

Appendix Test Data

Report No.:	18220WC10203003	Test Date:	2021.9.10
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3C°	Relative Humidity:	56.5 %
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	23.840	5169.32 0	5193.160	---	PASS
		5200	24.760	5189.08 0	5213.840	---	PASS
		5240	25.920	5228.64 0	5254.560	---	PASS
		5745	22.320	5733.72 0	5756.040	---	PASS
		5785	22.680	5773.72 0	5796.400	---	PASS
		5825	21.920	5813.76 0	5835.680	---	PASS
11N20SI SO	Ant1	5180	25.240	5169.32 0	5194.560	---	PASS
		5200	25.320	5189.08 0	5214.400	---	PASS
		5240	25.600	5229.20 0	5254.800	---	PASS
		5745	21.720	5734.20 0	5755.920	---	PASS
		5785	22.800	5774.32 0	5797.120	---	PASS
		5825	22.960	5812.84 0	5835.800	---	PASS
11N40SI SO	Ant1	5190	52.320	5170.24 0	5222.560	---	PASS
		5230	56.000	5210.32	5266.320	---	PASS

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				0			
		5755	47.120	5734.68 0	5781.800	---	PASS
		5795	39.280	5775.48 0	5814.760	---	PASS
11AC20S ISO	Ant1	5180	25.880	5169.08 0	5194.960	---	PASS
		5200	26.640	5189.40 0	5216.040	---	PASS
		5240	24.840	5229.28 0	5254.120	---	PASS
		5745	21.520	5734.28 0	5755.800	---	PASS
		5785	21.840	5774.28 0	5796.120	---	PASS
		5825	23.400	5812.48 0	5835.880	---	PASS
11AC40S ISO	Ant1	5190	39.840	5170.32 0	5210.160	---	PASS
		5230	57.360	5210.32 0	5267.680	---	PASS
		5755	47.680	5734.52 0	5782.200	---	PASS
		5795	44.880	5775.40 0	5820.280	---	PASS
11AC80S ISO	Ant1	5210	115.360	5170.00 0	5285.360	---	PASS
		5775	91.680	5735.16 0	5826.840	---	PASS

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Test Graphs

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240

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11A_Ant1_5745



11A_Ant1_5785



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11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200

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11N20SISO_Ant1_5240



11N20SISO_Ant1_5745



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11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5190

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11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



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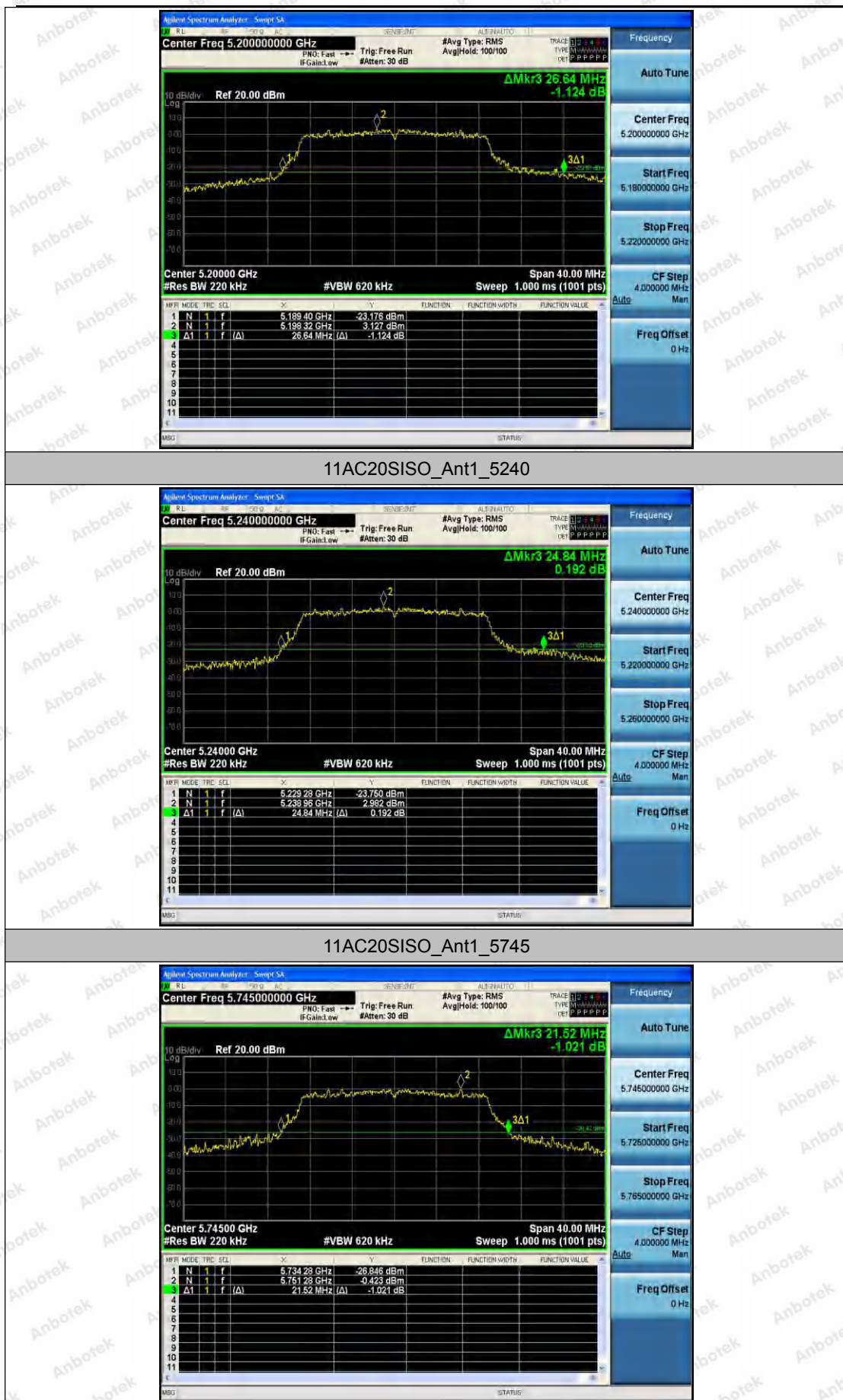
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



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11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755



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11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775

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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	17.664	5171.28 6	5188.950	---	PASS
		5200	17.670	5191.29 9	5208.969	---	PASS
		5240	17.596	5231.23 0	5248.826	---	PASS
		5745	17.512	5736.23 9	5753.751	---	PASS
		5785	17.383	5776.35 1	5793.734	---	PASS
		5825	17.557	5816.13 1	5833.688	---	PASS
11N20SI SO	Ant1	5180	18.560	5170.89 6	5189.456	---	PASS
		5200	18.606	5190.84 2	5209.448	---	PASS
		5240	18.446	5230.92 3	5249.369	---	PASS
		5745	18.381	5735.83 3	5754.214	---	PASS
		5785	18.375	5775.86 3	5794.238	---	PASS
		5825	18.385	5815.82 8	5834.213	---	PASS
11N40SI SO	Ant1	5190	36.493	5171.93 2	5208.425	---	PASS
		5230	36.638	5211.852	5248.490	---	PASS
		5755	36.343	5736.91 2	5773.255	---	PASS
		5795	36.210	5776.95 7	5813.167	---	PASS
11AC20S ISO	Ant1	5180	18.437	5170.88 7	5189.324	---	PASS
		5200	18.637	5190.87 8	5209.515	---	PASS
		5240	18.496	5230.83 6	5249.332	---	PASS

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		5745	18.380	5735.81 5	5754.195	---	PASS
		5785	18.358	5775.88 7	5794.245	---	PASS
		5825	18.445	5815.70 8	5834.153	---	PASS
11AC40S ISO	Ant1	5190	36.400	5171.92 8	5208.328	---	PASS
		5230	36.878	5211.766	5248.644	---	PASS
		5755	36.625	5736.79 7	5773.422	---	PASS
		5795	36.385	5776.88 9	5813.274	---	PASS
11AC80S ISO	Ant1	5210	76.077	5172.33 9	5248.416	---	PASS
		5775	75.604	5737.38 0	5812.984	---	PASS

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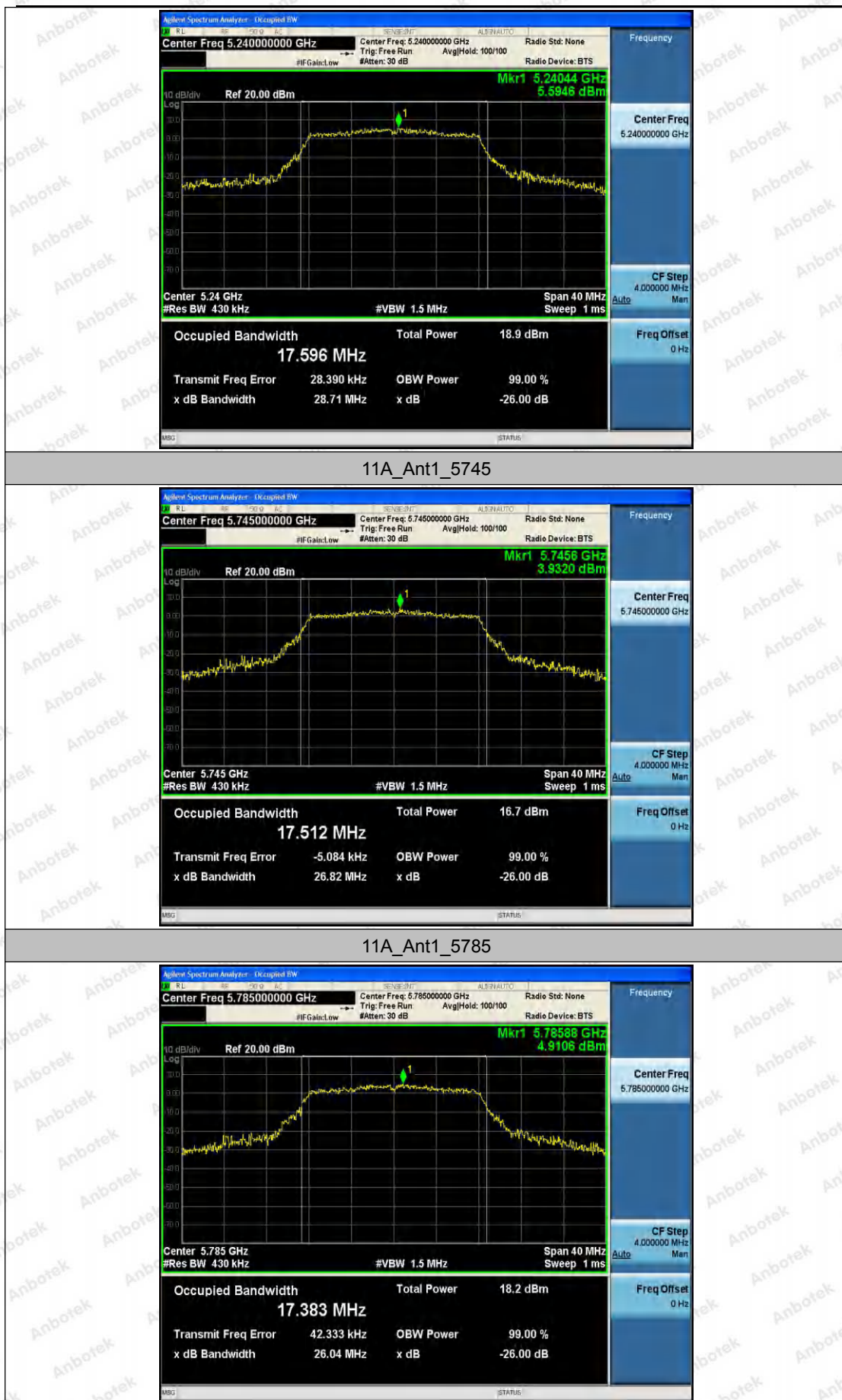
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Test Graphs





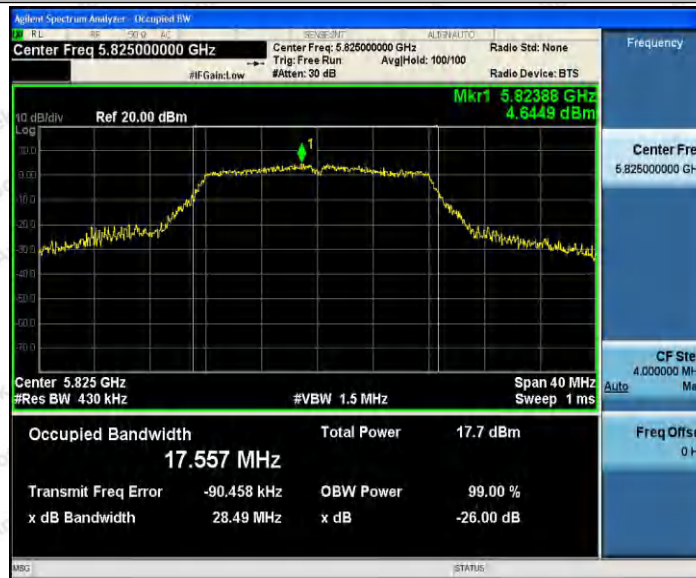
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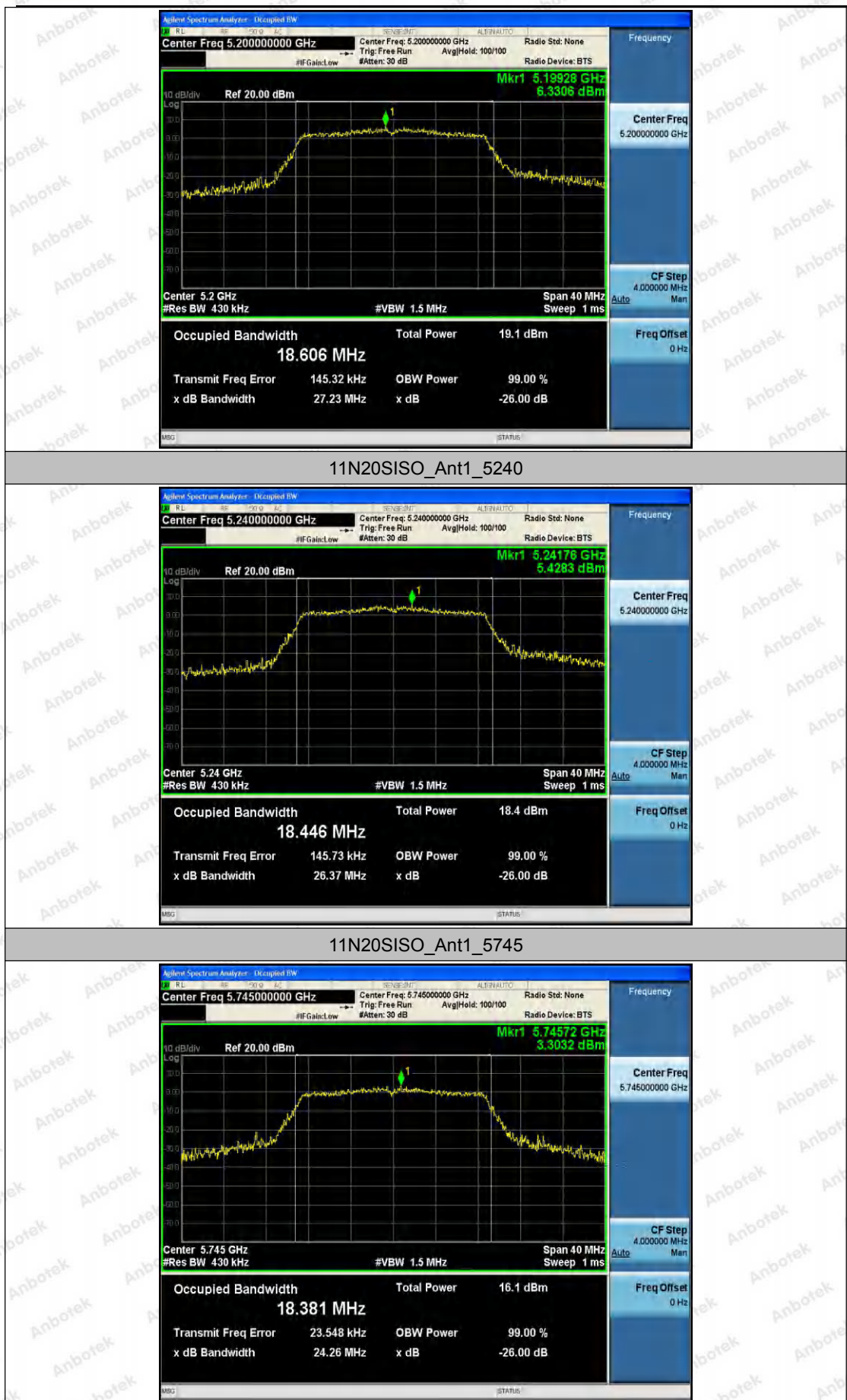
11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



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11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5190

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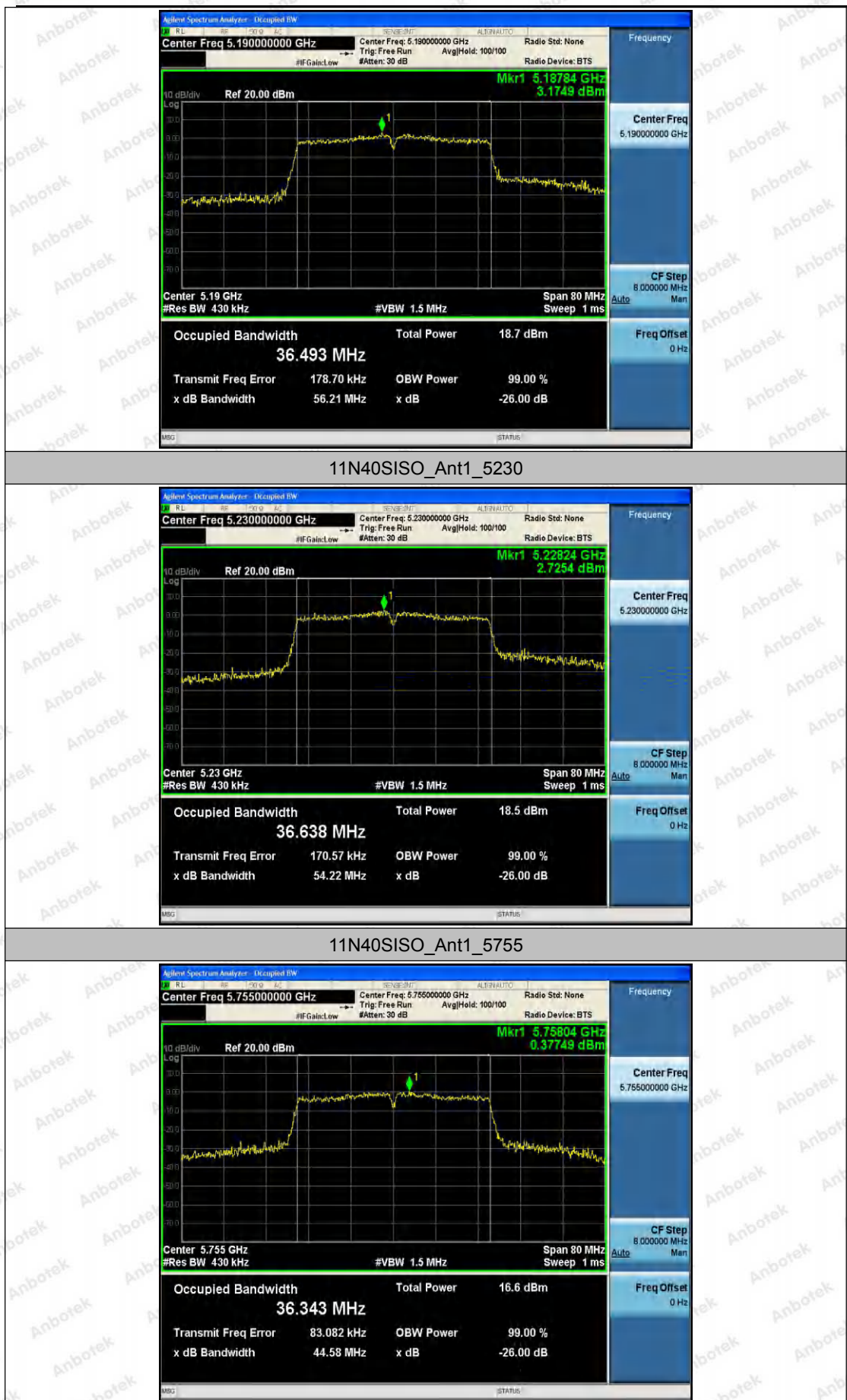
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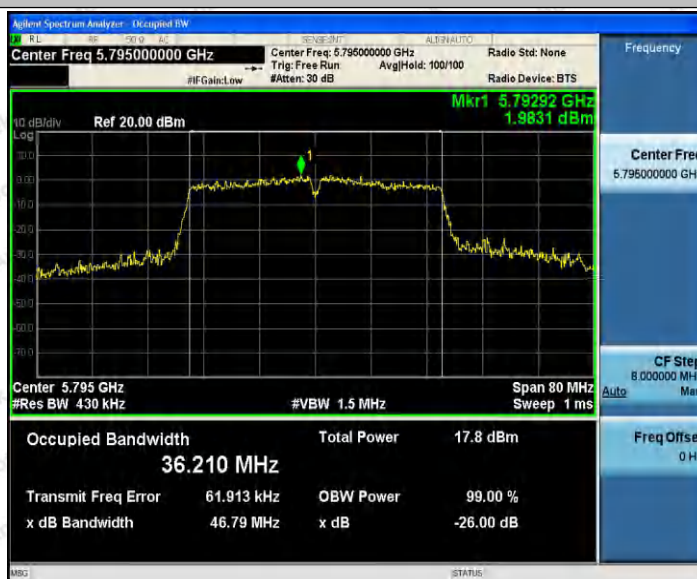
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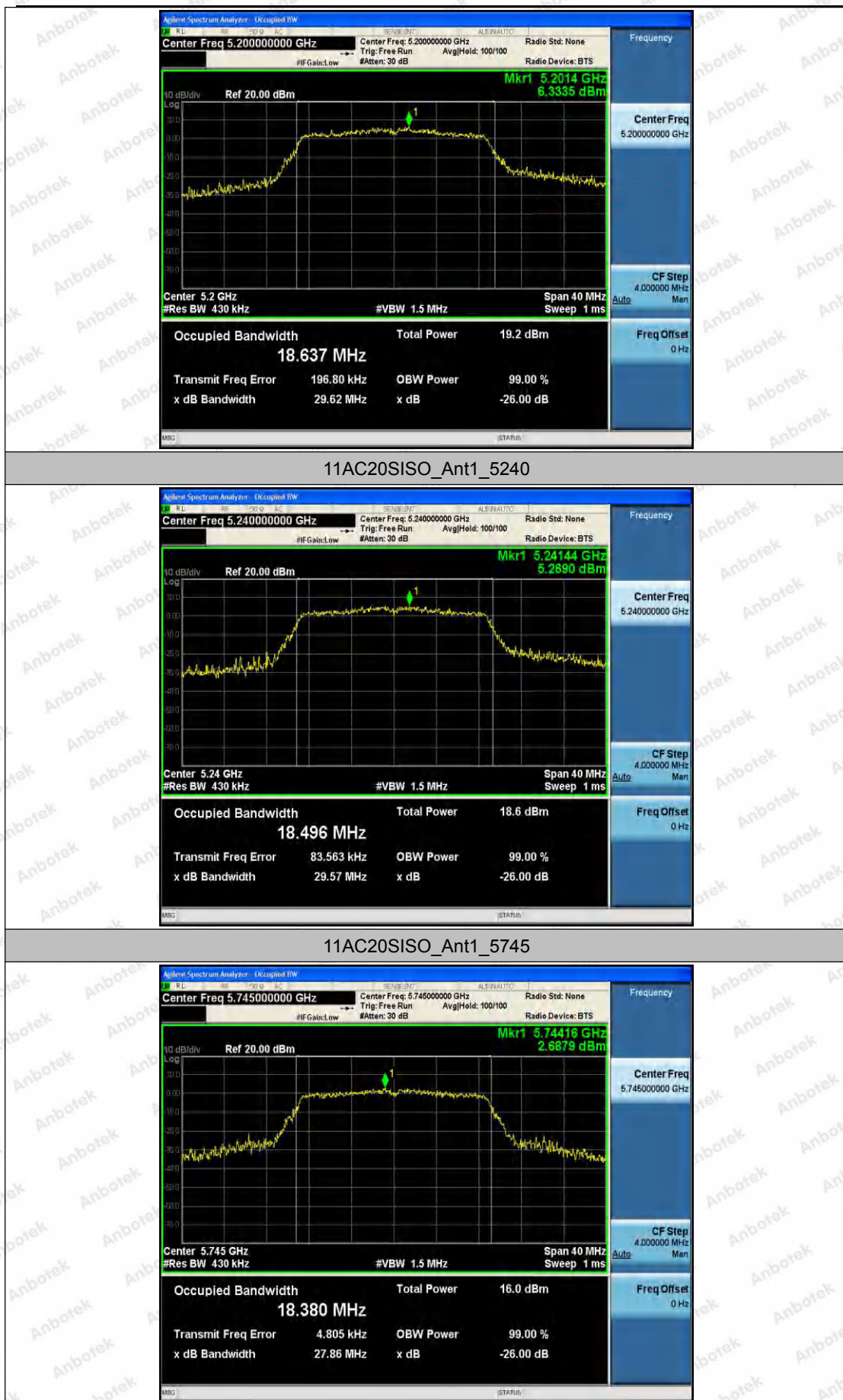
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11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



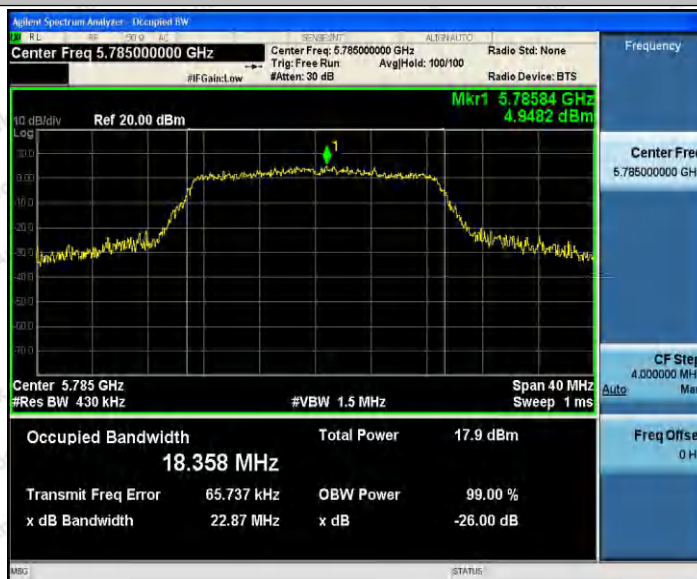
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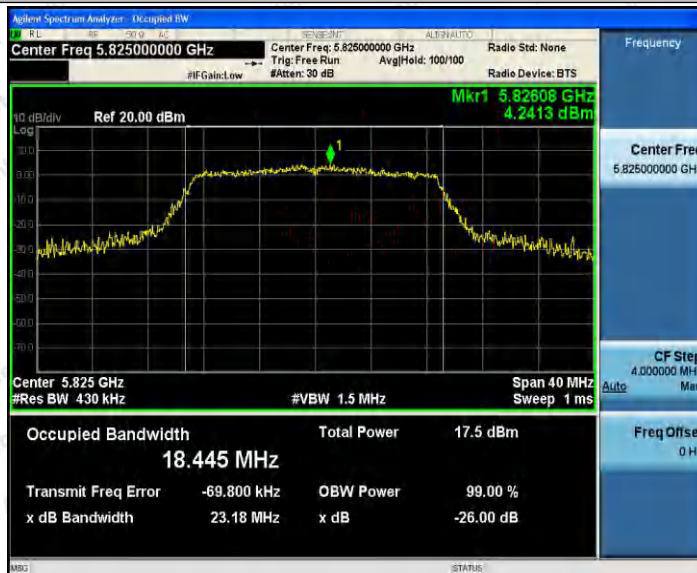
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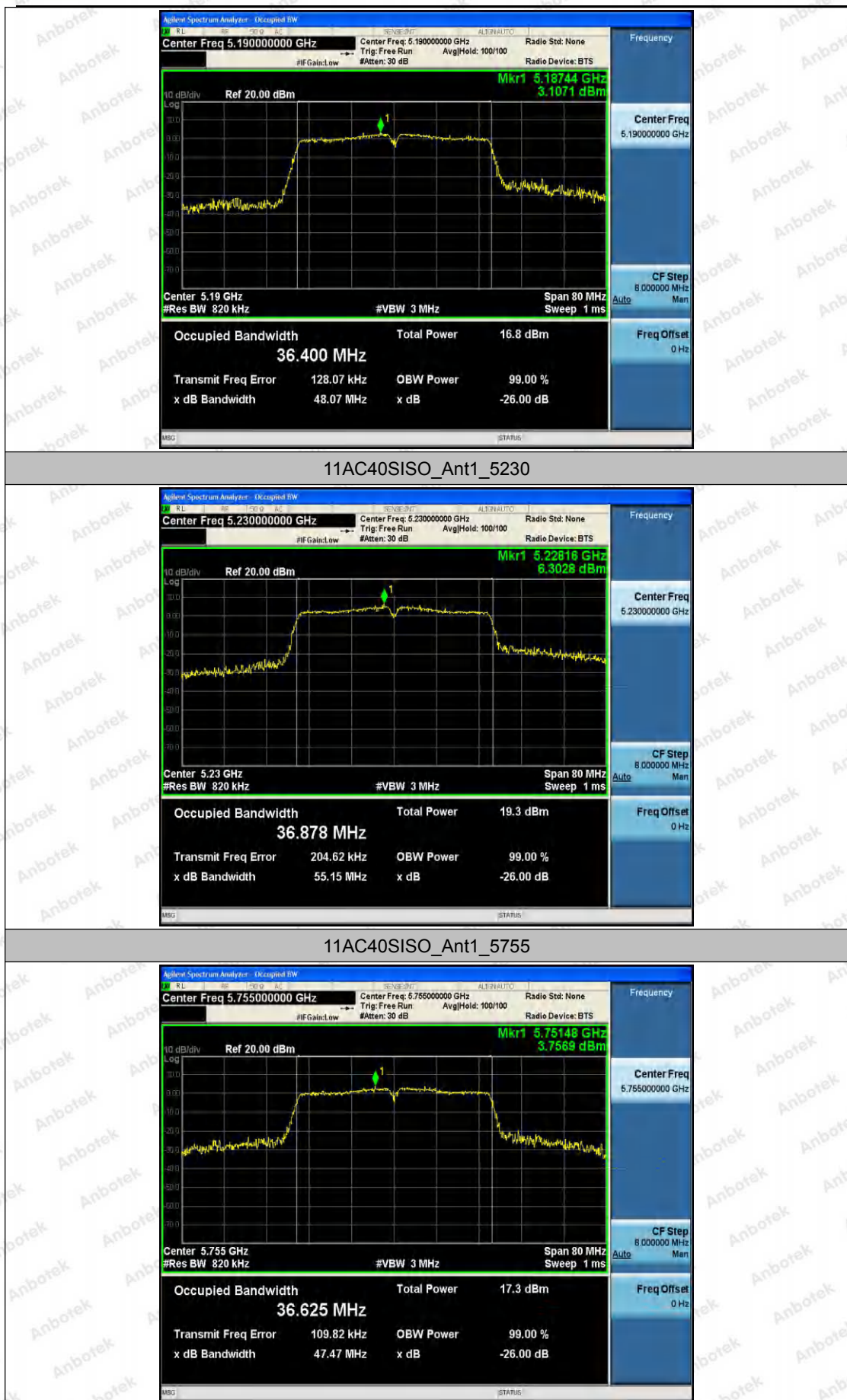
11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5190



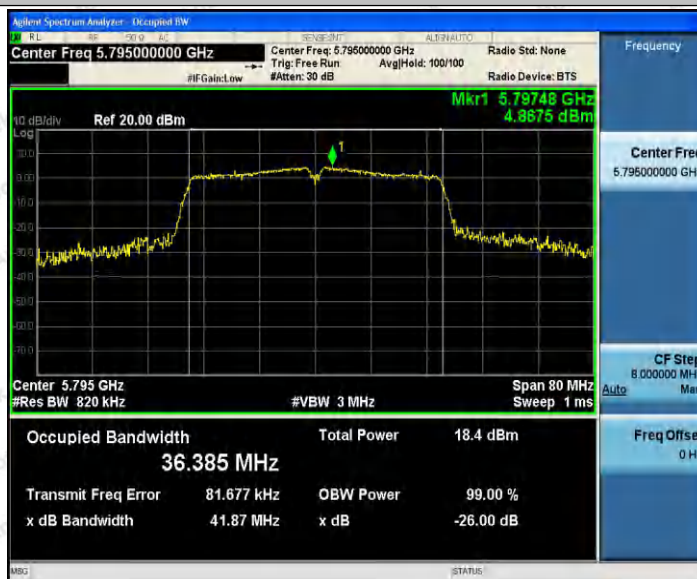
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11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775



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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	16.360	5736.840	5753.200	0.5	PASS
		5785	16.120	5777.080	5793.200	0.5	PASS
		5825	16.360	5816.840	5833.200	0.5	PASS
11N20SI SO	Ant1	5745	16.920	5736.560	5753.480	0.5	PASS
		5785	16.640	5776.840	5793.480	0.5	PASS
		5825	16.400	5816.200	5832.600	0.5	PASS
11N40SI SO	Ant1	5755	35.920	5737.320	5773.240	0.5	PASS
		5795	35.440	5777.400	5812.840	0.5	PASS
11AC20S ISO	Ant1	5745	17.600	5736.240	5753.840	0.5	PASS
		5785	16.760	5776.440	5793.200	0.5	PASS
		5825	16.880	5816.560	5833.440	0.5	PASS
11AC40S ISO	Ant1	5755	36.400	5736.840	5773.240	0.5	PASS
		5795	35.600	5777.080	5812.680	0.5	PASS
11AC80S ISO	Ant1	5775	75.520	5737.240	5812.760	0.5	PASS

Test Graphs

11A_Ant1_5745



11A_Ant1_5785



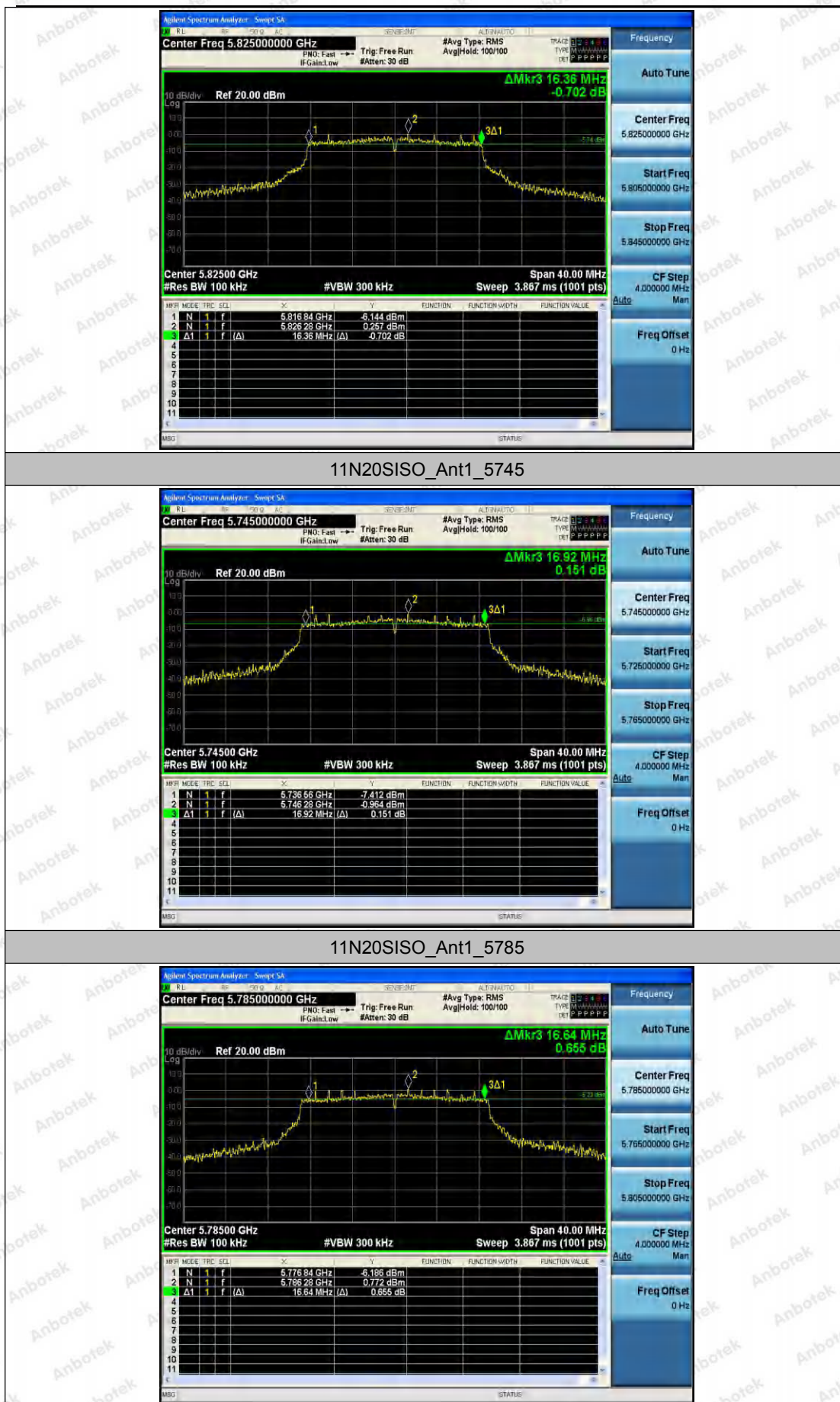
11A_Ant1_5825

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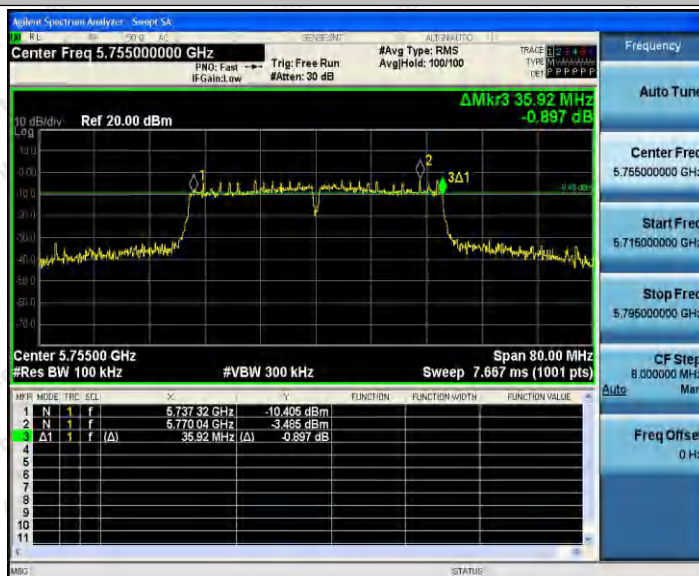
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11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



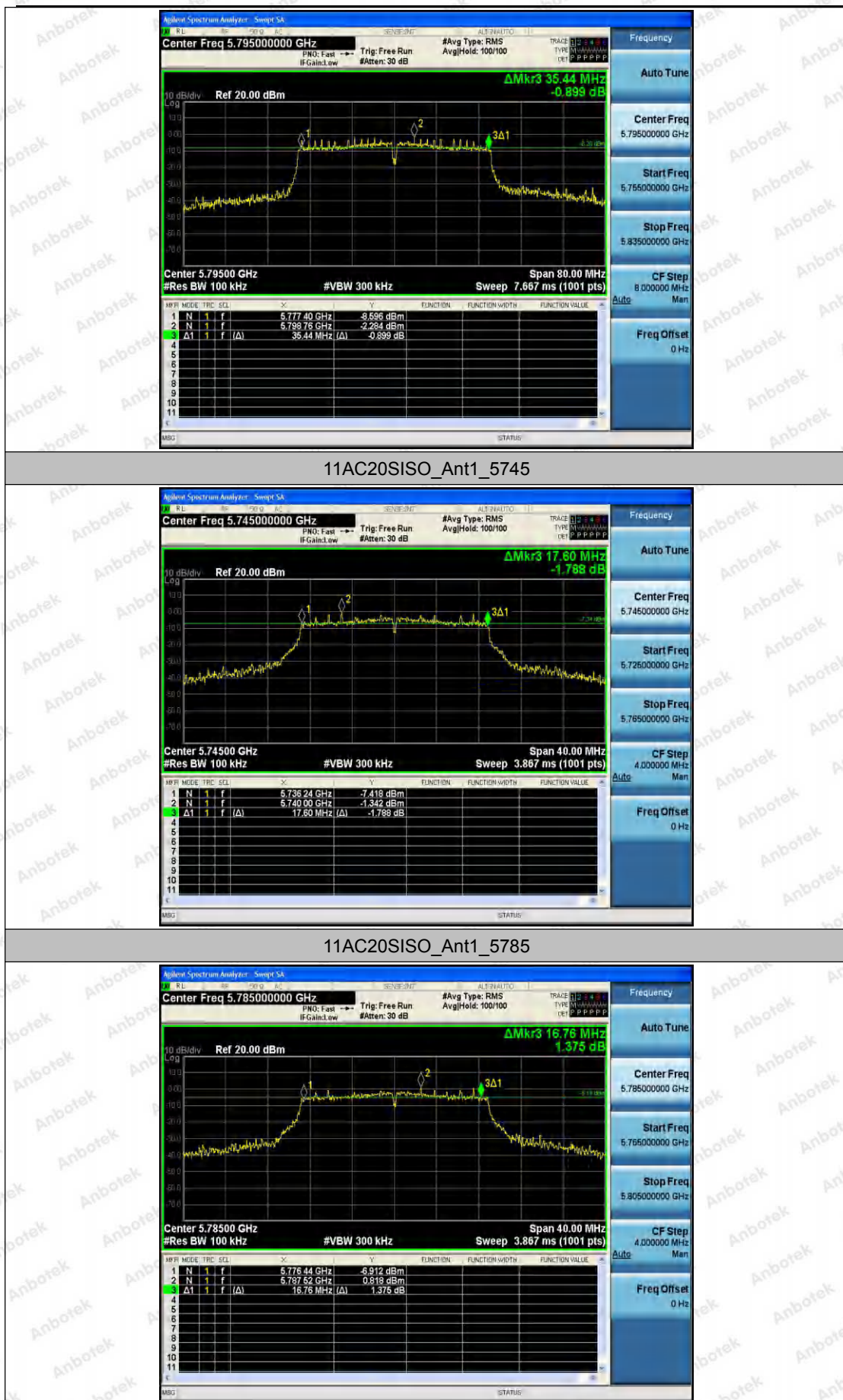
11N40SISO_Ant1_5795

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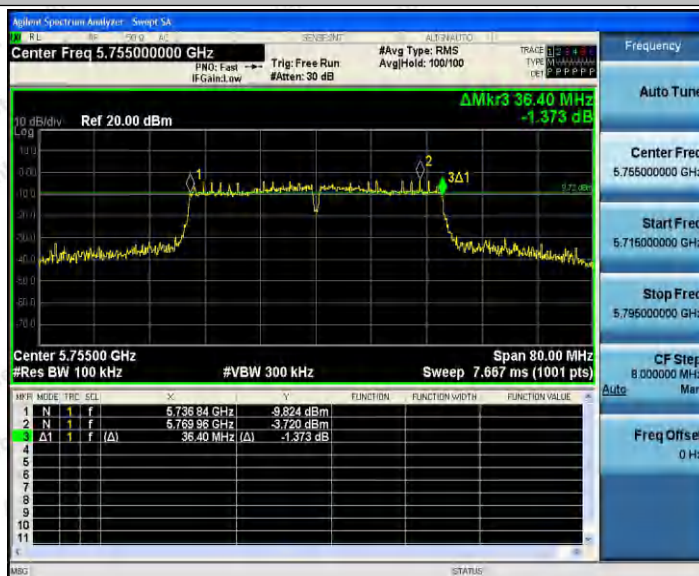
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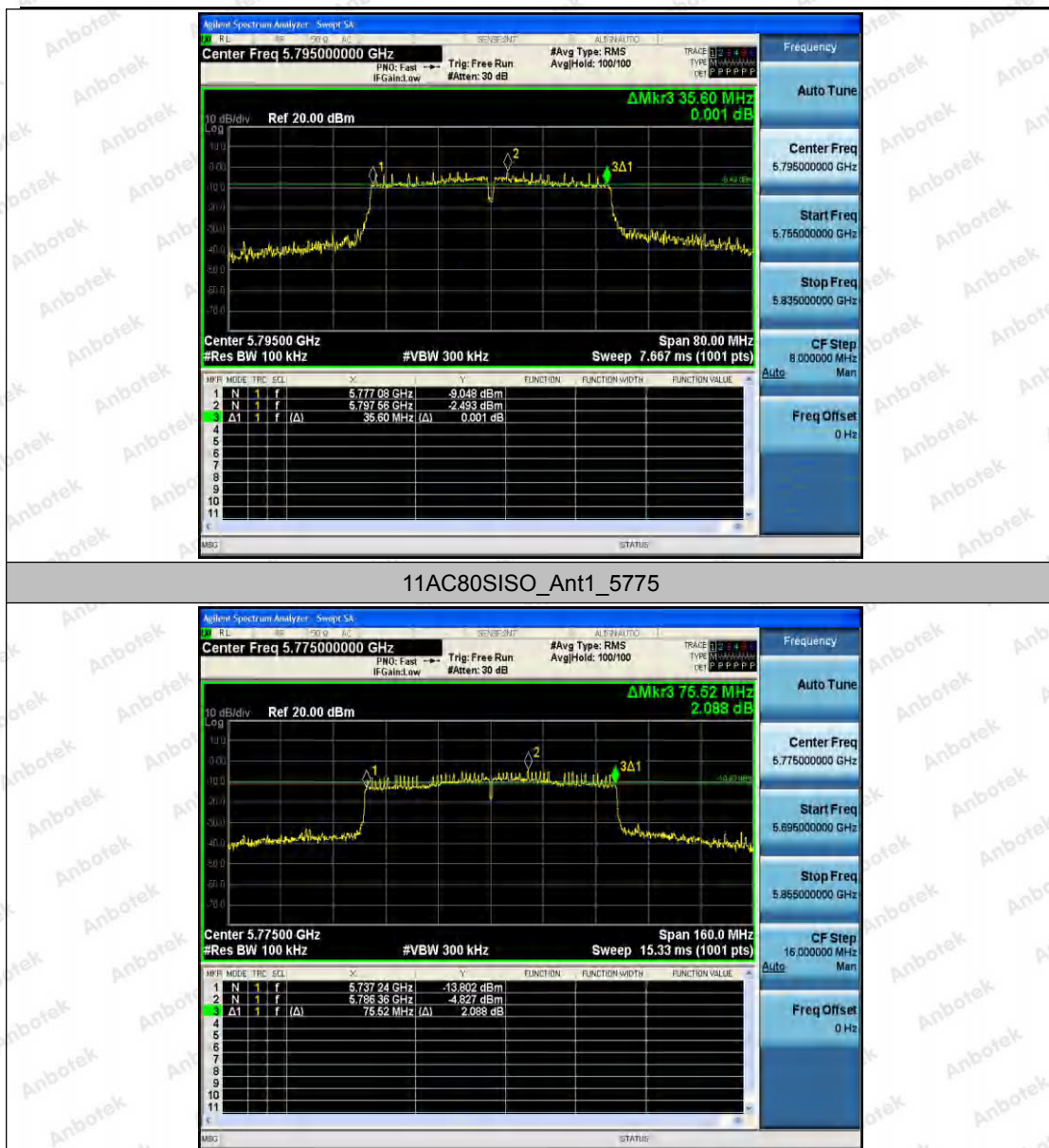
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11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



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Appendix B: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	13.20	≤23.98	PASS
		5200	13.29	≤23.98	PASS
		5240	13.58	≤23.98	PASS
		5745	14.13	≤30	PASS
		5785	14.10	≤30	PASS
		5825	13.74	≤30	PASS
11N20SISO	Ant1	5180	12.89	≤23.98	PASS
		5200	12.86	≤23.98	PASS
		5240	12.25	≤23.98	PASS
		5745	12.21	≤30	PASS
		5785	13.91	≤30	PASS
		5825	13.58	≤30	PASS
11N40SISO	Ant1	5190	12.63	≤23.98	PASS
		5230	12.33	≤23.98	PASS
		5755	13.82	≤30	PASS
		5795	14.91	≤30	PASS
11AC20SISO	Ant1	5180	11.26	≤23.98	PASS
		5200	11.08	≤23.98	PASS
		5240	11.30	≤23.98	PASS
		5745	11.74	≤30	PASS
		5785	11.66	≤30	PASS
		5825	11.24	≤30	PASS
11AC40SISO	Ant1	5190	11.17	≤23.98	PASS
		5230	11.33	≤23.98	PASS
		5755	11.89	≤30	PASS
		5795	11.46	≤30	PASS
11AC80SISO	Ant1	5210	11.83	≤23.98	PASS
		5775	11.52	≤30	PASS

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

Test Graphs





11A_Ant1_5745



11A_Ant1_5785



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11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N20SISO_Ant1_5745



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11N40SISO_Ant1_5755



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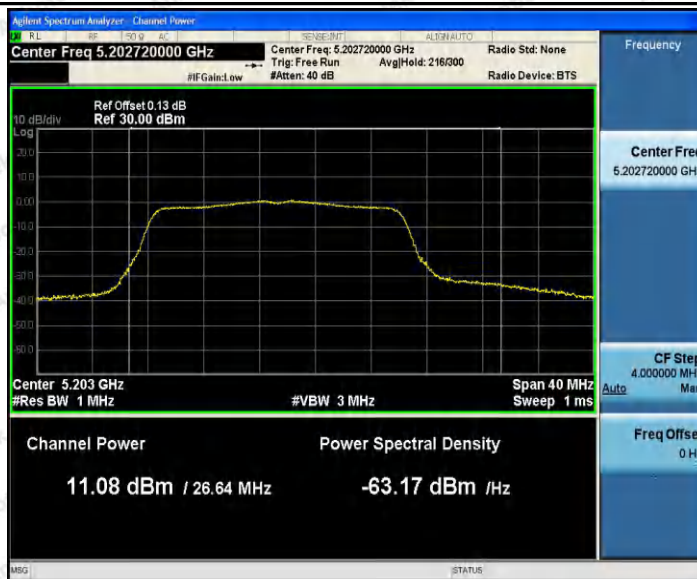
11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5745



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11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755



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Appendix C: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	6.84	≤11	PASS
		5200	7.74	≤11	PASS
		5240	6.95	≤11	PASS
11N20SISO	Ant1	5180	7.31	≤11	PASS
		5200	6.97	≤11	PASS
		5240	6.05	≤11	PASS
11N40SISO	Ant1	5190	3.52	≤11	PASS
		5230	4.21	≤11	PASS
11AC20SISO	Ant1	5180	5.03	≤11	PASS
		5200	4.78	≤11	PASS
		5240	4.57	≤11	PASS
11AC40SISO	Ant1	5190	1.1	≤11	PASS
		5230	0.86	≤11	PASS
11AC80SISO	Ant1	5210	0.64	≤11	PASS

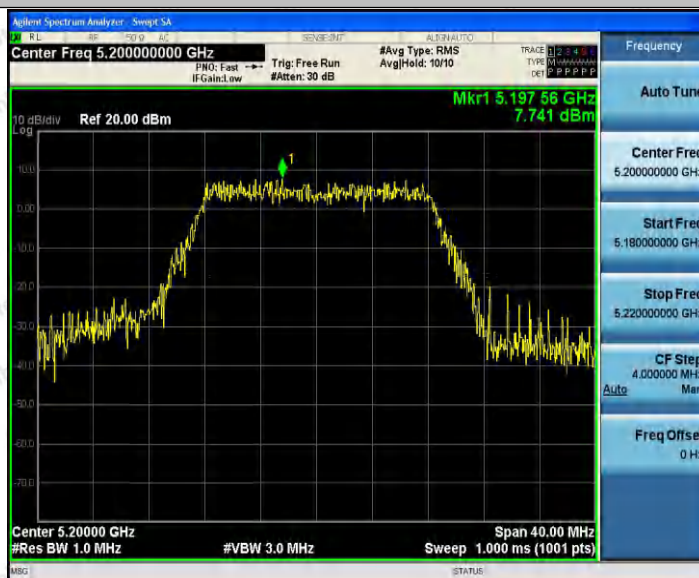
TestMode	Antenna	Channel	Result [dBm/500kHz]	Result [dBm/500kHz]	Verdict
11A	Ant1	5745	-0.41	≤30	PASS
		5785	0.54	≤30	PASS
		5825	-1.61	≤30	PASS
11N20SISO	Ant1	5745	-0.83	≤30	PASS
		5785	1.99	≤30	PASS
		5825	0.03	≤30	PASS
11N40SISO	Ant1	5755	-3.77	≤30	PASS
		5795	0.72	≤30	PASS
11AC20SISO	Ant1	5745	2	≤30	PASS
		5785	2.62	≤30	PASS
		5825	1.84	≤30	PASS
11AC40SISO	Ant1	5755	-1.05	≤30	PASS
		5795	-1.6	≤30	PASS
11AC80SISO	Ant1	5775	-4.33	≤30	PASS

Test Graphs

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240

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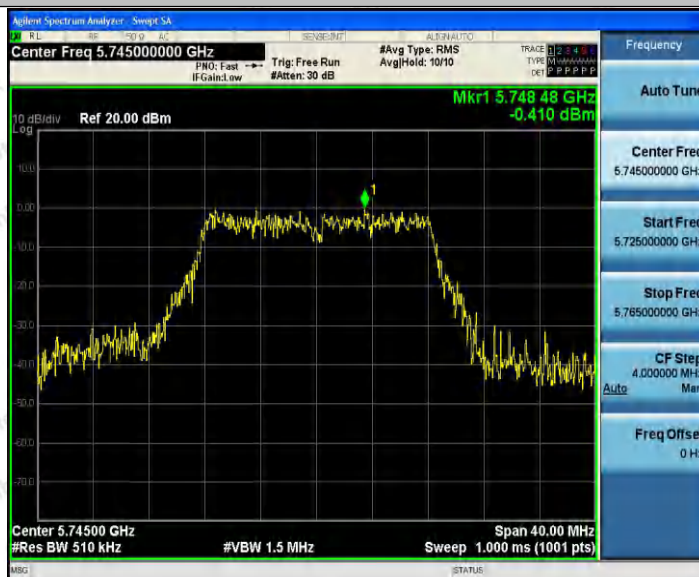
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11A_Ant1_5745



11A_Ant1_5785



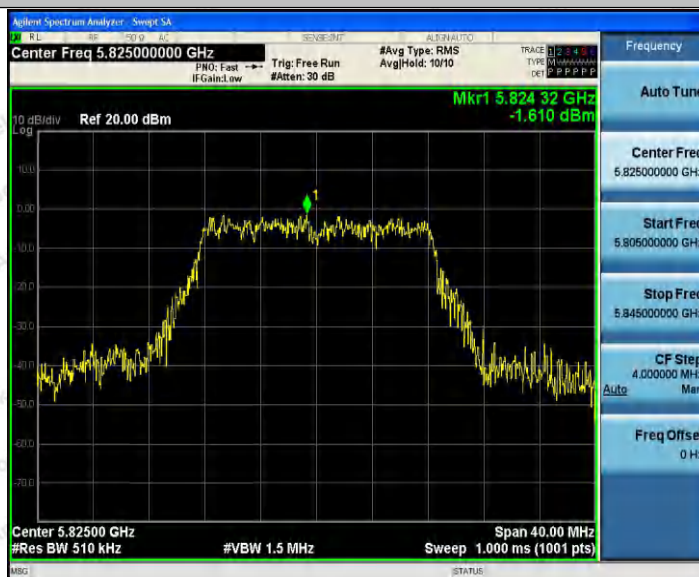
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11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200

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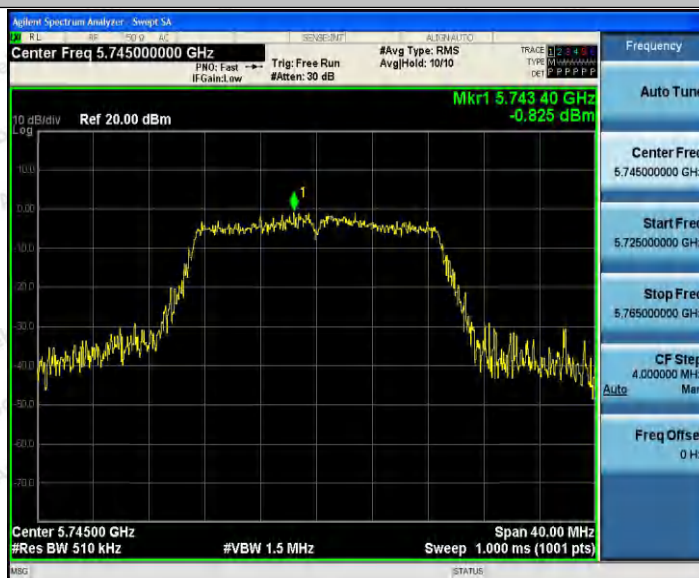
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11N20SISO_Ant1_5240



11N20SISO_Ant1_5745



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11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



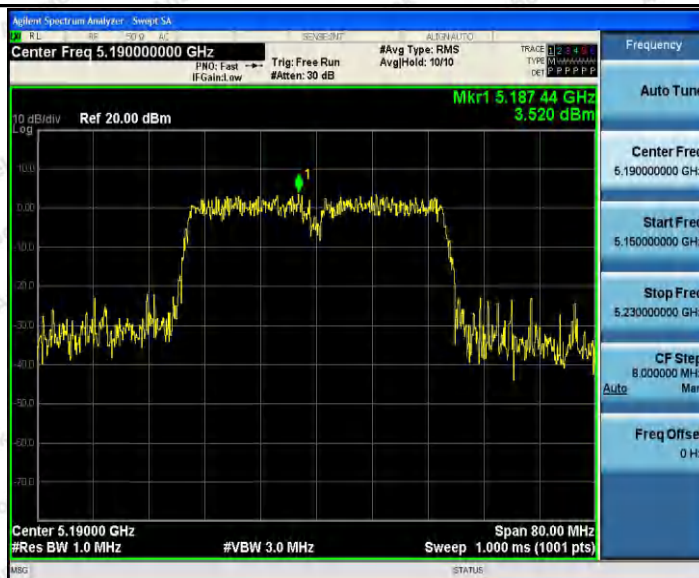
11N40SISO_Ant1_5190

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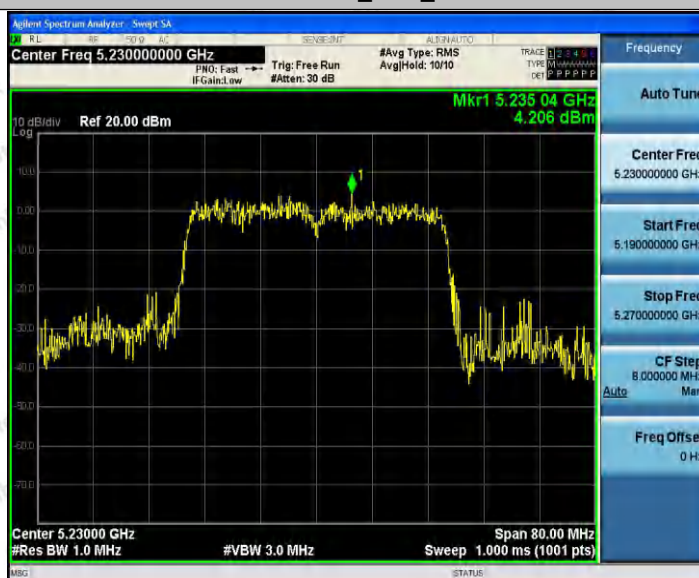
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11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



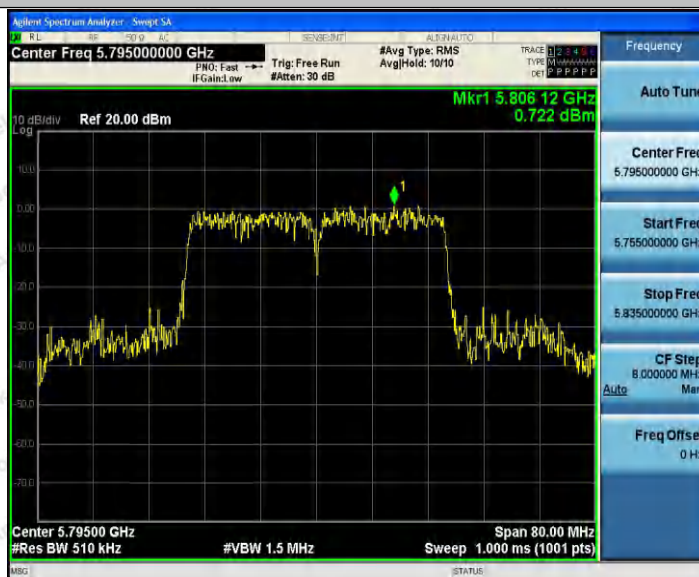
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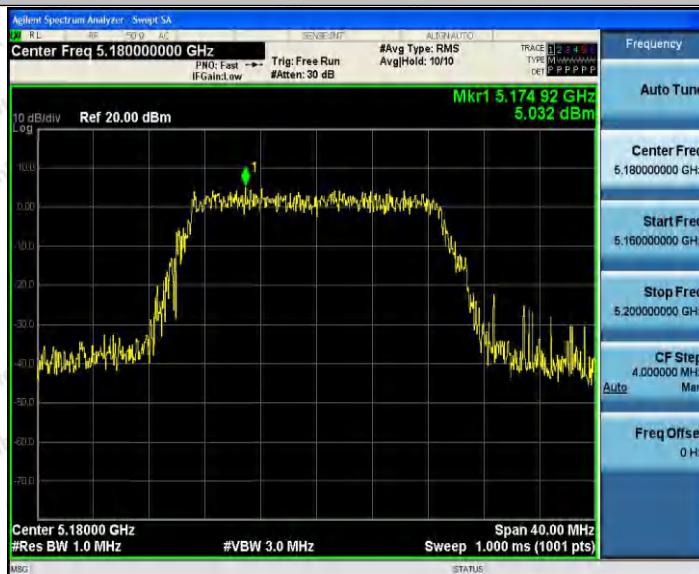
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11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5745

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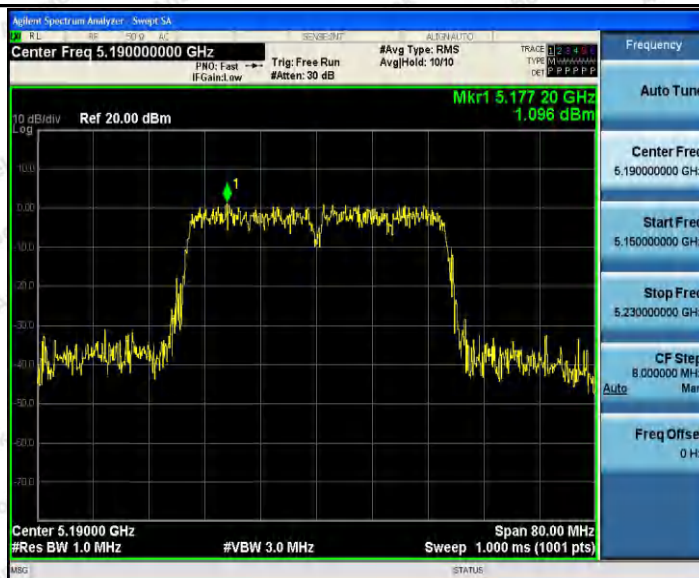


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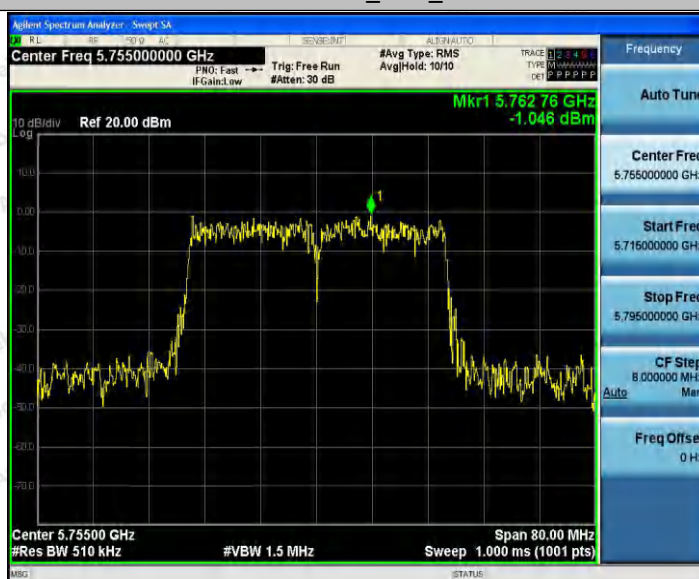




11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5230

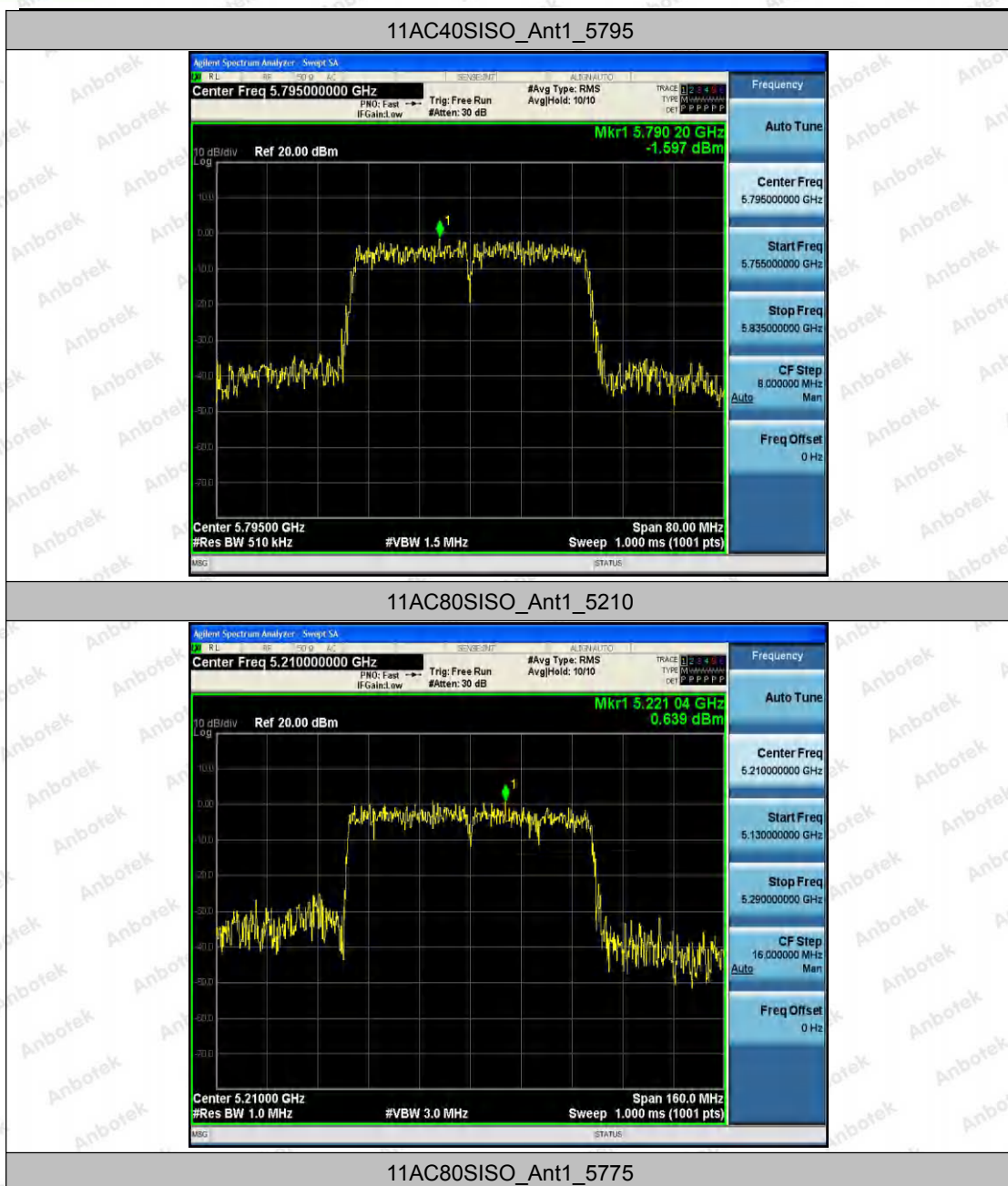


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Appendix D: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-27.49	≤-27	PASS
		High	5240	-44.4	≤-27	PASS
11N20SI SO	Ant1	Low	5180	-28.15	≤-27	PASS
		High	5240	-43.95	≤-27	PASS
11N40SI SO	Ant1	Low	5190	-31.63	≤-27	PASS
		High	5230	-40.16	≤-27	PASS
11AC20S ISO	Ant1	Low	5180	-30.78	≤-27	PASS
		High	5240	-44.66	≤-27	PASS
11AC40S ISO	Ant1	Low	5190	-30.06	≤-27	PASS
		High	5230	-41.74	≤-27	PASS
11AC80S ISO	Ant1	Low	5210	-30.82	≤-27	PASS
		High	5210	-39.12	≤-27	PASS

TestMode	Antenna	ChName	Channel	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-28.84	≤8.15	PASS
				5700~5720	-19.79	≤14.25	PASS
				5720~5725	-13.31	≤23.31	PASS
				5755~5650	-42.92	≤-27	PASS
		High	5825	5850~5855	-29.02	≤17.88	PASS
				5855~5875	-33.13	≤10.90	PASS
				5875~5925	-41.06	≤-26.67	PASS
				5925~5950	-42.59	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-40.35	≤9.18	PASS
				5700~5720	-29.31	≤15.42	PASS
				5720~5725	-22.26	≤26.49	PASS
				5755~5650	-43.01	≤-27	PASS
		High	5825	5850~5855	-33.49	≤16.51	PASS
				5855~5875	-36.1	≤11.44	PASS
				5875~5925	-41.88	≤-22.56	PASS
				5925~5950	-42.39	≤-27	PASS
11N40SI SO	Ant1	Low	5755	5650~5700	-34.78	≤6.98	PASS
				5700~5720	-22.15	≤15.34	PASS
				5720~5725	-22.86	≤24.72	PASS
				5745~5650	-42.39	≤-27	PASS
		High	5795	5850~5855	-36.17	≤15.82	PASS

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				5855~5875	-37.38	≤10.21	PASS
				5875~5925	-41.26	≤-25.79	PASS
				5925~5950	-43.44	≤-27	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-39.35	≤8.26	PASS
				5700~5720	-30.98	≤15.46	PASS
				5720~5725	-25.36	≤25.43	PASS
				5755~5650	-43.78	≤-27	PASS
		High	5825	5850~5855	-30.45	≤20.27	PASS
				5855~5875	-35.73	≤10.94	PASS
				5875~5925	-42.41	≤-24.45	PASS
				5925~5950	-43.85	≤-27	PASS
11AC40S ISO	Ant1	Low	5755	5650~5700	-35.1	≤7.87	PASS
				5700~5720	-24.45	≤13.63	PASS
				5720~5725	-23.77	≤23.08	PASS
				5745~5650	-42.47	≤-27	PASS
		High	5795	5850~5855	-37.73	≤23.75	PASS
				5855~5875	-37.79	≤11.83	PASS
				5875~5925	-38.77	≤-26.12	PASS
				5925~5950	-43.33	≤-27	PASS
11AC80S ISO	Ant1	Low	5775	5650~5700	-25.77	≤9.63	PASS
				5700~5720	-25.18	≤15.17	PASS
				5720~5725	-24.16	≤18.88	PASS
				5765~5650	-37.6	≤-27	PASS
		High	5775	5850~5855	-28.65	≤18.46	PASS
				5855~5875	-29.85	≤11.75	PASS
				5875~5925	-34.36	≤-26.65	PASS
				5925~5950	-41.13	≤-27	PASS

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Test Graphs

11A_Ant1_Low_5180



11A_Ant1_High_5240



11N20SISO_Ant1_Low_5180

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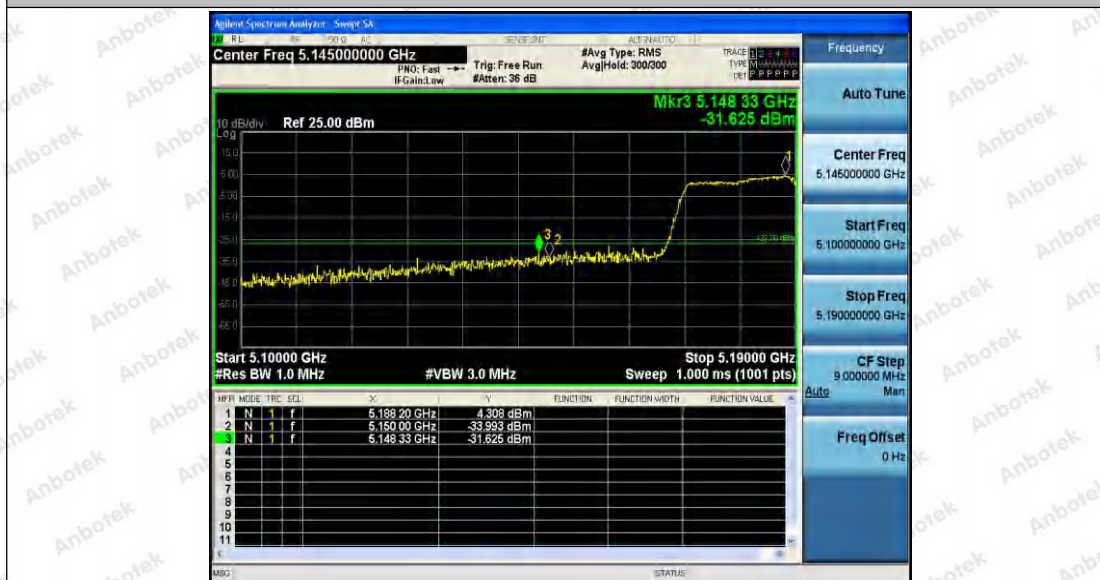
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11N20SISO_Ant1_High_5240



11N40SISO_Ant1_Low_5190



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11N40SISO_Ant1_High_5230



11AC20SISO_Ant1_Low_5180



11AC20SISO_Ant1_High_5240

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11AC40SISO_Ant1_Low_5190



11AC40SISO_Ant1_High_5230



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11AC80SISO_Ant1_Low_5210



11AC80SISO_Ant1_High_5210



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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



11AC40SISO_Ant1_Low_5755



11AC40SISO_Ant1_High_5795



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11AC80SISO_Ant1_Low_5775



11AC80SISO_Ant1_High_5775



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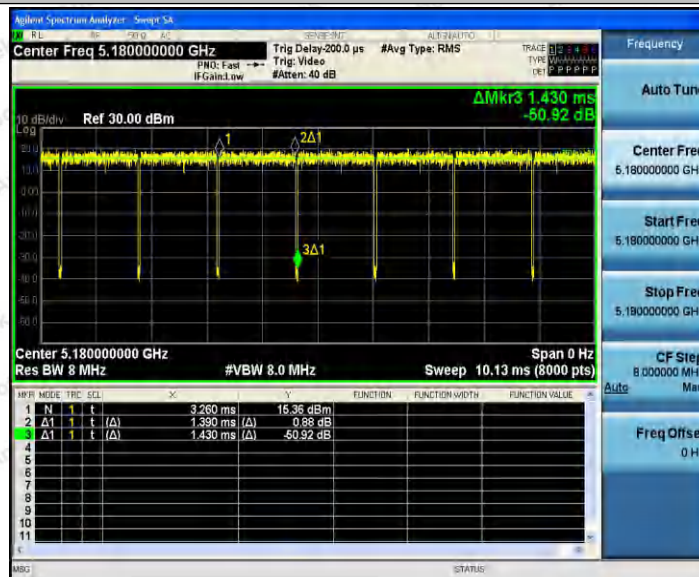
Appendix E: Duty Cycle

Test Result

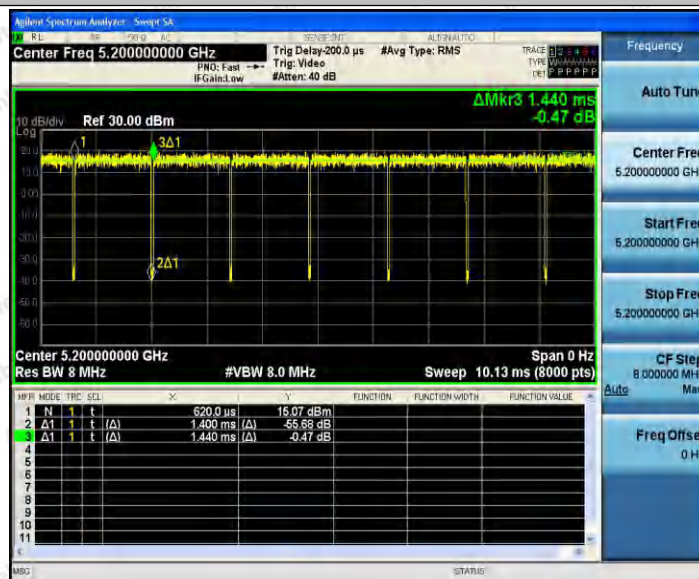
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11A	Ant1	5180	1.39	1.43	97.20	---	PASS
		5200	1.40	1.44	97.22	---	PASS
		5240	1.39	1.43	97.20	---	PASS
		5745	1.39	1.43	97.20	---	PASS
		5785	1.39	1.43	97.20	---	PASS
		5825	1.40	1.44	97.22	---	PASS
11N20SISO	Ant1	5180	1.31	1.35	97.04	---	PASS
		5200	1.30	1.34	97.01	---	PASS
		5240	1.31	1.35	97.04	---	PASS
		5745	1.31	1.35	97.04	---	PASS
		5785	1.31	1.35	97.04	---	PASS
		5825	1.31	1.35	97.04	---	PASS
11N40SISO	Ant1	5190	0.65	0.69	94.20	---	PASS
		5230	0.65	0.69	94.20	---	PASS
		5755	0.64	0.69	92.75	---	PASS
		5795	0.65	0.69	94.20	---	PASS
11AC20SIS O	Ant1	5180	1.31	1.35	97.04	---	PASS
		5200	1.32	1.36	97.06	---	PASS
		5240	1.31	1.36	96.32	---	PASS
		5745	1.31	1.36	96.32	---	PASS
		5785	1.32	1.36	97.06	---	PASS
		5825	1.32	1.36	97.06	---	PASS
11AC40SIS O	Ant1	5190	0.65	0.69	94.20	---	PASS
		5230	0.66	0.70	94.29	---	PASS
		5755	0.66	0.74	89.19	---	PASS
		5795	0.66	0.70	94.29	---	PASS
11AC80SIS O	Ant1	5210	0.33	0.41	80.49	---	PASS
		5775	0.33	0.40	82.50	---	PASS

Test Graphs

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240

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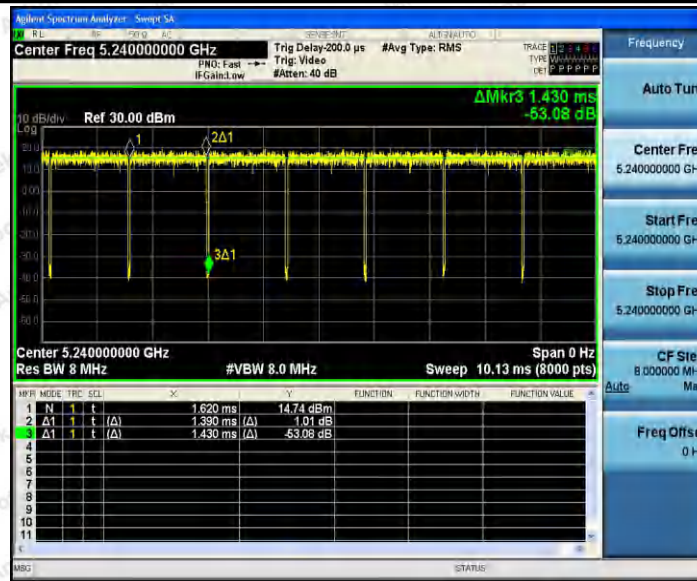
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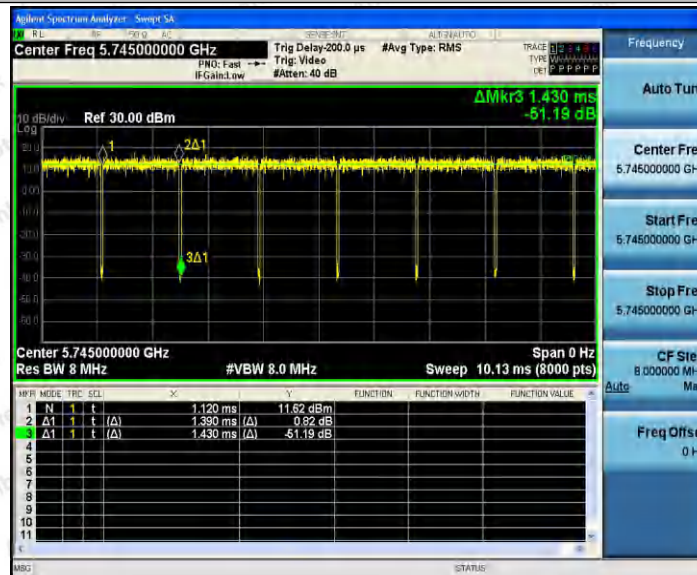
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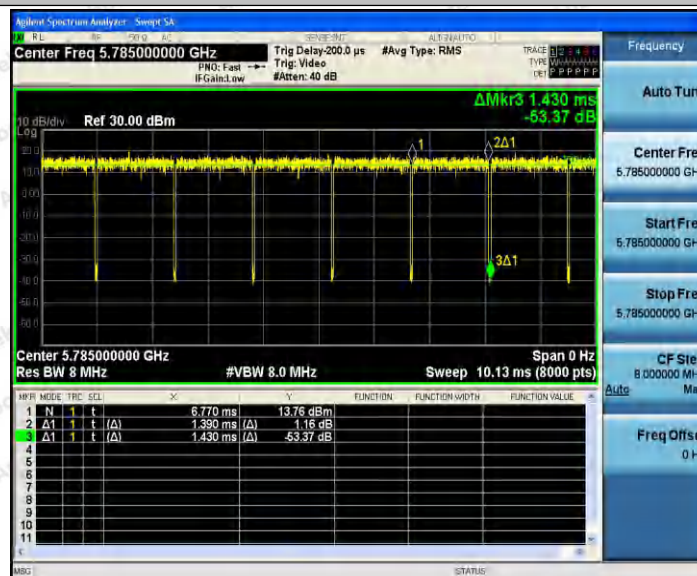
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11A_Ant1_5745



11A_Ant1_5785



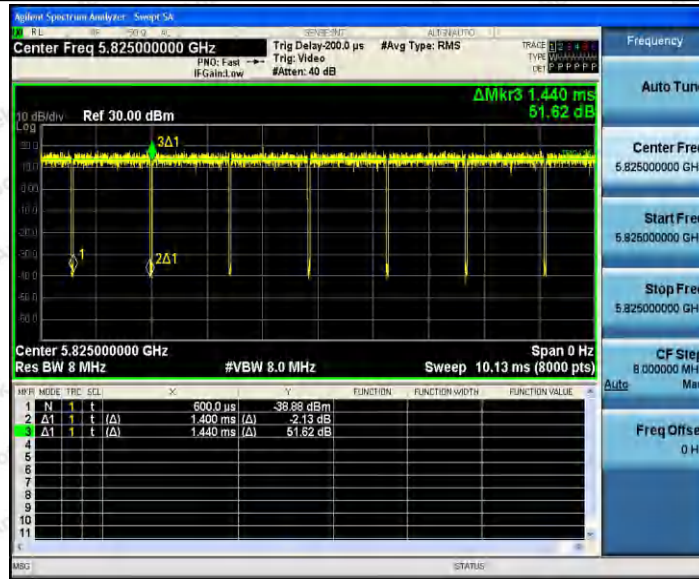
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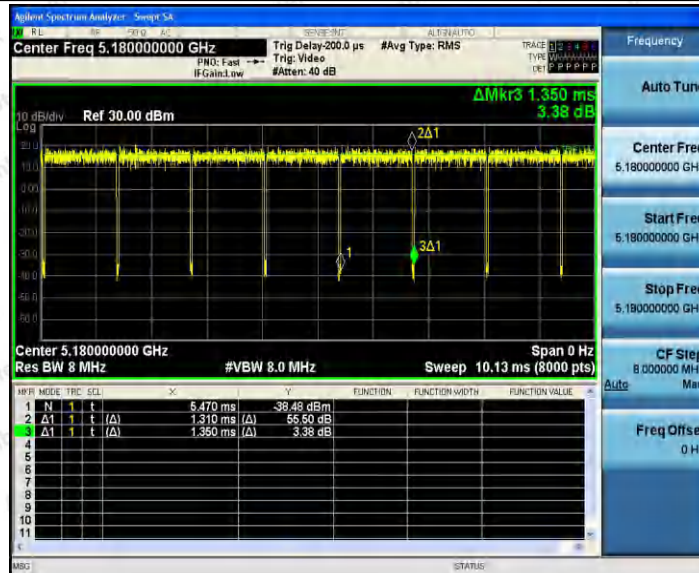
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com

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11A_Ant1_5825



11N20SISO_Ant1_5180



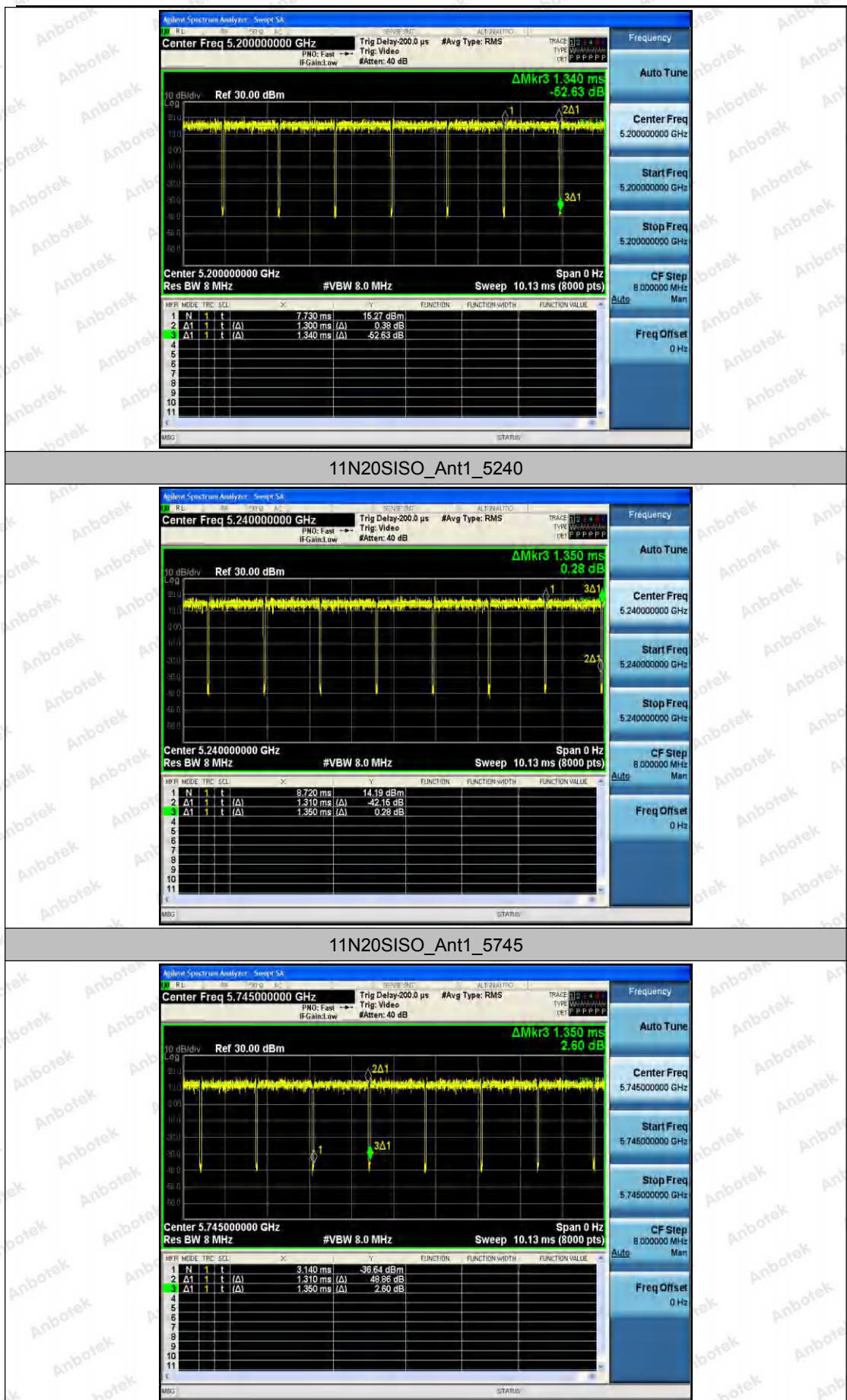
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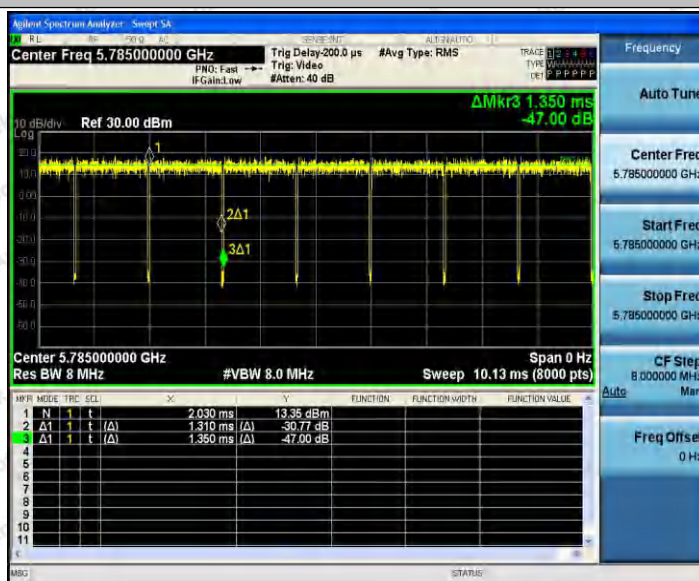
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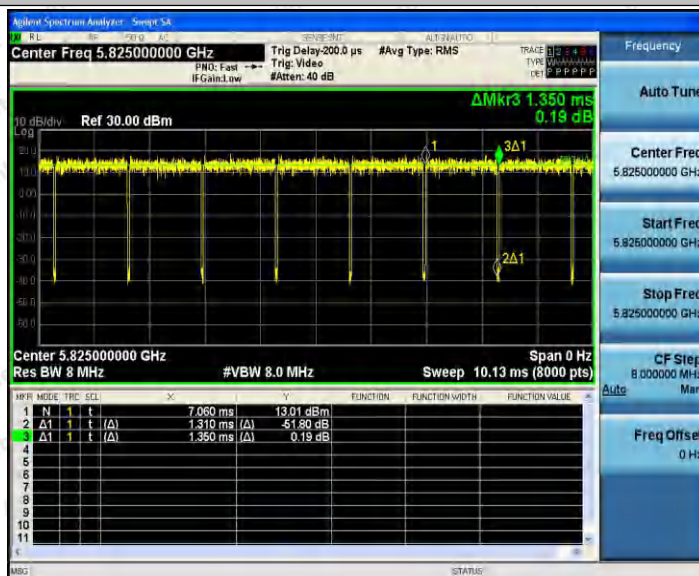
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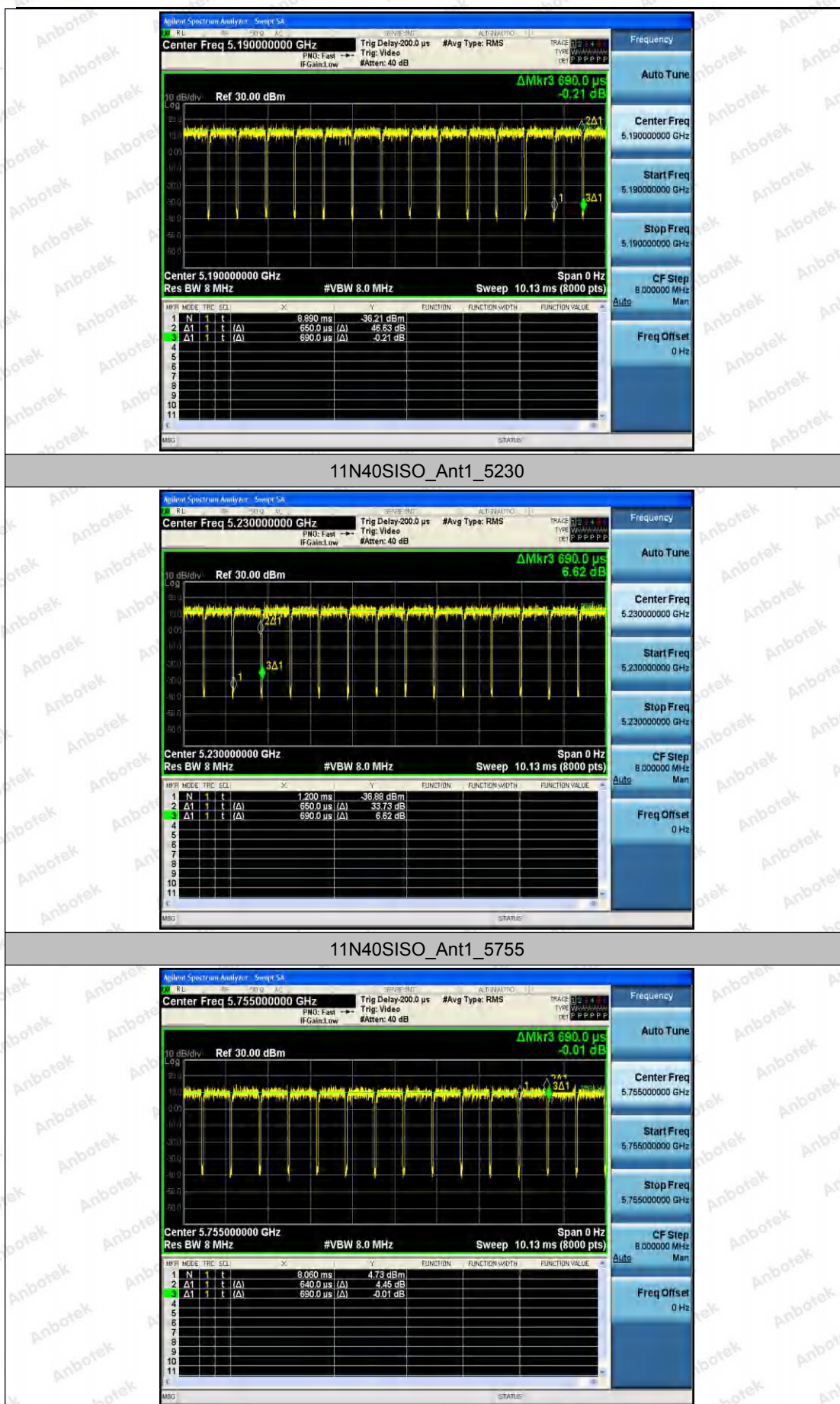
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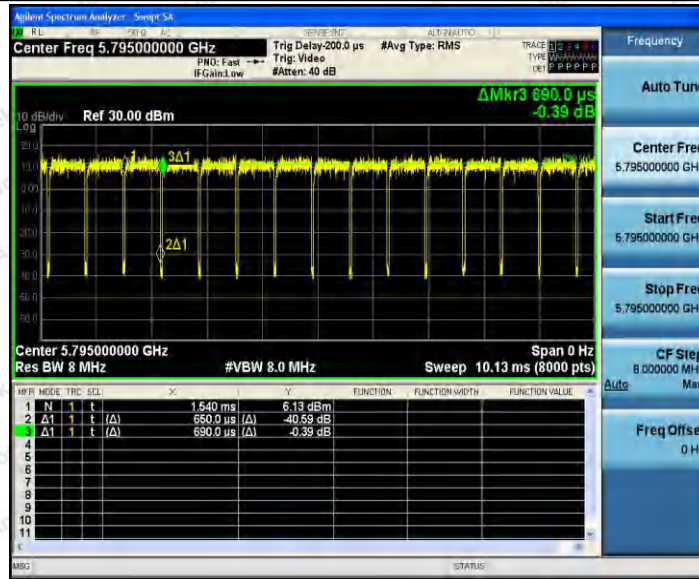
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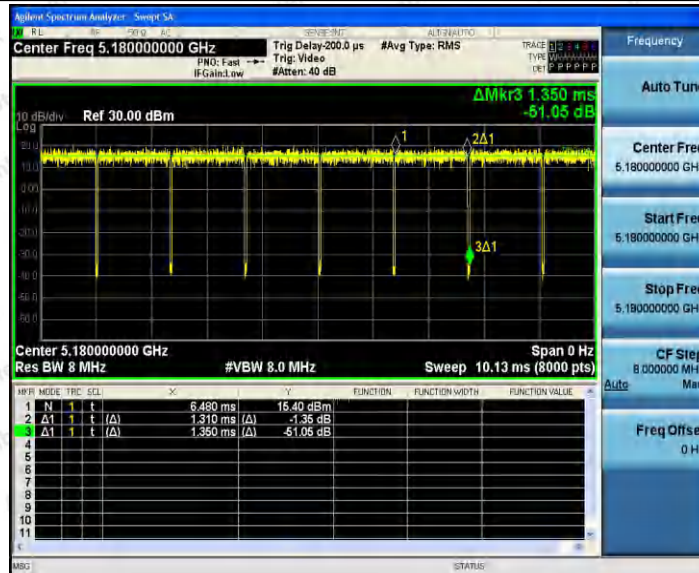
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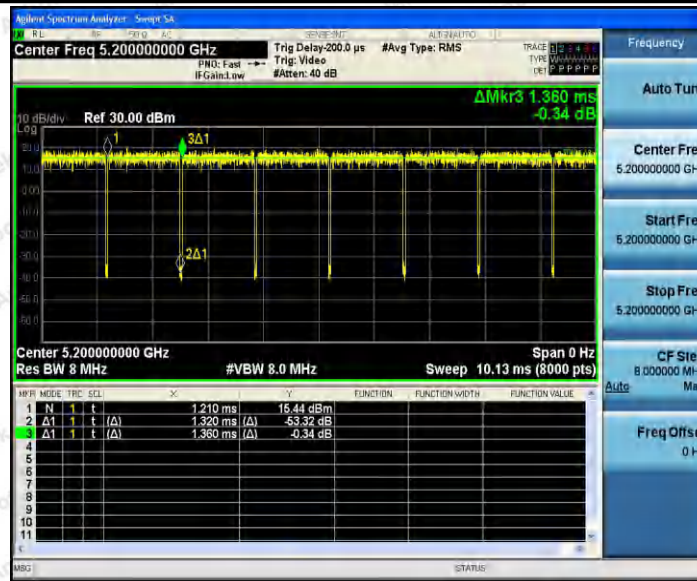
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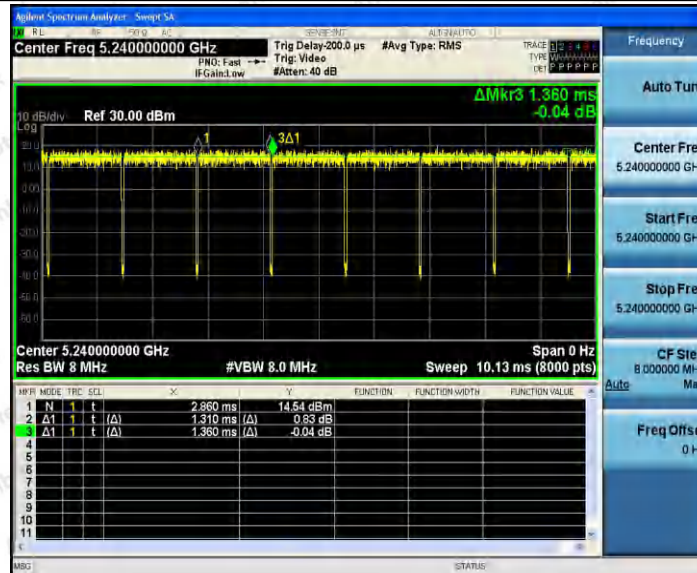
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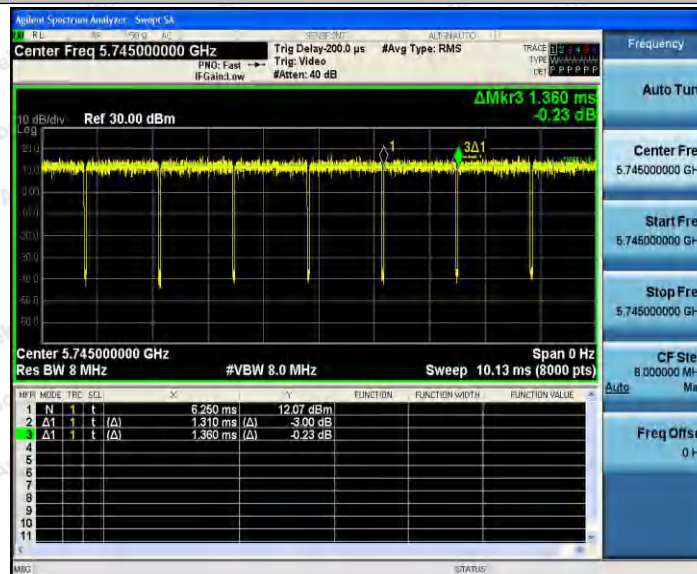
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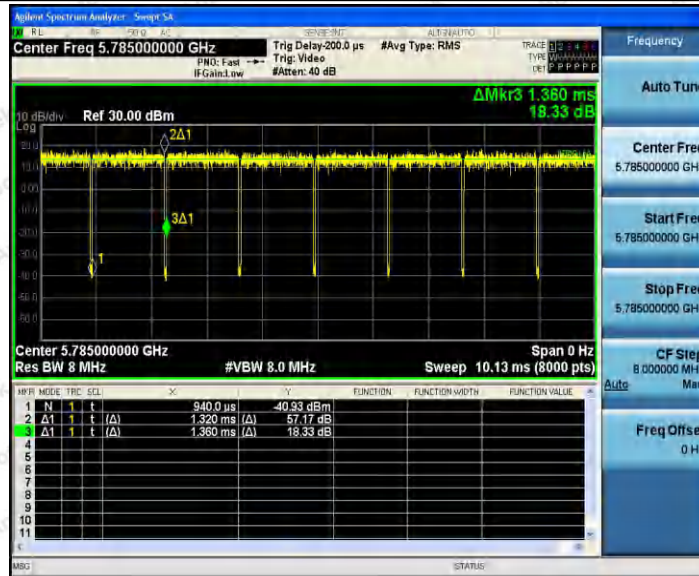
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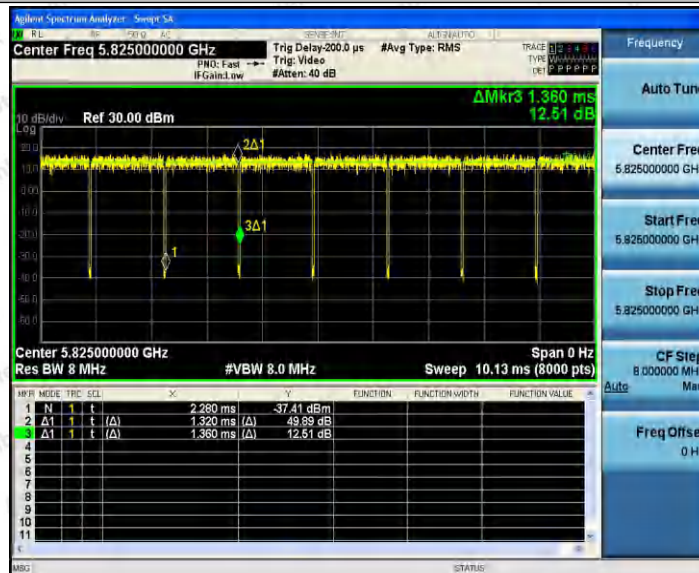
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11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



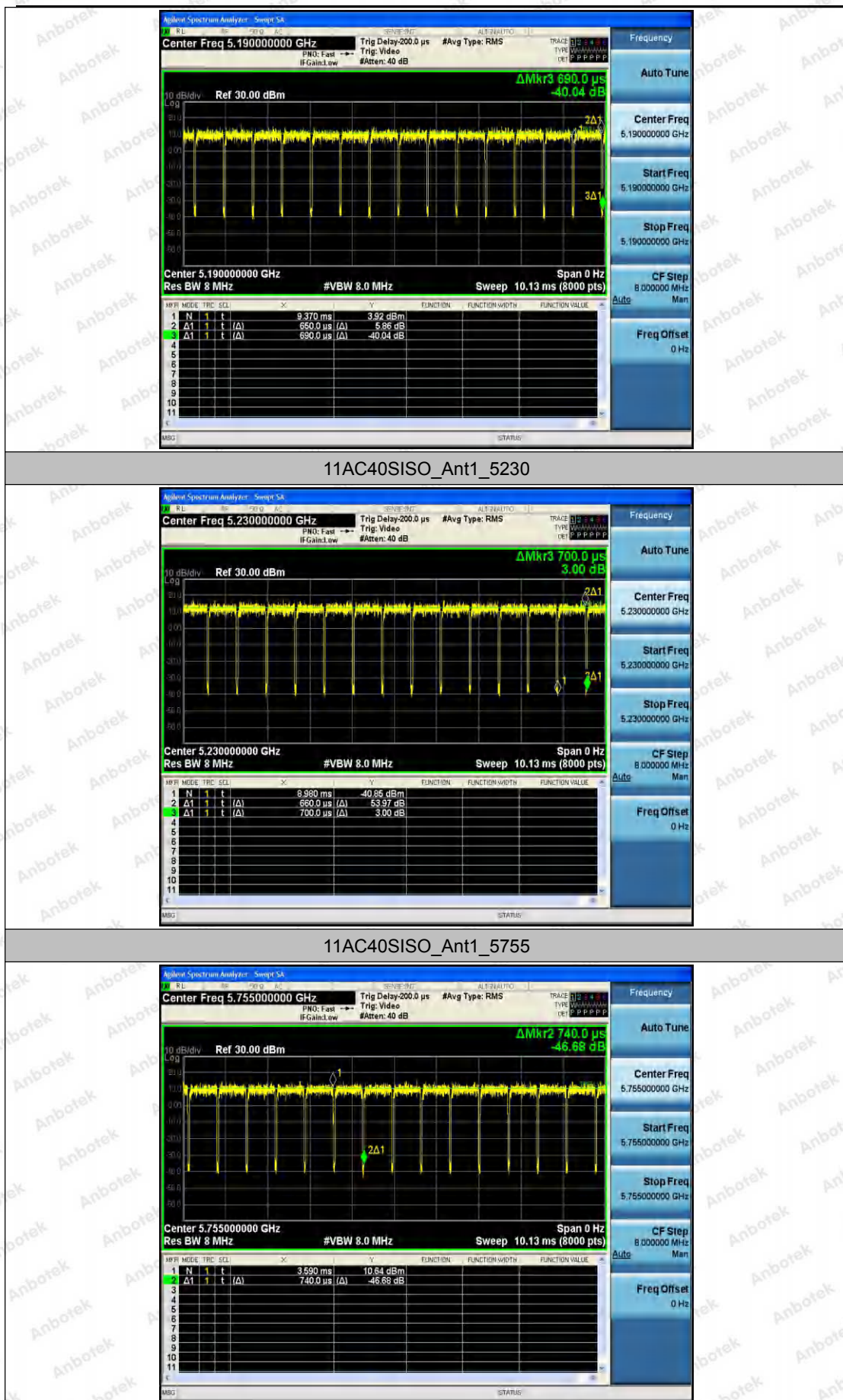
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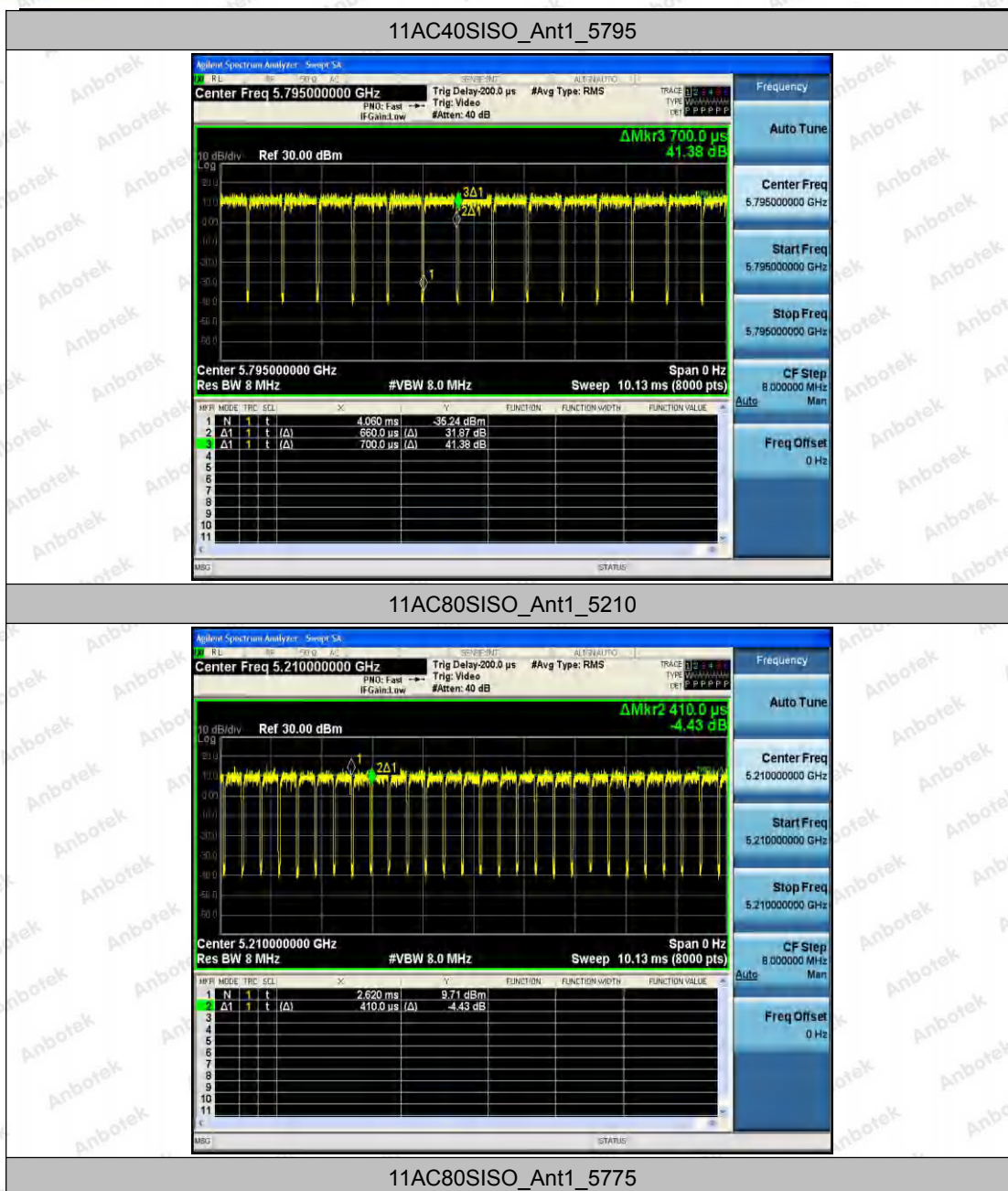


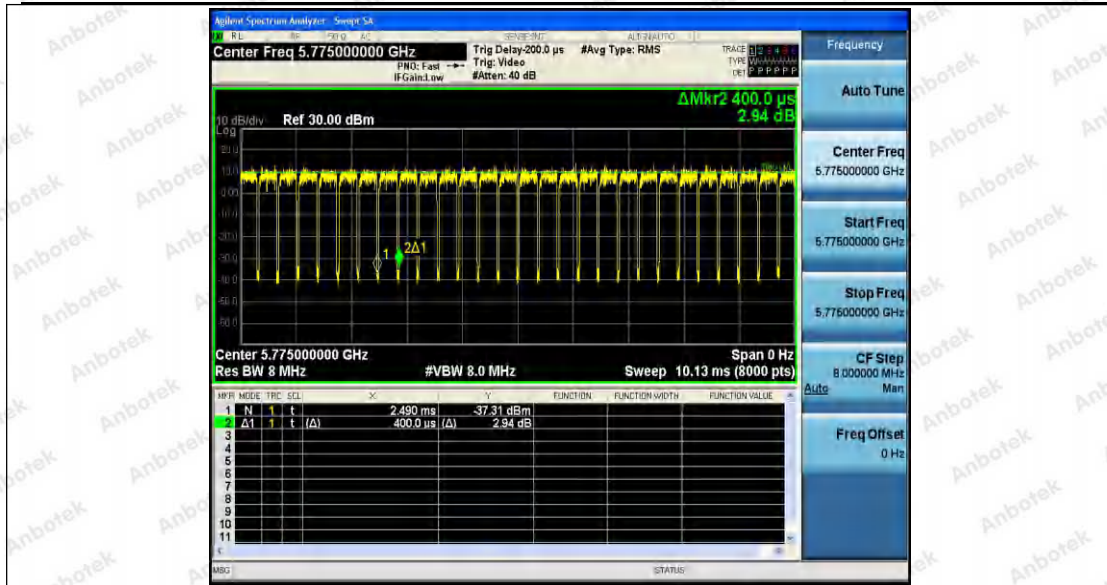
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