

Appendix Test Data

Report No.:	1812C50534412501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-10-19	Finish Test Date:	2025-10-20
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	27°C	Relative Humidity:	47%
Pressure:	101kPa		

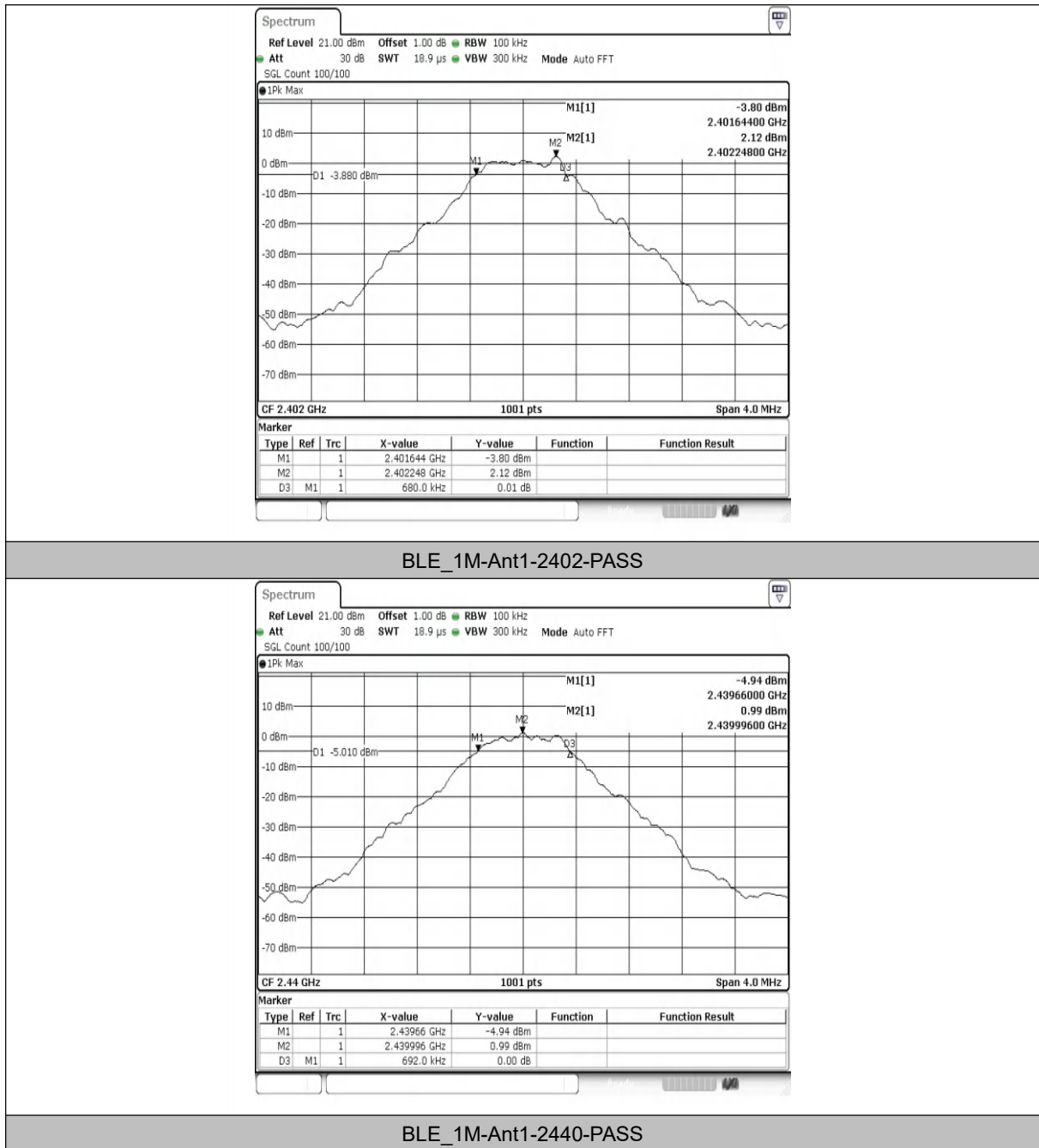


Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.68	2401.64	2402.32	0.5	PASS
BLE_1M	Ant1	2440	0.69	2439.66	2440.35	0.5	PASS
BLE_1M	Ant1	2480	0.68	2479.64	2480.32	0.5	PASS

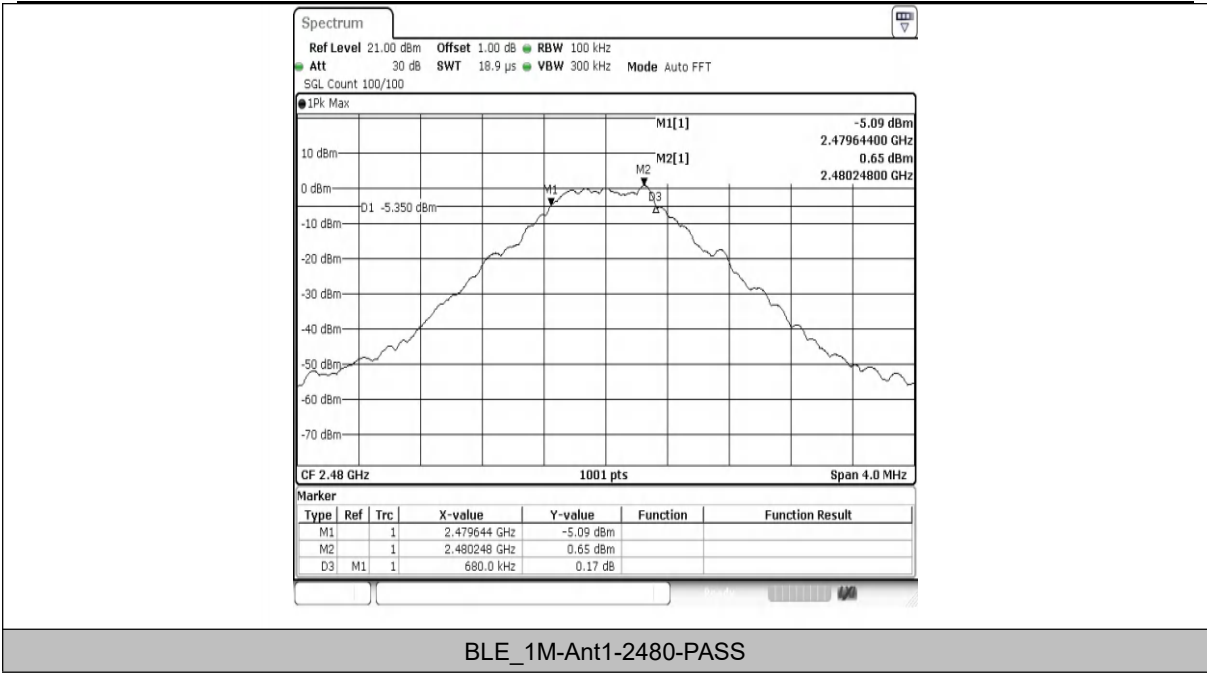
Test Graphs



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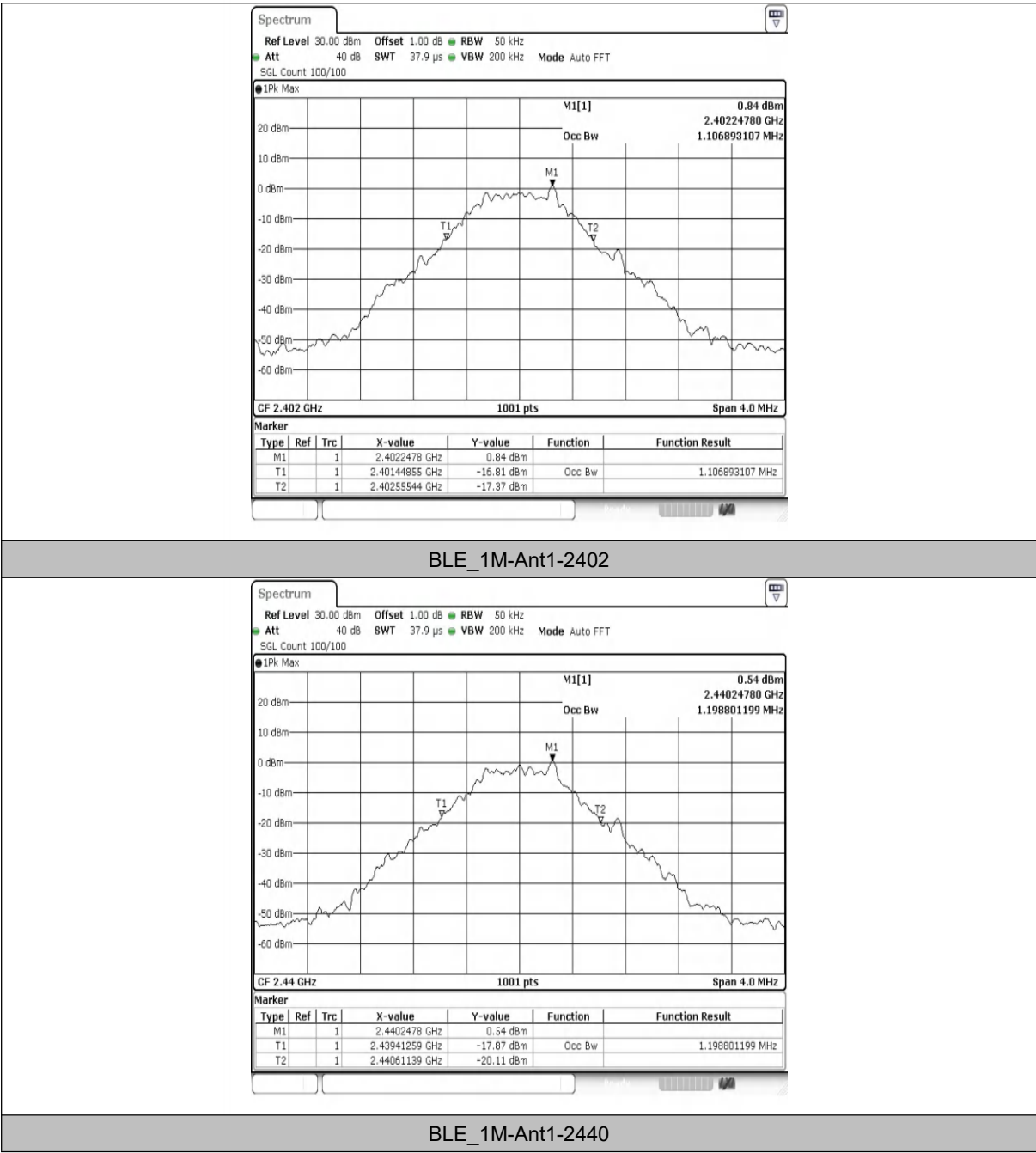
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.1069	2401.4486	2402.5554	---	---
BLE_1M	Ant1	2440	1.1988	2439.4126	2440.6114	---	---
BLE_1M	Ant1	2480	1.2428	2479.3886	2480.6314	---	---

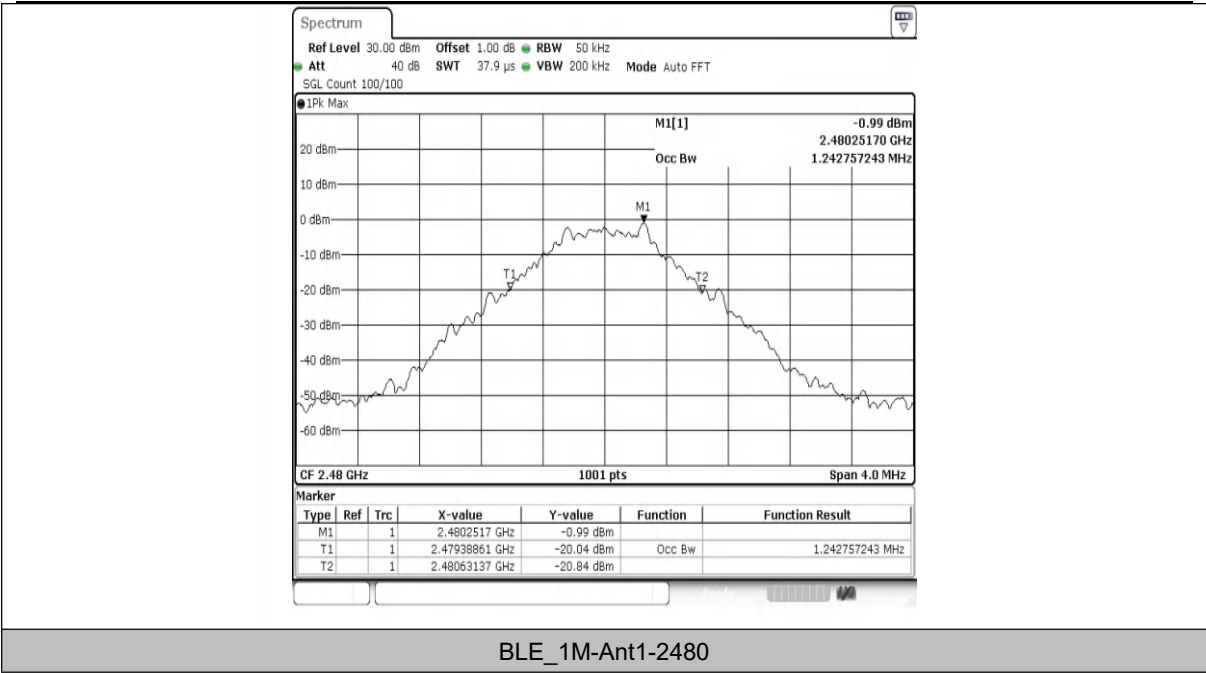
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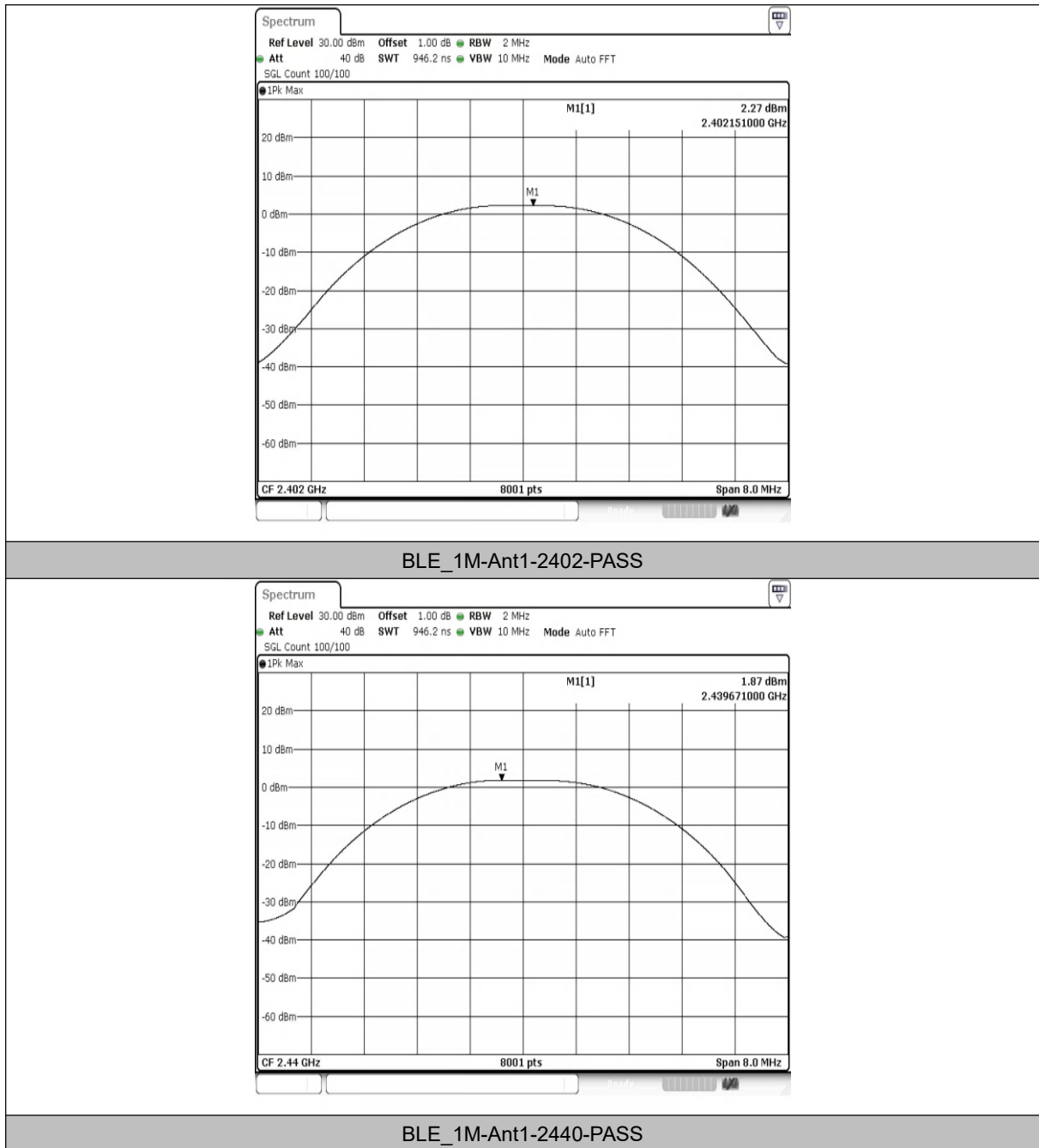
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.27	≤30	PASS
BLE_1M	Ant1	2440	1.87	≤30	PASS
BLE_1M	Ant1	2480	1.22	≤30	PASS

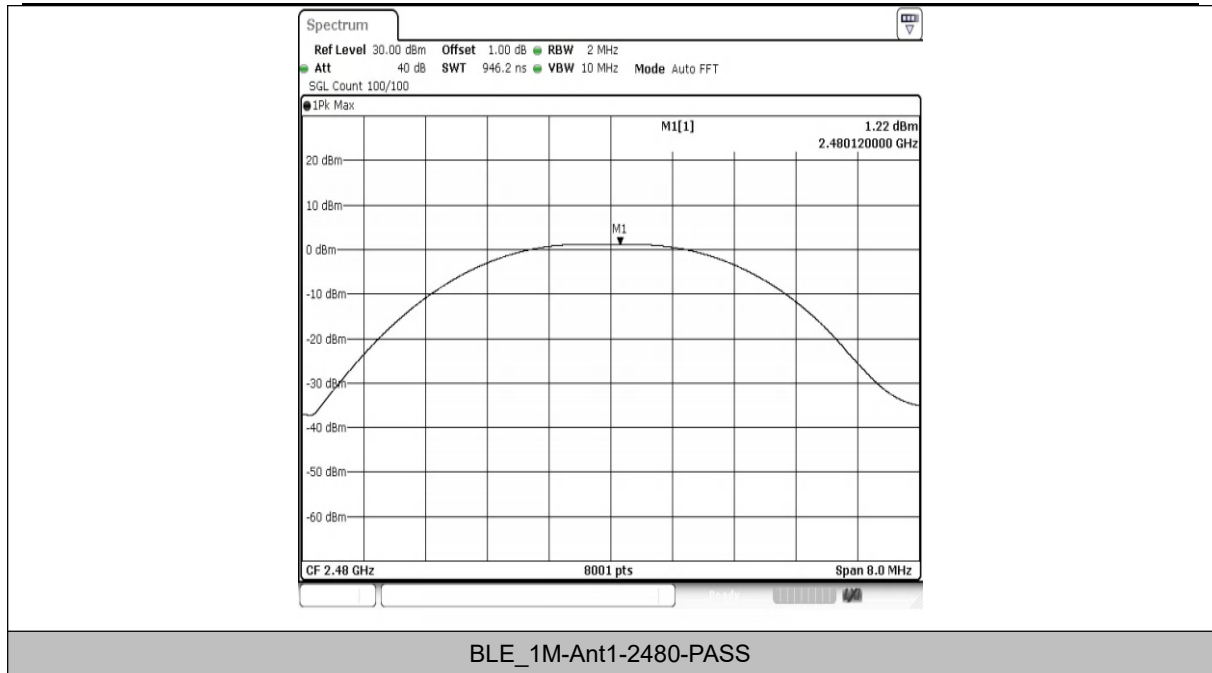
Test Graphs Peak



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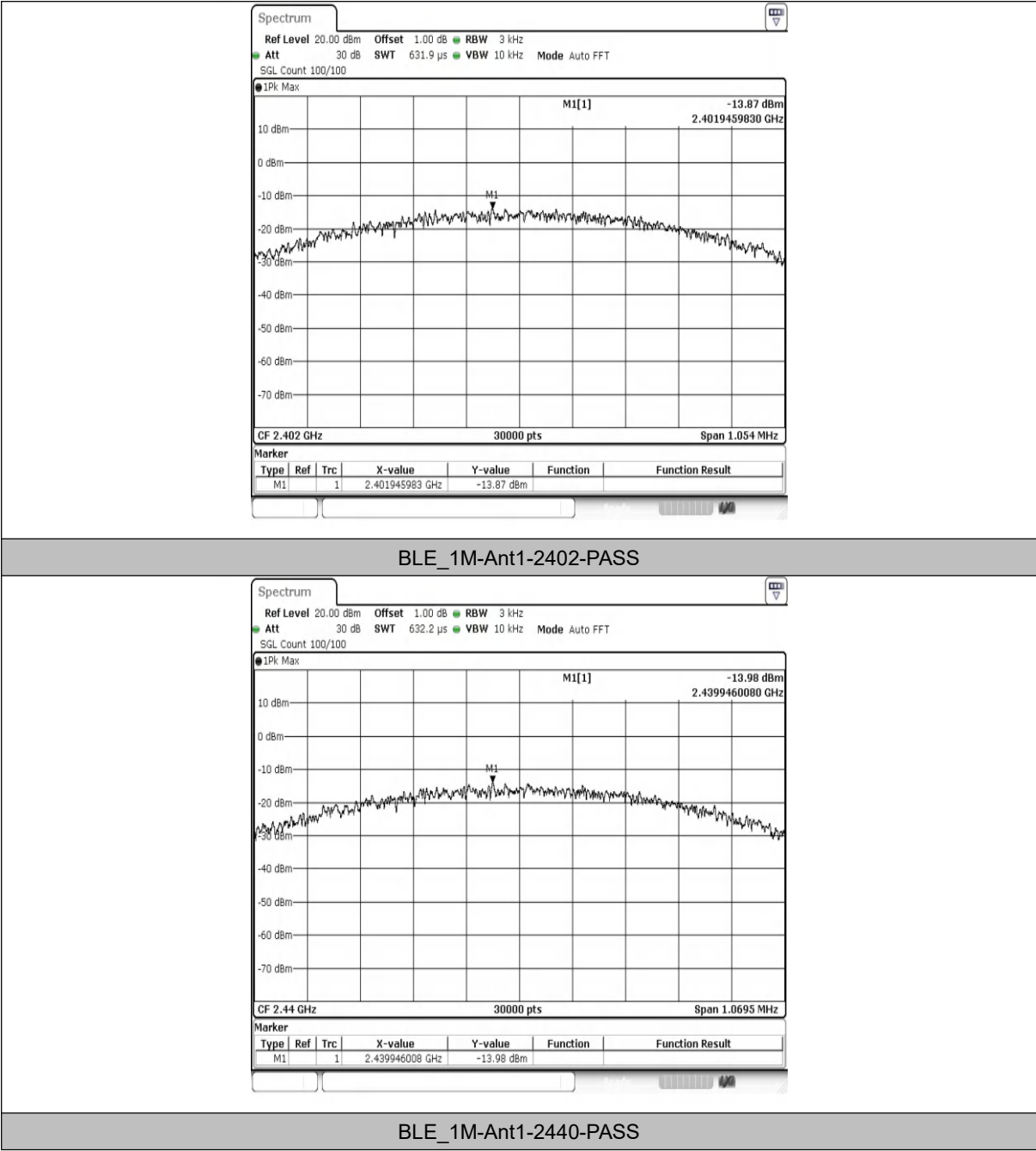
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.87	≤8.00	PASS
BLE_1M	Ant1	2440	-13.98	≤8.00	PASS
BLE_1M	Ant1	2480	-15.10	≤8.00	PASS

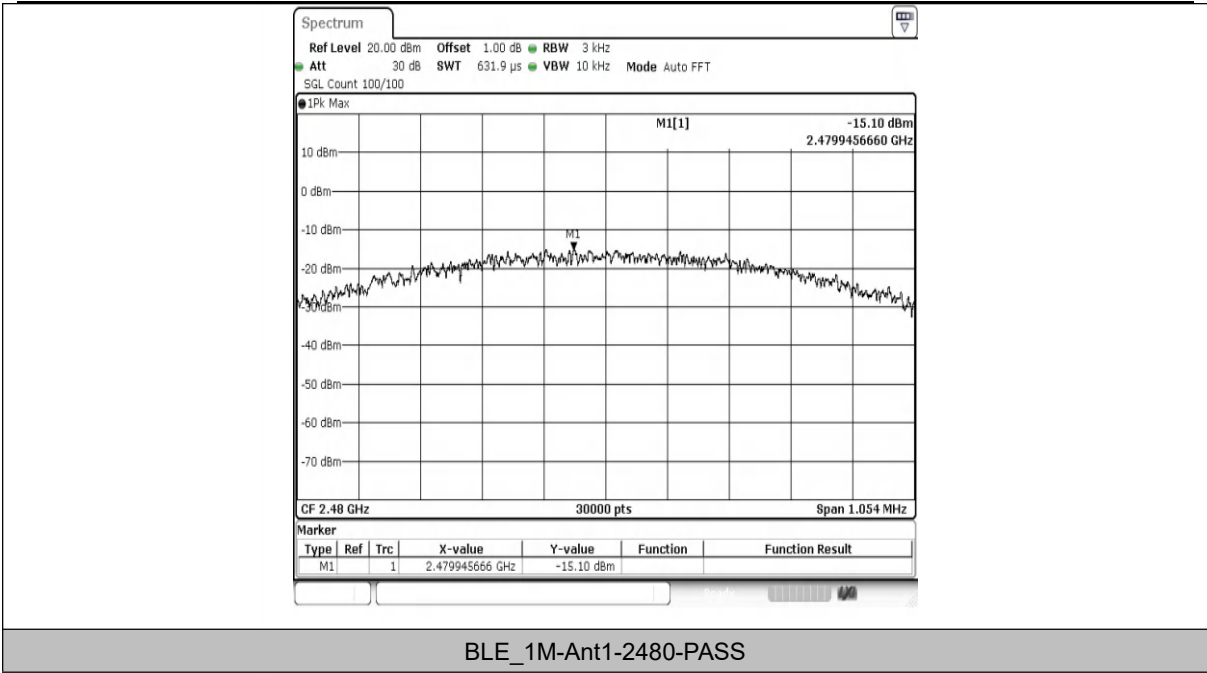
Test Graphs



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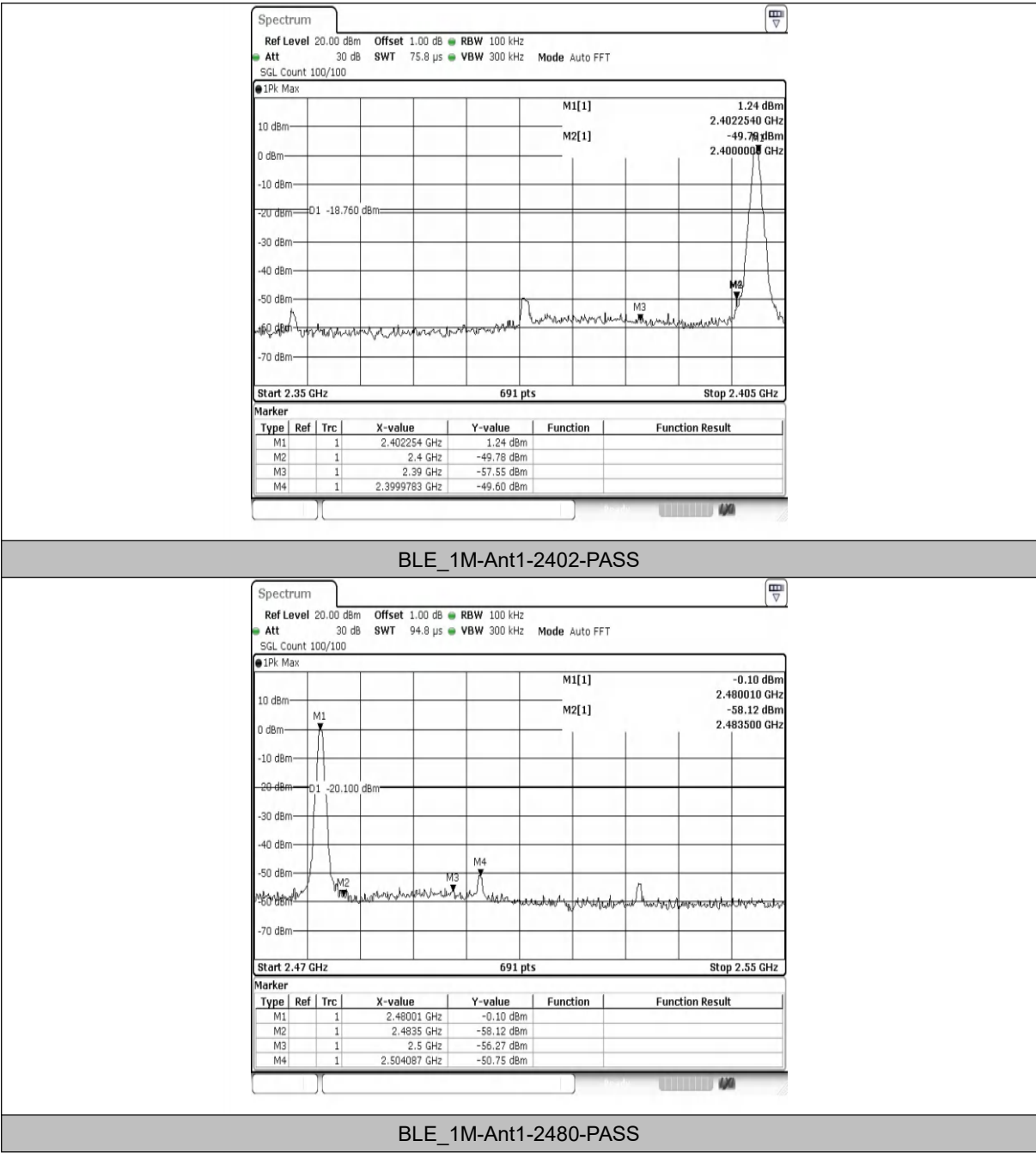
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.24	-49.6	≤-18.76	PASS
BLE_1M	Ant1	High	2480	-0.10	-50.75	≤-20.1	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



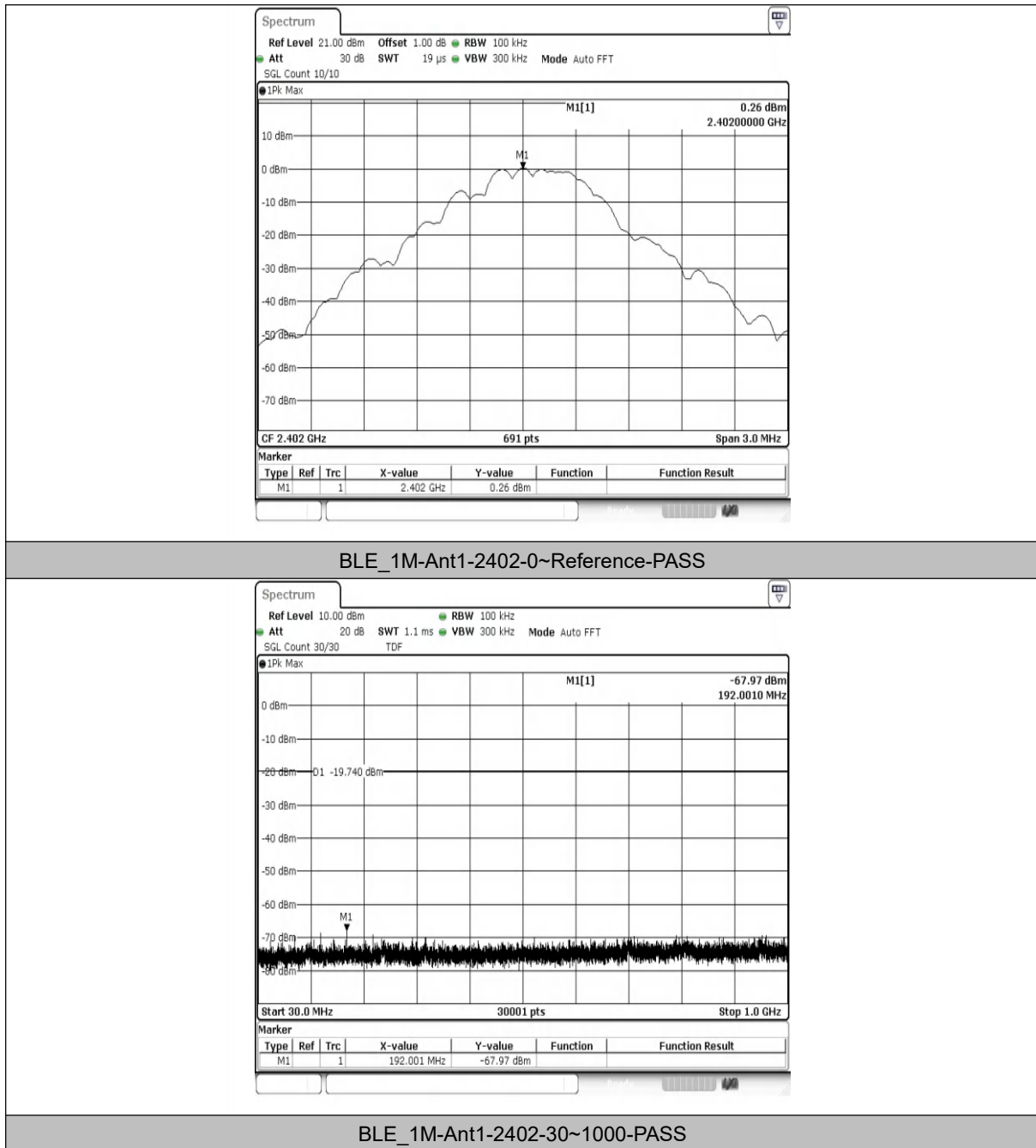
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	0.26	0.26	---	PASS
BLE_1M	Ant1	2402	30~1000	0.26	-67.97	≤-19.74	PASS
BLE_1M	Ant1	2402	1000~26500	0.26	-40.23	≤-19.74	PASS
BLE_1M	Ant1	2440	0~Reference	-0.22	-0.22	---	PASS
BLE_1M	Ant1	2440	30~1000	-0.22	-54.32	≤-20.22	PASS
BLE_1M	Ant1	2440	1000~26500	-0.22	-38.73	≤-20.22	PASS
BLE_1M	Ant1	2480	0~Reference	-1.12	-1.12	---	PASS
BLE_1M	Ant1	2480	30~1000	-1.12	-66.37	≤-21.12	PASS
BLE_1M	Ant1	2480	1000~26500	-1.12	-37.23	≤-21.12	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.

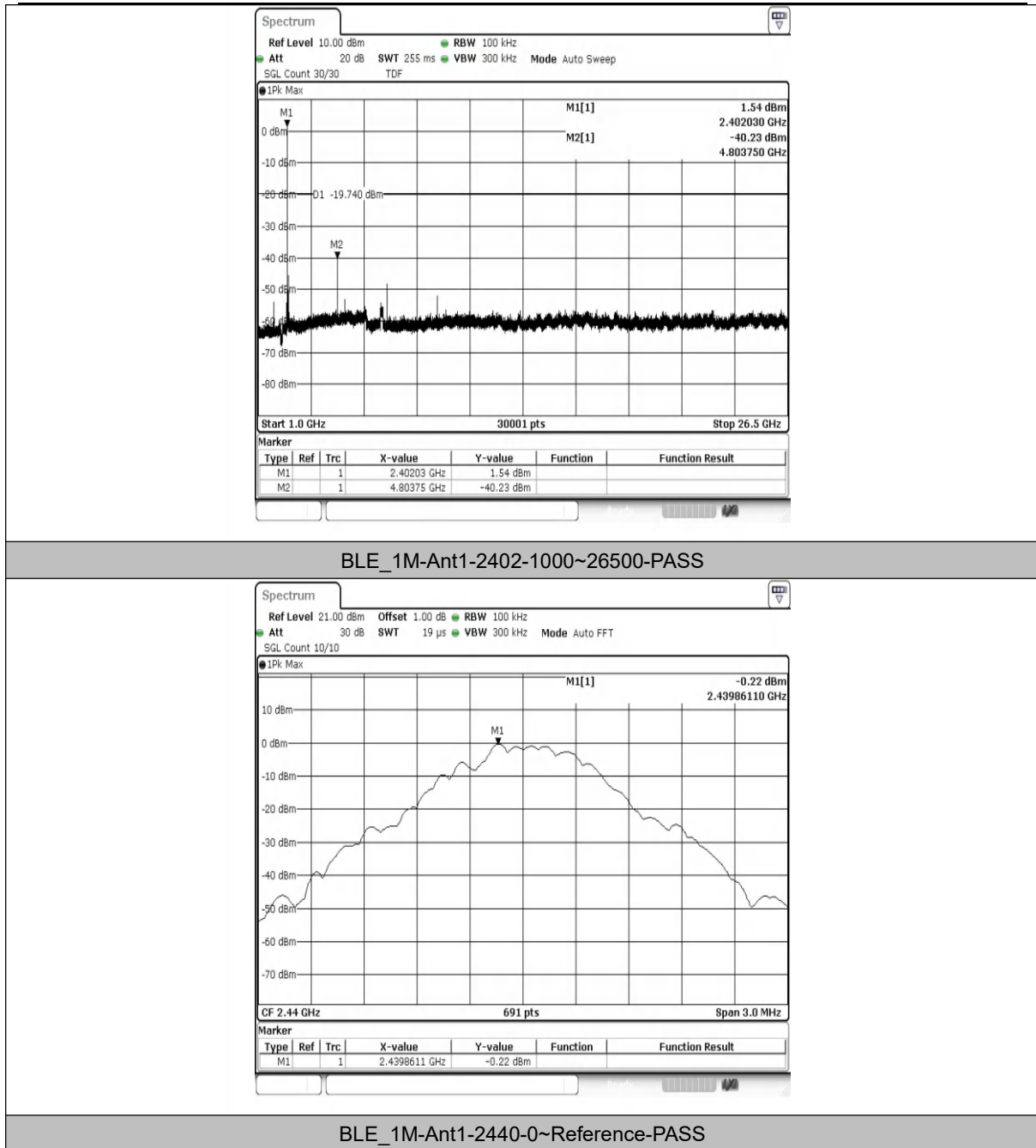
Test Graphs



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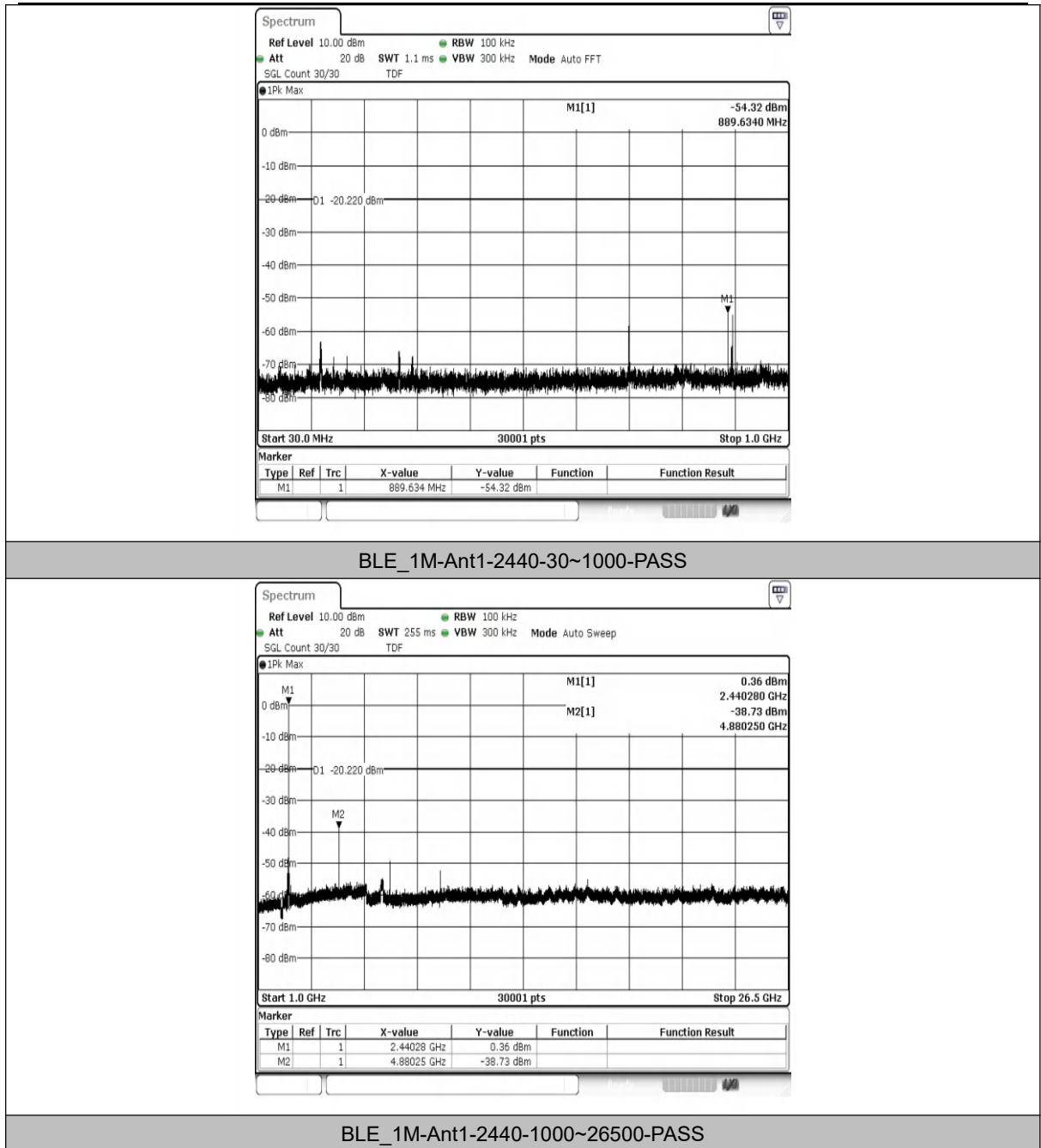
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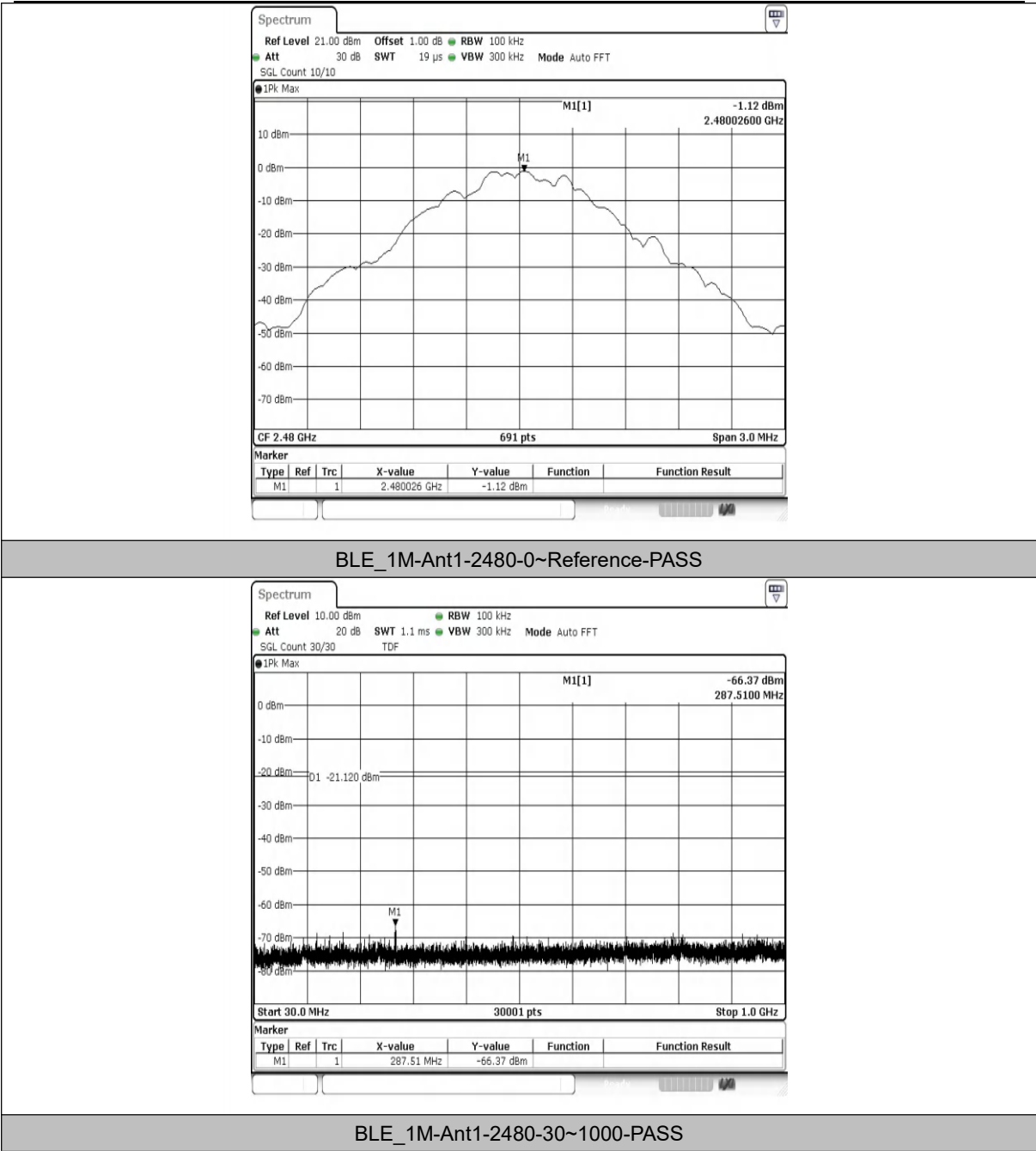
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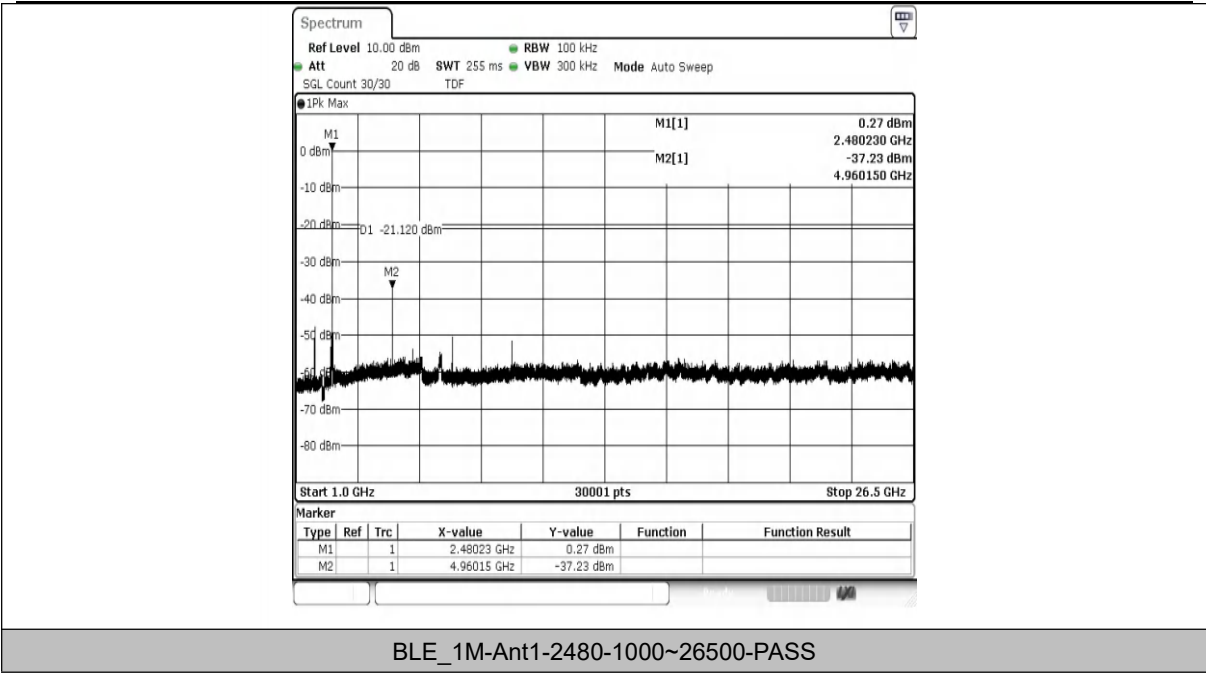
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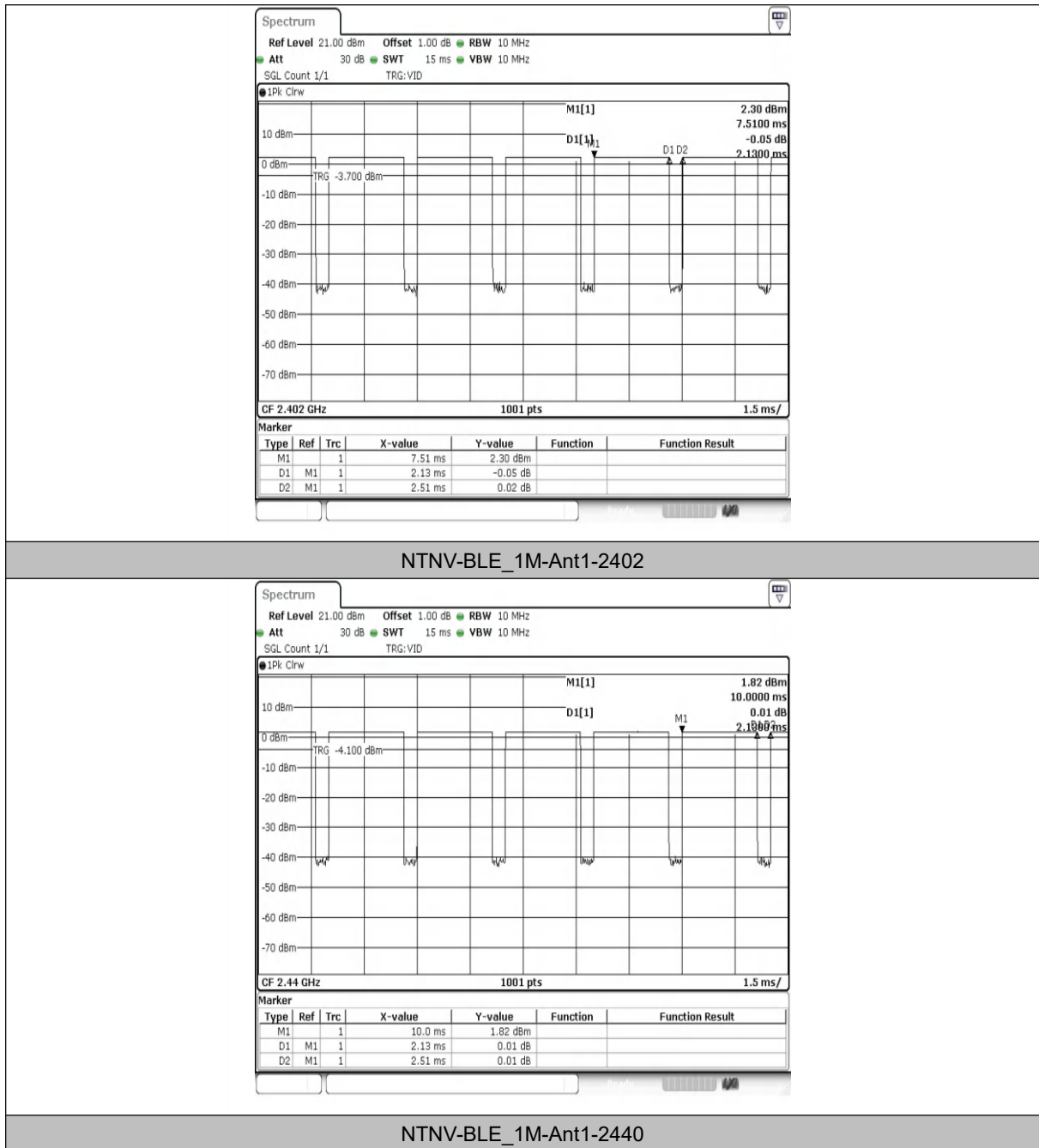
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Appendix G: Duty Cycle

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	2.51	84.86	0.71
BLE_1M	Ant1	2480	2.13	2.50	85.20	0.70

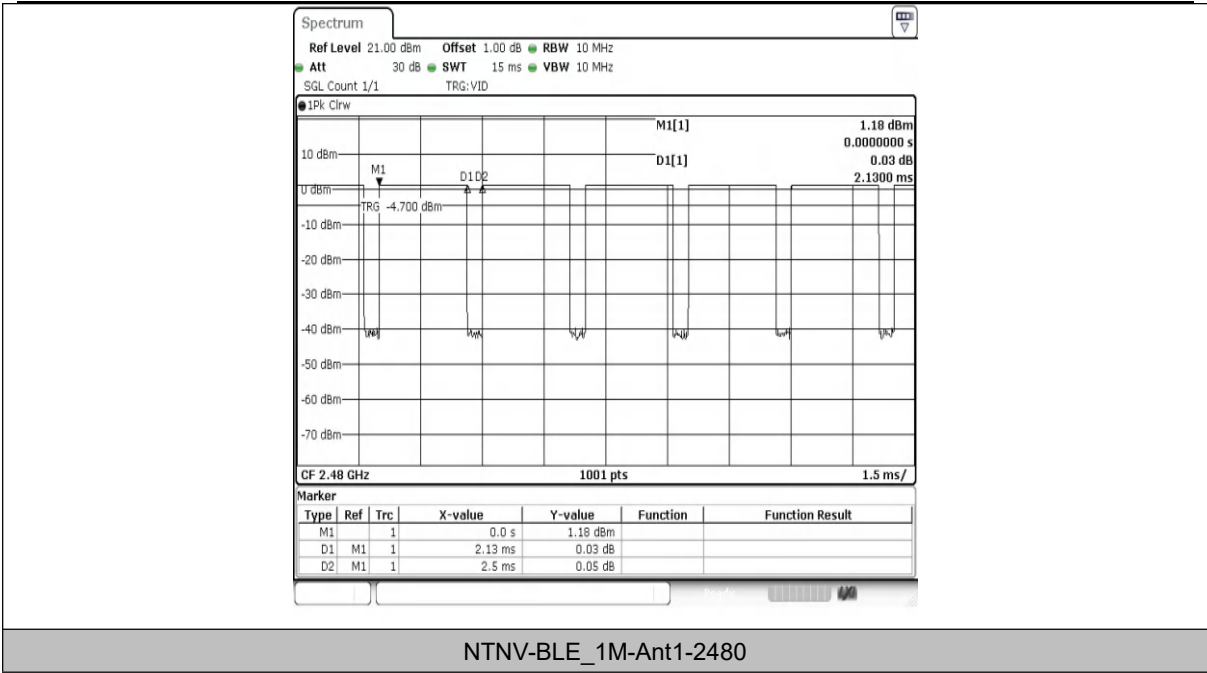
Test Graphs



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