

Appendix Test Data

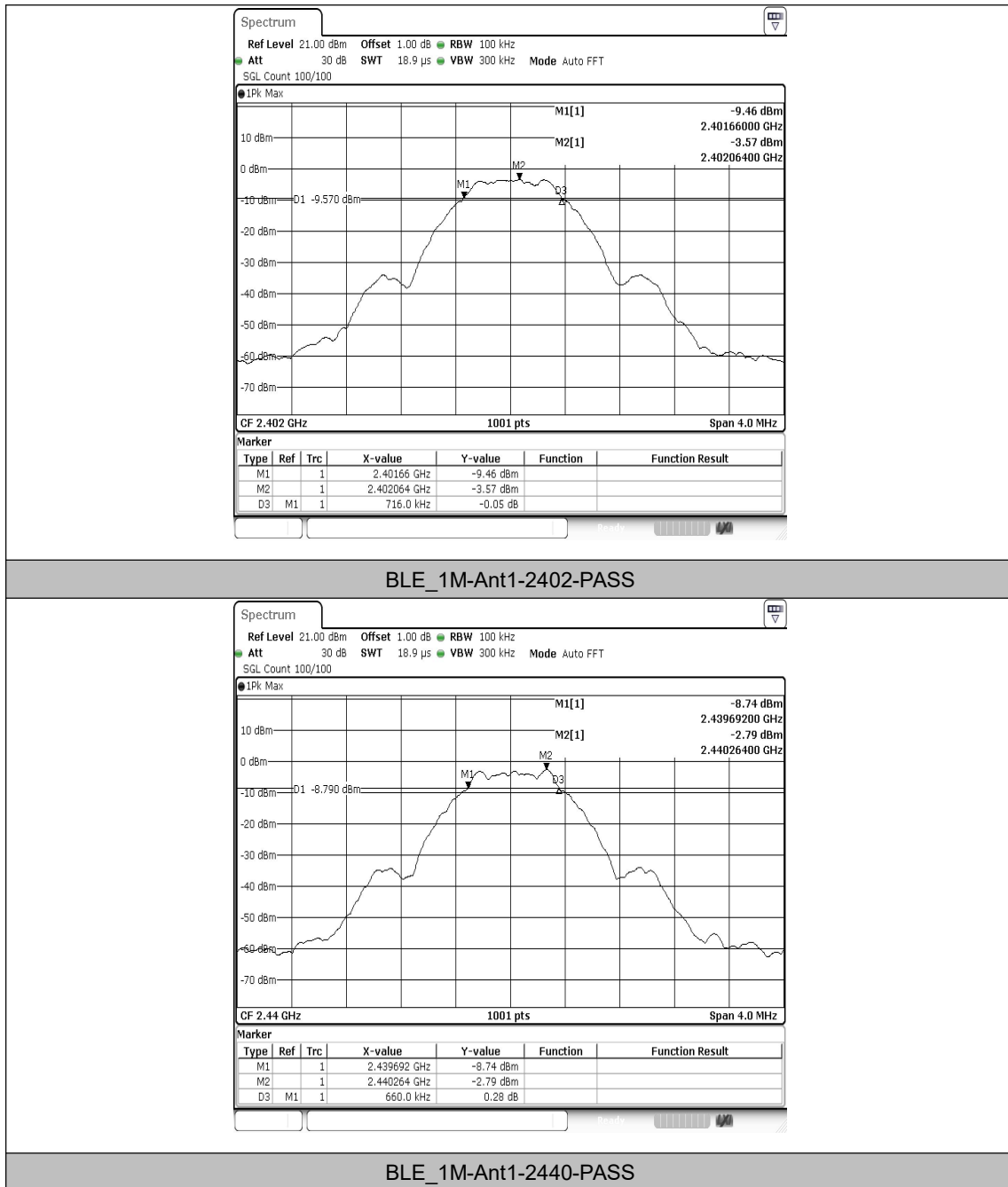
Report No.:	1812C50237812501	Test Sample No.:	1-2-2
Start Test Date:	2025-5-22	Finish Test Date:	2025-5-26
Test Engineer:	Hansen Guan	Auditor:	Justin Feng
Temperature:	25.1℃	Relative Humidity:	56%
Pressure:	101kPa		

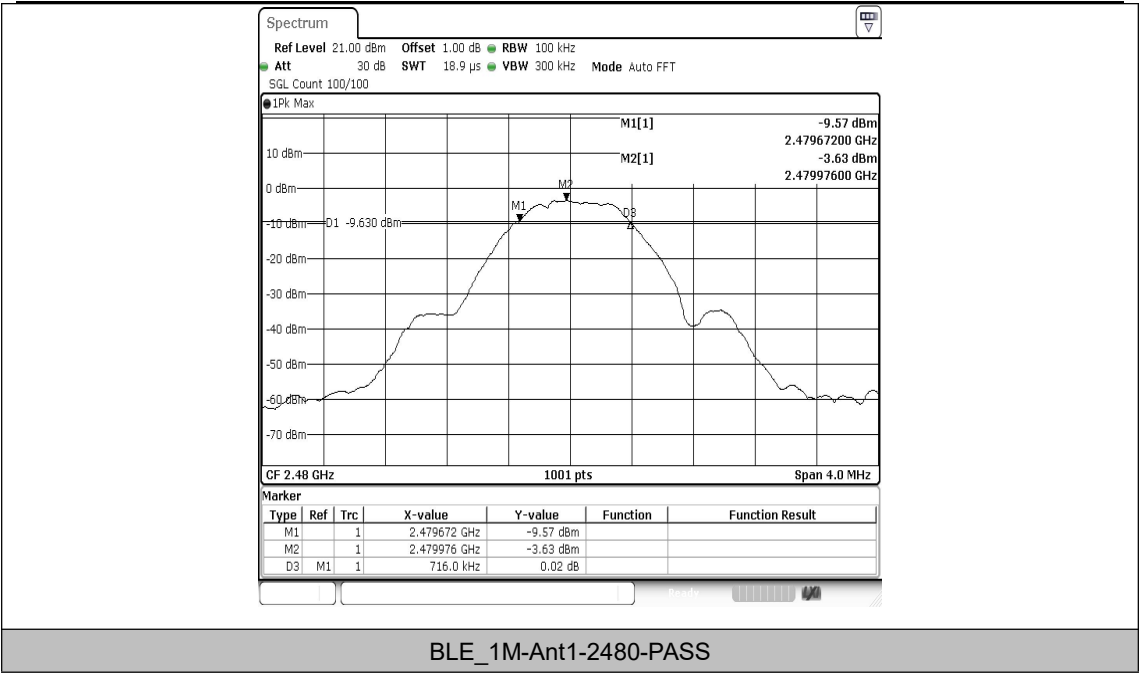
Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.72	2401.66	2402.38	0.5	PASS
BLE_1M	Ant1	2440	0.66	2439.69	2440.35	0.5	PASS
BLE_1M	Ant1	2480	0.72	2479.67	2480.39	0.5	PASS

Test Graphs





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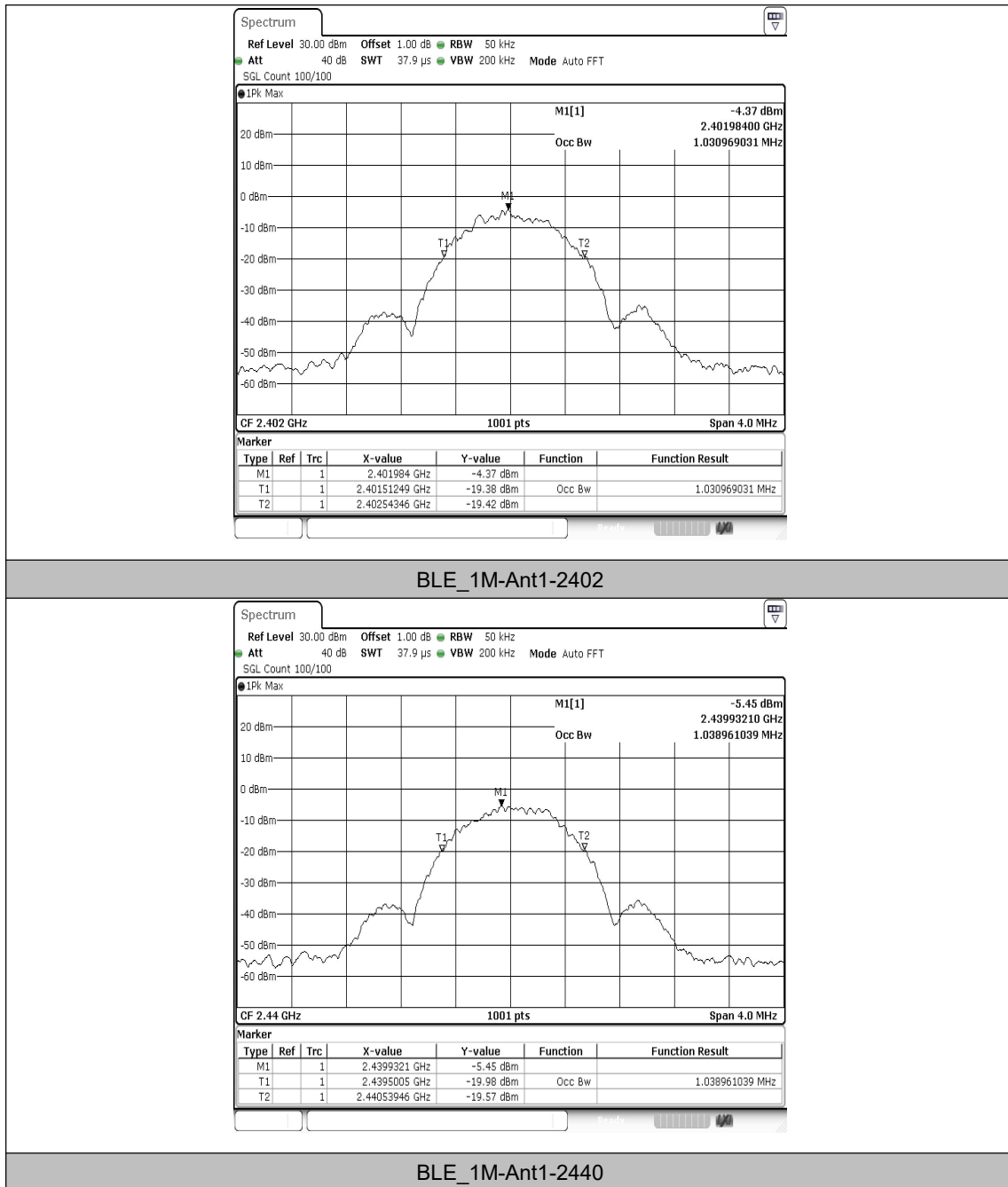
Appendix B: 99% Occupied Bandwidth

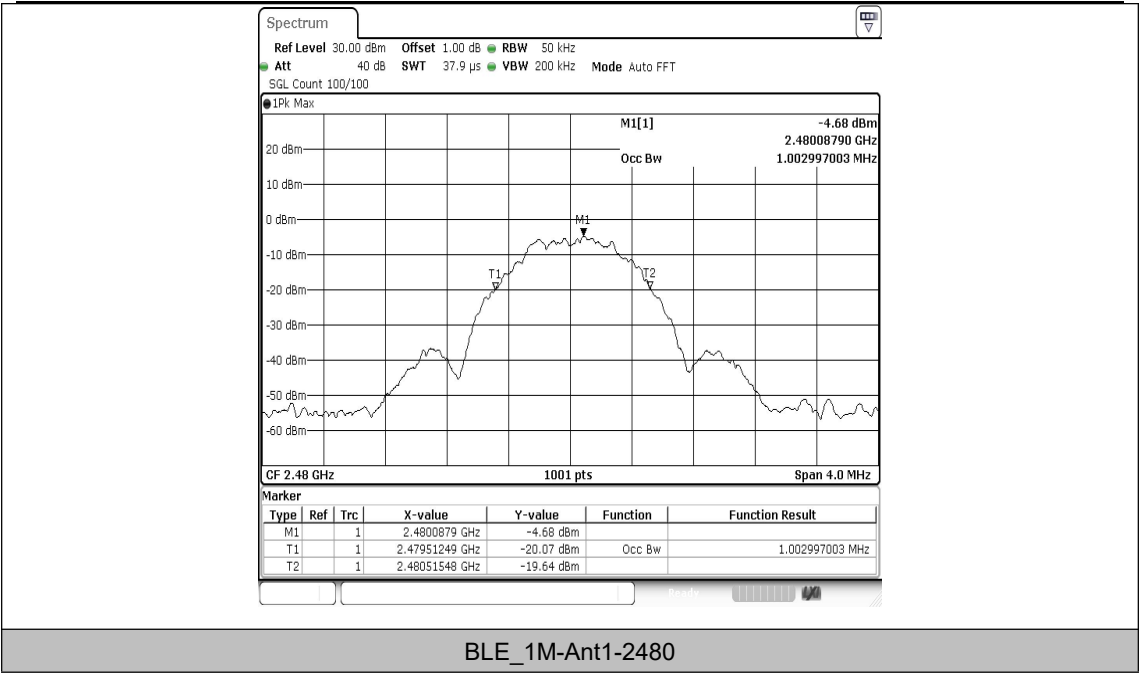
Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0310	2401.5125	2402.5435	---	---
BLE_1M	Ant1	2440	1.0390	2439.5005	2440.5395	---	---
BLE_1M	Ant1	2480	1.0030	2479.5125	2480.5155	---	---



Test Graphs





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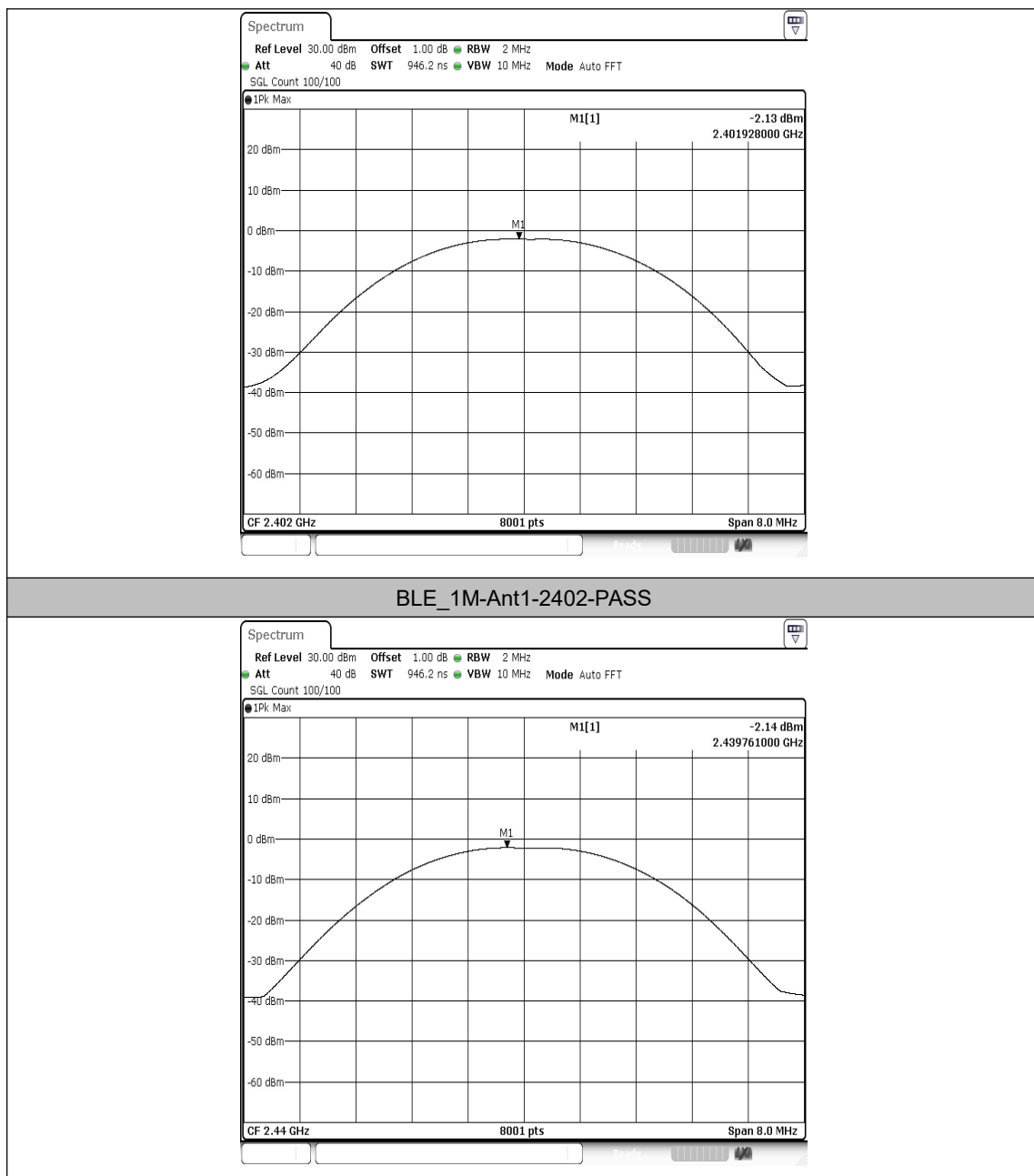
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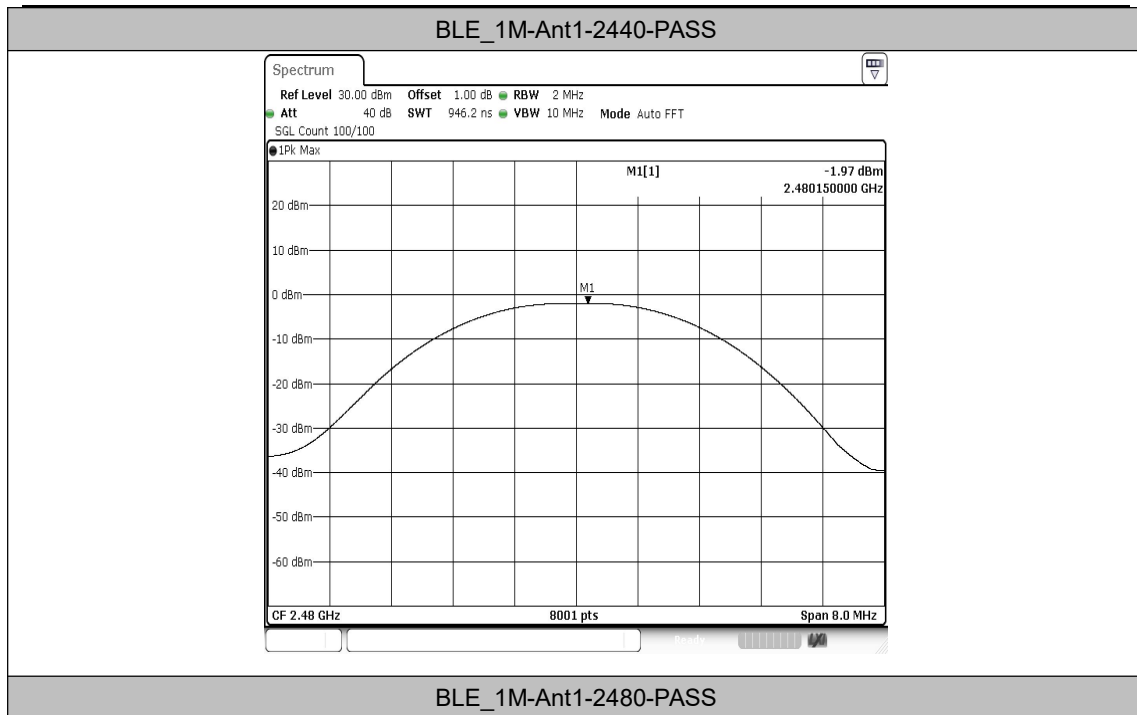
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-2.13	≤30	PASS
BLE_1M	Ant1	2440	-2.14	≤30	PASS
BLE_1M	Ant1	2480	-1.97	≤30	PASS

Test Graphs Peak





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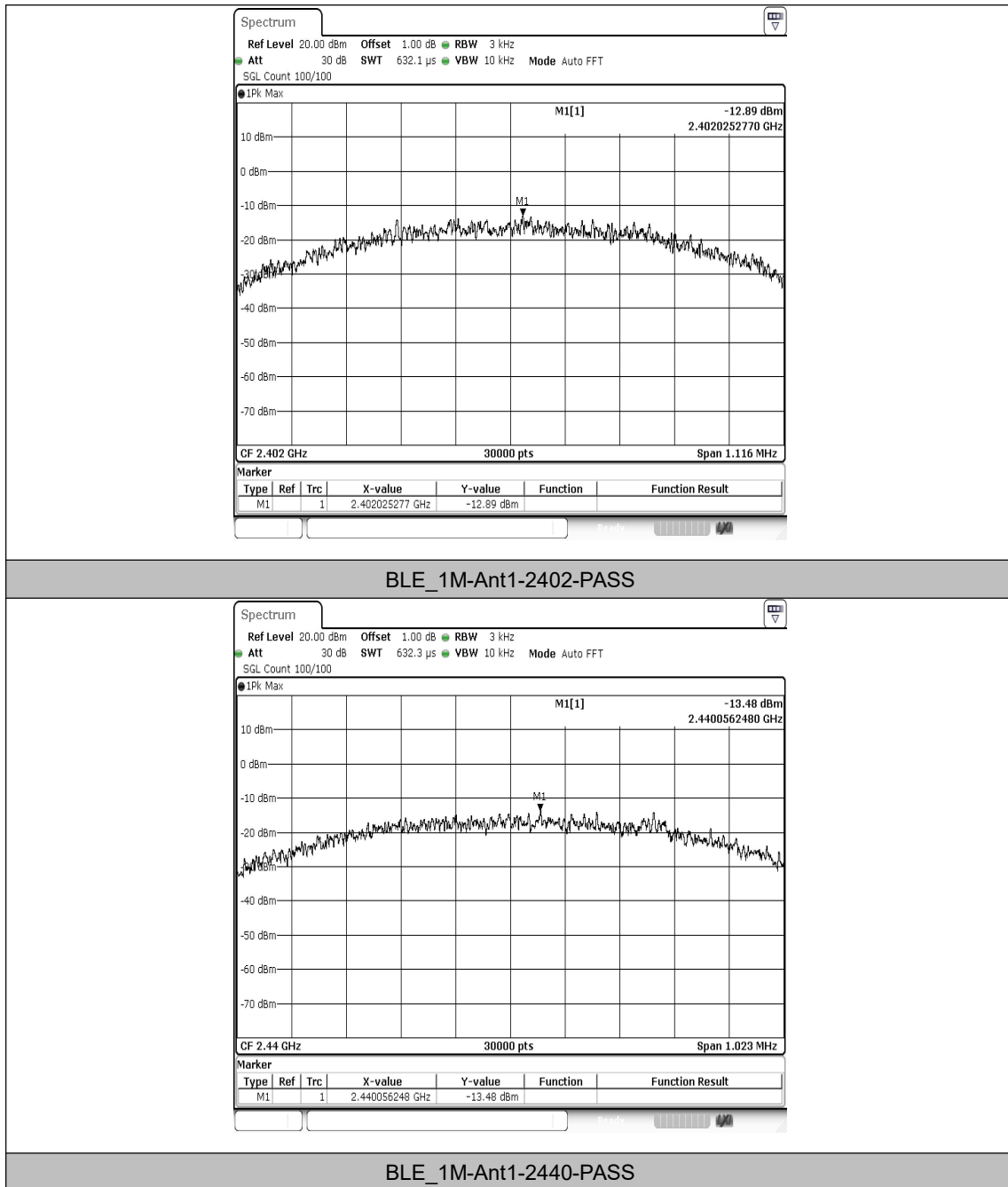
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.89	≤8.00	PASS
BLE_1M	Ant1	2440	-13.48	≤8.00	PASS
BLE_1M	Ant1	2480	-12.46	≤8.00	PASS

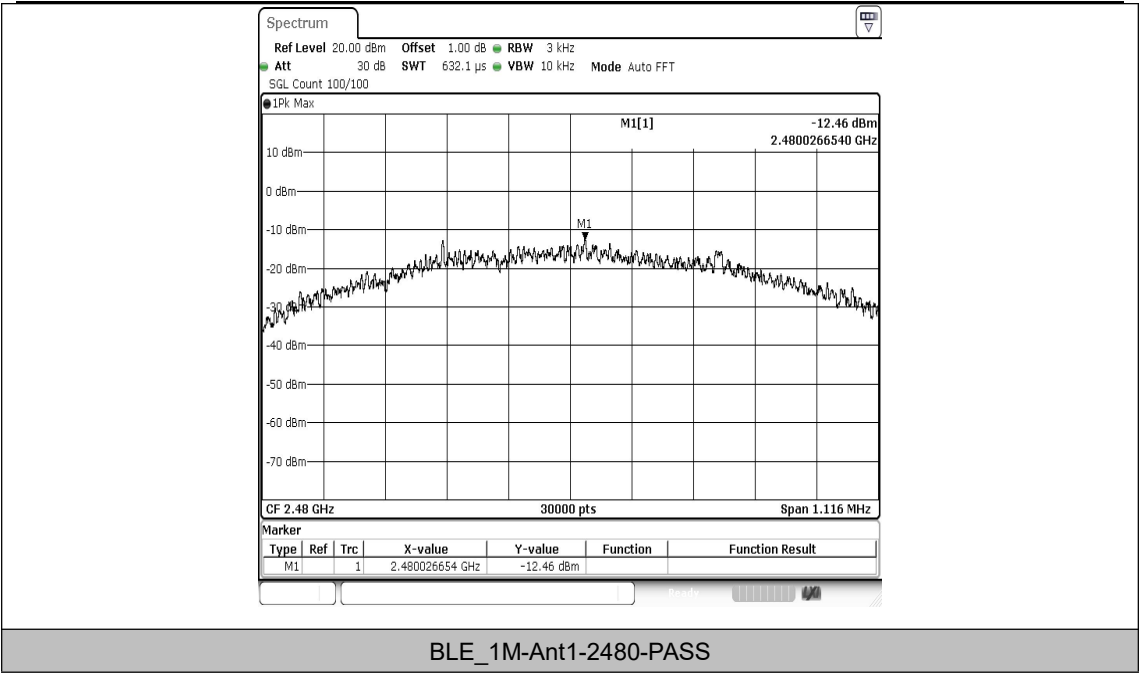
Test Graphs



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Appendix E: Band edge measurements

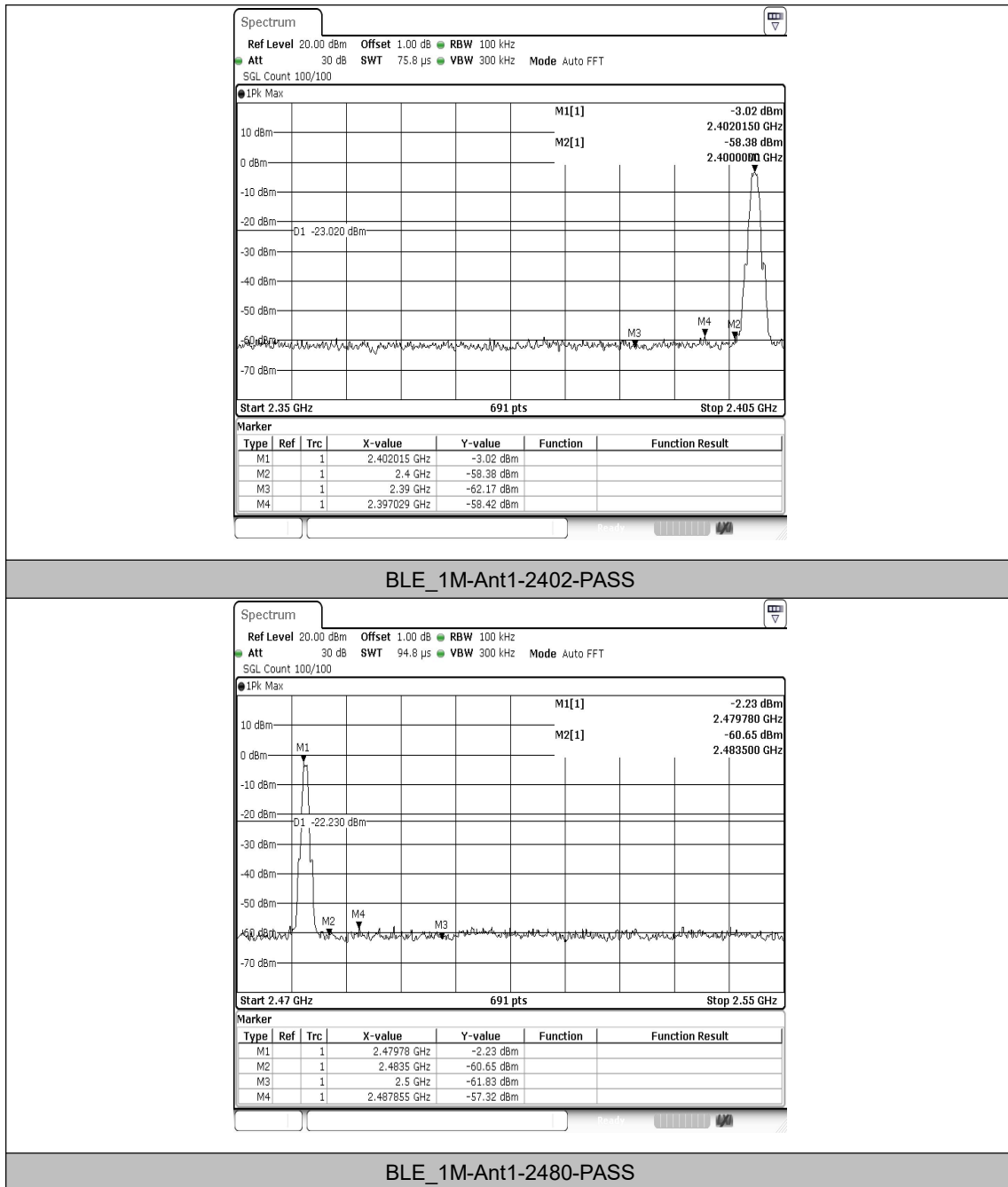
Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-3.02	-58.42	≤-23.02	PASS
BLE_1M	Ant1	High	2480	-2.23	-57.32	≤-22.23	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



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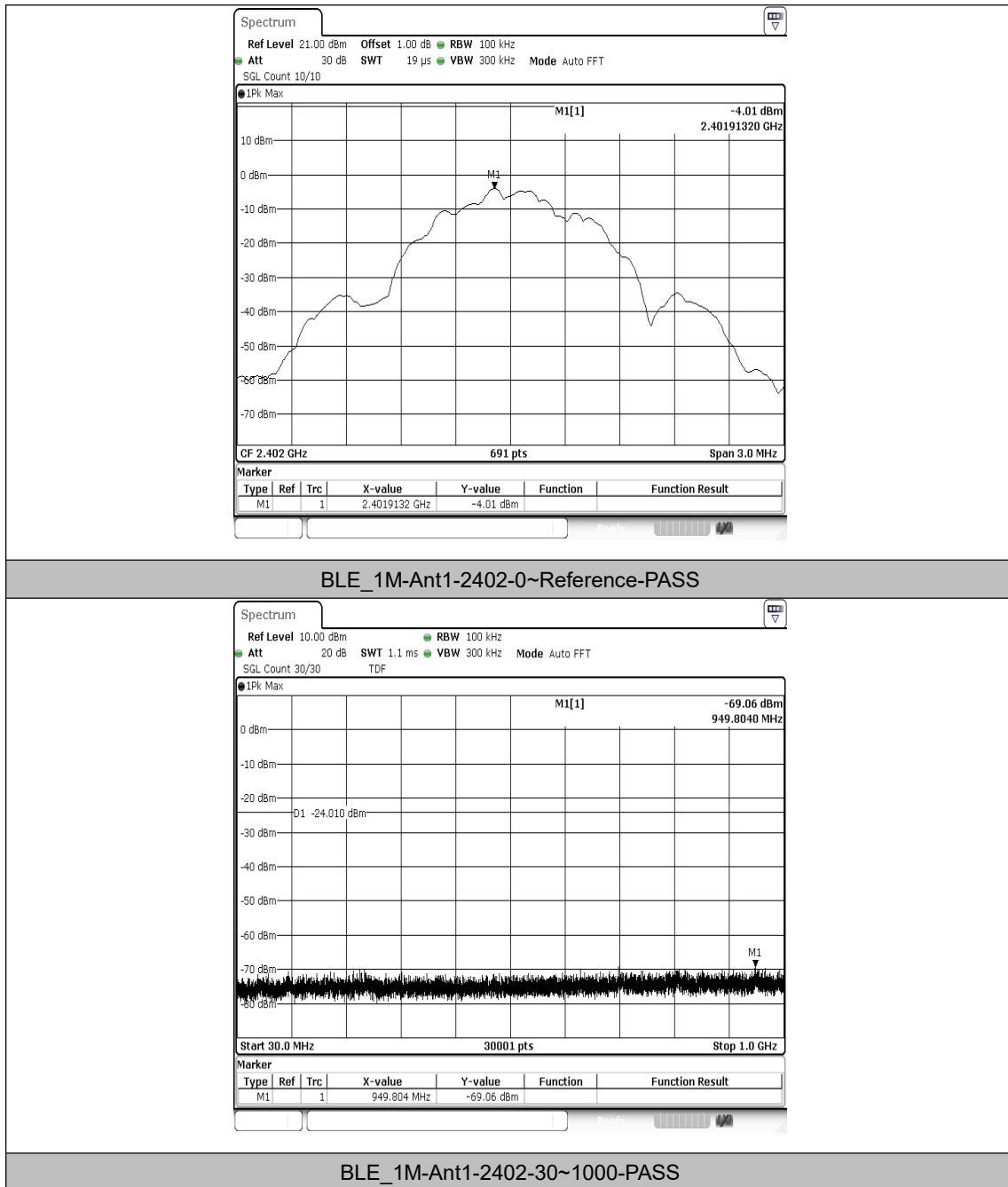
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-4.01	-4.01	---	PASS
BLE_1M	Ant1	2402	30~1000	-4.01	-69.06	≤-24.01	PASS
BLE_1M	Ant1	2402	1000~26500	-4.01	-29.3	≤-24.01	PASS
BLE_1M	Ant1	2440	0~Reference	-4.52	-4.52	---	PASS
BLE_1M	Ant1	2440	30~1000	-4.52	-69.27	≤-24.52	PASS
BLE_1M	Ant1	2440	1000~26500	-4.52	-28.65	≤-24.52	PASS
BLE_1M	Ant1	2480	0~Reference	-4.03	-4.03	---	PASS
BLE_1M	Ant1	2480	30~1000	-4.03	-69.33	≤-24.03	PASS
BLE_1M	Ant1	2480	1000~26500	-4.03	-25.8	≤-24.03	PASS

Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose and attenuator factor s have been set in the 'TDF' of the Spectrum Analyzer during the test.

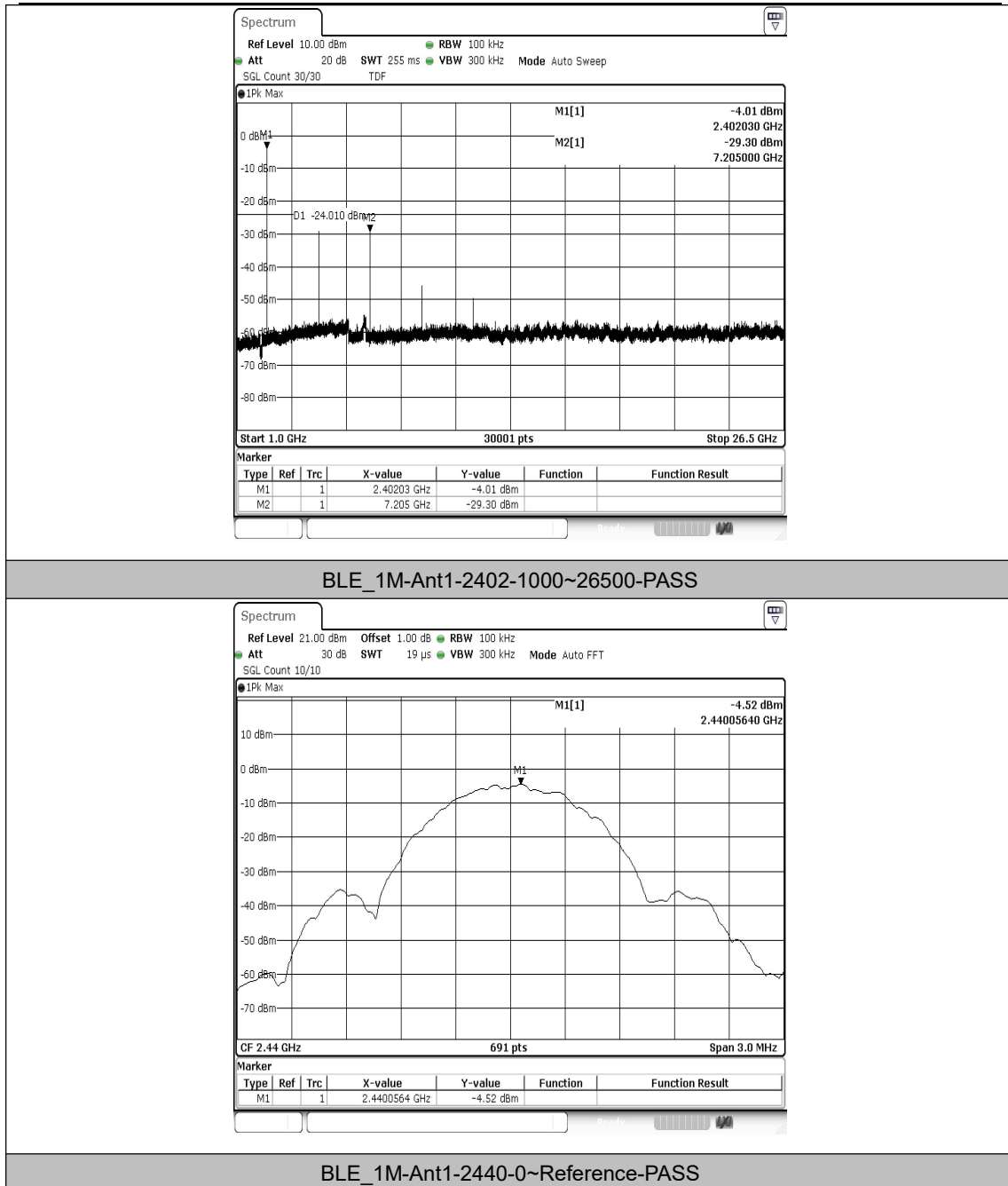
Test Graphs



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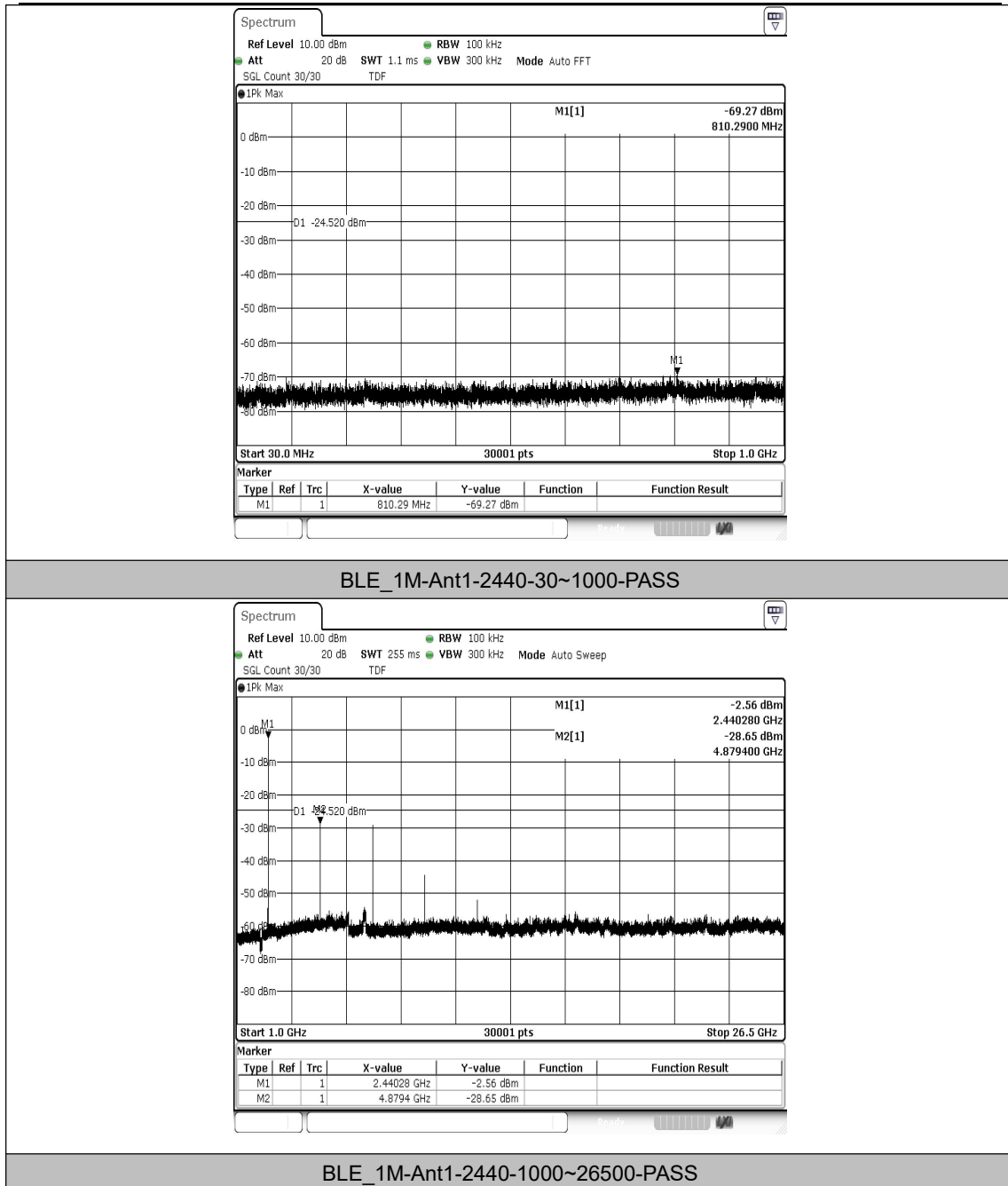
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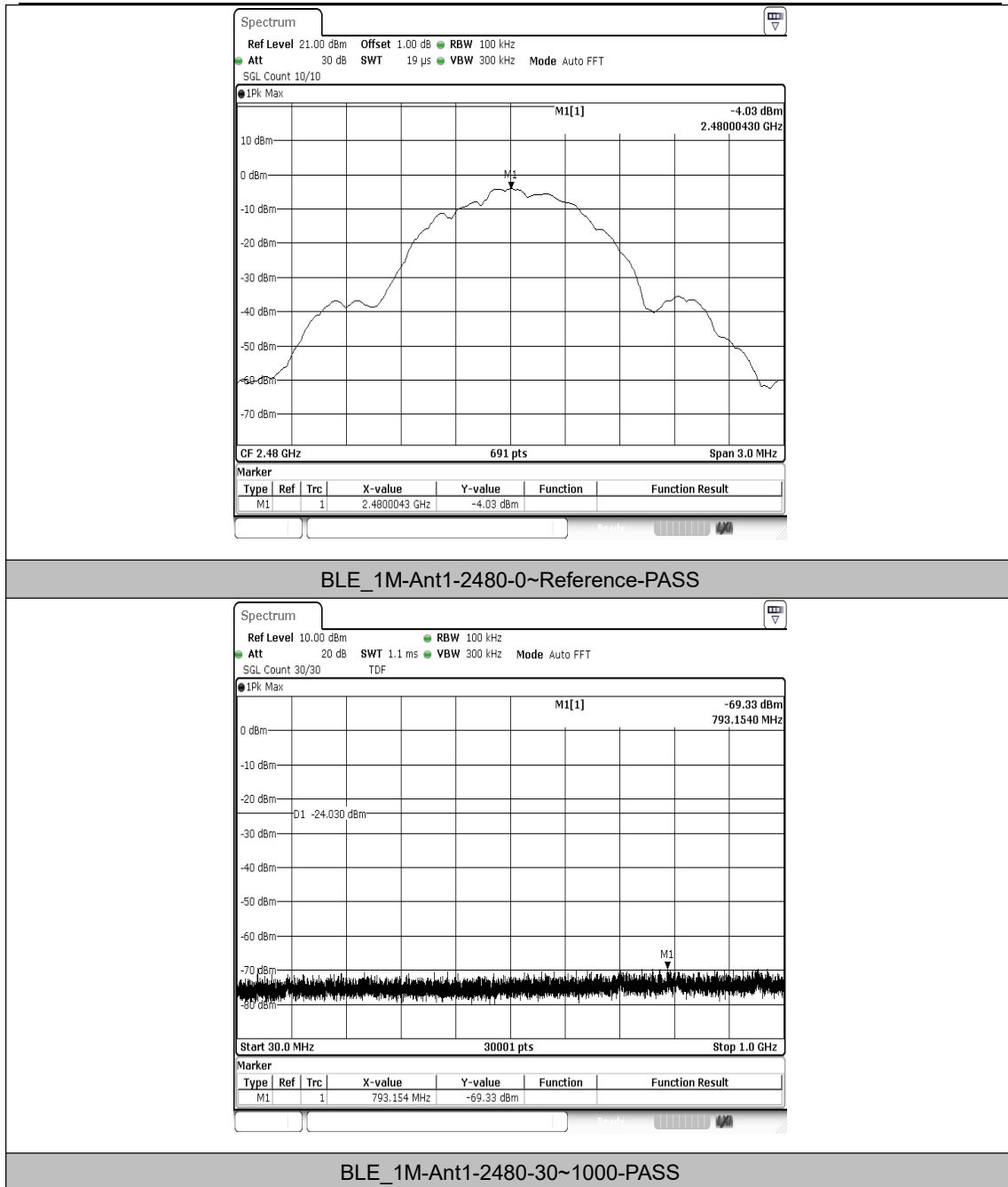
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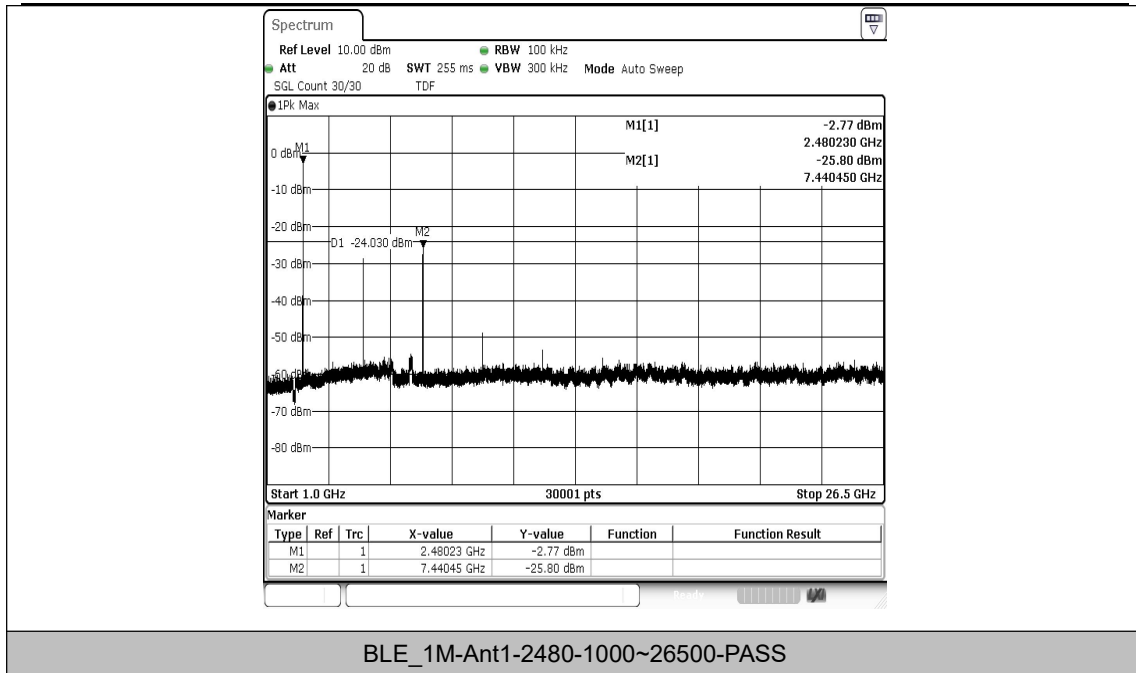


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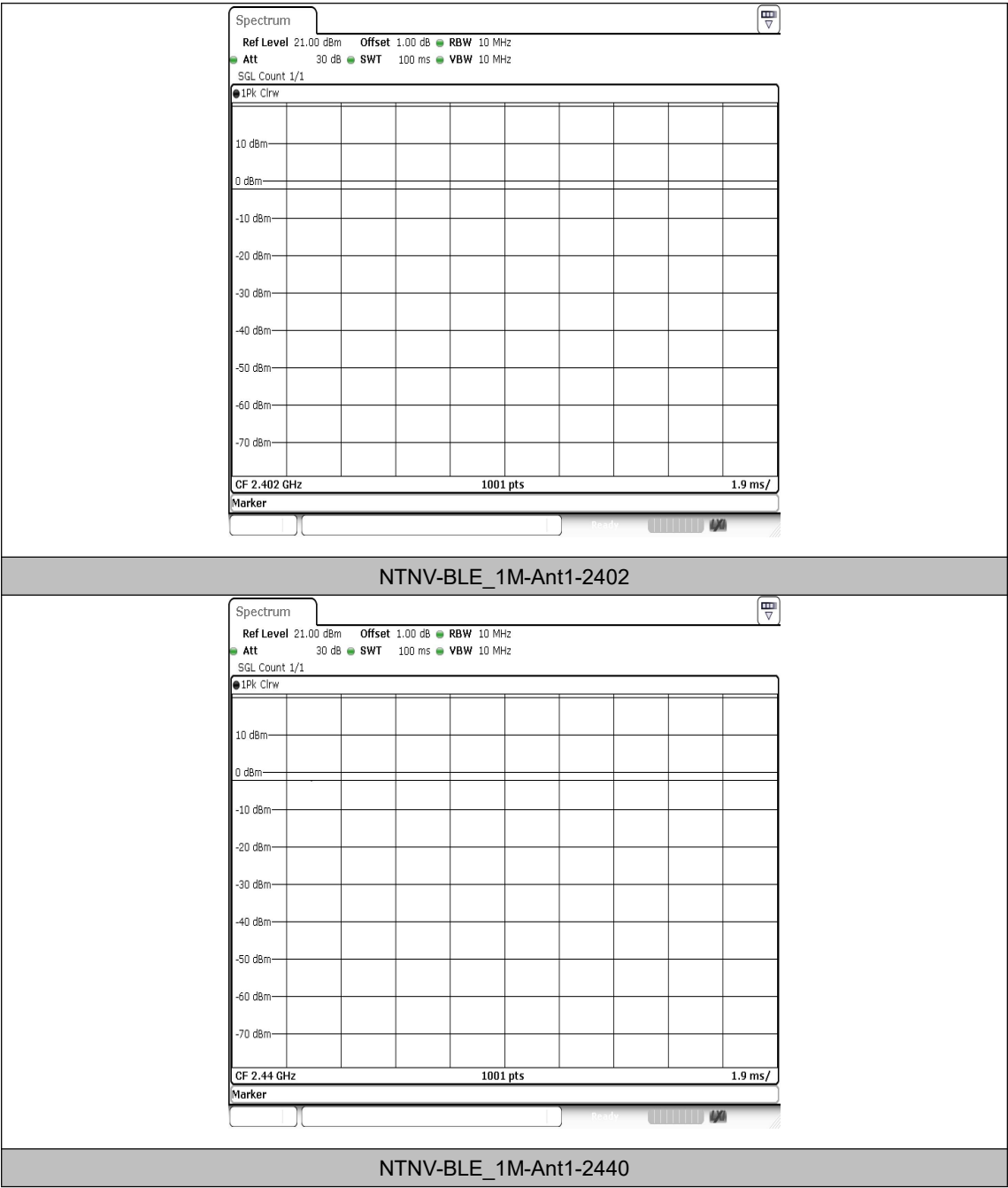
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Appendix G: Duty Cycle

Test Result

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

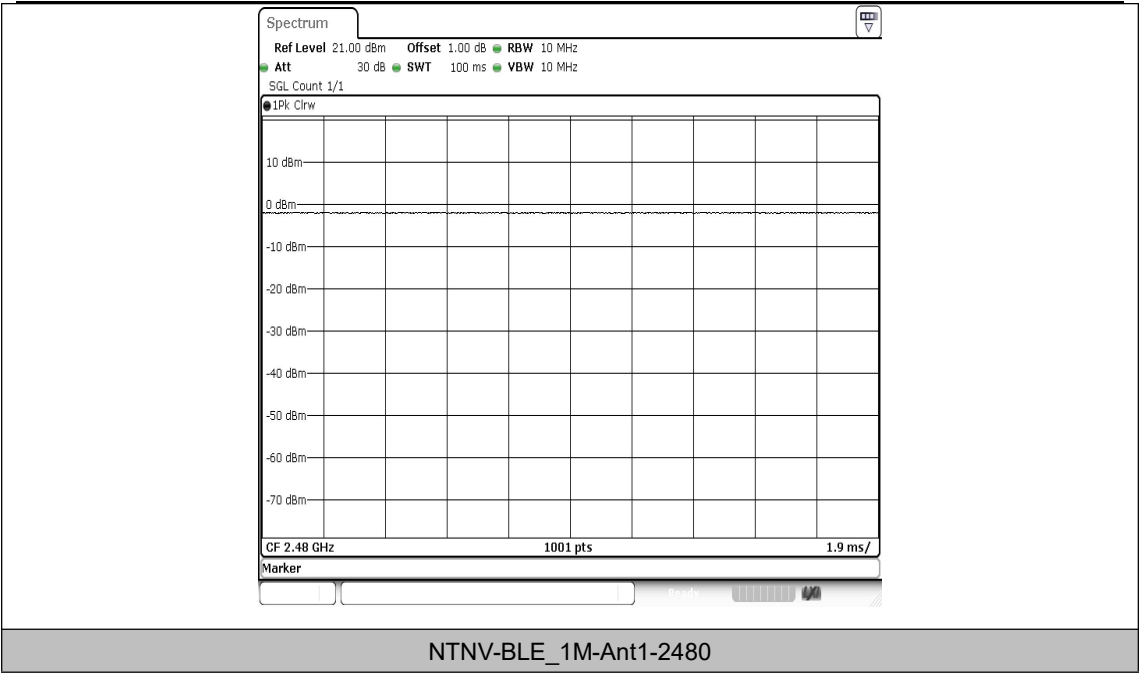
Test Graphs



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