

Appendix Test Data

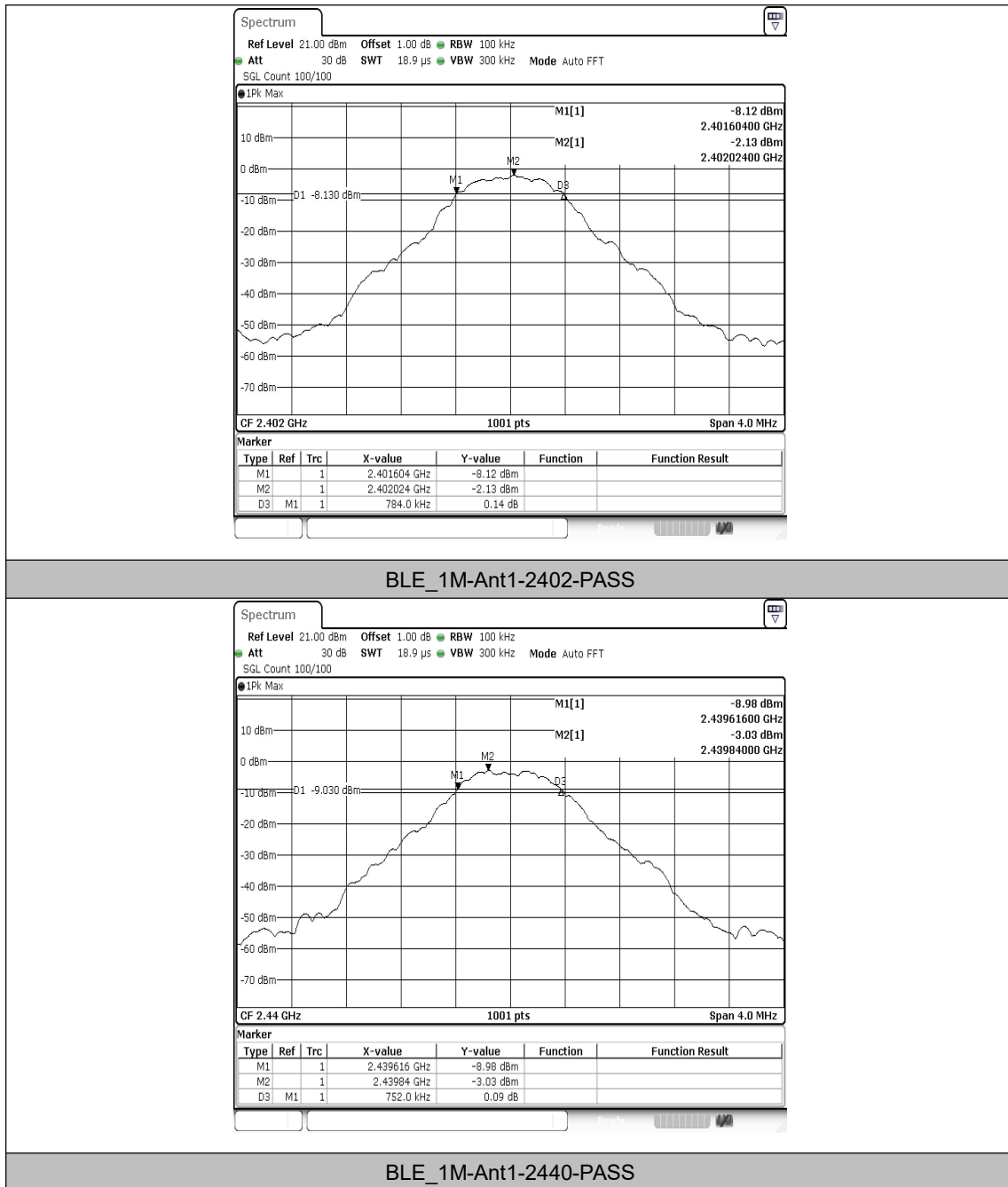
Report No.:	1816C50010612501	Test Sample No.:	1-2-2
Start Test Date:	2025-5-27	Finish Test Date:	2025-5-29
Test Engineer:	Hansen Guan	Auditor:	Justin Feng
Temperature:	26°C	Relative Humidity:	52%
Pressure:	101kPa		

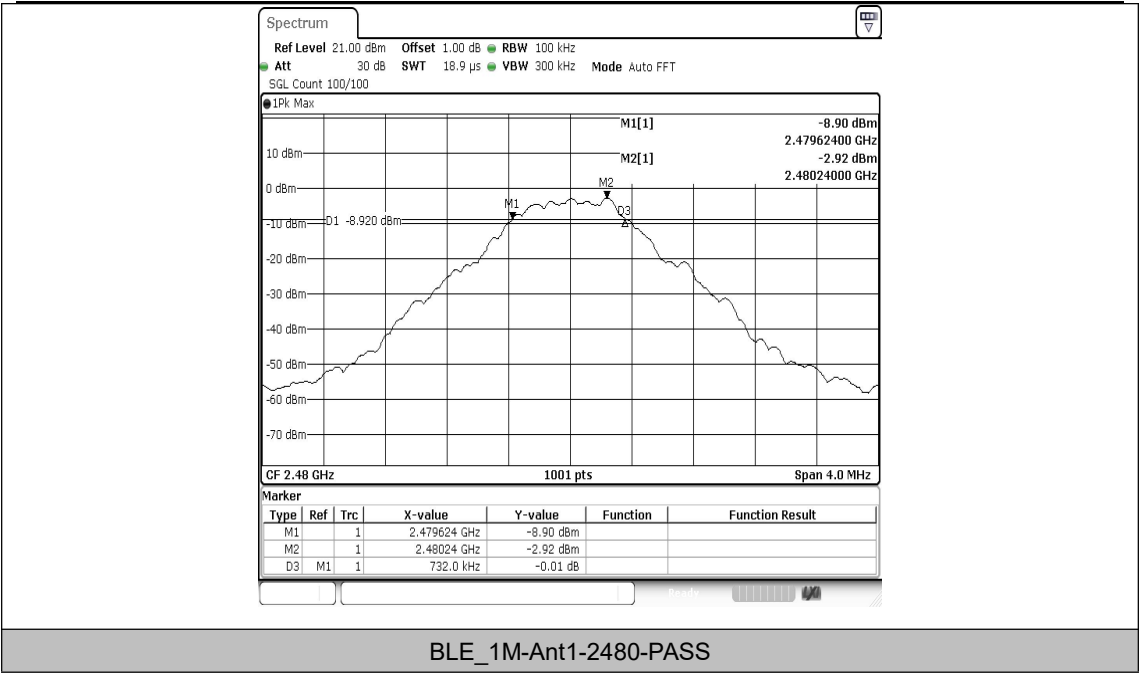
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.78	2401.60	2402.39	0.5	PASS
BLE_1M	Ant1	2440	0.75	2439.62	2440.37	0.5	PASS
BLE_1M	Ant1	2480	0.73	2479.62	2480.36	0.5	PASS

## Test Graphs





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Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China  
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## 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	2401.4565	2402.5754	---	---
BLE_1M	Ant1	2440	1.1868	2439.4126	2440.5994	---	---
BLE_1M	Ant1	2480	1.2388	2479.3806	2480.6194	---	---

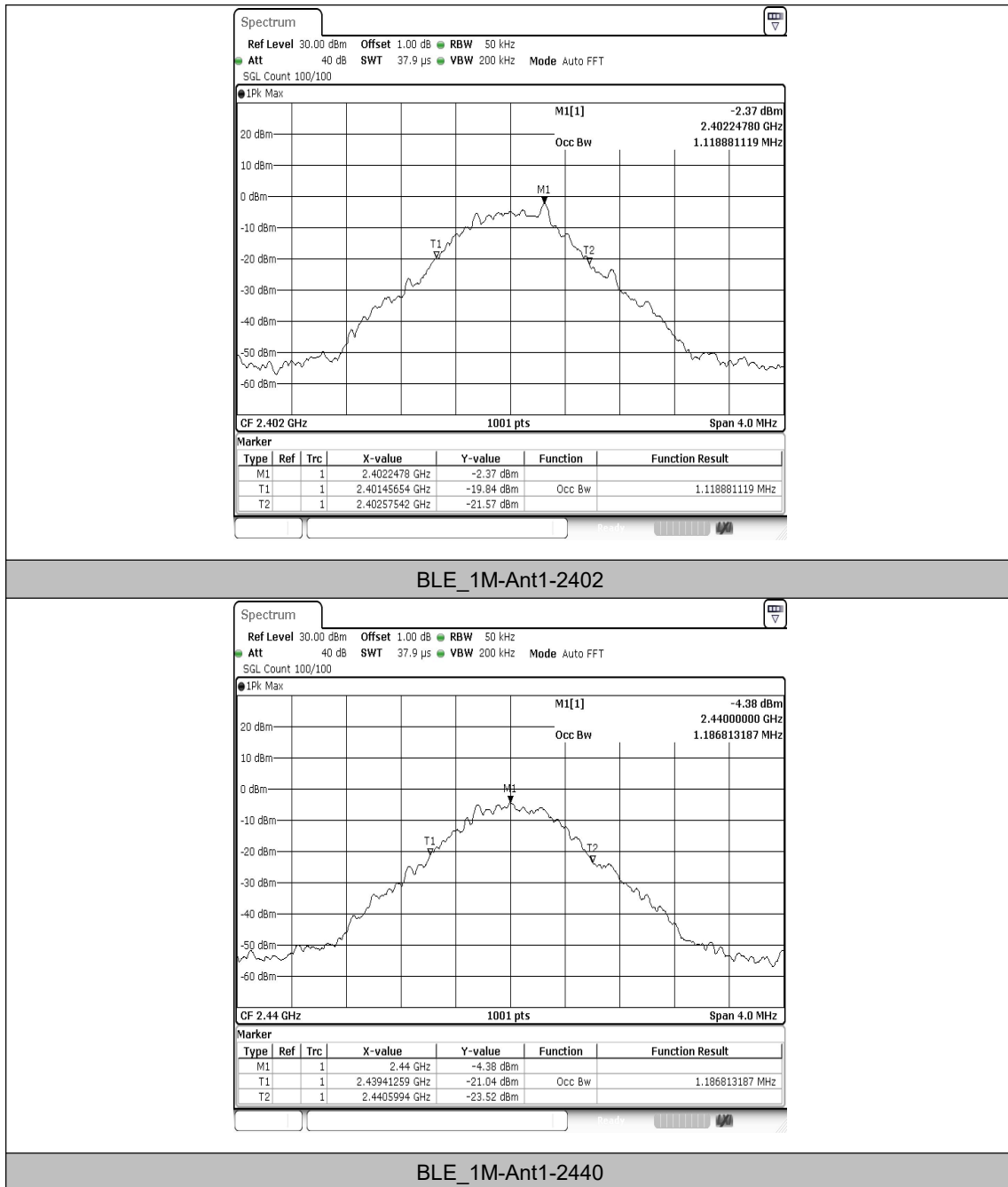
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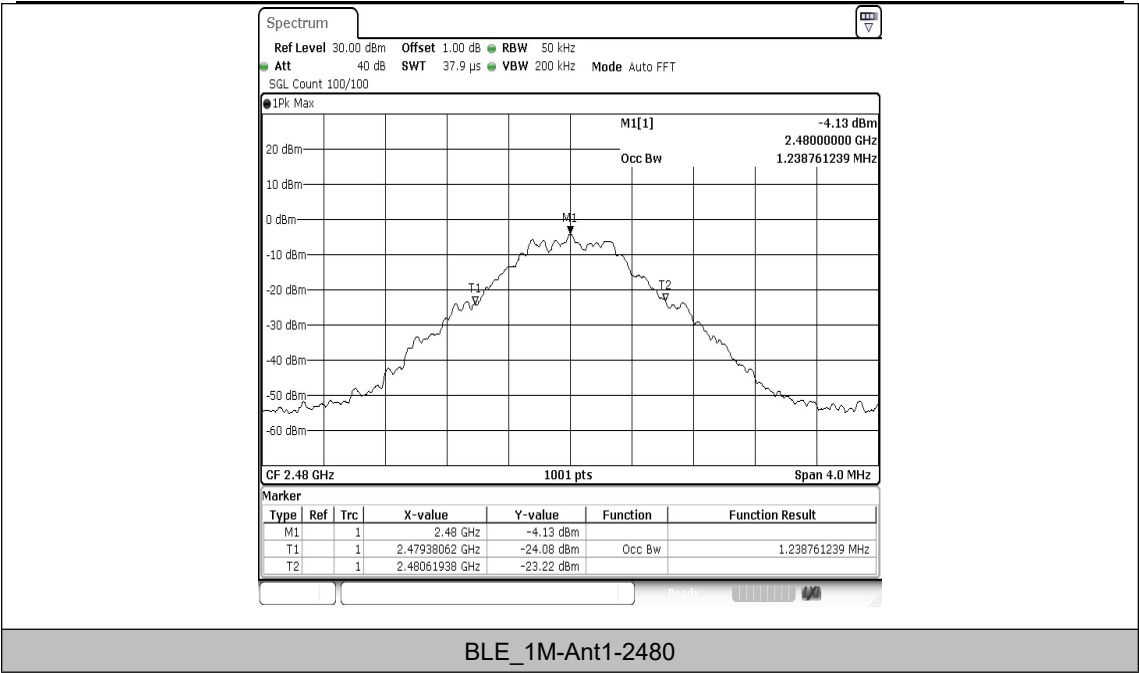
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## Test Graphs





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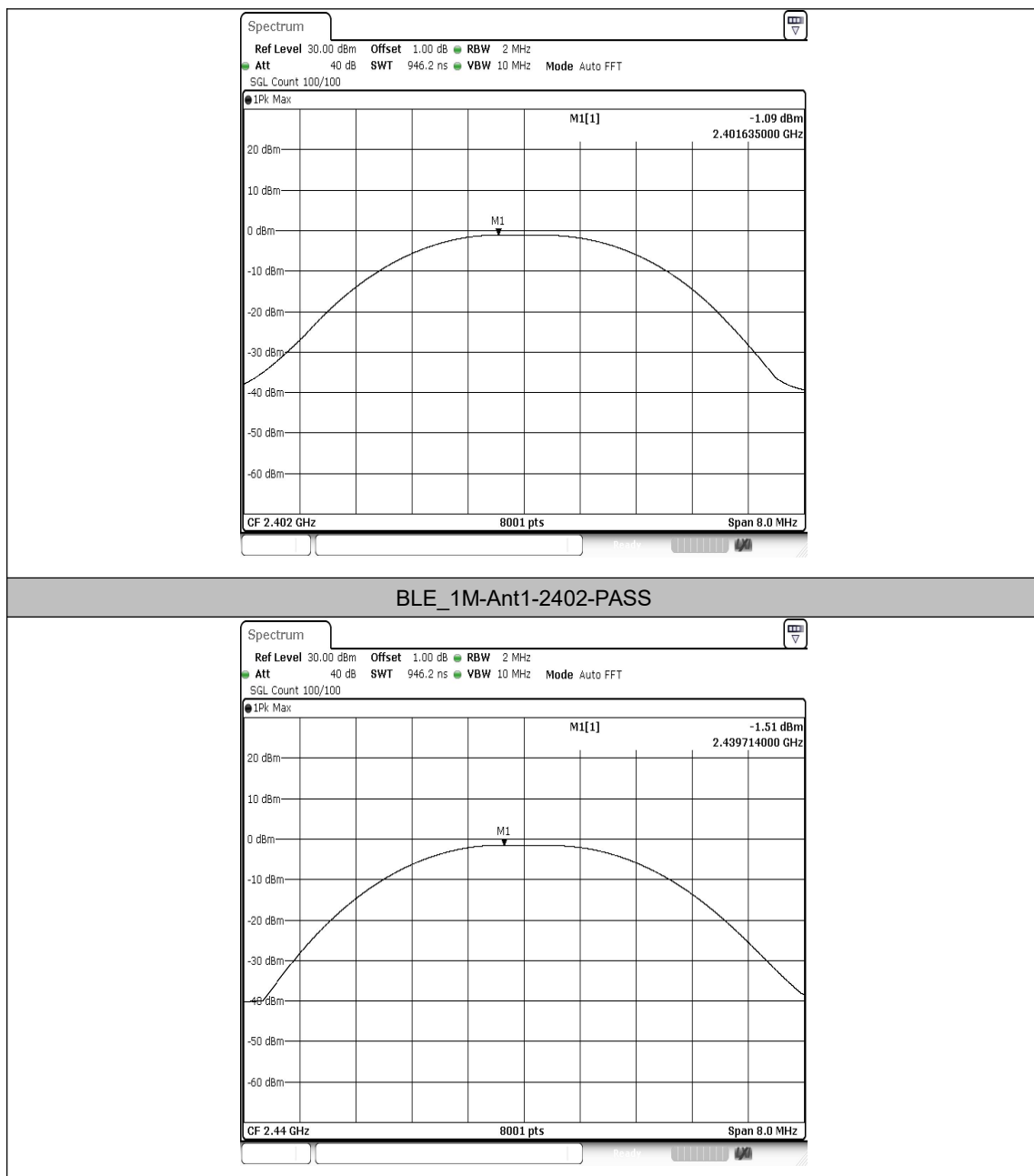
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## Appendix C: Maximum conducted output power

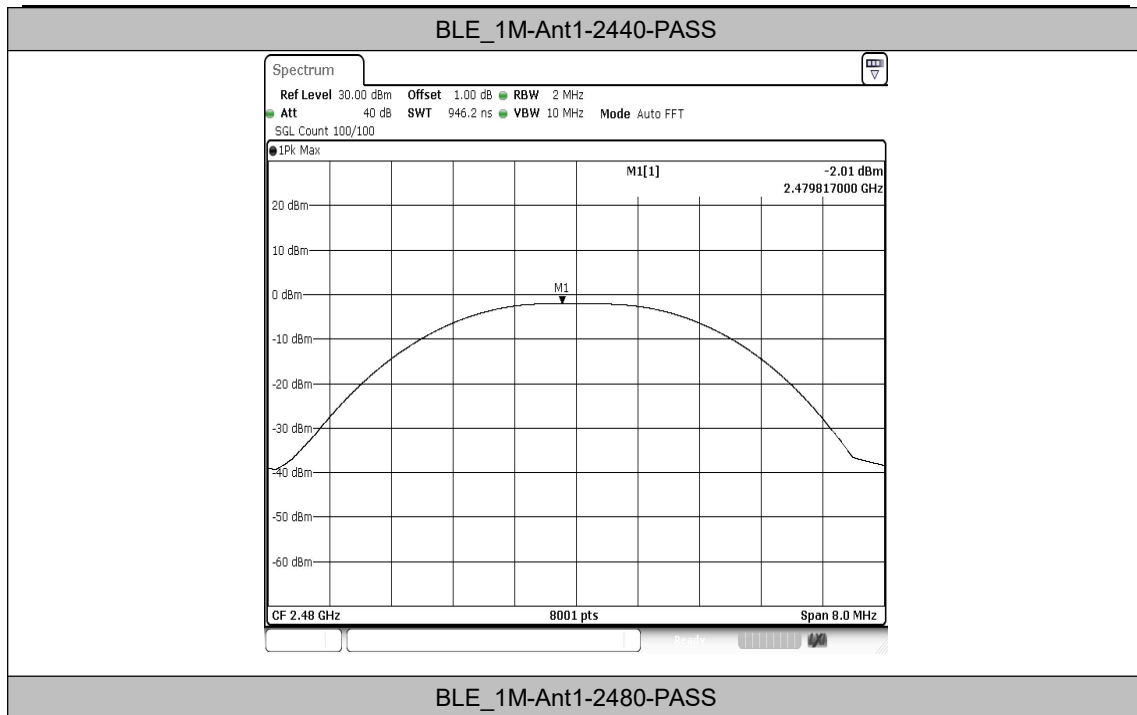
### Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.09	≤30	PASS
BLE_1M	Ant1	2440	-1.51	≤30	PASS
BLE_1M	Ant1	2480	-2.01	≤30	PASS

### Test Graphs Peak



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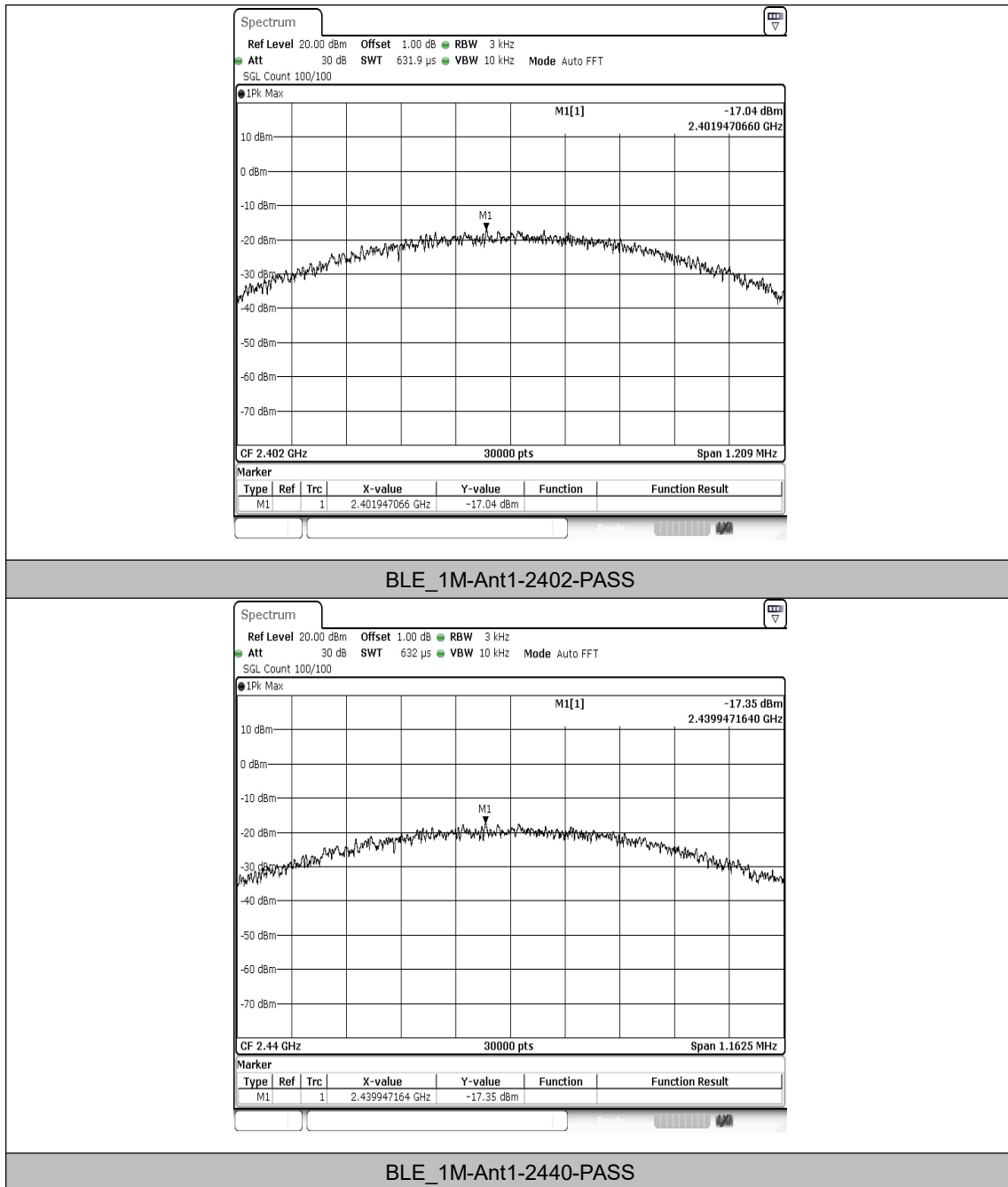
## Appendix D: Maximum power spectral density

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-17.04	≤8.00	PASS
BLE_1M	Ant1	2440	-17.35	≤8.00	PASS
BLE_1M	Ant1	2480	-18.16	≤8.00	PASS



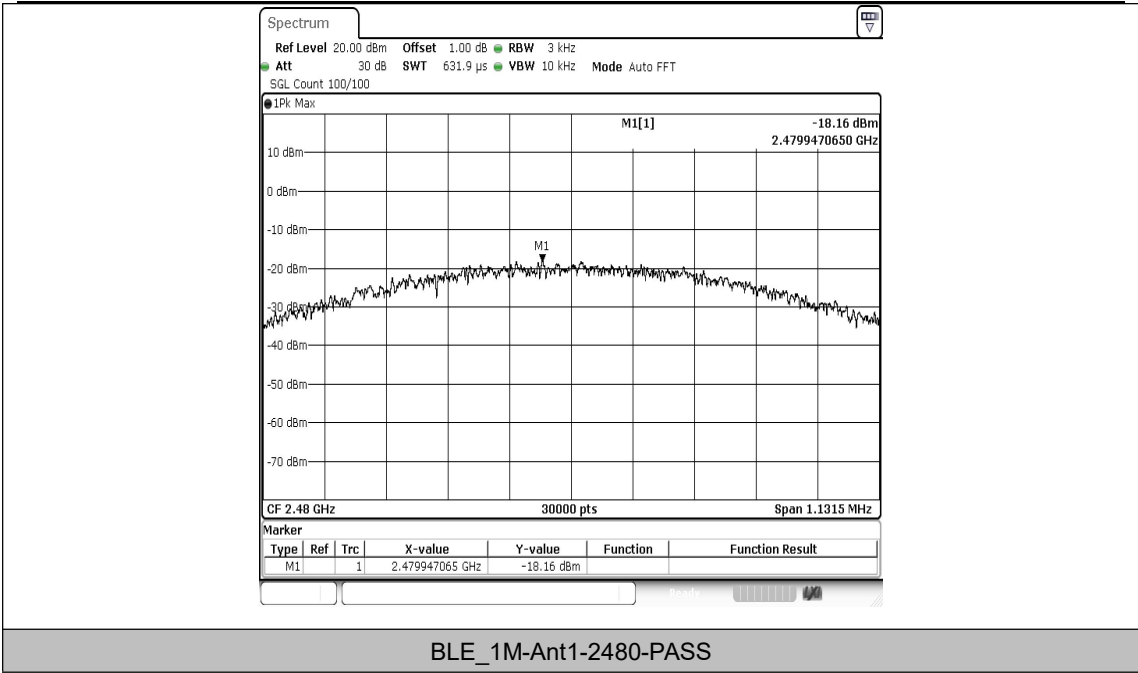
## Test Graphs



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## Appendix E: Band edge measurements

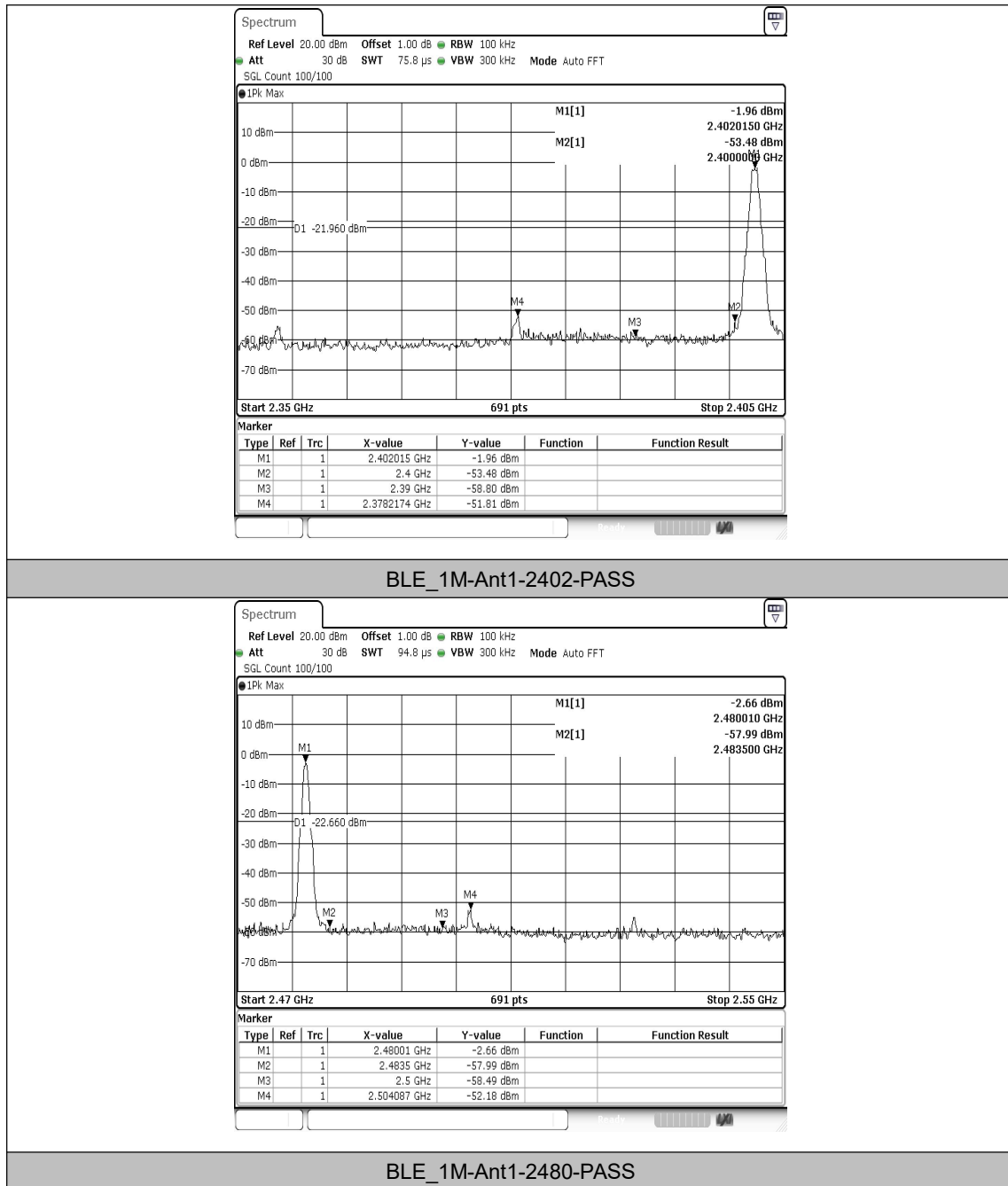
### Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.96	-51.81	≤-21.96	PASS
BLE_1M	Ant1	High	2480	-2.66	-52.18	≤-22.66	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



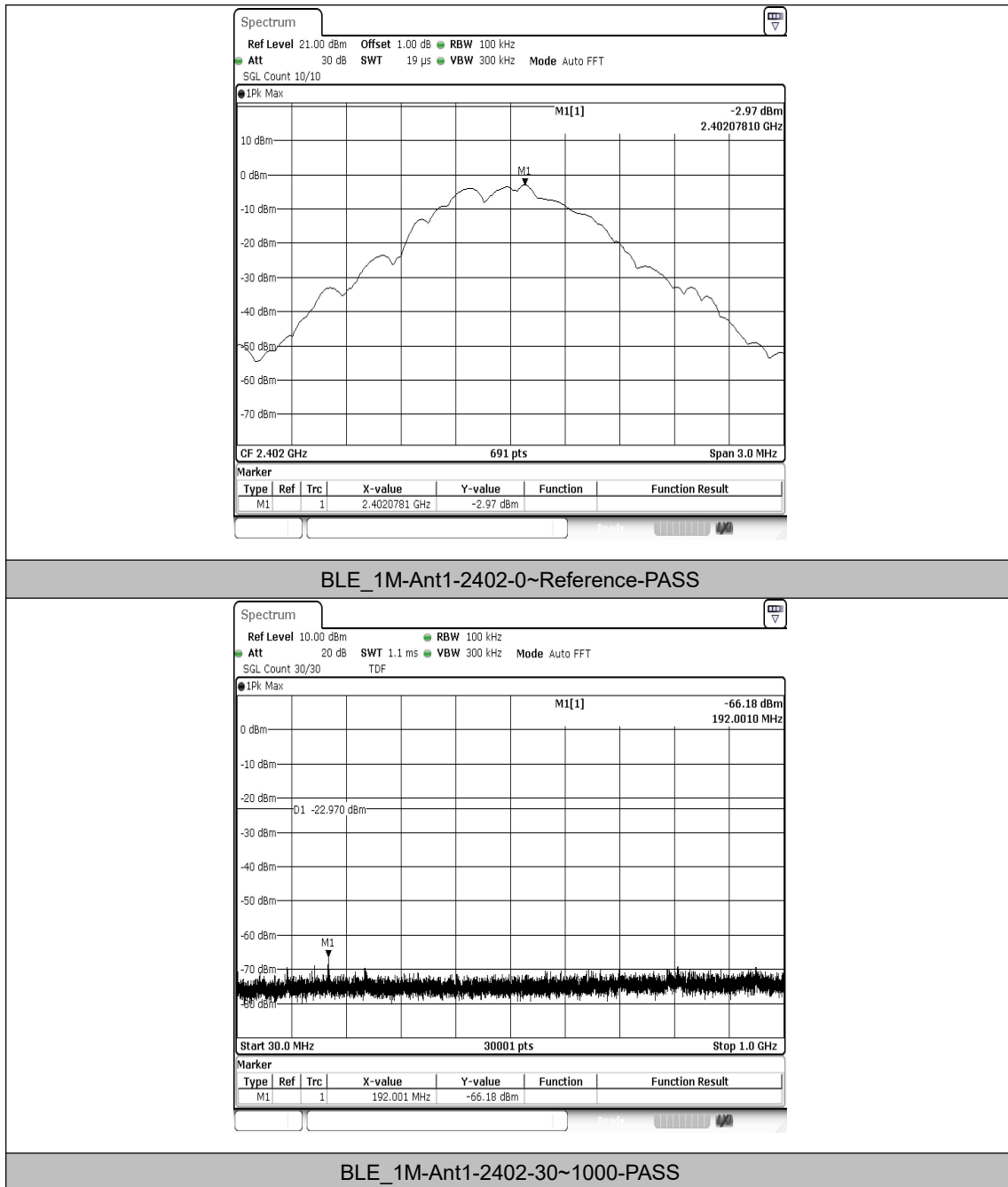
## Appendix F: Conducted Spurious Emission

### Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-2.97	-2.97	---	PASS
BLE_1M	Ant1	2402	30~1000	-2.97	-66.18	≤-22.97	PASS
BLE_1M	Ant1	2402	1000~26500	-2.97	-41.81	≤-22.97	PASS
BLE_1M	Ant1	2440	0~Reference	-3.45	-3.45	---	PASS
BLE_1M	Ant1	2440	30~1000	-3.45	-65.53	≤-23.45	PASS
BLE_1M	Ant1	2440	1000~26500	-3.45	-41.6	≤-23.45	PASS
BLE_1M	Ant1	2480	0~Reference	-4.55	-4.55	---	PASS
BLE_1M	Ant1	2480	30~1000	-4.55	-67.91	≤-24.55	PASS
BLE_1M	Ant1	2480	1000~26500	-4.55	-40.83	≤-24.55	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.

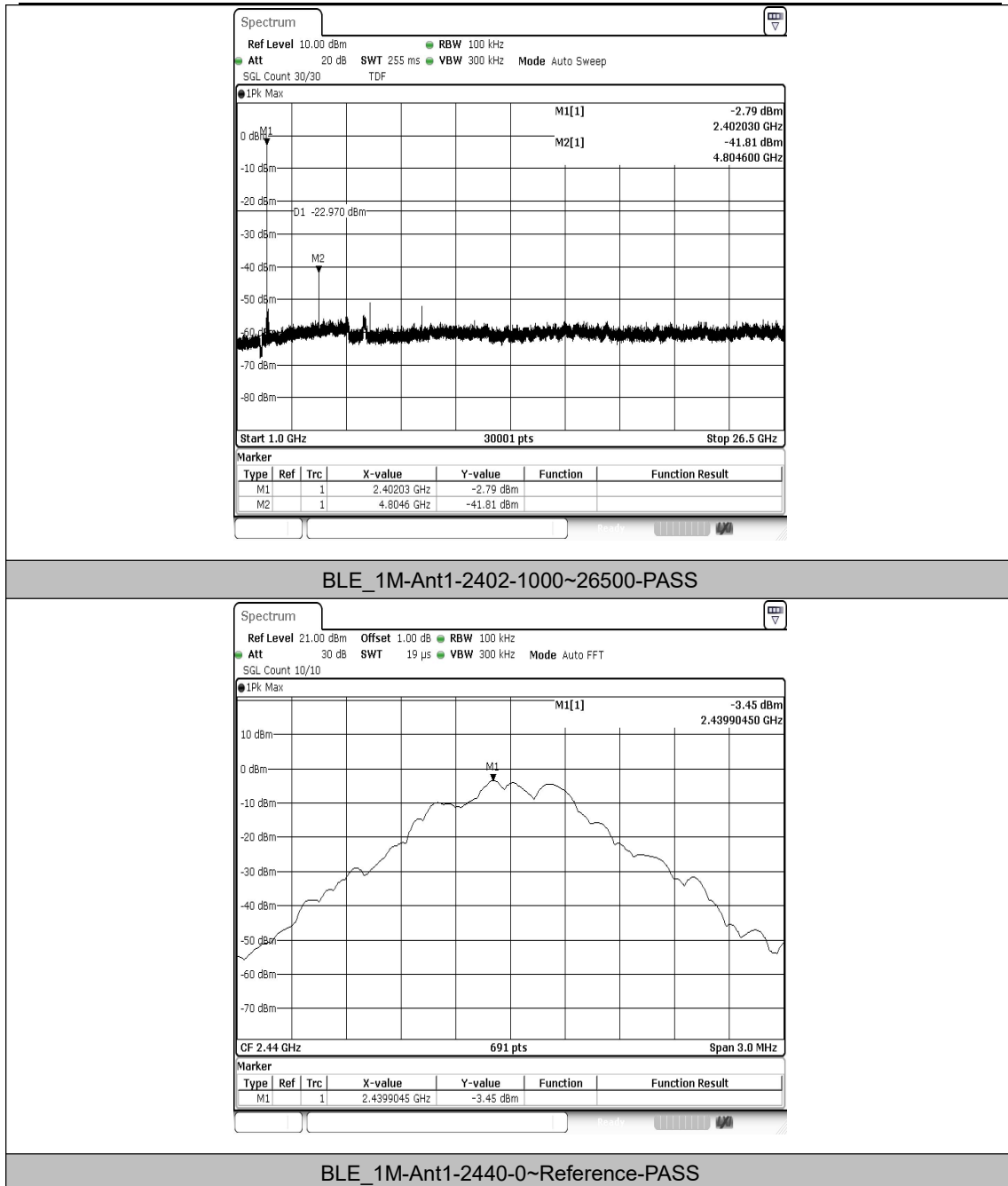
## Test Graphs



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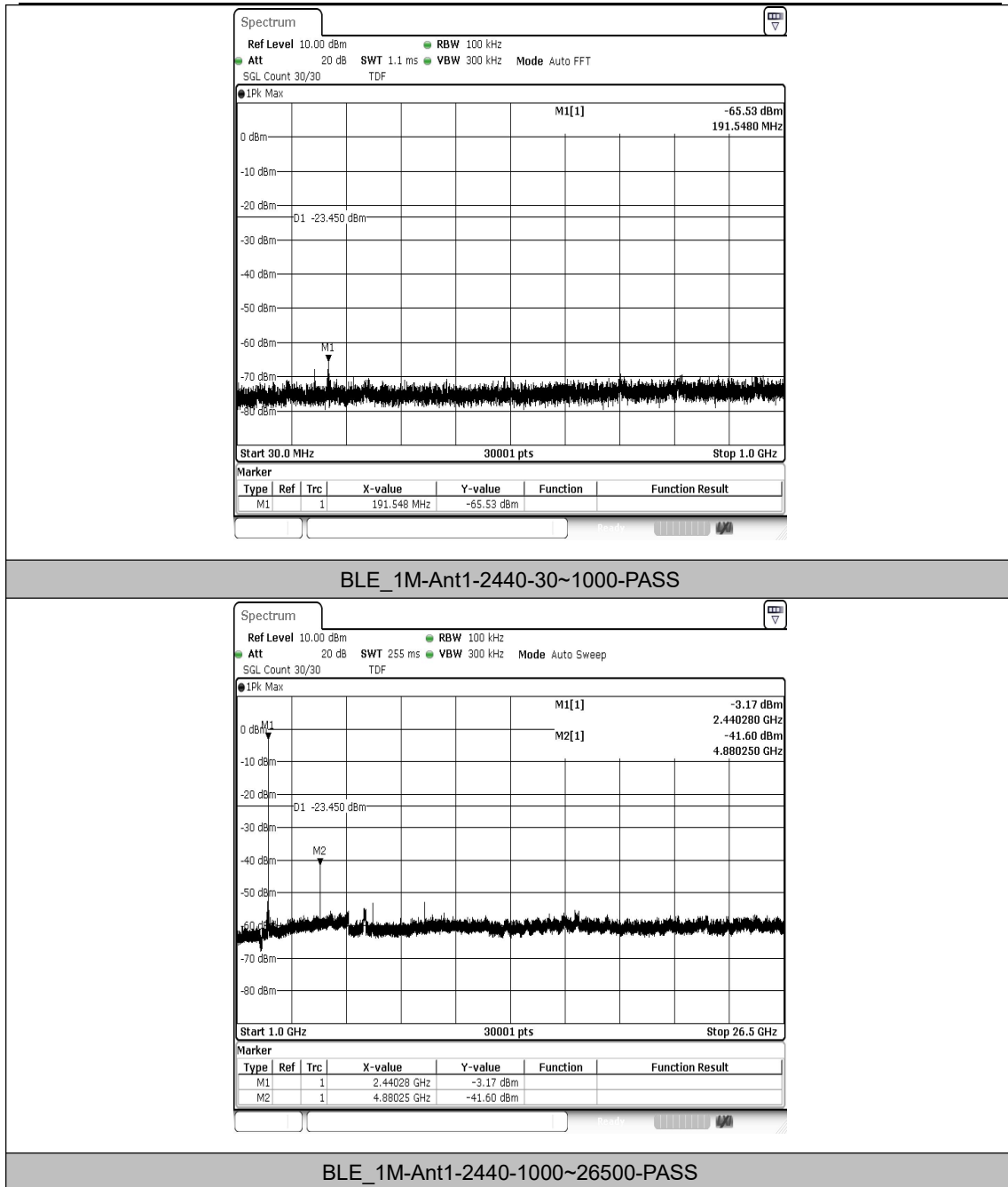


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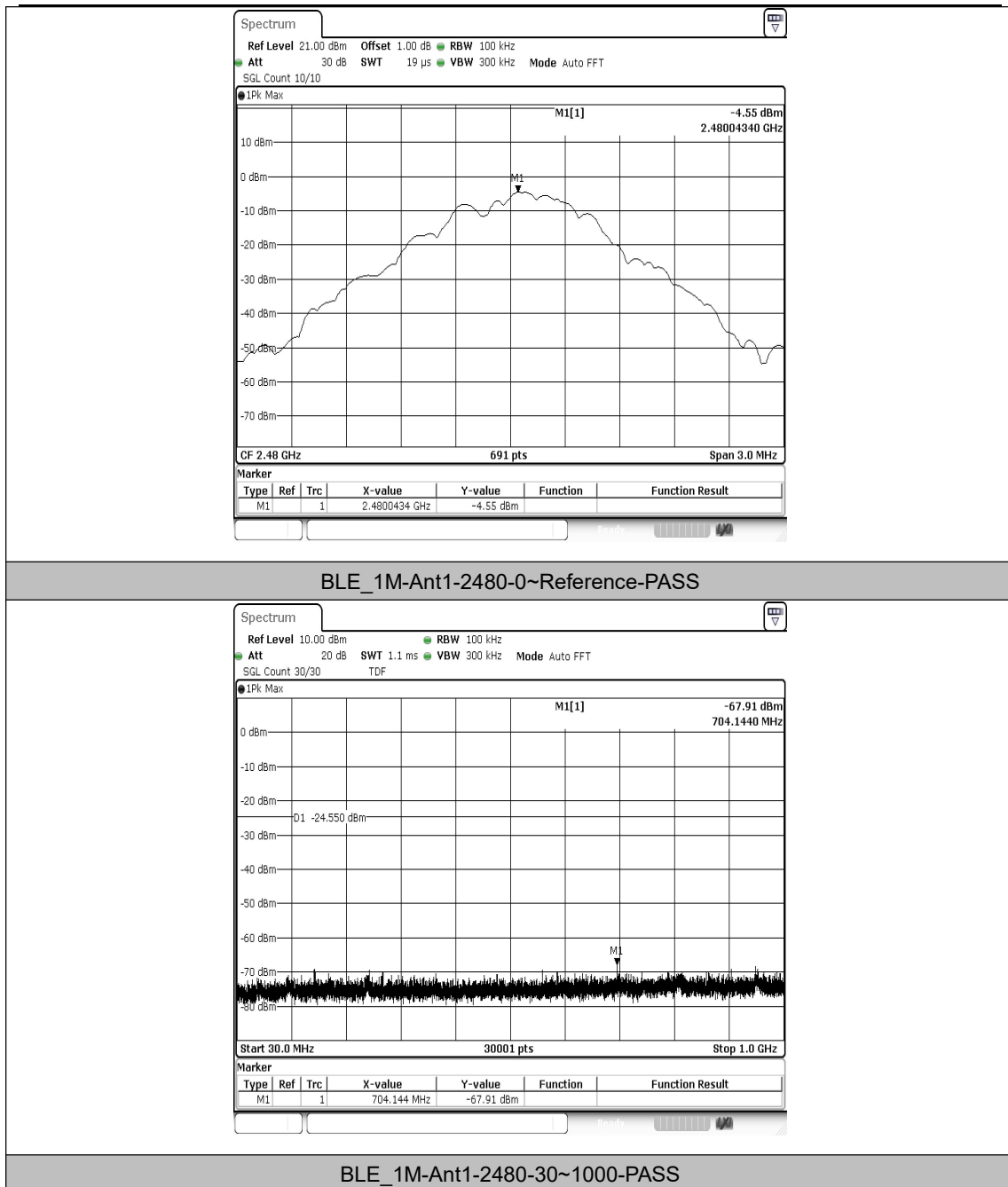




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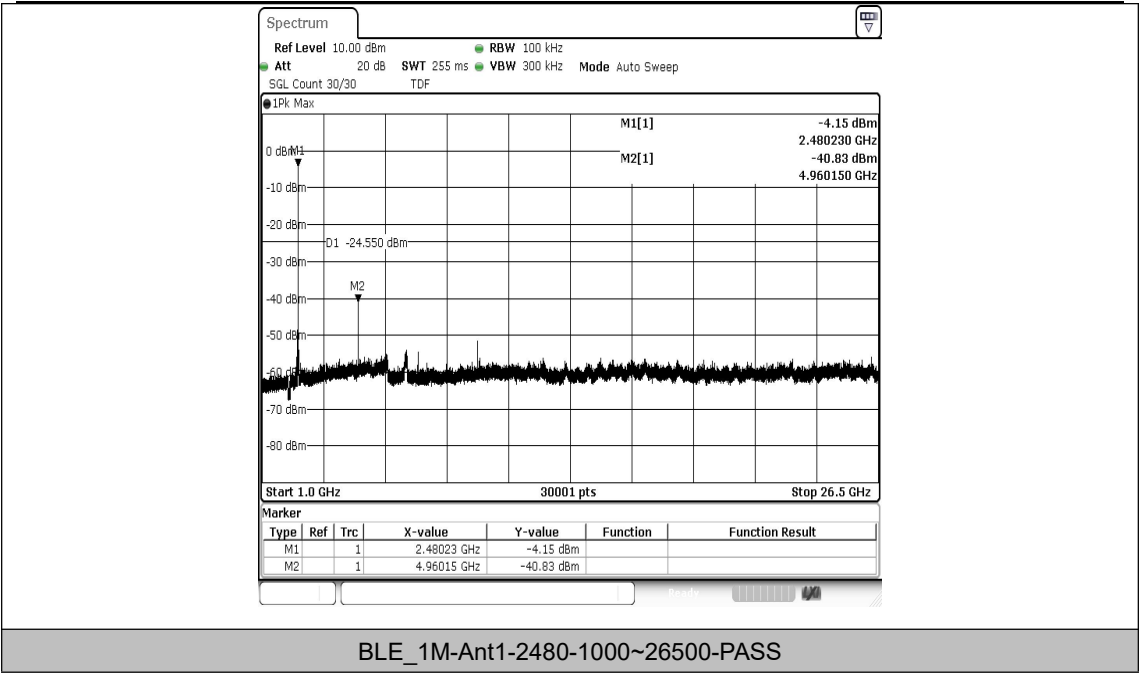
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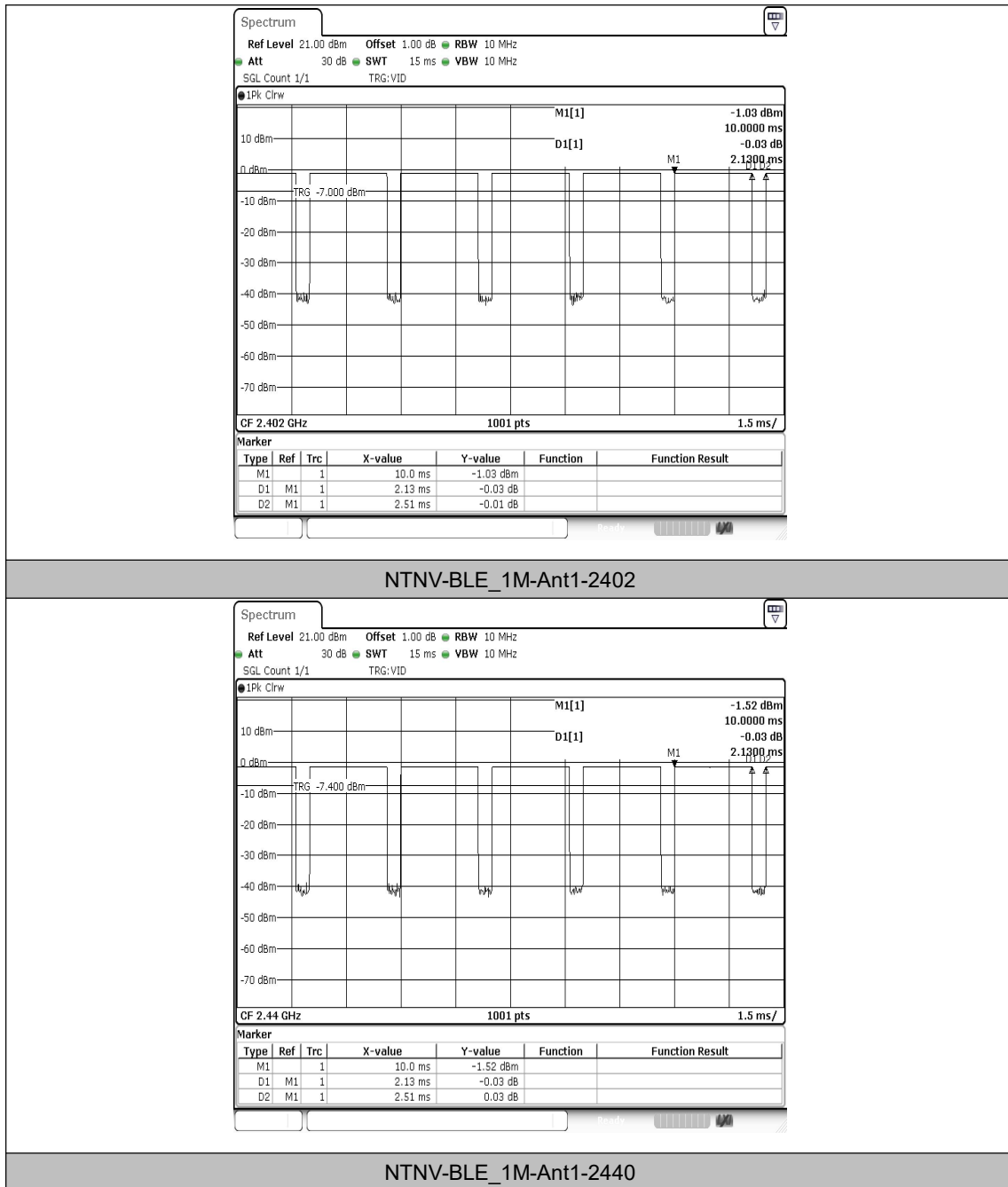
## Appendix G: Duty Cycle

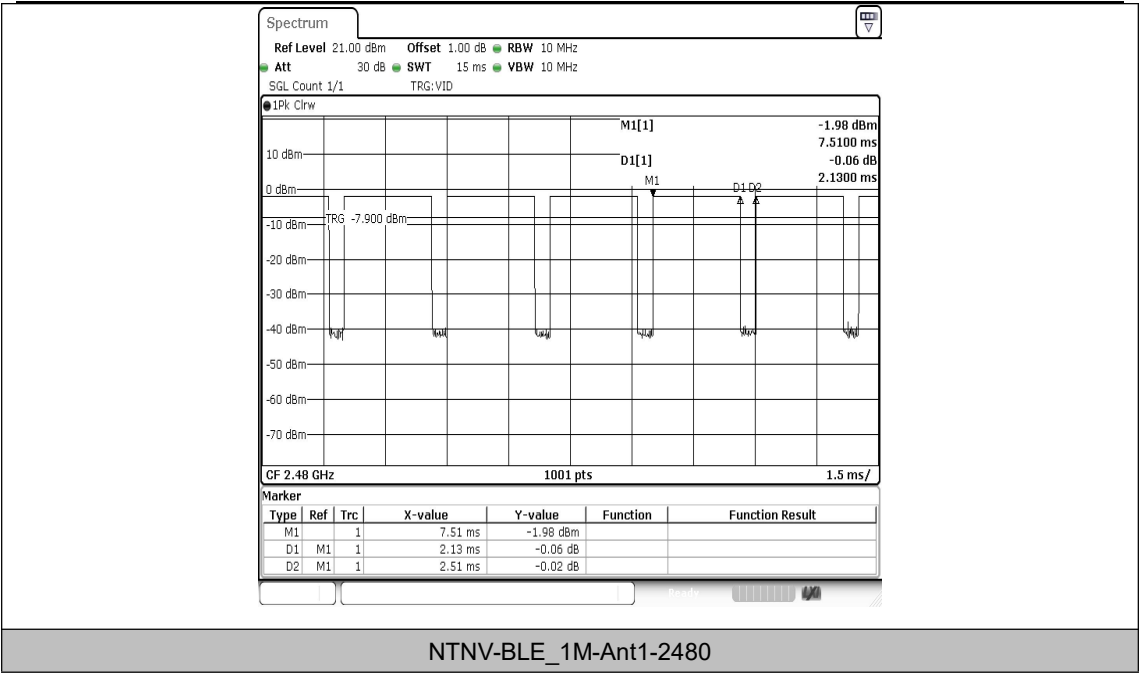
### Test Result

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



## Test Graphs





---End---