

Appendix Test Data

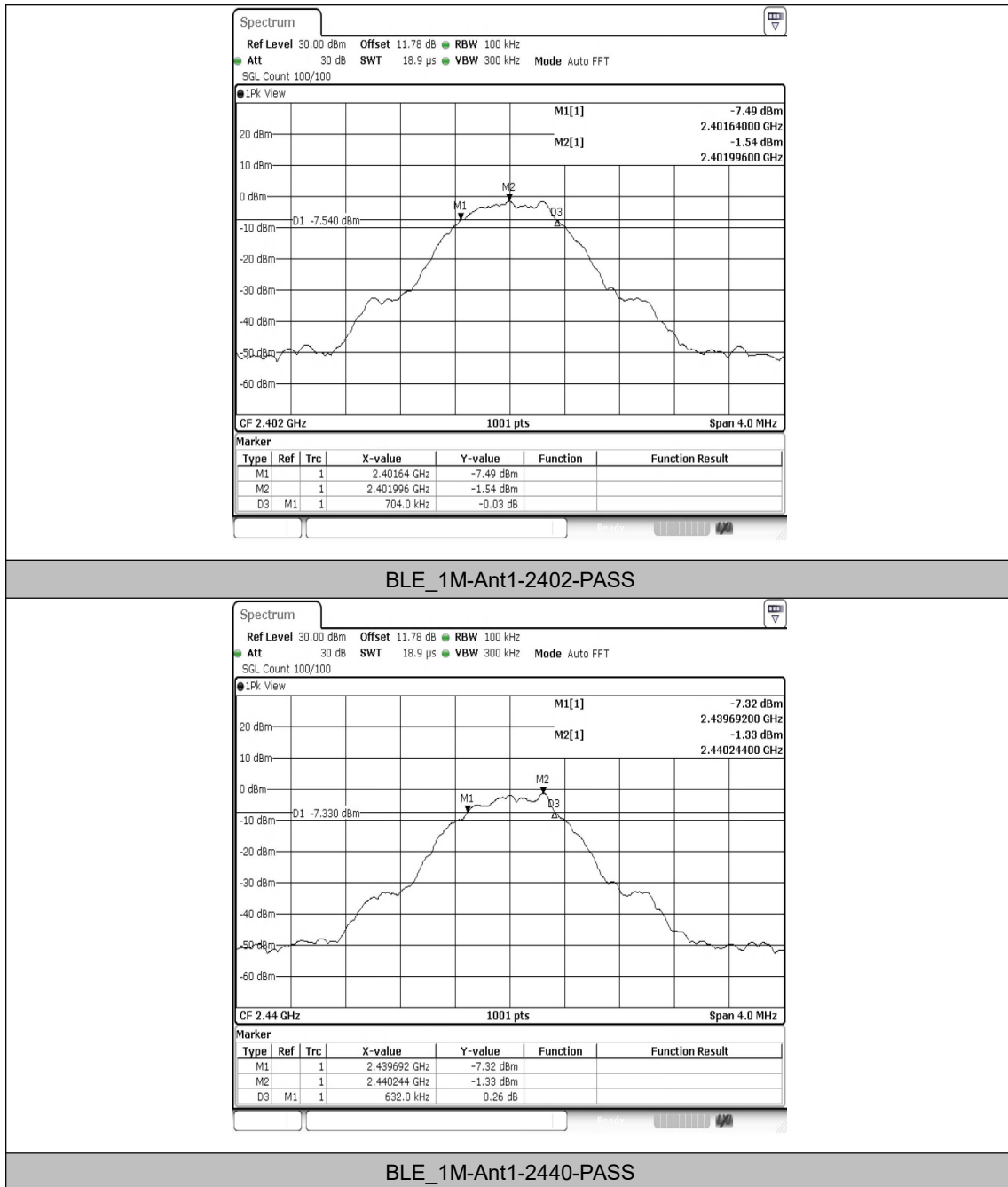
Report No.:	1812C50128712502	Test Sample No.:	1-2-2
Start Test Date:	2025.4.2	Finish Test Date:	2025.4.8
Test Engineer:	Hu Sen Guan	Auditor:	Justin Feng
Temperature:	23.2℃	Relative Humidity:	42%
Pressure:	101kPa		

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	2401.64	2402.34	0.5	PASS
BLE_1M	Ant1	2440	0.63	2439.69	2440.32	0.5	PASS
BLE_1M	Ant1	2480	0.70	2479.65	2480.35	0.5	PASS

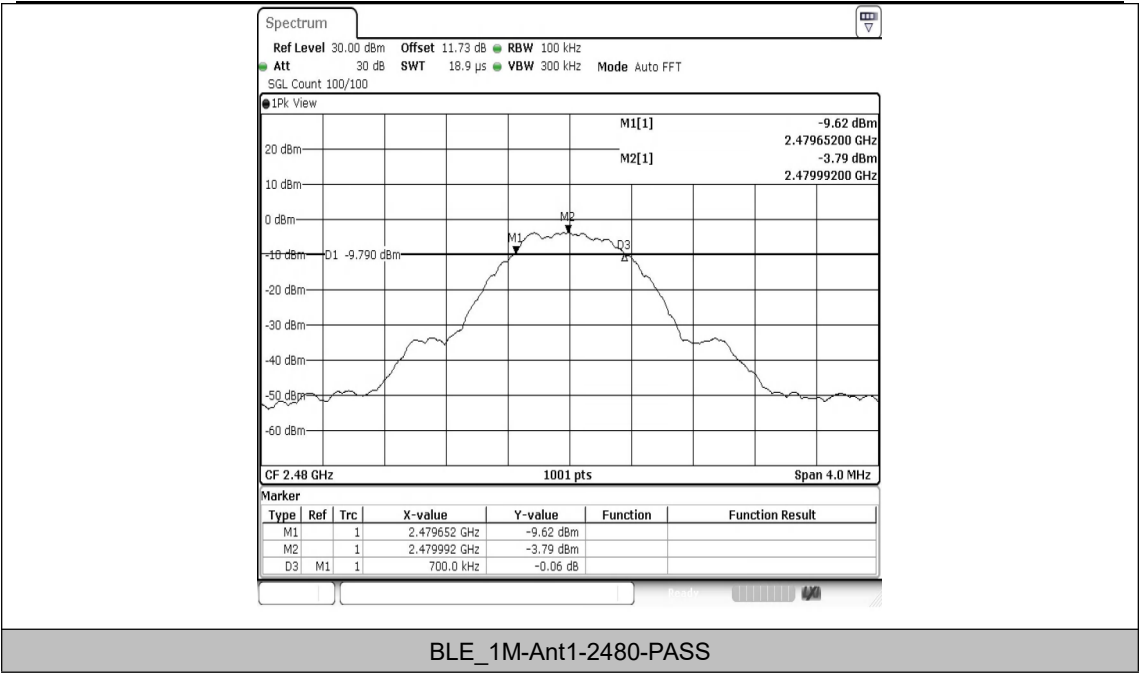
Test Graphs



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Appendix B: 99% Occupied Bandwidth

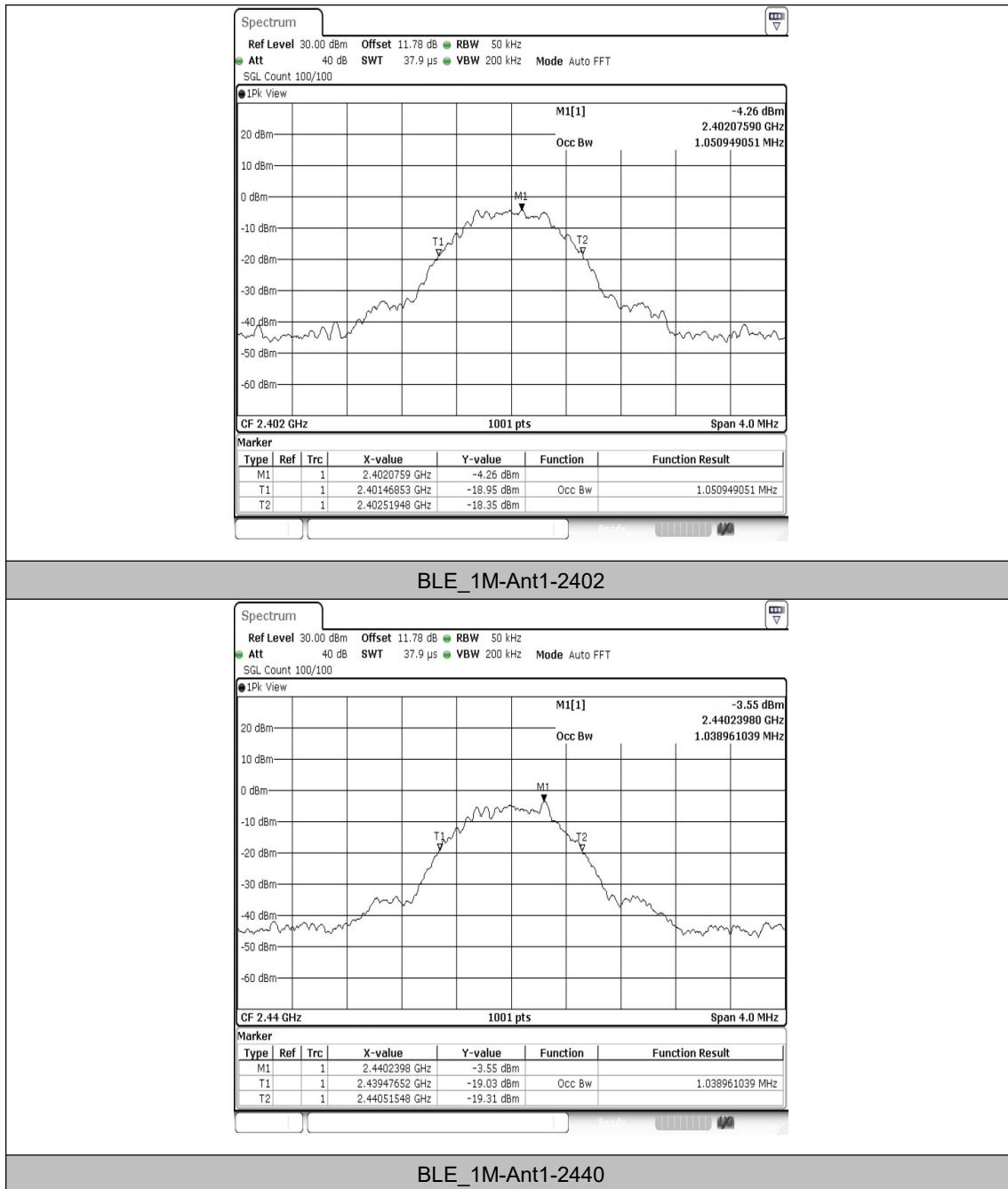
Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.051	2401.4685	2402.5195	---	---
BLE_1M	Ant1	2440	1.039	2439.4765	2440.5155	---	---
BLE_1M	Ant1	2480	1.035	2479.4805	2480.5155	---	---

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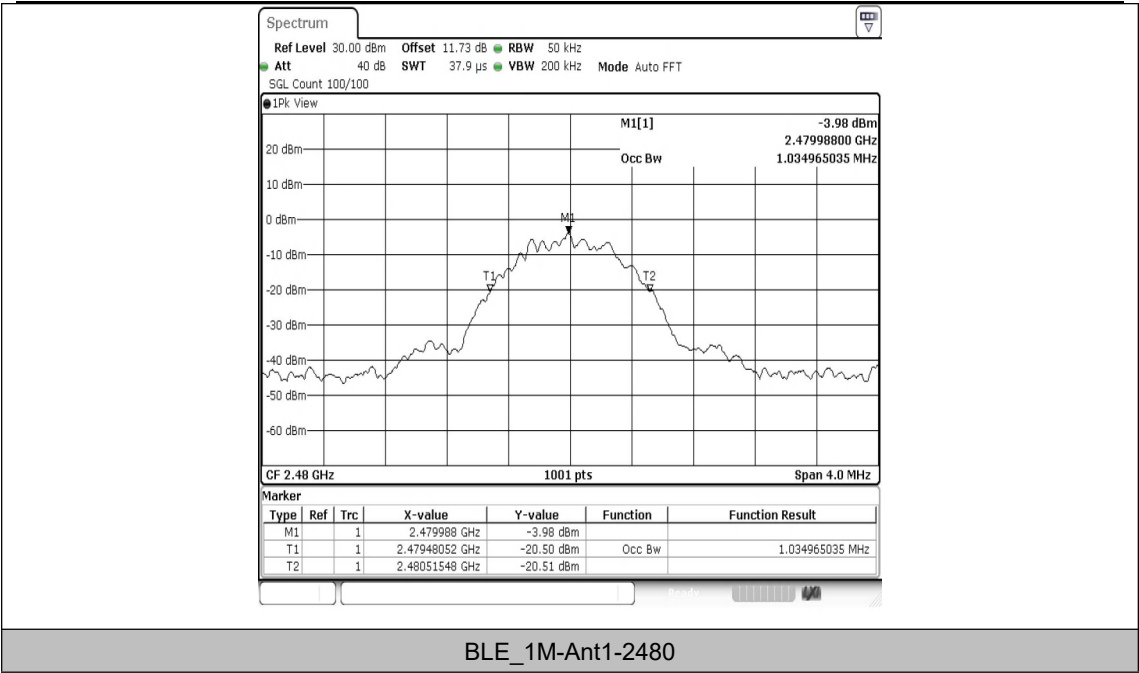
Test Graphs



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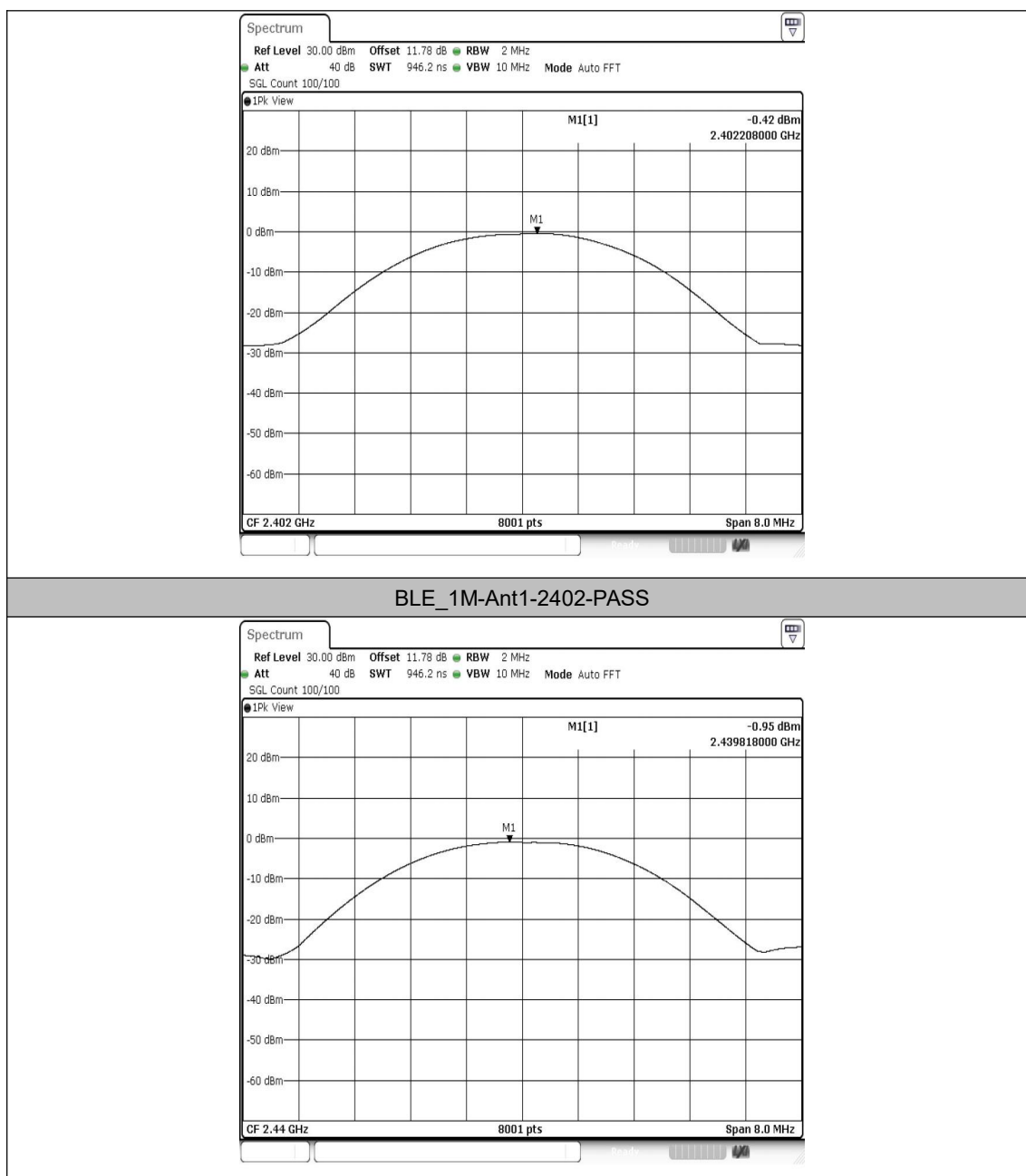
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.42	≤30	PASS
BLE_1M	Ant1	2440	-0.95	≤30	PASS
BLE_1M	Ant1	2480	-2.05	≤30	PASS

Test Graphs Peak



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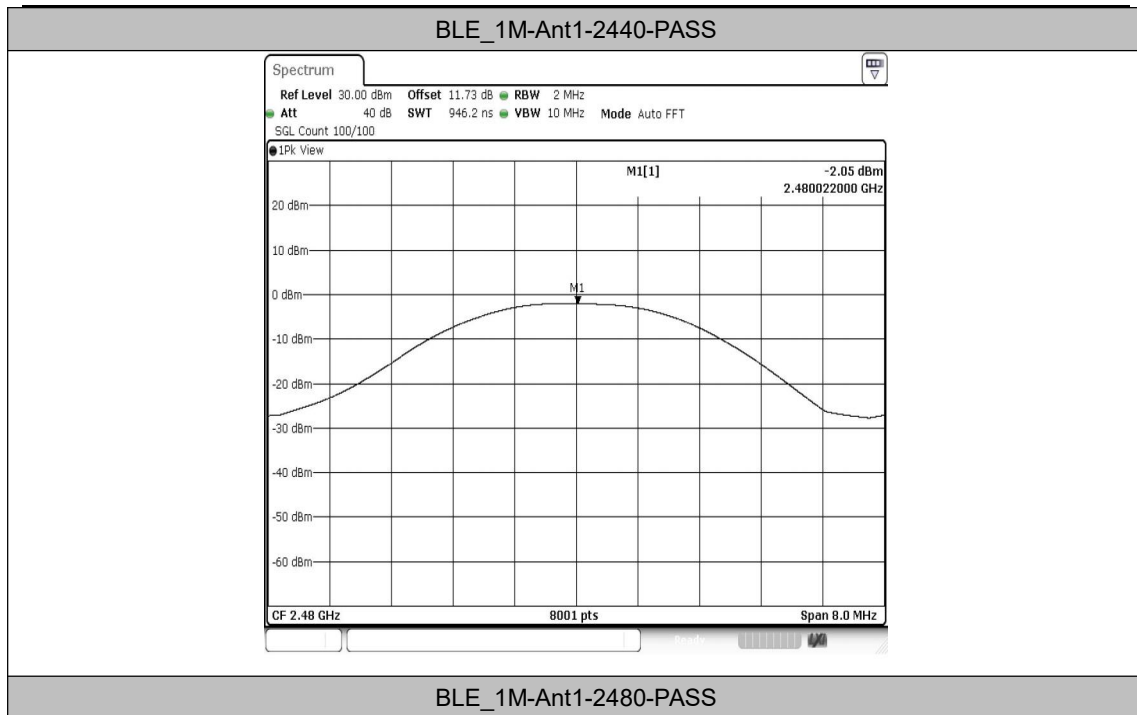
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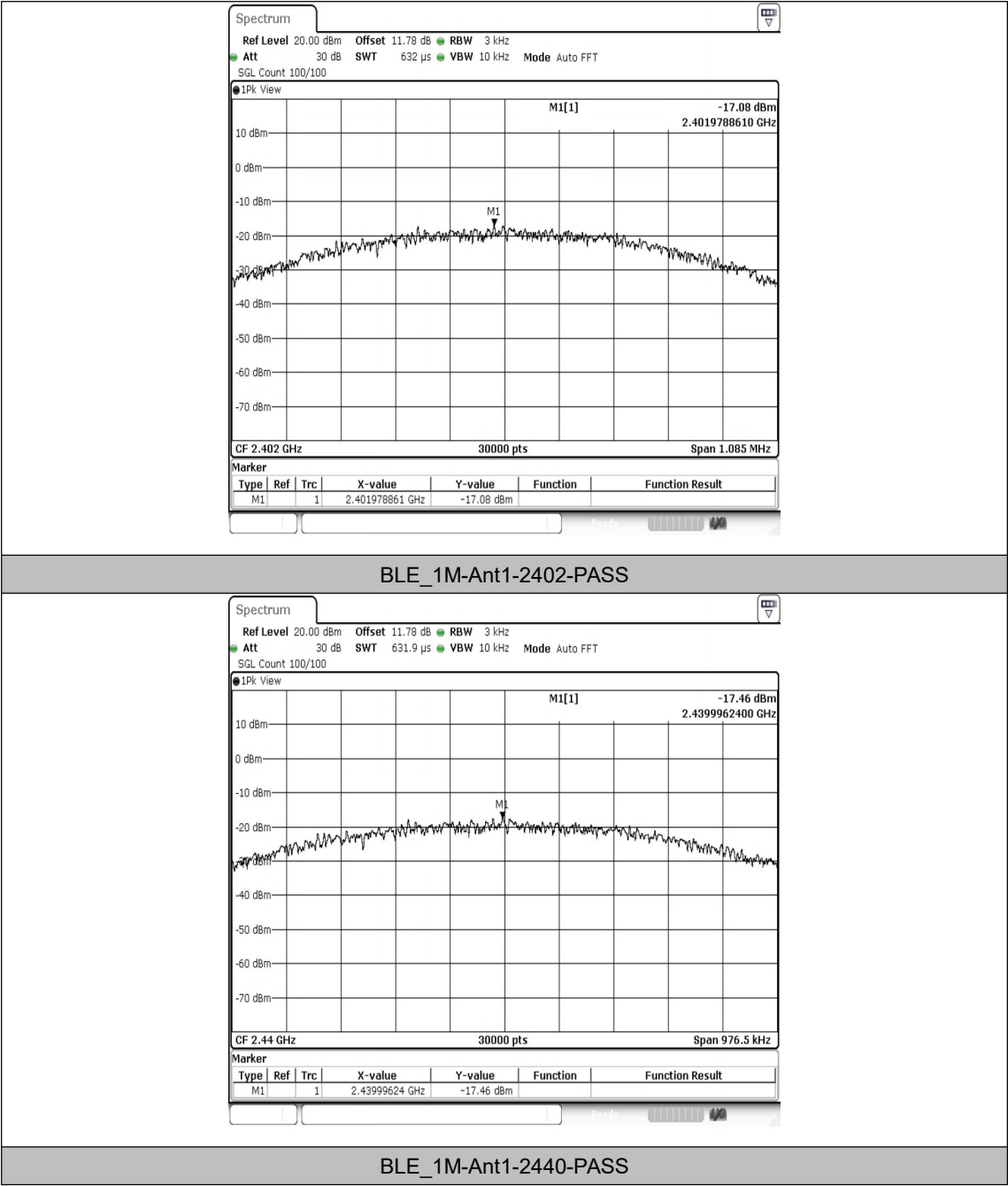
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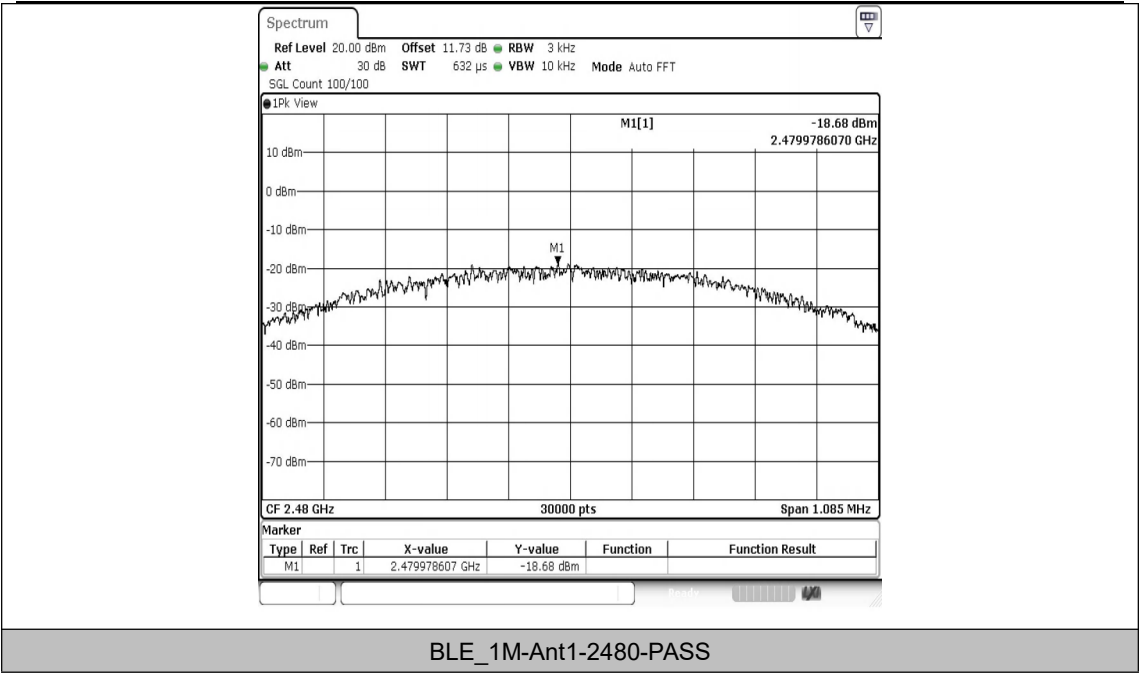
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-17.08	≤8.00	PASS
BLE_1M	Ant1	2440	-17.46	≤8.00	PASS
BLE_1M	Ant1	2480	-18.68	≤8.00	PASS

Test Graphs





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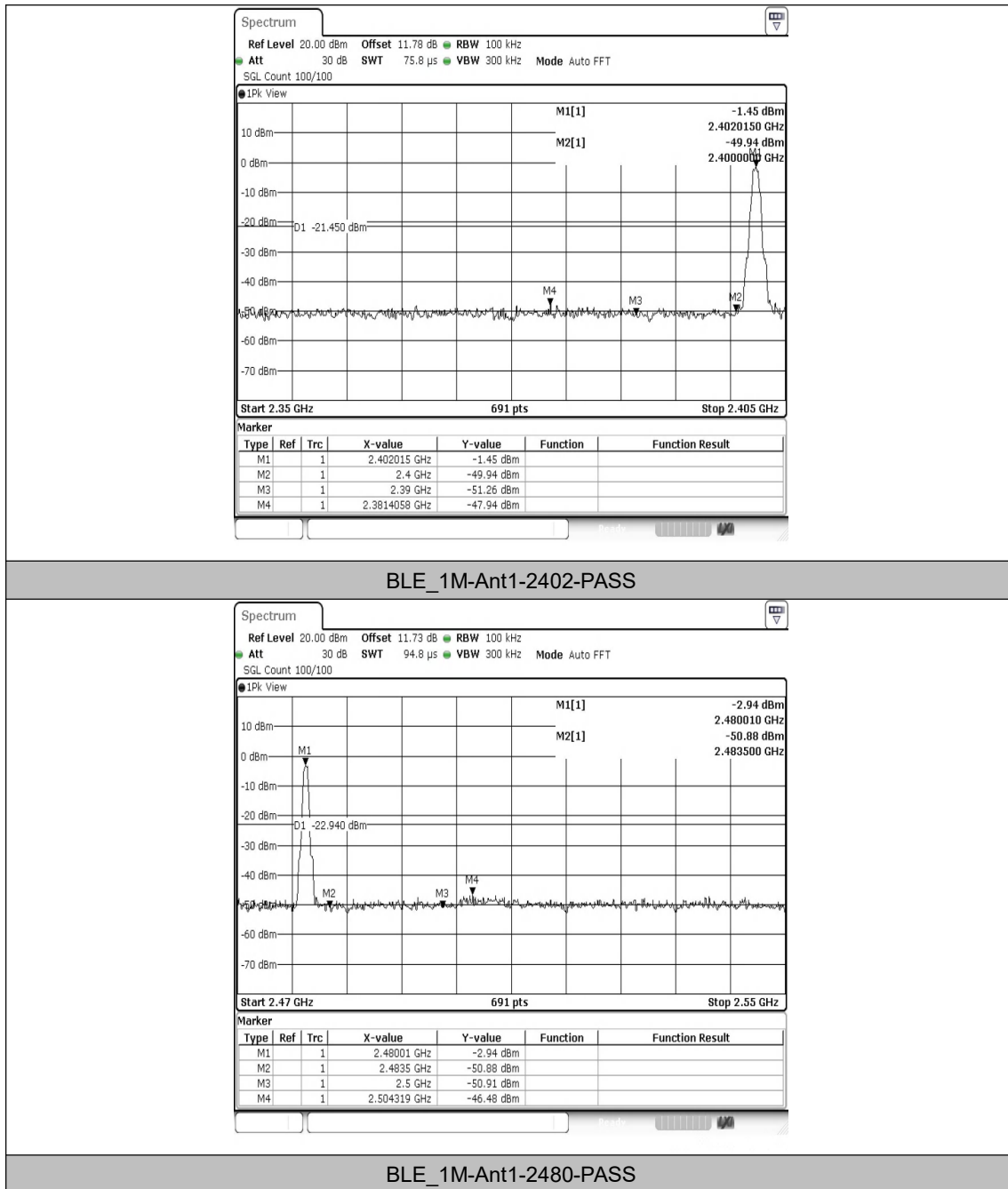
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.45	-47.94	≤-21.45	PASS
BLE_1M	Ant1	High	2480	-2.94	-46.48	≤-22.94	PASS

Test Graphs

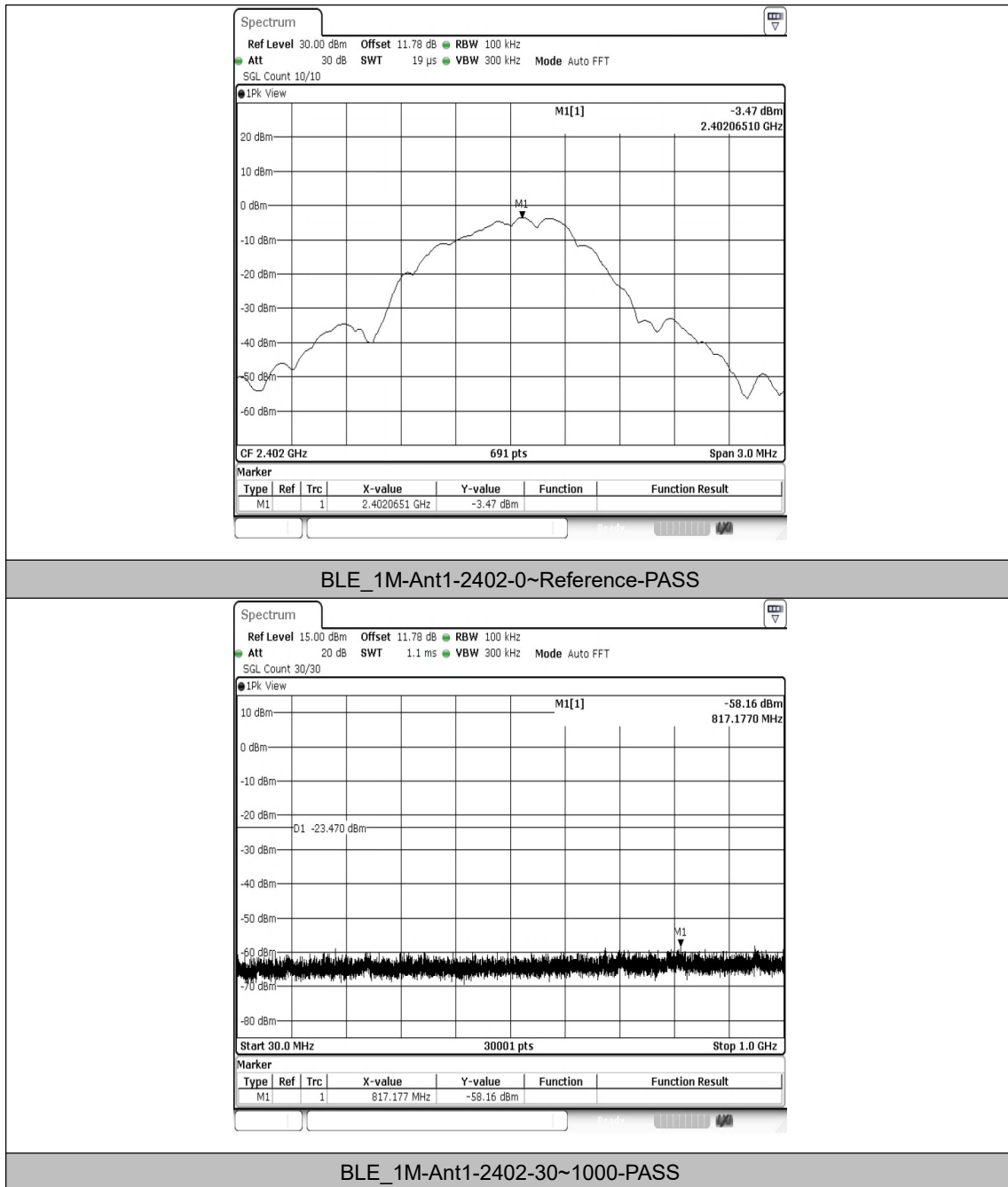


Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-3.47	-3.47	---	PASS
BLE_1M	Ant1	2402	30~1000	-3.47	-58.16	≤-23.47	PASS
BLE_1M	Ant1	2402	1000~26500	-3.47	-32.13	≤-23.47	PASS
BLE_1M	Ant1	2440	0~Reference	-2.82	-2.82	---	PASS
BLE_1M	Ant1	2440	30~1000	-2.82	-58.06	≤-22.82	PASS
BLE_1M	Ant1	2440	1000~26500	-2.82	-31.16	≤-22.82	PASS
BLE_1M	Ant1	2480	0~Reference	-4.26	-4.26	---	PASS
BLE_1M	Ant1	2480	30~1000	-4.26	-58.17	≤-24.26	PASS
BLE_1M	Ant1	2480	1000~26500	-4.26	-32	≤-24.26	PASS

Test Graphs



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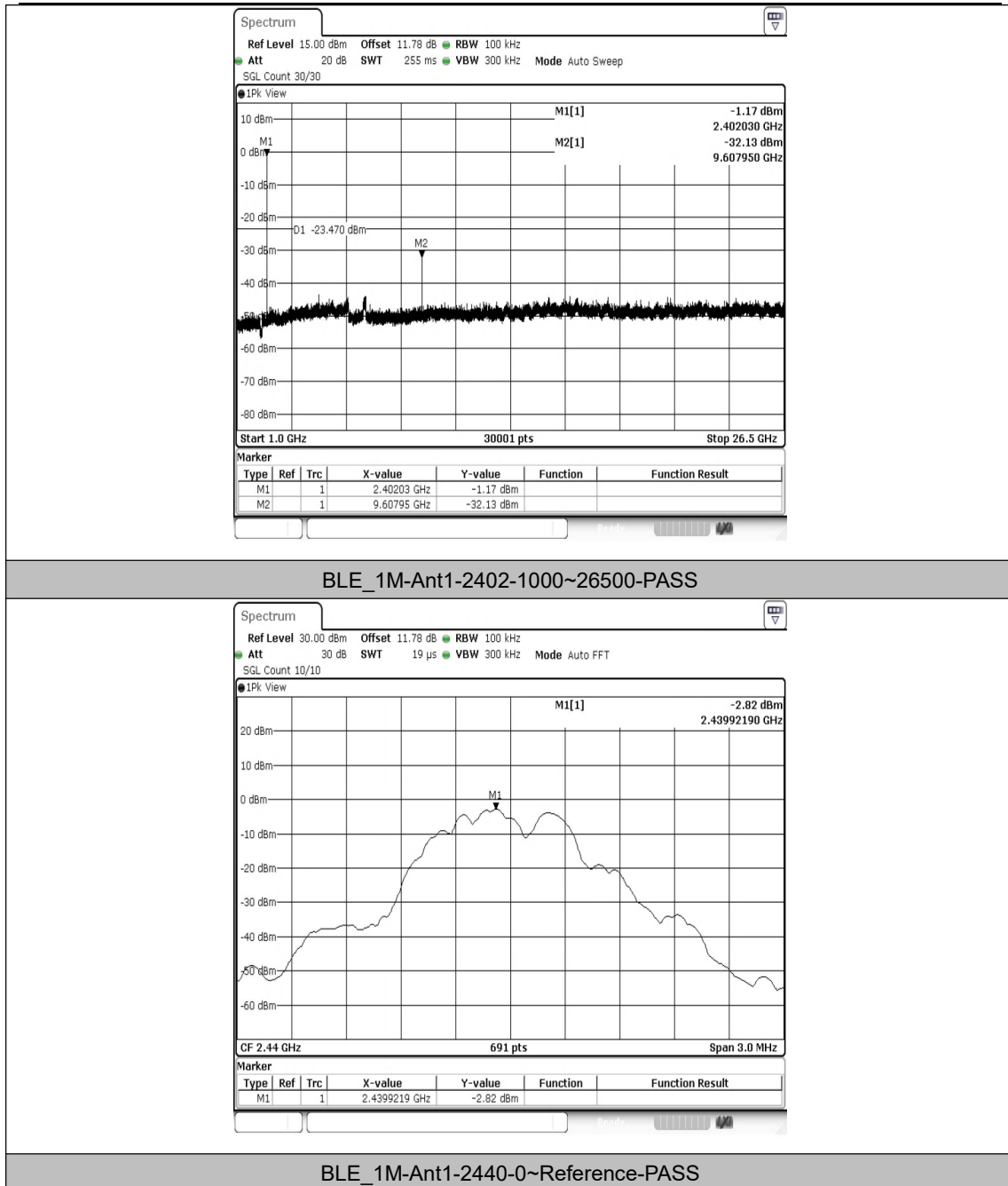
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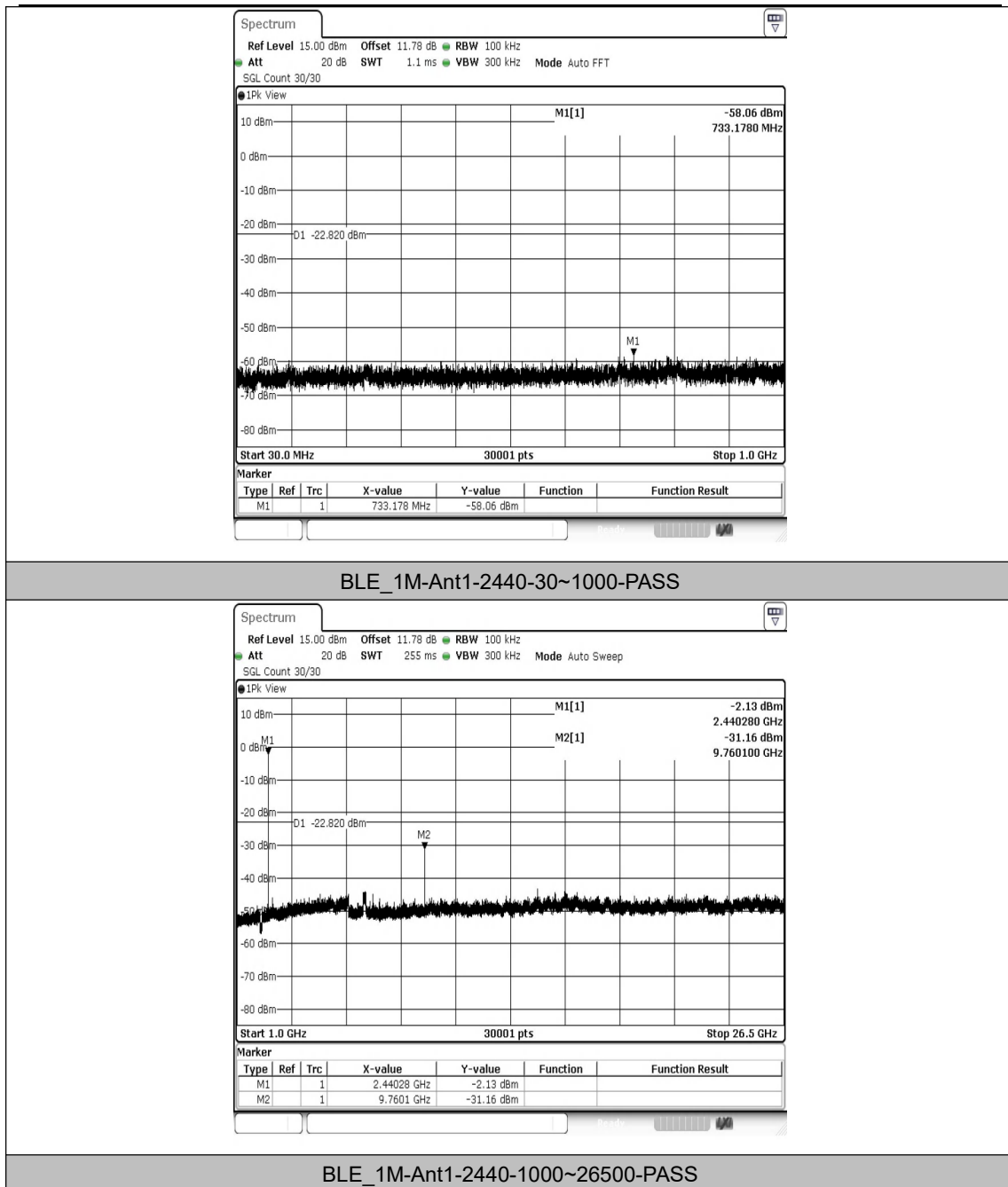
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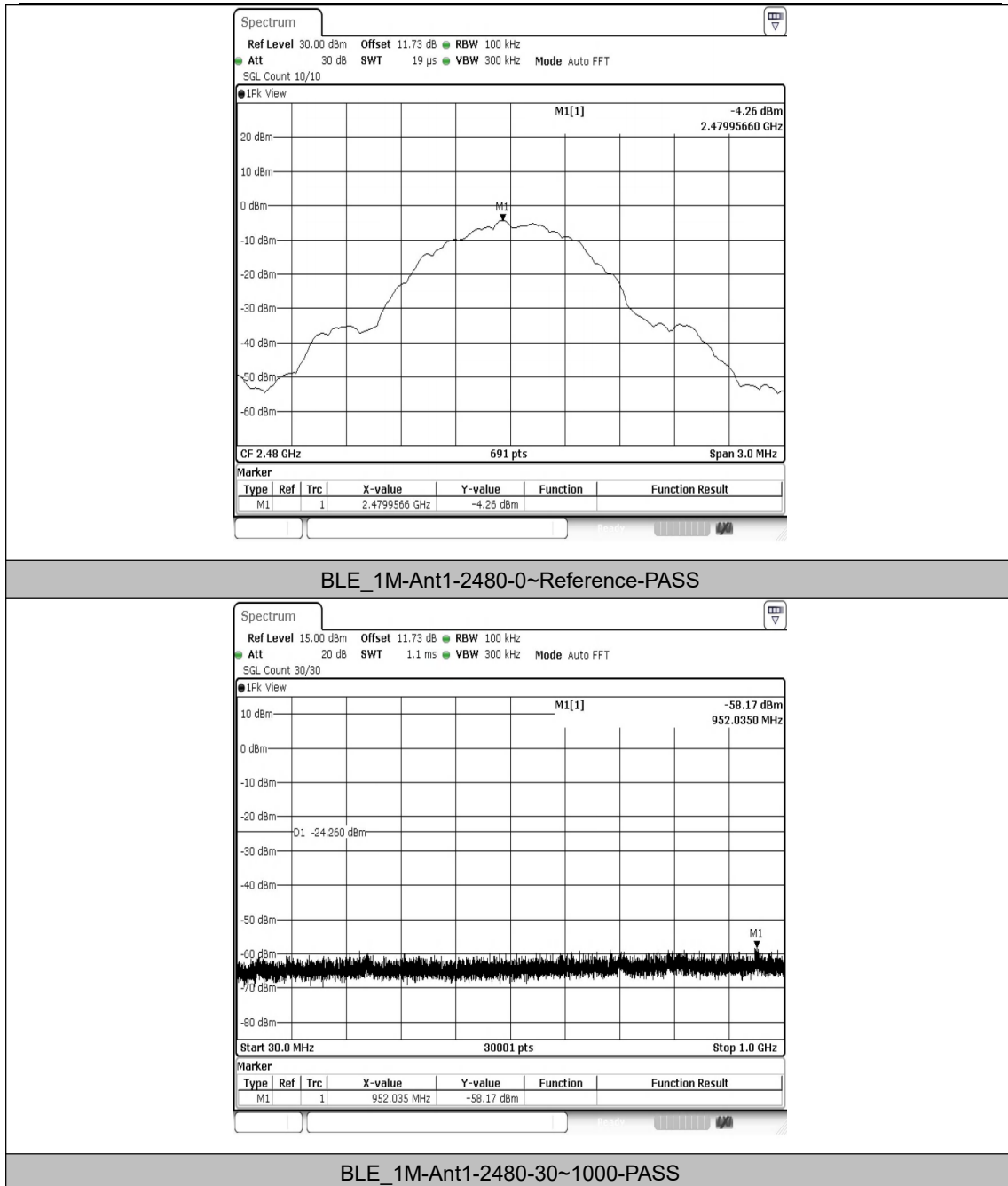


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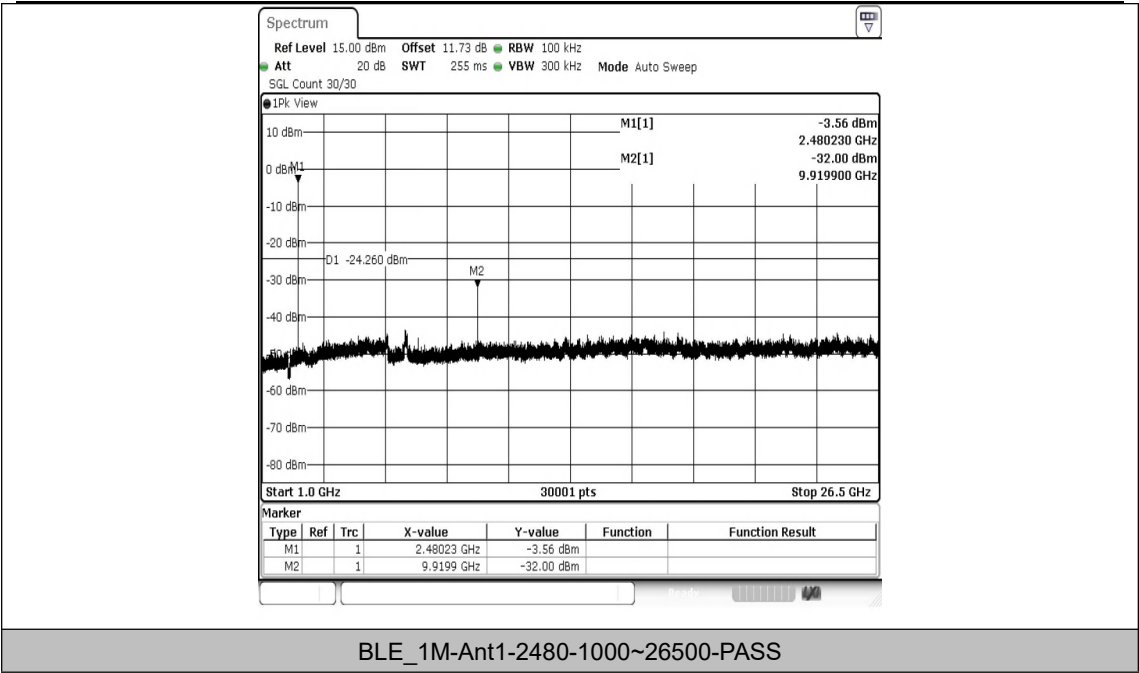
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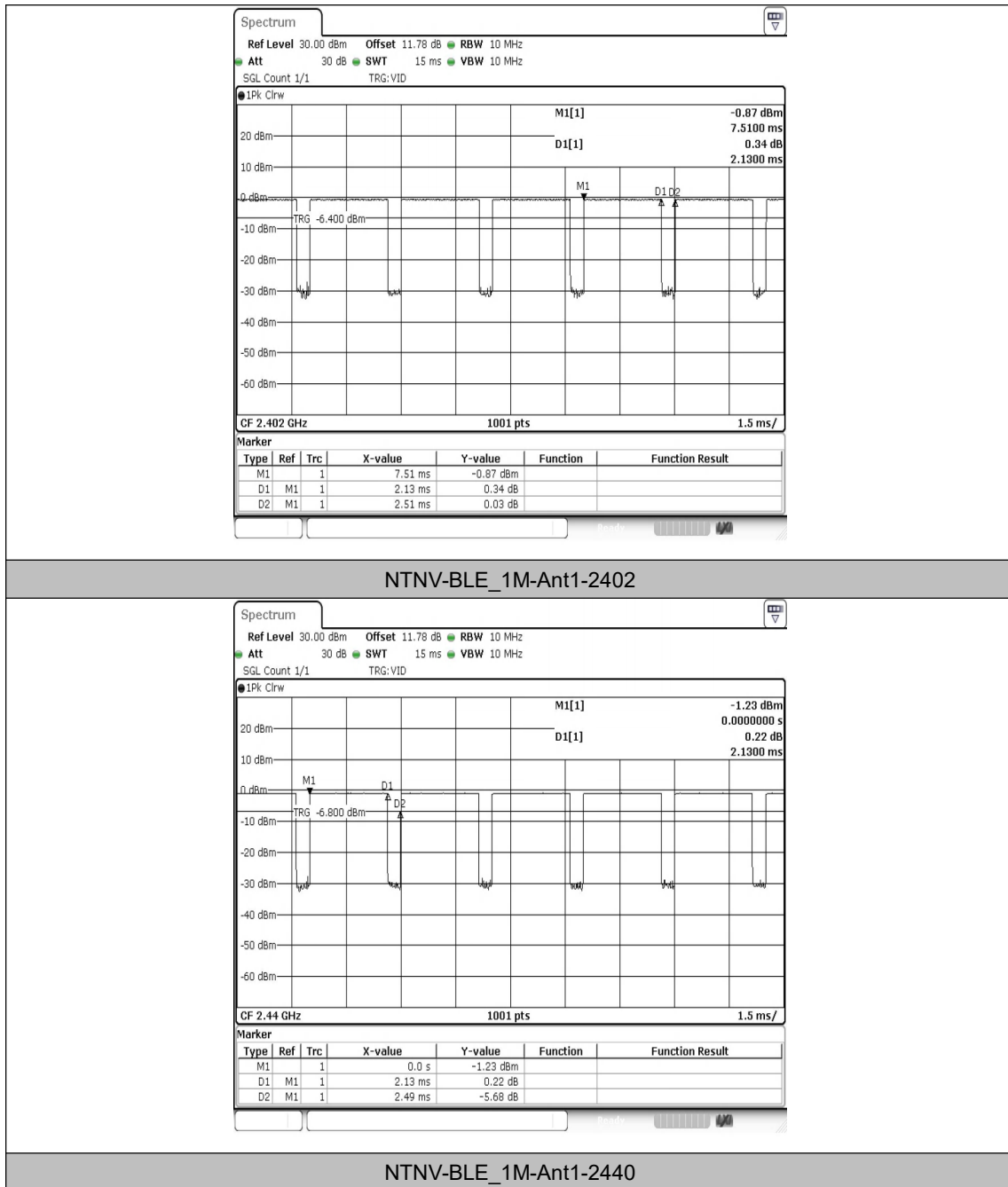
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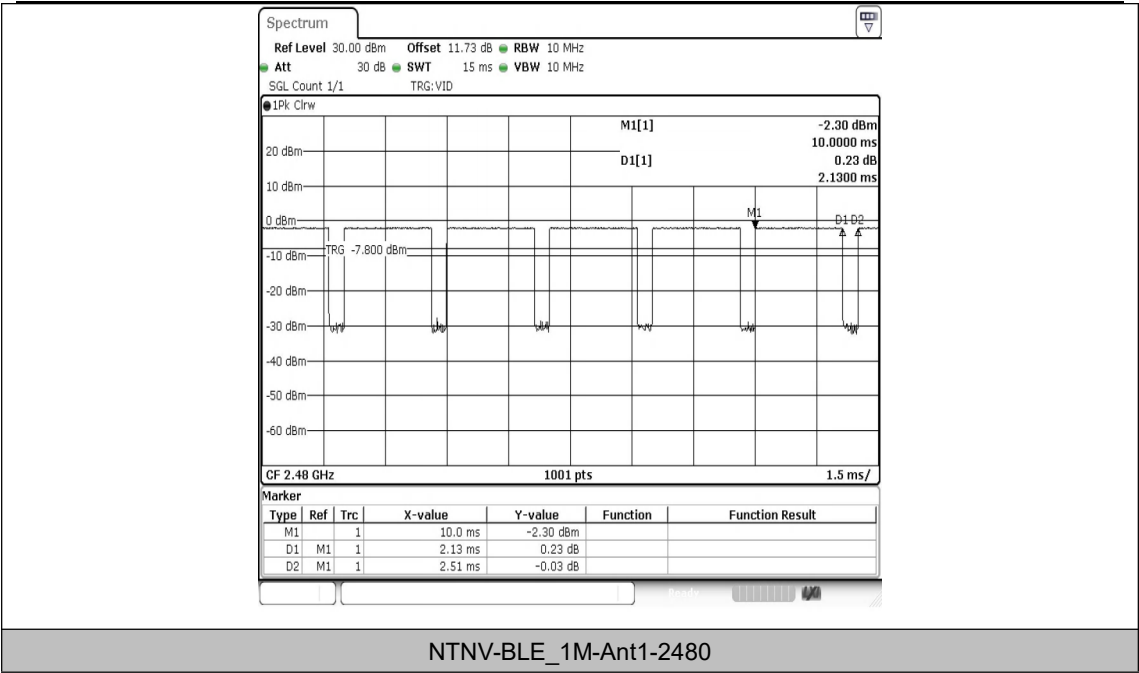
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.51	84.86	0.71
BLE_1M	Ant1	2440	2.13	2.49	85.54	0.68
BLE_1M	Ant1	2480	2.13	2.51	84.86	0.71

Test Graphs





---End---