

Appendix Test Data

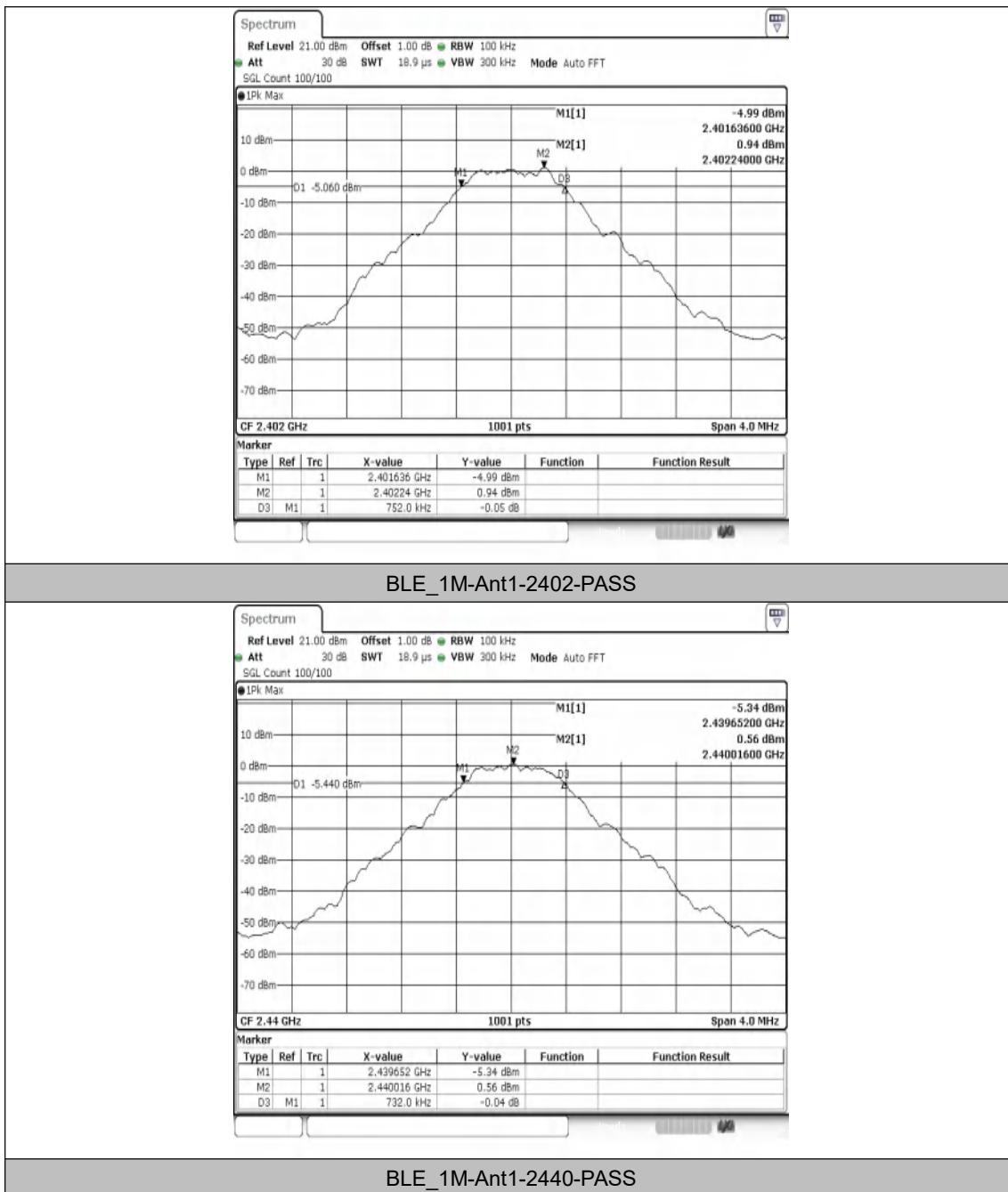
Report No.:	1812C50322812502	Test Sample No.:	1-2-2
Start Test Date:	2025-6-30	Finish Test Date:	2025-7-8
Test Engineer:	Huisen Guan	Auditor:	Justin Feng
Temperature:	27.0°C	Relative Humidity:	47%
Pressure:	101kPa		

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	0.75	2401.64	2402.39	0.5	PASS
BLE_1M	Ant1	2440	0.73	2439.65	2440.38	0.5	PASS
BLE_1M	Ant1	2480	0.72	2479.65	2480.37	0.5	PASS
BLE_2M	Ant1	2402	1.25	2401.34	2402.58	0.5	PASS
BLE_2M	Ant1	2440	1.29	2439.31	2440.60	0.5	PASS
BLE_2M	Ant1	2480	1.26	2479.43	2480.69	0.5	PASS

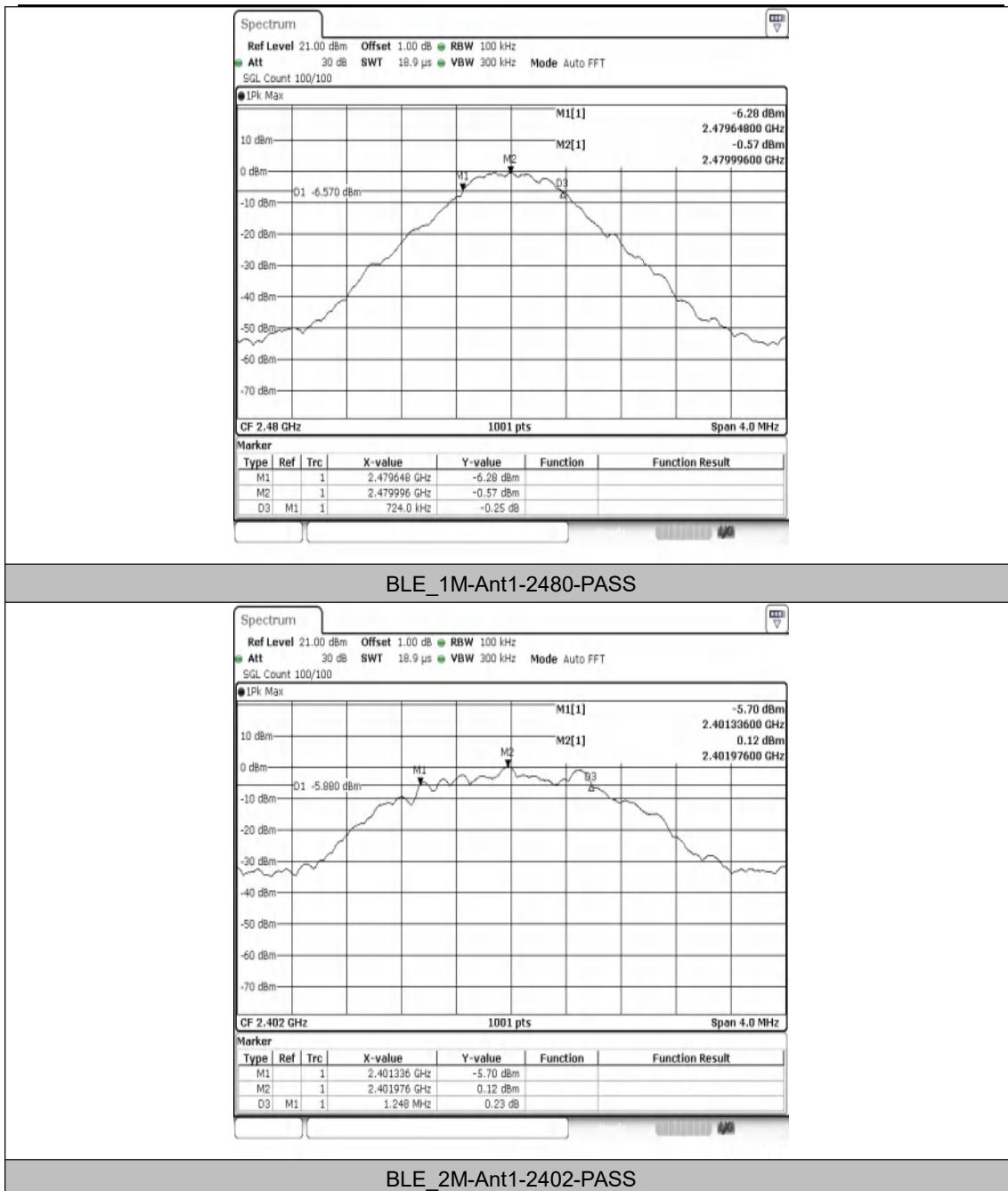
Test Graphs



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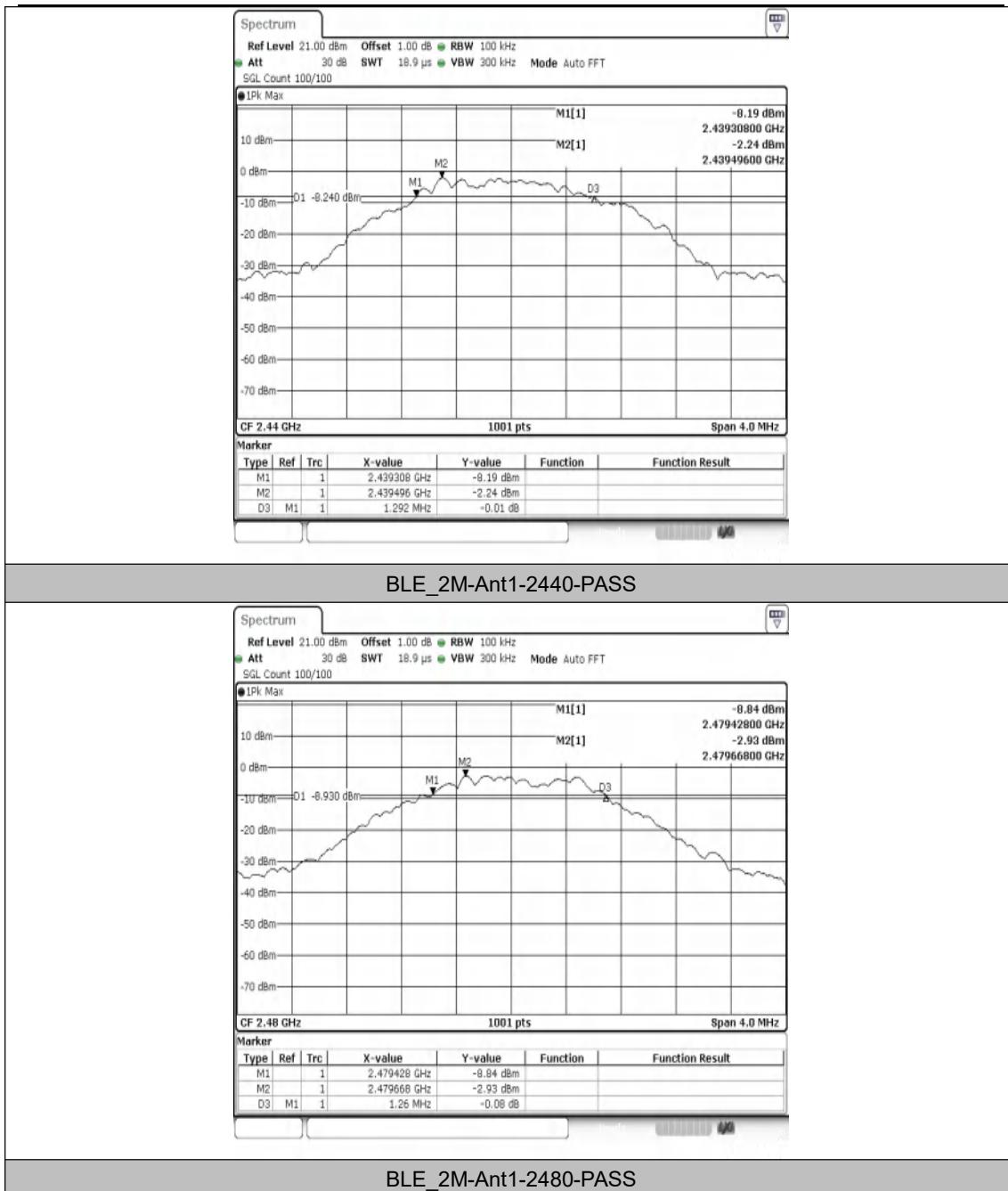
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Appendix B: 99% Occupied Bandwidth

Test Result

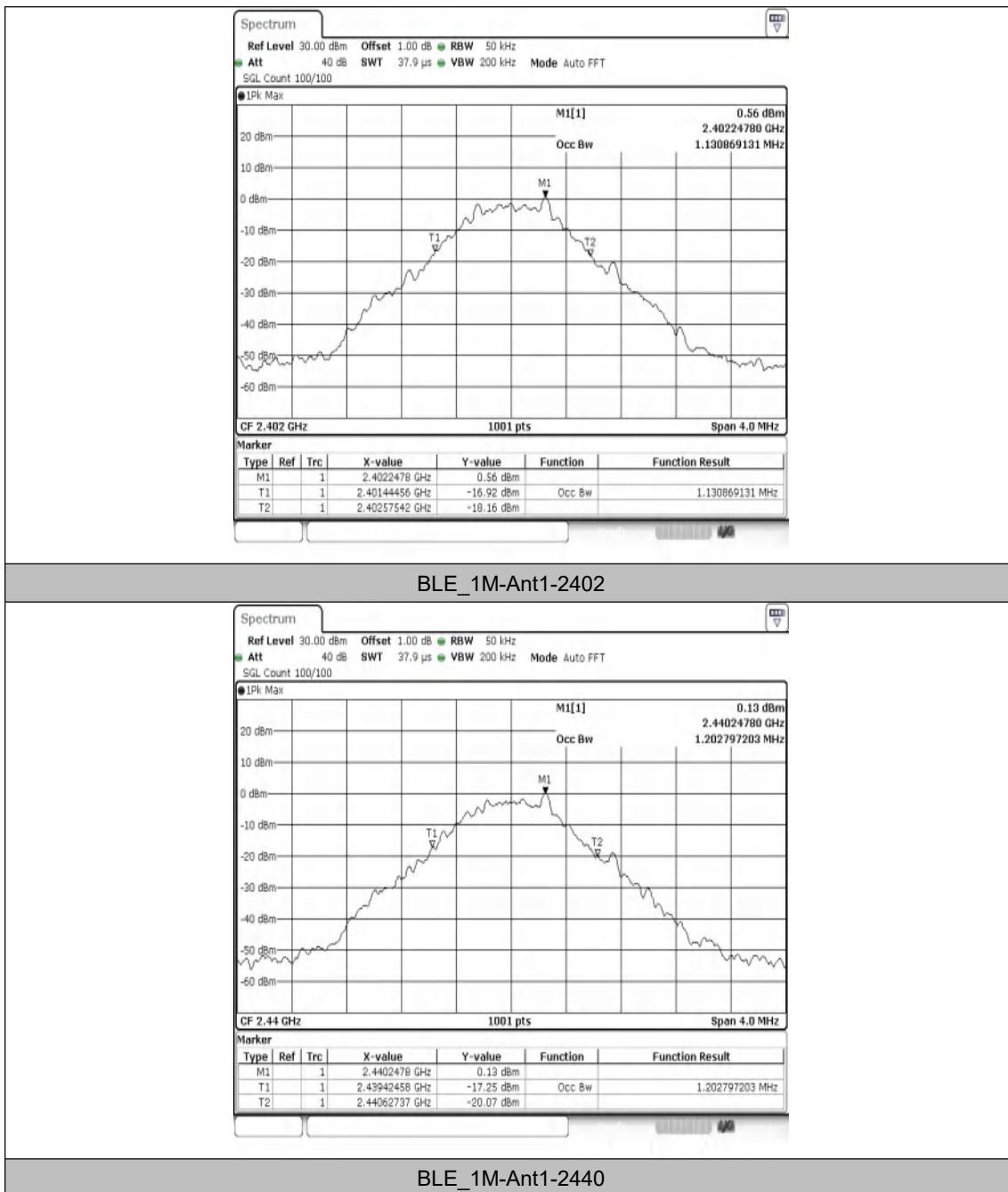
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.1309	2401.4446	2402.5754	---	---
BLE_1M	Ant1	2440	1.2028	2439.4246	2440.6274	---	---
BLE_1M	Ant1	2480	1.2348	2479.3726	2480.6074	---	---
BLE_2M	Ant1	2402	2.0699	2400.9690	2403.0390	---	---
BLE_2M	Ant1	2440	2.0699	2438.9730	2441.0430	---	---
BLE_2M	Ant1	2480	2.1099	2478.9530	2481.0629	---	---

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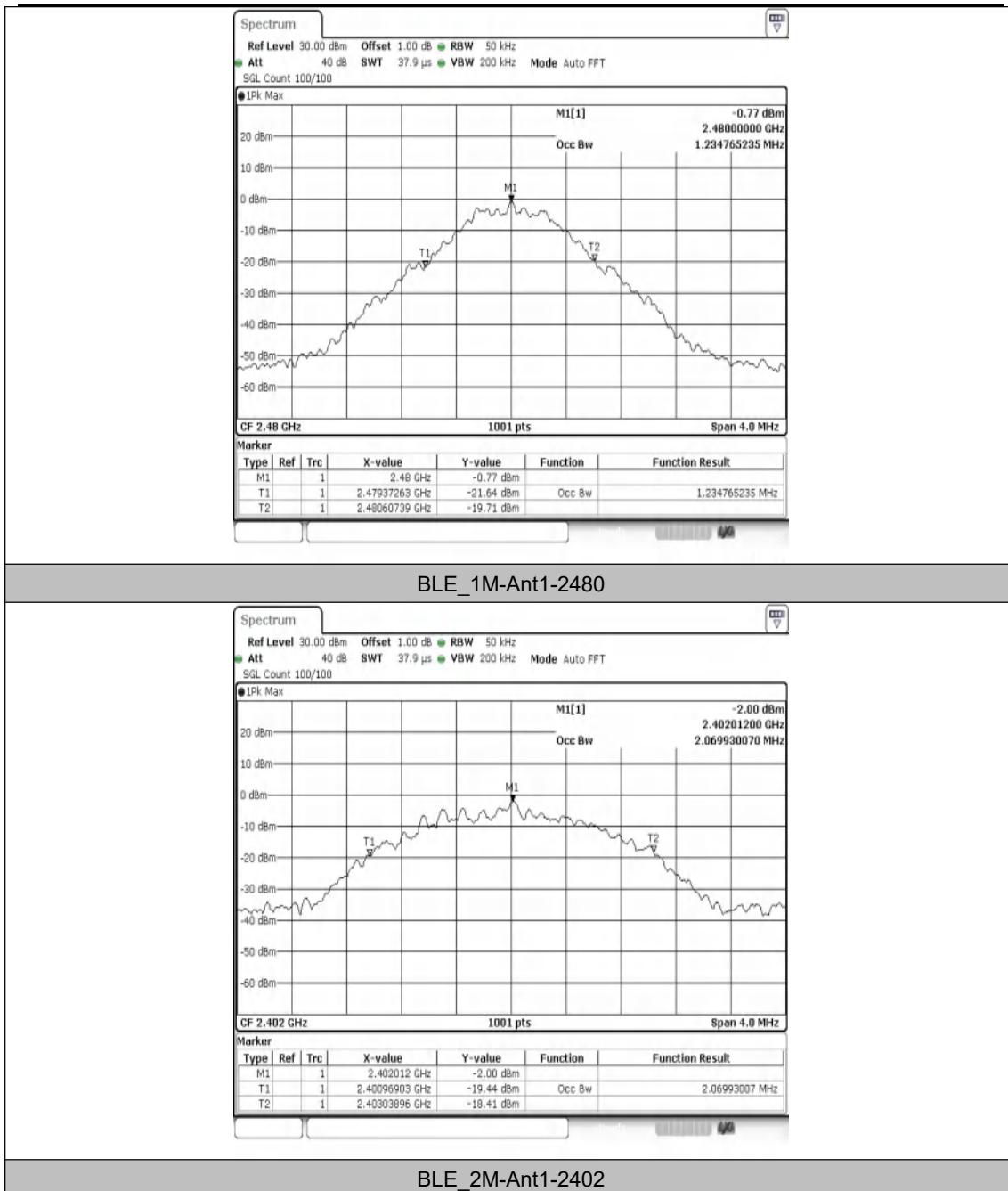
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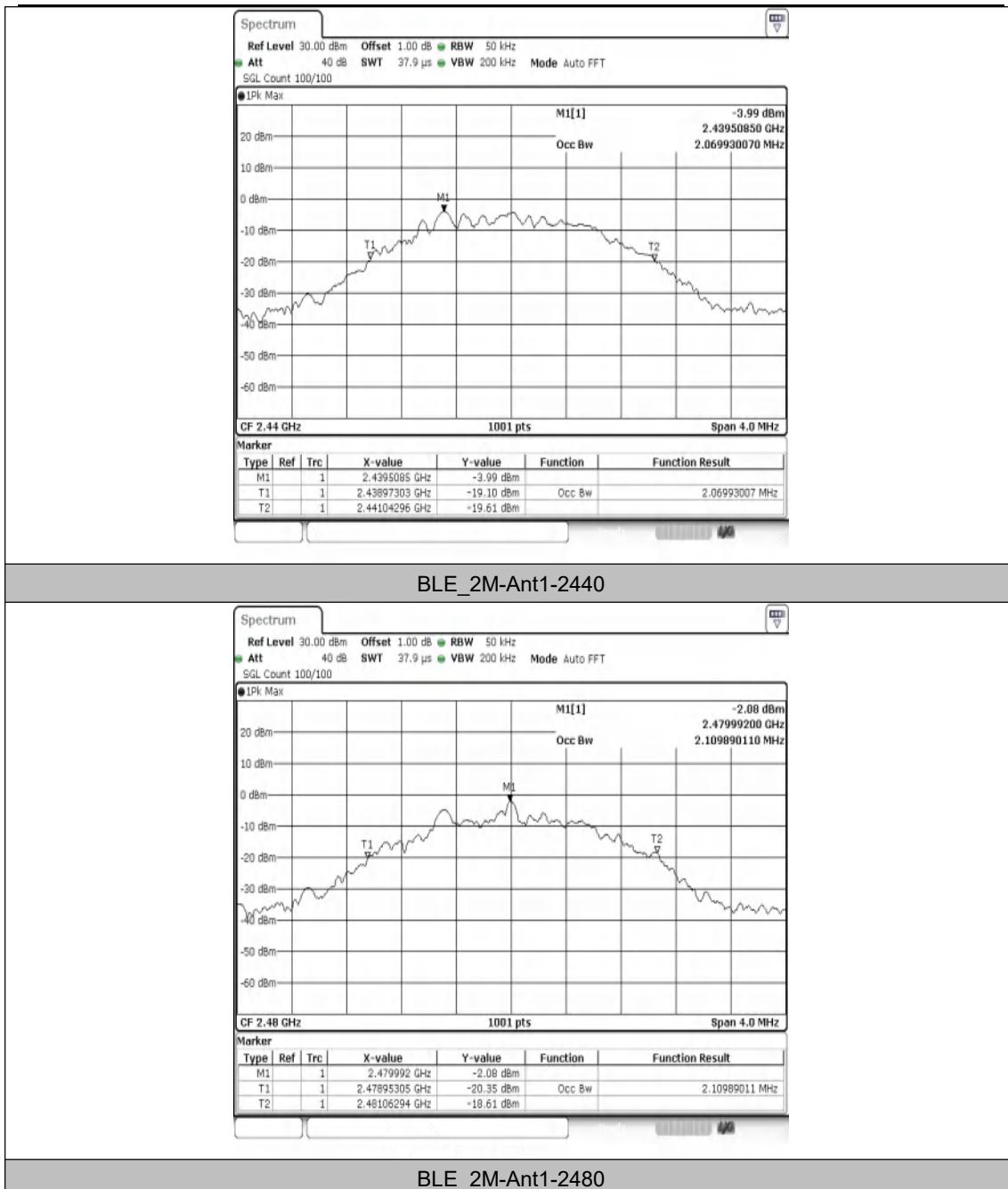
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Appendix C: Maximum conducted output power

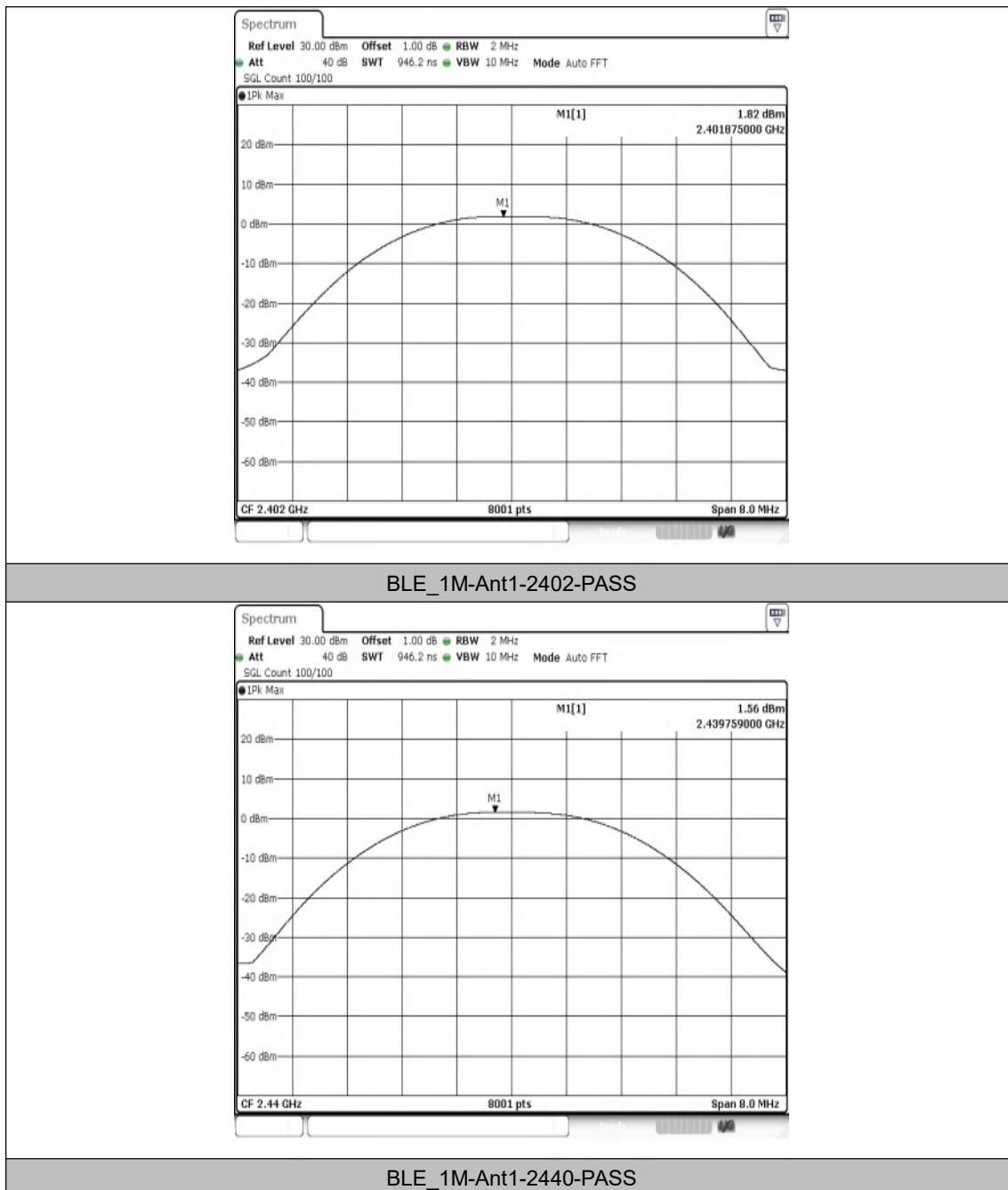
Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
BLE_1M	Ant1	2402	1.82	≤30	PASS
BLE_1M	Ant1	2440	1.56	≤30	PASS
BLE_1M	Ant1	2480	0.79	≤30	PASS
BLE_2M	Ant1	2402	1.88	≤30	PASS
BLE_2M	Ant1	2440	1.53	≤30	PASS
BLE_2M	Ant1	2480	0.82	≤30	PASS

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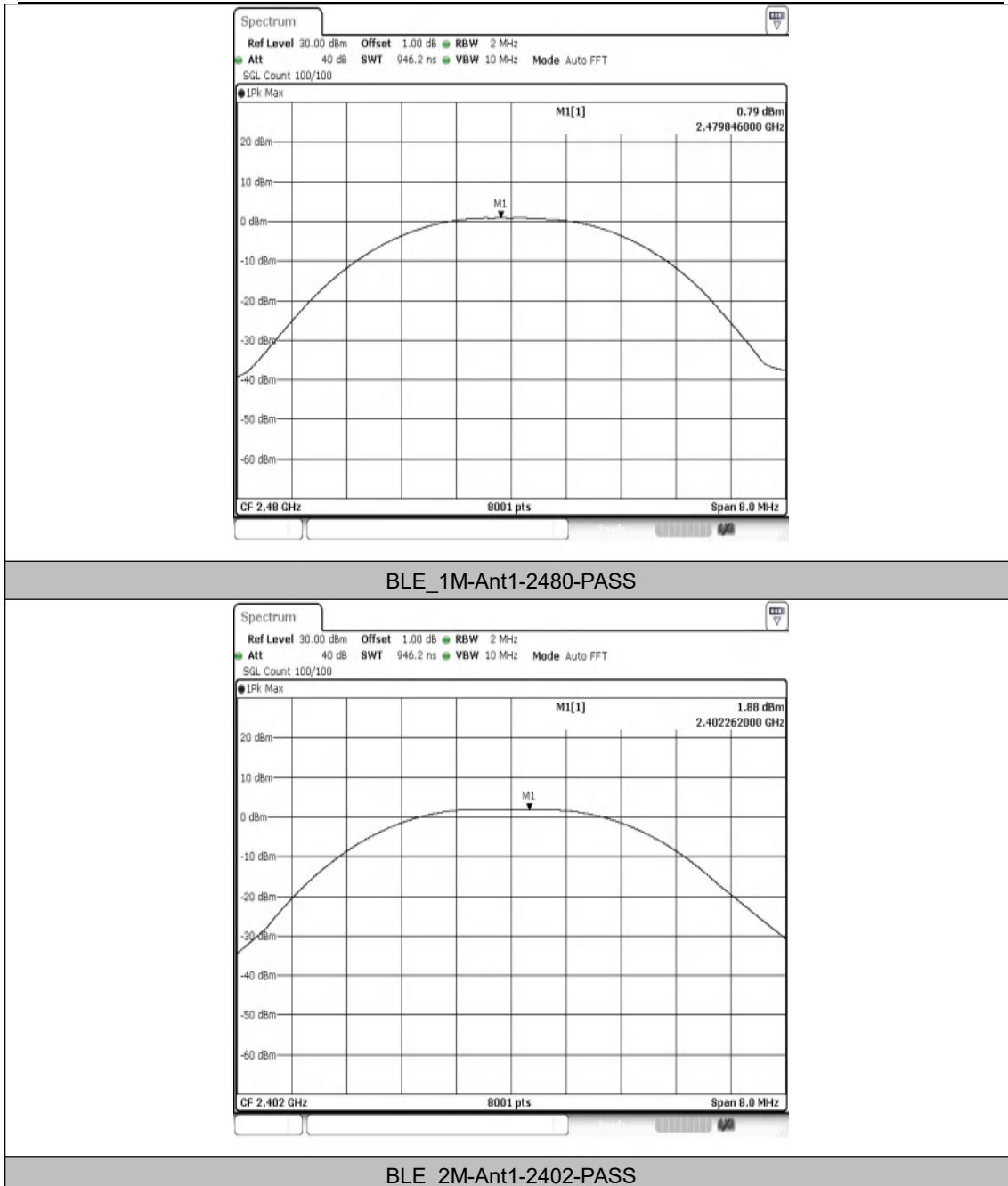
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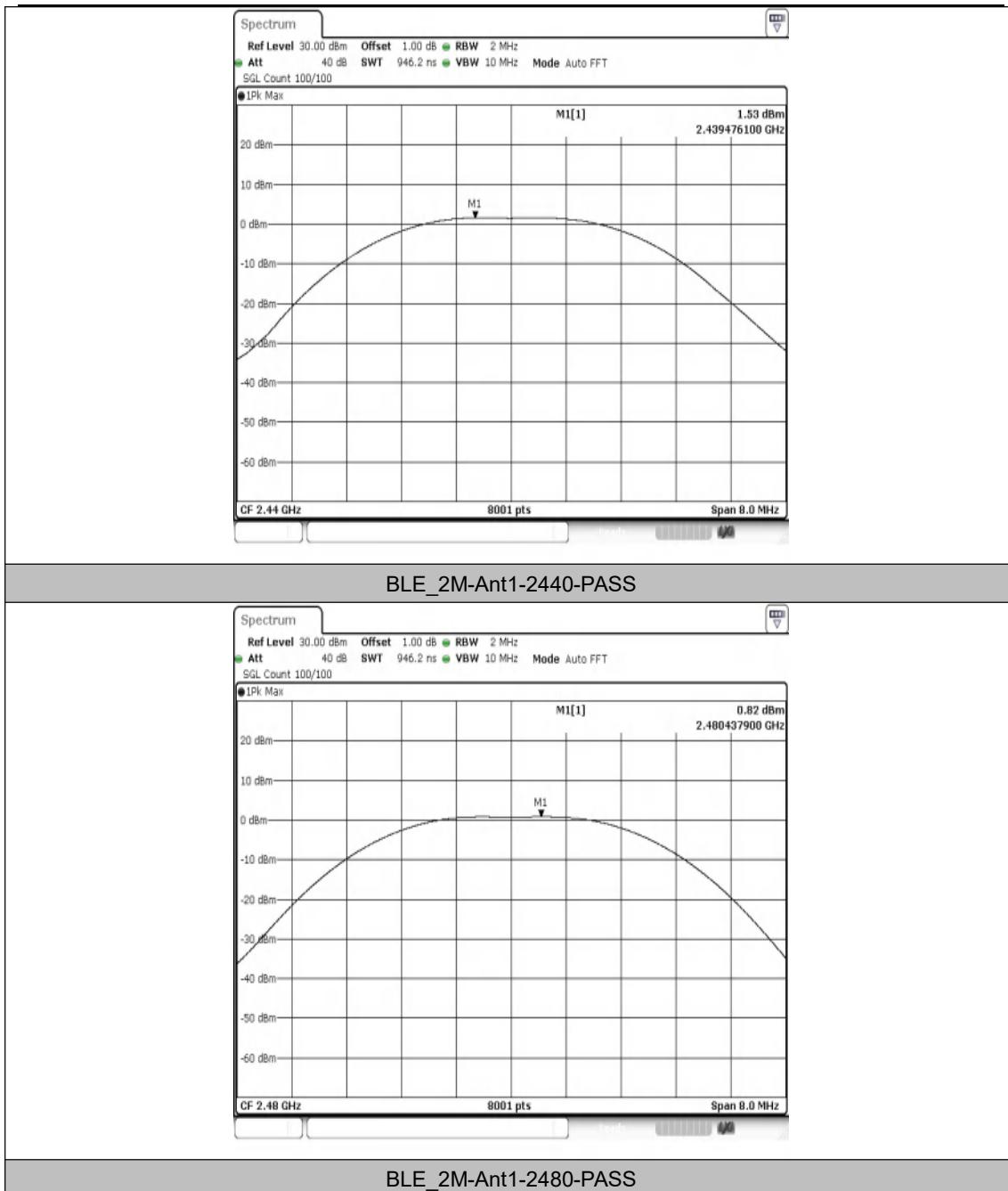
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Appendix D: Maximum power spectral density

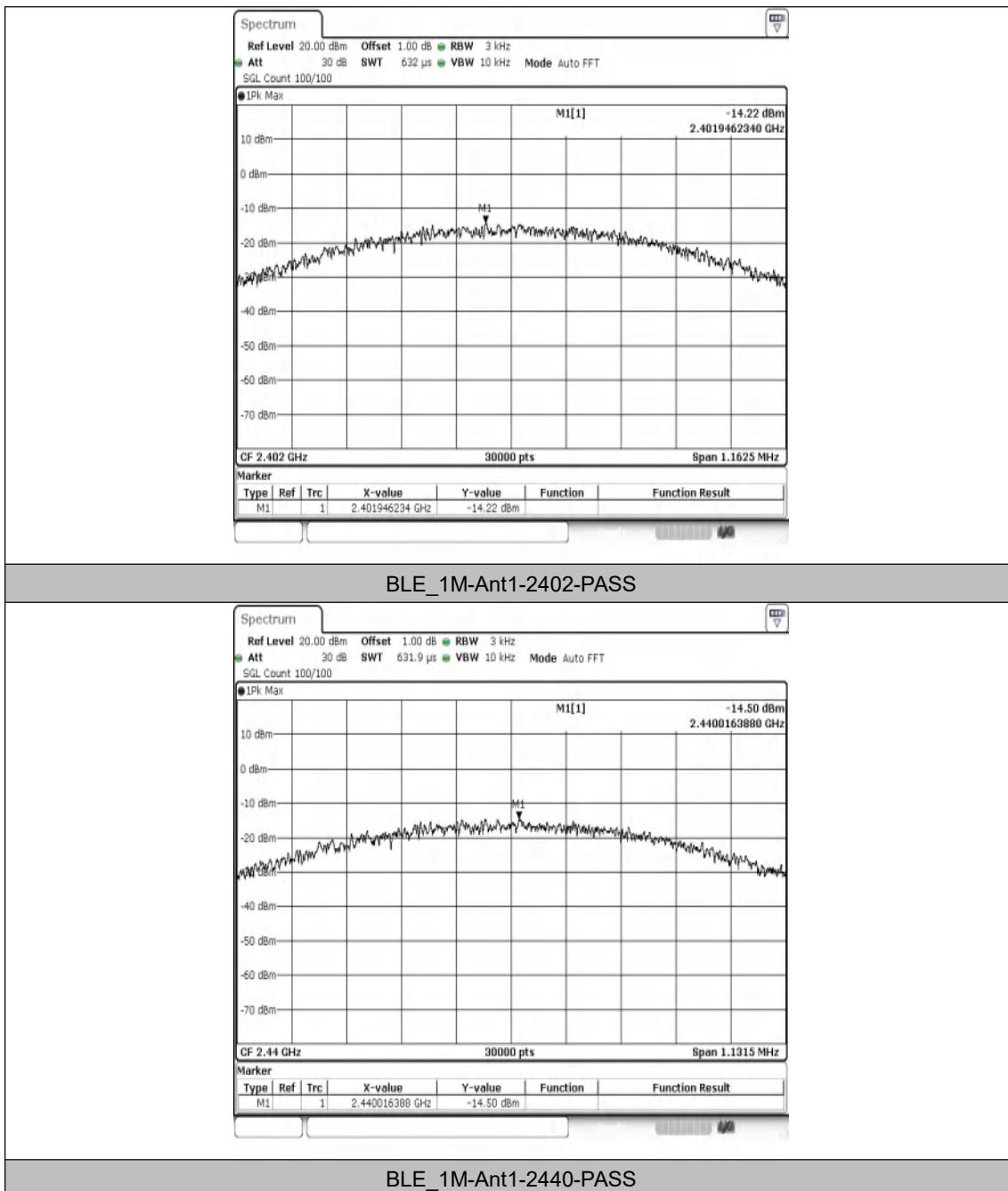
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.22	≤8.00	PASS
BLE_1M	Ant1	2440	-14.50	≤8.00	PASS
BLE_1M	Ant1	2480	-15.59	≤8.00	PASS
BLE_2M	Ant1	2402	-17.53	≤8.00	PASS
BLE_2M	Ant1	2440	-17.37	≤8.00	PASS
BLE_2M	Ant1	2480	-17.94	≤8.00	PASS

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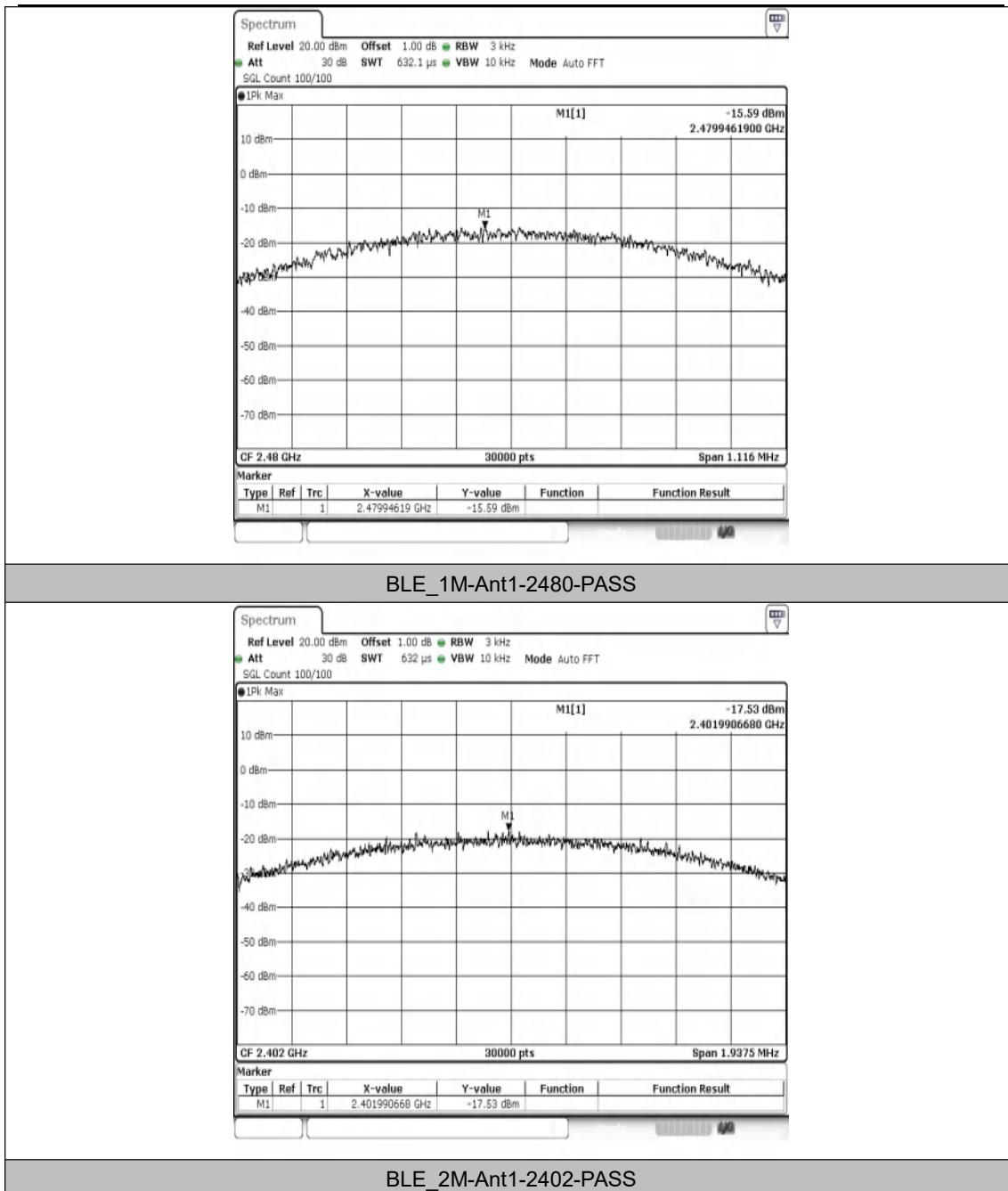
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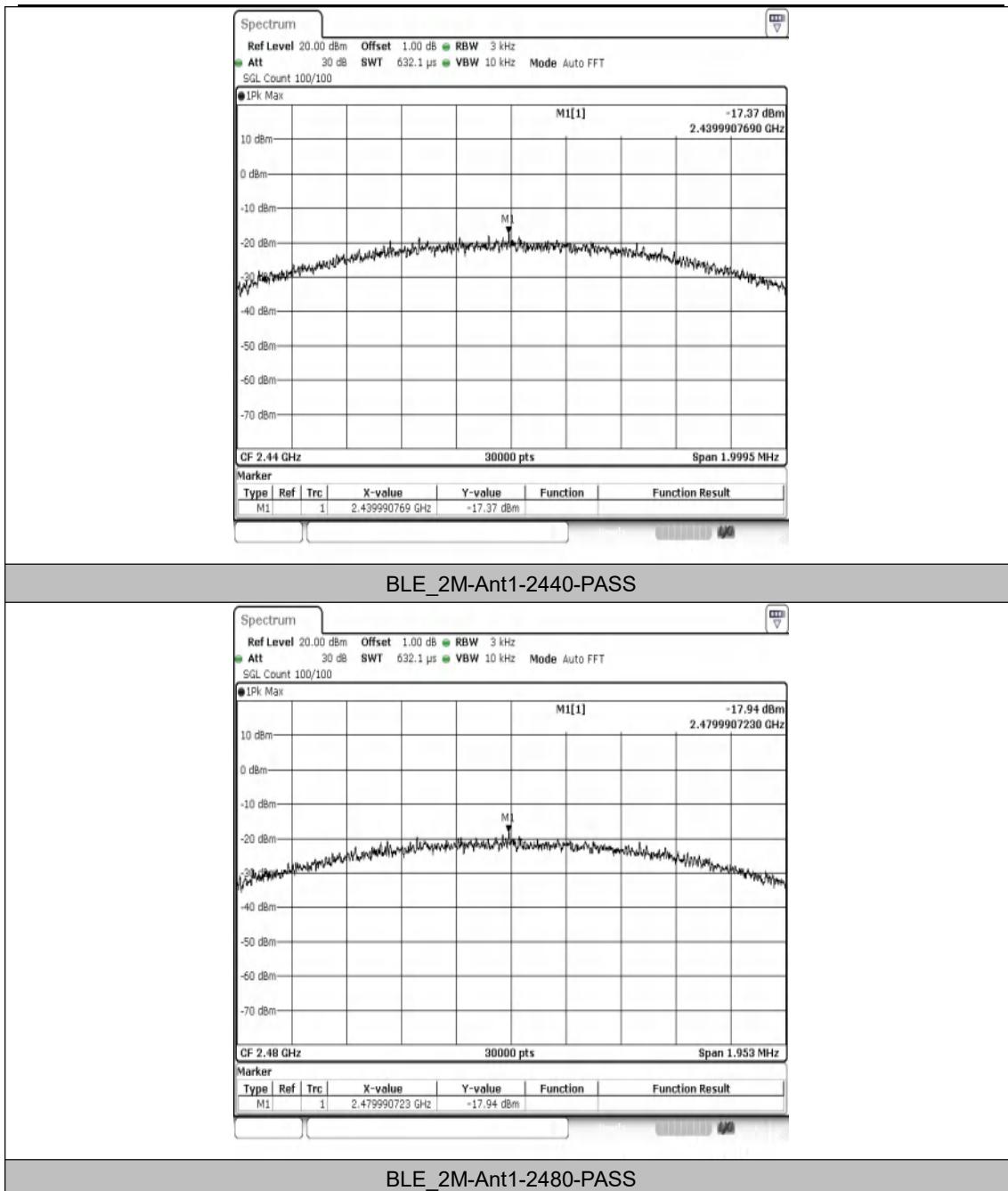
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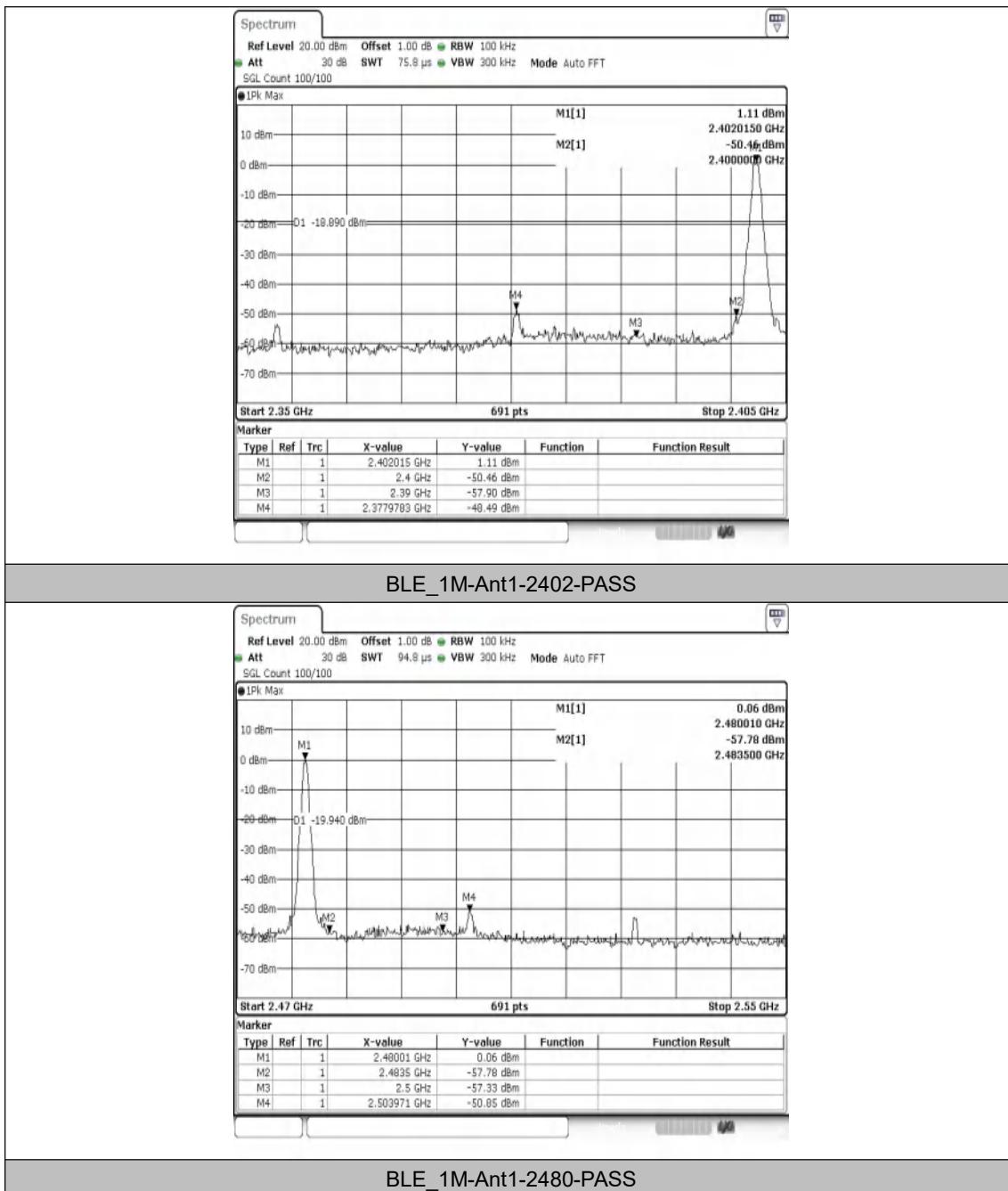
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.11	-48.49	≤-18.89	PASS
BLE_1M	Ant1	High	2480	0.06	-50.85	≤-19.94	PASS
BLE_2M	Ant1	Low	2402	0.75	-31.23	≤-19.25	PASS
BLE_2M	Ant1	High	2480	-0.04	-50.07	≤-20.04	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.

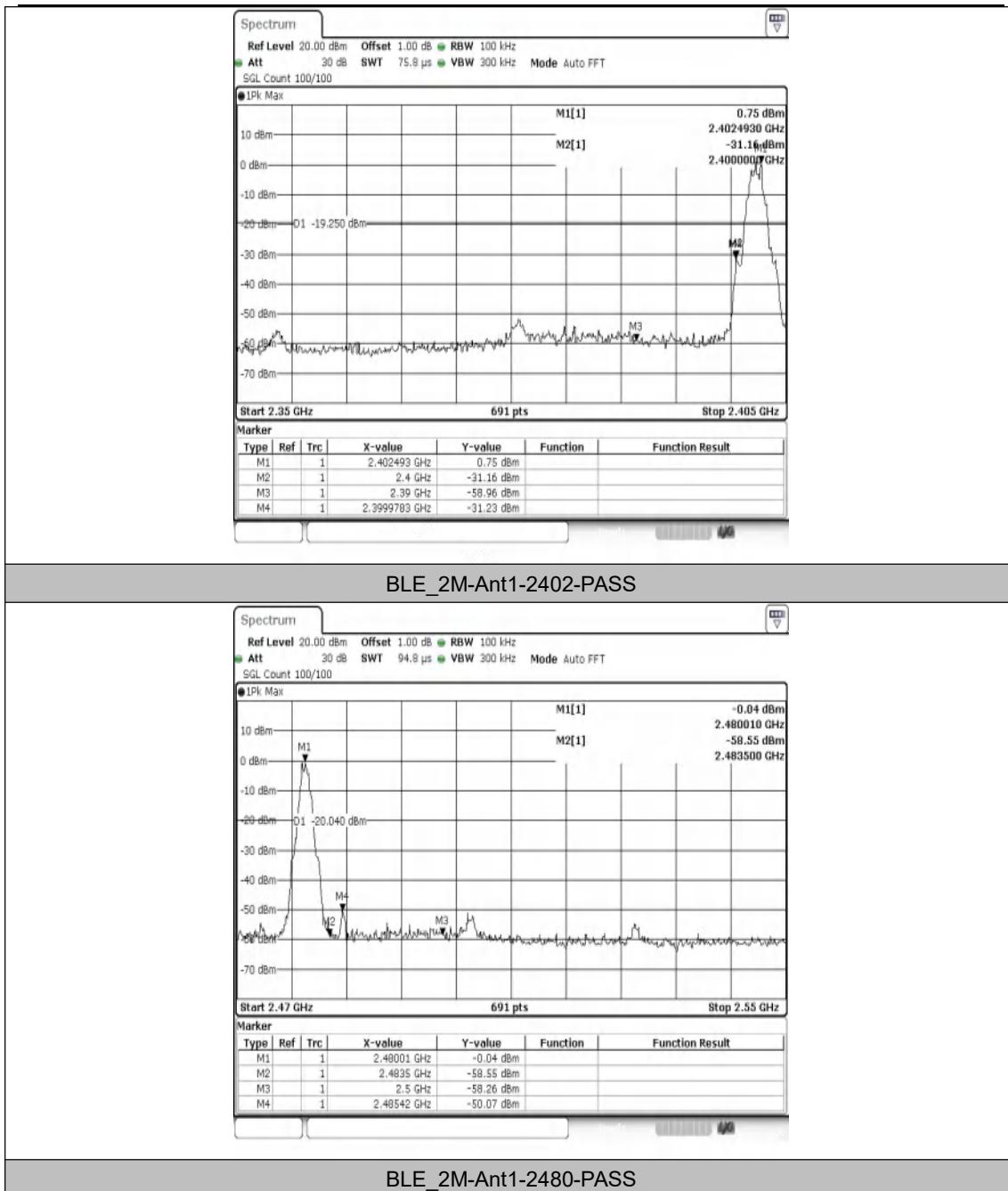
Test Graphs



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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	0.61	0.61	---	PASS
BLE_1M	Ant1	2402	30~1000	0.61	-64.73	≤-19.39	PASS
BLE_1M	Ant1	2402	1000~26500	0.61	-38.91	≤-19.39	PASS
BLE_1M	Ant1	2440	0~Reference	1.16	1.16	---	PASS
BLE_1M	Ant1	2440	30~1000	1.16	-63.63	≤-18.84	PASS
BLE_1M	Ant1	2440	1000~26500	1.16	-40.19	≤-18.84	PASS
BLE_1M	Ant1	2480	0~Reference	0.10	0.10	---	PASS
BLE_1M	Ant1	2480	30~1000	0.10	-60.71	≤-19.9	PASS
BLE_1M	Ant1	2480	1000~26500	0.10	-37.46	≤-19.9	PASS
BLE_2M	Ant1	2402	0~Reference	0.59	0.59	---	PASS
BLE_2M	Ant1	2402	30~1000	0.59	-62.29	≤-19.41	PASS
BLE_2M	Ant1	2402	1000~26500	0.59	-41.71	≤-19.41	PASS
BLE_2M	Ant1	2440	0~Reference	-1.62	-1.62	---	PASS
BLE_2M	Ant1	2440	30~1000	-1.62	-64.06	≤-21.62	PASS
BLE_2M	Ant1	2440	1000~26500	-1.62	-40.73	≤-21.62	PASS
BLE_2M	Ant1	2480	0~Reference	-0.17	-0.17	---	PASS
BLE_2M	Ant1	2480	30~1000	-0.17	-60.55	≤-20.17	PASS
BLE_2M	Ant1	2480	1000~26500	-0.17	-39.65	≤-20.17	PASS

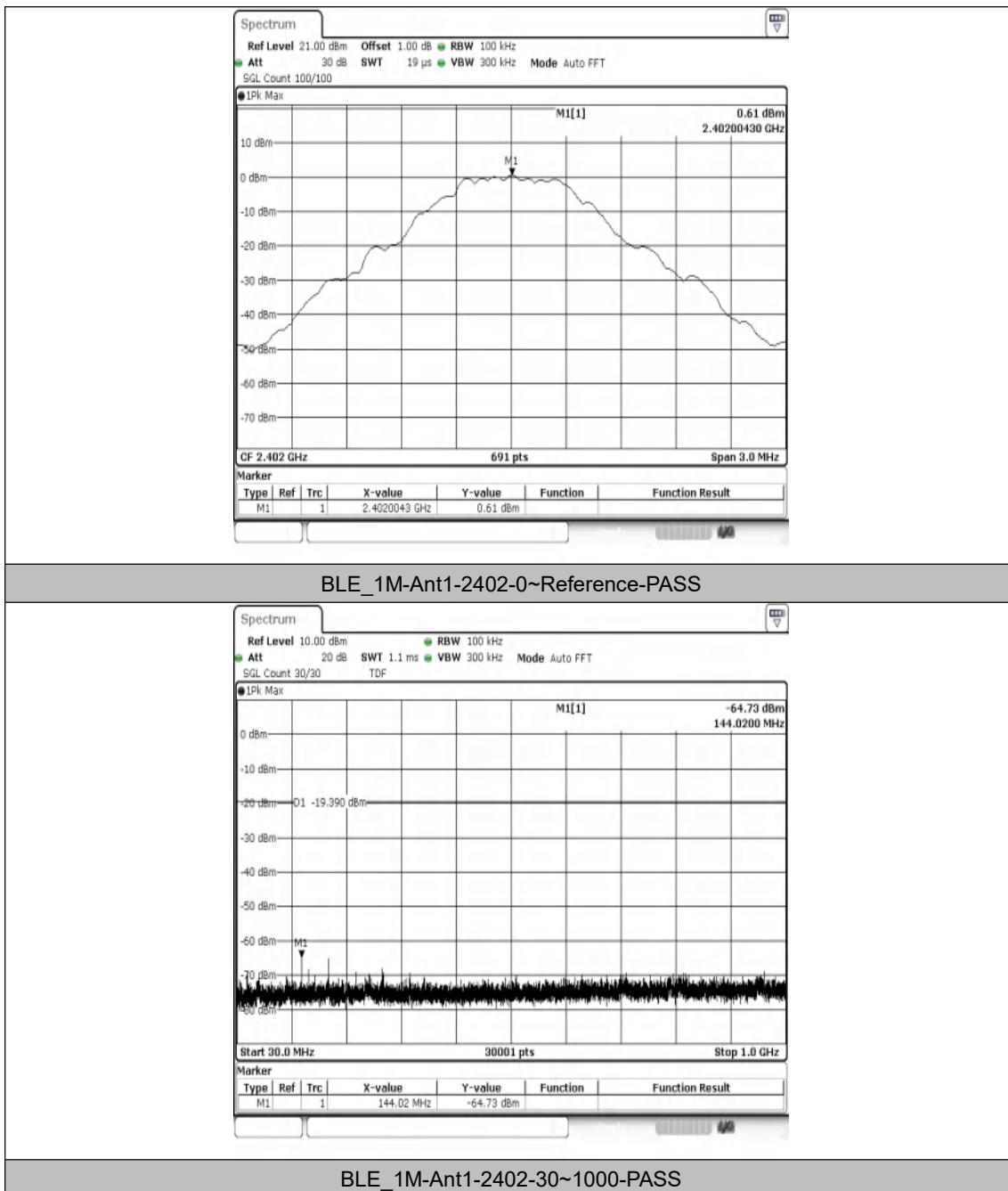
Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'TDF' of the Spectrum Analyzer during the test.

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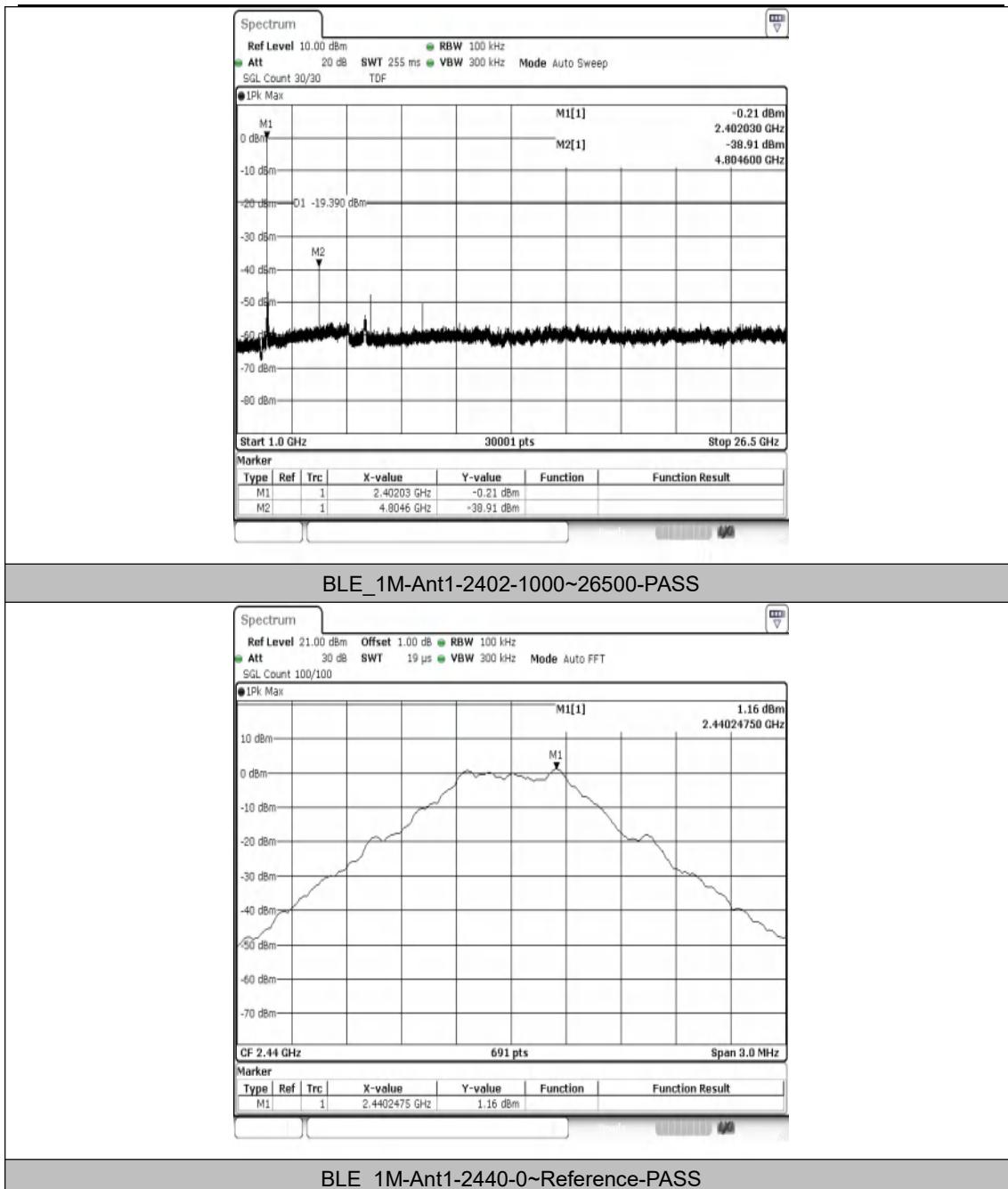
Test Graphs



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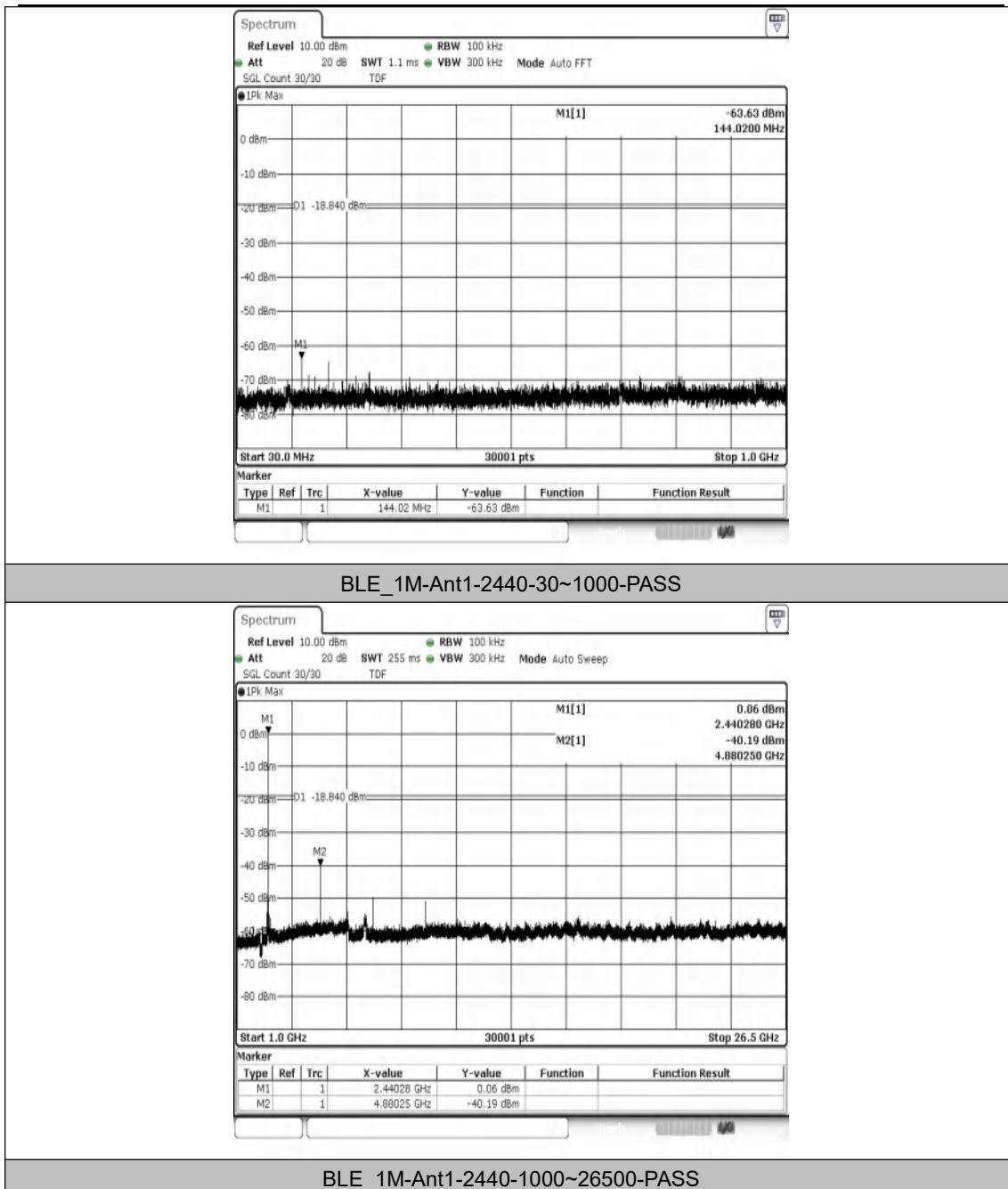
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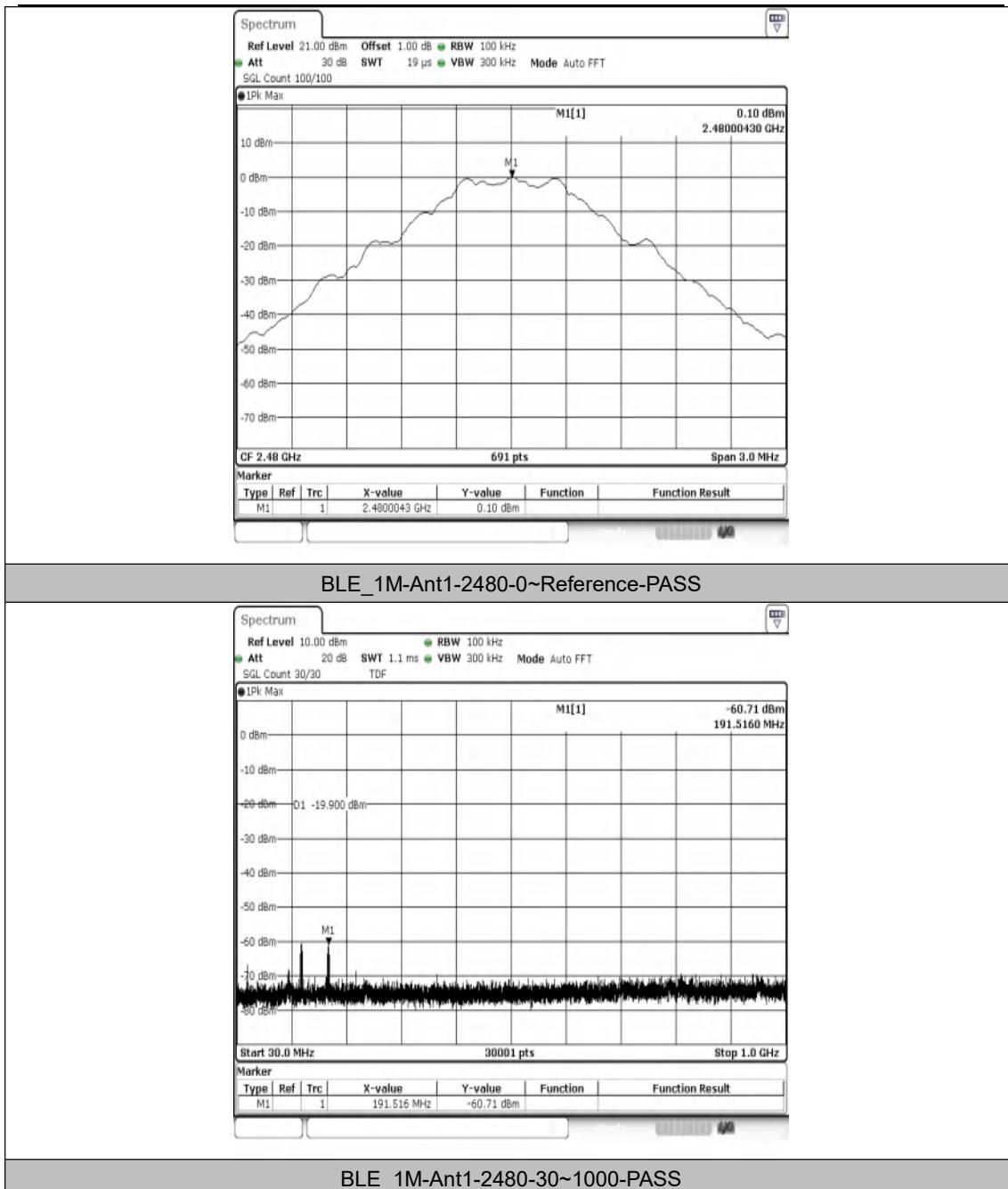
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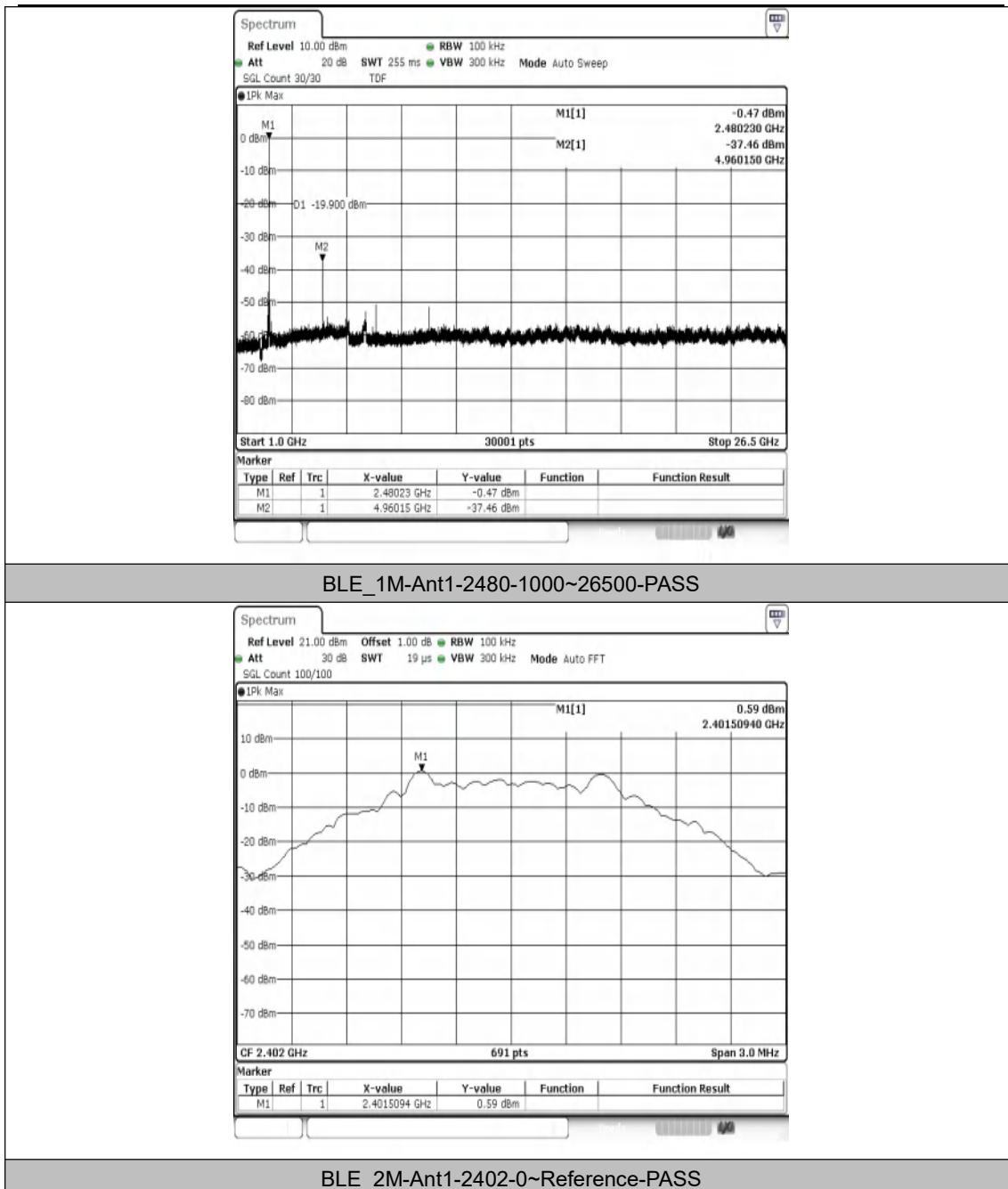
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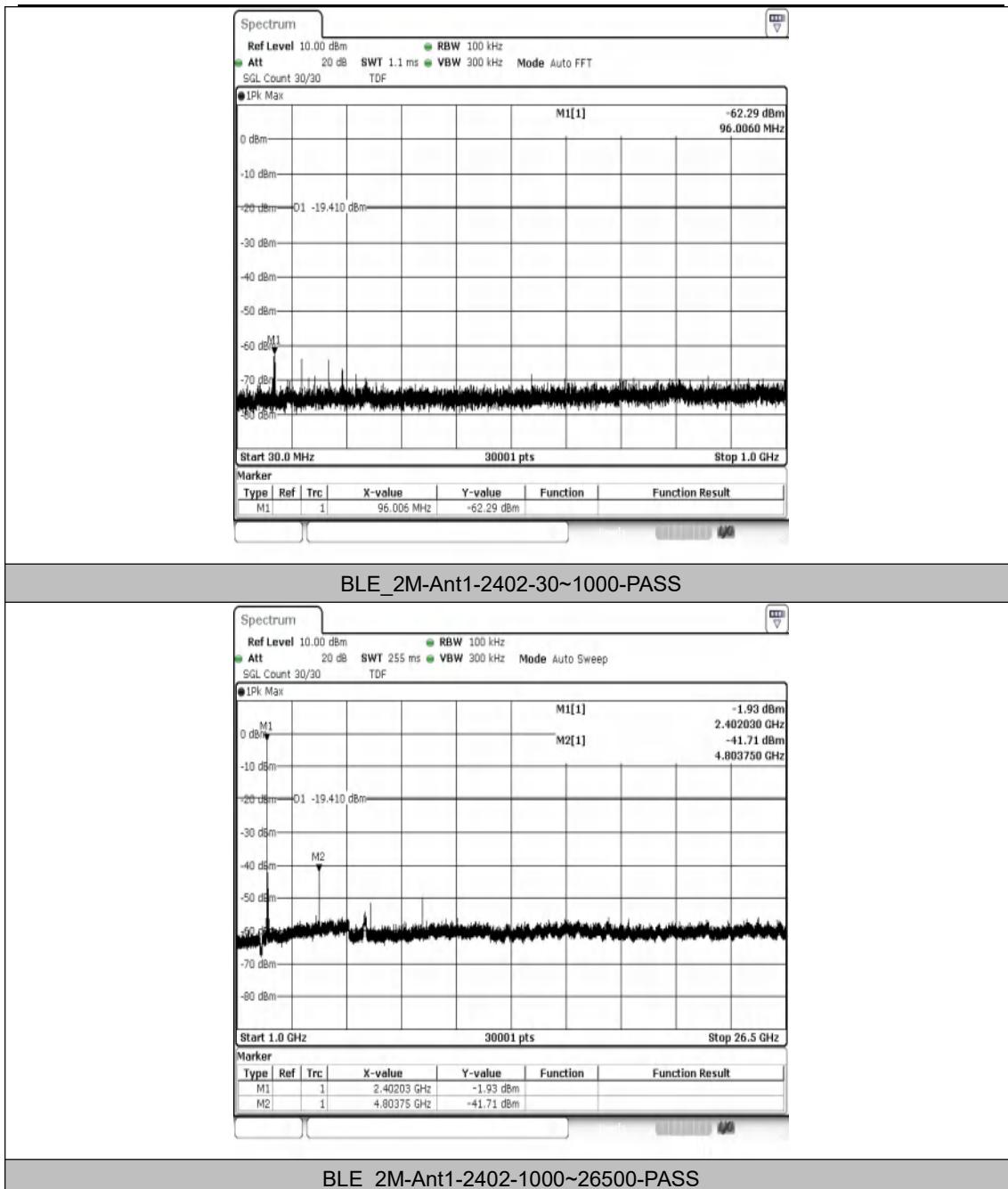
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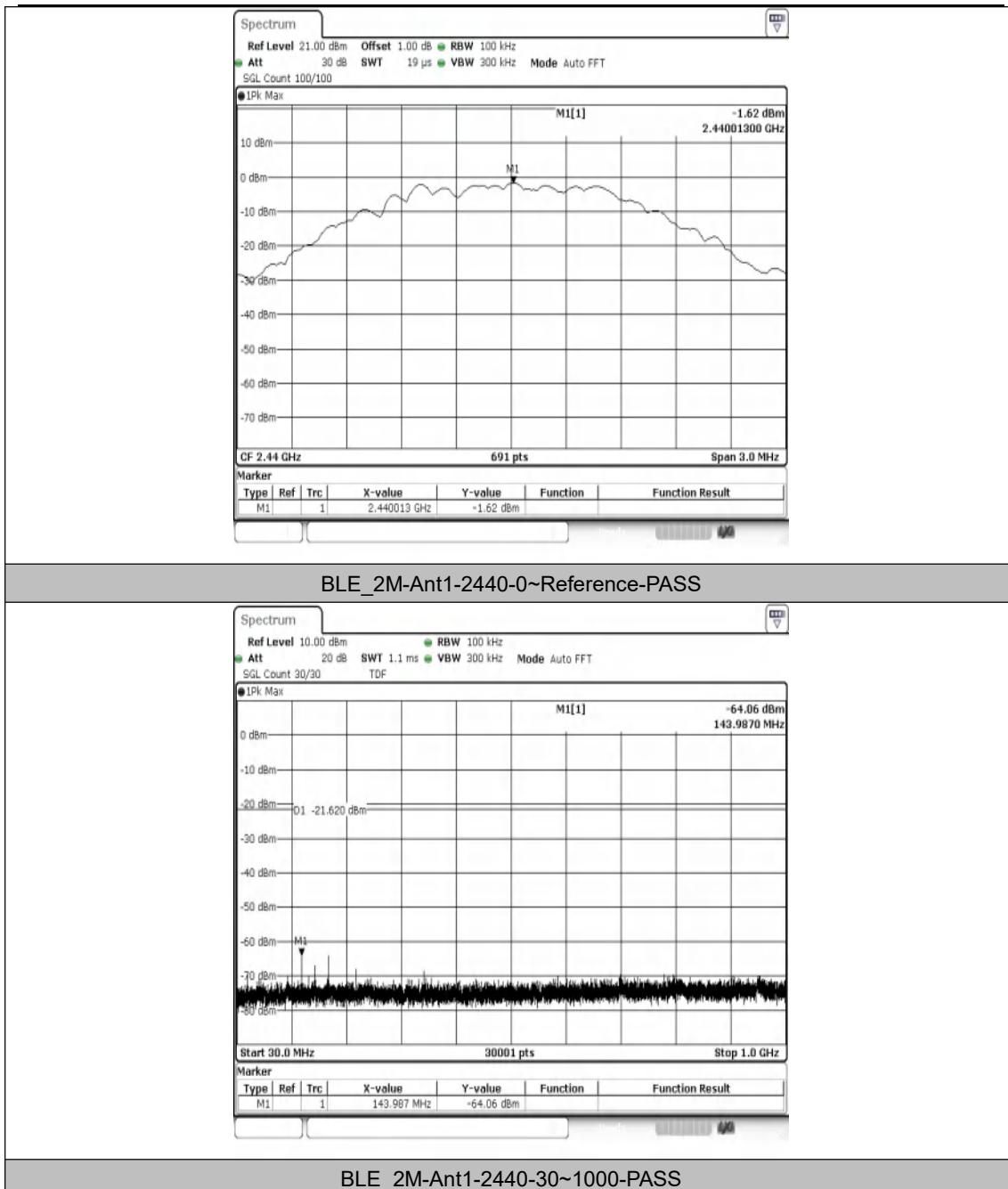
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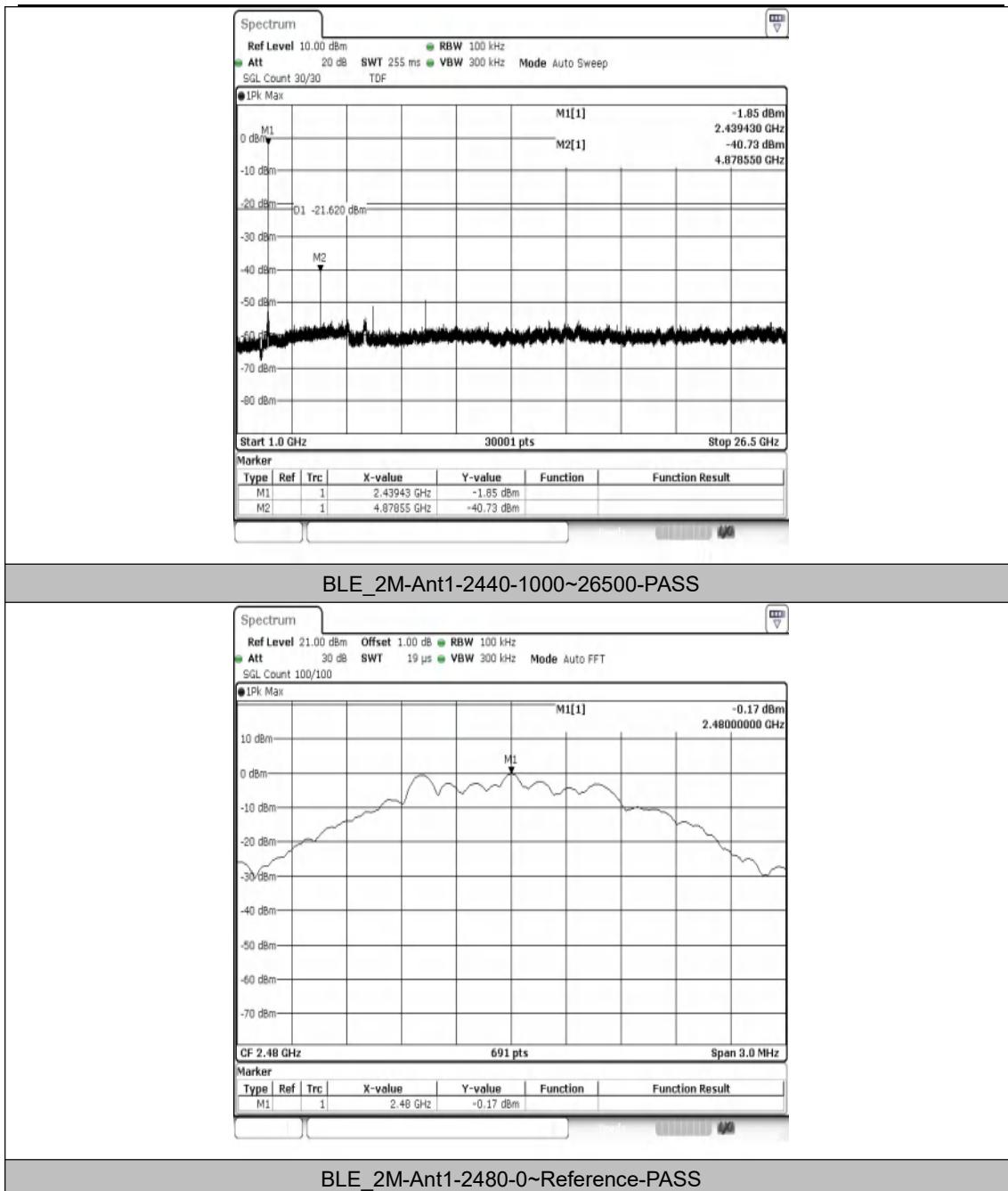
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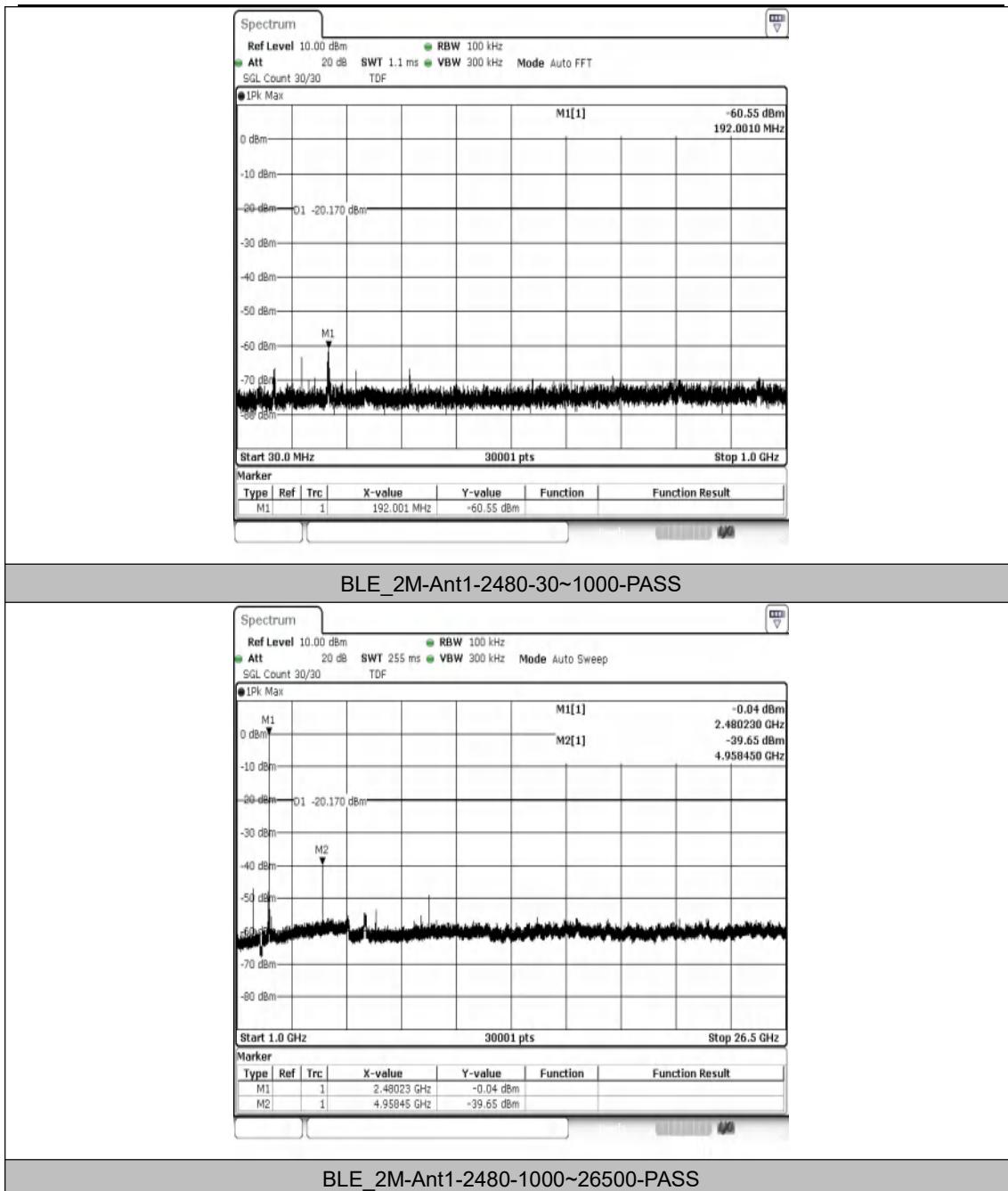
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Appendix G: Duty Cycle

Test Result

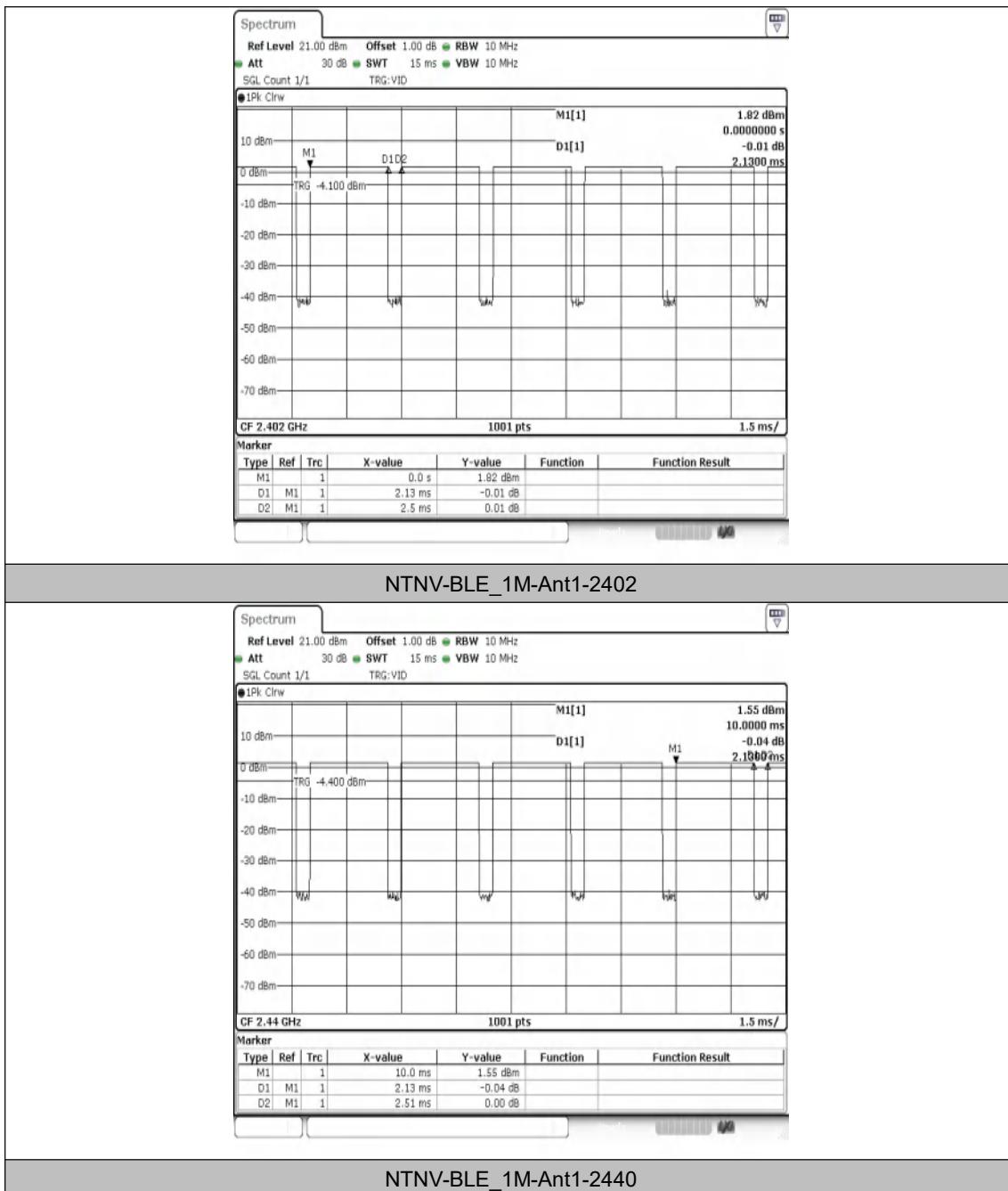
Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.50	85.20	0.70
BLE_1M	Ant1	2440	2.13	2.51	84.86	0.71
BLE_1M	Ant1	2480	2.13	2.51	84.86	0.71
BLE_2M	Ant1	2402	1.06	2.49	42.57	3.71
BLE_2M	Ant1	2440	1.08	2.50	43.20	3.65
BLE_2M	Ant1	2480	1.08	2.50	43.20	3.65

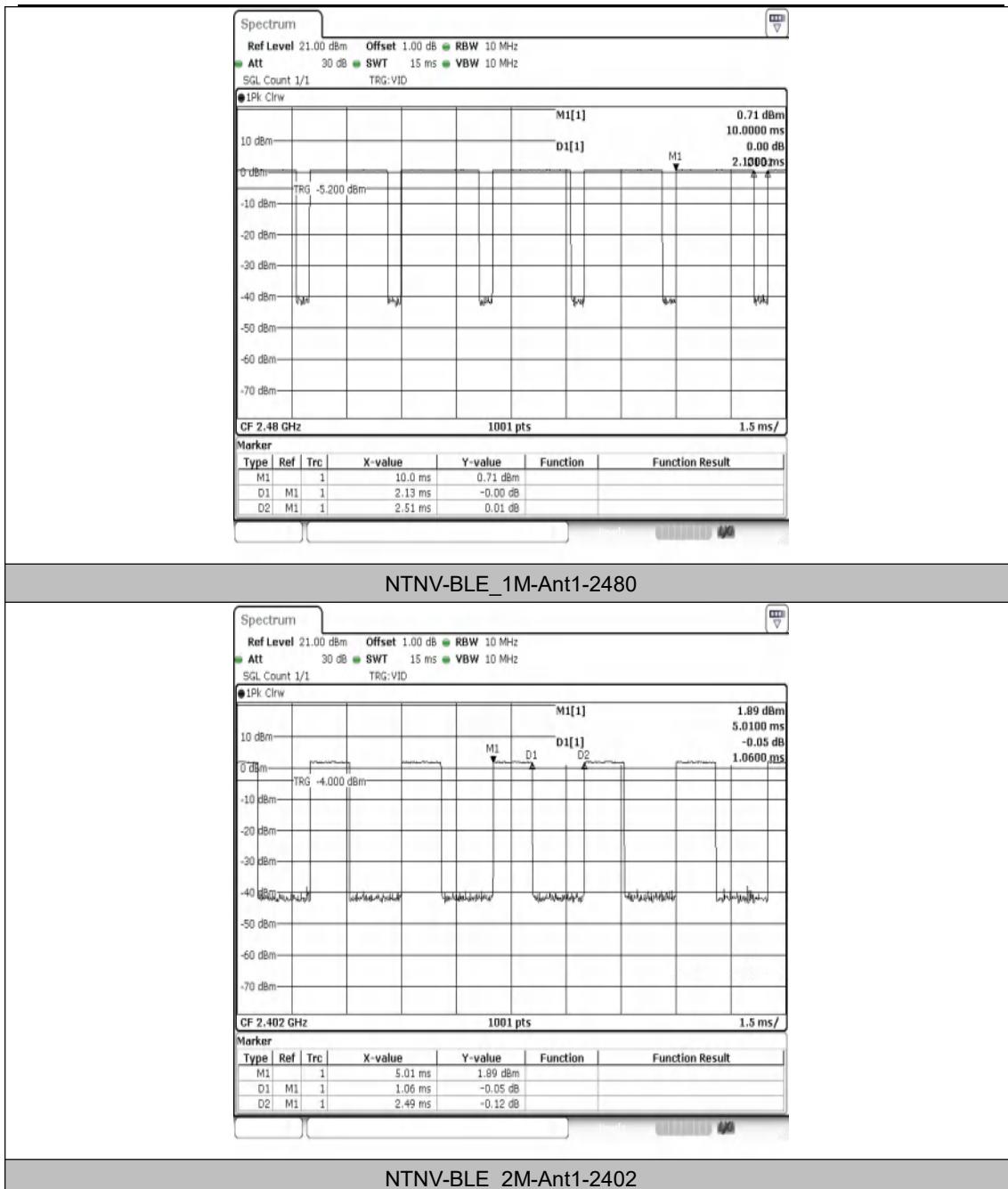
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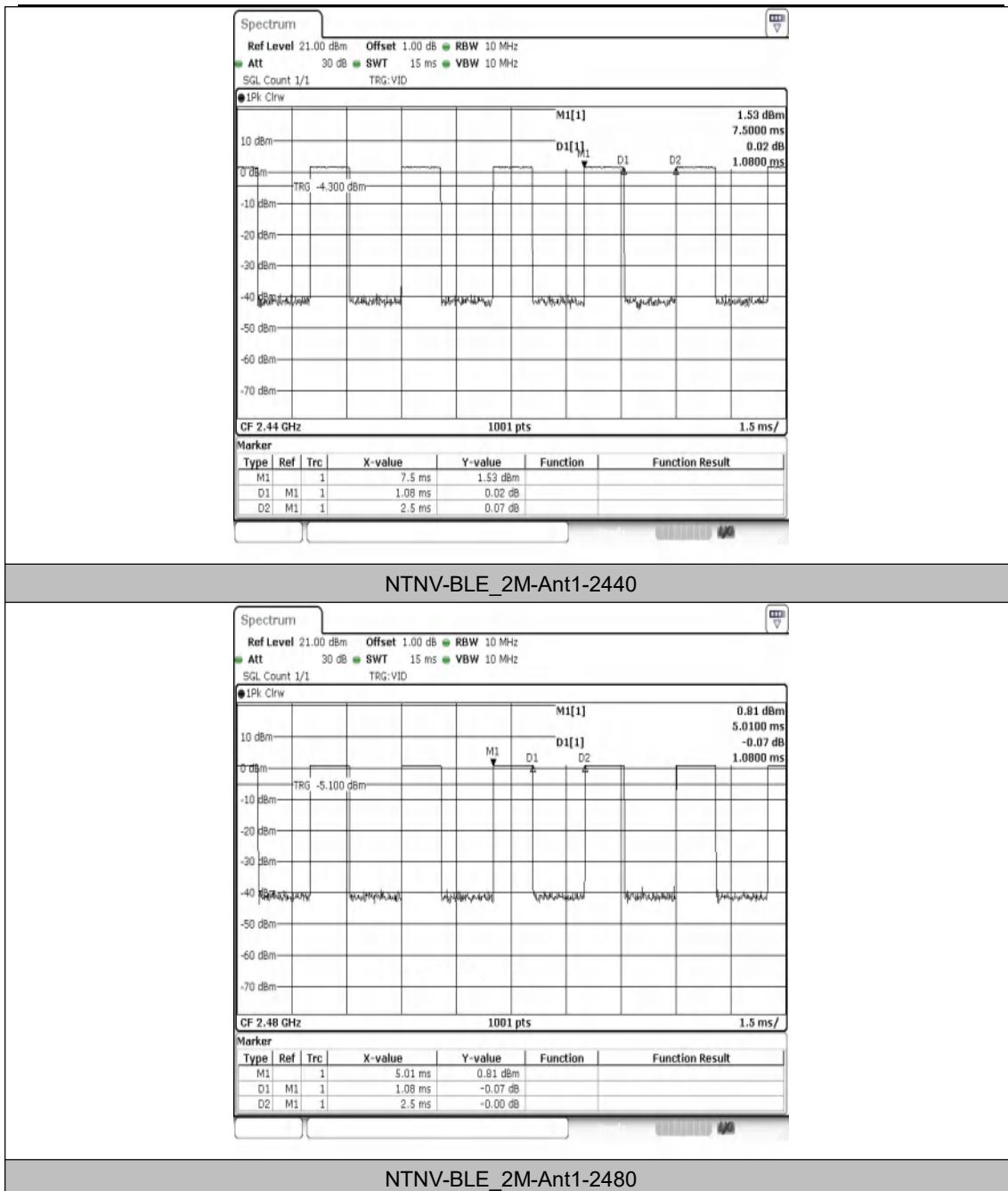




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