

Appendix Test Data

Report No.:	18220WC20023803	Test Sample No.:	1-2-2
Start Test Date:	2022.2.18	Finish Test Date:	2022.2.22
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	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	21.080	5169.480	5190.560	---	PASS
		5200	20.880	5189.560	5210.440	---	PASS
		5240	20.880	5229.640	5250.520	---	PASS
		5745	21.240	5734.480	5755.720	---	PASS
		5785	21.240	5774.320	5795.560	---	PASS
		5825	21.400	5814.480	5835.880	---	PASS
11N20SI SO	Ant1	5180	21.160	5169.520	5190.680	---	PASS
		5200	21.400	5189.240	5210.640	---	PASS
		5240	21.240	5229.520	5250.760	---	PASS
		5745	21.400	5734.280	5755.680	---	PASS
		5785	21.280	5774.280	5795.560	---	PASS
		5825	21.440	5814.320	5835.760	---	PASS
11N40SI SO	Ant1	5190	39.440	5170.320	5209.760	---	PASS
		5230	39.120	5210.560	5249.680	---	PASS
		5755	39.200	5735.480	5774.680	---	PASS
		5795	43.600	5770.920	5814.520	---	PASS
11AC20S ISO	Ant1	5180	21.320	5169.440	5190.760	---	PASS
		5200	21.200	5189.520	5210.720	---	PASS
		5240	21.560	5229.280	5250.840	---	PASS
		5745	21.120	5734.520	5755.640	---	PASS
		5785	21.040	5774.400	5795.440	---	PASS
		5825	21.320	5814.360	5835.680	---	PASS
11AC40S ISO	Ant1	5190	39.440	5170.400	5209.840	---	PASS
		5230	39.600	5210.320	5249.920	---	PASS
		5755	39.280	5735.400	5774.680	---	PASS

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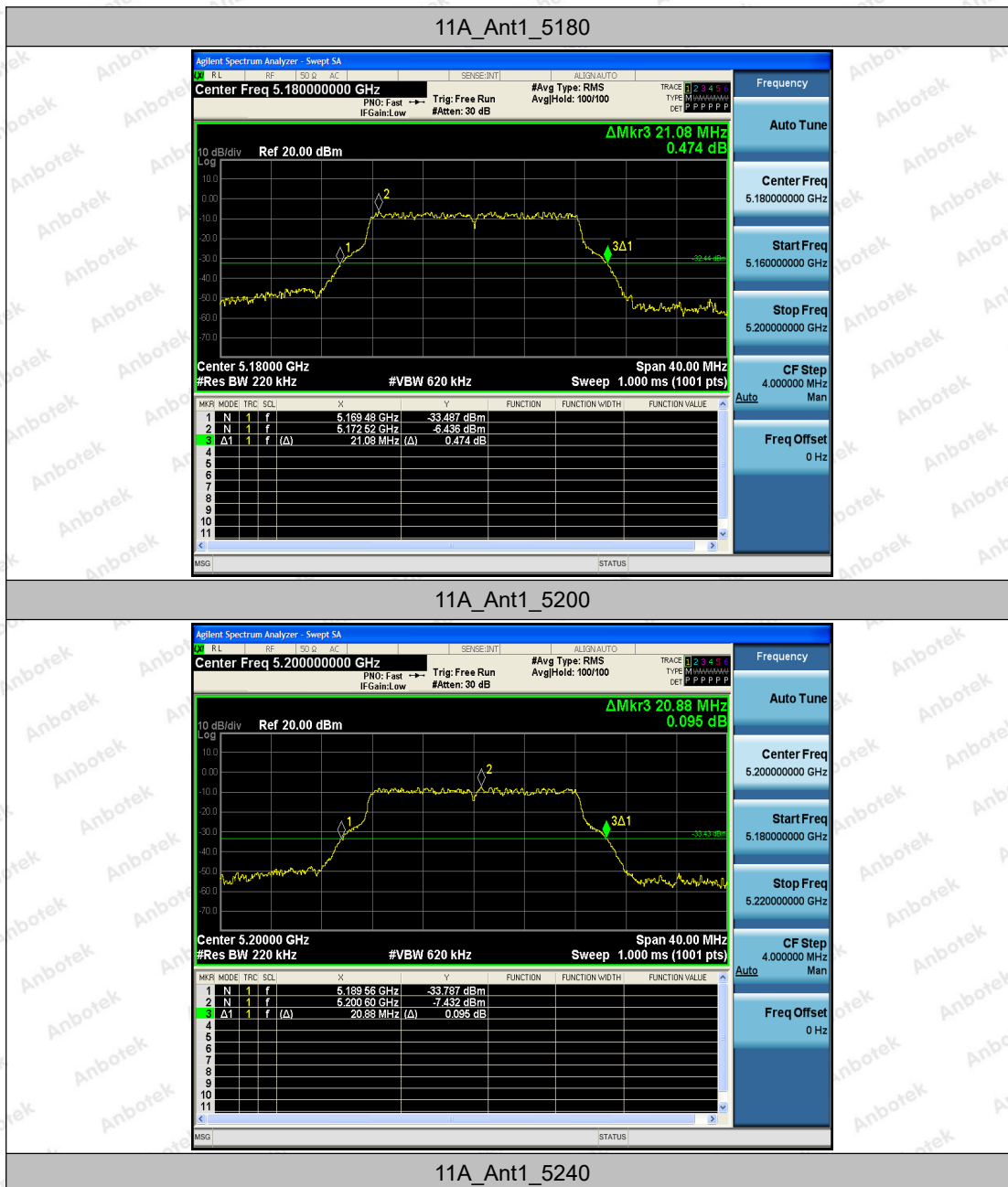
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		5795	43.760	5770.920	5814.680	---	PASS
11AC80S ISO	Ant1	5210	80.960	5169.520	5250.480	---	PASS
		5775	80.160	5734.680	5814.840	---	PASS

Test Graphs

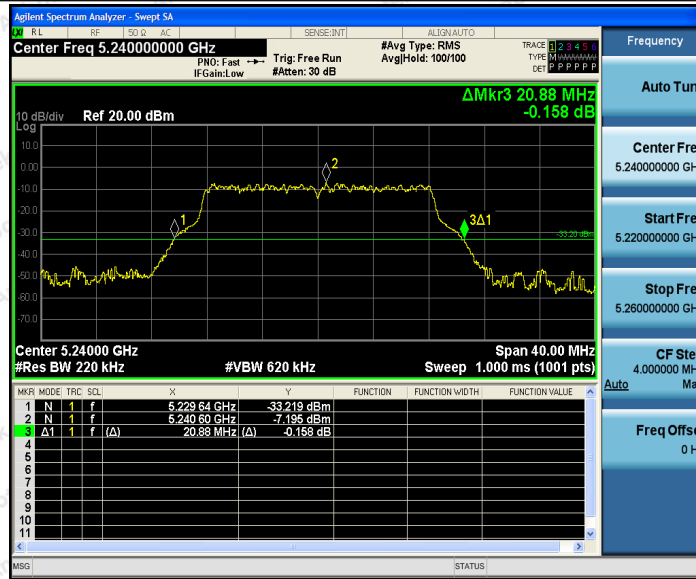


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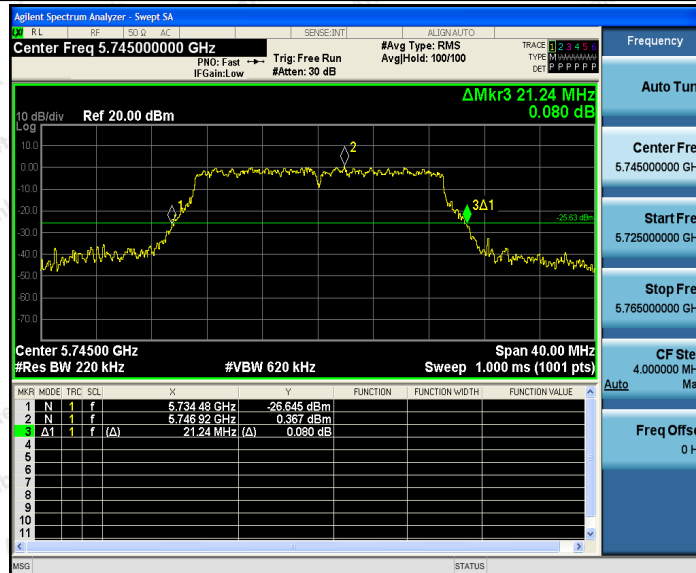
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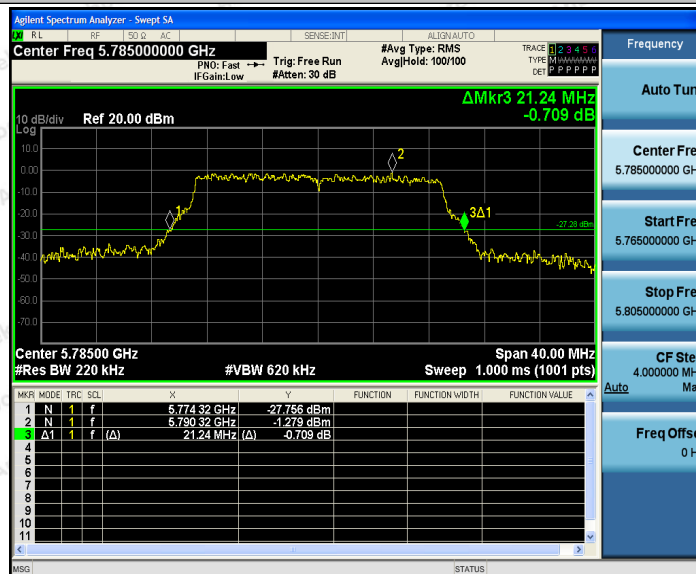
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11A_Ant1_5745



11A_Ant1_5785



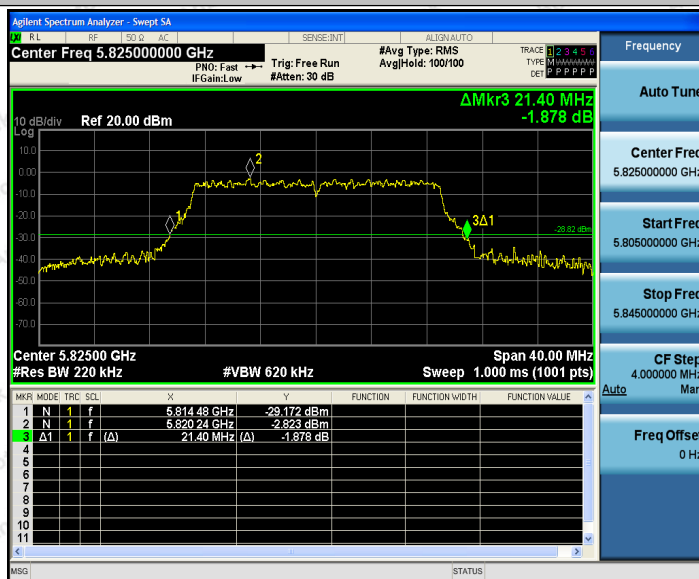
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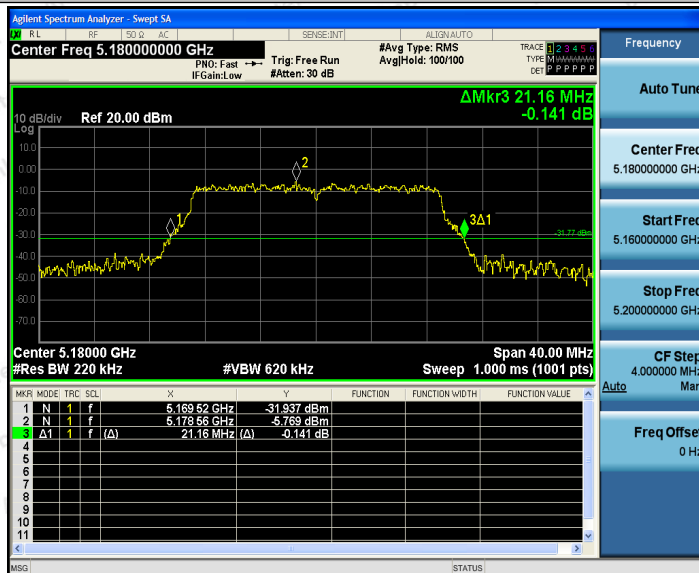
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11A_Ant1_5825



11N20SISO_Ant1_5180



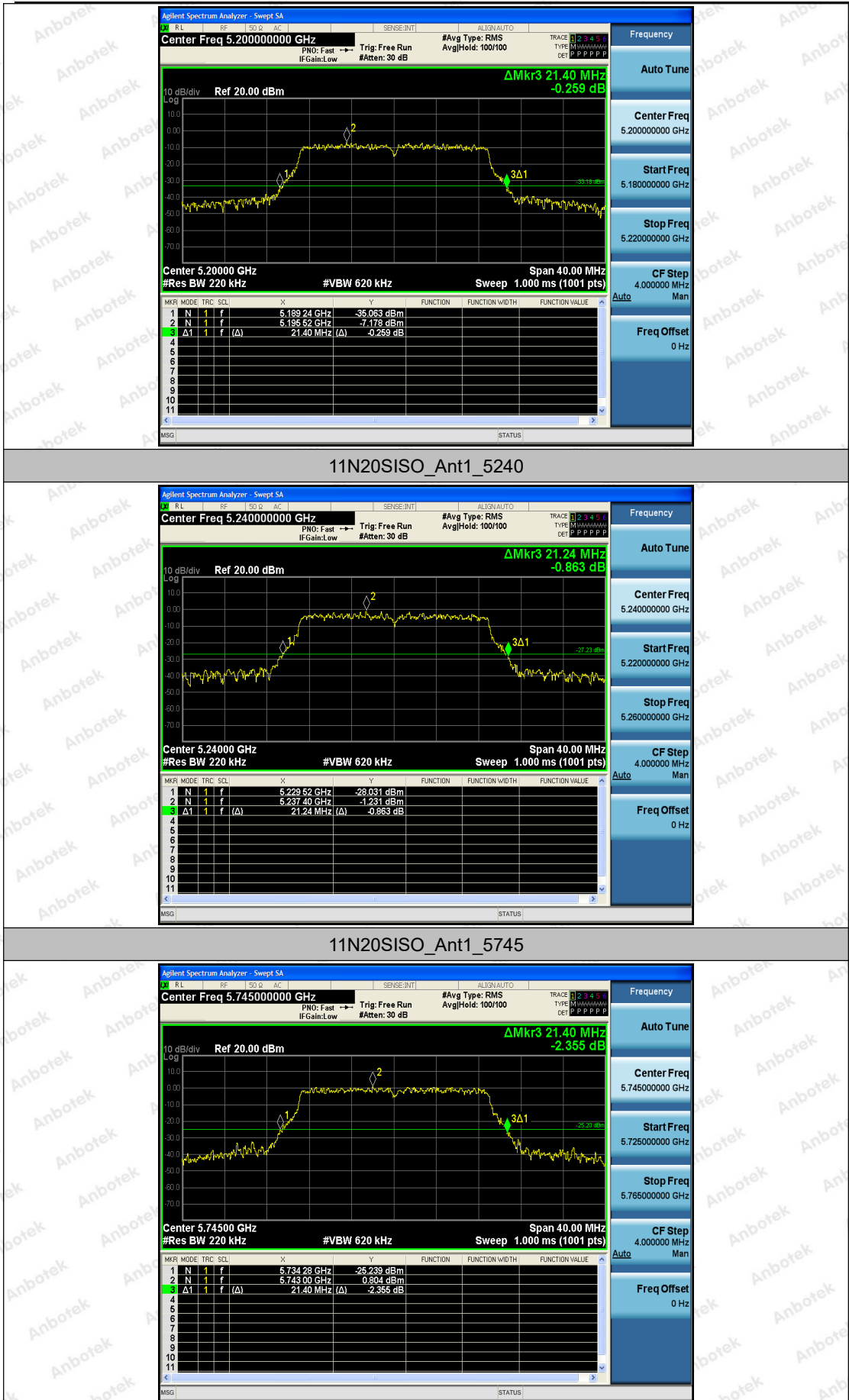
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11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



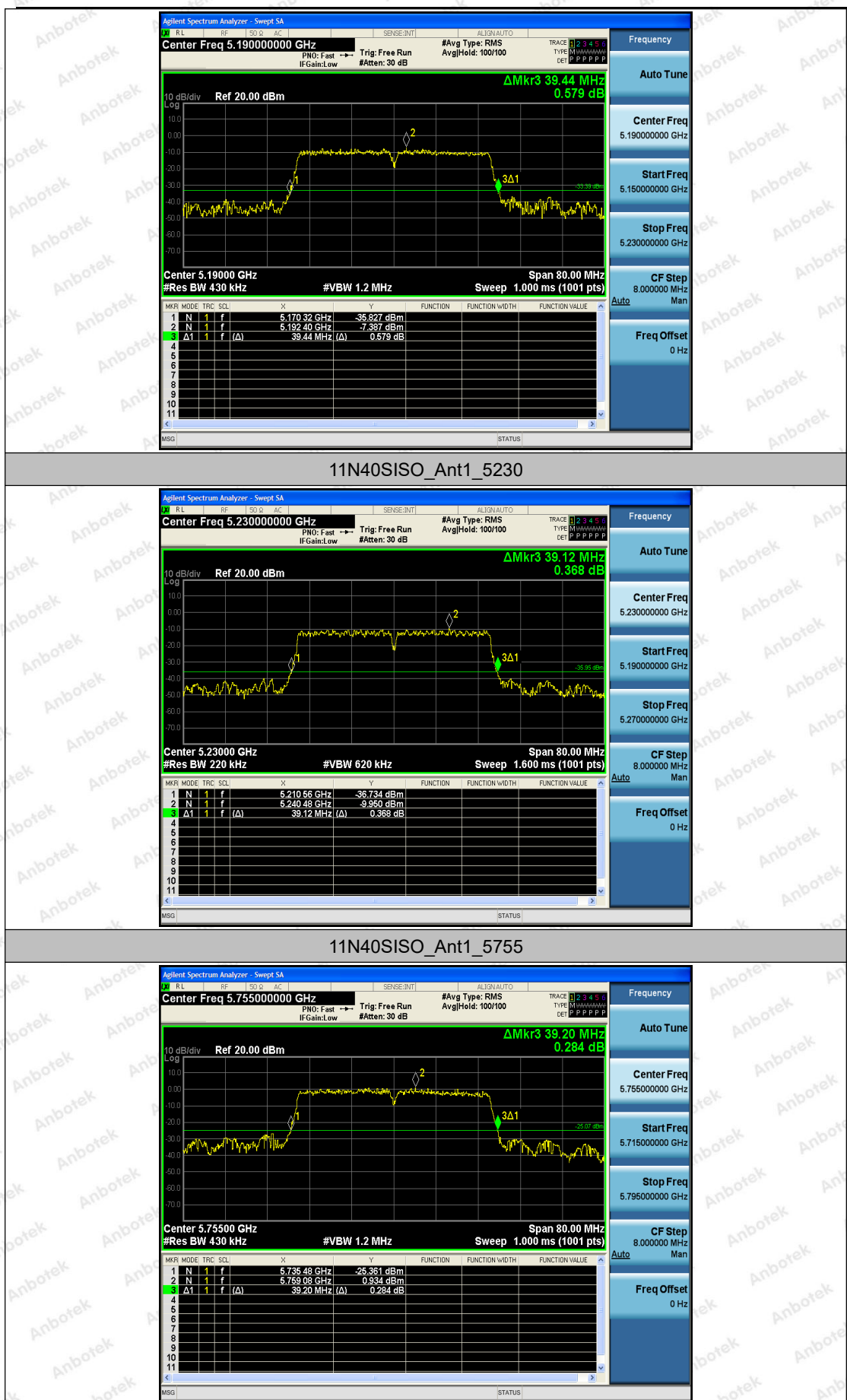
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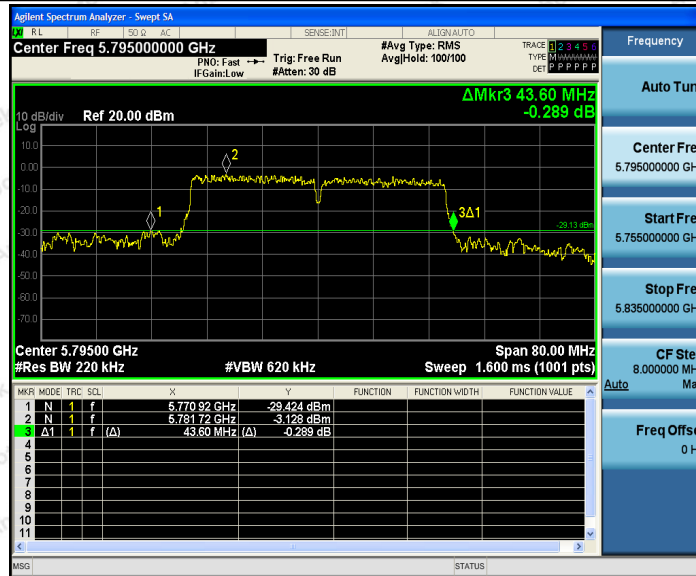
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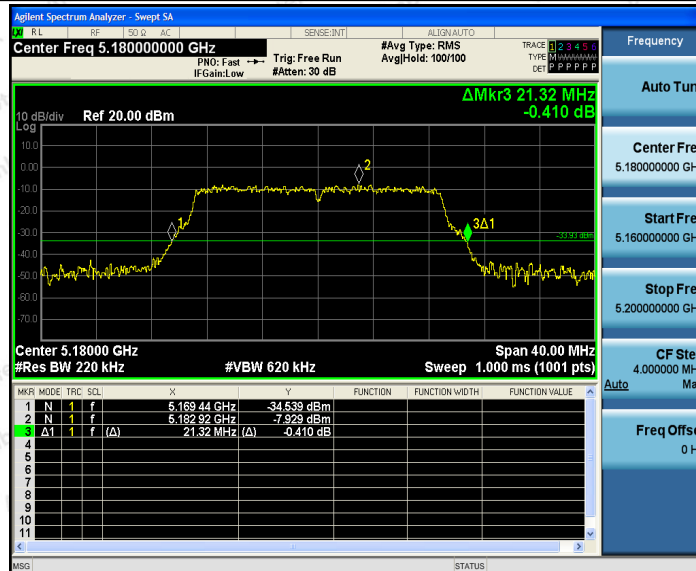
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11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



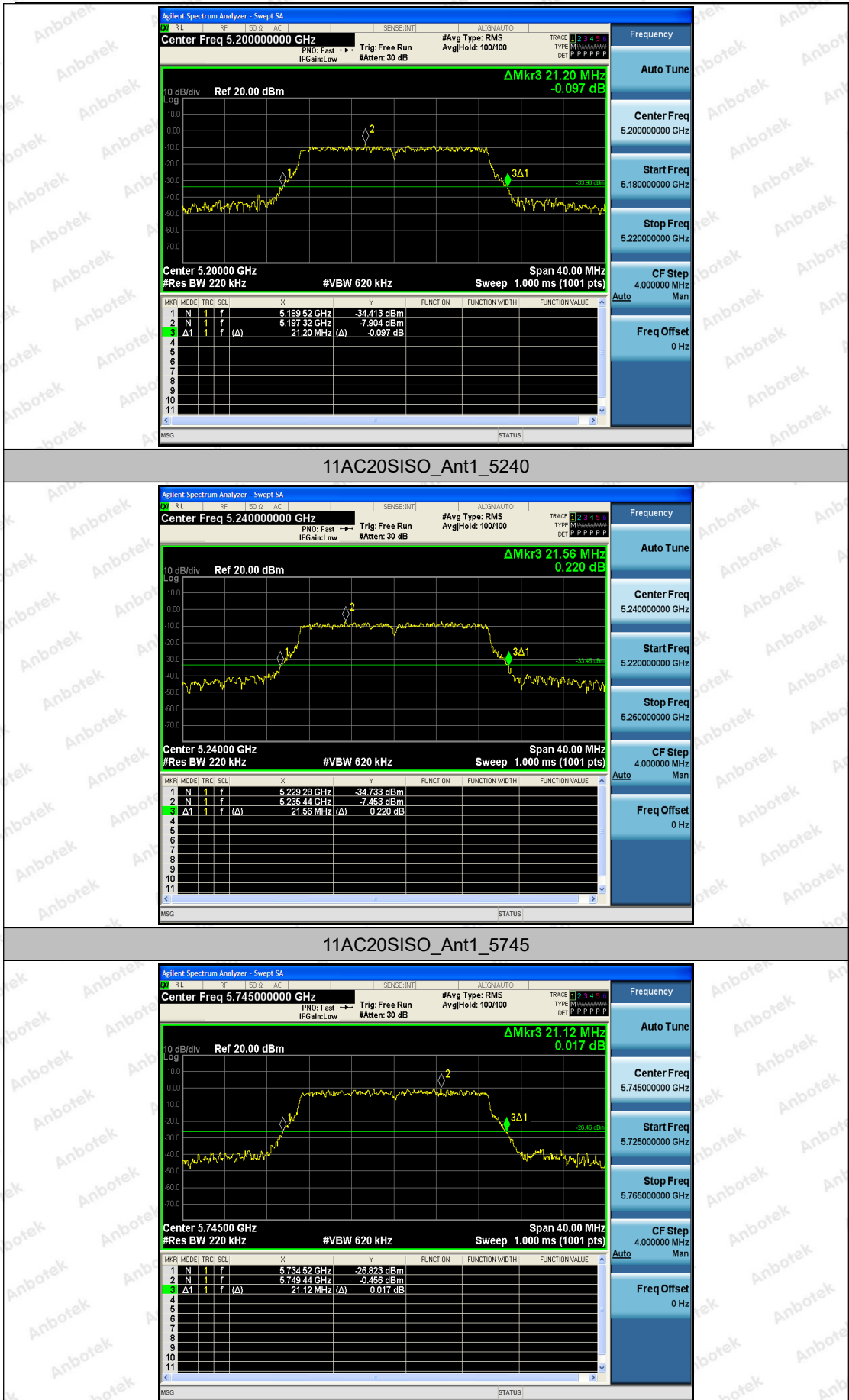
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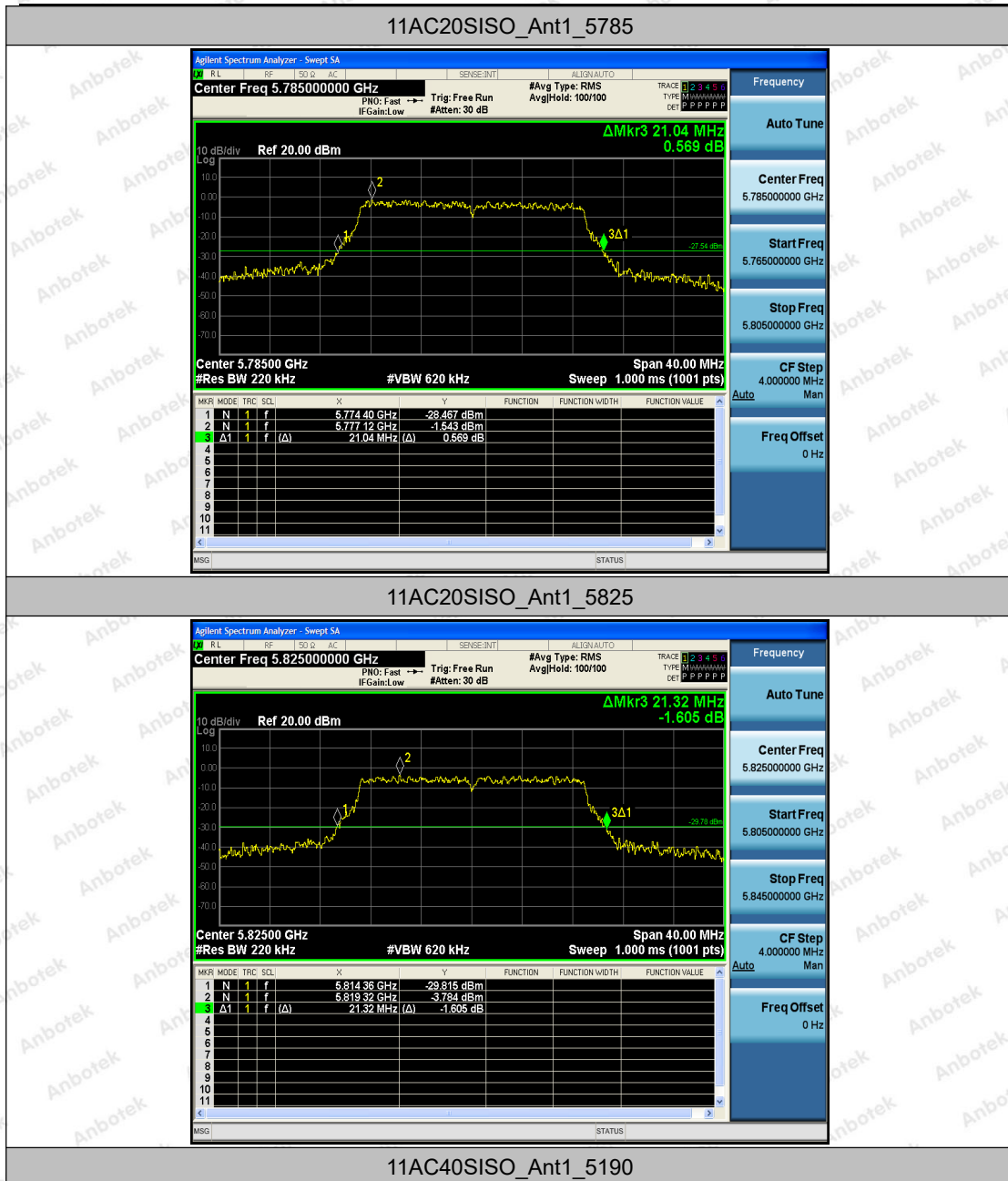


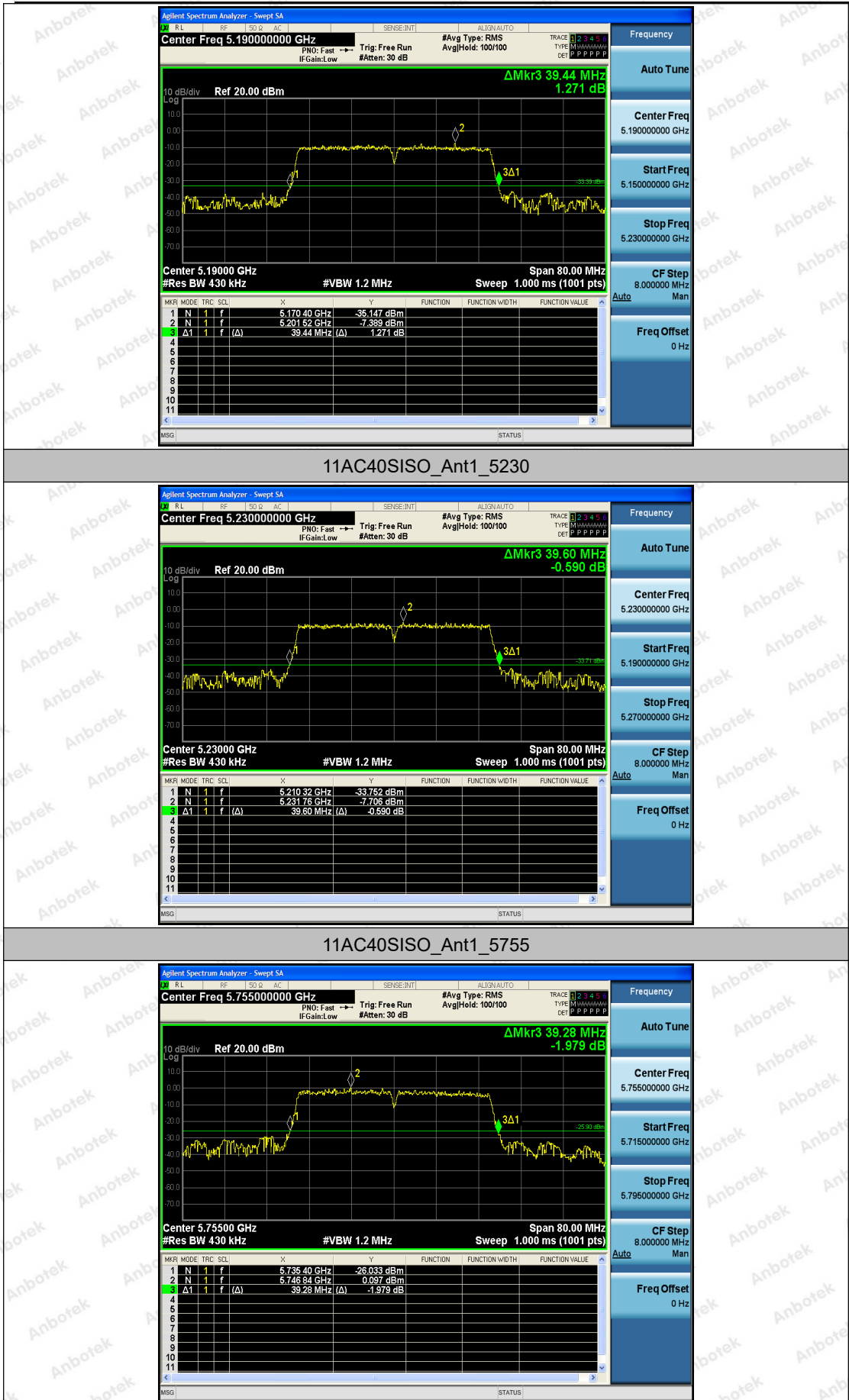
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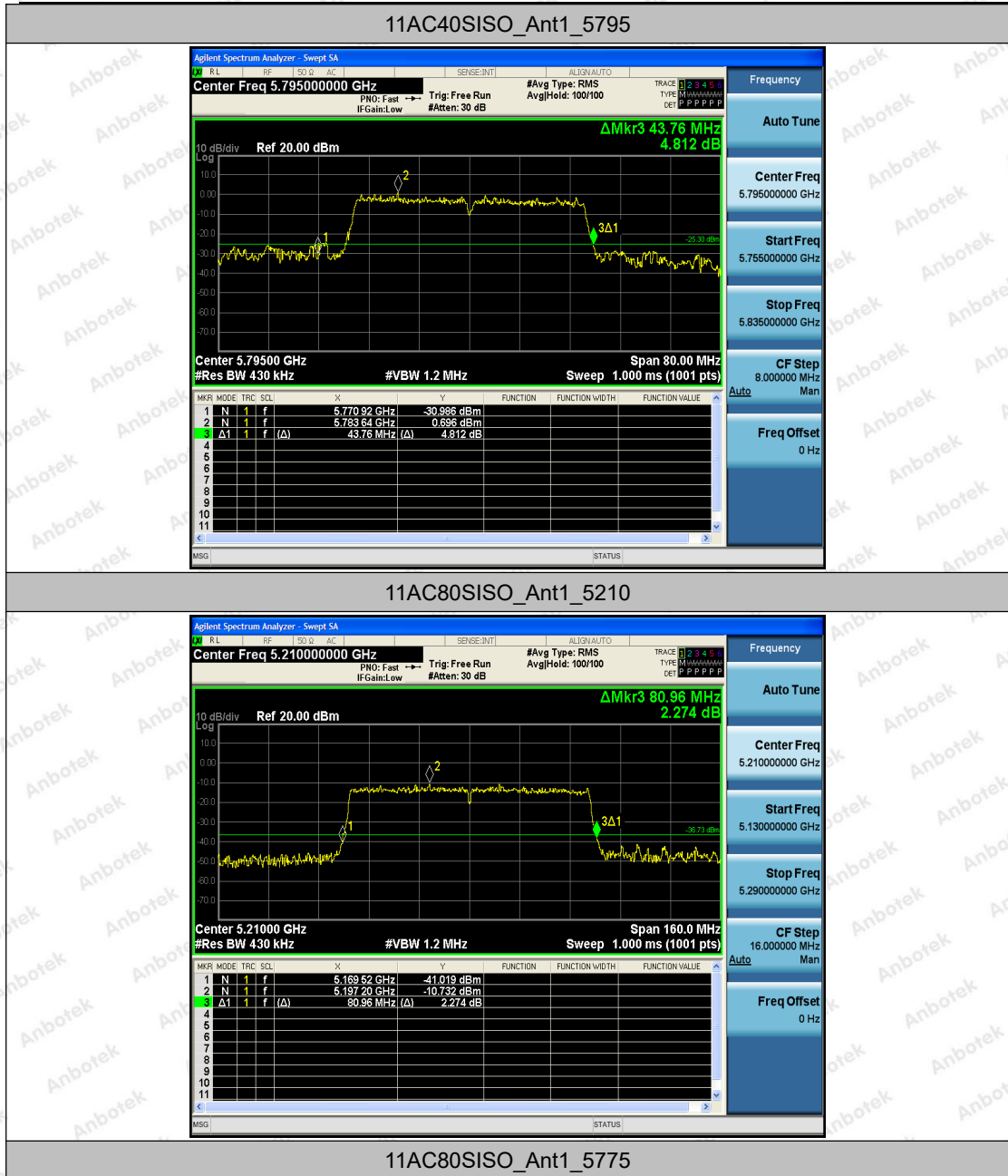


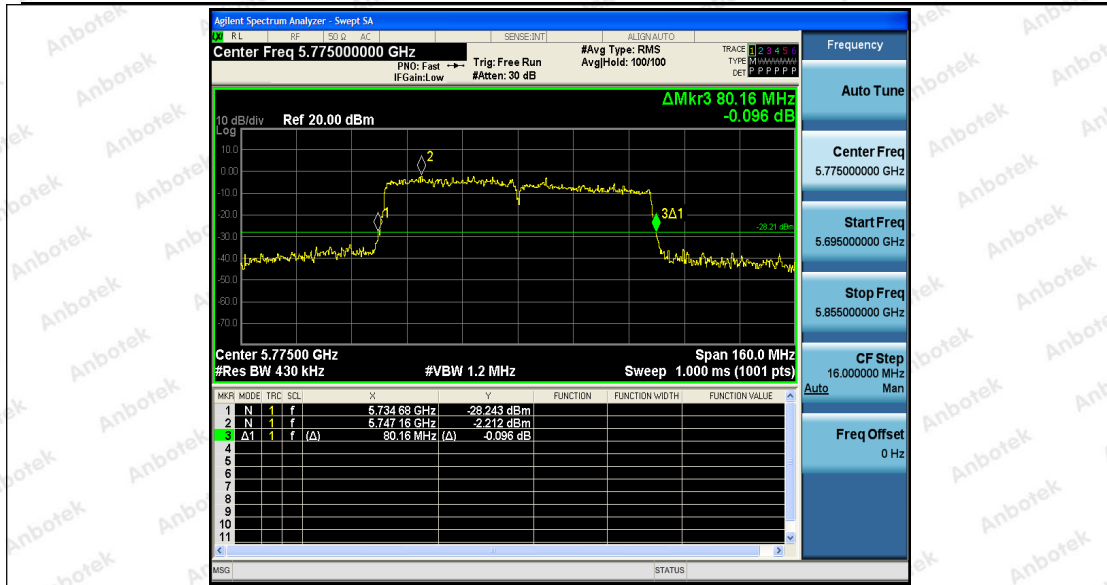
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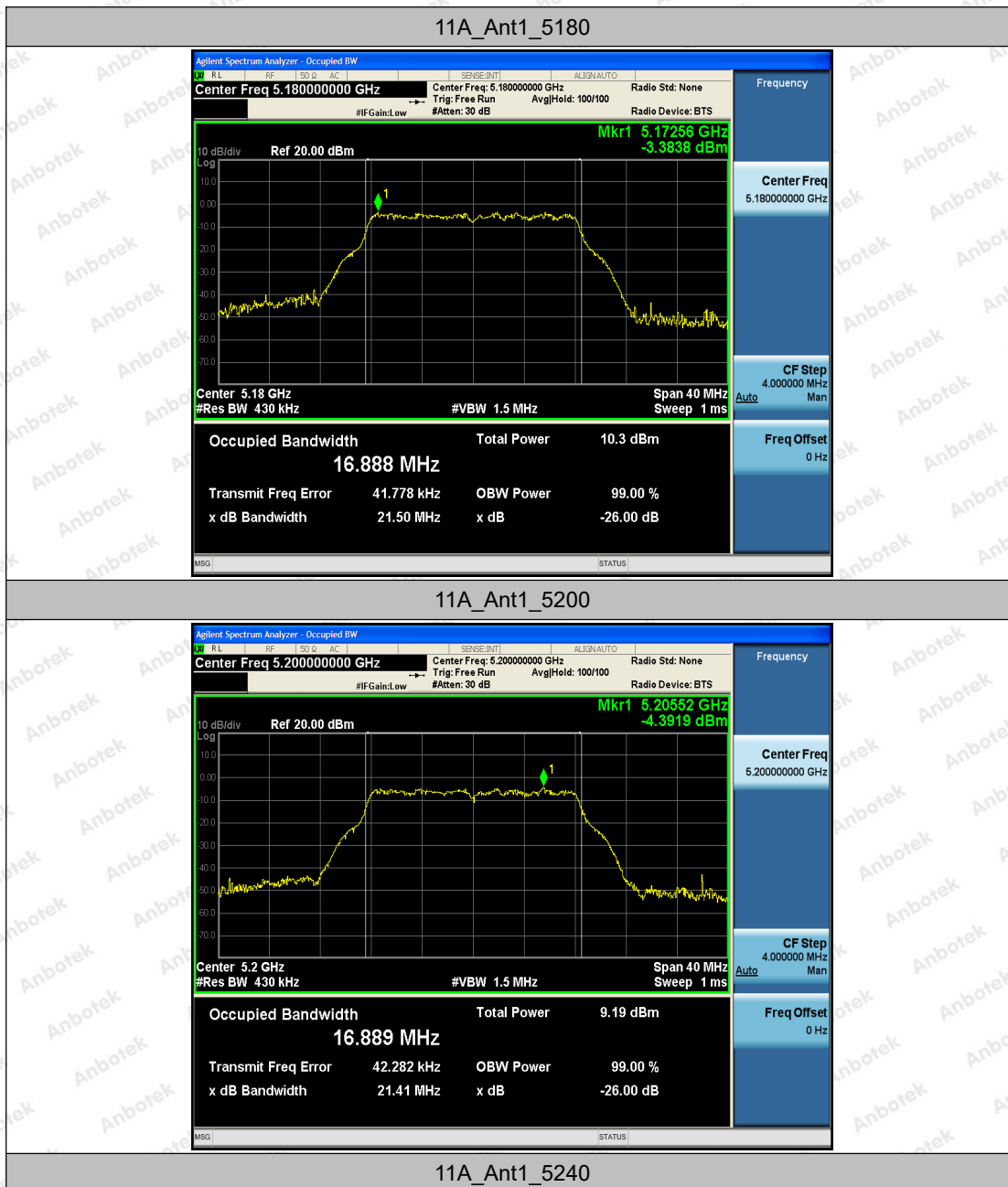
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Appendix A2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.888	5171.598	5188.486	---	PASS
		5200	16.889	5191.598	5208.487	---	PASS
		5240	16.882	5231.621	5248.503	---	PASS
		5745	18.151	5736.014	5754.165	---	PASS
		5785	18.284	5775.825	5794.109	---	PASS
		5825	18.144	5815.983	5834.127	---	PASS
11N20SI SO	Ant1	5180	18.132	5170.965	5189.097	---	PASS
		5200	18.158	5190.950	5209.108	---	PASS
		5240	18.186	5230.919	5249.105	---	PASS
		5745	18.150	5735.959	5754.109	---	PASS
		5785	18.160	5775.885	5794.045	---	PASS
		5825	18.225	5815.950	5834.175	---	PASS
11N40SI SO	Ant1	5190	36.349	5171.882	5208.231	---	PASS
		5230	36.371	5211.893	5248.264	---	PASS
		5755	36.214	5736.938	5773.152	---	PASS
		5795	36.519	5776.722	5813.241	---	PASS
11AC20S ISO	Ant1	5180	18.171	5170.930	5189.101	---	PASS
		5200	18.165	5190.953	5209.118	---	PASS
		5240	18.156	5230.949	5249.105	---	PASS
		5745	18.148	5735.993	5754.141	---	PASS
		5785	18.132	5775.899	5794.031	---	PASS
		5825	18.190	5815.991	5834.181	---	PASS
11AC40S ISO	Ant1	5190	36.607	5171.767	5208.374	---	PASS
		5230	36.563	5211.783	5248.346	---	PASS
		5755	36.460	5736.735	5773.195	---	PASS
		5795	36.763	5776.496	5813.259	---	PASS
11AC80S ISO	Ant1	5210	75.832	5172.145	5247.977	---	PASS
		5775	75.642	5737.003	5812.645	---	PASS

Test Graphs



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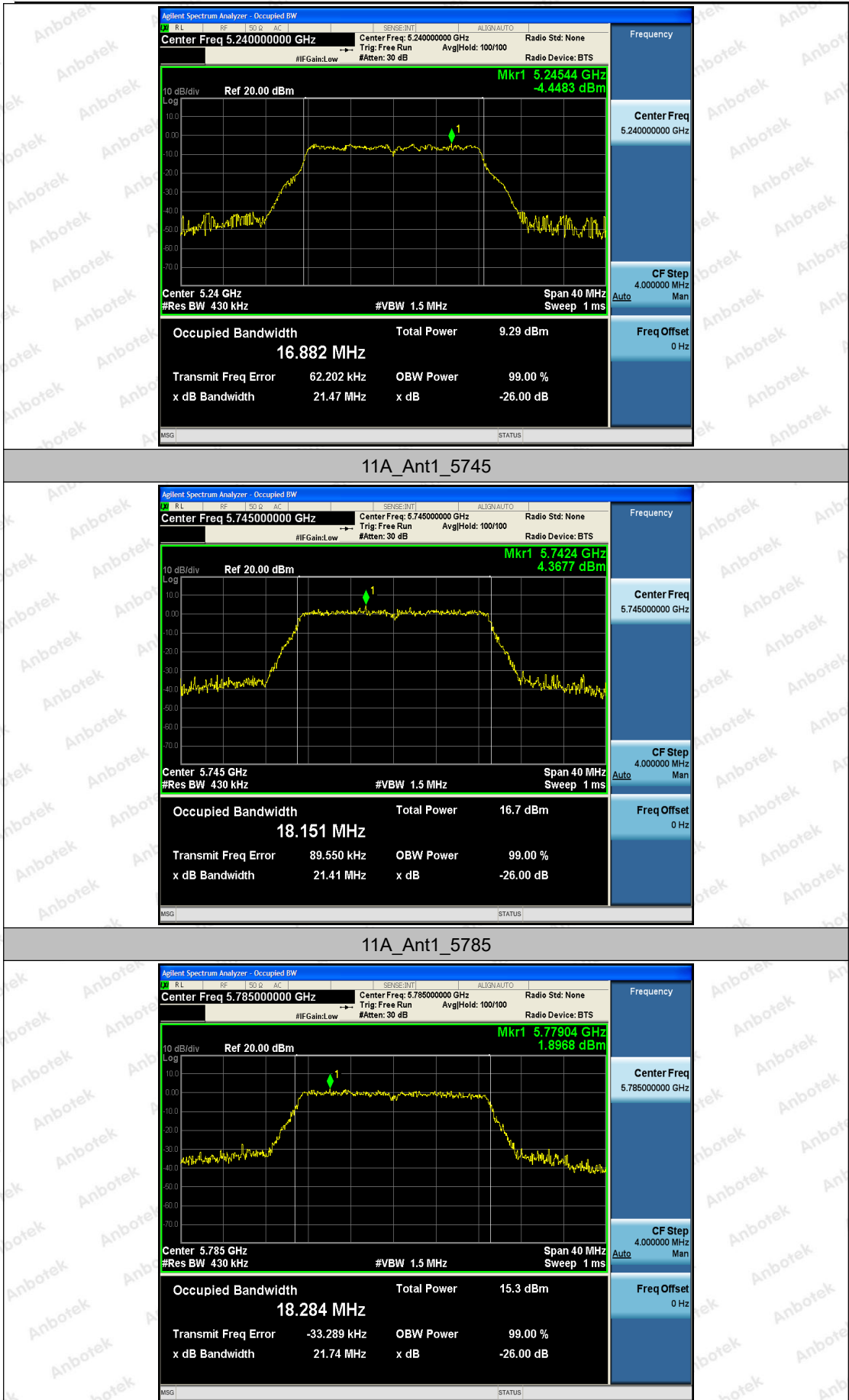
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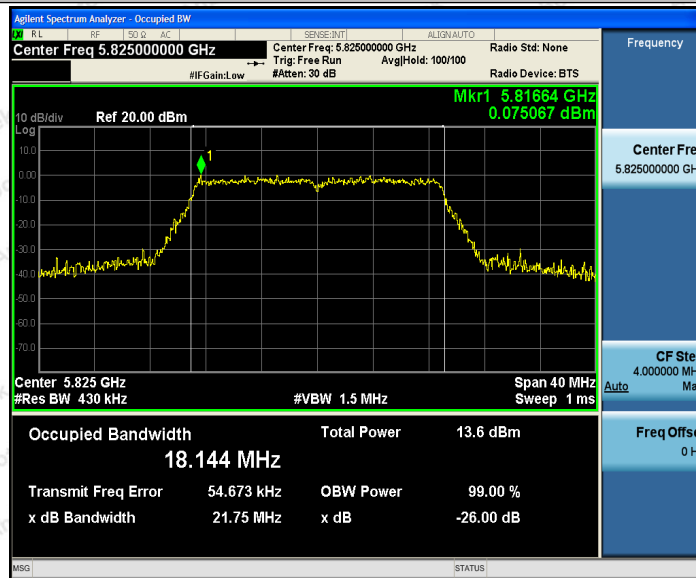
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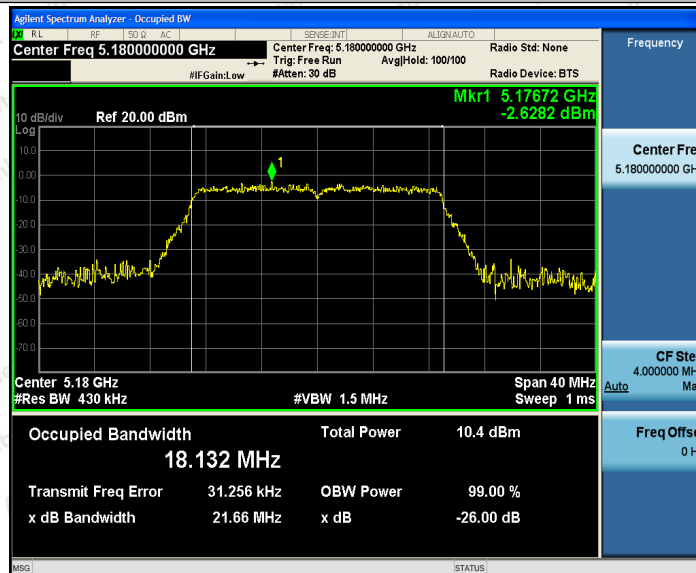
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11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200

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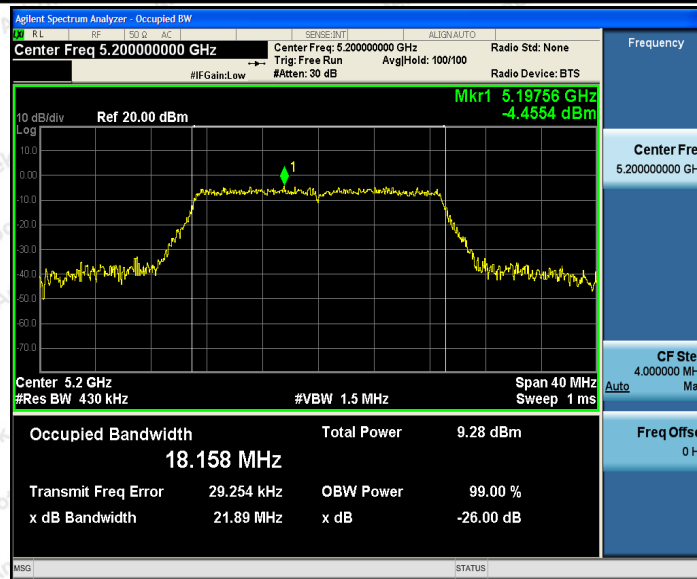
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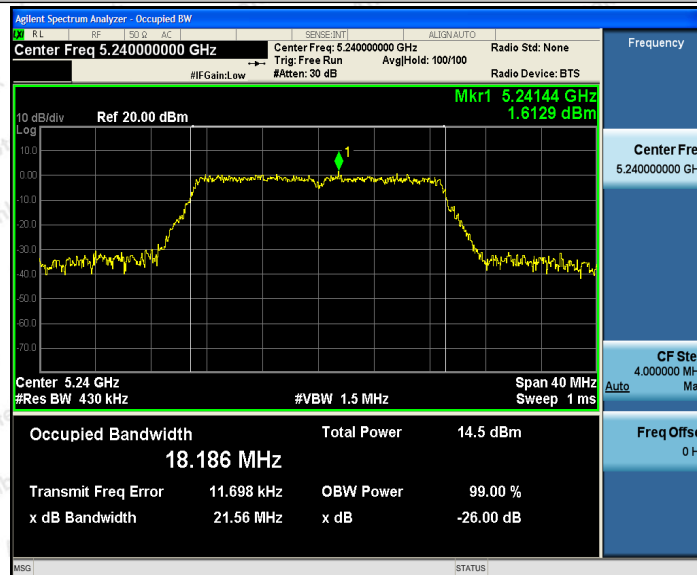
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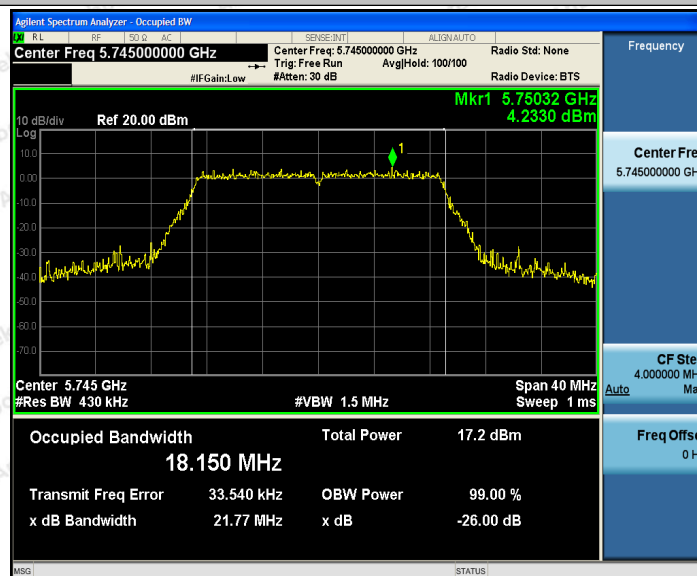
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11N20SISO_Ant1_5240



11N20SISO_Ant1_5745



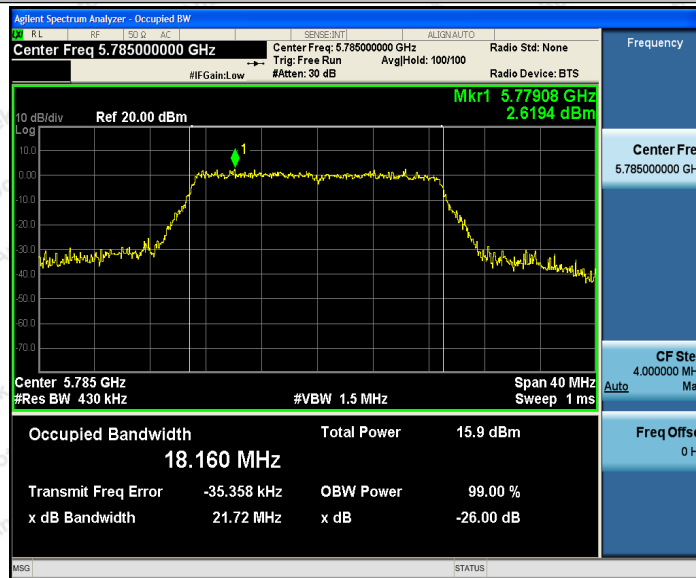
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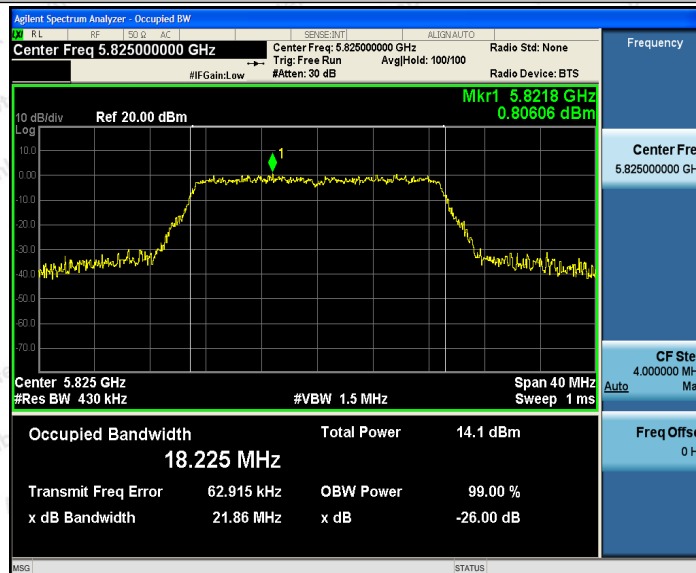
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11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



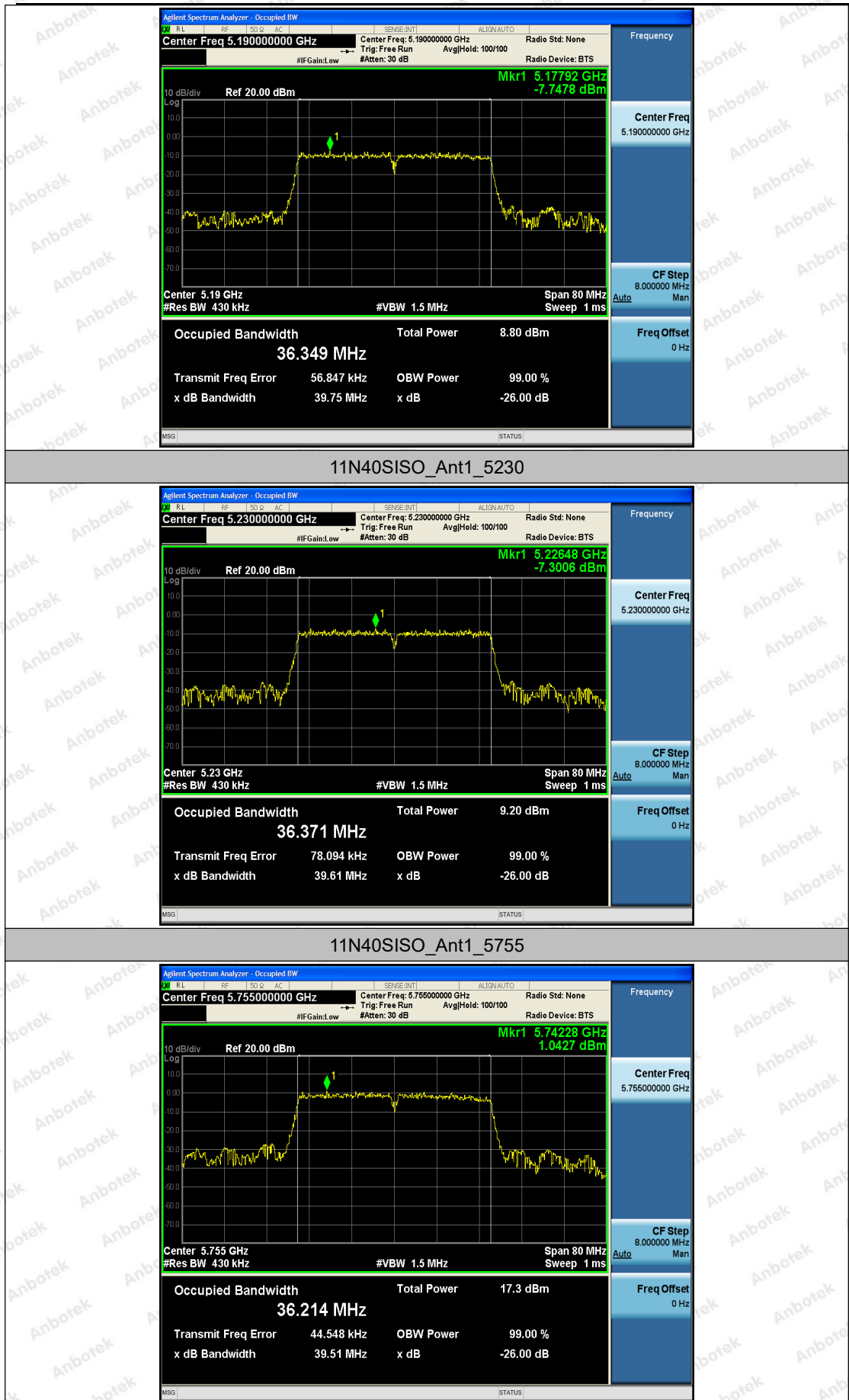
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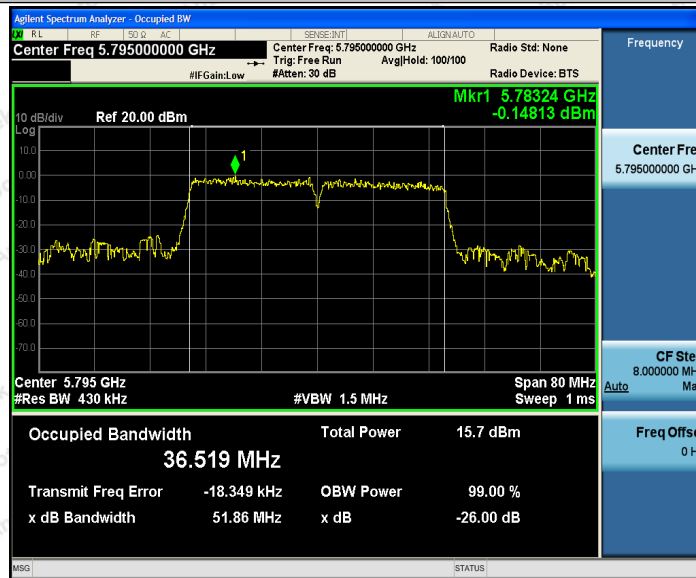
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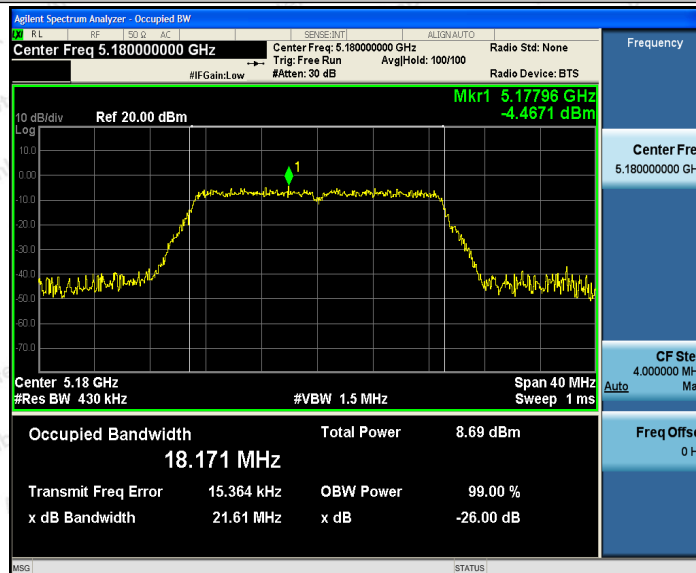
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11AC20SISO_Ant1_5180



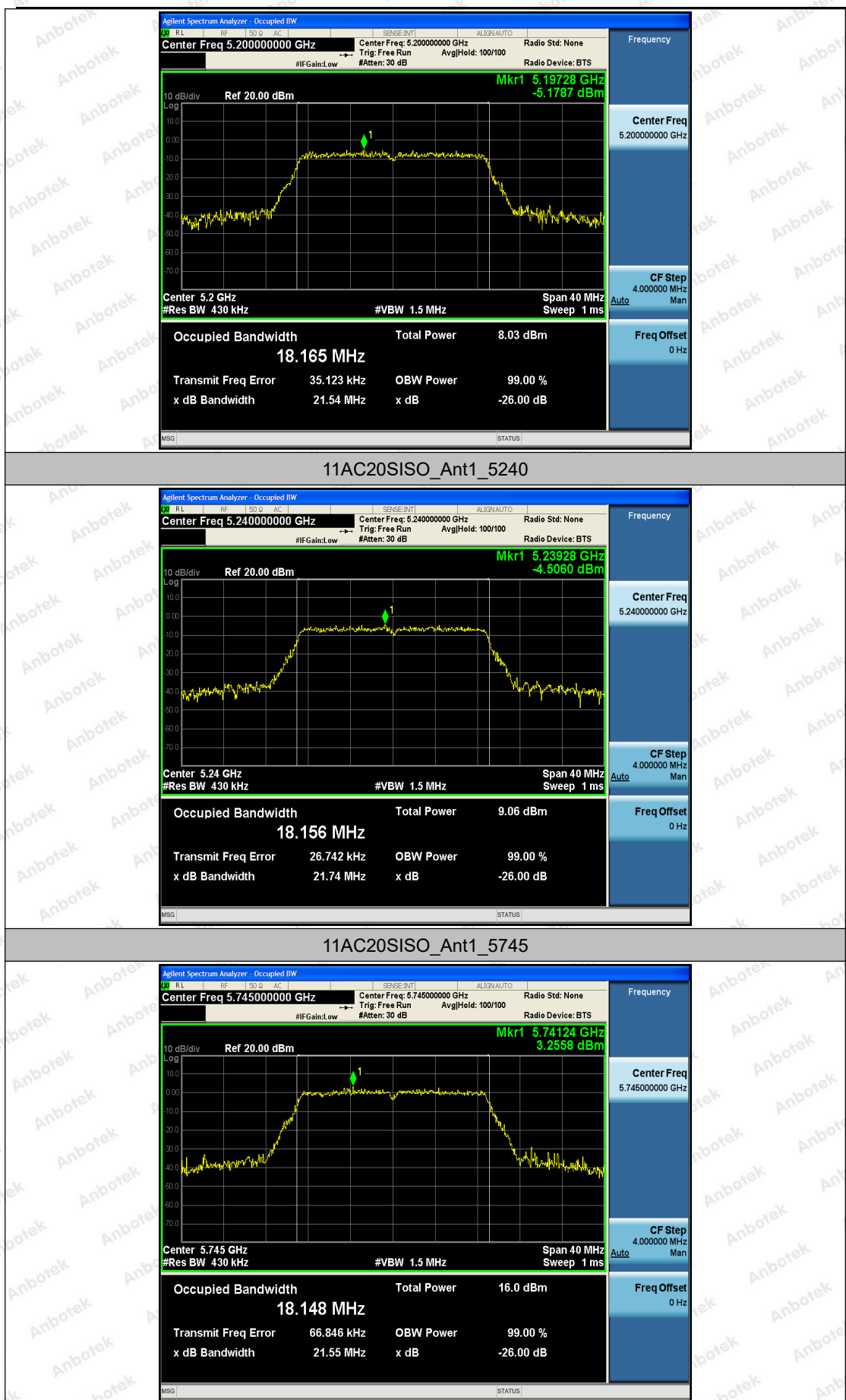
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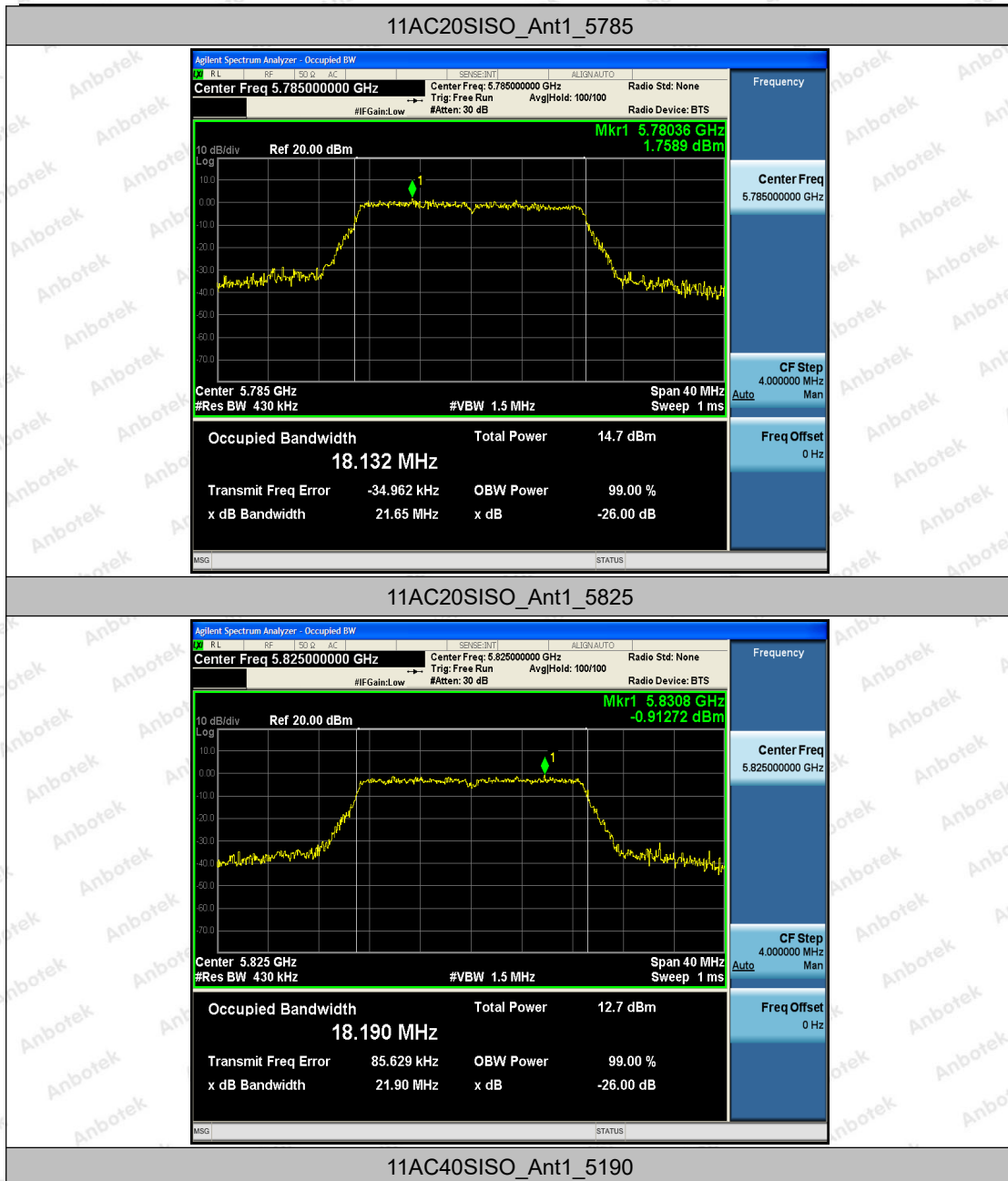


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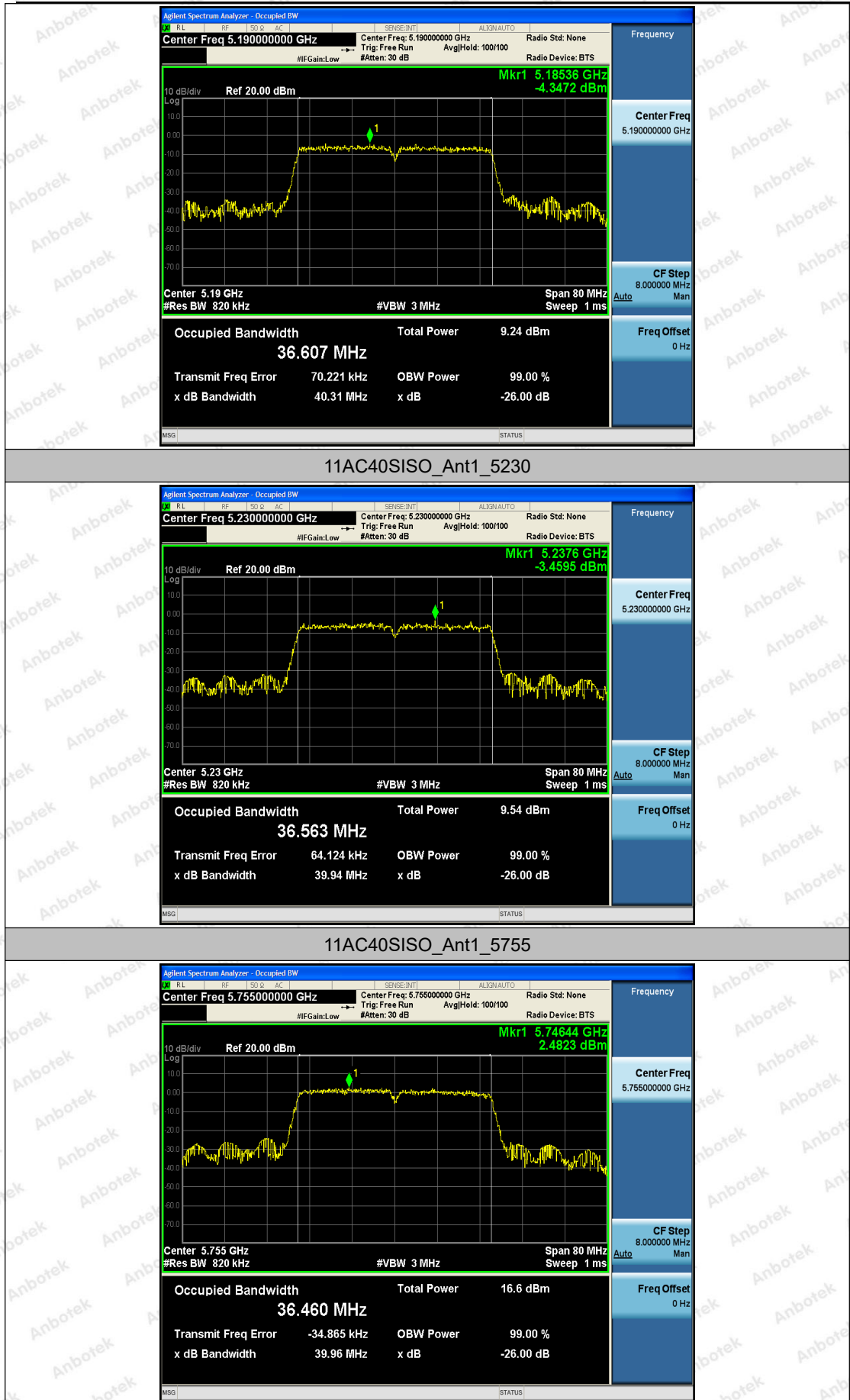
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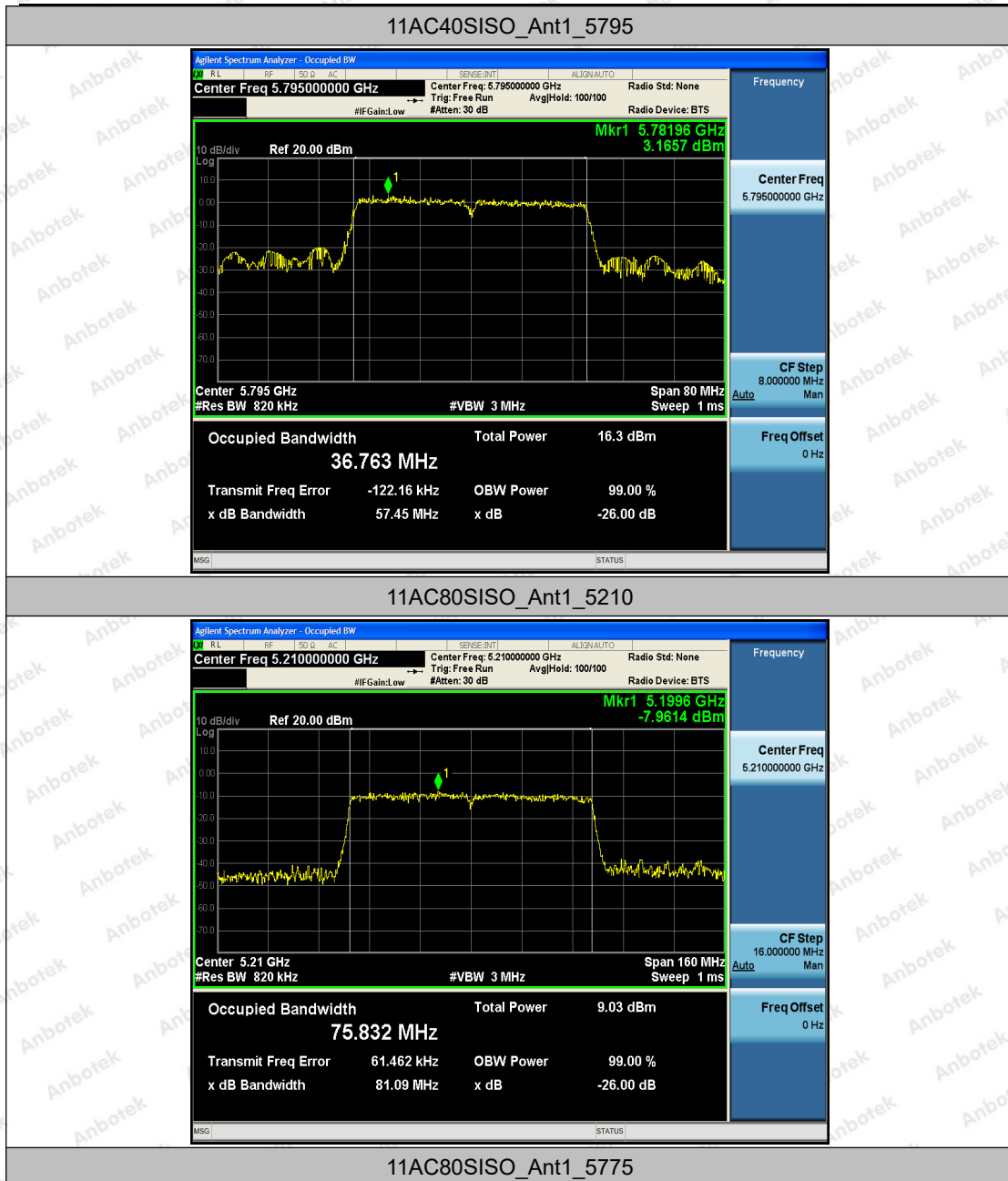


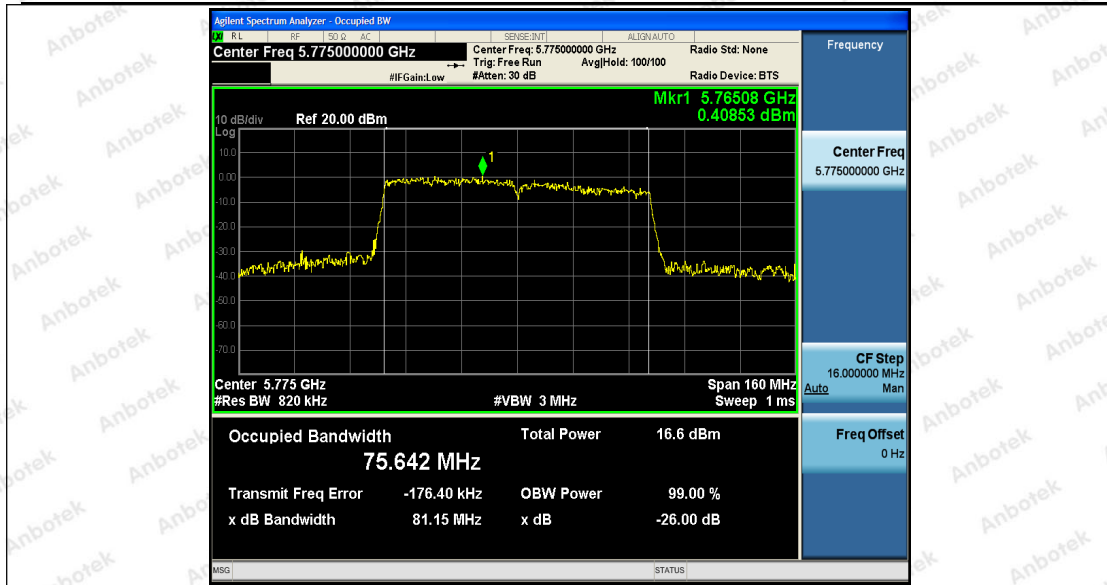
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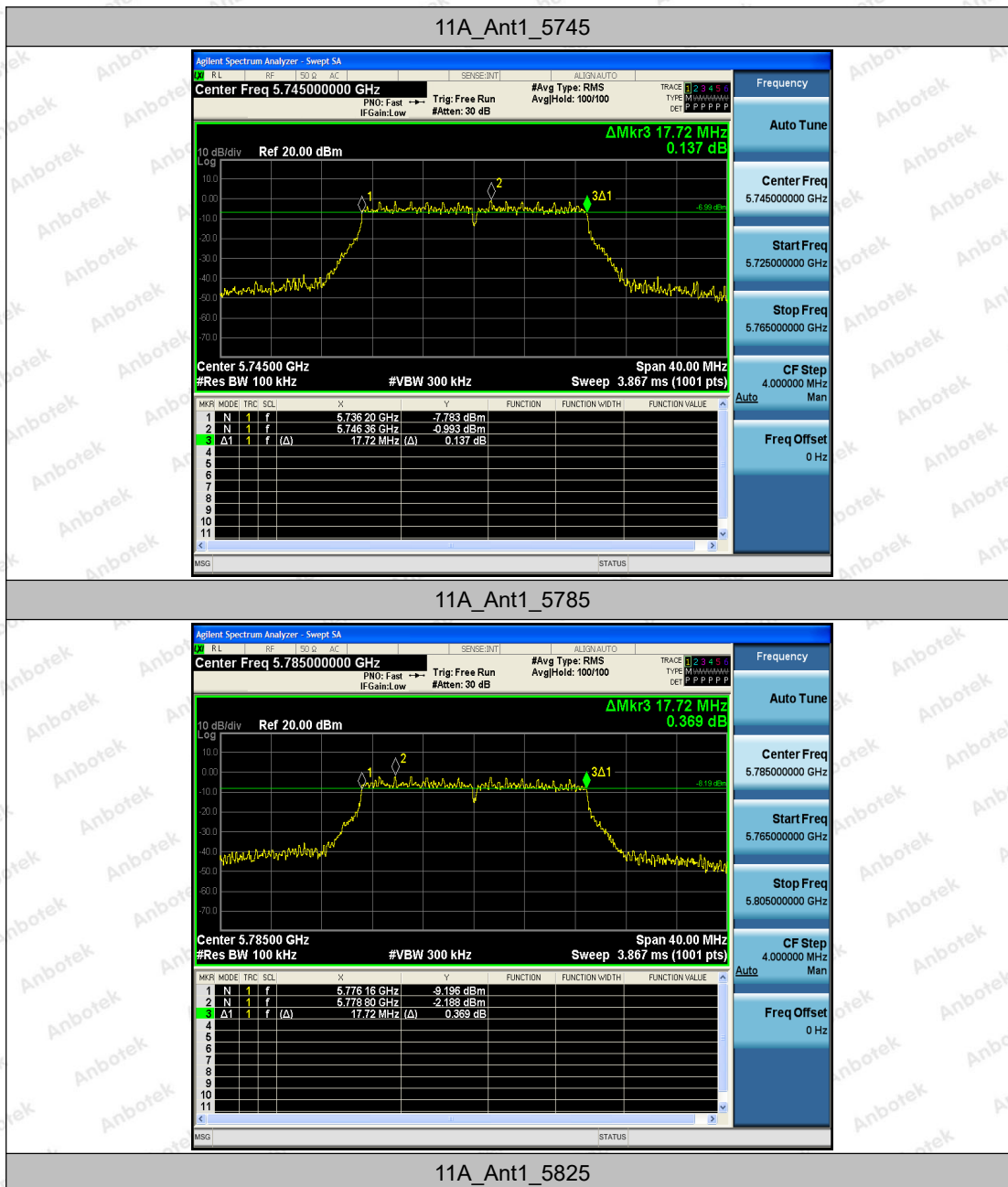
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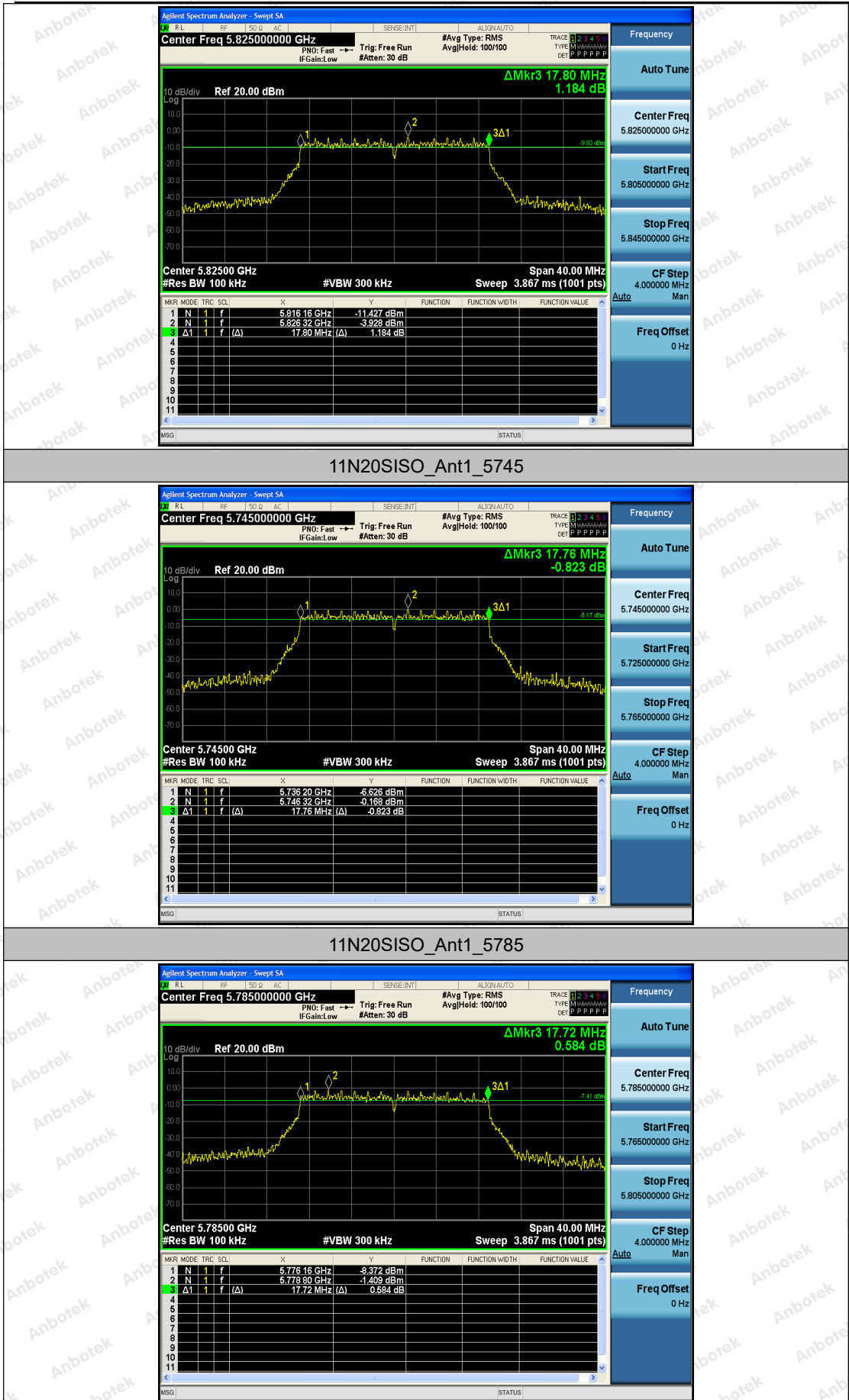
Appendix A3: Min emission bandwidth

Test Result

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.720	5736.200	5753.920	0.5	PASS
		5785	17.720	5776.160	5793.880	0.5	PASS
		5825	17.800	5816.160	5833.960	0.5	PASS
11N20SI SO	Ant1	5745	17.760	5736.200	5753.960	0.5	PASS
		5785	17.720	5776.160	5793.880	0.5	PASS
		5825	17.760	5816.160	5833.920	0.5	PASS
11N40SI SO	Ant1	5755	36.080	5736.840	5772.920	0.5	PASS
		5795	36.560	5776.760	5813.320	0.5	PASS
11AC20S ISO	Ant1	5745	17.800	5736.160	5753.960	0.5	PASS
		5785	17.680	5776.160	5793.840	0.5	PASS
		5825	17.760	5816.160	5833.920	0.5	PASS
11AC40S ISO	Ant1	5755	36.560	5736.760	5773.320	0.5	PASS
		5795	36.480	5776.760	5813.240	0.5	PASS
11AC80S ISO	Ant1	5775	76.000	5736.760	5812.760	0.5	PASS

Test Graphs



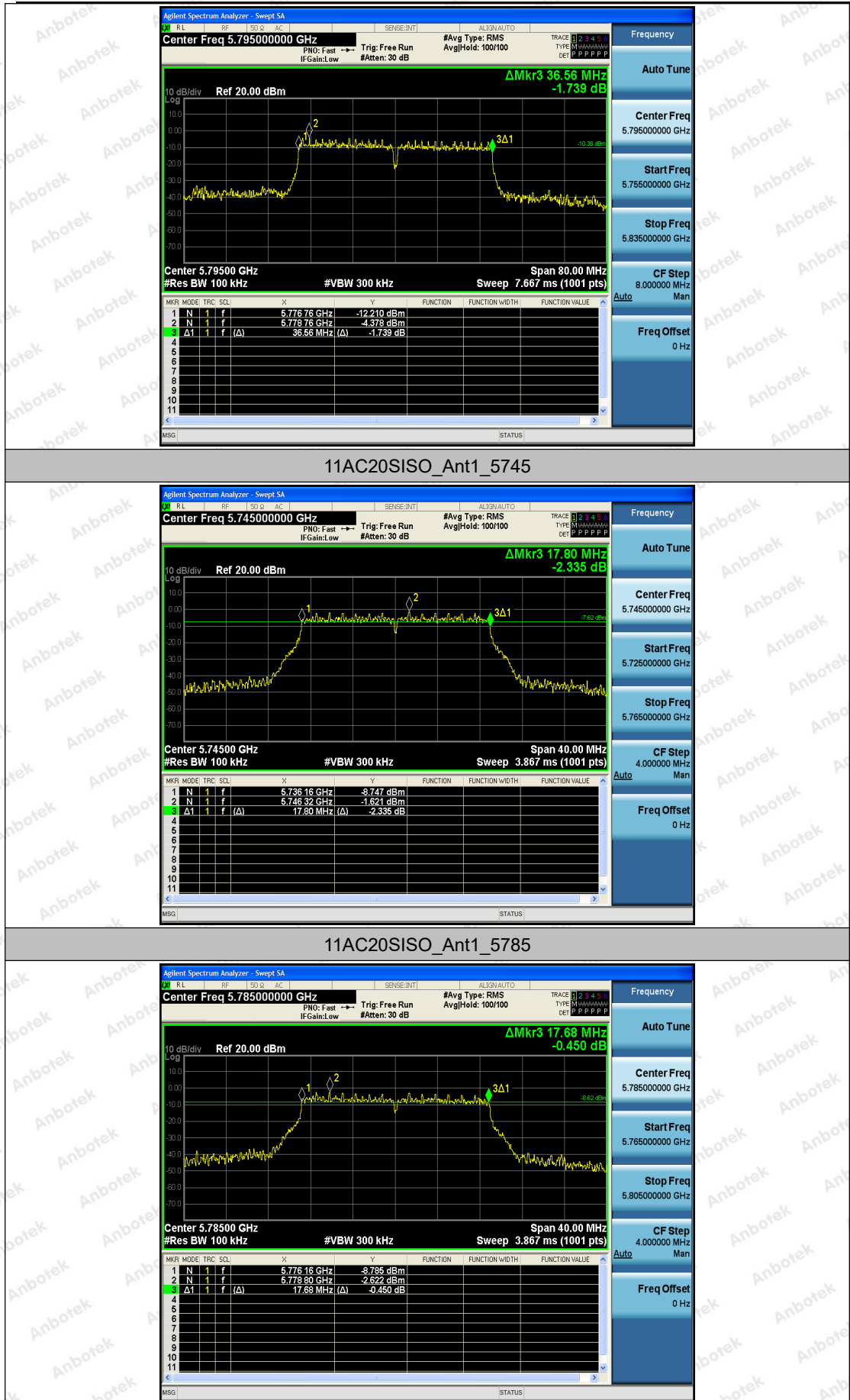


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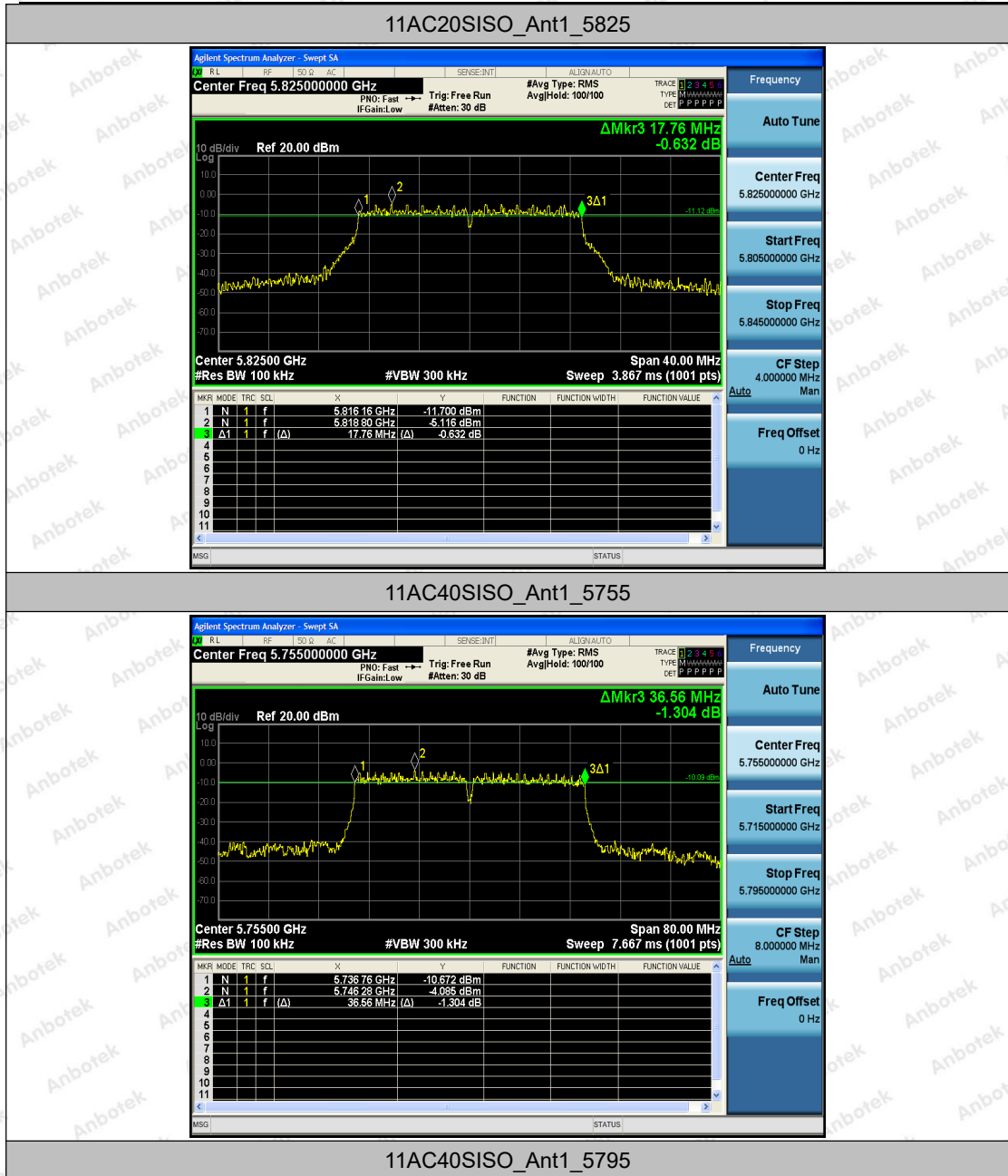


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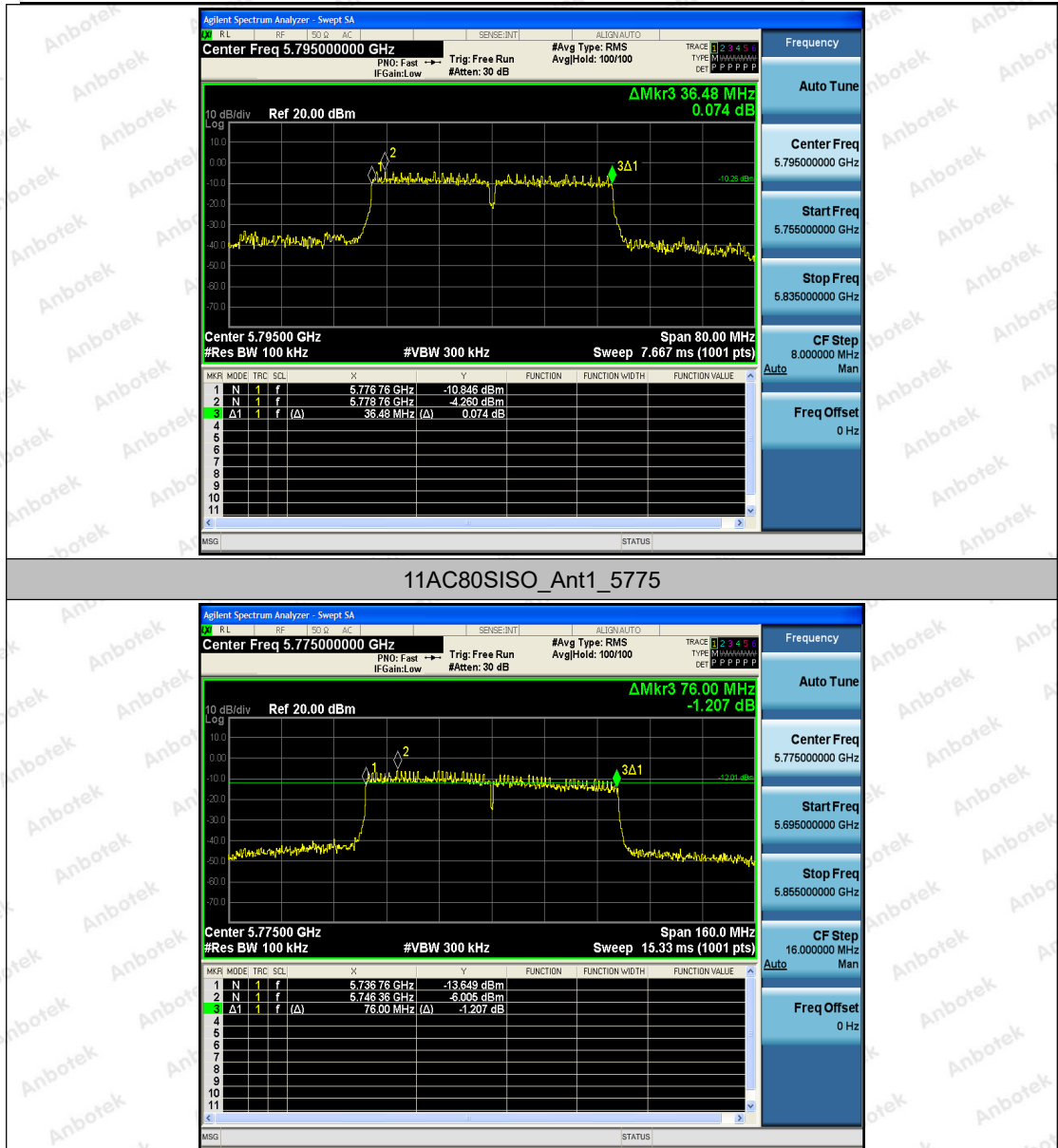


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Appendix B: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	12.41	≤23.98	PASS
		5200	11.37	≤23.98	PASS
		5240	11.47	≤23.98	PASS
		5745	12.73	≤30	PASS
		5785	11.30	≤30	PASS
		5825	15.76	≤30	PASS
11N20SISO	Ant1	5180	12.68	≤23.98	PASS
		5200	11.53	≤23.98	PASS
		5240	14.25	≤23.98	PASS
		5745	13.44	≤30	PASS
		5785	11.95	≤30	PASS
		5825	10.12	≤30	PASS
11N40SISO	Ant1	5190	11.59	≤23.98	PASS
		5230	12.20	≤23.98	PASS
		5755	13.33	≤30	PASS
		5795	11.69	≤30	PASS
11AC20SISO	Ant1	5180	11.03	≤23.98	PASS
		5200	10.32	≤23.98	PASS
		5240	11.26	≤23.98	PASS
		5745	12.10	≤30	PASS
		5785	10.77	≤30	PASS
		5825	12.45	≤30	PASS
11AC40SISO	Ant1	5190	10.29	≤23.98	PASS
		5230	11.65	≤23.98	PASS
		5755	11.23	≤30	PASS
		5795	11.94	≤30	PASS
11AC80SISO	Ant1	5210	11.90	≤23.98	PASS
		5775	11.37	≤30	PASS

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

Appendix C: Maximum power spectral density

Test Result

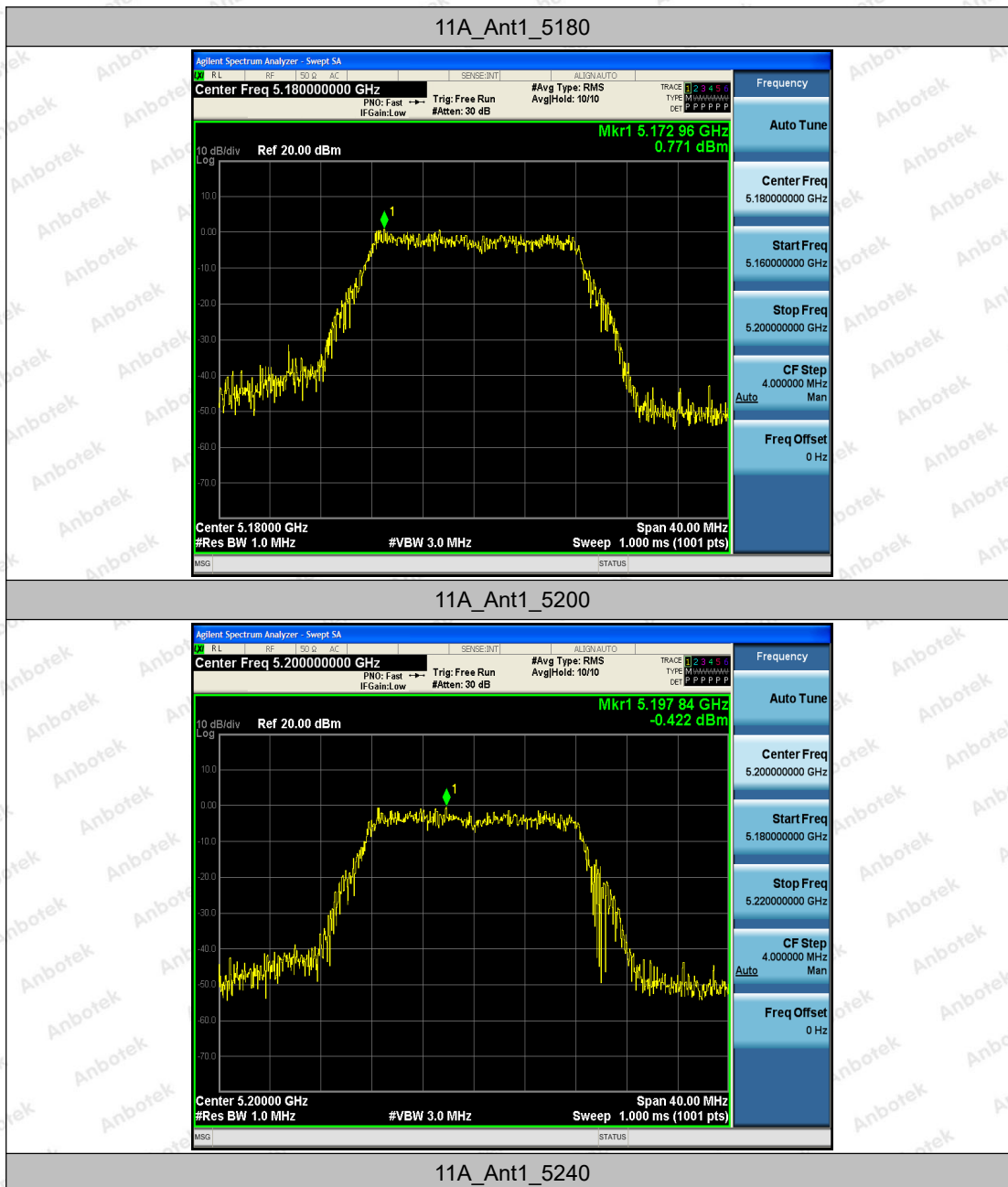
5.2G WIFI

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	0.77	≤11	PASS
		5200	-0.42	≤11	PASS
		5240	-0.13	≤11	PASS
11N20SISO	Ant1	5180	0.33	≤11	PASS
		5200	-1.22	≤11	PASS
		5240	4.94	≤11	PASS
11N40SISO	Ant1	5190	-4.05	≤11	PASS
		5230	-4.5	≤11	PASS
11AC20SISO	Ant1	5180	-1.87	≤11	PASS
		5200	-2.17	≤11	PASS
		5240	-1.13	≤11	PASS
11AC40SISO	Ant1	5190	-3.47	≤11	PASS
		5230	-3.52	≤11	PASS
11AC80SISO	Ant1	5210	-7.68	≤11	PASS

5.8G WIFI

TestMode	Antenna	Channel	Result [dBm/500KHz]	Limit [dBm/500KHz]	Verdict
11A	Ant1	5745	3.49	≤30	PASS
		5785	2.86	≤30	PASS
		5825	-0.19	≤30	PASS
11N20SISO	Ant1	5745	3.98	≤30	PASS
		5785	2.4	≤30	PASS
		5825	1.04	≤30	PASS
11N40SISO	Ant1	5755	1.79	≤30	PASS
		5795	-0.06	≤30	PASS
11AC20SISO	Ant1	5745	3.13	≤30	PASS
		5785	0.65	≤30	PASS
		5825	-1.23	≤30	PASS
11AC40SISO	Ant1	5755	1.44	≤30	PASS
		5795	-0.82	≤30	PASS
11AC80SISO	Ant1	5775	-3.76	≤30	PASS

Test Graphs



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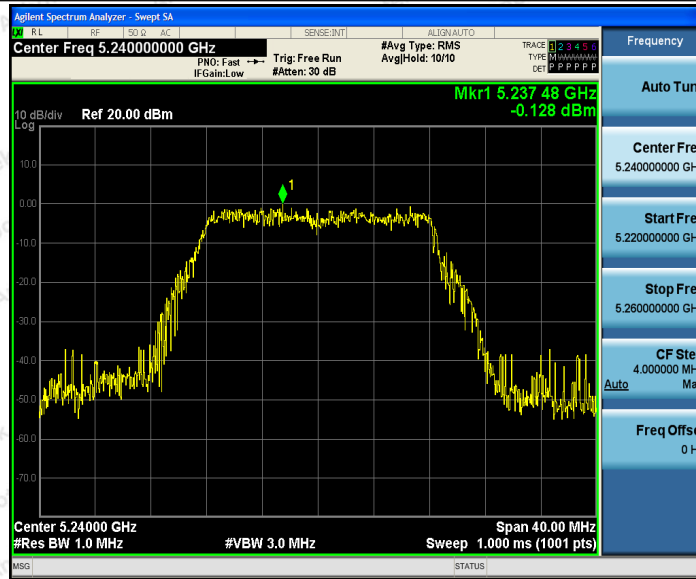
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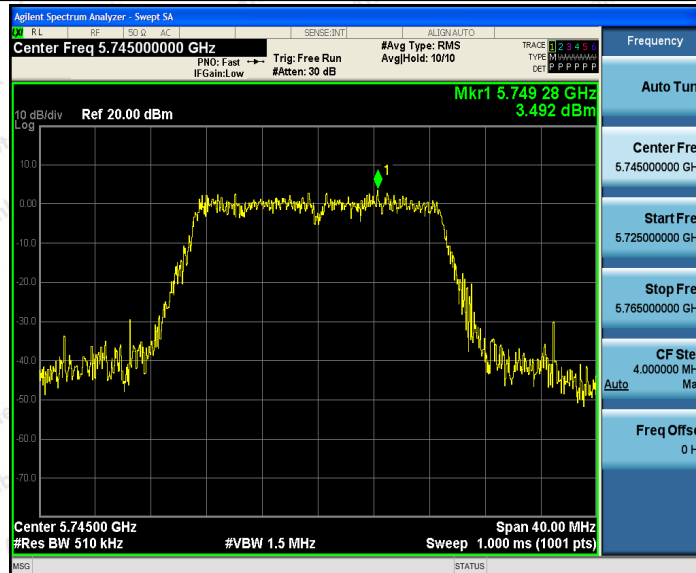
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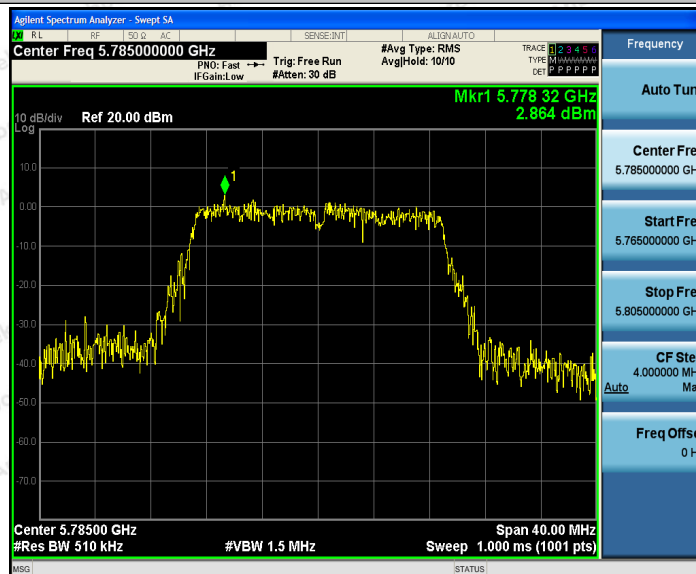
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11A_Ant1_5745



11A_Ant1_5785



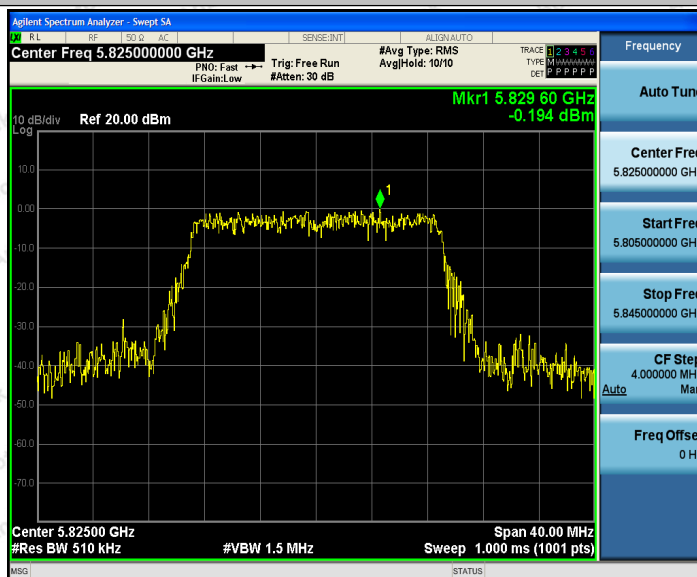
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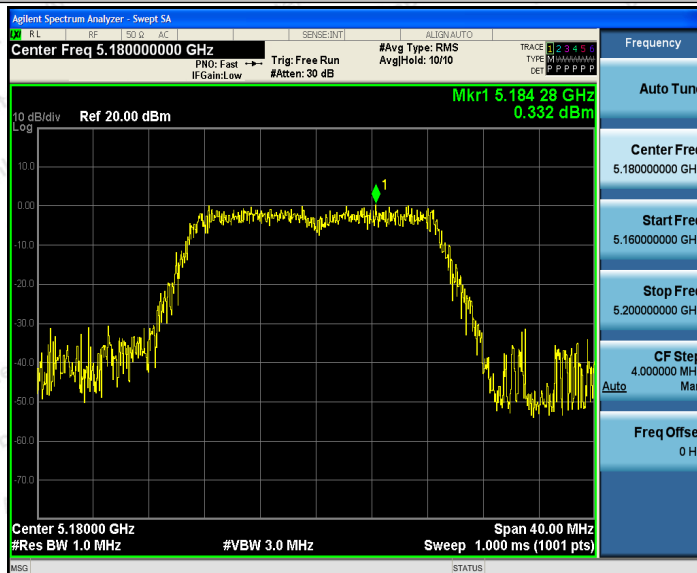
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11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200

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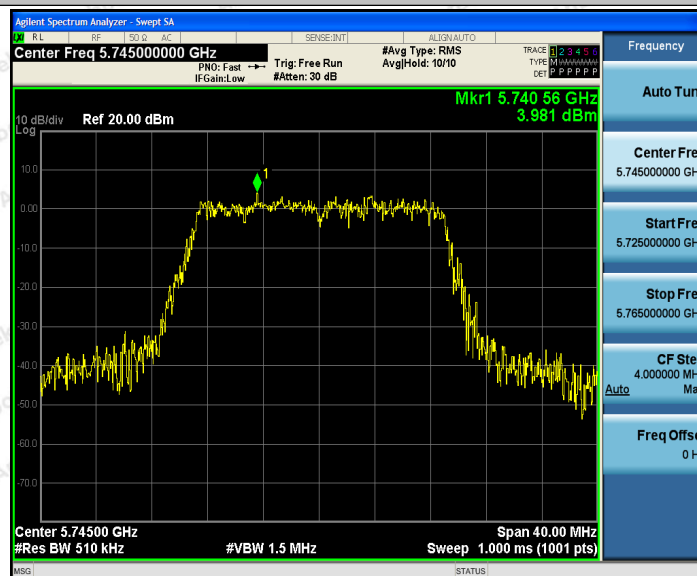
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11N20SISO_Ant1_5240



11N20SISO_Ant1_5745

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