

Appendix Test Data

Report No.:	1812C50290512502-01	Test Sample No.:	1-2-2
Start Test Date:	2025-6-18	Finish Test Date:	2025-6-25
Test Engineer:	HuSen Guan	Auditor:	Justin Feng
Temperature:	26.4℃	Relative Humidity:	54%
Pressure:	101kPa		

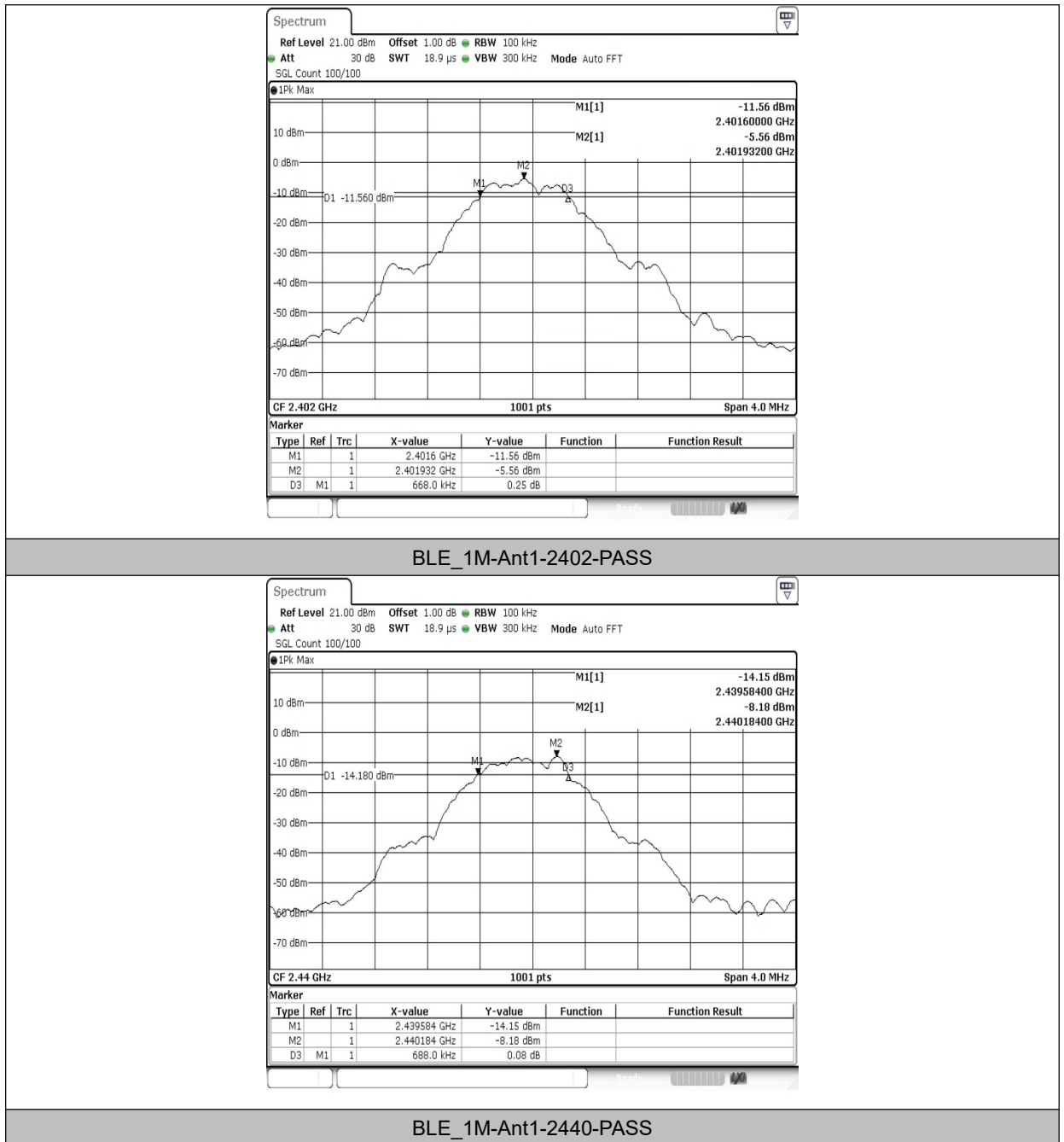


Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.67	2401.60	2402.27	0.5	PASS
BLE_1M	Ant1	2440	0.69	2439.58	2440.27	0.5	PASS
BLE_1M	Ant1	2480	0.66	2479.60	2480.26	0.5	PASS

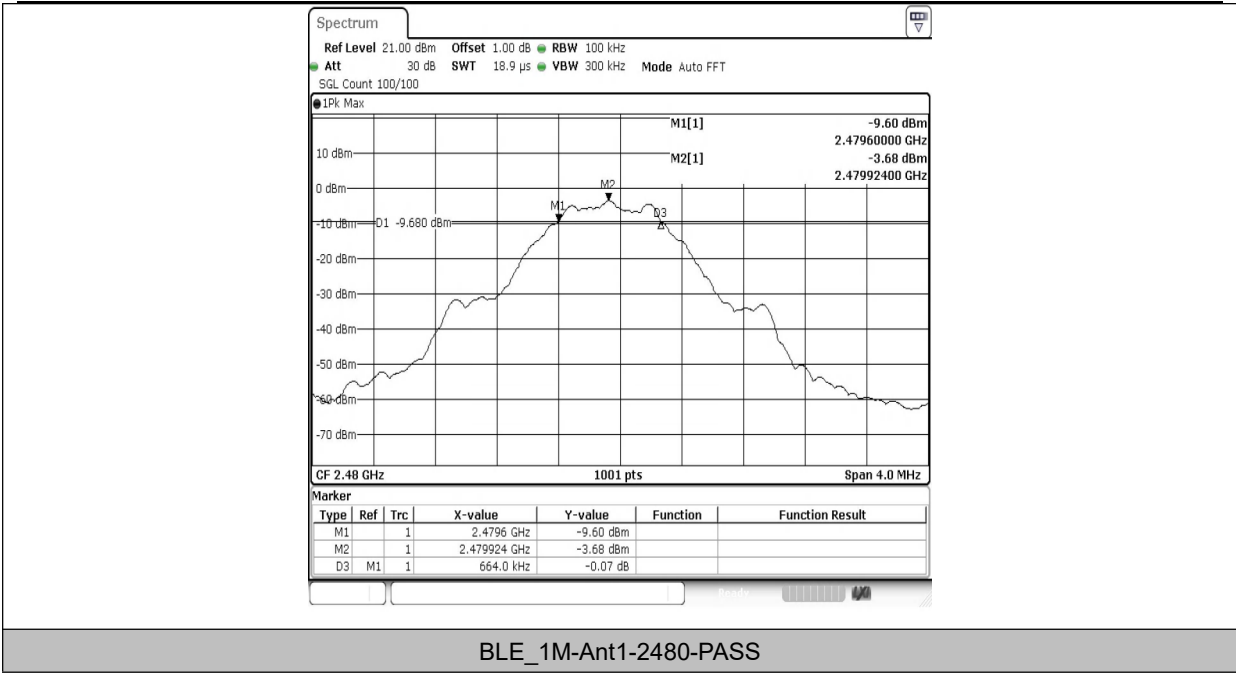
Test Graphs



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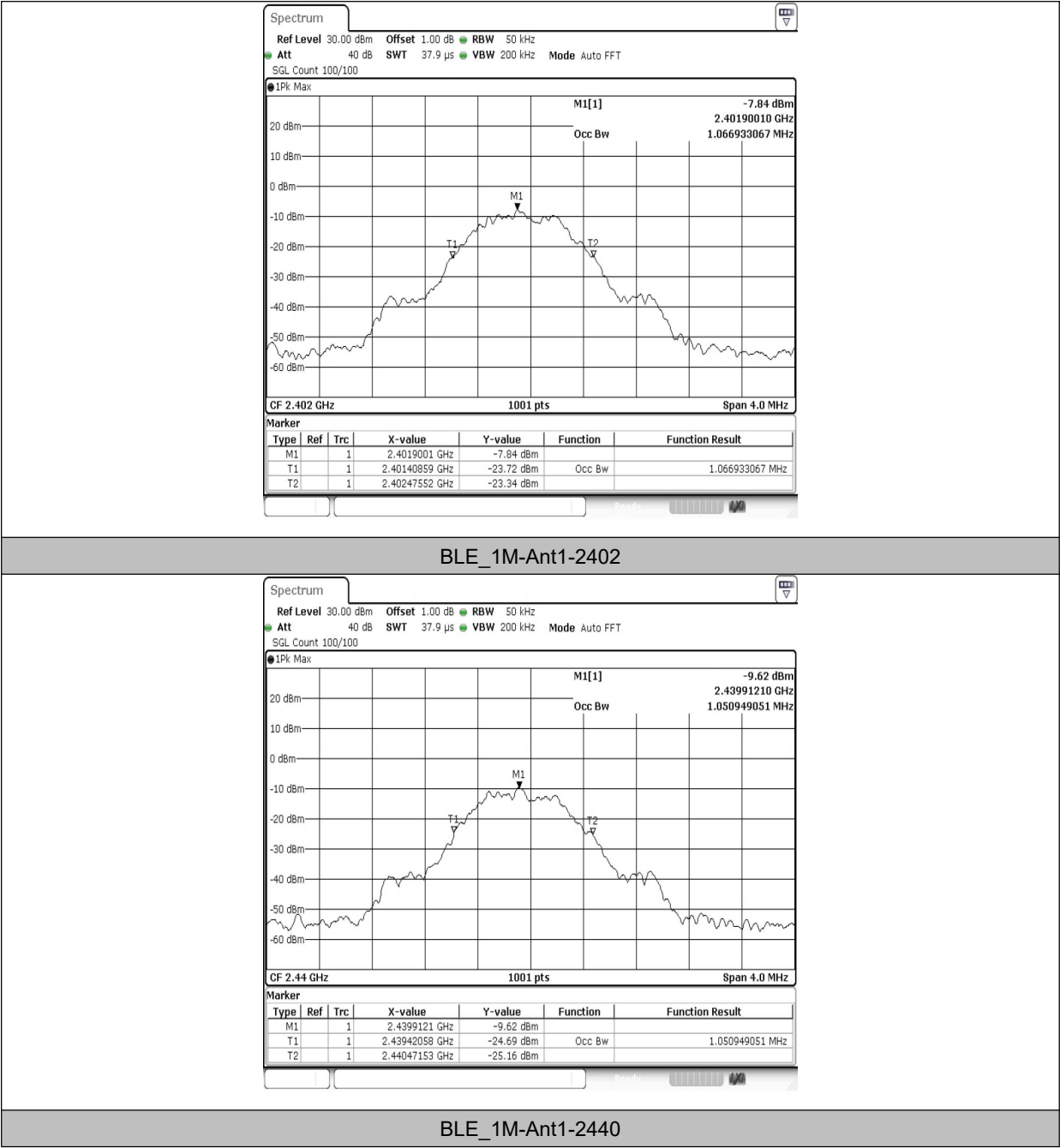
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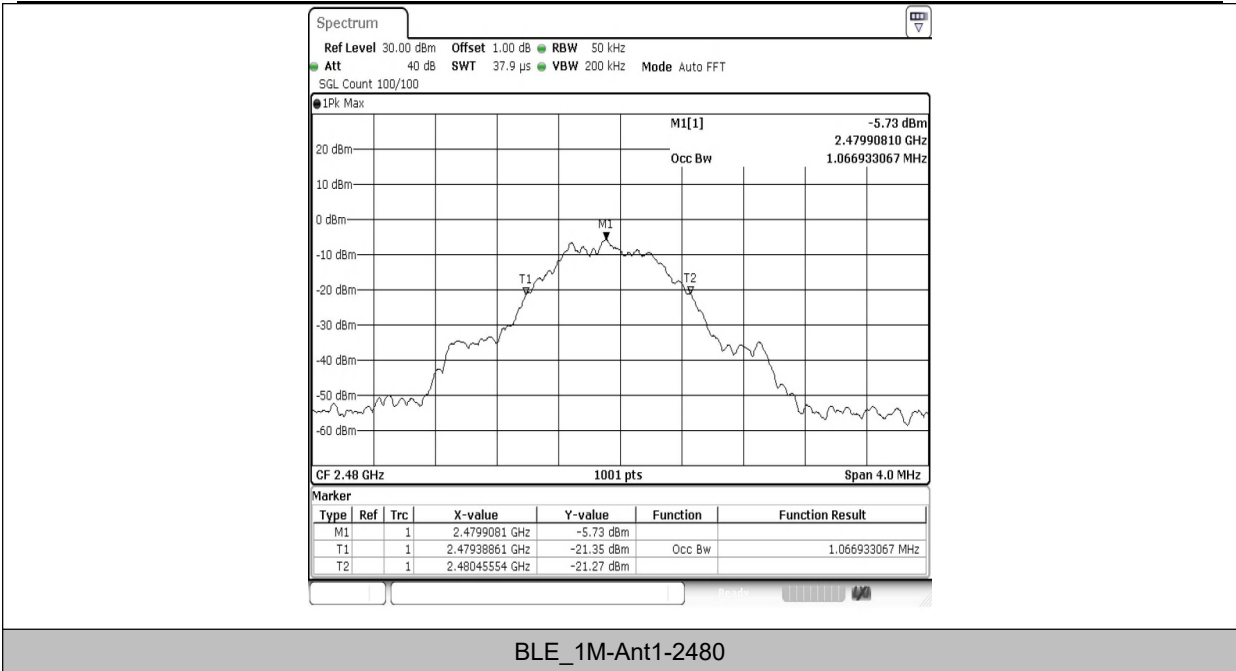
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0669	2401.4086	2402.4755	---	---
BLE_1M	Ant1	2440	1.0509	2439.4206	2440.4715	---	---
BLE_1M	Ant1	2480	1.0669	2479.3886	2480.4555	---	---

Test Graphs





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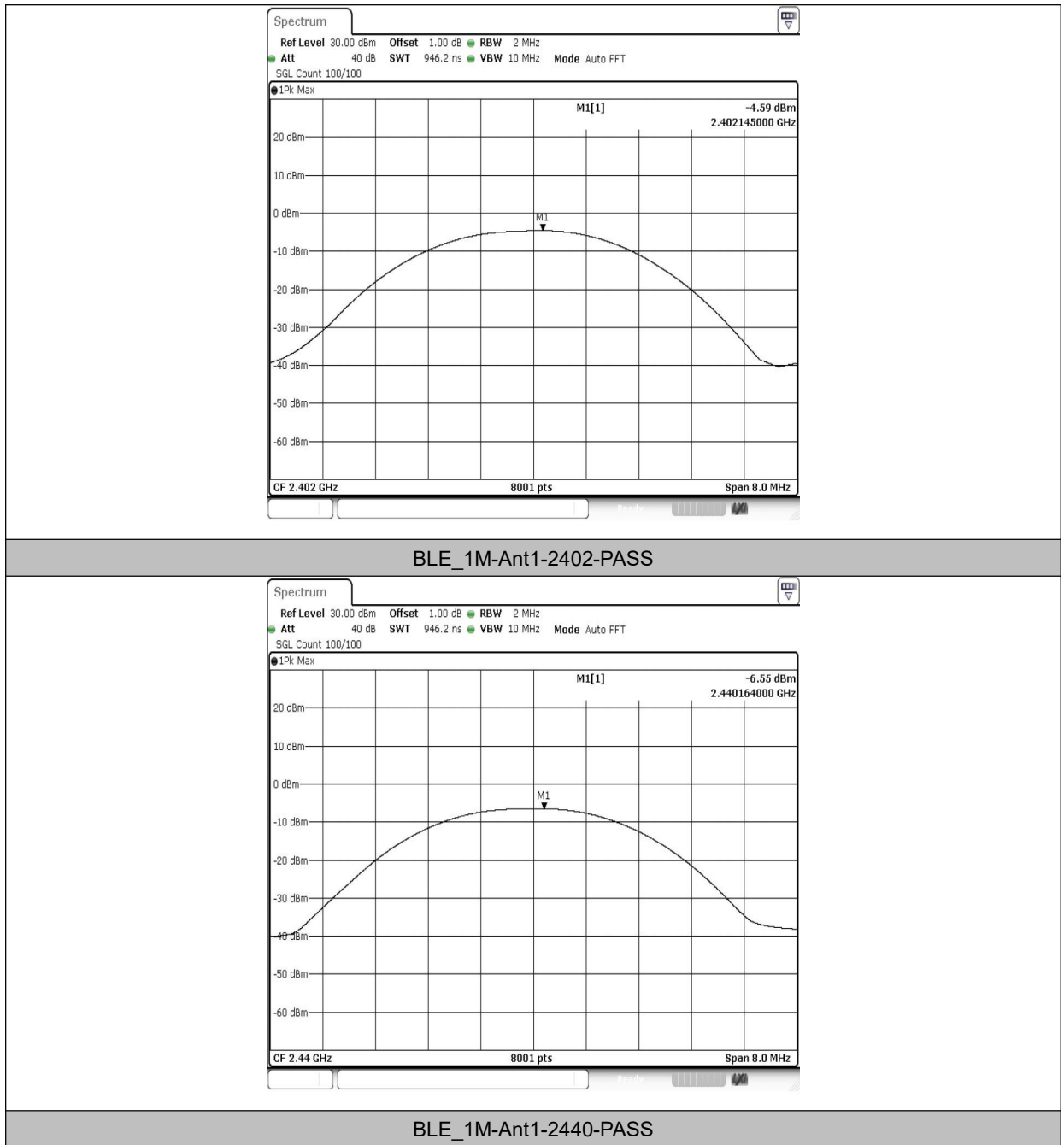
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-4.59	≤30	PASS
BLE_1M	Ant1	2440	-6.55	≤30	PASS
BLE_1M	Ant1	2480	-2.59	≤30	PASS

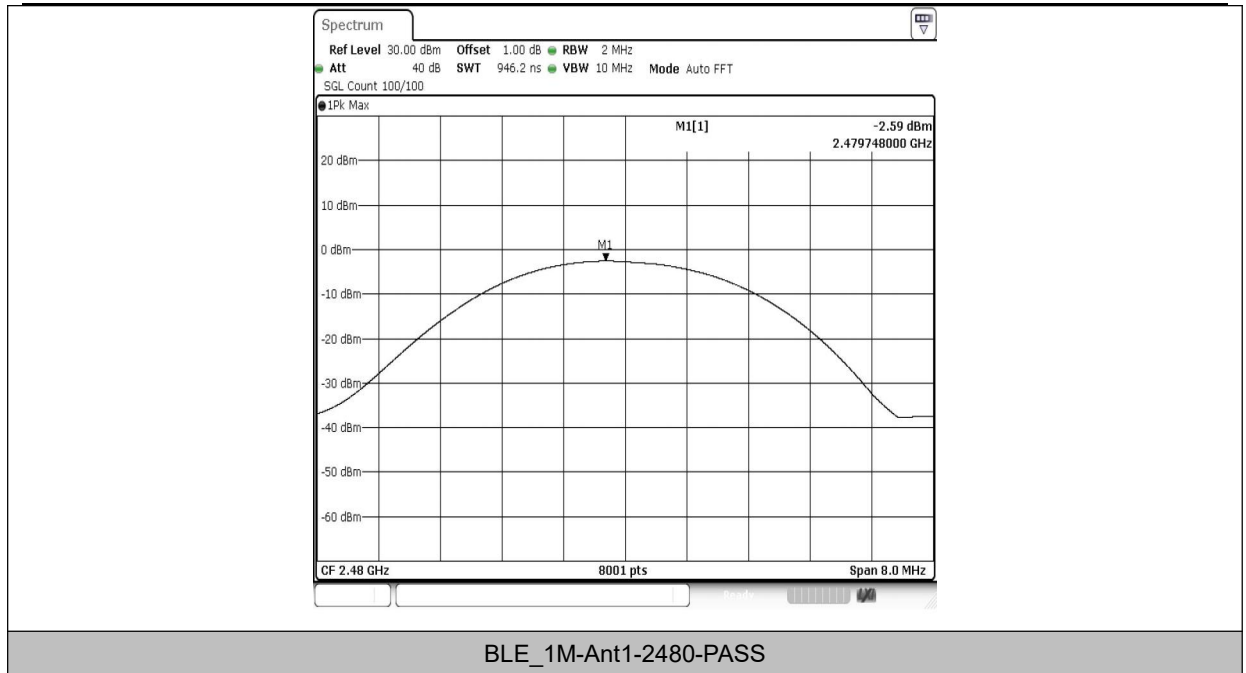
Test Graphs Peak



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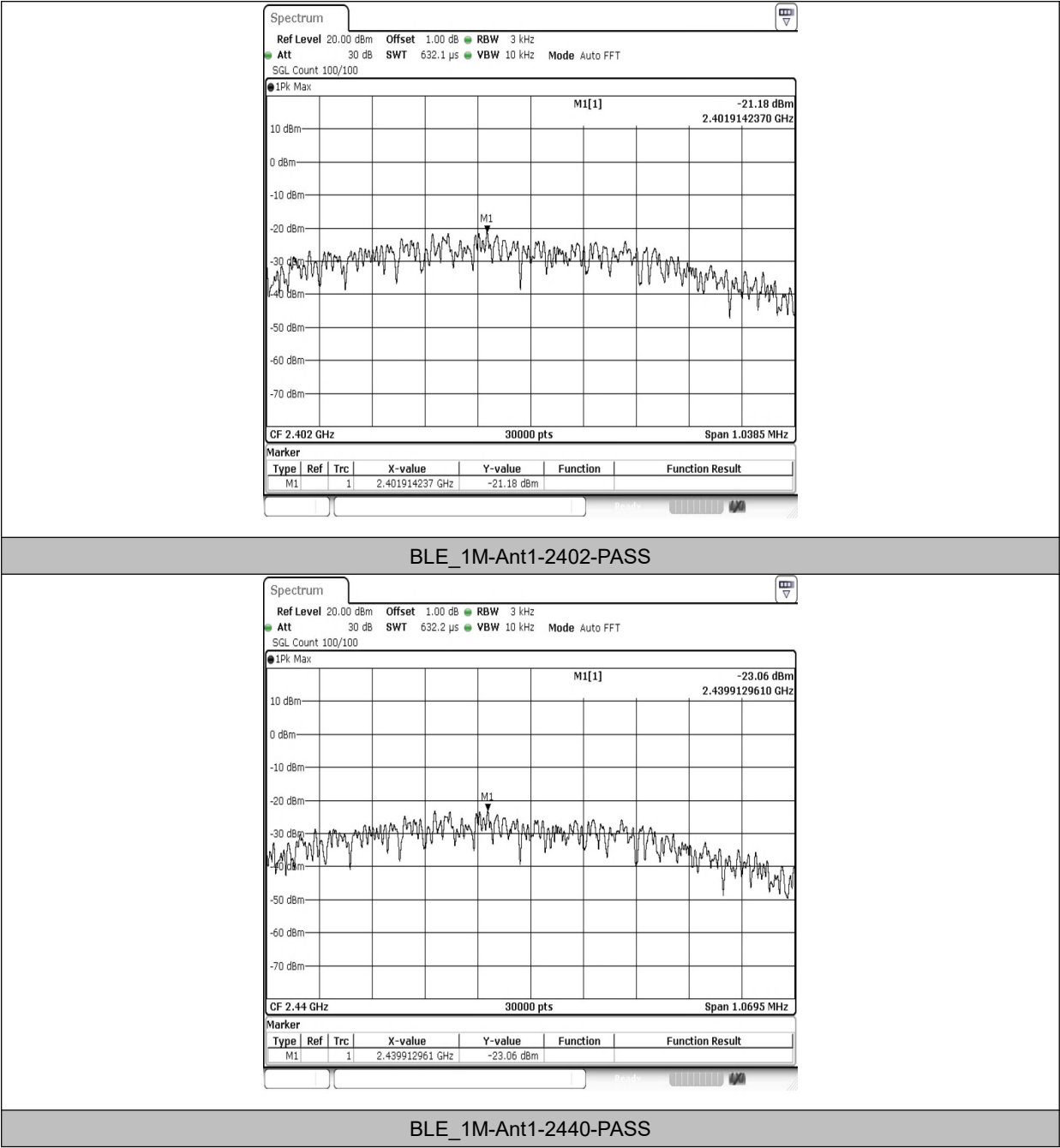
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-21.18	≤8.00	PASS
BLE_1M	Ant1	2440	-23.06	≤8.00	PASS
BLE_1M	Ant1	2480	-19.19	≤8.00	PASS

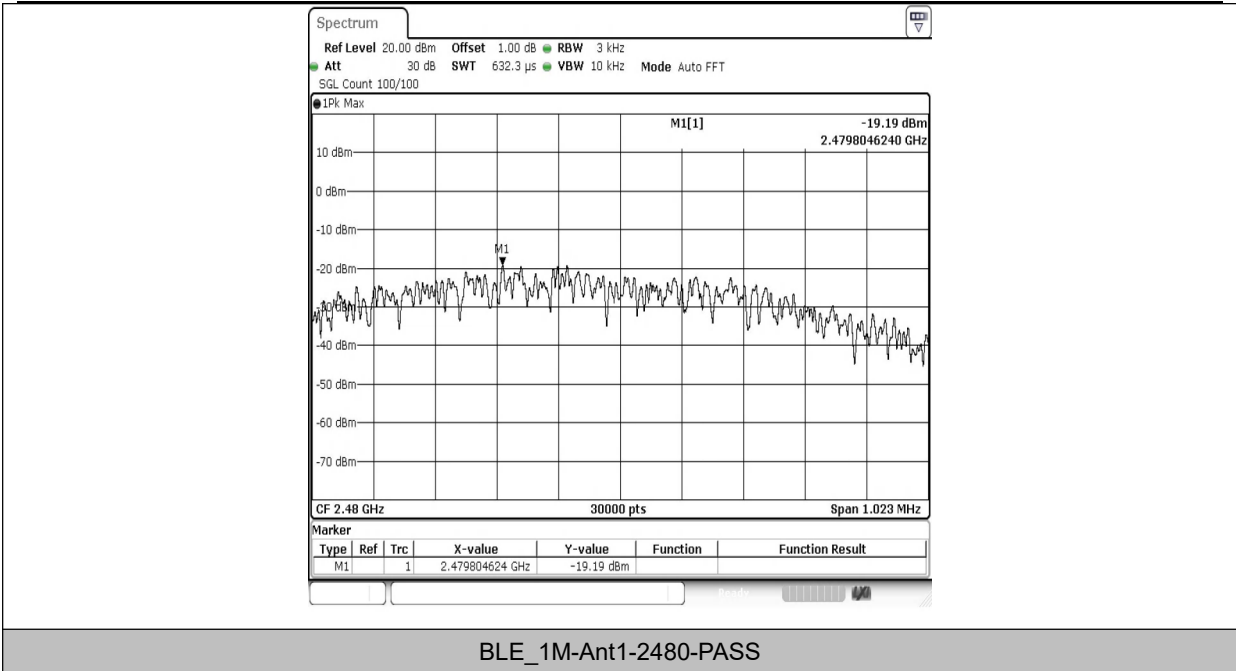
Test Graphs



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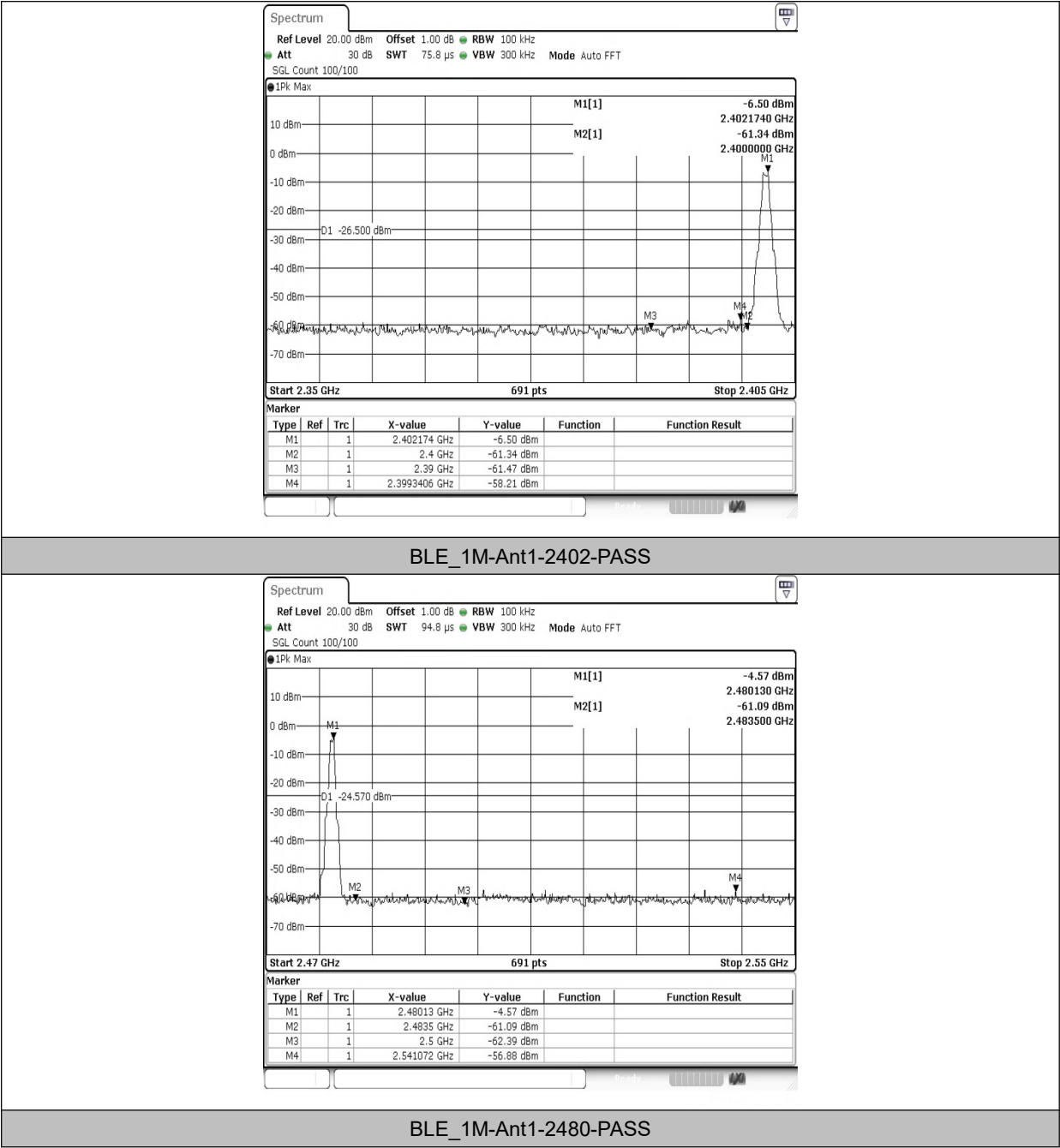
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-6.50	-58.21	≤-26.5	PASS
BLE_1M	Ant1	High	2480	-4.57	-56.88	≤-24.57	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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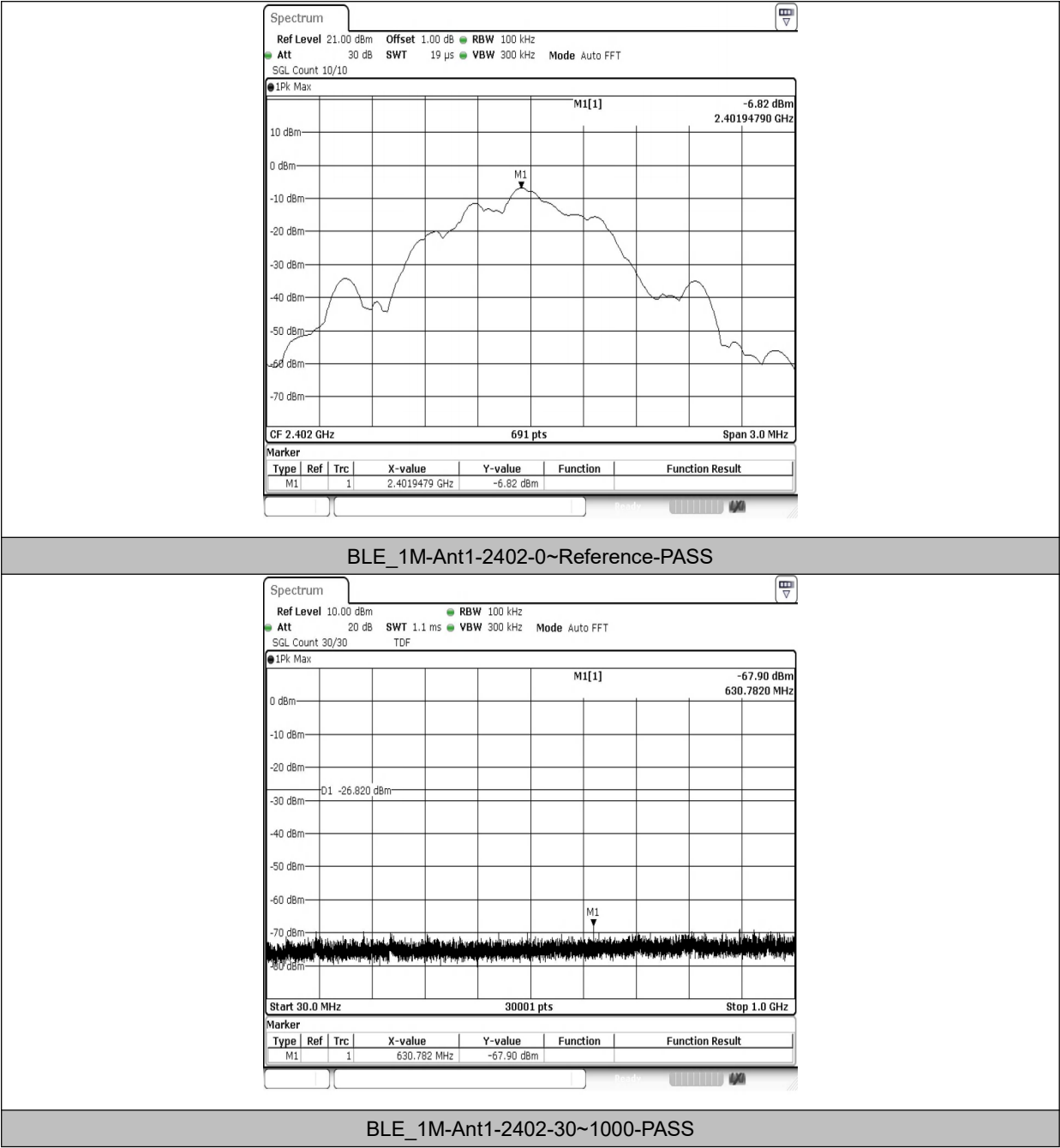
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-6.82	-6.82	---	PASS
BLE_1M	Ant1	2402	30~1000	-6.82	-67.9	≤-26.82	PASS
BLE_1M	Ant1	2402	1000~26500	-6.82	-43.69	≤-26.82	PASS
BLE_1M	Ant1	2440	0~Reference	-8.95	-8.95	---	PASS
BLE_1M	Ant1	2440	30~1000	-8.95	-39.07	≤-28.95	PASS
BLE_1M	Ant1	2440	1000~26500	-8.95	-50.53	≤-28.95	PASS
BLE_1M	Ant1	2480	0~Reference	-5.97	-5.97	---	PASS
BLE_1M	Ant1	2480	30~1000	-5.97	-68.48	≤-25.97	PASS
BLE_1M	Ant1	2480	1000~26500	-5.97	-50.52	≤-25.97	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.

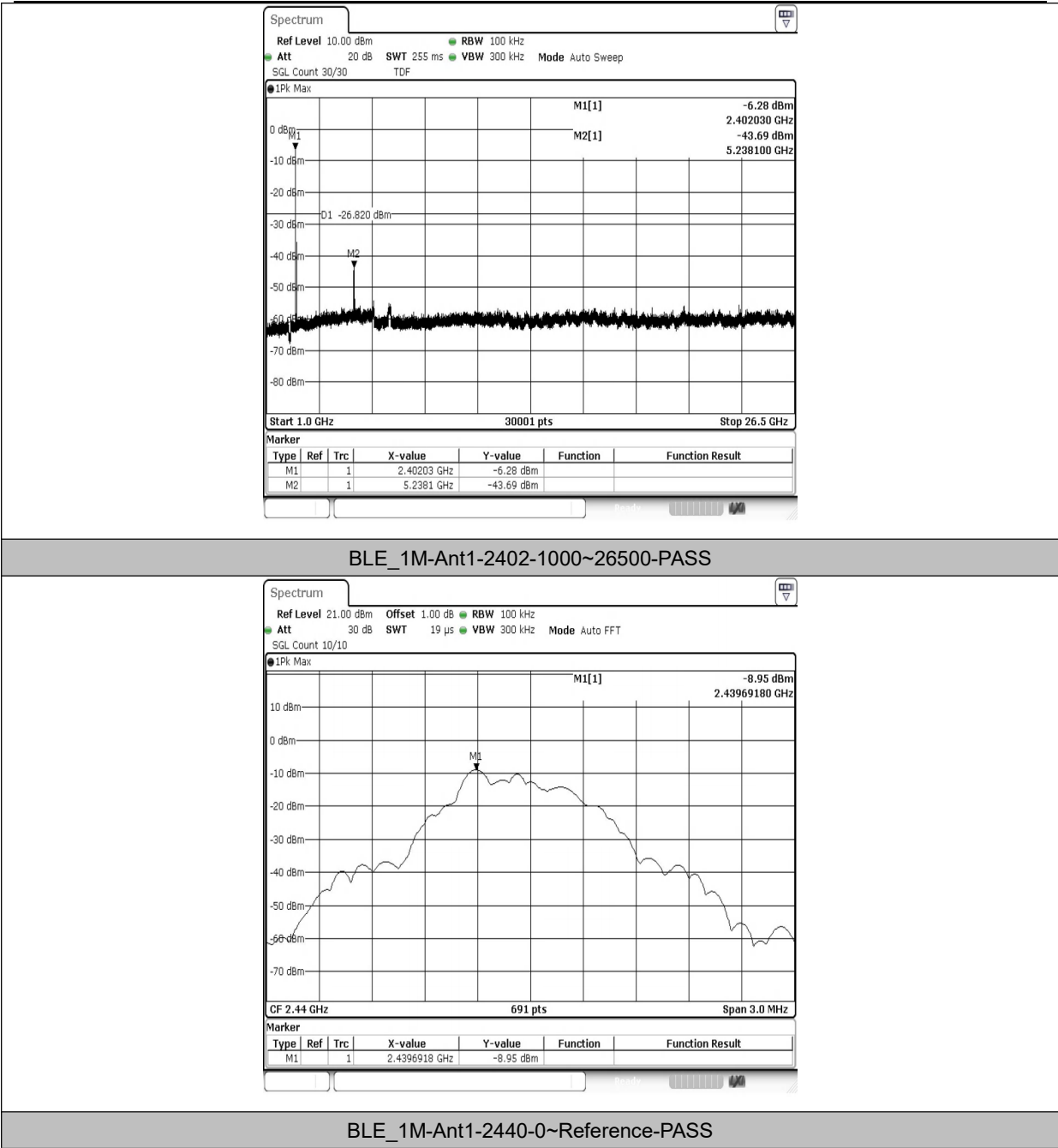
Test Graphs

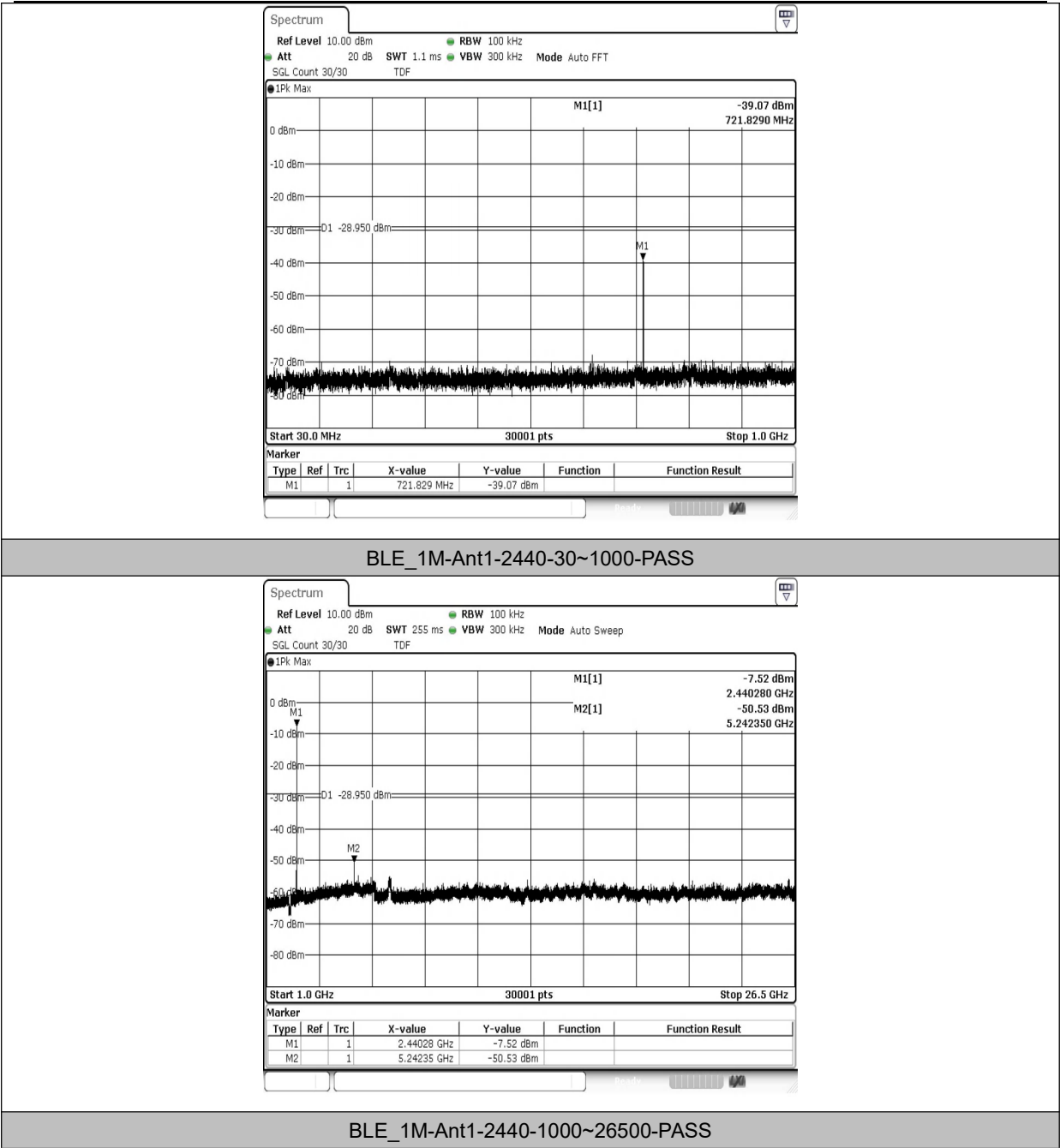


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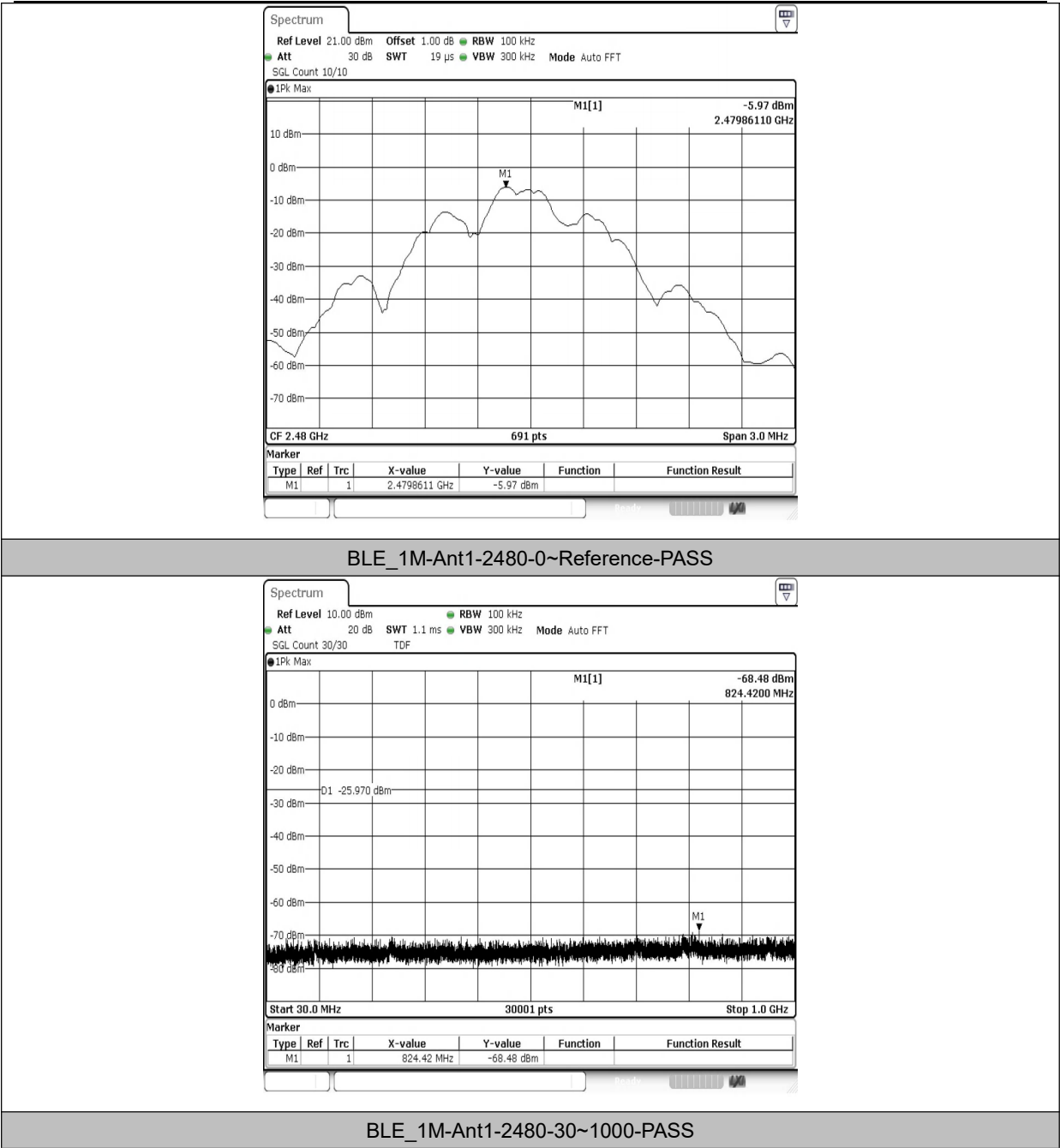




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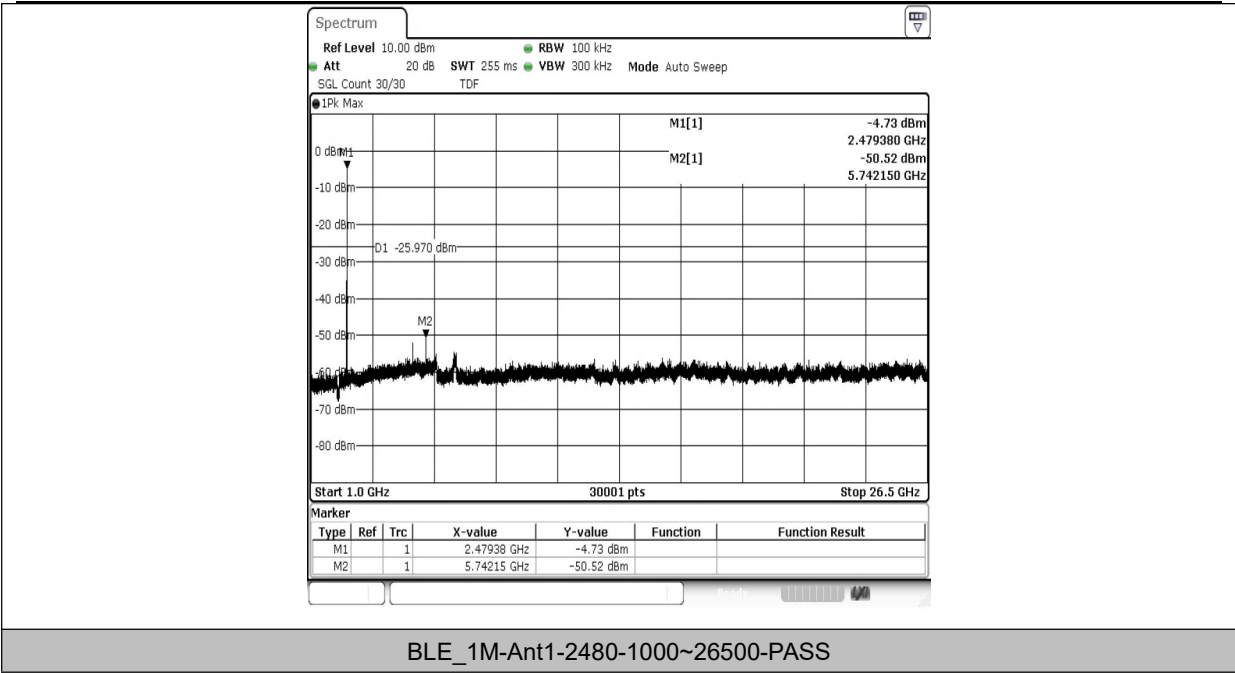
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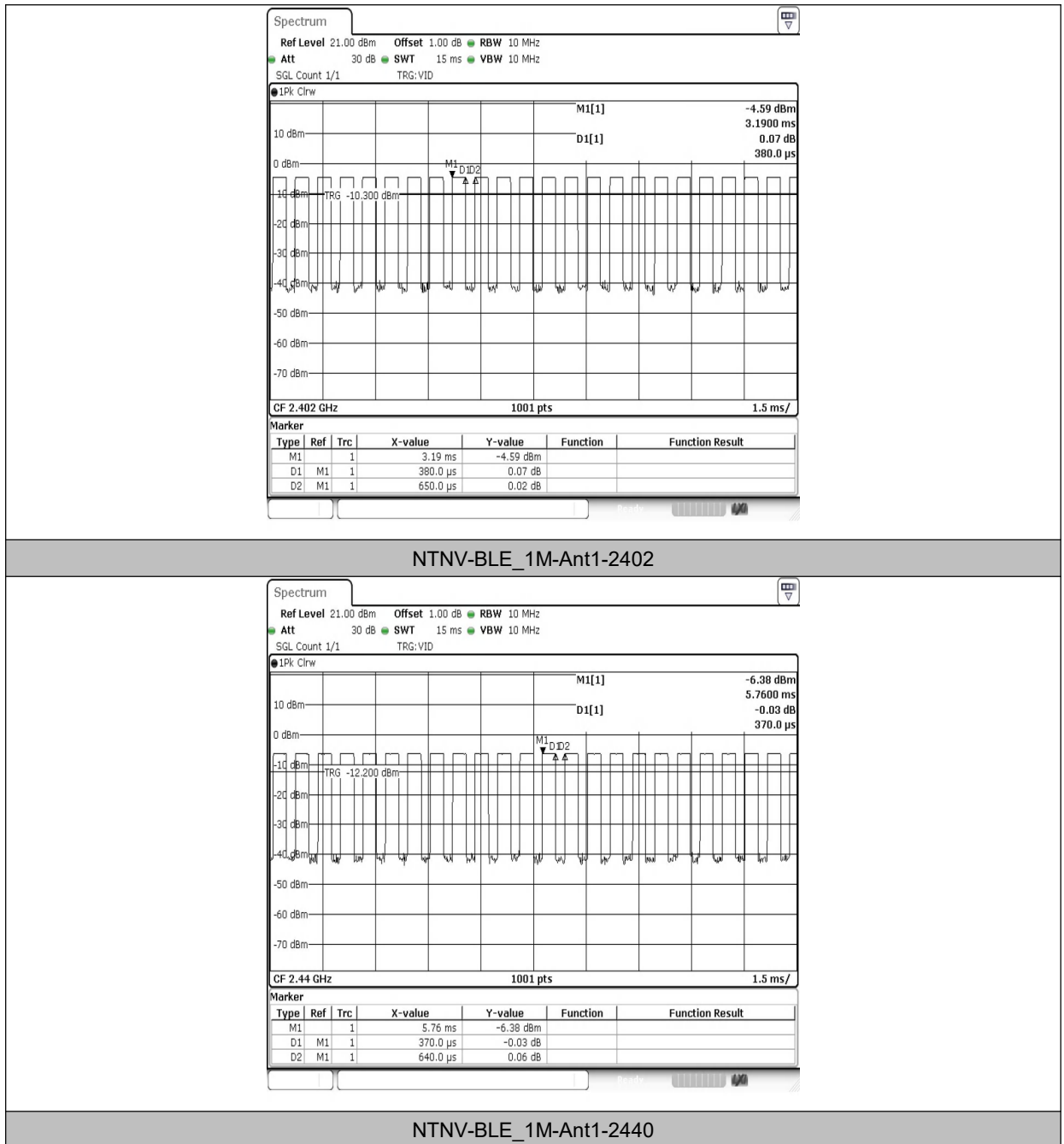
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.38	0.65	58.46	2.33
BLE_1M	Ant1	2440	0.37	0.64	57.81	2.38
BLE_1M	Ant1	2480	0.38	0.65	58.46	2.33

Test Graphs



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