

Appendix Test Data

Report No. : 1818C50132712501-01

Applicant : Aputure Imaging Industries Co., Ltd.

Address : 3rd Floor, Building 21, Longjun industrial estate,
Longhua, Bao'an, Shenzhen, P.R.China

Product Name : amaran Video Light

Report Date : 2025-09-22

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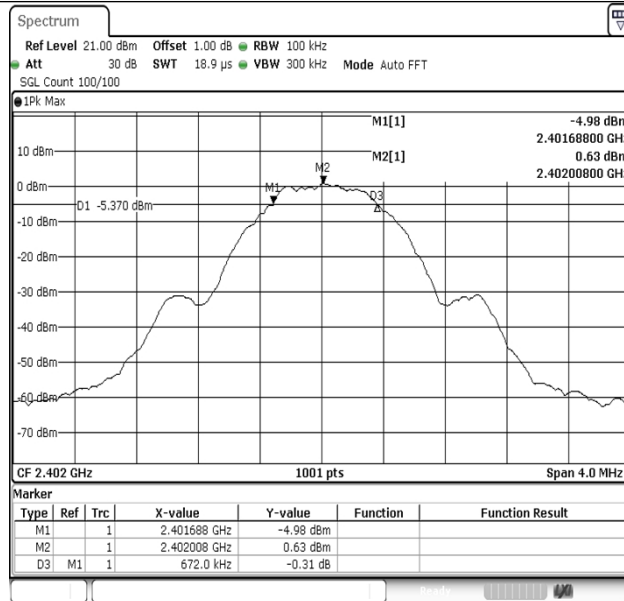
Report No.:	1818C50132712501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-7-21	Finish Test Date:	2025-7-23
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	26.1C°	Relative Humidity:	58%
Pressure:	101kPa		

Appendix A: 6dB Bandwidth

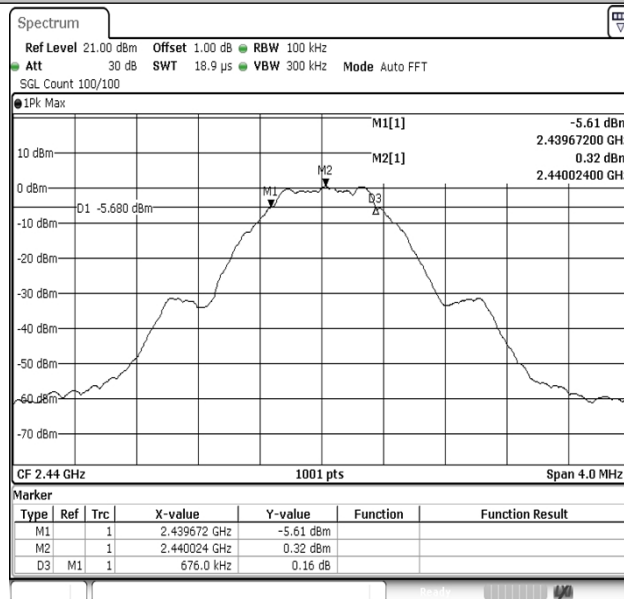
Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.67	2401.69	2402.36	0.5	PASS
BLE_1M	Ant1	2440	0.68	2439.67	2440.35	0.5	PASS
BLE_1M	Ant1	2480	0.66	2479.69	2480.35	0.5	PASS

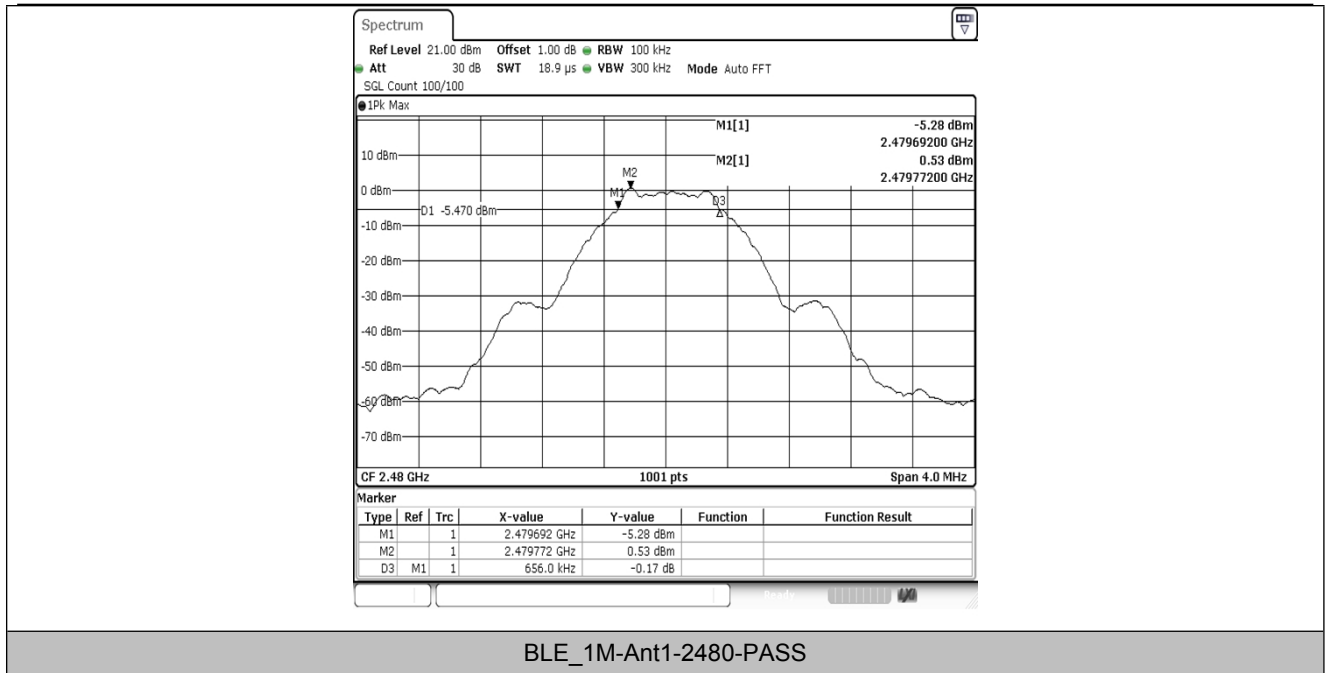
Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS



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Appendix B: 99% Occupied Bandwidth

Test Result

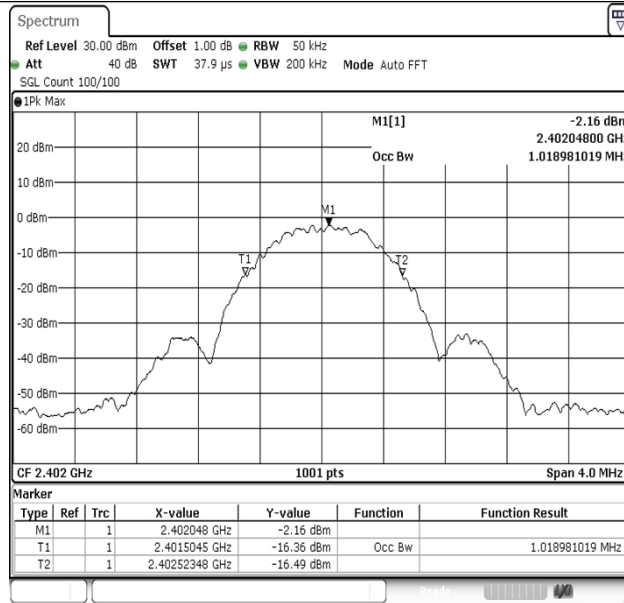
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0190	2401.5045	2402.5235	---	---
BLE_1M	Ant1	2440	1.0190	2439.5085	2440.5275	---	---
BLE_1M	Ant1	2480	1.0350	2479.5045	2480.5395	---	---

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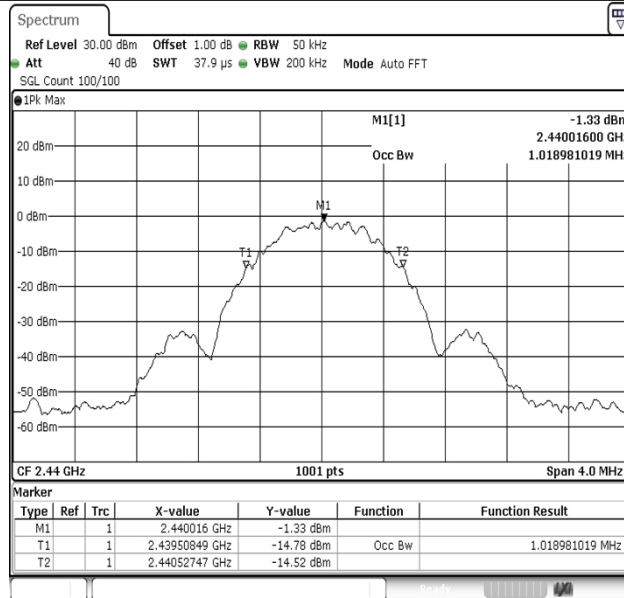
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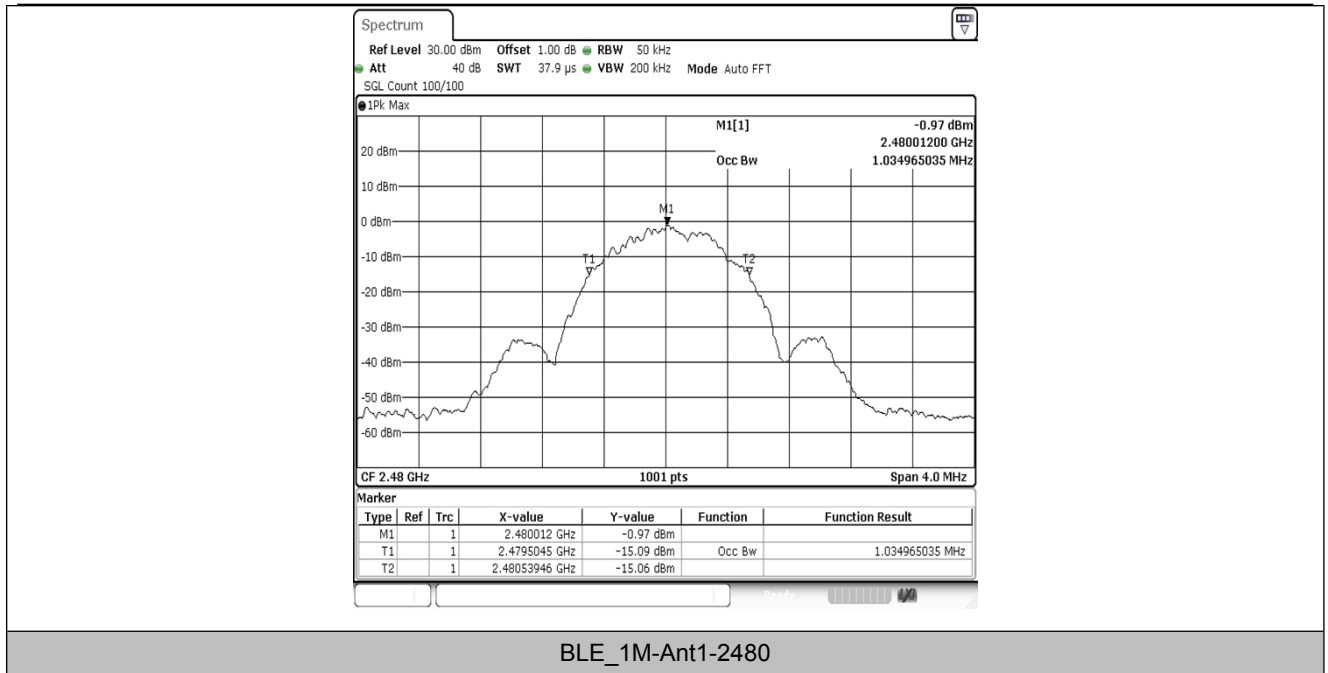
Test Graphs



BLE_1M-Ant1-2402



BLE_1M-Ant1-2440



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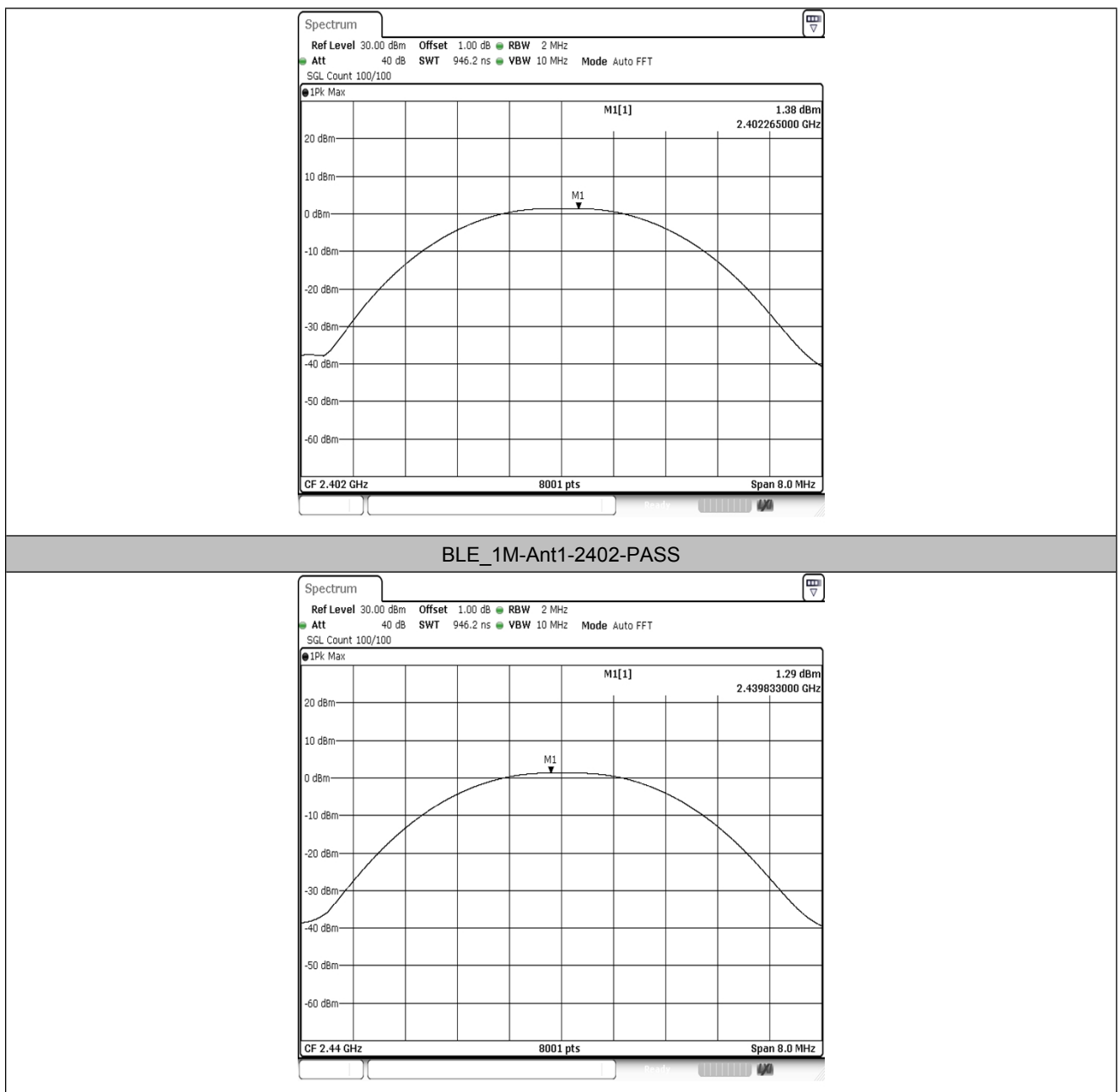
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Appendix C: Maximum conducted output power

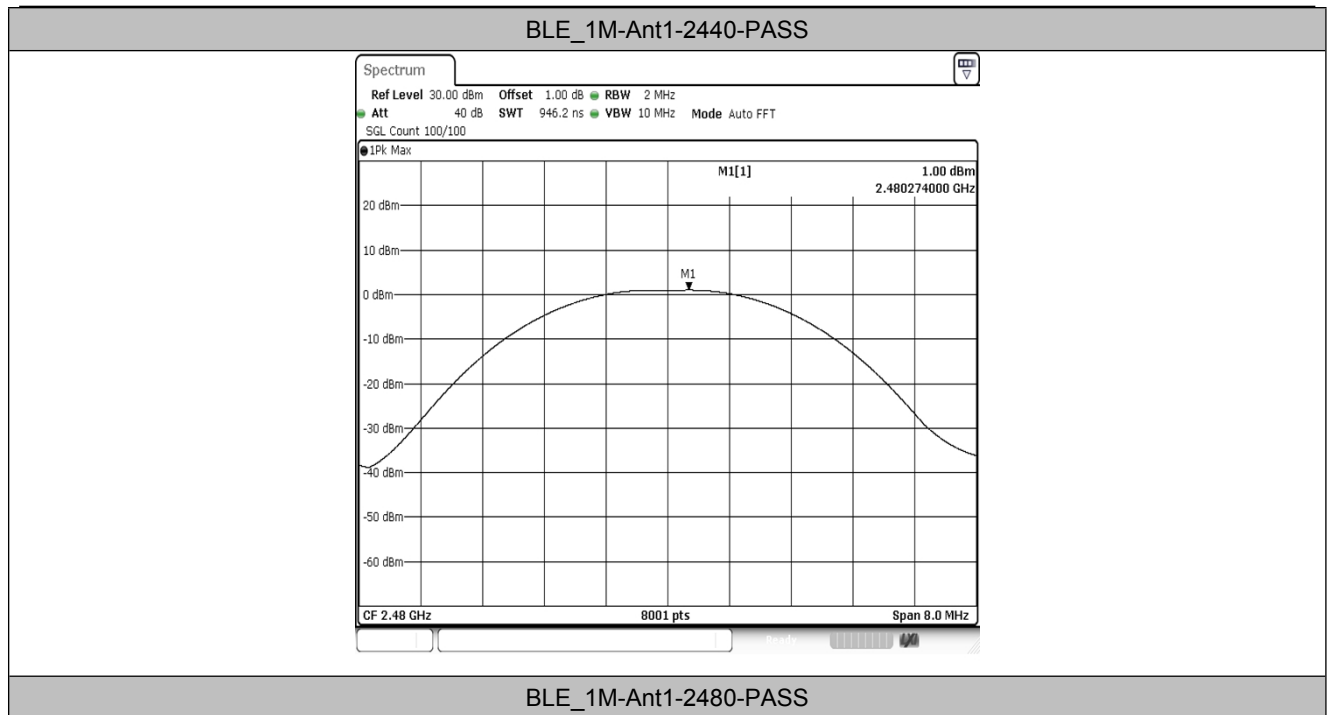
Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.38	≤30	PASS
BLE_1M	Ant1	2440	1.29	≤30	PASS
BLE_1M	Ant1	2480	1.00	≤30	PASS

Test Graphs Peak



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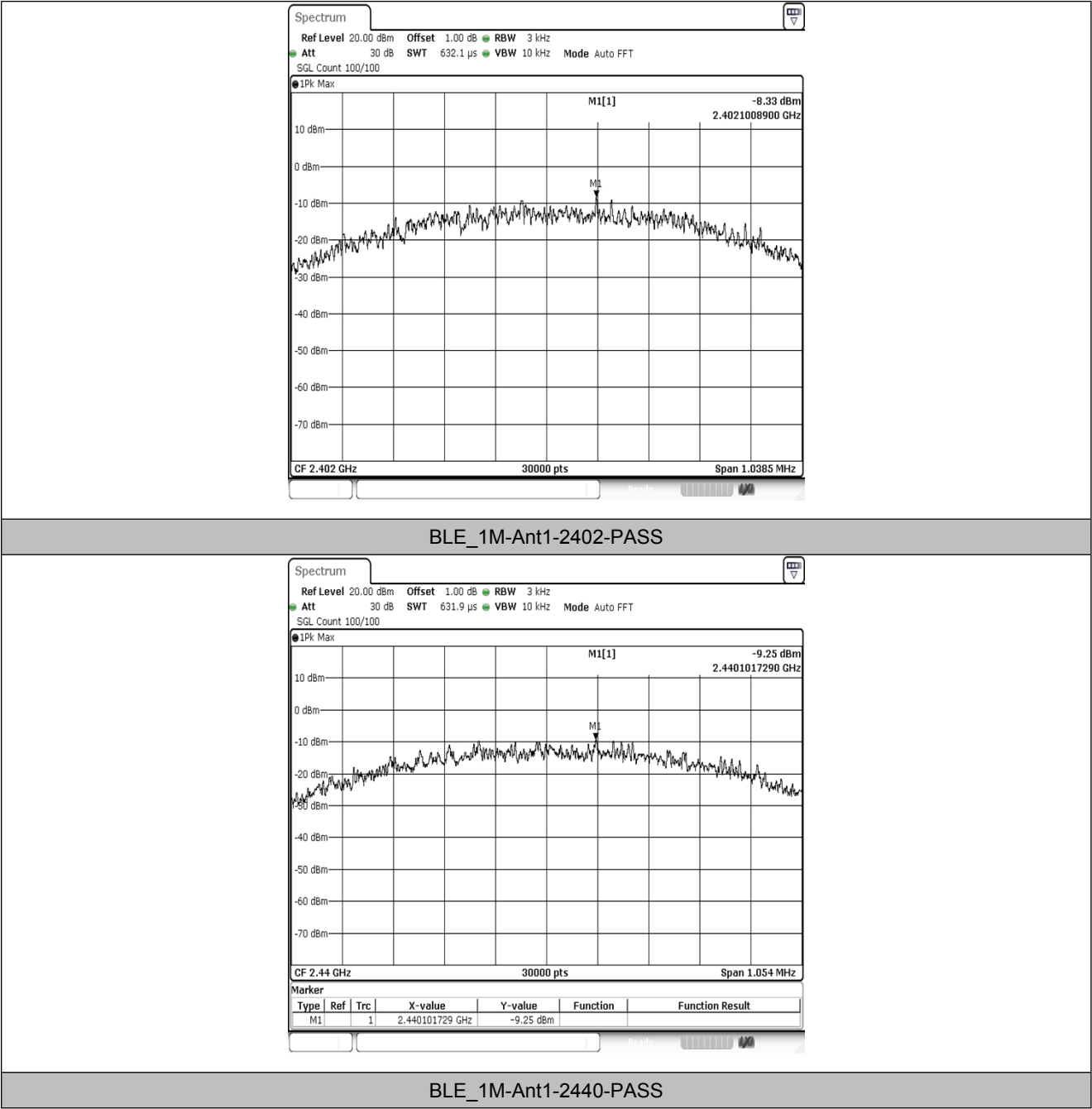
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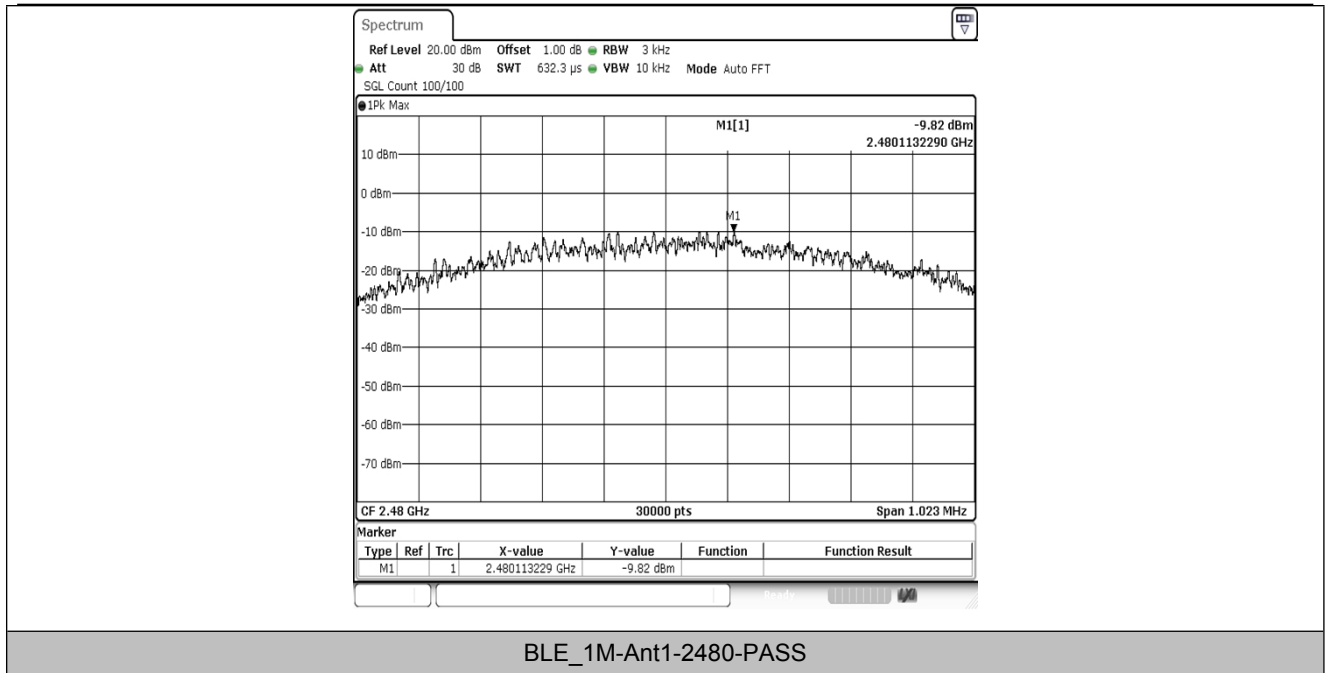
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.33	≤8.00	PASS
BLE_1M	Ant1	2440	-9.25	≤8.00	PASS
BLE_1M	Ant1	2480	-9.82	≤8.00	PASS

Test Graphs





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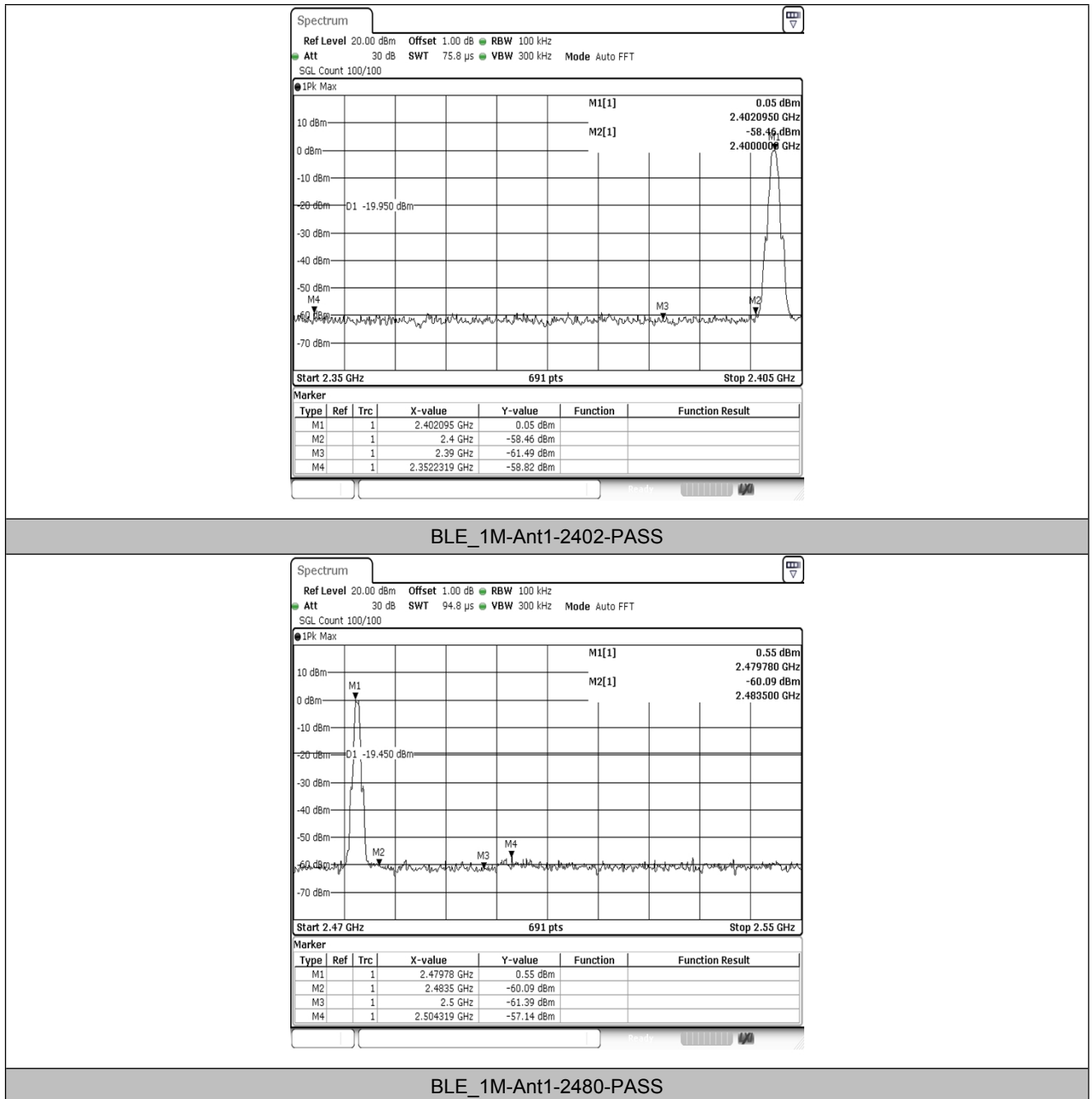
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.05	-58.82	≤-19.95	PASS
BLE_1M	Ant1	High	2480	0.55	-57.14	≤-19.45	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



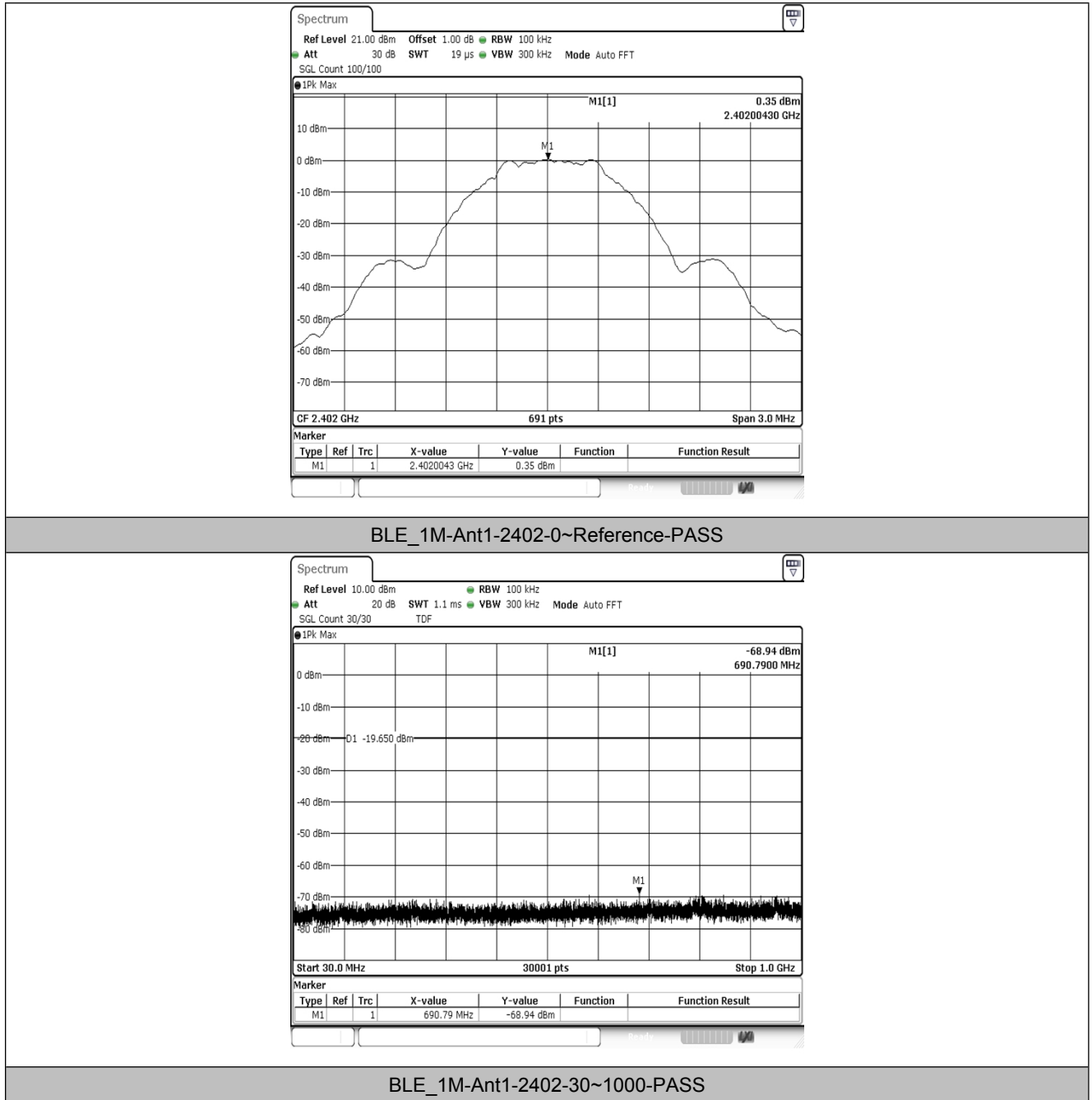
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	0.35	0.35	---	PASS
BLE_1M	Ant1	2402	30~1000	0.35	-68.94	≤-19.65	PASS
BLE_1M	Ant1	2402	1000~26500	0.35	-49.63	≤-19.65	PASS
BLE_1M	Ant1	2440	0~Reference	-0.04	-0.04	---	PASS
BLE_1M	Ant1	2440	30~1000	-0.04	-68.63	≤-20.04	PASS
BLE_1M	Ant1	2440	1000~26500	-0.04	-55.24	≤-20.04	PASS
BLE_1M	Ant1	2480	0~Reference	0.50	0.50	---	PASS
BLE_1M	Ant1	2480	30~1000	0.50	-69.26	≤-19.5	PASS
BLE_1M	Ant1	2480	1000~26500	0.50	-53.01	≤-19.5	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.

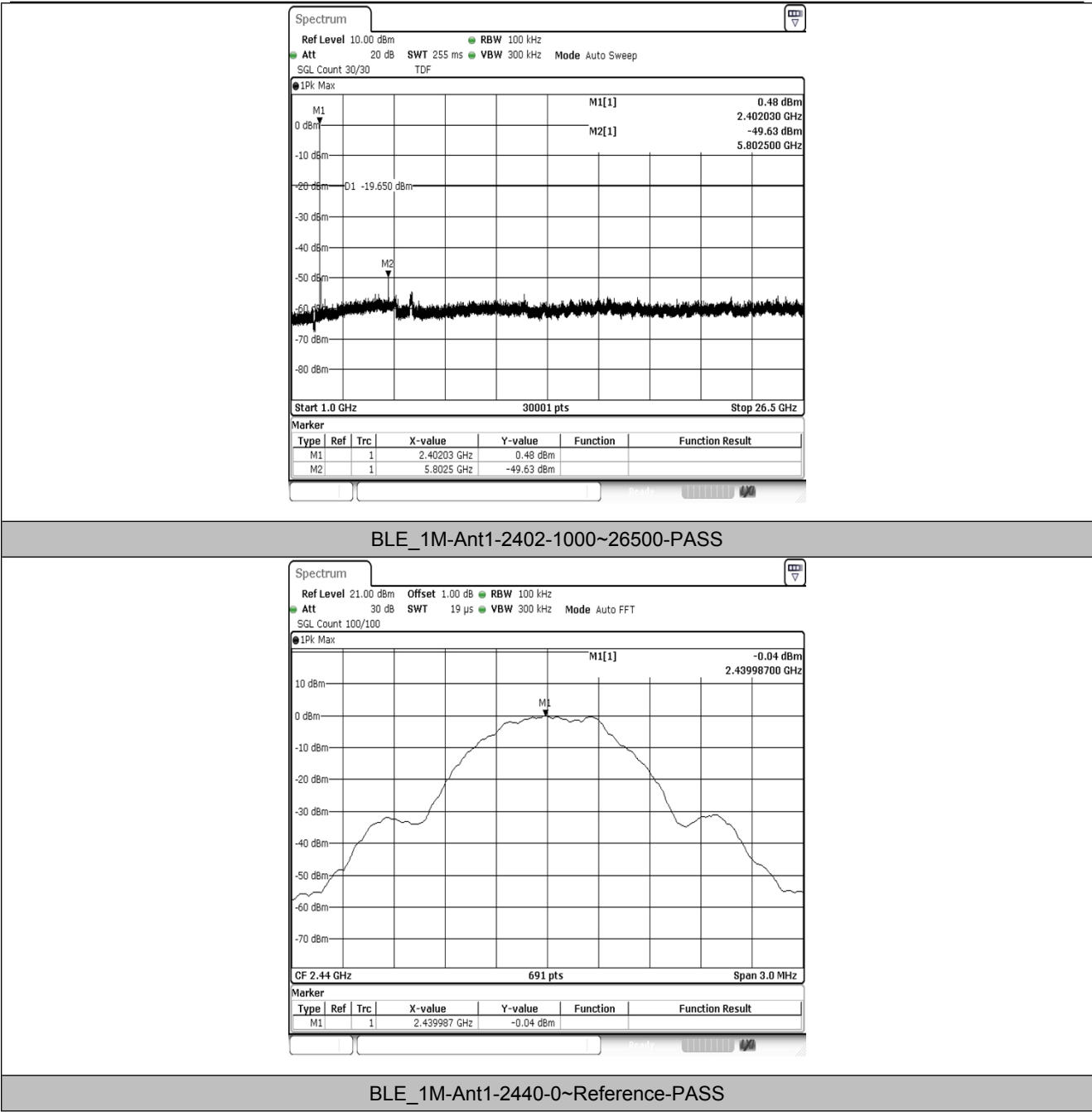
Test Graphs

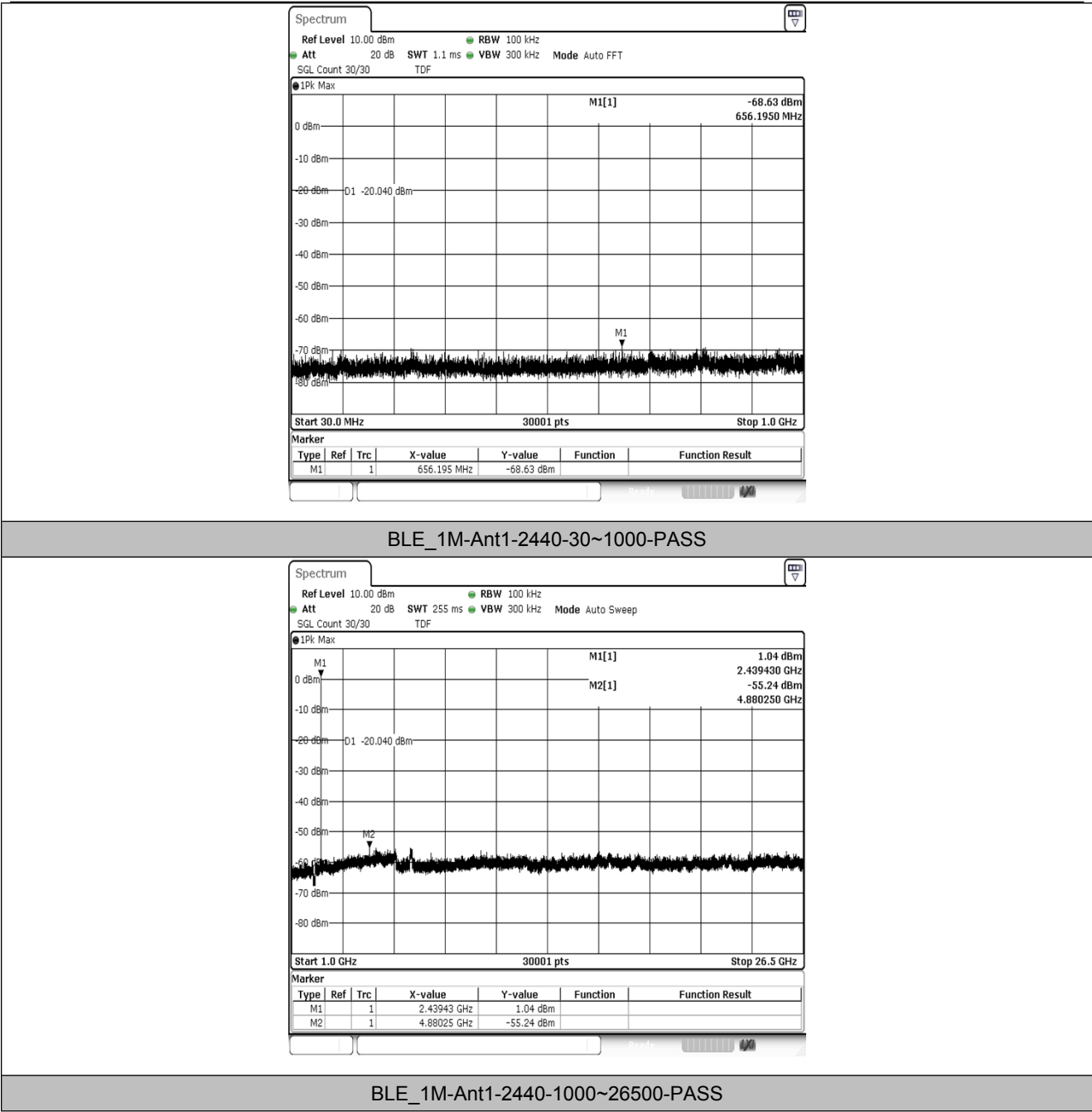


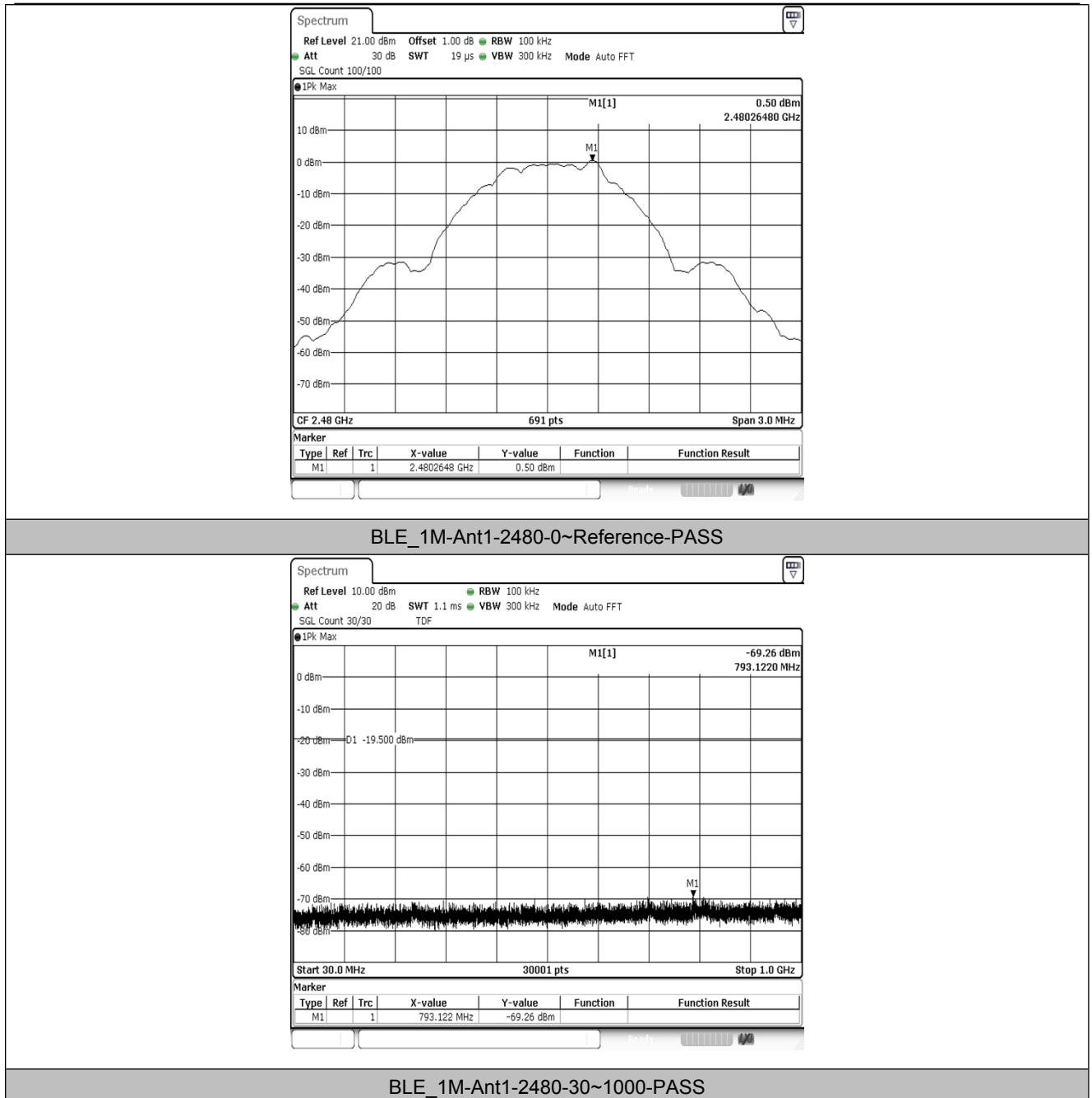
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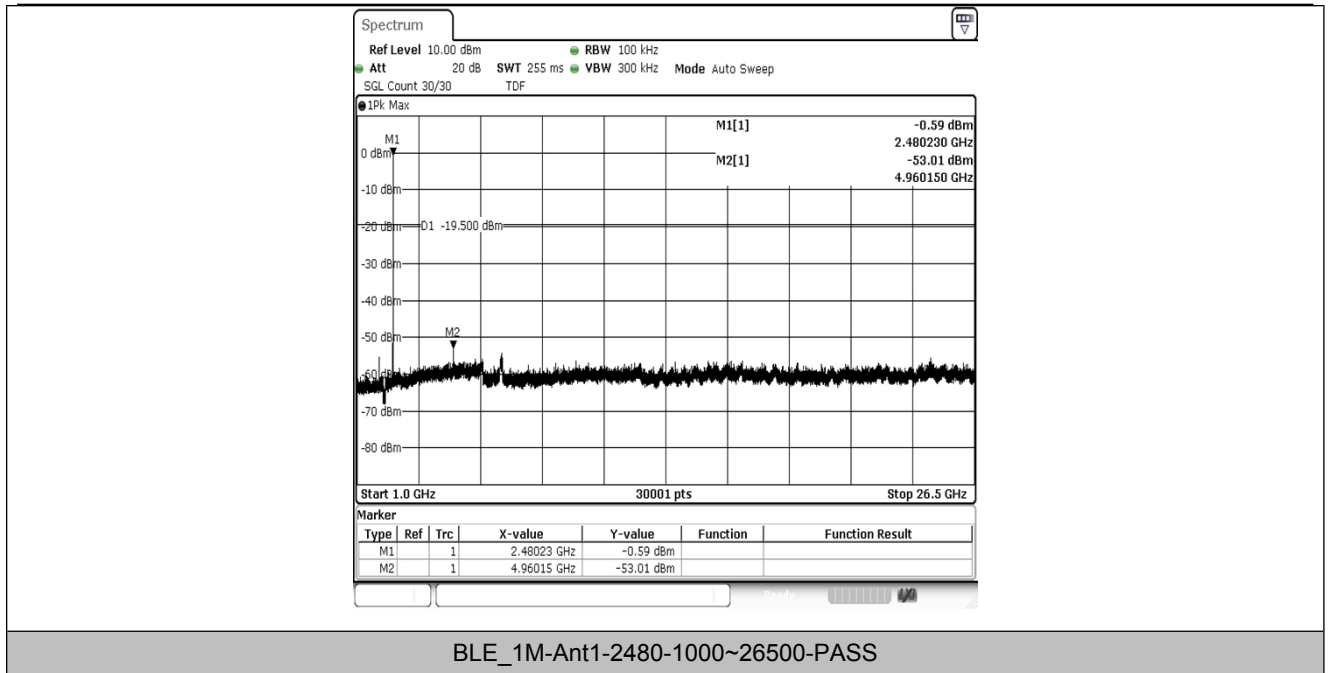




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Appendix G: Duty Cycle

Test Result

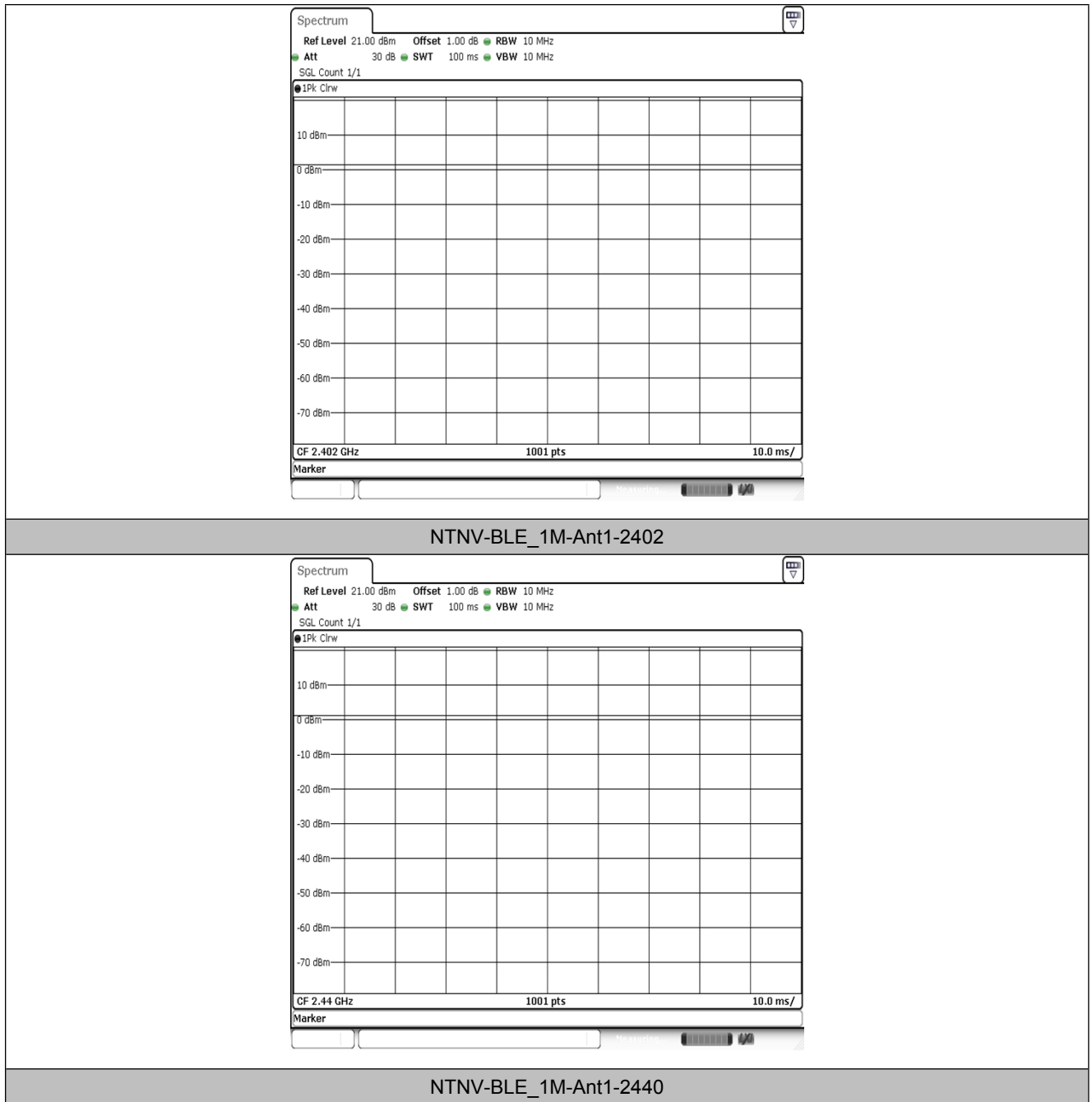
Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	100.00	100.00	100.00	0.00
BLE_1M	Ant1	2440	100.00	100.00	100.00	0.00
BLE_1M	Ant1	2480	100.00	100.00	100.00	0.00

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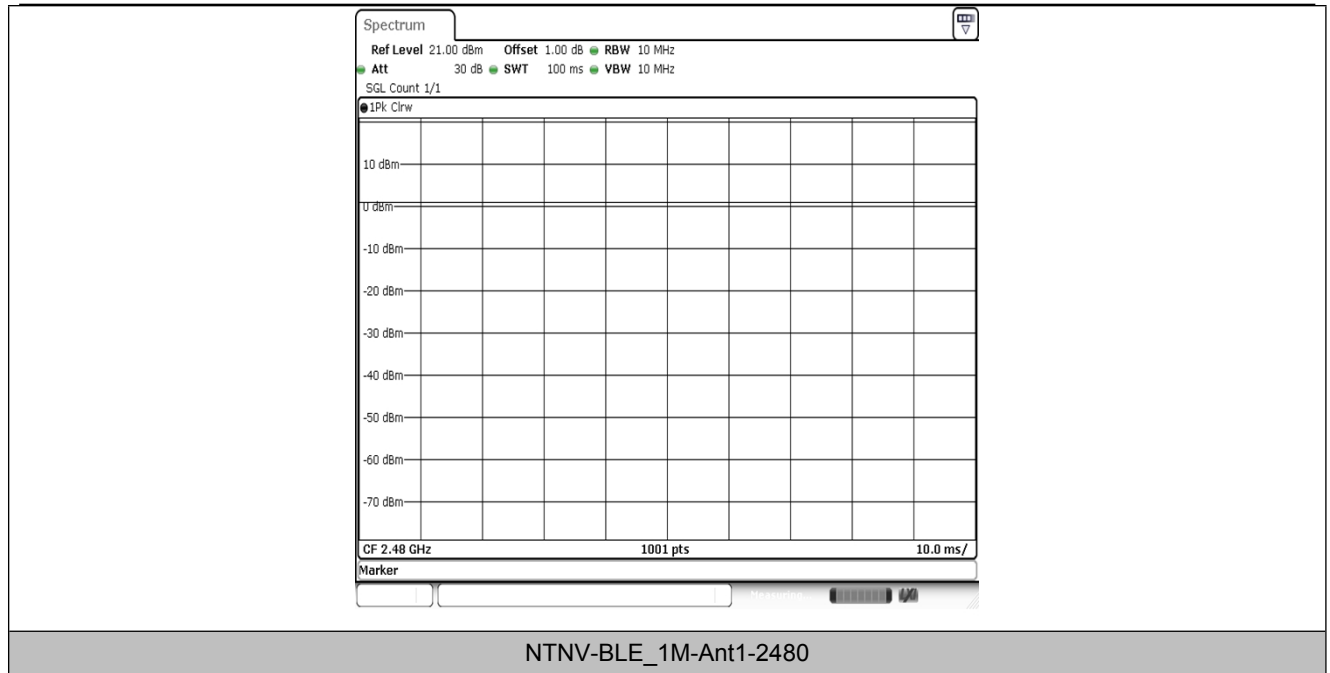
Test Graphs



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