

Appendix Test Data

Report No.:	1812C50617312504-01	Test Sample No.:	1-2-2
Start Test Date:	2025-12-11	Finish Test Date:	2025-12-11
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	21.3°C	Relative Humidity:	59%
Pressure:	101kPa		



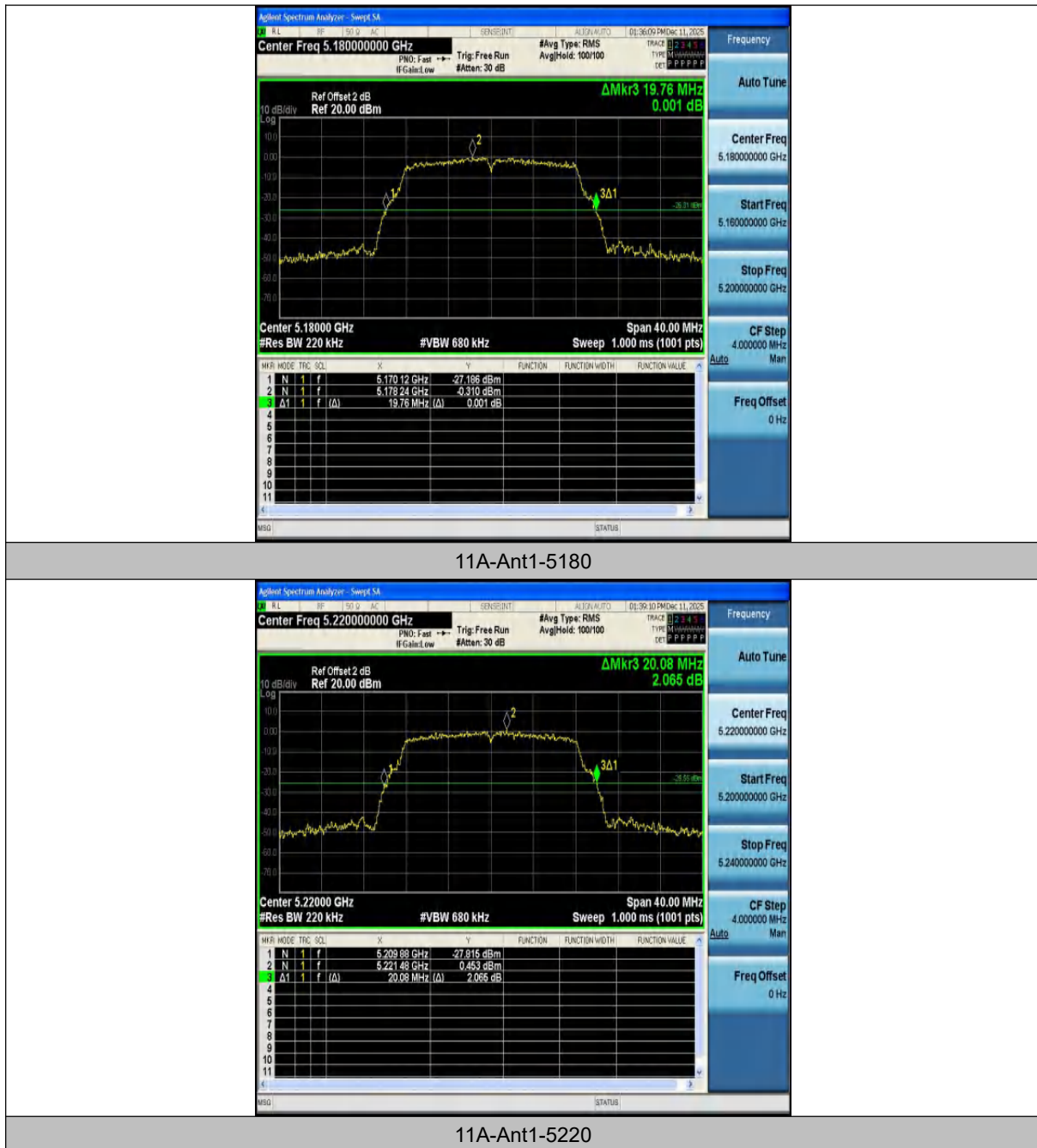
Appendix A1: 26dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	19.760	5170.120	5189.880	---	---
11A	Ant1	5220	20.080	5209.880	5229.960	---	---
11A	Ant1	5240	19.840	5230.160	5250.000	---	---
11A	Ant1	5745	19.520	5735.200	5754.720	---	---
11A	Ant1	5785	19.760	5775.160	5794.920	---	---
11A	Ant1	5825	19.760	5815.240	5835.000	---	---
11N20SISO	Ant1	5180	20.160	5169.840	5190.000	---	---
11N20SISO	Ant1	5220	20.240	5209.760	5230.000	---	---
11N20SISO	Ant1	5240	20.200	5229.920	5250.120	---	---
11N20SISO	Ant1	5745	20.200	5734.880	5755.080	---	---
11N20SISO	Ant1	5785	20.000	5775.000	5795.000	---	---
11N20SISO	Ant1	5825	20.080	5815.040	5835.120	---	---
11N40SISO	Ant1	5190	40.640	5169.680	5210.320	---	---
11N40SISO	Ant1	5230	40.240	5209.840	5250.080	---	---
11N40SISO	Ant1	5755	40.960	5734.360	5775.320	---	---
11N40SISO	Ant1	5795	40.880	5774.600	5815.480	---	---
11AC20SISO	Ant1	5180	20.240	5169.880	5190.120	---	---
11AC20SISO	Ant1	5220	20.120	5209.960	5230.080	---	---
11AC20SISO	Ant1	5240	20.280	5229.760	5250.040	---	---
11AC20SISO	Ant1	5745	20.000	5734.960	5754.960	---	---
11AC20SISO	Ant1	5785	20.040	5775.040	5795.080	---	---
11AC20SISO	Ant1	5825	20.280	5814.960	5835.240	---	---
11AC40SISO	Ant1	5190	40.320	5170.160	5210.480	---	---
11AC40SISO	Ant1	5230	40.160	5209.920	5250.080	---	---
11AC40SISO	Ant1	5755	40.080	5734.760	5774.840	---	---

11AC40SISO	Ant1	5795	40.320	5774.840	5815.160	---	---
11AC80SISO	Ant1	5210	80.160	5169.840	5250.000	---	---
11AC80SISO	Ant1	5775	80.640	5734.520	5815.160	---	---

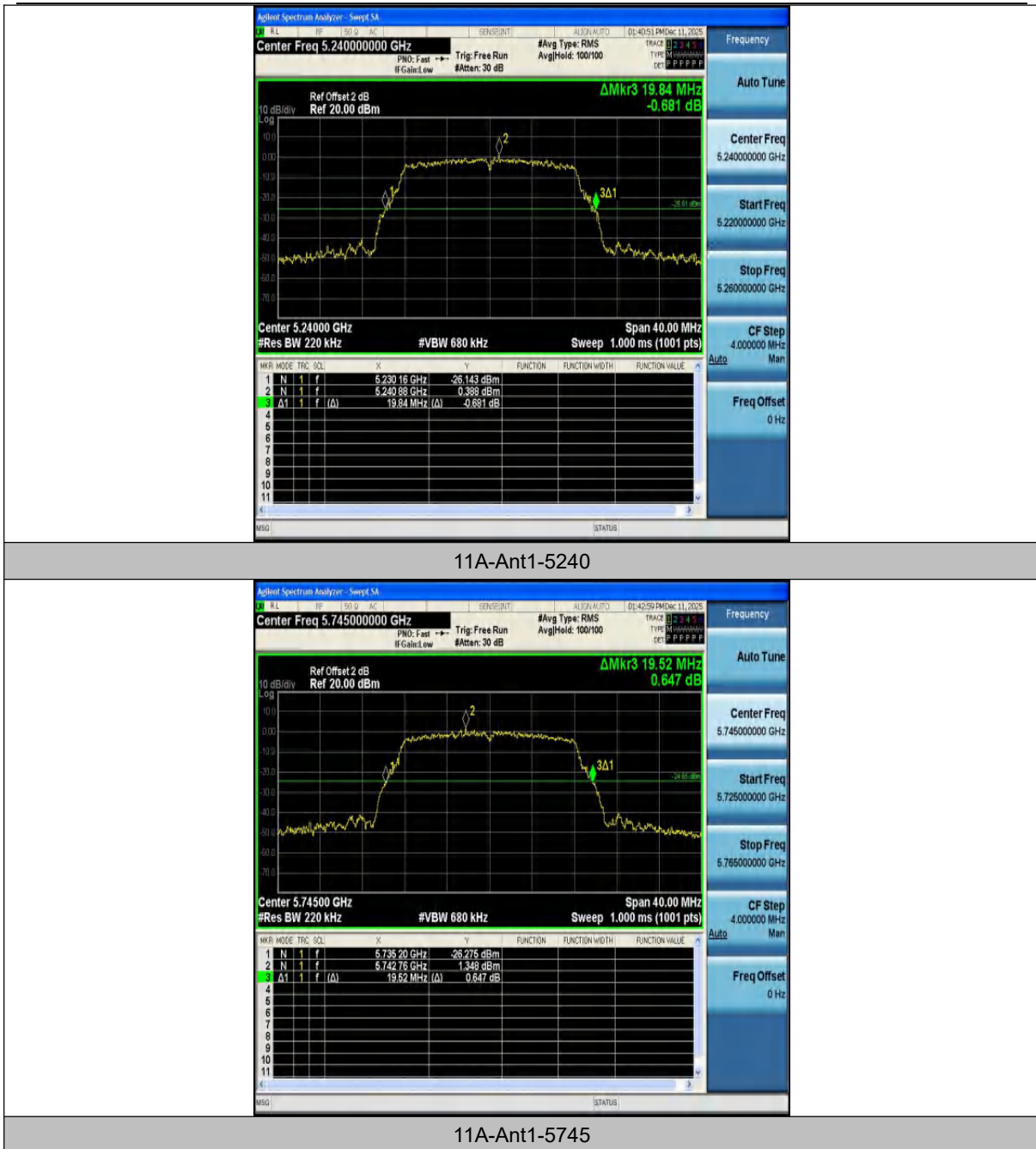
Test Graphs



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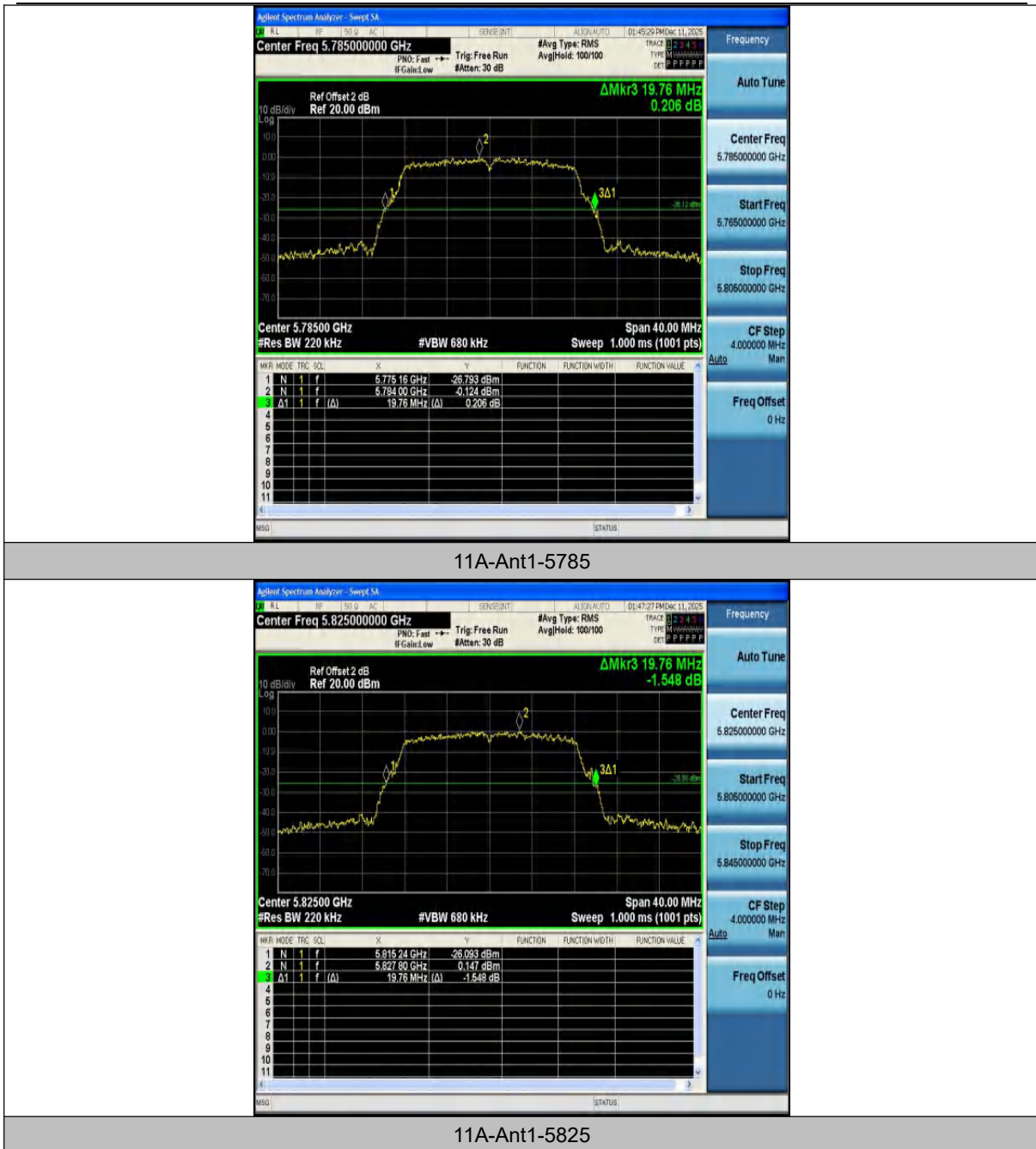
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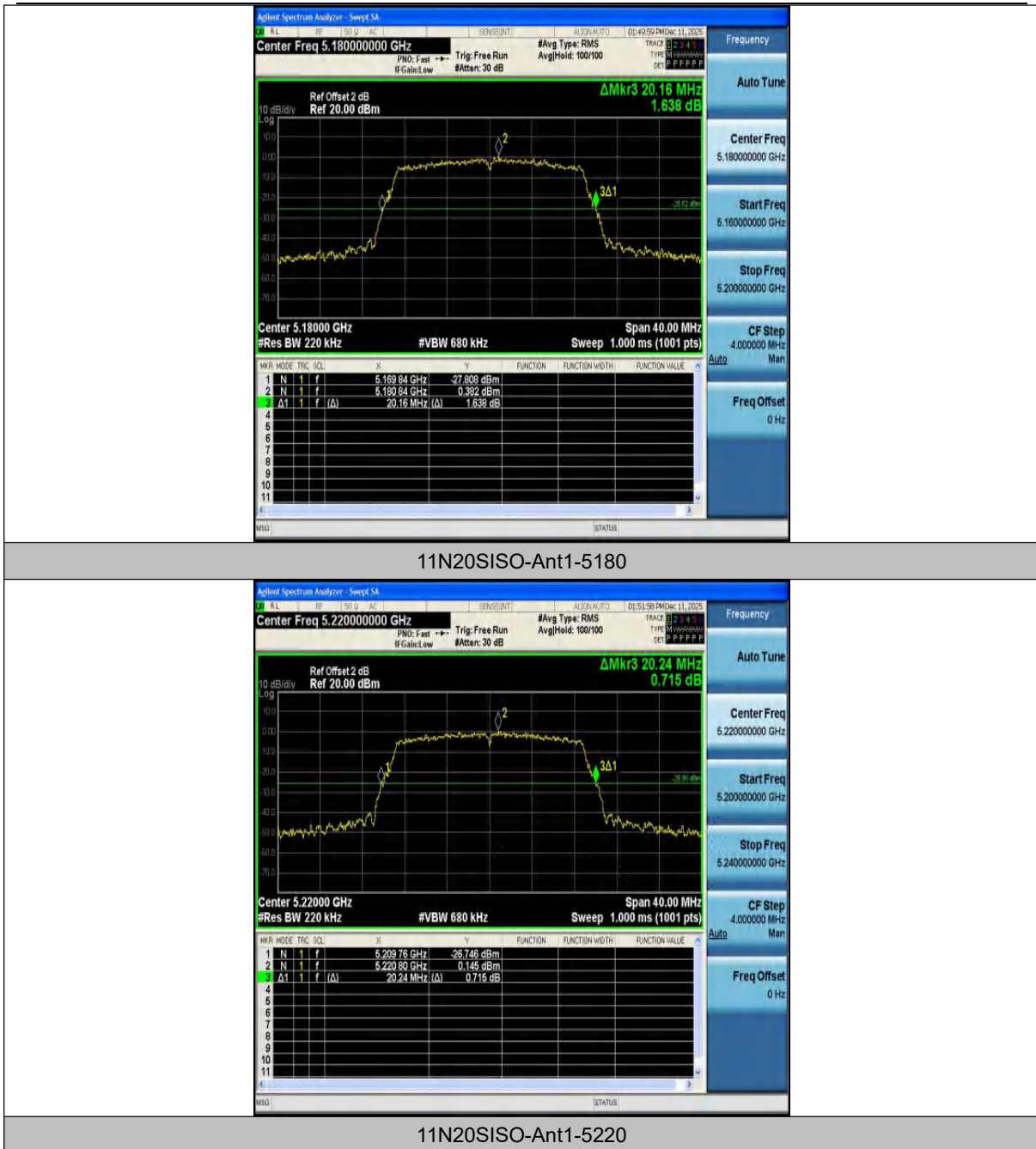


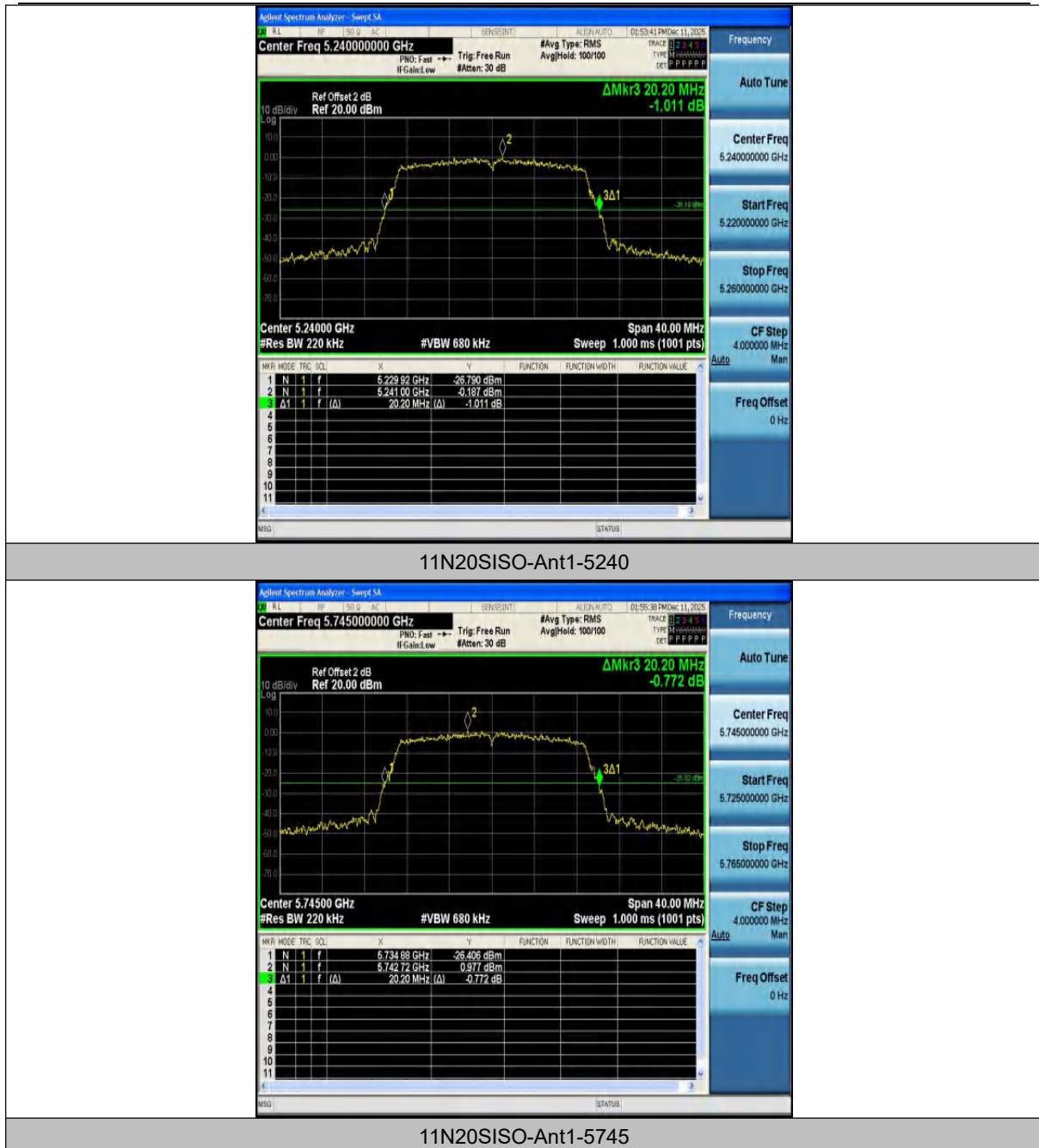
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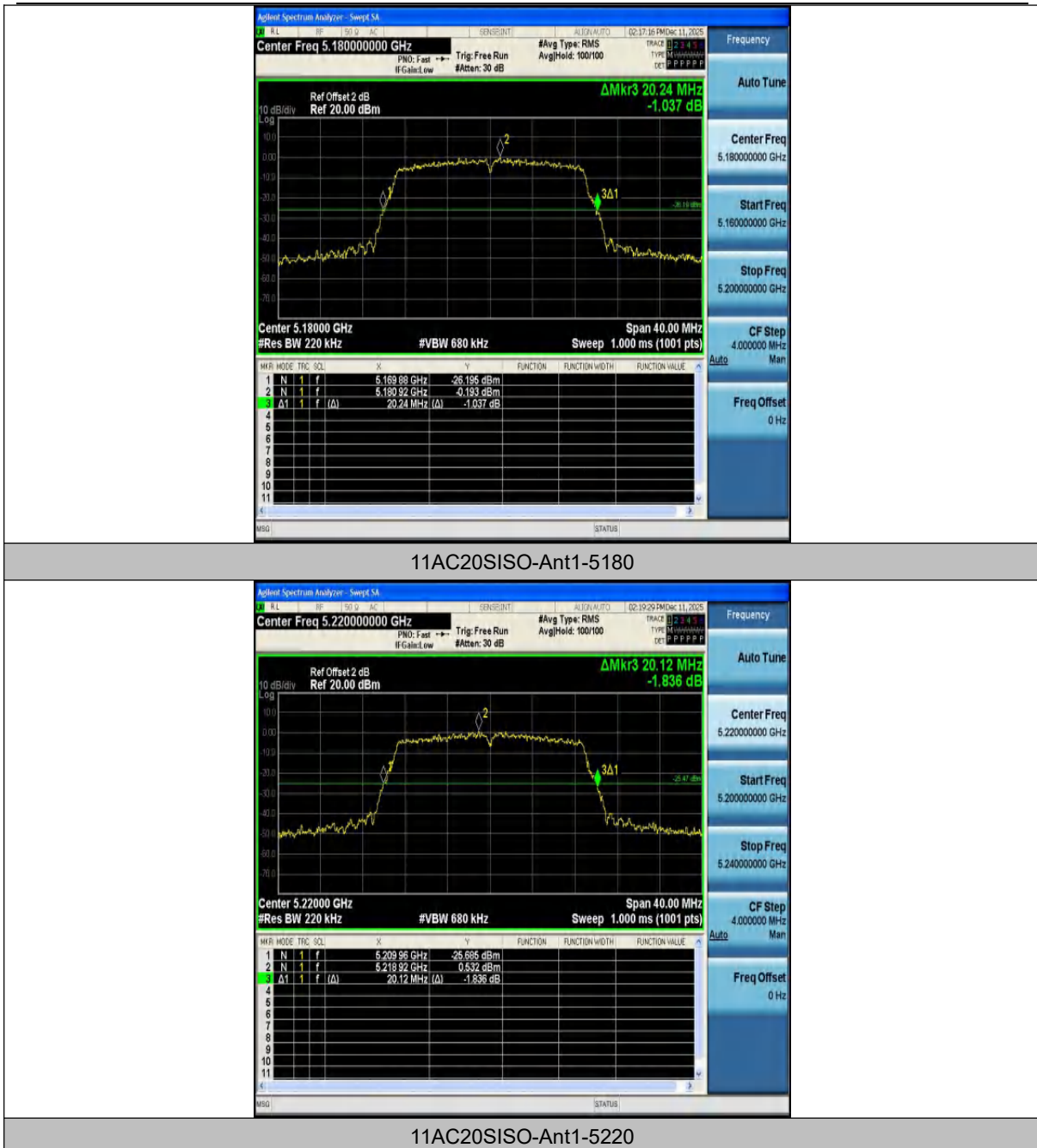
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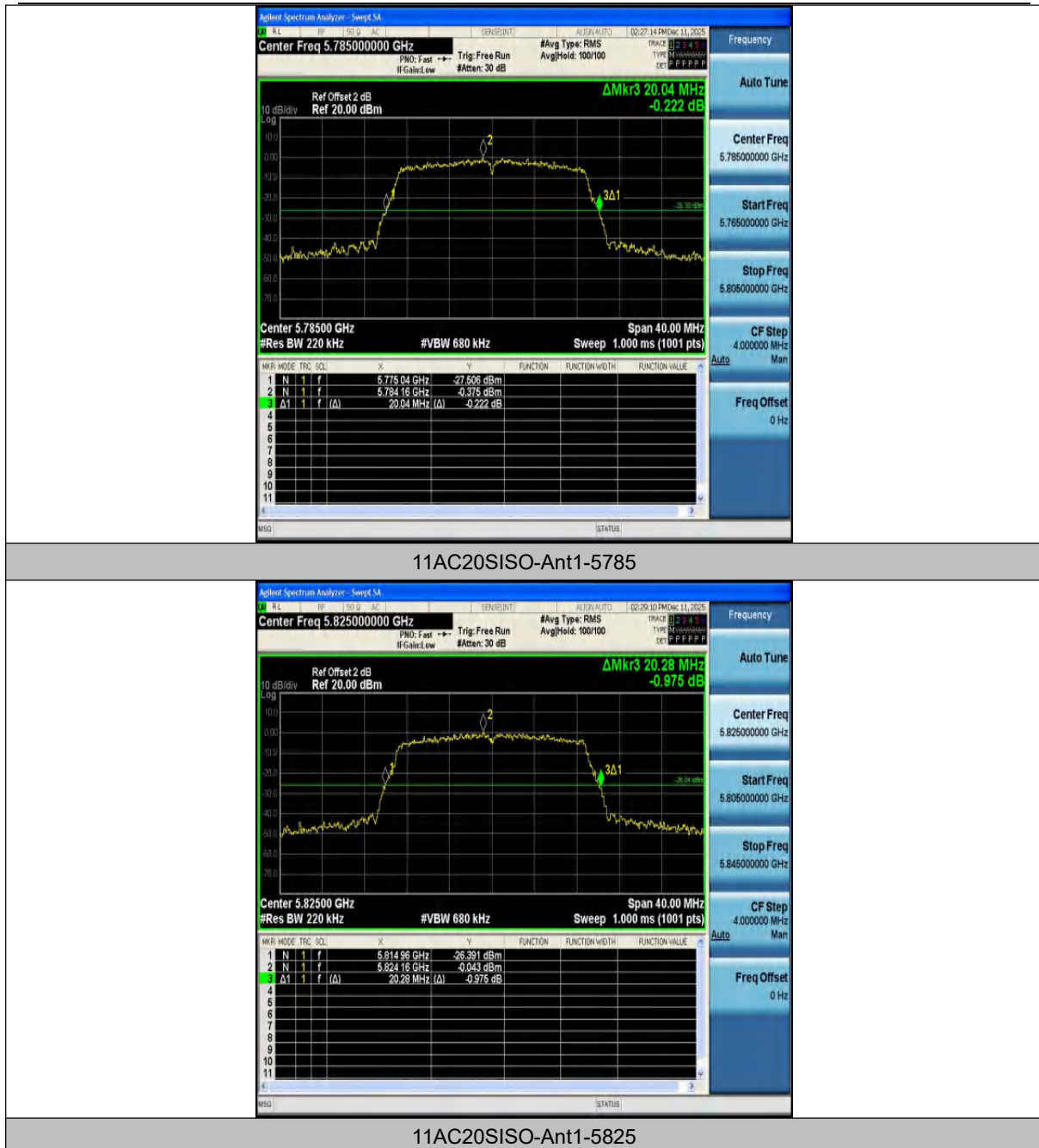
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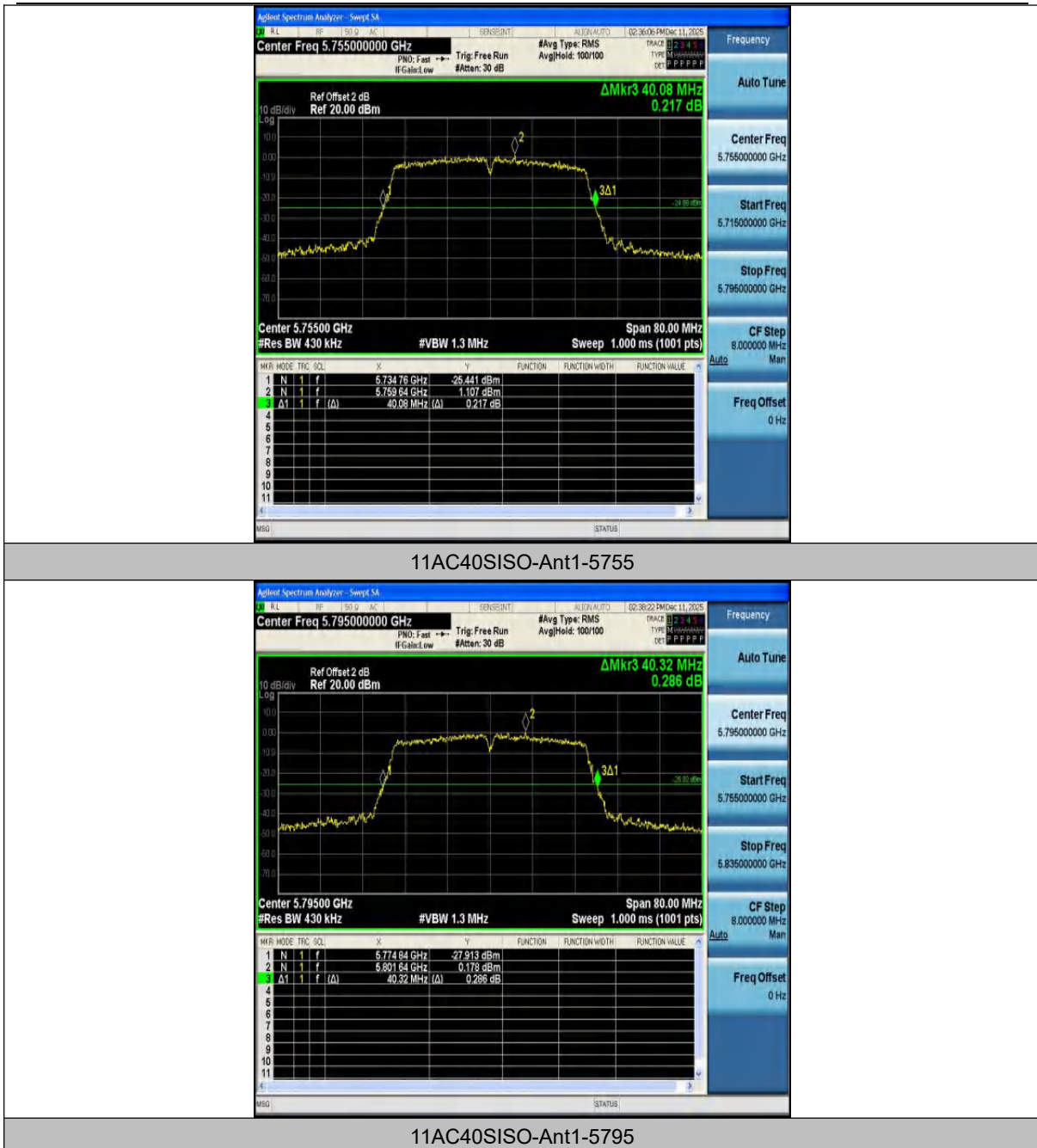


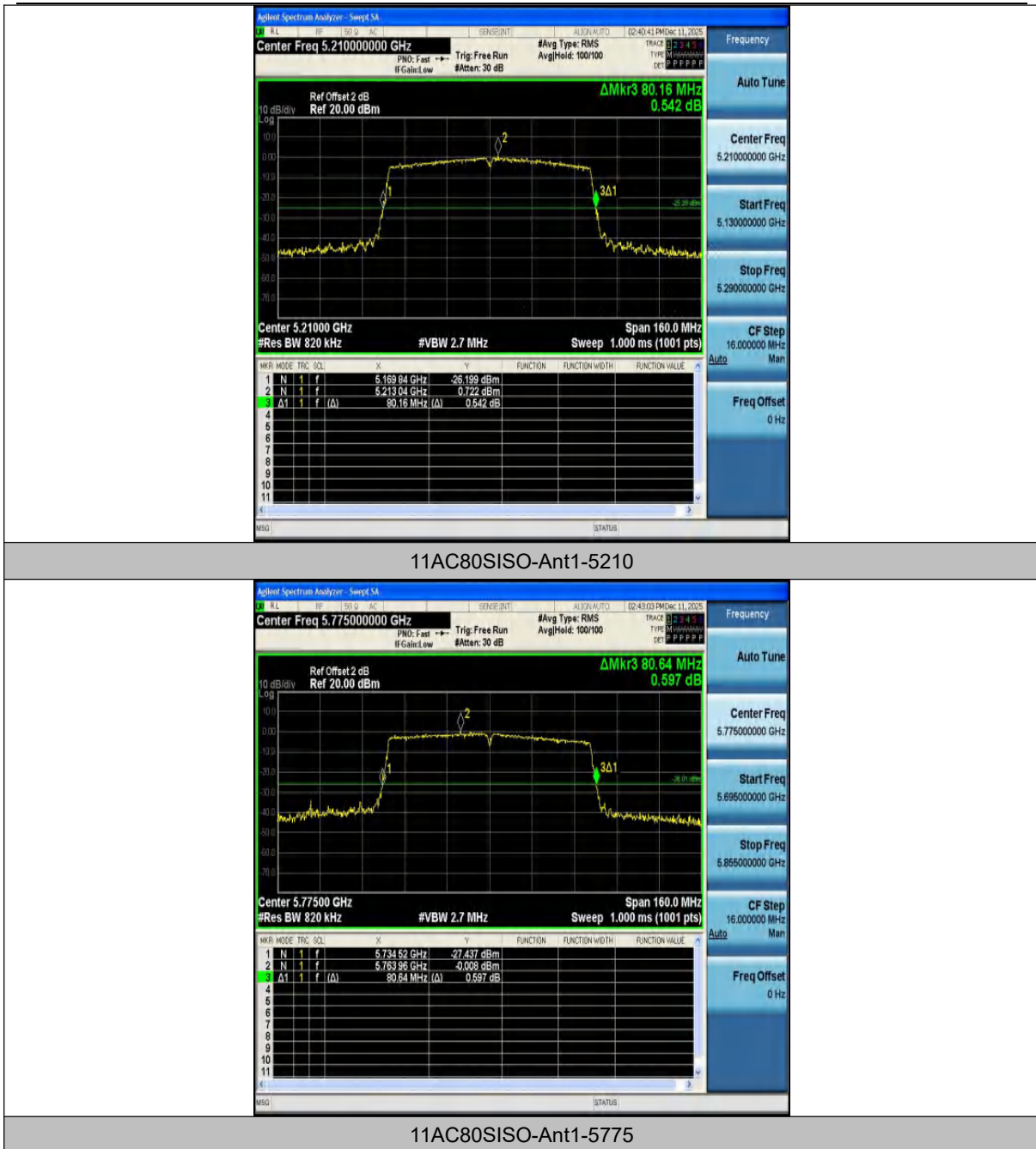












Appendix A2: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.751	5171.6712	5188.4222	---	---
11A	Ant1	5220	16.729	5211.6418	5228.3708	---	---
11A	Ant1	5240	16.866	5231.5352	5248.4012	---	---
11A	Ant1	5745	16.734	5736.5832	5753.3172	---	---
11A	Ant1	5785	16.810	5776.6282	5793.4382	---	---
11A	Ant1	5825	16.790	5816.6157	5833.4057	---	---
11N20SISO	Ant1	5180	17.773	5171.1187	5188.8917	---	---
11N20SISO	Ant1	5220	17.797	5211.0816	5228.8786	---	---
11N20SISO	Ant1	5240	17.743	5231.0874	5248.8304	---	---
11N20SISO	Ant1	5745	17.772	5736.0785	5753.8505	---	---
11N20SISO	Ant1	5785	17.752	5776.1130	5793.8650	---	---
11N20SISO	Ant1	5825	17.767	5816.1332	5833.9002	---	---
11N40SISO	Ant1	5190	36.012	5172.0232	5208.0352	---	---
11N40SISO	Ant1	5230	35.976	5211.9630	5247.9390	---	---
11N40SISO	Ant1	5755	36.088	5736.8760	5772.9640	---	---
11N40SISO	Ant1	5795	36.199	5776.9317	5813.1307	---	---
11AC20SISO	Ant1	5180	17.810	5171.1146	5188.9246	---	---
11AC20SISO	Ant1	5220	17.739	5211.1048	5228.8438	---	---
11AC20SISO	Ant1	5240	17.749	5231.1420	5248.8910	---	---
11AC20SISO	Ant1	5745	17.757	5736.0734	5753.8304	---	---
11AC20SISO	Ant1	5785	17.751	5776.1219	5793.8729	---	---
11AC20SISO	Ant1	5825	17.729	5816.1399	5833.8689	---	---
11AC40SISO	Ant1	5190	36.057	5172.0145	5208.0715	---	---
11AC40SISO	Ant1	5230	36.054	5211.9174	5247.9714	---	---
11AC40SISO	Ant1	5755	35.993	5736.8962	5772.8892	---	---
11AC40SISO	Ant1	5795	36.138	5776.9462	5813.0842	---	---
11AC80SISO	Ant1	5210	75.126	5172.4100	5247.5360	---	---
11AC80SISO	Ant1	5775	75.542	5737.0627	5812.6047	---	---

Test Graphs



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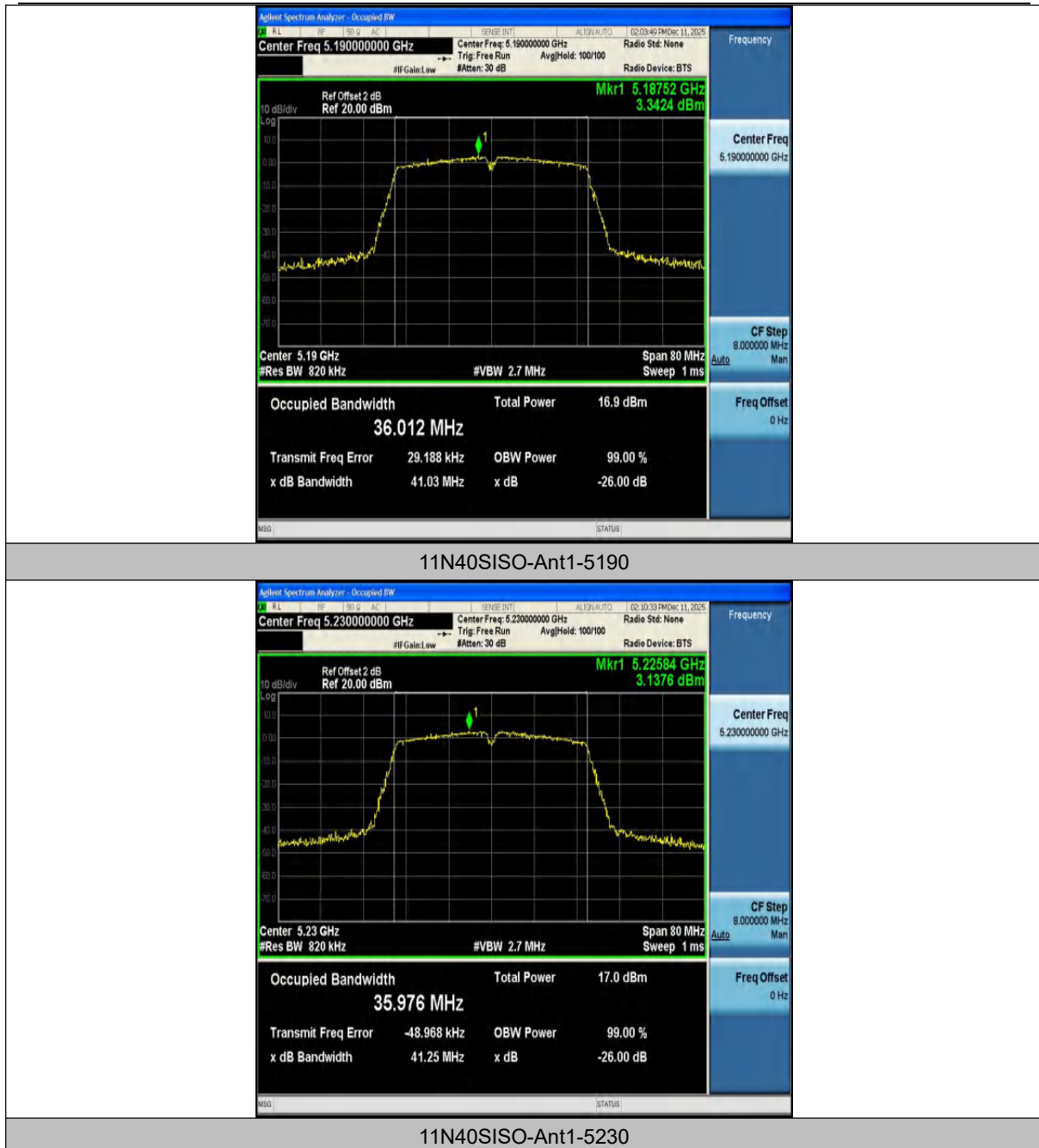
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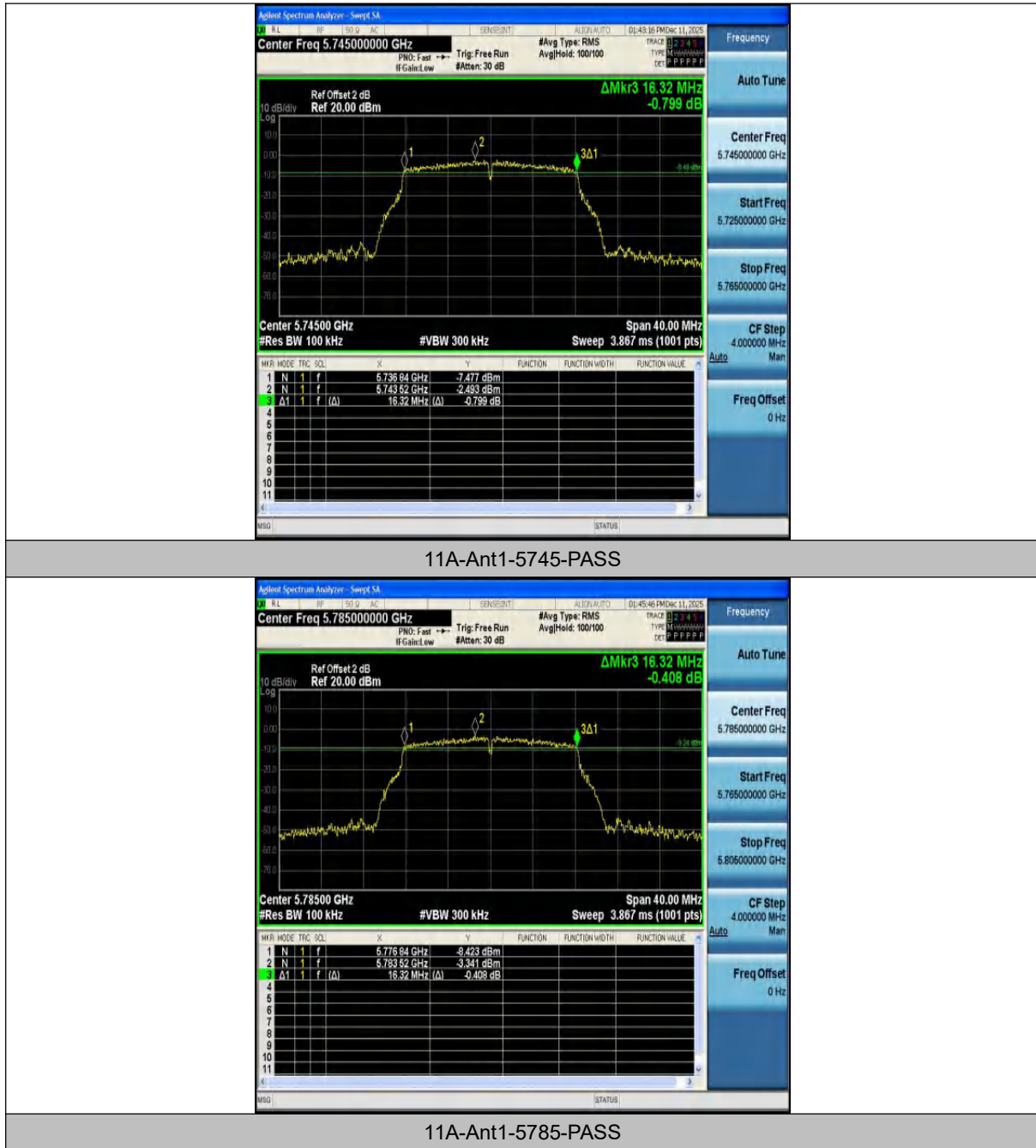
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Appendix A3: Minimum 6dB Bandwidth

Test Result B4

Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.320	5736.840	5753.160	0.5	PASS
11A	Ant1	5785	16.320	5776.840	5793.160	0.5	PASS
11A	Ant1	5825	16.320	5816.840	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.600	5736.200	5753.800	0.5	PASS
11N20SISO	Ant1	5785	17.520	5776.240	5793.760	0.5	PASS
11N20SISO	Ant1	5825	17.600	5816.200	5833.800	0.5	PASS
11N40SISO	Ant1	5755	35.680	5736.840	5772.520	0.5	PASS
11N40SISO	Ant1	5795	36.080	5777.080	5813.160	0.5	PASS
11AC20SISO	Ant1	5745	17.200	5736.200	5753.400	0.5	PASS
11AC20SISO	Ant1	5785	17.560	5776.200	5793.760	0.5	PASS
11AC20SISO	Ant1	5825	17.600	5816.200	5833.800	0.5	PASS
11AC40SISO	Ant1	5755	35.840	5736.840	5772.680	0.5	PASS
11AC40SISO	Ant1	5795	36.320	5776.840	5813.160	0.5	PASS
11AC80SISO	Ant1	5775	76.320	5736.760	5813.080	0.5	PASS

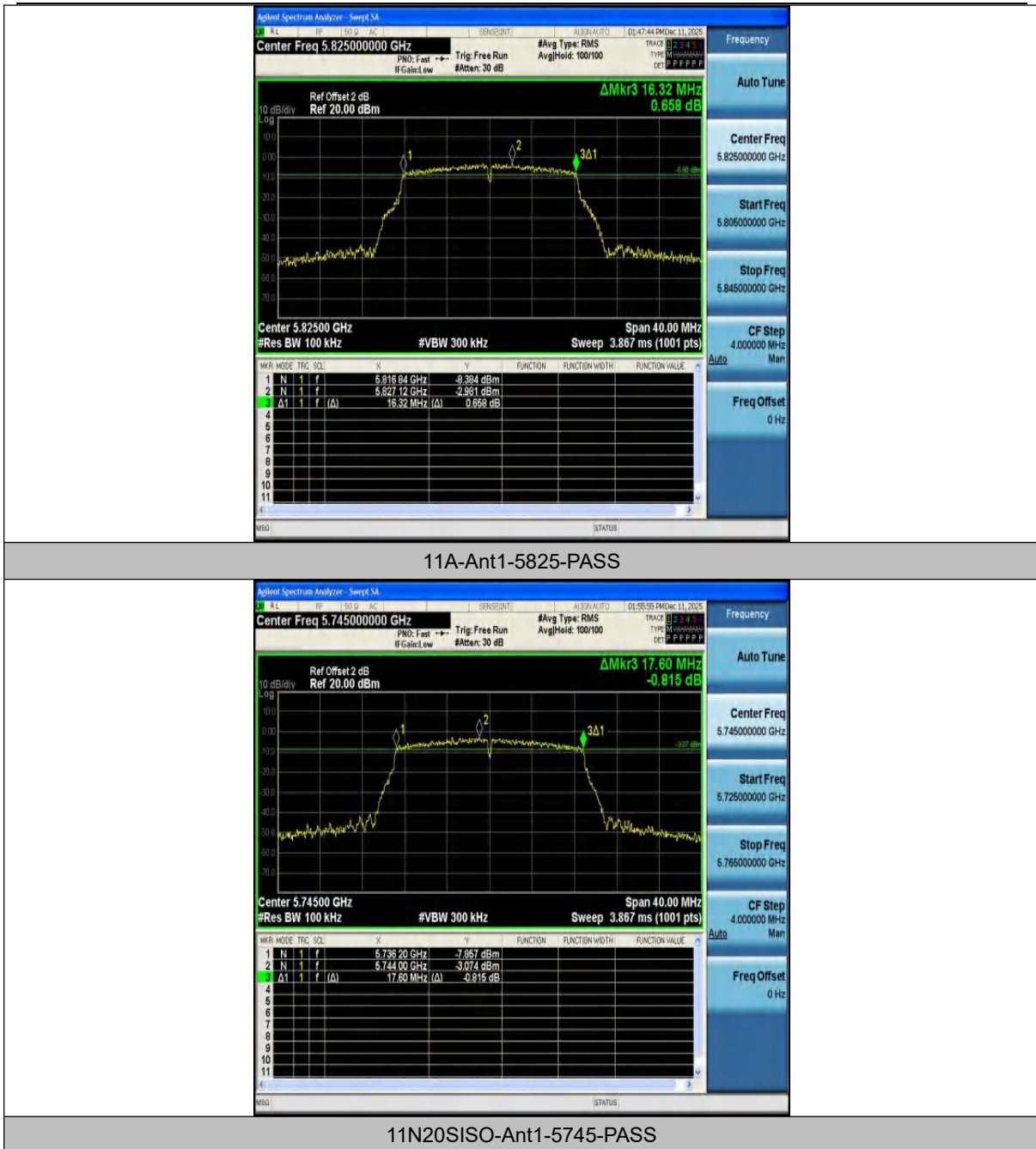
Test Graphs B4

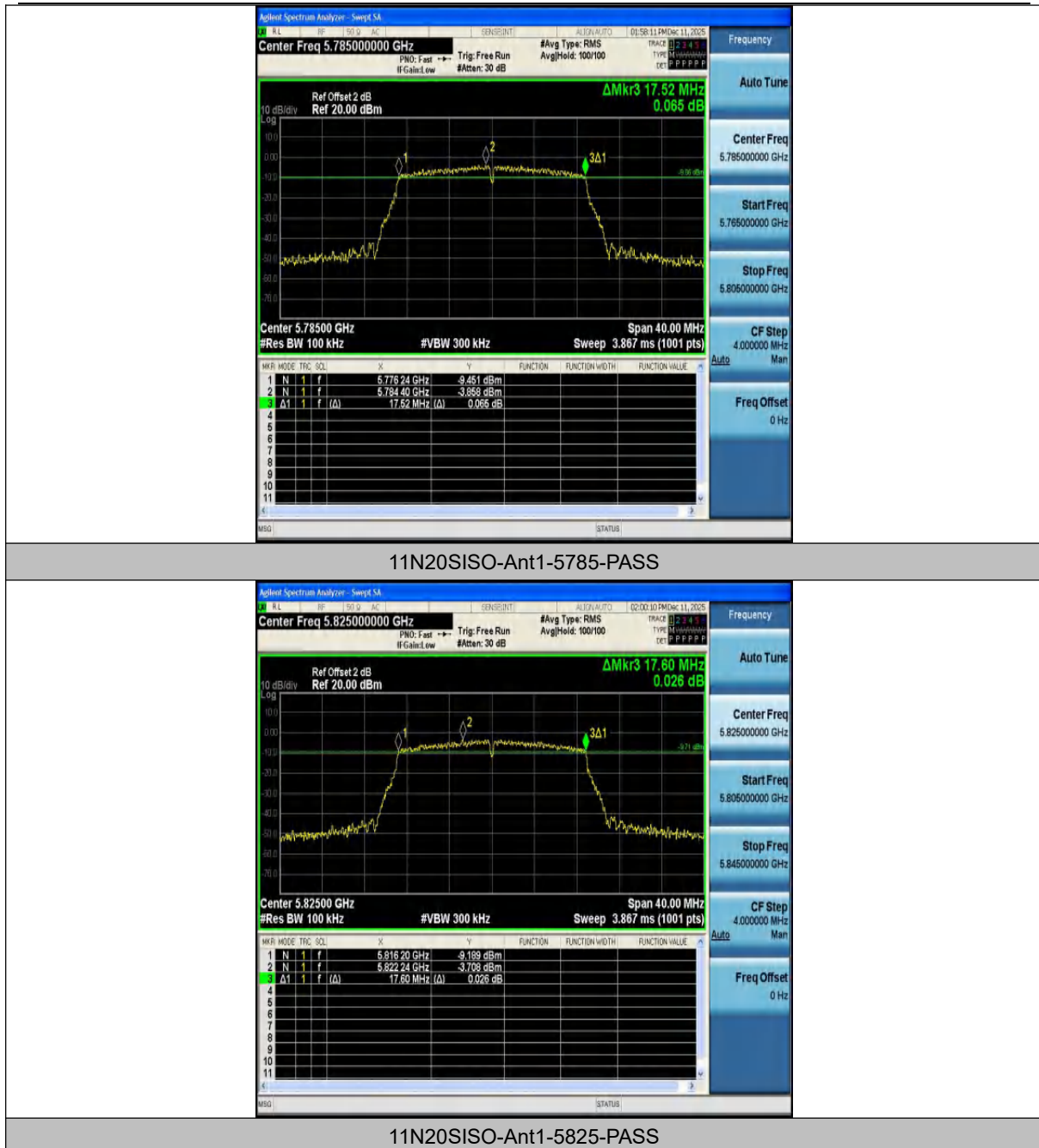


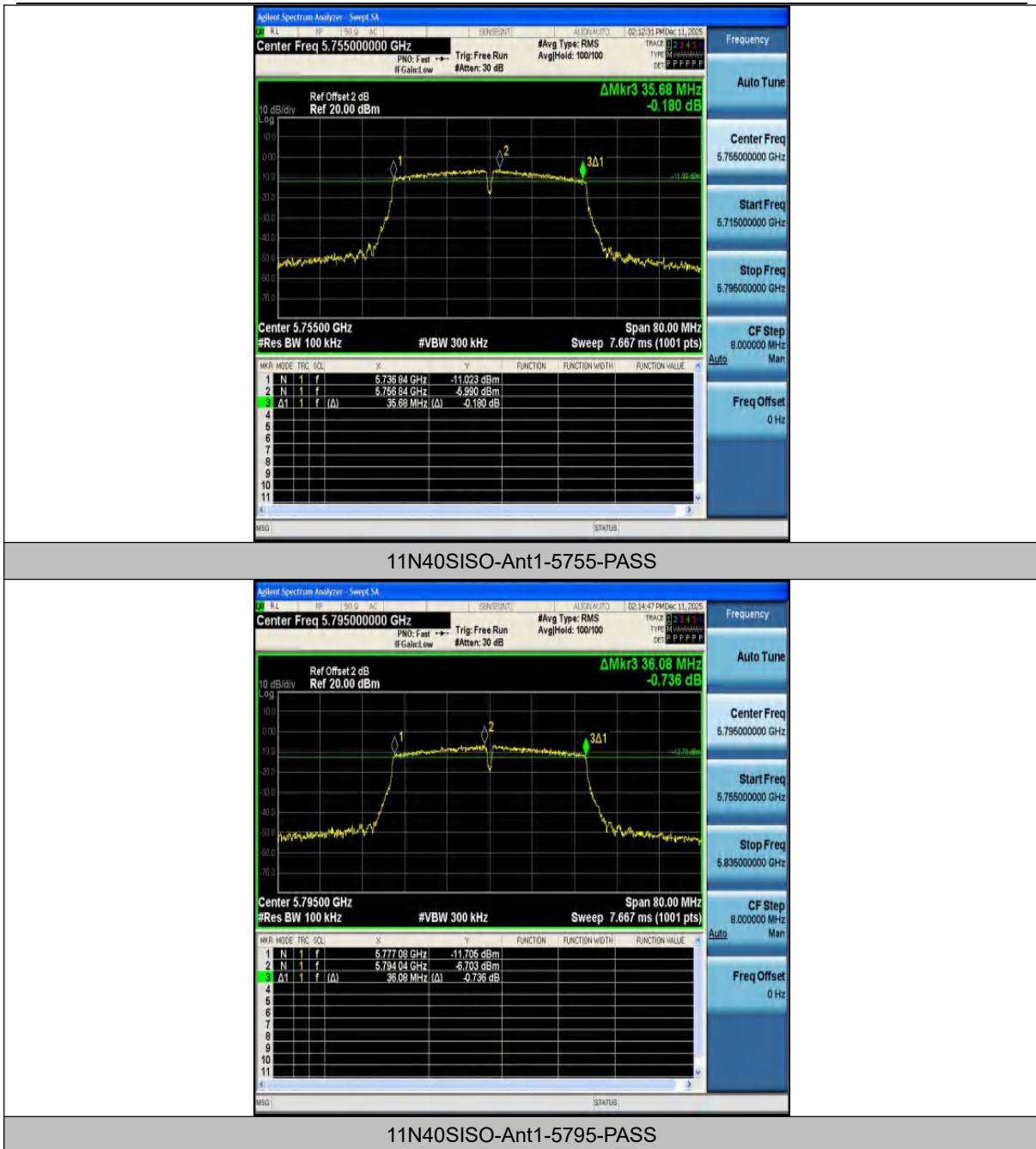
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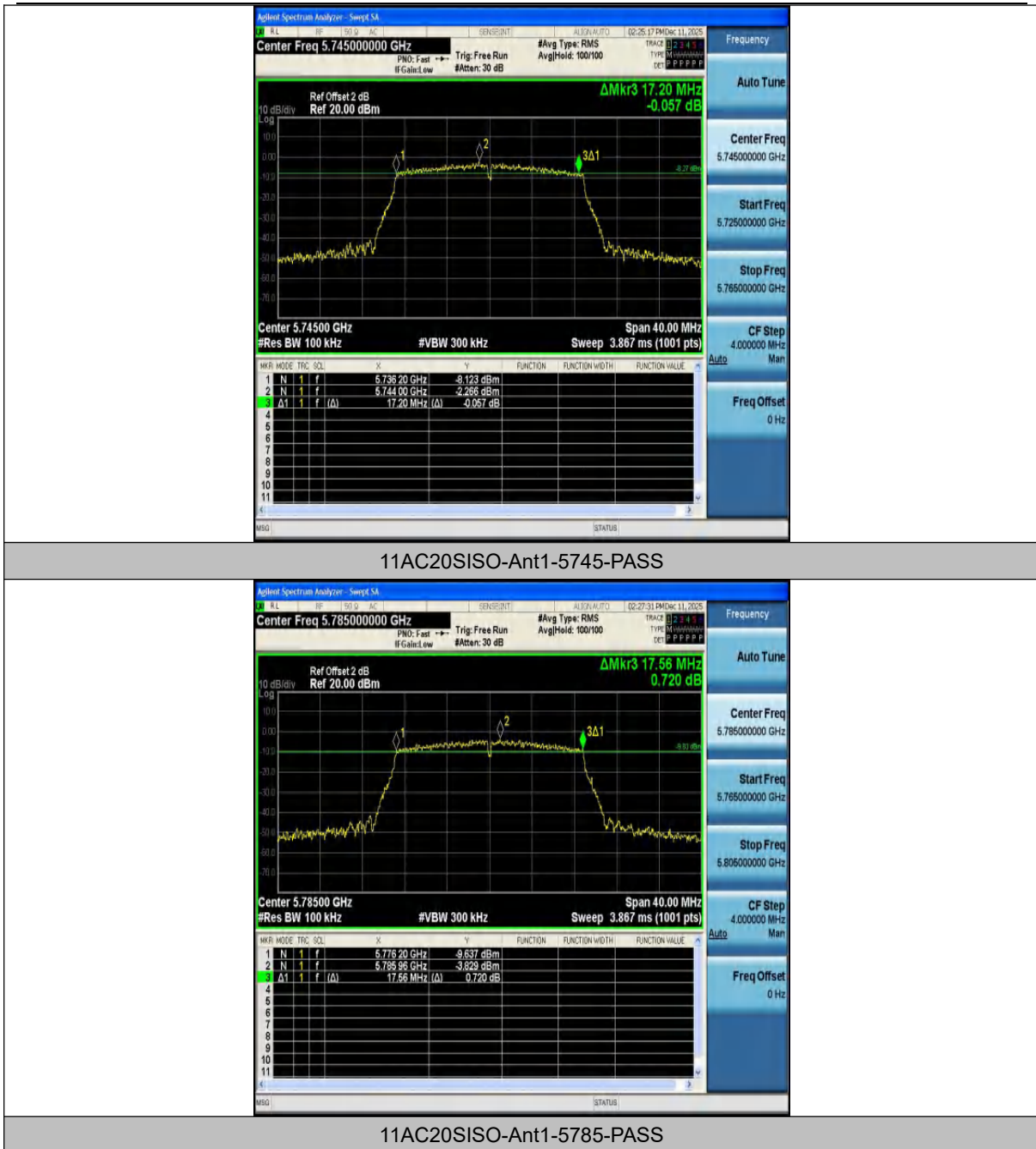
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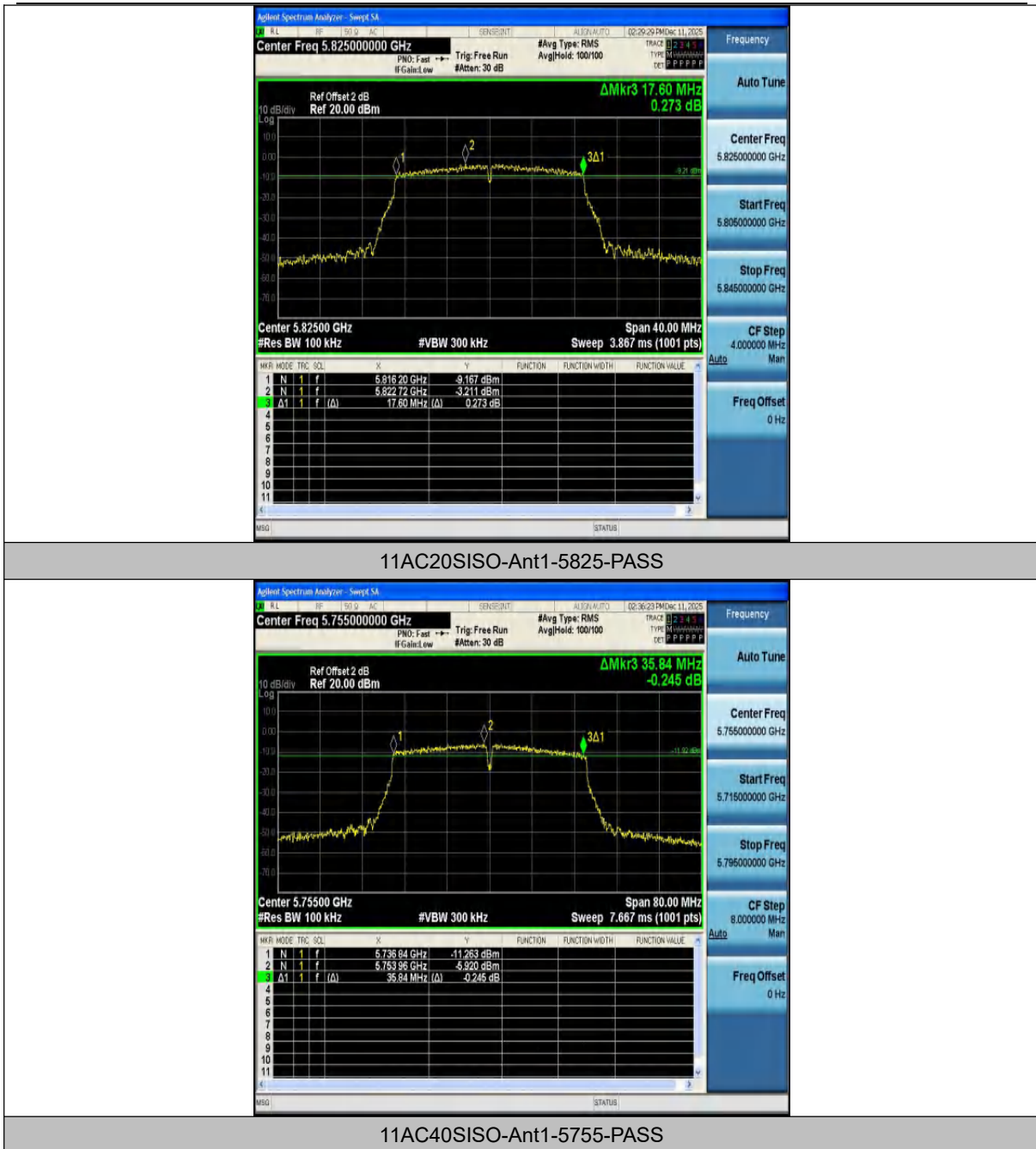
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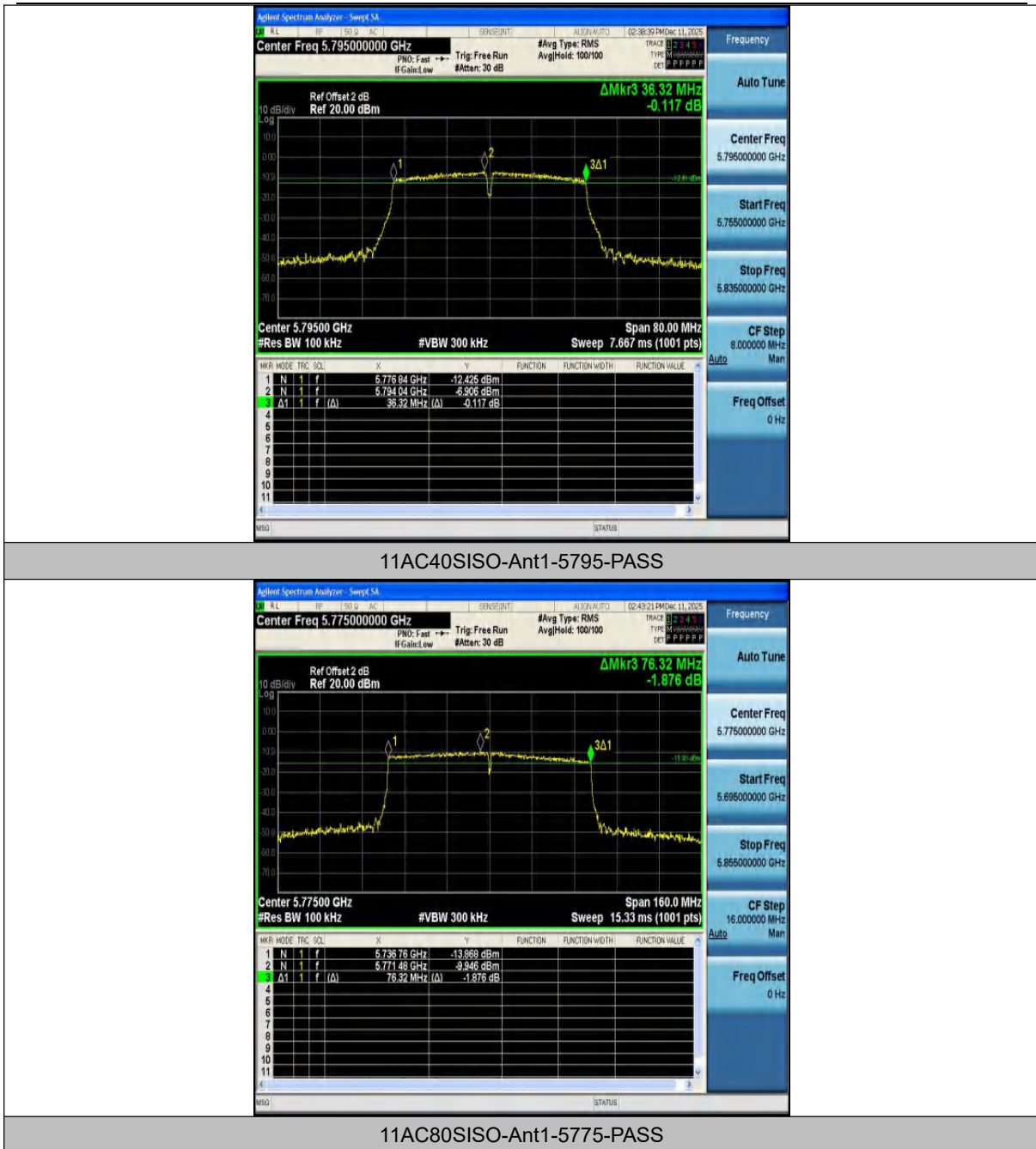










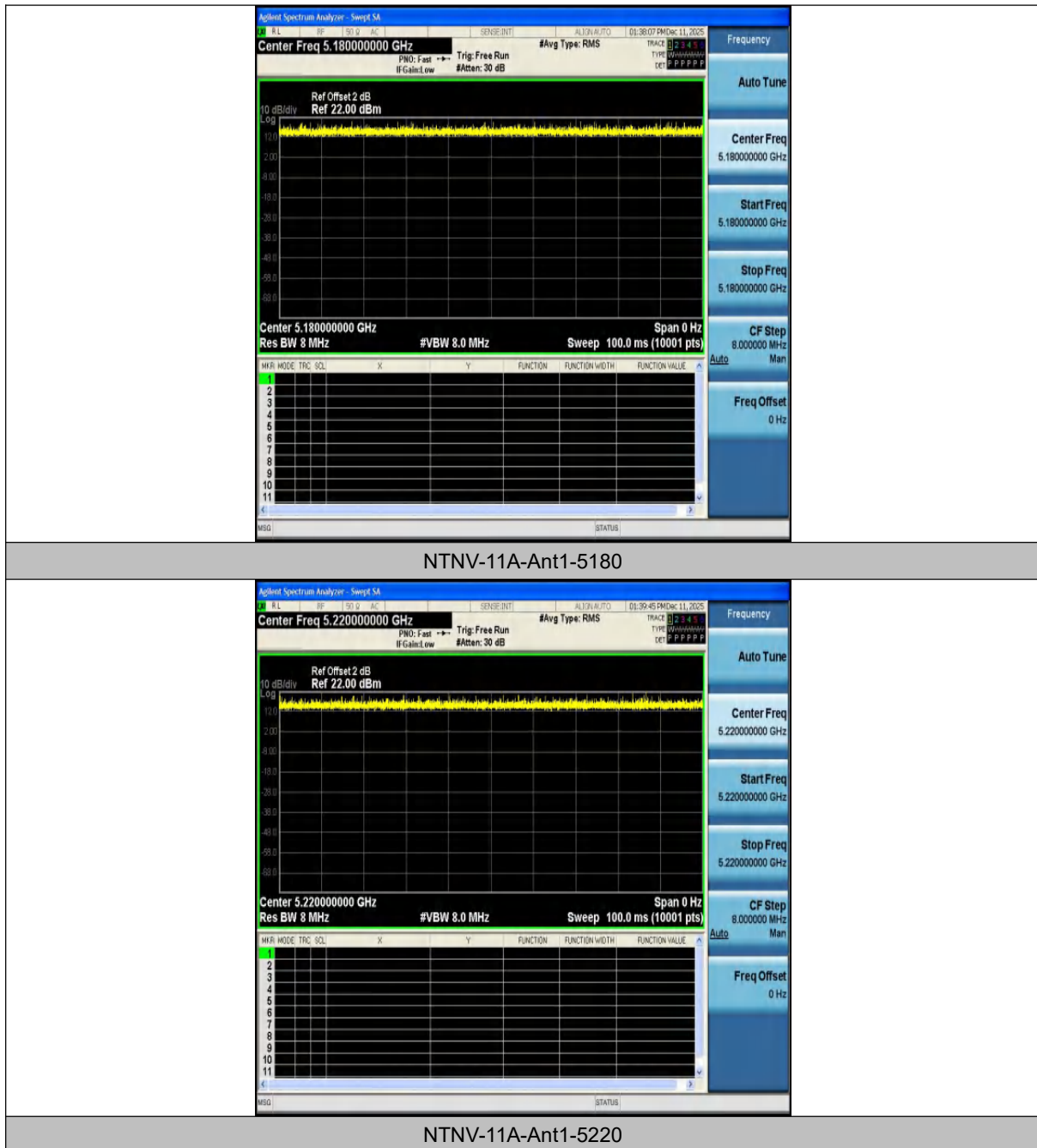


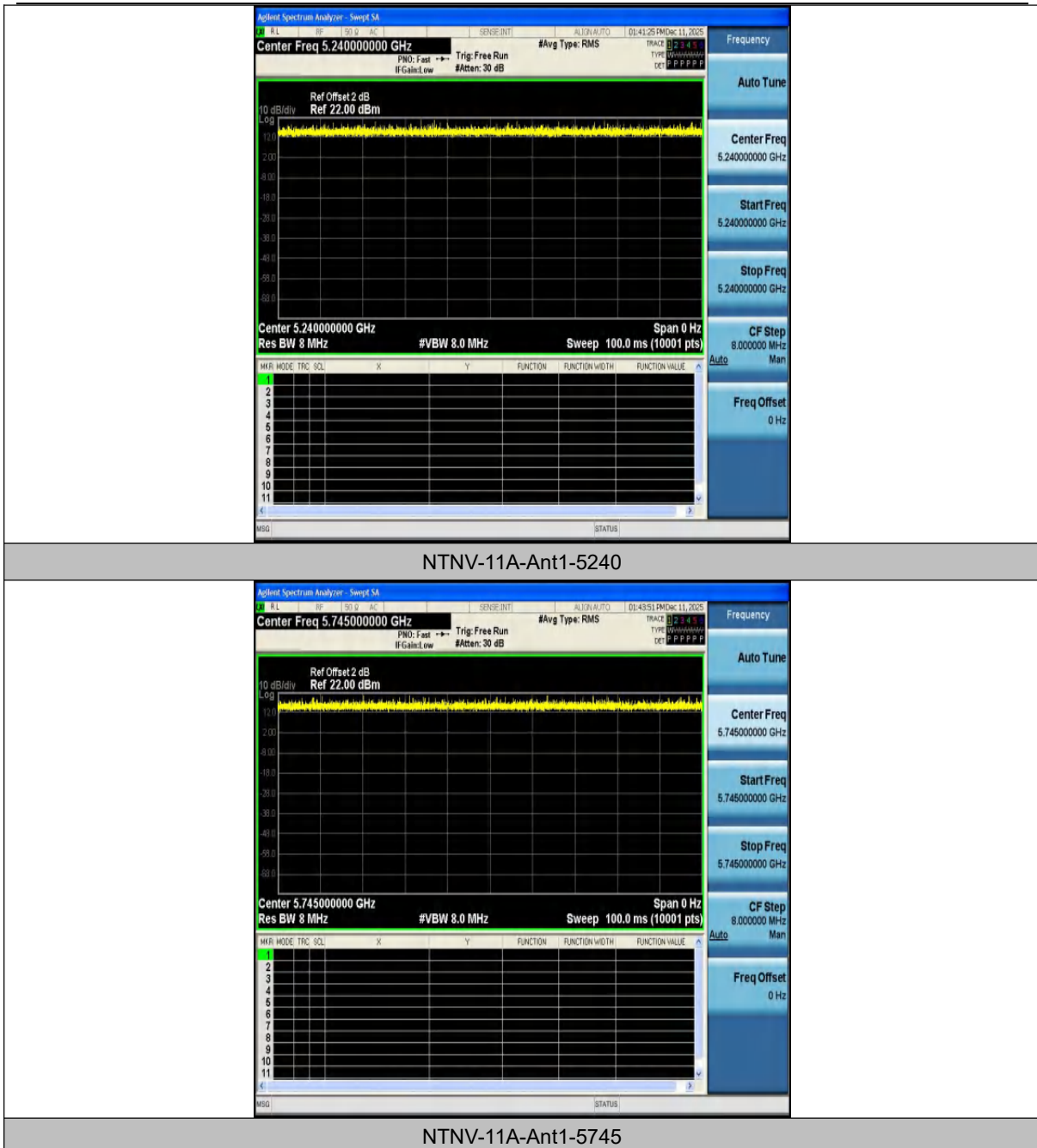
Appendix B: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Dc Factor [dB]	1/T
11A	Ant1	5180	100.00	100.00	100.00	0.00	0.01
11A	Ant1	5220	100.00	100.00	100.00	0.00	0.01
11A	Ant1	5240	100.00	100.00	100.00	0.00	0.01
11A	Ant1	5745	100.00	100.00	100.00	0.00	0.01
11A	Ant1	5785	100.00	100.00	100.00	0.00	0.01
11A	Ant1	5825	100.00	100.00	100.00	0.00	0.01
11N20SISO	Ant1	5180	100.00	100.00	100.00	0.00	0.01
11N20SISO	Ant1	5220	100.00	100.00	100.00	0.00	0.01
11N20SISO	Ant1	5240	100.00	100.00	100.00	0.00	0.01
11N20SISO	Ant1	5745	100.00	100.00	100.00	0.00	0.01
11N20SISO	Ant1	5785	100.00	100.00	100.00	0.00	0.01
11N20SISO	Ant1	5825	100.00	100.00	100.00	0.00	0.01
11N40SISO	Ant1	5190	100.00	100.00	100.00	0.00	0.01
11N40SISO	Ant1	5230	100.00	100.00	100.00	0.00	0.01
11N40SISO	Ant1	5755	100.00	100.00	100.00	0.00	0.01
11N40SISO	Ant1	5795	100.00	100.00	100.00	0.00	0.01
11AC20SISO	Ant1	5180	100.00	100.00	100.00	0.00	0.01
11AC20SISO	Ant1	5220	100.00	100.00	100.00	0.00	0.01
11AC20SISO	Ant1	5240	100.00	100.00	100.00	0.00	0.01
11AC20SISO	Ant1	5745	100.00	100.00	100.00	0.00	0.01
11AC20SISO	Ant1	5785	100.00	100.00	100.00	0.00	0.01
11AC20SISO	Ant1	5825	100.00	100.00	100.00	0.00	0.01
11AC40SISO	Ant1	5190	100.00	100.00	100.00	0.00	0.01
11AC40SISO	Ant1	5230	100.00	100.00	100.00	0.00	0.01
11AC40SISO	Ant1	5755	100.00	100.00	100.00	0.00	0.01
11AC40SISO	Ant1	5795	100.00	100.00	100.00	0.00	0.01
11AC80SISO	Ant1	5210	100.00	100.00	100.00	0.00	0.01
11AC80SISO	Ant1	5775	100.00	100.00	100.00	0.00	0.01

Test Graphs





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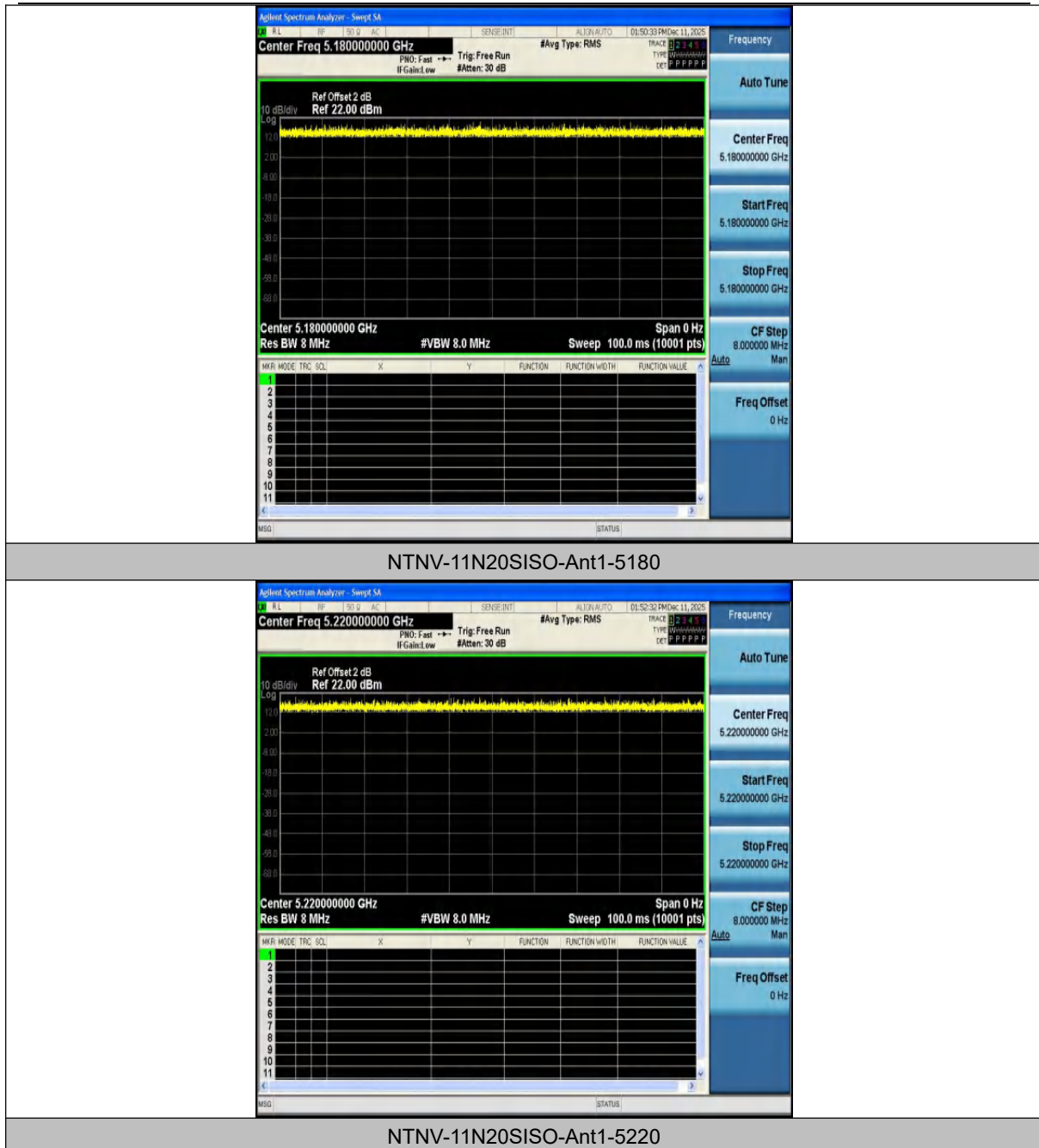
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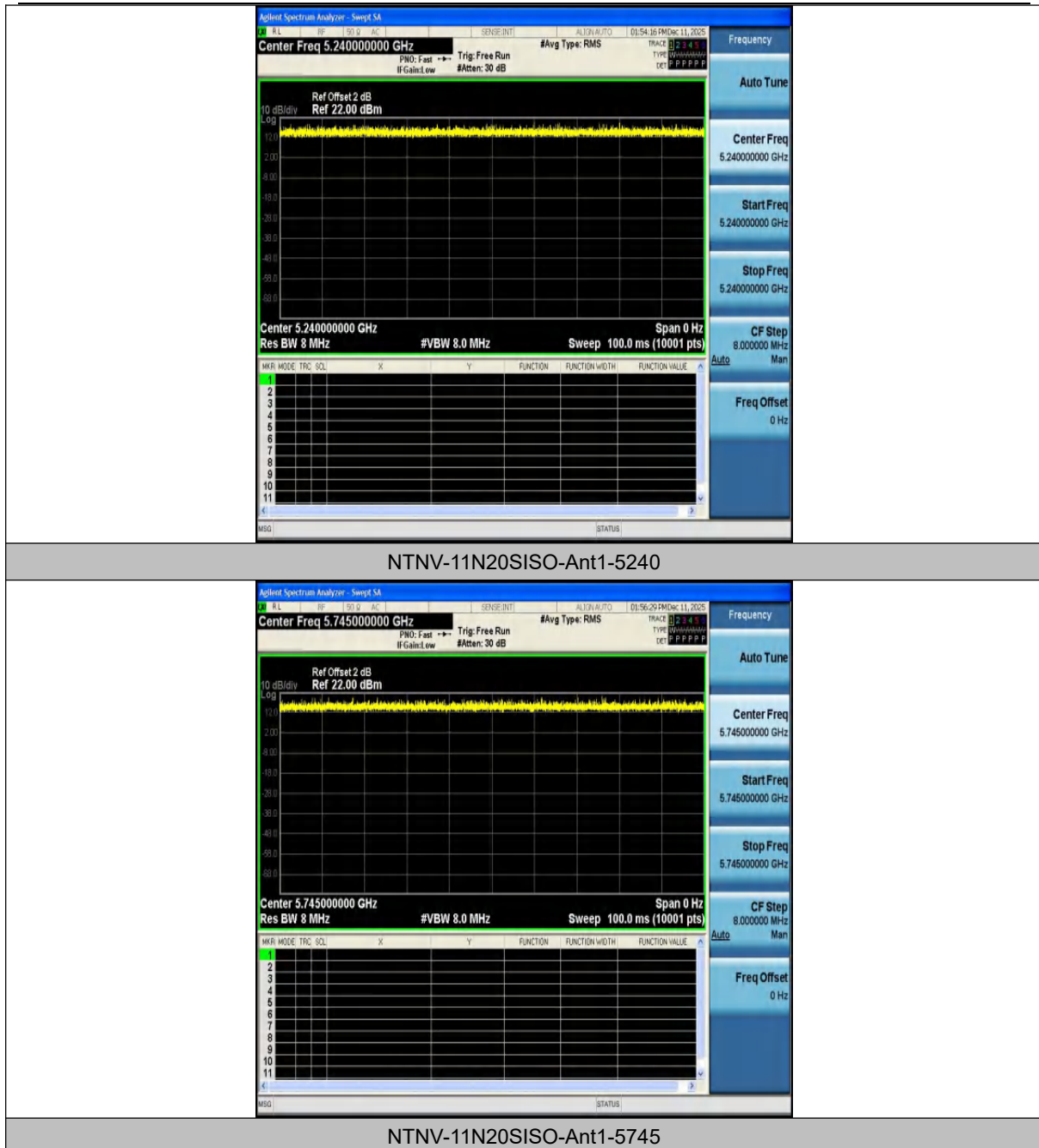
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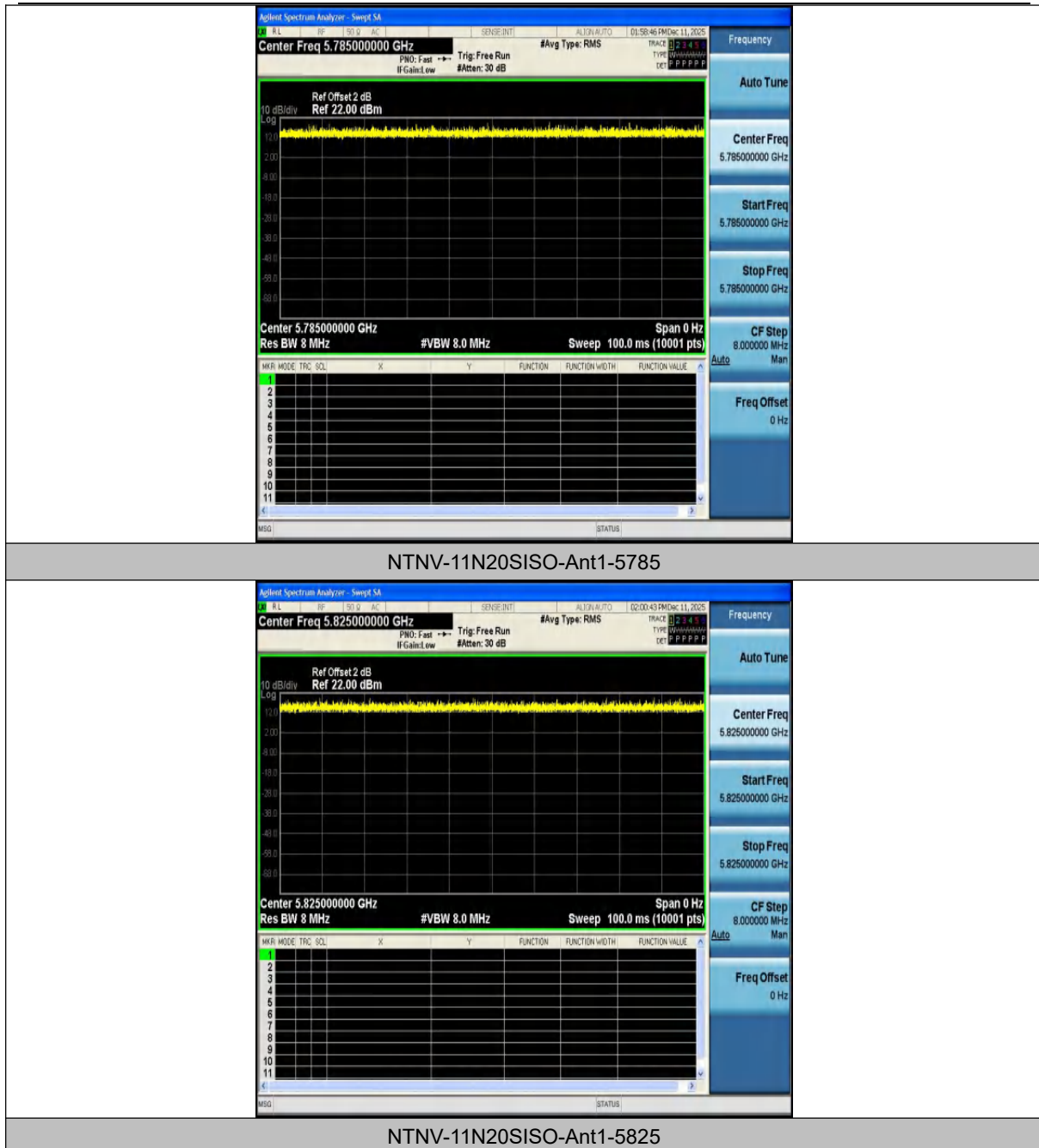


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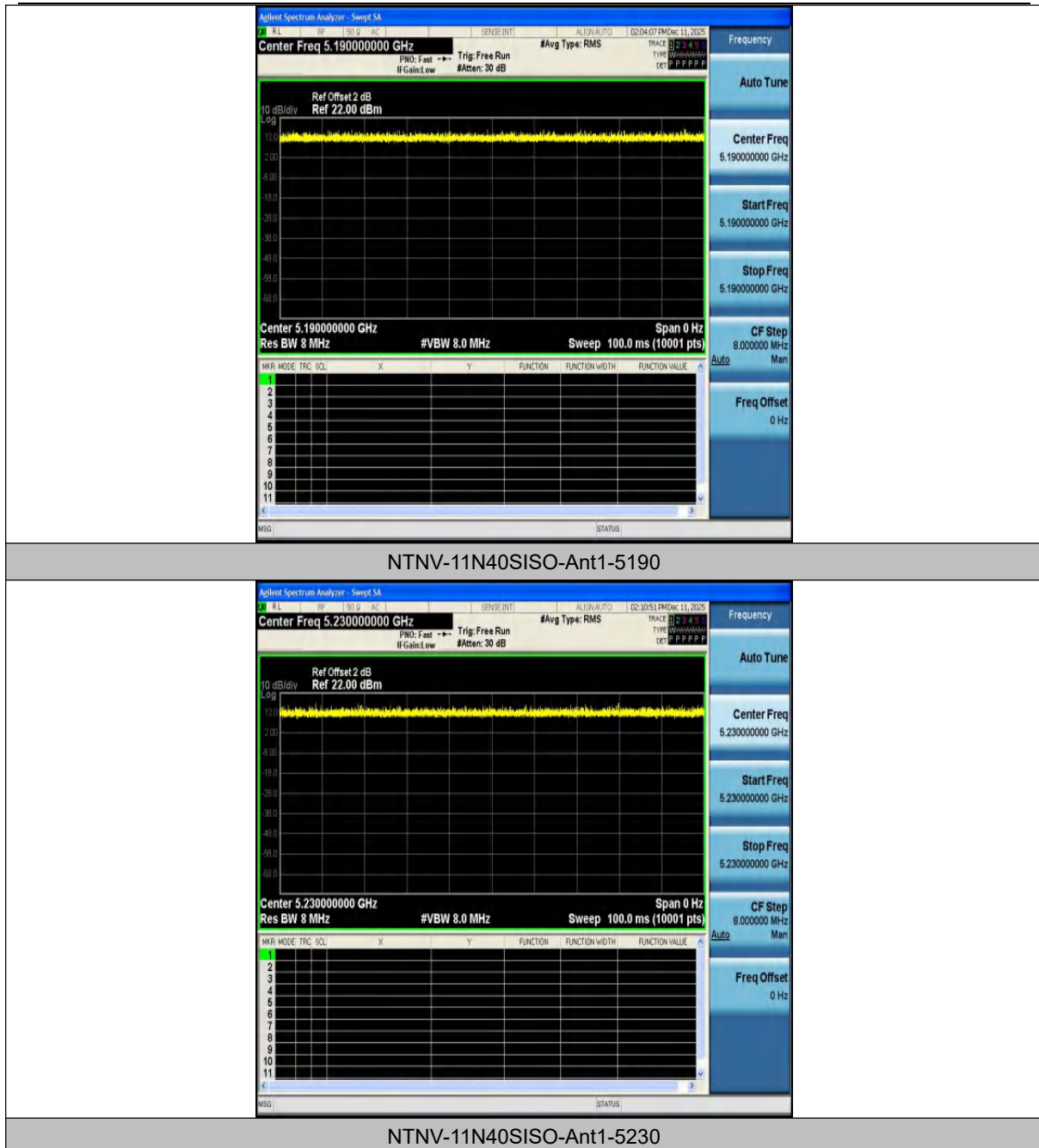




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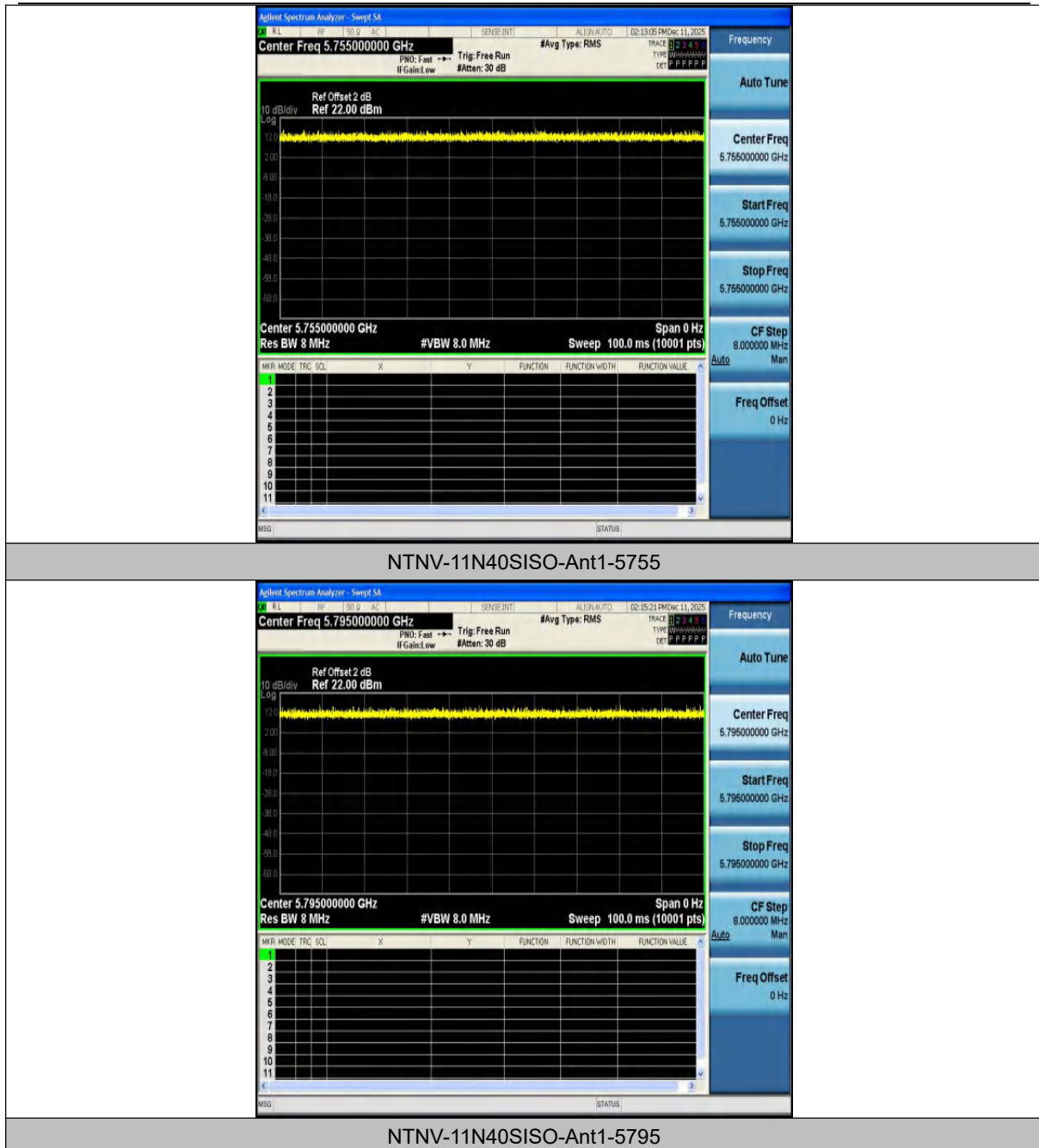
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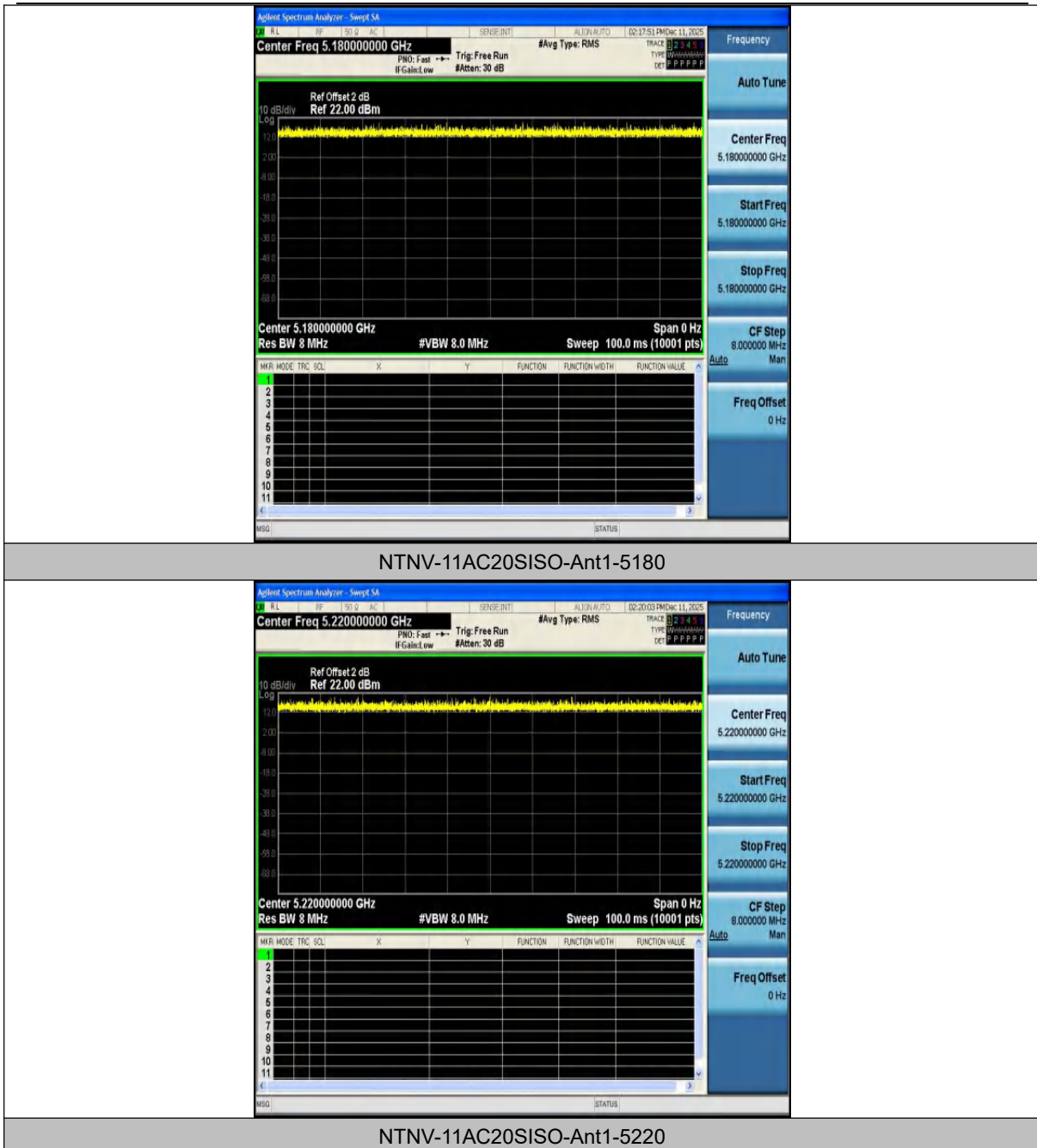
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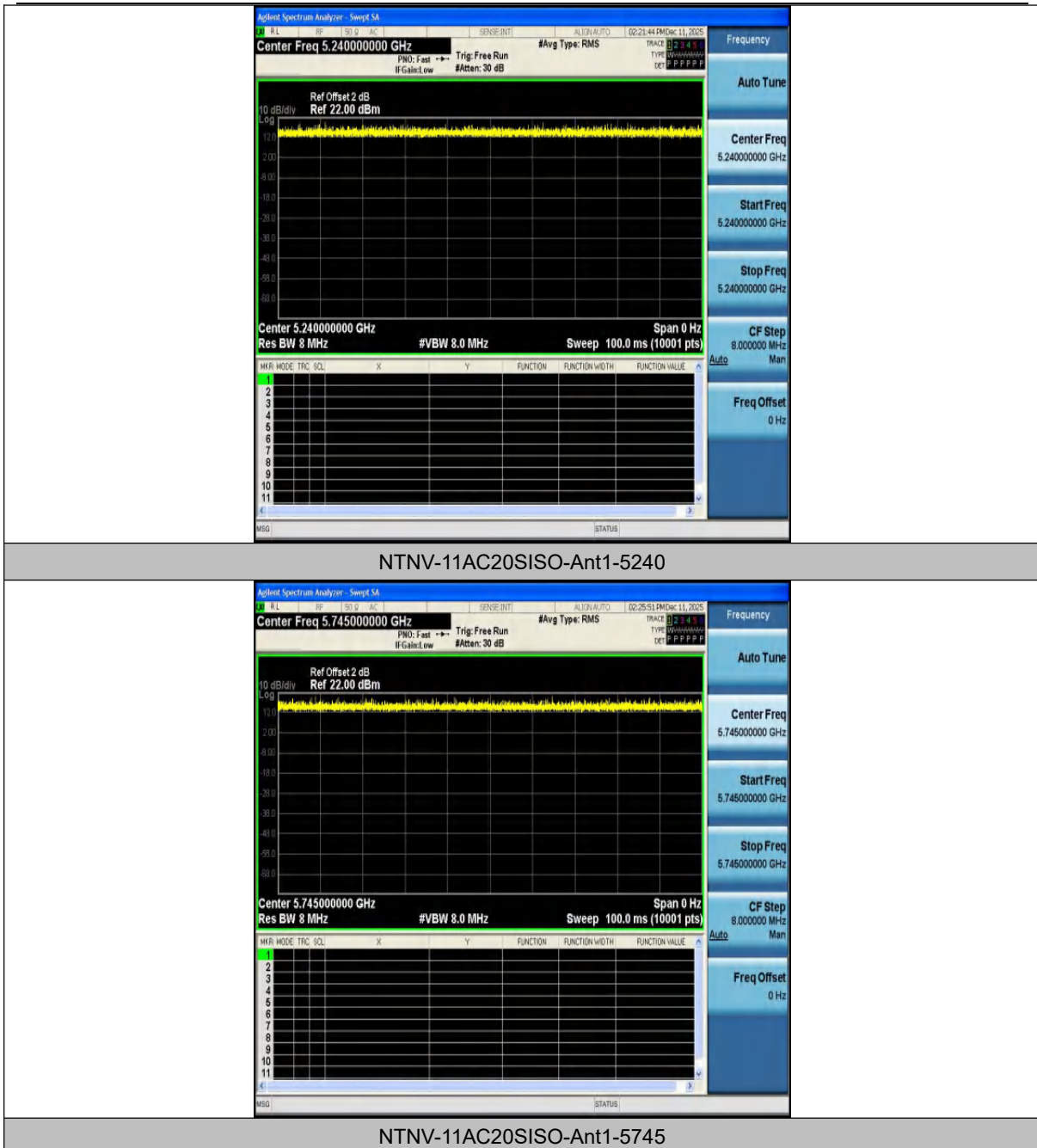
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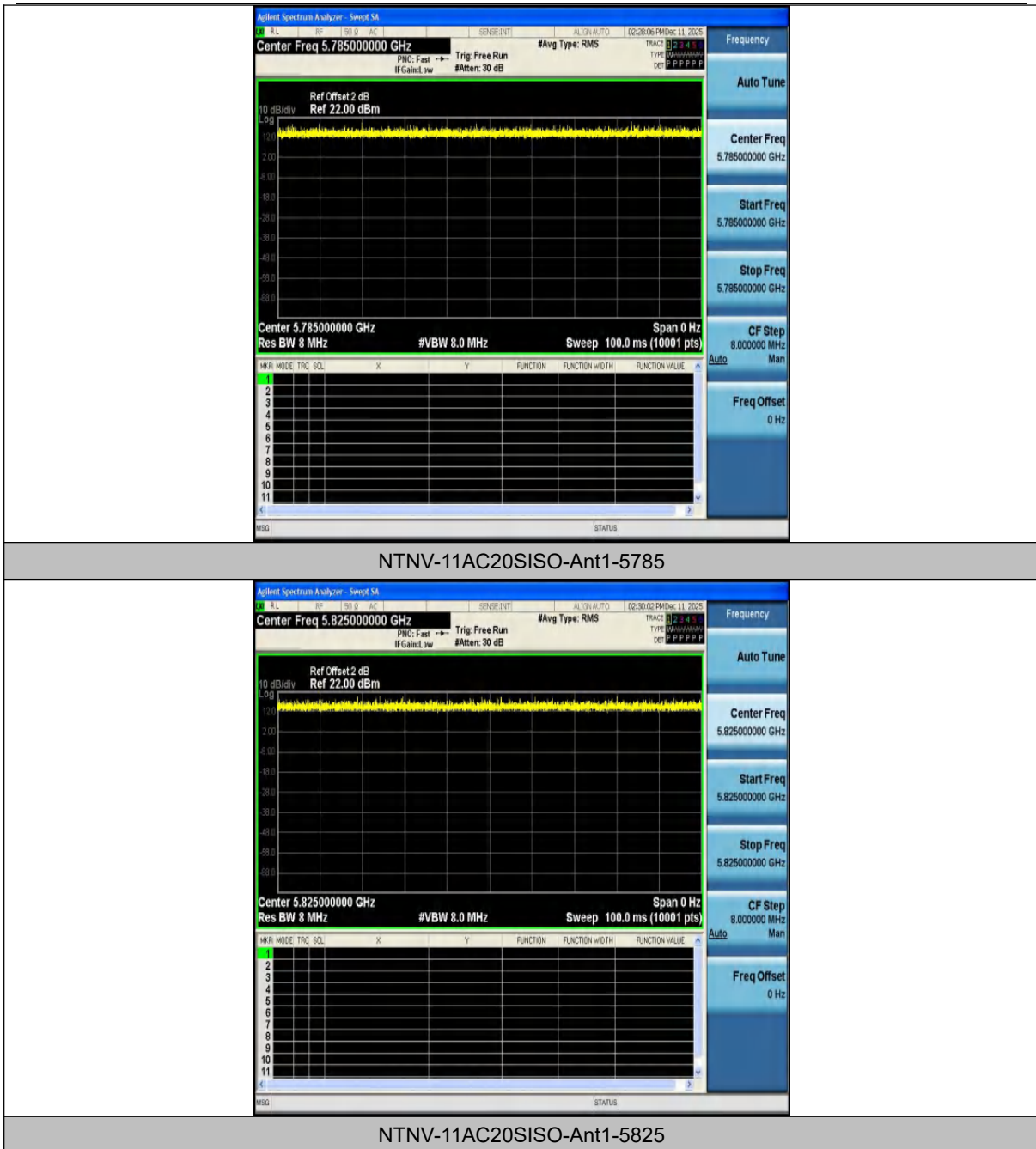
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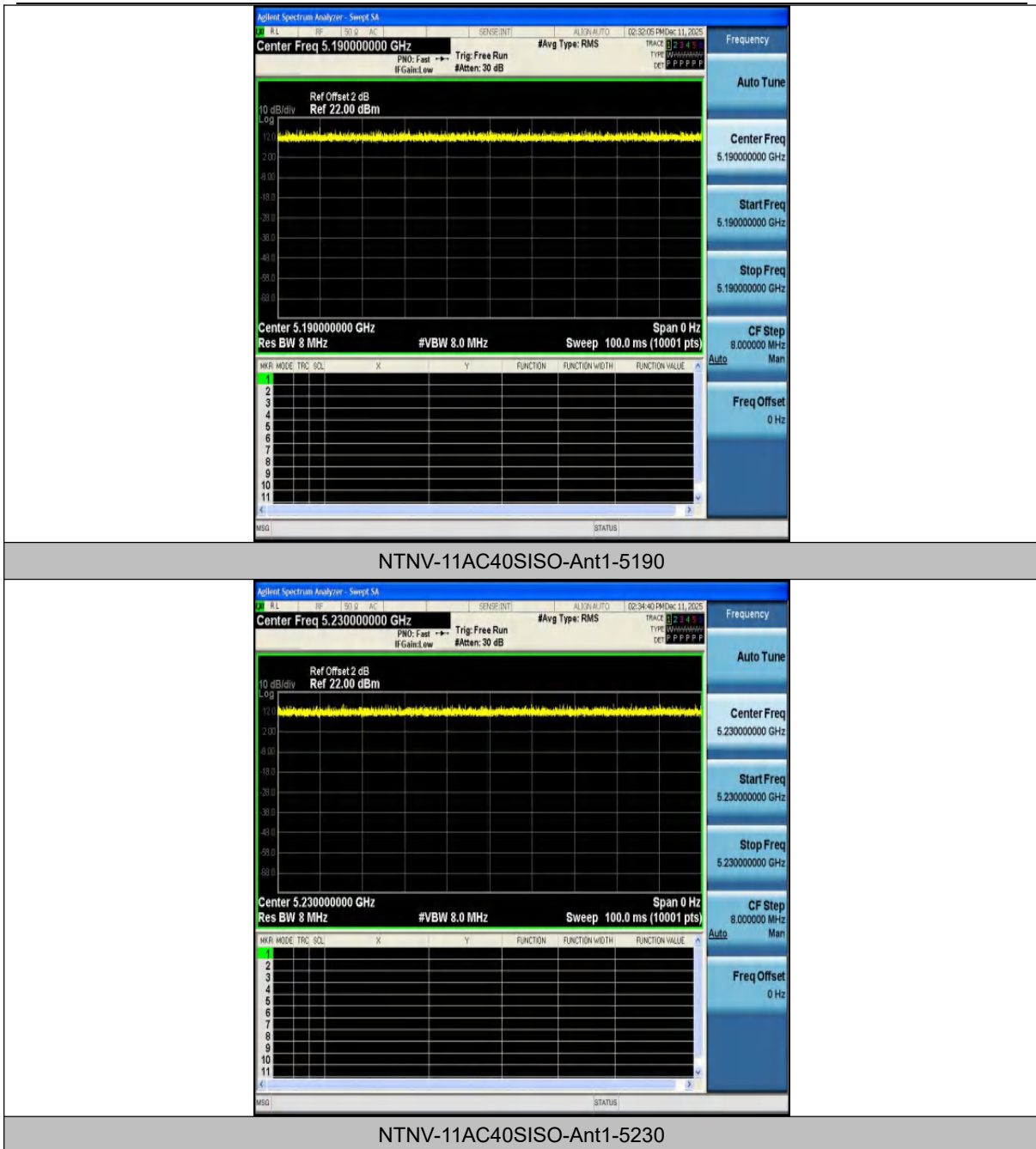
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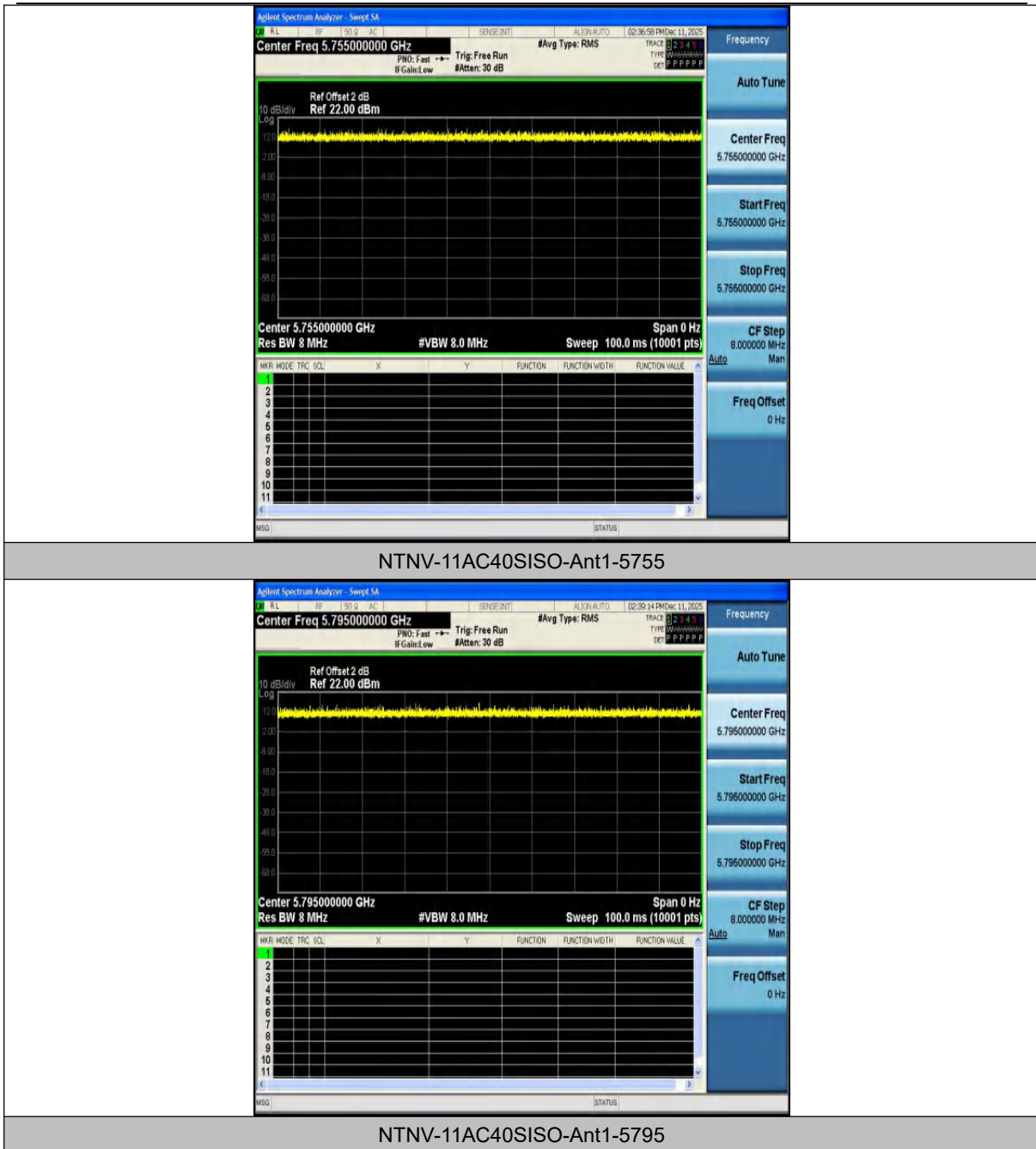
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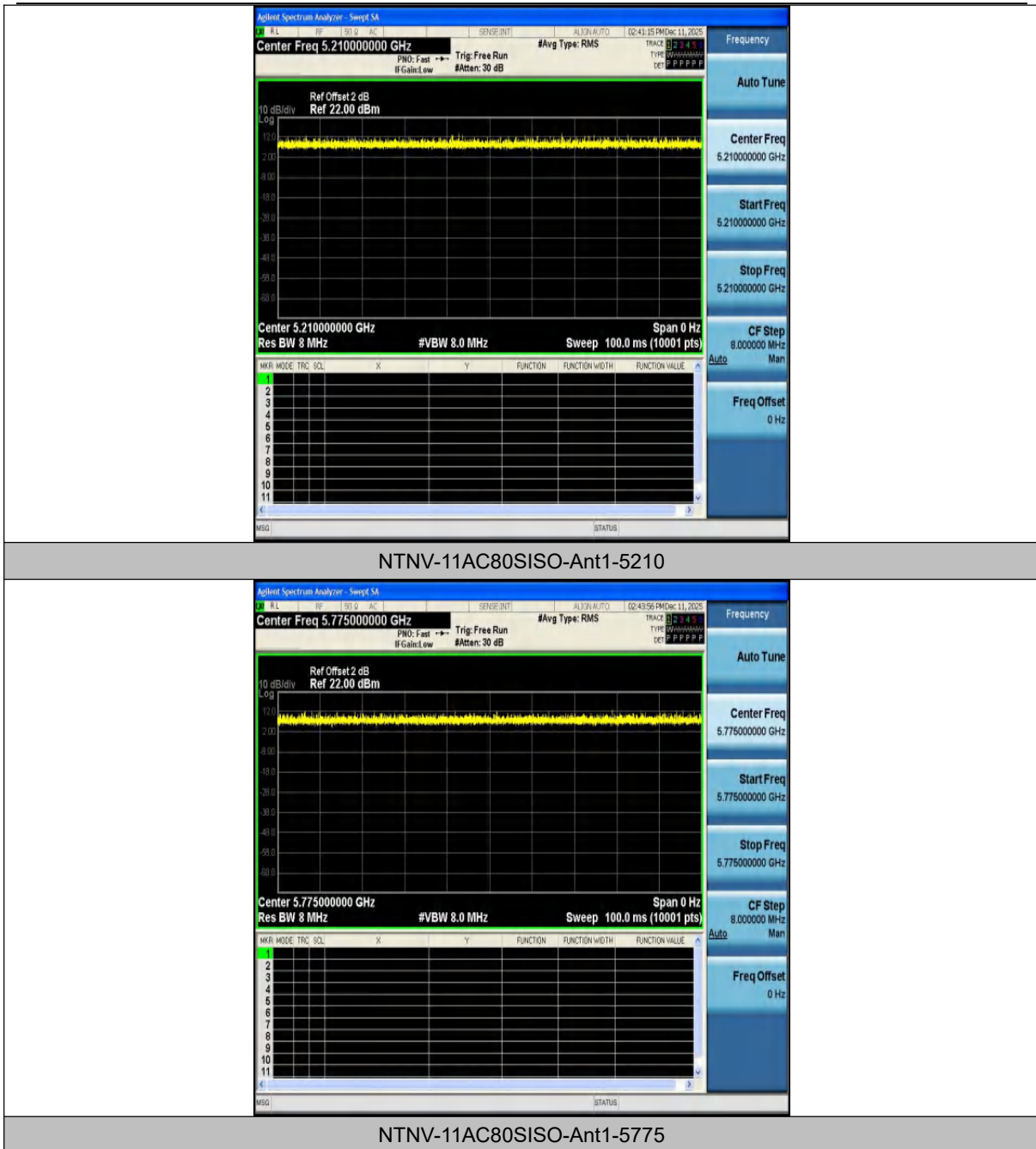
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Appendix C: Maximum Conducted Output Power

Test Result Channel Power

Test Mode	Antenna	Frequency [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	14.38	≤23.40	PASS
11A	Ant1	5220	14.76	≤23.40	PASS
11A	Ant1	5240	14.31	≤23.40	PASS
11A	Ant1	5745	14.88	≤30.00	PASS
11A	Ant1	5785	13.97	≤30.00	PASS
11A	Ant1	5825	14.39	≤30.00	PASS
11N20SISO	Ant1	5180	14.26	≤23.40	PASS
11N20SISO	Ant1	5220	14.64	≤23.40	PASS
11N20SISO	Ant1	5240	14.25	≤23.40	PASS
11N20SISO	Ant1	5745	14.78	≤30.00	PASS
11N20SISO	Ant1	5785	13.79	≤30.00	PASS
11N20SISO	Ant1	5825	14.29	≤30.00	PASS
11N40SISO	Ant1	5190	14.48	≤23.40	PASS
11N40SISO	Ant1	5230	14.47	≤23.40	PASS
11N40SISO	Ant1	5755	14.74	≤30.00	PASS
11N40SISO	Ant1	5795	13.96	≤30.00	PASS
11AC20SISO	Ant1	5180	14.12	≤23.40	PASS
11AC20SISO	Ant1	5220	14.63	≤23.40	PASS
11AC20SISO	Ant1	5240	14.13	≤23.40	PASS
11AC20SISO	Ant1	5745	14.76	≤30.00	PASS
11AC20SISO	Ant1	5785	13.64	≤30.00	PASS
11AC20SISO	Ant1	5825	14.23	≤30.00	PASS
11AC40SISO	Ant1	5190	14.48	≤23.40	PASS
11AC40SISO	Ant1	5230	14.34	≤23.40	PASS
11AC40SISO	Ant1	5755	14.59	≤30.00	PASS
11AC40SISO	Ant1	5795	14.02	≤30.00	PASS
11AC80SISO	Ant1	5210	14.44	≤23.40	PASS
11AC80SISO	Ant1	5775	14.25	≤30.00	PASS

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

2. For 5.2G: As Antenna gain =6.58>6dBi,
so limit=23.98-(6.58-6.00)=23.40dBm.

Test Graphs Channel Power



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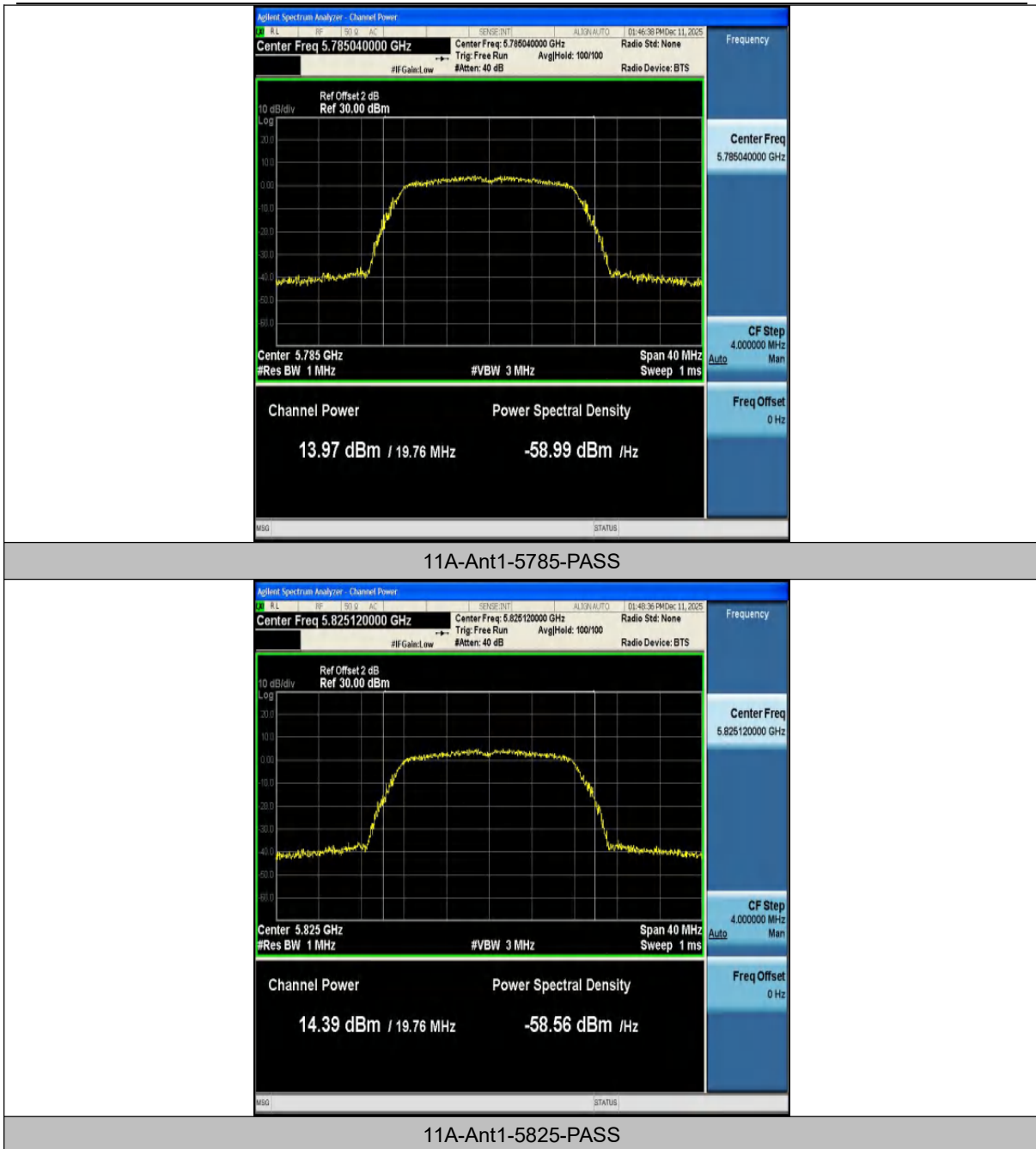
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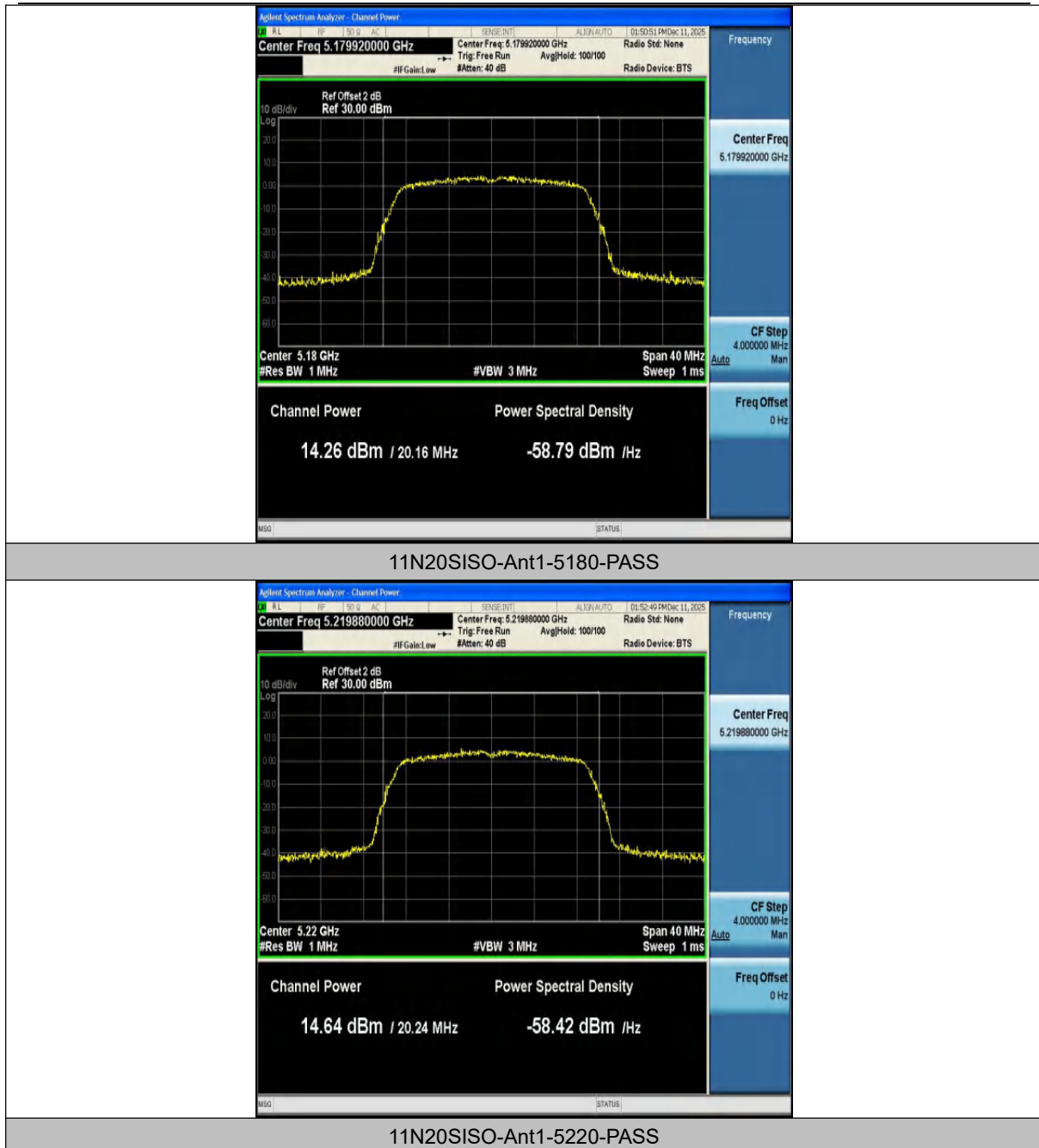
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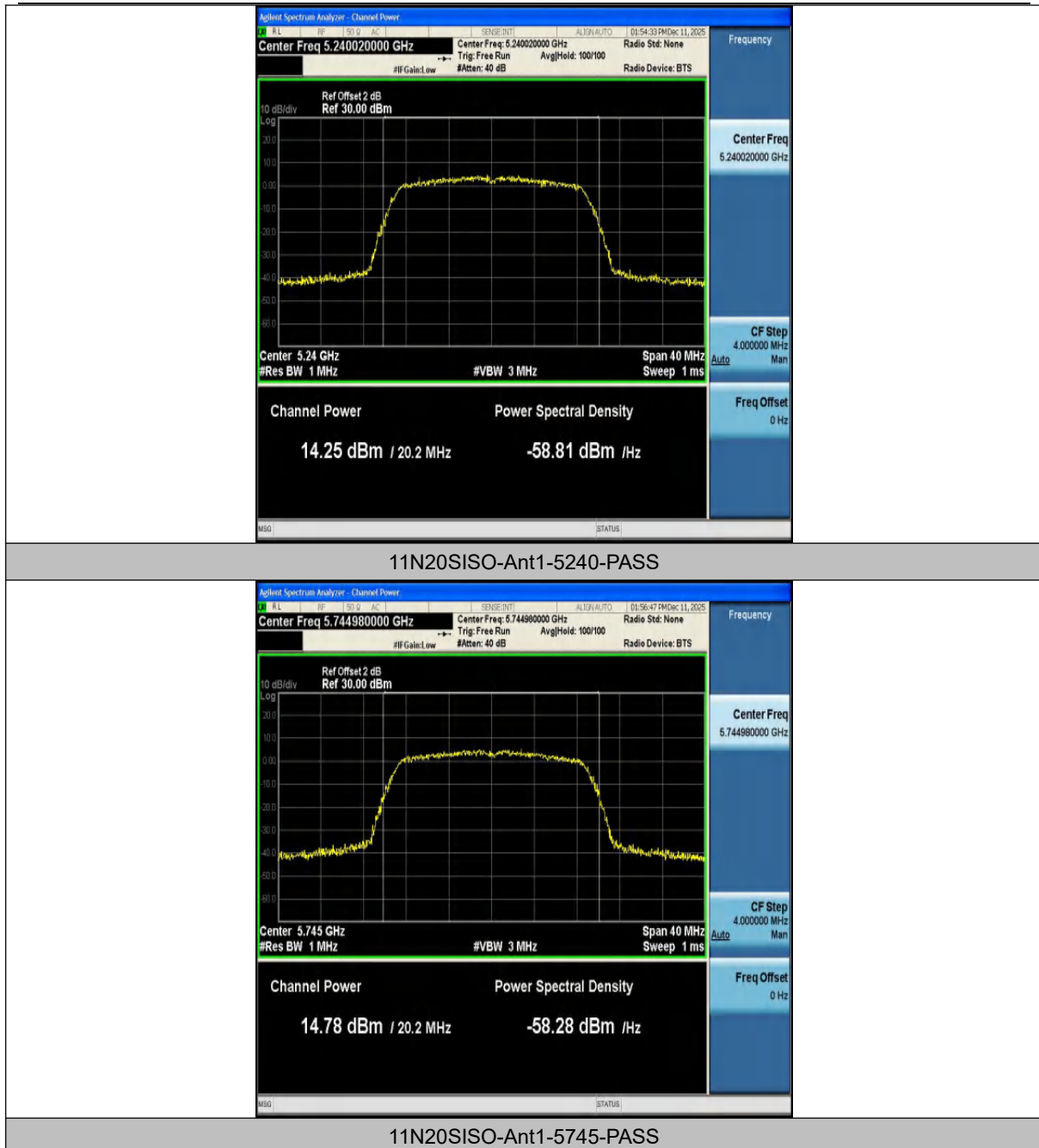
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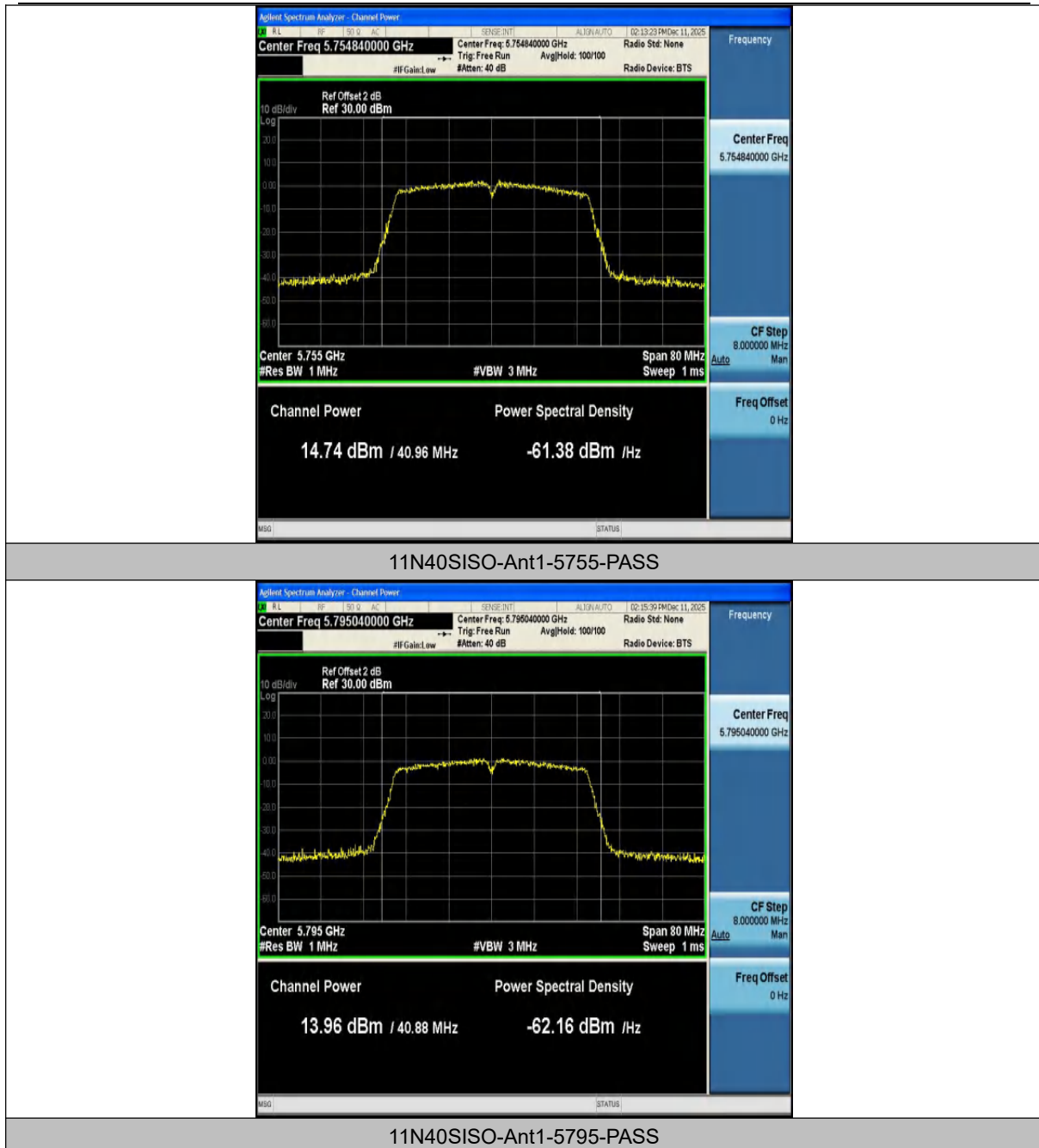
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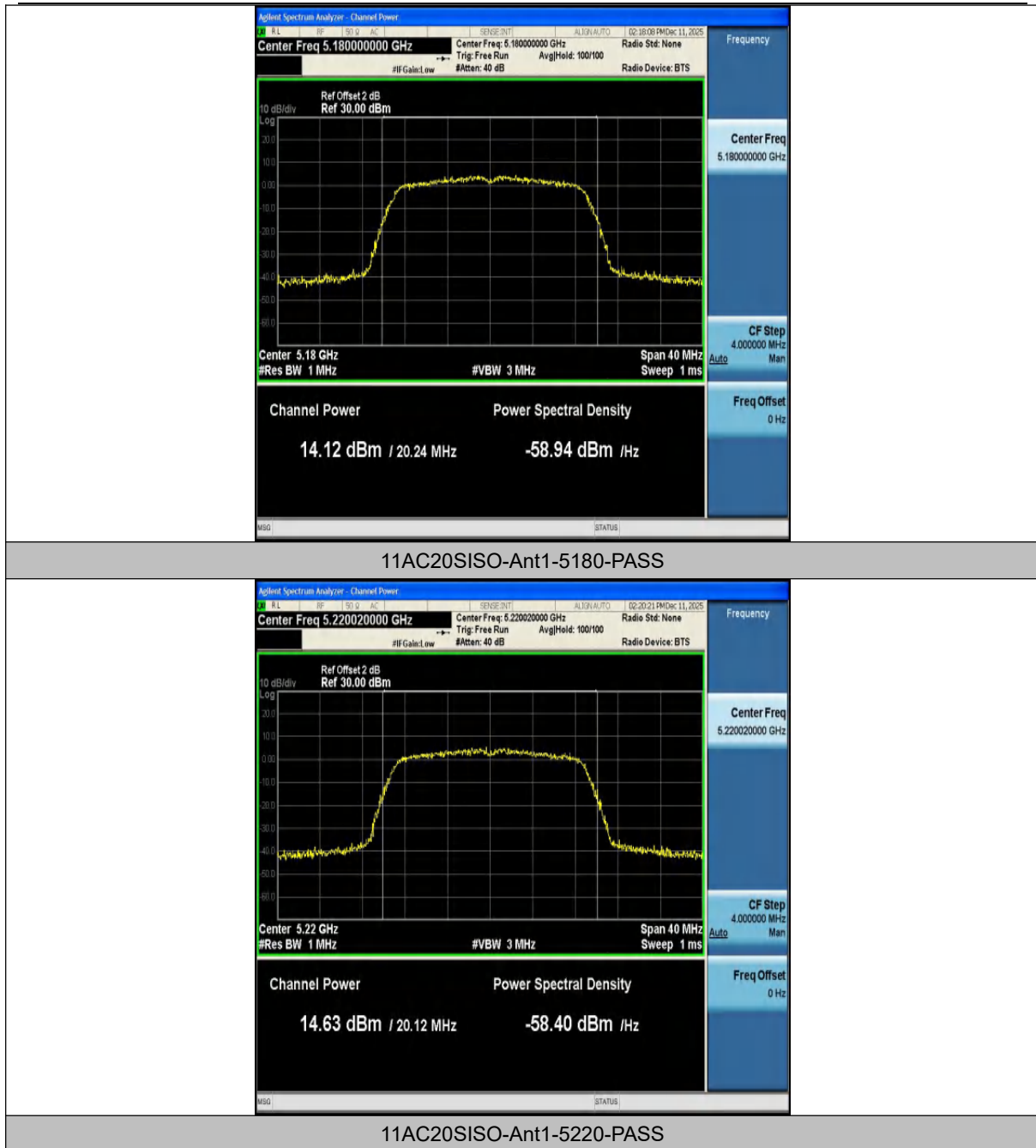
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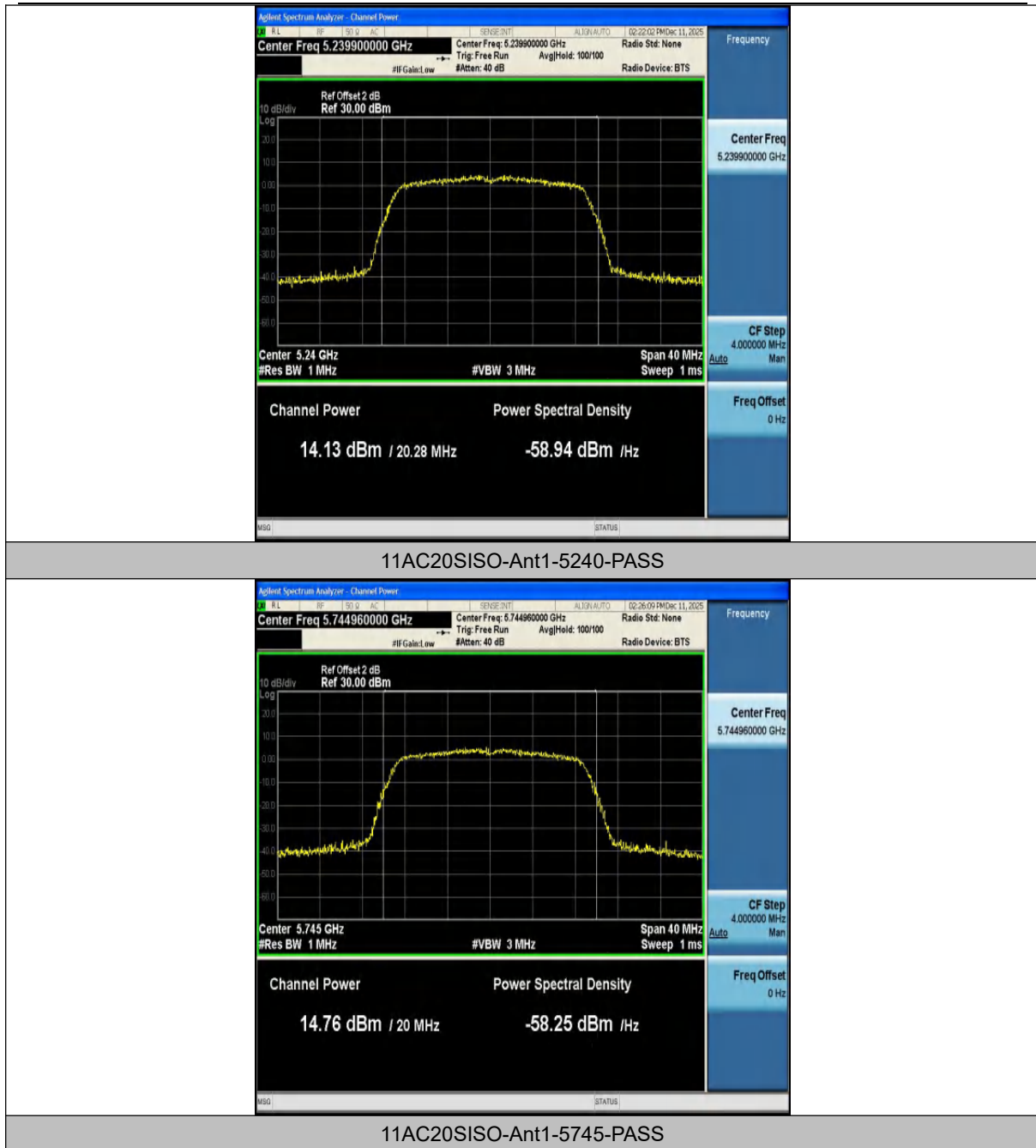
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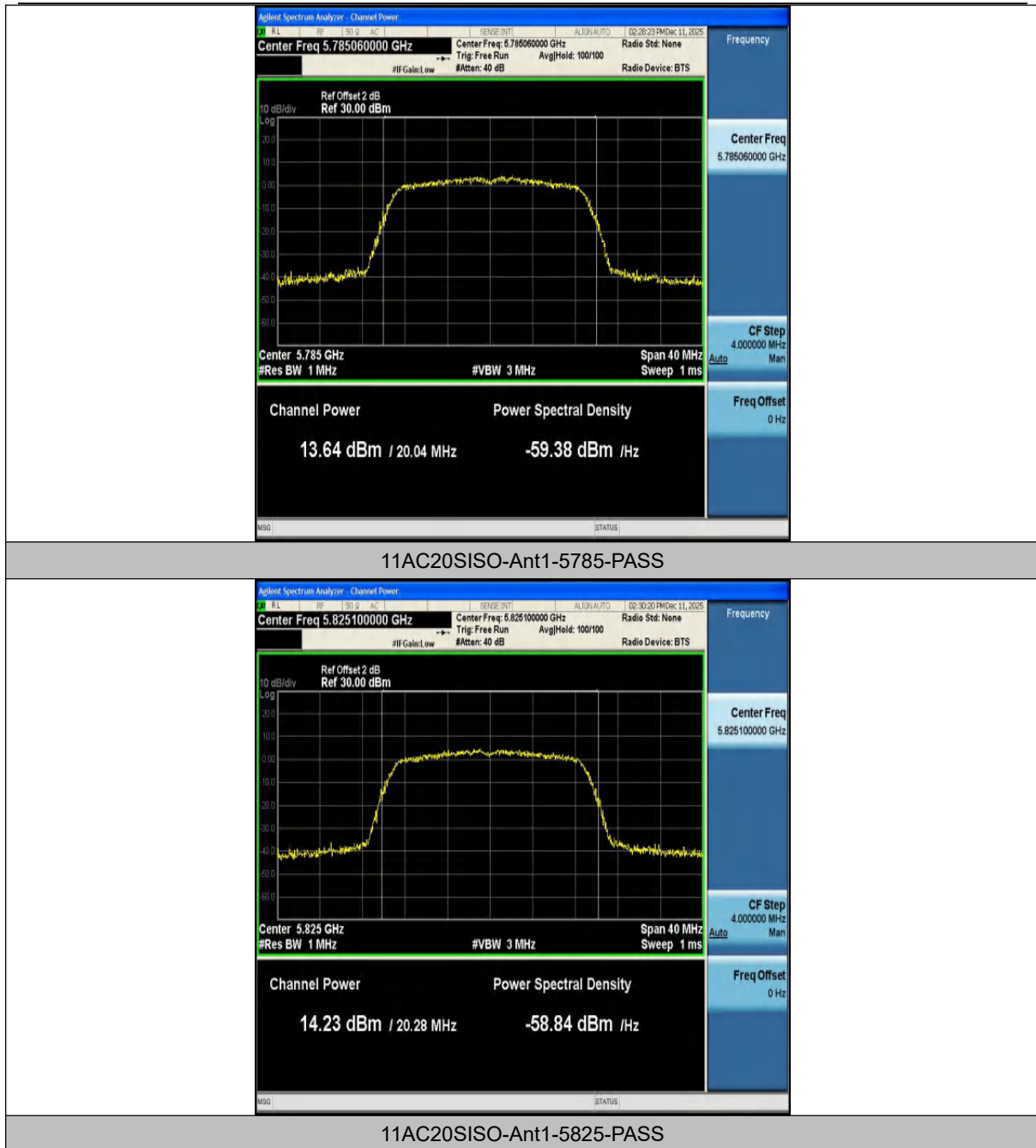
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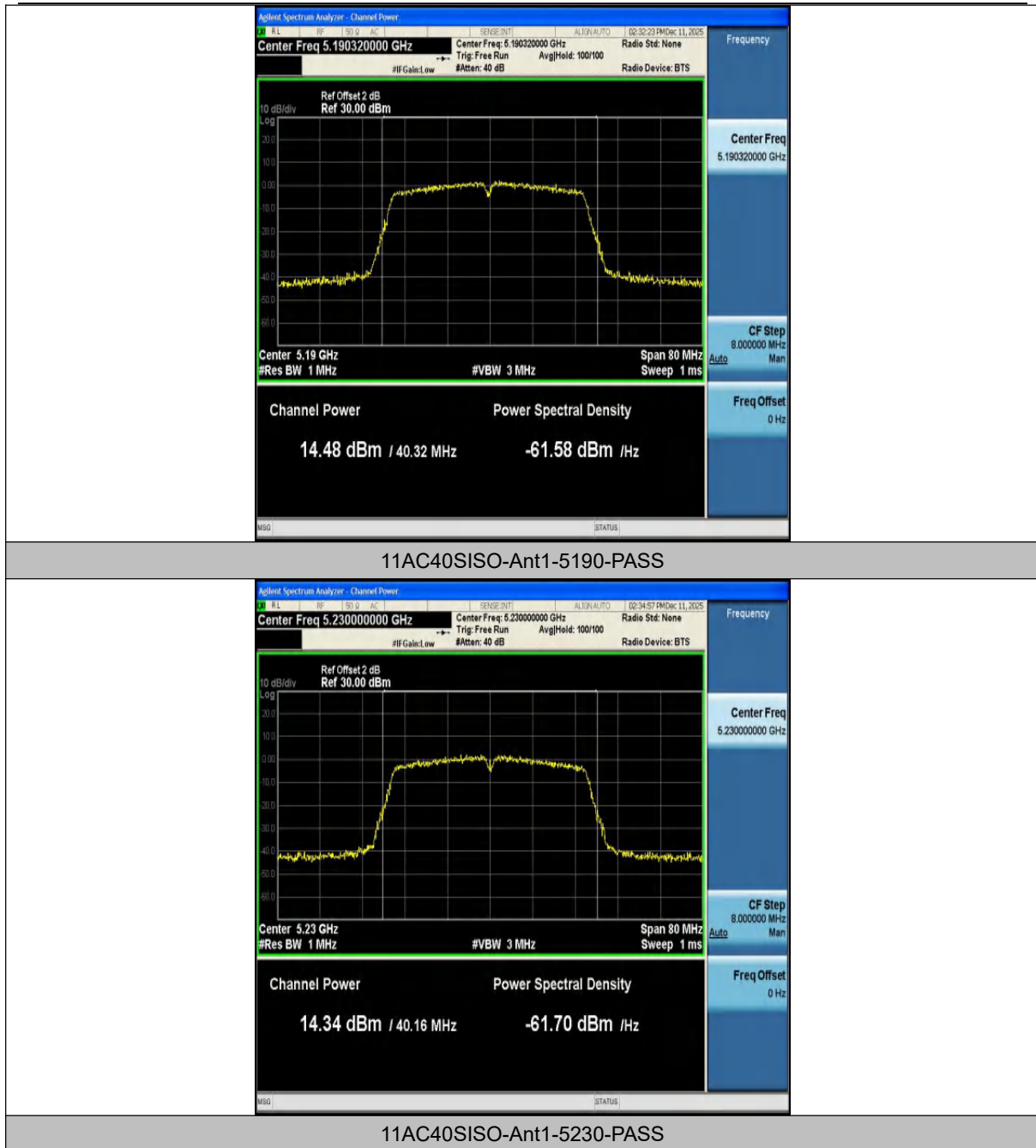
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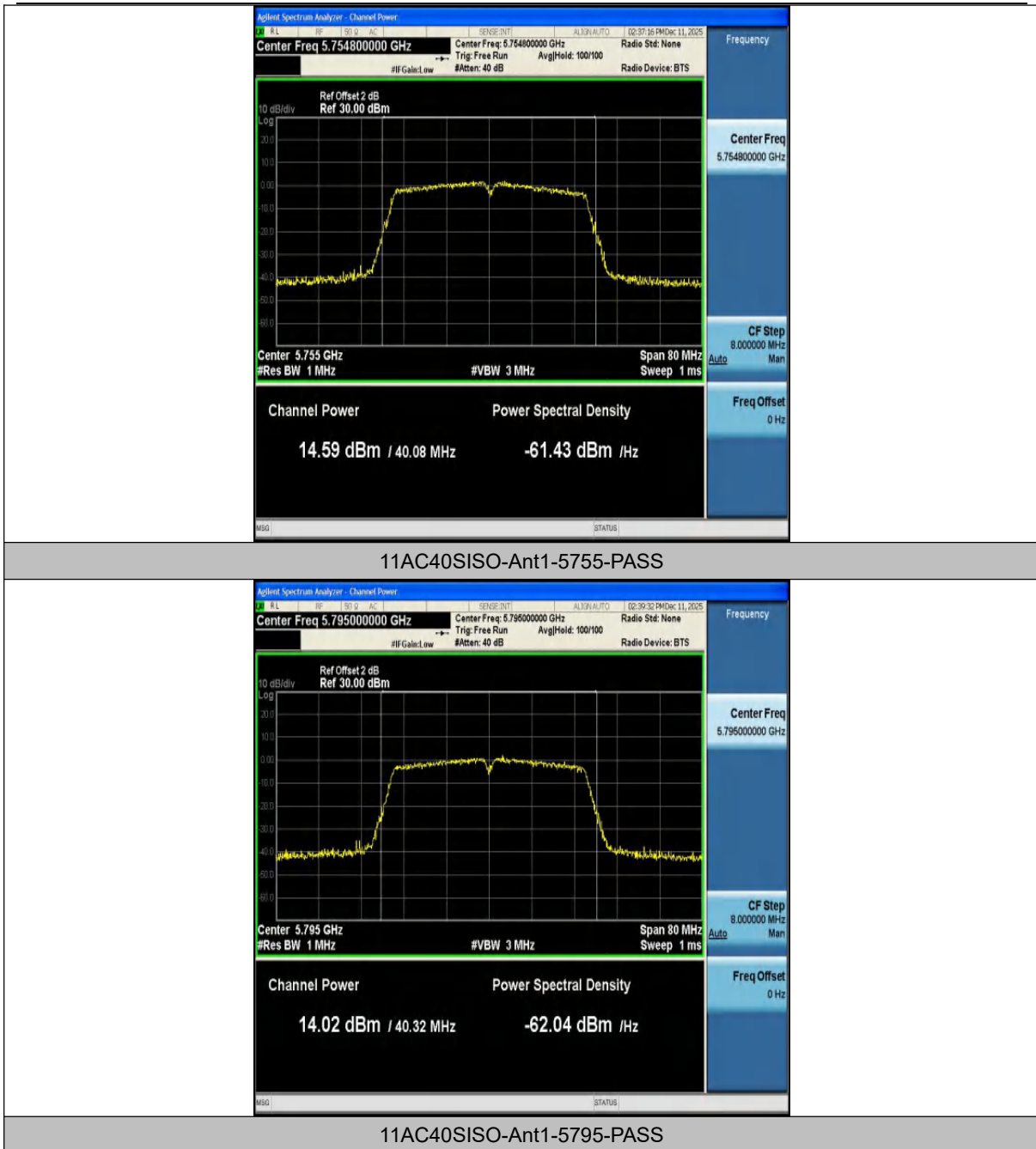
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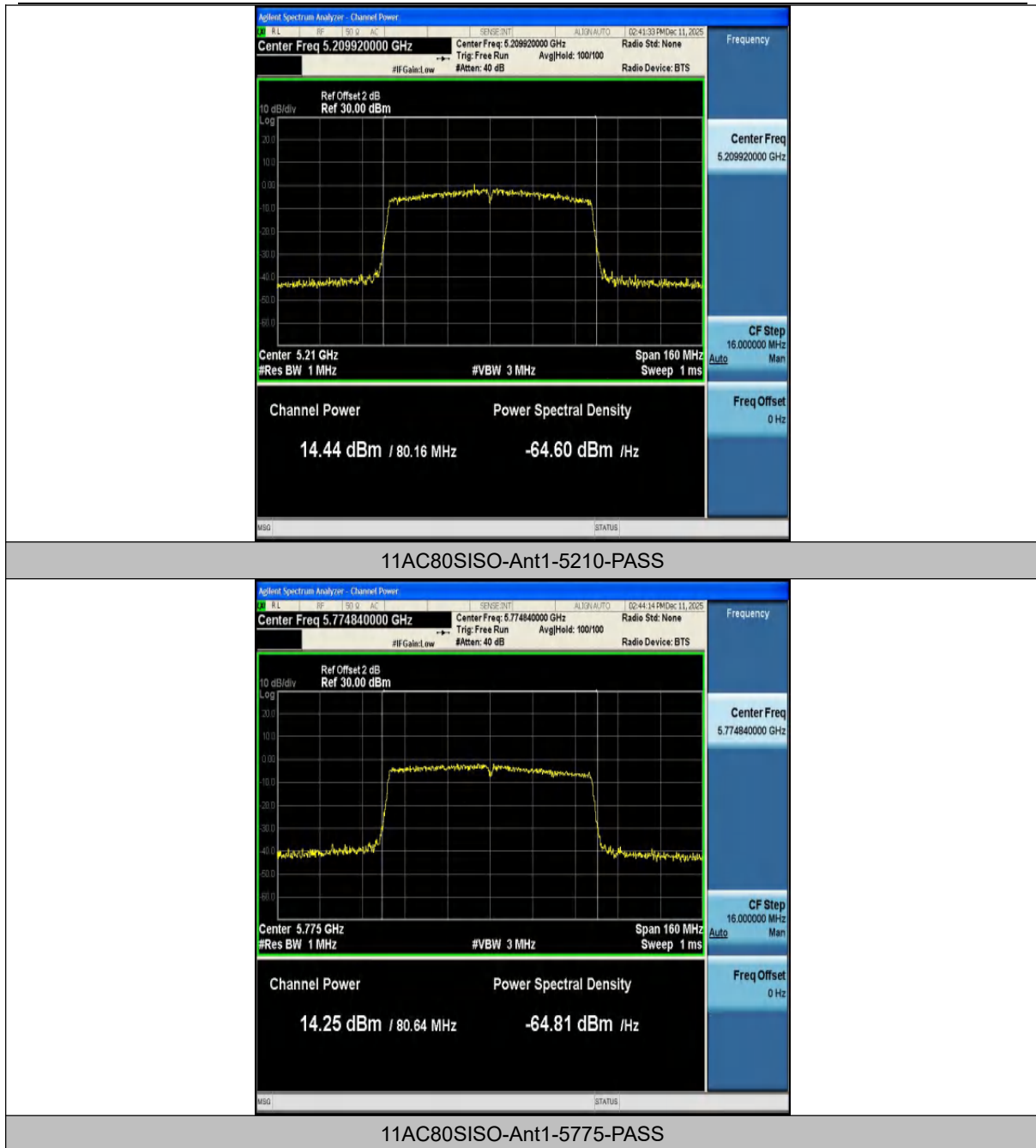
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Appendix D: Maximum Power Spectral Density

Test Result B1

Test Mode	Antenna	Frequency [MHz]	Reading Result [dBm/MHz]	DC Factor [dBm]	Result [dBm]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	-0.20	0.00	-0.20	≤10.42	PASS
11A	Ant1	5220	0.27	0.00	0.27	≤10.42	PASS
11A	Ant1	5240	-0.27	0.00	-0.27	≤10.42	PASS
11N20SISO	Ant1	5180	-0.43	0.00	-0.43	≤10.42	PASS
11N20SISO	Ant1	5220	-0.11	0.00	-0.11	≤10.42	PASS
11N20SISO	Ant1	5240	-0.18	0.00	-0.18	≤10.42	PASS
11N40SISO	Ant1	5190	-3.18	0.00	-3.18	≤10.42	PASS
11N40SISO	Ant1	5230	-3.10	0.00	-3.10	≤10.42	PASS
11AC20SISO	Ant1	5180	-0.58	0.00	-0.58	≤10.42	PASS
11AC20SISO	Ant1	5220	-0.08	0.00	-0.08	≤10.42	PASS
11AC20SISO	Ant1	5240	-0.45	0.00	-0.45	≤10.42	PASS
11AC40SISO	Ant1	5190	-3.28	0.00	-3.28	≤10.42	PASS
11AC40SISO	Ant1	5230	-3.25	0.00	-3.25	≤10.42	PASS
11AC80SISO	Ant1	5210	-6.42	0.00	-6.42	≤10.42	PASS

Note: 1.The Duty Cycle Factor and cable loss are compensated in the graph.

Test Result B4

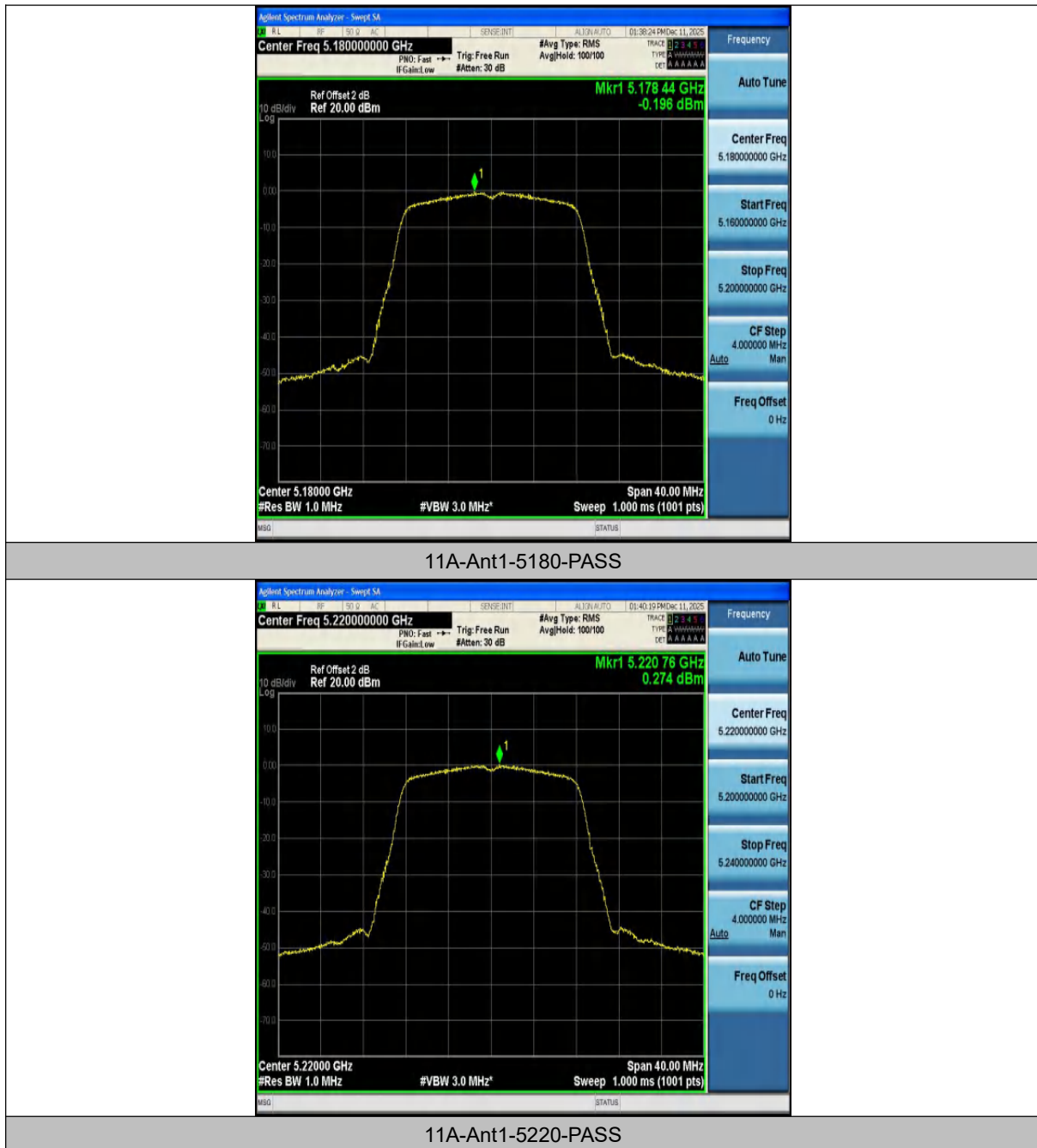
Test Mode	Antenna	Frequency [MHz]	Reading Result [dBm/300 KHz]	DC Factor [dBm]	RB Factor [dBm]	Result [dBm/500 KHz]	Limit [dBm/500 KHz]	Verdict
11A	Ant1	5745	-4.76	0	2.22	-2.54	≤30.00	PASS
11A	Ant1	5785	-5.52	0	2.22	-3.30	≤30.00	PASS
11A	Ant1	5825	-5.27	0	2.22	-3.05	≤30.00	PASS
11N20SISO	Ant1	5745	-4.75	0	2.22	-2.53	≤30.00	PASS
11N20SISO	Ant1	5785	-5.86	0	2.22	-3.64	≤30.00	PASS
11N20SISO	Ant1	5825	-5.53	0	2.22	-3.31	≤30.00	PASS
11N40SISO	Ant1	5755	-7.94	0	2.22	-5.72	≤30.00	PASS
11N40SISO	Ant1	5795	-8.92	0	2.22	-6.70	≤30.00	PASS
11AC20SISO	Ant1	5745	-5.05	0	2.22	-2.83	≤30.00	PASS
11AC20SISO	Ant1	5785	-6.00	0	2.22	-3.78	≤30.00	PASS
11AC20SISO	Ant1	5825	-5.43	0	2.22	-3.21	≤30.00	PASS
11AC40SISO	Ant1	5755	-7.99	0	2.22	-5.77	≤30.00	PASS
11AC40SISO	Ant1	5795	-8.73	0	2.22	-6.51	≤30.00	PASS
11AC80SISO	Ant1	5775	-12.33	0	2.22	-10.11	≤30.00	PASS

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

2. Offset=cable loss(2dB) + RBW Factor (2.22dB)

3. RBW Factor(2.22dB)=10*LOG10(500/1300)

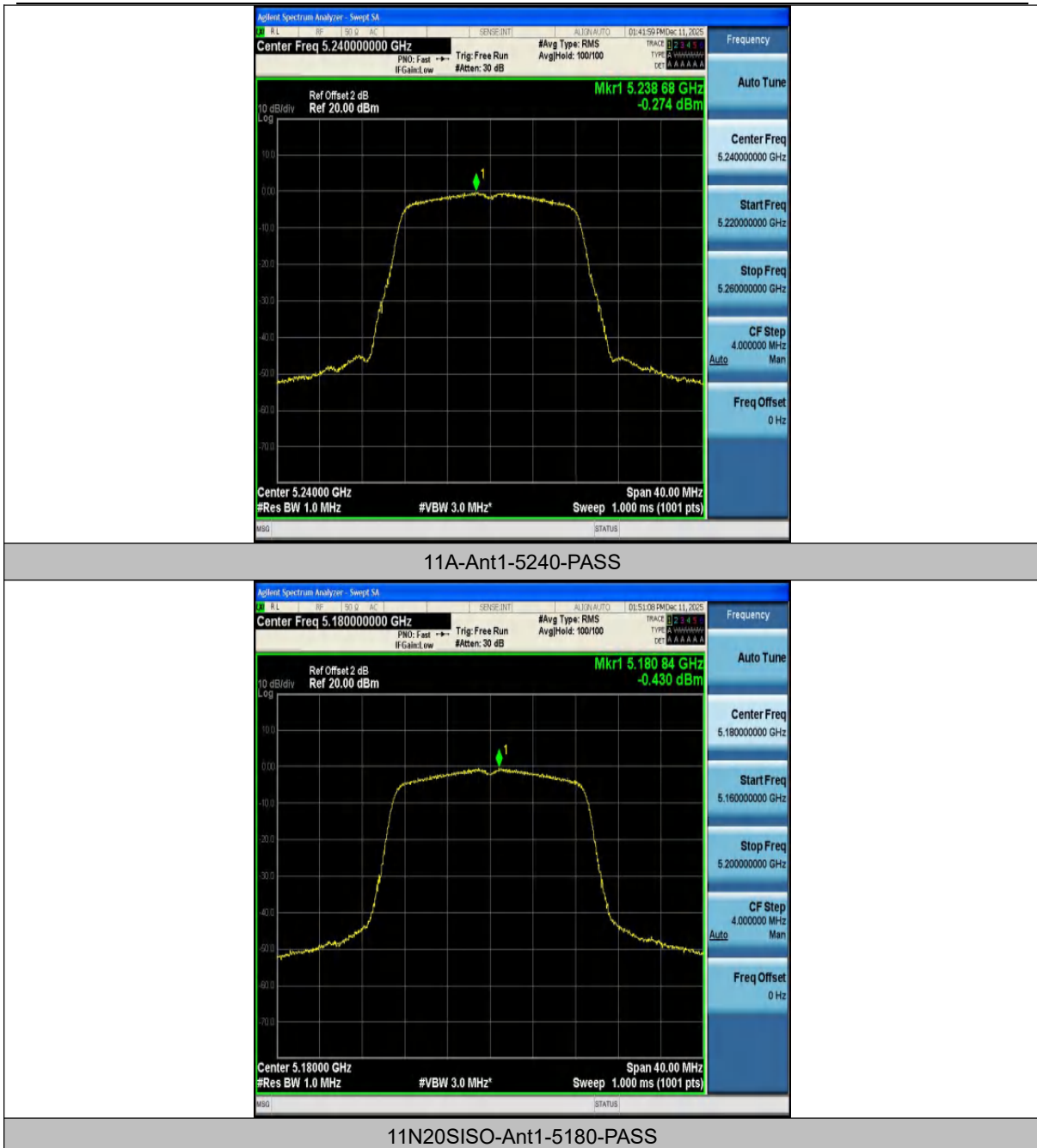
Test Graphs B1



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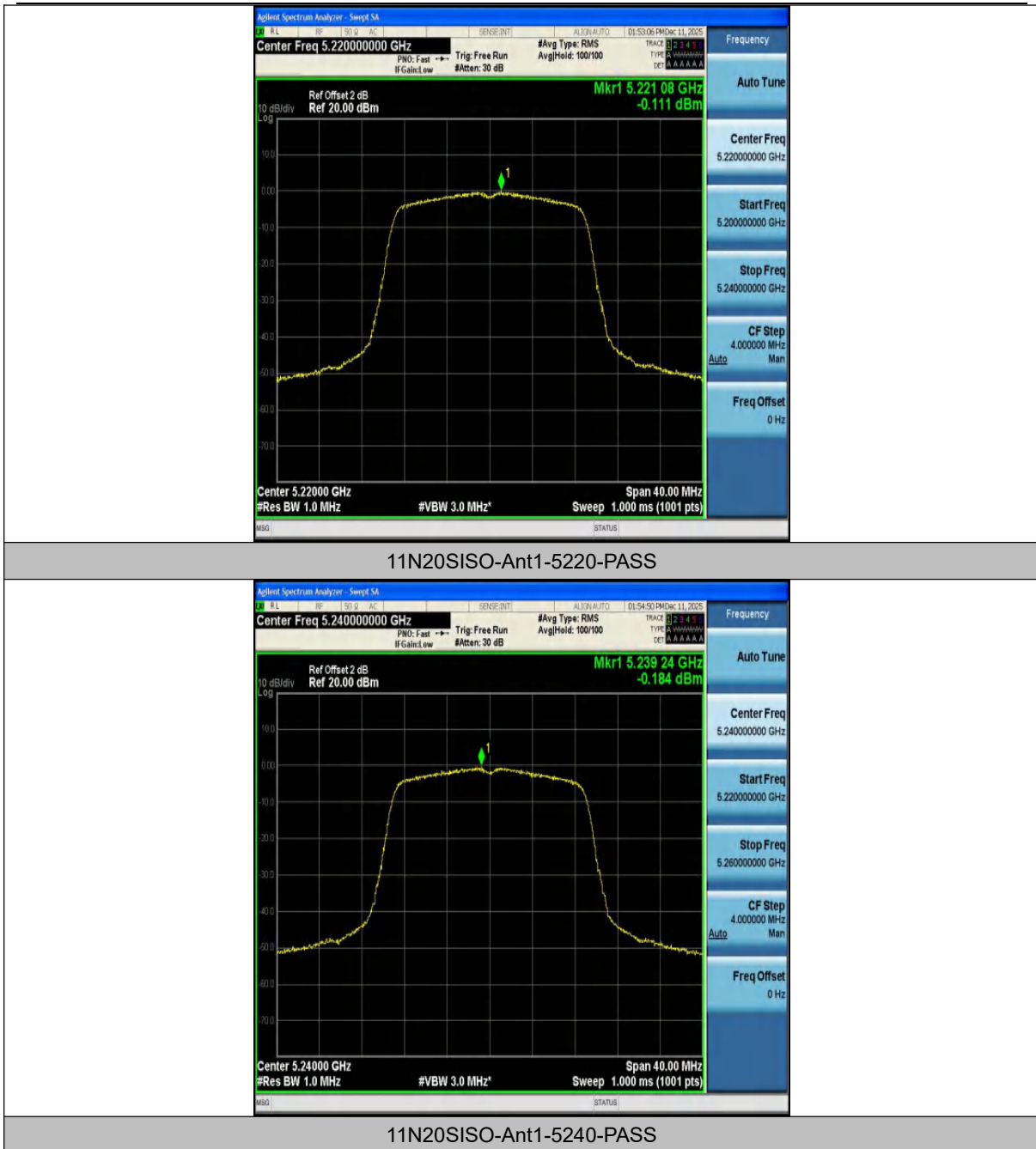
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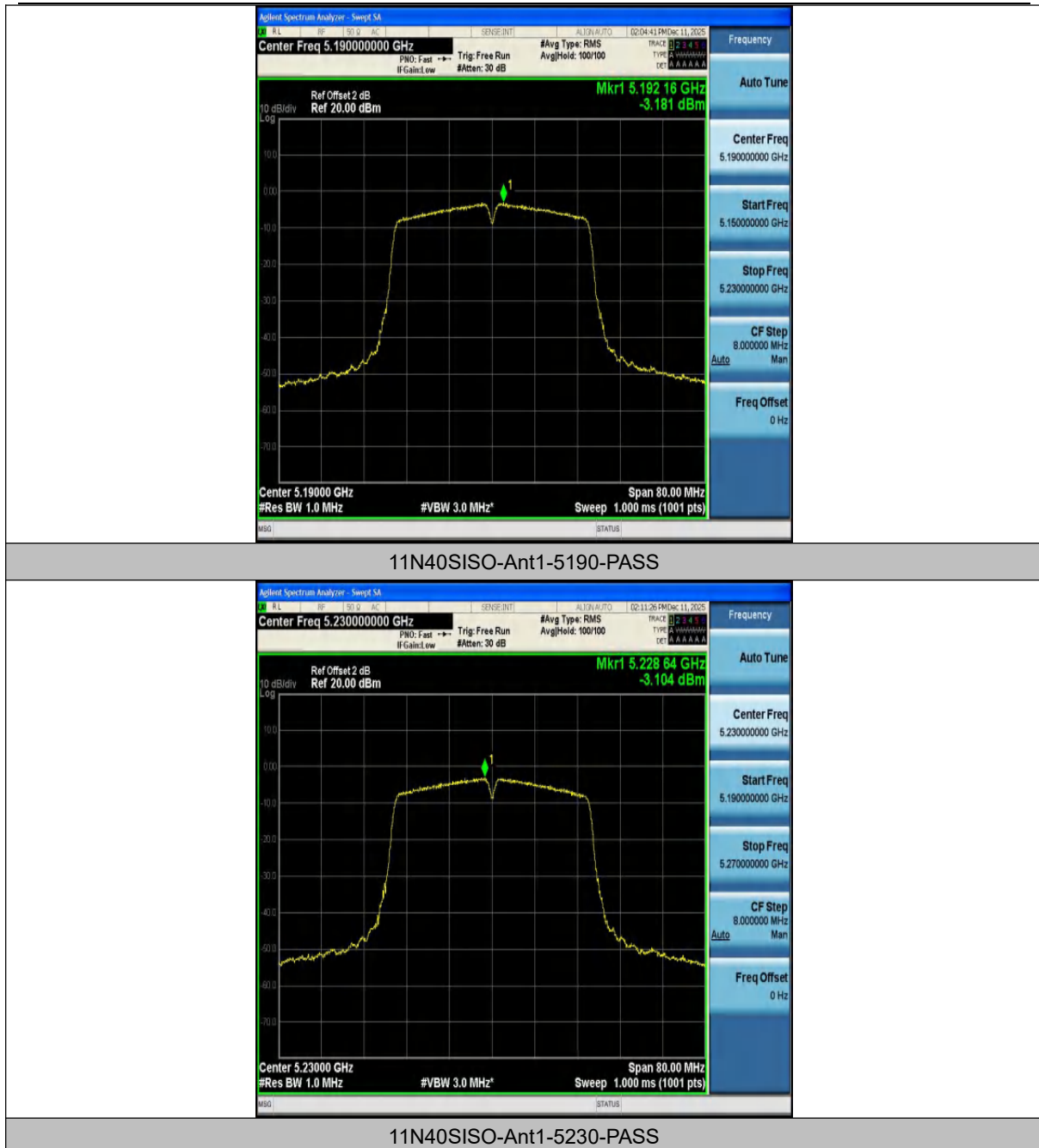
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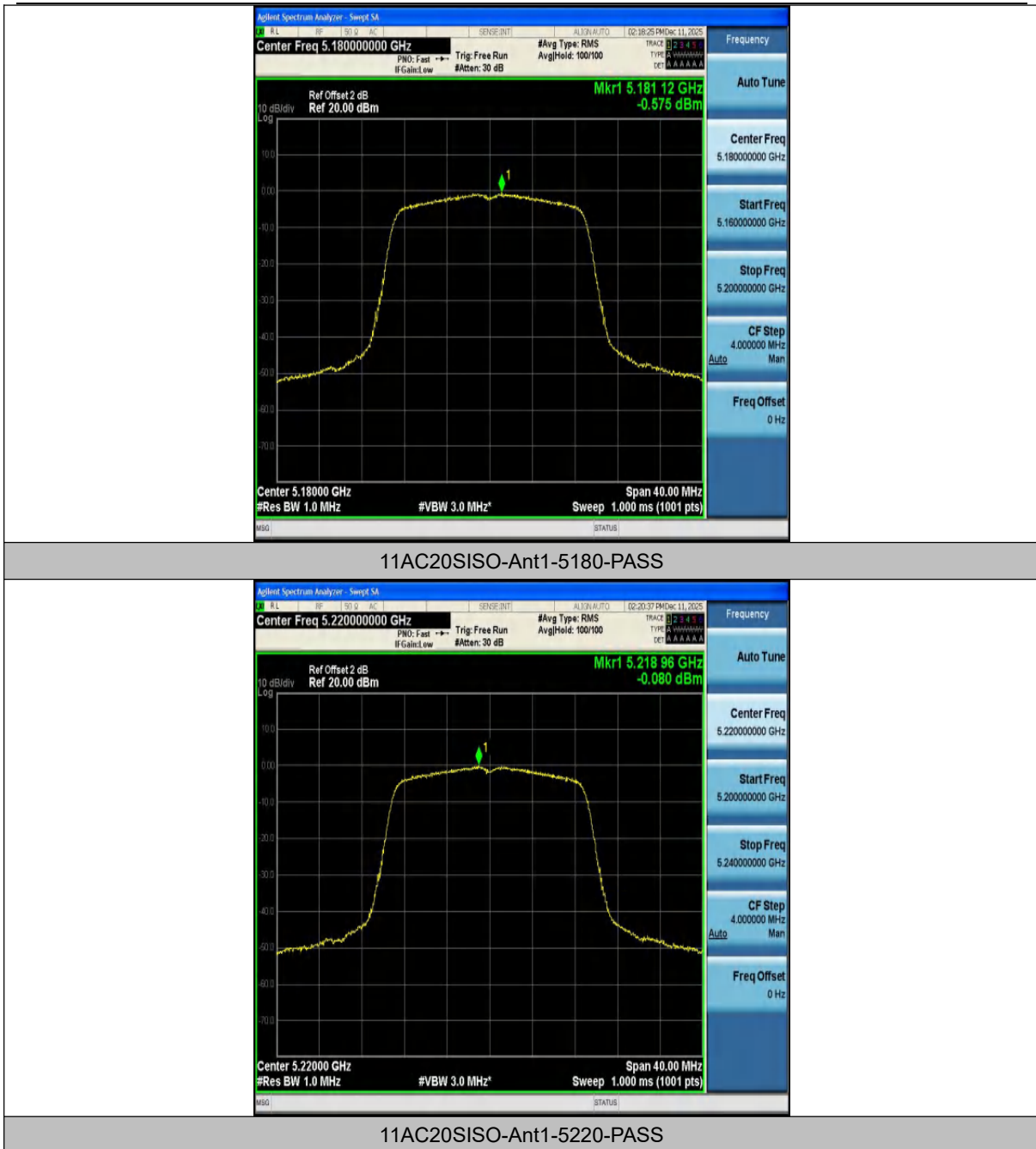
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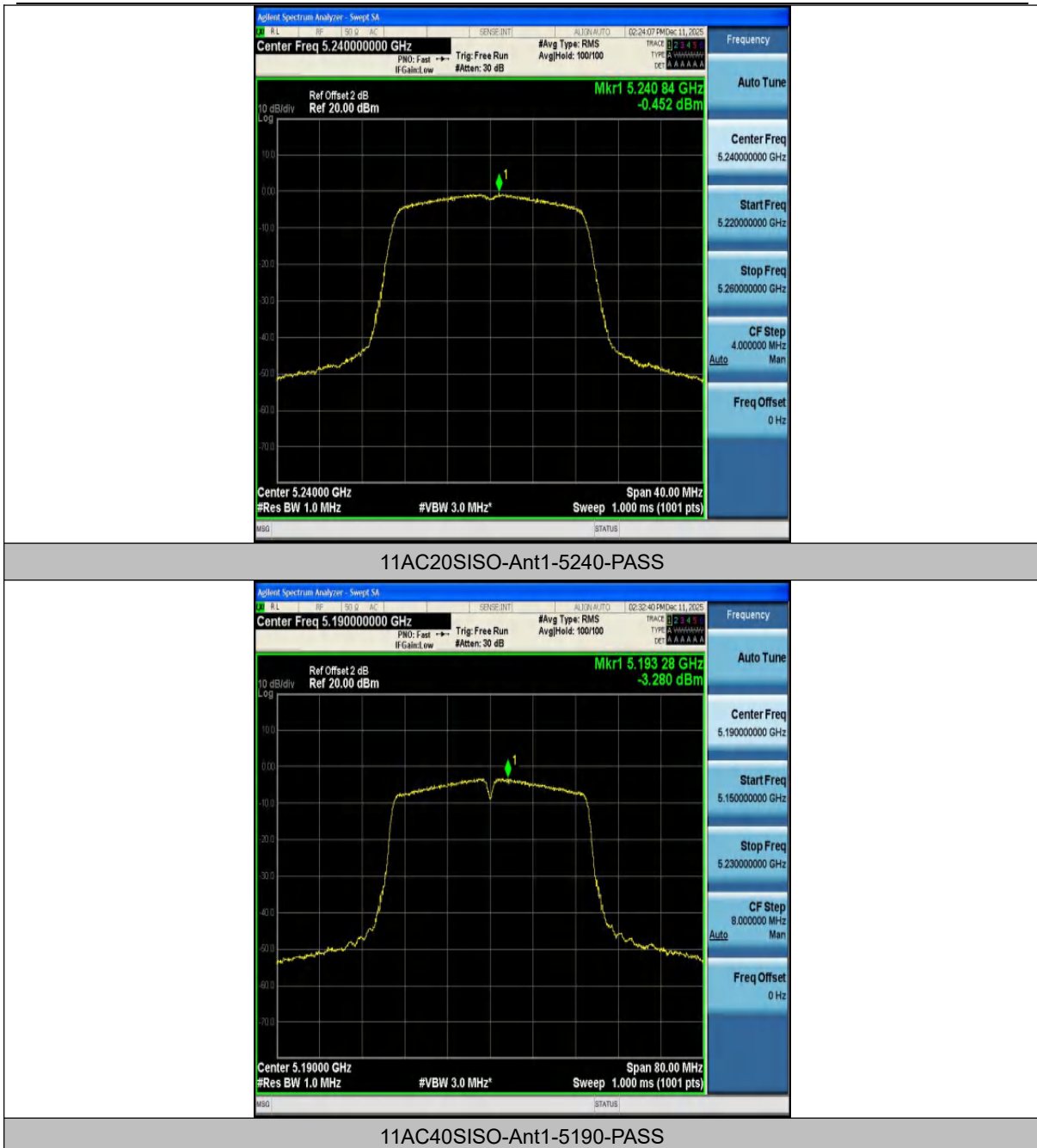
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Test GraphsB4



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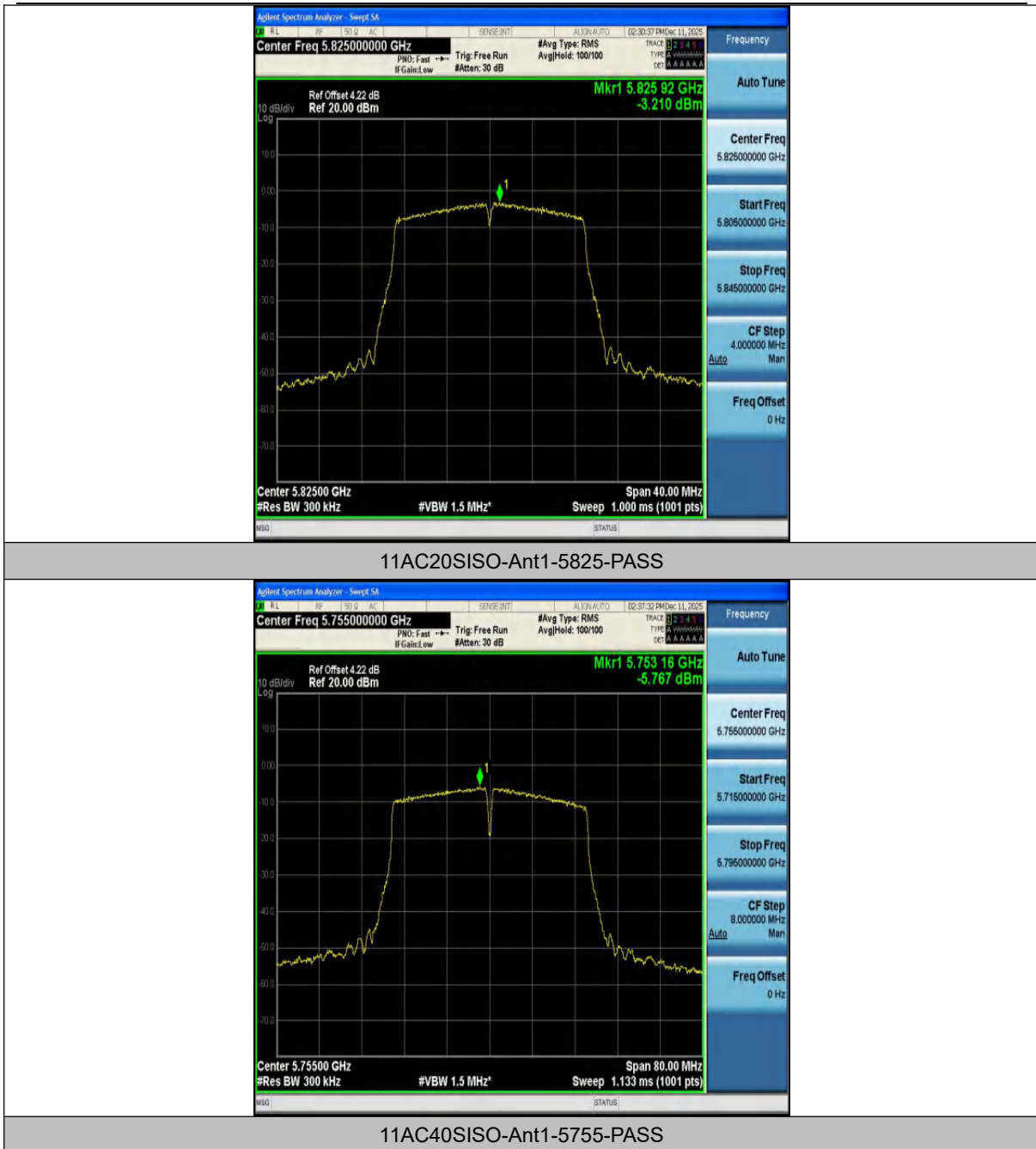
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Appendix E: Band edge measurements

Test Result B1

Test Mode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-39.28	≤-27	PASS
11A	Ant1	High	5240	-41.84	≤-27	PASS
11N20SISO	Ant1	Low	5180	-38.78	≤-27	PASS
11N20SISO	Ant1	High	5240	-41.95	≤-27	PASS
11N40SISO	Ant1	Low	5190	-37.57	≤-27	PASS
11N40SISO	Ant1	High	5230	-42.25	≤-27	PASS
11AC20SISO	Ant1	Low	5180	-39.05	≤-27	PASS
11AC20SISO	Ant1	High	5240	-41.81	≤-27	PASS
11AC40SISO	Ant1	Low	5190	-37.3	≤-27	PASS
11AC40SISO	Ant1	High	5230	-42.48	≤-27	PASS
11AC80SISO	Ant1	Low	5210	-35.97	≤-27	PASS
11AC80SISO	Ant1	High	5210	-42.08	≤-27	PASS

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

Test Result B4

Test Mode	Antenna	Ch. Name	Frequency [MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5720~5725	-37.9	≤16.08	PASS
11A	Ant1	Low	5745	5700~5720	-40.87	≤10.09	PASS
11A	Ant1	Low	5745	5650~5700	-41.46	≤-26.96	PASS
11A	Ant1	Low	5745	5760~5650	-39.61	≤-27	PASS
11A	Ant1	High	5825	5850~5855	-37.89	≤16.96	PASS
11A	Ant1	High	5825	5855~5875	-39.74	≤10.40	PASS
11A	Ant1	High	5825	5875~5925	-41.76	≤-26.21	PASS
11A	Ant1	High	5825	5925~5935	-41.52	≤-27	PASS
11N20SISO	Ant1	Low	5745	5720~5725	-38.56	≤15.82	PASS
11N20SISO	Ant1	Low	5745	5700~5720	-41.27	≤10.15	PASS
11N20SISO	Ant1	Low	5745	5650~5700	-42.46	≤-26.62	PASS
11N20SISO	Ant1	Low	5745	5760~5650	-40.74	≤-27	PASS
11N20SISO	Ant1	High	5825	5850~5855	-38.66	≤16.03	PASS
11N20SISO	Ant1	High	5825	5855~5875	-41.03	≤10.44	PASS
11N20SISO	Ant1	High	5825	5875~5925	-41.64	≤-26.21	PASS
11N20SISO	Ant1	High	5825	5925~5935	-41.14	≤-27	PASS
11N40SISO	Ant1	Low	5755	5720~5725	-33.64	≤16.35	PASS
11N40SISO	Ant1	Low	5755	5700~5720	-36.37	≤12.86	PASS
11N40SISO	Ant1	Low	5755	5650~5700	-40.76	≤-26.60	PASS
11N40SISO	Ant1	Low	5755	5780~5650	-41.14	≤-27	PASS

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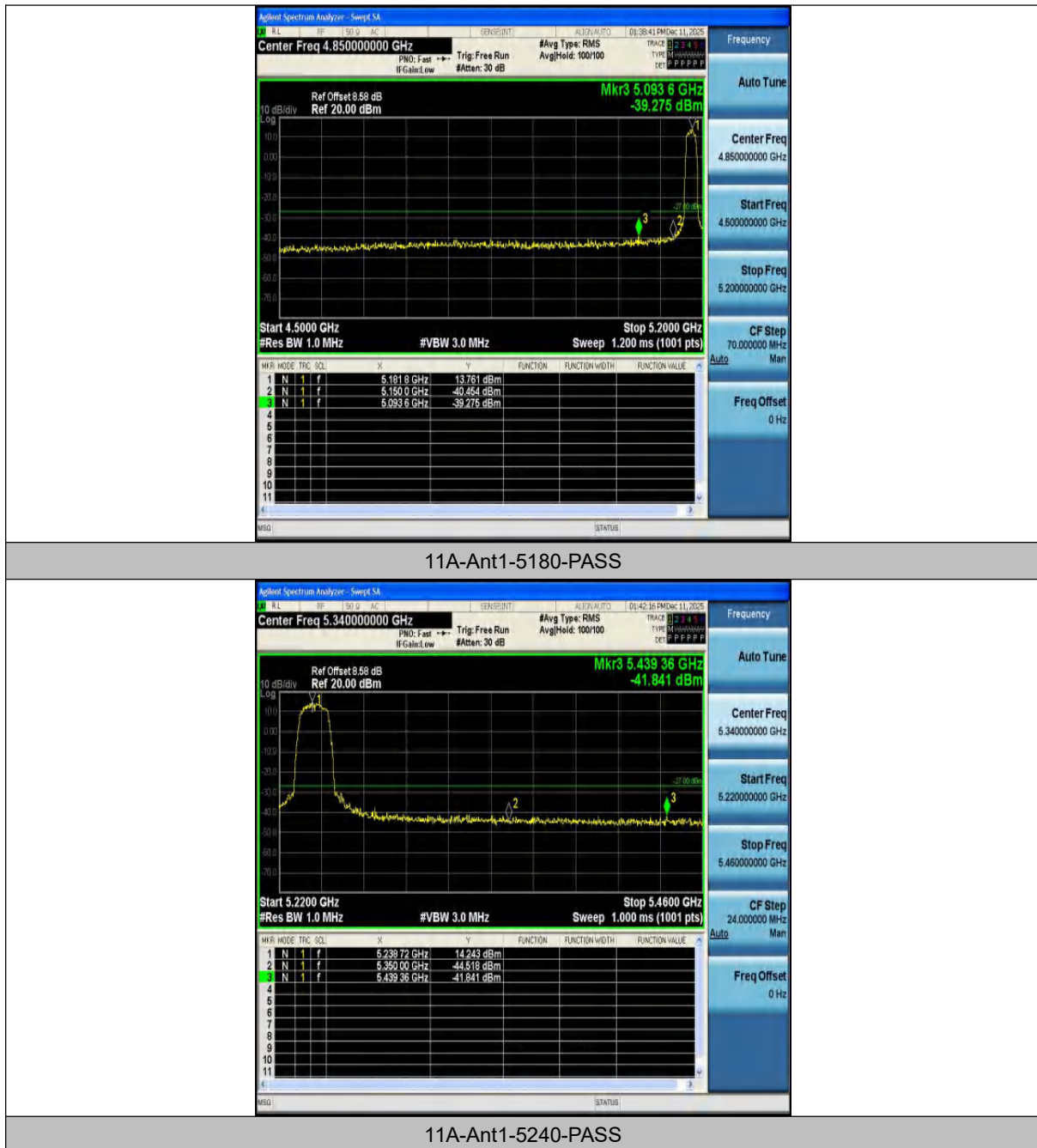
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11N40SISO	Ant1	High	5795	5850~5855	-41.47	≤15.66	PASS
11N40SISO	Ant1	High	5795	5855~5875	-41.43	≤10.02	PASS
11N40SISO	Ant1	High	5795	5875~5925	-43.14	≤-26.34	PASS
11N40SISO	Ant1	High	5795	5925~5935	-42.3	≤-27	PASS
11AC20SISO	Ant1	Low	5745	5720~5725	-36.78	≤16.08	PASS
11AC20SISO	Ant1	Low	5745	5700~5720	-39.73	≤11.15	PASS
11AC20SISO	Ant1	Low	5745	5650~5700	-42.07	≤-26.96	PASS
11AC20SISO	Ant1	Low	5745	5760~5650	-41.59	≤-27	PASS
11AC20SISO	Ant1	High	5825	5850~5855	-39.95	≤16.03	PASS
11AC20SISO	Ant1	High	5825	5855~5875	-39.32	≤11.57	PASS
11AC20SISO	Ant1	High	5825	5875~5925	-42.5	≤-25.91	PASS
11AC20SISO	Ant1	High	5825	5925~5935	-40.84	≤-27	PASS
11AC40SISO	Ant1	Low	5755	5720~5725	-35.92	≤15.74	PASS
11AC40SISO	Ant1	Low	5755	5700~5720	-36.24	≤11.87	PASS
11AC40SISO	Ant1	Low	5755	5650~5700	-40.81	≤-25.61	PASS
11AC40SISO	Ant1	Low	5755	5780~5650	-39.88	≤-27	PASS
11AC40SISO	Ant1	High	5795	5850~5855	-40.64	≤15.66	PASS
11AC40SISO	Ant1	High	5795	5855~5875	-41.31	≤10.16	PASS
11AC40SISO	Ant1	High	5795	5875~5925	-42.59	≤-26.59	PASS
11AC40SISO	Ant1	High	5795	5925~5935	-41.3	≤-27	PASS
11AC80SISO	Ant1	Low	5775	5720~5725	-33.71	≤15.65	PASS
11AC80SISO	Ant1	Low	5775	5700~5720	-30.9	≤12.22	PASS
11AC80SISO	Ant1	Low	5775	5650~5700	-40.38	≤-26.00	PASS
11AC80SISO	Ant1	Low	5775	5800~5650	-41.09	≤-27	PASS
11AC80SISO	Ant1	High	5775	5850~5855	-37.02	≤16.68	PASS
11AC80SISO	Ant1	High	5775	5855~5875	-38.98	≤11.49	PASS
11AC80SISO	Ant1	High	5775	5875~5925	-42.57	≤-26.87	PASS
11AC80SISO	Ant1	High	5775	5925~5935	-41.98	≤-27	PASS

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

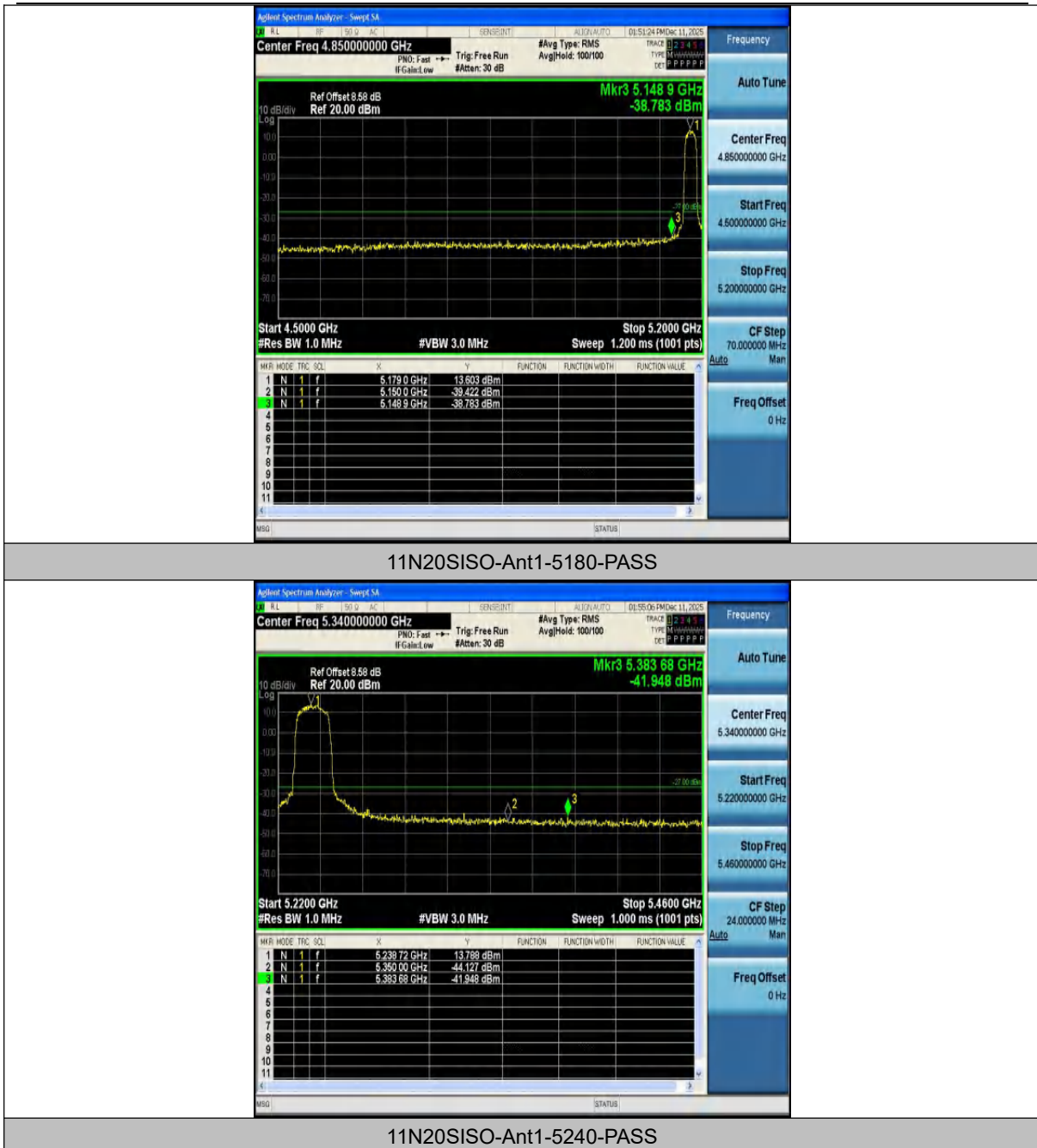
Test Graphs B1

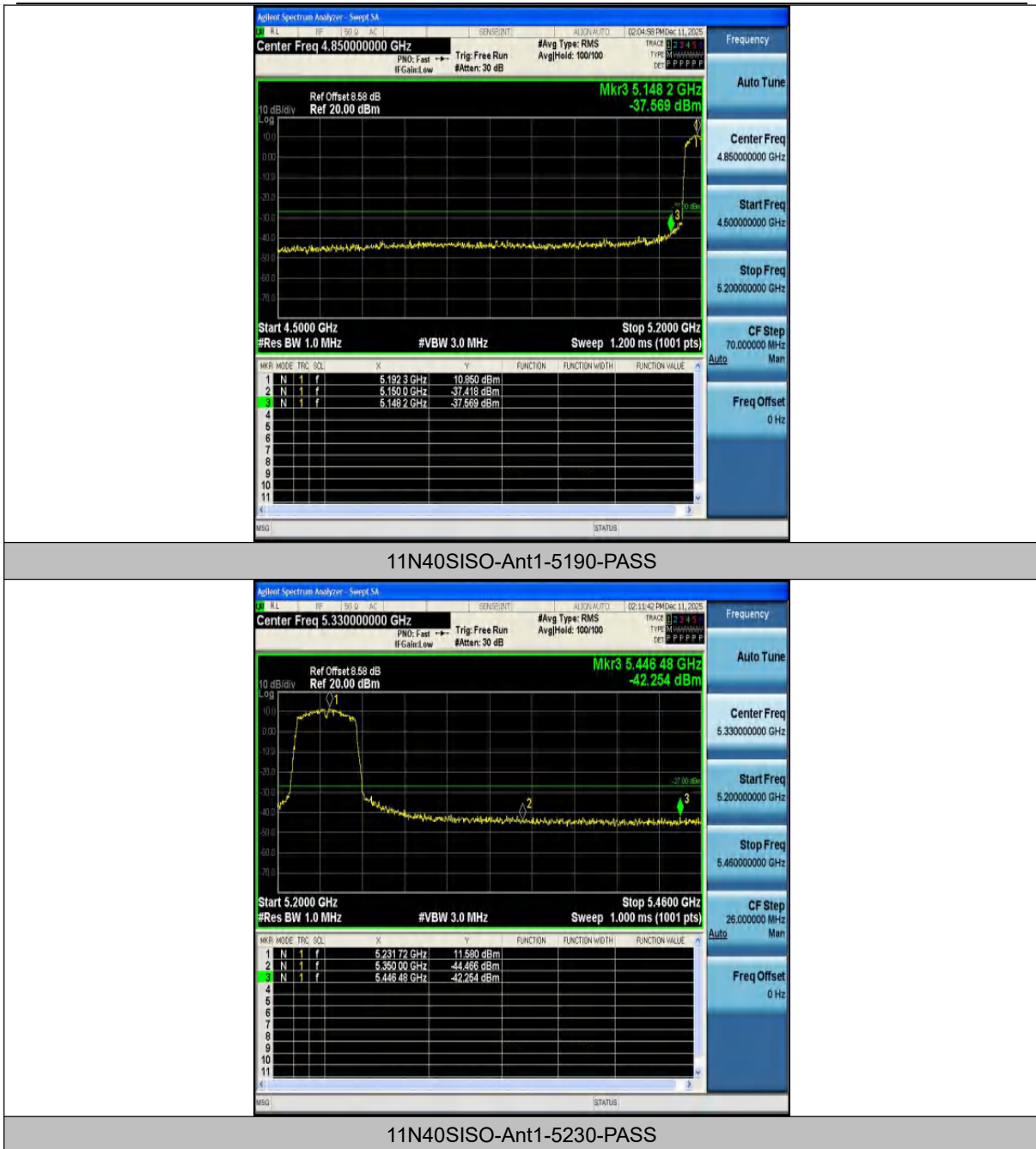


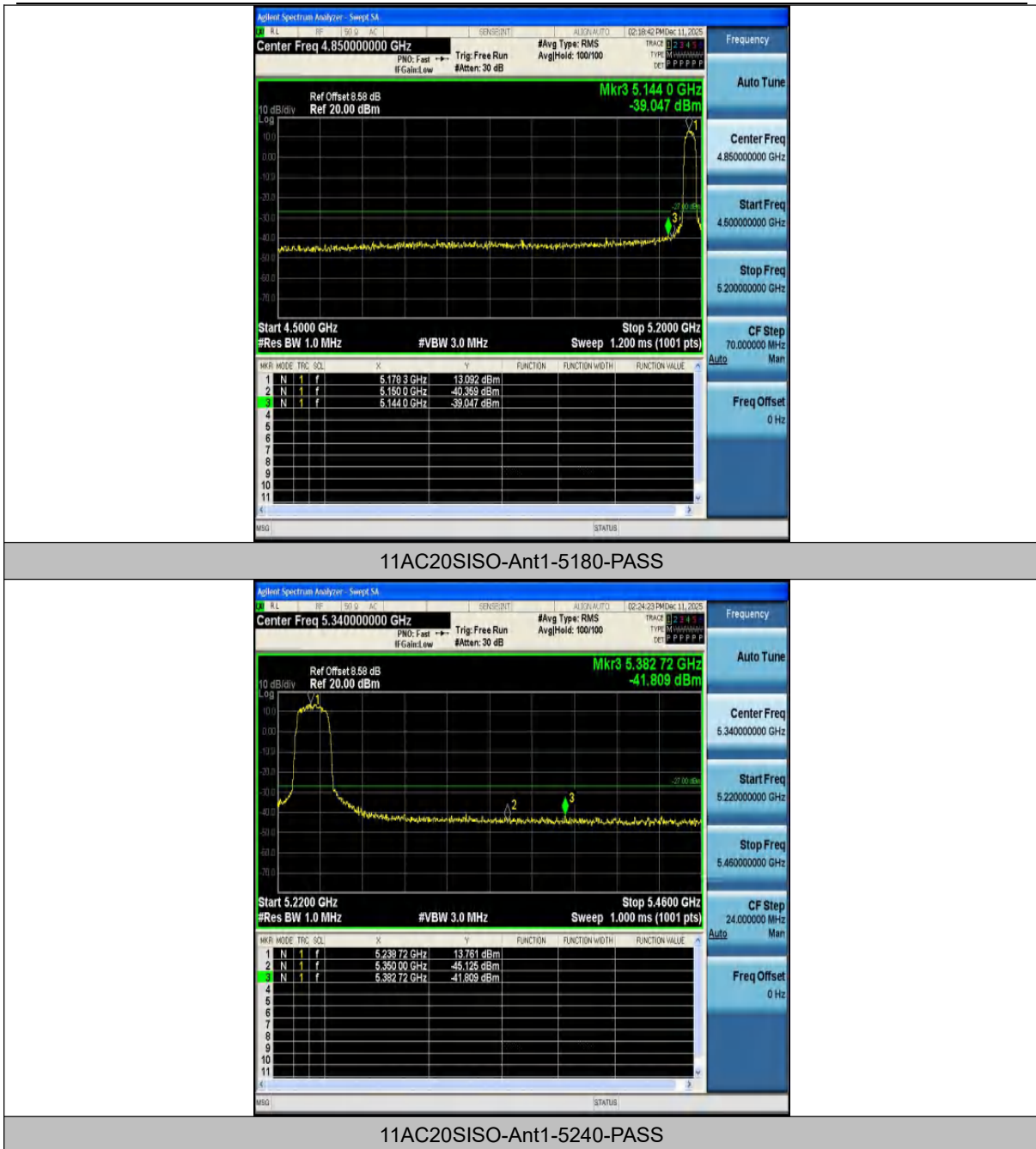
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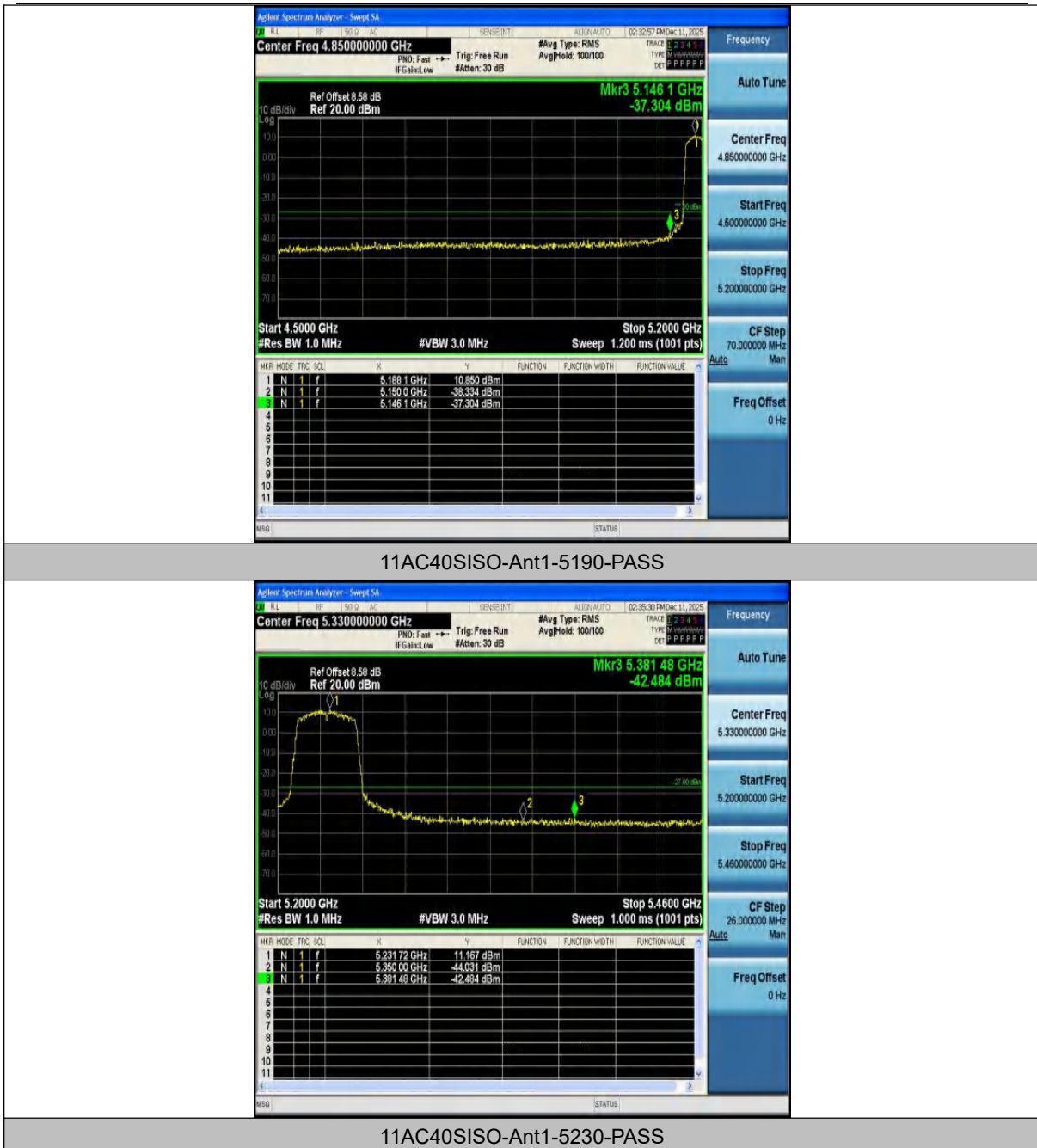
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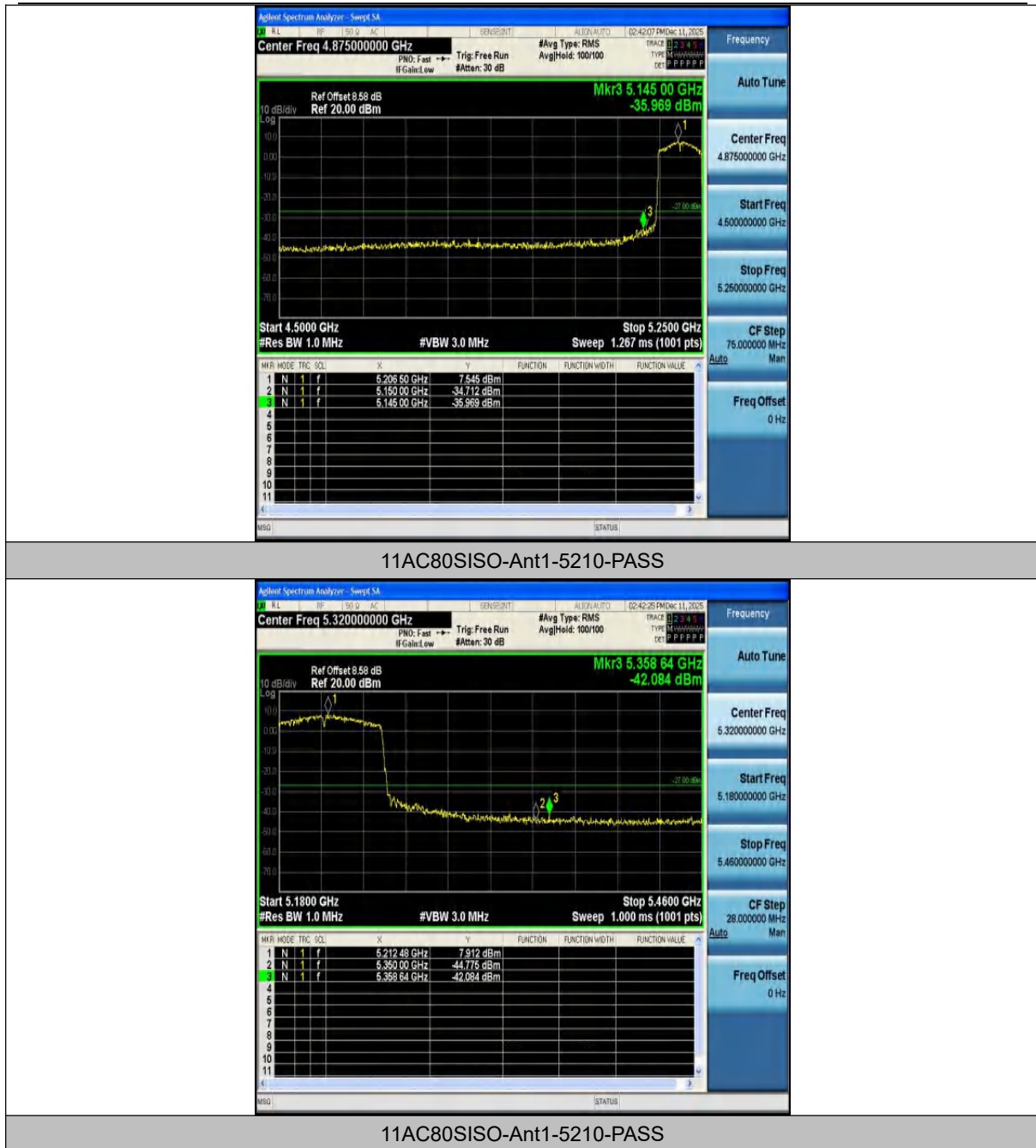
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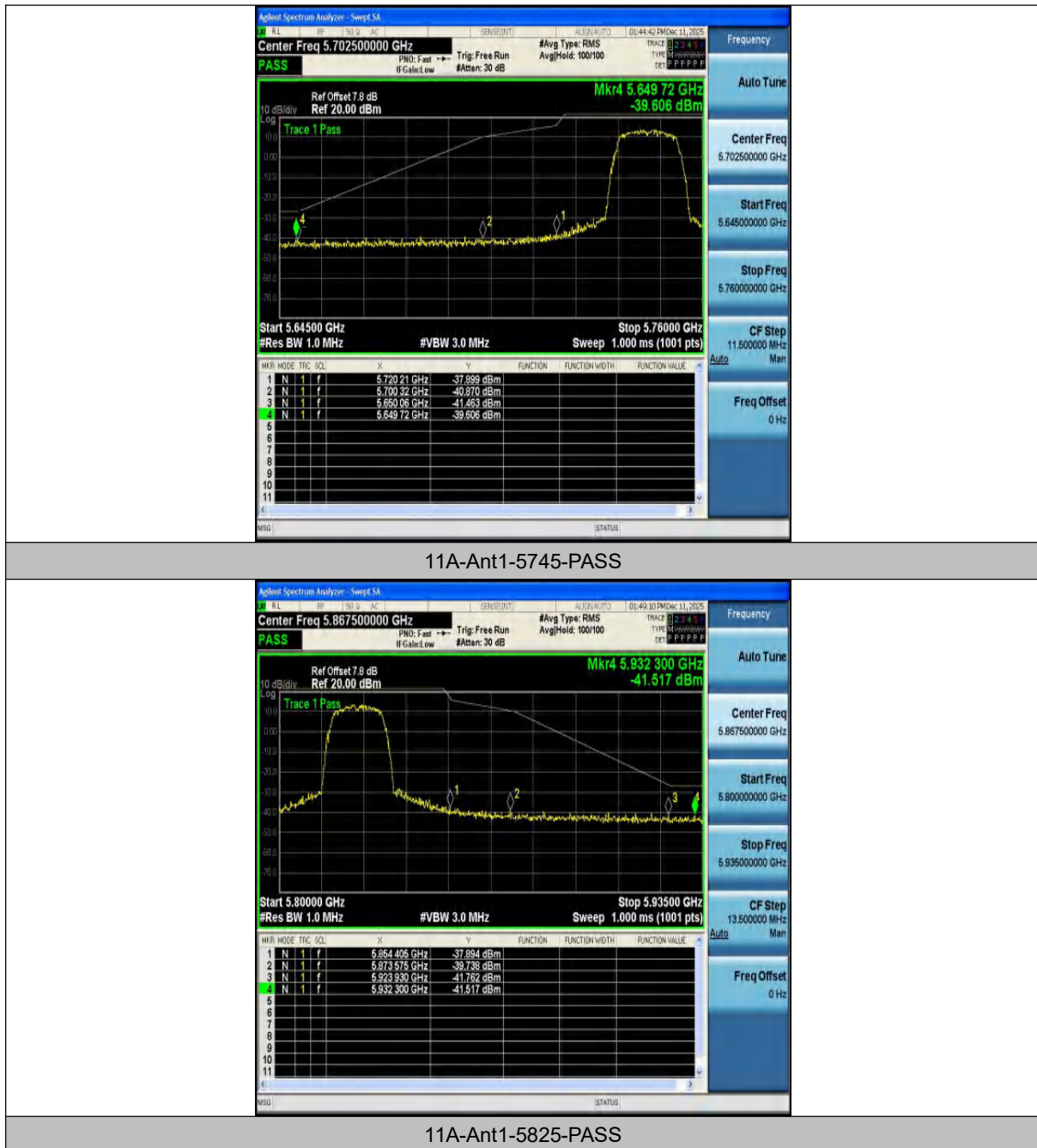








Test Graphs B4



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