

Appendix Test Data

Report No.:	18220WC10273603	Test Sample No.:	1-2-2
Start Test Date:	2021.12.14	Finish Test Date:	2021.12.22
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	57 %
Pressure:	1012 hPa		

Appendix A1: Emission Bandwidth

Test Result

Test Mode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	32.040	5164.440	5196.480	---	PASS
		5200	34.240	5181.040	5215.280	---	PASS
		5240	33.760	5224.040	5257.800	---	PASS
		5745	30.800	5729.920	5760.720	---	PASS
		5785	19.600	5775.000	5794.600	---	PASS
		5825	19.920	5815.000	5834.920	---	PASS
11N20SIS O	Ant1	5180	33.720	5162.760	5196.480	---	PASS
		5200	30.800	5183.600	5214.400	---	PASS
		5240	32.880	5223.680	5256.560	---	PASS
		5745	19.880	5735.040	5754.920	---	PASS
		5785	20.840	5774.240	5795.080	---	PASS
		5825	20.080	5814.920	5835.000	---	PASS
11N40SIS O	Ant1	5190	70.800	5152.400	5223.200	---	PASS
		5230	61.680	5200.960	5262.640	---	PASS
		5755	39.920	5734.760	5774.680	---	PASS
		5795	52.560	5762.360	5814.920	---	PASS
11AC20SI SO	Ant1	5180	30.880	5163.720	5194.600	---	PASS
		5200	32.280	5181.840	5214.120	---	PASS
		5240	32.360	5223.920	5256.280	---	PASS
		5745	20.440	5734.720	5755.160	---	PASS

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11AC40SI SO	Ant1	5785	20.480	5774.440	5794.920	---	PASS
		5825	20.240	5814.960	5835.200	---	PASS
		5190	48.160	5163.280	5211.440	---	PASS
		5230	75.600	5190.640	5266.240	---	PASS
		5755	39.920	5735.000	5774.920	---	PASS
11AC80SI SO	Ant1	5795	40.320	5774.840	5815.160	---	PASS
		5210	159.680	5130.000	5289.680	---	PASS
		5775	80.160	5734.840	5815.000	---	PASS

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Test Graphs

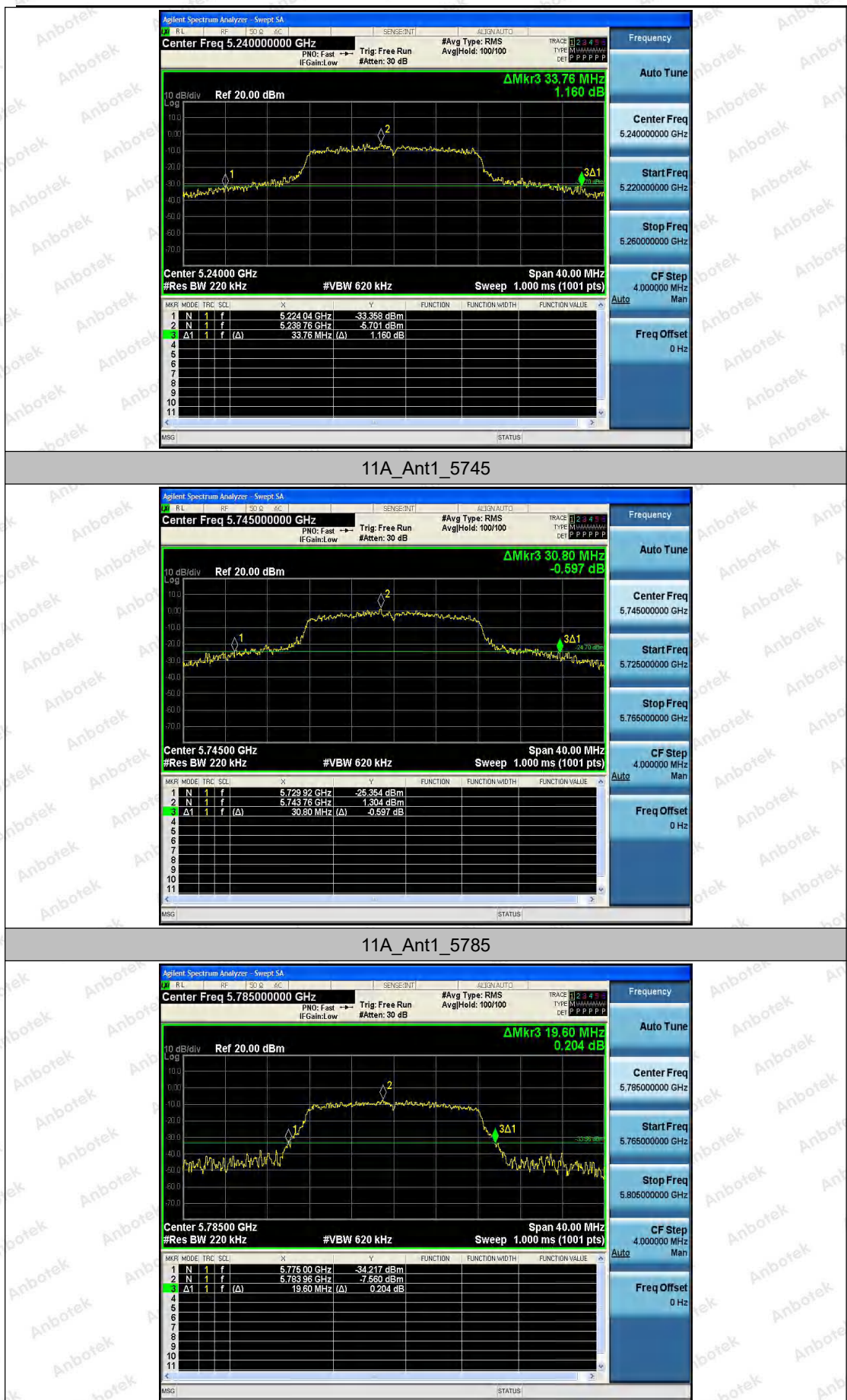
11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



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11A_Ant1_5825



11N20SISO_Ant1_5180



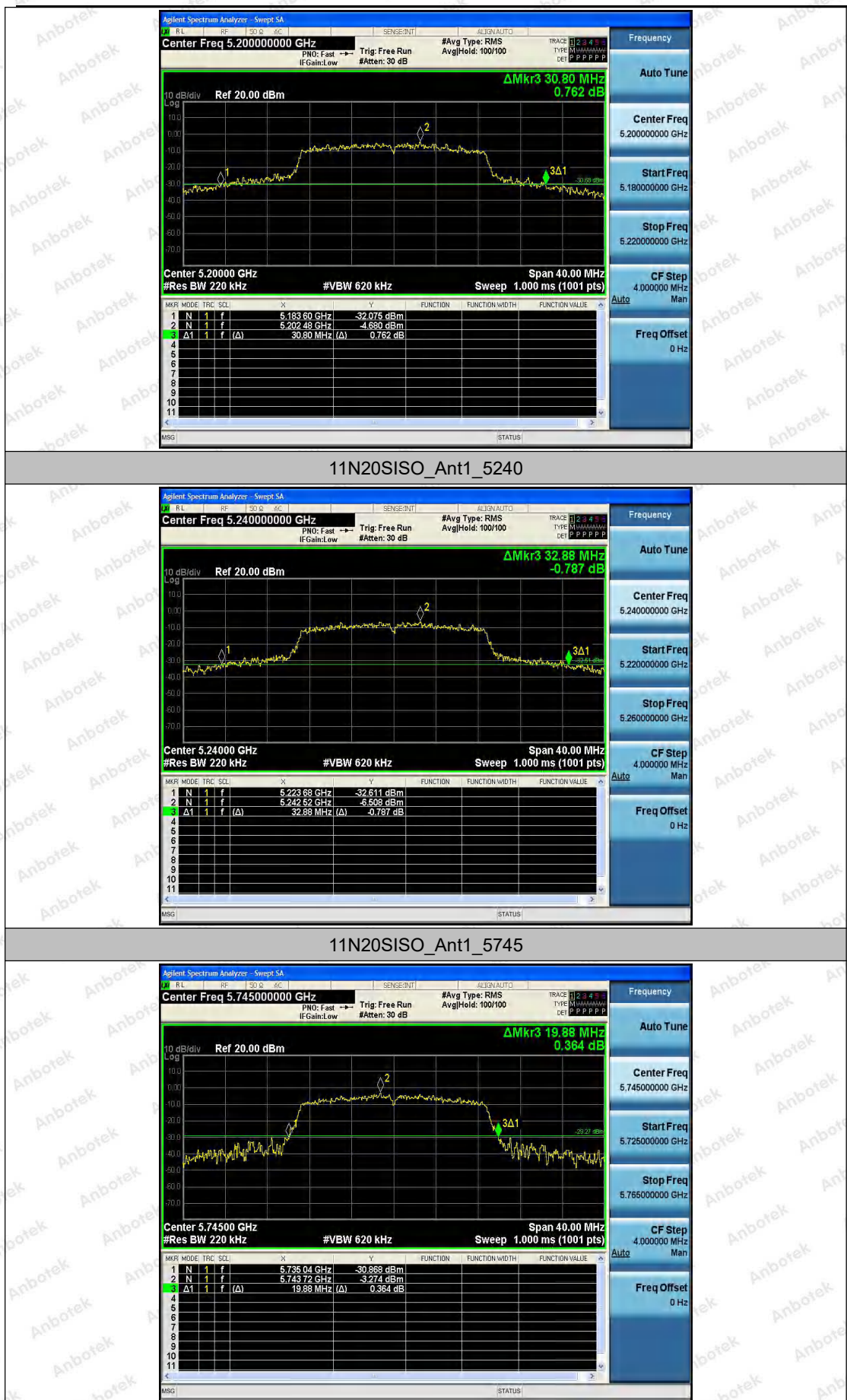
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11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



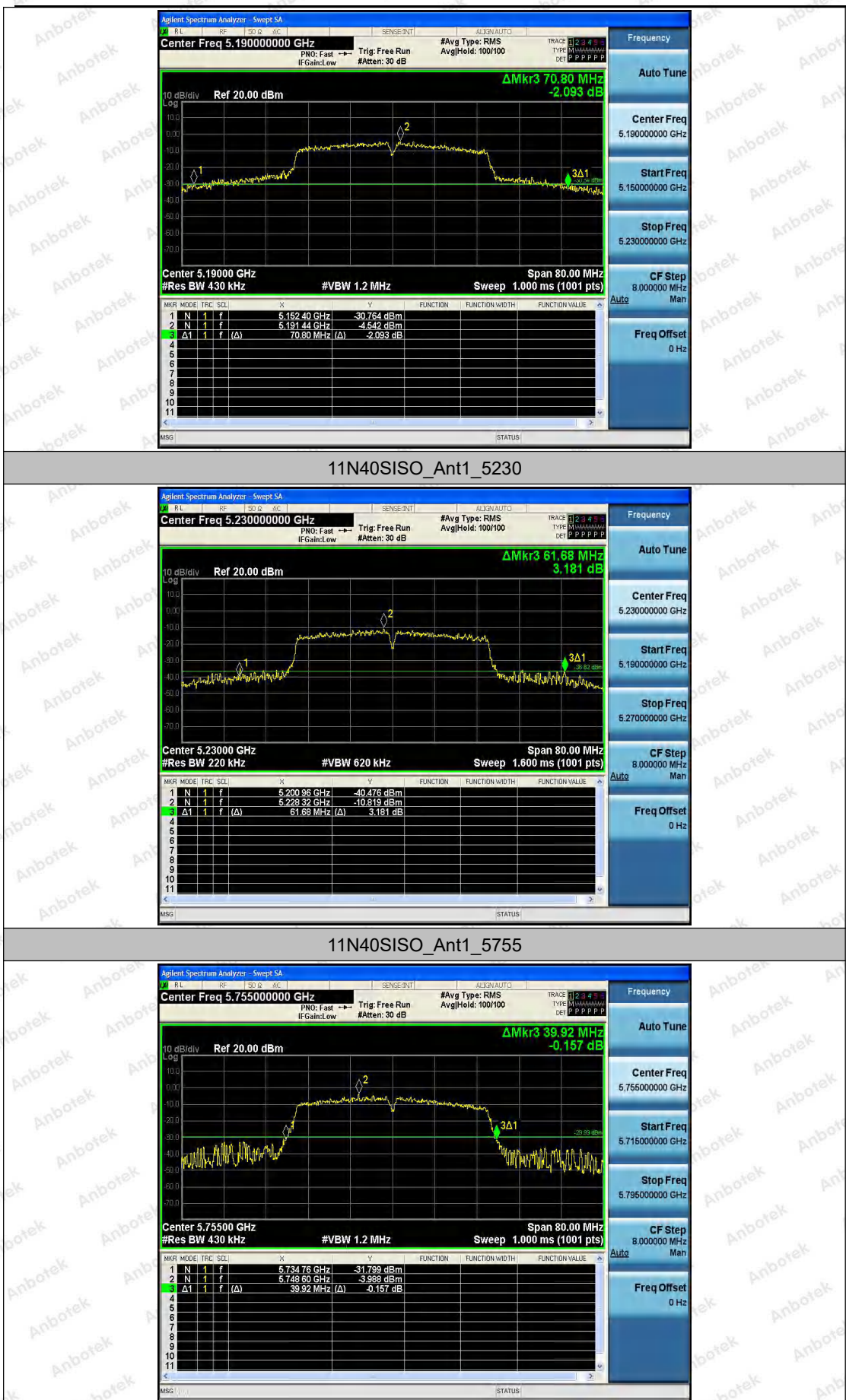
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11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



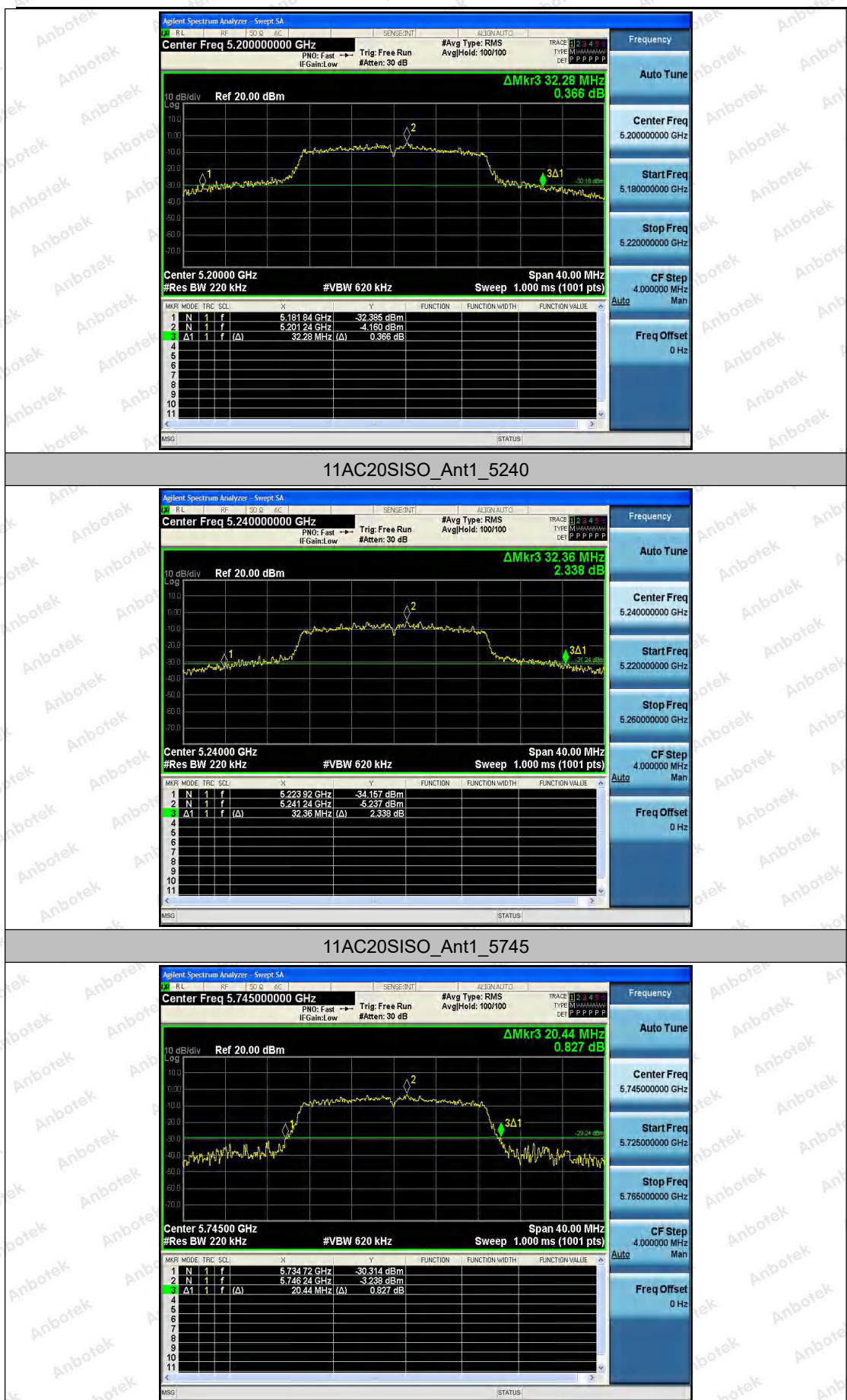
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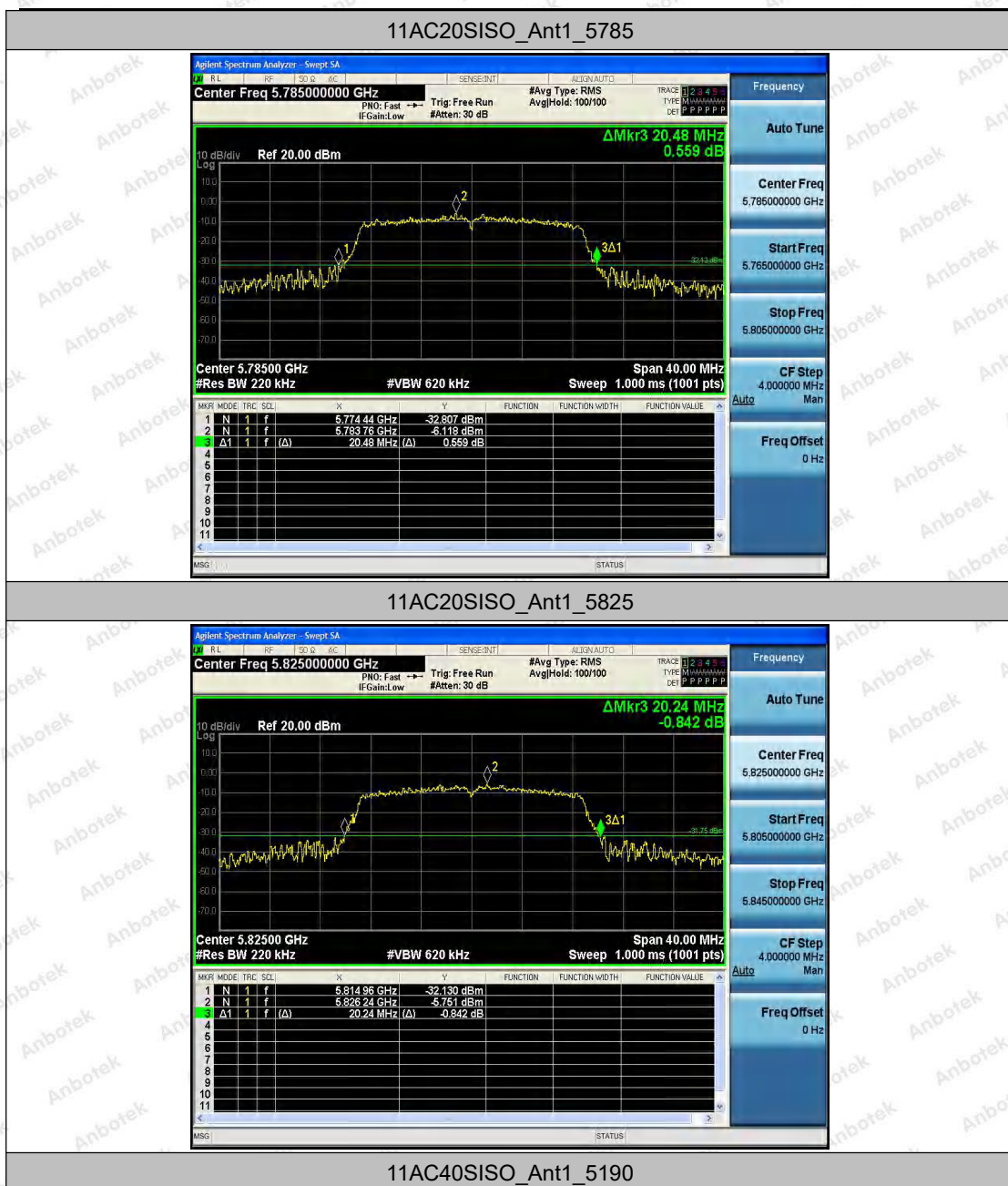


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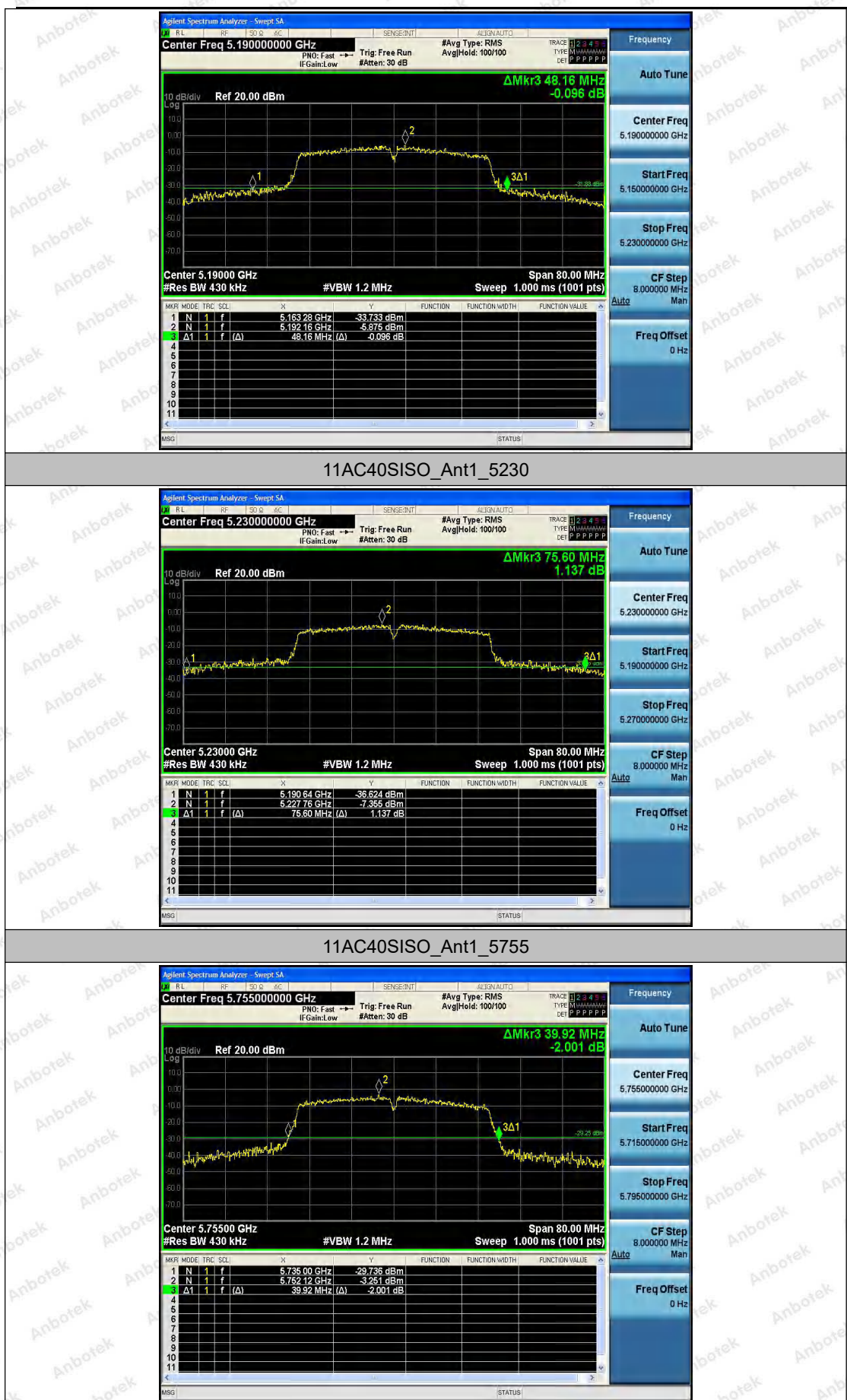


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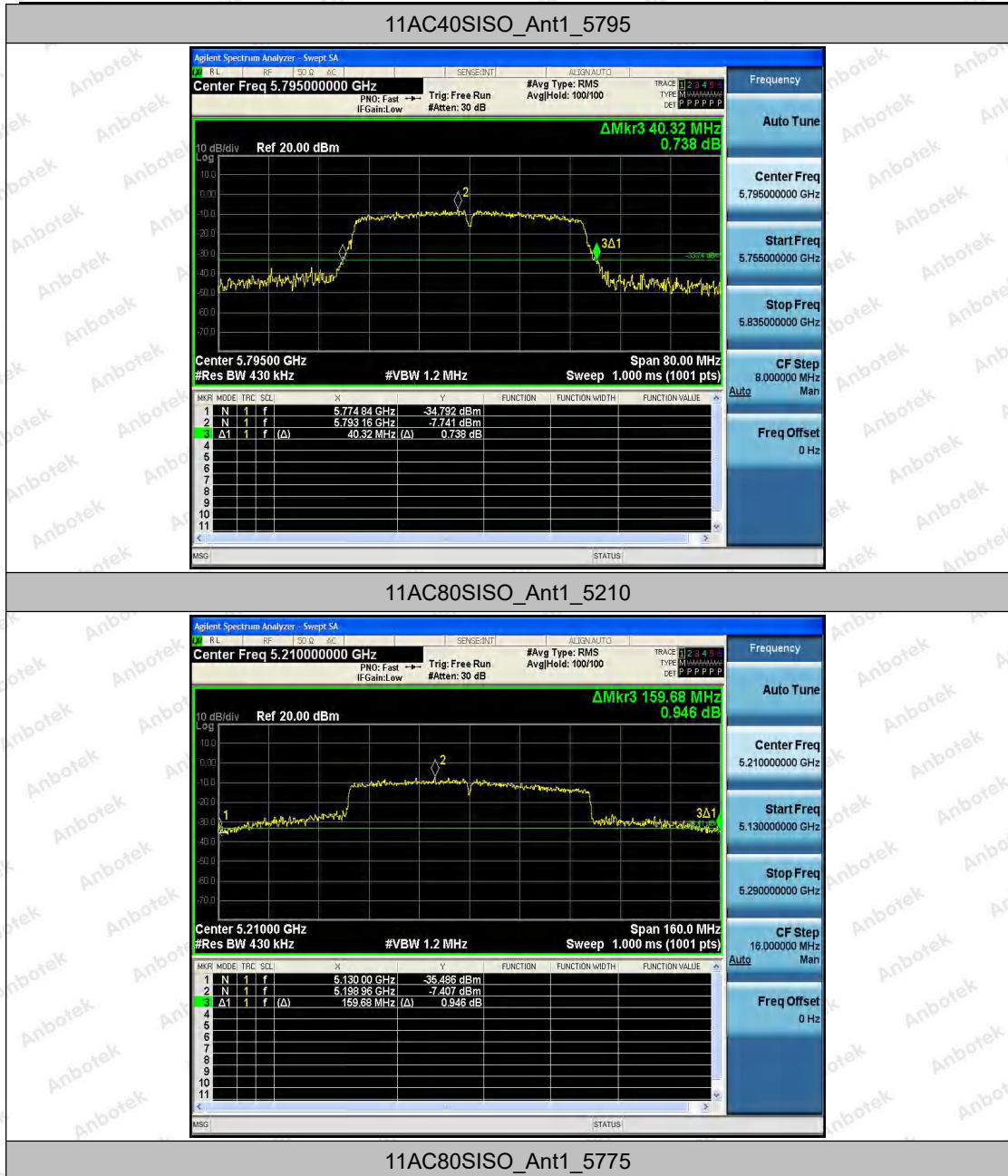


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Appendix A2: Occupied channel bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	18.110	5170.964	5189.074	---	PASS
		5200	18.752	5190.190	5208.942	---	PASS
		5240	18.739	5230.681	5249.420	---	PASS
		5745	18.342	5735.793	5754.135	---	PASS
		5785	16.829	5776.584	5793.413	---	PASS
		5825	16.857	5816.584	5833.441	---	PASS
11N20SIS O	Ant1	5180	18.678	5170.594	5189.272	---	PASS
		5200	19.129	5190.102	5209.231	---	PASS
		5240	19.157	5230.477	5249.634	---	PASS
		5745	17.834	5736.039	5753.873	---	PASS
		5785	17.921	5776.002	5793.923	---	PASS
		5825	17.829	5816.063	5833.892	---	PASS
11N40SIS O	Ant1	5190	38.602	5169.809	5208.411	---	PASS
		5230	36.309	5211.754	5248.063	---	PASS
		5755	35.931	5736.885	5772.816	---	PASS
		5795	36.094	5776.912	5813.006	---	PASS
11AC20SI SO	Ant1	5180	18.719	5170.583	5189.302	---	PASS
		5200	18.965	5190.335	5209.300	---	PASS
		5240	19.101	5230.477	5249.578	---	PASS
		5745	17.805	5736.061	5753.866	---	PASS
		5785	17.869	5776.029	5793.898	---	PASS
		5825	17.855	5816.087	5833.942	---	PASS
11AC40SI SO	Ant1	5190	36.405	5171.634	5208.039	---	PASS
		5230	37.593	5211.014	5248.607	---	PASS
		5755	35.989	5736.869	5772.858	---	PASS
		5795	36.225	5776.878	5813.103	---	PASS
11AC80SI SO	Ant1	5210	84.384	5164.582	5248.966	---	PASS
		5775	75.430	5737.054	5812.484	---	PASS

Test Graphs

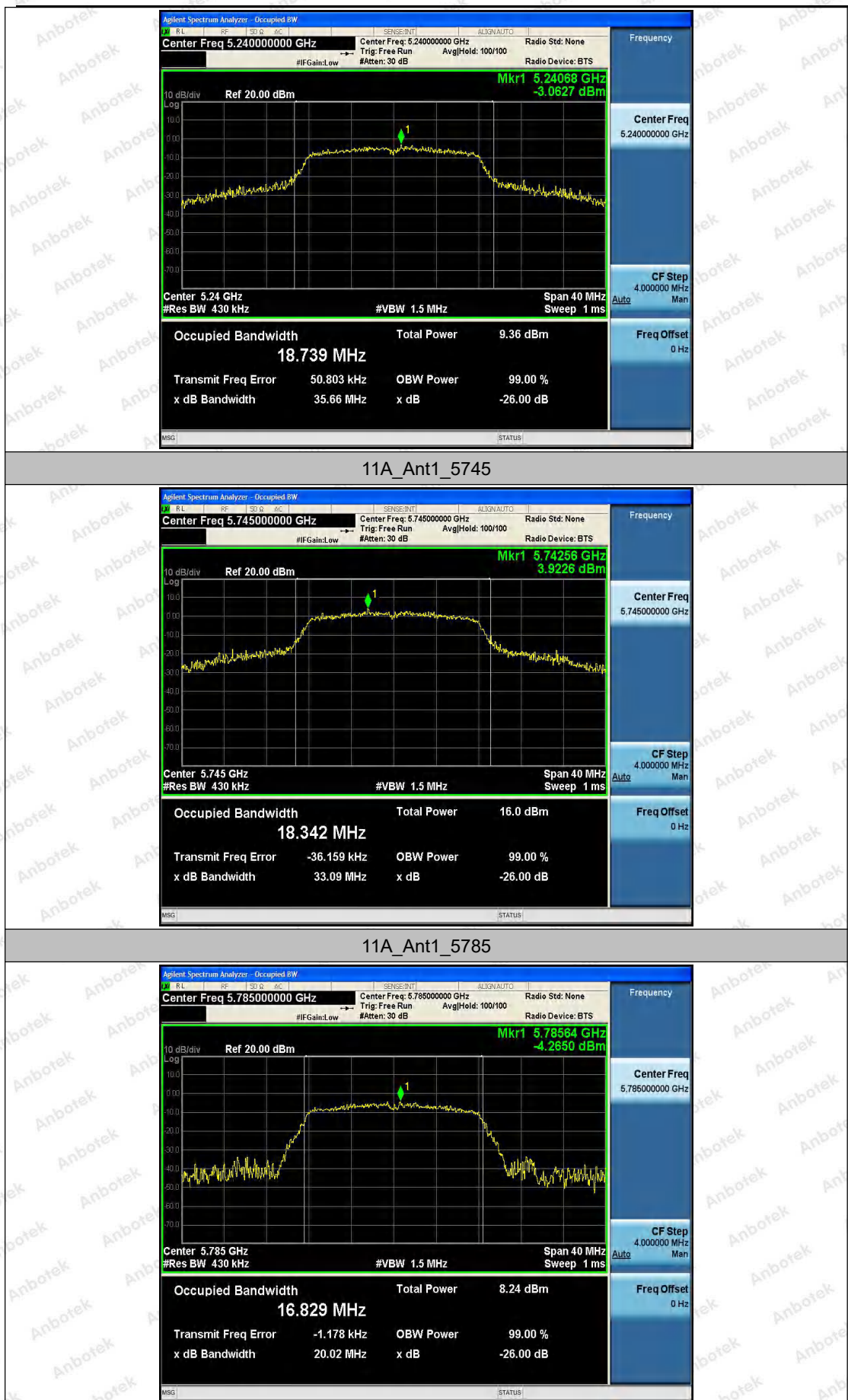


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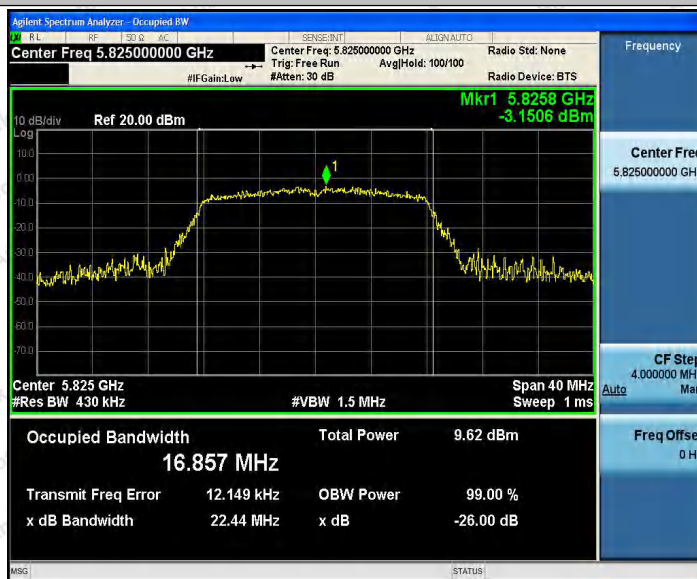
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11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200

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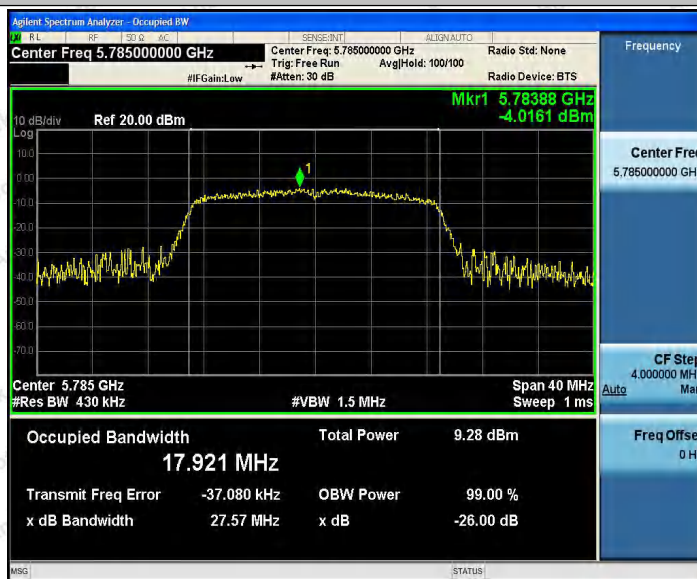
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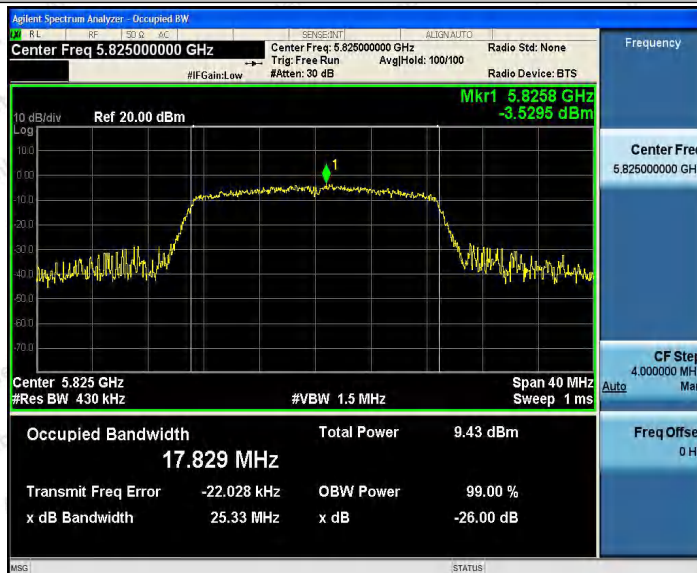
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11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



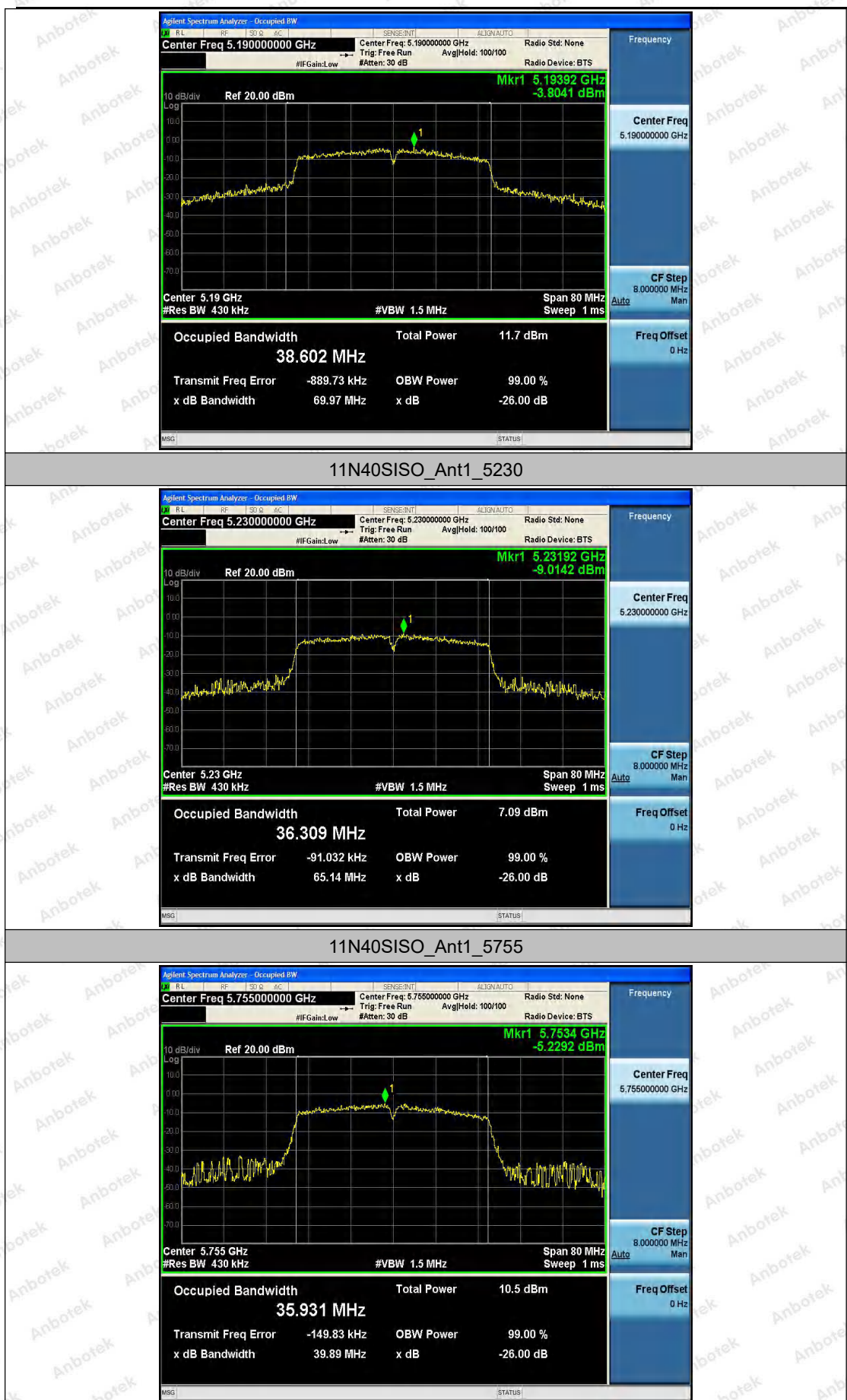
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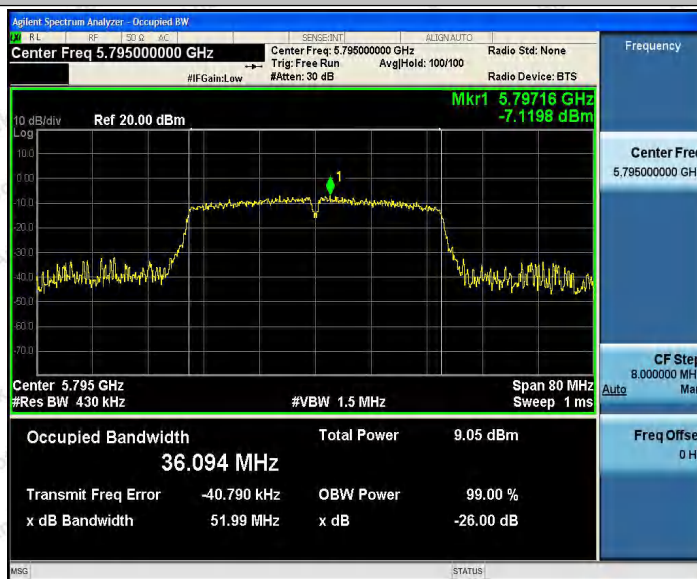
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11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



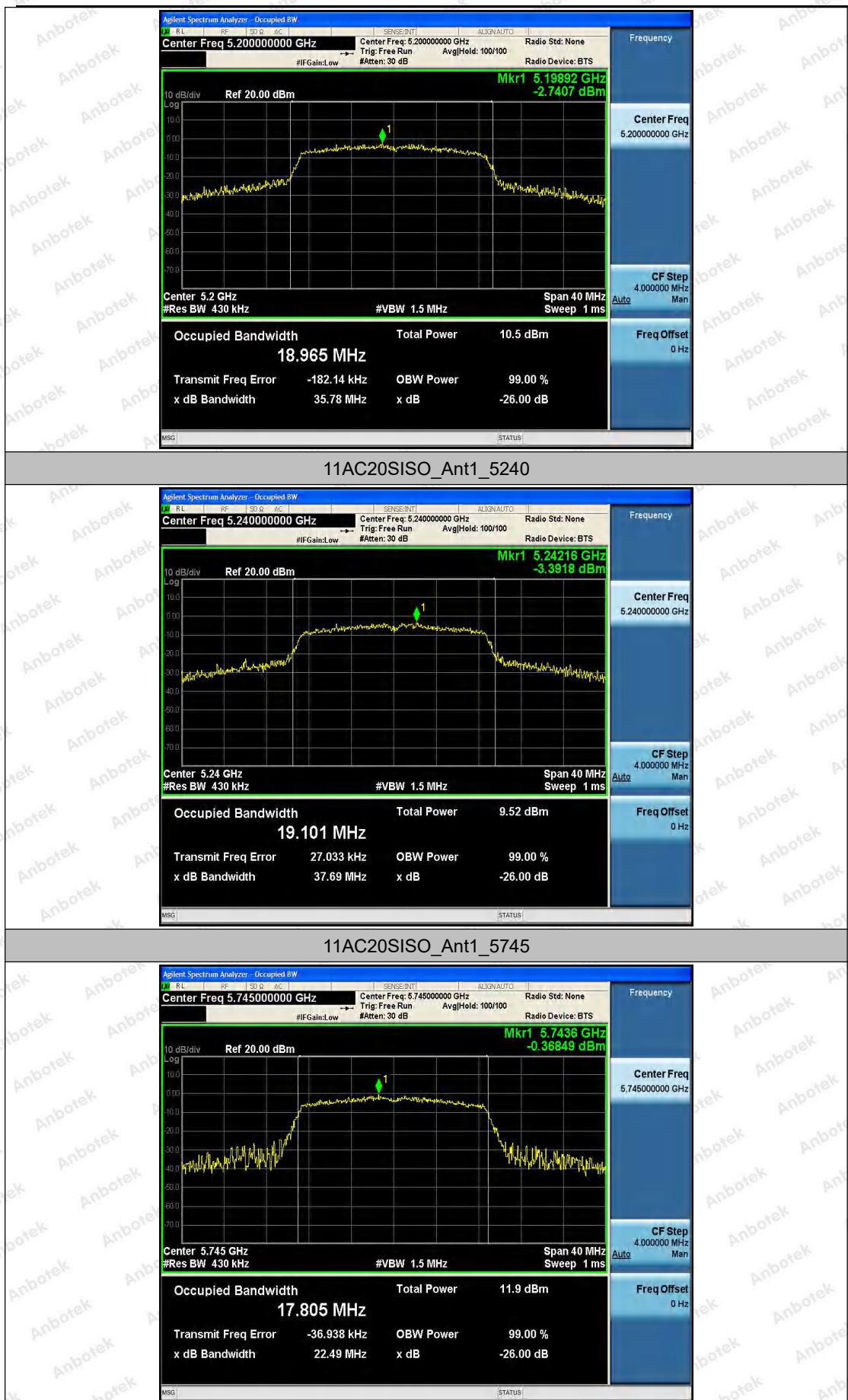
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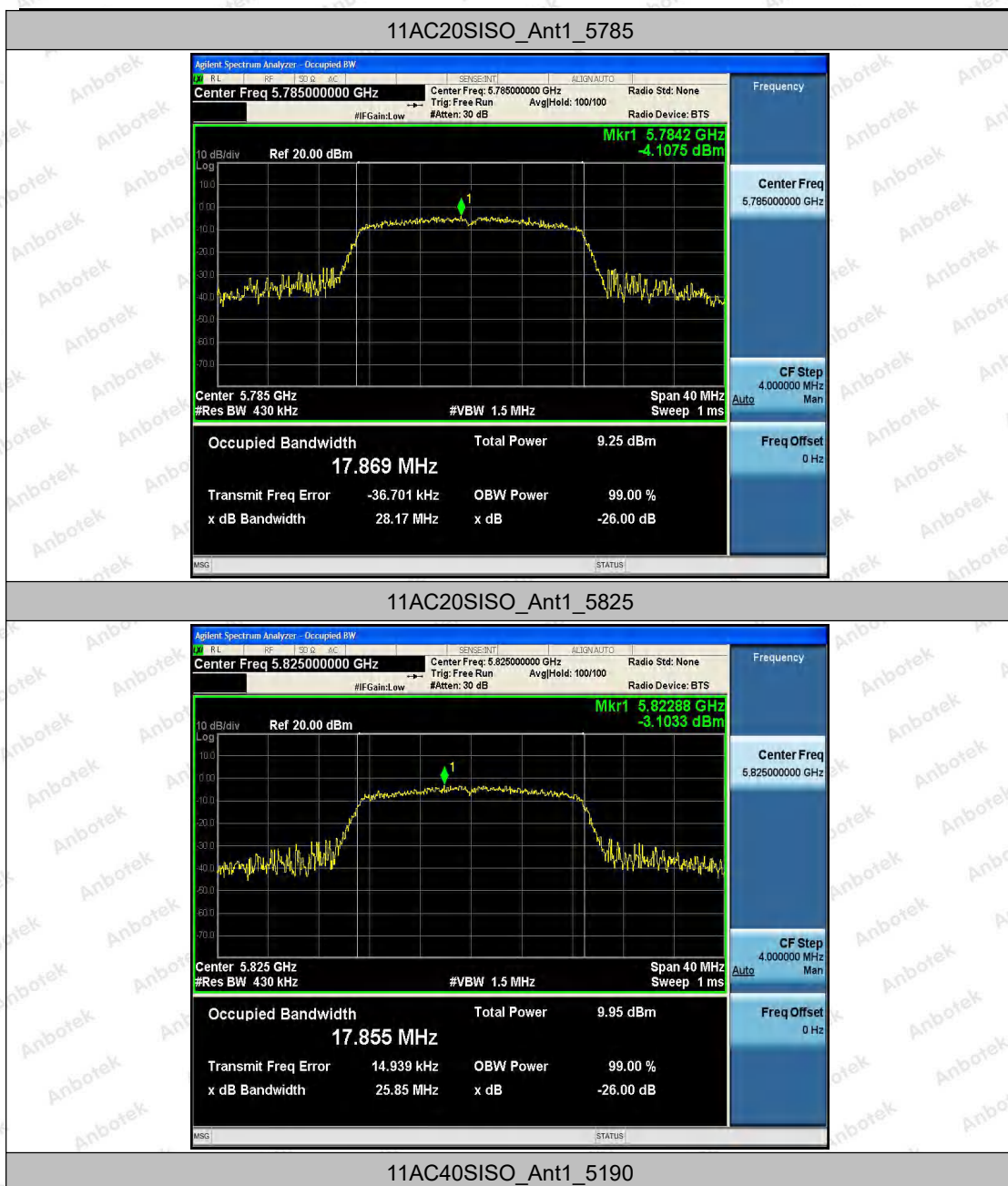


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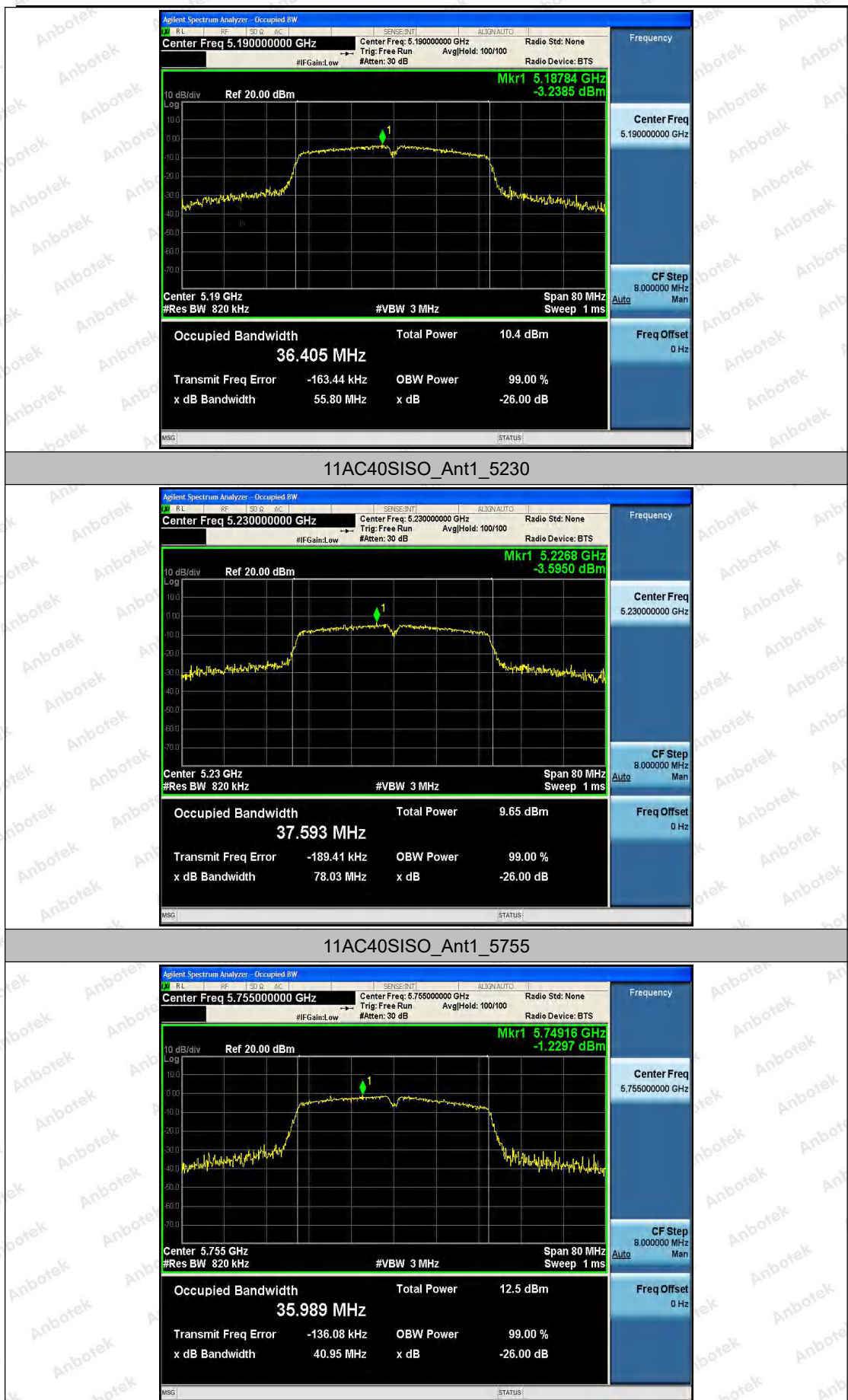


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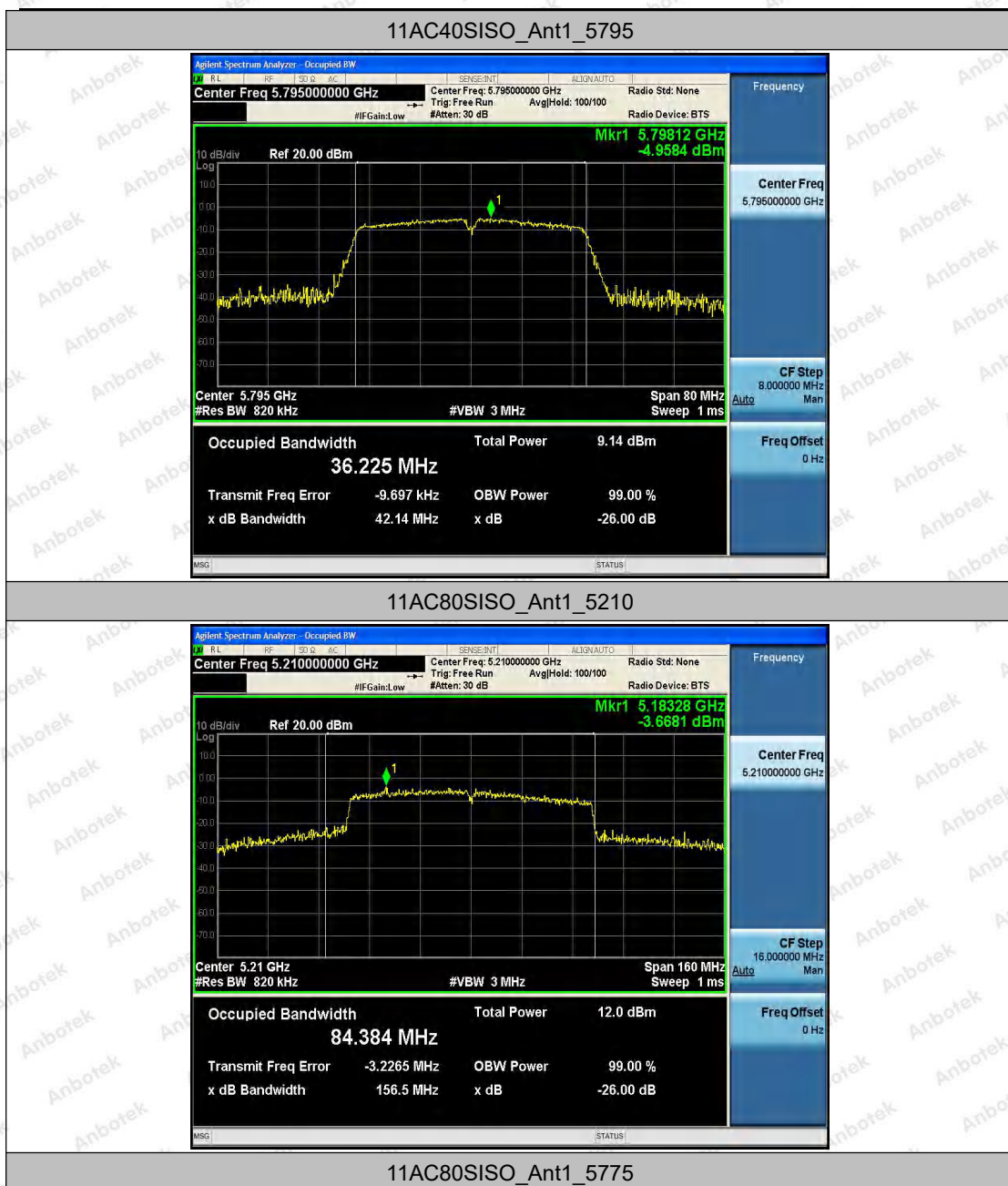


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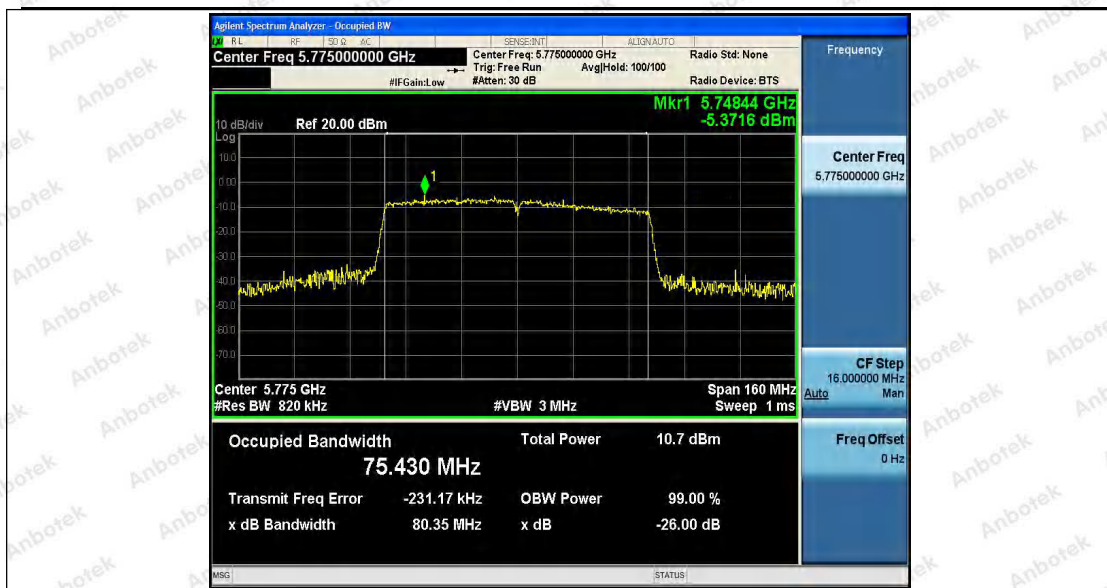


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Appendix A3: Min emission bandwidth

Test Result

Test Mode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	13.280	5737.400	5750.680	0.5	PASS
		5785	14.240	5778.280	5792.520	0.5	PASS
		5825	14.520	5817.400	5831.920	0.5	PASS
11N20SIS O	Ant1	5745	16.200	5736.400	5752.600	0.5	PASS
		5785	15.480	5777.080	5792.560	0.5	PASS
		5825	15.200	5817.480	5832.680	0.5	PASS
11N40SIS O	Ant1	5755	34.000	5737.320	5771.320	0.5	PASS
		5795	35.200	5777.400	5812.600	0.5	PASS
11AC20SI SO	Ant1	5745	13.920	5737.400	5751.320	0.5	PASS
		5785	16.400	5776.400	5792.800	0.5	PASS
		5825	12.880	5818.720	5831.600	0.5	PASS
11AC40SI SO	Ant1	5755	35.200	5737.400	5772.600	0.5	PASS
		5795	35.280	5777.320	5812.600	0.5	PASS
11AC80SI SO	Ant1	5775	75.360	5737.240	5812.600	0.5	PASS

Test Graphs

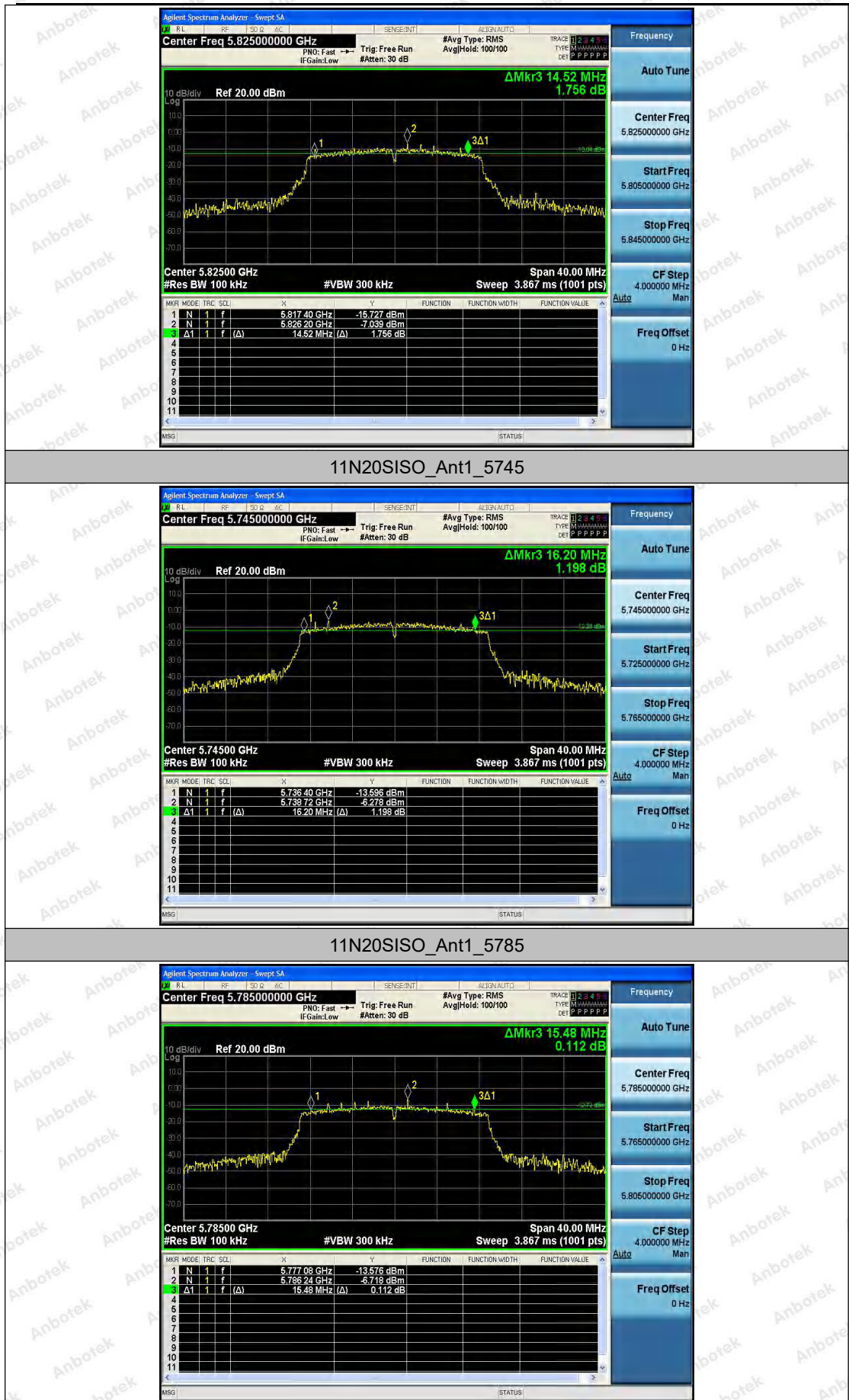


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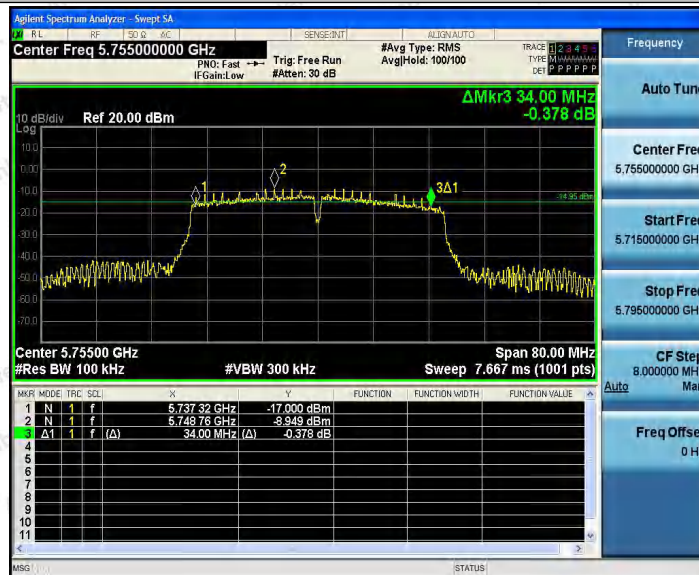
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11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



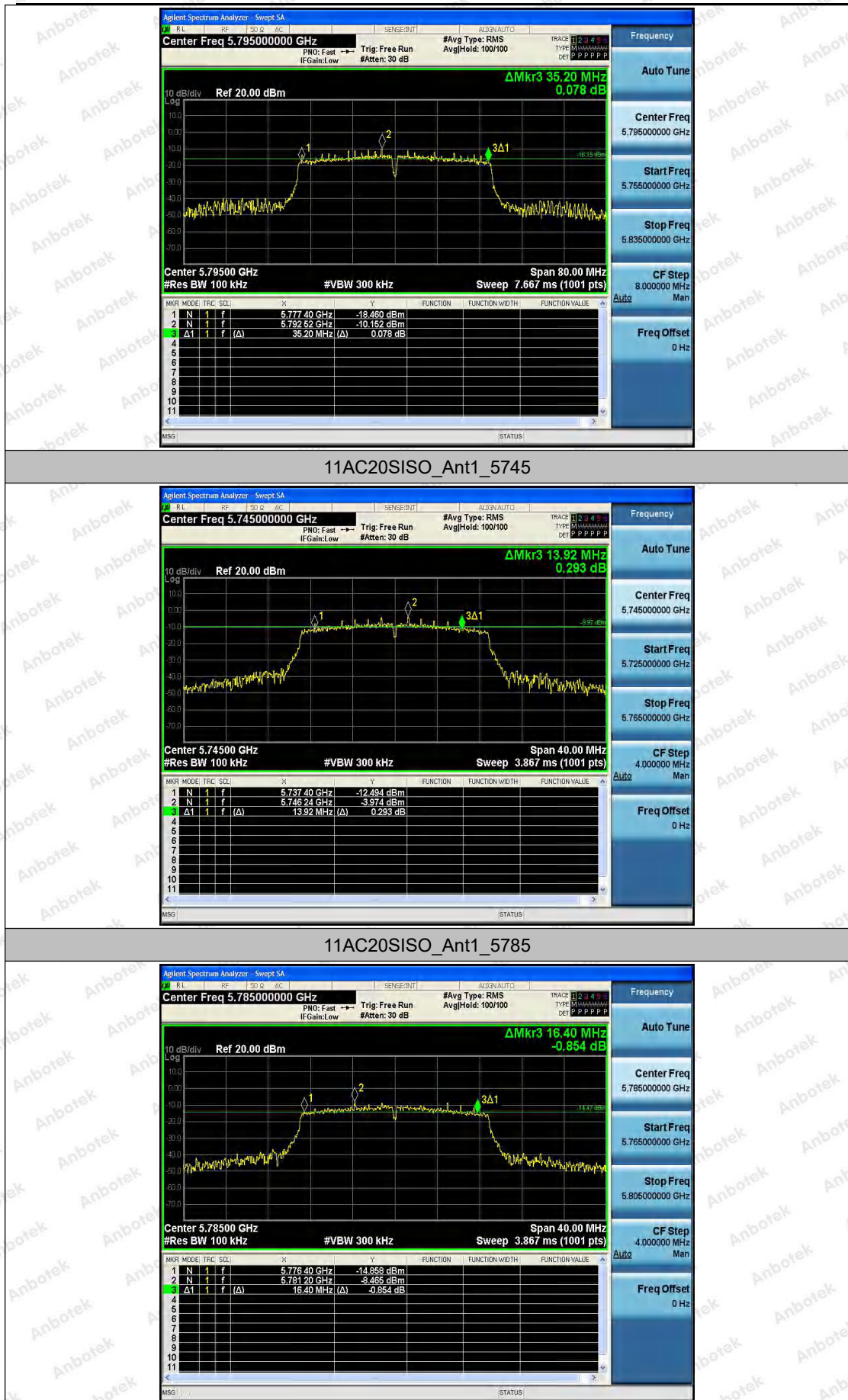
11N40SISO_Ant1_5795

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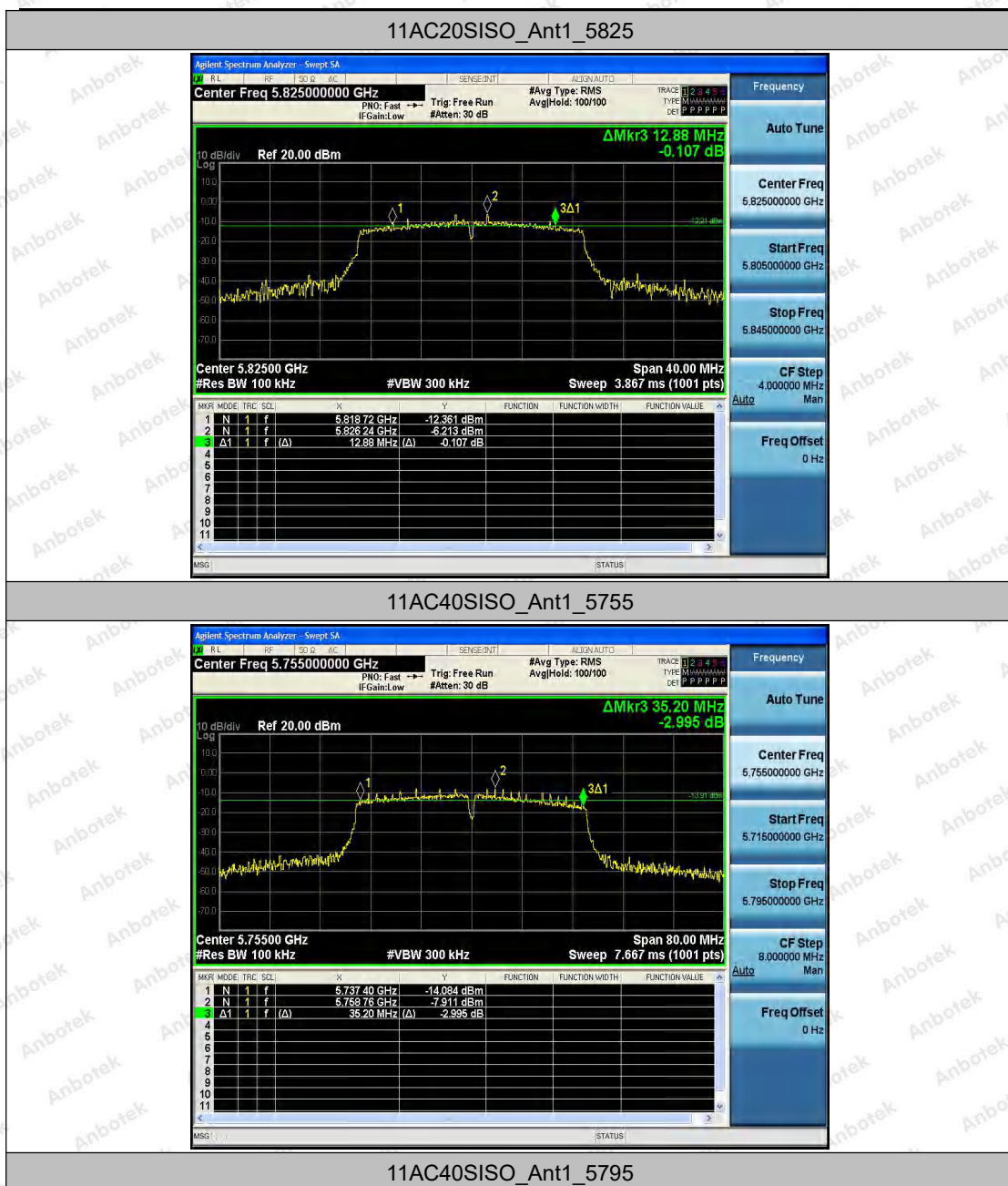


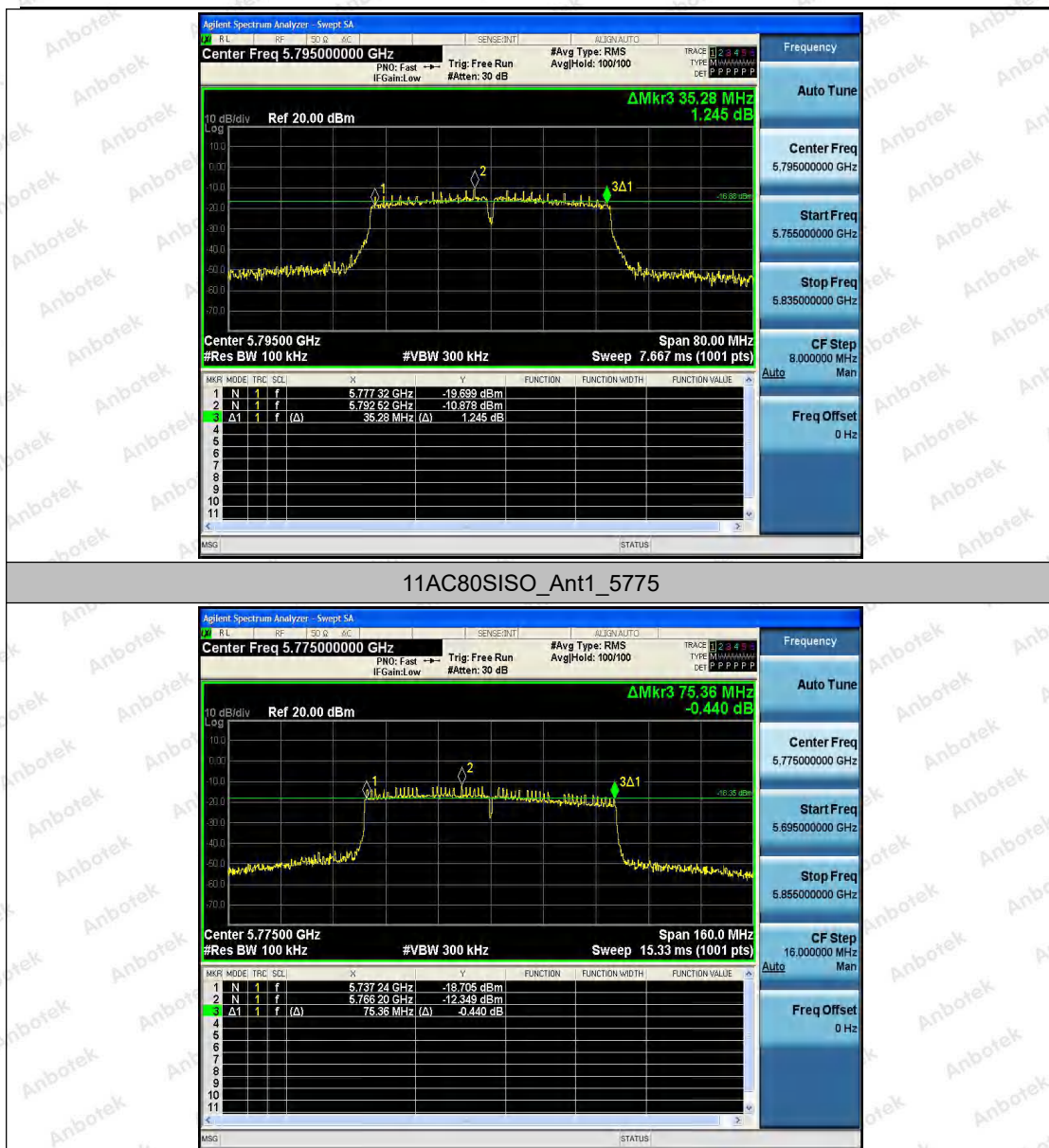
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Appendix B: Maximum conducted output power

Test Result

5.2G:

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	13.09	≤23.98	PASS
		5200	12.35	≤23.98	PASS
		5240	11.13	≤23.98	PASS
11N20SISO	Ant1	5180	12.96	≤23.98	PASS
		5200	12.27	≤23.98	PASS
		5240	11.00	≤23.98	PASS
11N40SISO	Ant1	5190	10.40	≤23.98	PASS
		5230	10.68	≤23.98	PASS
11AC20SISO	Ant1	5180	12.96	≤23.98	PASS
		5200	12.27	≤23.98	PASS
		5240	10.96	≤23.98	PASS
11AC40SISO	Ant1	5190	11.12	≤23.98	PASS
		5230	10.73	≤23.98	PASS
11AC80SISO	Ant1	5210	13.15	≤23.98	PASS

5.8G:

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5745	12.96	≤30	PASS
		5785	11	≤30	PASS
		5825	11.32	≤30	PASS
11N20SISO	Ant1	5745	13.91	≤30	PASS
		5785	10.86	≤30	PASS
		5825	11.07	≤30	PASS
11N40SISO	Ant1	5755	12.34	≤30	PASS
		5795	10.7	≤30	PASS
11AC20SISO	Ant1	5745	13.6	≤30	PASS
		5785	10.82	≤30	PASS
		5825	11.61	≤30	PASS
11AC40SISO	Ant1	5755	13.24	≤30	PASS
		5795	11.3	≤30	PASS
11AC80SISO	Ant1	5775	12.04	≤30	PASS

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

Appendix C: Maximum power spectral density

Test Result

5.2G:

Test Mode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	2.15	≤11	PASS
		5200	1.7	≤11	PASS
		5240	0.19	≤11	PASS
11N20SISO	Ant1	5180	1.86	≤11	PASS
		5200	1.44	≤11	PASS
		5240	0.26	≤11	PASS
11N40SISO	Ant1	5190	-3.46	≤11	PASS
		5230	-3.72	≤11	PASS
11AC20SISO	Ant1	5180	2.03	≤11	PASS
		5200	1.67	≤11	PASS
		5240	0.11	≤11	PASS
11AC40SISO	Ant1	5190	-2.05	≤11	PASS
		5230	-3.33	≤11	PASS
11AC80SISO	Ant1	5210	-2.82	≤11	PASS

5.8G:

Test Mode	Antenna	Channel	Result[dBm/500 kHz]	Limit[dBm/500 kHz]	Verdict
11A	Ant1	5745	-1.87	≤30	PASS
		5785	-2.96	≤30	PASS
		5825	-3.88	≤30	PASS
11N20SISO	Ant1	5745	-0.75	≤30	PASS
		5785	-3.12	≤30	PASS
		5825	-4.04	≤30	PASS
11N40SISO	Ant1	5755	-5.55	≤30	PASS
		5795	-6.66	≤30	PASS
11AC20SISO	Ant1	5745	-1.02	≤30	PASS
		5785	-3.04	≤30	PASS
		5825	-2.67	≤30	PASS
11AC40SISO	Ant1	5755	-4.28	≤30	PASS
		5795	-6.03	≤30	PASS
11AC80SISO	Ant1	5775	-8.63	≤30	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.

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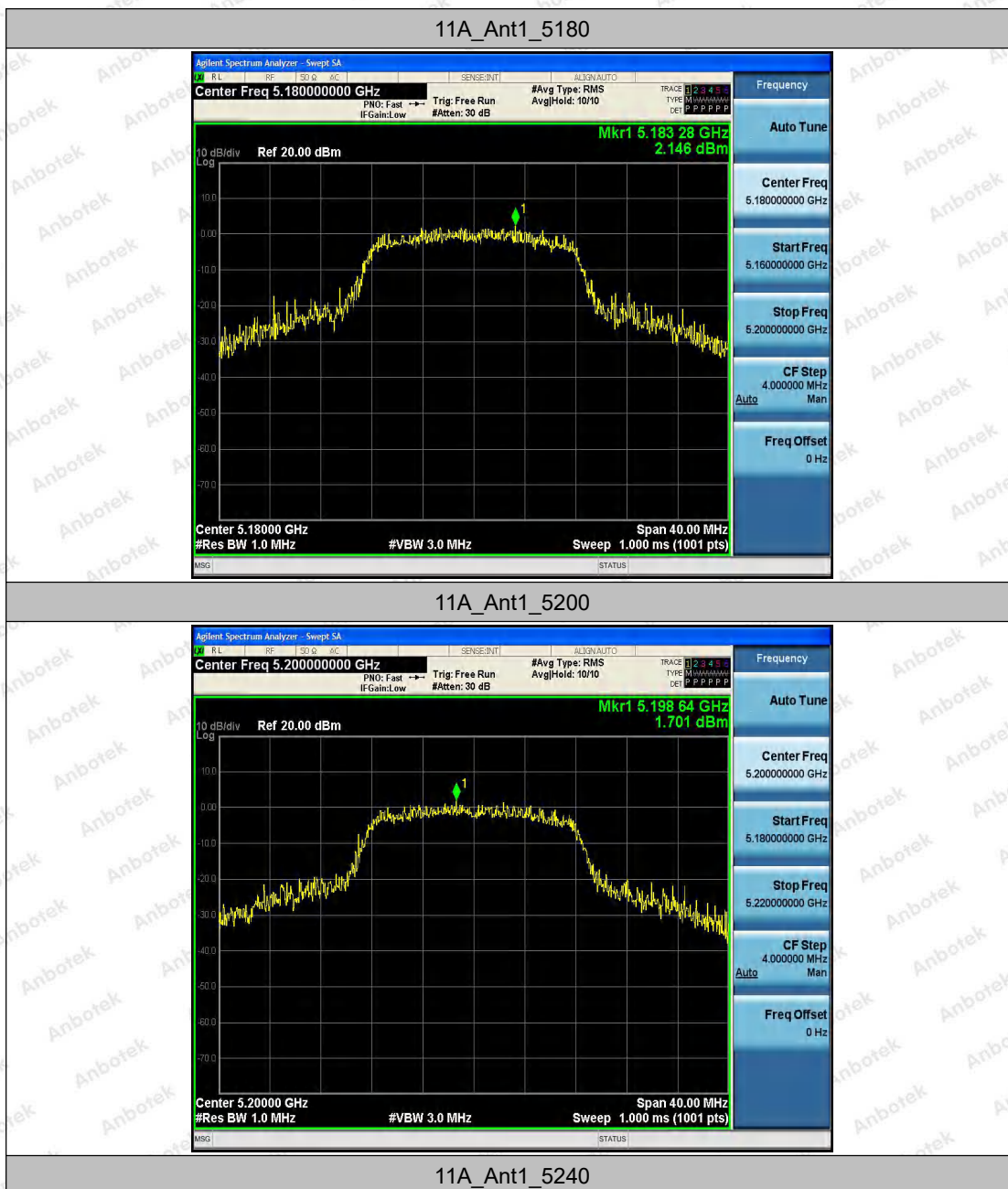


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Test Graphs

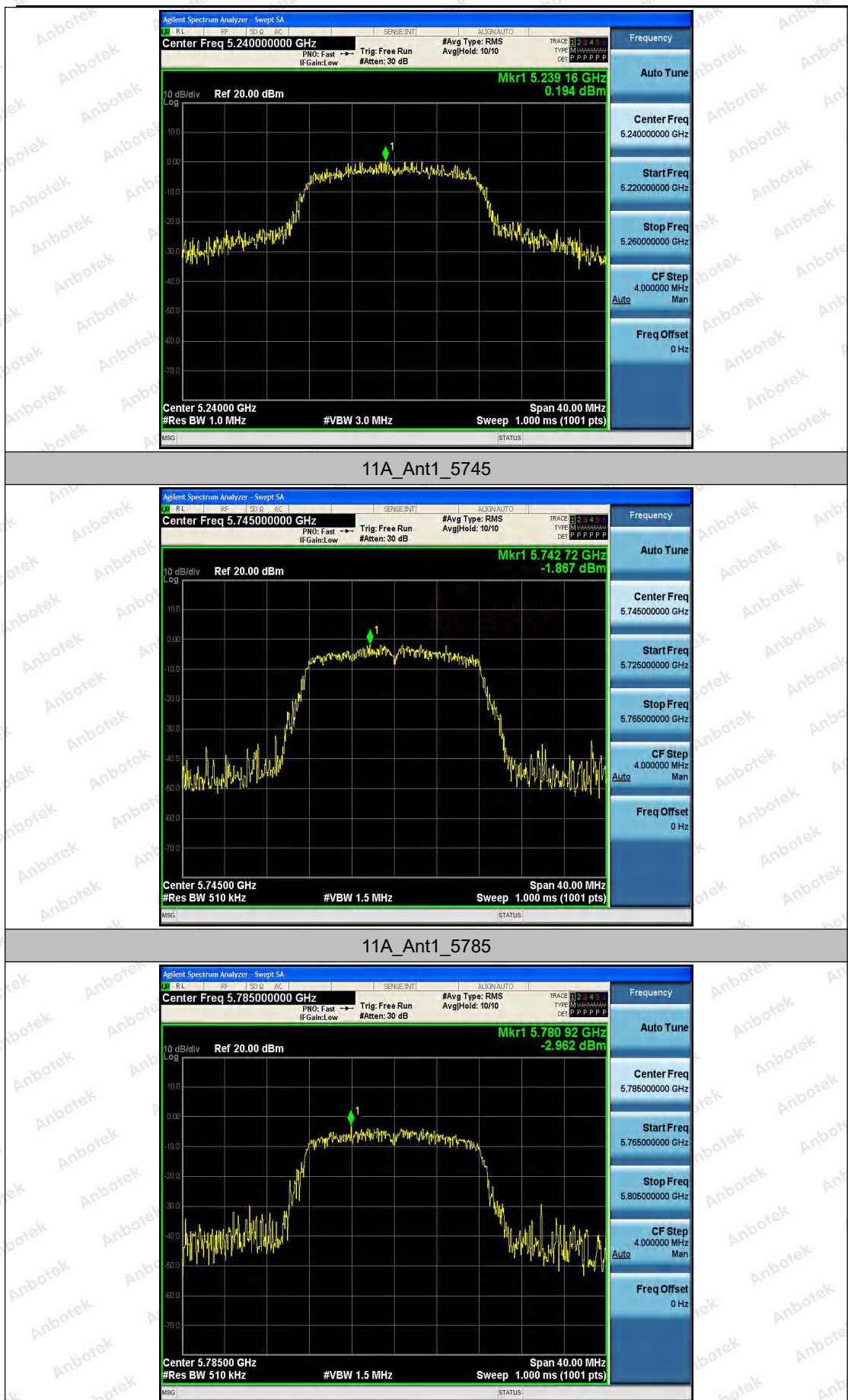


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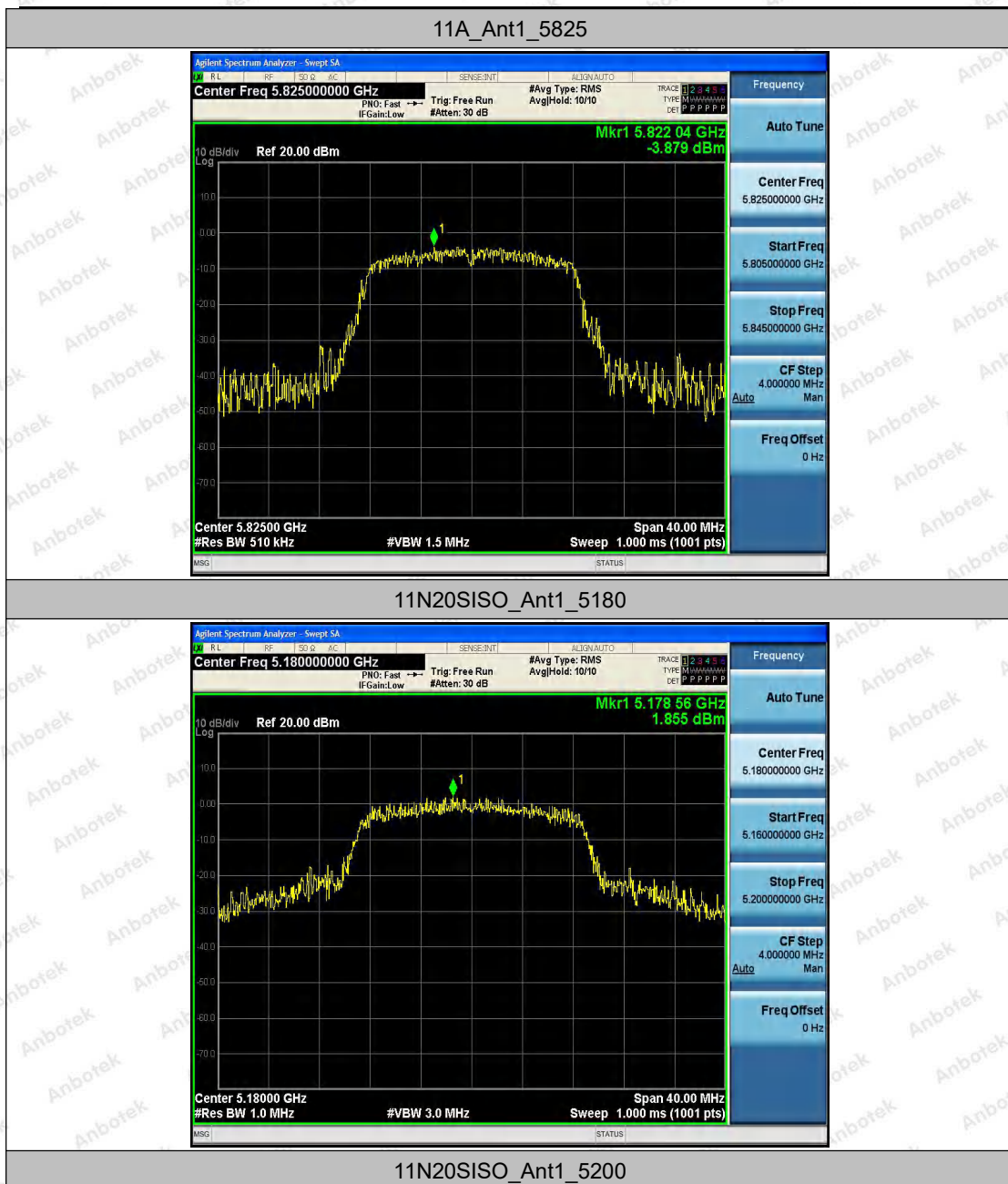


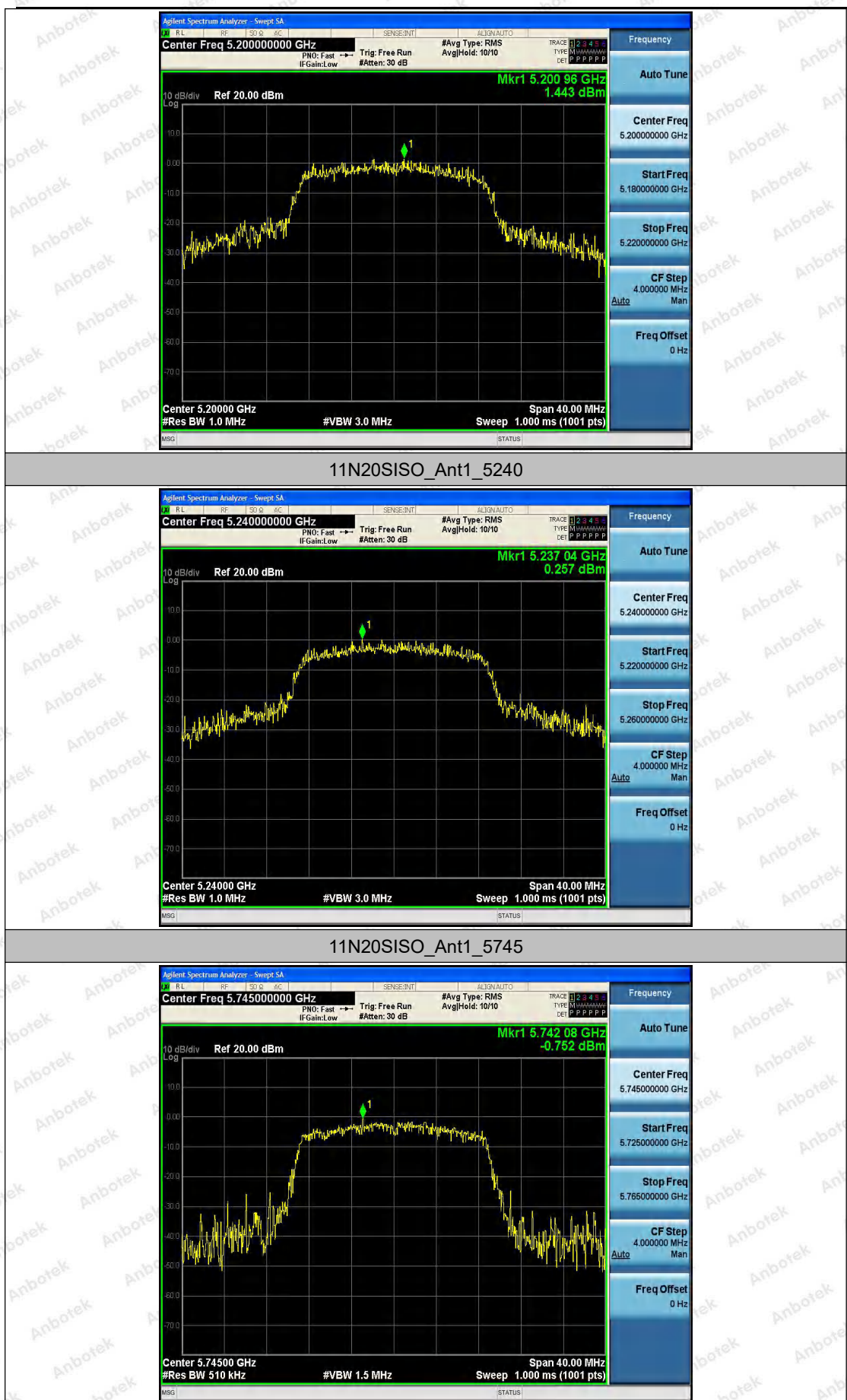
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