

## Appendix Test Data

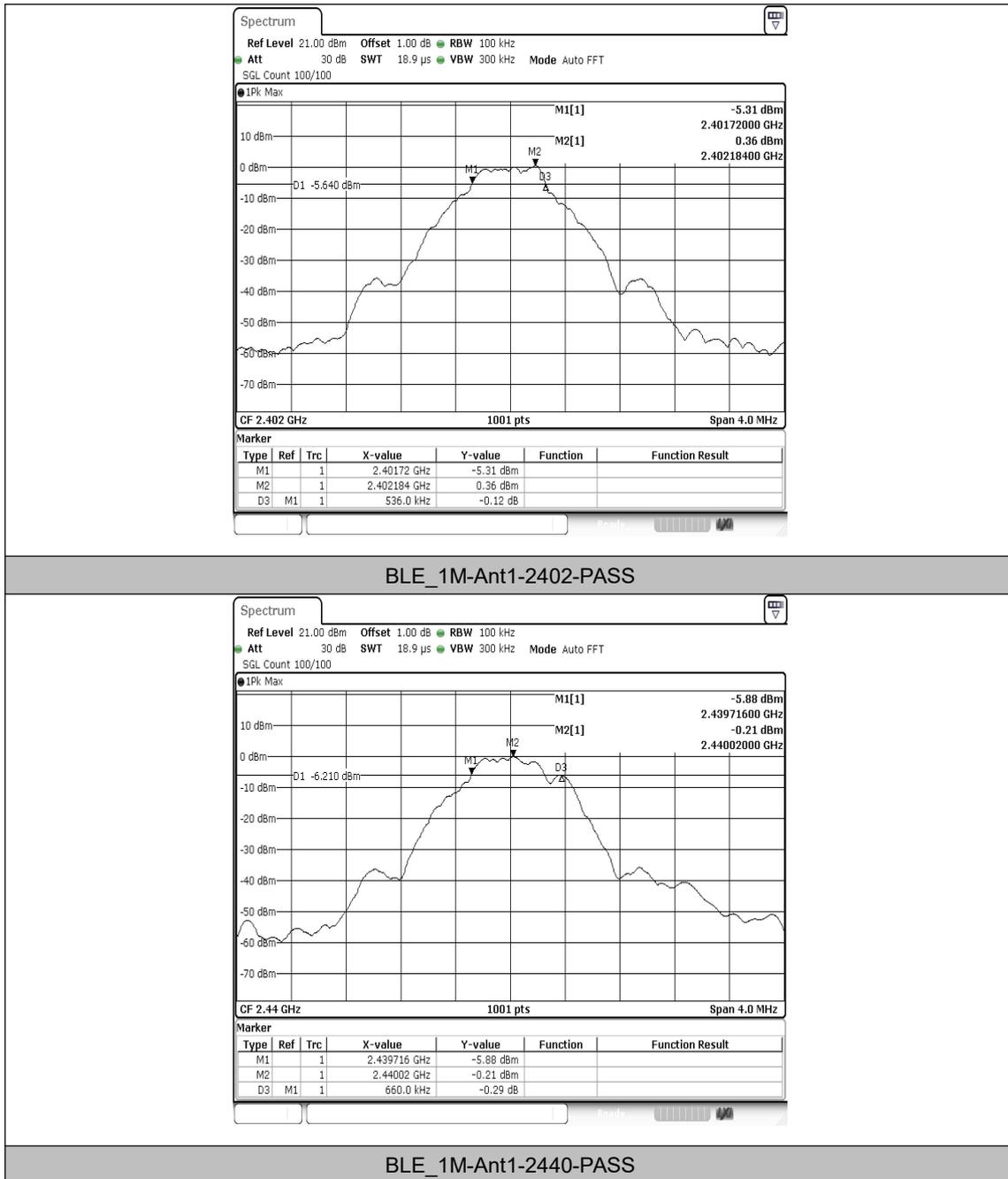
Report No.:	1812C50342812501	Test Sample No.:	1-2-2
Start Test Date:	2025-7-11	Finish Test Date:	2025-8-4
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.7°C	Relative Humidity:	44%
Pressure:	101kPa		

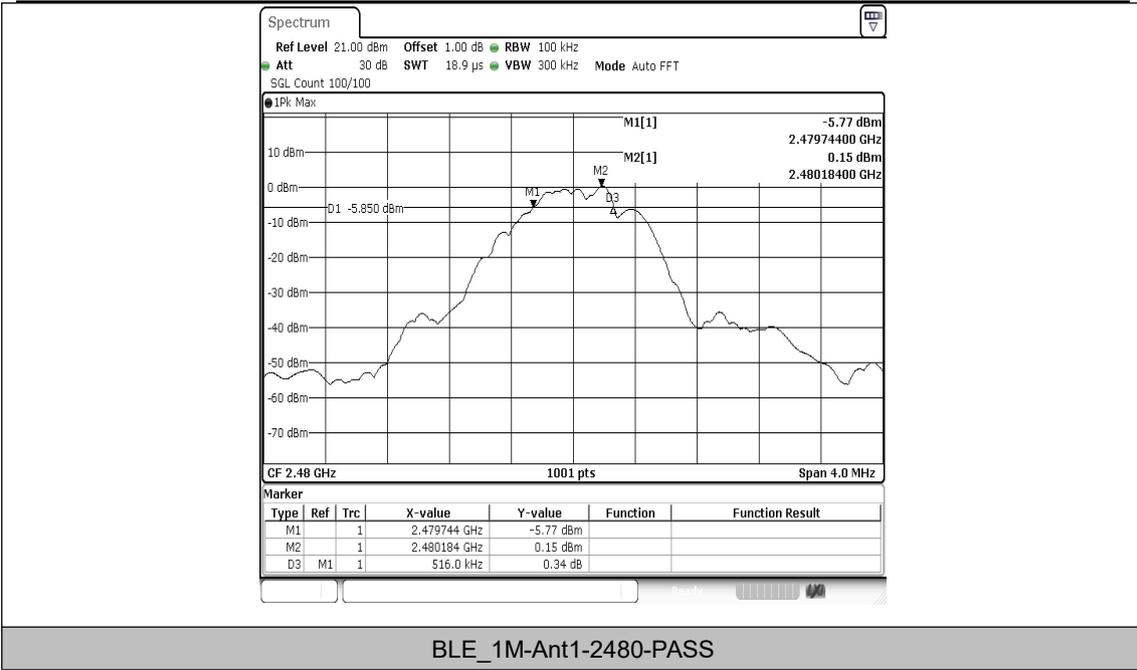
### Appendix A: 6dB Bandwidth

#### Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.54	2401.72	2402.26	0.5	PASS
BLE_1M	Ant1	2440	0.66	2439.72	2440.38	0.5	PASS
BLE_1M	Ant1	2480	0.52	2479.74	2480.26	0.5	PASS

**Test Graphs**





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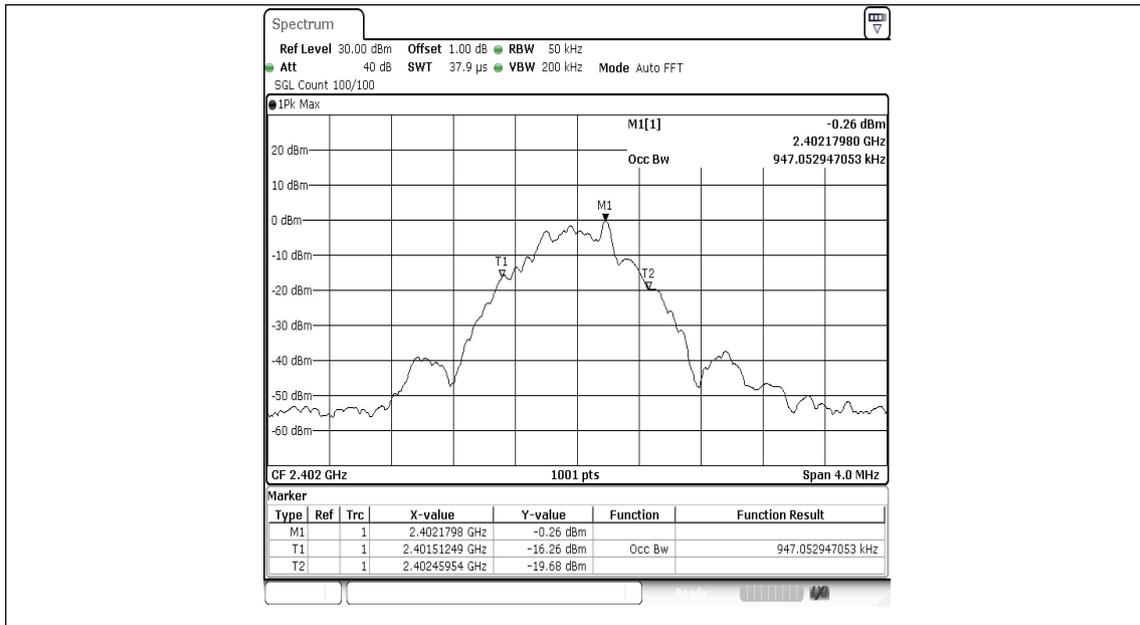
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## Appendix B: 99% Occupied Bandwidth

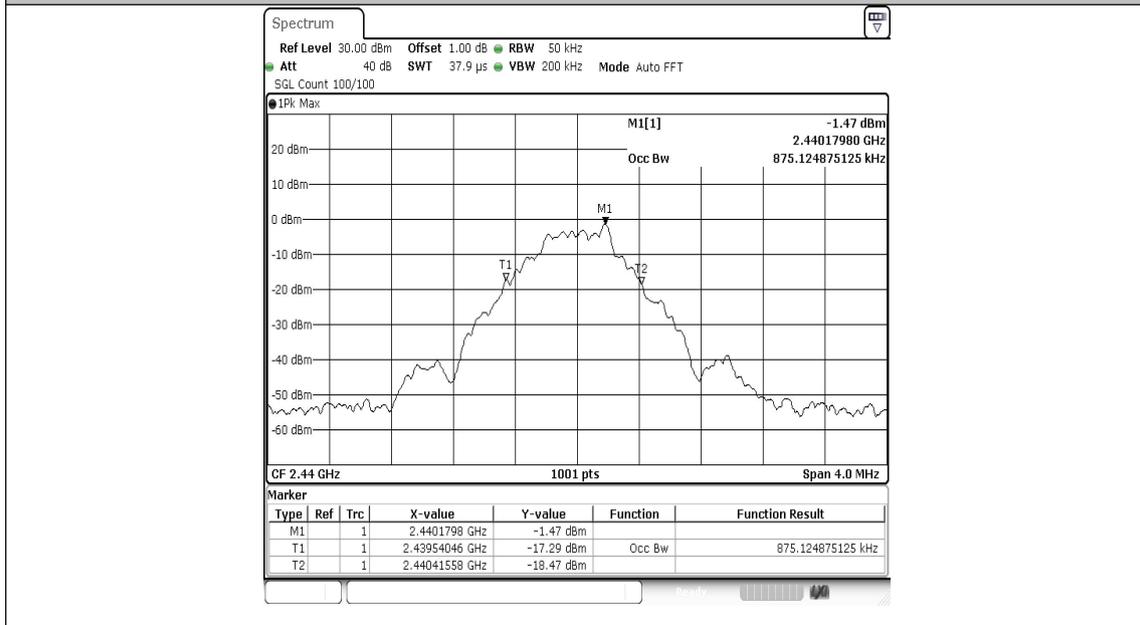
### Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.94705	2401.5125	2402.4595	---	---
BLE_1M	Ant1	2440	0.87512	2439.5405	2440.4156	---	---
BLE_1M	Ant1	2480	0.95904	2479.5245	2480.4835	---	---

**Test Graphs**



BLE\_1M-Ant1-2402

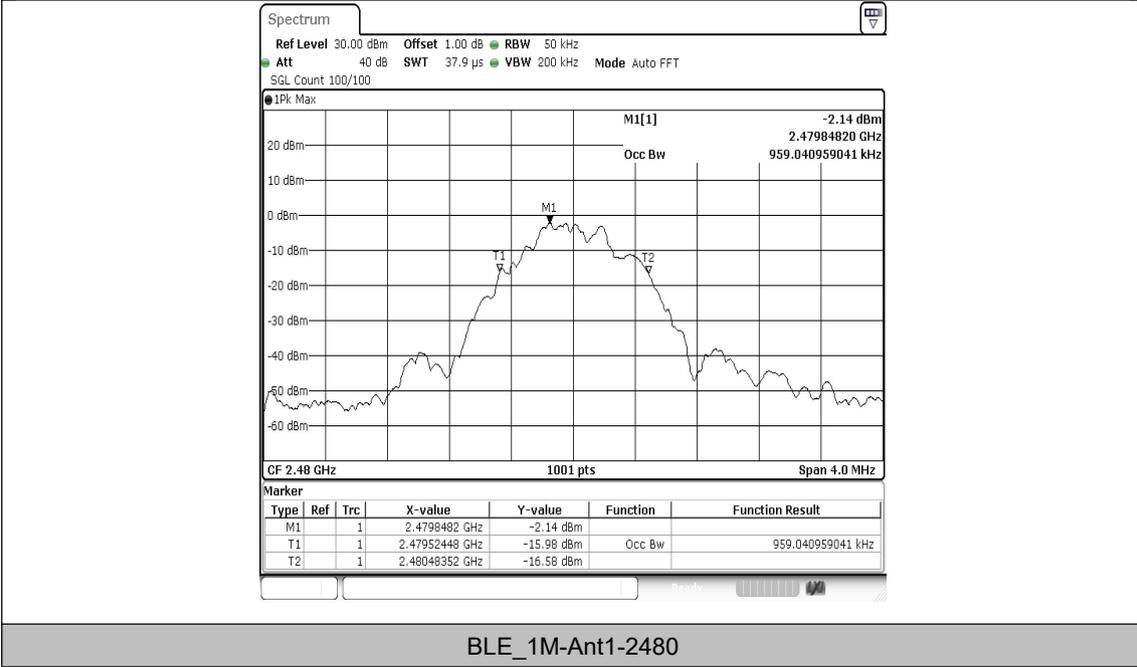


BLE\_1M-Ant1-2440

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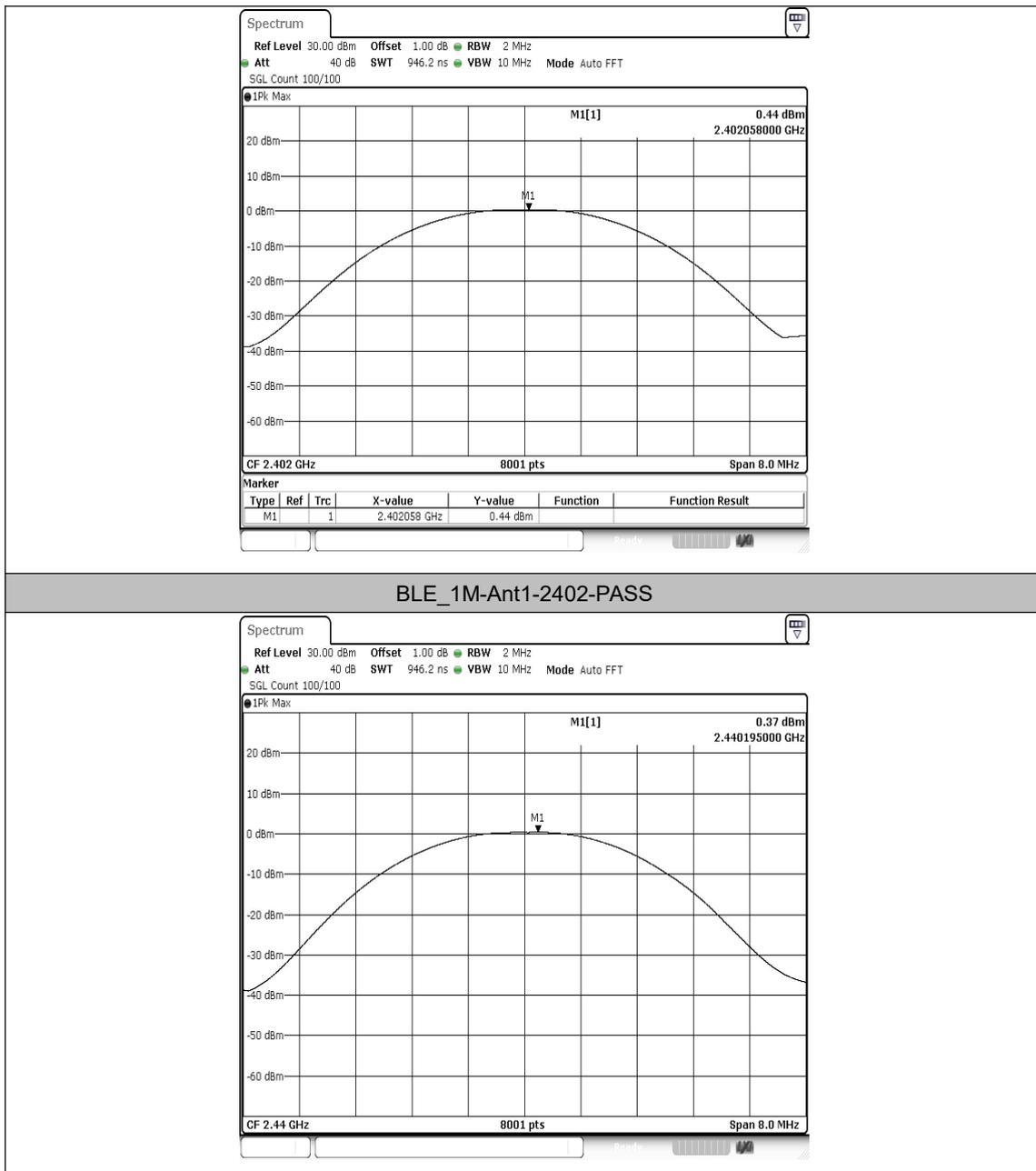
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## Appendix C: Maximum conducted output power

### Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.44	≤30	PASS
BLE_1M	Ant1	2440	0.37	≤30	PASS
BLE_1M	Ant1	2480	0.30	≤30	PASS

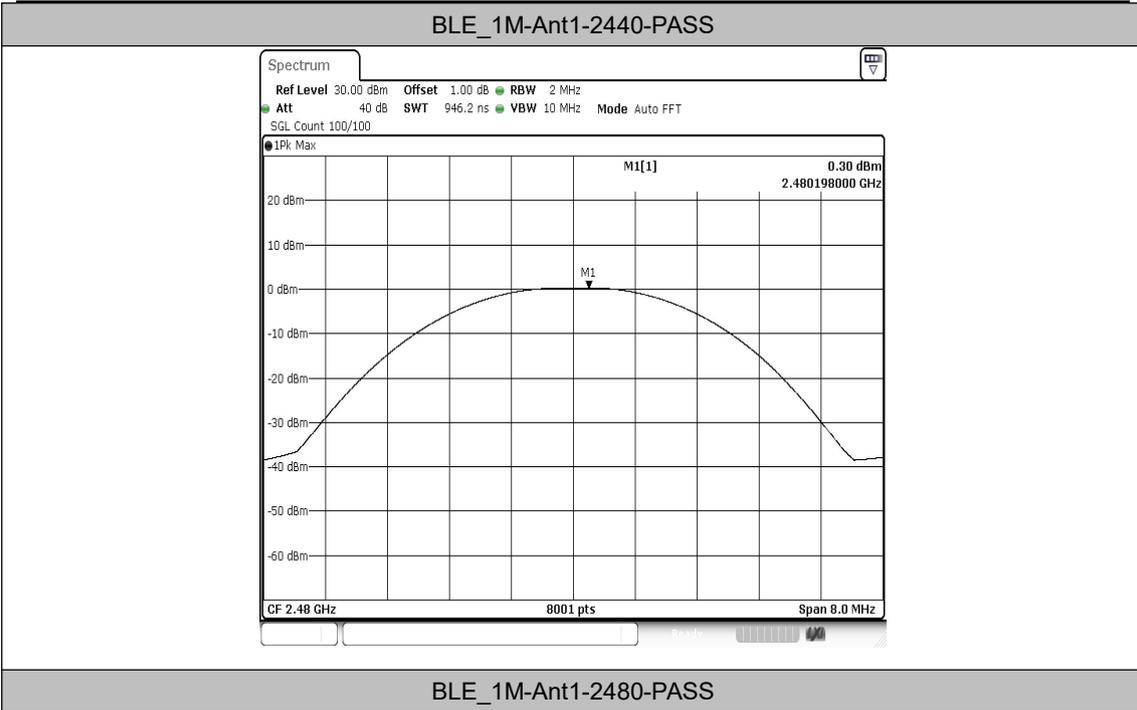
### Test Graphs Peak



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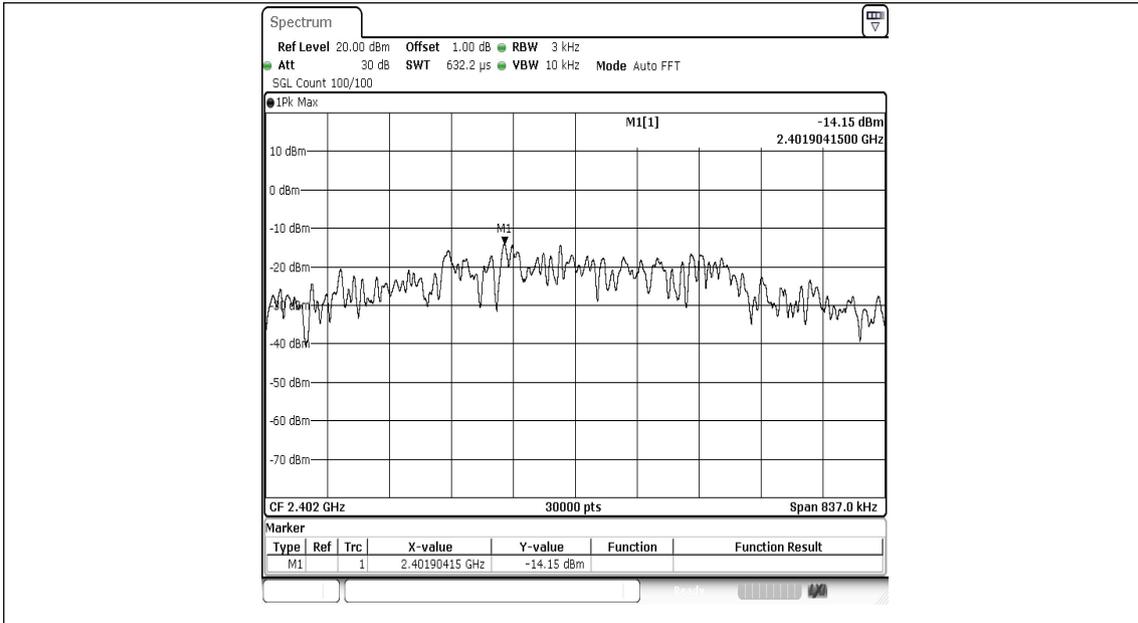
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## Appendix D: Maximum power spectral density

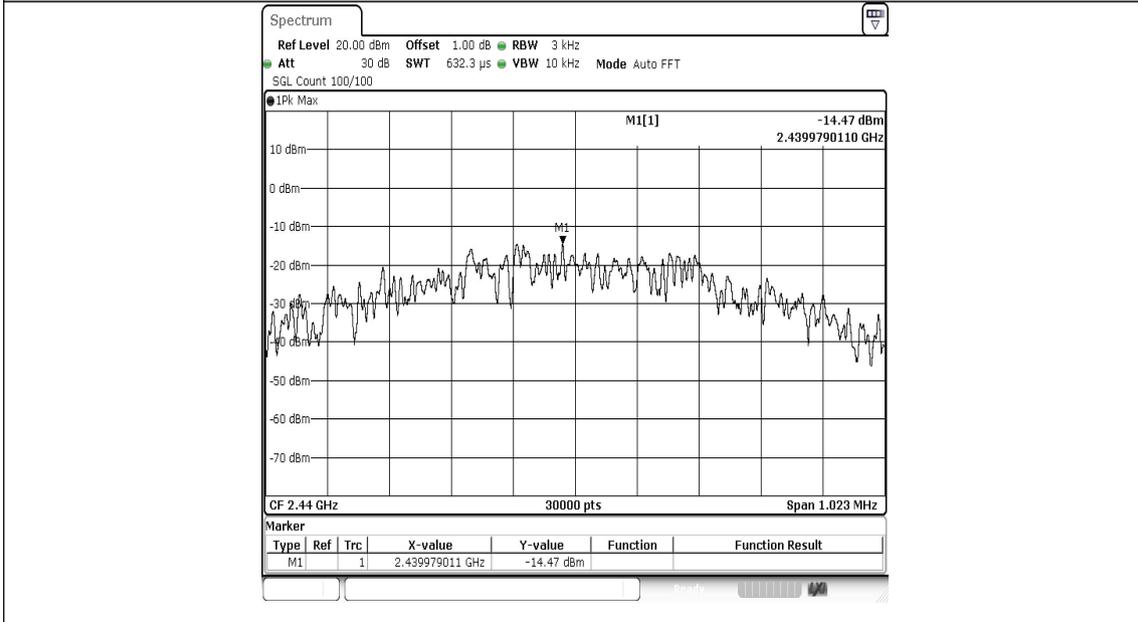
### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.15	≤8.00	PASS
BLE_1M	Ant1	2440	-14.47	≤8.00	PASS
BLE_1M	Ant1	2480	-13.81	≤8.00	PASS

**Test Graphs**



BLE\_1M-Ant1-2402-PASS

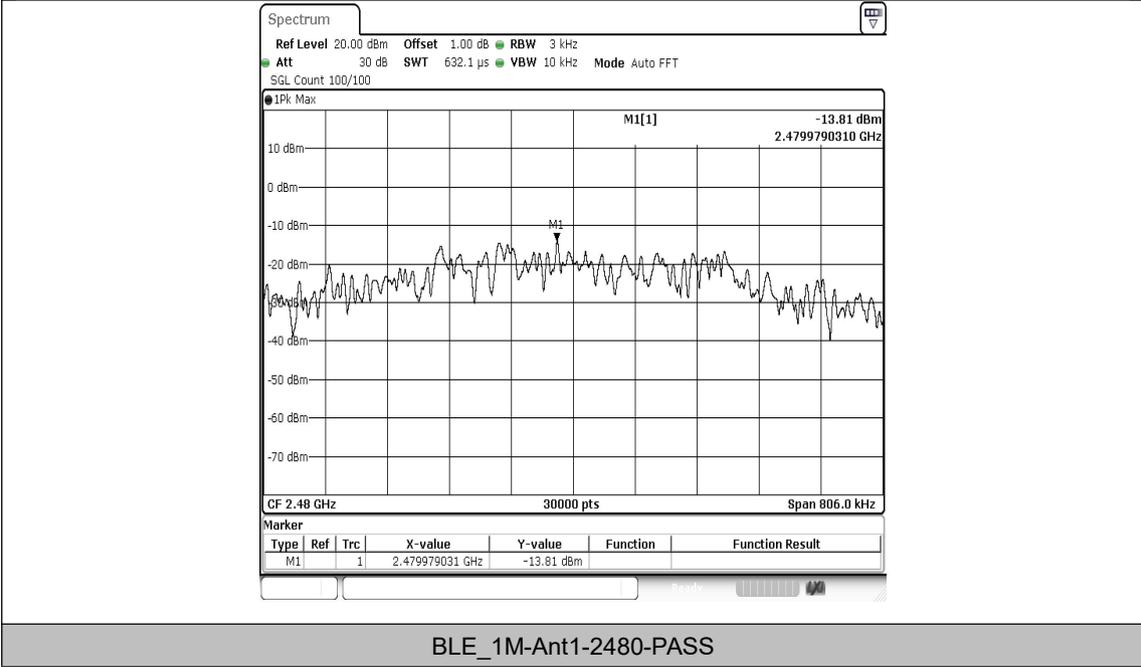


BLE\_1M-Ant1-2440-PASS

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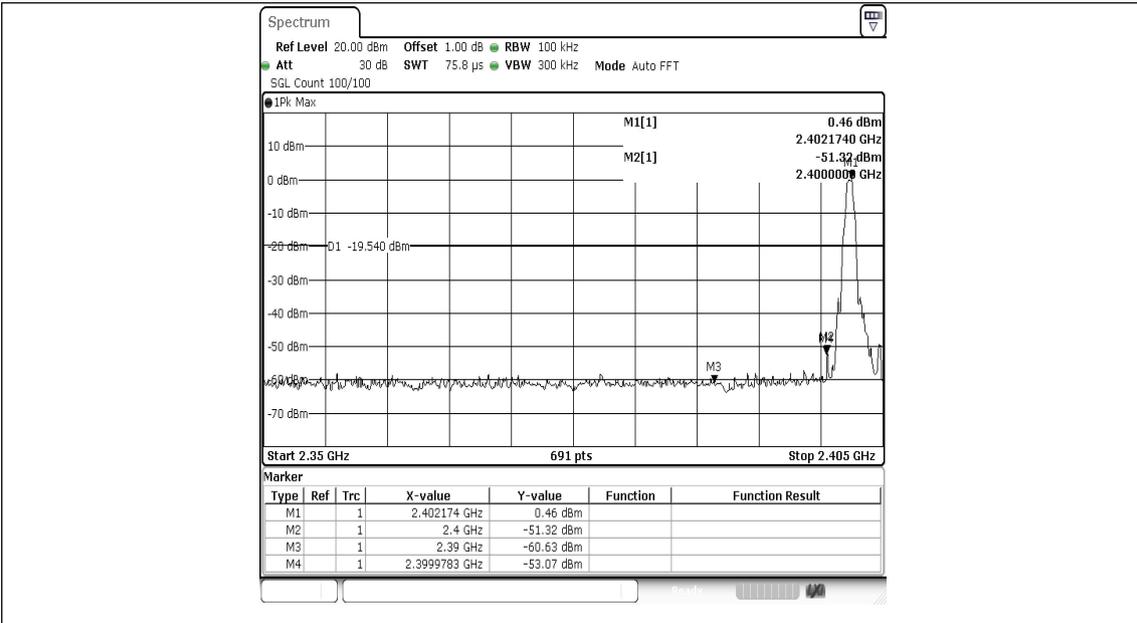
## Appendix E: Band edge measurements

### Test Result

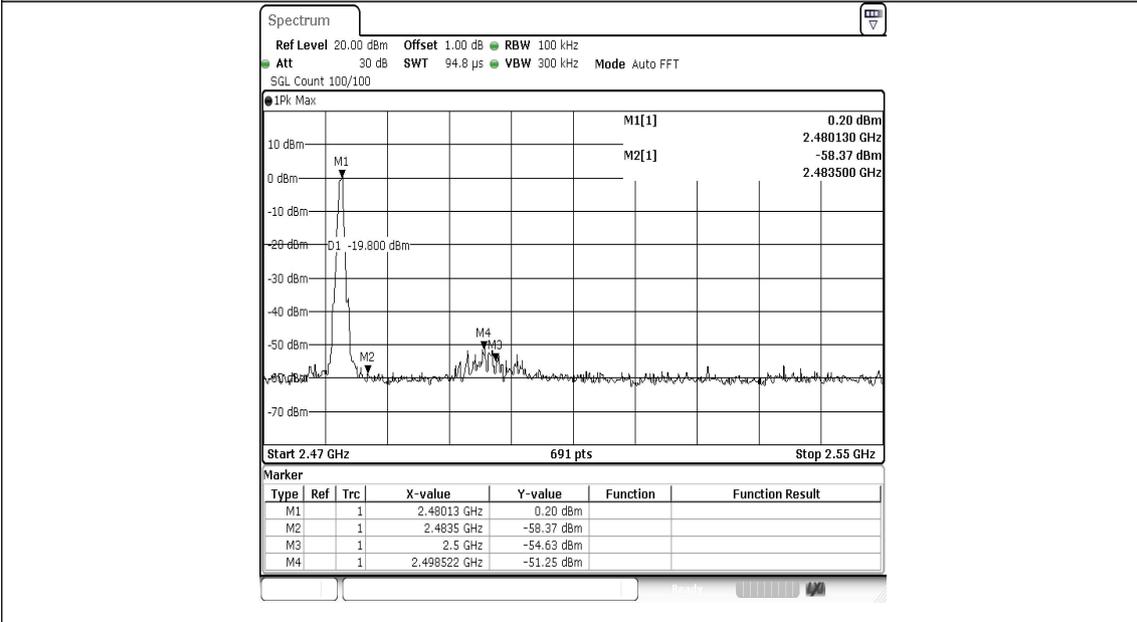
Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.46	-53.07	≤-19.54	PASS
BLE_1M	Ant1	High	2480	0.20	-51.25	≤-19.8	PASS

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**



BLE\_1M-Ant1-2402-PASS



BLE\_1M-Ant1-2480-PASS

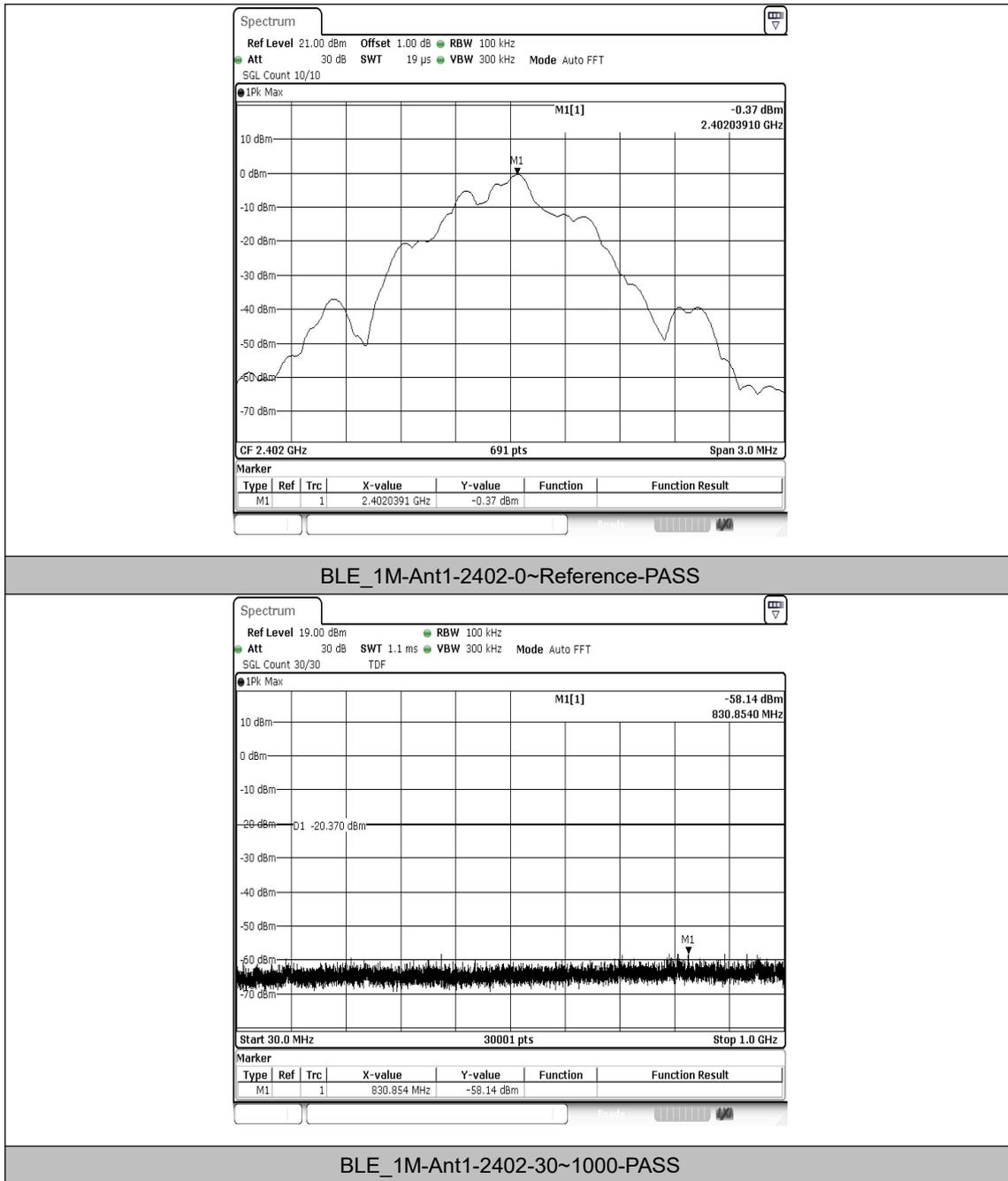
## Appendix F: Conducted Spurious Emission

### Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-0.37	-0.37	---	PASS
BLE_1M	Ant1	2402	30~1000	-0.37	-58.14	≤-20.37	PASS
BLE_1M	Ant1	2402	1000~26500	-0.37	-44.4	≤-20.37	PASS
BLE_1M	Ant1	2440	0~Reference	-0.81	-0.81	---	PASS
BLE_1M	Ant1	2440	30~1000	-0.81	-58.67	≤-20.81	PASS
BLE_1M	Ant1	2440	1000~26500	-0.81	-44.08	≤-20.81	PASS
BLE_1M	Ant1	2480	0~Reference	-0.52	-0.52	---	PASS
BLE_1M	Ant1	2480	30~1000	-0.52	-58.71	≤-20.52	PASS
BLE_1M	Ant1	2480	1000~26500	-0.52	-44.07	≤-20.52	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.

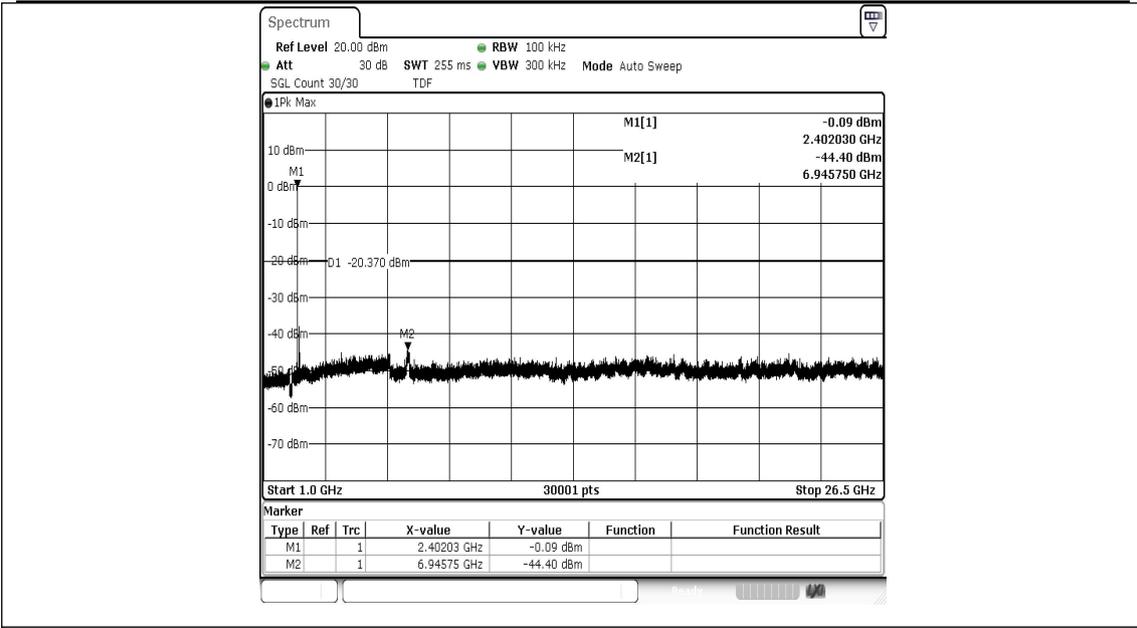
**Test Graphs**



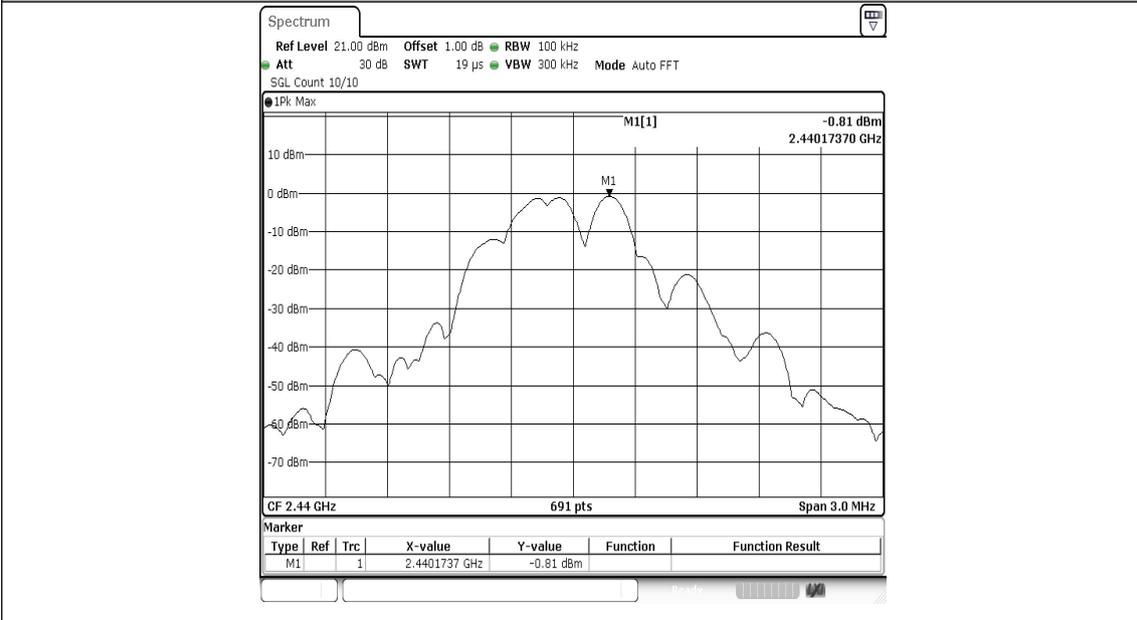
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BLE\_1M-Ant1-2402-1000~26500-PASS

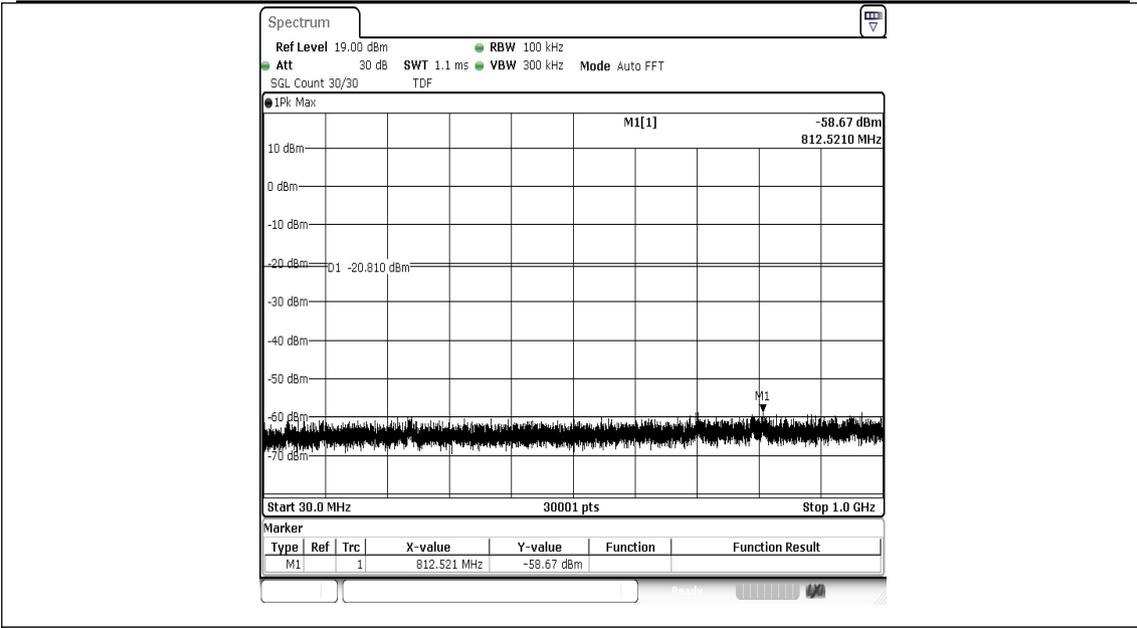


BLE\_1M-Ant1-2440-0~Reference-PASS

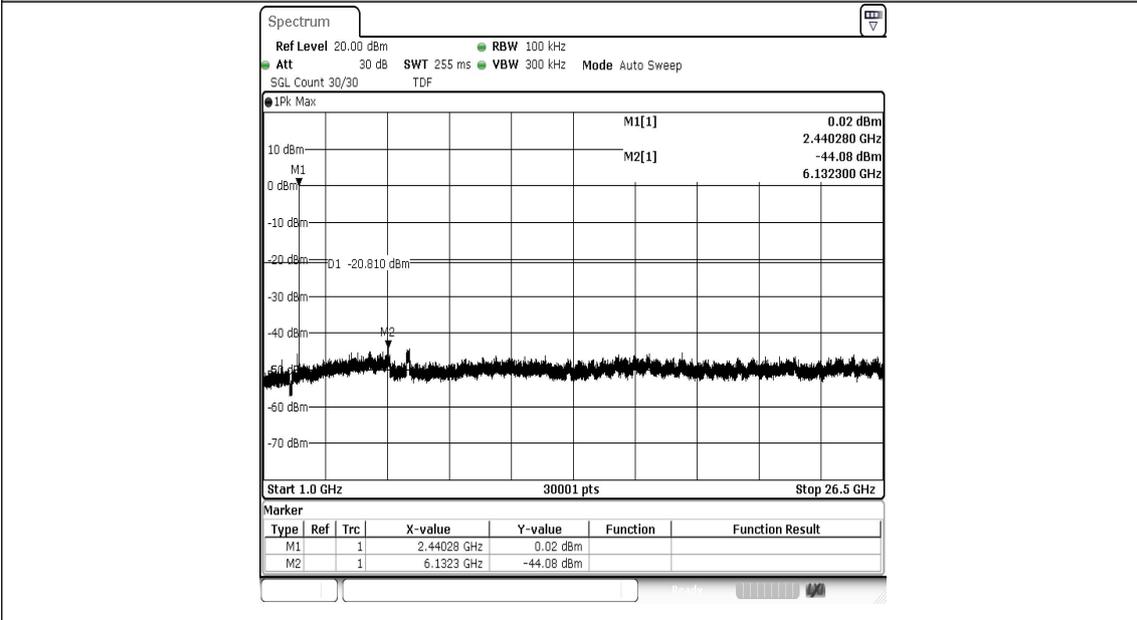
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BLE\_1M-Ant1-2440-30~1000-PASS

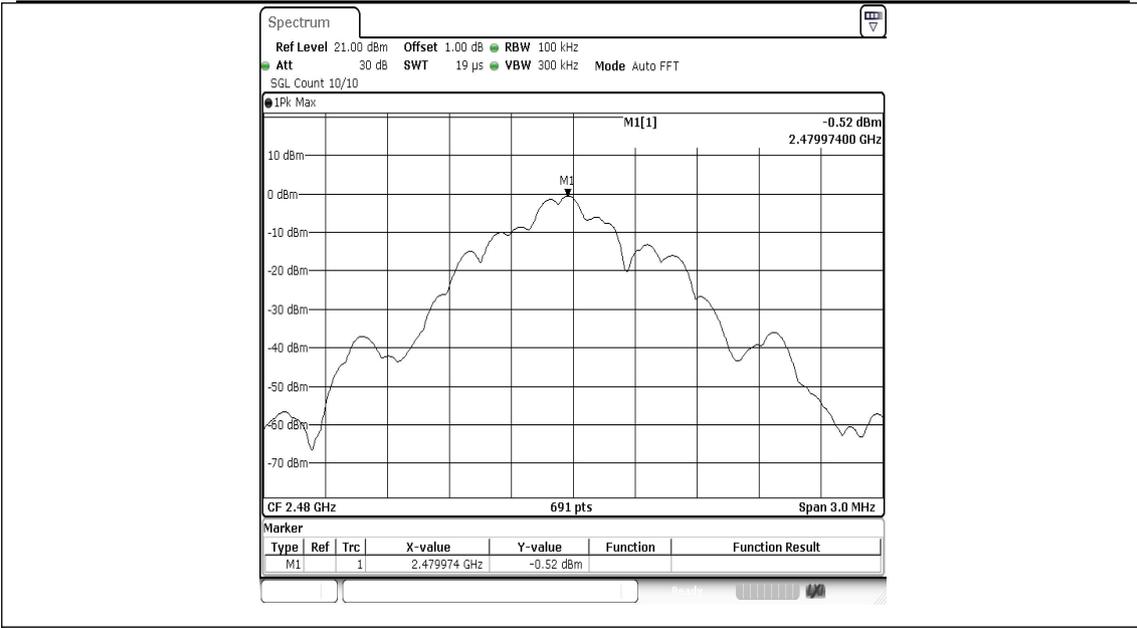


BLE\_1M-Ant1-2440-1000~26500-PASS

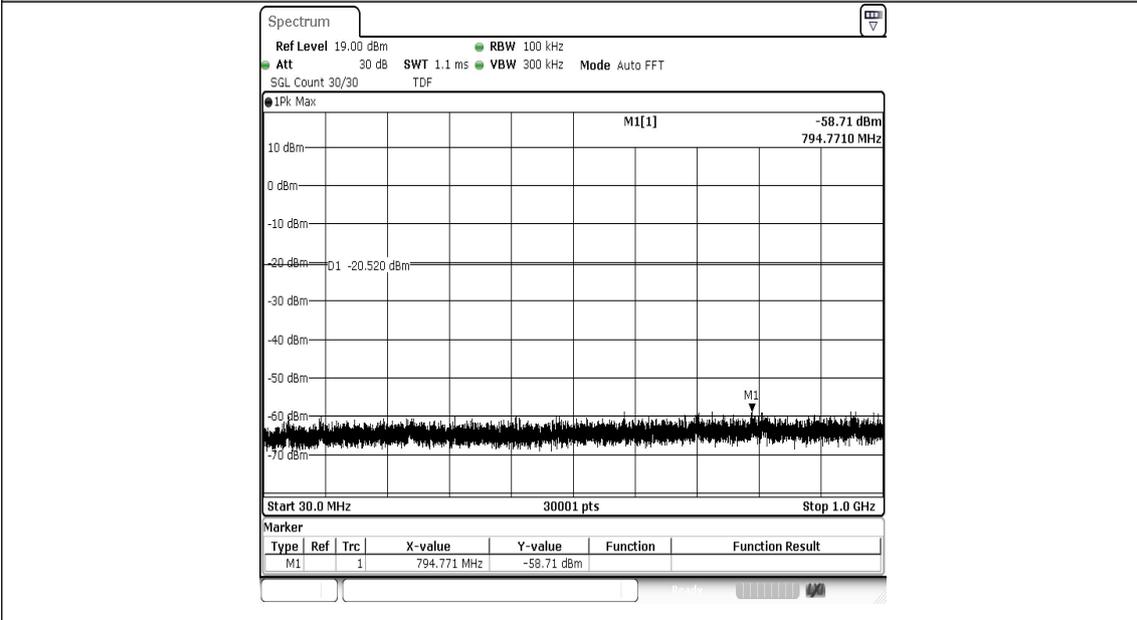
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BLE\_1M-Ant1-2480-0~Reference-PASS

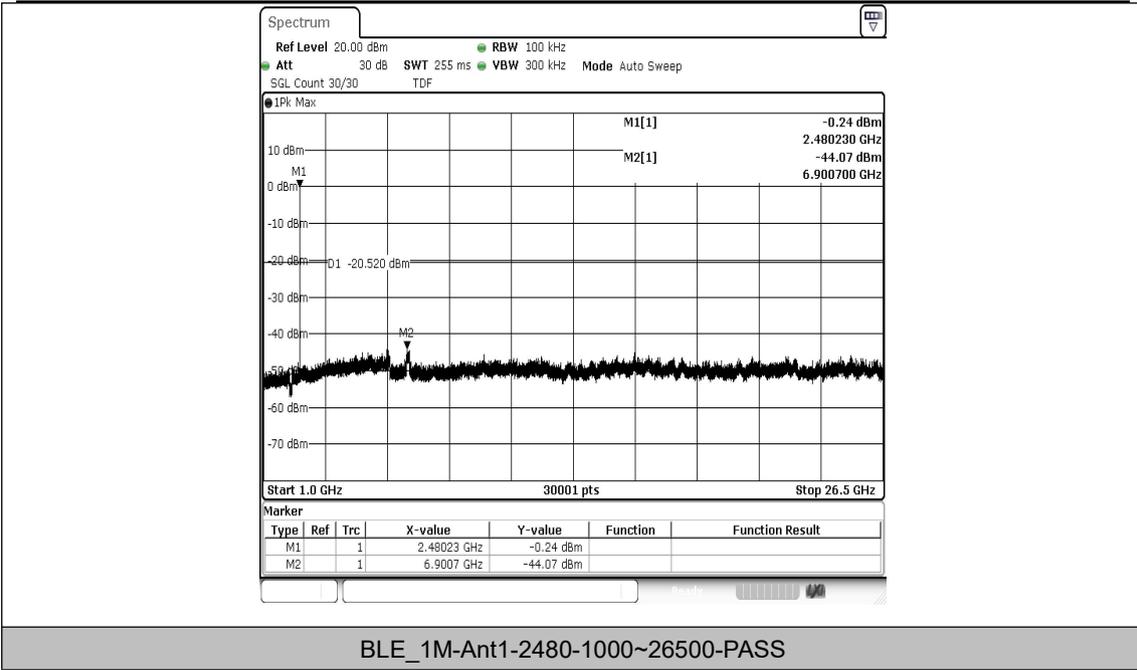


BLE\_1M-Ant1-2480-30~1000-PASS

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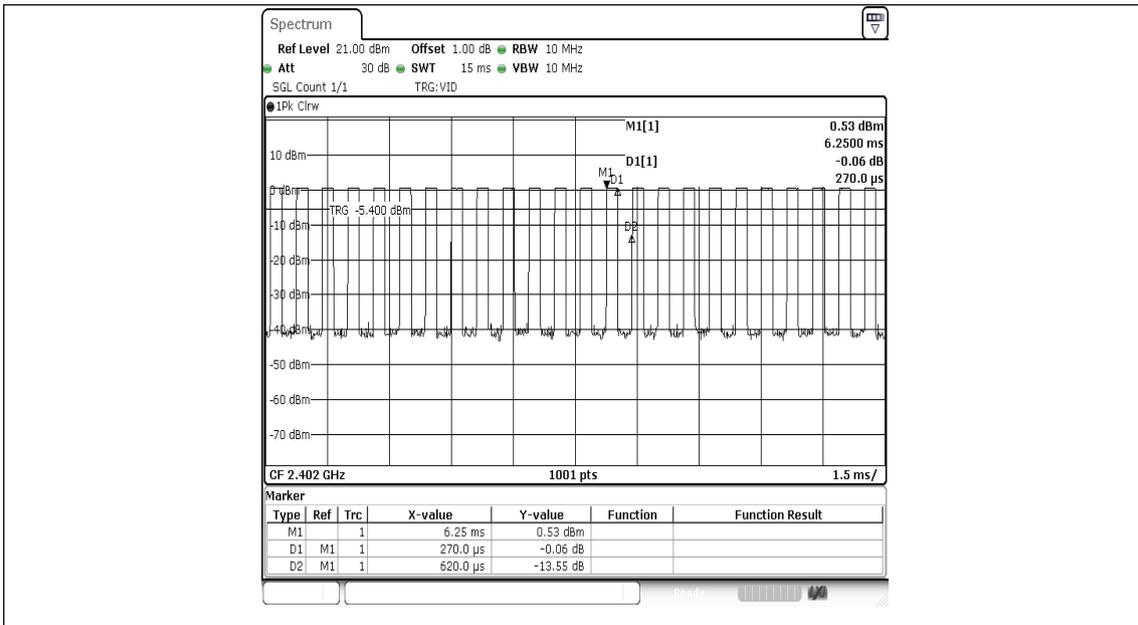
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## Appendix G: Duty Cycle

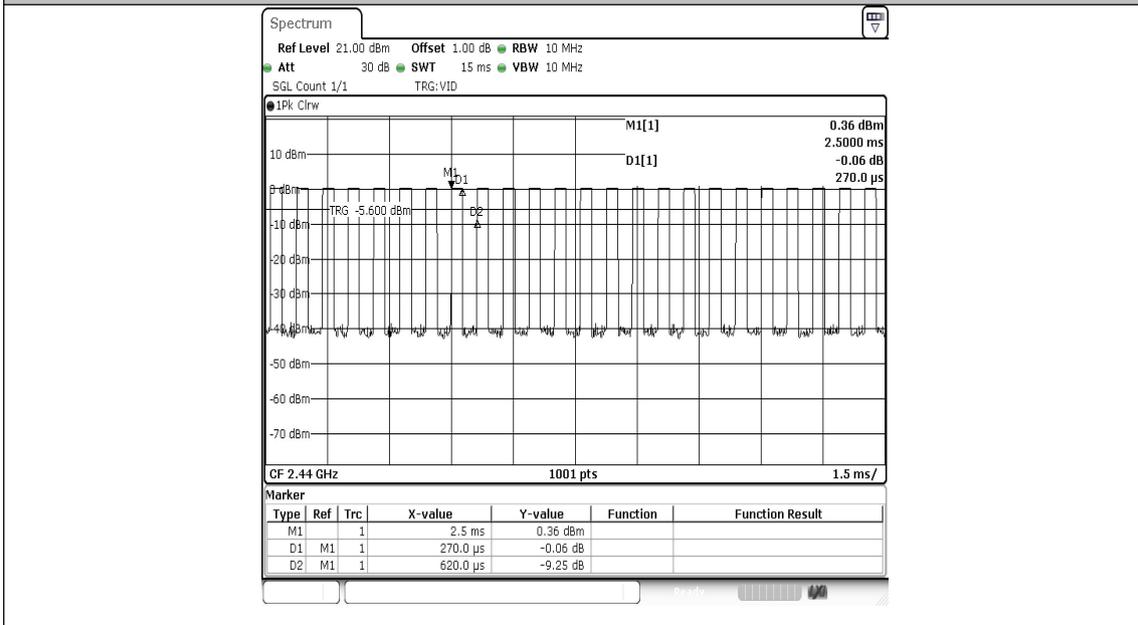
### Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.27	0.62	43.55	3.61
BLE_1M	Ant1	2440	0.27	0.62	43.55	3.61
BLE_1M	Ant1	2480	0.27	0.62	43.55	3.61

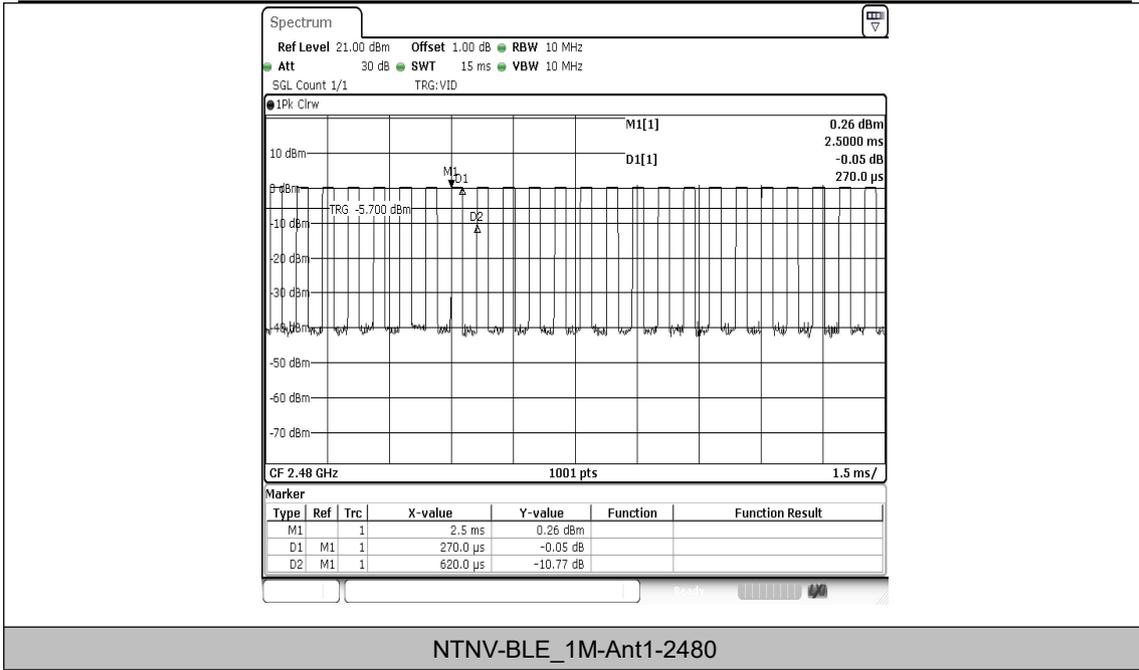
**Test Graphs**



NTNV-BLE\_1M-Ant1-2402



NTNV-BLE\_1M-Ant1-2440



---End---

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