

Appendix Test Data

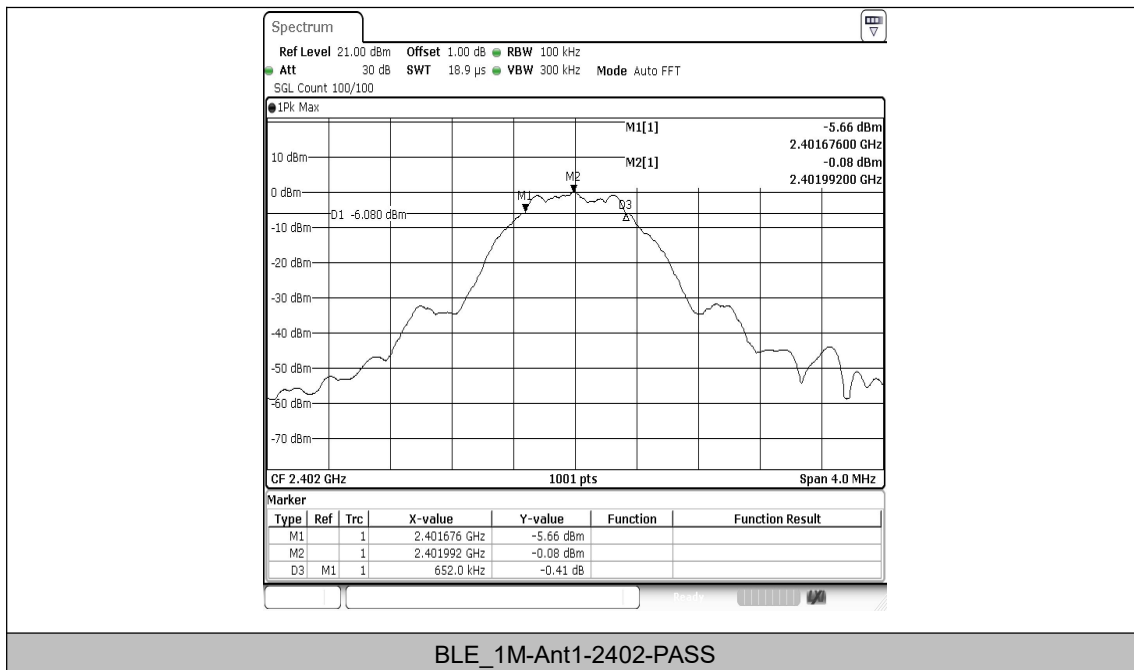
Report No.:	1812C50424312502	Test Sample No.:	1-2-2
Start Test Date:	2025-8-22	Finish Test Date:	2025-8-27
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25°C	Relative Humidity:	45%
Pressure:	101kPa		

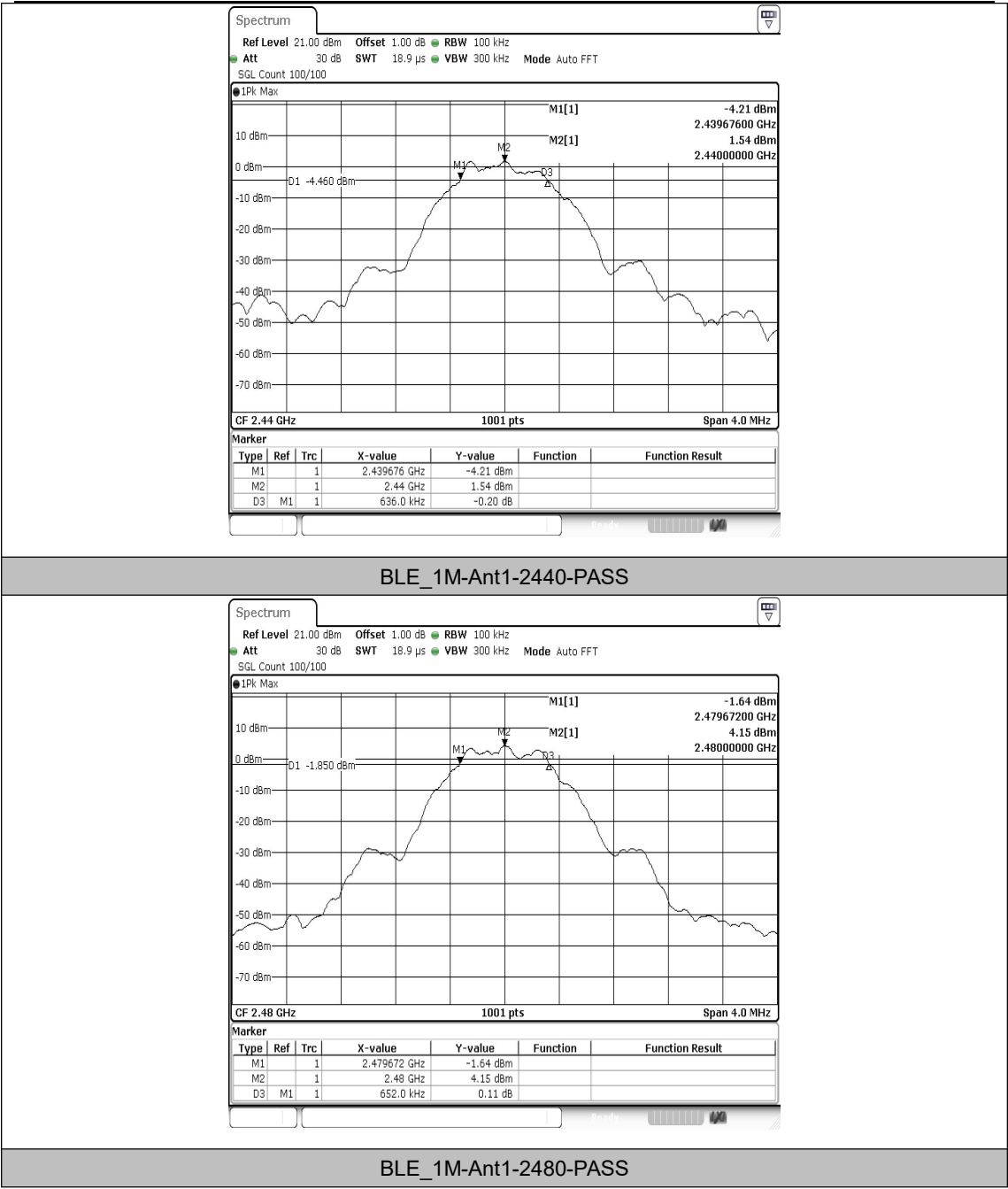
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.65	2401.68	2402.33	0.5	PASS
BLE_1M	Ant1	2440	0.64	2439.68	2440.31	0.5	PASS
BLE_1M	Ant1	2480	0.65	2479.67	2480.32	0.5	PASS

Test Graphs



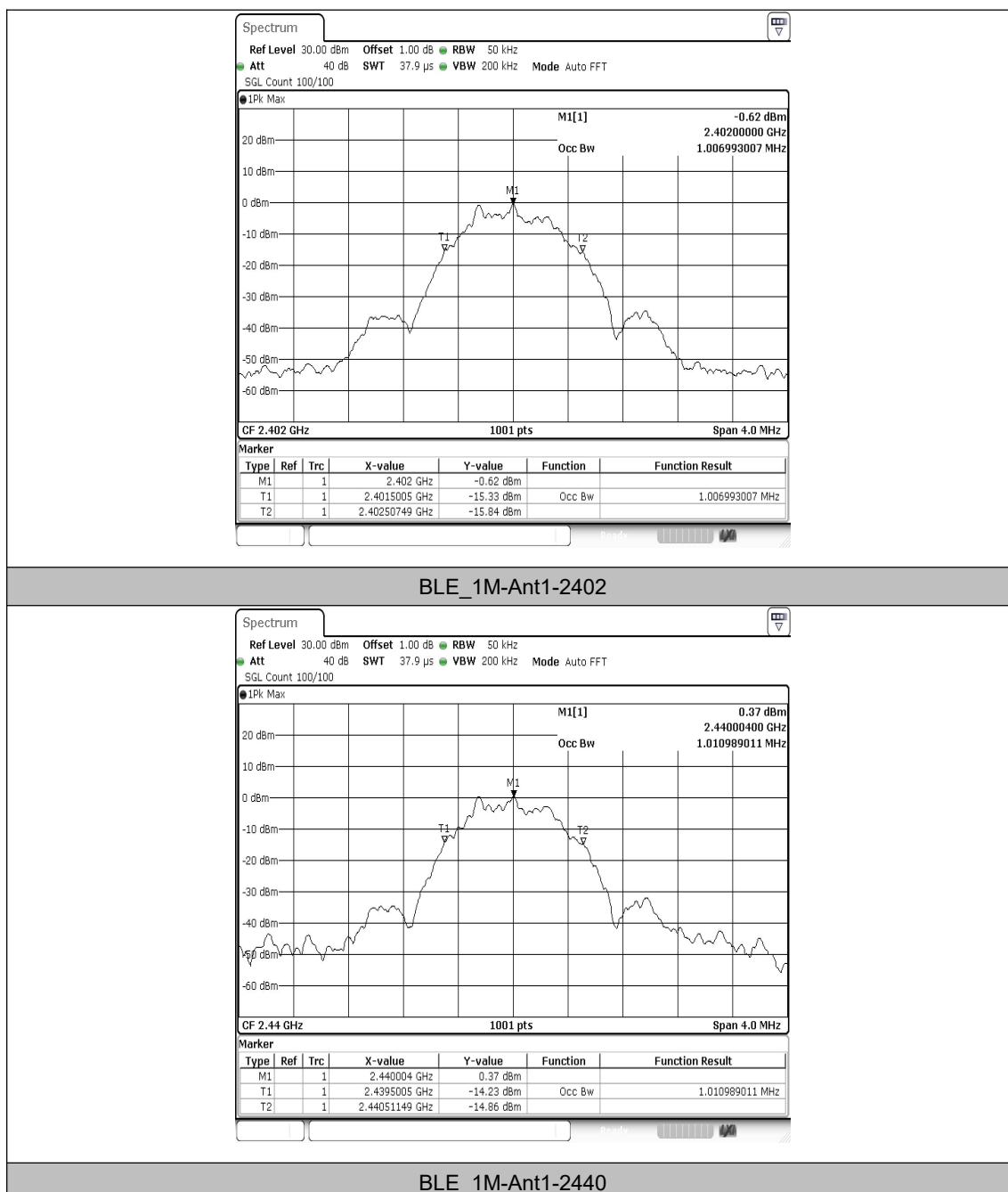


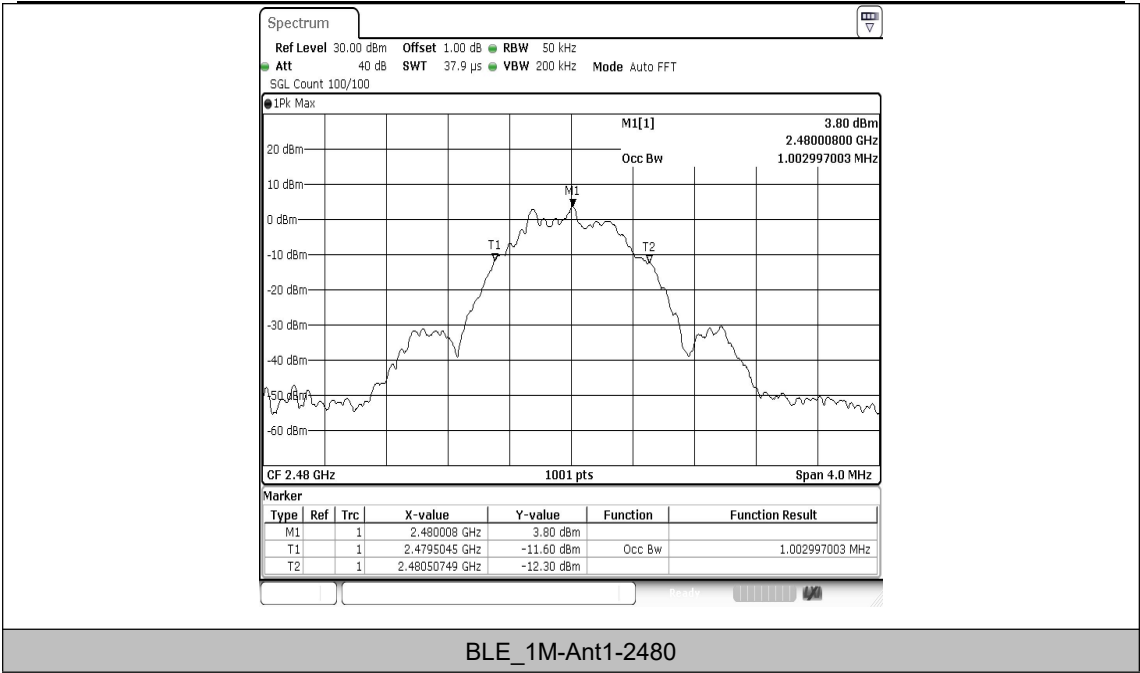
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0070	2401.5005	2402.5075	---	---
BLE_1M	Ant1	2440	1.0110	2439.5005	2440.5115	---	---
BLE_1M	Ant1	2480	1.0030	2479.5045	2480.5075	---	---

Test Graphs





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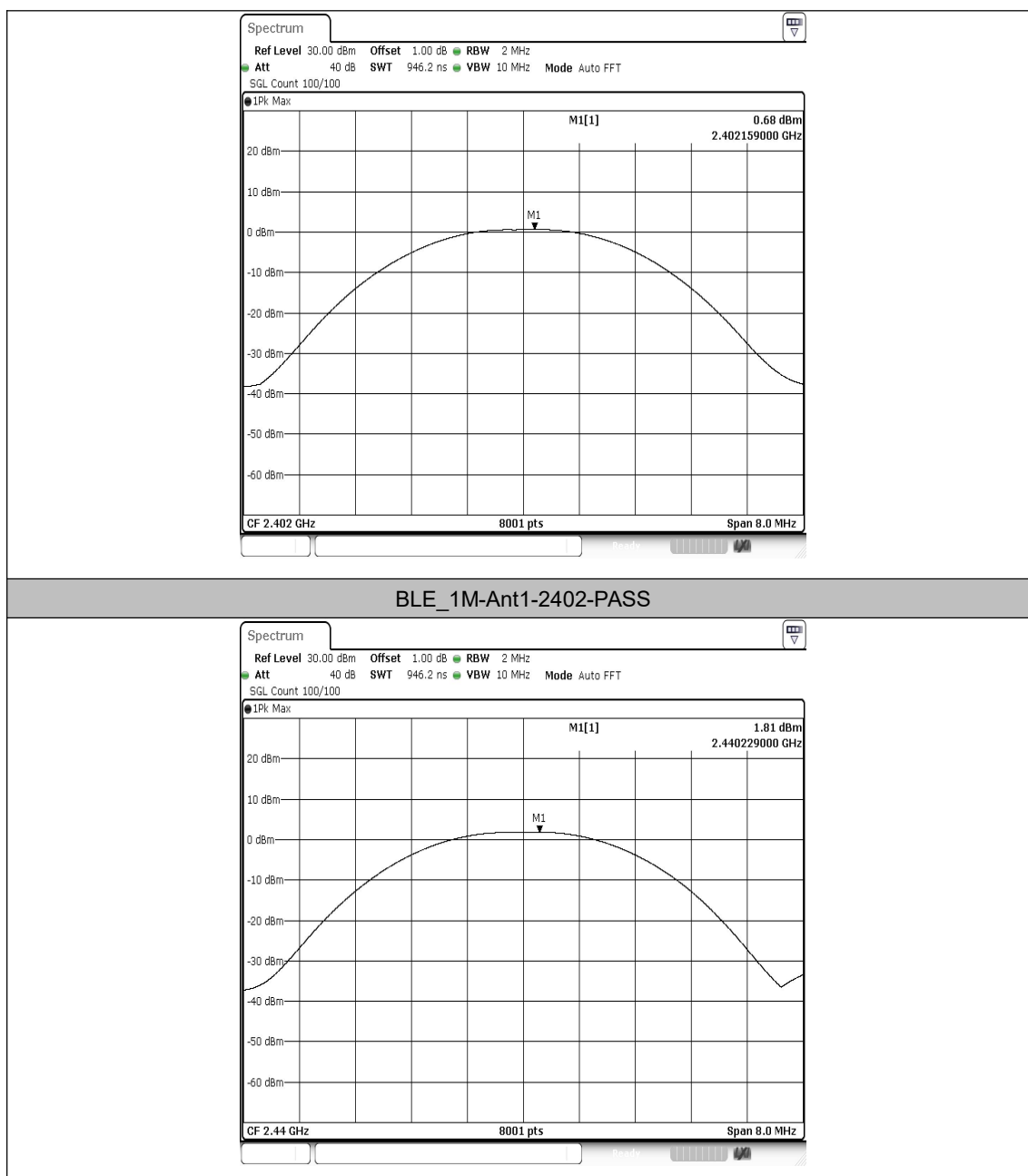
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.68	≤30	PASS
BLE_1M	Ant1	2440	1.81	≤30	PASS
BLE_1M	Ant1	2480	4.54	≤30	PASS

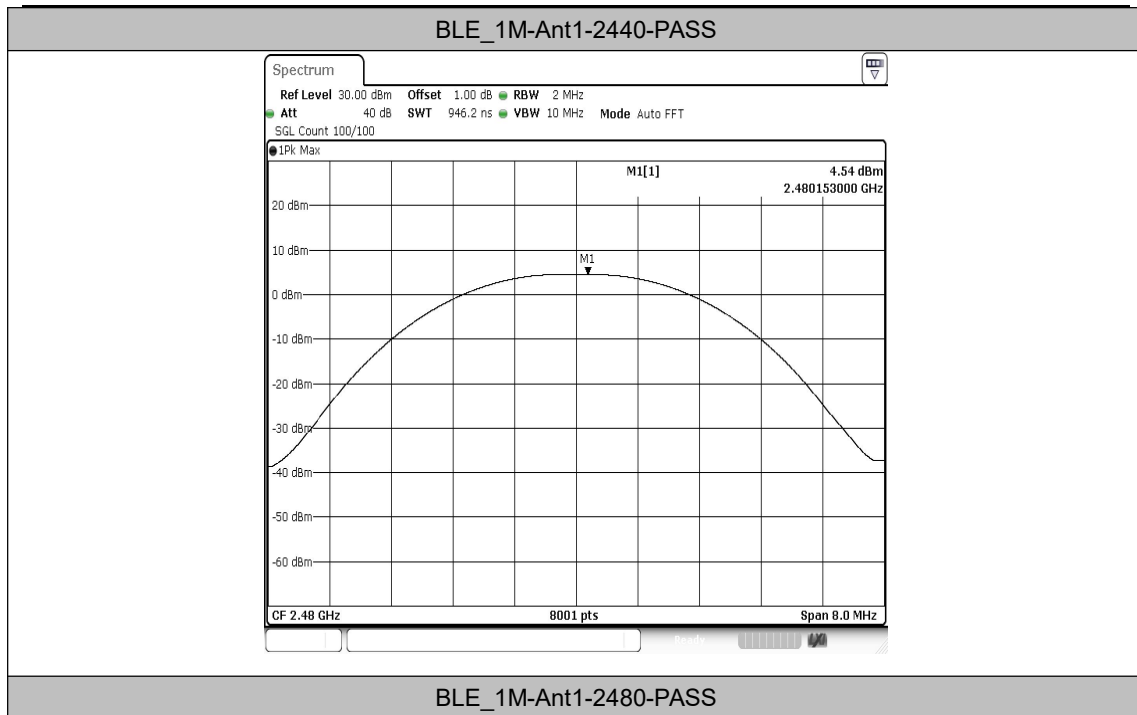
Test Graphs Peak



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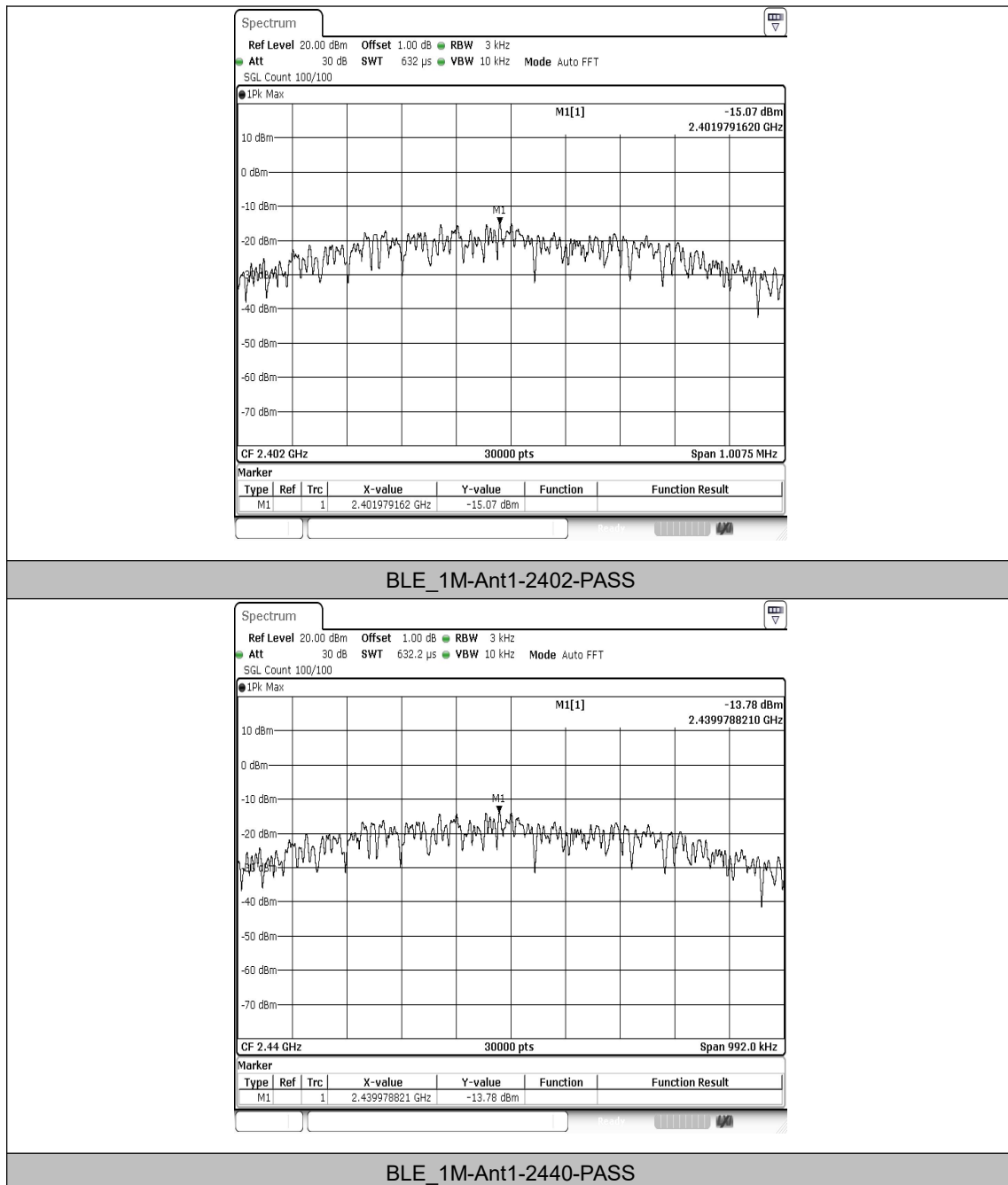
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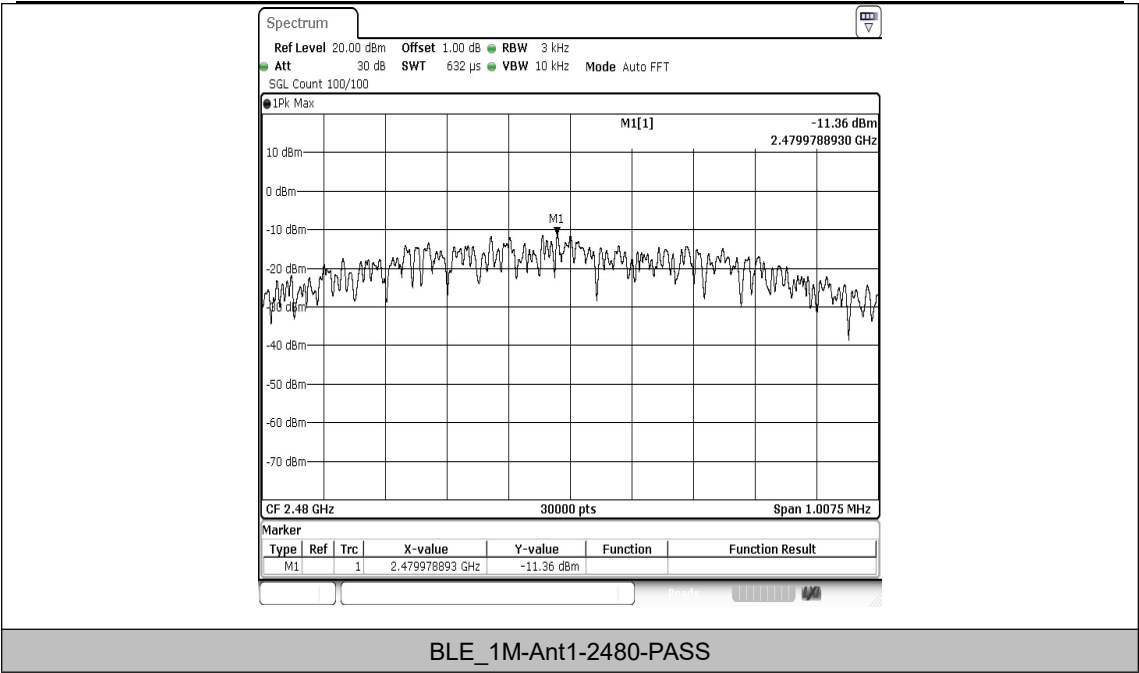
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.07	≤8.00	PASS
BLE_1M	Ant1	2440	-13.78	≤8.00	PASS
BLE_1M	Ant1	2480	-11.36	≤8.00	PASS

Test Graphs





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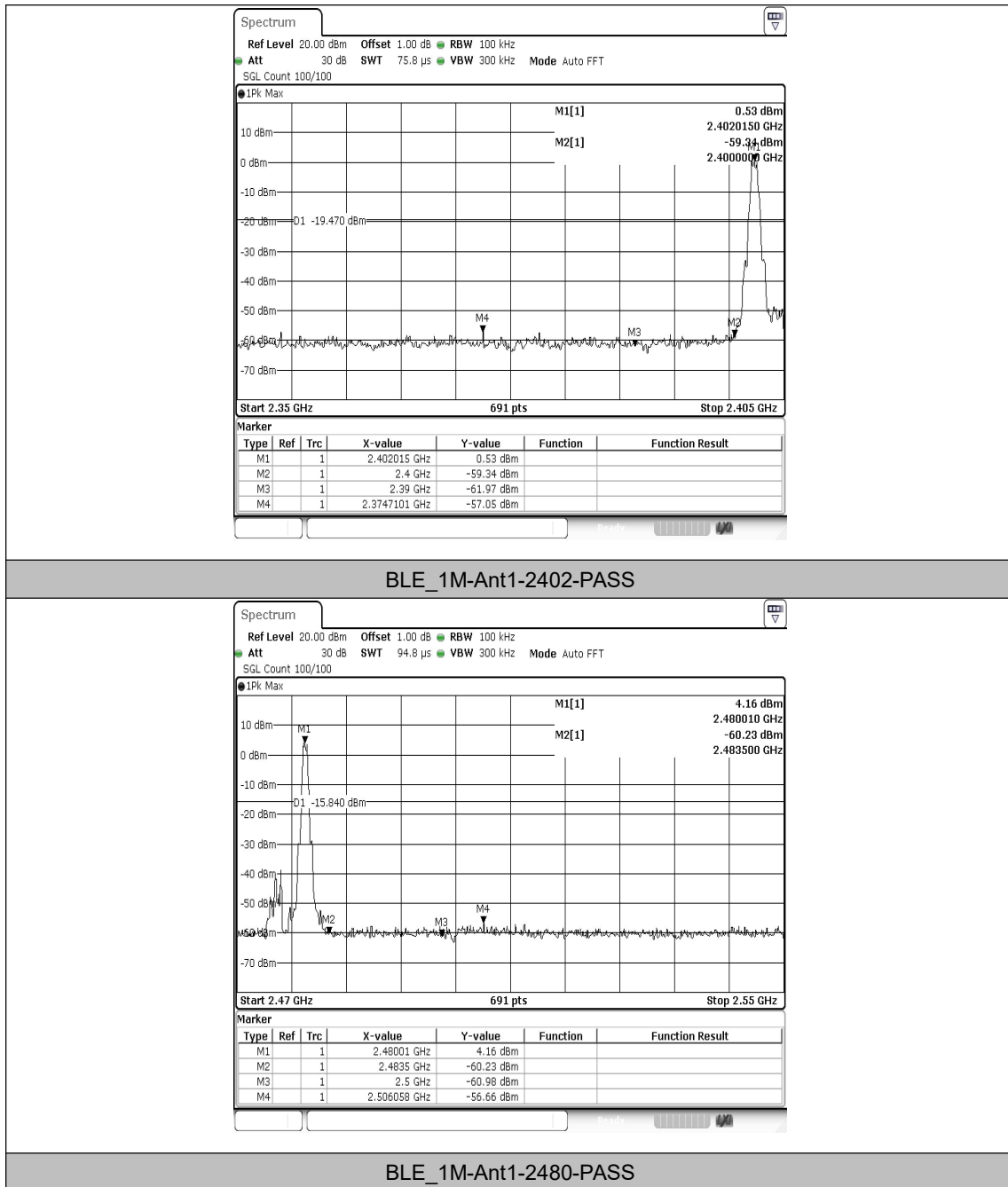
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.53	-57.05	≤-19.47	PASS
BLE_1M	Ant1	High	2480	4.16	-56.66	≤-15.84	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



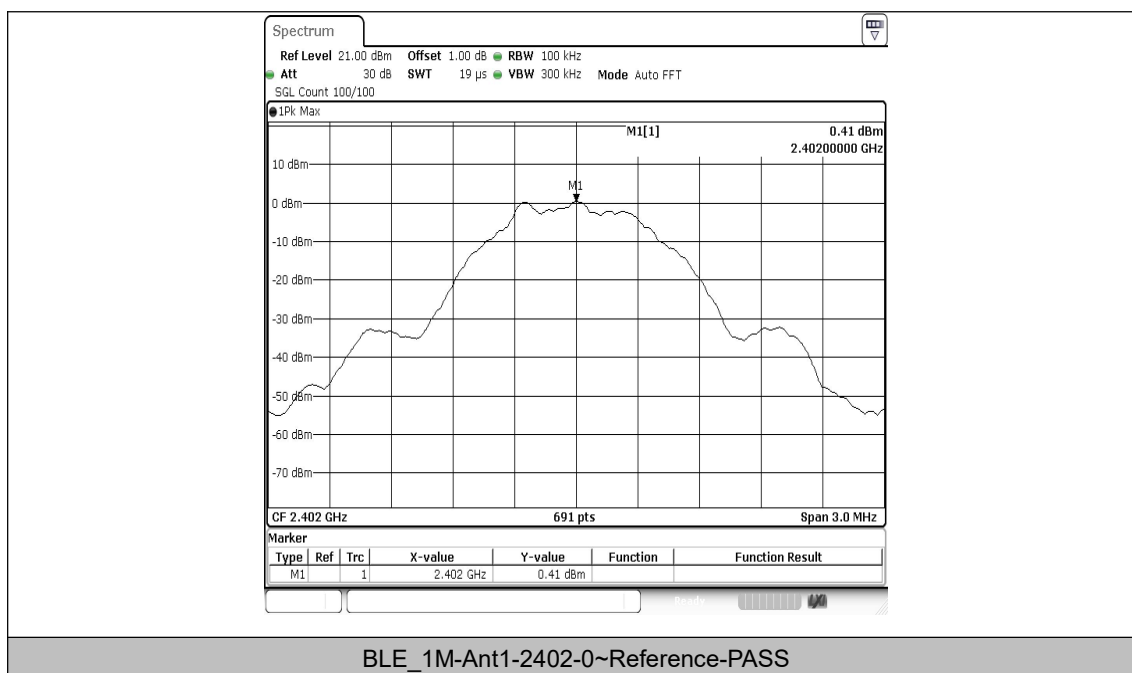
Appendix F: Conducted Spurious Emission

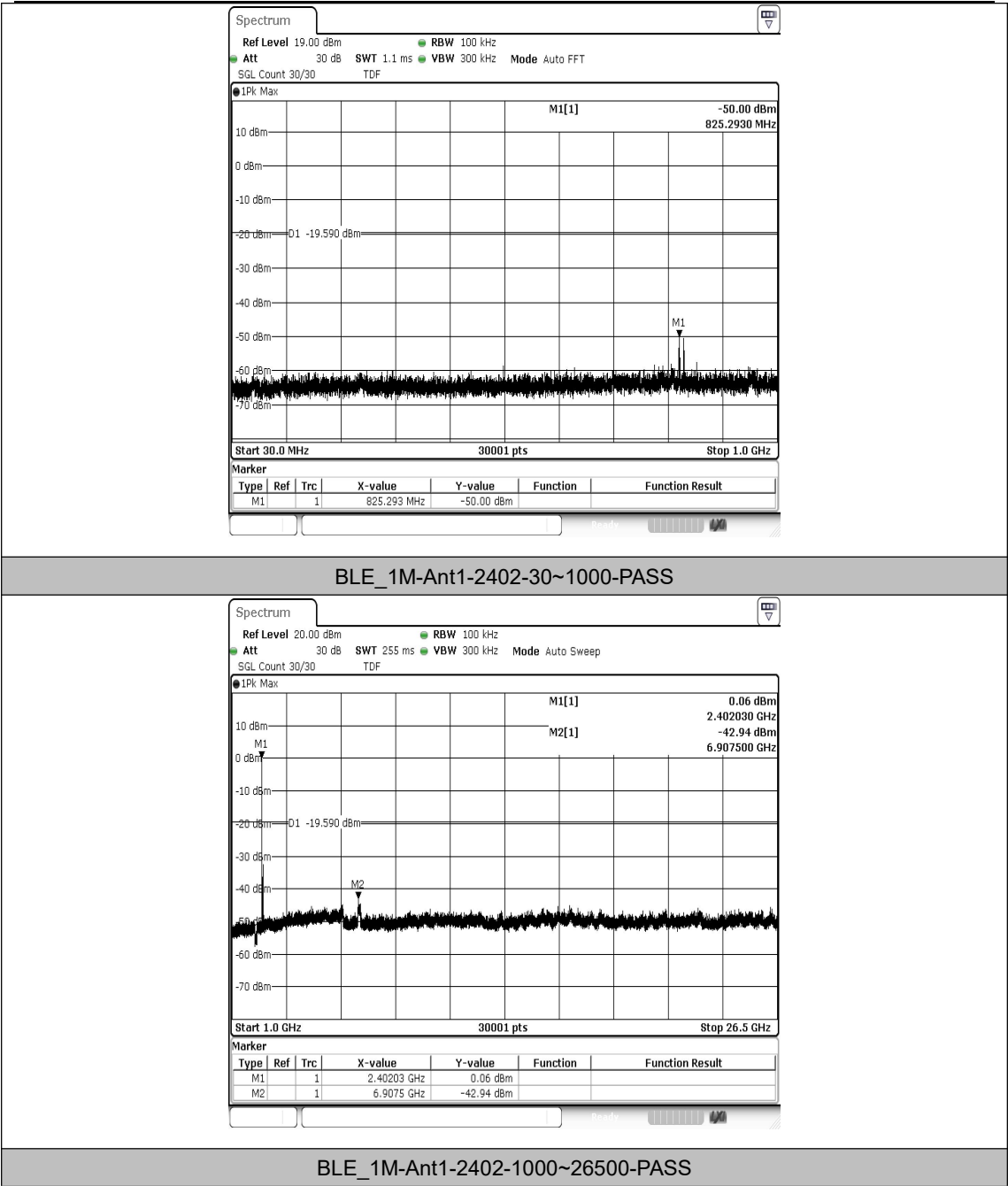
Test Result

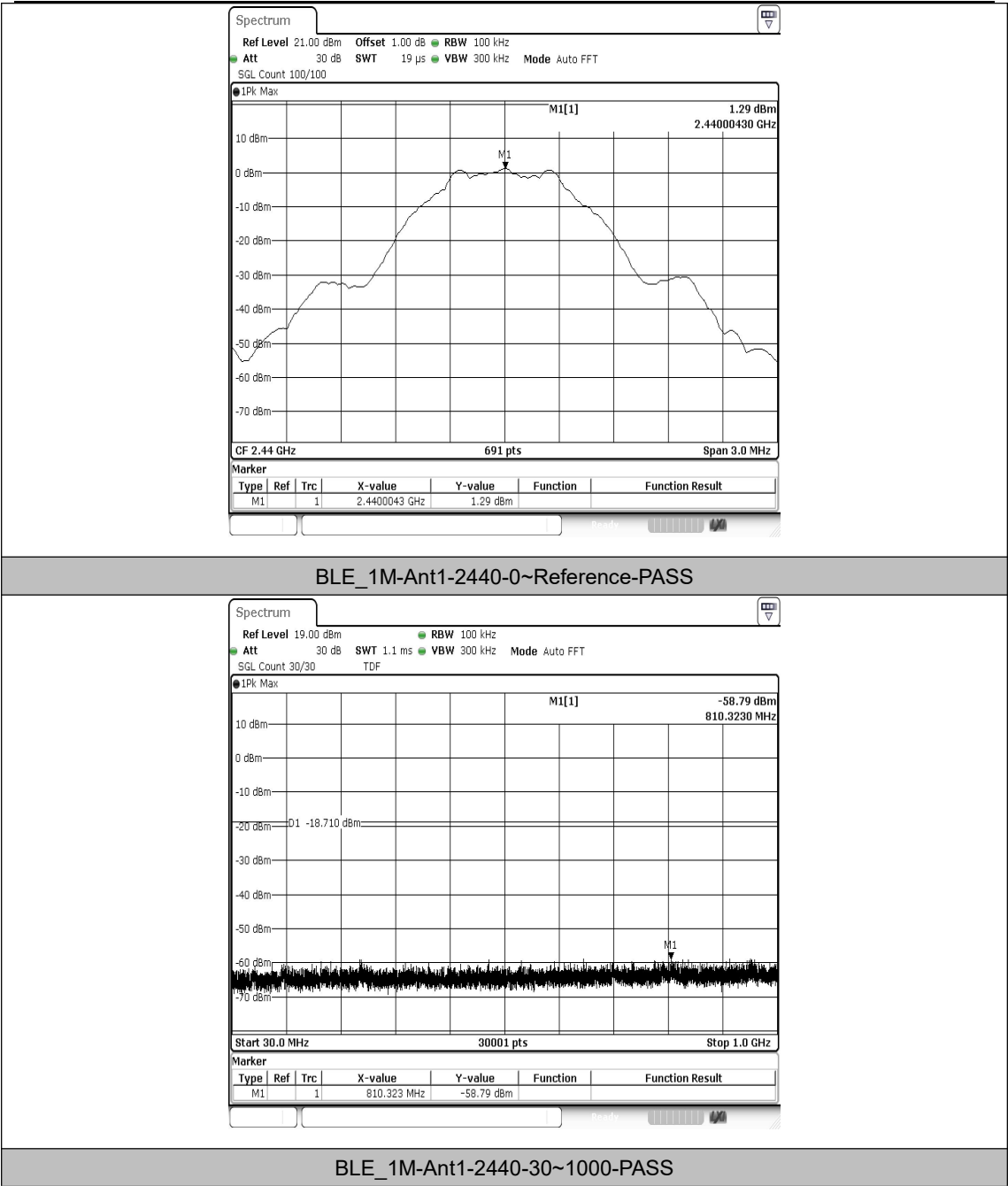
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	0.41	0.41	---	PASS
BLE_1M	Ant1	2402	30~1000	0.41	-50	≤-19.59	PASS
BLE_1M	Ant1	2402	1000~26500	0.41	-42.94	≤-19.59	PASS
BLE_1M	Ant1	2440	0~Reference	1.29	1.29	---	PASS
BLE_1M	Ant1	2440	30~1000	1.29	-58.79	≤-18.71	PASS
BLE_1M	Ant1	2440	1000~26500	1.29	-43.4	≤-18.71	PASS
BLE_1M	Ant1	2480	0~Reference	4.11	4.11	---	PASS
BLE_1M	Ant1	2480	30~1000	4.11	-58.16	≤-15.89	PASS
BLE_1M	Ant1	2480	1000~26500	4.11	-27.44	≤-15.89	PASS

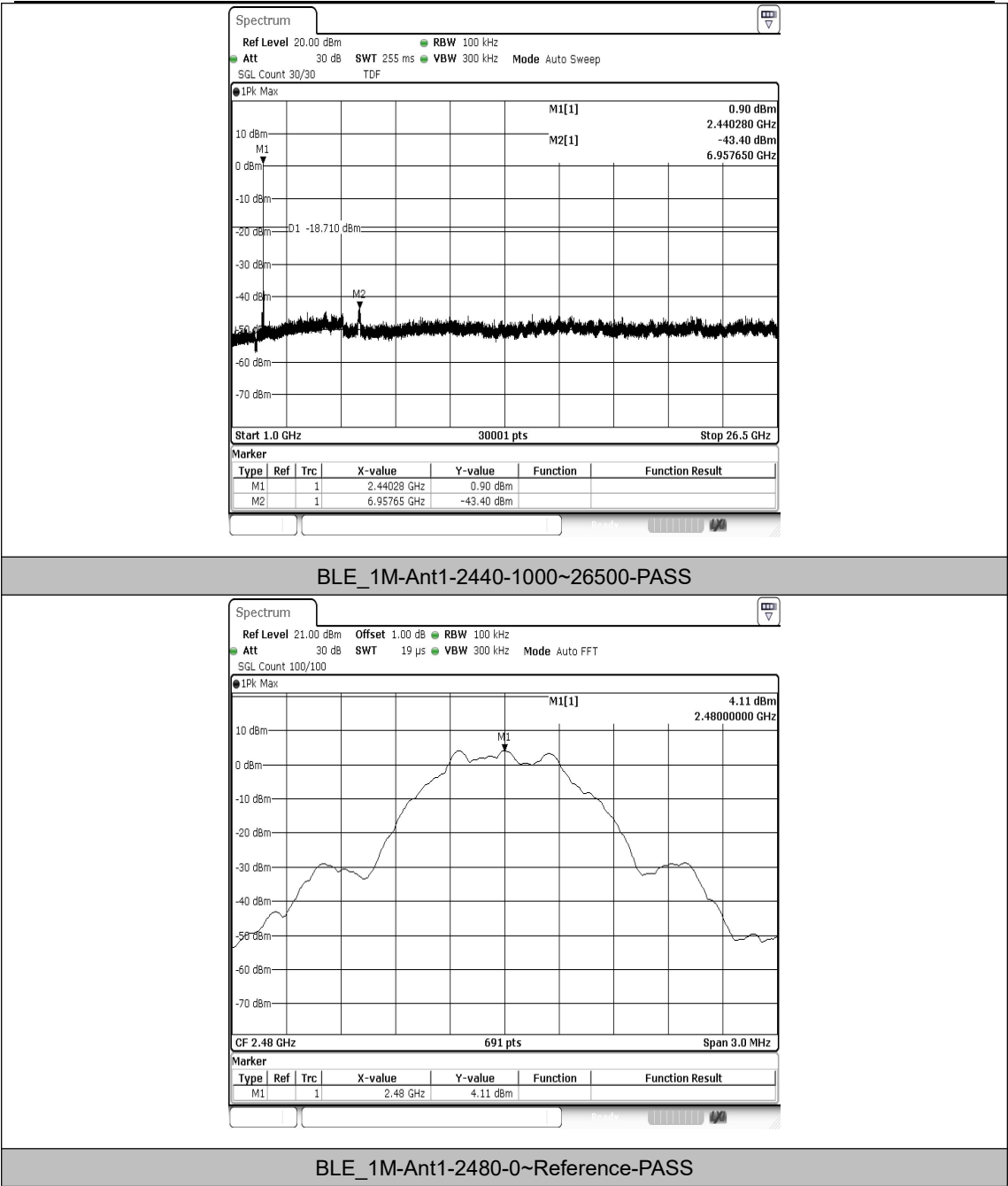
Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'TDF' of the Spectrum Analyzer during the test.

Test Graphs





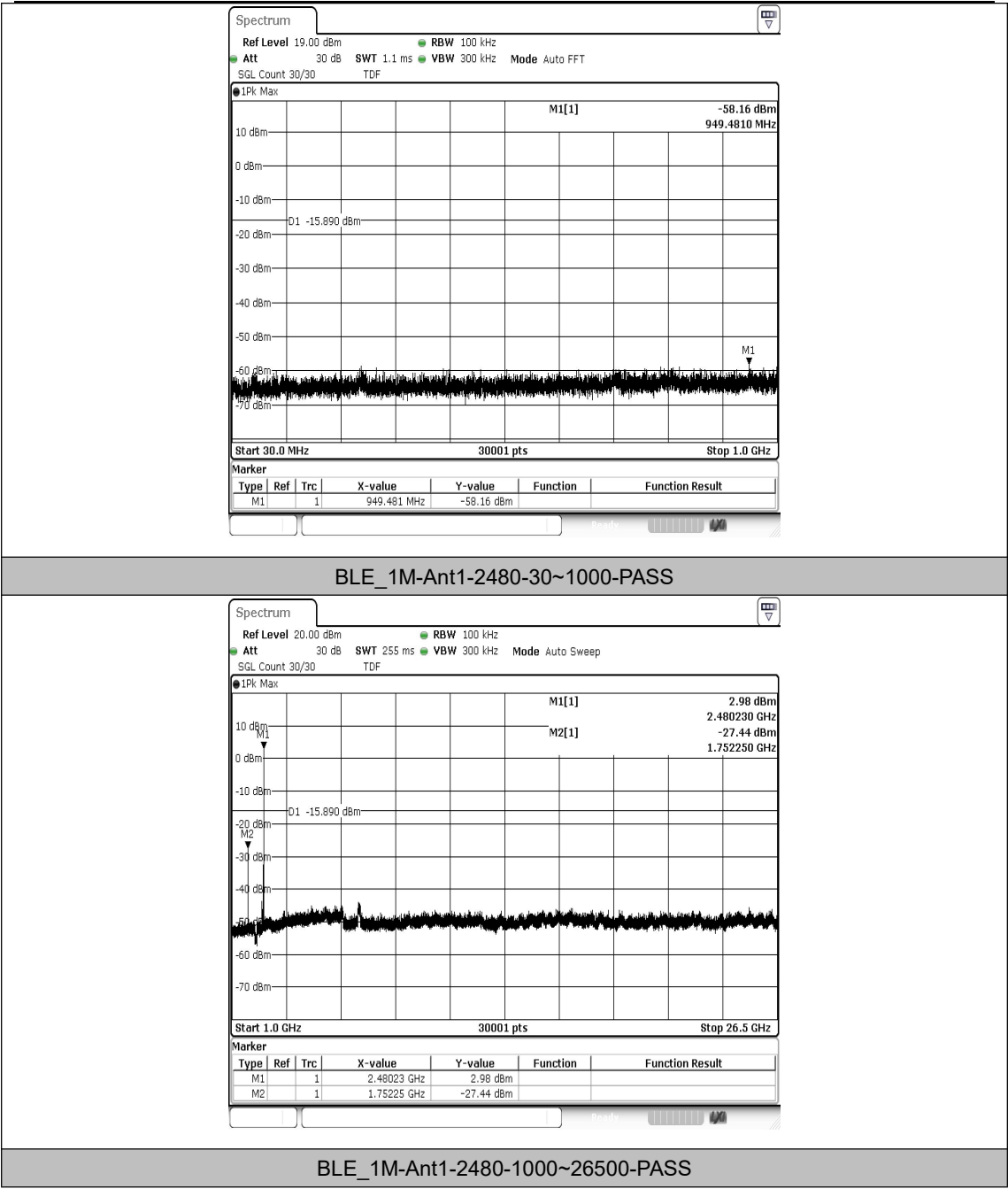




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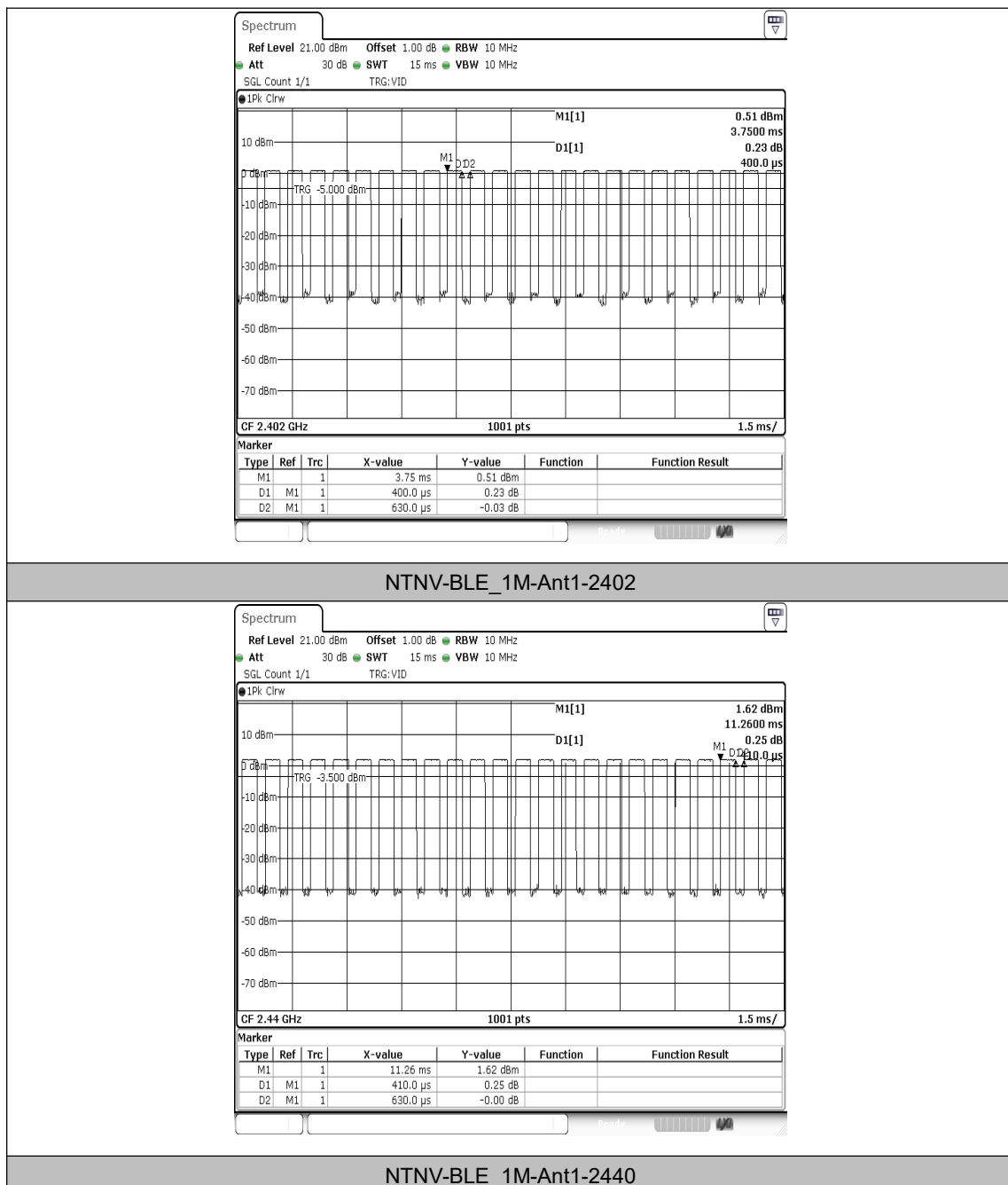
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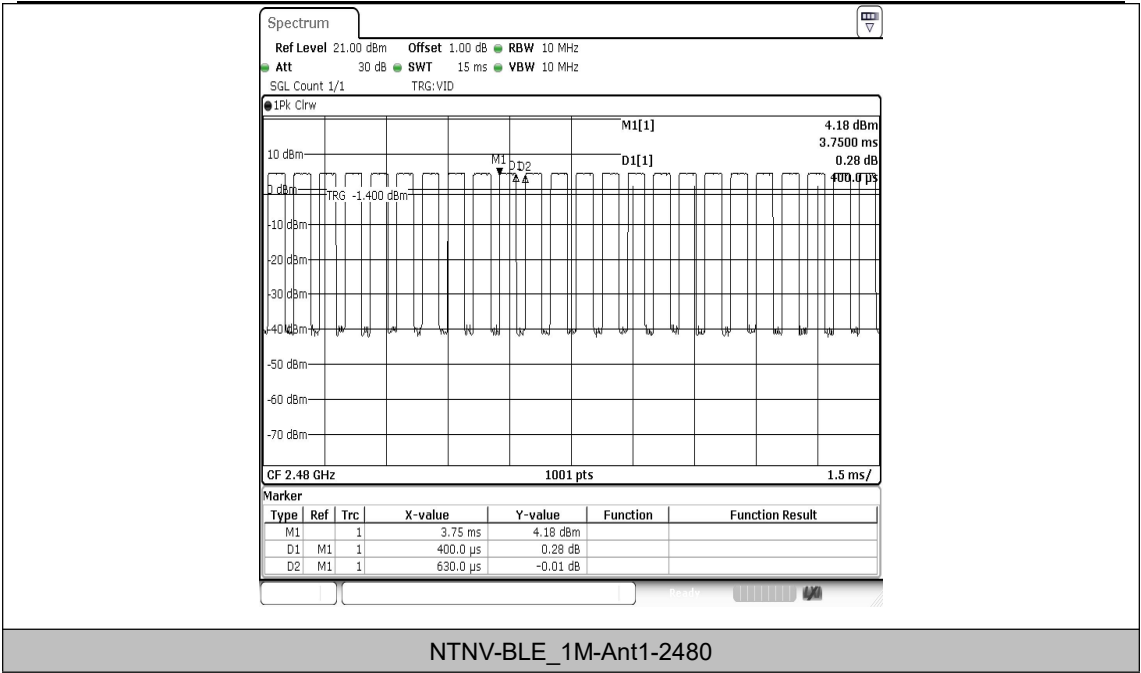
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.40	0.63	63.49	1.97
BLE_1M	Ant1	2440	0.41	0.63	65.08	1.87
BLE_1M	Ant1	2480	0.40	0.63	63.49	1.97

Test Graphs





---End---