

Appendix Test Data

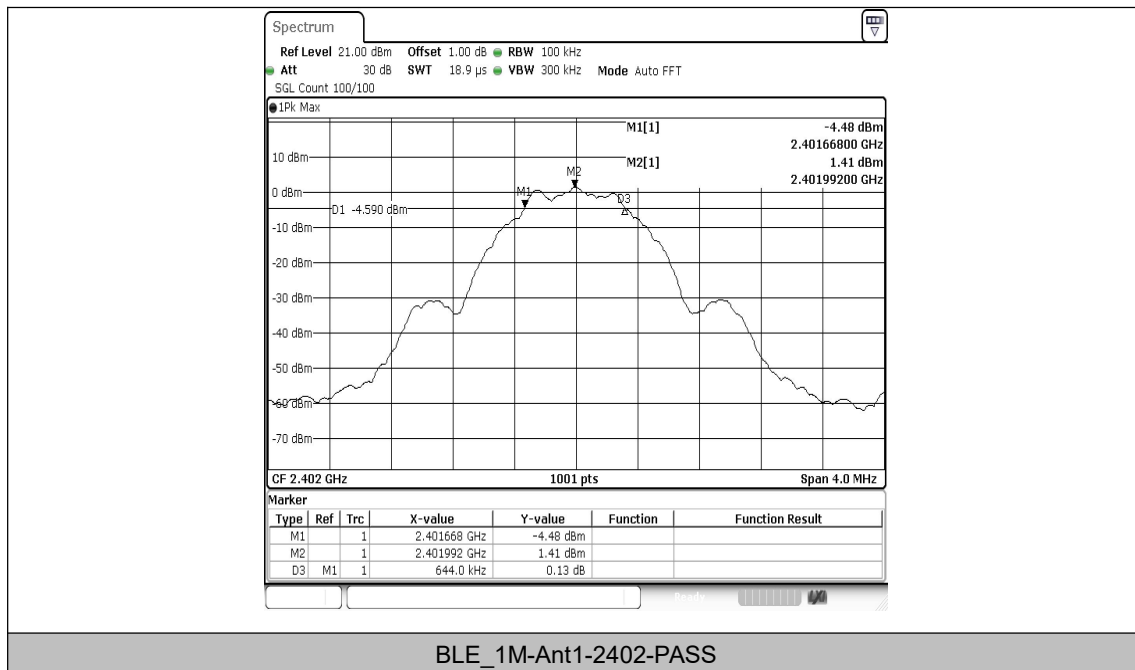
Report No.:	1812C50341012501	Test Sample No.:	1-2-2
Start Test Date:	2025-7-10	Finish Test Date:	2025-7-15
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	22.7°C	Relative Humidity:	58%
Pressure:	101kPa		

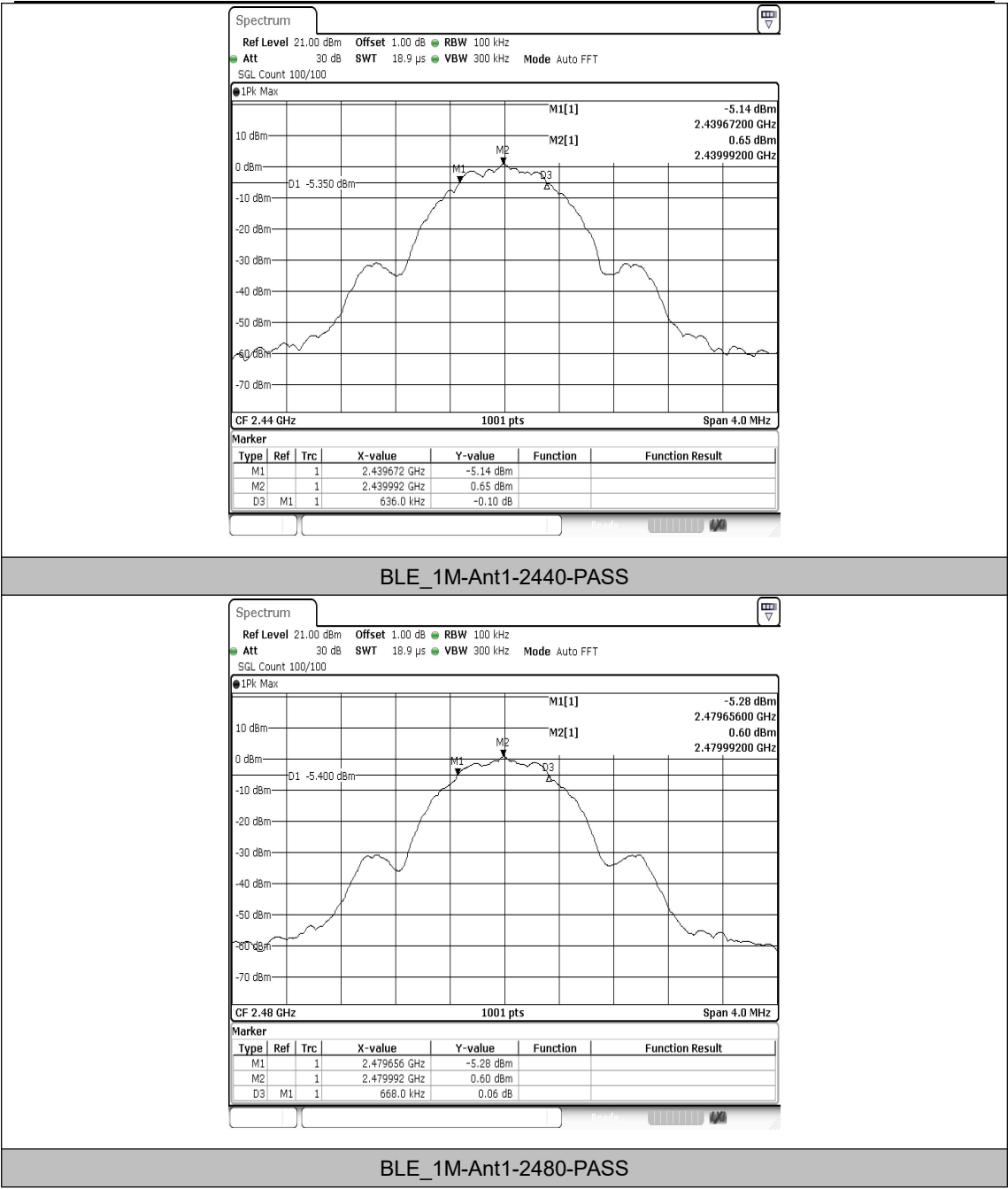
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.64	2401.67	2402.31	0.5	PASS
BLE_1M	Ant1	2440	0.64	2439.67	2440.31	0.5	PASS
BLE_1M	Ant1	2480	0.67	2479.66	2480.32	0.5	PASS

Test Graphs



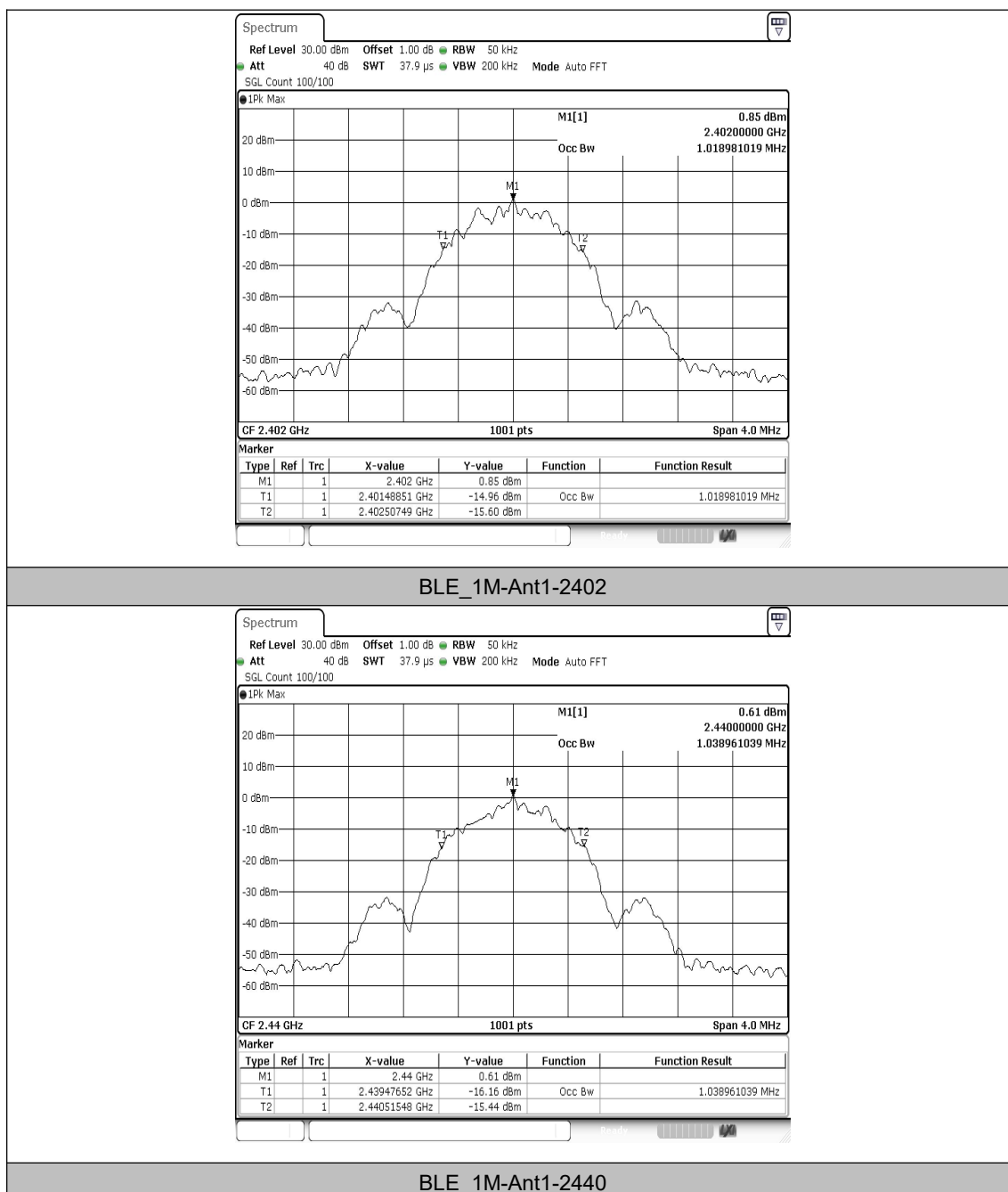


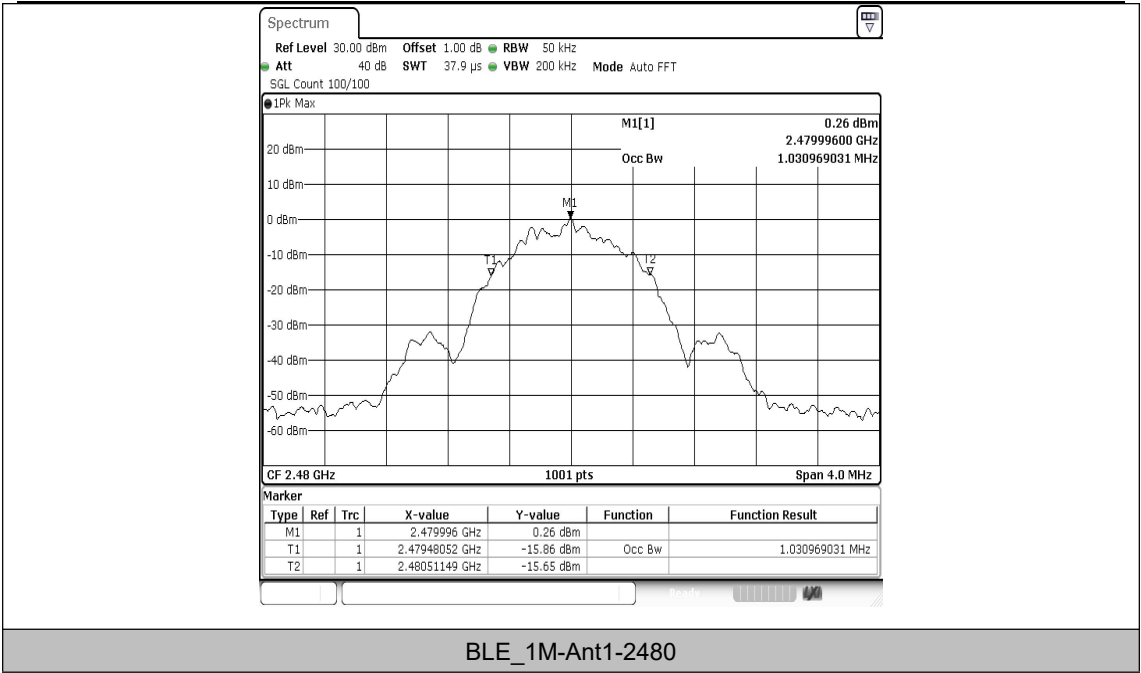
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0190	2401.4885	2402.5075	---	---
BLE_1M	Ant1	2440	1.0390	2439.4765	2440.5155	---	---
BLE_1M	Ant1	2480	1.0310	2479.4805	2480.5115	---	---

Test Graphs





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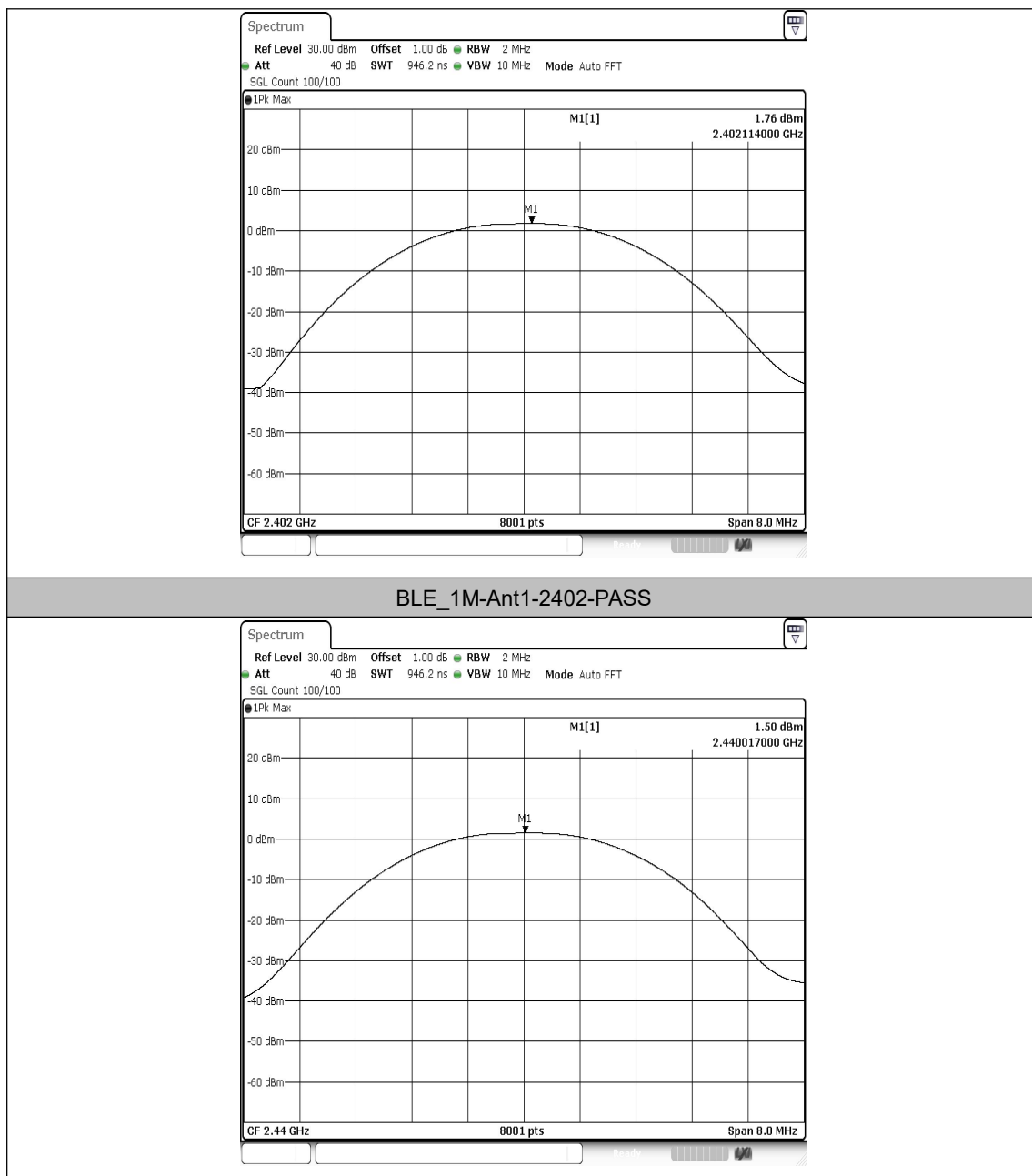
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.76	≤30	PASS
BLE_1M	Ant1	2440	1.50	≤30	PASS
BLE_1M	Ant1	2480	1.32	≤30	PASS

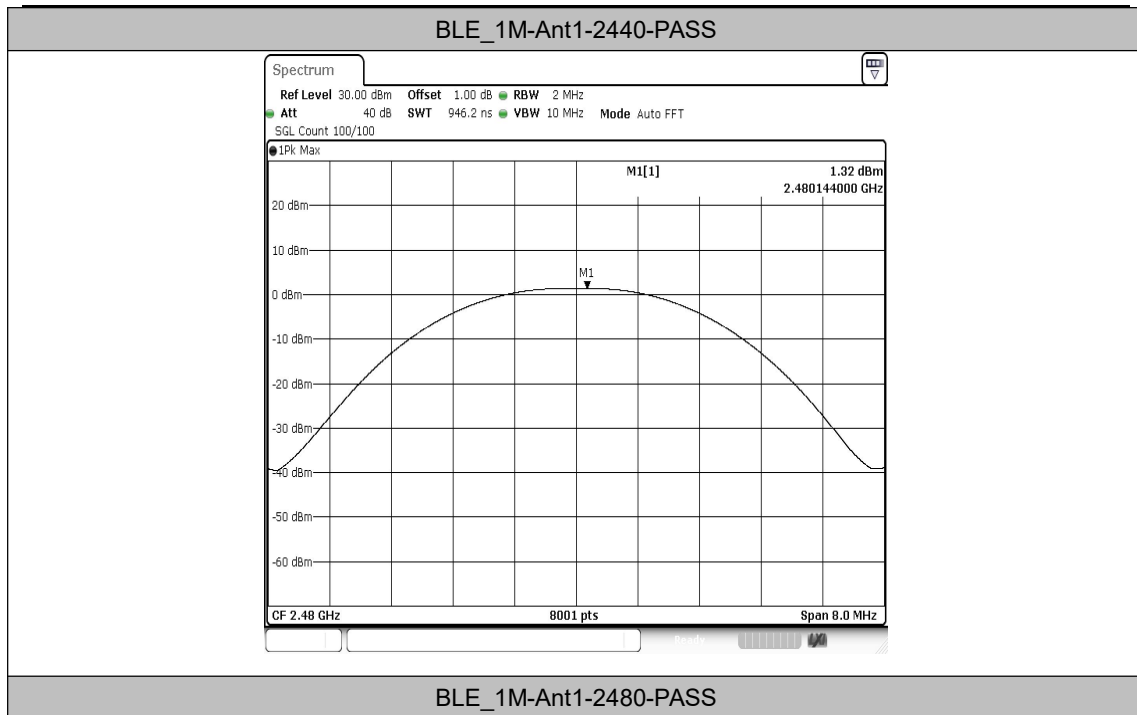
Test Graphs Peak



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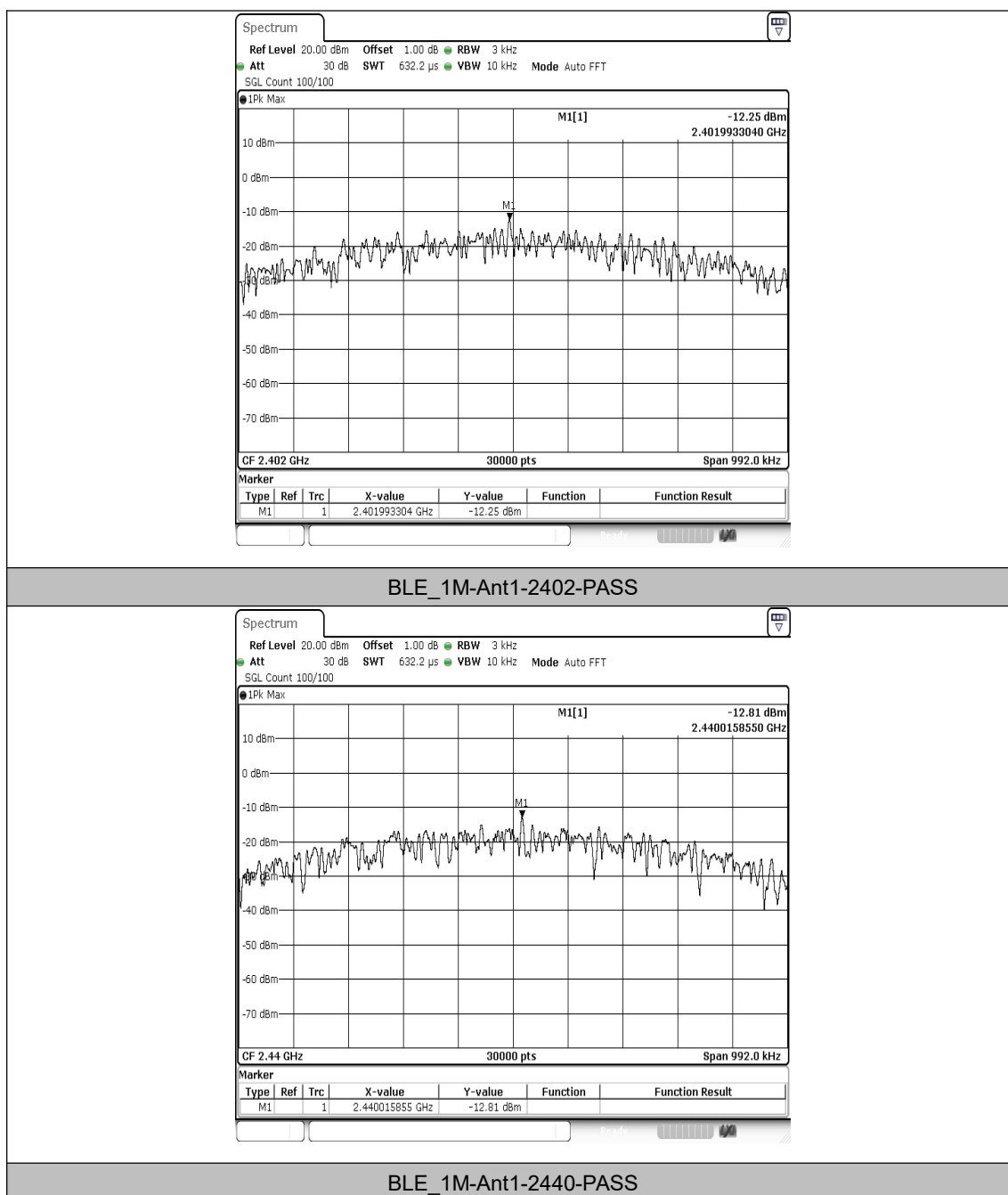
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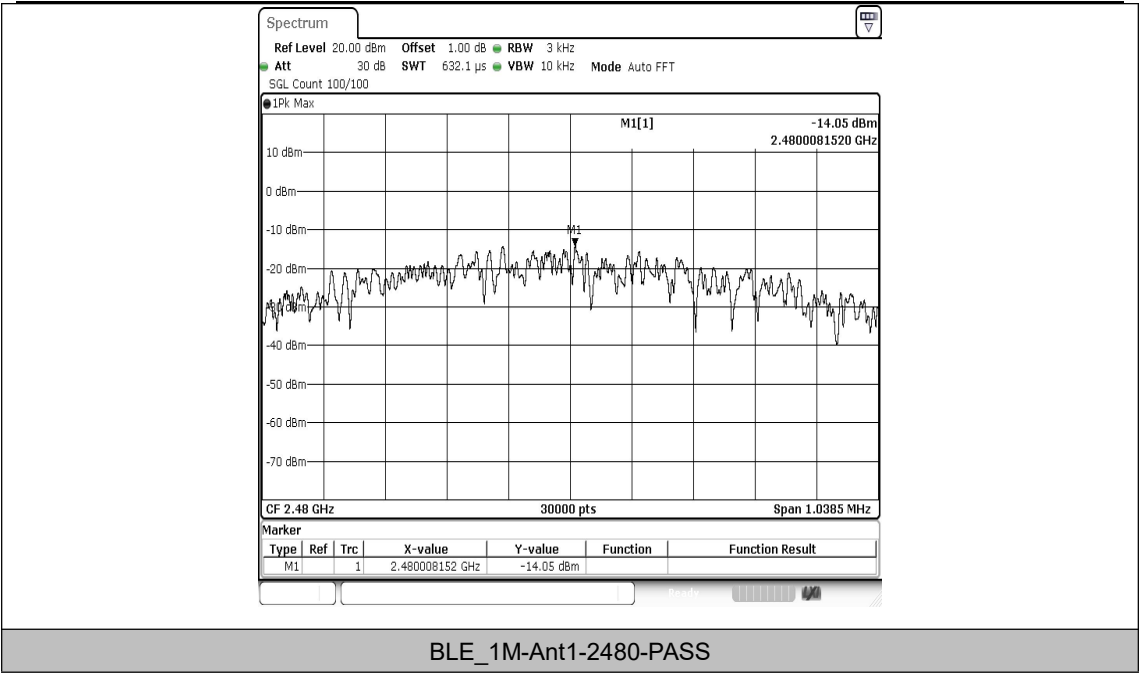
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.25	≤8.00	PASS
BLE_1M	Ant1	2440	-12.81	≤8.00	PASS
BLE_1M	Ant1	2480	-14.05	≤8.00	PASS

Test Graphs





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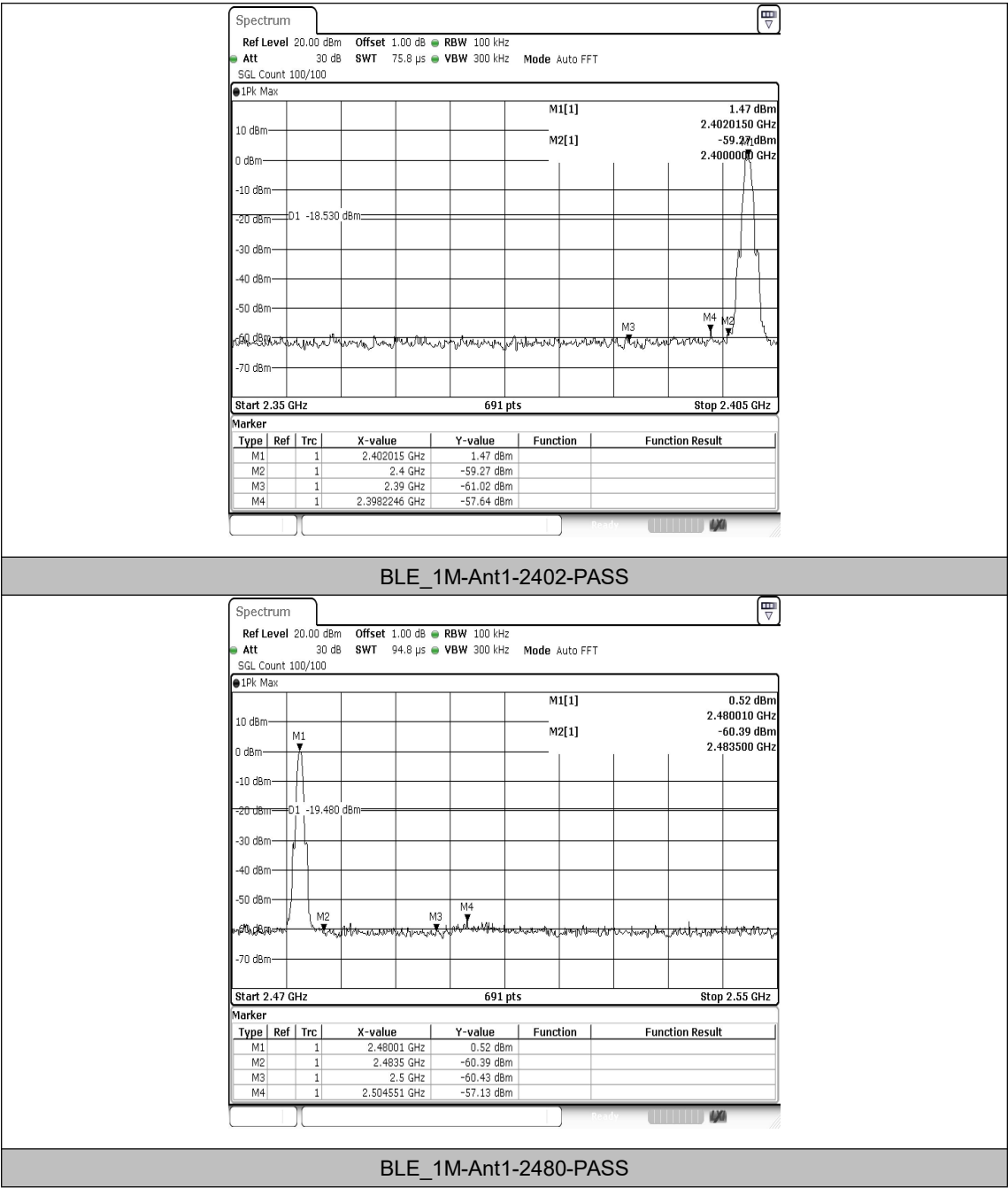
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.47	-57.64	≤-18.53	PASS
BLE_1M	Ant1	High	2480	0.52	-57.13	≤-19.48	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



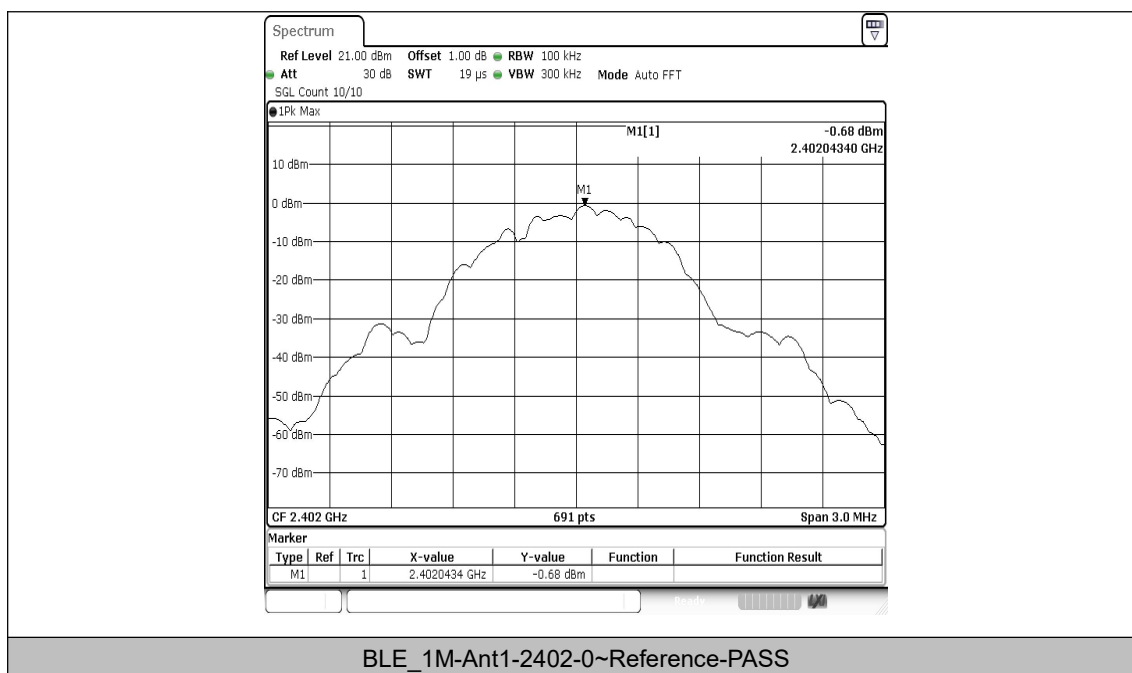
Appendix F: Conducted Spurious Emission

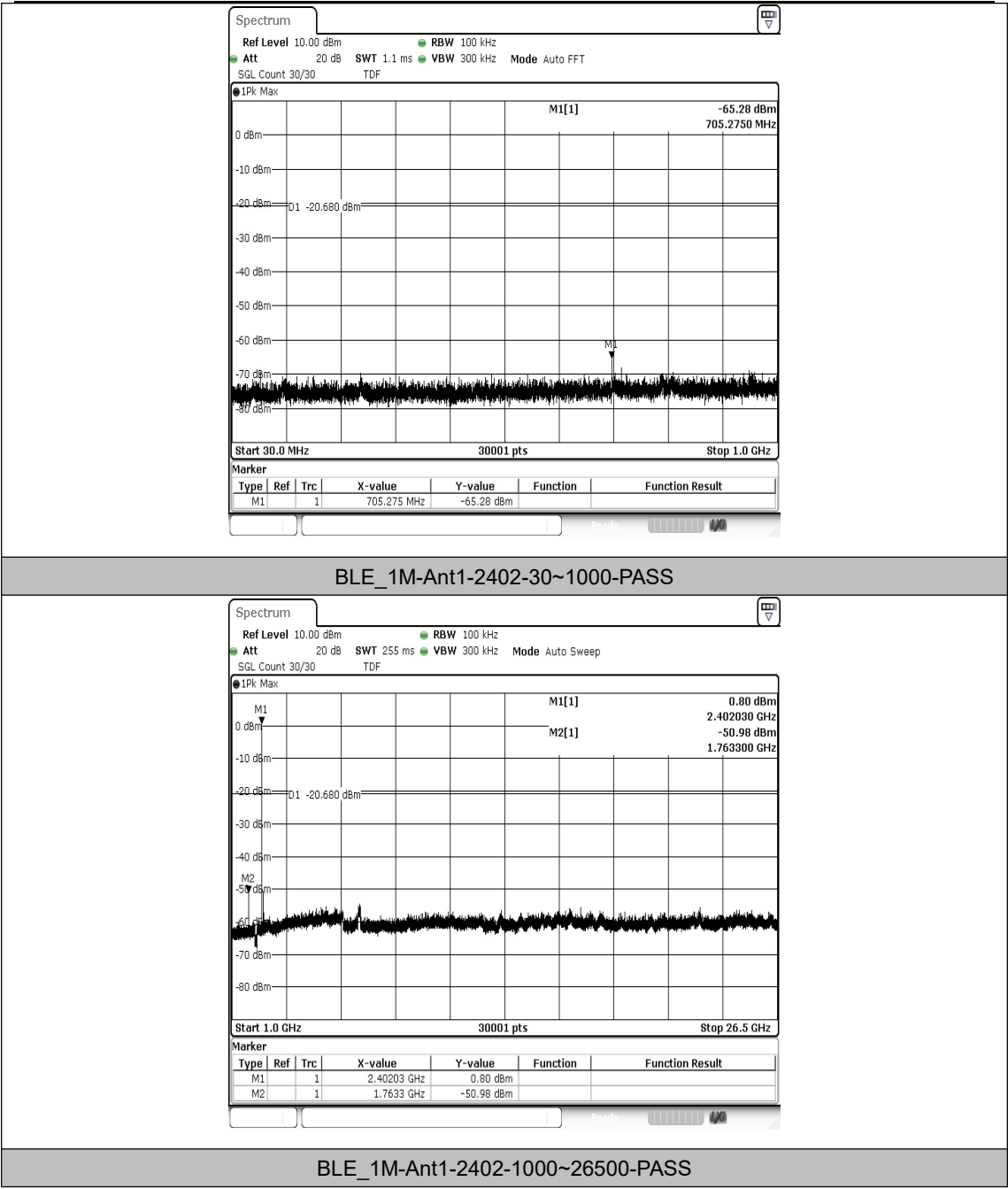
Test Result

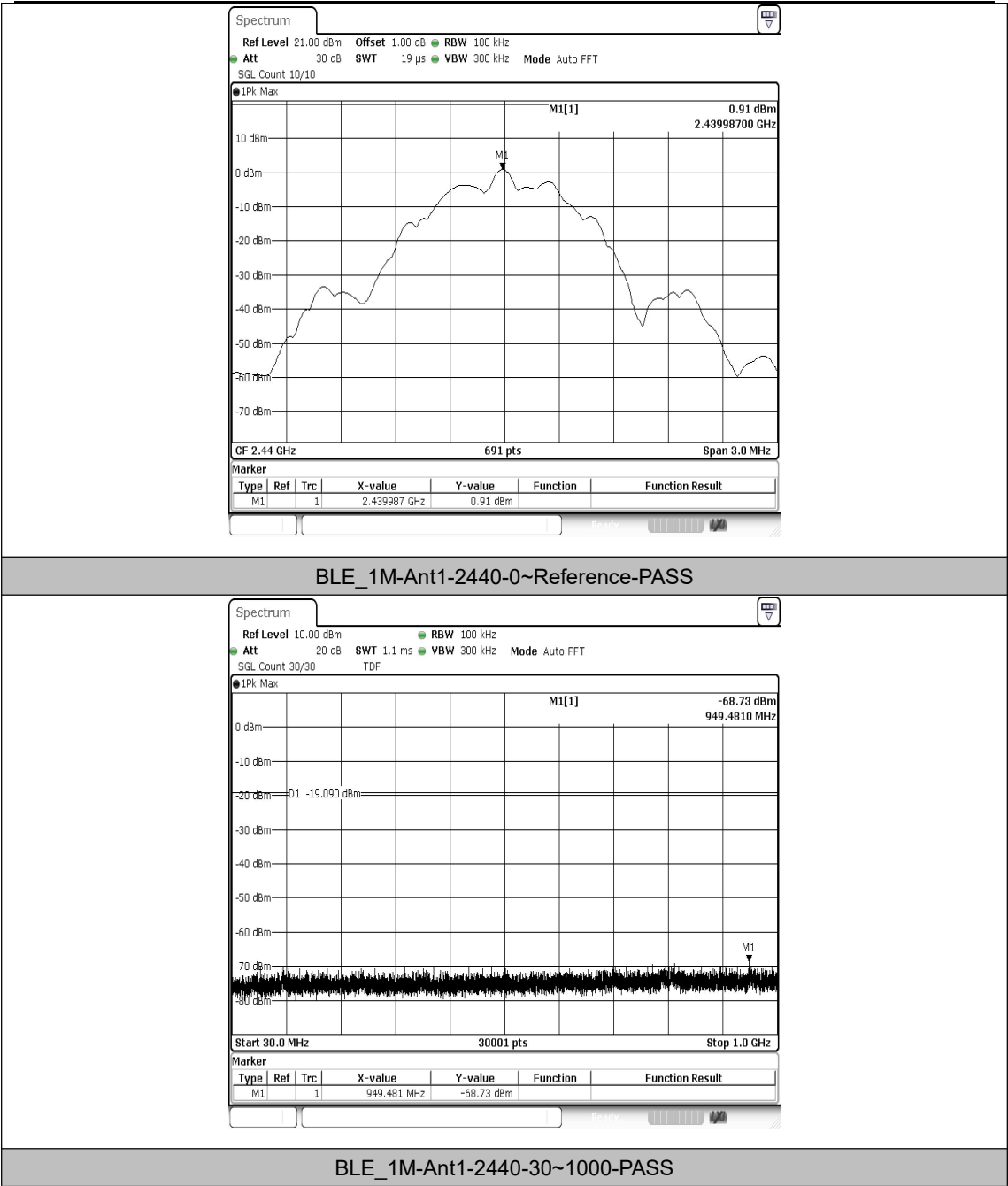
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-0.68	-0.68	---	PASS
BLE_1M	Ant1	2402	30~1000	-0.68	-65.28	≤-20.68	PASS
BLE_1M	Ant1	2402	1000~26500	-0.68	-50.98	≤-20.68	PASS
BLE_1M	Ant1	2440	0~Reference	0.91	0.91	---	PASS
BLE_1M	Ant1	2440	30~1000	0.91	-68.73	≤-19.09	PASS
BLE_1M	Ant1	2440	1000~26500	0.91	-51.43	≤-19.09	PASS
BLE_1M	Ant1	2480	0~Reference	-1.03	-1.03	---	PASS
BLE_1M	Ant1	2480	30~1000	-1.03	-68.66	≤-21.03	PASS
BLE_1M	Ant1	2480	1000~26500	-1.03	-50.72	≤-21.03	PASS

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

Test Graphs



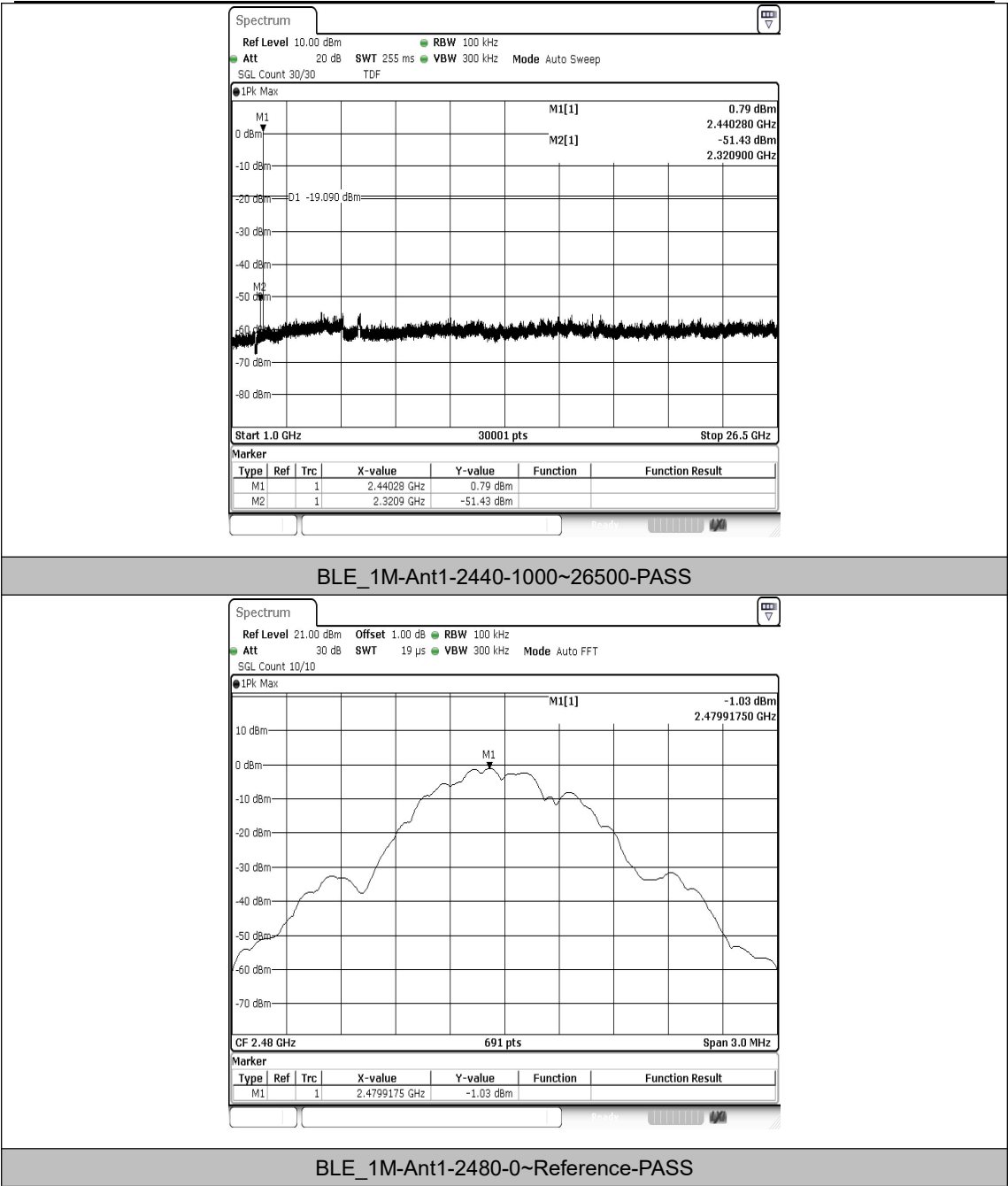




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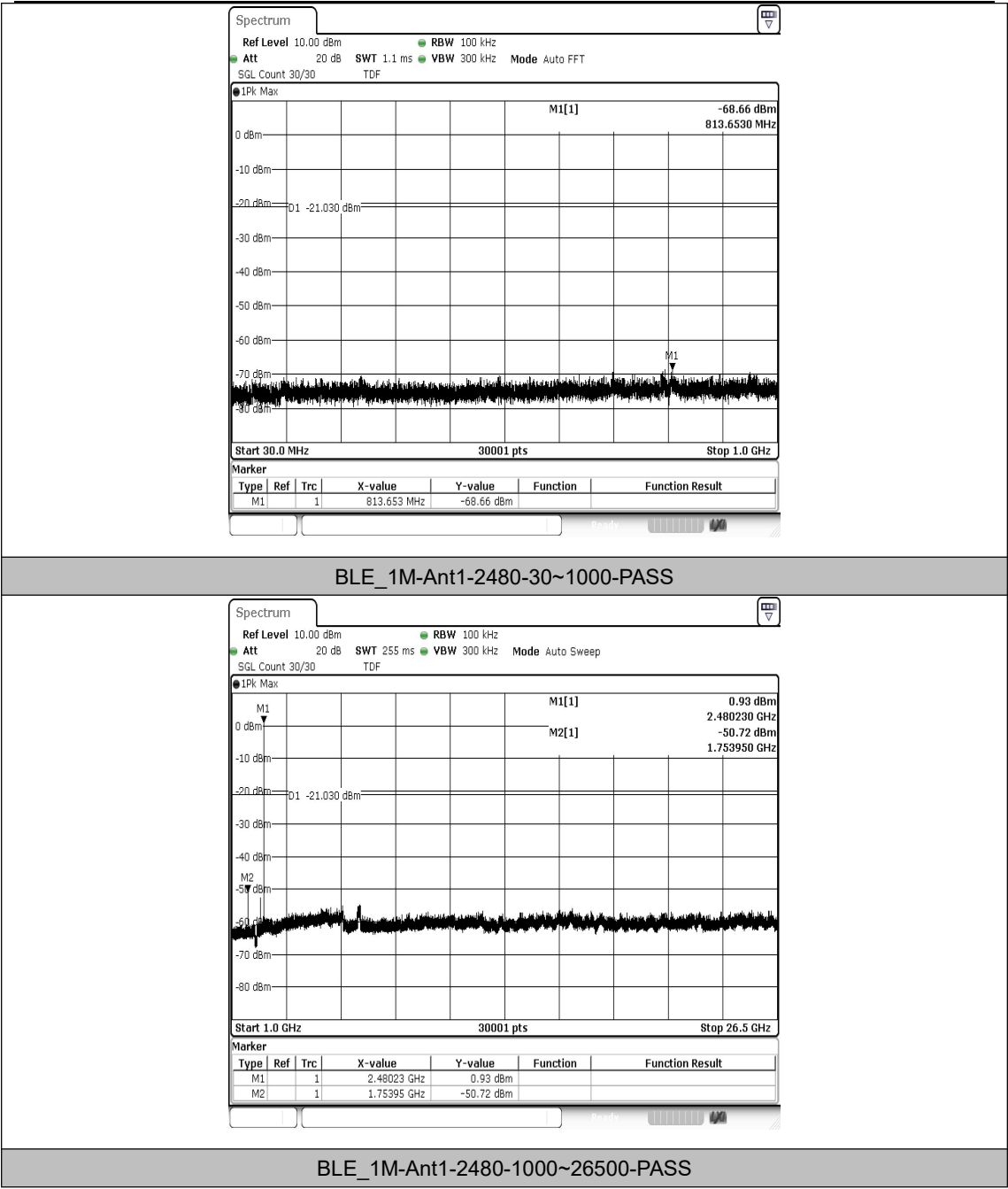
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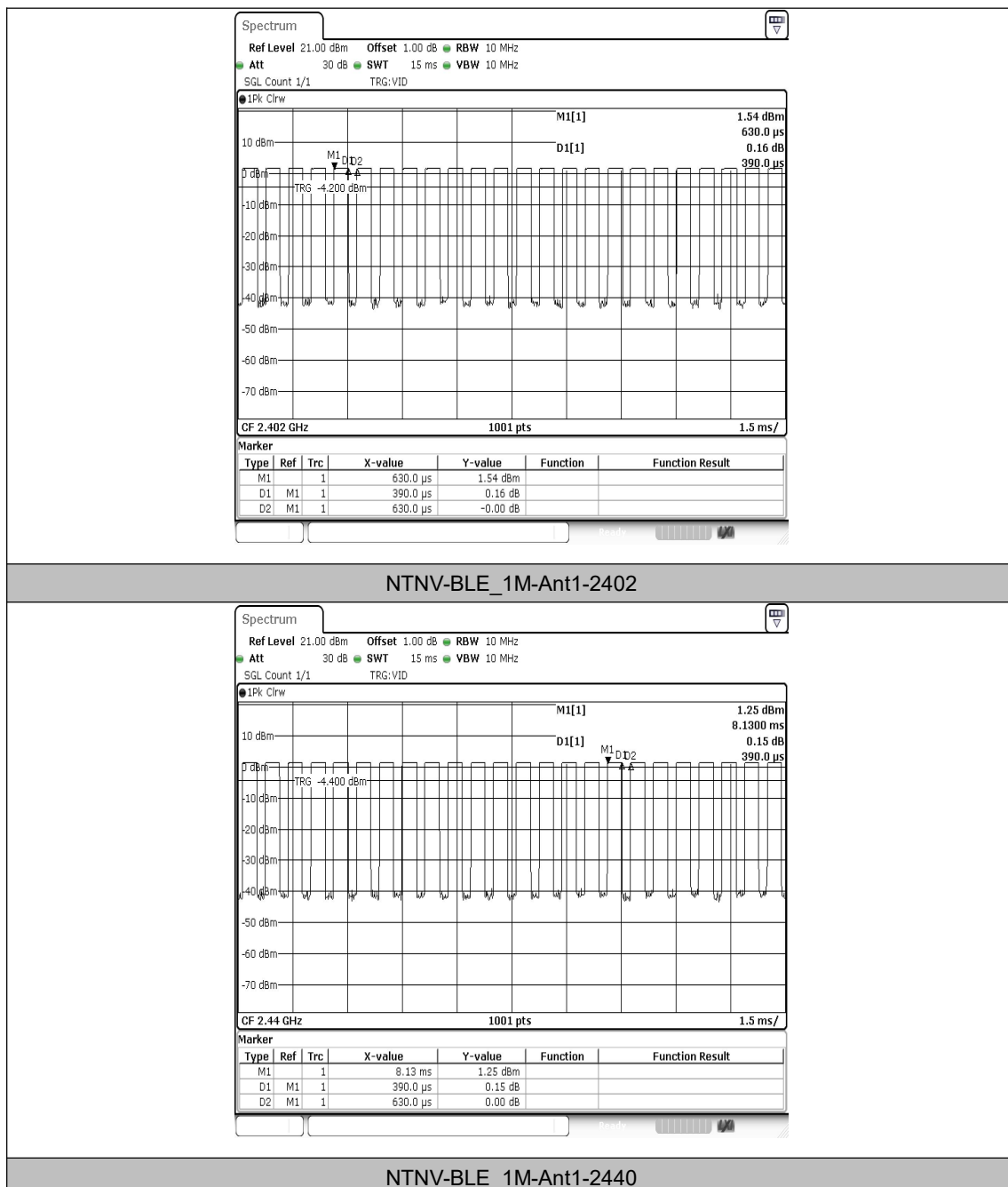
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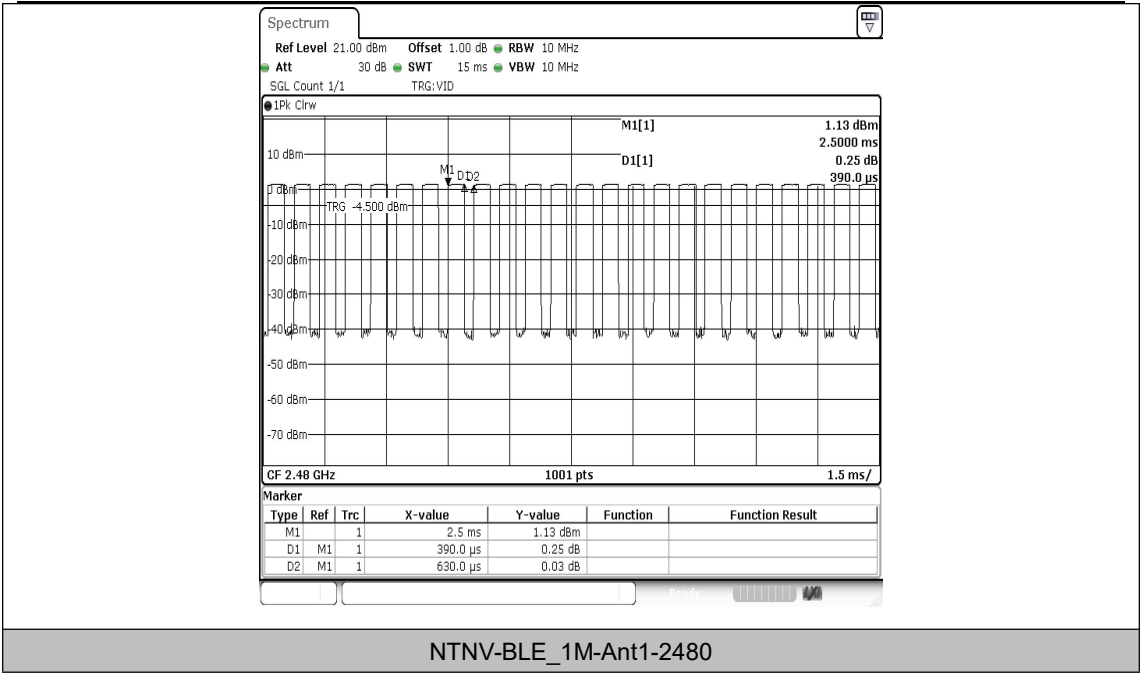
Appendix G: Duty Cycle

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	0.39	0.63	61.90	2.08
BLE_1M	Ant1	2480	0.39	0.63	61.90	2.08

Test Graphs





---End---