

Appendix Test Data

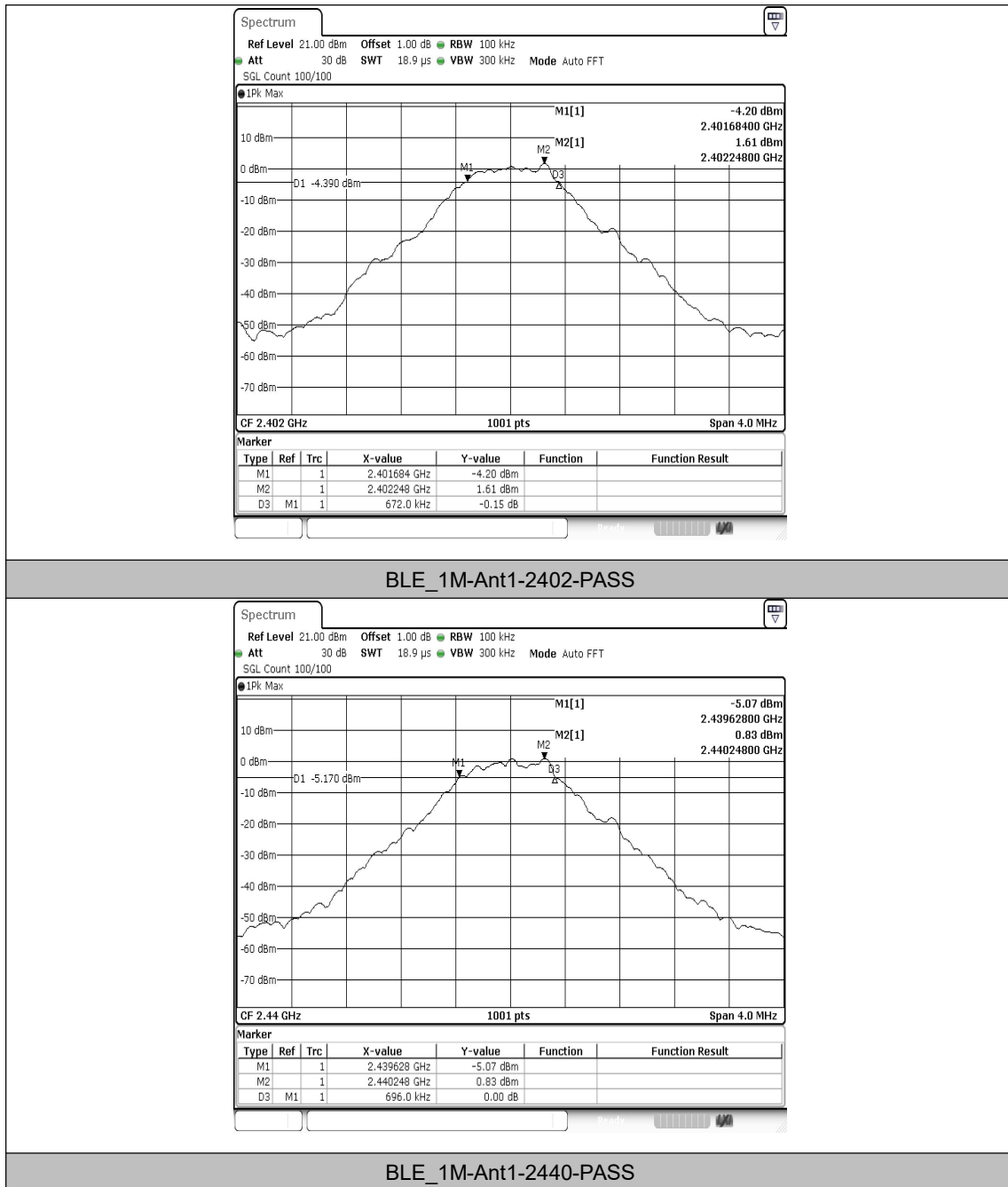
Report No.:	1812C50356412501	Test Sample No.:	1-2-2
Start Test Date:	2025-7-24	Finish Test Date:	2025-7-25
Test Engineer:	<i>dylan. Ma</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.3°C	Relative Humidity:	48%
Pressure:	101kPa		

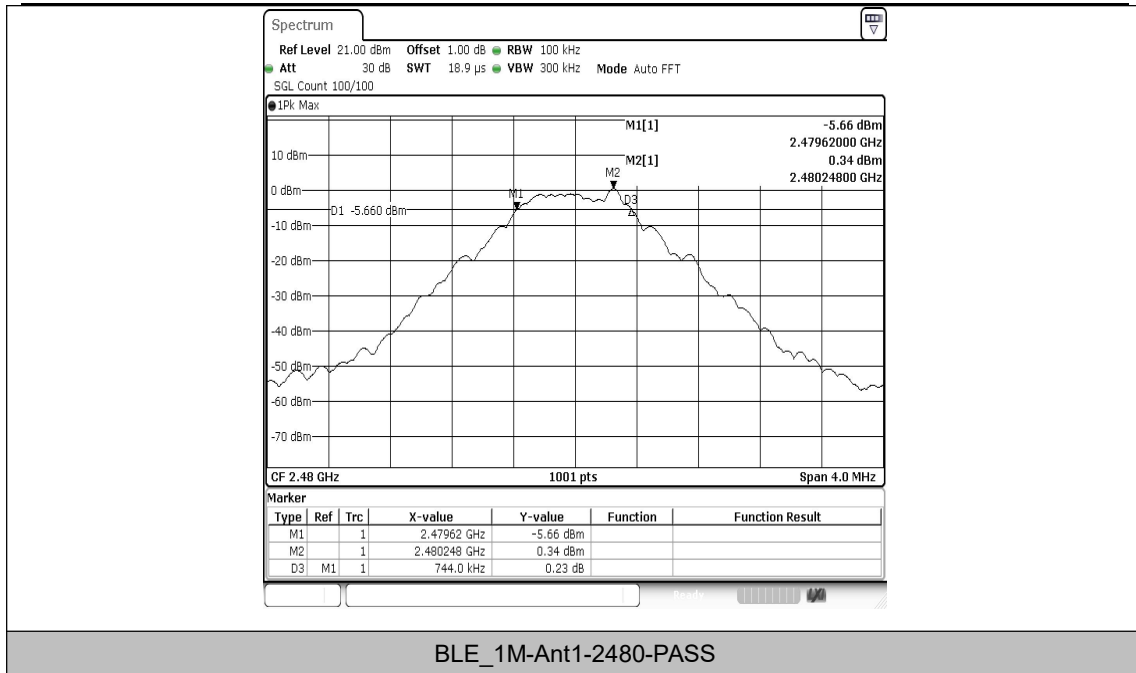
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.67	2401.68	2402.36	0.5	PASS
BLE_1M	Ant1	2440	0.70	2439.63	2440.32	0.5	PASS
BLE_1M	Ant1	2480	0.74	2479.62	2480.36	0.5	PASS

Test Graphs





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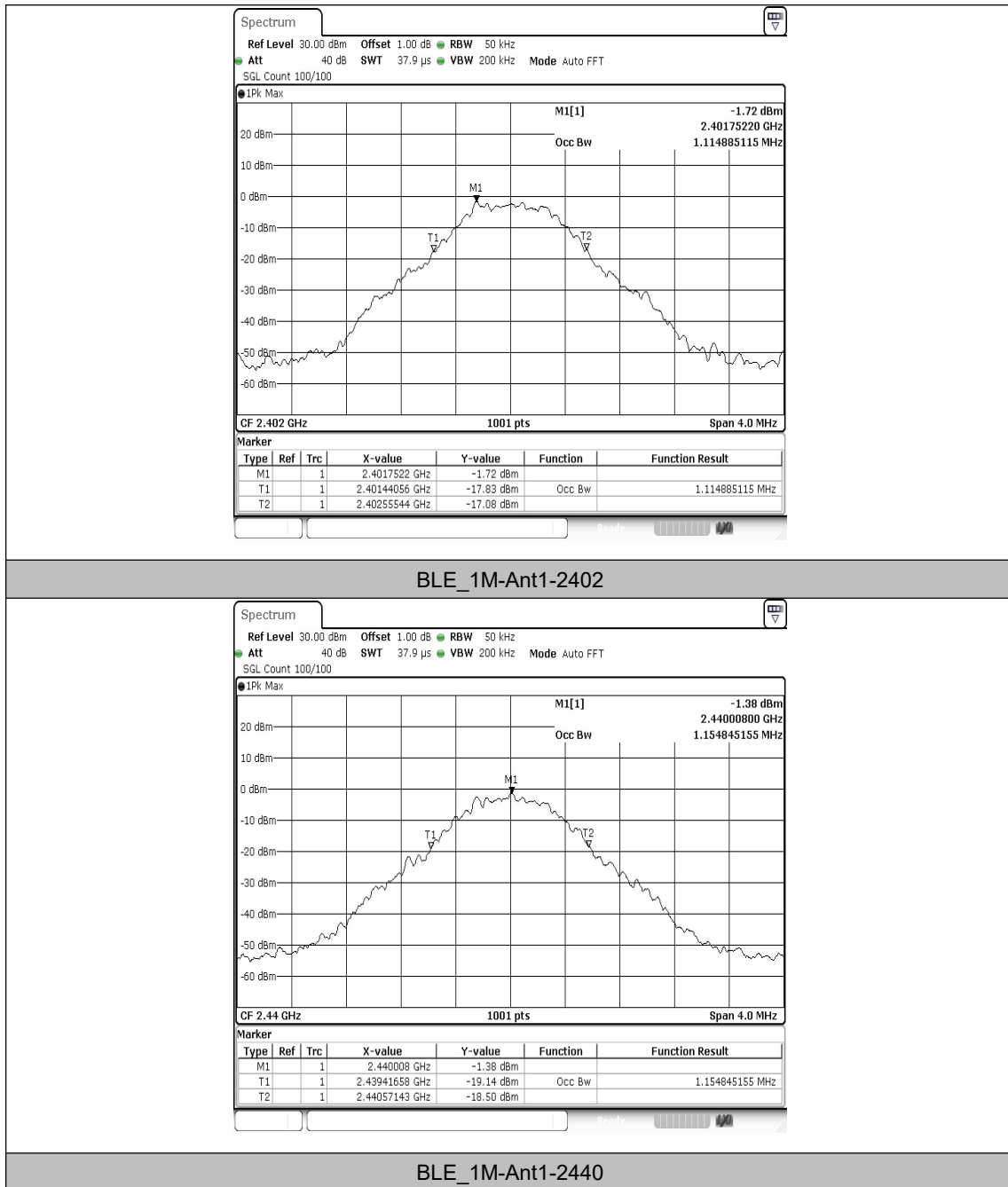
Appendix B: 99% Occupied Bandwidth

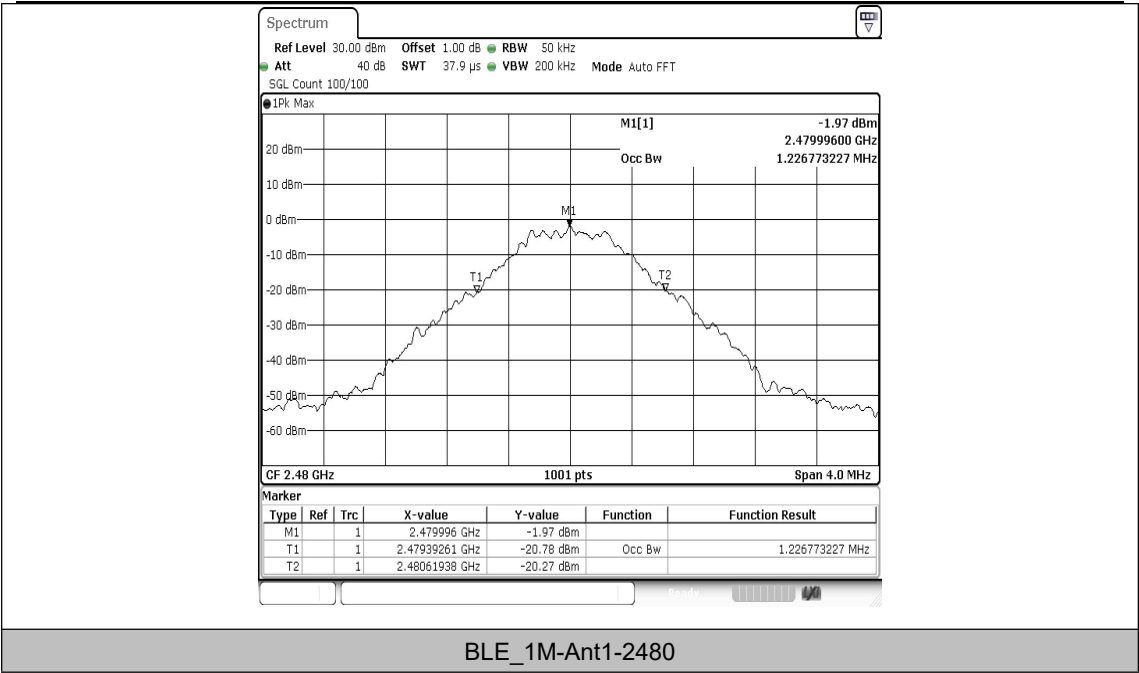
Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.1149	2401.4406	2402.5554	---	---
BLE_1M	Ant1	2440	1.1548	2439.4166	2440.5714	---	---
BLE_1M	Ant1	2480	1.2268	2479.3926	2480.6194	---	---



Test Graphs





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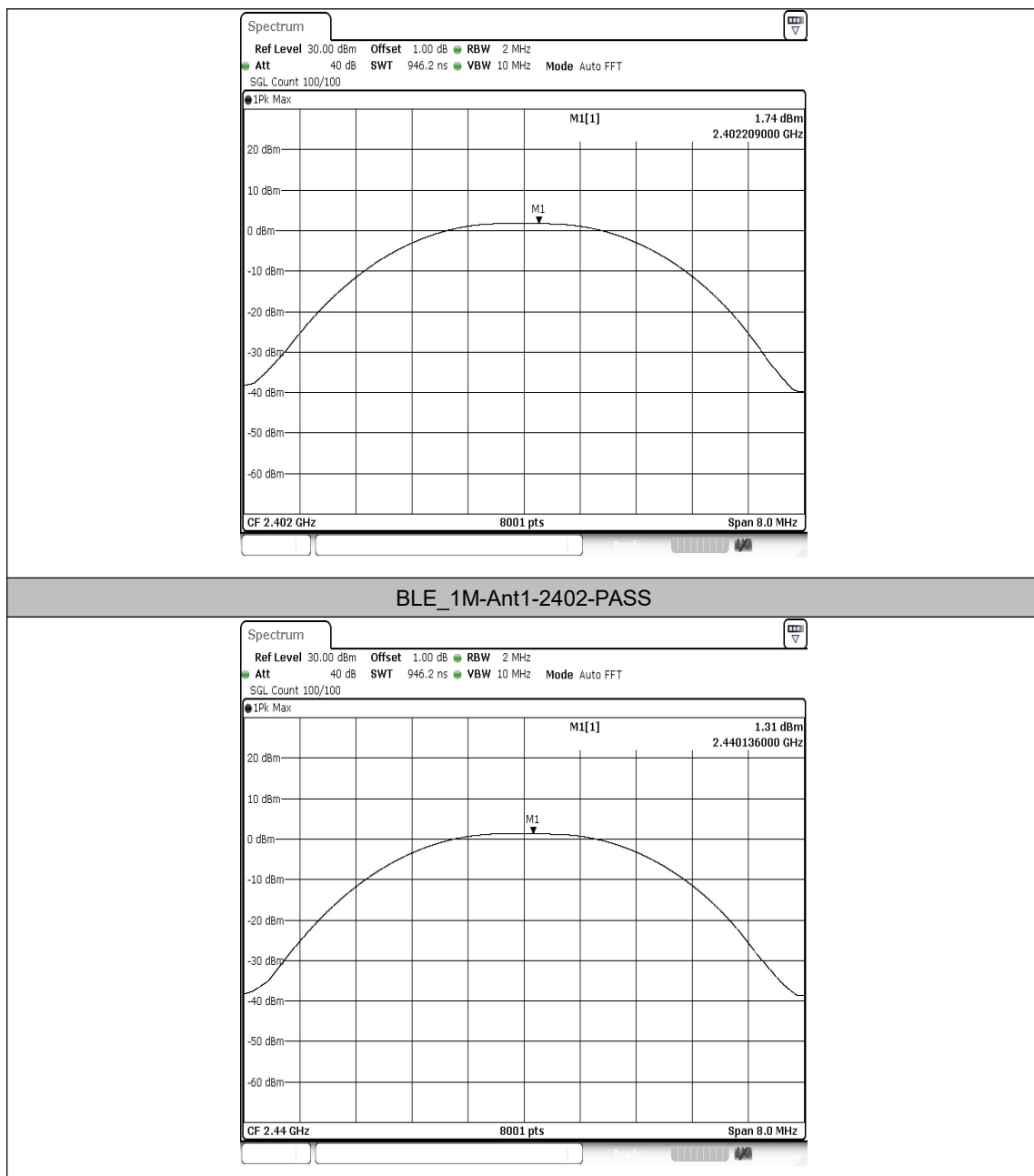
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Appendix C: Maximum conducted output power

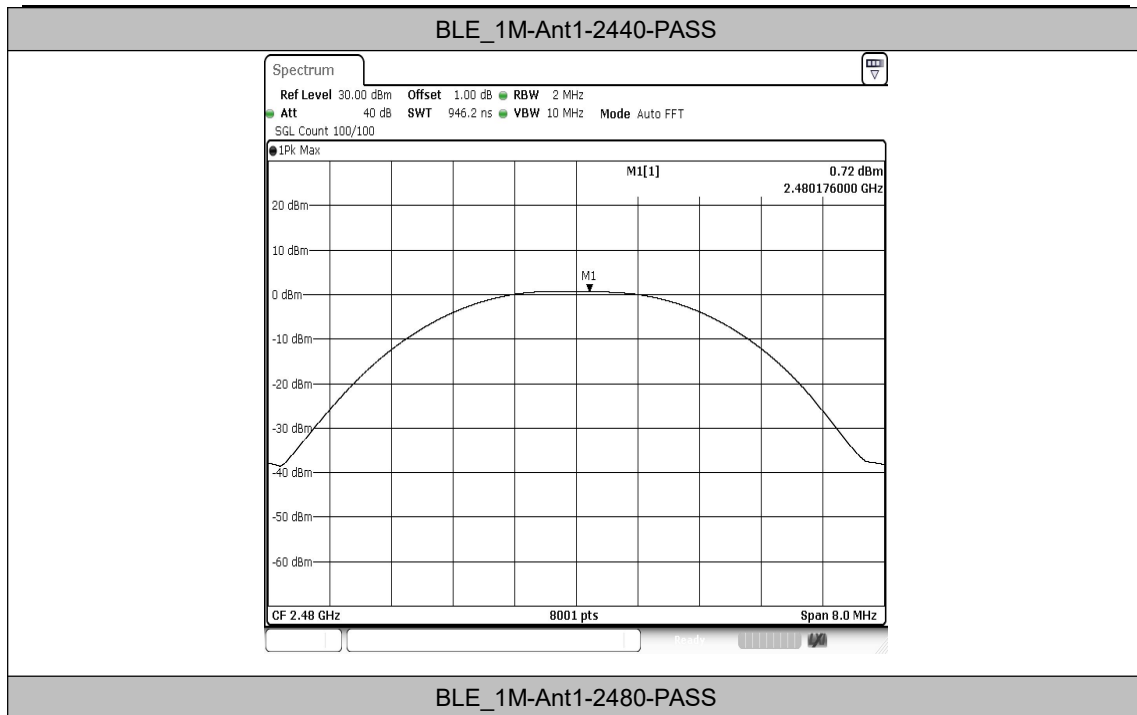
Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.74	≤30	PASS
BLE_1M	Ant1	2440	1.31	≤30	PASS
BLE_1M	Ant1	2480	0.72	≤30	PASS

Test Graphs Peak



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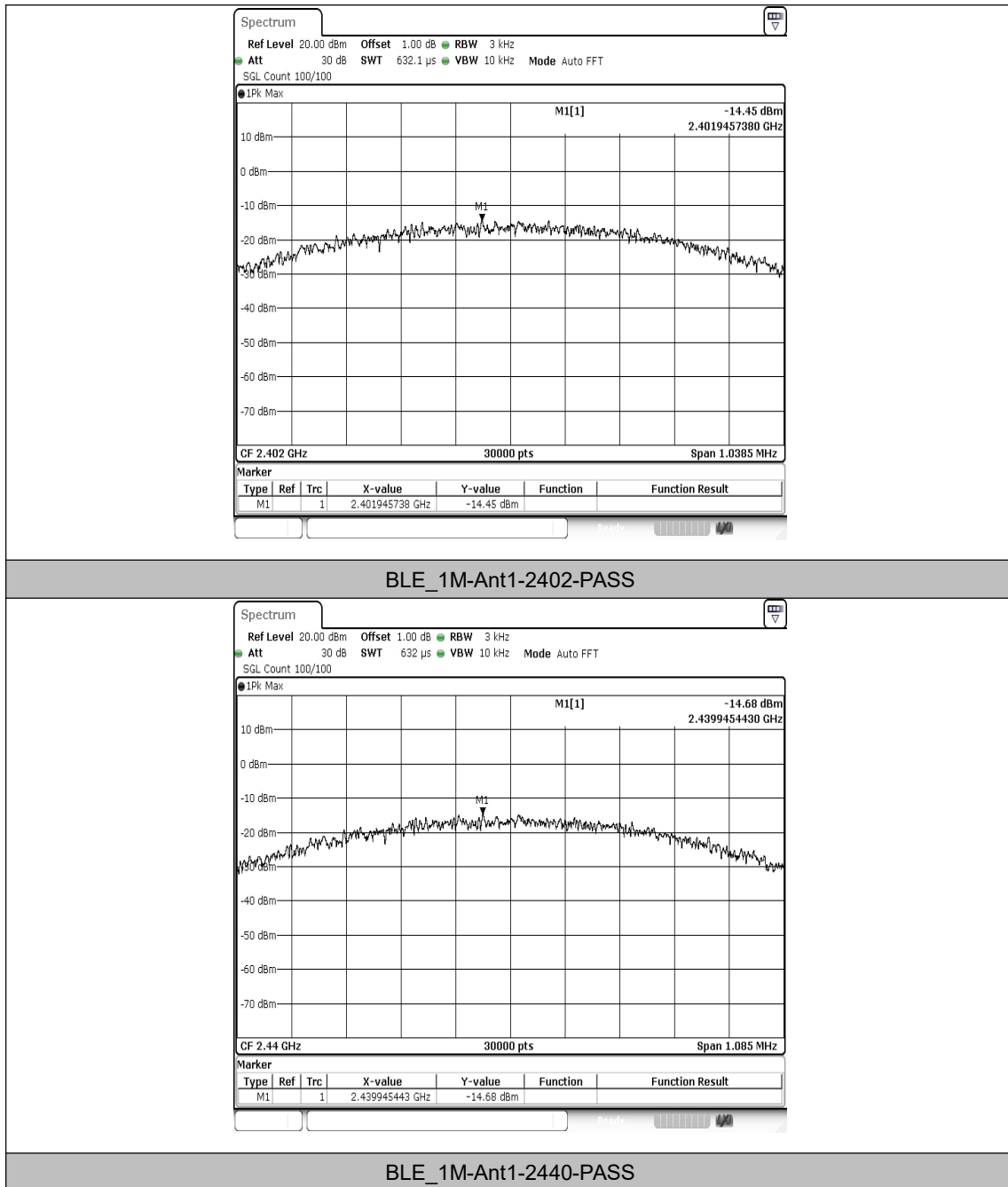
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.45	≤8.00	PASS
BLE_1M	Ant1	2440	-14.68	≤8.00	PASS
BLE_1M	Ant1	2480	-15.47	≤8.00	PASS

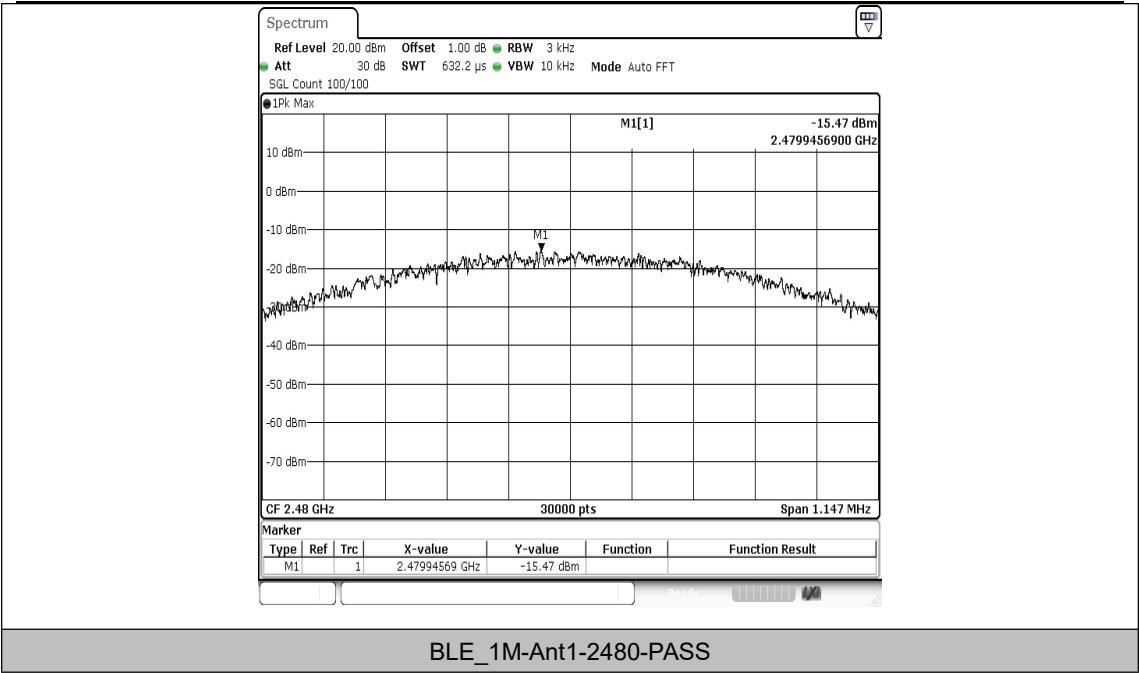
Test Graphs



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Appendix E: Band edge measurements

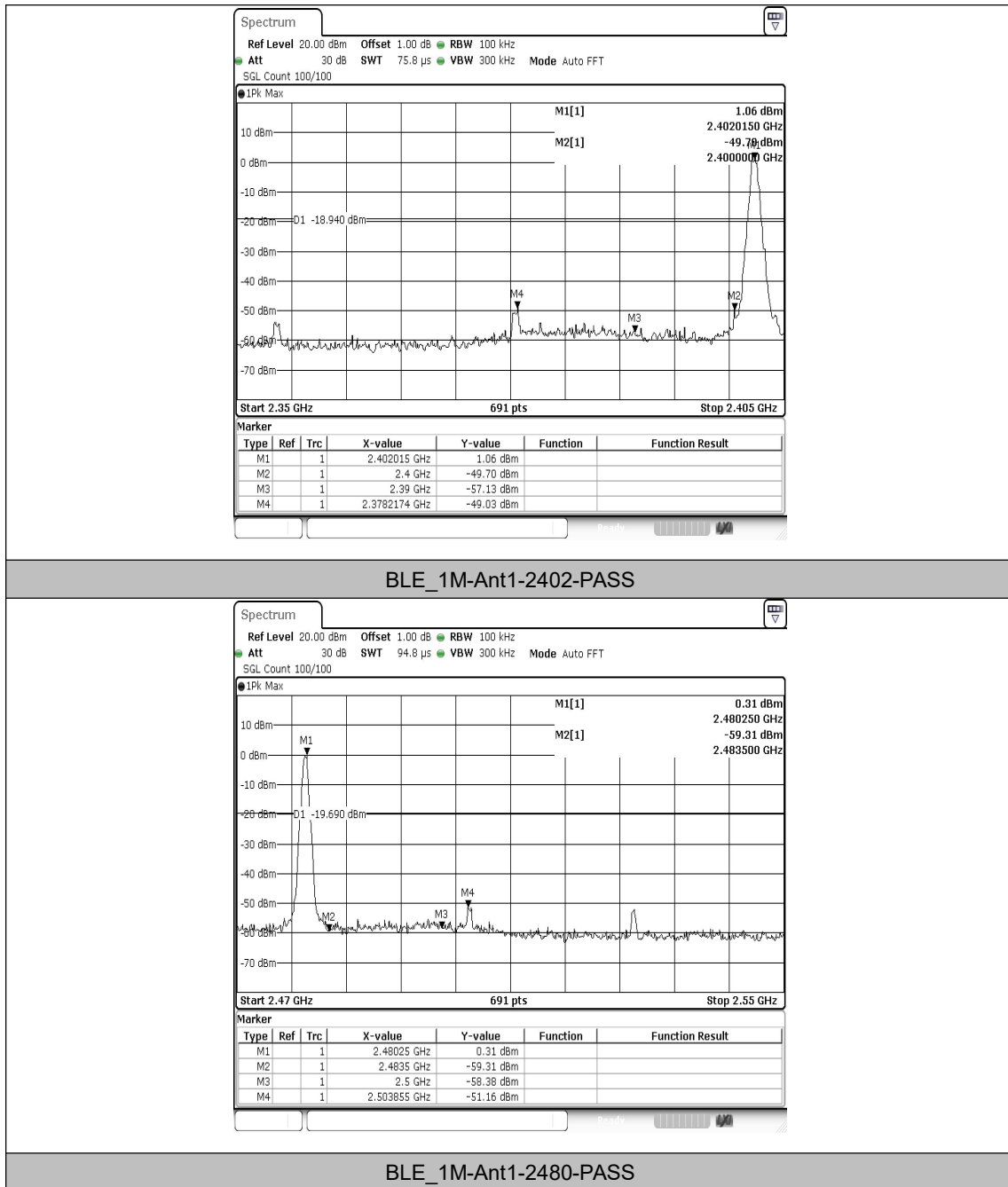
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.06	-49.03	≤-18.94	PASS
BLE_1M	Ant1	High	2480	0.31	-51.16	≤-19.69	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



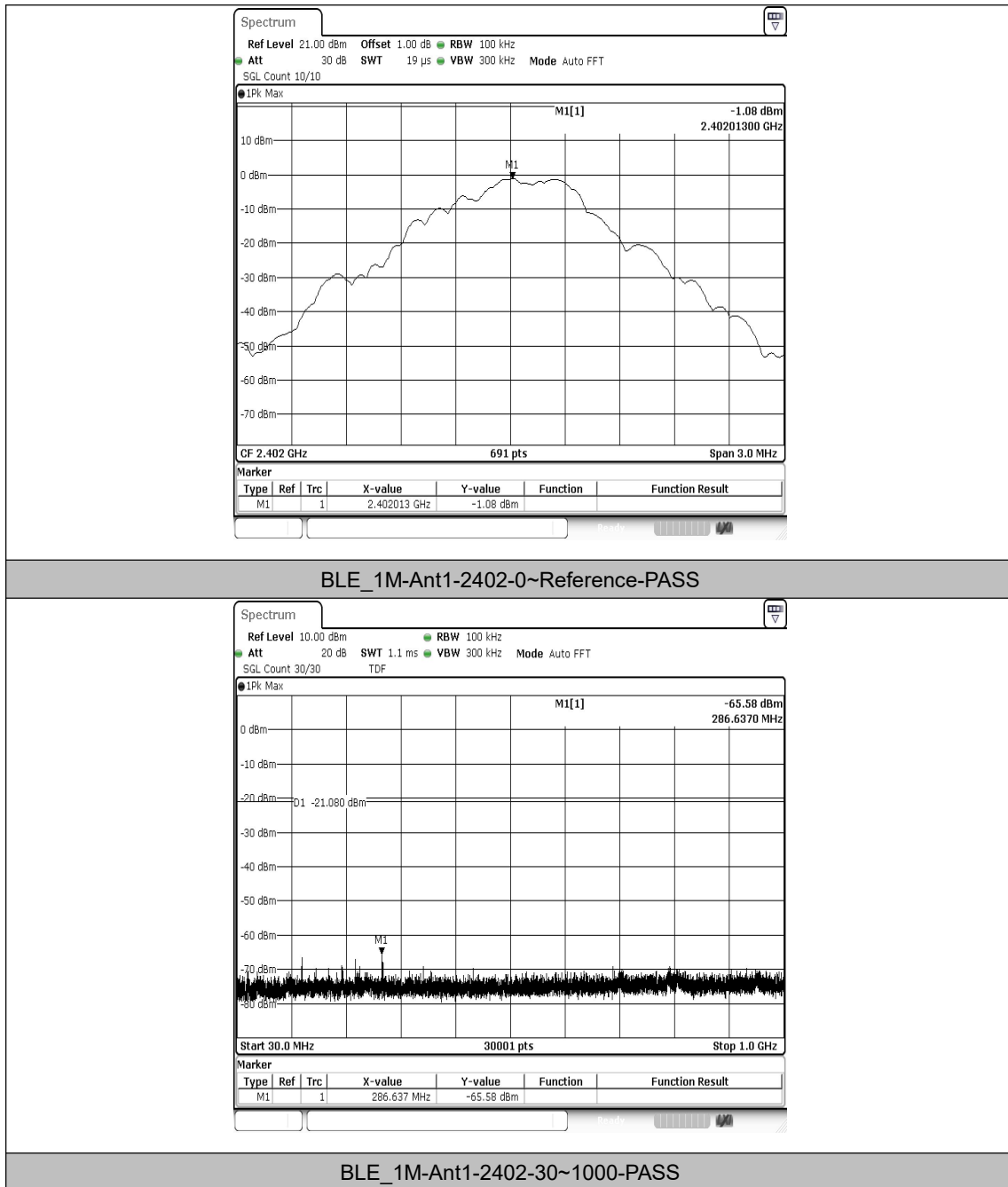
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-1.08	-1.08	---	PASS
BLE_1M	Ant1	2402	30~1000	-1.08	-65.58	≤-21.08	PASS
BLE_1M	Ant1	2402	1000~26500	-1.08	-41.21	≤-21.08	PASS
BLE_1M	Ant1	2440	0~Reference	-0.43	-0.43	---	PASS
BLE_1M	Ant1	2440	30~1000	-0.43	-60.09	≤-20.43	PASS
BLE_1M	Ant1	2440	1000~26500	-0.43	-39.8	≤-20.43	PASS
BLE_1M	Ant1	2480	0~Reference	-0.64	-0.64	---	PASS
BLE_1M	Ant1	2480	30~1000	-0.64	-61.47	≤-20.64	PASS
BLE_1M	Ant1	2480	1000~26500	-0.64	-38.73	≤-20.64	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.

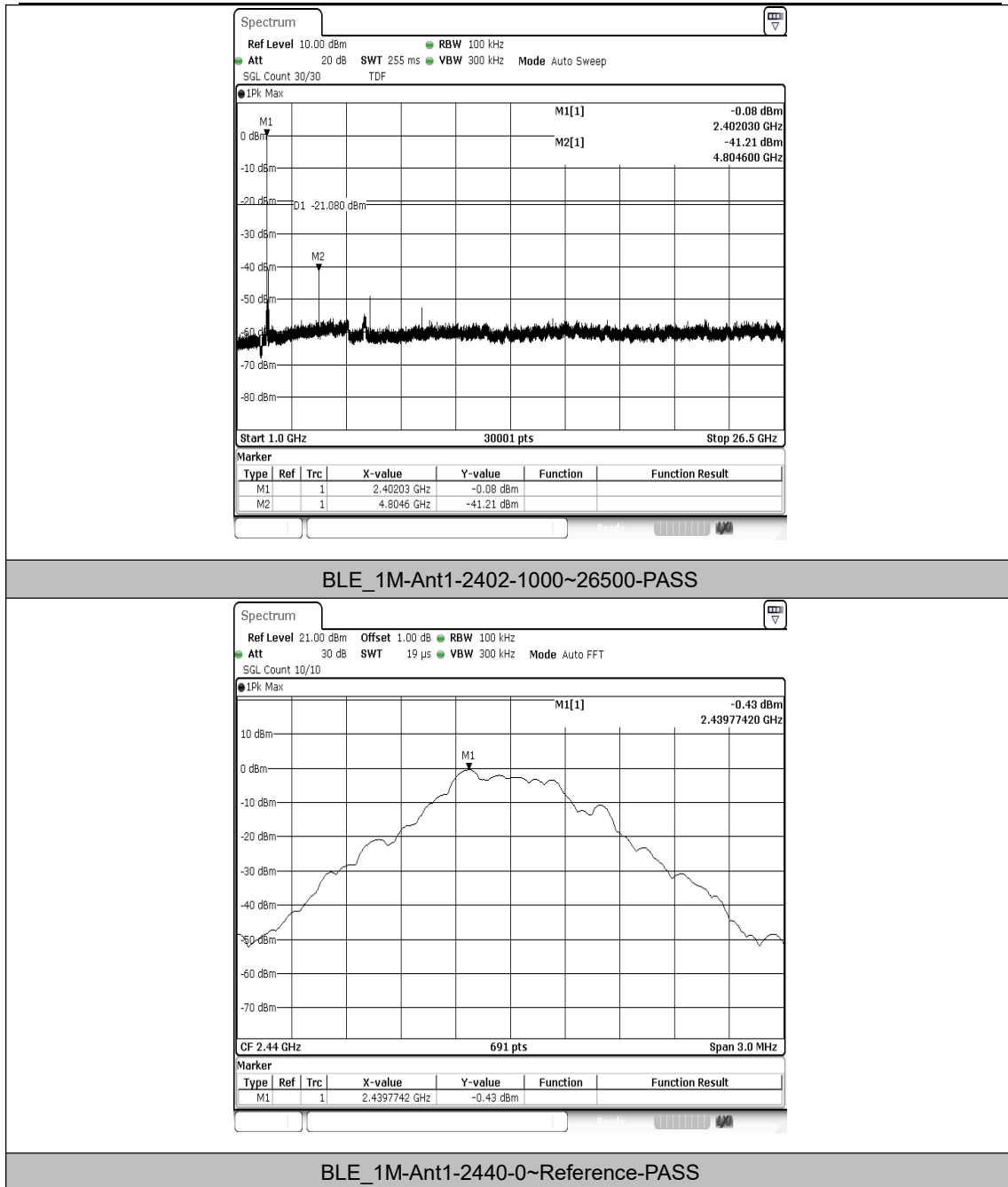
Test Graphs

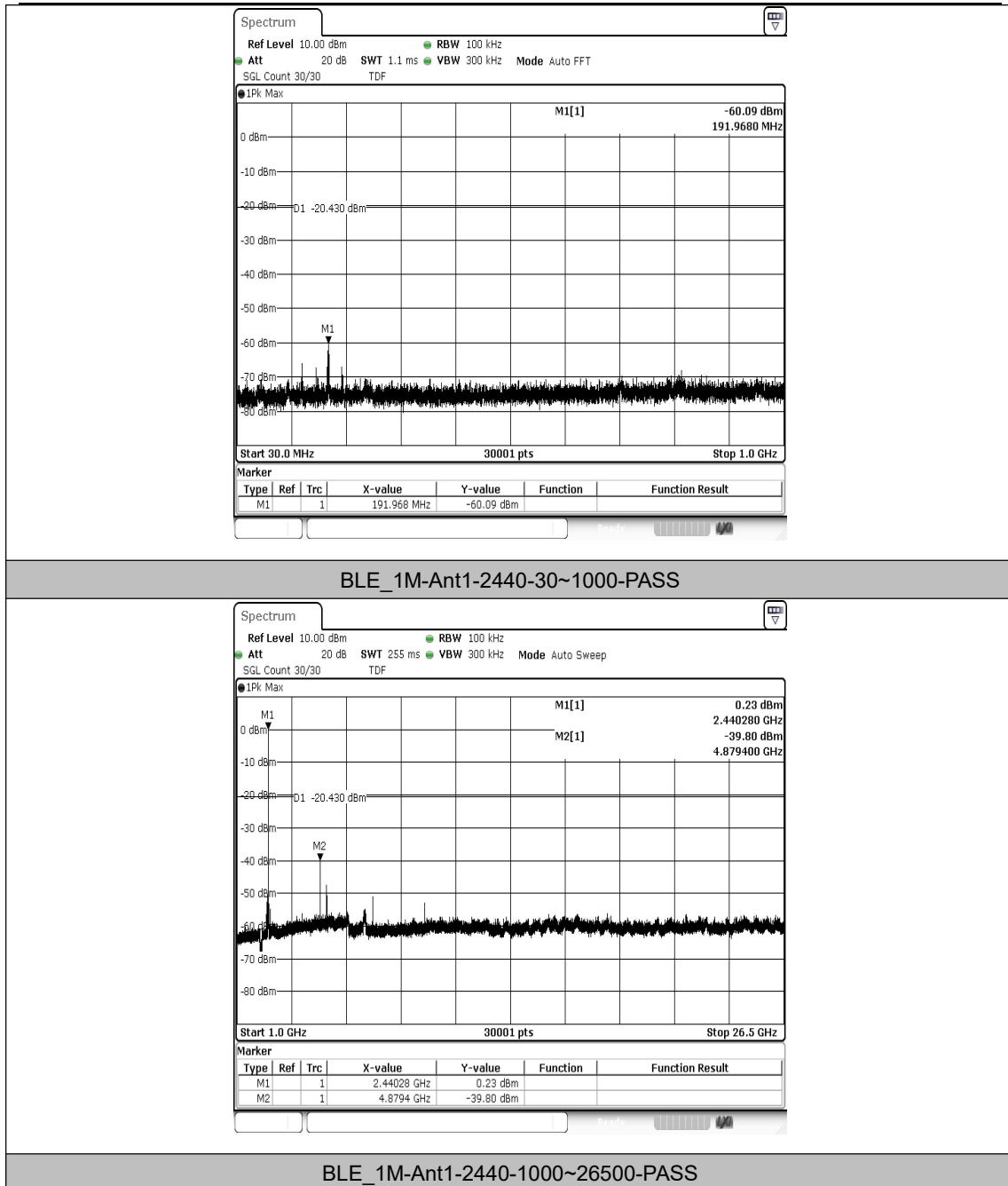


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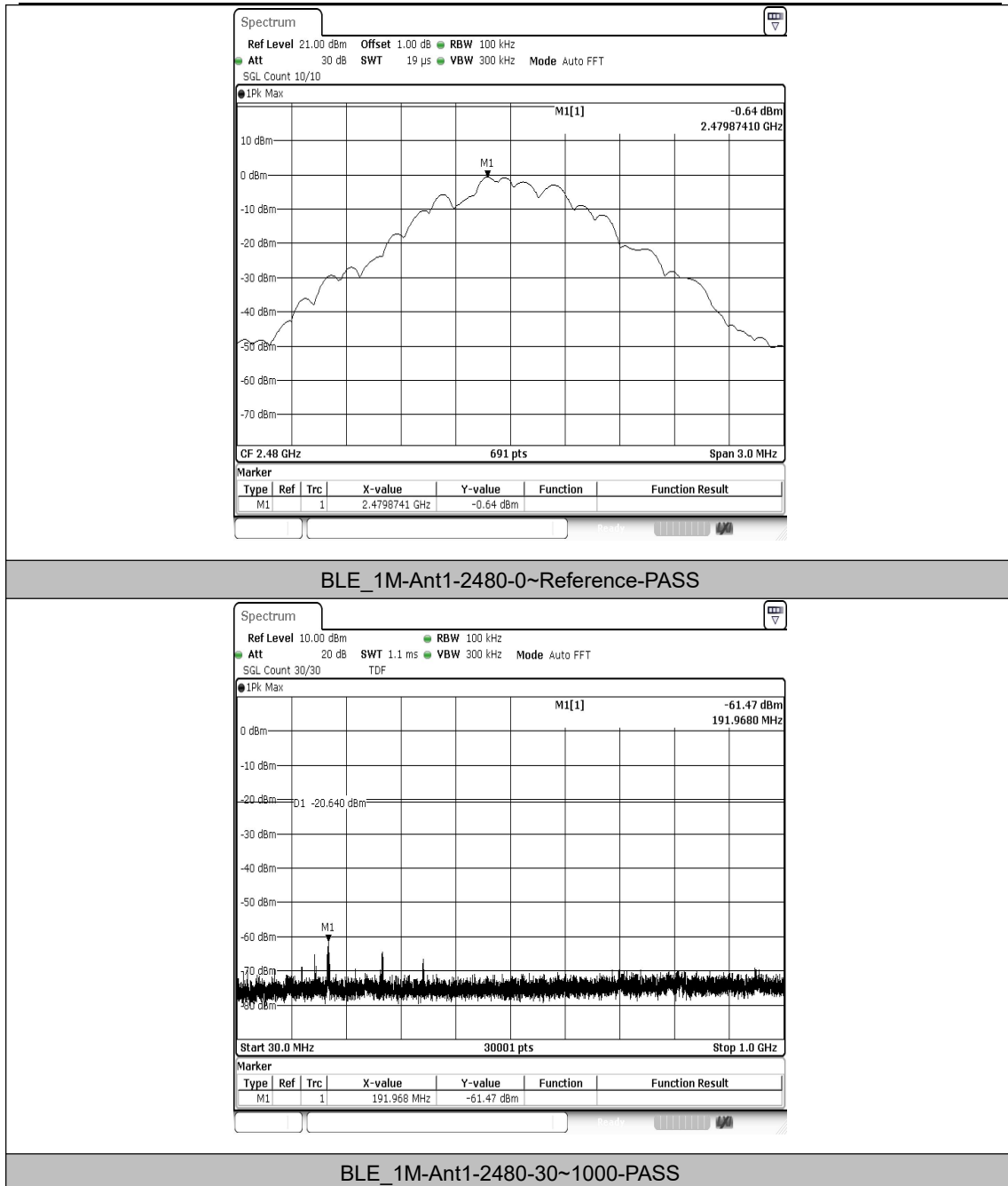




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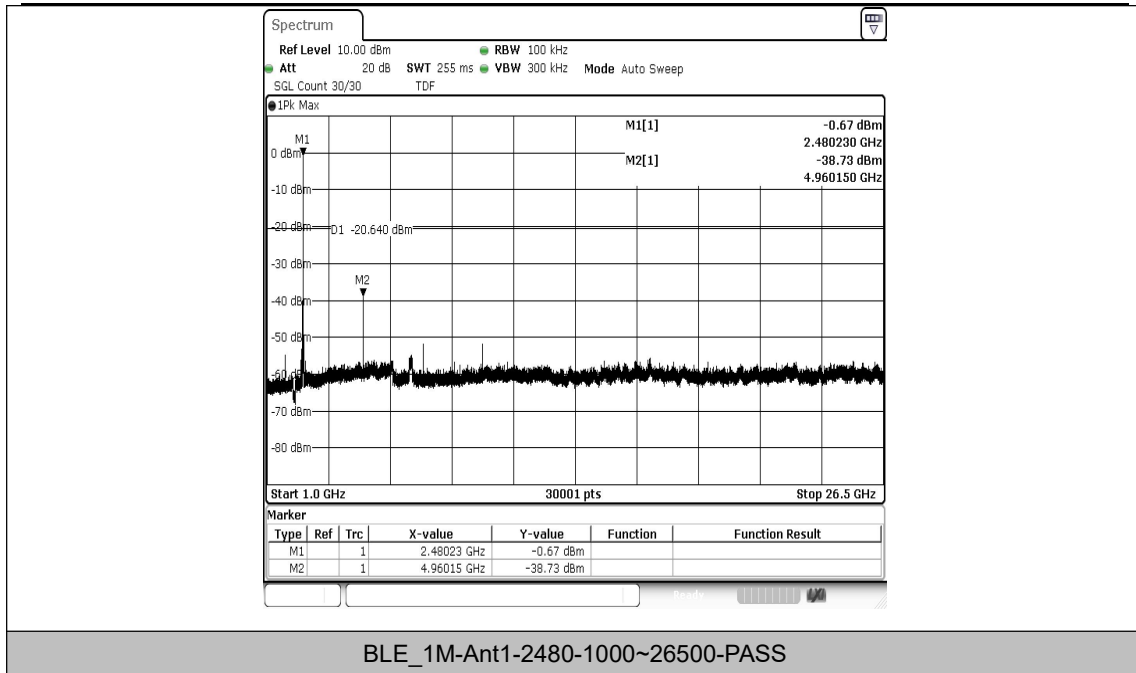
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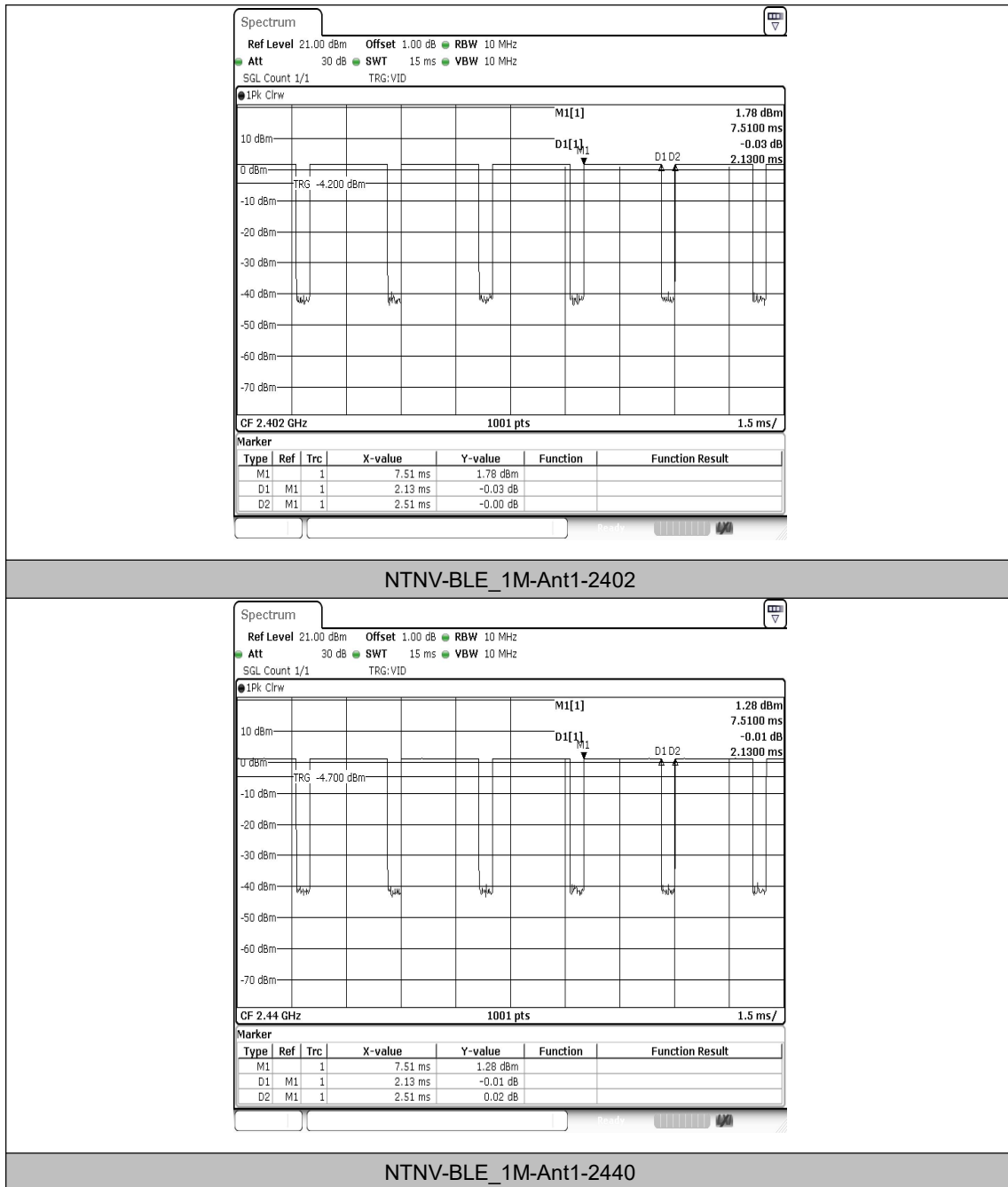
Appendix G: Duty Cycle

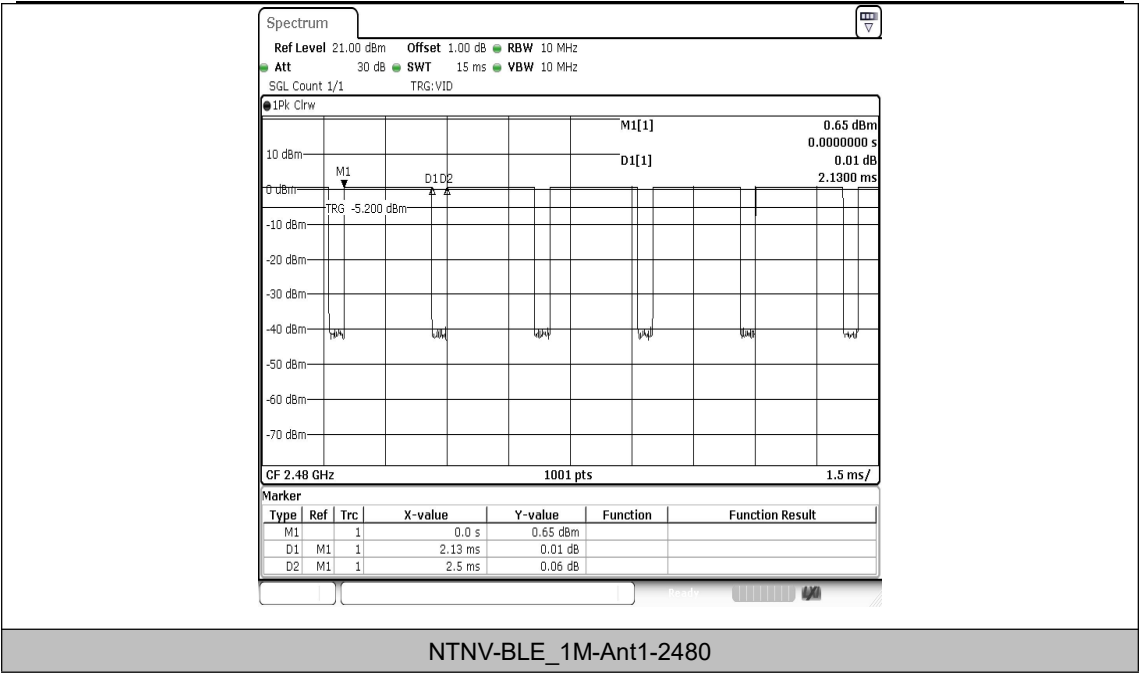
Test Result

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





---End---