

TEST REPORT

Report No.: MTi260605004-0202E4

Photographs of the EUT

Refer to Appendix - EUT Photos

Appendix

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Appendix A: Emission bandwidth (26dB bandwidth)

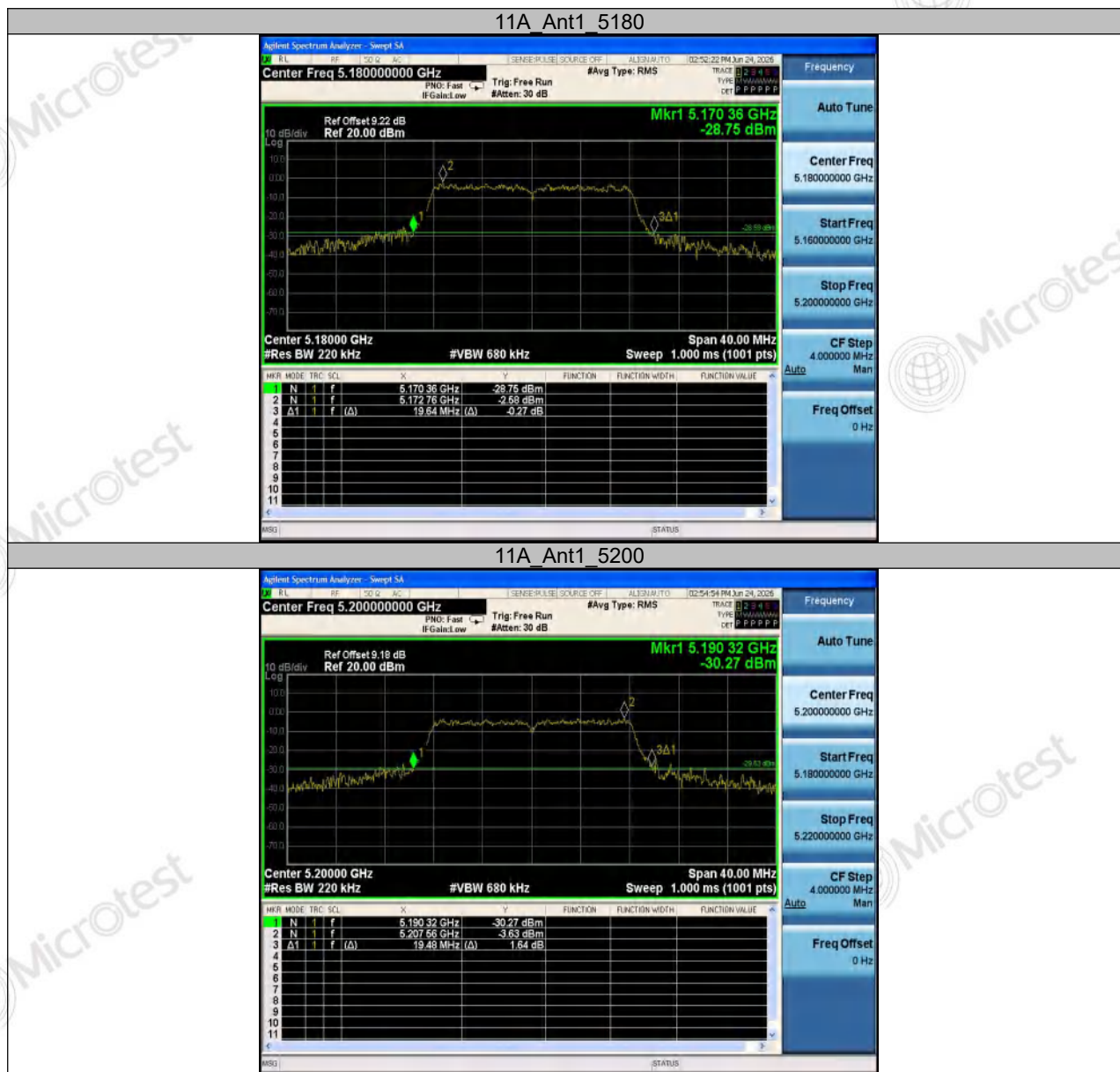
Test Result

Test Mode	Antenna	Frequency [MHz]	26db EBW [MHz]
11A	Ant1	5180	19.64
		5200	19.48
		5240	19.44
		5745	19.64
		5785	19.64
		5825	19.52
11N20SISO	Ant1	5180	19.32
		5200	19.20
		5240	19.48
		5745	19.52
		5785	19.32
11N40SISO	Ant1	5825	19.80
		5190	39.76
		5230	41.68
		5755	41.52
		5795	39.68
11AC20SISO	Ant1	5180	19.32
		5200	19.52
		5240	19.60
		5745	19.48
		5785	19.36
11AC40SISO	Ant1	5825	19.60
		5190	41.52
		5230	40.64
		5755	40.80
		5795	40.00
11AC80SISO	Ant1	5210	81.76
		5775	81.76

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Test Graphs



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11A_Ant1_5240



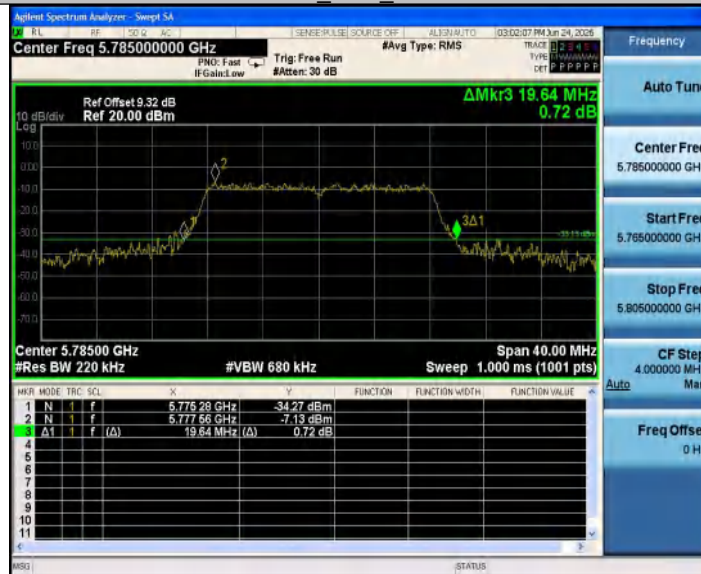
11A_Ant1_5745



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11A_Ant1_5785

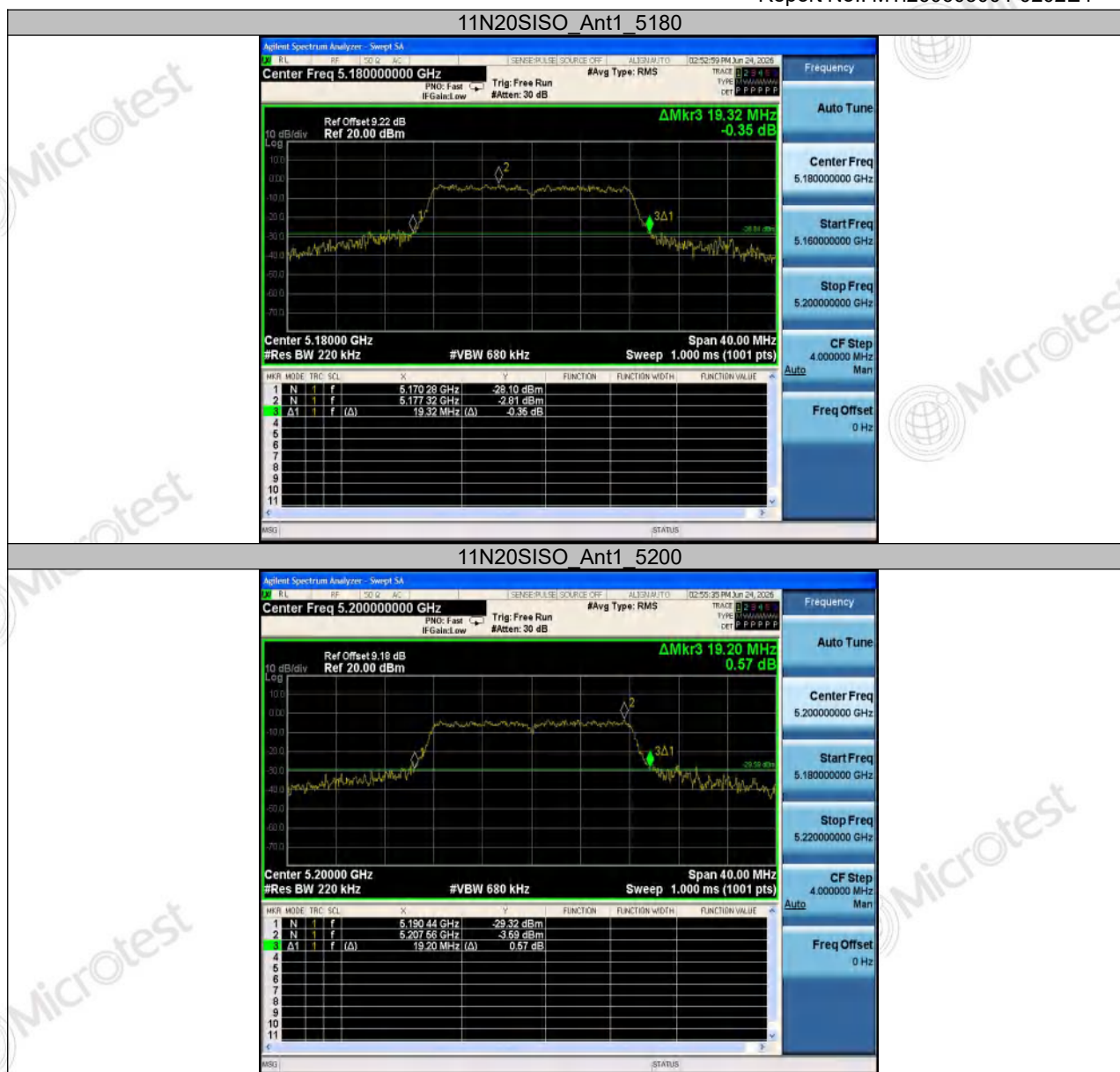


11A_Ant1_5825



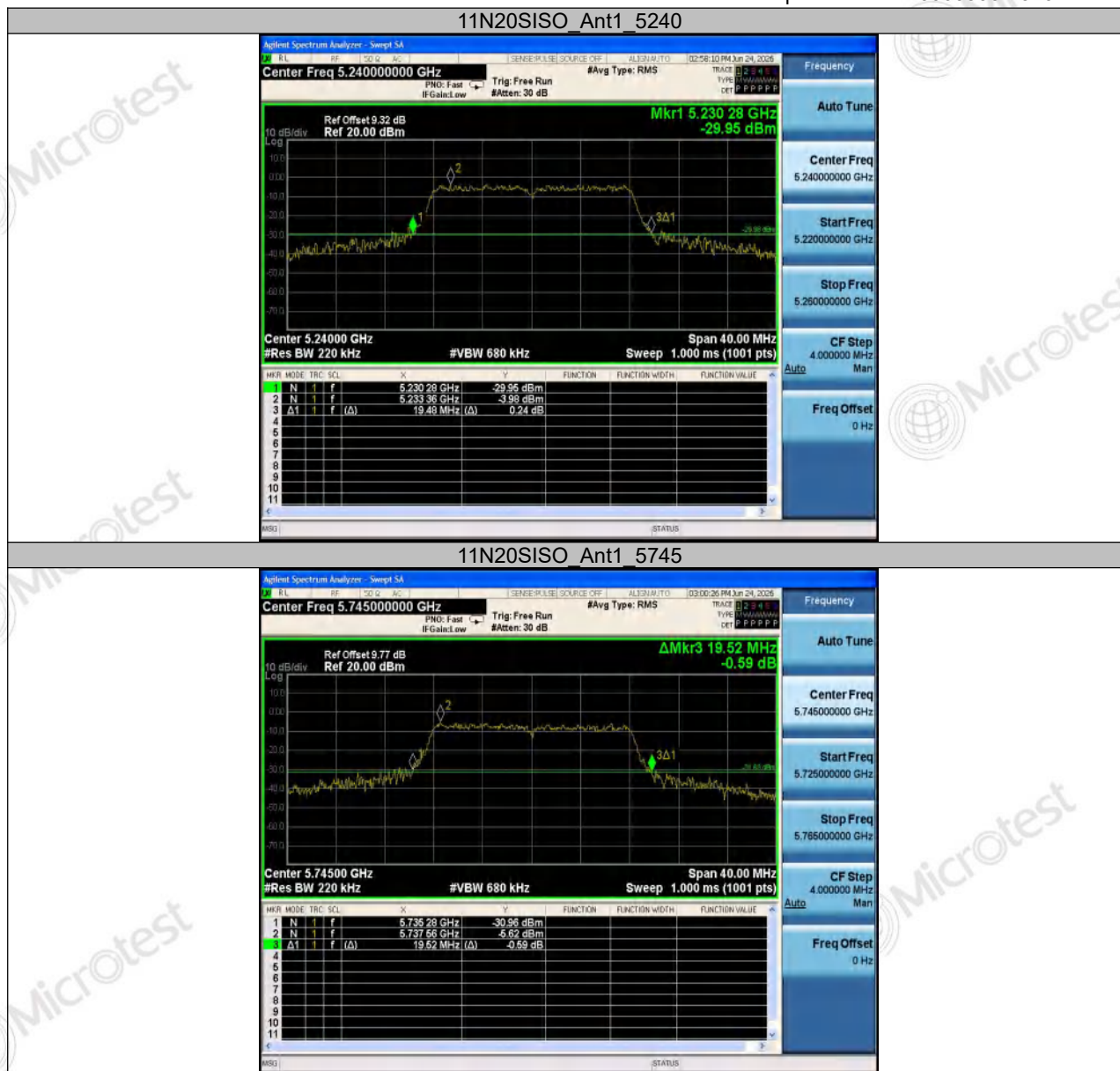
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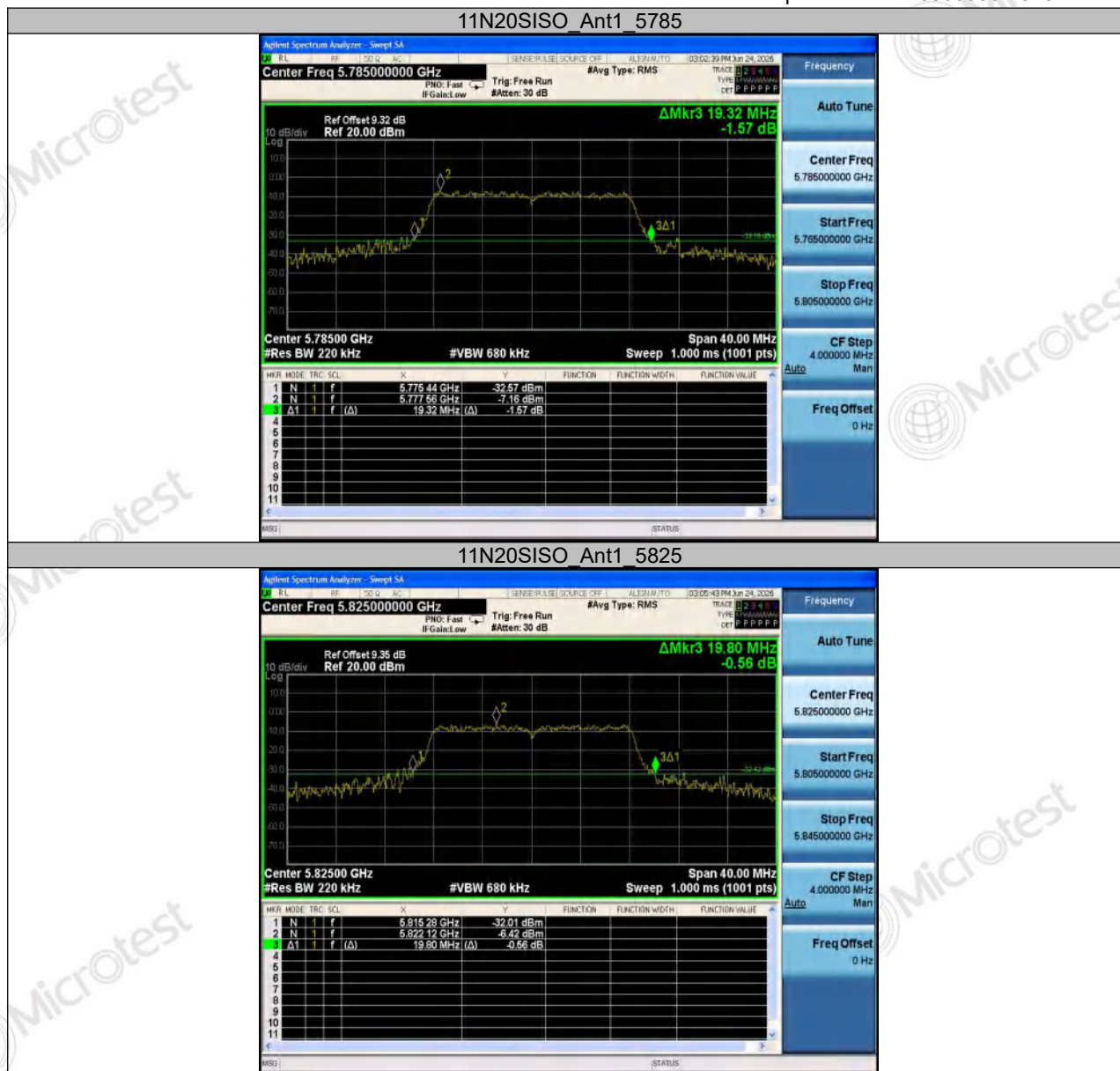
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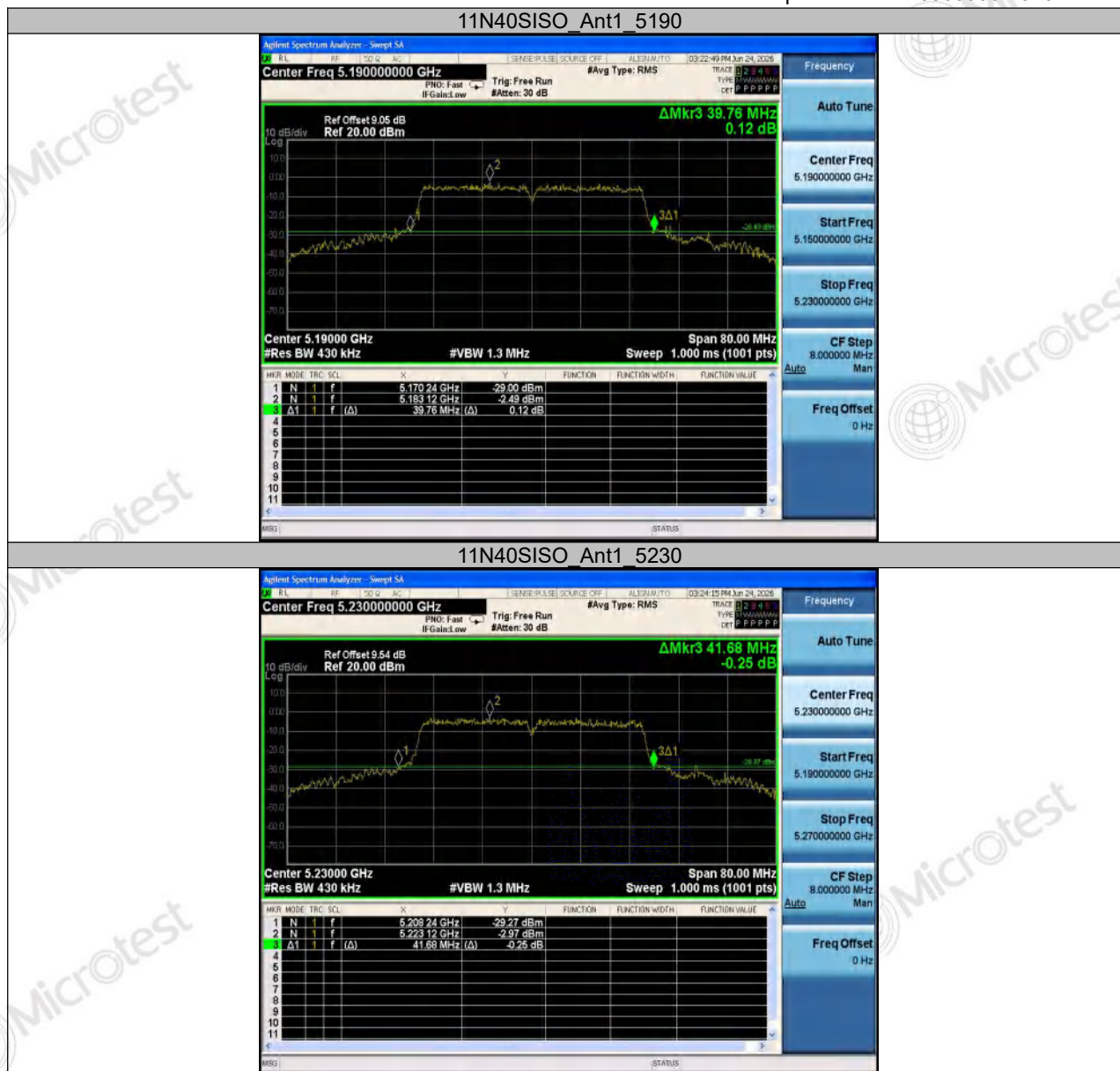
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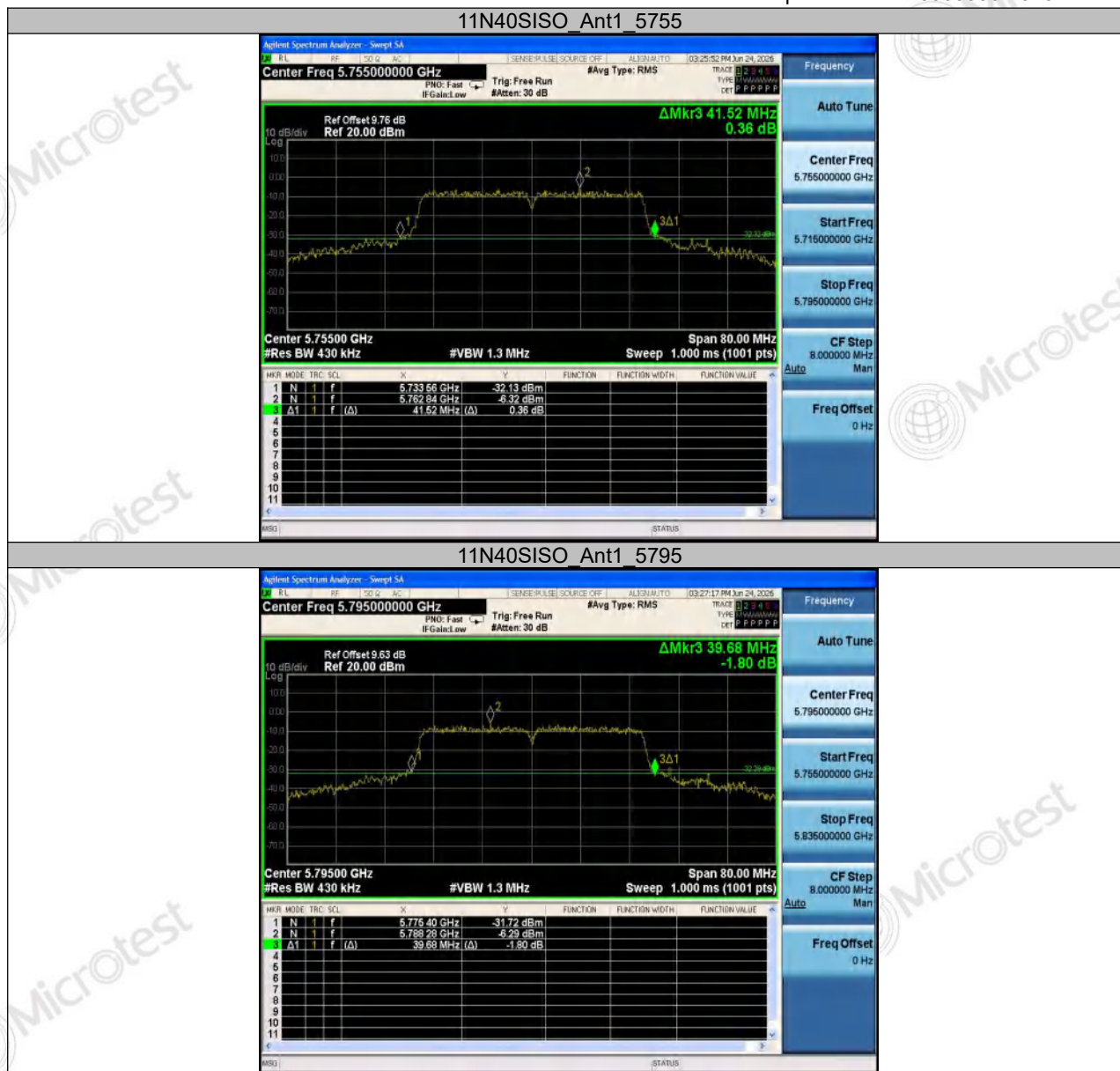
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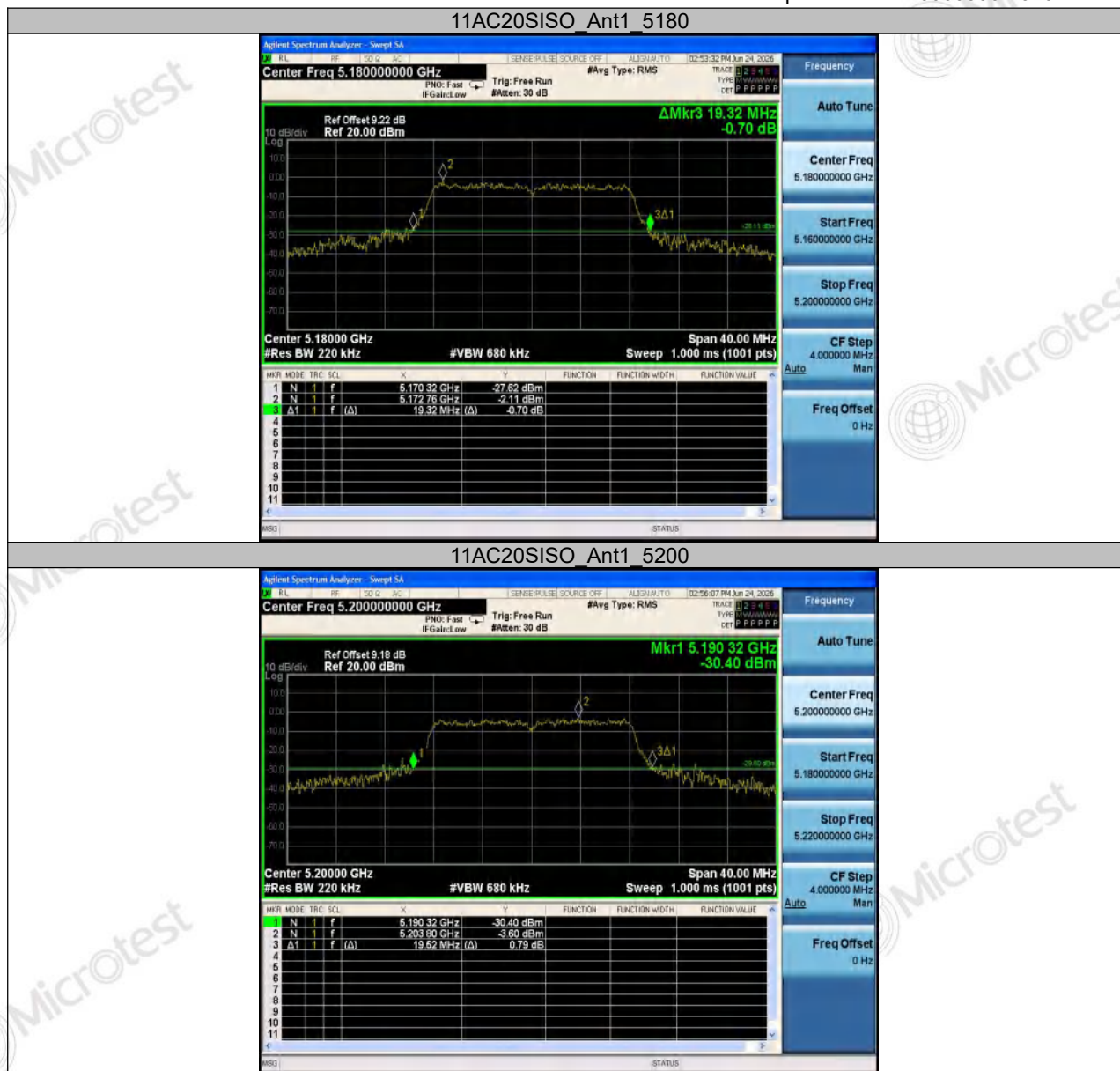
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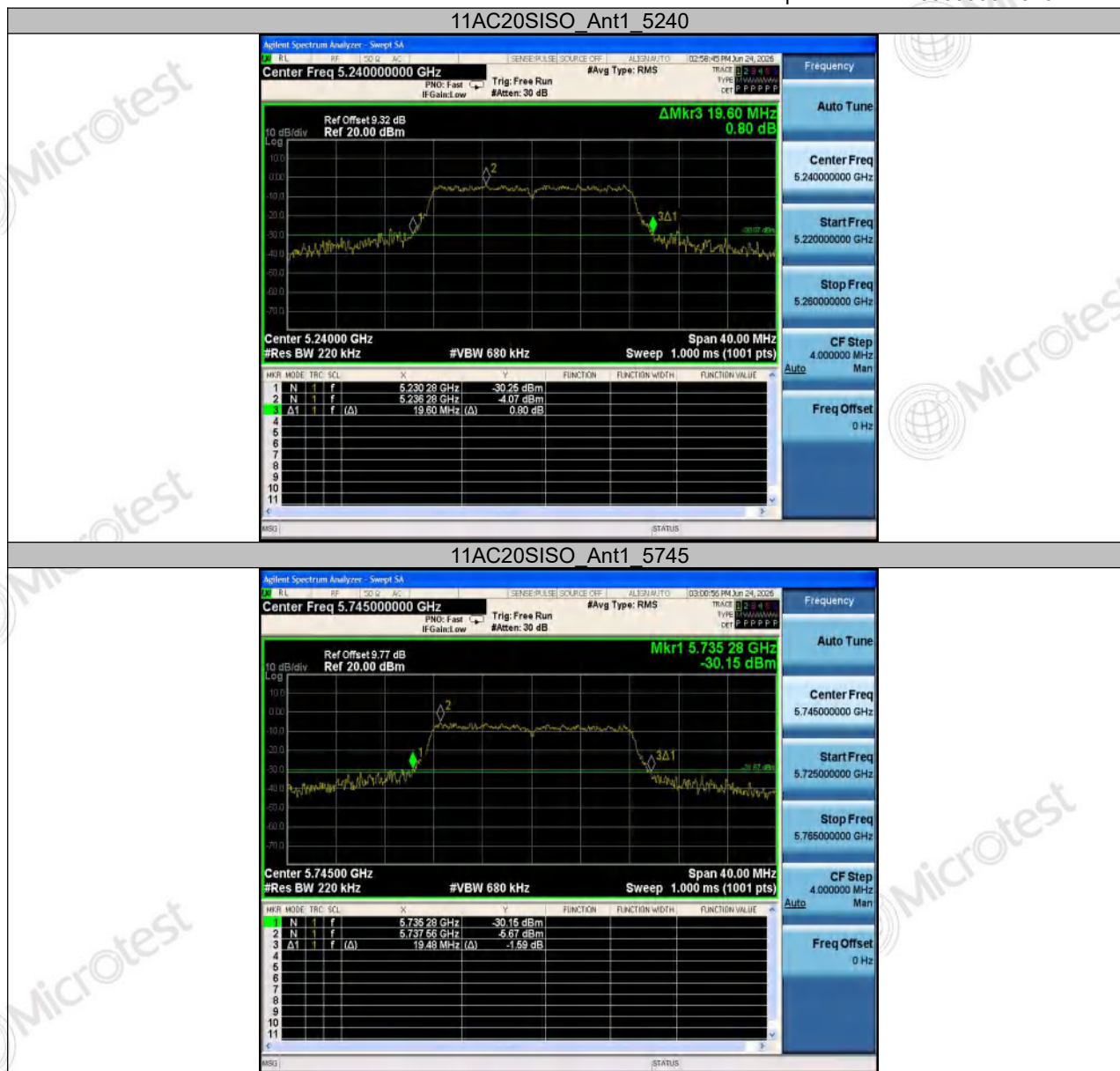
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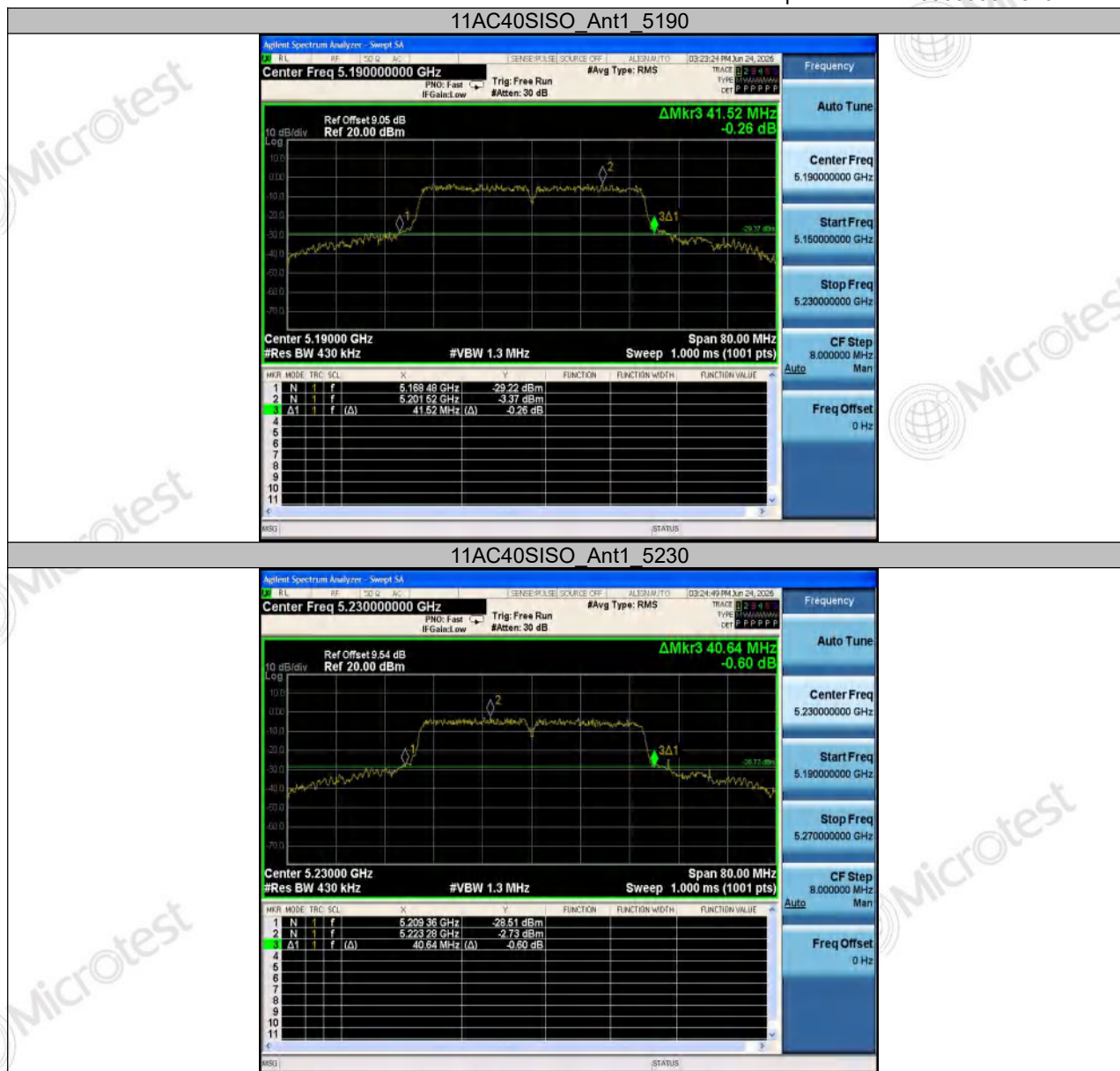
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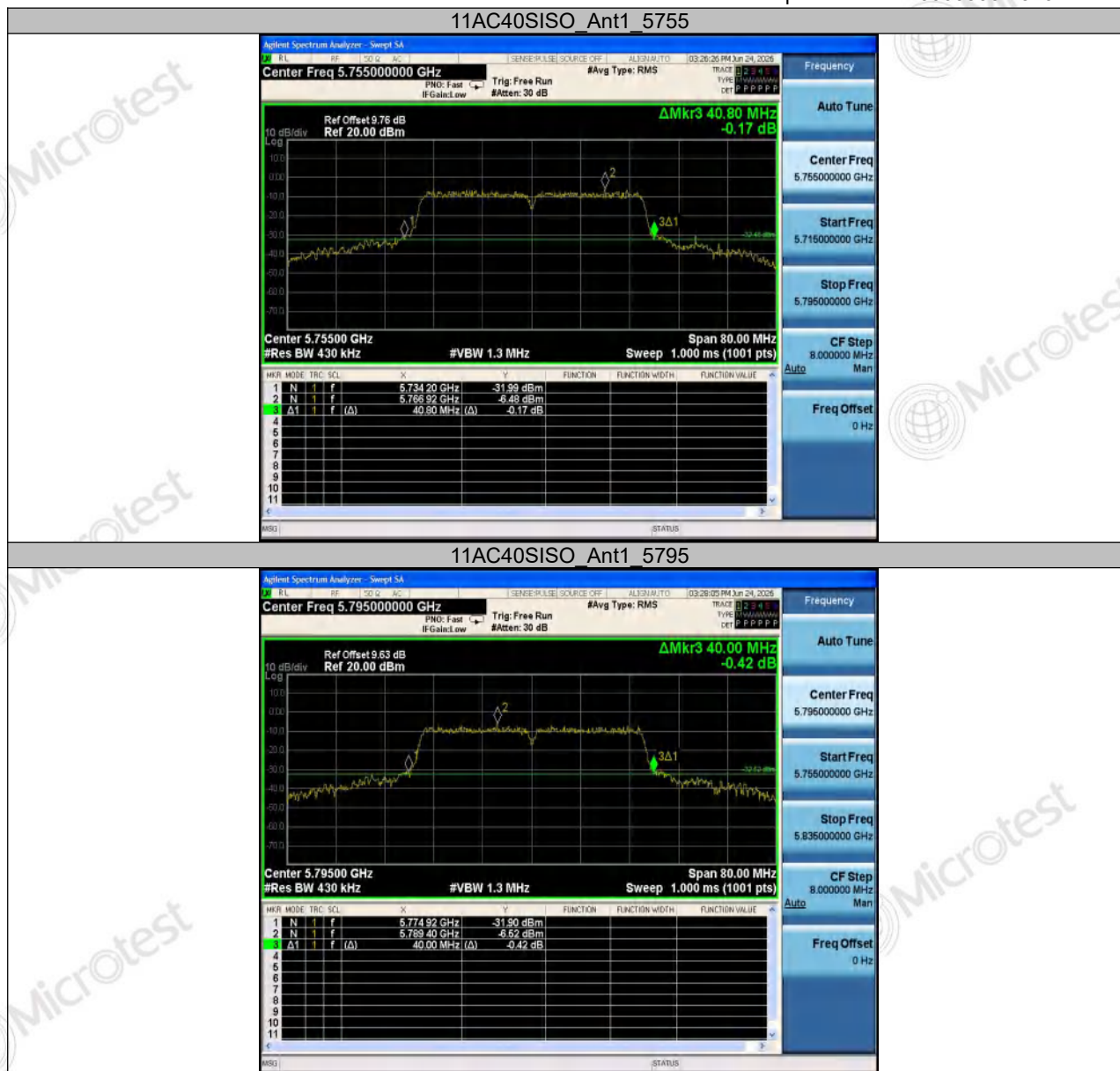
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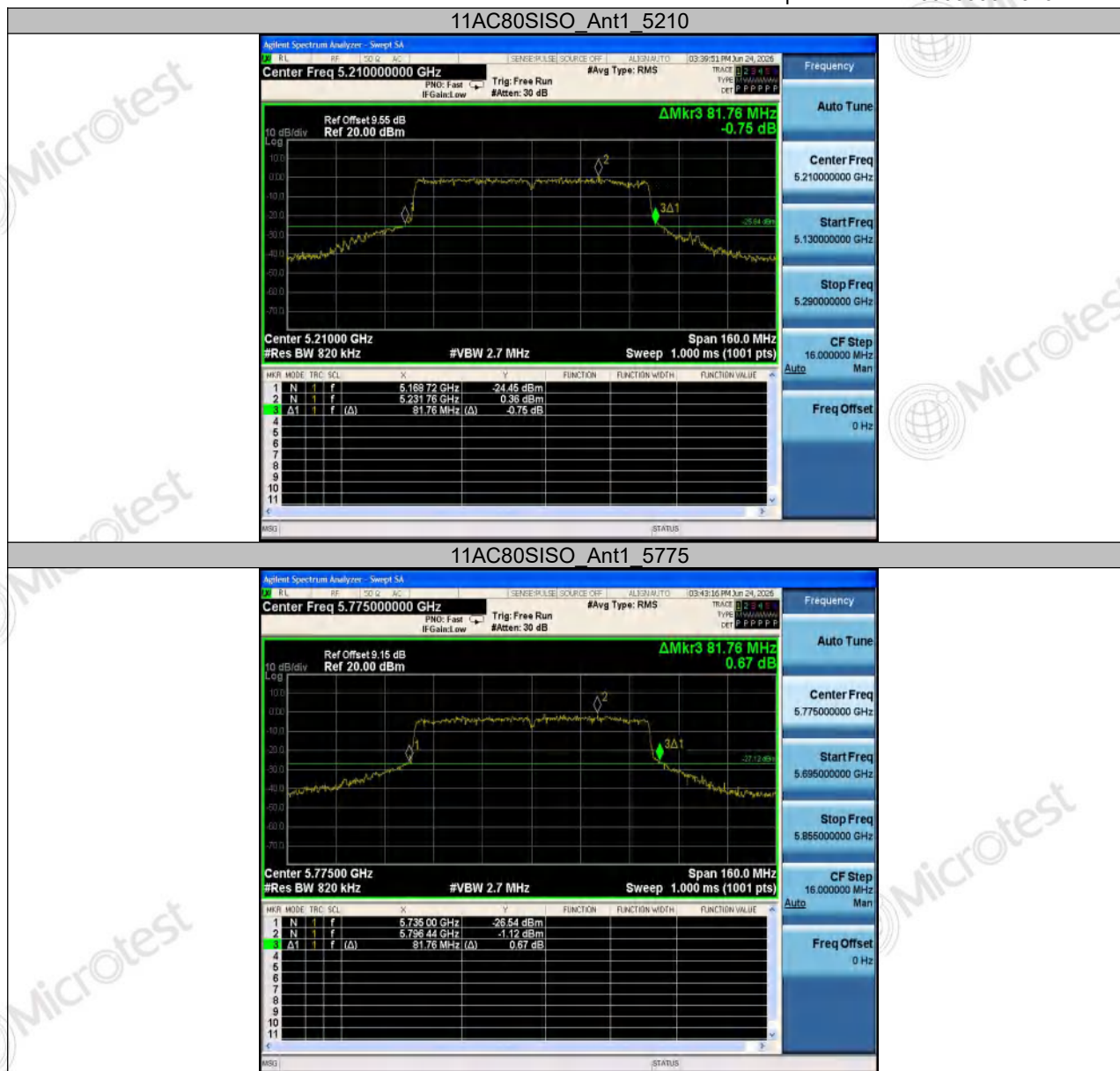
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Appendix B: Occupied channel bandwidth

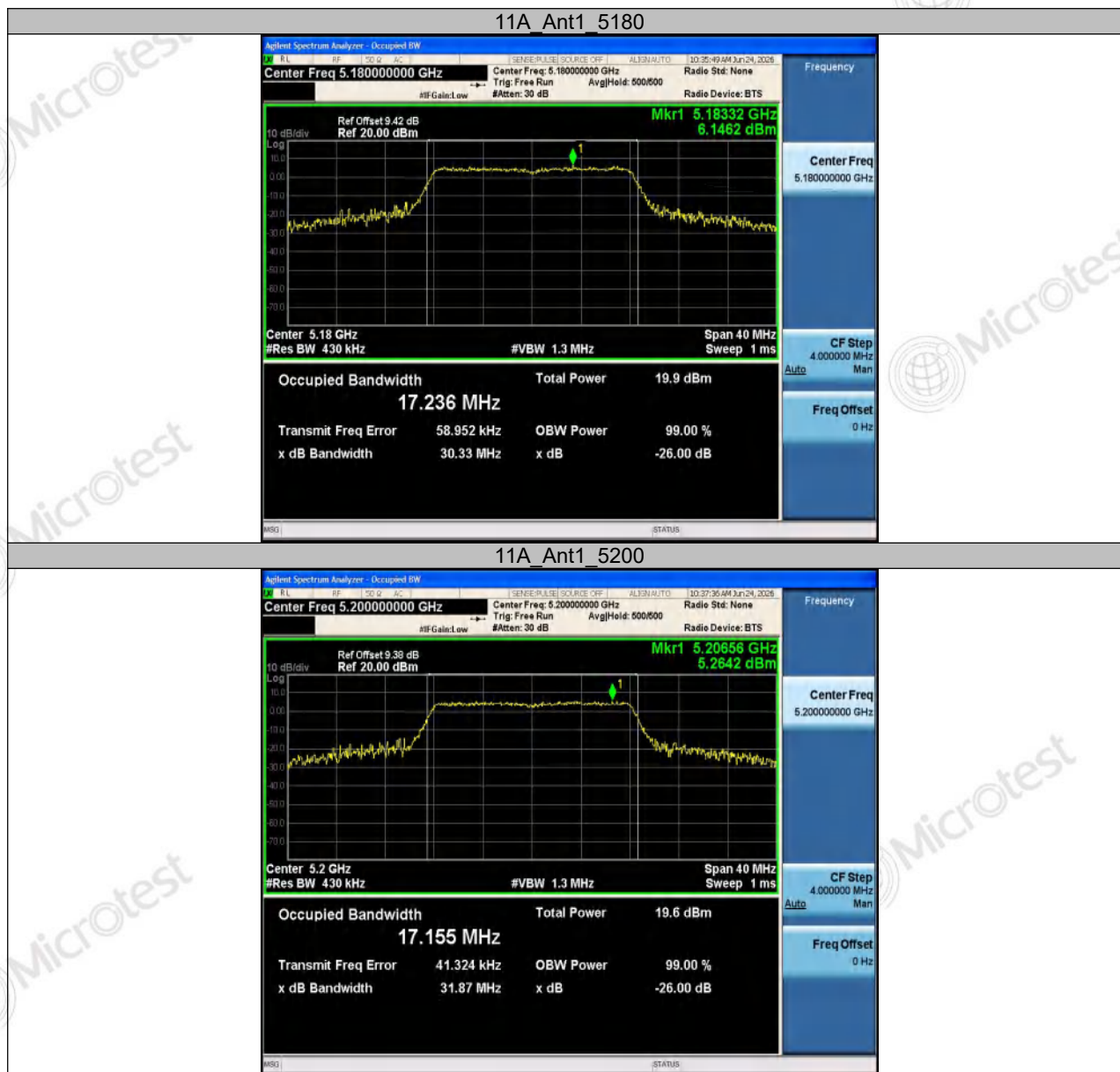
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.236	5171.4410	5188.6770	---	---
		5200	17.155	5191.4638	5208.6188	---	---
		5240	17.170	5231.4730	5248.6430	---	---
		5745	17.146	5736.4576	5753.6036	---	---
		5785	17.199	5776.4393	5793.6383	---	---
		5825	17.204	5816.4597	5833.6637	---	---
11N20SISO	Ant1	5180	18.174	5170.9020	5189.0760	---	---
		5200	18.200	5190.9202	5209.1202	---	---
		5240	18.232	5230.9003	5249.1323	---	---
		5745	18.203	5735.8819	5754.0849	---	---
		5785	18.279	5775.8230	5794.1020	---	---
		5825	18.152	5815.9432	5834.0952	---	---
11N40SISO	Ant1	5190	37.076	5171.6494	5208.7254	---	---
		5230	37.139	5211.5848	5248.7238	---	---
		5755	37.145	5736.5678	5773.7128	---	---
		5795	37.170	5776.5212	5813.6912	---	---
11AC20SISO	Ant1	5180	18.003	5171.0434	5189.0464	---	---
		5200	17.936	5191.1012	5209.0372	---	---
		5240	17.946	5231.0798	5249.0258	---	---
		5745	17.891	5736.0900	5753.9810	---	---
		5785	17.909	5776.0983	5794.0073	---	---
		5825	17.935	5816.1077	5834.0427	---	---
11AC40SISO	Ant1	5190	37.014	5171.6195	5208.6335	---	---
		5230	36.947	5211.6376	5248.5846	---	---
		5755	37.022	5736.5790	5773.6010	---	---
		5795	36.998	5776.6047	5813.6027	---	---
11AC80SISO	Ant1	5210	75.598	5172.3821	5247.9801	---	---
		5775	75.696	5737.2909	5812.9869	---	---

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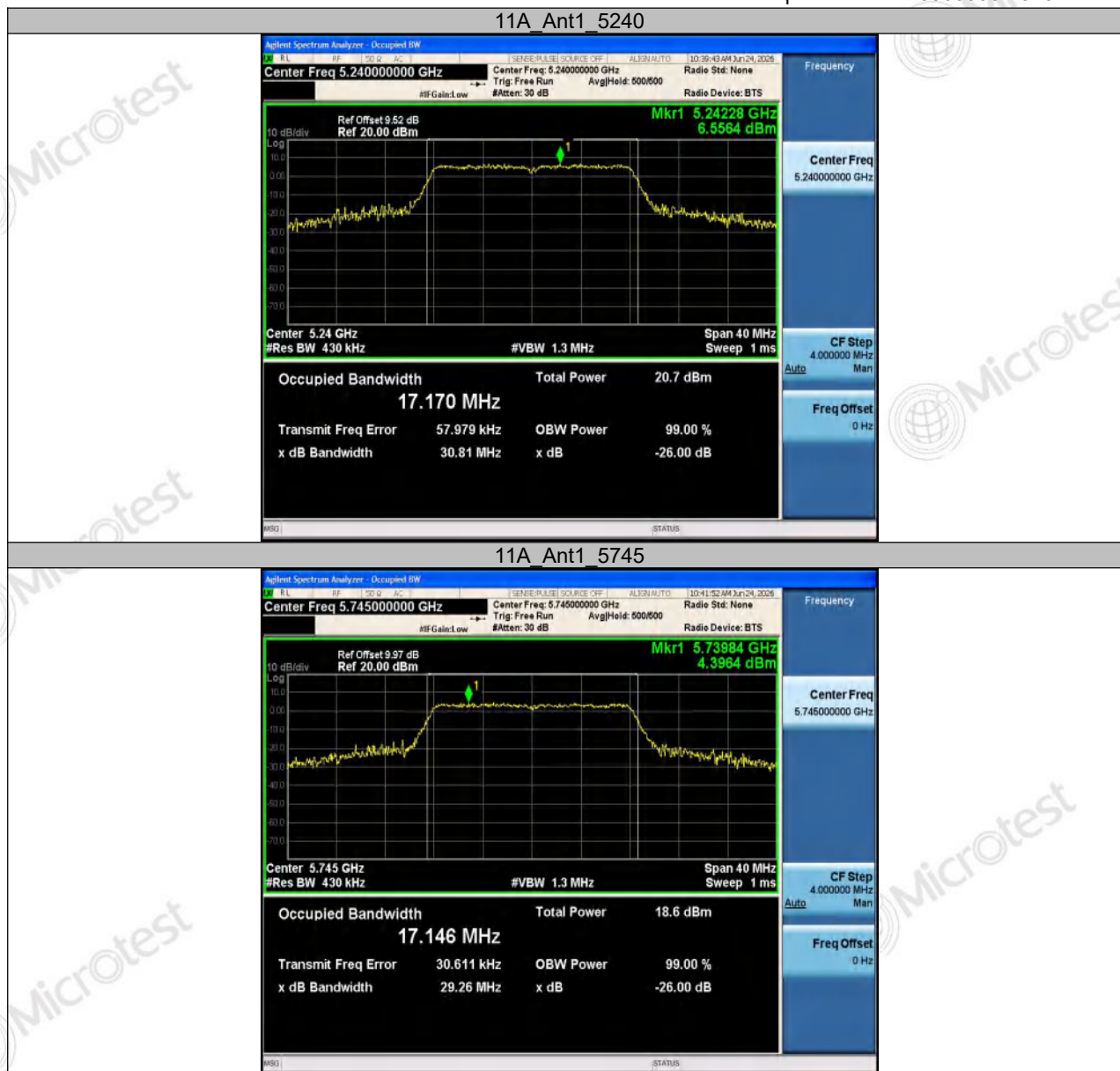
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Test Graphs



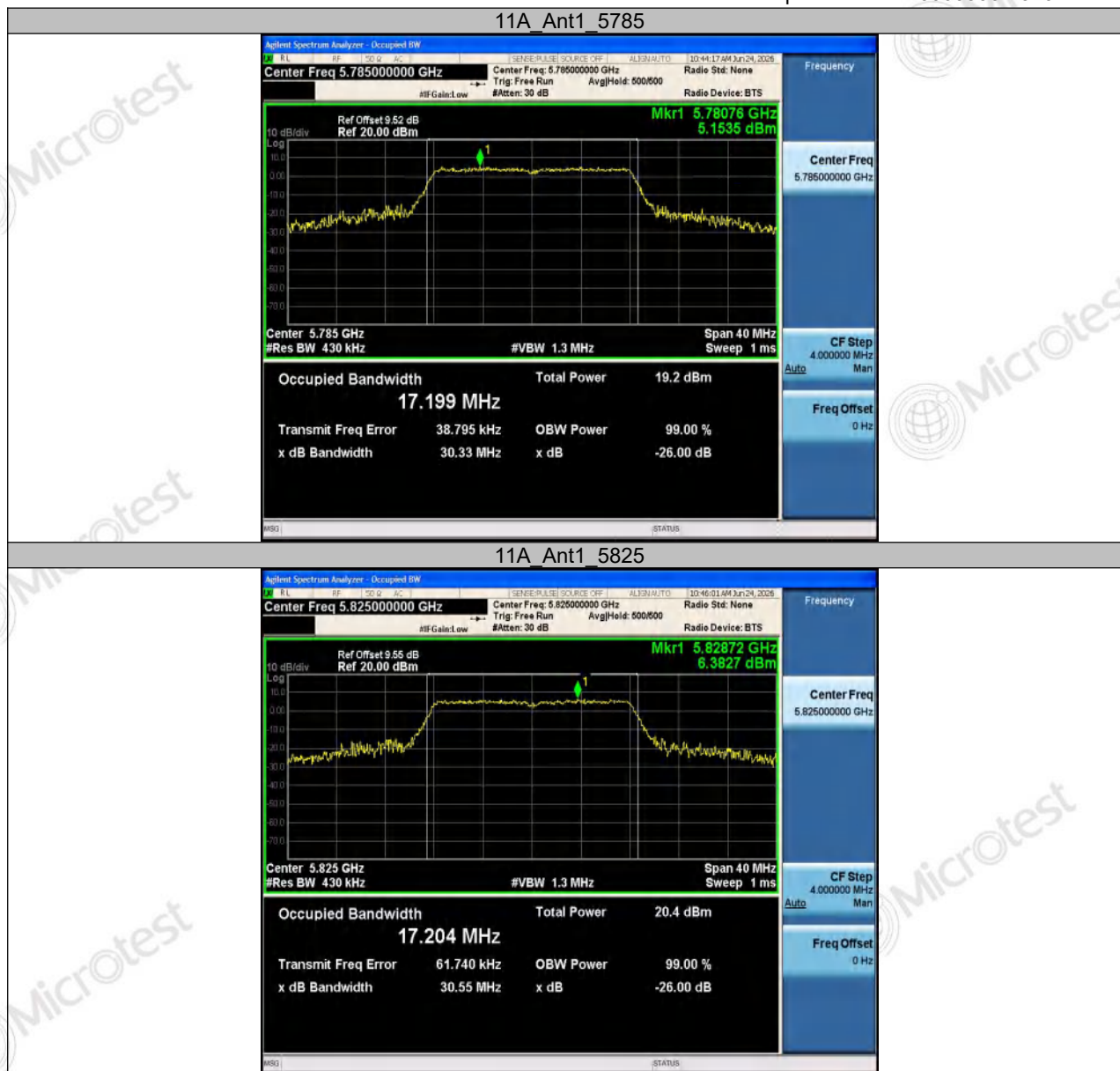
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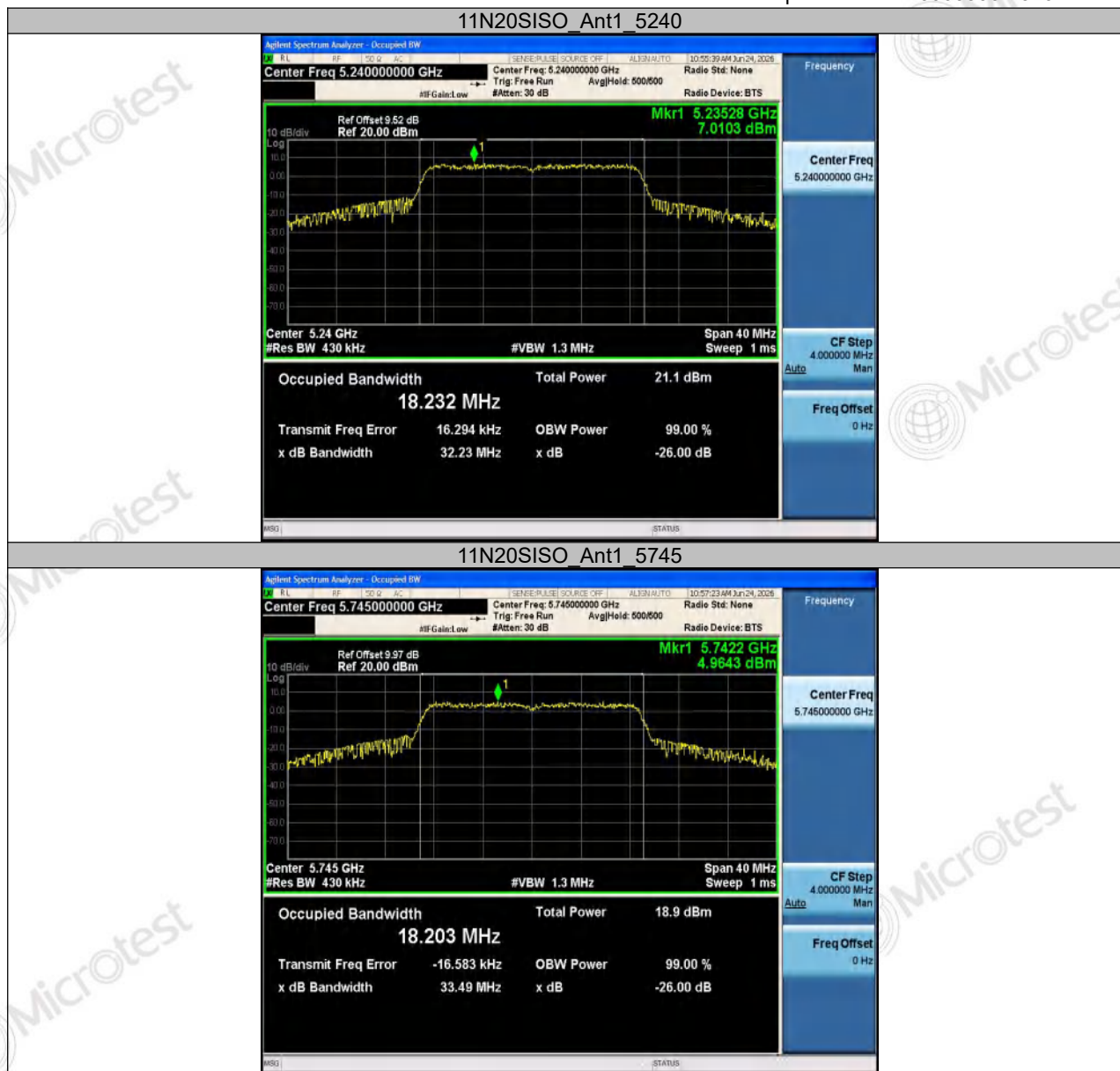
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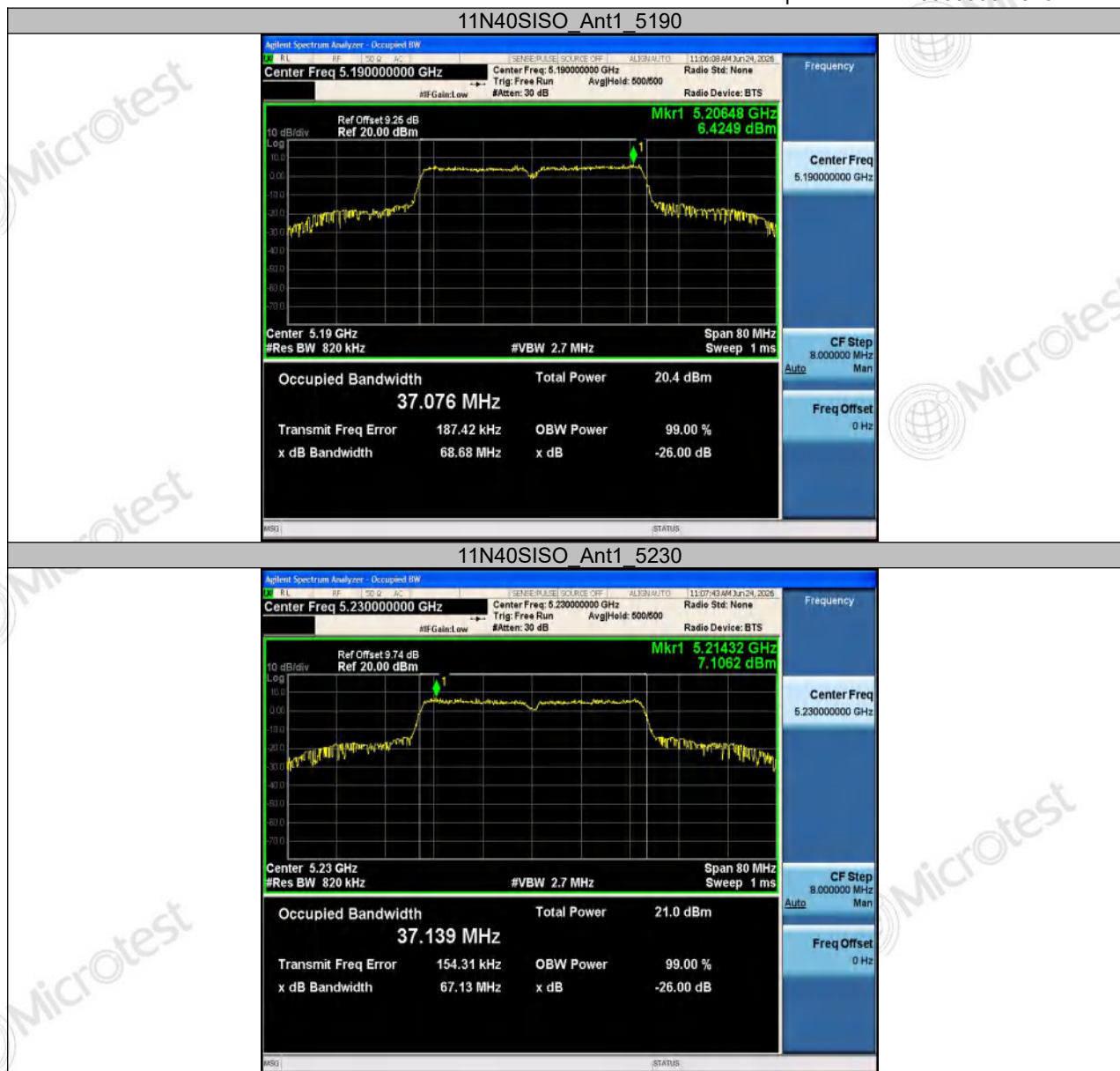
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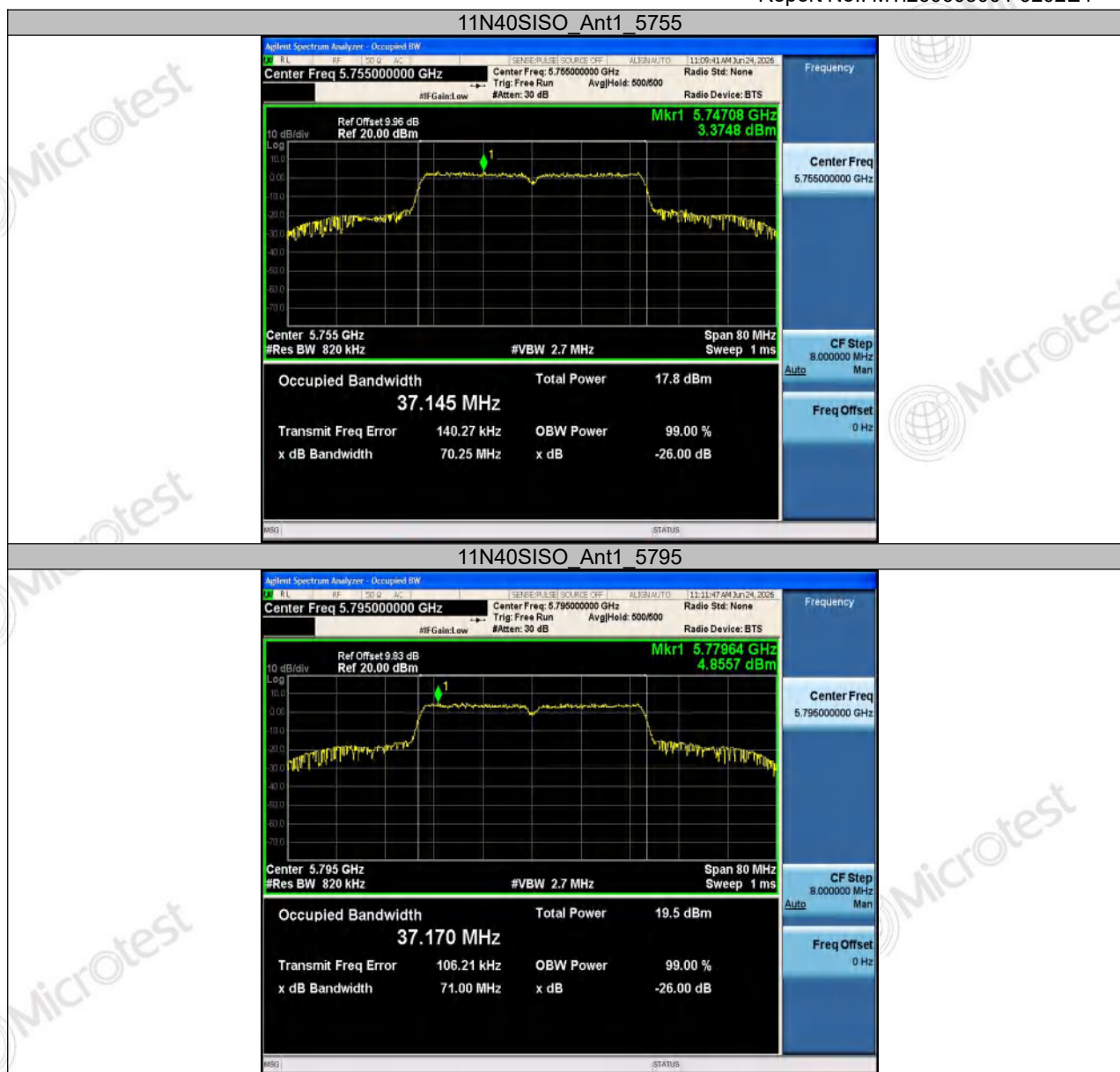
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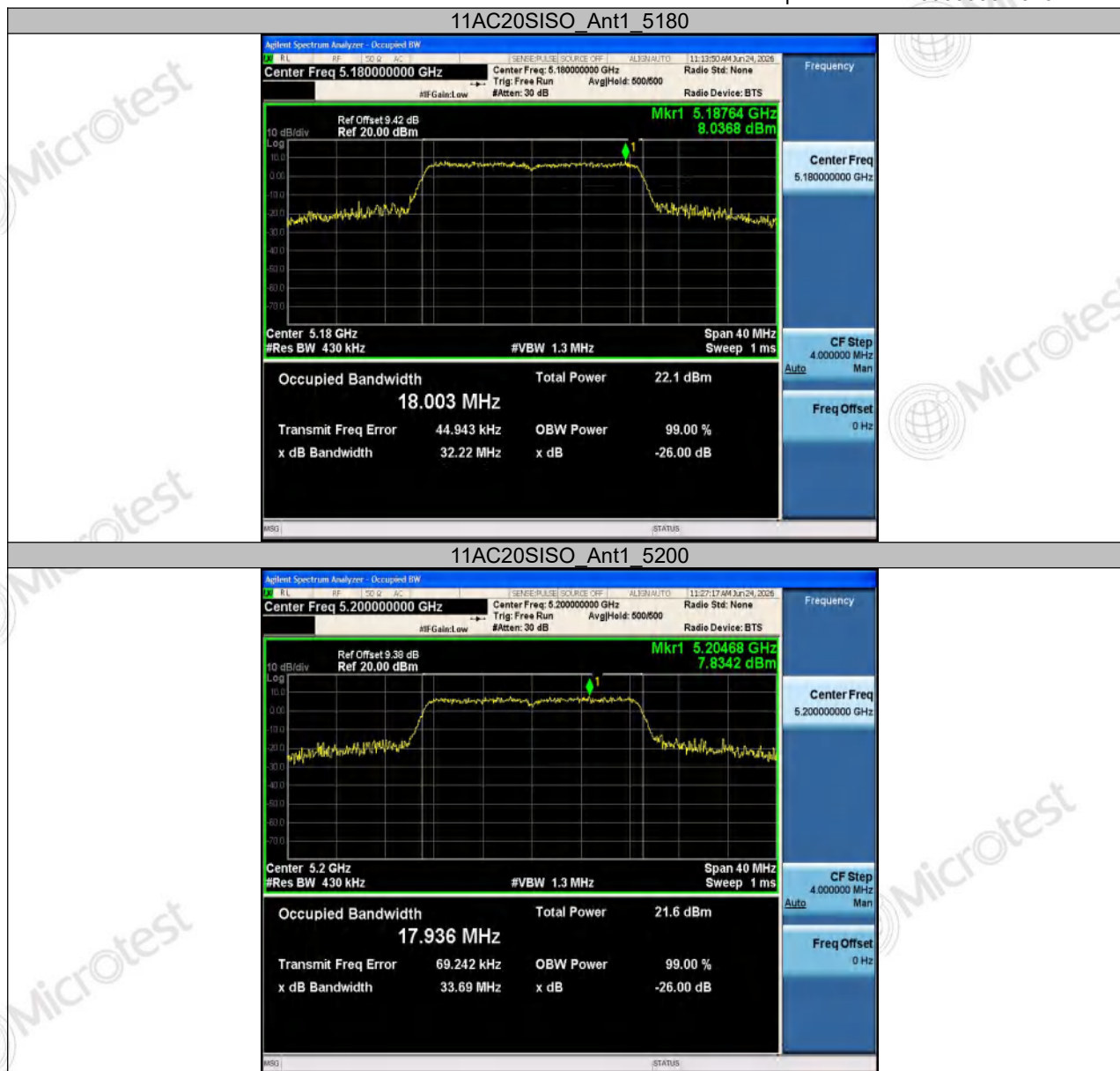
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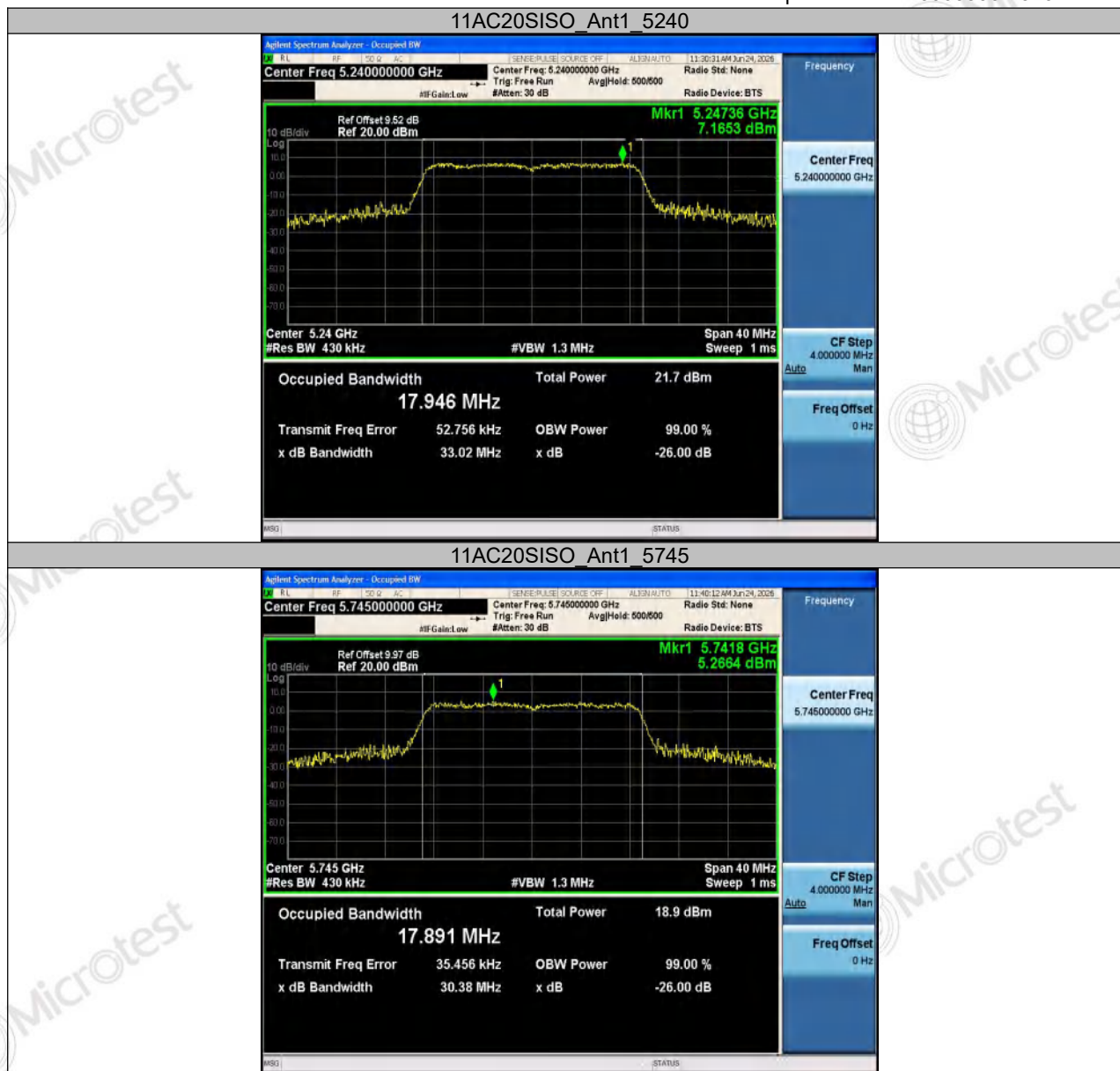
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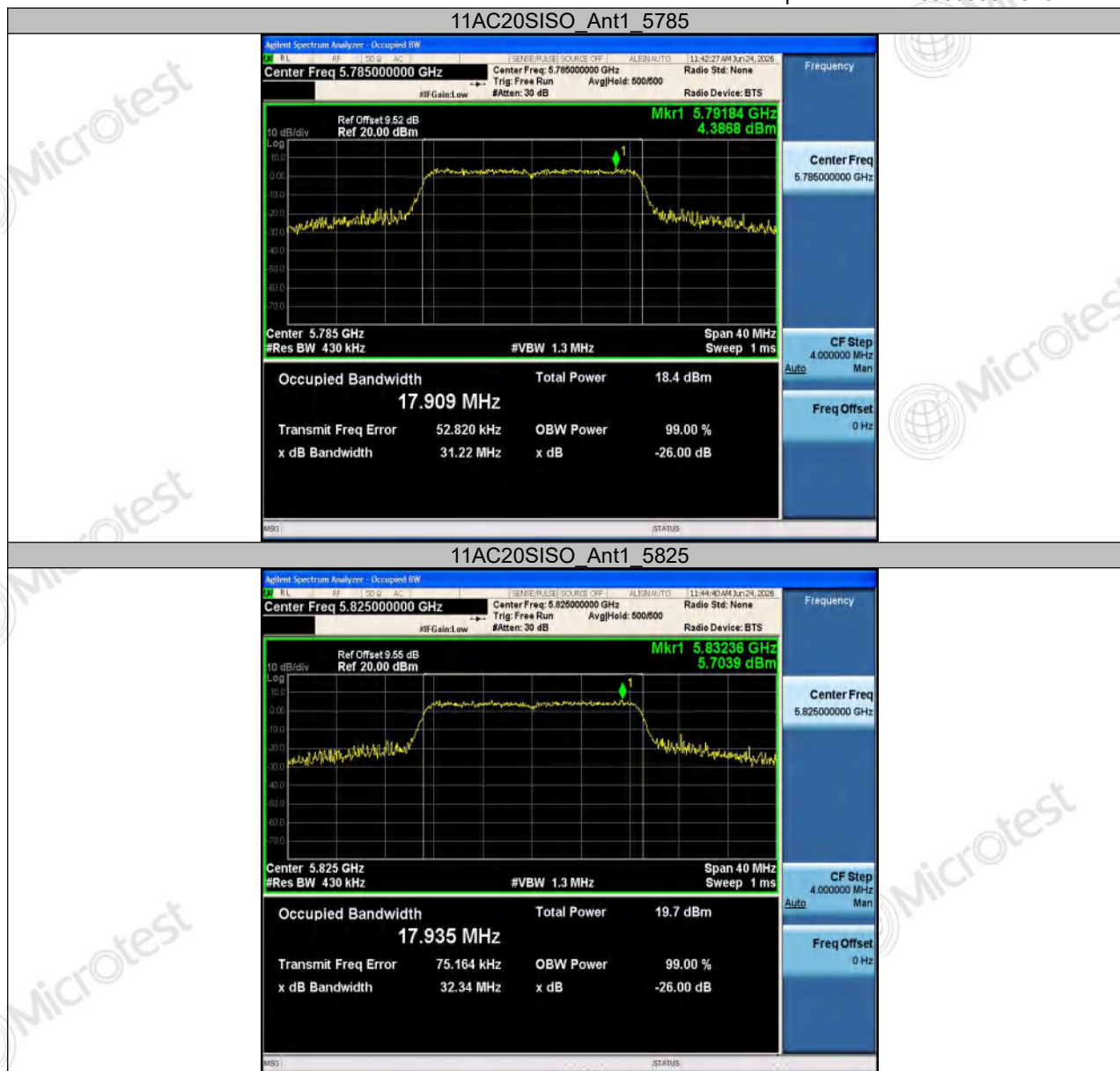
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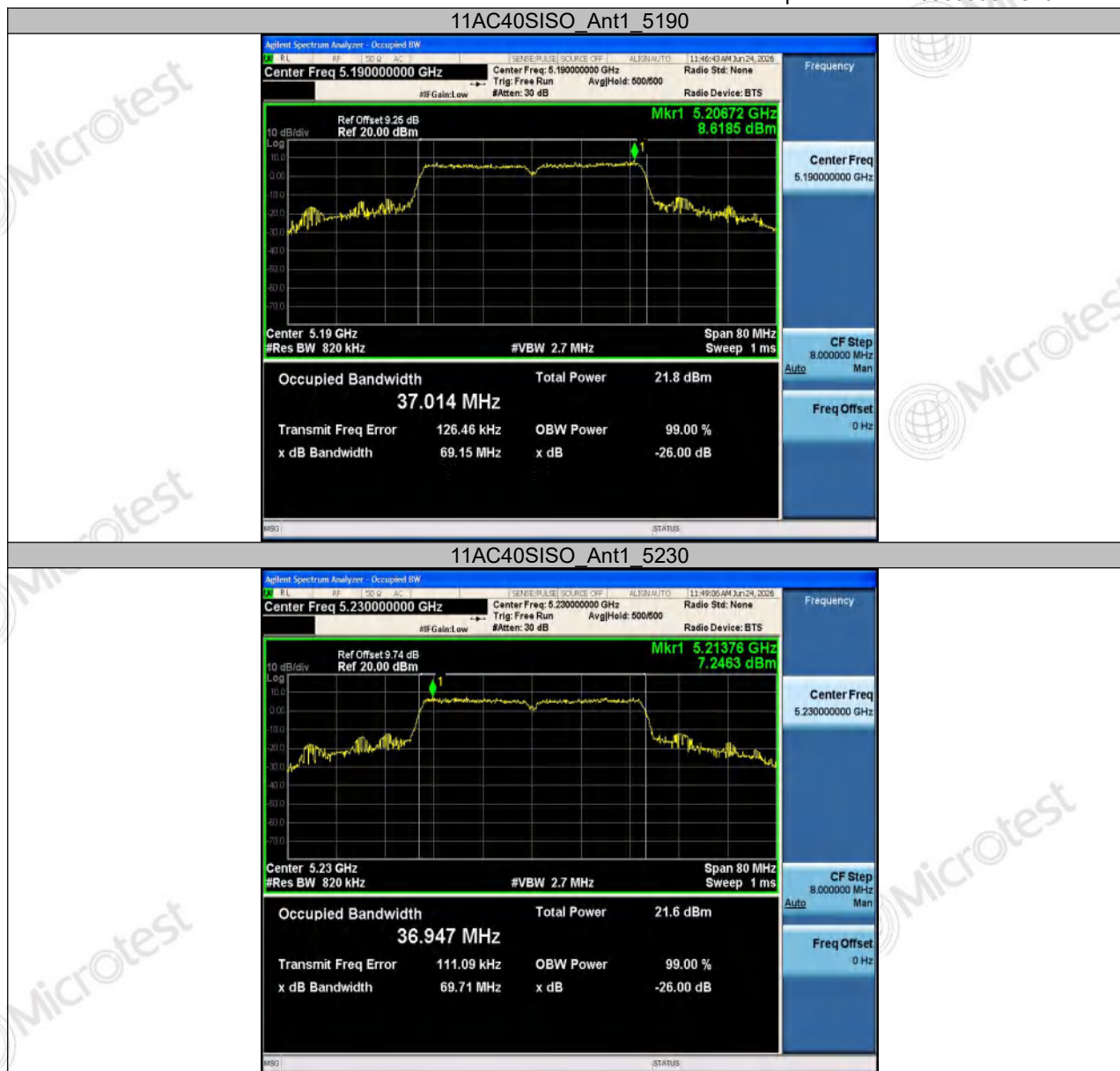
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Report No.: MTi260605004-0202E4



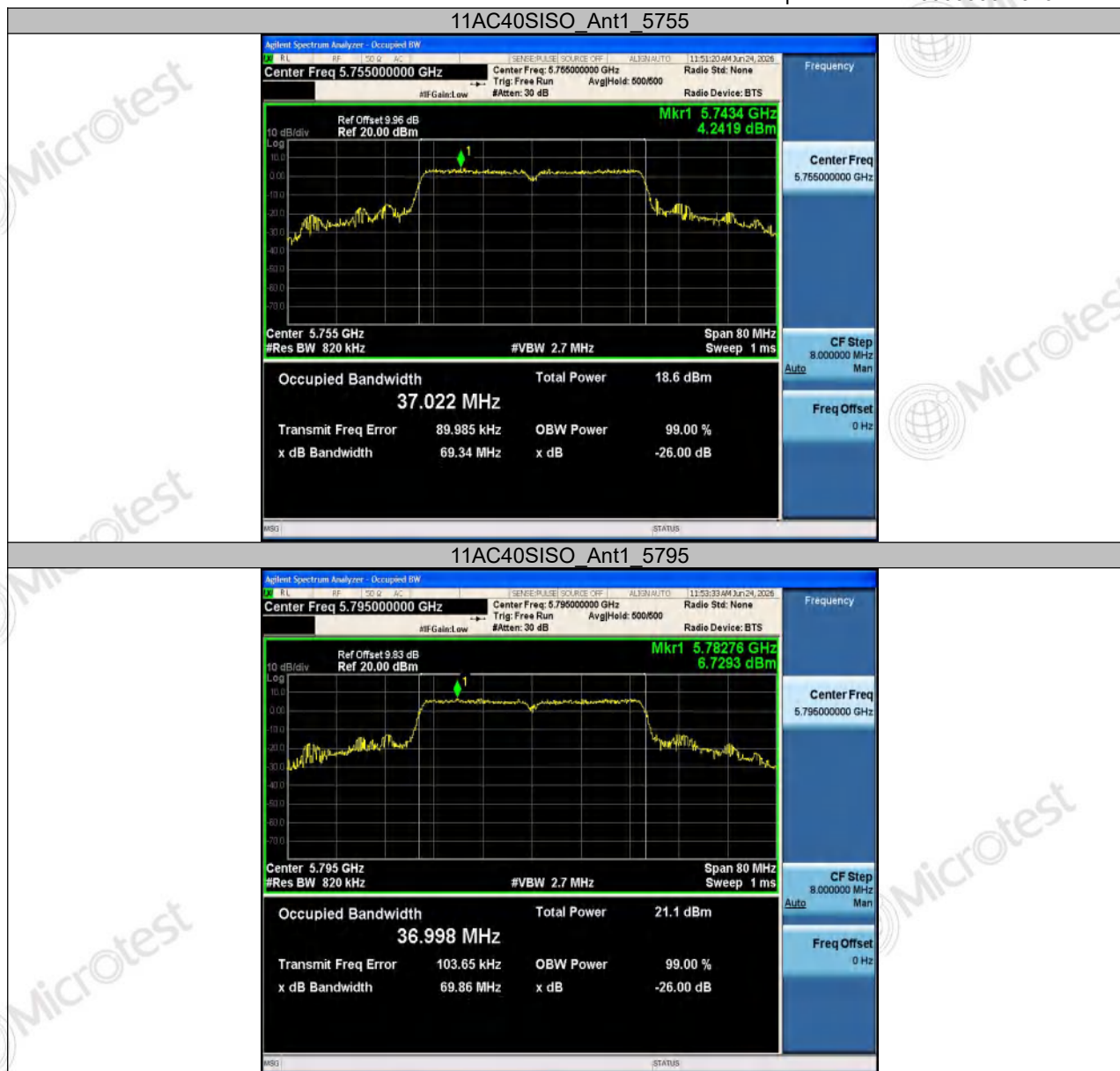
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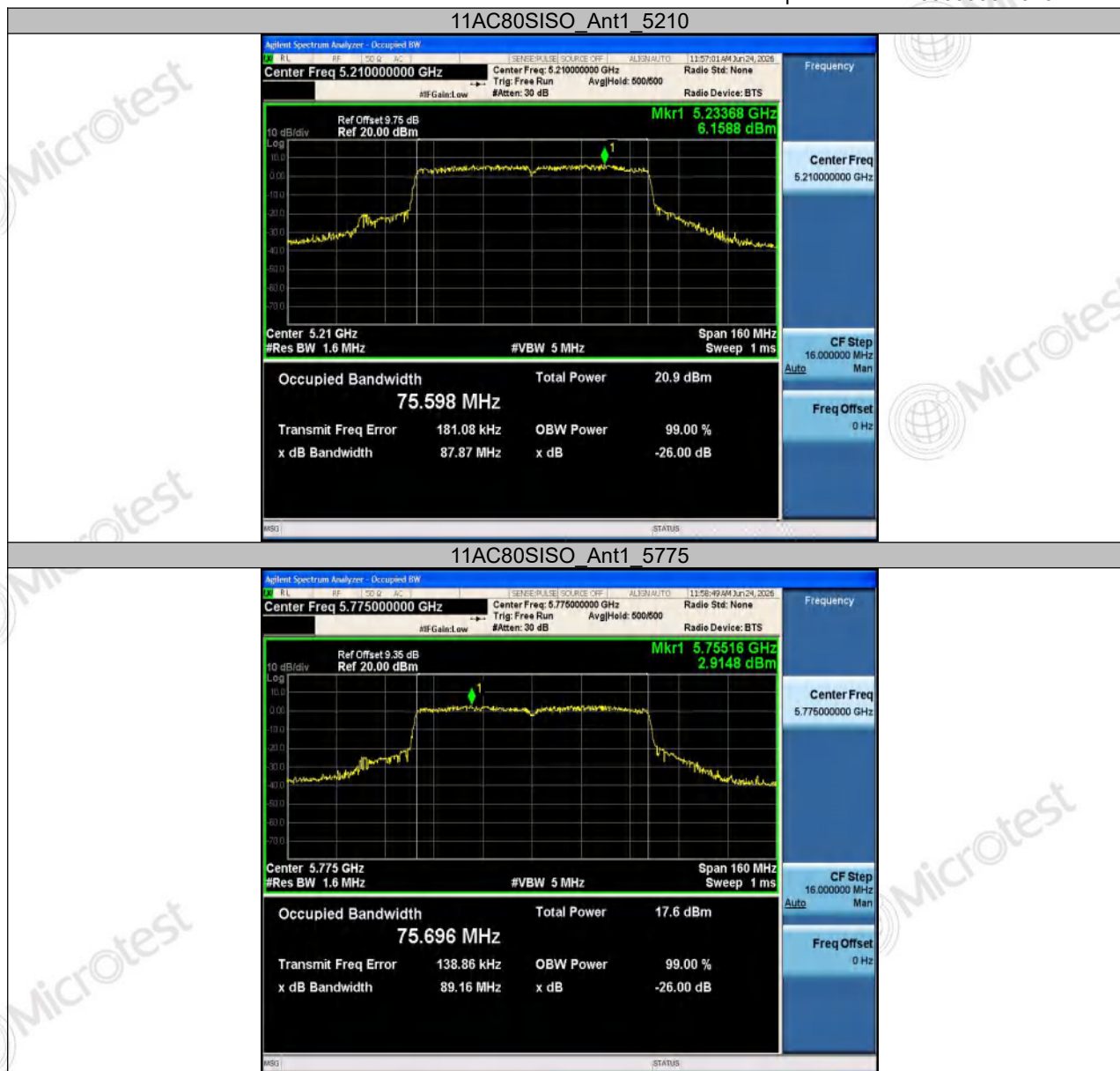
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Appendix C: Min emission bandwidth

Test Result B4

TestMode	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
		5785	16.400	5776.800	5793.200	0.5	PASS
		5825	16.360	5816.840	5833.200	0.5	PASS
11N20SISO	Ant1	5745	17.240	5736.360	5753.600	0.5	PASS
		5785	17.200	5776.360	5793.560	0.5	PASS
		5825	17.080	5816.480	5833.560	0.5	PASS
11N40SISO	Ant1	5755	36.000	5736.920	5772.920	0.5	PASS
		5795	36.240	5776.840	5813.080	0.5	PASS
11AC20SISO	Ant1	5745	17.080	5736.400	5753.480	0.5	PASS
		5785	17.240	5776.400	5793.640	0.5	PASS
		5825	17.280	5816.480	5833.760	0.5	PASS
11AC40SISO	Ant1	5755	36.160	5736.920	5773.080	0.5	PASS
		5795	36.000	5777.000	5813.000	0.5	PASS
11AC80SISO	Ant1	5775	75.360	5737.400	5812.760	0.5	PASS

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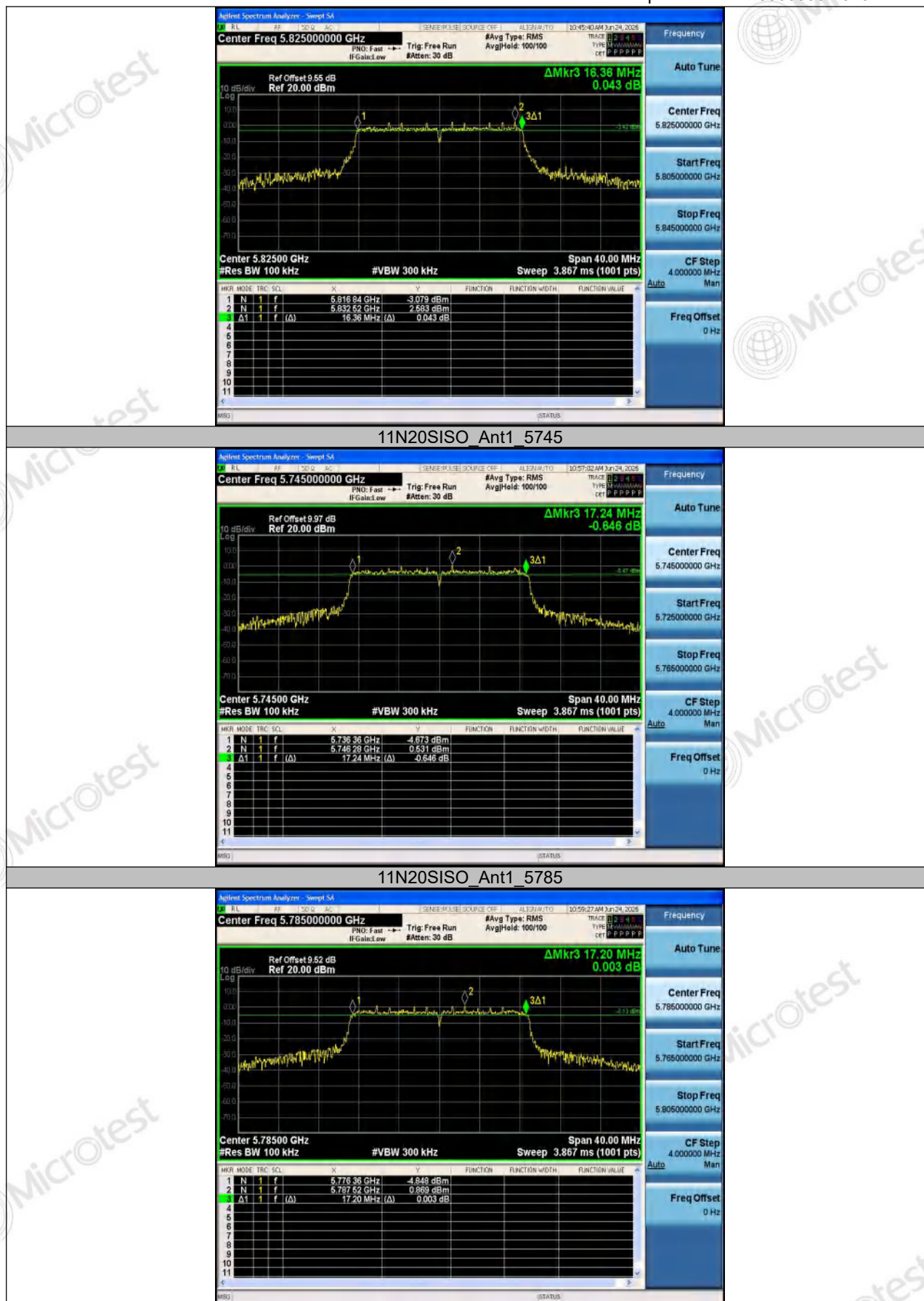
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Test Graphs



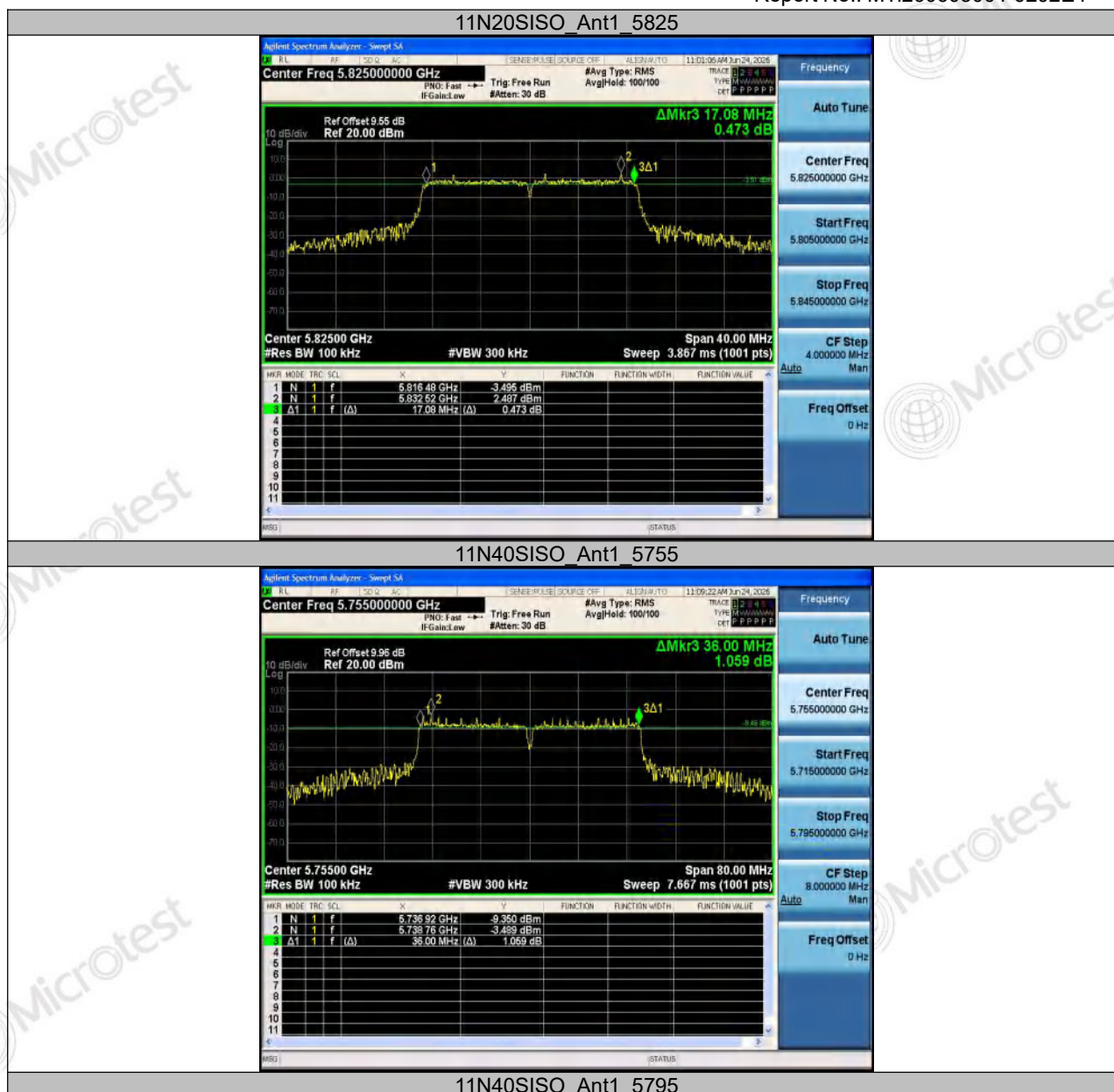
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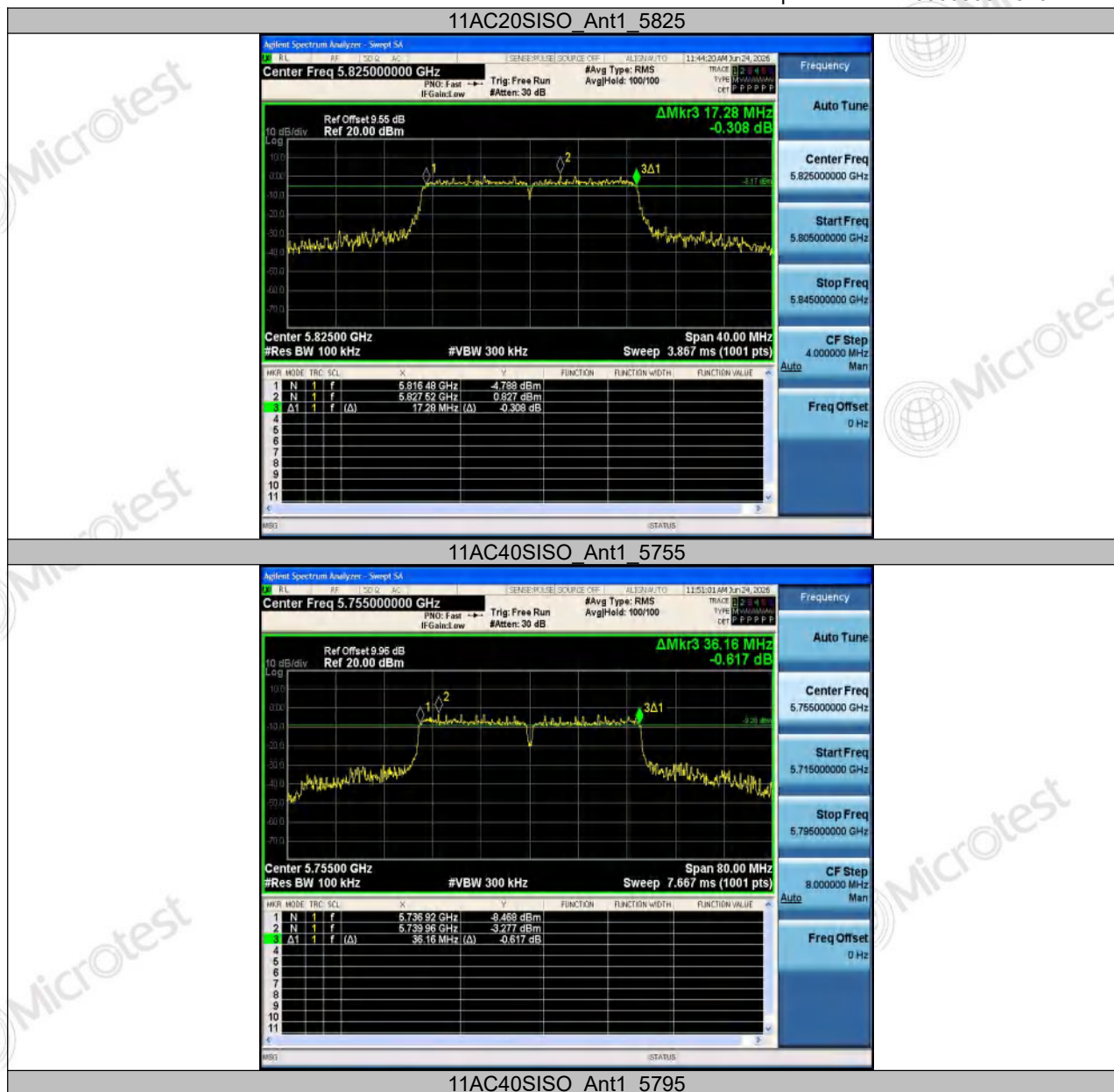


11AC20SISO Ant1 5785



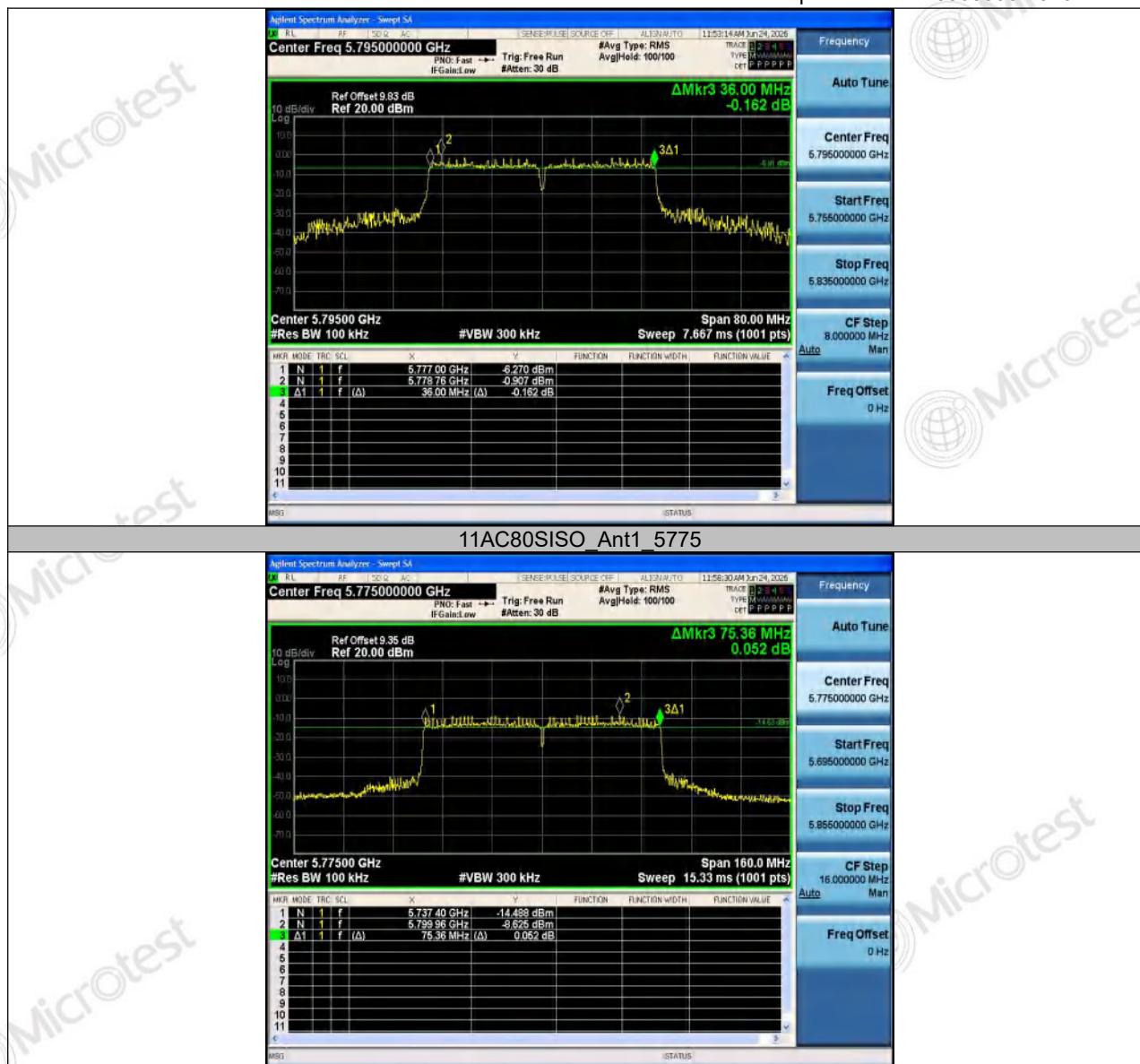
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Appendix D: Duty Cycle

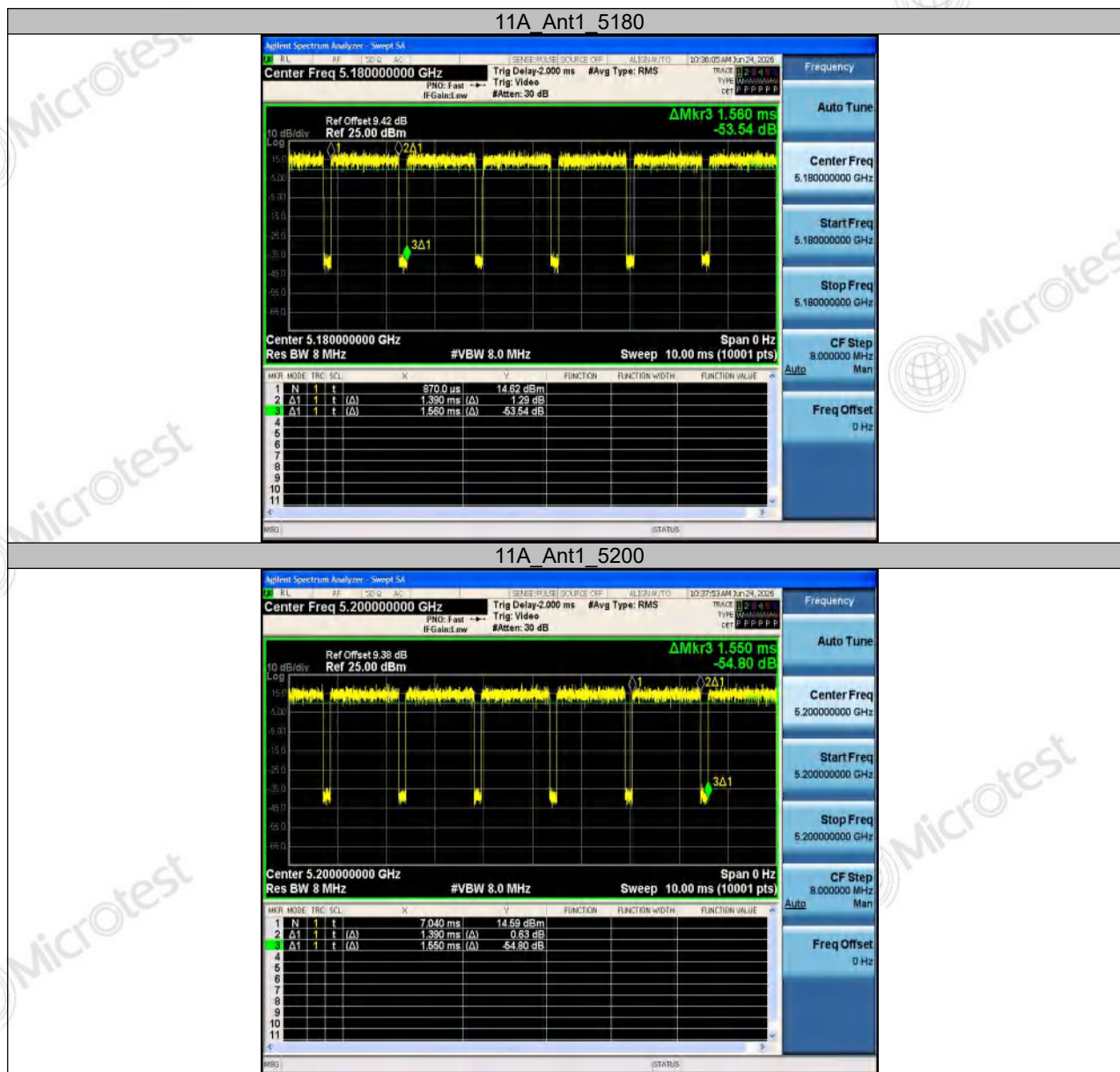
Test Result

Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	1.39	1.56	89.10
		5200	1.39	1.55	89.68
		5240	1.40	1.56	89.74
		5745	1.39	1.55	89.68
		5785	1.39	1.54	90.26
		5825	1.39	1.55	89.68
11N20SISO	Ant1	5180	1.18	1.34	88.06
		5200	1.18	1.34	88.06
		5240	1.18	1.34	88.06
		5745	1.17	1.33	87.97
		5785	1.17	1.34	87.31
		5825	1.18	1.34	88.06
11N40SISO	Ant1	5190	0.59	0.75	78.67
		5230	0.59	0.75	78.67
		5755	0.58	0.75	77.33
		5795	0.59	0.75	78.67
11AC20SISO	Ant1	5180	1.19	1.35	88.15
		5200	1.18	1.34	88.06
		5240	1.19	1.35	88.15
		5745	1.18	1.34	88.06
		5785	1.18	1.35	87.41
		5825	1.19	1.35	88.15
11AC40SISO	Ant1	5190	0.59	0.75	78.67
		5230	0.59	0.75	78.67
		5755	0.59	0.75	78.67
		5795	0.59	0.75	78.67
11AC80SISO	Ant1	5210	0.30	0.46	65.22
		5775	0.30	0.46	65.22

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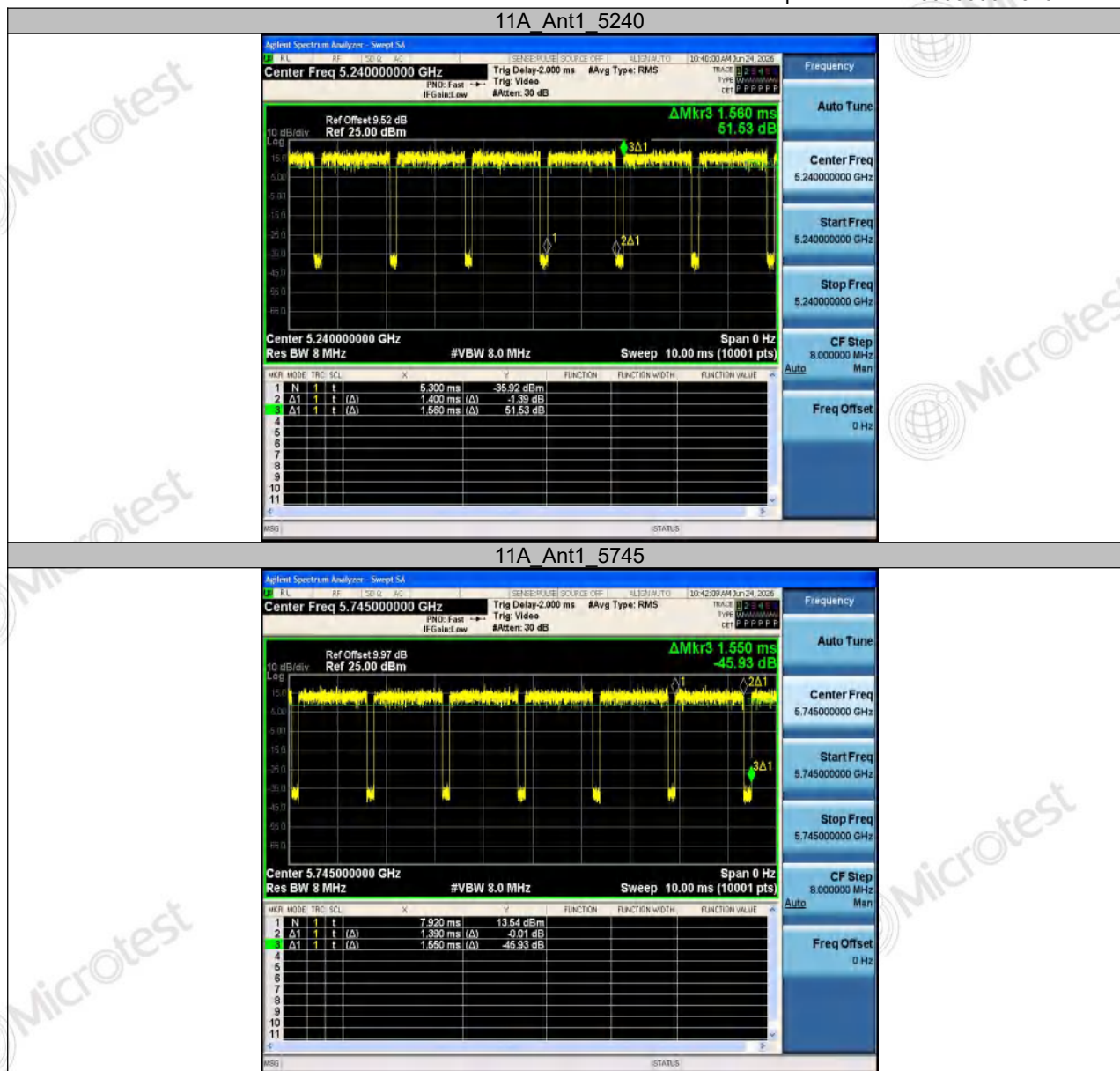
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Test Graphs



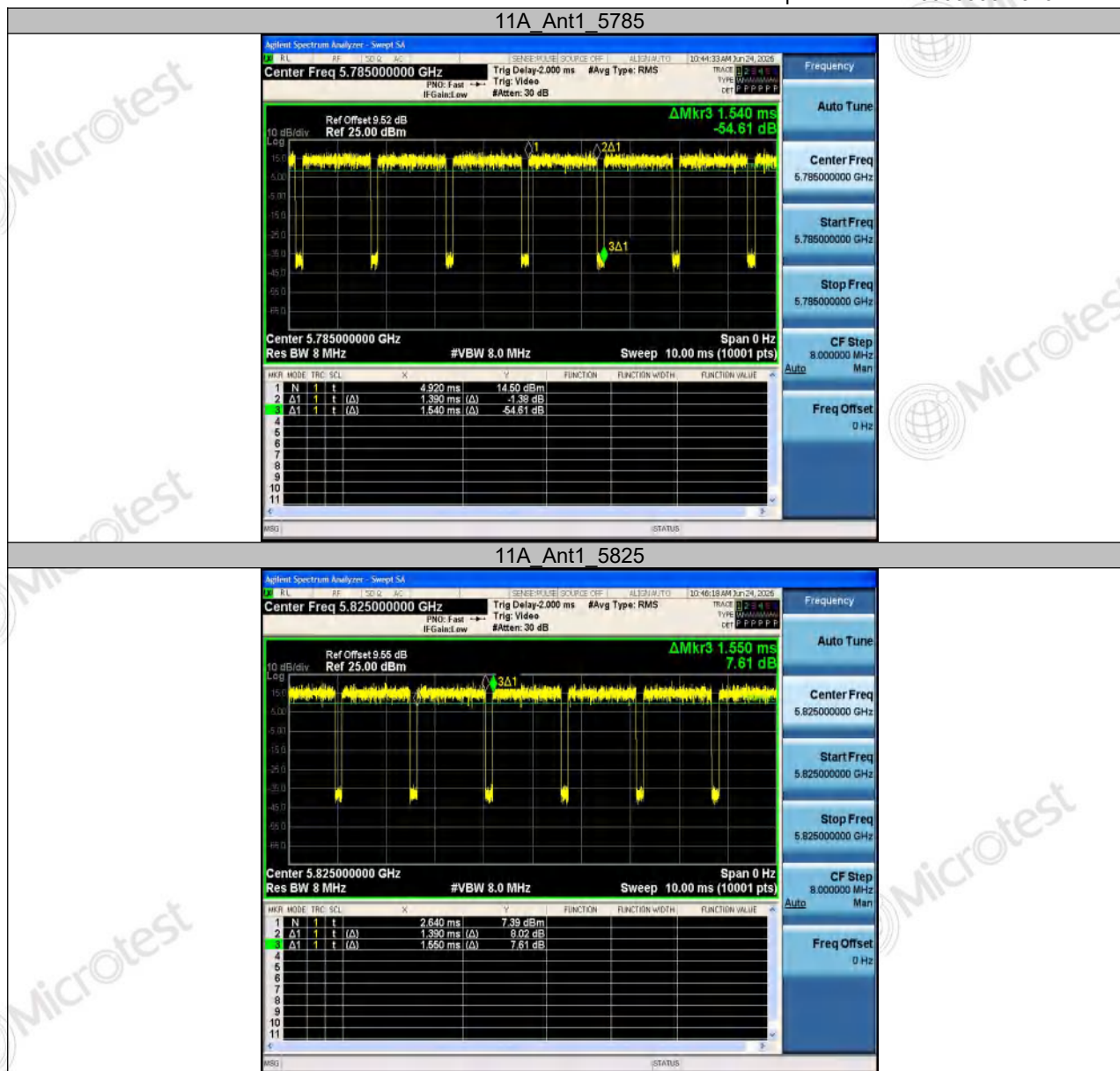
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TEST REPORT

Report No.: MTI260605004-0202E4



TEST REPORT

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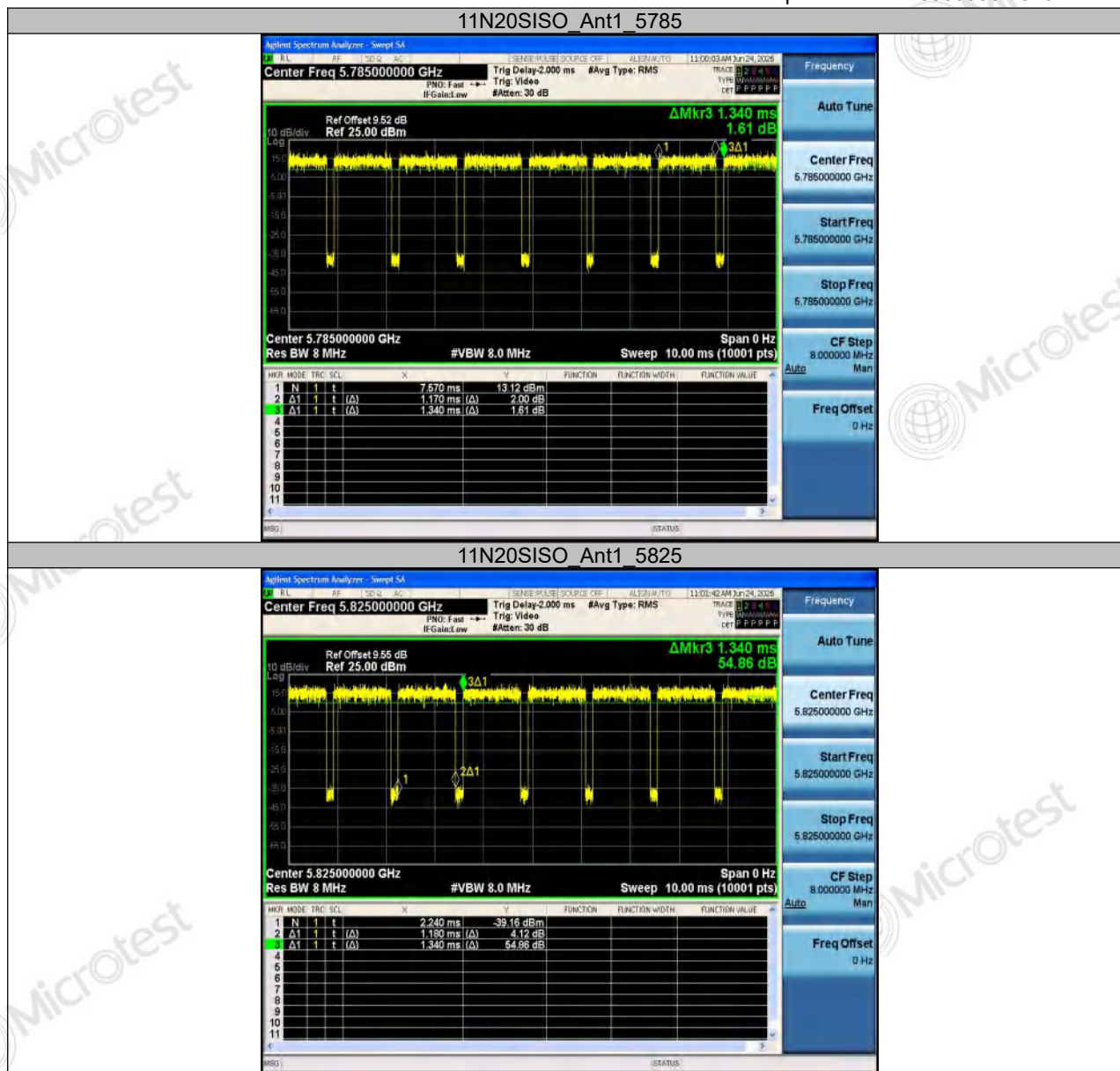
TEST REPORT

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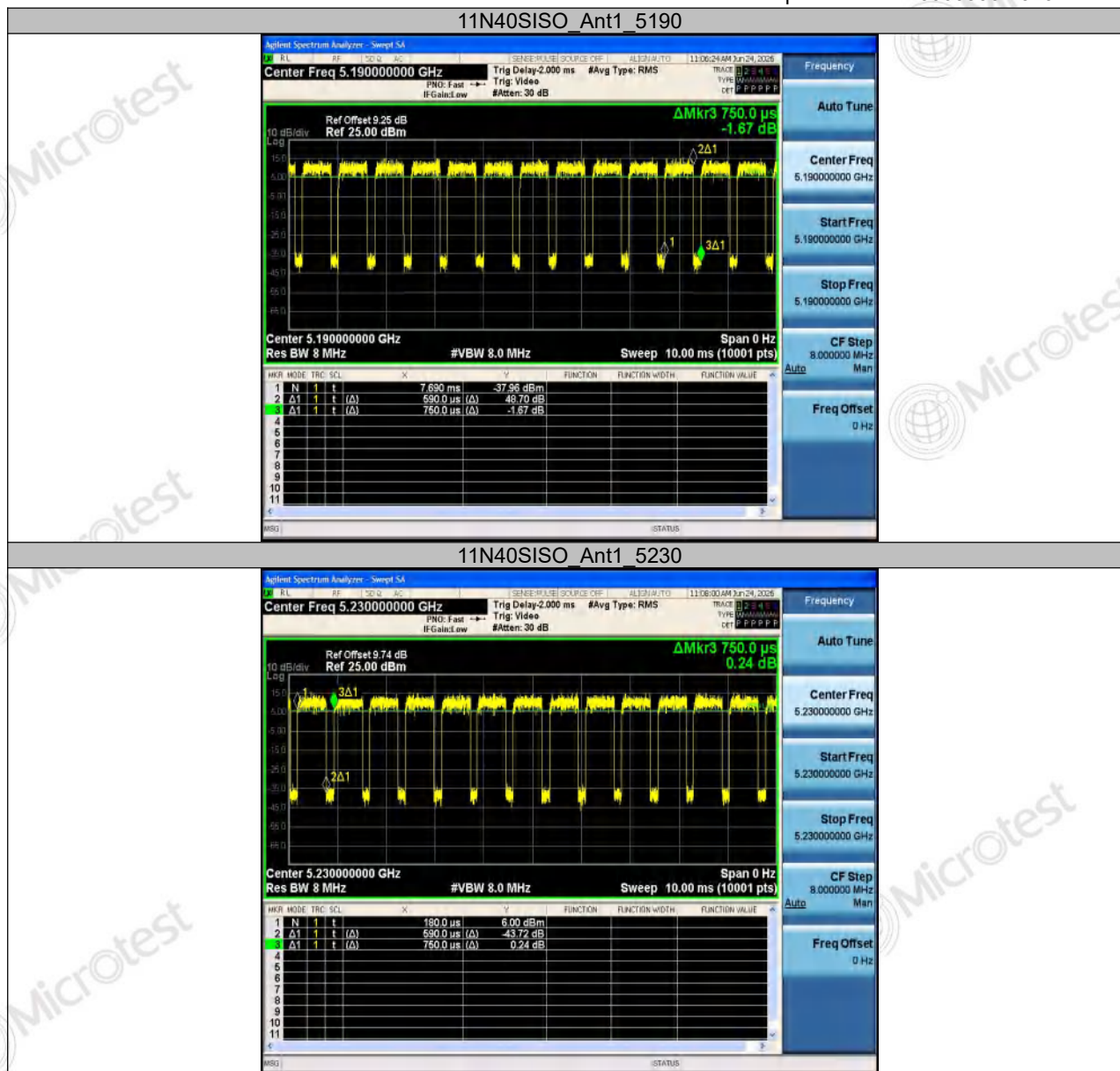
TEST REPORT

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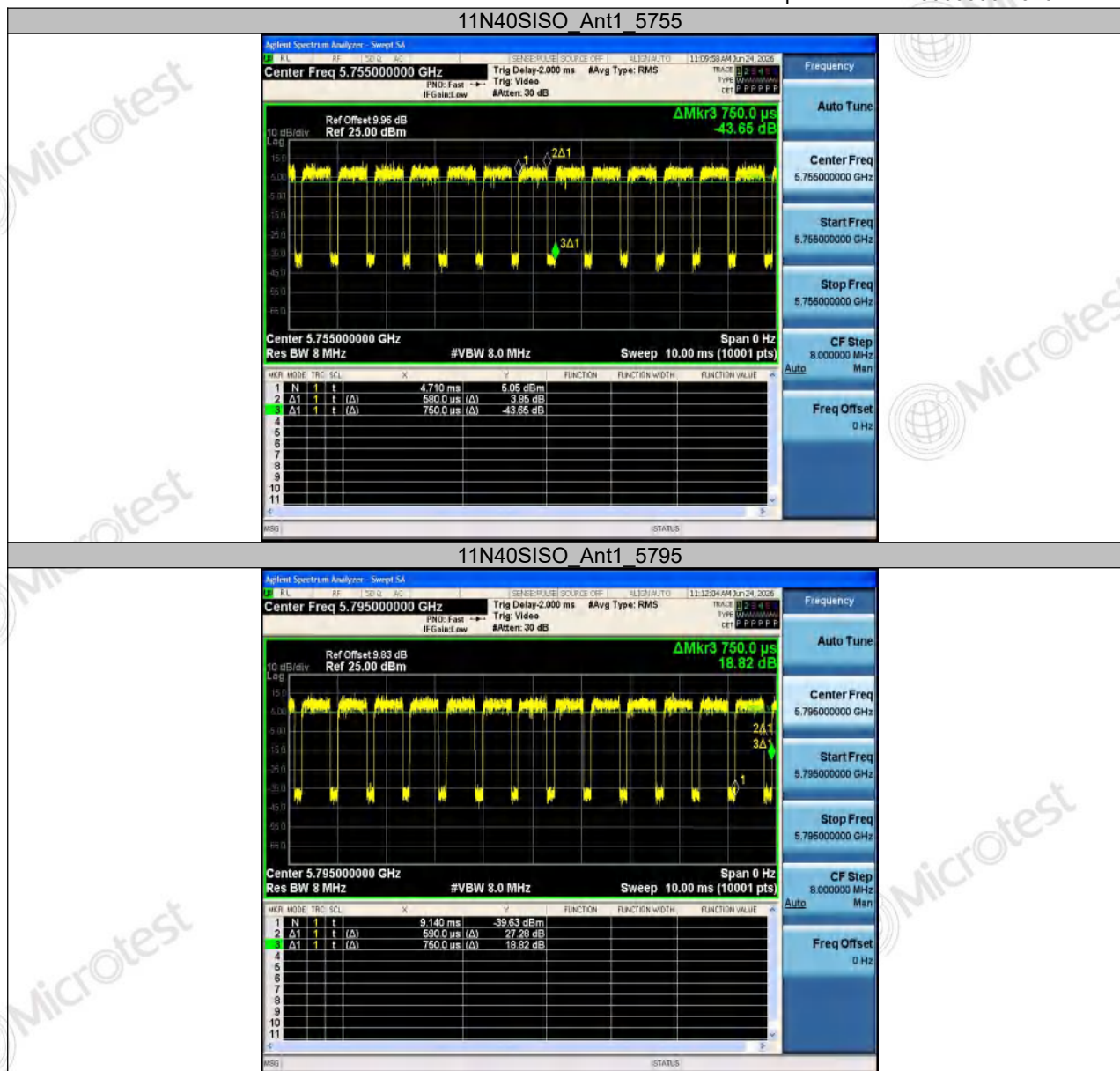
TEST REPORT

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TEST REPORT

Report No.: MTI260605004-0202E4



TEST REPORT

Report No.: MTI260605004-0202E4



TEST REPORT

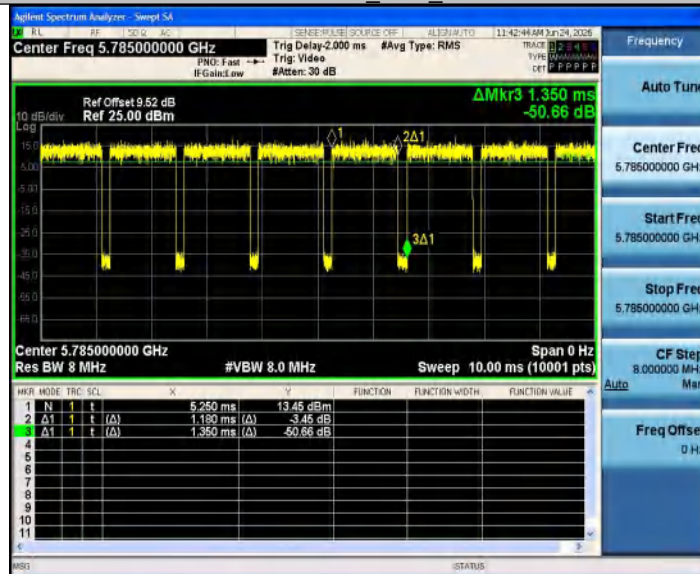
Report No.: MTI260605004-0202E4



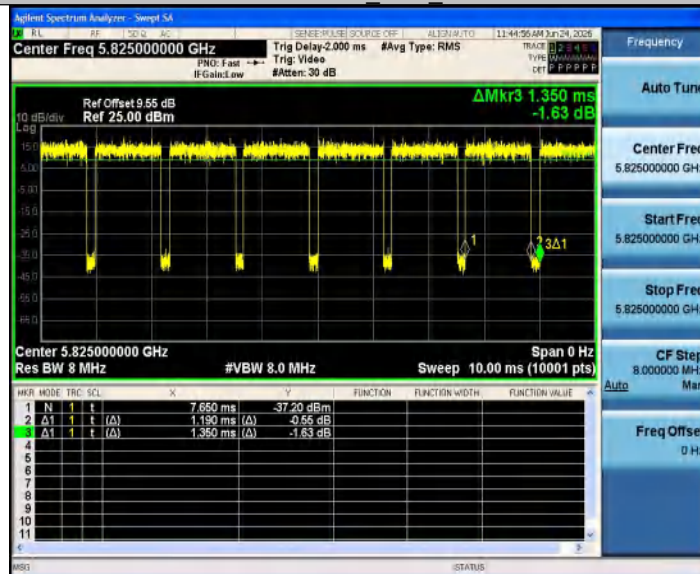
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11AC20SISO_Ant1_5785

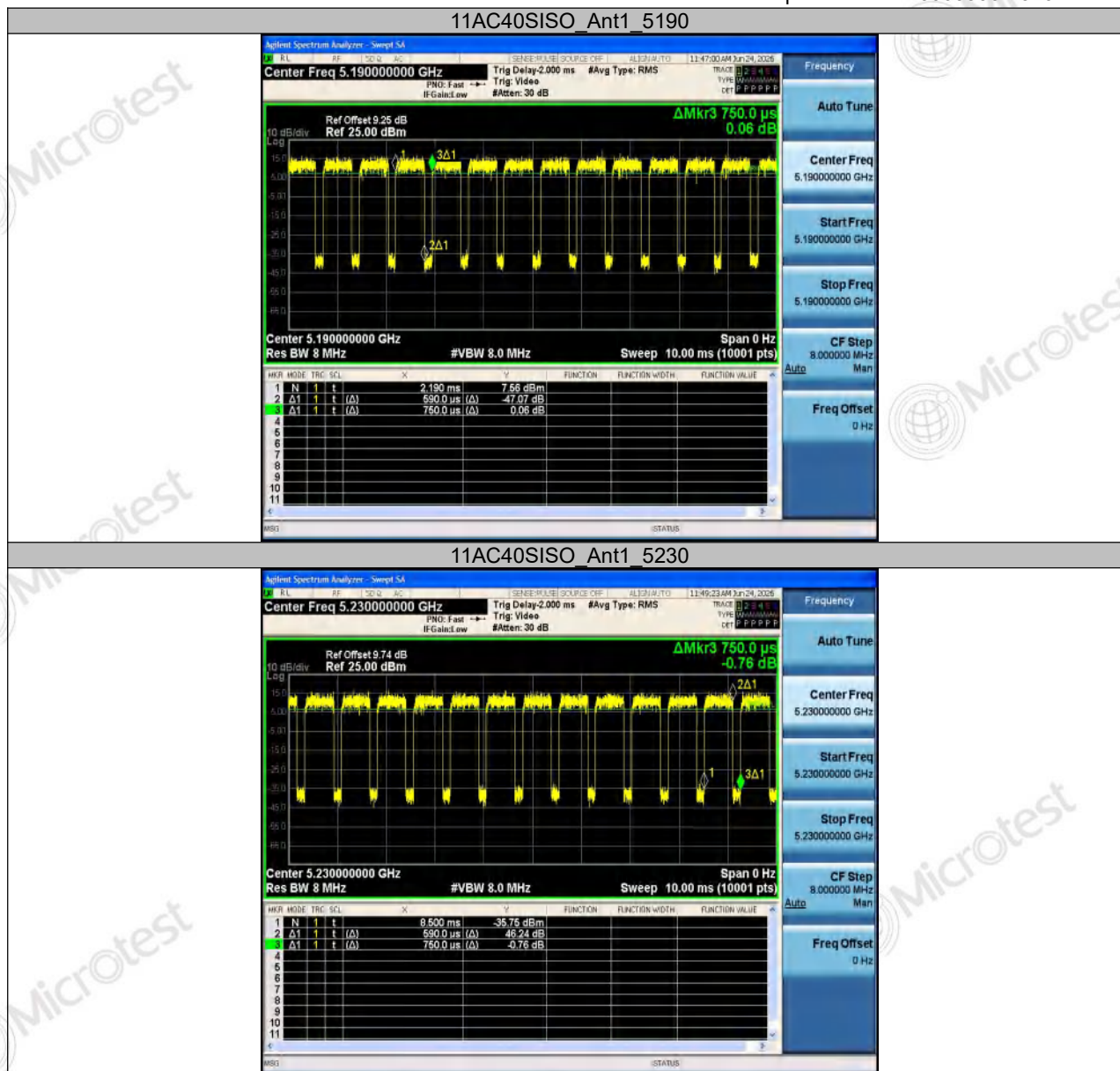


11AC20SISO_Ant1_5825



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TEST REPORT

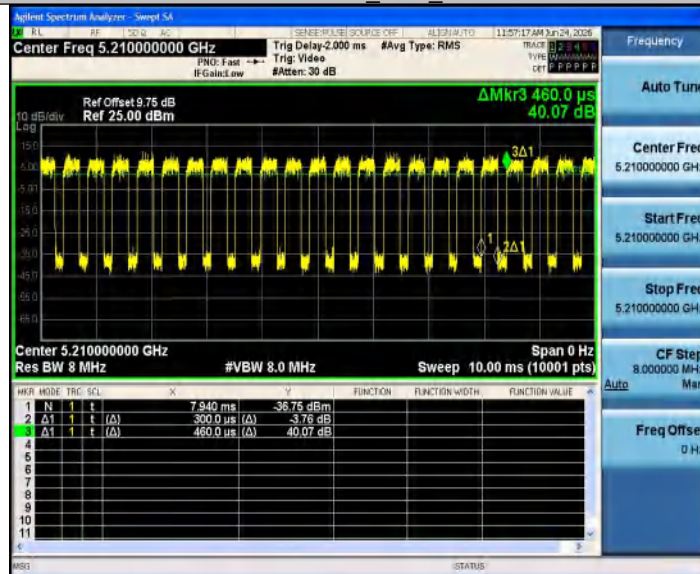
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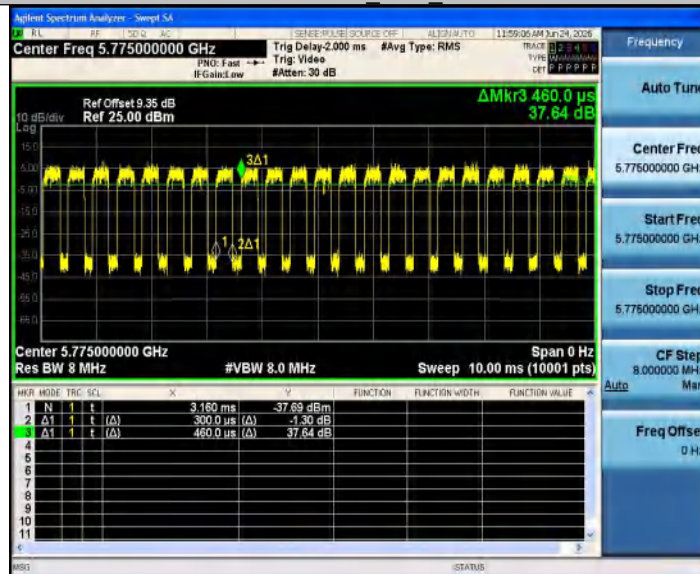
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11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775



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Appendix E: Maximum conducted output power

Test Result Channel Power

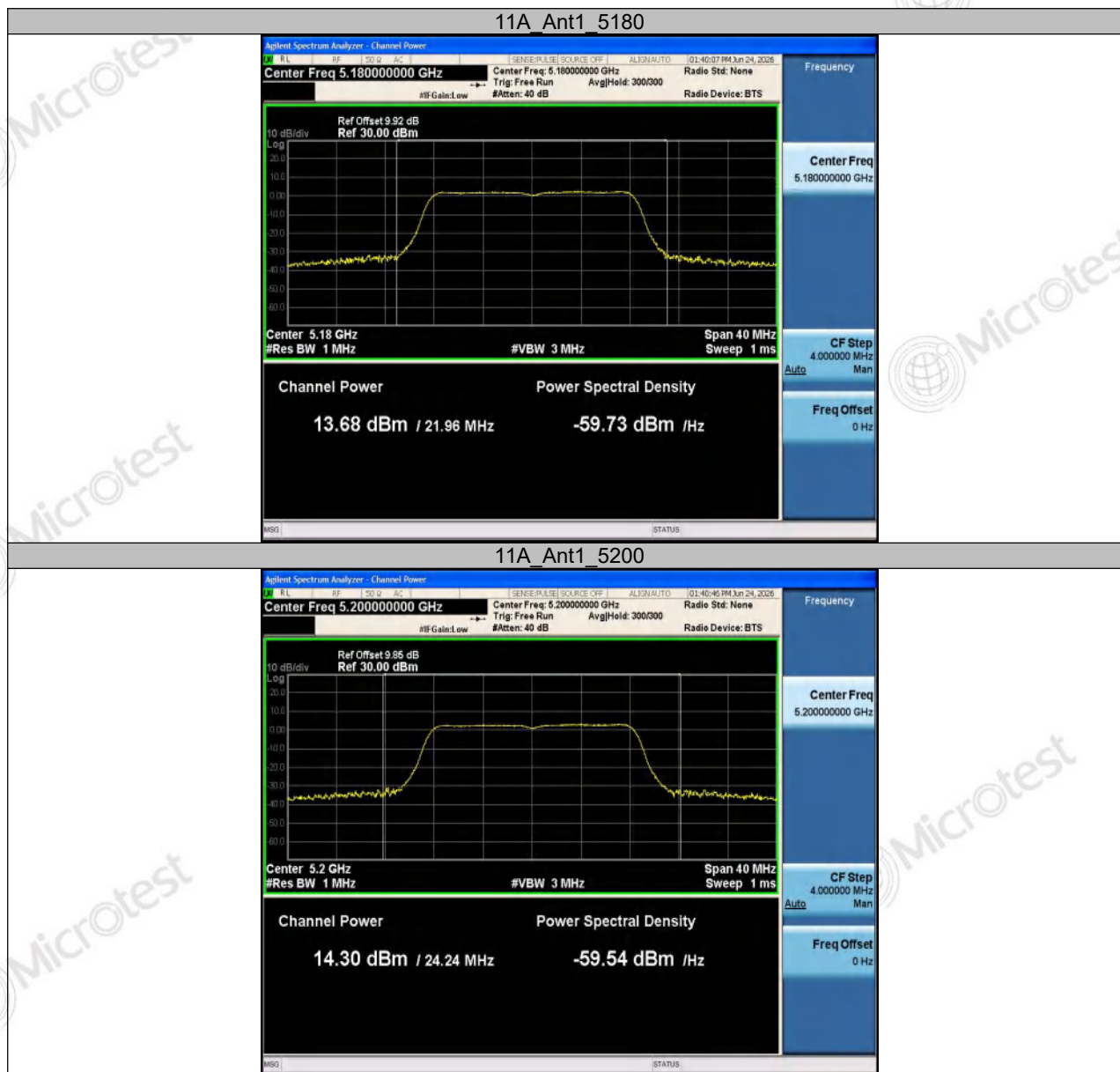
Test Mode	Antenna	Frequency [MHz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	EIRP [dBm]	Verdict
11A	Ant1	5180	13.68	89.10	0.50	13.68	≤23.98	17.14	PASS
		5200	14.30	89.68	0.47	14.30	≤23.98	17.76	PASS
		5240	14.51	89.74	0.47	14.51	≤23.98	17.97	PASS
		5745	12.58	89.68	0.47	12.58	≤30.00	16.04	PASS
		5785	12.12	90.26	0.45	12.12	≤30.00	15.58	PASS
		5825	13.30	89.68	0.47	13.30	≤30.00	16.76	PASS
11N20SISO	Ant1	5180	13.63	88.06	0.55	13.63	≤23.98	17.09	PASS
		5200	13.38	88.06	0.55	13.38	≤23.98	16.84	PASS
		5240	13.44	88.06	0.55	13.44	≤23.98	16.90	PASS
		5745	12.68	87.97	0.56	12.68	≤30.00	16.14	PASS
		5785	12.35	87.31	0.59	12.35	≤30.00	15.81	PASS
		5825	13.23	88.06	0.55	13.23	≤30.00	16.69	PASS
11N40SISO	Ant1	5190	11.95	78.67	1.04	11.95	≤23.98	15.41	PASS
		5230	12.50	78.67	1.04	12.50	≤23.98	15.96	PASS
		5755	11.12	77.33	1.12	11.12	≤30.00	14.58	PASS
		5795	11.10	78.67	1.04	11.10	≤30.00	14.56	PASS
11AC20SISO	Ant1	5180	14.82	88.15	0.55	14.82	≤23.98	18.28	PASS
		5200	14.32	88.06	0.55	14.32	≤23.98	17.78	PASS
		5240	14.39	88.15	0.55	14.39	≤23.98	17.85	PASS
		5745	11.53	88.06	0.55	11.53	≤30.00	14.99	PASS
		5785	11.06	87.41	0.58	11.06	≤30.00	14.52	PASS
		5825	12.38	88.15	0.55	12.38	≤30.00	15.84	PASS
11AC40SISO	Ant1	5190	12.94	78.67	1.04	12.94	≤23.98	16.40	PASS
		5230	13.54	78.67	1.04	13.54	≤23.98	17.00	PASS
		5755	12.57	78.67	1.04	12.57	≤30.00	16.03	PASS
		5795	13.30	78.67	1.04	13.30	≤30.00	16.76	PASS
11AC80SISO	Ant1	5210	12.06	65.22	1.86	12.06	≤23.98	15.52	PASS
		5775	11.91	65.22	1.86	11.91	≤30.00	15.37	PASS

Note: The Duty Cycle Factor is compensated in the graph.

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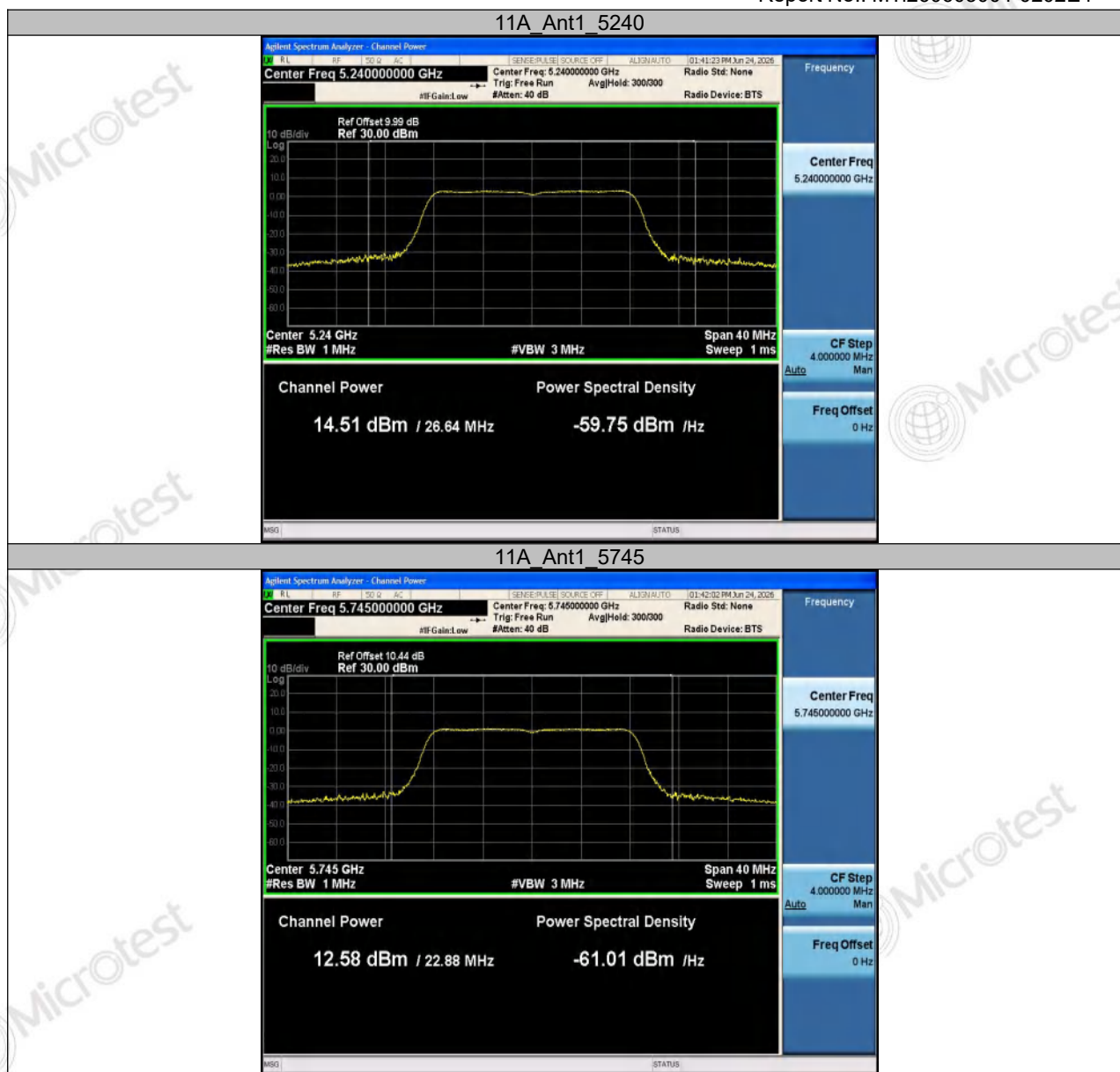
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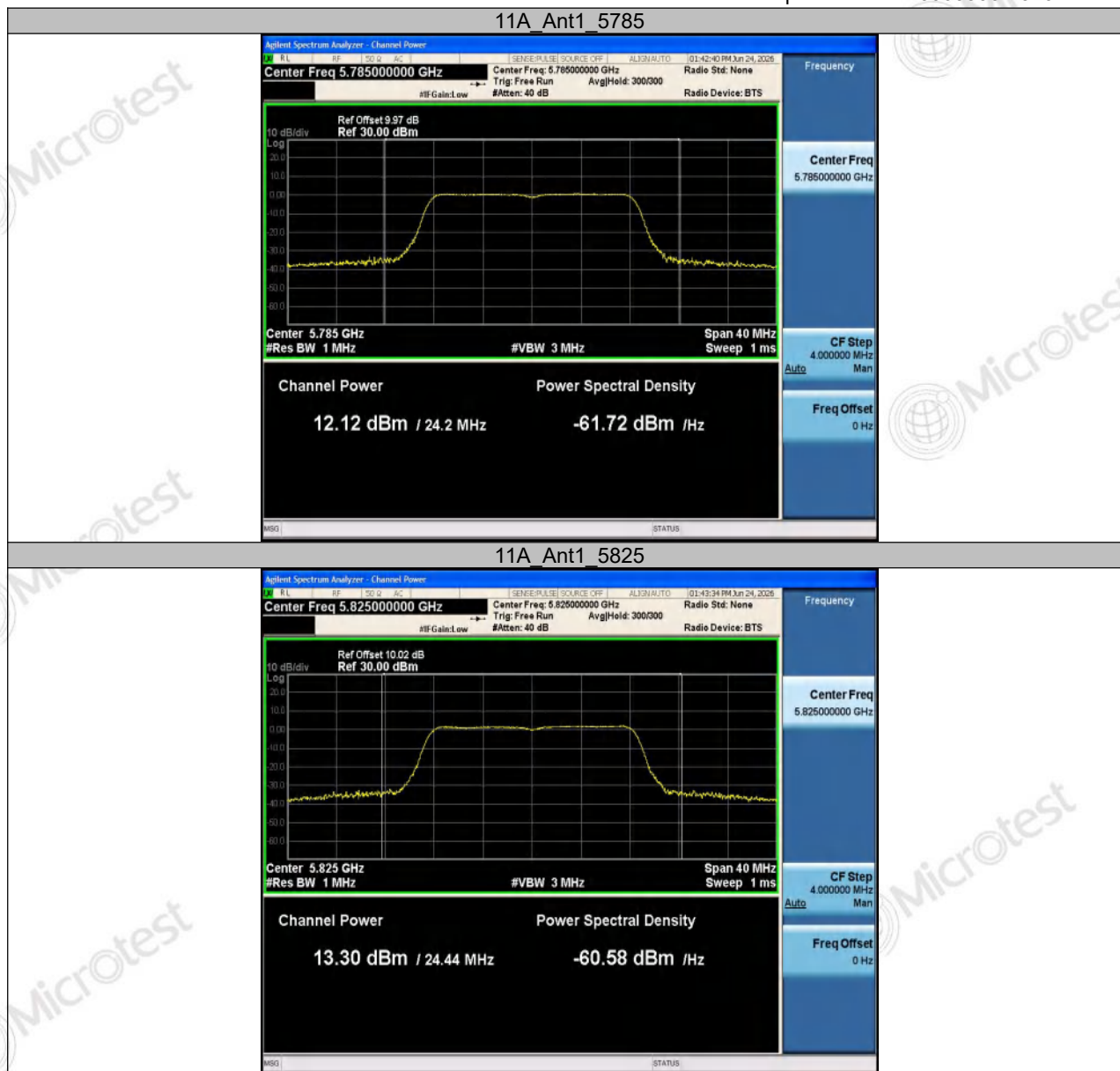
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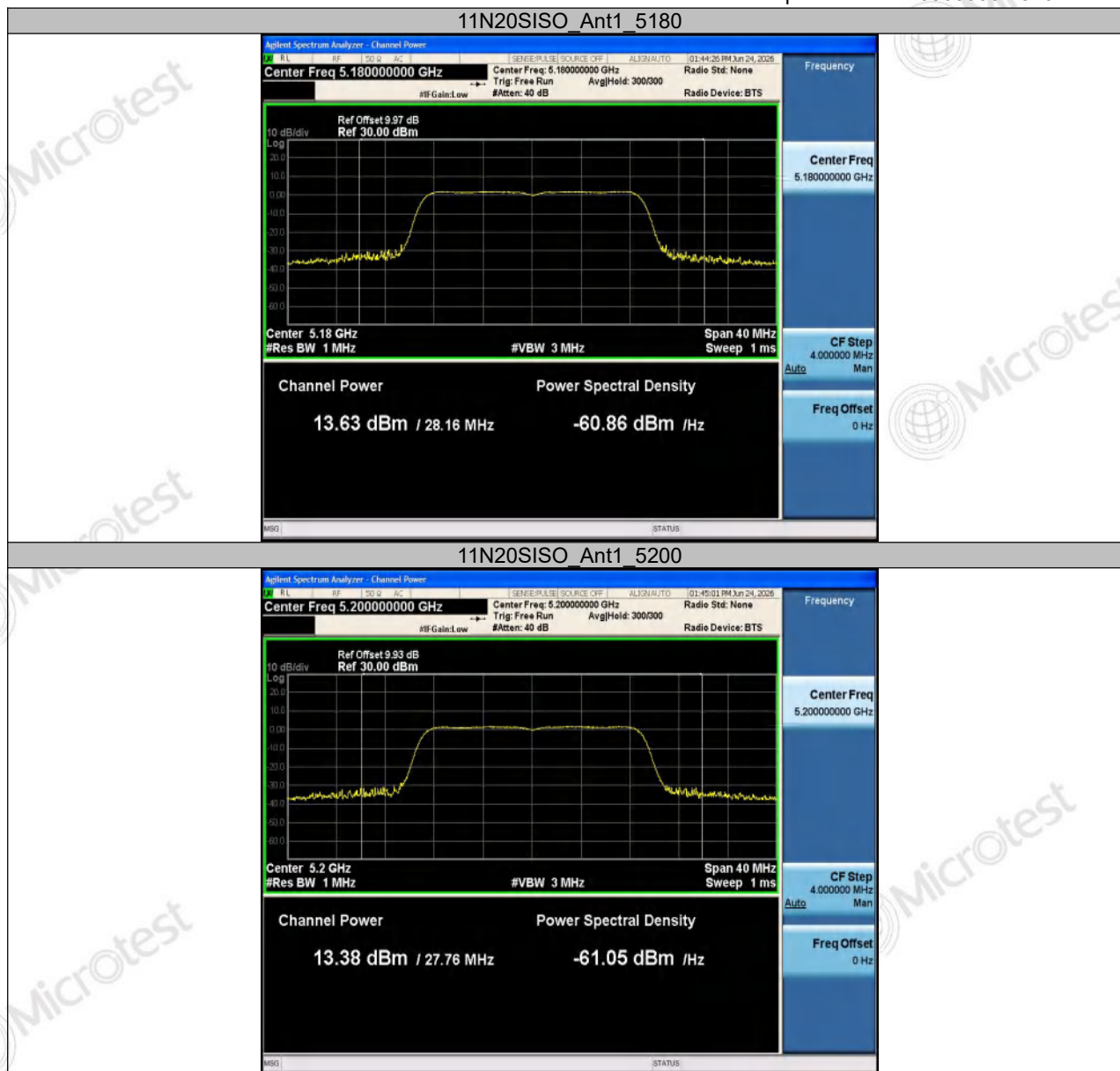
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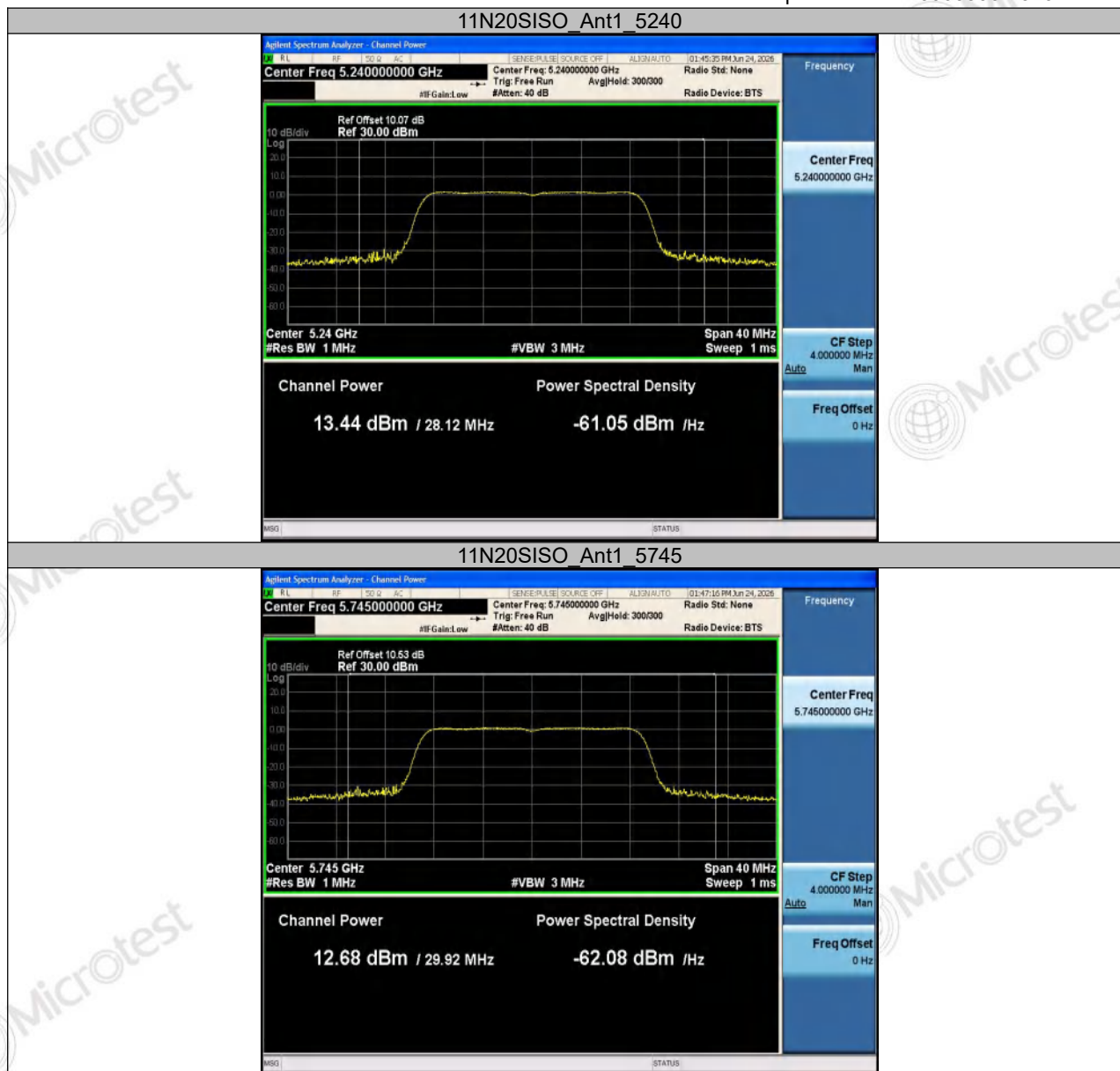
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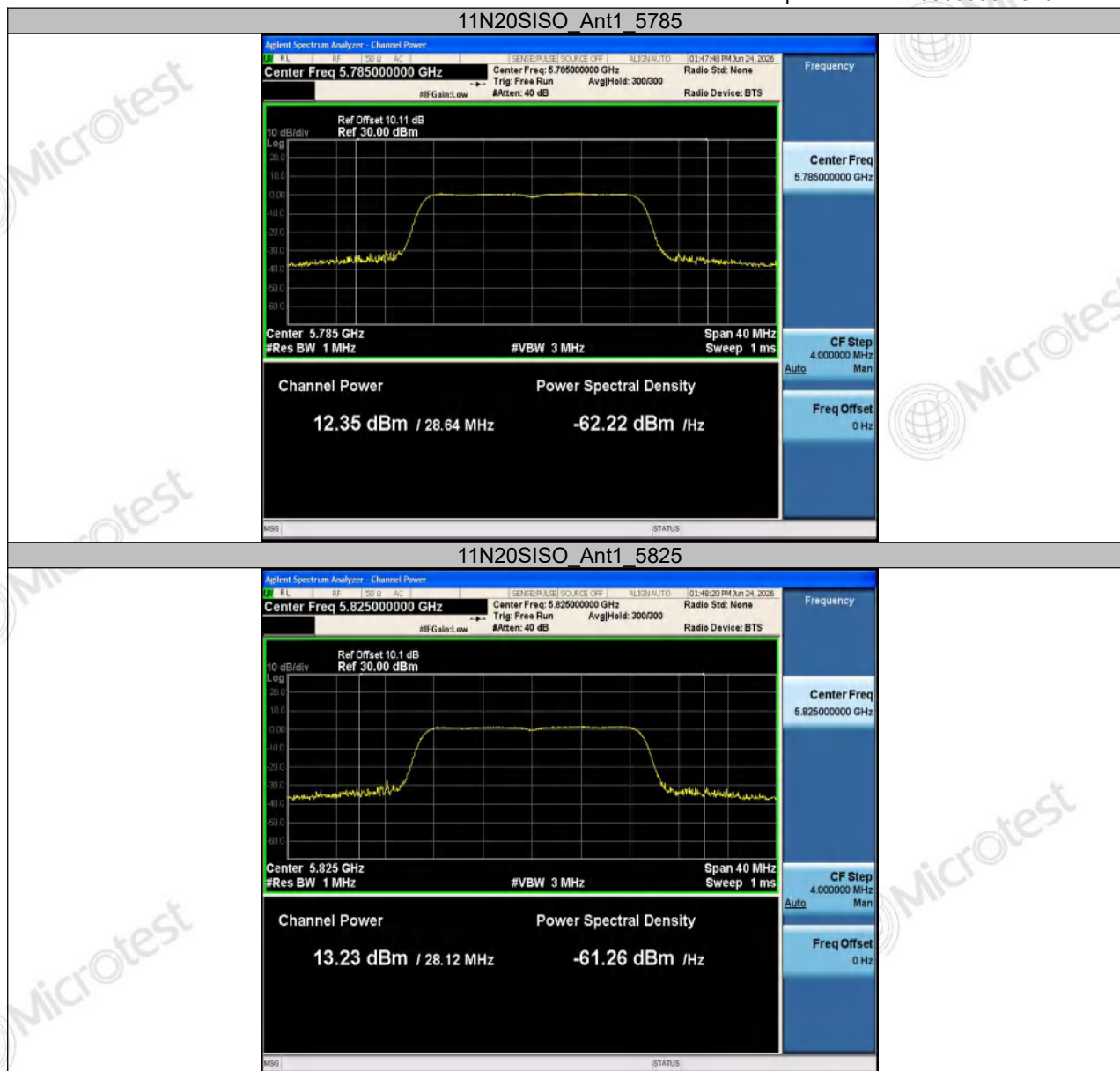
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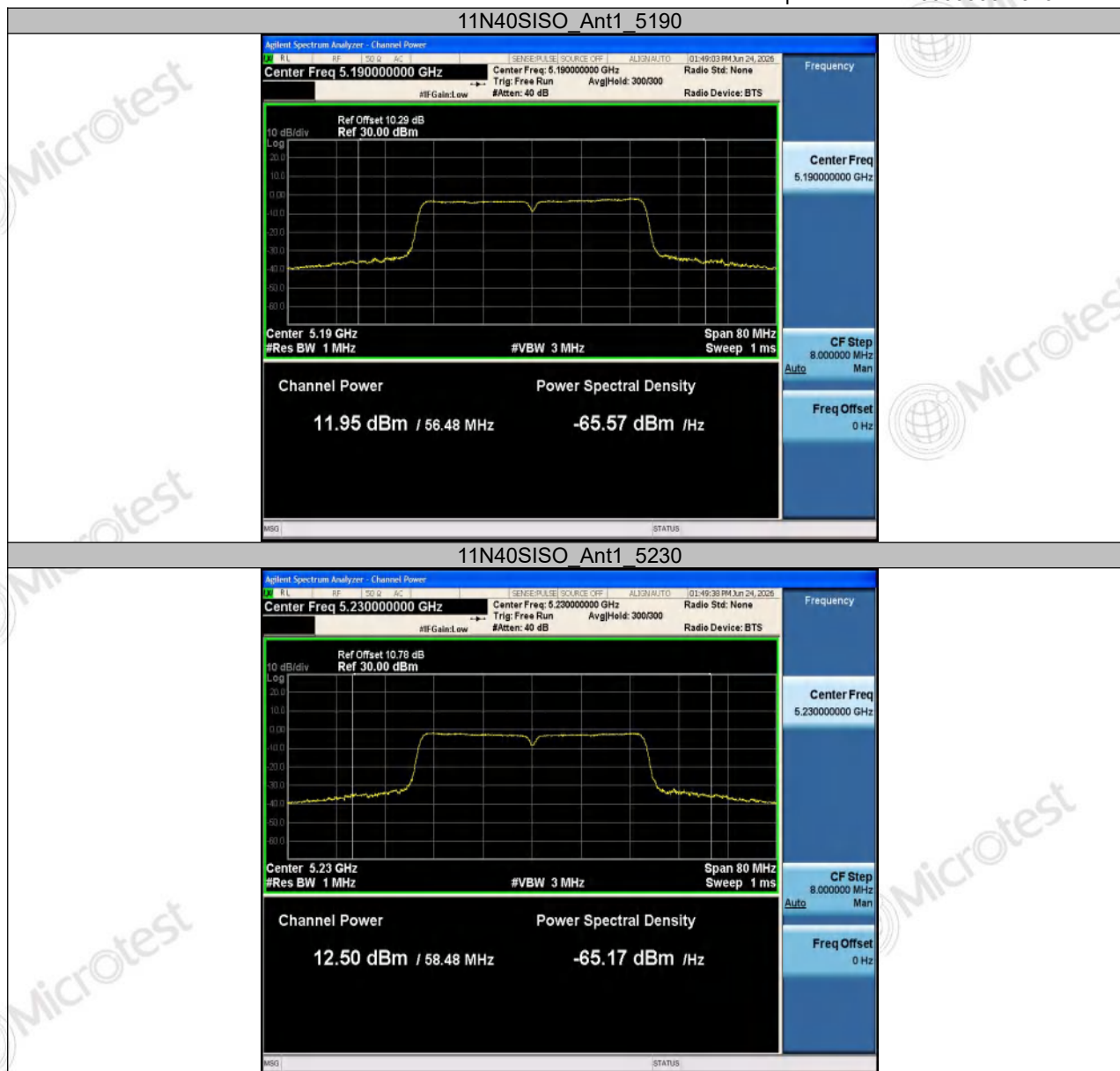
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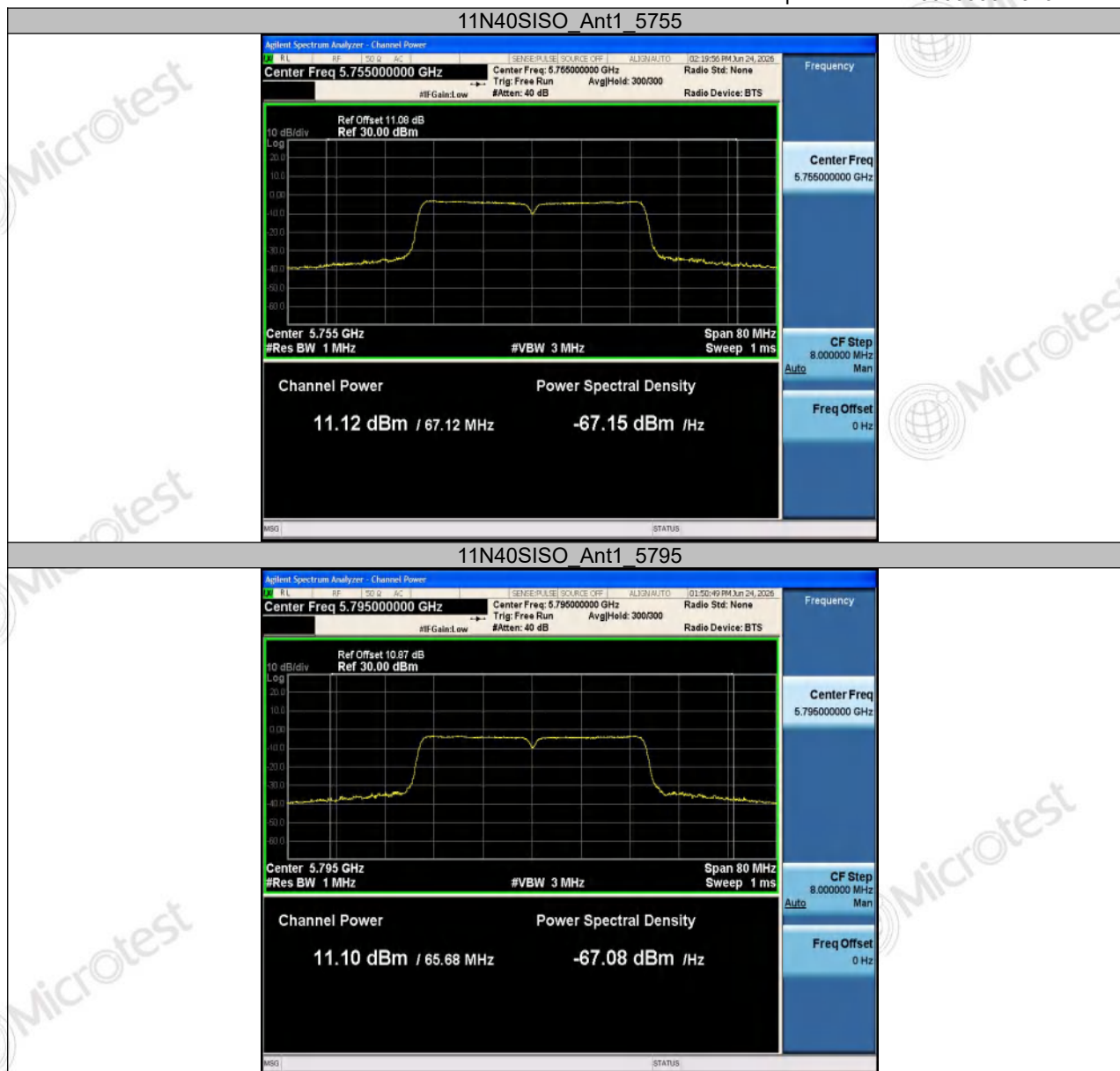
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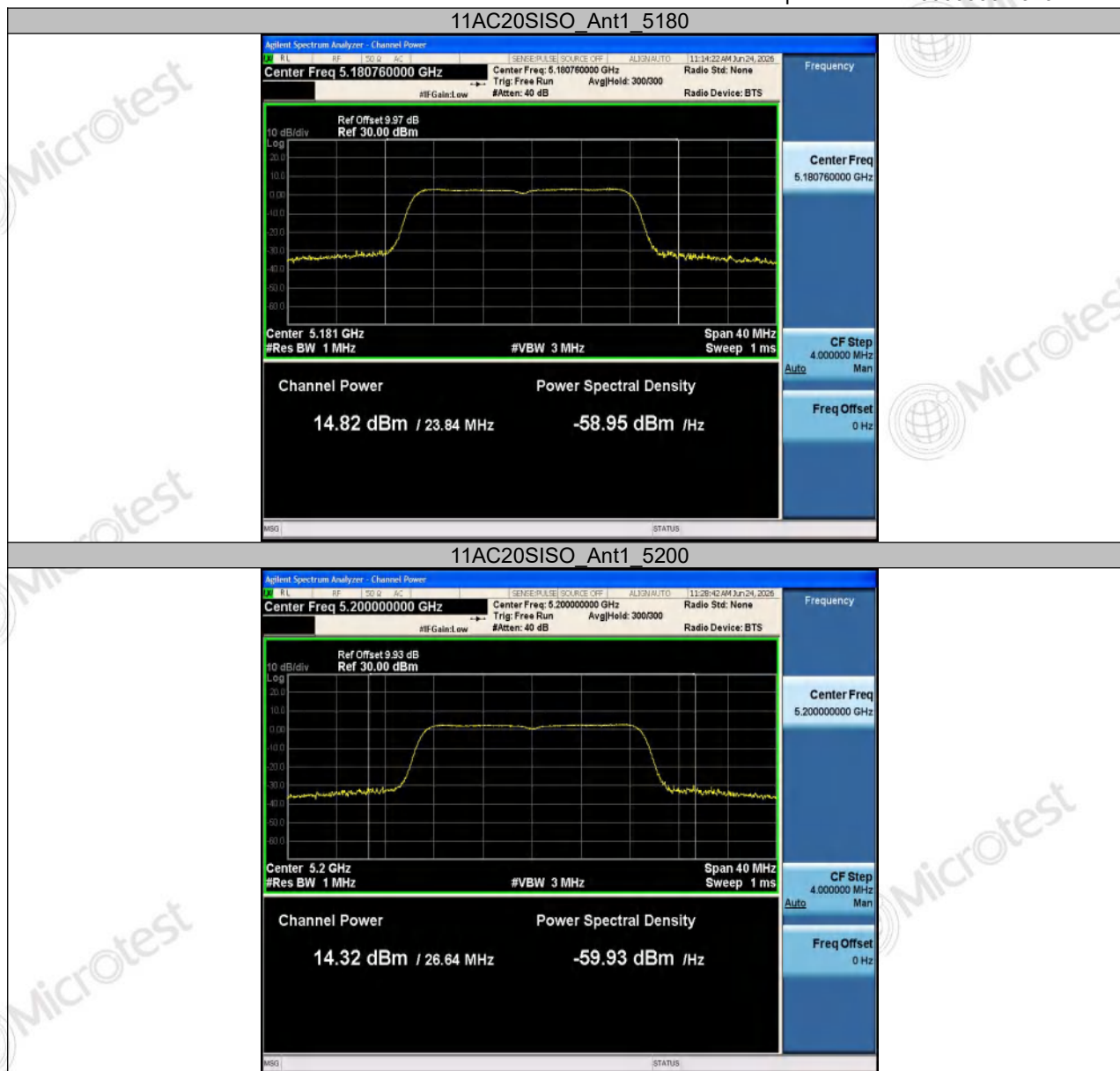
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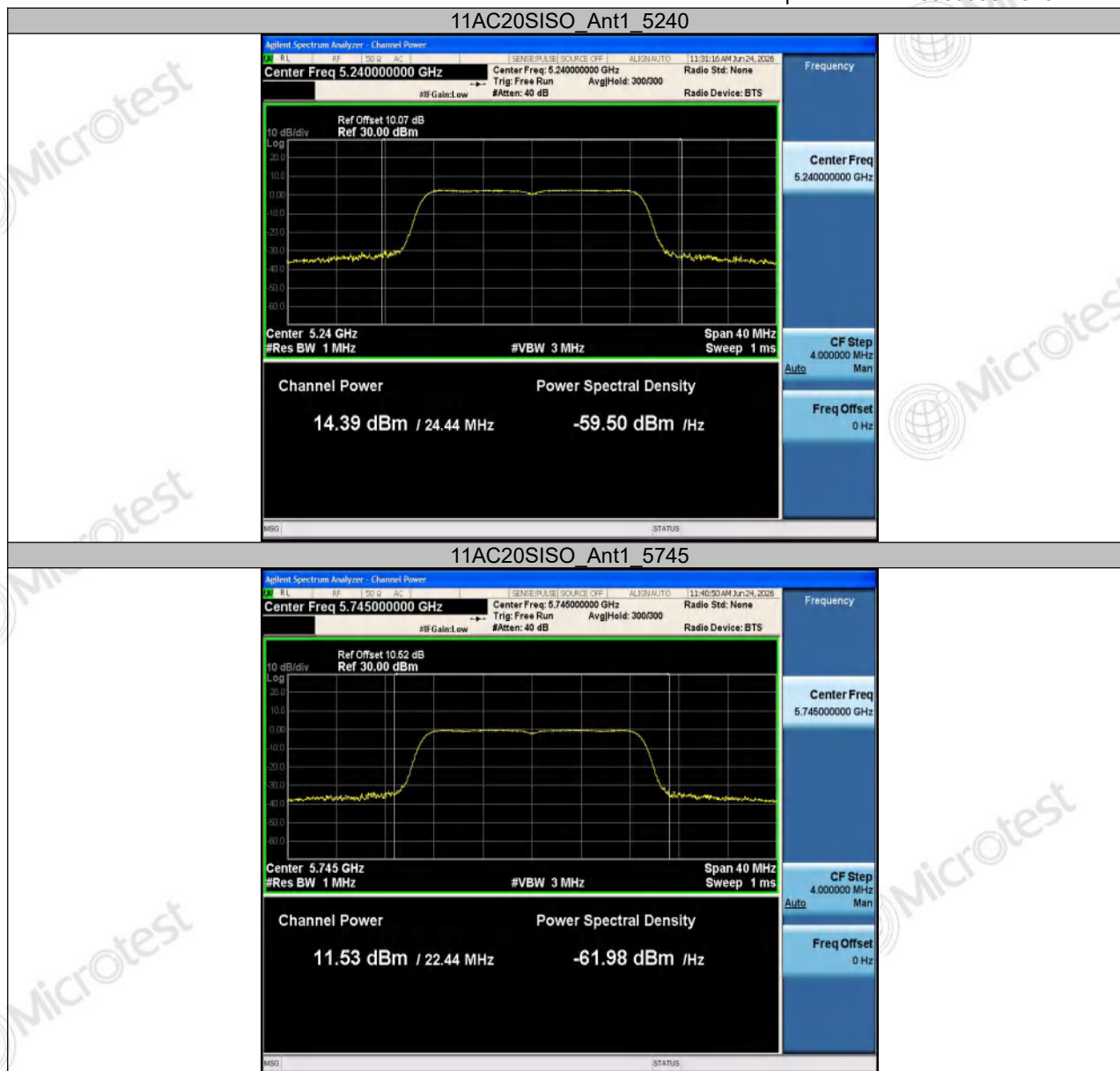
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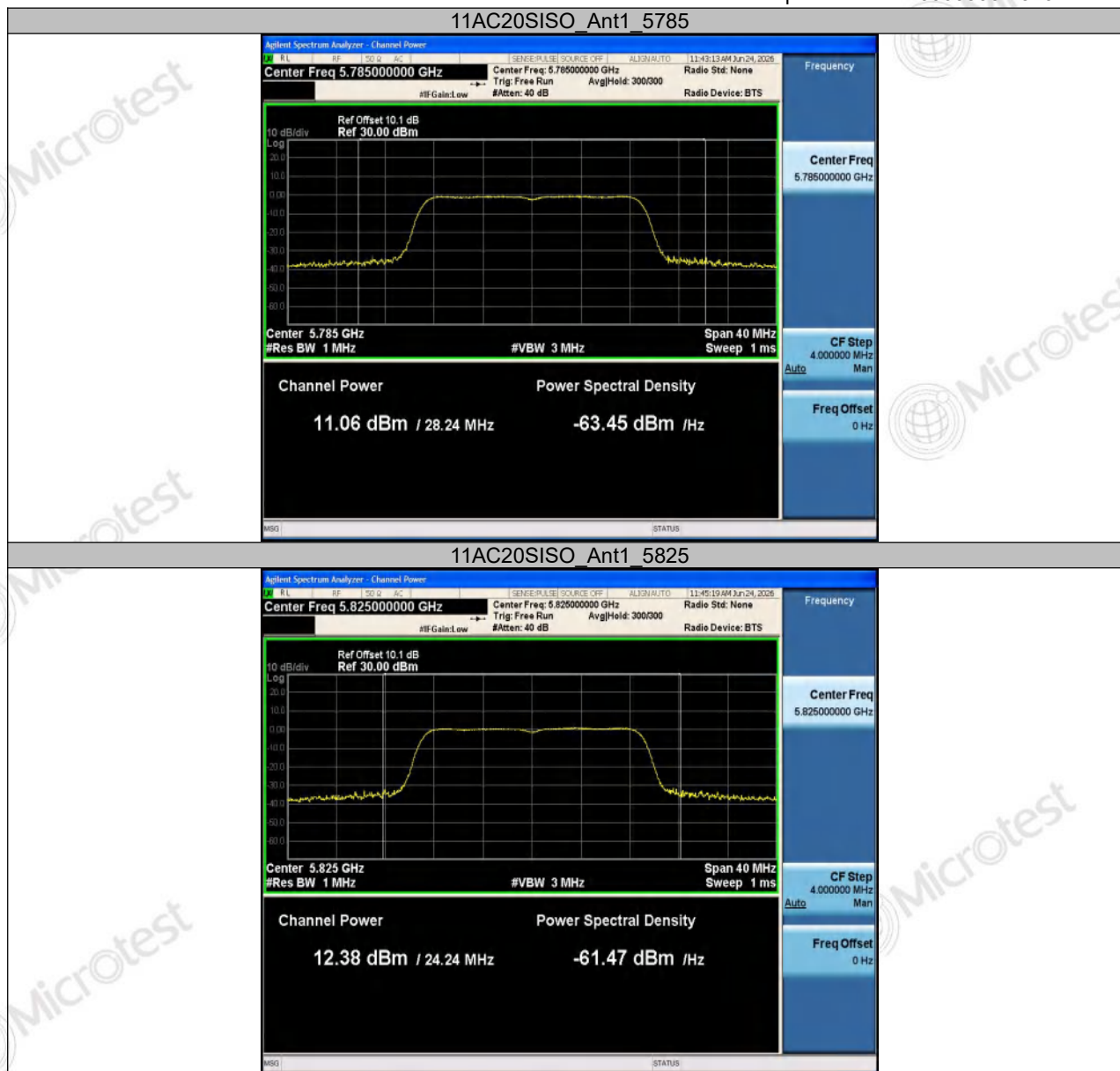
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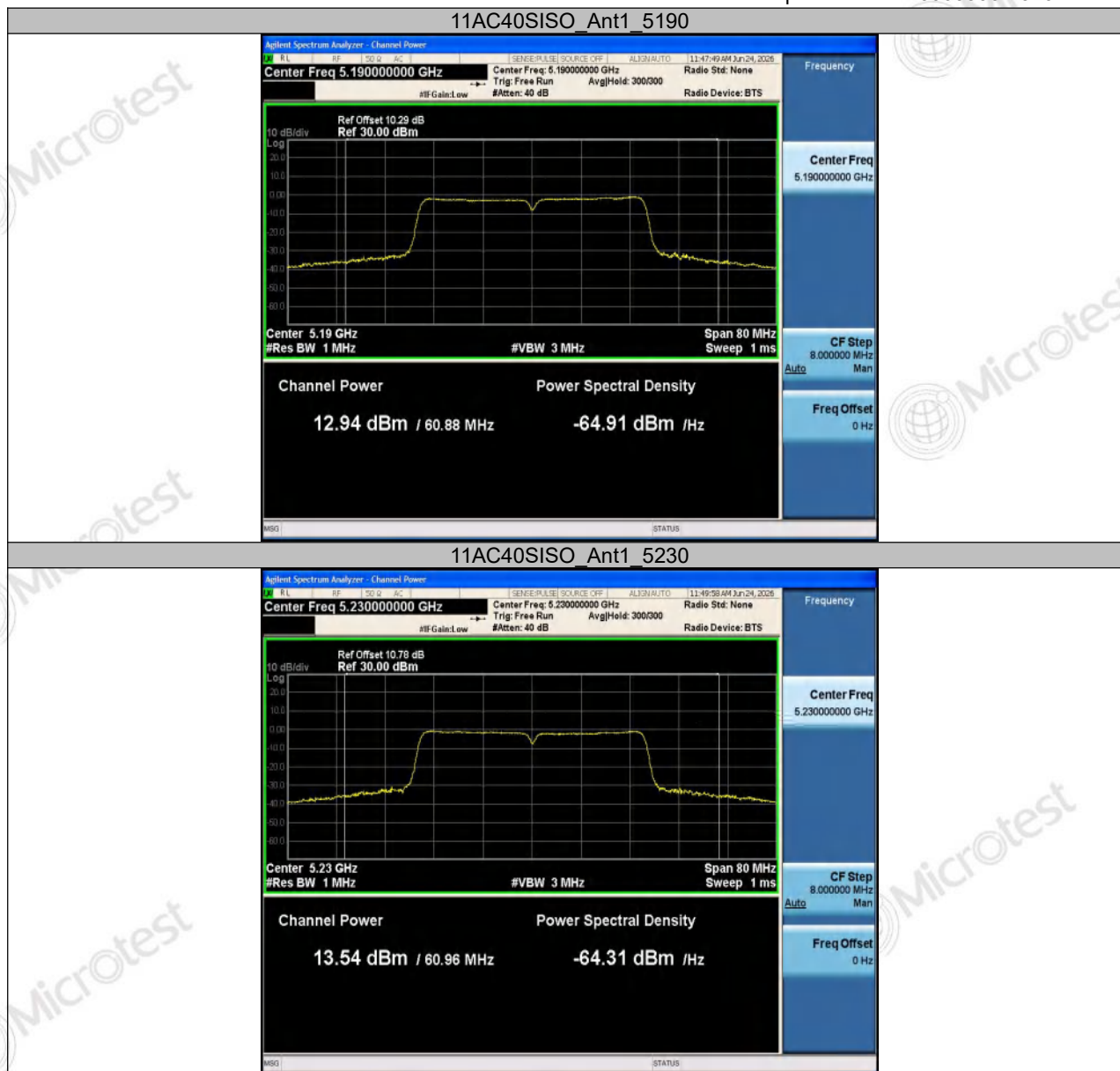
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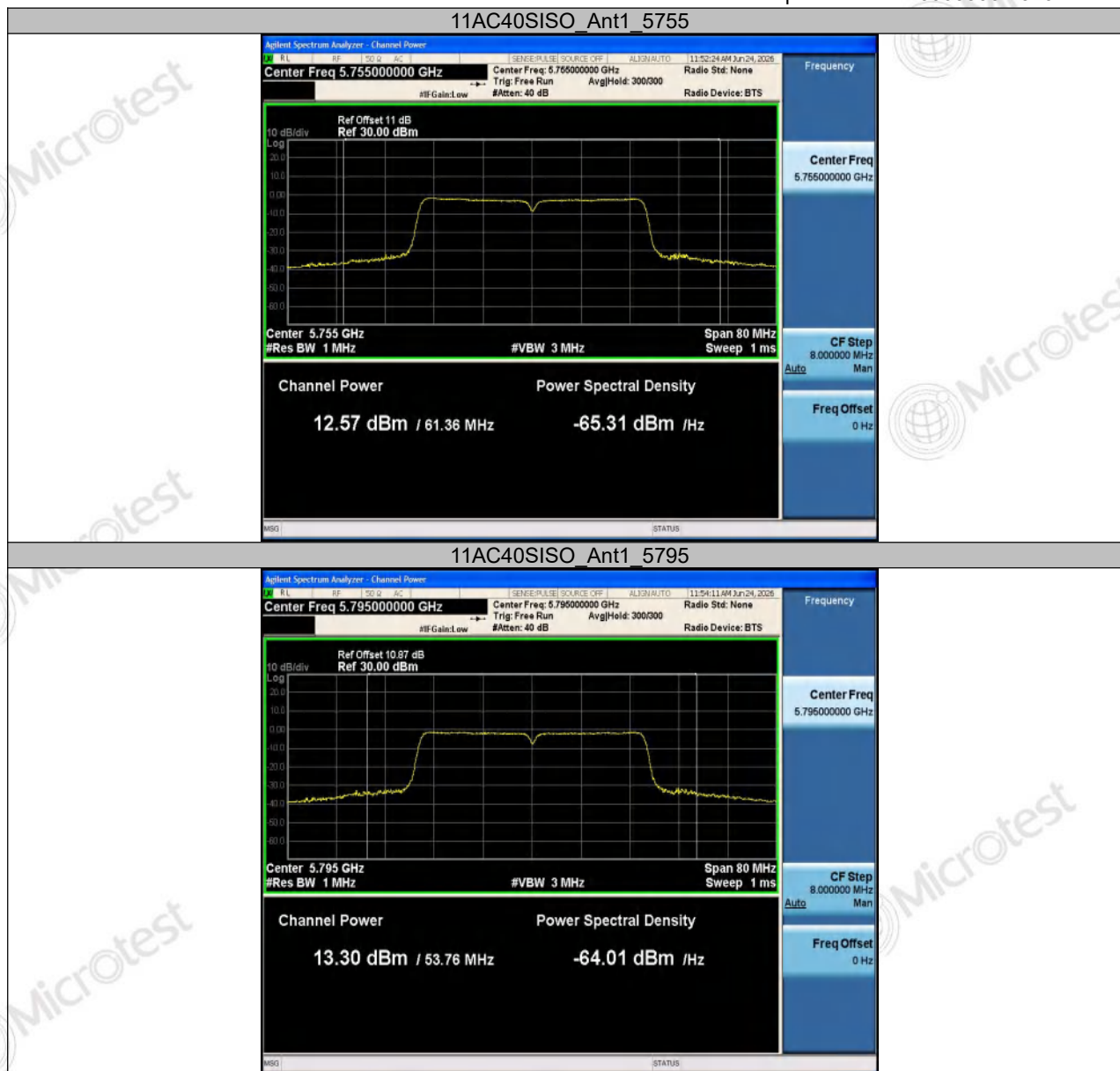
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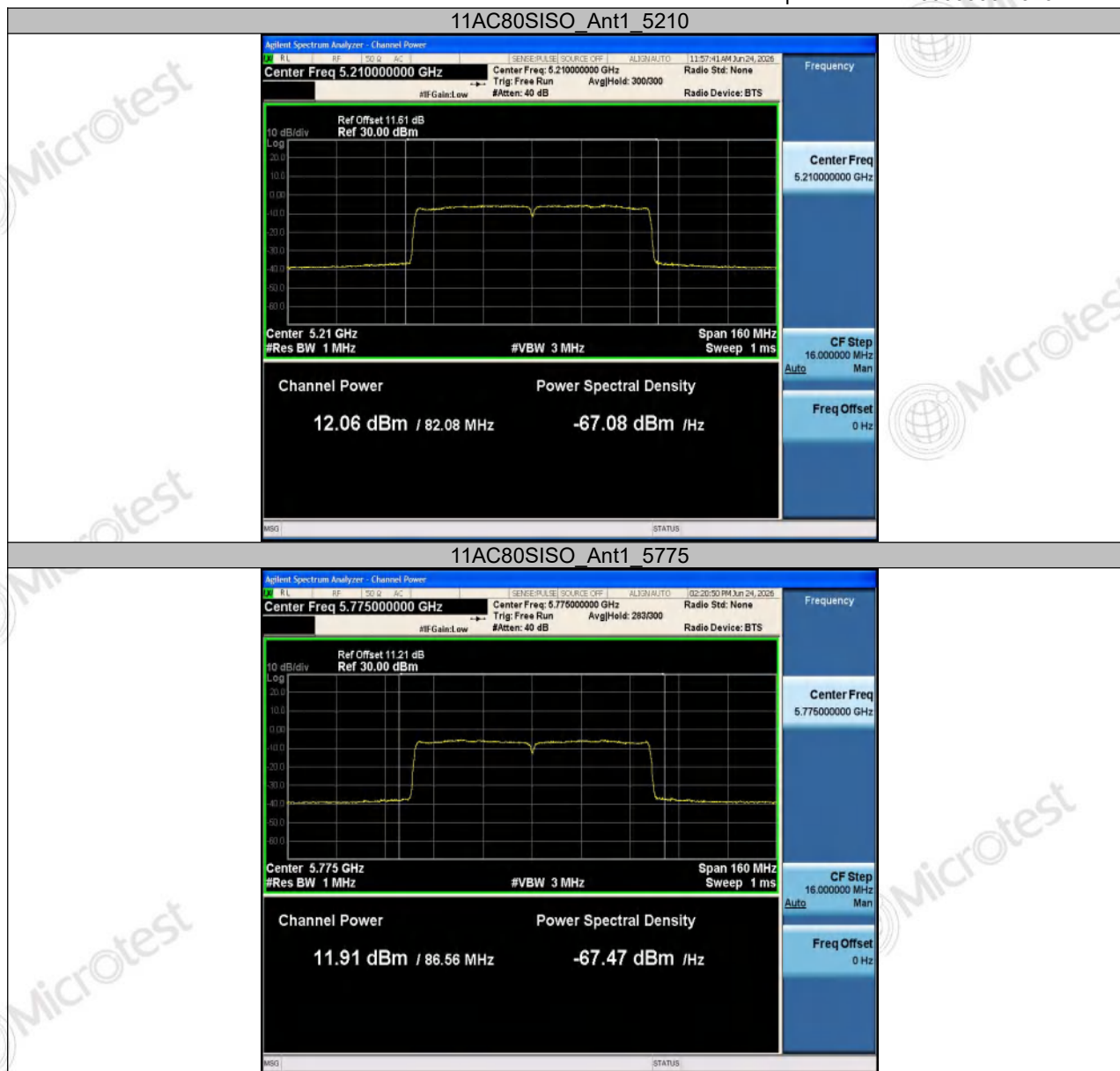
TEST REPORT

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Appendix F: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	2.04	≤11.00	PASS
		5200	3.22	≤11.00	PASS
		5240	3.22	≤11.00	PASS
		5745	0.58	≤30.00	PASS
		5785	0.09	≤30.00	PASS
		5825	0.64	≤30.00	PASS
11N20SISO	Ant1	5180	2.99	≤11.00	PASS
		5200	2.67	≤11.00	PASS
		5240	2.86	≤11.00	PASS
		5745	0.13	≤30.00	PASS
		5785	-0.26	≤30.00	PASS
		5825	0.71	≤30.00	PASS
11N40SISO	Ant1	5190	-0.77	≤11.00	PASS
		5230	-0.64	≤11.00	PASS
		5755	-4.28	≤30.00	PASS
		5795	-4.19	≤30.00	PASS
11AC20SISO	Ant1	5180	3.62	≤11.00	PASS
		5200	3.27	≤11.00	PASS
		5240	3.20	≤11.00	PASS
		5745	-3.29	≤30.00	PASS
		5785	-1.22	≤30.00	PASS
		5825	-0.69	≤30.00	PASS
11AC40SISO	Ant1	5190	-0.59	≤11.00	PASS
		5230	-0.48	≤11.00	PASS
		5755	-2.60	≤30.00	PASS
		5795	-4.40	≤30.00	PASS
11AC80SISO	Ant1	5210	-4.95	≤11.00	PASS
		5775	-7.33	≤30.00	PASS

Note: 1. The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2. The Duty Cycle Factor and RBW Factor is compensated in the graph.

TEST REPORT

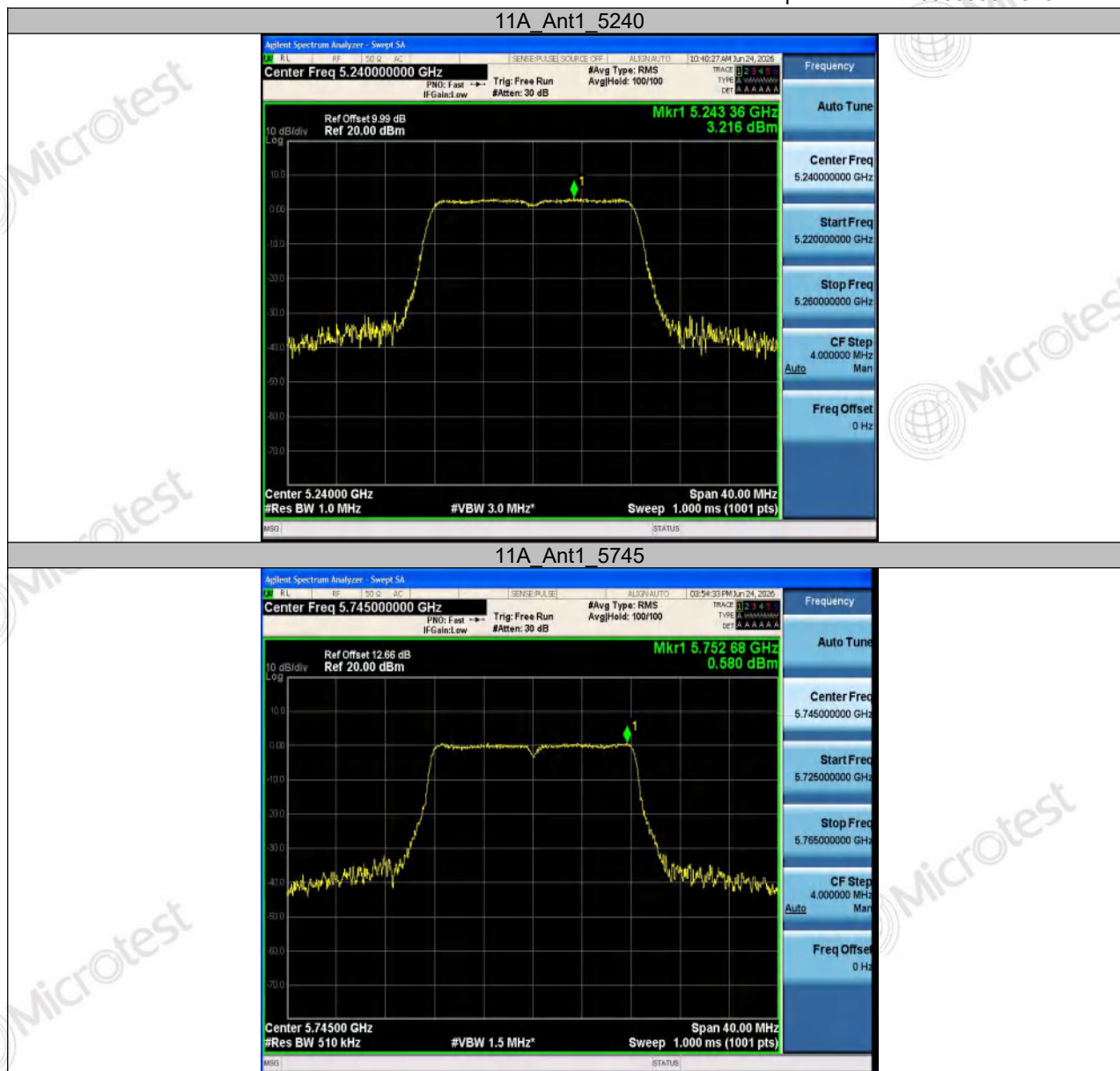
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Test Graphs



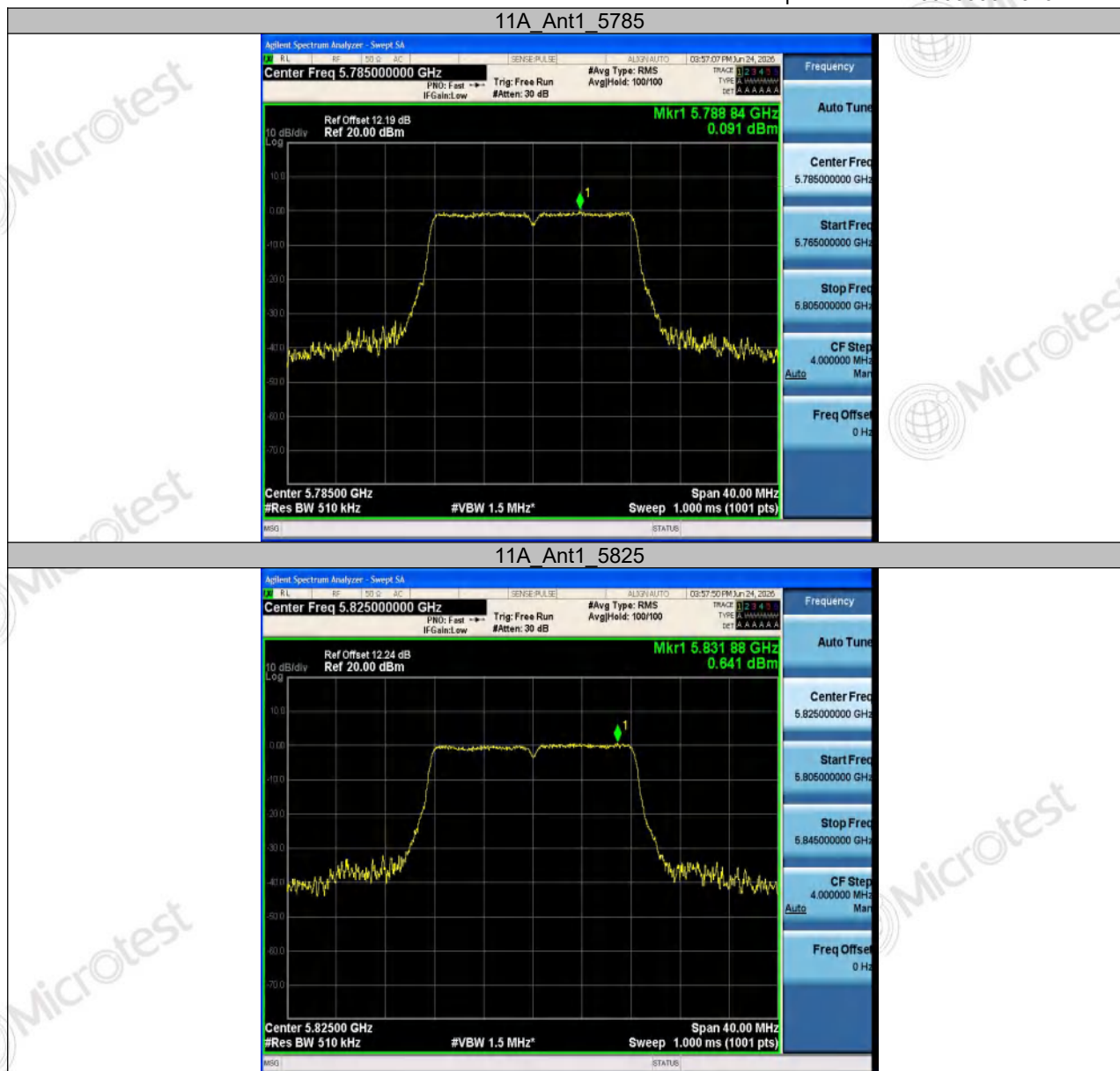
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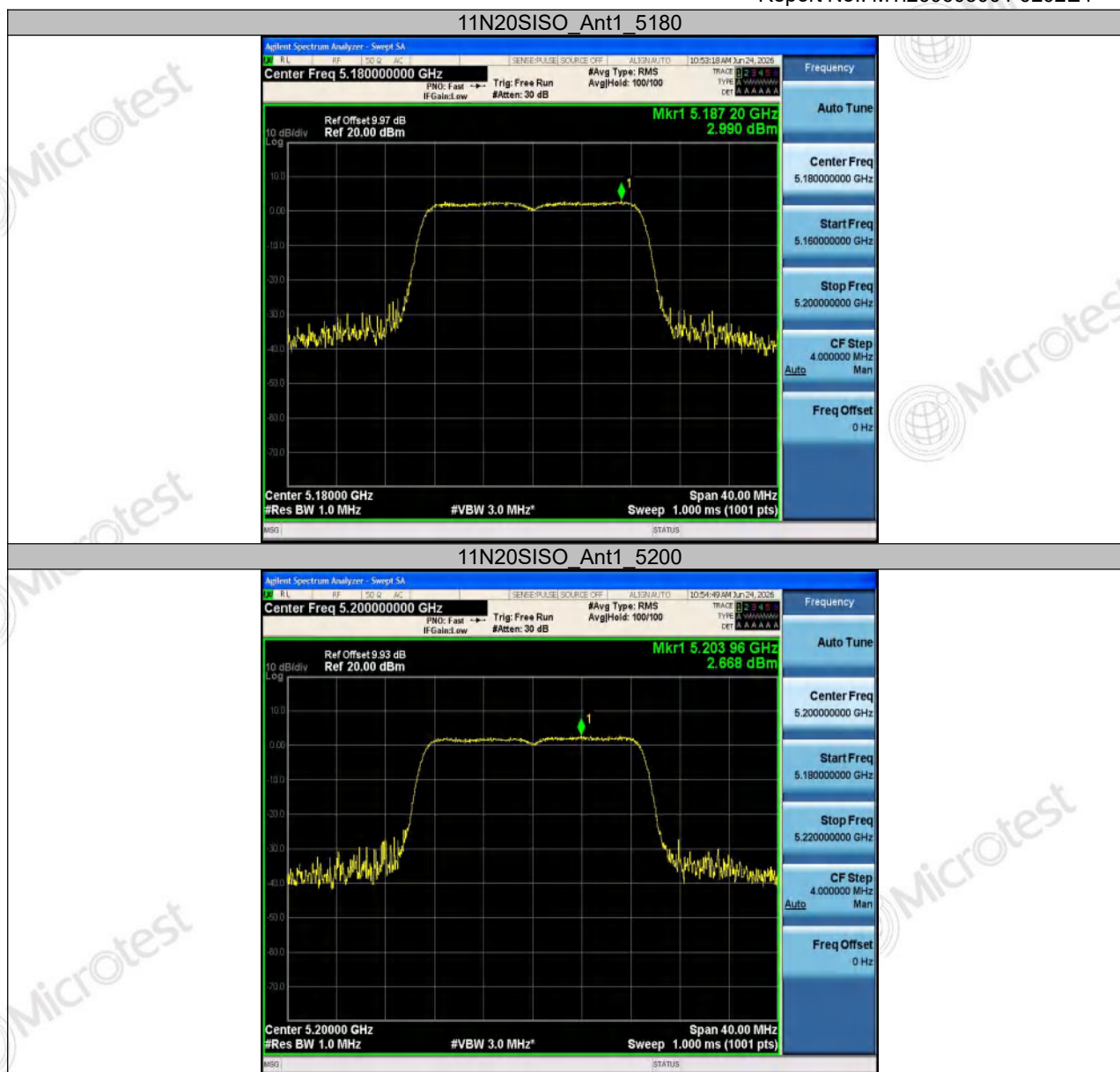
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Report No.: MTi260605004-0202E4



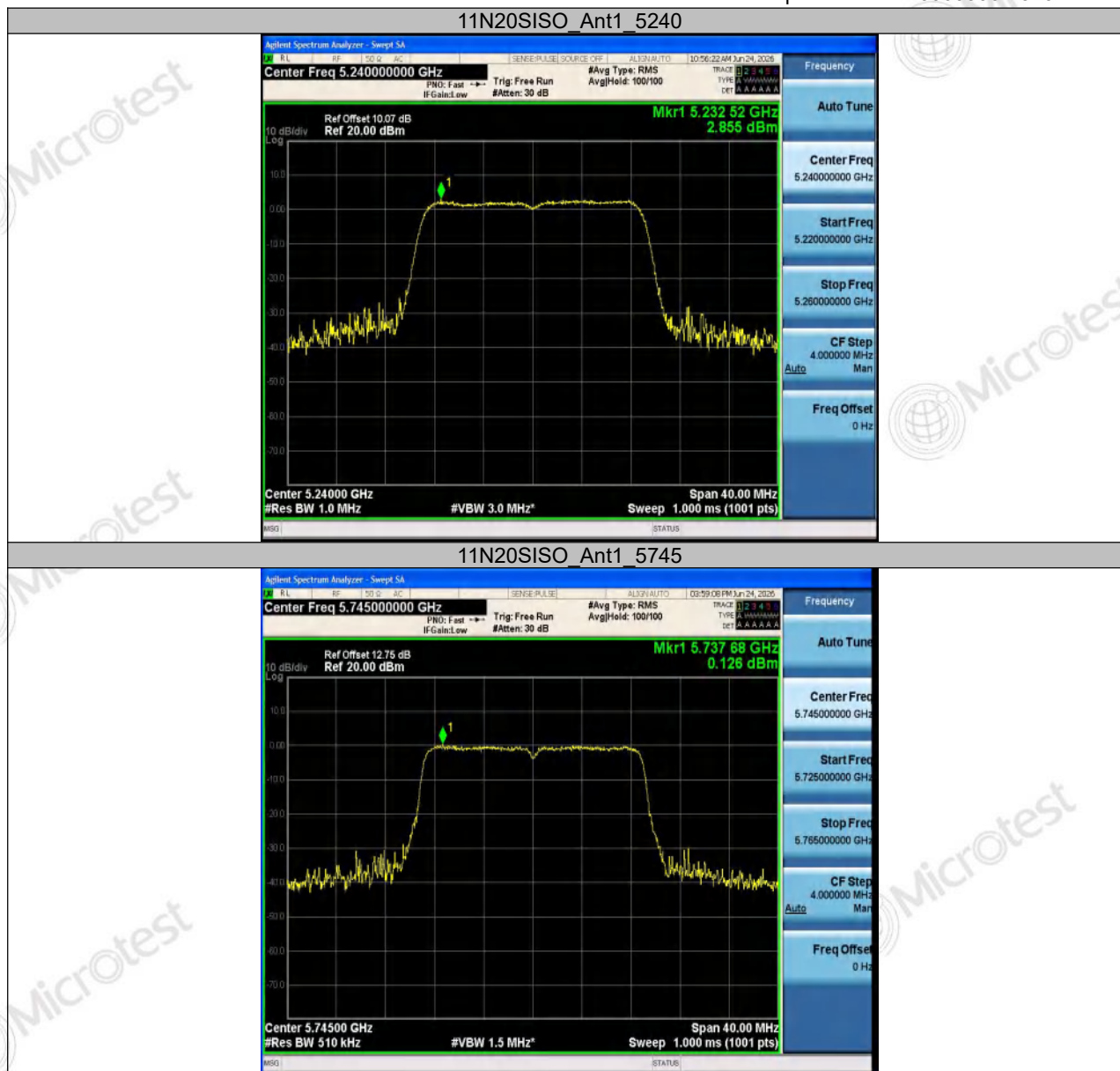
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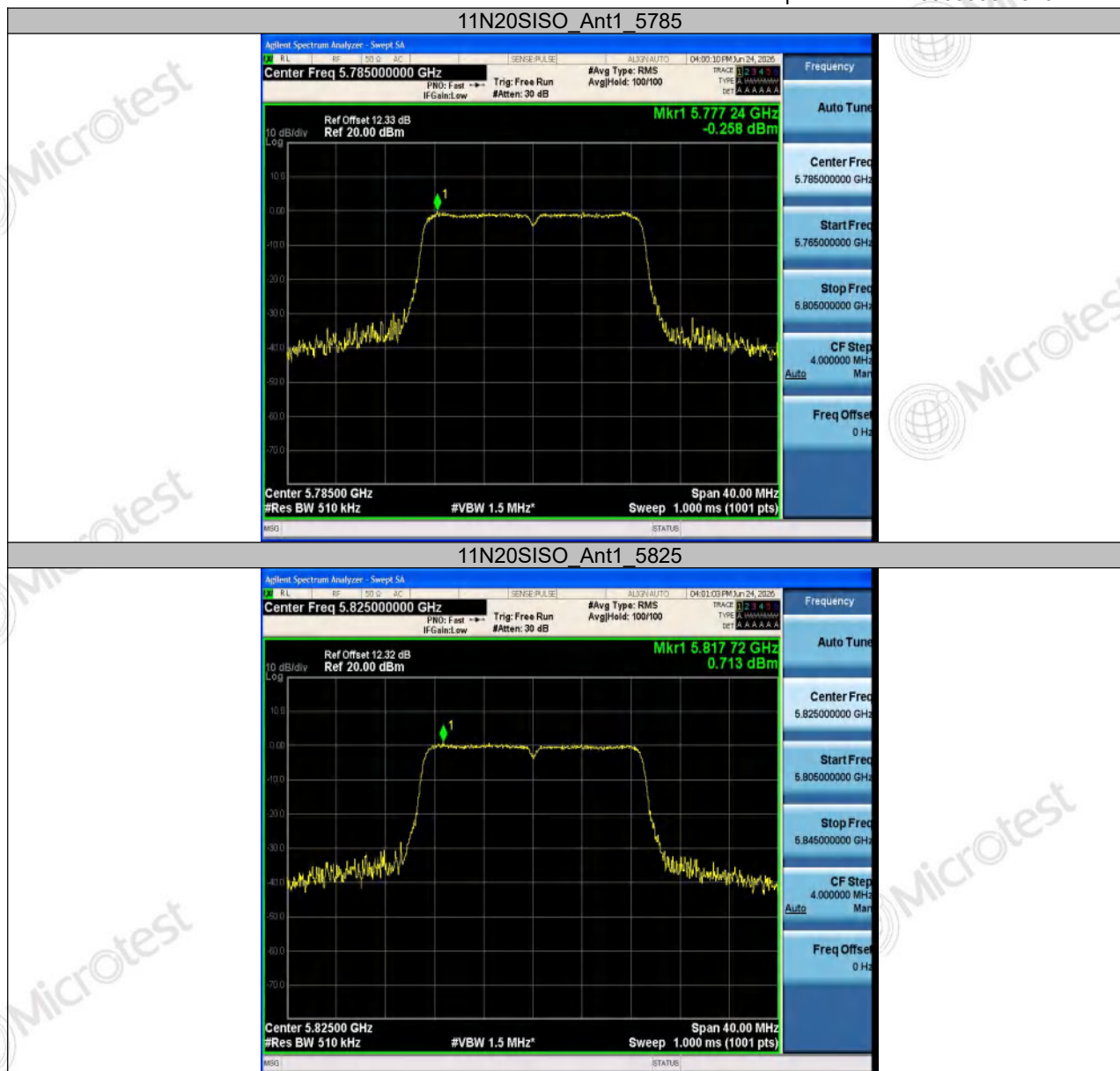
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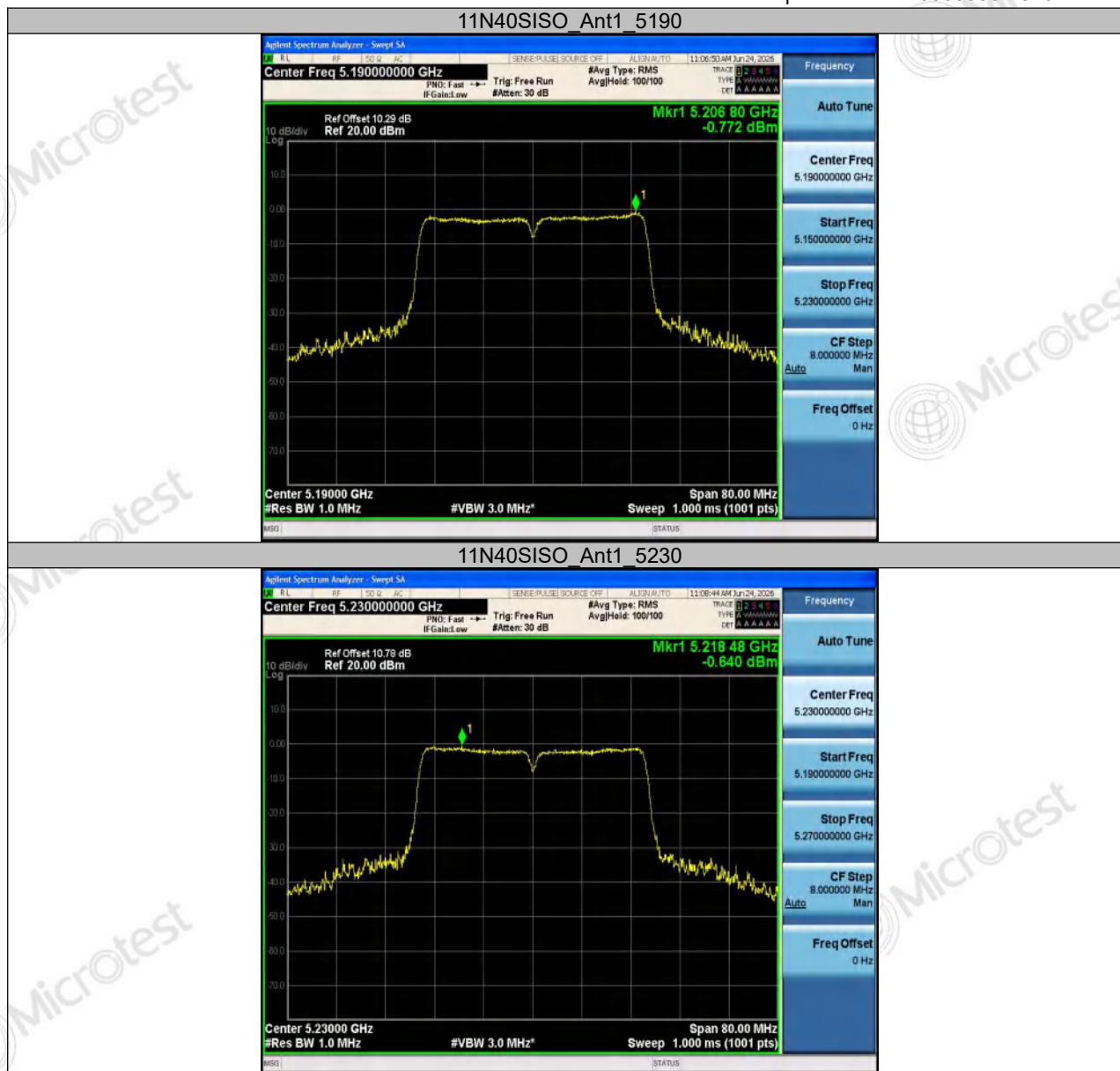
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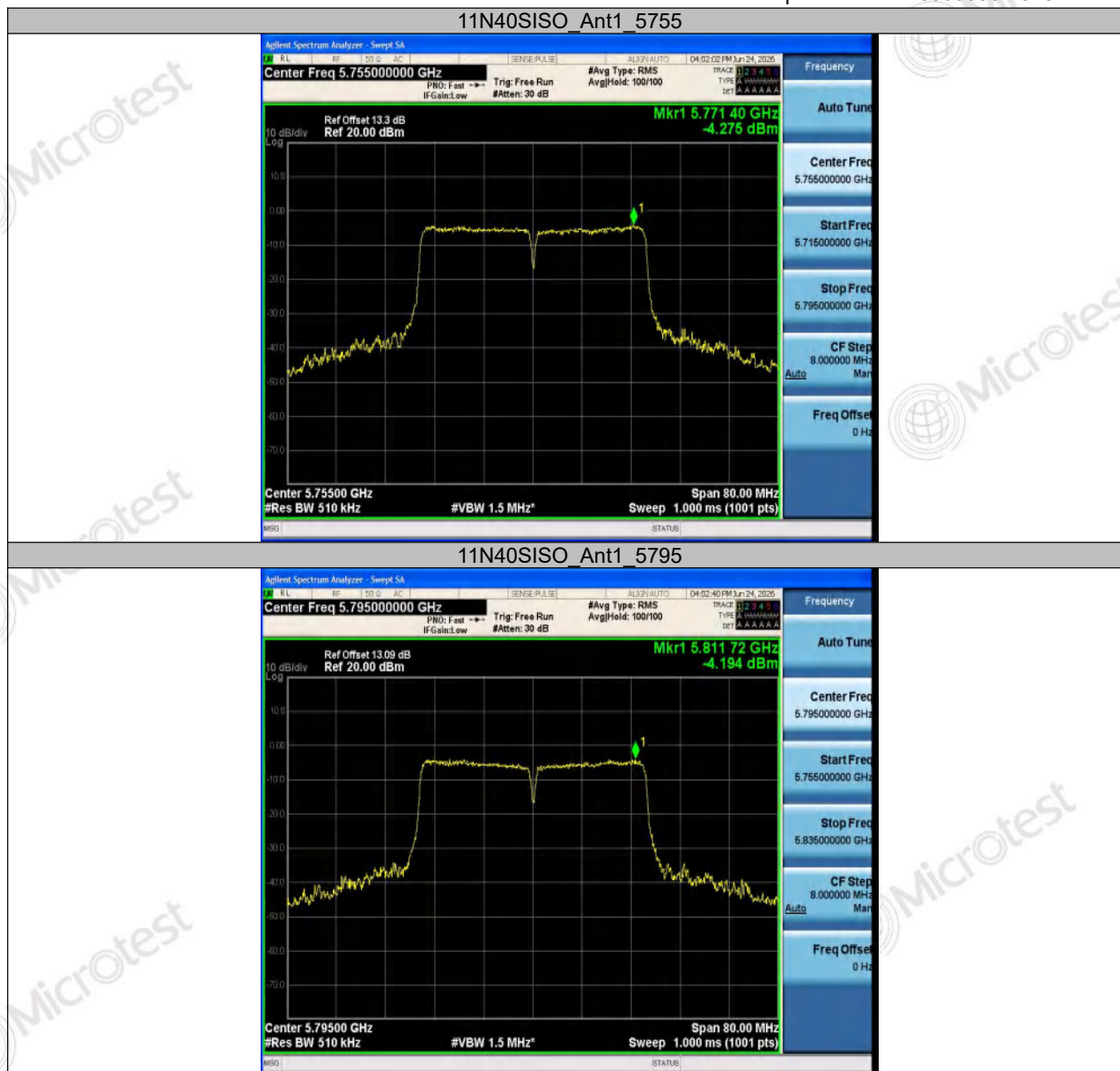
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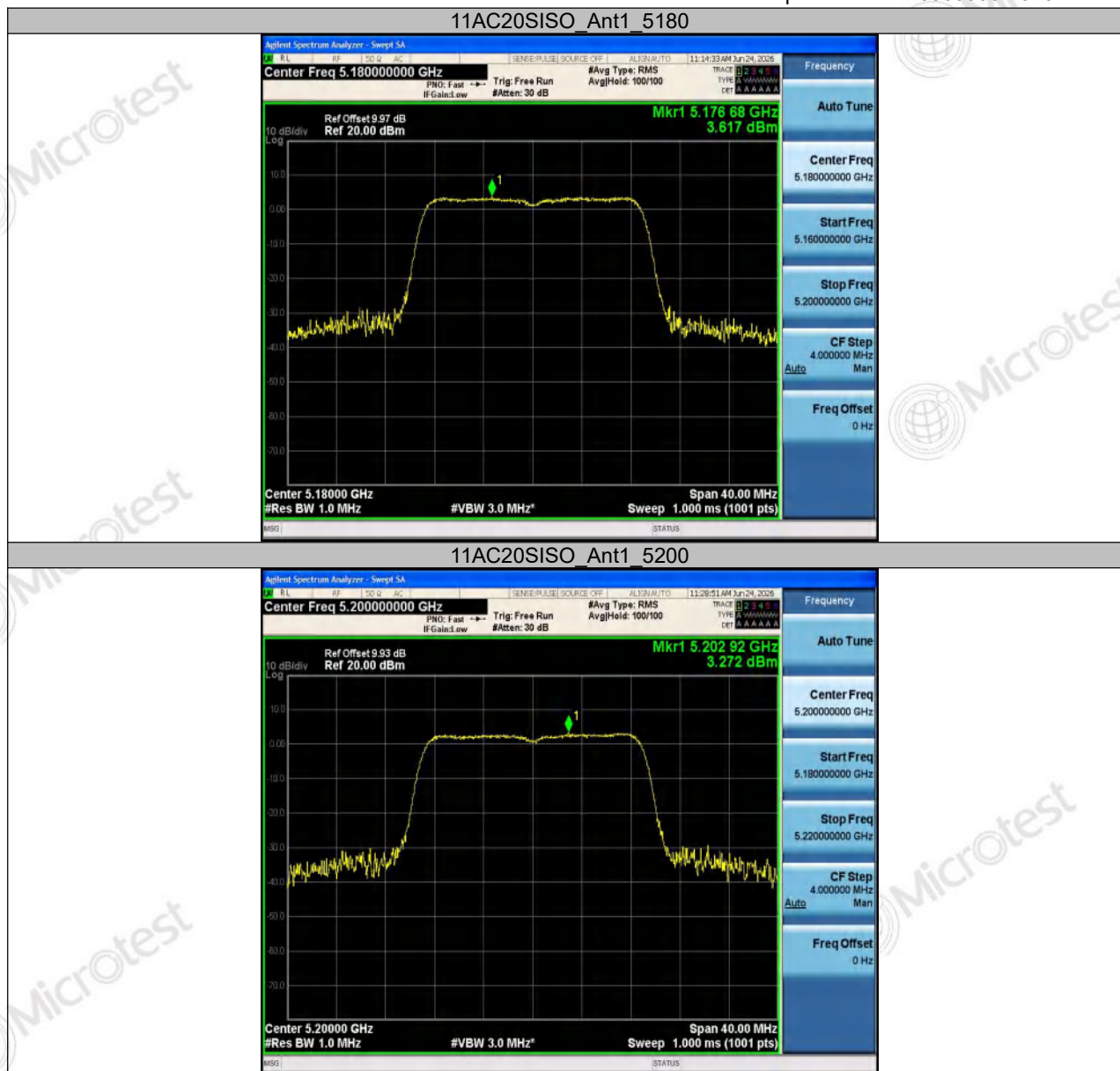
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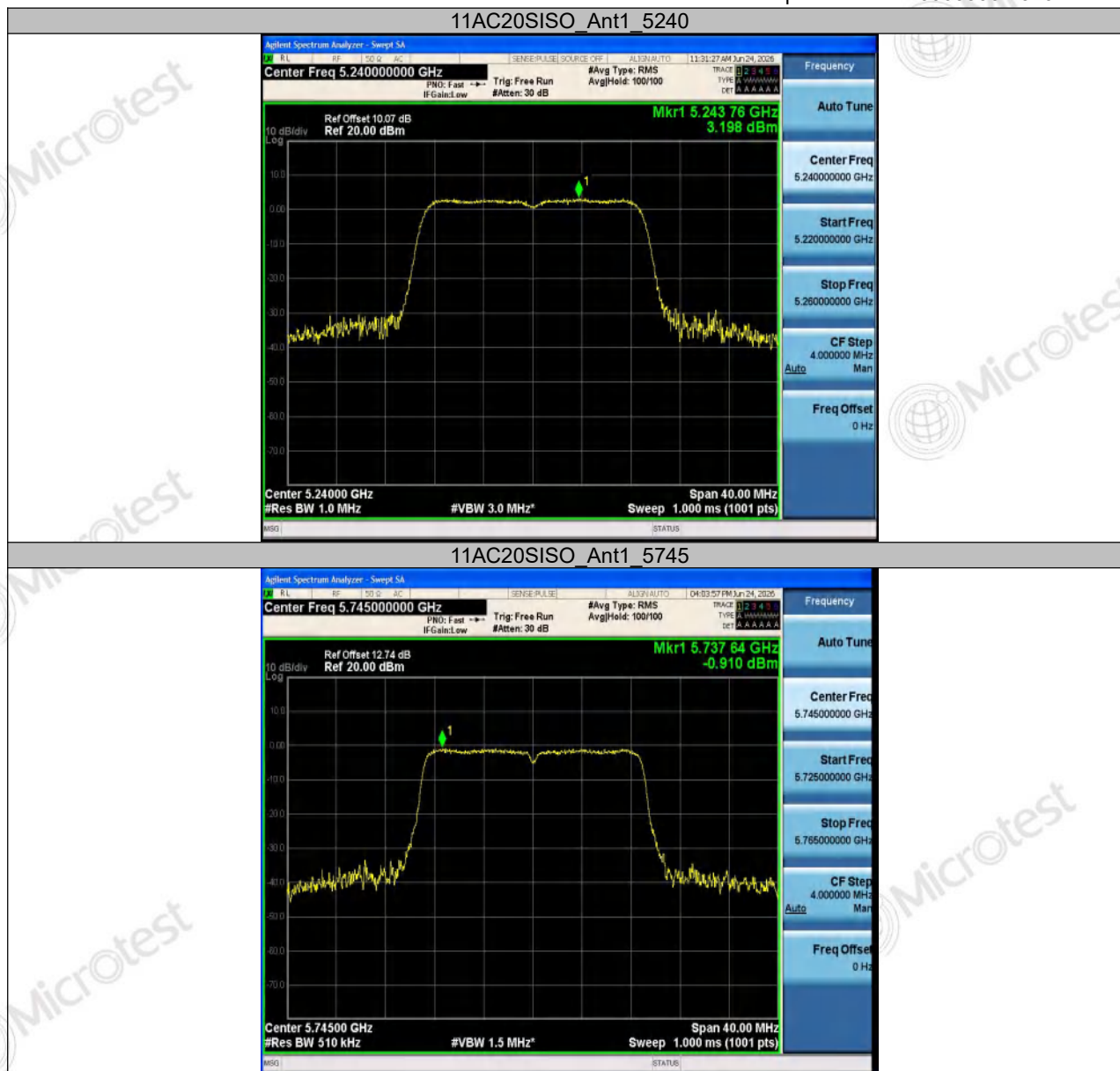
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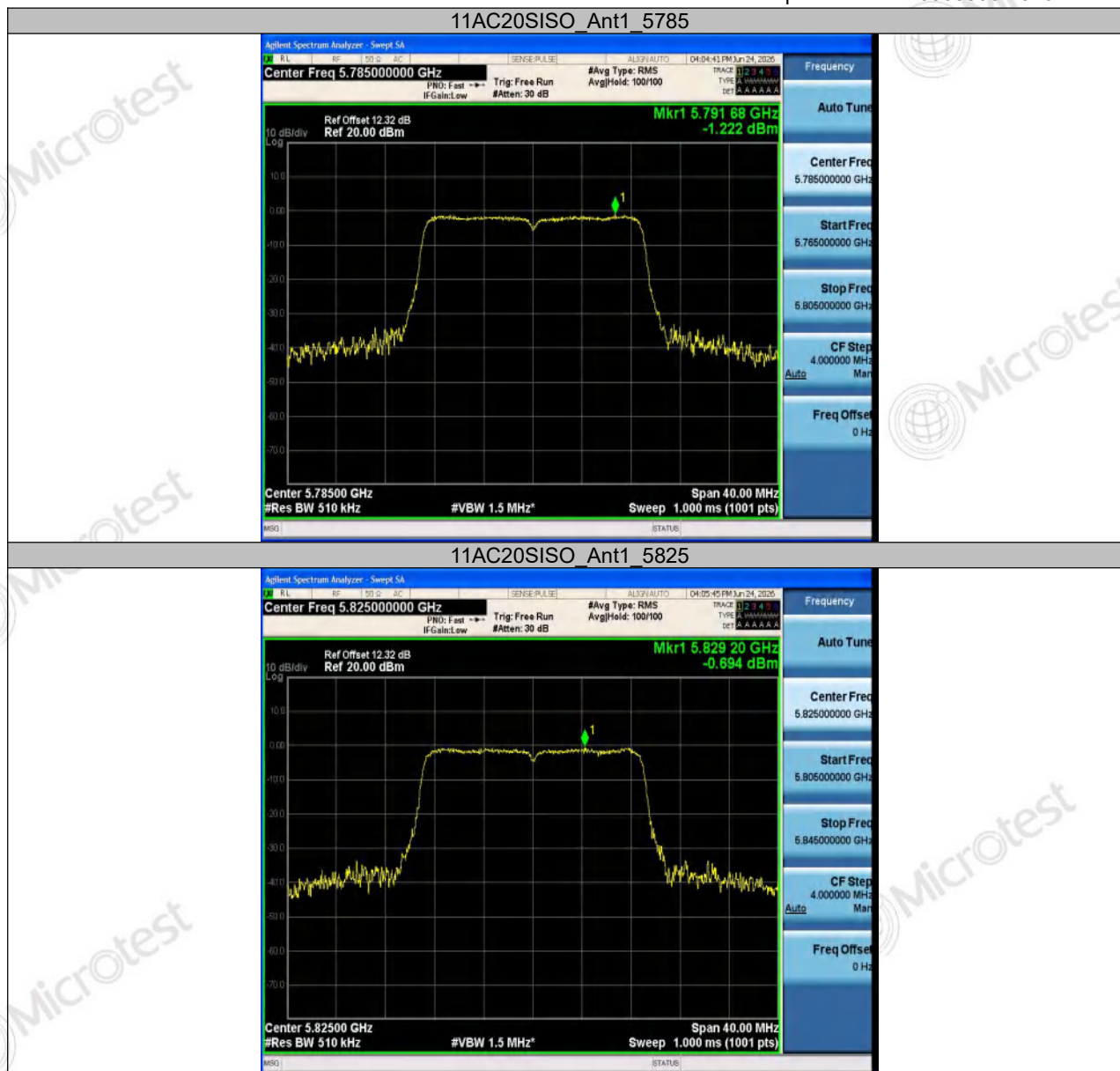
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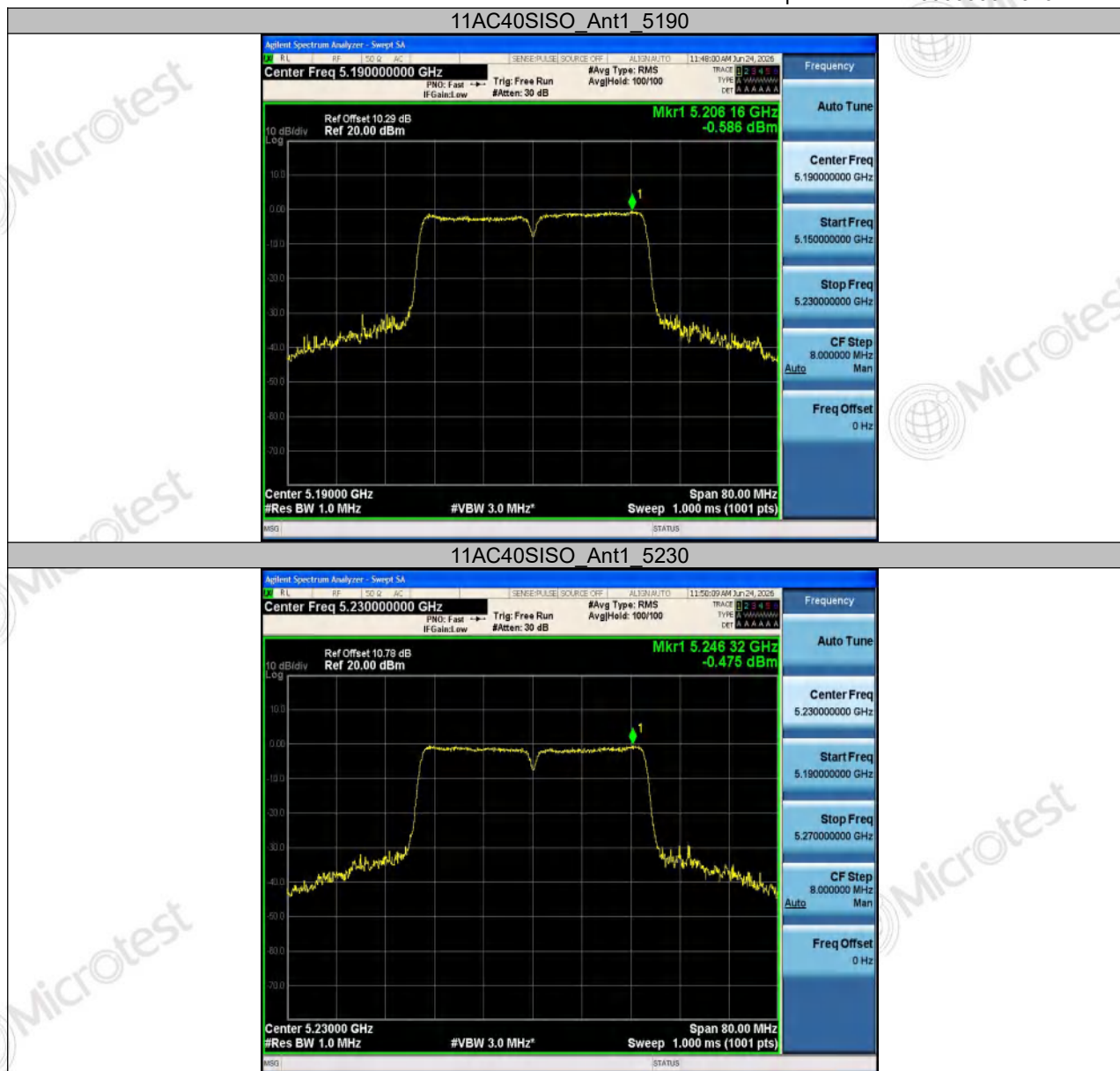
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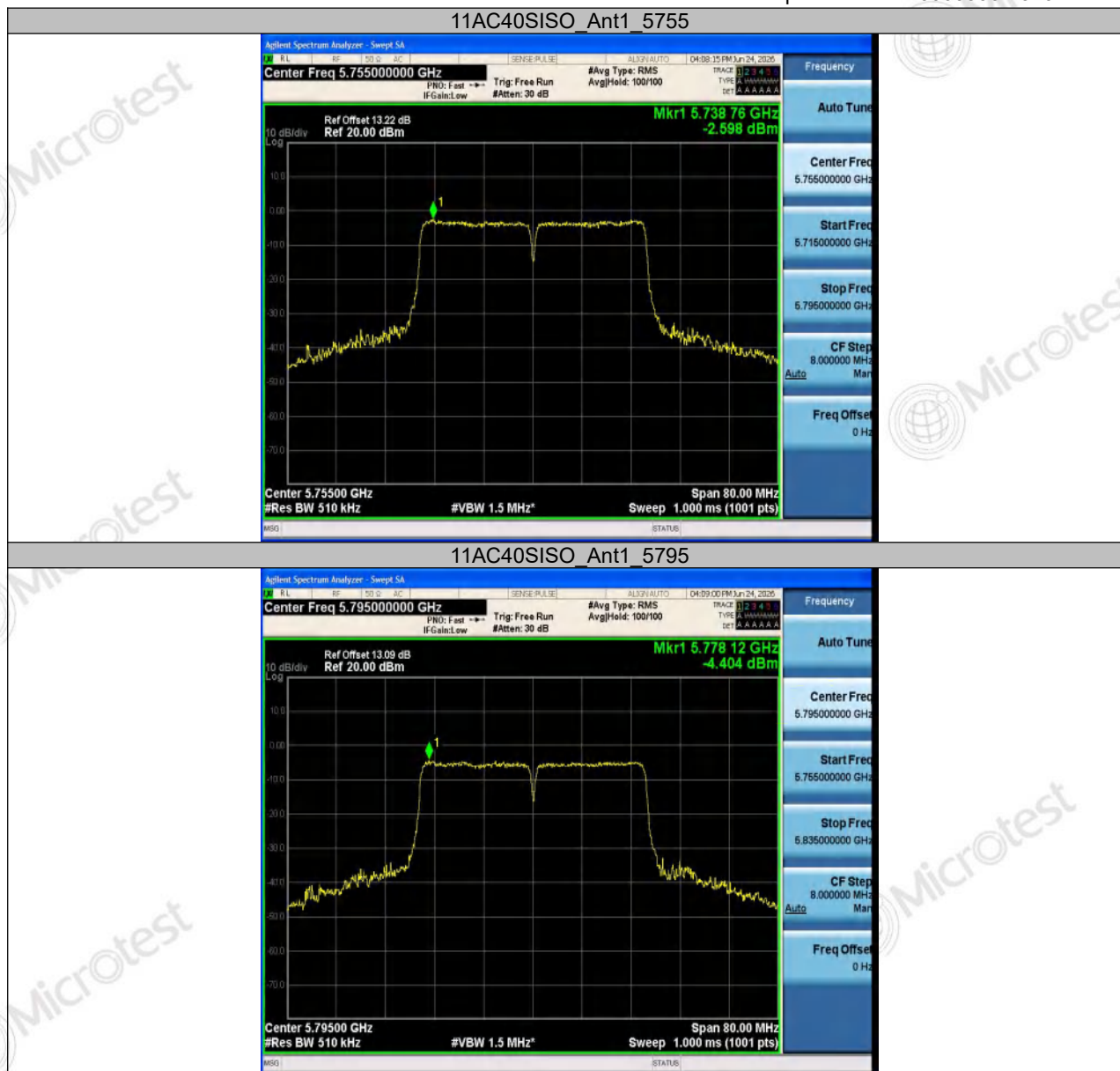
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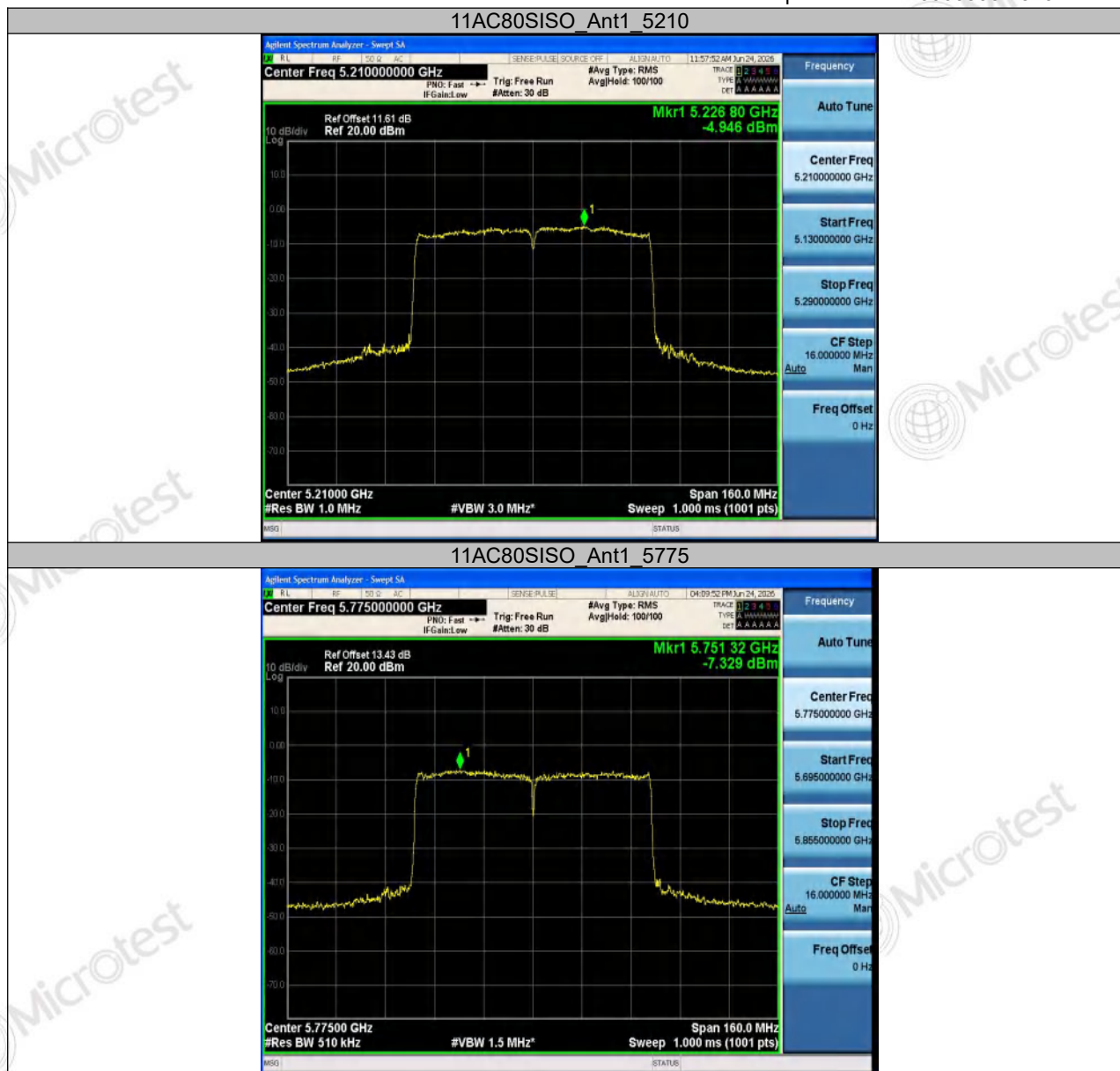
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6. Any objection to this report shall be submitted to the laboratory within 15 days from the date of receipt of the report.

***** END OF REPORT *****