

Appendix Test Data

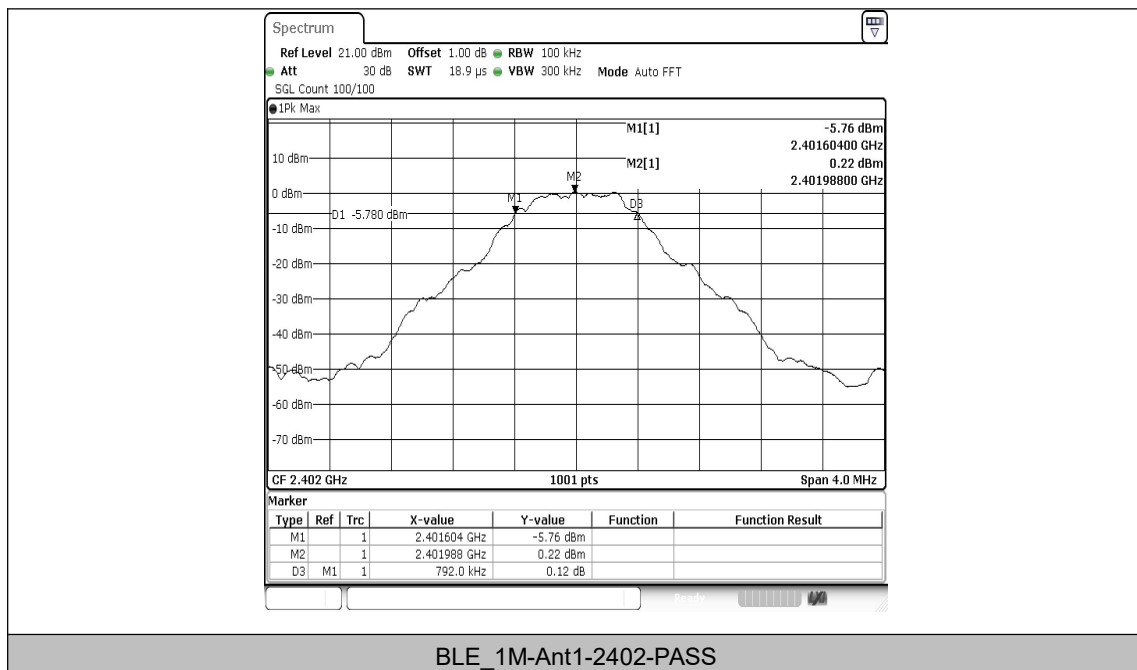
Report No.:	1812C50256512501	Test Sample No.:	1-2-2
Start Test Date:	2025-5-28	Finish Test Date:	2025-6-9
Test Engineer:	Hansen Guan	Auditor:	Justin Feng
Temperature:	27.7°C	Relative Humidity:	53%
Pressure:	101kPa		

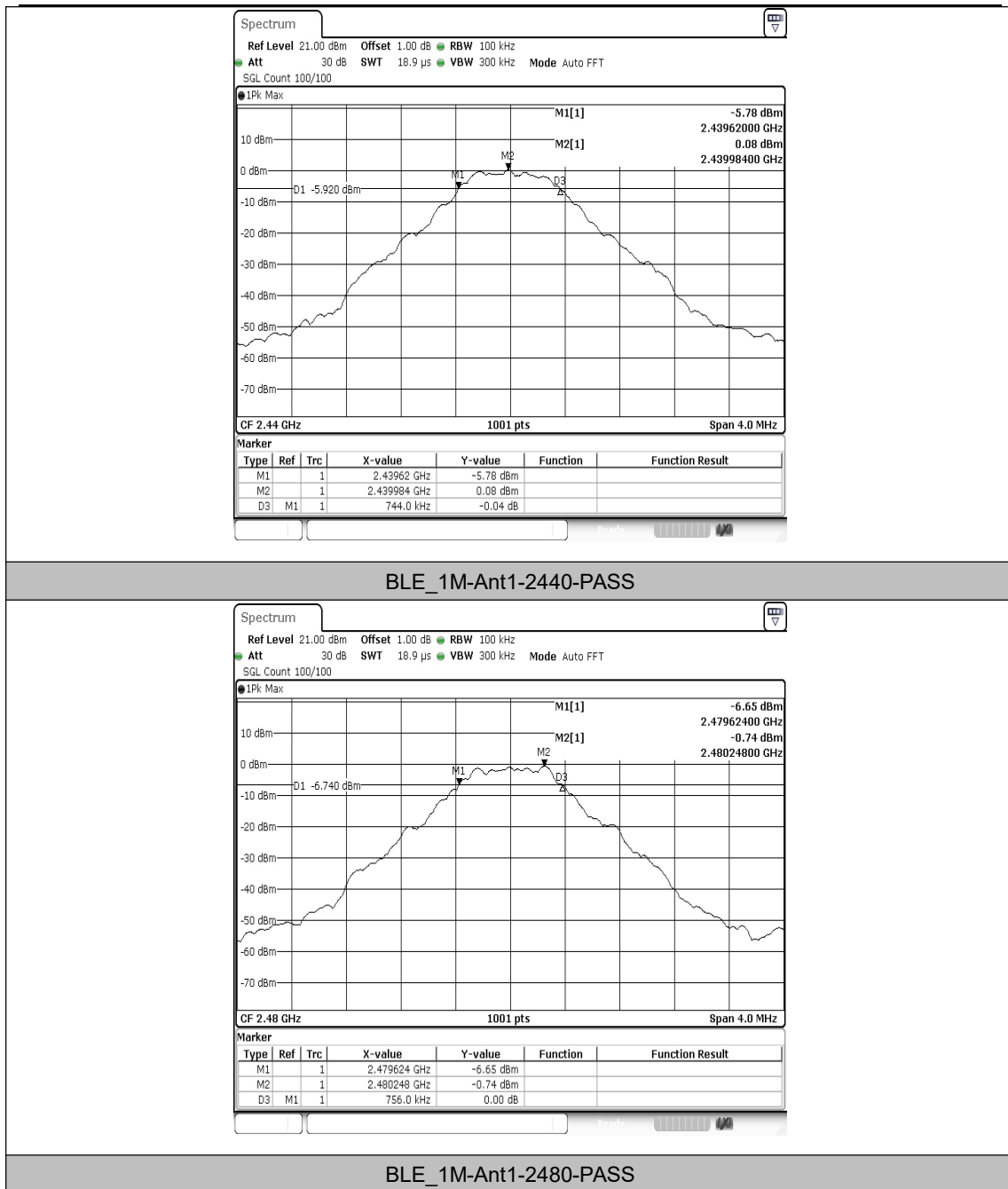
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.79	2401.60	2402.40	0.5	PASS
BLE_1M	Ant1	2440	0.74	2439.62	2440.36	0.5	PASS
BLE_1M	Ant1	2480	0.76	2479.62	2480.38	0.5	PASS

Test Graphs



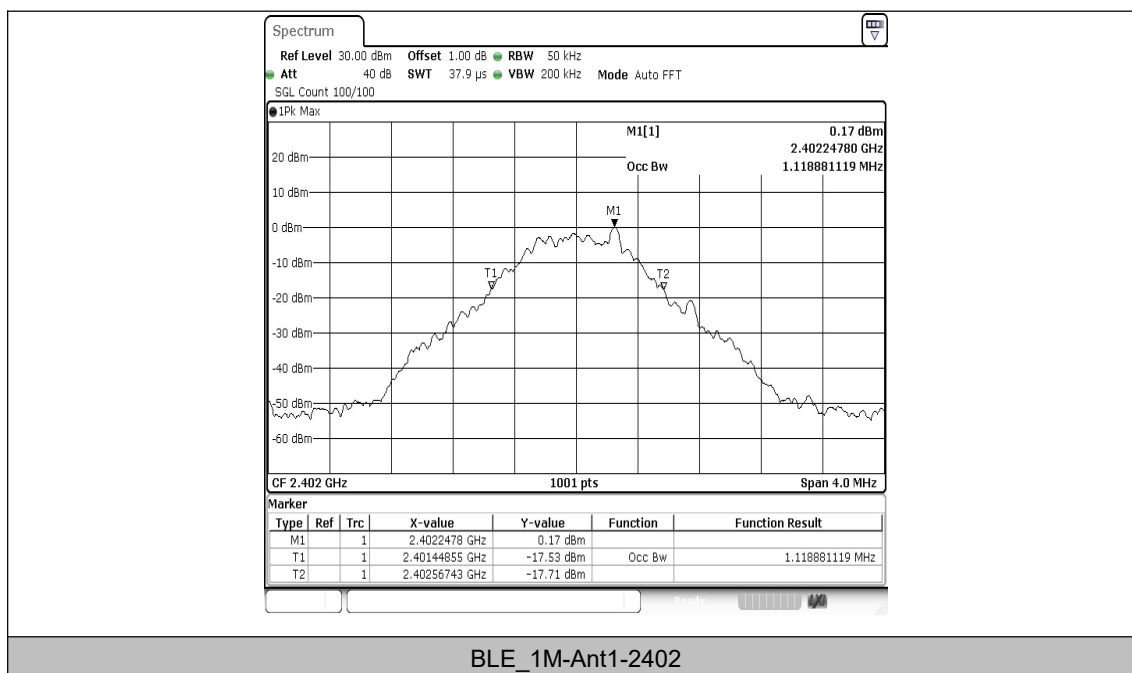


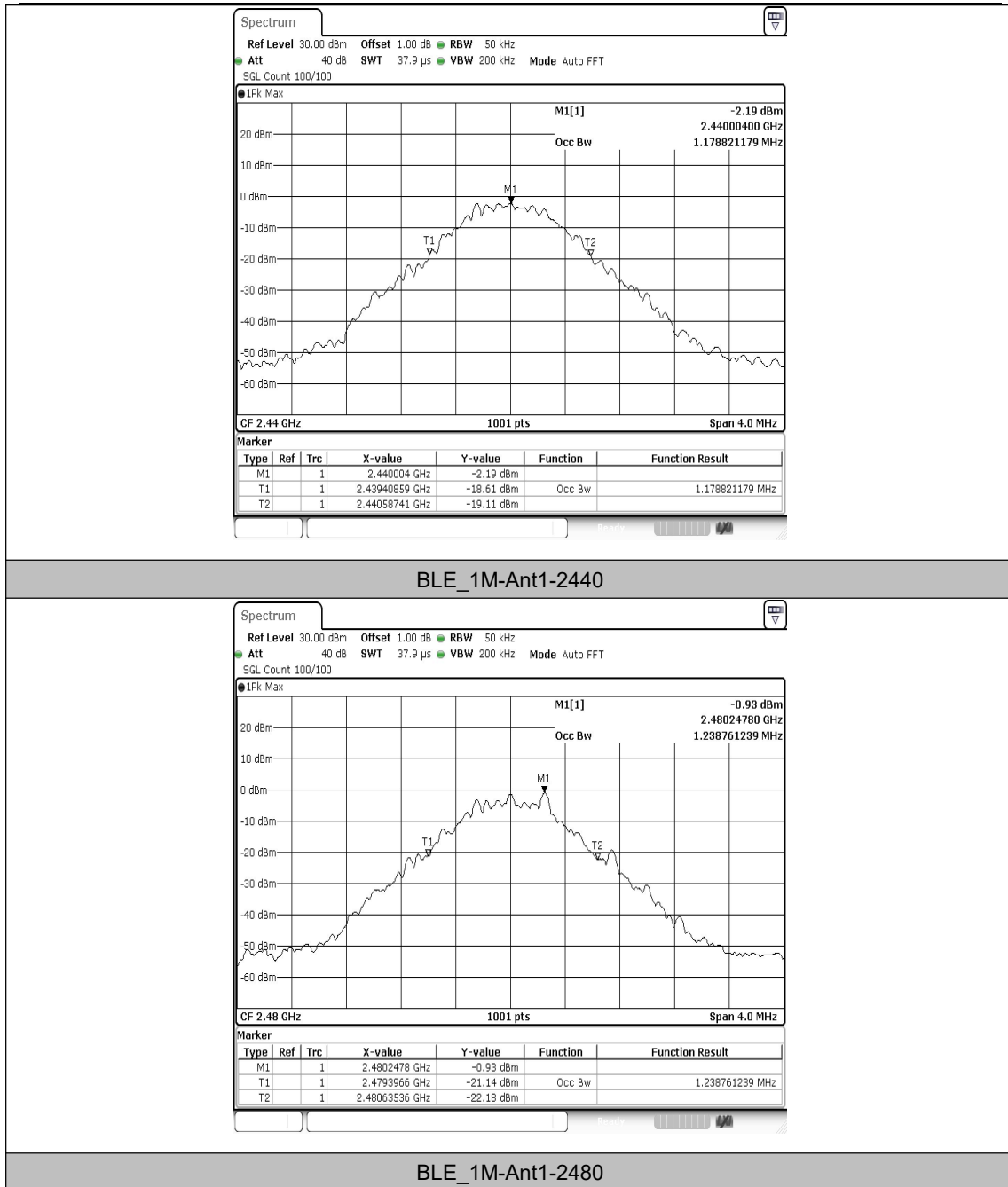
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.1189	2401.4486	2402.5674	---	---
BLE_1M	Ant1	2440	1.1788	2439.4086	2440.5874	---	---
BLE_1M	Ant1	2480	1.2388	2479.3966	2480.6354	---	---

Test Graphs



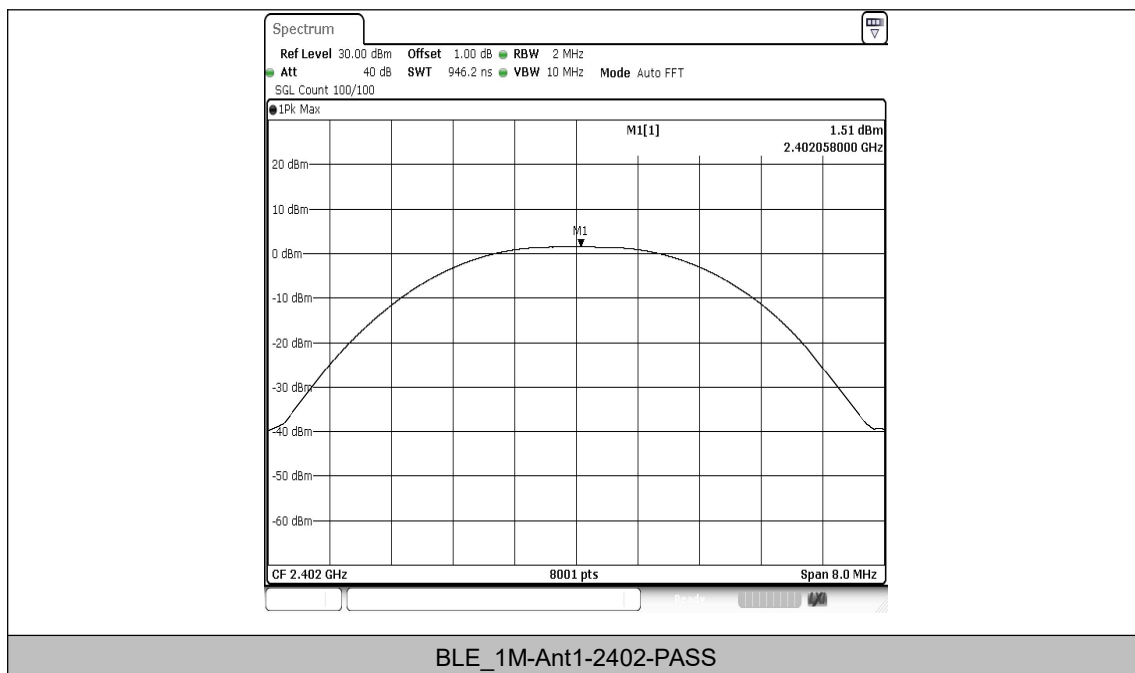


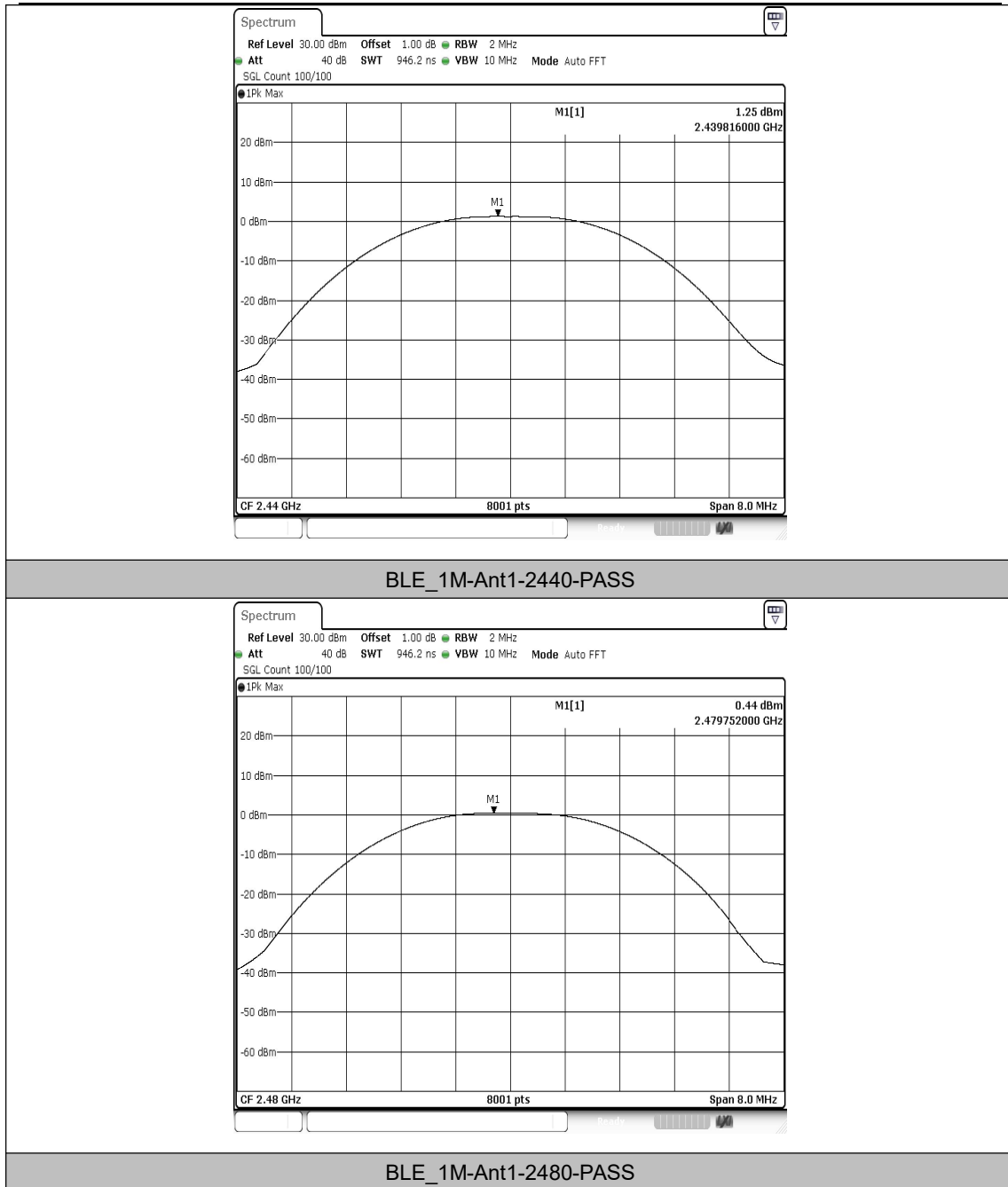
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.51	≤30	PASS
BLE_1M	Ant1	2440	1.25	≤30	PASS
BLE_1M	Ant1	2480	0.44	≤30	PASS

Test Graphs Peak





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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

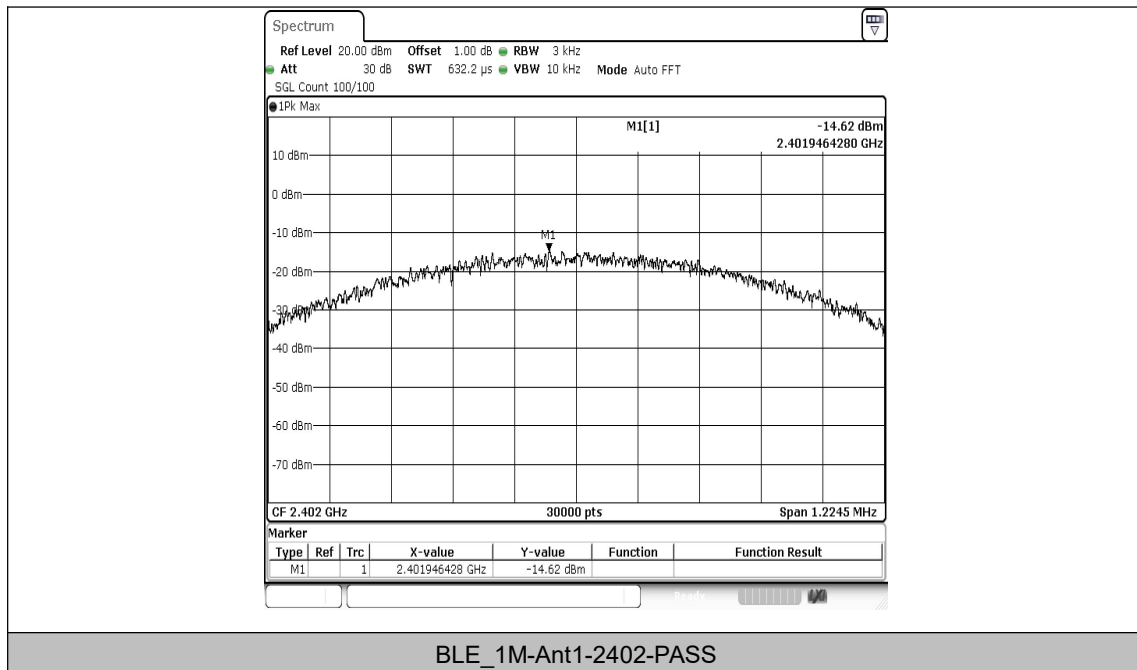
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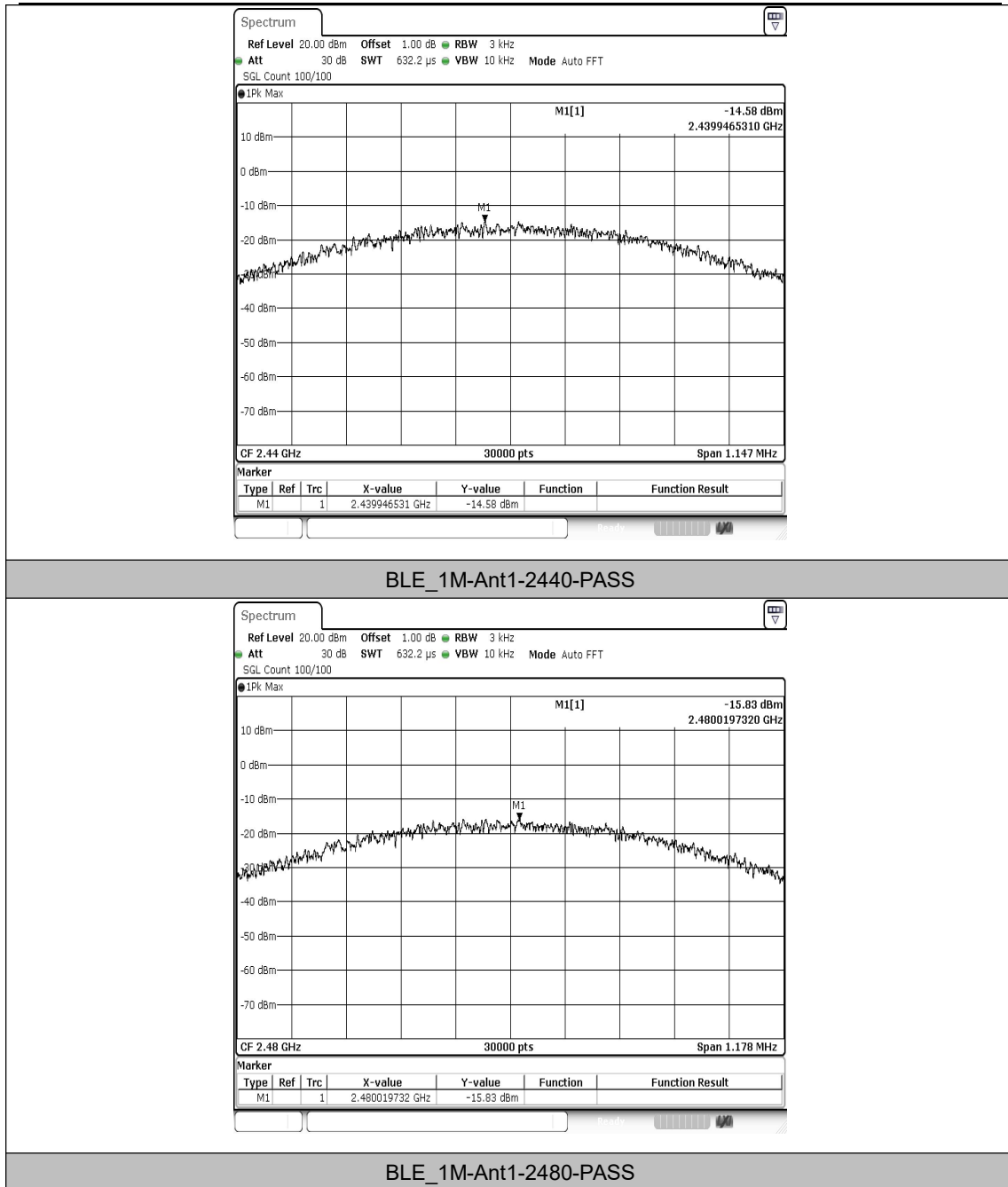
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.62	≤8.00	PASS
BLE_1M	Ant1	2440	-14.58	≤8.00	PASS
BLE_1M	Ant1	2480	-15.83	≤8.00	PASS

Test Graphs





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Appendix E: Band edge measurements

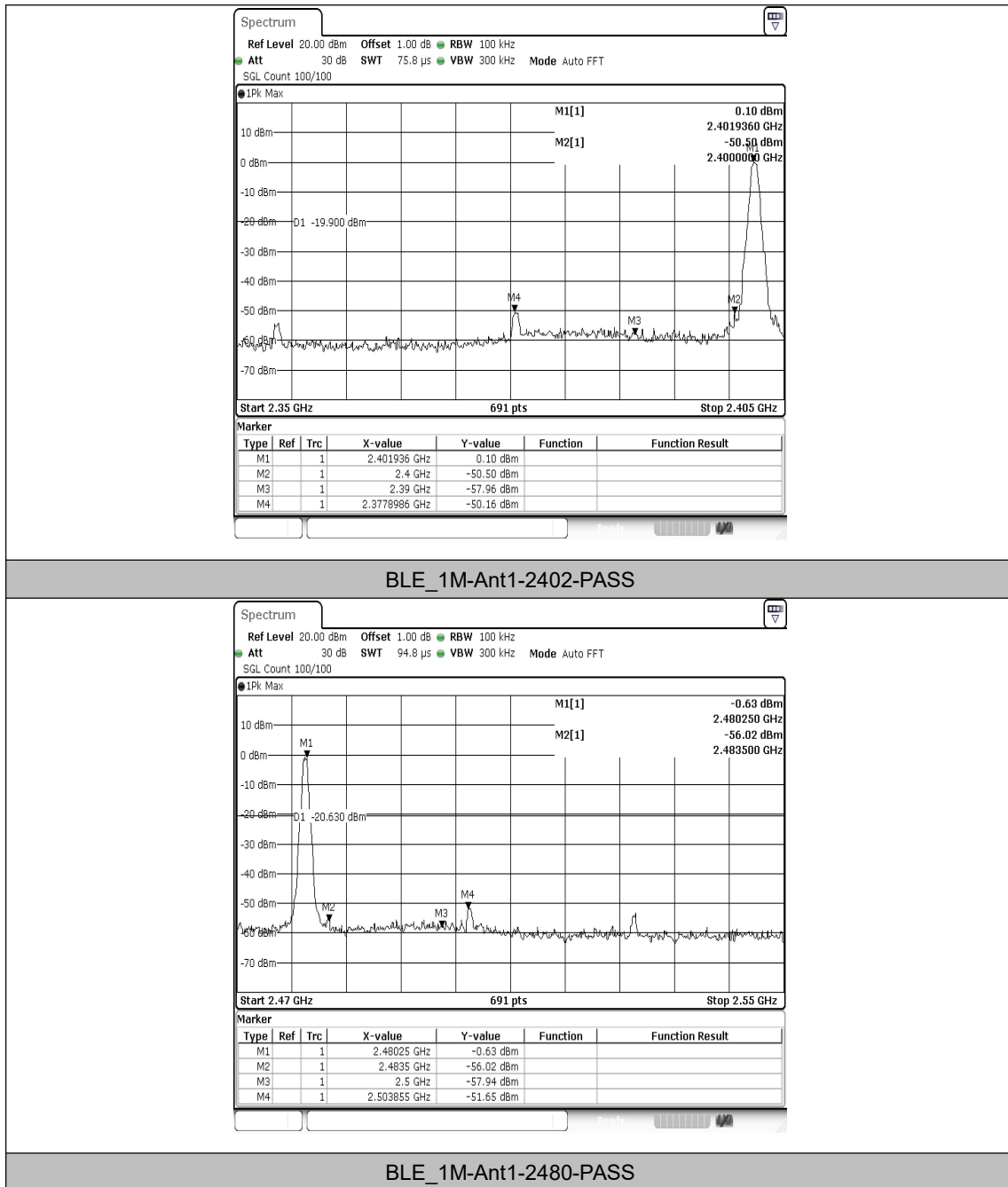
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.10	-50.16	≤-19.9	PASS
BLE_1M	Ant1	High	2480	-0.63	-51.65	≤-20.63	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



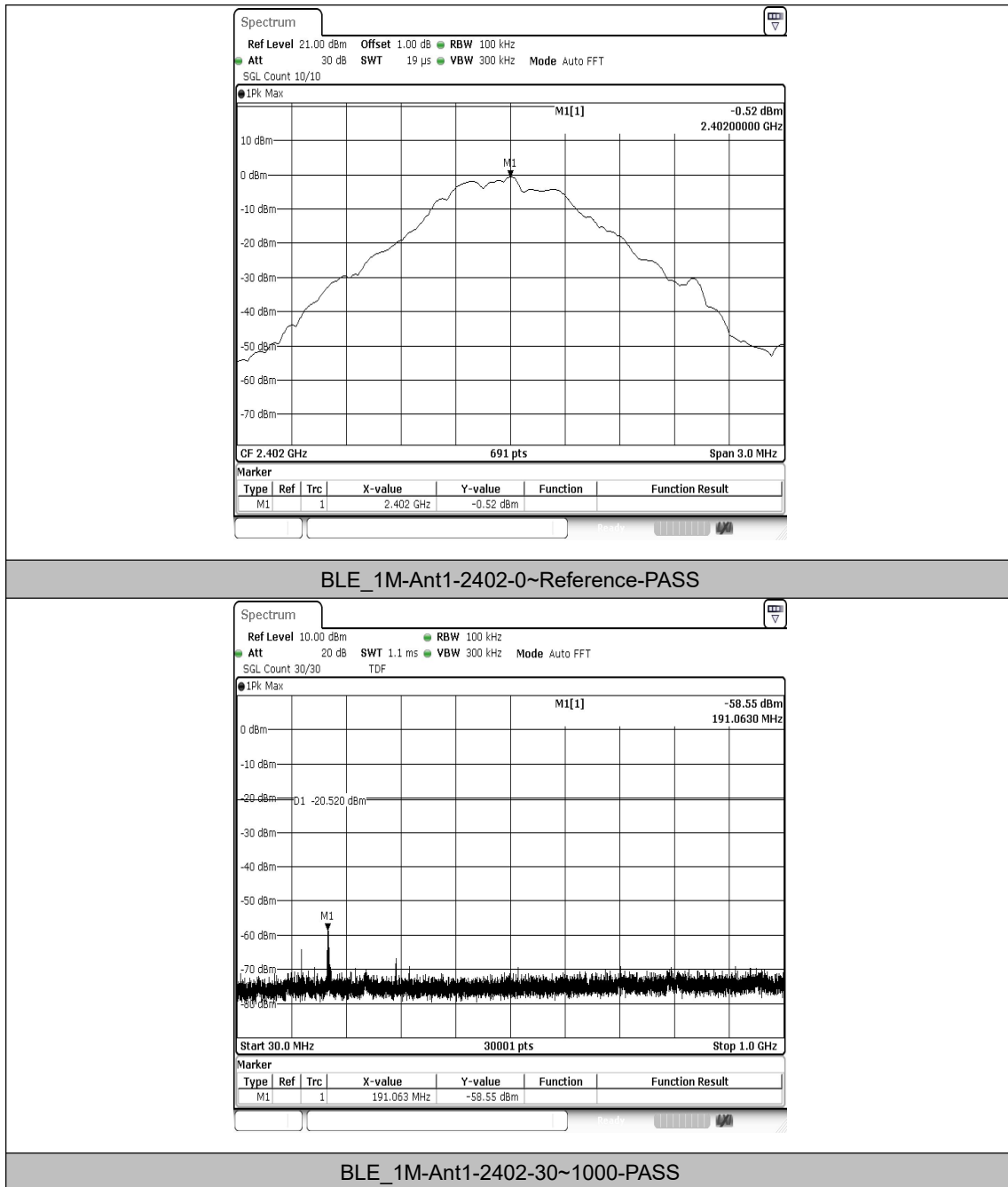
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-0.52	-0.52	---	PASS
BLE_1M	Ant1	2402	30~1000	-0.52	-58.55	≤-20.52	PASS
BLE_1M	Ant1	2402	1000~26500	-0.52	-40.84	≤-20.52	PASS
BLE_1M	Ant1	2440	0~Reference	-1.52	-1.52	---	PASS
BLE_1M	Ant1	2440	30~1000	-1.52	-63.67	≤-21.52	PASS
BLE_1M	Ant1	2440	1000~26500	-1.52	-40.31	≤-21.52	PASS
BLE_1M	Ant1	2480	0~Reference	-1.02	-1.02	---	PASS
BLE_1M	Ant1	2480	30~1000	-1.02	-60.49	≤-21.02	PASS
BLE_1M	Ant1	2480	1000~26500	-1.02	-40.25	≤-21.02	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.

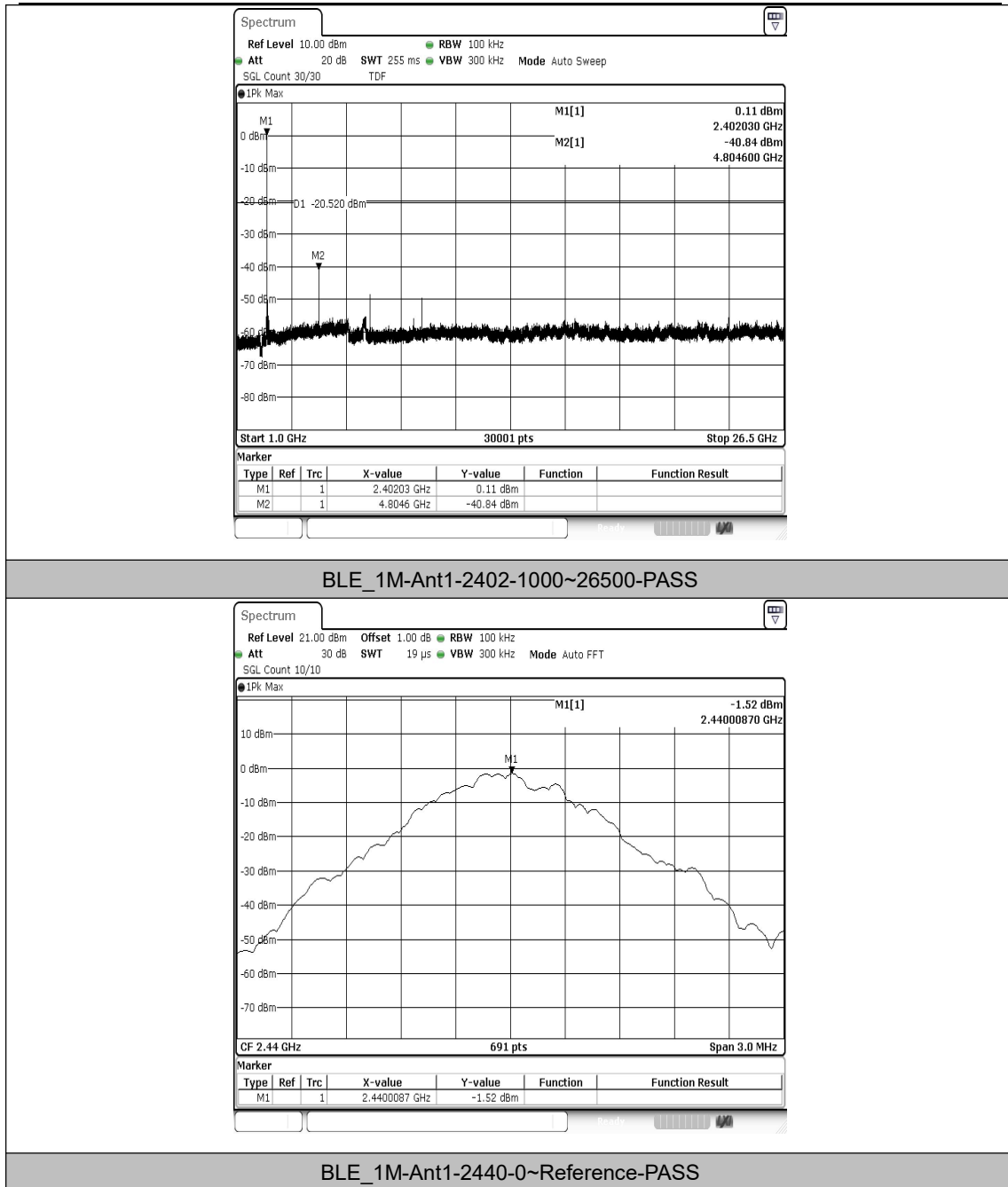
Test Graphs

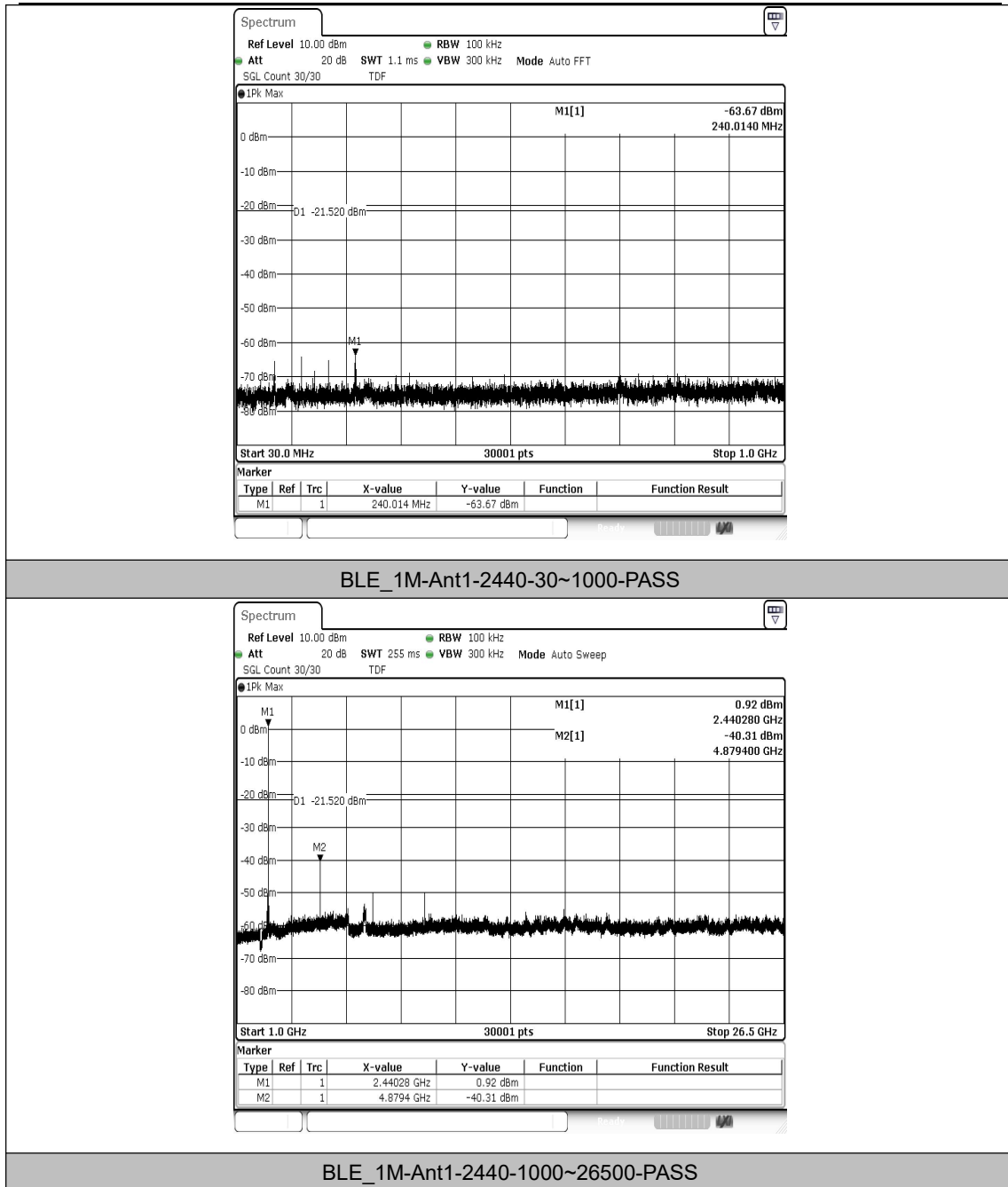


Shenzhen Anbotek Compliance Laboratory Limited

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
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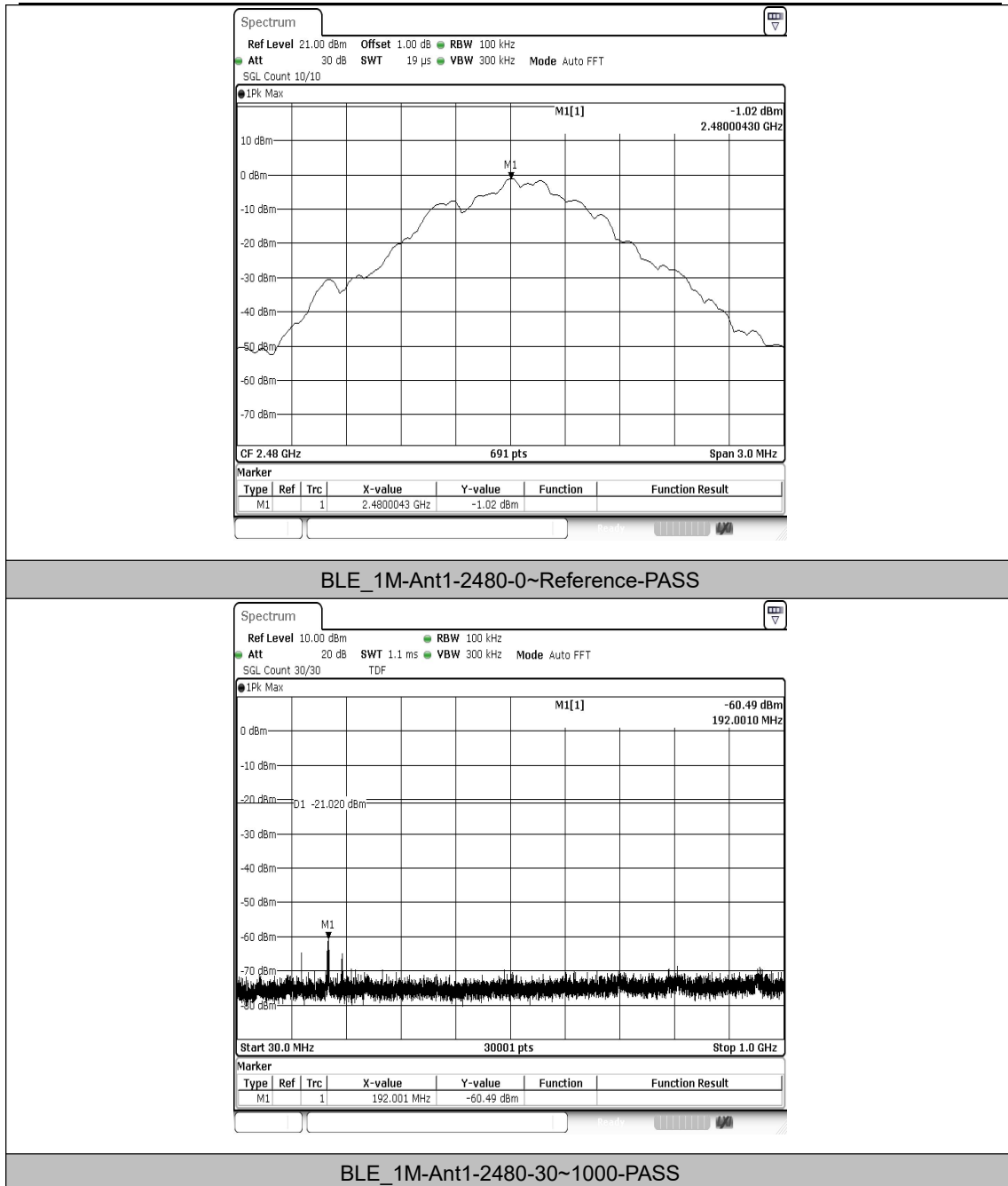




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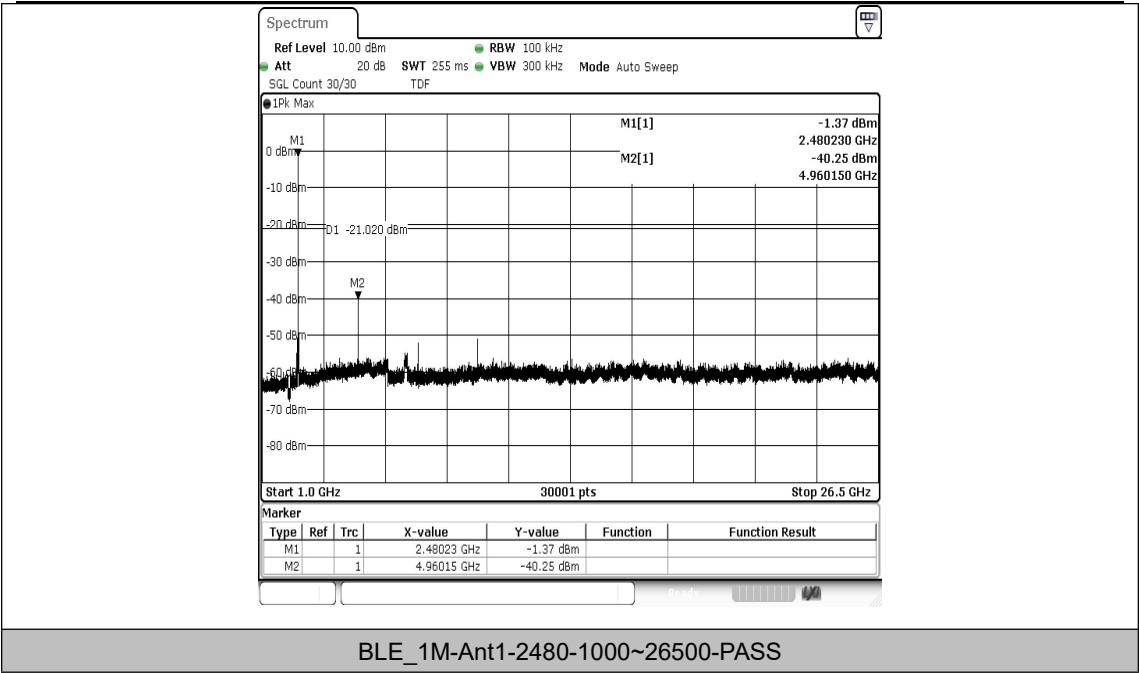
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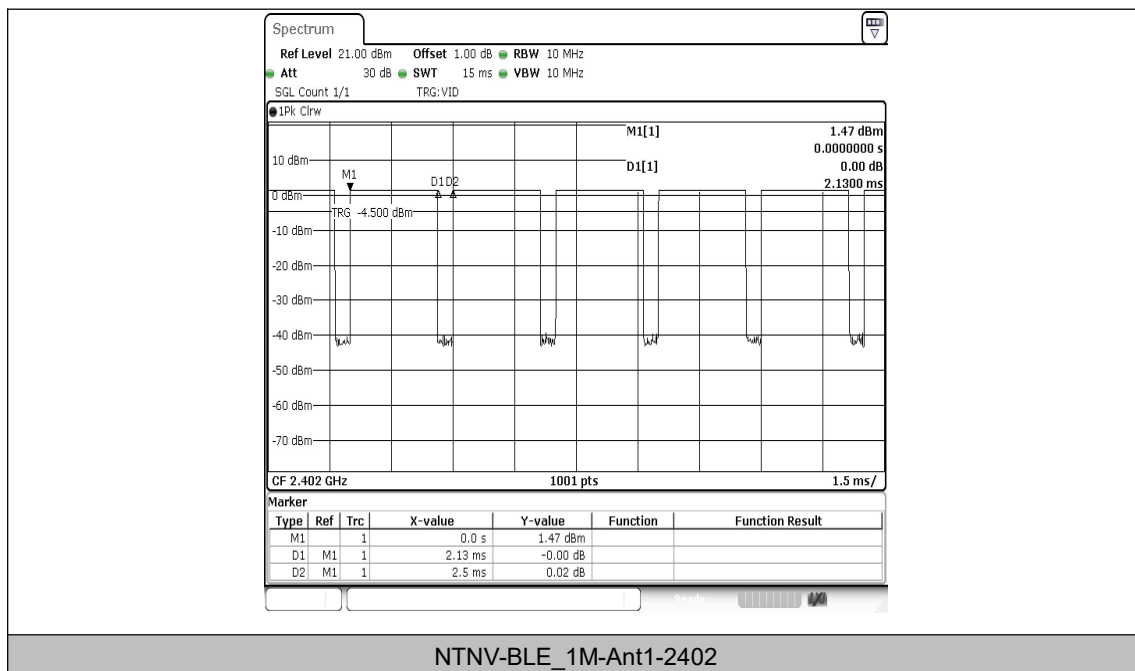
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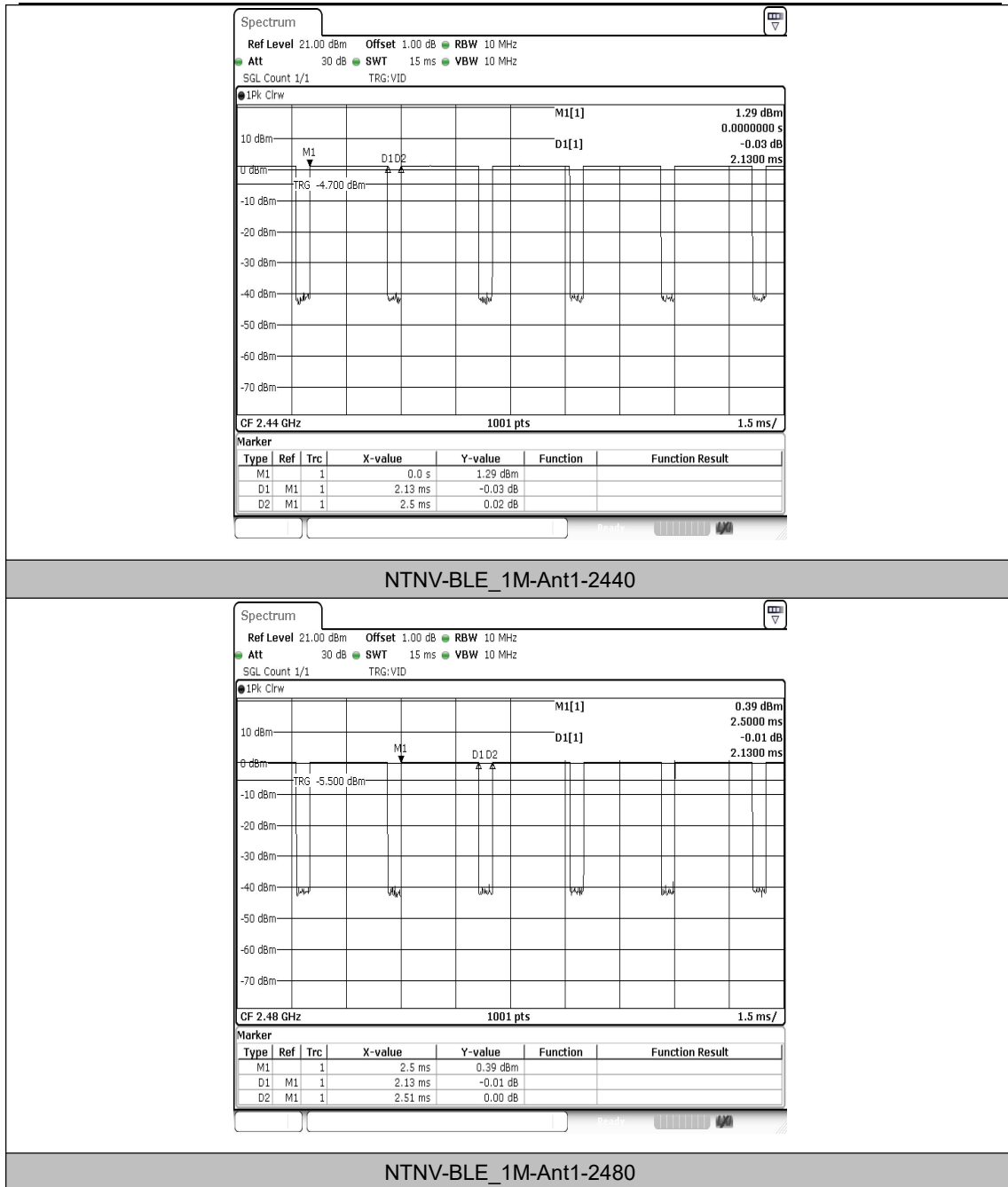
Appendix G: Duty Cycle

Test Result

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

Test Graphs





---End---