

Appendix Test Data

Report No.:	1813C50274712501	Test Sample No.:	1-2-2
Start Test Date:	2025-6-17	Finish Test Date:	2025-7-9
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	26.9°C	Relative Humidity:	47%
Pressure:	101kPa		

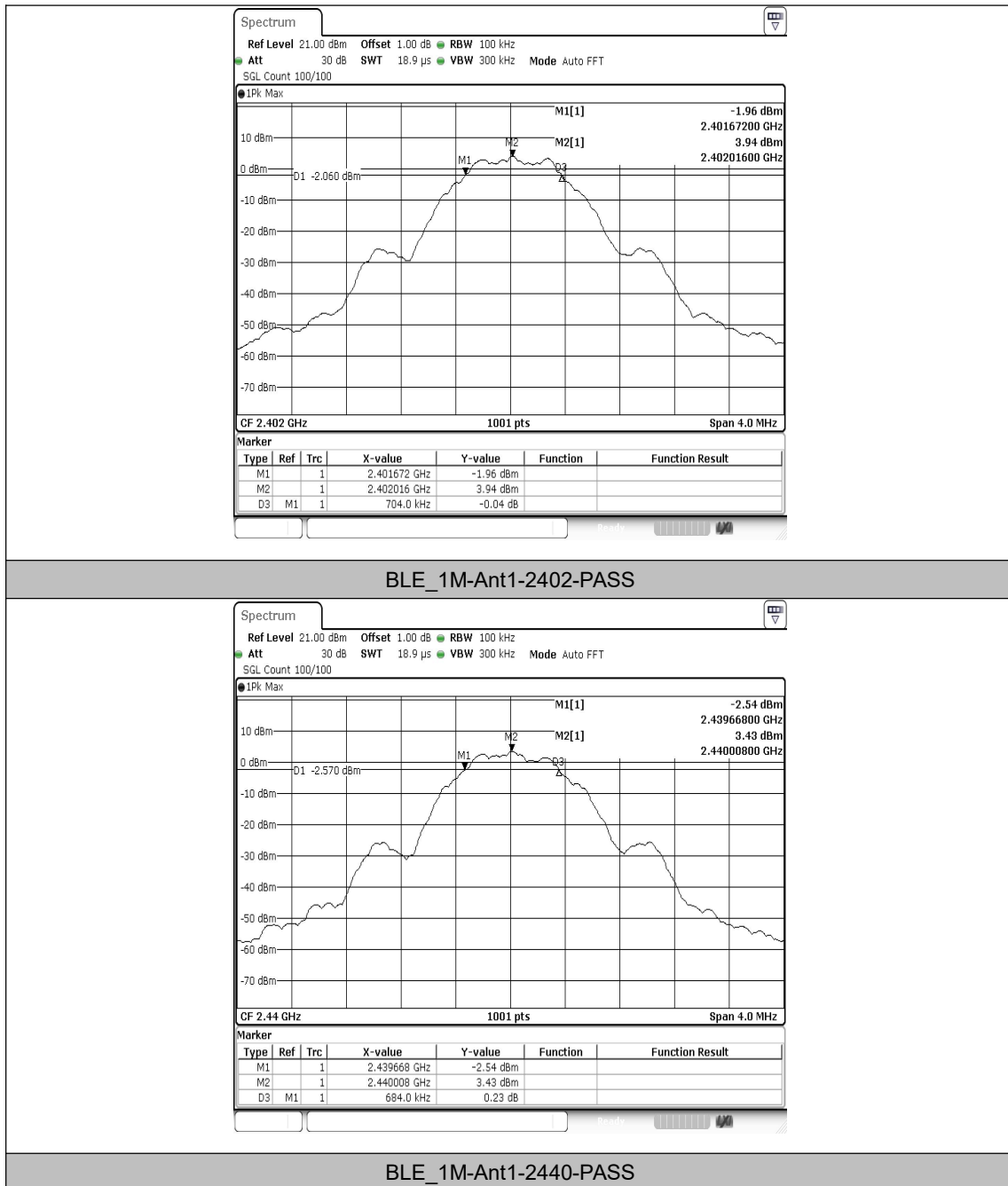
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.70	2401.67	2402.38	0.5	PASS
BLE_1M	Ant1	2440	0.68	2439.67	2440.35	0.5	PASS
BLE_1M	Ant1	2480	0.69	2479.66	2480.36	0.5	PASS



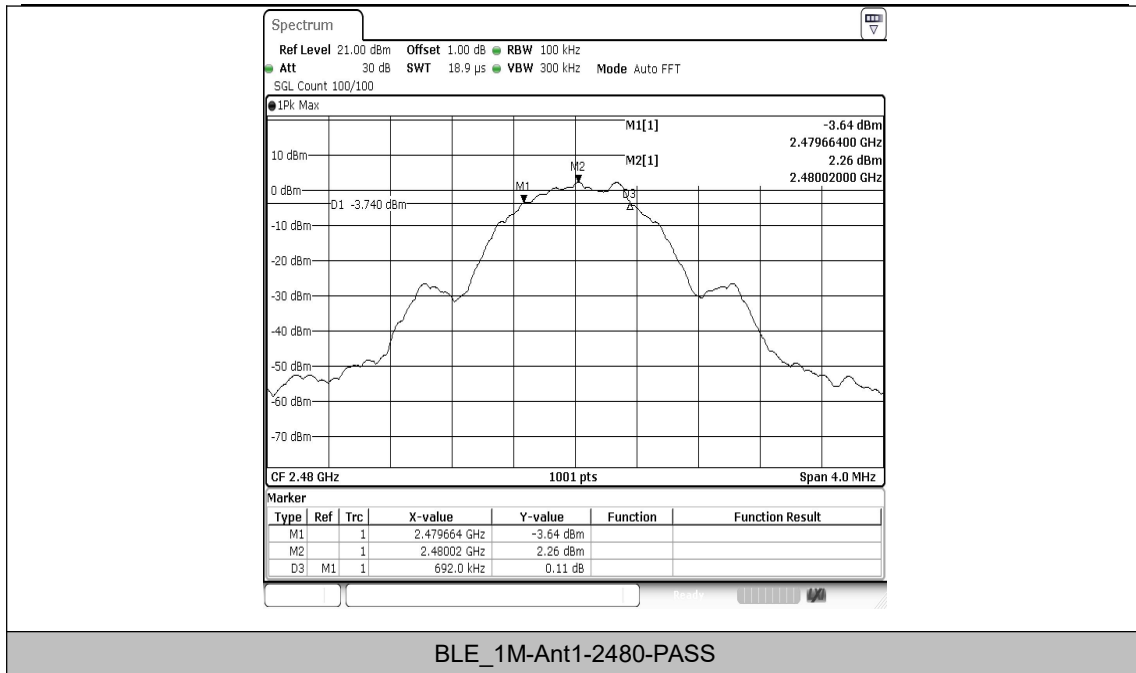
Test Graphs



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Appendix B: 99% Occupied Bandwidth

Test Result

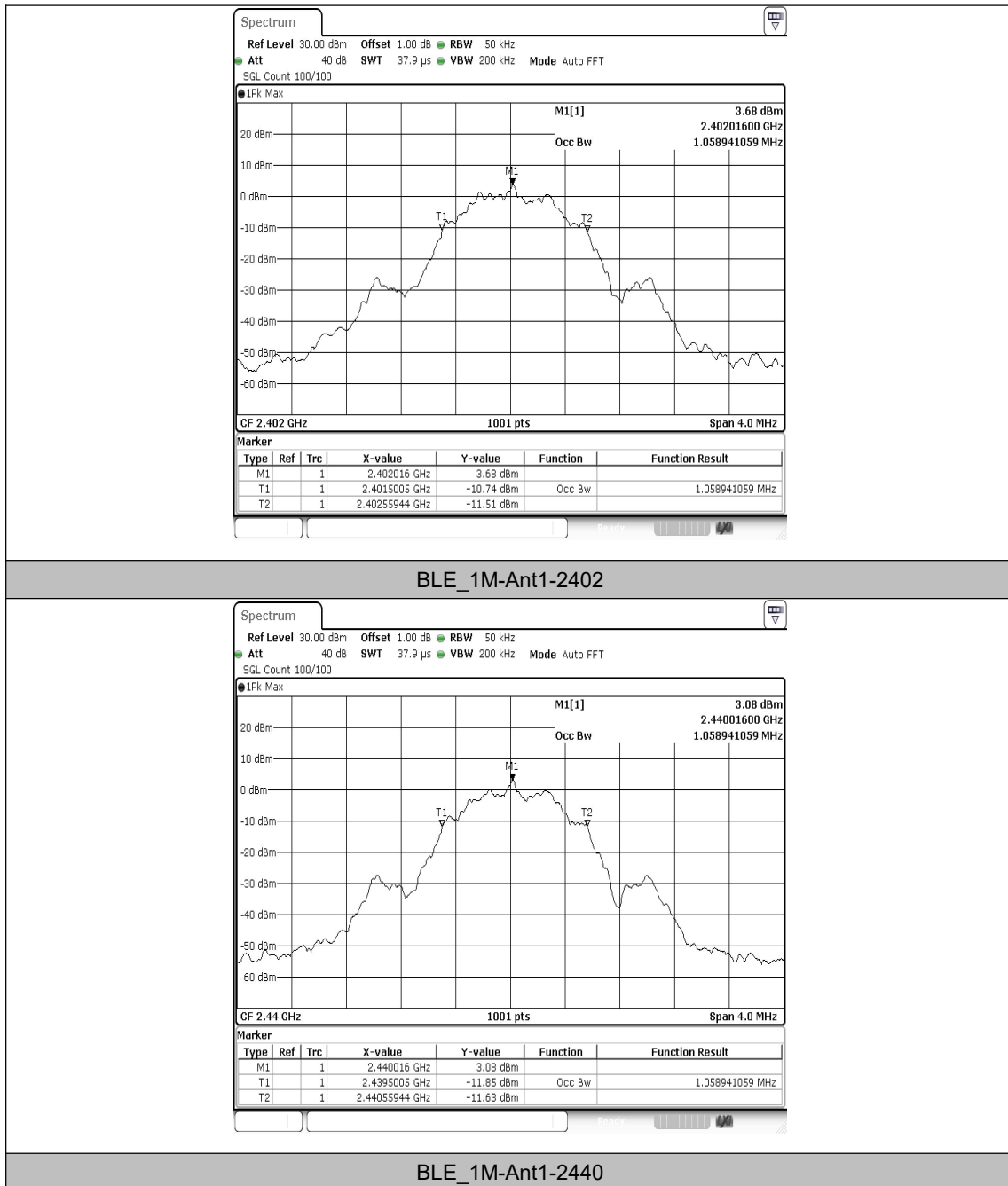
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0589	2401.5005	2402.5594	---	---
BLE_1M	Ant1	2440	1.0589	2439.5005	2440.5594	---	---
BLE_1M	Ant1	2480	1.0669	2479.4965	2480.5634	---	---

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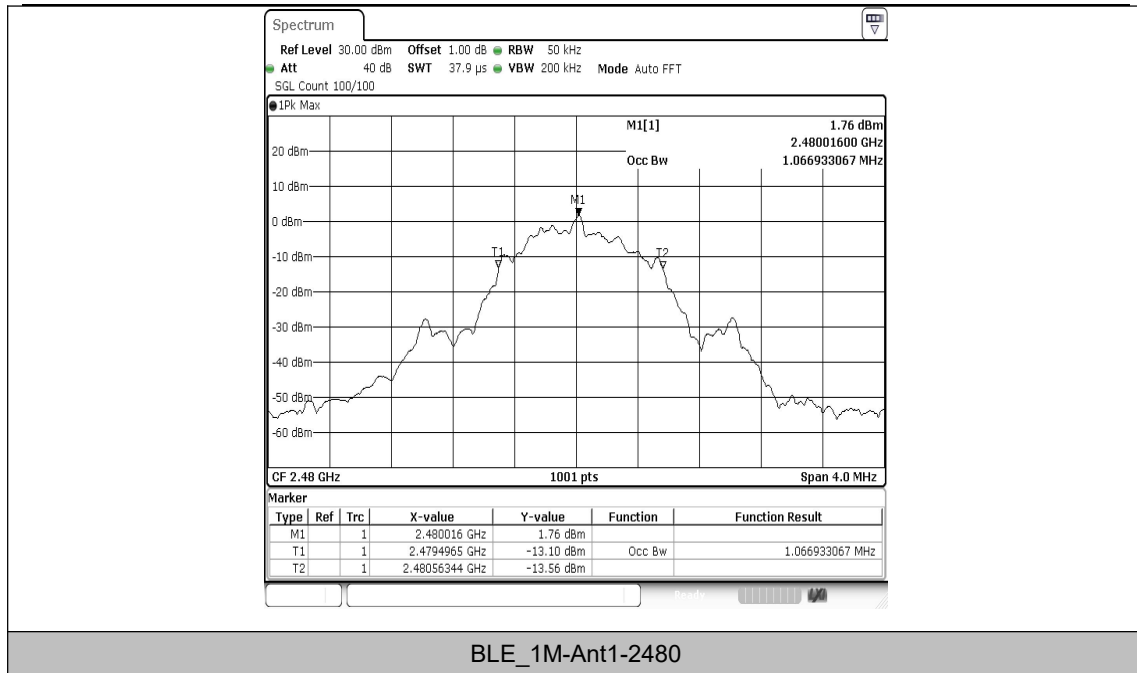
Test Graphs



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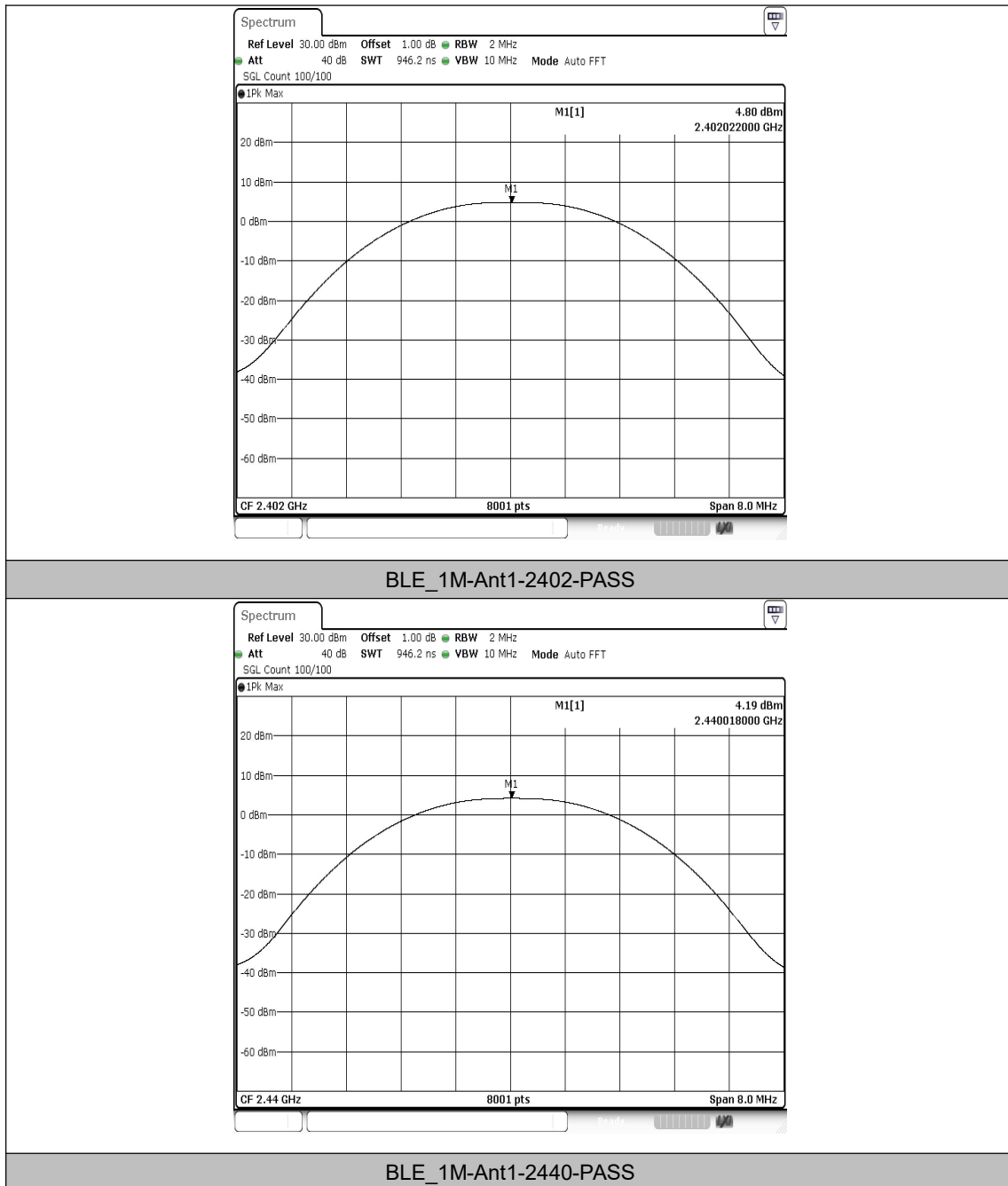
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	4.80	≤30	PASS
BLE_1M	Ant1	2440	4.19	≤30	PASS
BLE_1M	Ant1	2480	2.89	≤30	PASS



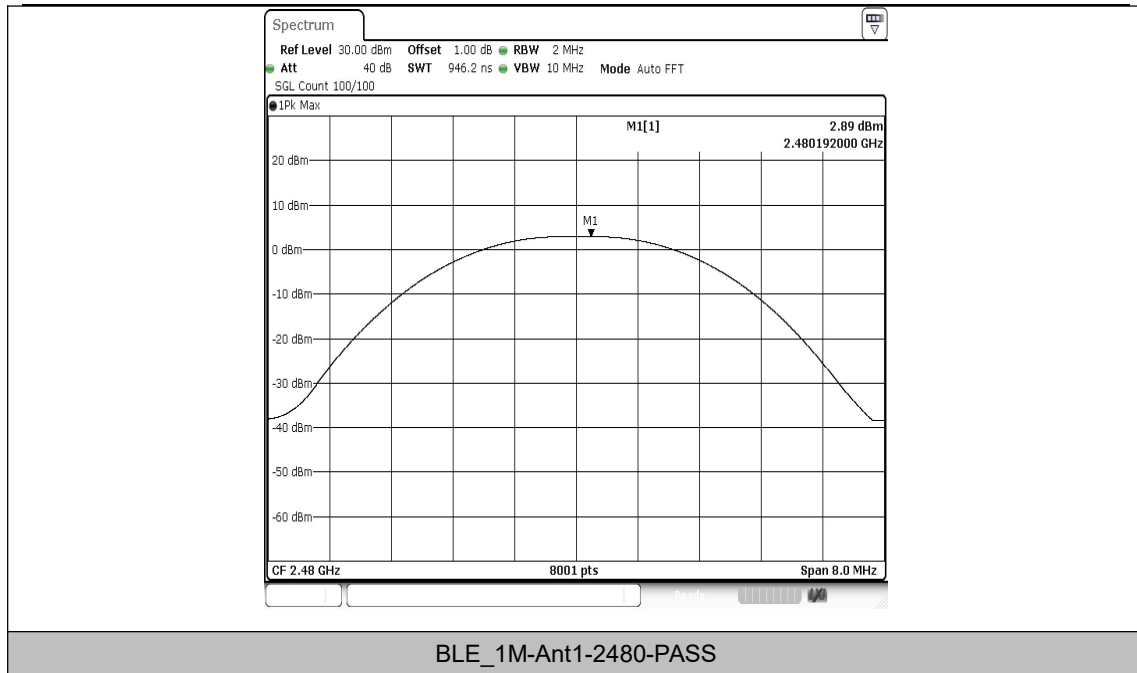
Test Graphs Peak



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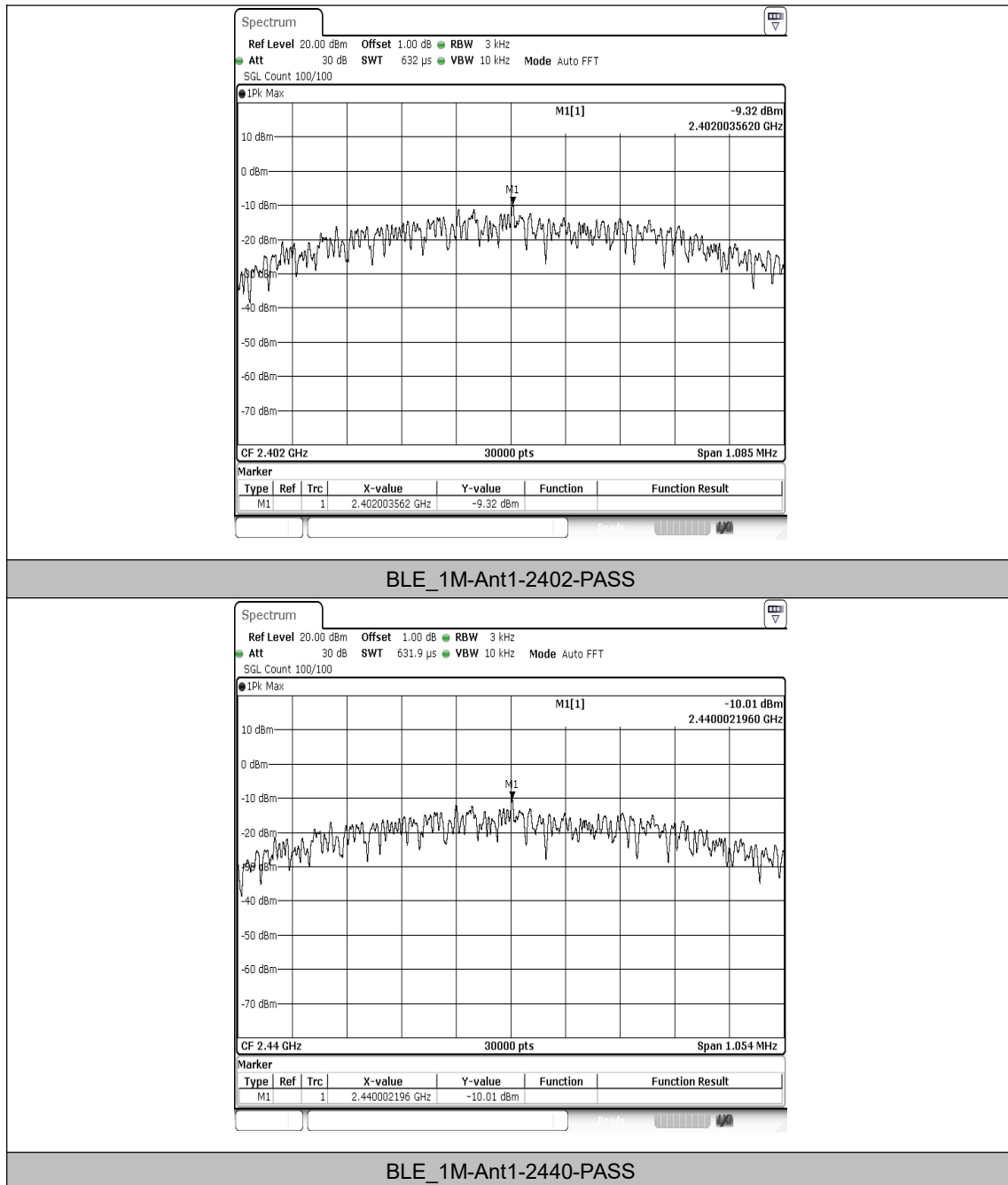
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-9.32	≤8.00	PASS
BLE_1M	Ant1	2440	-10.01	≤8.00	PASS
BLE_1M	Ant1	2480	-11.23	≤8.00	PASS

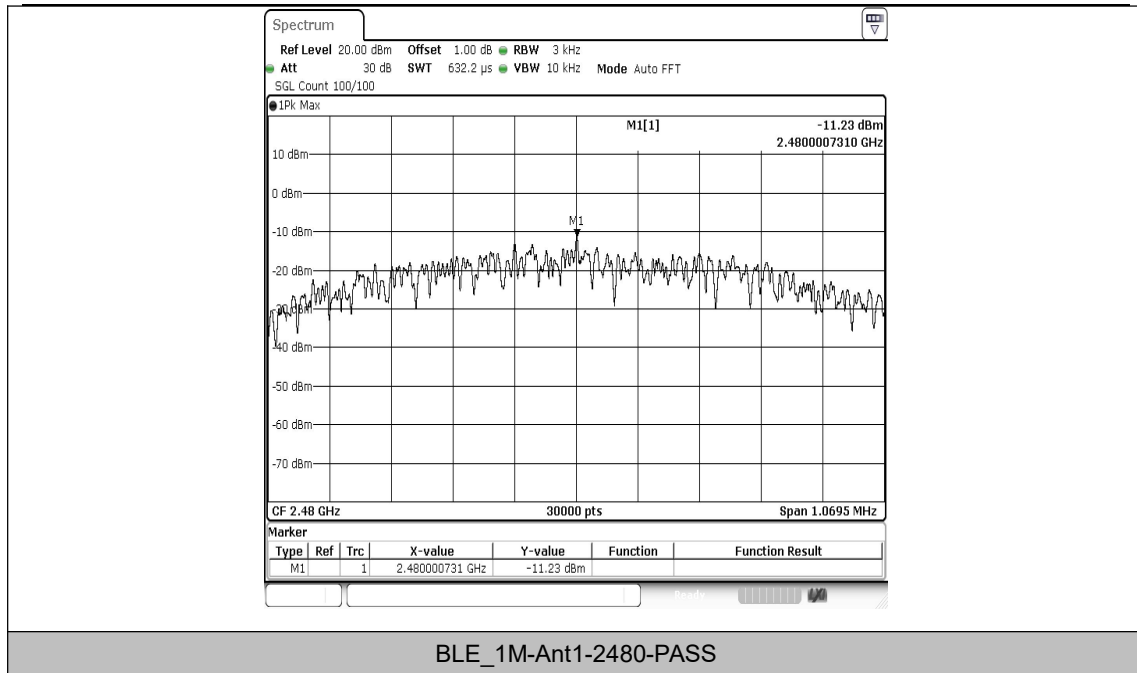
Test Graphs



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Appendix E: Band edge measurements

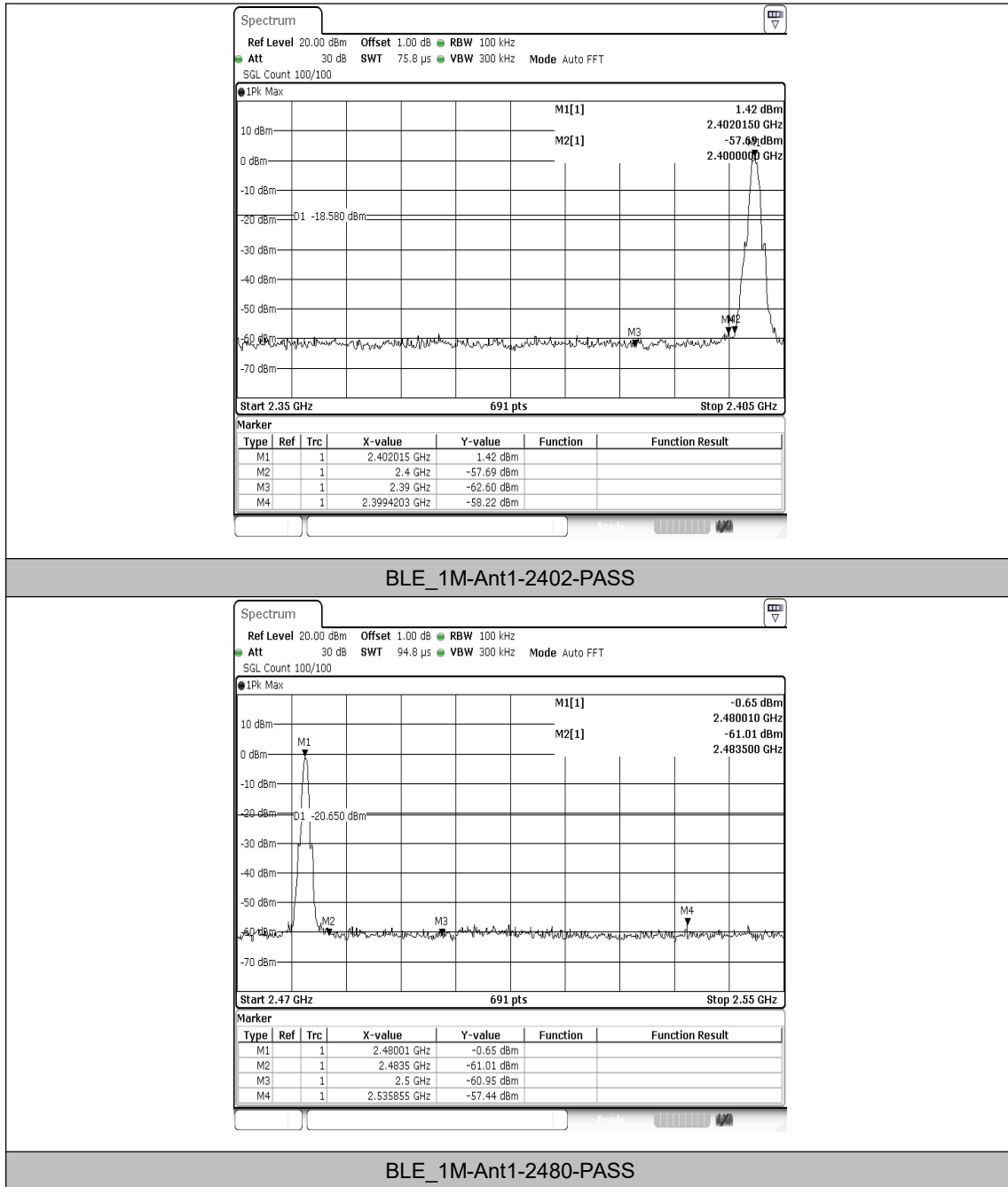
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.42	-58.22	≤-18.58	PASS
BLE_1M	Ant1	High	2480	-0.65	-57.44	≤-20.65	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

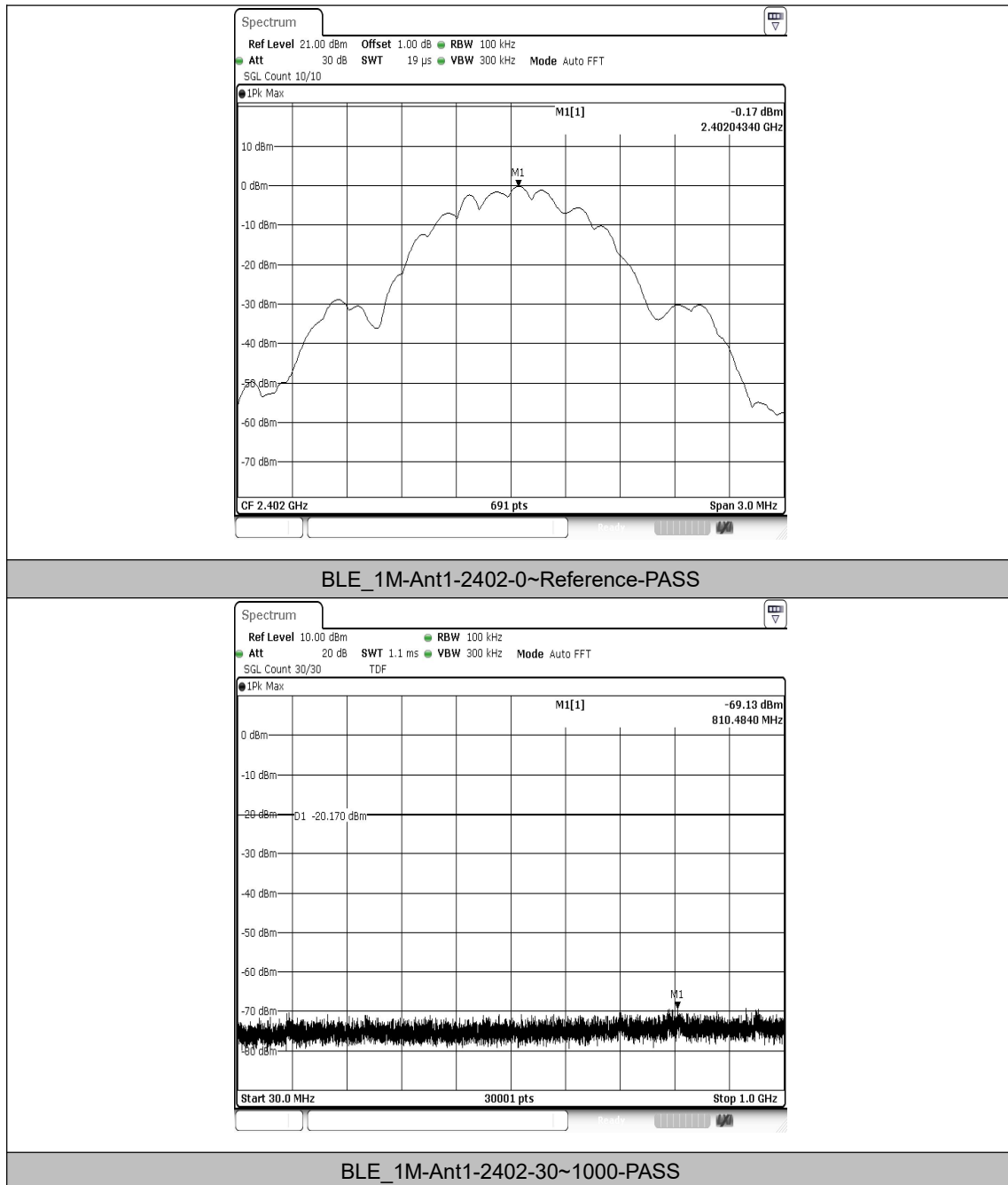
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-0.17	-0.17	---	PASS
BLE_1M	Ant1	2402	30~1000	-0.17	-69.13	≤-20.17	PASS
BLE_1M	Ant1	2402	1000~26500	-0.17	-54.32	≤-20.17	PASS
BLE_1M	Ant1	2440	0~Reference	-1.47	-1.47	---	PASS
BLE_1M	Ant1	2440	30~1000	-1.47	-69.04	≤-21.47	PASS
BLE_1M	Ant1	2440	1000~26500	-1.47	-54.83	≤-21.47	PASS
BLE_1M	Ant1	2480	0~Reference	-0.62	-0.62	---	PASS
BLE_1M	Ant1	2480	30~1000	-0.62	-69.19	≤-20.62	PASS
BLE_1M	Ant1	2480	1000~26500	-0.62	-55.03	≤-20.62	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.



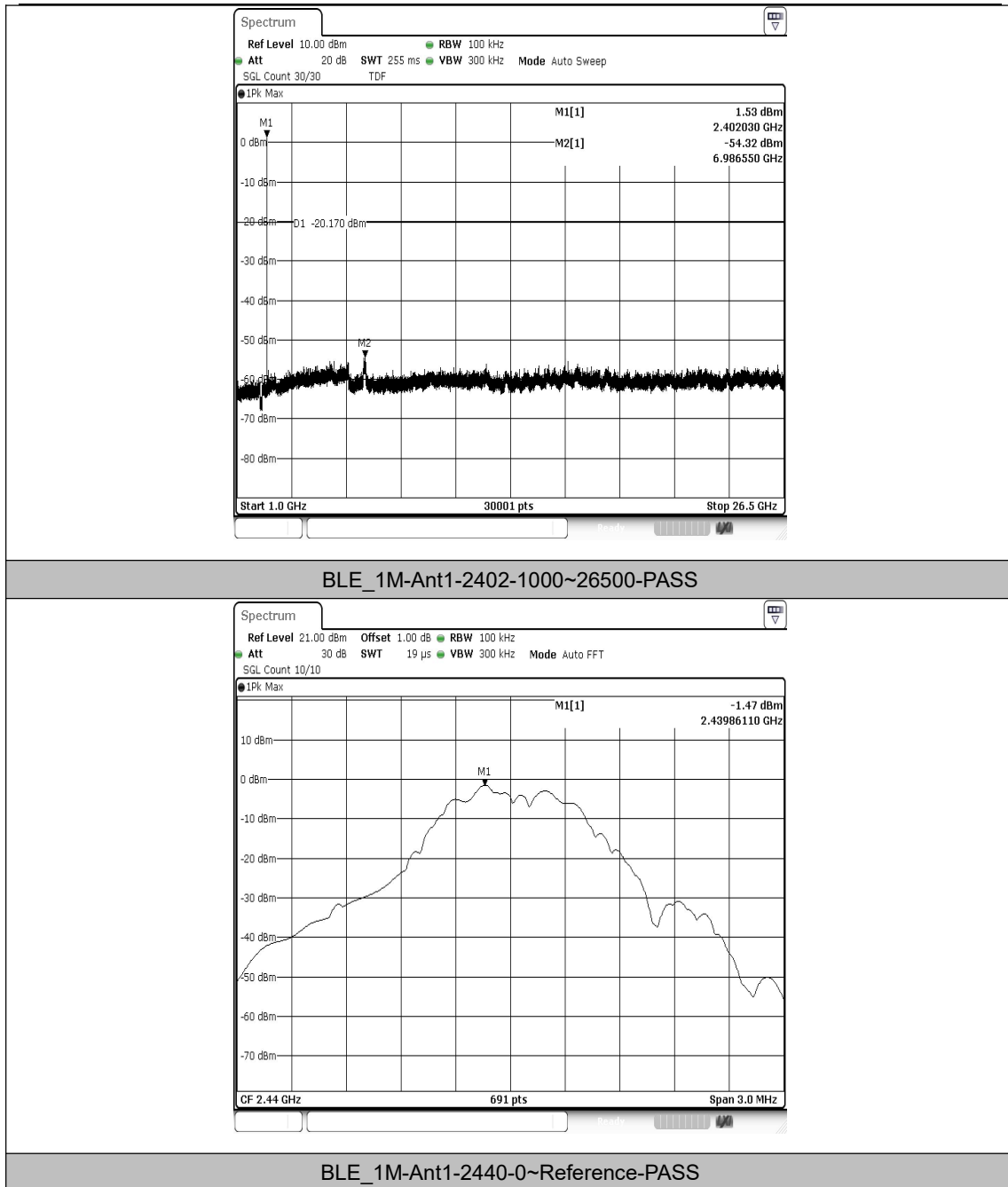
Test Graphs



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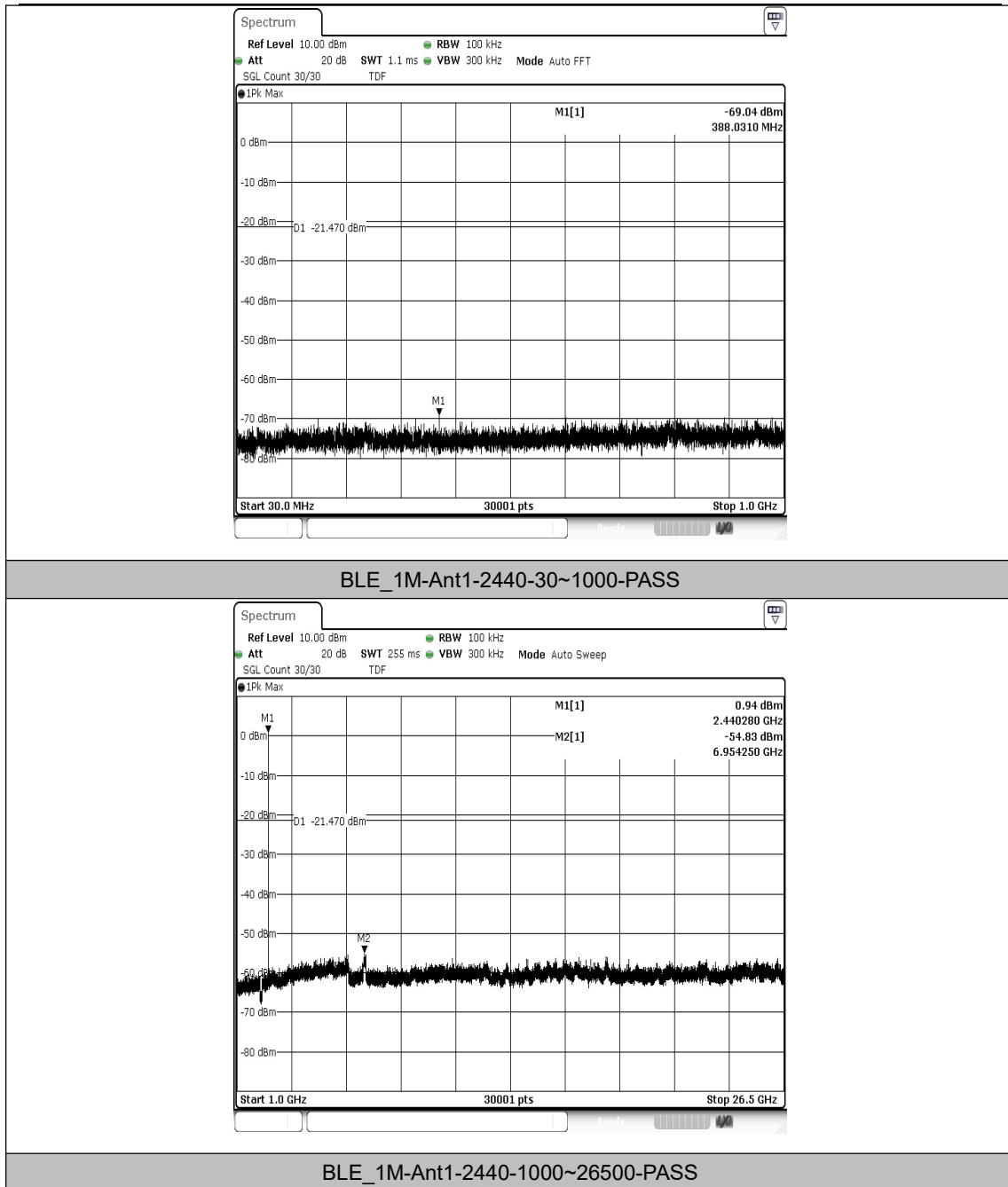
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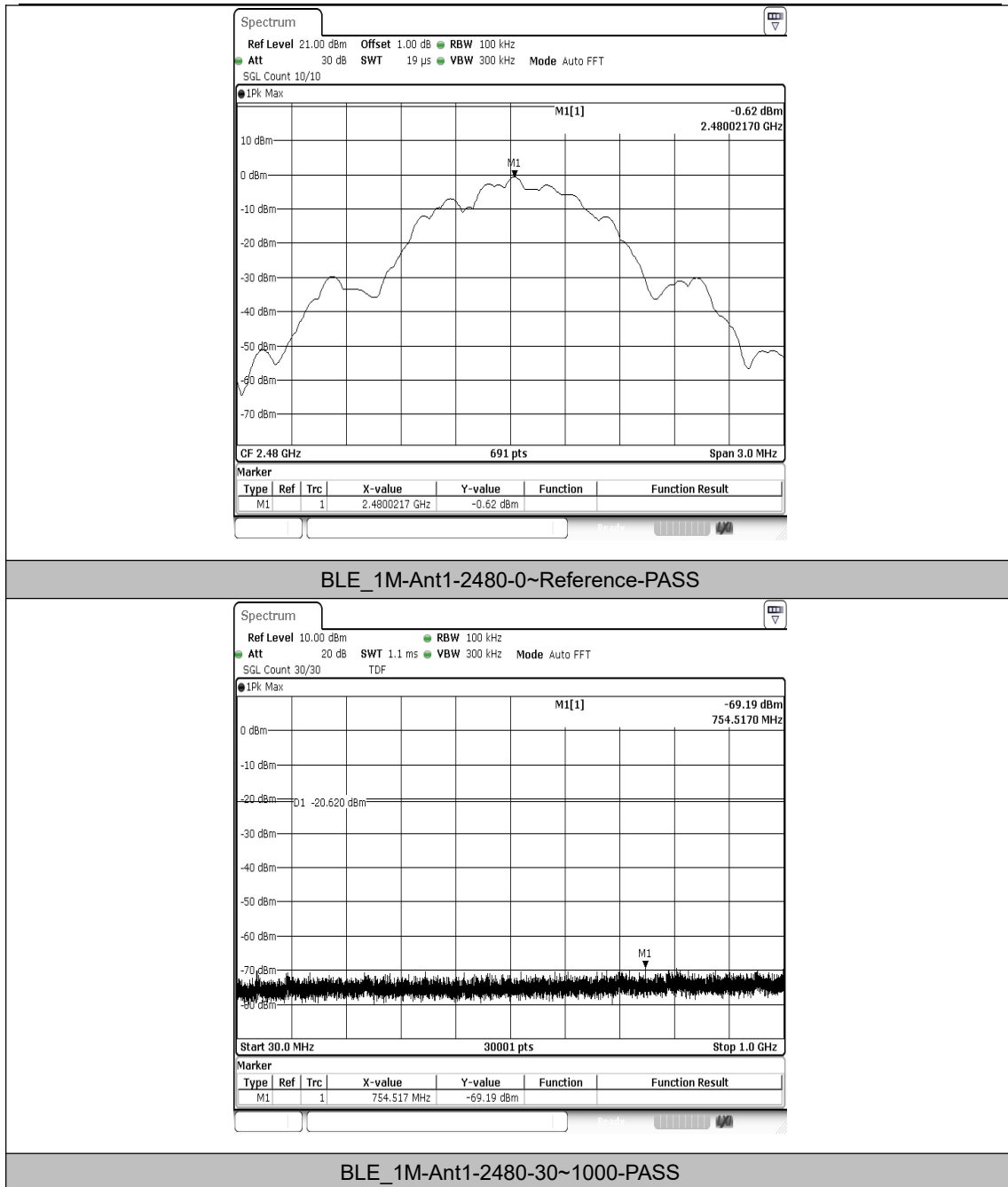
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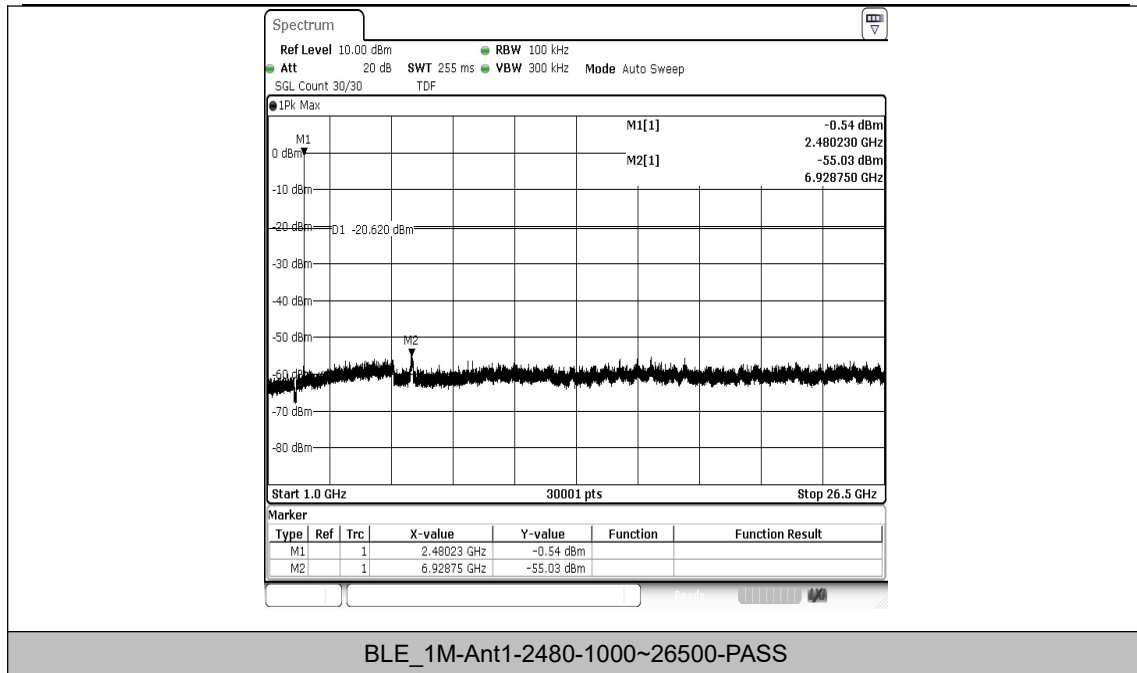


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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.39	0.62	62.90	2.01
BLE_1M	Ant1	2440	0.39	0.63	61.90	2.08
BLE_1M	Ant1	2480	0.39	0.62	62.90	2.01

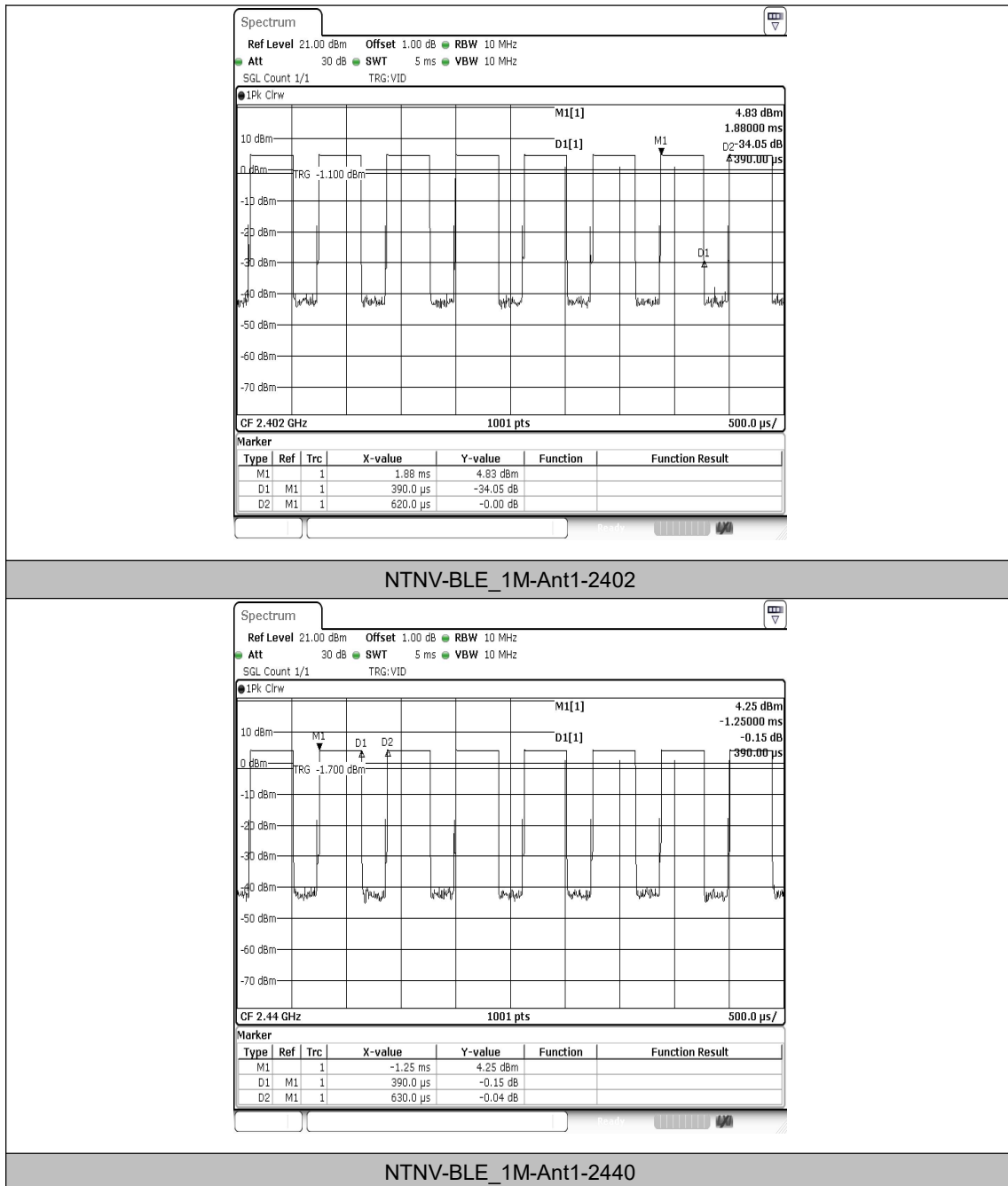
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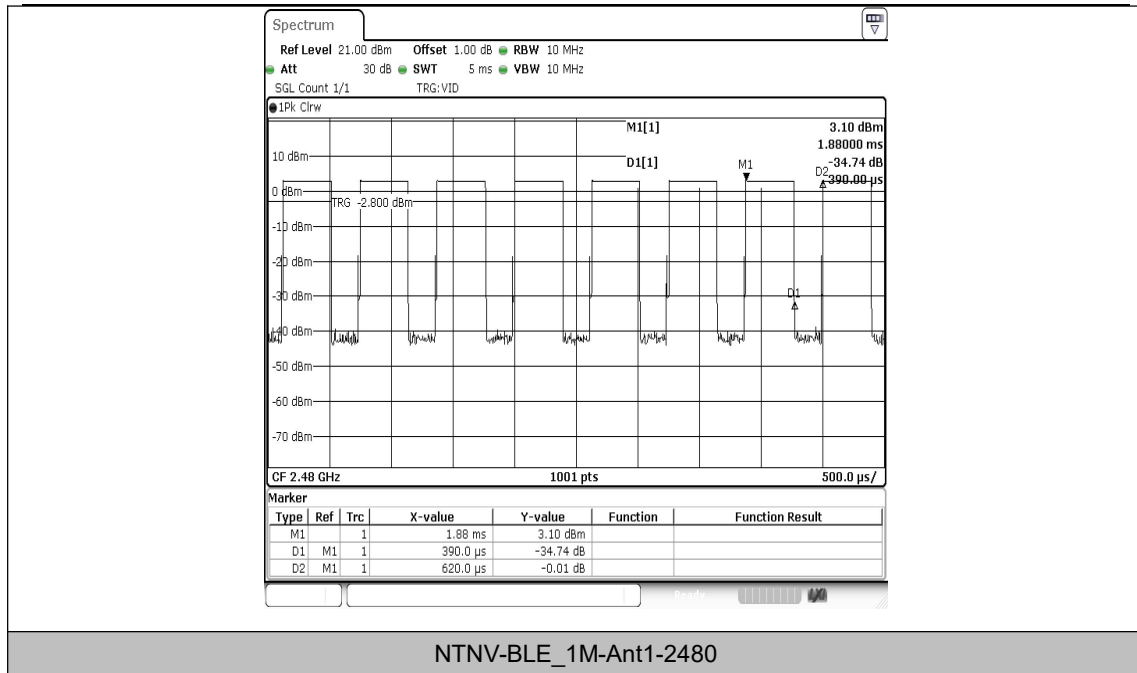
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Test Graphs





---End---

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