

## Appendix Test Data

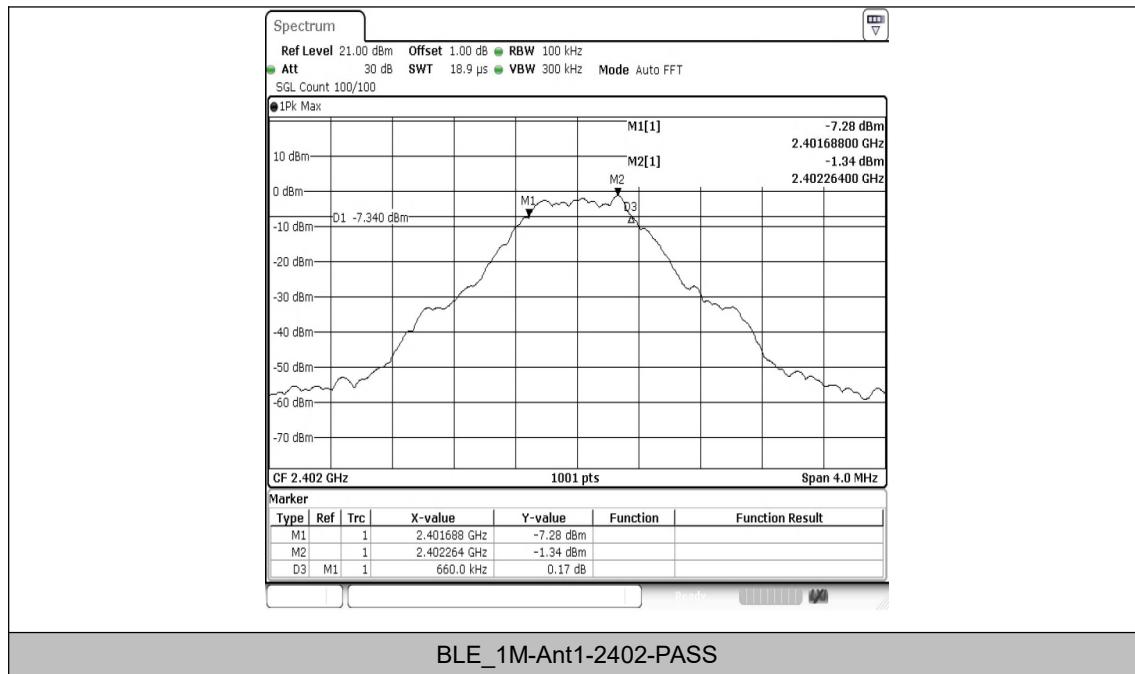
Report No.:	1812C50273812503	Test Sample No.:	1-2-2
Start Test Date:	2025-6-6	Finish Test Date:	2025-8-6
Test Engineer:	dylan. Ma	Auditor:	Justin Feng
Temperature:	26.2°C	Relative Humidity:	55%
Pressure:	101kPa		

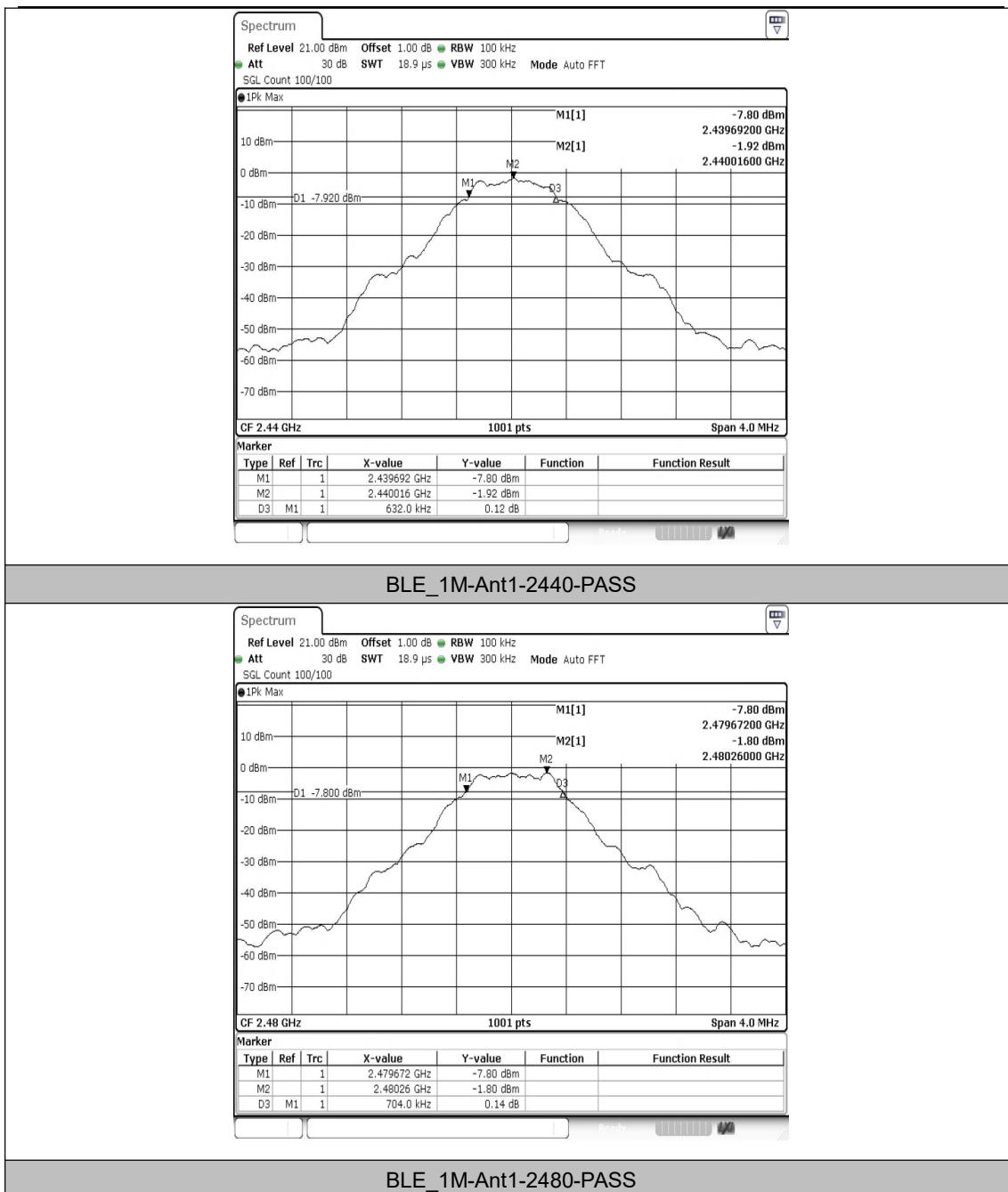
## Appendix A: 6dB Bandwidth

### Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.66	2401.69	2402.35	0.5	PASS
BLE_1M	Ant1	2440	0.63	2439.69	2440.32	0.5	PASS
BLE_1M	Ant1	2480	0.70	2479.67	2480.38	0.5	PASS

### Test Graphs





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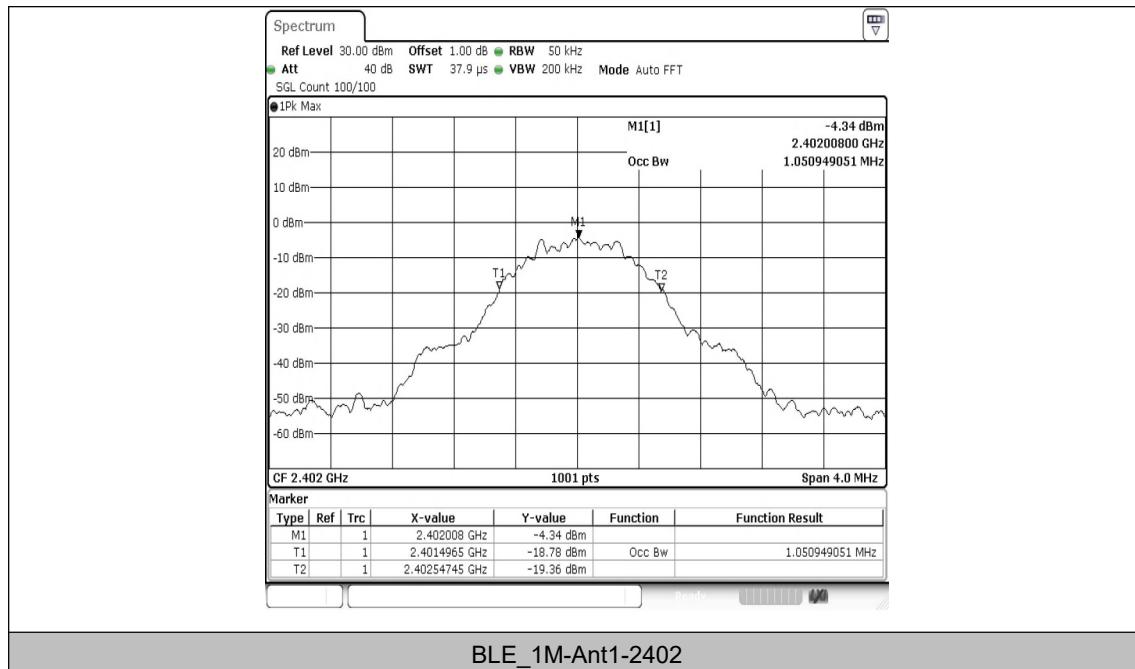
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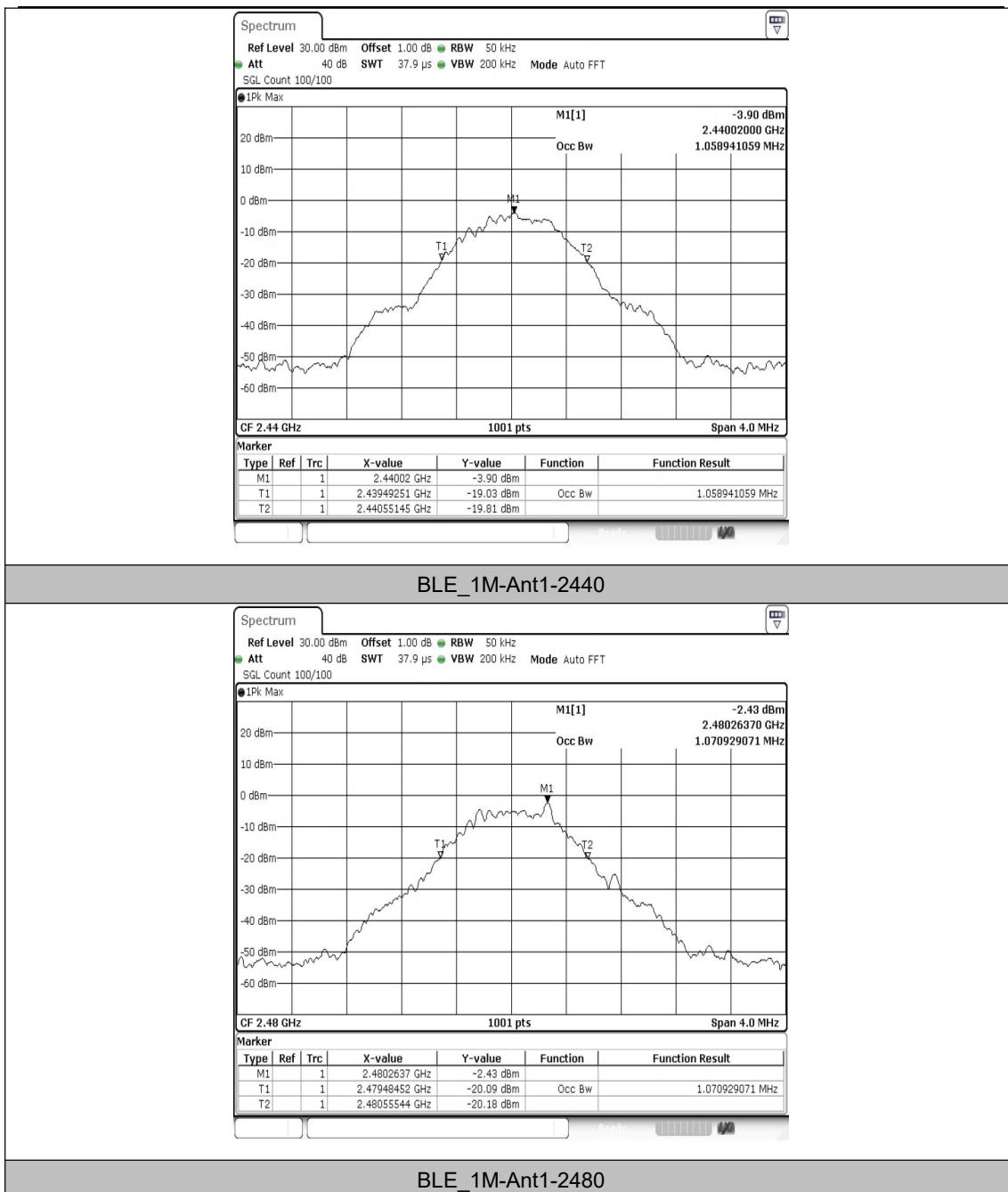
## Appendix B: 99% Occupied Bandwidth

### Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0509	2401.4965	2402.5475	---	---
BLE_1M	Ant1	2440	1.0589	2439.4925	2440.5514	---	---
BLE_1M	Ant1	2480	1.0709	2479.4845	2480.5554	---	---

### Test Graphs





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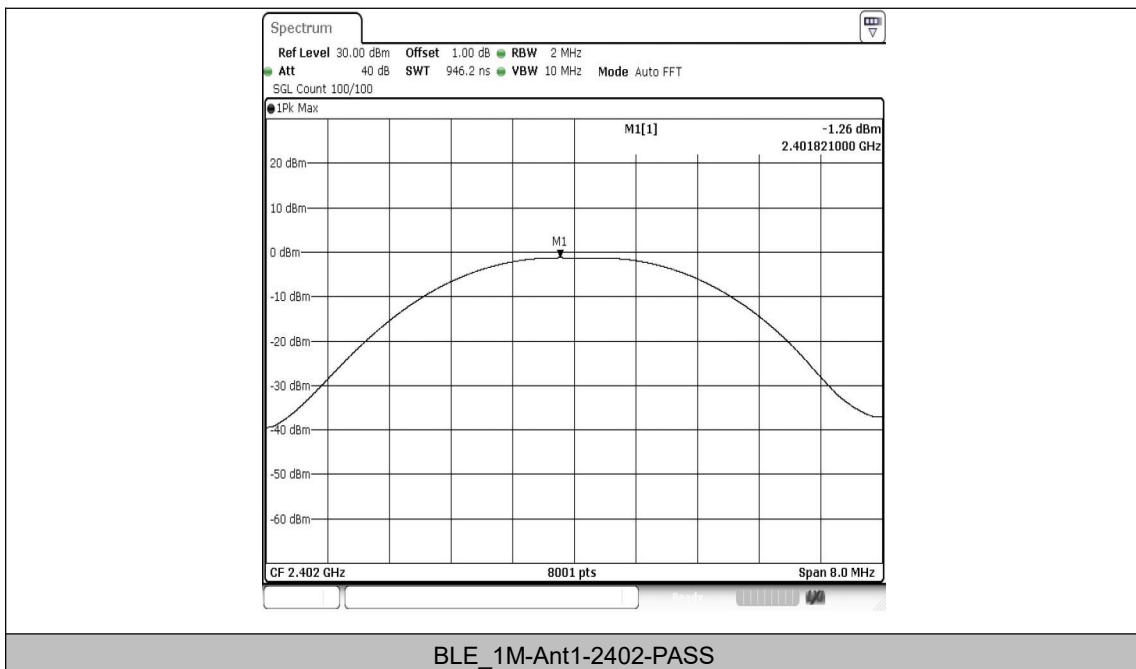
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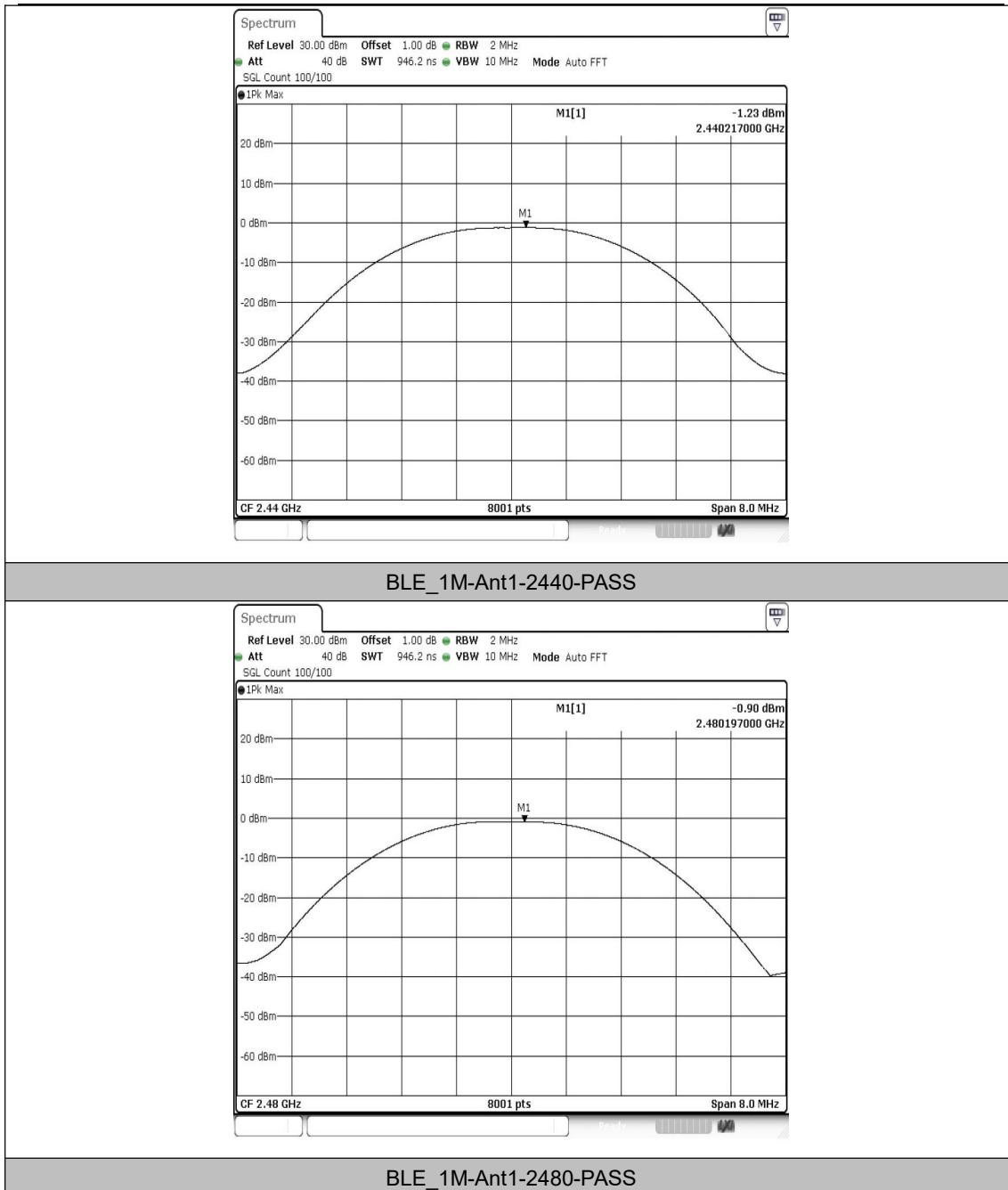
## Appendix C: Maximum conducted output power

### Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.26	≤30	PASS
BLE_1M	Ant1	2440	-1.23	≤30	PASS
BLE_1M	Ant1	2480	<b>-0.90</b>	≤30	PASS

### Test Graphs Peak





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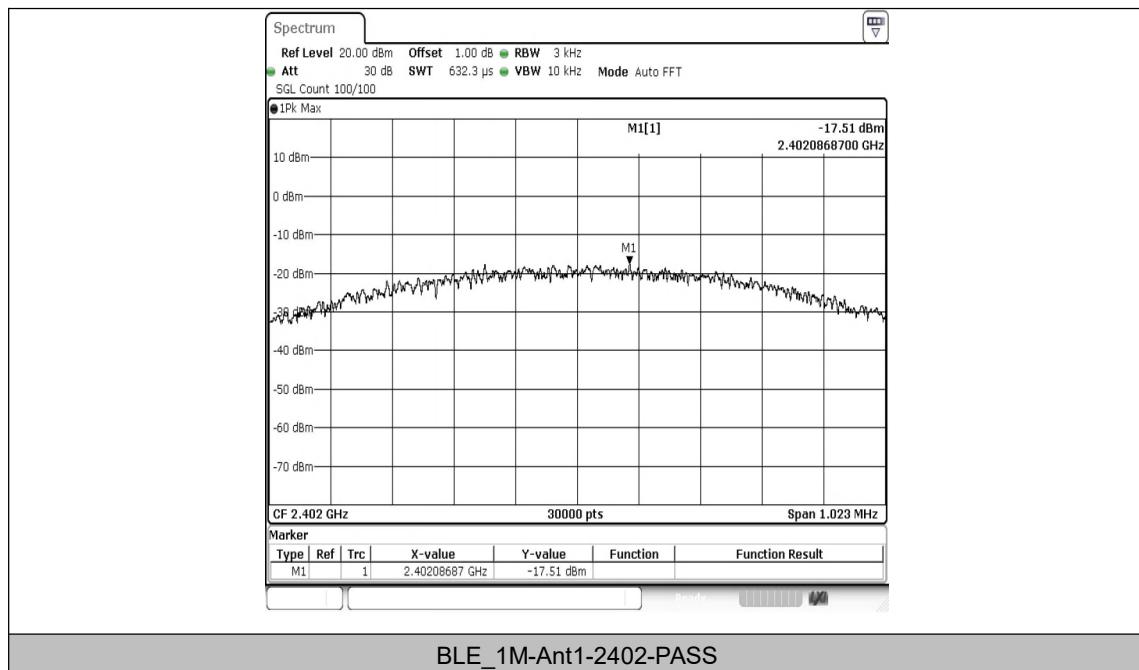
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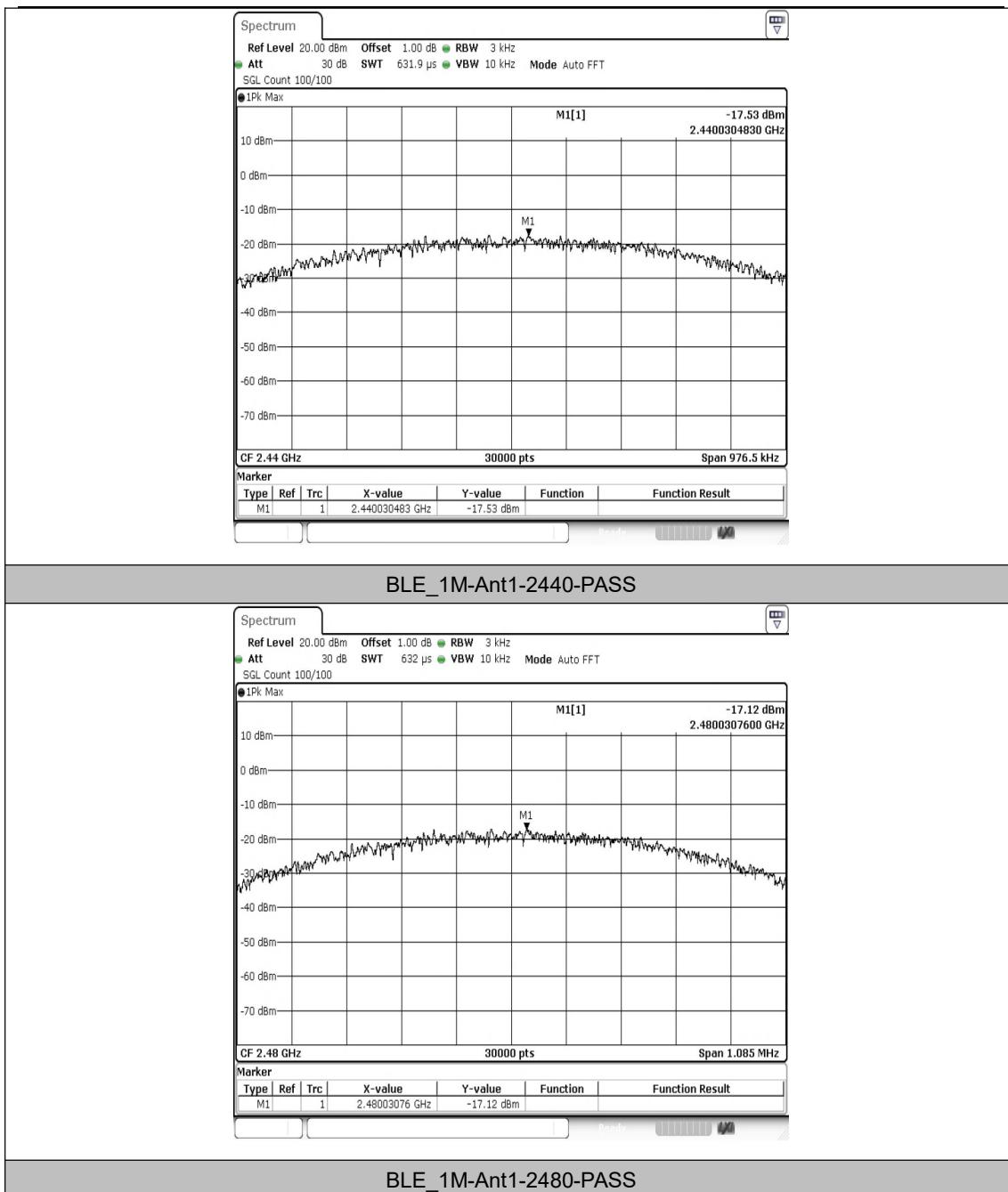
## Appendix D: Maximum power spectral density

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-17.51	≤8.00	PASS
BLE_1M	Ant1	2440	-17.53	≤8.00	PASS
BLE_1M	Ant1	2480	-17.12	≤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	-1.25	-51.41	≤-21.25	PASS
BLE_1M	Ant1	High	2480	-2.32	-50.79	≤-22.32	PASS

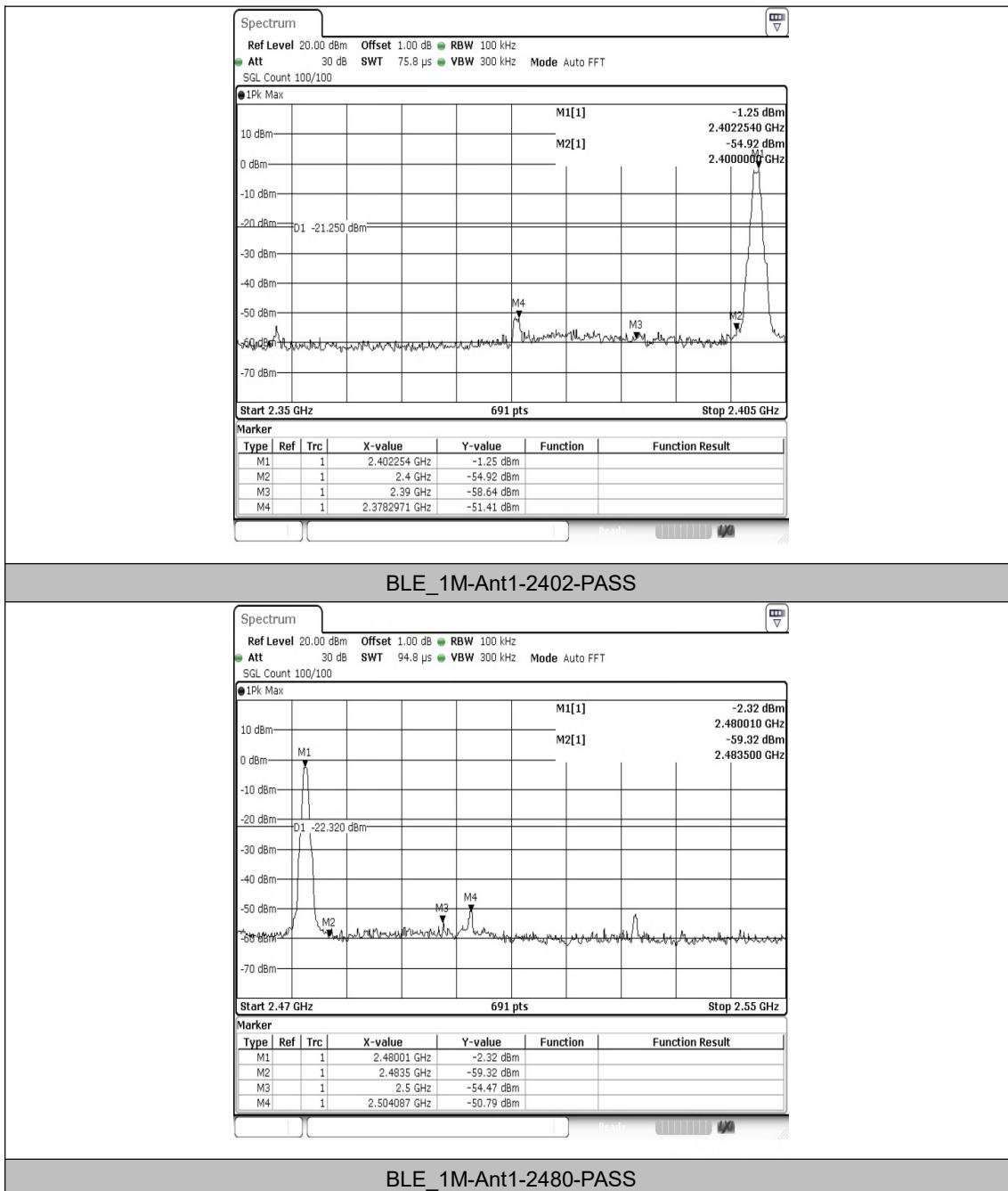
Remark:1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable loss have been set in the 'offset' of the Spectrum Analyzer during the test.

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## Test Graphs



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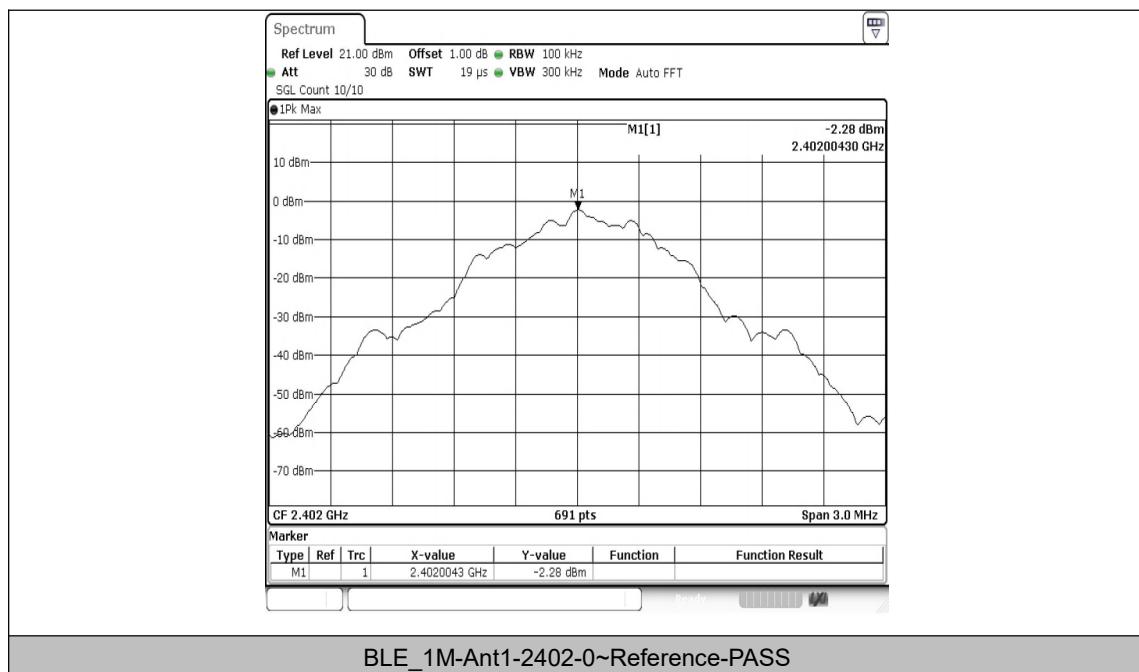
## Appendix F: Conducted Spurious Emission

### Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-2.28	-2.28	---	PASS
BLE_1M	Ant1	2402	30~1000	-2.28	-58.5	≤-22.28	PASS
BLE_1M	Ant1	2402	1000~26500	-2.28	-43.79	≤-22.28	PASS
BLE_1M	Ant1	2440	0~Reference	-3.30	-3.30	---	PASS
BLE_1M	Ant1	2440	30~1000	-3.30	-58.21	≤-23.3	PASS
BLE_1M	Ant1	2440	1000~26500	-3.30	-44.37	≤-23.3	PASS
BLE_1M	Ant1	2480	0~Reference	-2.60	-2.60	---	PASS
BLE_1M	Ant1	2480	30~1000	-2.60	-57.83	≤-22.6	PASS
BLE_1M	Ant1	2480	1000~26500	-2.60	-42.27	≤-22.6	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.

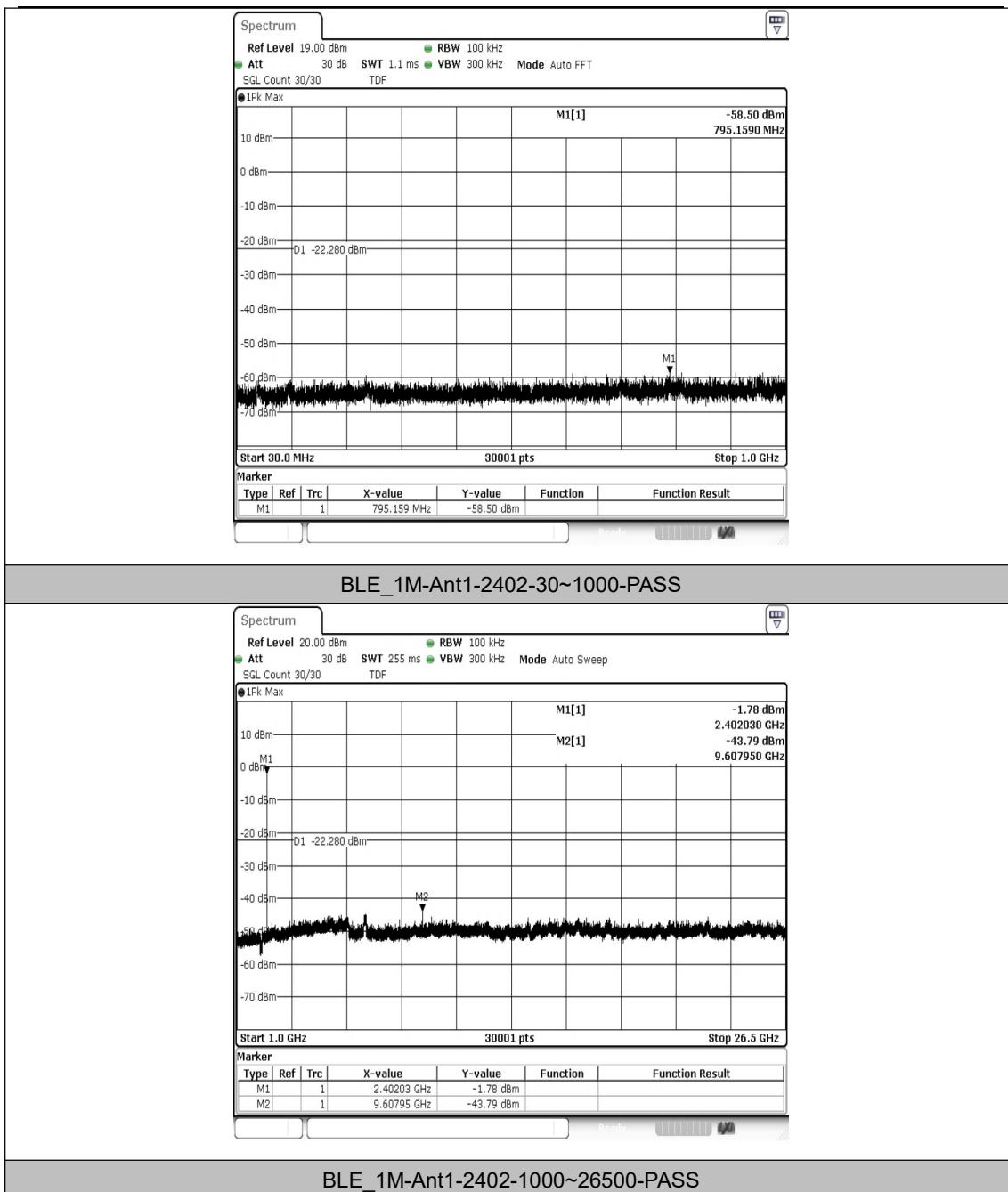
### Test Graphs



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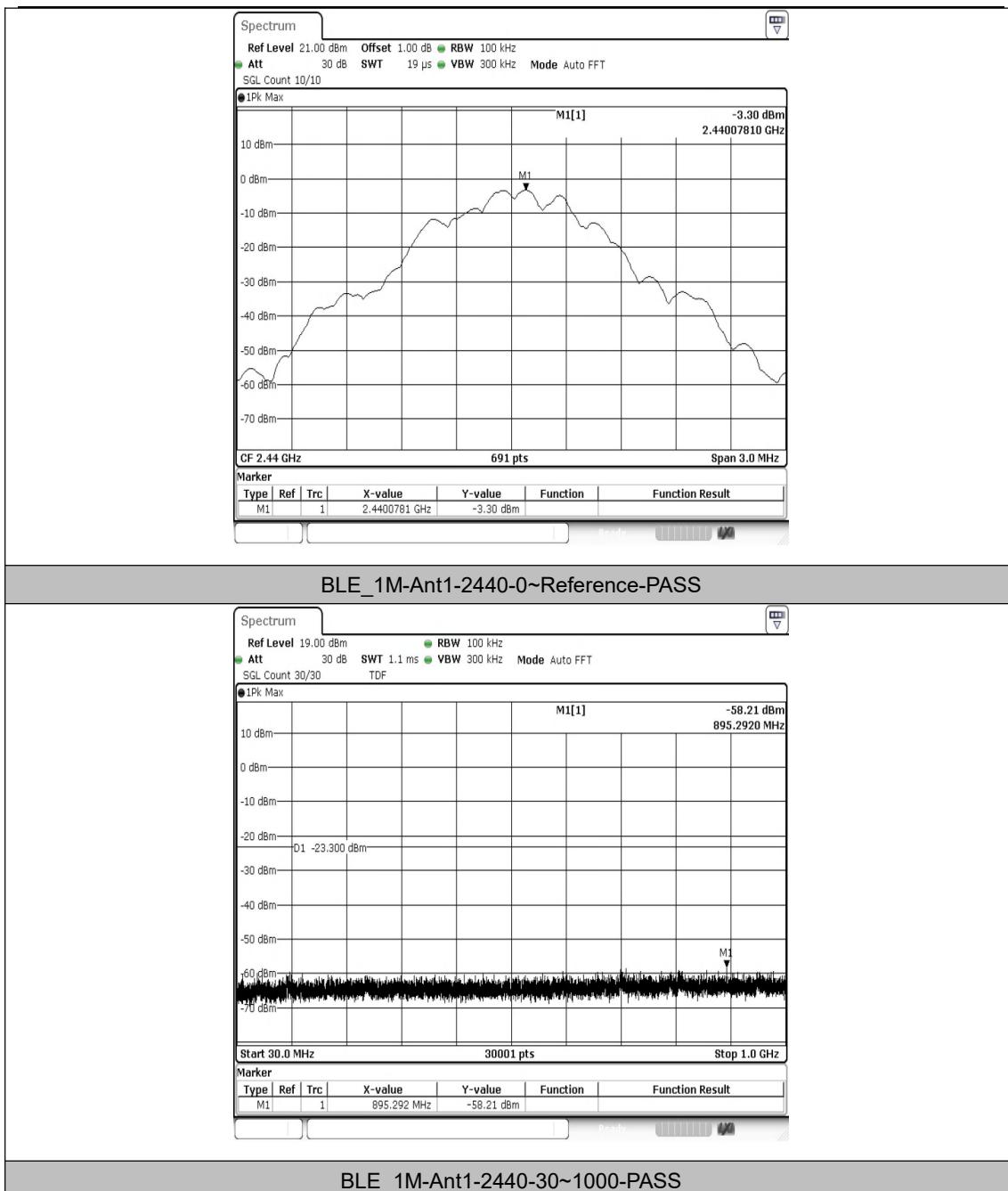
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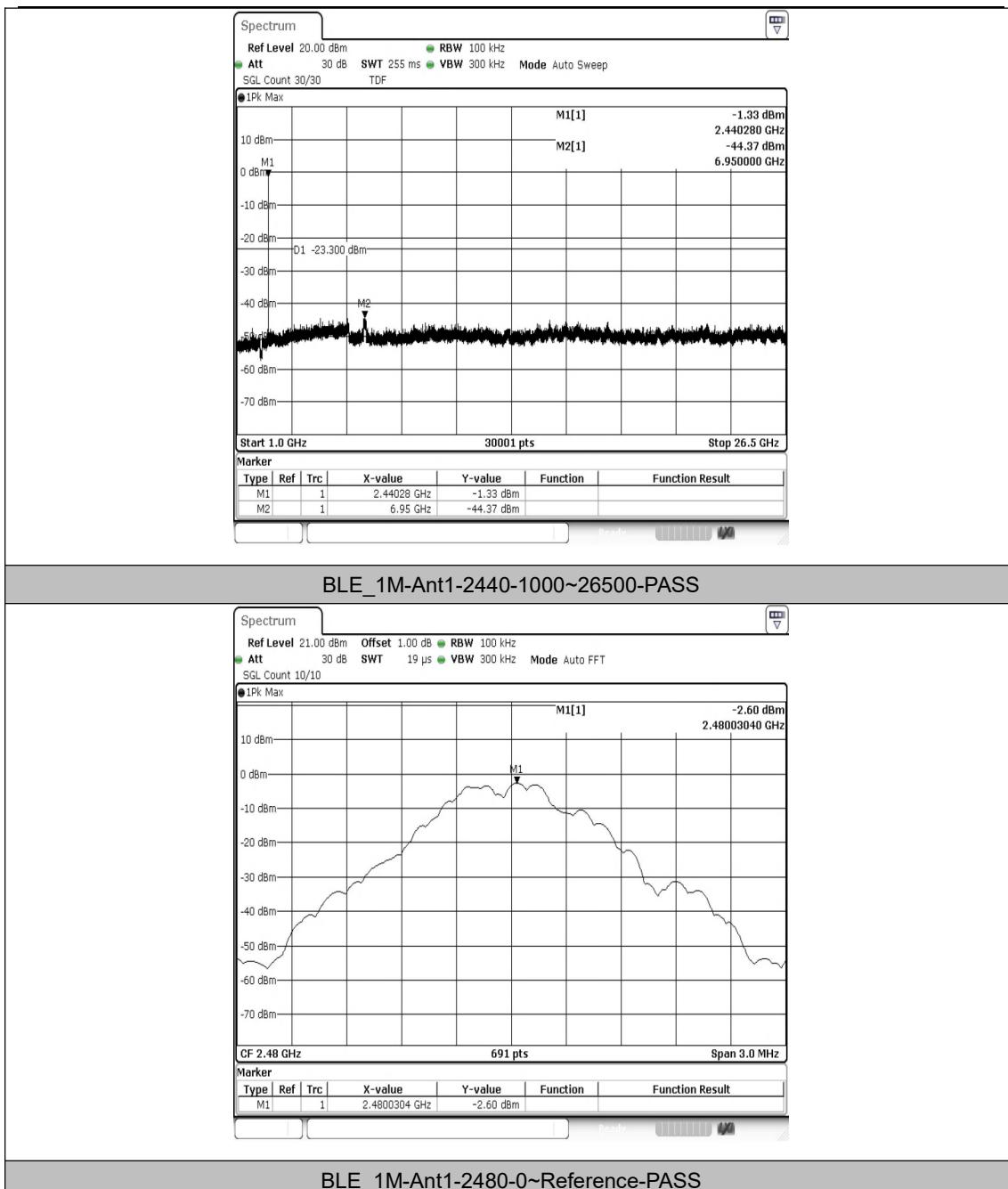
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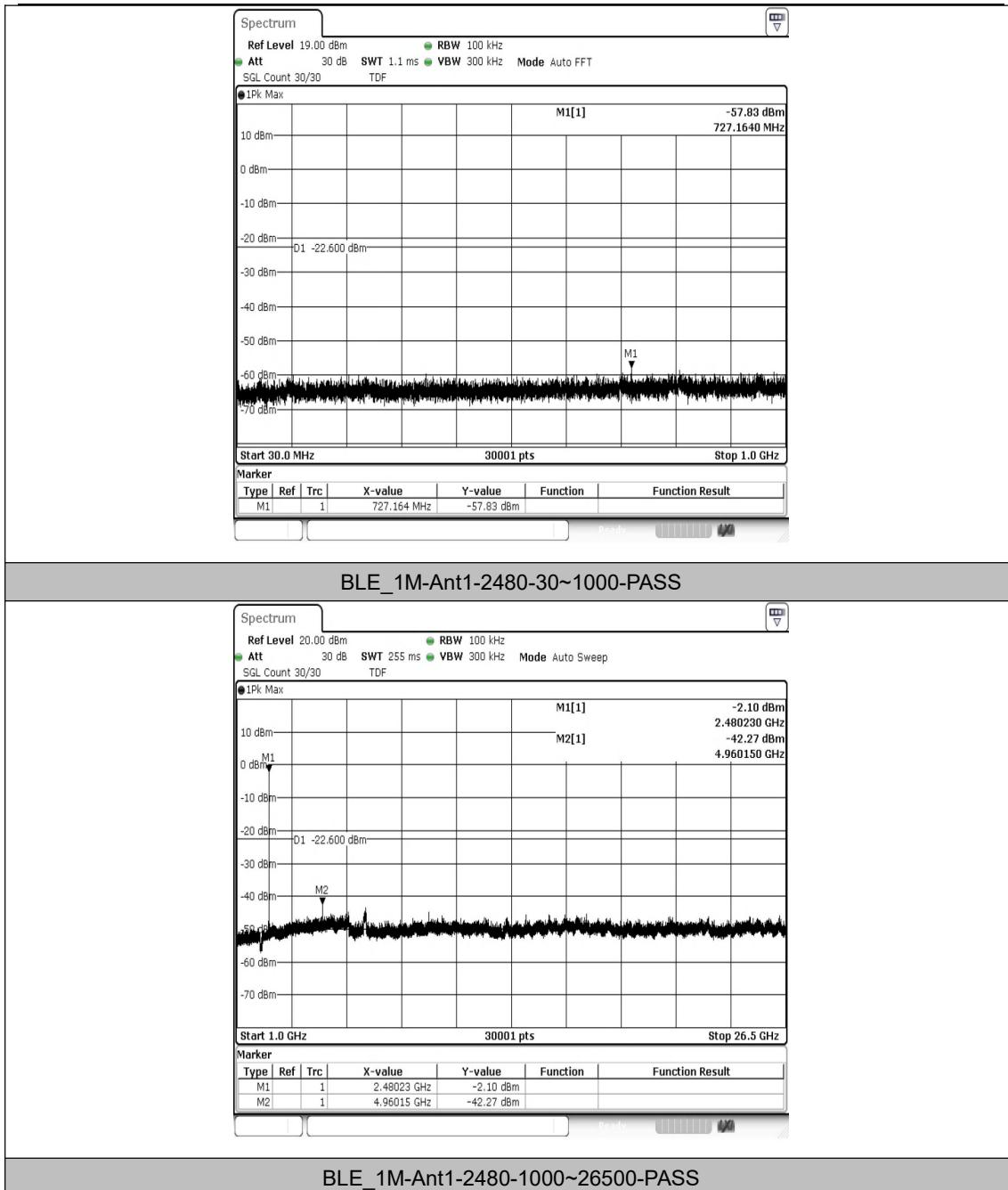
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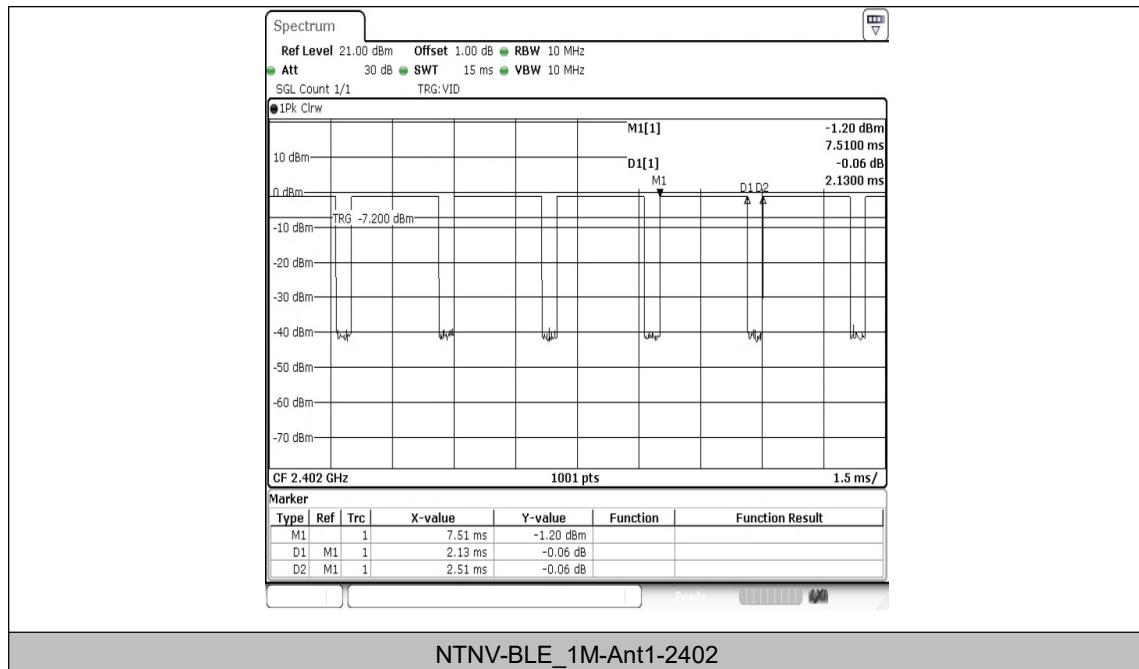
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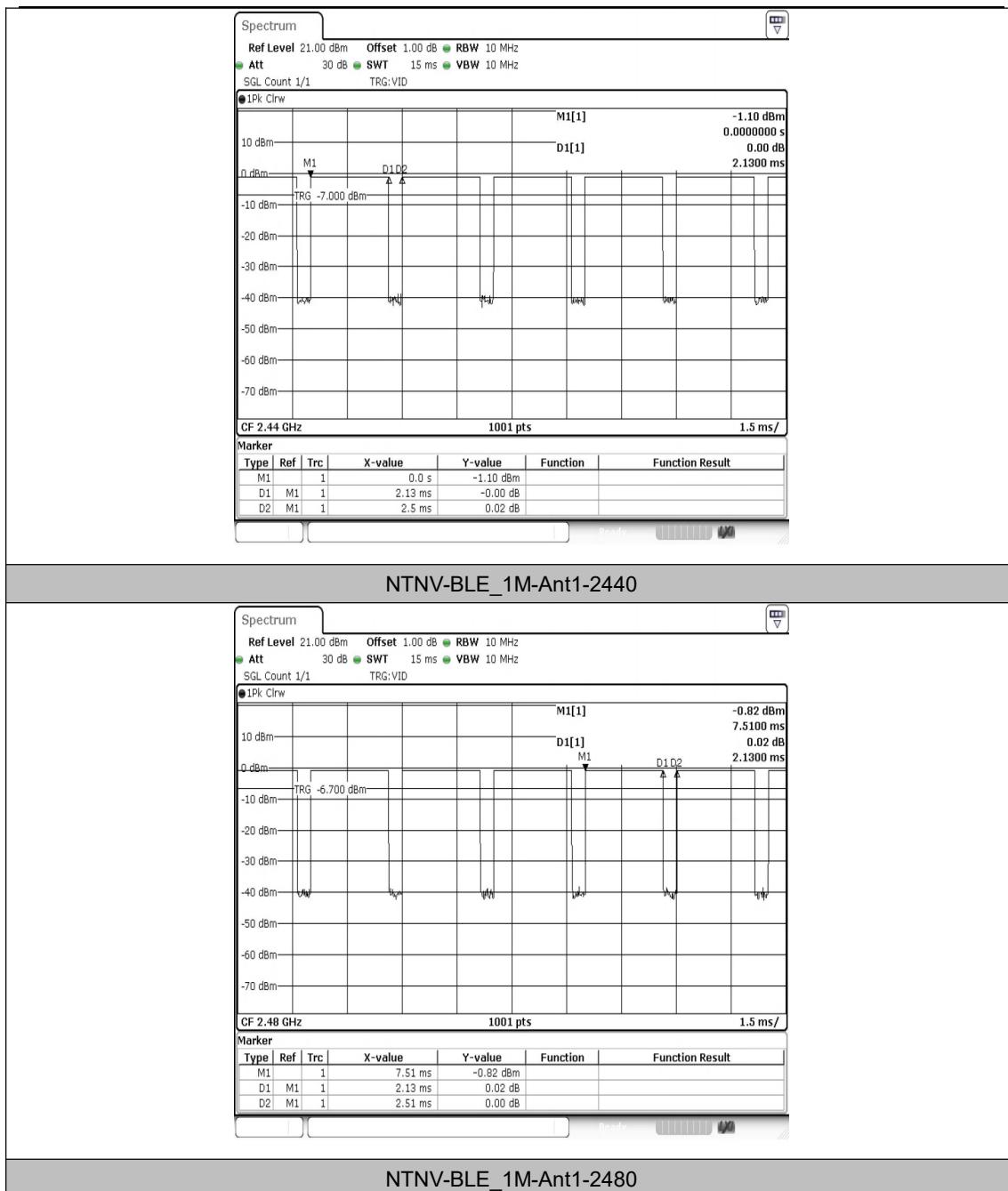
## Appendix G: Duty Cycle

### 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	2.50	85.20	0.70
BLE_1M	Ant1	2480	2.13	2.51	84.86	0.71

### Test Graphs





---End---

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