

Appendix Test Data

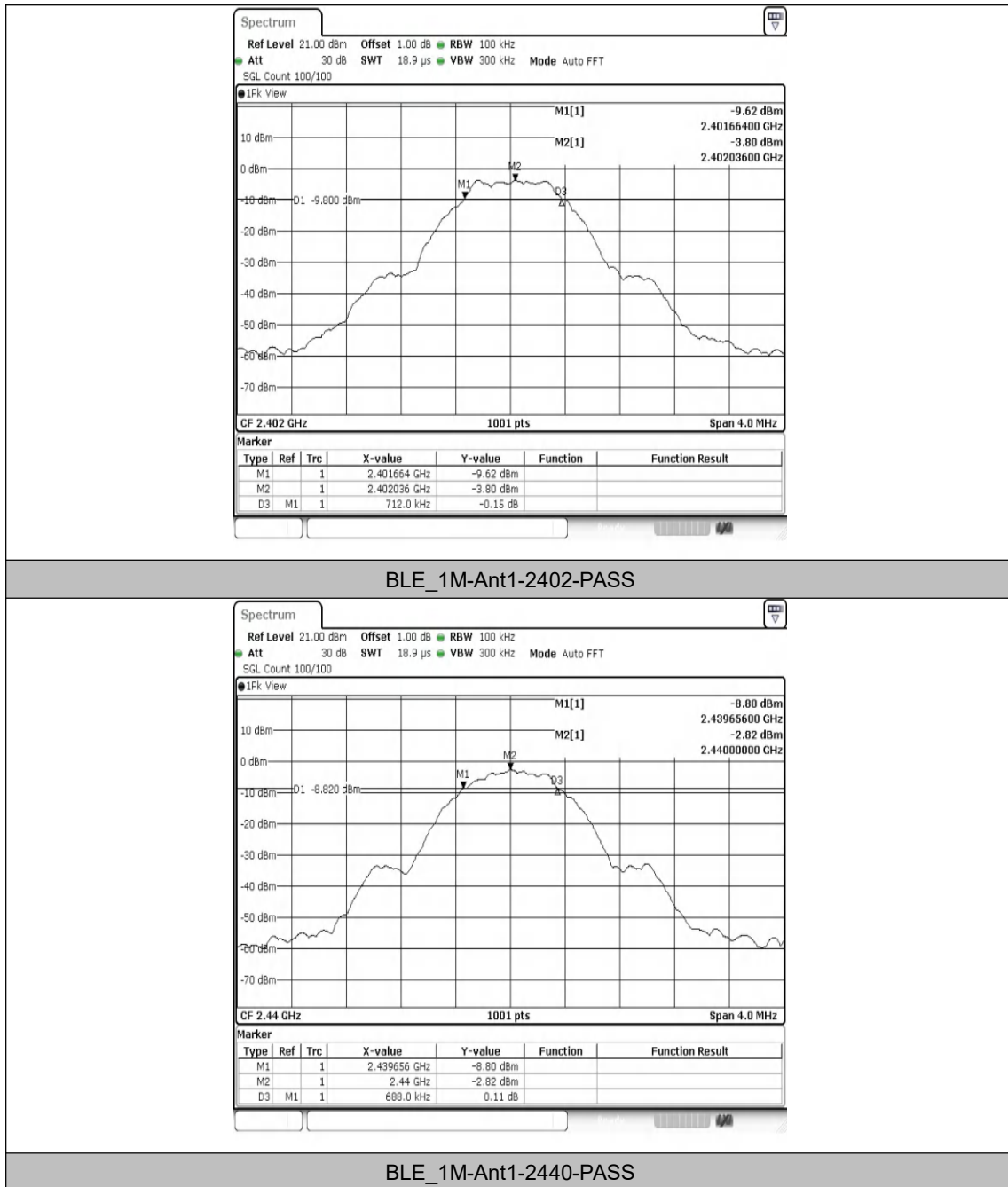
Report No.:	1814C50127412501	Test Sample No.:	1-2-2
Start Test Date:	2025-5-12	Finish Test Date:	2025-5-14
Test Engineer:	Hansen Guan	Auditor:	Justin Feng
Temperature:	25.1°C	Relative Humidity:	51%
Pressure:	101kPa		

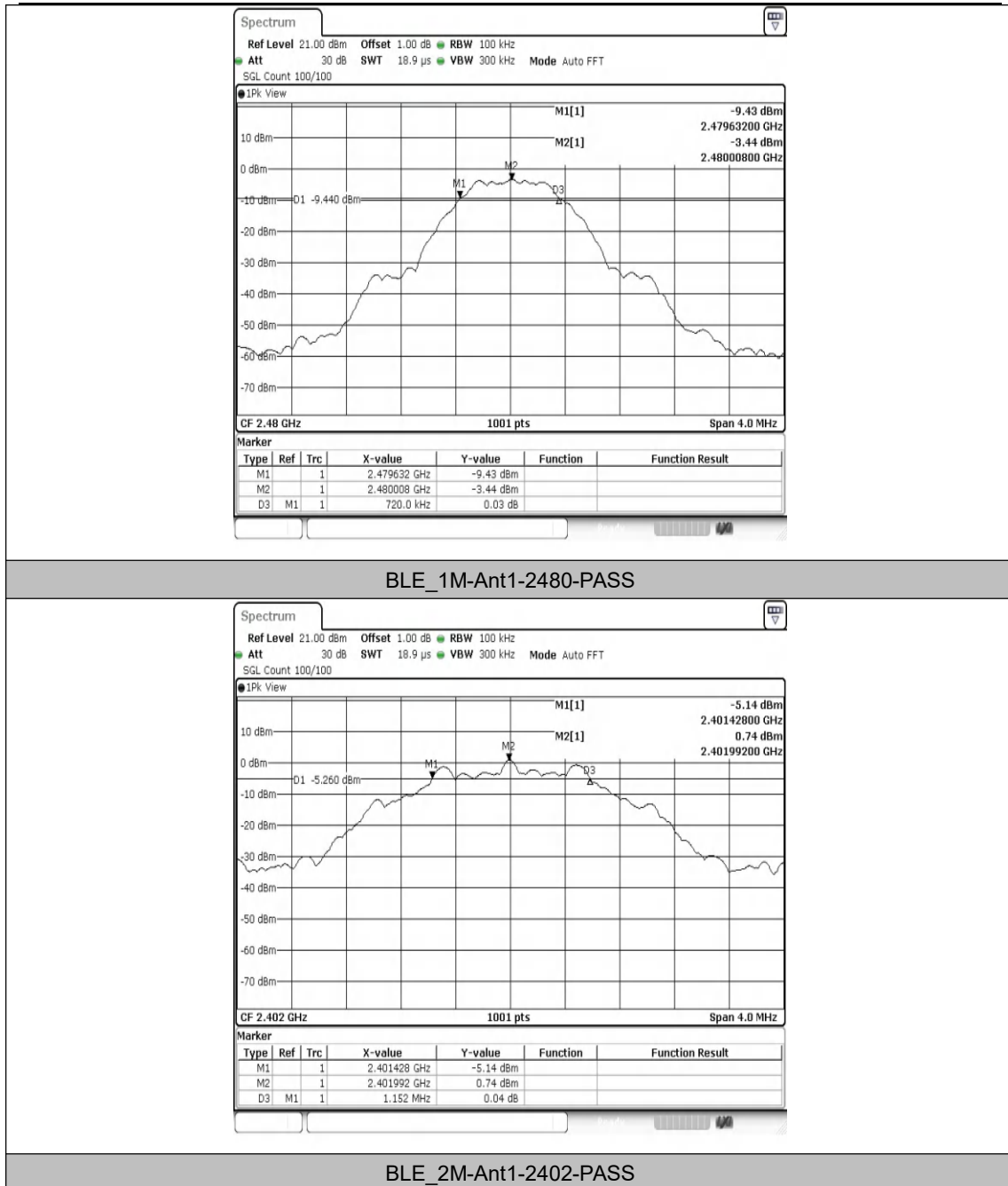
Appendix A: 6dB Bandwidth

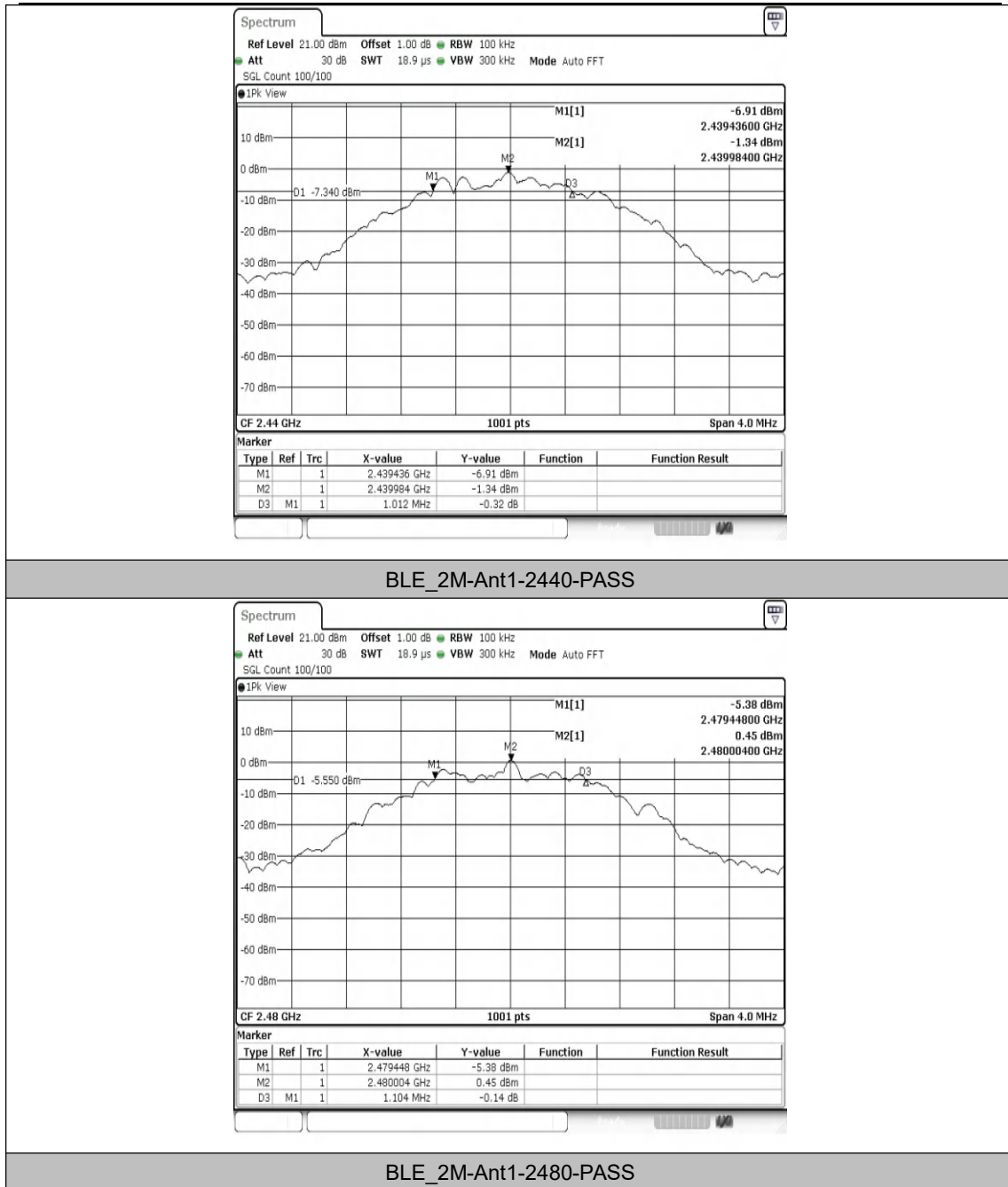
Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.71	2401.66	2402.38	0.5	PASS
BLE_1M	Ant1	2440	0.69	2439.66	2440.34	0.5	PASS
BLE_1M	Ant1	2480	0.72	2479.63	2480.35	0.5	PASS
BLE_2M	Ant1	2402	1.15	2401.43	2402.58	0.5	PASS
BLE_2M	Ant1	2440	1.01	2439.44	2440.45	0.5	PASS
BLE_2M	Ant1	2480	1.10	2479.45	2480.55	0.5	PASS

Test Graphs





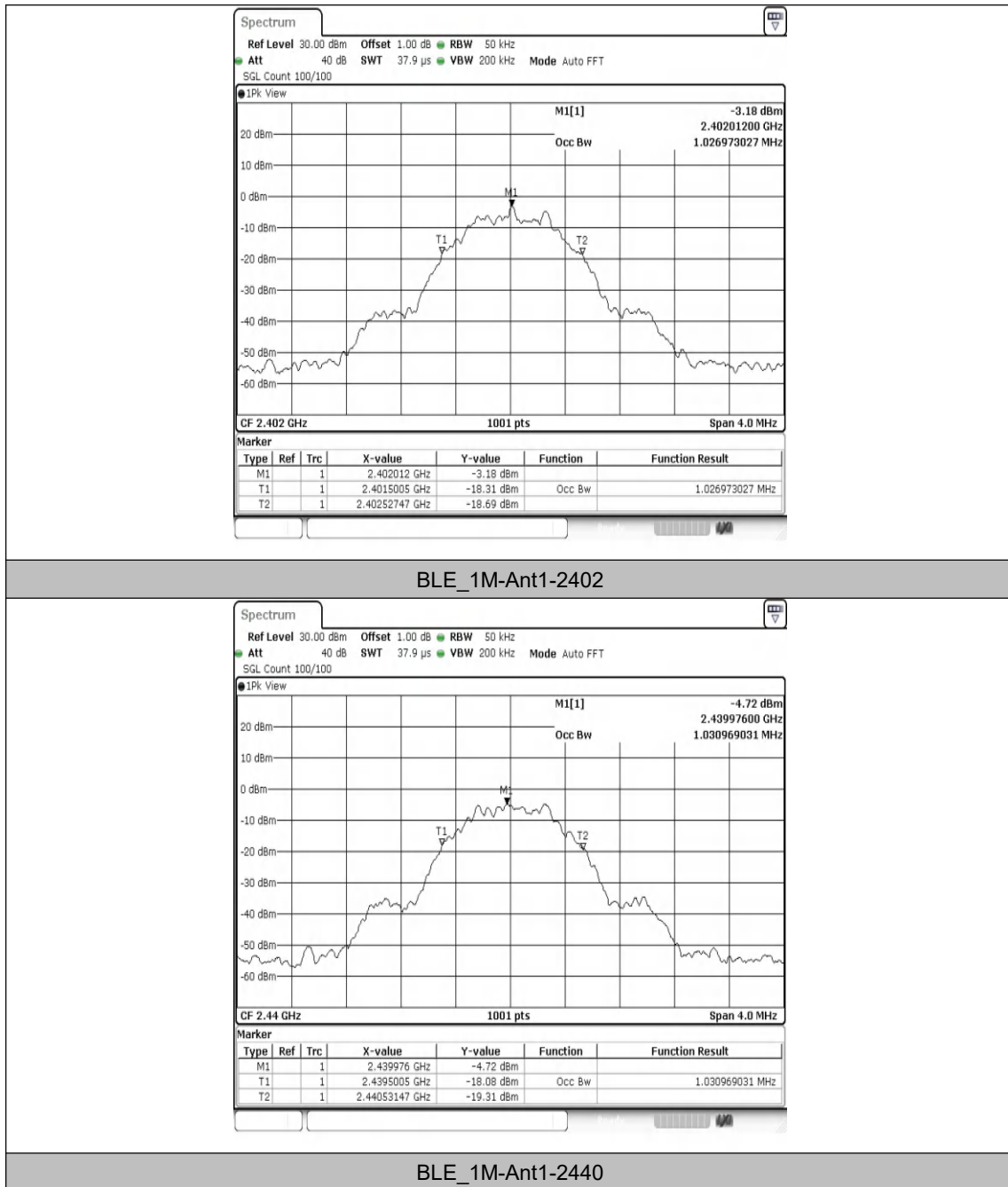


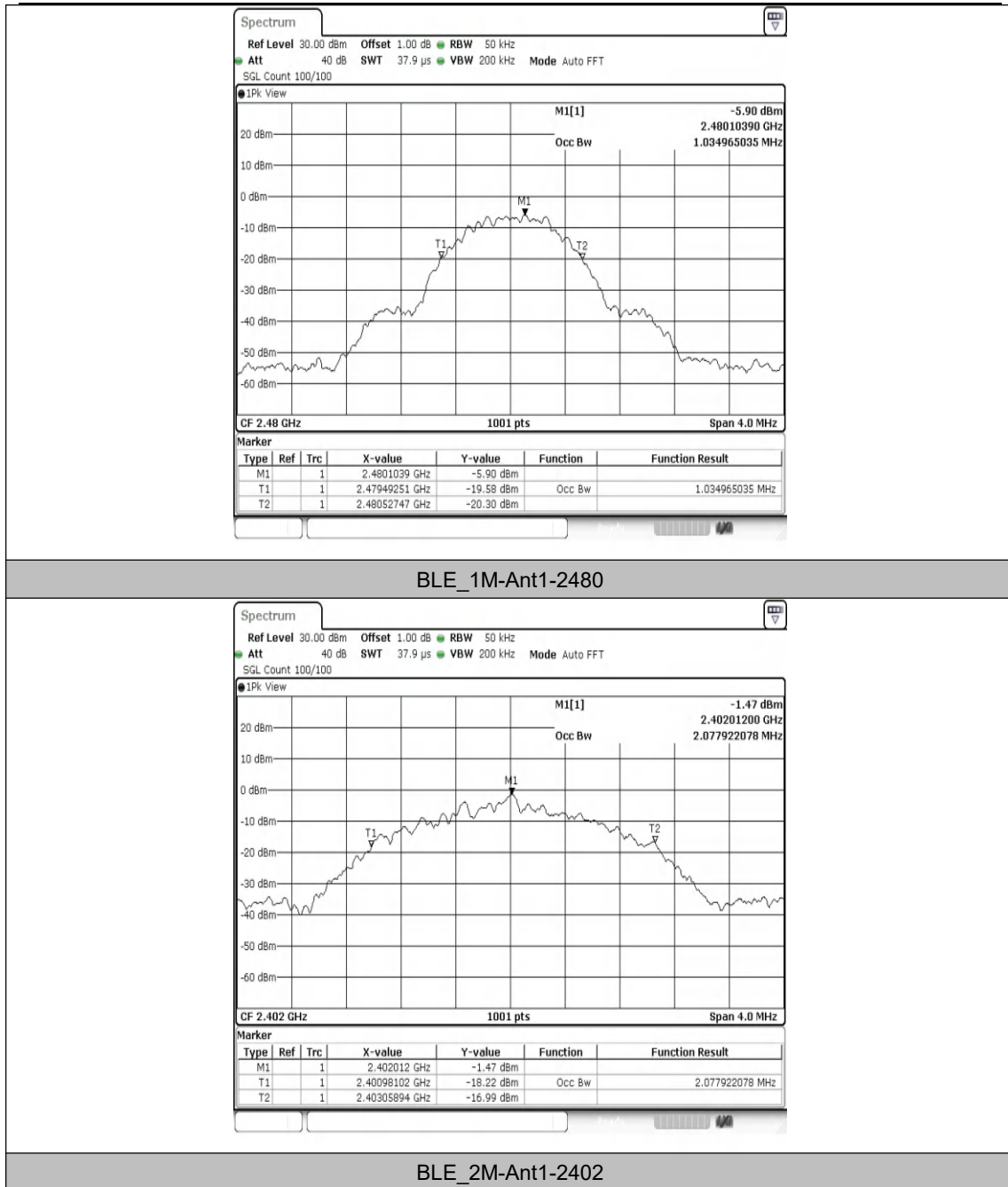
Appendix B: 99% Occupied Bandwidth

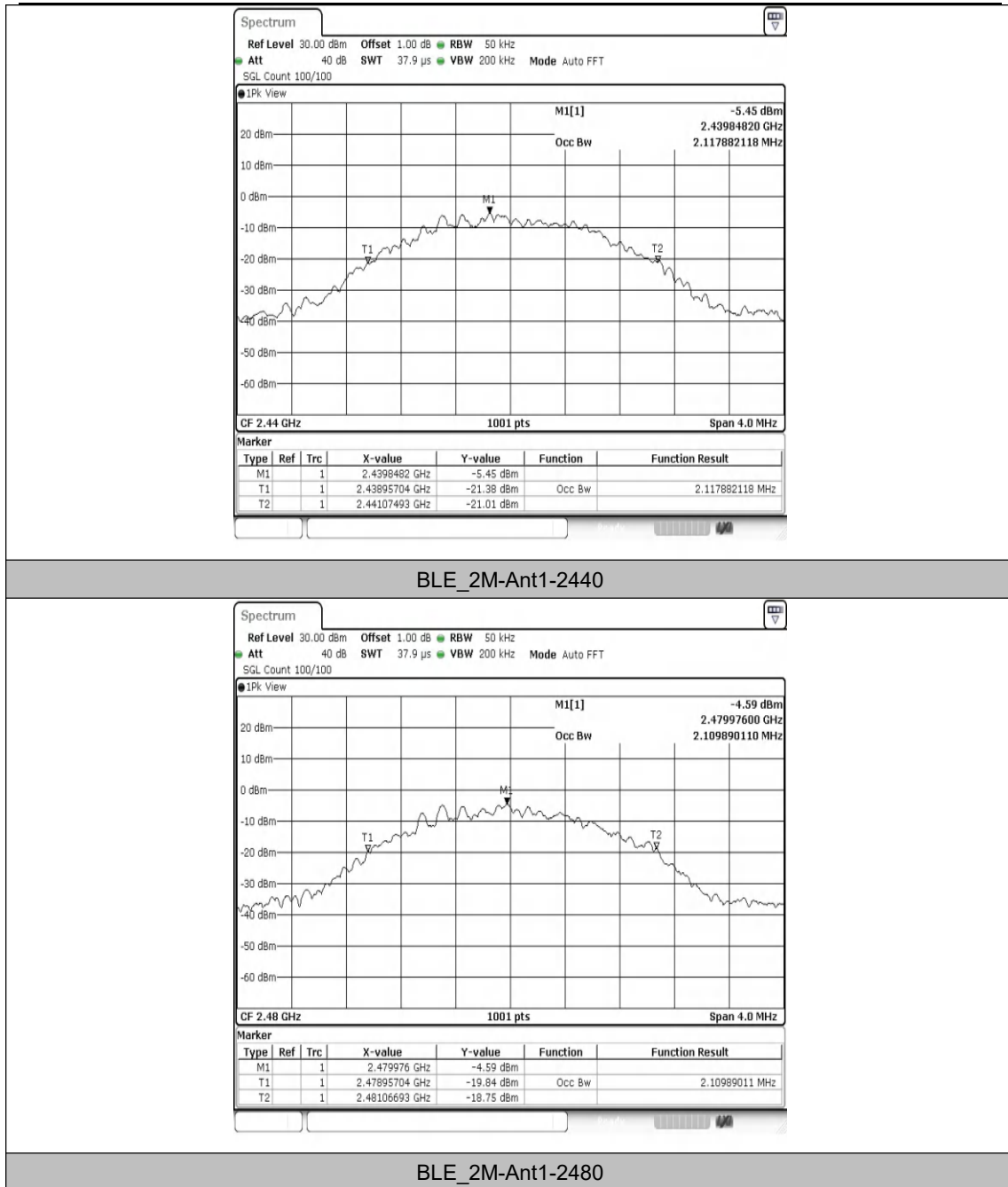
Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0270	2401.5005	2402.5275	---	---
BLE_1M	Ant1	2440	1.0310	2439.5005	2440.5315	---	---
BLE_1M	Ant1	2480	1.0350	2479.4925	2480.5275	---	---
BLE_2M	Ant1	2402	2.0779	2400.9810	2403.0589	---	---
BLE_2M	Ant1	2440	2.1179	2438.9570	2441.0749	---	---
BLE_2M	Ant1	2480	2.1099	2478.9570	2481.0669	---	---

Test Graphs





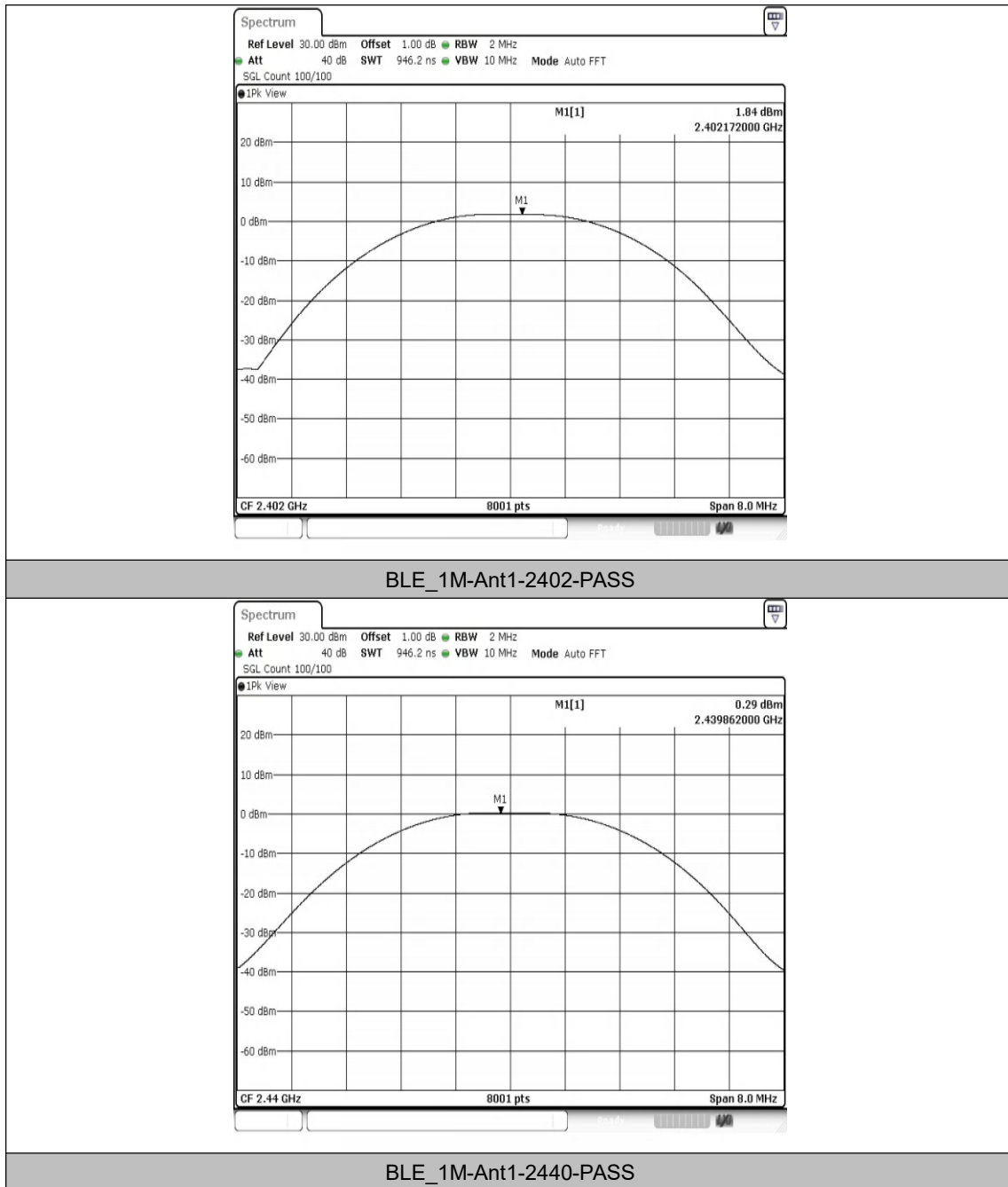


Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.84	≤30	PASS
BLE_1M	Ant1	2440	0.29	≤30	PASS
BLE_1M	Ant1	2480	1.03	≤30	PASS
BLE_2M	Ant1	2402	1.86	≤30	PASS
BLE_2M	Ant1	2440	0.30	≤30	PASS
BLE_2M	Ant1	2480	1.05	≤30	PASS

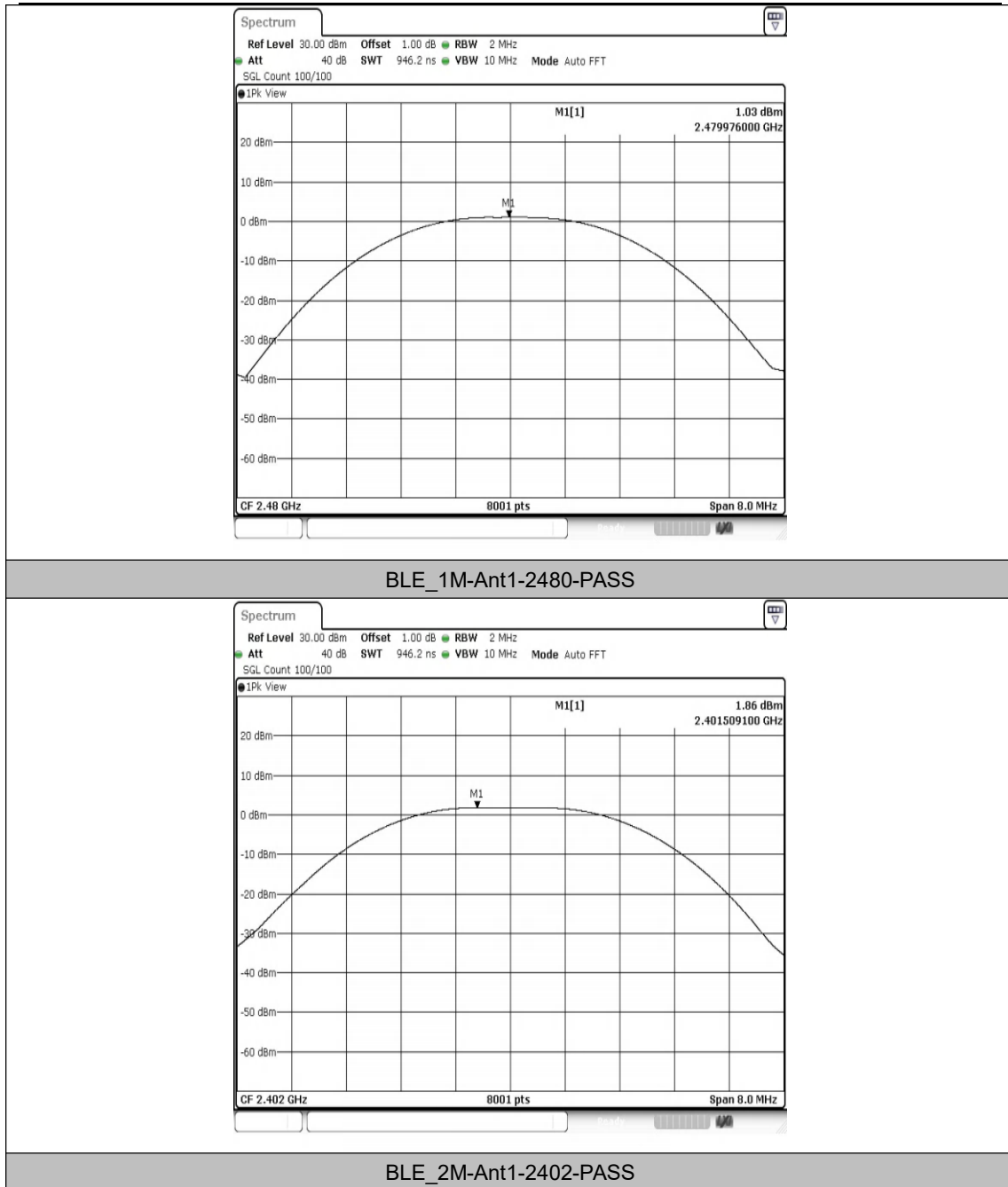
Test Graphs Peak



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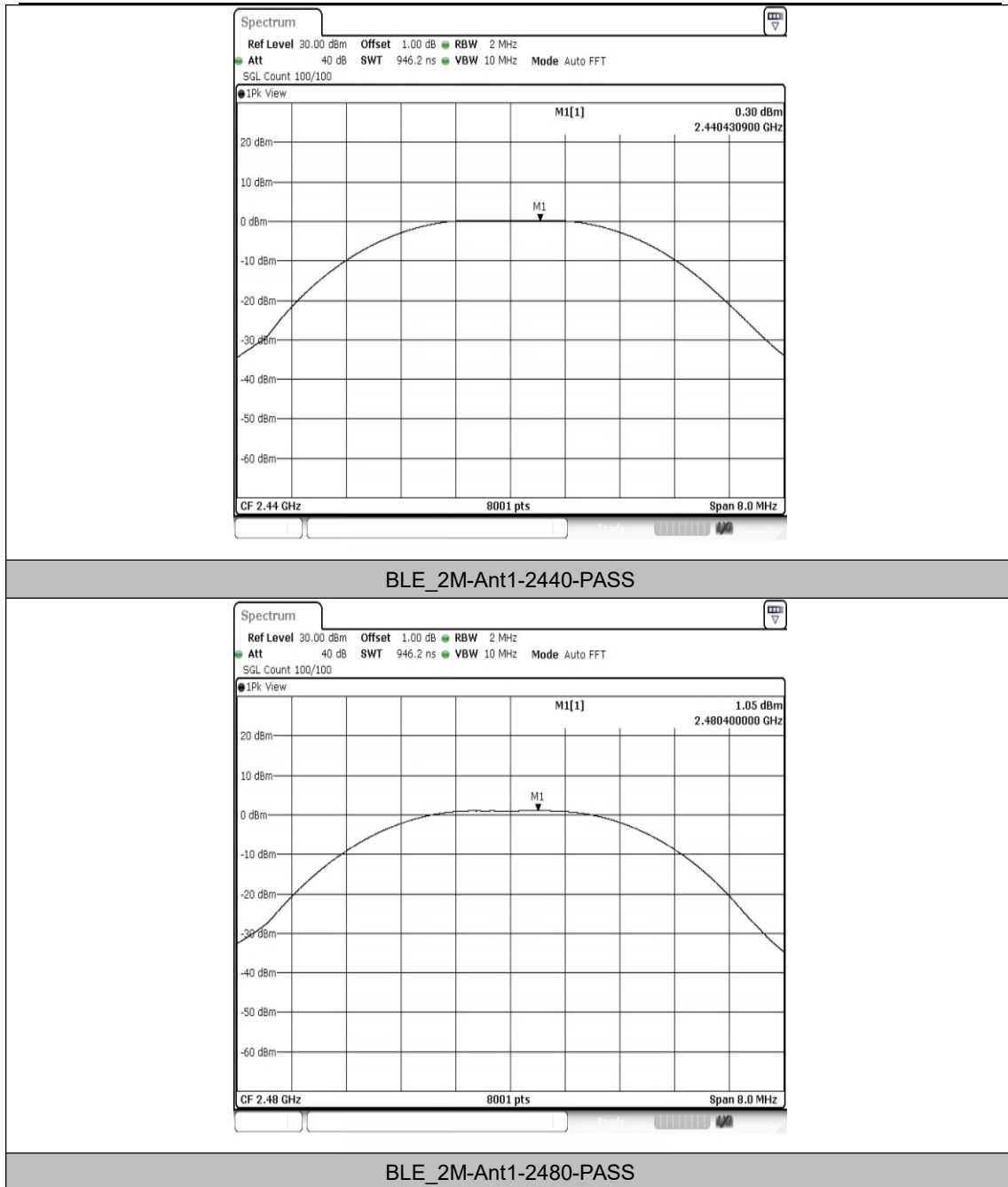
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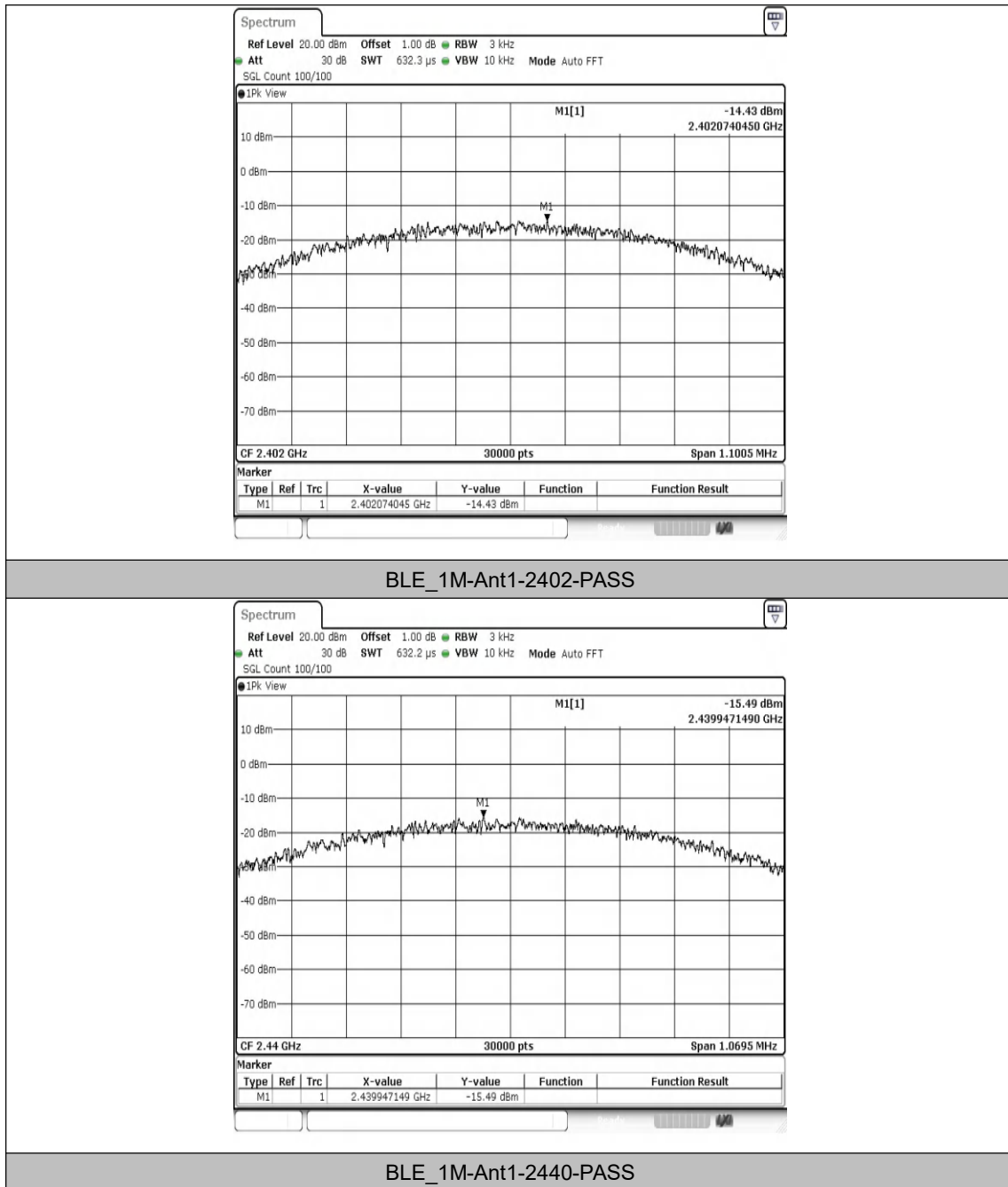
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.43	≤8.00	PASS
BLE_1M	Ant1	2440	-15.49	≤8.00	PASS
BLE_1M	Ant1	2480	-15.13	≤8.00	PASS
BLE_2M	Ant1	2402	-17.75	≤8.00	PASS
BLE_2M	Ant1	2440	-18.39	≤8.00	PASS
BLE_2M	Ant1	2480	-17.81	≤8.00	PASS

Test Graphs



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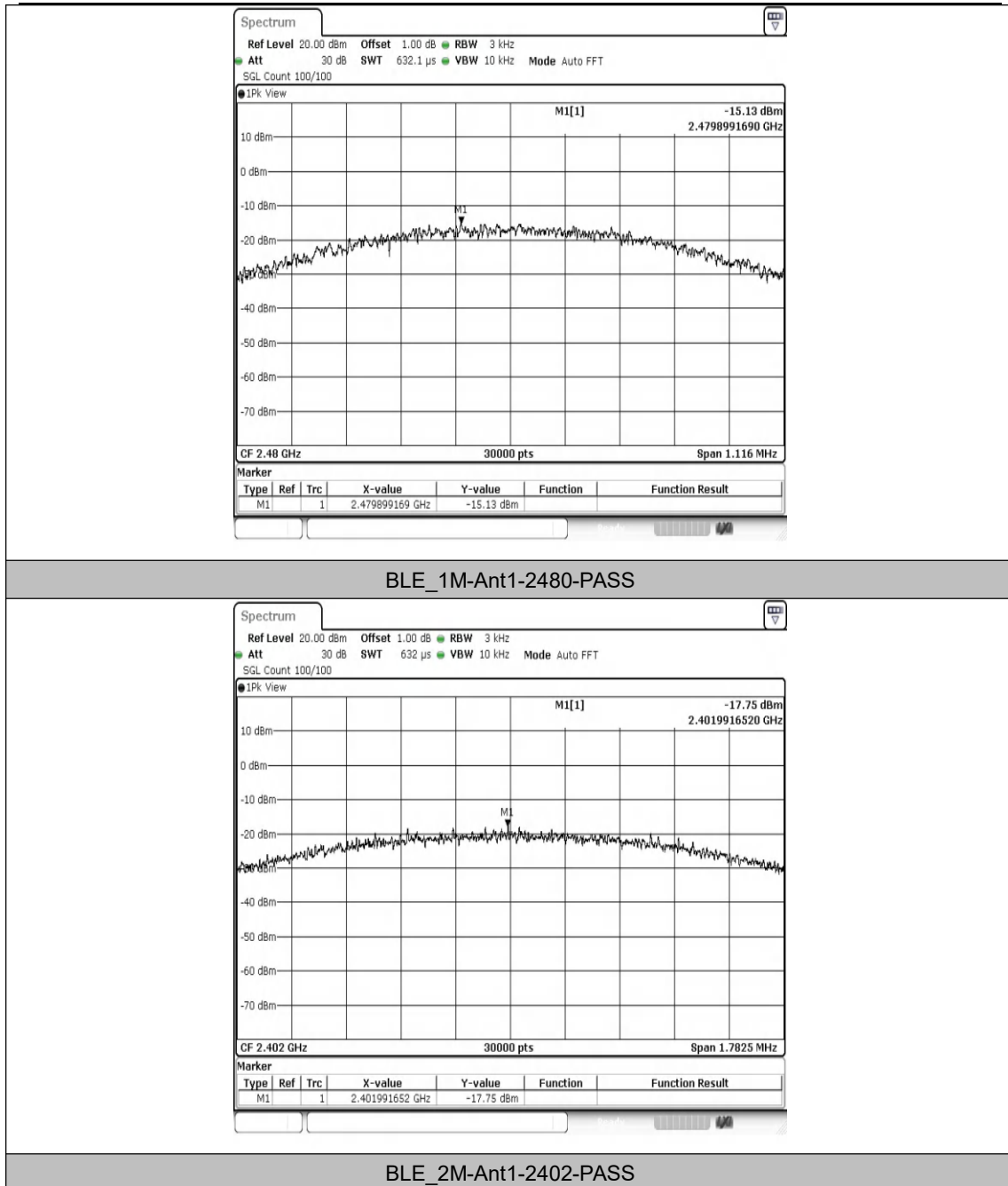
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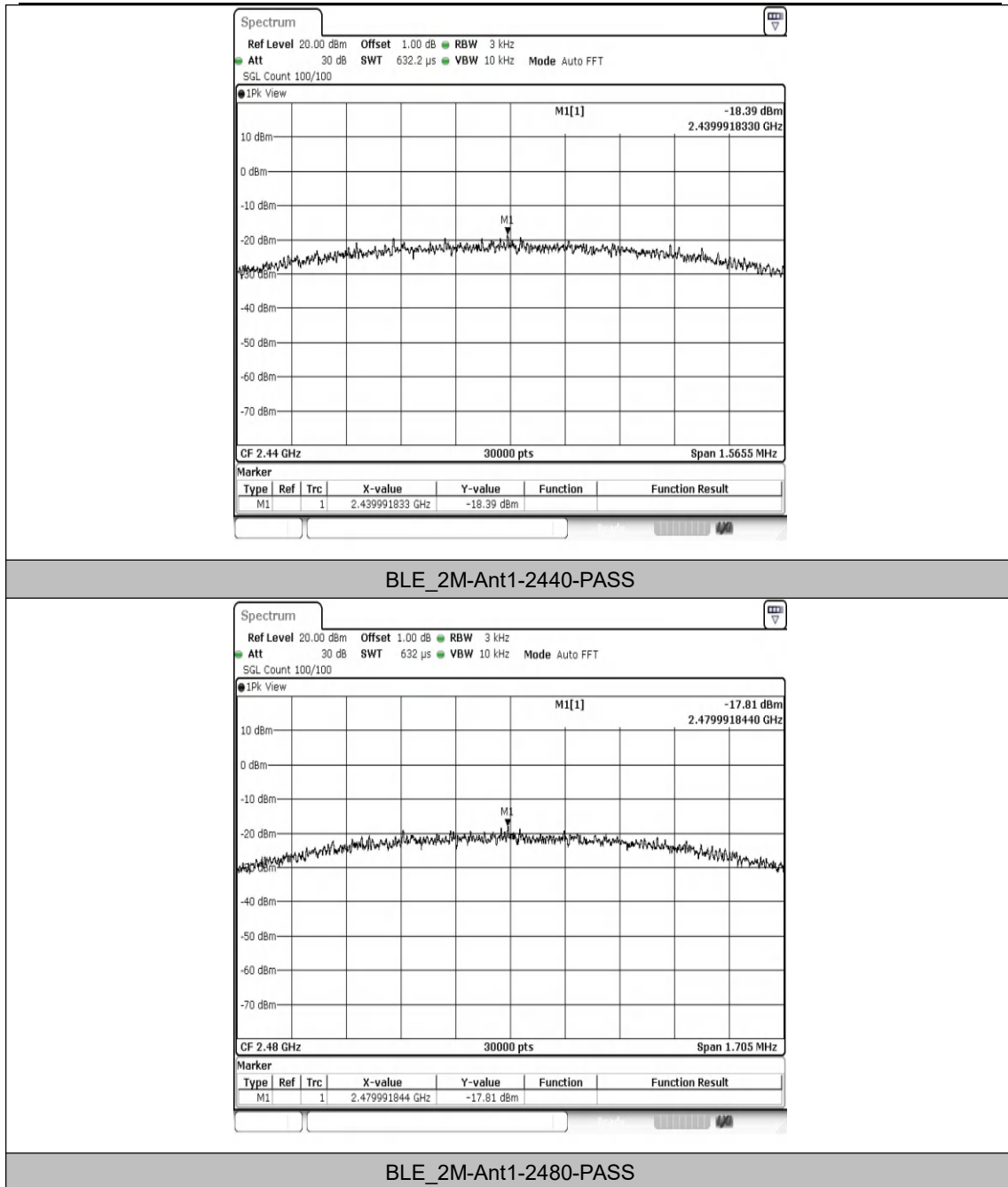
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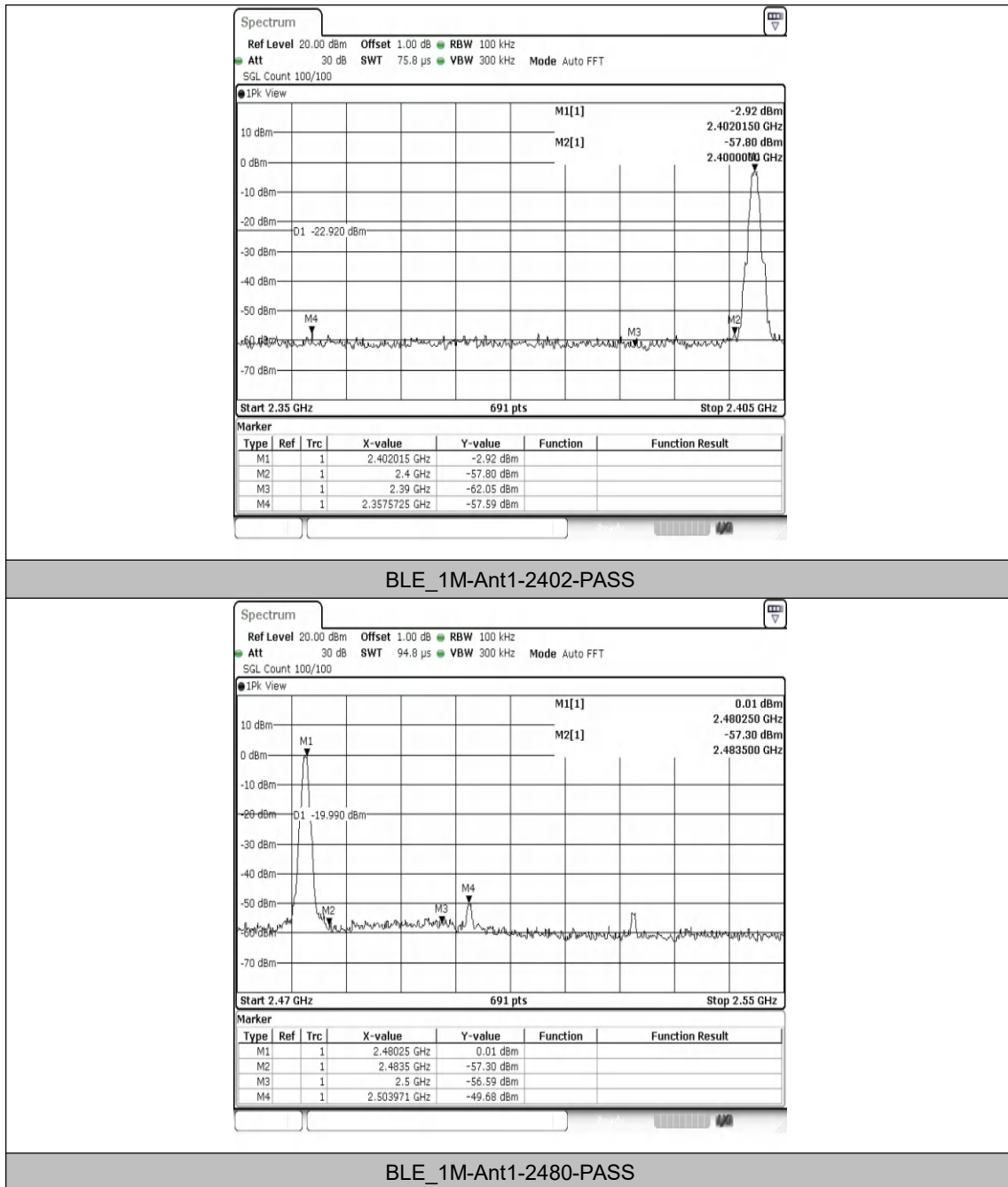
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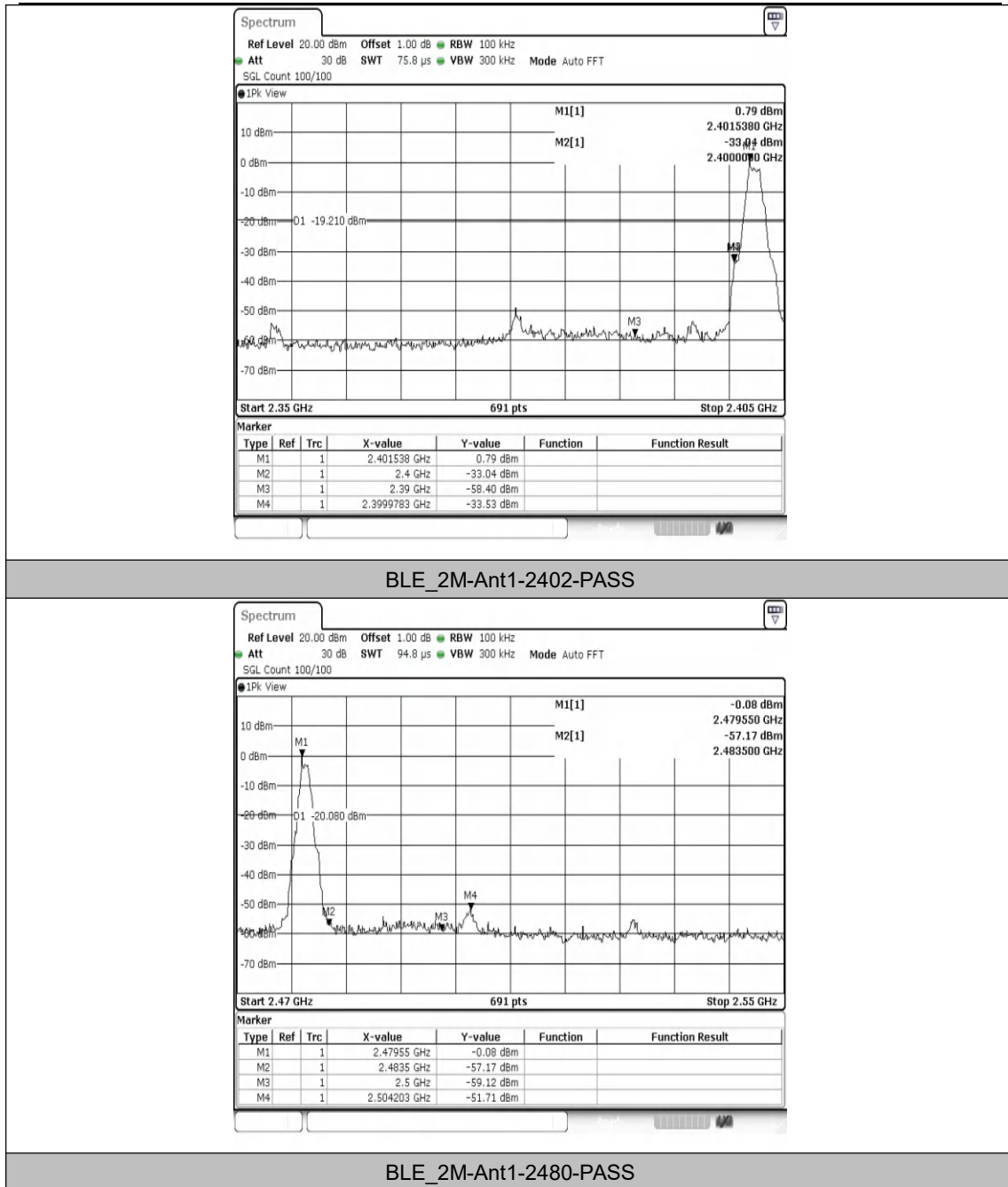
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.92	-57.59	≤-22.92	PASS
BLE_1M	Ant1	High	2480	0.01	-49.68	≤-19.99	PASS
BLE_2M	Ant1	Low	2402	0.79	-33.53	≤-19.21	PASS
BLE_2M	Ant1	High	2480	-0.08	-51.71	≤-20.08	PASS

Test Graphs





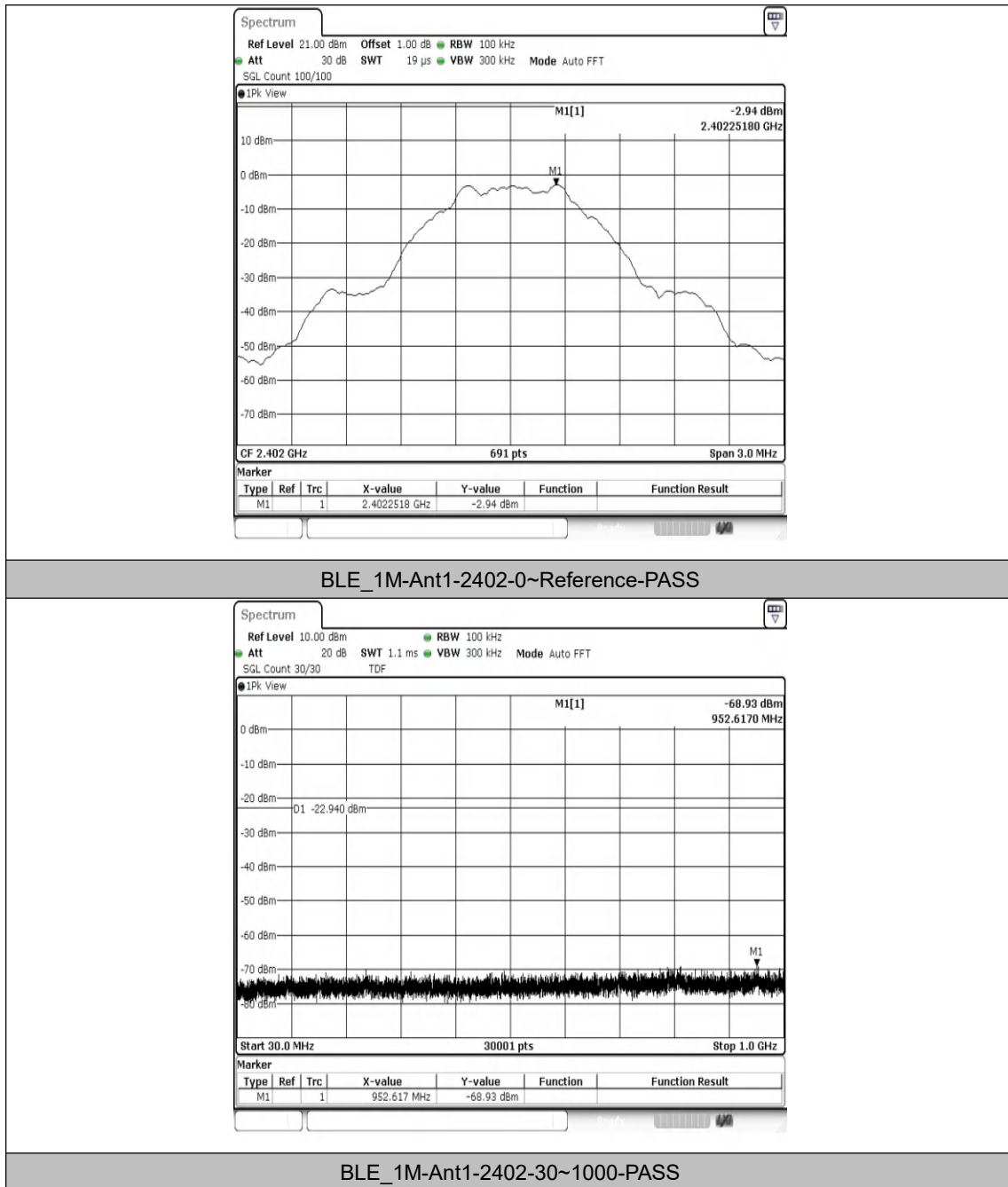
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-2.94	-2.94	---	PASS
BLE_1M	Ant1	2402	30~1000	-2.94	-68.93	≤-22.94	PASS
BLE_1M	Ant1	2402	1000~26500	-2.94	-45.95	≤-22.94	PASS
BLE_1M	Ant1	2440	0~Reference	-1.89	-1.89	---	PASS
BLE_1M	Ant1	2440	30~1000	-1.89	-68.8	≤-21.89	PASS
BLE_1M	Ant1	2440	1000~26500	-1.89	-46.06	≤-21.89	PASS
BLE_1M	Ant1	2480	0~Reference	-0.51	-0.51	---	PASS
BLE_1M	Ant1	2480	30~1000	-0.51	-68.39	≤-20.51	PASS
BLE_1M	Ant1	2480	1000~26500	-0.51	-39.98	≤-20.51	PASS
BLE_2M	Ant1	2402	0~Reference	-1.47	-1.47	---	PASS
BLE_2M	Ant1	2402	30~1000	-1.47	-67.53	≤-21.47	PASS
BLE_2M	Ant1	2402	1000~26500	-1.47	-43.35	≤-21.47	PASS
BLE_2M	Ant1	2440	0~Reference	-2.31	-2.31	---	PASS
BLE_2M	Ant1	2440	30~1000	-2.31	-69.41	≤-22.31	PASS
BLE_2M	Ant1	2440	1000~26500	-2.31	-41.72	≤-22.31	PASS
BLE_2M	Ant1	2480	0~Reference	-0.09	-0.09	---	PASS
BLE_2M	Ant1	2480	30~1000	-0.09	-52.42	≤-20.09	PASS
BLE_2M	Ant1	2480	1000~26500	-0.09	-39.94	≤-20.09	PASS

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

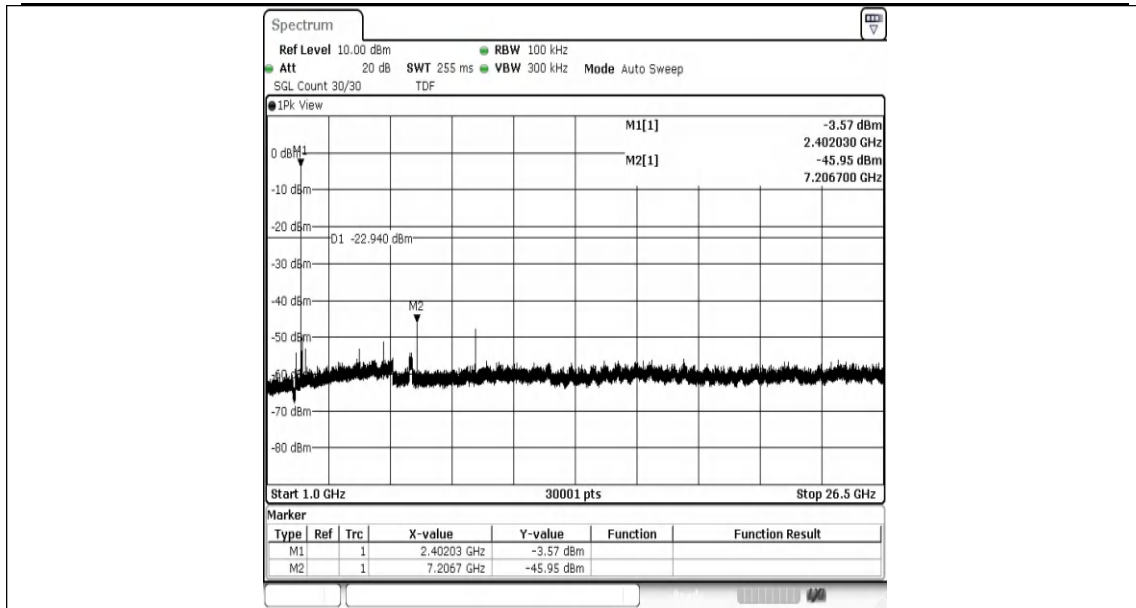
Test Graphs



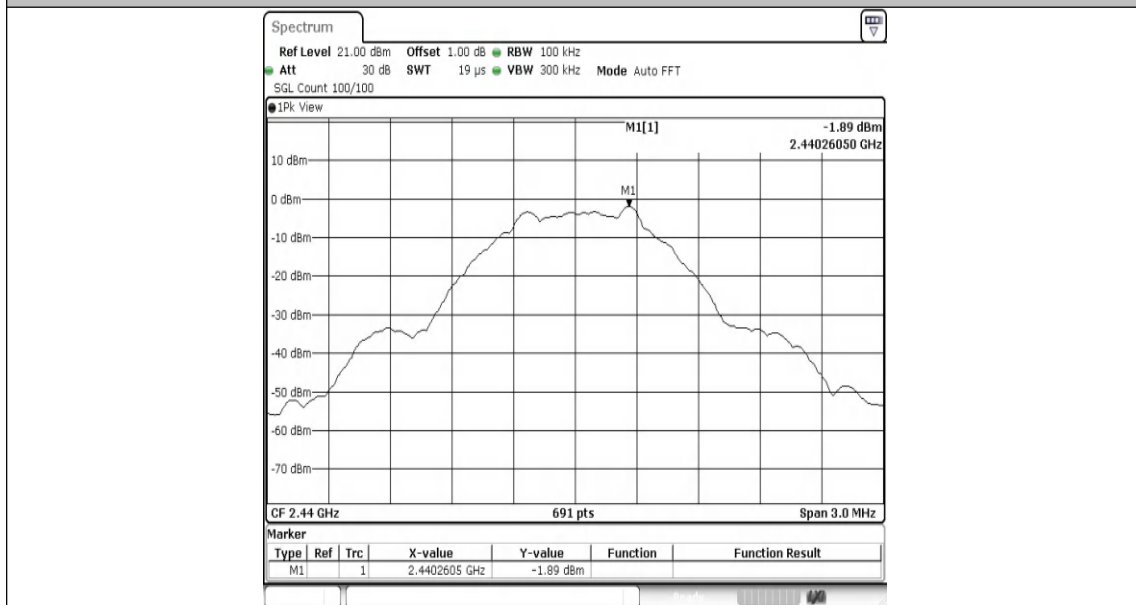
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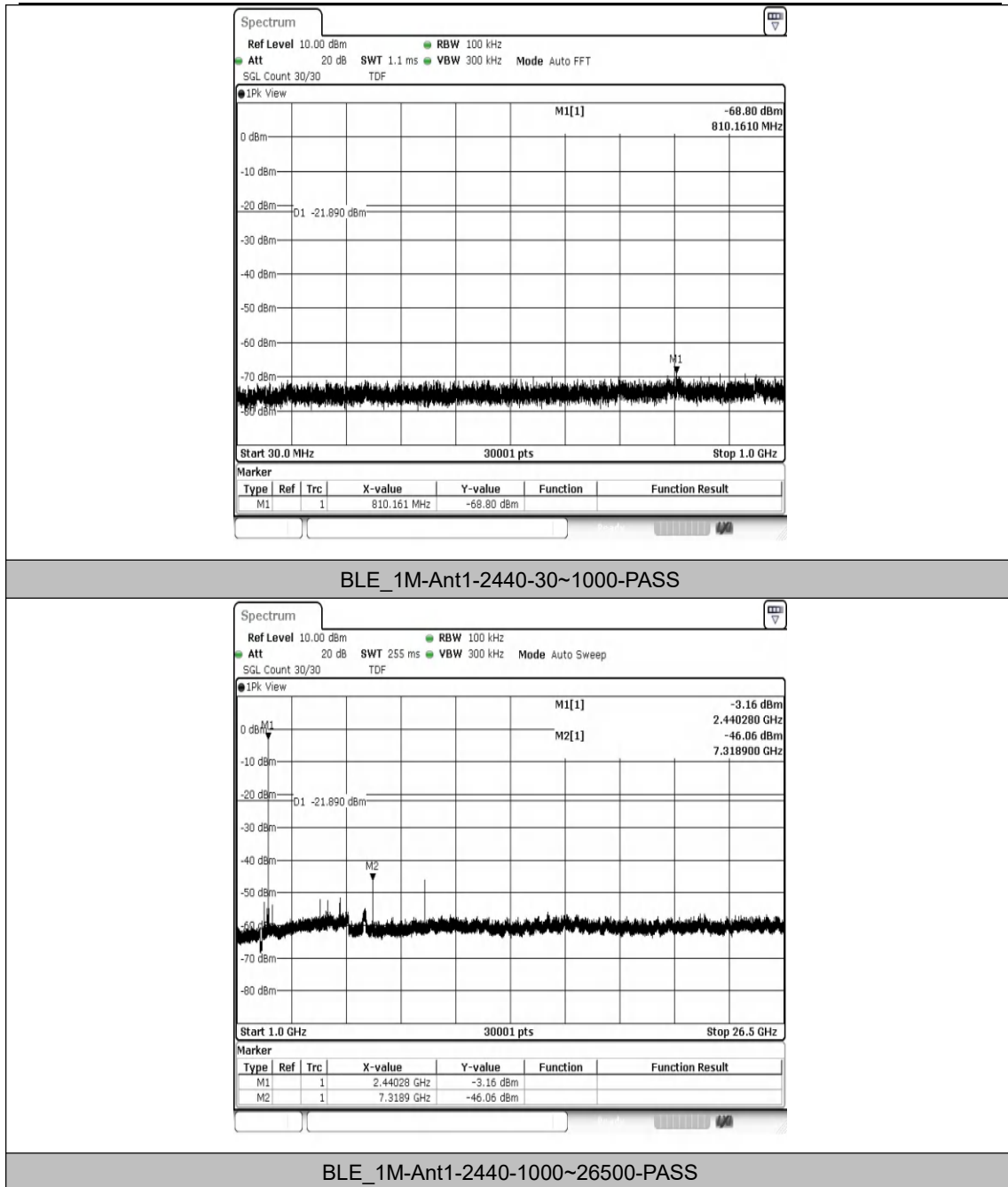
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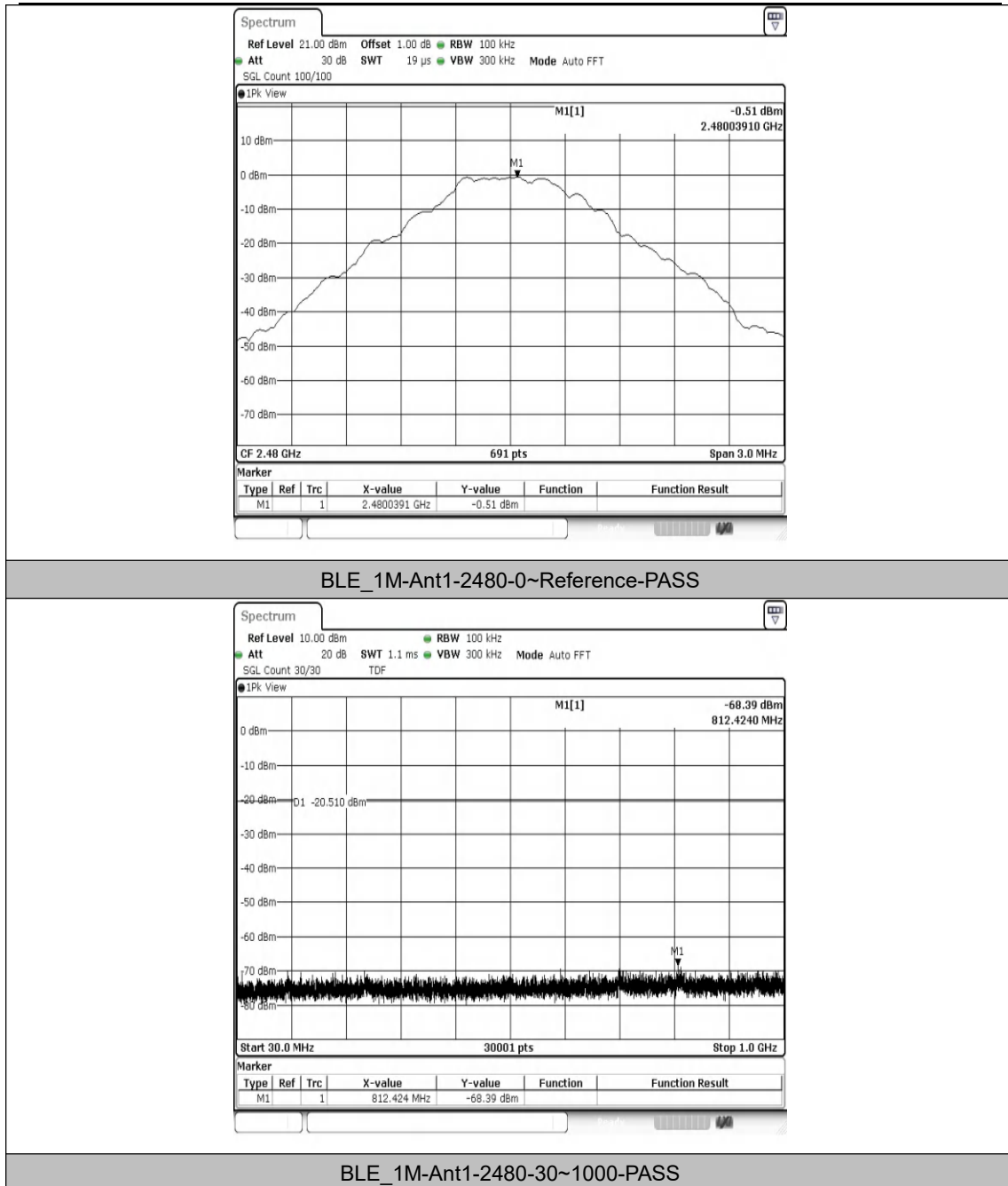


BLE_1M-Ant1-2402-1000~26500-PASS



BLE_1M-Ant1-2440-0~Reference-PASS

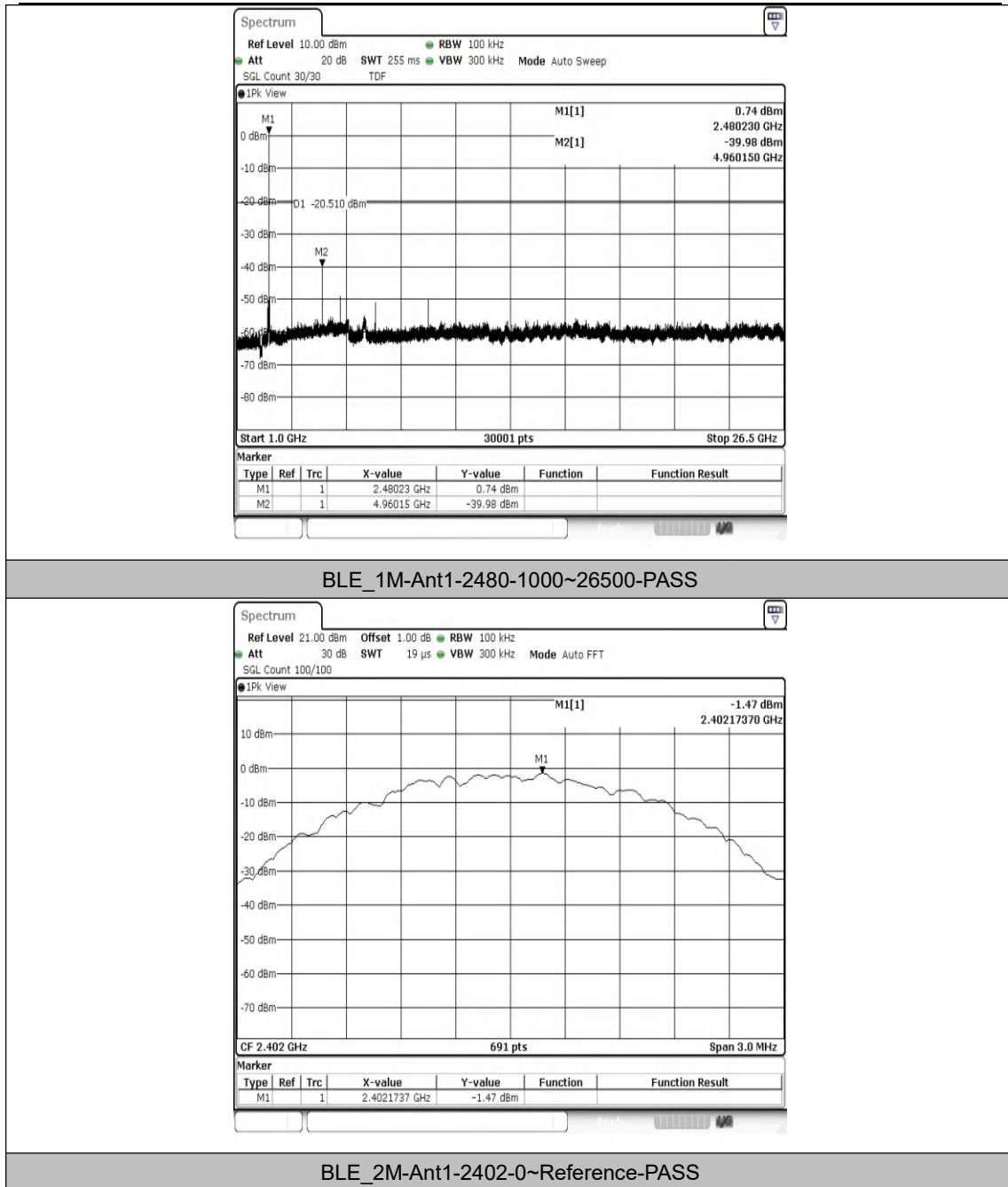




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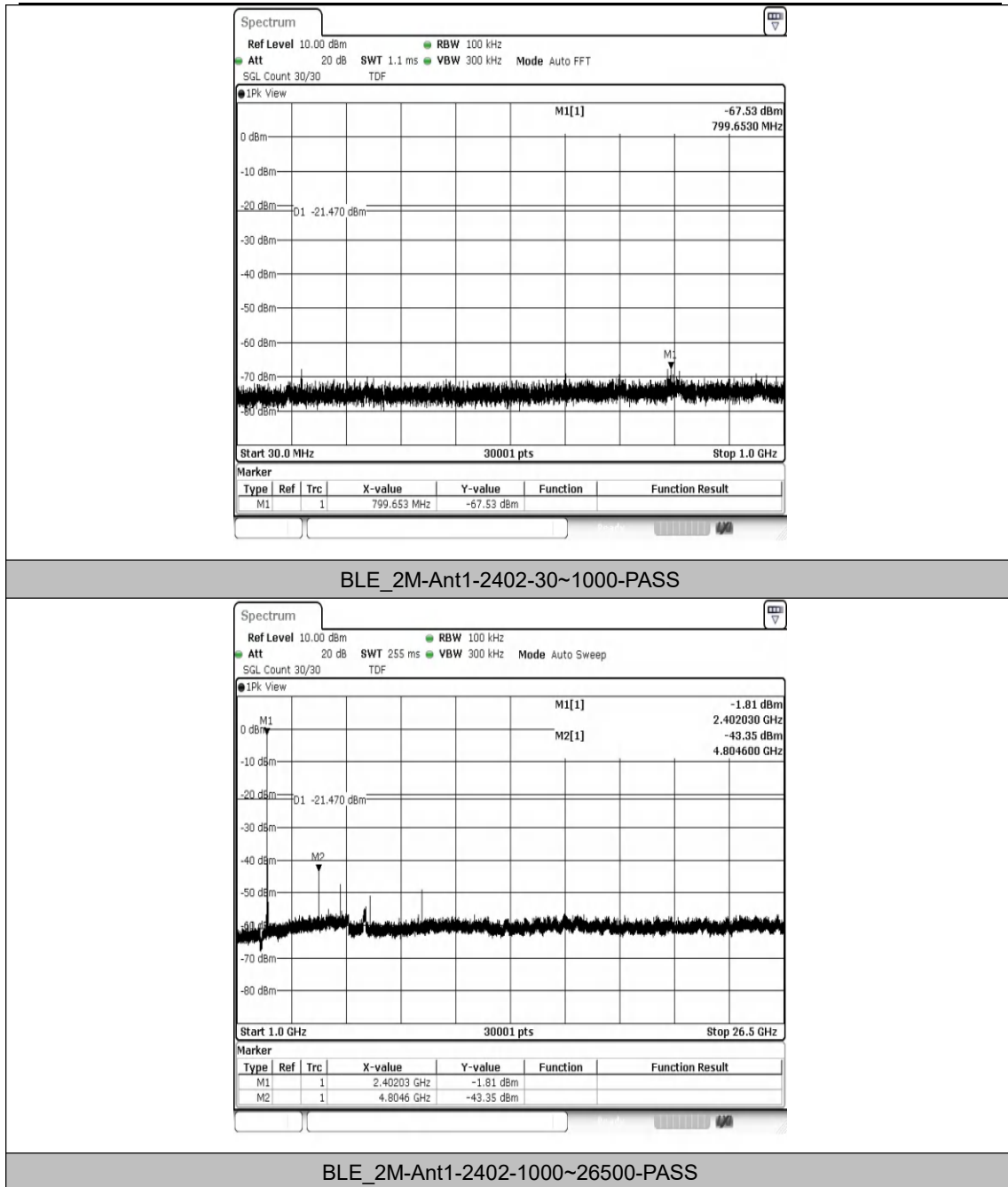
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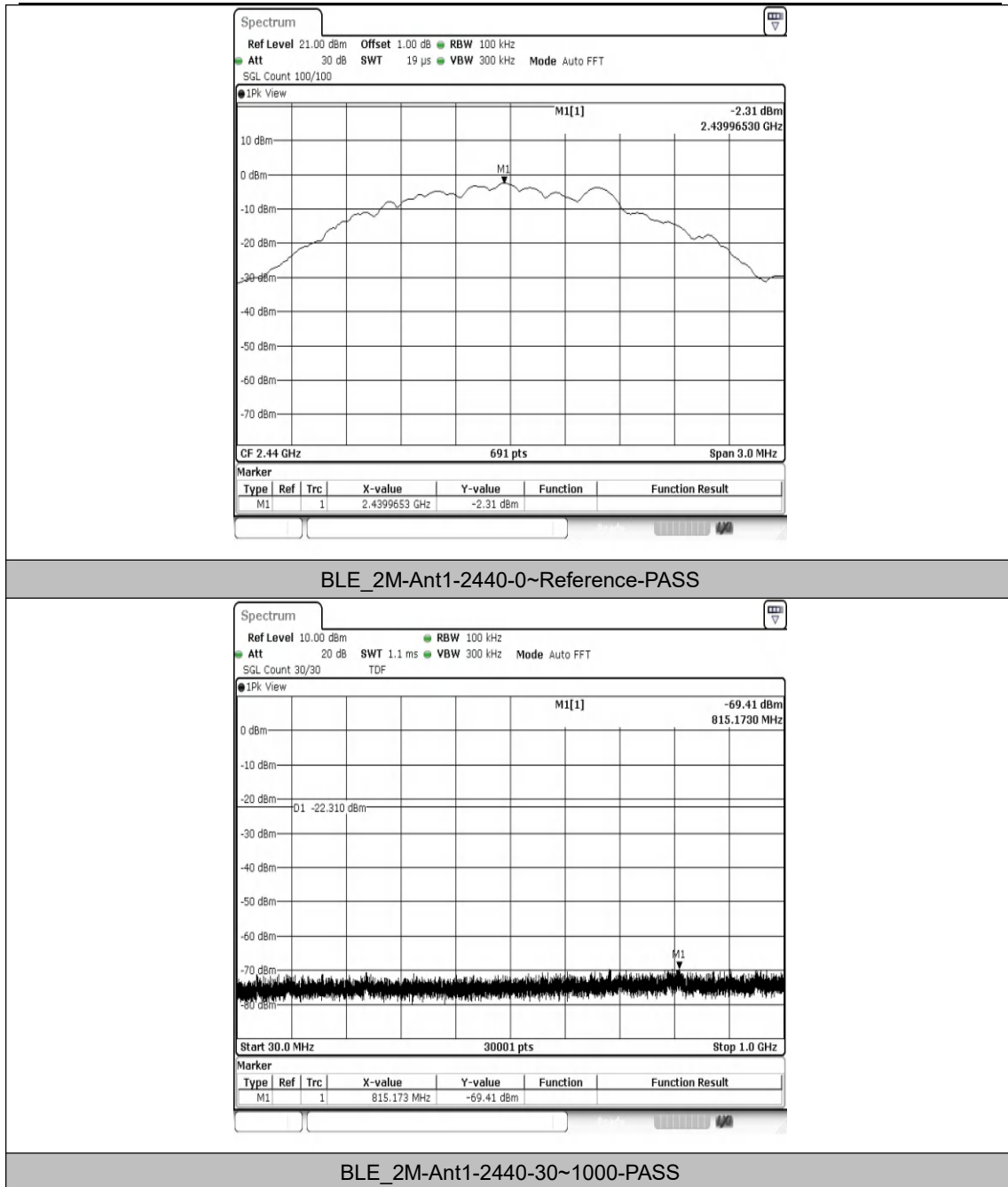
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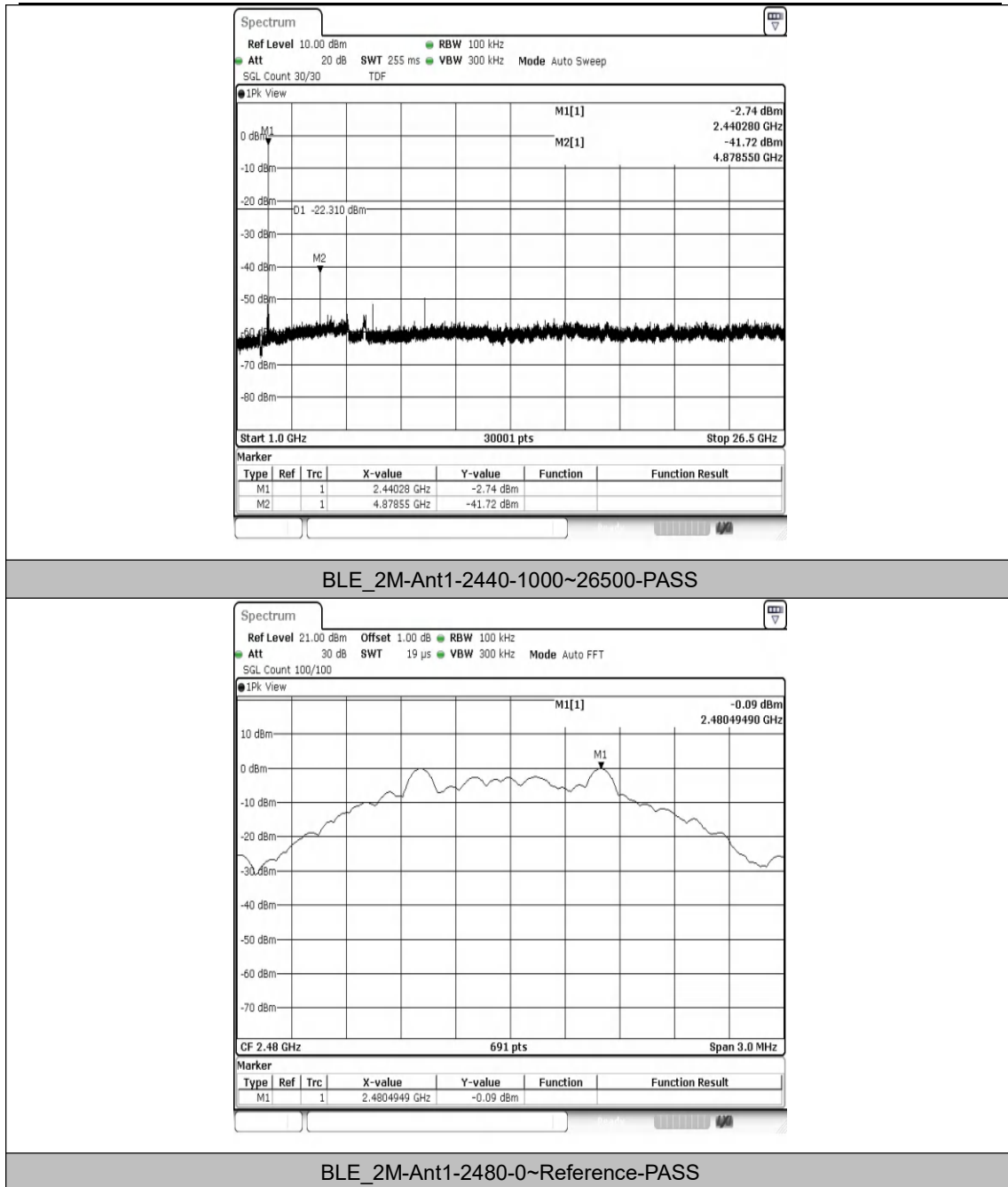
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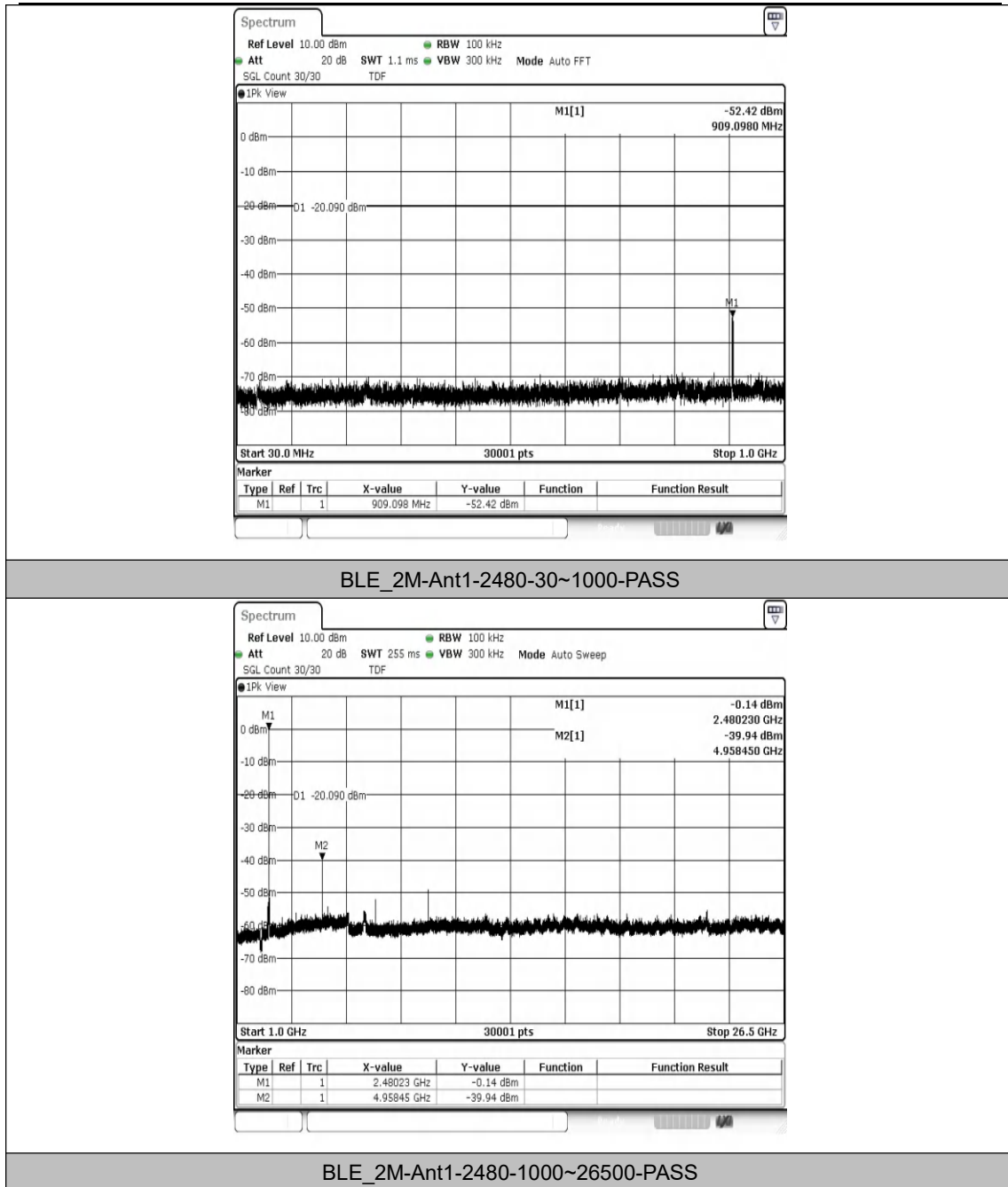
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.12	2.50	84.80	0.72
BLE_1M	Ant1	2440	2.12	2.50	84.80	0.72
BLE_1M	Ant1	2480	2.12	2.50	84.80	0.72
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

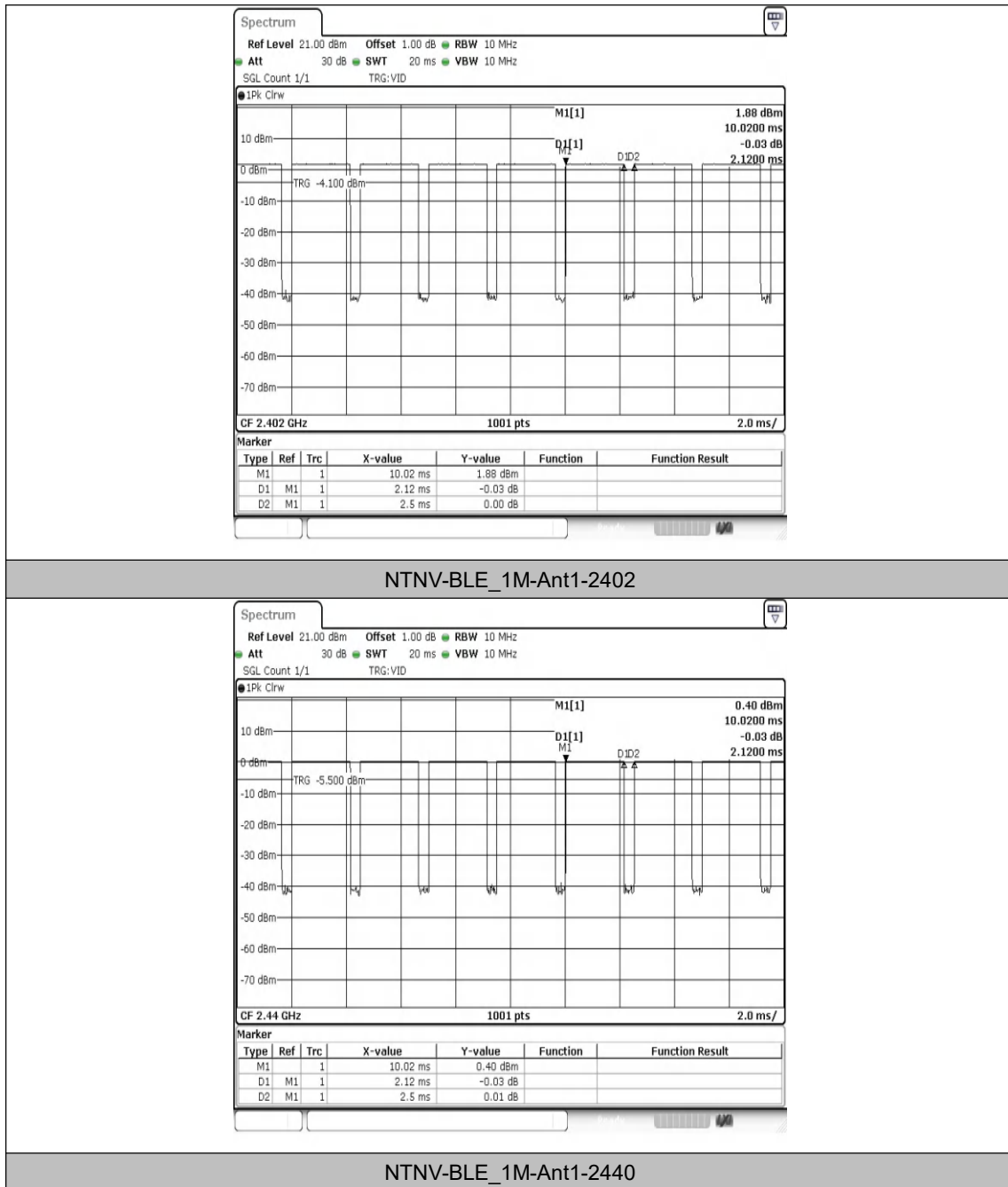
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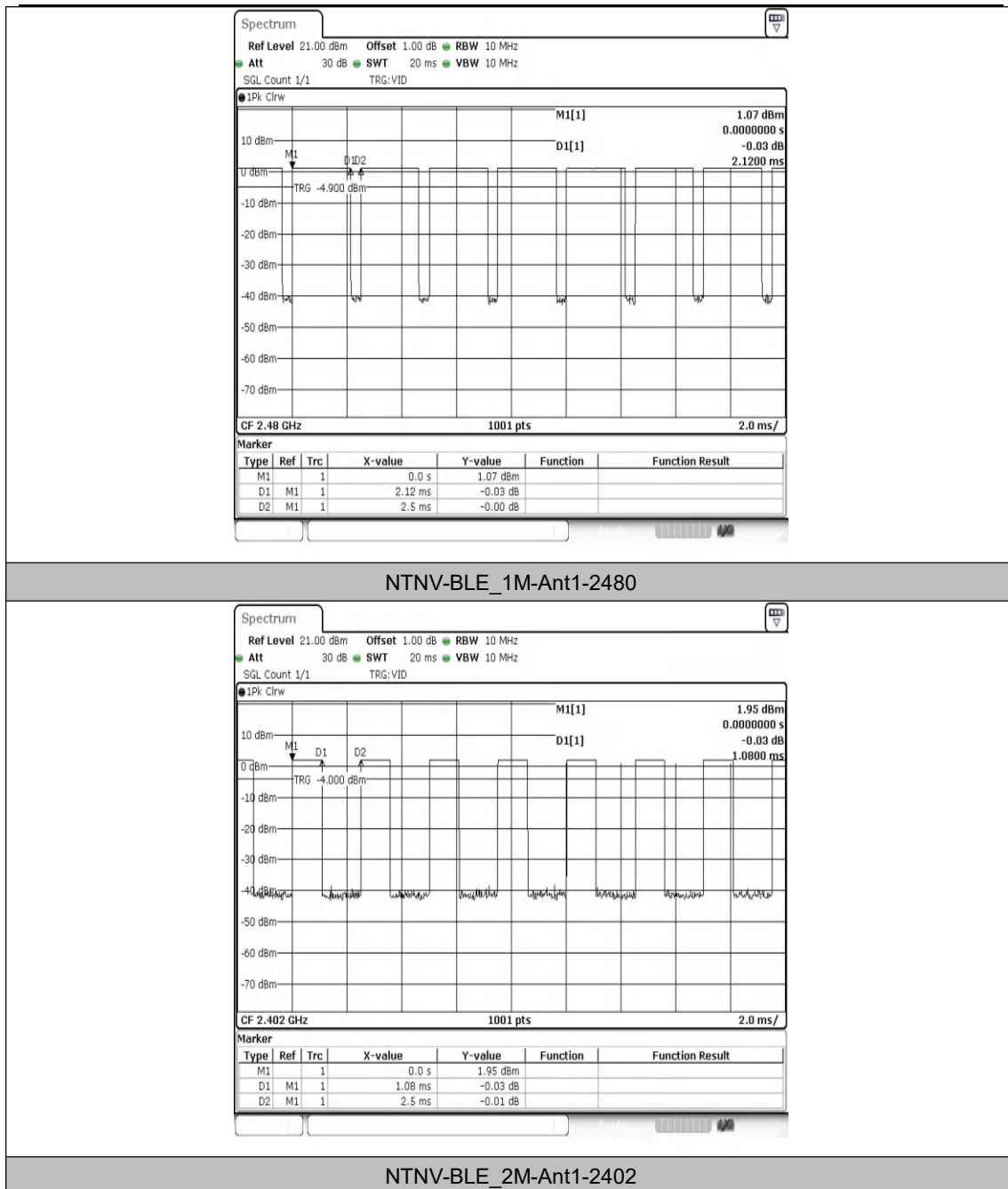
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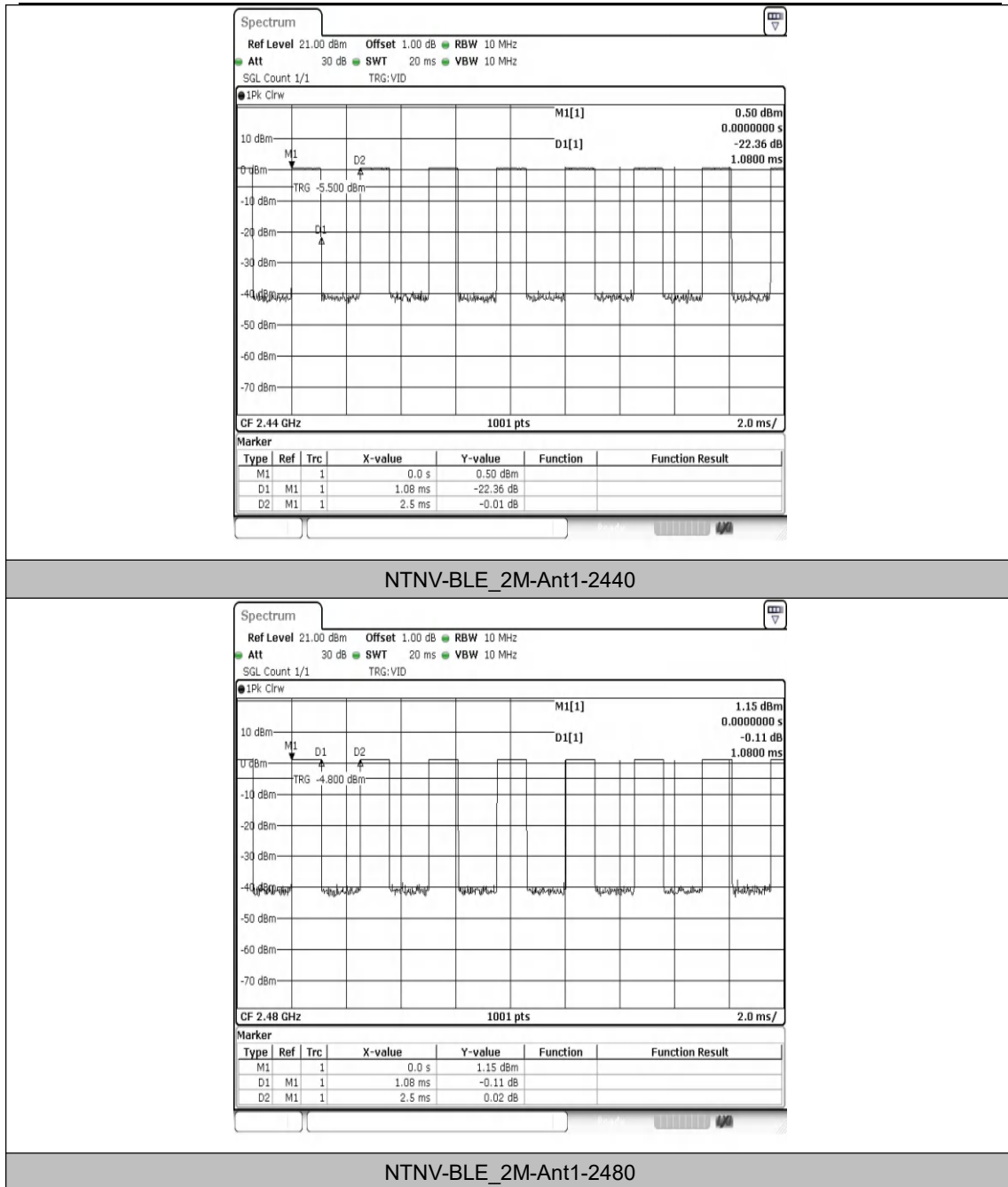


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Test Graphs







---End---