

Appendix Test Data

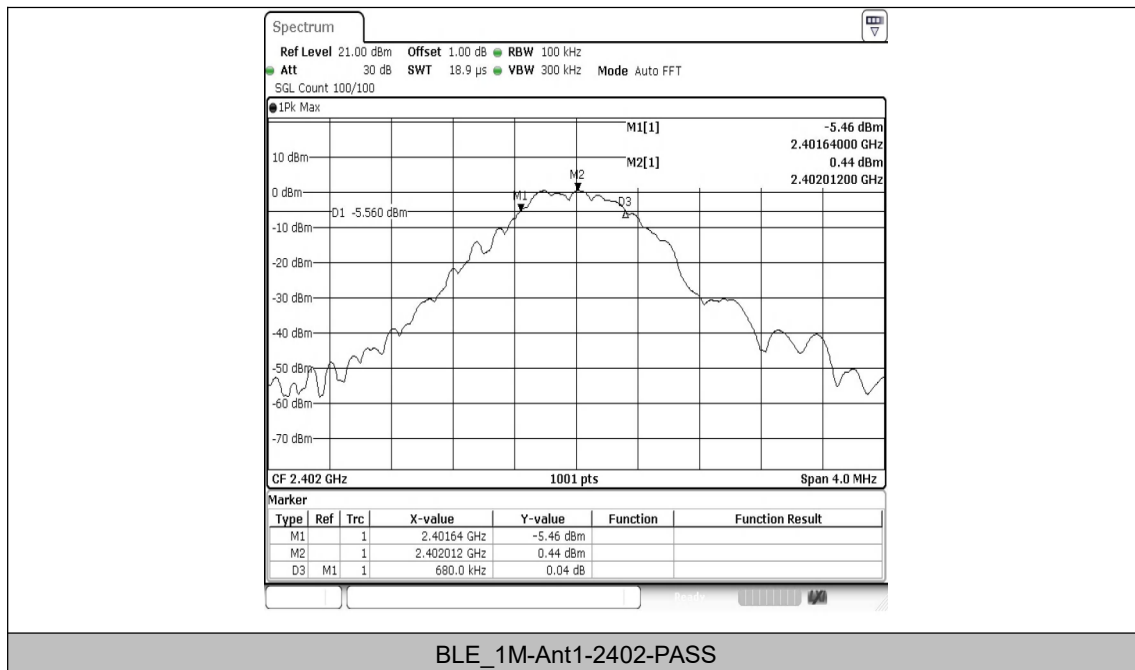
Report No.:	1812C50297912502	Test Sample No.:	1-2-2
Start Test Date:	2025-6-19	Finish Test Date:	2025-6-25
Test Engineer:	Hansen Guan	Auditor:	Justin Feng
Temperature:	26.1°C	Relative Humidity:	53%
Pressure:	101kPa		

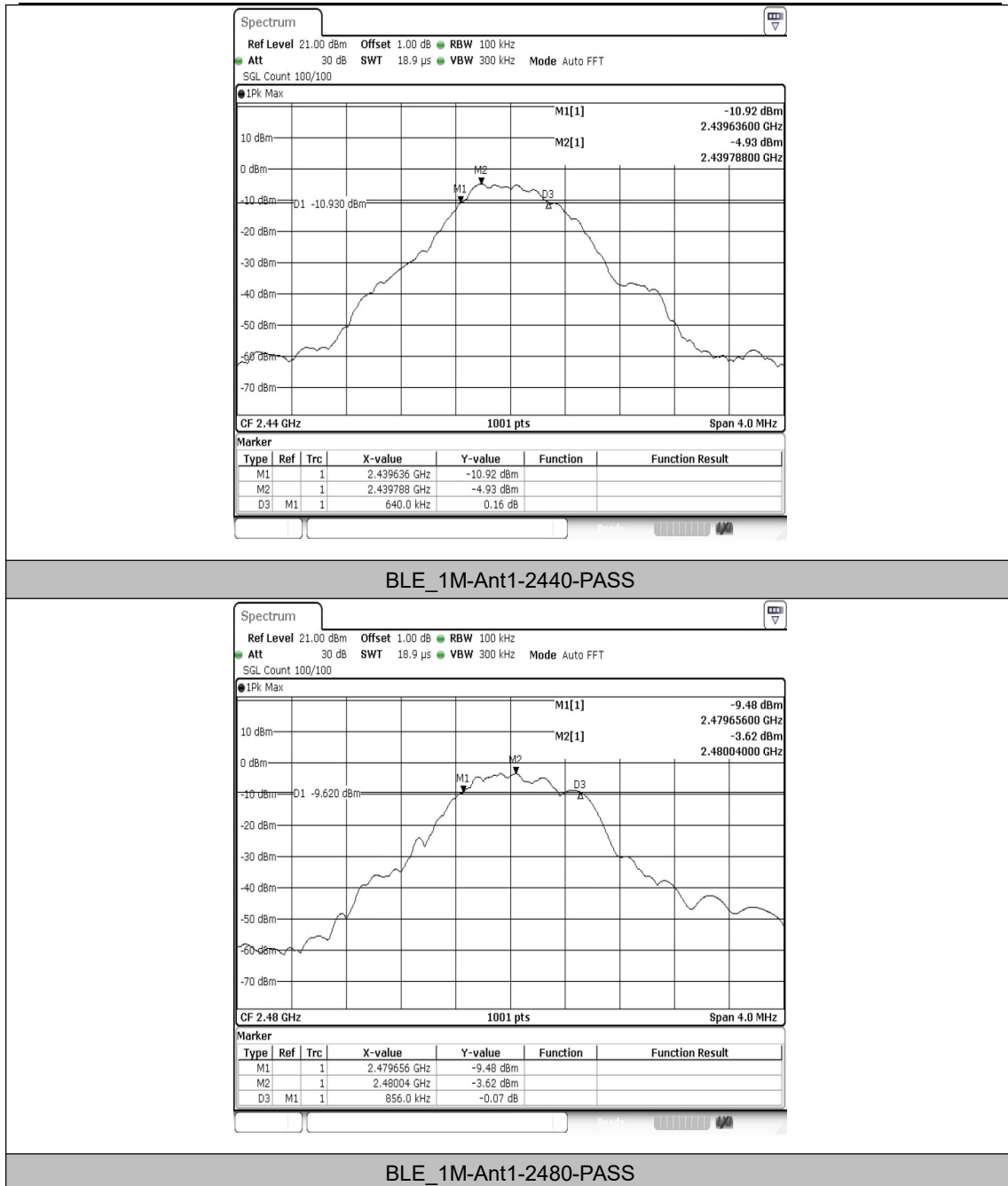
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.68	2401.64	2402.32	0.5	PASS
BLE_1M	Ant1	2440	0.64	2439.64	2440.28	0.5	PASS
BLE_1M	Ant1	2480	0.86	2479.66	2480.51	0.5	PASS

Test Graphs





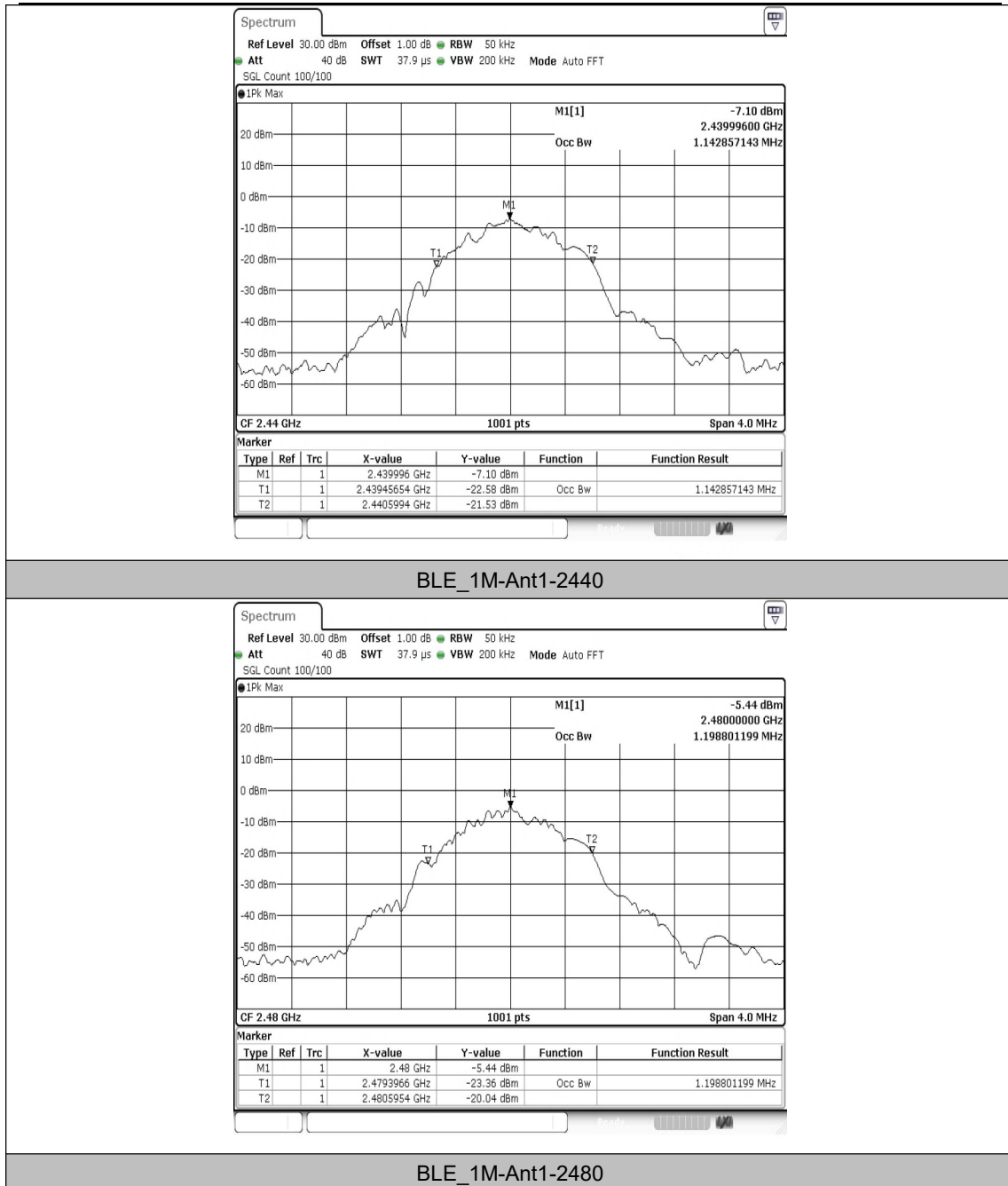
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.2787	2401.3287	2402.6074	---	---
BLE_1M	Ant1	2440	1.1429	2439.4565	2440.5994	---	---
BLE_1M	Ant1	2480	1.1988	2479.3966	2480.5954	---	---

Test Graphs



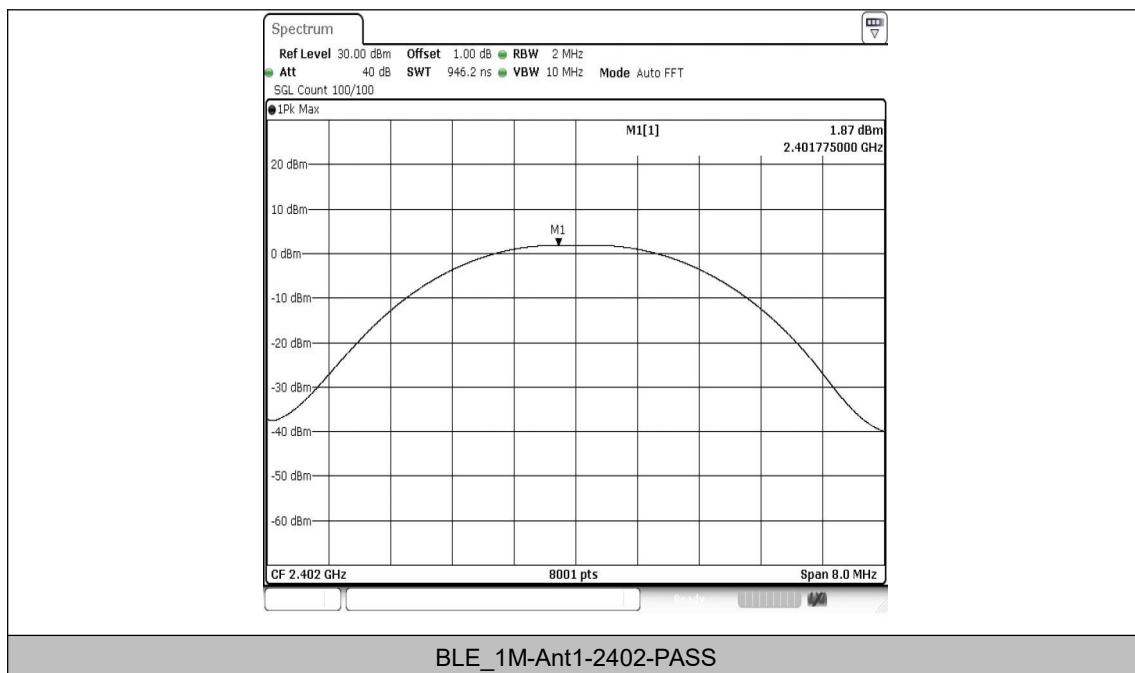


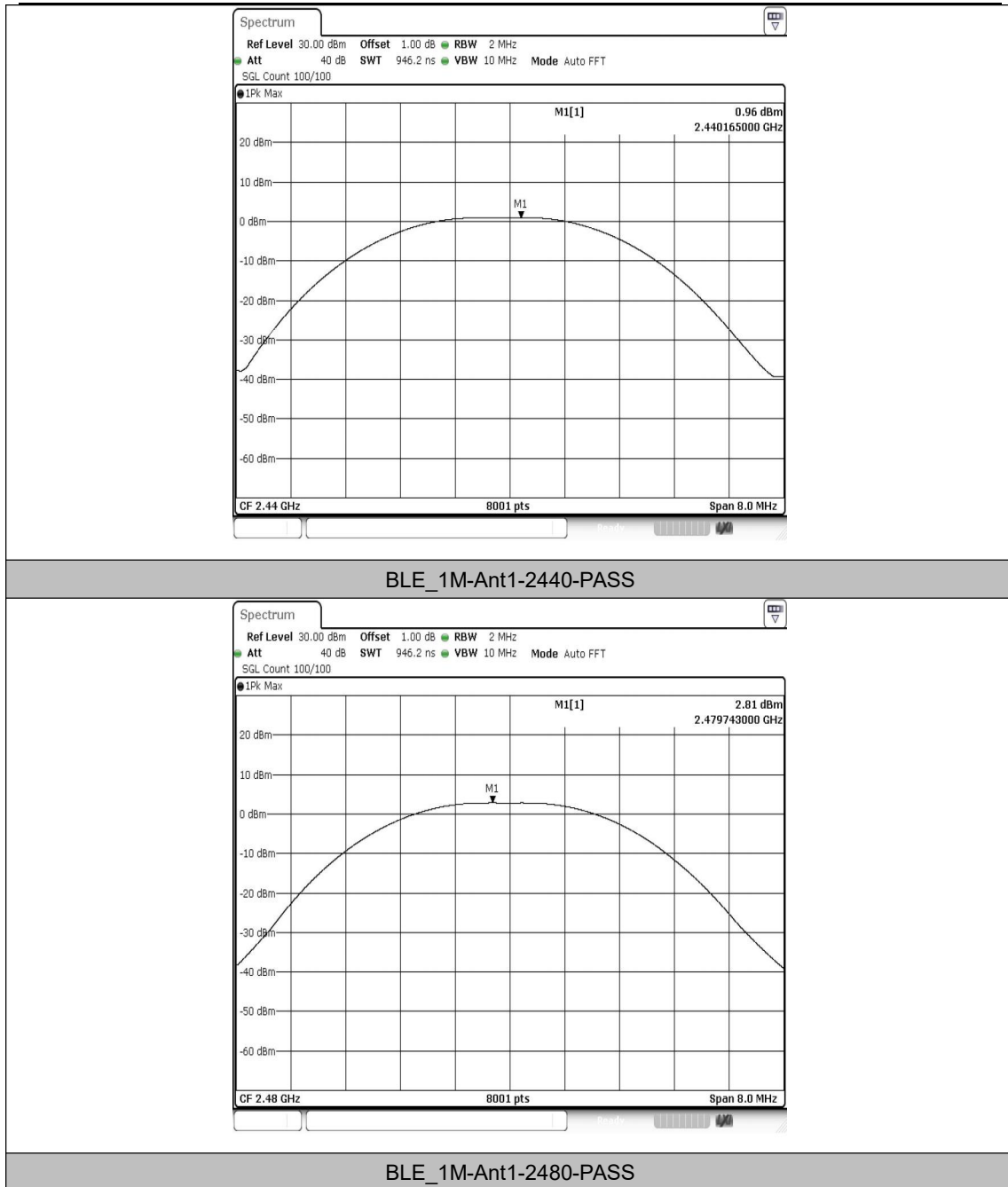
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.87	≤30	PASS
BLE_1M	Ant1	2440	0.96	≤30	PASS
BLE_1M	Ant1	2480	2.81	≤30	PASS

Test Graphs Peak





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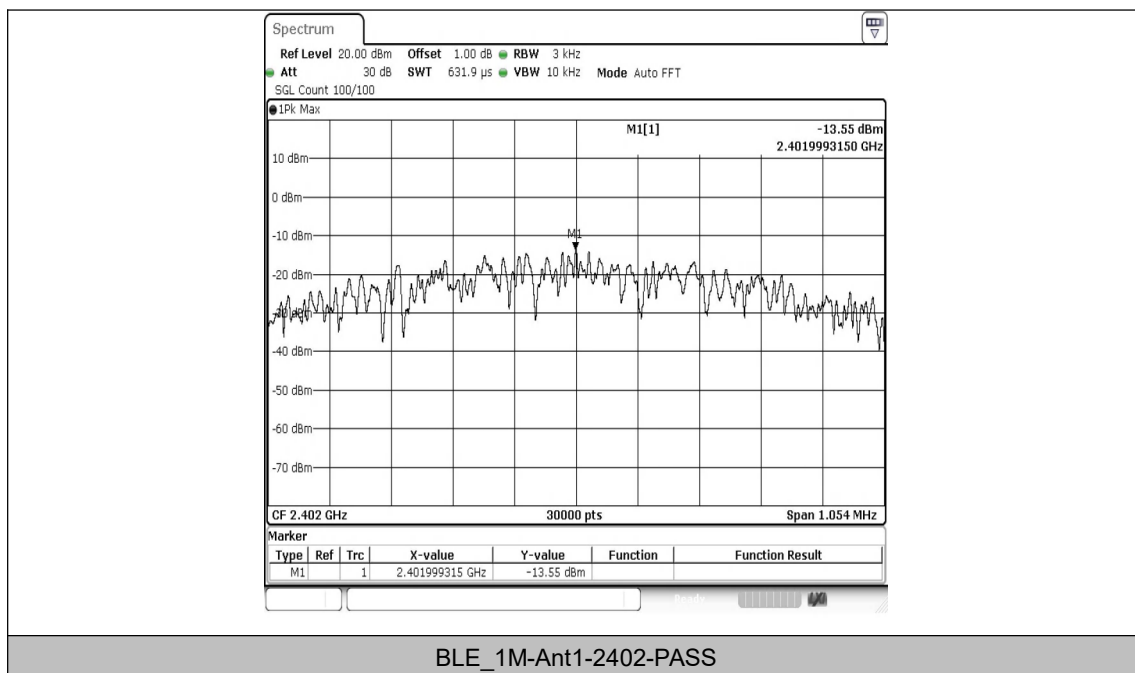
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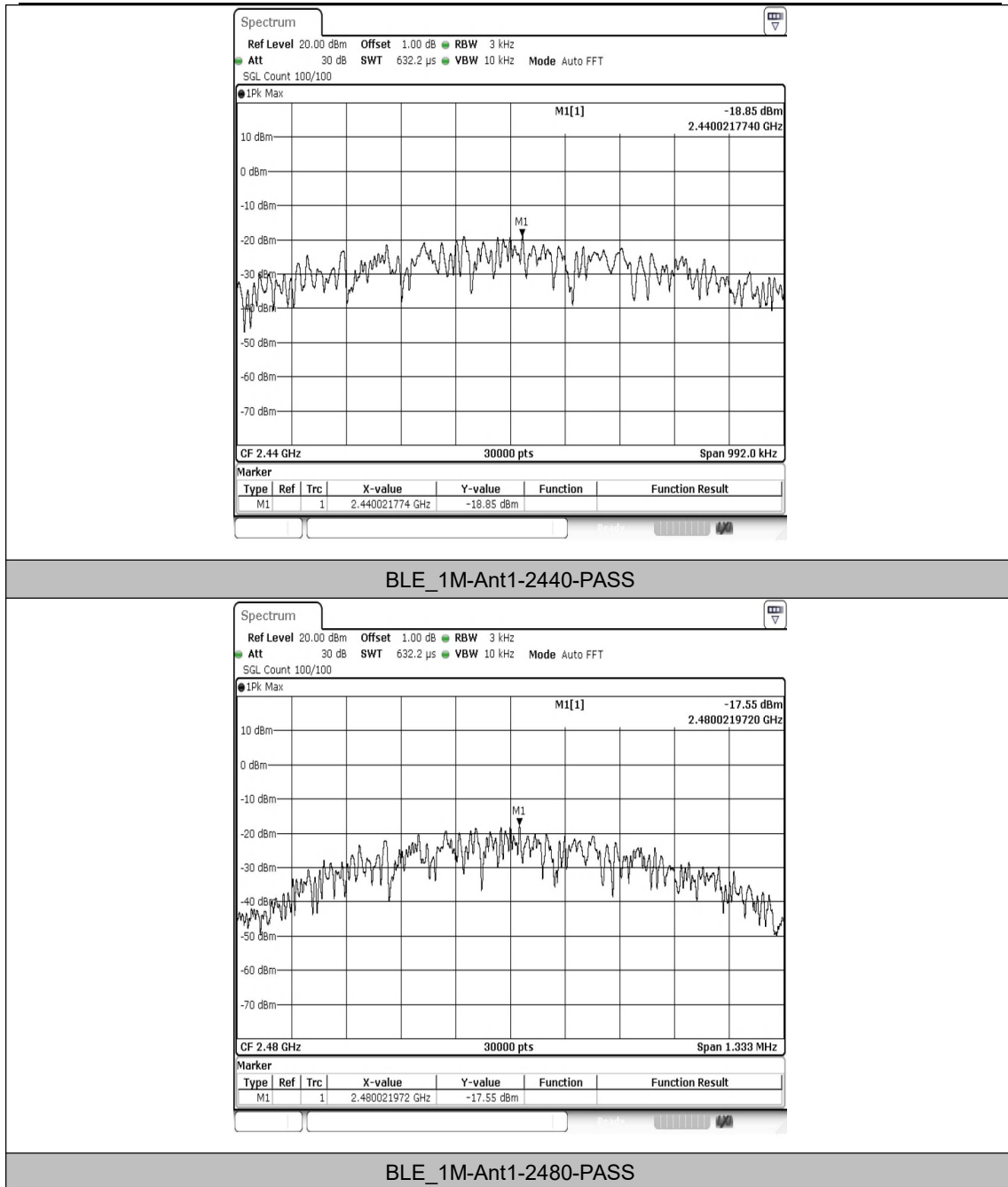
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.55	≤8.00	PASS
BLE_1M	Ant1	2440	-18.85	≤8.00	PASS
BLE_1M	Ant1	2480	-17.55	≤8.00	PASS

Test Graphs





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Appendix E: Band edge measurements

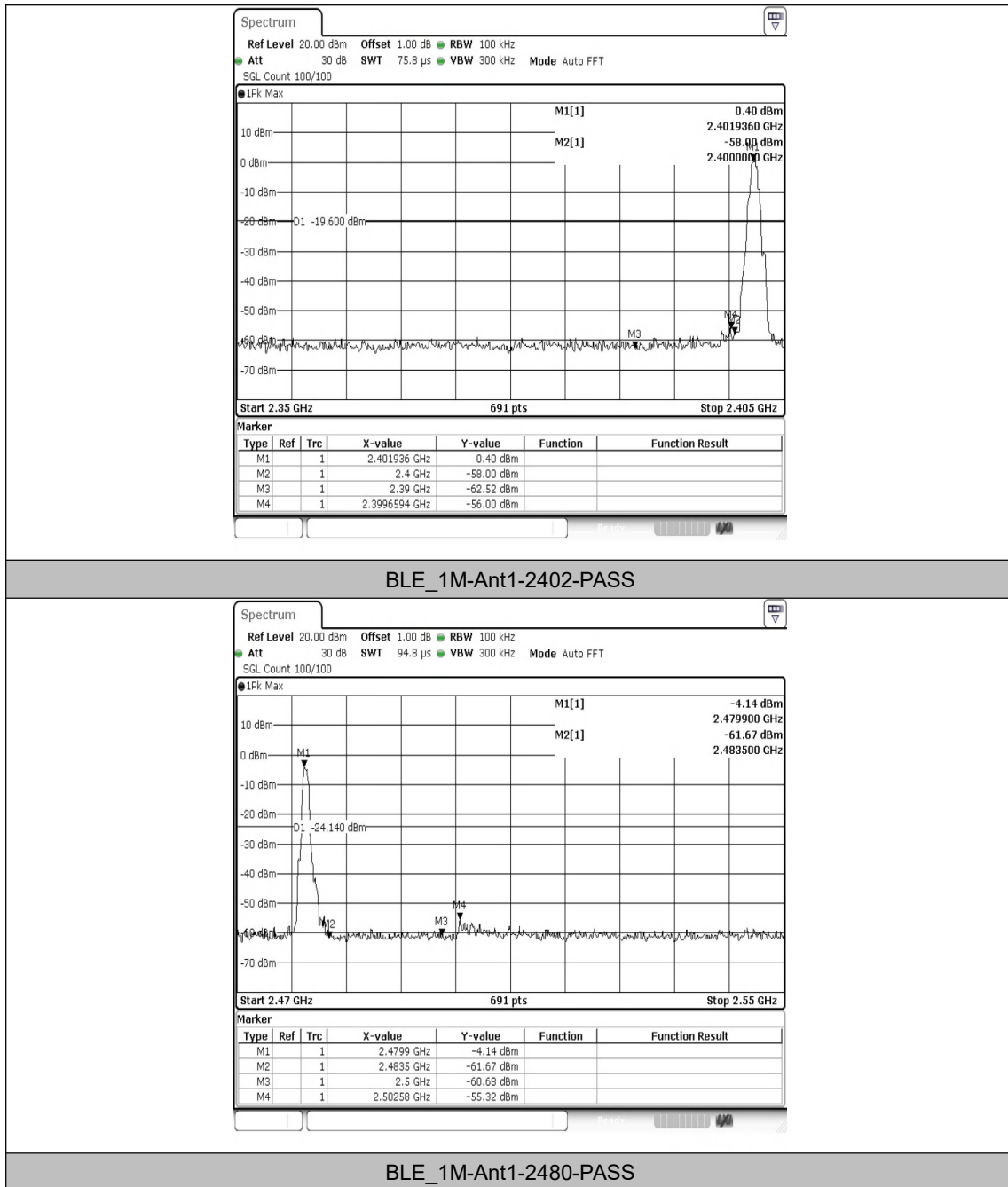
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.40	-56	≤-19.6	PASS
BLE_1M	Ant1	High	2480	-4.14	-55.32	≤-24.14	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



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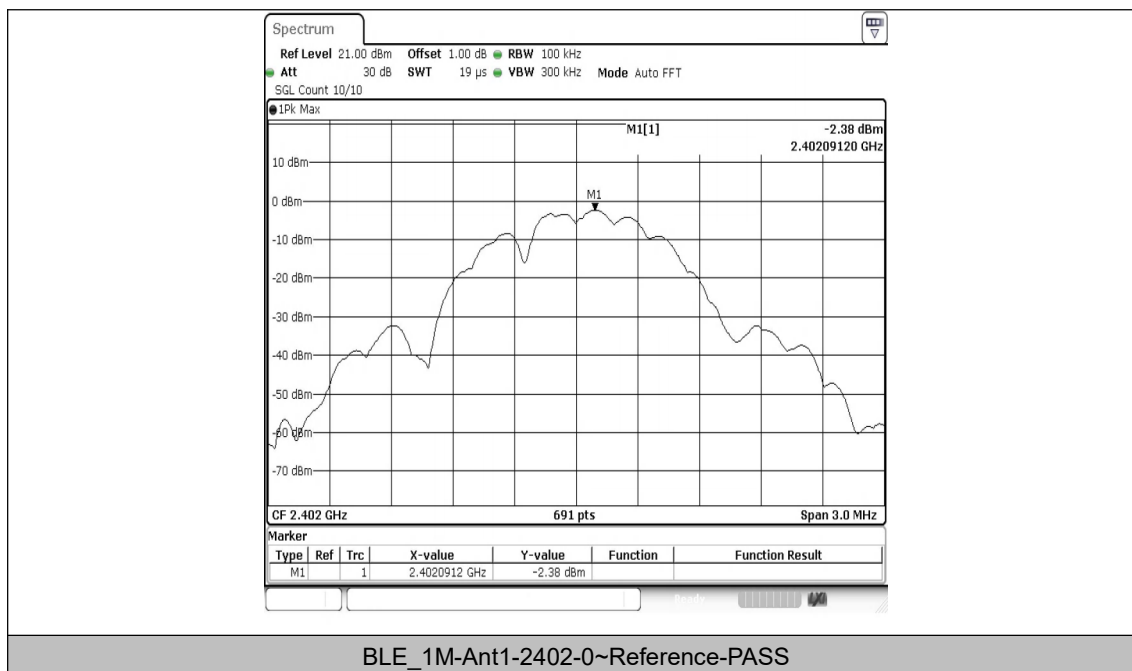
Appendix F: Conducted Spurious Emission

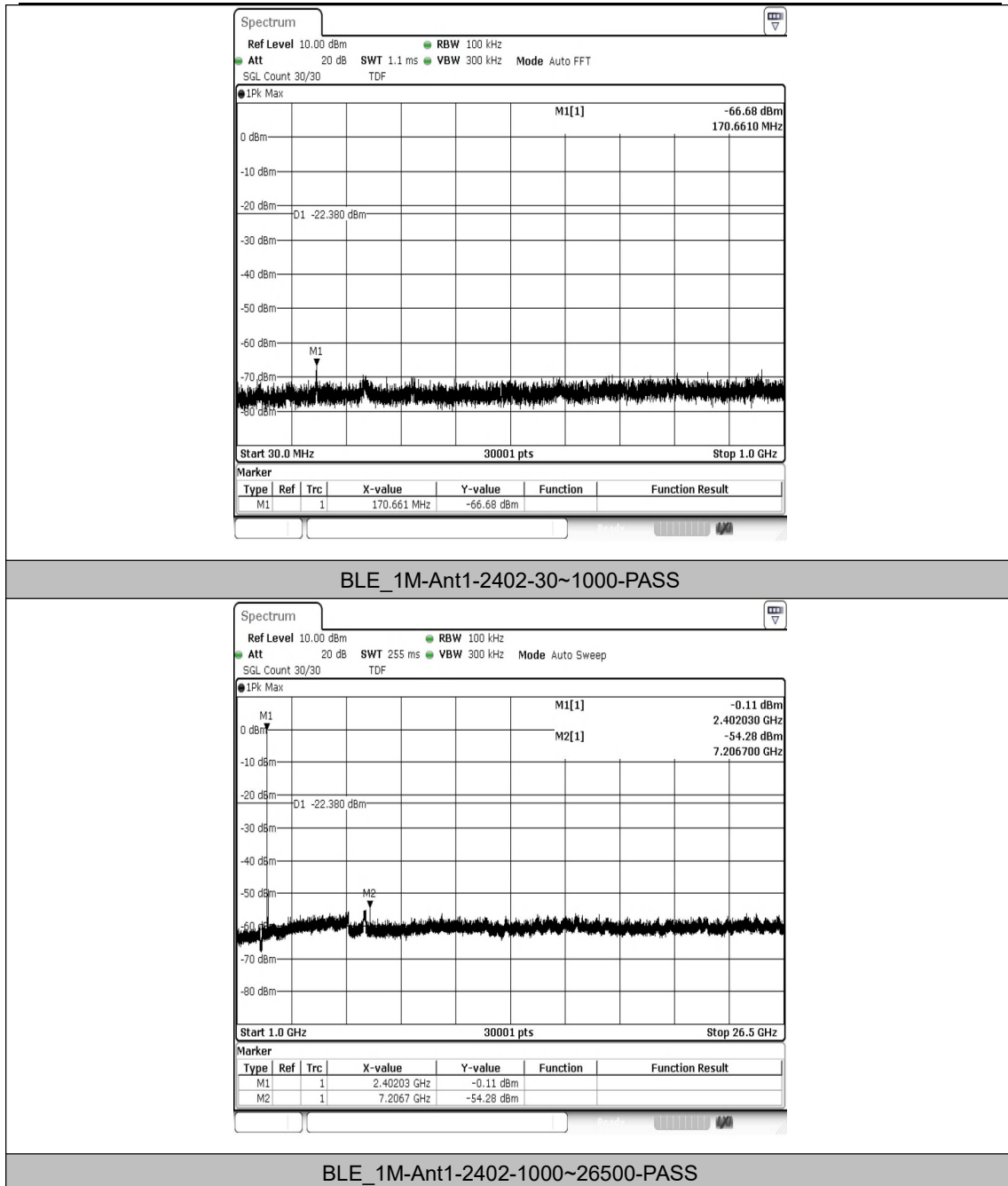
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-2.38	-2.38	---	PASS
BLE_1M	Ant1	2402	30~1000	-2.38	-66.68	≤-22.38	PASS
BLE_1M	Ant1	2402	1000~26500	-2.38	-54.28	≤-22.38	PASS
BLE_1M	Ant1	2440	0~Reference	-7.05	-7.05	---	PASS
BLE_1M	Ant1	2440	30~1000	-7.05	-68.35	≤-27.05	PASS
BLE_1M	Ant1	2440	1000~26500	-7.05	-54.43	≤-27.05	PASS
BLE_1M	Ant1	2480	0~Reference	-4.92	-4.92	---	PASS
BLE_1M	Ant1	2480	30~1000	-4.92	-68.45	≤-24.92	PASS
BLE_1M	Ant1	2480	1000~26500	-4.92	-54.56	≤-24.92	PASS

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

Test Graphs





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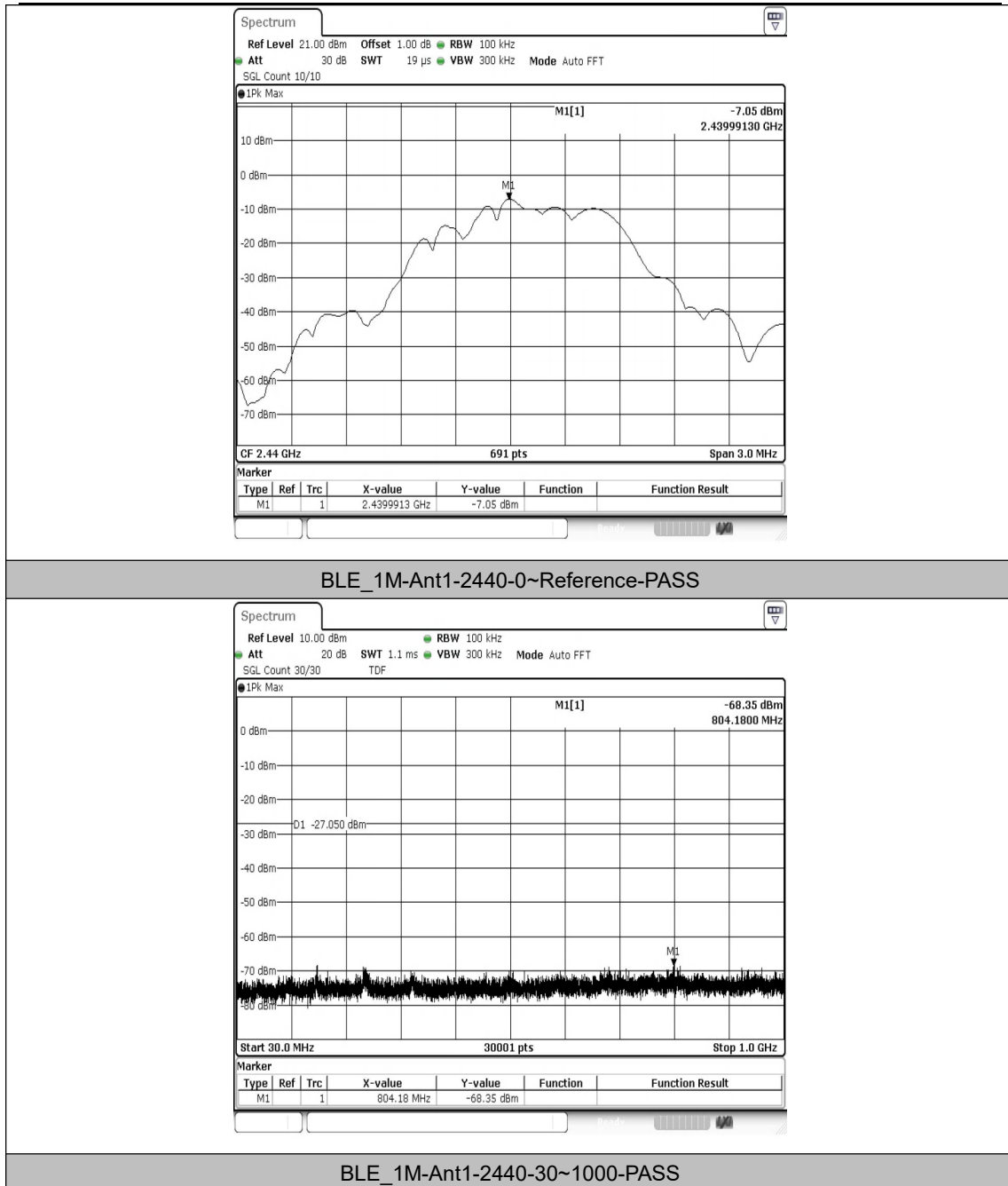
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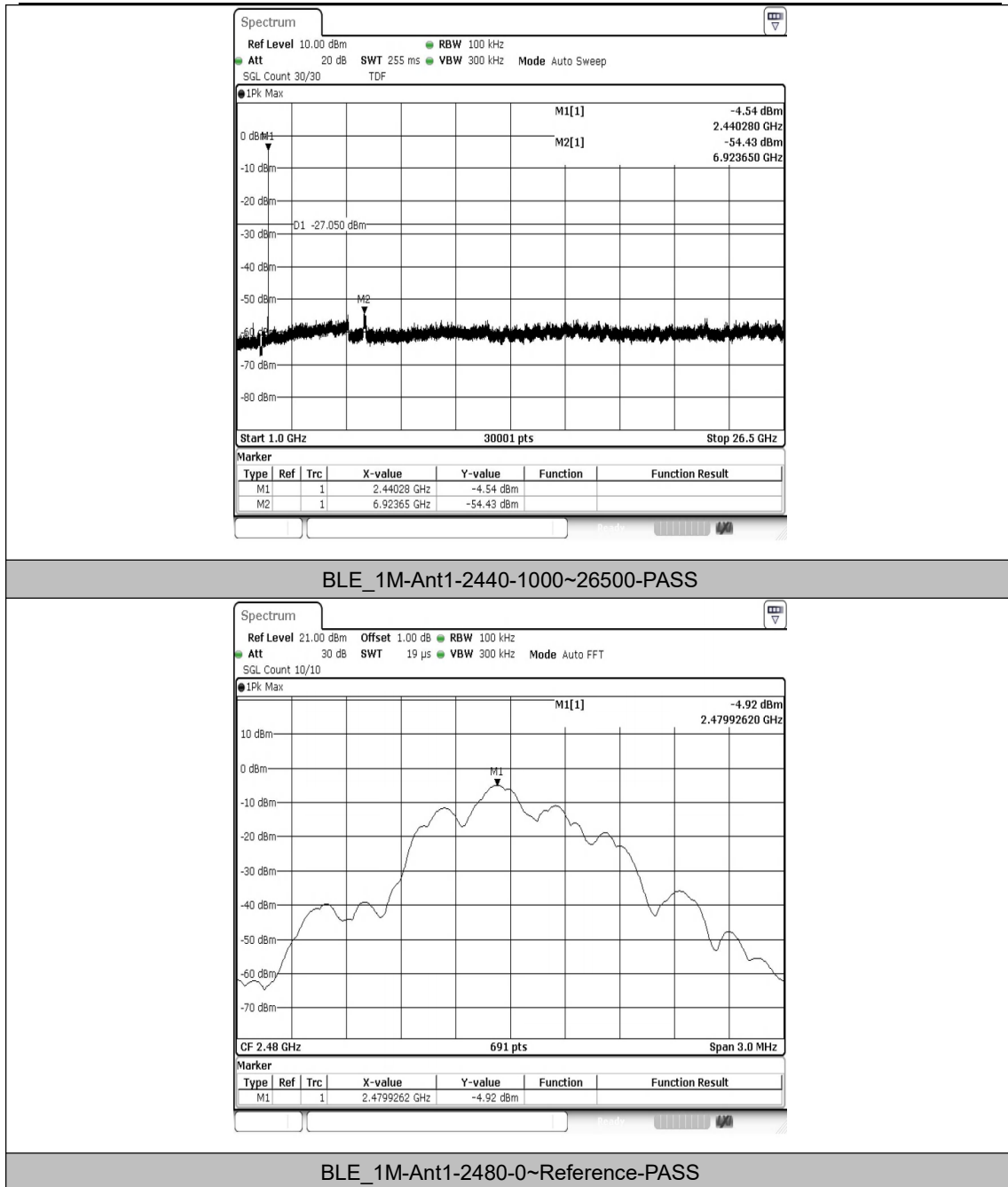
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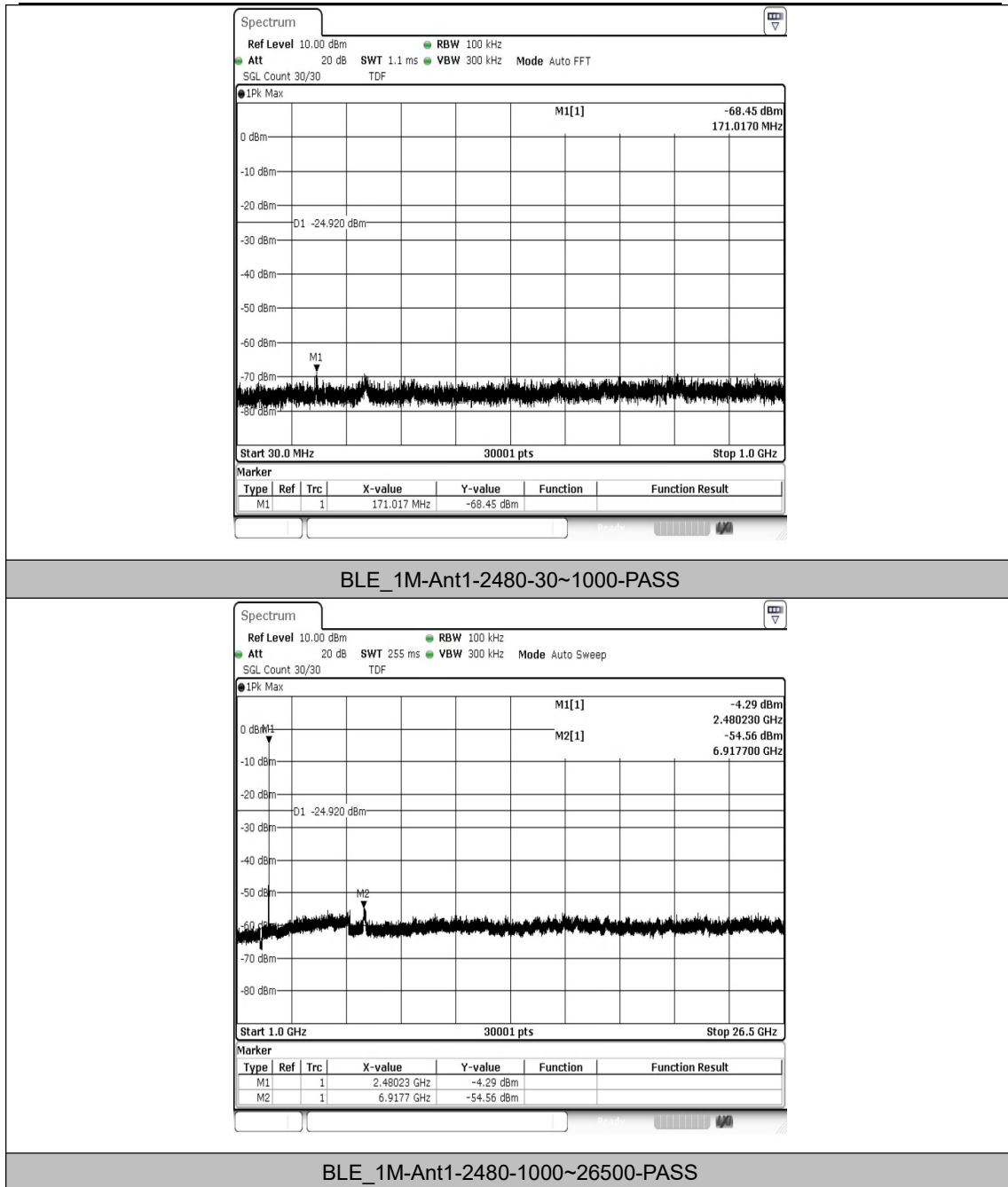
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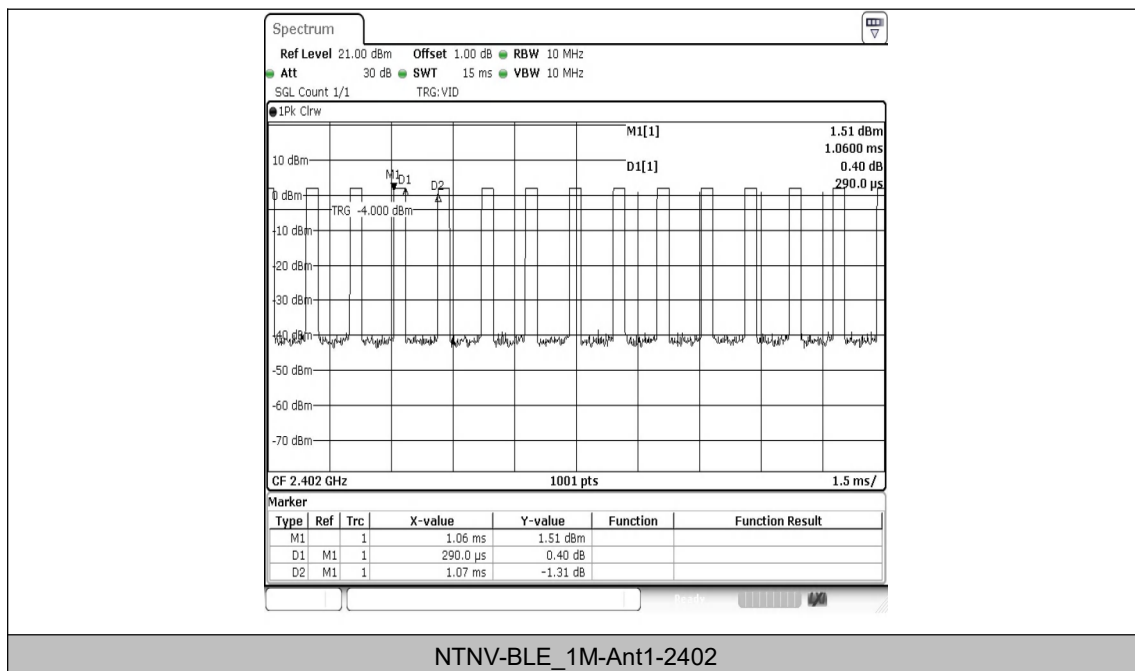
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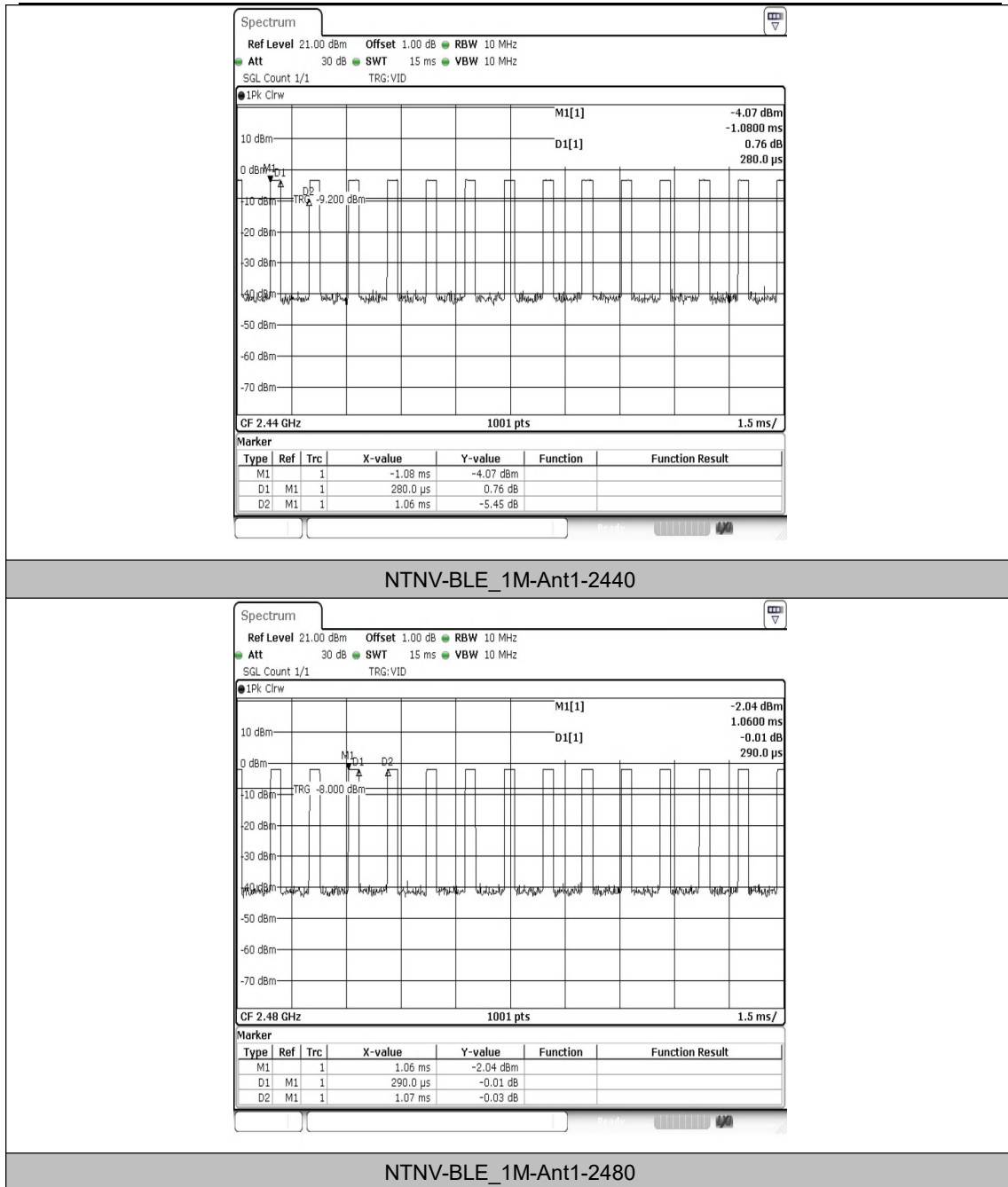
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.29	1.07	27.10	5.67
BLE_1M	Ant1	2440	0.28	1.06	26.42	5.78
BLE_1M	Ant1	2480	0.29	1.07	27.10	5.67

Test Graphs





---End---