

Appendix Test Data

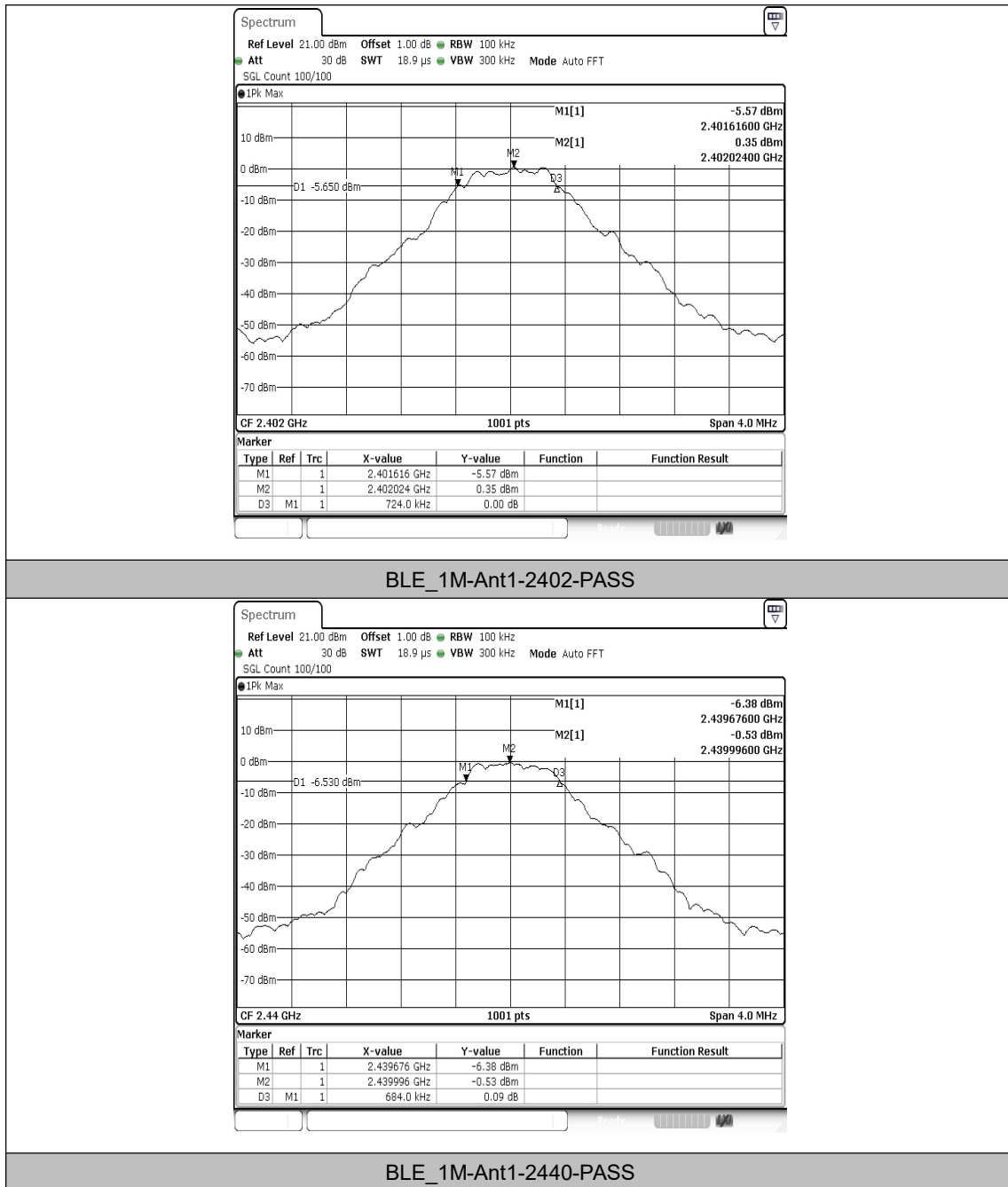
Report No.:	1814C50245612501	Test Sample No.:	1-2-2
Start Test Date:	2025-8-4	Finish Test Date:	2025-8-13
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	26.3°C	Relative Humidity:	49%
Pressure:	101kPa		

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	0.72	2401.62	2402.34	0.5	PASS
BLE_1M	Ant1	2440	0.68	2439.68	2440.36	0.5	PASS
BLE_1M	Ant1	2480	0.70	2479.64	2480.34	0.5	PASS

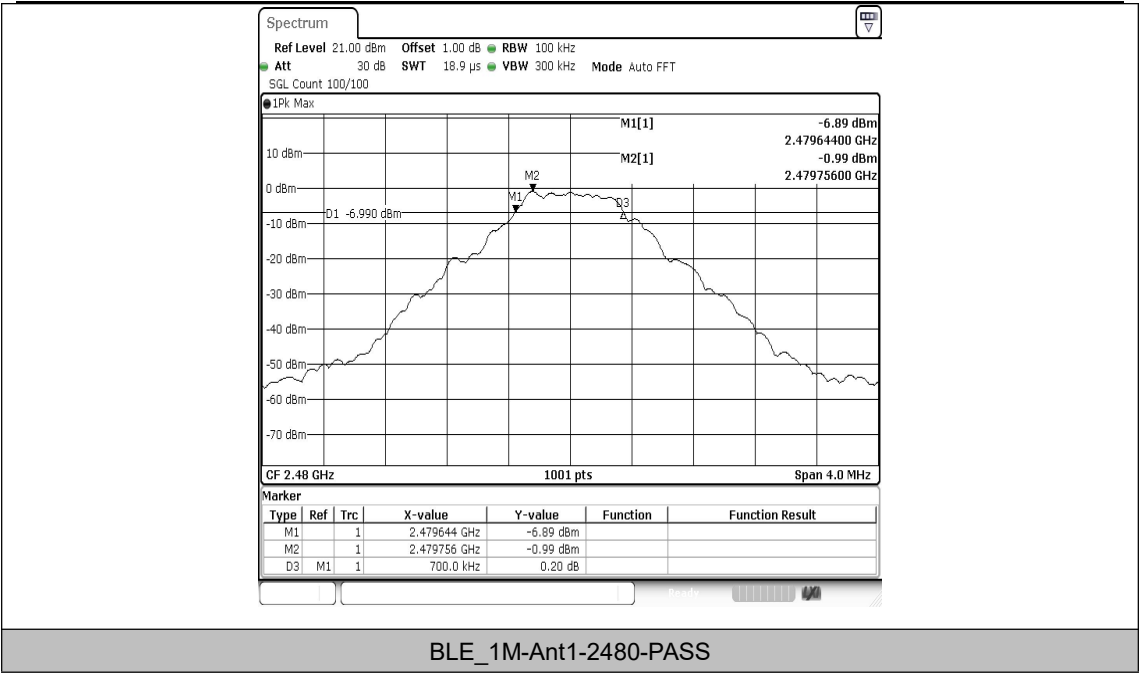
Test Graphs



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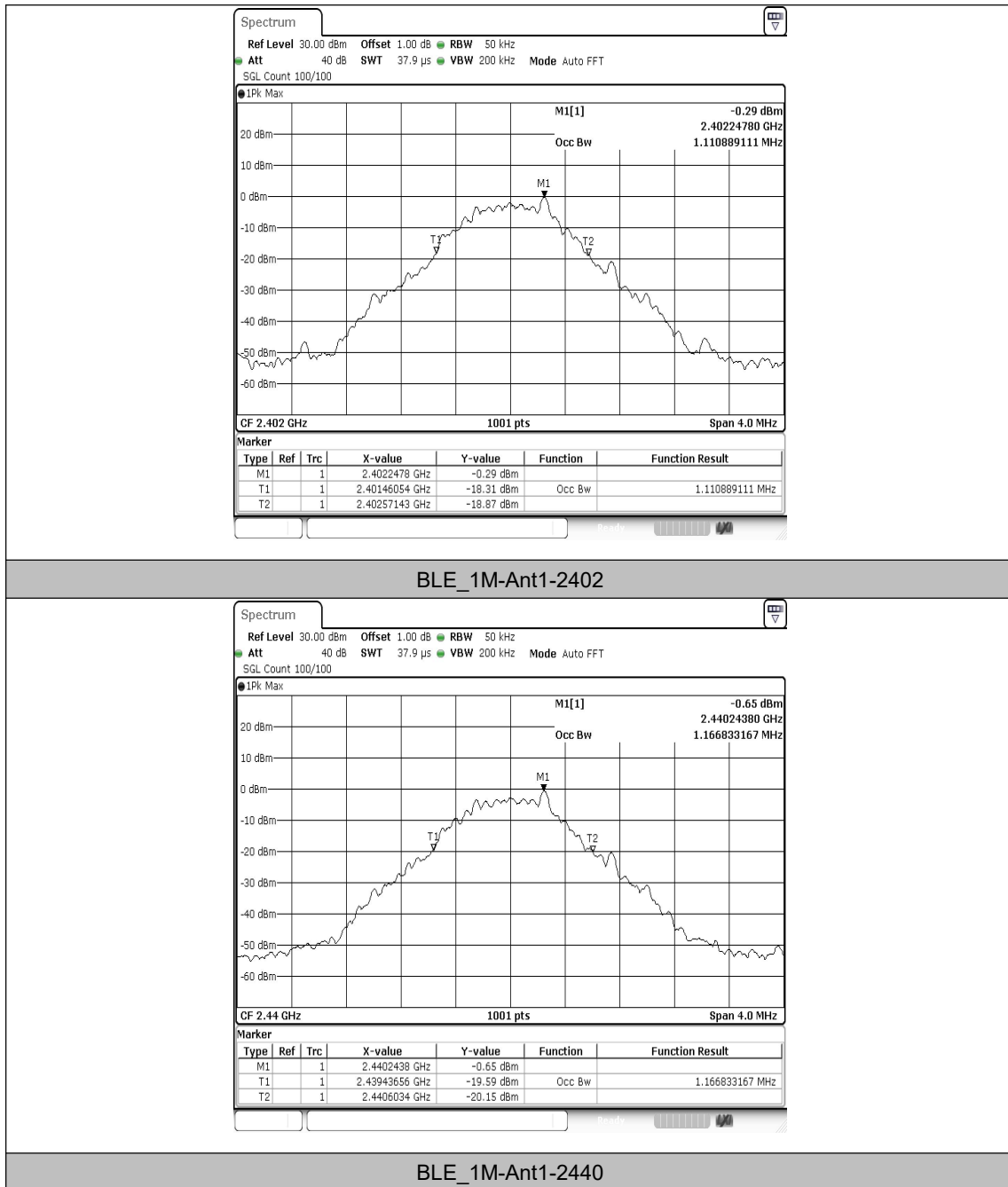
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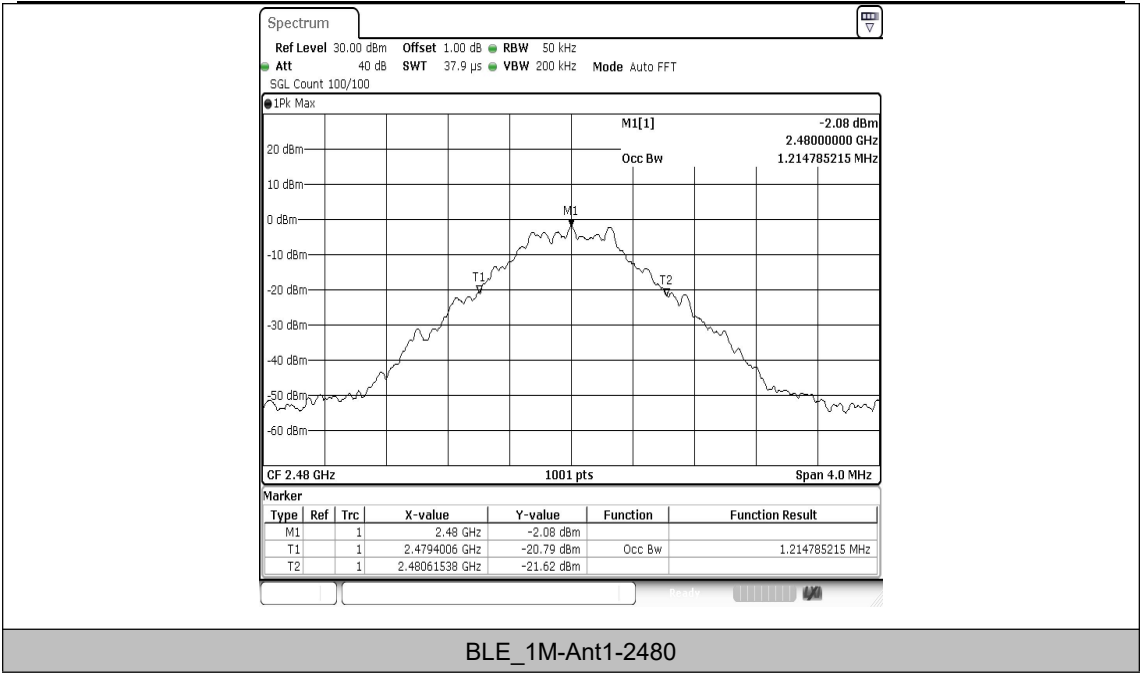
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Appendix B: 99% Occupied Bandwidth**Test Result**

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.1109	2401.4605	2402.5714	---	---
BLE_1M	Ant1	2440	1.1668	2439.4366	2440.6034	---	---
BLE_1M	Ant1	2480	1.2148	2479.4006	2480.6154	---	---

Test Graphs





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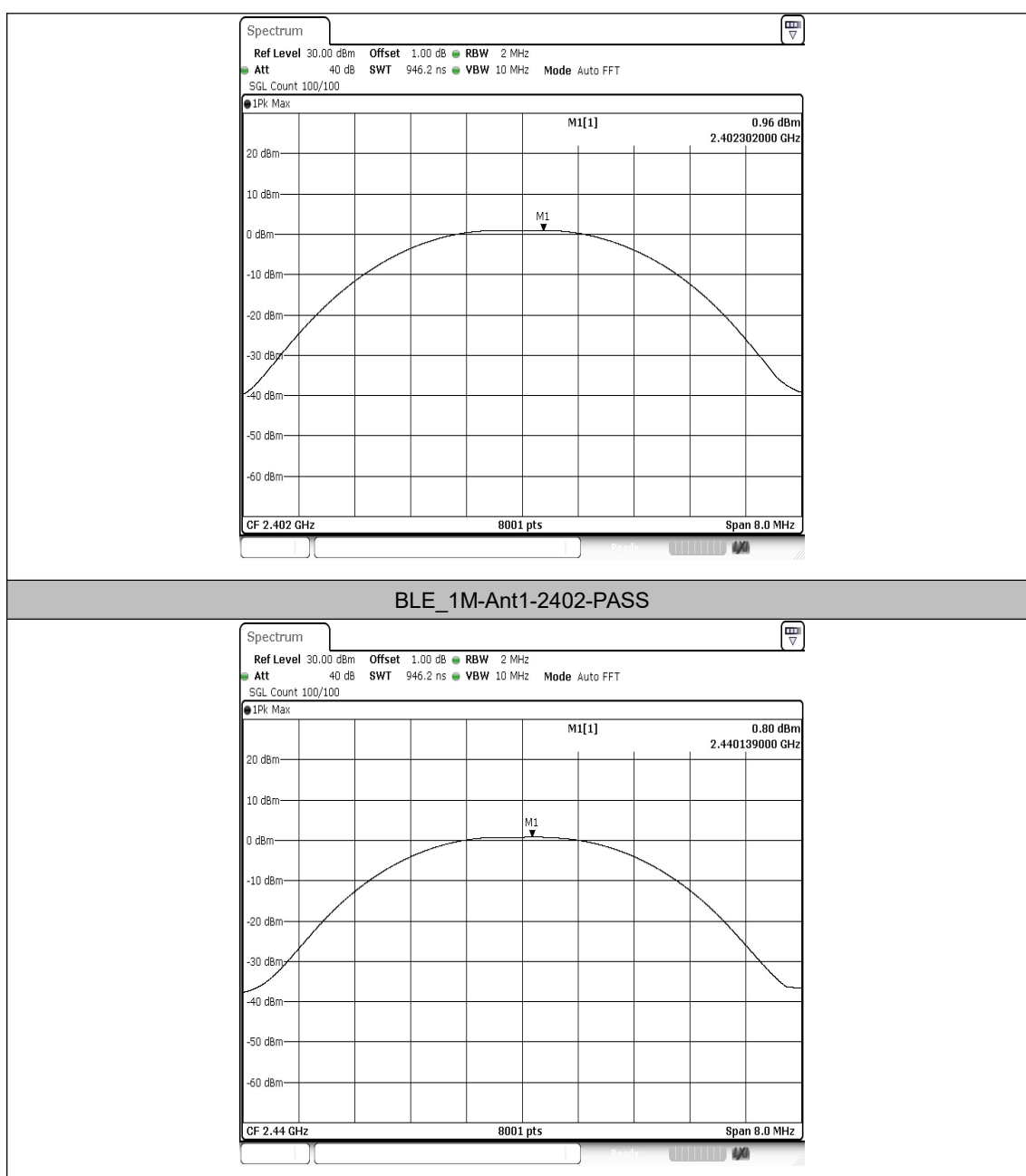
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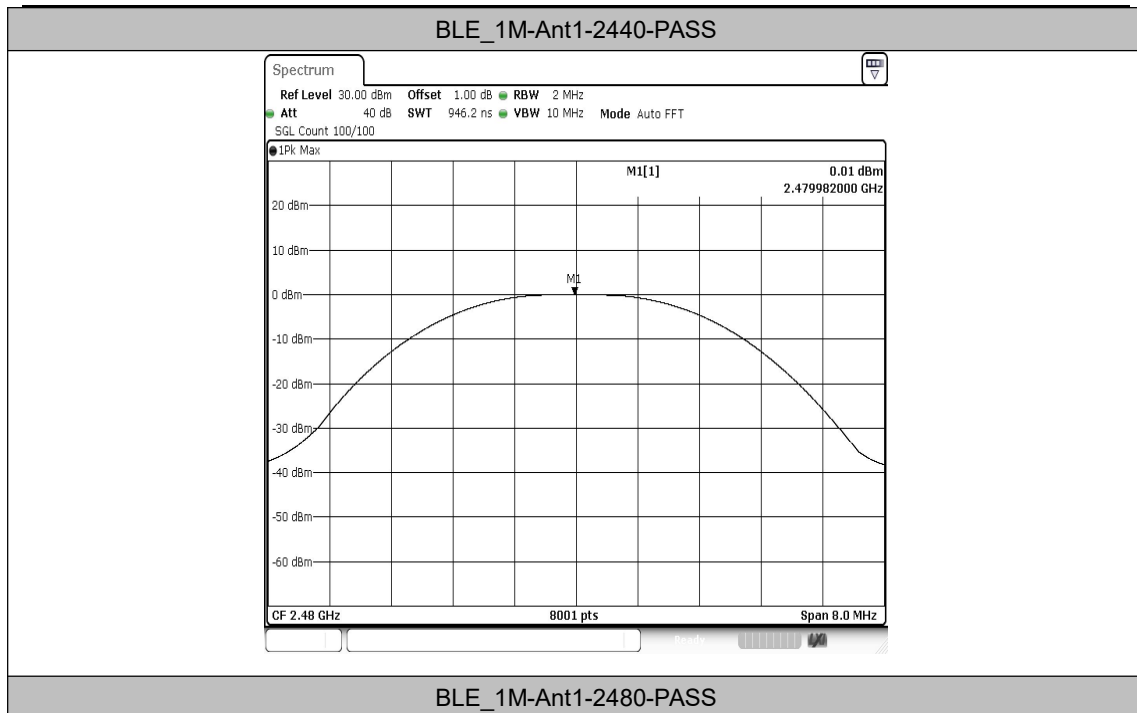
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.96	≤30	PASS
BLE_1M	Ant1	2440	0.80	≤30	PASS
BLE_1M	Ant1	2480	0.01	≤30	PASS

Test Graphs Peak





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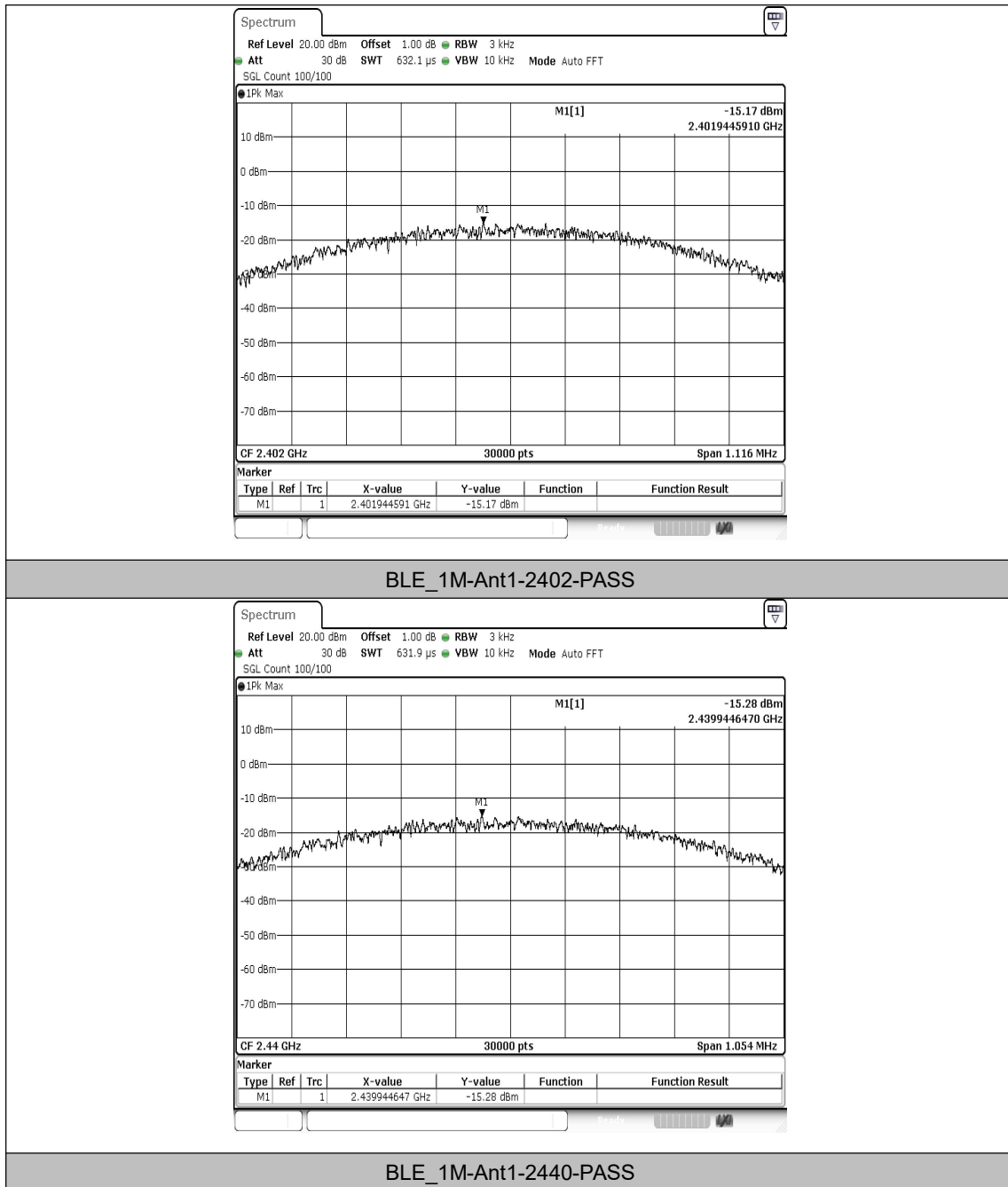
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.17	≤8.00	PASS
BLE_1M	Ant1	2440	-15.28	≤8.00	PASS
BLE_1M	Ant1	2480	-16.27	≤8.00	PASS

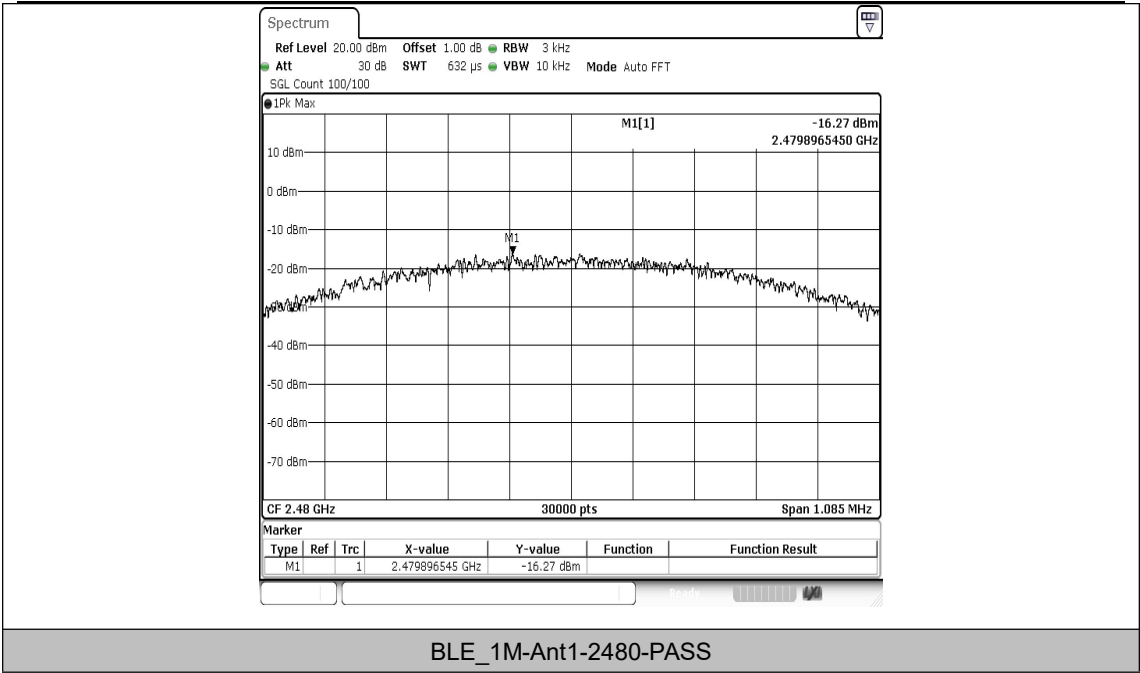
Test Graphs



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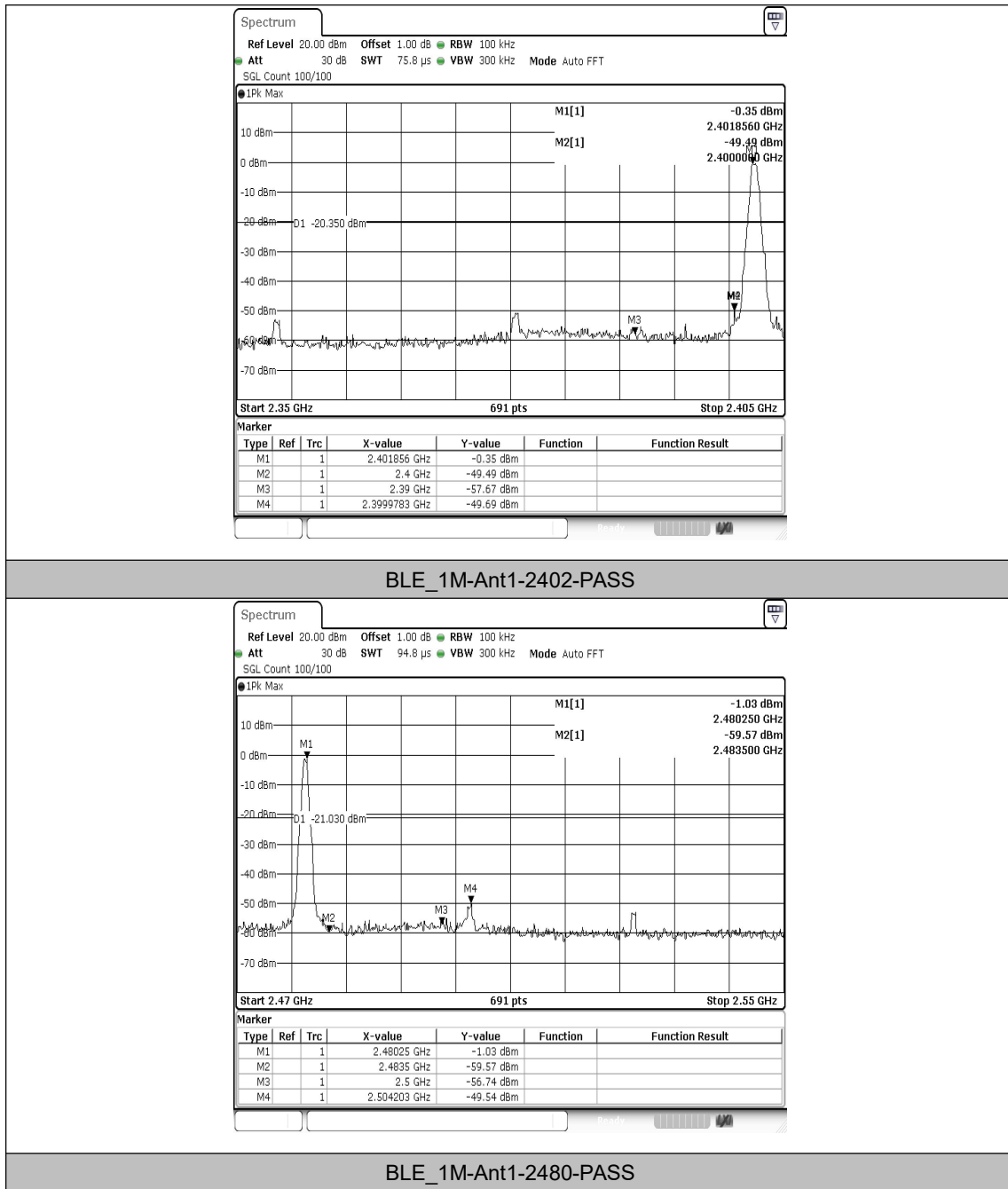
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.35	-49.69	≤-20.35	PASS
BLE_1M	Ant1	High	2480	-1.03	-49.54	≤-21.03	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



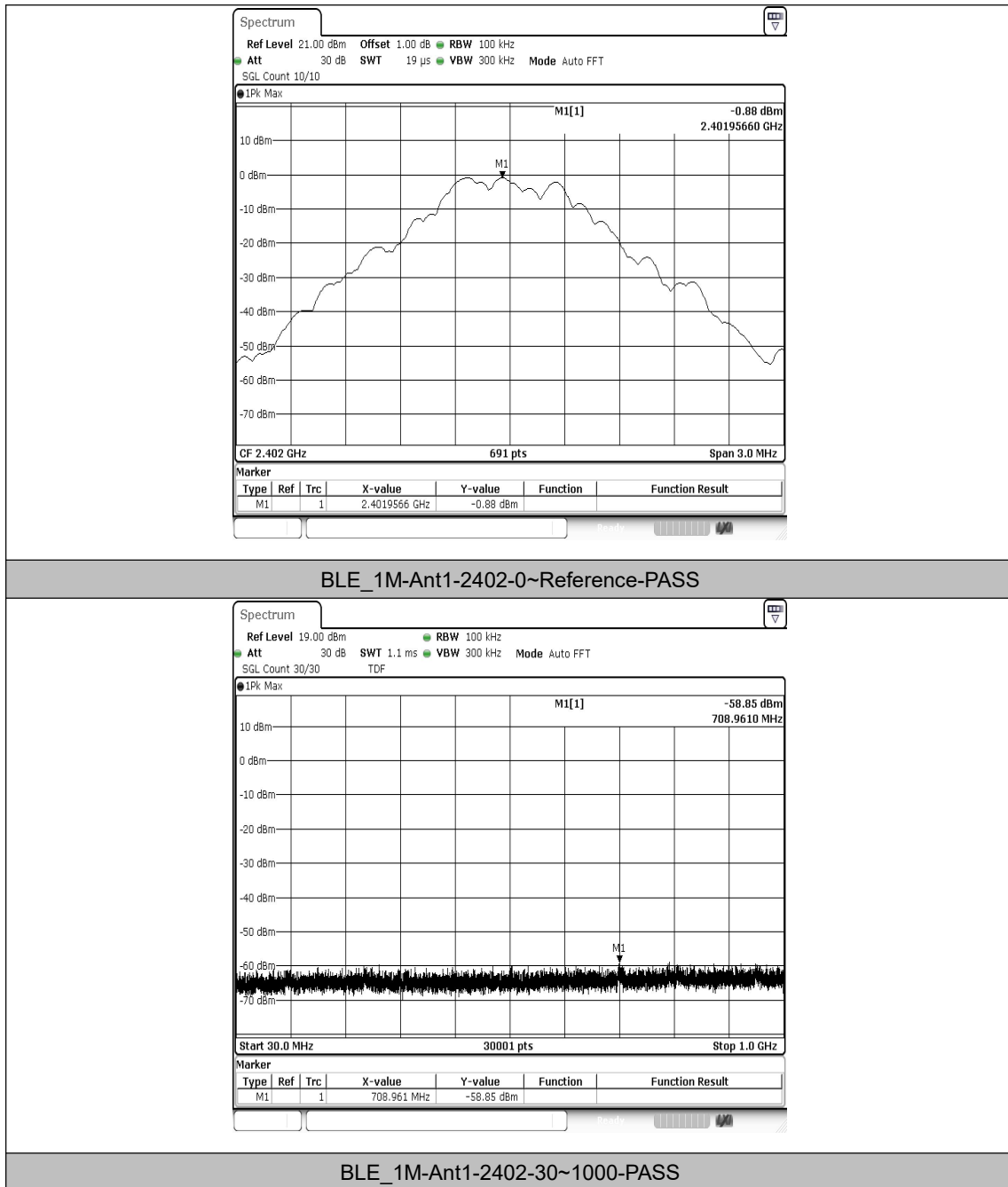
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-0.88	-0.88	---	PASS
BLE_1M	Ant1	2402	30~1000	-0.88	-58.85	≤-20.88	PASS
BLE_1M	Ant1	2402	1000~26500	-0.88	-40.38	≤-20.88	PASS
BLE_1M	Ant1	2440	0~Reference	-1.19	-1.19	---	PASS
BLE_1M	Ant1	2440	30~1000	-1.19	-58.33	≤-21.19	PASS
BLE_1M	Ant1	2440	1000~26500	-1.19	-39.36	≤-21.19	PASS
BLE_1M	Ant1	2480	0~Reference	-0.38	-0.38	---	PASS
BLE_1M	Ant1	2480	30~1000	-0.38	-58.27	≤-20.38	PASS
BLE_1M	Ant1	2480	1000~26500	-0.38	-44.67	≤-20.38	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.

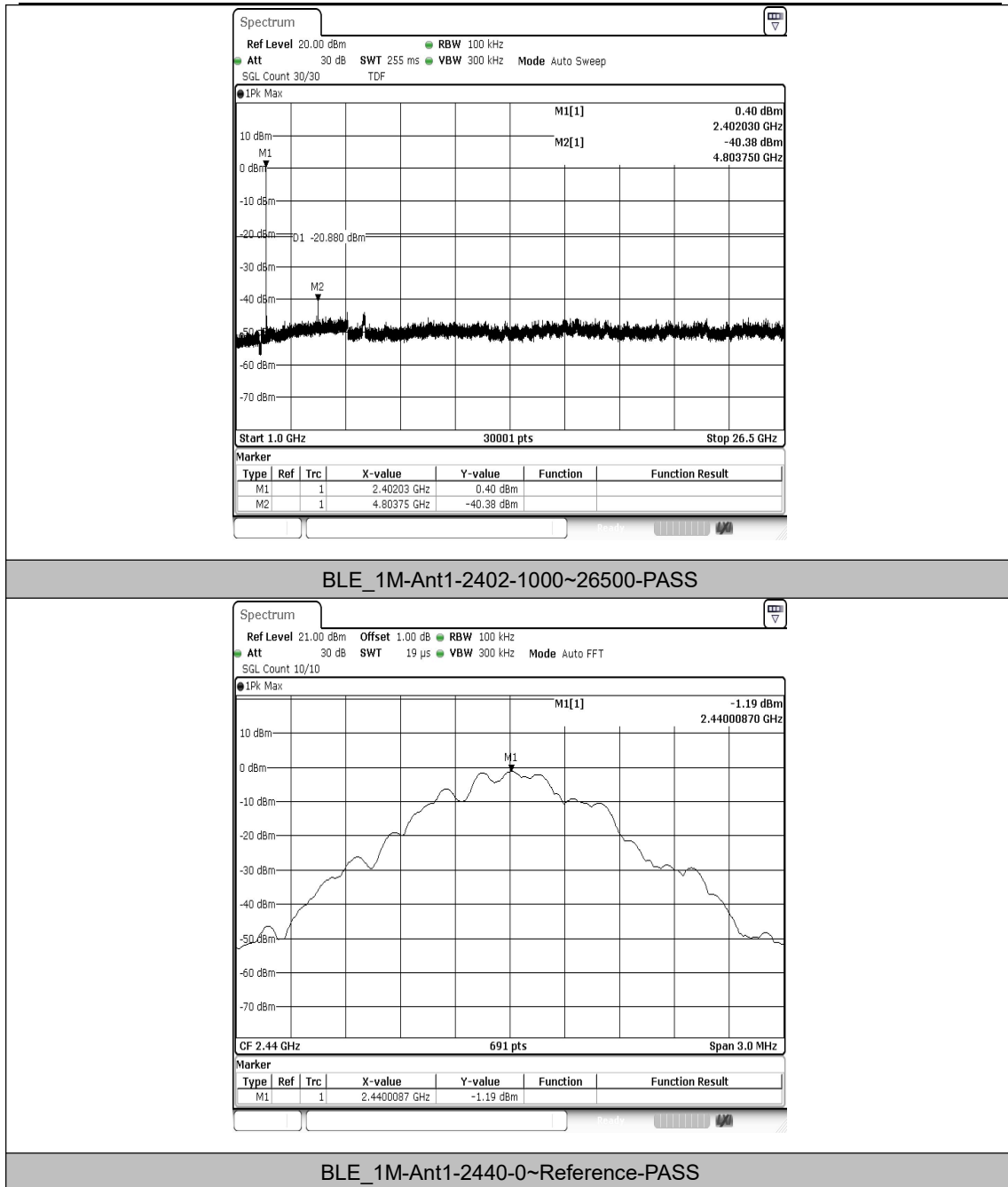
Test Graphs



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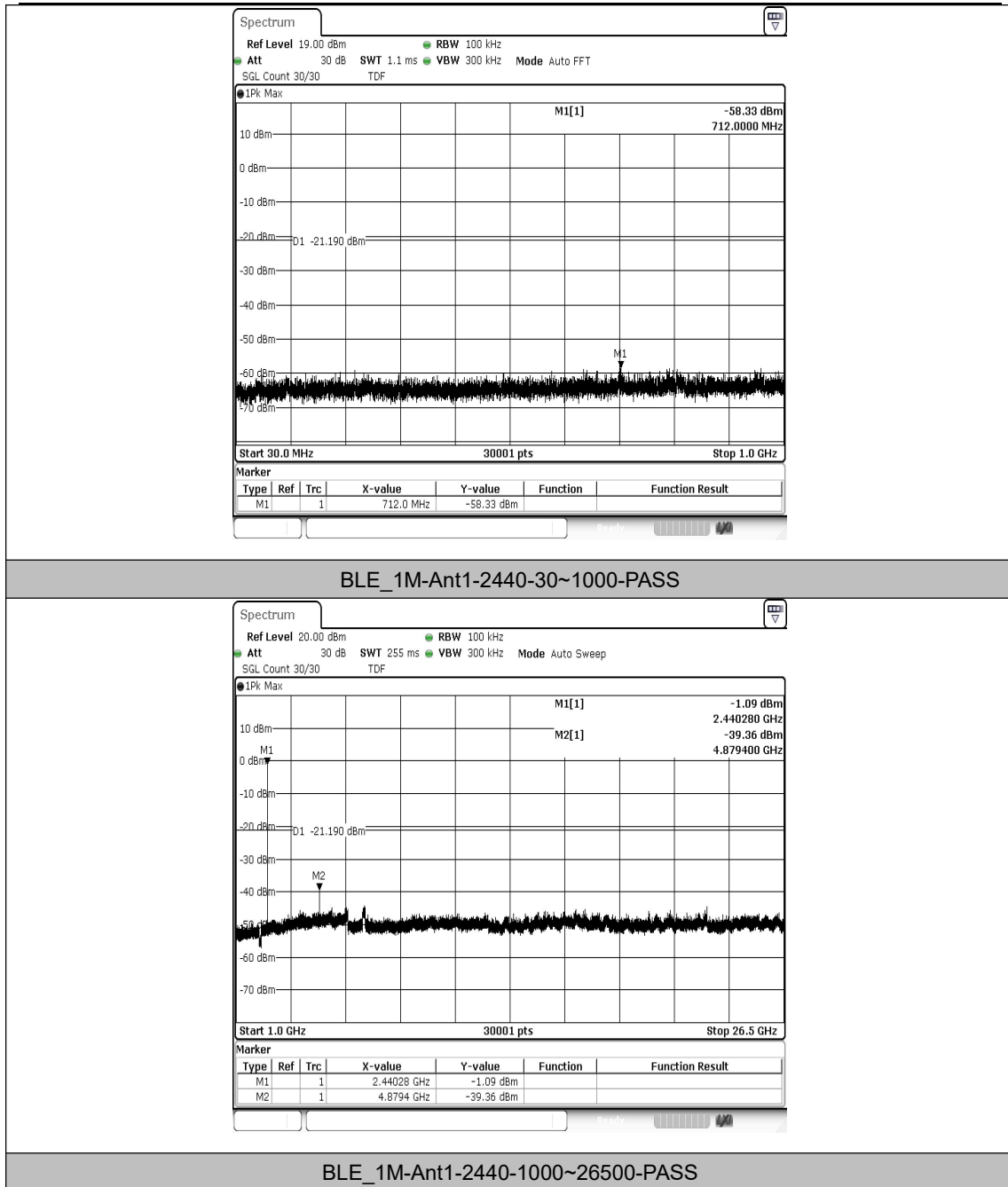
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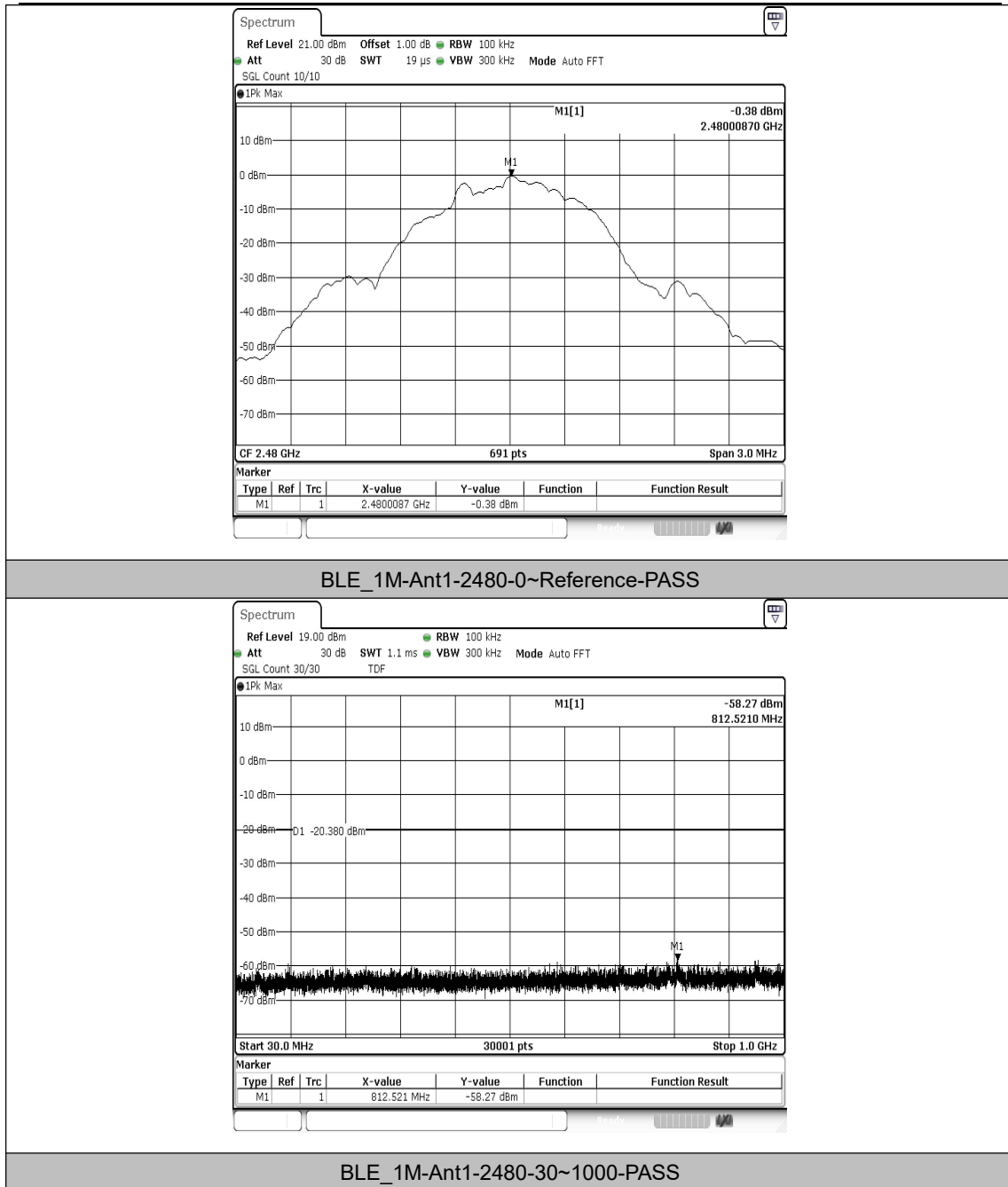
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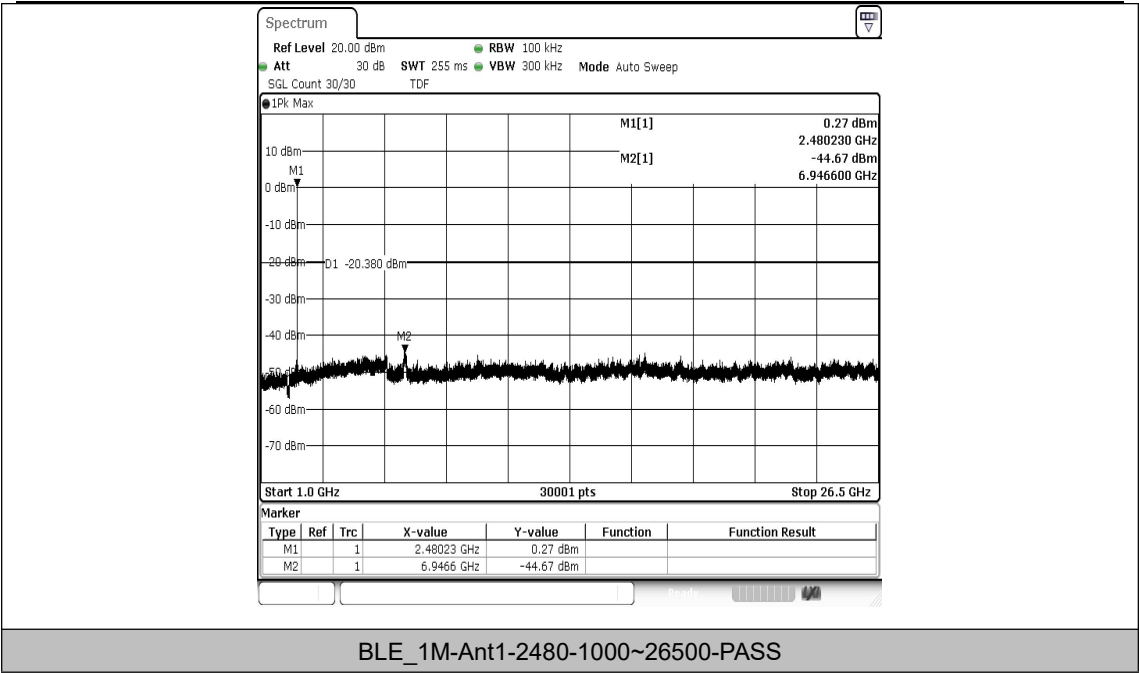
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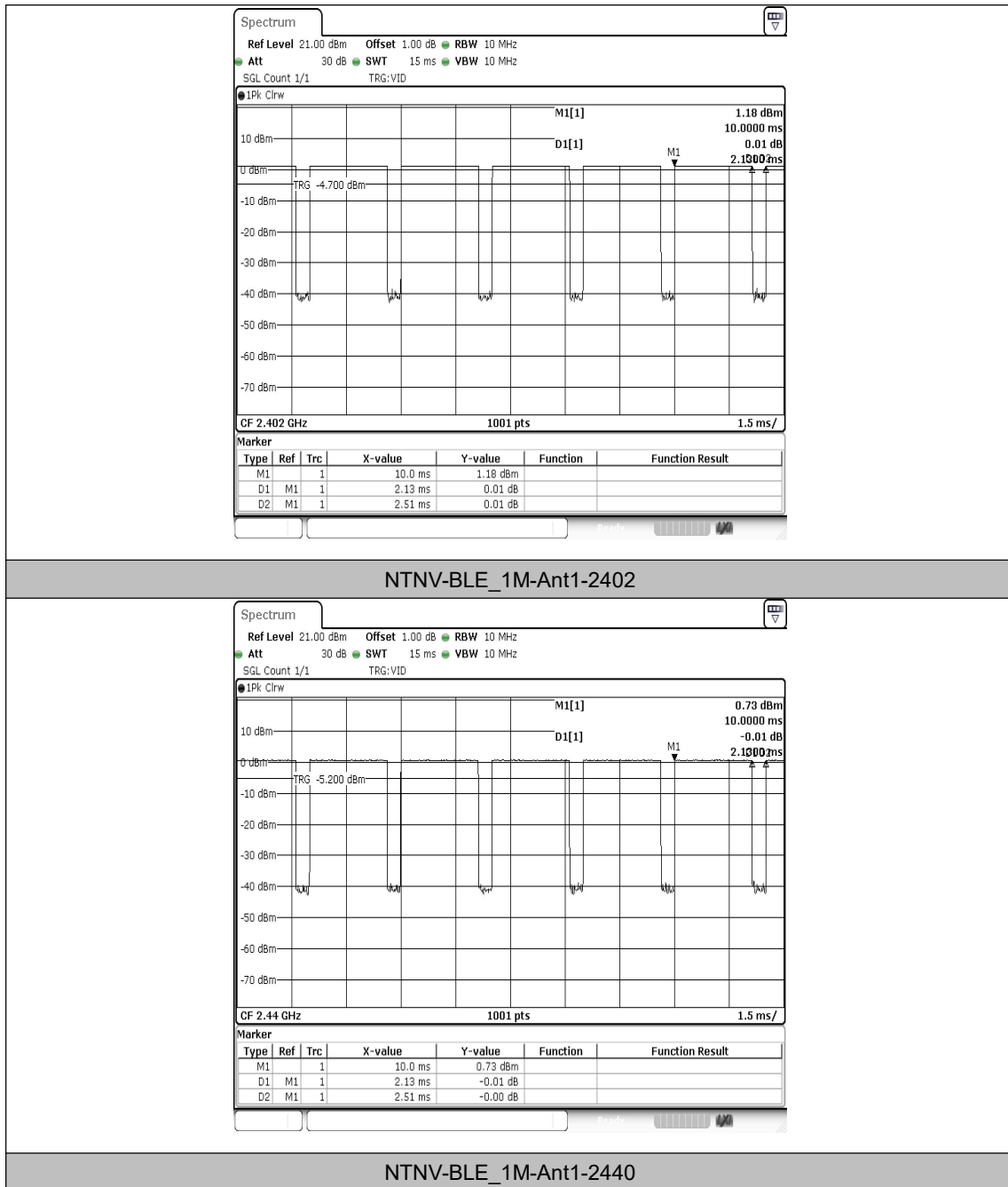
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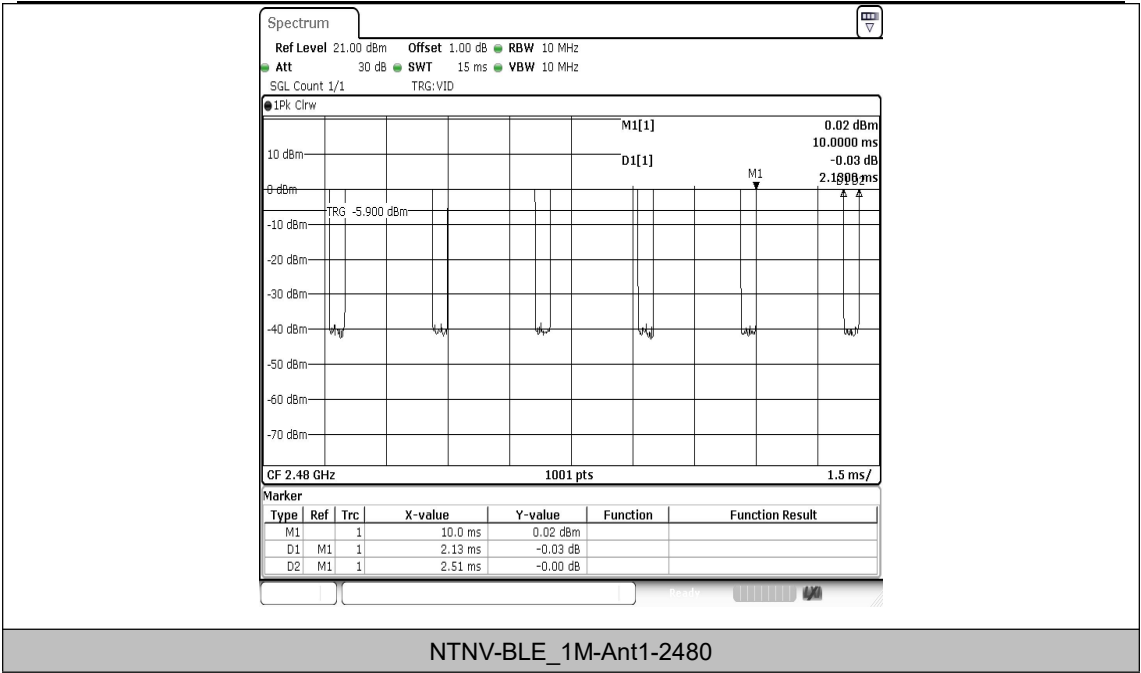
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.51	84.86	0.71
BLE_1M	Ant1	2440	2.13	2.51	84.86	0.71
BLE_1M	Ant1	2480	2.13	2.51	84.86	0.71

Test Graphs





---End---