

Appendix Test Data

Report No.:	1812C50353712502-01	Test Sample No.:	1-2-2
Start Test Date:	2025-7-21	Finish Test Date:	2025-8-19
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	26.3°C	Relative Humidity:	55%
Pressure:	101kPa		

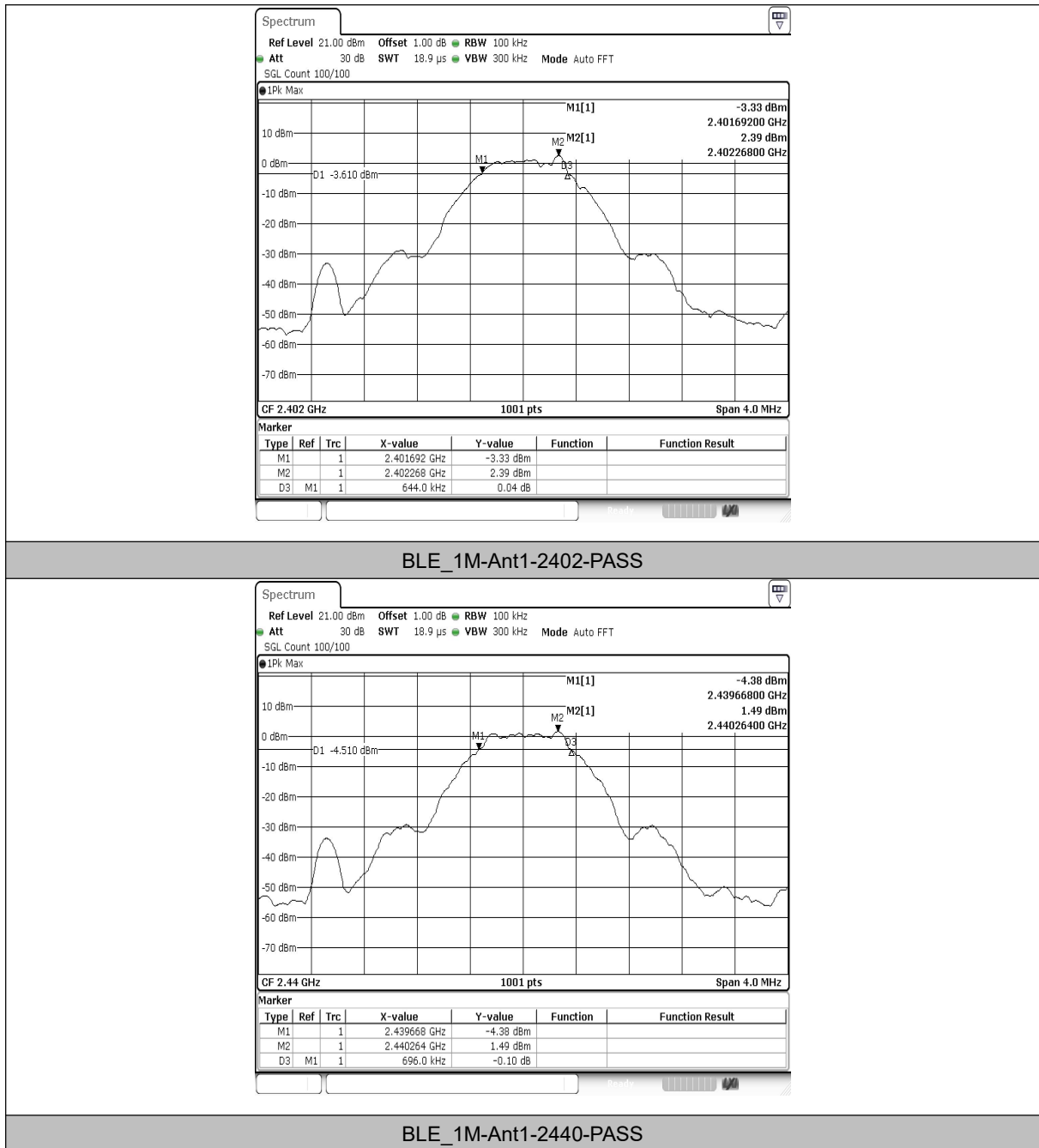


Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.64	2401.69	2402.34	0.5	PASS
BLE_1M	Ant1	2440	0.70	2439.67	2440.36	0.5	PASS
BLE_1M	Ant1	2480	0.66	2479.69	2480.34	0.5	PASS

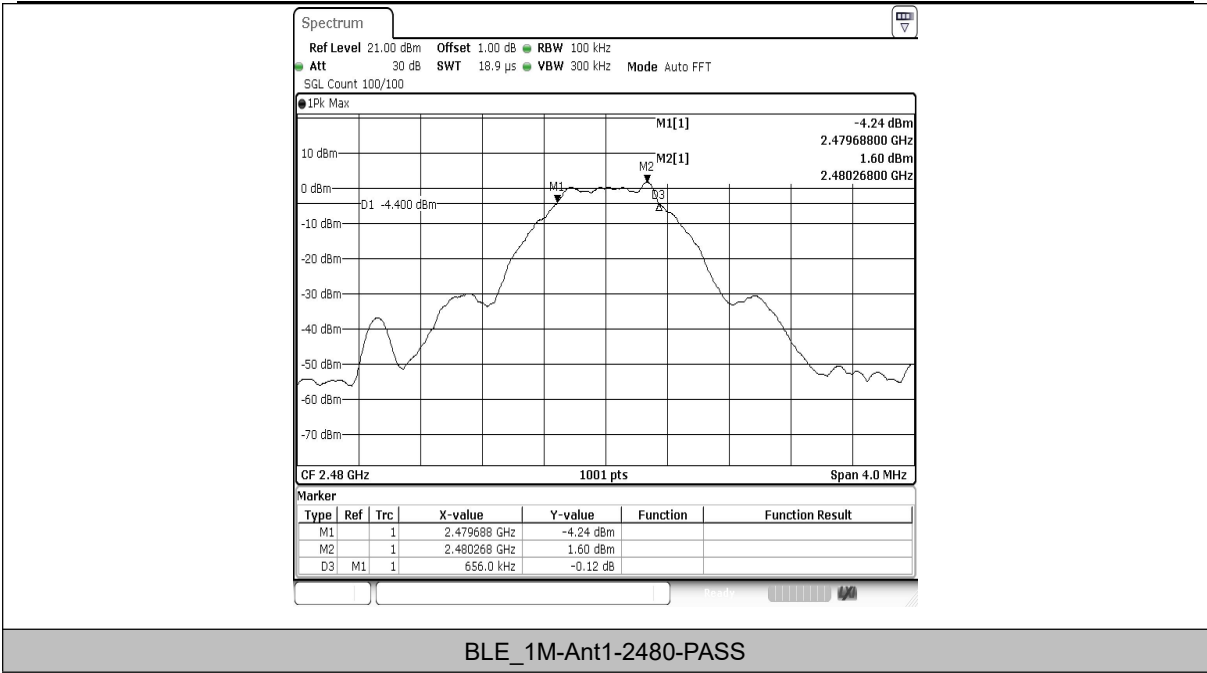
Test Graphs



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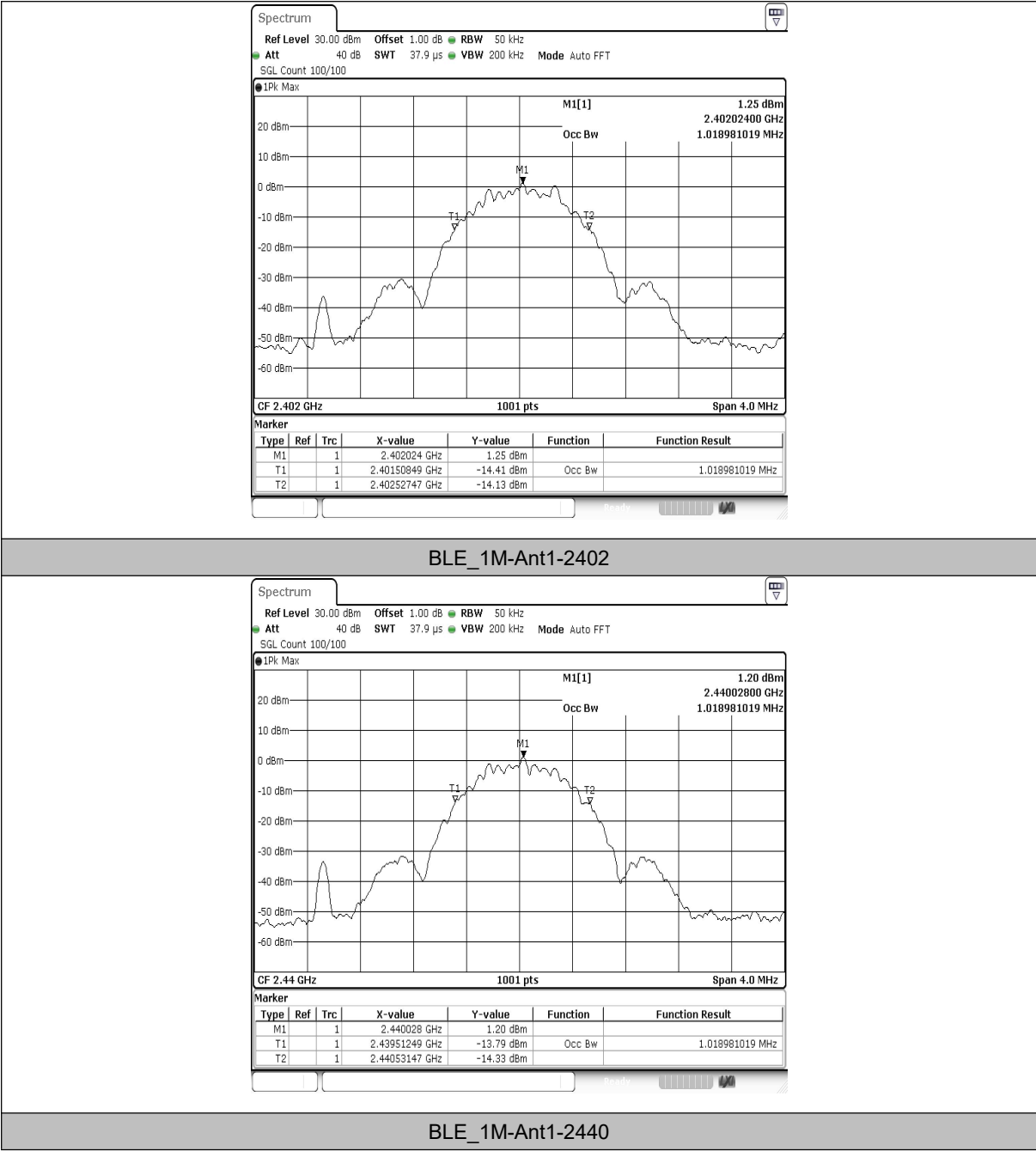
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Appendix B: 99% Occupied Bandwidth**Test Result**

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0190	2401.5085	2402.5275	---	---
BLE_1M	Ant1	2440	1.0190	2439.5125	2440.5315	---	---
BLE_1M	Ant1	2480	1.0230	2479.5085	2480.5315	---	---

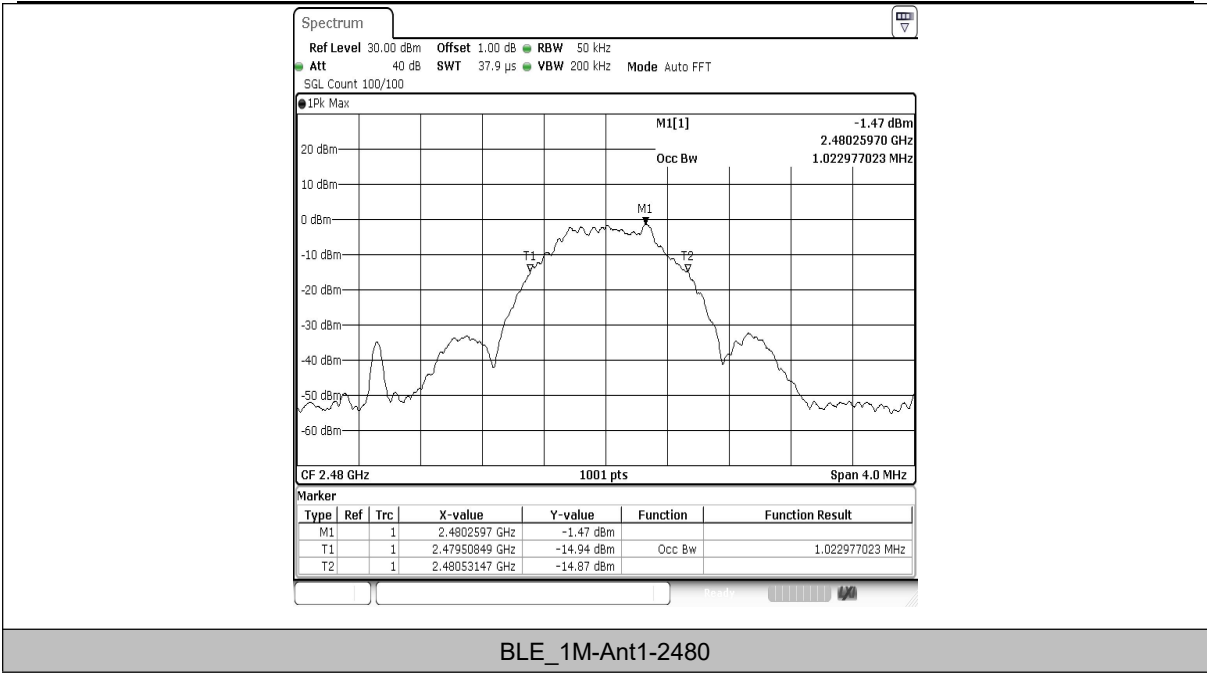
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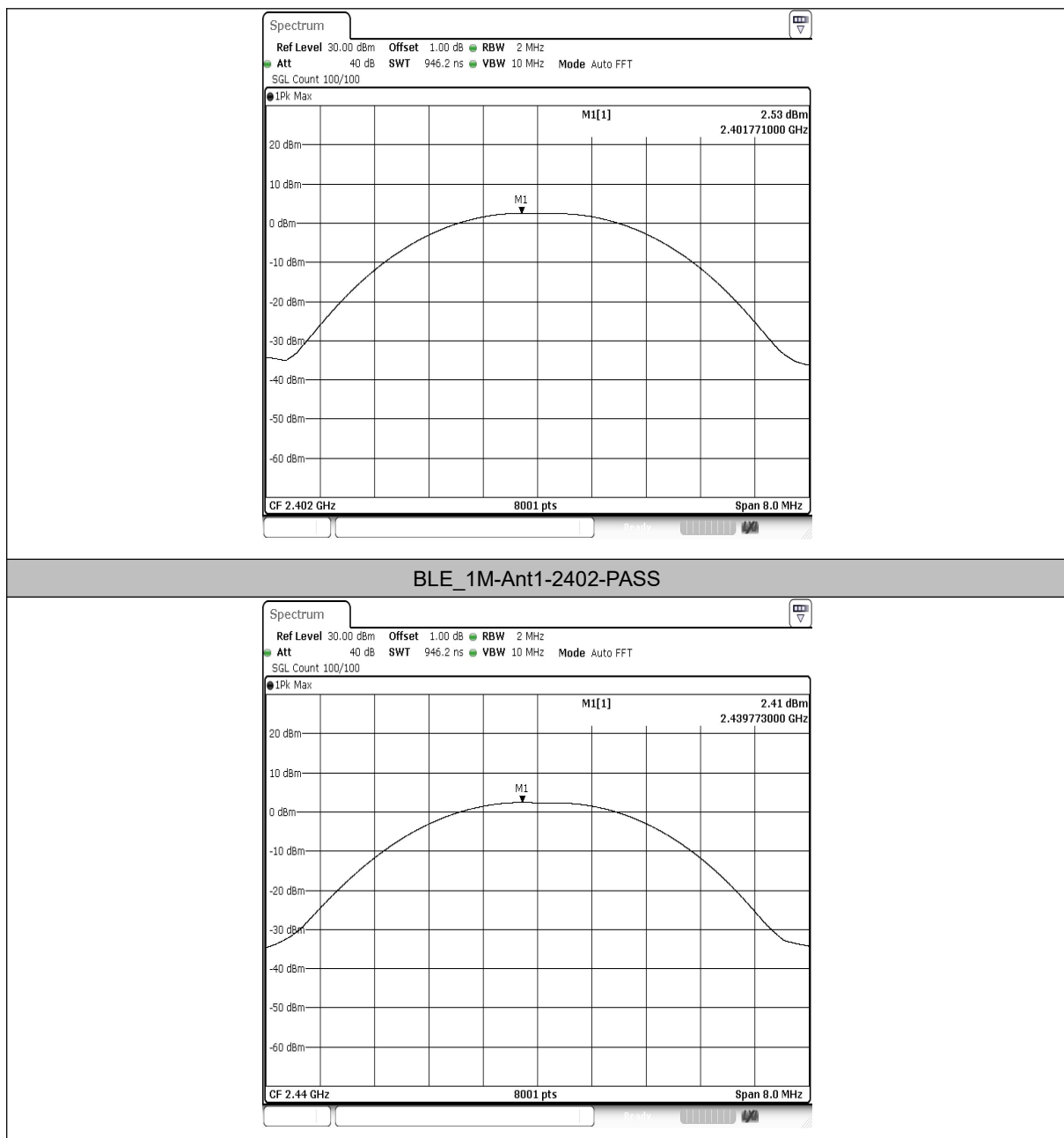
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.53	≤30	PASS
BLE_1M	Ant1	2440	2.41	≤30	PASS
BLE_1M	Ant1	2480	1.73	≤30	PASS

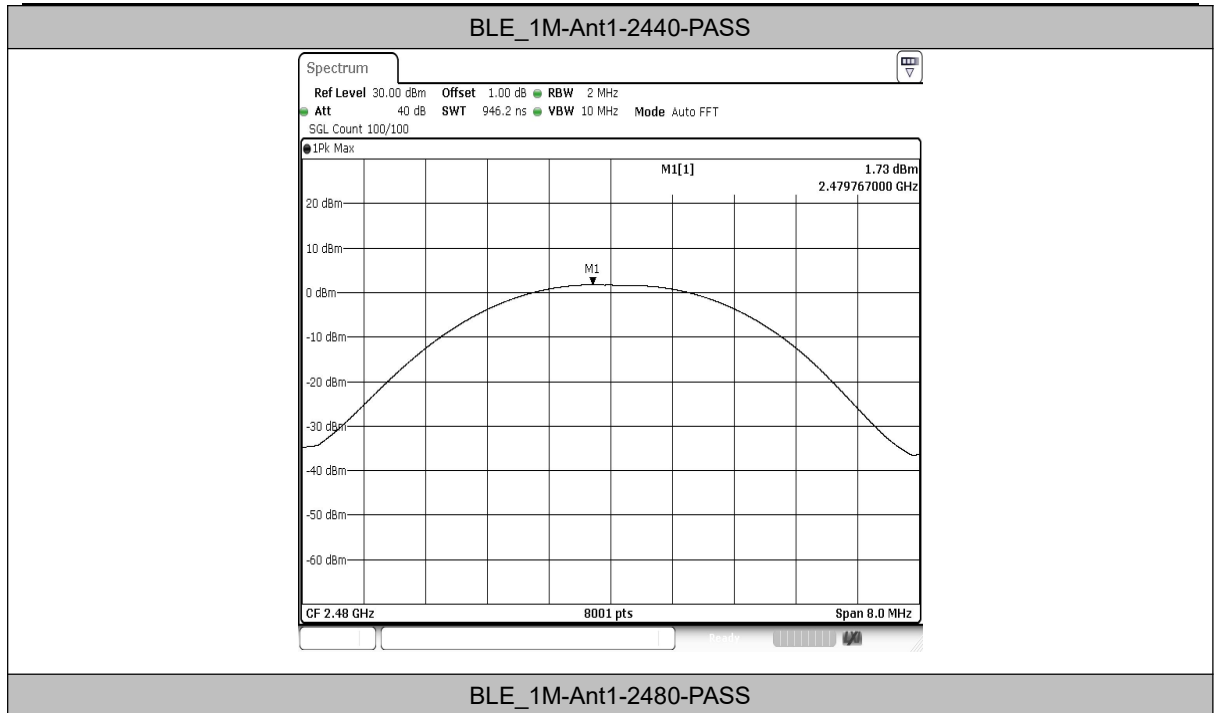
Test Graphs Peak



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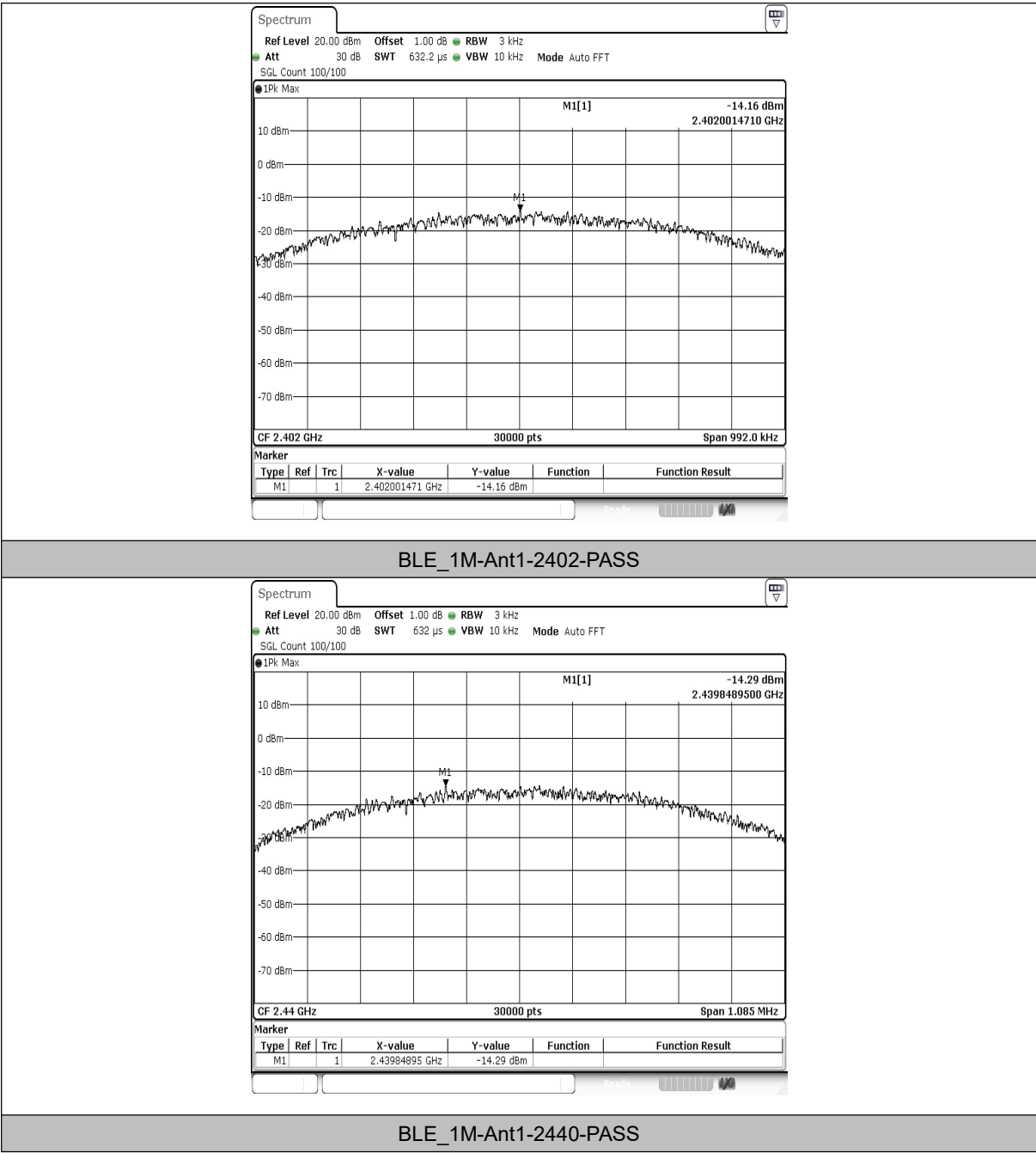
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.16	≤8.00	PASS
BLE_1M	Ant1	2440	-14.29	≤8.00	PASS
BLE_1M	Ant1	2480	-14.83	≤8.00	PASS

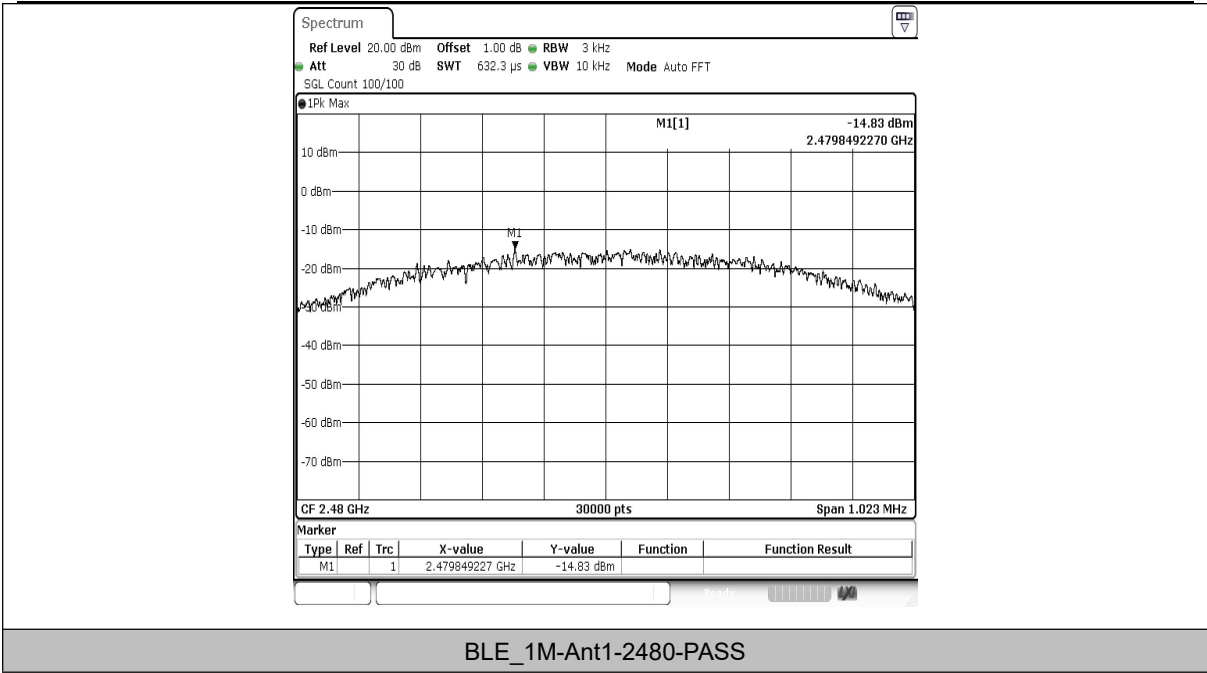
Test Graphs



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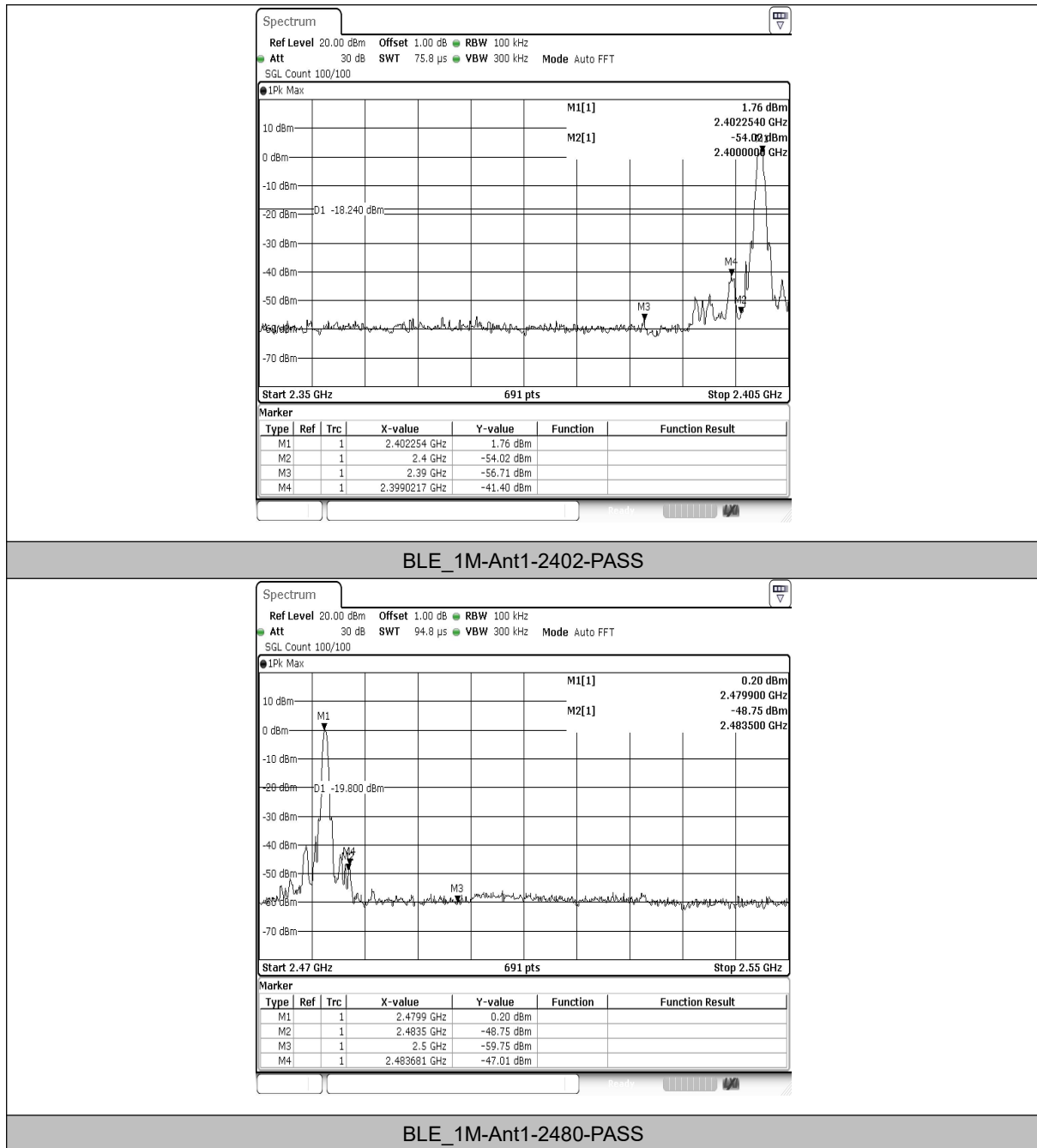
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.76	-41.4	≤-18.24	PASS
BLE_1M	Ant1	High	2480	0.20	-47.01	≤-19.8	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



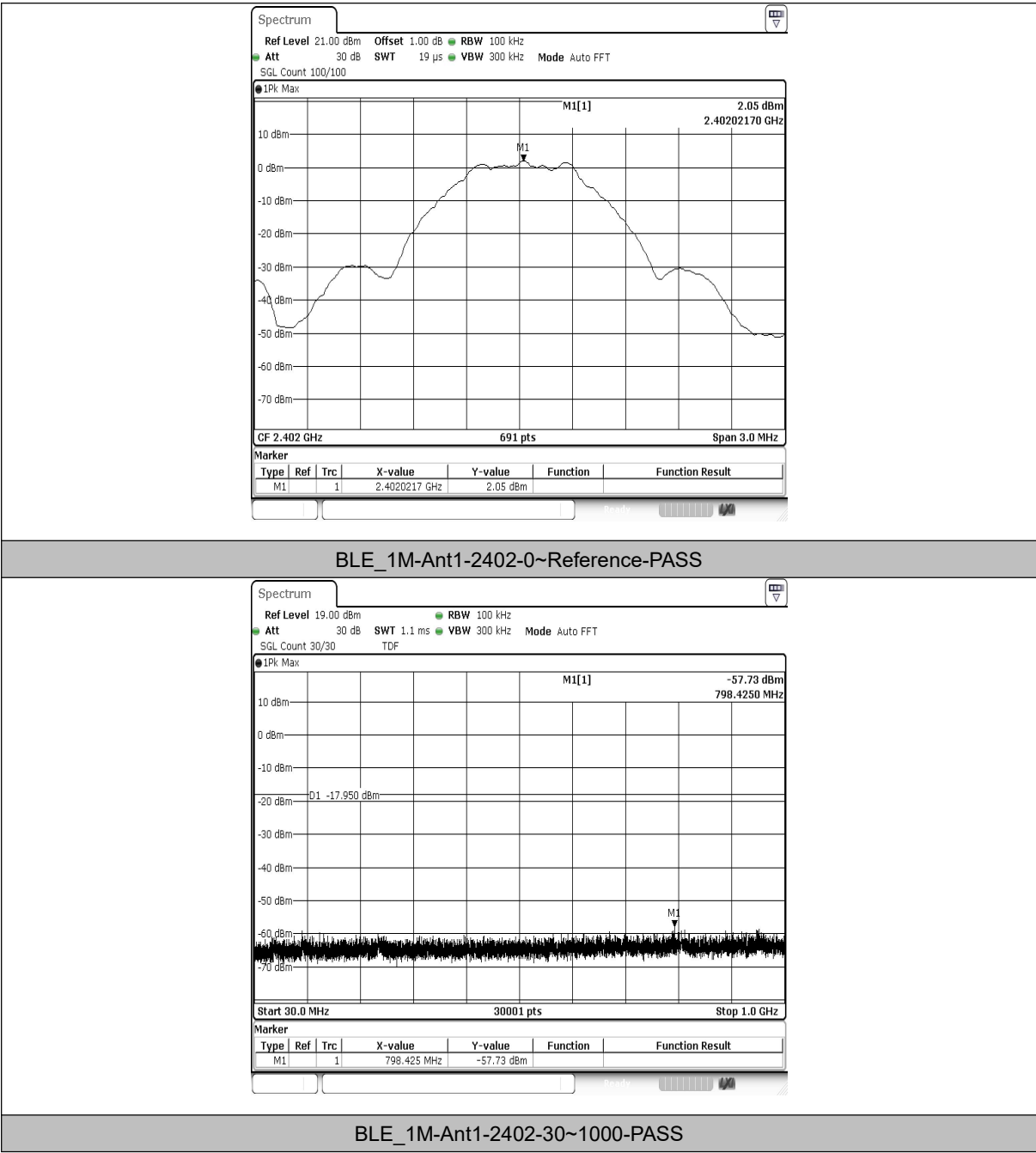
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	2.05	2.05	---	PASS
BLE_1M	Ant1	2402	30~1000	2.05	-57.73	≤-17.95	PASS
BLE_1M	Ant1	2402	1000~26500	2.05	-43.67	≤-17.95	PASS
BLE_1M	Ant1	2440	0~Reference	1.10	1.10	---	PASS
BLE_1M	Ant1	2440	30~1000	1.10	-58.62	≤-18.9	PASS
BLE_1M	Ant1	2440	1000~26500	1.10	-44.22	≤-18.9	PASS
BLE_1M	Ant1	2480	0~Reference	1.32	1.32	---	PASS
BLE_1M	Ant1	2480	30~1000	1.32	-58.26	≤-18.68	PASS
BLE_1M	Ant1	2480	1000~26500	1.32	-43.76	≤-18.68	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.

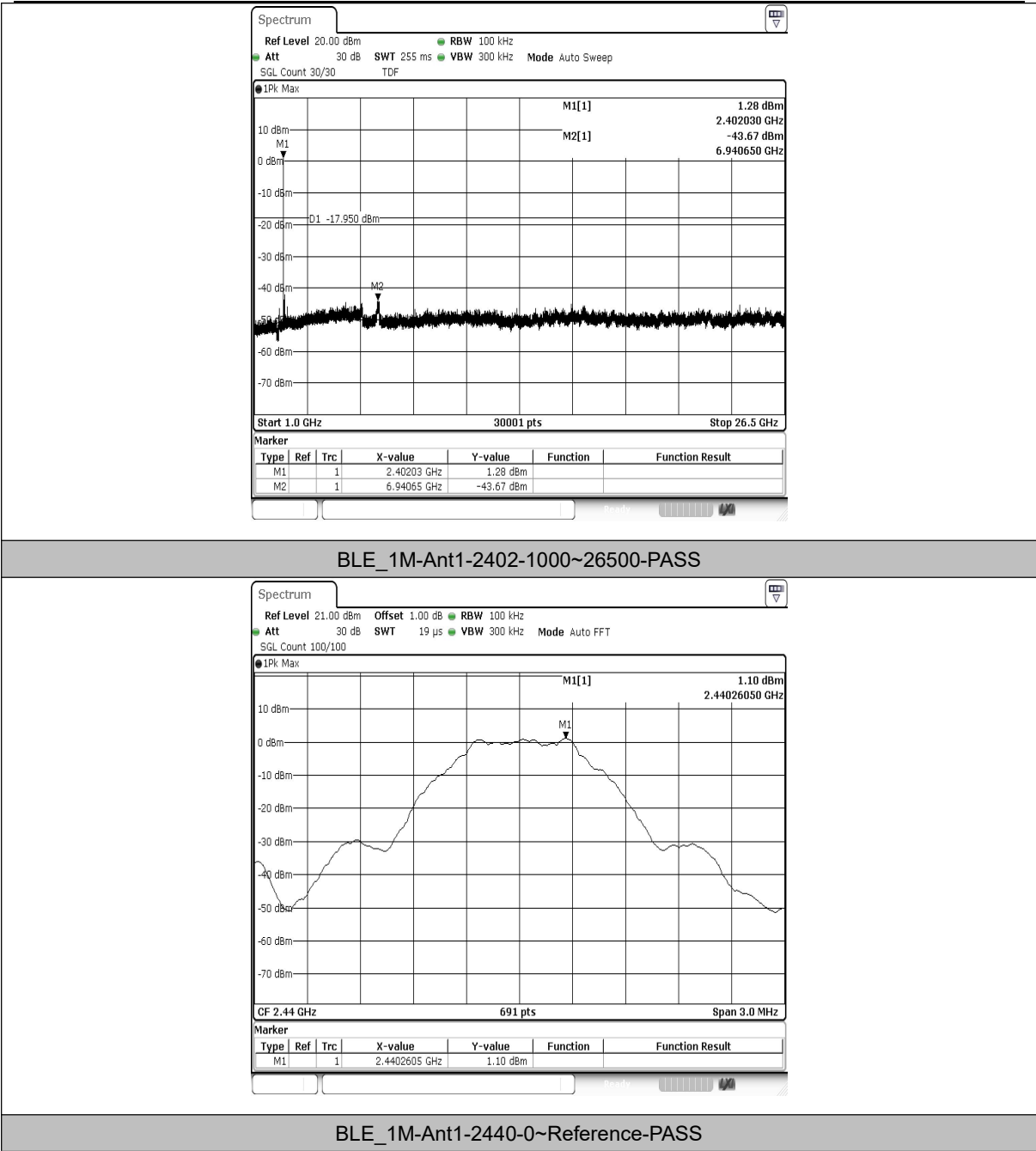
Test Graphs



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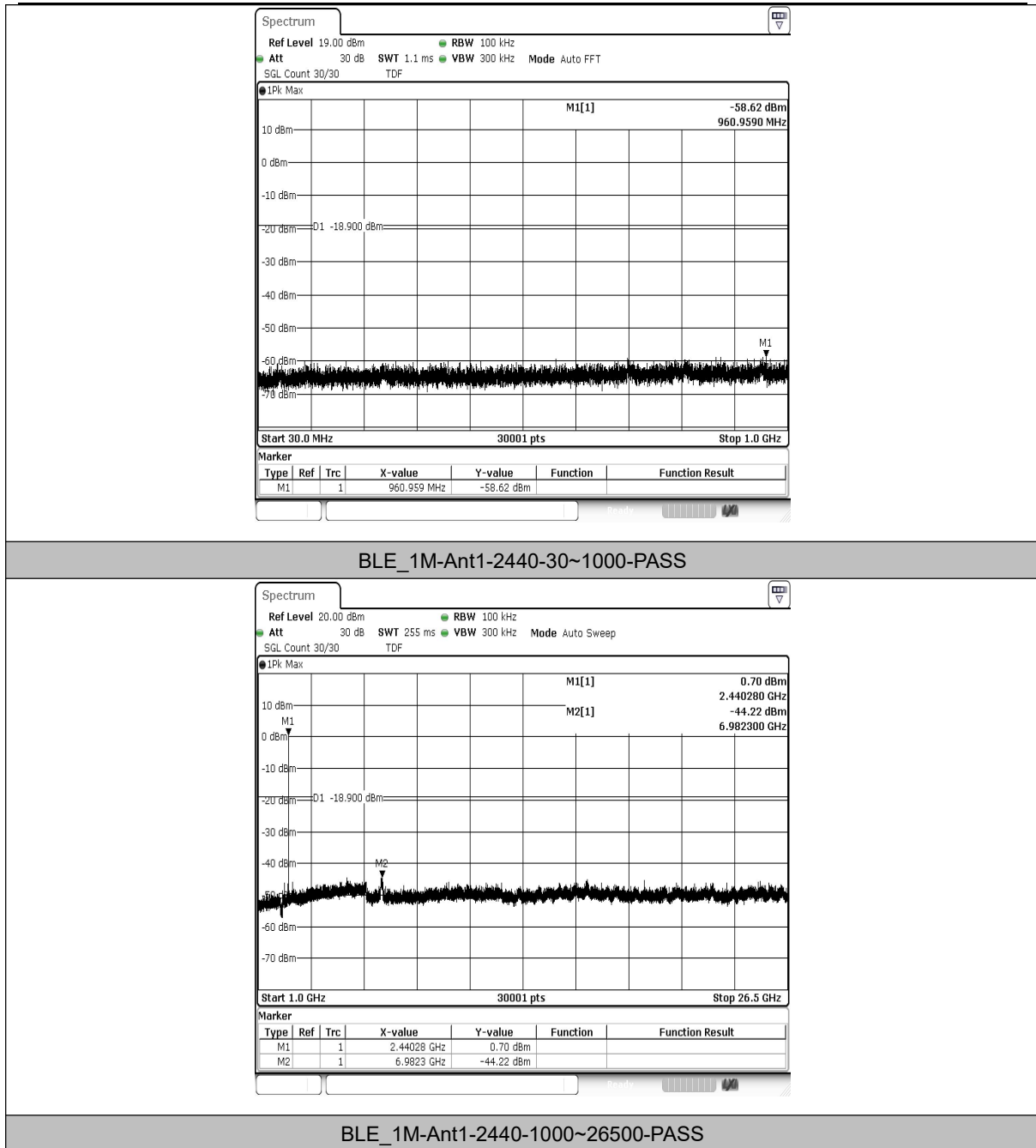
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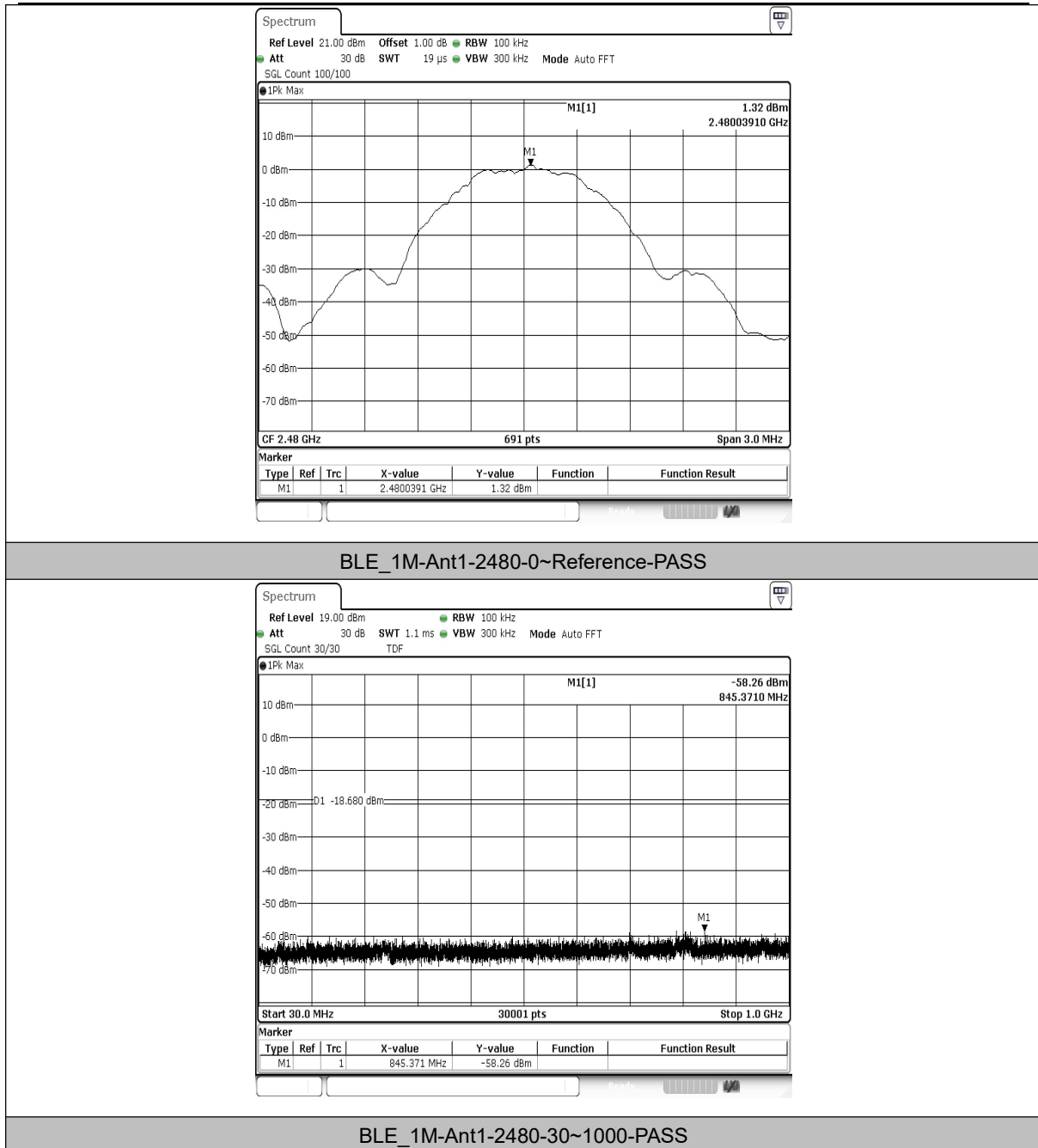
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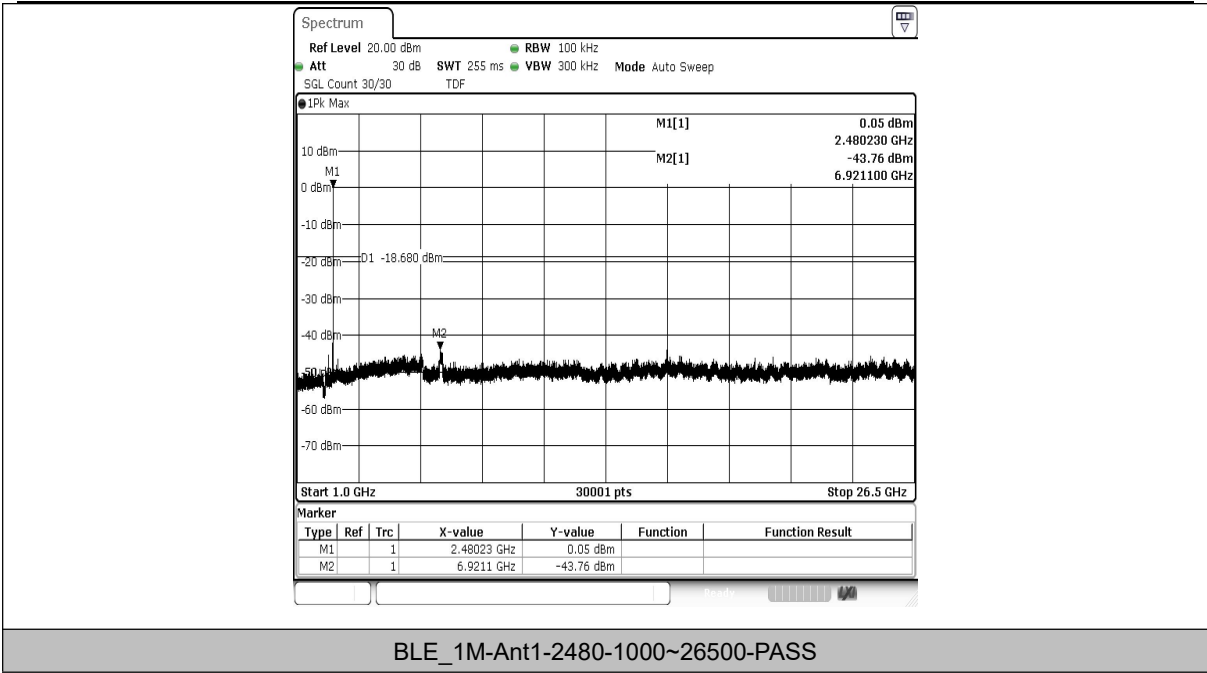
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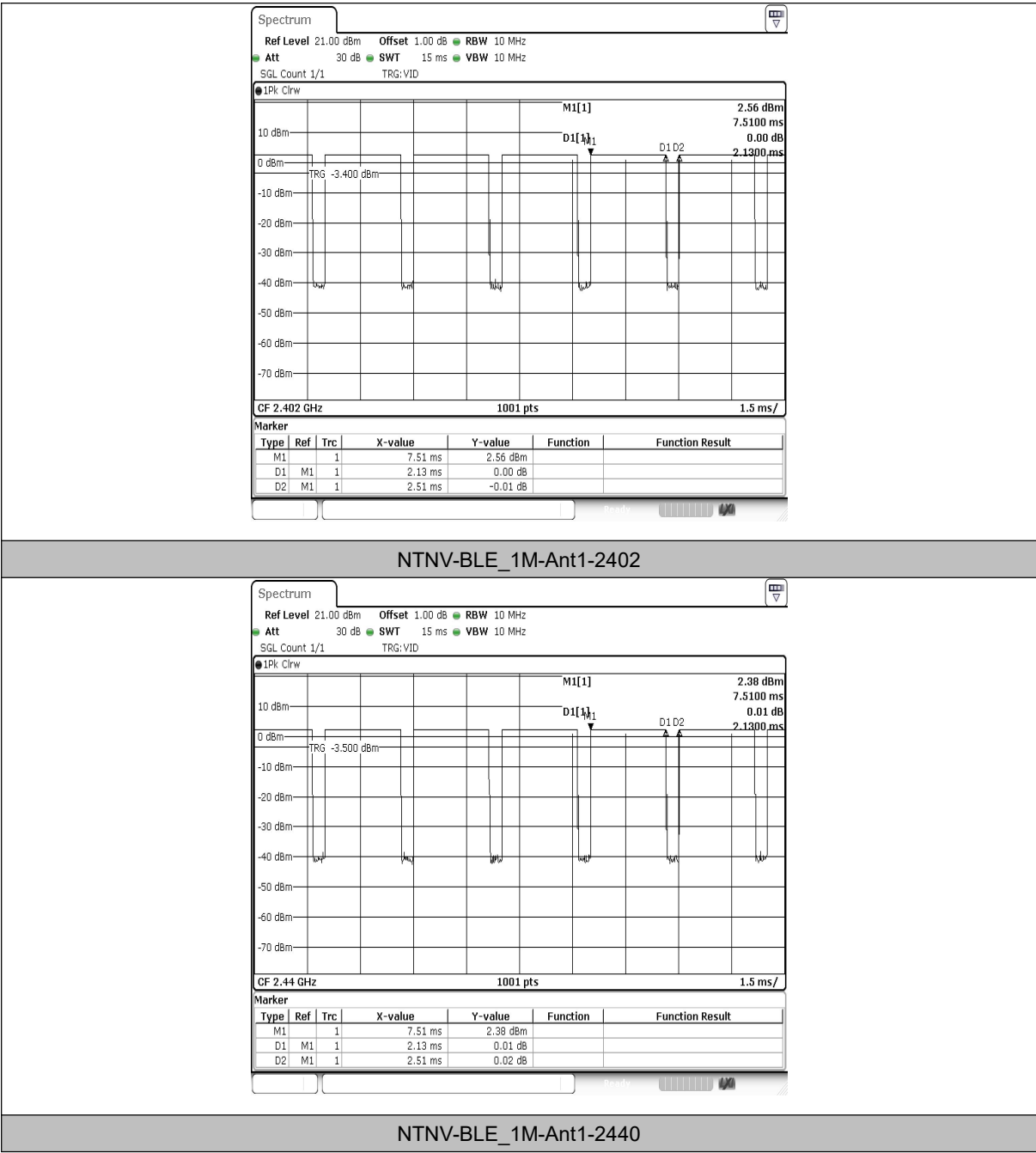
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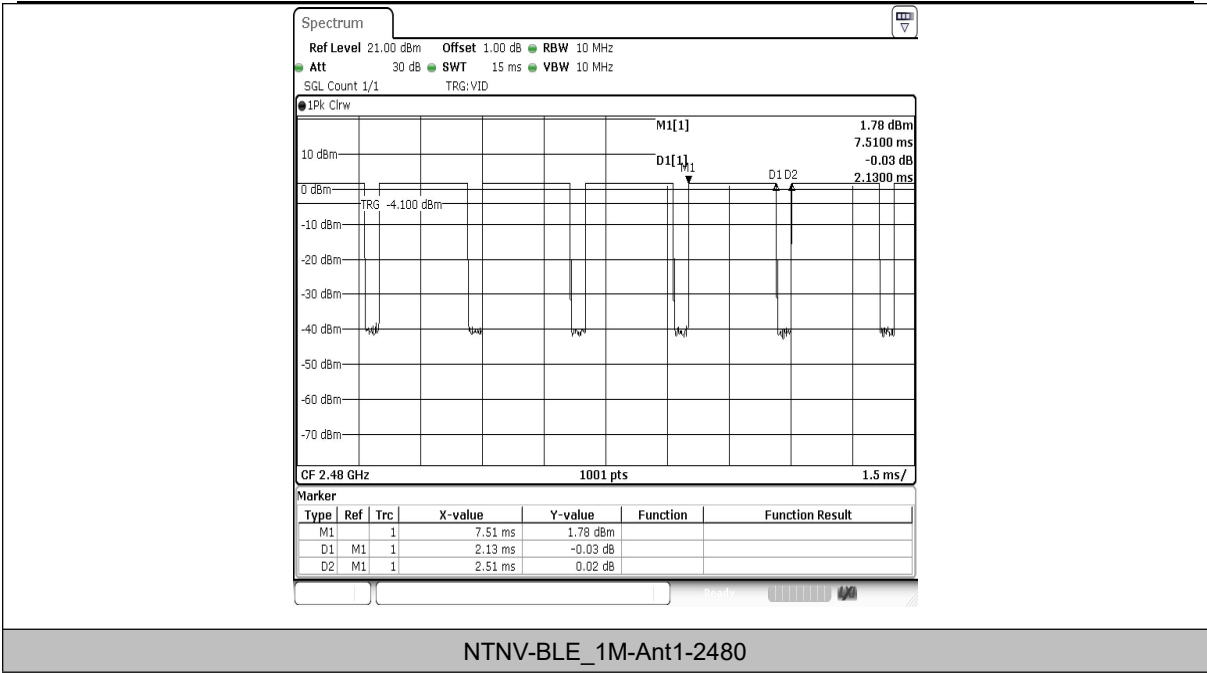
Appendix G: Duty Cycle

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	2.51	84.86	0.71

Test Graphs





---End---