

Appendix Test Data

Report No.:	18220WC20039704	Test Sample No.:	1-2-2
Start Test Date:	2022.3.2	Finish Test Date:	2022.3.14
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	Relative Humidity:	56 %
Pressure:	1012 hPa		

Appendix A1: Emission Bandwidth

Test Result

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	21.000	5169.480	5190.480	---	PASS
	Ant2	5180	21.480	5169.360	5190.840	---	PASS
	Ant1	5200	20.960	5189.560	5210.520	---	PASS
	Ant2	5200	20.920	5189.640	5210.560	---	PASS
	Ant1	5240	20.960	5229.520	5250.480	---	PASS
	Ant2	5240	20.920	5229.560	5250.480	---	PASS
	Ant1	5745	20.920	5734.600	5755.520	---	PASS
	Ant2	5745	20.840	5734.640	5755.480	---	PASS
	Ant1	5785	20.880	5774.520	5795.400	---	PASS
	Ant2	5785	20.960	5774.440	5795.400	---	PASS
	Ant1	5825	21.000	5814.520	5835.520	---	PASS
	Ant2	5825	21.320	5814.480	5835.800	---	PASS
11N20SI SO	Ant1	5180	20.920	5169.600	5190.520	---	PASS
	Ant2	5180	21.680	5169.200	5190.880	---	PASS
	Ant1	5200	21.560	5189.120	5210.680	---	PASS
	Ant2	5200	21.600	5189.200	5210.800	---	PASS
	Ant1	5240	21.400	5229.280	5250.680	---	PASS
	Ant2	5240	21.120	5229.520	5250.640	---	PASS
	Ant1	5745	20.880	5734.640	5755.520	---	PASS
	Ant2	5745	20.920	5734.600	5755.520	---	PASS
	Ant1	5785	20.920	5774.480	5795.400	---	PASS
	Ant2	5785	20.880	5774.560	5795.440	---	PASS
	Ant1	5825	20.920	5814.640	5835.560	---	PASS
	Ant2	5825	21.440	5814.280	5835.720	---	PASS
11N40SI	Ant1	5190	39.680	5170.240	5209.920	---	PASS

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SO	Ant2	5190	39.440	5170.240	5209.680	---	PASS
	Ant1	5230	38.960	5210.480	5249.440	---	PASS
	Ant2	5230	39.040	5210.480	5249.520	---	PASS
	Ant1	5755	39.440	5735.320	5774.760	---	PASS
	Ant2	5755	39.120	5735.480	5774.600	---	PASS
	Ant1	5795	39.280	5775.320	5814.600	---	PASS
	Ant2	5795	42.720	5771.960	5814.680	---	PASS
11AC20S ISO	Ant1	5180	21.400	5169.280	5190.680	---	PASS
	Ant2	5180	21.280	5169.400	5190.680	---	PASS
	Ant1	5200	21.240	5189.360	5210.600	---	PASS
	Ant2	5200	21.360	5189.240	5210.600	---	PASS
	Ant1	5240	21.480	5229.400	5250.880	---	PASS
	Ant2	5240	21.120	5229.480	5250.600	---	PASS
	Ant1	5745	21.080	5734.480	5755.560	---	PASS
	Ant2	5745	21.400	5734.360	5755.760	---	PASS
	Ant1	5785	21.240	5774.280	5795.520	---	PASS
	Ant2	5785	21.240	5774.280	5795.520	---	PASS
	Ant1	5825	21.400	5814.200	5835.600	---	PASS
	Ant2	5825	21.480	5814.320	5835.800	---	PASS
11AC40S ISO	Ant1	5190	39.600	5170.080	5209.680	---	PASS
	Ant2	5190	39.520	5170.320	5209.840	---	PASS
	Ant1	5230	39.520	5210.400	5249.920	---	PASS
	Ant2	5230	39.200	5210.480	5249.680	---	PASS
	Ant1	5755	39.680	5735.240	5774.920	---	PASS
	Ant2	5755	39.680	5735.080	5774.760	---	PASS
	Ant1	5795	52.000	5762.760	5814.760	---	PASS
	Ant2	5795	44.080	5770.600	5814.680	---	PASS
11AC80S ISO	Ant1	5210	80.160	5170.000	5250.160	---	PASS
	Ant2	5210	80.960	5169.520	5250.480	---	PASS
	Ant1	5775	80.160	5734.680	5814.840	---	PASS
	Ant2	5775	79.680	5735.160	5814.840	---	PASS

Test Graphs

11A_Ant1_5180

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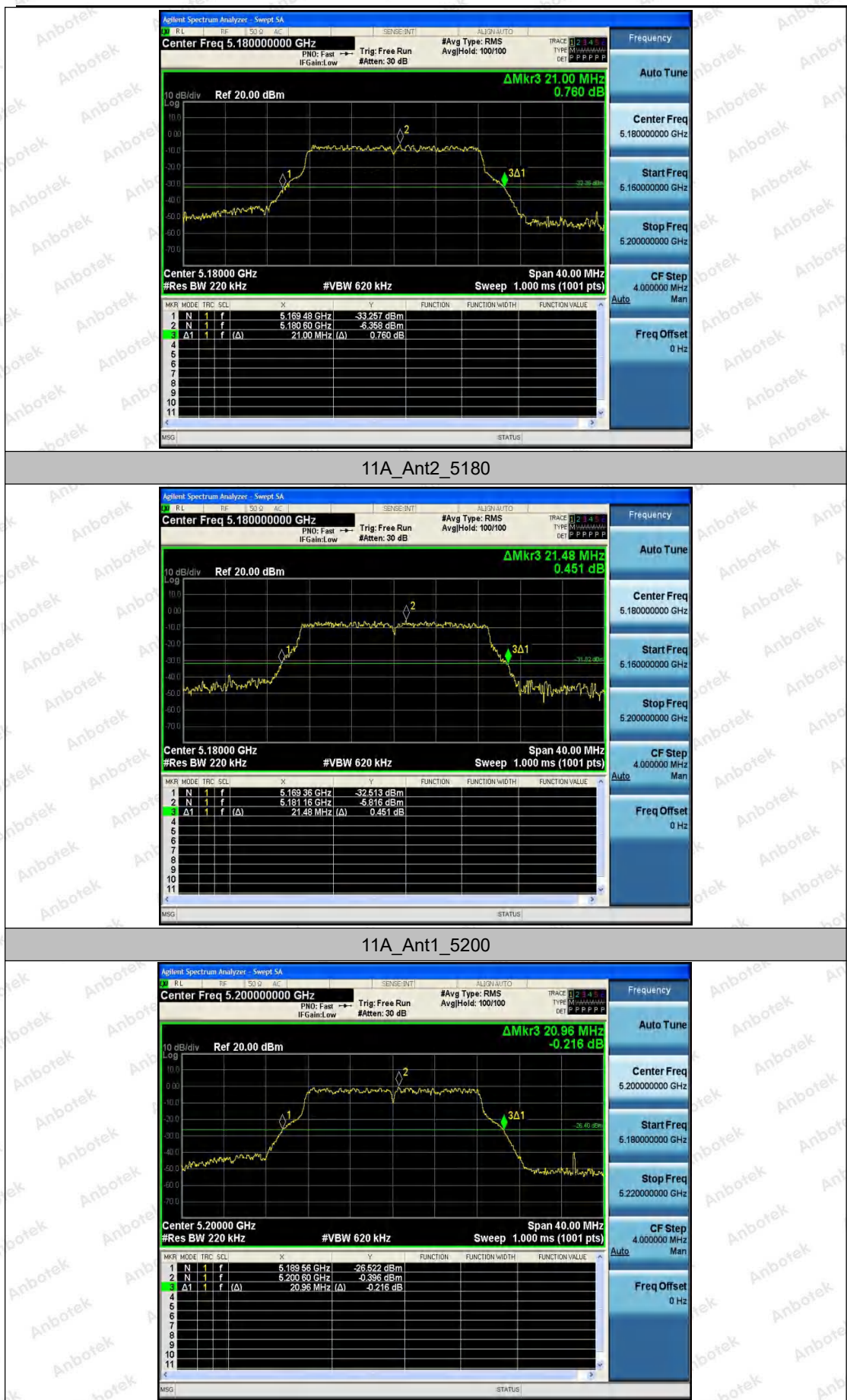
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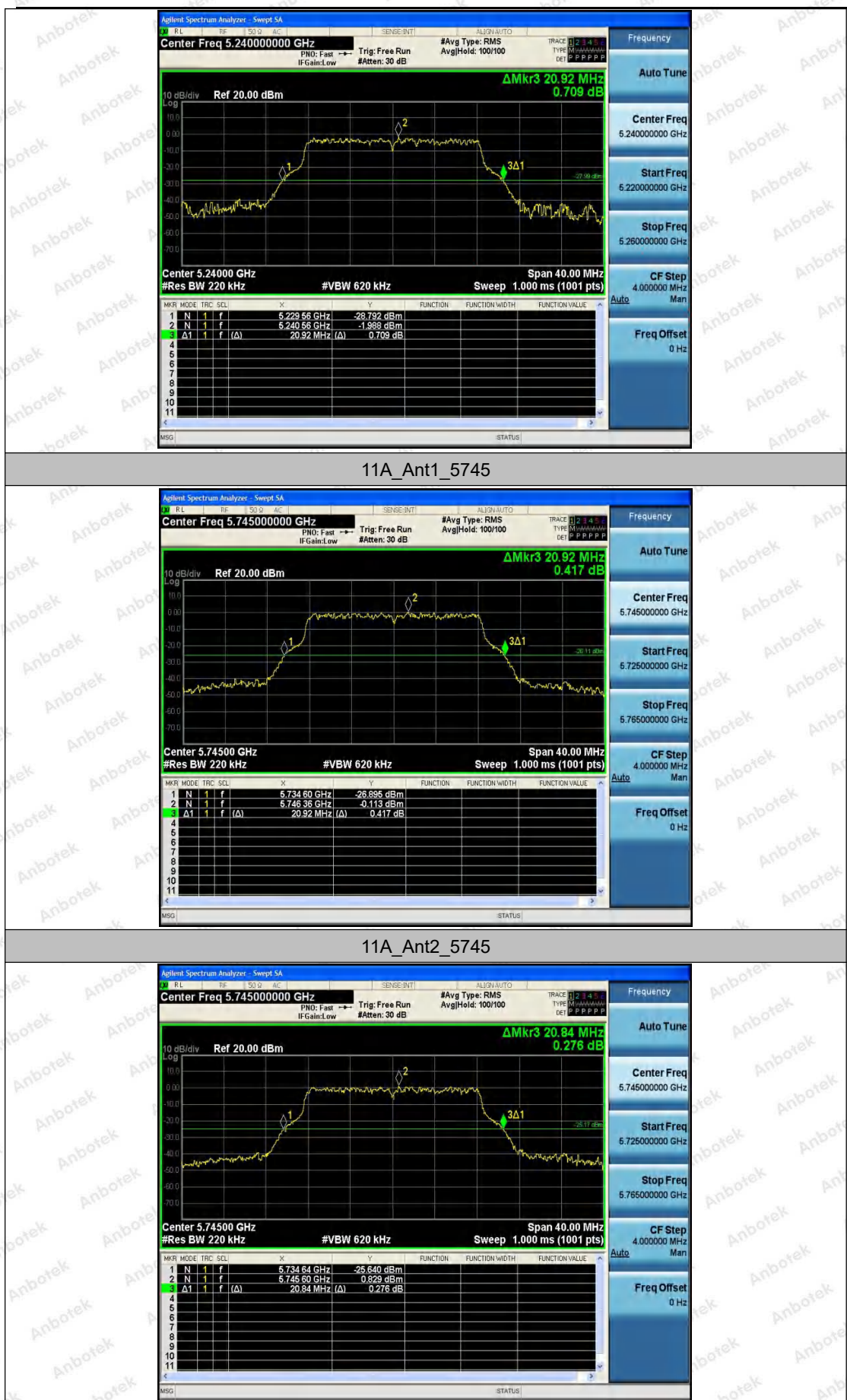


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11A_Ant1_5785



11A_Ant2_5785



11A_Ant1_5825

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11A_Ant2_5825



11N20SISO_Ant1_5180



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11N20SISO_Ant2_5180



11N20SISO_Ant1_5200



11N20SISO_Ant2_5200

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11N20SISO_Ant1_5240



11N20SISO_Ant2_5240



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11N20SISO_Ant1_5745



11N20SISO_Ant2_5745



11N20SISO_Ant1_5785

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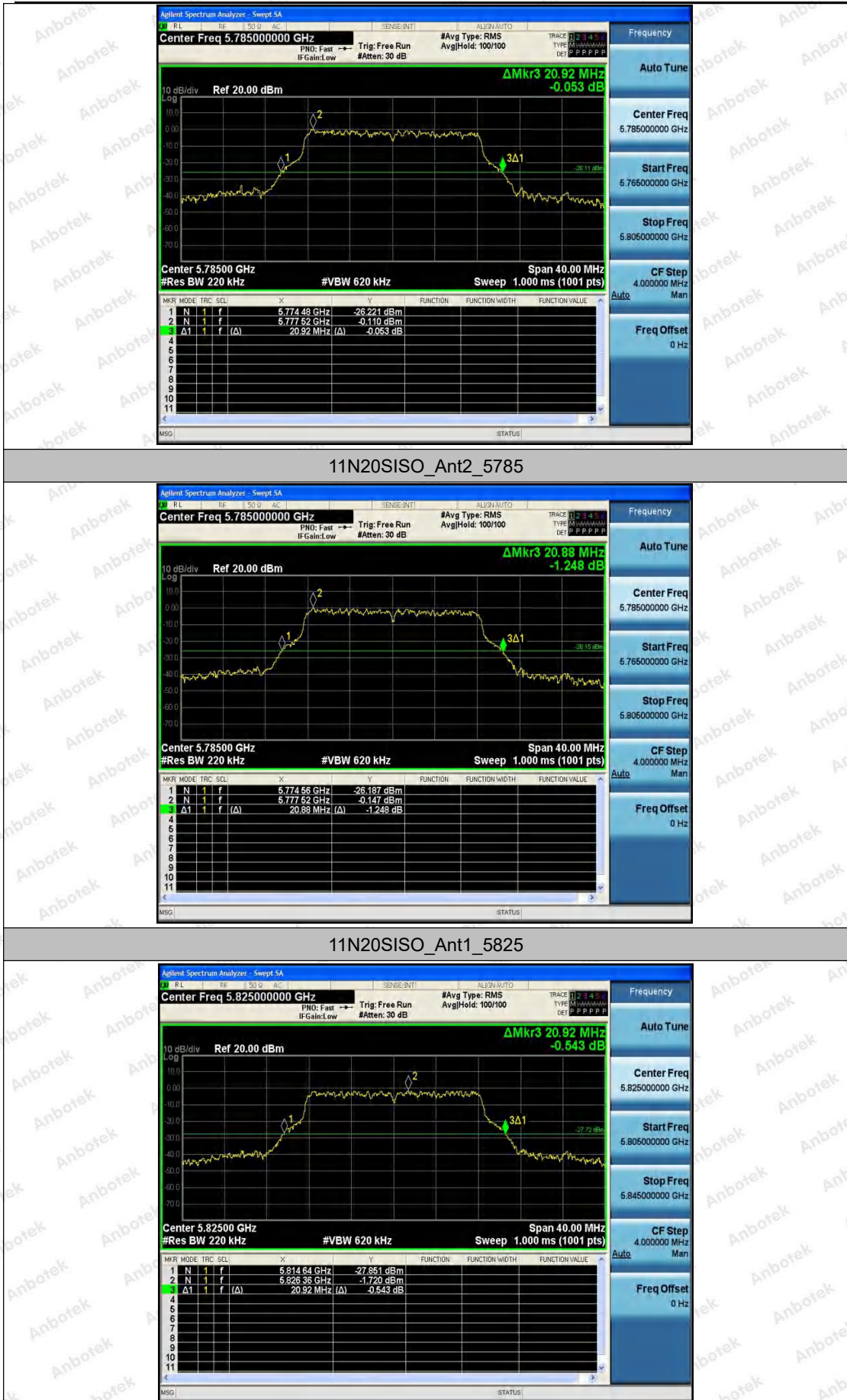
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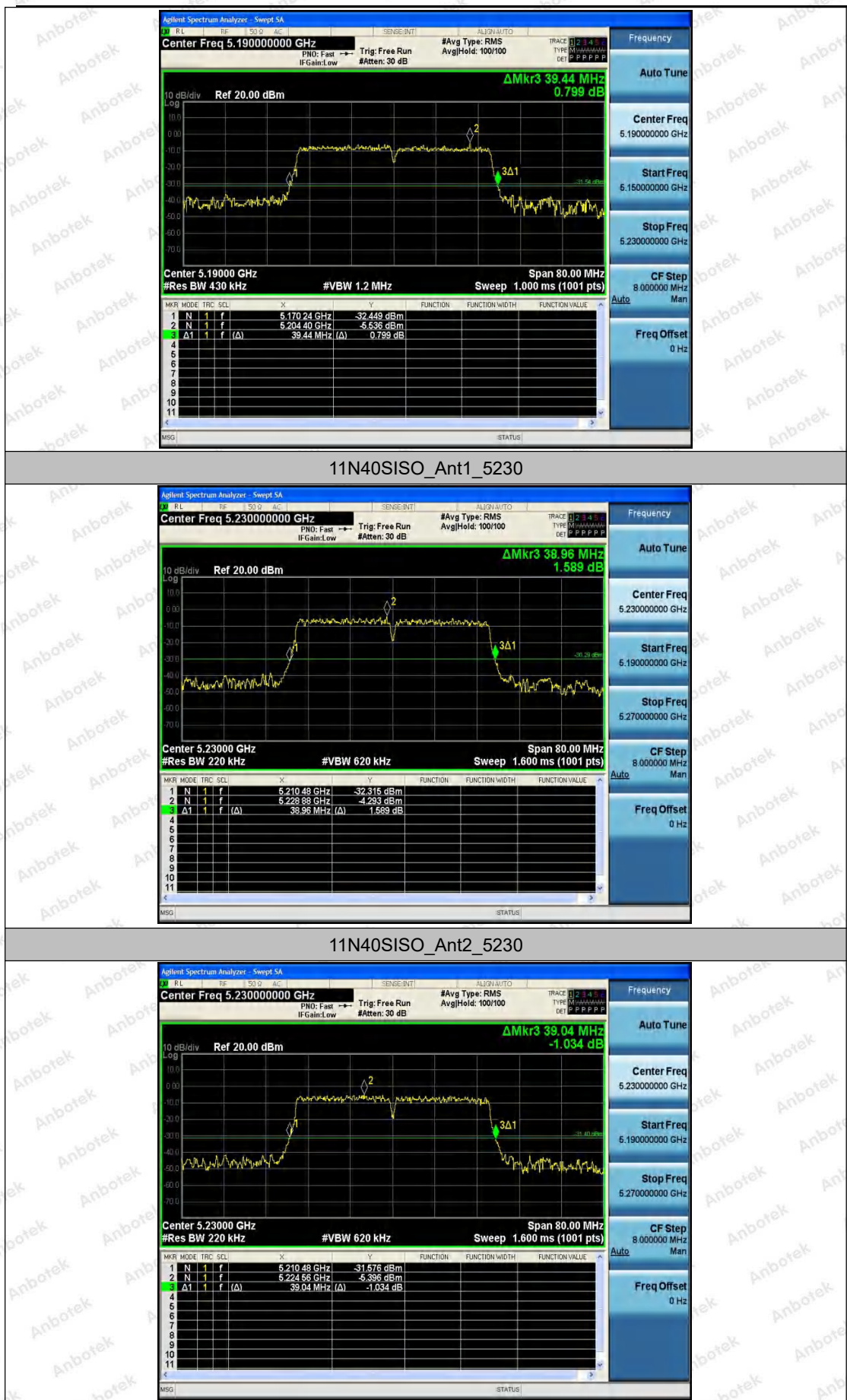
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11N40SISO_Ant1_5190



11N40SISO_Ant2_5190



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11N40SISO_Ant1_5755



11N40SISO_Ant2_5755



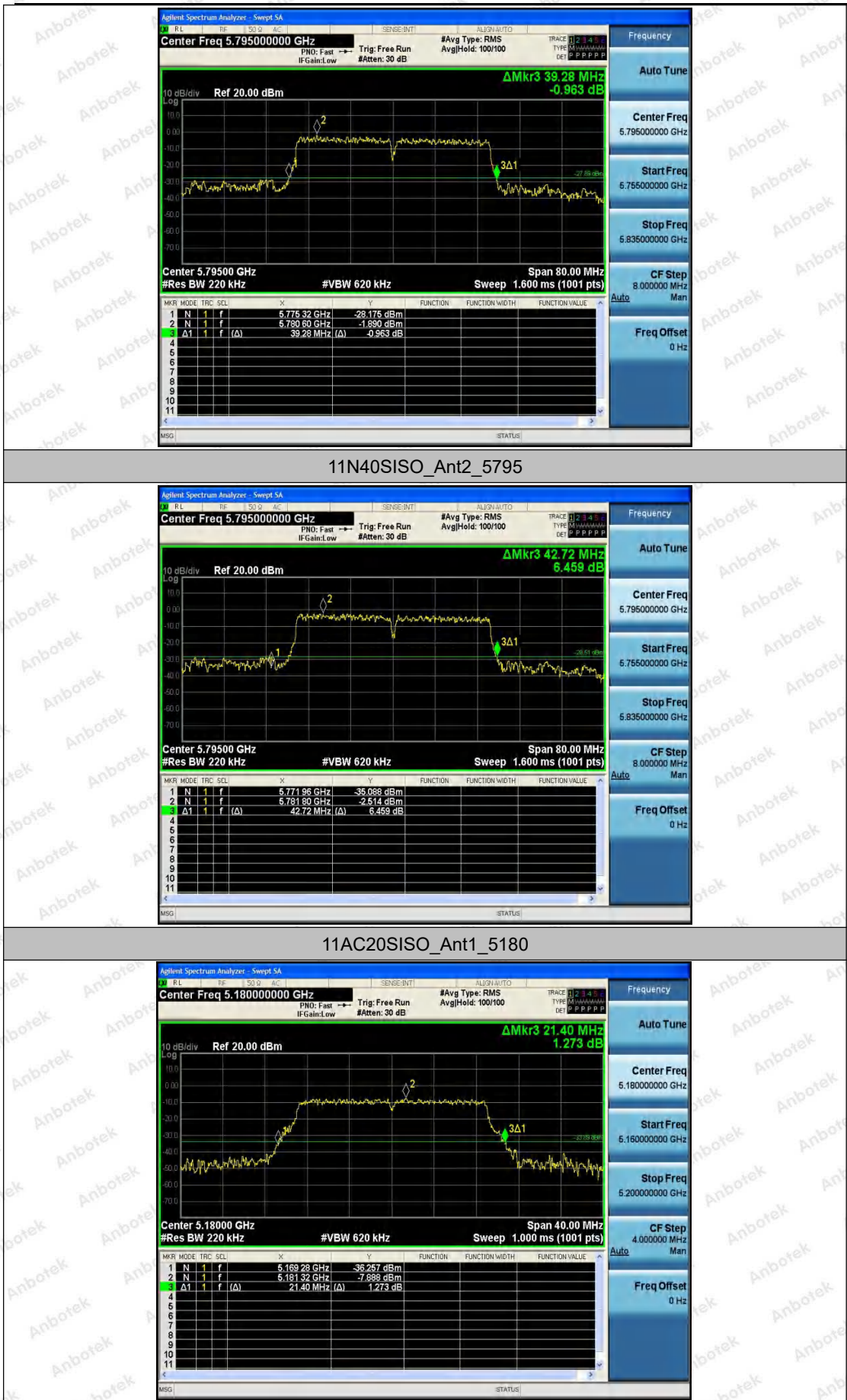
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11AC20SISO_Ant1_5240



11AC20SISO_Ant2_5240

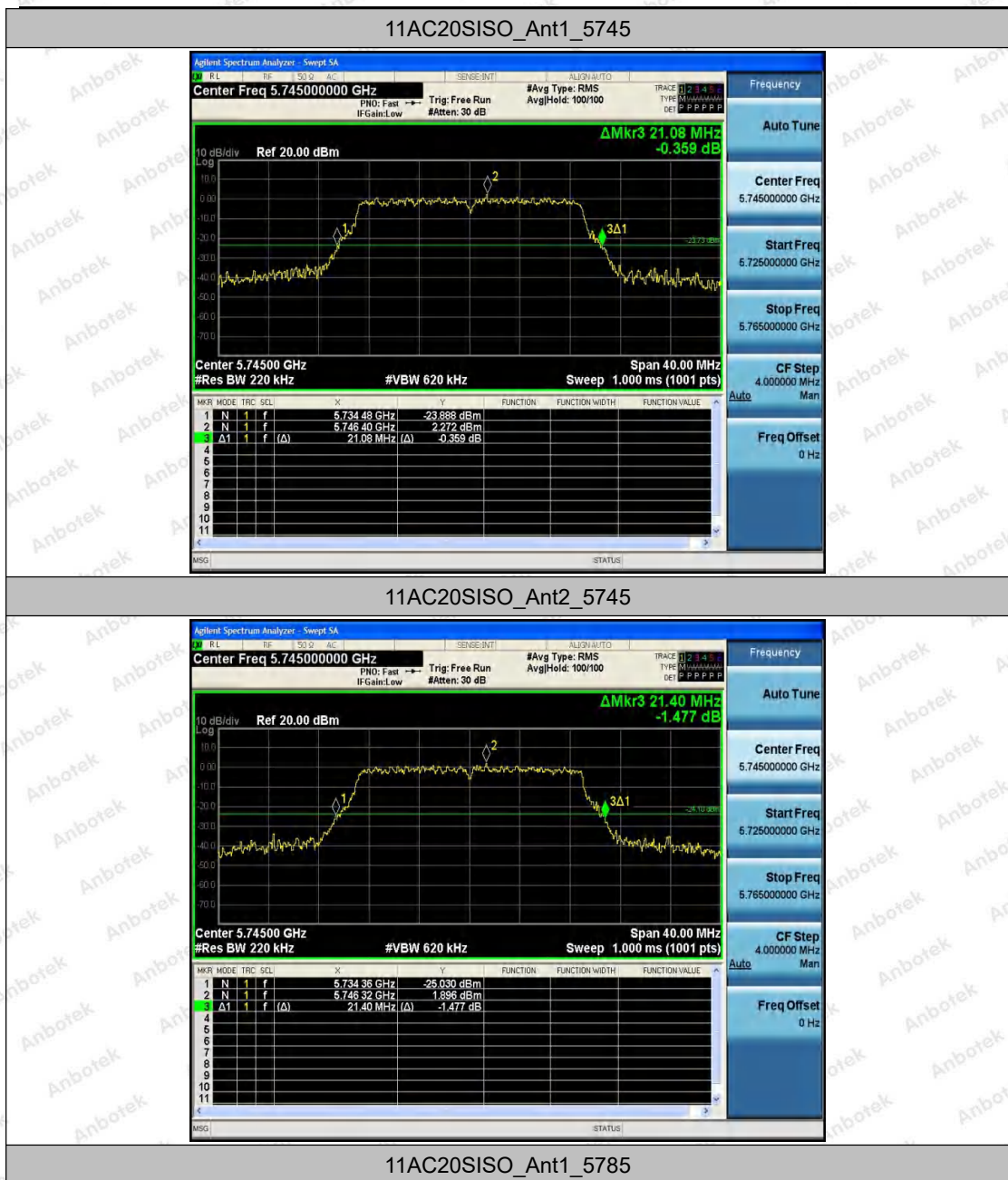


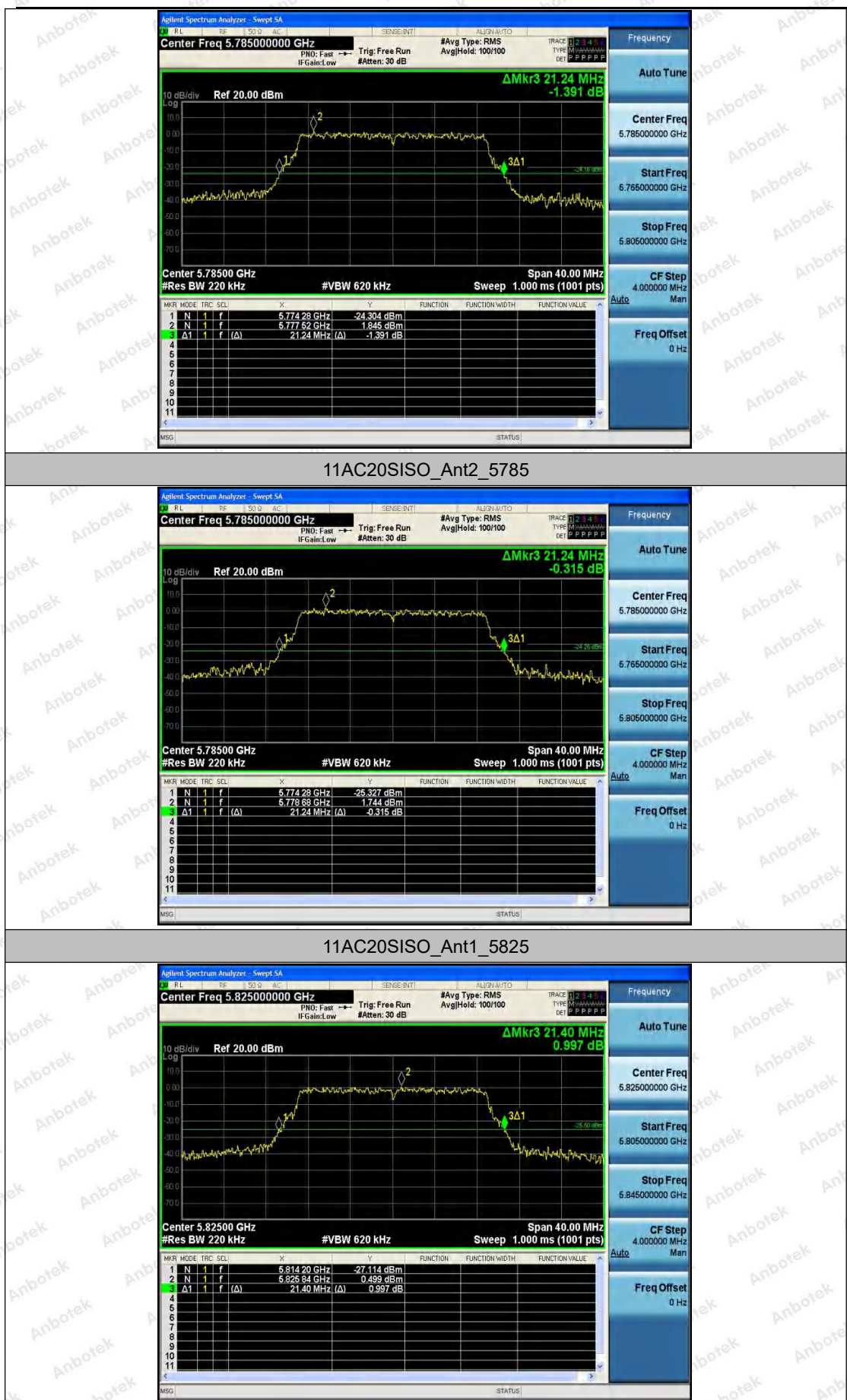
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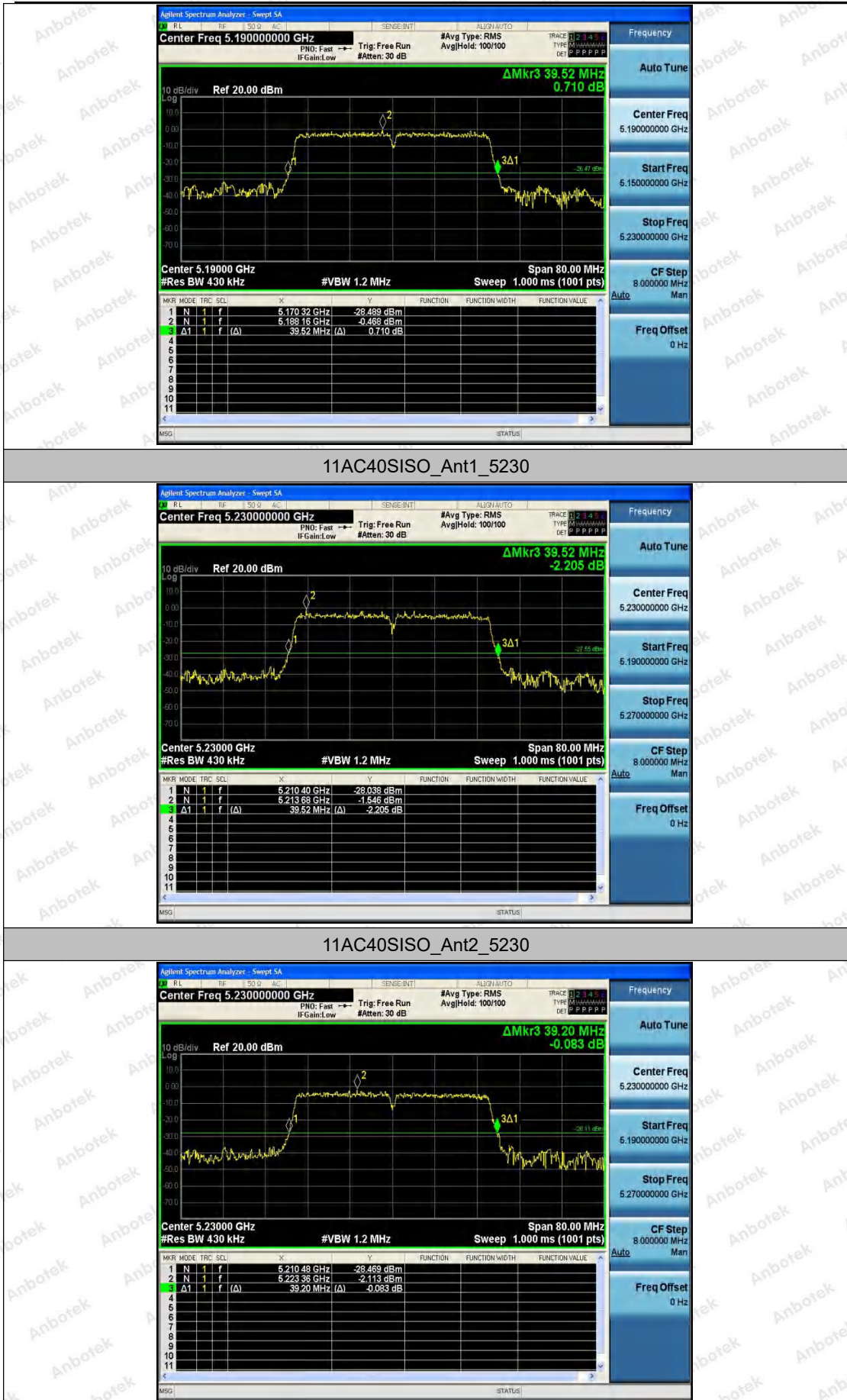
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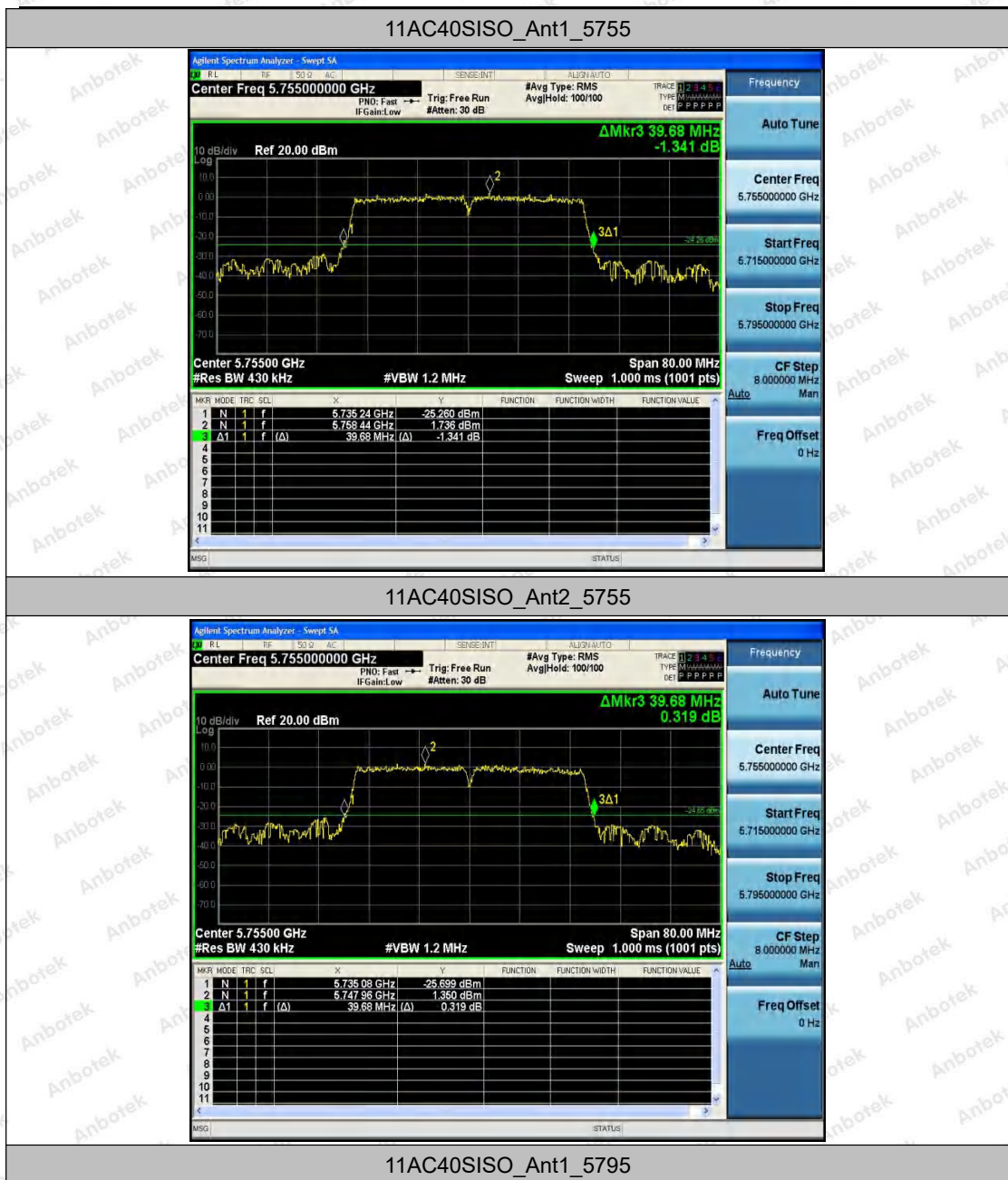


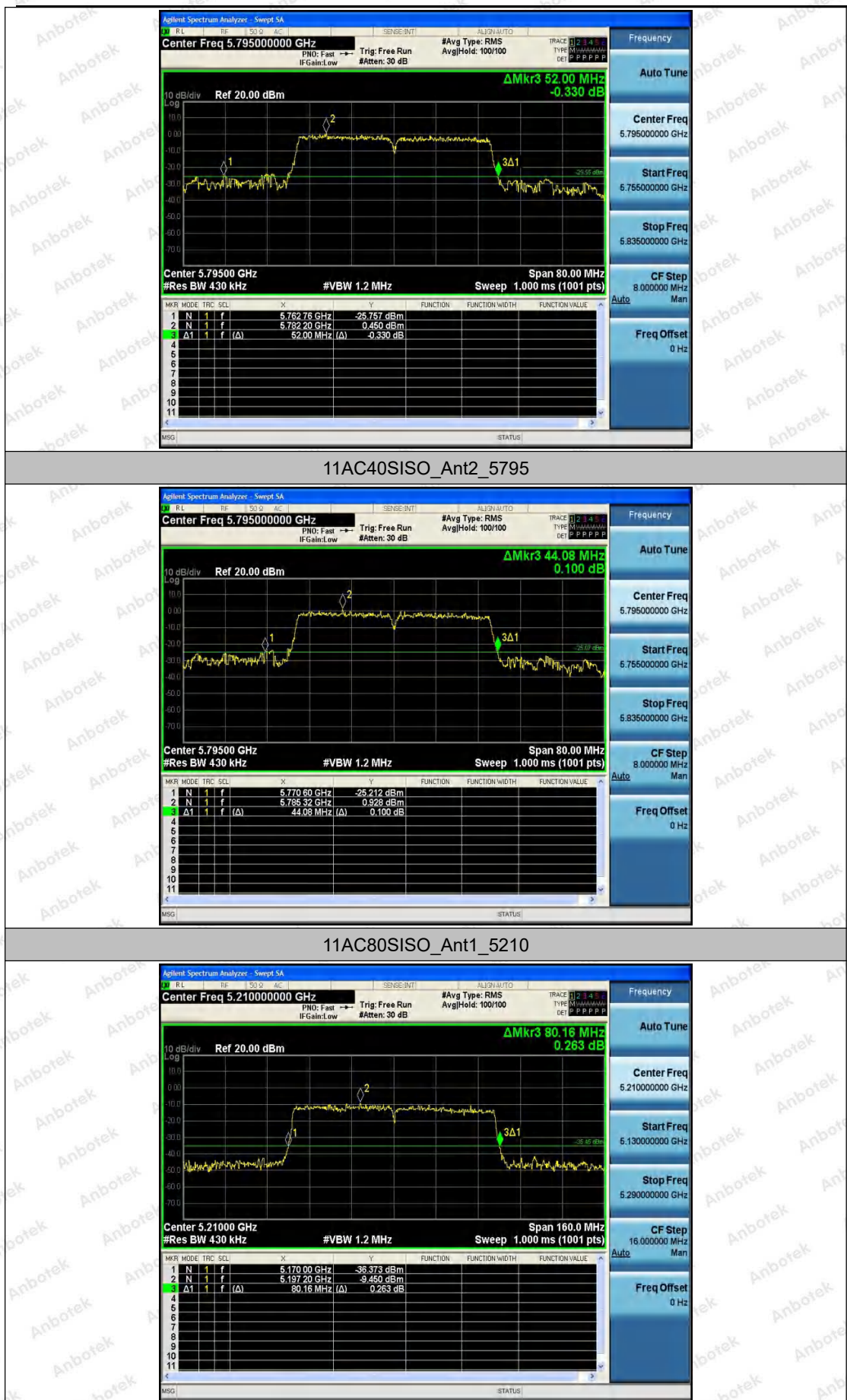
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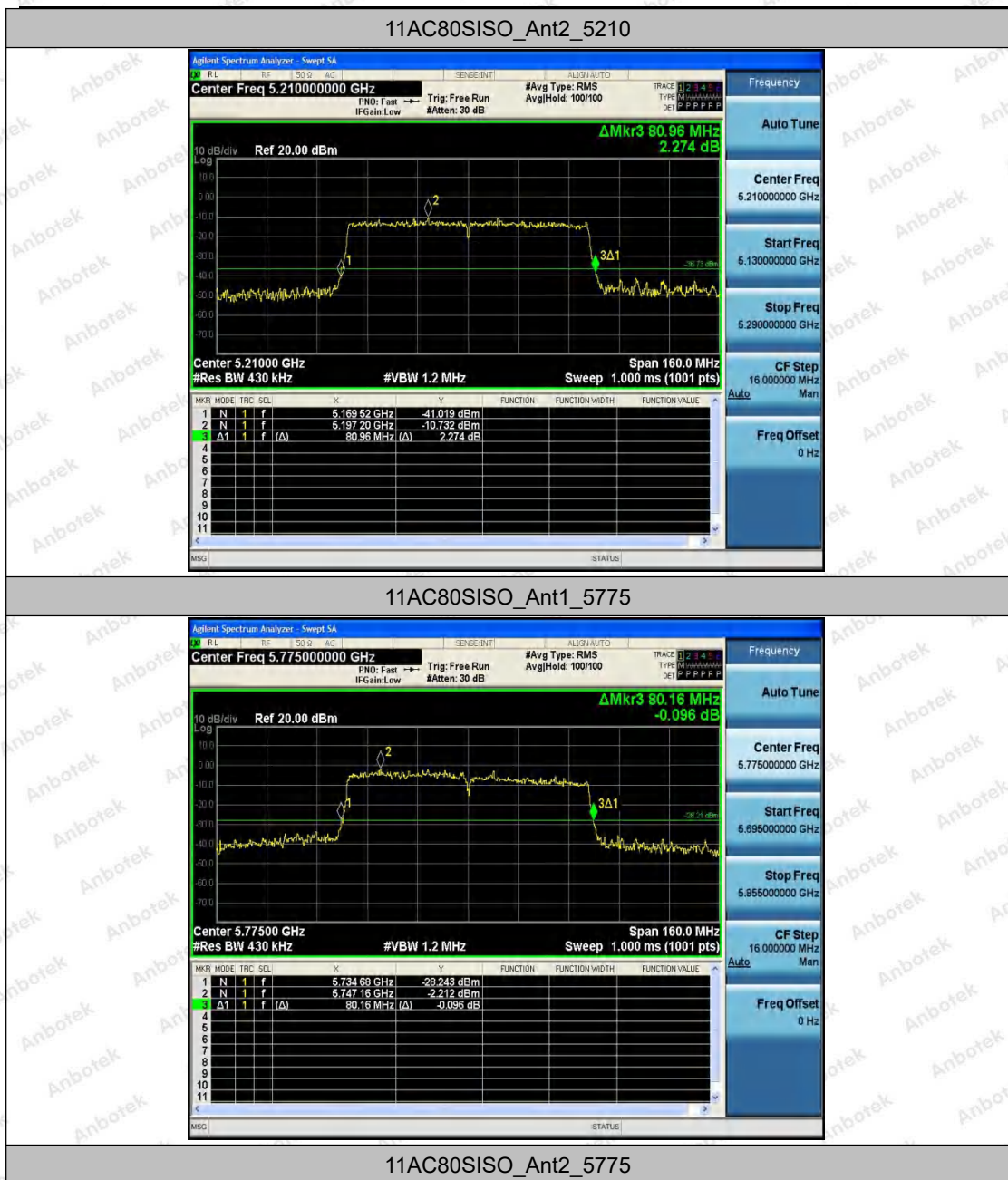


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Appendix A2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	18.141	5170.927	5189.068	---	PASS
	Ant2	5180	18.115	5170.955	5189.070	---	PASS
	Ant1	5200	18.156	5190.932	5209.088	---	PASS
	Ant2	5200	16.852	5191.620	5208.472	---	PASS
	Ant1	5240	16.907	5231.617	5248.524	---	PASS
	Ant2	5240	16.934	5231.592	5248.526	---	PASS
	Ant1	5745	16.872	5736.679	5753.551	---	PASS
	Ant2	5745	16.880	5736.677	5753.557	---	PASS
	Ant1	5785	16.876	5776.569	5793.445	---	PASS
	Ant2	5785	16.923	5776.541	5793.464	---	PASS
	Ant1	5825	16.847	5816.625	5833.472	---	PASS
	Ant2	5825	16.900	5816.635	5833.535	---	PASS
11N20SI SO	Ant1	5180	18.166	5170.975	5189.141	---	PASS
	Ant2	5180	18.187	5170.953	5189.140	---	PASS
	Ant1	5200	18.205	5190.916	5209.121	---	PASS
	Ant2	5200	18.211	5190.943	5209.154	---	PASS
	Ant1	5240	18.194	5230.953	5249.147	---	PASS
	Ant2	5240	18.147	5230.942	5249.089	---	PASS
	Ant1	5745	16.855	5736.656	5753.511	---	PASS
	Ant2	5745	18.140	5735.997	5754.137	---	PASS
	Ant1	5785	16.945	5776.539	5793.484	---	PASS
	Ant2	5785	18.120	5775.924	5794.044	---	PASS
	Ant1	5825	16.915	5816.639	5833.554	---	PASS
	Ant2	5825	18.141	5815.978	5834.119	---	PASS
11N40SI SO	Ant1	5190	36.337	5171.872	5208.209	---	PASS
	Ant2	5190	36.375	5171.905	5208.280	---	PASS
	Ant1	5230	36.335	5211.847	5248.182	---	PASS
	Ant2	5230	36.296	5211.864	5248.160	---	PASS
	Ant1	5755	36.401	5736.811	5773.212	---	PASS
	Ant2	5755	36.282	5736.858	5773.140	---	PASS
	Ant1	5795	36.543	5776.734	5813.277	---	PASS
	Ant2	5795	36.517	5776.732	5813.249	---	PASS
11AC20S ISO	Ant1	5180	18.328	5170.781	5189.109	---	PASS
	Ant2	5180	18.297	5170.858	5189.155	---	PASS
	Ant1	5200	18.223	5190.891	5209.114	---	PASS
	Ant2	5200	18.150	5190.933	5209.083	---	PASS
	Ant1	5240	18.241	5230.850	5249.091	---	PASS

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	Ant2	5240	18.201	5230.919	5249.120	---	PASS
	Ant1	5745	18.231	5735.905	5754.136	---	PASS
	Ant2	5745	18.123	5736.028	5754.151	---	PASS
	Ant1	5785	18.249	5775.852	5794.101	---	PASS
	Ant2	5785	18.124	5775.888	5794.012	---	PASS
	Ant1	5825	18.111	5816.007	5834.118	---	PASS
	Ant2	5825	18.177	5816.002	5834.179	---	PASS
11AC40S ISO	Ant1	5190	36.518	5171.746	5208.264	---	PASS
	Ant2	5190	36.471	5171.810	5208.281	---	PASS
	Ant1	5230	36.551	5211.743	5248.294	---	PASS
	Ant2	5230	36.481	5211.778	5248.259	---	PASS
	Ant1	5755	36.491	5736.872	5773.363	---	PASS
	Ant2	5755	36.351	5736.899	5773.250	---	PASS
	Ant1	5795	36.814	5776.538	5813.352	---	PASS
11AC80S ISO	Ant2	5795	36.796	5776.560	5813.356	---	PASS
	Ant1	5210	75.863	5171.954	5247.817	---	PASS
	Ant2	5210	75.646	5172.186	5247.832	---	PASS
	Ant1	5775	75.793	5736.910	5812.703	---	PASS
	Ant2	5775	75.701	5737.013	5812.714	---	PASS

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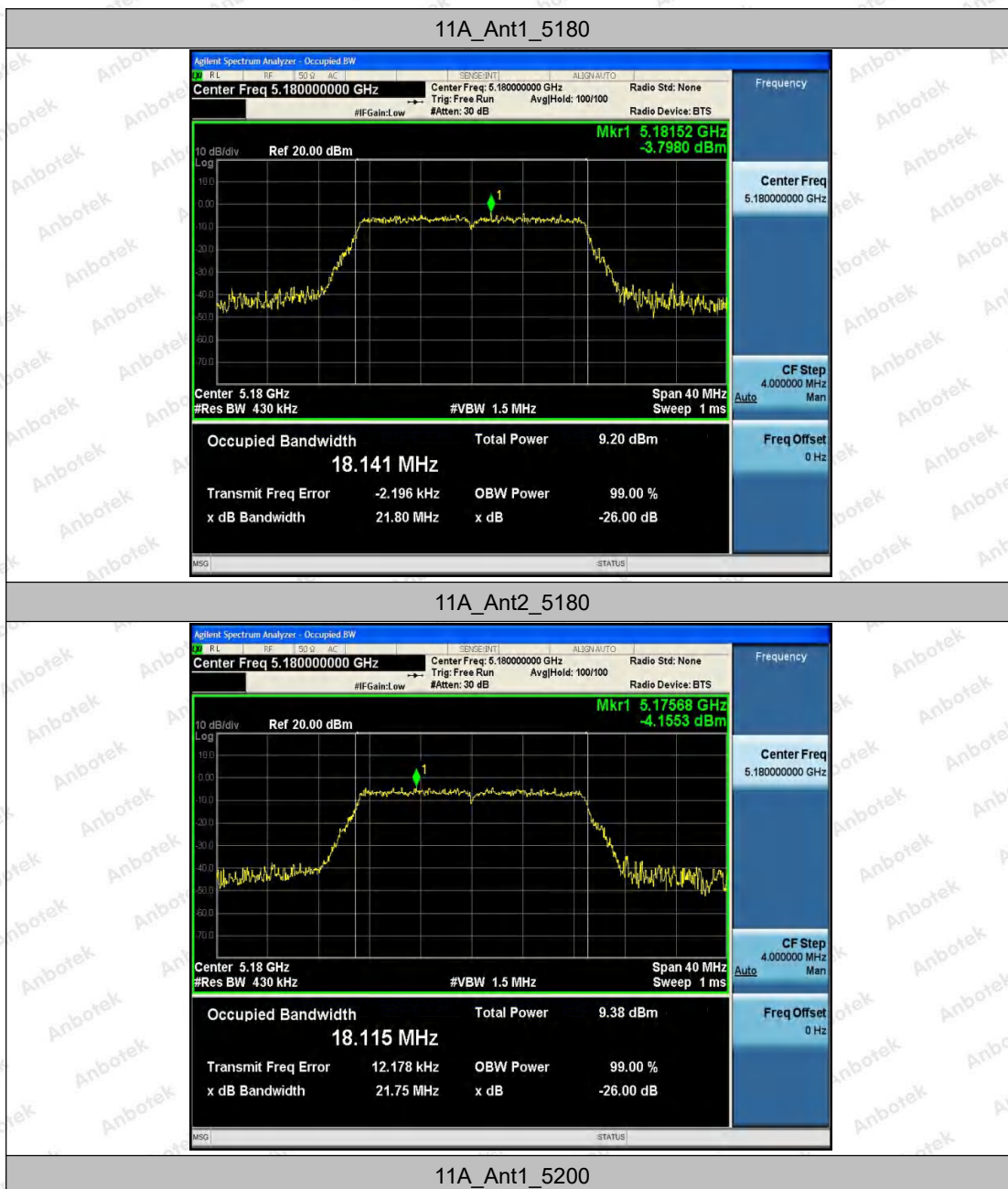
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Test Graphs

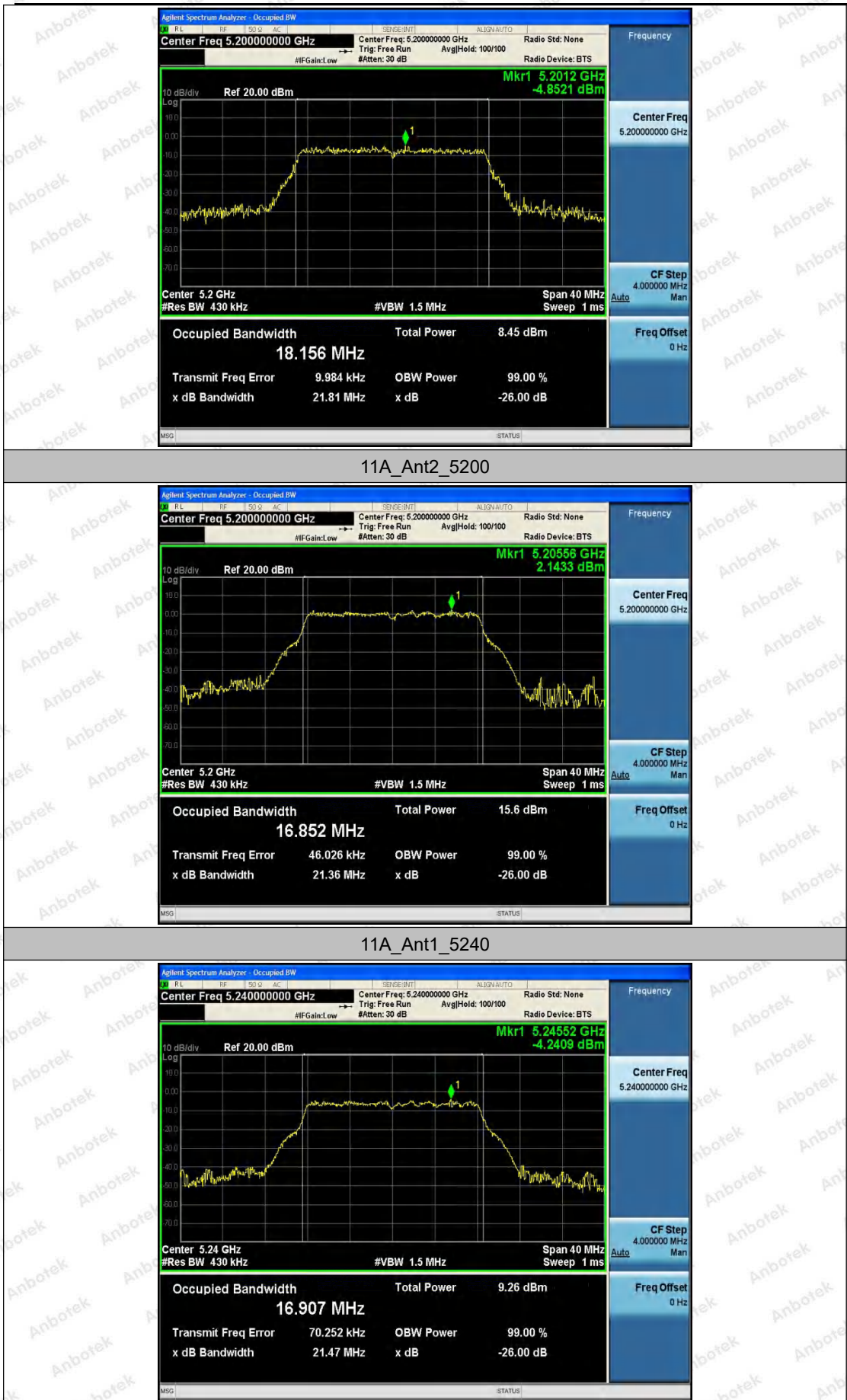


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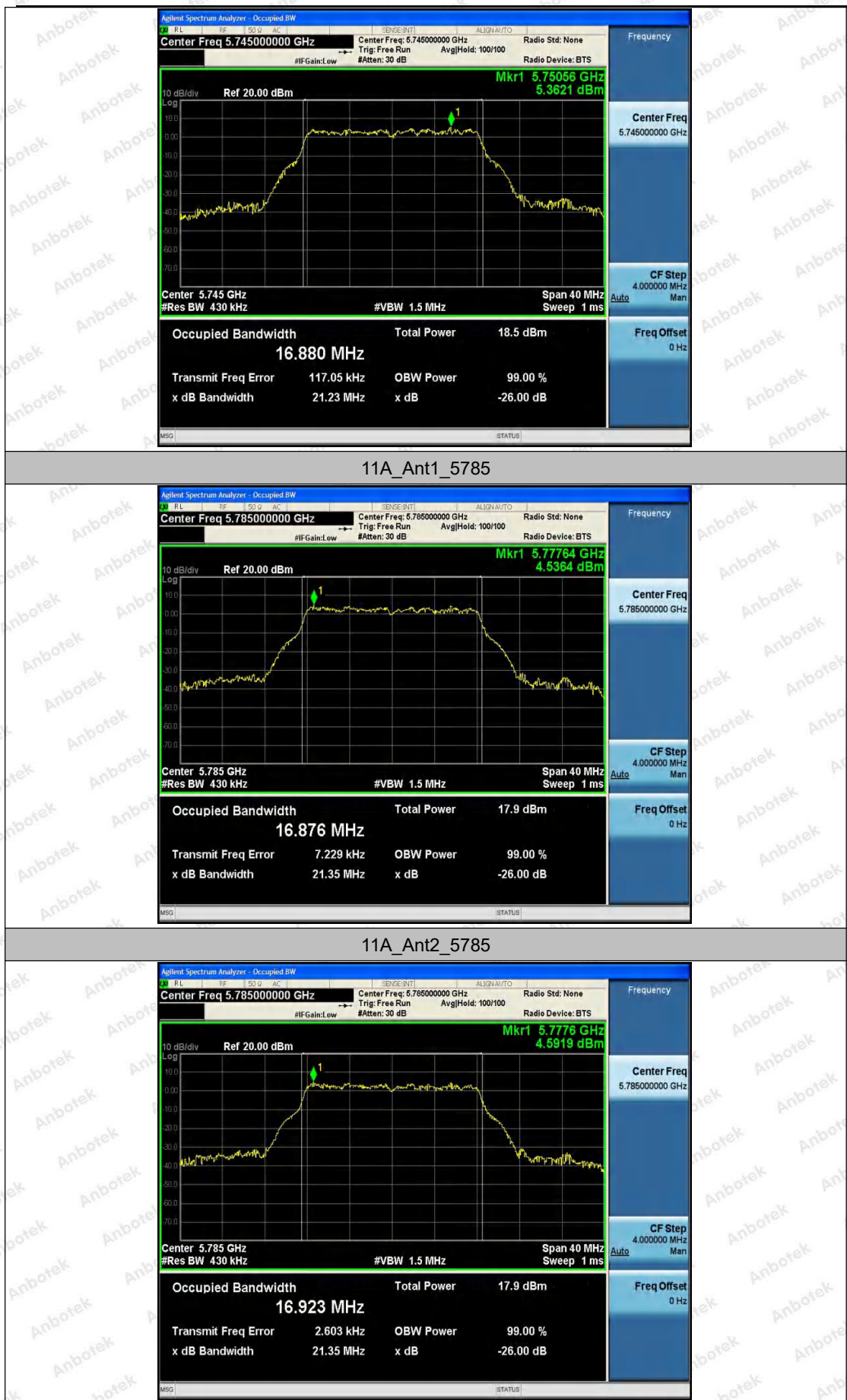
11A_Ant2_5240



11A_Ant1_5745



11A_Ant2_5745



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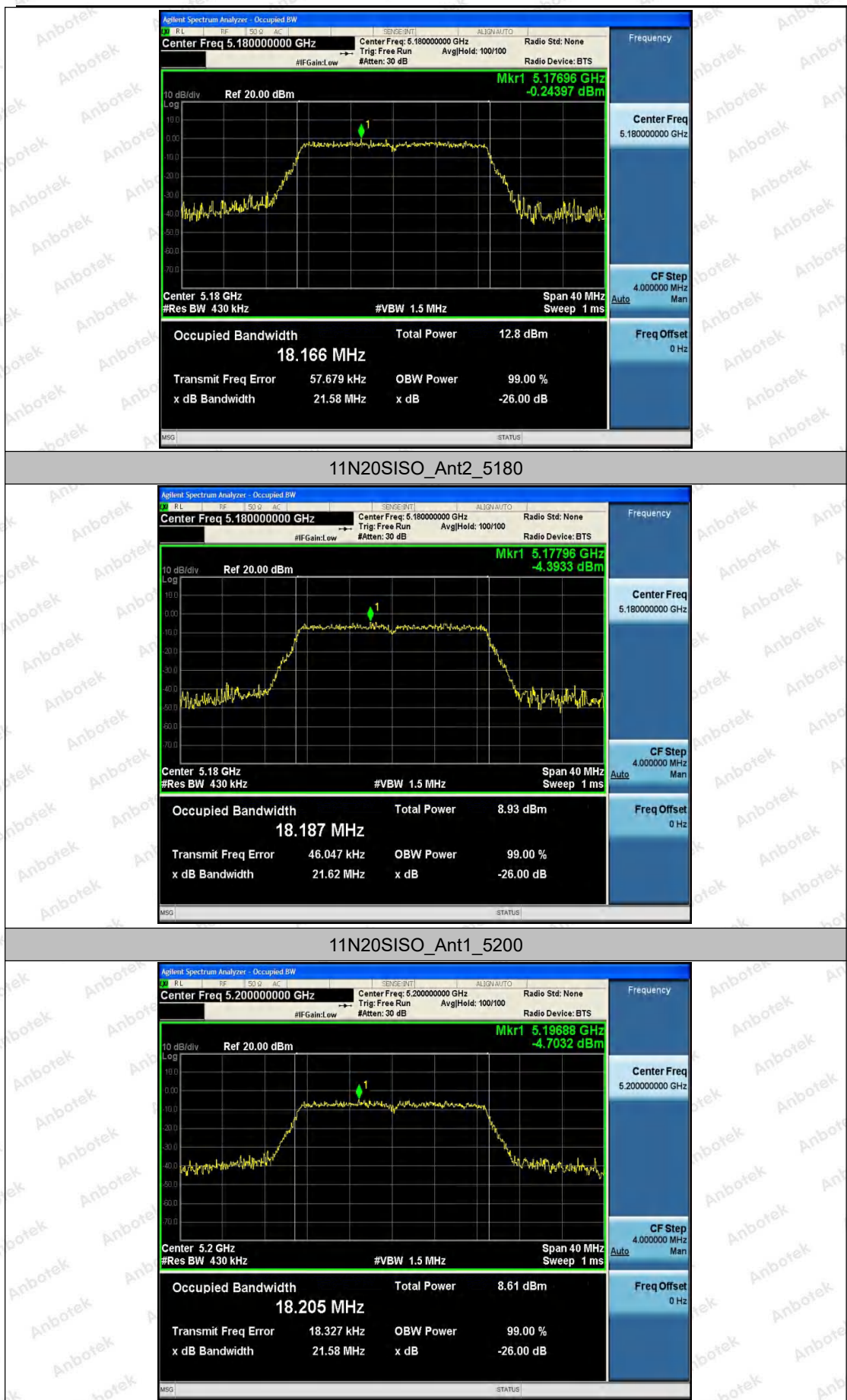
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11A_Ant2_5825



11N20SISO_Ant1_5180

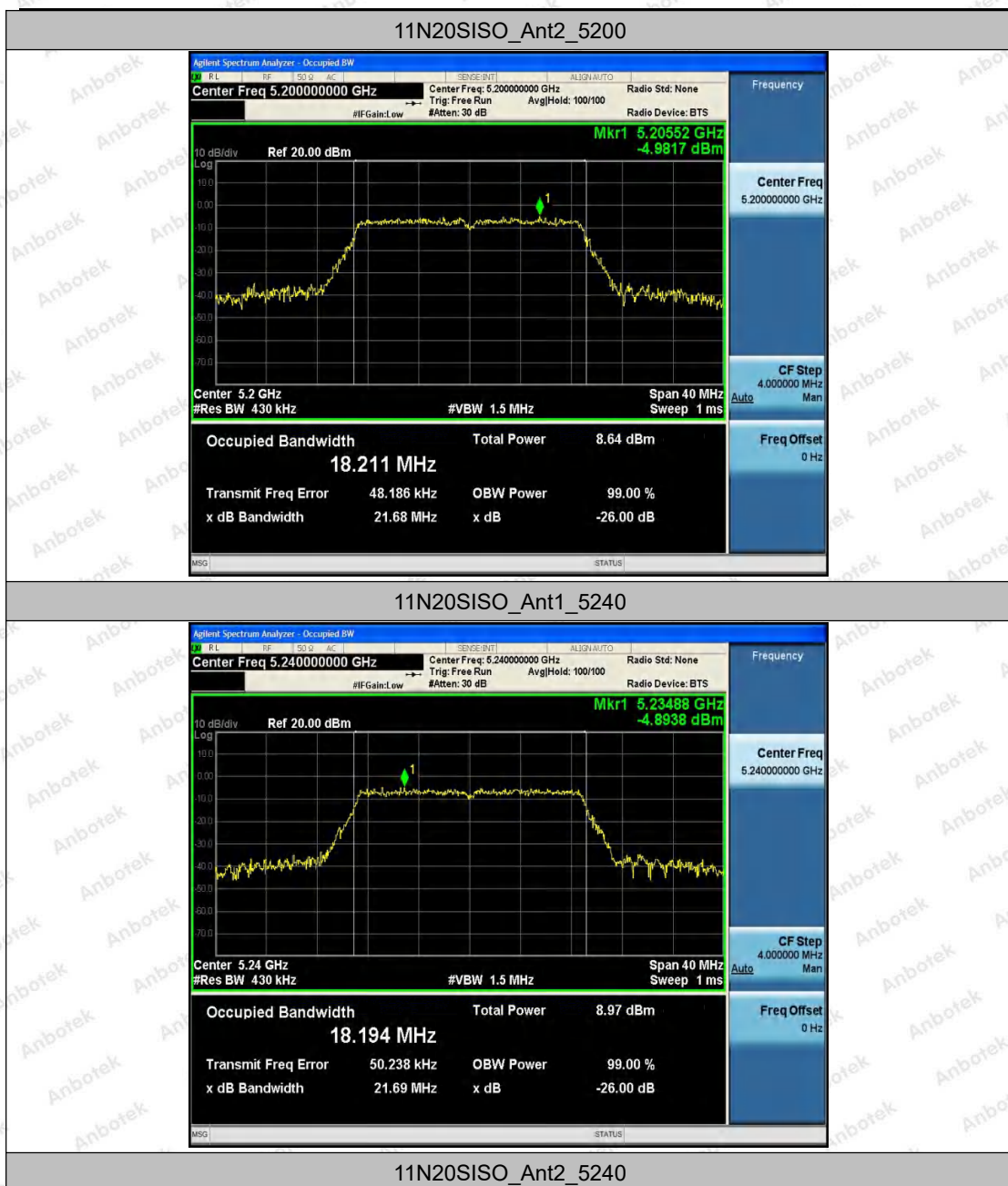


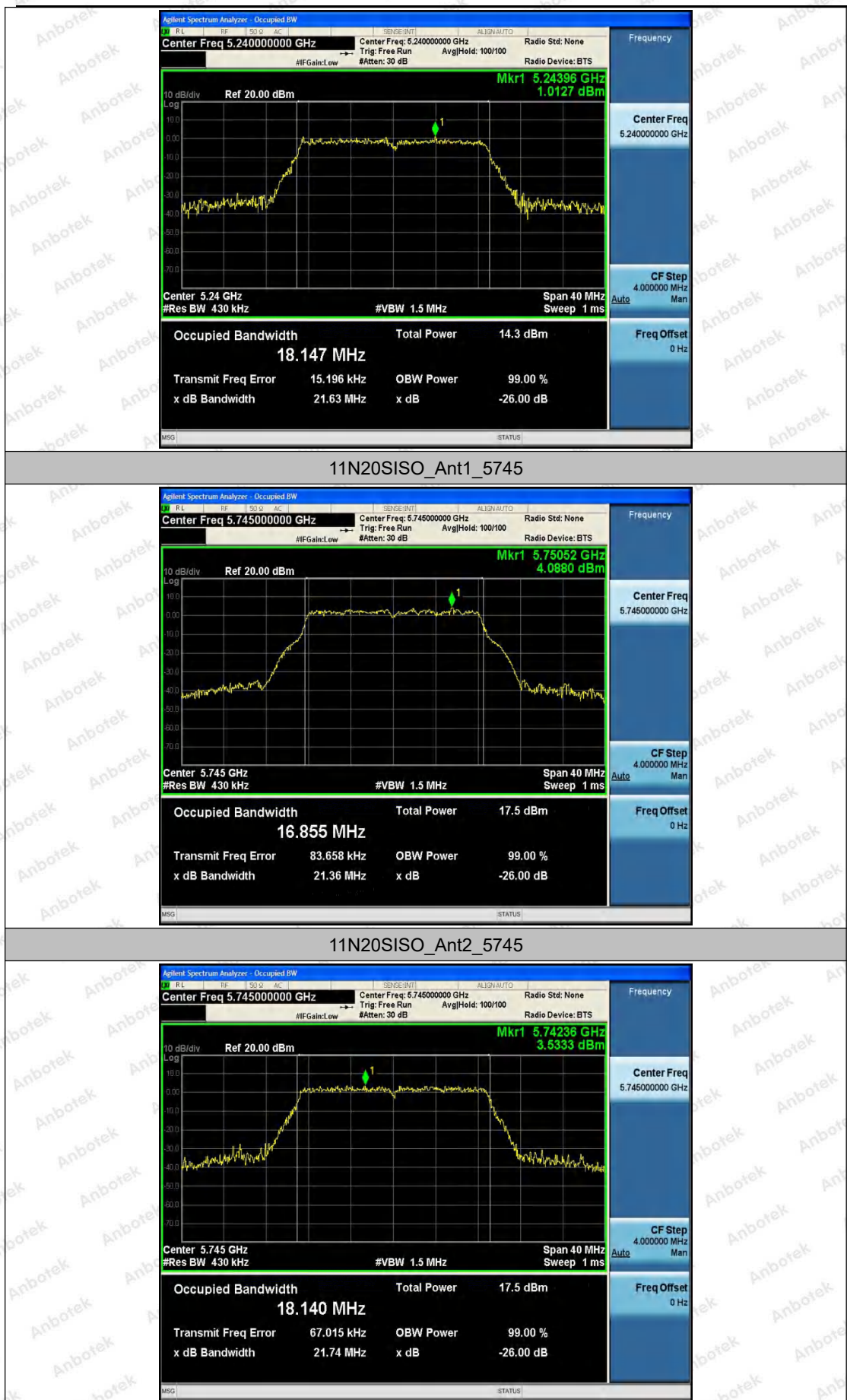
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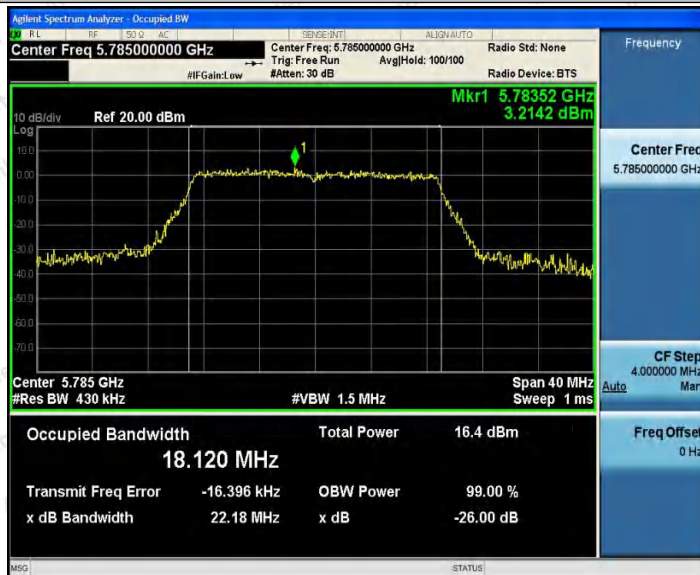
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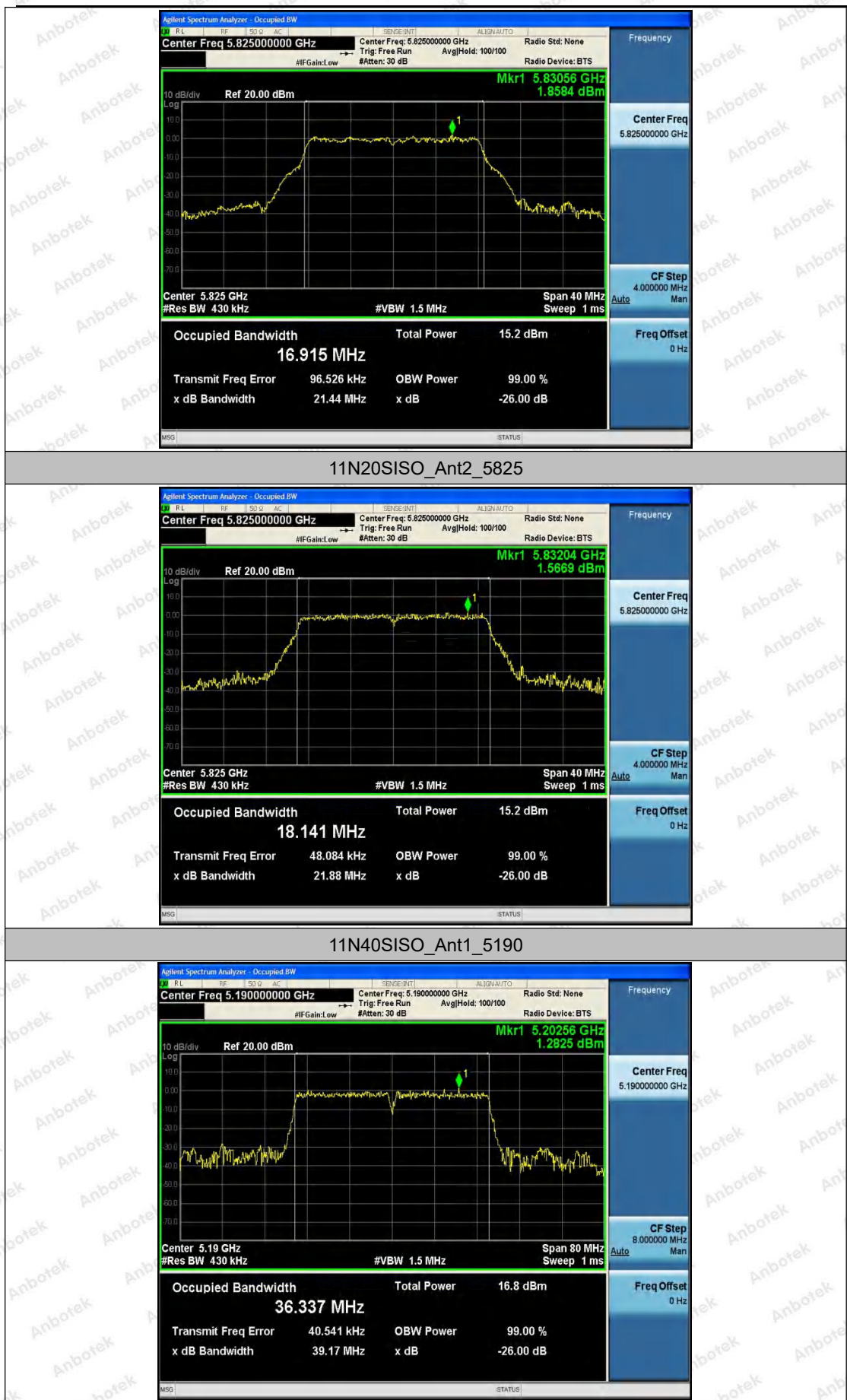
11N20SISO_Ant1_5785



11N20SISO_Ant2_5785



11N20SISO_Ant1_5825



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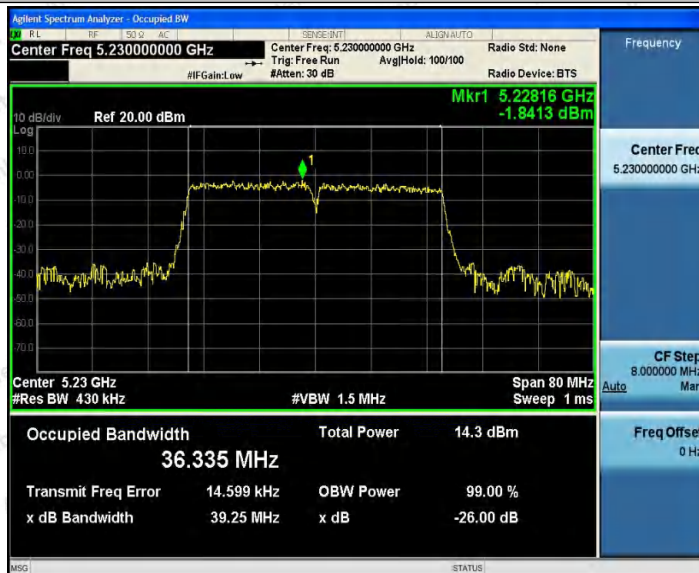
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

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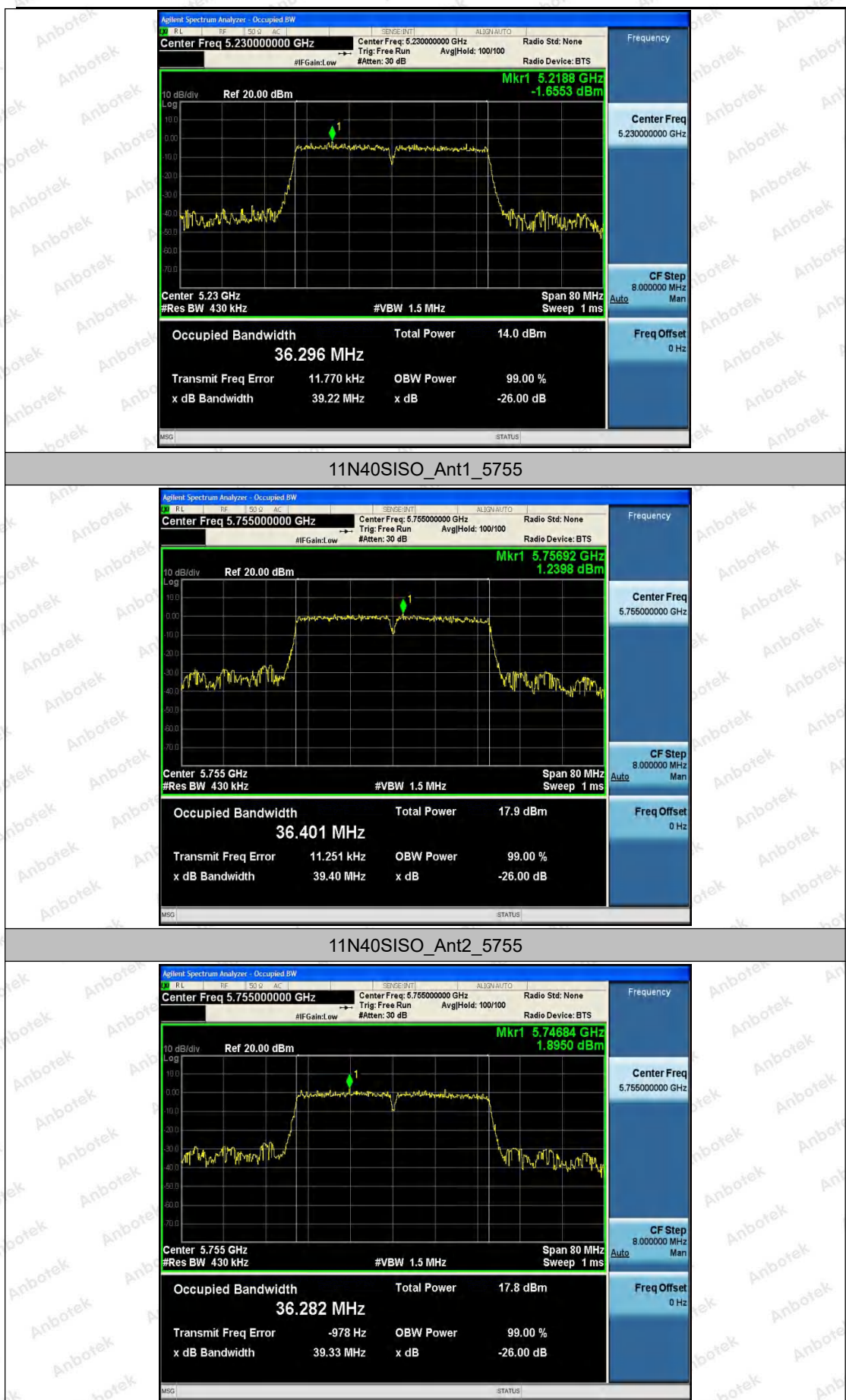
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11N40SISO_Ant1_5230



11N40SISO_Ant2_5230



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11N40SISO_Ant1_5795



11N40SISO_Ant2_5795



11AC20SISO_Ant1_5180

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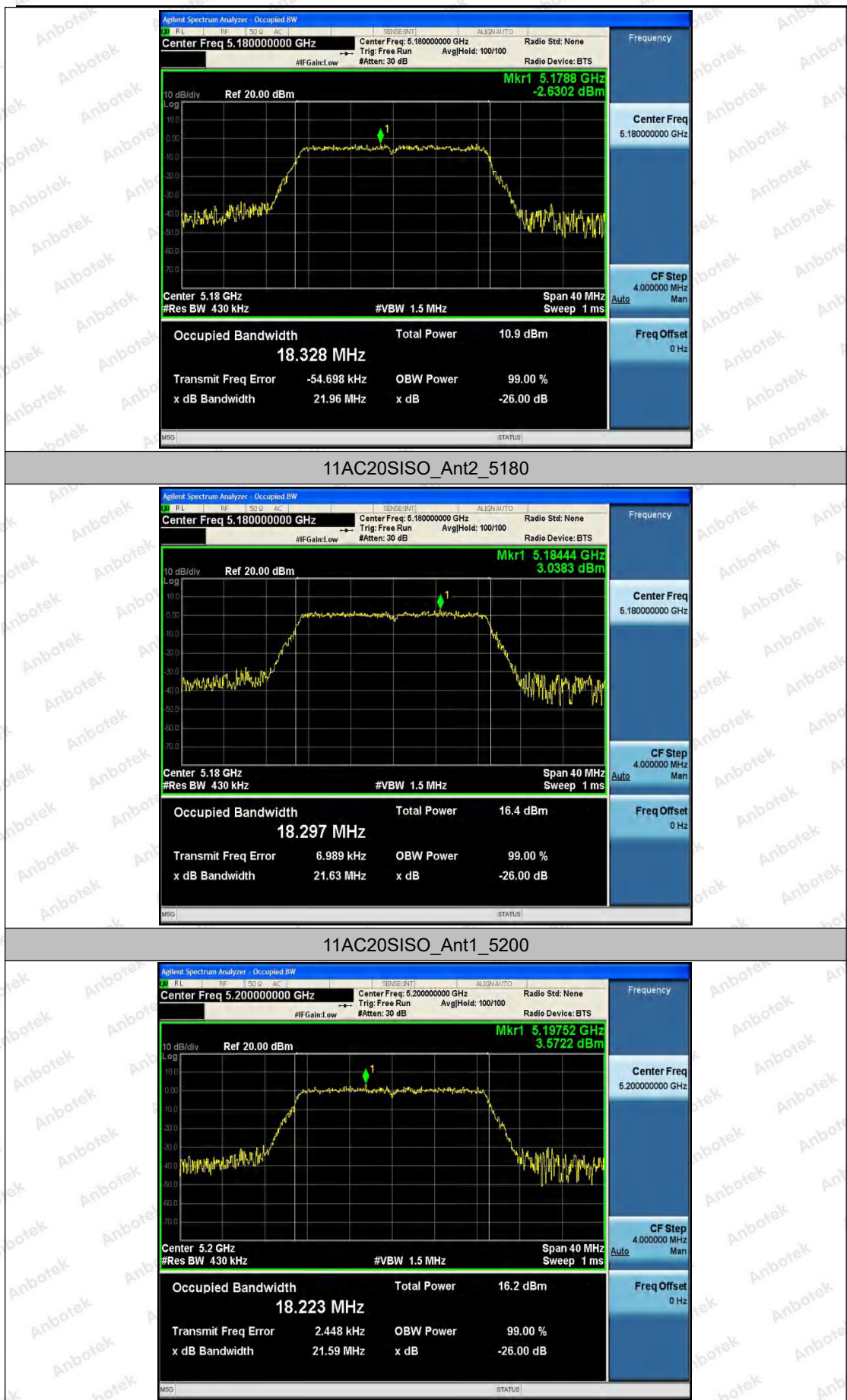
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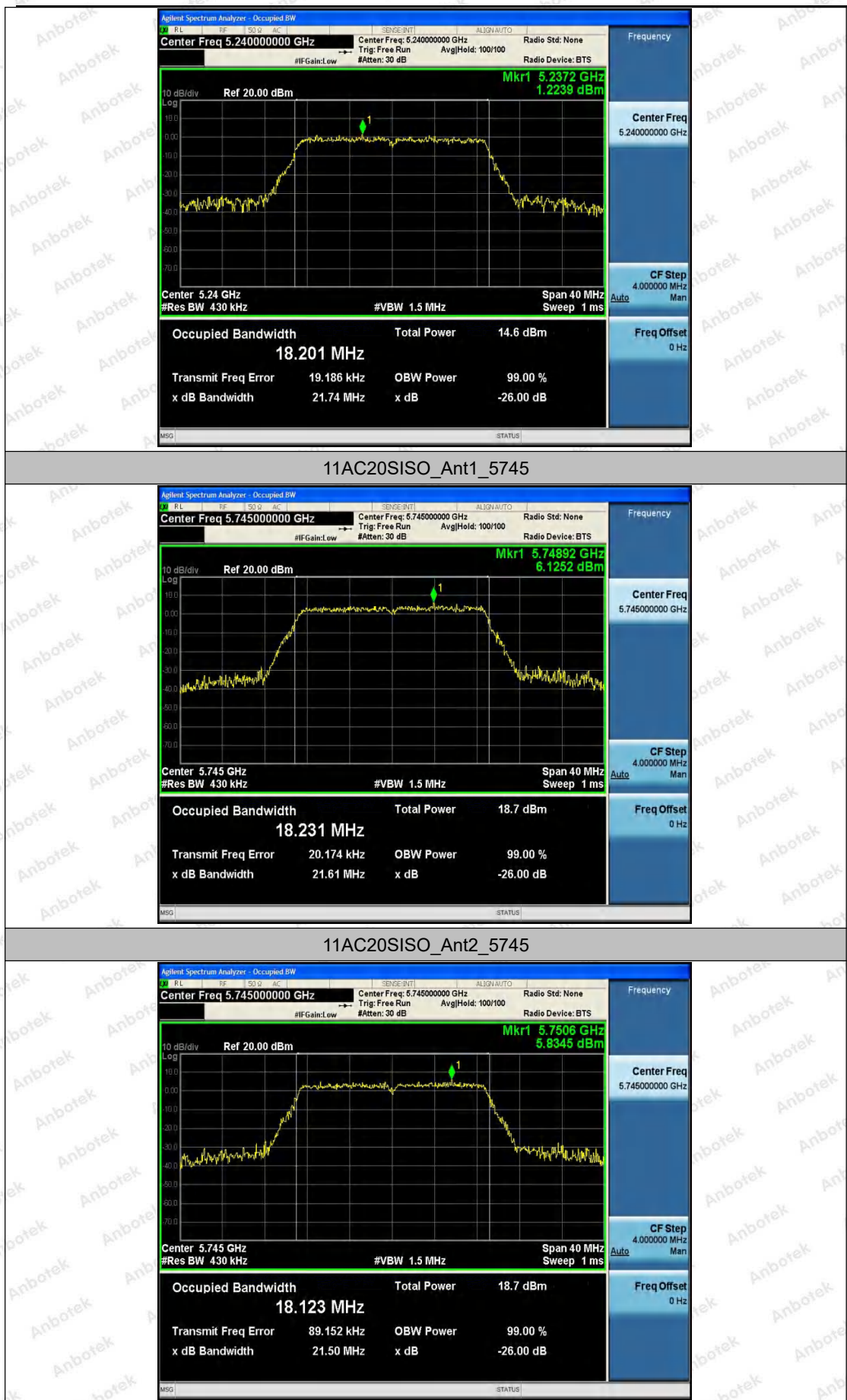
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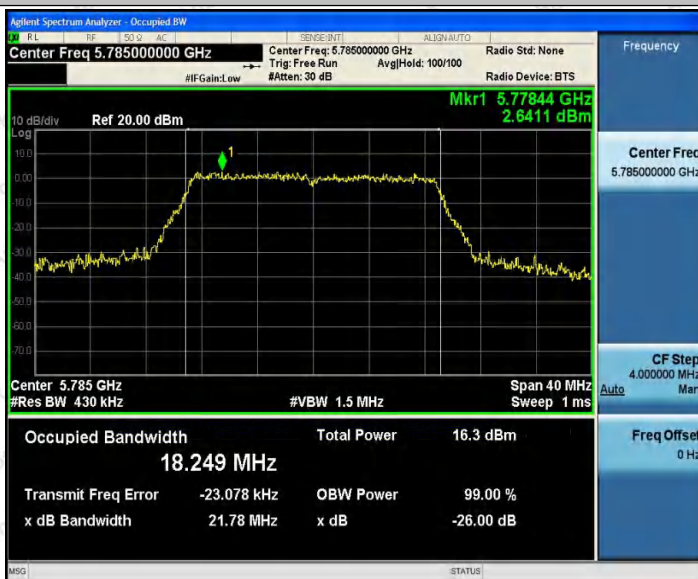
Shenzhen Anbotek Compliance Laboratory Limited

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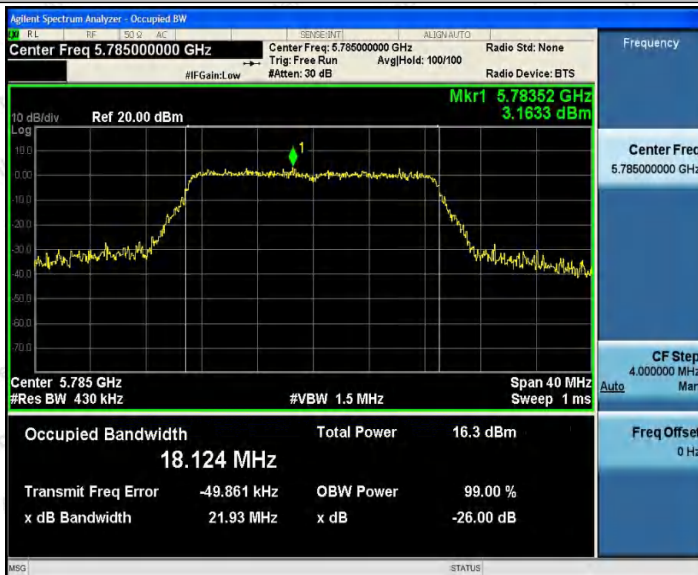
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

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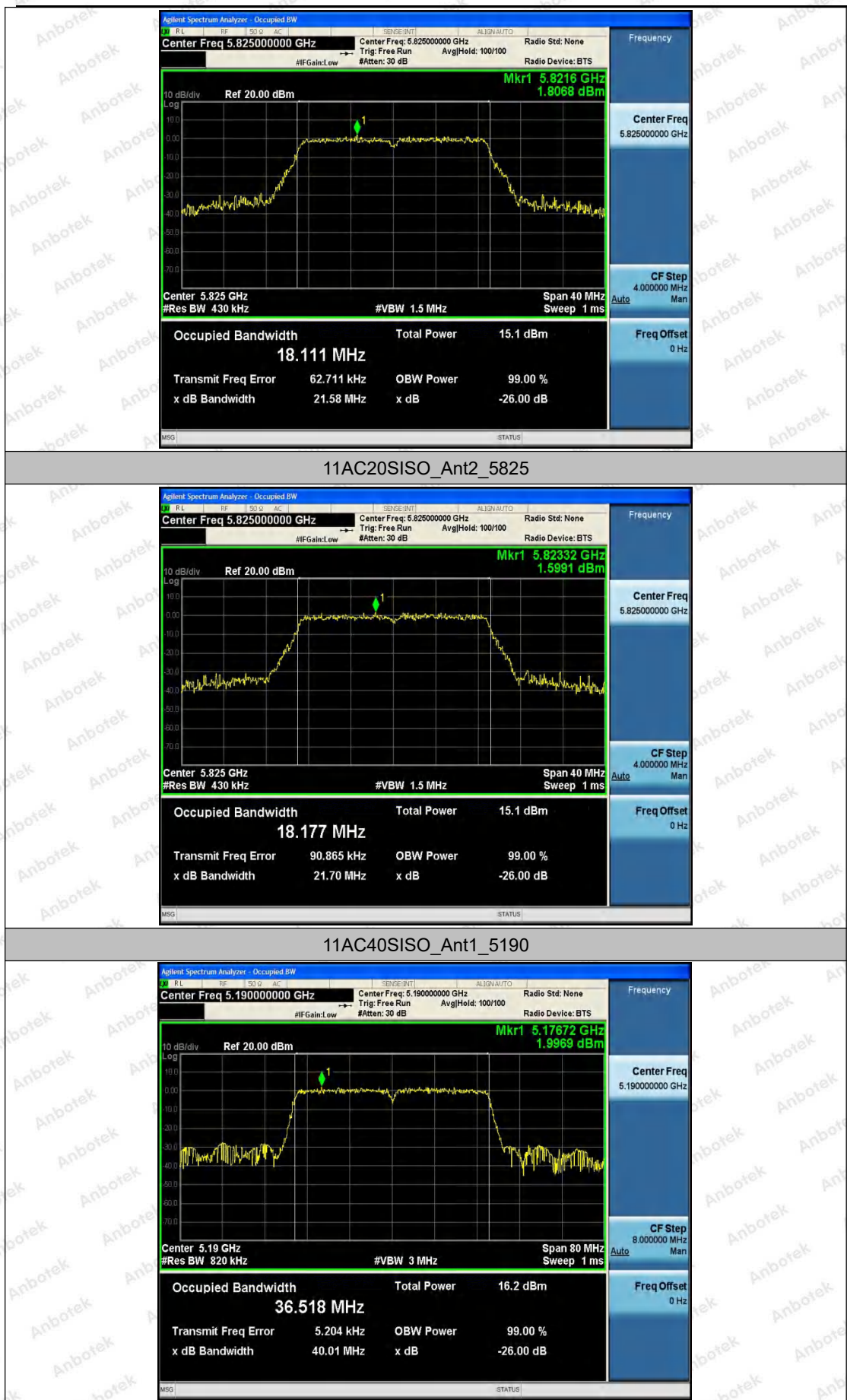
11AC20SISO_Ant1_5785



11AC20SISO_Ant2_5785



11AC20SISO_Ant1_5825



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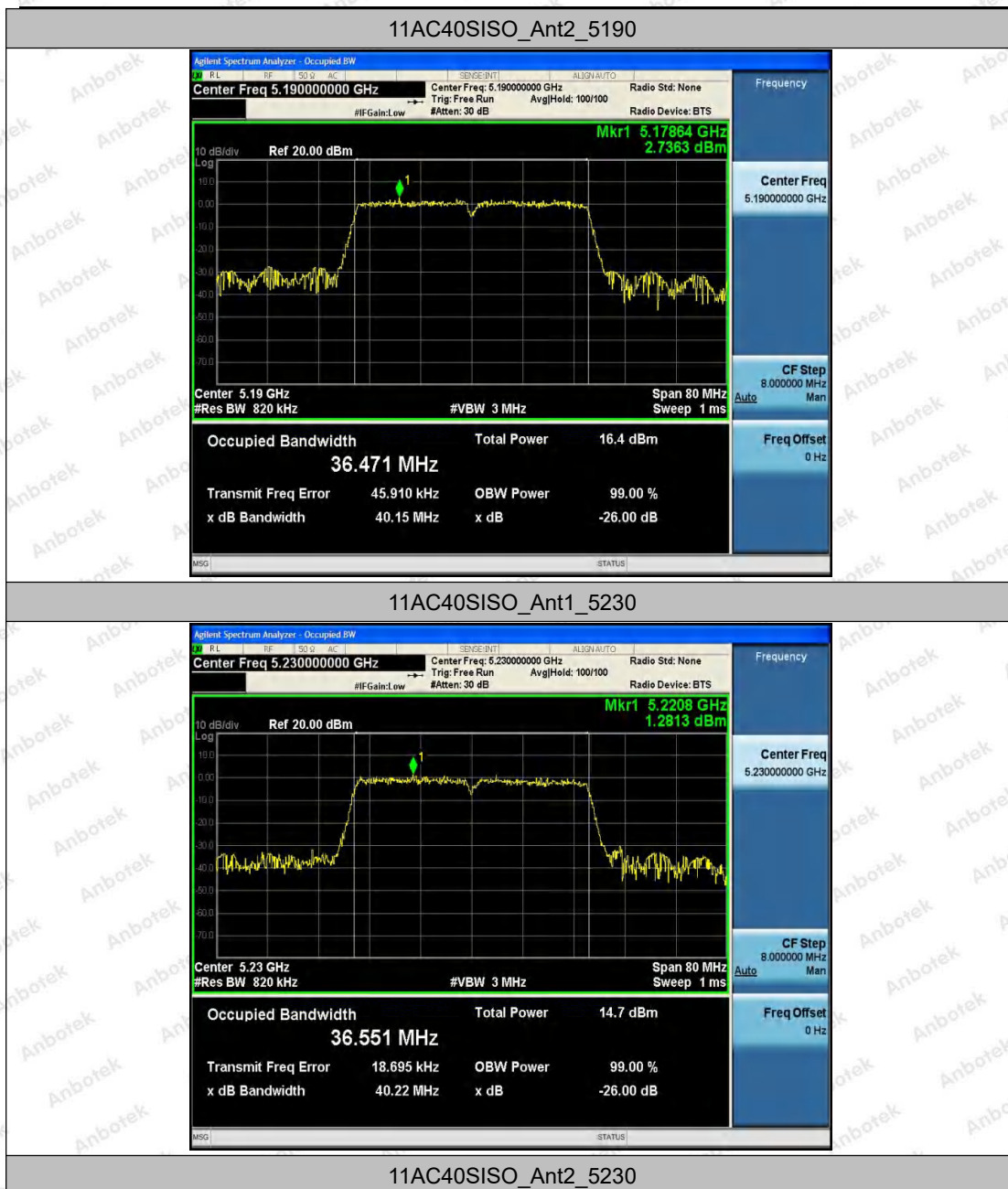
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

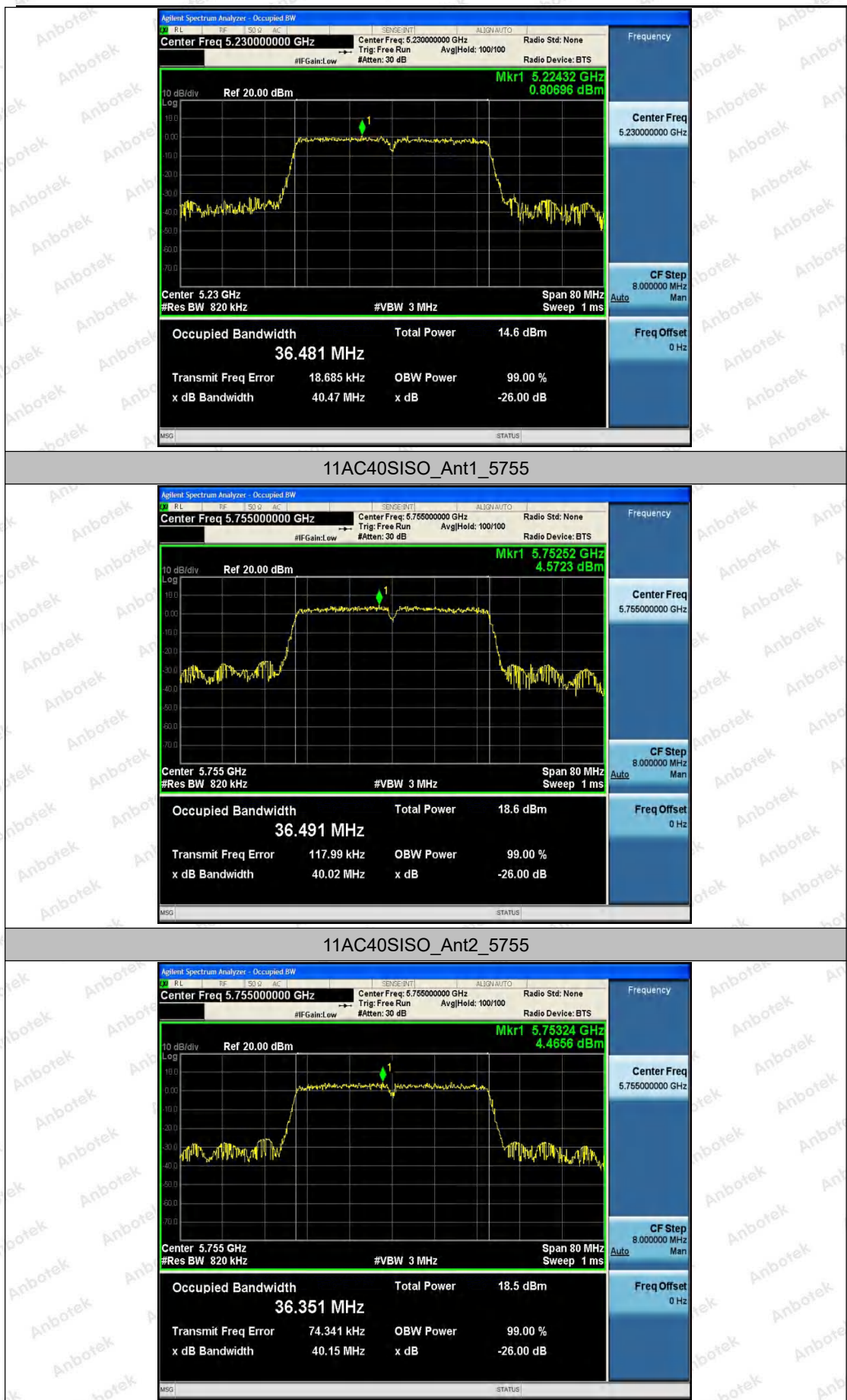


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11AC40SISO_Ant1_5795



11AC40SISO_Ant2_5795



11AC80SISO_Ant1_5210

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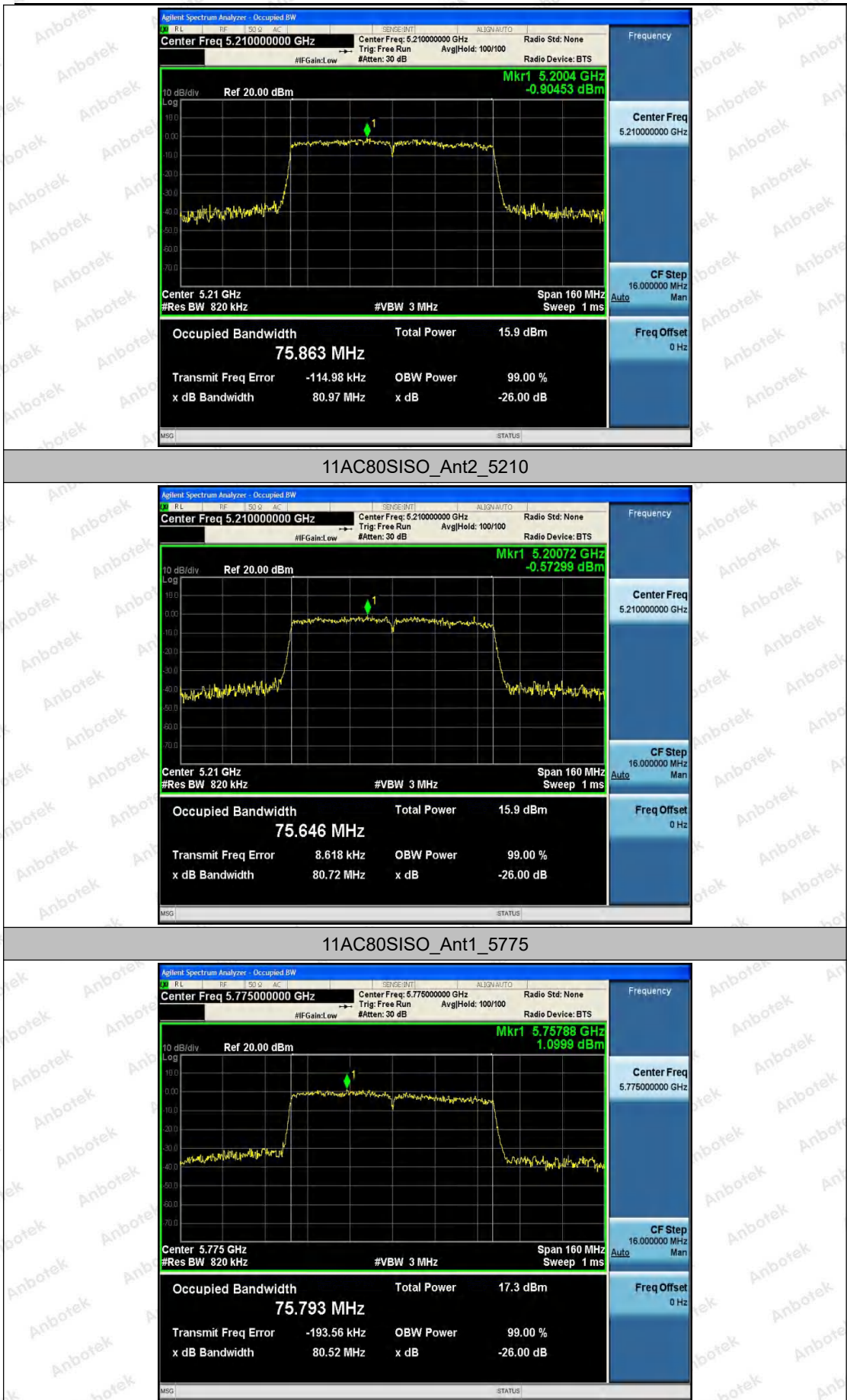
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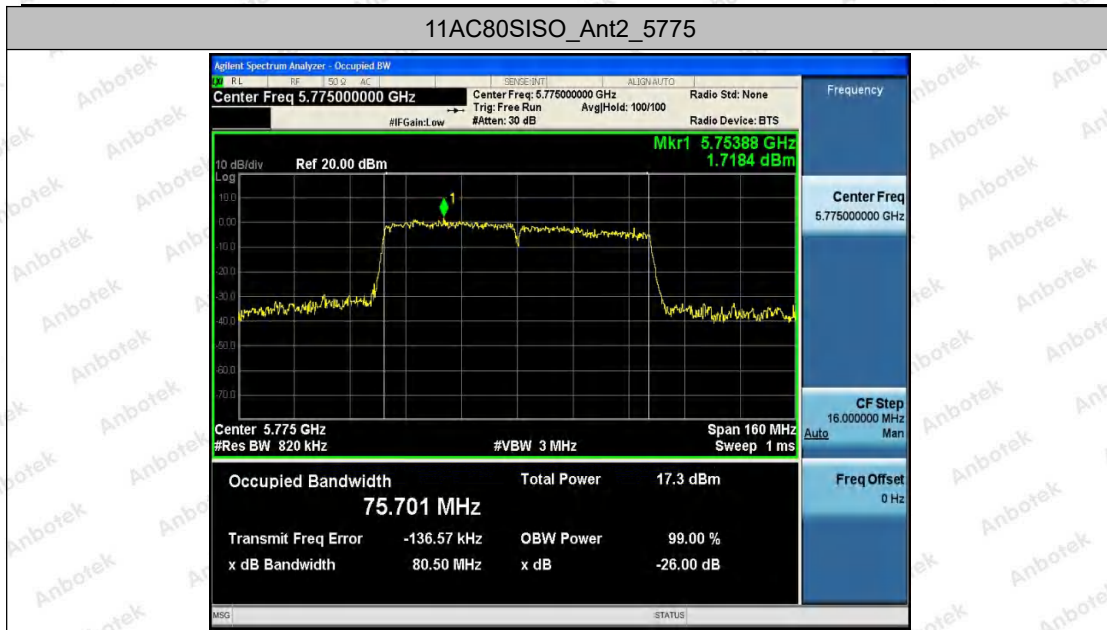
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Appendix A3: Min emission bandwidth

Test Result

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.480	5736.800	5753.280	0.5	PASS
	Ant2	5745	16.480	5736.800	5753.280	0.5	PASS
	Ant1	5785	16.400	5776.760	5793.160	0.5	PASS
	Ant2	5785	16.400	5776.800	5793.200	0.5	PASS
	Ant1	5825	16.480	5816.800	5833.280	0.5	PASS
	Ant2	5825	16.400	5816.800	5833.200	0.5	PASS
11N20SI SO	Ant1	5745	16.440	5736.800	5753.240	0.5	PASS
	Ant2	5745	17.760	5736.200	5753.960	0.5	PASS
	Ant1	5785	16.440	5776.760	5793.200	0.5	PASS
	Ant2	5785	16.280	5776.800	5793.080	0.5	PASS
	Ant1	5825	16.440	5816.800	5833.240	0.5	PASS
	Ant2	5825	17.800	5816.160	5833.960	0.5	PASS
11N40SI SO	Ant1	5755	36.160	5736.760	5772.920	0.5	PASS
	Ant2	5755	36.560	5736.760	5773.320	0.5	PASS
	Ant1	5795	36.560	5776.760	5813.320	0.5	PASS
	Ant2	5795	36.560	5776.760	5813.320	0.5	PASS
11AC20S ISO	Ant1	5745	17.680	5736.200	5753.880	0.5	PASS
	Ant2	5745	17.760	5736.160	5753.920	0.5	PASS
	Ant1	5785	17.760	5776.120	5793.880	0.5	PASS
	Ant2	5785	17.800	5776.160	5793.960	0.5	PASS
	Ant1	5825	17.760	5816.160	5833.920	0.5	PASS
	Ant2	5825	17.720	5816.200	5833.920	0.5	PASS
11AC40S ISO	Ant1	5755	36.400	5736.840	5773.240	0.5	PASS
	Ant2	5755	36.480	5736.840	5773.320	0.5	PASS
	Ant1	5795	36.320	5776.760	5813.080	0.5	PASS
	Ant2	5795	36.480	5776.760	5813.240	0.5	PASS
11AC80S ISO	Ant1	5775	75.840	5736.920	5812.760	0.5	PASS
	Ant2	5775	76.000	5736.760	5812.760	0.5	PASS

Test Graphs

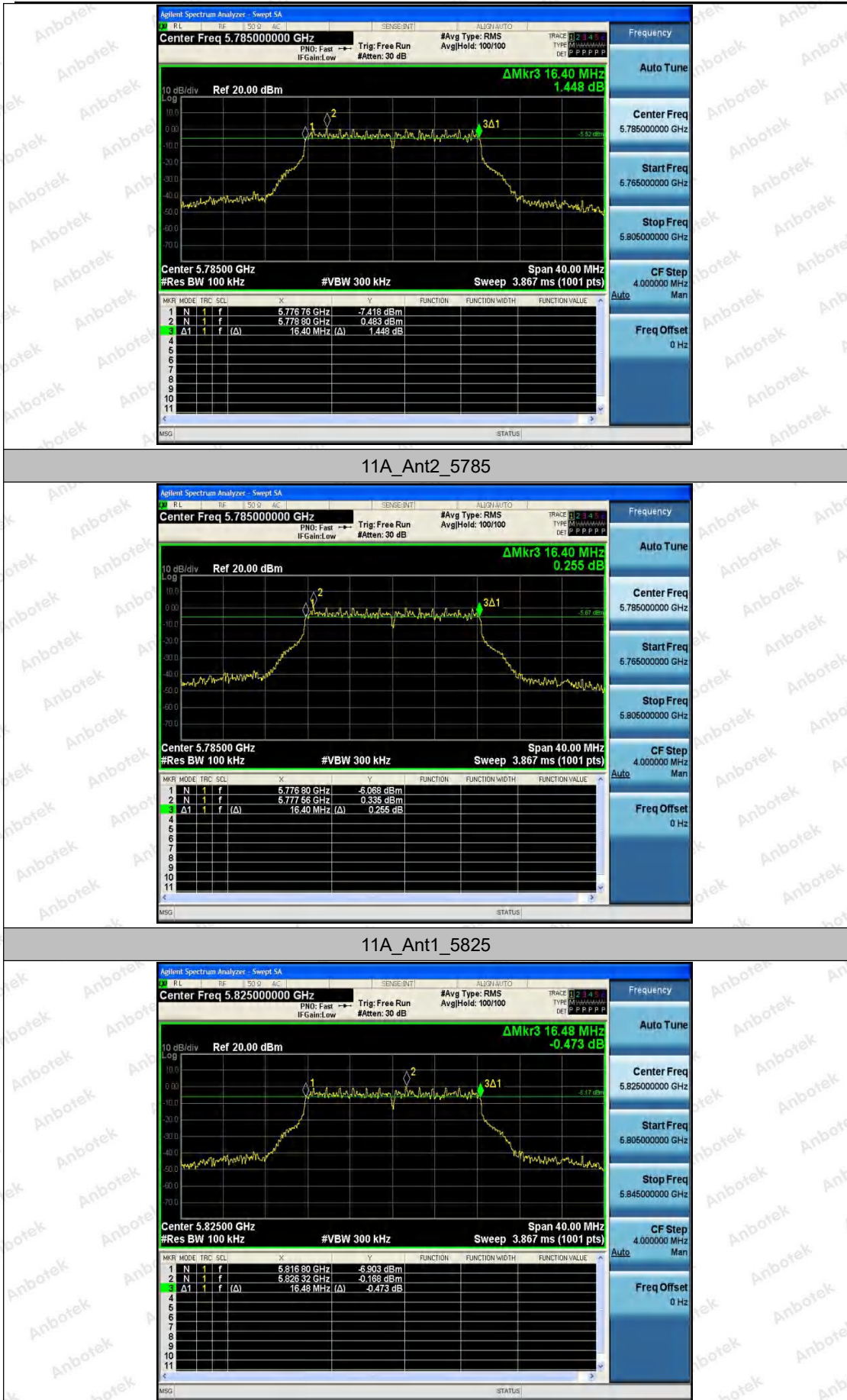
11A_Ant1_5745



11A_Ant2_5745



11A_Ant1_5785



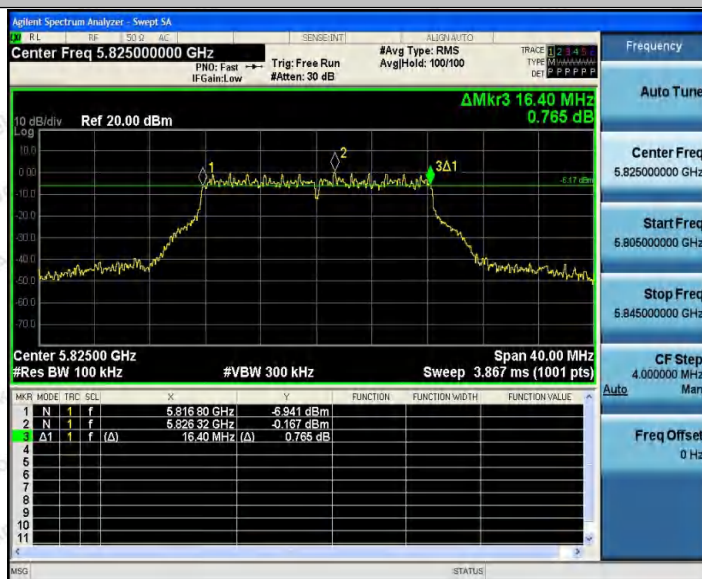
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11A_Ant2_5825



11N20SISO_Ant1_5745



11N20SISO_Ant2_5745

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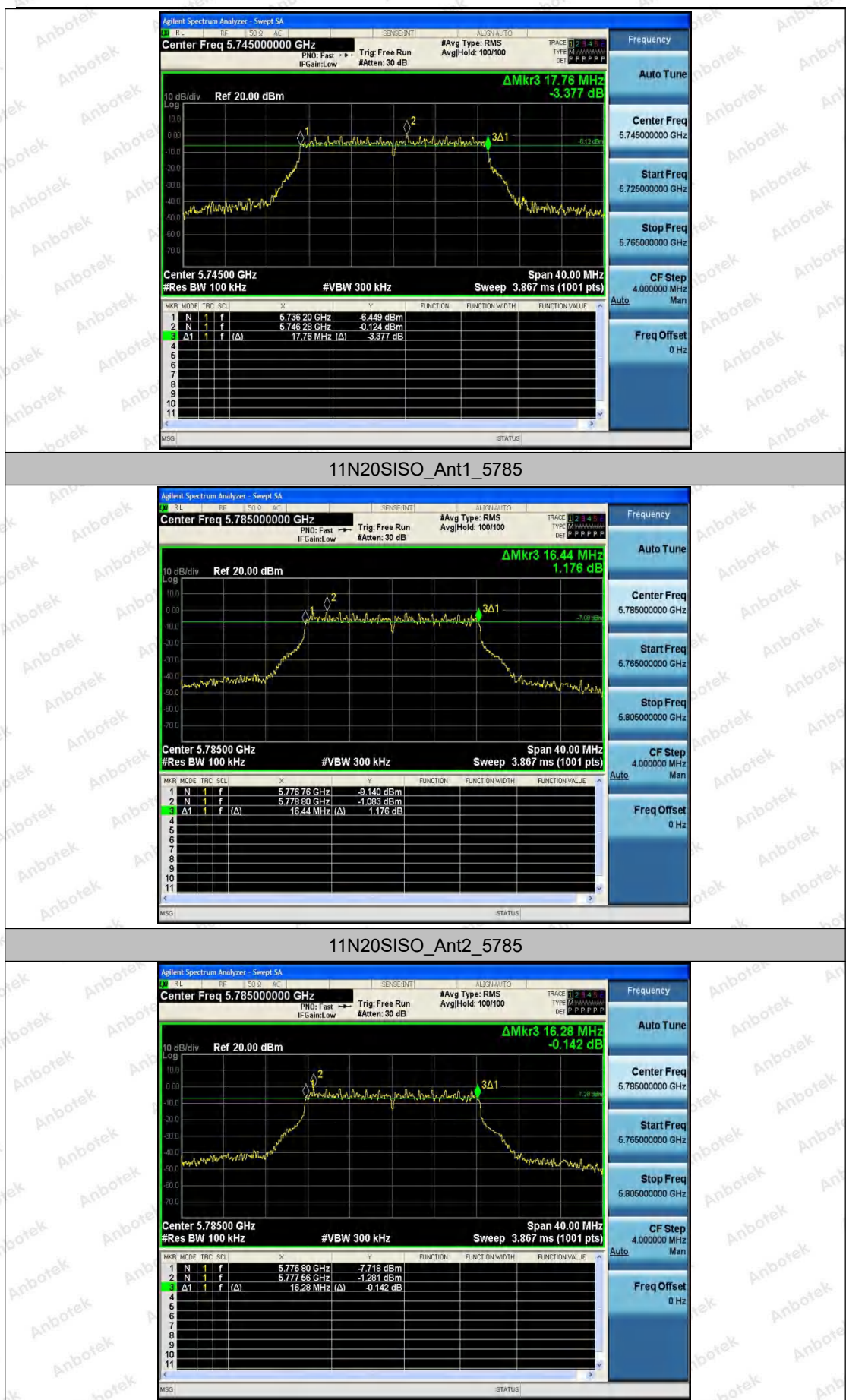
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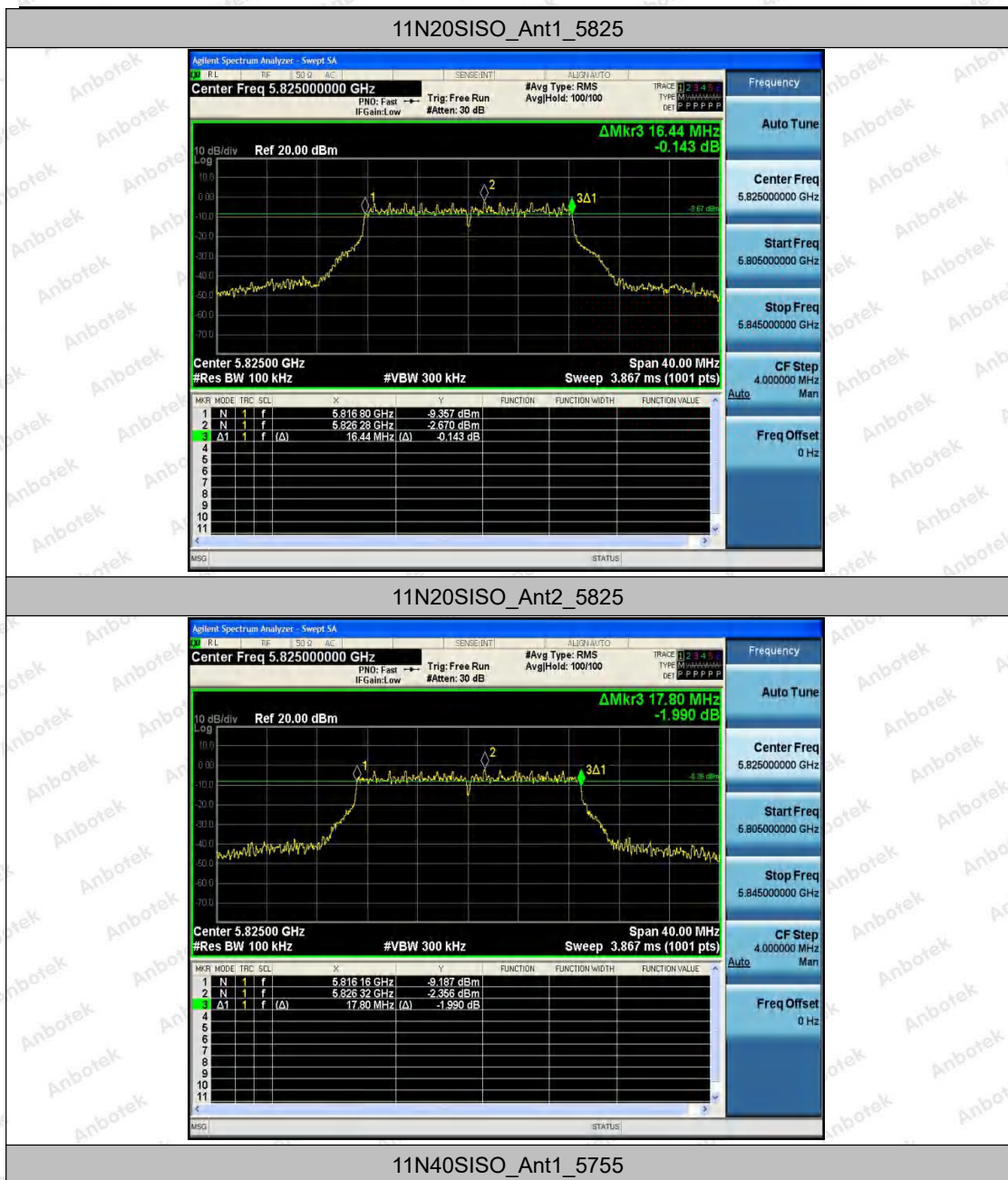


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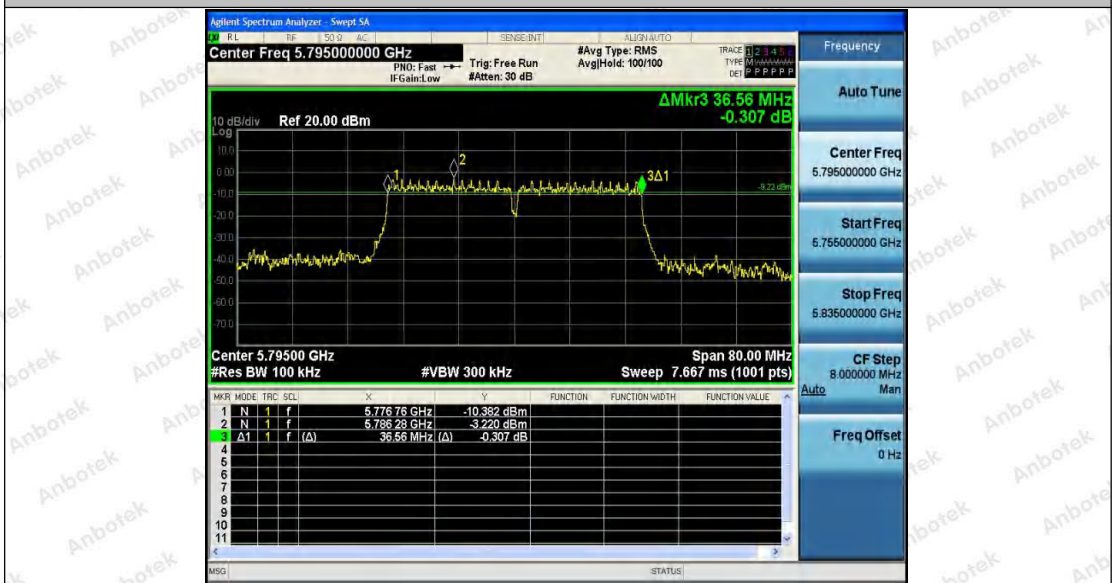




11N40SISO_Ant2_5755



11N40SISO_Ant1_5795

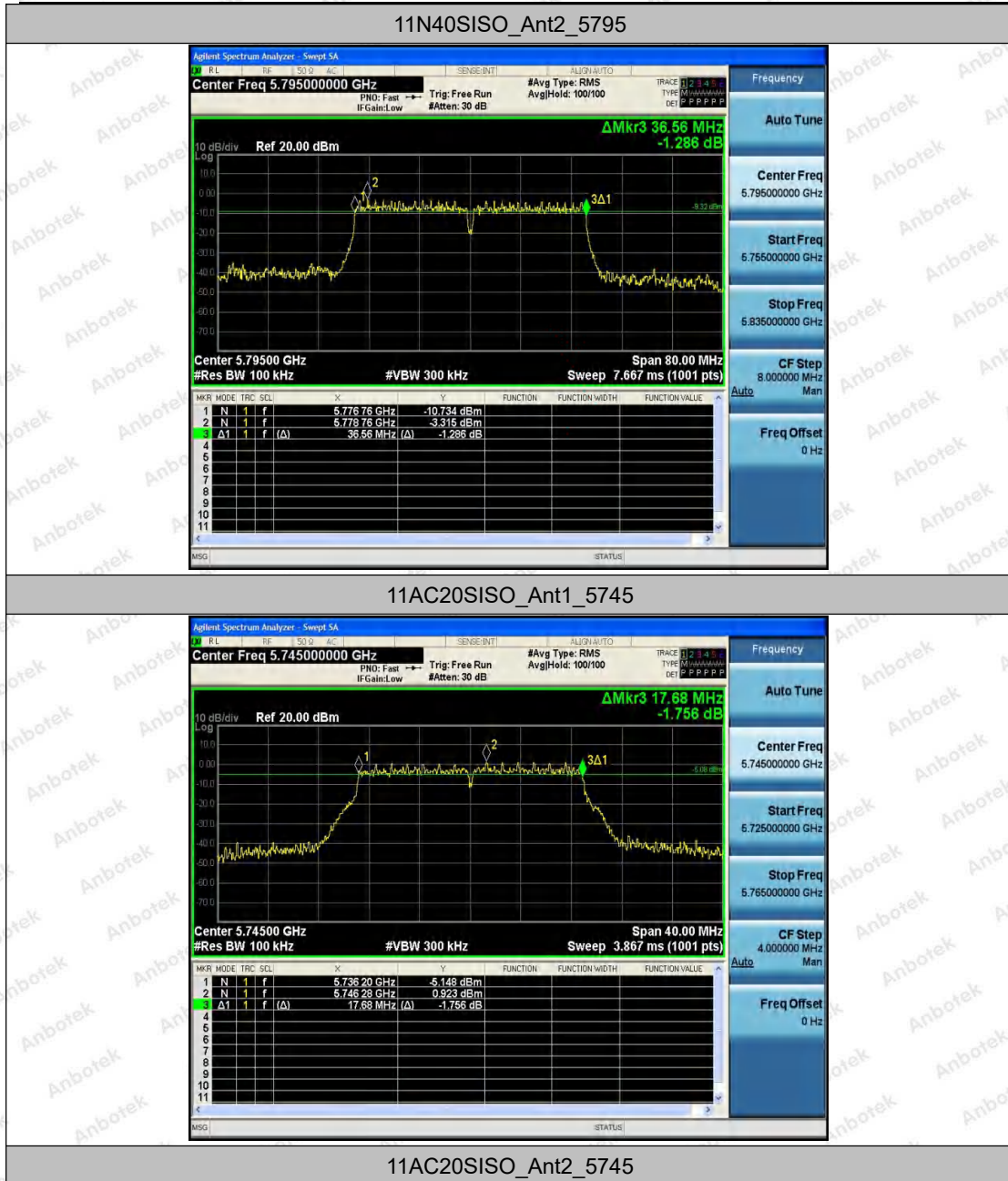


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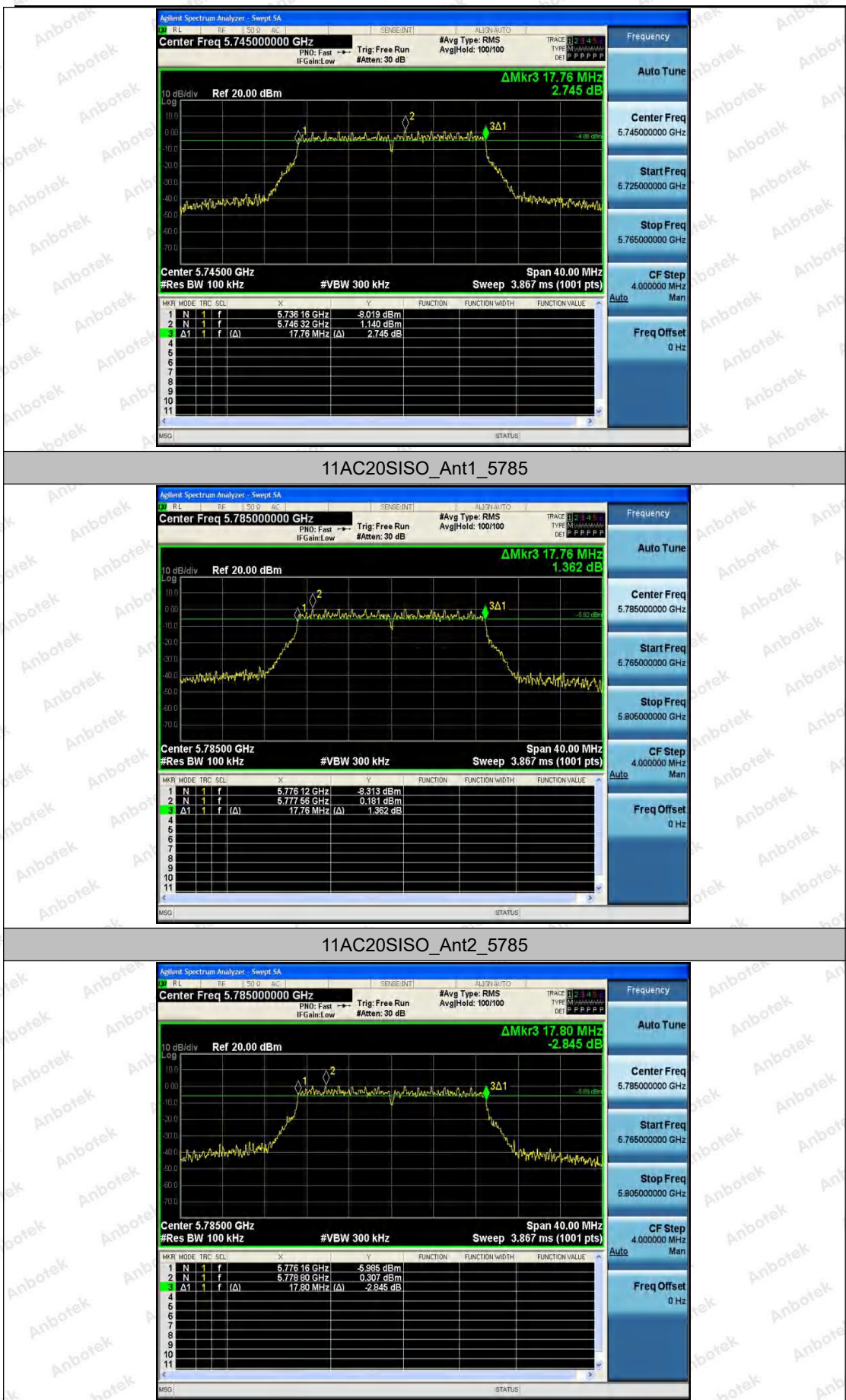


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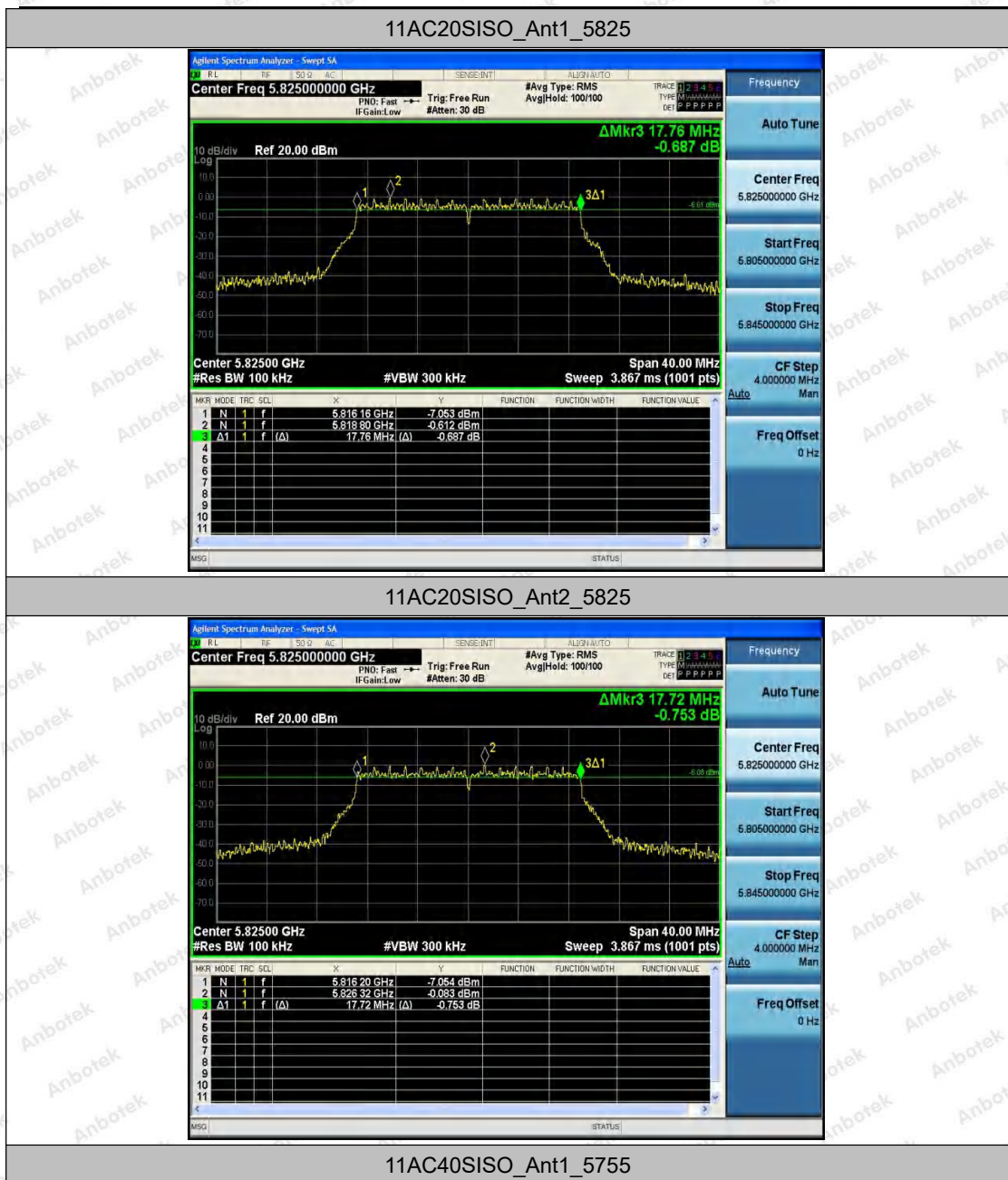
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

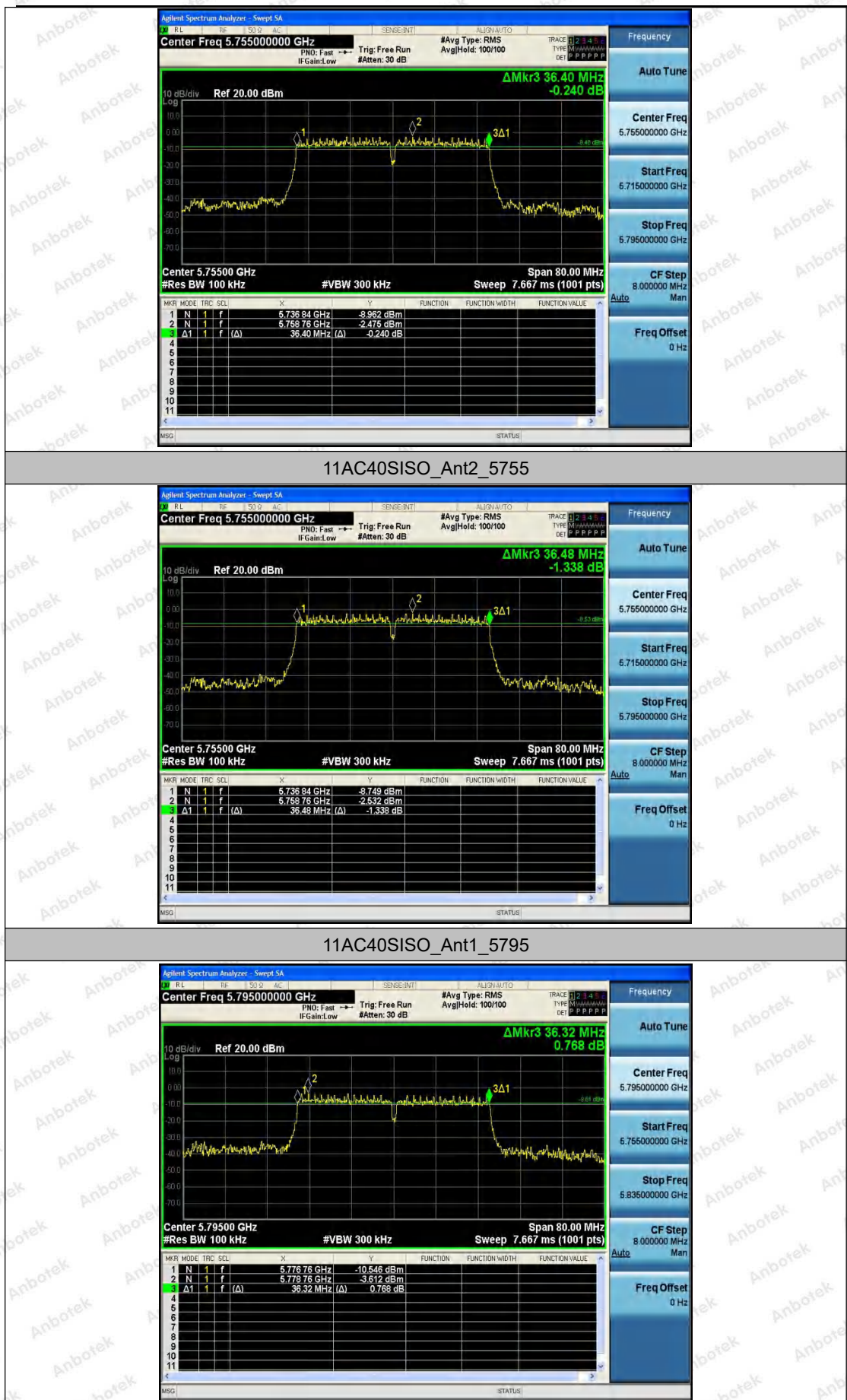


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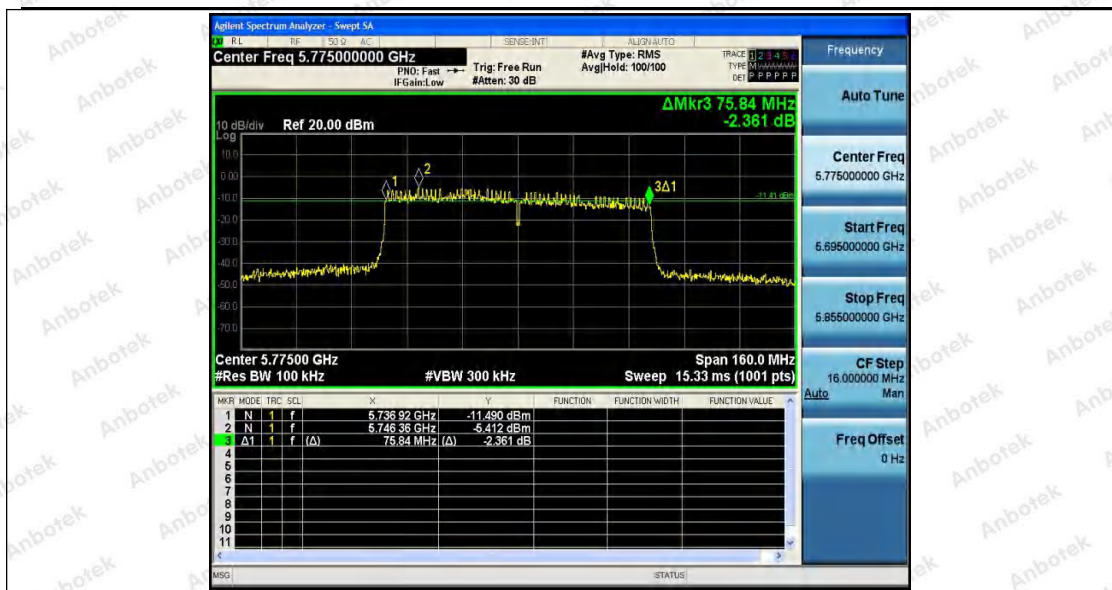
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Appendix B: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	13.11	≤23.98	PASS
	Ant2	5180	13.12	≤23.98	PASS
	Ant1	5200	12.44	≤23.98	PASS
	Ant2	5200	12.42	≤23.98	PASS
	Ant1	5240	11.06	≤23.98	PASS
	Ant2	5240	10.74	≤23.98	PASS
	Ant1	5745	13.65	≤30	PASS
	Ant2	5745	13.61	≤30	PASS
	Ant1	5785	11.46	≤30	PASS
	Ant2	5785	11.42	≤30	PASS
	Ant1	5825	10.82	≤30	PASS
	Ant2	5825	10.81	≤30	PASS
11N20SISO	Ant1	5180	12.52	≤23.98	PASS
	Ant2	5180	12.66	≤23.98	PASS
	Ant1	5200	12.00	≤23.98	PASS
	Ant2	5200	11.96	≤23.98	PASS
	Ant1	5240	11.26	≤23.98	PASS
	Ant2	5240	11.53	≤23.98	PASS
	Ant1	5745	11.07	≤30	PASS
	Ant2	5745	13.73	≤30	PASS
	Ant1	5785	12.52	≤30	PASS
	Ant2	5785	11.92	≤30	PASS
	Ant1	5825	11.33	≤30	PASS
	Ant2	5825	11.35	≤30	PASS
11N40SISO	Ant1	5190	10.85	≤23.98	PASS
	Ant2	5190	12.59	≤23.98	PASS
	Ant1	5230	12.54	≤23.98	PASS
	Ant2	5230	11.10	≤23.98	PASS
	Ant1	5755	11.87	≤30	PASS
	Ant2	5755	11.32	≤30	PASS
	Ant1	5795	12.55	≤30	PASS
	Ant2	5795	12.65	≤30	PASS
11AC20SISO	Ant1	5180	12.53	≤23.98	PASS
	Ant2	5180	12.60	≤23.98	PASS
	Ant1	5200	11.10	≤23.98	PASS
	Ant2	5200	11.95	≤23.98	PASS
	Ant1	5240	11.14	≤23.98	PASS

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	Ant2	5240	13.76	≤ 23.98	PASS
	Ant1	5745	11.04	≤ 30	PASS
	Ant2	5745	12.90	≤ 30	PASS
	Ant1	5785	12.83	≤ 30	PASS
	Ant2	5785	12.27	≤ 30	PASS
	Ant1	5825	12.54	≤ 30	PASS
	Ant2	5825	11.16	≤ 30	PASS
11AC40SISO	Ant1	5190	11.04	≤ 23.98	PASS
	Ant2	5190	12.39	≤ 23.98	PASS
	Ant1	5230	12.31	≤ 23.98	PASS
	Ant2	5230	11.28	≤ 23.98	PASS
	Ant1	5755	11.28	≤ 30	PASS
	Ant2	5755	12.47	≤ 30	PASS
	Ant1	5795	12.49	≤ 30	PASS
11AC80SISO	Ant2	5795	12.52	≤ 30	PASS
	Ant1	5210	12.32	≤ 23.98	PASS
	Ant2	5210	11.58	≤ 23.98	PASS
	Ant1	5775	12.92	≤ 30	PASS
	Ant2	5775	13.88	≤ 30	PASS

MIMO

TestMode	Channel	Result[dBm]	Limit[dBm]	Verdict
11N20	5180	15.601	≤ 23.98	PASS
	5200	14.990	≤ 23.98	PASS
	5240	14.407	≤ 23.98	PASS
	5745	15.611	≤ 23.98	PASS
	5785	15.241	≤ 23.98	PASS
	5825	14.350	≤ 23.98	PASS
11N40	5190	14.817	≤ 23.98	PASS
	5230	14.890	≤ 23.98	PASS
	5755	14.614	≤ 23.98	PASS
	5795	15.611	≤ 23.98	PASS
11AC20	5180	15.575	≤ 23.98	PASS
	5200	14.556	≤ 23.98	PASS
	5240	15.655	≤ 23.98	PASS
	5745	15.079	≤ 23.98	PASS
	5785	15.569	≤ 23.98	PASS
	5825	14.915	≤ 23.98	PASS
11AC40	5190	14.778	≤ 23.98	PASS
	5230	14.836	≤ 23.98	PASS
	5755	14.926	≤ 23.98	PASS
	5795	15.515	≤ 23.98	PASS

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11AC80	5210	14.976	≤23.98	PASS
	5775	16.437	≤23.98	PASS

Appendix C: Maximum power spectral density

Test Result

WIFI 5.2G

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	7.34	≤11	PASS
	Ant2	5180	6.98	≤11	PASS
	Ant1	5200	6.66	≤11	PASS
	Ant2	5200	7.05	≤11	PASS
	Ant1	5240	5.25	≤11	PASS
	Ant2	5240	5.19	≤11	PASS
11N20SISO	Ant1	5180	6.9	≤11	PASS
	Ant2	5180	6.7	≤11	PASS
	Ant1	5200	6.2	≤11	PASS
	Ant2	5200	6.86	≤11	PASS
	Ant1	5240	4.48	≤11	PASS
	Ant2	5240	4.25	≤11	PASS
11N40SISO	Ant1	5190	4.08	≤11	PASS
	Ant2	5190	3.22	≤11	PASS
	Ant1	5230	2.01	≤11	PASS
	Ant2	5230	0.76	≤11	PASS
11AC20SISO	Ant1	5180	7.11	≤11	PASS
	Ant2	5180	6.74	≤11	PASS
	Ant1	5200	5.95	≤11	PASS
	Ant2	5200	6.66	≤11	PASS
	Ant1	5240	6.11	≤11	PASS
	Ant2	5240	4.09	≤11	PASS
11AC40SISO	Ant1	5190	3.31	≤11	PASS
	Ant2	5190	2.31	≤11	PASS
	Ant1	5230	1.42	≤11	PASS
	Ant2	5230	1.02	≤11	PASS
11AC80SISO	Ant1	5210	0.53	≤11	PASS
	Ant2	5210	-0.01	≤11	PASS

WIFI 5.8G

TestMode	Antenna	Channel	Result [dBm/500KHz]	Limit[dBm/500KHz]	Verdict
11A	Ant1	5745	5.03	≤30	PASS
	Ant2	5745	5.24	≤30	PASS
	Ant1	5785	4.77	≤30	PASS
	Ant2	5785	4.72	≤30	PASS
	Ant1	5825	3.97	≤30	PASS

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	Ant2	5825	4.36	≤30	PASS
11N20SISO	Ant1	5745	4.89	≤30	PASS
	Ant2	5745	6.1	≤30	PASS
	Ant1	5785	5.18	≤30	PASS
	Ant2	5785	4.16	≤30	PASS
	Ant1	5825	3.81	≤30	PASS
	Ant2	5825	4.01	≤30	PASS
11N40SISO	Ant1	5755	1.6	≤30	PASS
	Ant2	5755	1.87	≤30	PASS
	Ant1	5795	0.23	≤30	PASS
	Ant2	5795	0.63	≤30	PASS
11AC20SISO	Ant1	5745	4.86	≤30	PASS
	Ant2	5745	4.88	≤30	PASS
	Ant1	5785	4.27	≤30	PASS
	Ant2	5785	5.6	≤30	PASS
	Ant1	5825	4.67	≤30	PASS
	Ant2	5825	4.07	≤30	PASS
11AC40SISO	Ant1	5755	2.86	≤30	PASS
	Ant2	5755	1.37	≤30	PASS
	Ant1	5795	0.68	≤30	PASS
	Ant2	5795	0.59	≤30	PASS
11AC80SISO	Ant1	5775	-1.15	≤30	PASS
	Ant2	5775	-0.84	≤30	PASS

MIMO

WIFI 5.2G

TestMode	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11N20	5180	9.553	≤11	PASS
	5180	7.377	≤11	PASS
	5200	6.682	≤11	PASS
11N40	5190	4.440	≤11	PASS
	5190	9.939	≤11	PASS
11AC20	5180	9.330	≤11	PASS
	5180	8.227	≤11	PASS
	5200	5.849	≤11	PASS
11AC40	5190	4.235	≤11	PASS
	5190	3.279	≤11	PASS
11AC80	5210	9.553	≤11	PASS

WIFI 5.8G

TestMode	Channel	Result [dBm/500KHz]	Limit[dBm/500KHz]	Verdict
11N20	5745	8.547	≤30	PASS

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	5785	7.710	≤30	PASS
	5825	6.921	≤30	PASS
11N40	5755	4.747	≤30	PASS
	5795	3.445	≤30	PASS
11AC20	5745	7.880	≤30	PASS
	5785	7.996	≤30	PASS
	5825	7.391	≤30	PASS
11AC40	5755	5.189	≤30	PASS
	5795	3.646	≤30	PASS
11AC80	5775	2.018	≤30	PASS

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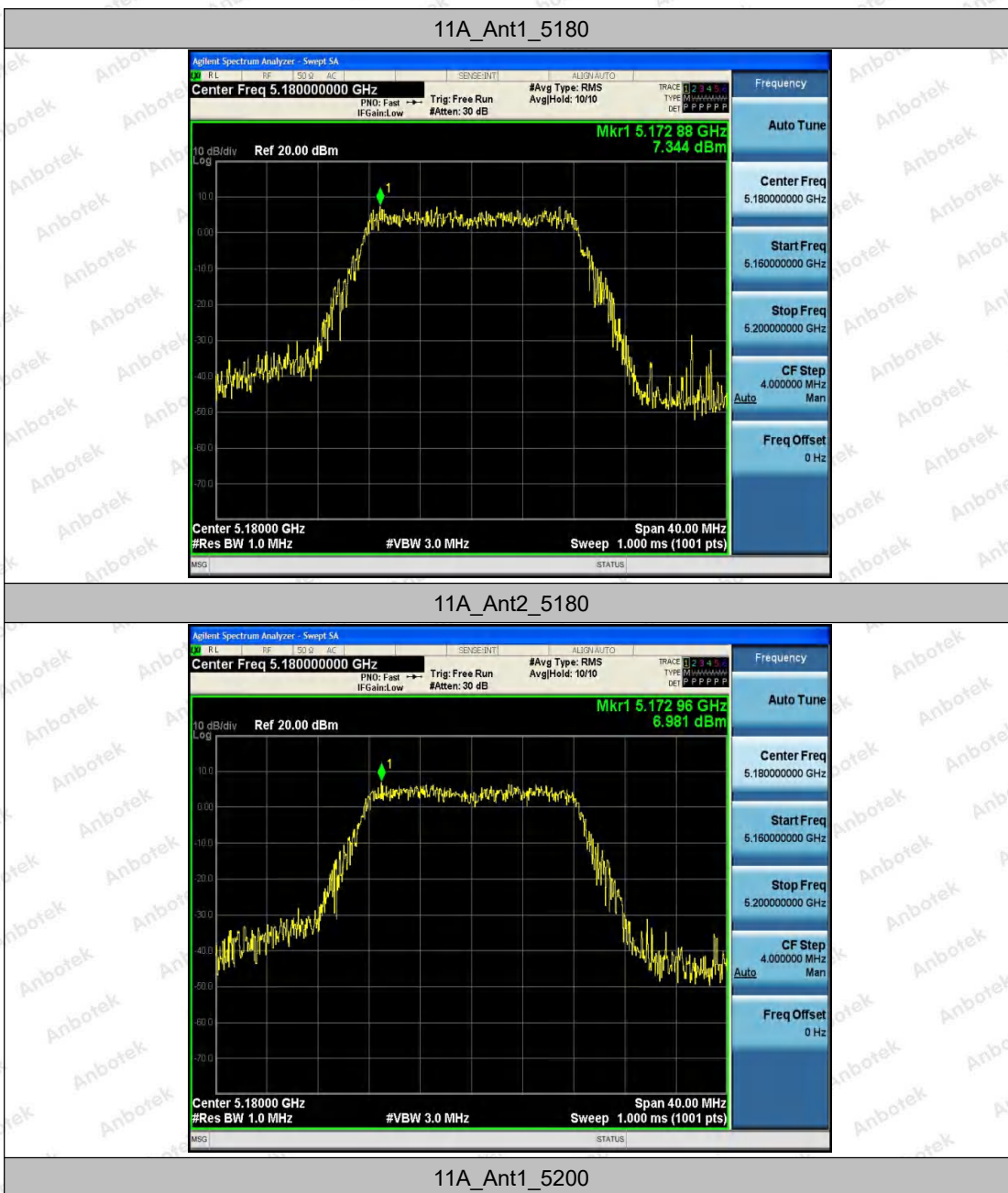


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Test Graphs



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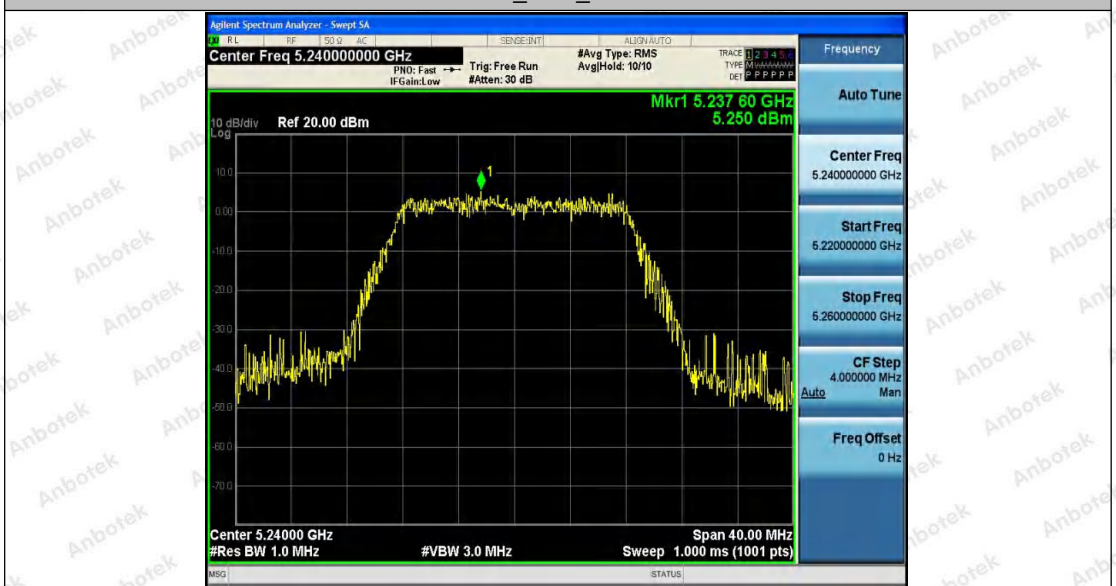
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11A_Ant2_5200



11A_Ant1_5240



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