

Appendix Test Data

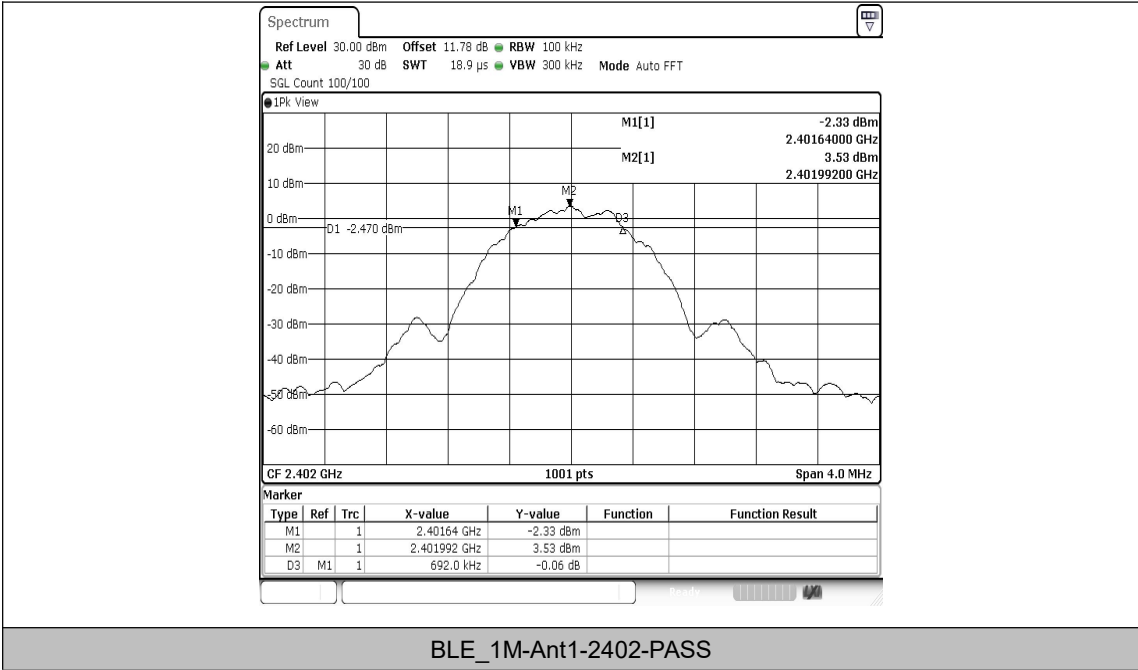
Report No.:	1812C40178312501	Test Sample No.:	1-2-2
Start Test Date:	2024.12.16	Finish Test Date:	2024.12.17
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	22.6°C	Relative Humidity:	52%
Pressure:	101kPa		

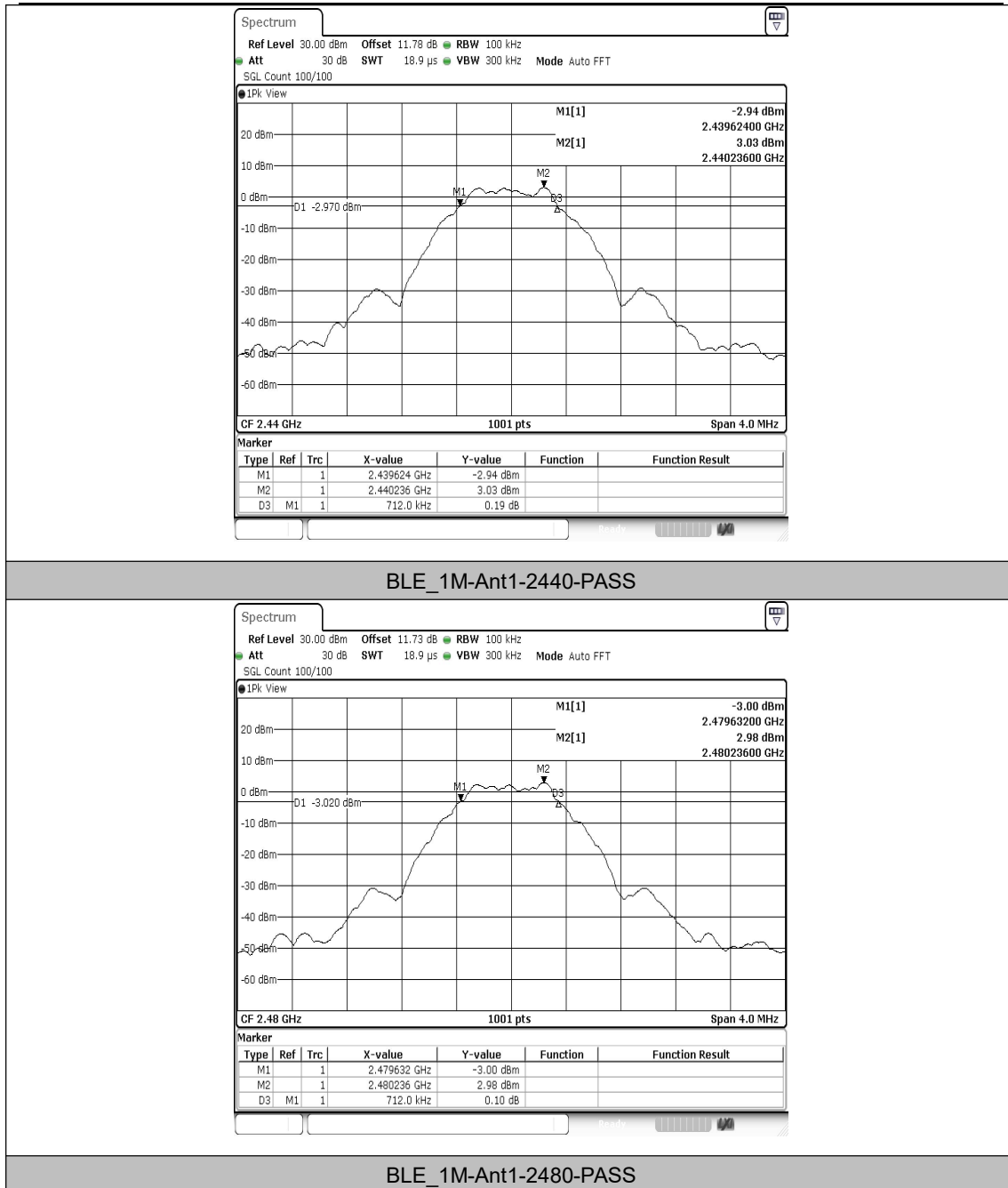
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.69	2401.64	2402.33	0.5	PASS
BLE_1M	Ant1	2440	0.71	2439.62	2440.34	0.5	PASS
BLE_1M	Ant1	2480	0.71	2479.63	2480.34	0.5	PASS

Test Graphs



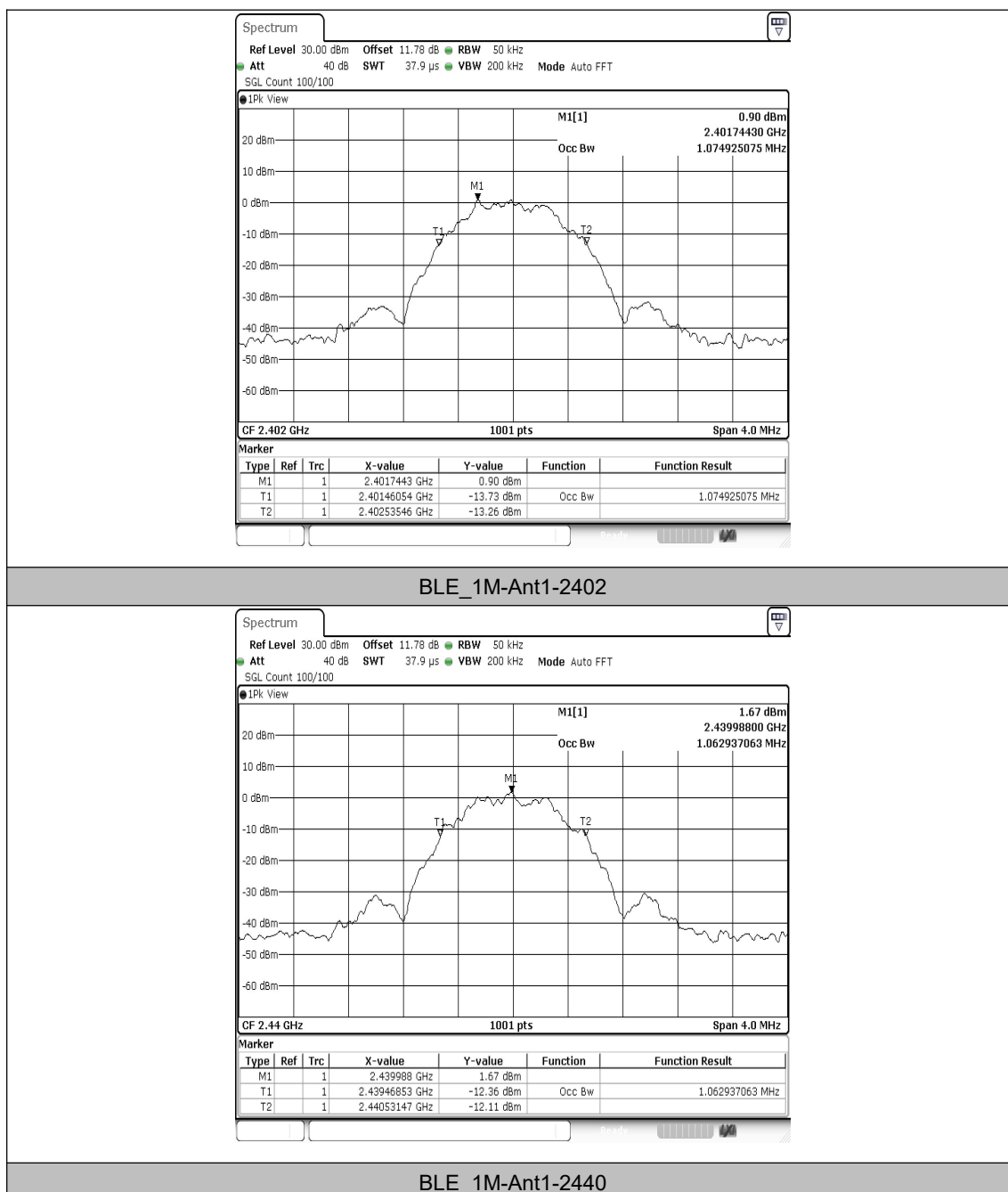


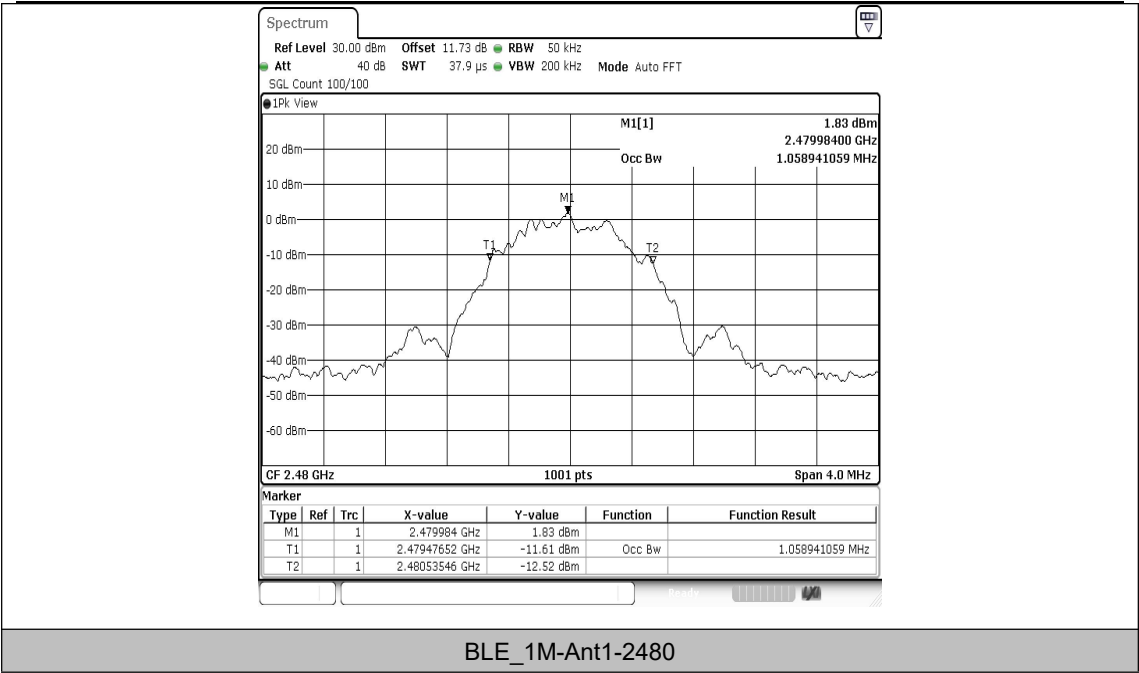
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.075	2401.4605	2402.5355	---	---
BLE_1M	Ant1	2440	1.063	2439.4685	2440.5315	---	---
BLE_1M	Ant1	2480	1.059	2479.4765	2480.5355	---	---

Test Graphs





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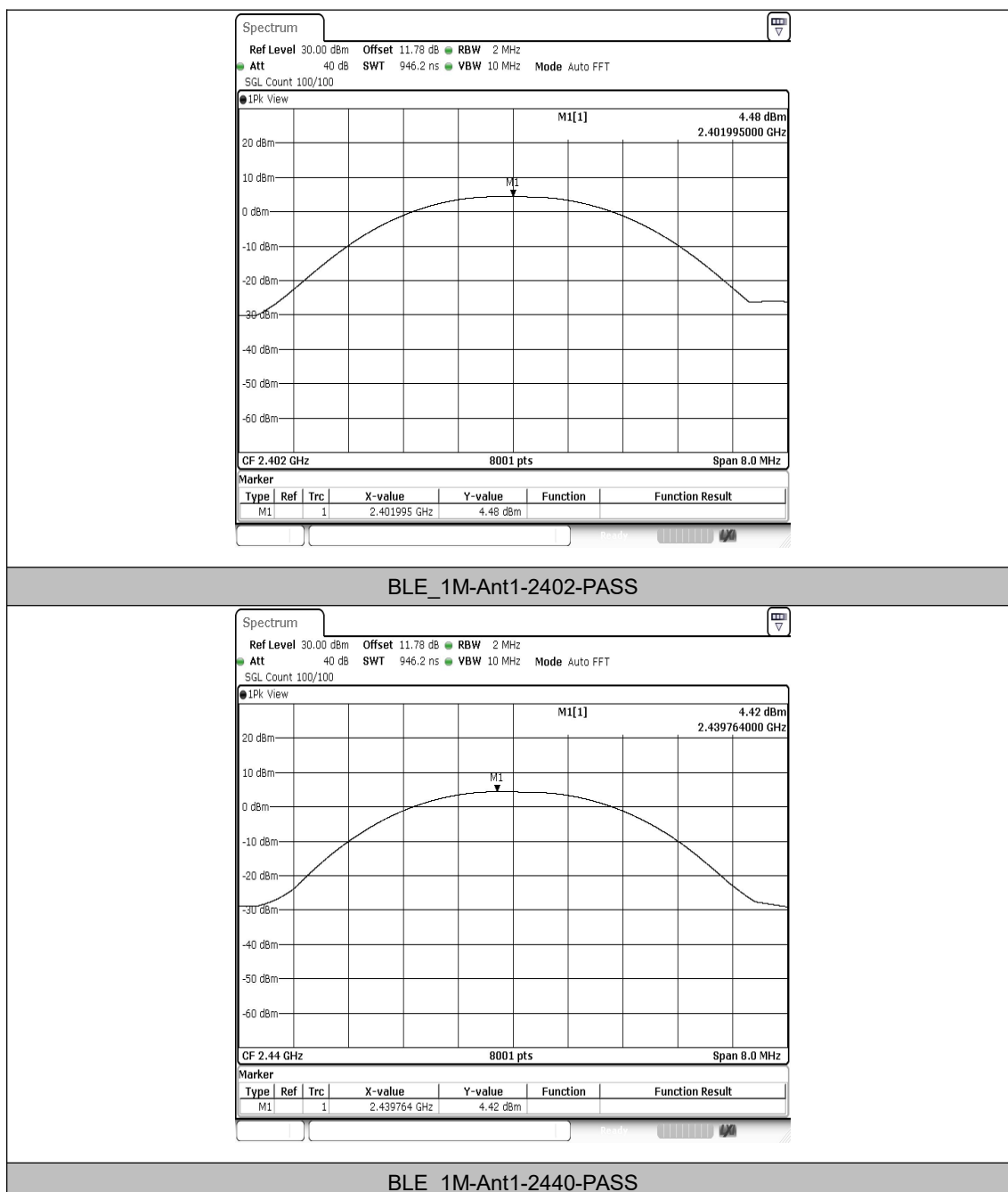
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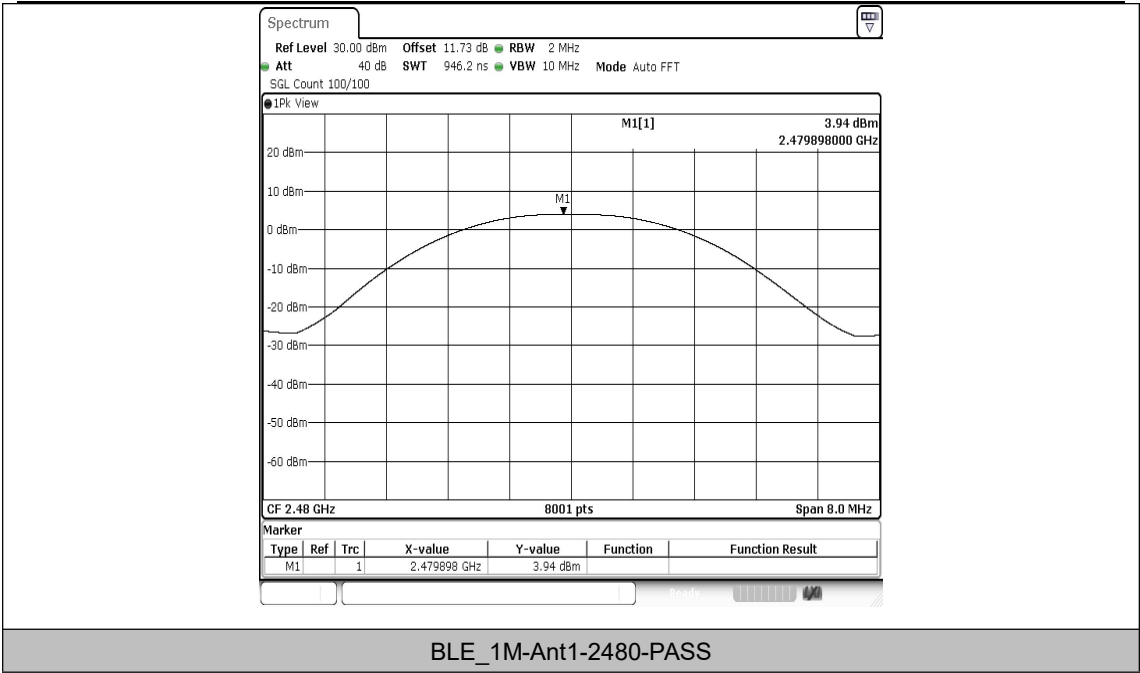
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	4.48	≤30	PASS
BLE_1M	Ant1	2440	4.42	≤30	PASS
BLE_1M	Ant1	2480	3.94	≤30	PASS

Test Graphs Peak





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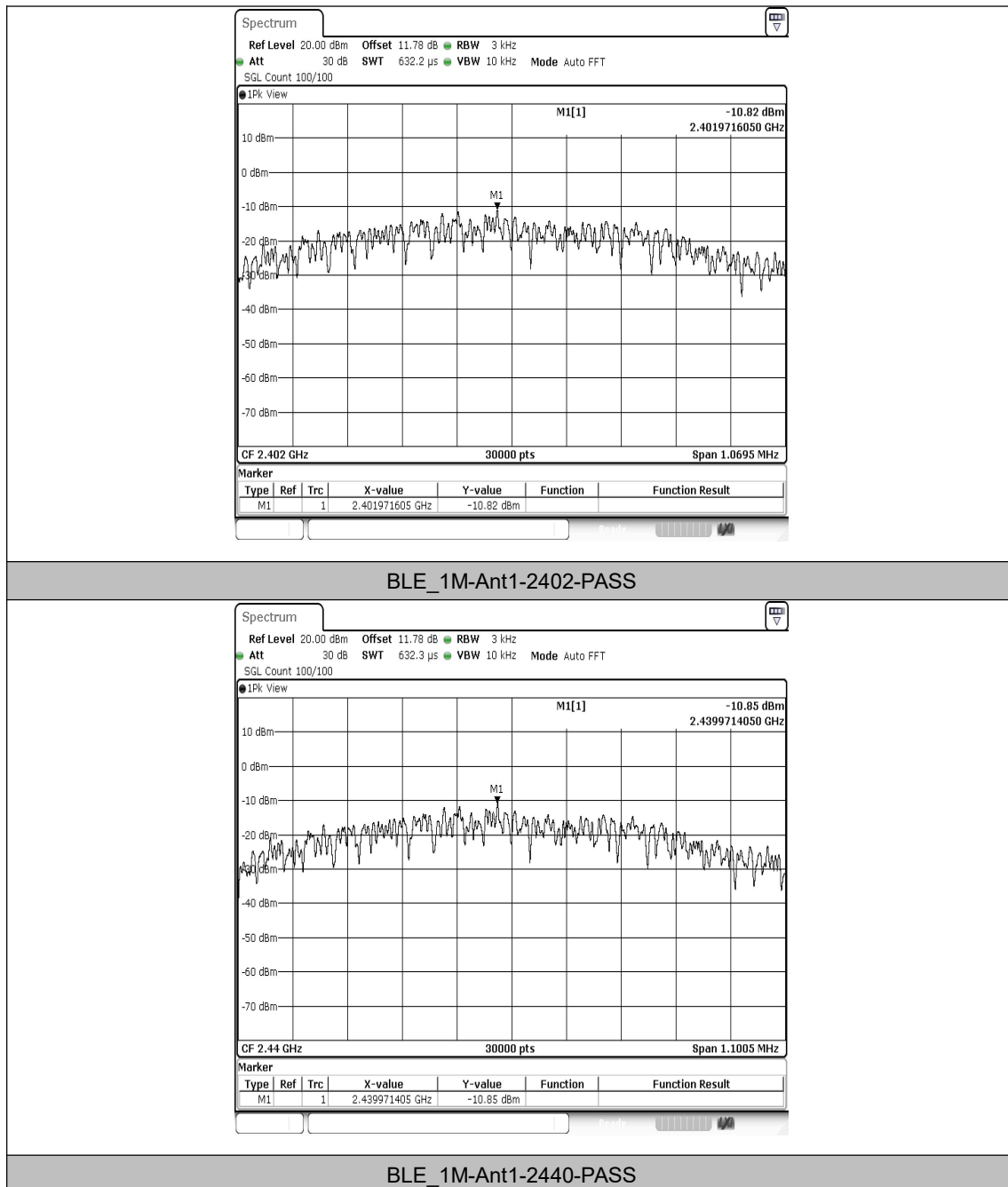
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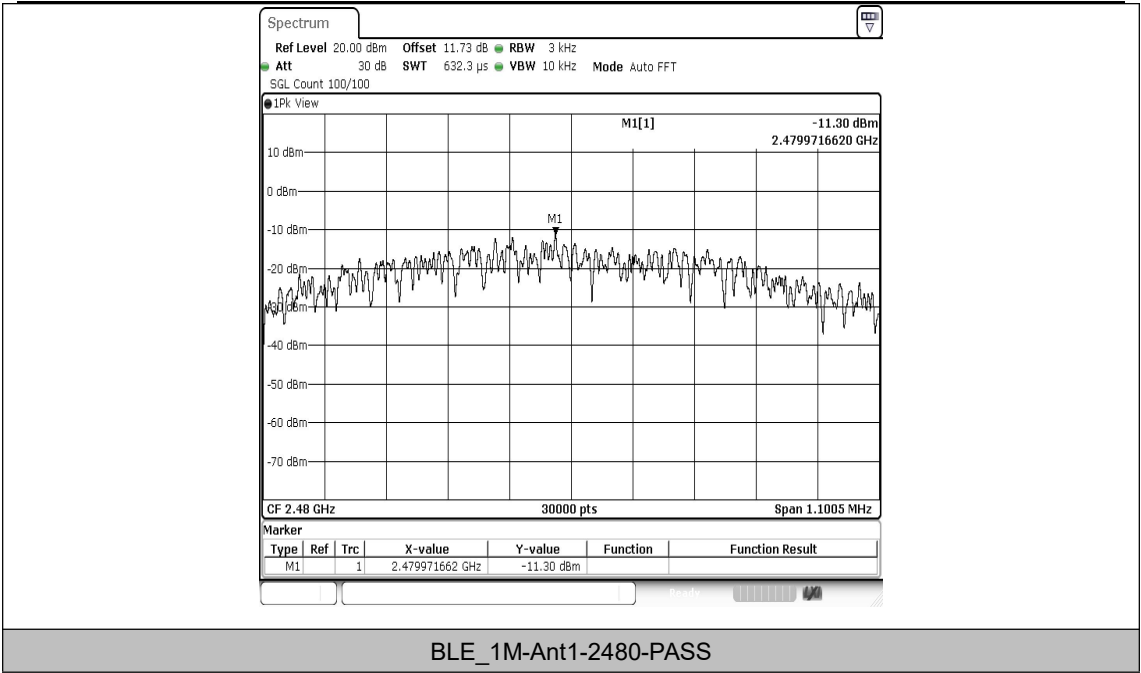
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-10.82	≤8.00	PASS
BLE_1M	Ant1	2440	-10.85	≤8.00	PASS
BLE_1M	Ant1	2480	-11.30	≤8.00	PASS

Test Graphs





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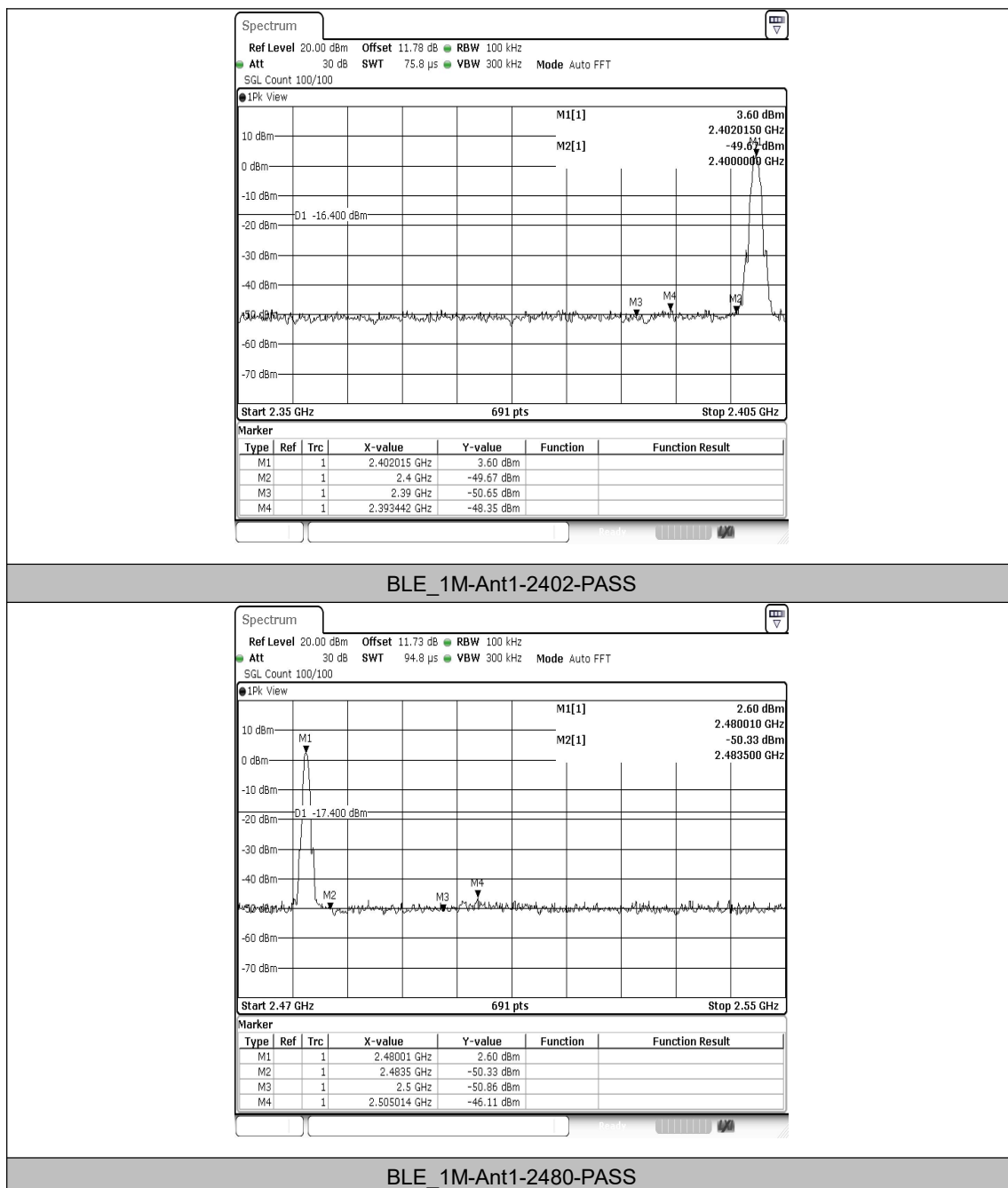
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	3.60	-48.35	≤-16.4	PASS
BLE_1M	Ant1	High	2480	2.60	-46.11	≤-17.4	PASS

Test Graphs

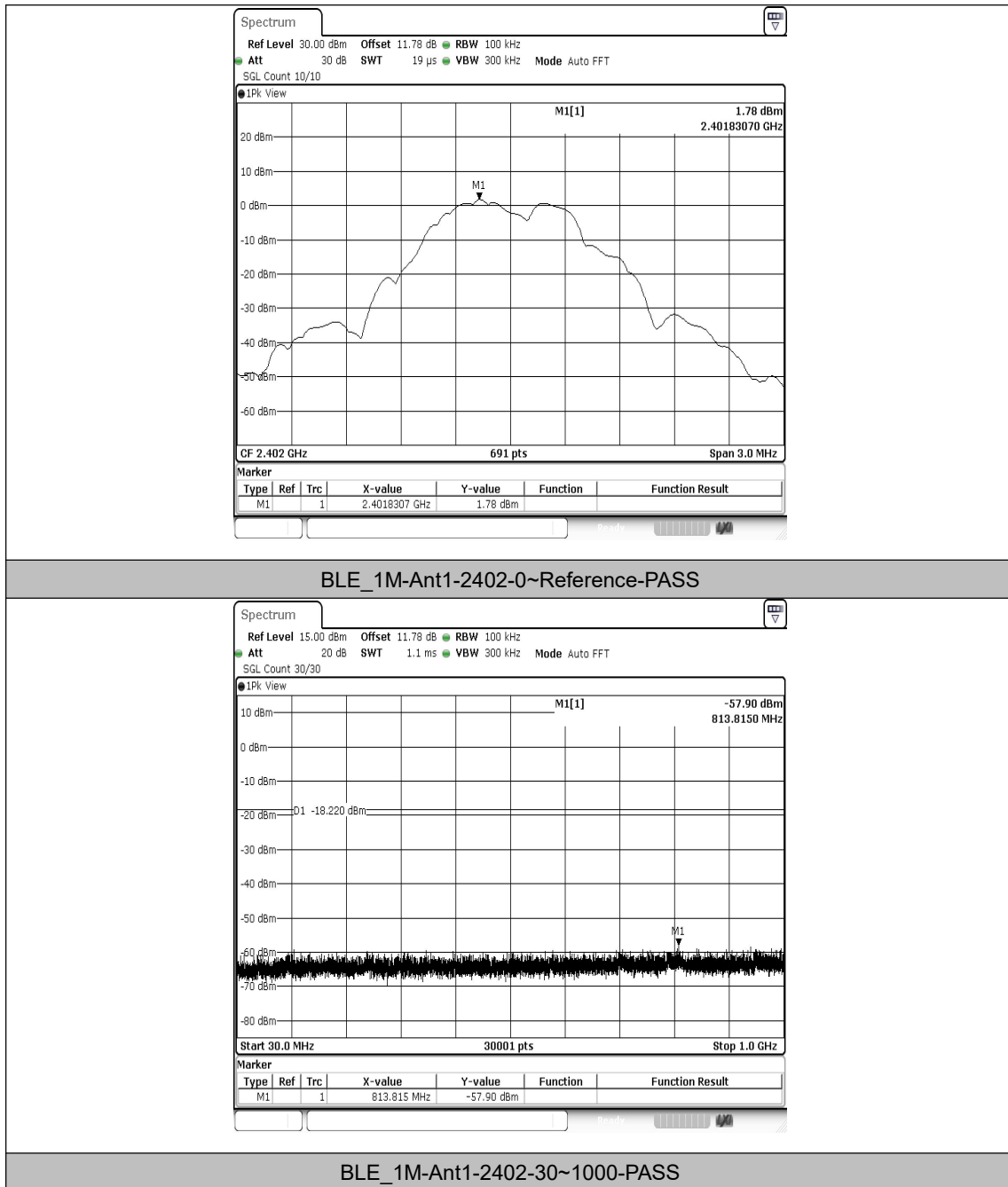


Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	1.78	1.78	---	PASS
BLE_1M	Ant1	2402	30~1000	1.78	-57.9	≤-18.22	PASS
BLE_1M	Ant1	2402	1000~26500	1.78	-43.24	≤-18.22	PASS
BLE_1M	Ant1	2440	0~Reference	1.19	1.19	---	PASS
BLE_1M	Ant1	2440	30~1000	1.19	-57.36	≤-18.81	PASS
BLE_1M	Ant1	2440	1000~26500	1.19	-43.57	≤-18.81	PASS
BLE_1M	Ant1	2480	0~Reference	2.90	2.90	---	PASS
BLE_1M	Ant1	2480	30~1000	2.90	-57.36	≤-17.1	PASS
BLE_1M	Ant1	2480	1000~26500	2.90	-40.85	≤-17.1	PASS

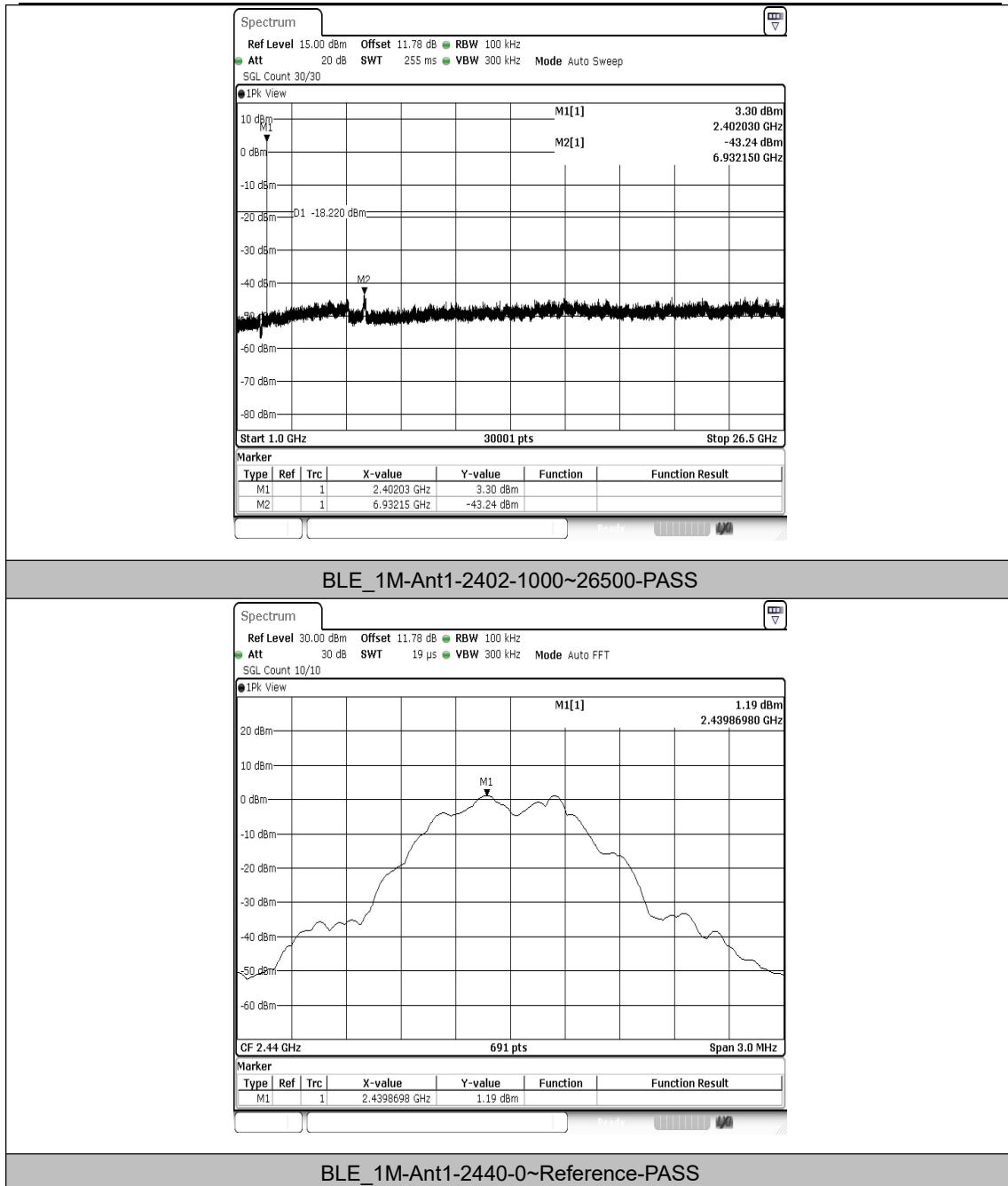
Test Graphs

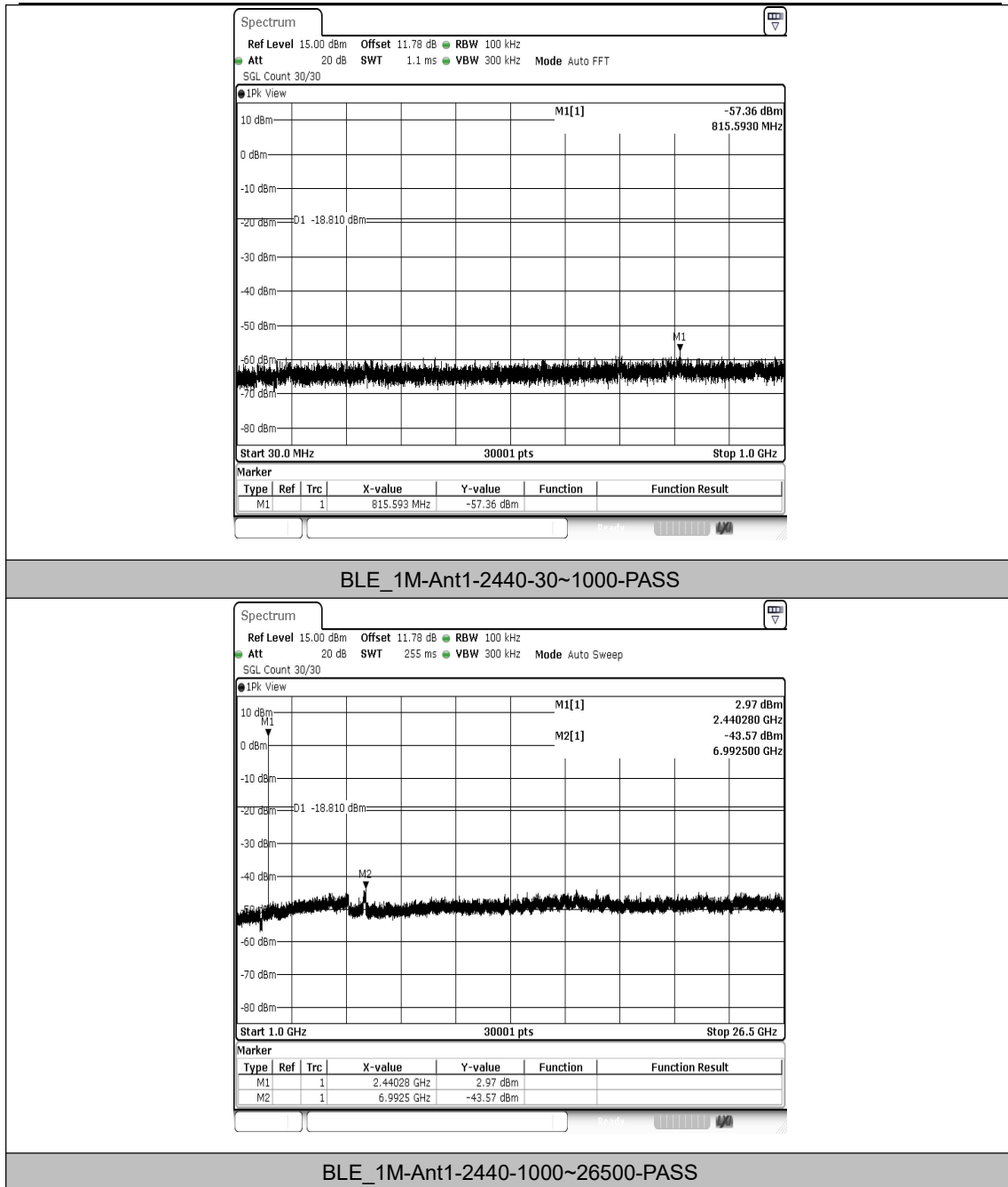


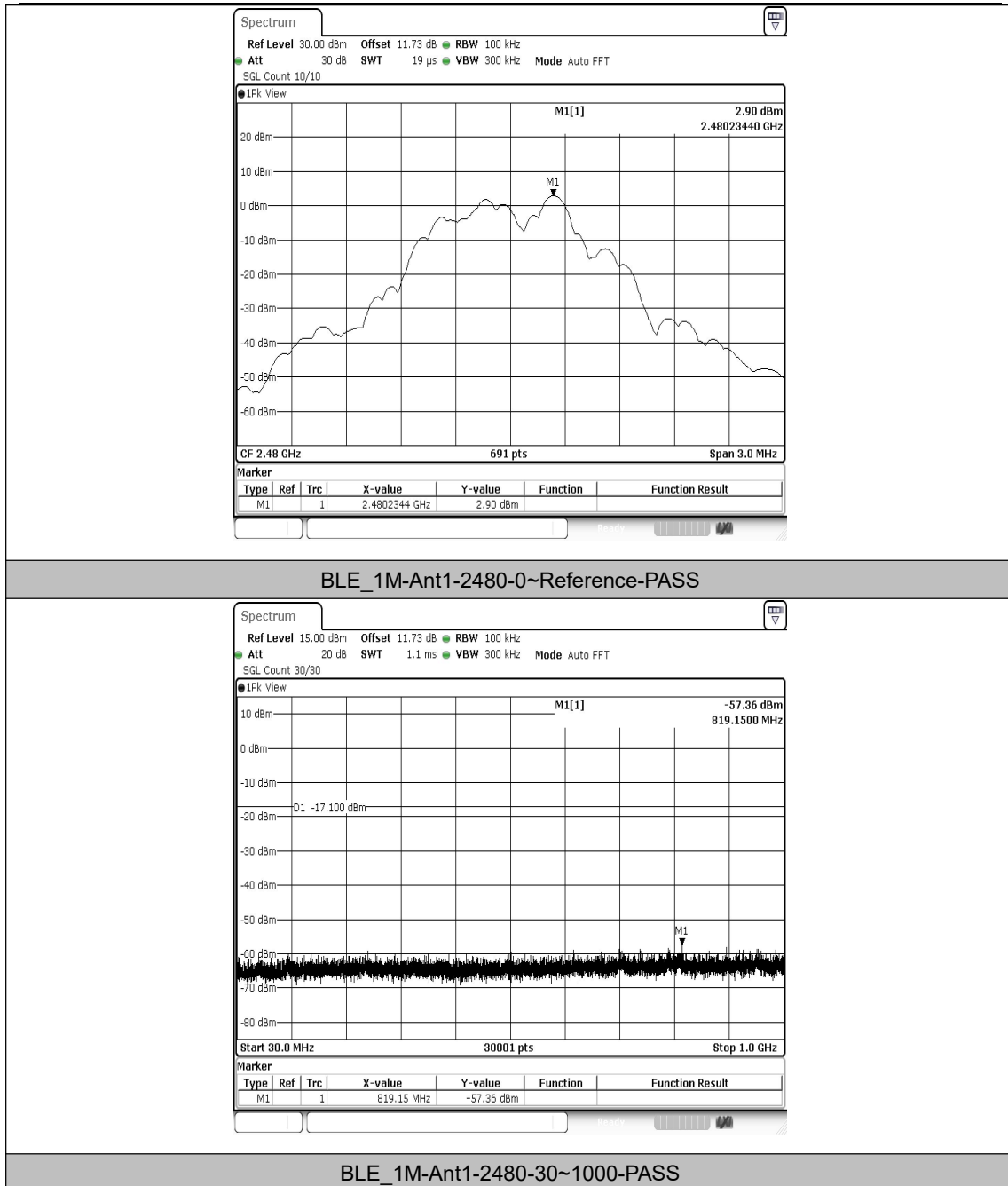
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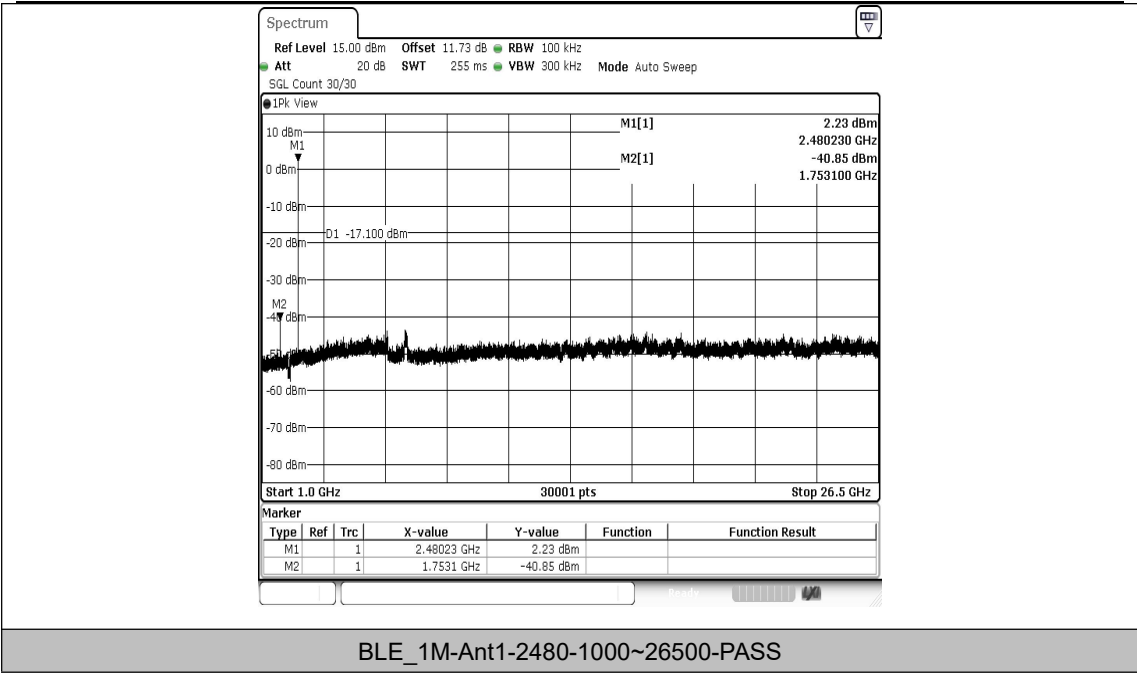
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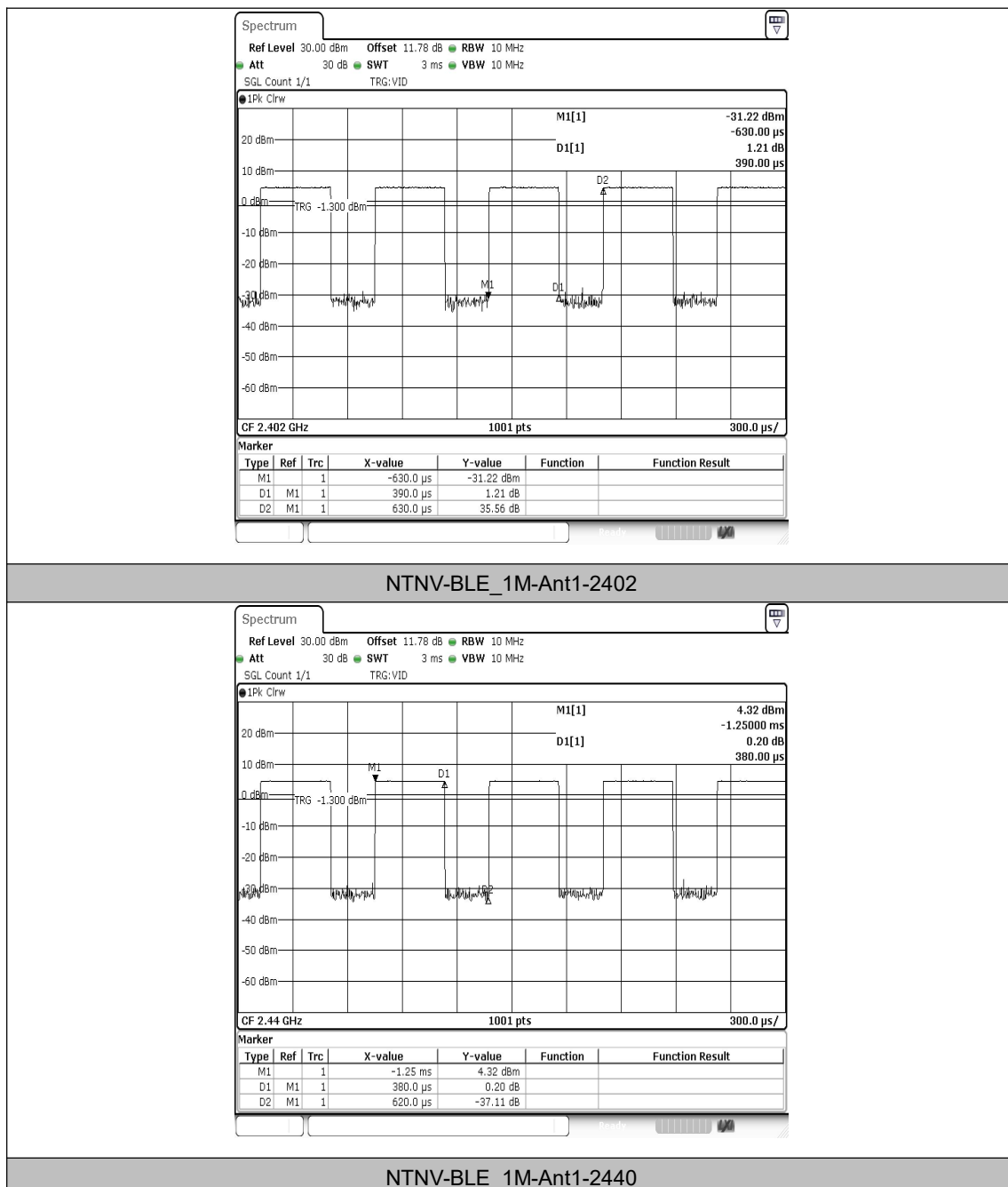
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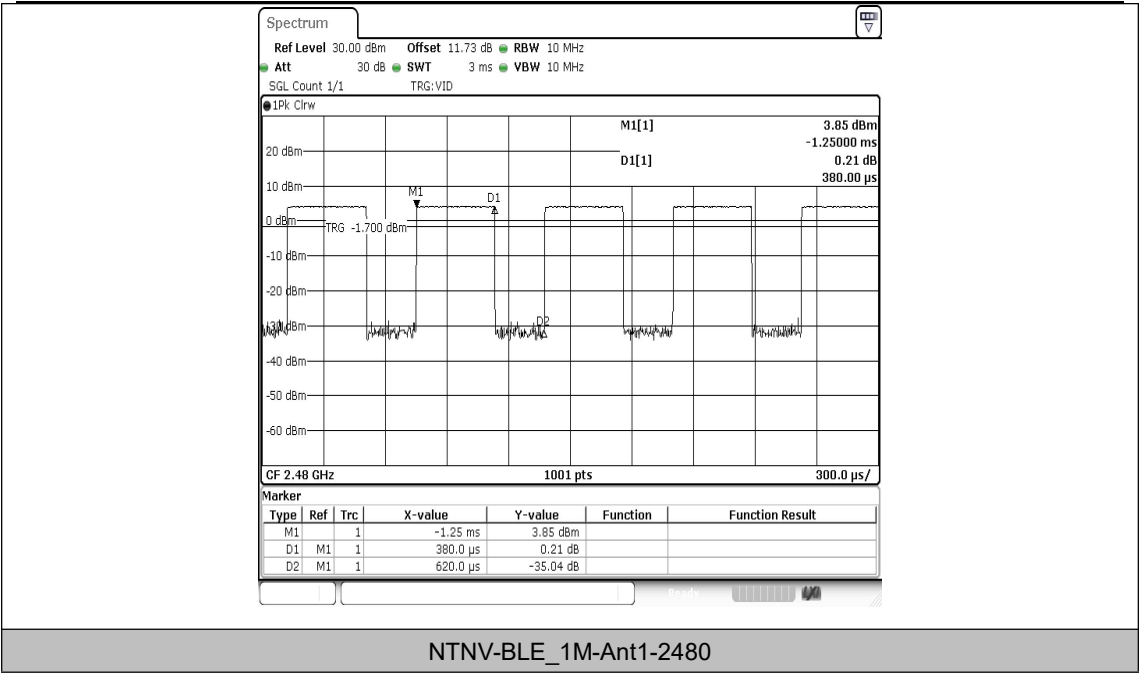
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.39	0.63	61.90	2.08
BLE_1M	Ant1	2440	0.38	0.62	61.29	2.13
BLE_1M	Ant1	2480	0.38	0.62	61.29	2.13

Test Graphs





---End---