

Appendix Test Data

Report No:	1812C40029212501	Test Sample NO:	1-2-2
Start Test Date:	2024.9.10	Finish Test Date:	2024.9.10
Test Engineer:	Joker Huang	Auditor:	Justin Feng
Temperature:	26.3°C	Relative Humidity:	45%
Pressure:	101 kPa		

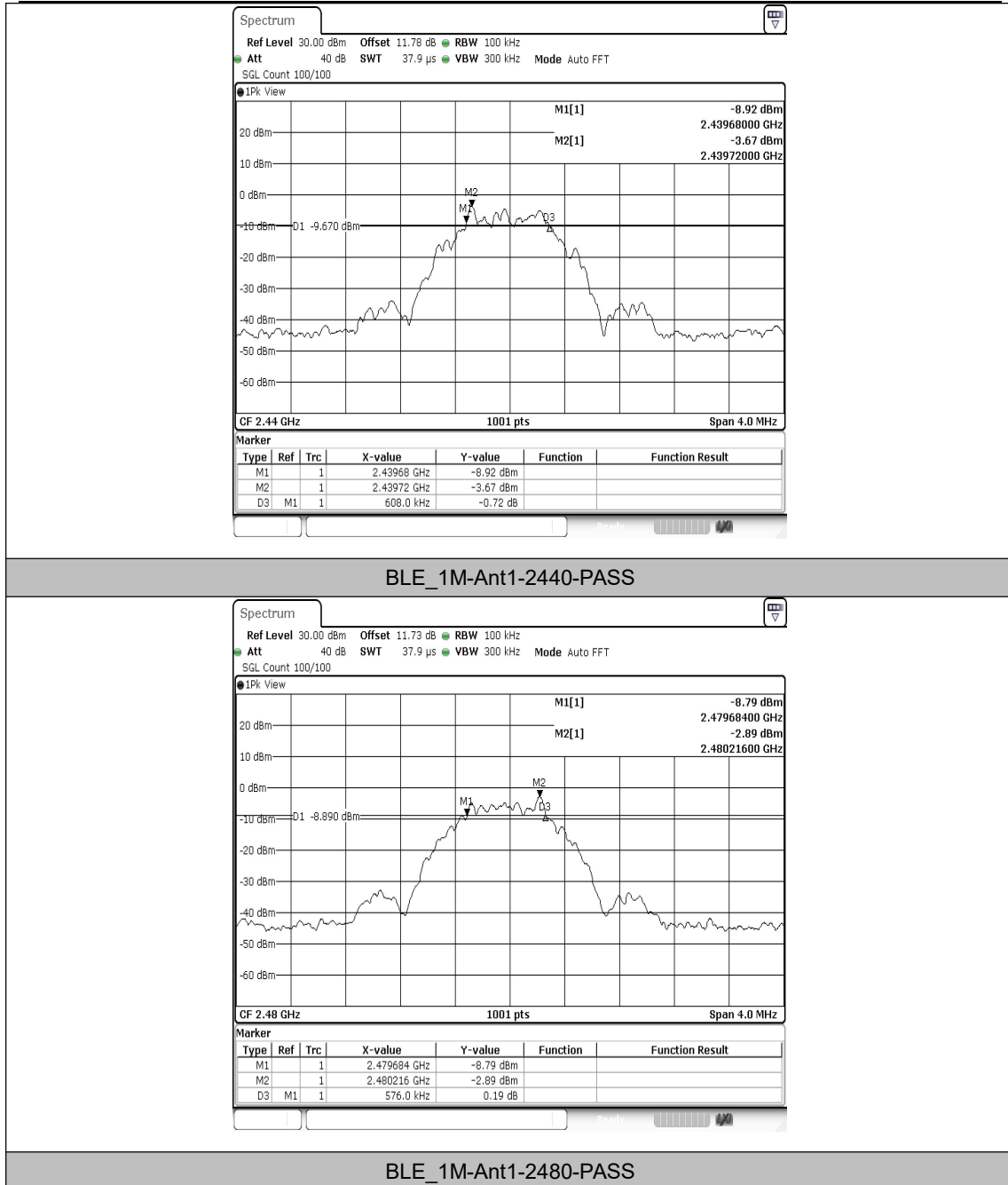
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.66	2401.63	2402.30	0.5	PASS
BLE_1M	Ant1	2440	0.61	2439.68	2440.29	0.5	PASS
BLE_1M	Ant1	2480	0.58	2479.68	2480.26	0.5	PASS

Test Graphs



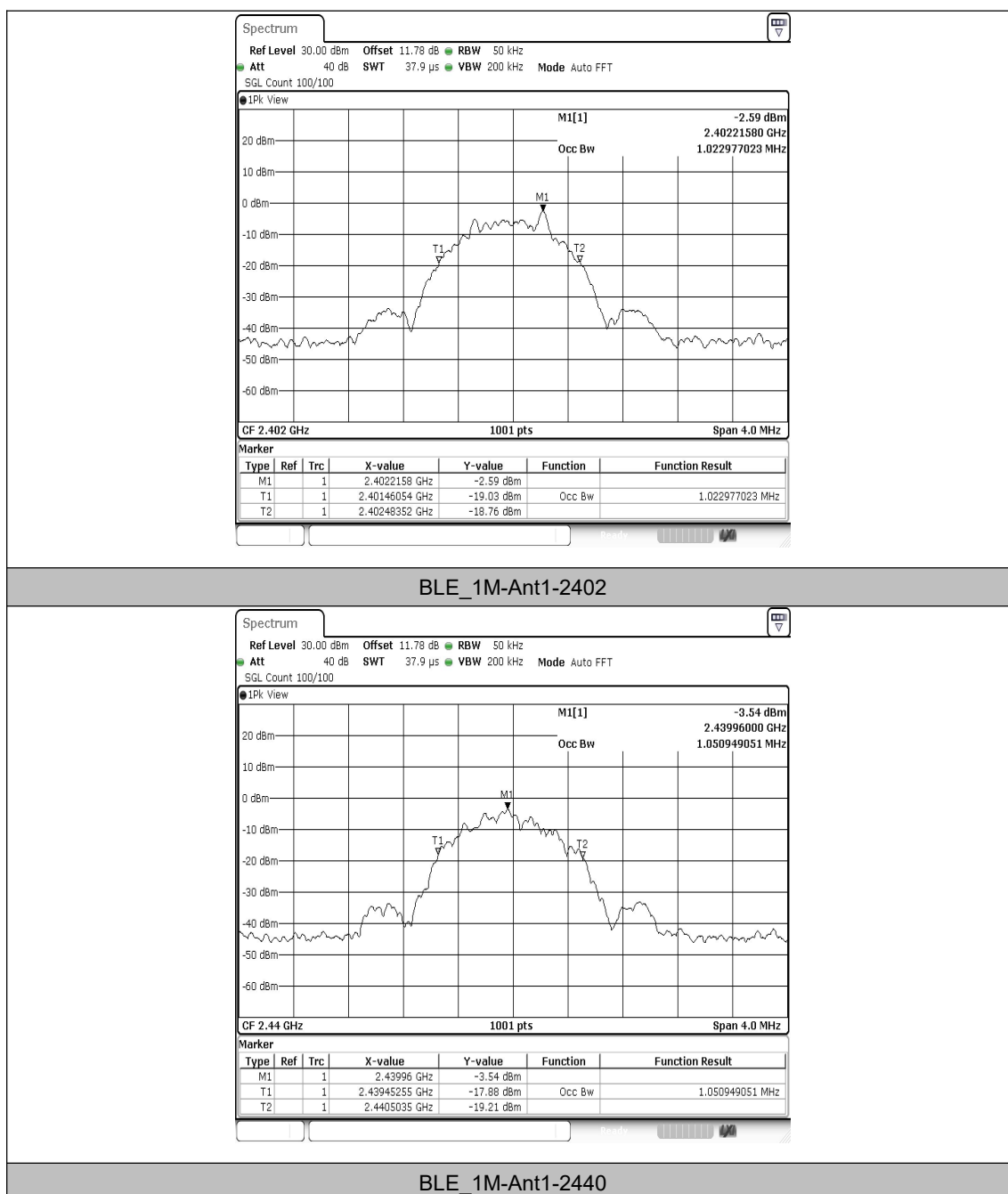


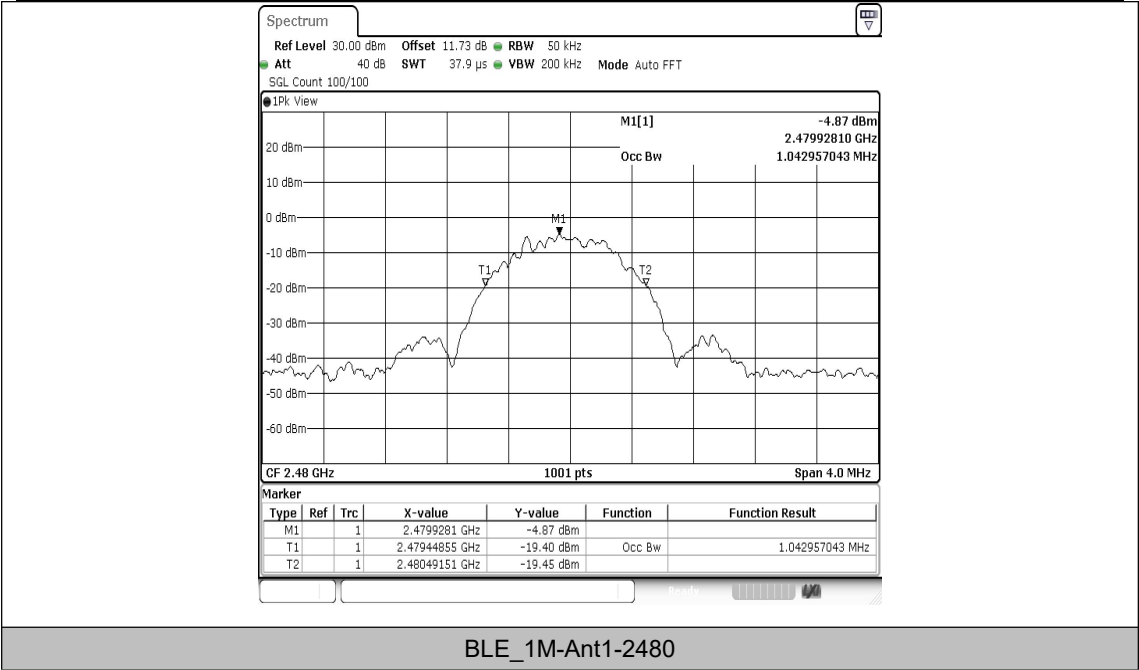
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.023	2401.4605	2402.4835	---	---
BLE_1M	Ant1	2440	1.051	2439.4525	2440.5035	---	---
BLE_1M	Ant1	2480	1.043	2479.4486	2480.4915	---	---

Test Graphs





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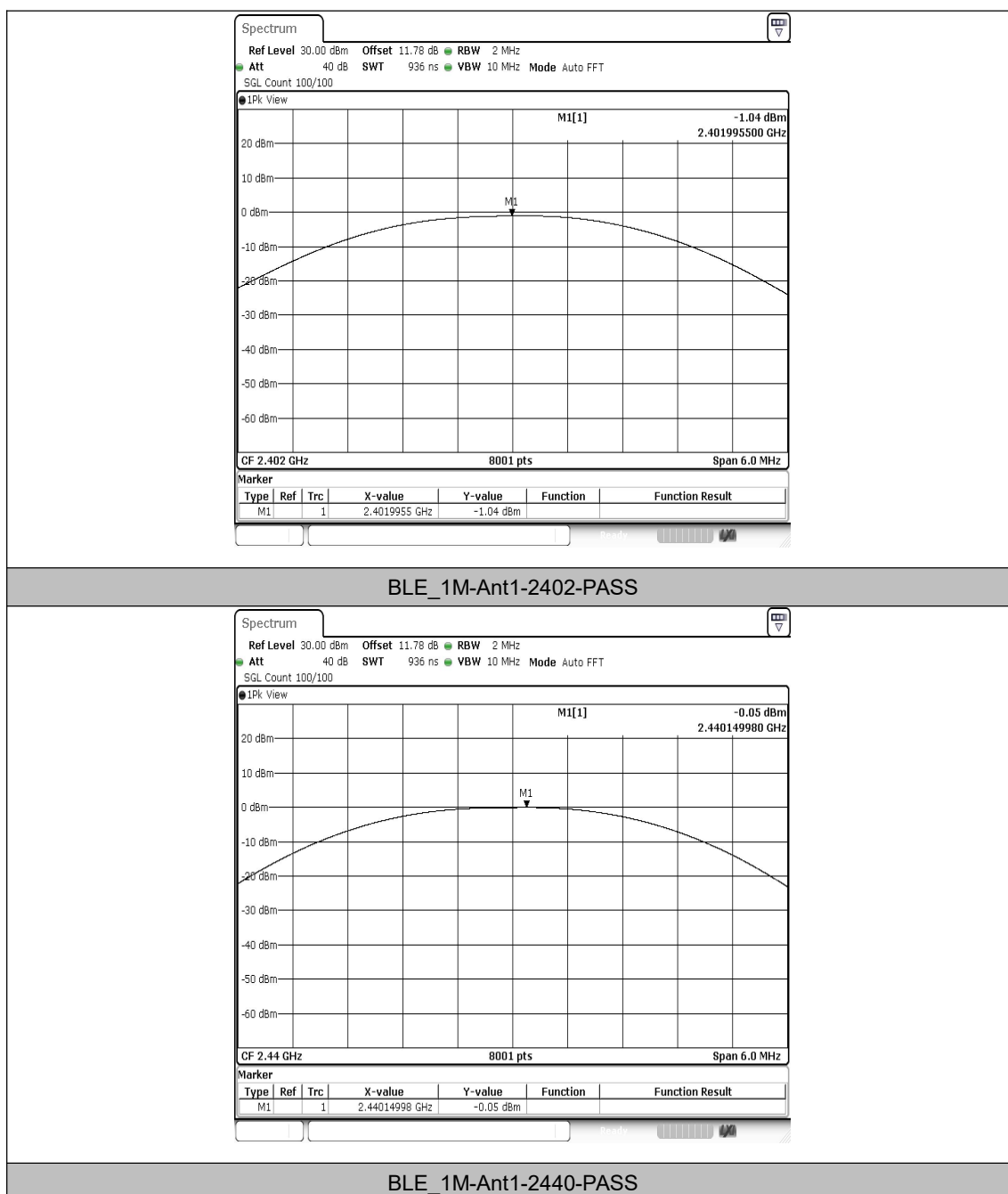


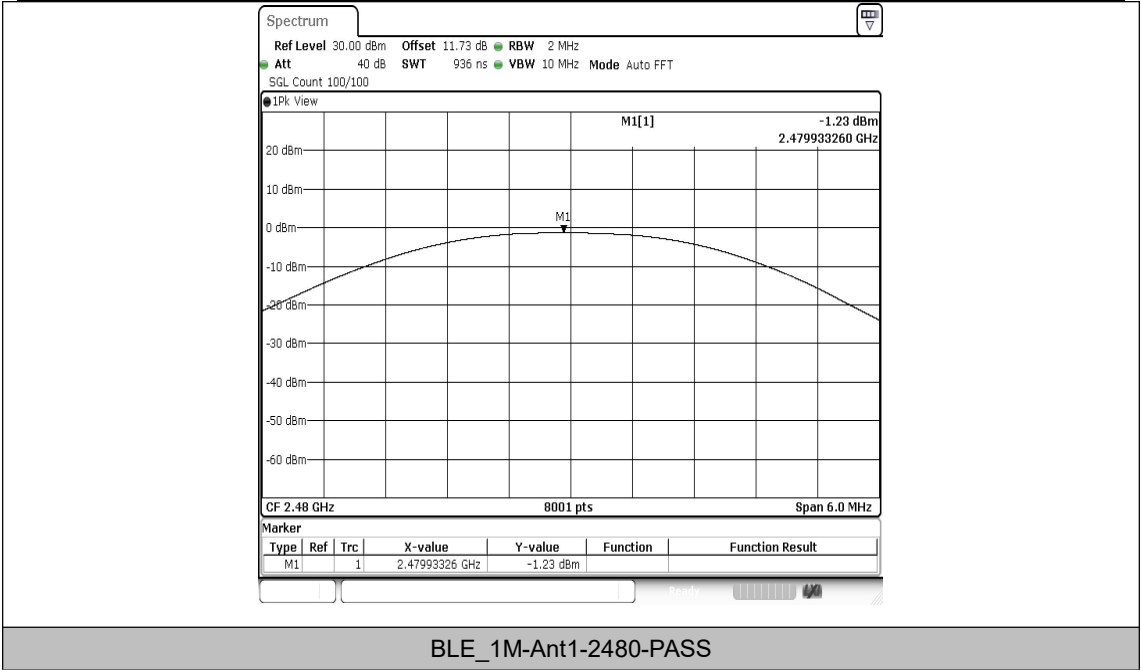
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.04	≤30	PASS
BLE_1M	Ant1	2440	-0.05	≤30	PASS
BLE_1M	Ant1	2480	-1.23	≤30	PASS

Test Graphs Peak





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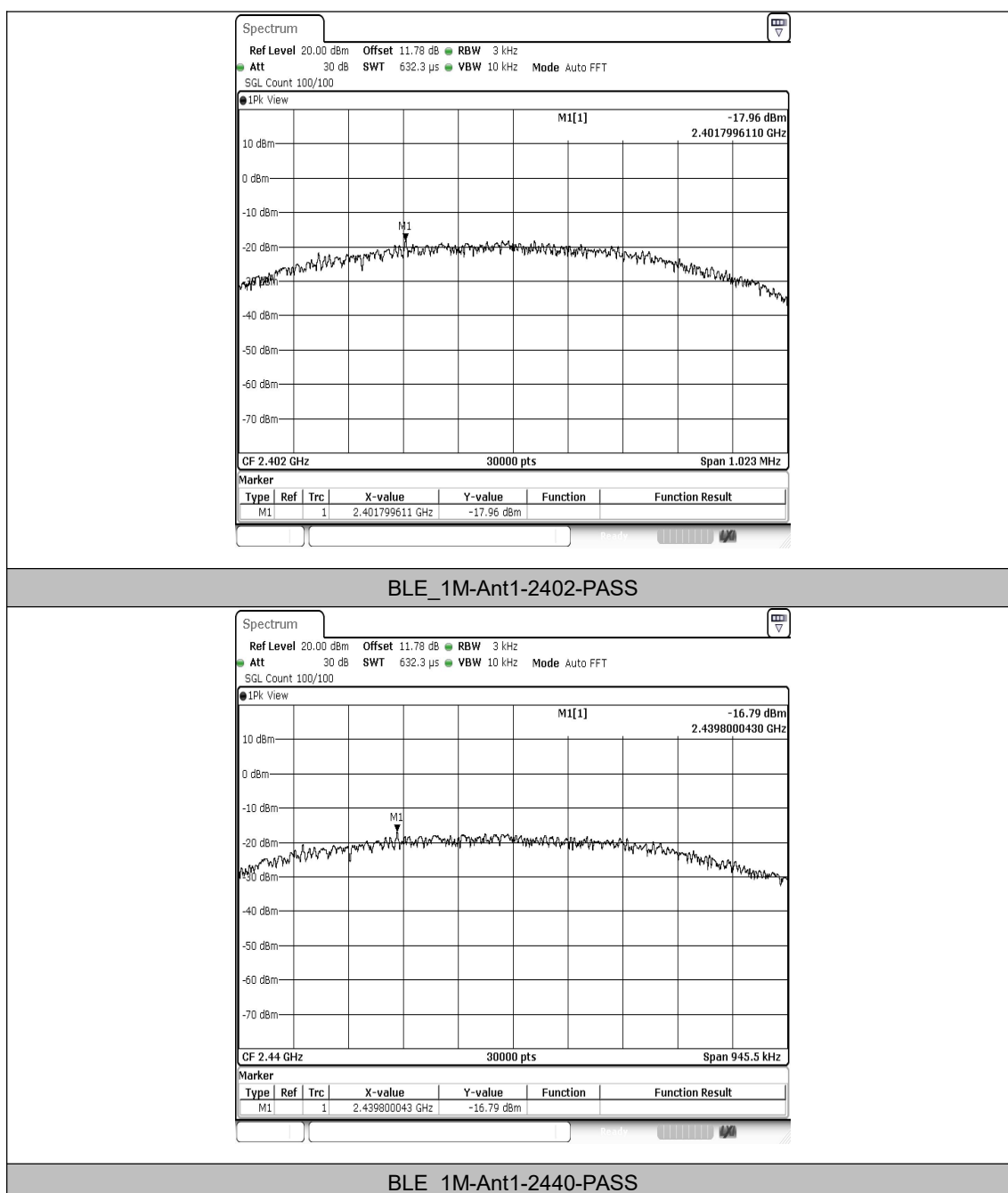


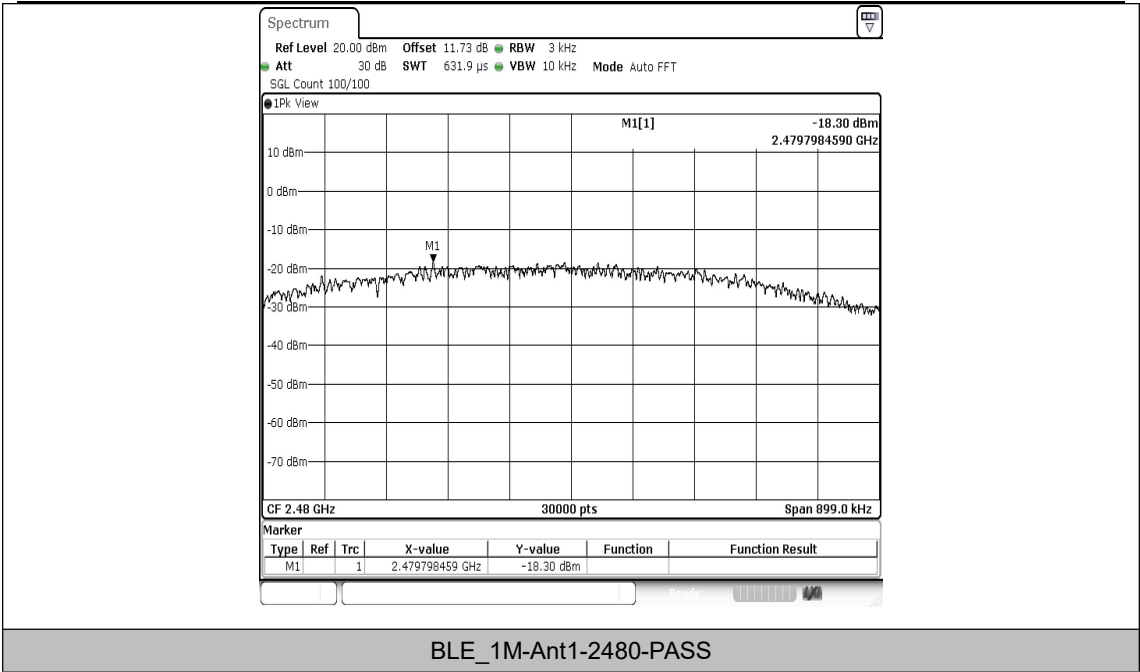
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-17.96	≤8.00	PASS
BLE_1M	Ant1	2440	-16.79	≤8.00	PASS
BLE_1M	Ant1	2480	-18.30	≤8.00	PASS

Test Graphs





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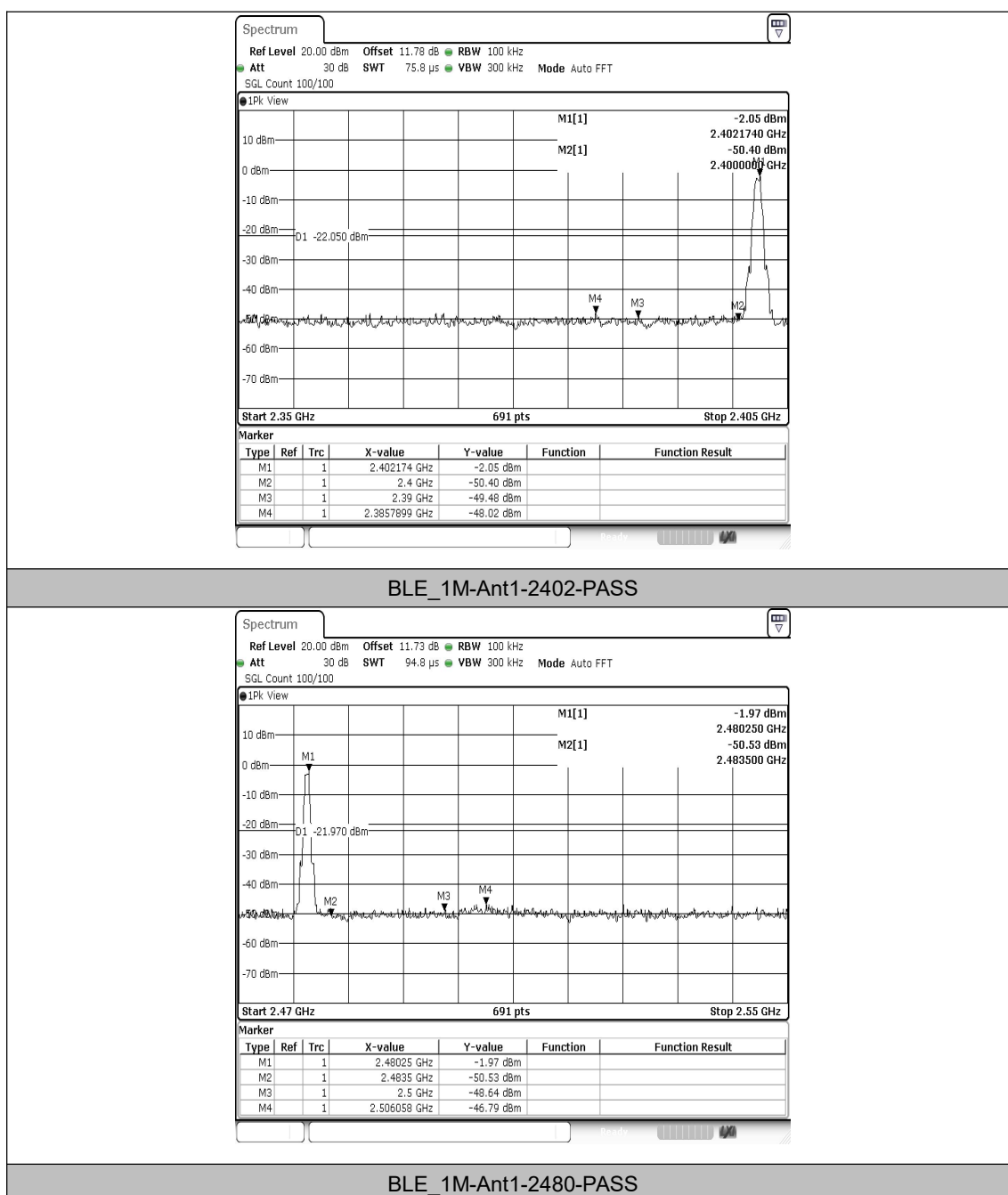


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.05	-48.02	≤-22.05	PASS
BLE_1M	Ant1	High	2480	-1.97	-46.79	≤-21.97	PASS

Test Graphs

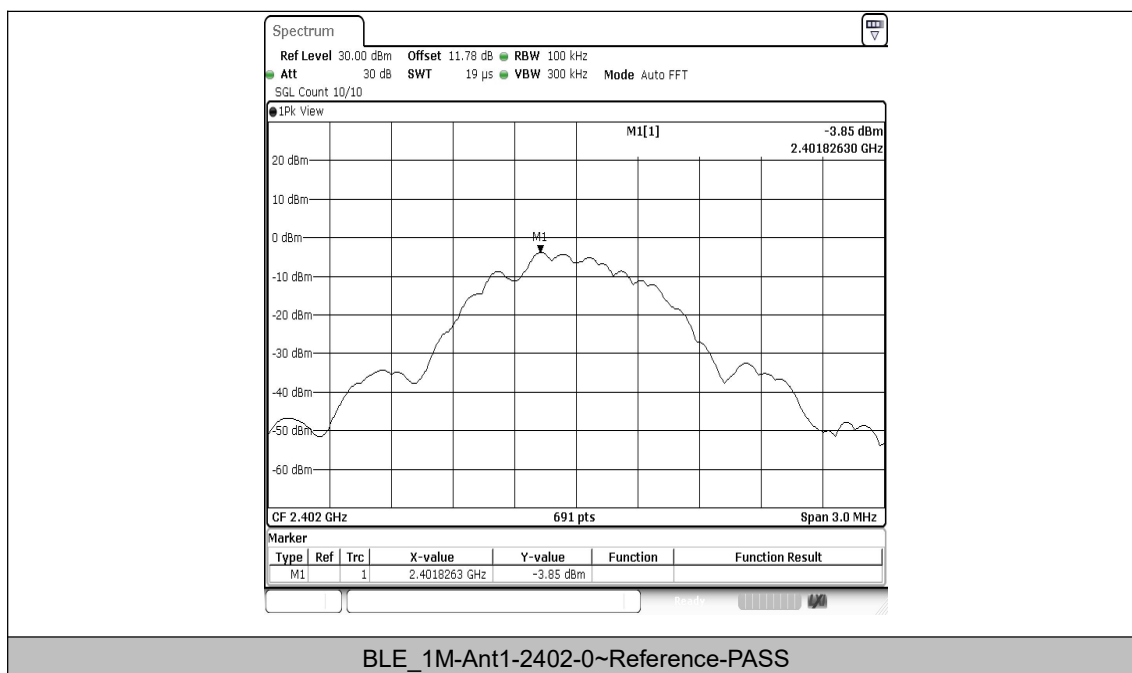


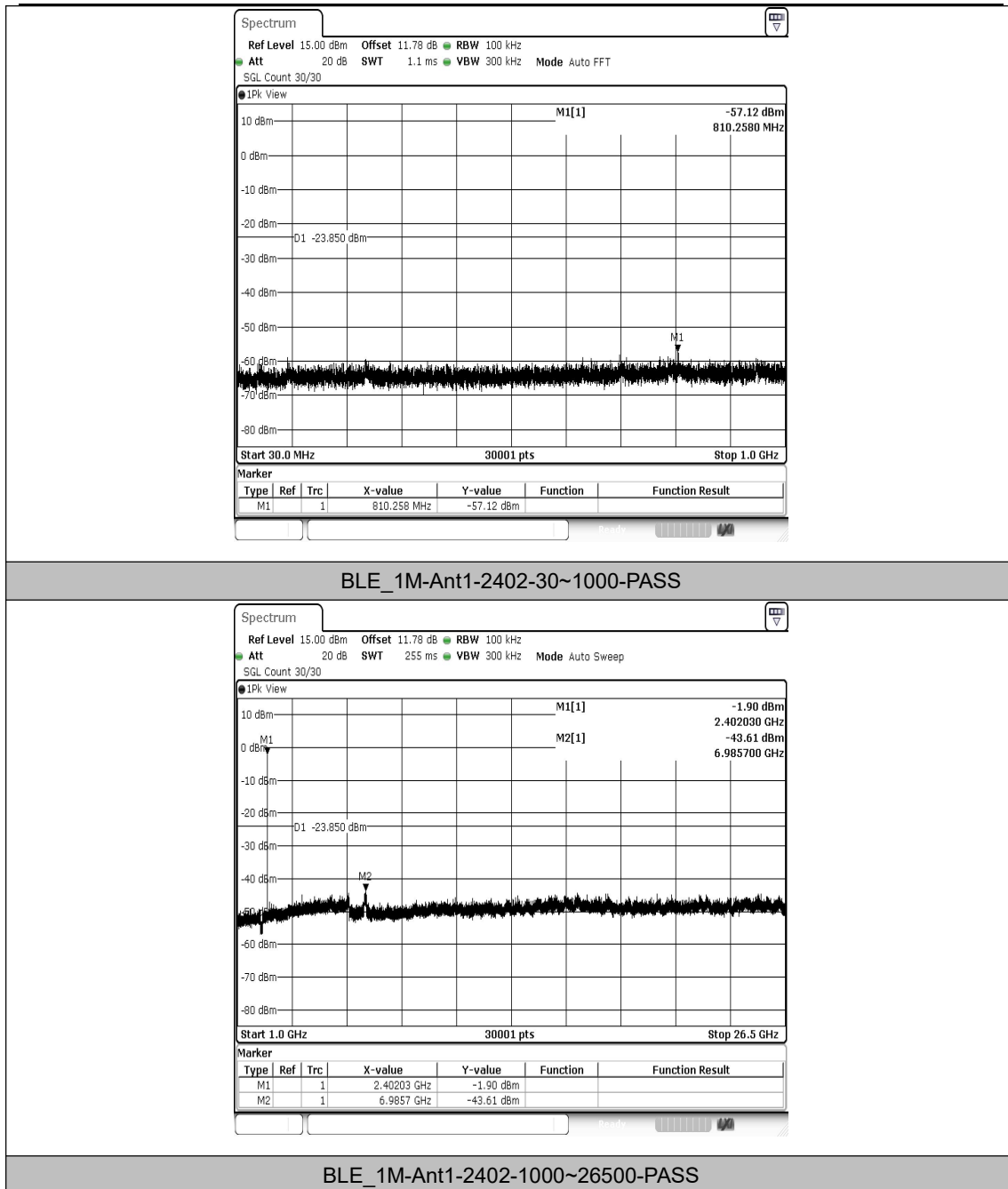
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-3.85	-3.85	---	PASS
BLE_1M	Ant1	2402	30~1000	-3.85	-57.12	≤-23.85	PASS
BLE_1M	Ant1	2402	1000~26500	-3.85	-43.61	≤-23.85	PASS
BLE_1M	Ant1	2440	0~Reference	-3.69	-3.69	---	PASS
BLE_1M	Ant1	2440	30~1000	-3.69	-57.15	≤-23.69	PASS
BLE_1M	Ant1	2440	1000~26500	-3.69	-43.57	≤-23.69	PASS
BLE_1M	Ant1	2480	0~Reference	-3.76	-3.76	---	PASS
BLE_1M	Ant1	2480	30~1000	-3.76	-57.65	≤-23.76	PASS
BLE_1M	Ant1	2480	1000~26500	-3.76	-44.28	≤-23.76	PASS

Test Graphs





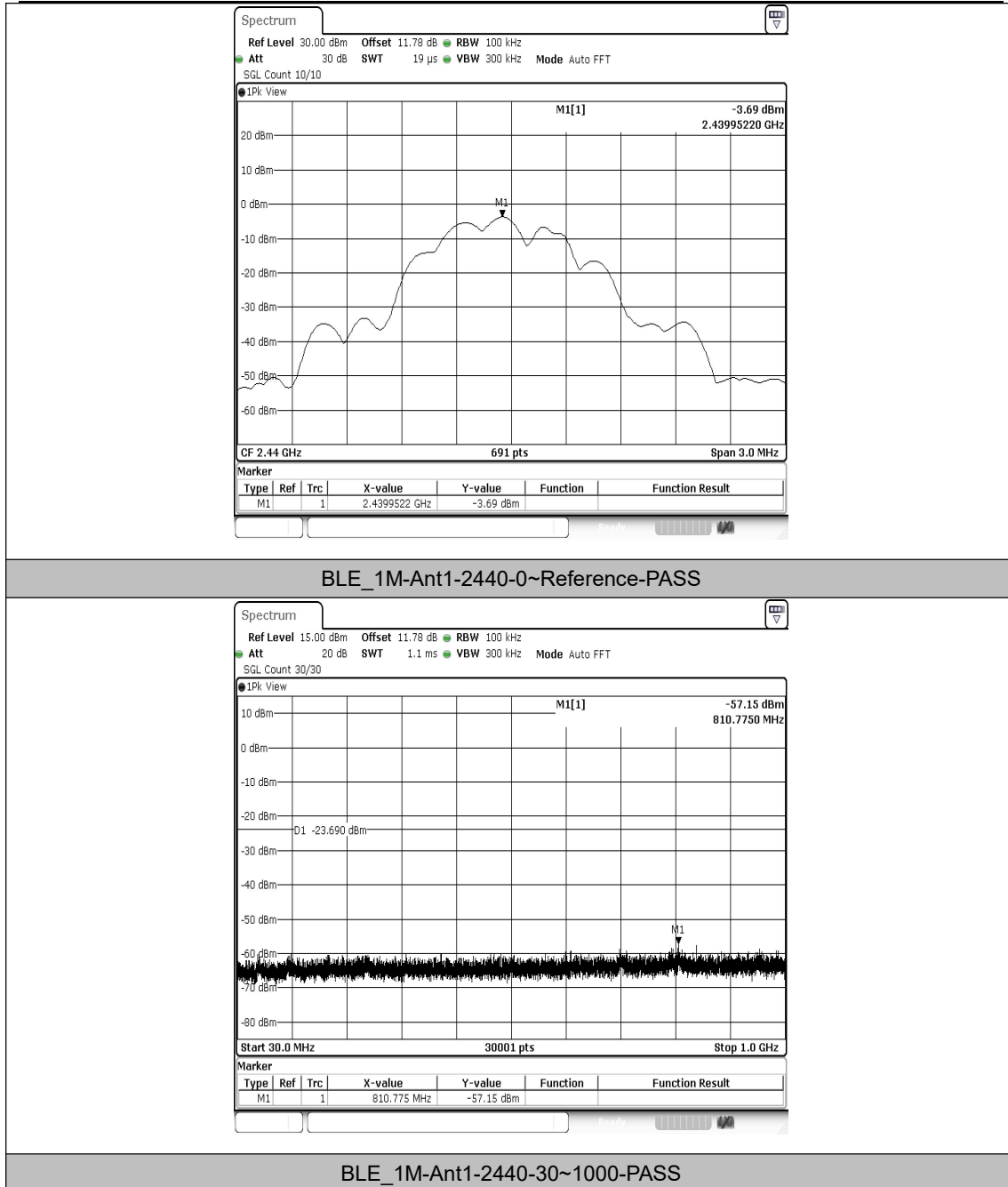
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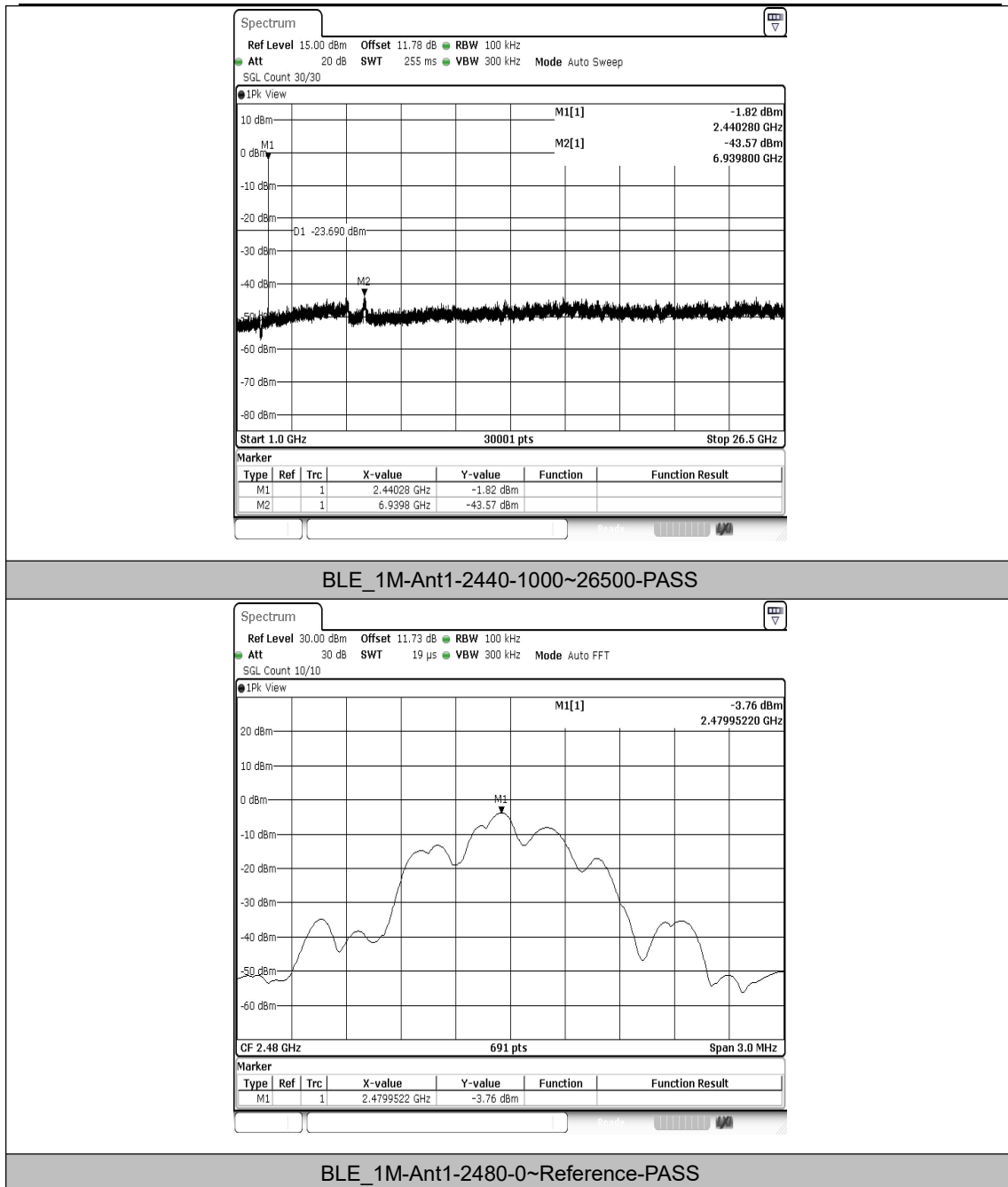
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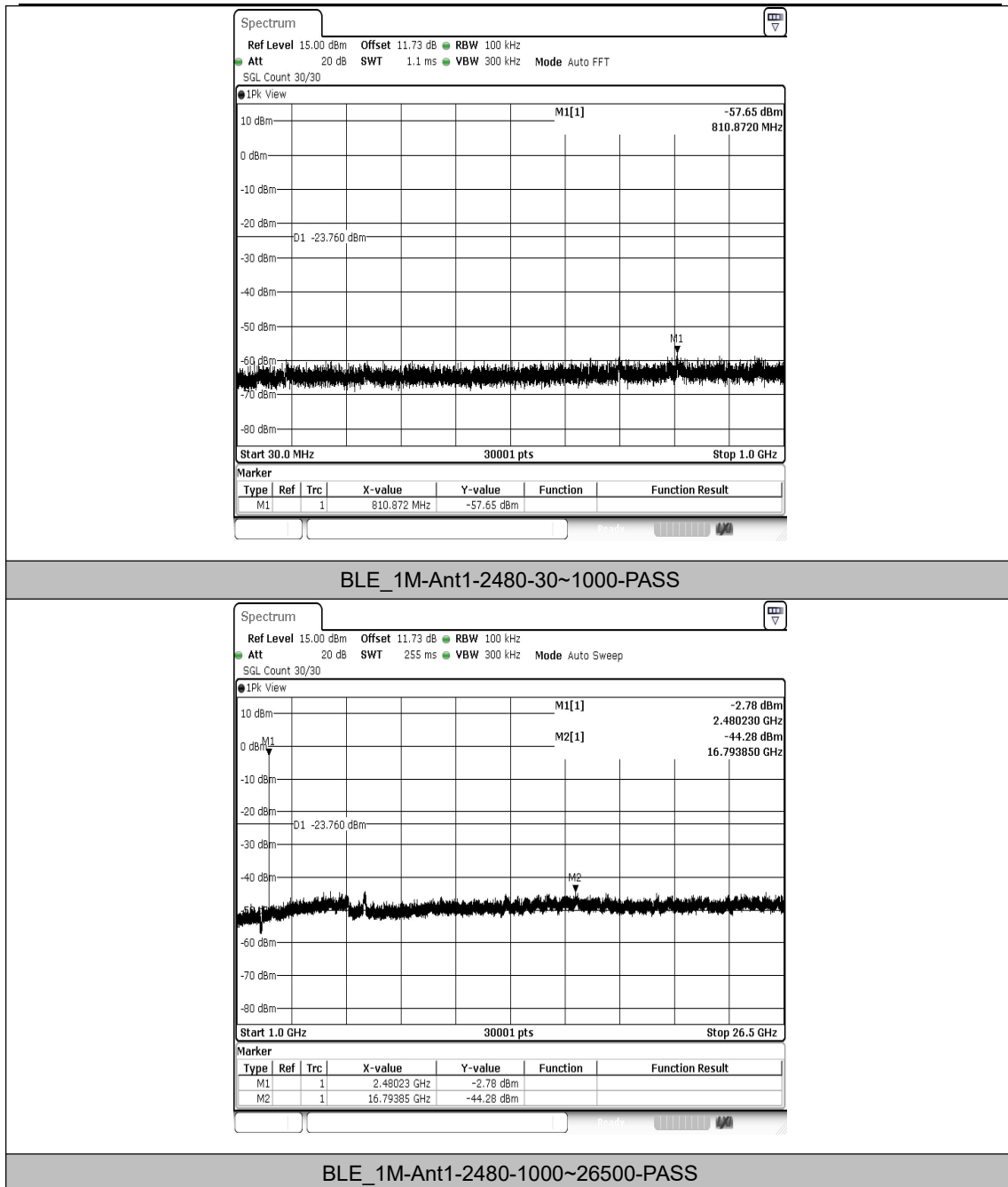


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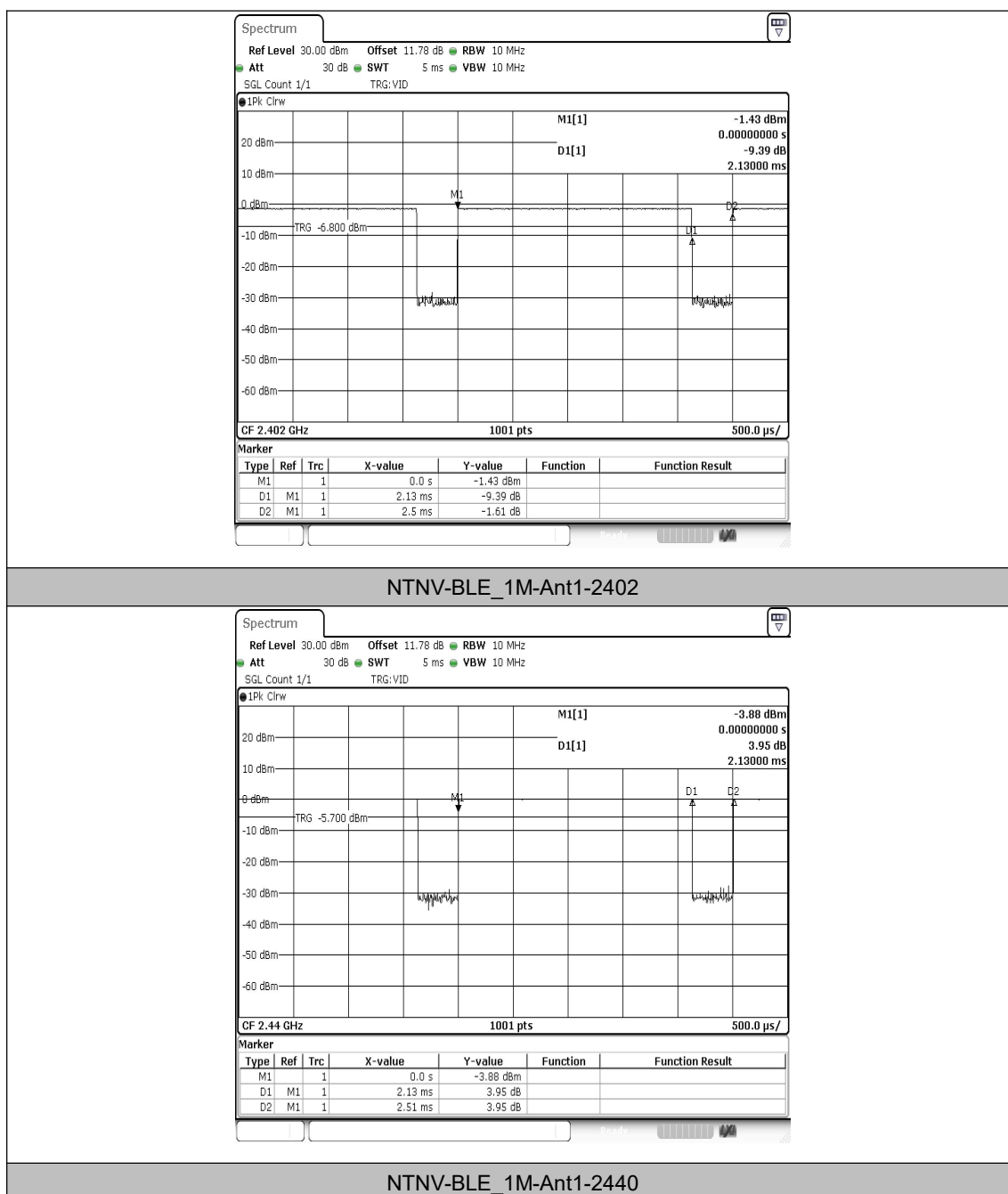


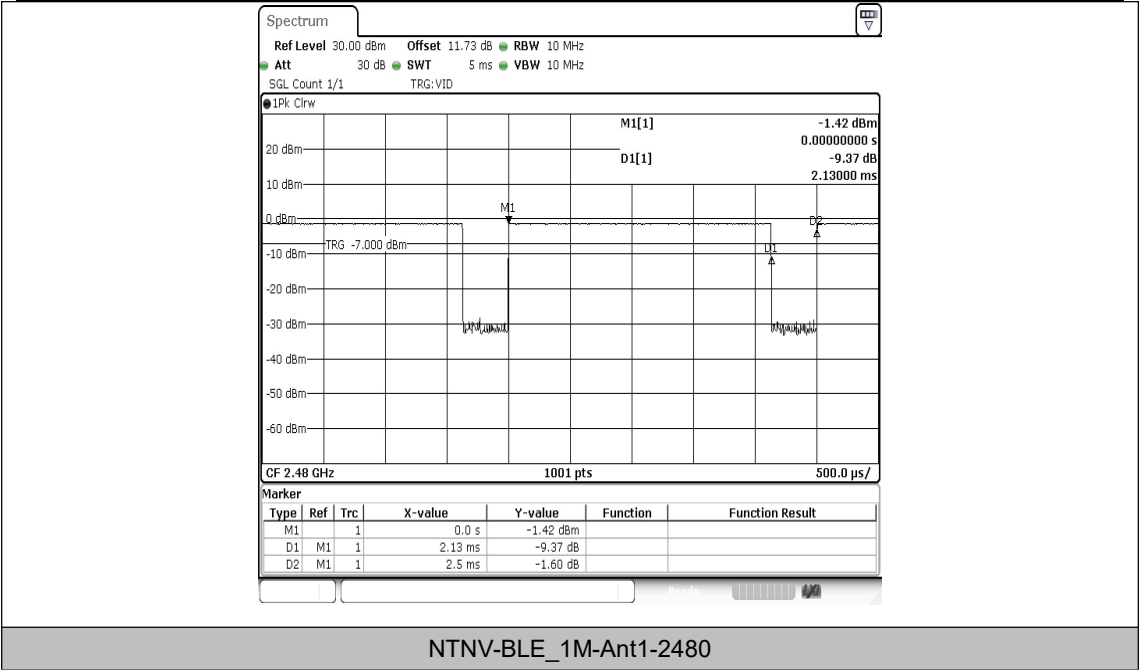
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2440	2.13	2.51	84.86	0.71
BLE_1M	Ant1	2480	2.13	2.50	85.20	0.70

Test Graphs





---END---

