

Appendix Test Data

Report No.:	18220WC10287201	Test Sample No.:	1-2-2
Start Test Date:	2021.12.29	Finish Test Date:	2022.1.10
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

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	20.760	5734.56 0	5755.320	---	PASS
		5785	20.840	5774.48 0	5795.320	---	PASS
		5825	20.760	5814.56 0	5835.320	---	PASS
11N20SI SO	Ant1	5745	21.040	5734.36 0	5755.400	---	PASS
		5785	20.960	5774.36 0	5795.320	---	PASS
		5825	21.040	5814.32 0	5835.360	---	PASS
11N40SI SO	Ant1	5755	39.040	5735.24 0	5774.280	---	PASS
		5795	48.960	5775.40 0	5824.360	---	PASS
11AC20S ISO	Ant1	5745	20.760	5734.16 0	5754.920	---	PASS
		5785	21.040	5774.16 0	5795.200	---	PASS
		5825	21.120	5814.12 0	5835.240	---	PASS
11AC40S ISO	Ant1	5755	39.120	5735.08 0	5774.200	---	PASS
		5795	49.360	5775.24 0	5824.600	---	PASS

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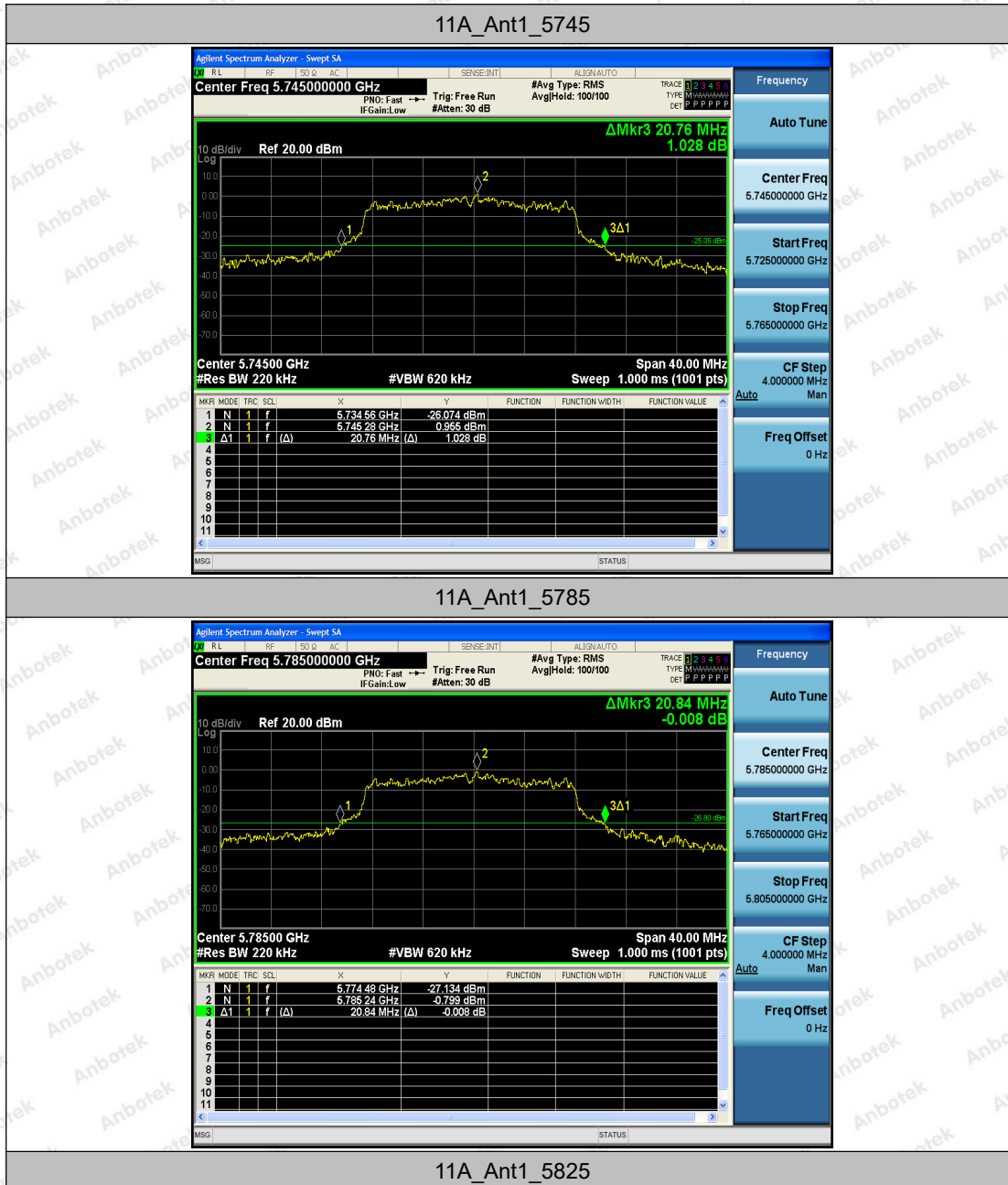
11AC80S ISO	Ant1	5775	79.360	5735.48 0	5814.840	---	PASS
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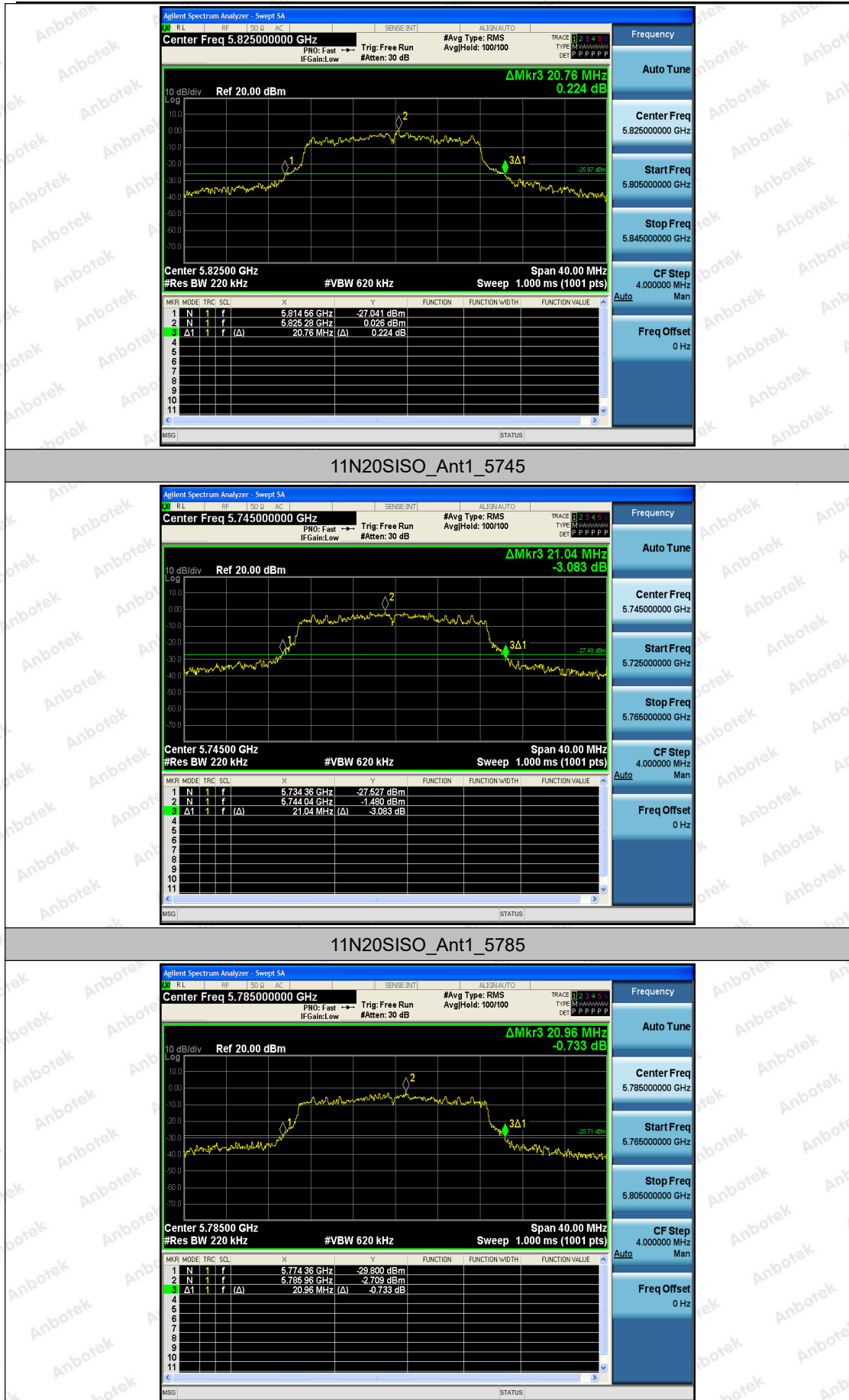
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Test Graphs





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11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795

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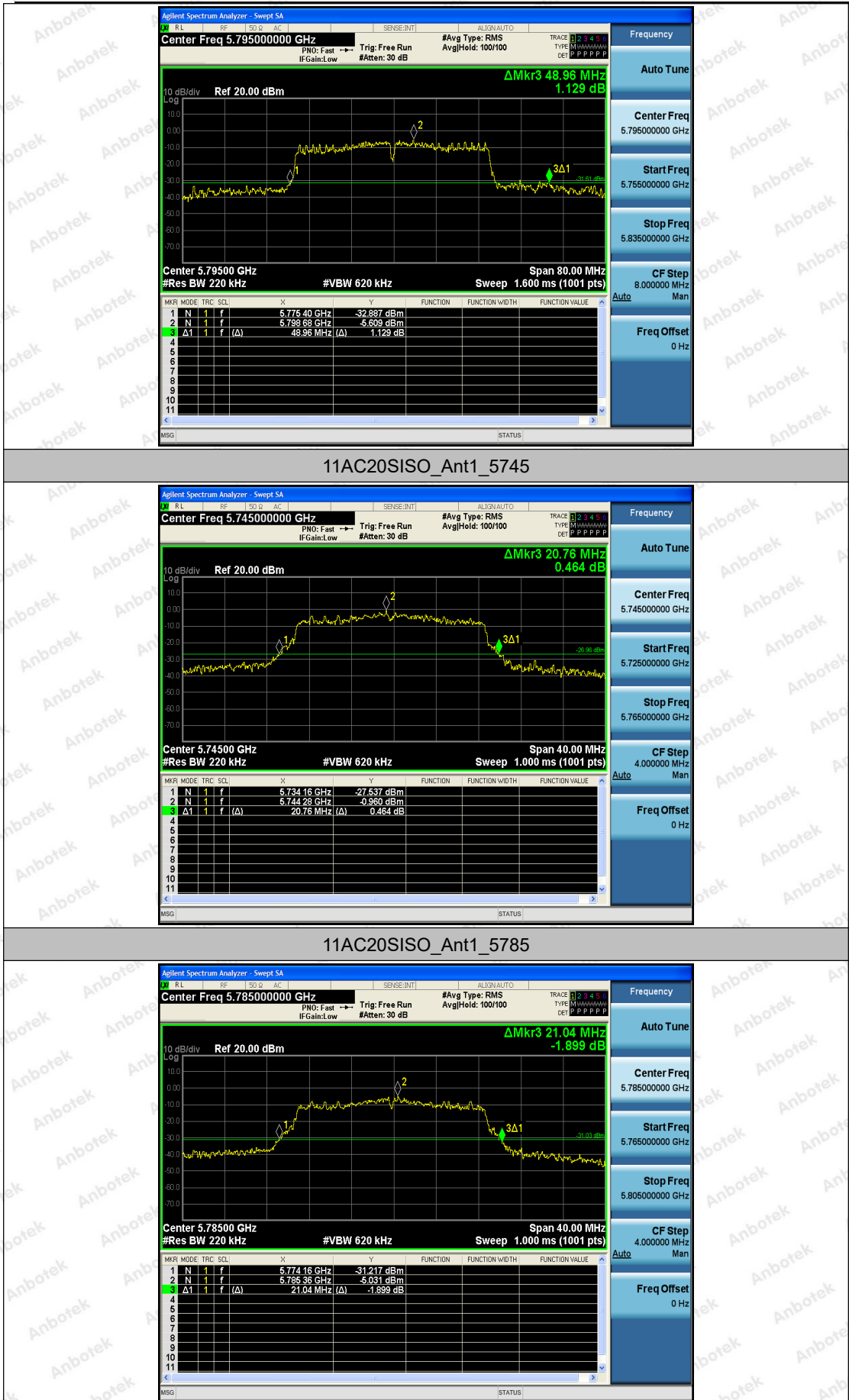
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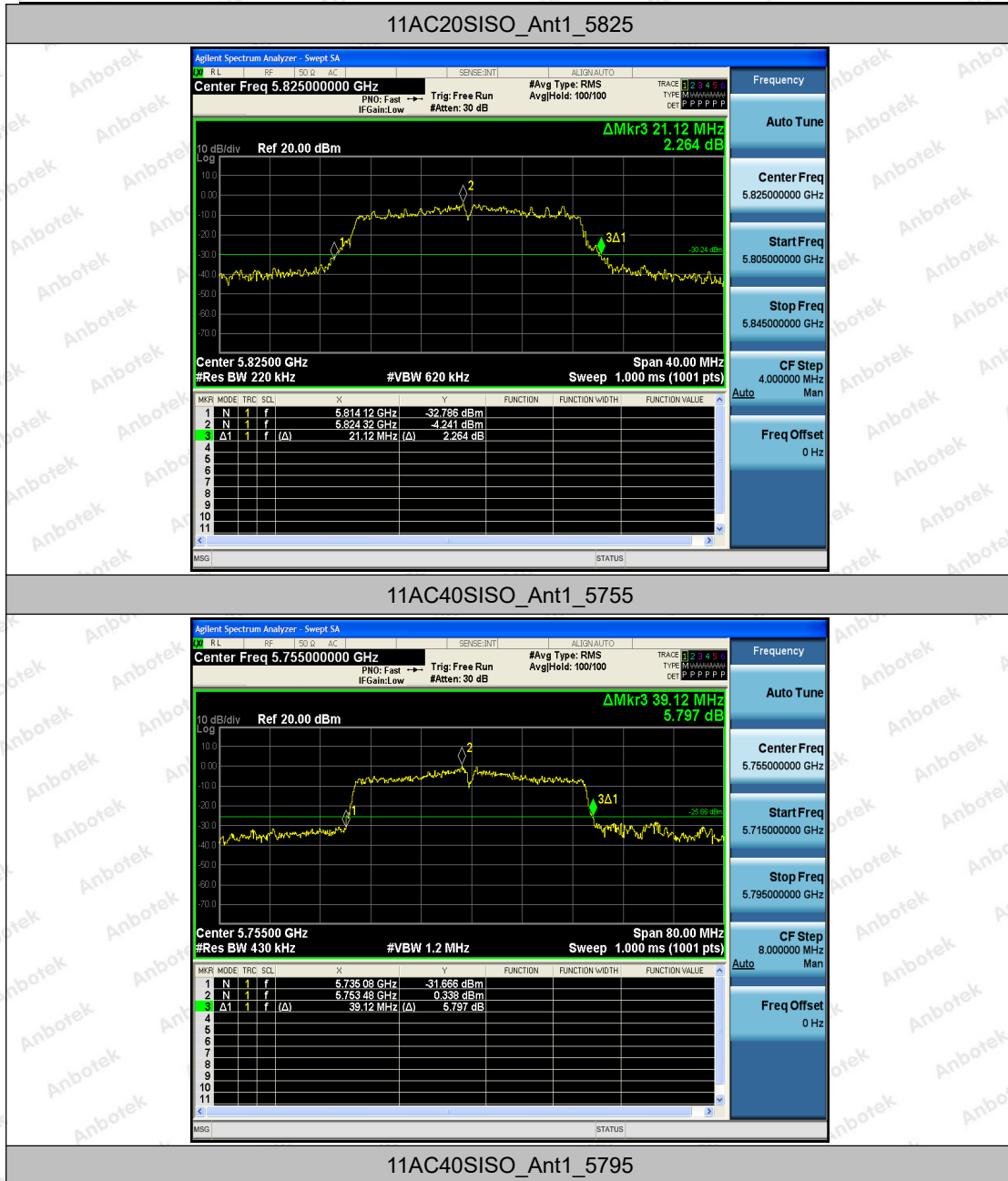


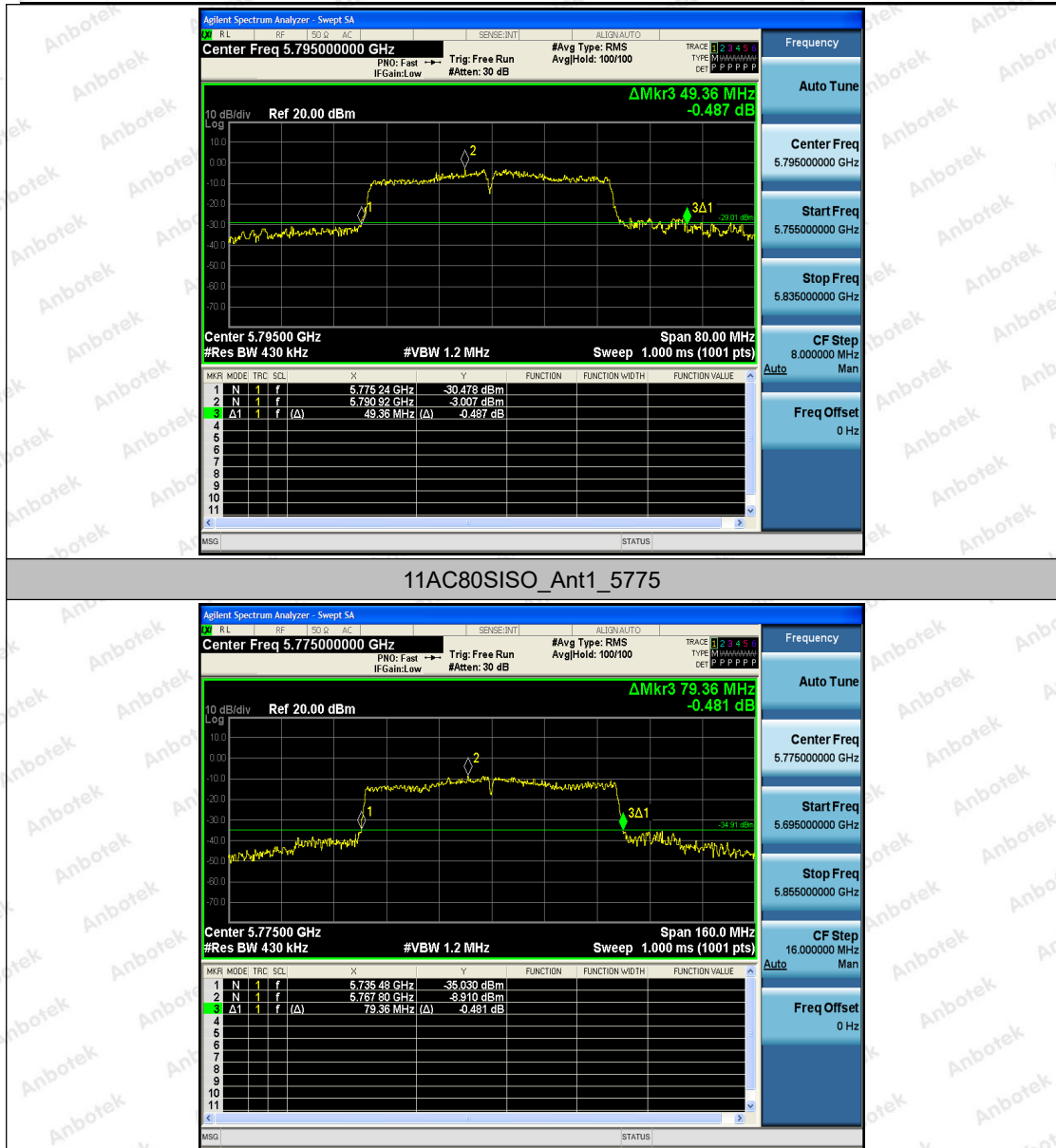
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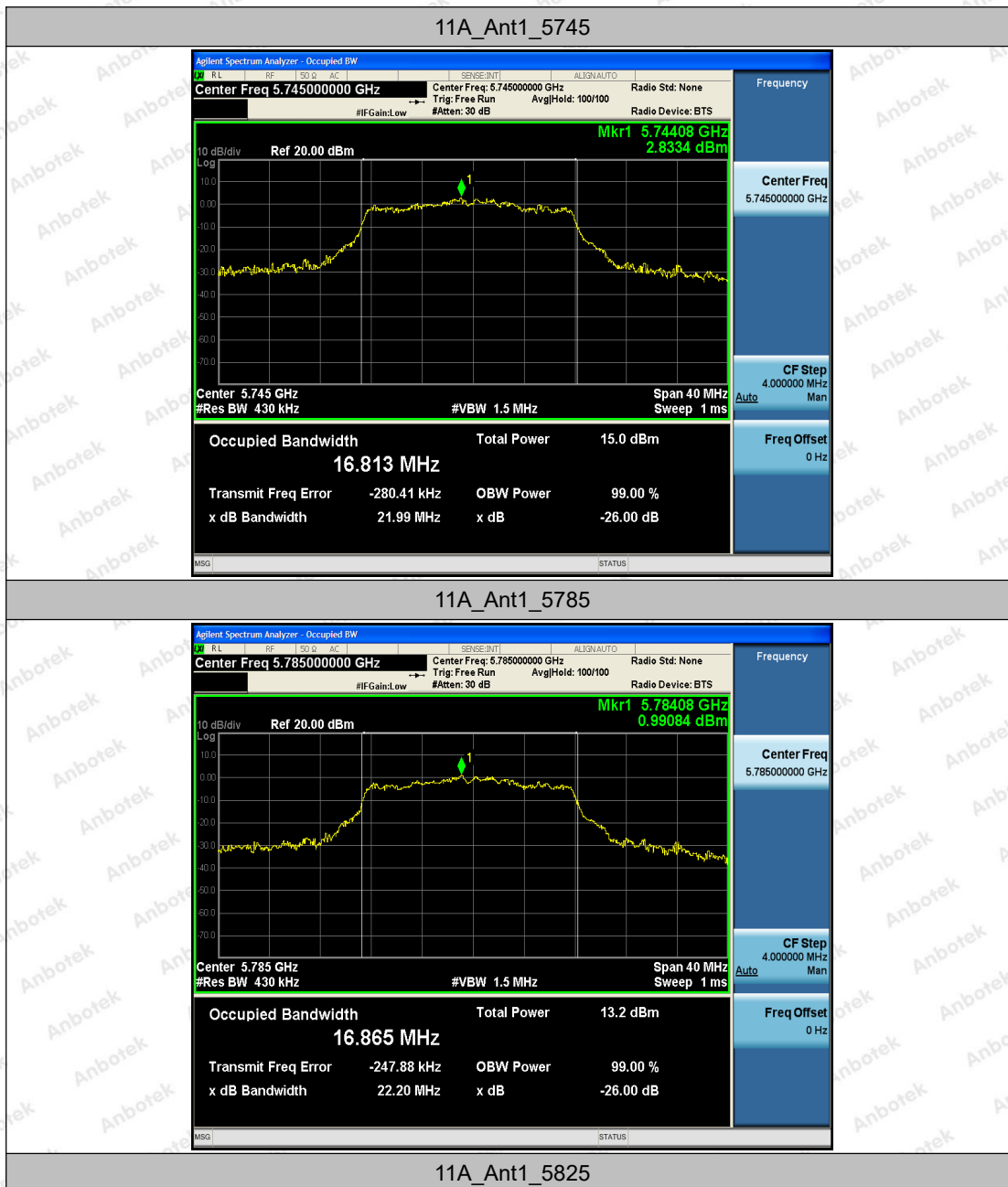
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Appendix A2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.813	5736.31 3	5753.126	---	PASS
		5785	16.865	5776.32 0	5793.185	---	PASS
		5825	16.757	5816.42 0	5833.177	---	PASS
11N20SI SO	Ant1	5745	17.978	5735.70 2	5753.680	---	PASS
		5785	18.049	5775.72 1	5793.770	---	PASS
		5825	17.904	5815.83 8	5833.742	---	PASS
11N40SI SO	Ant1	5755	36.191	5736.60 5	5772.796	---	PASS
		5795	36.395	5776.72 4	5813.119	---	PASS
11AC20S ISO	Ant1	5745	18.142	5735.53 1	5753.673	---	PASS
		5785	18.231	5775.53 7	5793.768	---	PASS
		5825	18.005	5815.71 2	5833.717	---	PASS
11AC40S ISO	Ant1	5755	36.402	5736.55 4	5772.956	---	PASS
		5795	36.724	5776.57 7	5813.301	---	PASS
11AC80S ISO	Ant1	5775	75.617	5737.15 7	5812.774	---	PASS

Test Graphs



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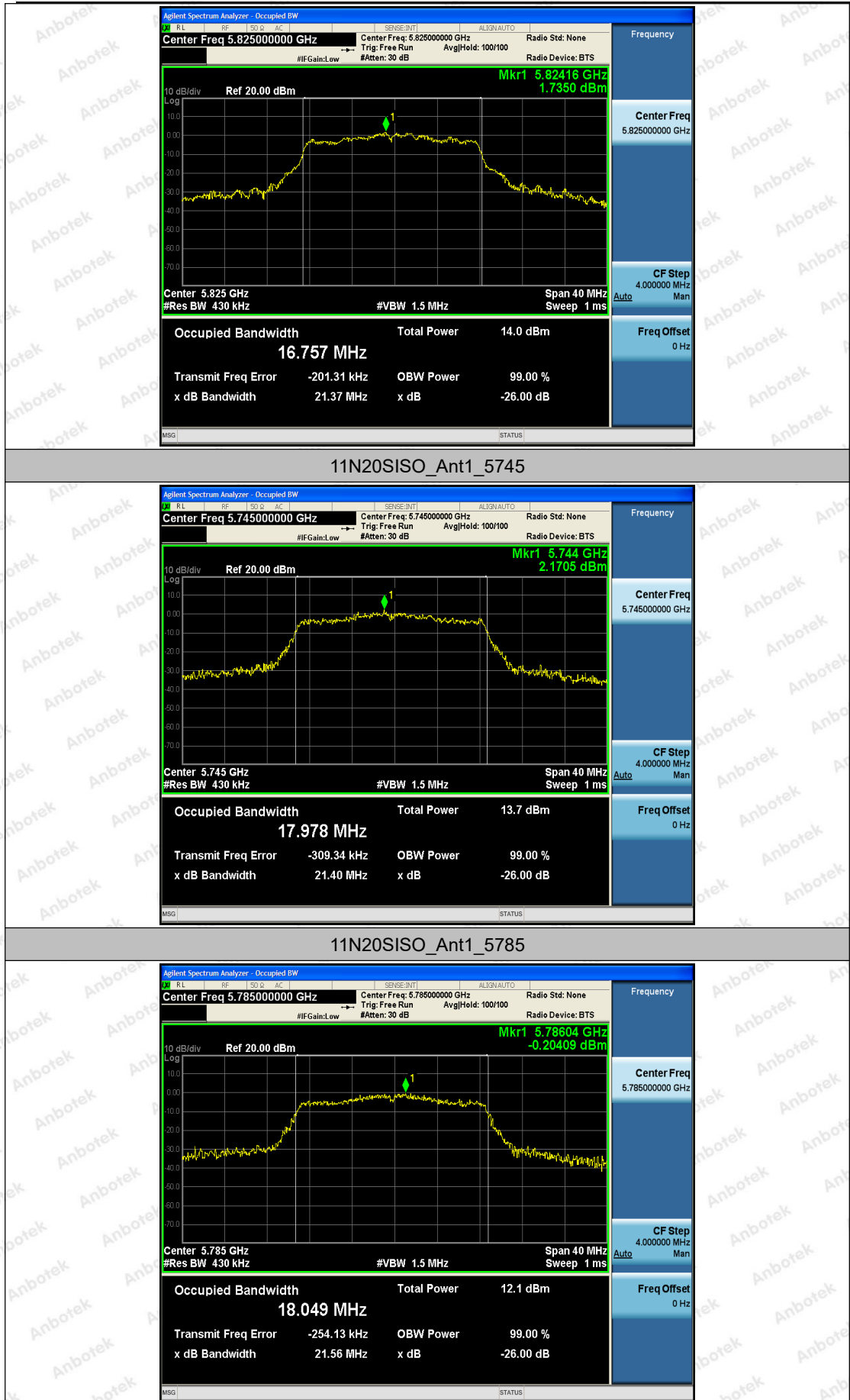
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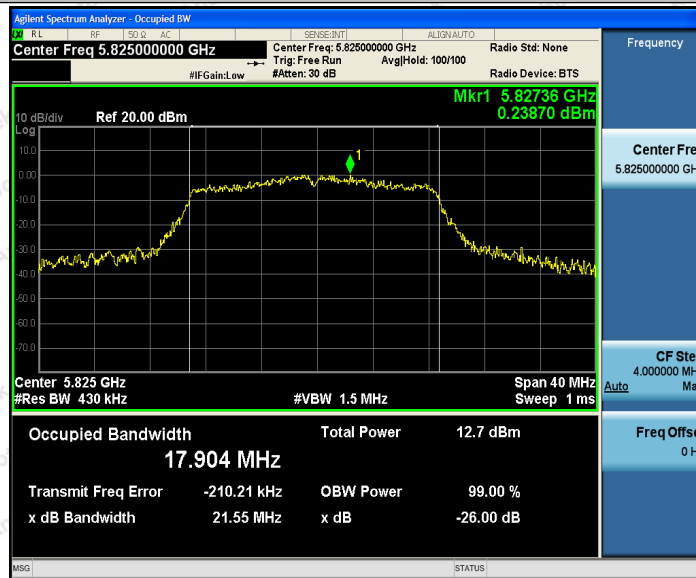
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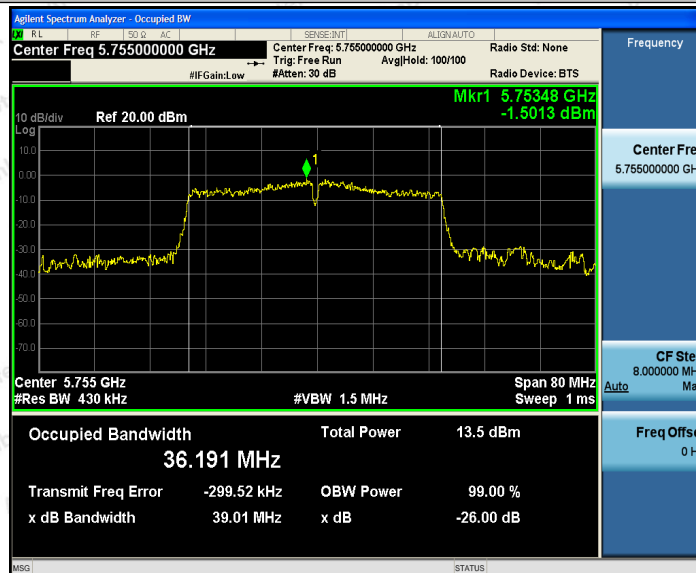
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11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795

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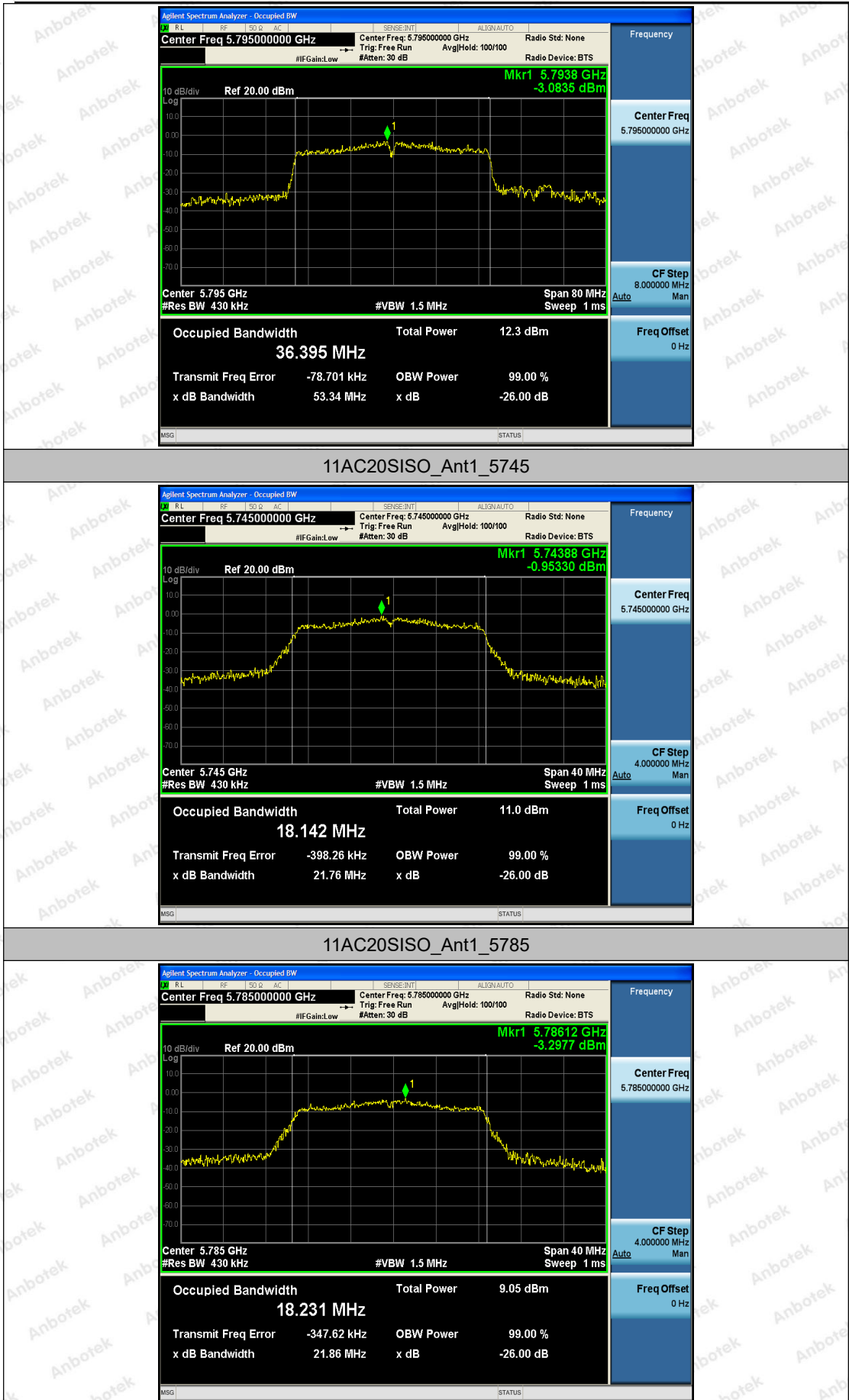
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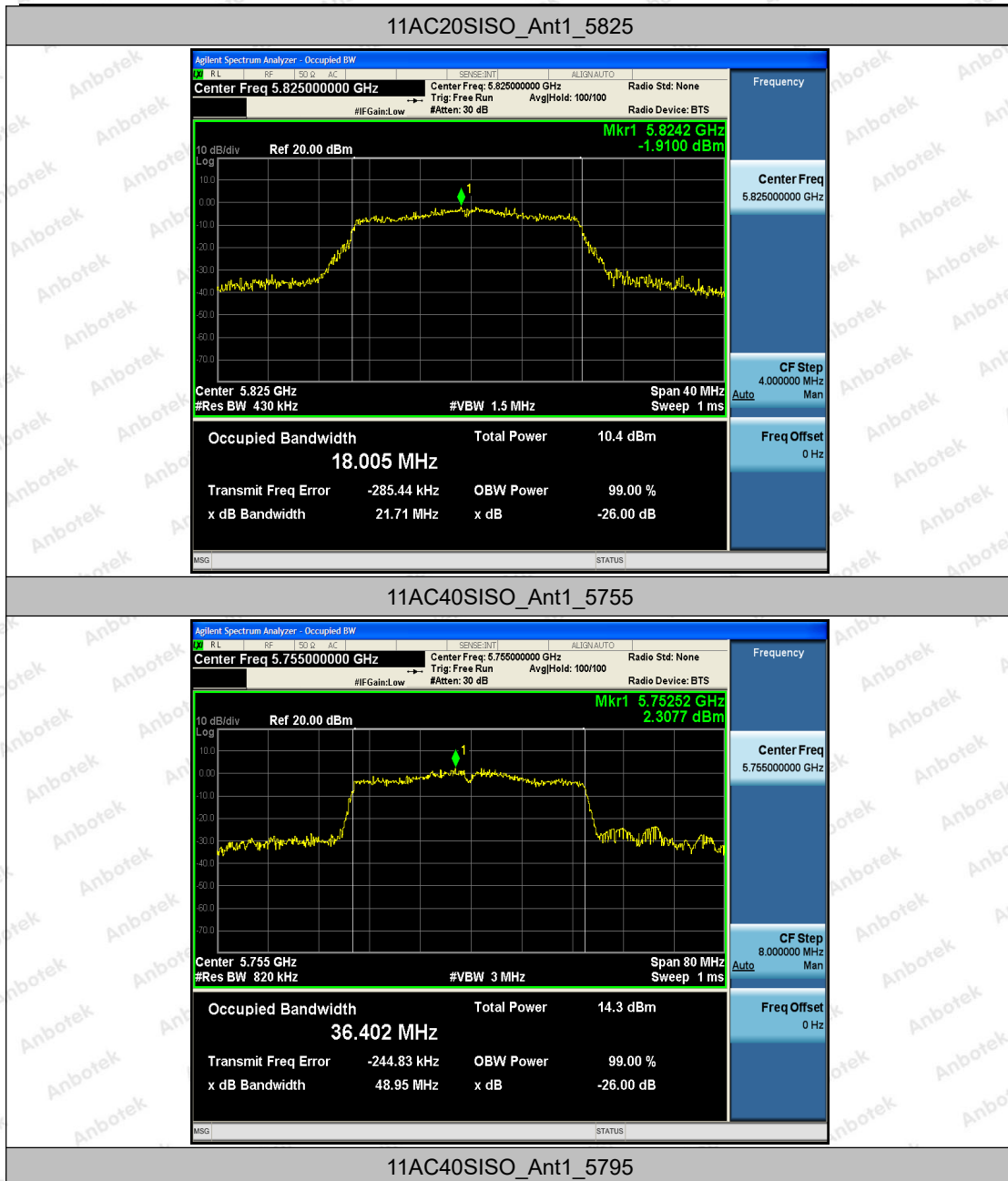


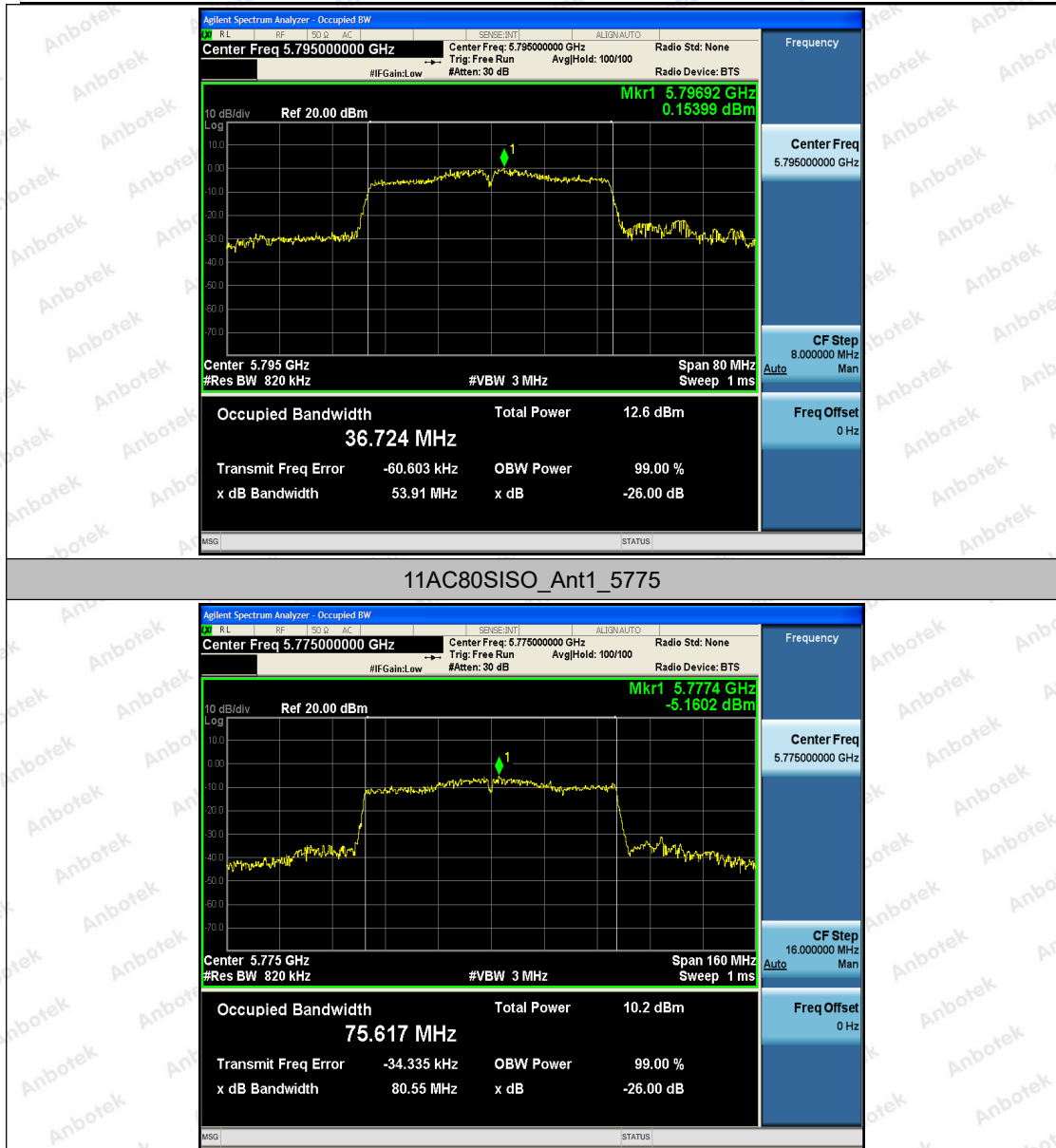
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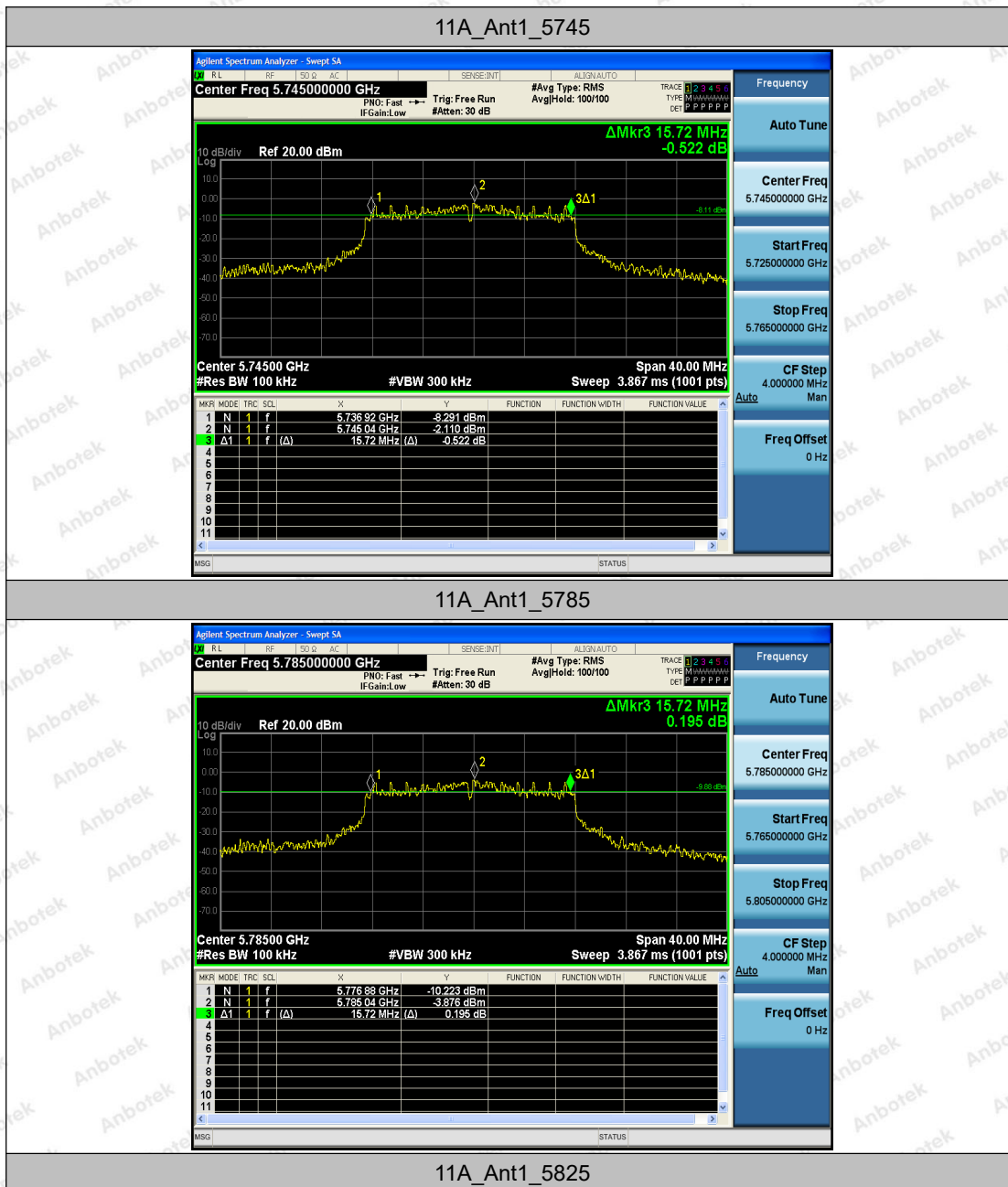
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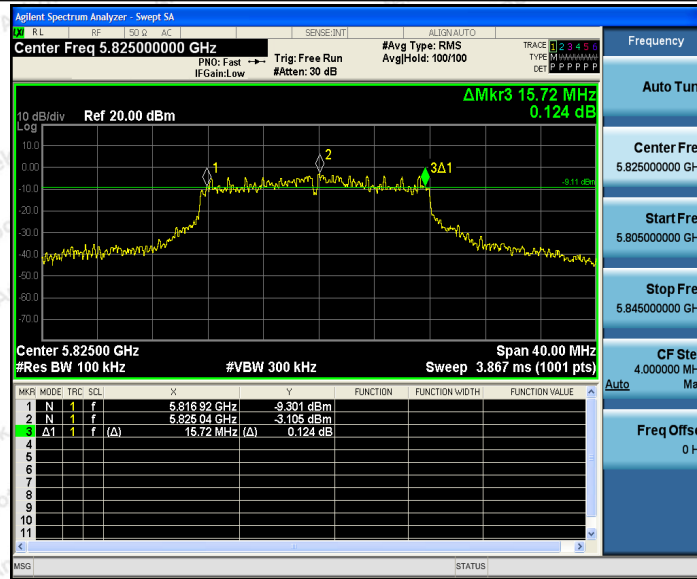
Appendix A3: Min emission bandwidth

Test Result

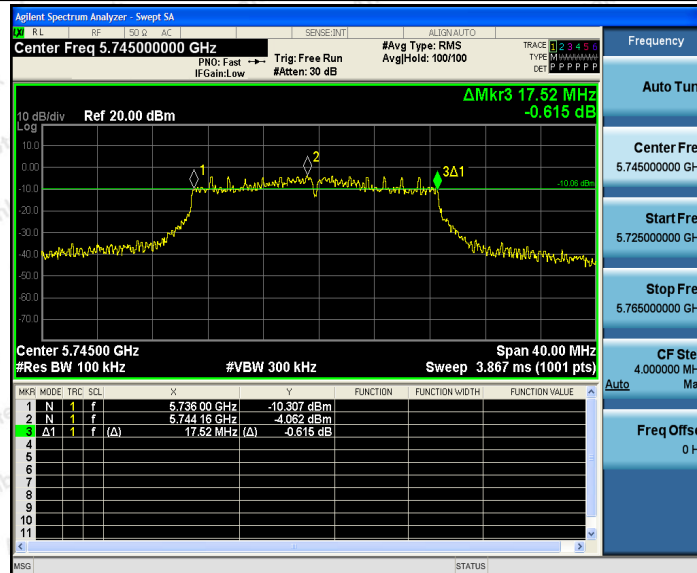
TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.720	5736.920	5752.640	0.5	PASS
		5785	15.720	5776.880	5792.600	0.5	PASS
		5825	15.720	5816.920	5832.640	0.5	PASS
11N20SI SO	Ant1	5745	17.520	5736.000	5753.520	0.5	PASS
		5785	17.680	5775.880	5793.560	0.5	PASS
		5825	17.720	5815.880	5833.600	0.5	PASS
11N40SI SO	Ant1	5755	35.760	5736.840	5772.600	0.5	PASS
		5795	35.920	5777.080	5813.000	0.5	PASS
11AC20S ISO	Ant1	5745	16.960	5735.960	5752.920	0.5	PASS
		5785	17.320	5775.920	5793.240	0.5	PASS
		5825	16.640	5816.200	5832.840	0.5	PASS
11AC40S ISO	Ant1	5755	35.440	5737.000	5772.440	0.5	PASS
		5795	35.920	5777.080	5813.000	0.5	PASS
11AC80S ISO	Ant1	5775	75.360	5737.080	5812.440	0.5	PASS

Test Graphs

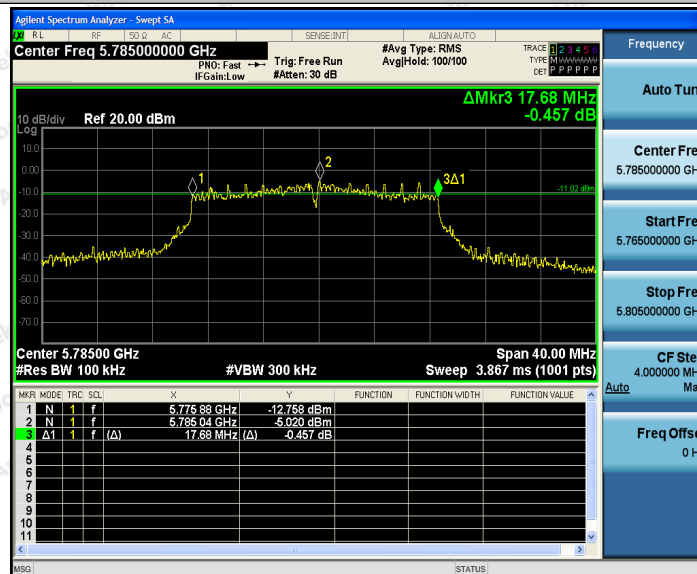




11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



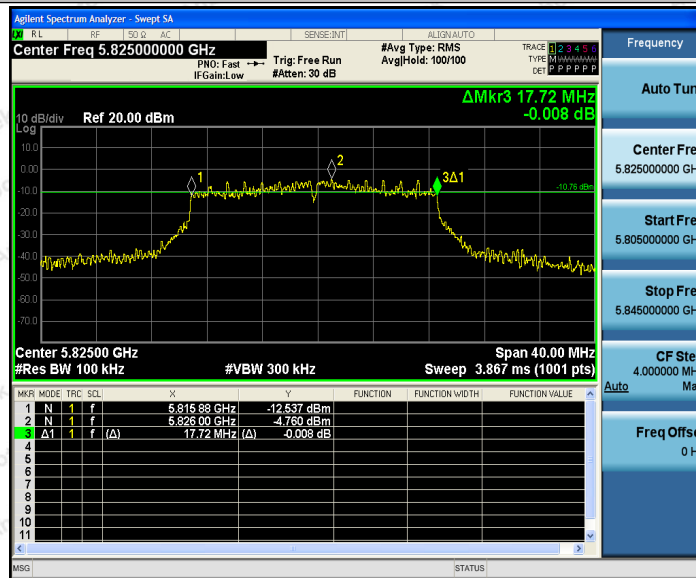
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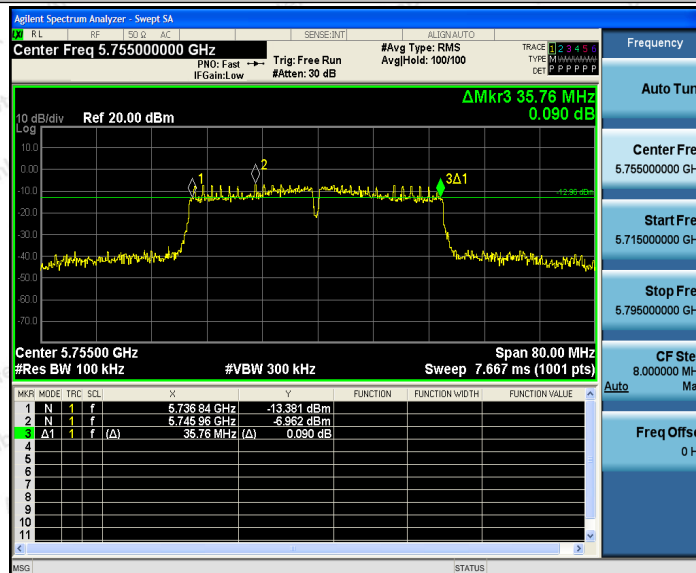
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11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



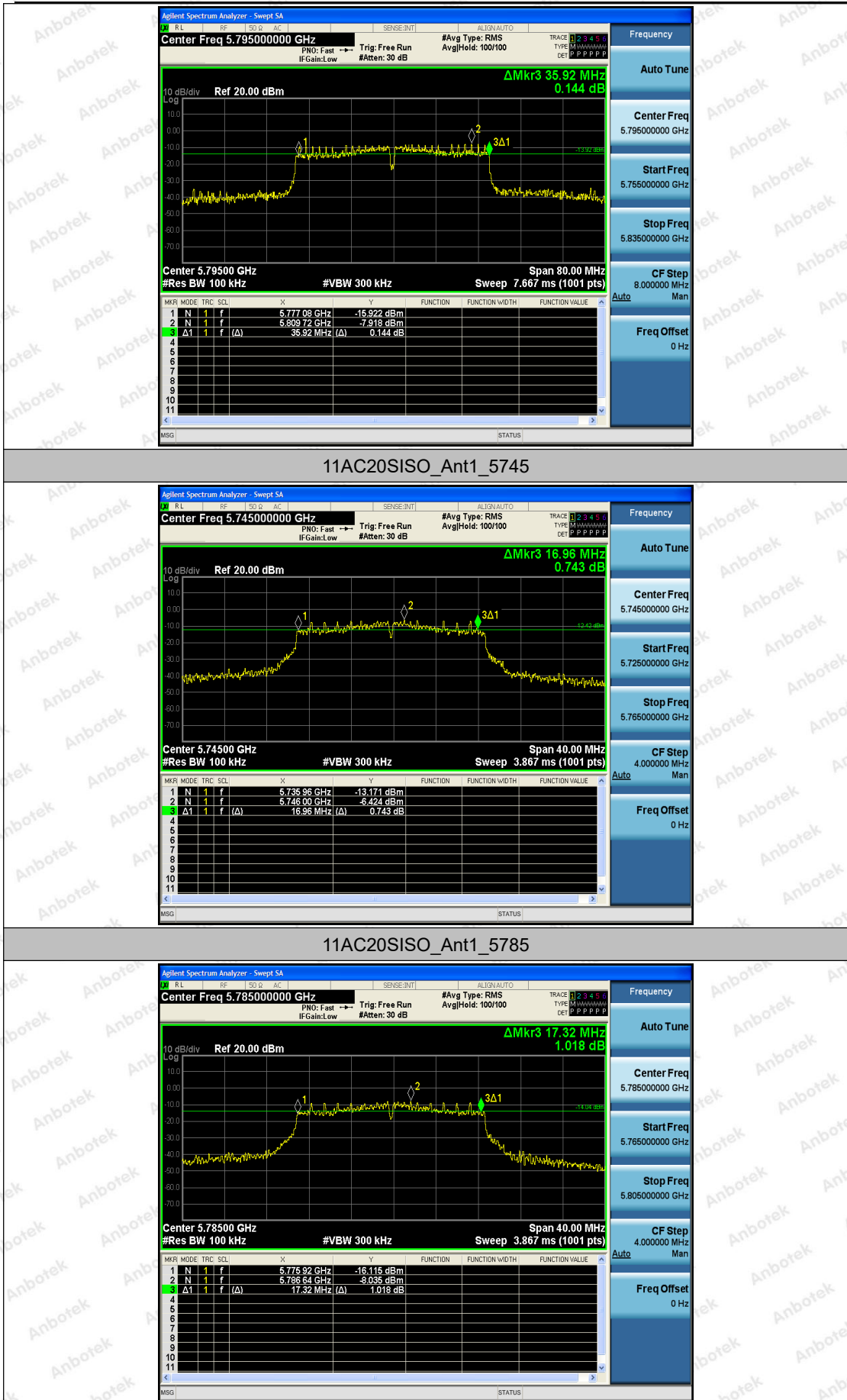
11N40SISO_Ant1_5795

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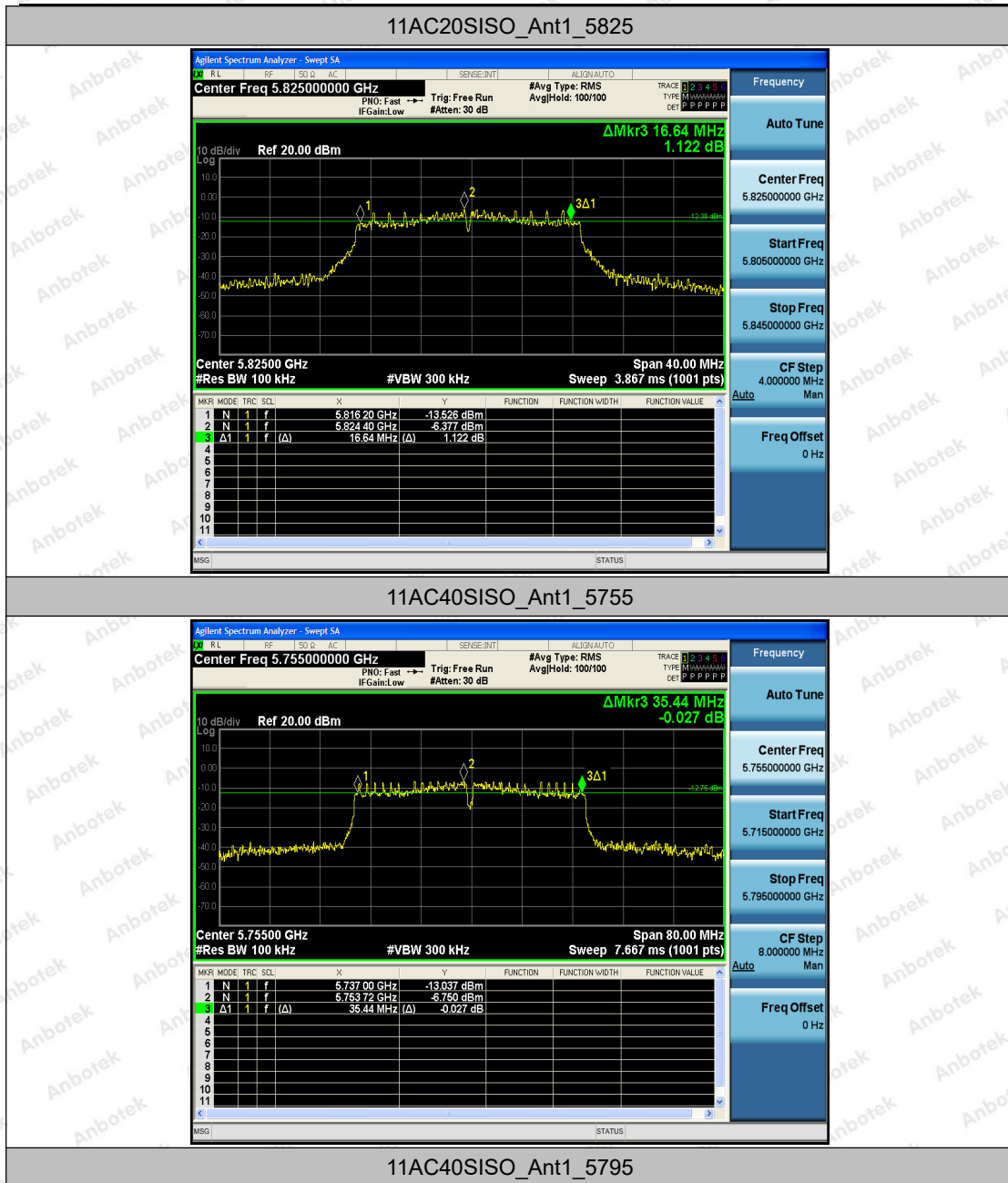


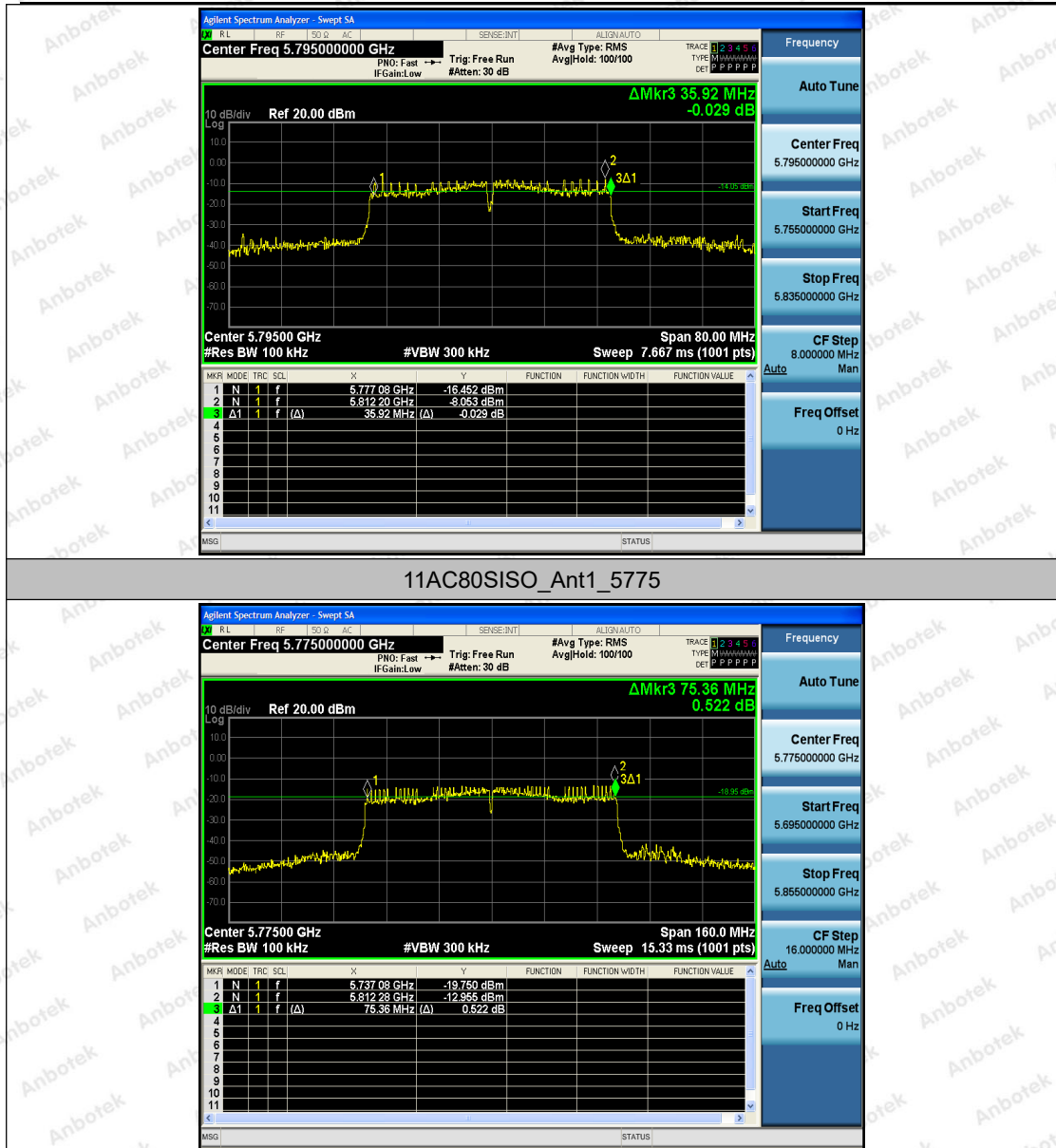
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Appendix B: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5745	14.65	≤30	PASS
		5785	12.90	≤30	PASS
		5825	13.85	≤30	PASS
11N20SISO	Ant1	5745	13.77	≤30	PASS
		5785	11.69	≤30	PASS
		5825	12.47	≤30	PASS
11N40SISO	Ant1	5755	13.59	≤30	PASS
		5795	12.36	≤30	PASS
11AC20SISO	Ant1	5745	13.34	≤30	PASS
		5785	13.50	≤30	PASS
		5825	13.40	≤30	PASS
11AC40SISO	Ant1	5755	14.78	≤30	PASS
		5795	12.18	≤30	PASS
11AC80SISO	Ant1	5775	13.44	≤30	PASS

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

Appendix C: Maximum power spectral density

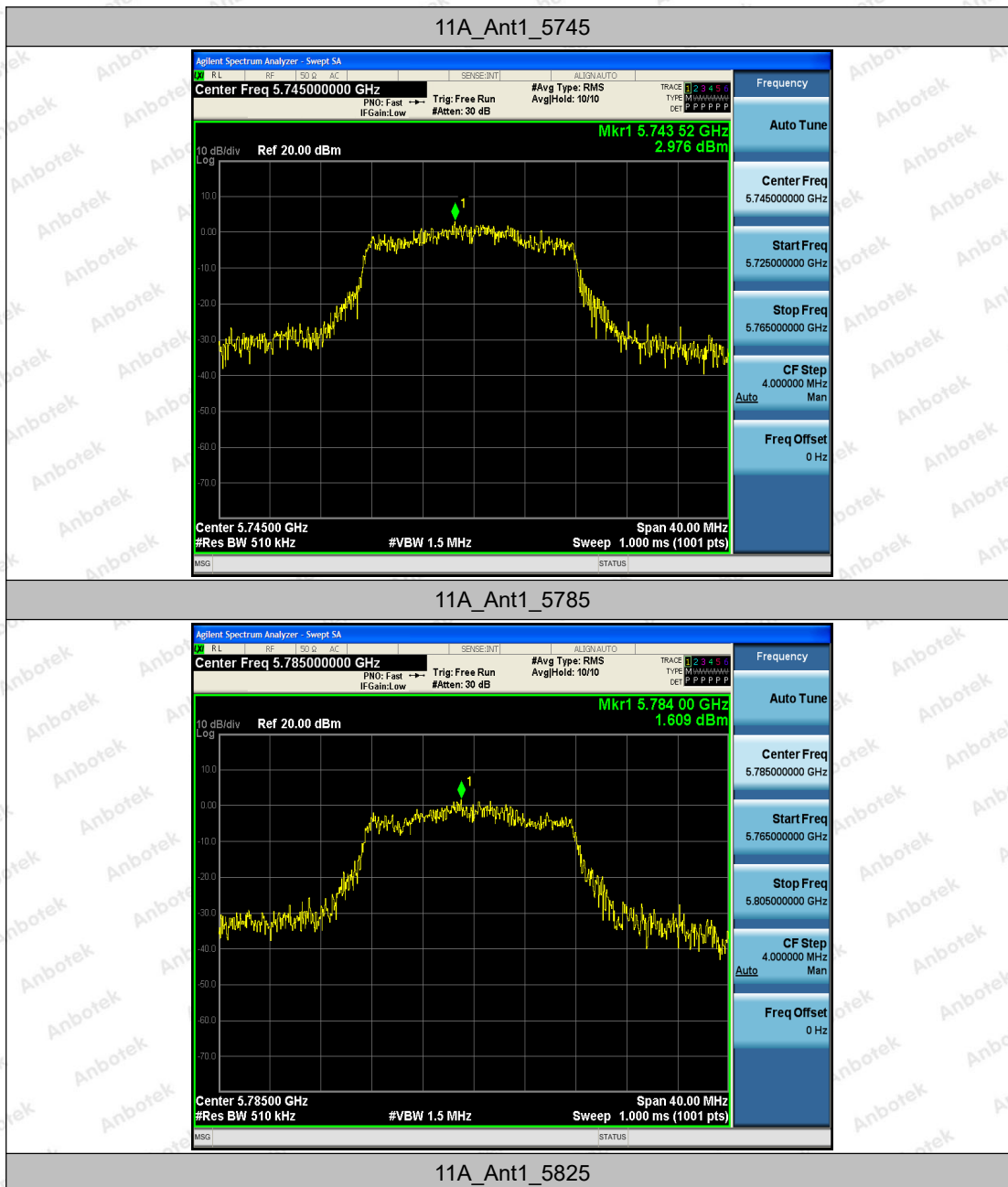
Test Result

TestMode	Antenna	Channel	Result [dBm/500KHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5745	2.98	≤30	PASS
		5785	1.61	≤30	PASS
		5825	1.86	≤30	PASS
11N20SISO	Ant1	5745	1.42	≤30	PASS
		5785	-0.63	≤30	PASS
		5825	0.69	≤30	PASS
11N40SISO	Ant1	5755	-2.03	≤30	PASS
		5795	-2.25	≤30	PASS
11AC20SISO	Ant1	5745	-0.07	≤30	PASS
		5785	-1.1	≤30	PASS
		5825	2.25	≤30	PASS
11AC40SISO	Ant1	5755	-1.63	≤30	PASS
		5795	-3.5	≤30	PASS
11AC80SISO	Ant1	5775	-7.81	≤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.

Test Graphs



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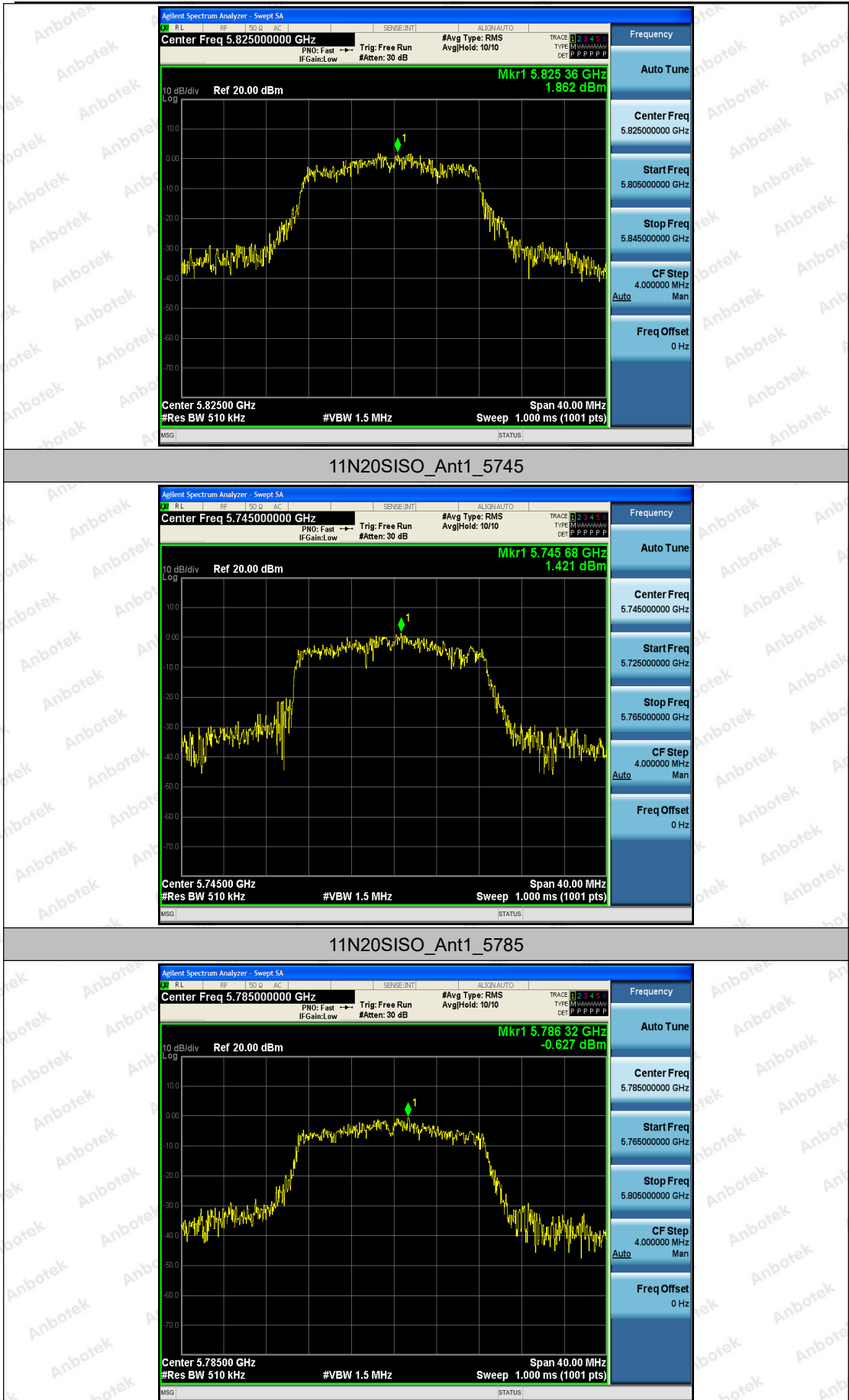
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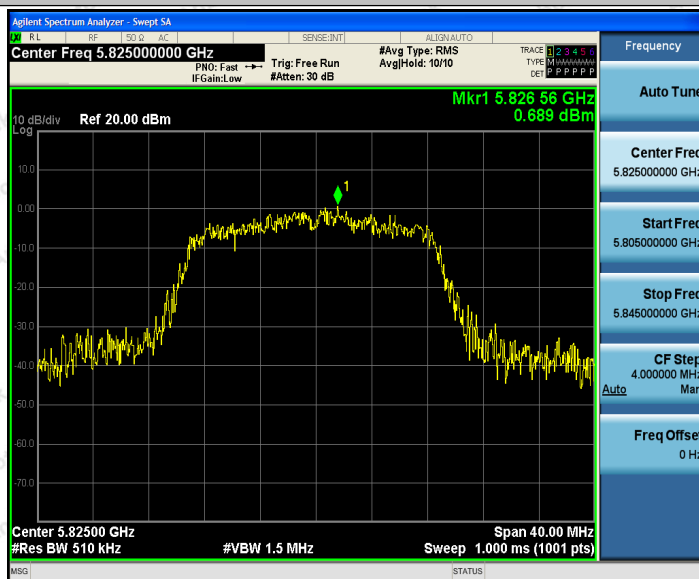
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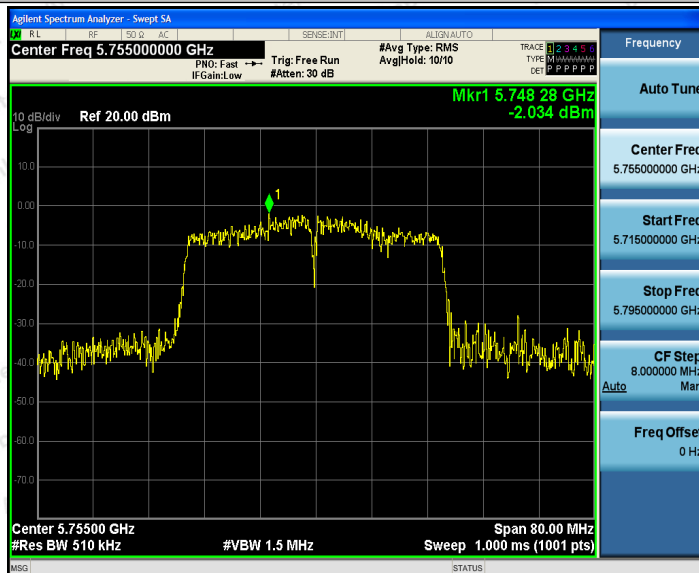
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11N40SISO_Ant1_5755



11N40SISO_Ant1_5795

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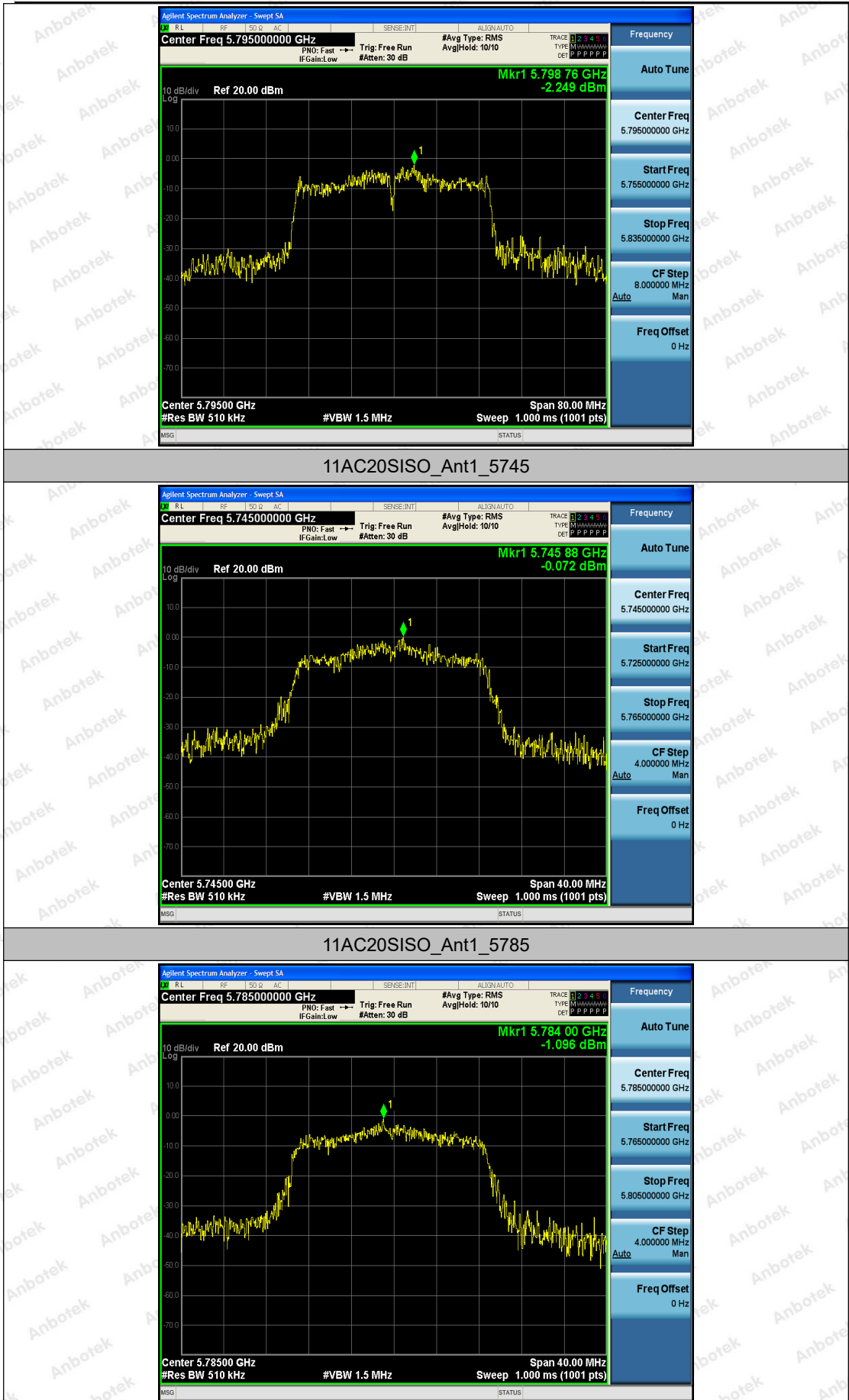
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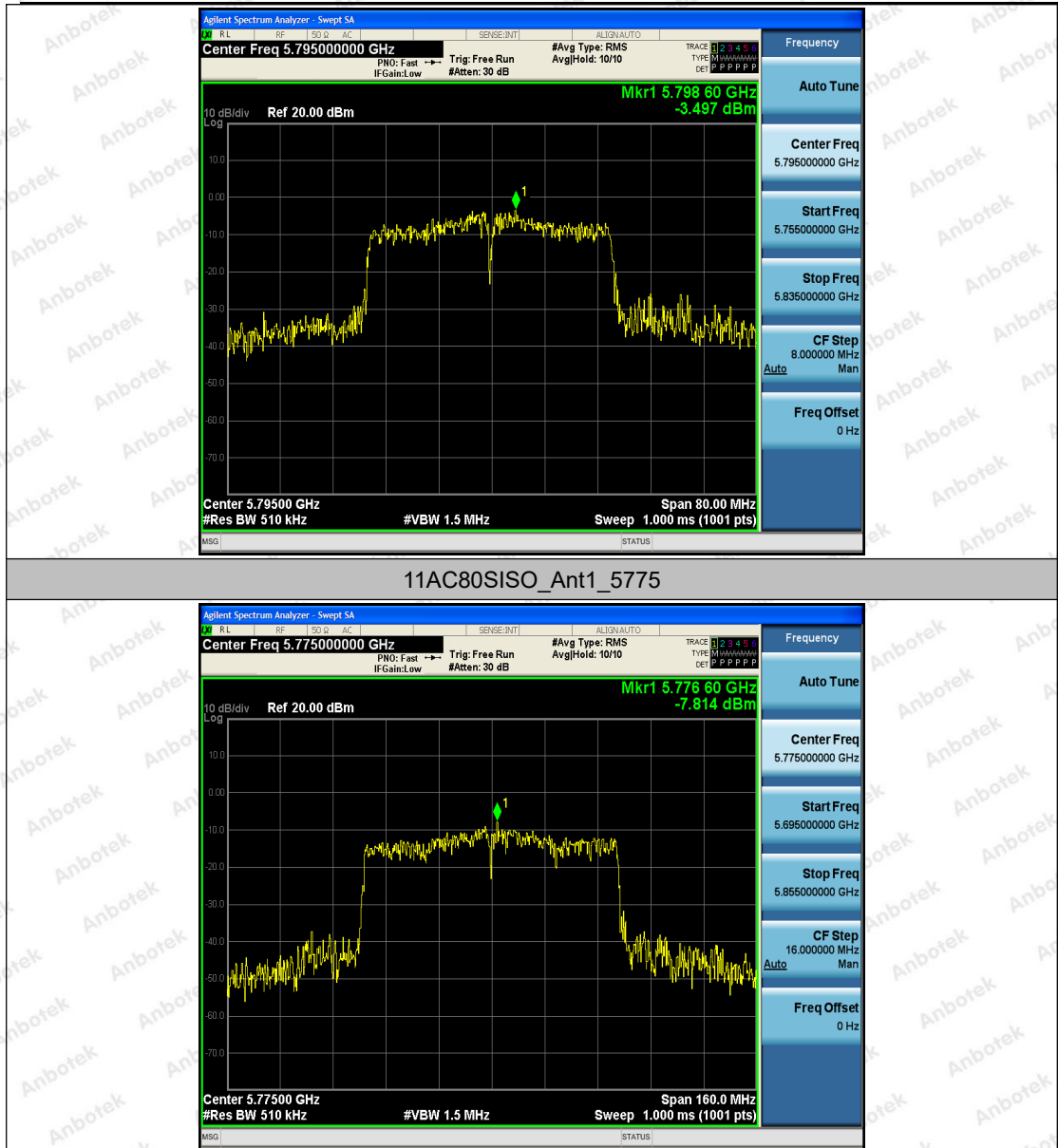
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Appendix D: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-39.21	≤8.15	PASS
				5700~5720	-26.55	≤14.68	PASS
				5720~5725	-25.15	≤26.84	PASS
				5755~5650	-43.19	≤-27	PASS
		High	5825	5850~5855	-31.64	≤19.25	PASS
				5855~5875	-31.94	≤10.01	PASS
				5875~5925	-40	≤-24.89	PASS
				5925~5950	-43.69	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-37.67	≤9.52	PASS
				5700~5720	-27.24	≤15.16	PASS
				5720~5725	-24.96	≤24.37	PASS
				5755~5650	-43.04	≤-27	PASS
		High	5825	5850~5855	-32.53	≤17.20	PASS
				5855~5875	-32.97	≤10.73	PASS
				5875~5925	-42.78	≤-24.78	PASS
				5925~5950	-43.68	≤-27	PASS
11N40SI SO	Ant1	Low	5755	5650~5700	-32.89	≤8.93	PASS
				5700~5720	-28.26	≤15.01	PASS
				5720~5725	-27.5	≤23.35	PASS
				5745~5650	-42.62	≤-27	PASS
		High	5795	5850~5855	-33.1	≤18.13	PASS
				5855~5875	-32.11	≤11.47	PASS
				5875~5925	-36.18	≤-24.08	PASS
				5925~5950	-43.96	≤-27	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-38.91	≤9.64	PASS
				5700~5720	-27.49	≤15.42	PASS
				5720~5725	-26.92	≤26.49	PASS
				5755~5650	-43.16	≤-27	PASS
		High	5825	5850~5855	-28.66	≤18.91	PASS
				5855~5875	-34.2	≤10.48	PASS
				5875~5925	-42.52	≤-26.89	PASS
				5925~5950	-44.12	≤-27	PASS
11AC40S ISO	Ant1	Low	5755	5650~5700	-33.01	≤8.40	PASS
				5700~5720	-26.9	≤15.58	PASS
				5720~5725	-26.08	≤16.24	PASS
				5745~5650	-43.63	≤-27	PASS

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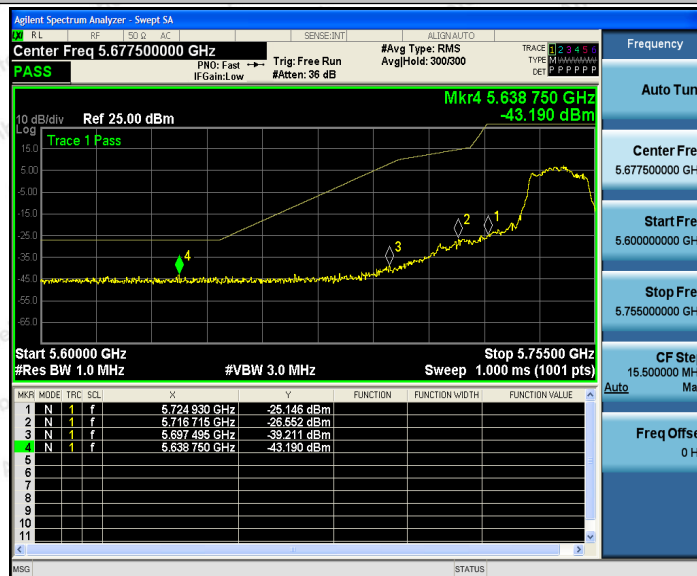
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11AC80S ISO	Ant1	High	5795	5850~5855	-32.52	≤17.80	PASS
				5855~5875	-32.4	≤11.55	PASS
				5875~5925	-35.23	≤-24.29	PASS
				5925~5950	-43.5	≤-27	PASS
		Low	5775	5650~5700	-37.27	≤7.67	PASS
				5700~5720	-32.78	≤15.36	PASS
				5720~5725	-32.68	≤19.64	PASS
				5765~5650	-42.64	≤-27	PASS
		High	5775	5850~5855	-37.76	≤22.10	PASS
				5855~5875	-37.59	≤14.11	PASS
				5875~5925	-39.39	≤-26.97	PASS
				5925~5950	-42.57	≤-27	PASS

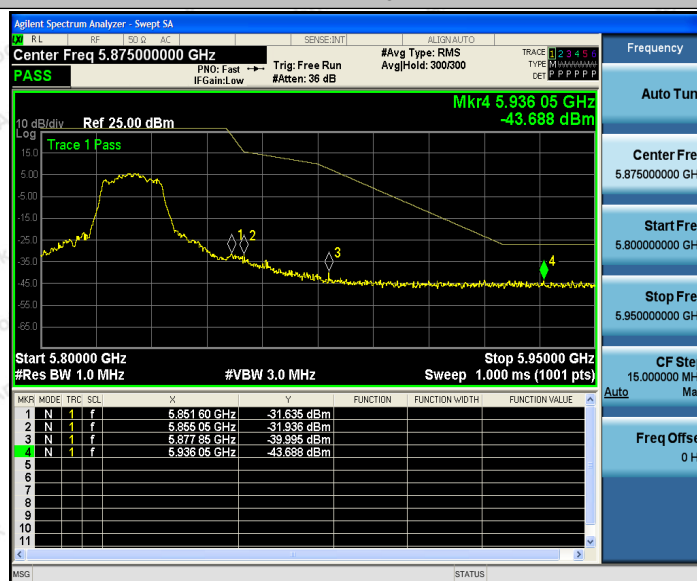
Test Graphs

Band edge measurements

11A_Ant1_Low_5745



11A_Ant1_High_5825



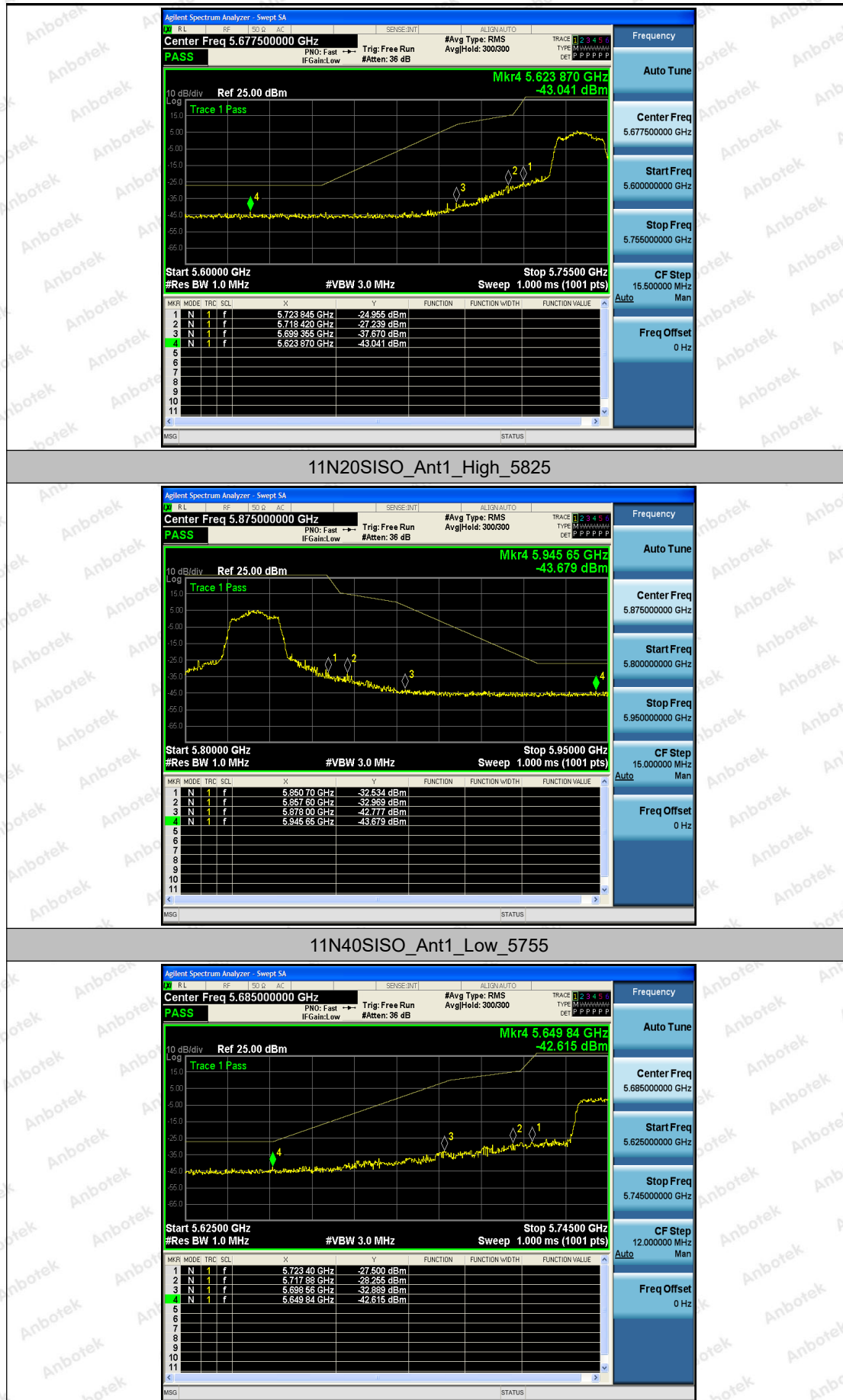
11N20SISO_Ant1_Low_5745

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11N40SISO_Ant1_High_5795



11AC20SISO_Ant1_Low_5745



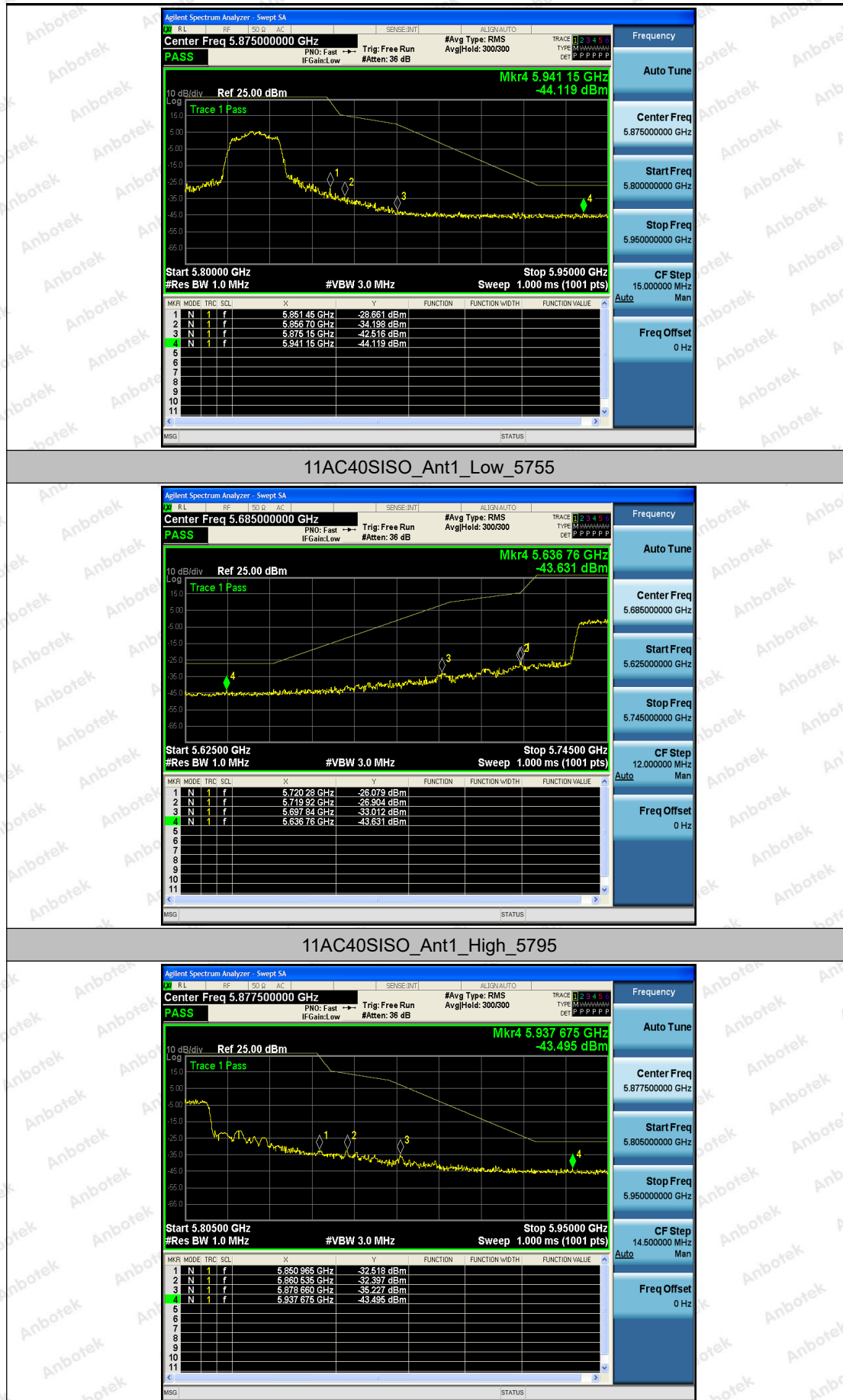
11AC20SISO_Ant1_High_5825

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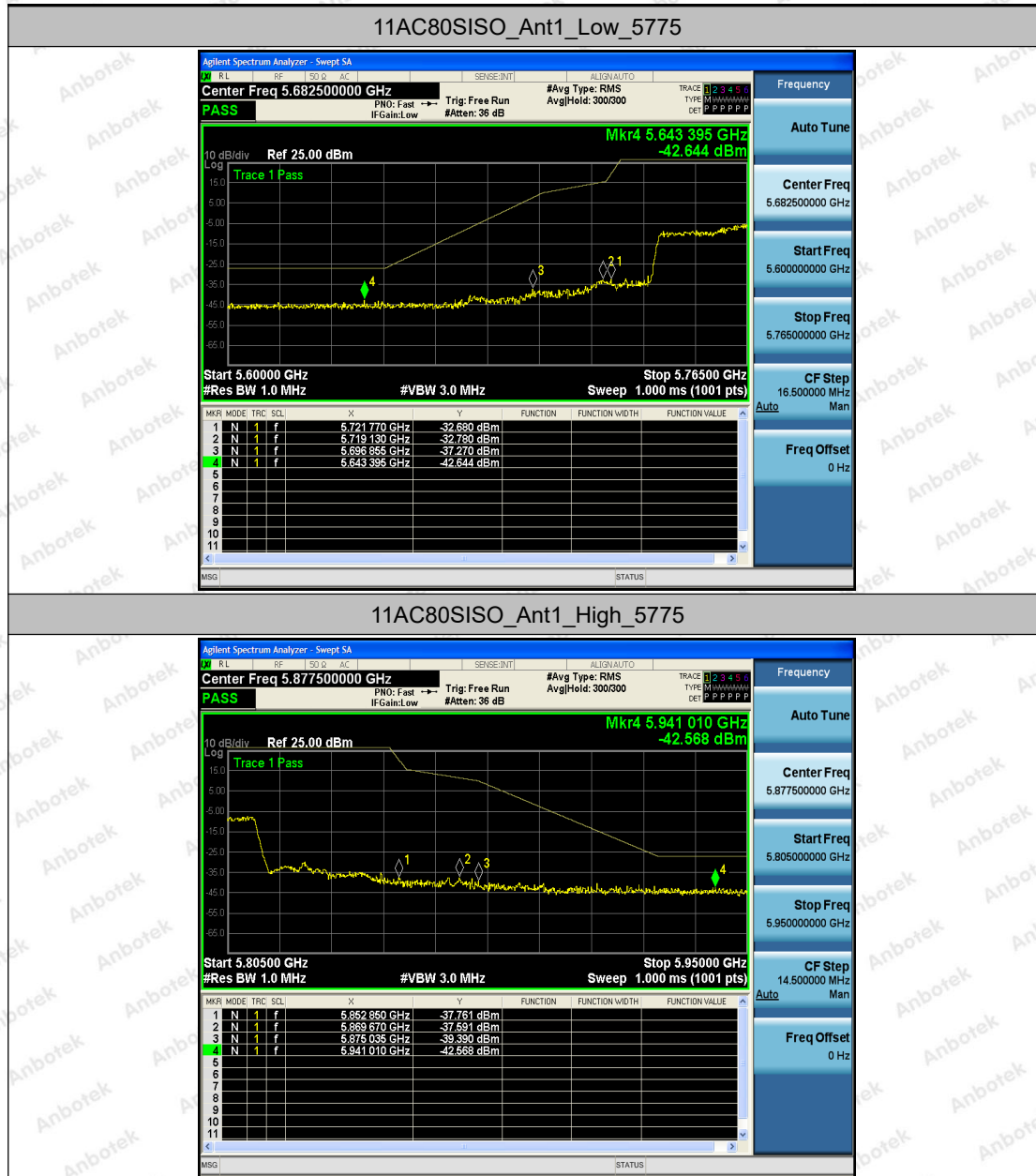


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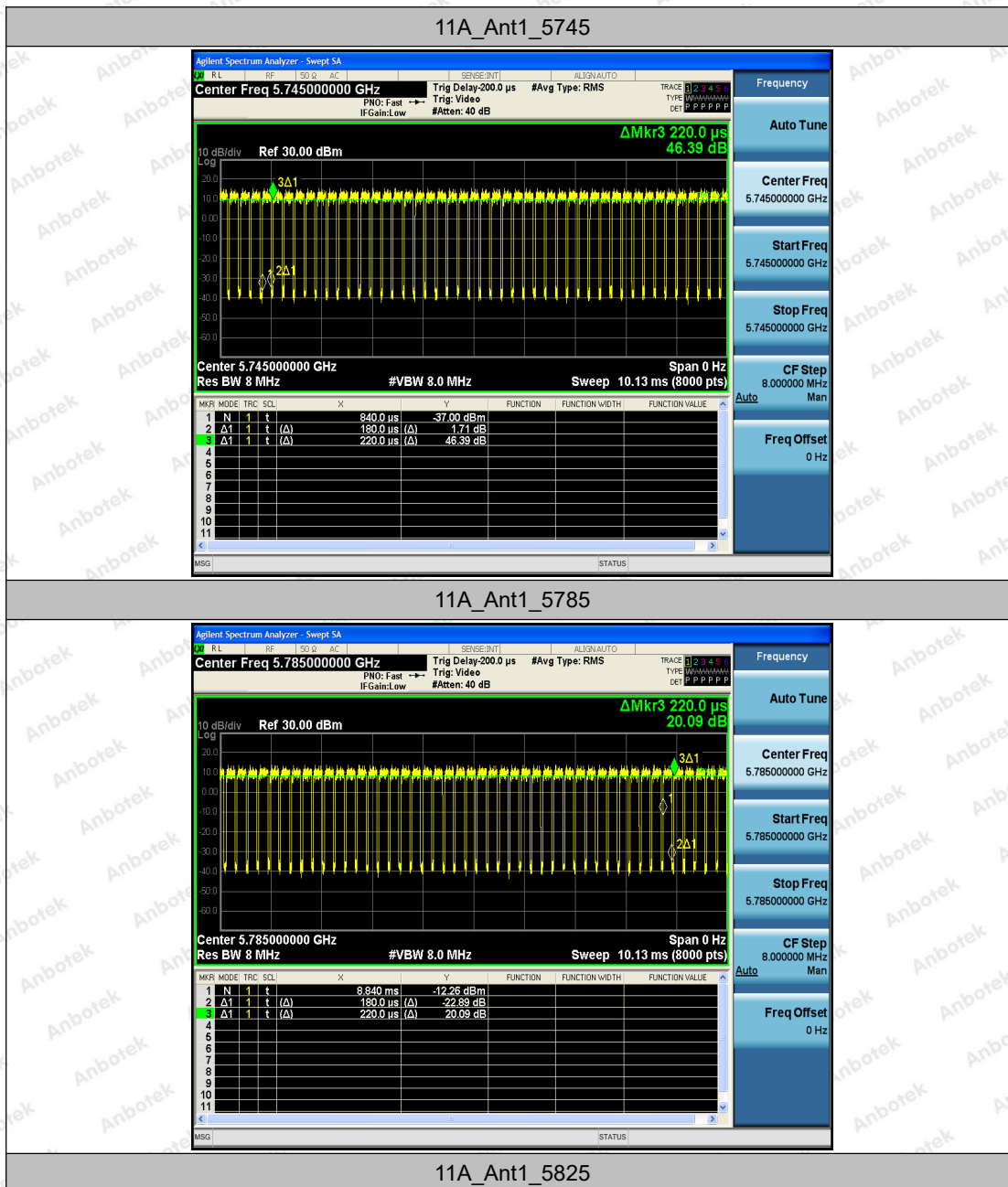
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Appendix H: Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11A	Ant1	5745	0.18	0.22	81.82	---	PASS
		5785	0.18	0.22	81.82	---	PASS
		5825	0.17	0.22	77.27	---	PASS
11N20SISO	Ant1	5745	0.16	0.21	76.19	---	PASS
		5785	0.16	0.20	80.00	---	PASS
		5825	0.17	0.21	80.95	---	PASS
11N40SISO	Ant1	5755	0.10	0.14	71.43	---	PASS
		5795	0.10	0.14	71.43	---	PASS
11AC20SISO	Ant1	5745	0.17	0.21	80.95	---	PASS
		5785	0.17	0.21	80.95	---	PASS
		5825	0.16	0.20	80.00	---	PASS
11AC40SISO	Ant1	5755	0.10	0.14	71.43	---	PASS
		5795	0.10	0.14	71.43	---	PASS
11AC80SISO	Ant1	5775	0.06	0.11	54.55	---	PASS

Test Graphs



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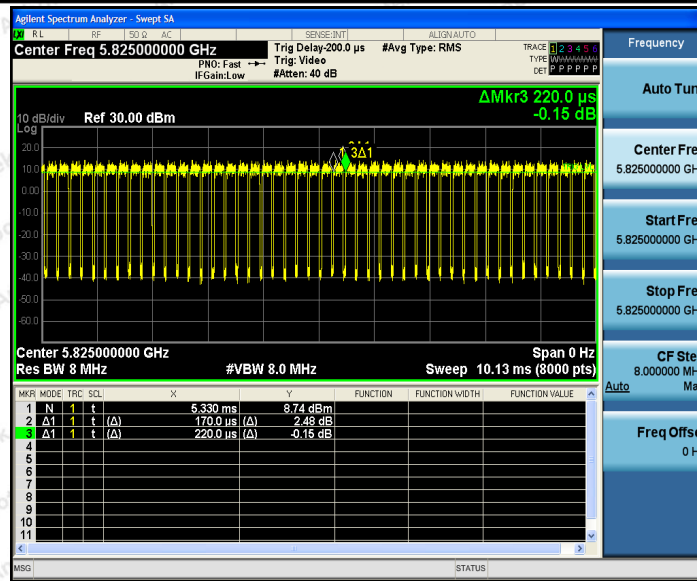
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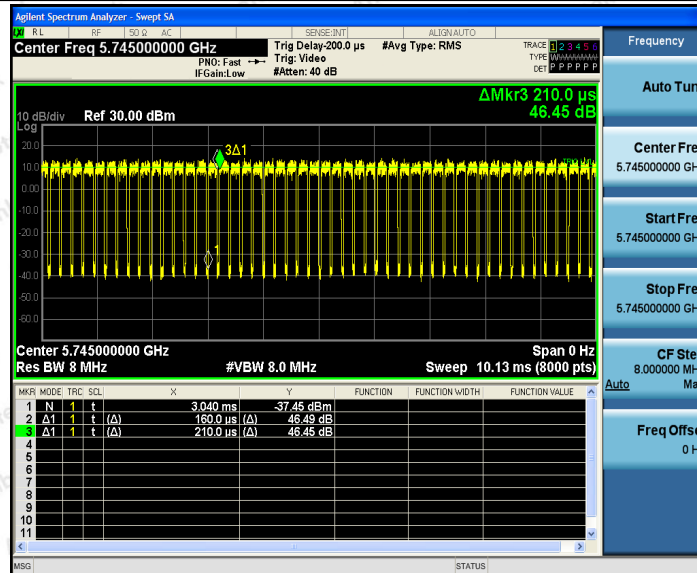
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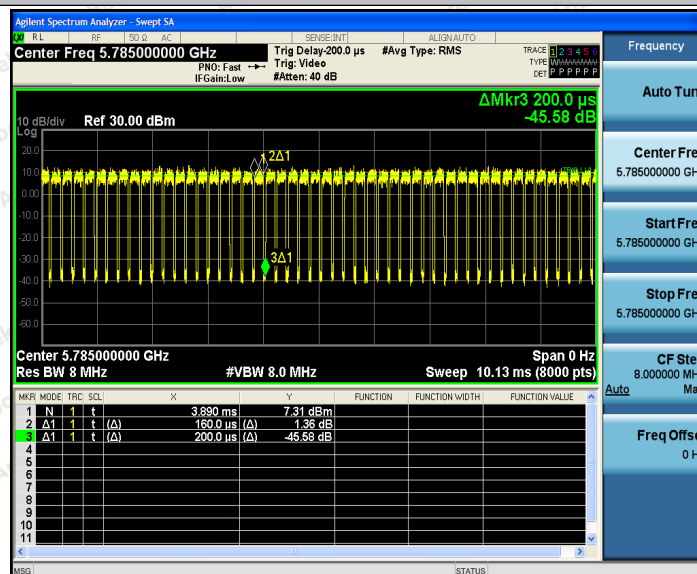
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11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



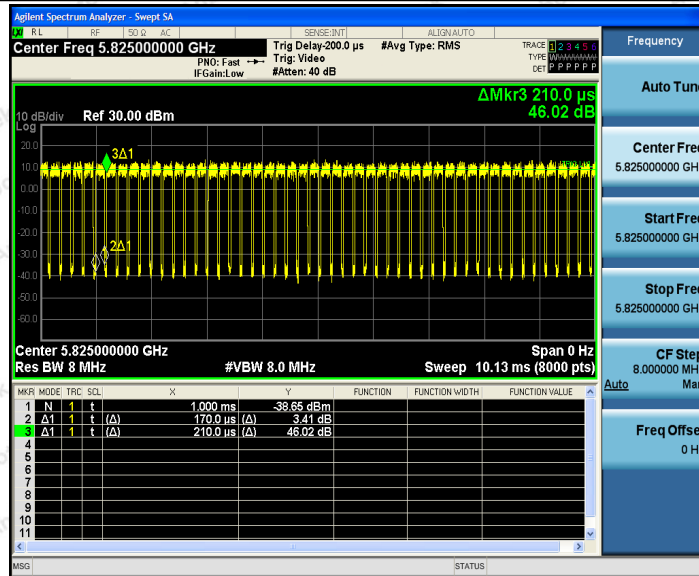
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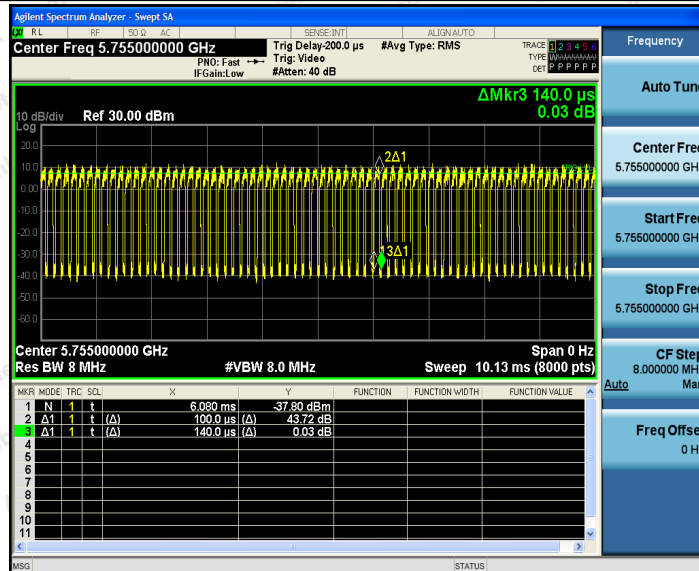
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11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



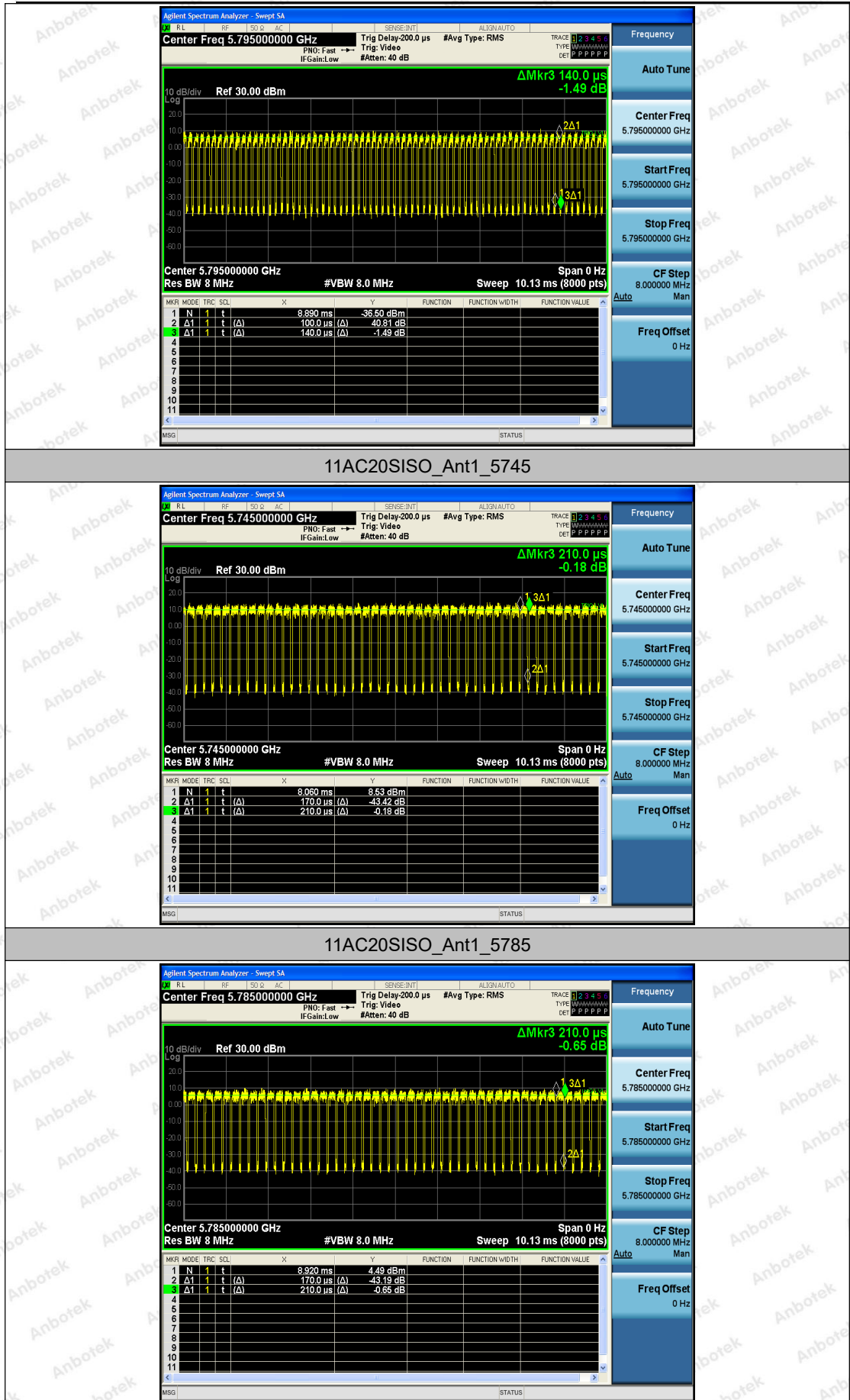
11N40SISO_Ant1_5795

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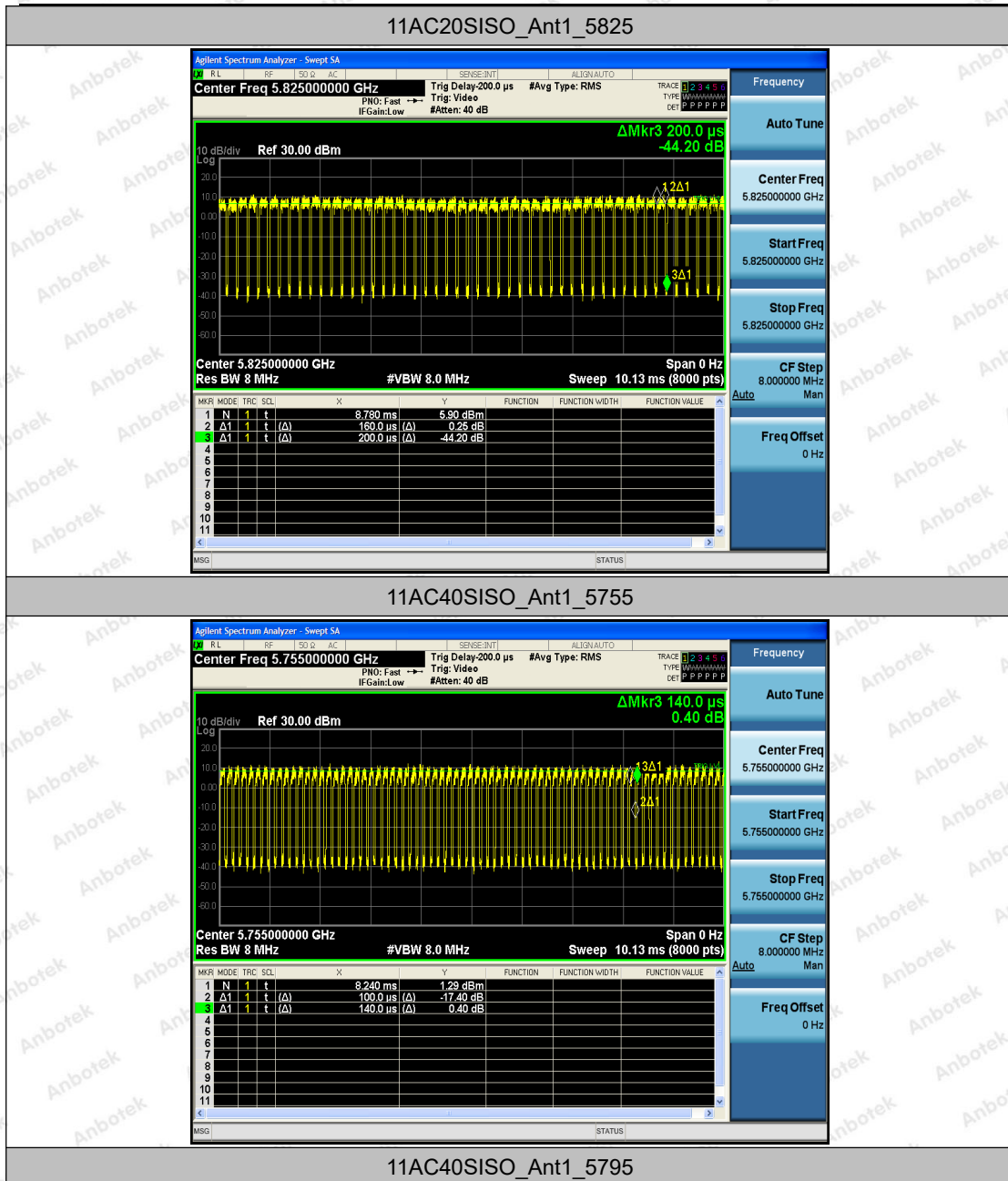


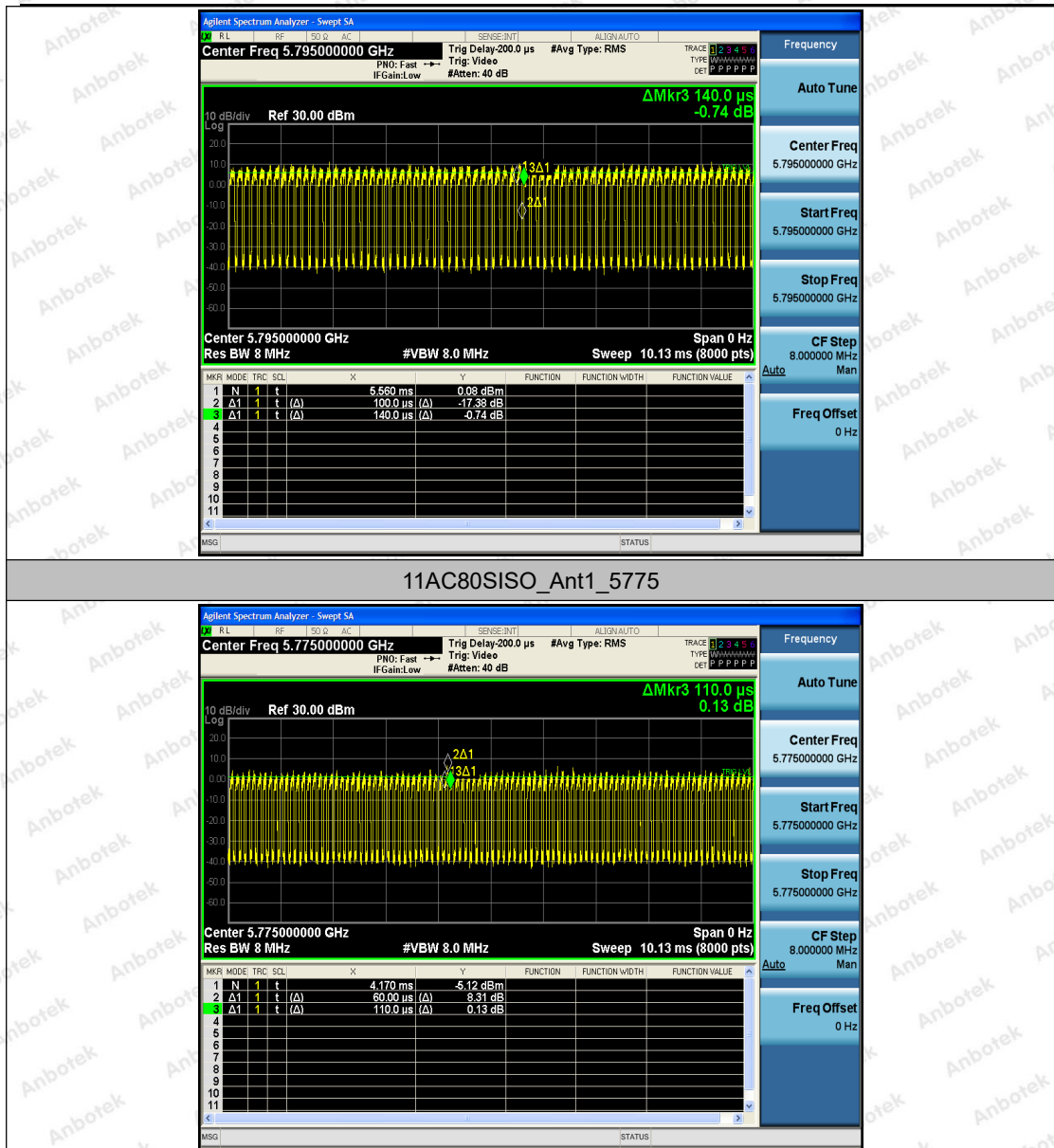
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