

Appendix Test Data

Report No.:	1812C50534412502-01	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		

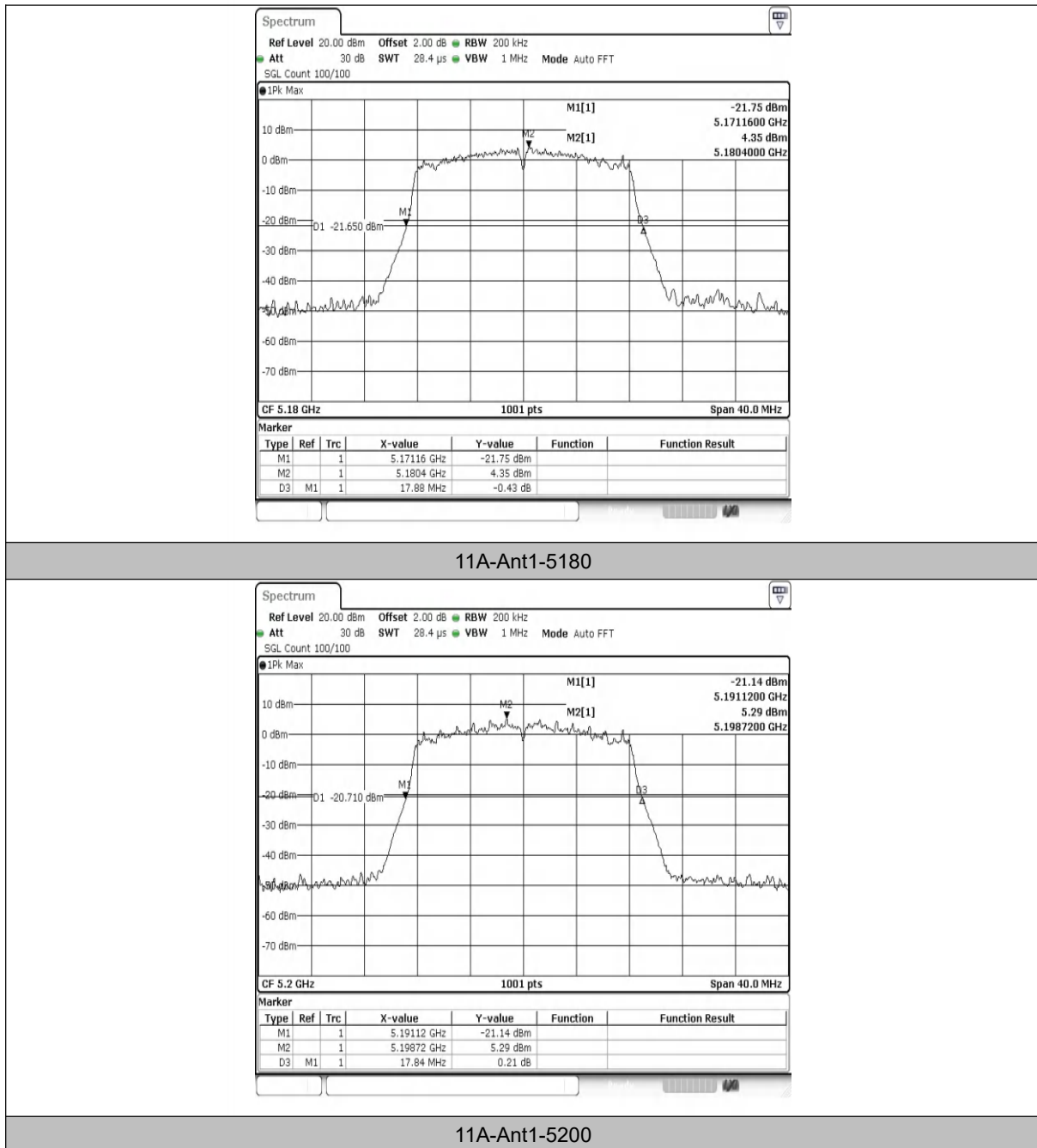


Appendix A1: 26dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.88	5171.16	5189.04	---	---
11A	Ant1	5200	17.84	5191.12	5208.96	---	---
11A	Ant1	5240	17.6	5231.2	5248.8	---	---
11N20SISO	Ant1	5180	18.44	5170.8	5189.24	---	---
11N20SISO	Ant1	5200	18.48	5190.8	5209.28	---	---
11N20SISO	Ant1	5240	18.44	5230.8	5249.24	---	---
11N40SISO	Ant1	5190	38.24	5170.8	5209.04	---	---
11N40SISO	Ant1	5230	38.24	5210.8	5249.04	---	---
11AC20SISO	Ant1	5180	18.64	5170.72	5189.36	---	---
11AC20SISO	Ant1	5200	18.8	5190.56	5209.36	---	---
11AC20SISO	Ant1	5240	18.8	5230.52	5249.32	---	---
11AC40SISO	Ant1	5190	38.56	5170.88	5209.44	---	---
11AC40SISO	Ant1	5230	38.48	5210.88	5249.36	---	---

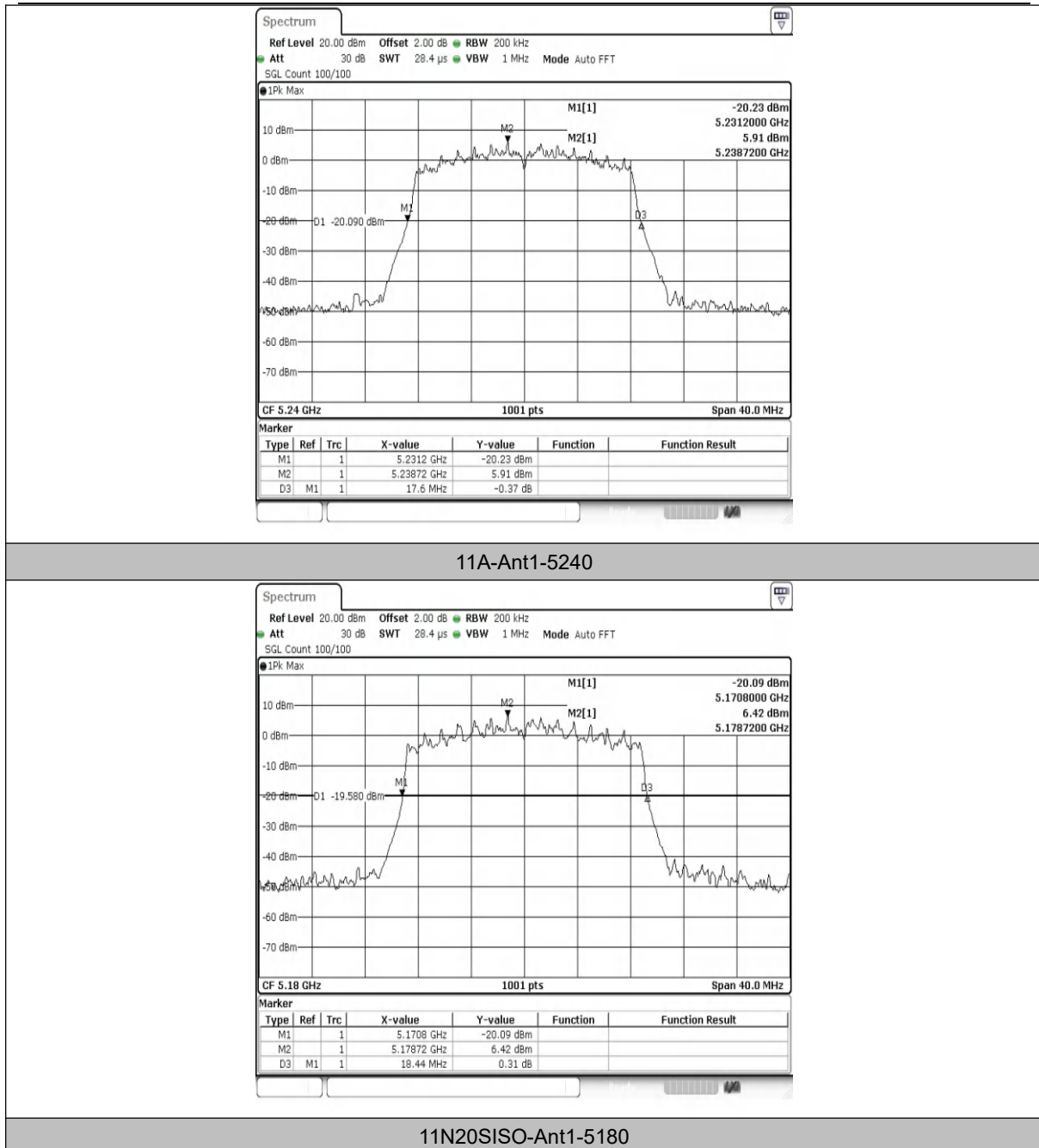
Test Graphs



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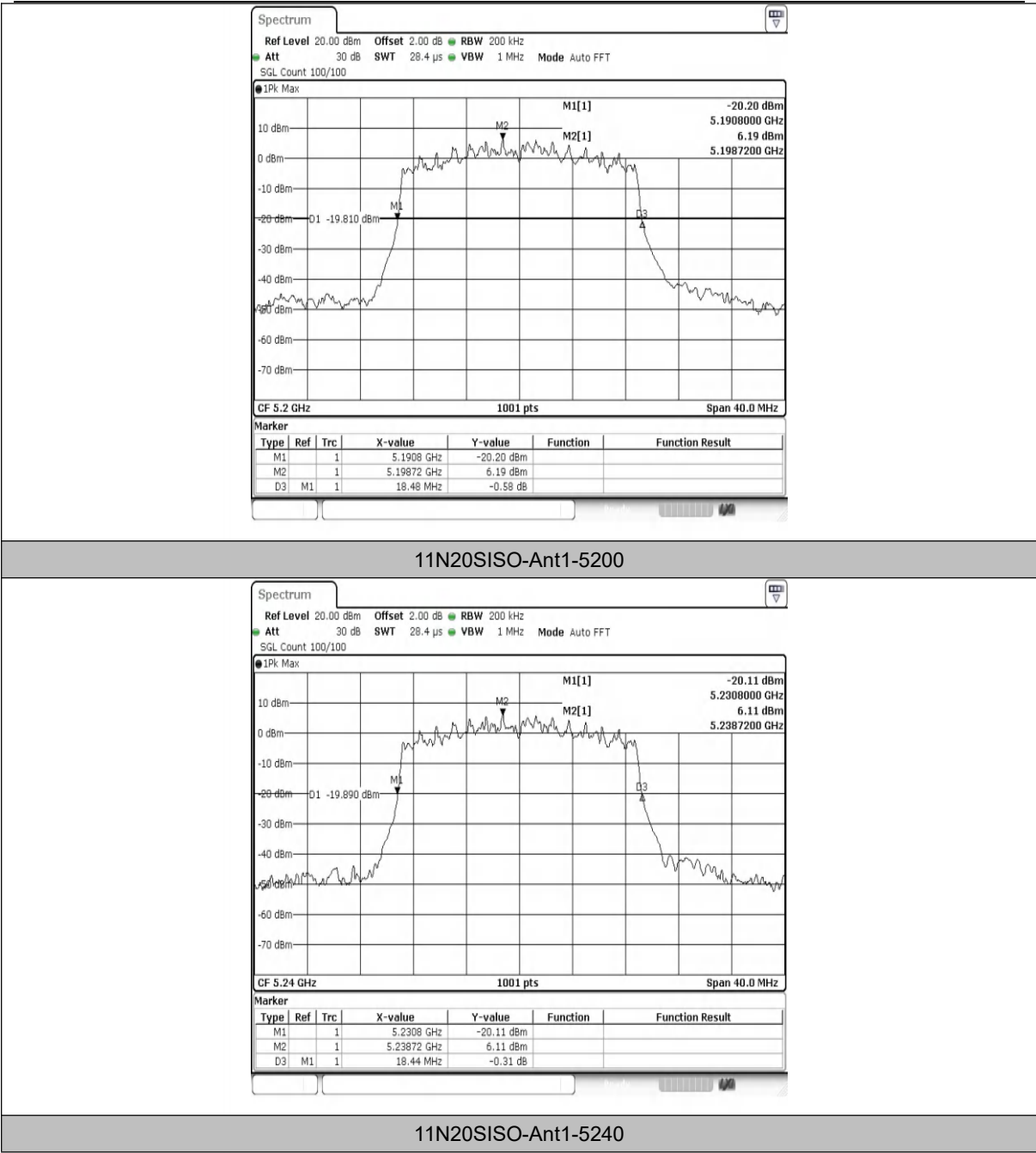
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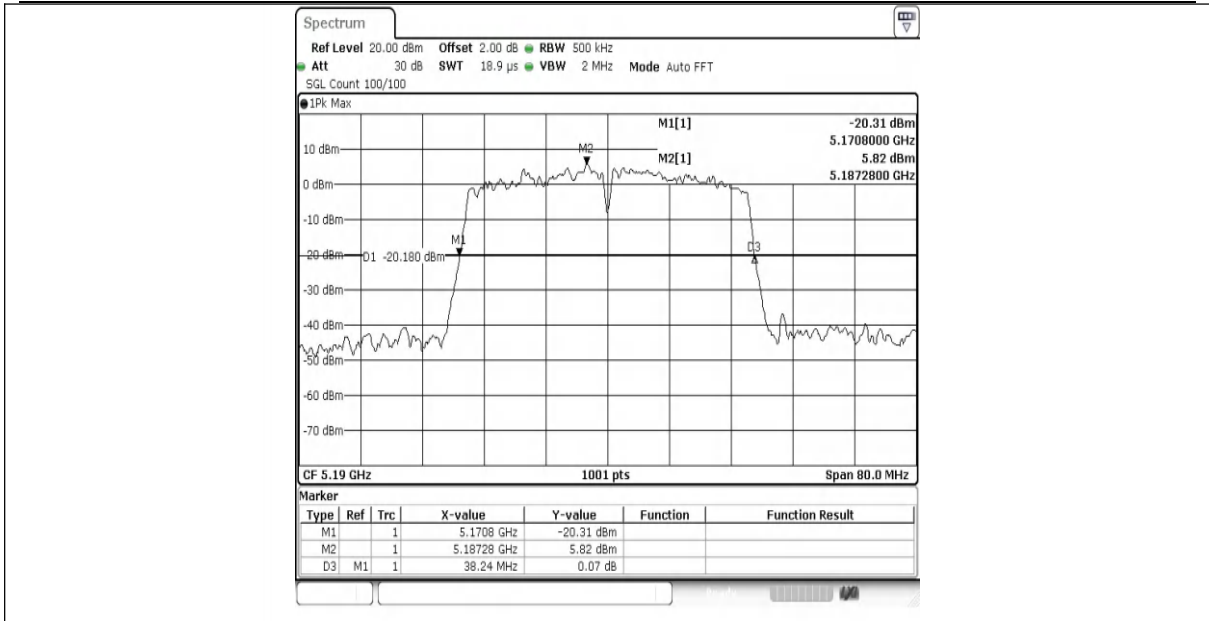


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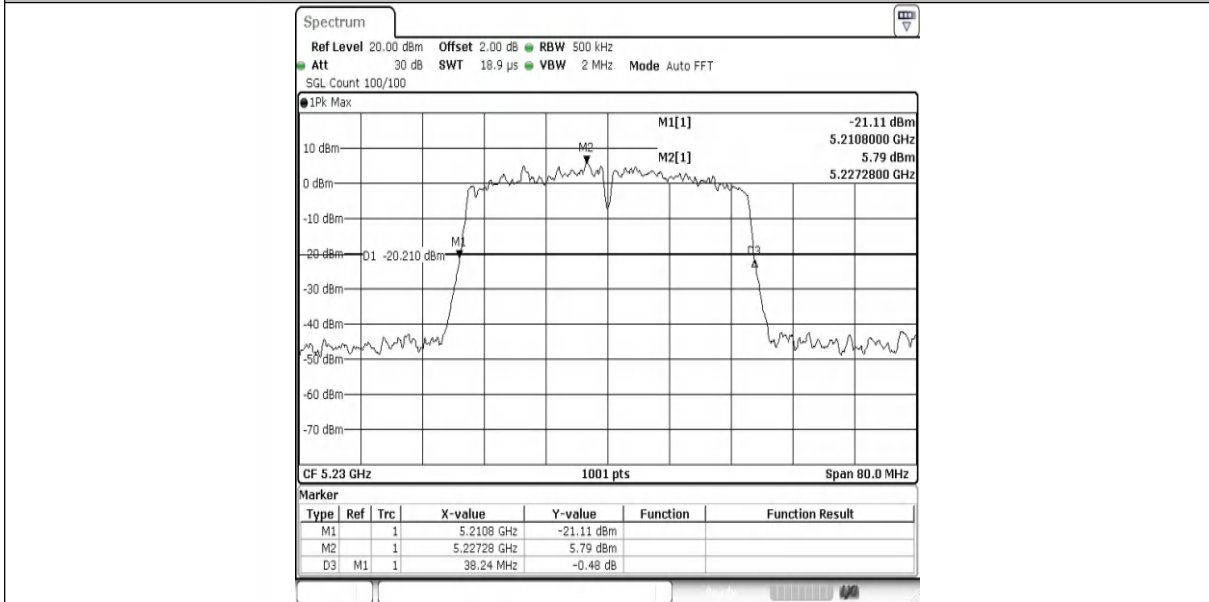
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11N40SISO-Ant1-5190

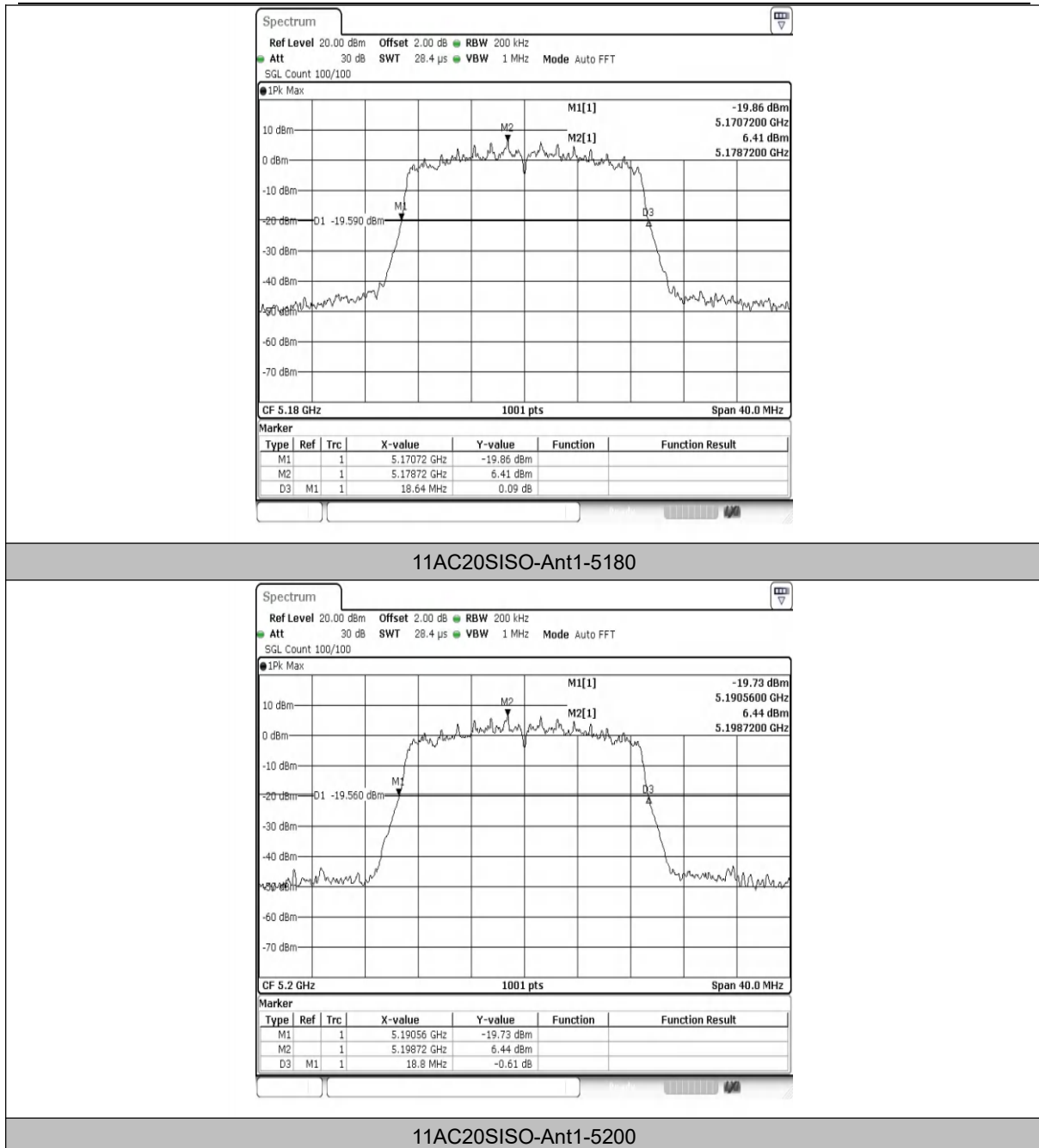


11N40SISO-Ant1-5230

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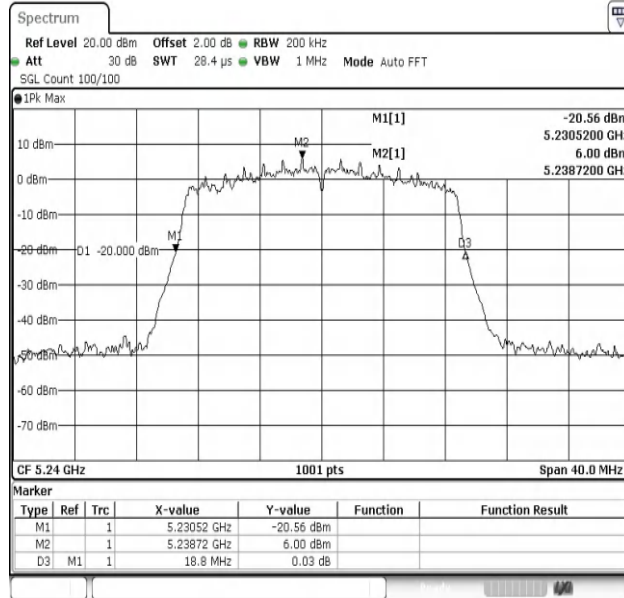
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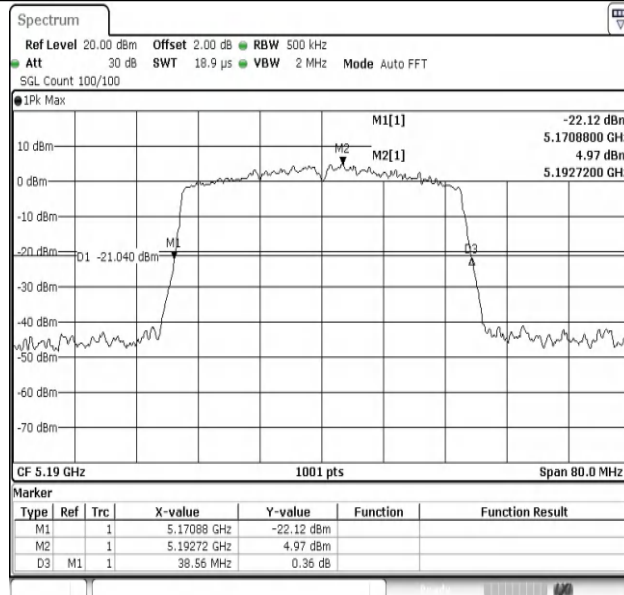
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11AC20SISO-Ant1-5240

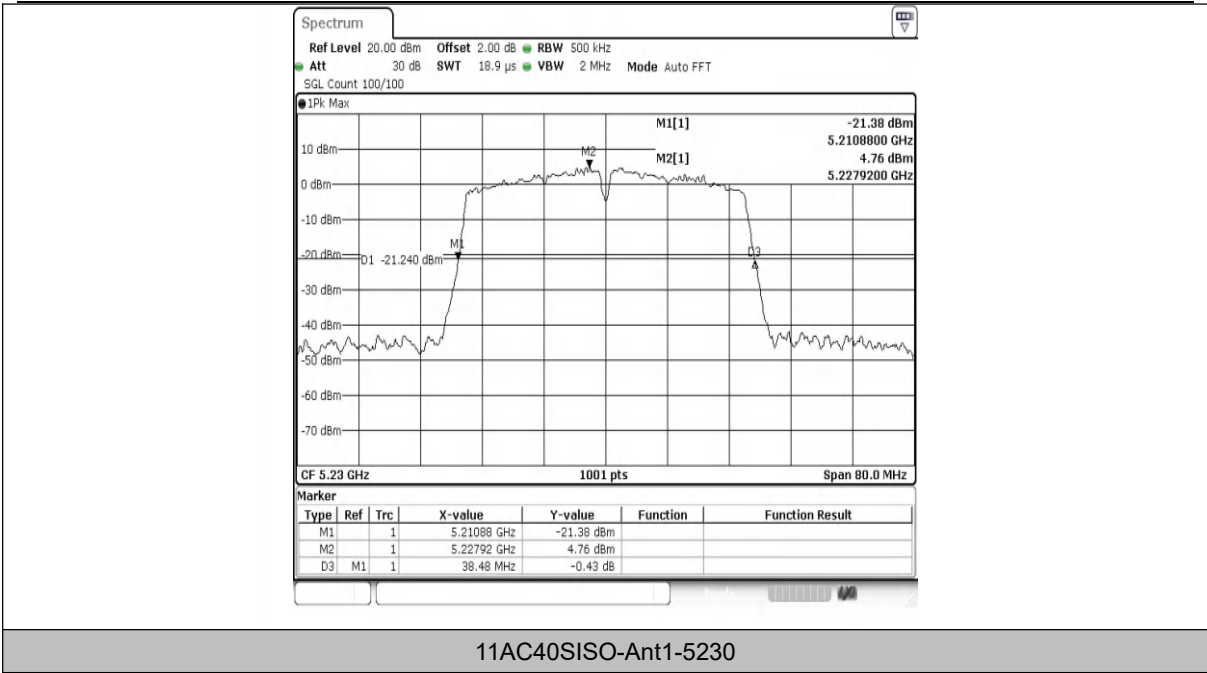


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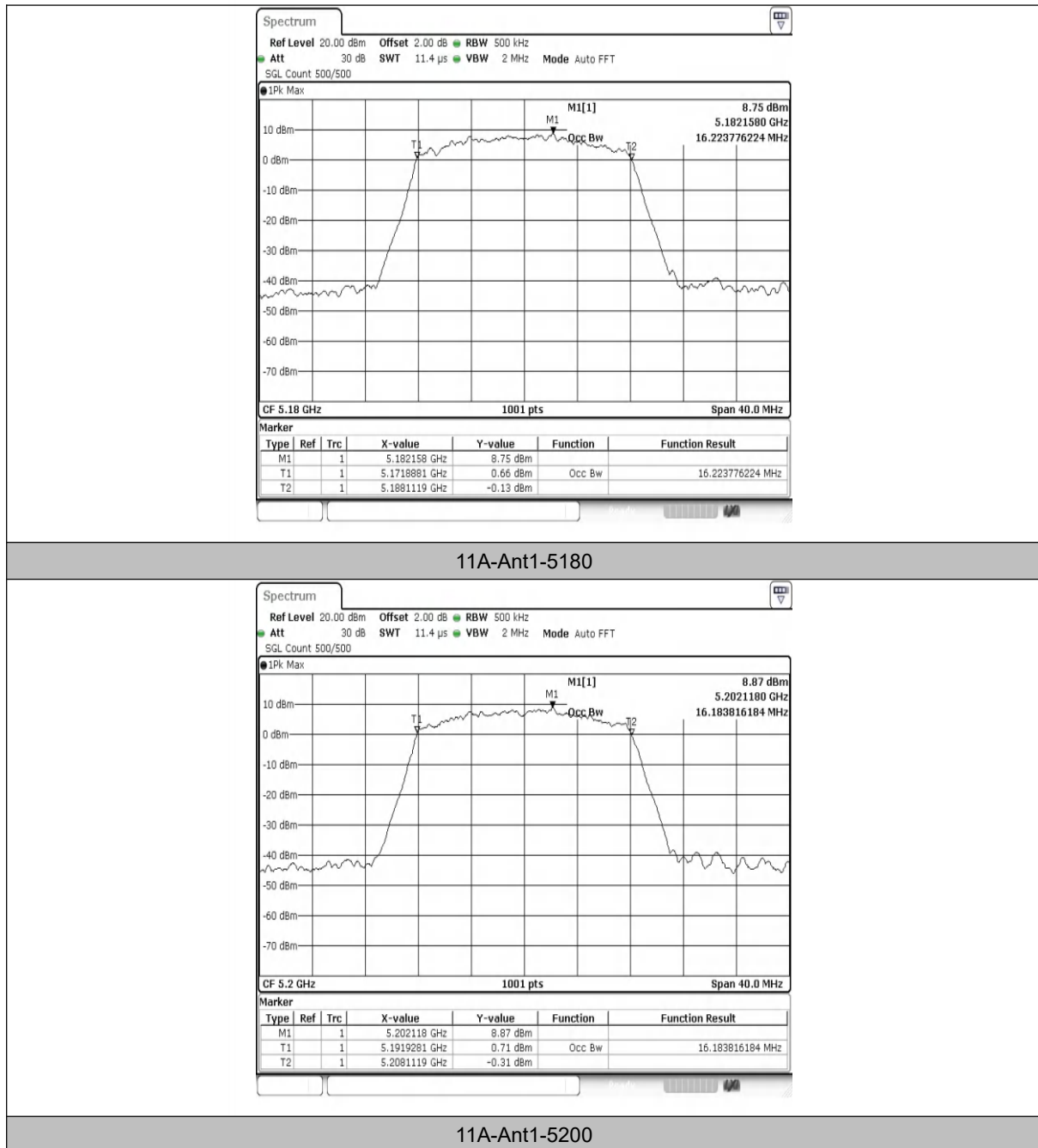
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Appendix A2: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.224	5171.8881	5188.1119	---	---
11A	Ant1	5200	16.184	5191.9281	5208.1119	---	---
11A	Ant1	5240	16.224	5231.8881	5248.1119	---	---
11N20SISO	Ant1	5180	17.303	5171.3686	5188.6713	---	---
11N20SISO	Ant1	5200	17.343	5191.3287	5208.6713	---	---
11N20SISO	Ant1	5240	17.343	5231.3287	5248.6713	---	---
11N40SISO	Ant1	5190	35.724	5172.0979	5207.8222	---	---
11N40SISO	Ant1	5230	35.724	5212.0979	5247.8222	---	---
11AC20SISO	Ant1	5180	17.383	5171.2887	5188.6713	---	---
11AC20SISO	Ant1	5200	17.383	5191.3287	5208.7113	---	---
11AC20SISO	Ant1	5240	17.383	5231.2887	5248.6713	---	---
11AC40SISO	Ant1	5190	35.405	5172.2577	5207.6623	---	---
11AC40SISO	Ant1	5230	35.485	5212.2577	5247.7423	---	---

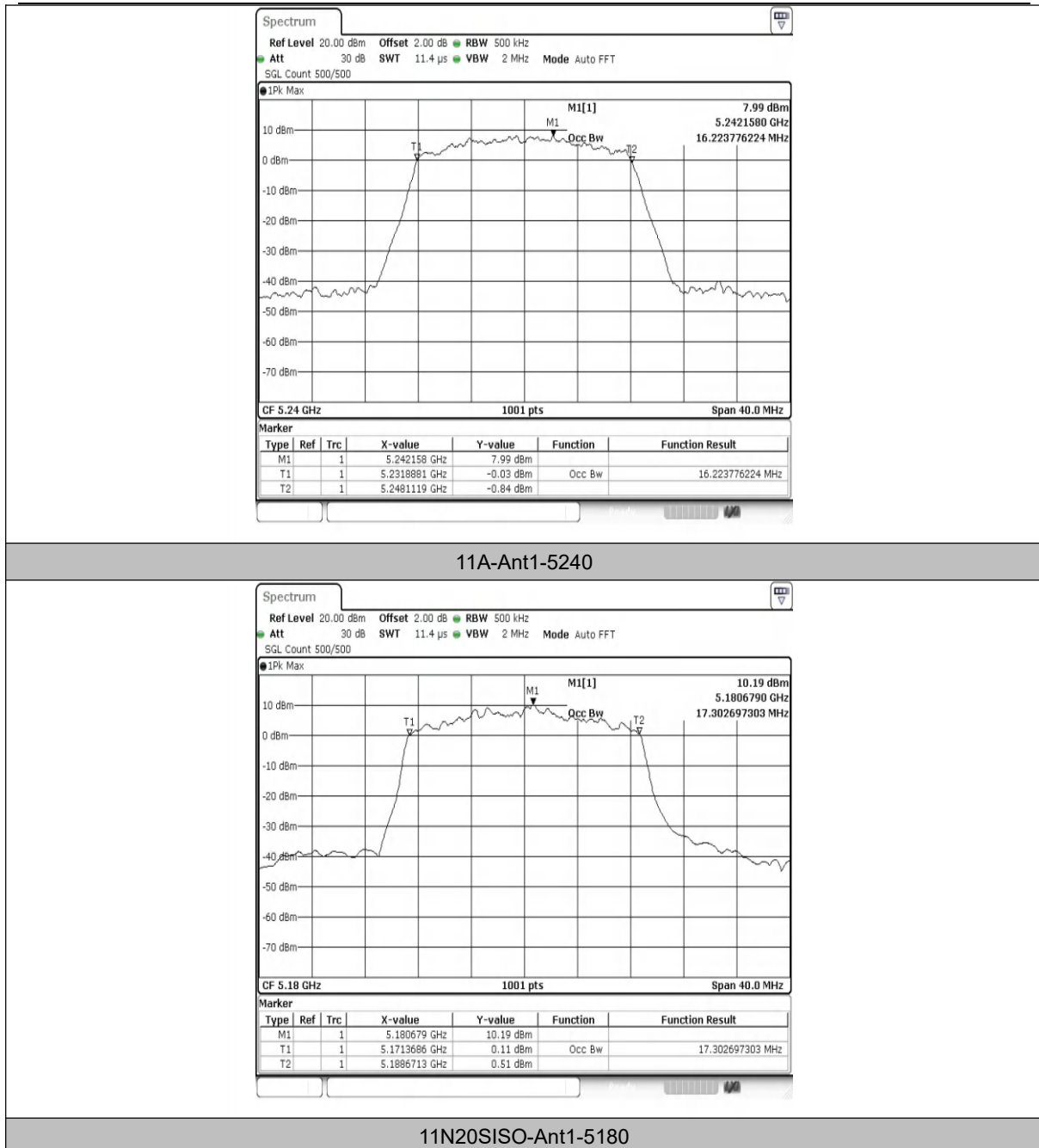
Test Graphs



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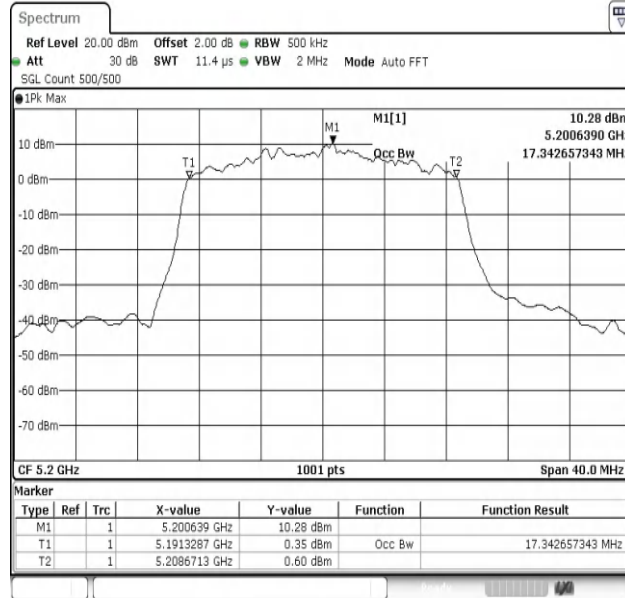
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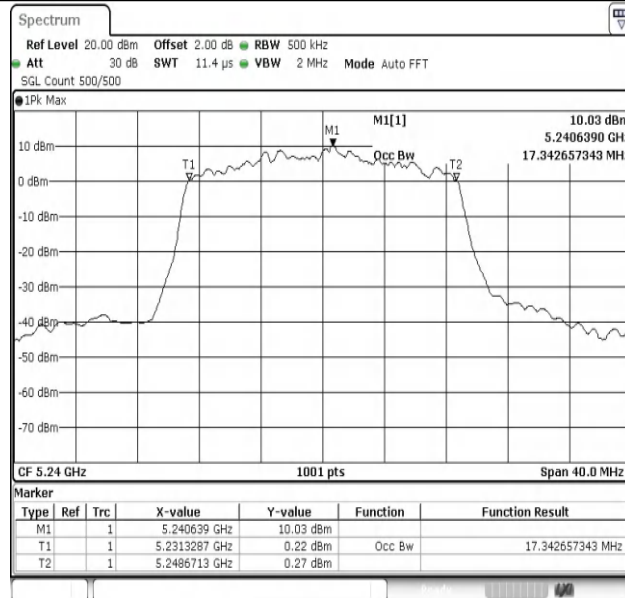
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11N20SISO-Ant1-5200

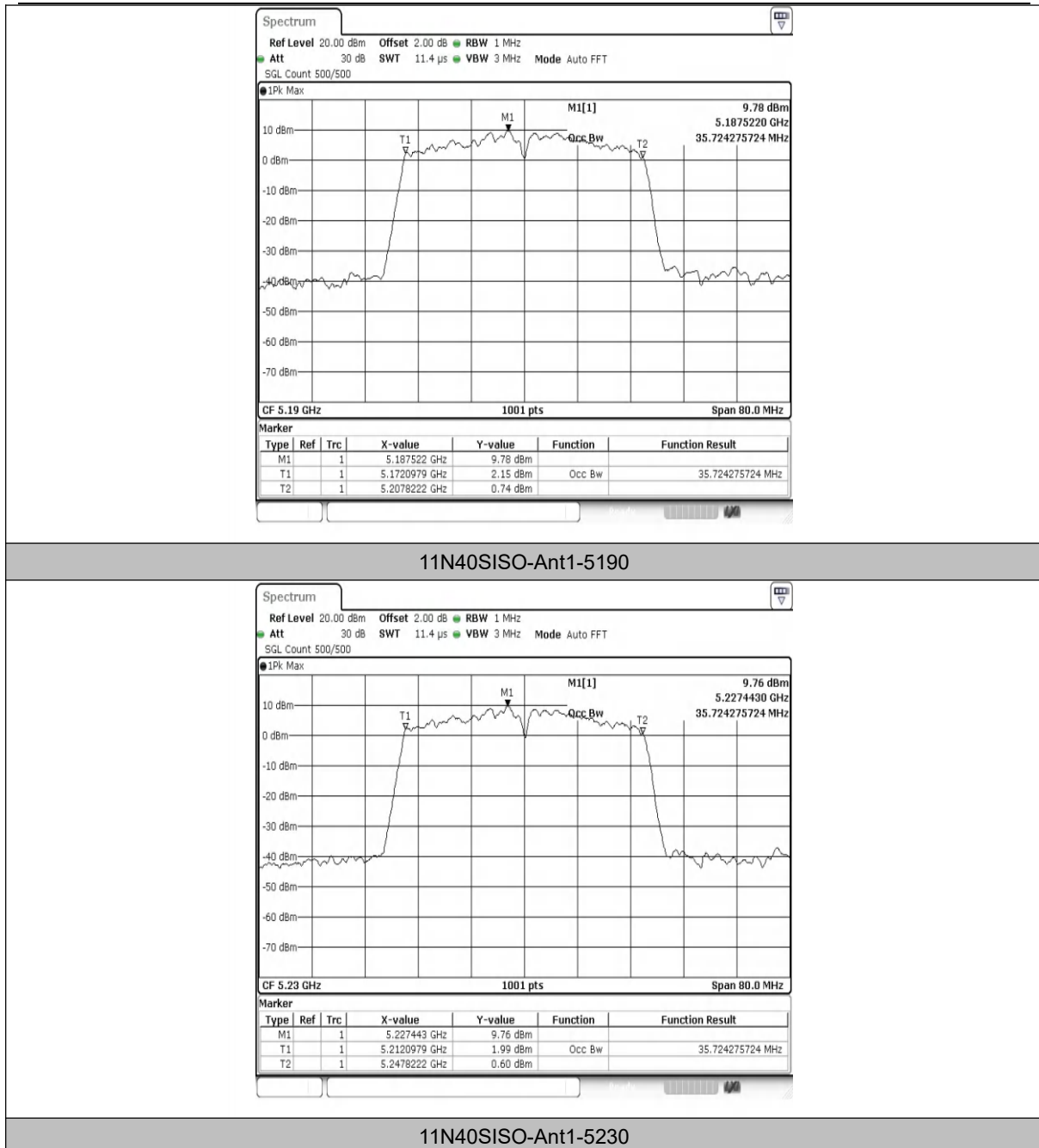


11N20SISO-Ant1-5240

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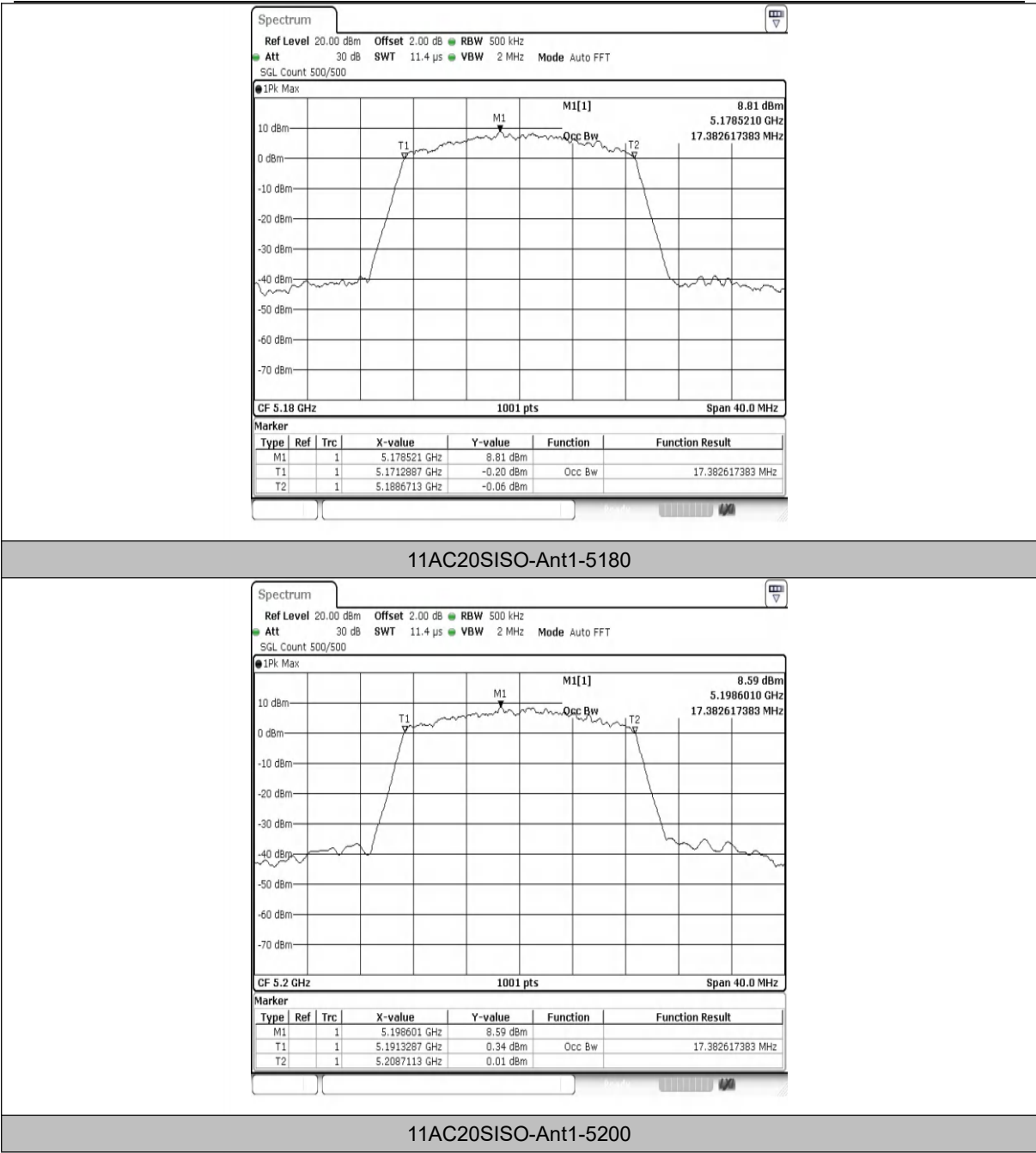
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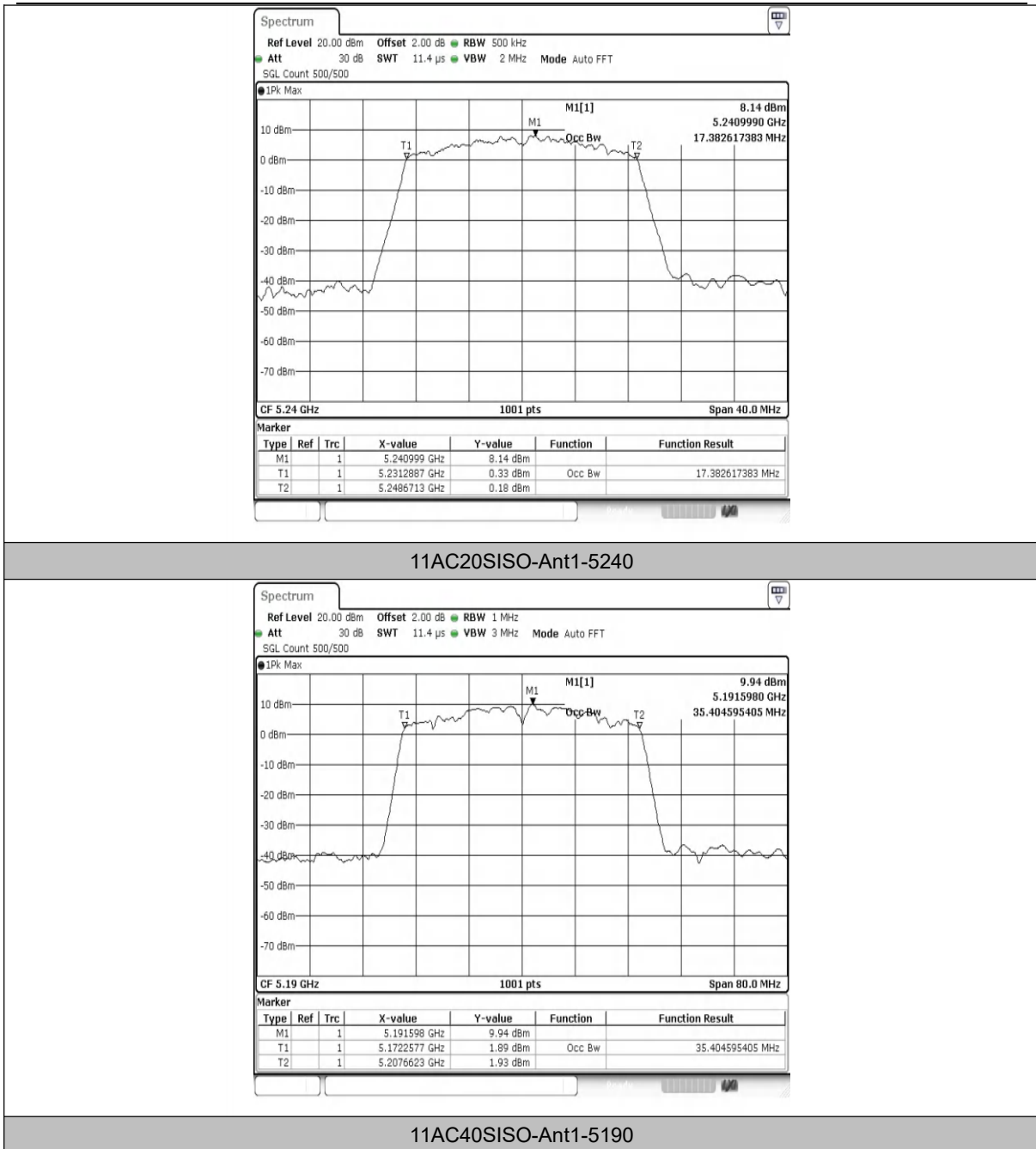


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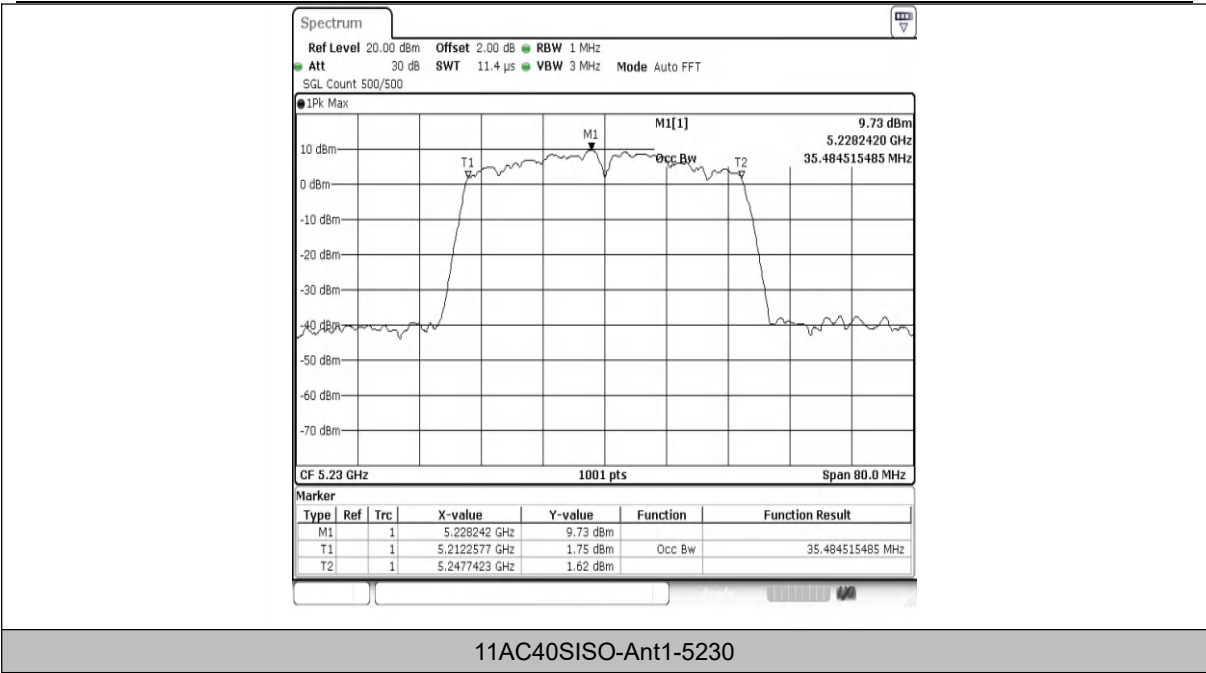




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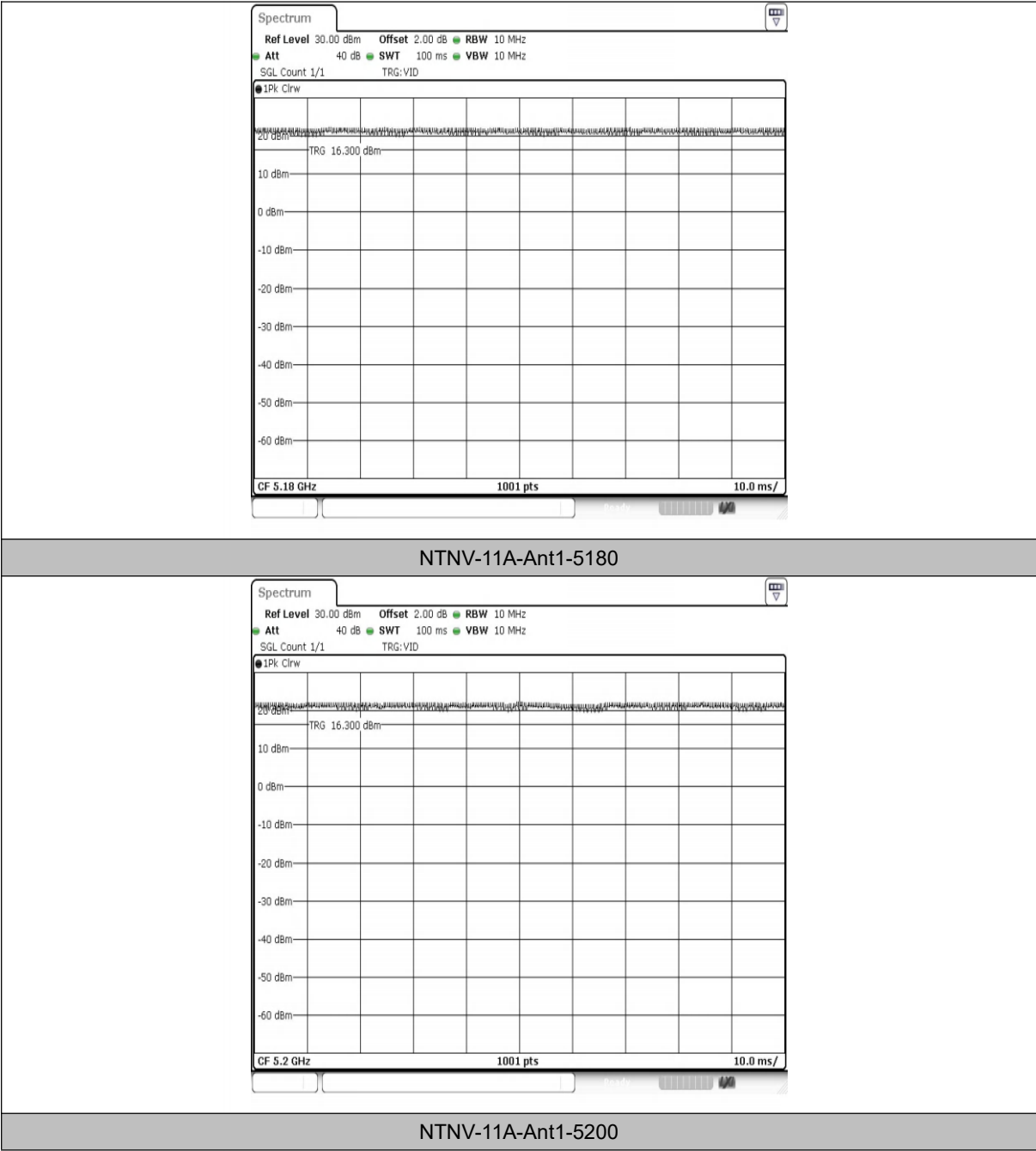
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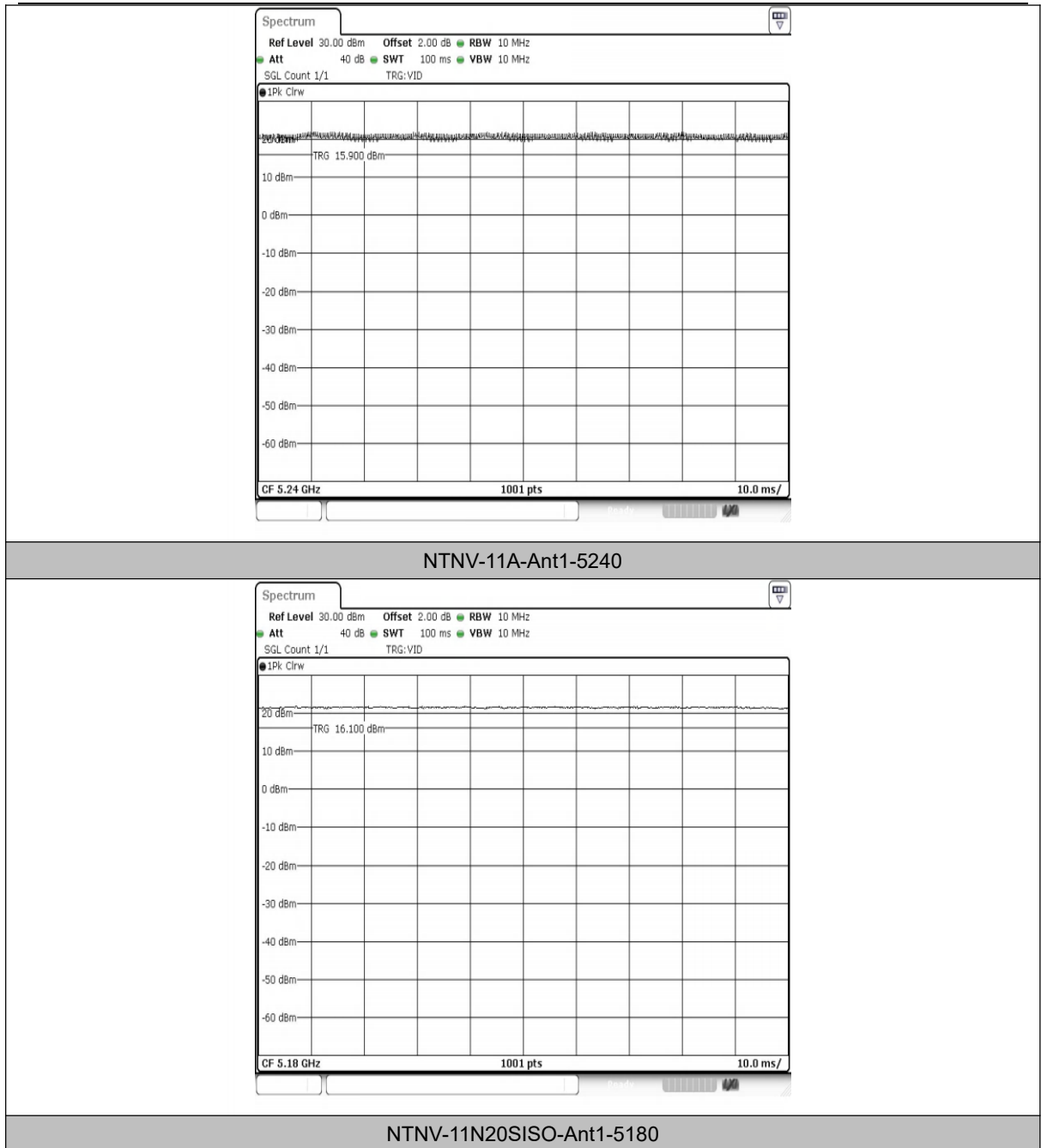
Appendix B: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Dc Factor [dB]	1/T
11A	Ant1	5180	100	100	100	0	0.01
11A	Ant1	5200	100	100	100	0	0.01
11A	Ant1	5240	100	100	100	0	0.01
11N20SISO	Ant1	5180	100	100	100	0	0.01
11N20SISO	Ant1	5200	100	100	100	0	0.01
11N20SISO	Ant1	5240	100	100	100	0	0.01
11N40SISO	Ant1	5190	100	100	100	0	0.01
11N40SISO	Ant1	5230	100	100	100	0	0.01
11AC20SISO	Ant1	5180	100	100	100	0	0.01
11AC20SISO	Ant1	5200	100	100	100	0	0.01
11AC20SISO	Ant1	5240	100	100	100	0	0.01
11AC40SISO	Ant1	5190	100	100	100	0	0.01
11AC40SISO	Ant1	5230	100	100	100	0	0.01

Test Graphs

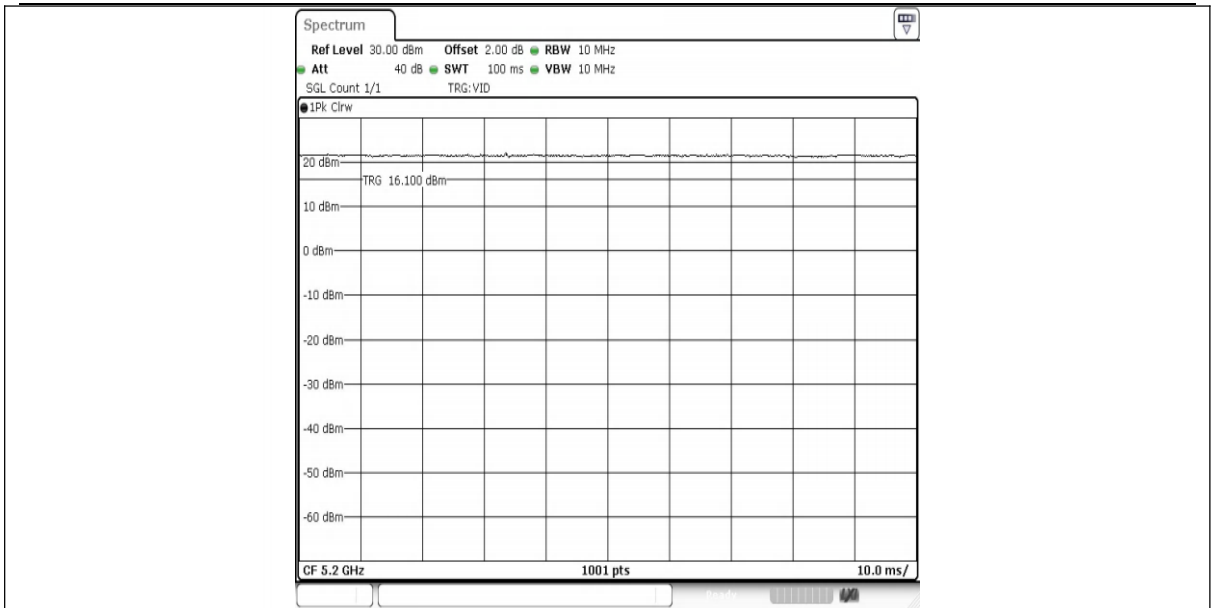




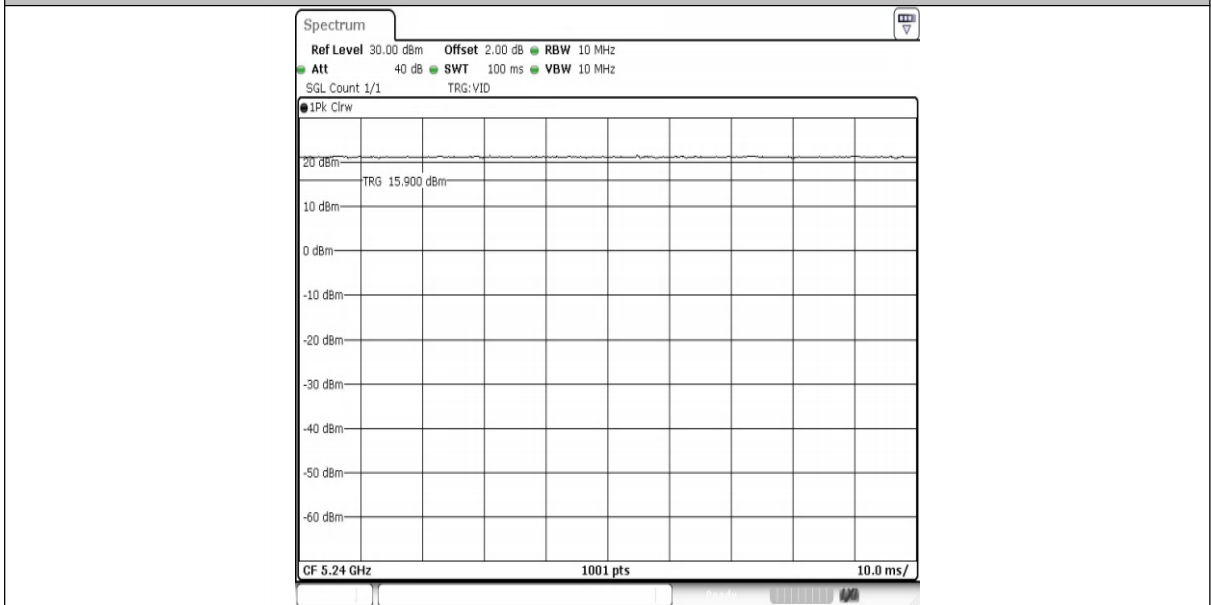
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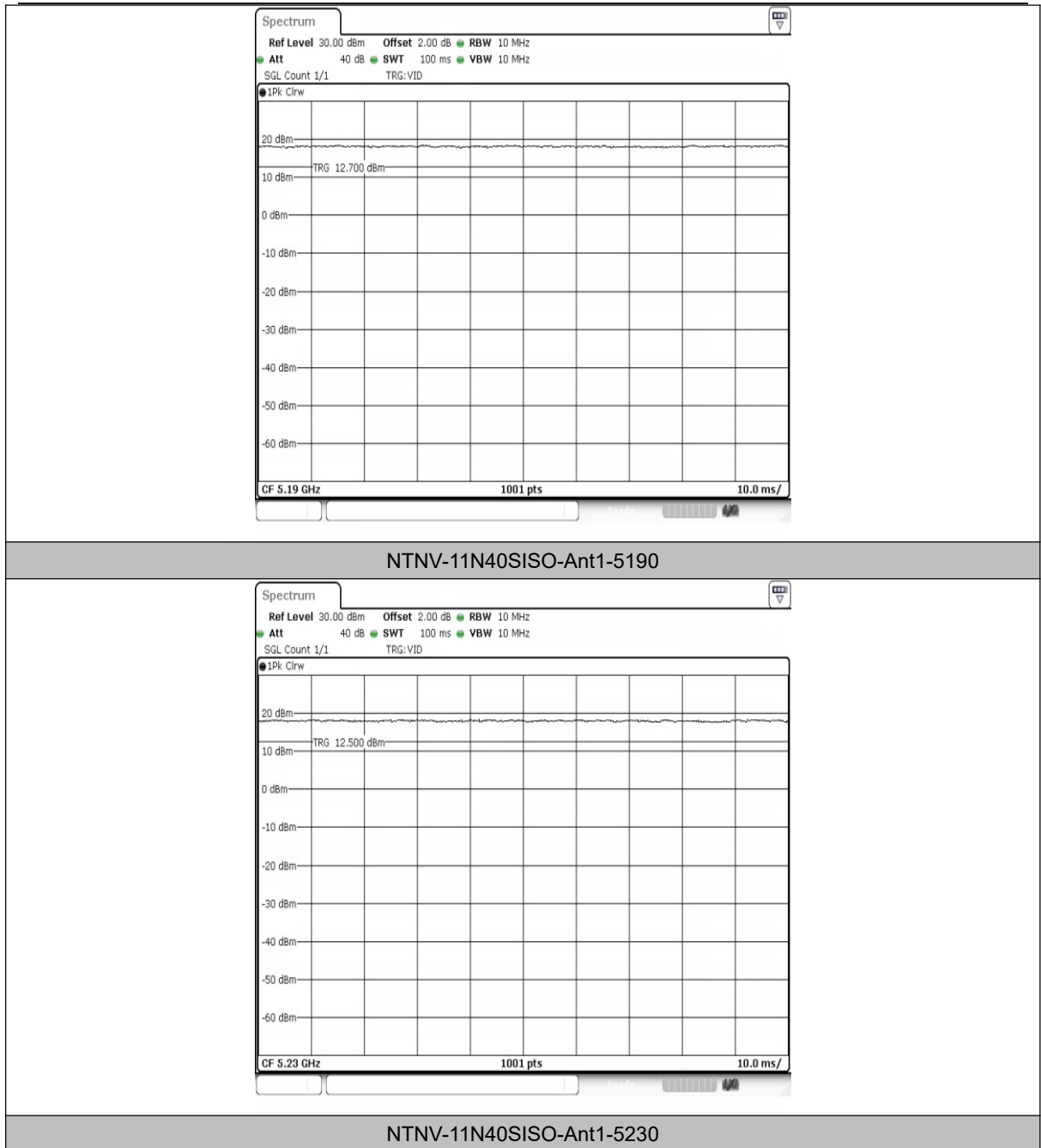
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NTNV-11N20SISO-Ant1-5200



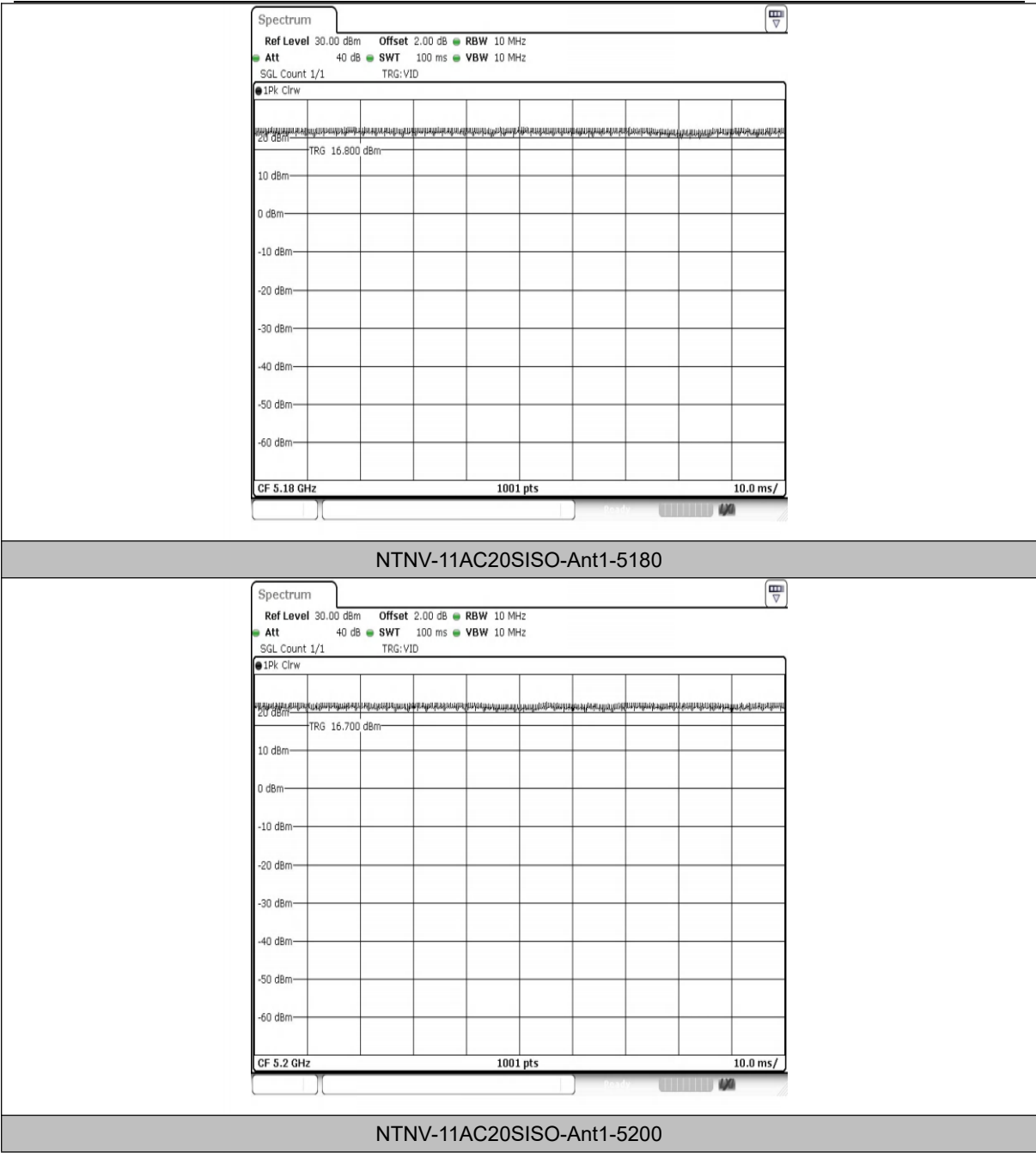
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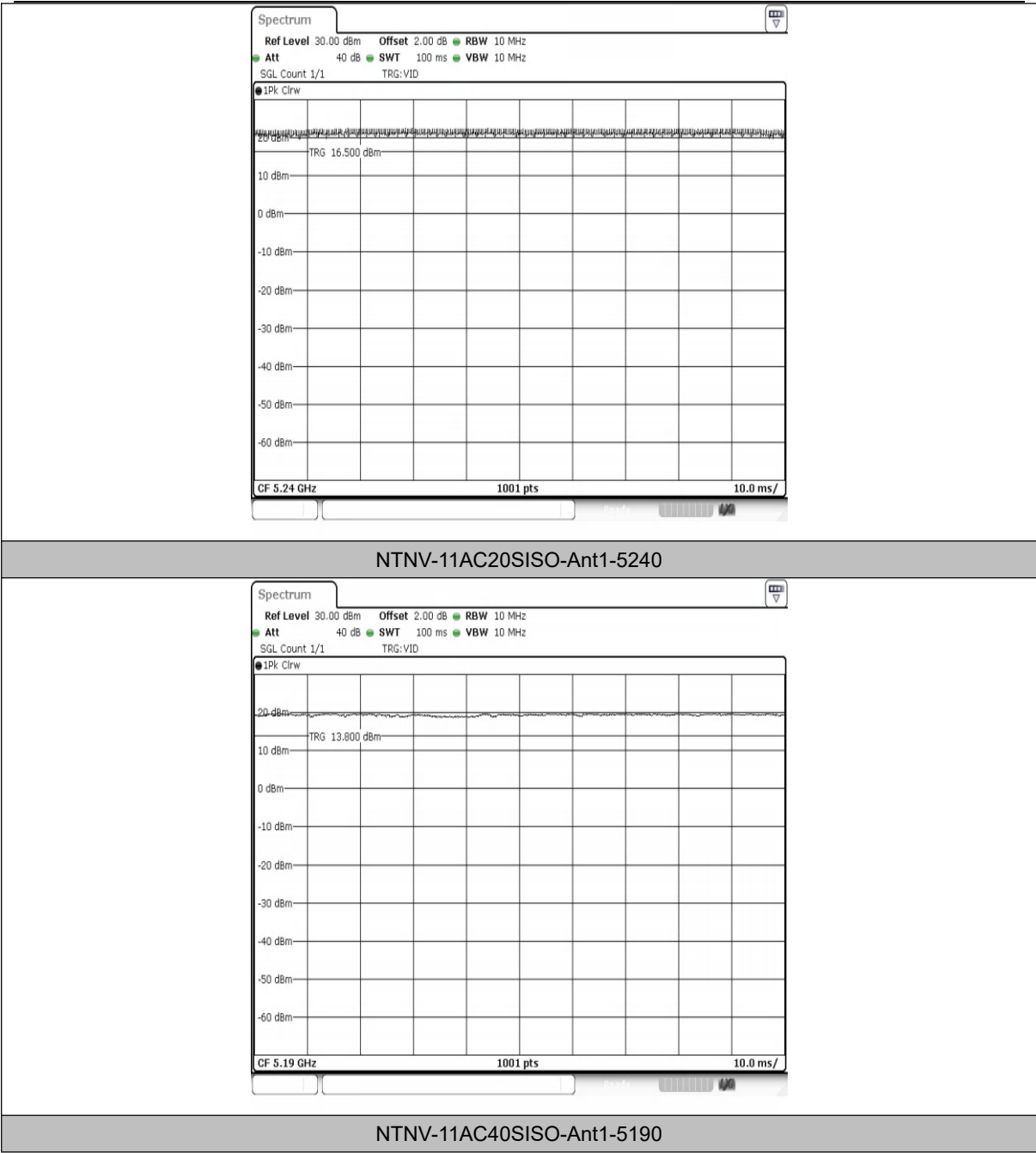


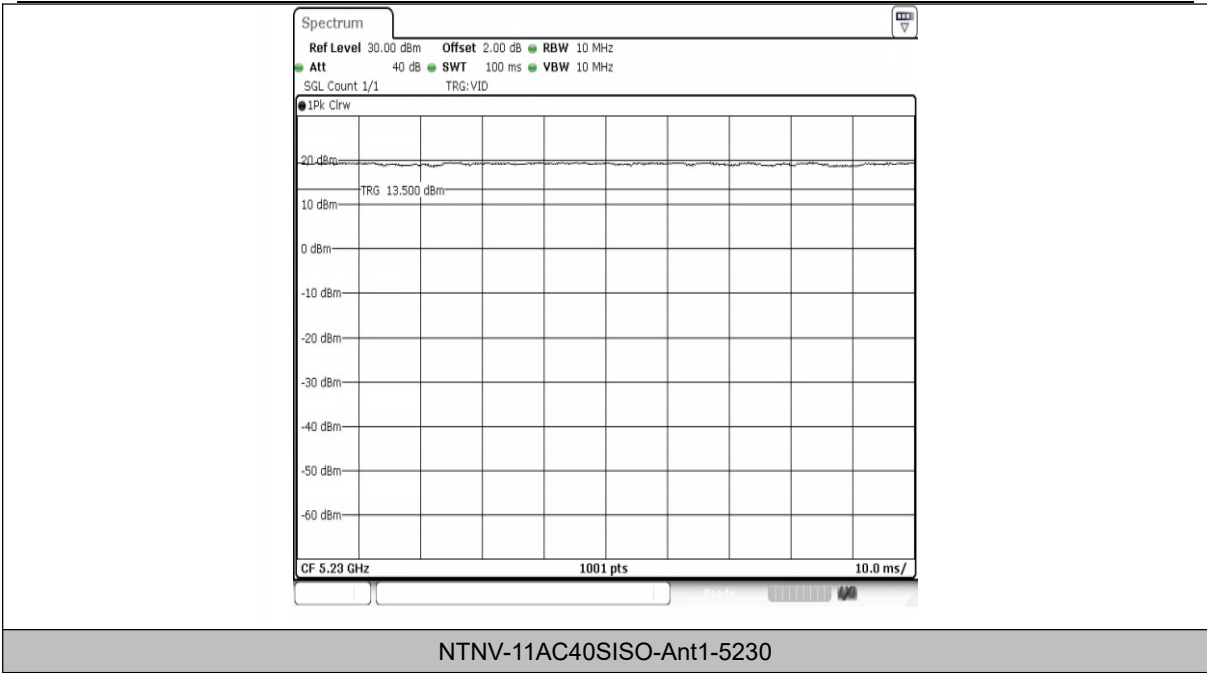
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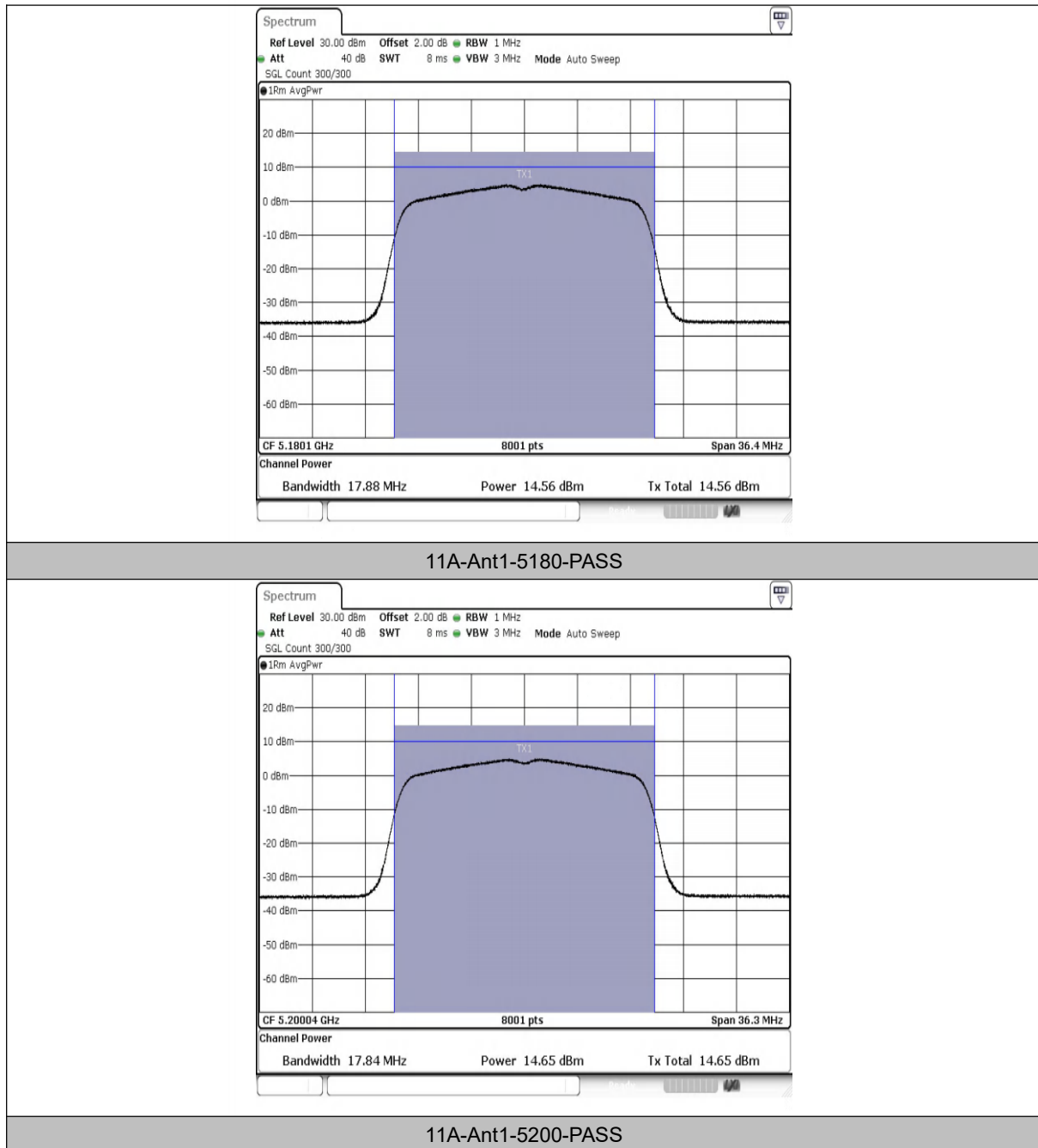
Appendix C: Maximum Conducted Output Power

Test Result Channel Power

Test Mode	Antenna	Frequency[MHz]	Set Power	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	---	14.56	100	0	14.56	≤23.98	PASS
11A	Ant1	5200	---	14.65	100	0	14.65	≤23.98	PASS
11A	Ant1	5240	---	14.09	100	0	14.09	≤23.98	PASS
11N20SISO	Ant1	5180	---	14.08	100	0	14.08	≤23.98	PASS
11N20SISO	Ant1	5200	---	14.21	100	0	14.21	≤23.98	PASS
11N20SISO	Ant1	5240	---	13.92	100	0	13.92	≤23.98	PASS
11N40SISO	Ant1	5190	---	13.74	100	0	13.74	≤23.98	PASS
11N40SISO	Ant1	5230	---	13.58	100	0	13.58	≤23.98	PASS
11AC20SISO	Ant1	5180	---	14.44	100	0	14.44	≤23.98	PASS
11AC20SISO	Ant1	5200	---	14.54	100	0	14.54	≤23.98	PASS
11AC20SISO	Ant1	5240	---	14.27	100	0	14.27	≤23.98	PASS
11AC40SISO	Ant1	5190	---	14.51	100	0	14.51	≤23.98	PASS
11AC40SISO	Ant1	5230	---	14.35	100	0	14.35	≤23.98	PASS

Note: 1.The cable loss are compensated in the graph.

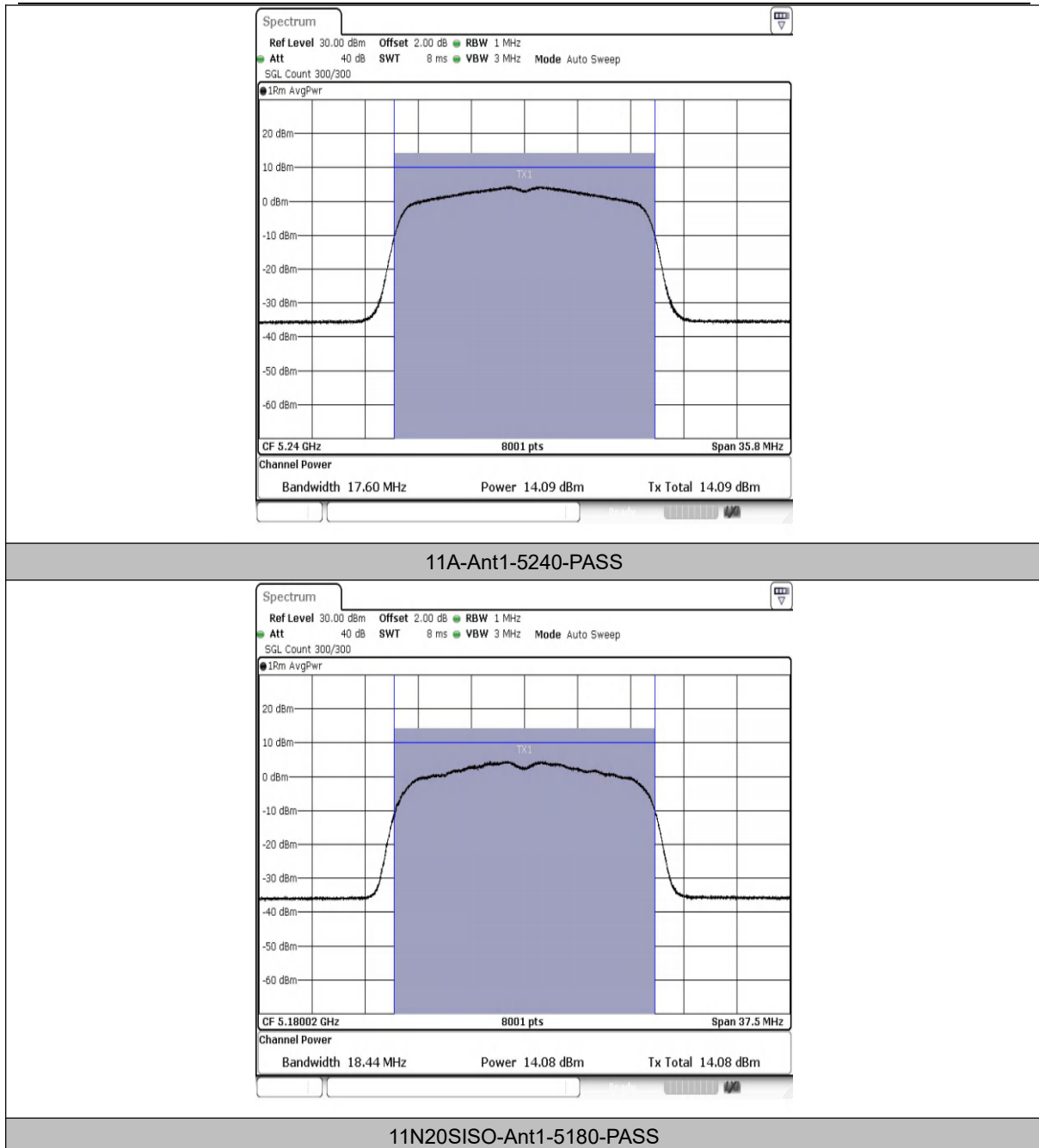
Test Graphs Channel Power



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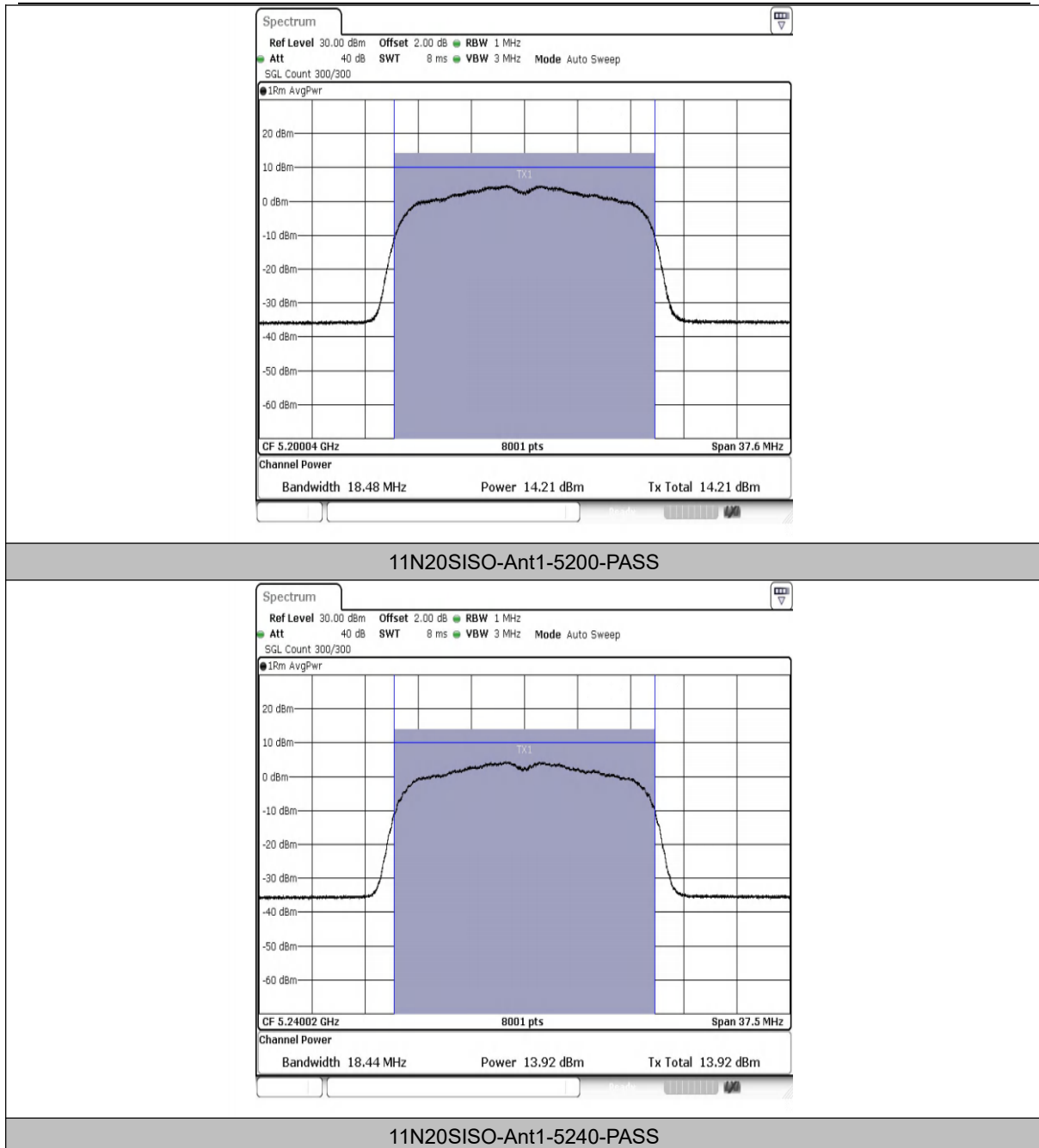
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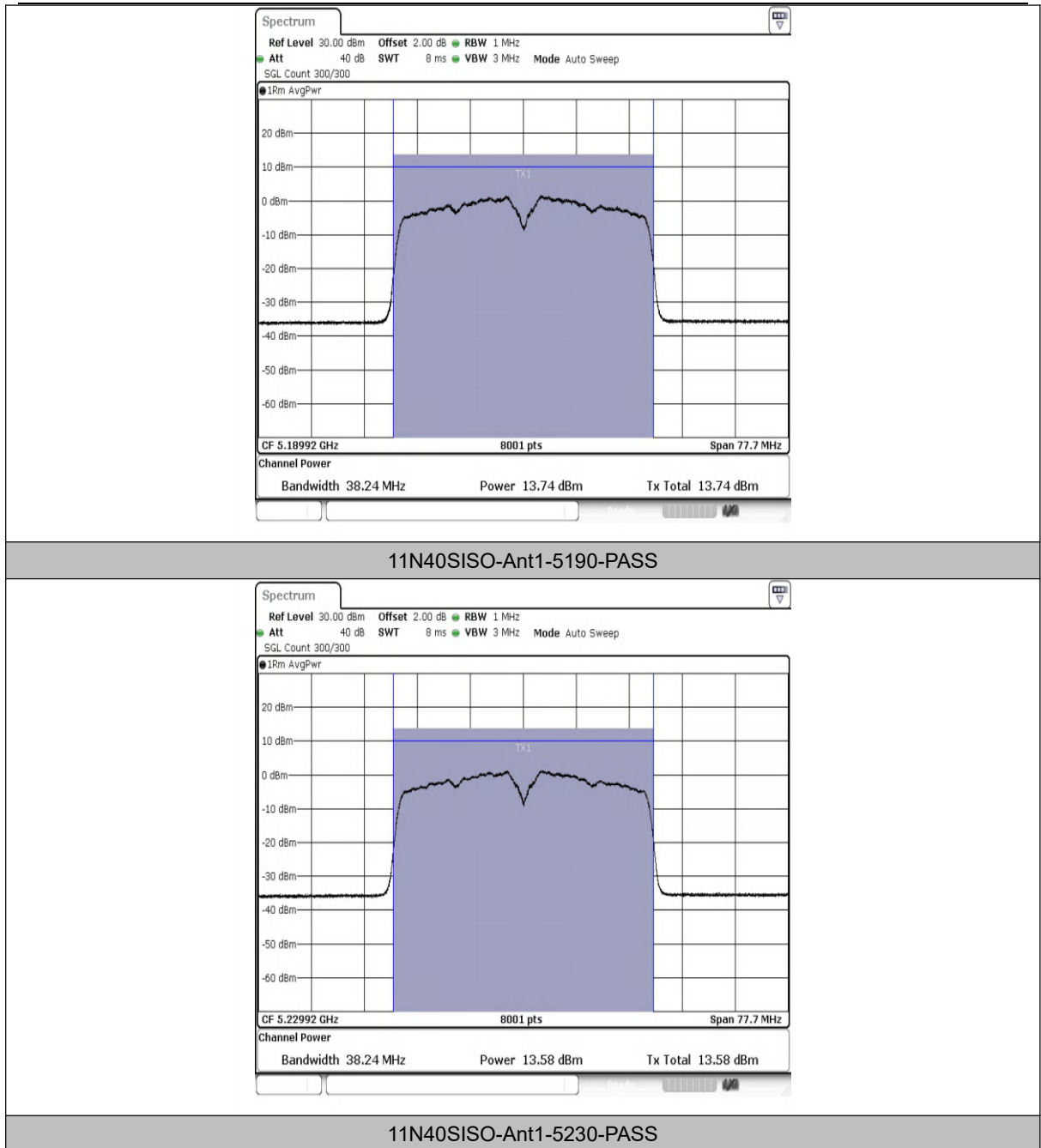
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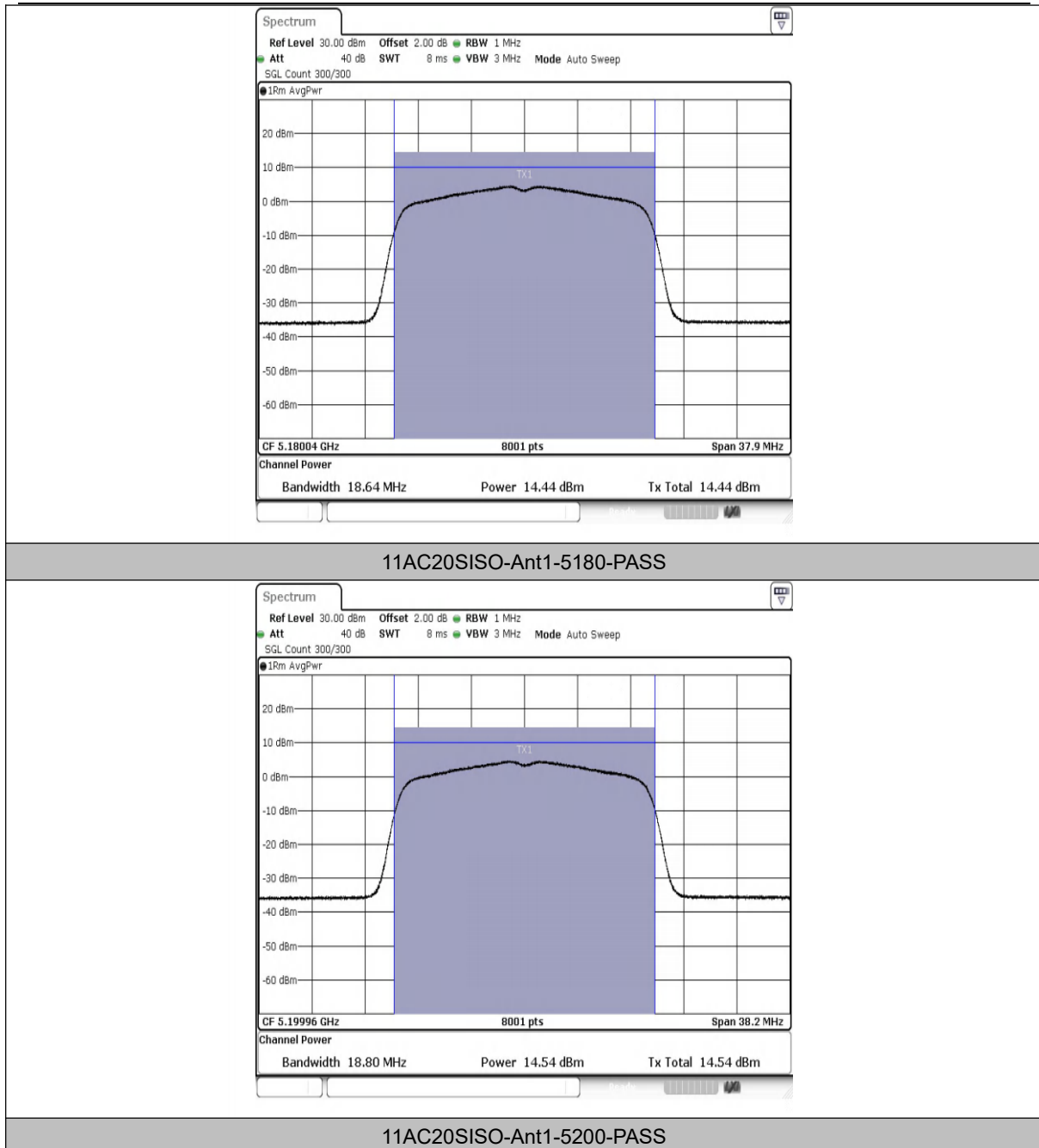
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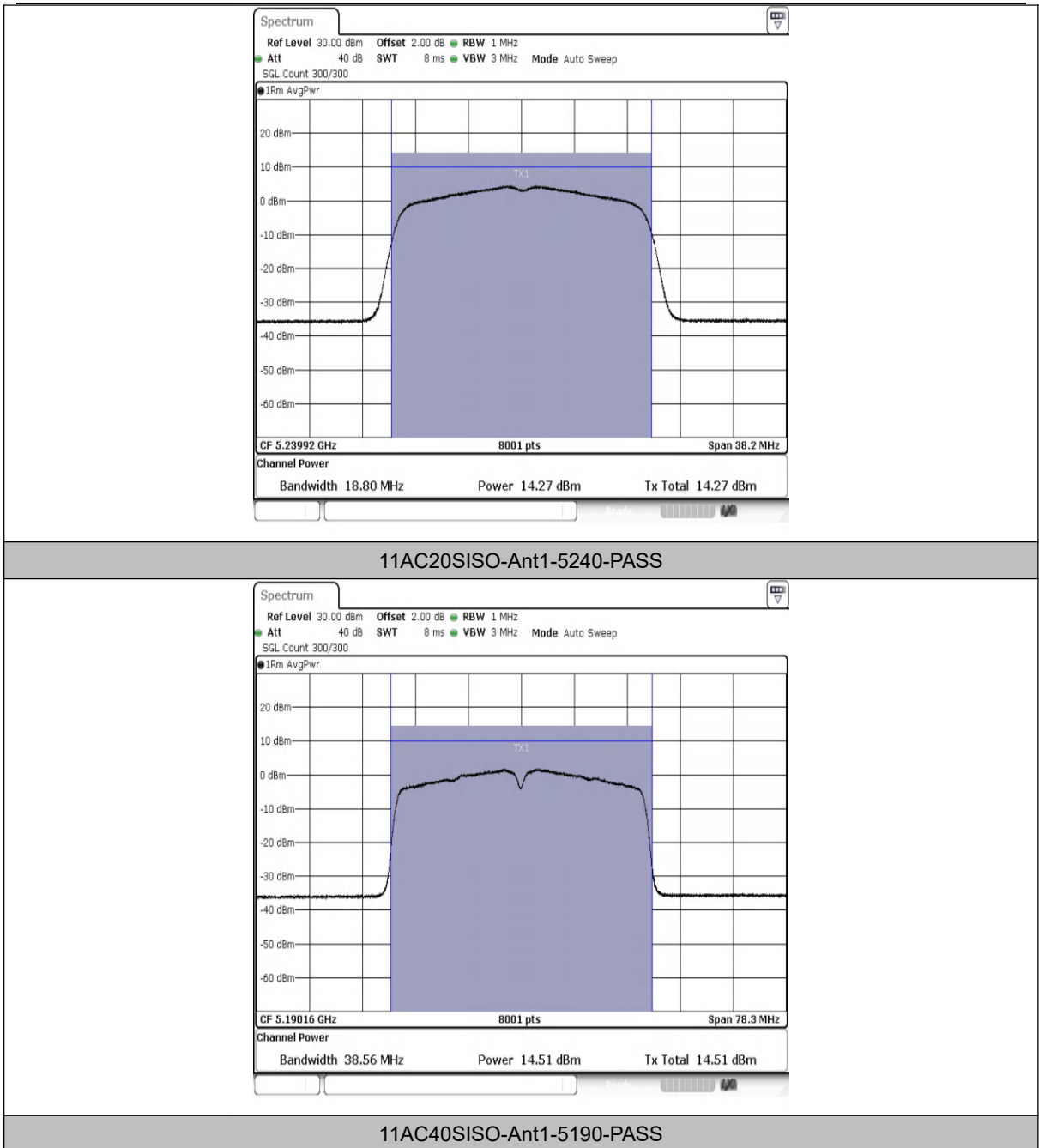
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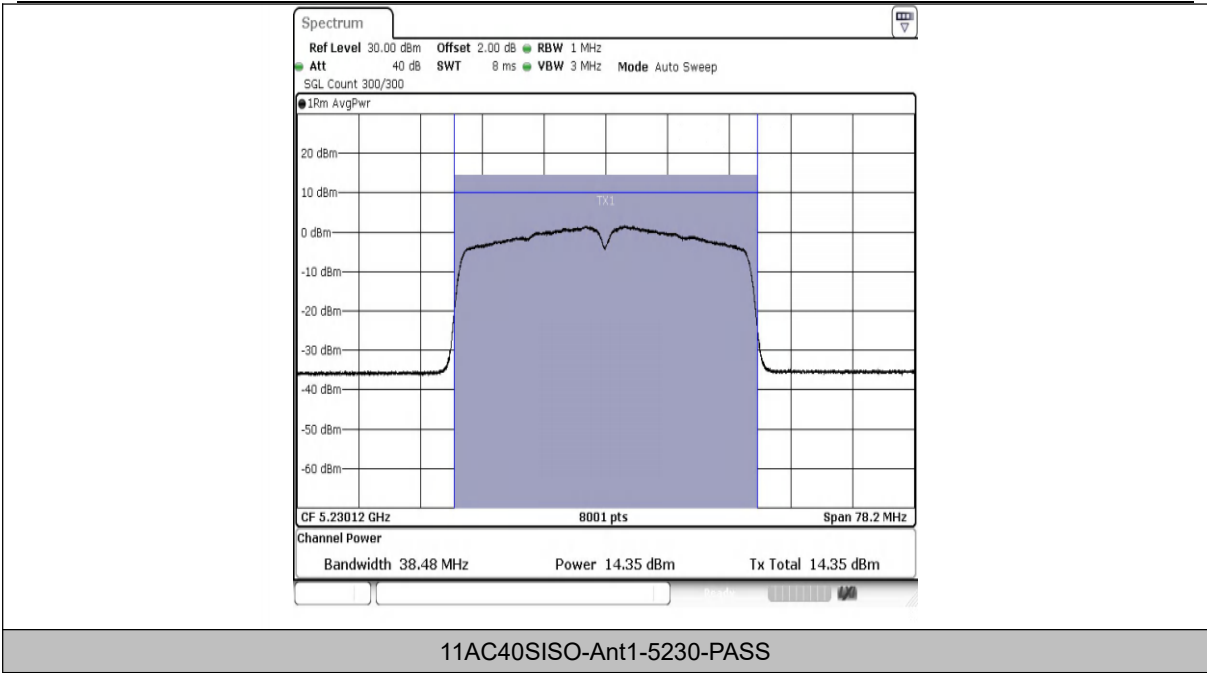
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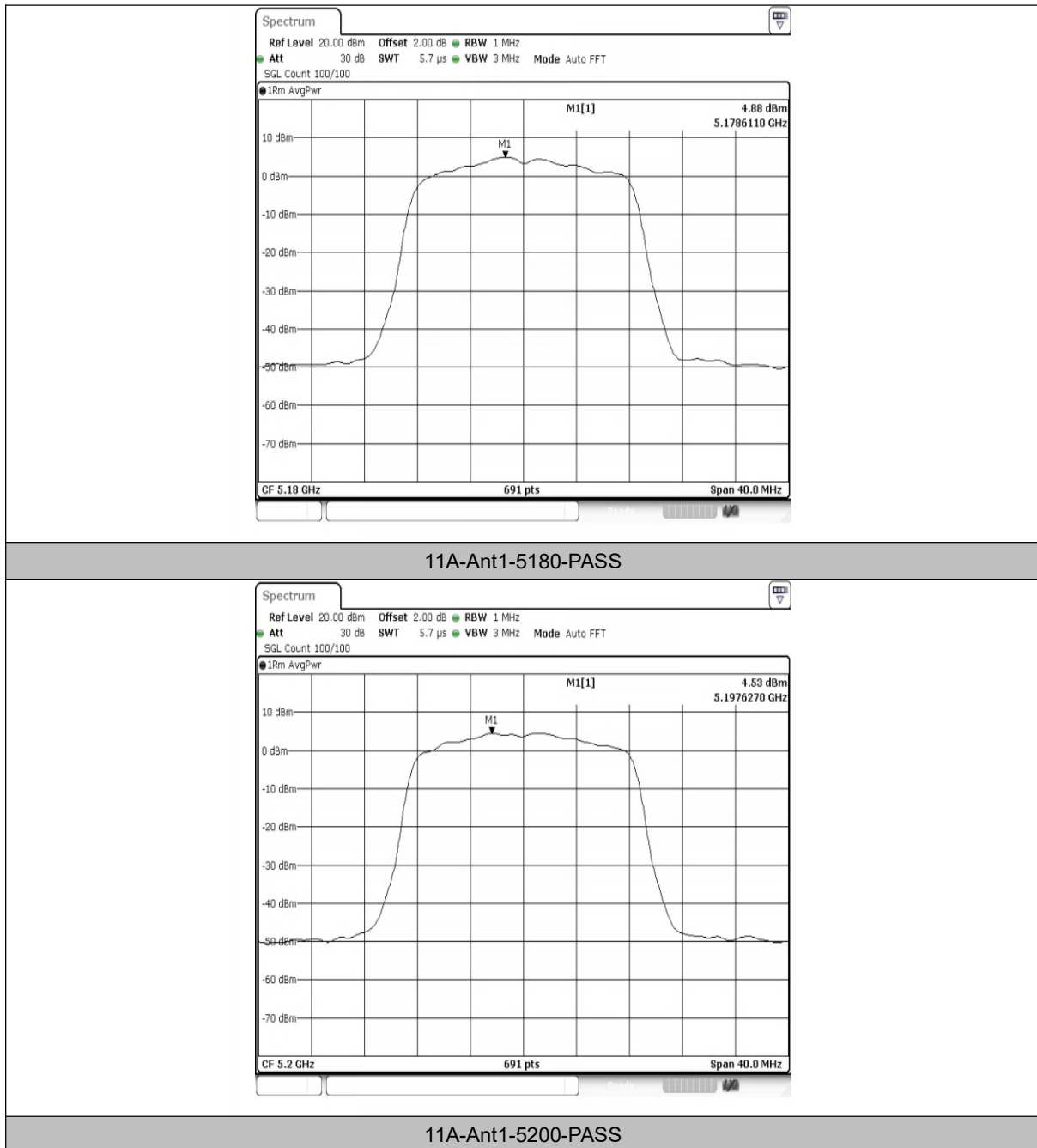
Appendix D: Maximum Power Spectral Density

Test Result

Test Mode	Antenna	Frequency [MHz]	Reading Result [dBm/MHz]	DC Factor [dB]	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	4.88	0	4.88	≤11.00	PASS
11A	Ant1	5200	4.53	0	4.53	≤11.00	PASS
11A	Ant1	5240	4.08	0	4.08	≤11.00	PASS
11N20SISO	Ant1	5180	4.15	0	4.15	≤11.00	PASS
11N20SISO	Ant1	5200	4.75	0	4.75	≤11.00	PASS
11N20SISO	Ant1	5240	4.22	0	4.22	≤11.00	PASS
11N40SISO	Ant1	5190	1.06	0	1.06	≤11.00	PASS
11N40SISO	Ant1	5230	1.14	0	1.14	≤11.00	PASS
11AC20SISO	Ant1	5180	4.35	0	4.35	≤11.00	PASS
11AC20SISO	Ant1	5200	4.78	0	4.78	≤11.00	PASS
11AC20SISO	Ant1	5240	4.87	0	4.87	≤11.00	PASS
11AC40SISO	Ant1	5190	1.72	0	1.72	≤11.00	PASS
11AC40SISO	Ant1	5230	1.67	0	1.67	≤11.00	PASS

Note: 1.The cable loss are compensated in the graph.

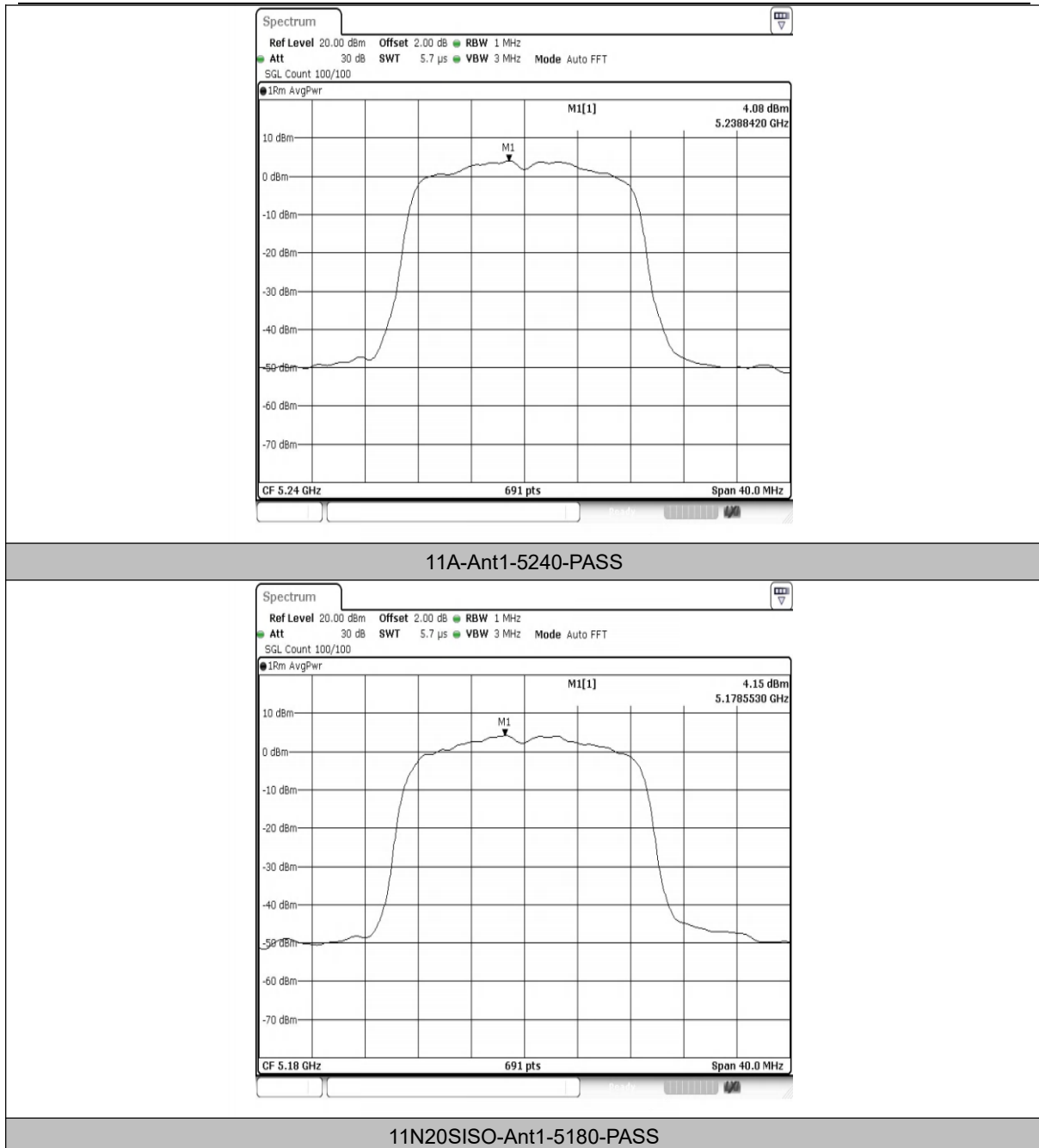
Test Graphs



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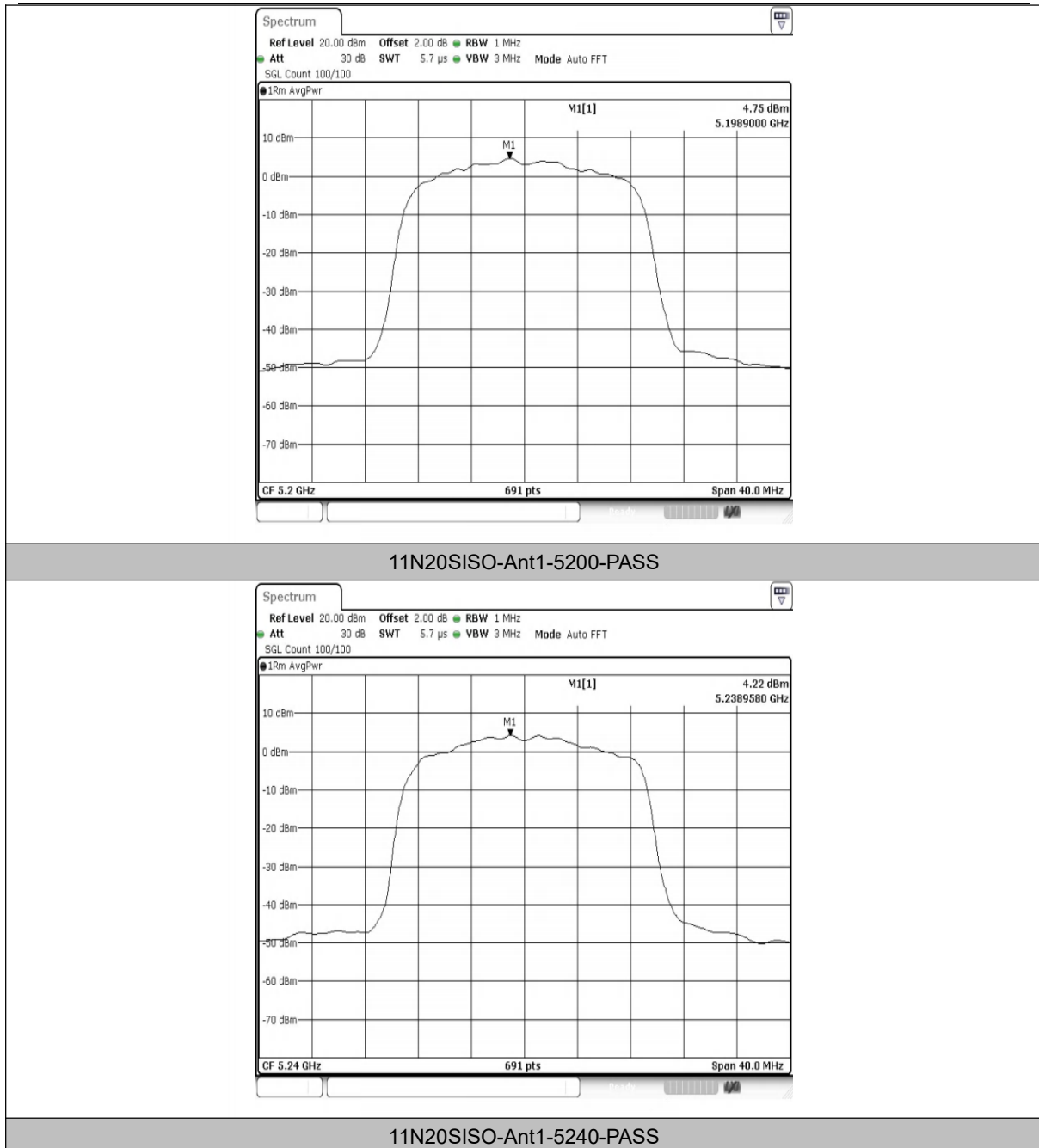
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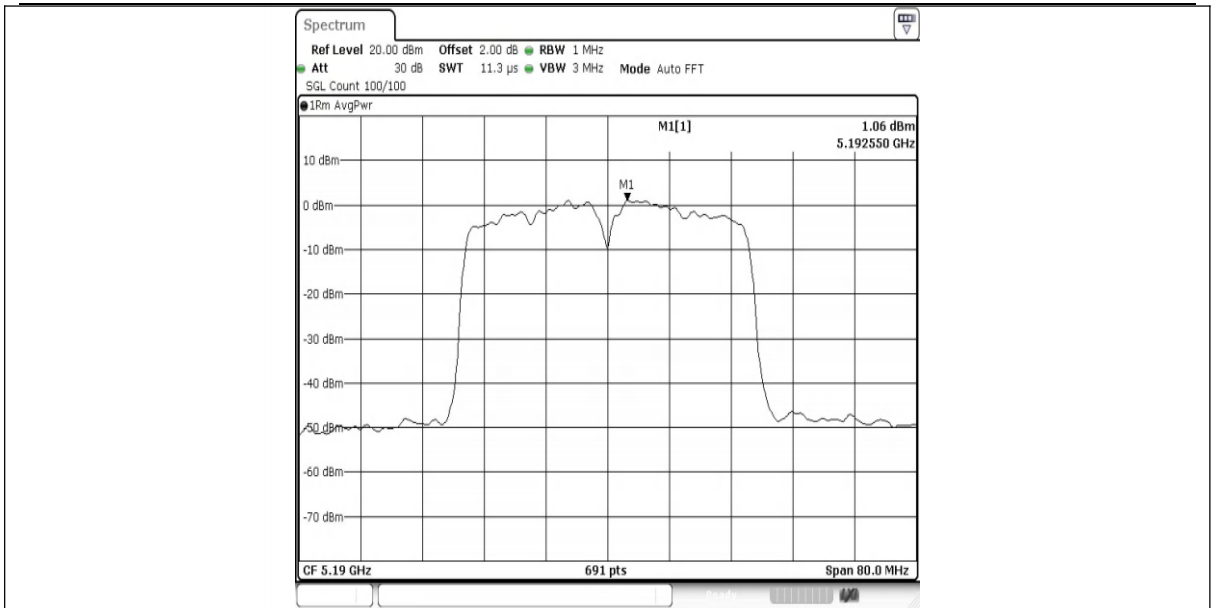
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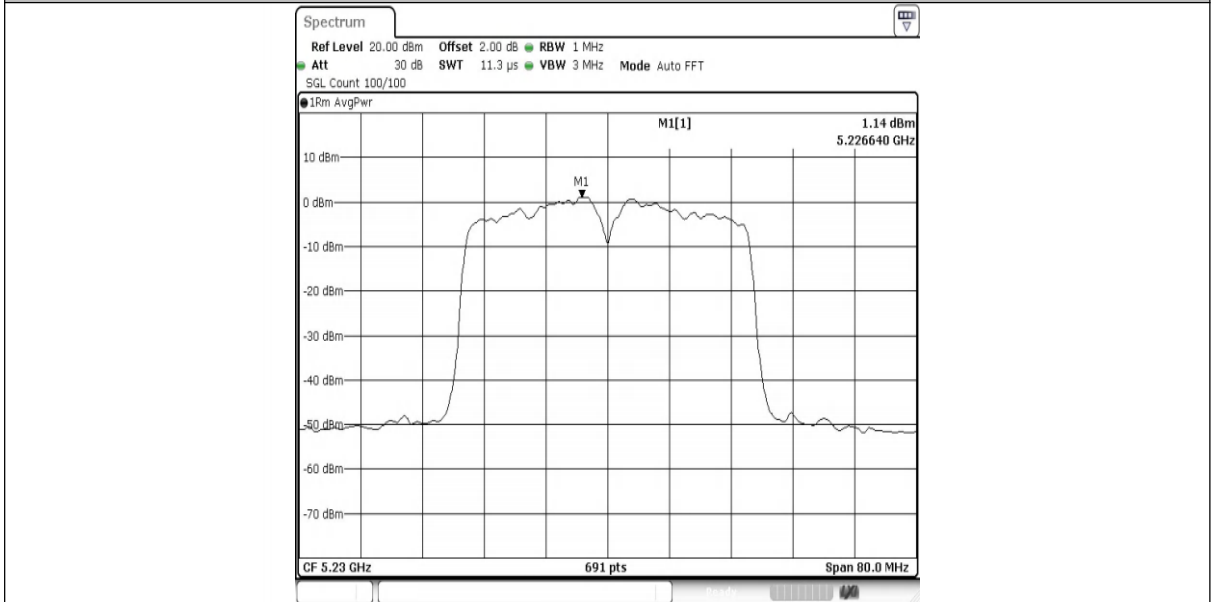
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11N40SISO-Ant1-5190-PASS

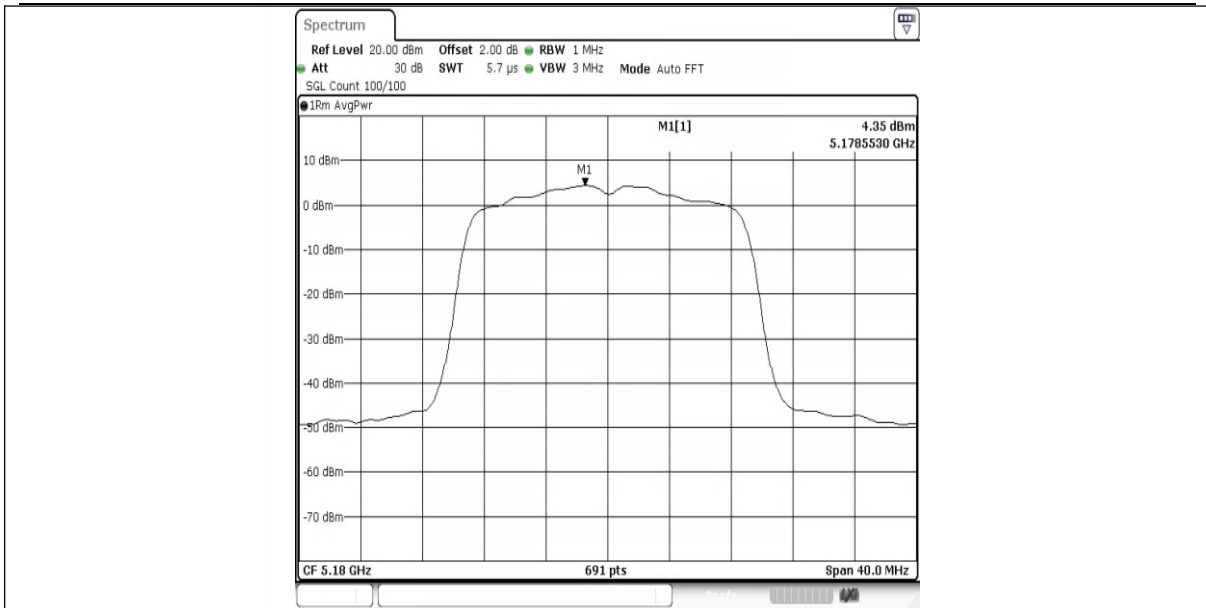


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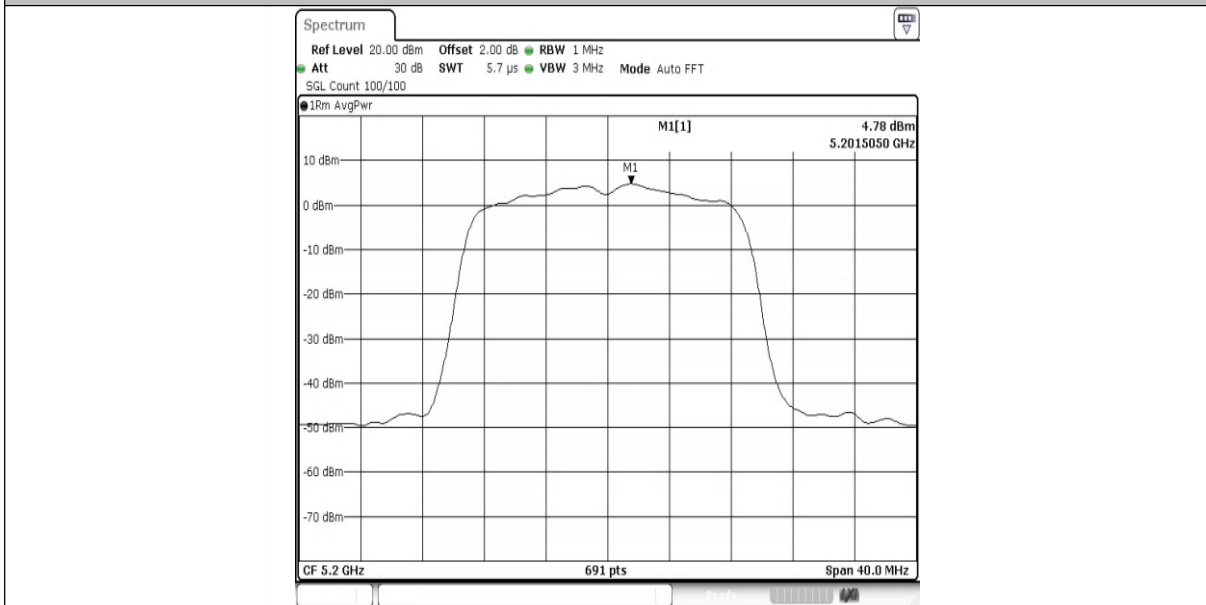
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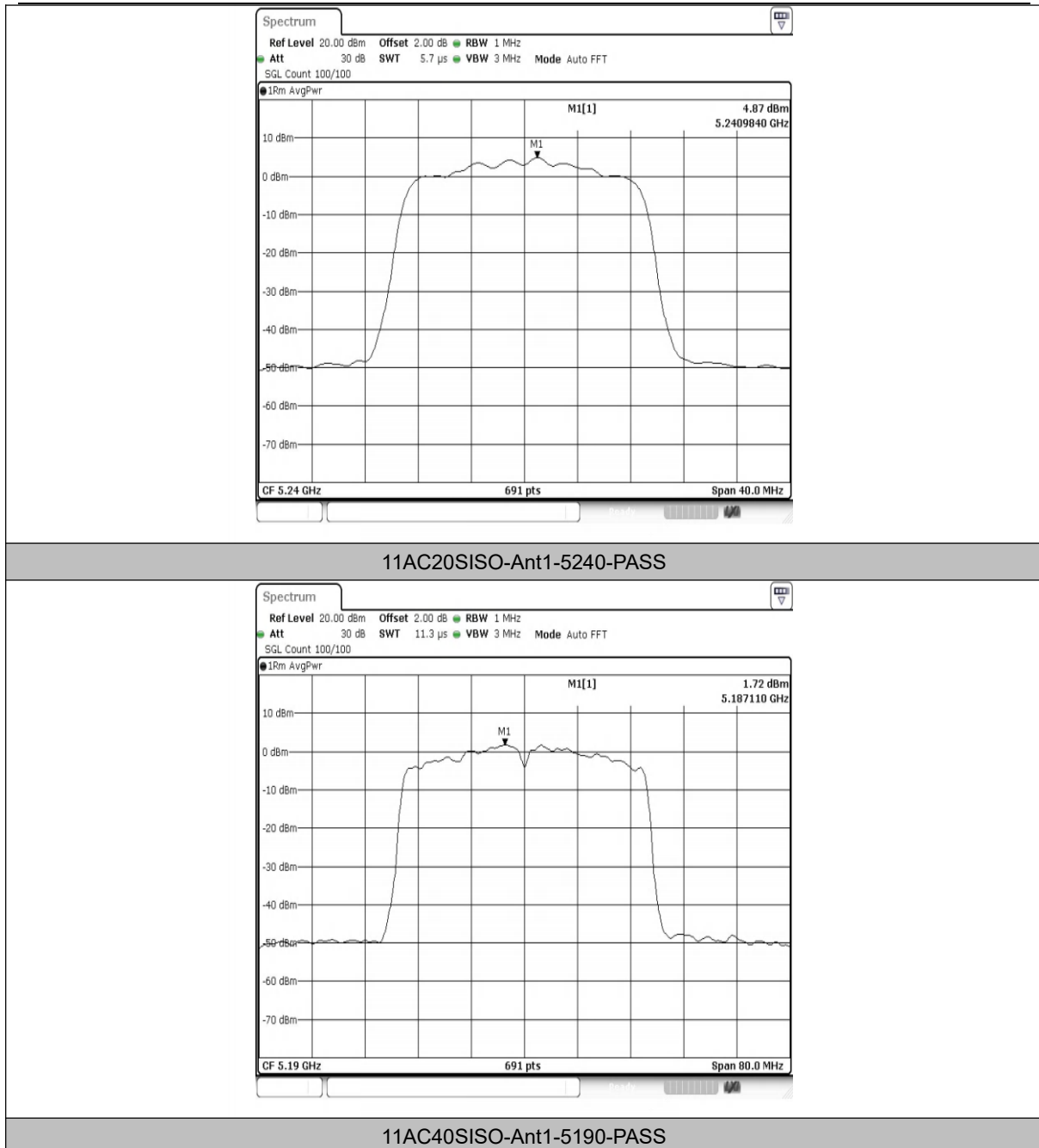
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11AC20SISO-Ant1-5180-PASS



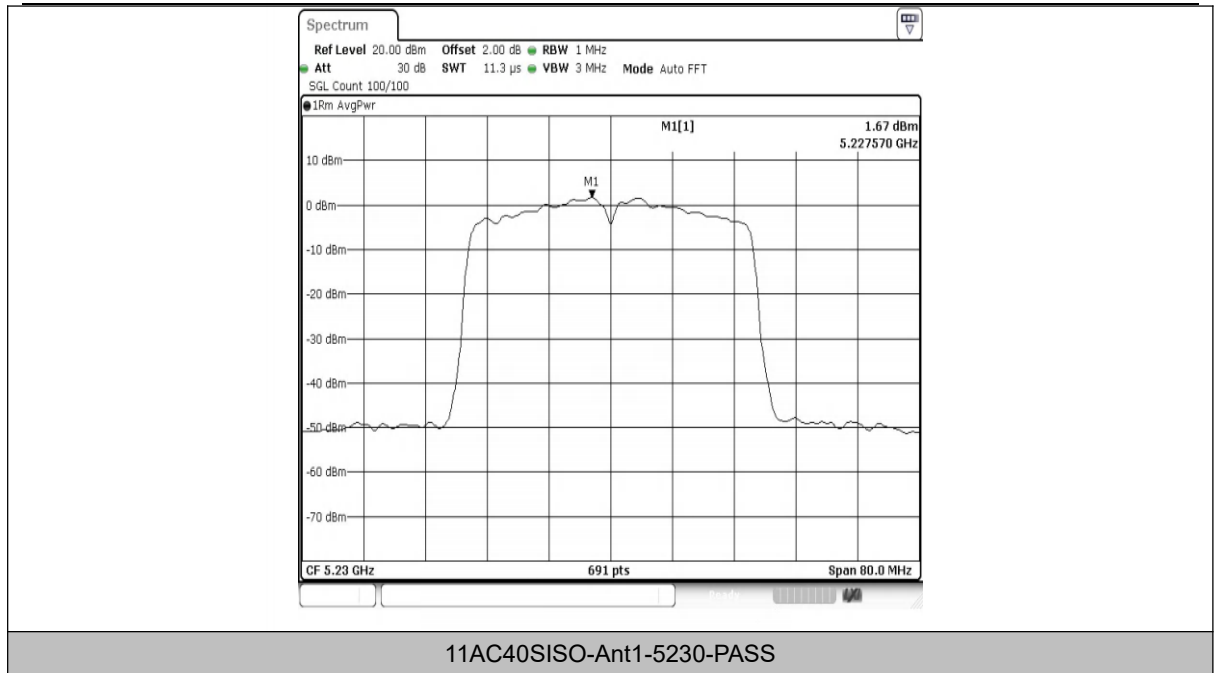
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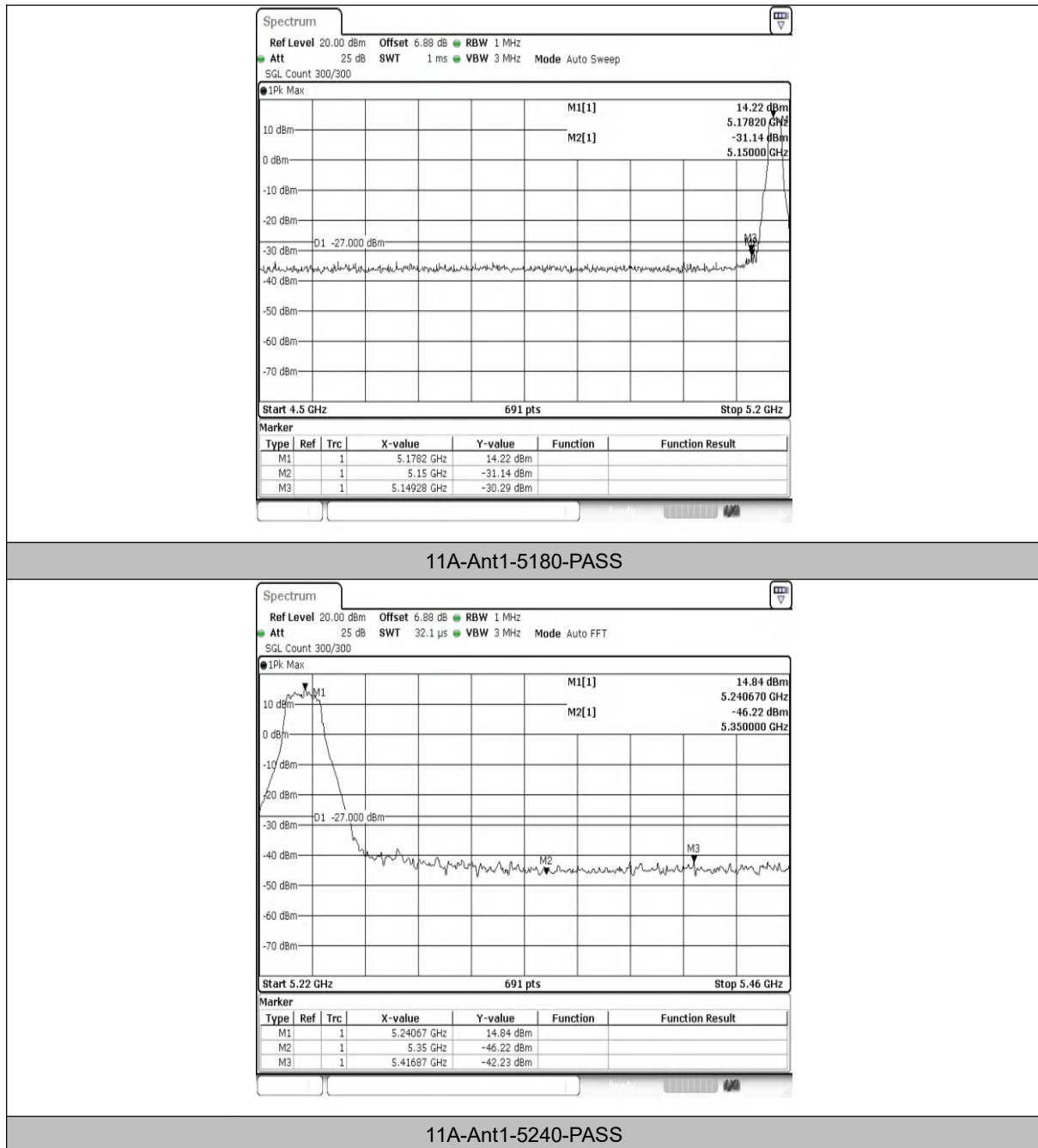
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-30.29	≤-27	PASS
11A	Ant1	High	5240	-42.23	≤-27	PASS
11N20SISO	Ant1	Low	5180	-32.6	≤-27	PASS
11N20SISO	Ant1	High	5240	-41.45	≤-27	PASS
11N40SISO	Ant1	Low	5190	-32.95	≤-27	PASS
11N40SISO	Ant1	High	5230	-42.09	≤-27	PASS
11AC20SISO	Ant1	Low	5180	-31.54	≤-27	PASS
11AC20SISO	Ant1	High	5240	-42.36	≤-27	PASS
11AC40SISO	Ant1	Low	5190	-32.29	≤-27	PASS
11AC40SISO	Ant1	High	5230	-42.22	≤-27	PASS

Note: The margin plus the antenna gain also meets the limit.

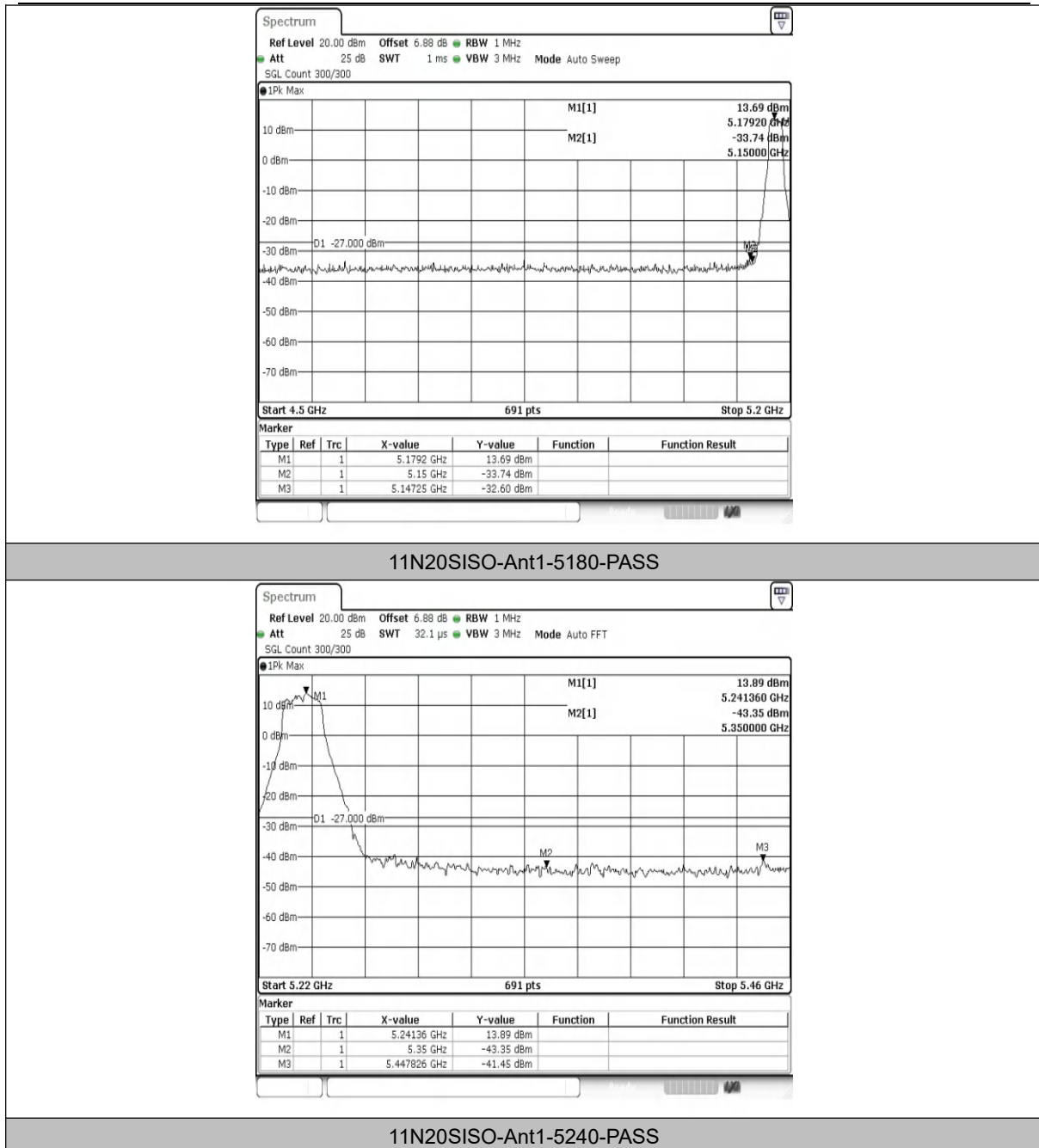
Test Graphs



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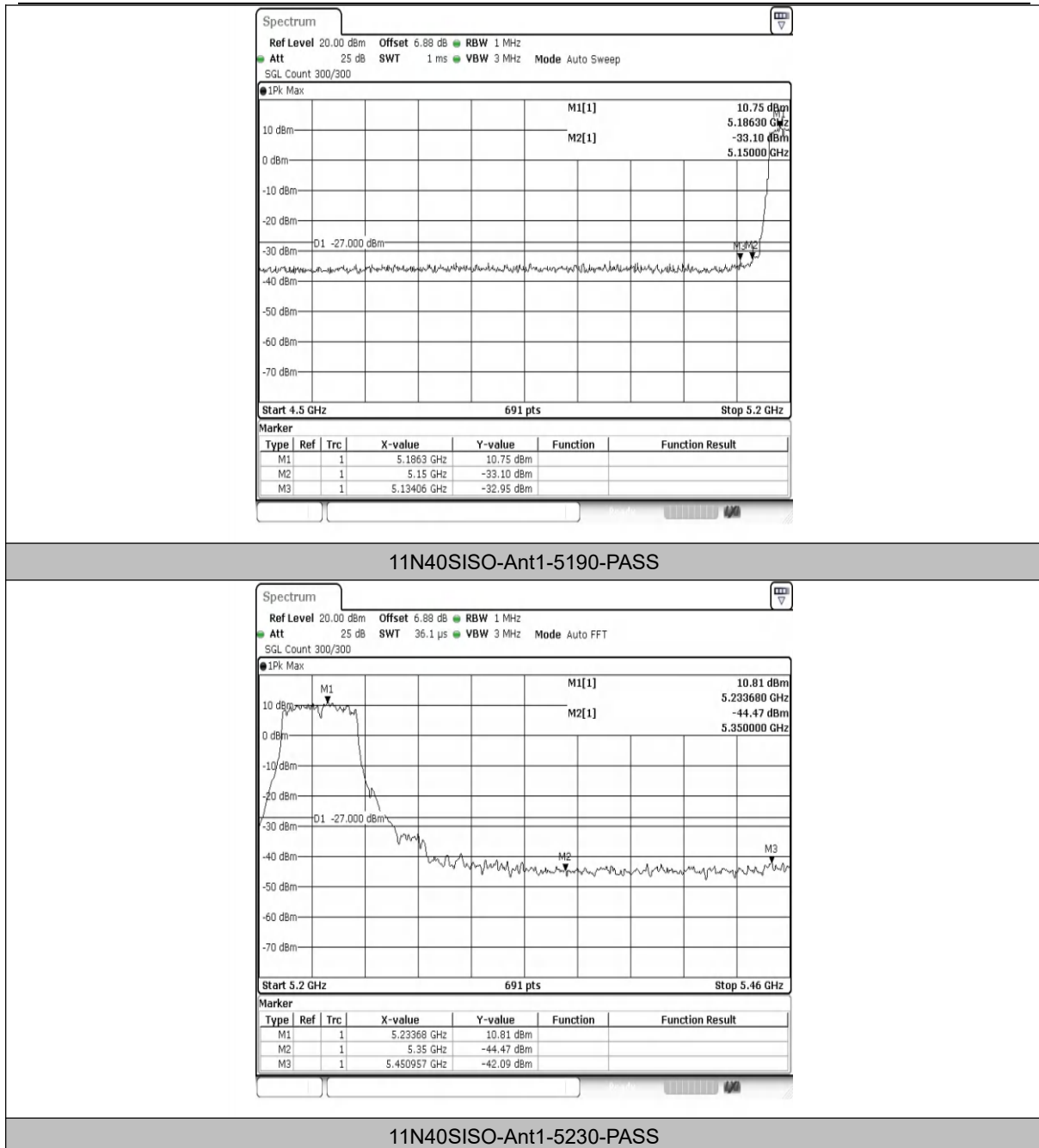
Hotline: 400-003-0500 web: www.anbotek.com E-mail: service@anbotek.com

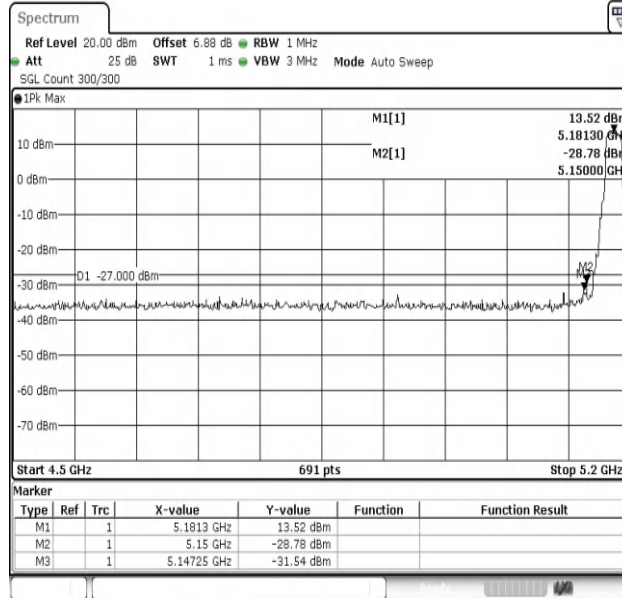


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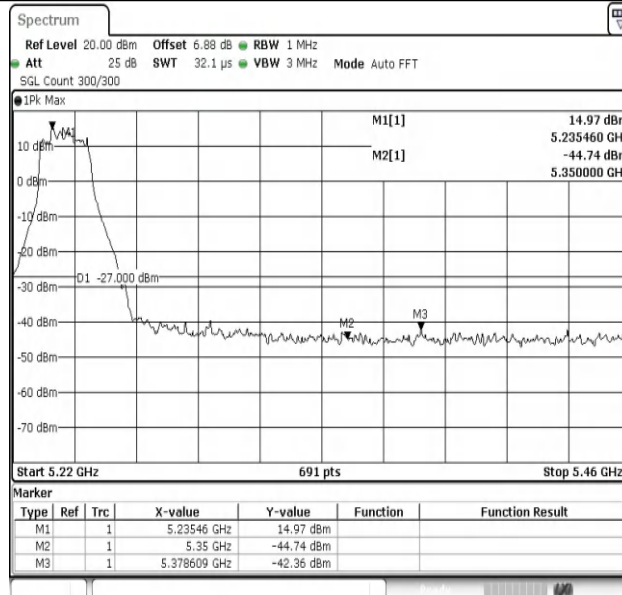
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11AC20SISO-Ant1-5180-PASS

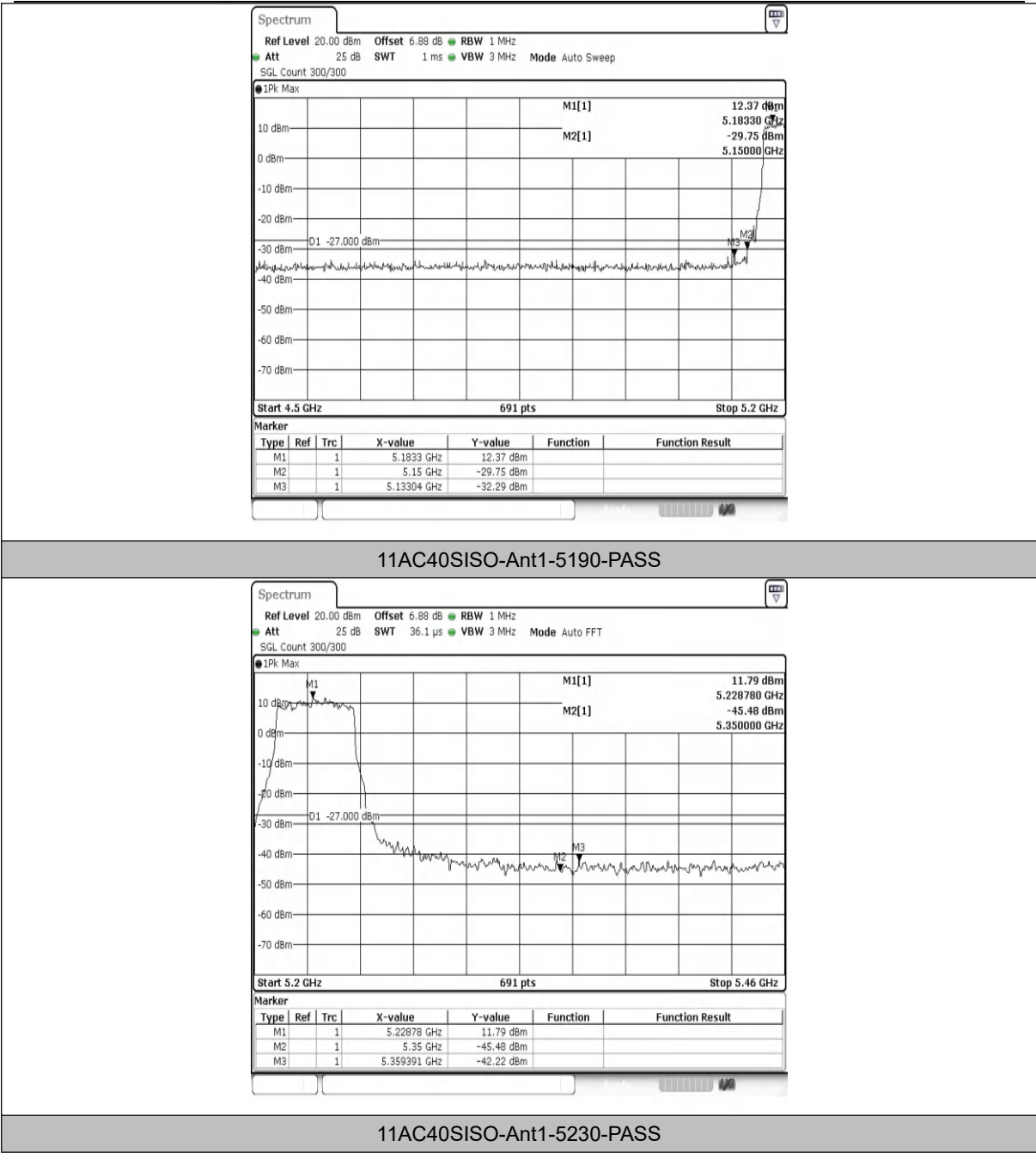


11AC20SISO-Ant1-5240-PASS

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