

Appendix Test Data

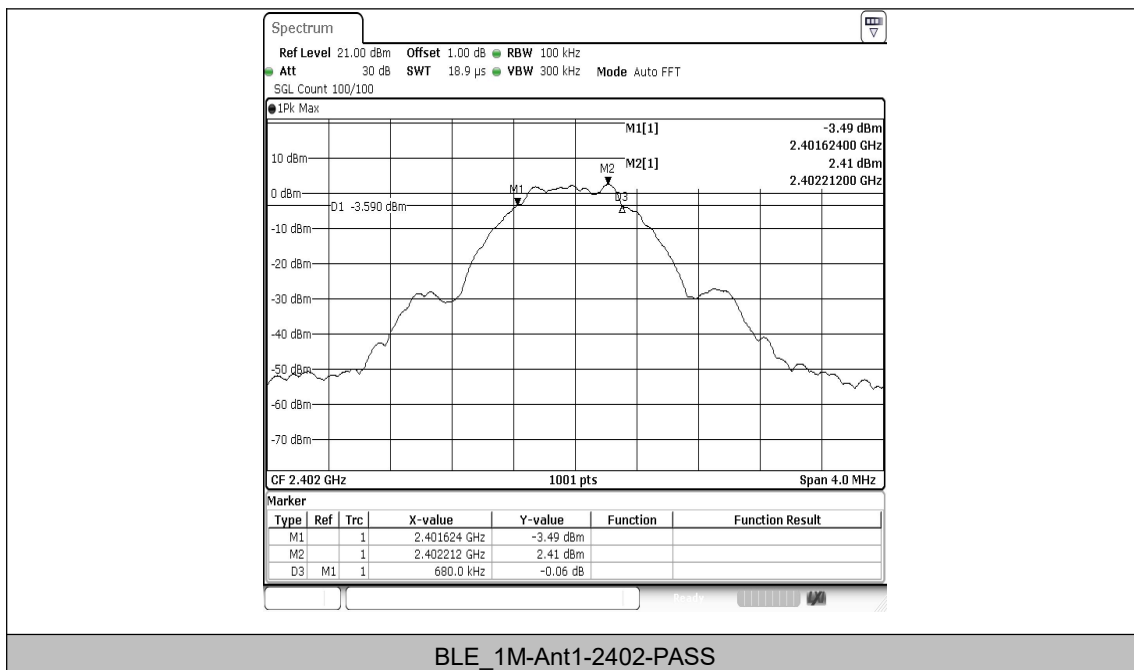
Report No.:	1812C50232412501	Test Sample No.:	1-2-2
Start Test Date:	2025-5-26	Finish Test Date:	2025-5-28
Test Engineer:	Hansen Guan	Auditor:	Justin Feng
Temperature:	24.5°C	Relative Humidity:	51%
Pressure:	101kPa		

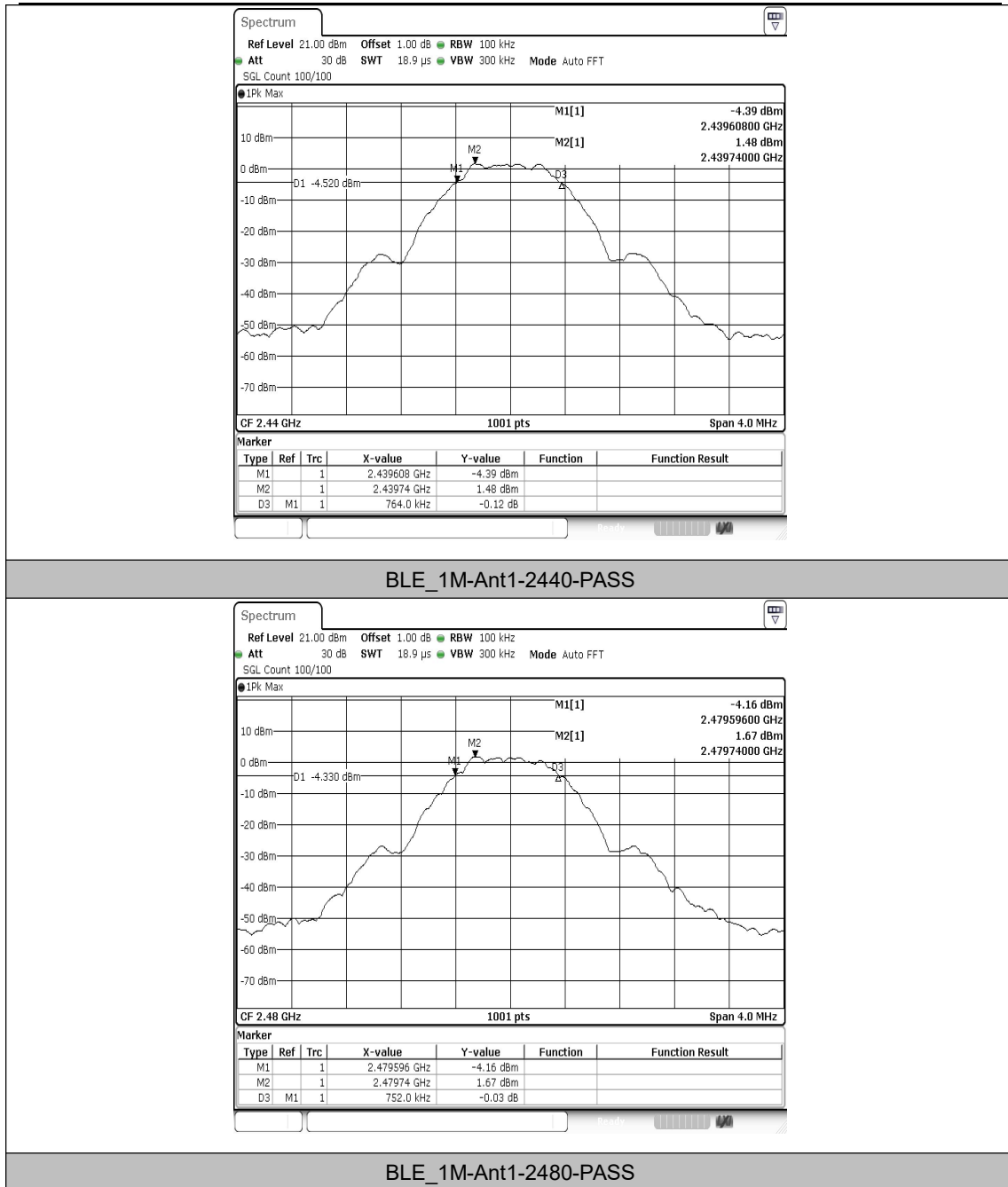
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.68	2401.62	2402.30	0.5	PASS
BLE_1M	Ant1	2440	0.76	2439.61	2440.37	0.5	PASS
BLE_1M	Ant1	2480	0.75	2479.60	2480.35	0.5	PASS

Test Graphs



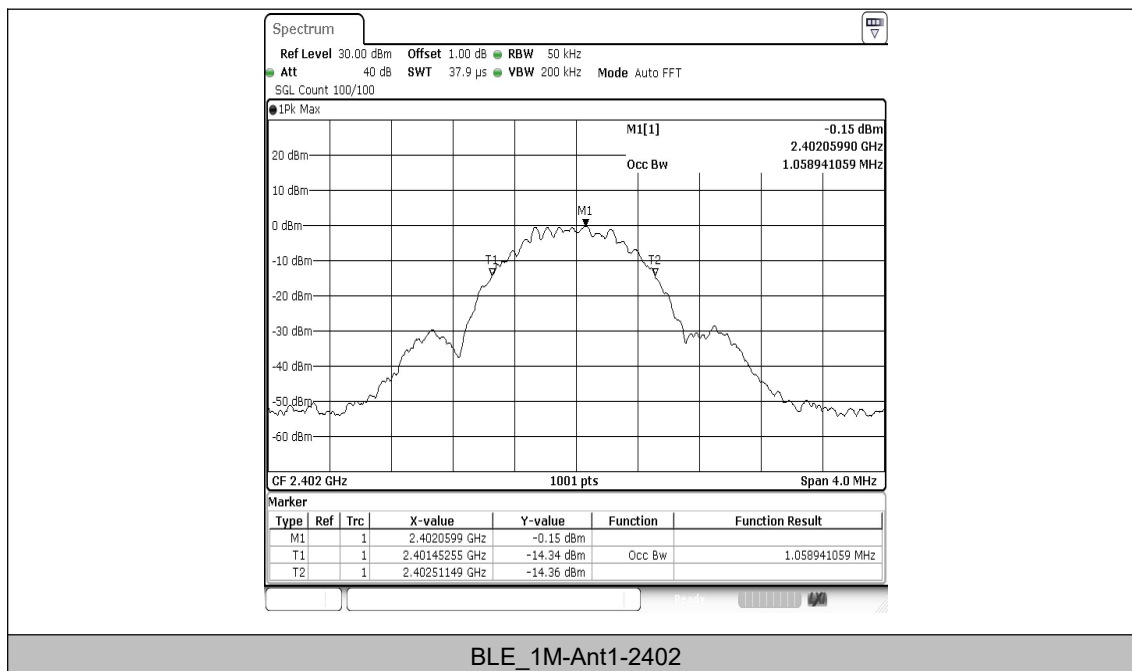


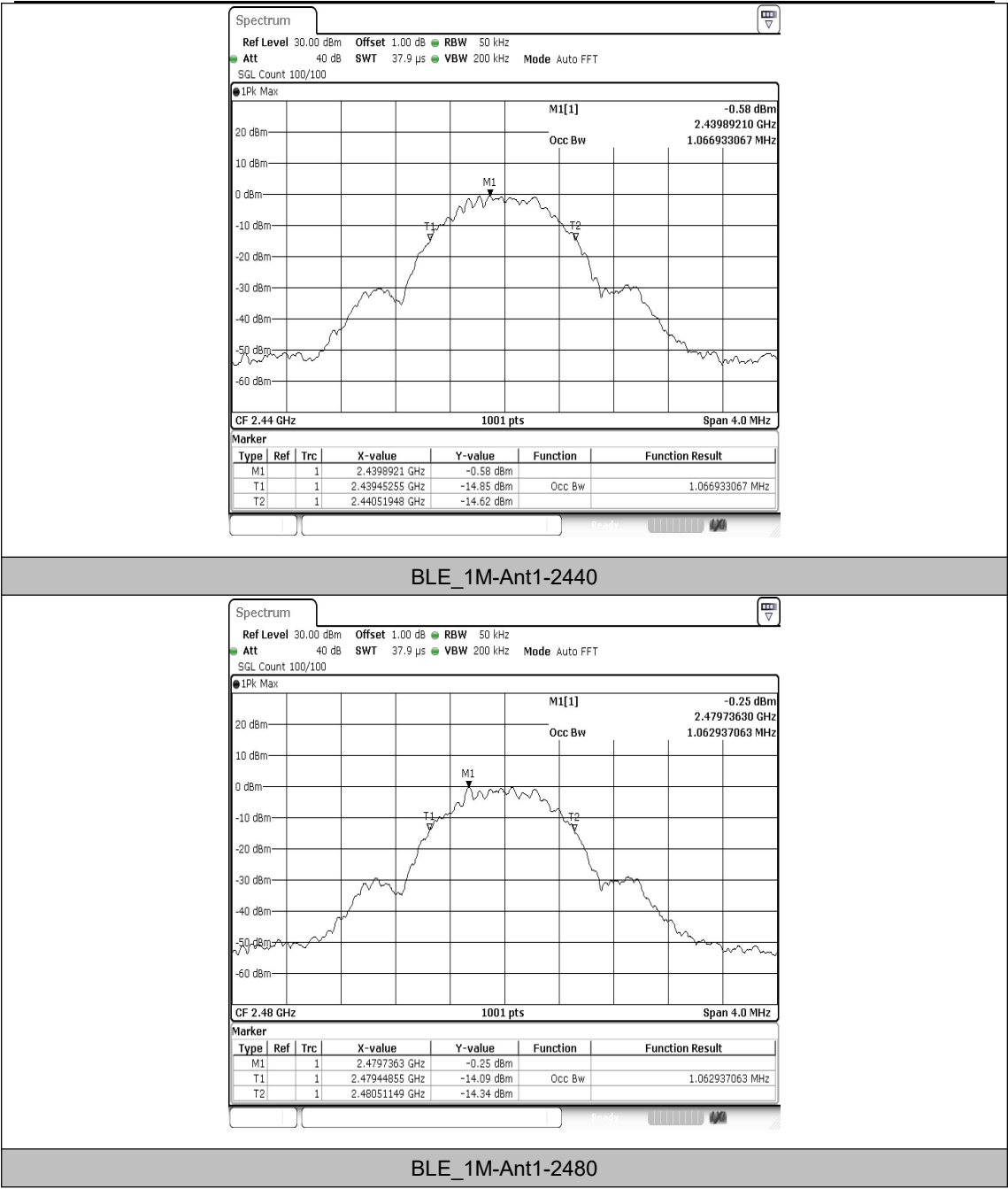
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0589	2401.4525	2402.5115	---	---
BLE_1M	Ant1	2440	1.0669	2439.4525	2440.5195	---	---
BLE_1M	Ant1	2480	1.0629	2479.4486	2480.5115	---	---

Test Graphs



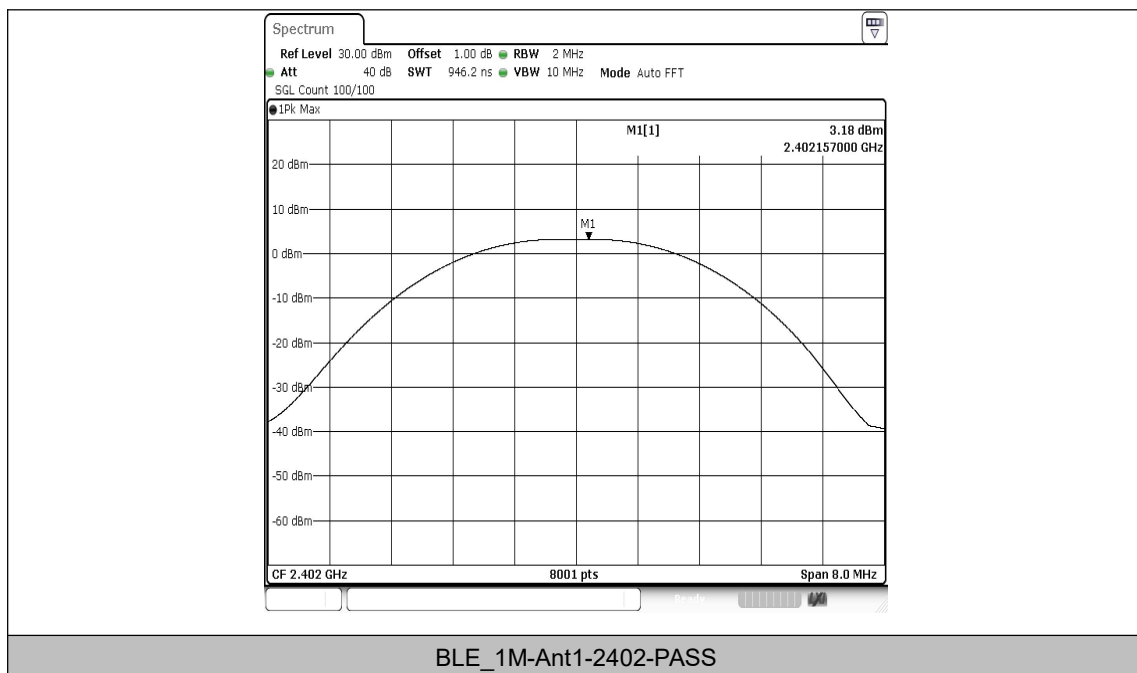


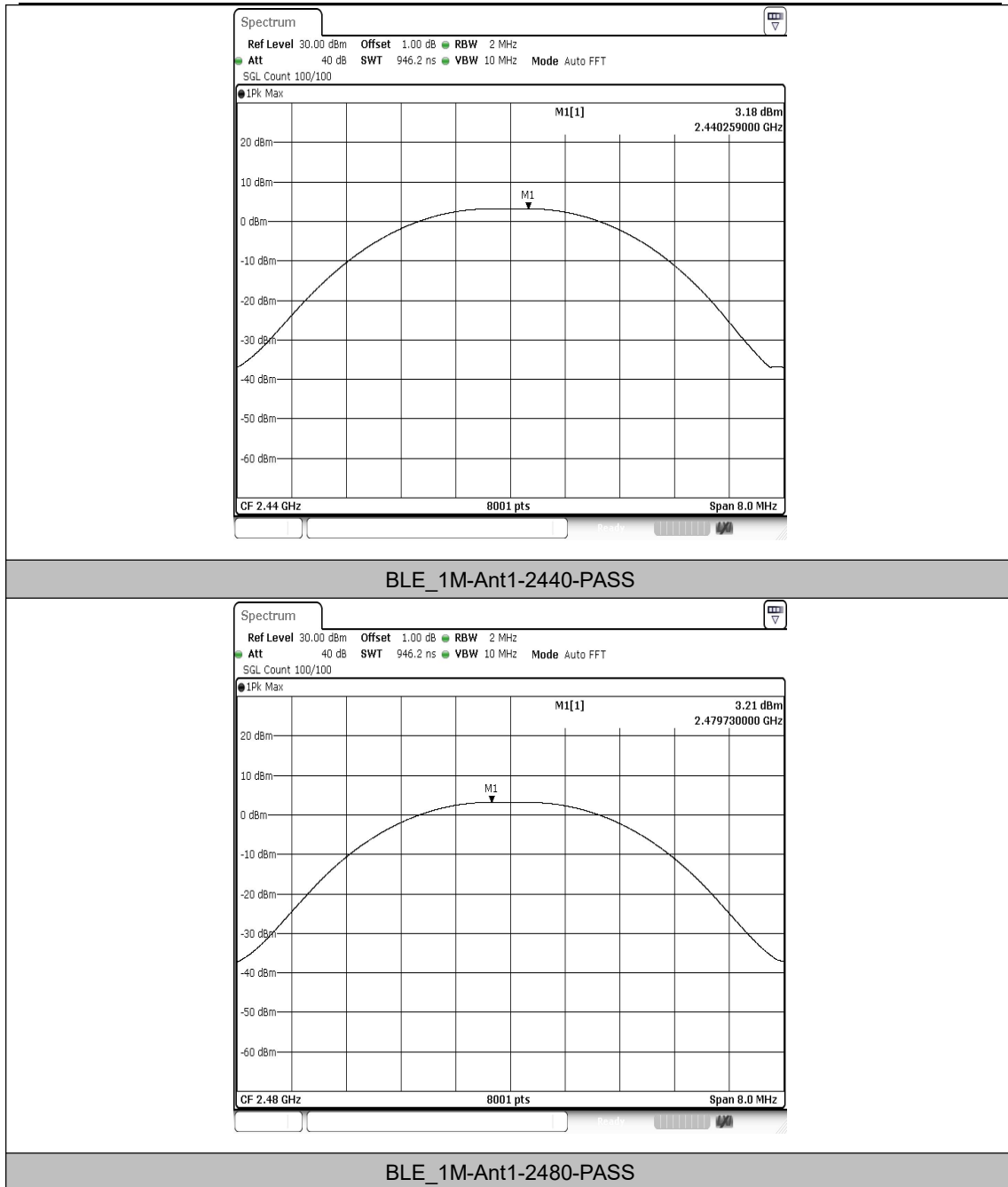
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.18	≤30	PASS
BLE_1M	Ant1	2440	3.18	≤30	PASS
BLE_1M	Ant1	2480	3.21	≤30	PASS

Test Graphs Peak





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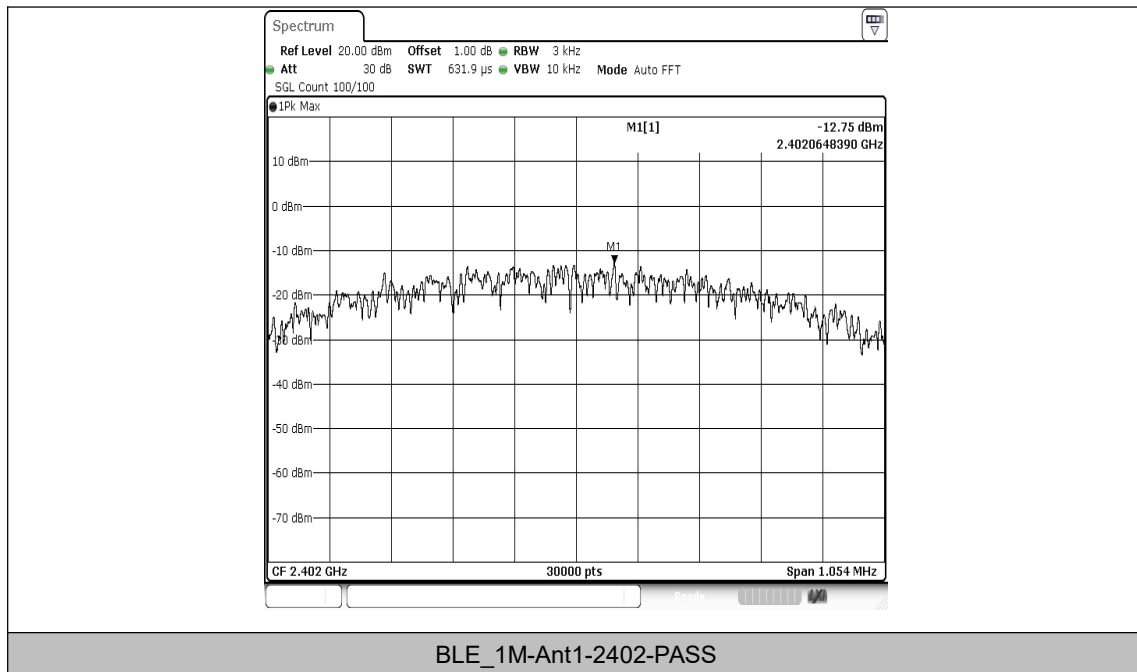
Hotline
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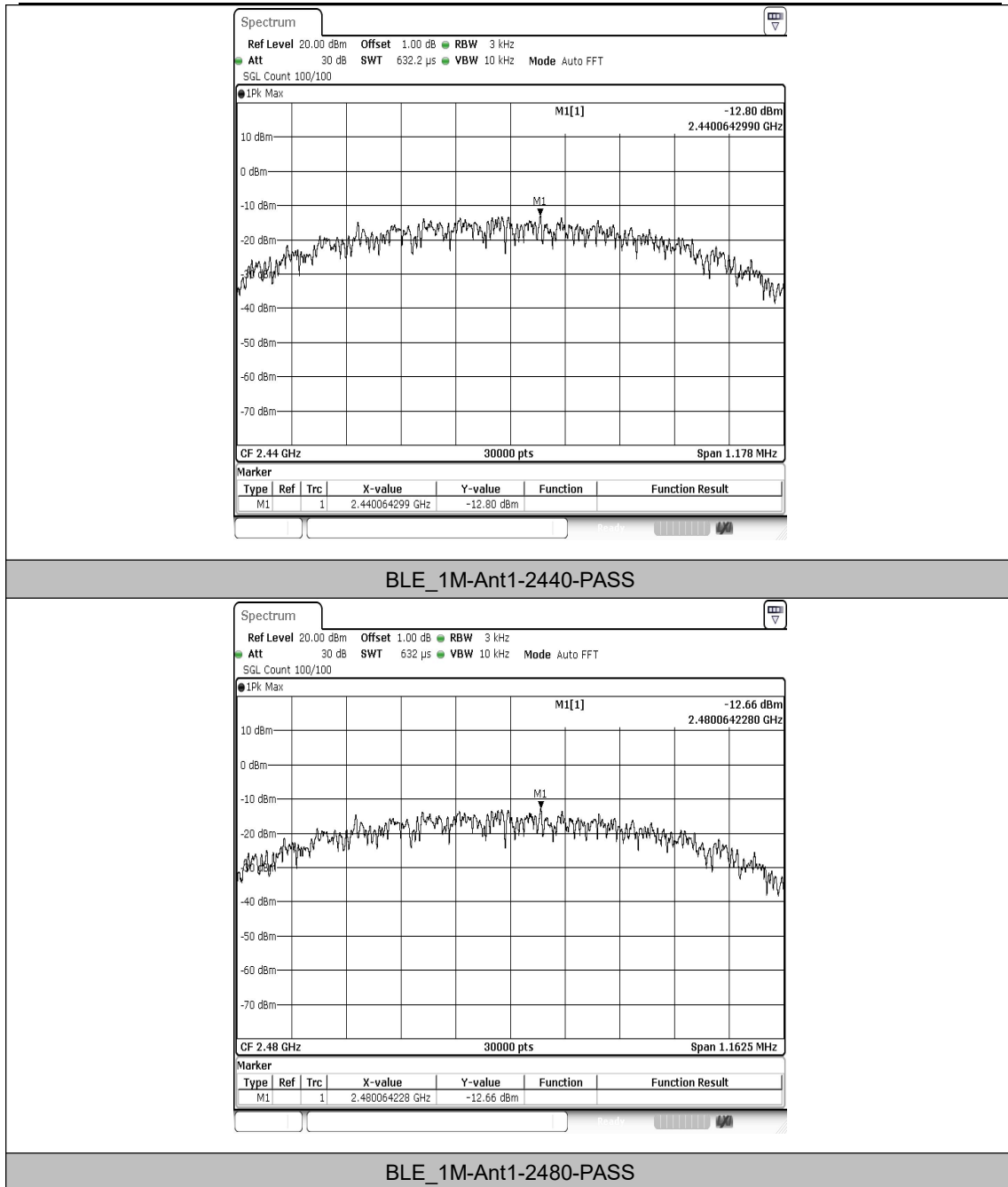
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.75	≤8.00	PASS
BLE_1M	Ant1	2440	-12.80	≤8.00	PASS
BLE_1M	Ant1	2480	-12.66	≤8.00	PASS

Test Graphs





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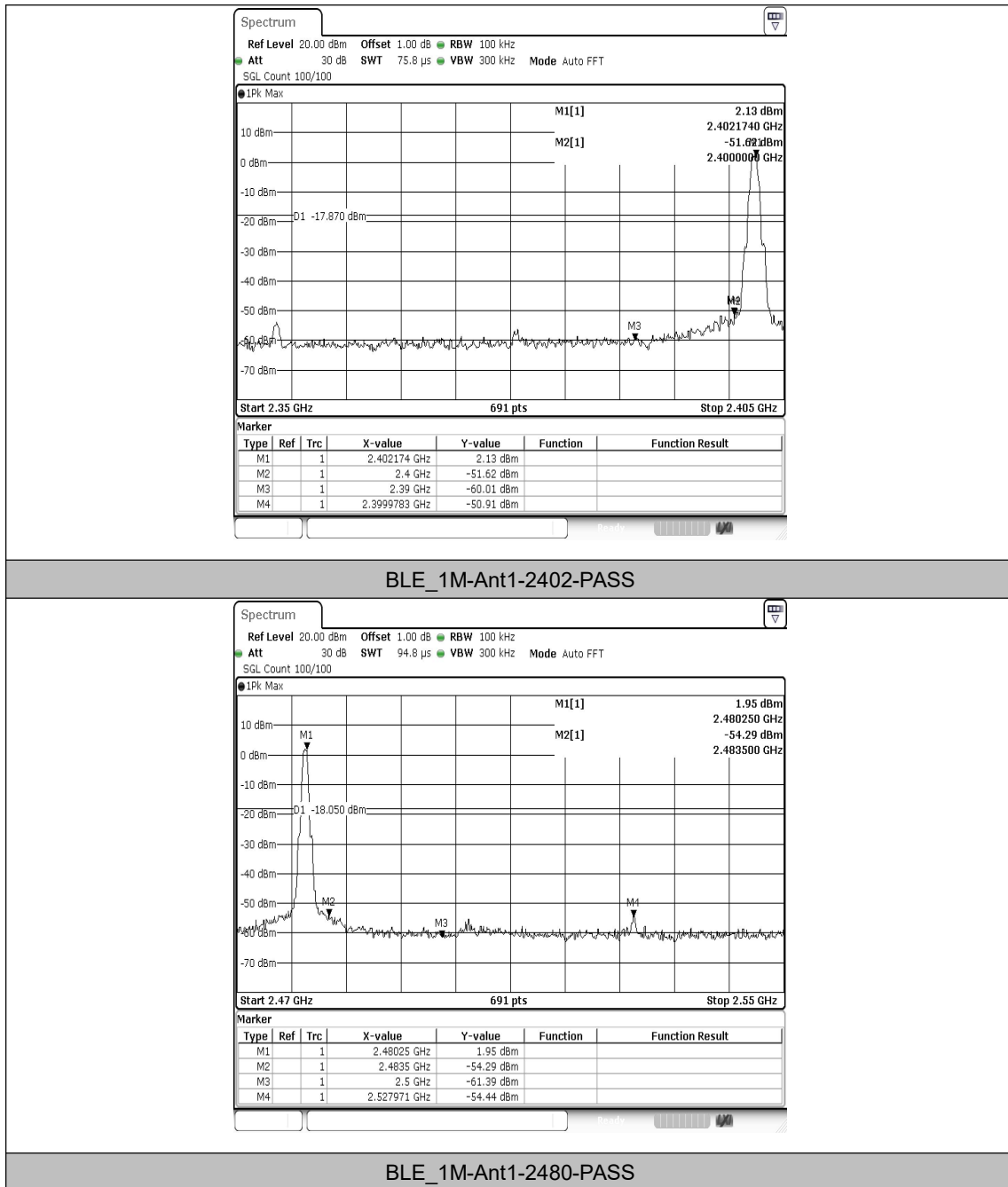
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.13	-50.91	≤-17.87	PASS
BLE_1M	Ant1	High	2480	1.95	-54.44	≤-18.05	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



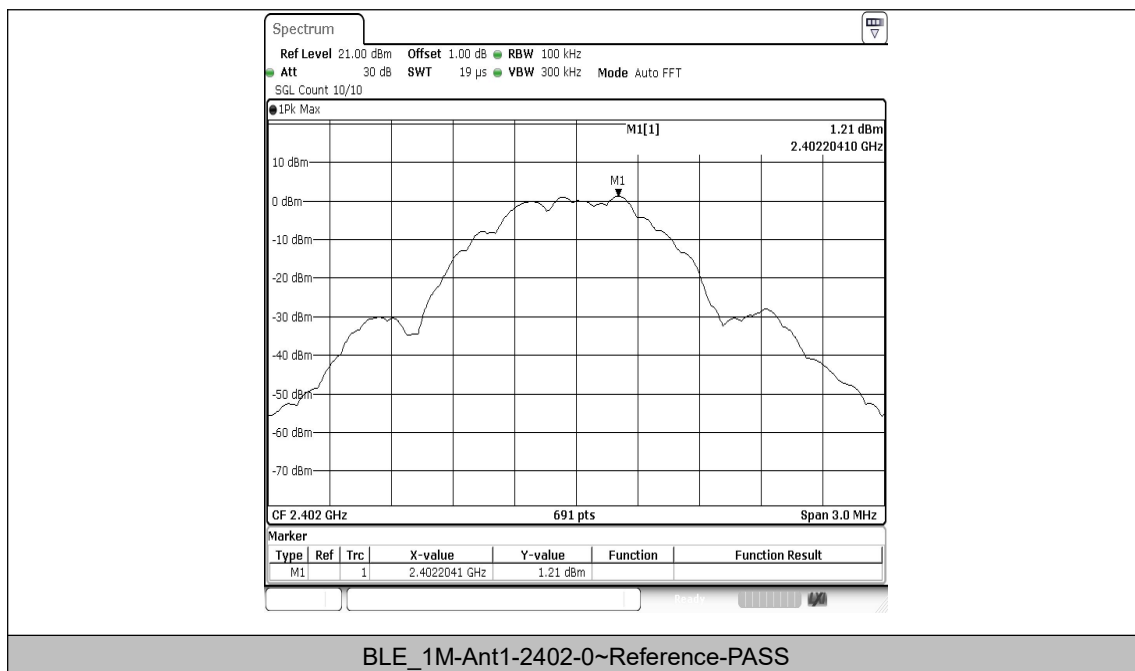
Appendix F: Conducted Spurious Emission

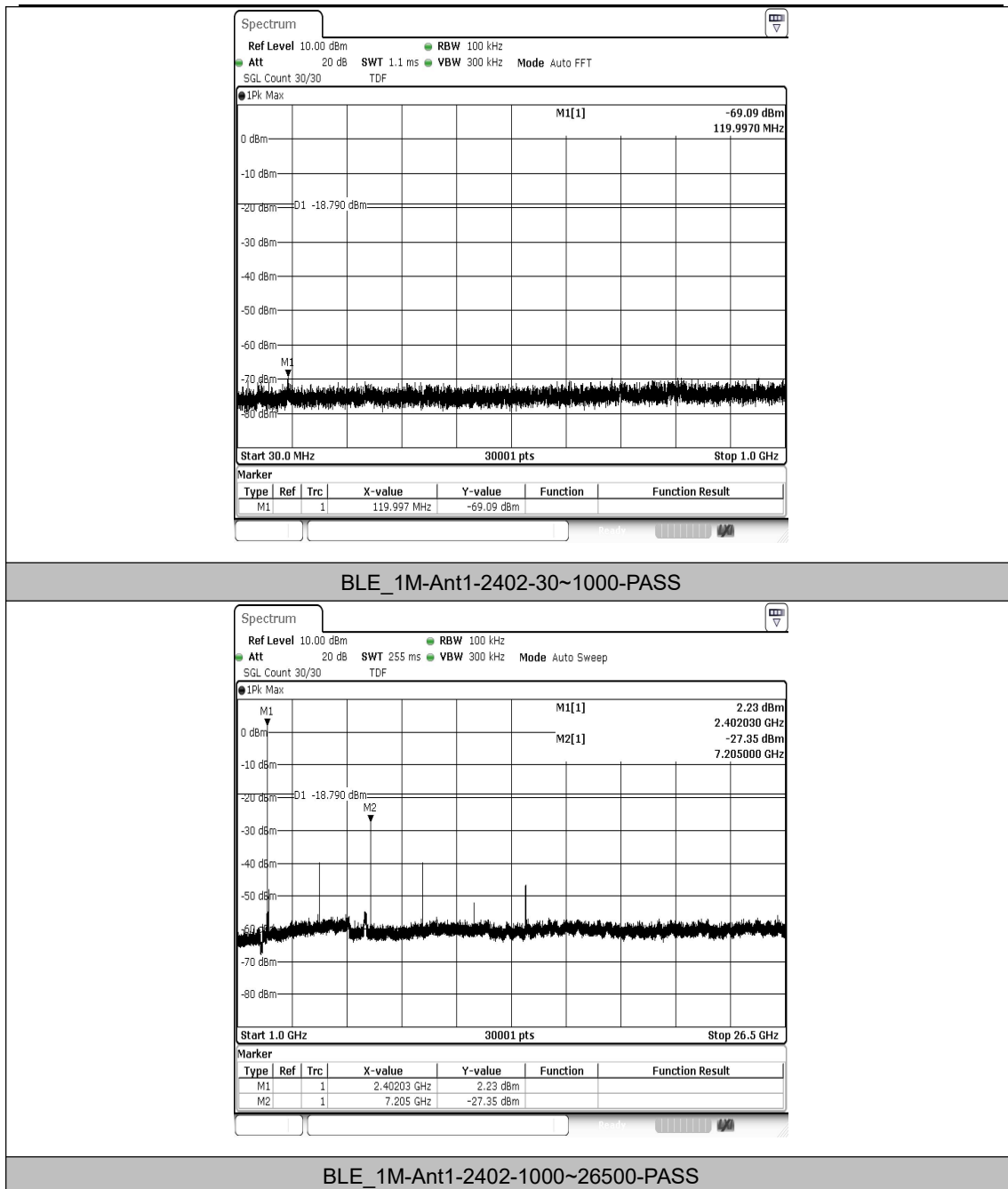
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	1.21	1.21	---	PASS
BLE_1M	Ant1	2402	30~1000	1.21	-69.09	≤-18.79	PASS
BLE_1M	Ant1	2402	1000~26500	1.21	-27.35	≤-18.79	PASS
BLE_1M	Ant1	2440	0~Reference	1.34	1.34	---	PASS
BLE_1M	Ant1	2440	30~1000	1.34	-68.63	≤-18.66	PASS
BLE_1M	Ant1	2440	1000~26500	1.34	-26.65	≤-18.66	PASS
BLE_1M	Ant1	2480	0~Reference	0.98	0.98	---	PASS
BLE_1M	Ant1	2480	30~1000	0.98	-68.72	≤-19.02	PASS
BLE_1M	Ant1	2480	1000~26500	0.98	-29.5	≤-19.02	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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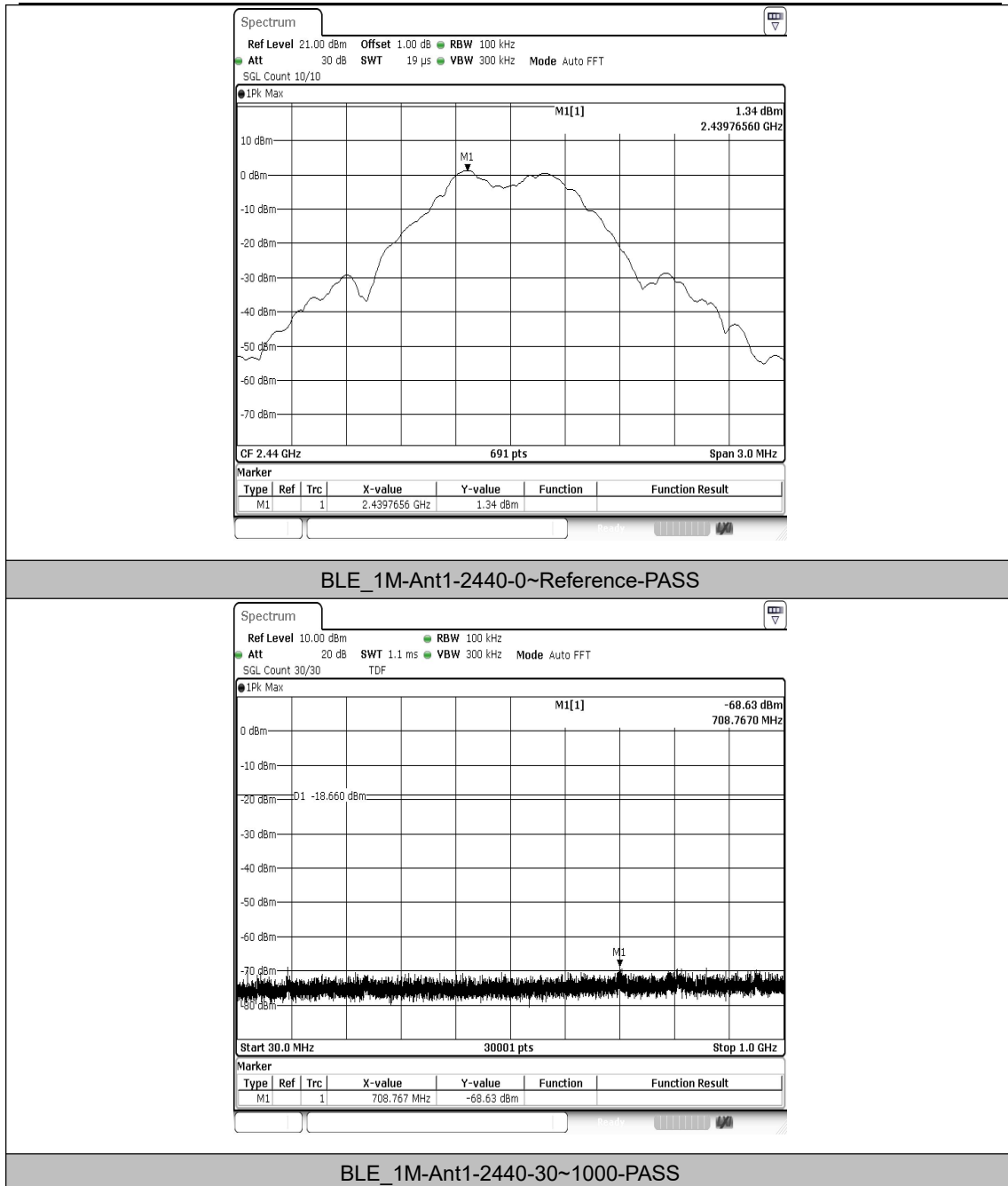
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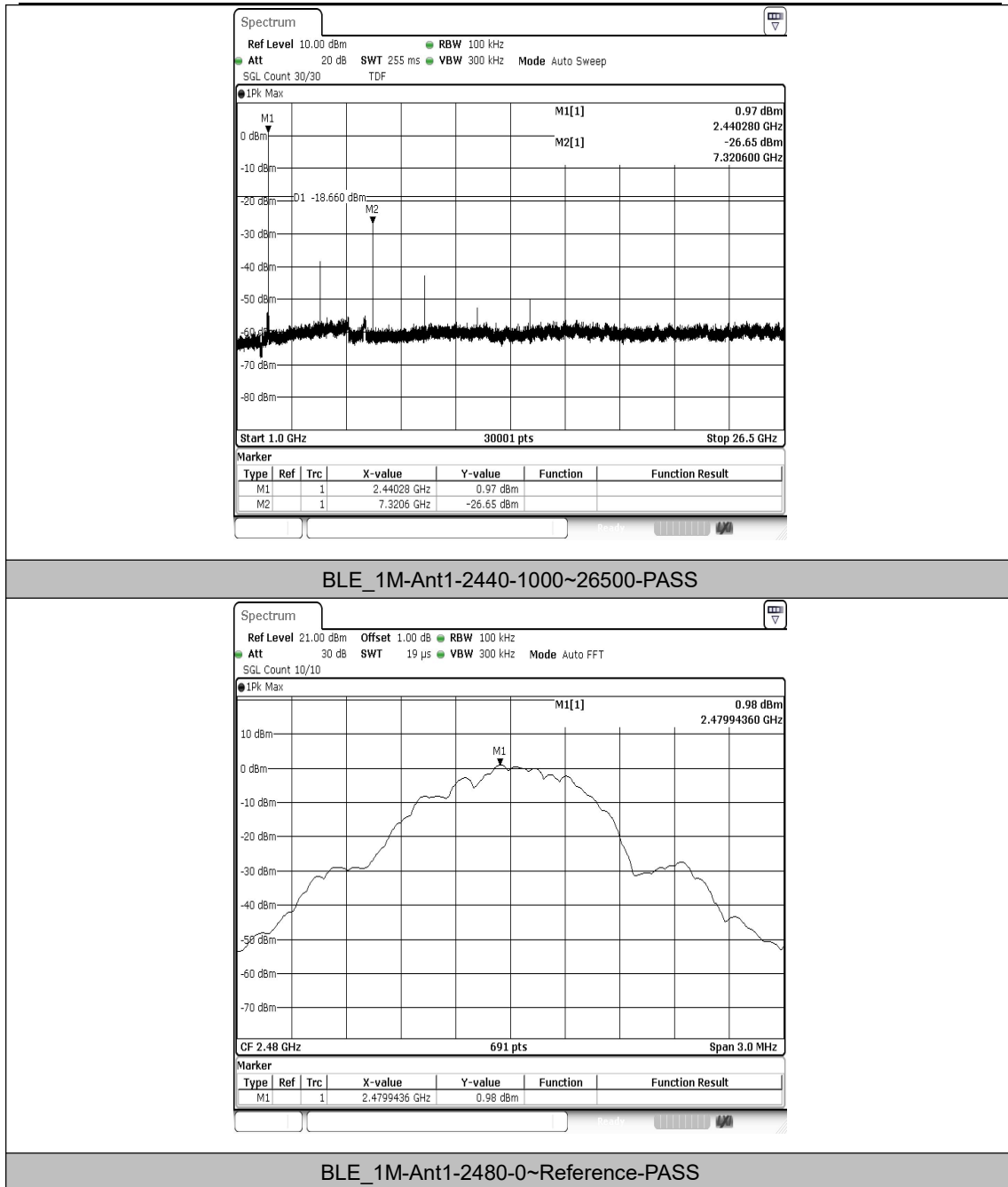
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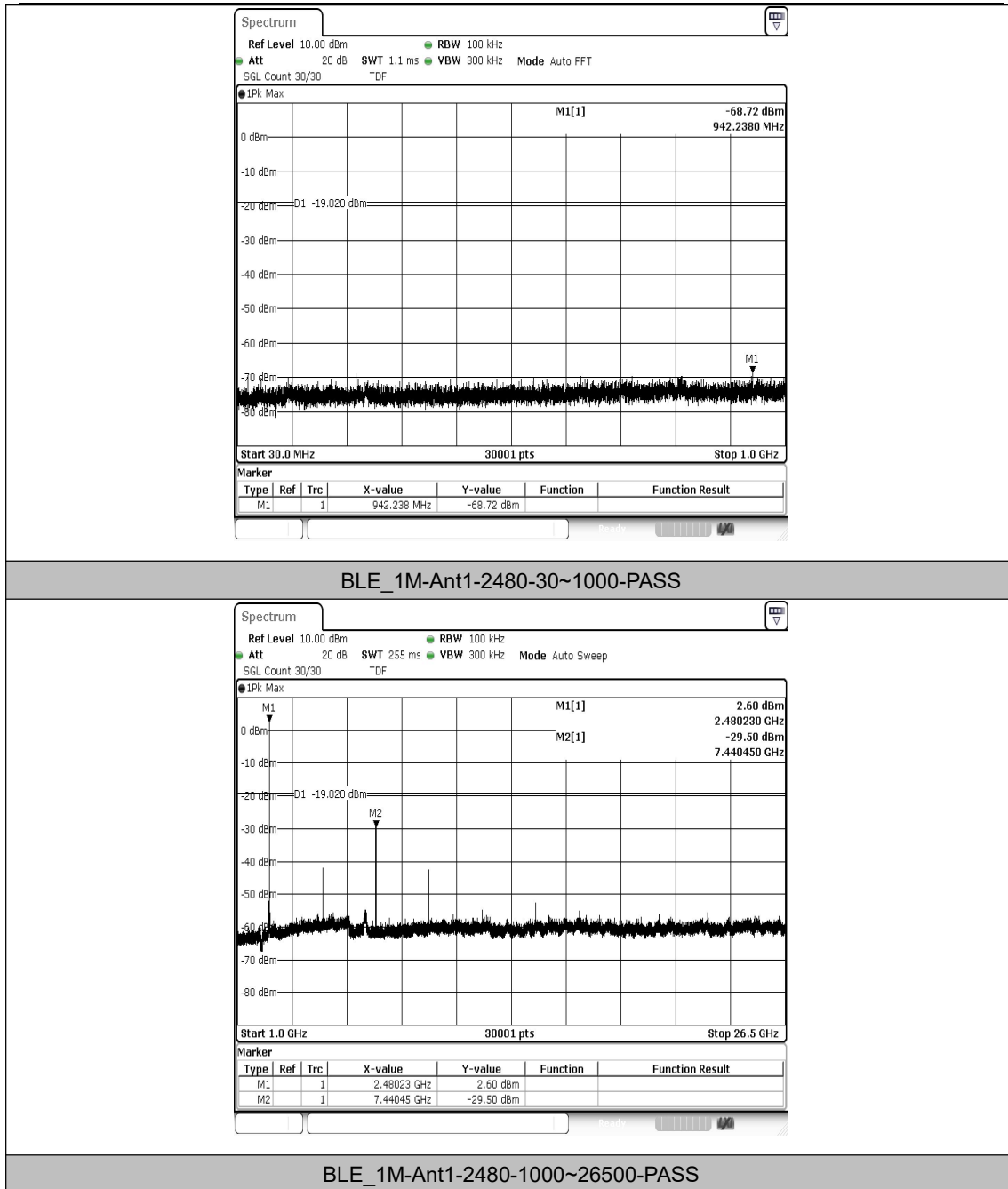


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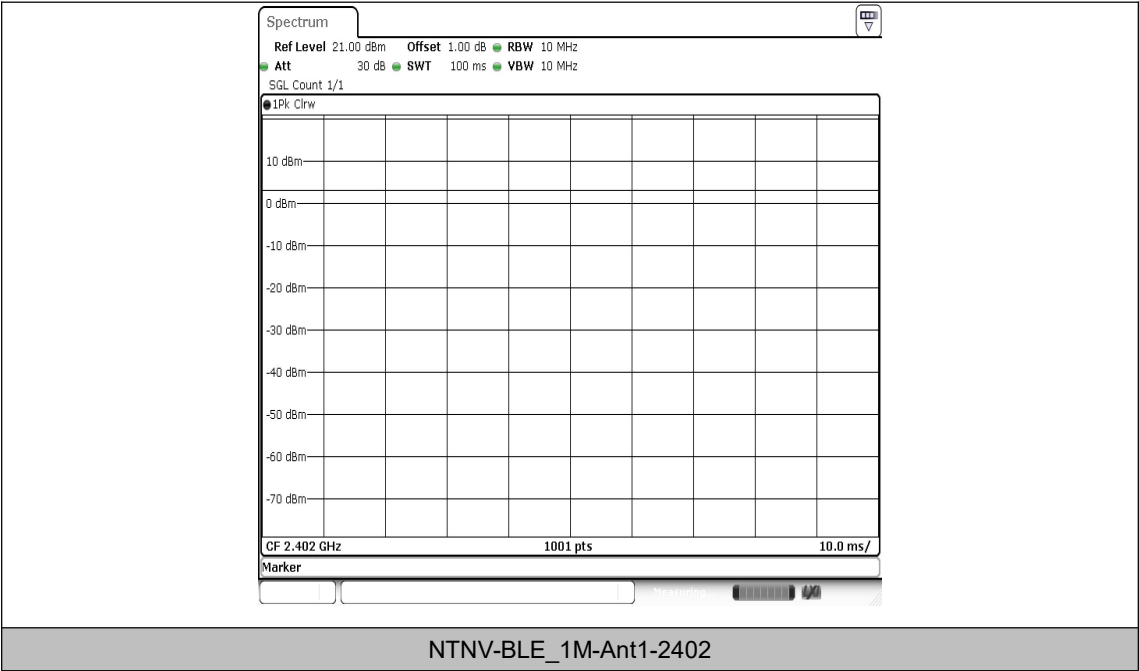
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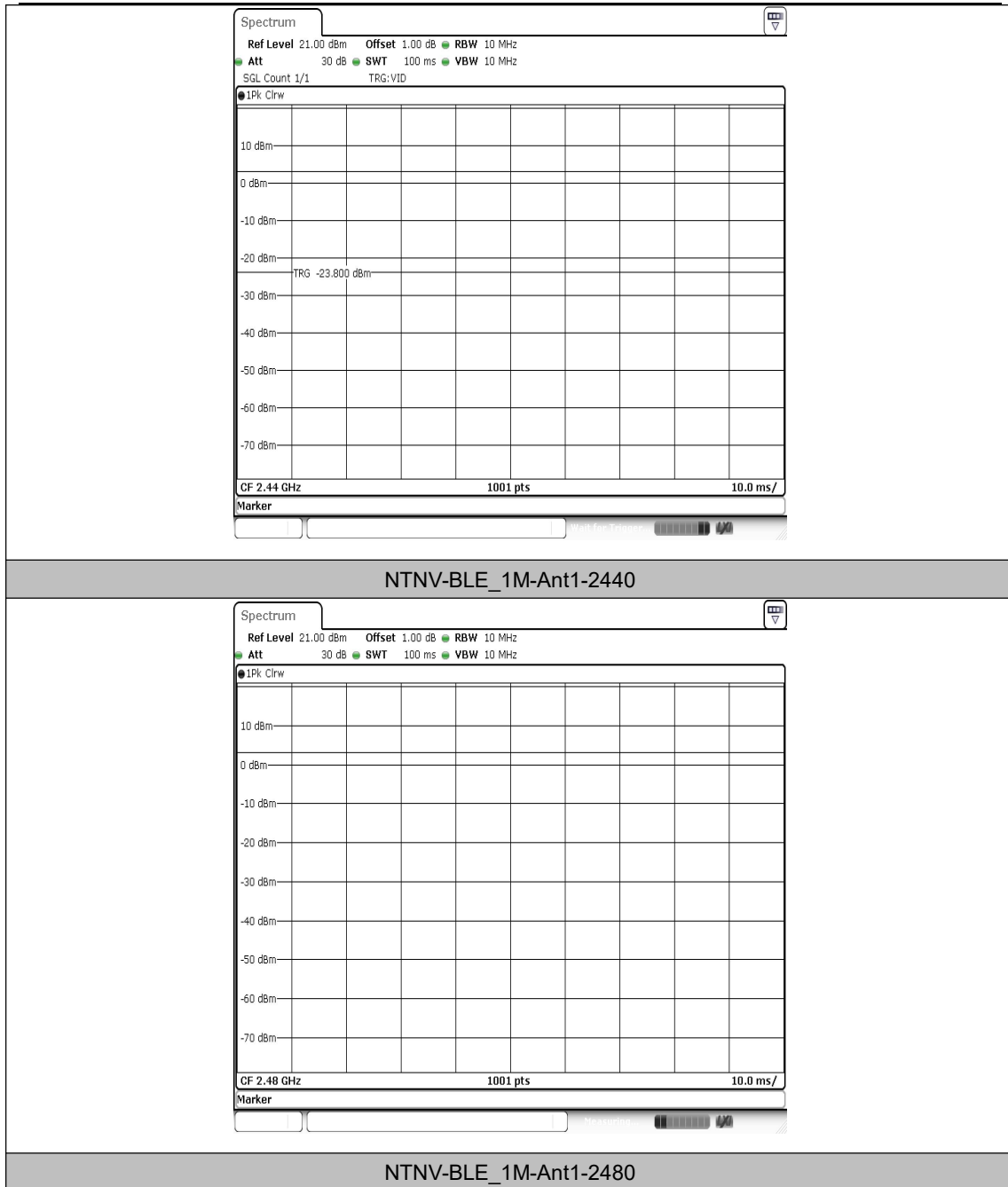
Appendix G: Duty Cycle

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	0.00
BLE_1M	Ant1	2440	100.00	100.00	100	0.00
BLE_1M	Ant1	2480	100.00	100.00	100	0.00

Test Graphs





---End---