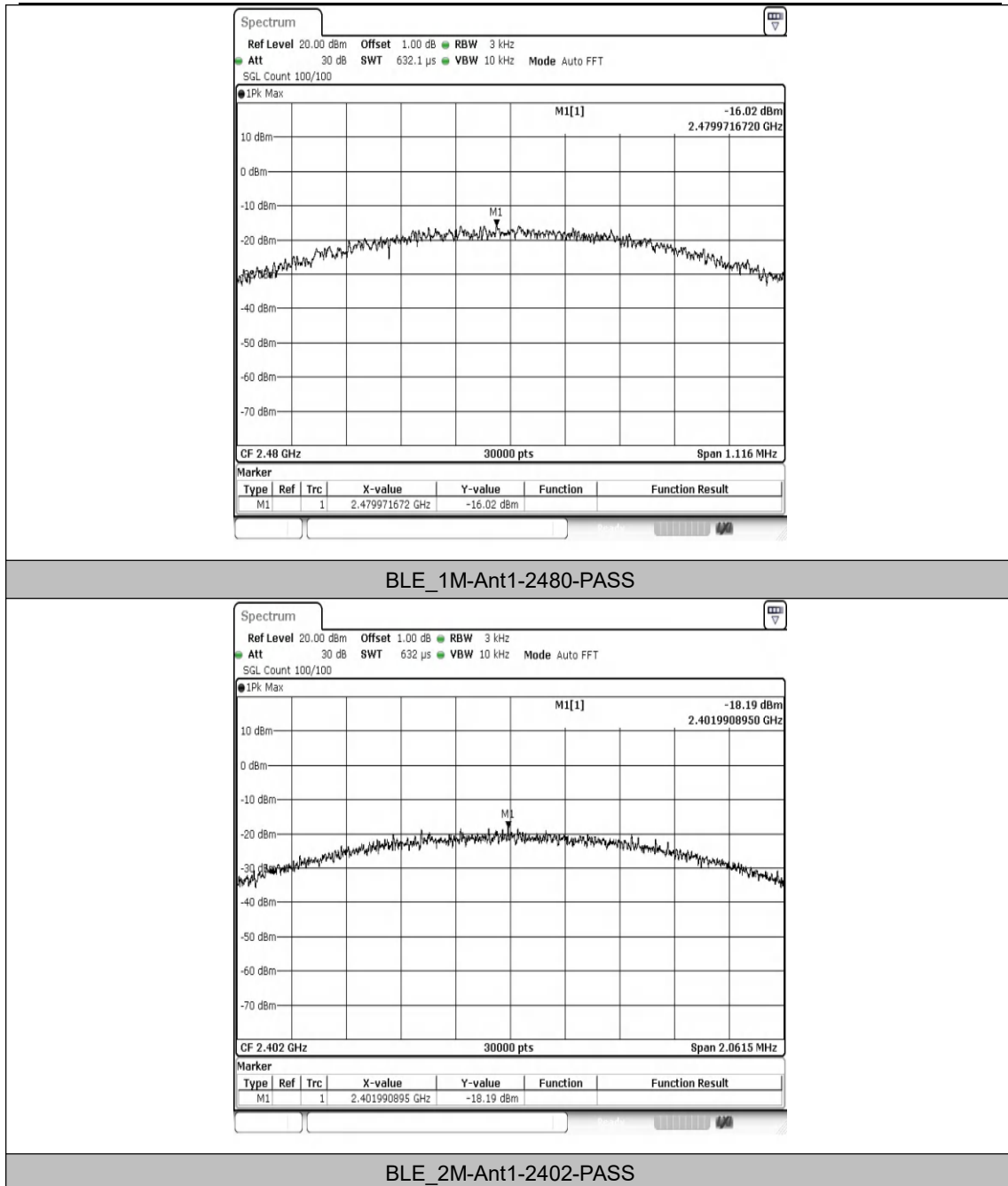
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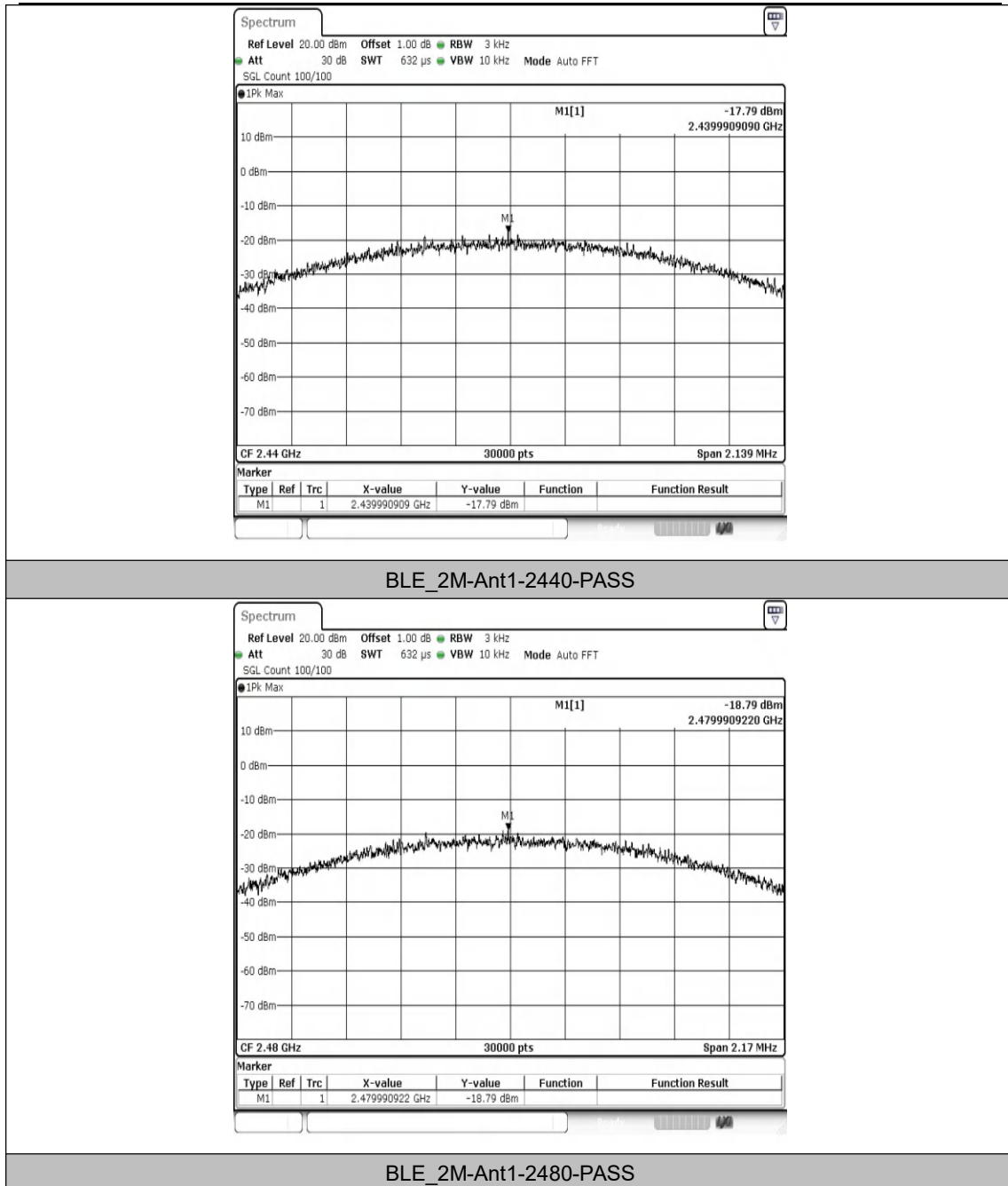
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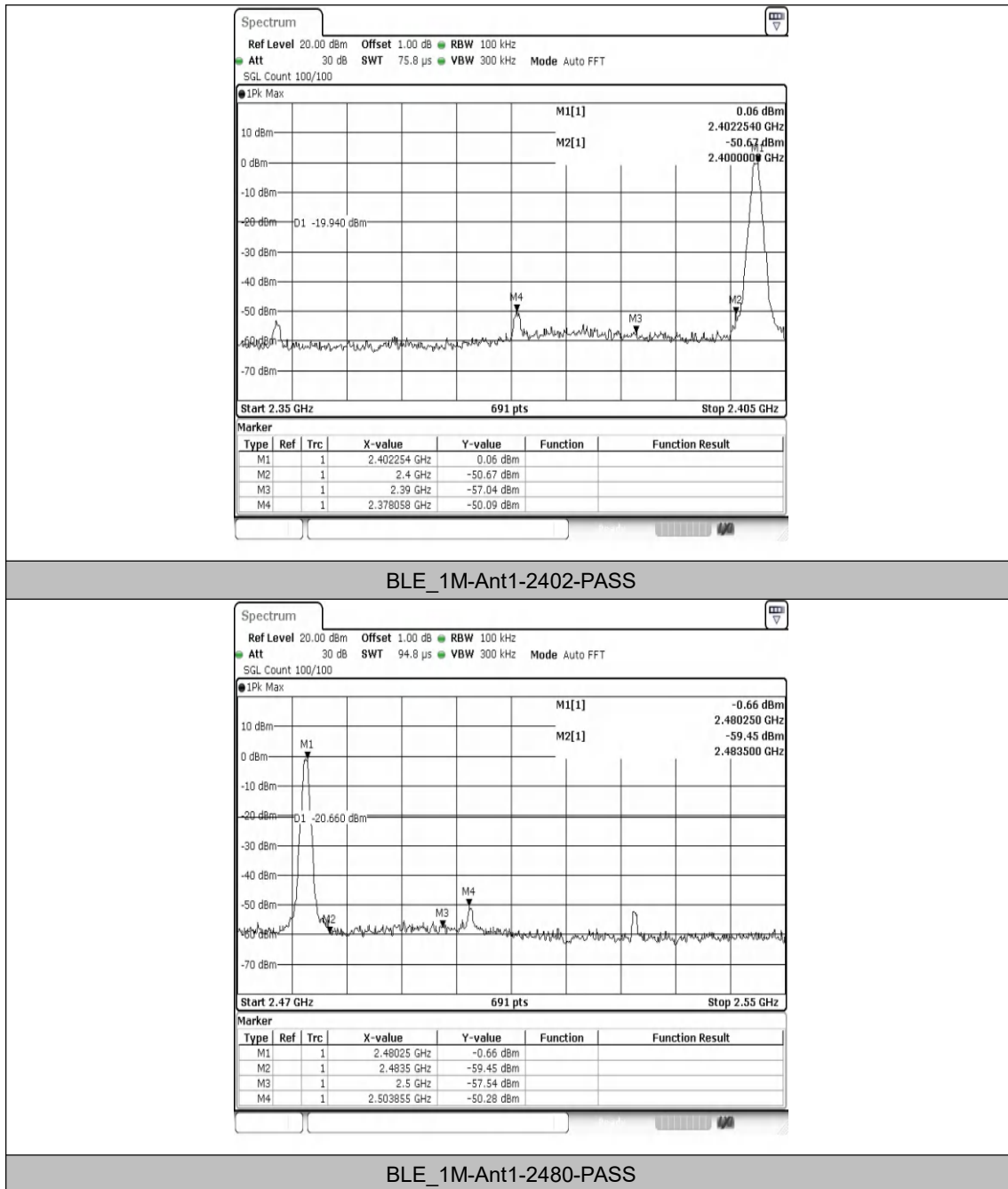
Appendix E: Band edge measurements

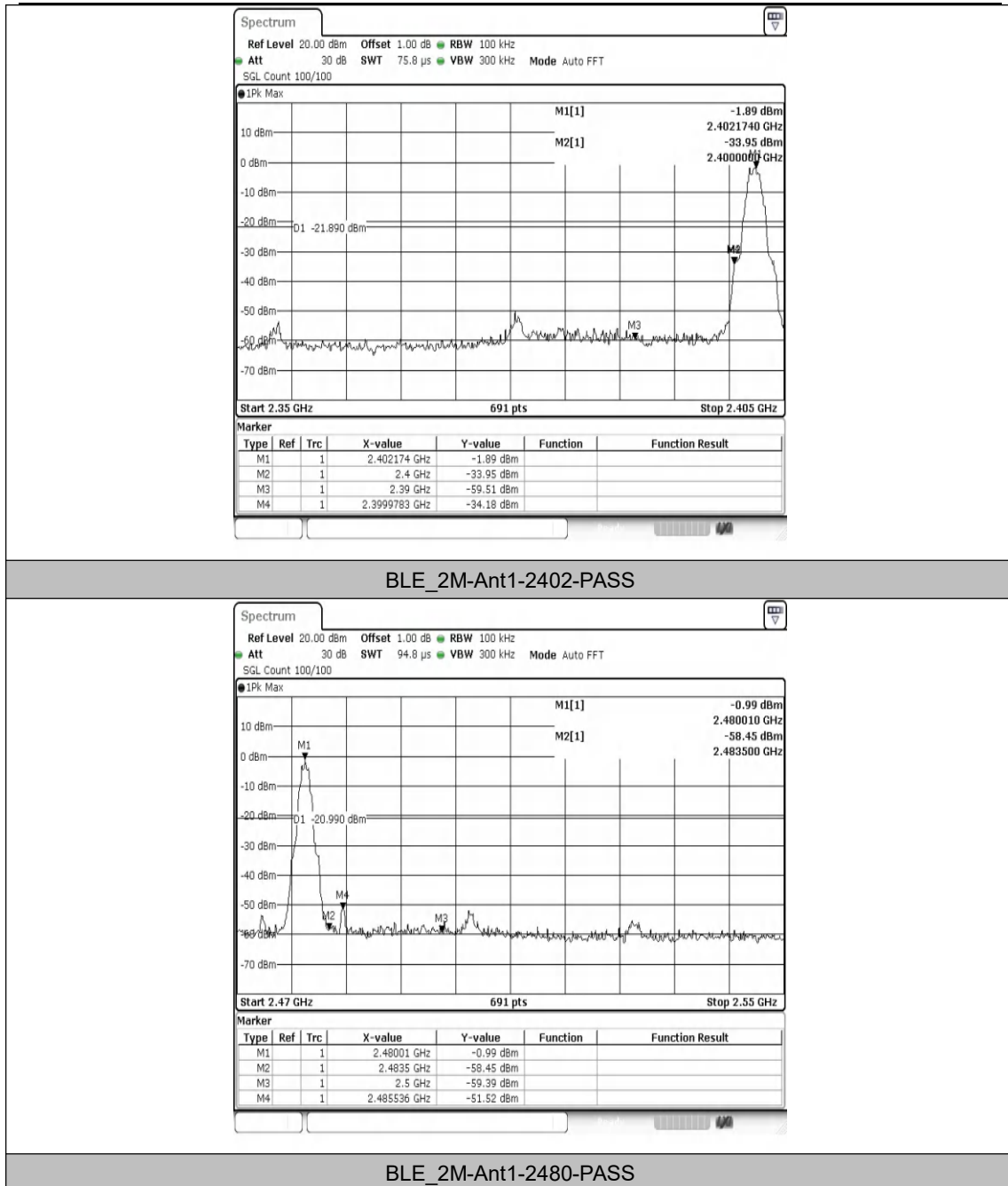
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.06	-50.09	≤-19.94	PASS
BLE_1M	Ant1	High	2480	-0.66	-50.28	≤-20.66	PASS
BLE_2M	Ant1	Low	2402	-1.89	-34.18	≤-21.89	PASS
BLE_2M	Ant1	High	2480	-0.99	-51.52	≤-20.99	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





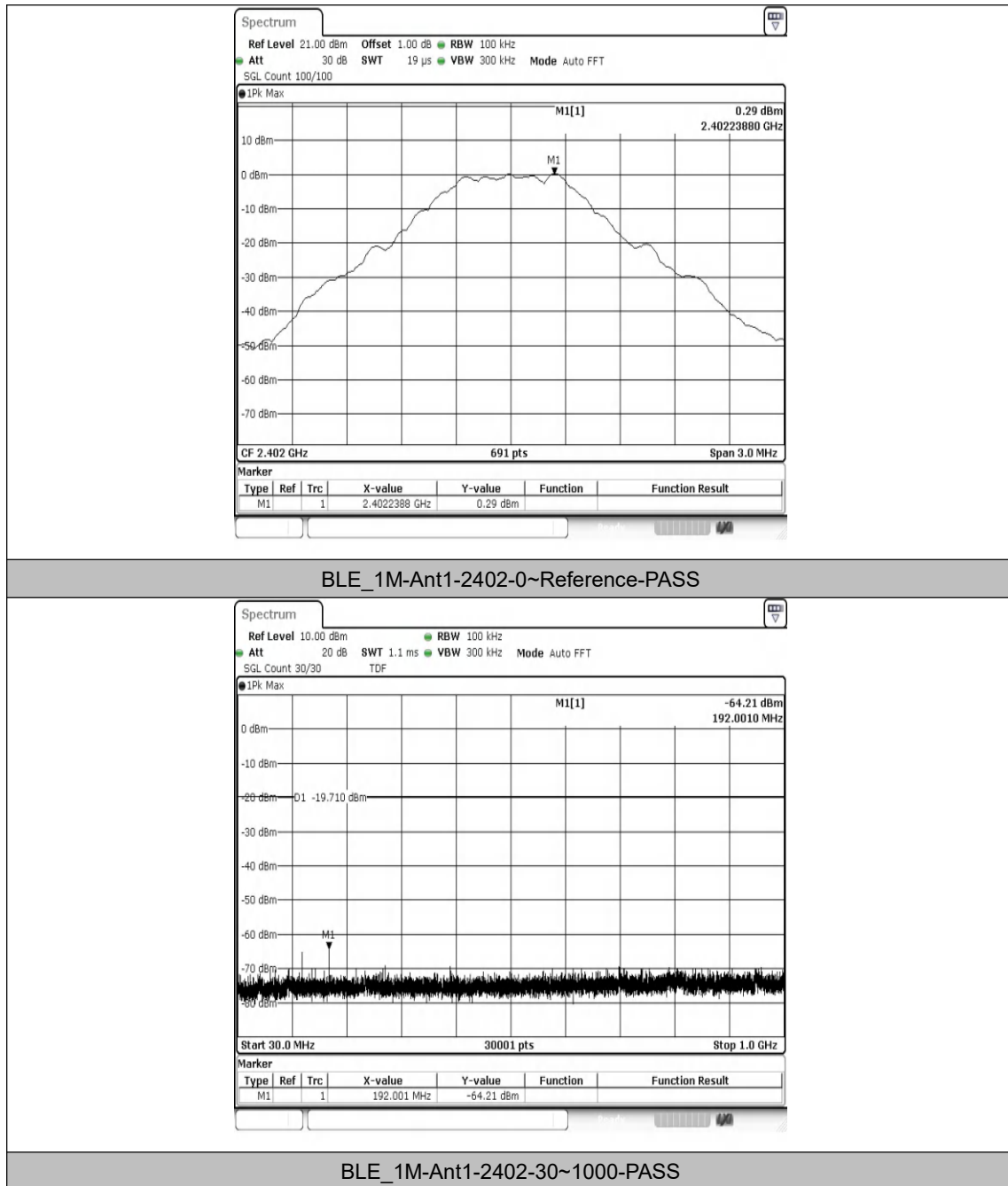
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	0.29	0.29	---	PASS
BLE_1M	Ant1	2402	30~1000	0.29	-64.21	≤-19.71	PASS
BLE_1M	Ant1	2402	1000~26500	0.29	-41.74	≤-19.71	PASS
BLE_1M	Ant1	2440	0~Reference	0.19	0.19	---	PASS
BLE_1M	Ant1	2440	30~1000	0.19	-64.93	≤-19.81	PASS
BLE_1M	Ant1	2440	1000~26500	0.19	-40.06	≤-19.81	PASS
BLE_1M	Ant1	2480	0~Reference	-0.76	-0.76	---	PASS
BLE_1M	Ant1	2480	30~1000	-0.76	-57.2	≤-20.76	PASS
BLE_1M	Ant1	2480	1000~26500	-0.76	-38.2	≤-20.76	PASS
BLE_2M	Ant1	2402	0~Reference	-0.88	-0.88	---	PASS
BLE_2M	Ant1	2402	30~1000	-0.88	-55.63	≤-20.88	PASS
BLE_2M	Ant1	2402	1000~26500	-0.88	-41.74	≤-20.88	PASS
BLE_2M	Ant1	2440	0~Reference	0.58	0.58	---	PASS
BLE_2M	Ant1	2440	30~1000	0.58	-62.99	≤-19.42	PASS
BLE_2M	Ant1	2440	1000~26500	0.58	-42.18	≤-19.42	PASS
BLE_2M	Ant1	2480	0~Reference	-2.86	-2.86	---	PASS
BLE_2M	Ant1	2480	30~1000	-2.86	-57.43	≤-22.86	PASS
BLE_2M	Ant1	2480	1000~26500	-2.86	-39.13	≤-22.86	PASS

Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose and attenuator factors have been set in the 'TDF' of the Spectrum Analyzer during the test.

Test Graphs



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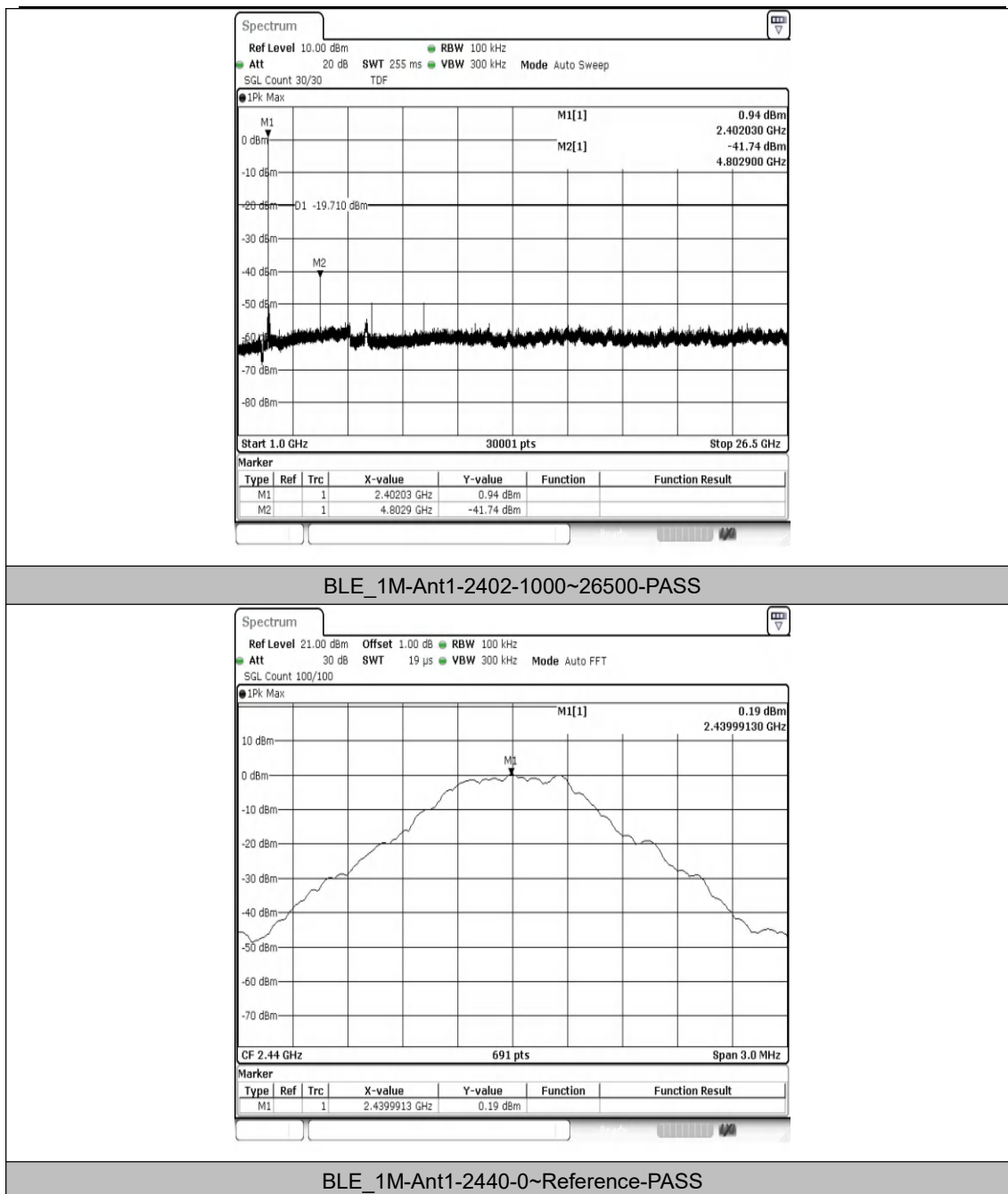
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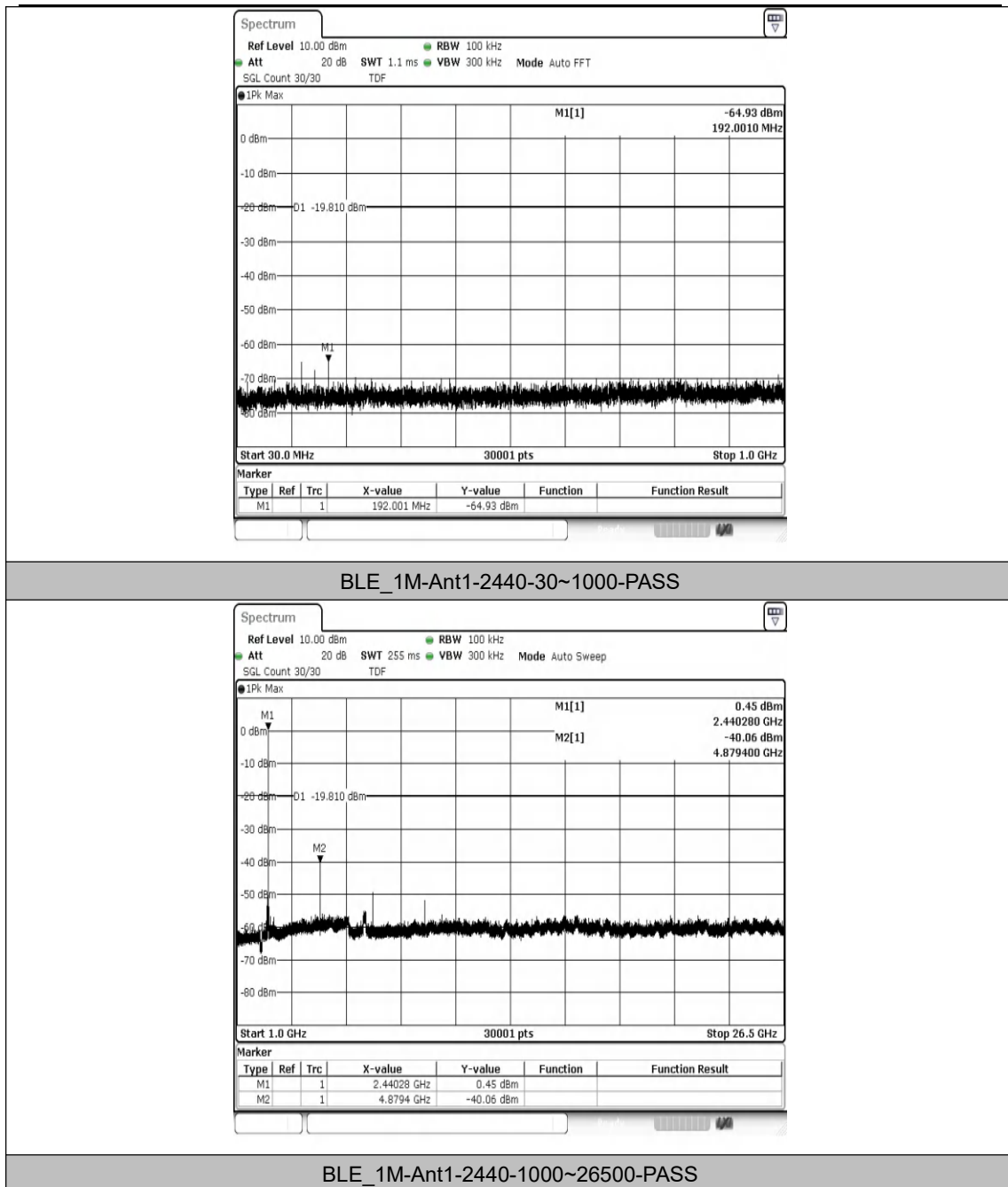
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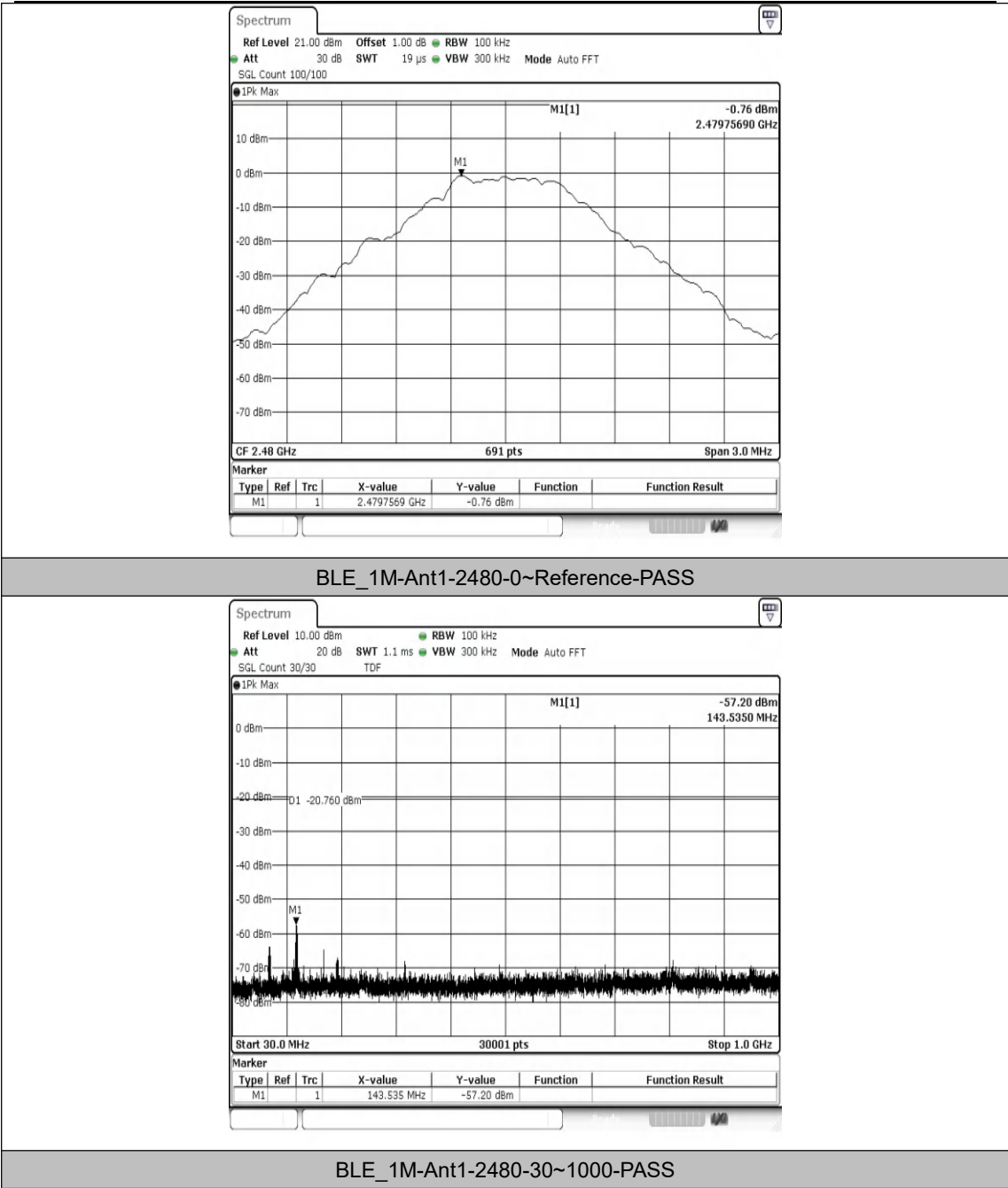


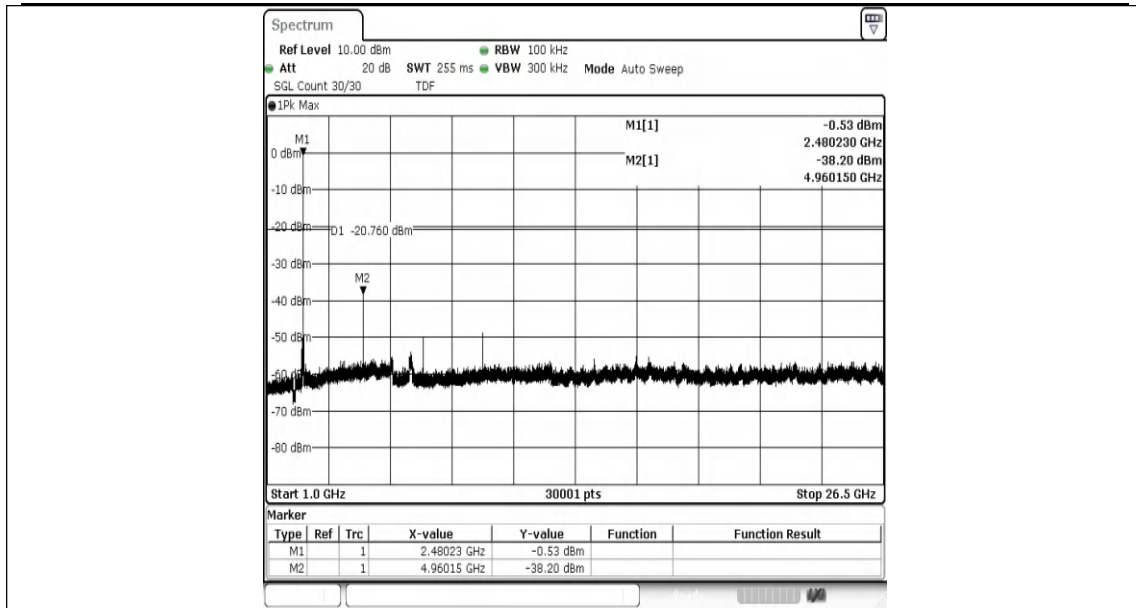
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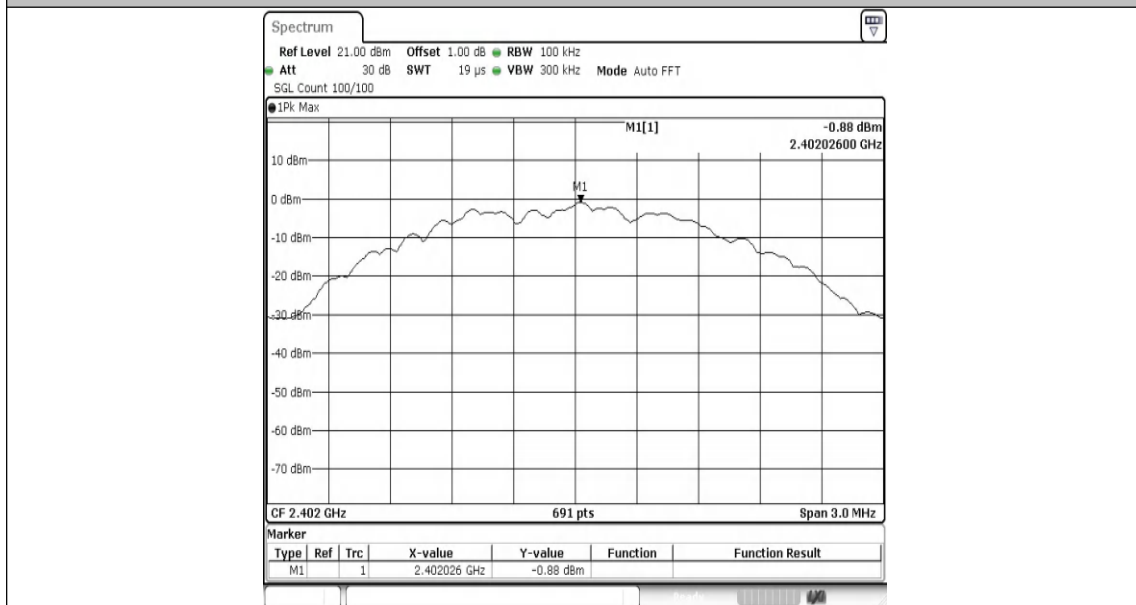




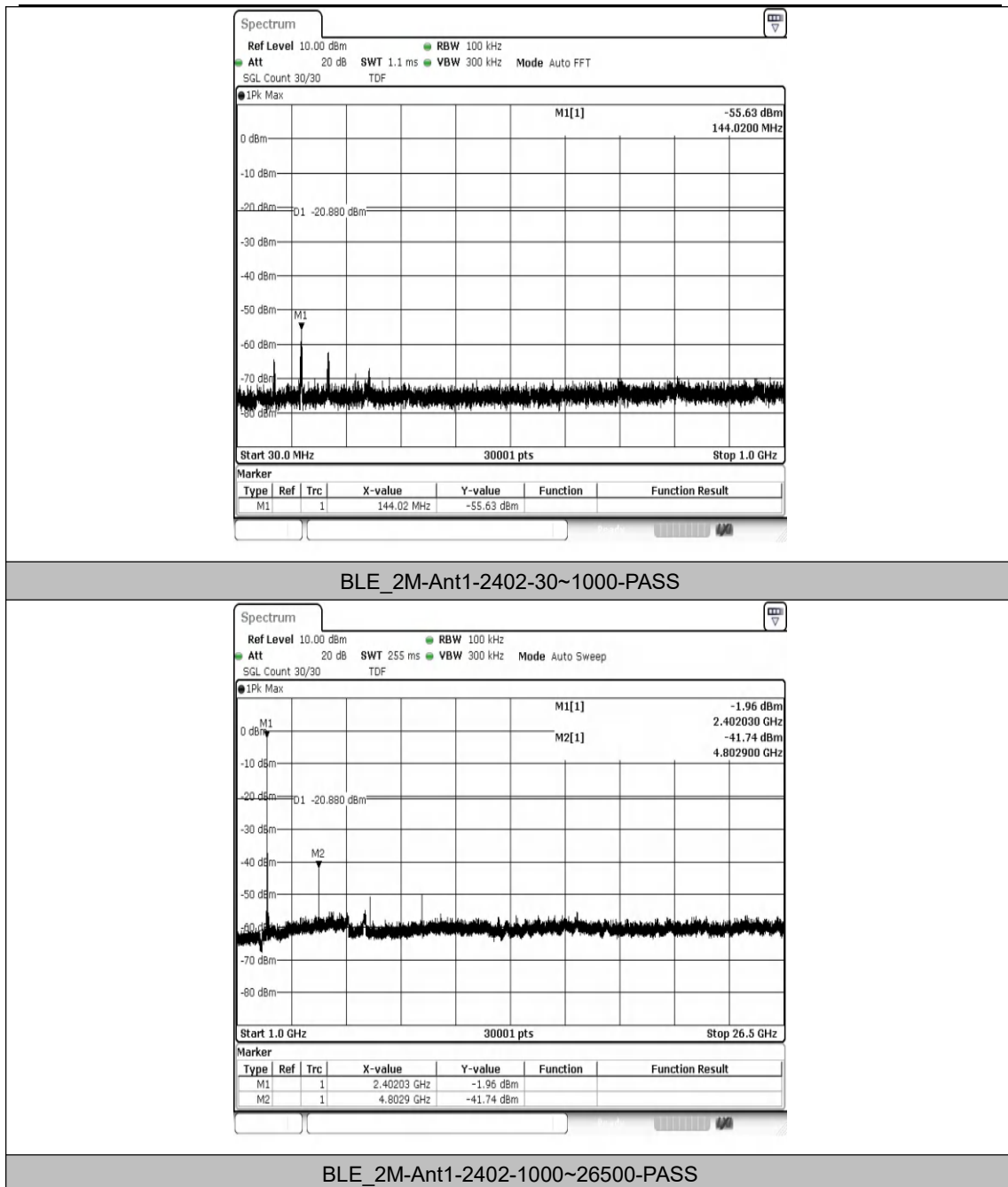


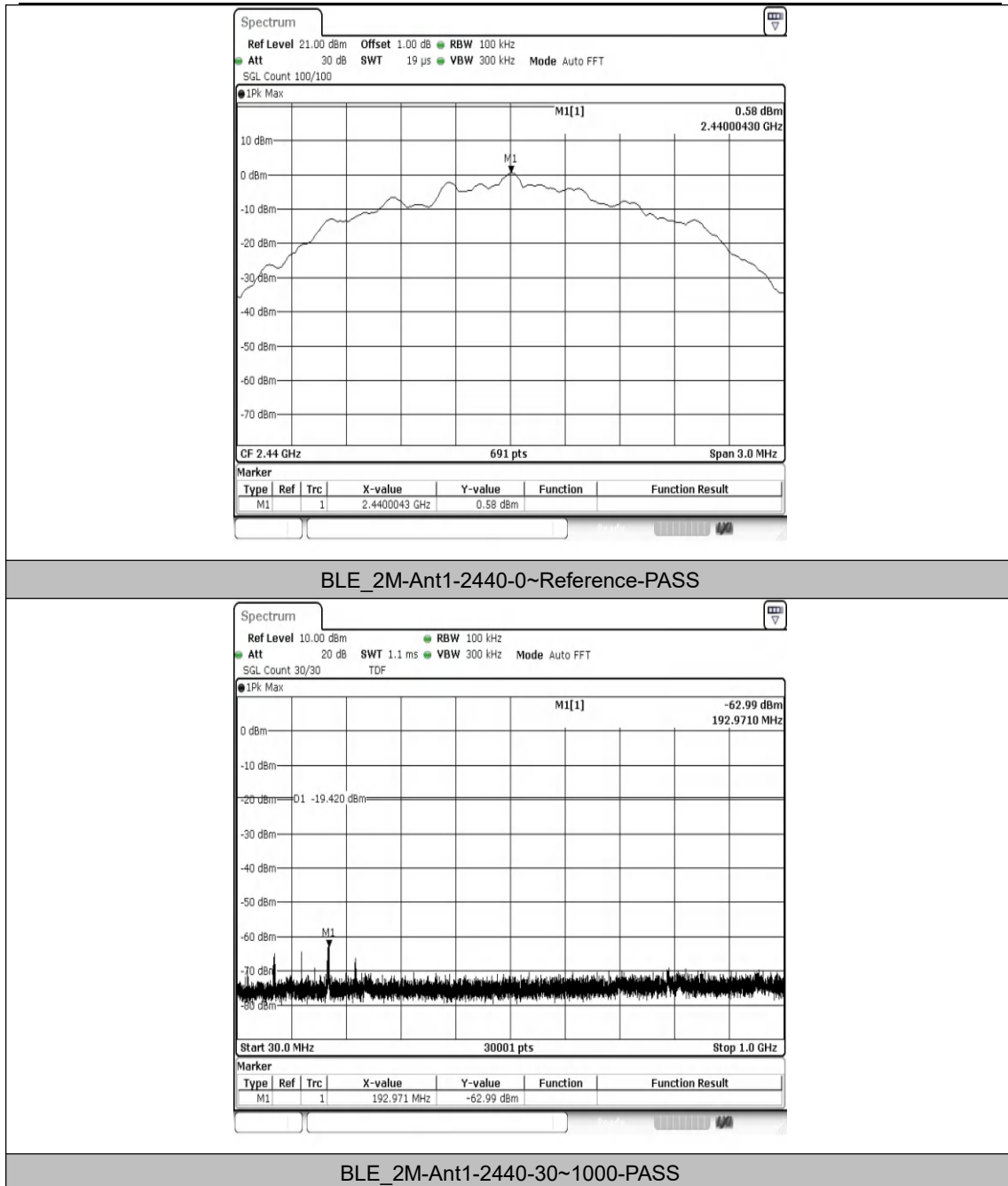


BLE_1M-Ant1-2480-1000~26500-PASS



BLE_2M-Ant1-2402-0~Reference-PASS





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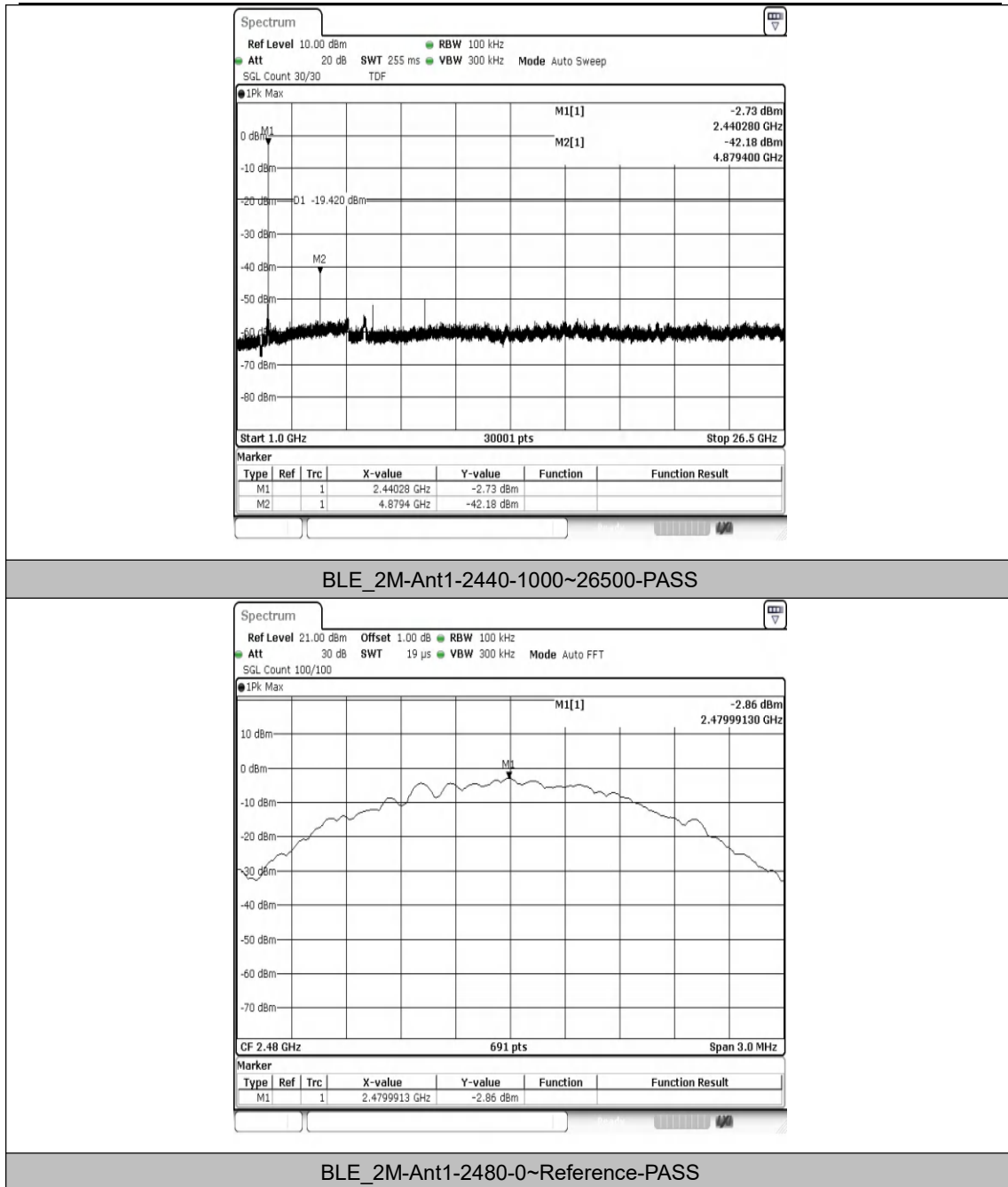
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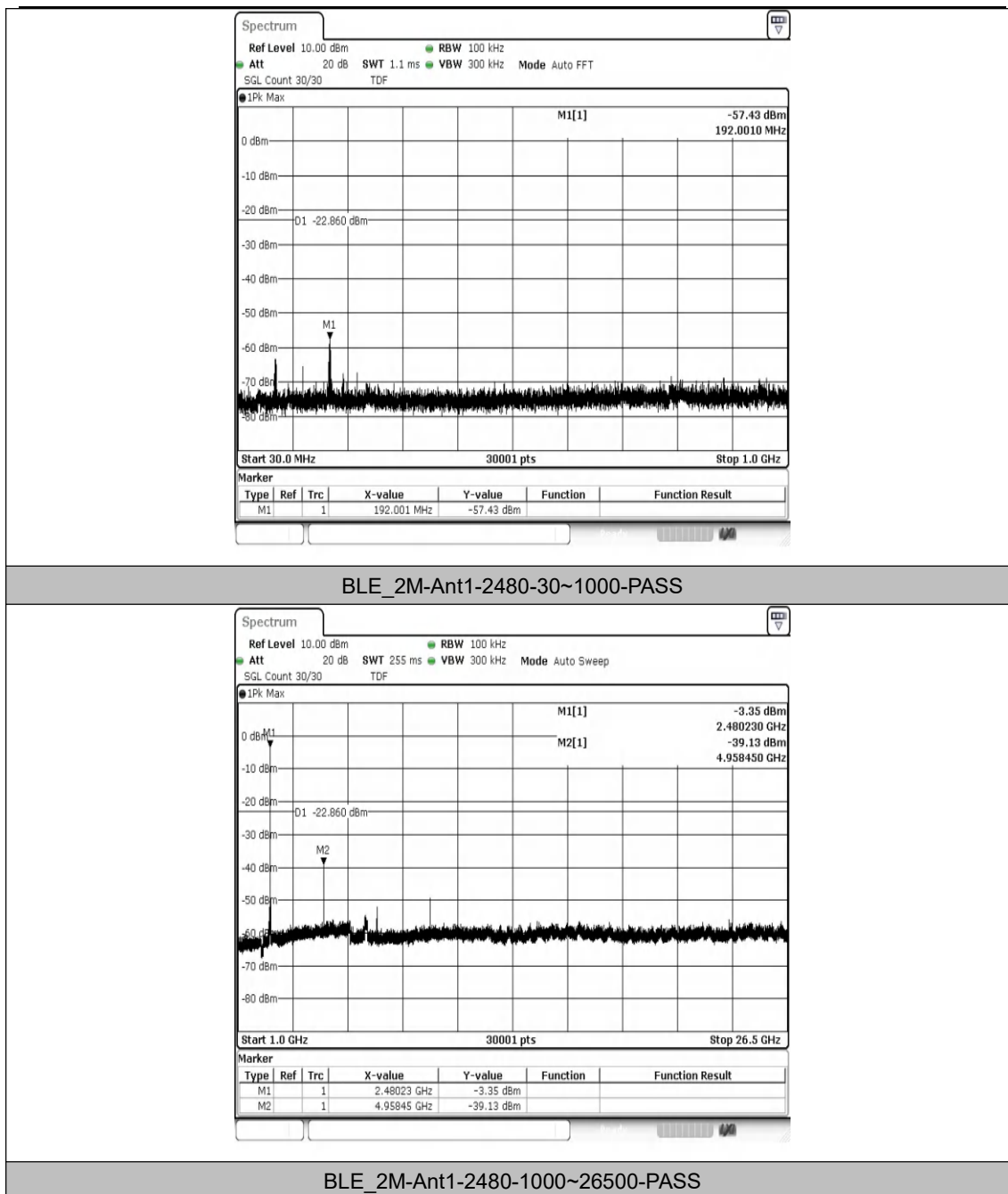
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Appendix G: Duty Cycle

Test Result

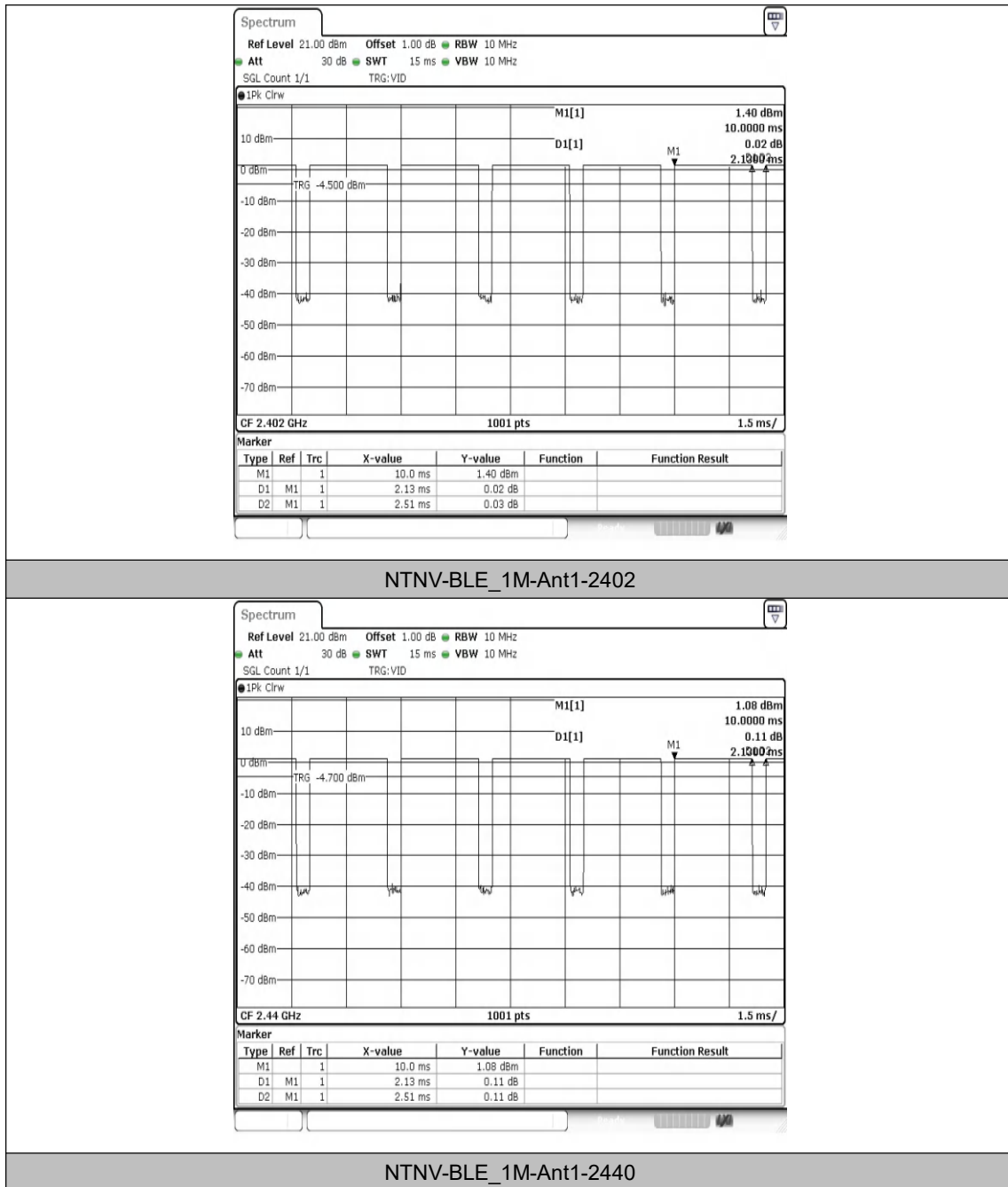
Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.51	84.86	0.71
BLE_1M	Ant1	2440	2.13	2.51	84.86	0.71
BLE_1M	Ant1	2480	2.13	2.51	84.86	0.71
BLE_2M	Ant1	2402	1.08	2.50	43.20	3.65
BLE_2M	Ant1	2440	1.08	2.50	43.20	3.65
BLE_2M	Ant1	2480	1.08	2.50	43.20	3.65

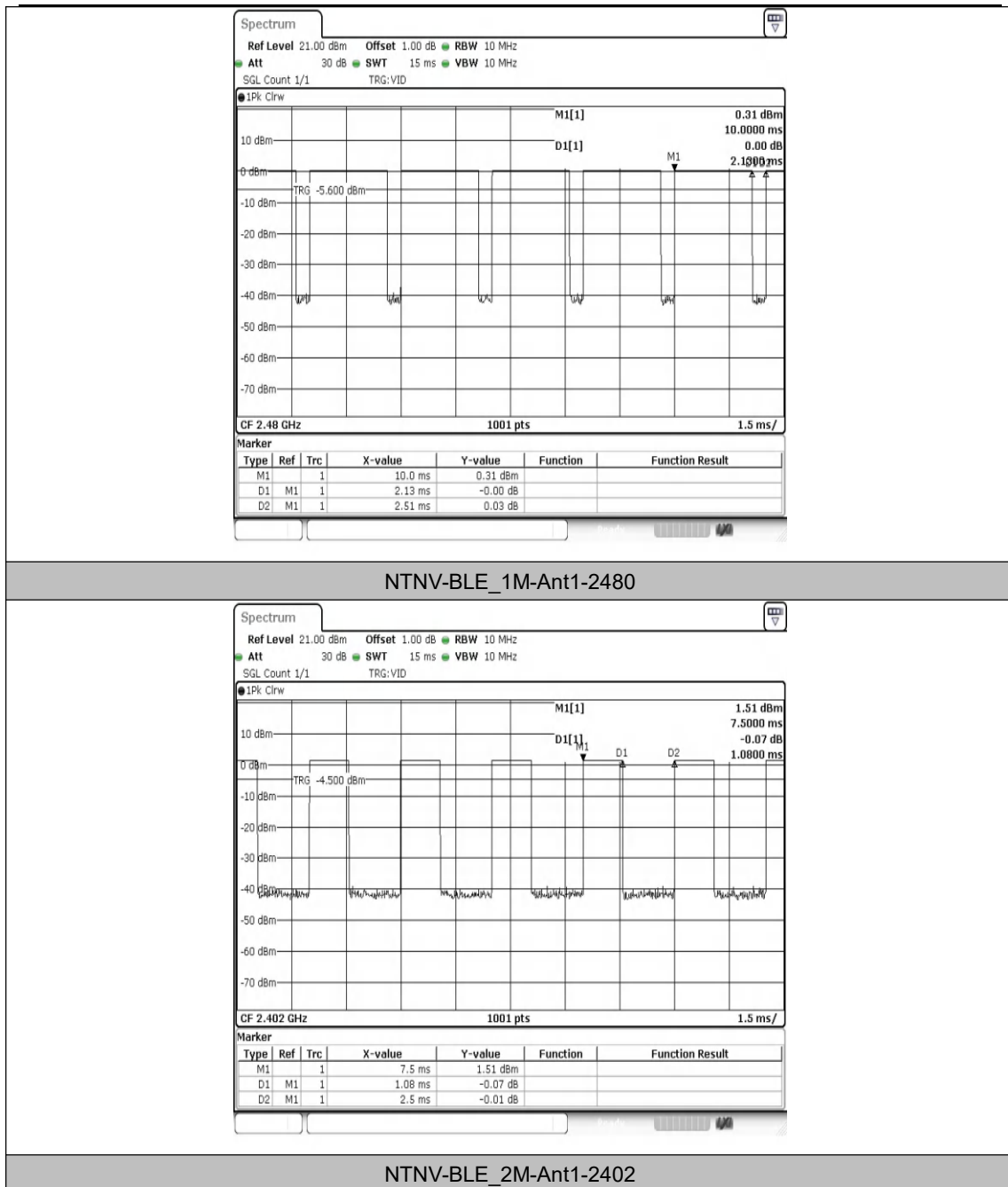
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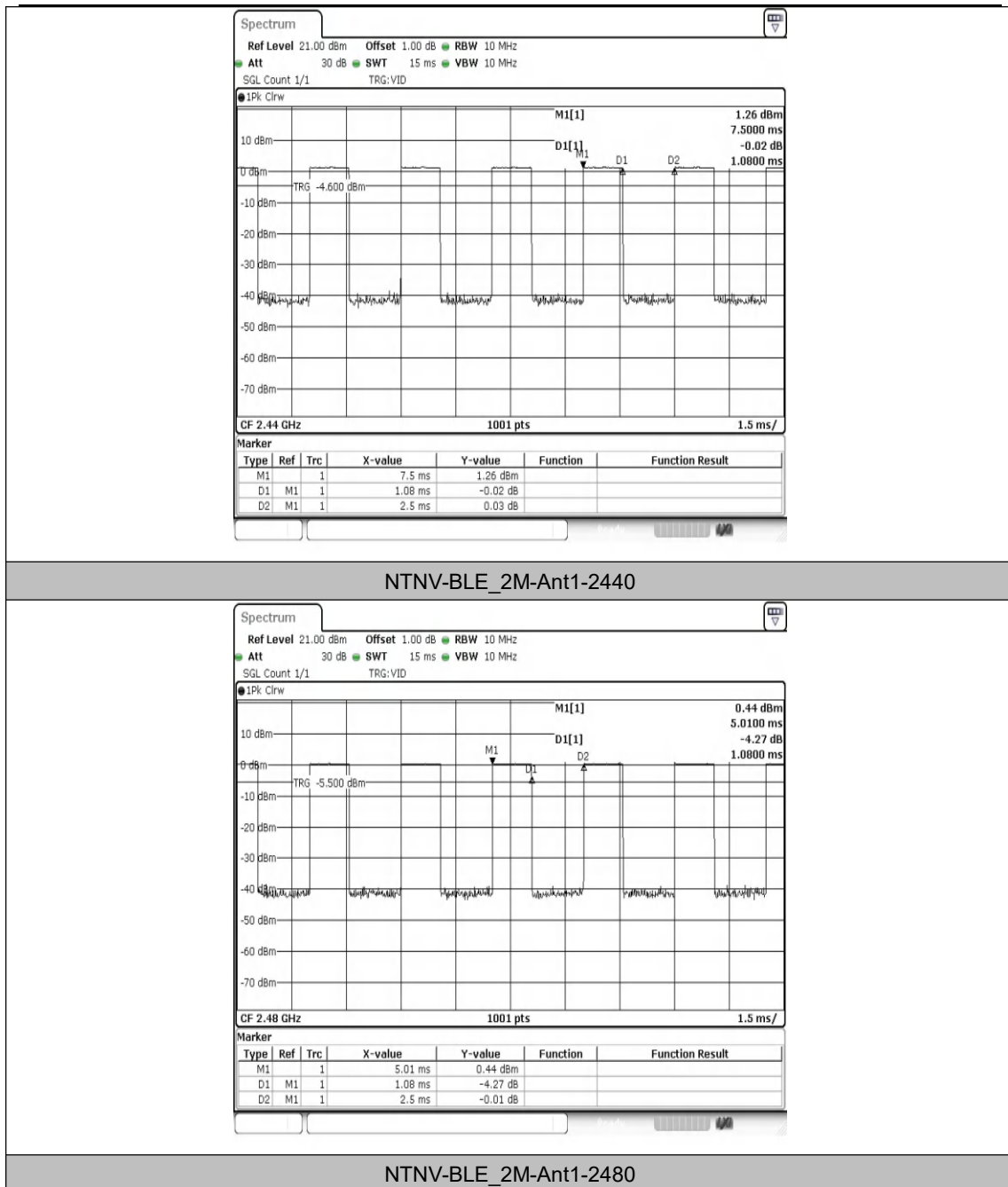
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Test Graphs







---End---