

Appendix Test Data

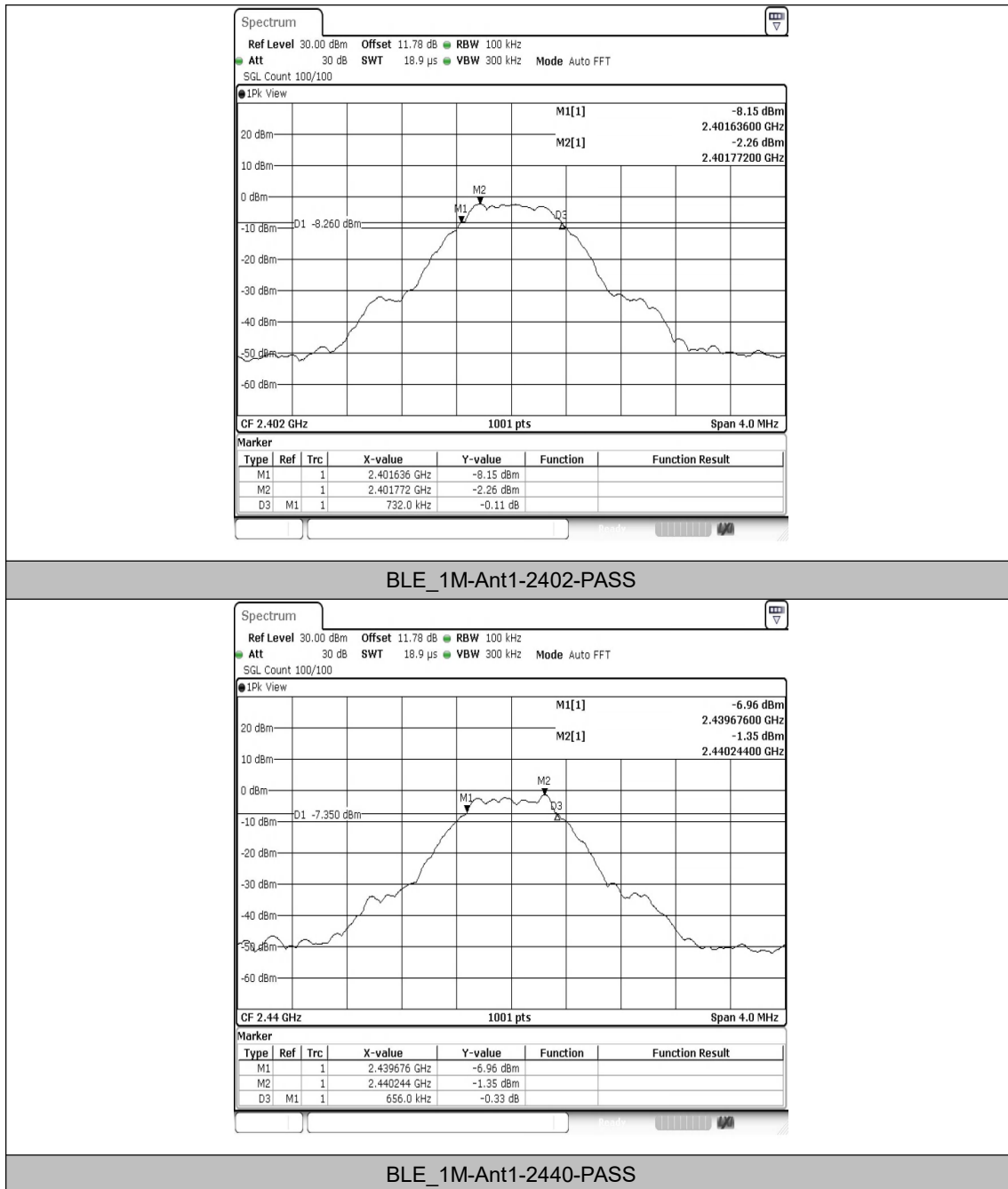
Report No.:	1812C50129012501	Test Sample No.:	1-2-2
Start Test Date:	2025.4.2	Finish Test Date:	2025.4.7
Test Engineer:	Hu Sen Guan	Auditor:	Justin Feng
Temperature:	22.4°C	Relative Humidity:	44%
Pressure:	101kPa		

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	0.73	2401.64	2402.37	0.5	PASS
BLE_1M	Ant1	2440	0.66	2439.68	2440.33	0.5	PASS
BLE_1M	Ant1	2480	0.66	2479.66	2480.31	0.5	PASS

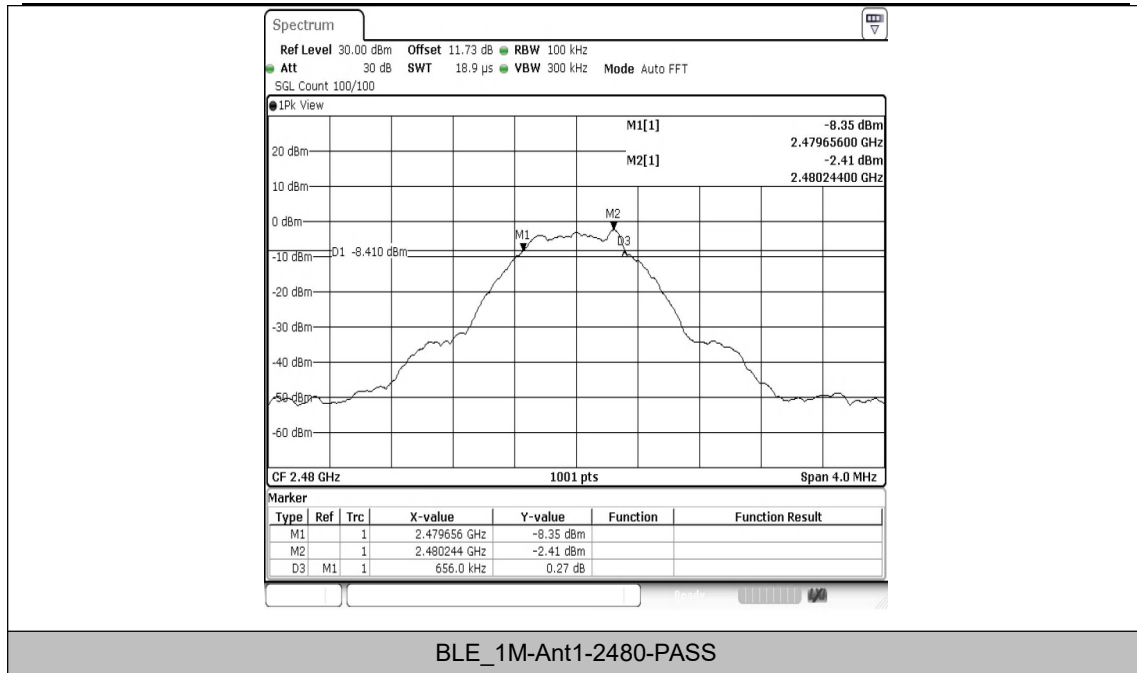
Test Graphs



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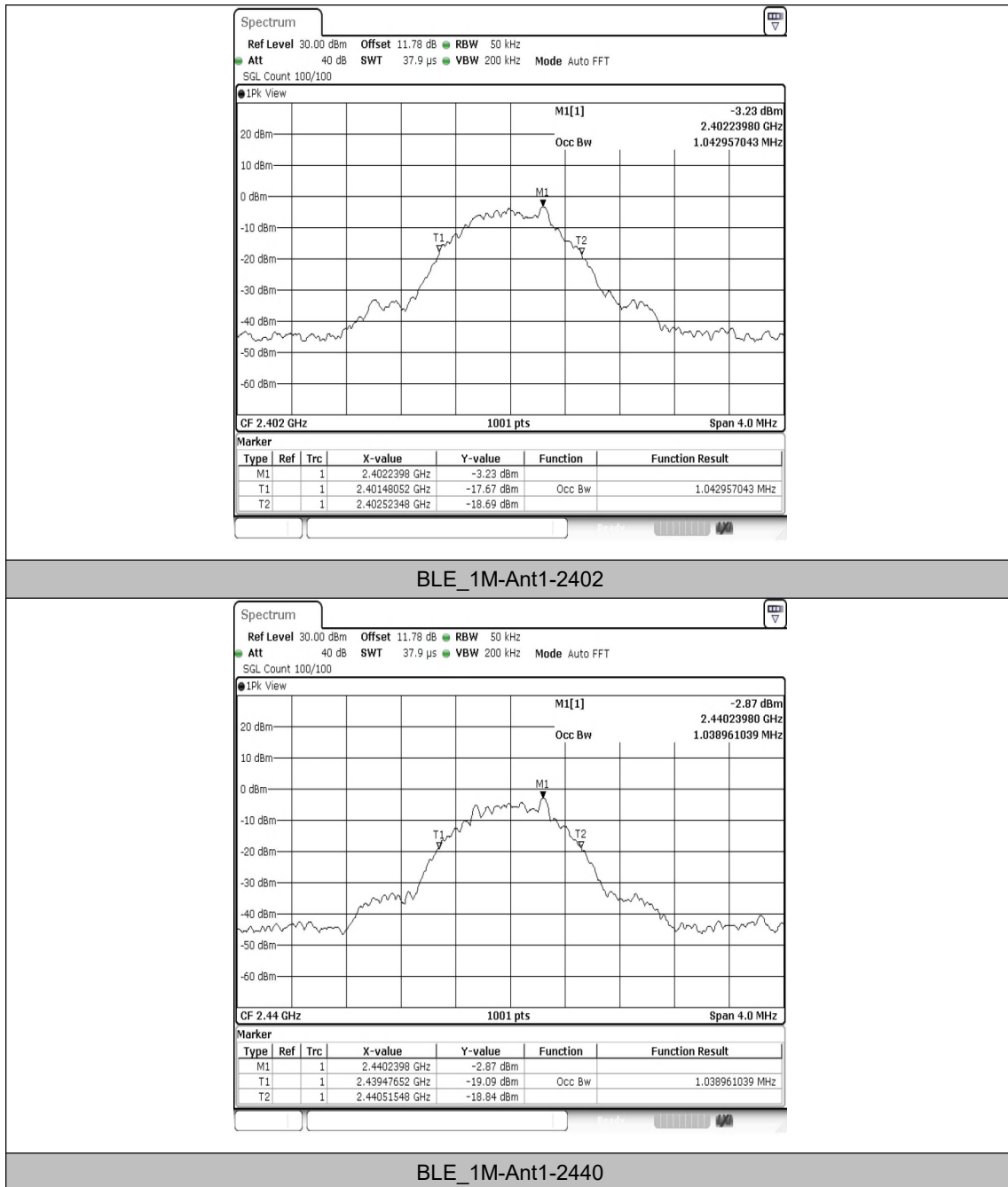
Appendix B: 99% Occupied Bandwidth

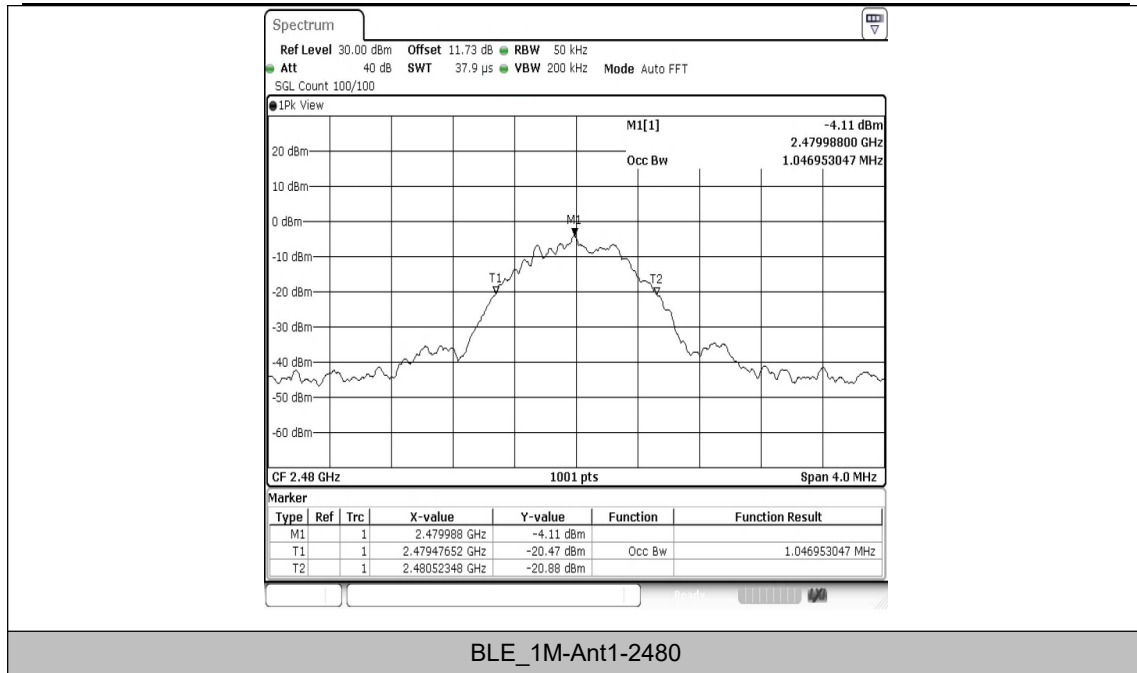
Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.043	2401.4805	2402.5235	---	---
BLE_1M	Ant1	2440	1.039	2439.4765	2440.5155	---	---
BLE_1M	Ant1	2480	1.047	2479.4765	2480.5235	---	---

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Test Graphs





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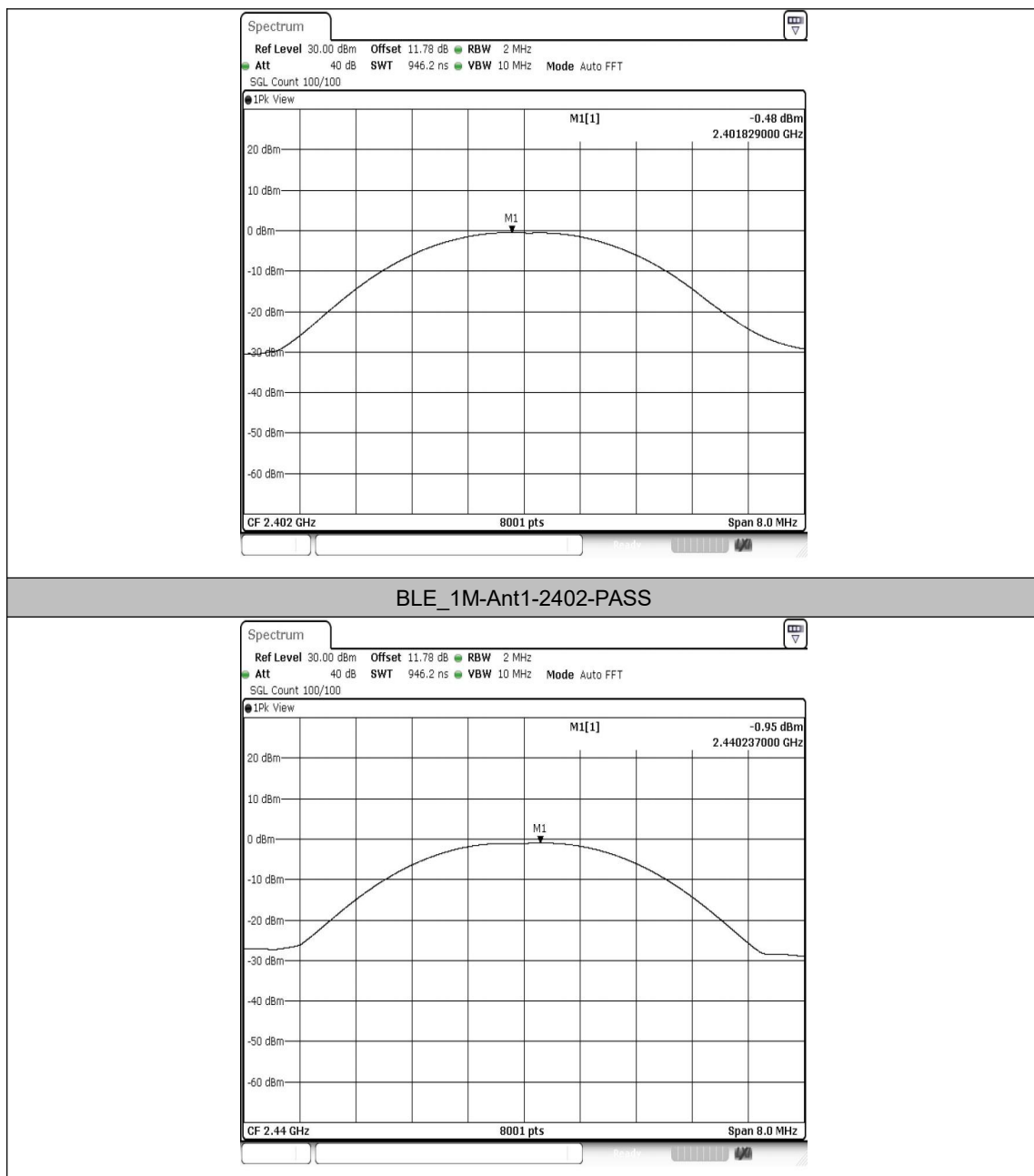
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Appendix C: Maximum conducted output power

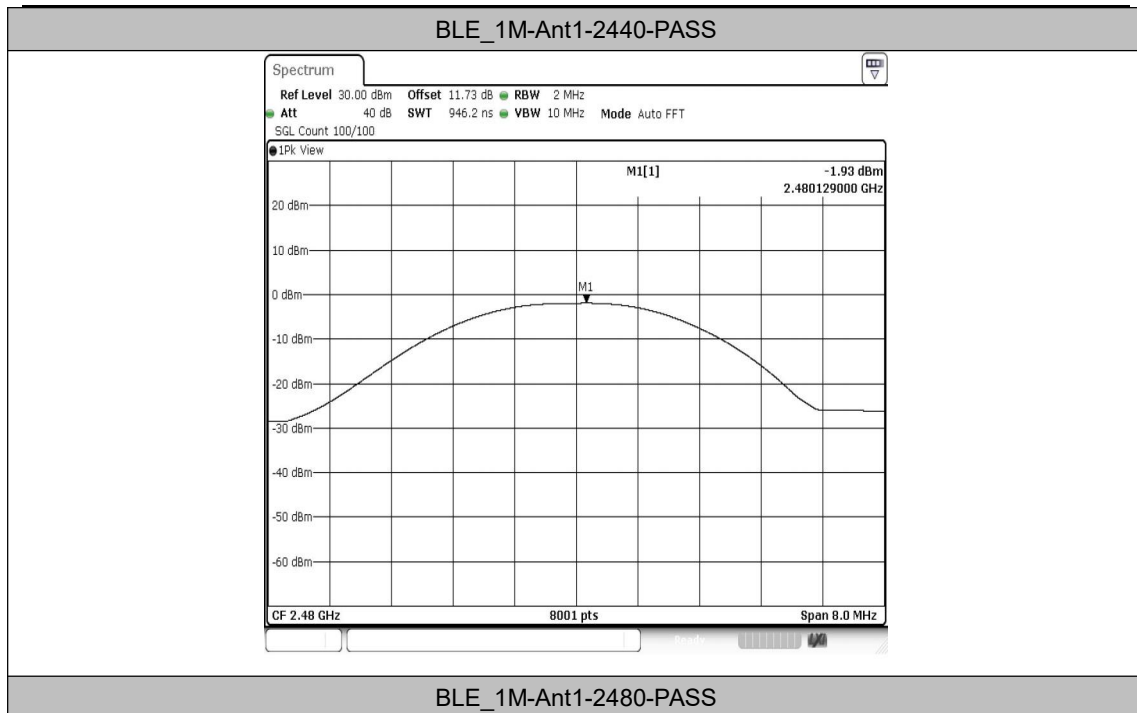
Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.48	≤30	PASS
BLE_1M	Ant1	2440	-0.95	≤30	PASS
BLE_1M	Ant1	2480	-1.93	≤30	PASS

Test Graphs Peak



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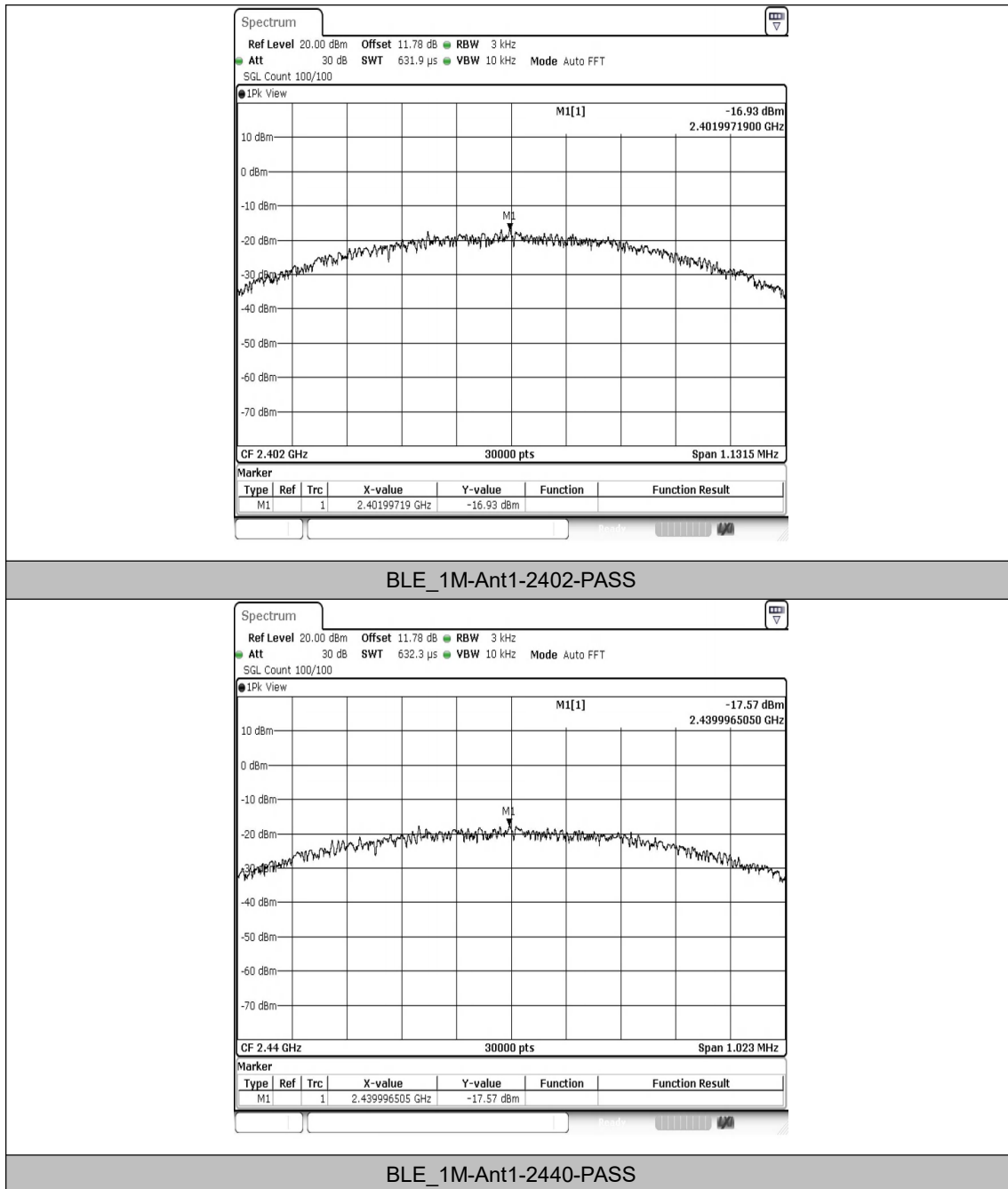
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.93	≤8.00	PASS
BLE_1M	Ant1	2440	-17.57	≤8.00	PASS
BLE_1M	Ant1	2480	-18.69	≤8.00	PASS



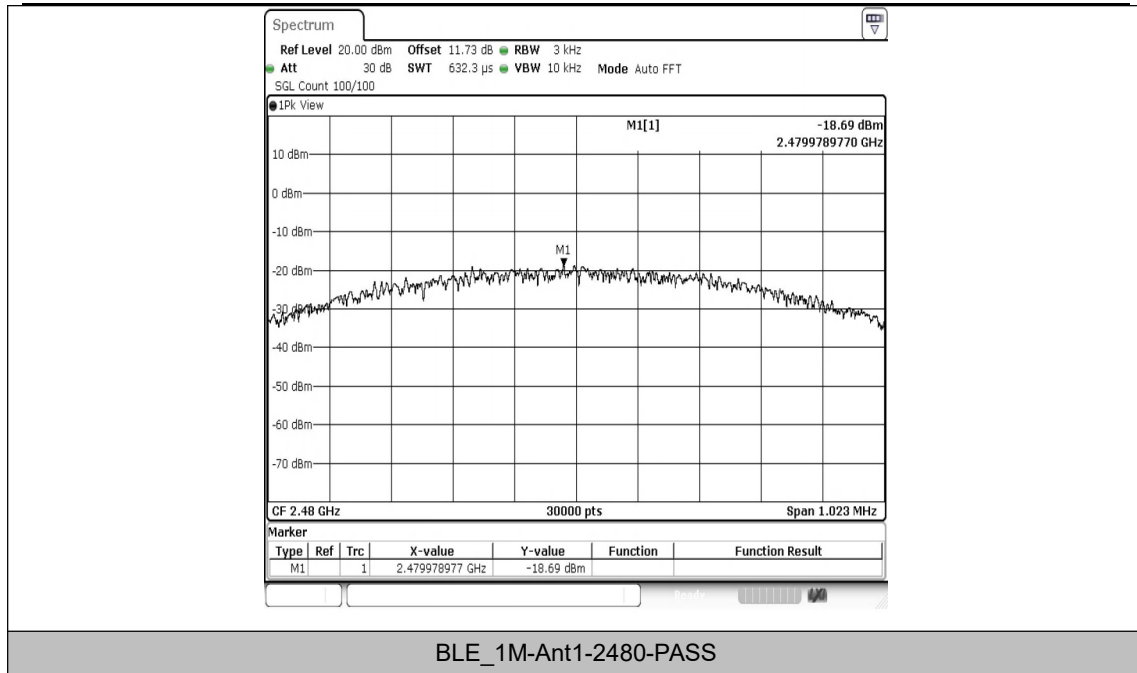
Test Graphs



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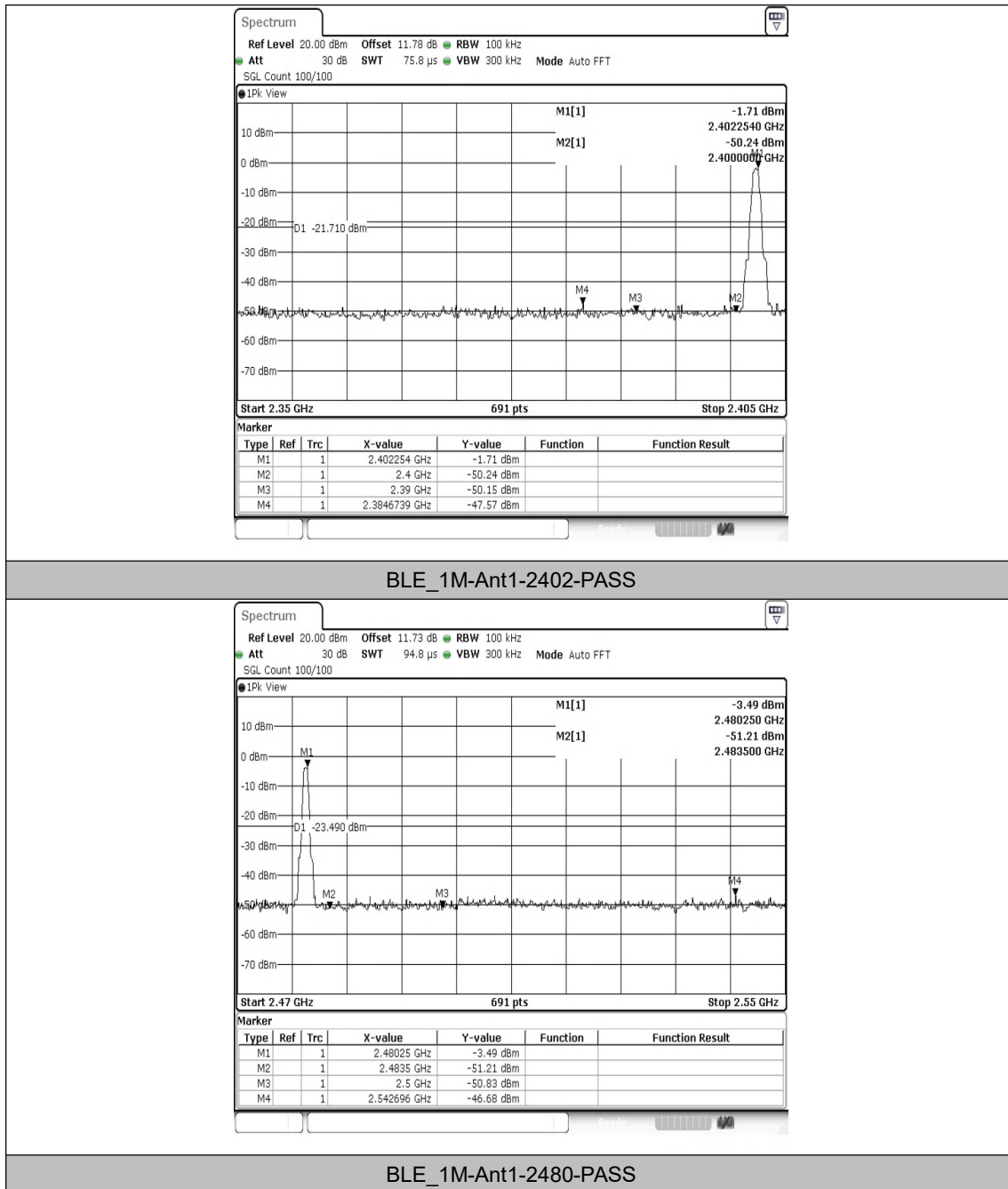
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.71	-47.57	≤-21.71	PASS
BLE_1M	Ant1	High	2480	-3.49	-46.68	≤-23.49	PASS



Test Graphs



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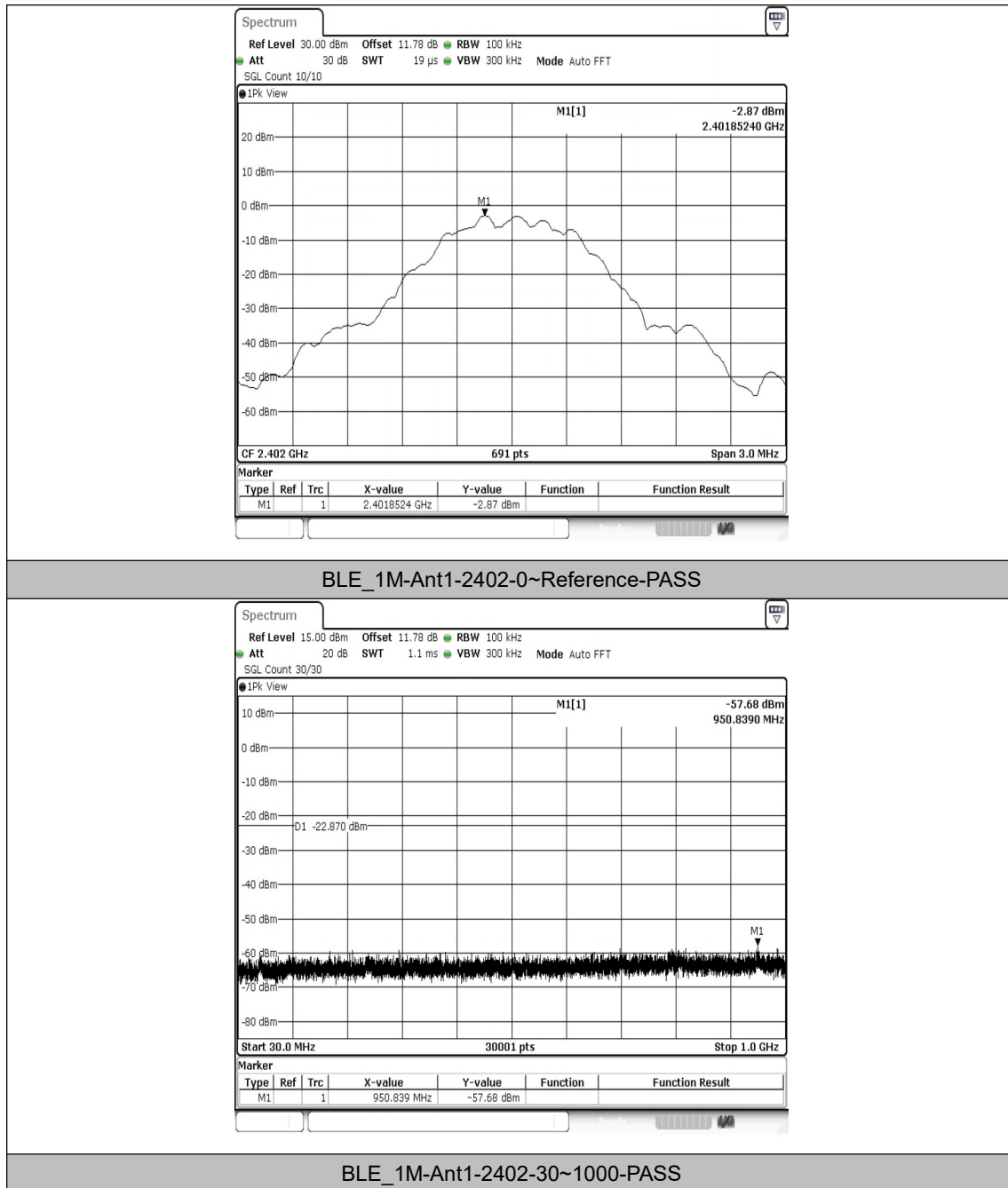
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Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-2.87	-2.87	---	PASS
BLE_1M	Ant1	2402	30~1000	-2.87	-57.68	≤-22.87	PASS
BLE_1M	Ant1	2402	1000~26500	-2.87	-32.54	≤-22.87	PASS
BLE_1M	Ant1	2440	0~Reference	-2.19	-2.19	---	PASS
BLE_1M	Ant1	2440	30~1000	-2.19	-57.87	≤-22.19	PASS
BLE_1M	Ant1	2440	1000~26500	-2.19	-31.33	≤-22.19	PASS
BLE_1M	Ant1	2480	0~Reference	-4.57	-4.57	---	PASS
BLE_1M	Ant1	2480	30~1000	-4.57	-58.01	≤-24.57	PASS
BLE_1M	Ant1	2480	1000~26500	-4.57	-32.08	≤-24.57	PASS

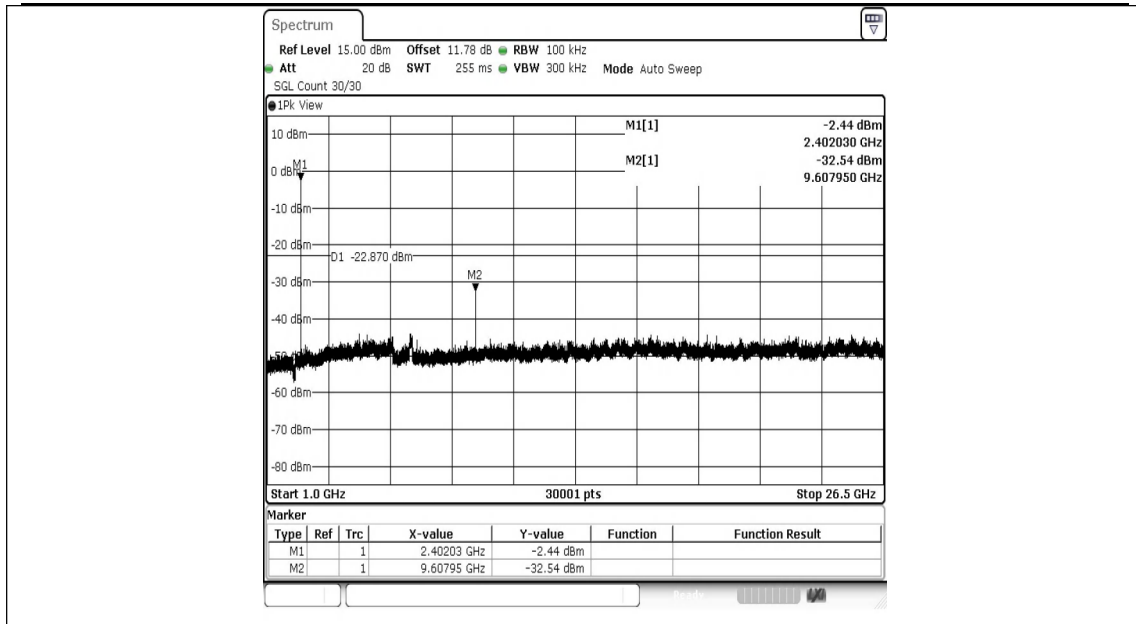
Test Graphs



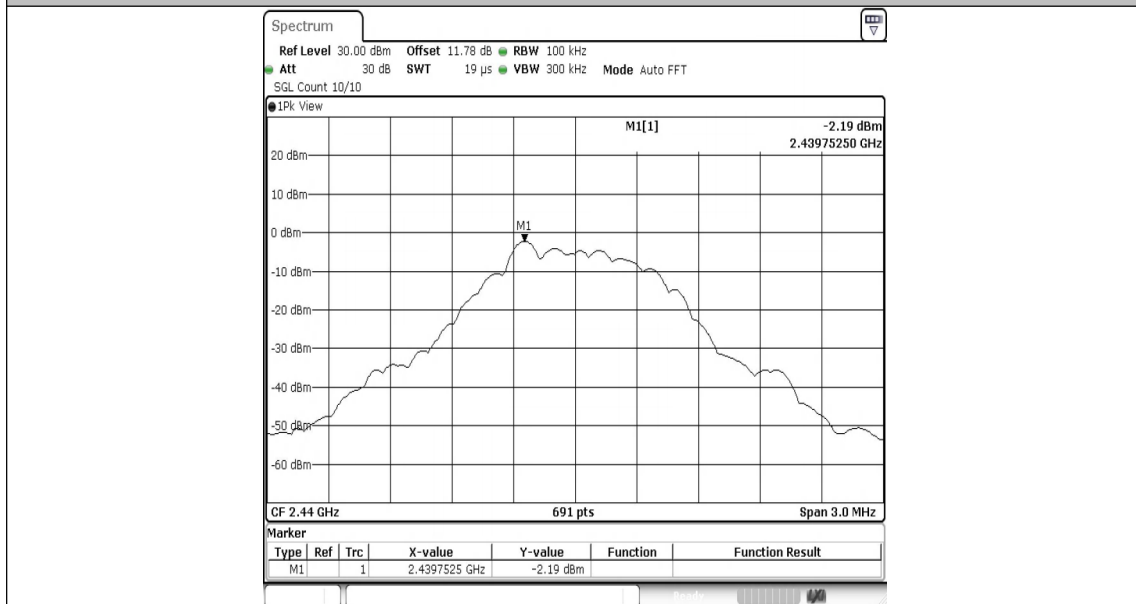
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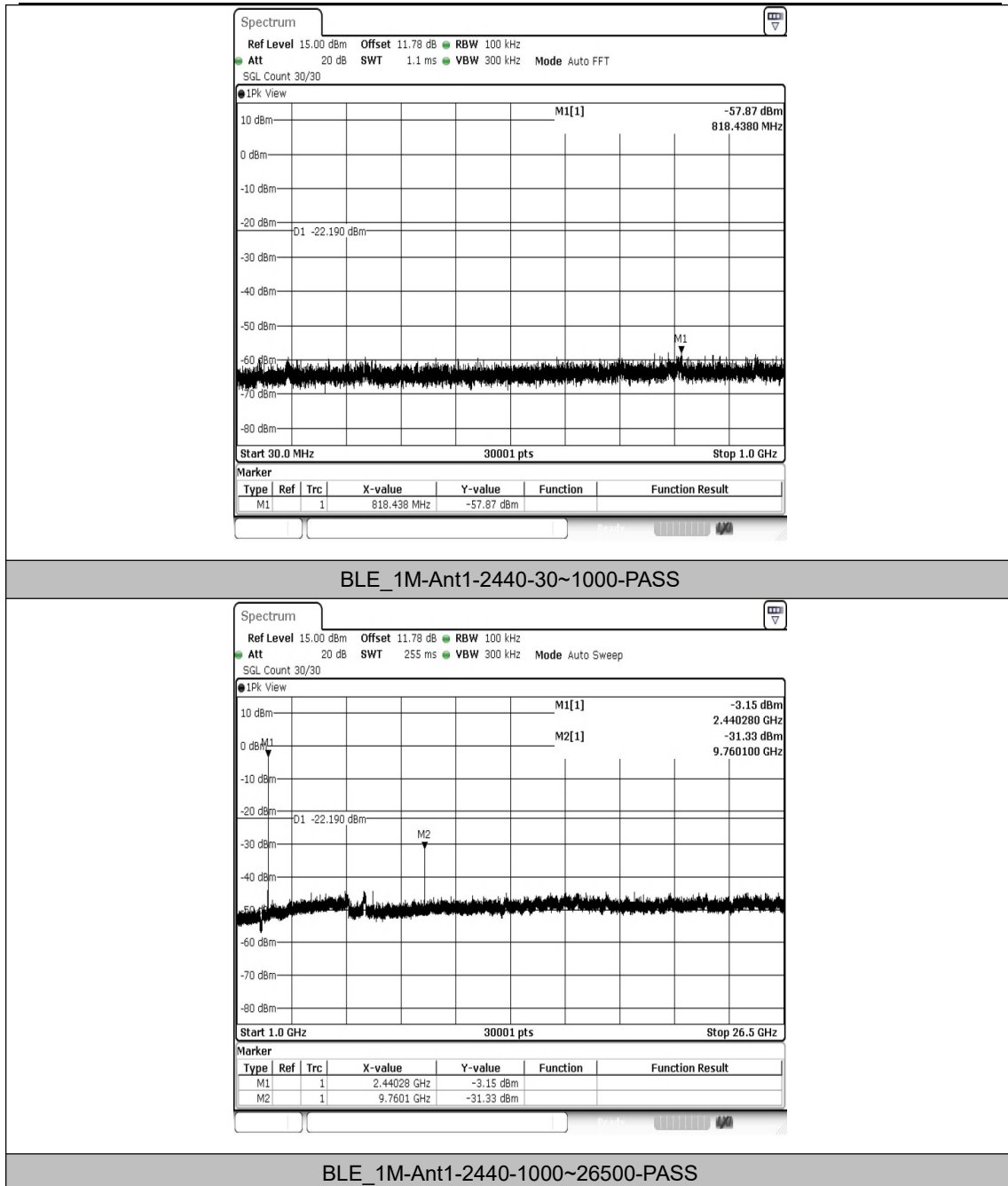
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BLE_1M-Ant1-2402-1000~26500-PASS



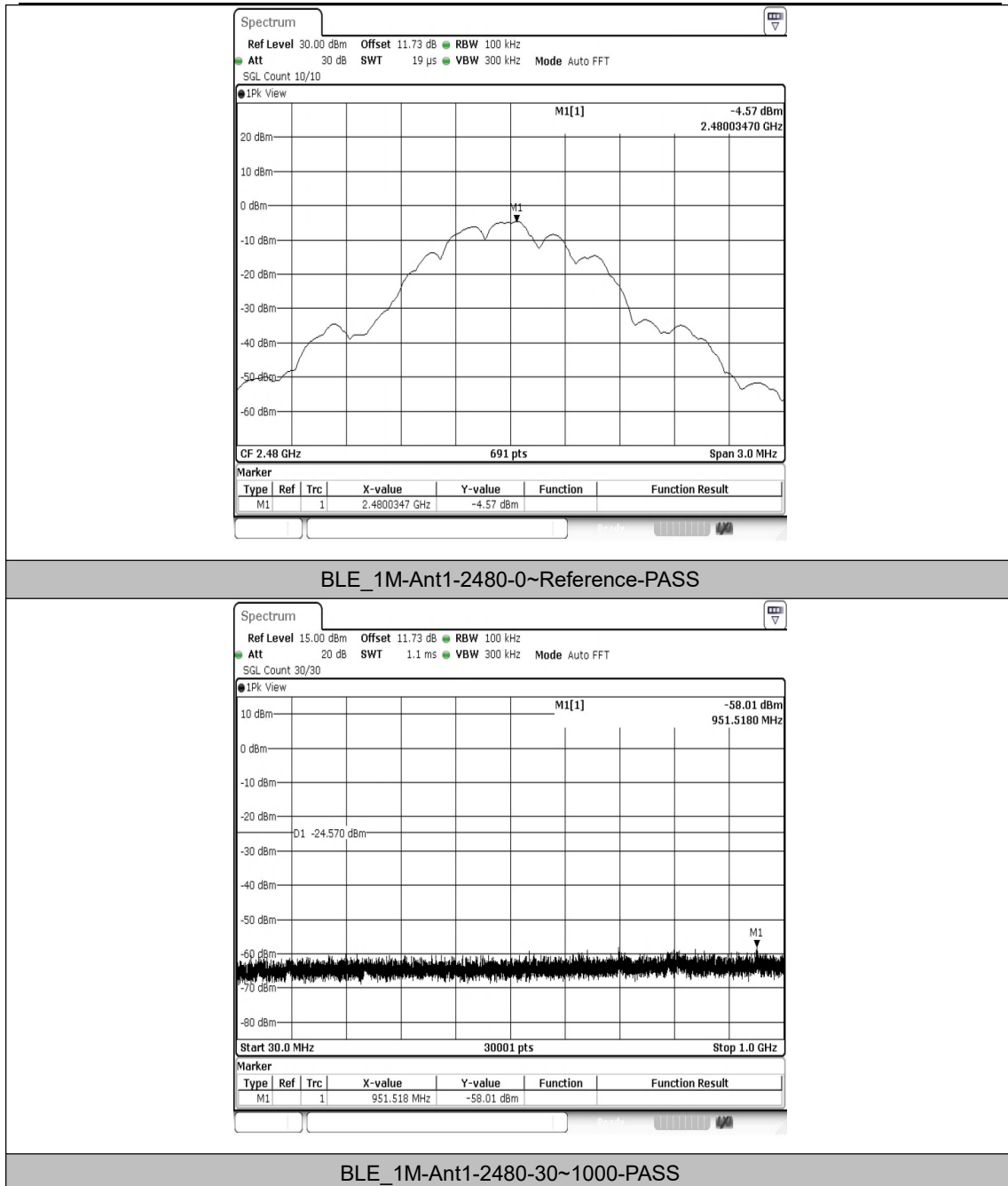
BLE_1M-Ant1-2440-0~Reference-PASS



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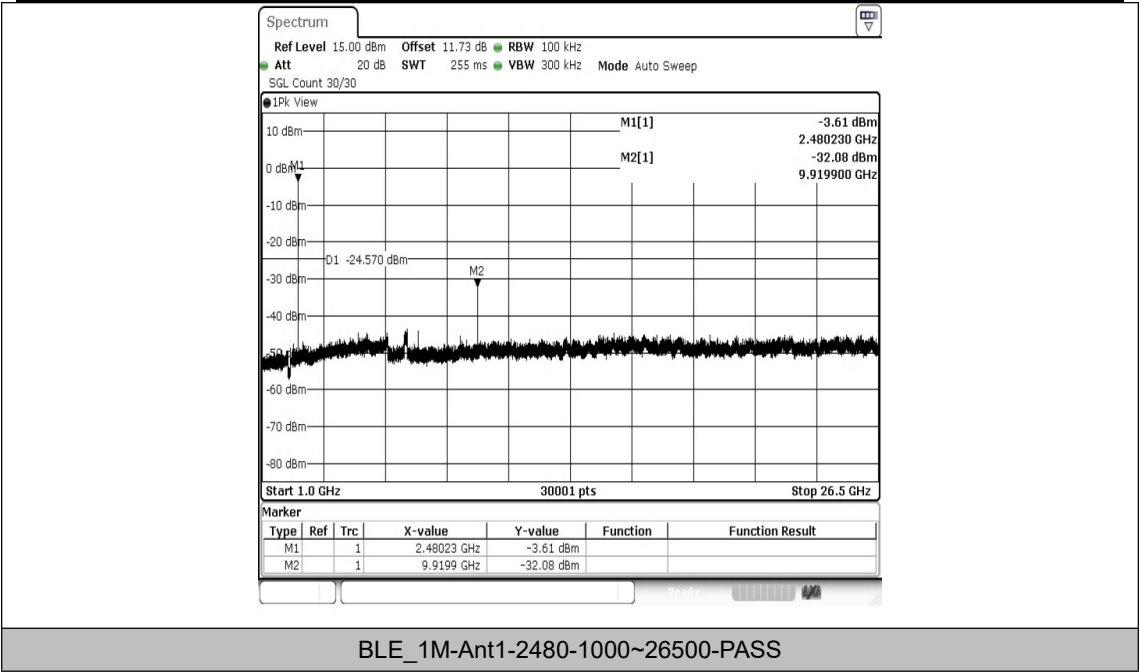
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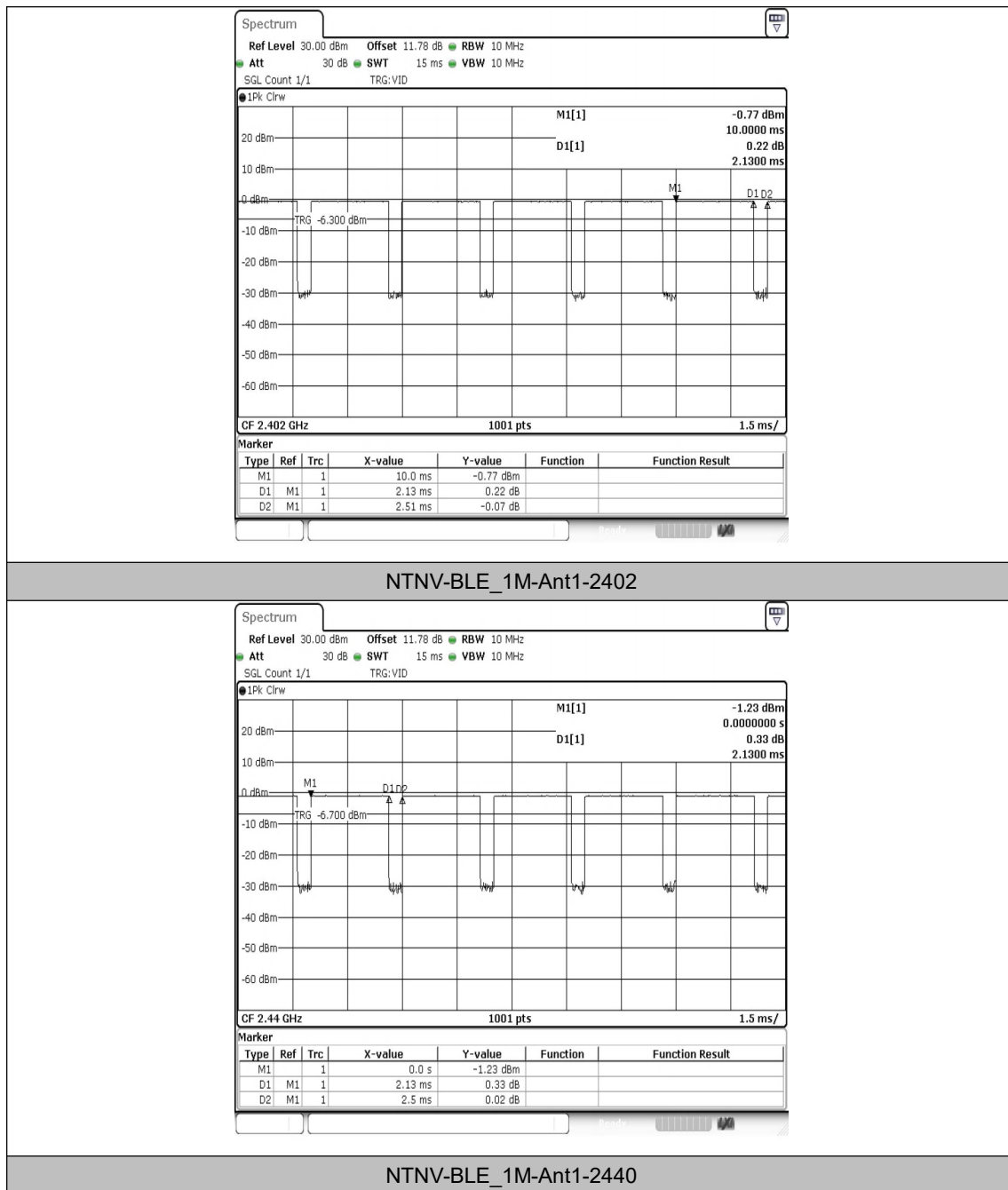
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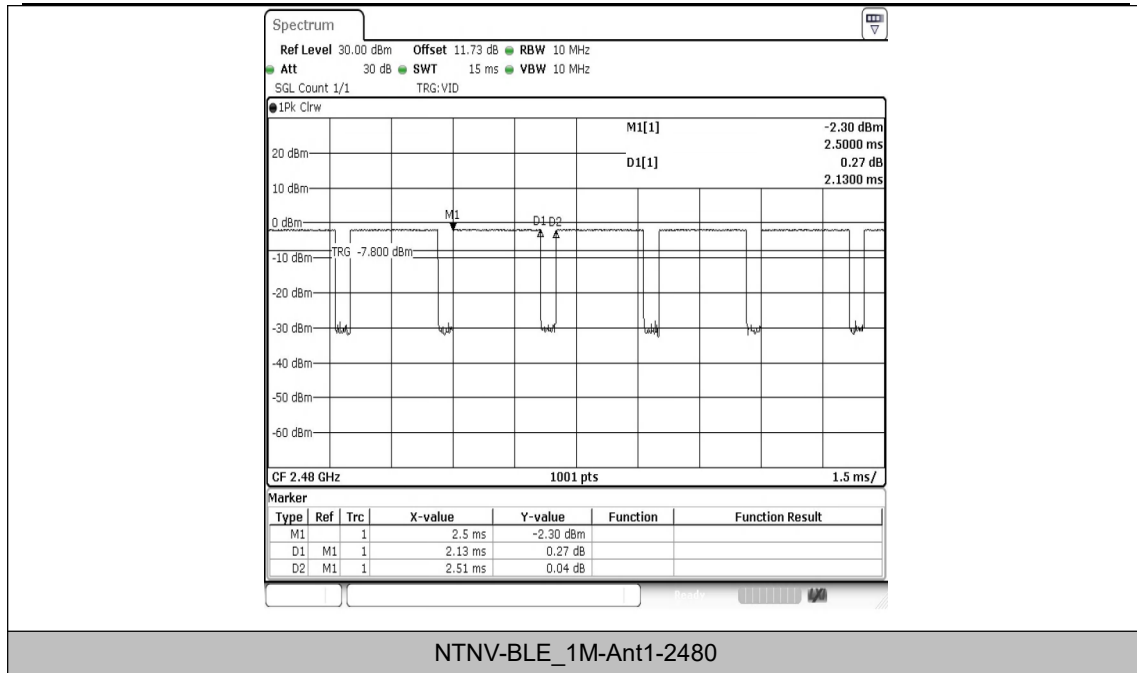
Appendix G: Duty Cycle

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	2.50	85.20	0.70
BLE_1M	Ant1	2480	2.13	2.51	84.86	0.71

Test Graphs





---End---