

Appendix Test Data

Report No.:	1813C50028712501	Test Sample No.:	1-2-2
Start Test Date:	2025.1.17	Finish Test Date:	2025.2.5
Test Engineer:	Hu Sen Guan	Auditor:	Justin Feng
Temperature:	24.3°C	Relative Humidity:	46%
Pressure:	101kPa		

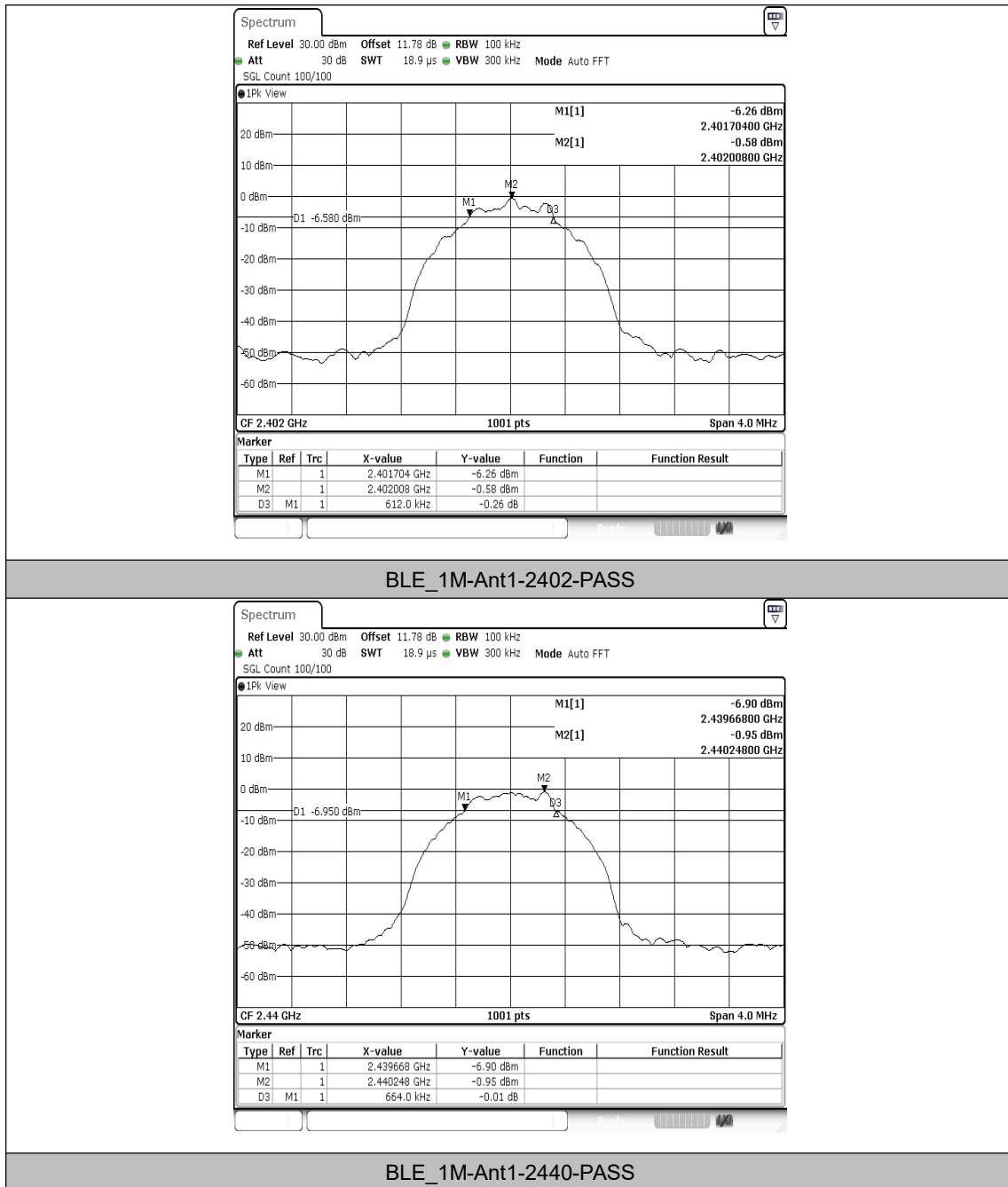
Appendix A: 6dB Bandwidth

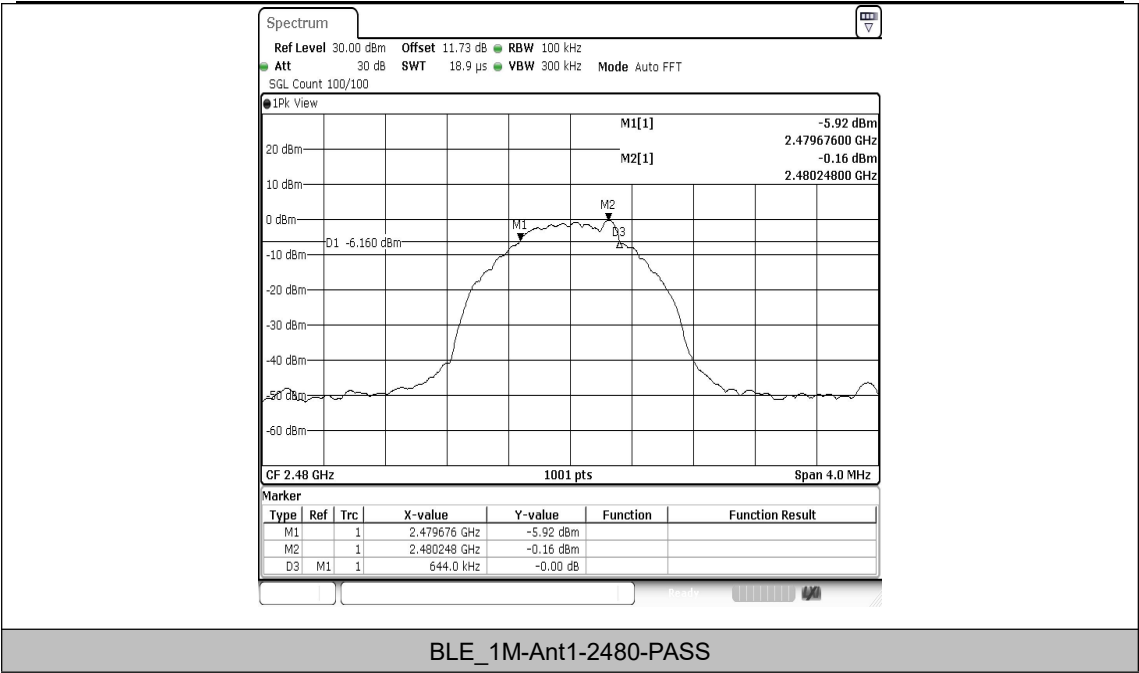
Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.61	2401.70	2402.32	0.5	PASS
BLE_1M	Ant1	2440	0.66	2439.67	2440.33	0.5	PASS
BLE_1M	Ant1	2480	0.64	2479.68	2480.32	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	1.091	2401.4565	2402.5475	---	---
BLE_1M	Ant1	2440	1.079	2439.4605	2440.5395	---	---
BLE_1M	Ant1	2480	1.075	2479.4605	2480.5355	---	---

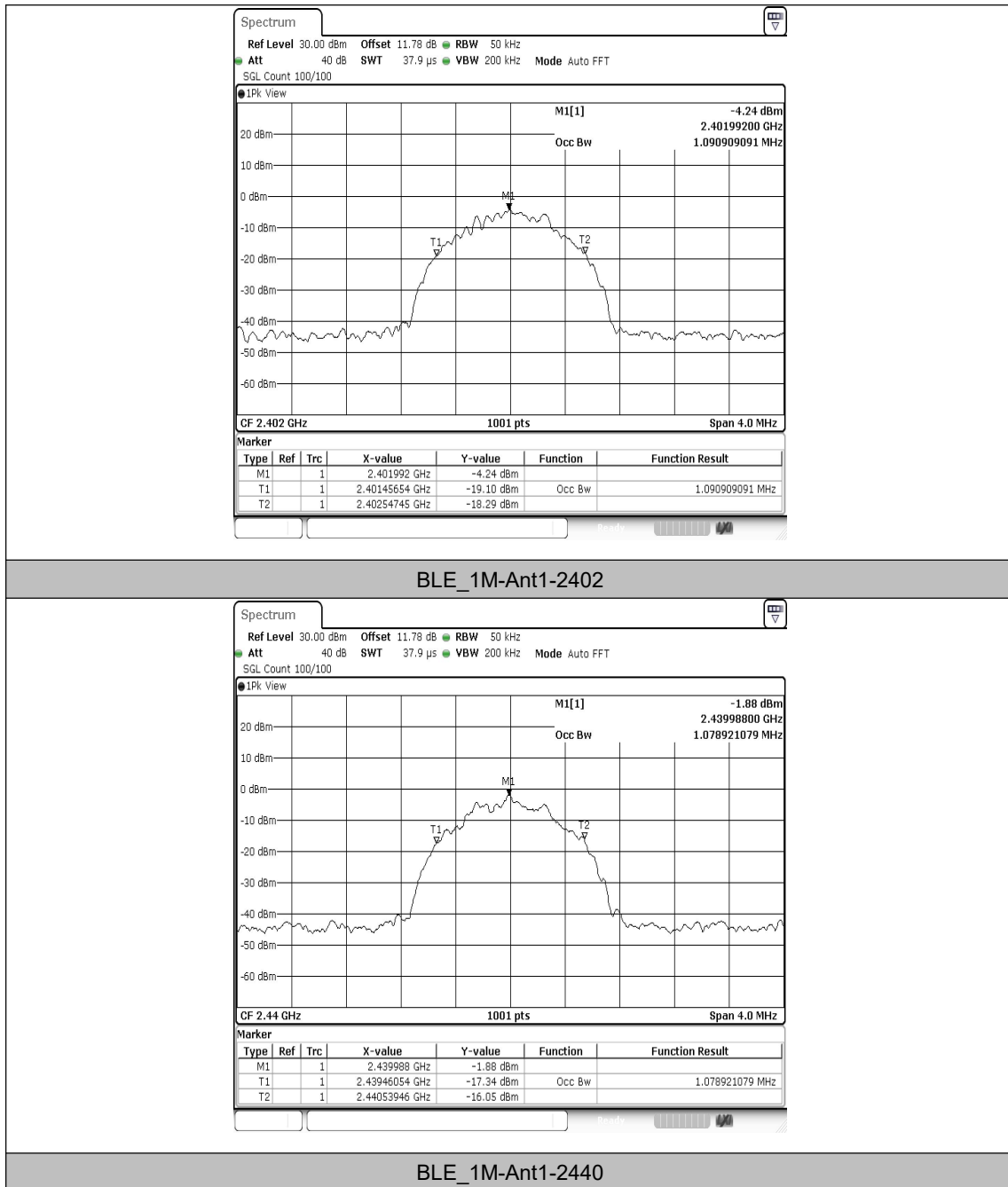
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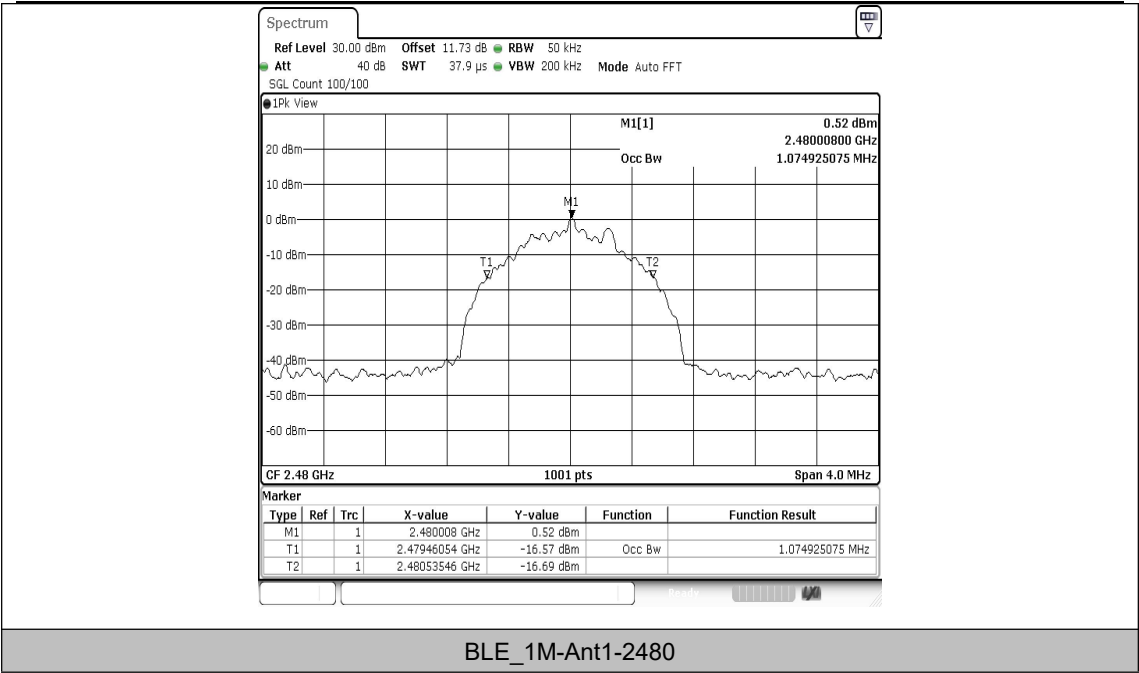
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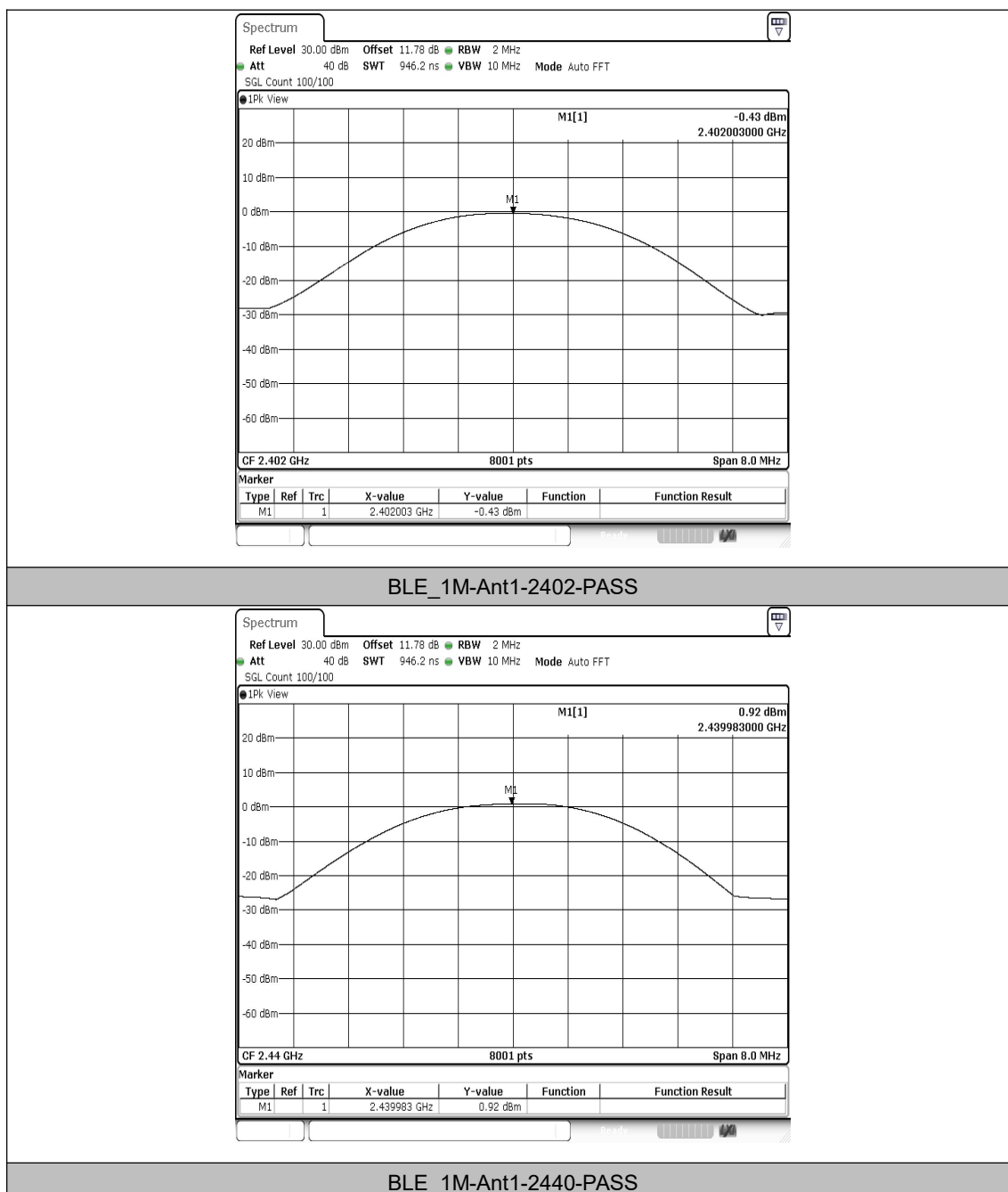
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.43	≤30	PASS
BLE_1M	Ant1	2440	0.92	≤30	PASS
BLE_1M	Ant1	2480	1.35	≤30	PASS

Test Graphs Peak



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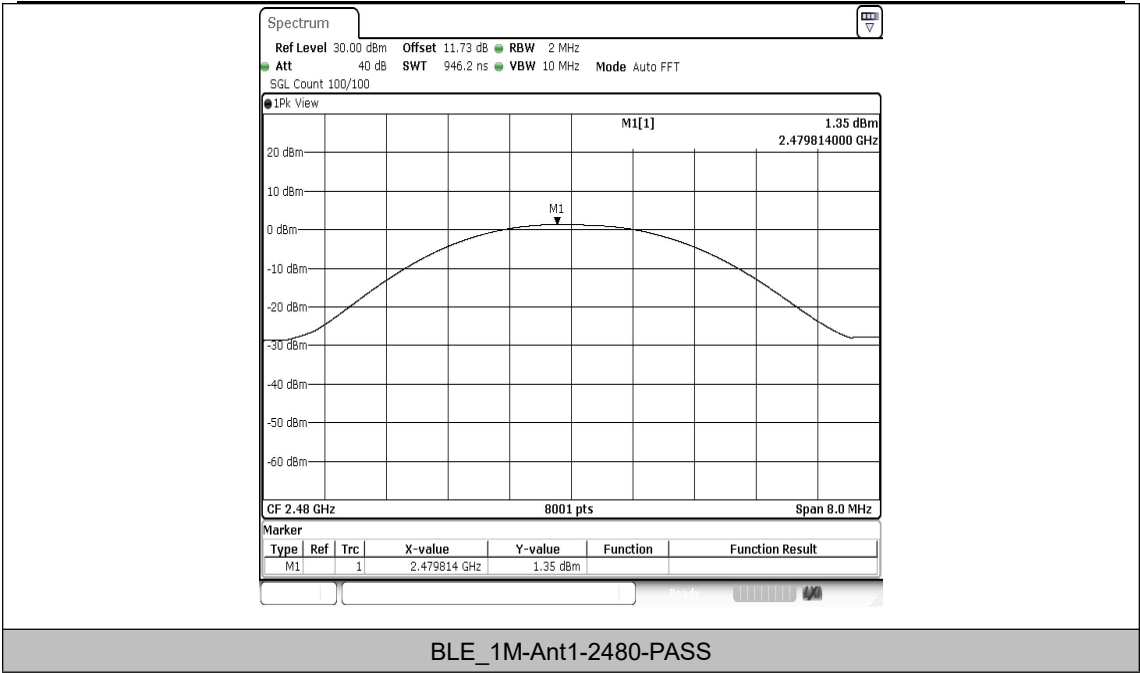
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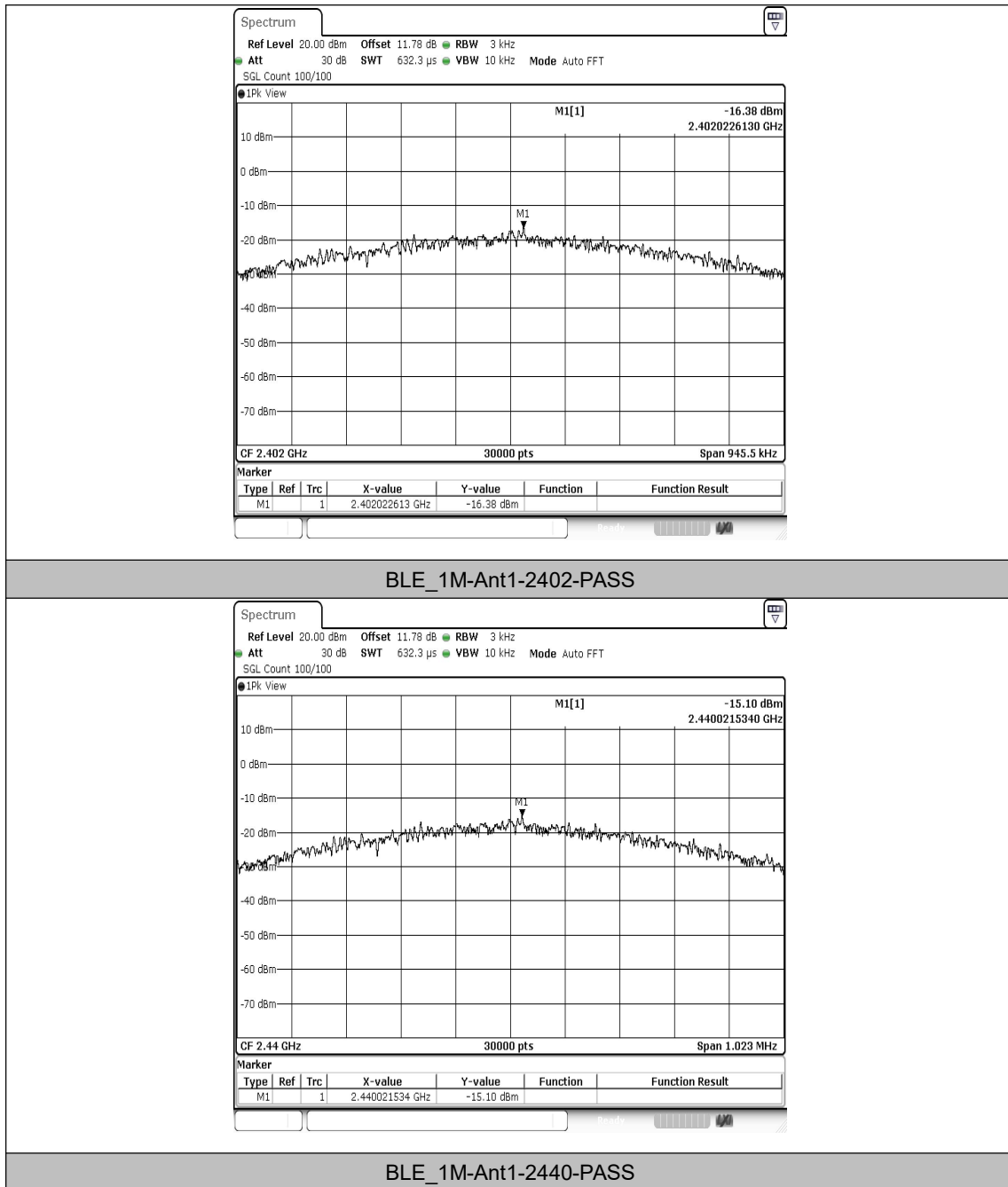
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.38	≤8.00	PASS
BLE_1M	Ant1	2440	-15.10	≤8.00	PASS
BLE_1M	Ant1	2480	-14.49	≤8.00	PASS

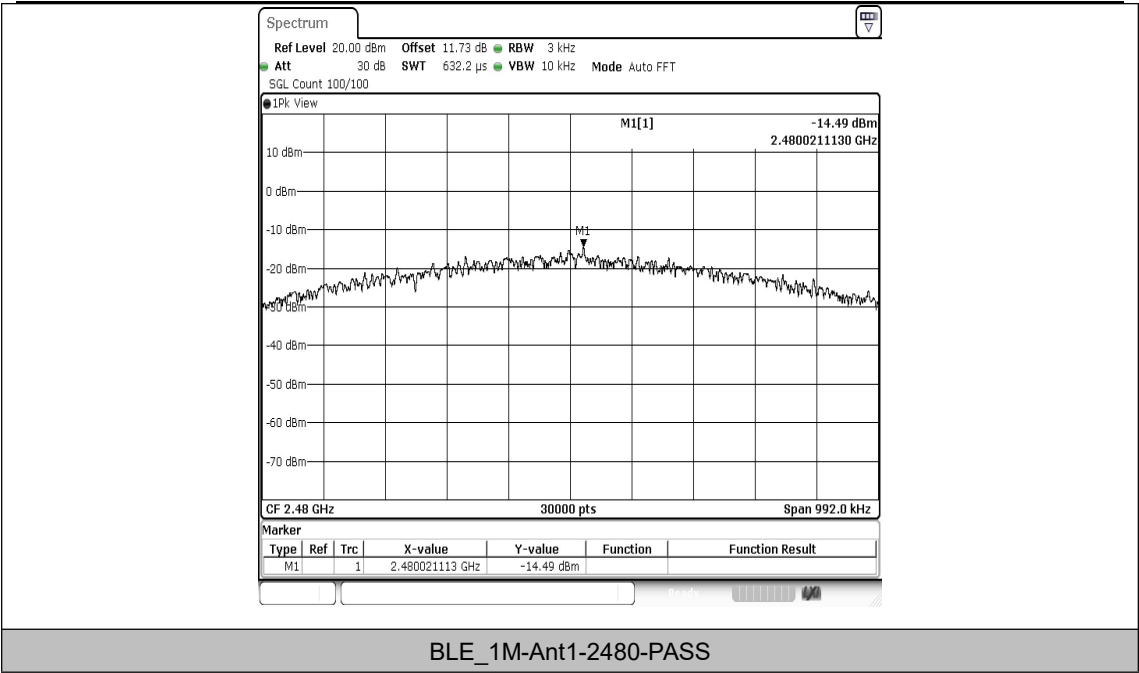
Test Graphs



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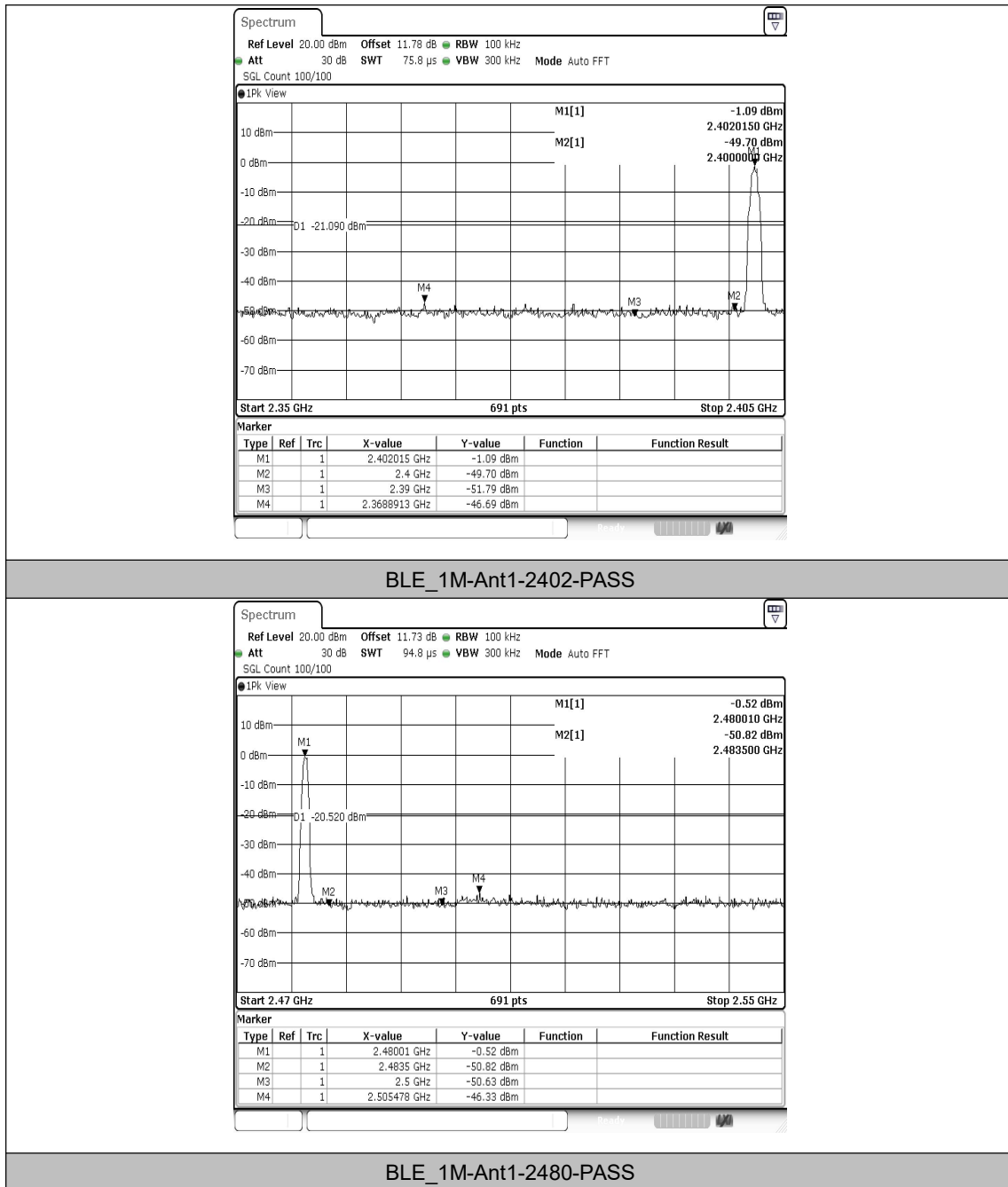
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.09	-46.69	≤-21.09	PASS
BLE_1M	Ant1	High	2480	-0.52	-46.33	≤-20.52	PASS

Test Graphs

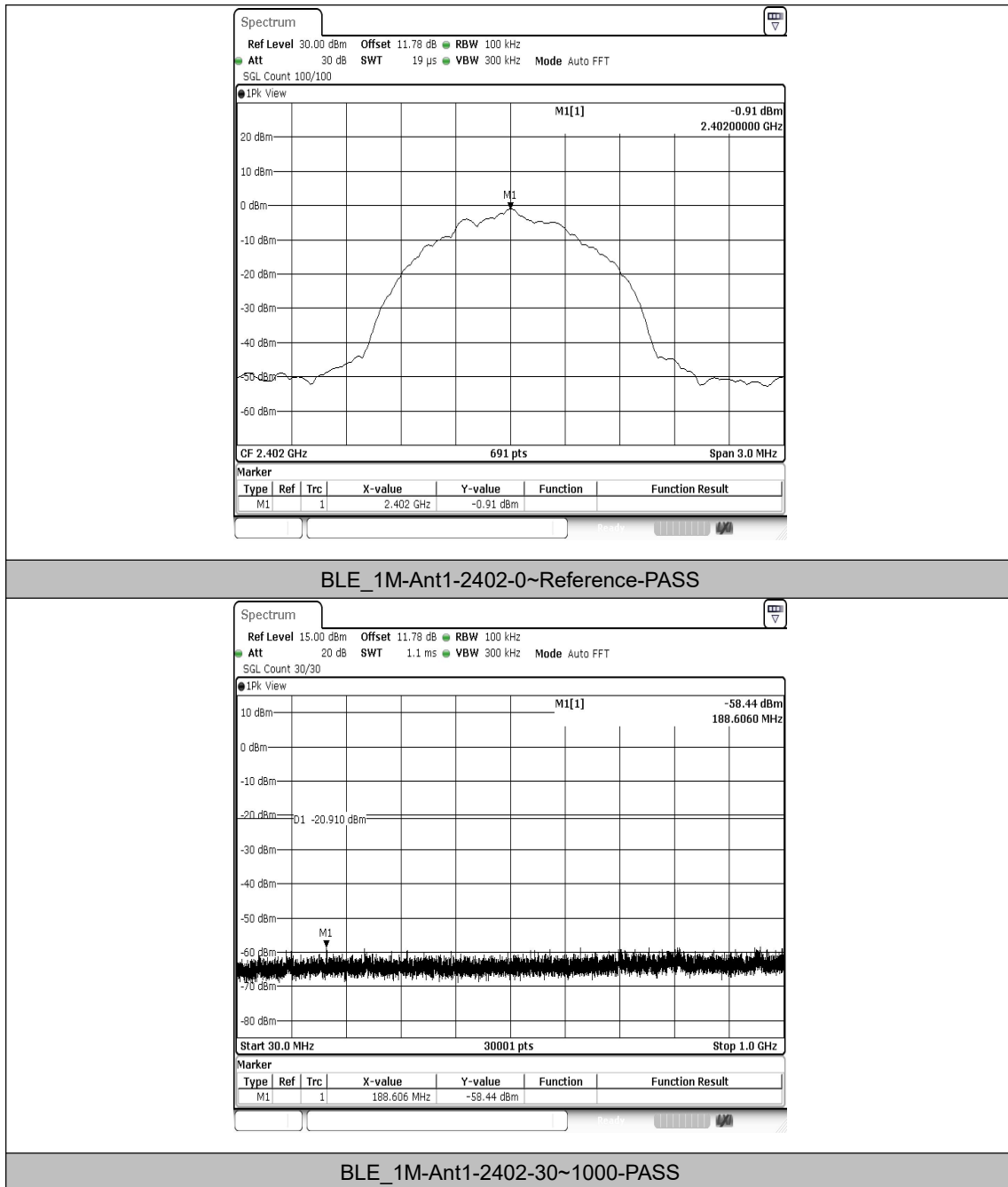


Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-0.91	-0.91	---	PASS
BLE_1M	Ant1	2402	30~1000	-0.91	-58.44	≤-20.91	PASS
BLE_1M	Ant1	2402	1000~26500	-0.91	-43.54	≤-20.91	PASS
BLE_1M	Ant1	2440	0~Reference	-0.75	-0.75	---	PASS
BLE_1M	Ant1	2440	30~1000	-0.75	-57.9	≤-20.75	PASS
BLE_1M	Ant1	2440	1000~26500	-0.75	-44.22	≤-20.75	PASS
BLE_1M	Ant1	2480	0~Reference	-0.23	-0.23	---	PASS
BLE_1M	Ant1	2480	30~1000	-0.23	-58.13	≤-20.23	PASS
BLE_1M	Ant1	2480	1000~26500	-0.23	-43.82	≤-20.23	PASS

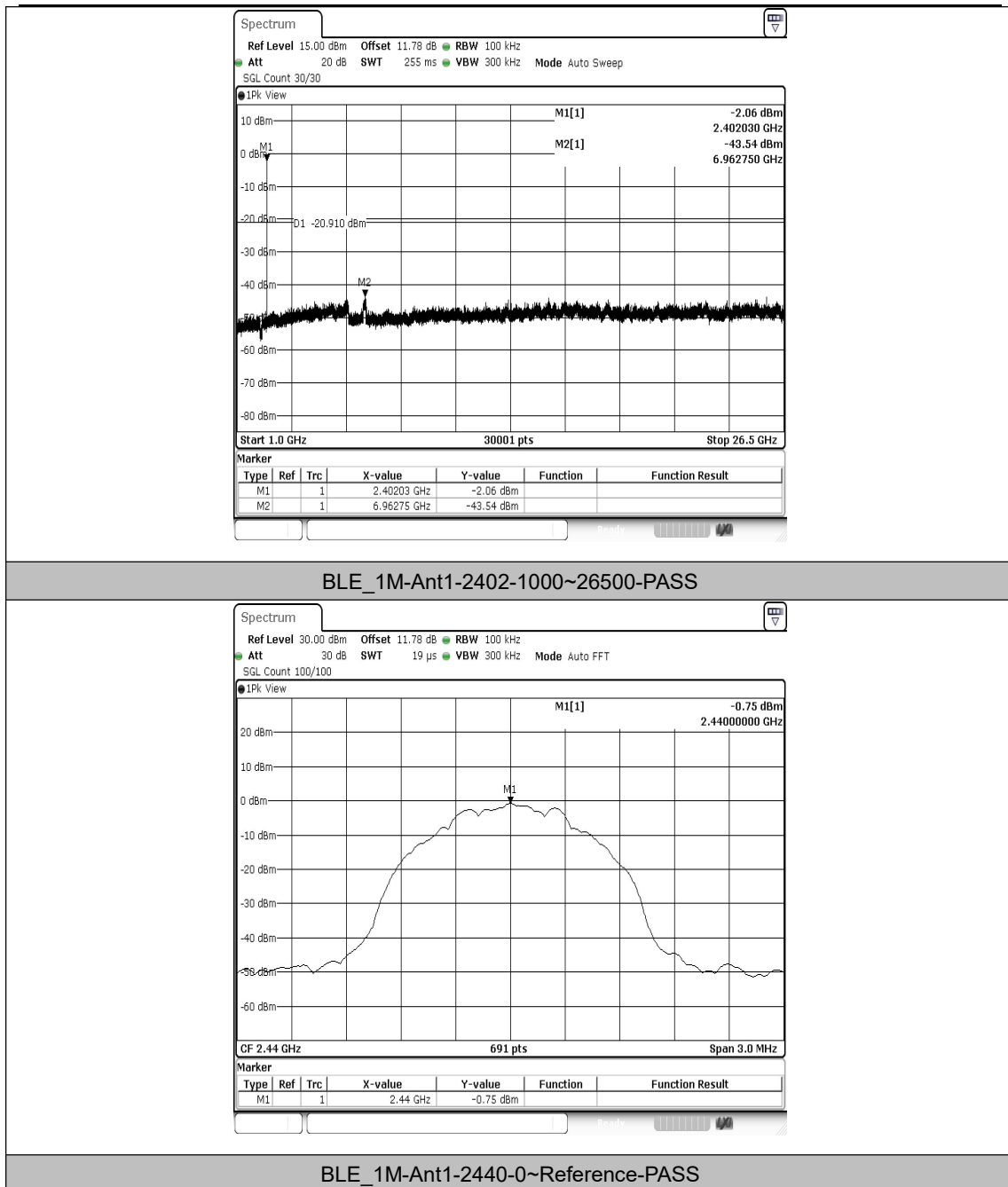
Test Graphs



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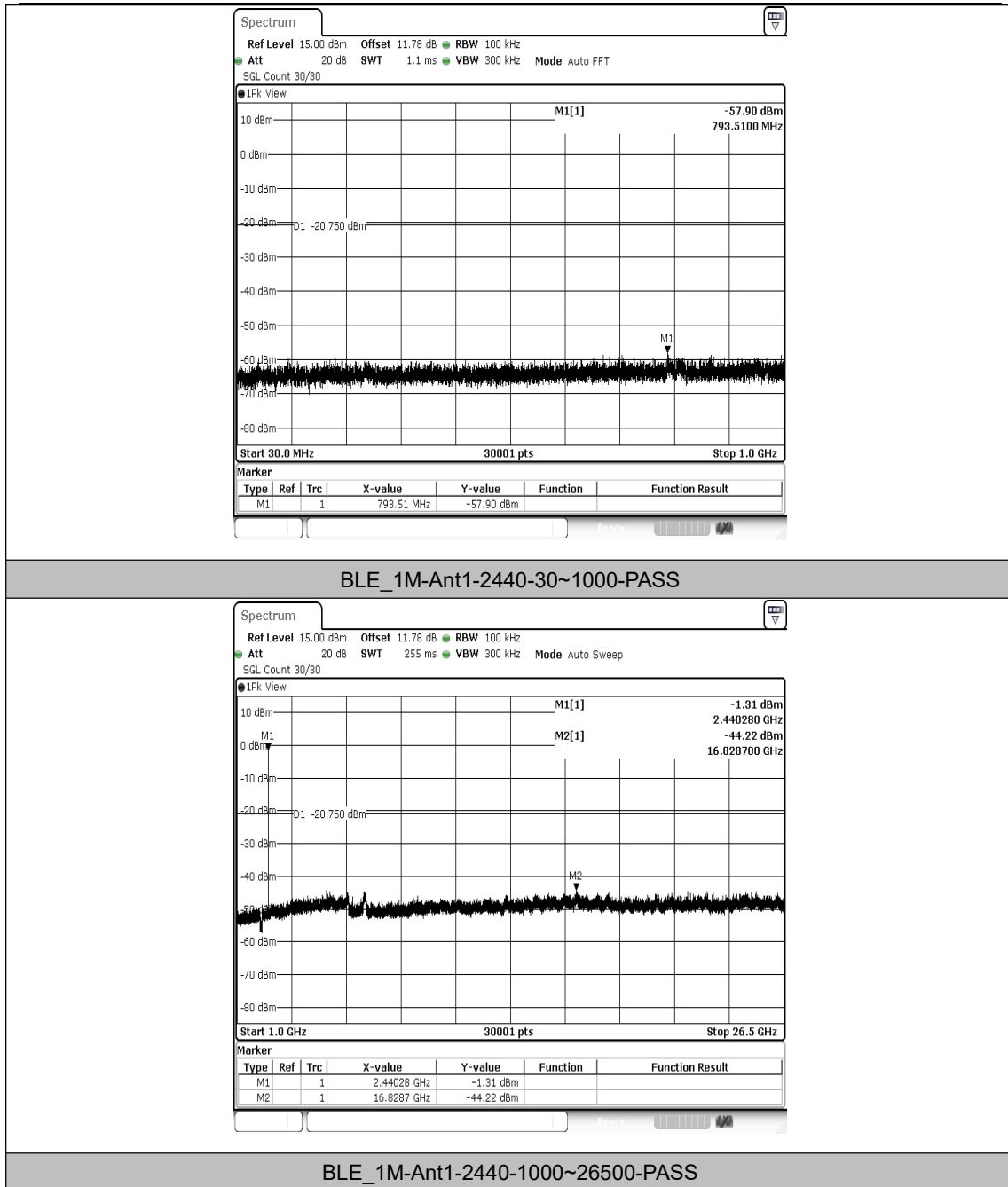
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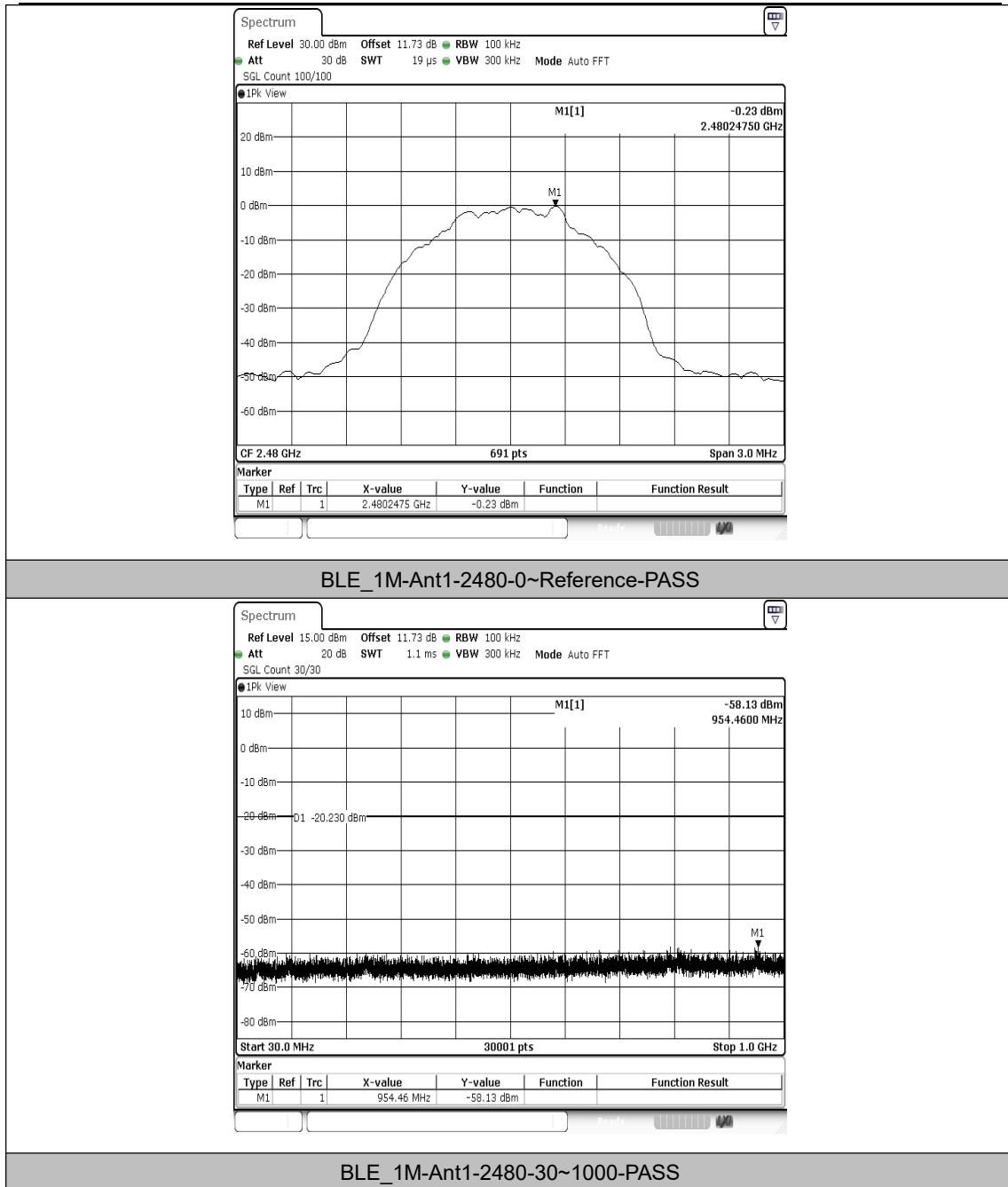
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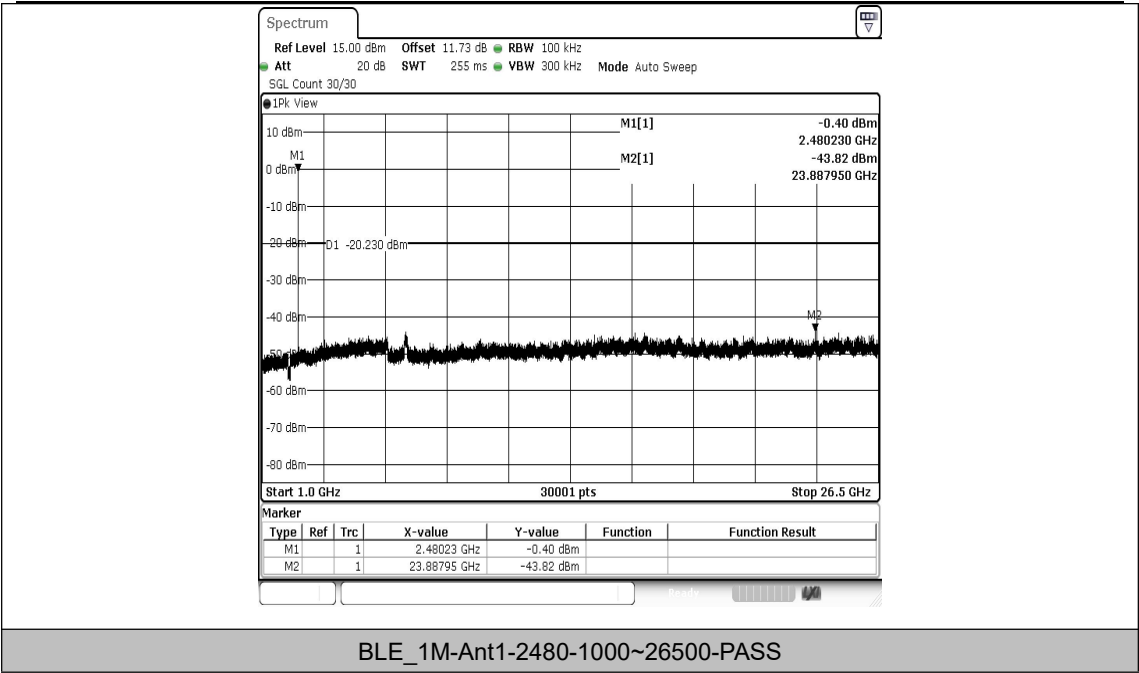
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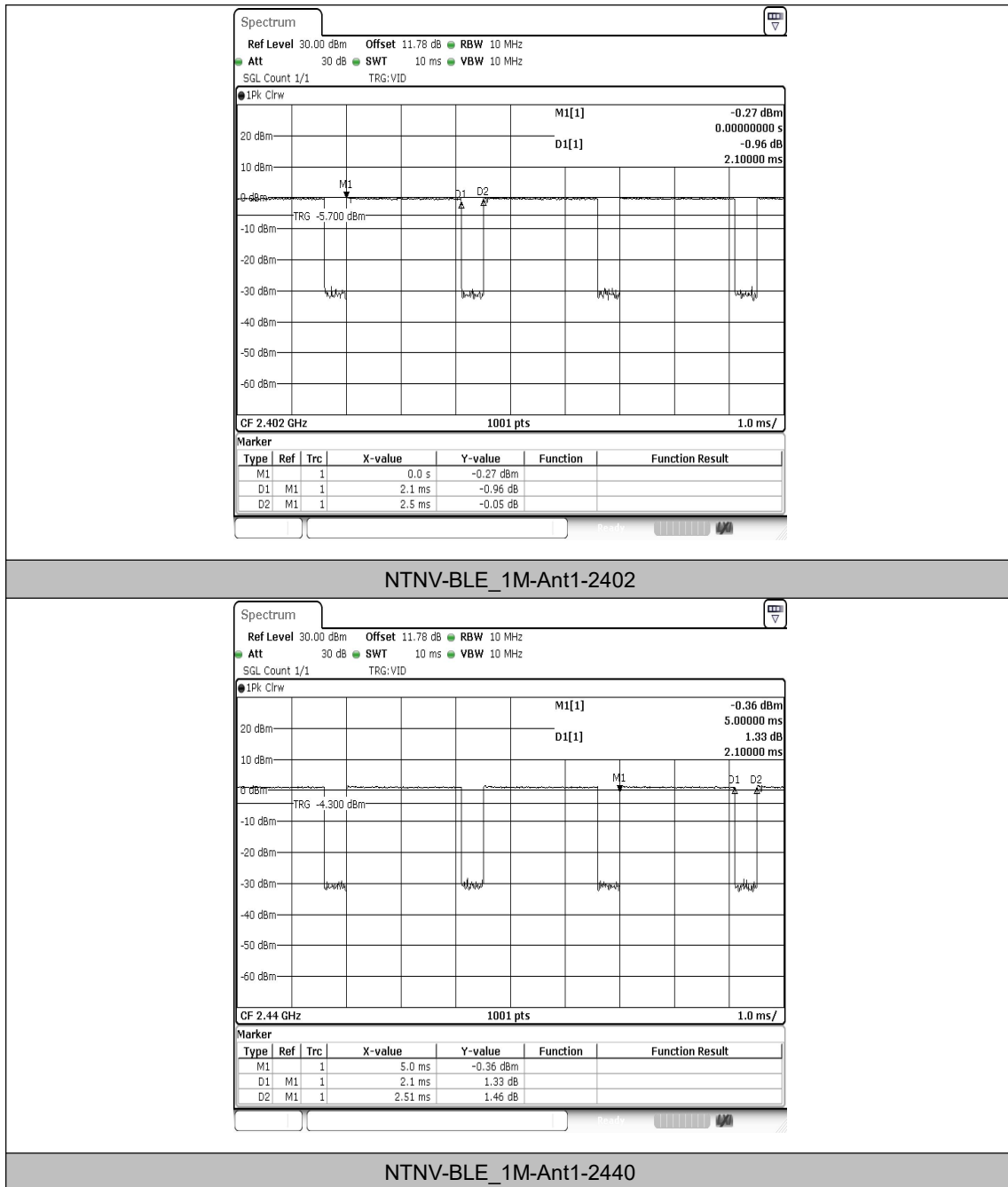
Appendix G: Duty Cycle

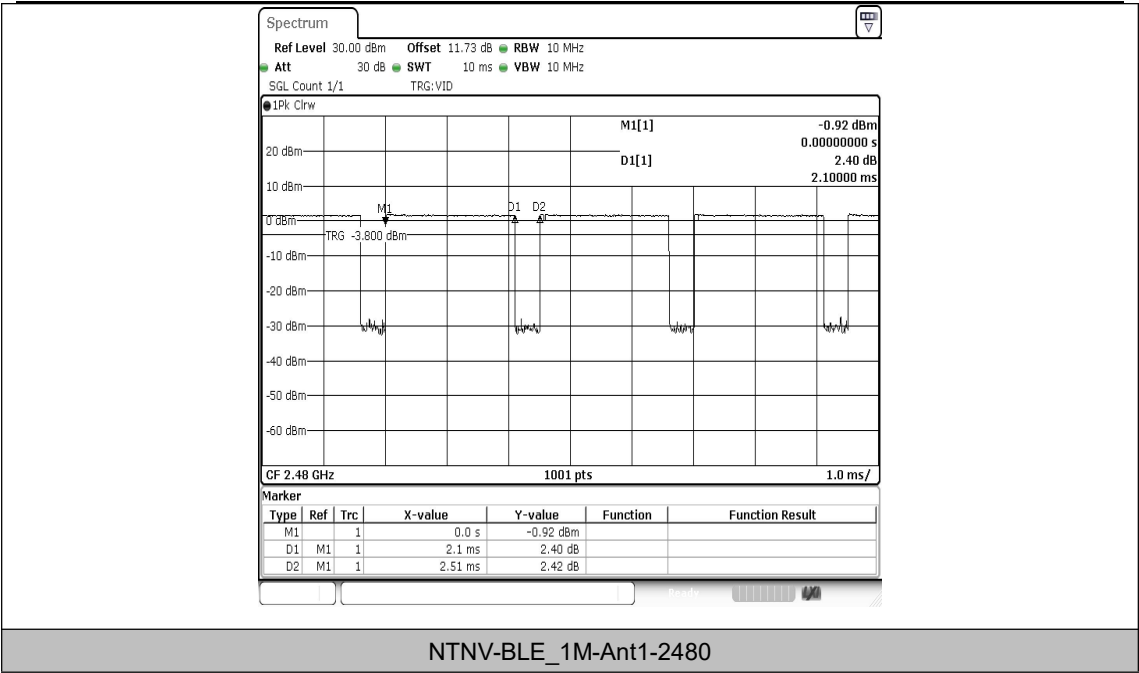
Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.10	2.50	84.00	0.76
BLE_1M	Ant1	2440	2.10	2.51	83.67	0.77
BLE_1M	Ant1	2480	2.10	2.51	83.67	0.77



Test Graphs





---End---