

Appendix Test Data

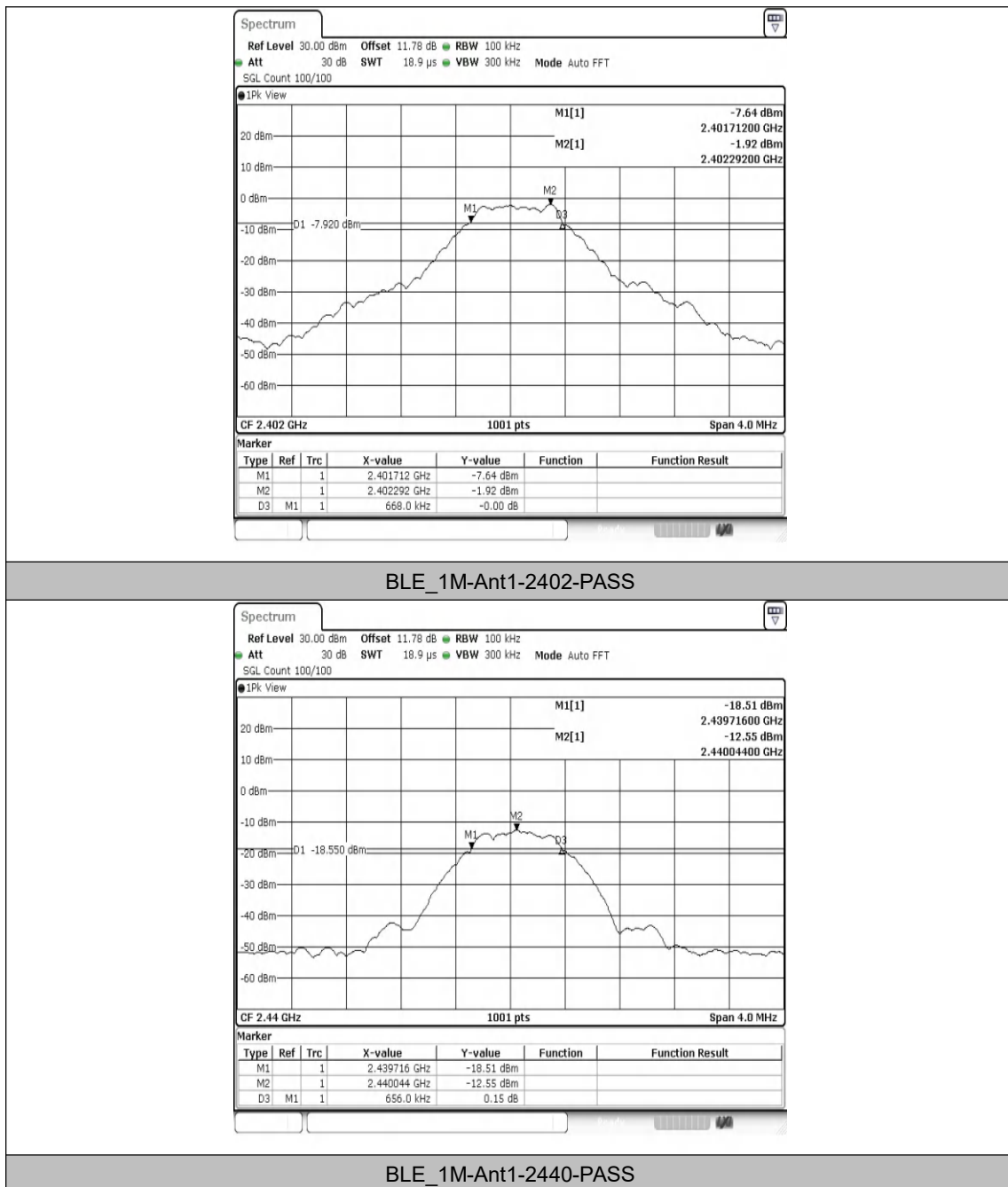
Report No.:	1812C50101612501	Test Sample No.:	1-2-2
Start Test Date:	2025.3.20	Finish Test Date:	2025.3.31
Test Engineer:	Hu Sen Guan	Auditor:	Justin Feng
Temperature:	24.5°C	Relative Humidity:	44%
Pressure:	101kPa		

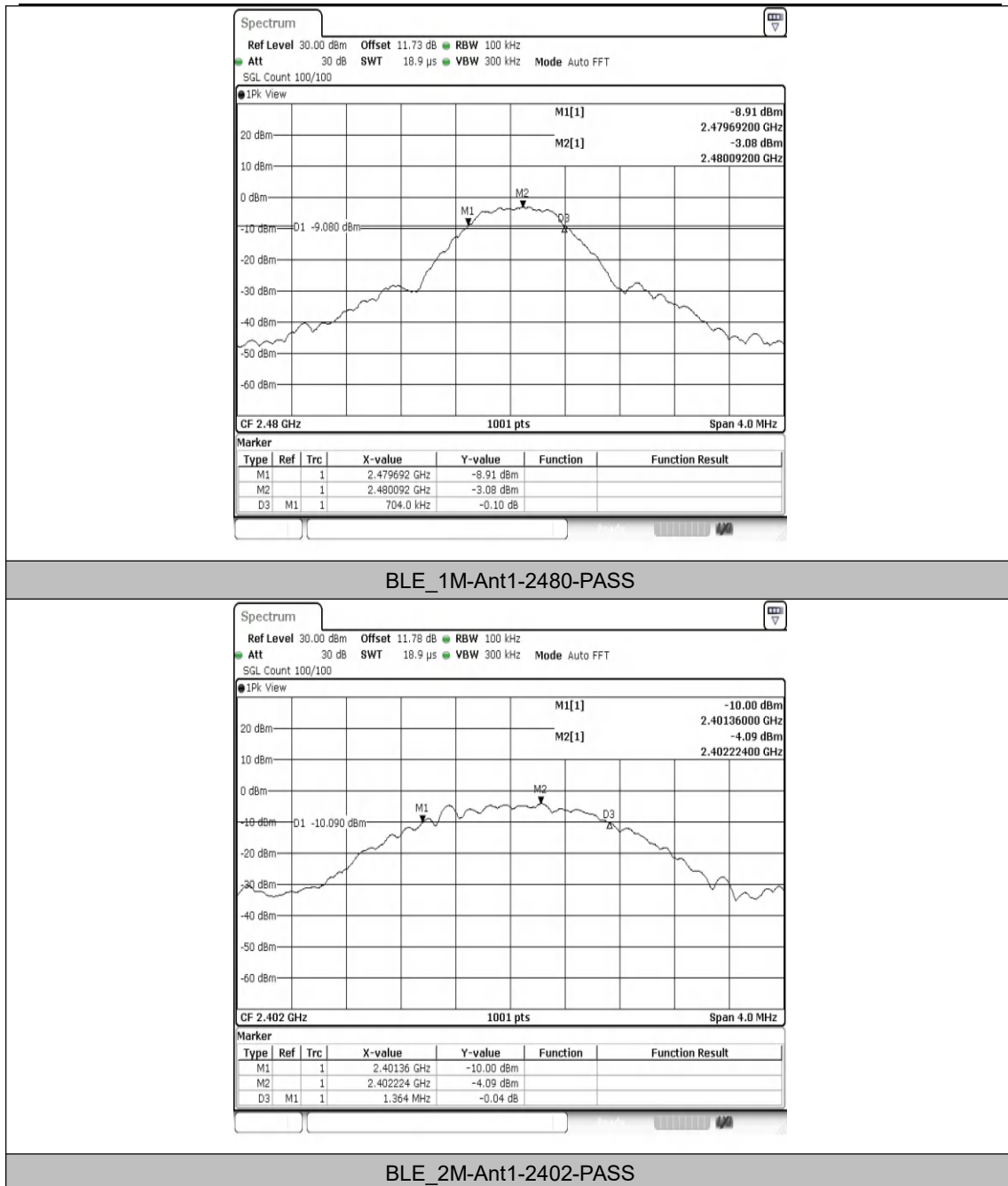
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.67	2401.71	2402.38	0.5	PASS
BLE_1M	Ant1	2440	0.66	2439.72	2440.37	0.5	PASS
BLE_1M	Ant1	2480	0.70	2479.69	2480.40	0.5	PASS
BLE_2M	Ant1	2402	1.36	2401.36	2402.72	0.5	PASS
BLE_2M	Ant1	2440	1.35	2439.37	2440.72	0.5	PASS
BLE_2M	Ant1	2480	1.33	2479.37	2480.70	0.5	PASS

Test Graphs

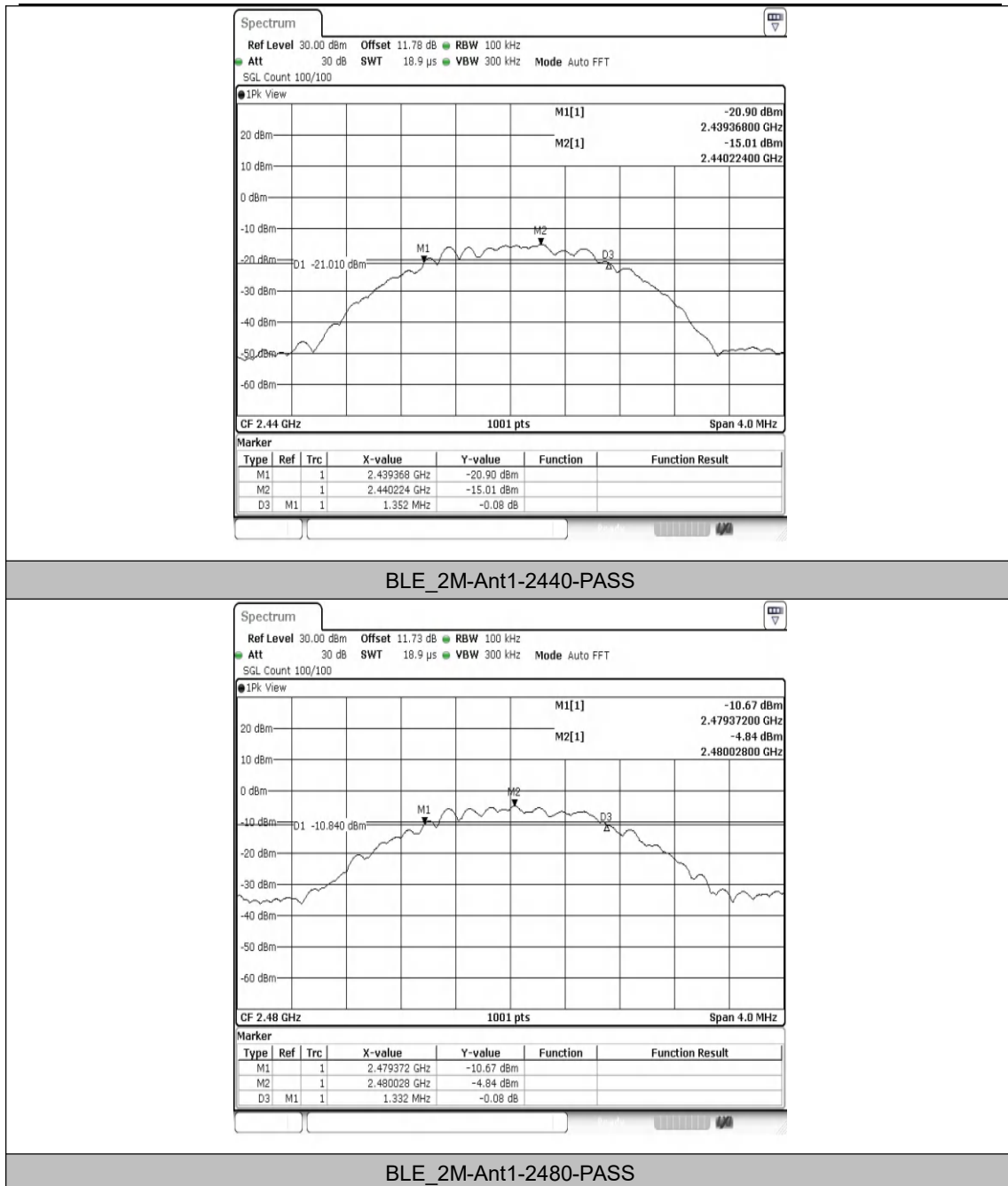




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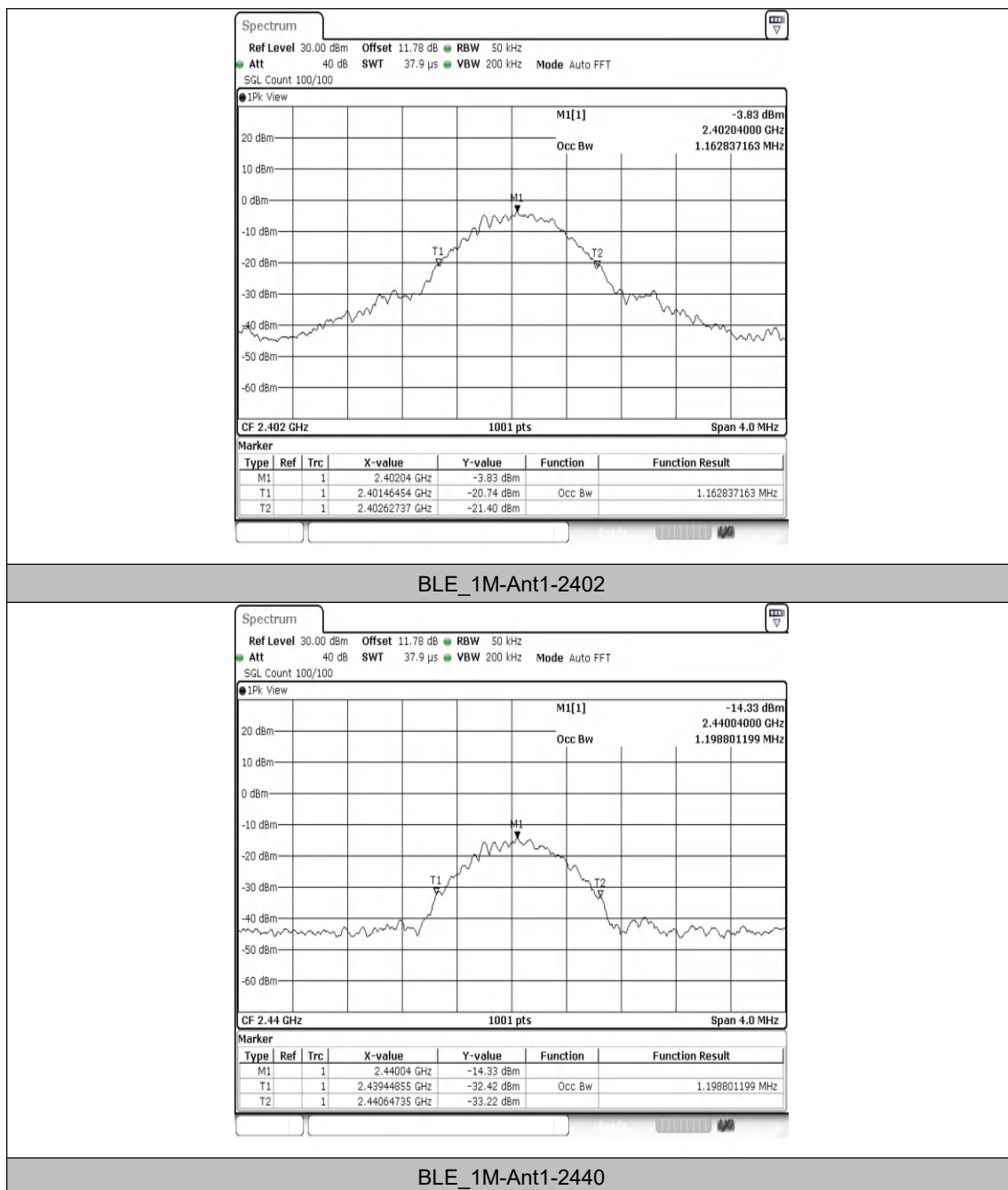
Appendix B: 99% Occupied Bandwidth

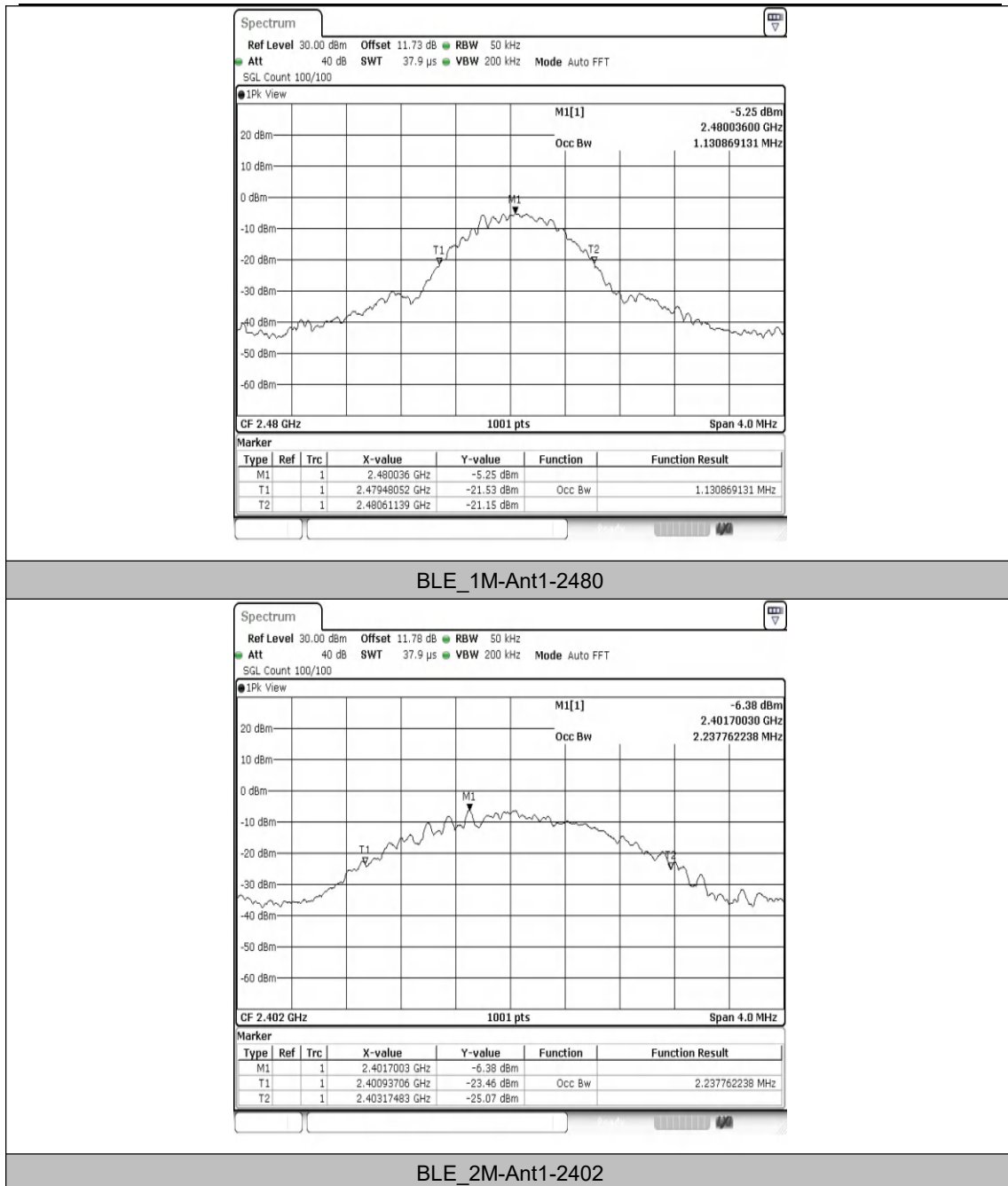
Test Result

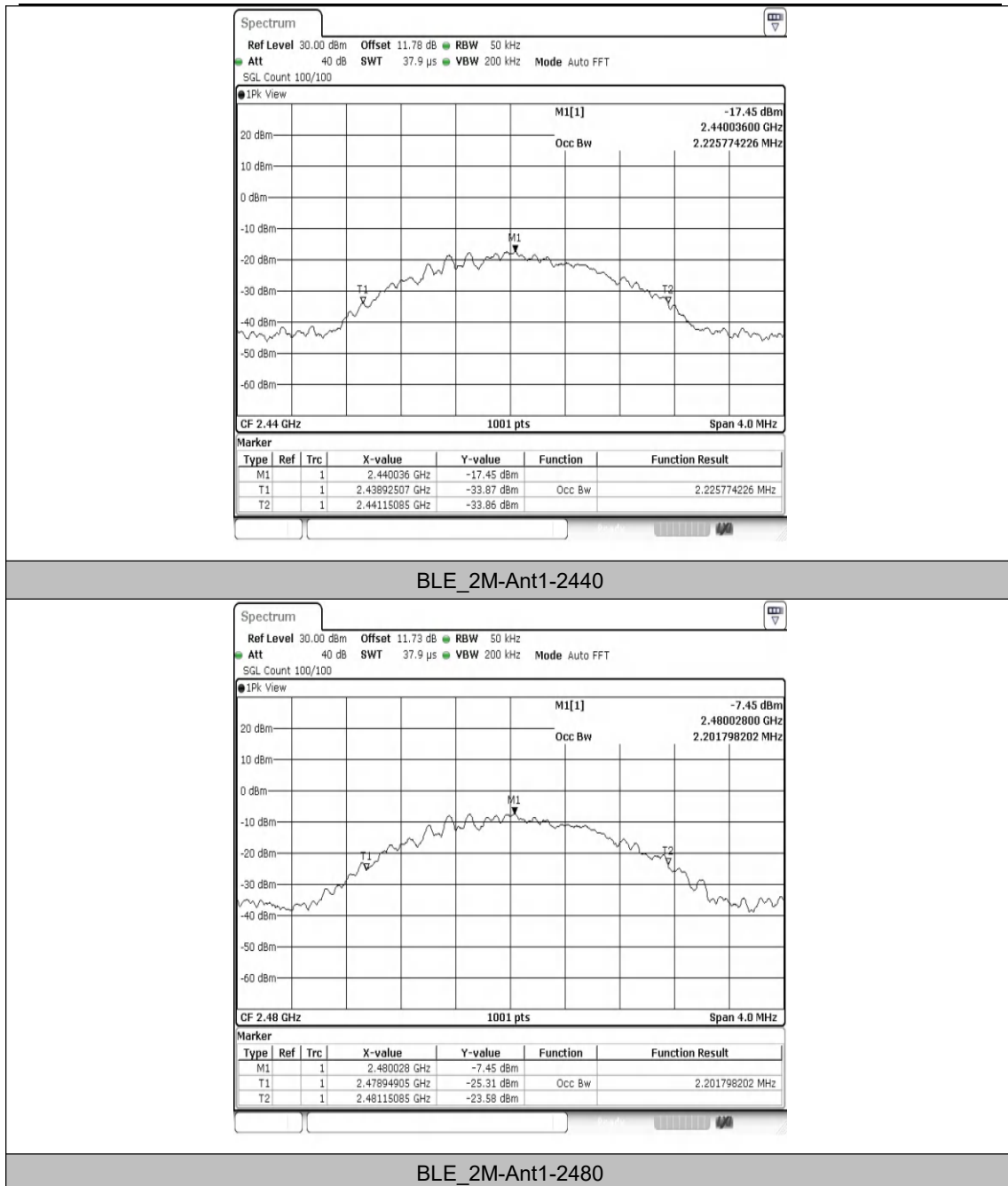
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.163	2401.4645	2402.6274	---	---
BLE_1M	Ant1	2440	1.199	2439.4486	2440.6474	---	---
BLE_1M	Ant1	2480	1.131	2479.4805	2480.6114	---	---
BLE_2M	Ant1	2402	2.238	2400.9371	2403.1748	---	---
BLE_2M	Ant1	2440	2.226	2438.9251	2441.1508	---	---
BLE_2M	Ant1	2480	2.202	2478.9491	2481.1508	---	---

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Test Graphs







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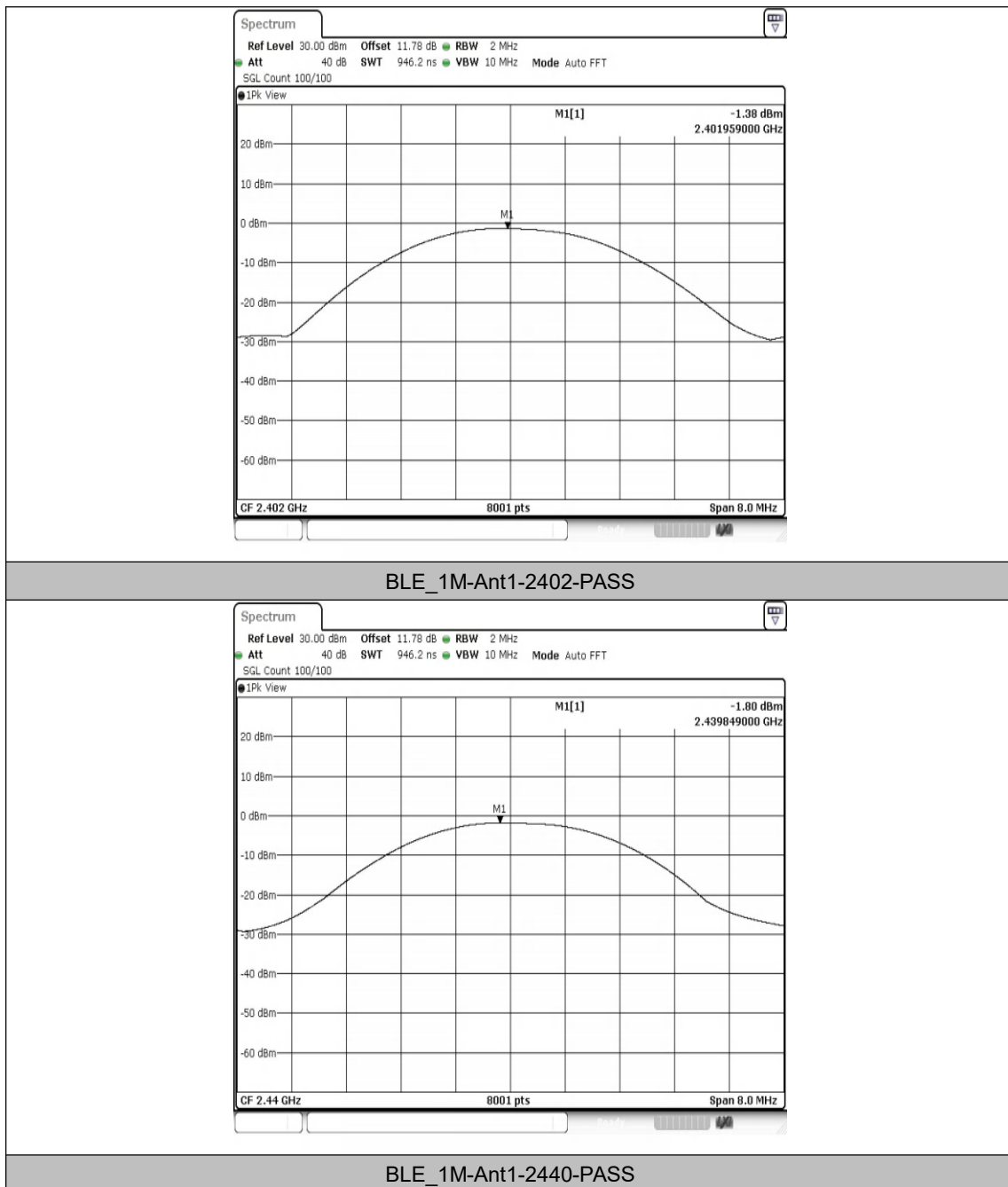
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.38	≤30	PASS
BLE_1M	Ant1	2440	-1.80	≤30	PASS
BLE_1M	Ant1	2480	-2.56	≤30	PASS
BLE_2M	Ant1	2402	-1.57	≤30	PASS
BLE_2M	Ant1	2440	-2.11	≤30	PASS
BLE_2M	Ant1	2480	-2.84	≤30	PASS

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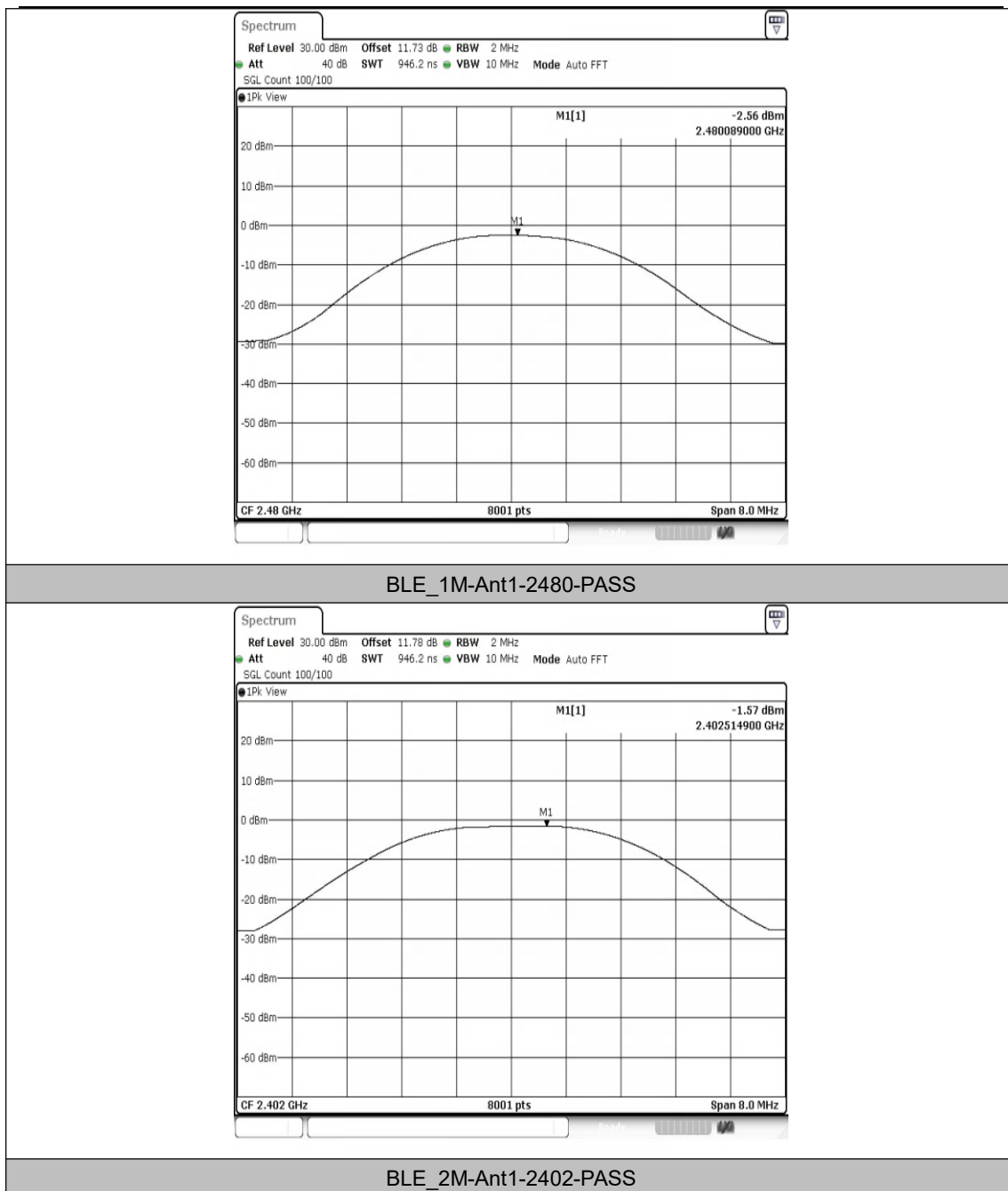
Test Graphs Peak



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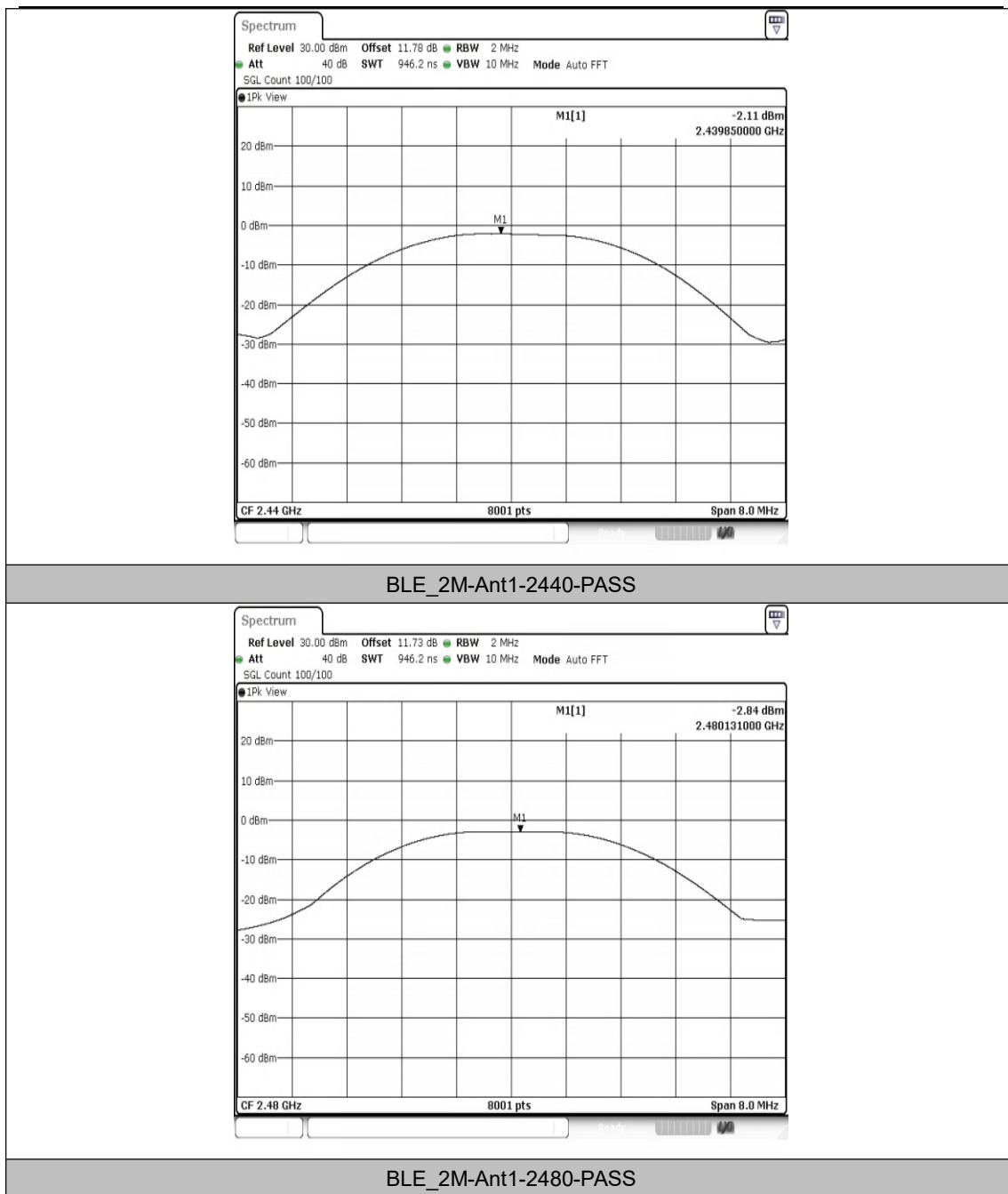


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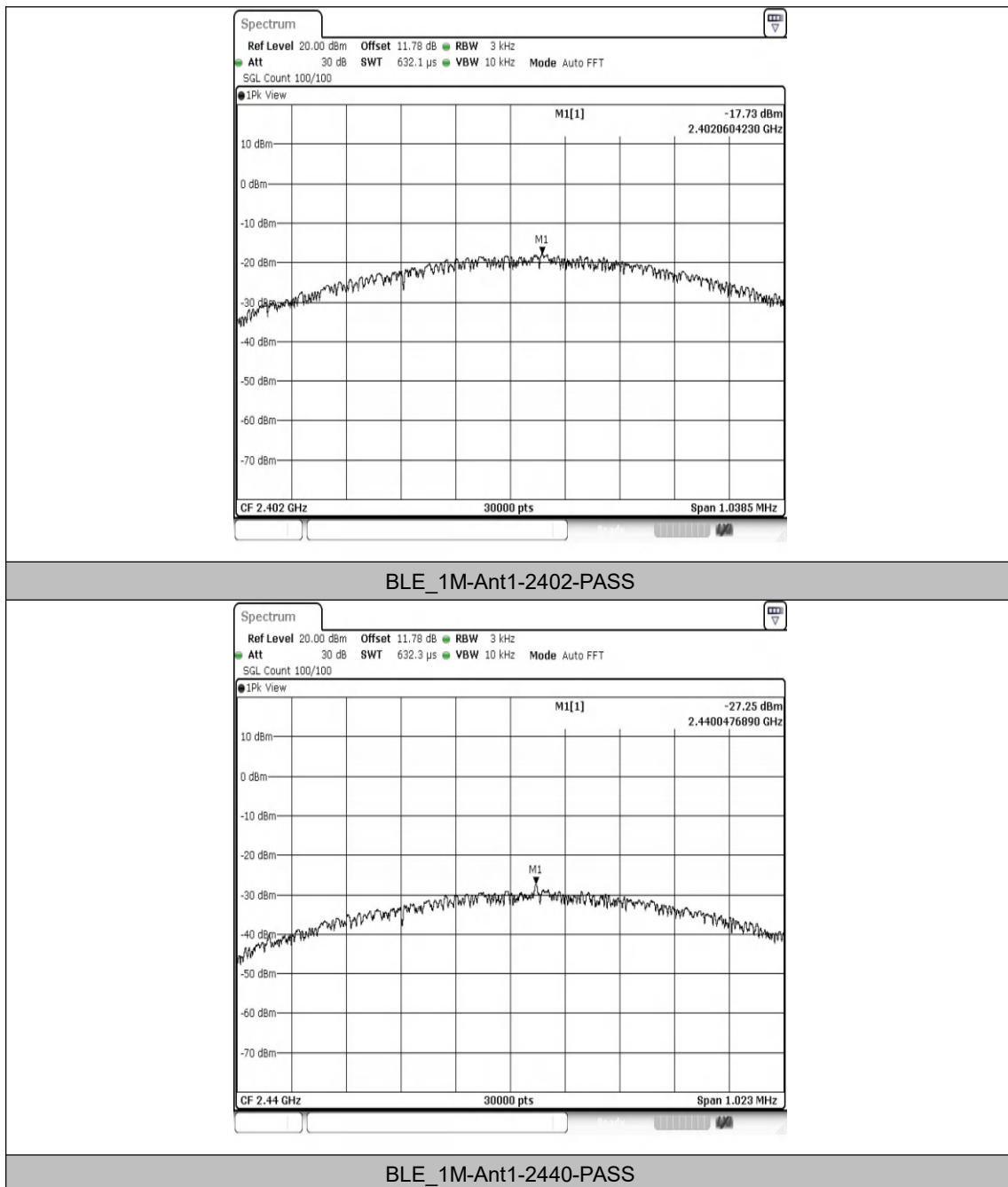
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-17.73	≤8.00	PASS
BLE_1M	Ant1	2440	-27.25	≤8.00	PASS
BLE_1M	Ant1	2480	-16.41	≤8.00	PASS
BLE_2M	Ant1	2402	-23.02	≤8.00	PASS
BLE_2M	Ant1	2440	-30.41	≤8.00	PASS
BLE_2M	Ant1	2480	-22.42	≤8.00	PASS

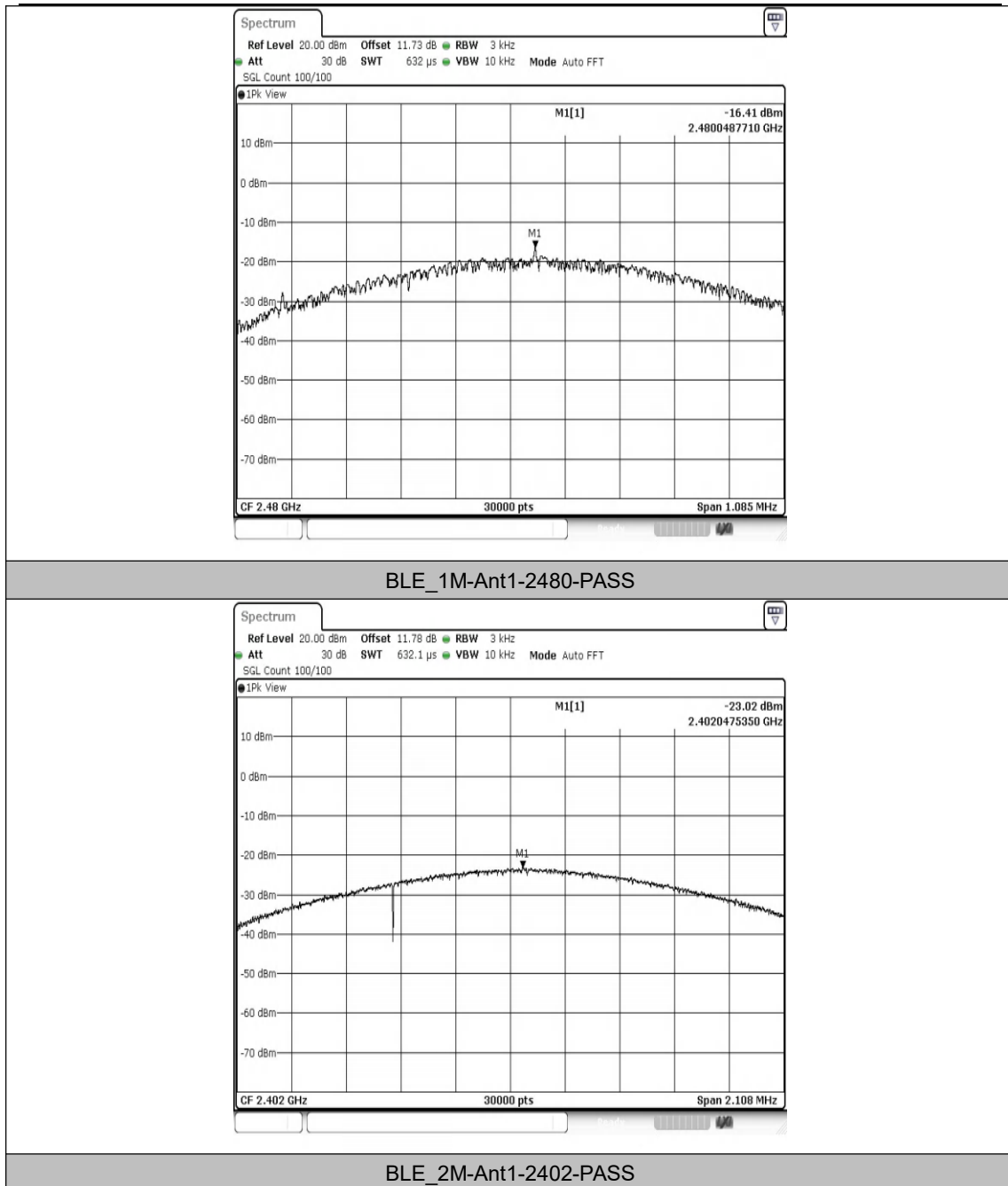
Test Graphs



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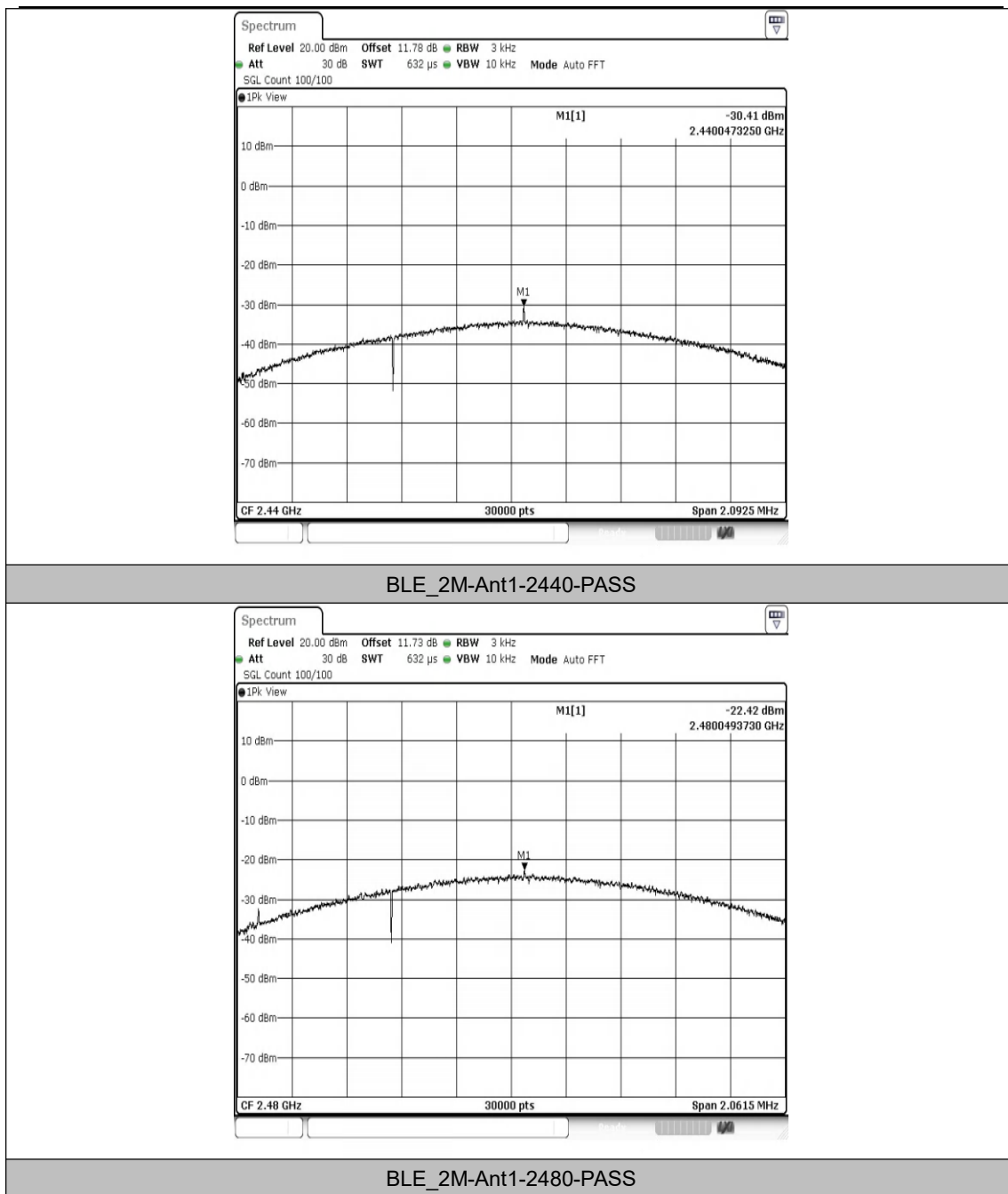
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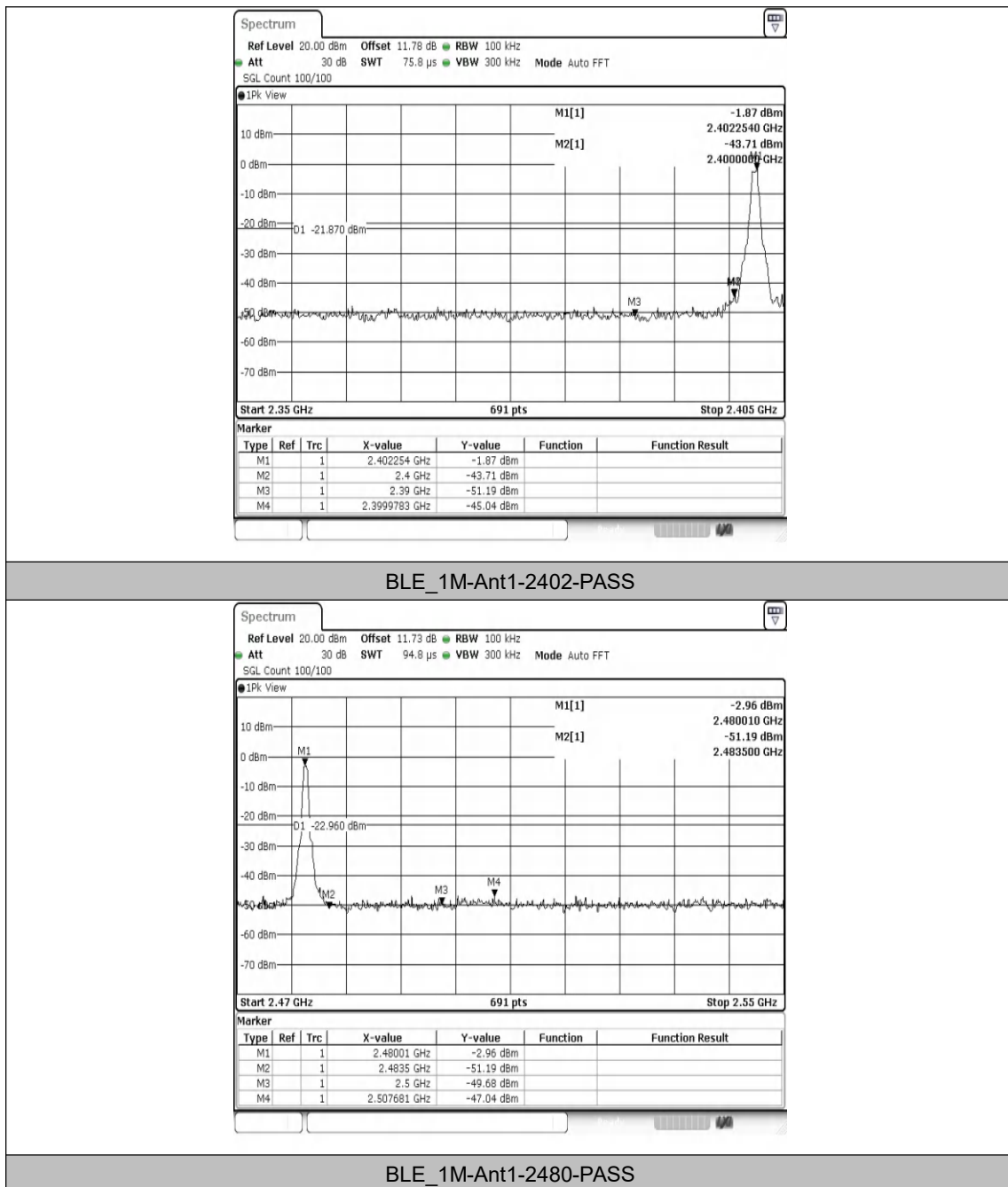
Appendix E: Band edge measurements

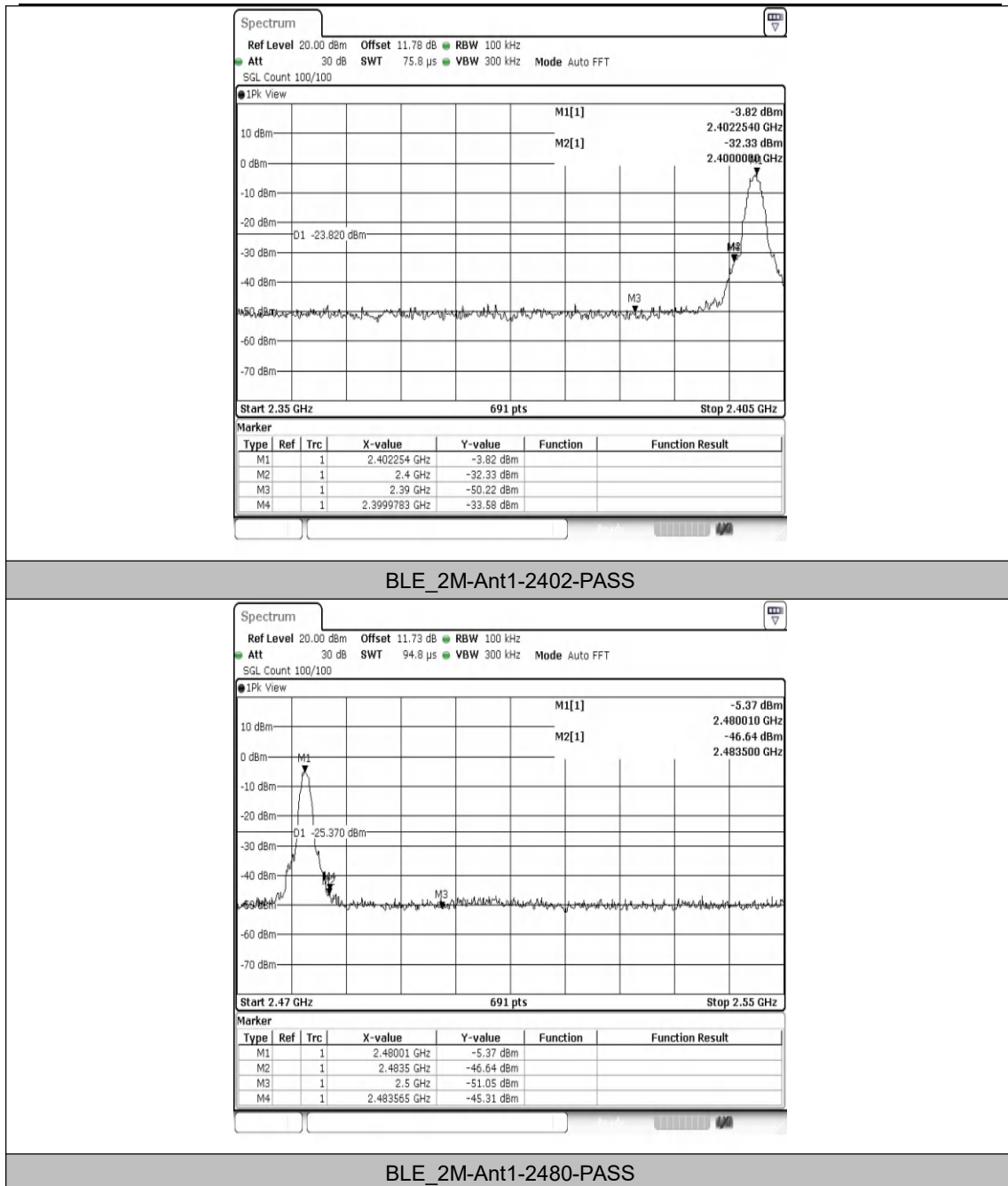
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.87	-45.04	≤-21.87	PASS
BLE_1M	Ant1	High	2480	-2.96	-47.04	≤-22.96	PASS
BLE_2M	Ant1	Low	2402	-3.82	-33.58	≤-23.82	PASS
BLE_2M	Ant1	High	2480	-5.37	-45.31	≤-25.37	PASS



Test Graphs



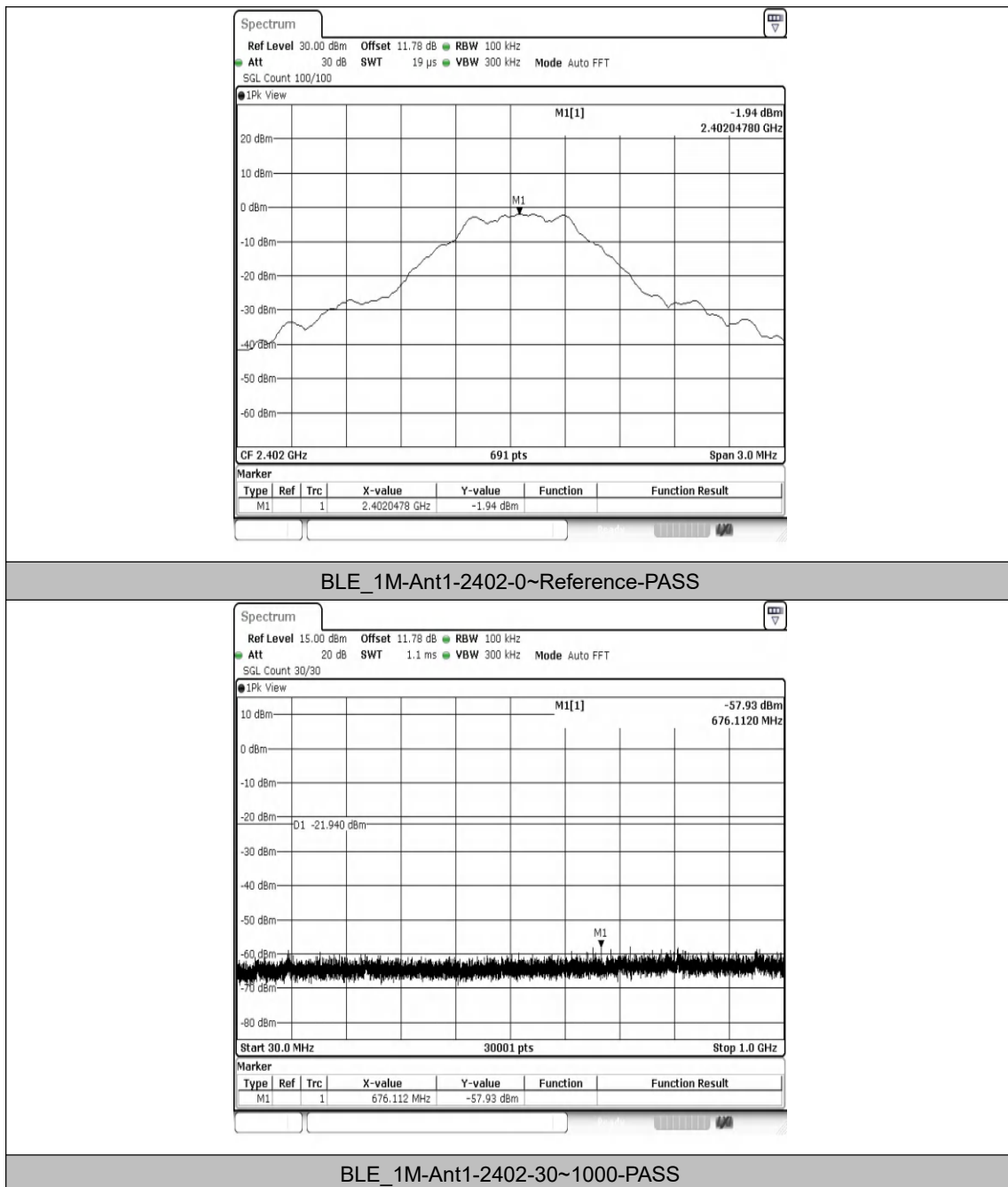


Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-1.94	-1.94	---	PASS
BLE_1M	Ant1	2402	30~1000	-1.94	-57.93	≤-21.94	PASS
BLE_1M	Ant1	2402	1000~26500	-1.94	-43.7	≤-21.94	PASS
BLE_1M	Ant1	2440	0~Reference	-13.07	-13.07	---	PASS
BLE_1M	Ant1	2440	30~1000	-13.07	-58.07	≤-33.07	PASS
BLE_1M	Ant1	2440	1000~26500	-13.07	-44.05	≤-33.07	PASS
BLE_1M	Ant1	2480	0~Reference	-2.74	-2.74	---	PASS
BLE_1M	Ant1	2480	30~1000	-2.74	-58.66	≤-22.74	PASS
BLE_1M	Ant1	2480	1000~26500	-2.74	-43.34	≤-22.74	PASS
BLE_2M	Ant1	2402	0~Reference	-4.49	-4.49	---	PASS
BLE_2M	Ant1	2402	30~1000	-4.49	-58.32	≤-24.49	PASS
BLE_2M	Ant1	2402	1000~26500	-4.49	-44.48	≤-24.49	PASS
BLE_2M	Ant1	2440	0~Reference	-14.48	-14.48	---	PASS
BLE_2M	Ant1	2440	30~1000	-14.48	-58.38	≤-34.48	PASS
BLE_2M	Ant1	2440	1000~26500	-14.48	-44.28	≤-34.48	PASS
BLE_2M	Ant1	2480	0~Reference	-5.03	-5.03	---	PASS
BLE_2M	Ant1	2480	30~1000	-5.03	-57.85	≤-25.03	PASS
BLE_2M	Ant1	2480	1000~26500	-5.03	-44.44	≤-25.03	PASS

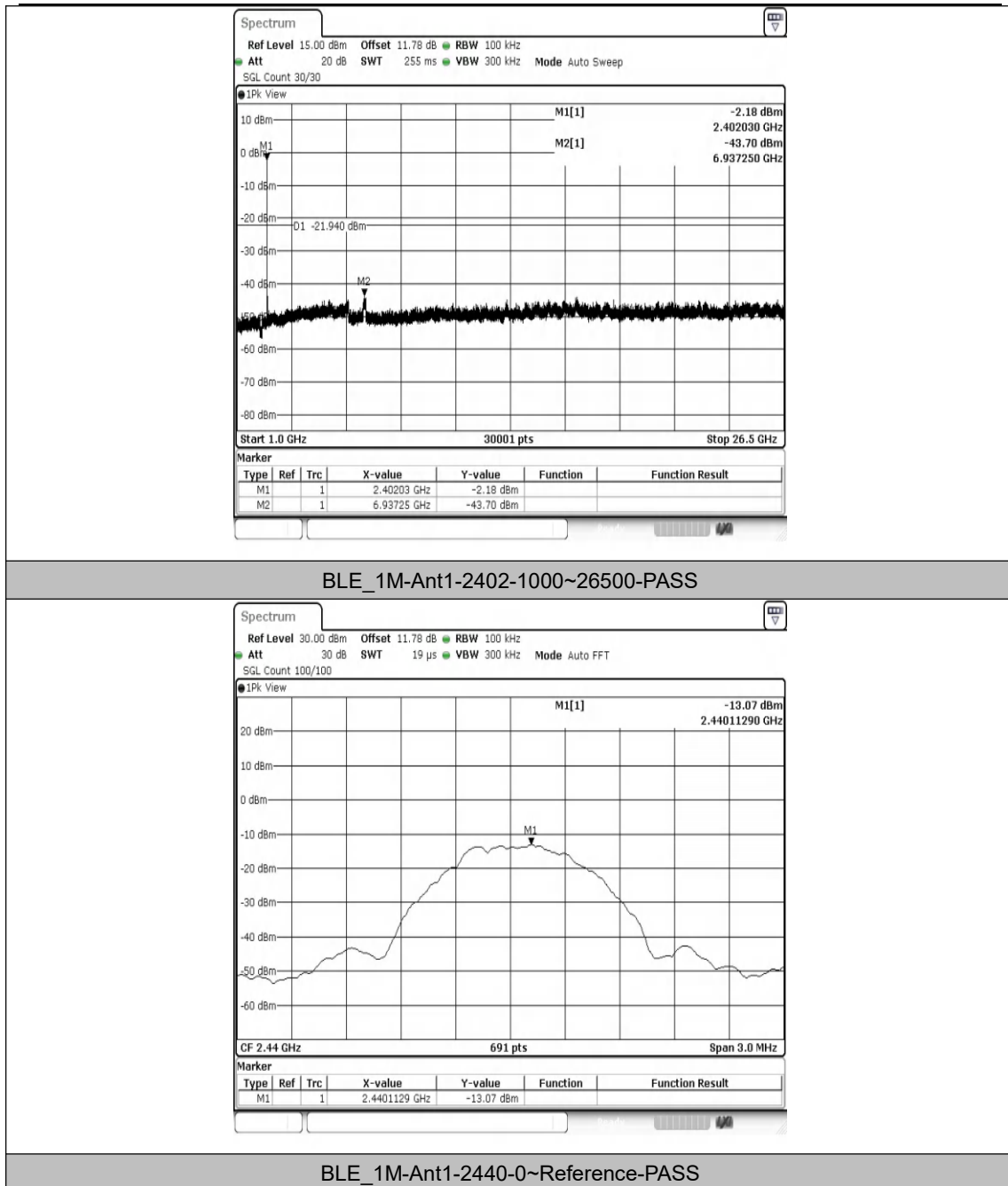
Test Graphs



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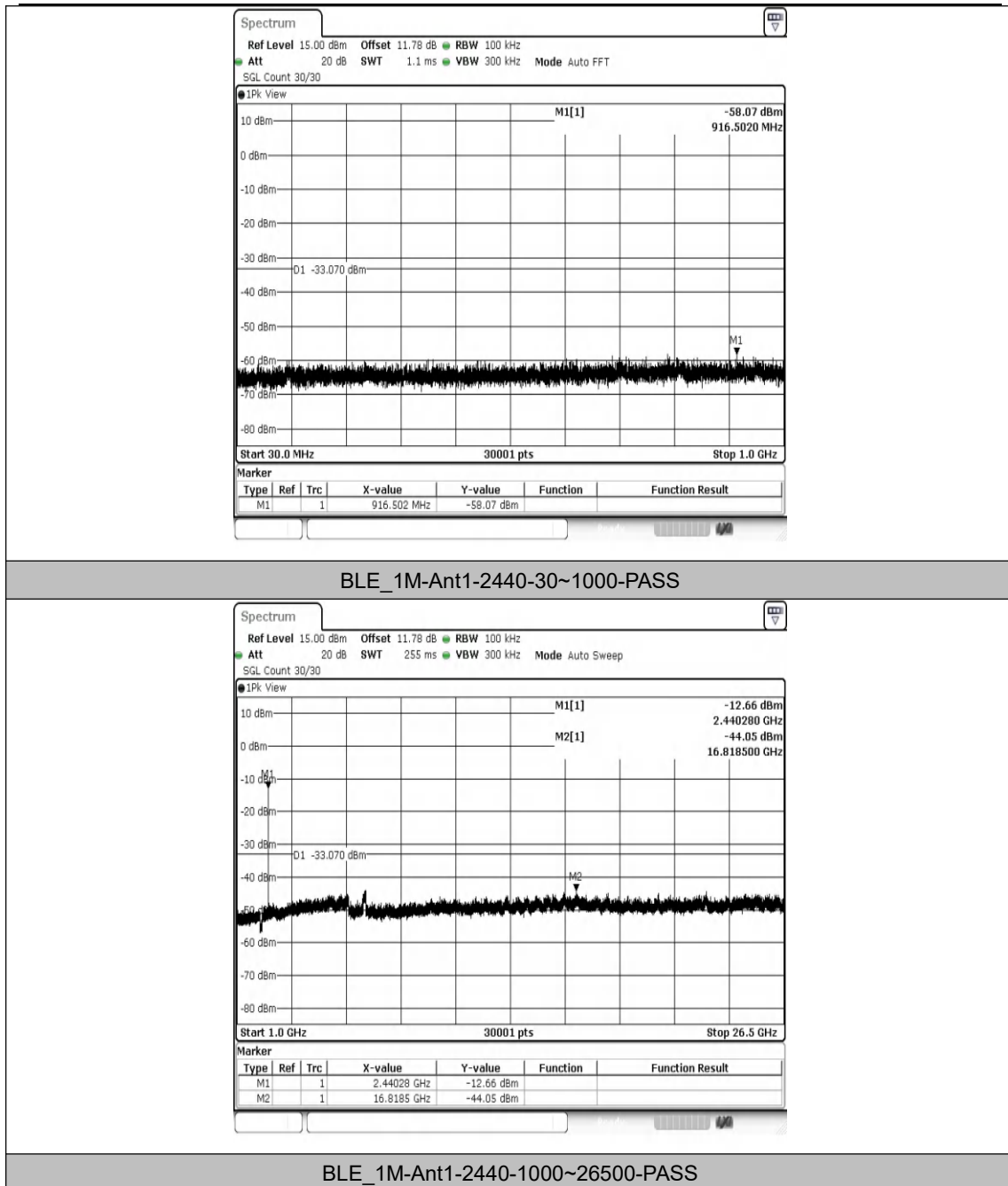
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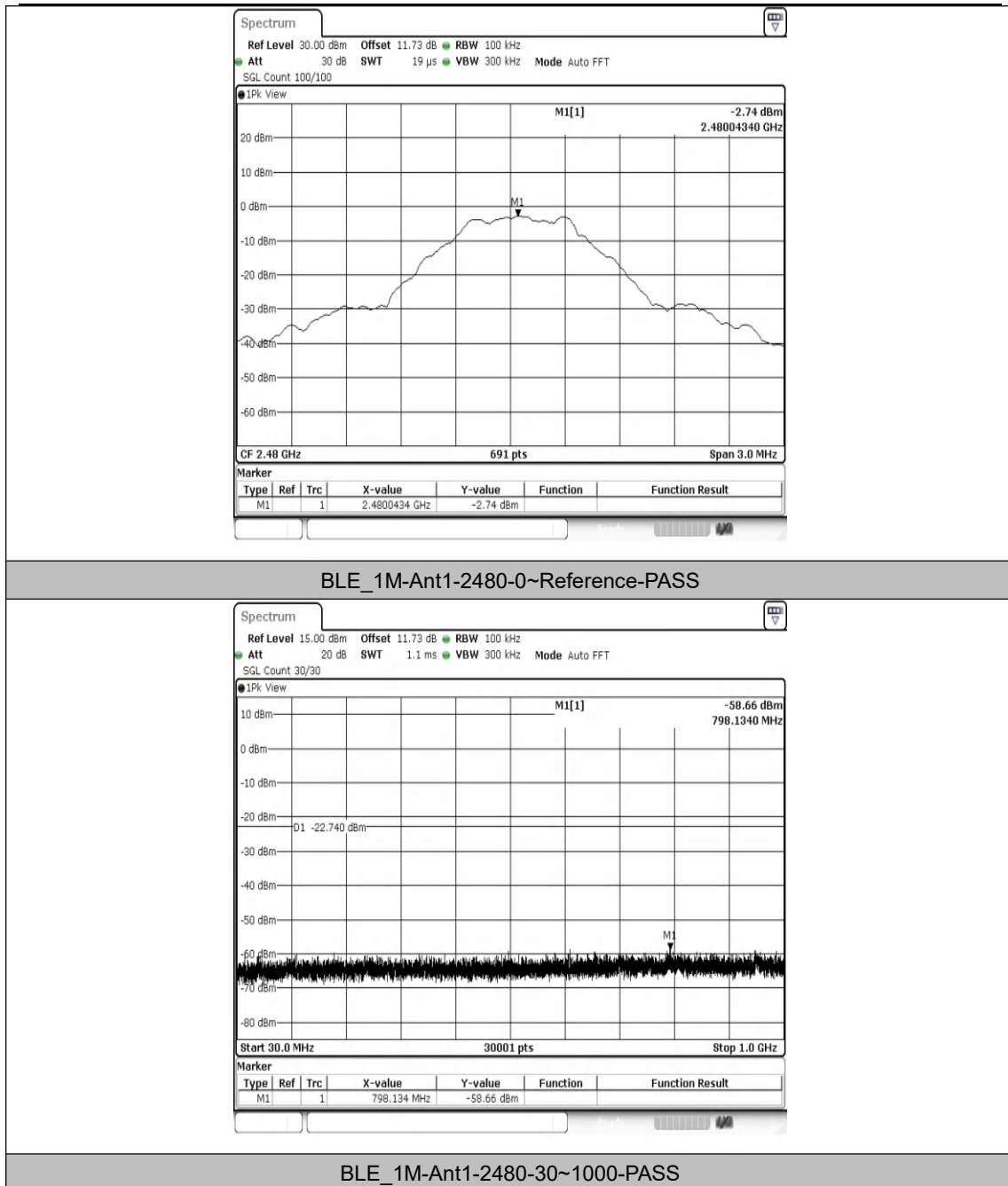
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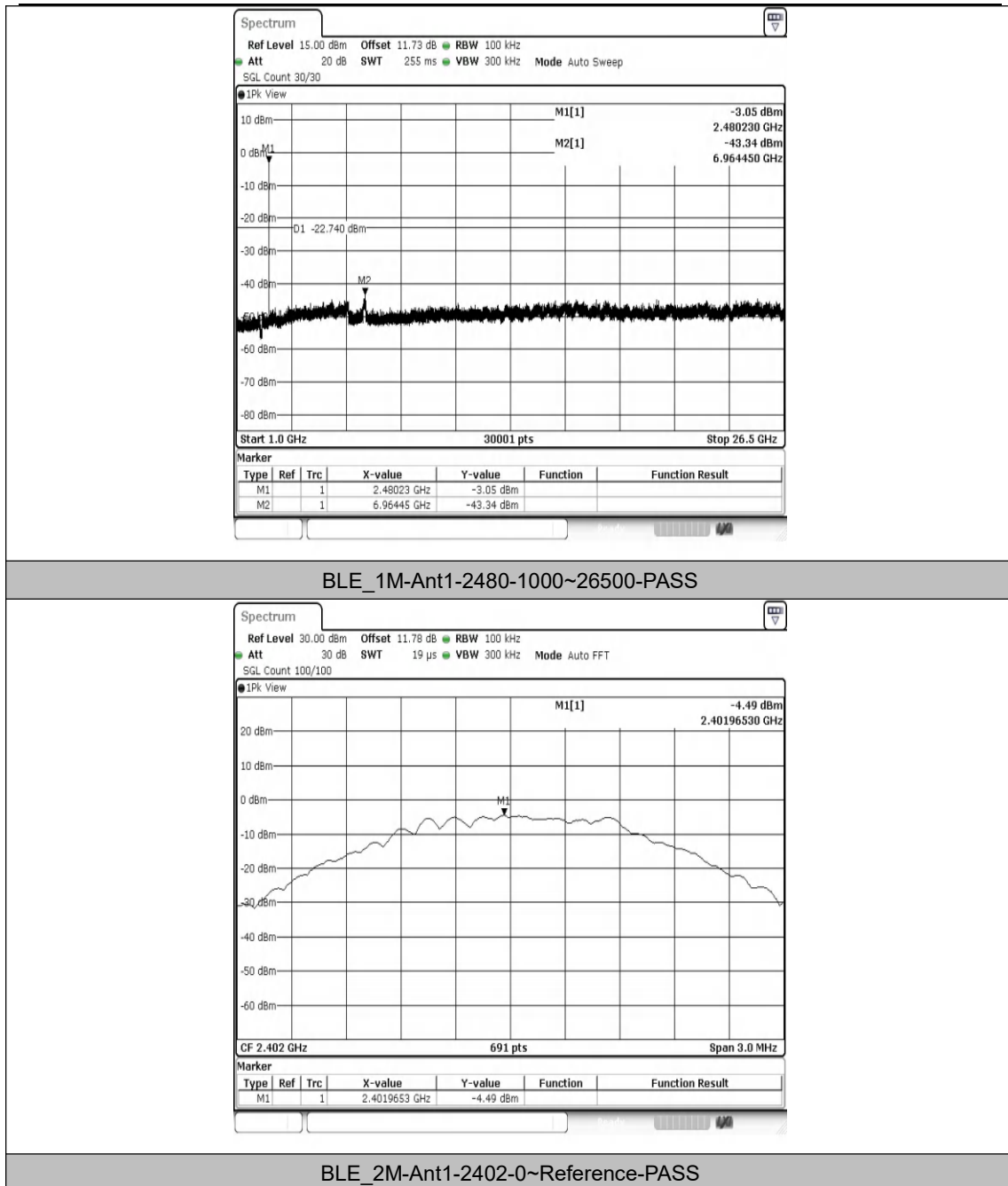
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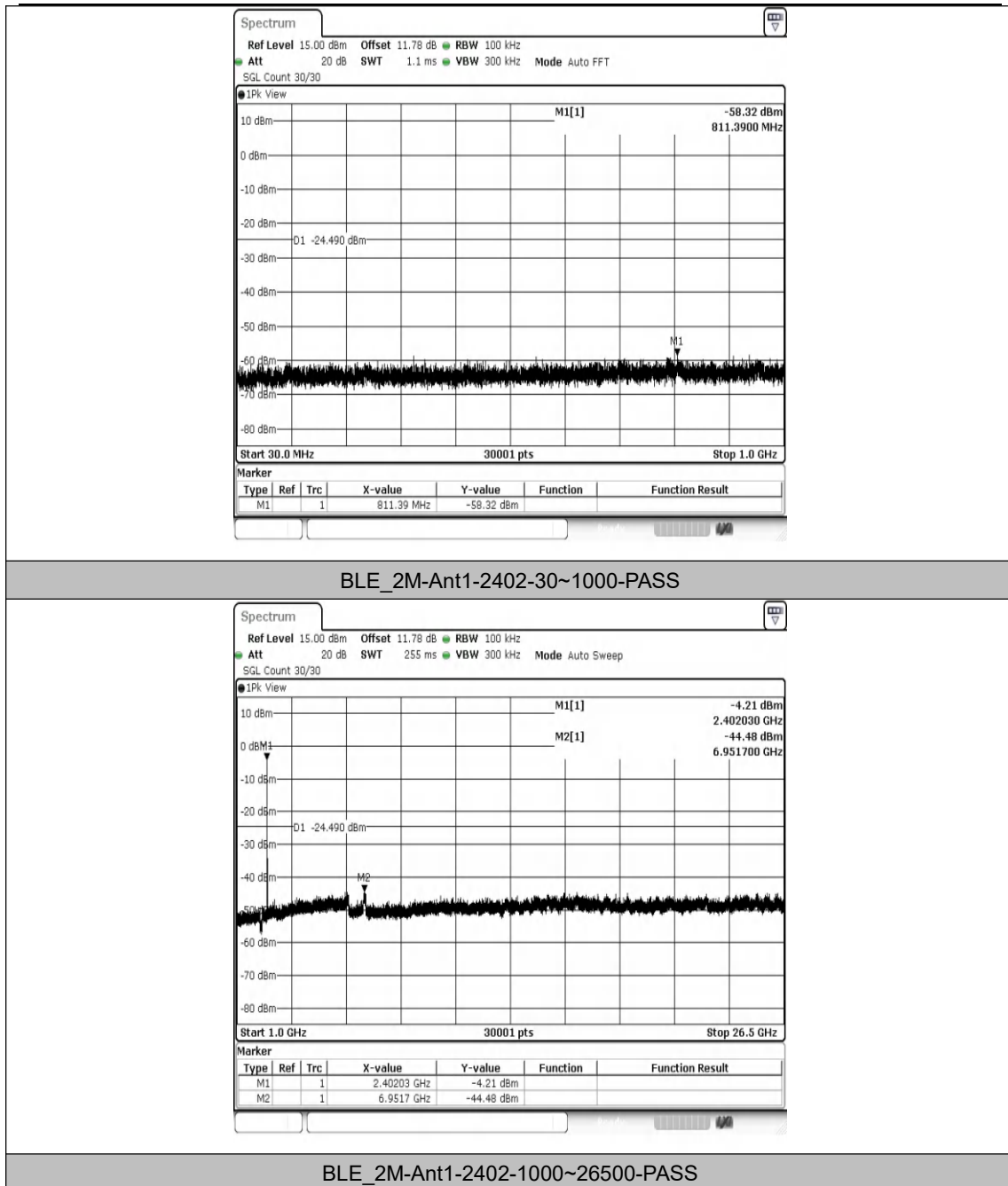
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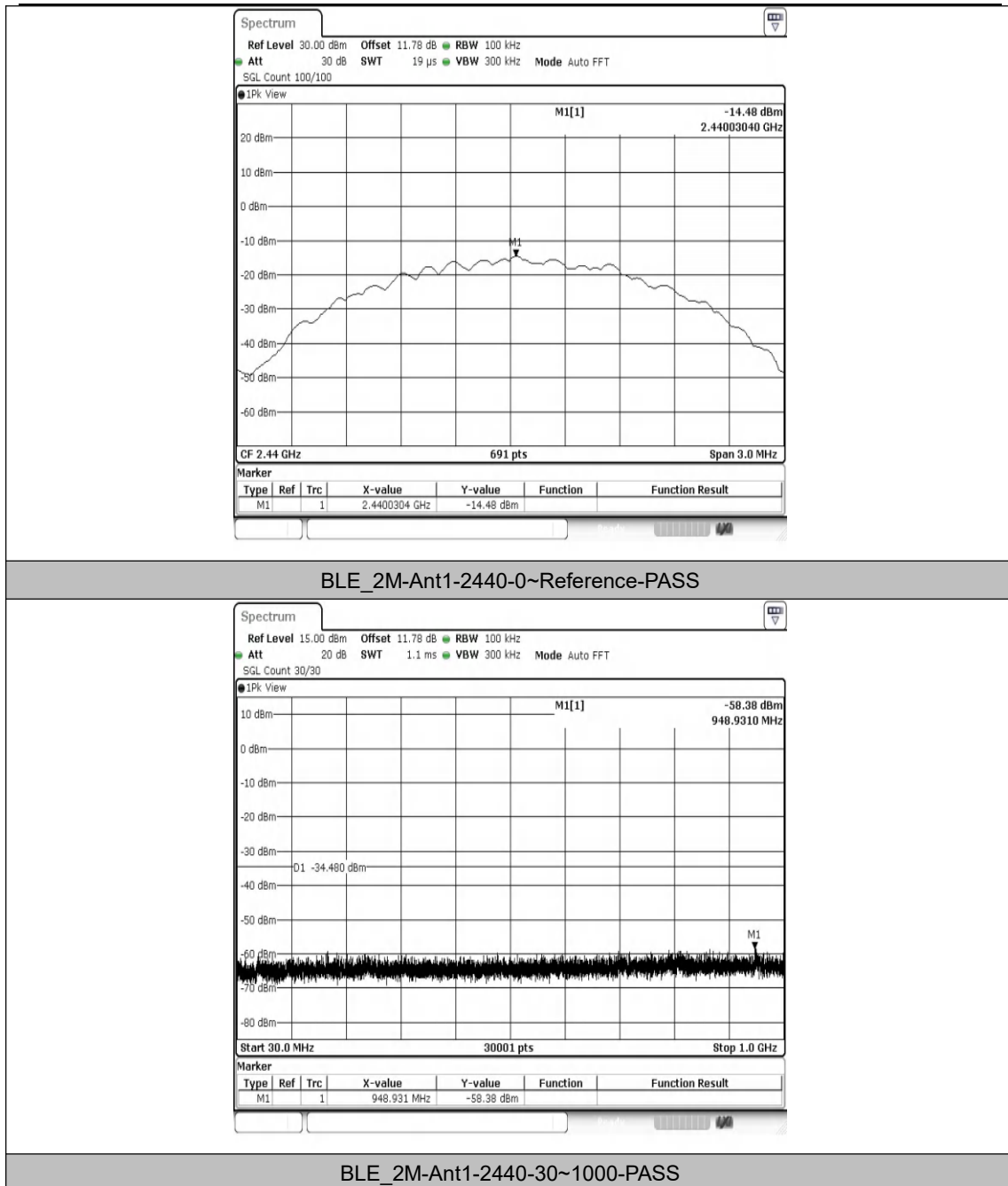
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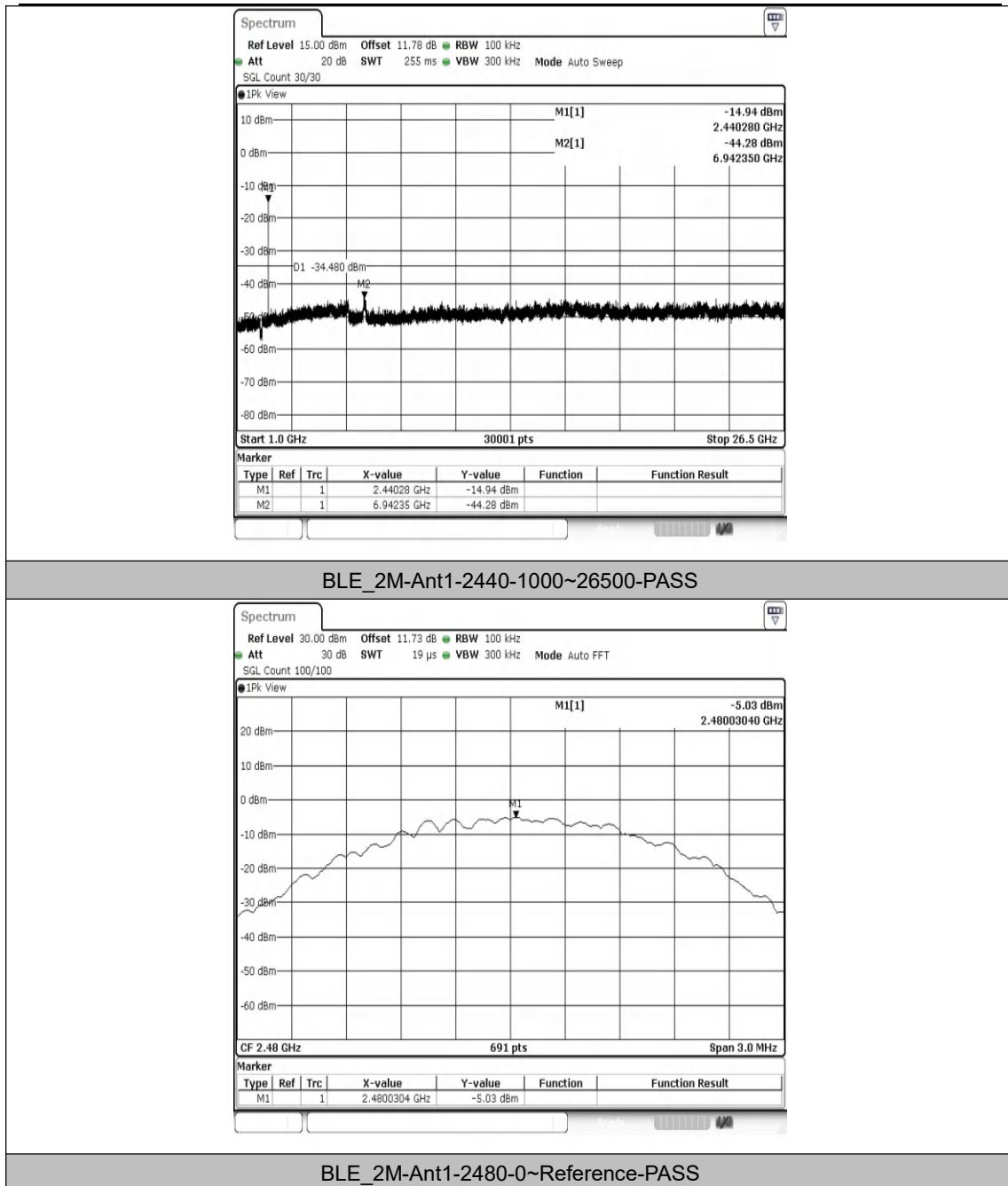
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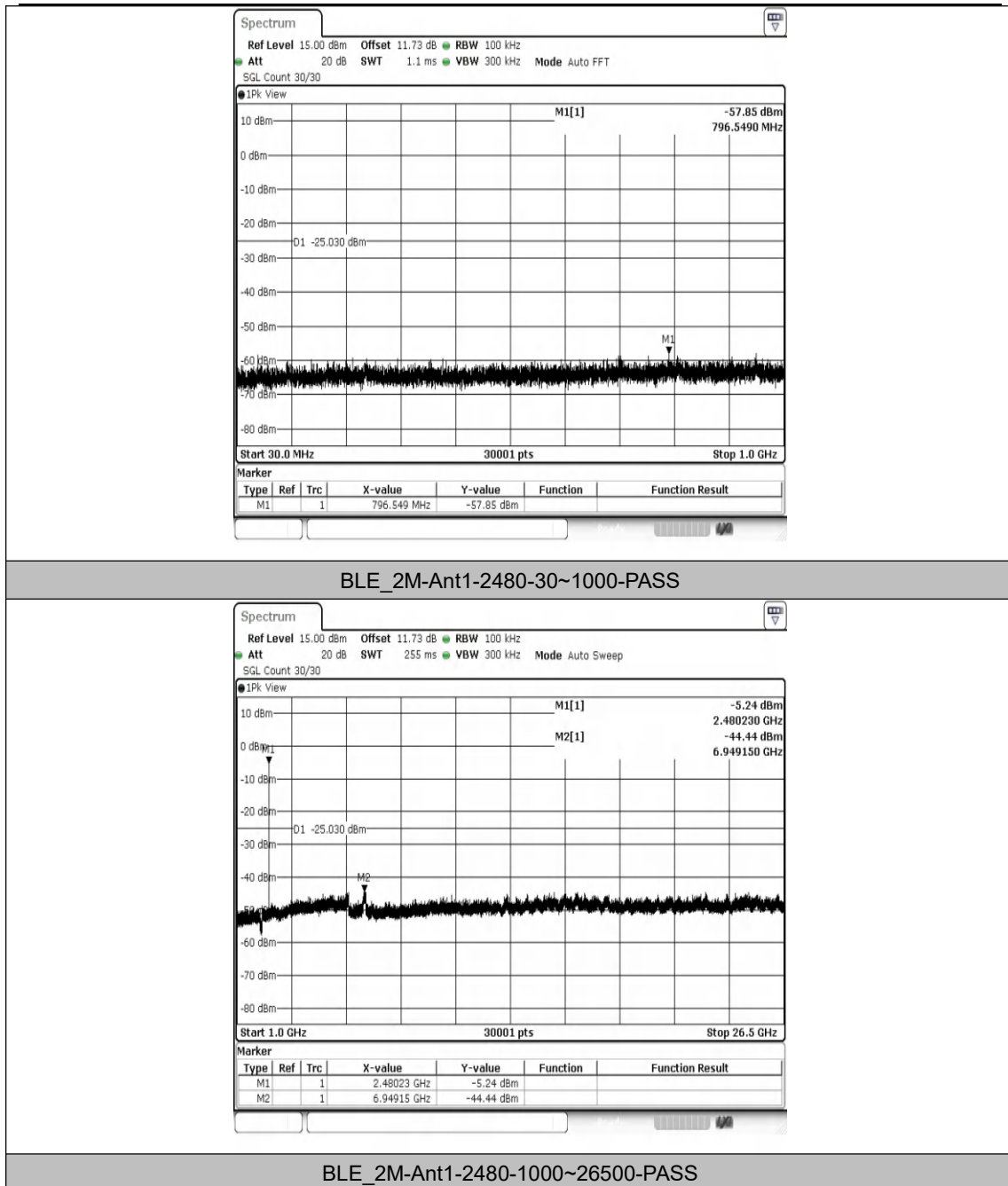


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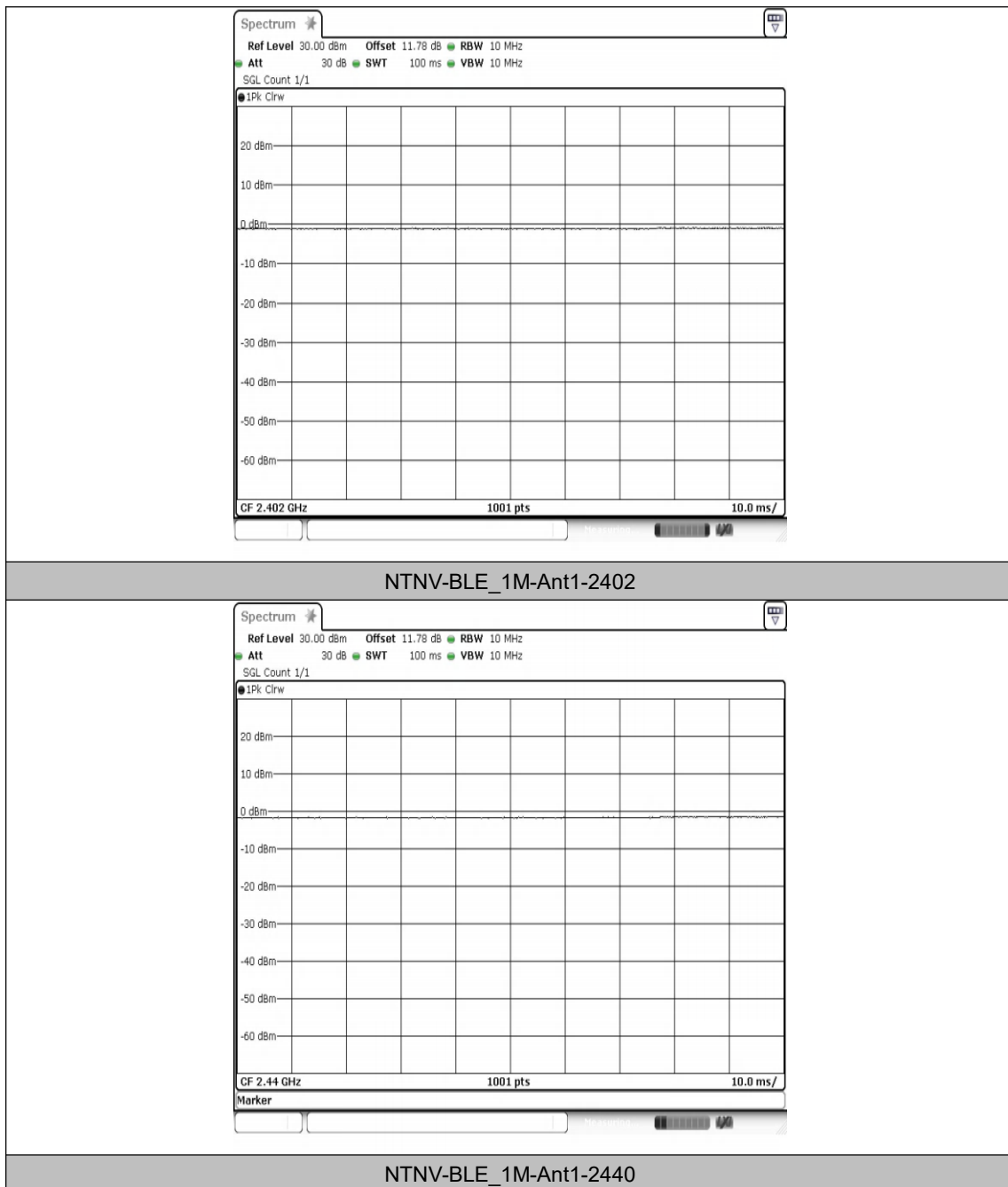
Appendix G: Duty Cycle

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	100.00	0.00
BLE_1M	Ant1	2440	100.00	100.00	100.00	0.00
BLE_1M	Ant1	2480	100.00	100.00	100.00	0.00
BLE_2M	Ant1	2402	100.00	100.00	100.00	0.00
BLE_2M	Ant1	2440	100.00	100.00	100.00	0.00
BLE_2M	Ant1	2480	100.00	100.00	100.00	0.00

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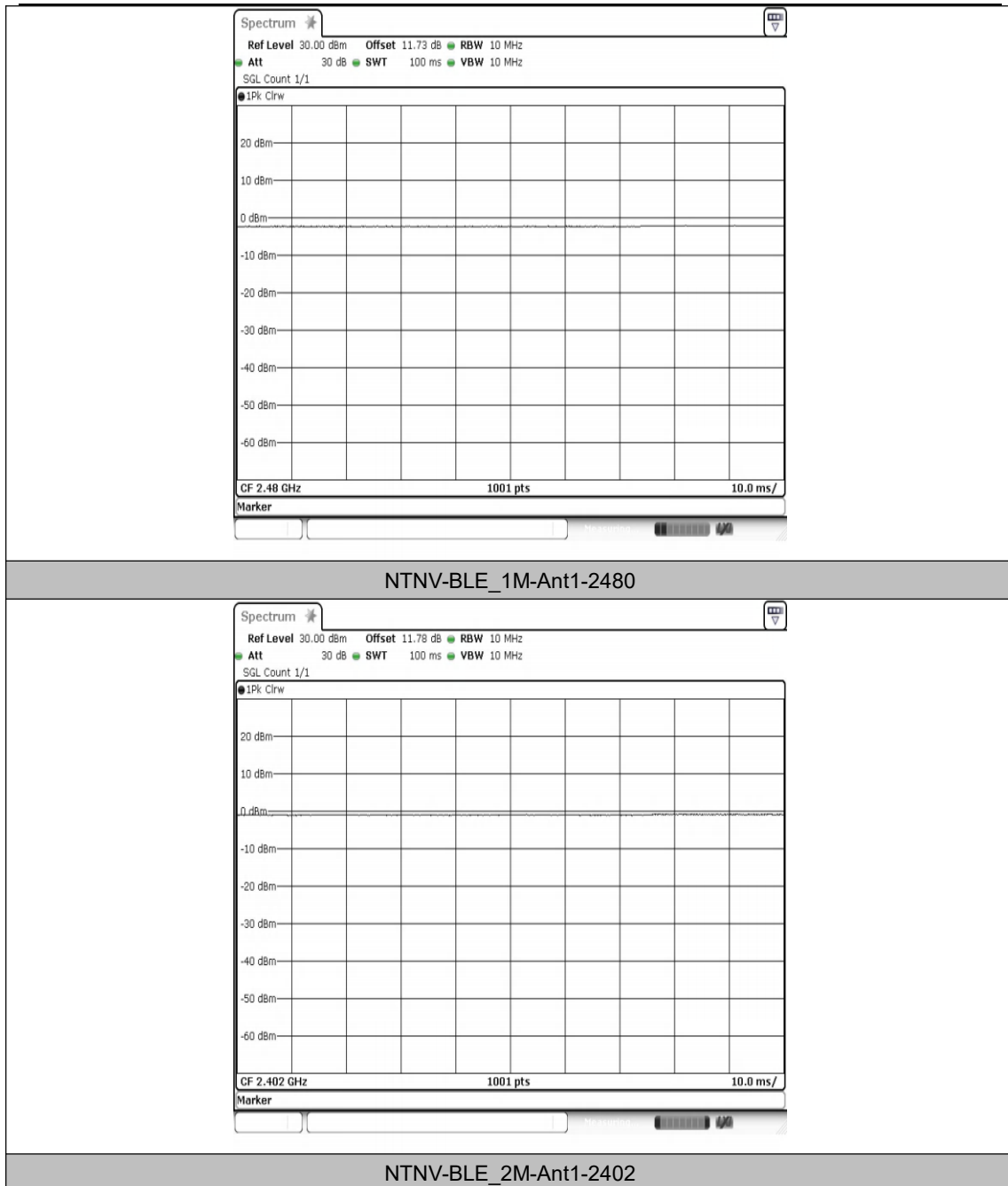
Test Graphs



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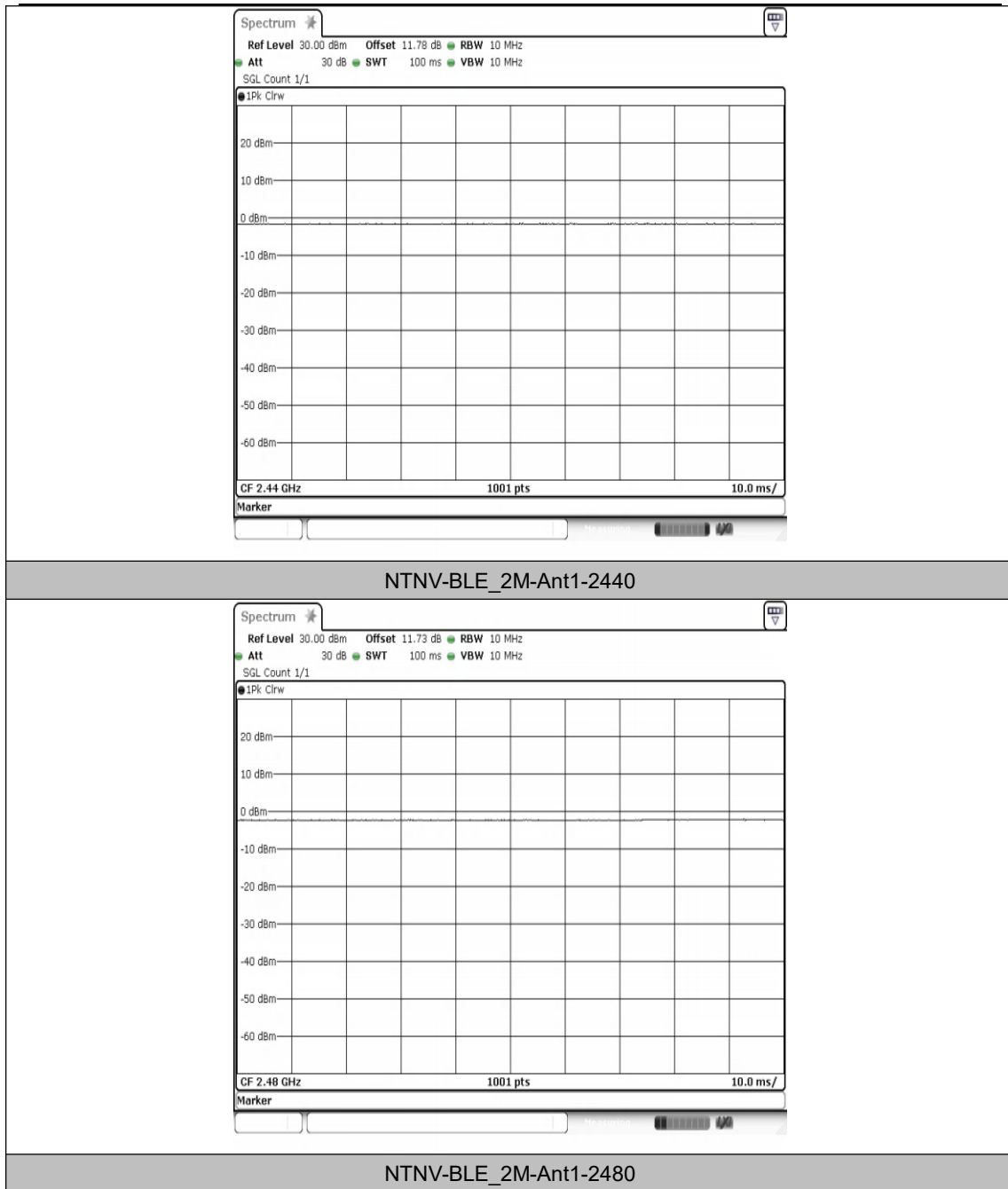
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