

Appendix Test Data

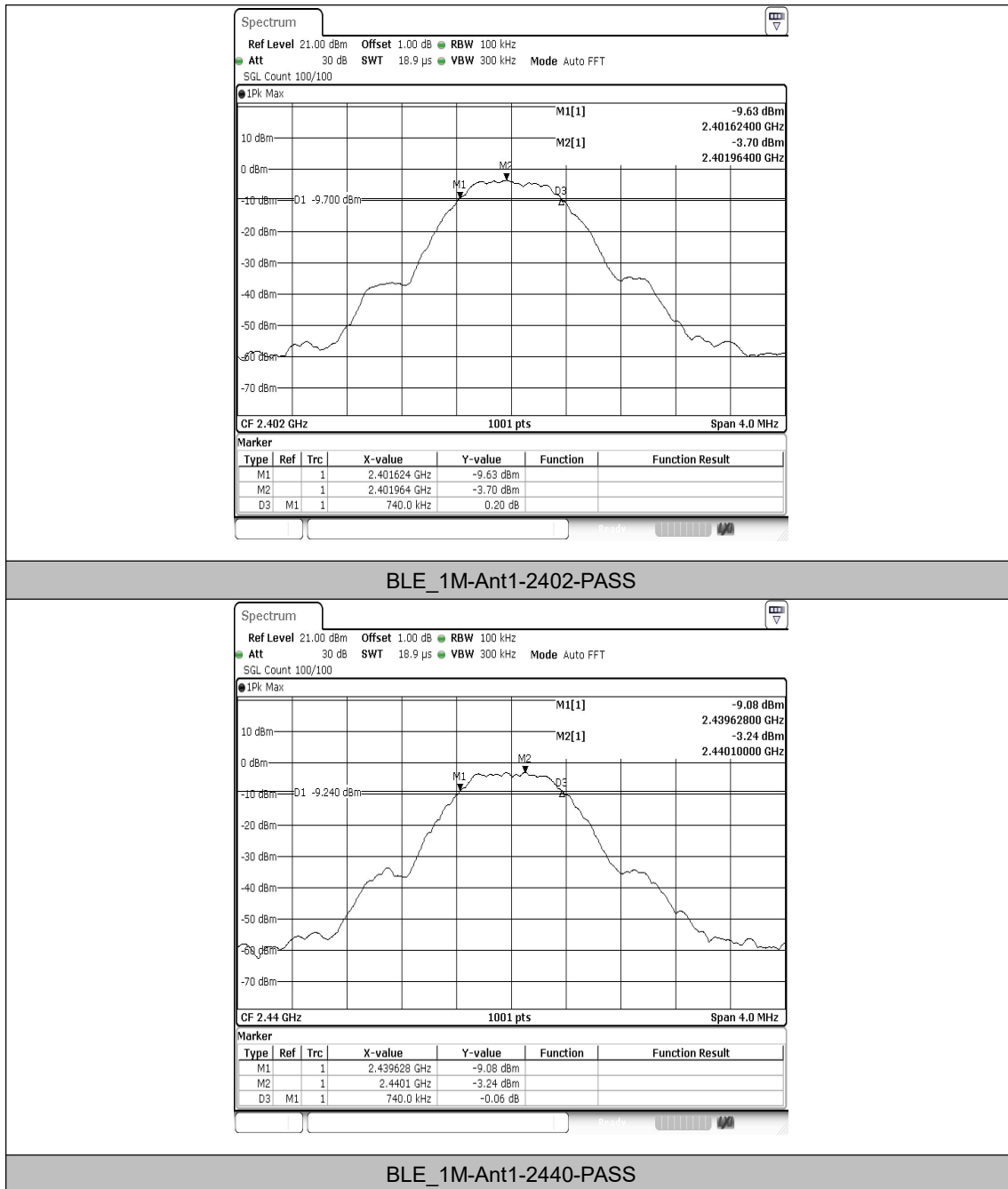
Report No.:	1813C50315912502	Test Sample No.:	1-2-2
Start Test Date:	2025-7-14	Finish Test Date:	2025-8-6
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	26.2°C	Relative Humidity:	55%
Pressure:	101kPa		

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	0.74	2401.62	2402.36	0.5	PASS
BLE_1M	Ant1	2440	0.74	2439.63	2440.37	0.5	PASS
BLE_1M	Ant1	2480	0.70	2479.65	2480.35	0.5	PASS

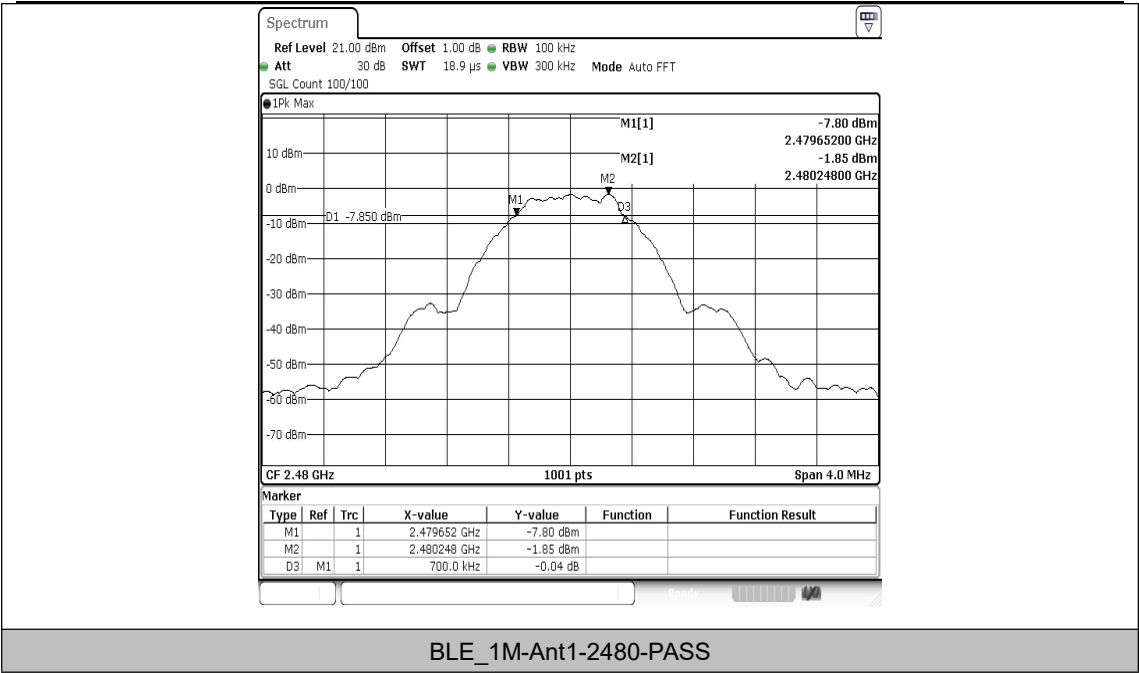
Test Graphs



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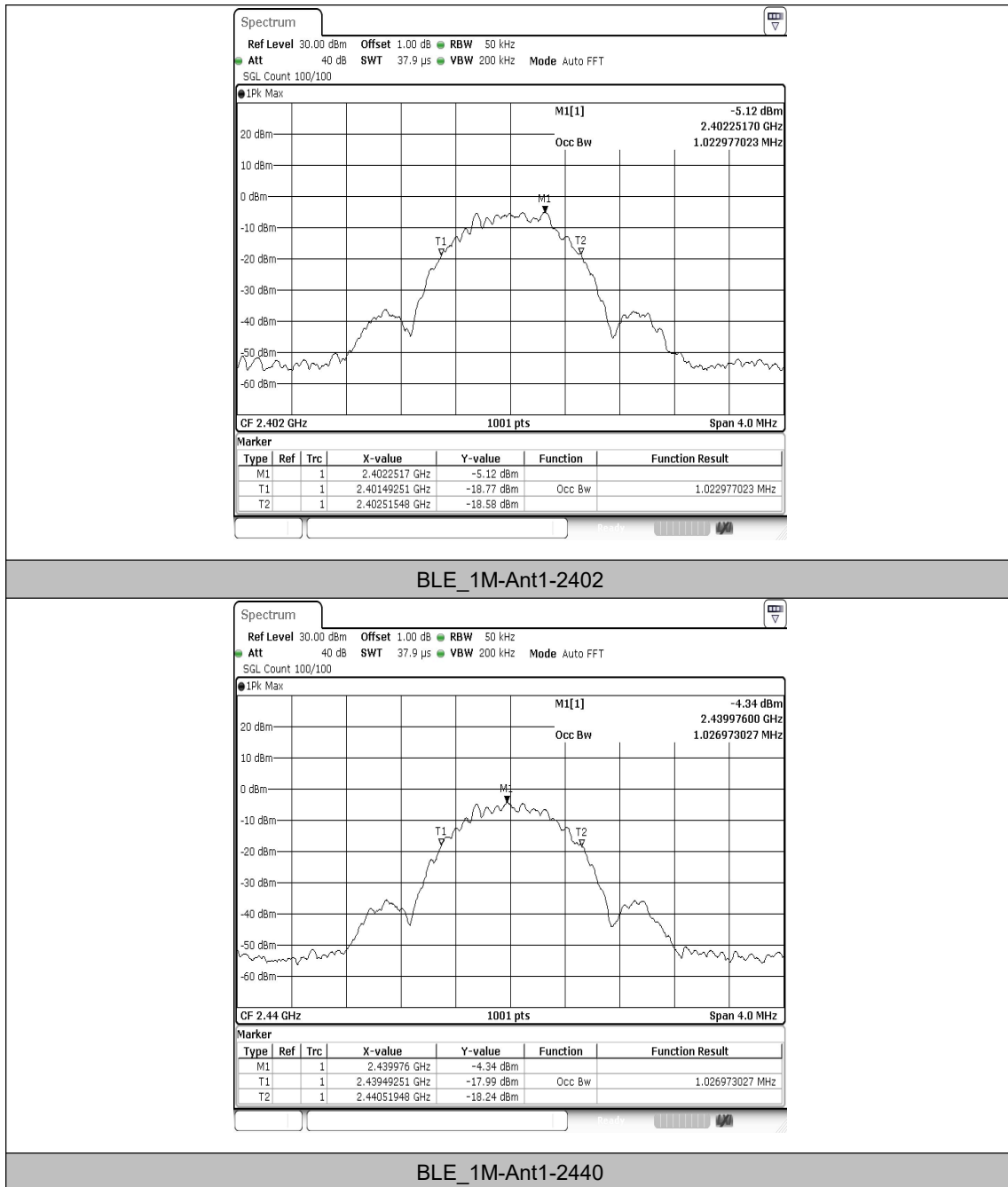
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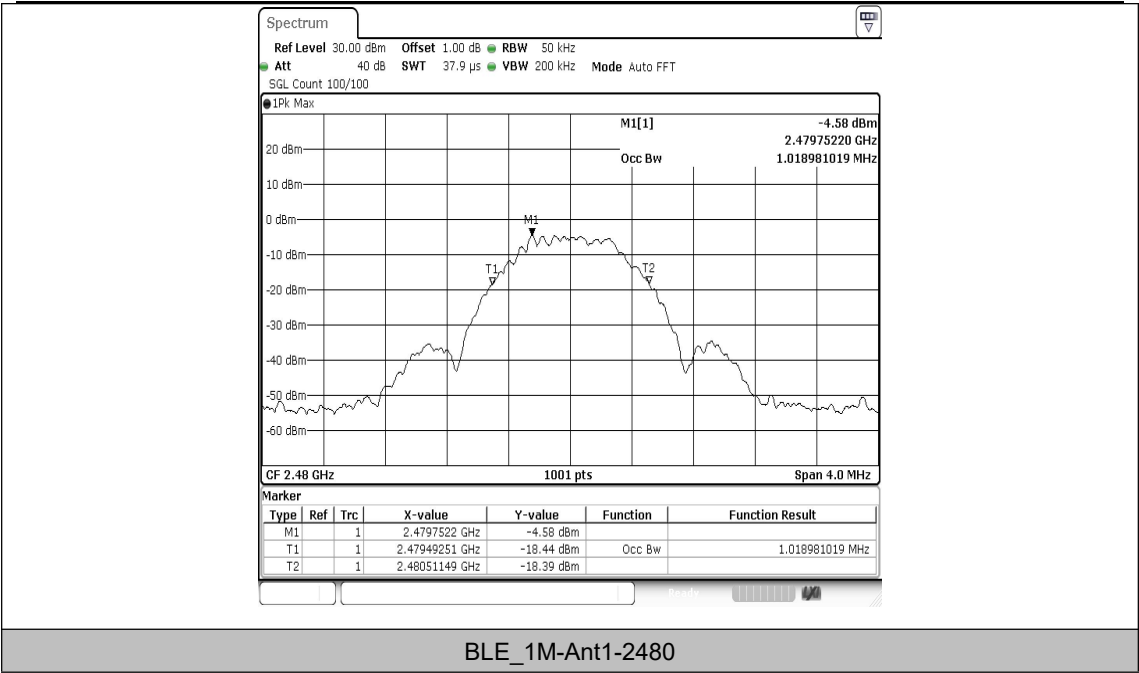
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Appendix B: 99% Occupied Bandwidth**Test Result**

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0230	2401.4925	2402.5155	---	---
BLE_1M	Ant1	2440	1.0270	2439.4925	2440.5195	---	---
BLE_1M	Ant1	2480	1.0190	2479.4925	2480.5115	---	---

Test Graphs





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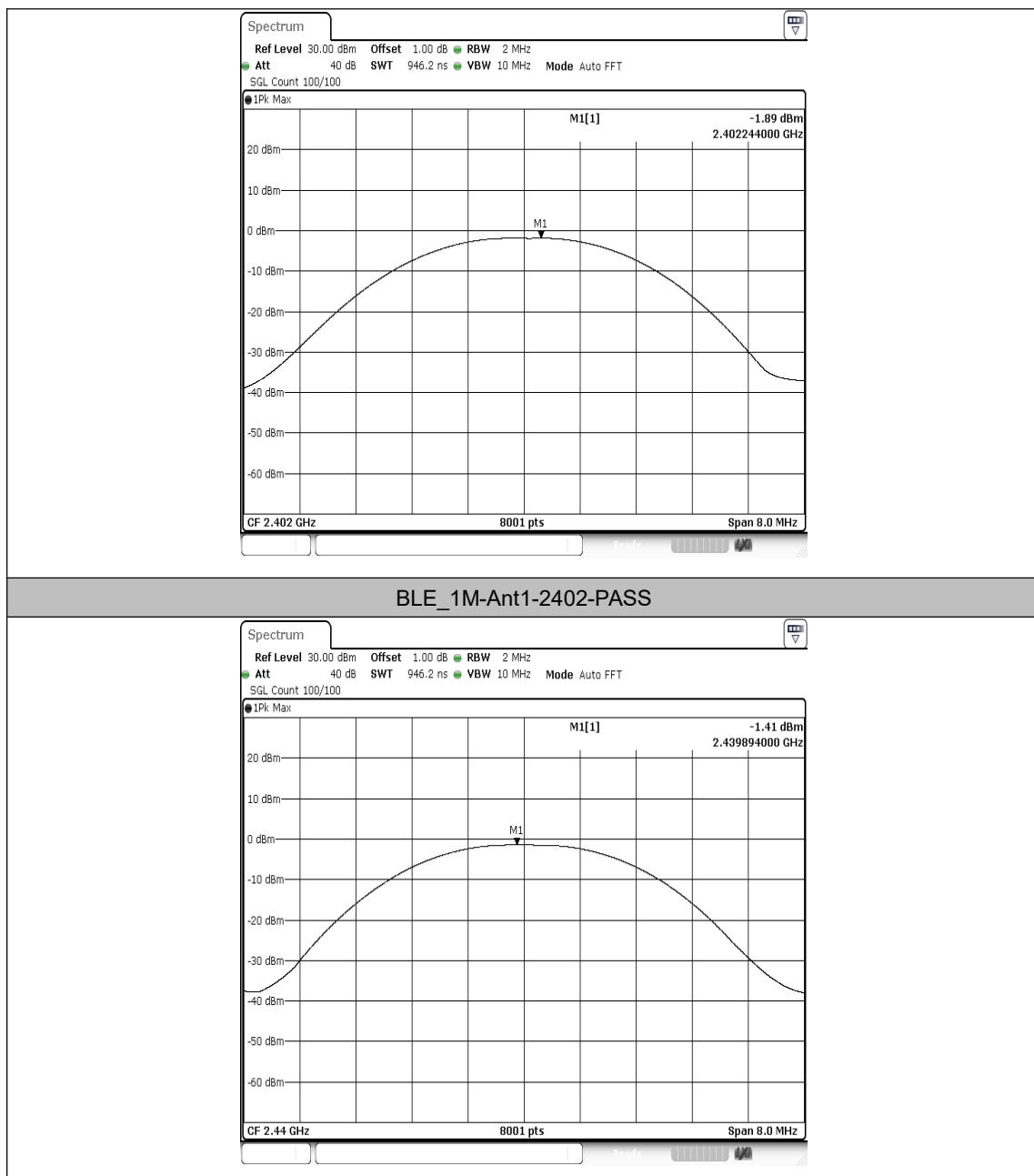
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.89	≤30	PASS
BLE_1M	Ant1	2440	-1.41	≤30	PASS
BLE_1M	Ant1	2480	-0.62	≤30	PASS

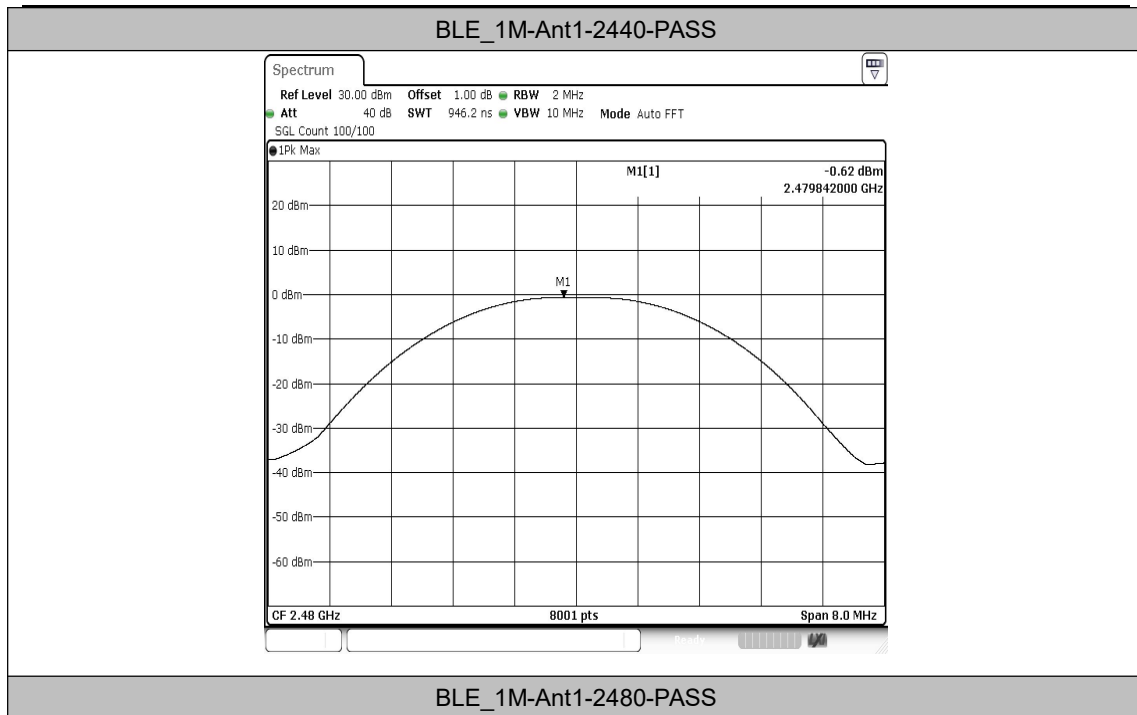
Test Graphs Peak



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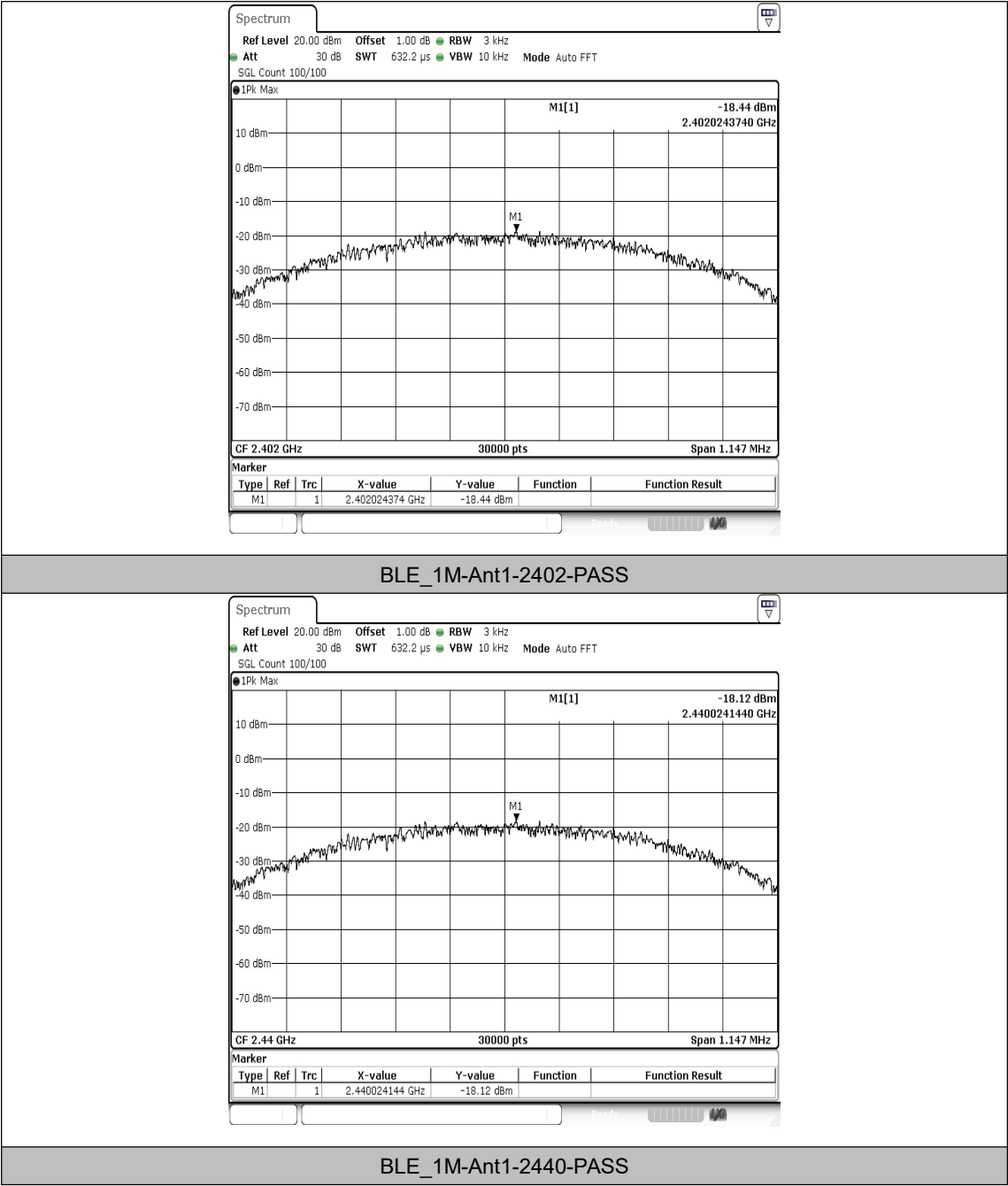
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.44	≤8.00	PASS
BLE_1M	Ant1	2440	-18.12	≤8.00	PASS
BLE_1M	Ant1	2480	-17.30	≤8.00	PASS

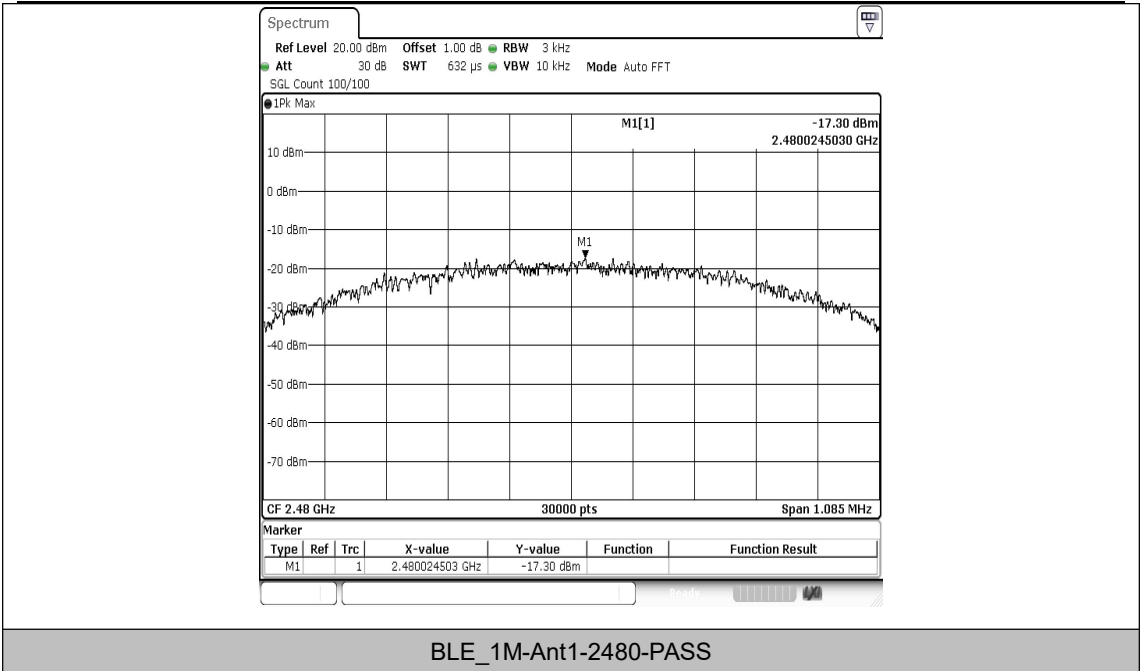
Test Graphs



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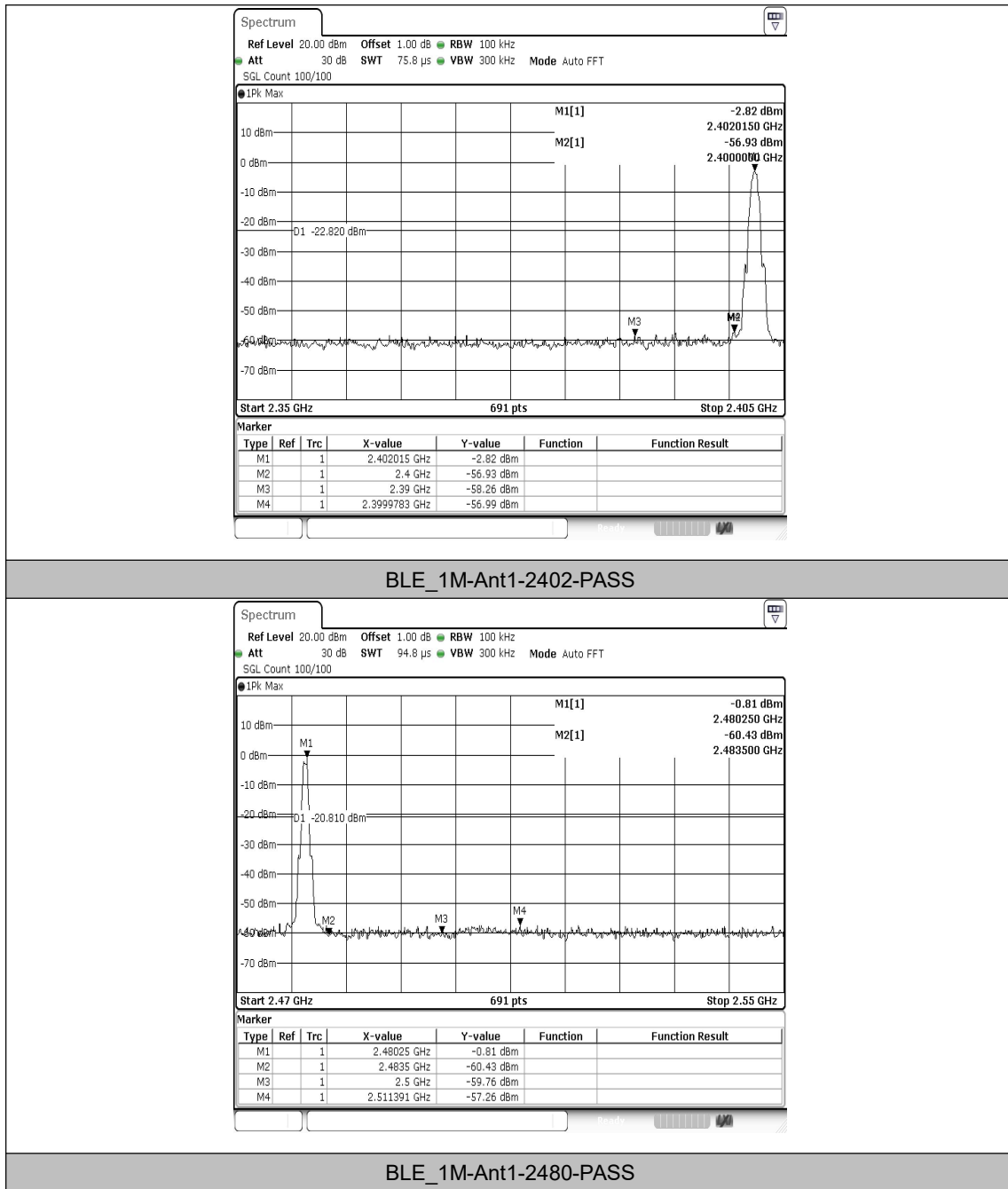
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.82	-56.99	≤-22.82	PASS
BLE_1M	Ant1	High	2480	-0.81	-57.26	≤-20.81	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



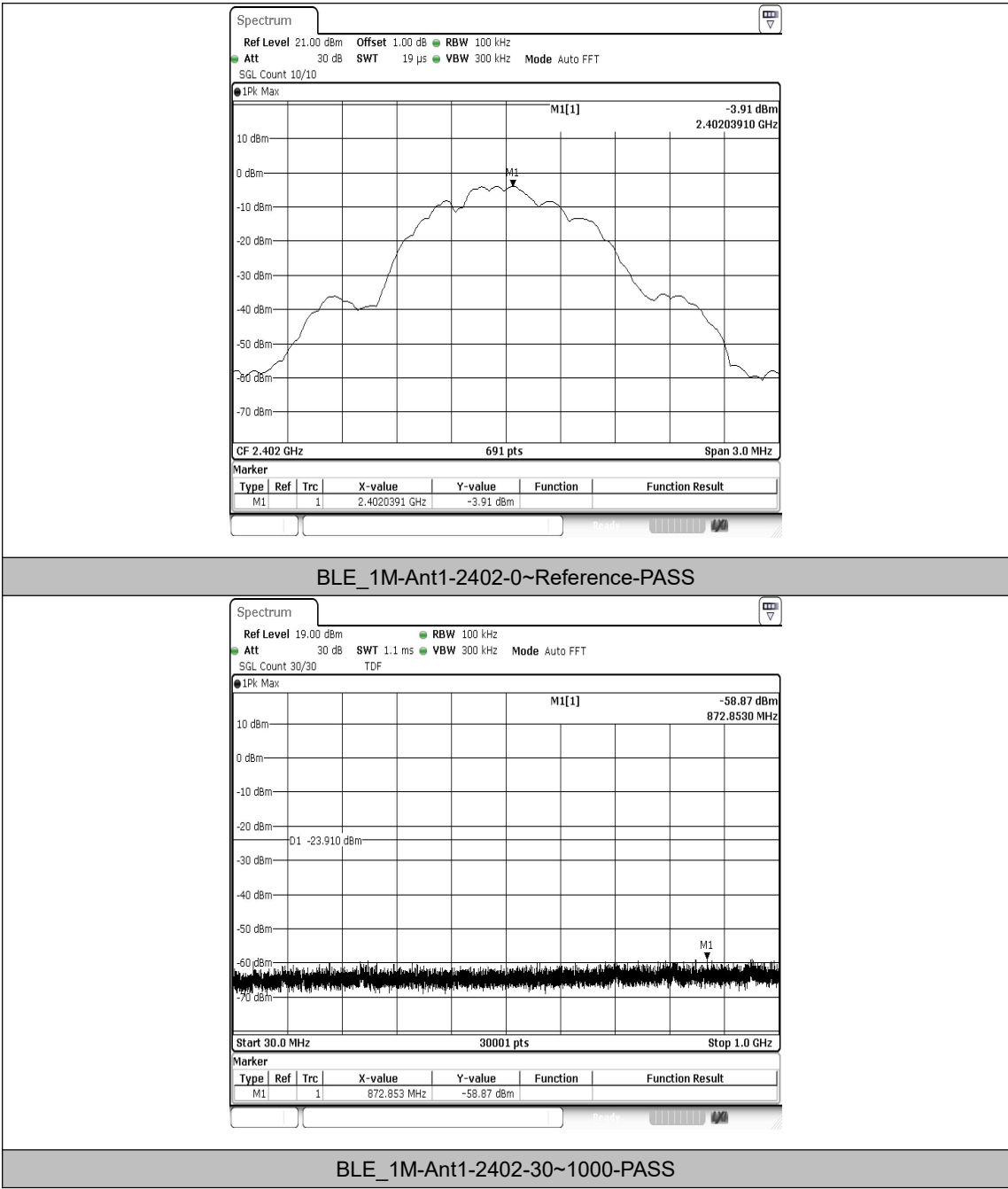
Appendix F: Conducted Spurious Emission

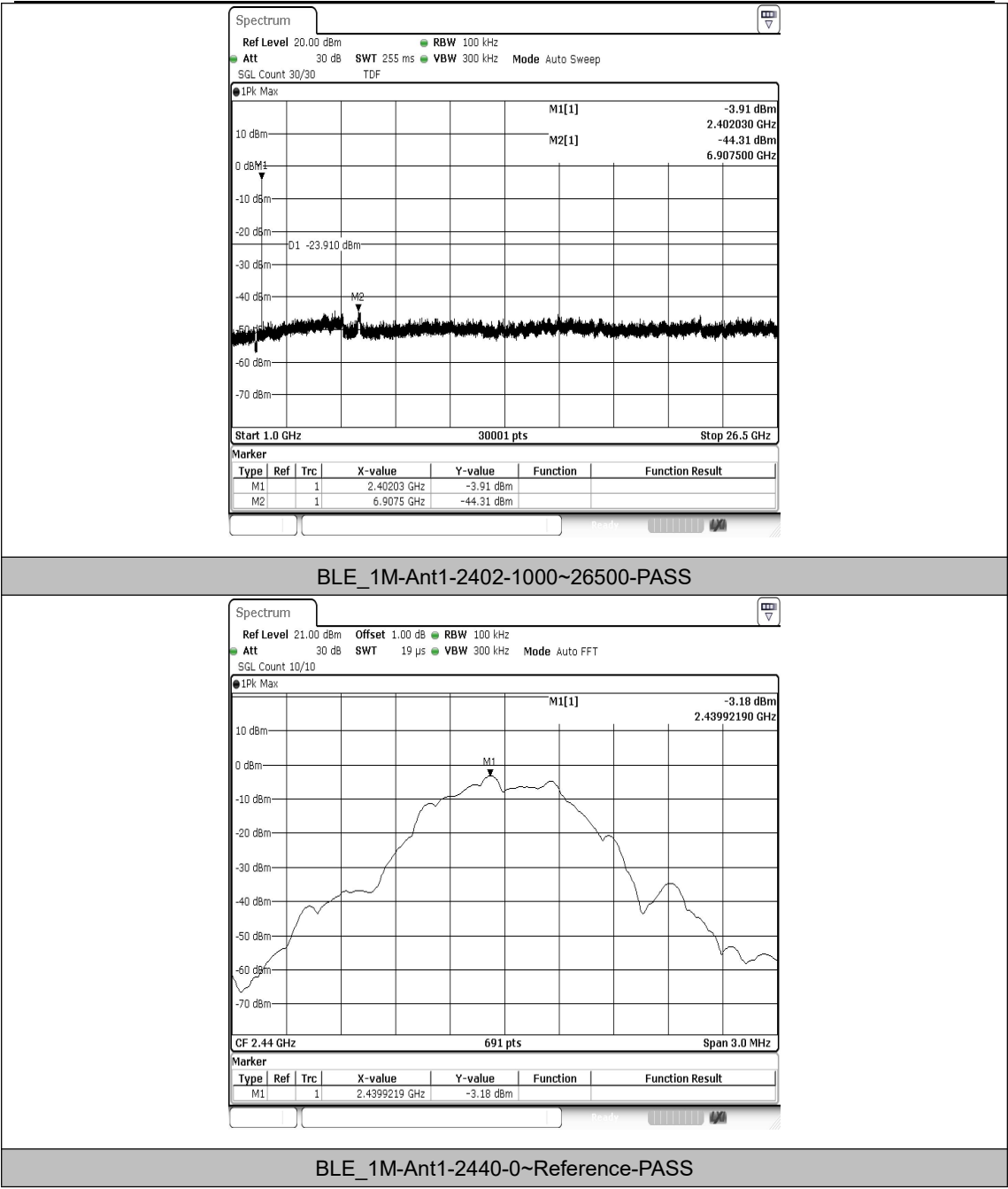
Test Result

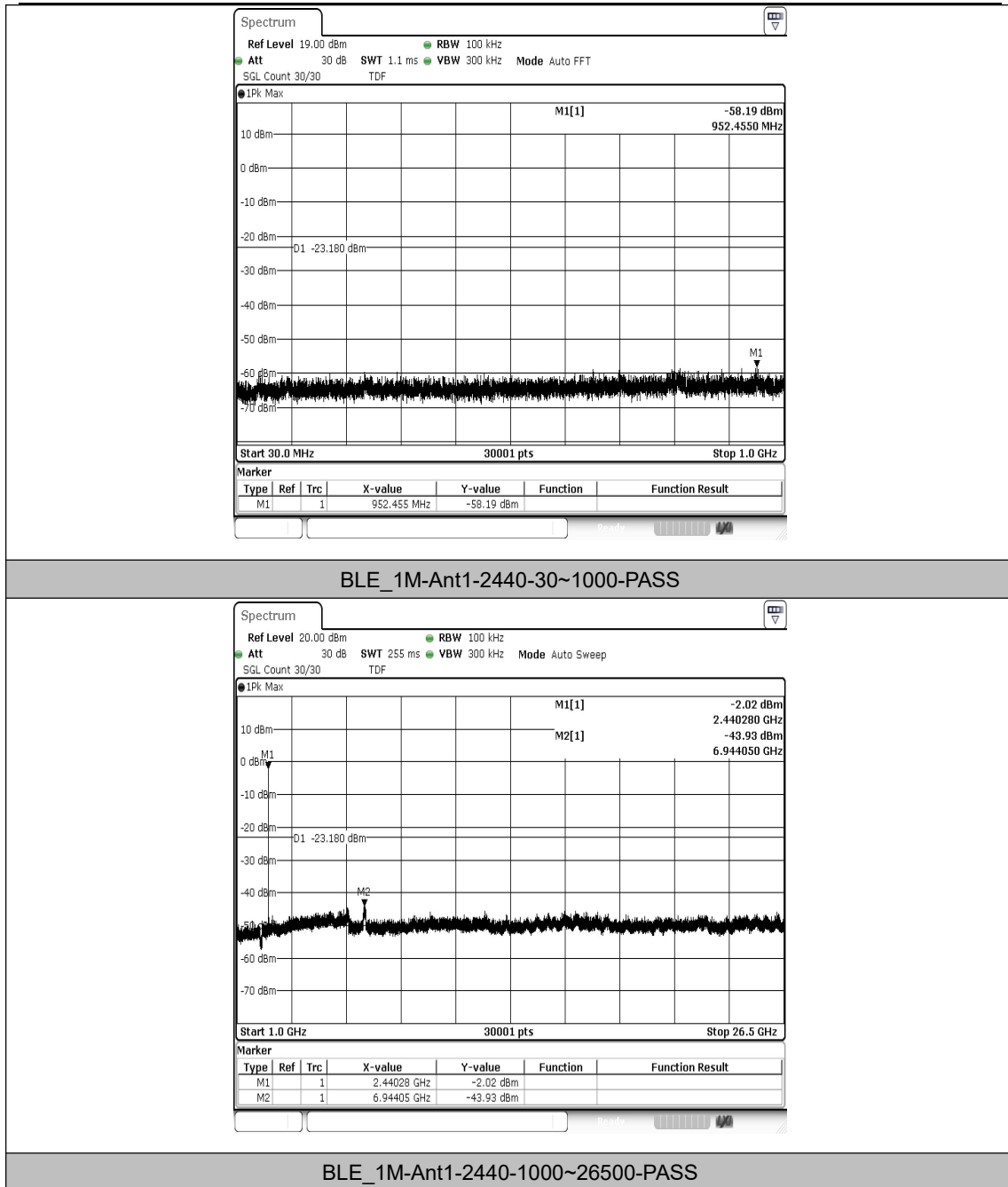
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-3.91	-3.91	---	PASS
BLE_1M	Ant1	2402	30~1000	-3.91	-58.87	≤-23.91	PASS
BLE_1M	Ant1	2402	1000~26500	-3.91	-44.31	≤-23.91	PASS
BLE_1M	Ant1	2440	0~Reference	-3.18	-3.18	---	PASS
BLE_1M	Ant1	2440	30~1000	-3.18	-58.19	≤-23.18	PASS
BLE_1M	Ant1	2440	1000~26500	-3.18	-43.93	≤-23.18	PASS
BLE_1M	Ant1	2480	0~Reference	-2.21	-2.21	---	PASS
BLE_1M	Ant1	2480	30~1000	-2.21	-58.61	≤-22.21	PASS
BLE_1M	Ant1	2480	1000~26500	-2.21	-42.96	≤-22.21	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



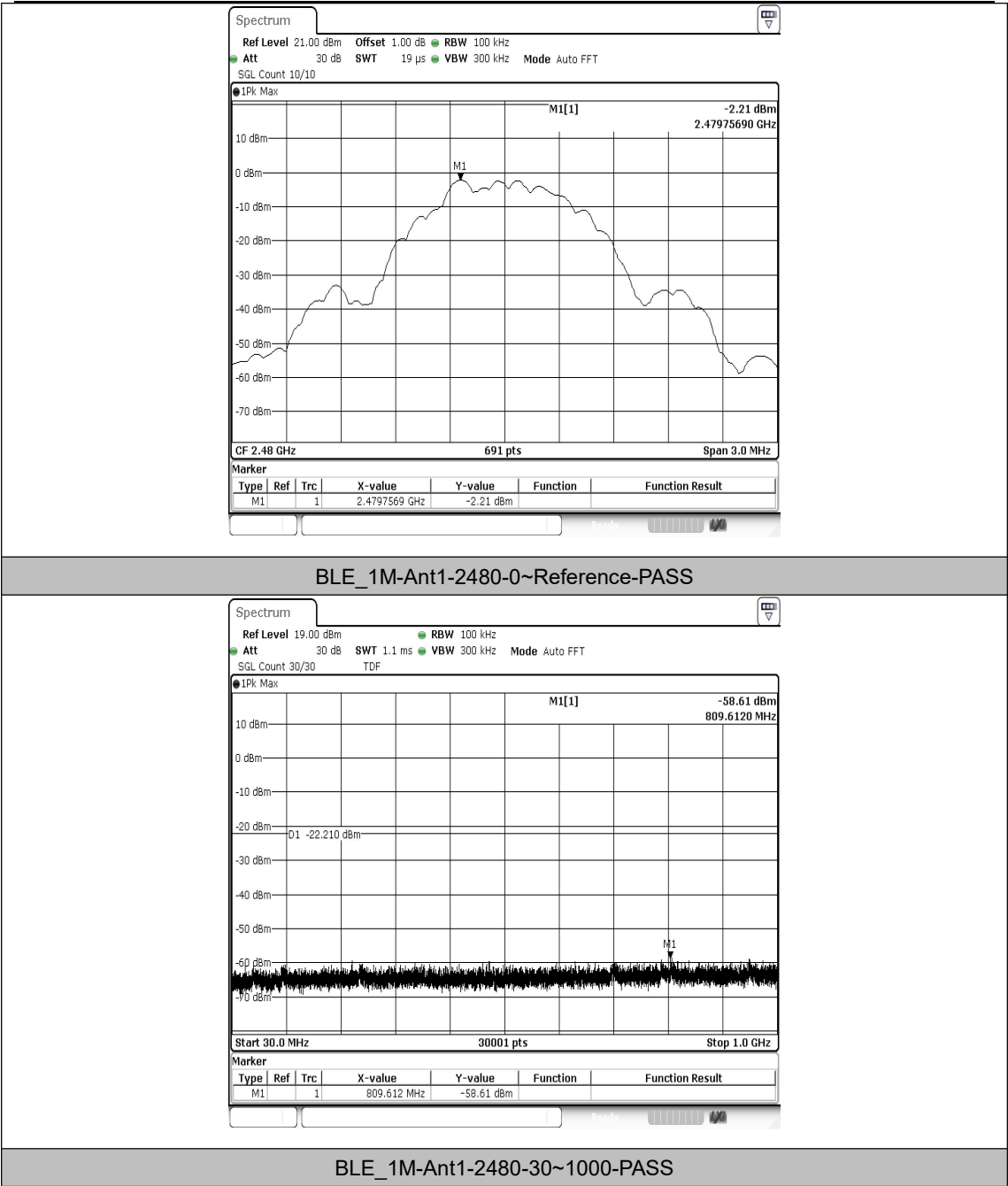


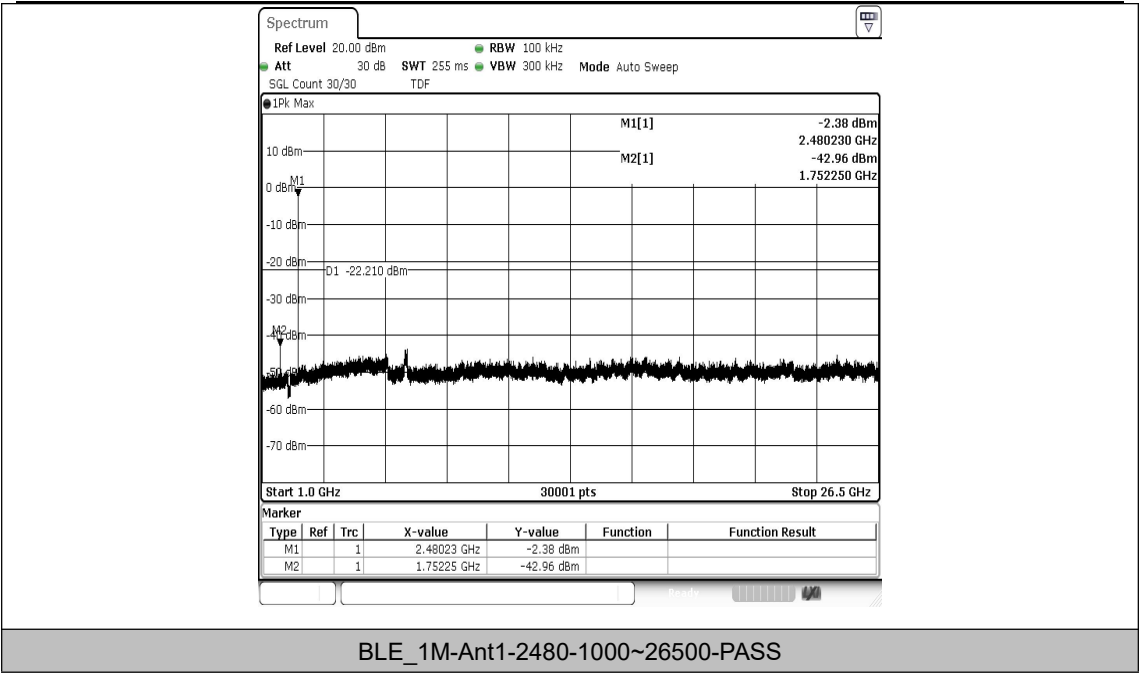


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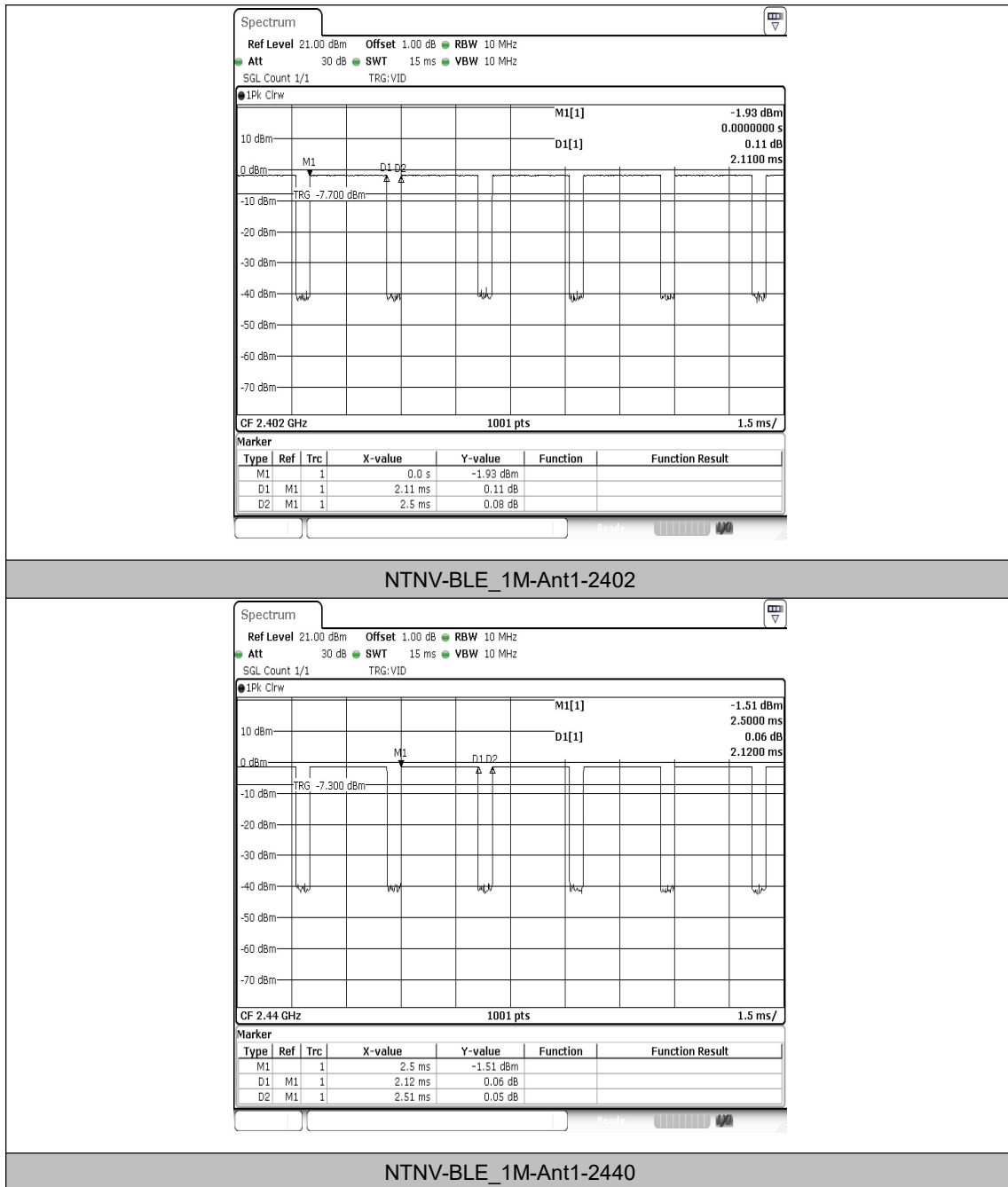
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Appendix G: Duty Cycle

Test Result

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

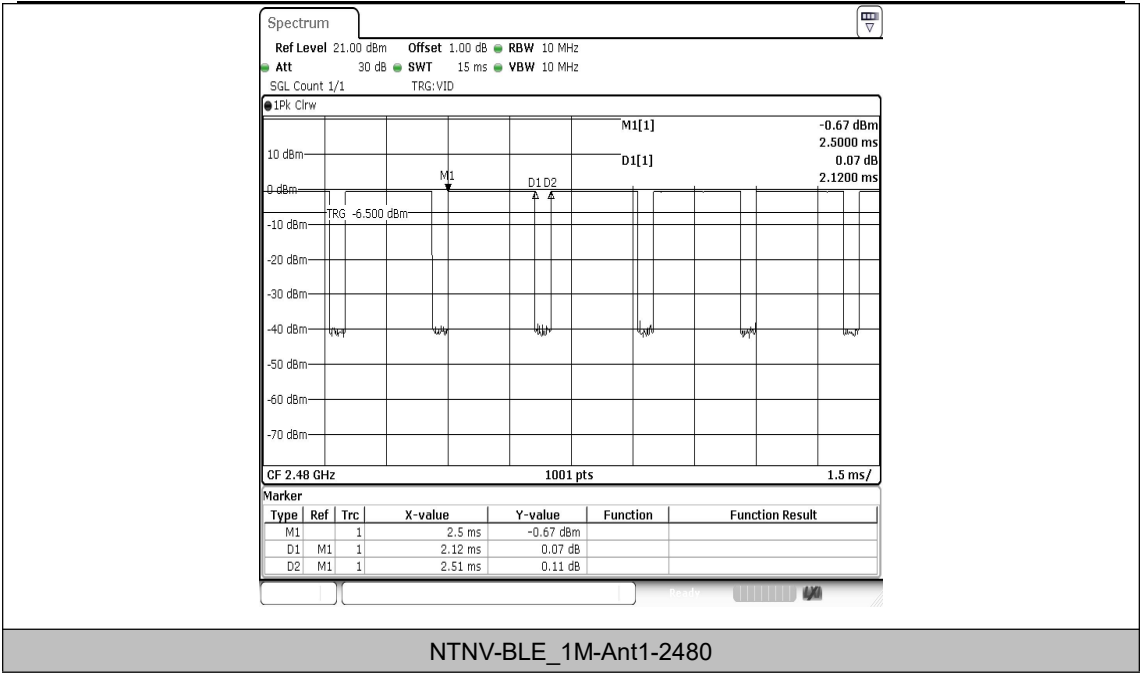
Test Graphs



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