

Appendix Test Data

Report No.:	18220WC10194402	Test Date:	2021.9.17
Test Engineer:	<i>Tony 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	21.680	5734.44 0	5756.120	---	PASS
		5785	23.000	5774.28 0	5797.280	---	PASS
		5825	21.240	5814.48 0	5835.720	---	PASS
11N20SI SO	Ant1	5745	21.200	5734.40 0	5755.600	---	PASS
		5785	21.920	5774.36 0	5796.280	---	PASS
		5825	21.960	5813.96 0	5835.920	---	PASS
11N40SI SO	Ant1	5755	55.120	5730.20 0	5785.320	---	PASS
		5795	58.640	5770.36 0	5829.000	---	PASS
11AC20S ISO	Ant1	5745	21.640	5734.40 0	5756.040	---	PASS
		5785	23.320	5774.44 0	5797.760	---	PASS
		5825	21.160	5814.40 0	5835.560	---	PASS
11AC40S ISO	Ant1	5755	49.280	5734.60 0	5783.880	---	PASS
		5795	52.080	5774.76 0	5826.840	---	PASS
11AC80S ISO	Ant1	5775	80.320	5734.84 0	5815.160	---	PASS

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Test Graphs

11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825

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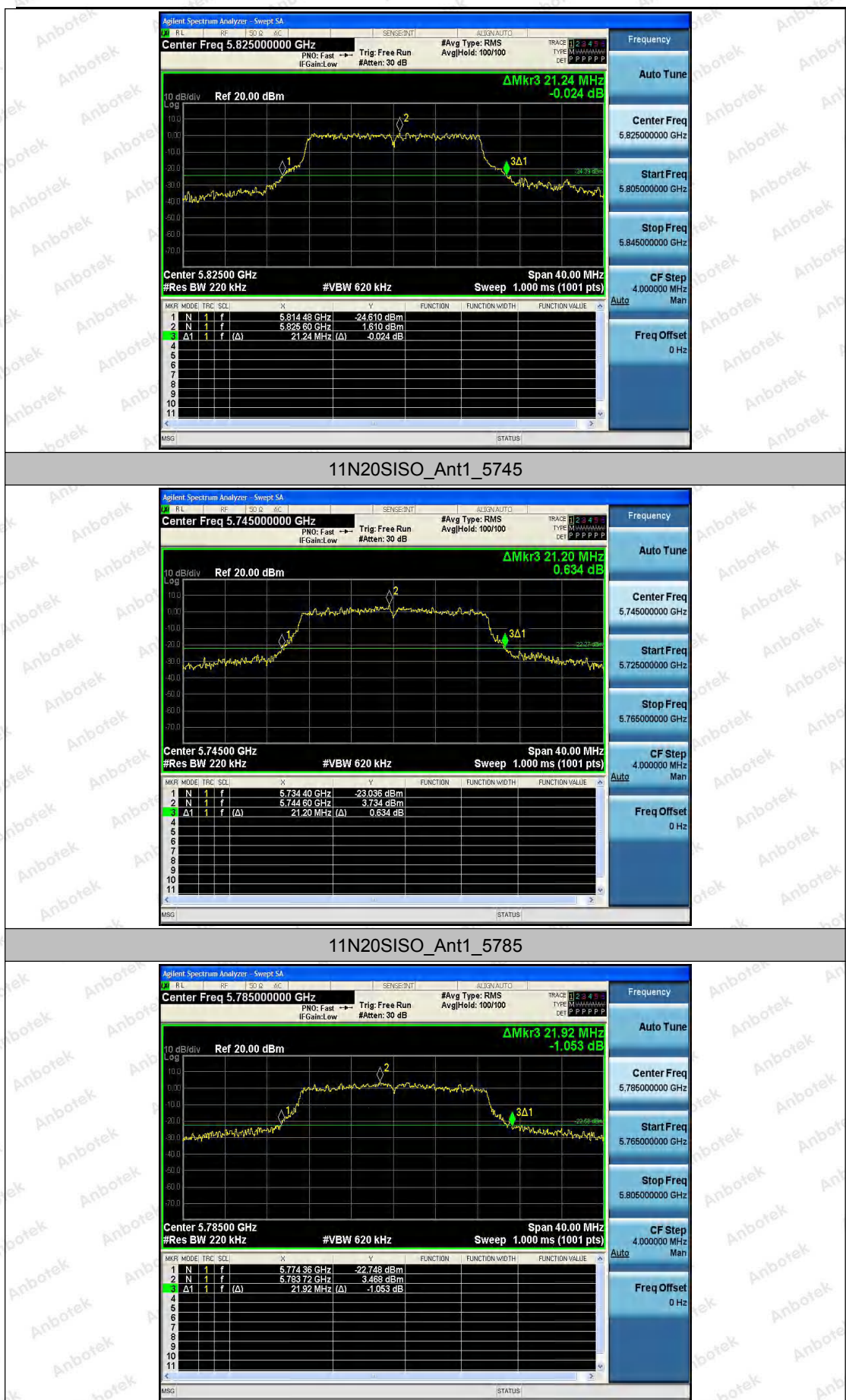
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11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



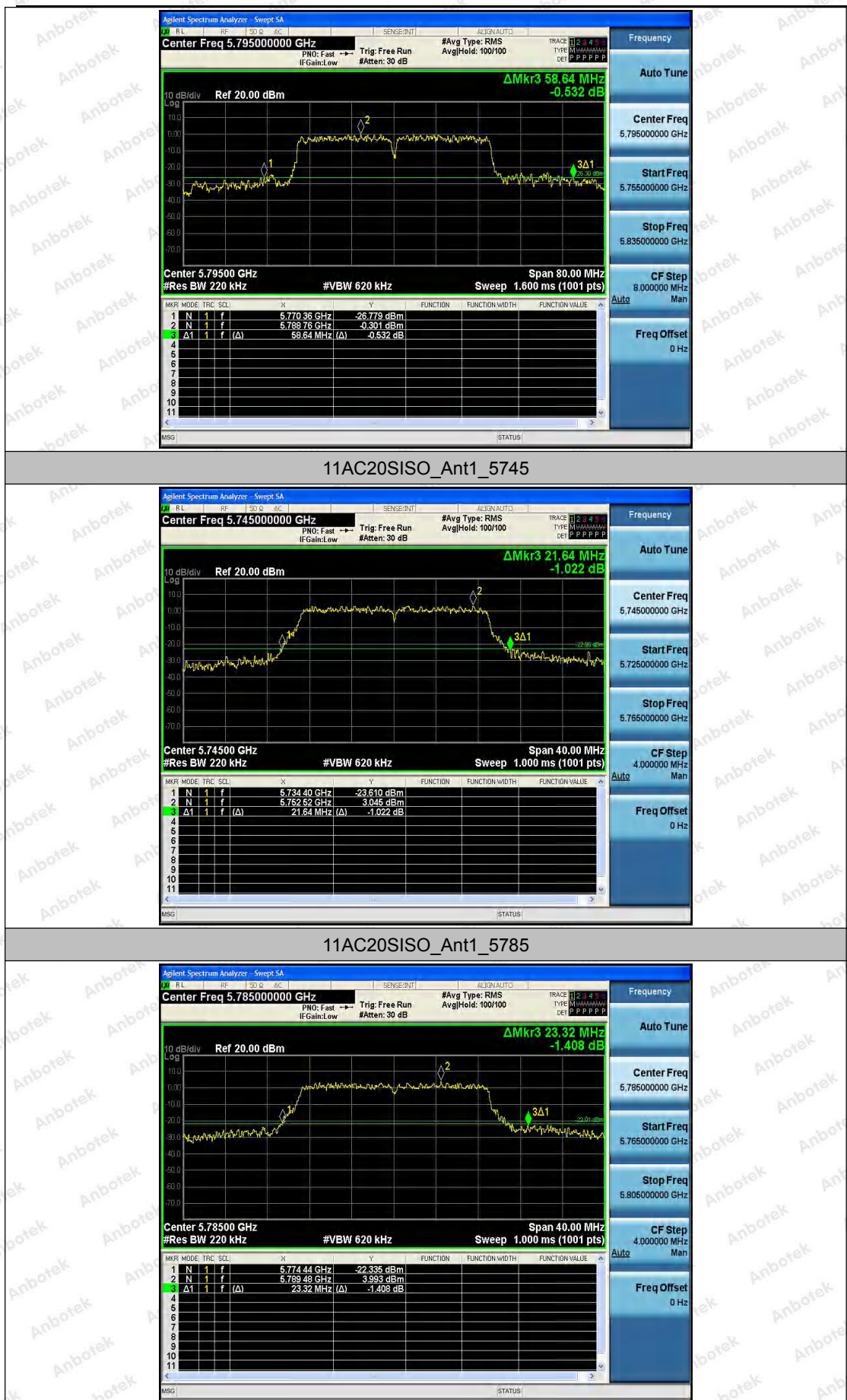
11N40SISO_Ant1_5795

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11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



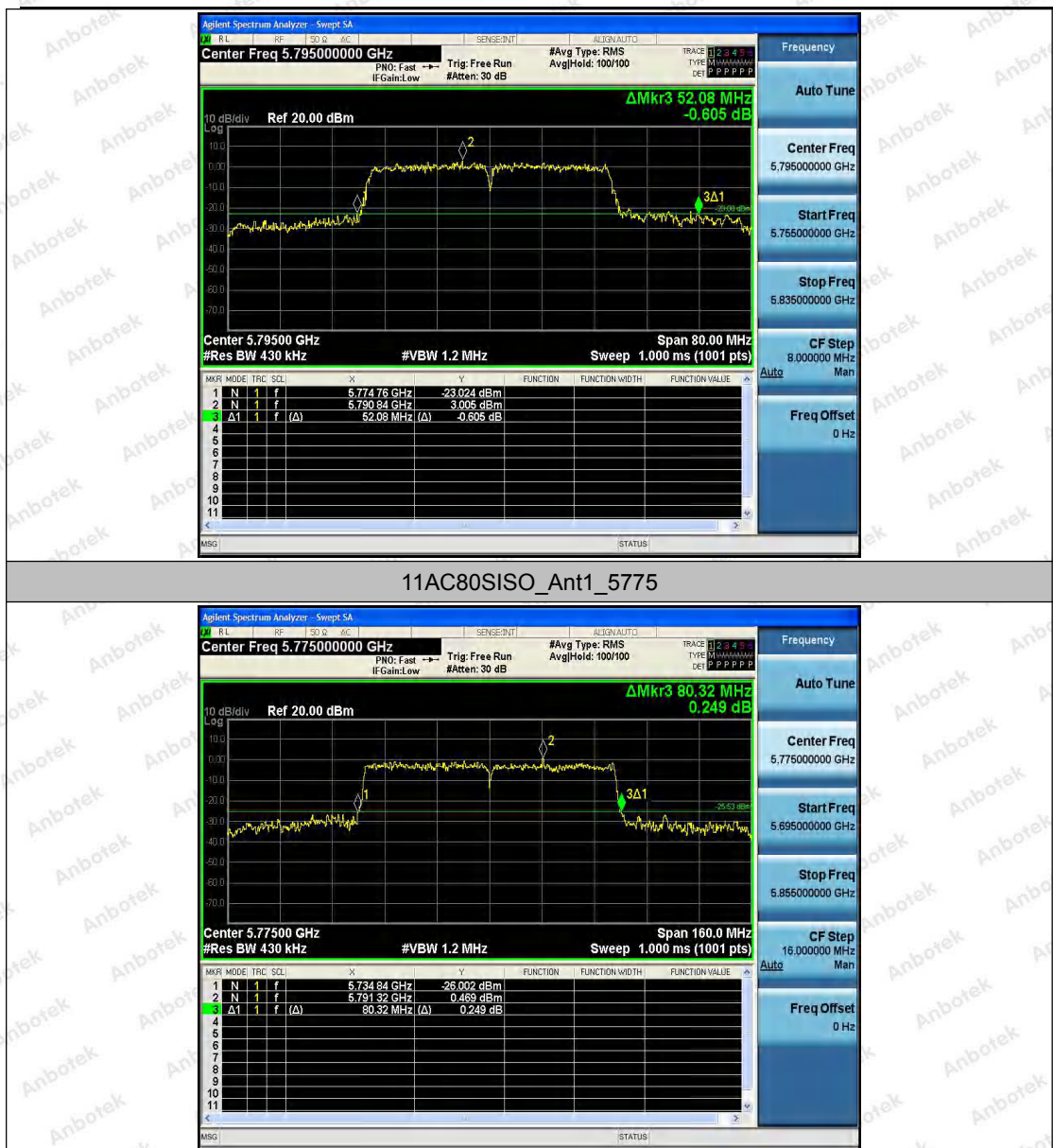
11AC40SISO_Ant1_5795

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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	16.975	5736.61 5	5753.590	---	PASS
		5785	17.169	5776.54 8	5793.717	---	PASS
		5825	16.934	5816.60 8	5833.542	---	PASS
11N20SI SO	Ant1	5745	18.180	5735.98 1	5754.161	---	PASS
		5785	18.365	5775.88 9	5794.254	---	PASS
		5825	18.213	5815.94 5	5834.158	---	PASS
11N40SI SO	Ant1	5755	36.438	5736.88 6	5773.324	---	PASS
		5795	36.597	5776.84 1	5813.438	---	PASS
11AC20S ISO	Ant1	5745	18.428	5735.78 9	5754.217	---	PASS
		5785	18.463	5775.80 7	5794.270	---	PASS
		5825	18.289	5815.84 6	5834.135	---	PASS
11AC40S ISO	Ant1	5755	36.824	5736.59 0	5773.414	---	PASS
		5795	36.929	5776.69 3	5813.622	---	PASS
11AC80S ISO	Ant1	5775	76.073	5737.05 0	5813.123	---	PASS

Test Graphs

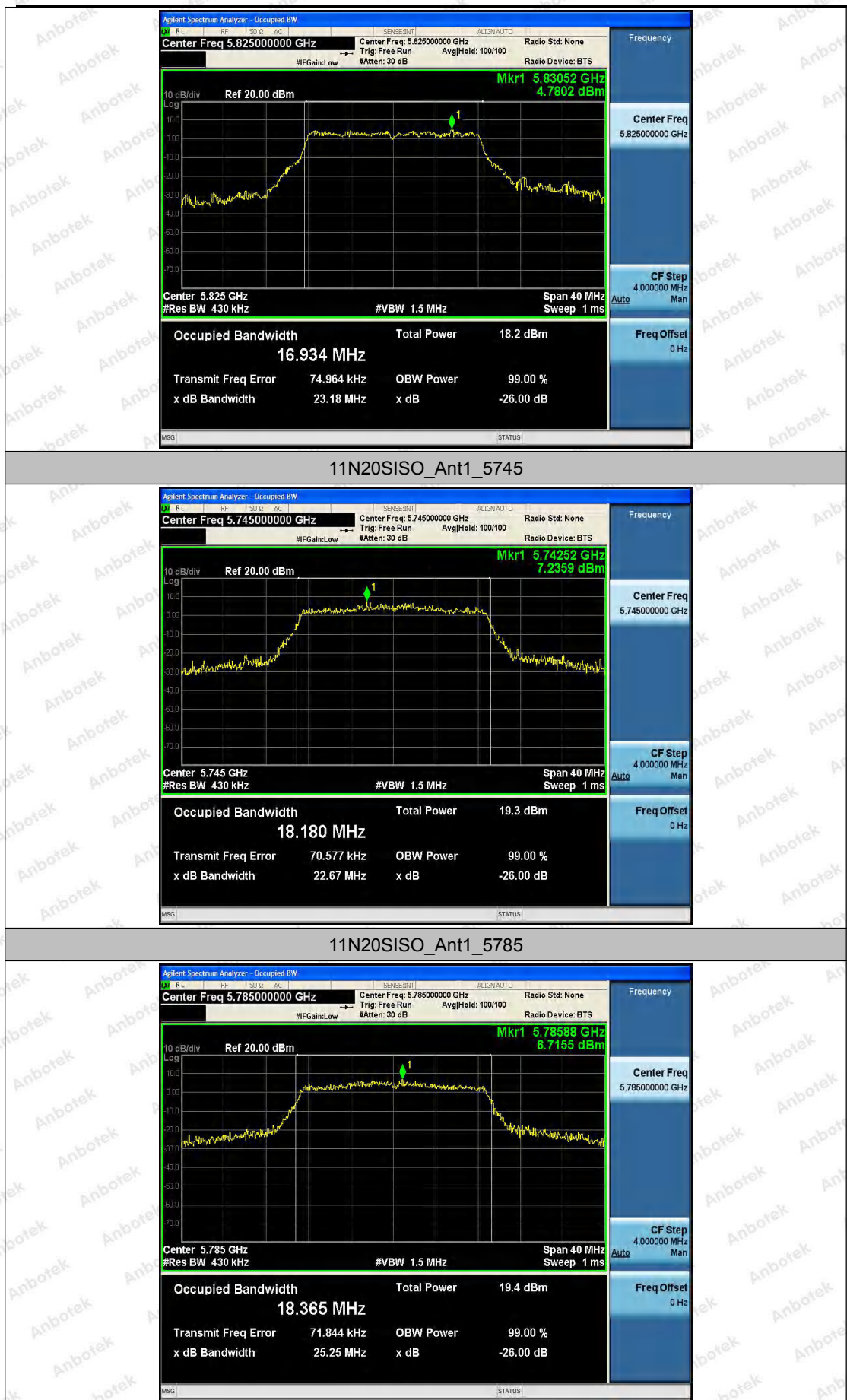


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11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



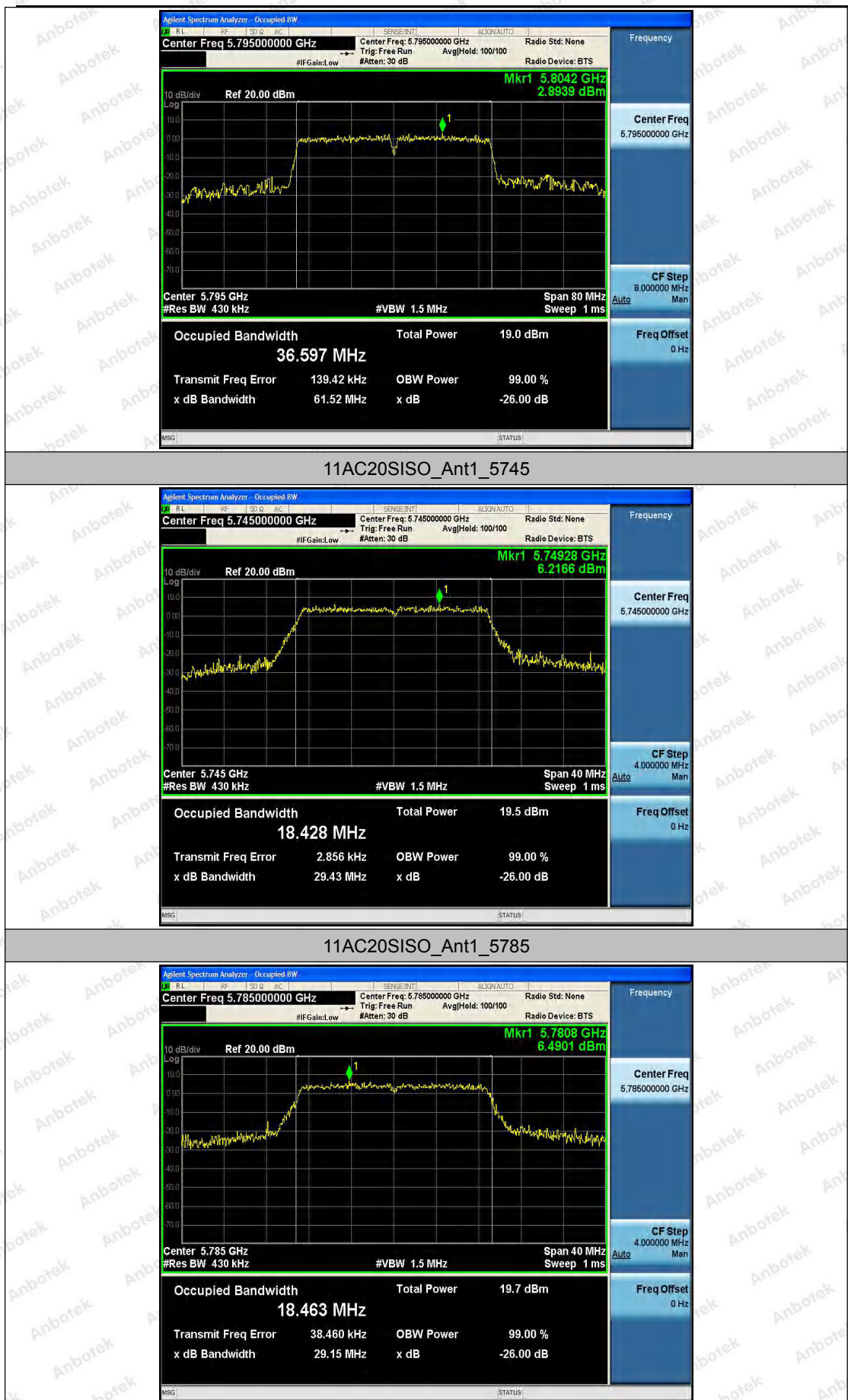
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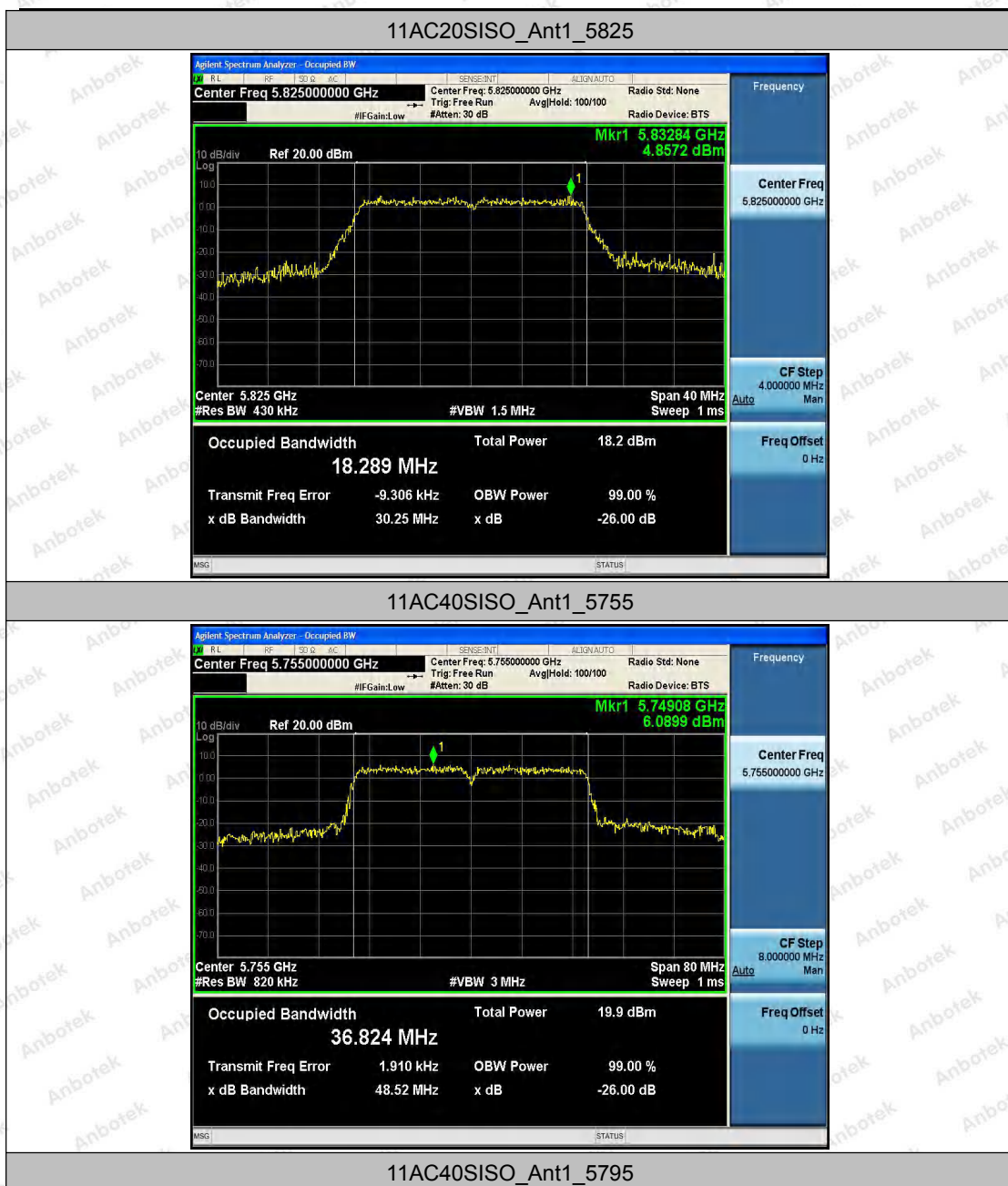


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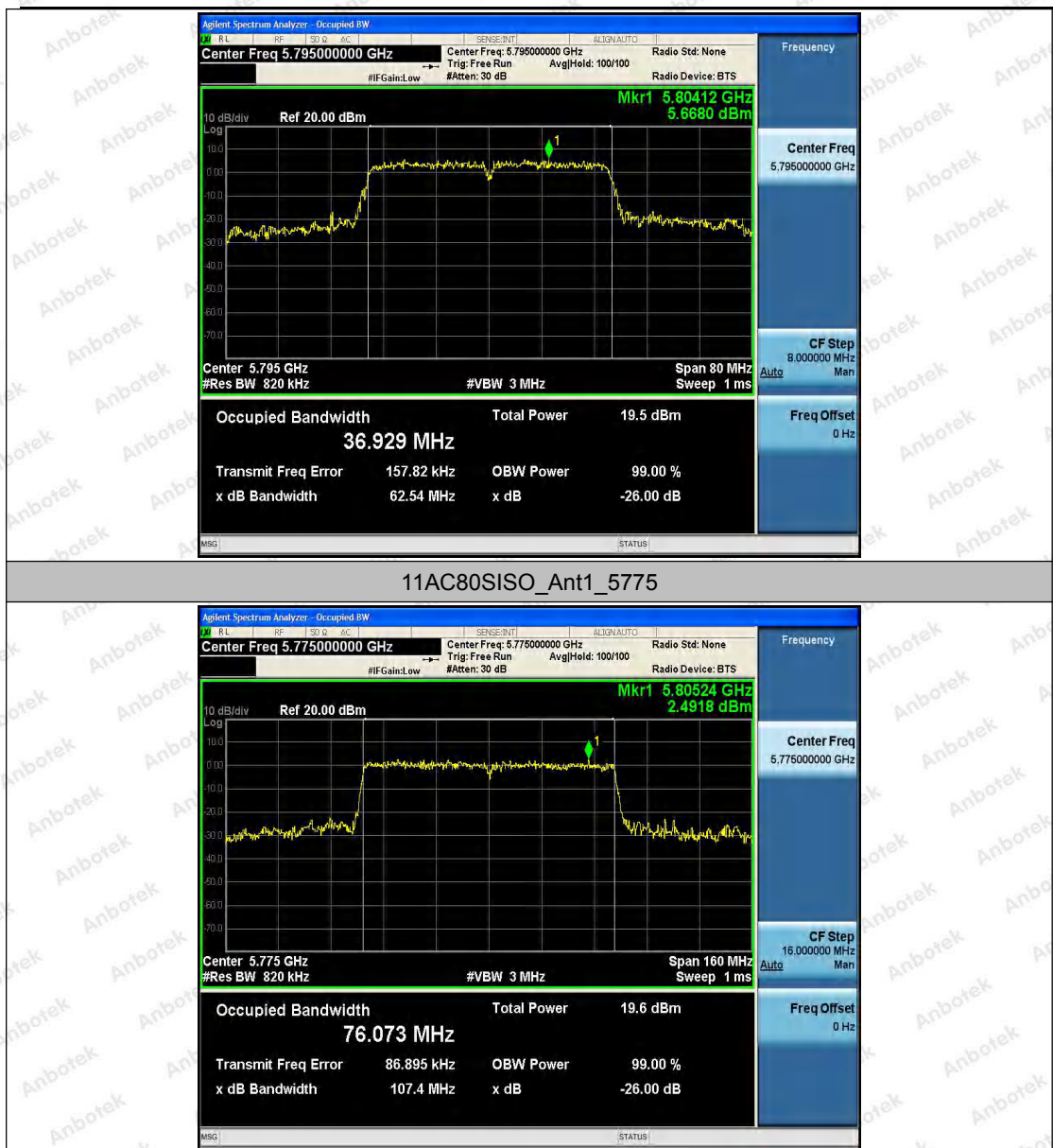


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Appendix A3: Min emission bandwidth

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
		5785	16.520	5776.760	5793.280	0.5	PASS
		5825	16.440	5816.800	5833.240	0.5	PASS
11N20SI SO	Ant1	5745	17.280	5736.320	5753.600	0.5	PASS
		5785	17.360	5776.520	5793.880	0.5	PASS
		5825	17.680	5816.200	5833.880	0.5	PASS
11N40SI SO	Ant1	5755	36.480	5736.840	5773.320	0.5	PASS
		5795	36.240	5776.920	5813.160	0.5	PASS
11AC20S ISO	Ant1	5745	17.720	5736.200	5753.920	0.5	PASS
		5785	17.680	5776.200	5793.880	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	5776.840	5813.320	0.5	PASS
11AC80S ISO	Ant1	5775	76.640	5736.760	5813.400	0.5	PASS

Test Graphs

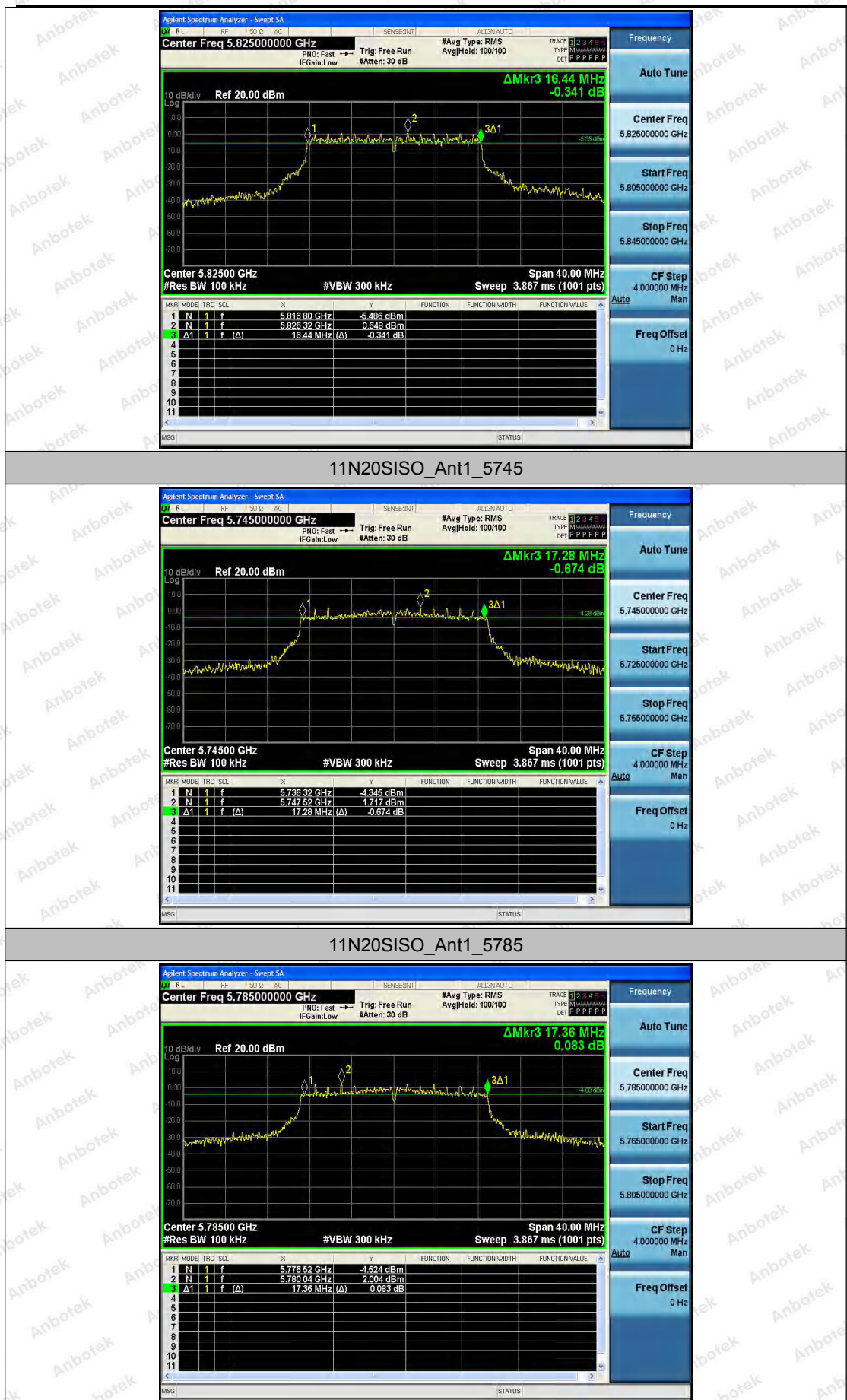


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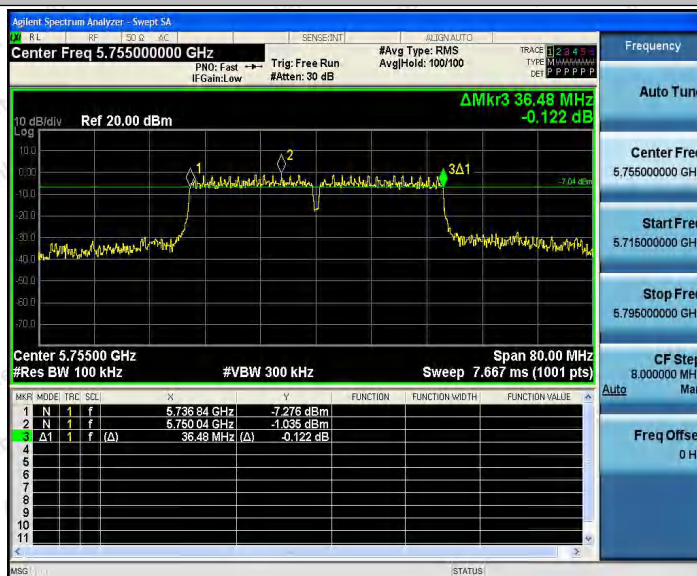
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11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



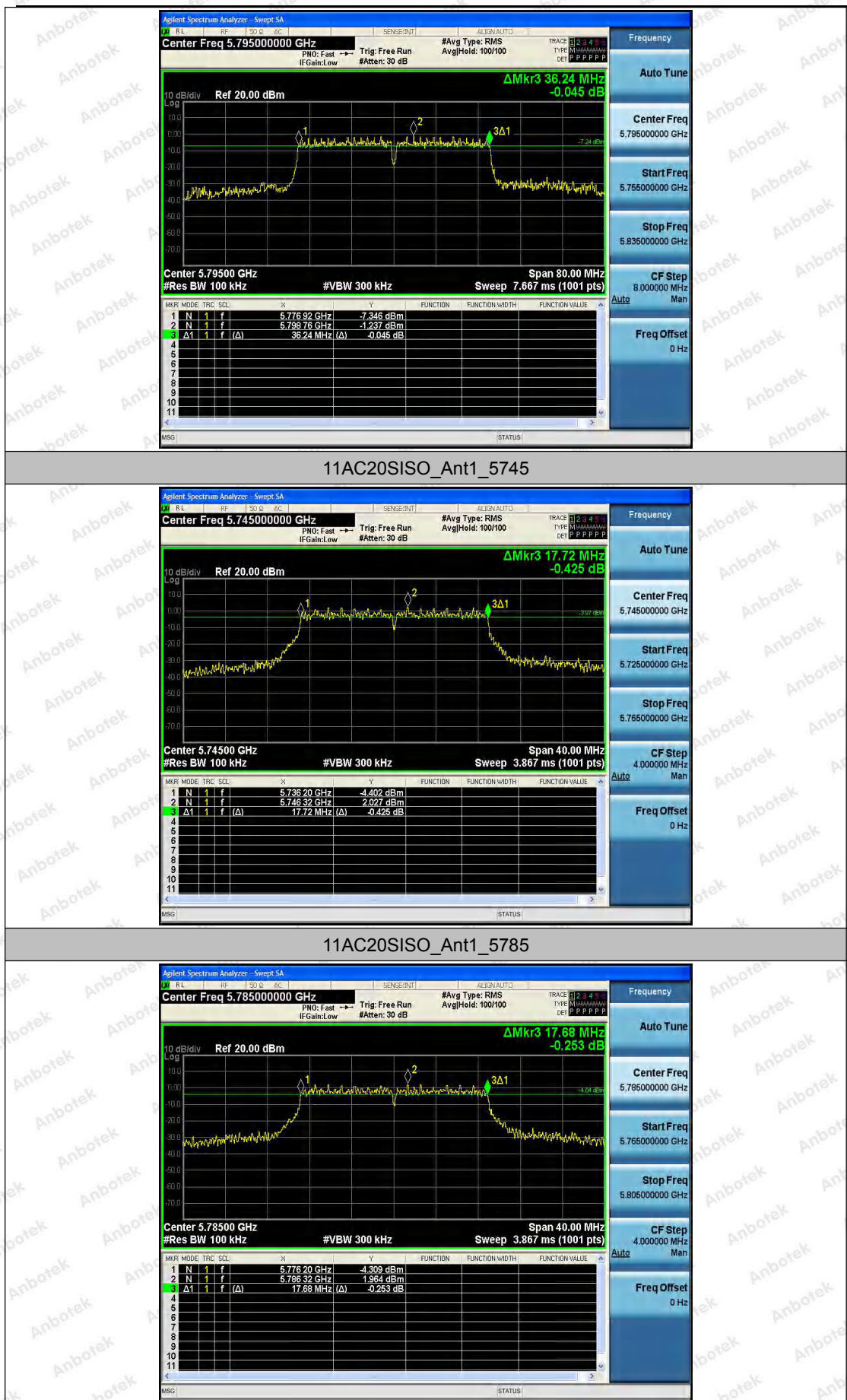
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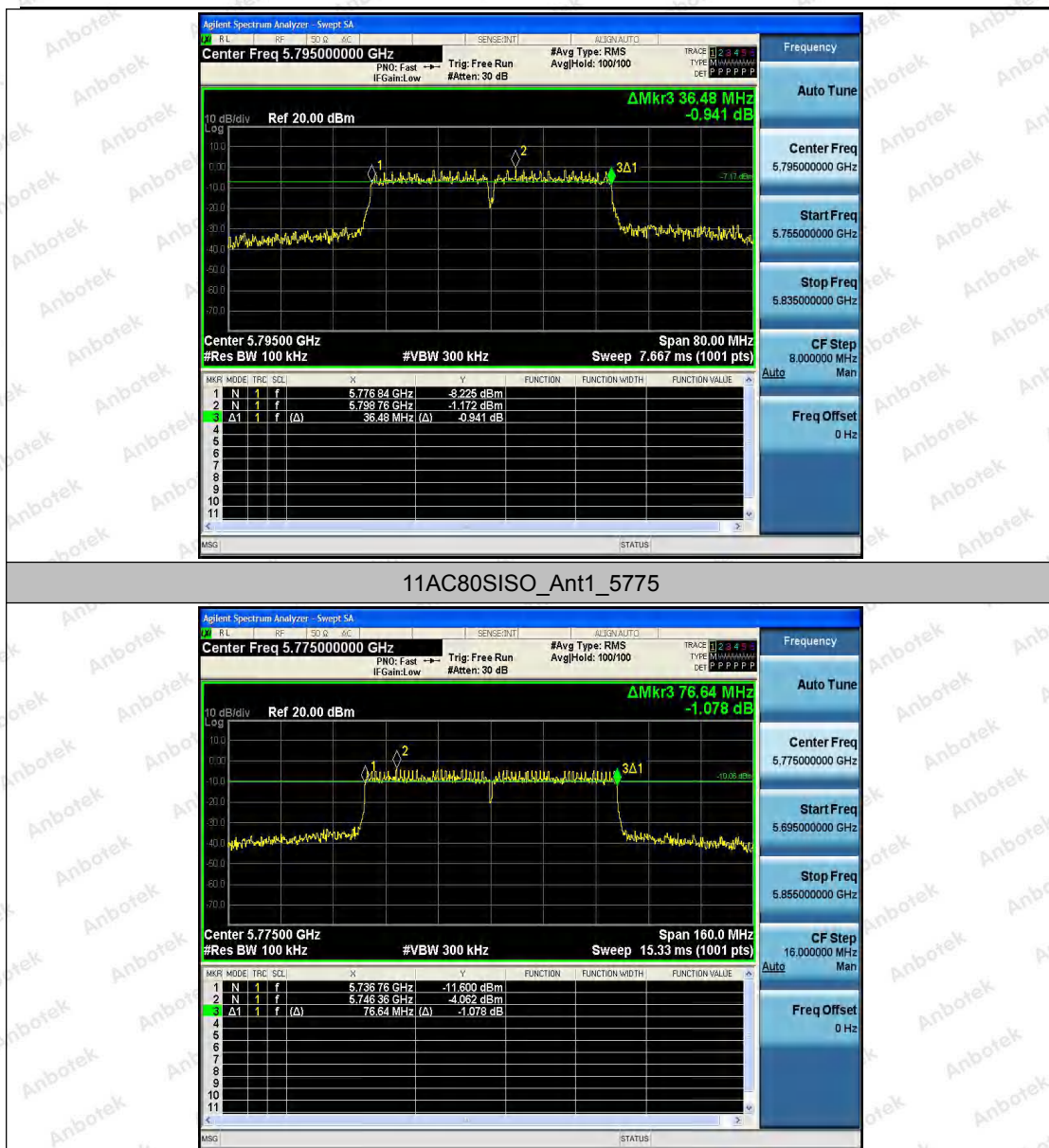


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Appendix B: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5745	12.94	≤30	PASS
		5785	13.37	≤30	PASS
		5825	11.84	≤30	PASS
11N20SISO	Ant1	5745	13.04	≤30	PASS
		5785	13.22	≤30	PASS
		5825	11.85	≤30	PASS
11N40SISO	Ant1	5755	13.19	≤30	PASS
		5795	12.69	≤30	PASS
11AC20SISO	Ant1	5745	13.10	≤30	PASS
		5785	13.39	≤30	PASS
		5825	11.85	≤30	PASS
11AC40SISO	Ant1	5755	12.47	≤30	PASS
		5795	12.48	≤30	PASS
11AC80SISO	Ant1	5775	12.90	≤30	PASS

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

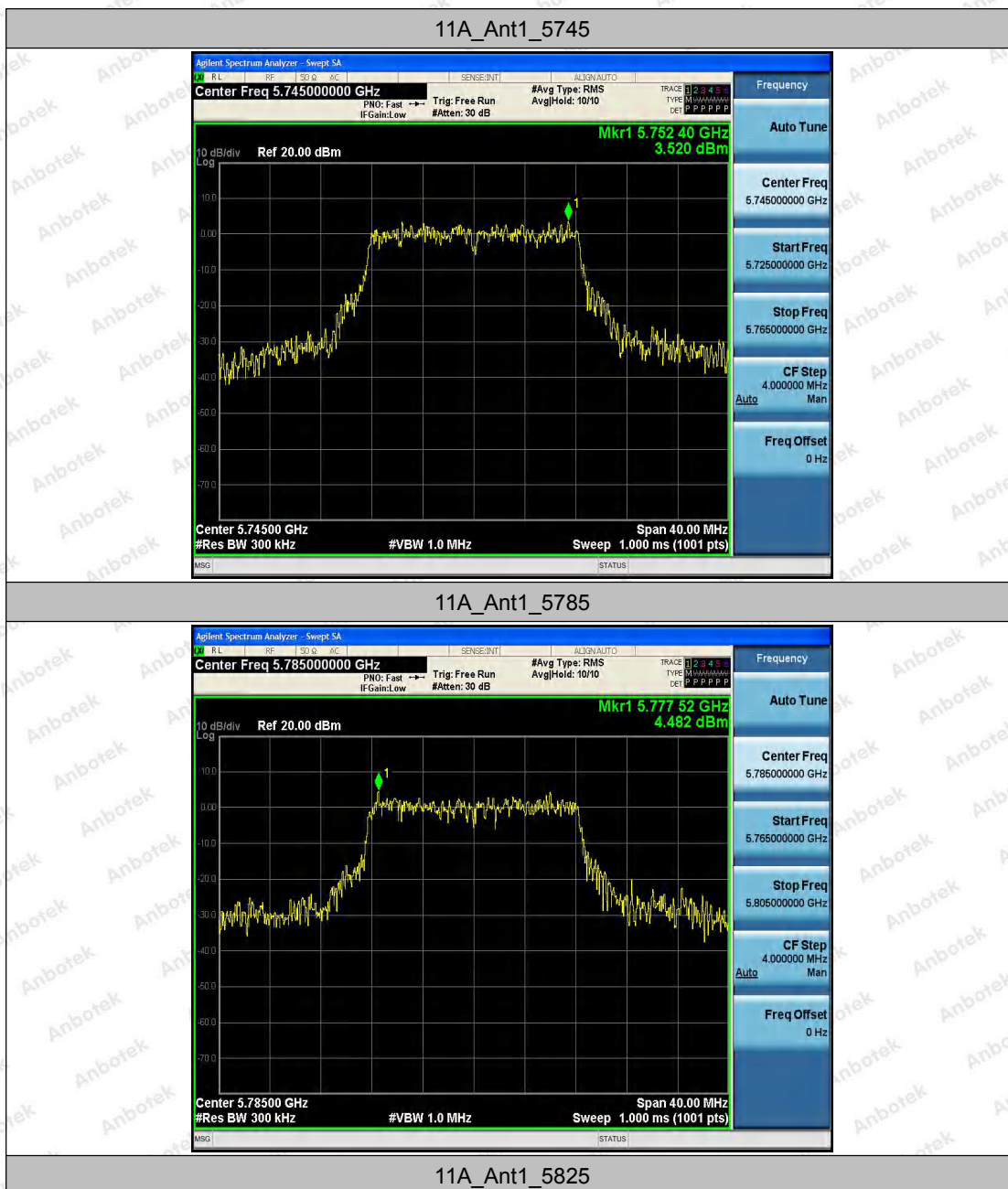
Appendix C: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result [dBm/300kHz]	Final Result [dBm/500kHz]	Limit[dBm/50 0kHz]	Verdict
11A	Ant1	5745	3.52	5.738	≤30	PASS
		5785	4.48	6.698	≤30	PASS
		5825	1.44	3.658	≤30	PASS
11N20SISO	Ant1	5745	3.73	5.948	≤30	PASS
		5785	3.57	5.788	≤30	PASS
		5825	2.59	4.808	≤30	PASS
11N40SISO	Ant1	5755	1.1	3.318	≤30	PASS
		5795	-0.52	1.698	≤30	PASS
11AC20SISO	Ant1	5745	3.8	6.018	≤30	PASS
		5785	4.2	6.418	≤30	PASS
		5825	1.76	3.978	≤30	PASS
11AC40SISO	Ant1	5755	0.01	2.228	≤30	PASS
		5795	-0.26	1.958	≤30	PASS
11AC80SISO	Ant1	5775	-1.78	0.438	≤30	PASS

Note: Final Result= Result + 10*LOG10(500/300)

Test Graphs

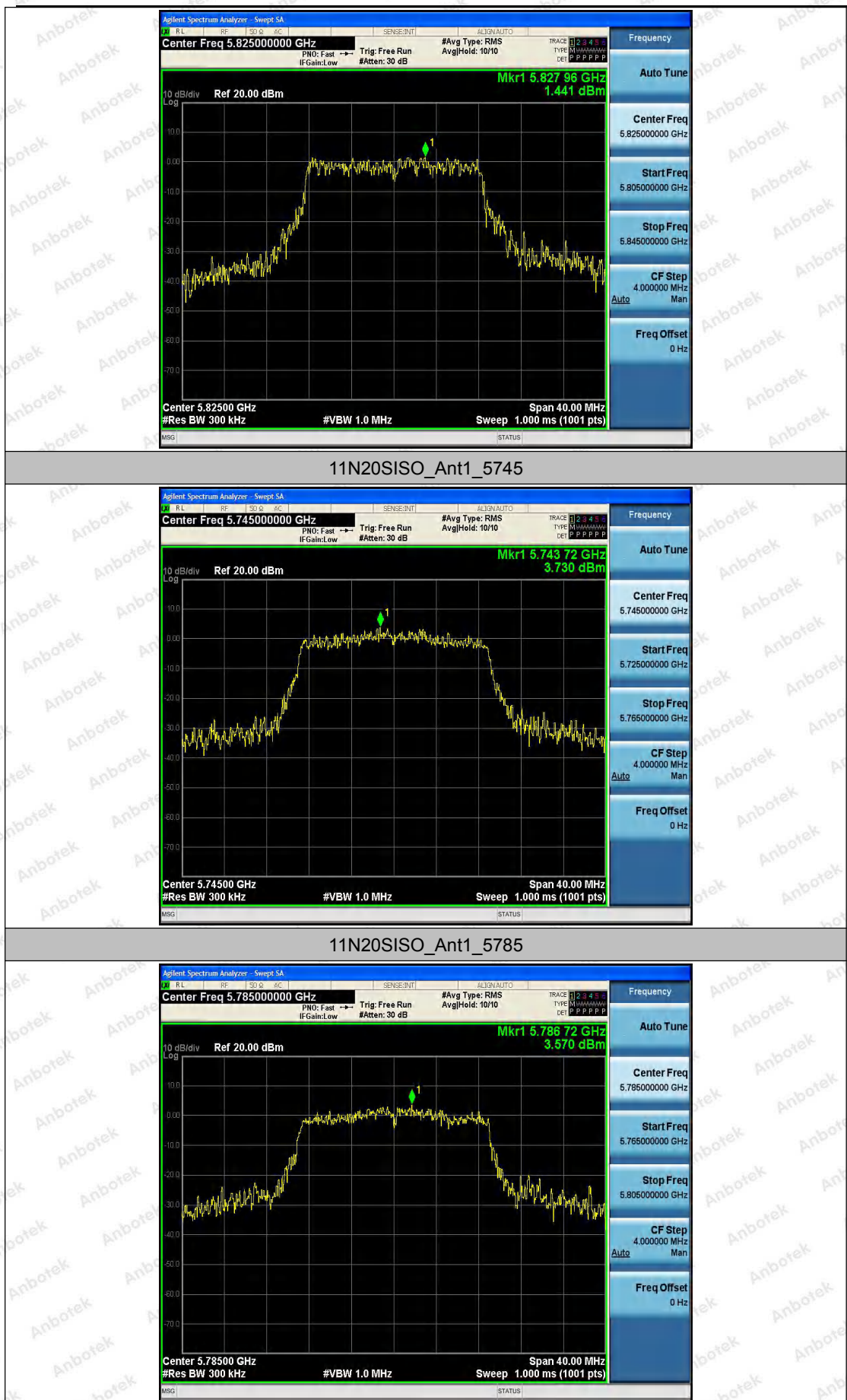


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11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



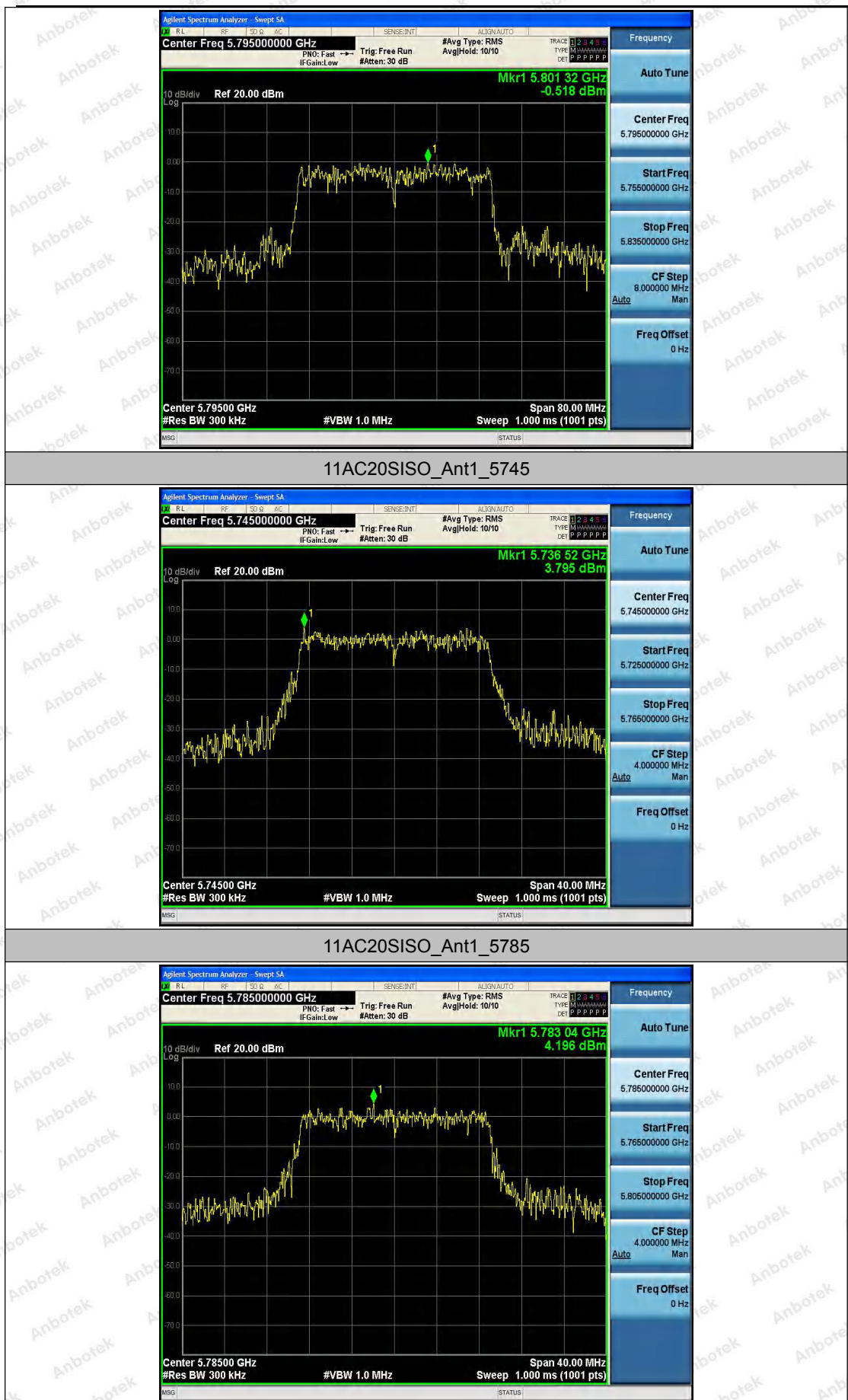
11N40SISO_Ant1_5795

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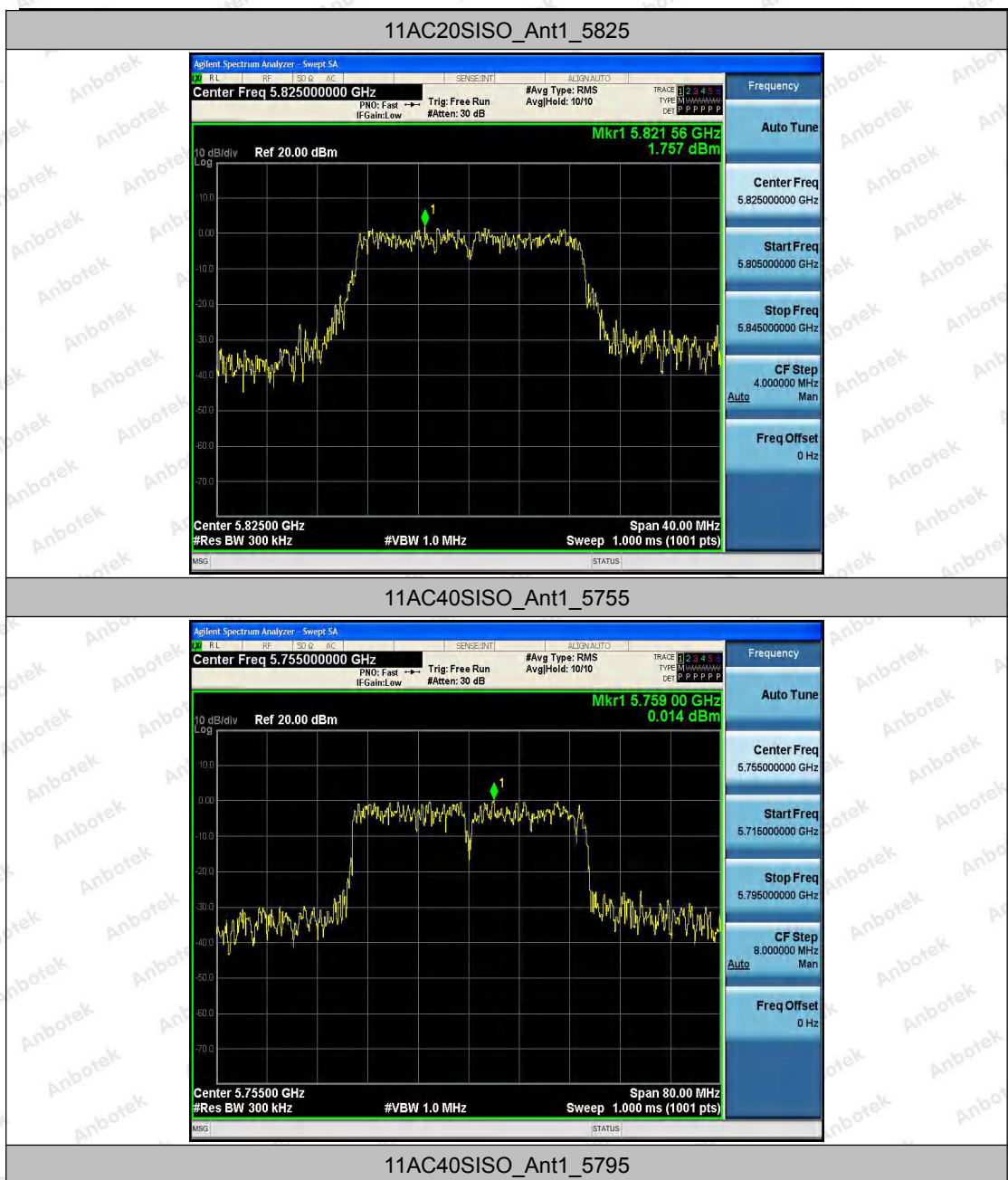


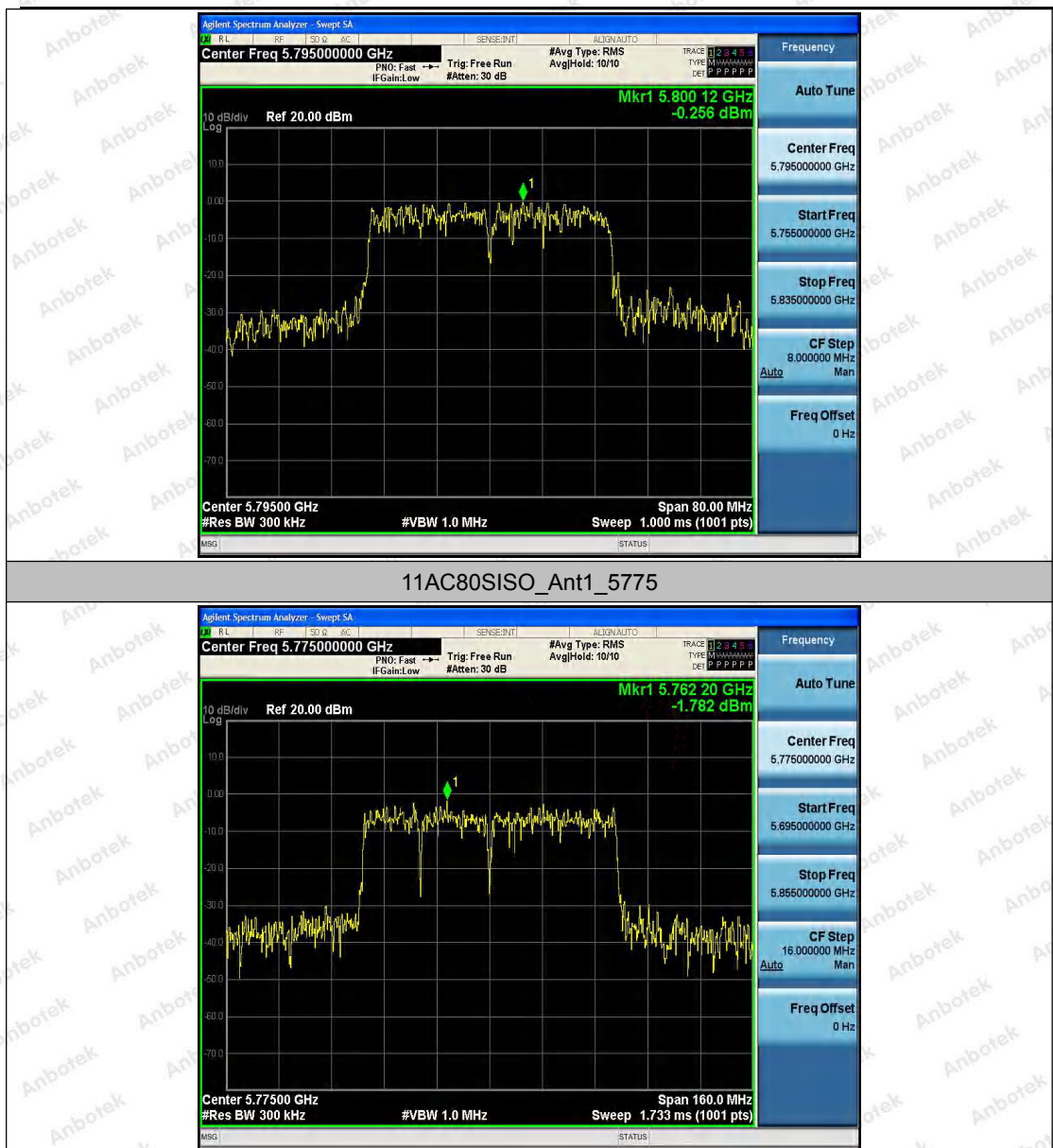
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Appendix D: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	Result[dBm]	Limit[dBm]	Verdict
TestMode	Antenna	ChName	Channel	Result	Limit	Verdict

TestMode	Antenna	ChName	Channel	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-38.31	≤7.80	PASS
				5700~5720	-29.73	≤15.37	PASS
				5720~5725	-26.03	≤26.49	PASS
				5755~5650	-43.55	≤-27	PASS
		High	5825	5850~5855	-33.17	≤17.54	PASS
				5855~5875	-37.06	≤10.43	PASS
				5875~5925	-42.22	≤-26.45	PASS
				5925~5950	-43.57	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-33.88	≤9.64	PASS
				5700~5720	-23.4	≤15.29	PASS
				5720~5725	-21.22	≤25.07	PASS
				5755~5650	-43.72	≤-27	PASS
		High	5825	5850~5855	-27.6	≤16.17	PASS
				5855~5875	-31.36	≤10.43	PASS
				5875~5925	-39.52	≤-25.22	PASS
				5925~5950	-42.96	≤-27	PASS
11N40SI SO	Ant1	Low	5755	5650~5700	-30.69	≤9.73	PASS
				5700~5720	-19.2	≤14.91	PASS
				5720~5725	-19.06	≤23.63	PASS
				5745~5650	-42.16	≤-27	PASS
		High	5795	5850~5855	-28.98	≤18.46	PASS
				5855~5875	-33.33	≤10.62	PASS
				5875~5925	-40.21	≤-26.76	PASS
				5925~5950	-43.25	≤-27	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-35.77	≤8.49	PASS
				5700~5720	-27.84	≤15.55	PASS
				5720~5725	-22.83	≤20.83	PASS
				5755~5650	-43.79	≤-27	PASS
		High	5825	5850~5855	-26.94	≤15.83	PASS
				5855~5875	-35.81	≤10.35	PASS
				5875~5925	-42.85	≤-25.45	PASS
				5925~5950	-43.38	≤-27	PASS

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11AC40S ISO	Ant1	Low	5755	5650~5700	-31.69	≤ 8.40	PASS
				5700~5720	-23.2	≤ 14.70	PASS
				5720~5725	-20.95	≤ 25.81	PASS
				5745~5650	-39.84	≤ 27	PASS
	High	5795		5850~5855	-33.75	≤ 23.75	PASS
				5855~5875	-35.43	≤ 11.92	PASS
				5875~5925	-39.79	≤ 25.36	PASS
				5925~5950	-43.56	≤ 27	PASS
11AC80S ISO	Ant1	Low	5775	5650~5700	-25.66	≤ 0.59	PASS
				5700~5720	-23.47	≤ 14.62	PASS
				5720~5725	-22.57	≤ 18.51	PASS
				5765~5650	-34.72	≤ 27	PASS
	High	5775		5850~5855	-24.63	≤ 15.82	PASS
				5855~5875	-25.55	≤ 13.34	PASS
				5875~5925	-33.91	≤ 26.97	PASS
				5925~5950	-41.52	≤ 27	PASS

Test Graphs

Band edge measurements

11A_Ant1_Low_5745



11A_Ant1_High_5825



11N20SISO_Ant1_Low_5745

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11N20SISO_Ant1_High_5825



11N40SISO_Ant1_Low_5755



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11N40SISO_Ant1_High_5795



11AC20SISO_Ant1_Low_5745



11AC20SISO_Ant1_High_5825

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11AC40SISO_Ant1_Low_5755



11AC40SISO_Ant1_High_5795



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11AC80SISO_Ant1_Low_5775



11AC80SISO_Ant1_High_5775



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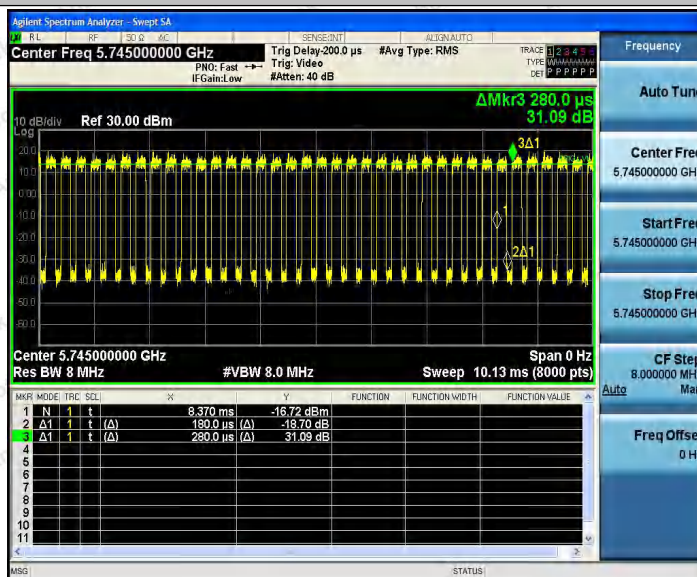
Appendix H: Duty Cycle

Test Result

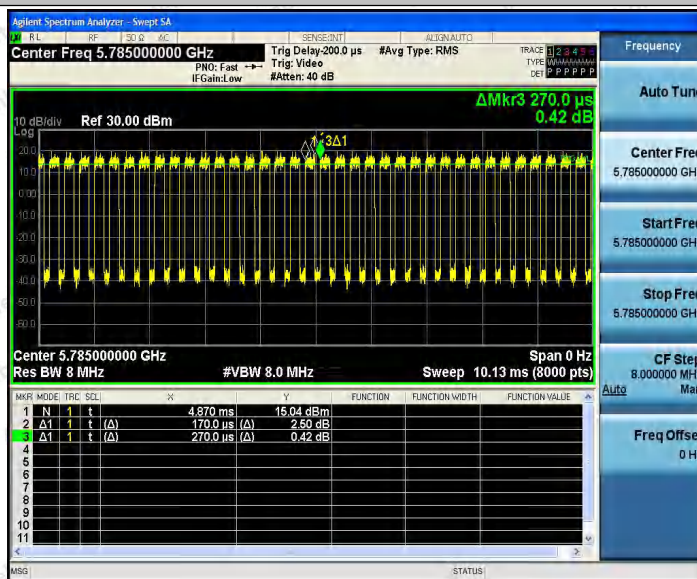
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11A	Ant1	5745	0.18	0.28	64.29	---	PASS
		5785	0.17	0.27	62.96	---	PASS
		5825	0.17	0.27	62.96	---	PASS
11N20SISO	Ant1	5745	0.67	0.77	87.01	---	PASS
		5785	0.68	0.78	87.18	---	PASS
		5825	0.67	0.77	87.01	---	PASS
11N40SISO	Ant1	5755	0.20	0.40	50.00	---	PASS
		5795	0.20	0.40	50.00	---	PASS
11AC20SISO	Ant1	5745	0.15	0.25	60.00	---	PASS
		5785	0.14	0.24	58.33	---	PASS
		5825	0.15	0.25	60.00	---	PASS
11AC40SISO	Ant1	5755	0.18	0.37	48.65	---	PASS
		5795	0.18	0.37	48.65	---	PASS
11AC80SISO	Ant1	5775	0.32	0.82	39.02	---	PASS

Test Graphs

11A_Ant1_5745



11A_Ant1_5785



11A_Ant1_5825

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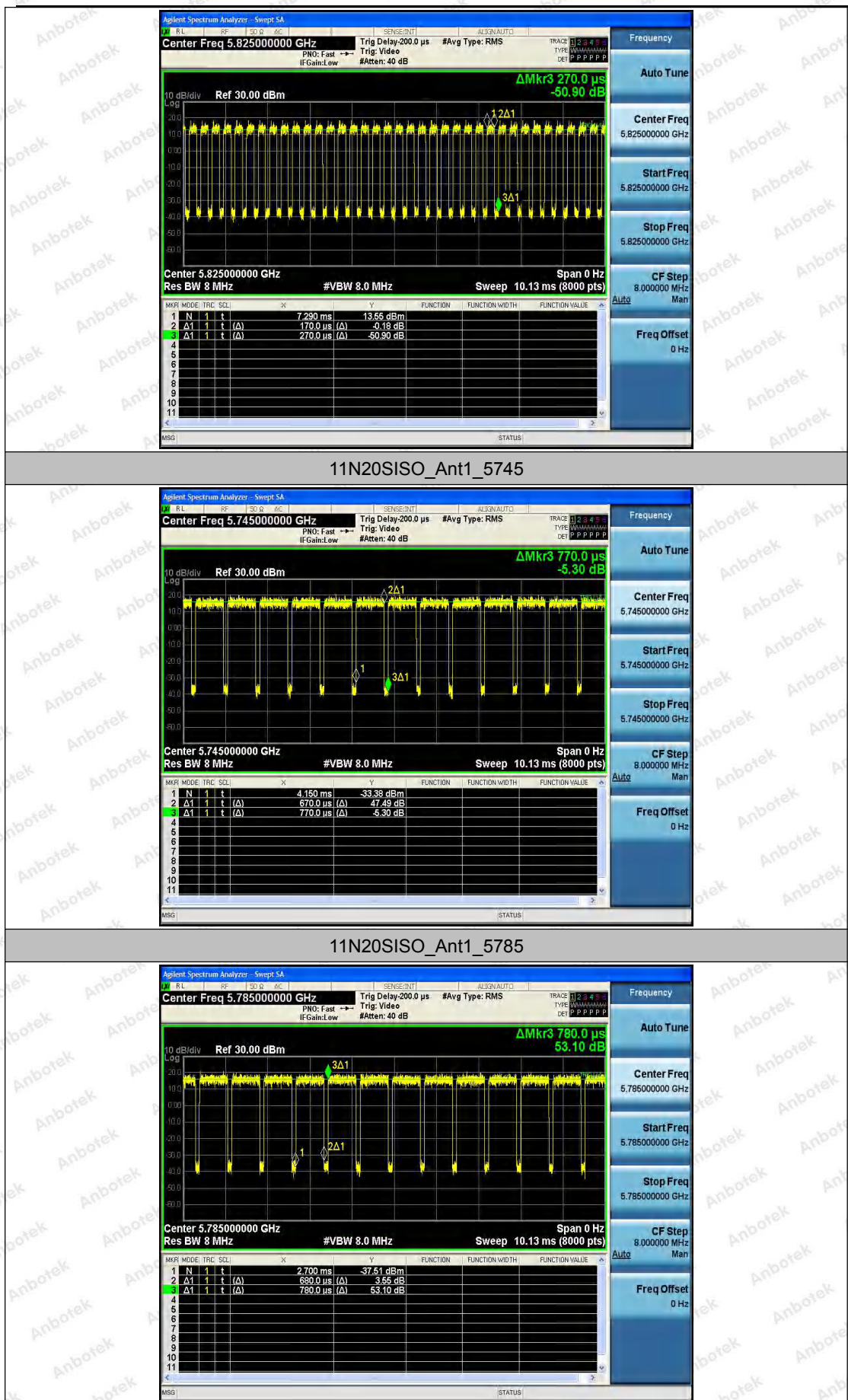
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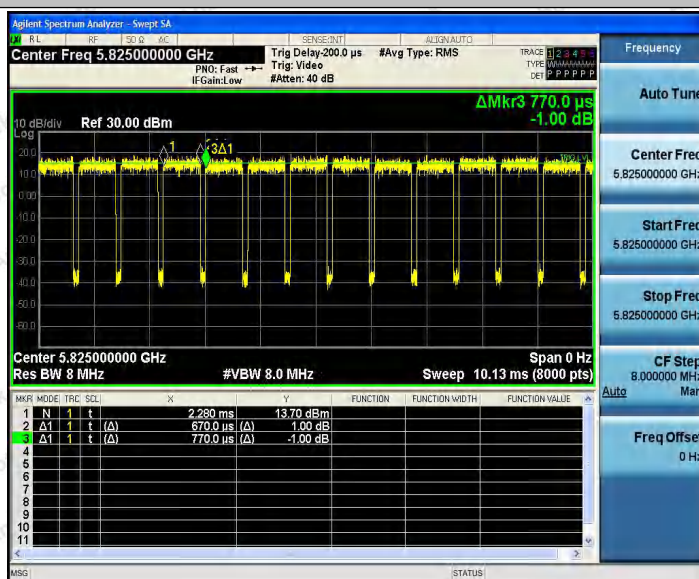
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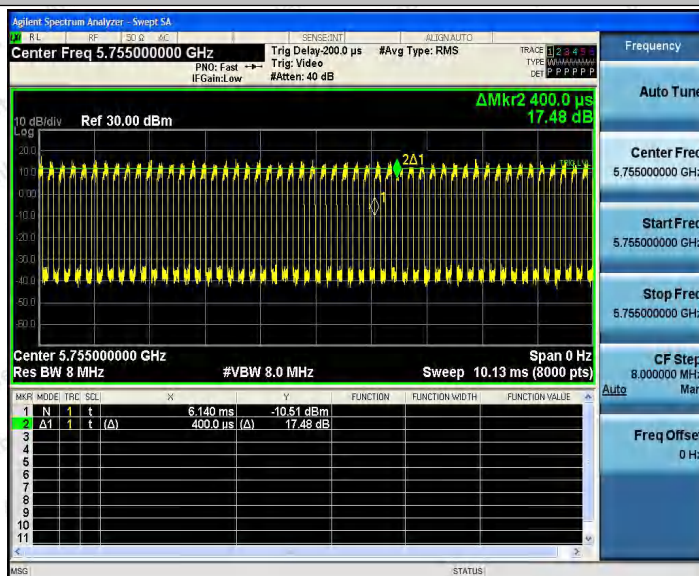
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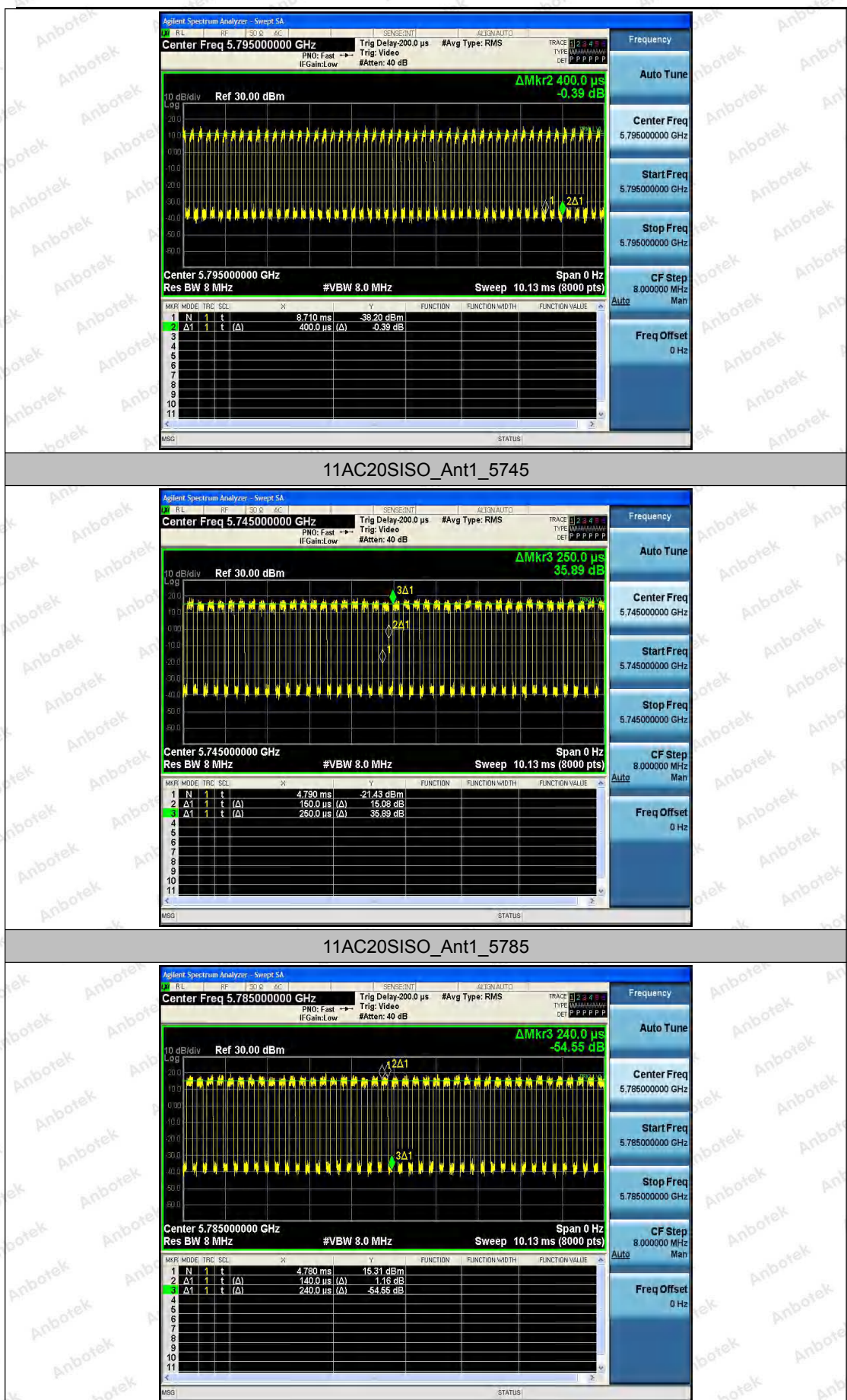
11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795

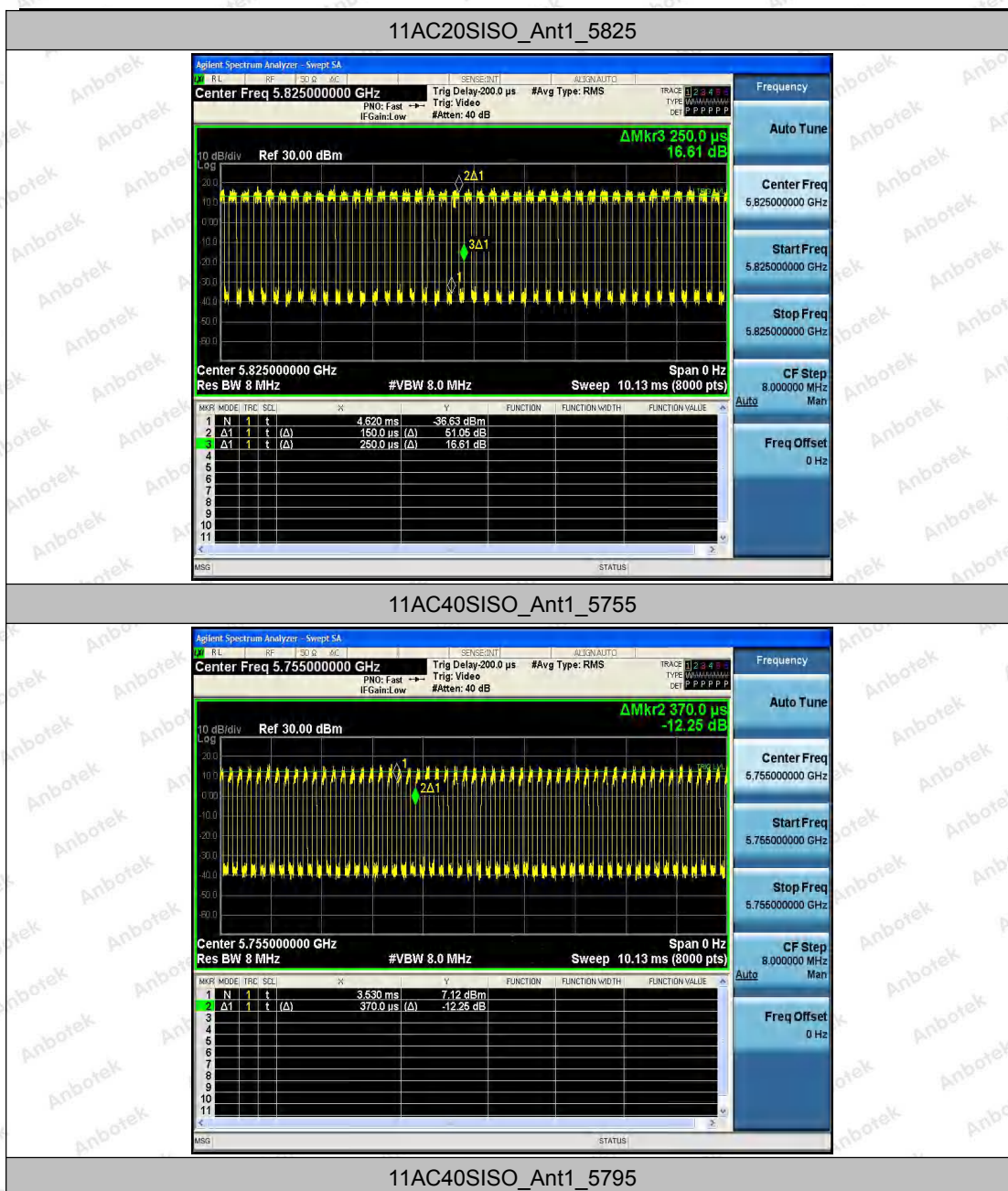


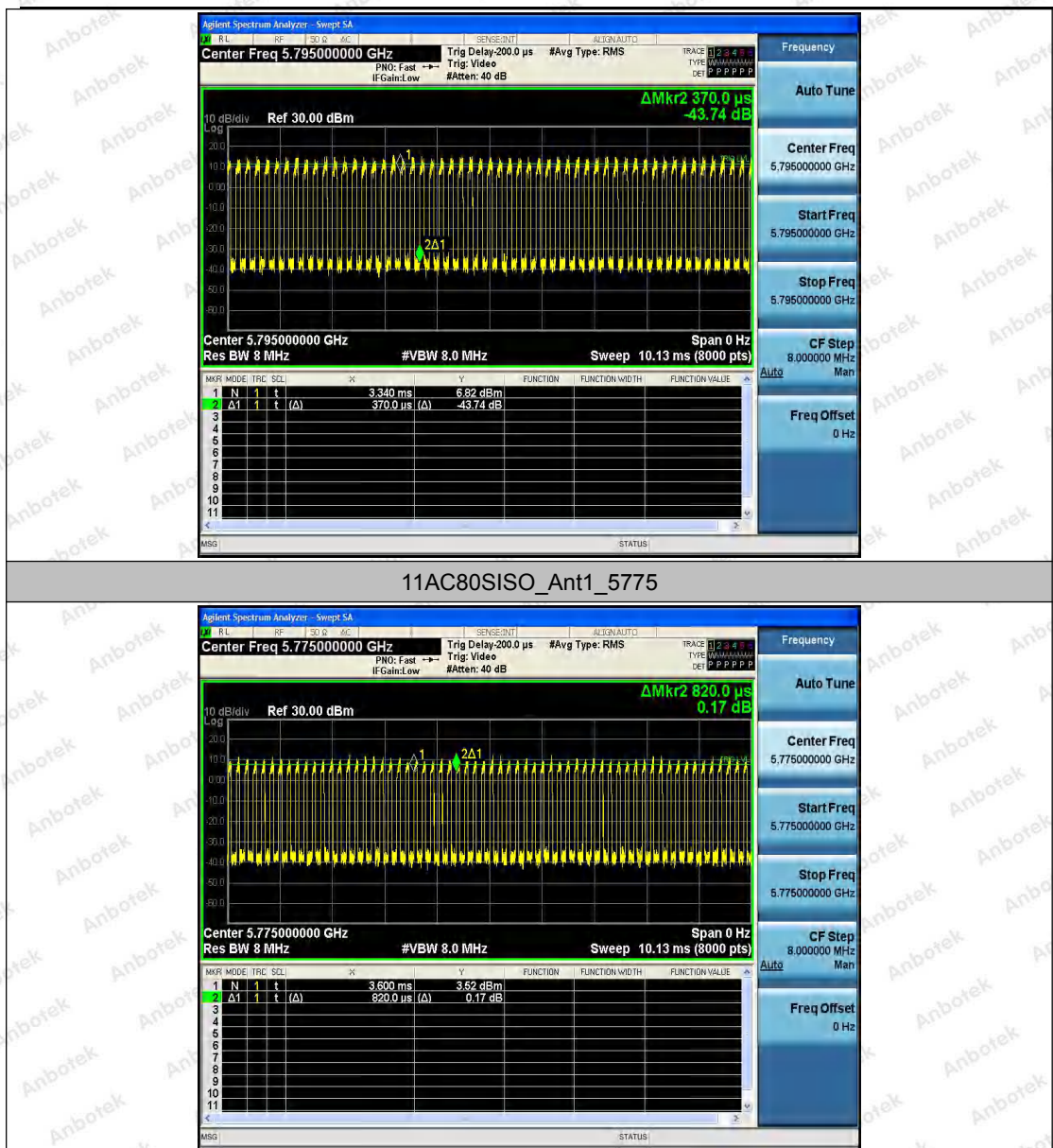
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