

## Appendix Test Data

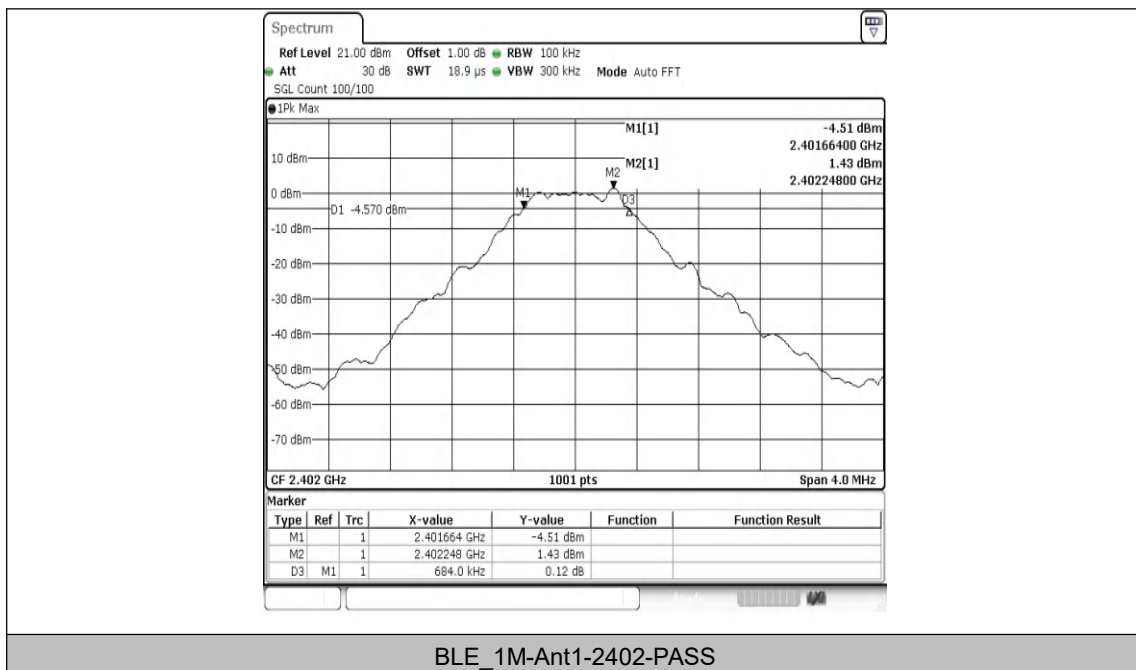
Report No.:	1812C50261712501	Test Sample No.:	1-2-2
Start Test Date:	2025-5-28	Finish Test Date:	2025-6-6
Test Engineer:	Hansen Guan	Auditor:	Justin Feng
Temperature:	25.1°C	Relative Humidity:	55%
Pressure:	101kPa		

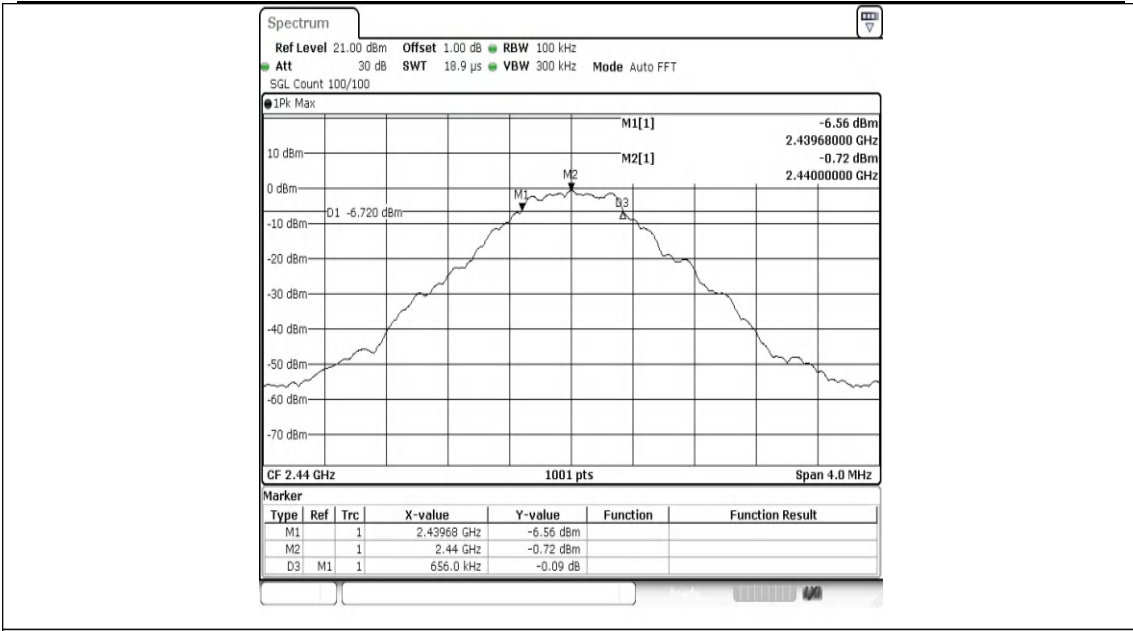
## Appendix A: 6dB Bandwidth

### Test Result

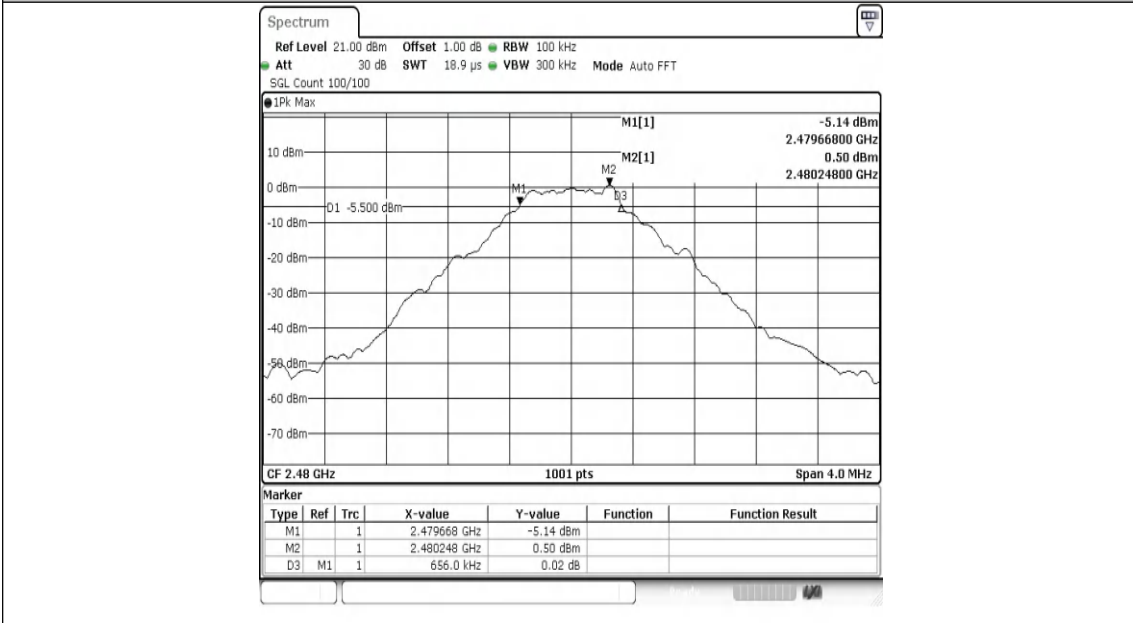
Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.68	2401.66	2402.35	0.5	PASS
BLE_1M	Ant1	2440	0.66	2439.68	2440.34	0.5	PASS
BLE_1M	Ant1	2480	0.66	2479.67	2480.32	0.5	PASS

### Test Graphs





BLE\_1M-Ant1-2440-PASS



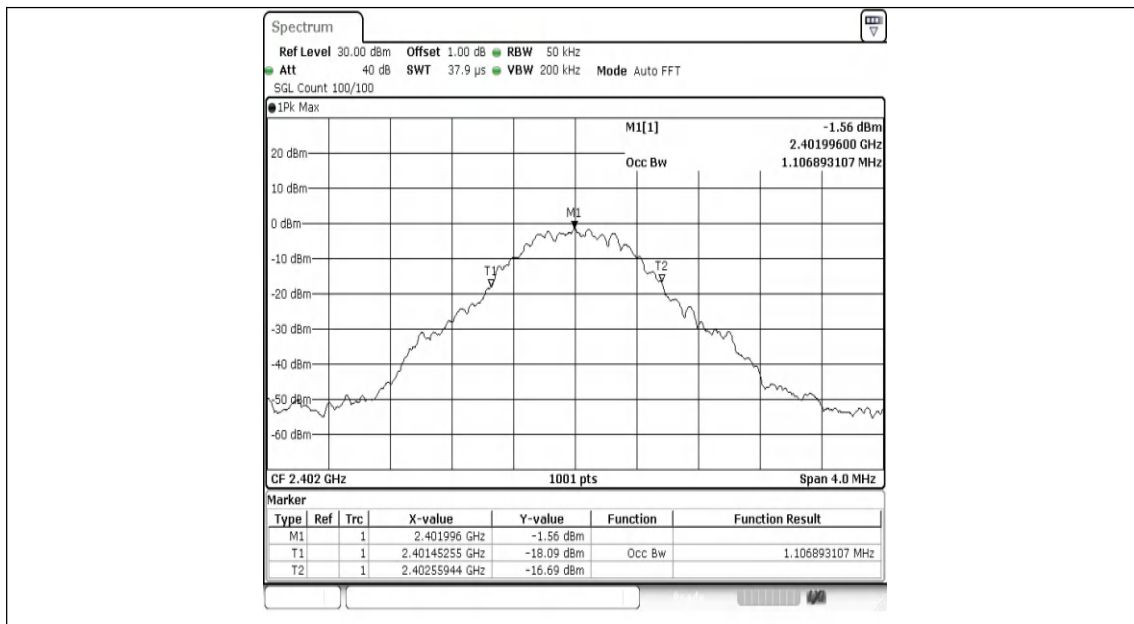
BLE\_1M-Ant1-2480-PASS

## Appendix B: 99% Occupied Bandwidth

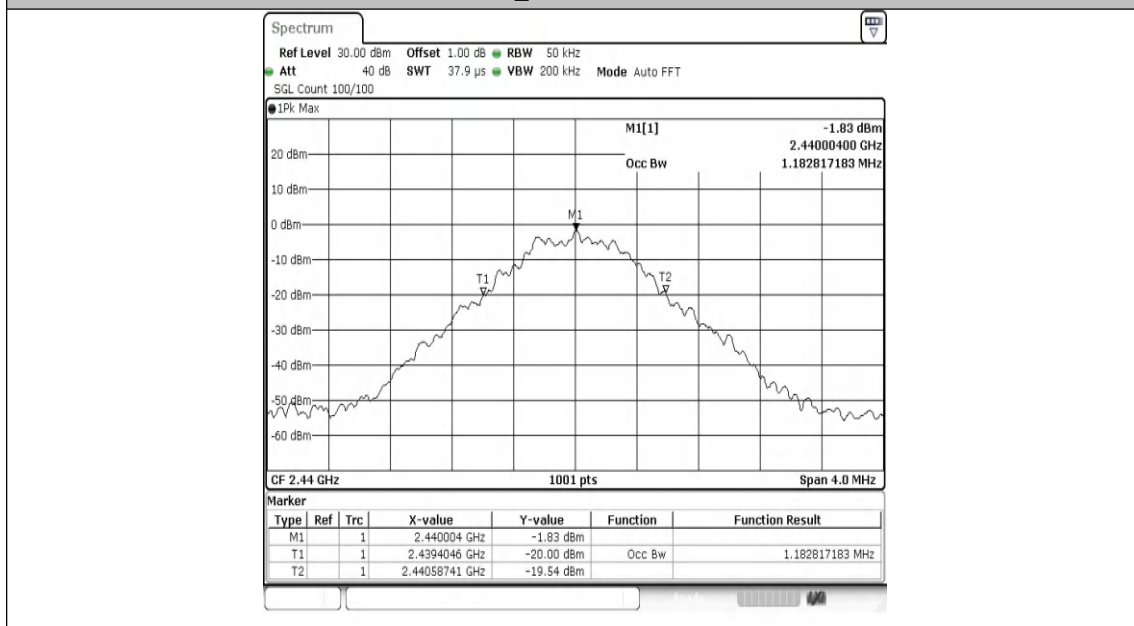
### Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.1069	2401.4525	2402.5594	---	---
BLE_1M	Ant1	2440	1.1828	2439.4046	2440.5874	---	---
BLE_1M	Ant1	2480	1.2188	2479.3926	2480.6114	---	---

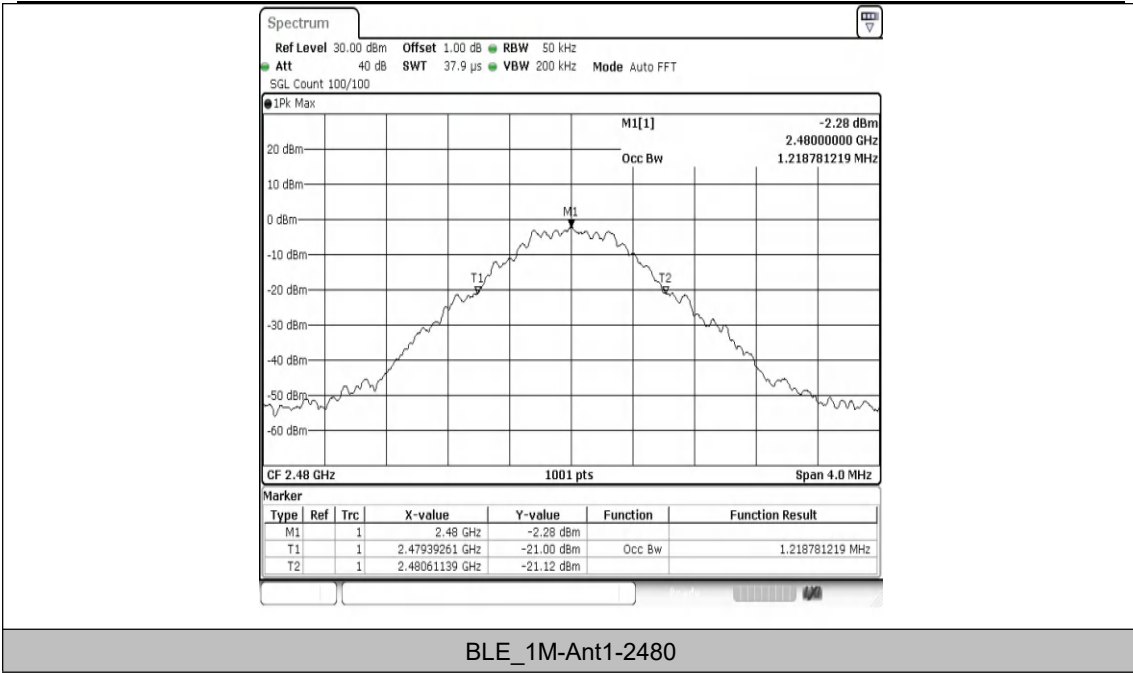
### Test Graphs



BLE\_1M-Ant1-2402



BLE\_1M-Ant1-2440



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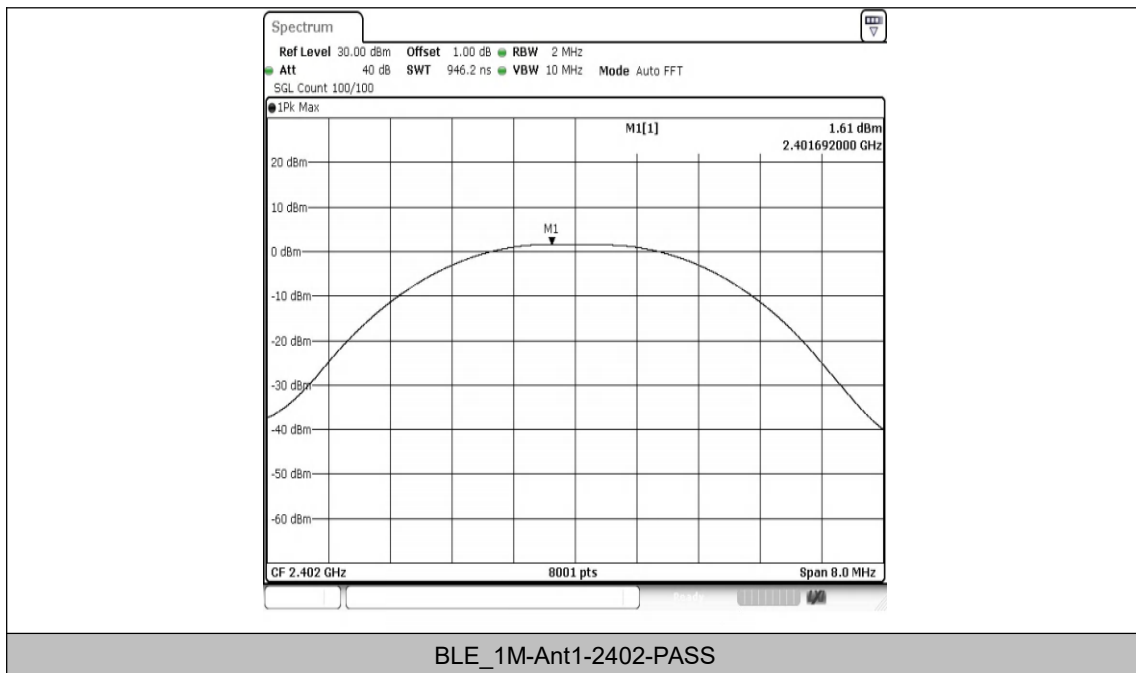
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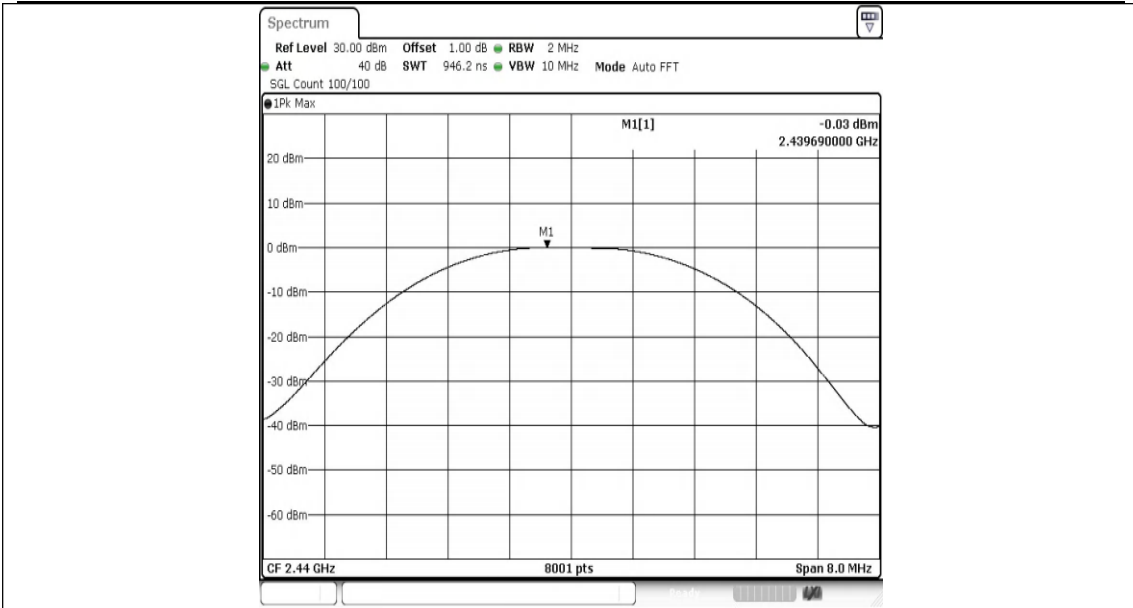
## Appendix C: Maximum conducted output power

### Test Result Peak

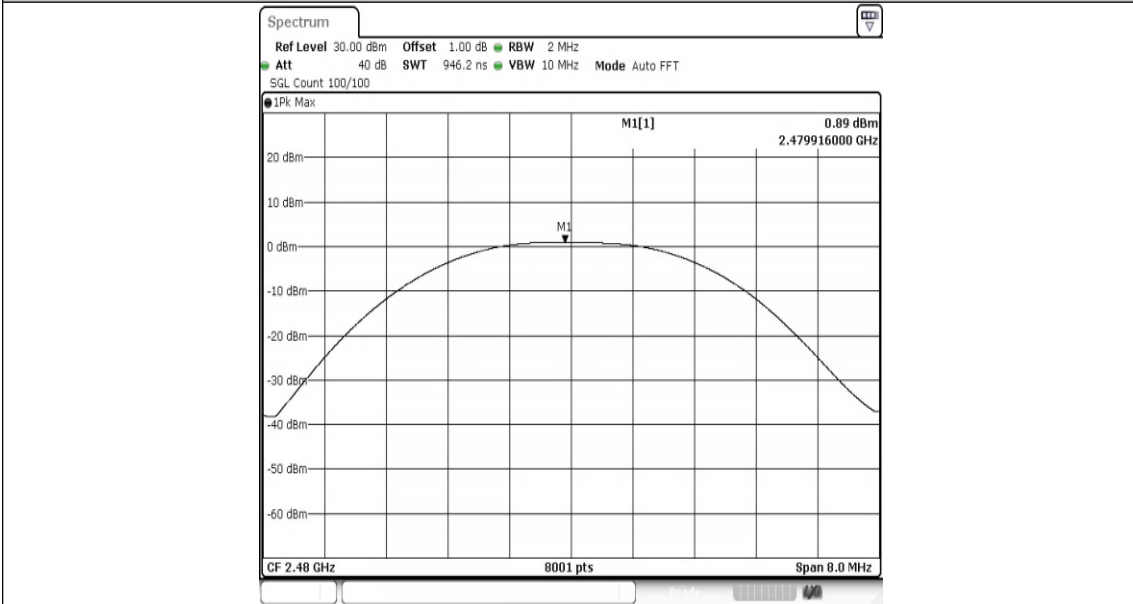
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.61	≤30	PASS
BLE_1M	Ant1	2440	-0.03	≤30	PASS
BLE_1M	Ant1	2480	0.89	≤30	PASS

### Test Graphs Peak





BLE\_1M-Ant1-2440-PASS



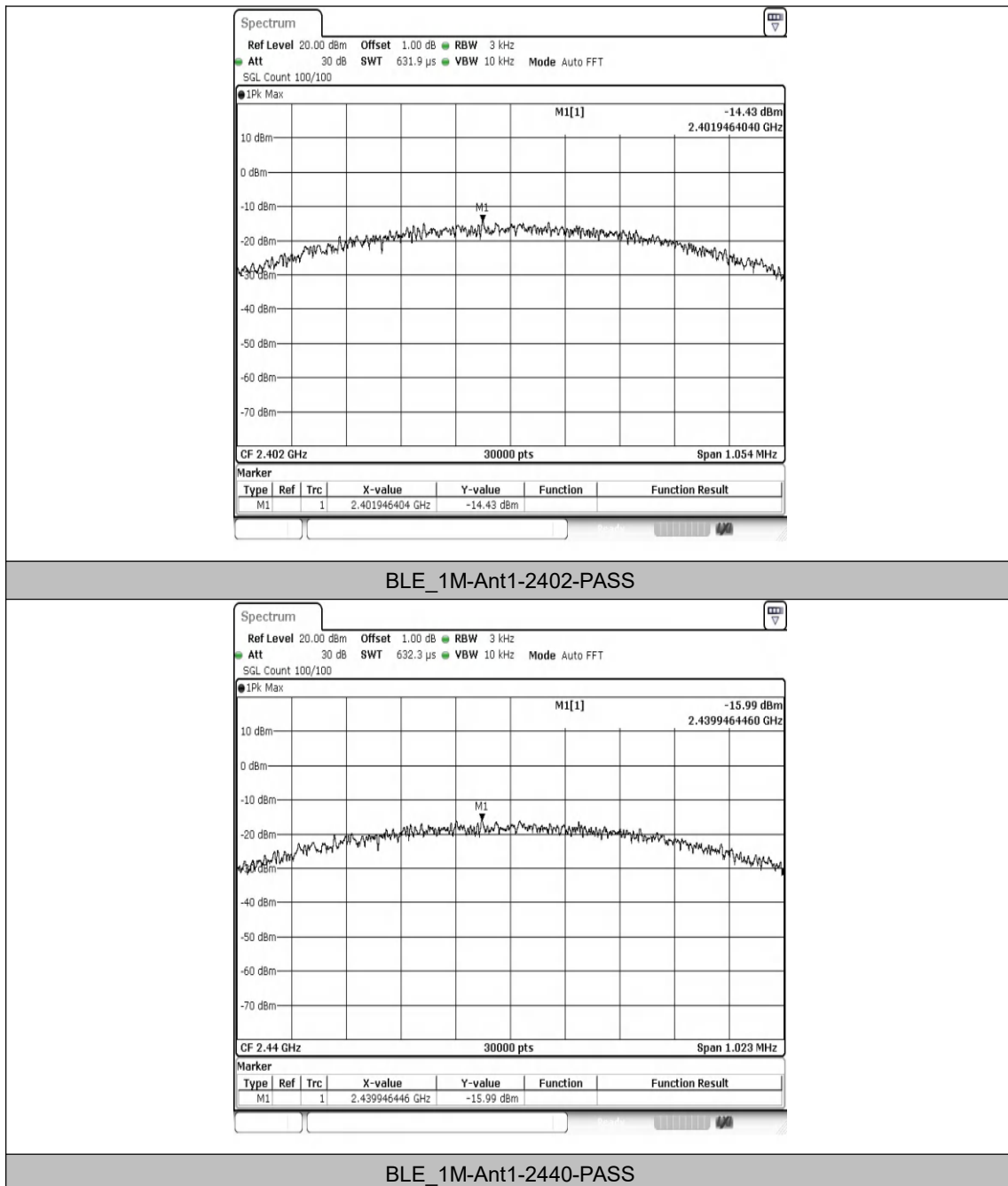
BLE\_1M-Ant1-2480-PASS

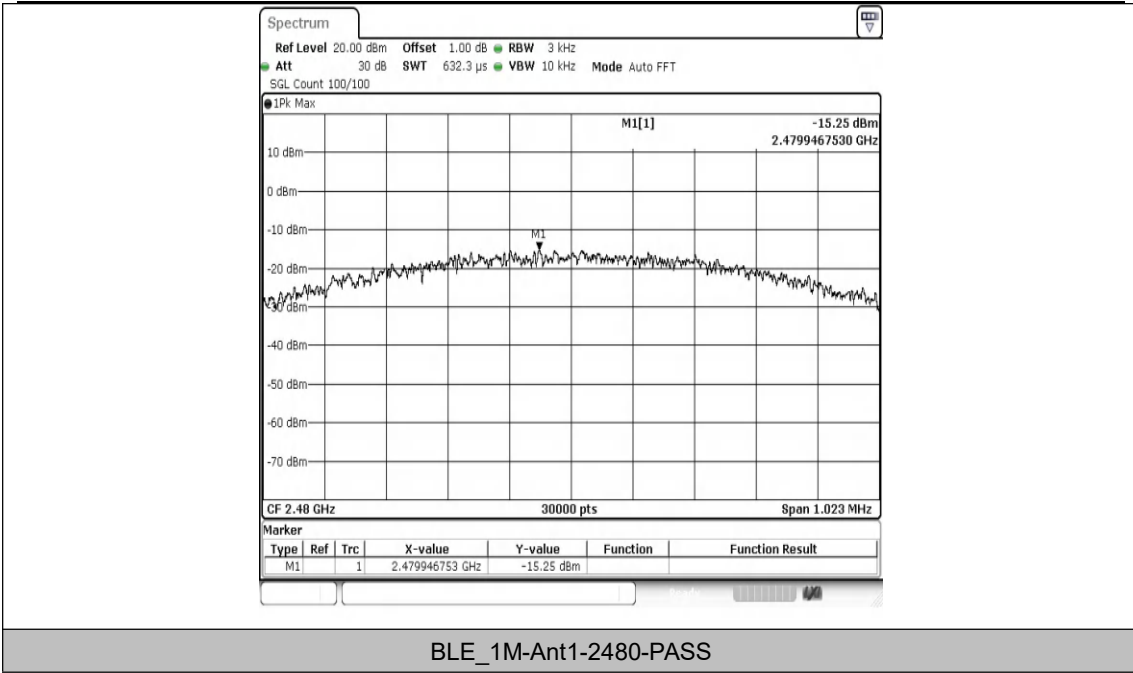
## Appendix D: Maximum power spectral density

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.43	≤8.00	PASS
BLE_1M	Ant1	2440	-15.99	≤8.00	PASS
BLE_1M	Ant1	2480	-15.25	≤8.00	PASS

### Test Graphs





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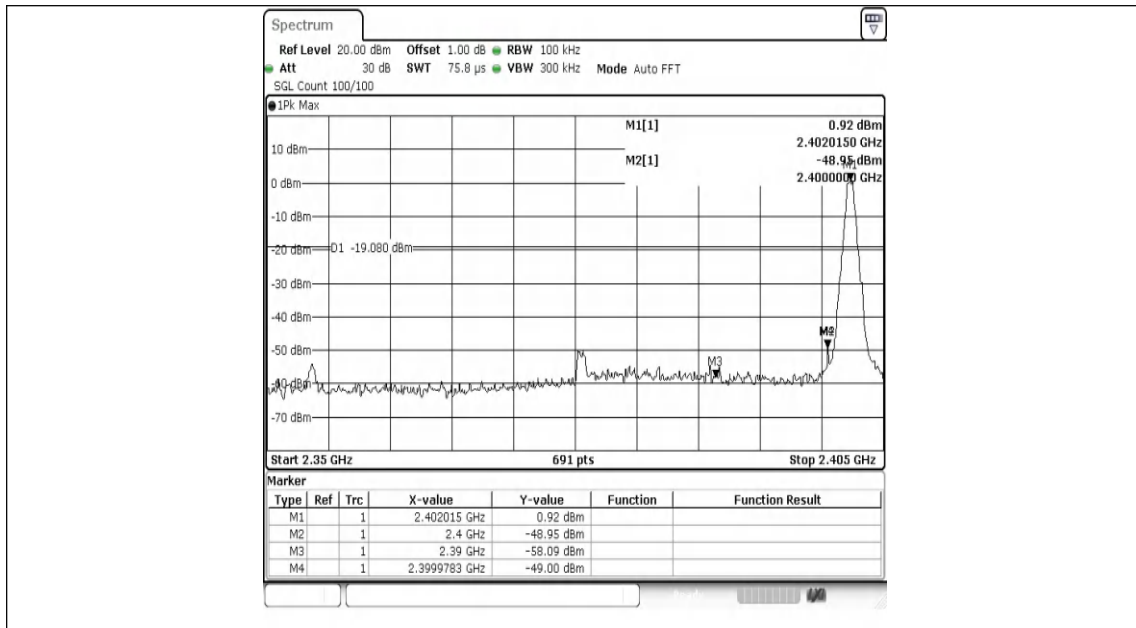
## Appendix E: Band edge measurements

### Test Result

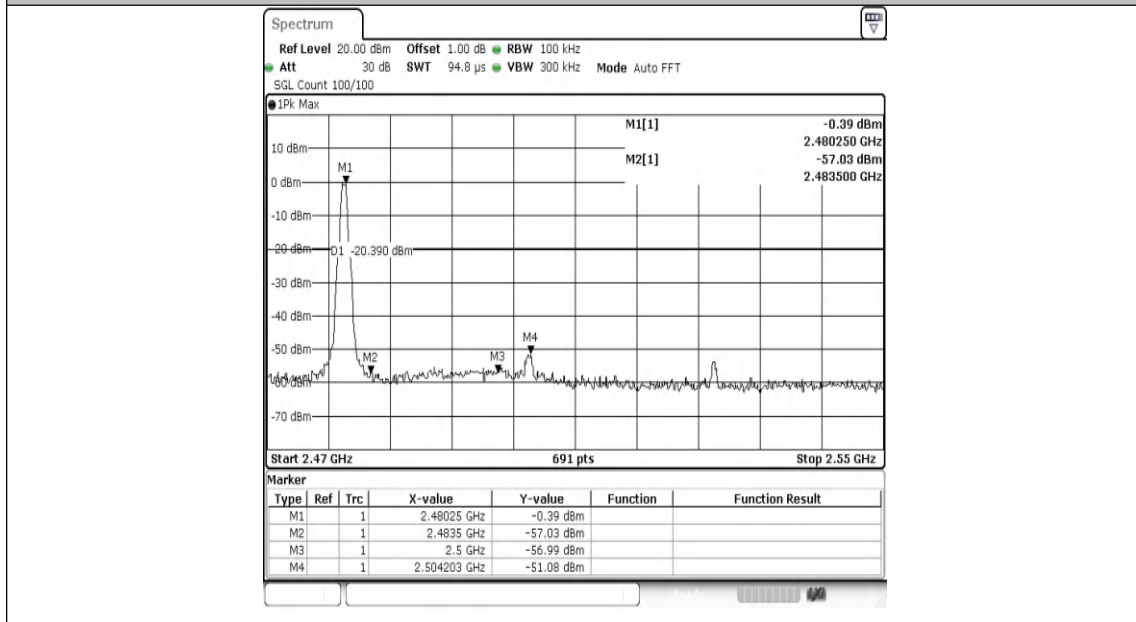
Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.92	-49	≤-19.08	PASS
BLE_1M	Ant1	High	2480	-0.39	-51.08	≤-20.39	PASS

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

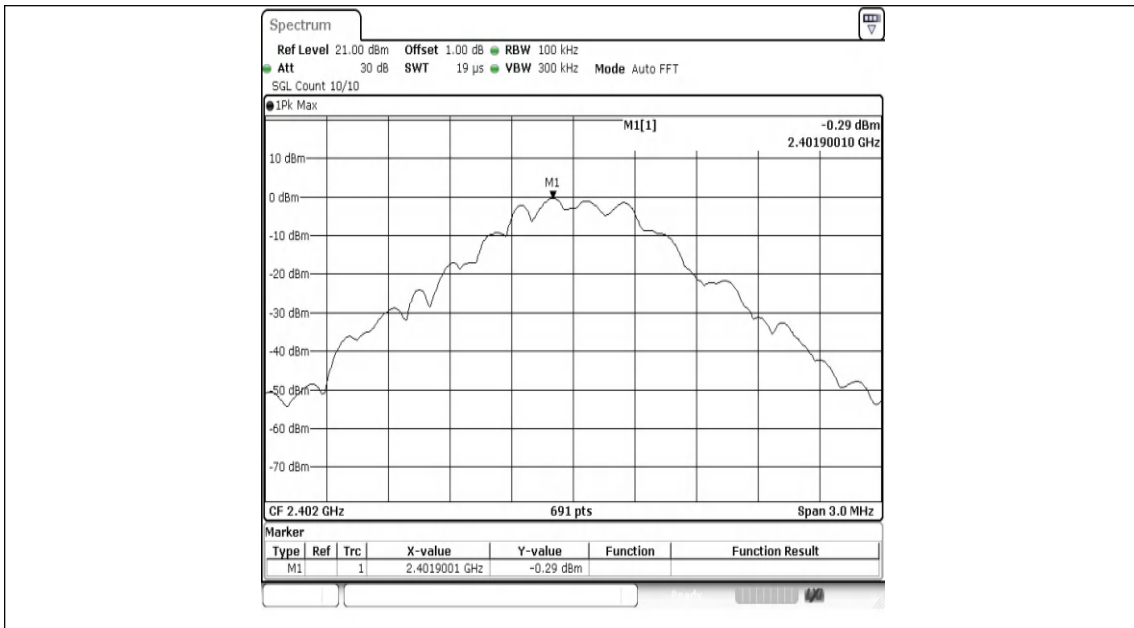
## Appendix F: Conducted Spurious Emission

### Test Result

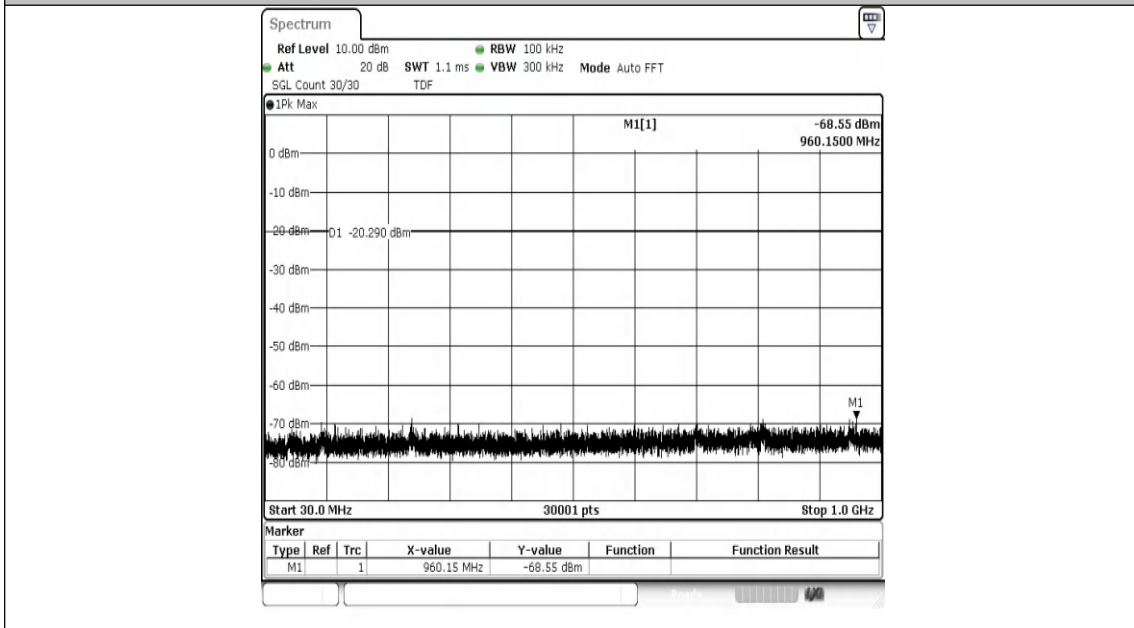
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-0.29	-0.29	---	PASS
BLE_1M	Ant1	2402	30~1000	-0.29	-68.55	≤-20.29	PASS
BLE_1M	Ant1	2402	1000~26500	-0.29	-40.15	≤-20.29	PASS
BLE_1M	Ant1	2440	0~Reference	-2.04	-2.04	---	PASS
BLE_1M	Ant1	2440	30~1000	-2.04	-69.61	≤-22.04	PASS
BLE_1M	Ant1	2440	1000~26500	-2.04	-41.6	≤-22.04	PASS
BLE_1M	Ant1	2480	0~Reference	-1.32	-1.32	---	PASS
BLE_1M	Ant1	2480	30~1000	-1.32	-69.37	≤-21.32	PASS
BLE_1M	Ant1	2480	1000~26500	-1.32	-38.69	≤-21.32	PASS

Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose and attenuator factors have been set in the 'TDF' of the Spectrum Analyzer during the test.

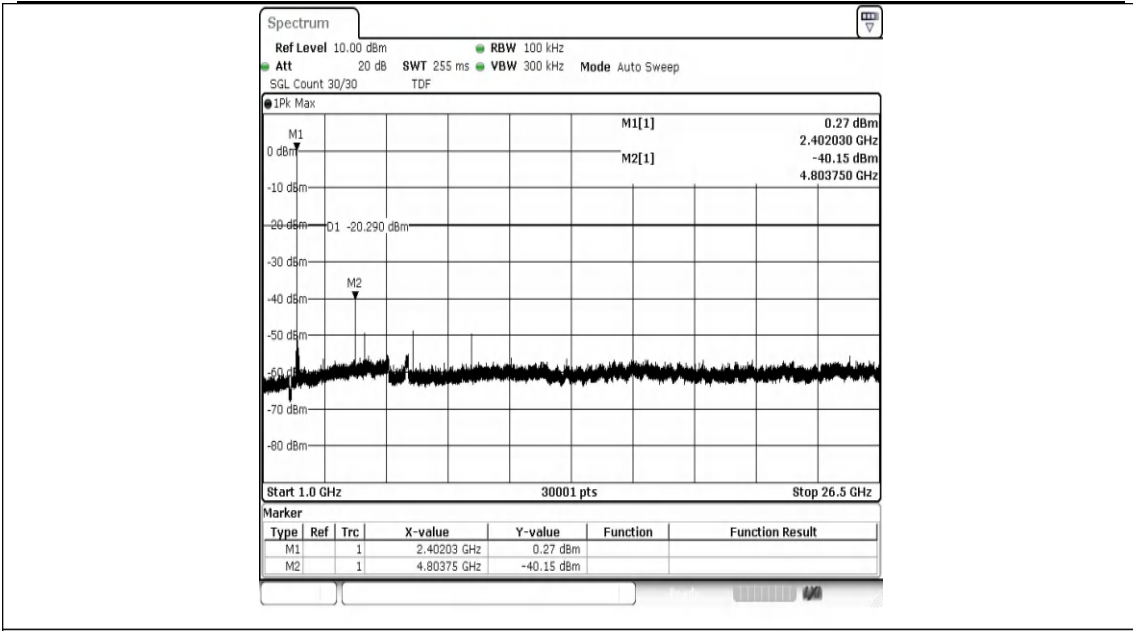
**Test Graphs**



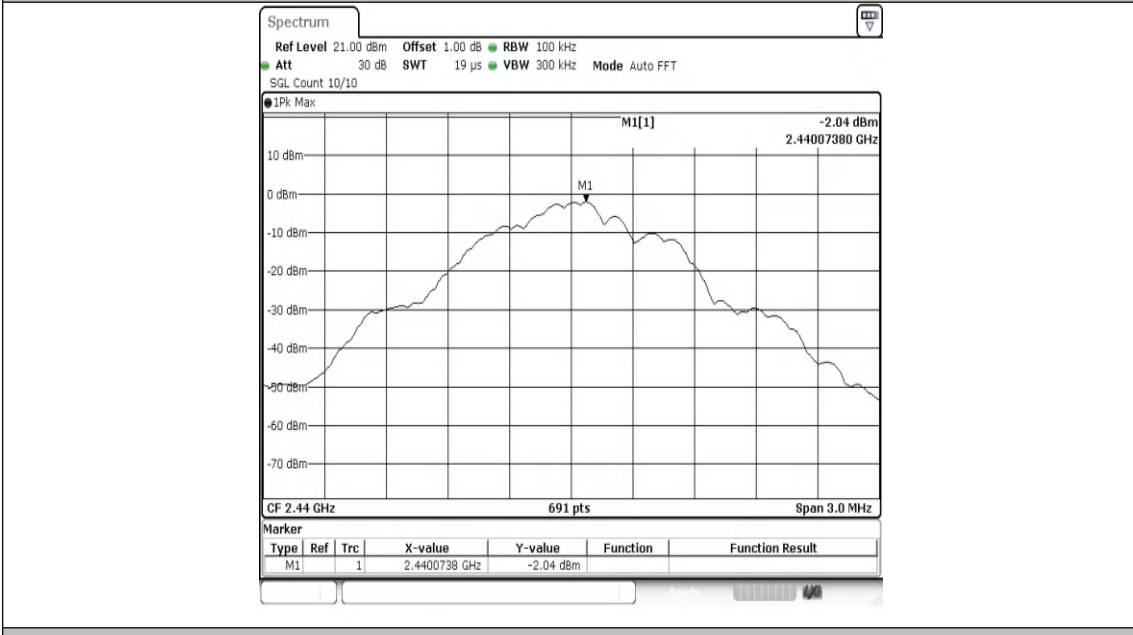
BLE\_1M-Ant1-2402-0~Reference-PASS



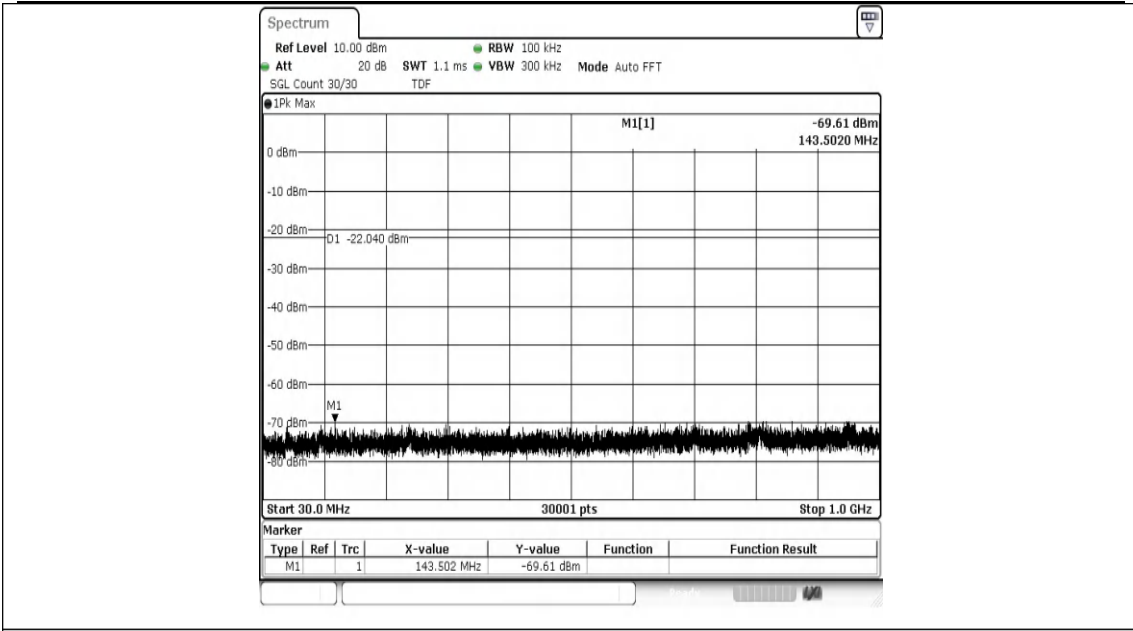
BLE\_1M-Ant1-2402-30~1000-PASS



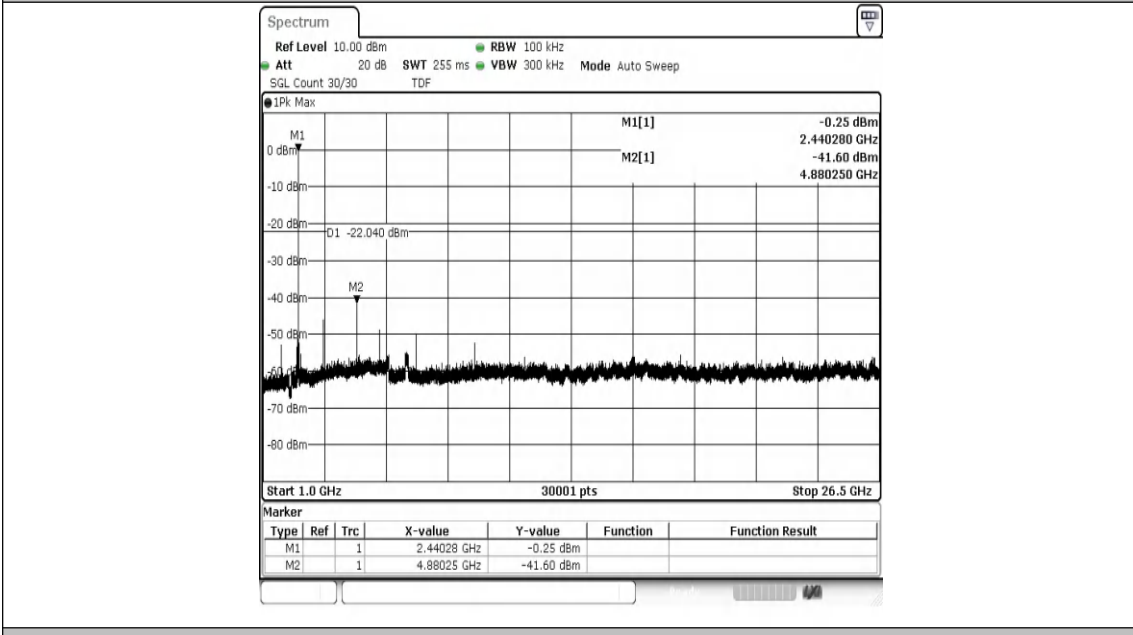
BLE\_1M-Ant1-2402-1000~26500-PASS



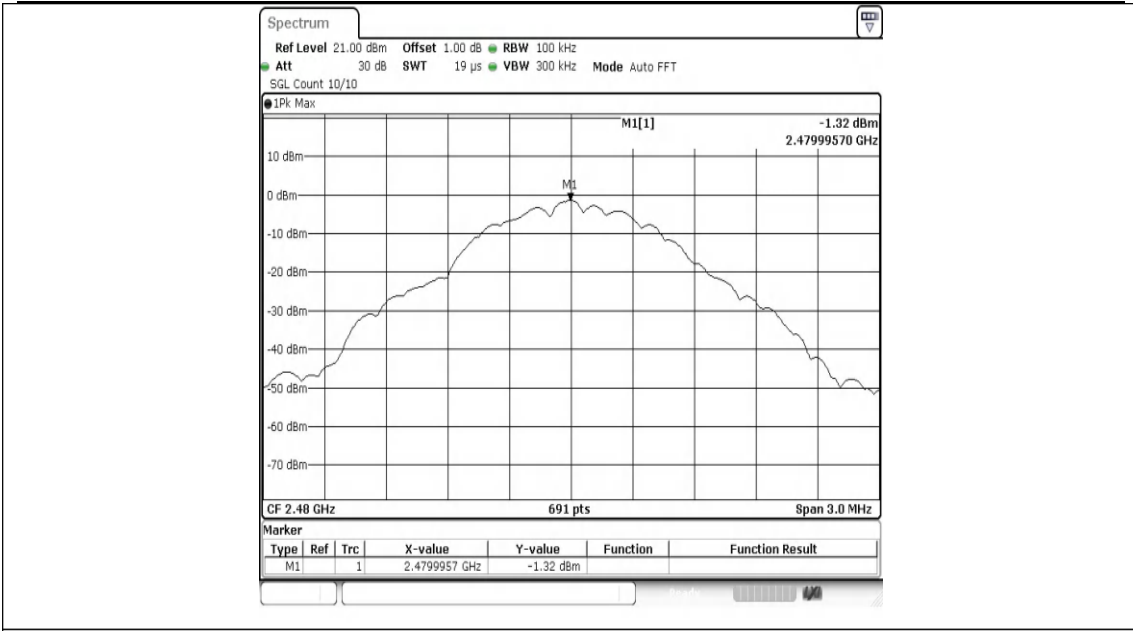
BLE\_1M-Ant1-2440-0~Reference-PASS



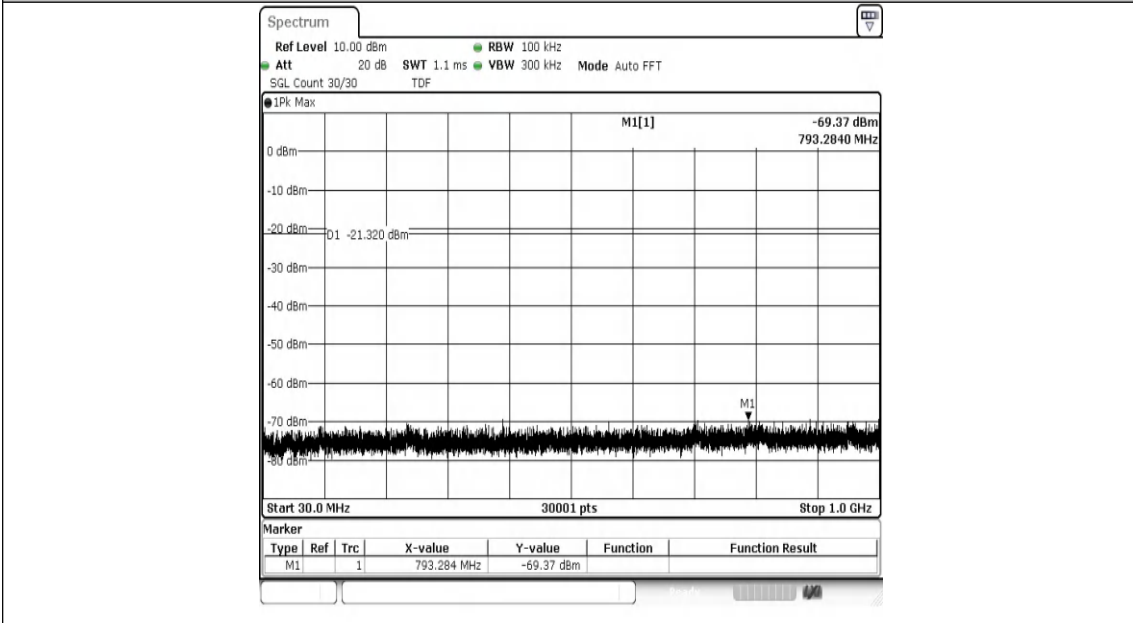
BLE\_1M-Ant1-2440-30~1000-PASS



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



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

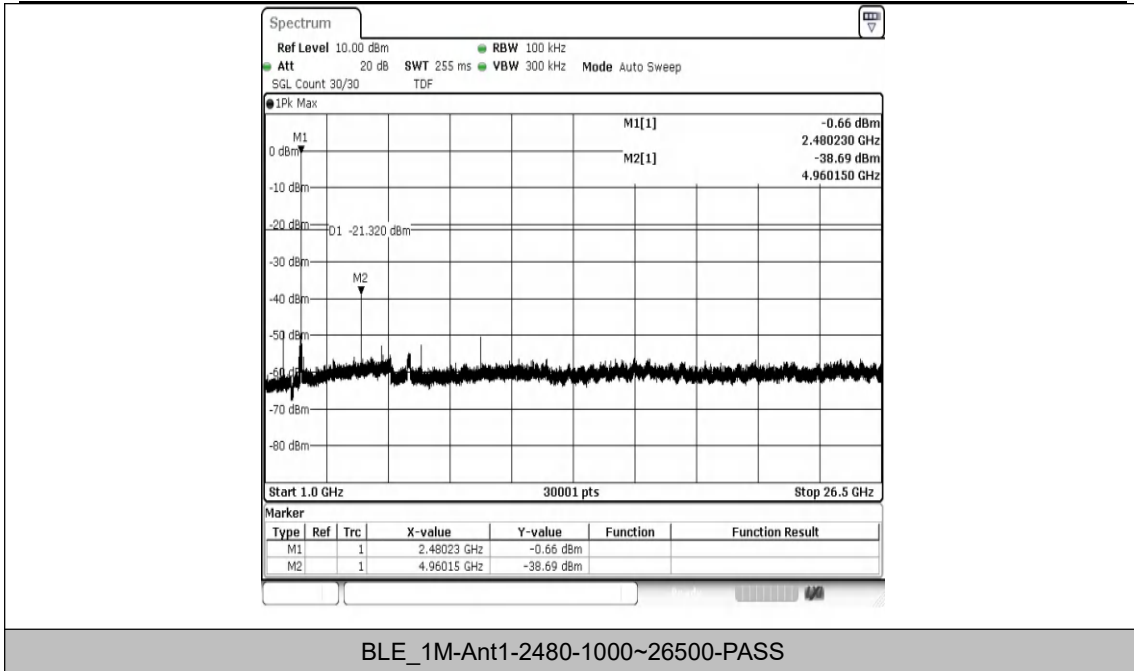


BLE\_1M-Ant1-2480-30~1000-PASS

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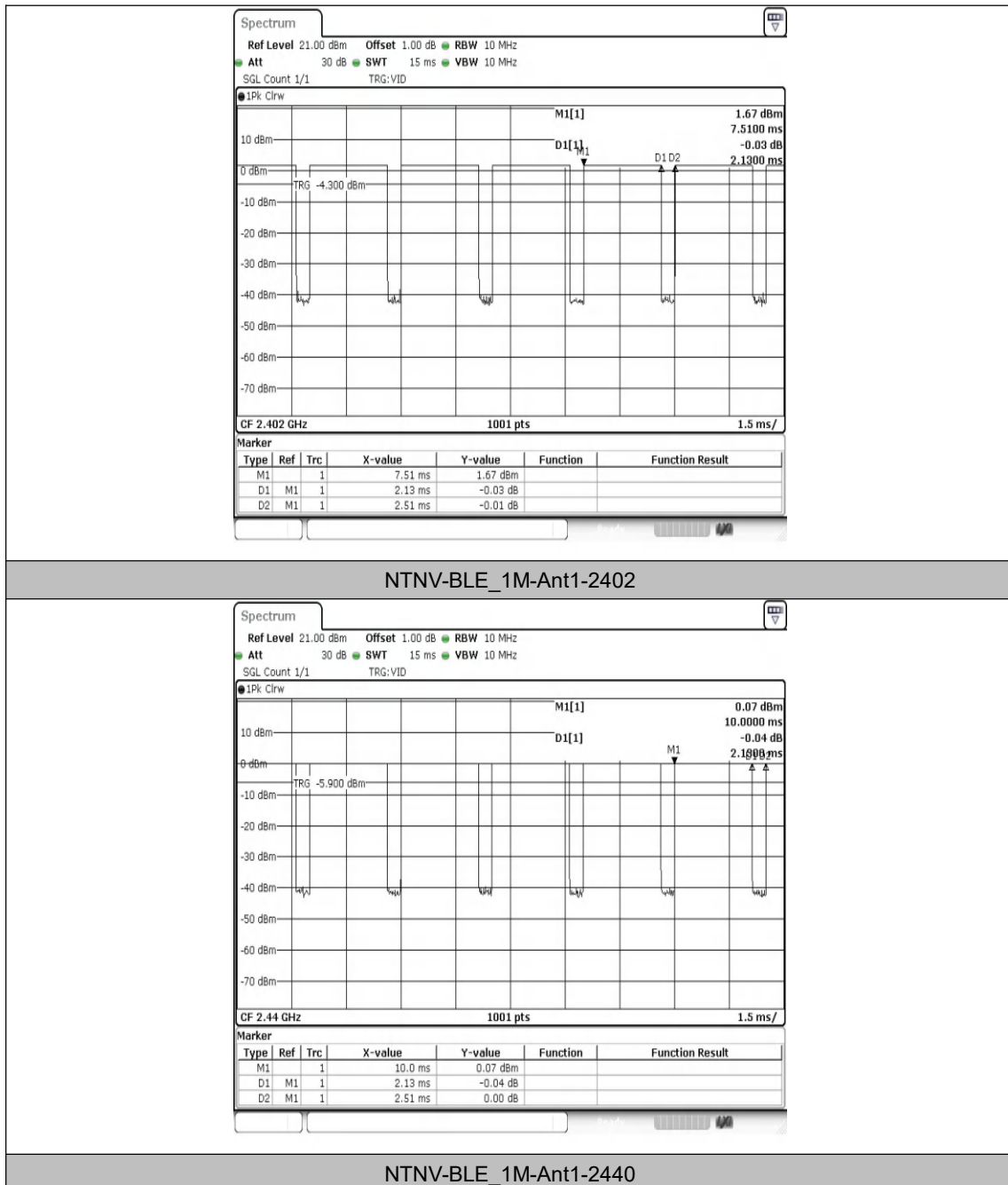


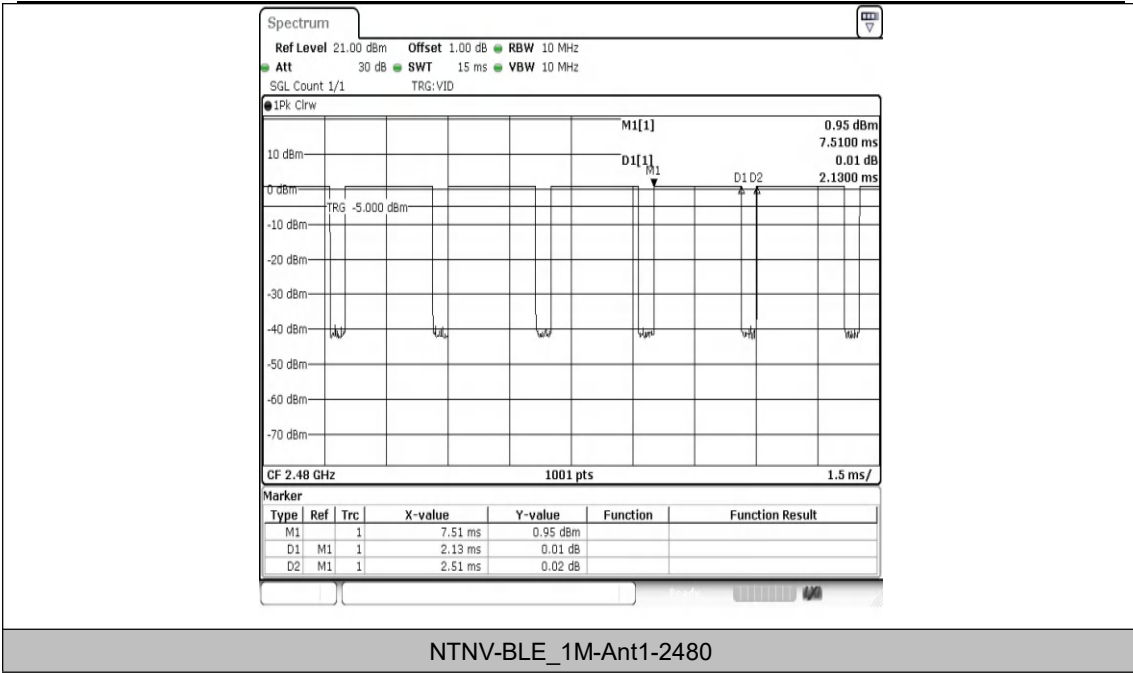
## Appendix G: Duty Cycle

### 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





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