

Appendix Test Data

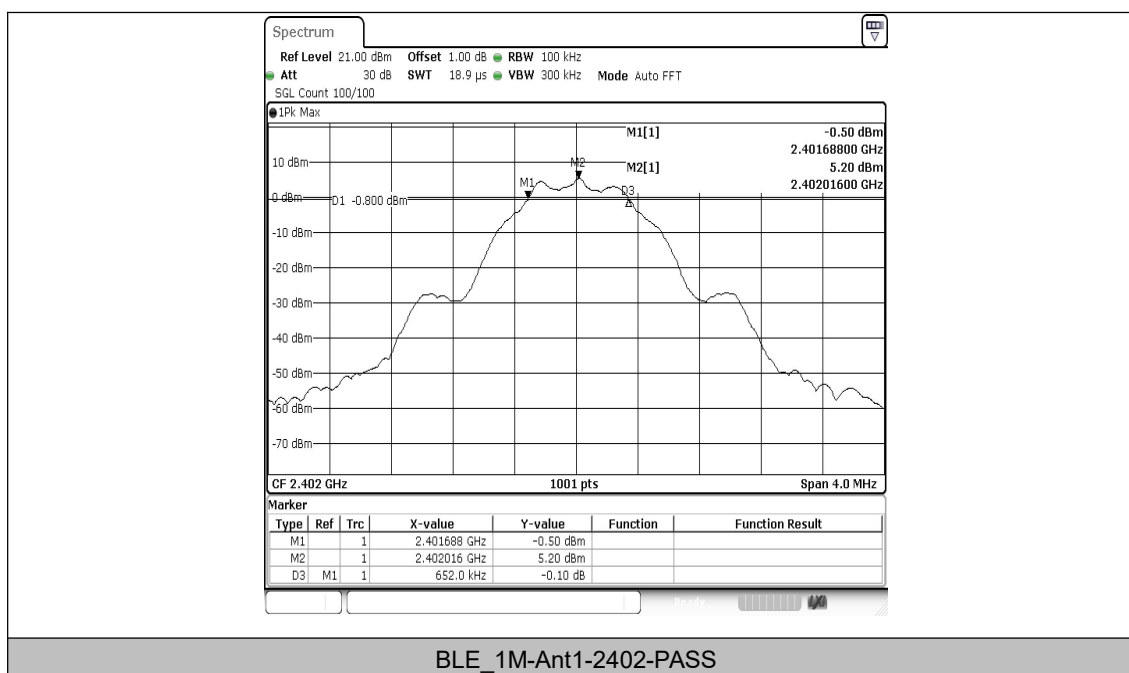
Report No.:	1812C50199512501	Test Sample No.:	1-2-2
Start Test Date:	2025-5-20	Finish Test Date:	2025-5-23
Test Engineer:	Hansen Guan	Auditor:	Justin Feng
Temperature:	25.1°C	Relative Humidity:	48%
Pressure:	101kPa		

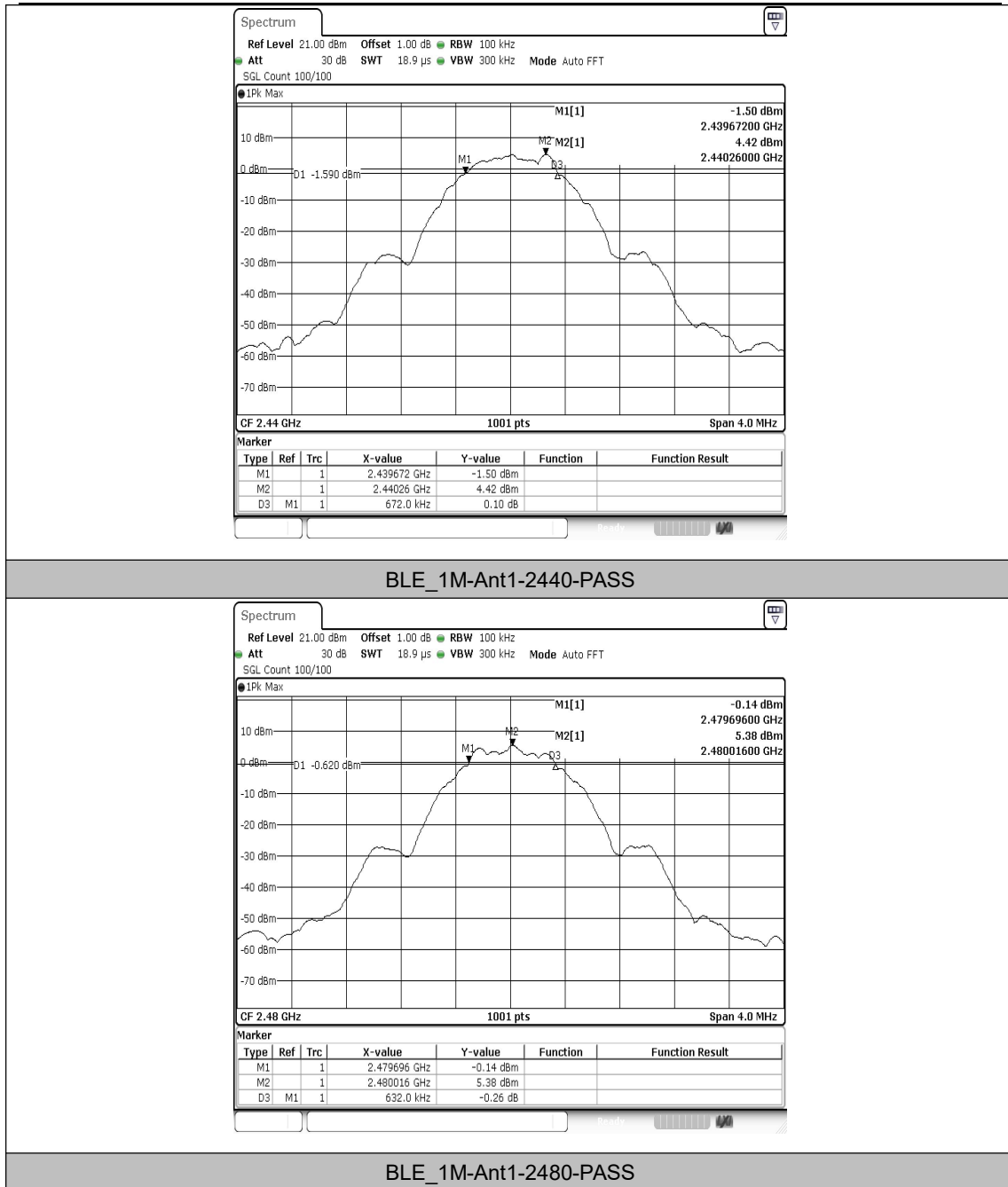
Appendix A: 6dB Bandwidth

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	0.67	2439.67	2440.34	0.5	PASS
BLE_1M	Ant1	2480	0.63	2479.70	2480.33	0.5	PASS

Test Graphs





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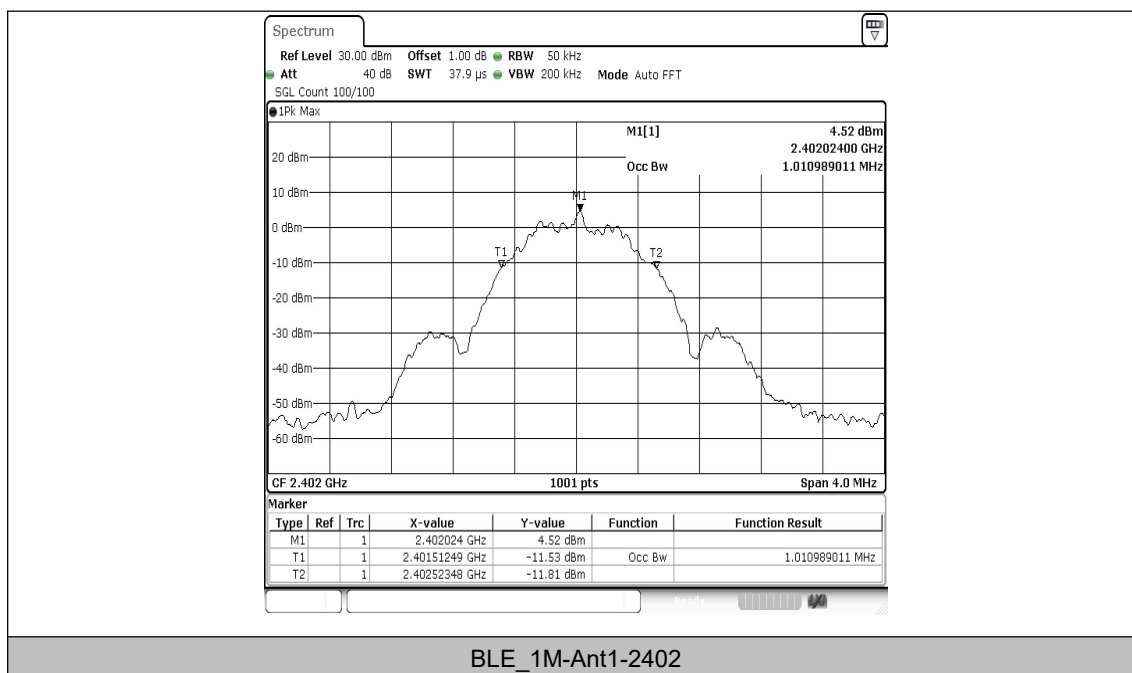
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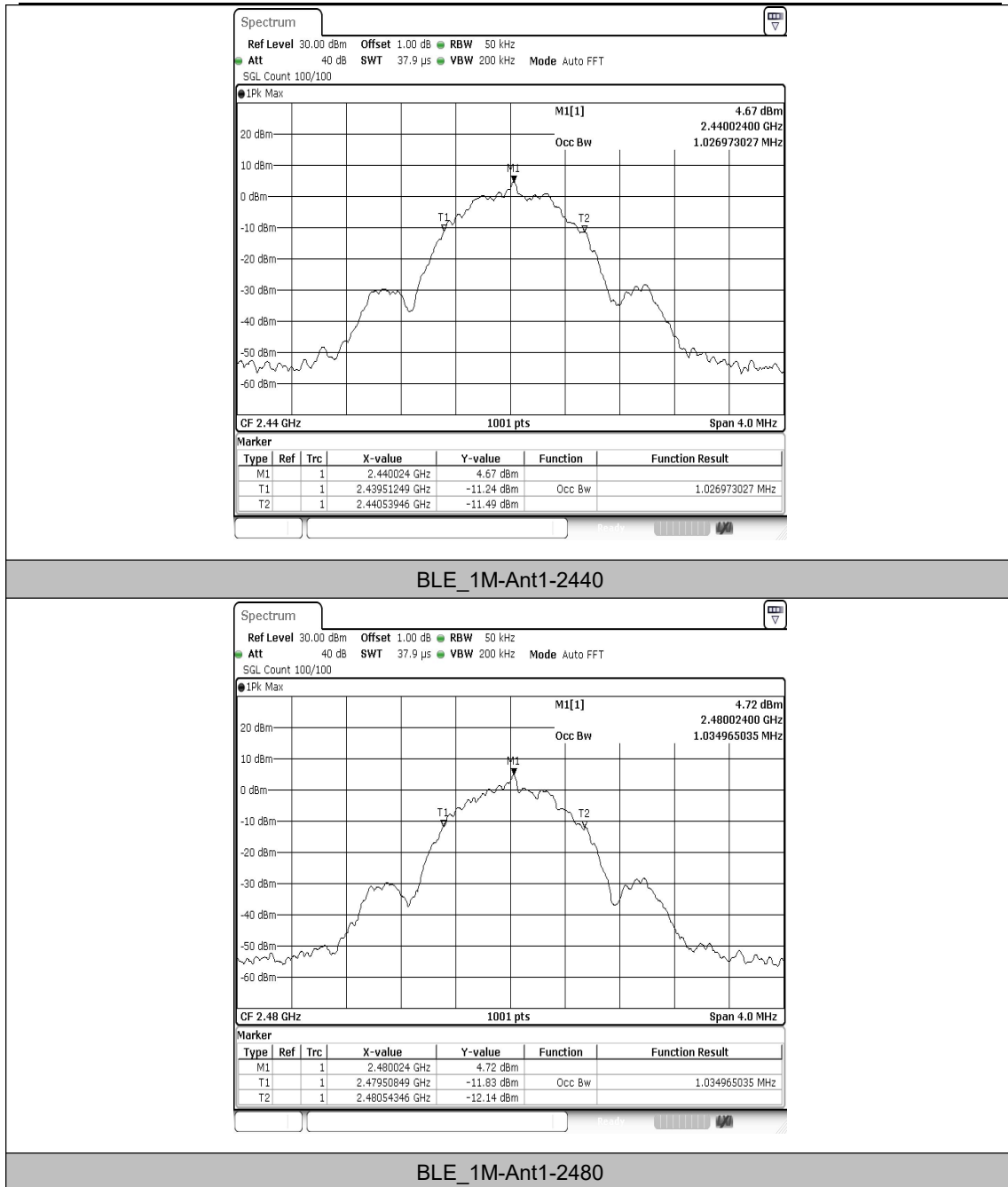
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0110	2401.5125	2402.5235	---	---
BLE_1M	Ant1	2440	1.0270	2439.5125	2440.5395	---	---
BLE_1M	Ant1	2480	1.0350	2479.5085	2480.5435	---	---

Test Graphs





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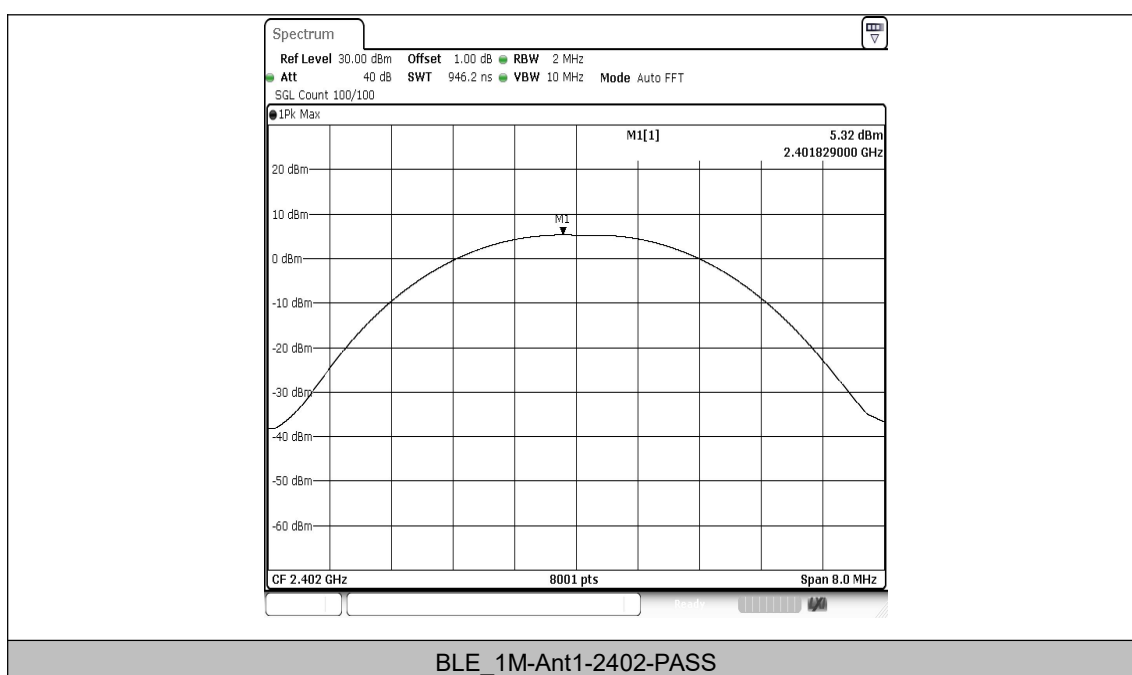
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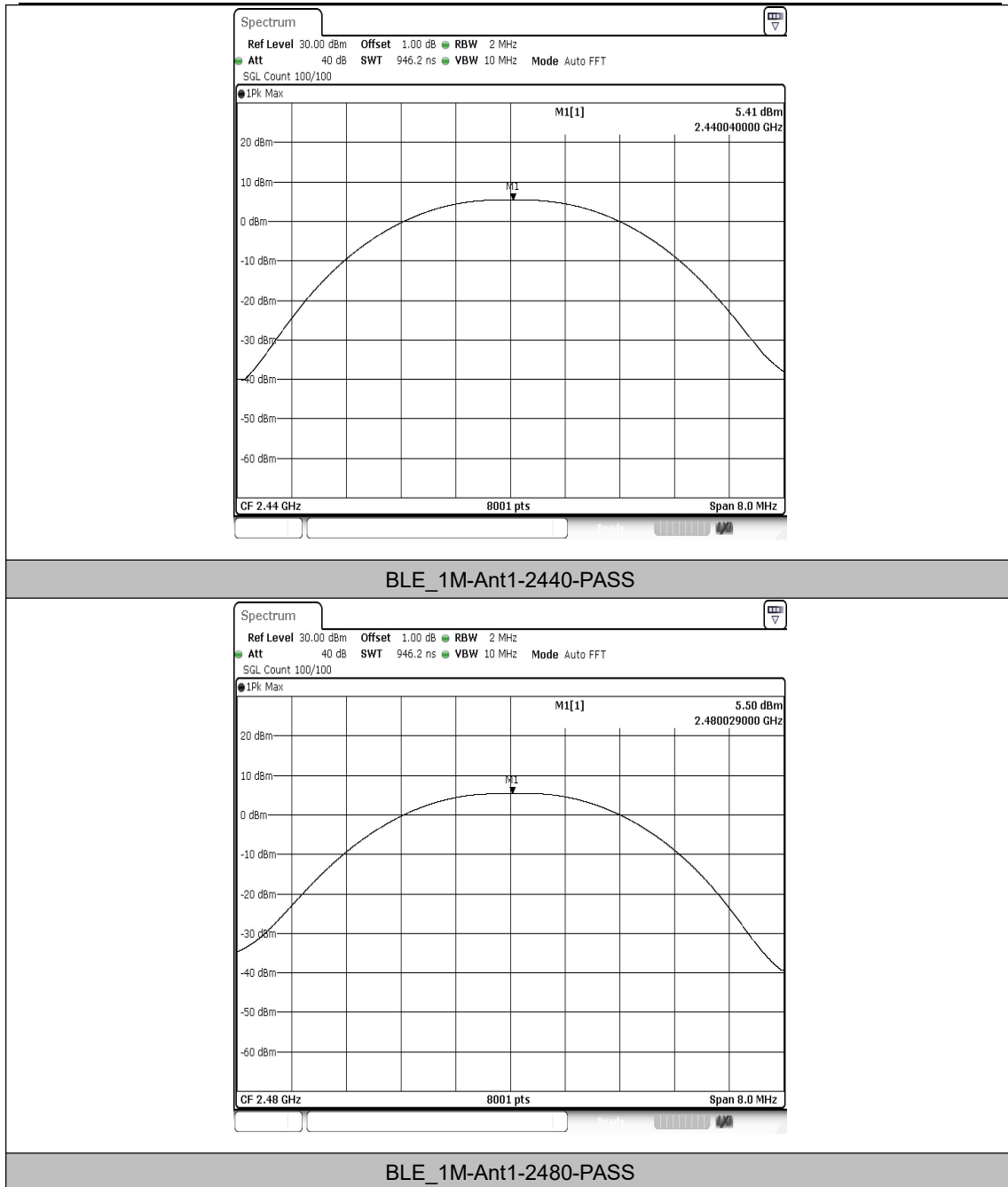
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	5.32	≤30	PASS
BLE_1M	Ant1	2440	5.41	≤30	PASS
BLE_1M	Ant1	2480	5.50	≤30	PASS

Test Graphs Peak





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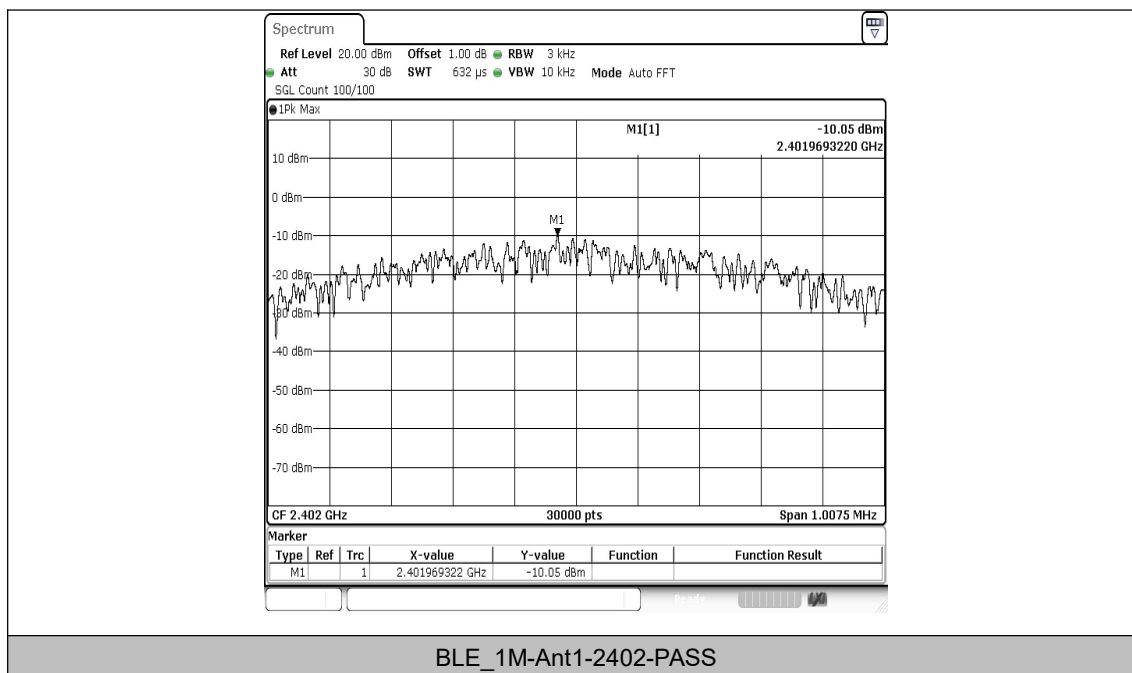
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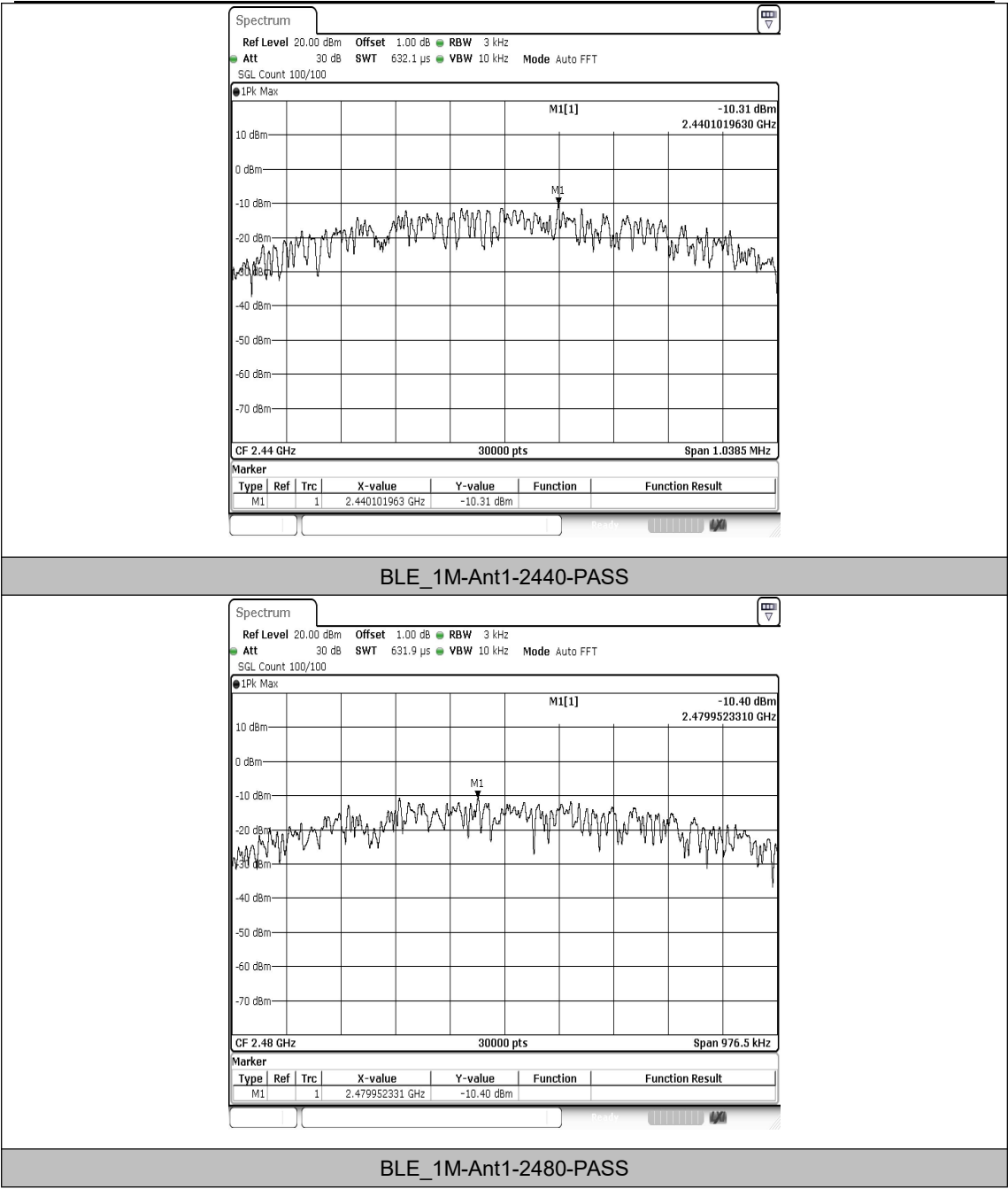
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-10.05	≤8.00	PASS
BLE_1M	Ant1	2440	-10.31	≤8.00	PASS
BLE_1M	Ant1	2480	-10.40	≤8.00	PASS

Test Graphs





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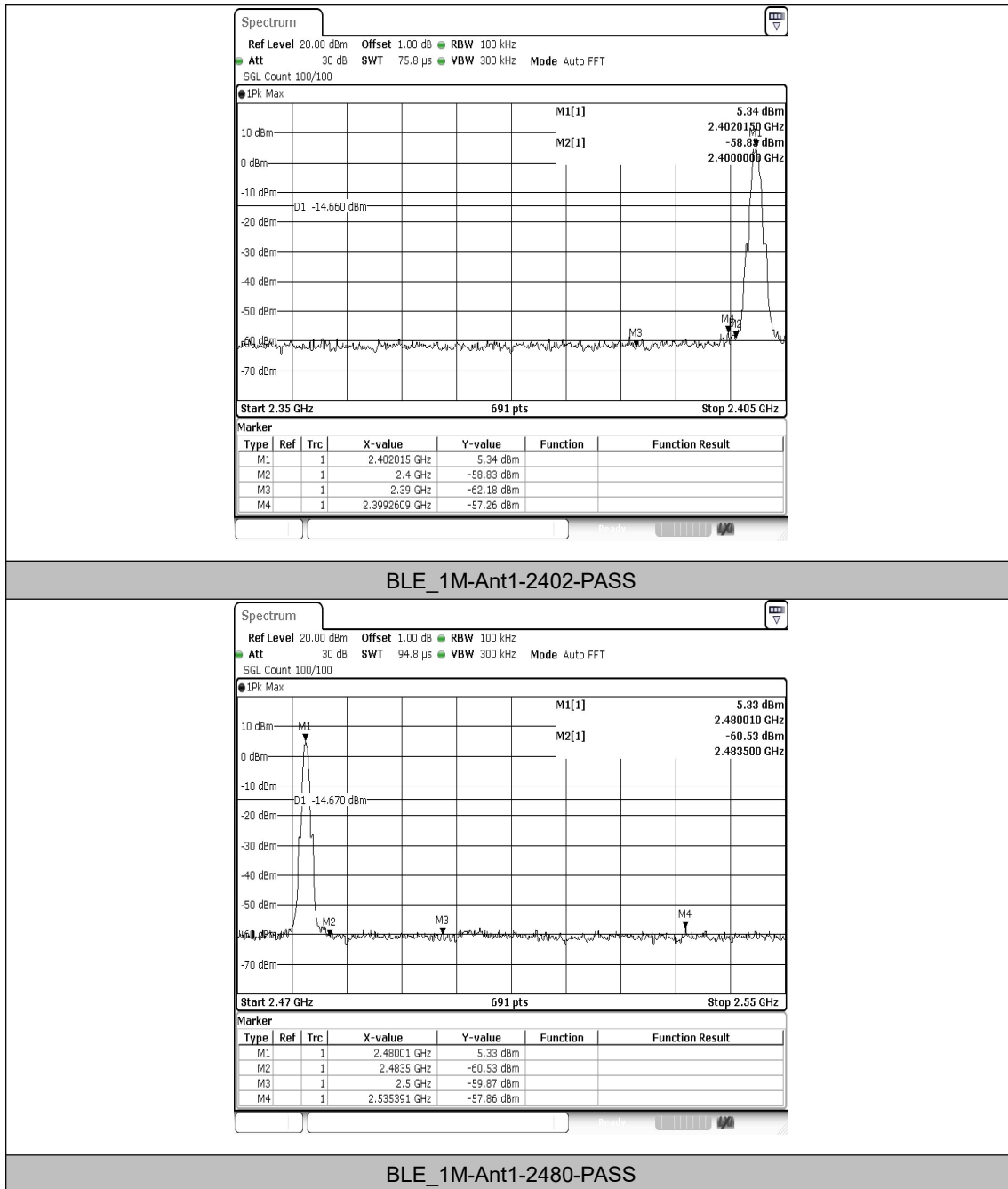
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	5.34	-57.26	≤-14.66	PASS
BLE_1M	Ant1	High	2480	5.33	-57.86	≤-14.67	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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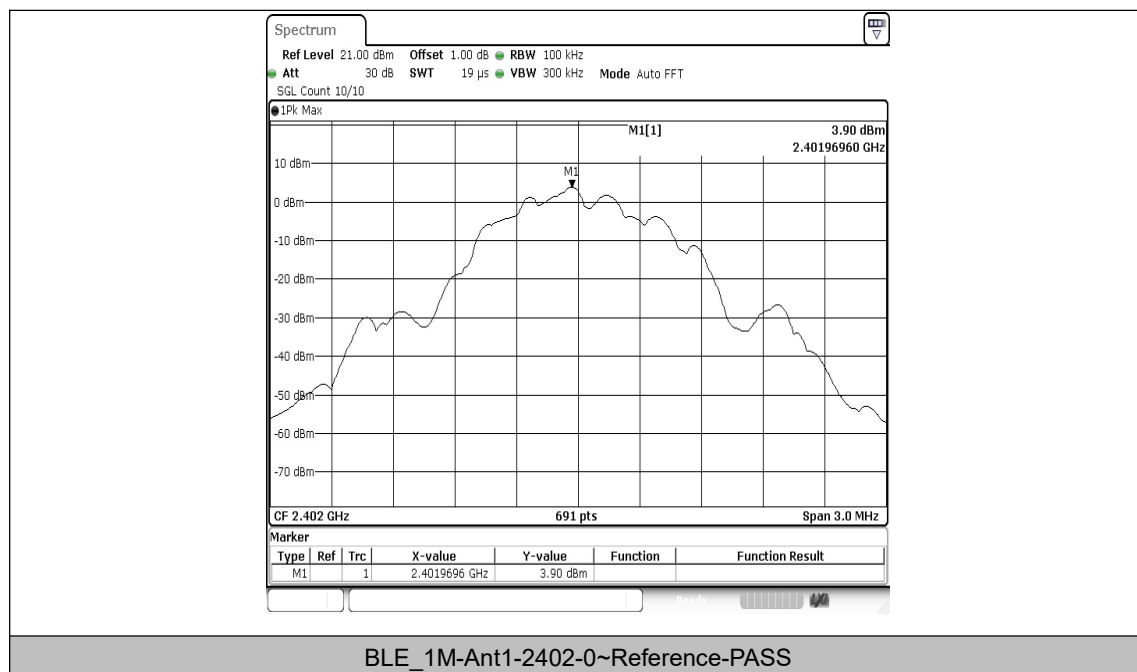
Appendix F: Conducted Spurious Emission

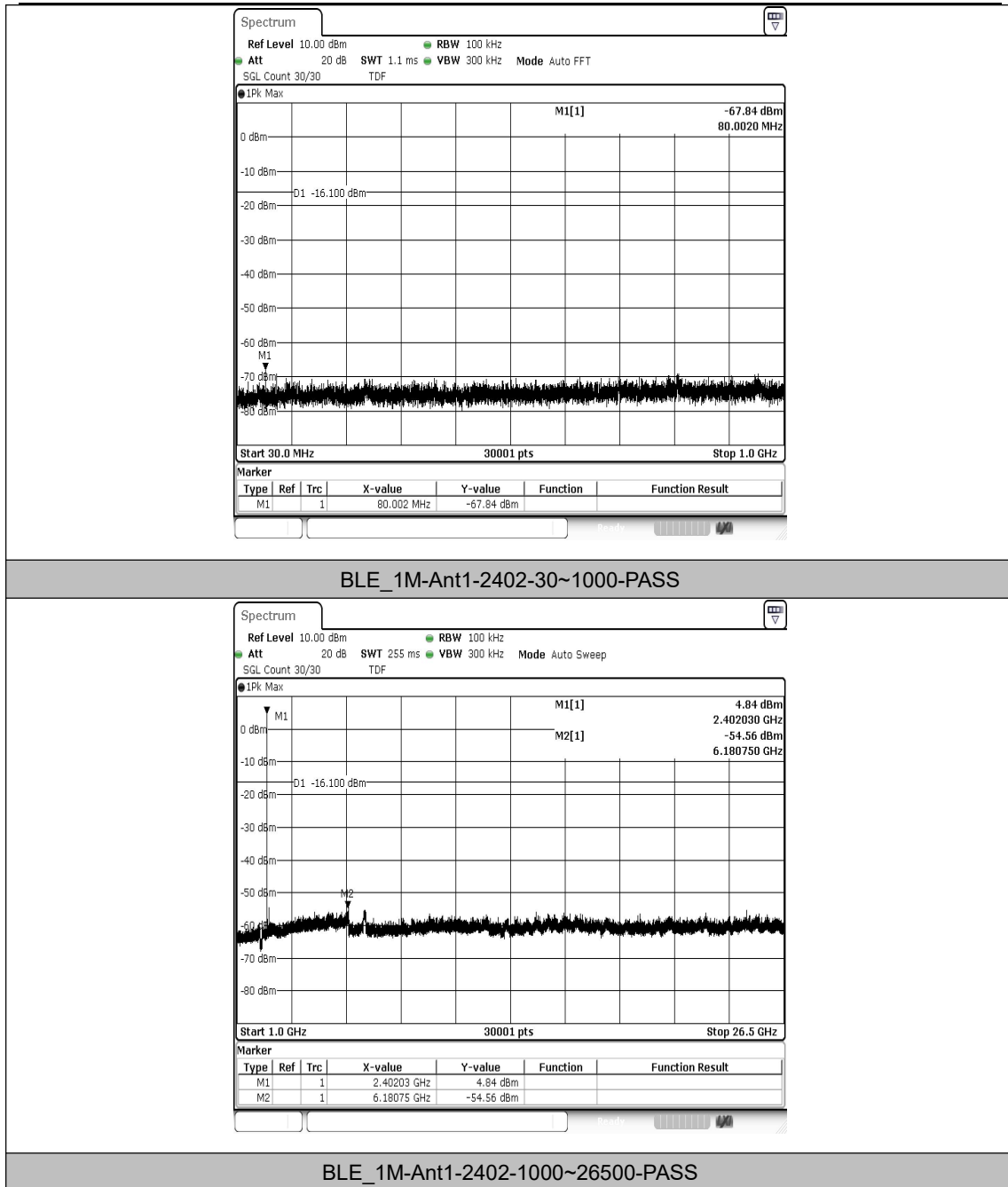
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	3.90	3.90	---	PASS
BLE_1M	Ant1	2402	30~1000	3.90	-67.84	≤-16.1	PASS
BLE_1M	Ant1	2402	1000~26500	3.90	-54.56	≤-16.1	PASS
BLE_1M	Ant1	2440	0~Reference	3.86	3.86	---	PASS
BLE_1M	Ant1	2440	30~1000	3.86	-68.39	≤-16.14	PASS
BLE_1M	Ant1	2440	1000~26500	3.86	-55.04	≤-16.14	PASS
BLE_1M	Ant1	2480	0~Reference	2.38	2.38	---	PASS
BLE_1M	Ant1	2480	30~1000	2.38	-68.06	≤-17.62	PASS
BLE_1M	Ant1	2480	1000~26500	2.38	-54.71	≤-17.62	PASS

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

Test Graphs

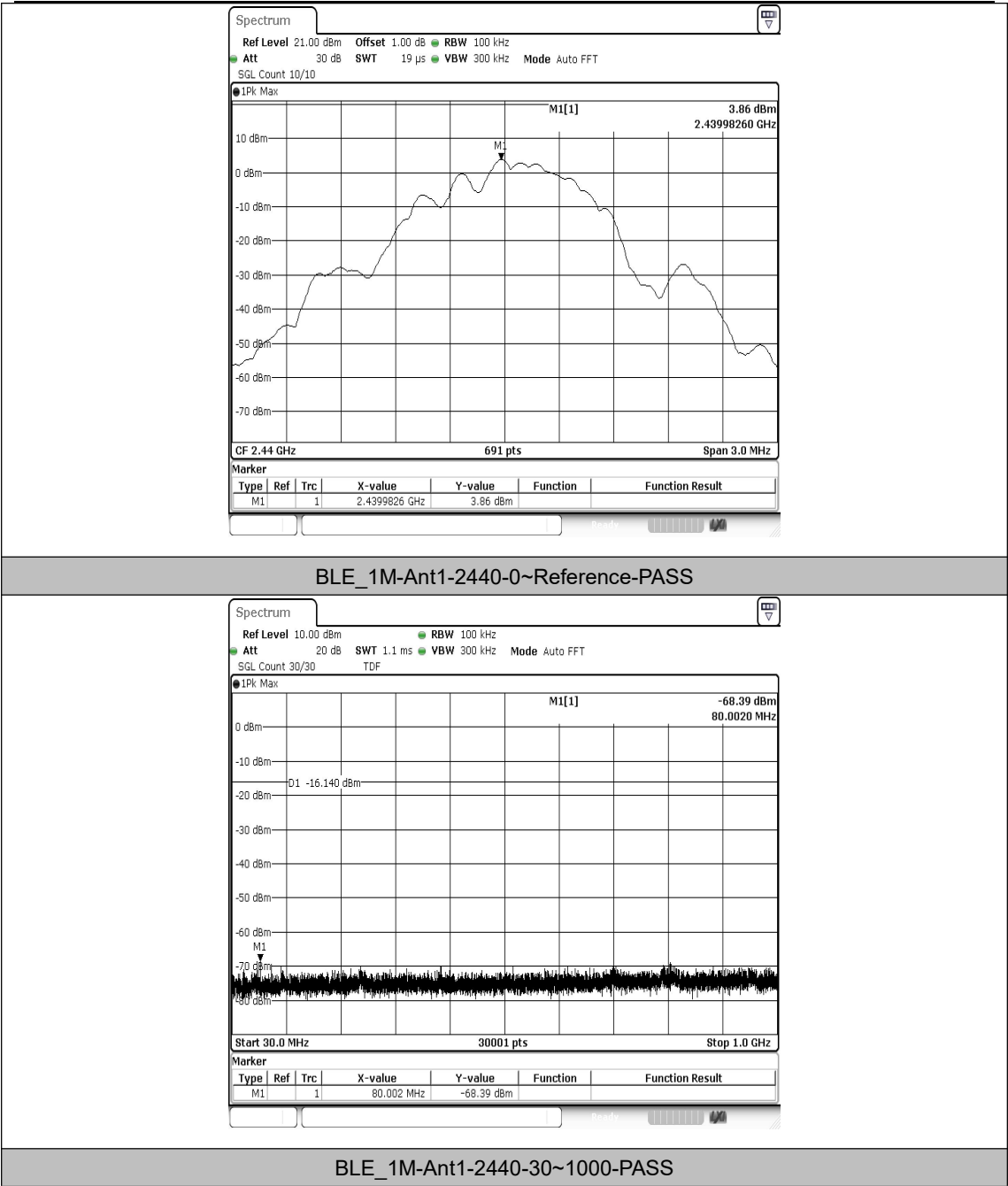




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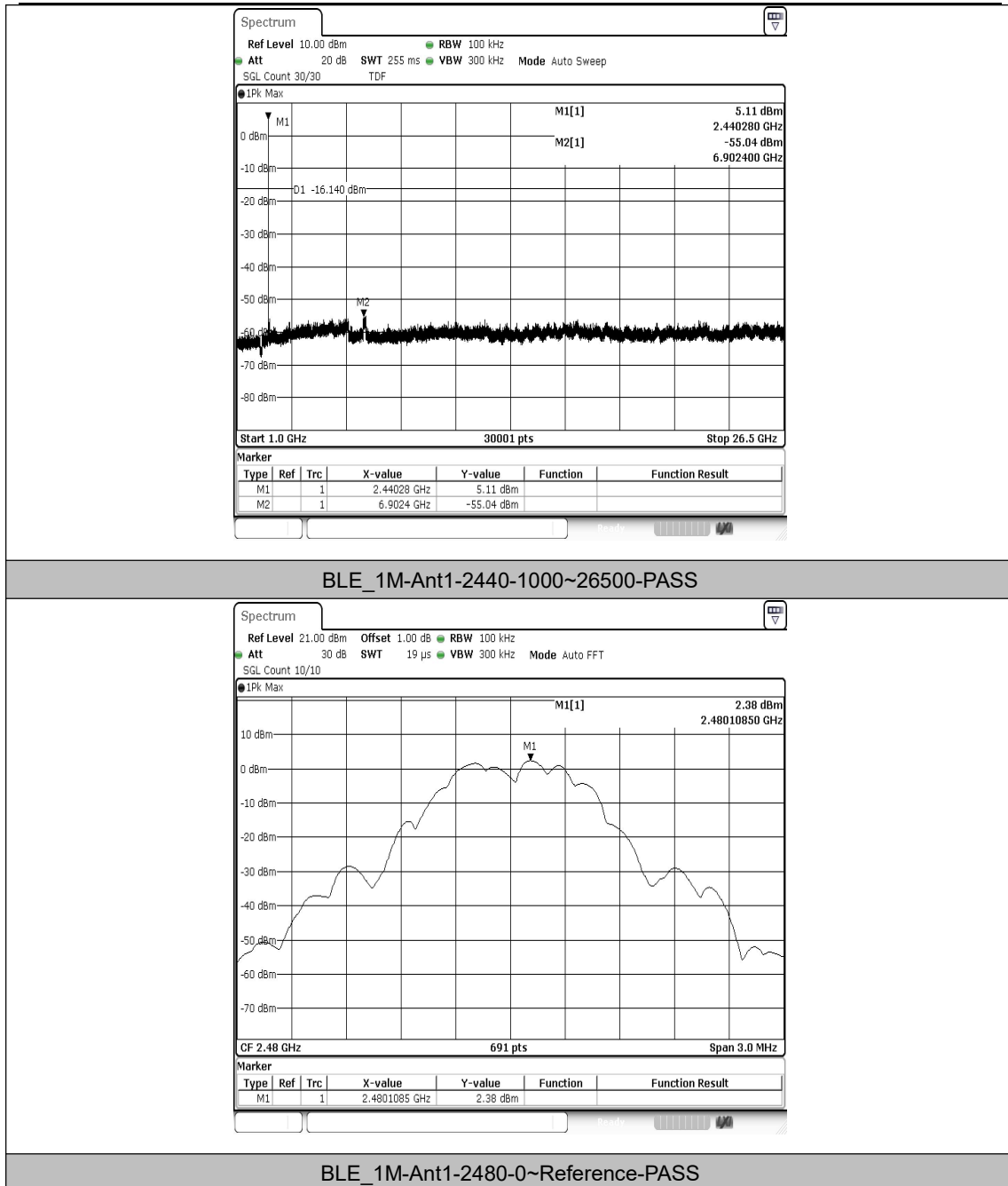
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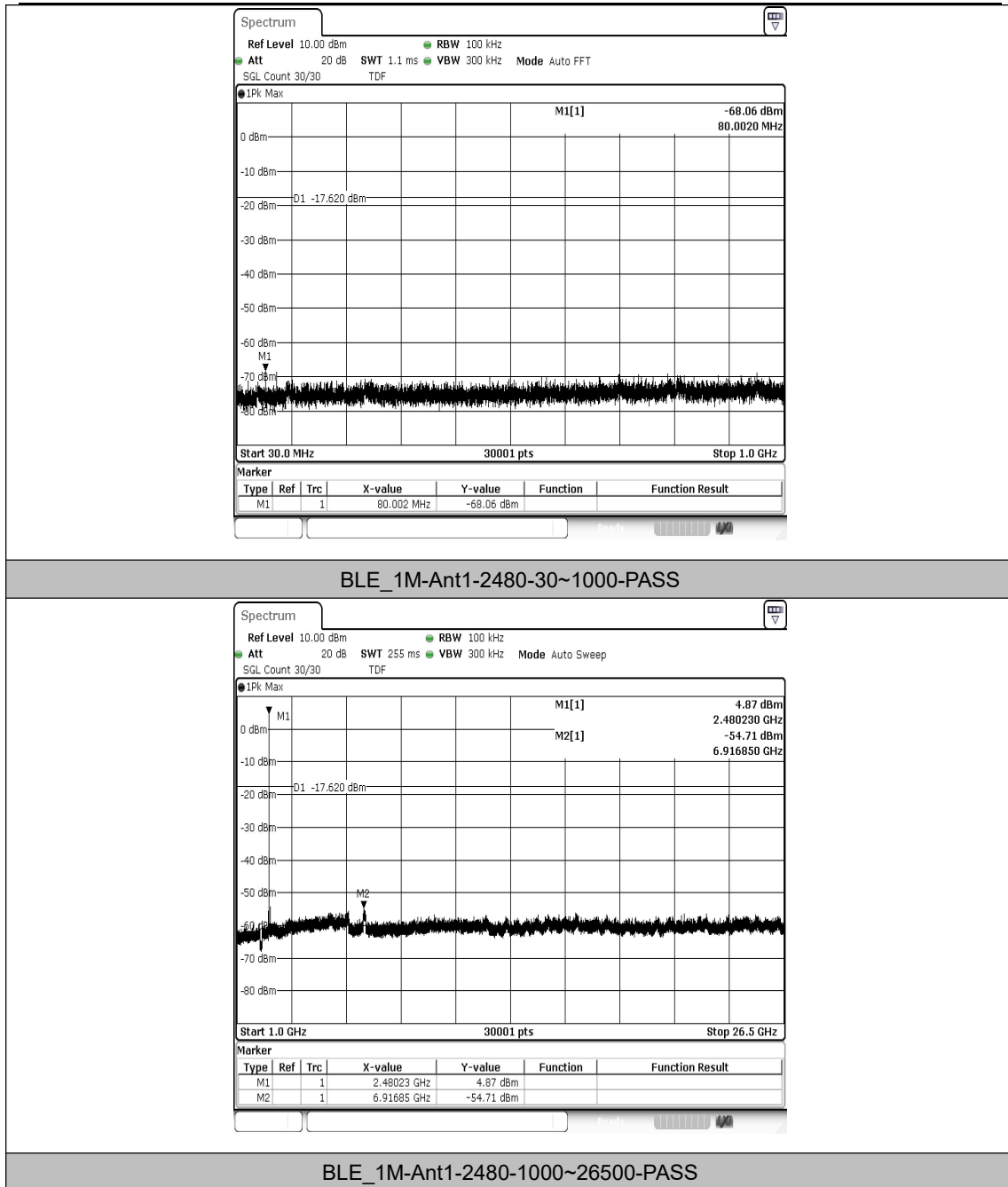
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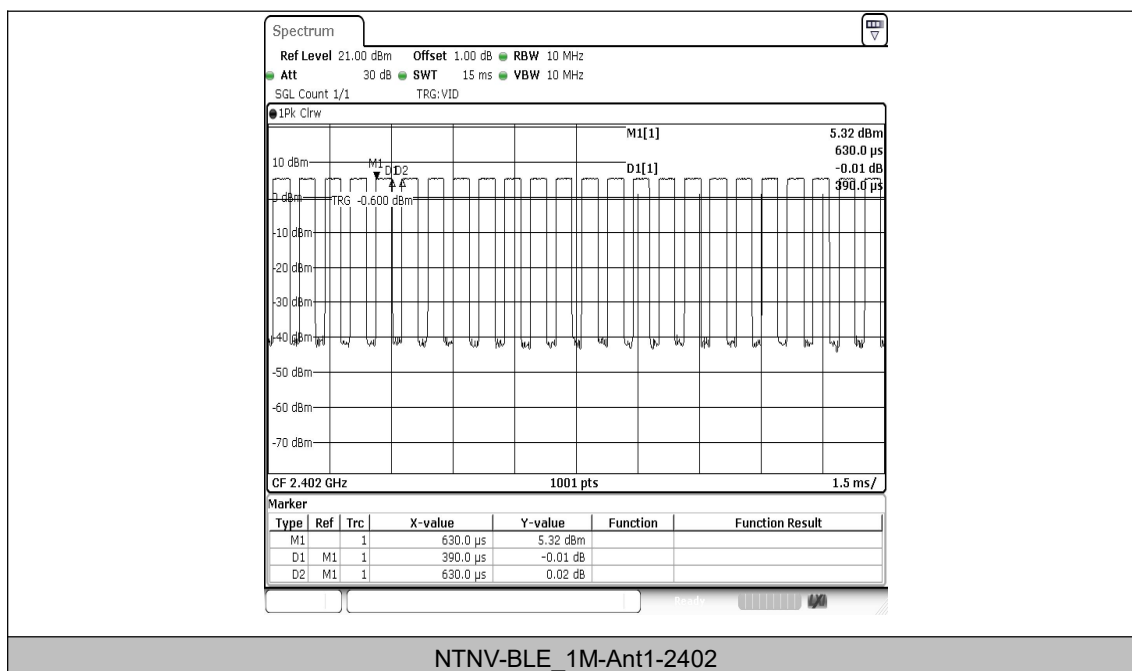
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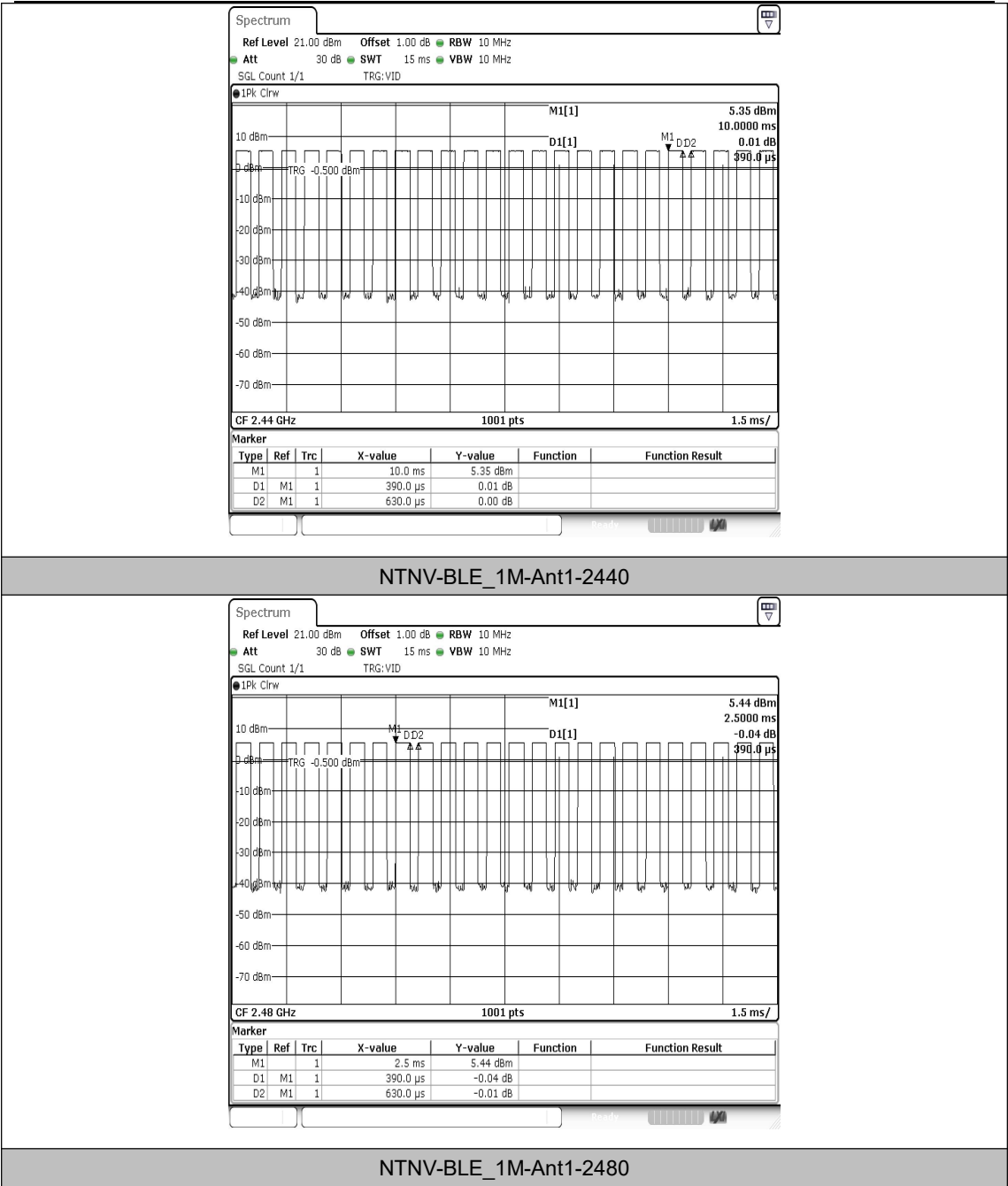
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.39	0.63	61.90	2.08
BLE_1M	Ant1	2440	0.39	0.63	61.90	2.08
BLE_1M	Ant1	2480	0.39	0.63	61.90	2.08

Test Graphs





---End---