

Appendix Test Data

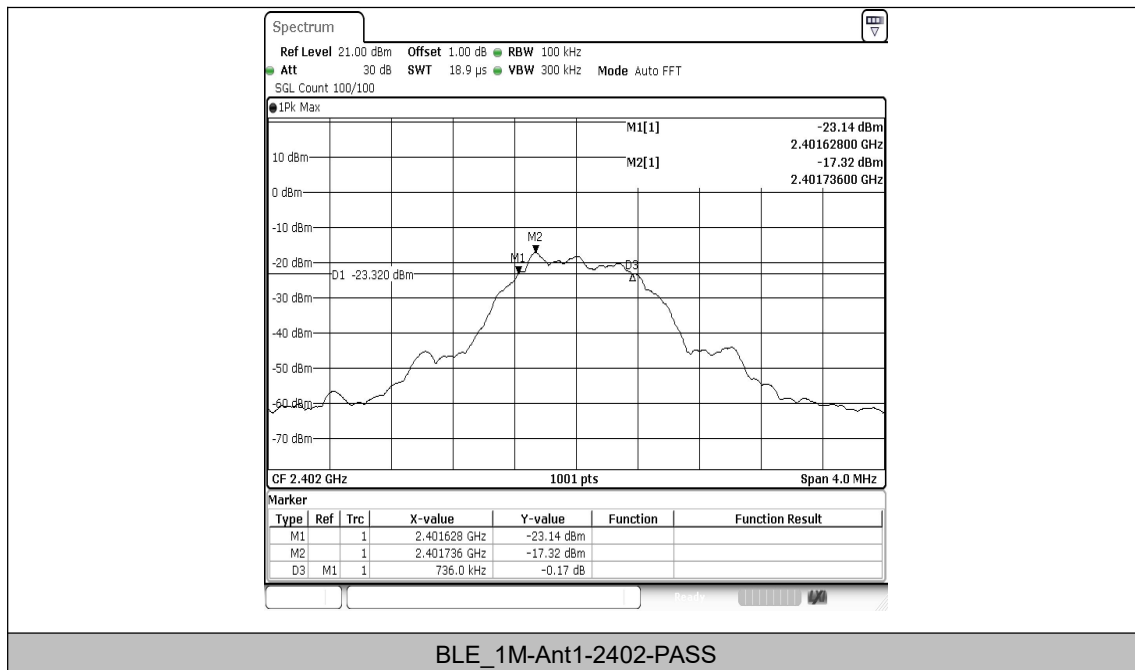
Report No.:	1813C50303812501	Test Sample No.:	1-2-2
Start Test Date:	2025-7-4	Finish Test Date:	2025-7-30
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	26.0°C	Relative Humidity:	47%
Pressure:	101kPa		

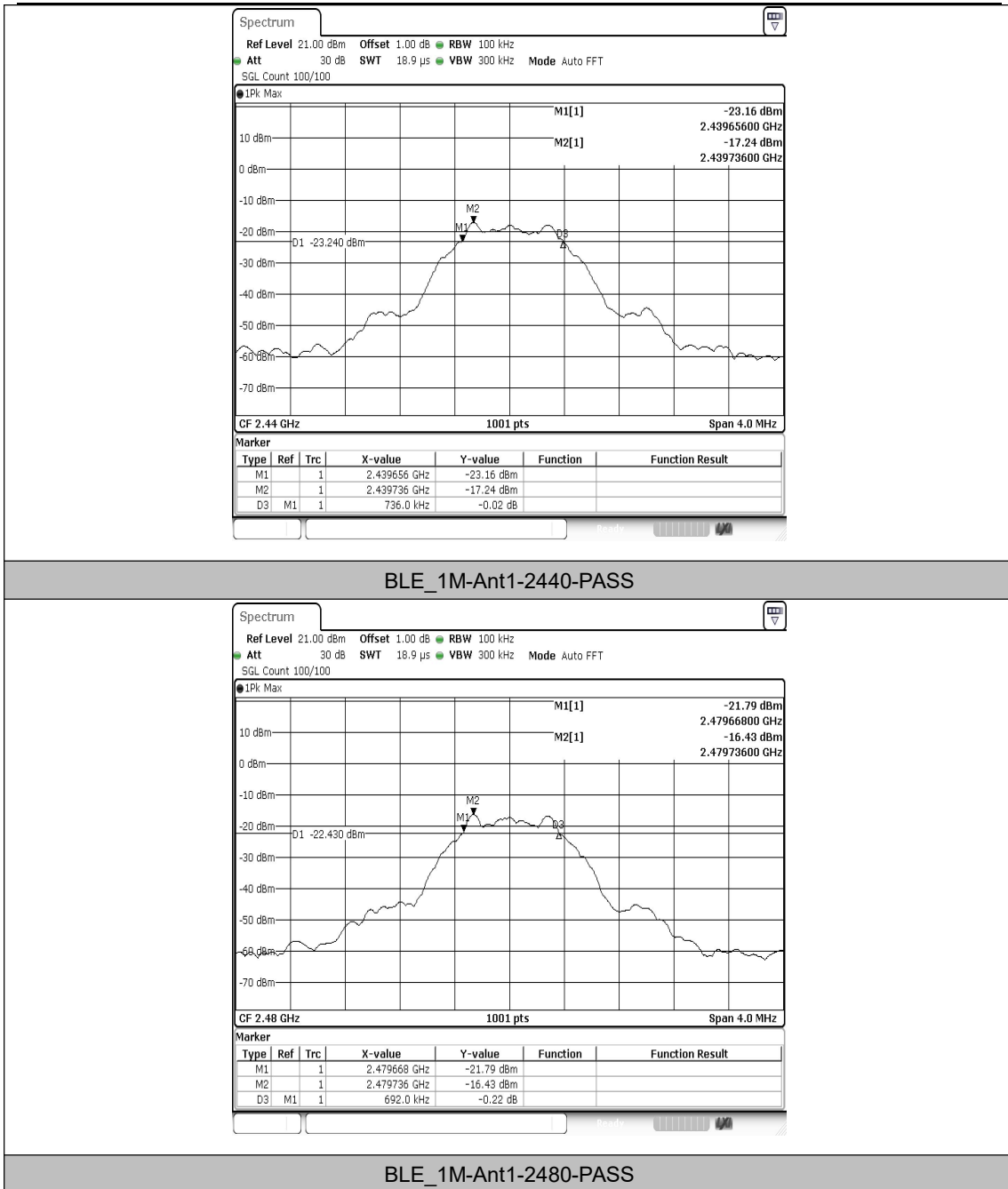
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.74	2401.63	2402.36	0.5	PASS
BLE_1M	Ant1	2440	0.74	2439.66	2440.39	0.5	PASS
BLE_1M	Ant1	2480	0.69	2479.67	2480.36	0.5	PASS

Test Graphs





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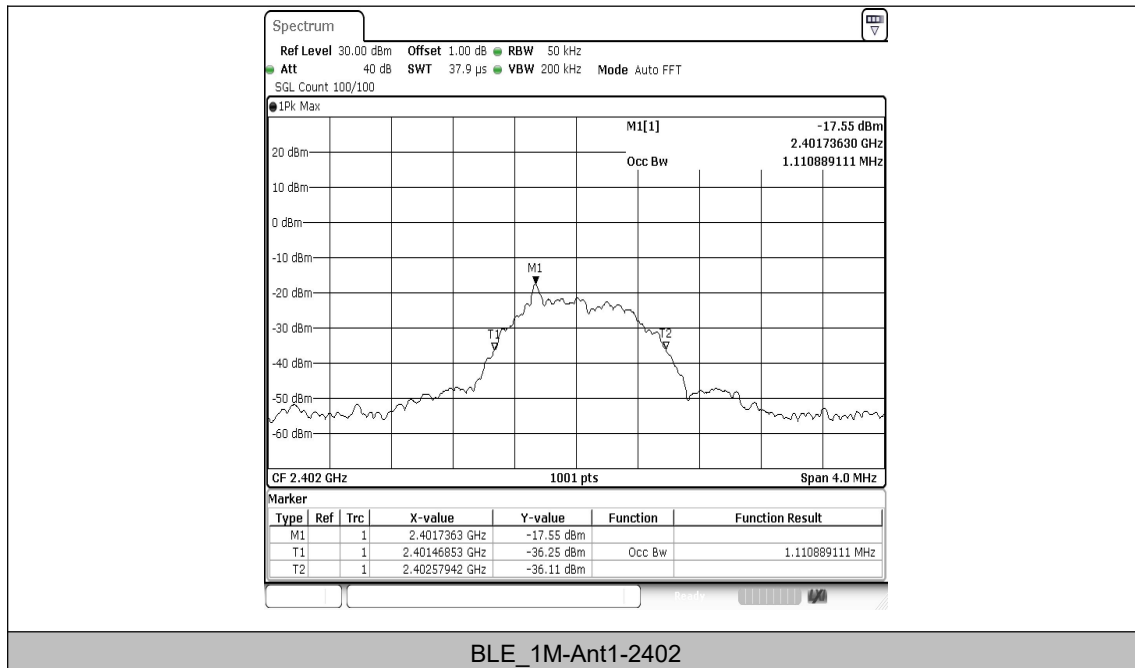
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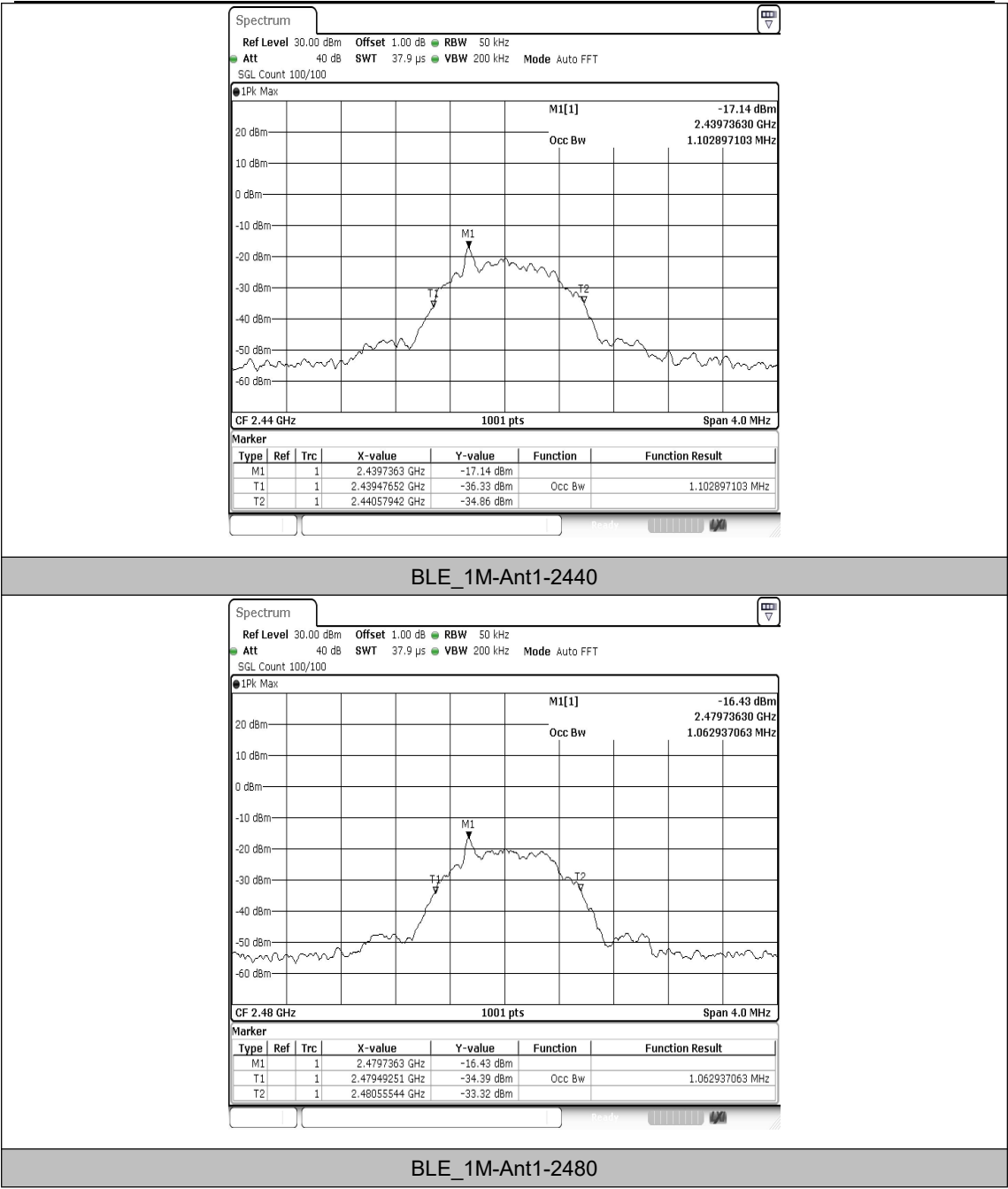
Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.1109	2401.4685	2402.5794	---	---
BLE_1M	Ant1	2440	1.1029	2439.4765	2440.5794	---	---
BLE_1M	Ant1	2480	1.0629	2479.4925	2480.5554	---	---

Test Graphs



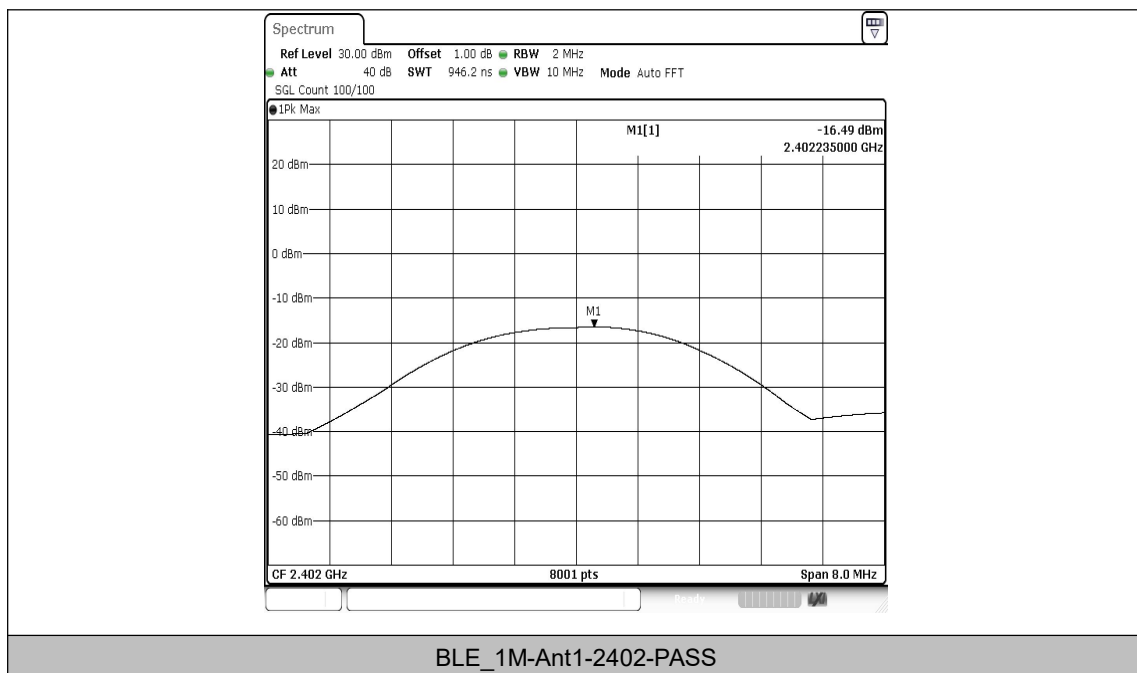


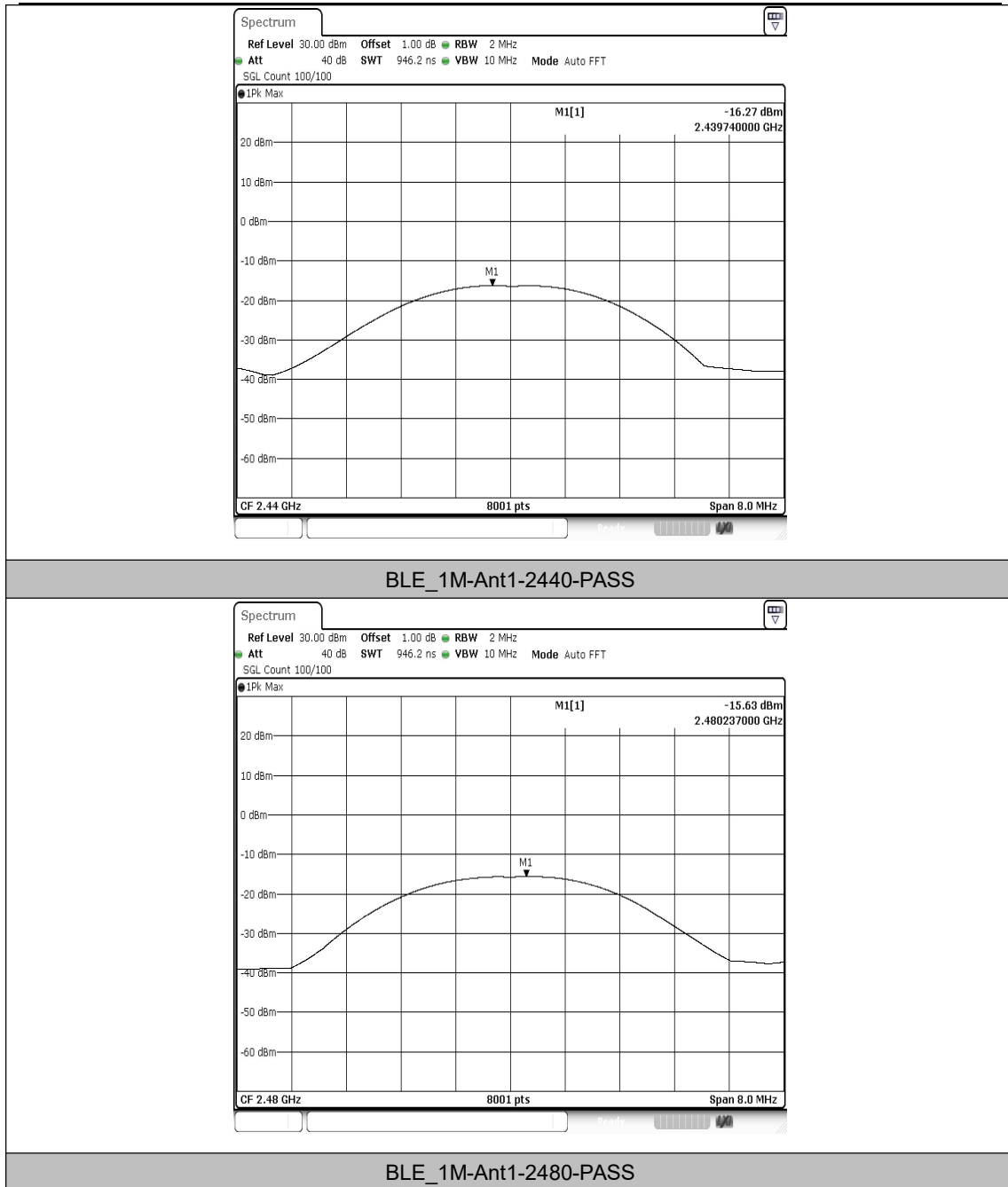
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-16.49	≤30	PASS
BLE_1M	Ant1	2440	-16.27	≤30	PASS
BLE_1M	Ant1	2480	-15.63	≤30	PASS

Test Graphs Peak





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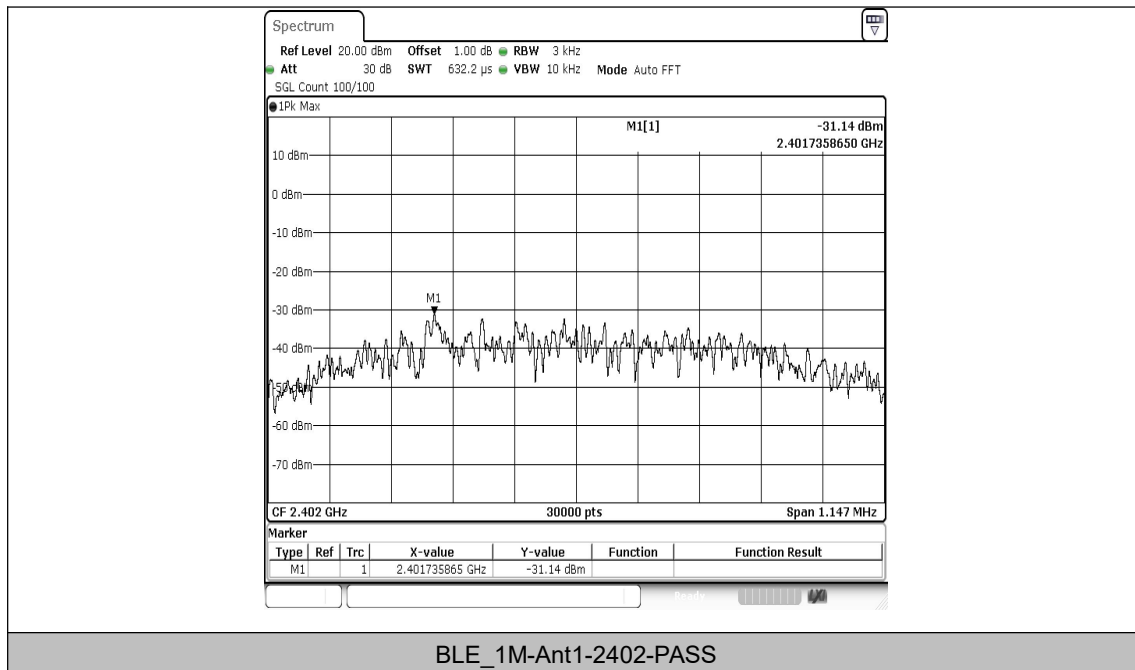
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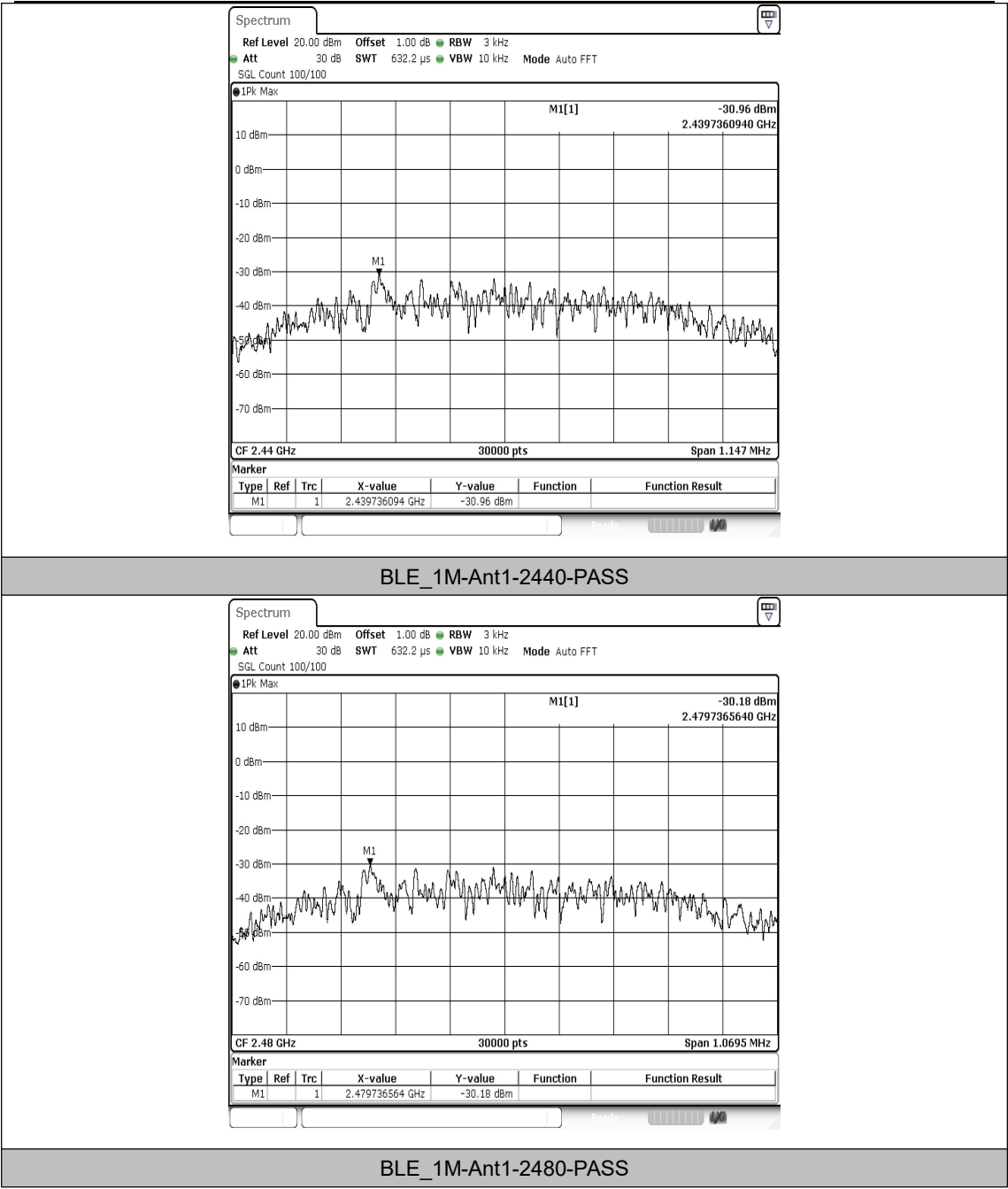
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-31.14	≤8.00	PASS
BLE_1M	Ant1	2440	-30.96	≤8.00	PASS
BLE_1M	Ant1	2480	-30.18	≤8.00	PASS

Test Graphs





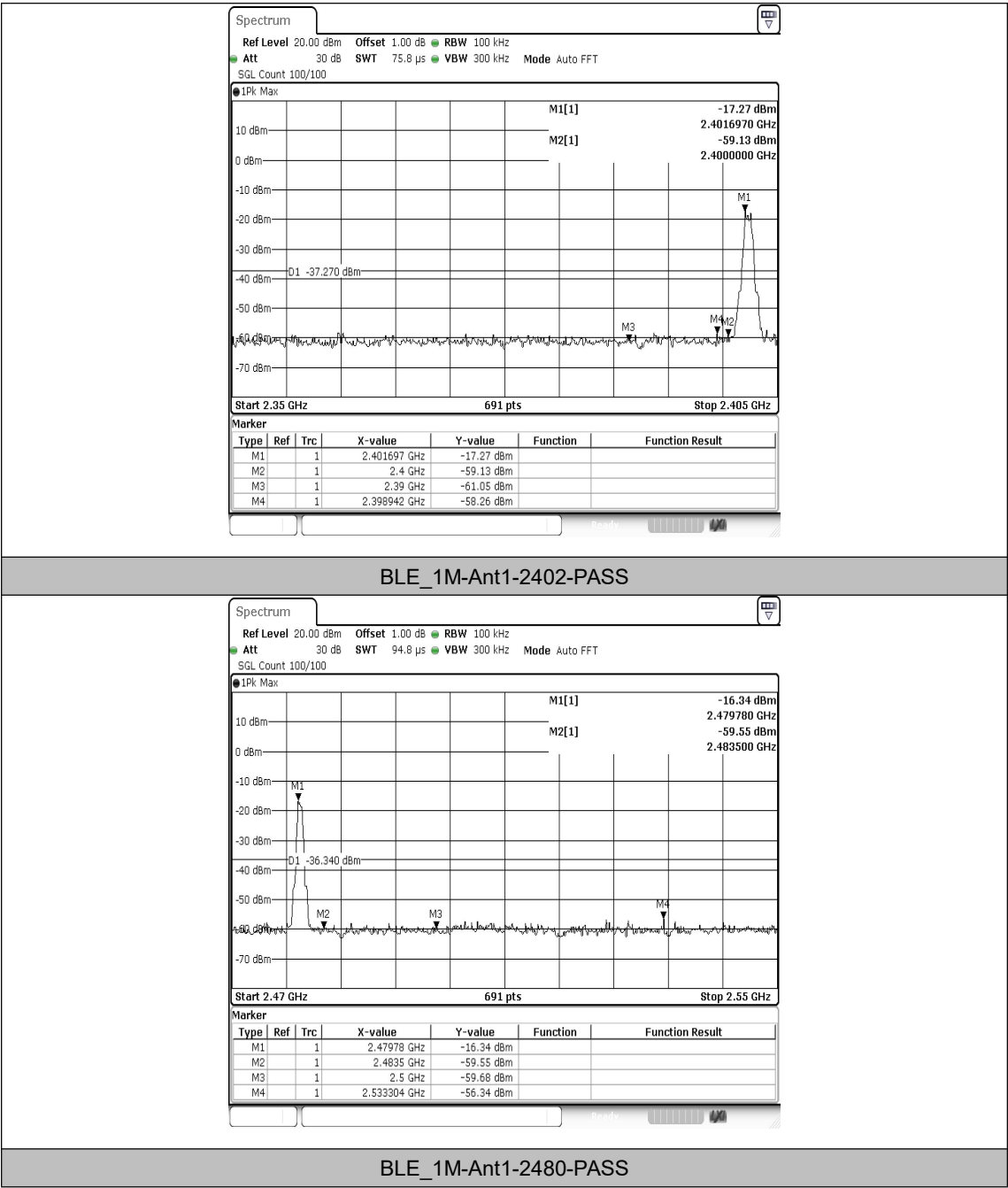
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-17.27	-58.26	≤-37.27	PASS
BLE_1M	Ant1	High	2480	-16.34	-56.34	≤-36.34	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



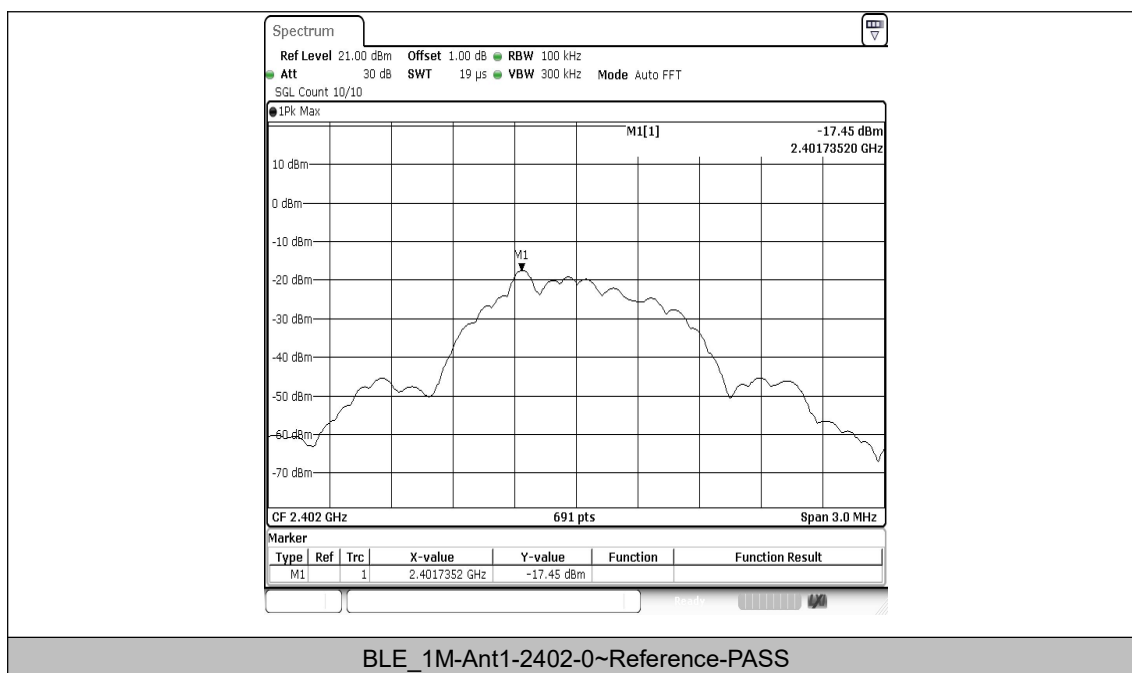
Appendix F: Conducted Spurious Emission

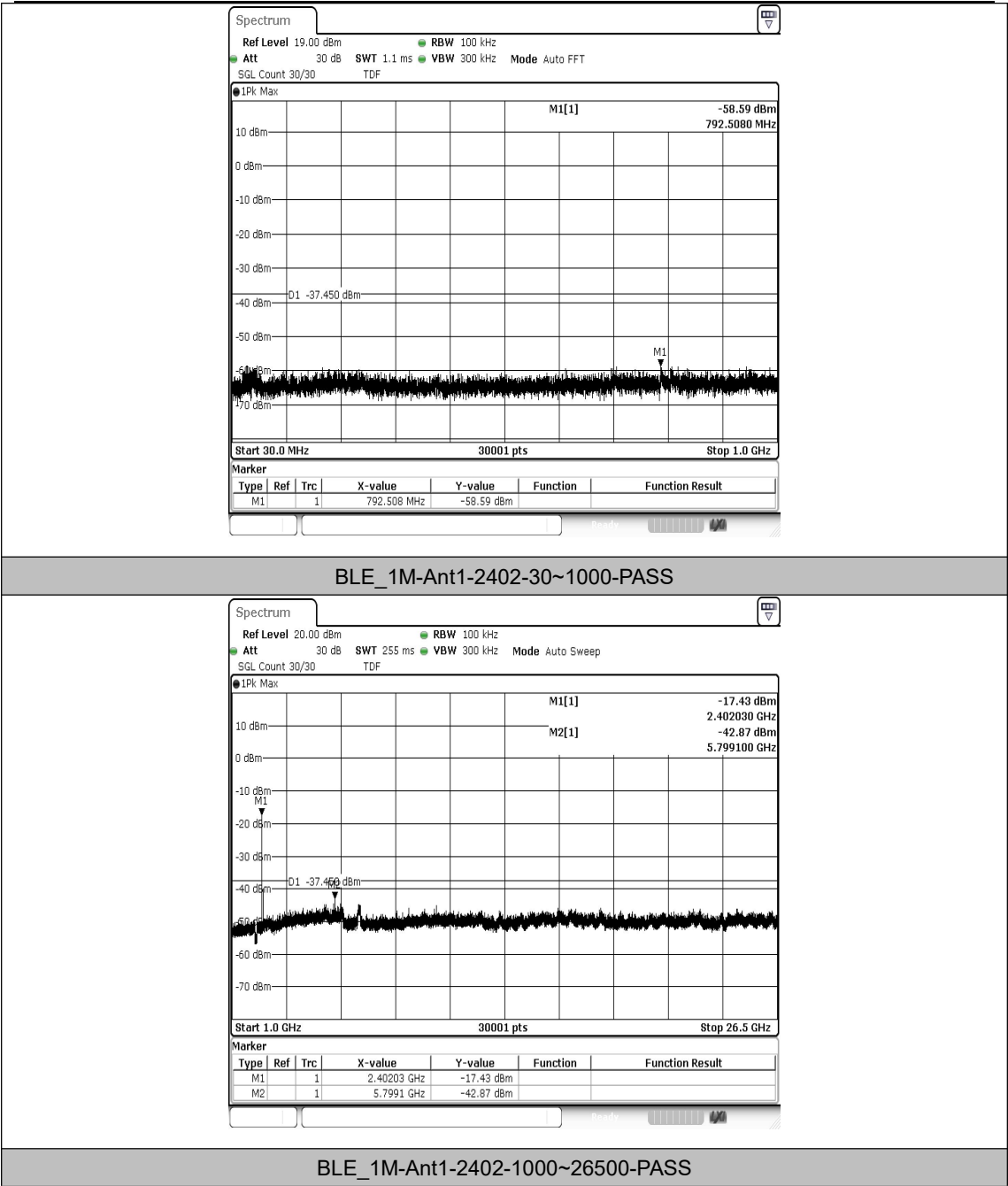
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-17.45	-17.45	---	PASS
BLE_1M	Ant1	2402	30~1000	-17.45	-58.59	≤-37.45	PASS
BLE_1M	Ant1	2402	1000~26500	-17.45	-42.87	≤-37.45	PASS
BLE_1M	Ant1	2440	0~Reference	-18.92	-18.92	---	PASS
BLE_1M	Ant1	2440	30~1000	-18.92	-58.1	≤-38.92	PASS
BLE_1M	Ant1	2440	1000~26500	-18.92	-42.38	≤-38.92	PASS
BLE_1M	Ant1	2480	0~Reference	-17.14	-17.14	---	PASS
BLE_1M	Ant1	2480	30~1000	-17.14	-57.77	≤-37.14	PASS
BLE_1M	Ant1	2480	1000~26500	-17.14	-42.31	≤-37.14	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.

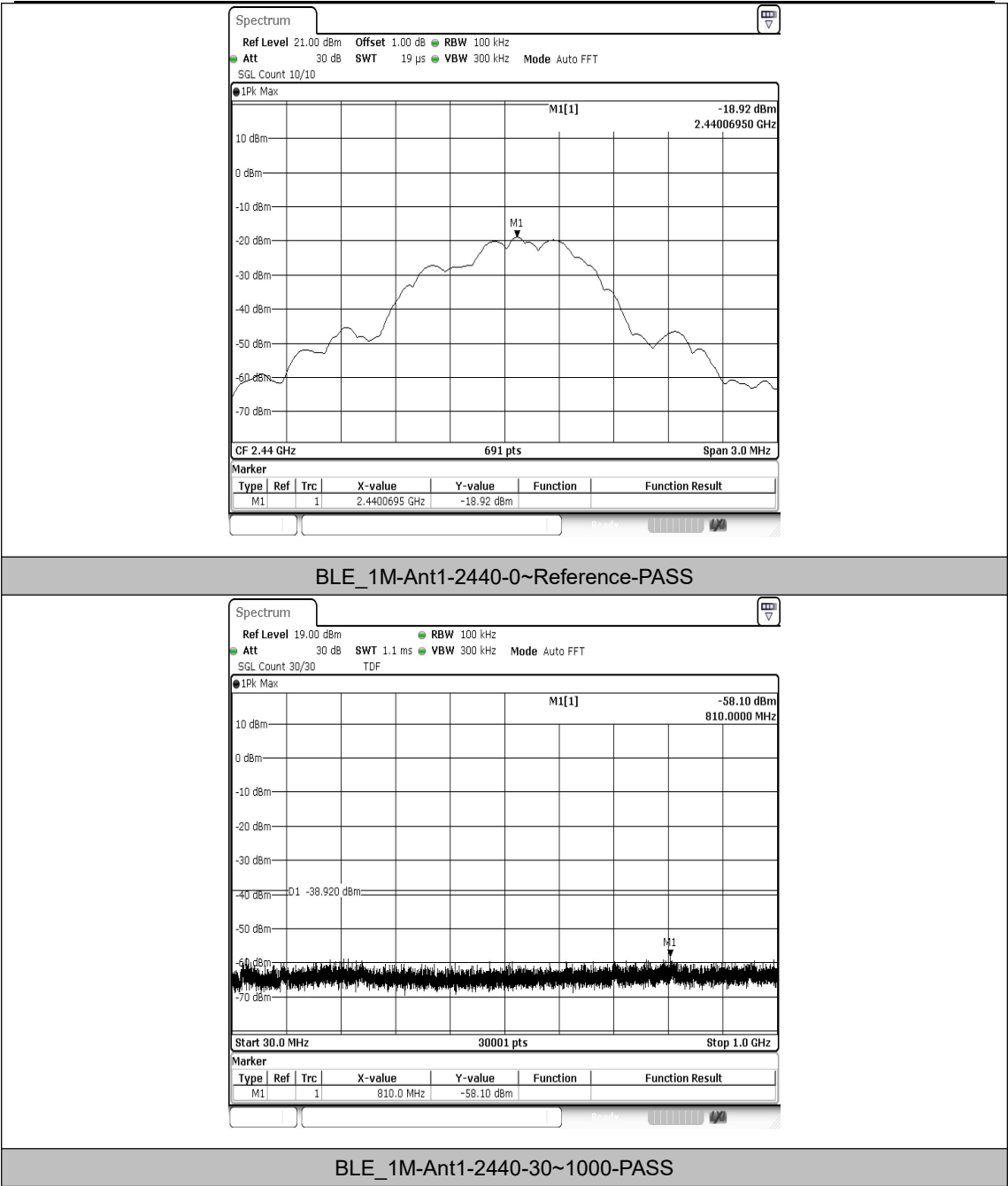
Test Graphs





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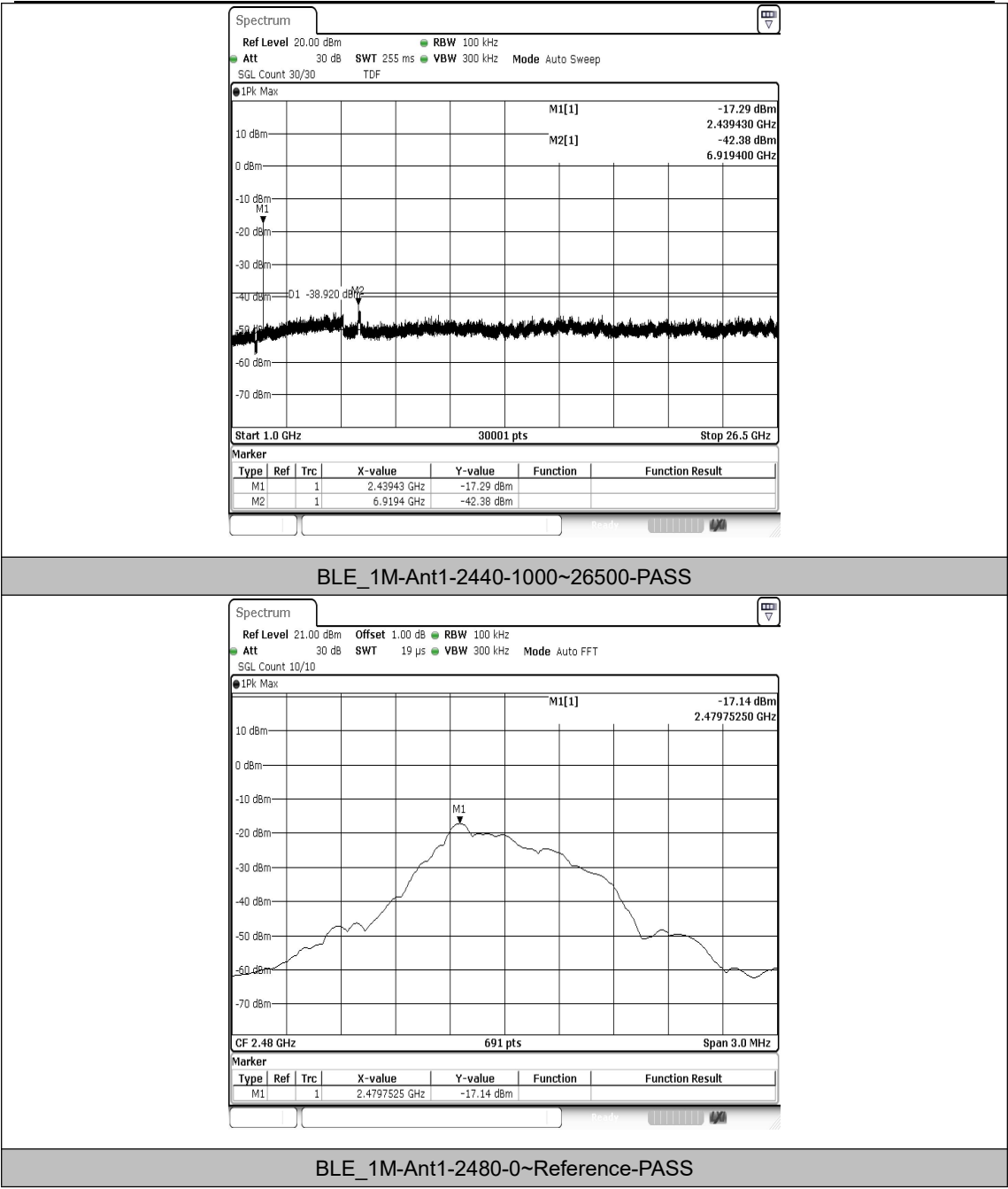
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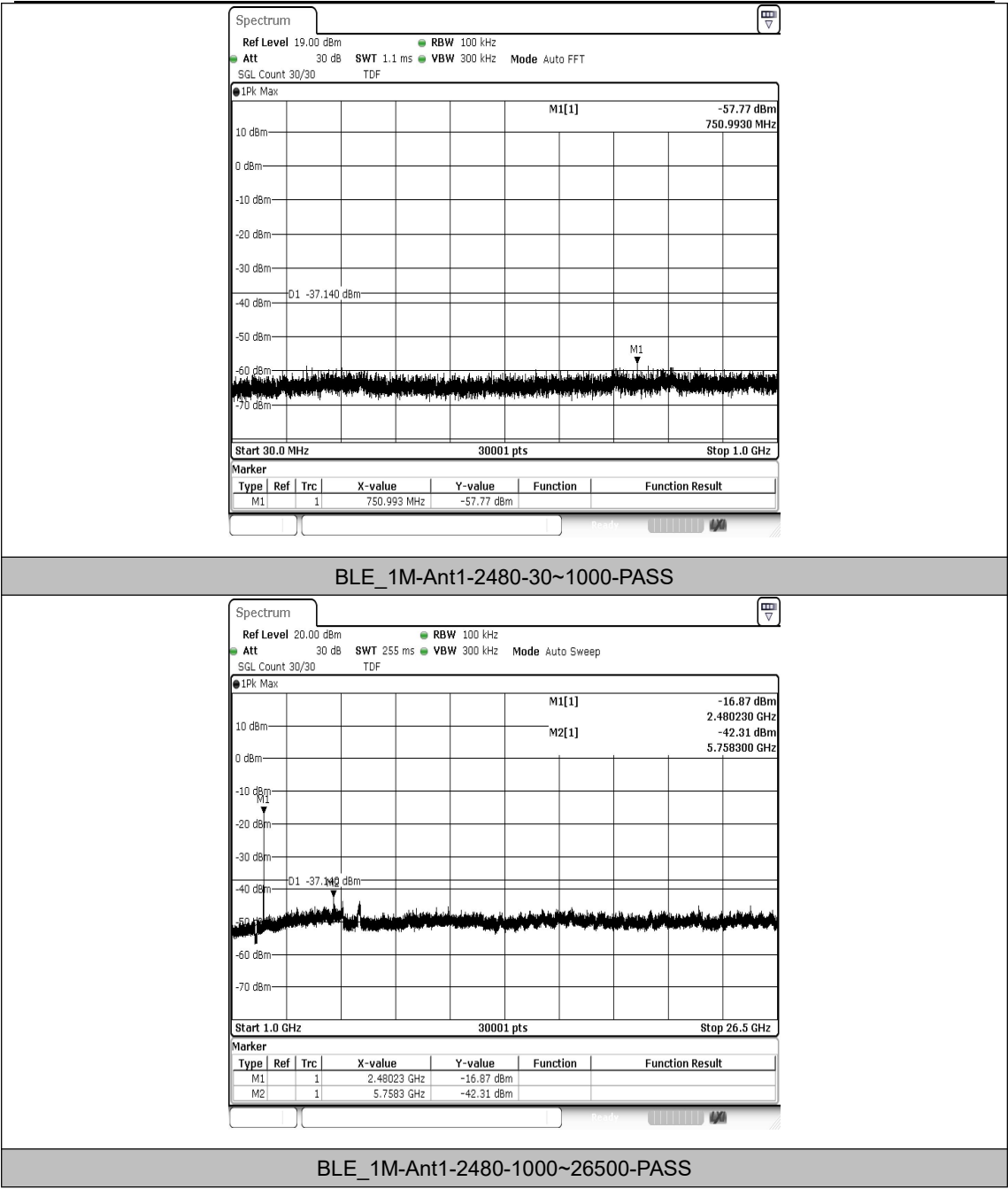


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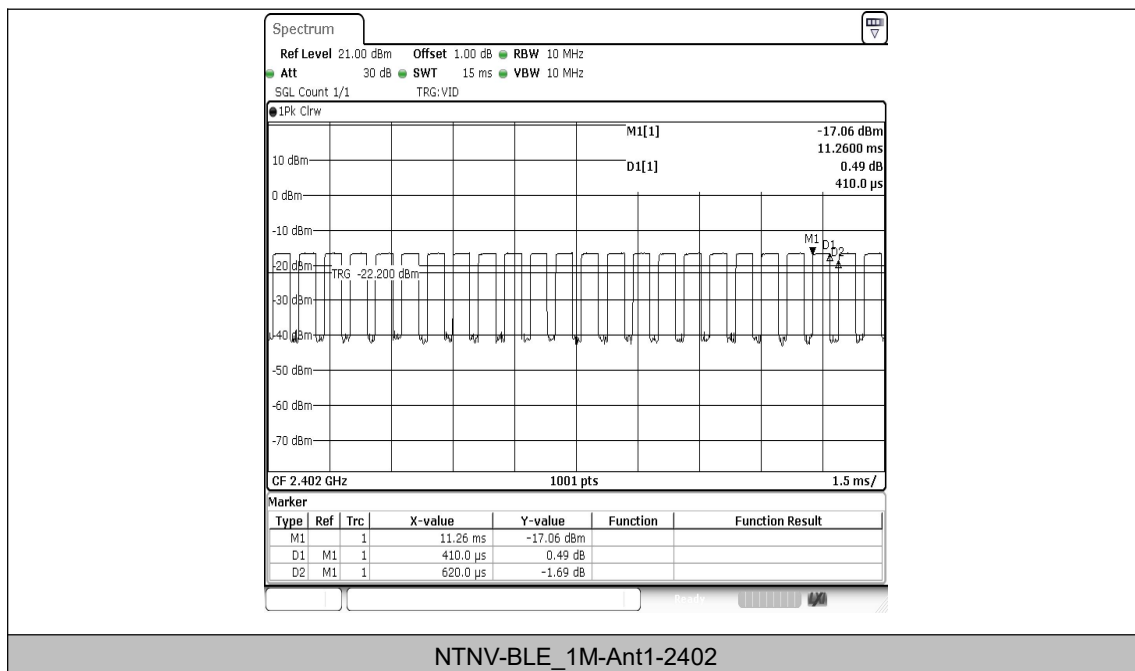
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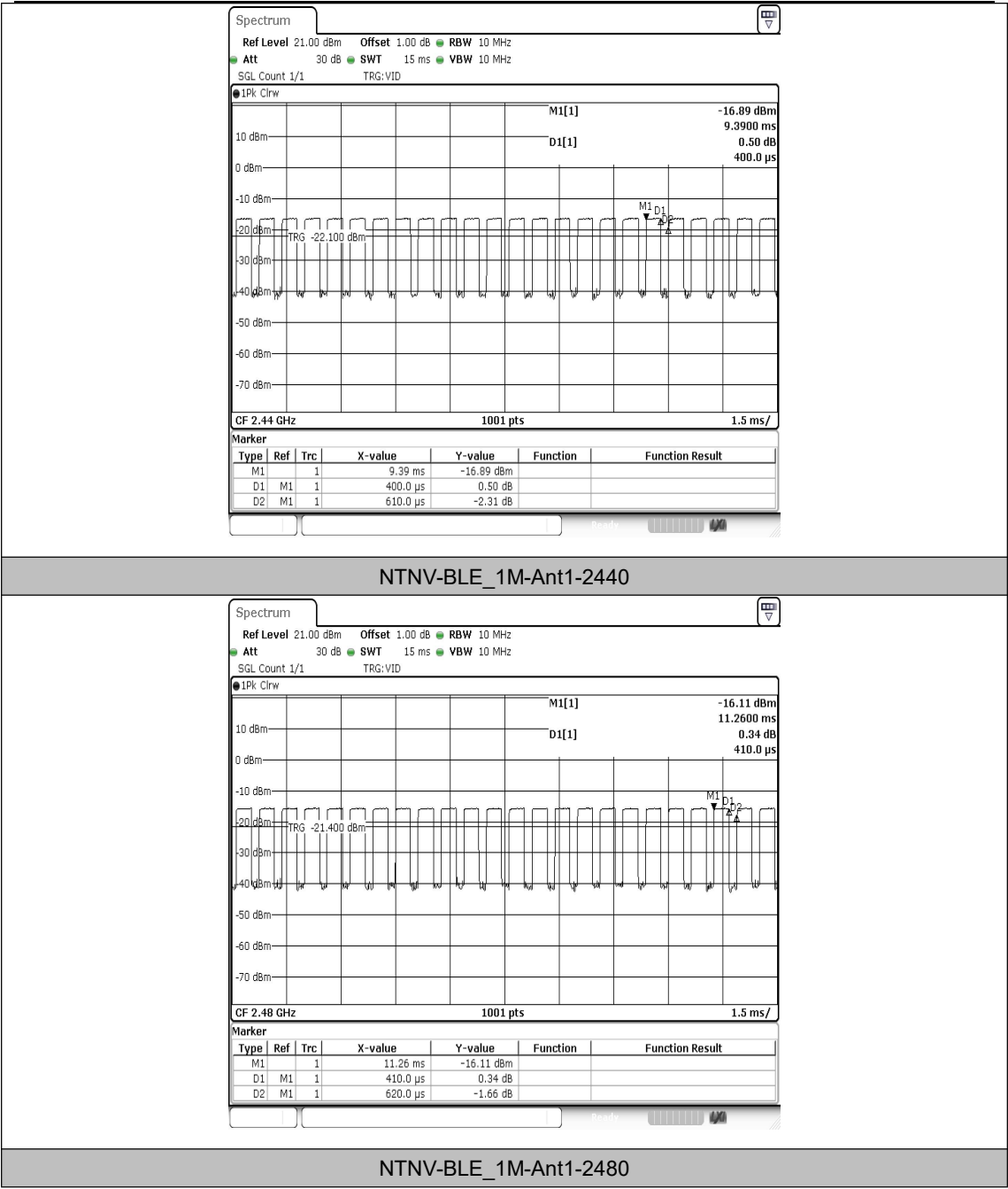
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.41	0.62	66.13	1.80
BLE_1M	Ant1	2440	0.40	0.61	65.57	1.83
BLE_1M	Ant1	2480	0.41	0.62	66.13	1.80

Test Graphs





---End---