

Appendix Test Data

Report No.:	1812C50079612501	Test Sample No.:	1-2-2
Start Test Date:	2025.3.7	Finish Test Date:	2025.3.11
Test Engineer:	Hu Sen Guan	Auditor:	Justin Feng
Temperature:	22.6°C	Relative Humidity:	45%
Pressure:	101kPa		

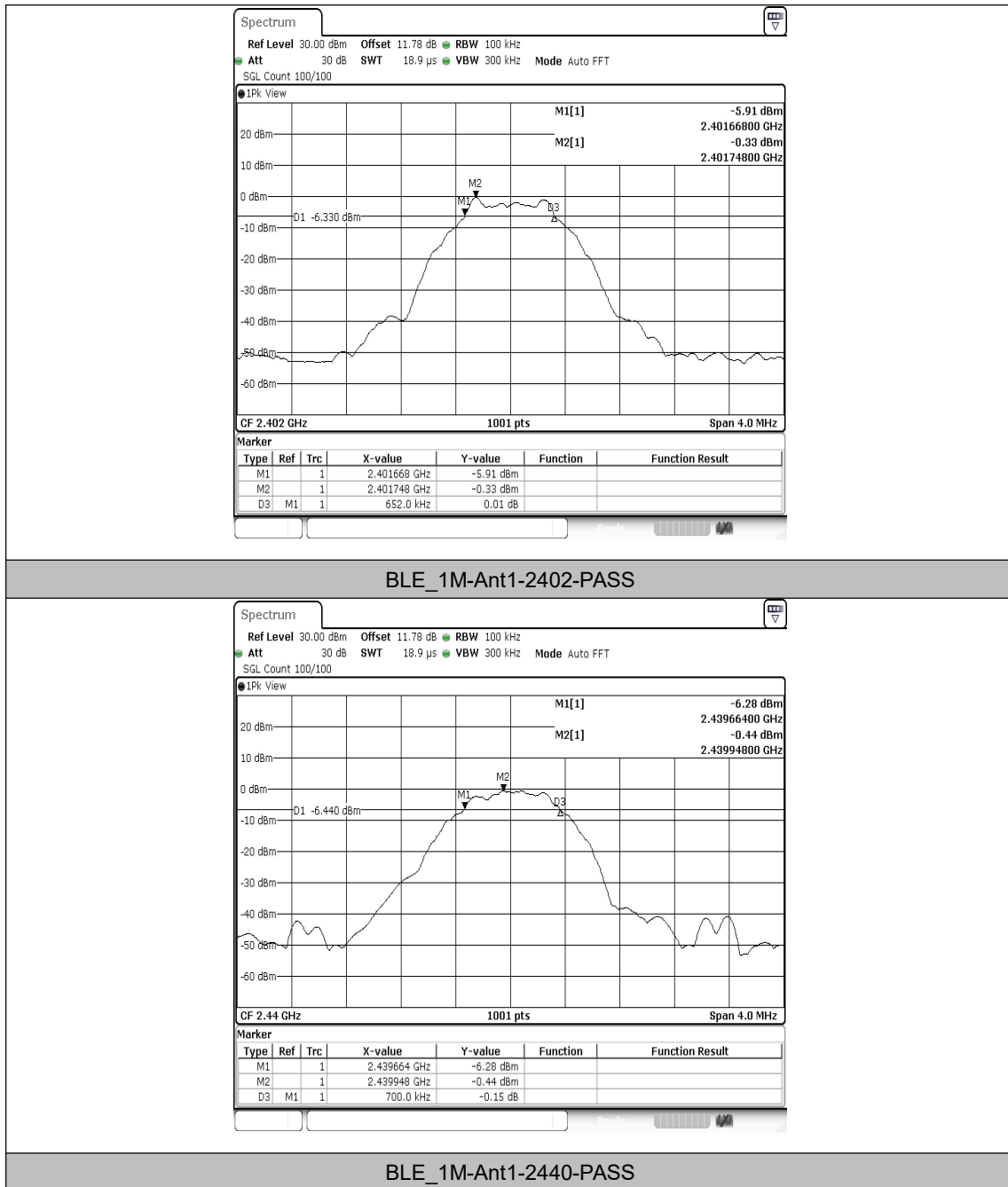
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.65	2401.67	2402.32	0.5	PASS
BLE_1M	Ant1	2440	0.70	2439.66	2440.36	0.5	PASS
BLE_1M	Ant1	2480	0.65	2479.67	2480.32	0.5	PASS



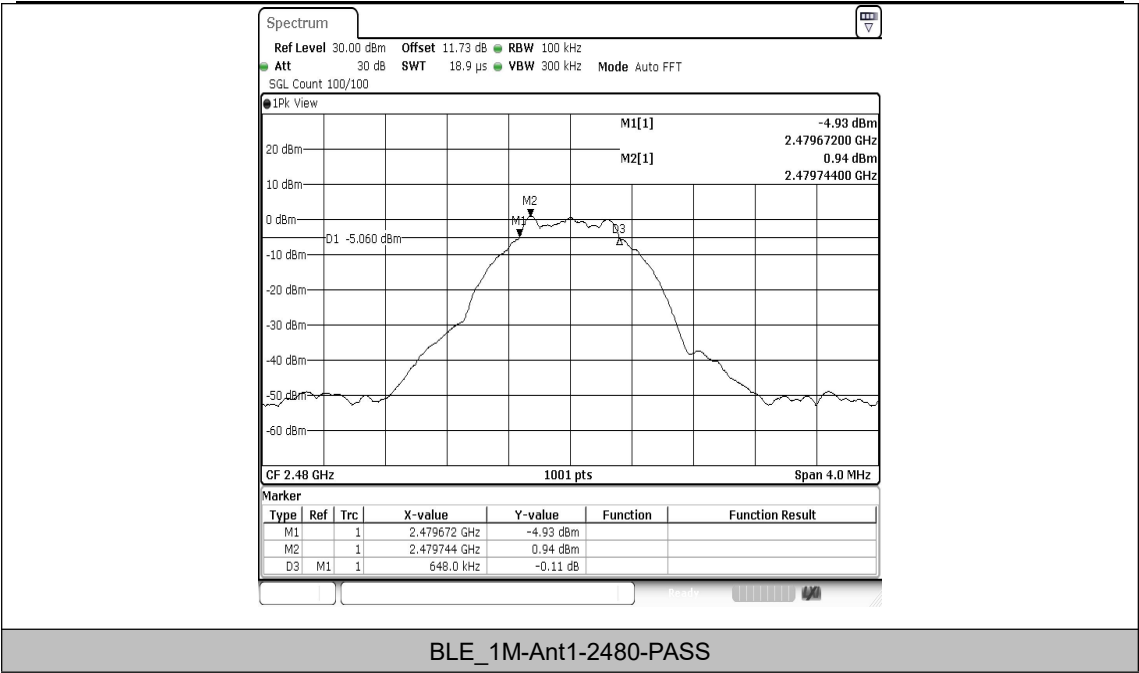
Test Graphs



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Appendix B: 99% Occupied Bandwidth

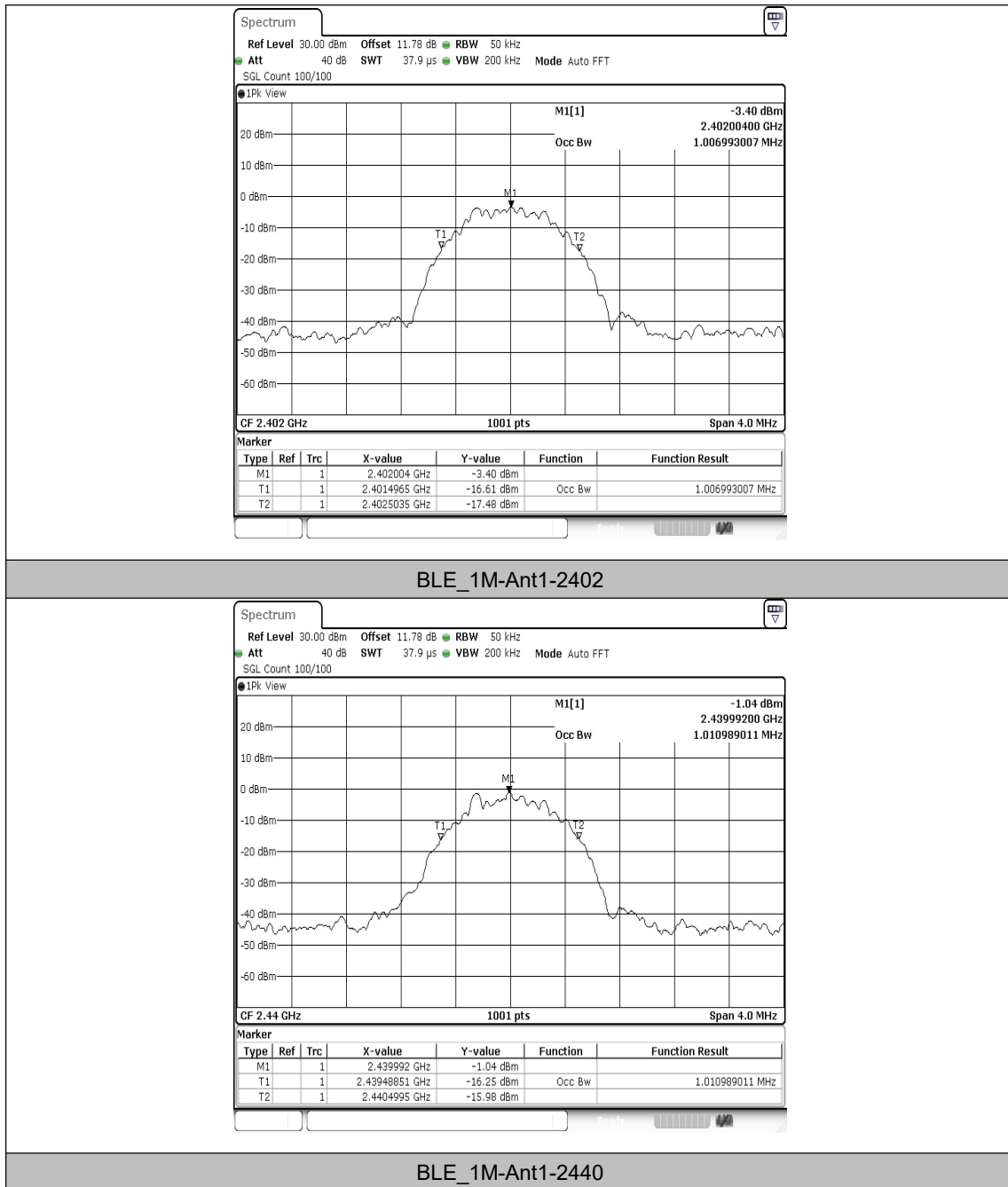
Test Result

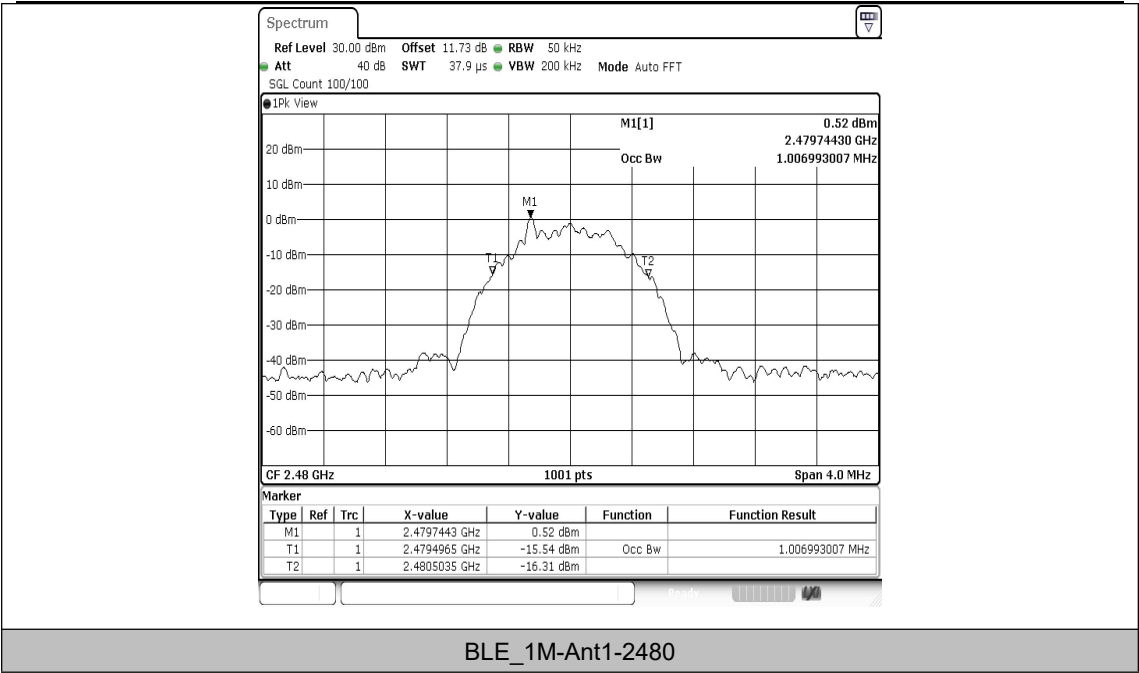
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.007	2401.4965	2402.5035	---	---
BLE_1M	Ant1	2440	1.011	2439.4885	2440.4995	---	---
BLE_1M	Ant1	2480	1.007	2479.4965	2480.5035	---	---

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Test Graphs





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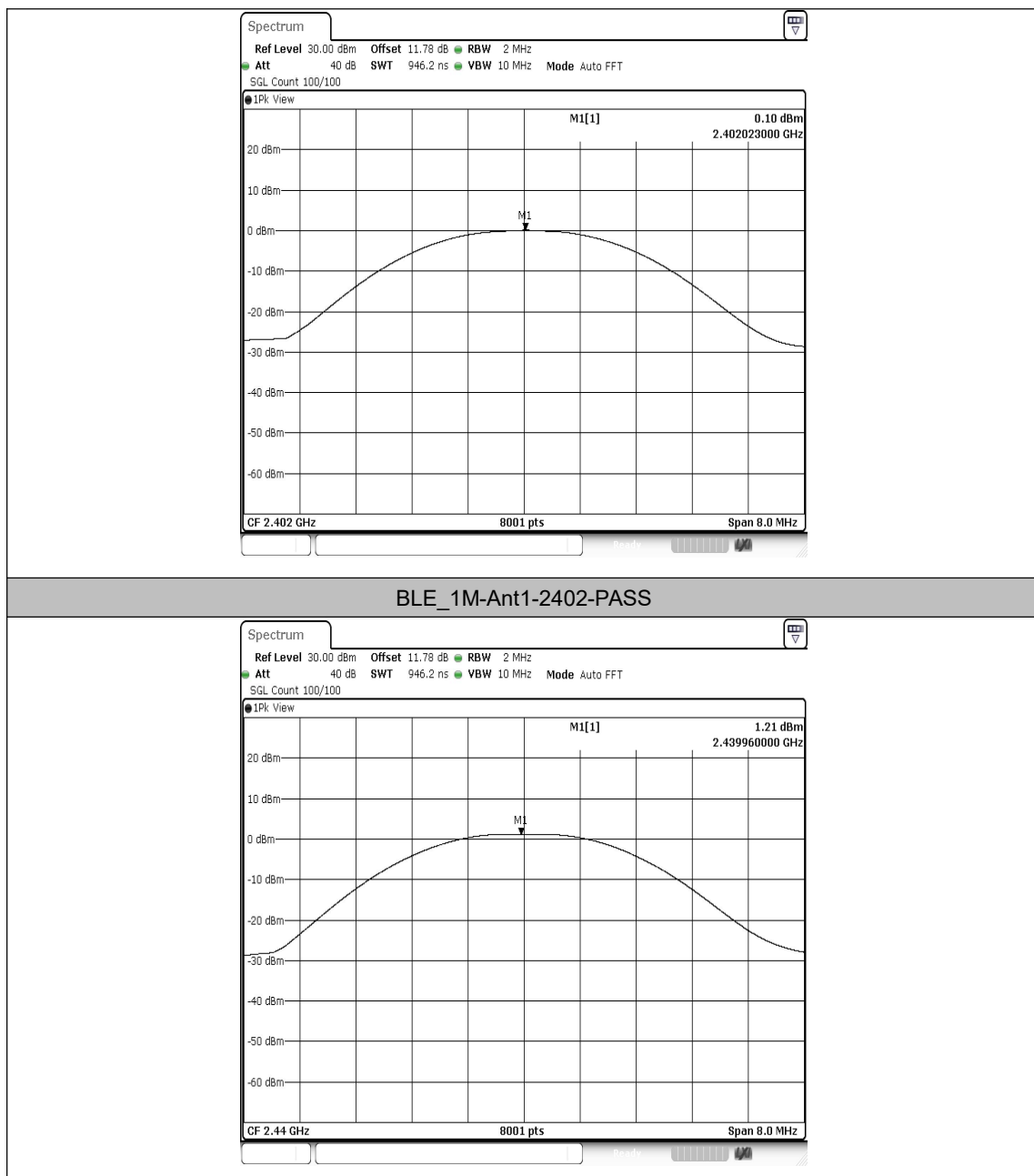
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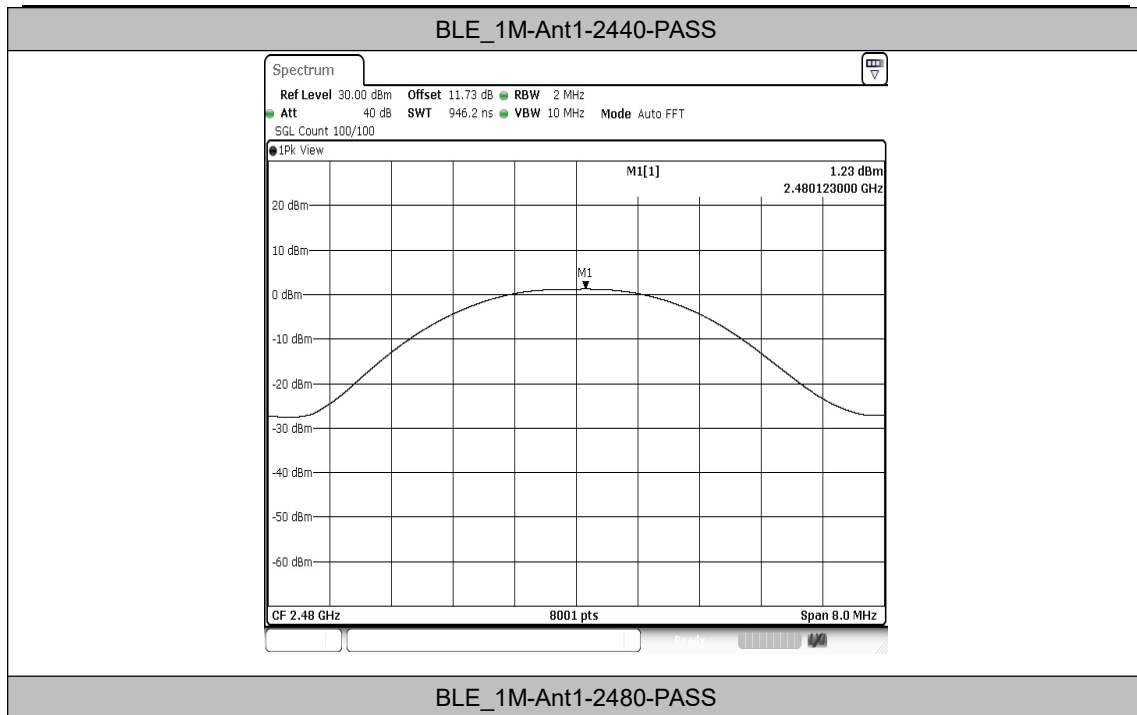
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.10	≤30	PASS
BLE_1M	Ant1	2440	1.21	≤30	PASS
BLE_1M	Ant1	2480	1.23	≤30	PASS

Test Graphs Peak





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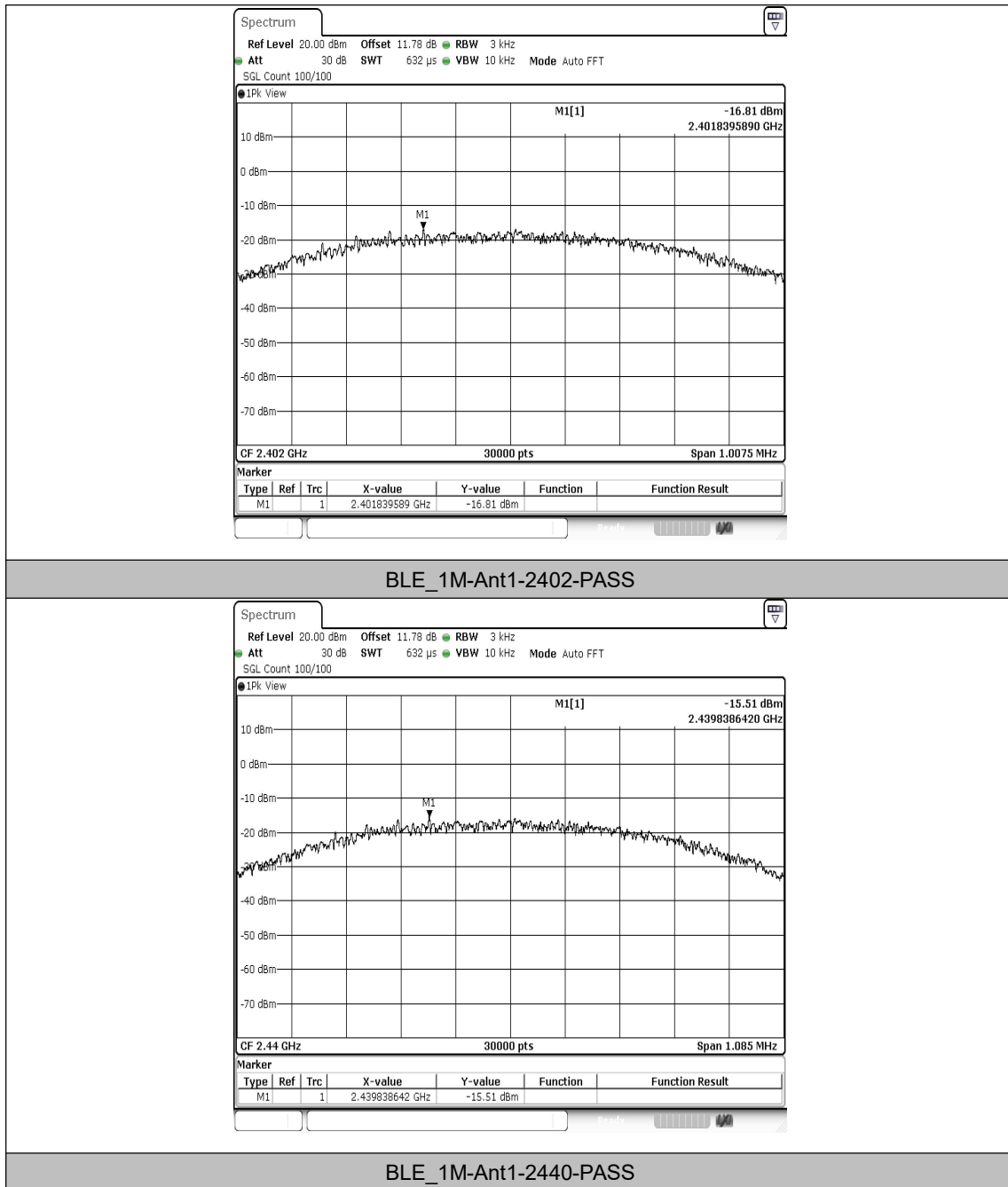
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.81	≤8.00	PASS
BLE_1M	Ant1	2440	-15.51	≤8.00	PASS
BLE_1M	Ant1	2480	-15.80	≤8.00	PASS



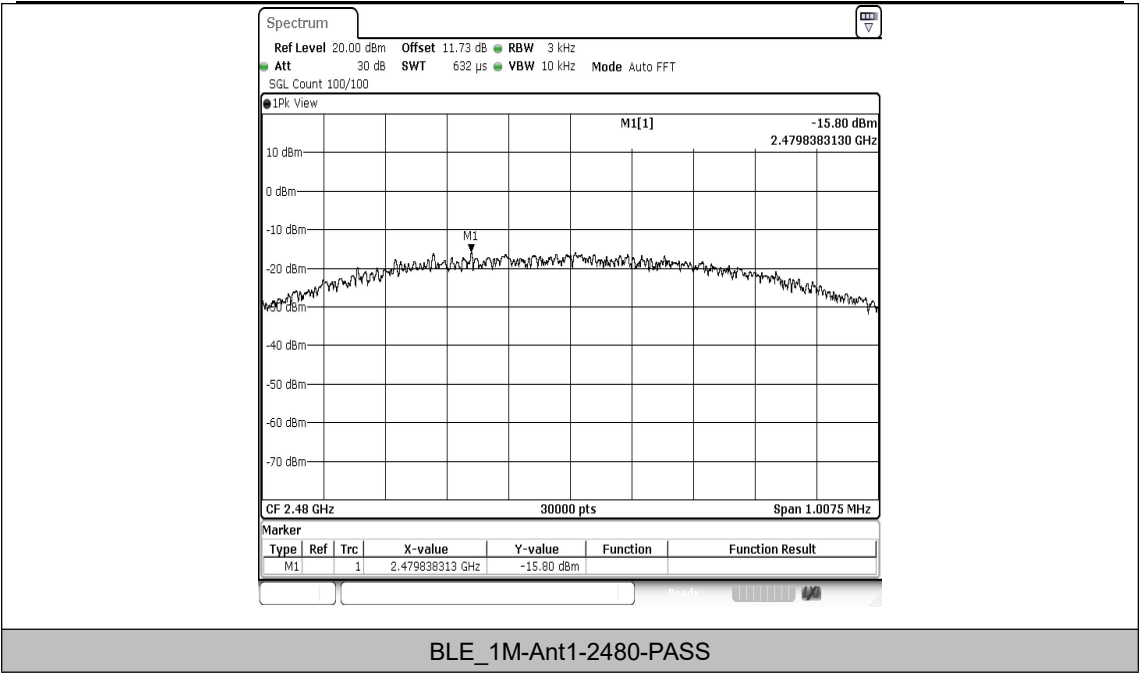
Test Graphs



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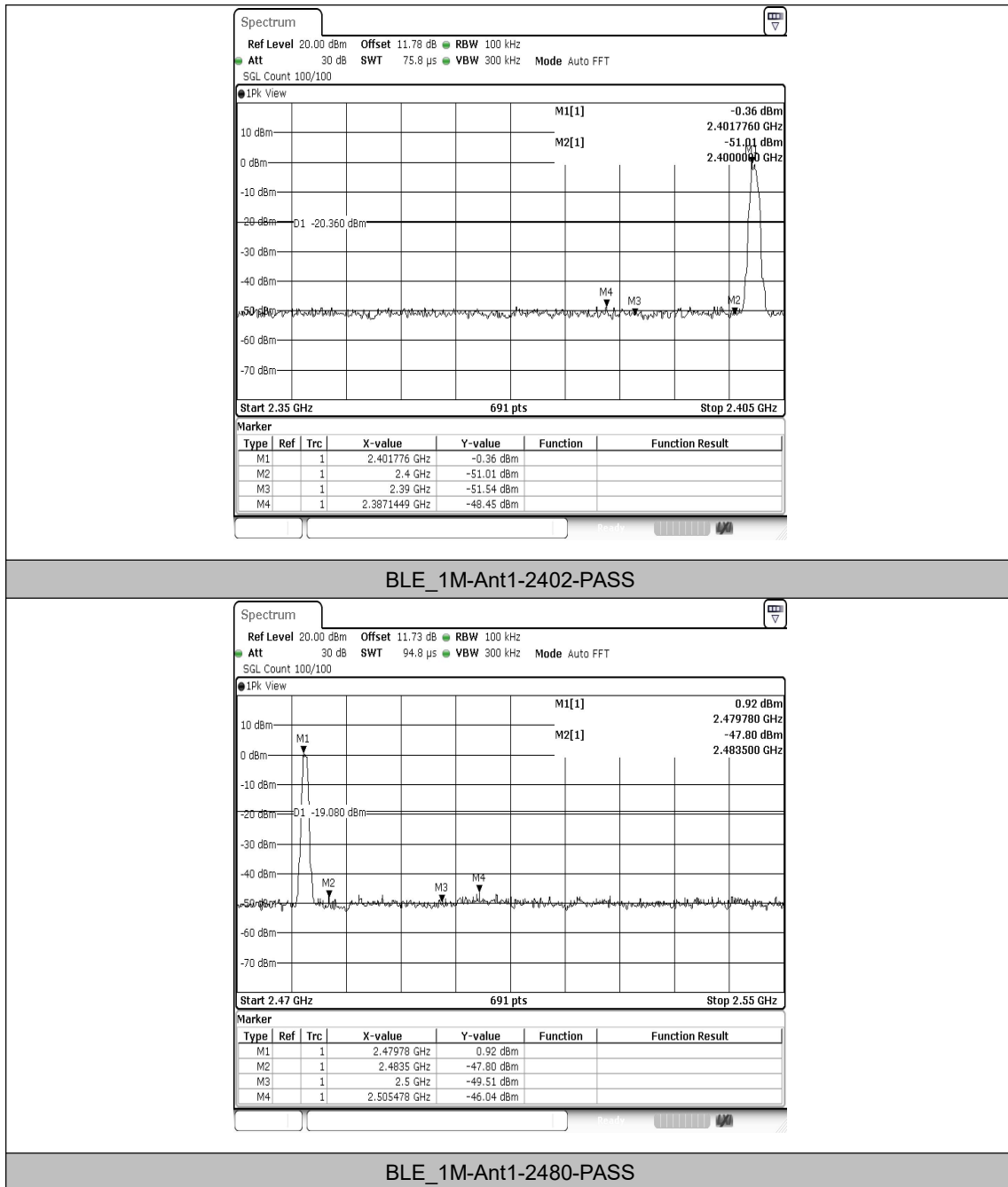
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.36	-48.45	≤-20.36	PASS
BLE_1M	Ant1	High	2480	0.92	-46.04	≤-19.08	PASS

Test Graphs

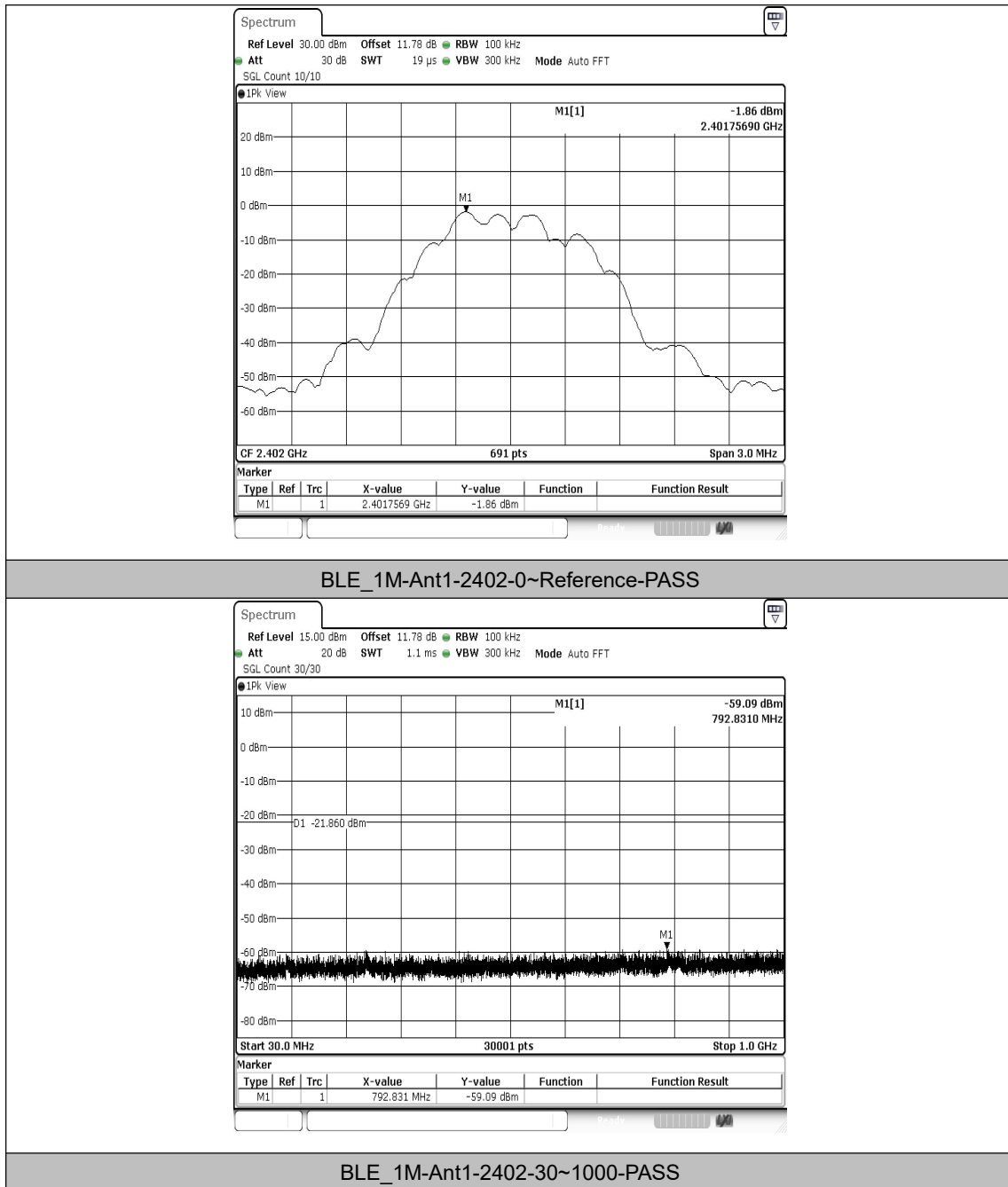


Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-1.86	-1.86	---	PASS
BLE_1M	Ant1	2402	30~1000	-1.86	-59.09	≤-21.86	PASS
BLE_1M	Ant1	2402	1000~26500	-1.86	-43.89	≤-21.86	PASS
BLE_1M	Ant1	2440	0~Reference	-1.88	-1.88	---	PASS
BLE_1M	Ant1	2440	30~1000	-1.88	-58.45	≤-21.88	PASS
BLE_1M	Ant1	2440	1000~26500	-1.88	-44.18	≤-21.88	PASS
BLE_1M	Ant1	2480	0~Reference	-1.48	-1.48	---	PASS
BLE_1M	Ant1	2480	30~1000	-1.48	-58.67	≤-21.48	PASS
BLE_1M	Ant1	2480	1000~26500	-1.48	-43.13	≤-21.48	PASS

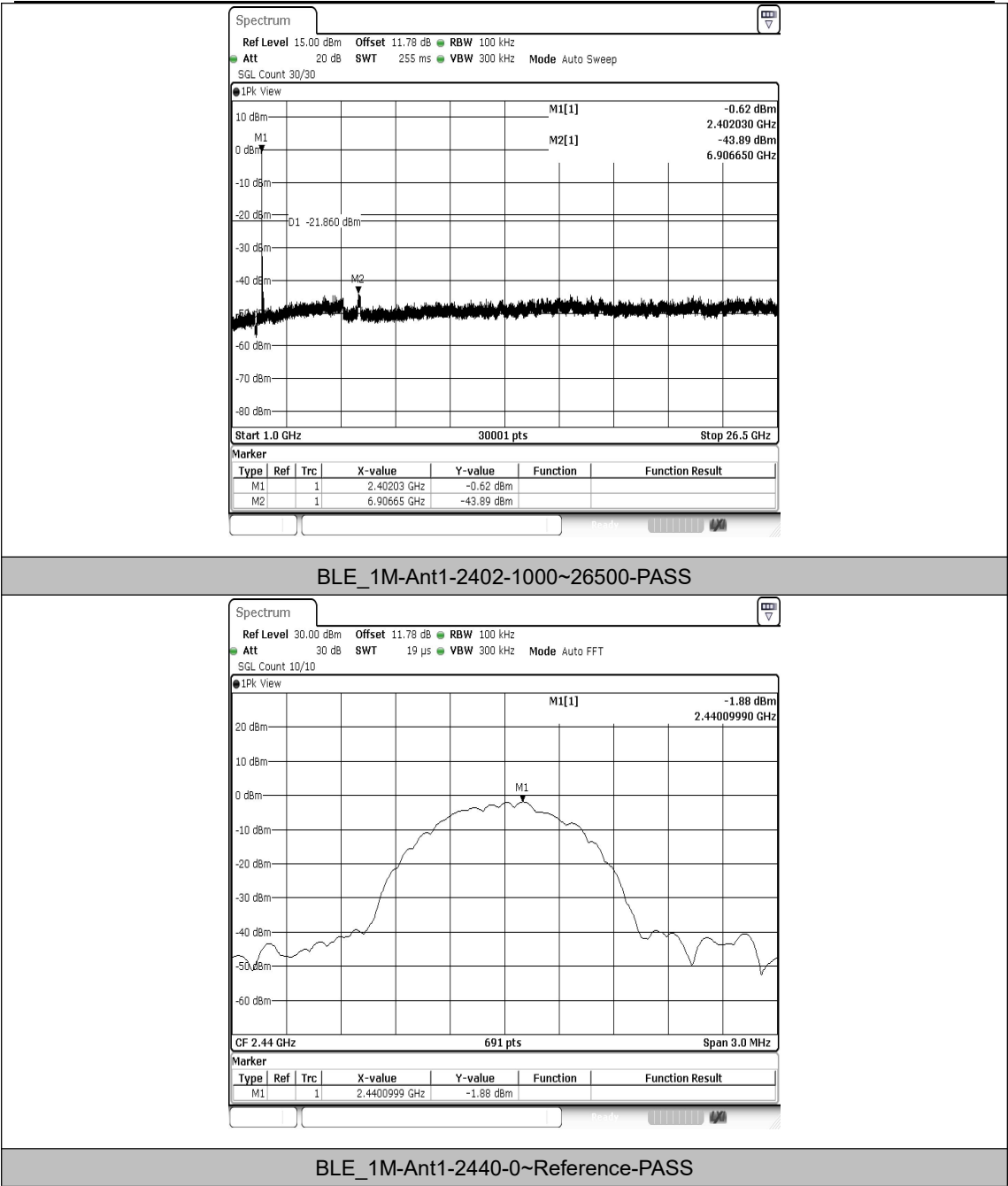
Test Graphs

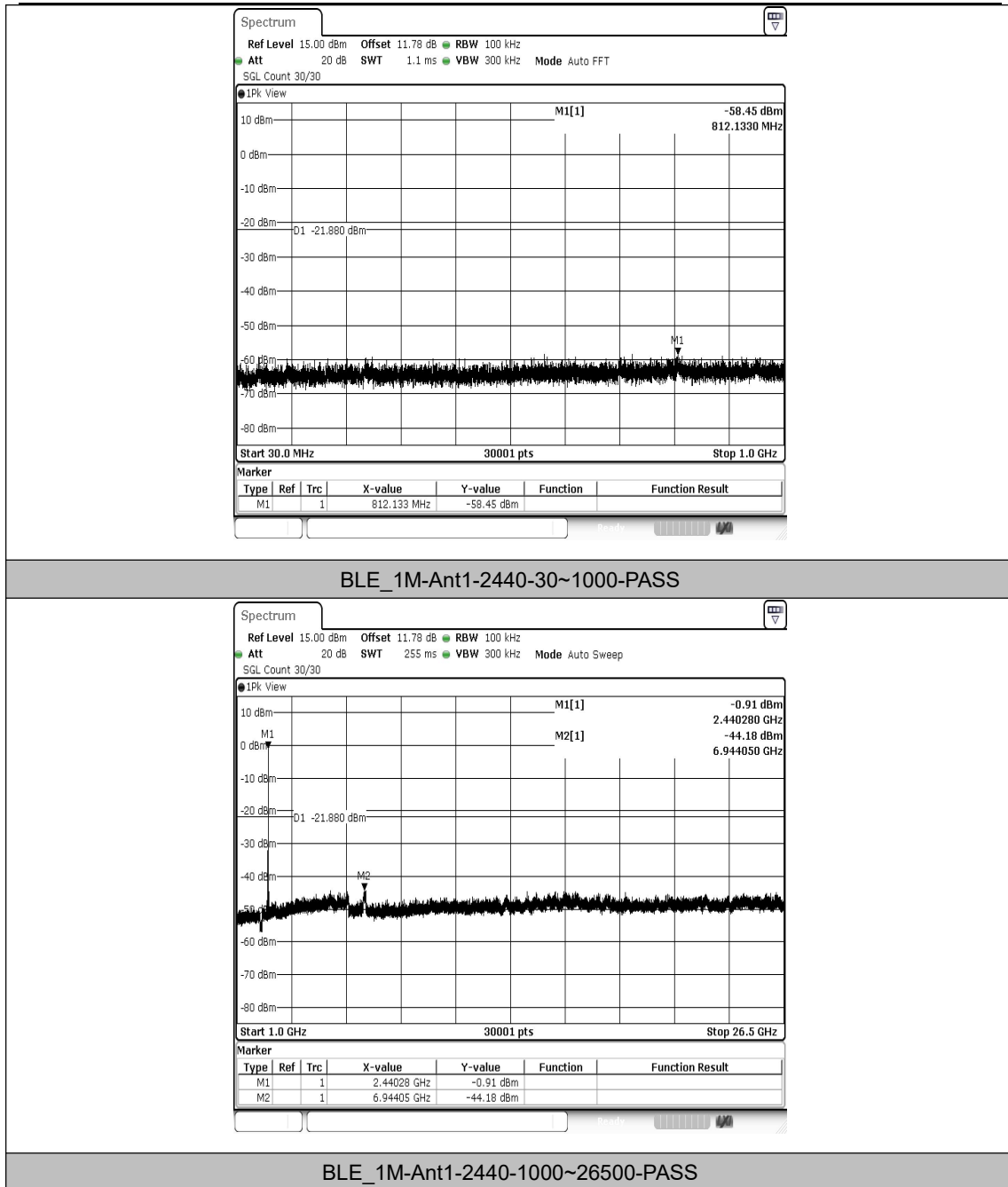


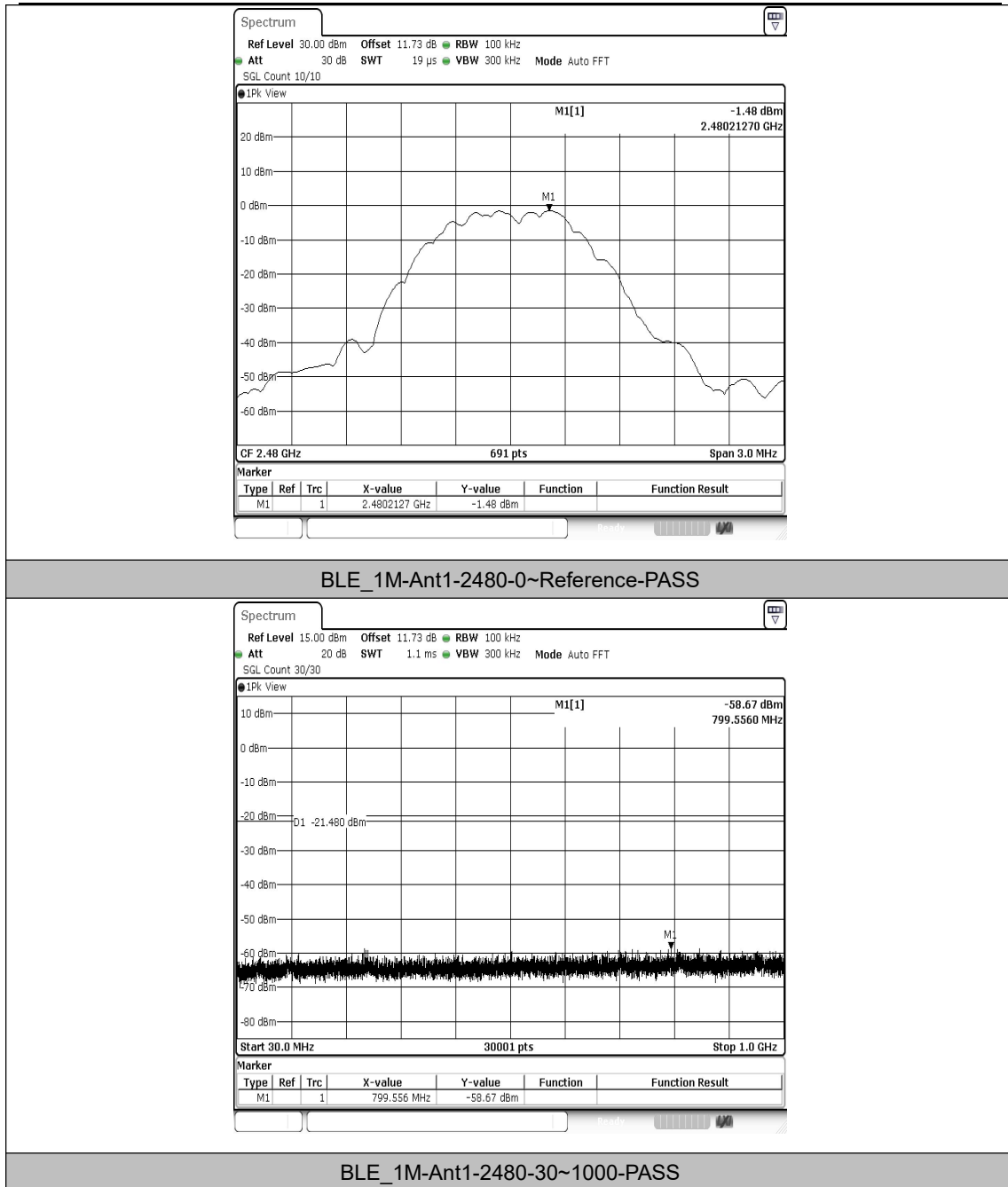
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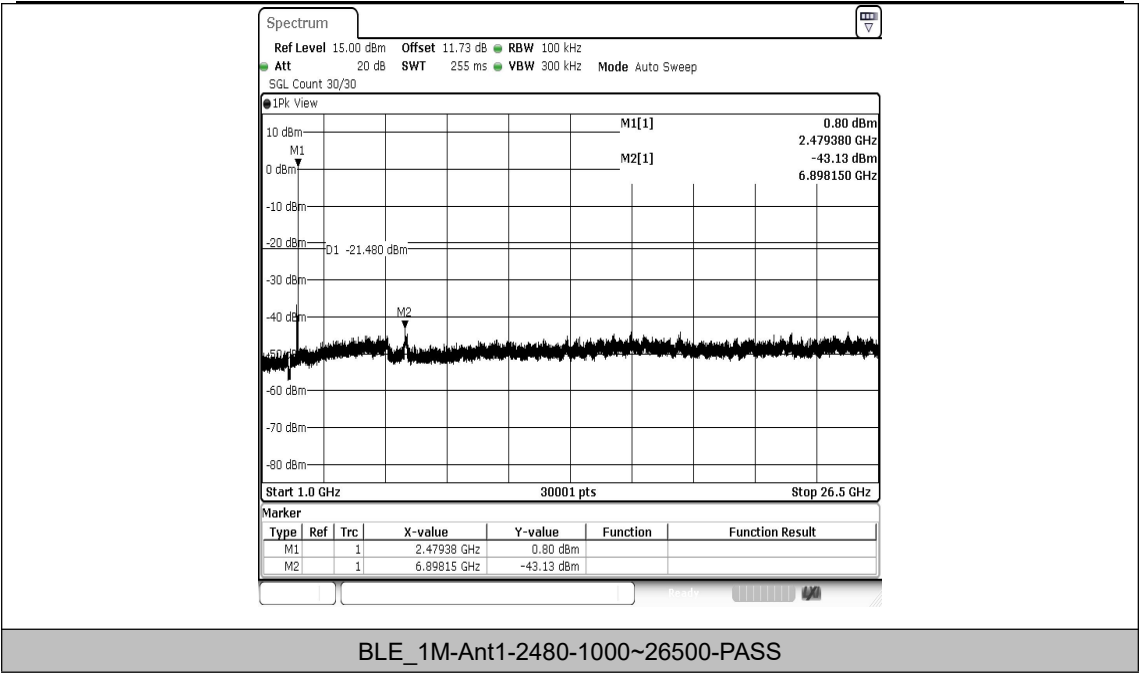




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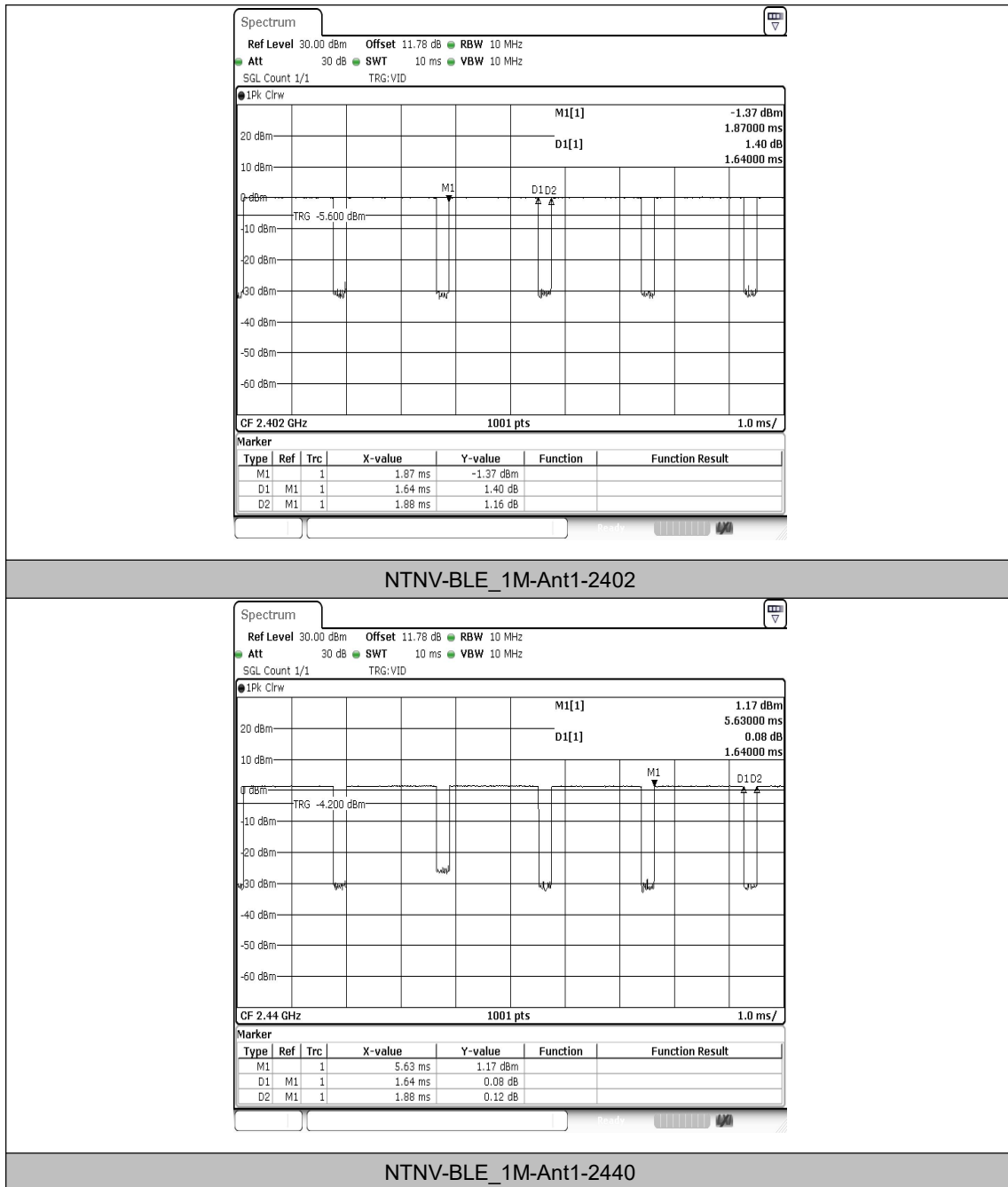
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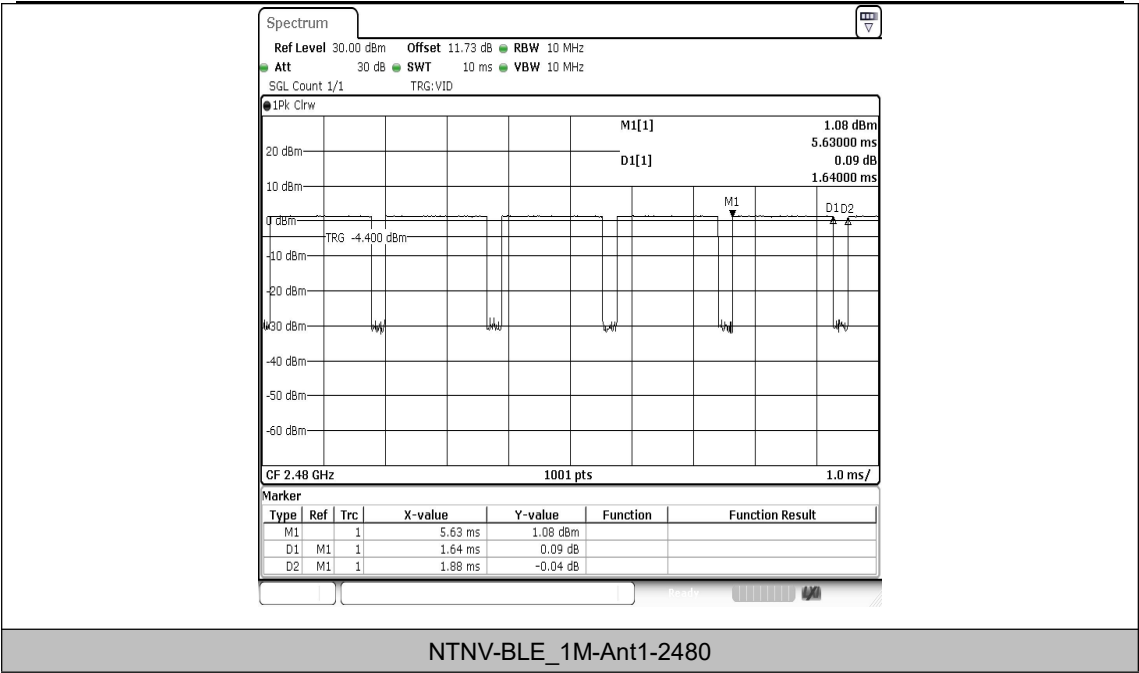
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	1.64	1.88	87.23	0.59
BLE_1M	Ant1	2440	1.64	1.88	87.23	0.59
BLE_1M	Ant1	2480	1.64	1.88	87.23	0.59

Test Graphs





---End---