

Appendix Test Data

Report No.:	1819C500123125-02-02	Test Sample No.:	1-2-2
Start Test Date:	2025-12-10	Finish Test Date:	2025-12-12
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.4℃	Relative Humidity:	47%
Pressure:	101kPa		



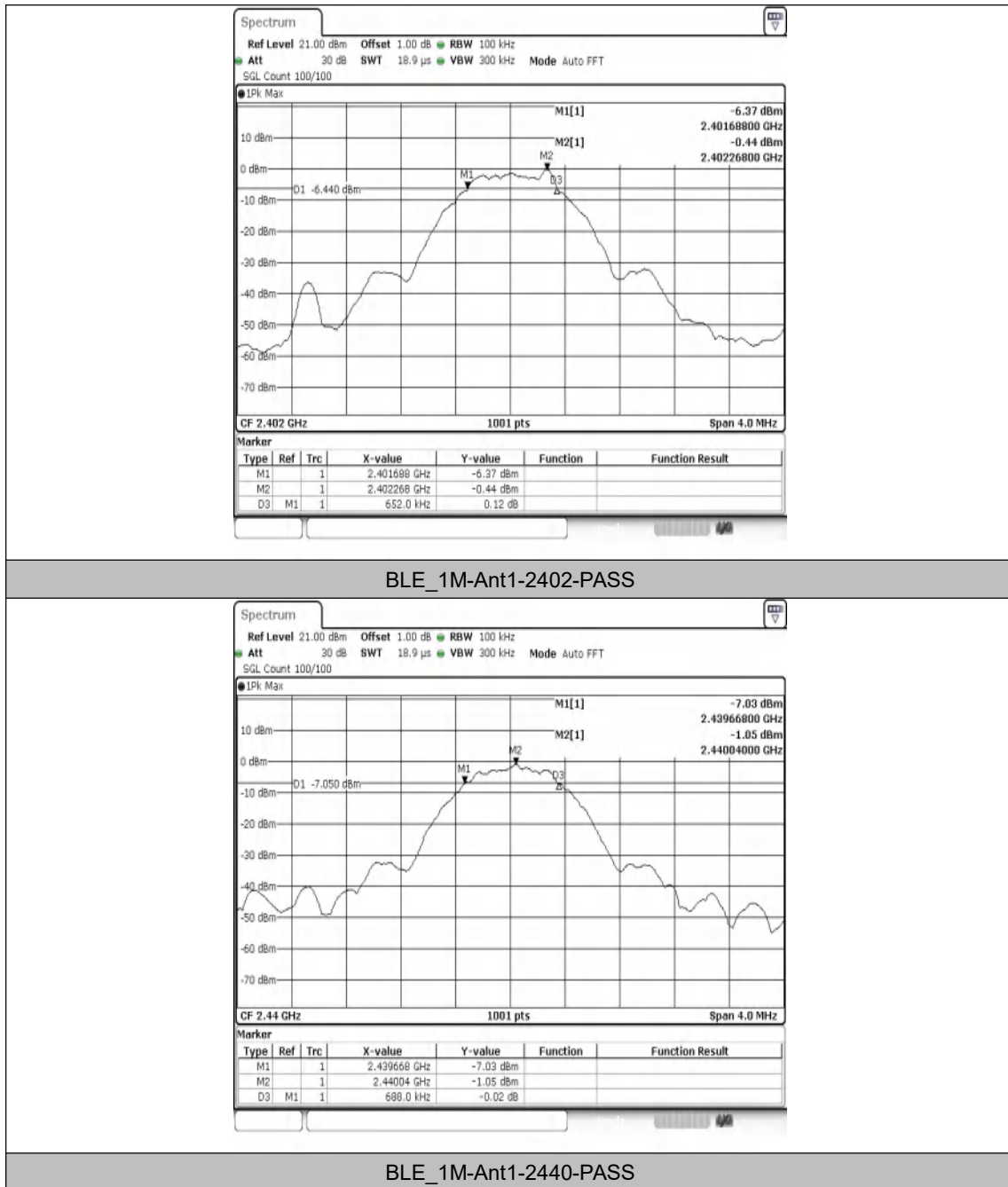
Appendix A: 6dB Bandwidth

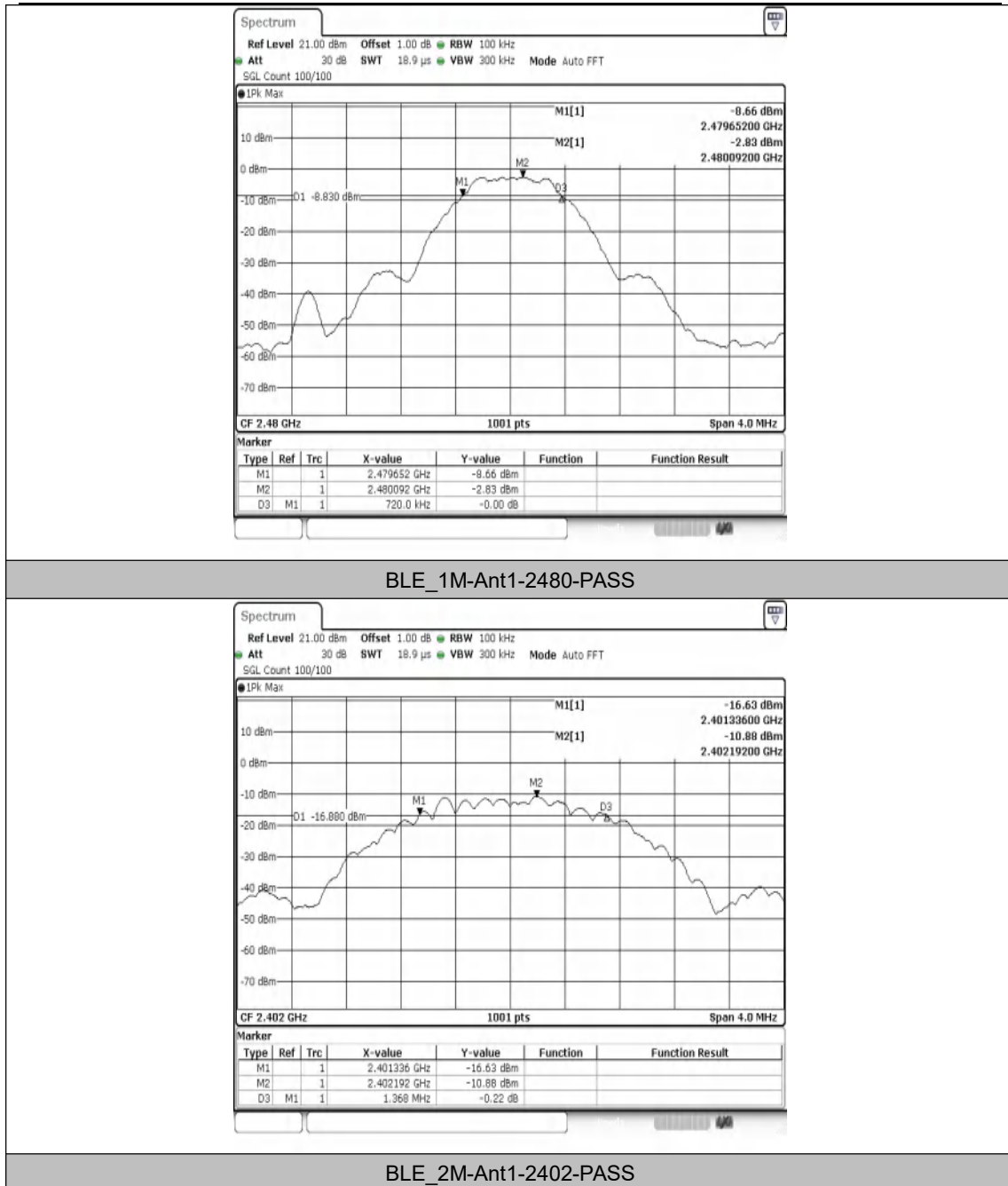
Test Result

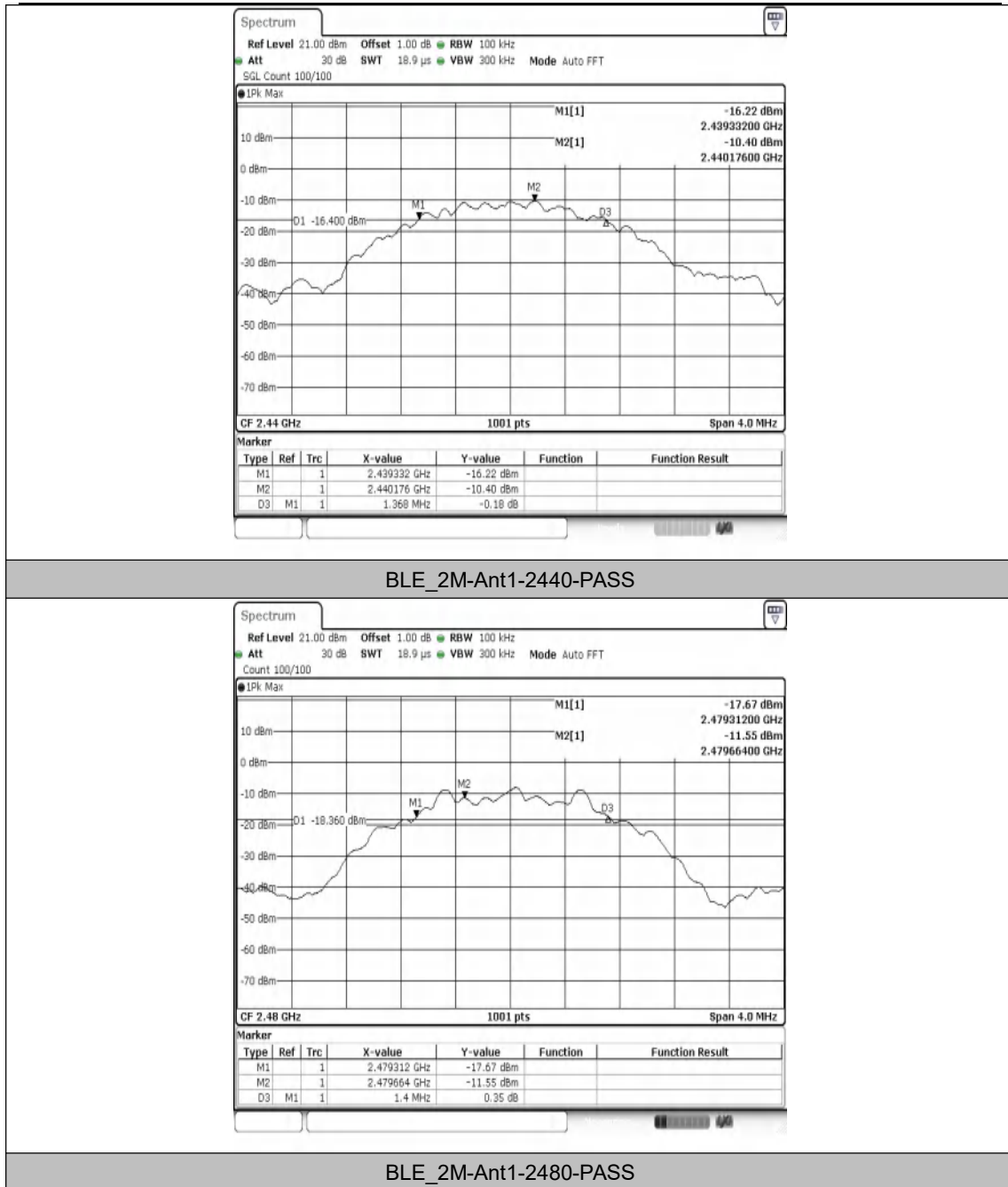
Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.65	2401.69	2402.34	0.5	PASS
BLE_1M	Ant1	2440	0.69	2439.67	2440.36	0.5	PASS
BLE_1M	Ant1	2480	0.72	2479.65	2480.37	0.5	PASS
BLE_2M	Ant1	2402	1.37	2401.34	2402.70	0.5	PASS
BLE_2M	Ant1	2440	1.37	2439.33	2440.70	0.5	PASS
BLE_2M	Ant1	2480	1.40	2479.31	2480.71	0.5	PASS



Test Graphs







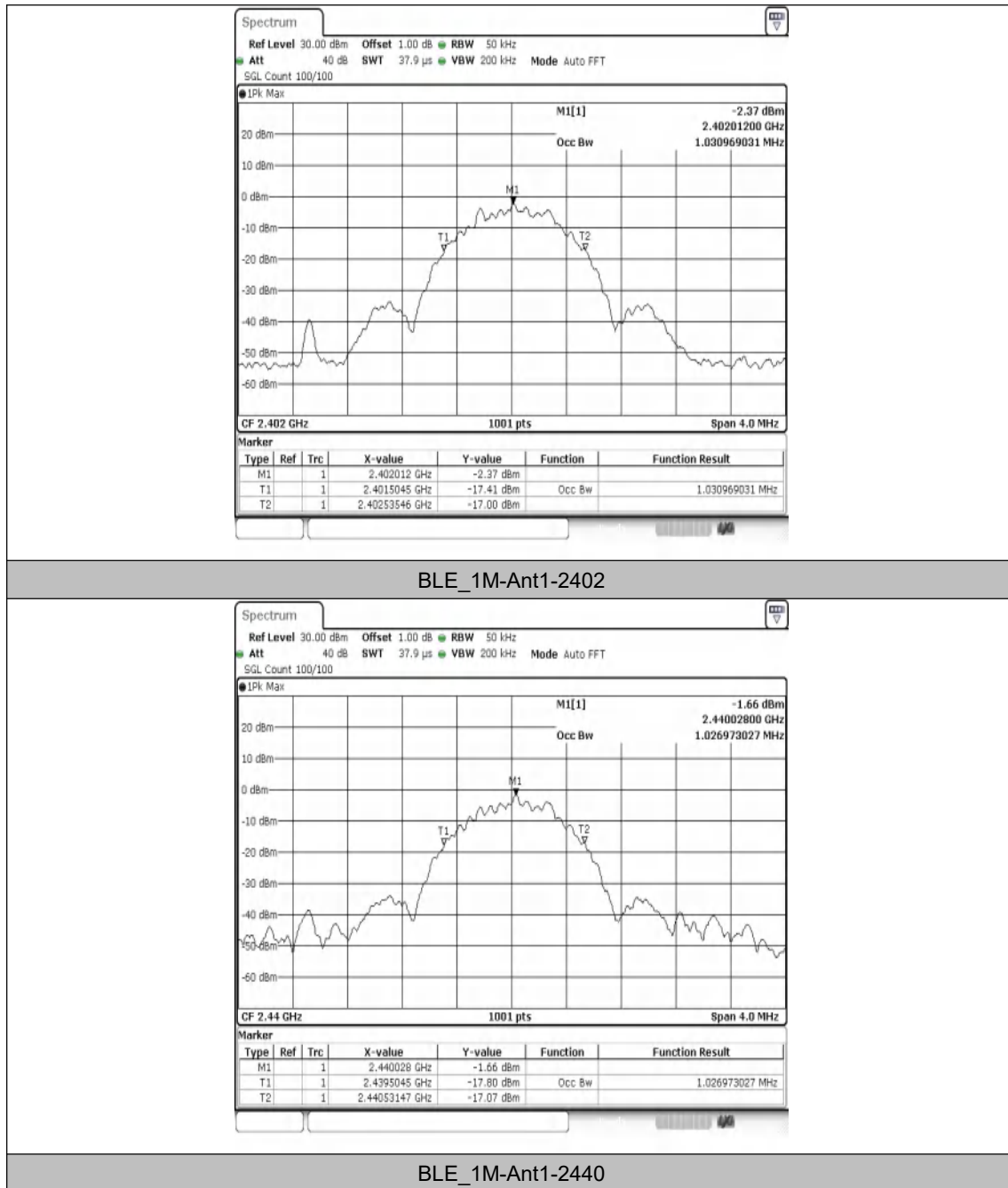
Appendix B: 99% Occupied Bandwidth

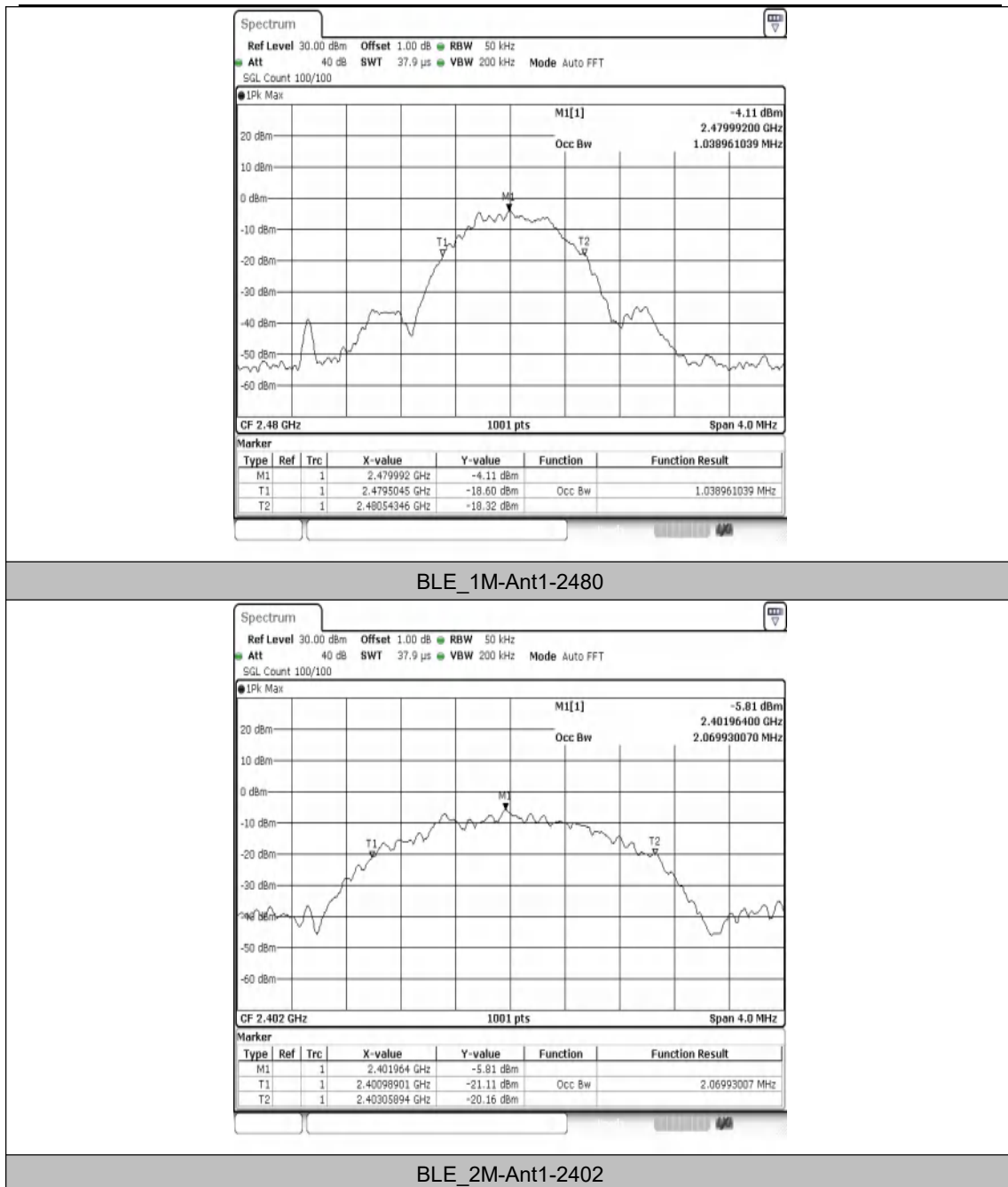
Test Result

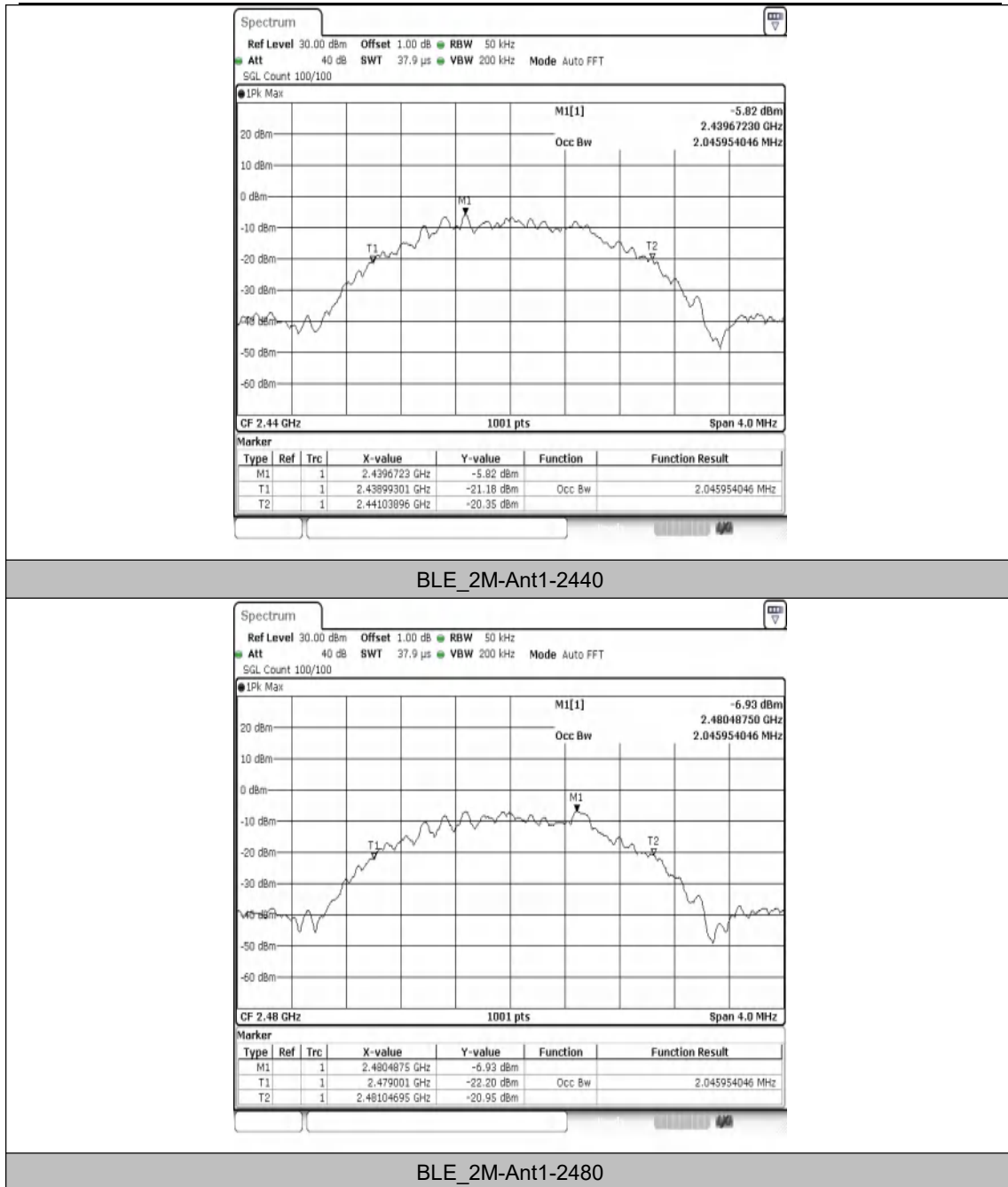
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0310	2401.5045	2402.5355	---	---
BLE_1M	Ant1	2440	1.0270	2439.5045	2440.5315	---	---
BLE_1M	Ant1	2480	1.0390	2479.5045	2480.5435	---	---
BLE_2M	Ant1	2402	2.0699	2400.9890	2403.0589	---	---
BLE_2M	Ant1	2440	2.0460	2438.9930	2441.0390	---	---
BLE_2M	Ant1	2480	2.0460	2479.0010	2481.0470	---	---



Test Graphs





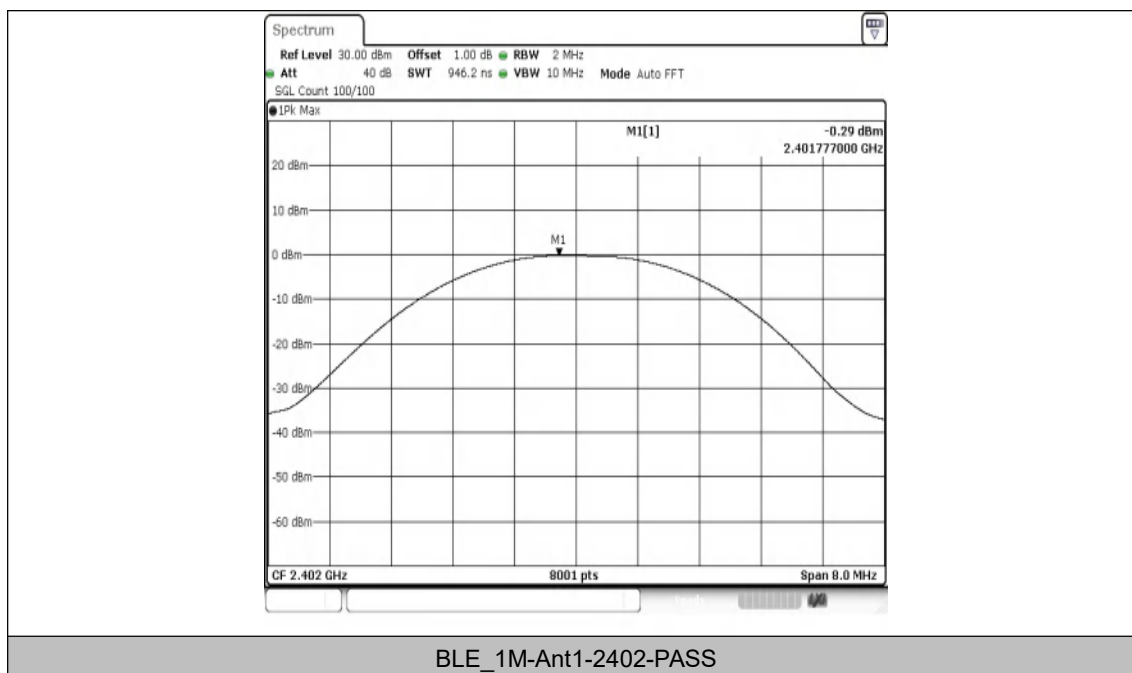


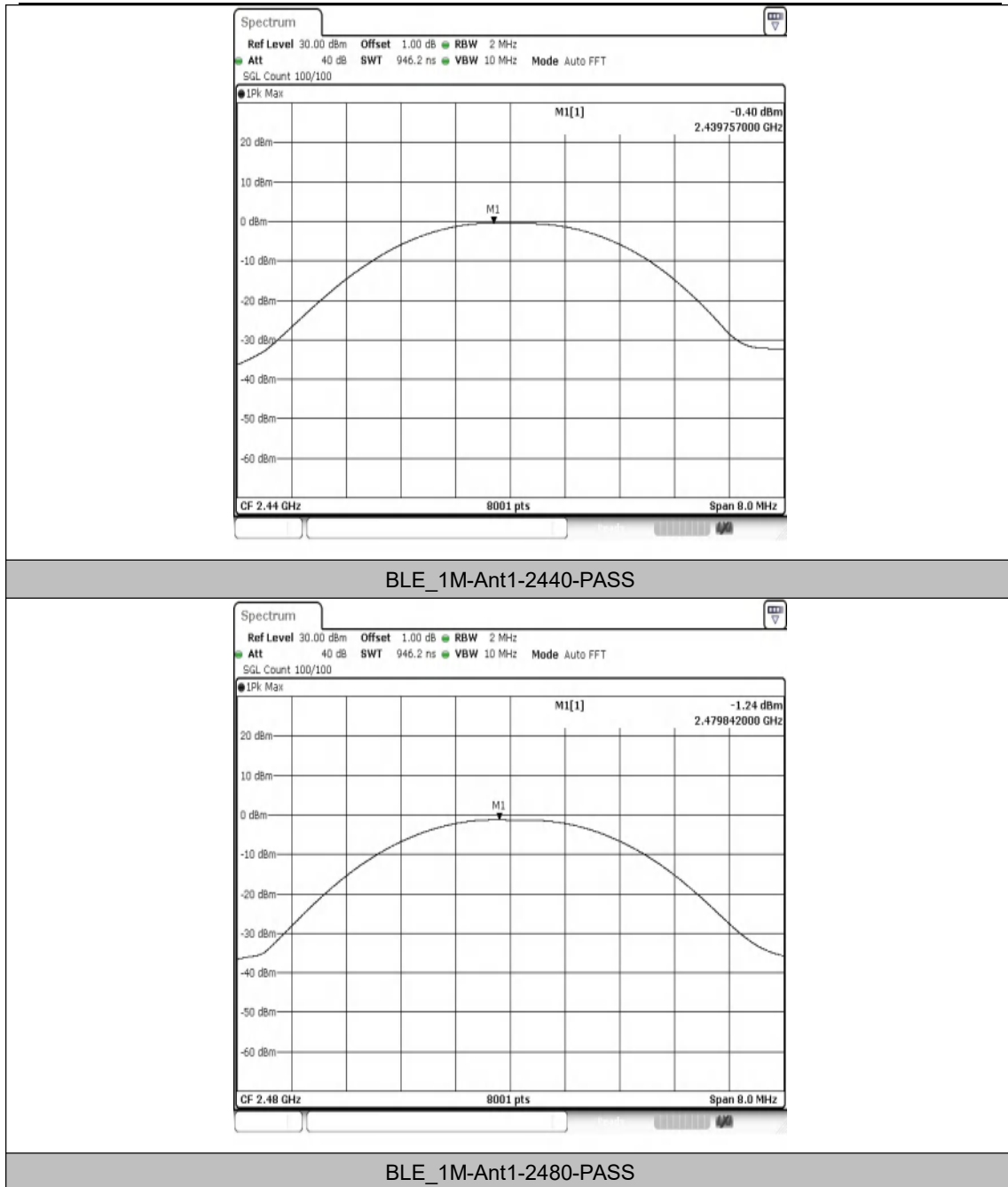
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.29	≤30	PASS
BLE_1M	Ant1	2440	-0.40	≤30	PASS
BLE_1M	Ant1	2480	-1.24	≤30	PASS
BLE_2M	Ant1	2402	-0.20	≤30	PASS
BLE_2M	Ant1	2440	-0.27	≤30	PASS
BLE_2M	Ant1	2480	-0.96	≤30	PASS

Test Graphs Peak



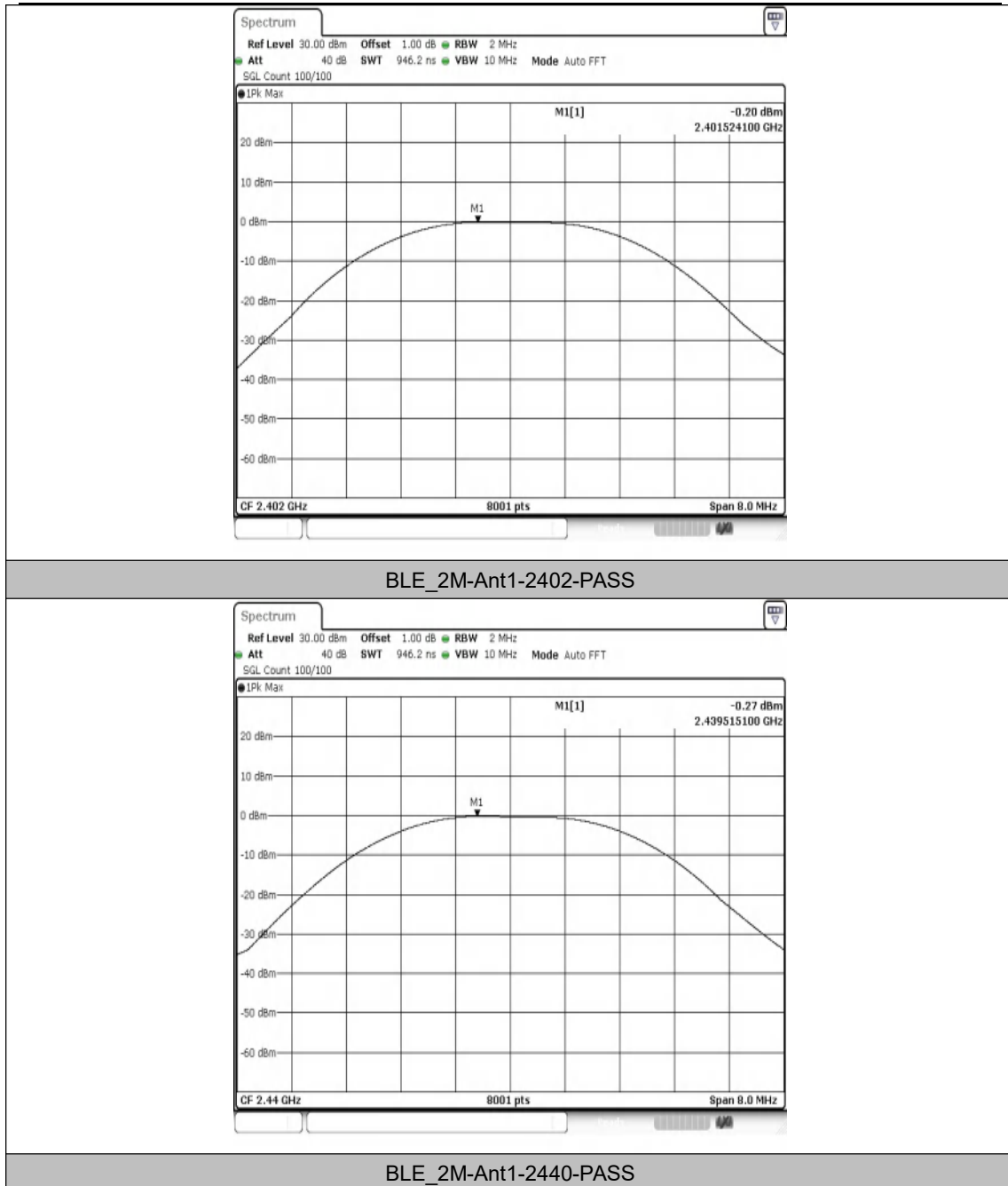


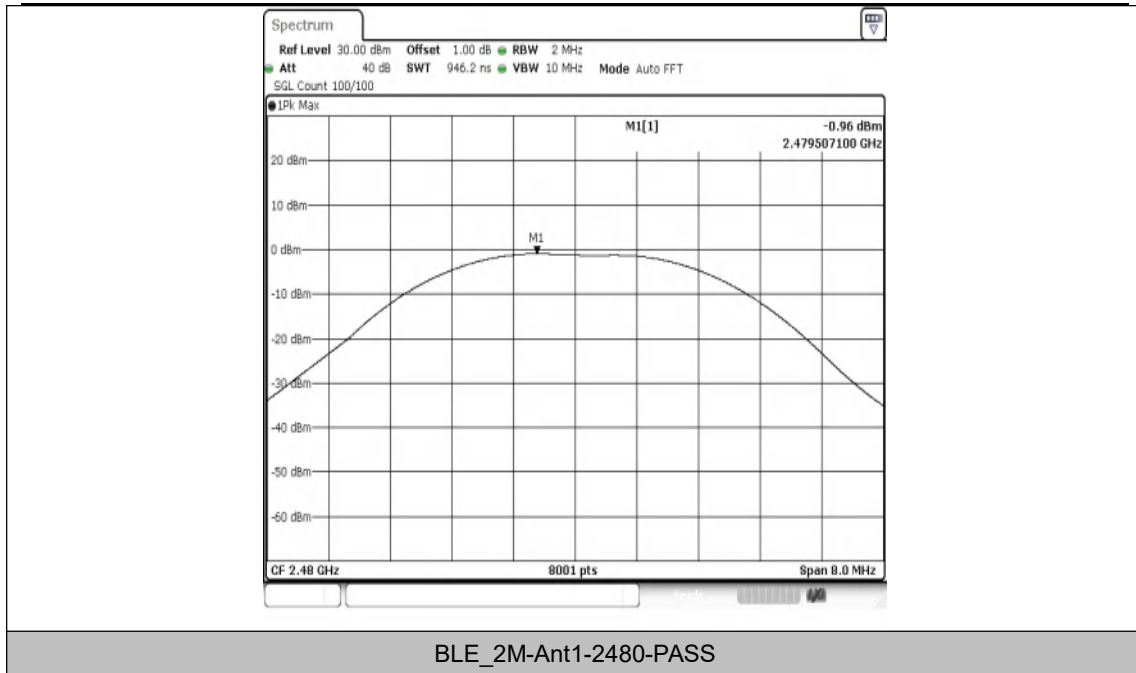
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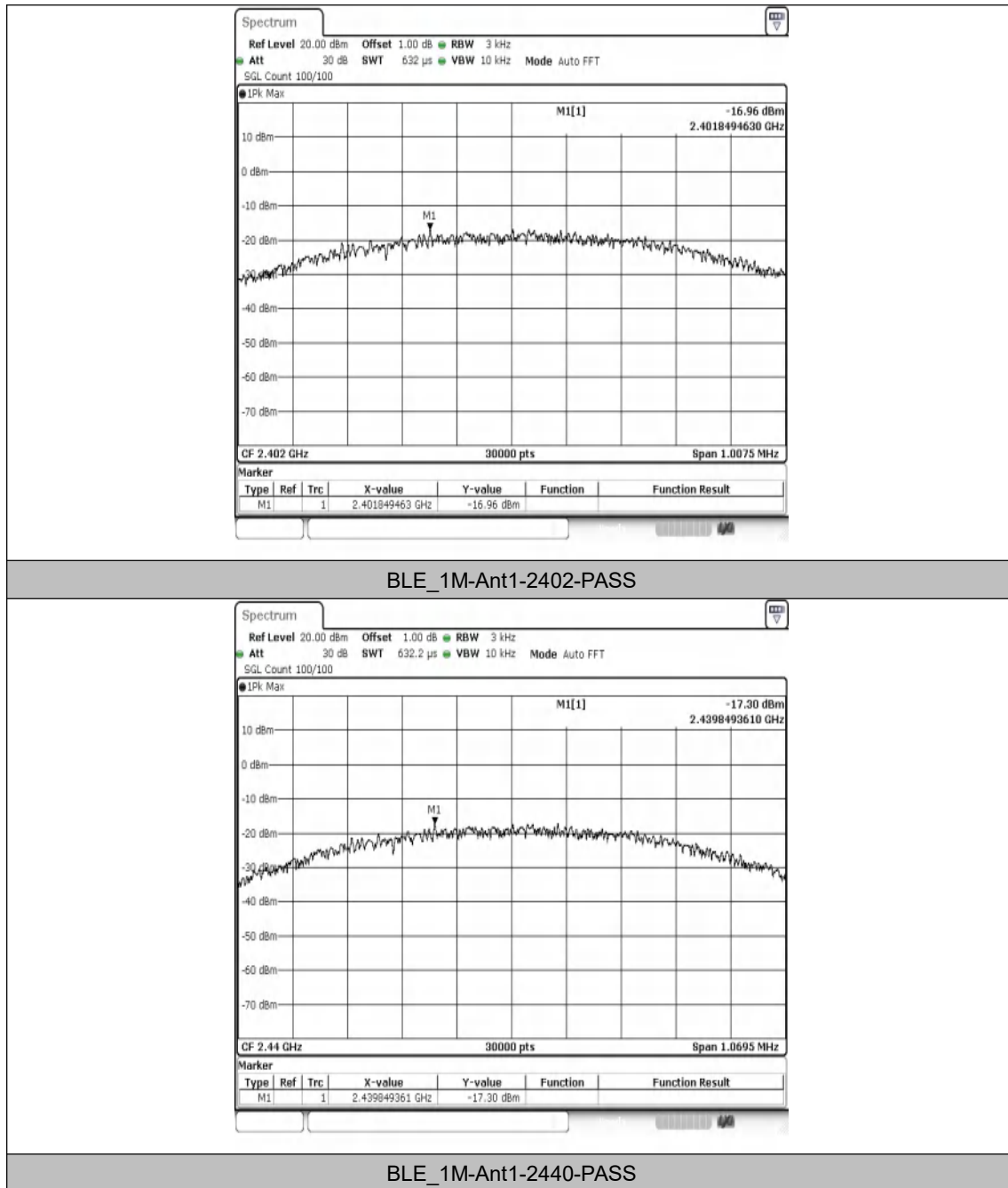
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.96	≤8.00	PASS
BLE_1M	Ant1	2440	-17.30	≤8.00	PASS
BLE_1M	Ant1	2480	-18.18	≤8.00	PASS
BLE_2M	Ant1	2402	-19.15	≤8.00	PASS
BLE_2M	Ant1	2440	-19.03	≤8.00	PASS
BLE_2M	Ant1	2480	-19.69	≤8.00	PASS



Test Graphs

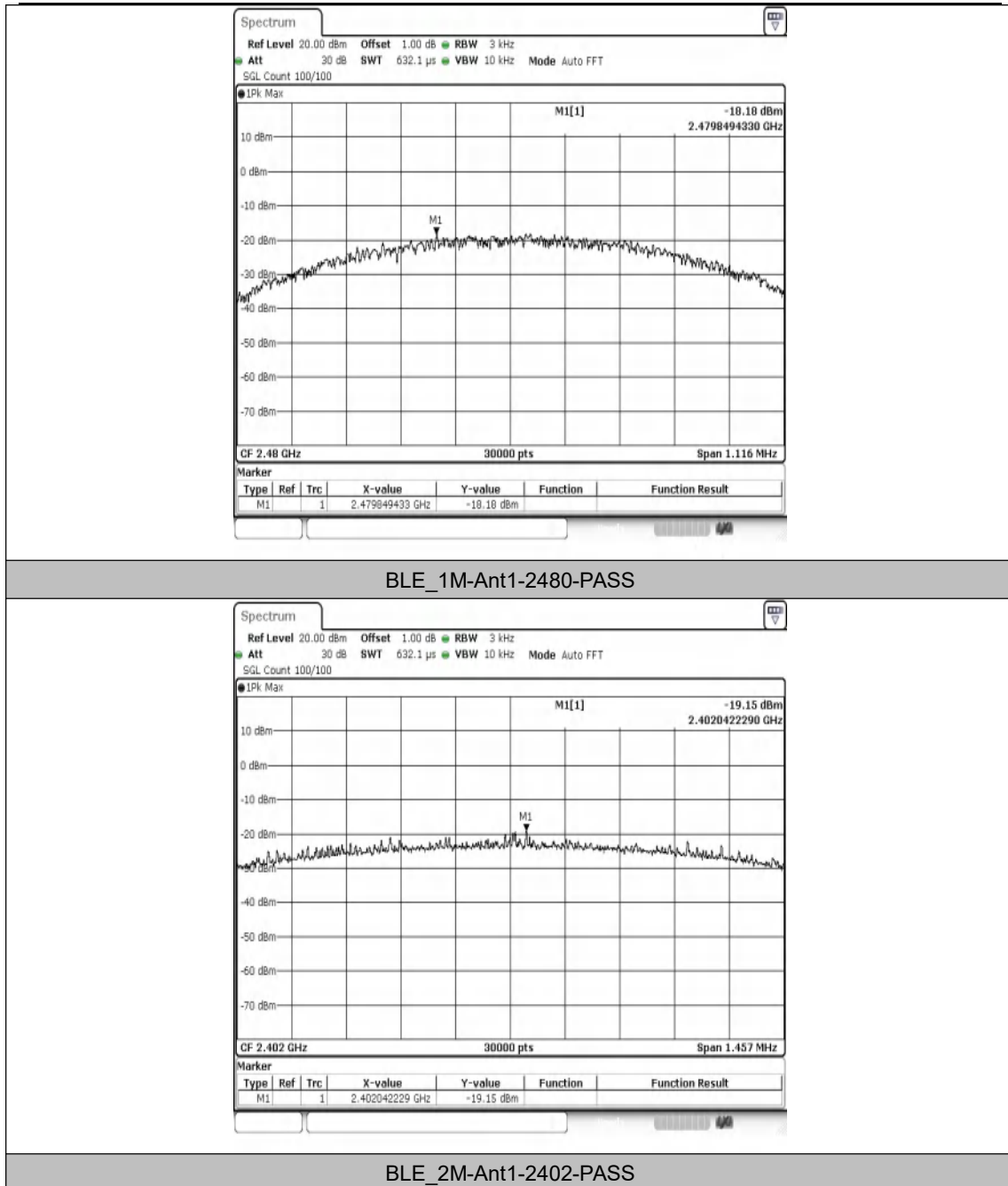


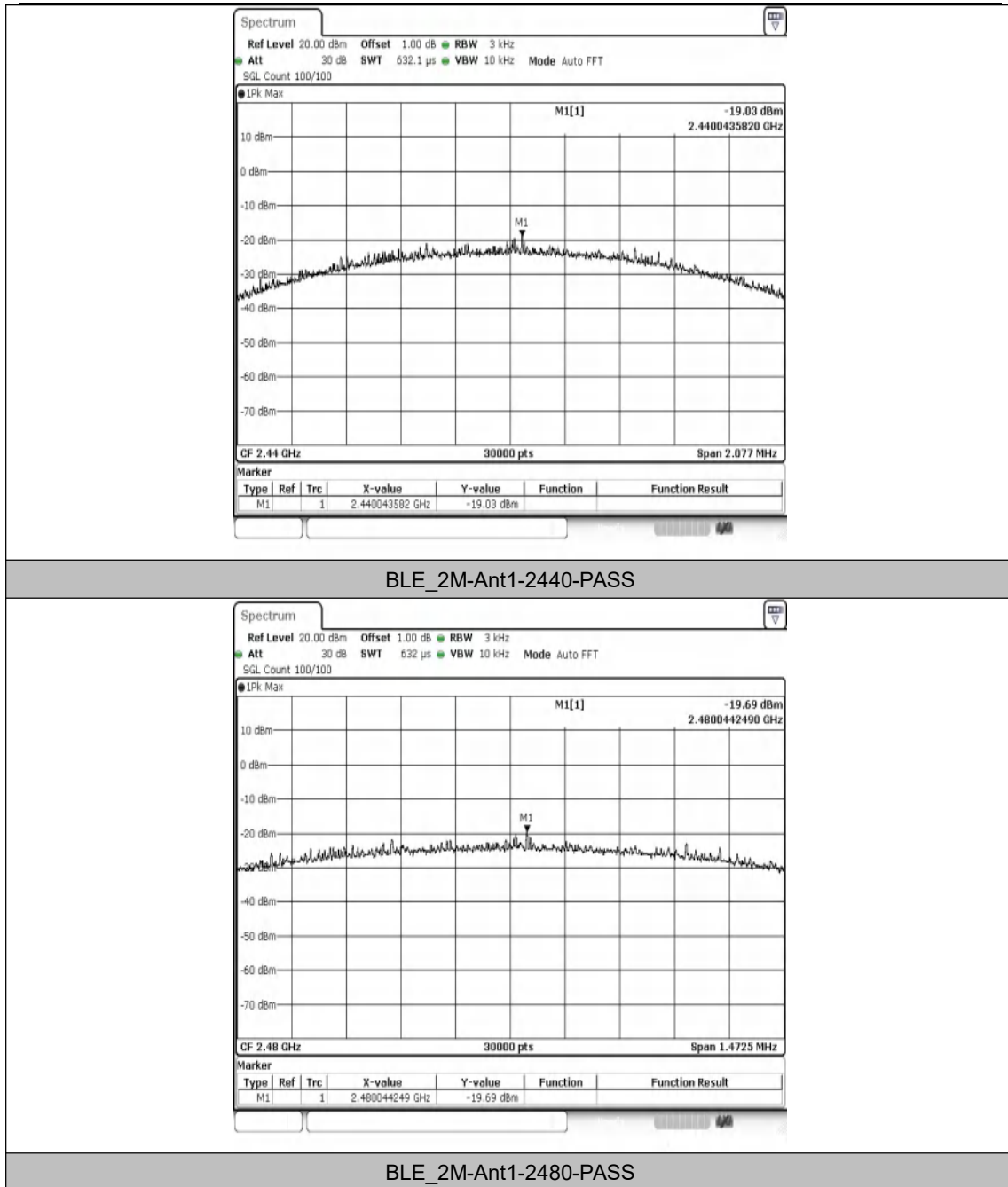
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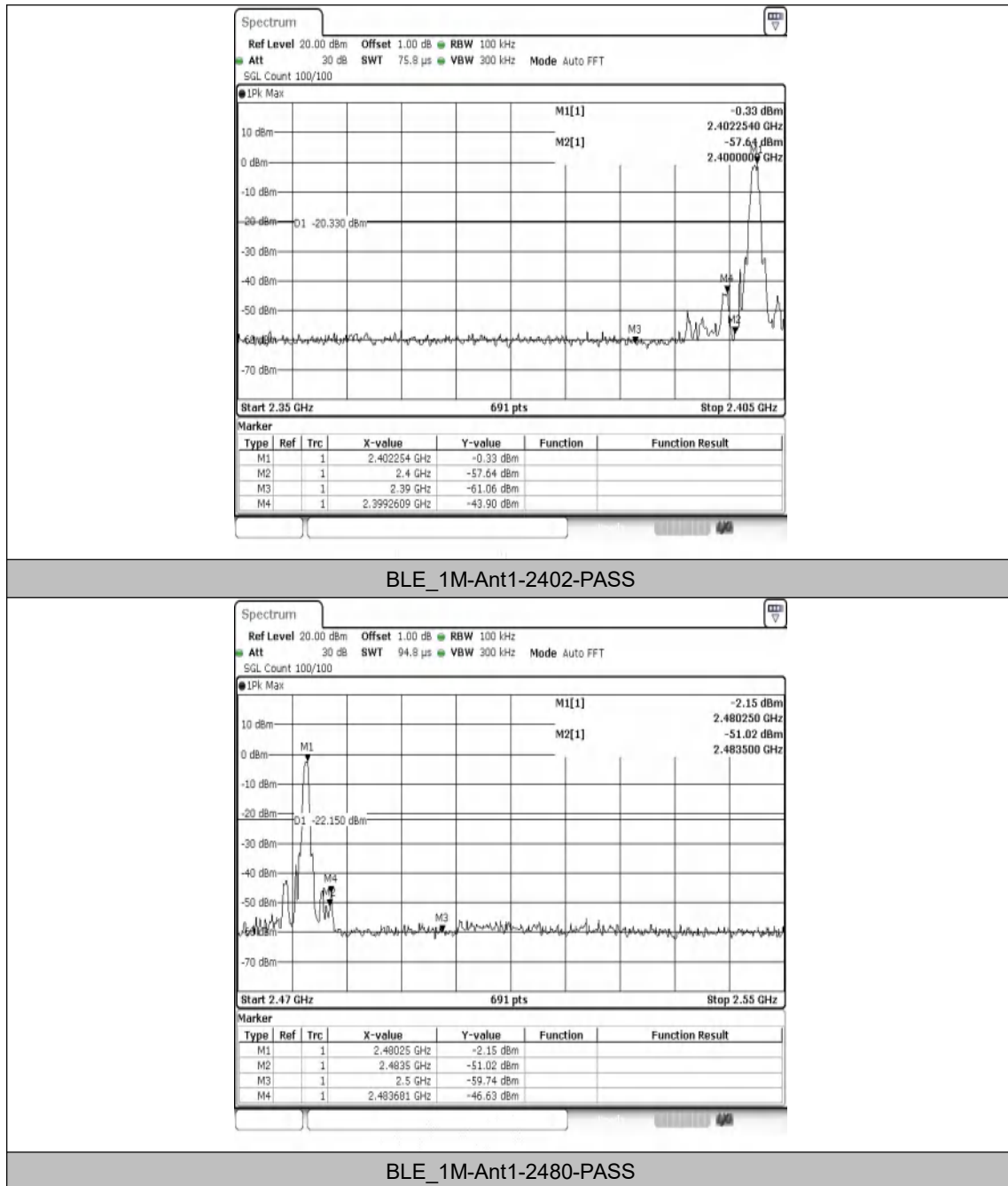
Appendix E: Band edge measurements

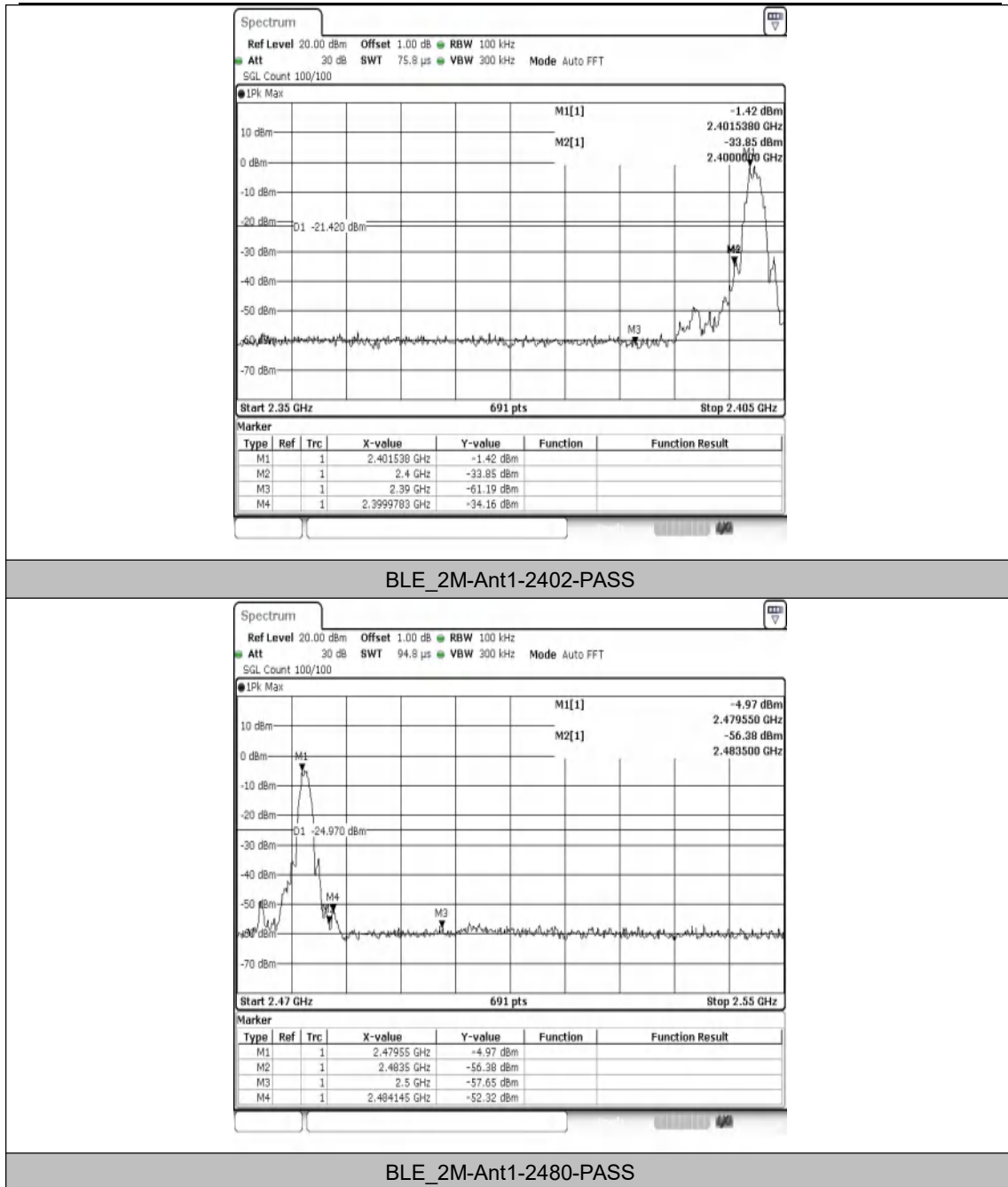
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.33	-43.9	≤ -20.33	PASS
BLE_1M	Ant1	High	2480	-2.15	-46.63	≤ -22.15	PASS
BLE_2M	Ant1	Low	2402	-1.42	-34.16	≤ -21.42	PASS
BLE_2M	Ant1	High	2480	-4.97	-52.32	≤ -24.97	PASS



Test Graphs





Appendix F: Conducted Spurious Emission

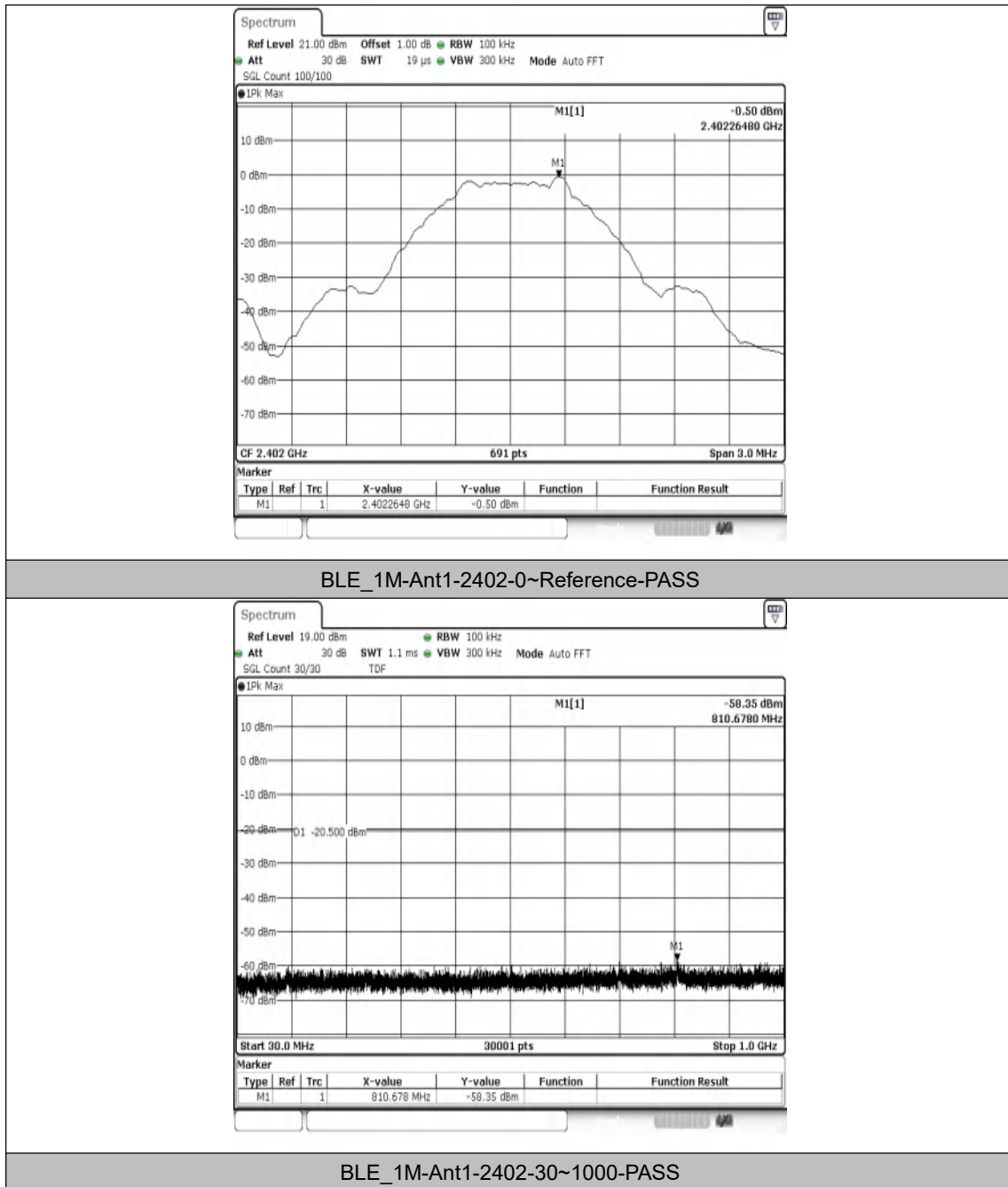
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-0.50	-0.50	---	PASS
BLE_1M	Ant1	2402	30~1000	-0.50	-58.35	≤-20.5	PASS
BLE_1M	Ant1	2402	1000~26500	-0.50	-44.22	≤-20.5	PASS
BLE_1M	Ant1	2440	0~Reference	-0.67	-0.67	---	PASS
BLE_1M	Ant1	2440	30~1000	-0.67	-58.36	≤-20.67	PASS
BLE_1M	Ant1	2440	1000~26500	-0.67	-44.13	≤-20.67	PASS
BLE_1M	Ant1	2480	0~Reference	-1.42	-1.42	---	PASS
BLE_1M	Ant1	2480	30~1000	-1.42	-58.09	≤-21.42	PASS
BLE_1M	Ant1	2480	1000~26500	-1.42	-43.7	≤-21.42	PASS
BLE_2M	Ant1	2402	0~Reference	-4.15	-4.15	---	PASS
BLE_2M	Ant1	2402	30~1000	-4.15	-57.87	≤-24.15	PASS
BLE_2M	Ant1	2402	1000~26500	-4.15	-44.49	≤-24.15	PASS
BLE_2M	Ant1	2440	0~Reference	-4.13	-4.13	---	PASS
BLE_2M	Ant1	2440	30~1000	-4.13	-58.29	≤-24.13	PASS
BLE_2M	Ant1	2440	1000~26500	-4.13	-43.6	≤-24.13	PASS
BLE_2M	Ant1	2480	0~Reference	-3.84	-3.84	---	PASS
BLE_2M	Ant1	2480	30~1000	-3.84	-58.43	≤-23.84	PASS
BLE_2M	Ant1	2480	1000~26500	-3.84	-42.97	≤-23.84	PASS

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



Test Graphs



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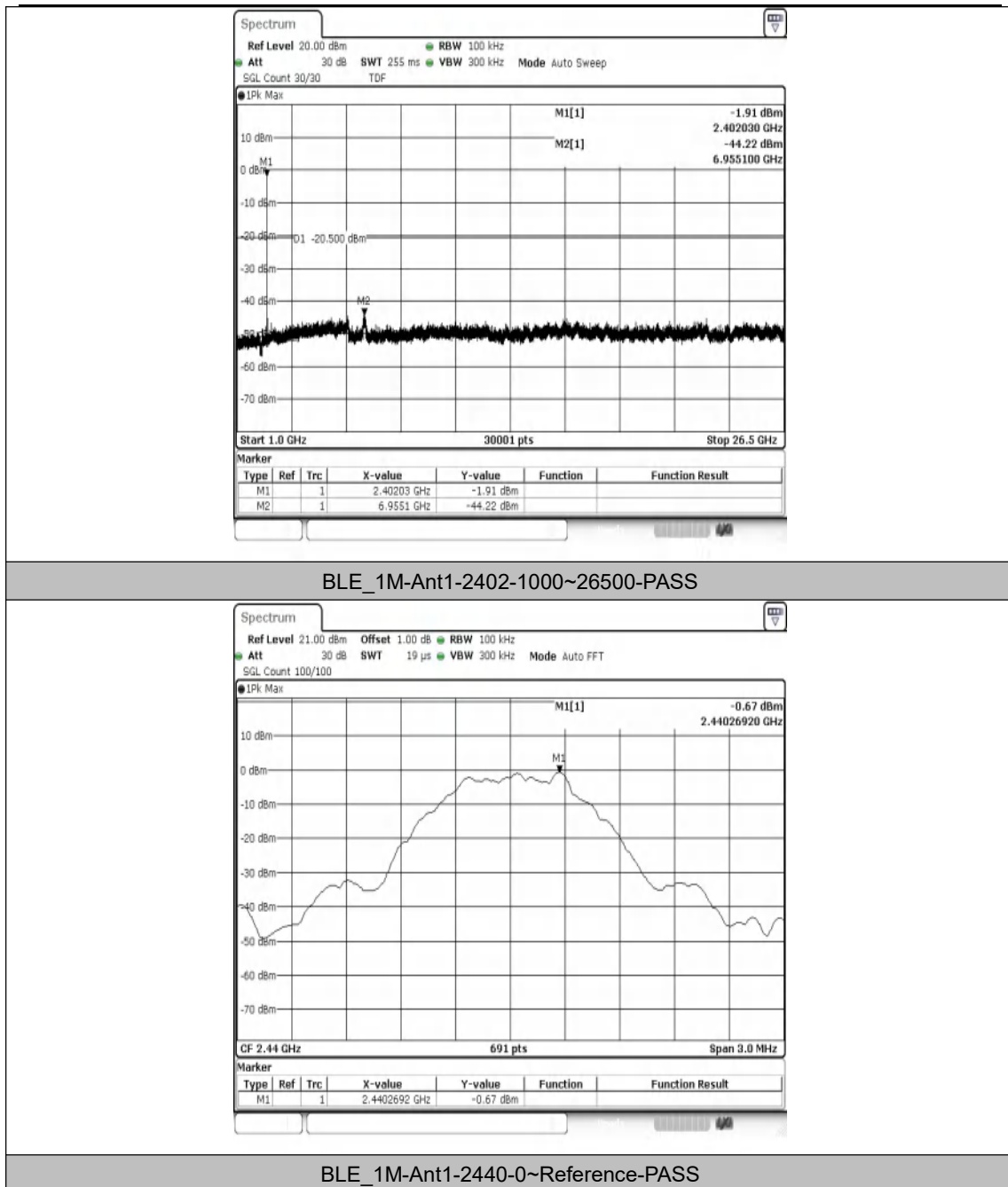
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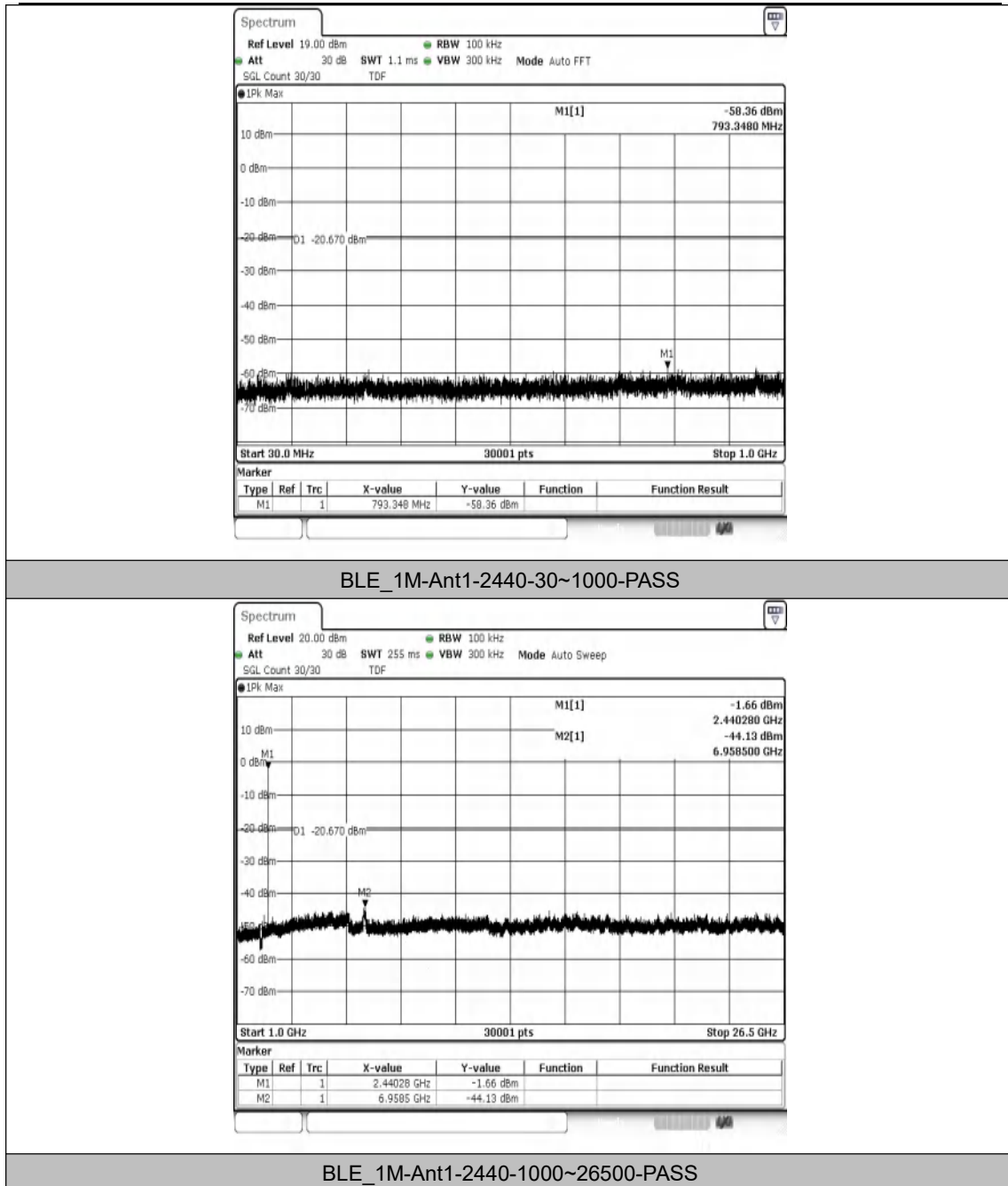


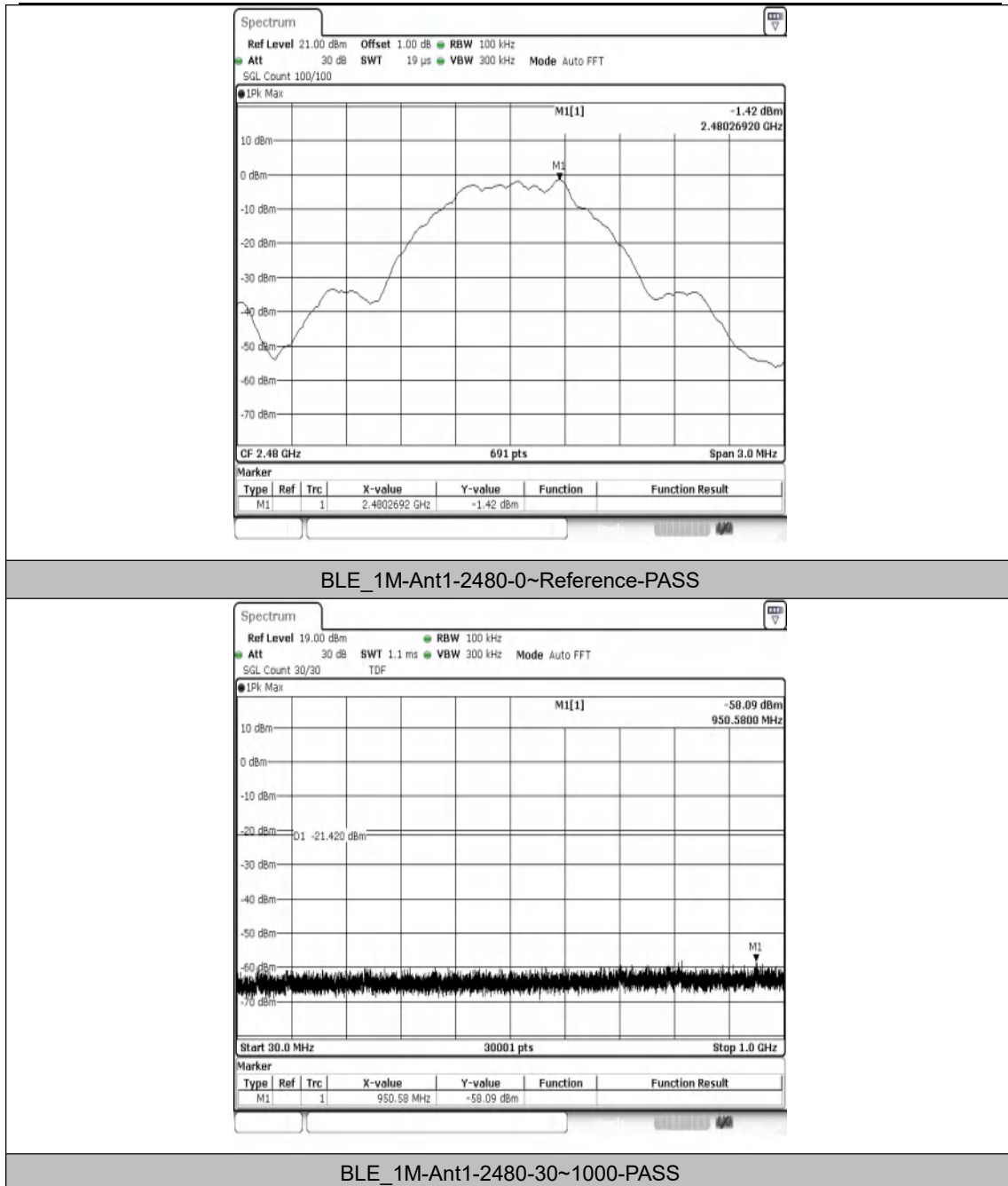
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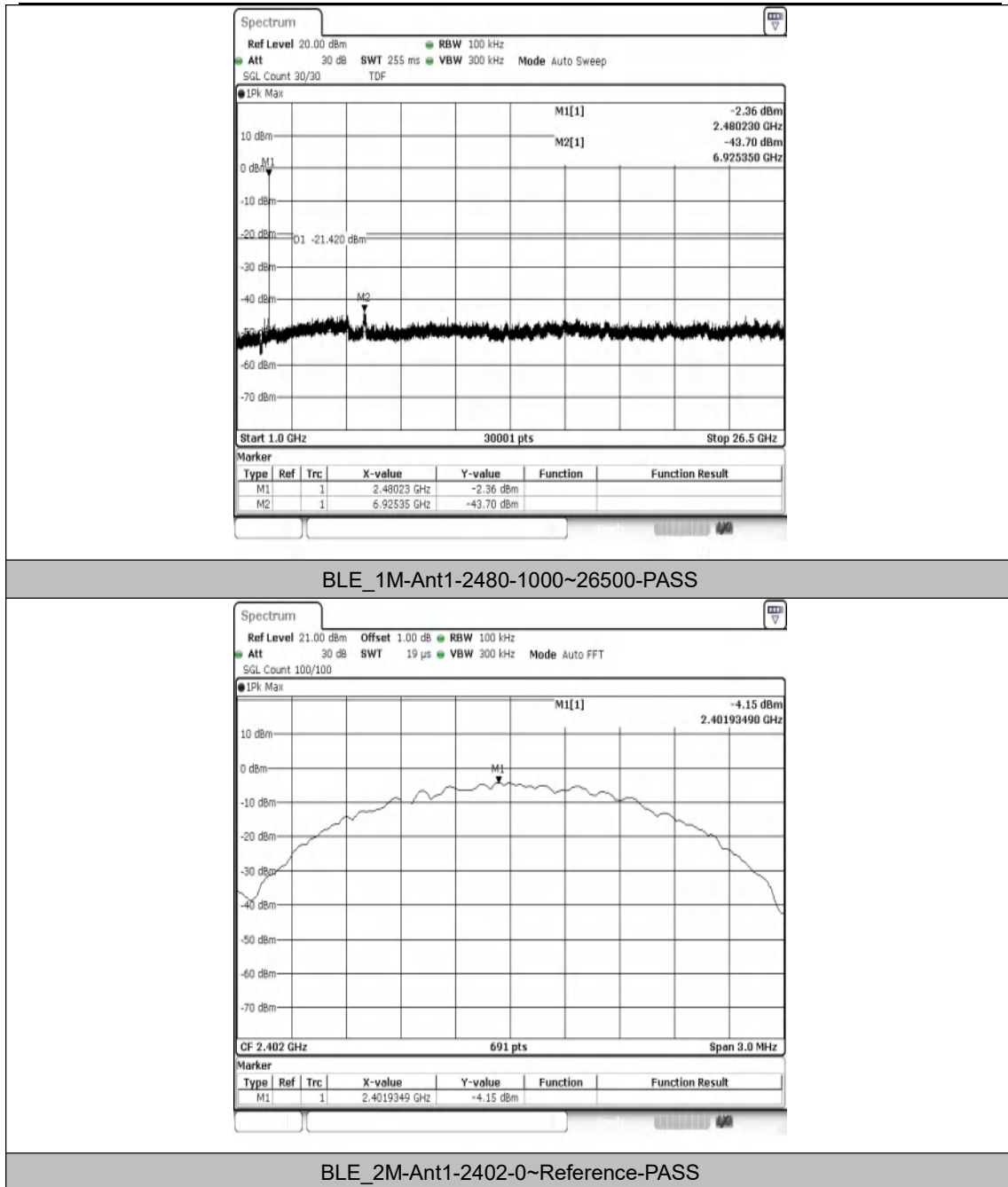
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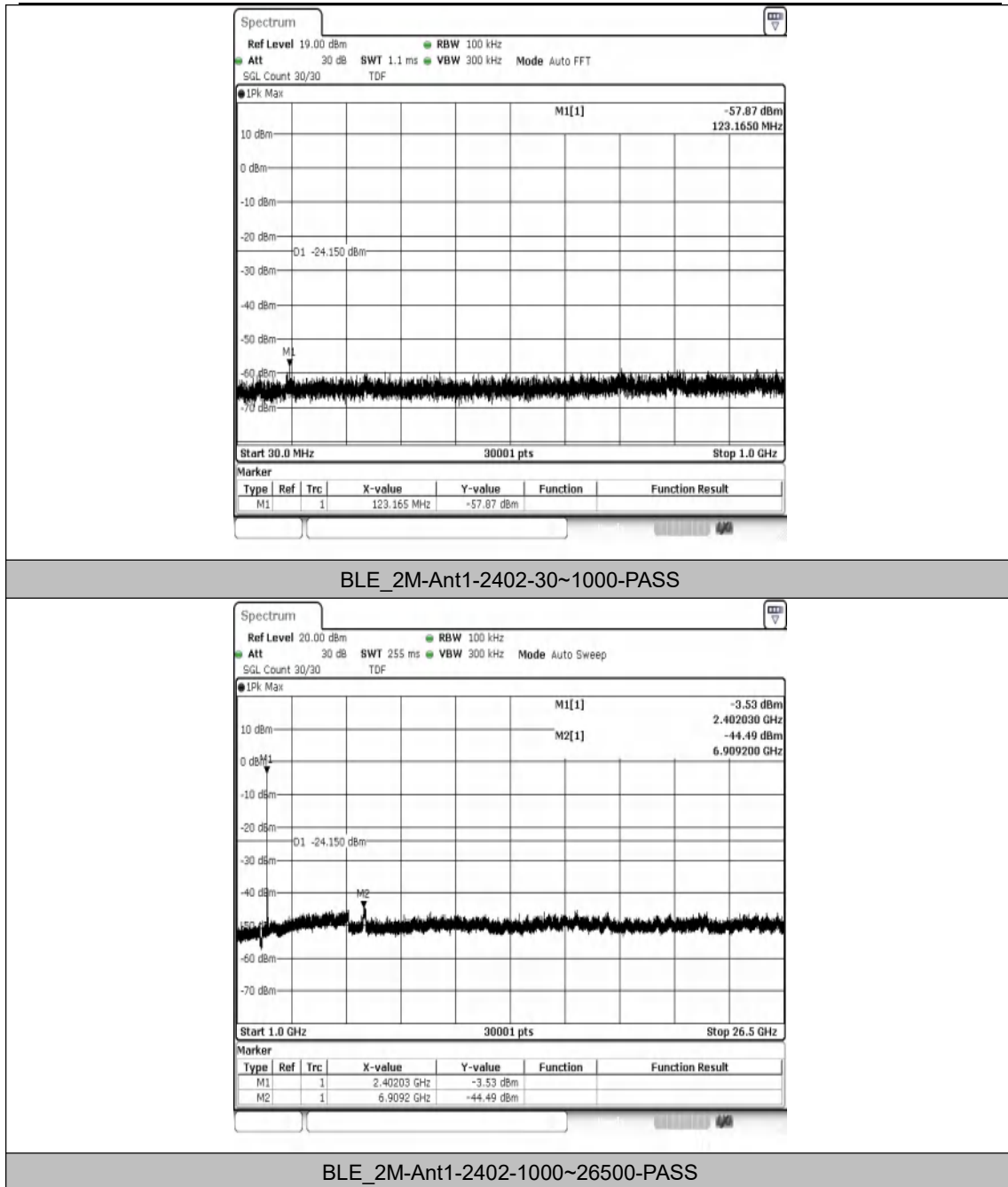


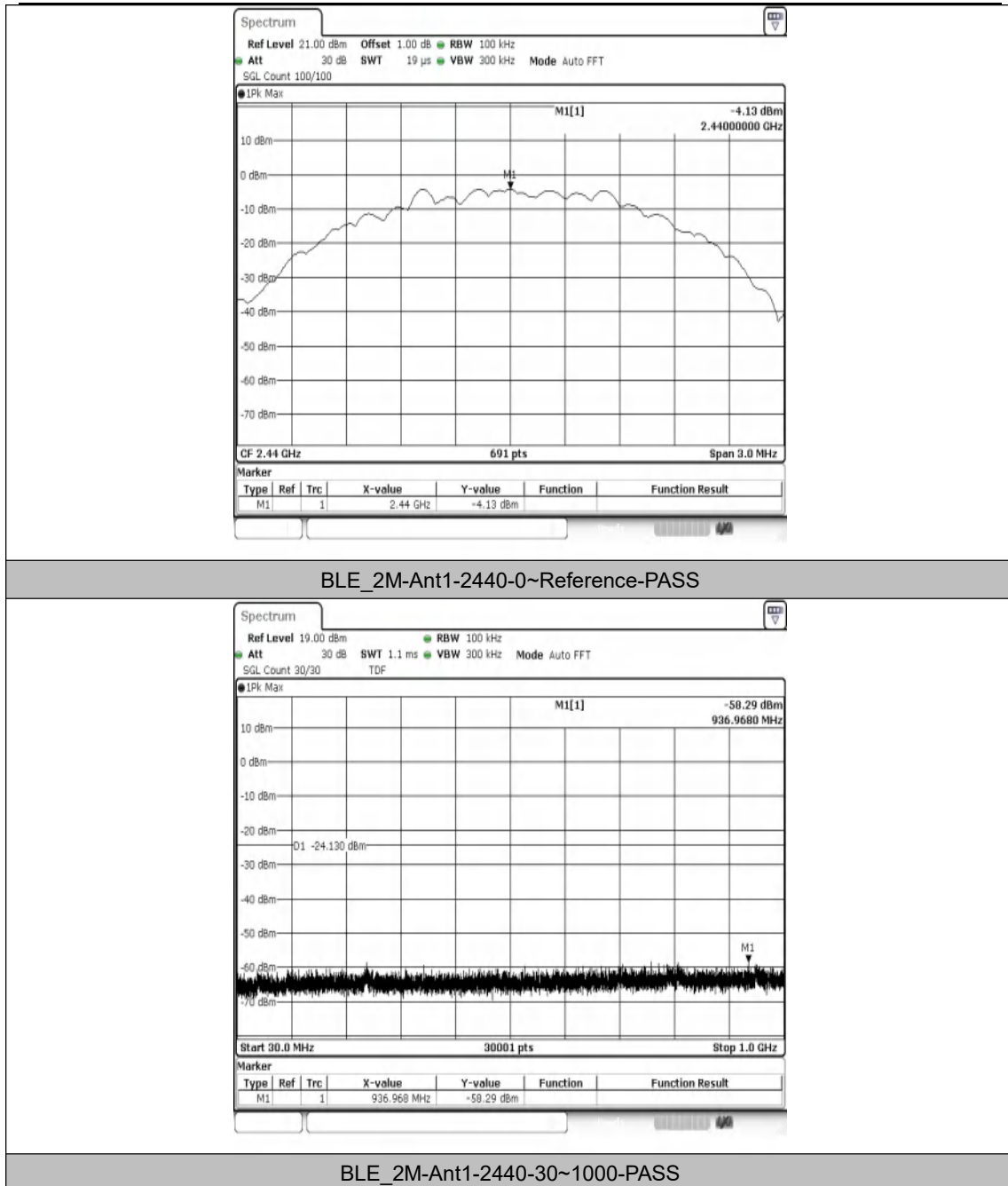
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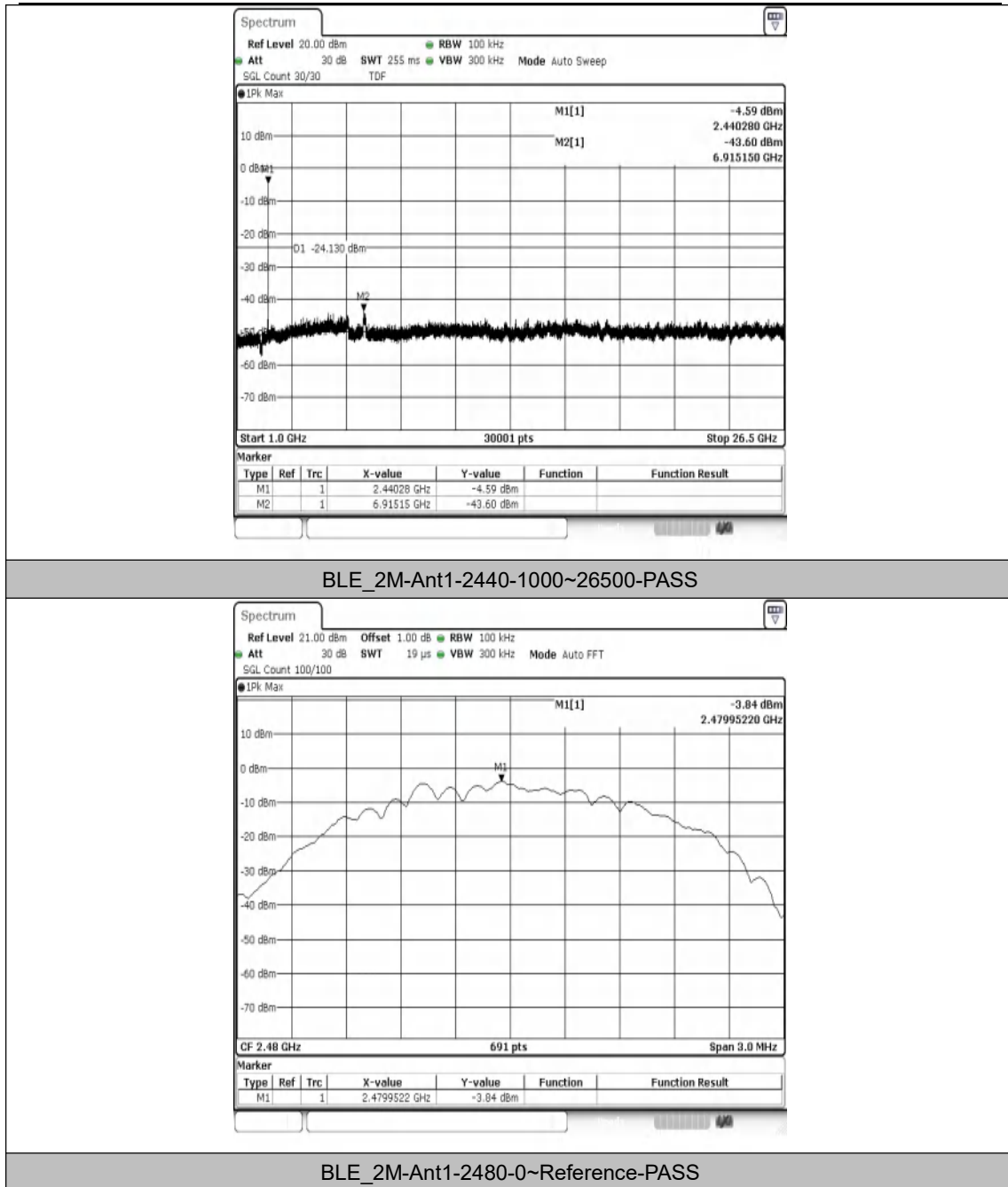
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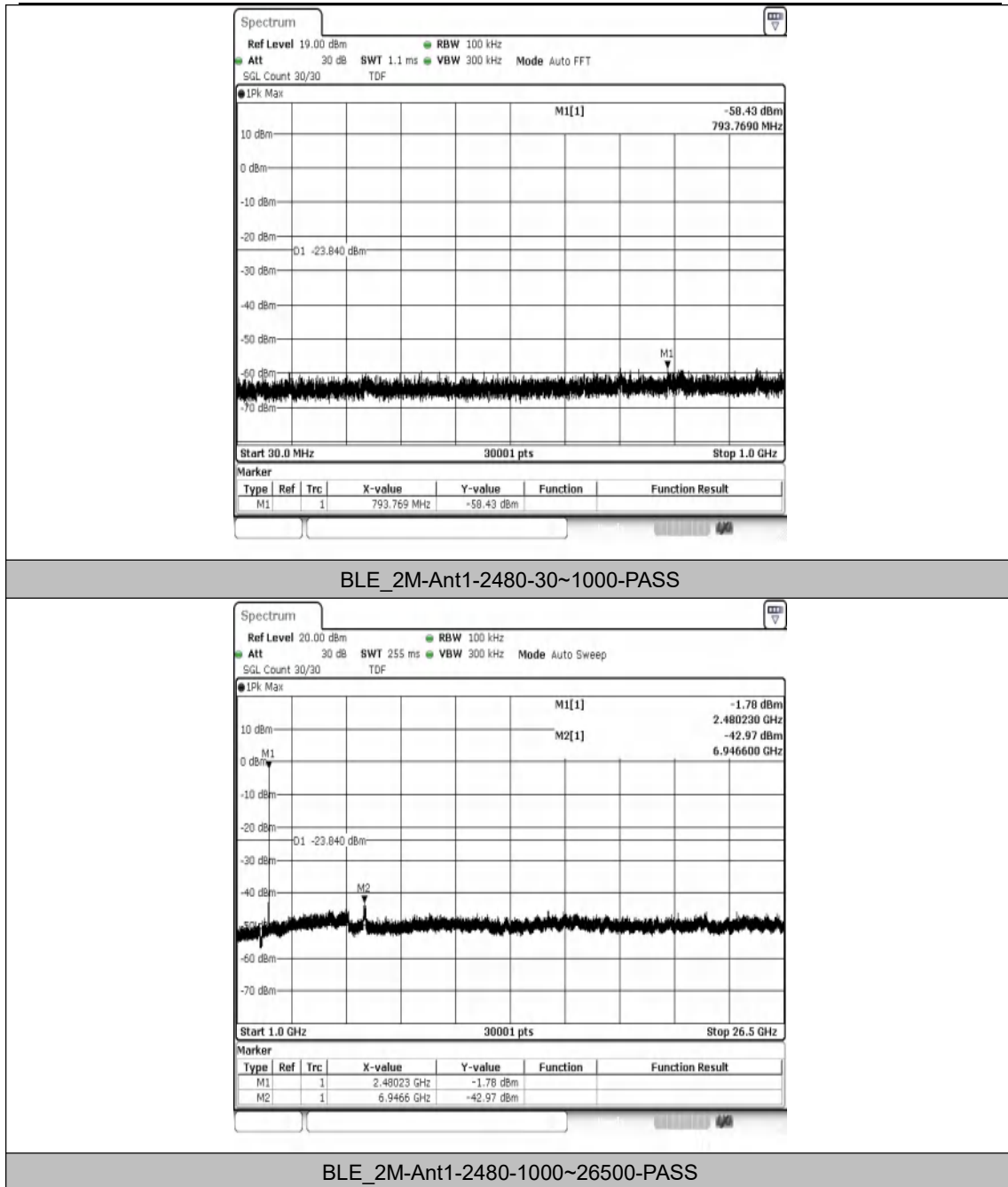


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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	19.00	19.00	100.00	0.00
BLE_1M	Ant1	2440	19.00	19.00	100.00	0.00
BLE_1M	Ant1	2480	19.00	19.00	100.00	0.00
BLE_2M	Ant1	2402	19.00	19.00	100.00	0.00
BLE_2M	Ant1	2440	19.00	19.00	100.00	0.00
BLE_2M	Ant1	2480	19.00	19.00	100.00	0.00

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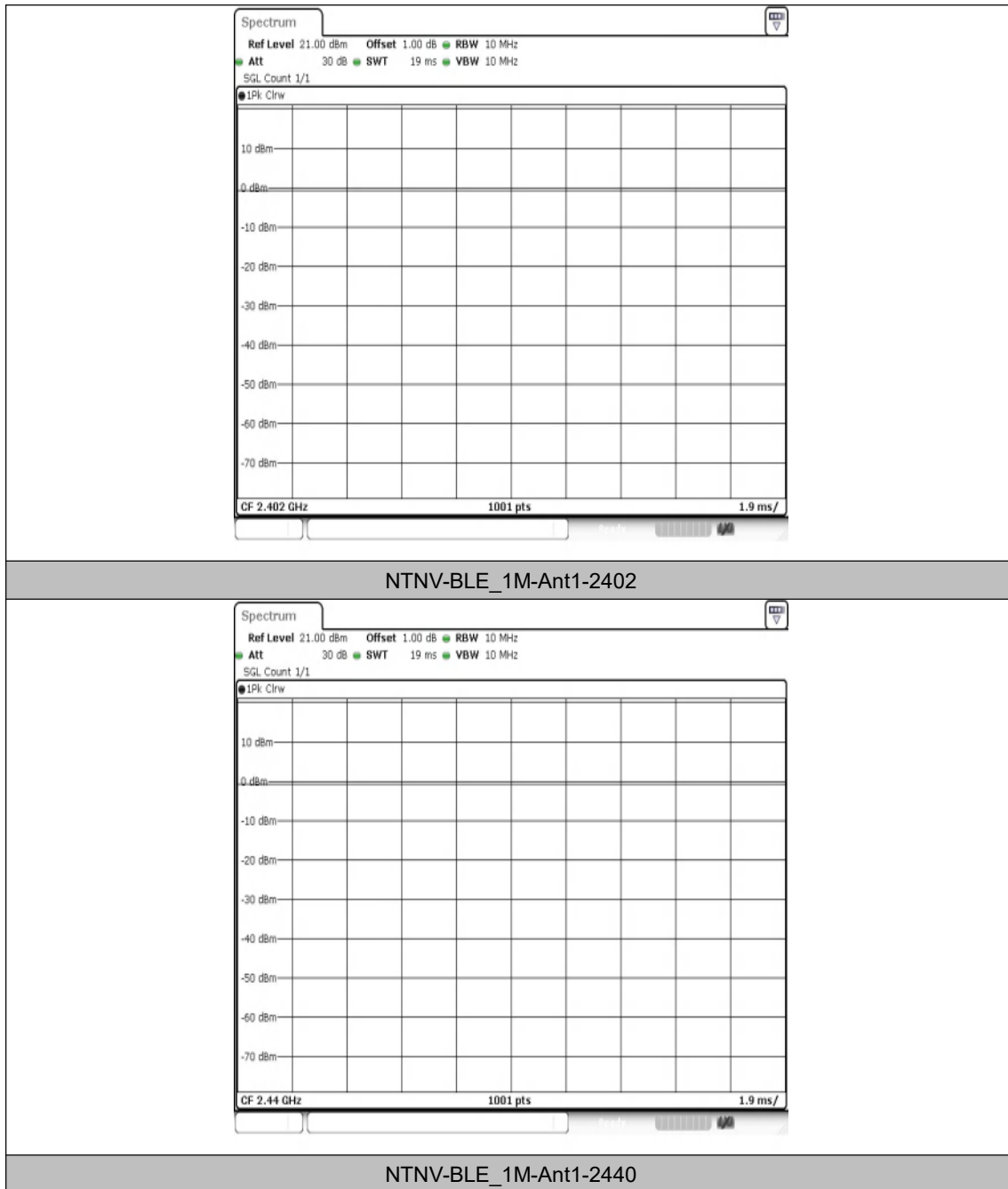


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Test Graphs

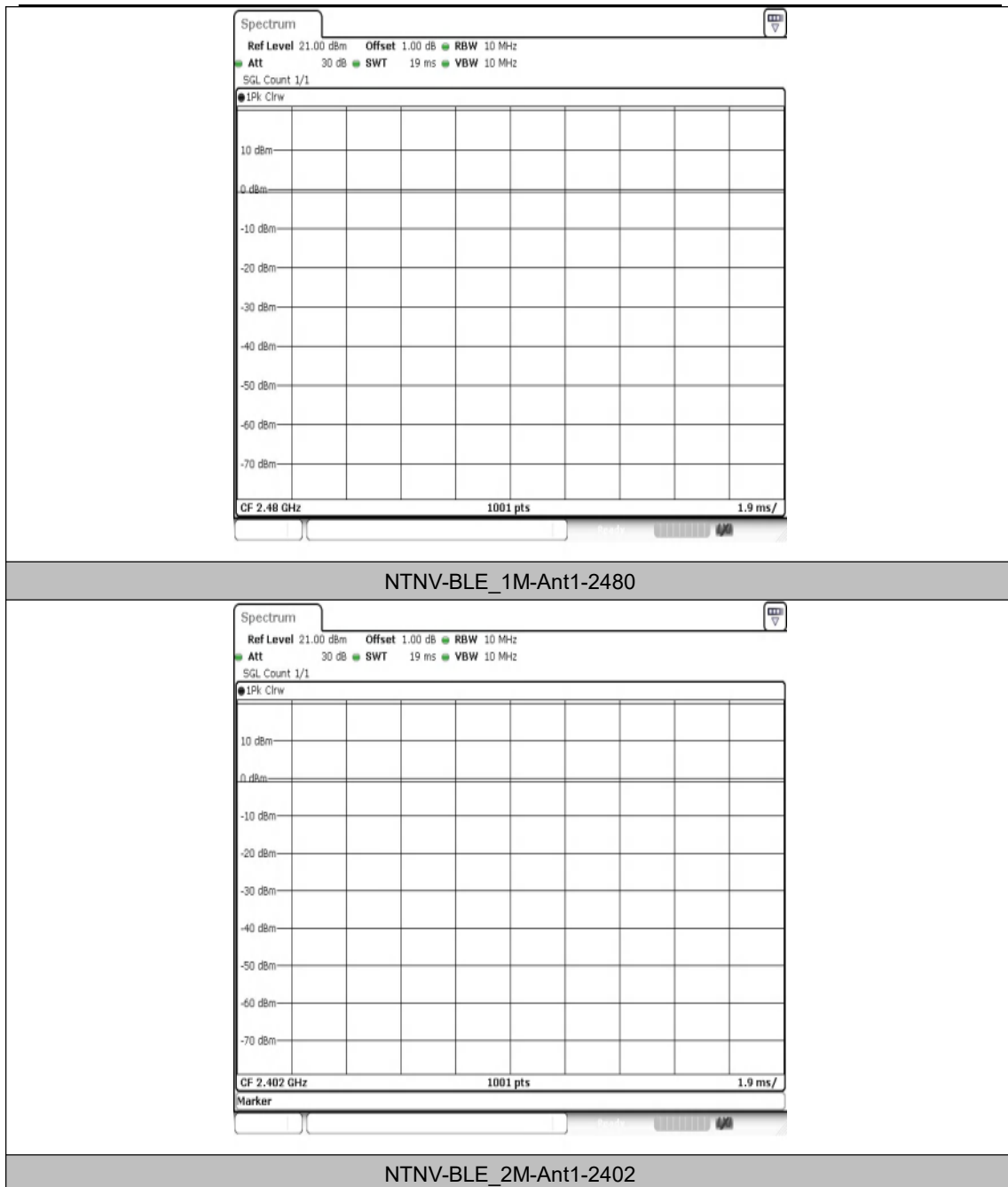


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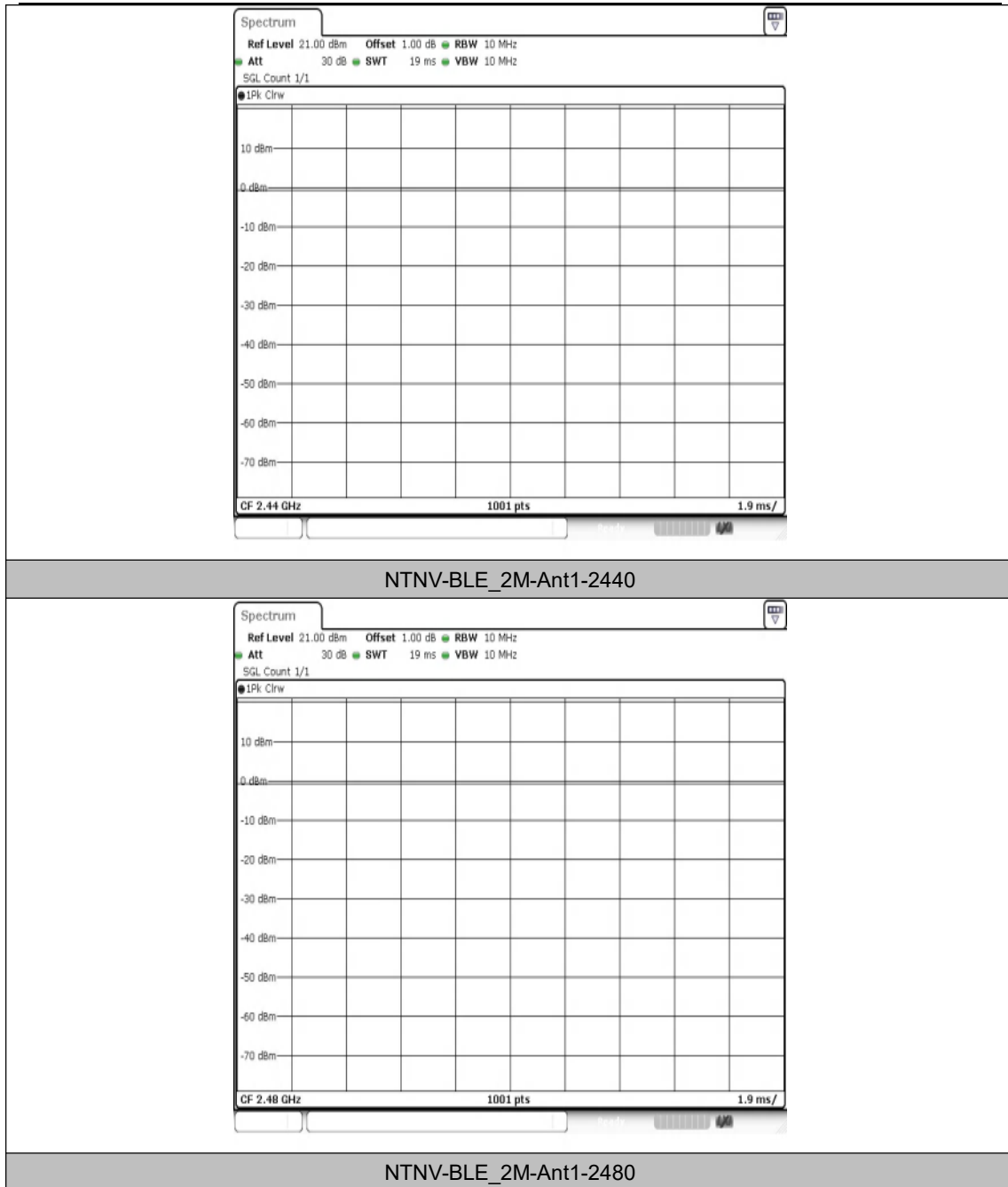


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