

Appendix Test Data

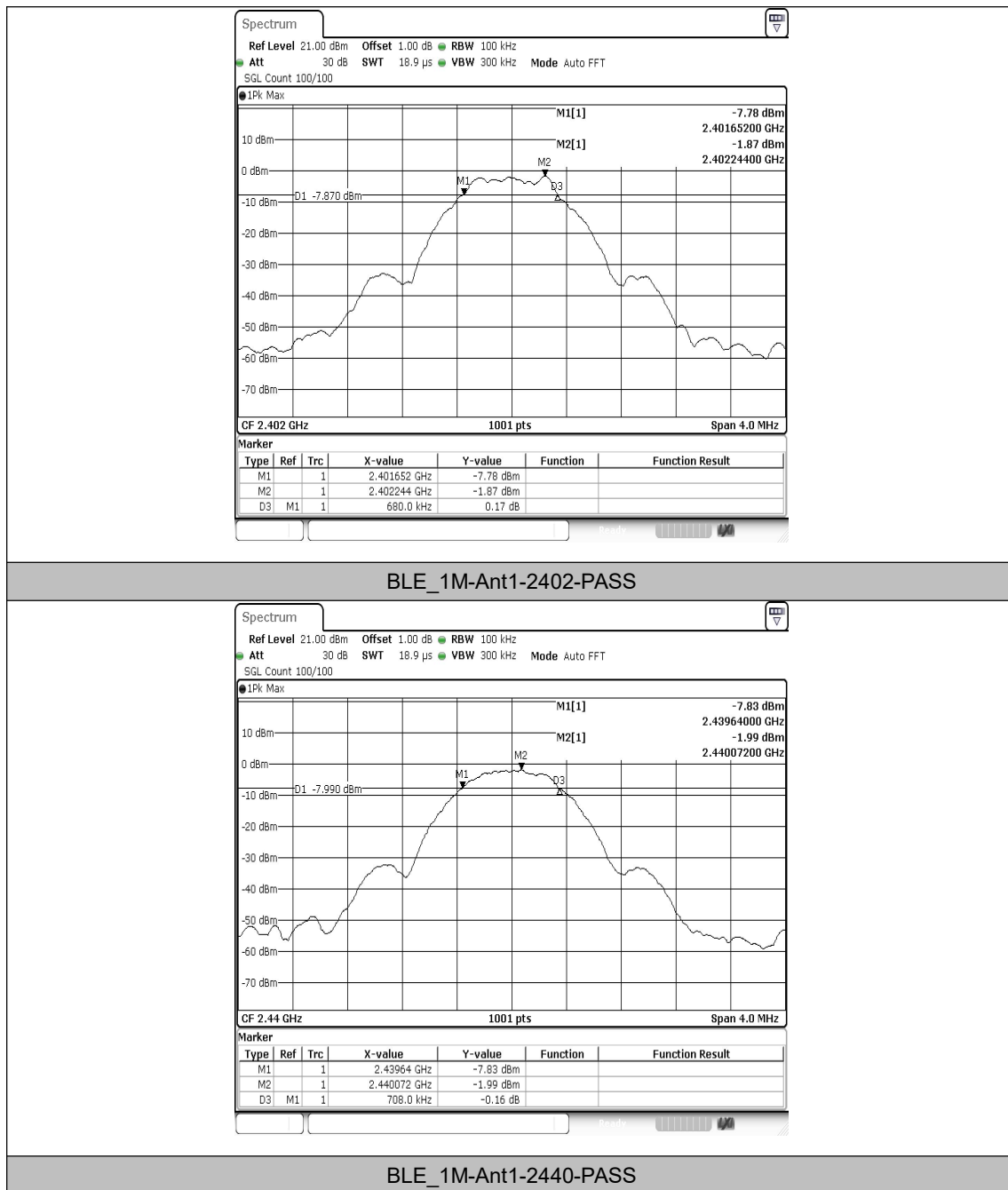
Report No.:	1812C502432125	Test Sample No.:	1-2-2
Start Test Date:	2025-5-26	Finish Test Date:	2025-5-28
Test Engineer:	Hu Sen Guan	Auditor:	Justin Feng
Temperature:	24.5°C	Relative Humidity:	51%
Pressure:	101kPa		

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	0.68	2401.65	2402.33	0.5	PASS
BLE_1M	Ant1	2440	0.71	2439.64	2440.35	0.5	PASS
BLE_1M	Ant1	2480	0.65	2479.66	2480.32	0.5	PASS

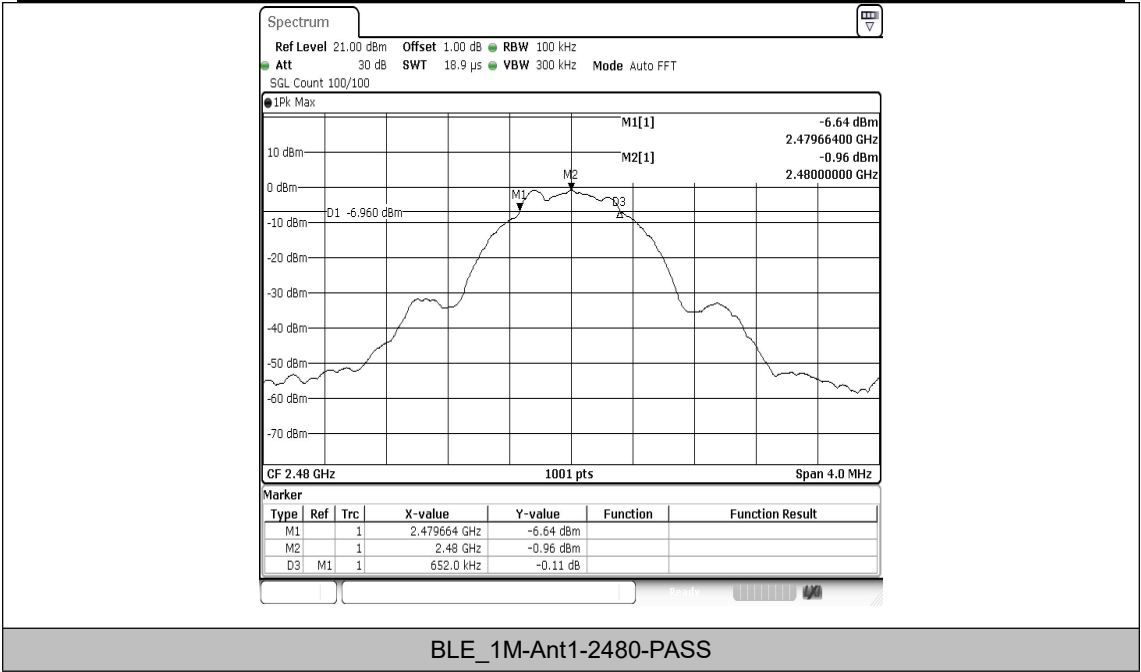
Test Graphs



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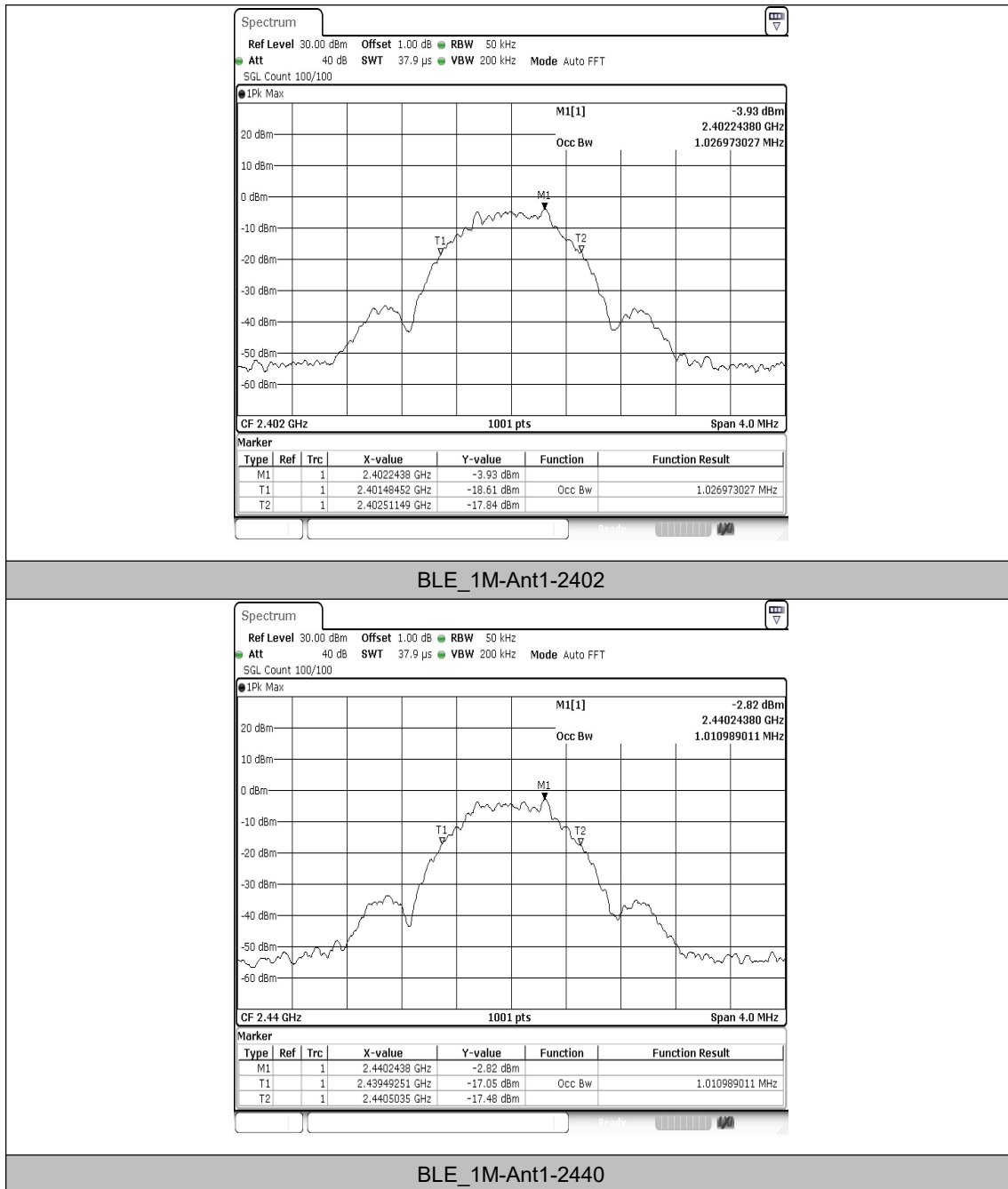
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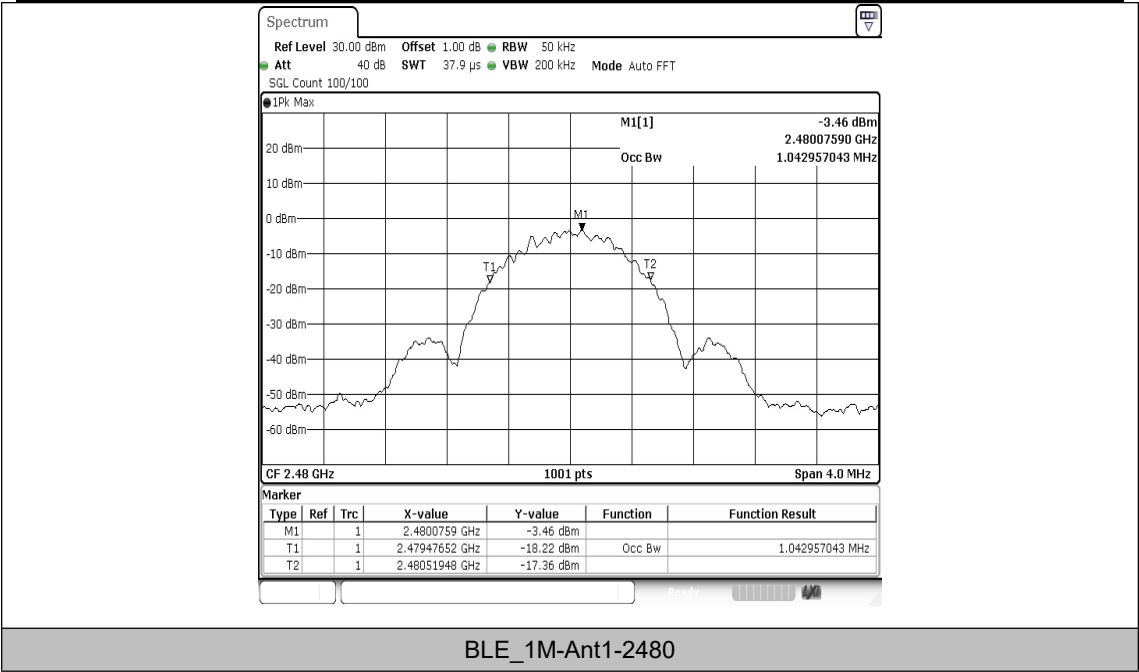
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0270	2401.4845	2402.5115	---	---
BLE_1M	Ant1	2440	1.0110	2439.4925	2440.5035	---	---
BLE_1M	Ant1	2480	1.0430	2479.4765	2480.5195	---	---

Test Graphs





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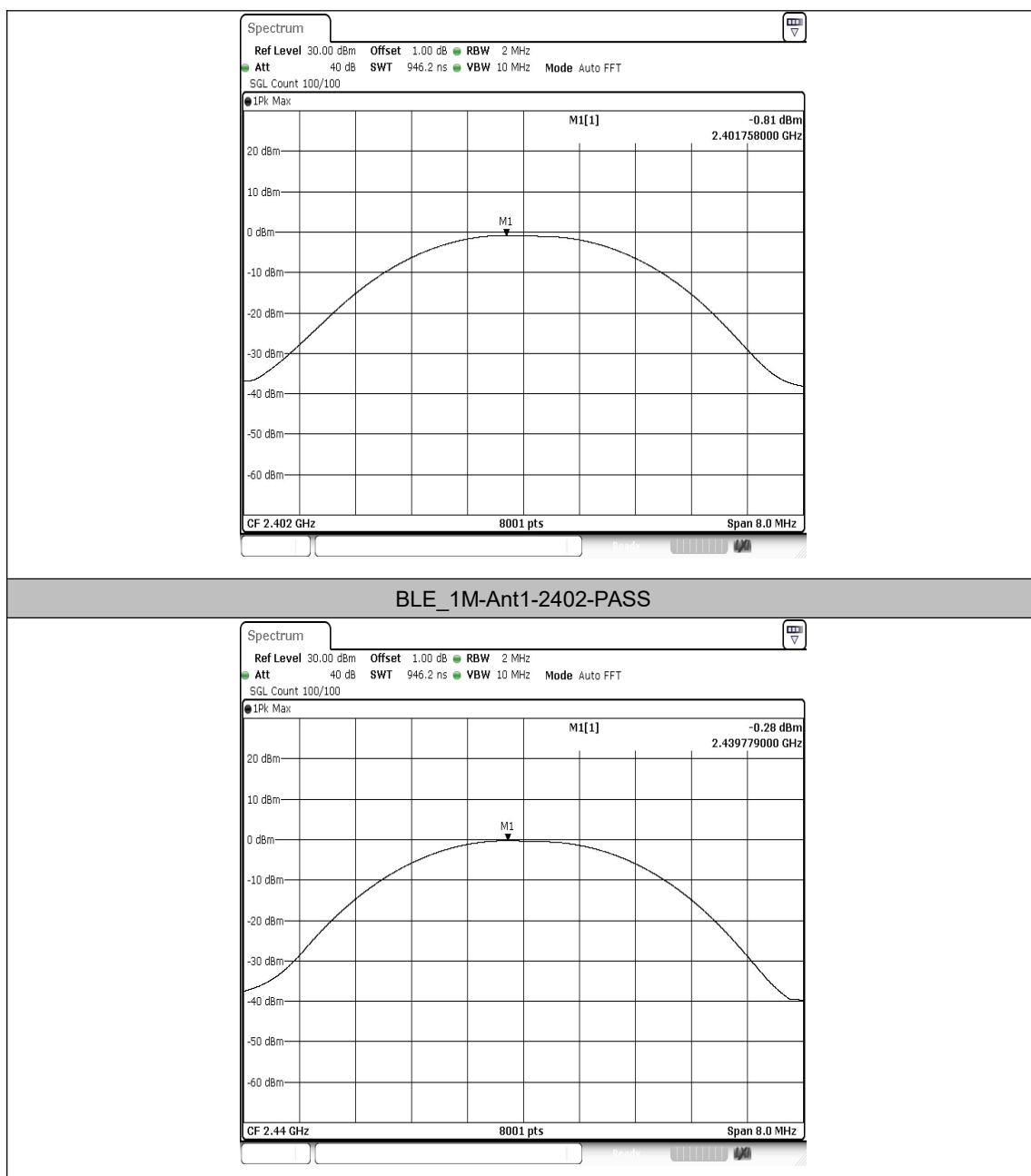
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Appendix C: Maximum conducted output power

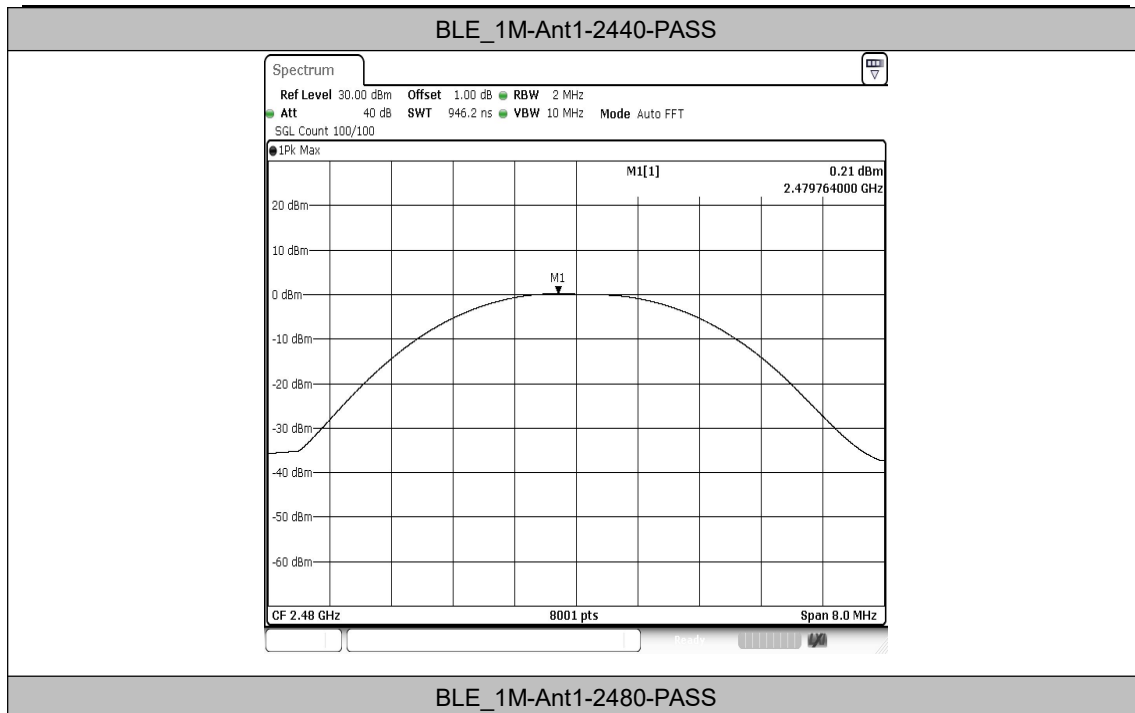
Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.81	≤30	PASS
BLE_1M	Ant1	2440	-0.28	≤30	PASS
BLE_1M	Ant1	2480	0.21	≤30	PASS

Test Graphs Peak



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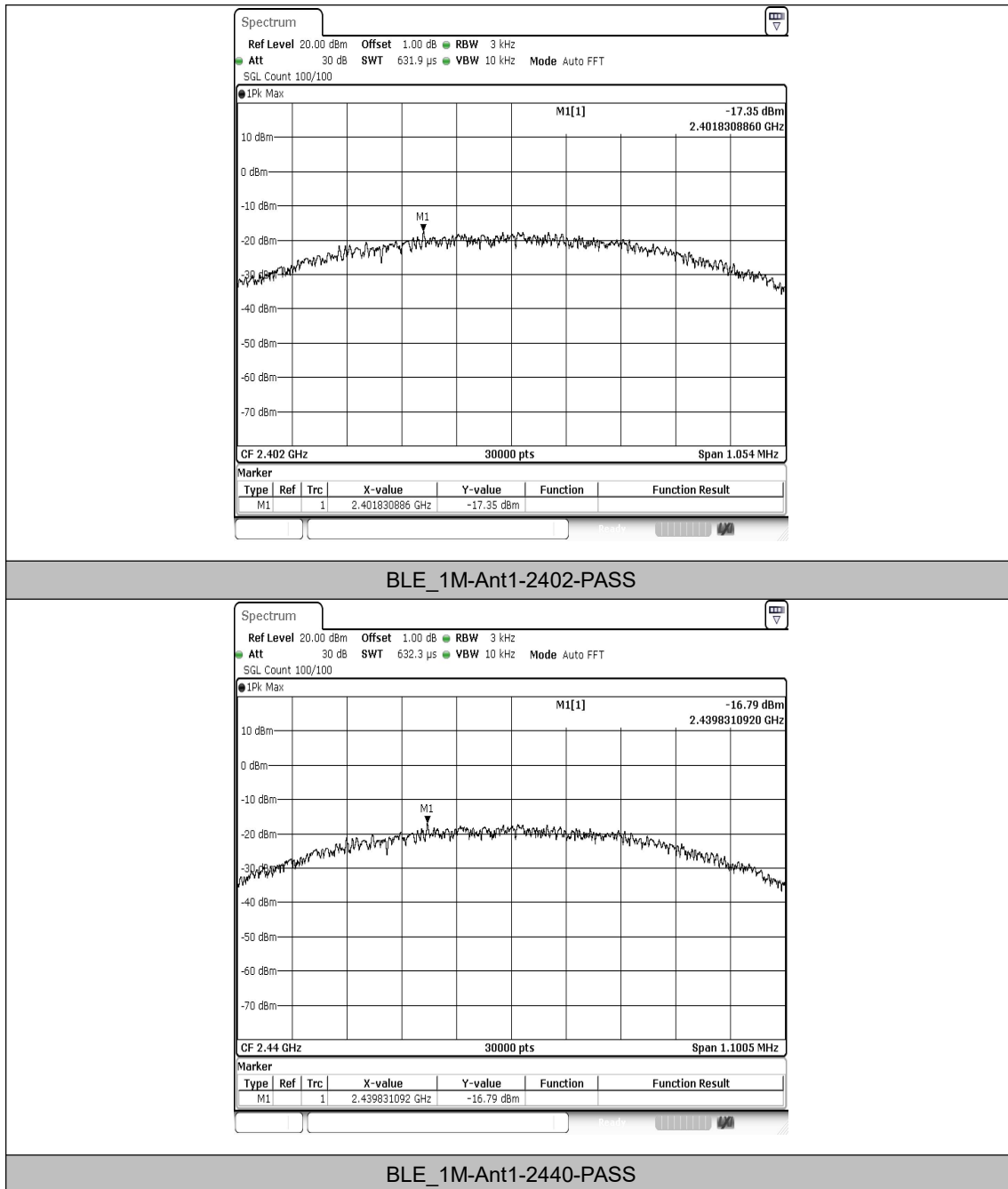
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-17.35	≤8.00	PASS
BLE_1M	Ant1	2440	-16.79	≤8.00	PASS
BLE_1M	Ant1	2480	-16.35	≤8.00	PASS

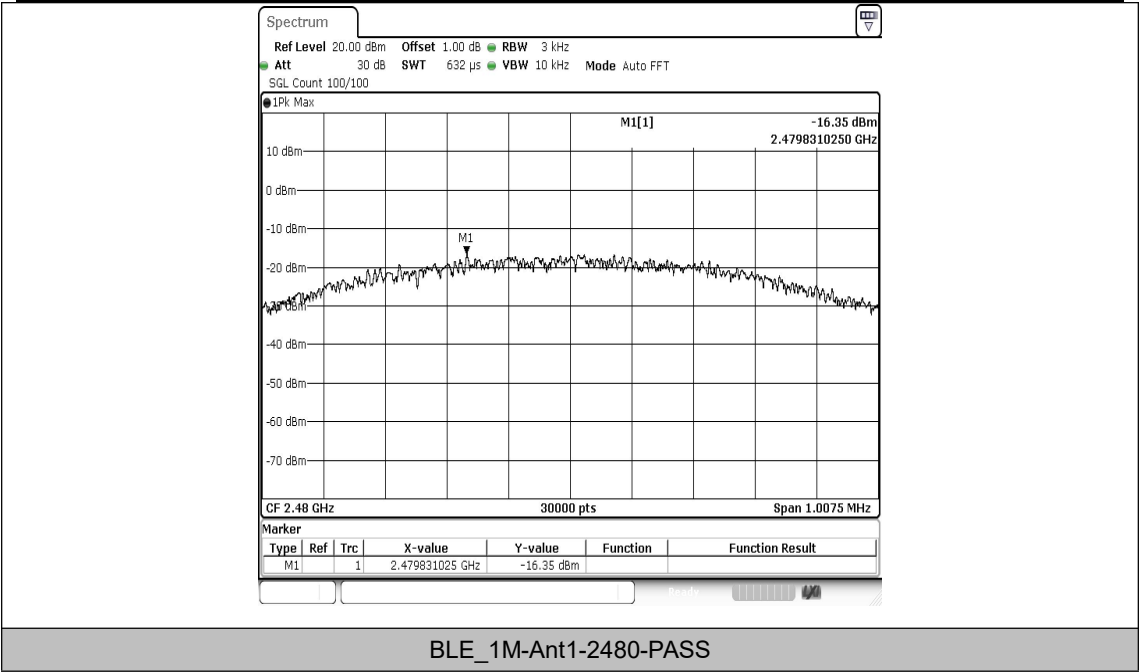
Test Graphs



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Appendix E: Band edge measurements

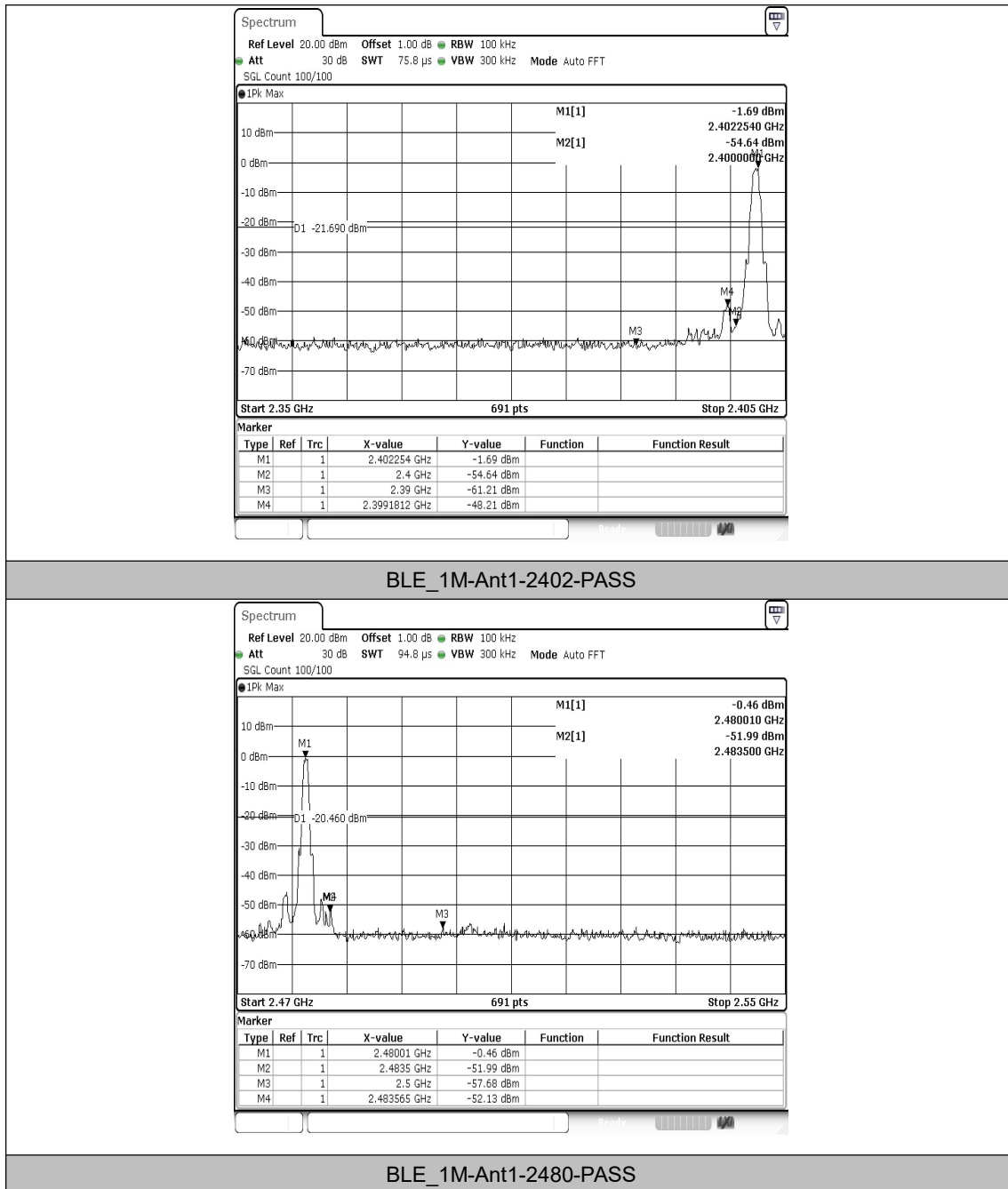
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.69	-48.21	≤-21.69	PASS
BLE_1M	Ant1	High	2480	-0.46	-52.13	≤-20.46	PASS

Remark:1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.



Test Graphs



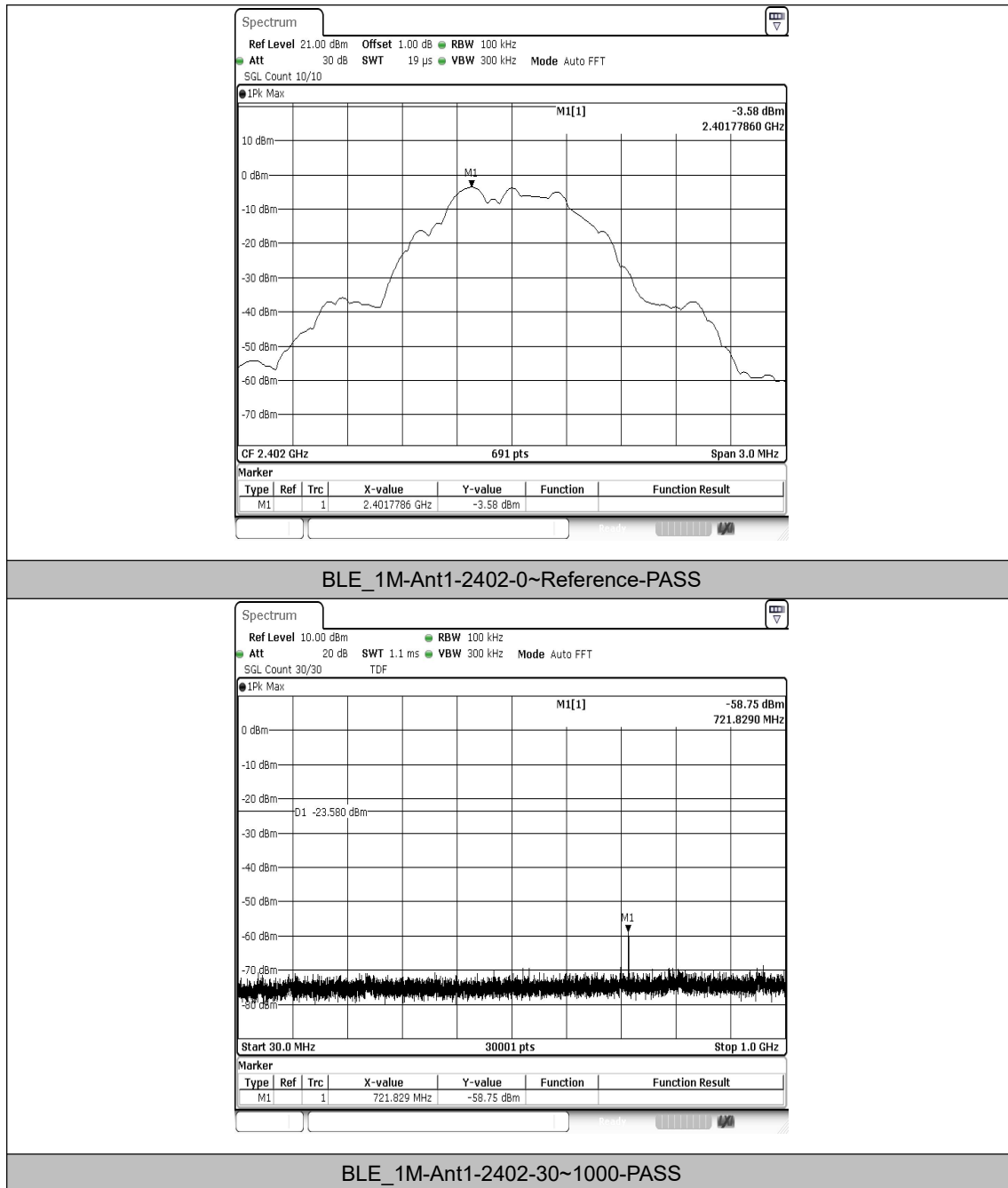
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-3.58	-3.58	---	PASS
BLE_1M	Ant1	2402	30~1000	-3.58	-58.75	≤-23.58	PASS
BLE_1M	Ant1	2402	1000~26500	-3.58	-46.36	≤-23.58	PASS
BLE_1M	Ant1	2440	0~Reference	-3.30	-3.30	---	PASS
BLE_1M	Ant1	2440	30~1000	-3.30	-68.87	≤-23.3	PASS
BLE_1M	Ant1	2440	1000~26500	-3.30	-44.83	≤-23.3	PASS
BLE_1M	Ant1	2480	0~Reference	-1.70	-1.70	---	PASS
BLE_1M	Ant1	2480	30~1000	-1.70	-68.83	≤-21.7	PASS
BLE_1M	Ant1	2480	1000~26500	-1.70	-44.71	≤-21.7	PASS

Remark: Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose and attenuator factor s have been set in the 'TDF' of the Spectrum Analyzer during the test.

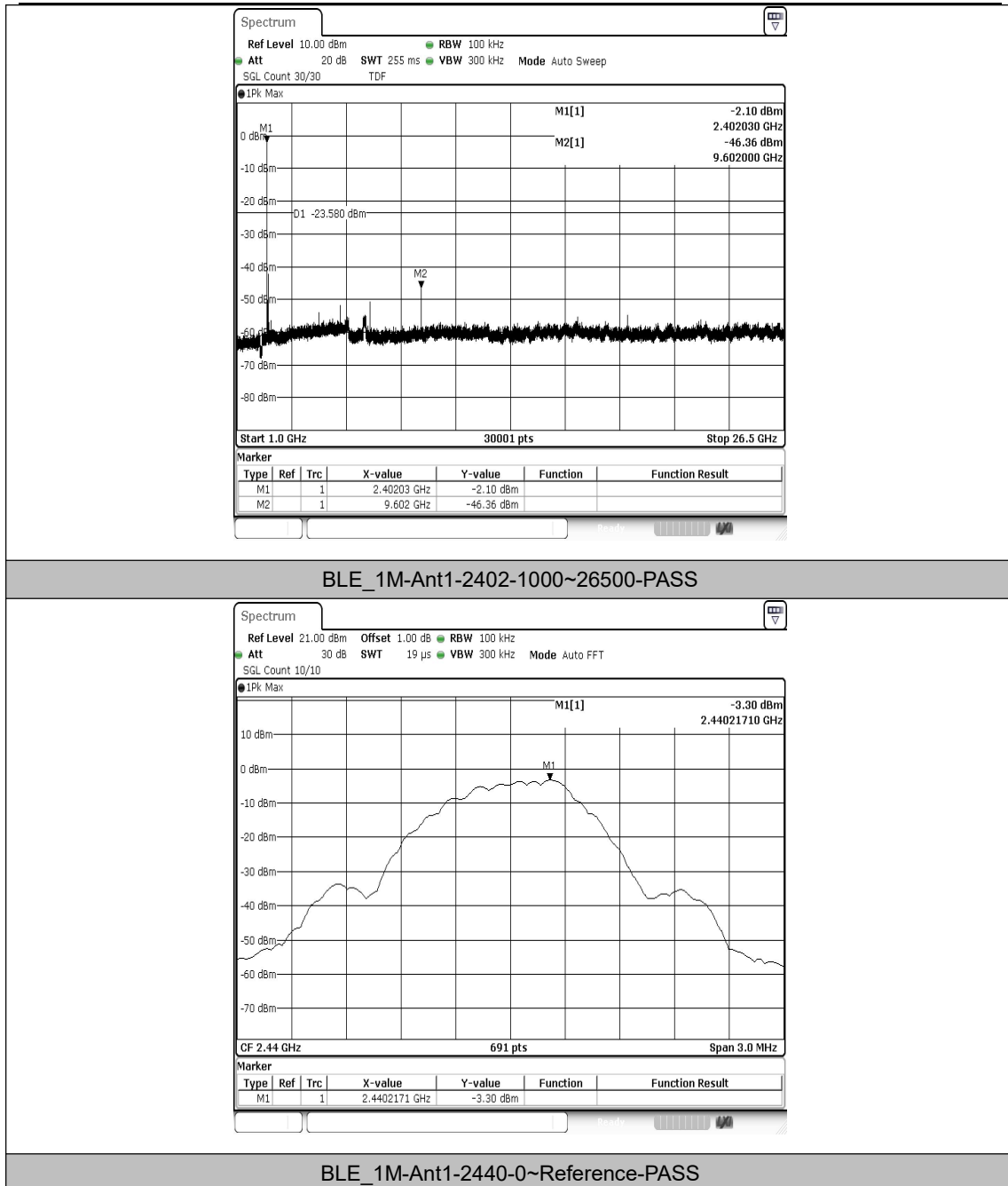
Test Graphs



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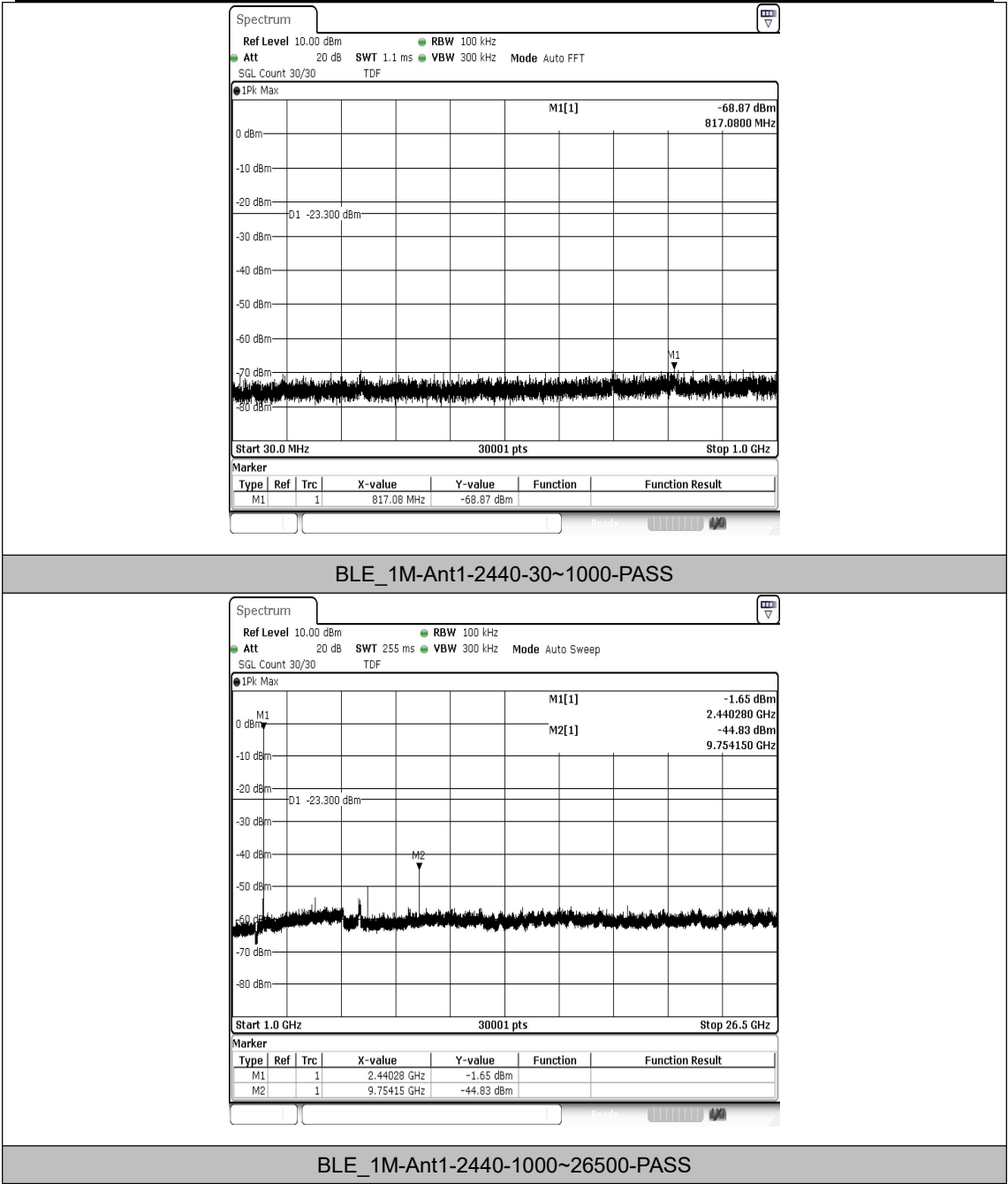
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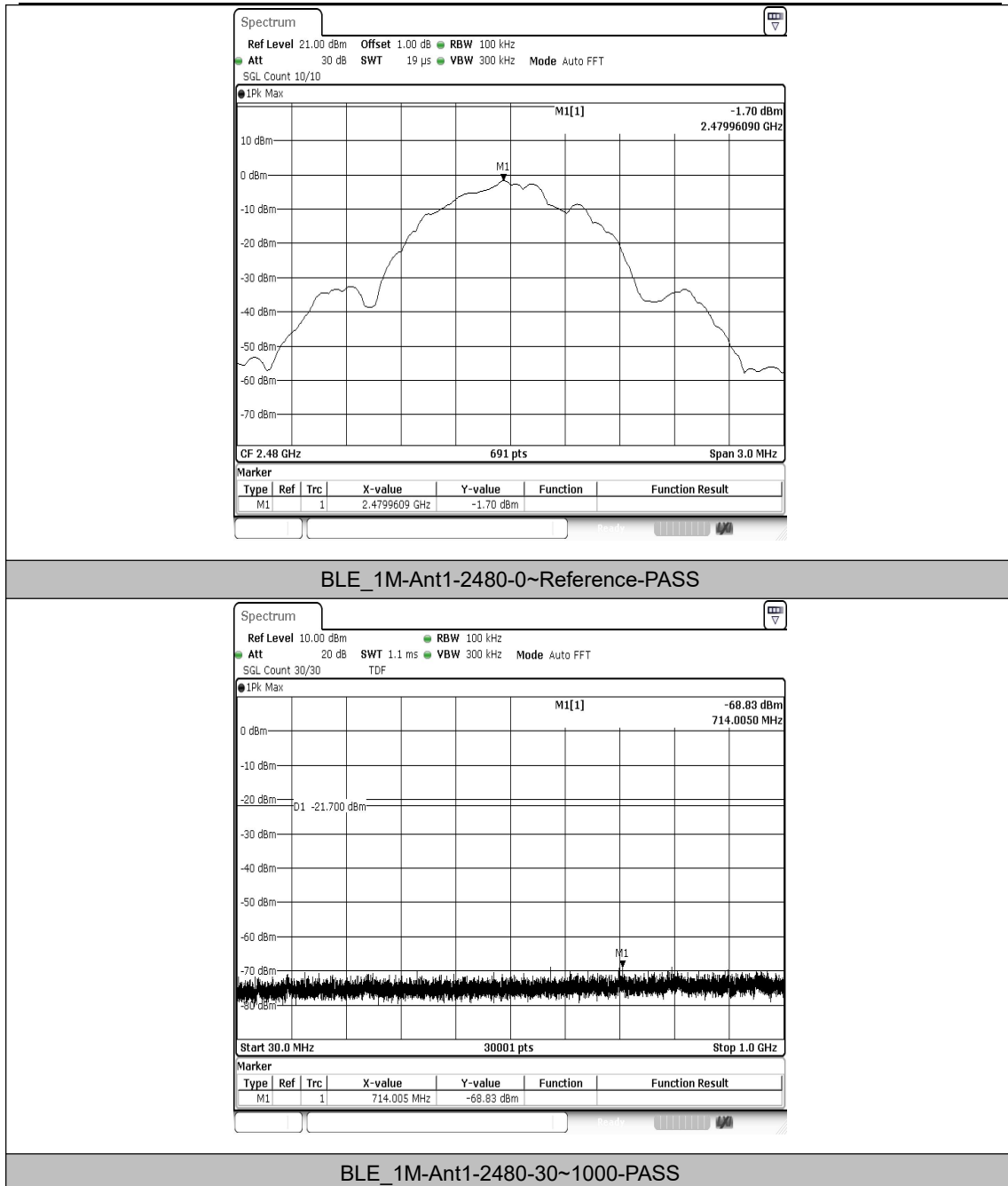


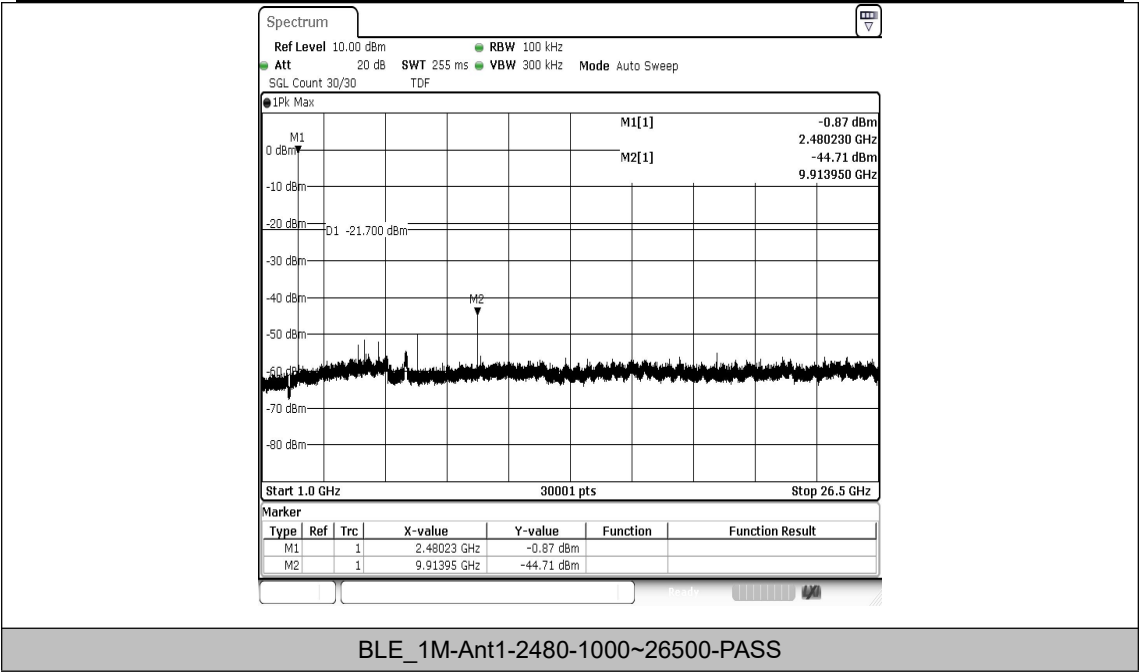
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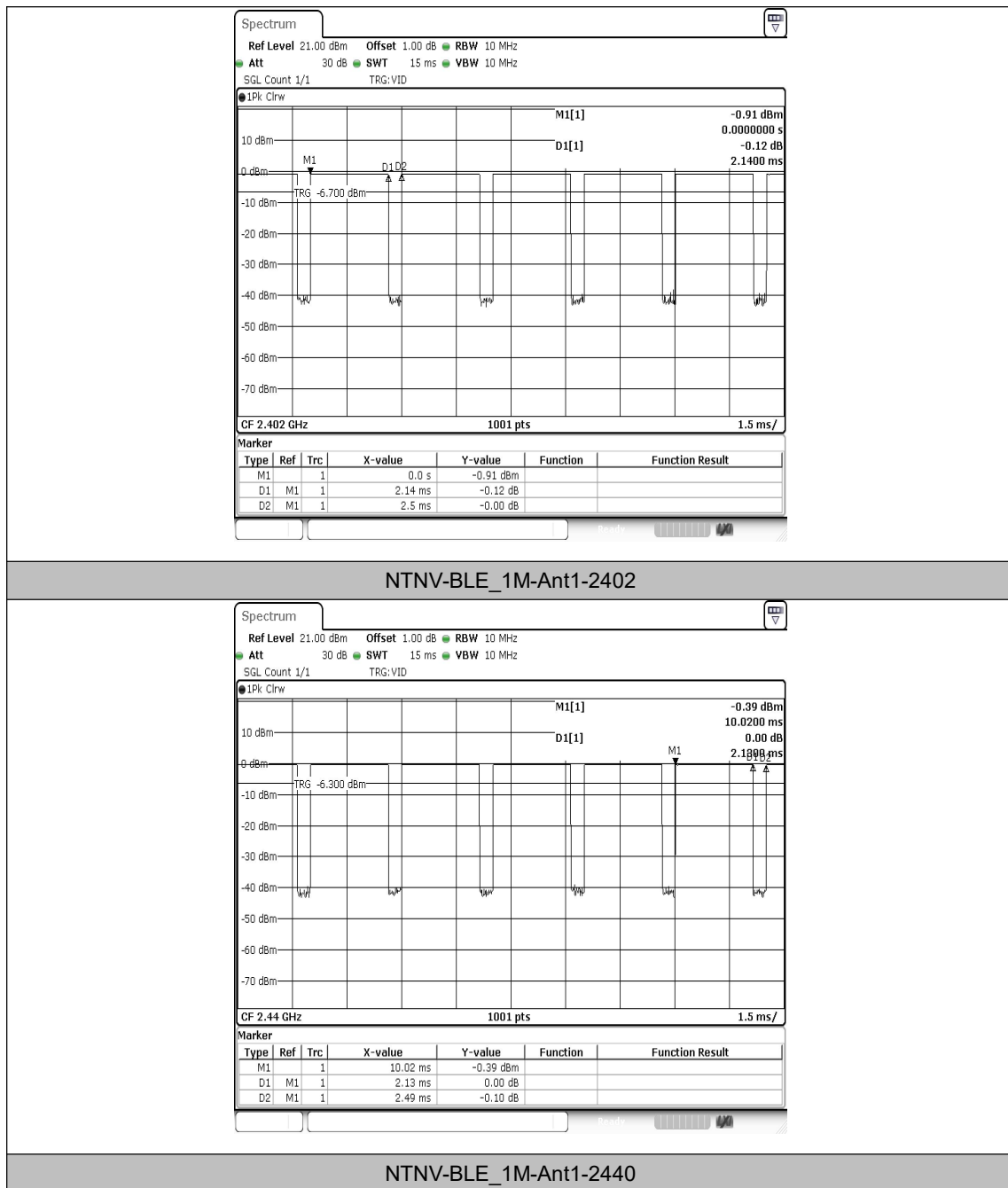
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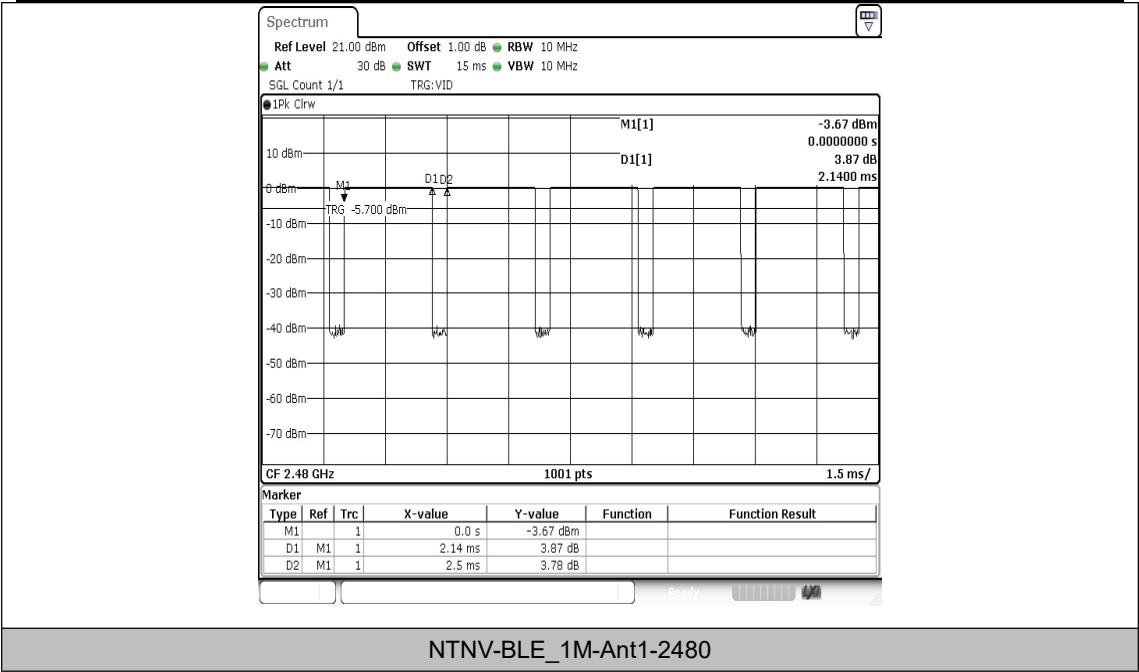
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.14	2.50	85.60	0.68
BLE_1M	Ant1	2440	2.13	2.49	85.54	0.68
BLE_1M	Ant1	2480	2.14	2.50	85.60	0.68

Test Graphs





---End---