

Appendix Test Data

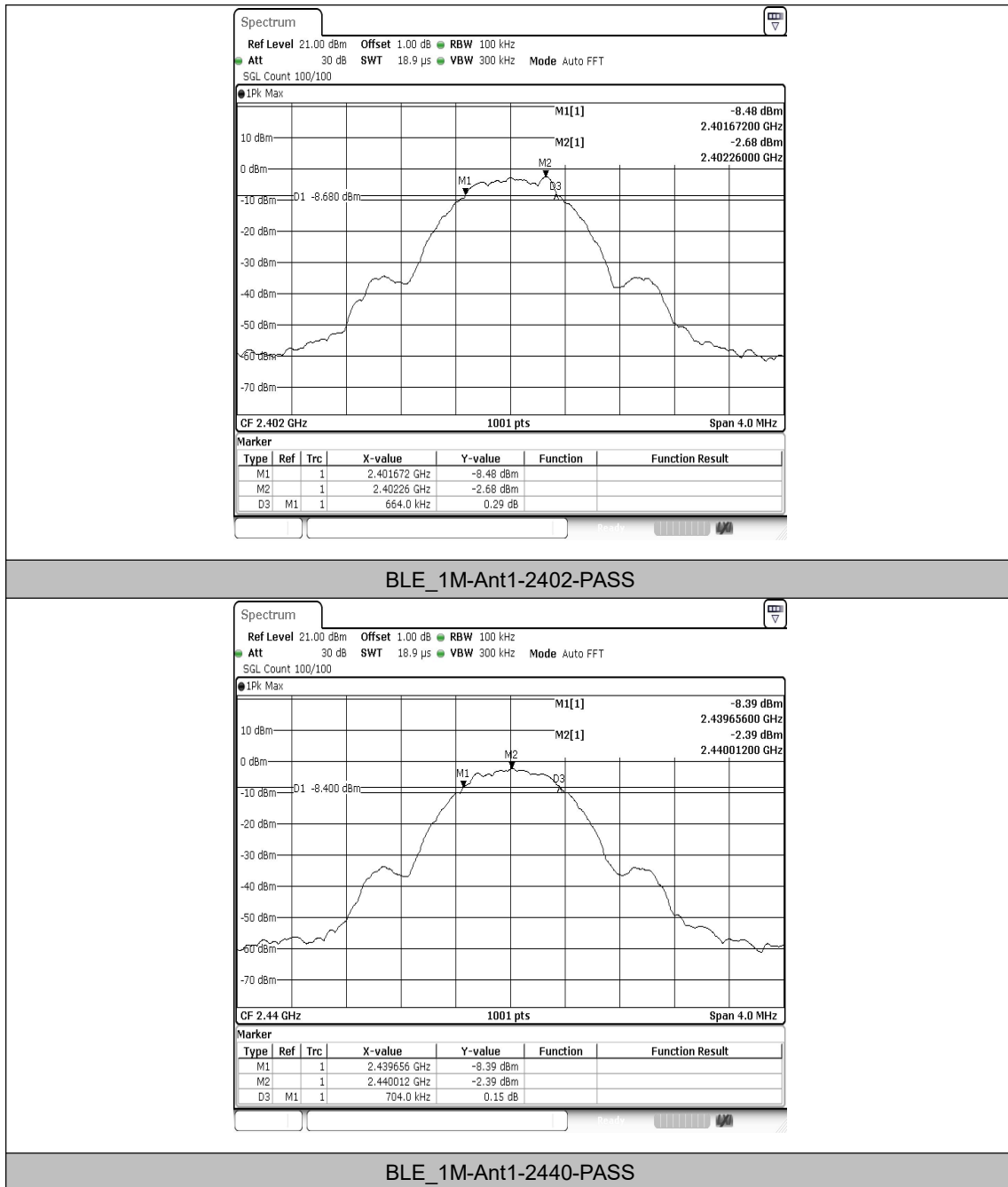
Report No.:	1813C50226712501	Test Sample No.:	1-2-2
Start Test Date:	2025-5-27	Finish Test Date:	2025-6-4
Test Engineer:	Hansen Guan	Auditor:	Justin Feng
Temperature:	26.1°C	Relative Humidity:	48%
Pressure:	101kPa		

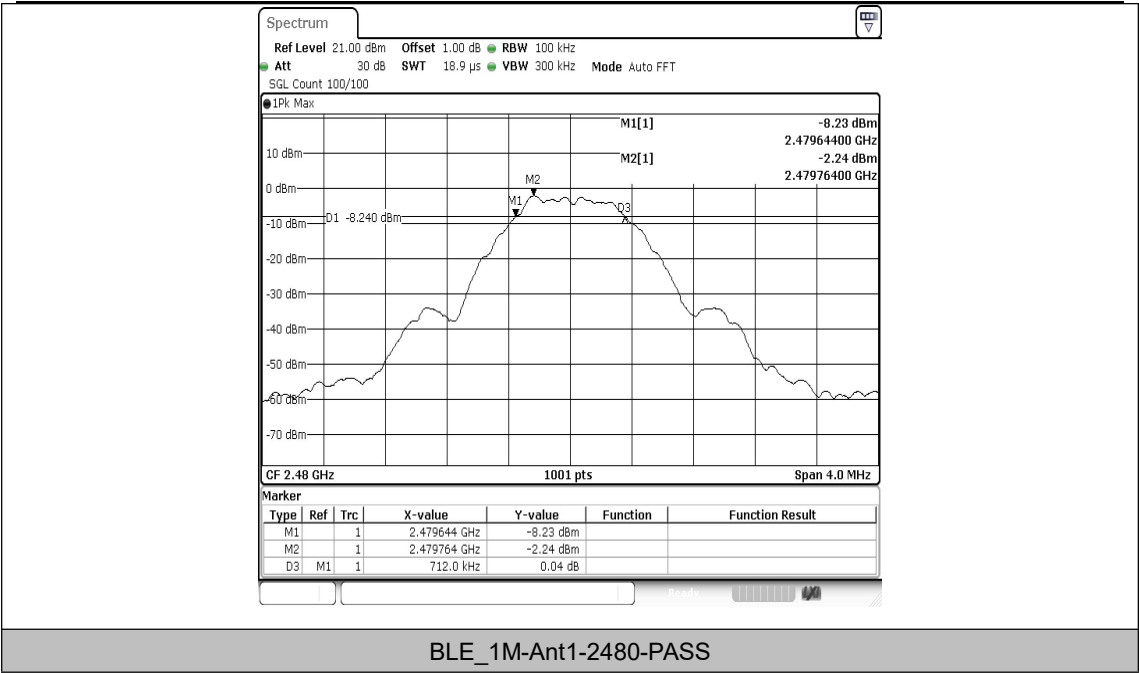
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.66	2401.67	2402.34	0.5	PASS
BLE_1M	Ant1	2440	0.70	2439.66	2440.36	0.5	PASS
BLE_1M	Ant1	2480	0.71	2479.64	2480.36	0.5	PASS

Test Graphs





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Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
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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	1.0150	2401.5045	2402.5195	---	---
BLE_1M	Ant1	2440	1.0110	2439.5045	2440.5155	---	---
BLE_1M	Ant1	2480	1.0270	2479.4965	2480.5235	---	---

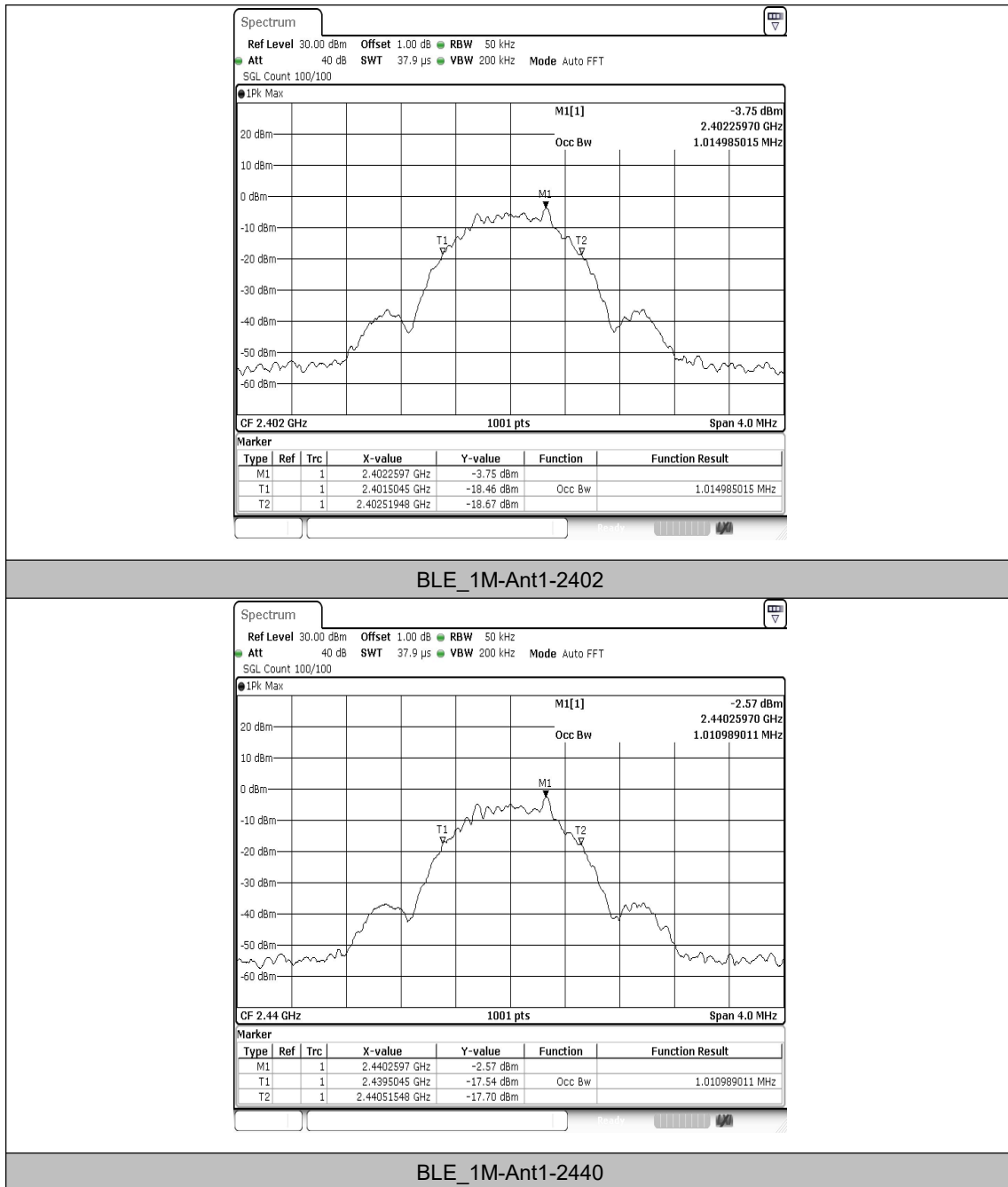
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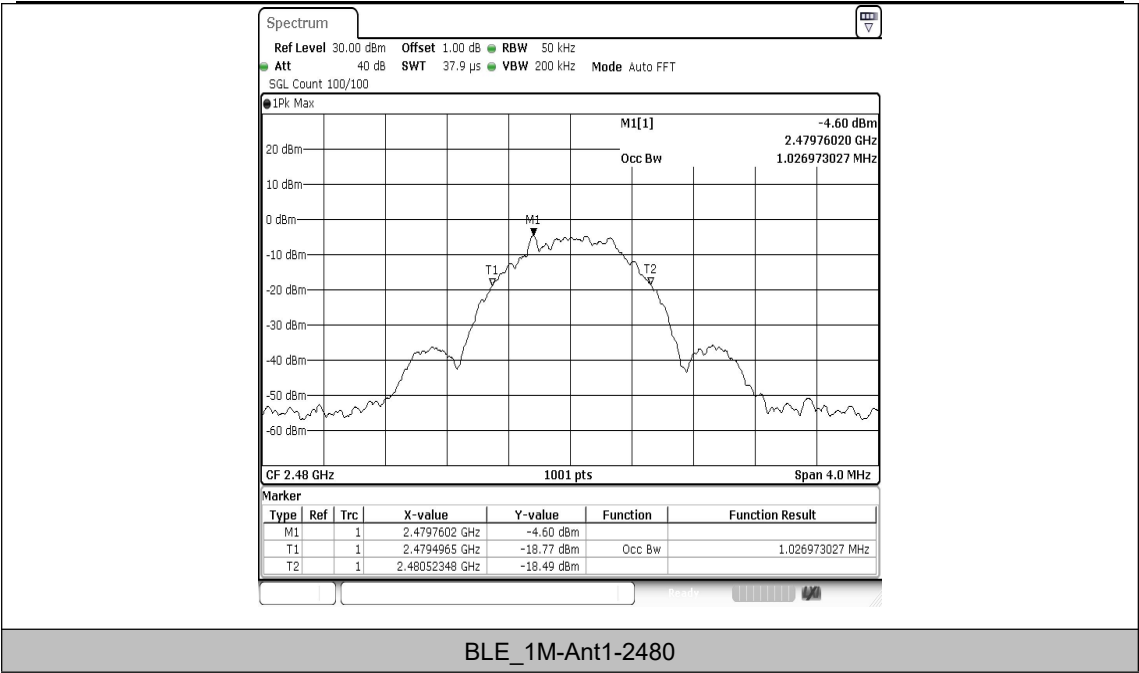
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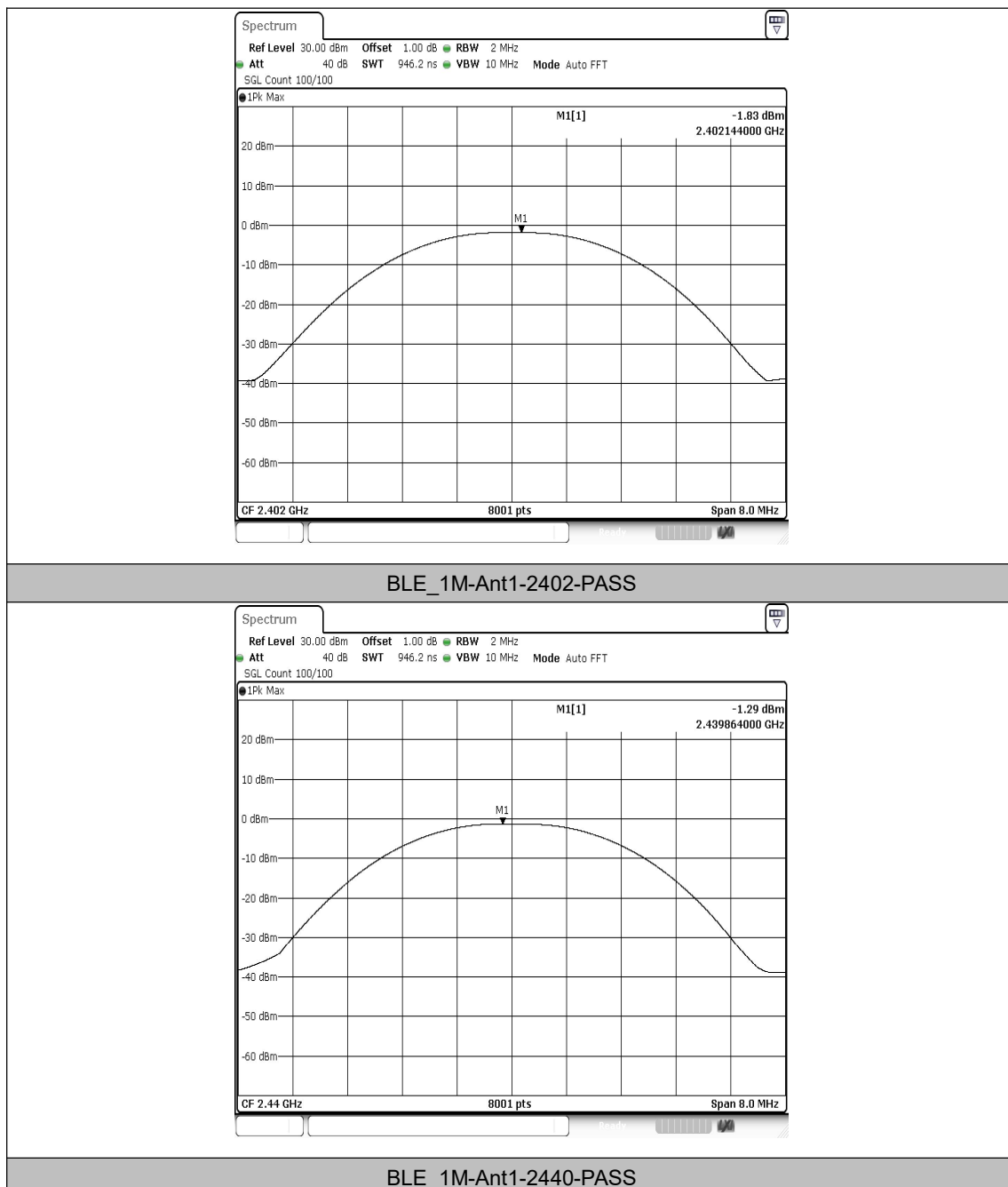
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Appendix C: Maximum conducted output power

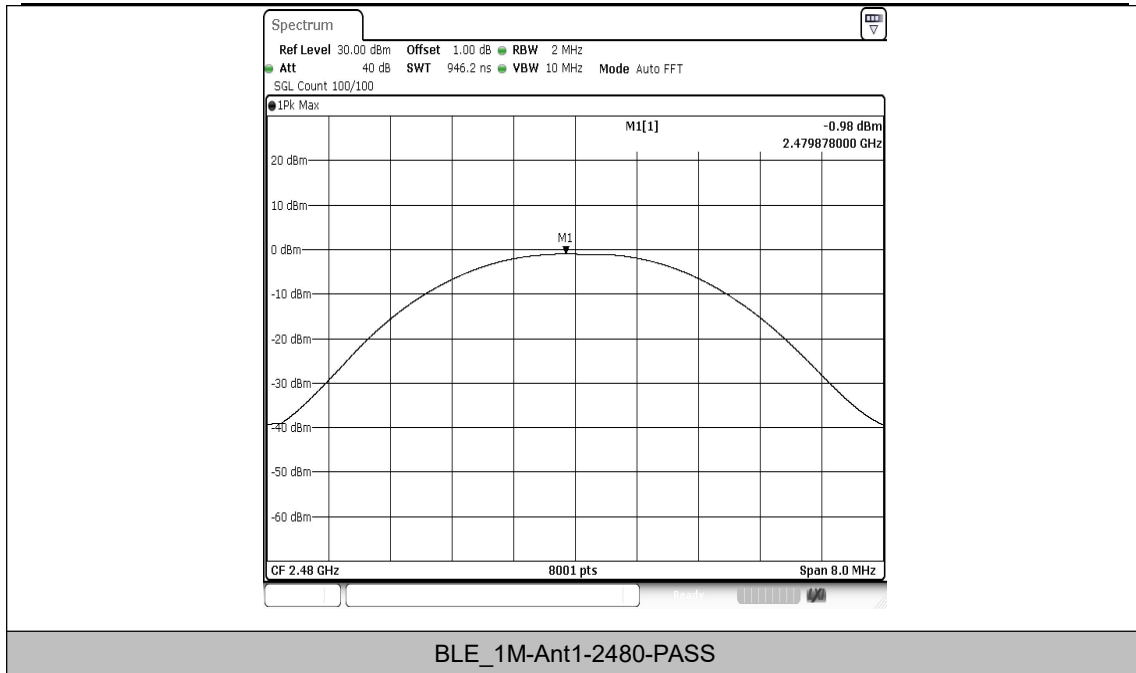
Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.83	≤30	PASS
BLE_1M	Ant1	2440	-1.29	≤30	PASS
BLE_1M	Ant1	2480	-0.98	≤30	PASS

Test Graphs Peak



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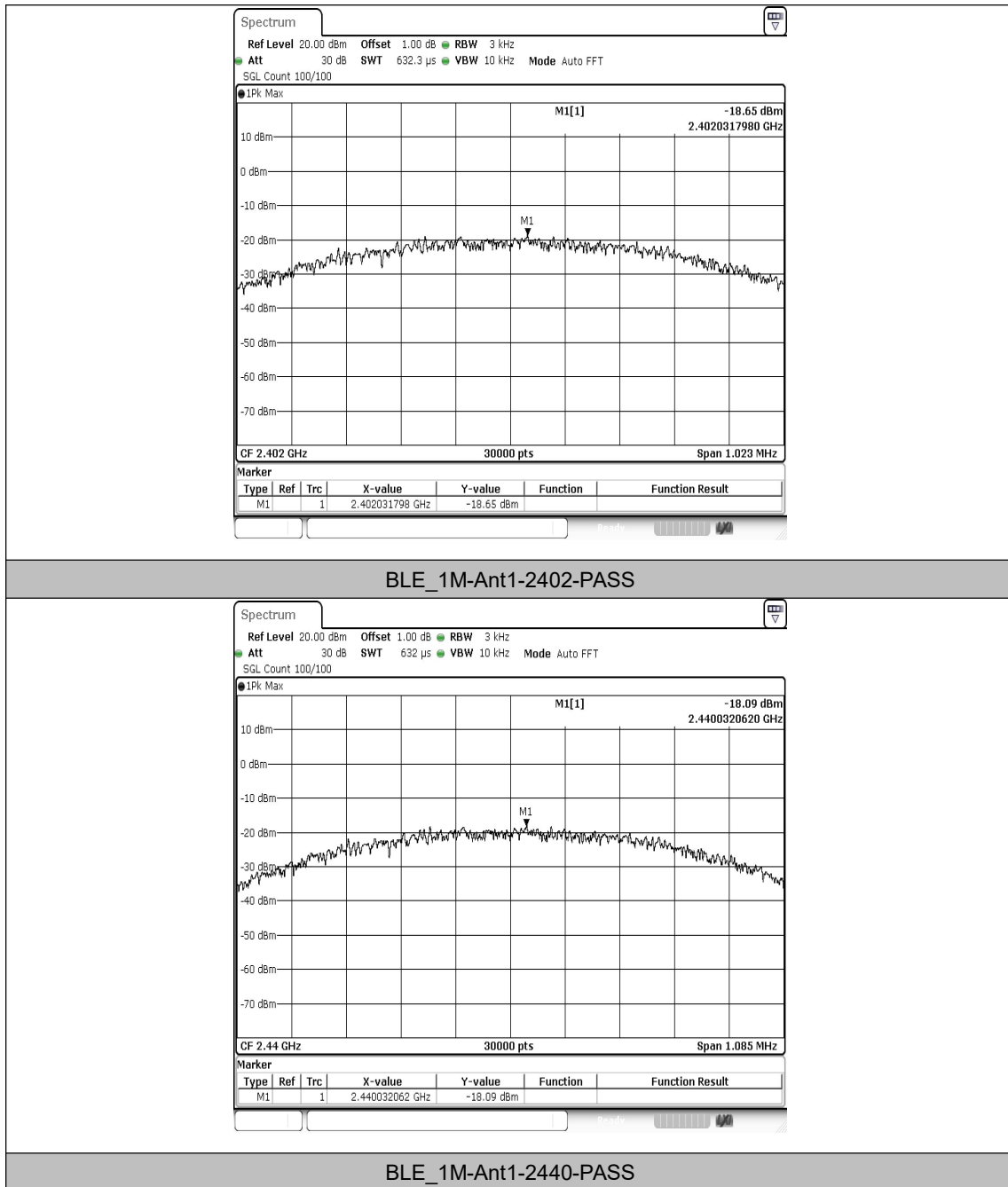
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.65	≤8.00	PASS
BLE_1M	Ant1	2440	-18.09	≤8.00	PASS
BLE_1M	Ant1	2480	-17.79	≤8.00	PASS

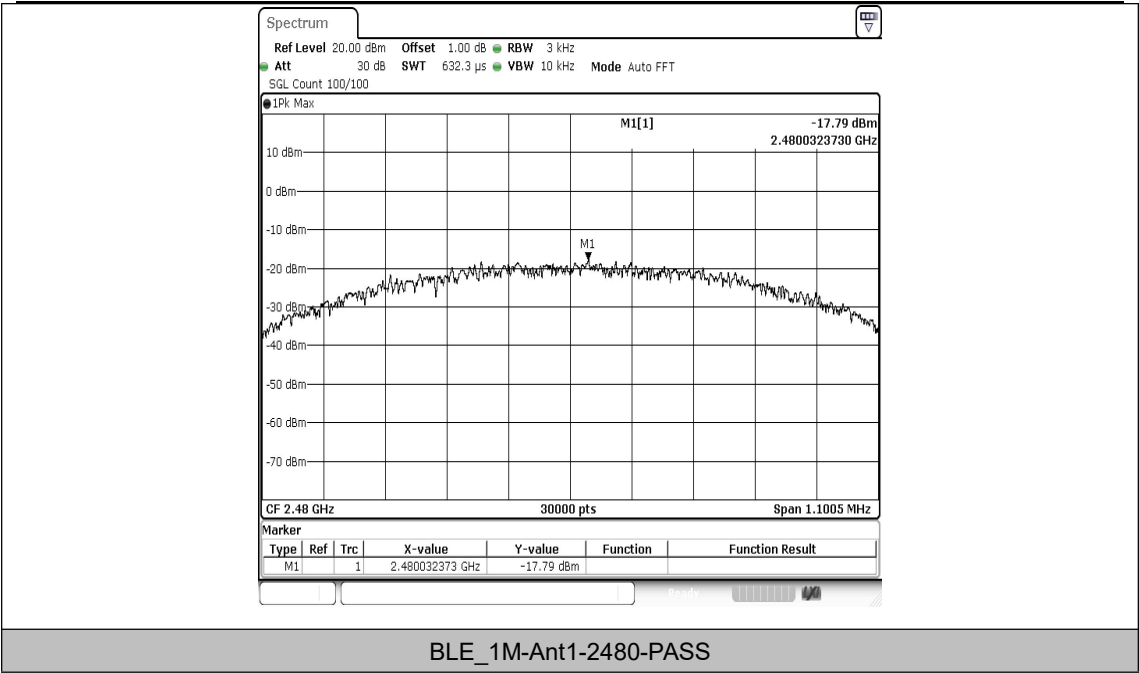
Test Graphs



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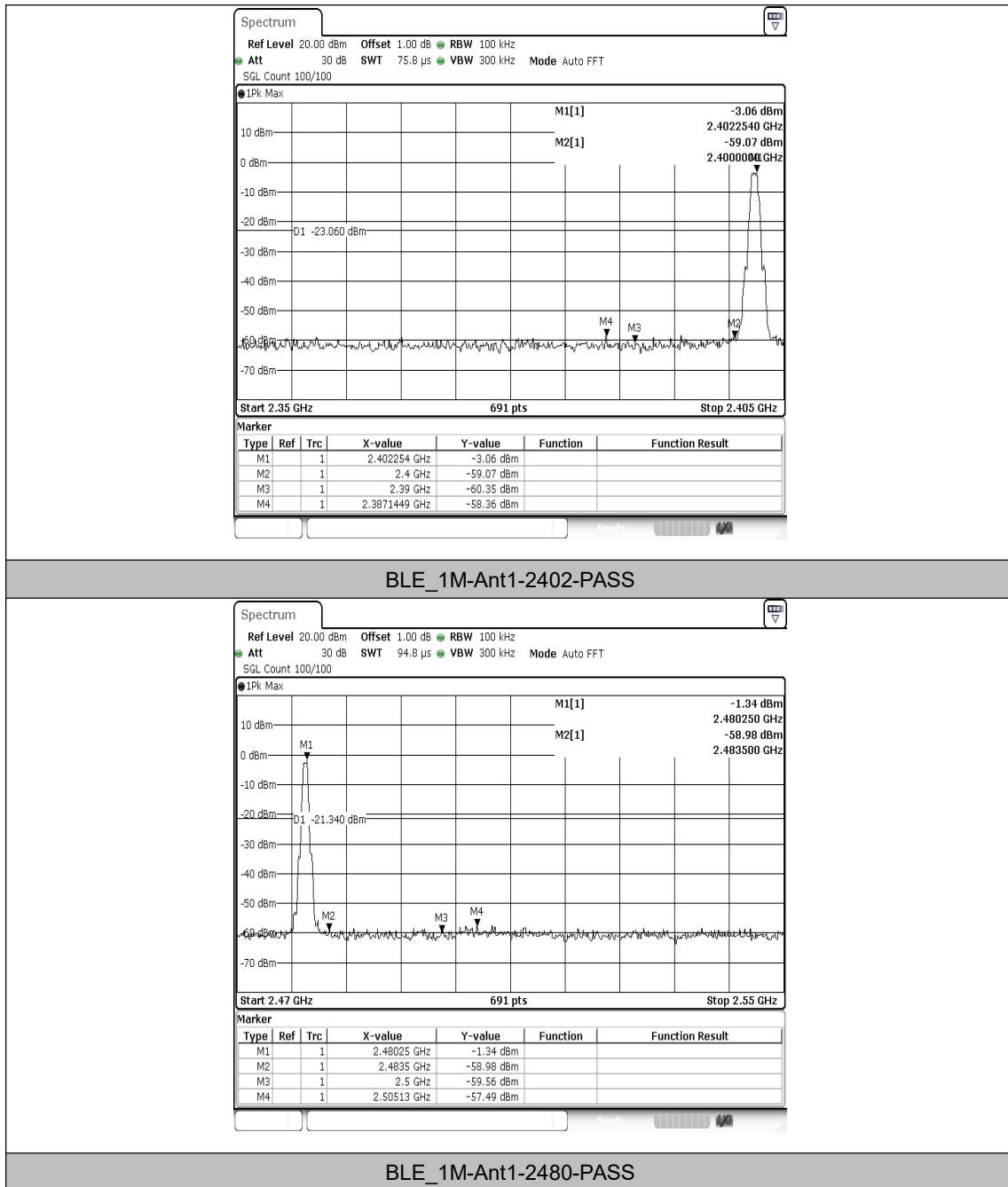
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Frequency [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-3.06	-58.36	≤-23.06	PASS
BLE_1M	Ant1	High	2480	-1.34	-57.49	≤-21.34	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



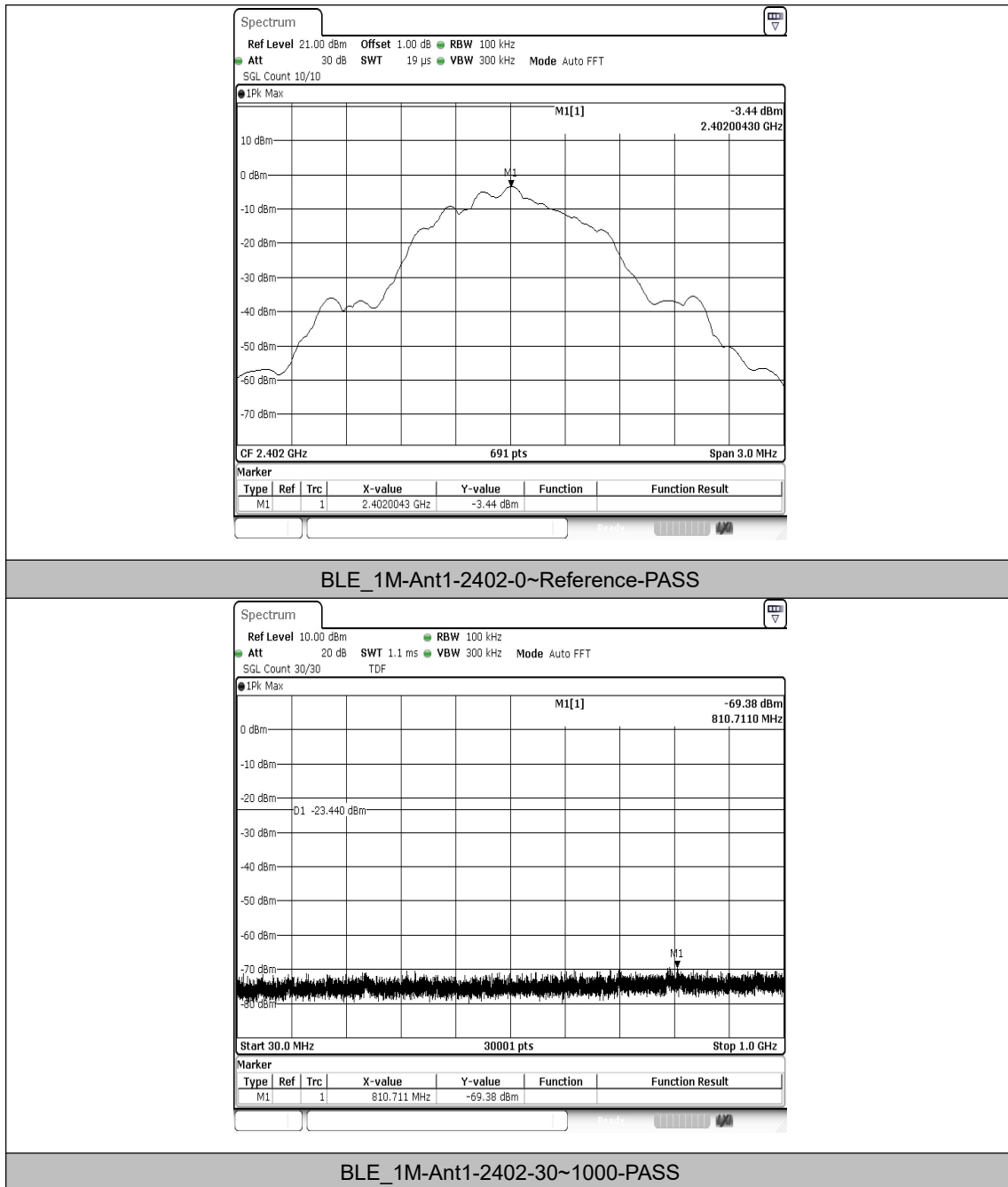
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-3.44	-3.44	---	PASS
BLE_1M	Ant1	2402	30~1000	-3.44	-69.38	≤-23.44	PASS
BLE_1M	Ant1	2402	1000~26500	-3.44	-54.87	≤-23.44	PASS
BLE_1M	Ant1	2440	0~Reference	-3.27	-3.27	---	PASS
BLE_1M	Ant1	2440	30~1000	-3.27	-69.15	≤-23.27	PASS
BLE_1M	Ant1	2440	1000~26500	-3.27	-54.95	≤-23.27	PASS
BLE_1M	Ant1	2480	0~Reference	-2.57	-2.57	---	PASS
BLE_1M	Ant1	2480	30~1000	-2.57	-68.7	≤-22.57	PASS
BLE_1M	Ant1	2480	1000~26500	-2.57	-55.36	≤-22.57	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.

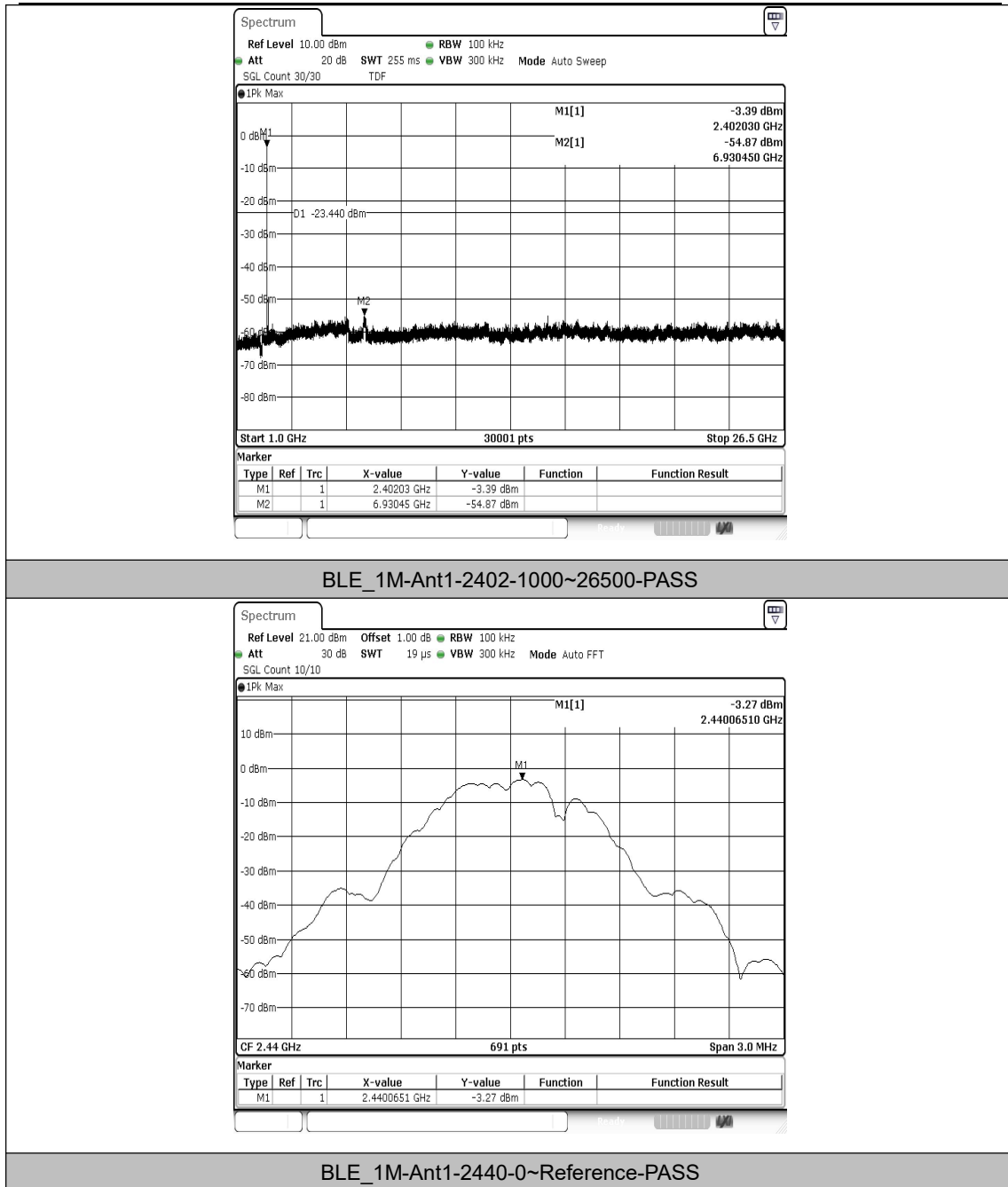
Test Graphs



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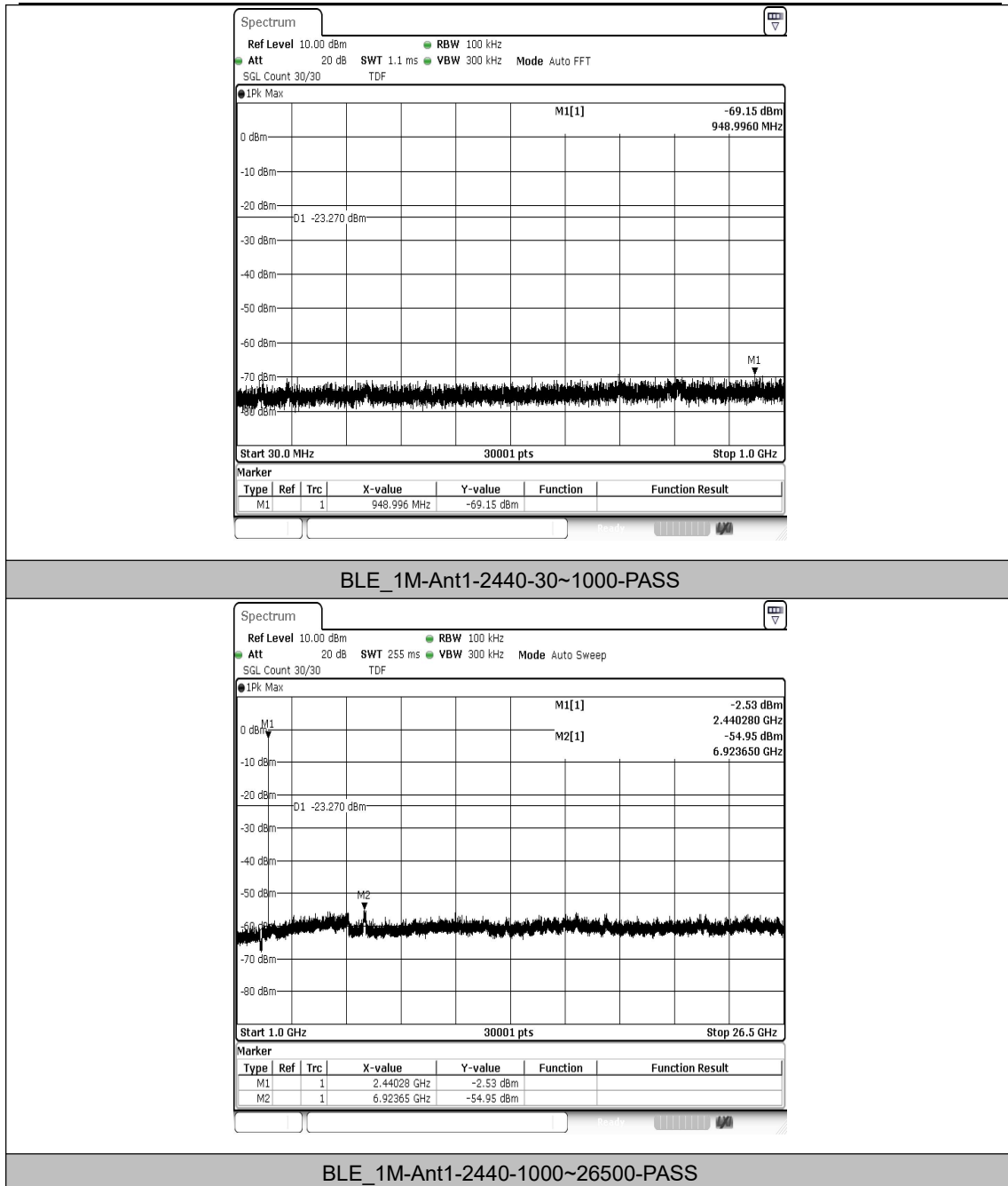
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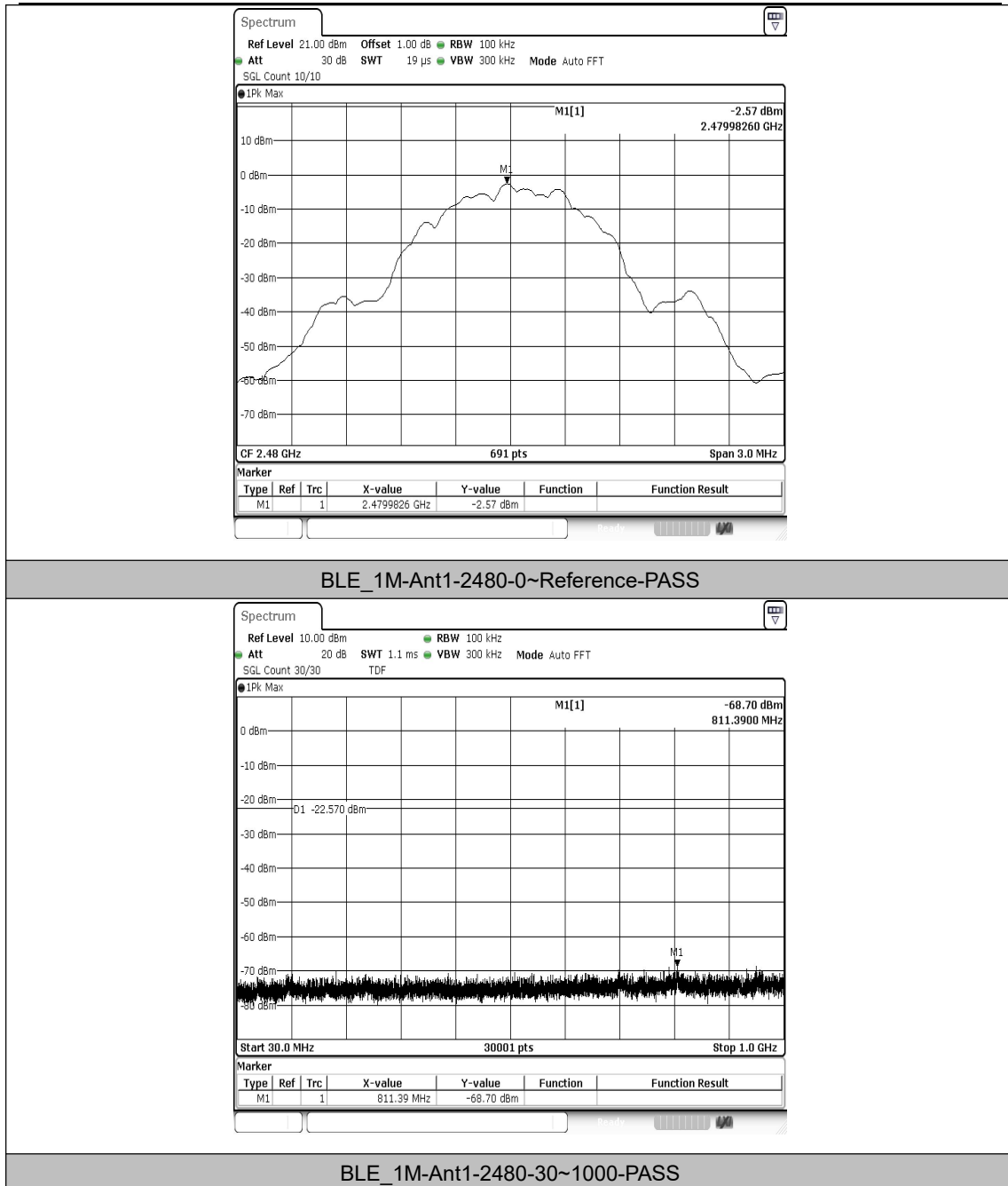
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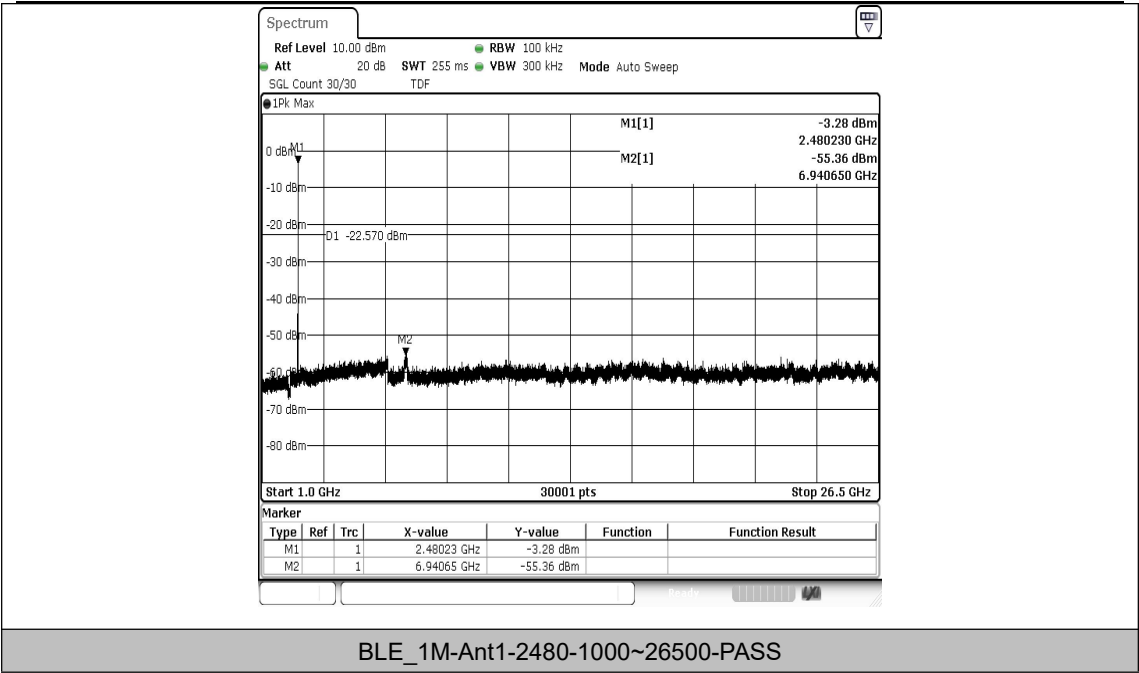
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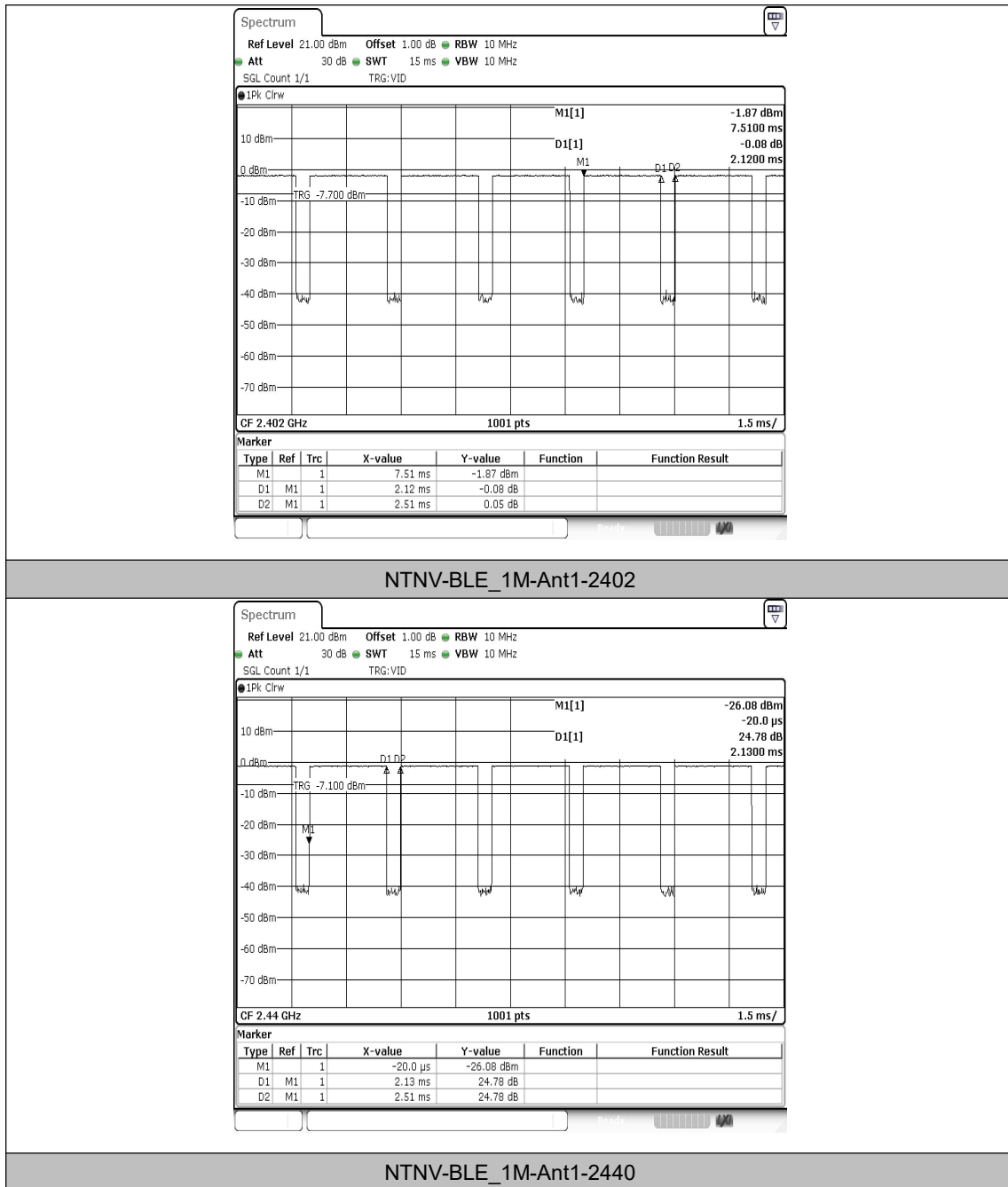
Appendix G: Duty Cycle

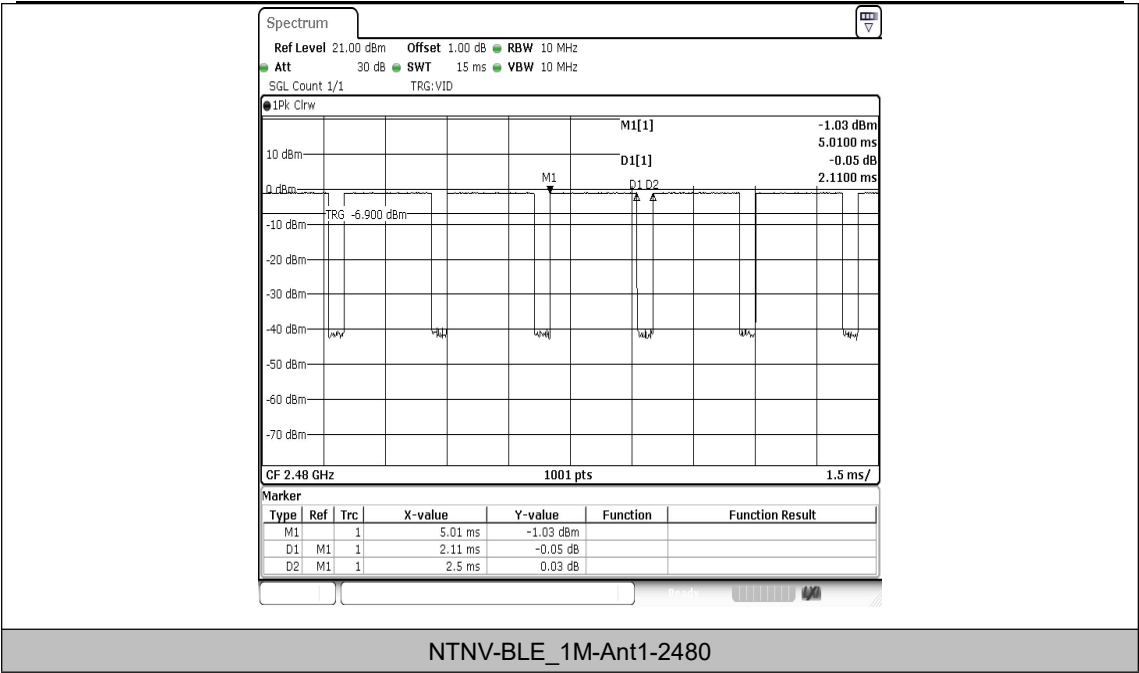
Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.12	2.51	84.46	0.73
BLE_1M	Ant1	2440	2.13	2.51	84.86	0.71
BLE_1M	Ant1	2480	2.11	2.50	84.40	0.74



Test Graphs





---End---