

Appendix Test Data

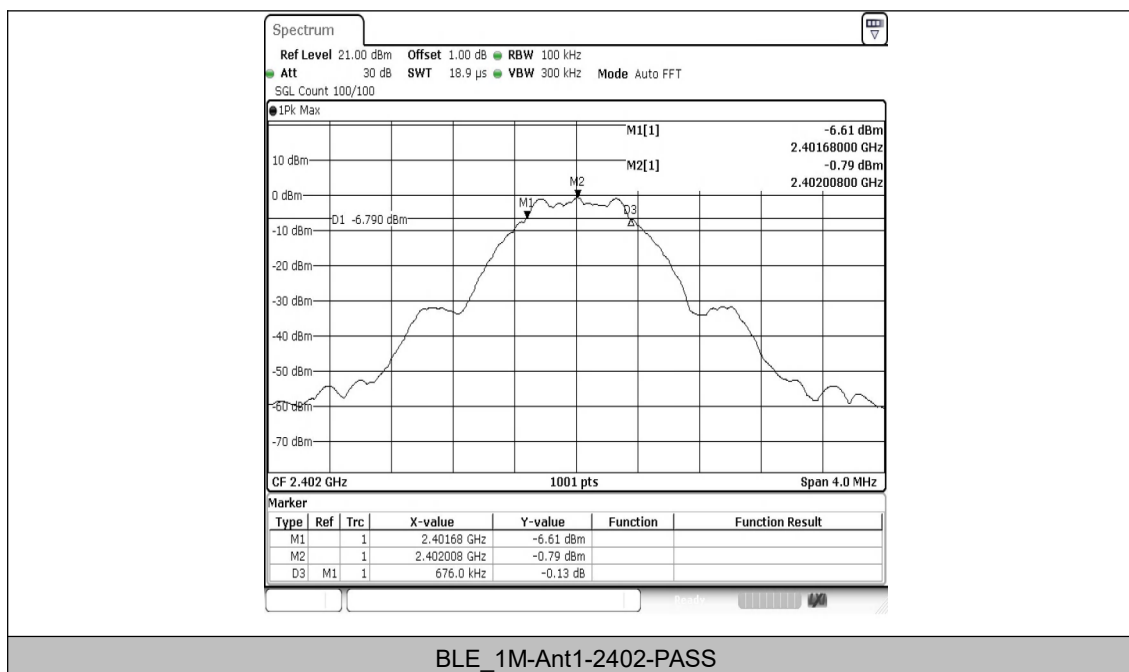
Report No.:	1812C50379412501	Test Sample No.:	1-2-2
Start Test Date:	2025-8-1	Finish Test Date:	2025-9-1
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	26.9°C	Relative Humidity:	50%
Pressure:	101kPa		

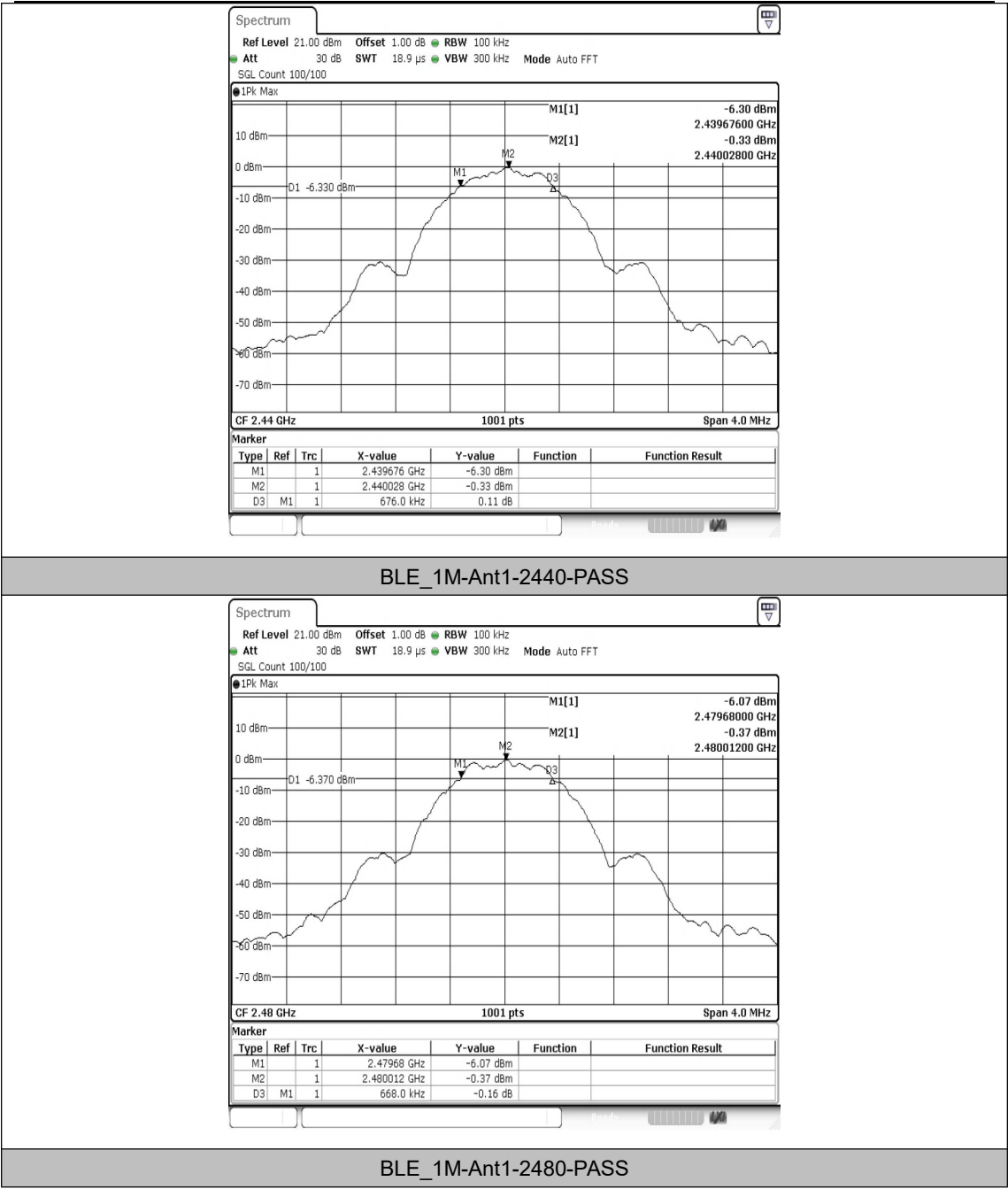
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.68	2401.68	2402.36	0.5	PASS
BLE_1M	Ant1	2440	0.68	2439.68	2440.35	0.5	PASS
BLE_1M	Ant1	2480	0.67	2479.68	2480.35	0.5	PASS

Test Graphs



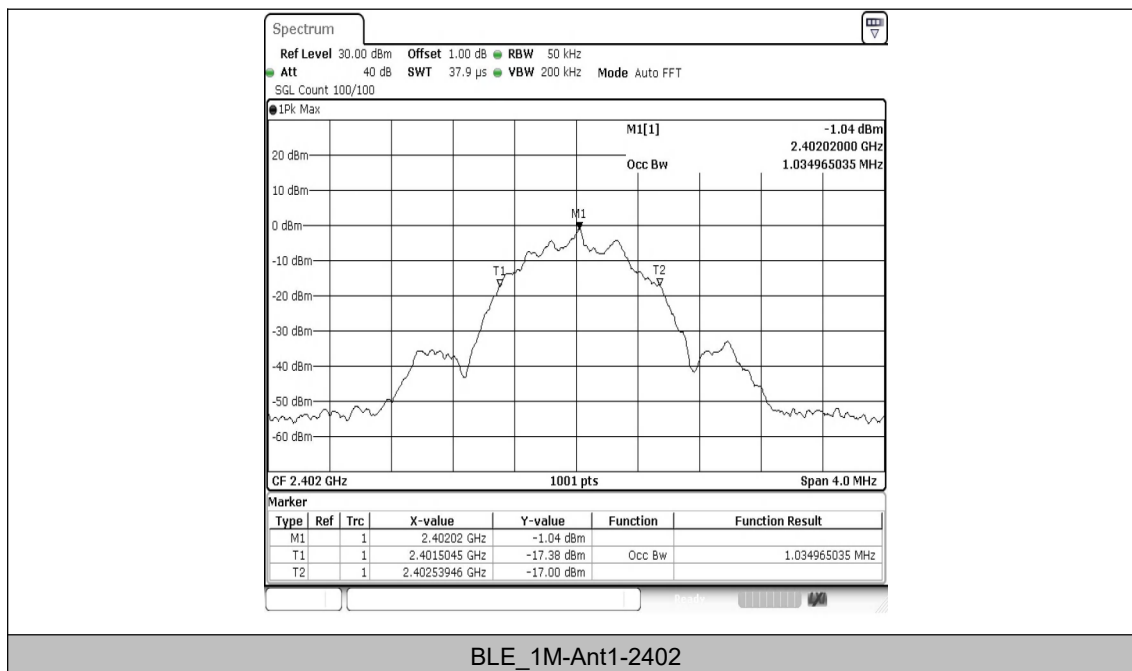


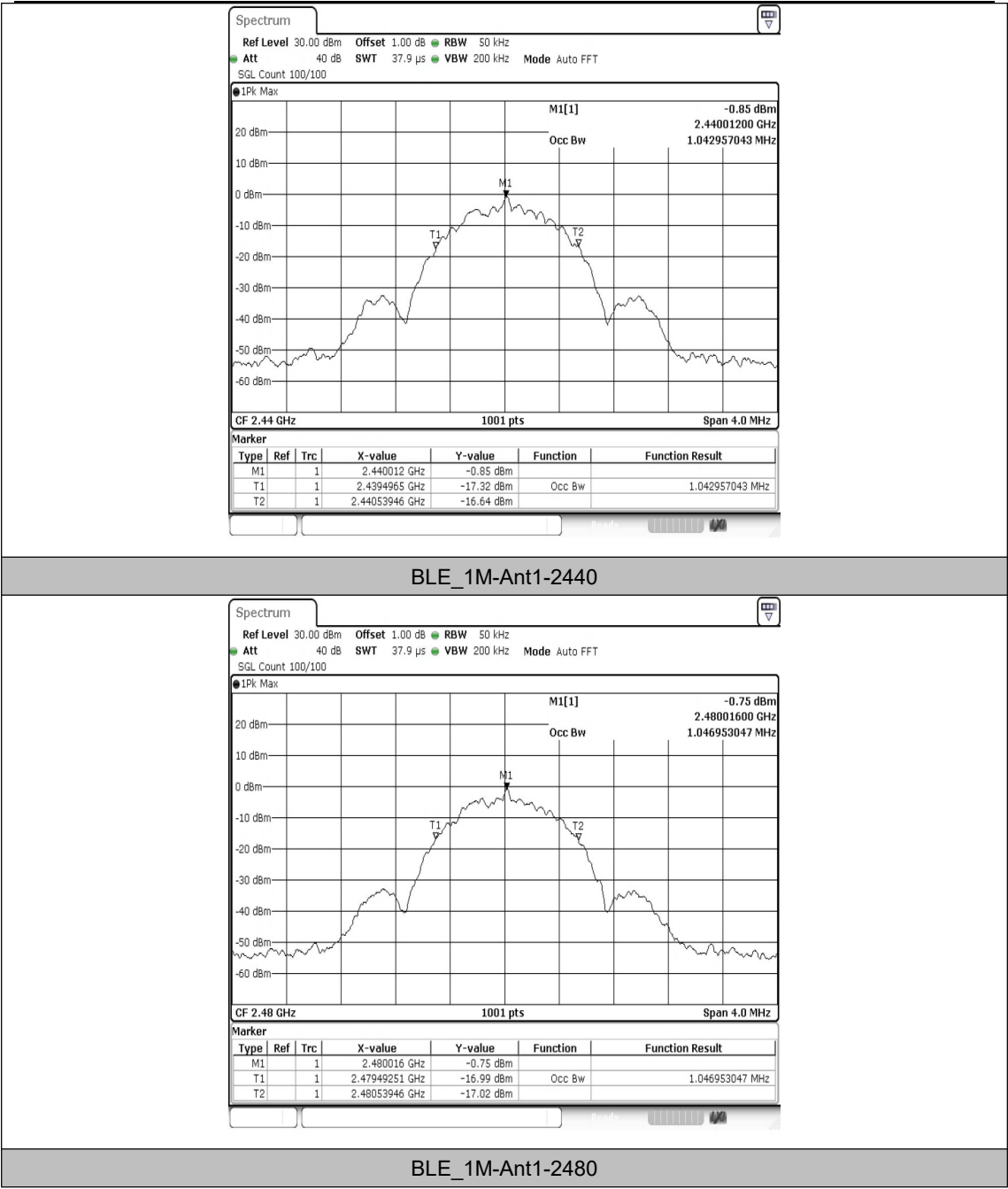
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0350	2401.5045	2402.5395	---	---
BLE_1M	Ant1	2440	1.0430	2439.4965	2440.5395	---	---
BLE_1M	Ant1	2480	1.0470	2479.4925	2480.5395	---	---

Test Graphs



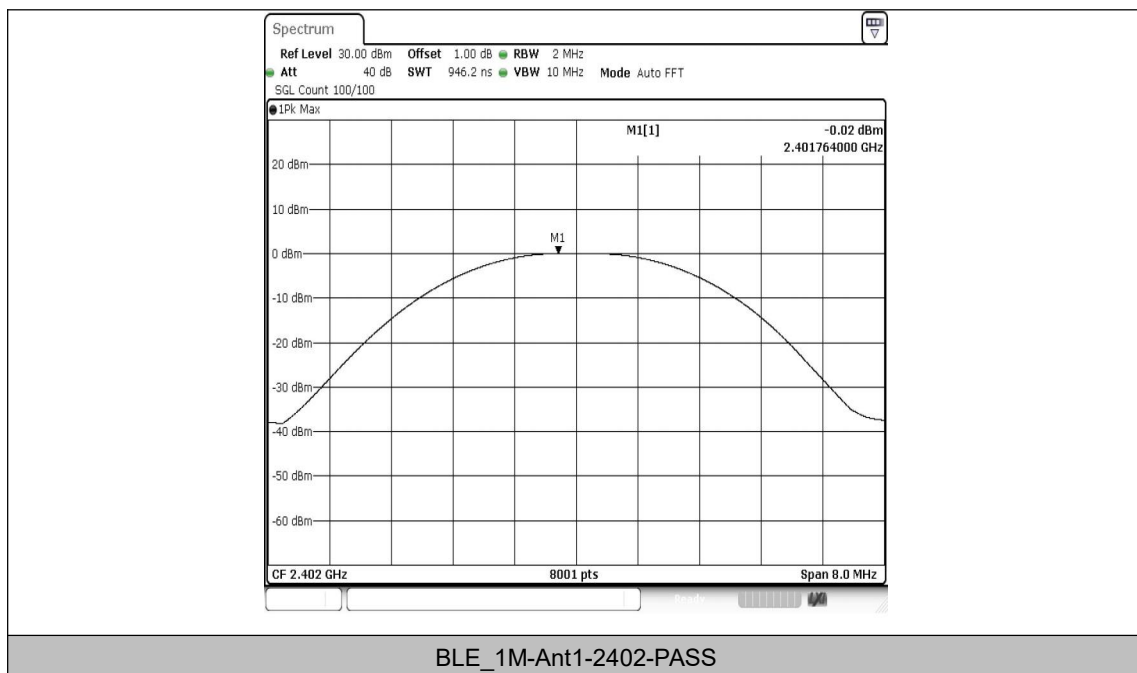


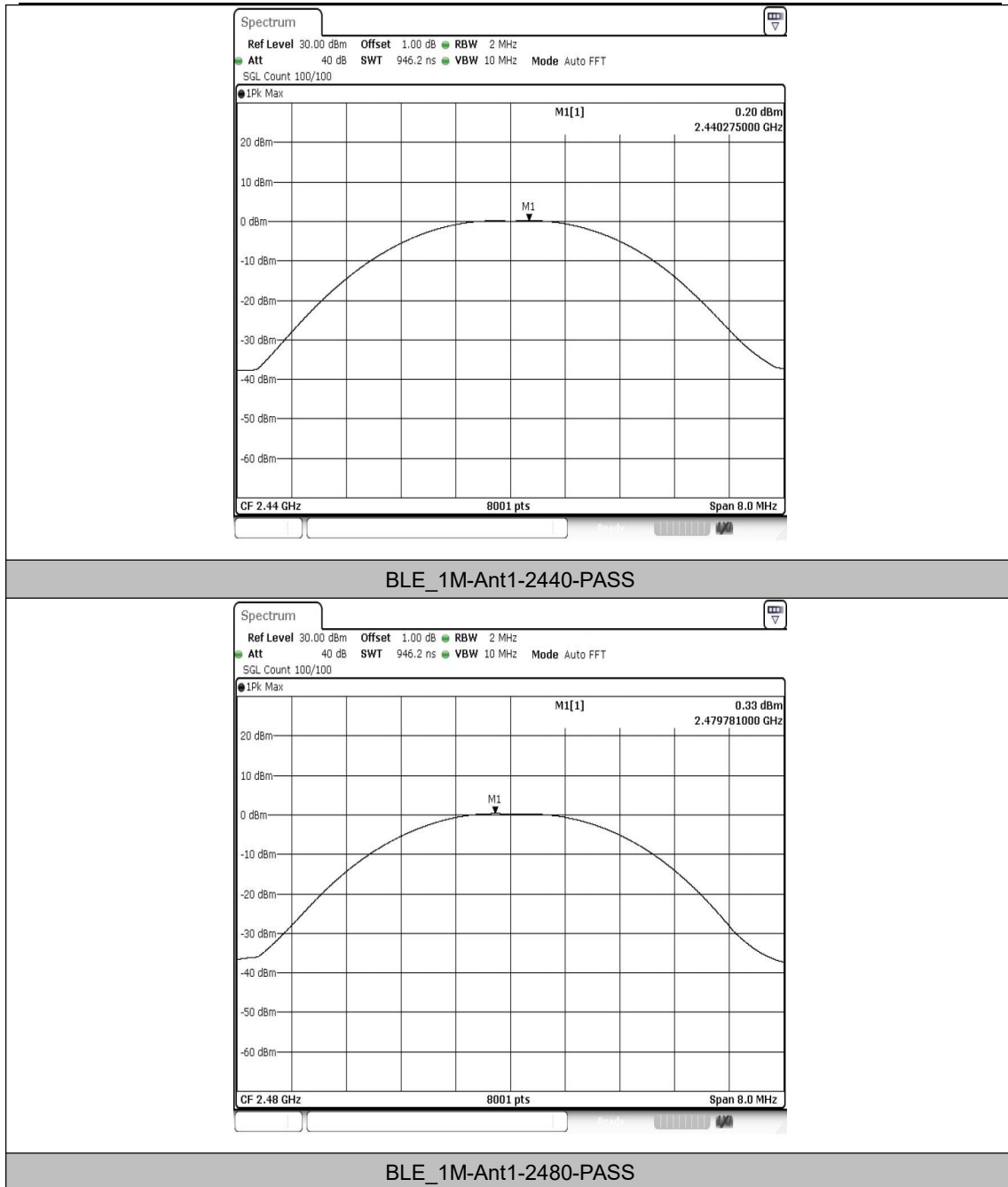
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.02	≤30	PASS
BLE_1M	Ant1	2440	0.20	≤30	PASS
BLE_1M	Ant1	2480	0.33	≤30	PASS

Test Graphs Peak





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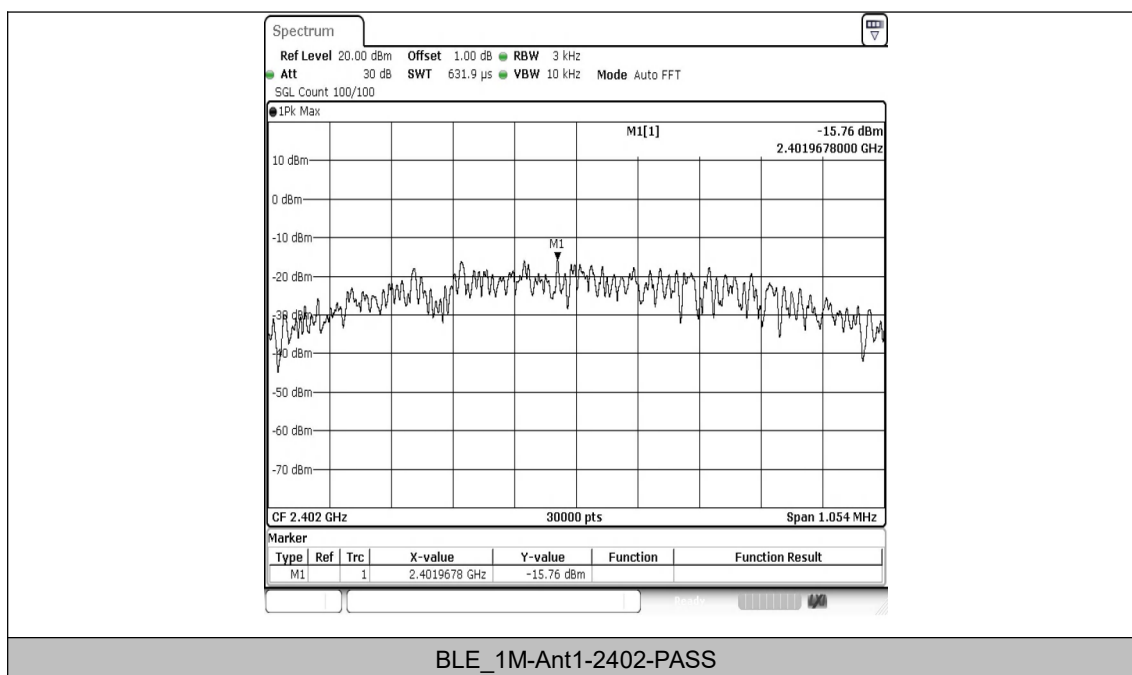
Hotline: 400-003-0500 web: www.anbotek.com E-mail: service@anbotek.com

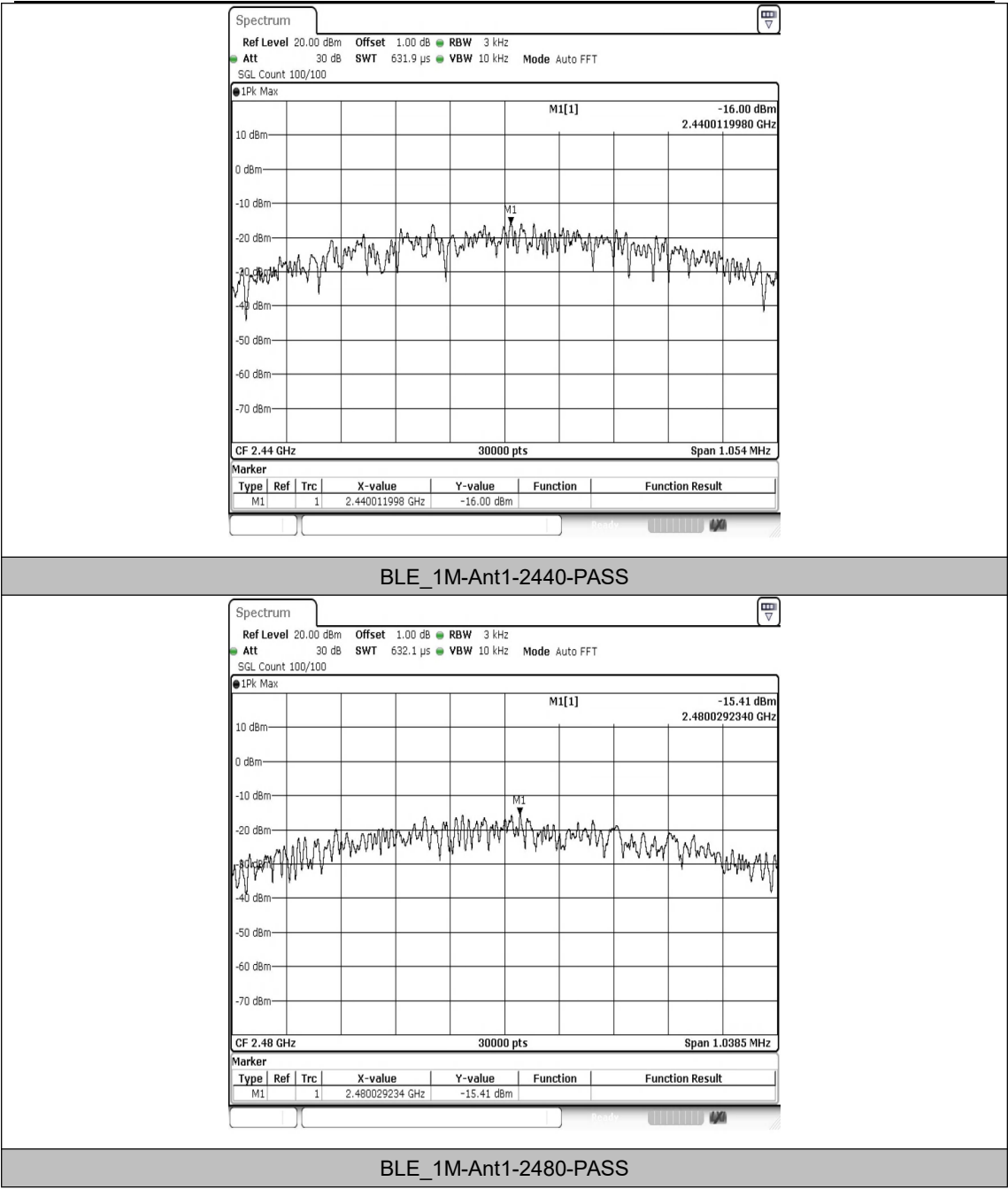
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.76	≤8.00	PASS
BLE_1M	Ant1	2440	-16.00	≤8.00	PASS
BLE_1M	Ant1	2480	-15.41	≤8.00	PASS

Test Graphs





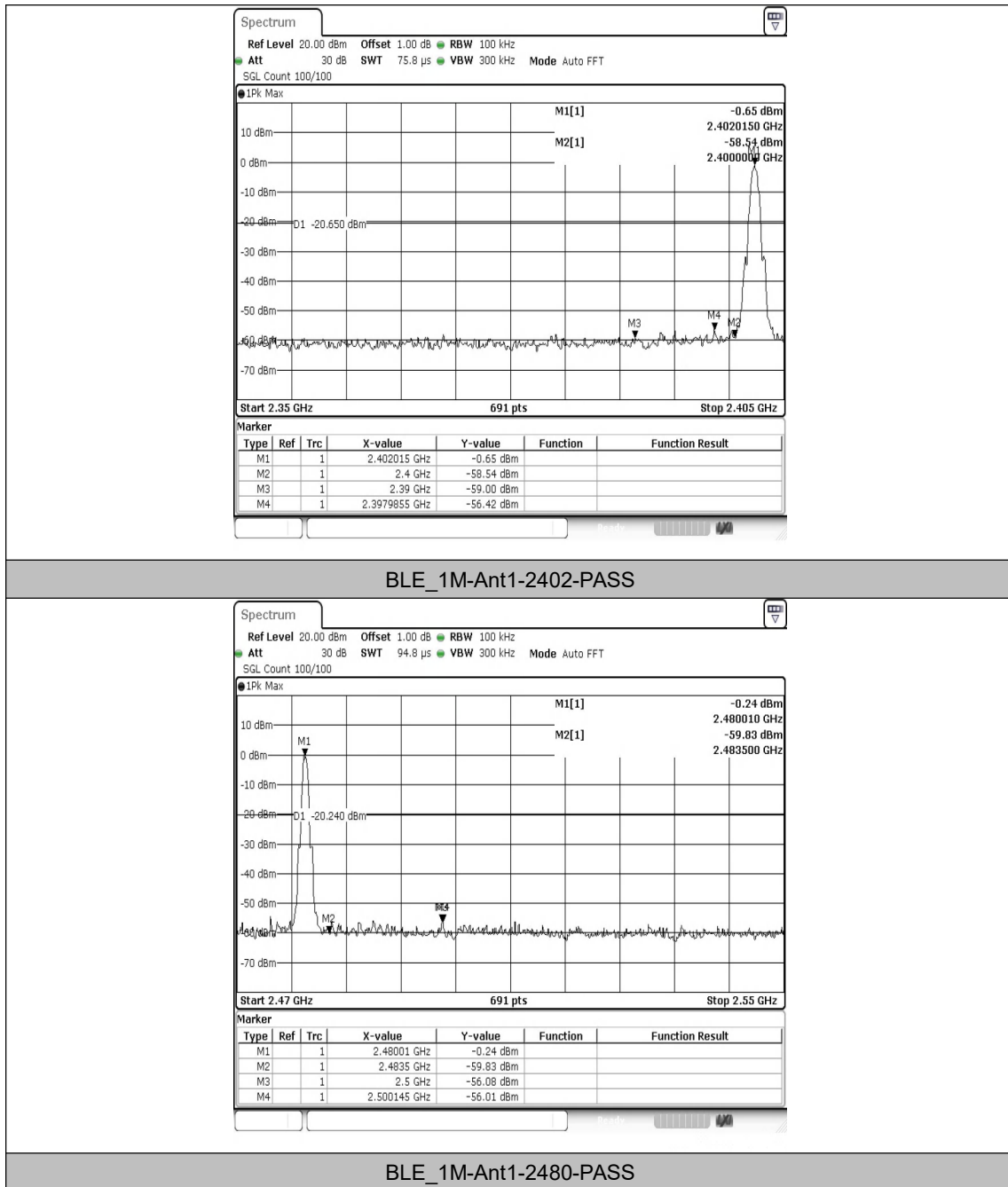
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.65	-56.42	≤-20.65	PASS
BLE_1M	Ant1	High	2480	-0.24	-56.01	≤-20.24	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



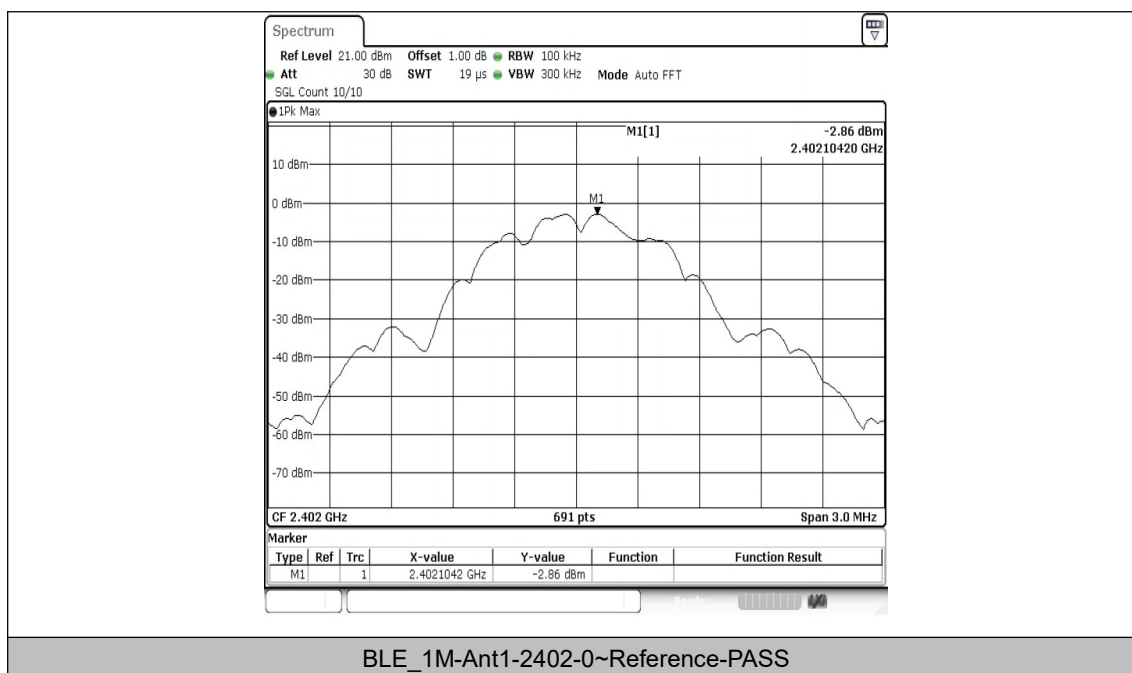
Appendix F: Conducted Spurious Emission

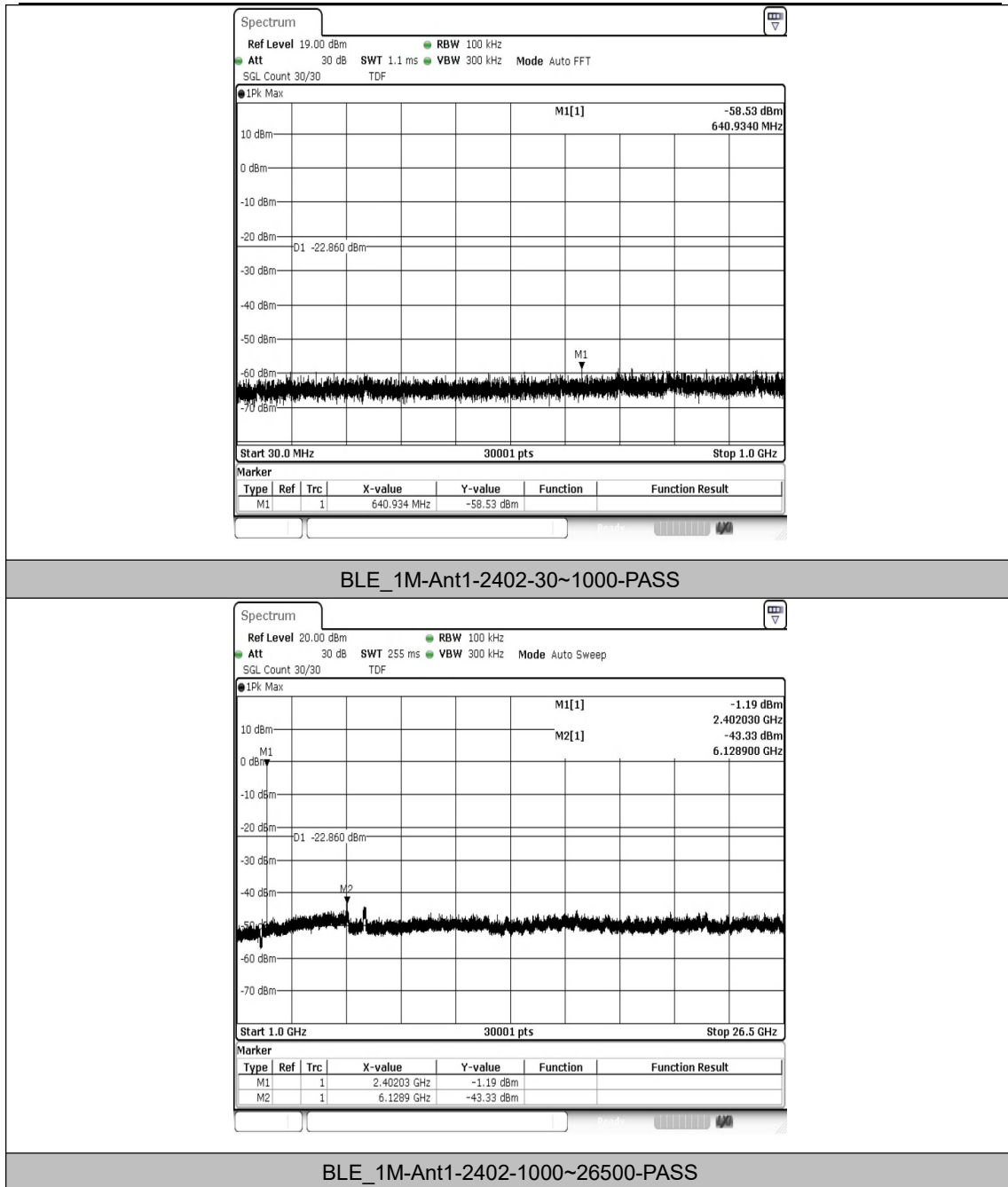
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-2.86	-2.86	---	PASS
BLE_1M	Ant1	2402	30~1000	-2.86	-58.53	≤-22.86	PASS
BLE_1M	Ant1	2402	1000~26500	-2.86	-43.33	≤-22.86	PASS
BLE_1M	Ant1	2440	0~Reference	-2.37	-2.37	---	PASS
BLE_1M	Ant1	2440	30~1000	-2.37	-58.14	≤-22.37	PASS
BLE_1M	Ant1	2440	1000~26500	-2.37	-43.33	≤-22.37	PASS
BLE_1M	Ant1	2480	0~Reference	-0.62	-0.62	---	PASS
BLE_1M	Ant1	2480	30~1000	-0.62	-57.54	≤-20.62	PASS
BLE_1M	Ant1	2480	1000~26500	-0.62	-44.4	≤-20.62	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

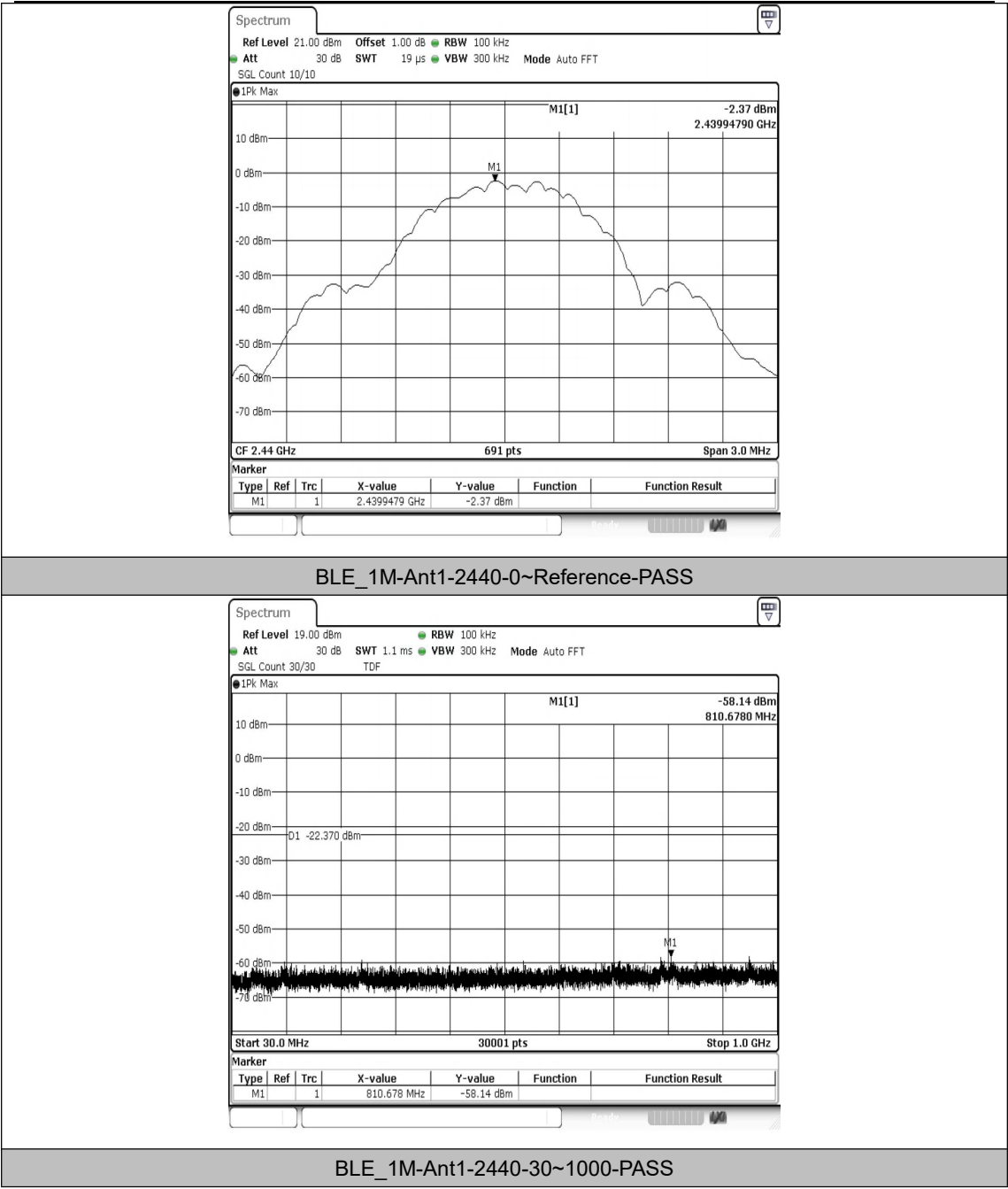




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BLE_1M-Ant1-2440-0~Reference-PASS

Spectrum

Ref Level 19.00 dBm

RBW 100 kHz

Att 30 dB

SWT 1.1 ms

VBW 300 kHz

Mode Auto FFT

SGL Count 30/30

TDF

1Pk Max

M1[1]

-58.14 dBm

810.6780 MHz

Start 30.0 MHz

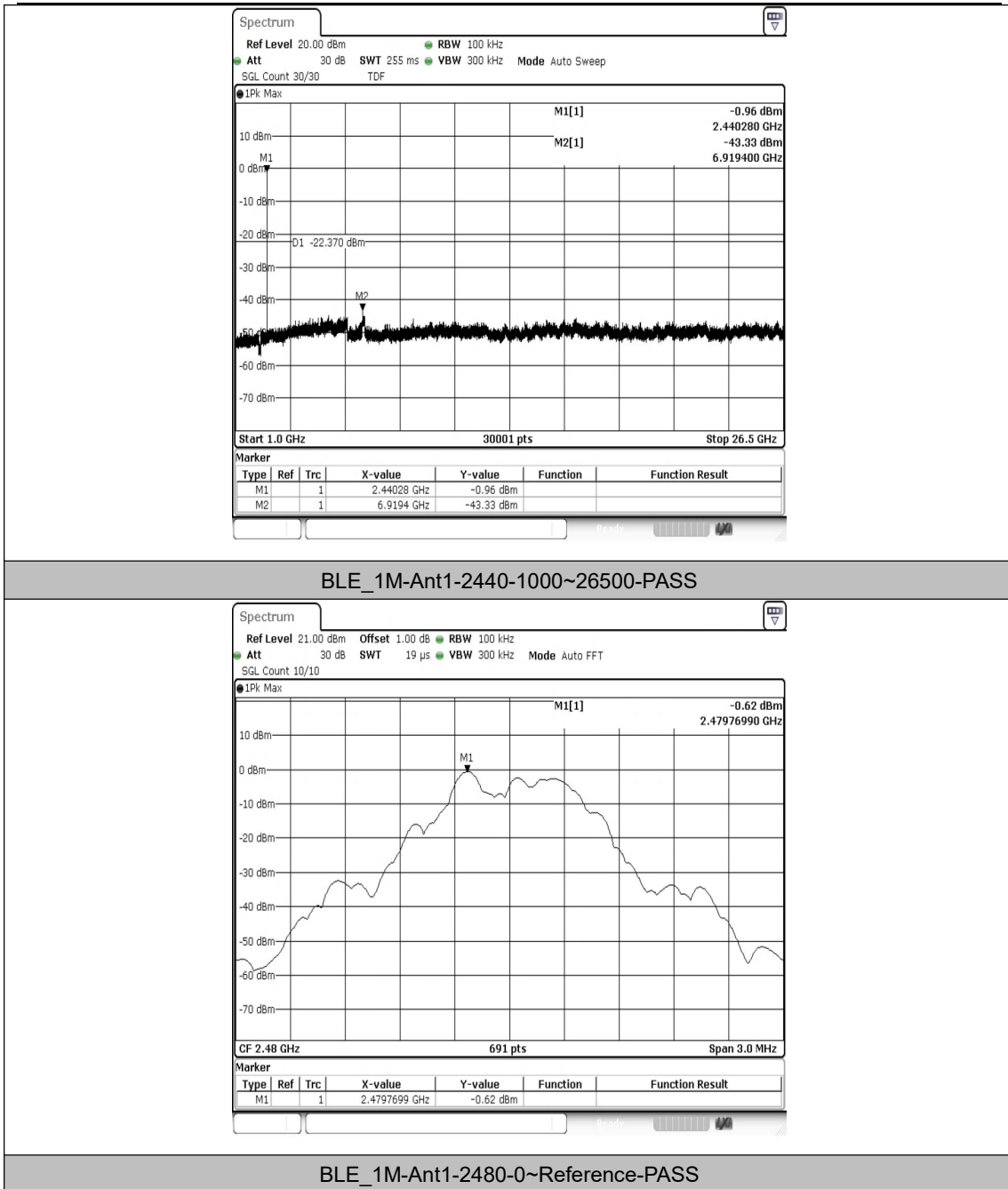
30001 pts

Stop 1.0 GHz

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	810.678 MHz	-58.14 dBm		

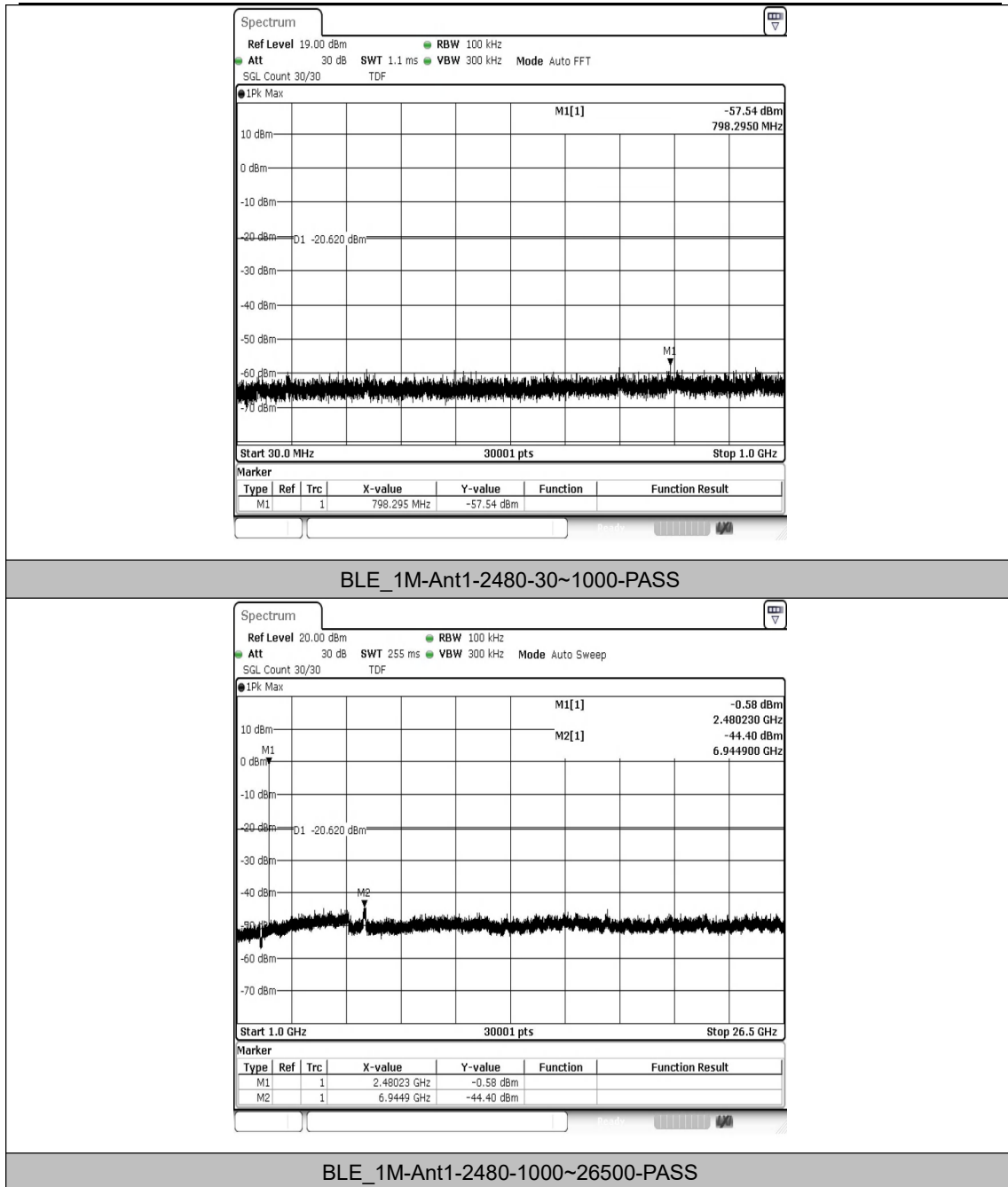
BLE_1M-Ant1-2440-30~1000-PASS



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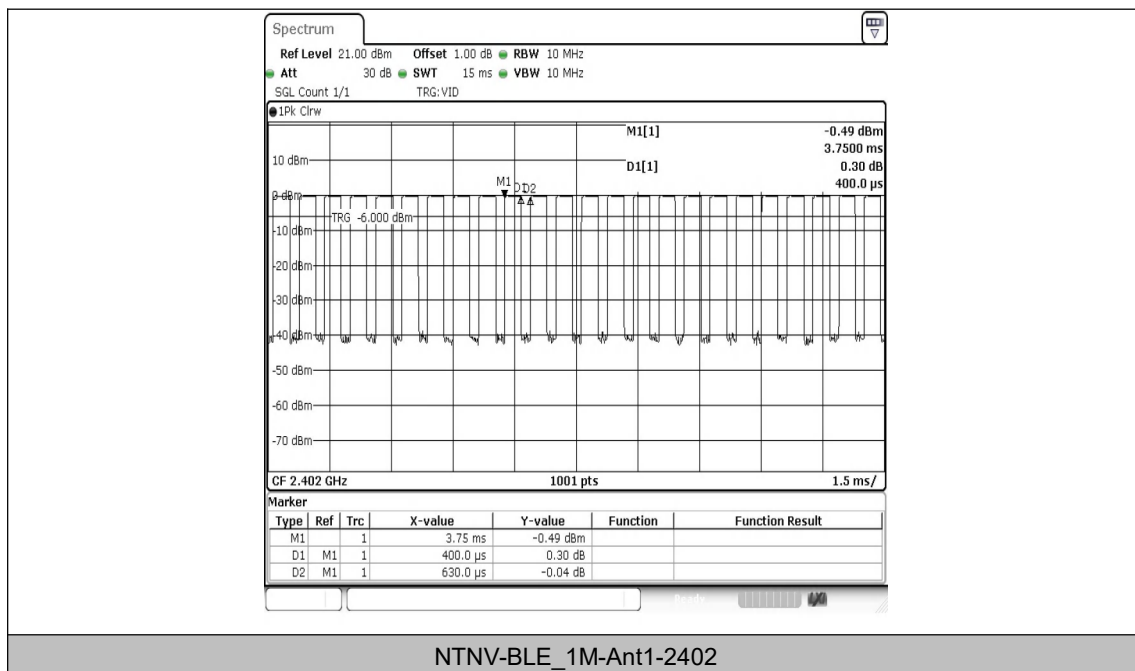
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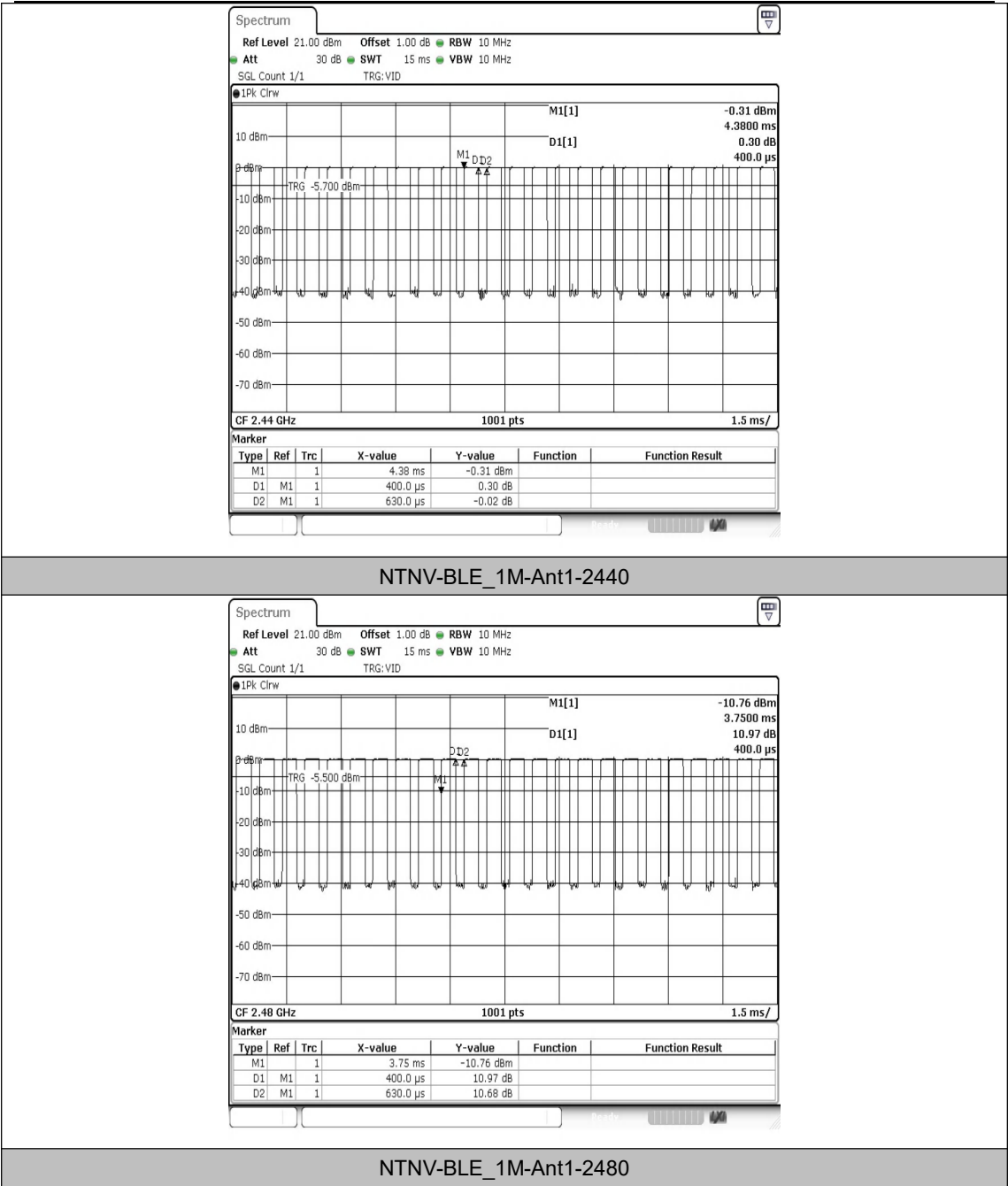
Appendix G: Duty Cycle

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	0.40	0.63	63.49	1.97
BLE_1M	Ant1	2480	0.40	0.63	63.49	1.97

Test Graphs





---End---