

Appendix Test Data

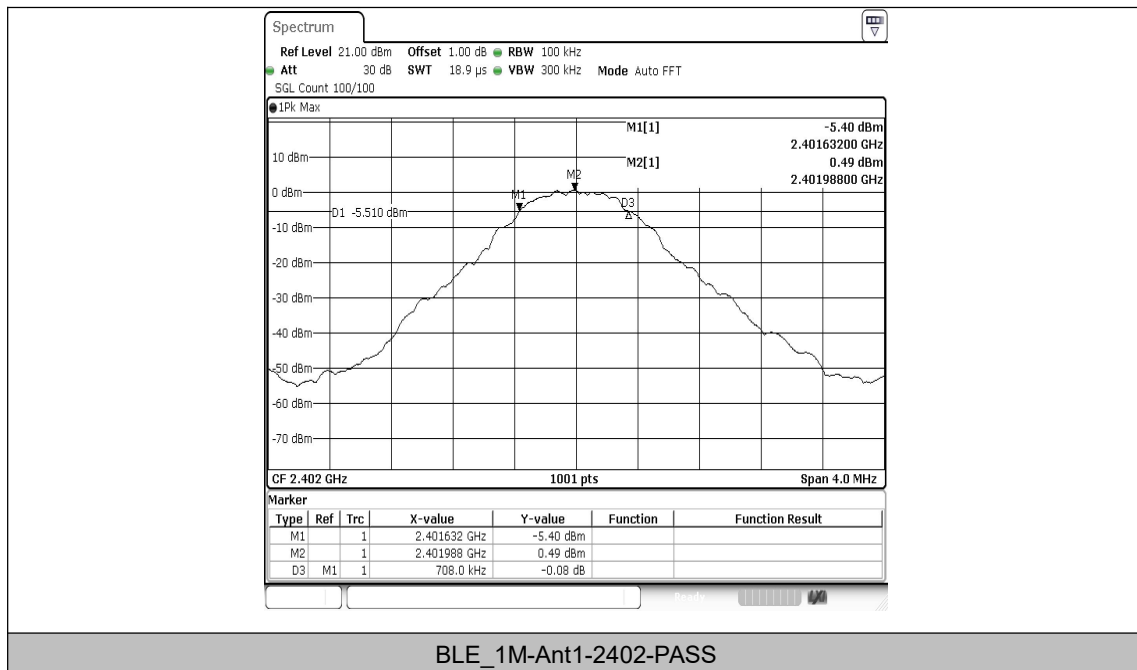
Report No.:	1812C50257612501	Test Sample No.:	1-2-2
Start Test Date:	2025-7-7	Finish Test Date:	2025-7-9
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	26.9°C	Relative Humidity:	47%
Pressure:	101kPa		

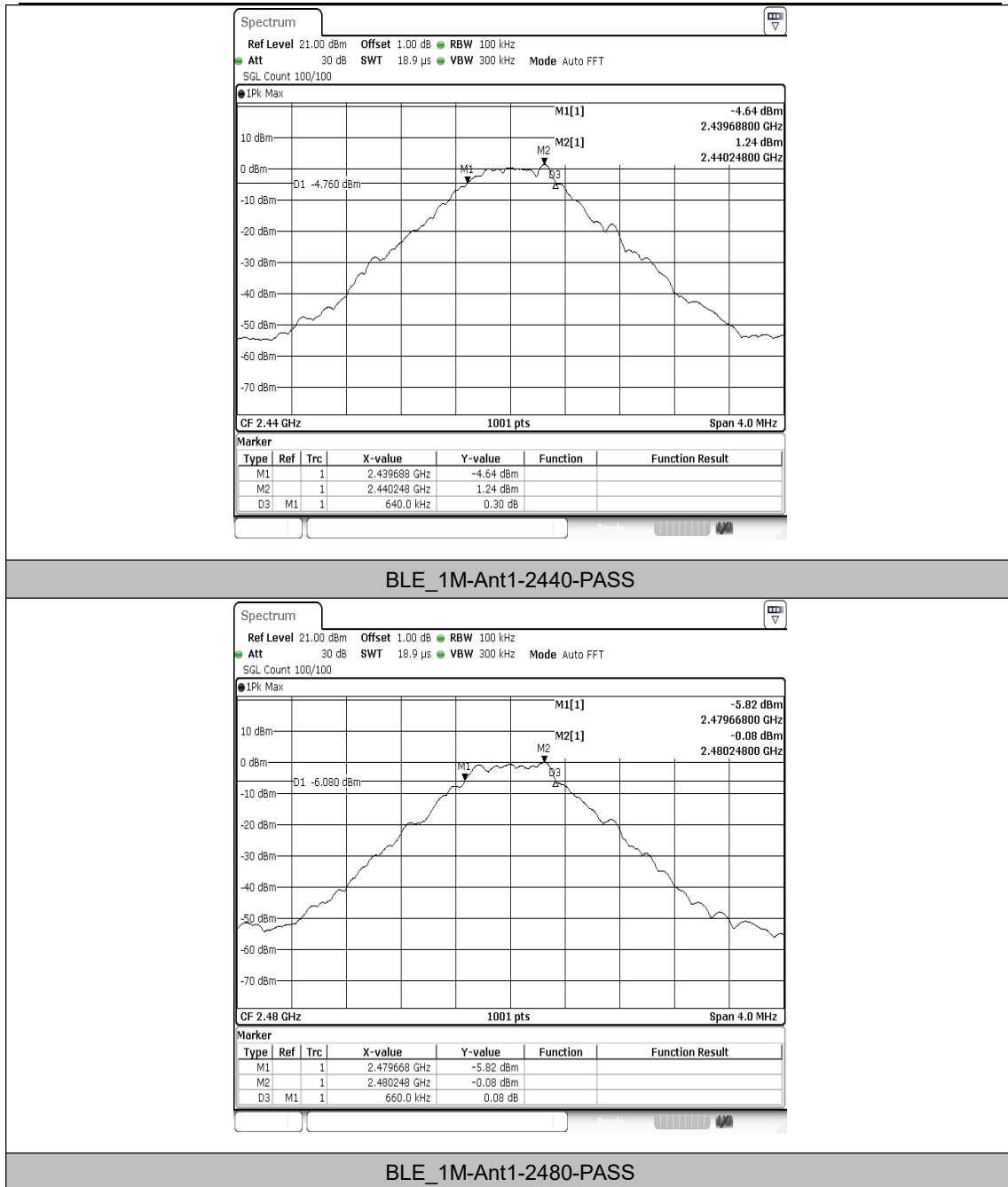
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.71	2401.63	2402.34	0.5	PASS
BLE_1M	Ant1	2440	0.64	2439.69	2440.33	0.5	PASS
BLE_1M	Ant1	2480	0.66	2479.67	2480.33	0.5	PASS

Test Graphs



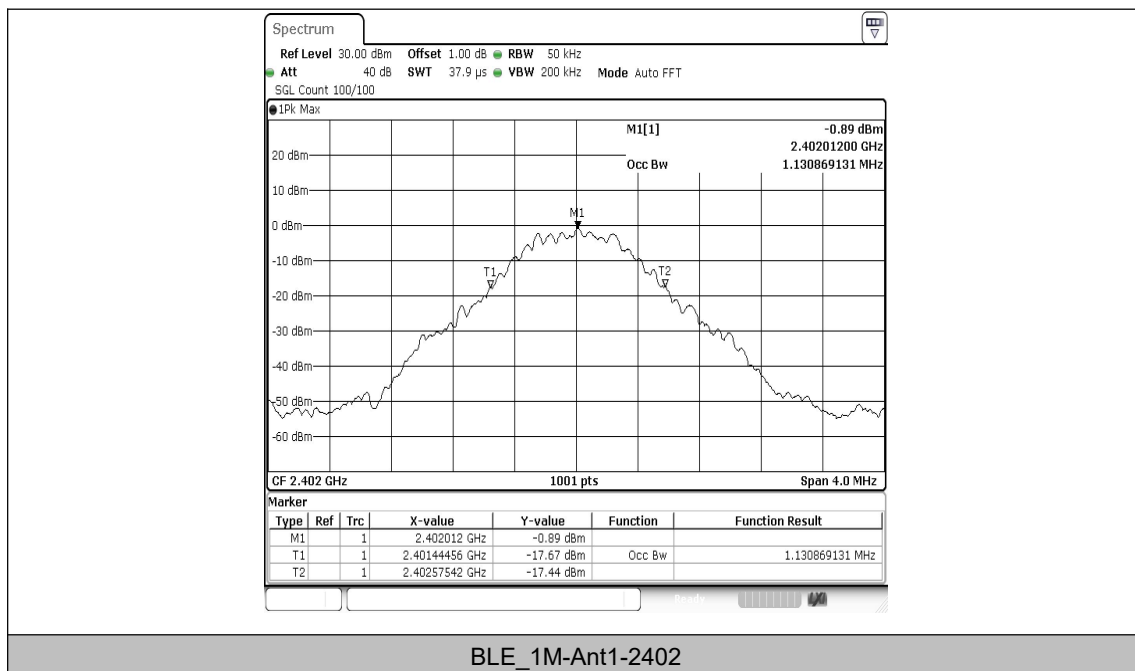


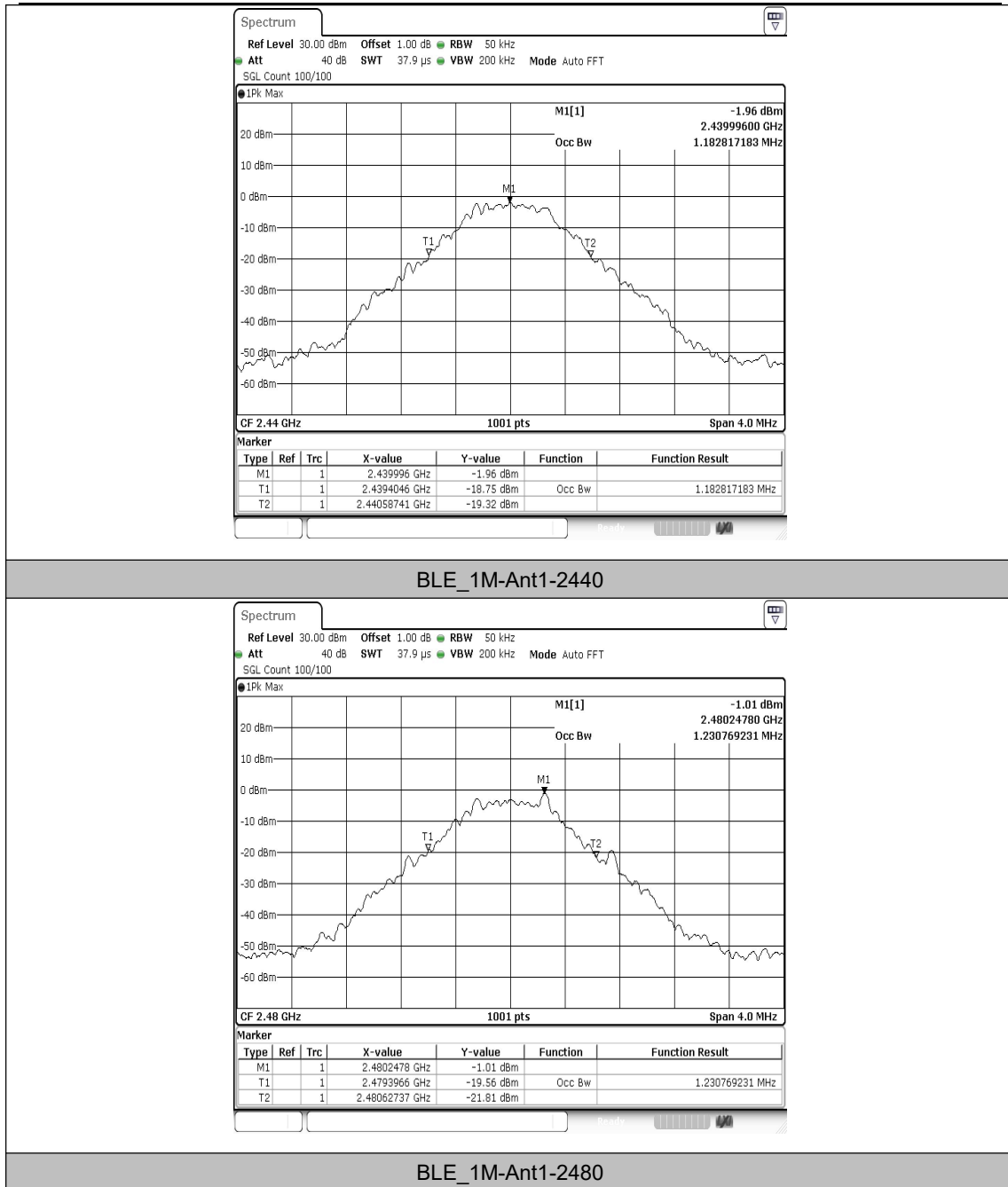
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.1309	2401.4446	2402.5754	---	---
BLE_1M	Ant1	2440	1.1828	2439.4046	2440.5874	---	---
BLE_1M	Ant1	2480	1.2308	2479.3966	2480.6274	---	---

Test Graphs



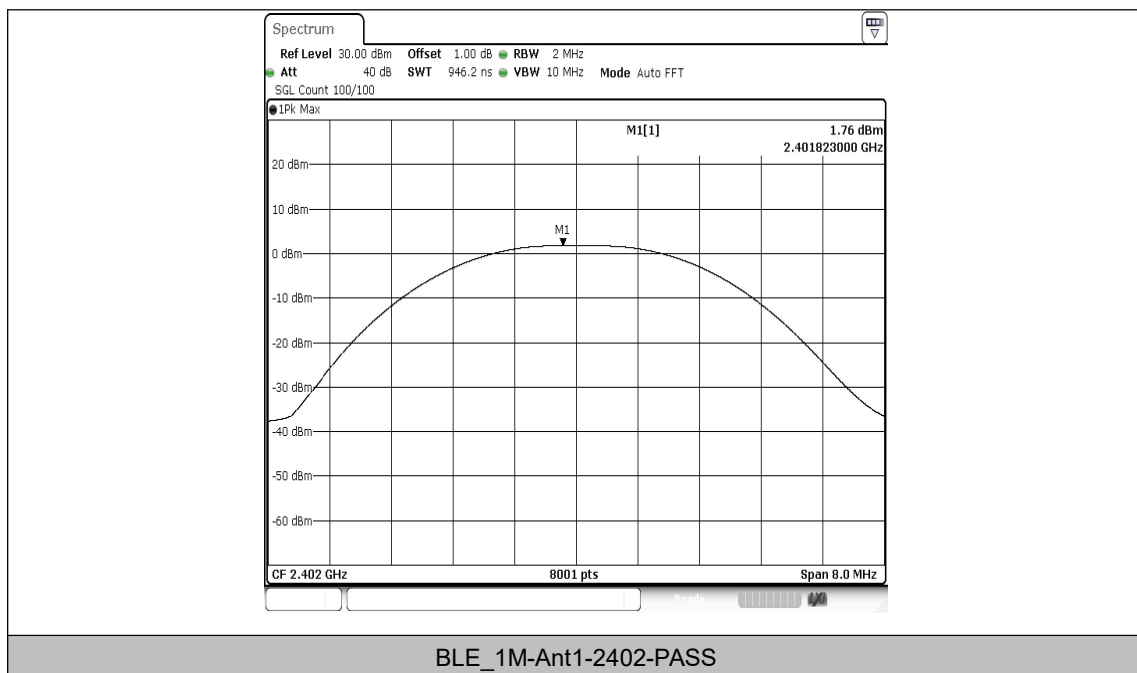


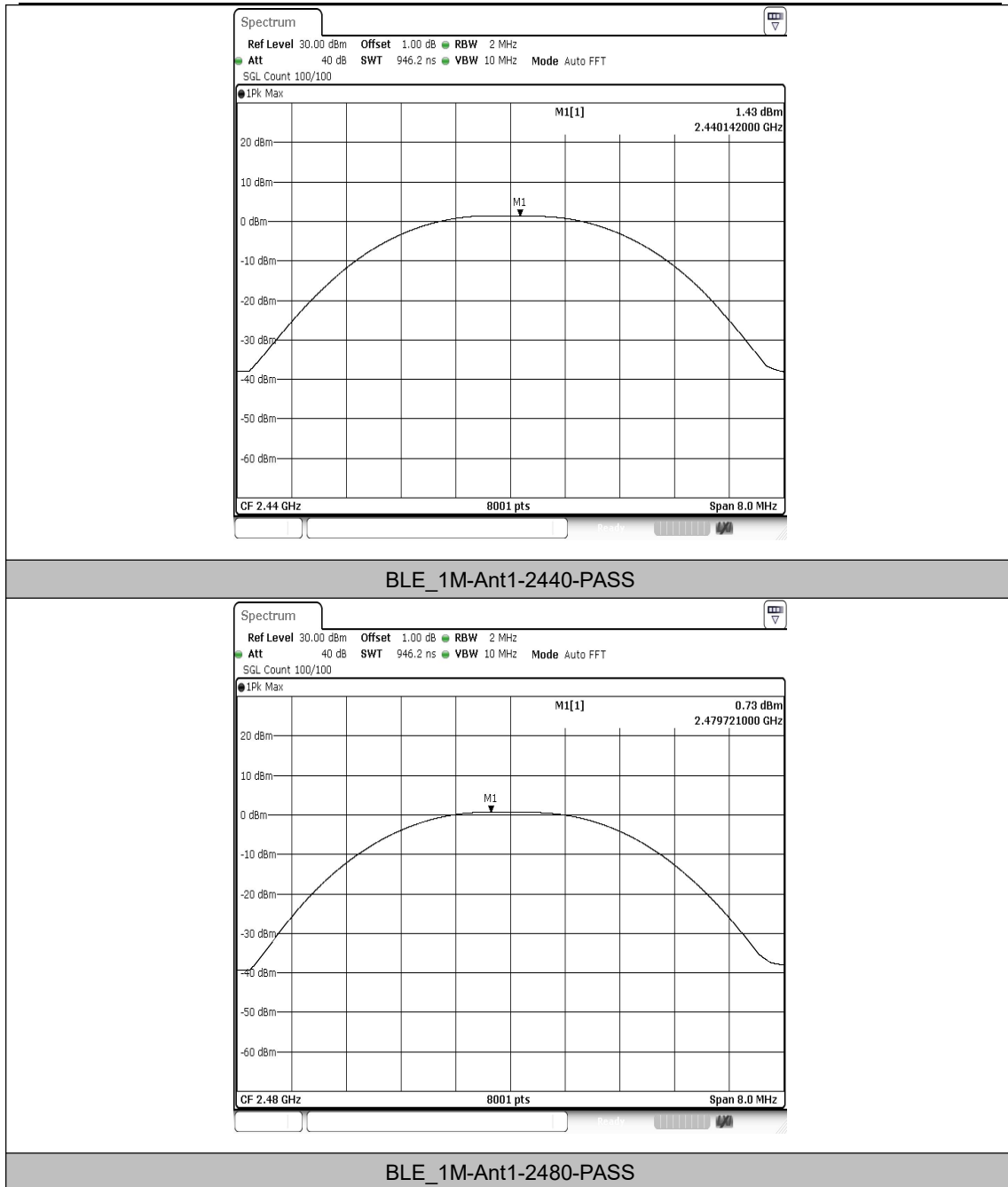
Appendix C: Maximum conducted output power

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	1.43	≤30	PASS
BLE_1M	Ant1	2480	0.73	≤30	PASS

Test Graphs Peak





Shenzhen Anbotek Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel:(86)0755-26066440 Email:service@anbotek.com

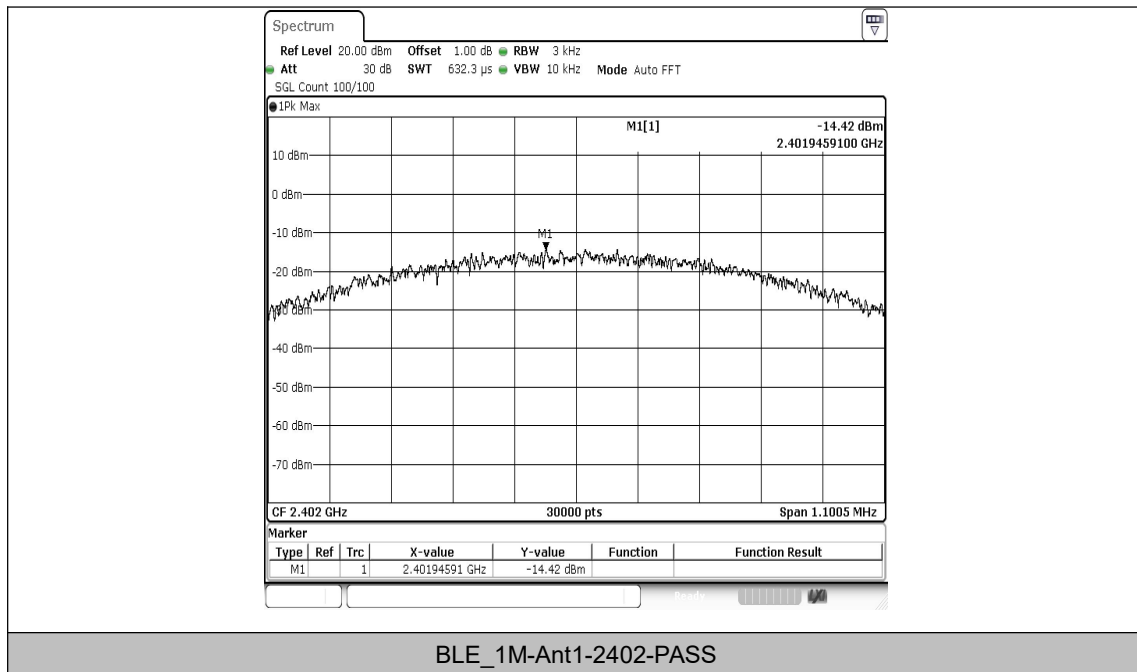
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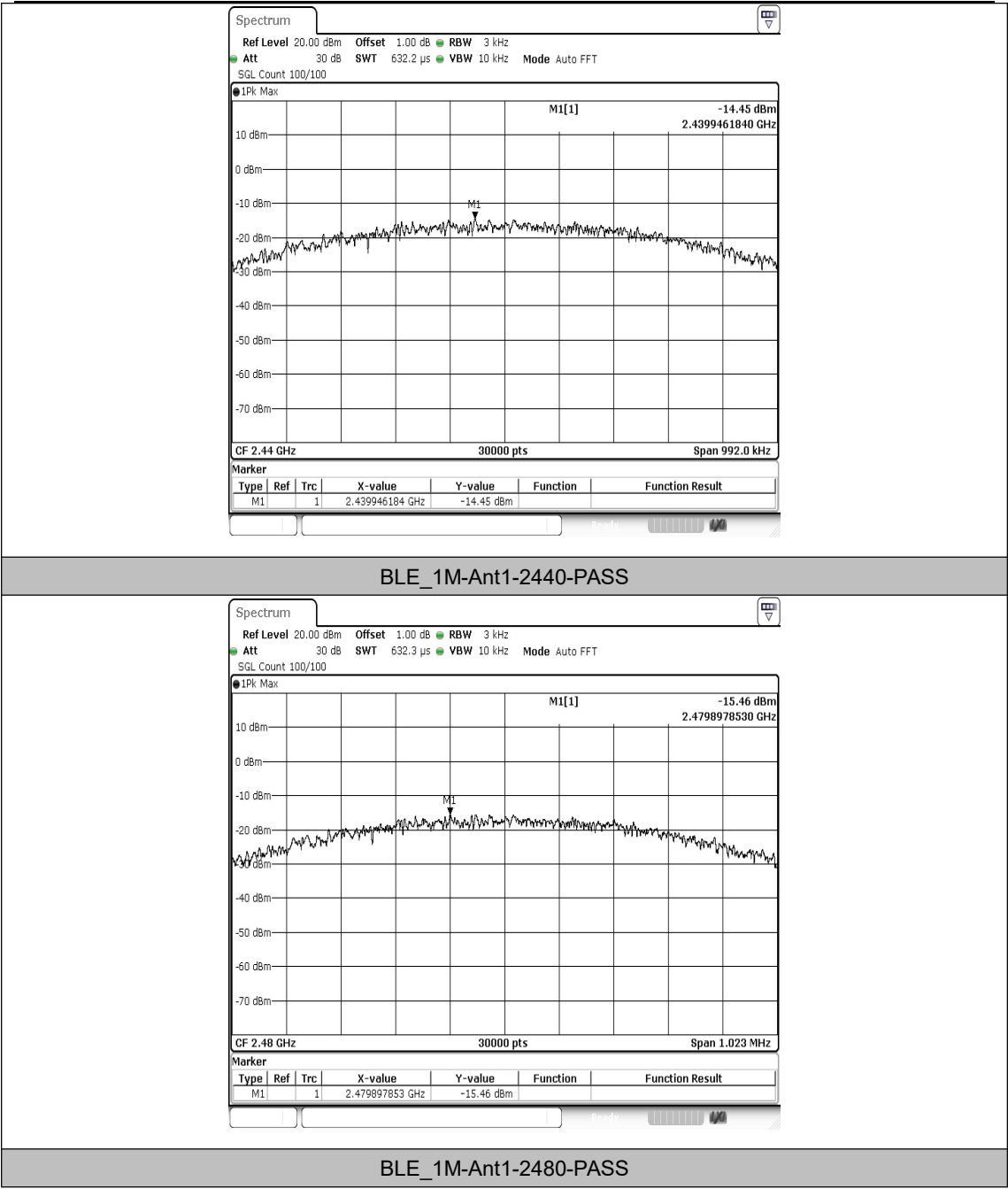
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.42	≤8.00	PASS
BLE_1M	Ant1	2440	-14.45	≤8.00	PASS
BLE_1M	Ant1	2480	-15.46	≤8.00	PASS

Test Graphs





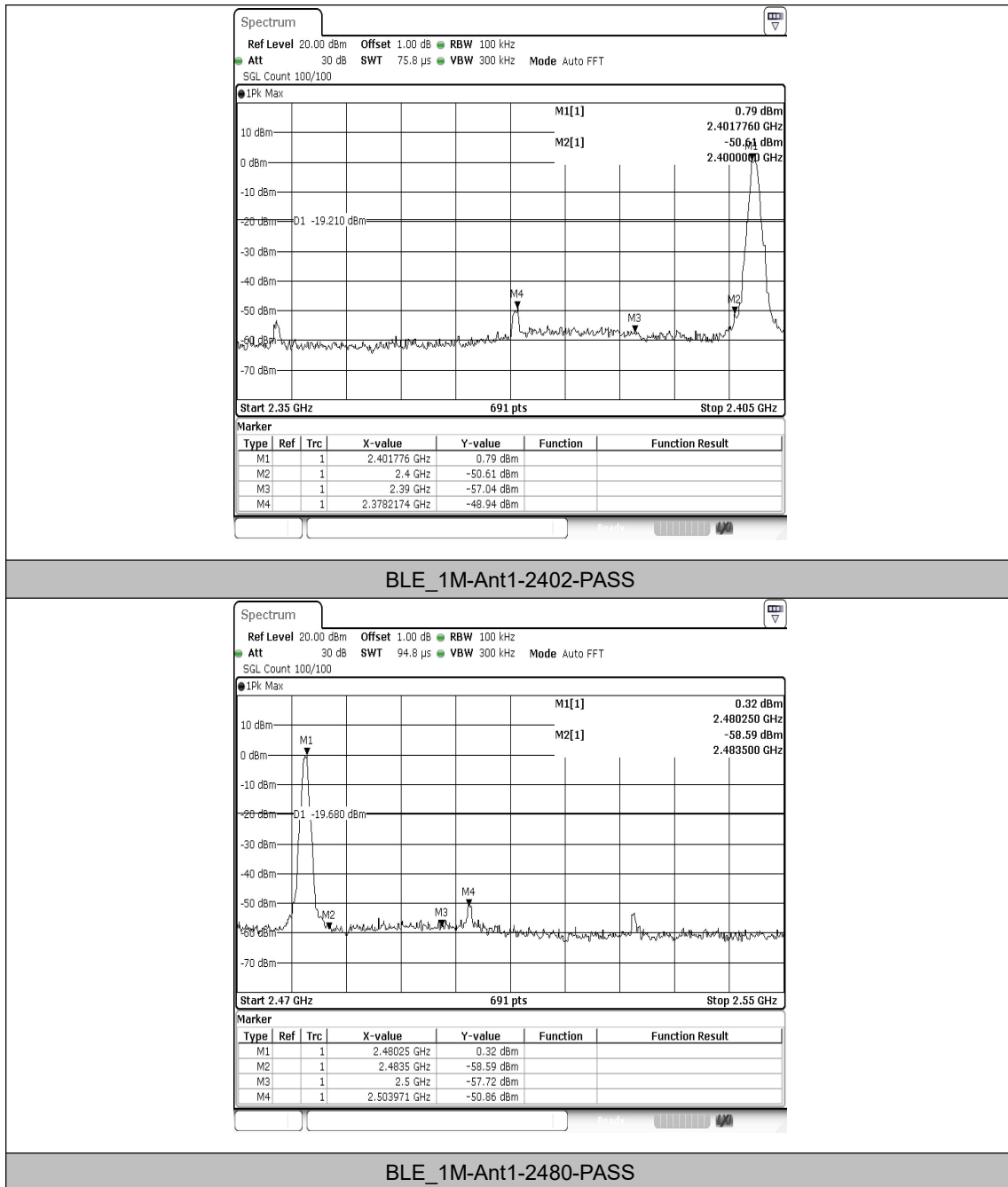
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.79	-48.94	≤-19.21	PASS
BLE_1M	Ant1	High	2480	0.32	-50.86	≤-19.68	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



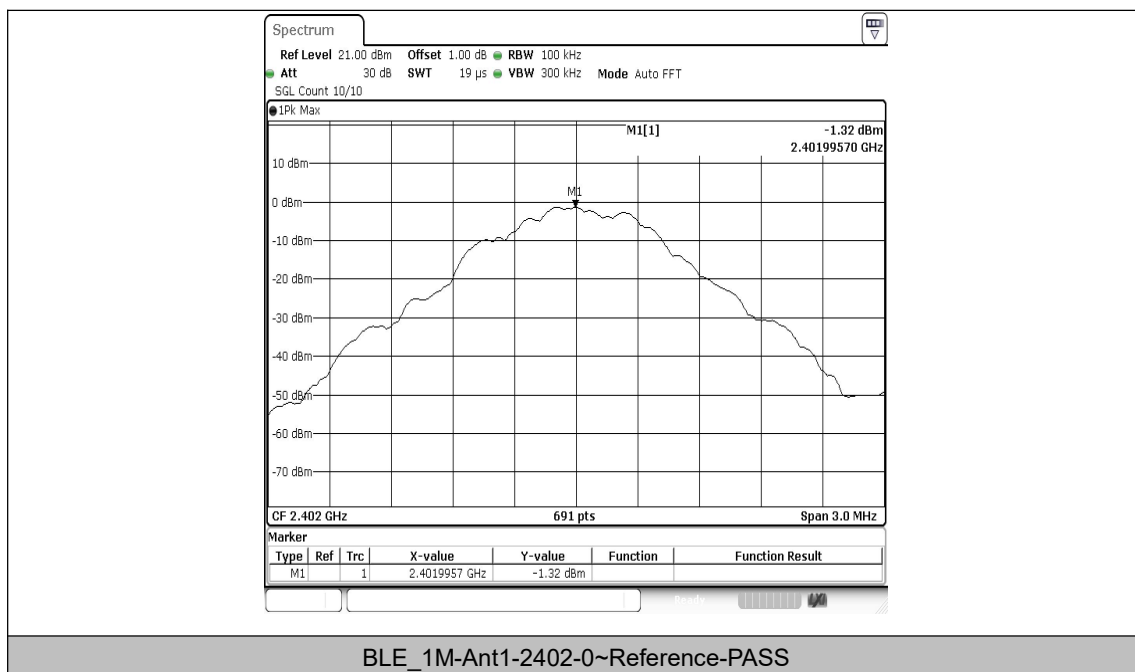
Appendix F: Conducted Spurious Emission

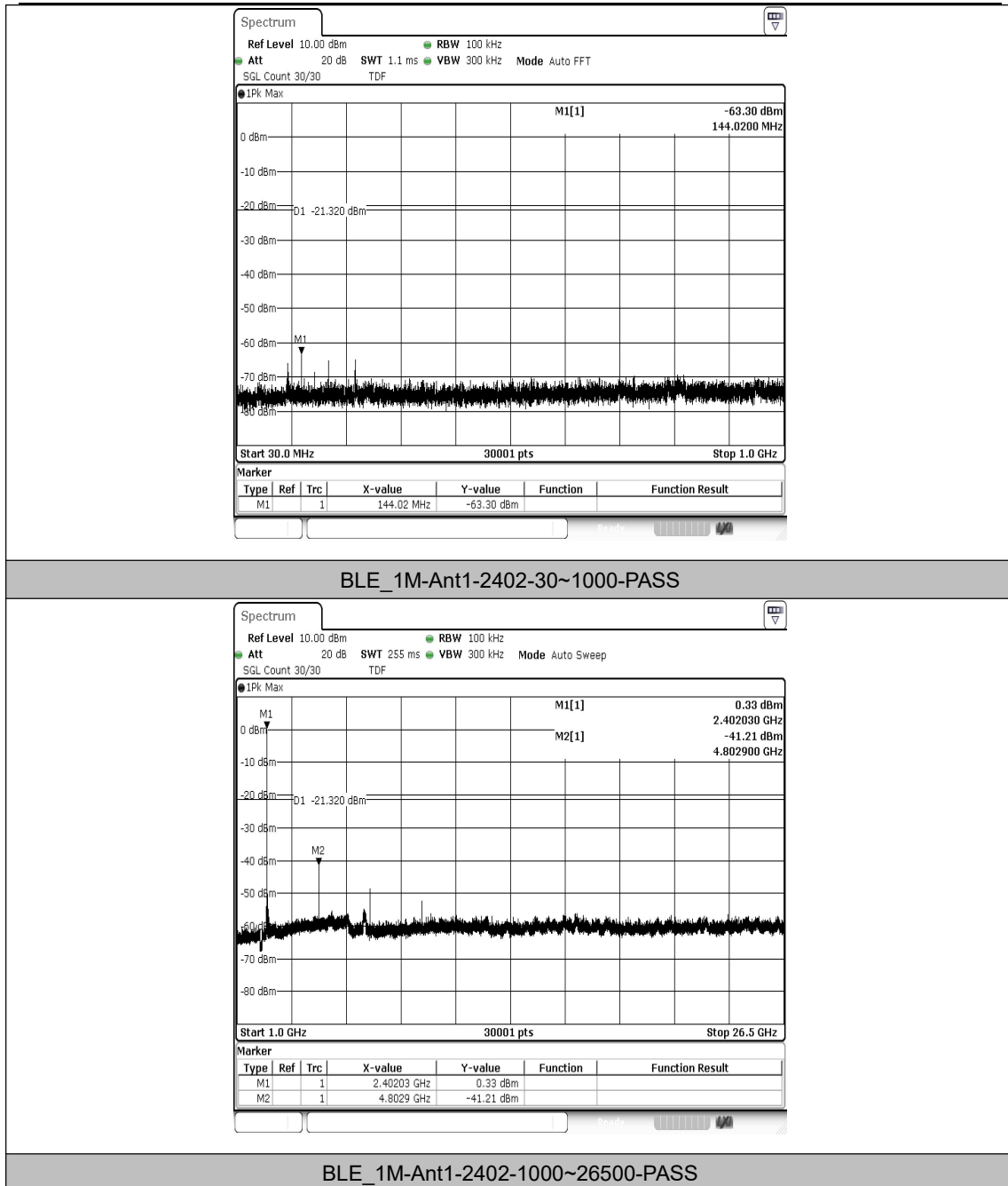
Test Result

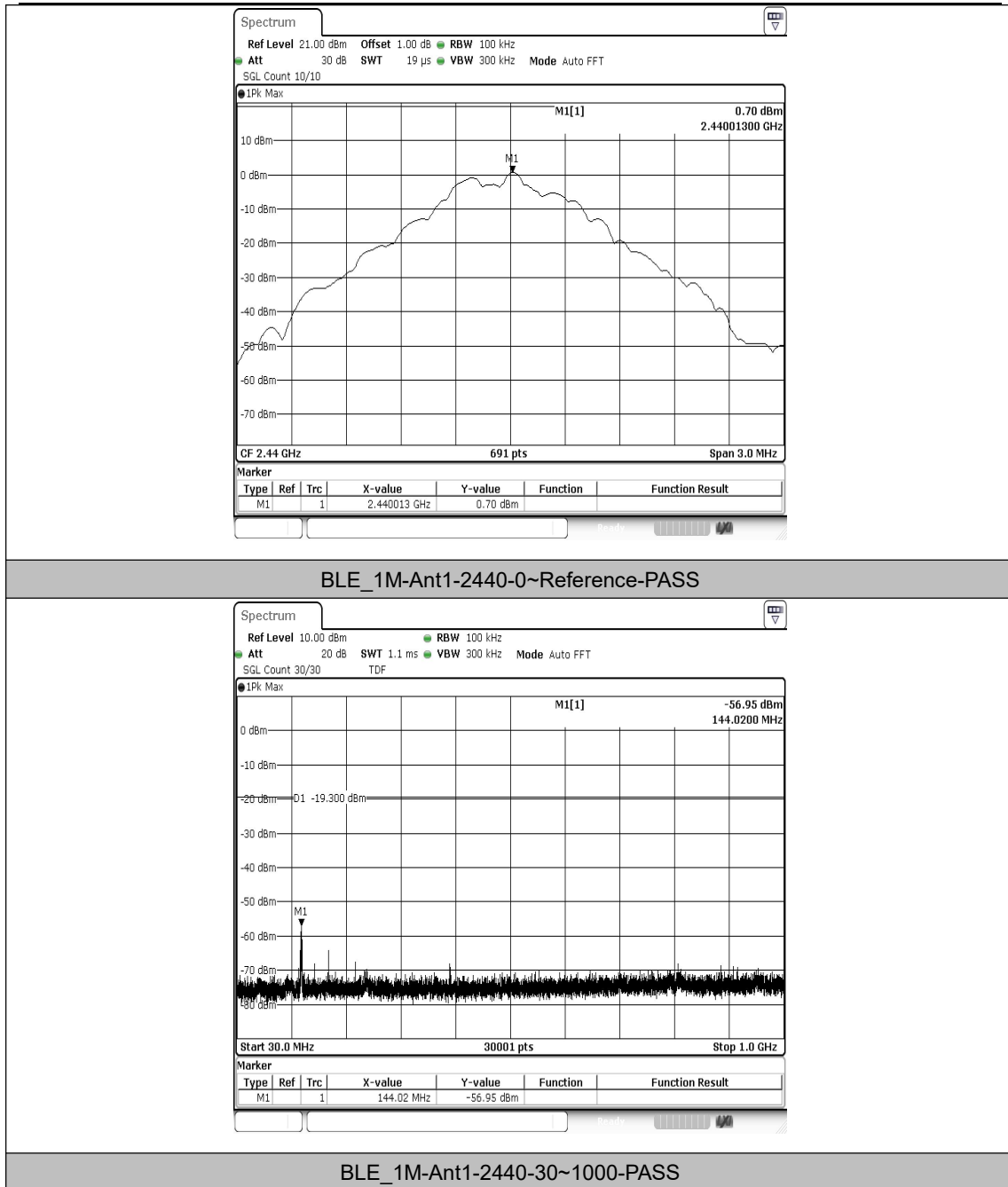
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-1.32	-1.32	---	PASS
BLE_1M	Ant1	2402	30~1000	-1.32	-63.3	≤-21.32	PASS
BLE_1M	Ant1	2402	1000~26500	-1.32	-41.21	≤-21.32	PASS
BLE_1M	Ant1	2440	0~Reference	0.70	0.70	---	PASS
BLE_1M	Ant1	2440	30~1000	0.70	-56.95	≤-19.3	PASS
BLE_1M	Ant1	2440	1000~26500	0.70	-39.64	≤-19.3	PASS
BLE_1M	Ant1	2480	0~Reference	-1.28	-1.28	---	PASS
BLE_1M	Ant1	2480	30~1000	-1.28	-56.89	≤-21.28	PASS
BLE_1M	Ant1	2480	1000~26500	-1.28	-37.71	≤-21.28	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



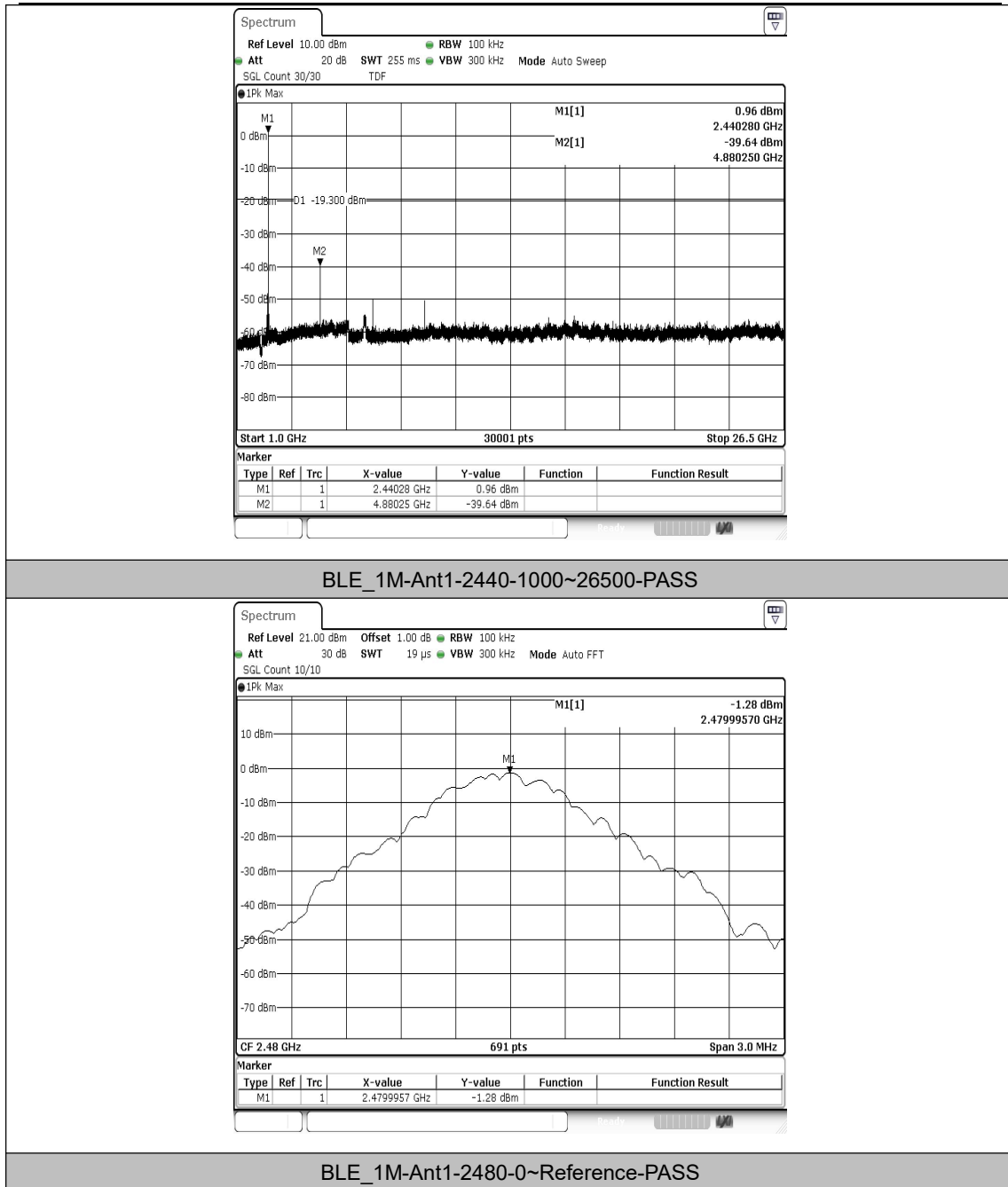




Shenzhen Anbotek Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel:(86)0755-26066440 Email:service@anbotek.com

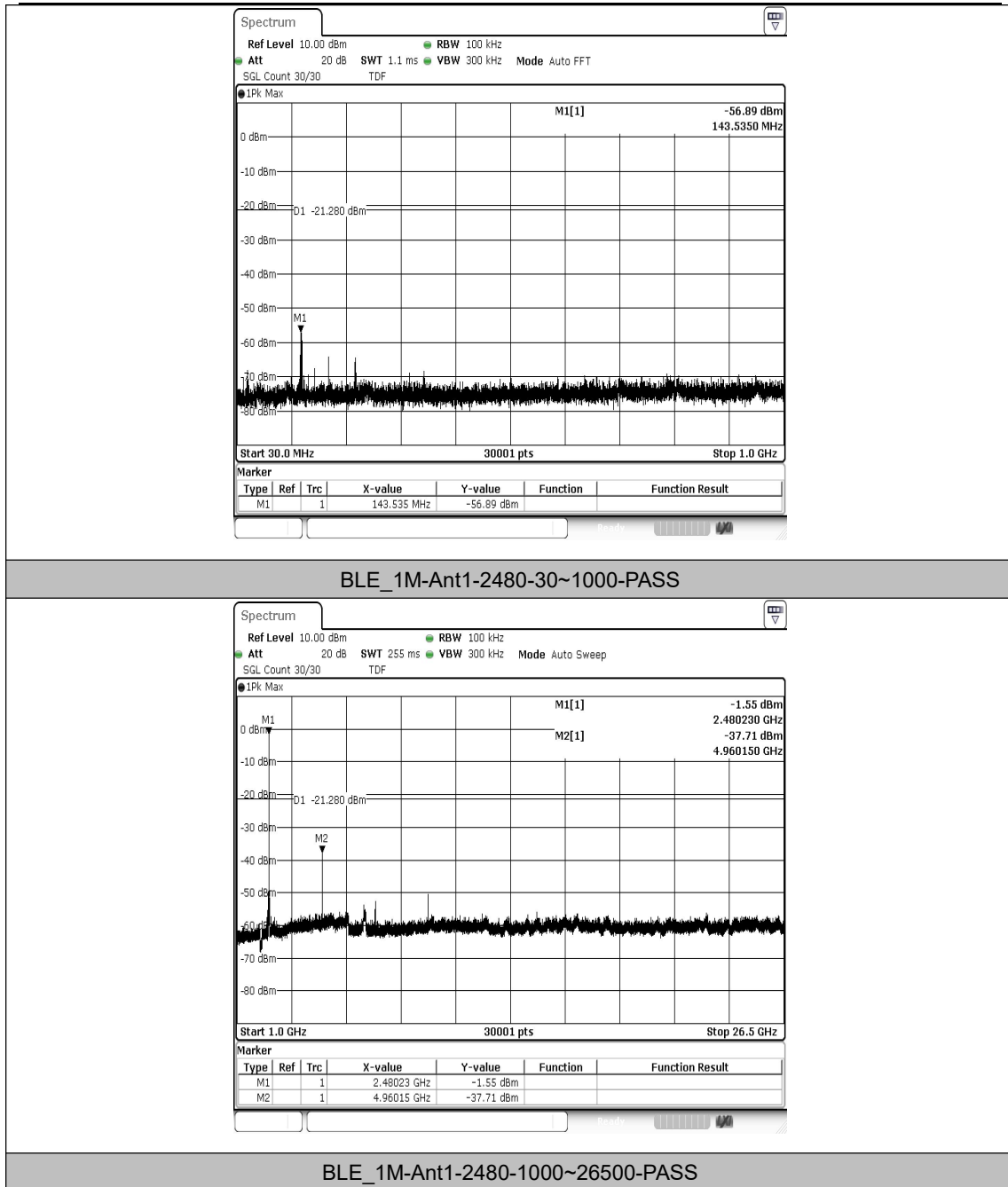
Hotline
400-003-0500
www.anbotek.com



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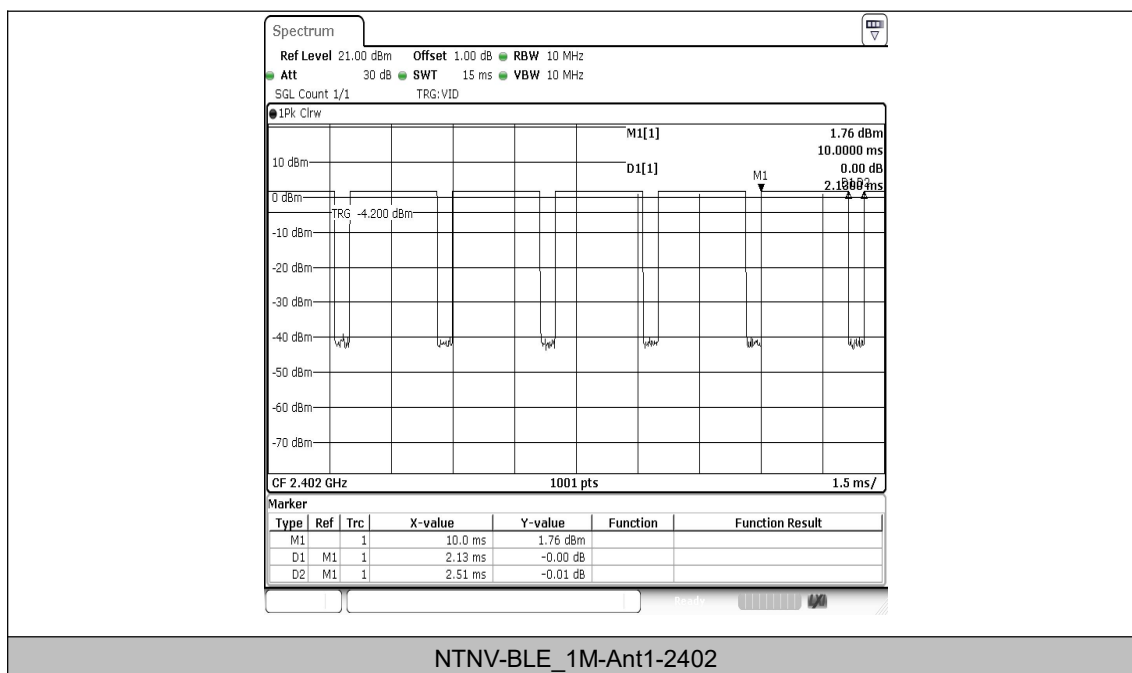
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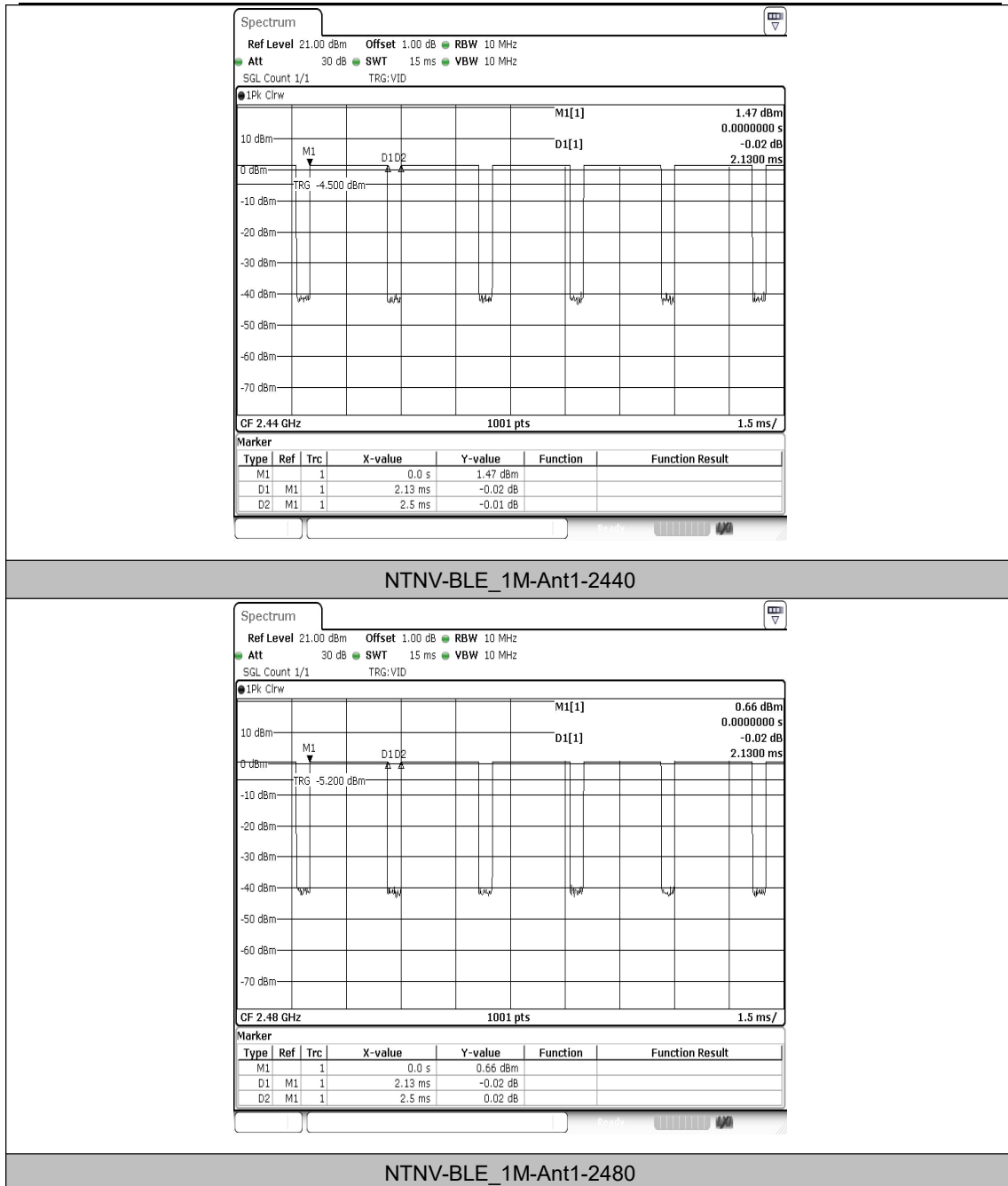
Appendix G: Duty Cycle

Test Result

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

Test Graphs





---End---