

## Appendix Test Data

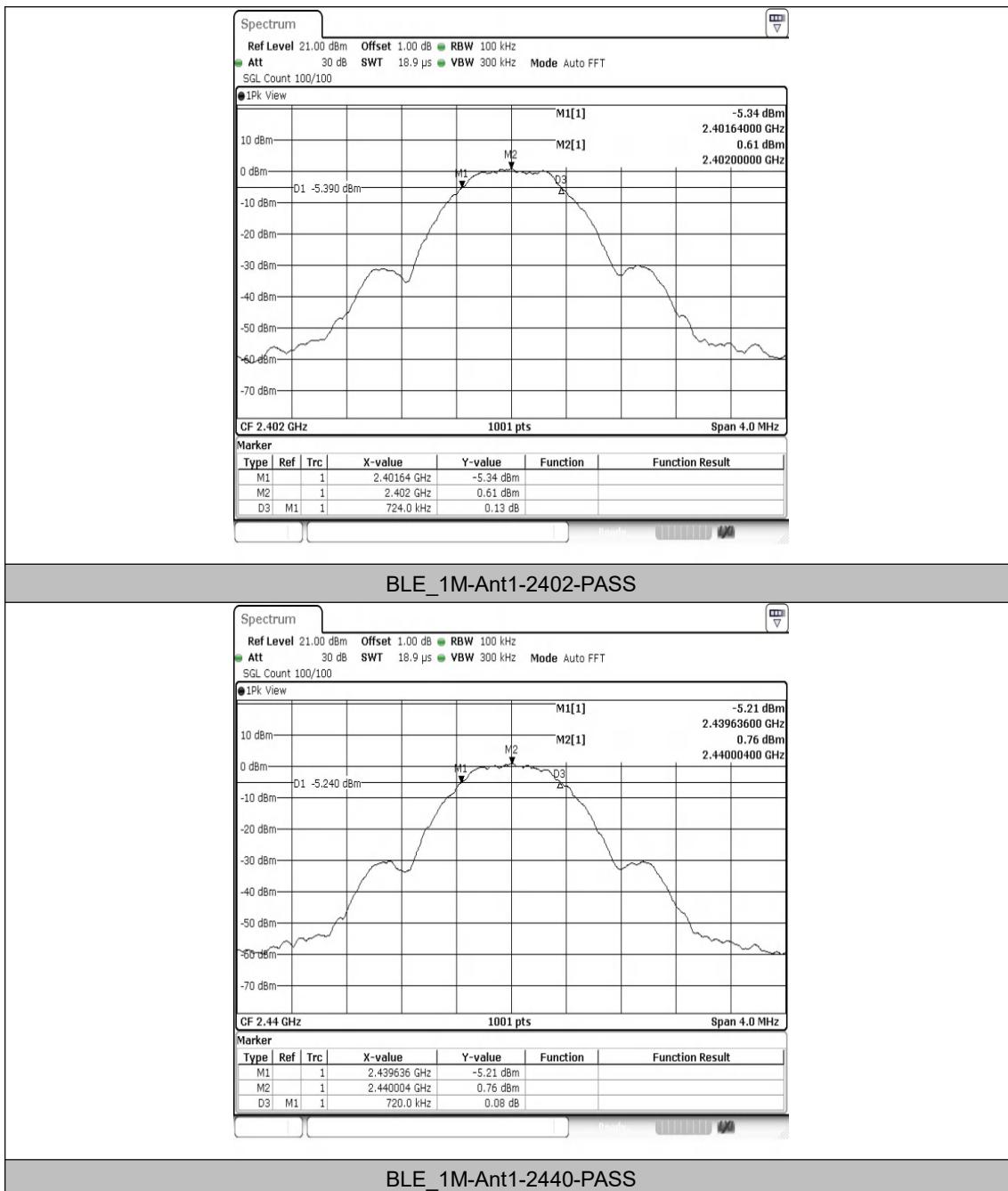
Report No.:	1812C50023312502	Test Sample No.:	1-2-2
Start Test Date:	2025-1-16	Finish Test Date:	2025-5-19
Test Engineer:	Huisen Guan	Auditor:	Justin Feng
Temperature:	23.0°C	Relative Humidity:	46%
Pressure:	101kPa		

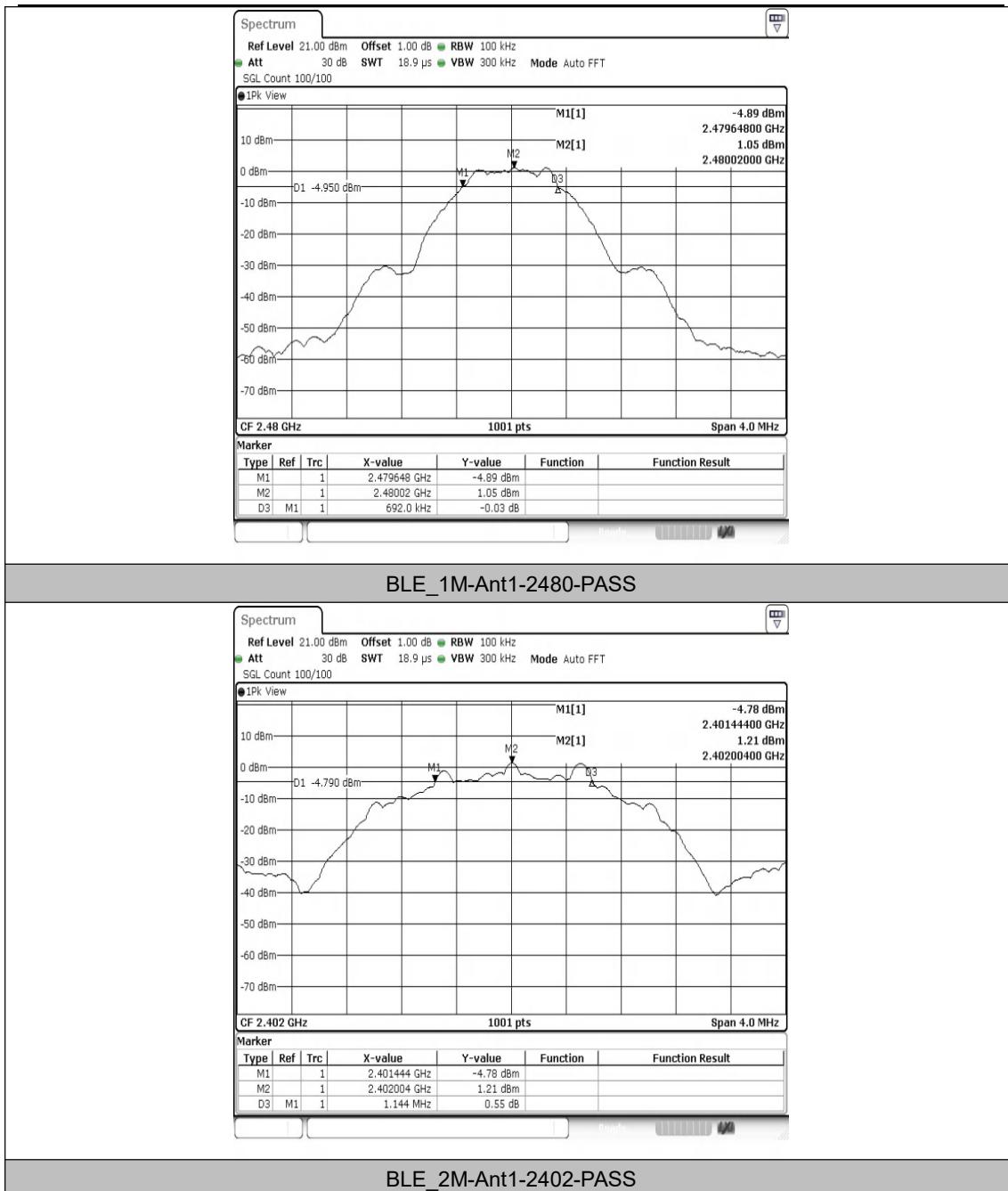
## Appendix A: 6dB Bandwidth

### Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.72	2401.64	2402.36	0.5	PASS
BLE_1M	Ant1	2440	0.72	2439.64	2440.36	0.5	PASS
BLE_1M	Ant1	2480	0.69	2479.65	2480.34	0.5	PASS
BLE_2M	Ant1	2402	1.14	2401.44	2402.59	0.5	PASS
BLE_2M	Ant1	2440	1.06	2439.50	2440.56	0.5	PASS
BLE_2M	Ant1	2480	1.10	2479.46	2480.56	0.5	PASS

## Test Graphs

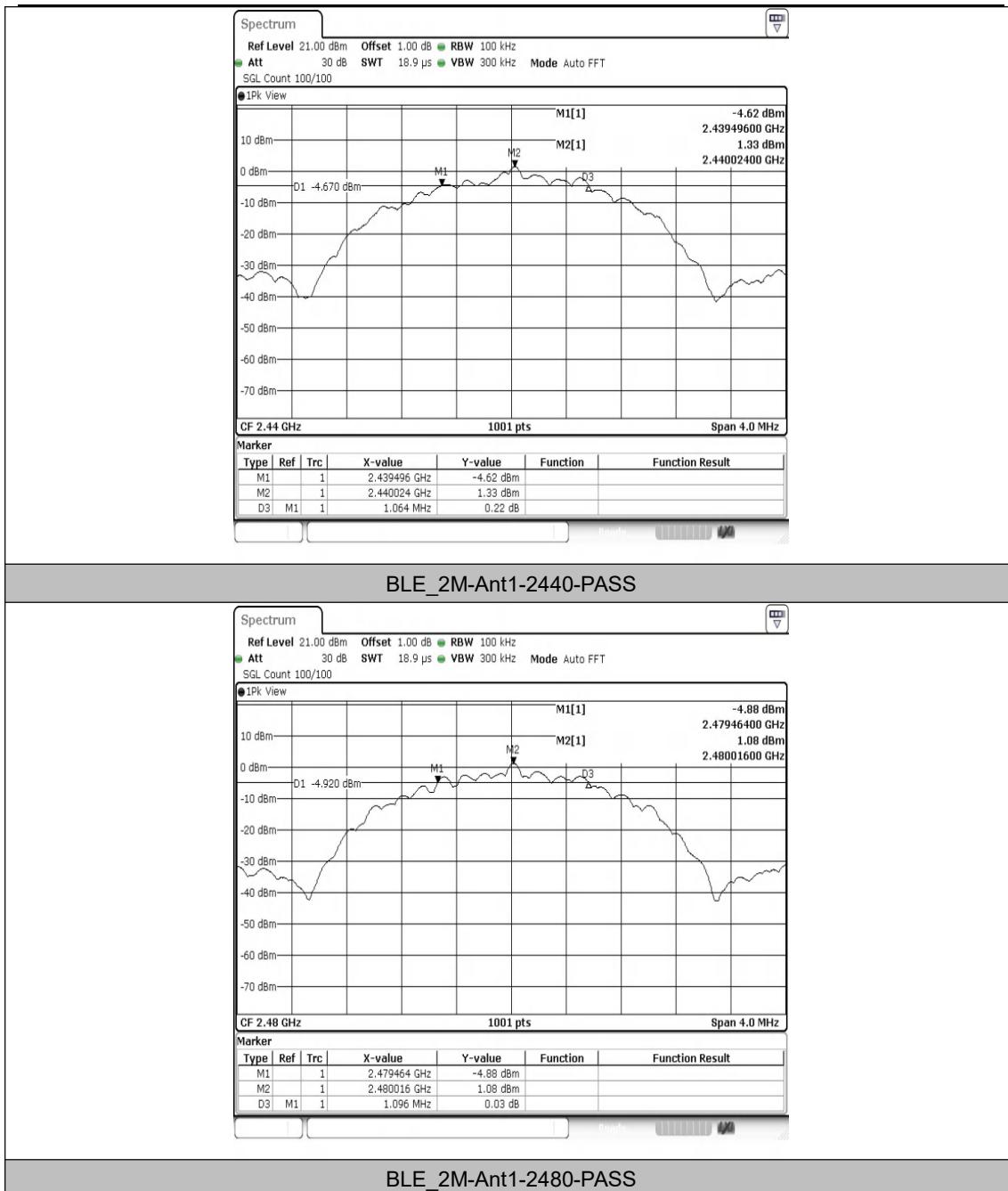




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## Appendix B: 99% Occupied Bandwidth

### Test Result

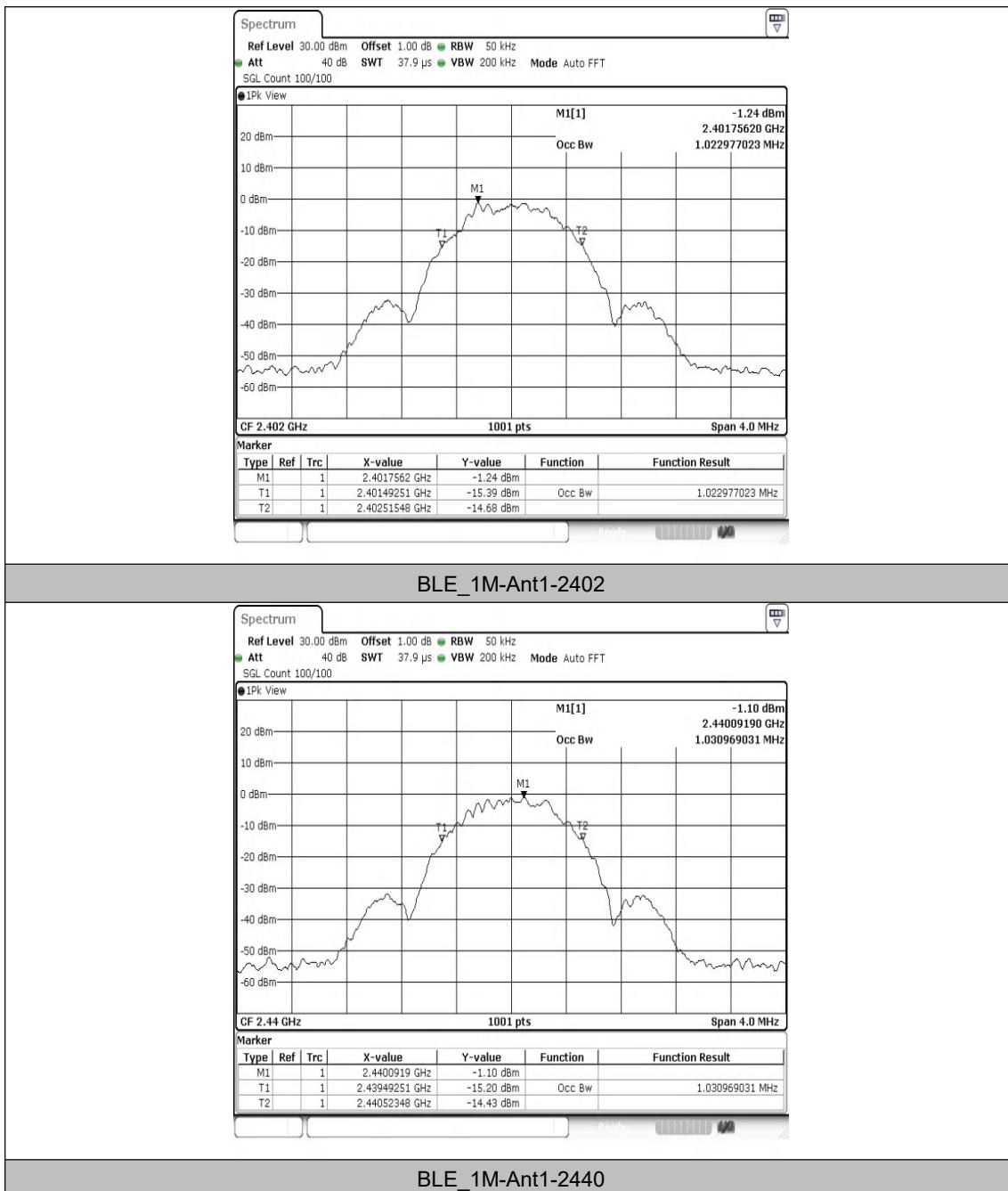
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0230	2401.4925	2402.5155	---	---
BLE_1M	Ant1	2440	1.0310	2439.4925	2440.5235	---	---
BLE_1M	Ant1	2480	1.0310	2479.4965	2480.5275	---	---
BLE_2M	Ant1	2402	2.0460	2400.9970	2403.0430	---	---
BLE_2M	Ant1	2440	2.0420	2439.0050	2441.0470	---	---
BLE_2M	Ant1	2480	2.0500	2478.9970	2481.0470	---	---

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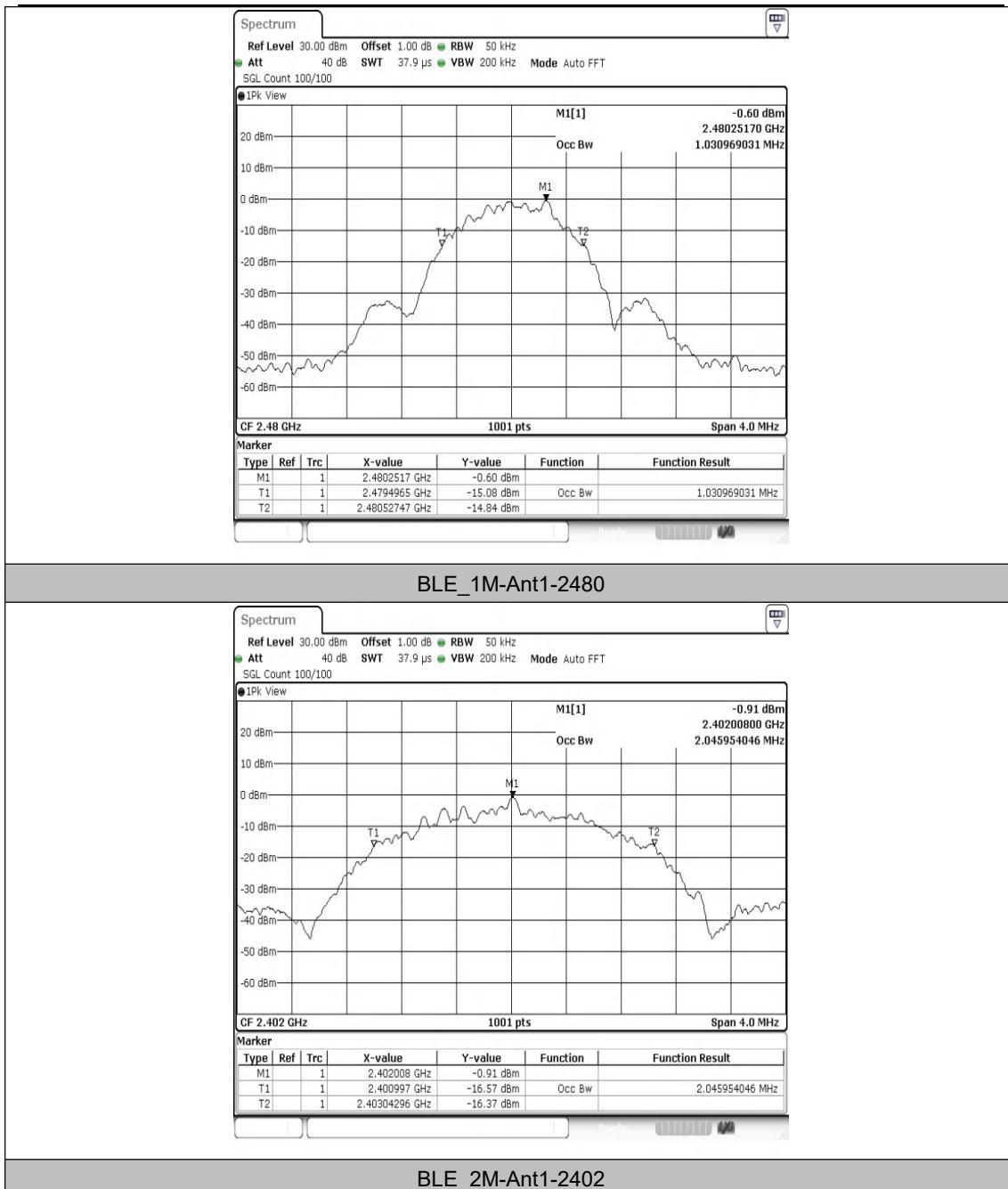
## Test Graphs



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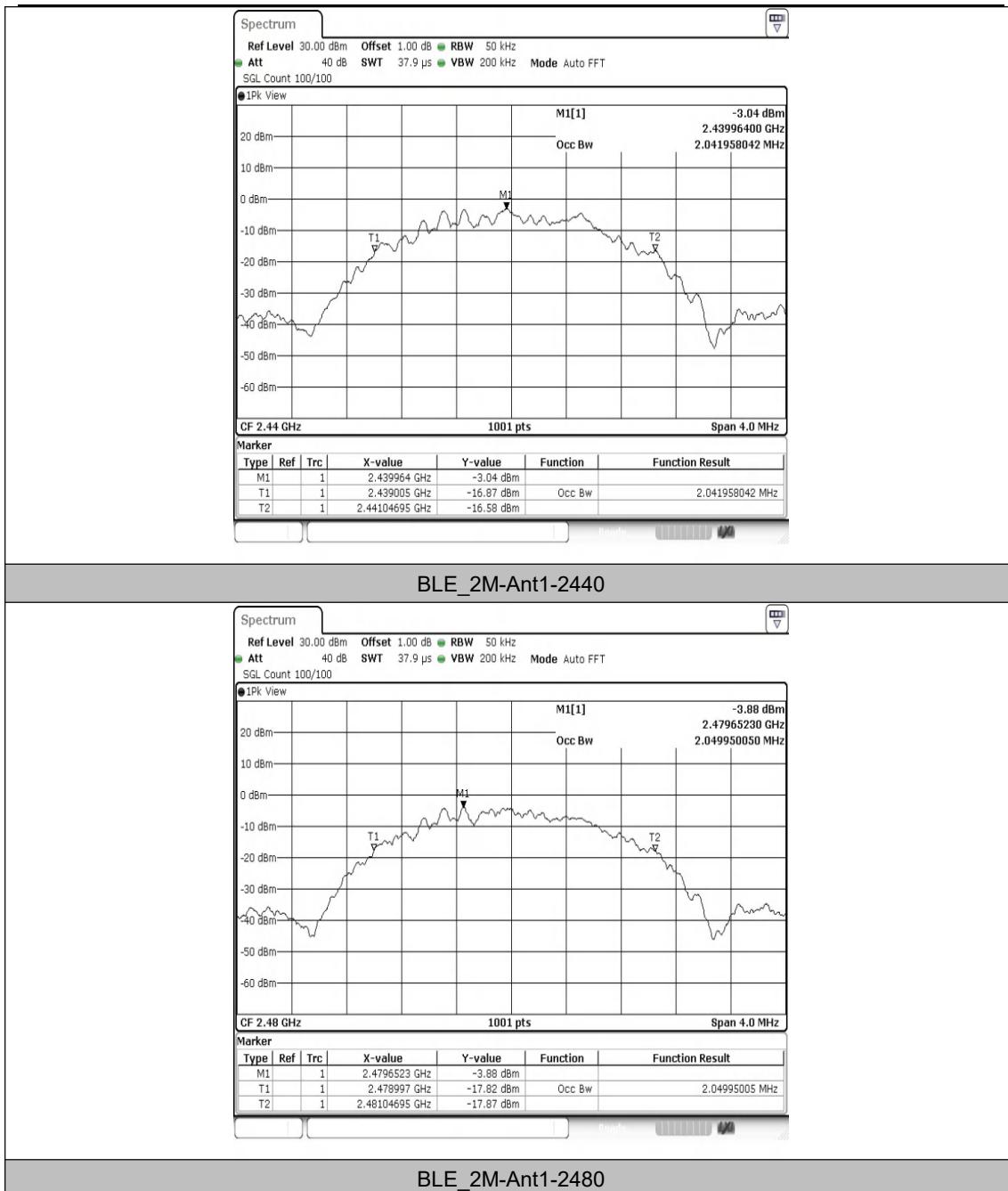
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## Appendix C: Maximum conducted output power

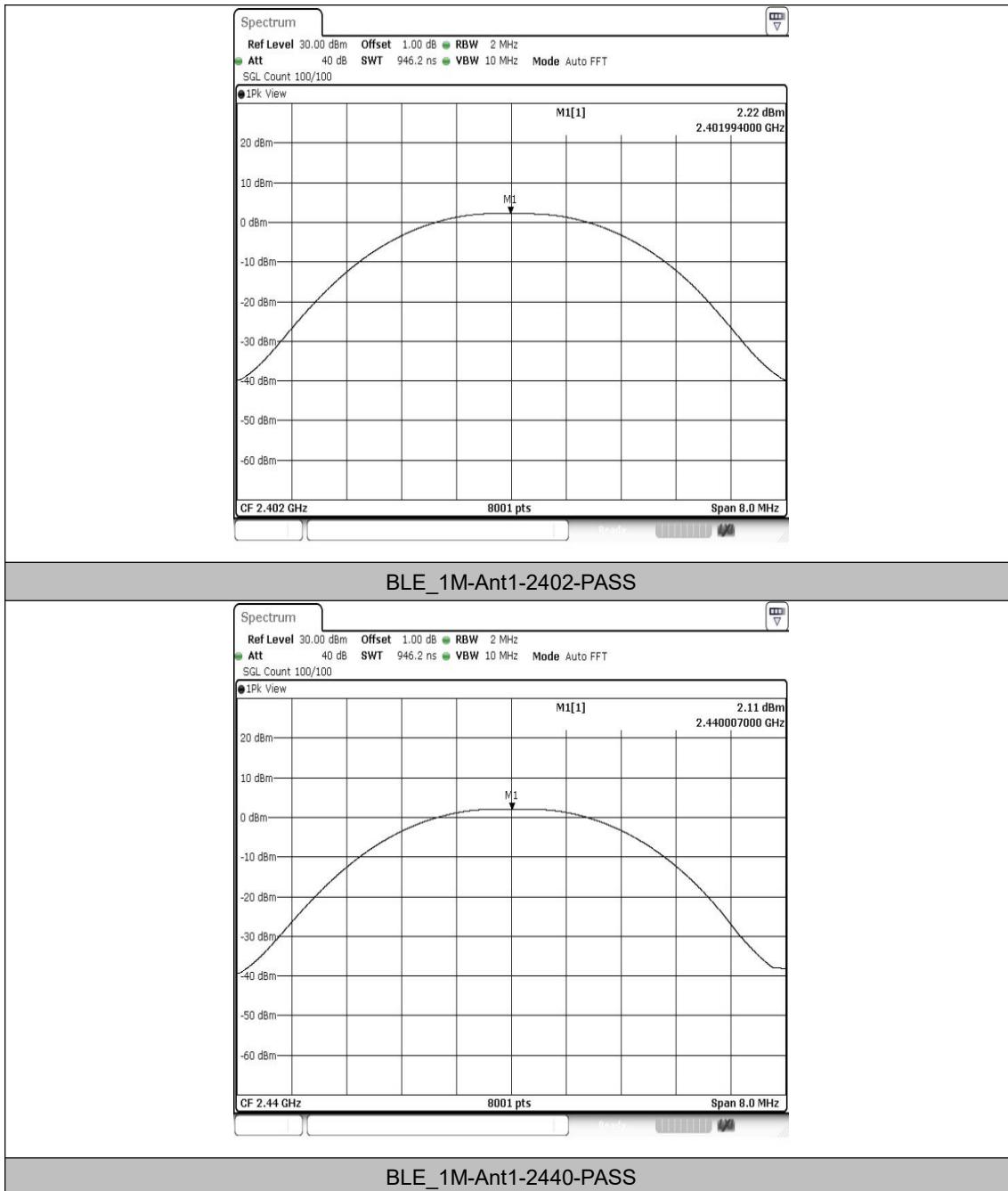
### Test Result Peak

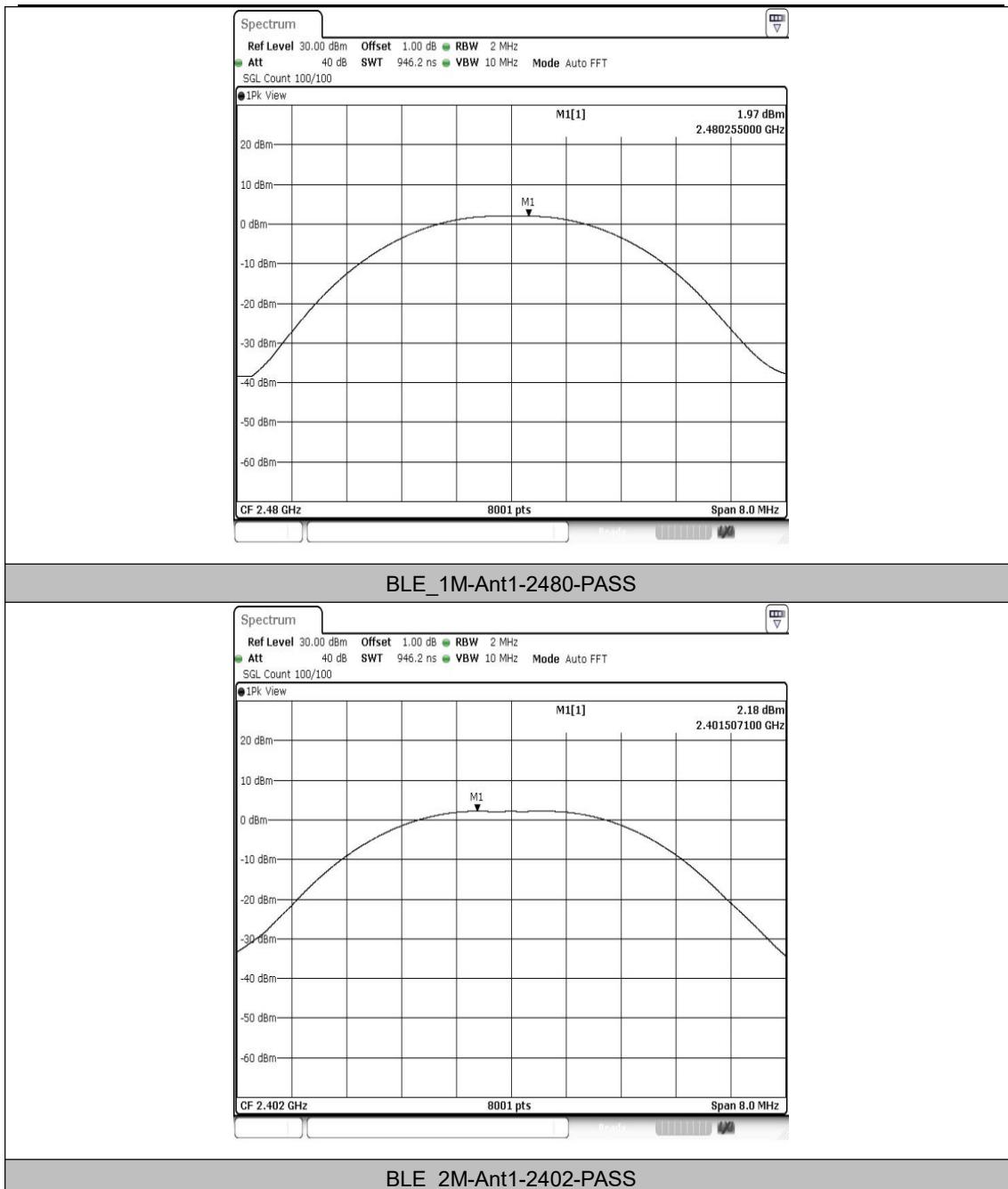
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	<b>2.22</b>	≤30	PASS
BLE_1M	Ant1	2440	2.11	≤30	PASS
BLE_1M	Ant1	2480	1.97	≤30	PASS
BLE_2M	Ant1	2402	2.18	≤30	PASS
BLE_2M	Ant1	2440	2.07	≤30	PASS
BLE_2M	Ant1	2480	1.93	≤30	PASS

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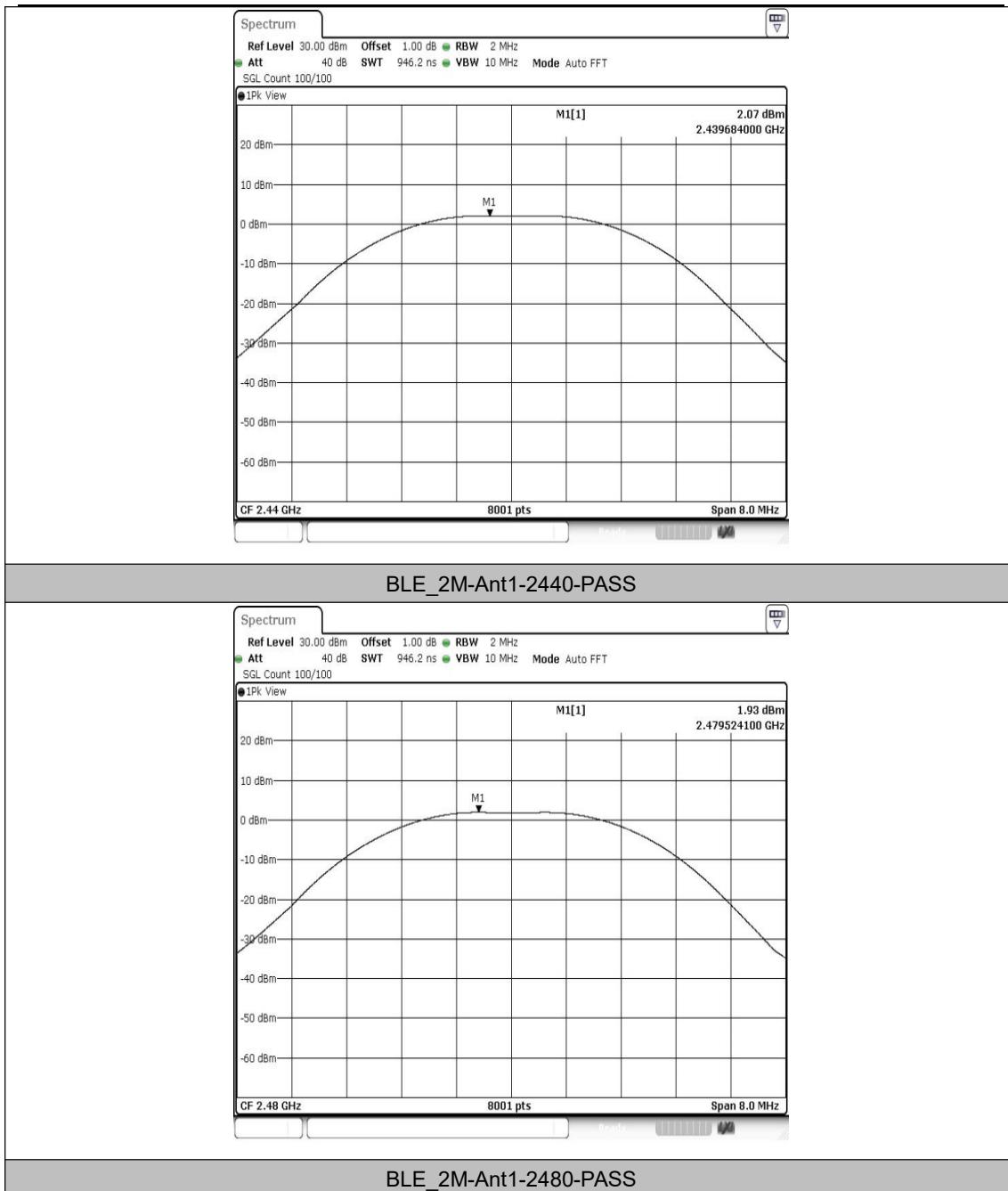
**Test Graphs Peak**



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## Appendix D: Maximum power spectral density

### Test Result

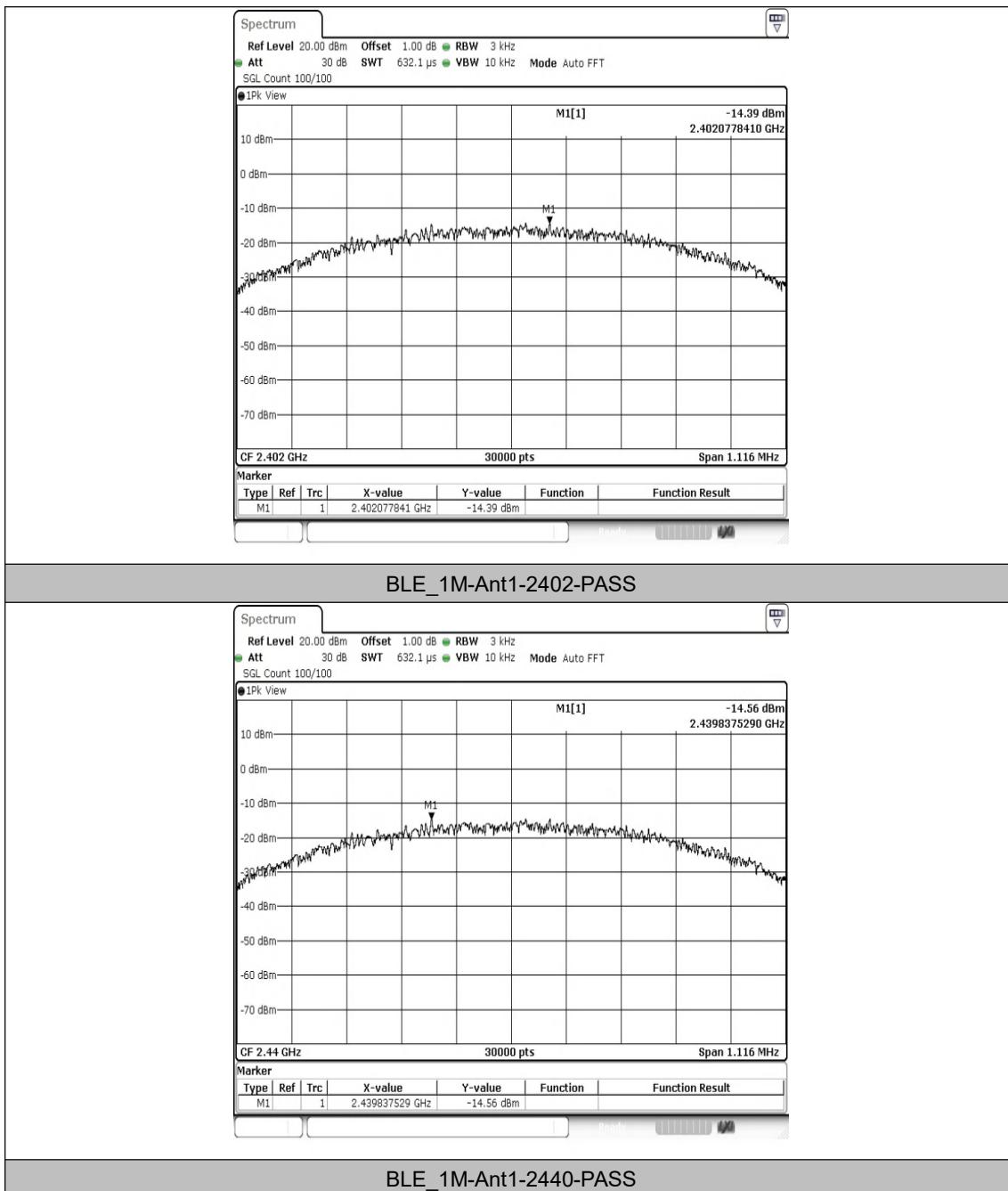
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.39	≤8.00	PASS
BLE_1M	Ant1	2440	-14.56	≤8.00	PASS
BLE_1M	Ant1	2480	-14.81	≤8.00	PASS
BLE_2M	Ant1	2402	-17.45	≤8.00	PASS
BLE_2M	Ant1	2440	-17.58	≤8.00	PASS
BLE_2M	Ant1	2480	-17.66	≤8.00	PASS

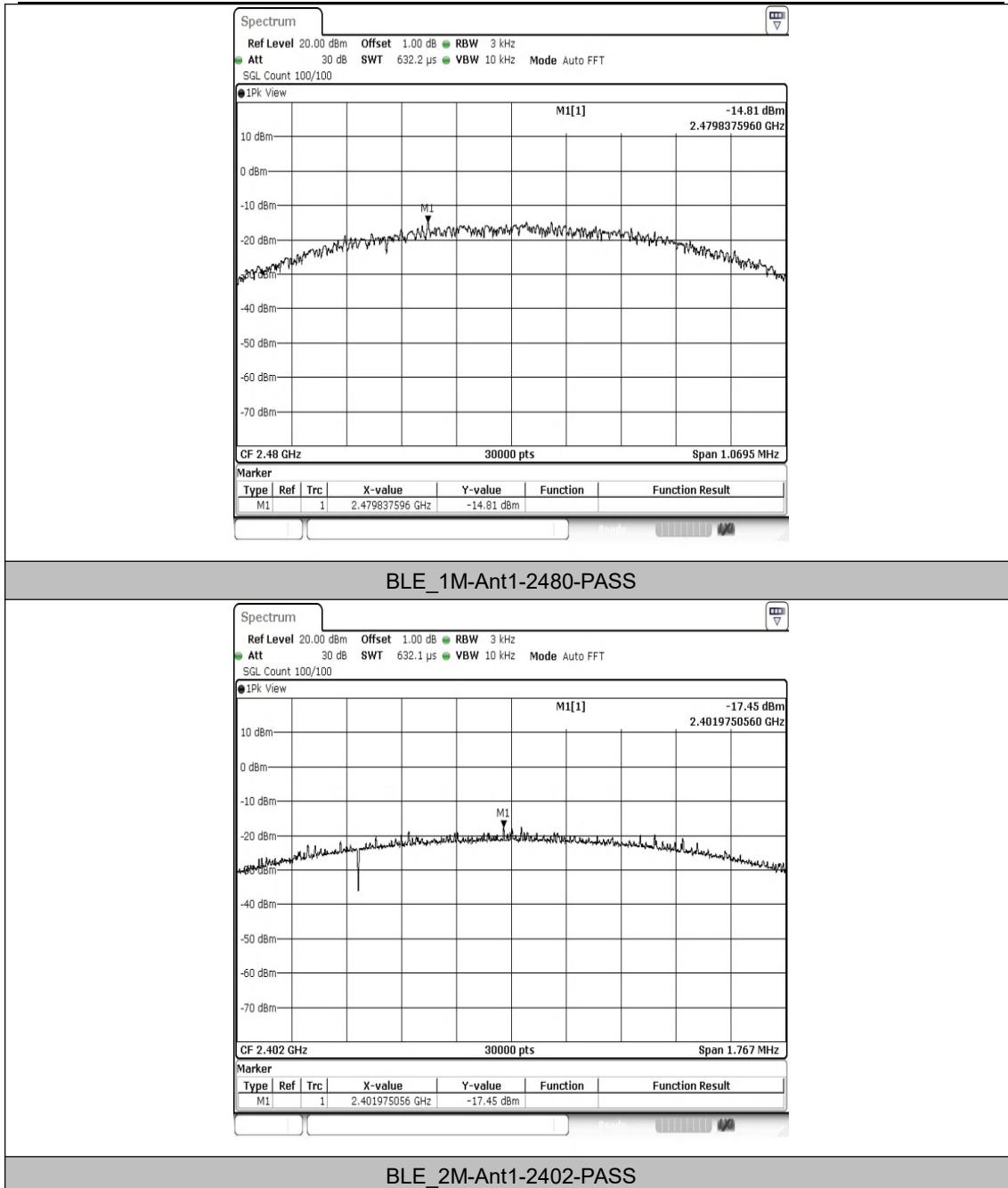
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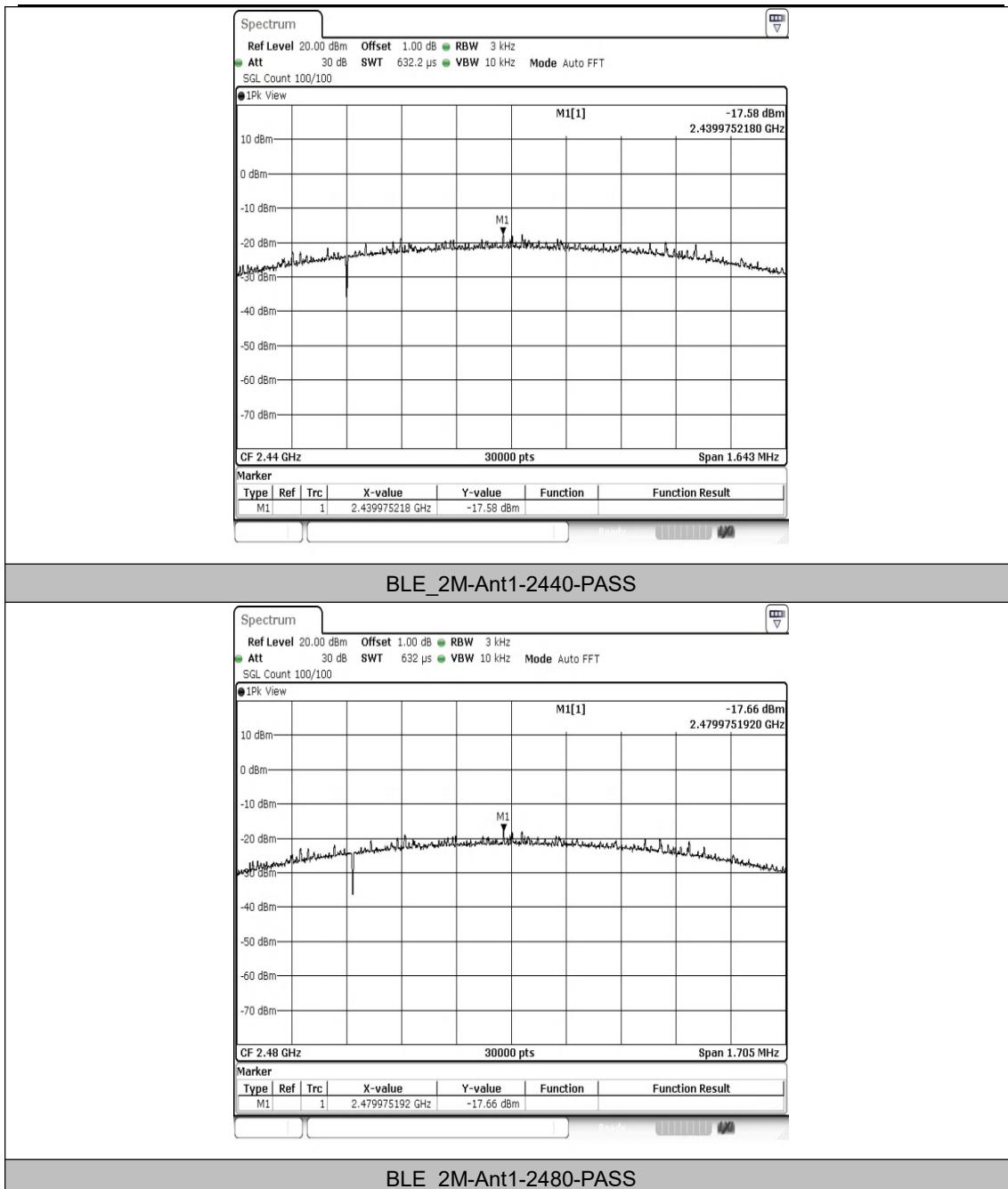
## Test Graphs



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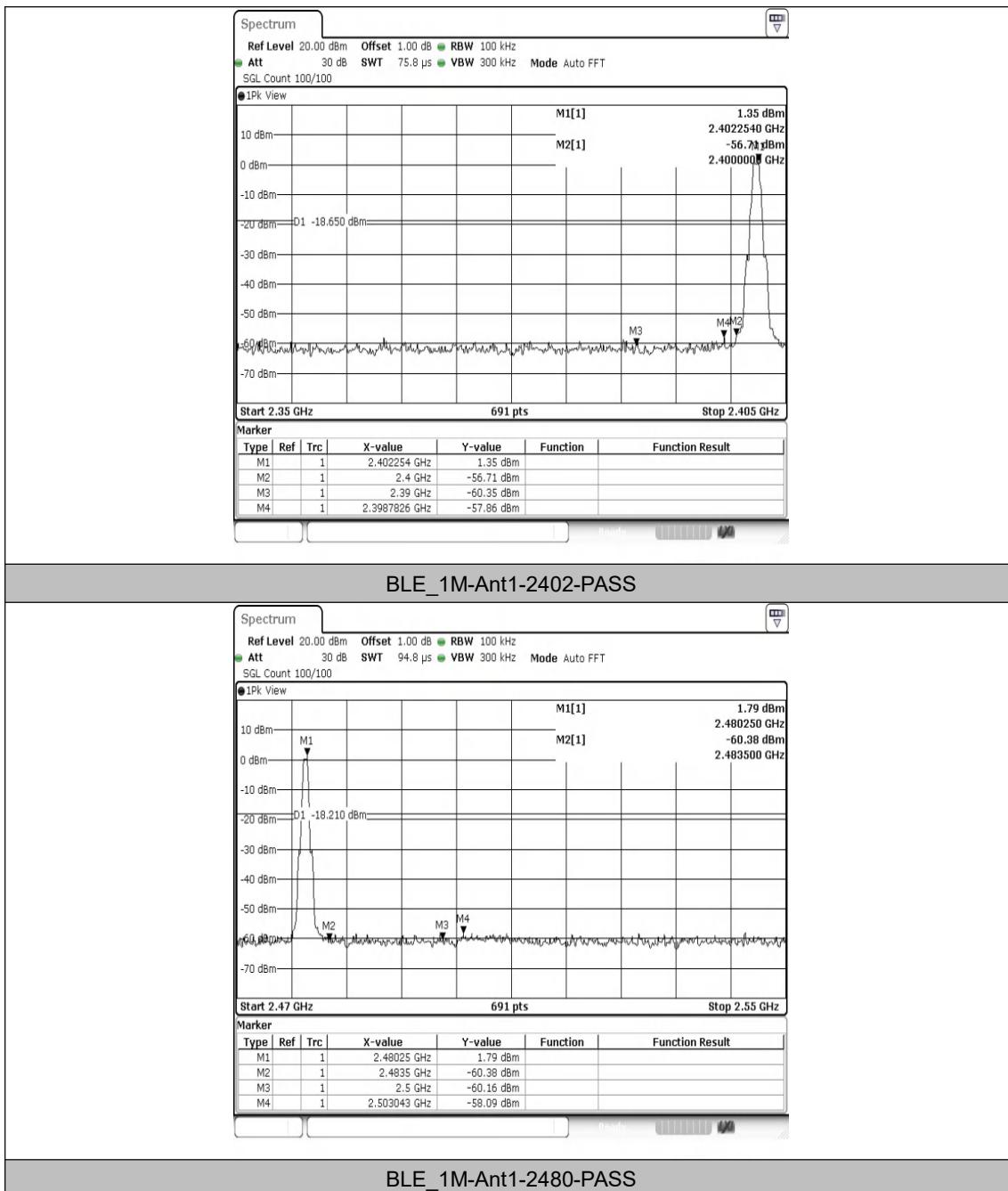
## Appendix E: Band edge measurements

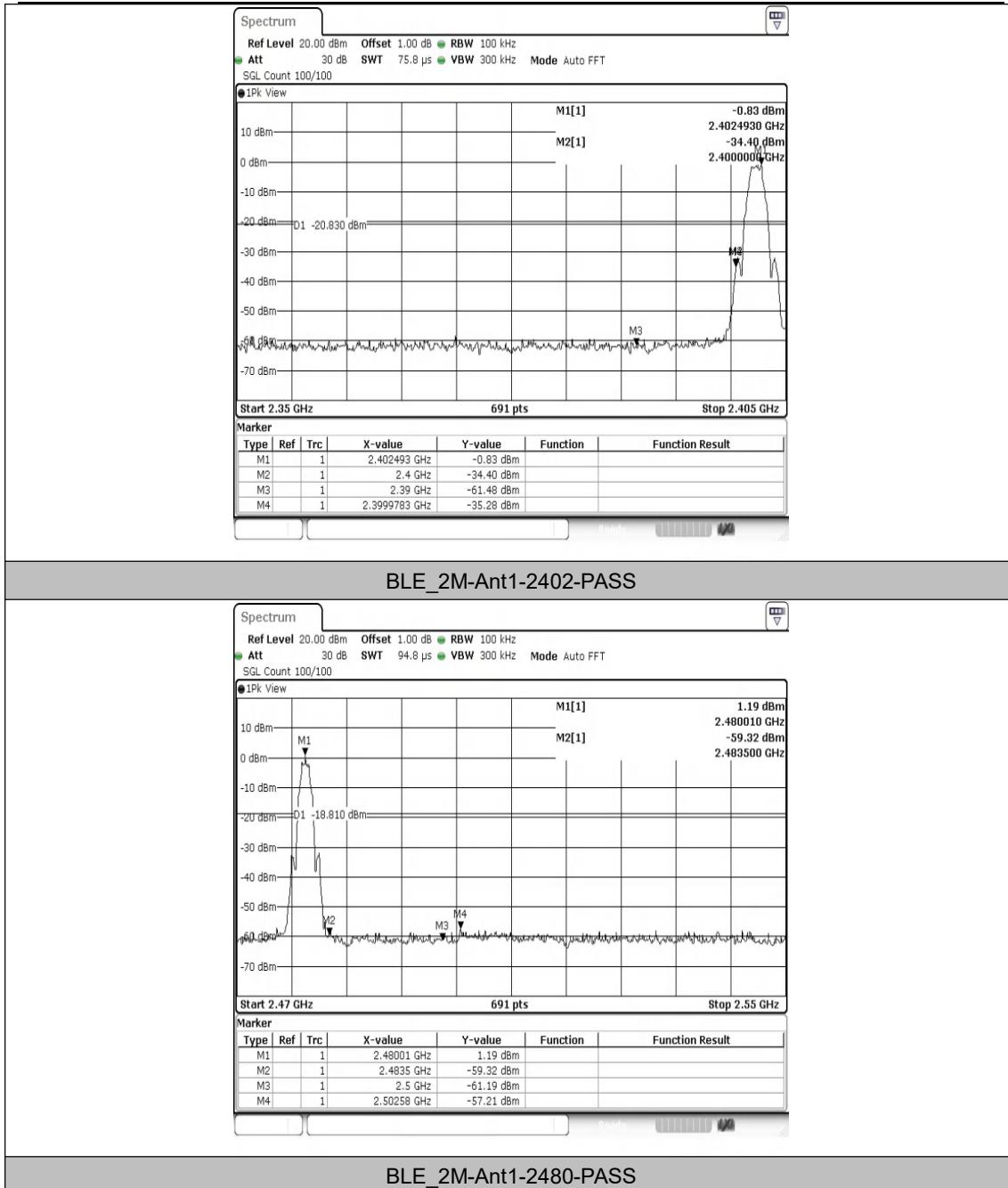
### Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.35	-57.86	≤-18.65	PASS
BLE_1M	Ant1	High	2480	1.79	-58.09	≤-18.21	PASS
BLE_2M	Ant1	Low	2402	-0.83	-35.28	≤-20.83	PASS
BLE_2M	Ant1	High	2480	1.19	-57.21	≤-18.81	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.

## Test Graphs





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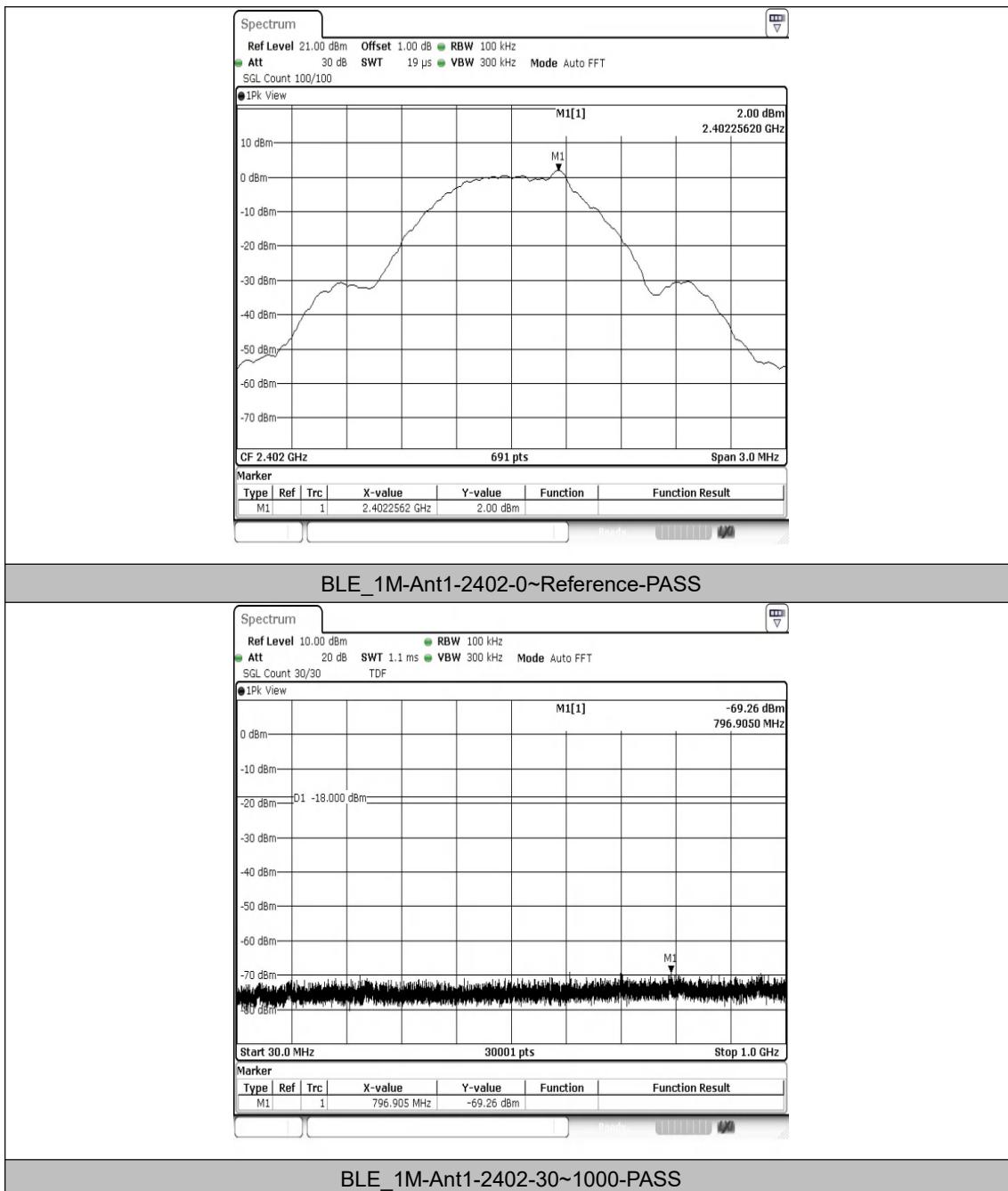
## Appendix F: Conducted Spurious Emission

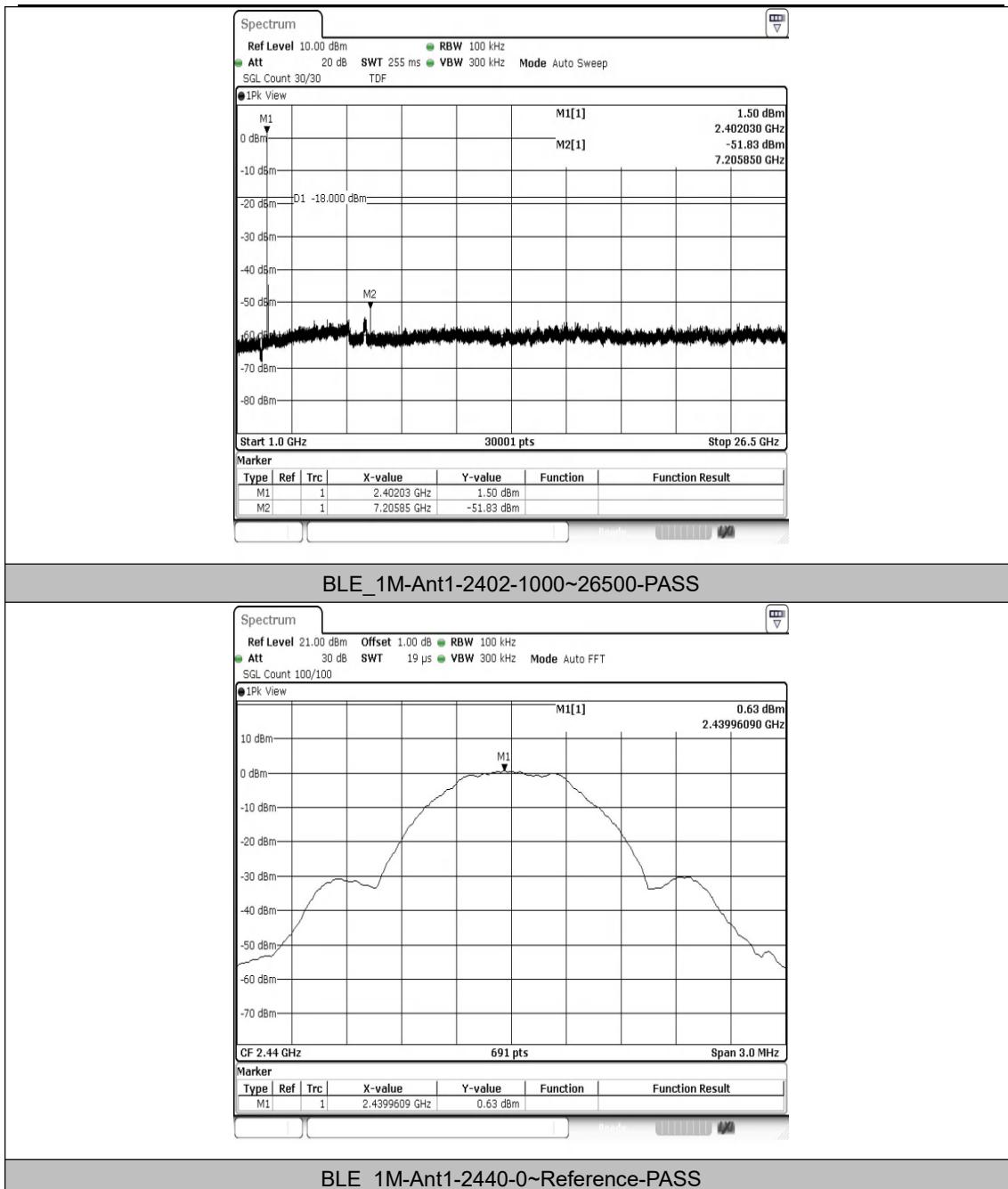
### Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	2.00	2.00	---	PASS
BLE_1M	Ant1	2402	30~1000	2.00	-69.26	≤-18	PASS
BLE_1M	Ant1	2402	1000~26500	2.00	-51.83	≤-18	PASS
BLE_1M	Ant1	2440	0~Reference	0.63	0.63	---	PASS
BLE_1M	Ant1	2440	30~1000	0.63	-68.49	≤-19.37	PASS
BLE_1M	Ant1	2440	1000~26500	0.63	-53.58	≤-19.37	PASS
BLE_1M	Ant1	2480	0~Reference	1.07	1.07	---	PASS
BLE_1M	Ant1	2480	30~1000	1.07	-67.84	≤-18.93	PASS
BLE_1M	Ant1	2480	1000~26500	1.07	-53.2	≤-18.93	PASS
BLE_2M	Ant1	2402	0~Reference	0.94	0.94	---	PASS
BLE_2M	Ant1	2402	30~1000	0.94	-69.13	≤-19.06	PASS
BLE_2M	Ant1	2402	1000~26500	0.94	-51.83	≤-19.06	PASS
BLE_2M	Ant1	2440	0~Reference	-1.28	-1.28	---	PASS
BLE_2M	Ant1	2440	30~1000	-1.28	-68.23	≤-21.28	PASS
BLE_2M	Ant1	2440	1000~26500	-1.28	-52.09	≤-21.28	PASS
BLE_2M	Ant1	2480	0~Reference	-1.45	-1.45	---	PASS
BLE_2M	Ant1	2480	30~1000	-1.45	-68.9	≤-21.45	PASS
BLE_2M	Ant1	2480	1000~26500	-1.45	-54.25	≤-21.45	PASS

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

## Test Graphs

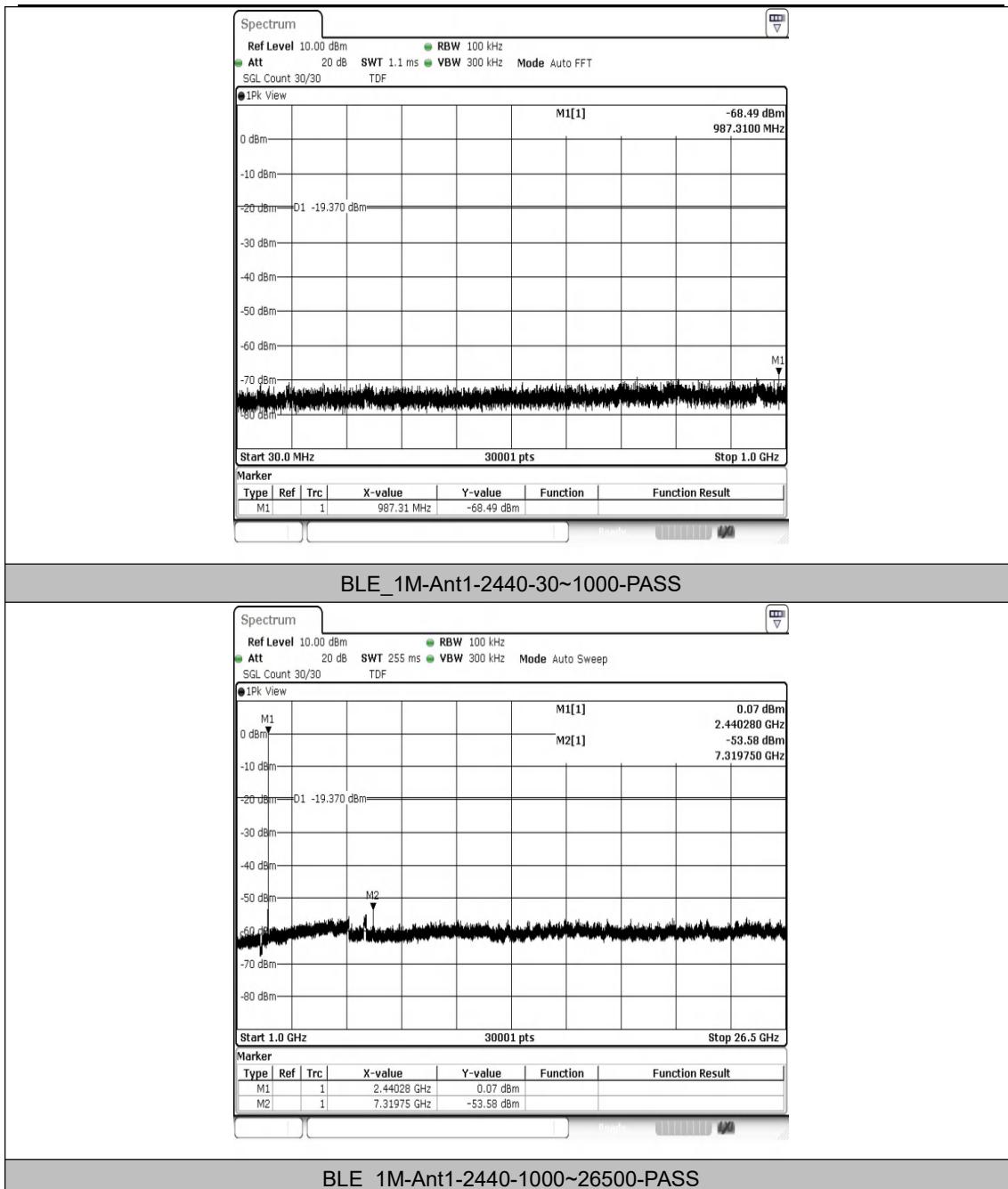




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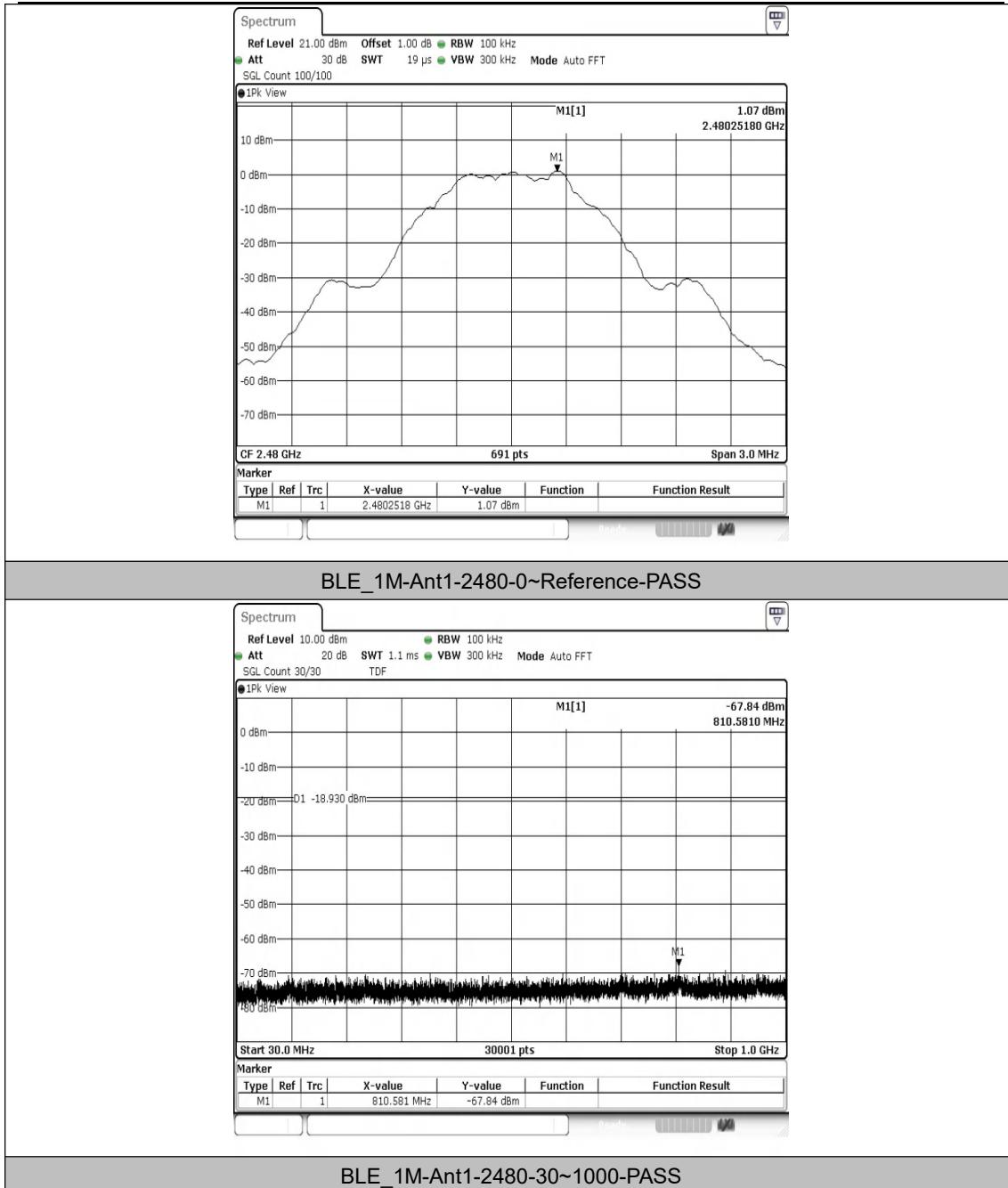
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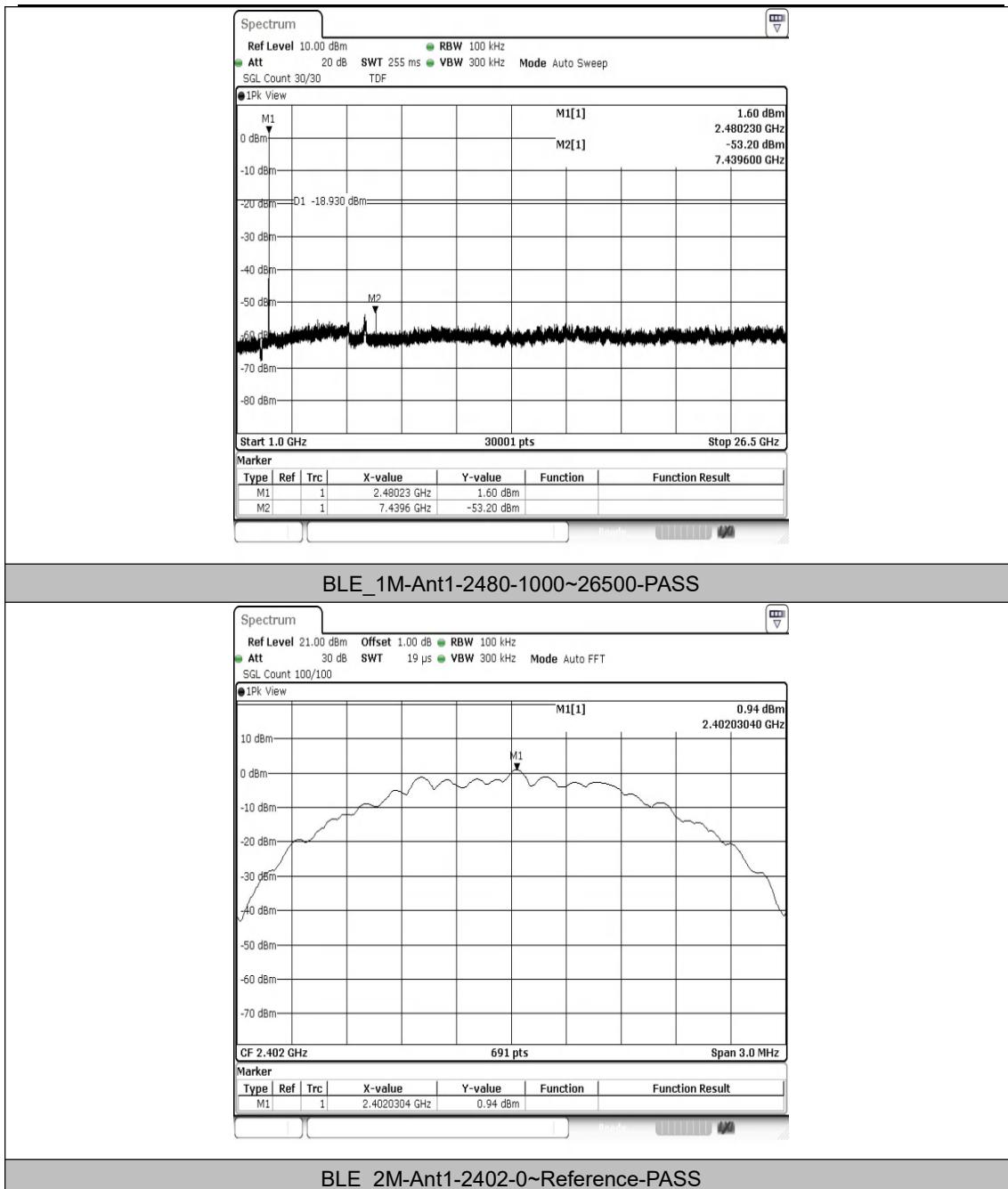
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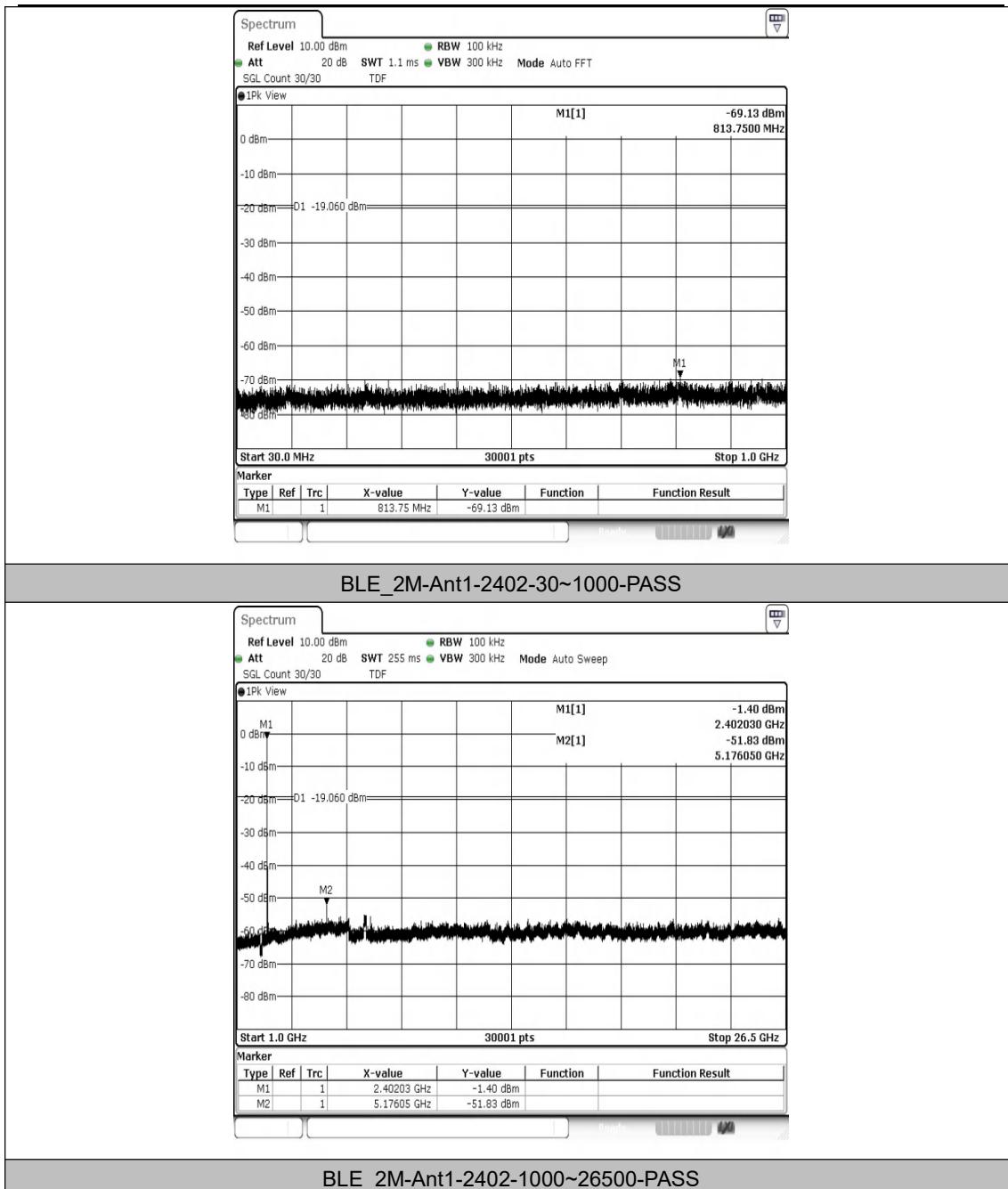
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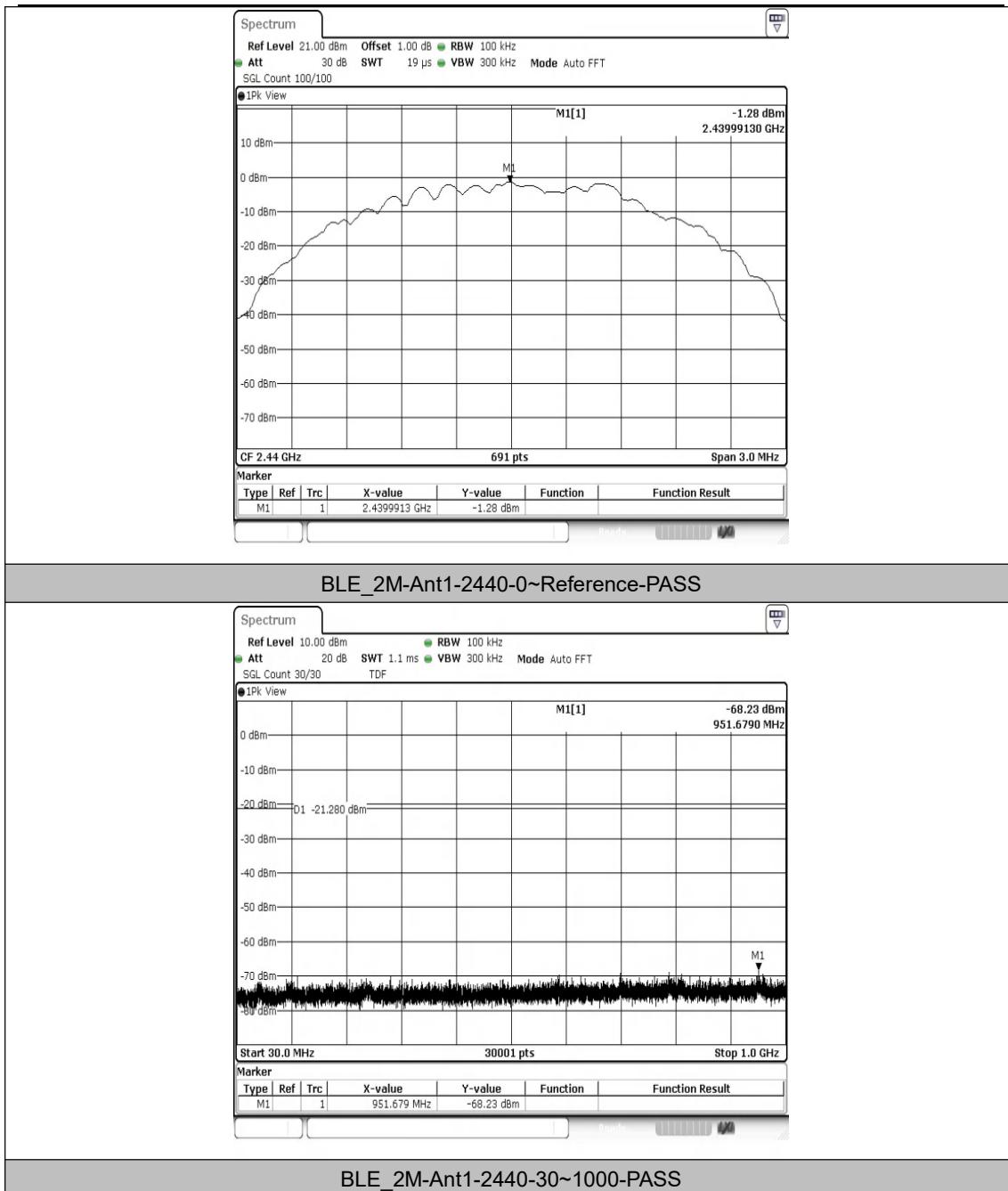
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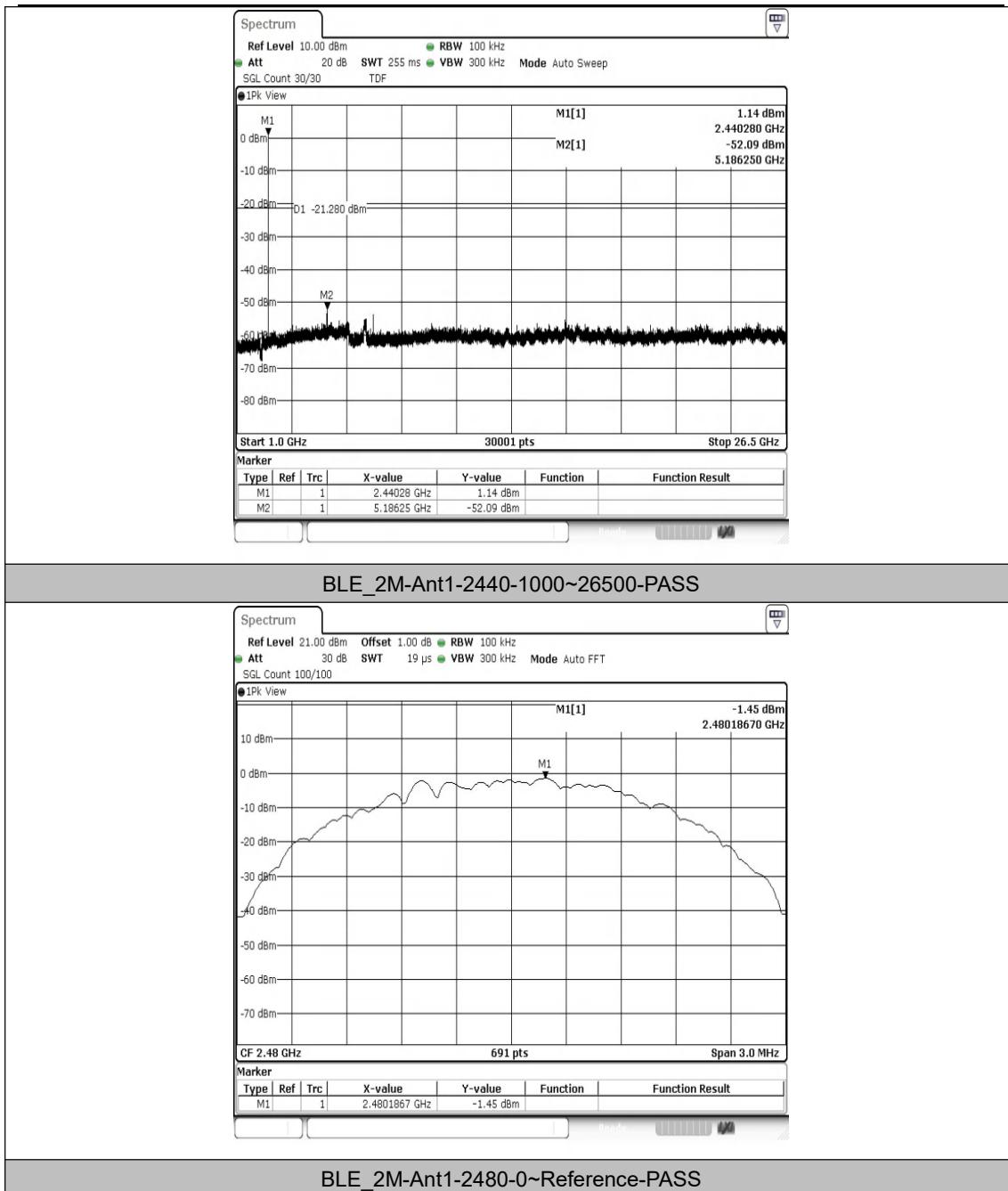
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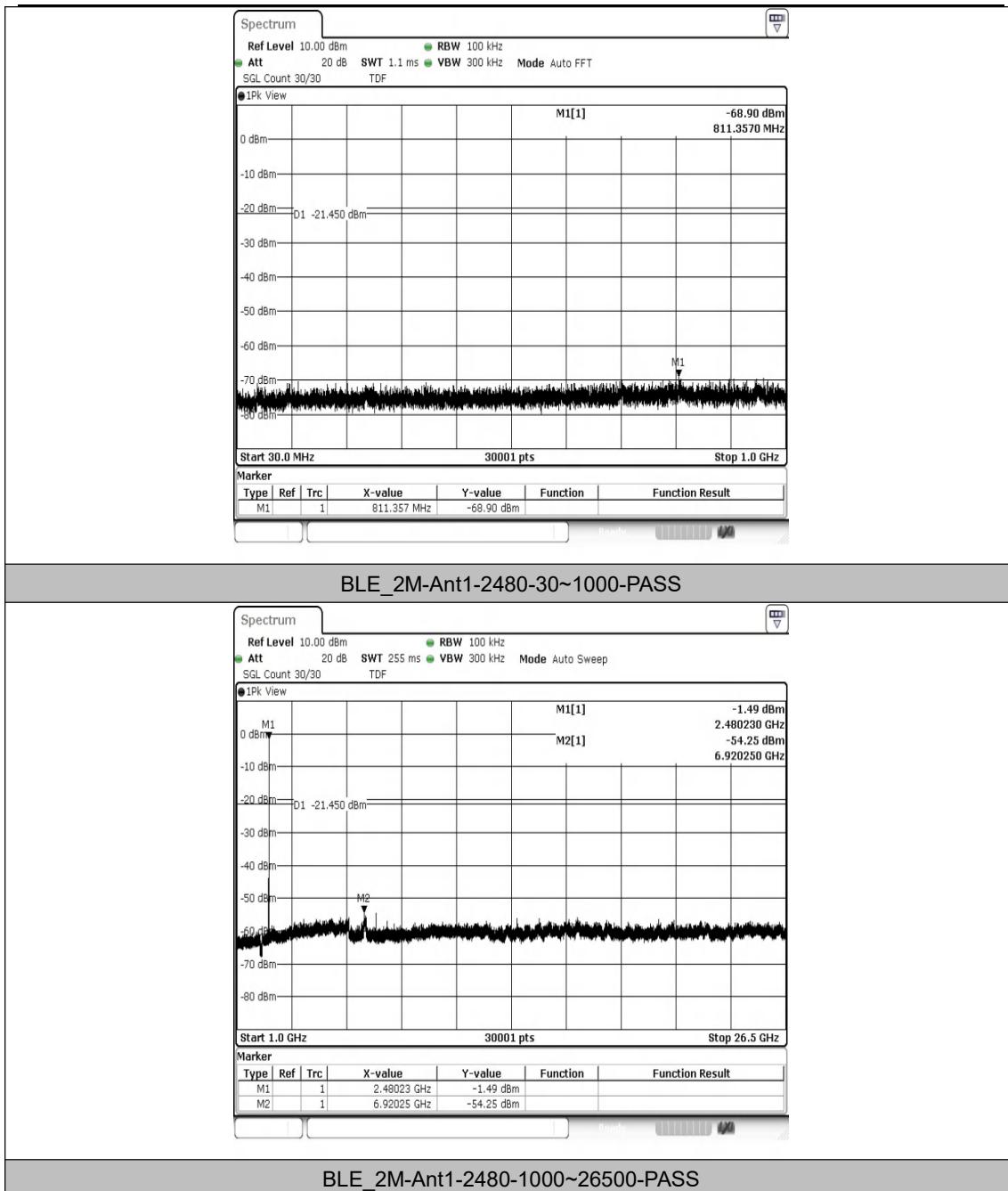
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## Appendix G: Duty Cycle

### Test Result

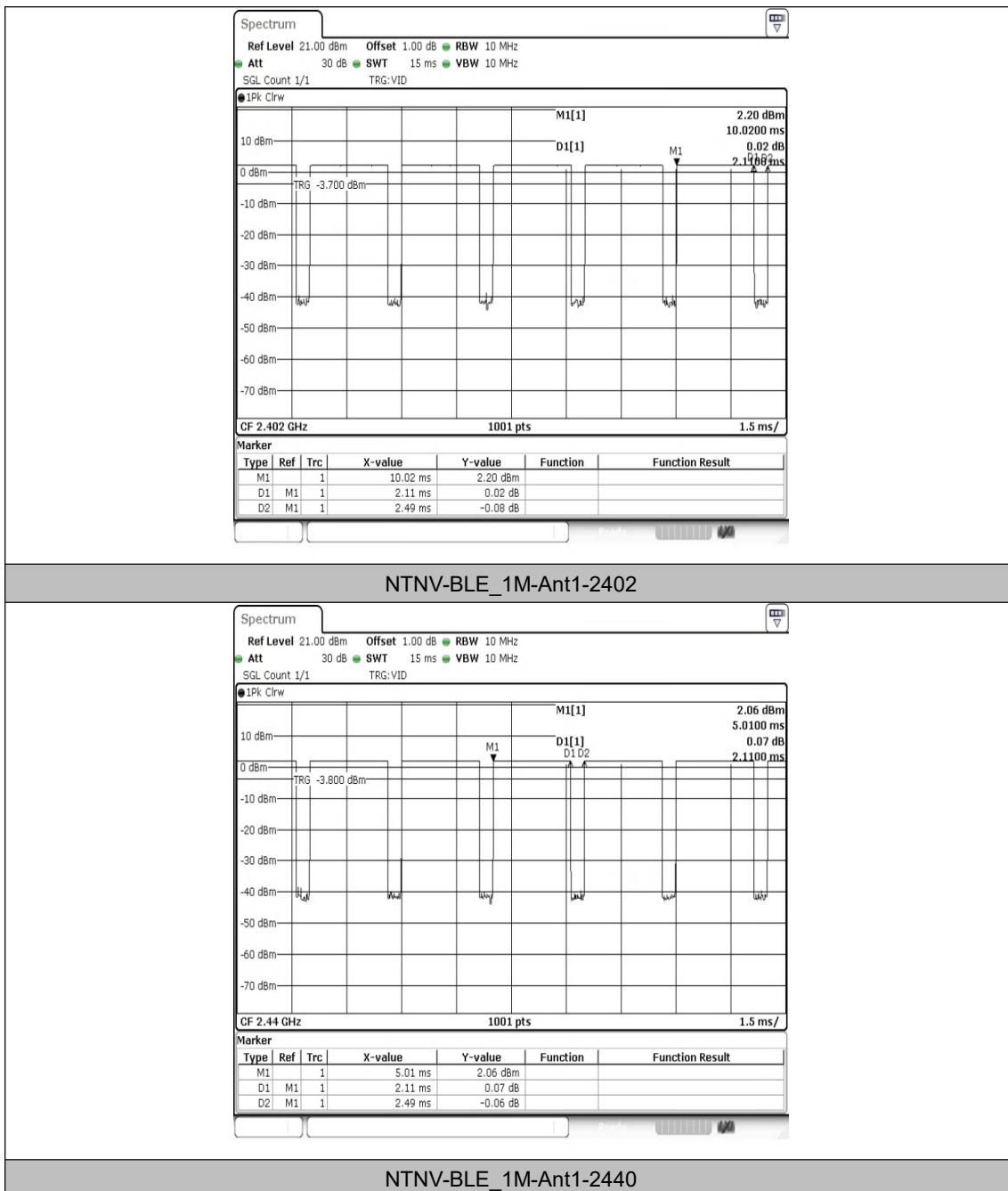
Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.11	2.49	84.74	0.72
BLE_1M	Ant1	2440	2.11	2.49	84.74	0.72
BLE_1M	Ant1	2480	2.13	2.51	84.86	0.71
BLE_2M	Ant1	2402	1.07	1.88	56.91	2.45
BLE_2M	Ant1	2440	1.06	1.87	56.68	2.47
BLE_2M	Ant1	2480	1.06	1.87	56.68	2.47

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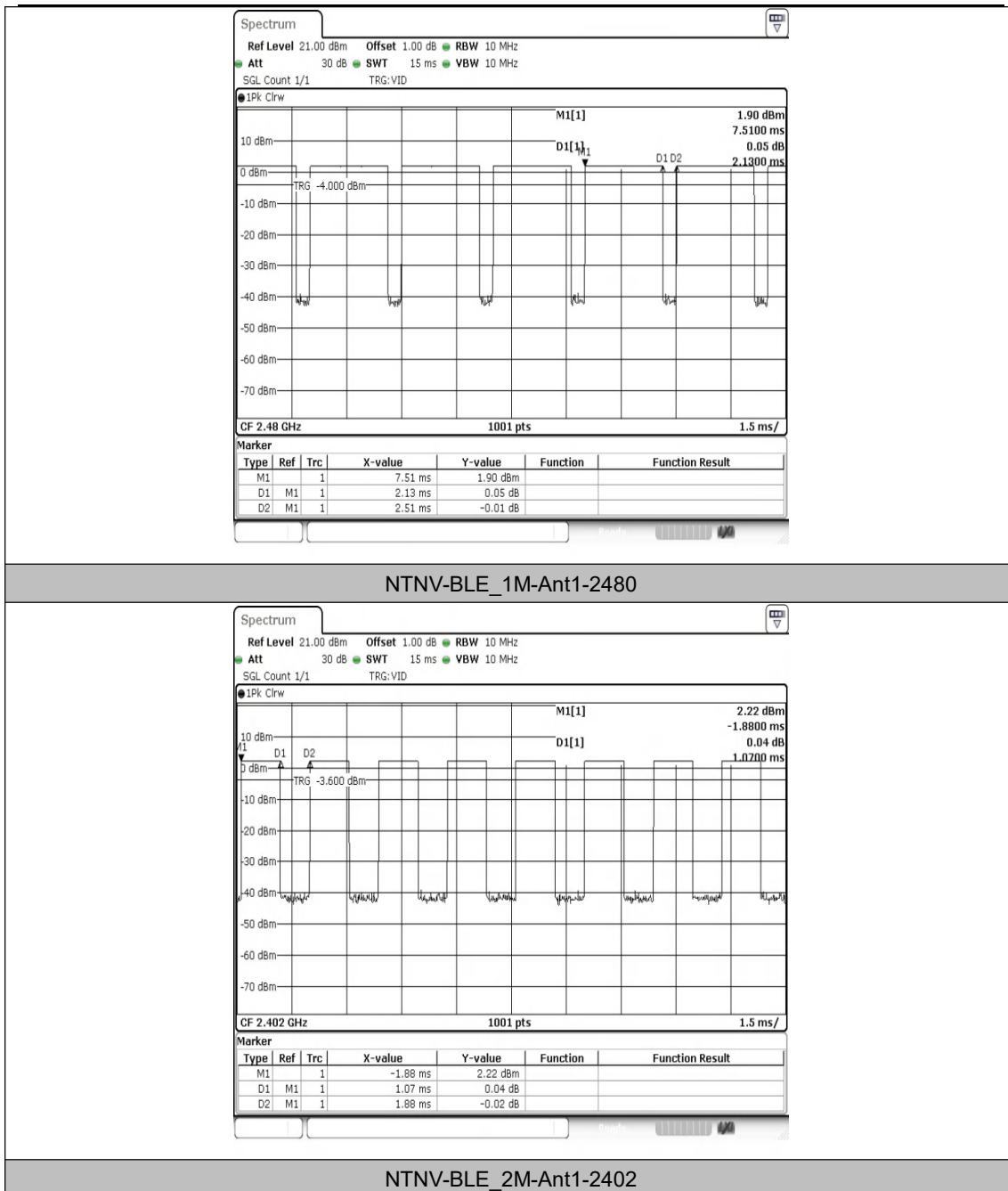
## Test Graphs



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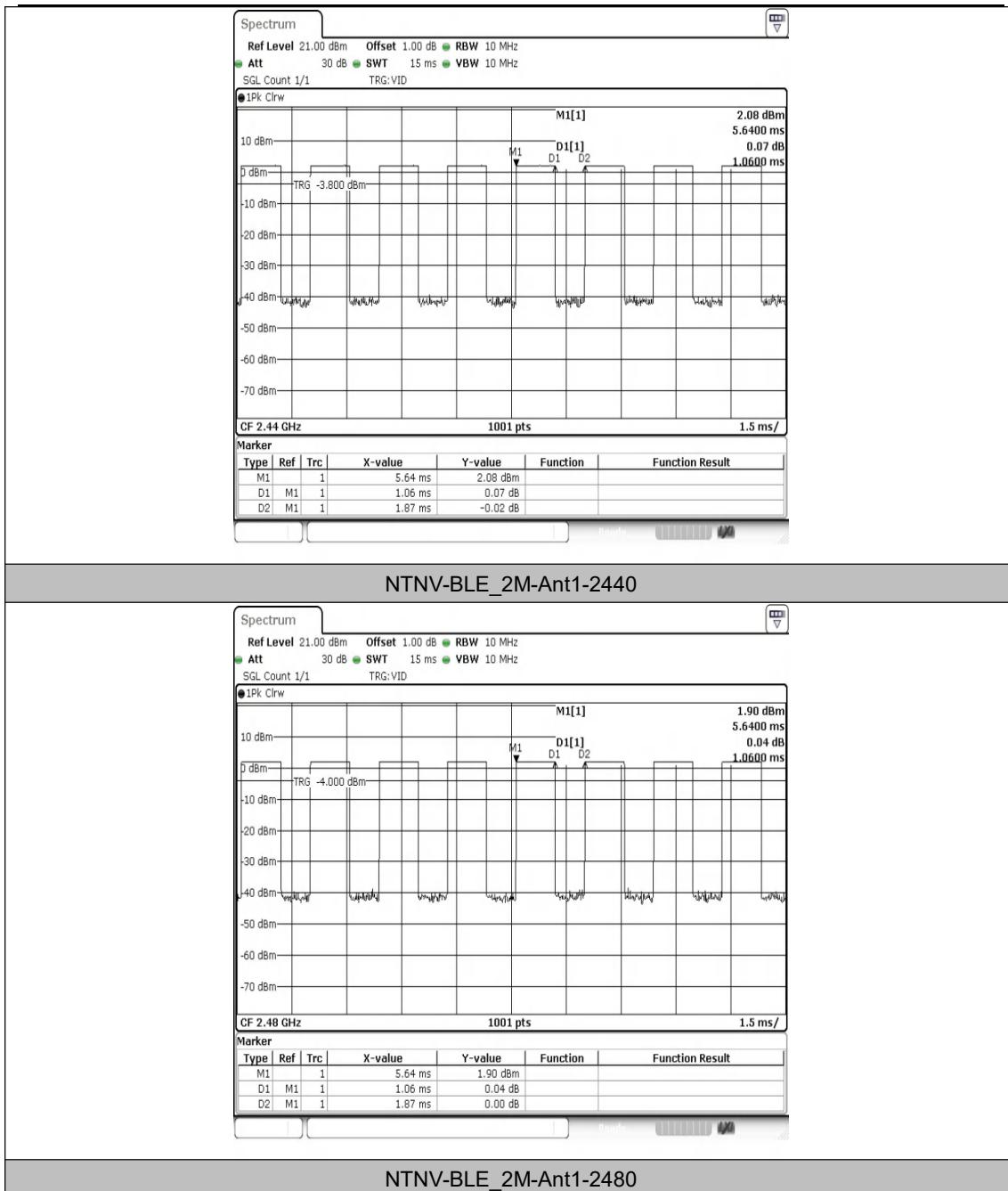
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