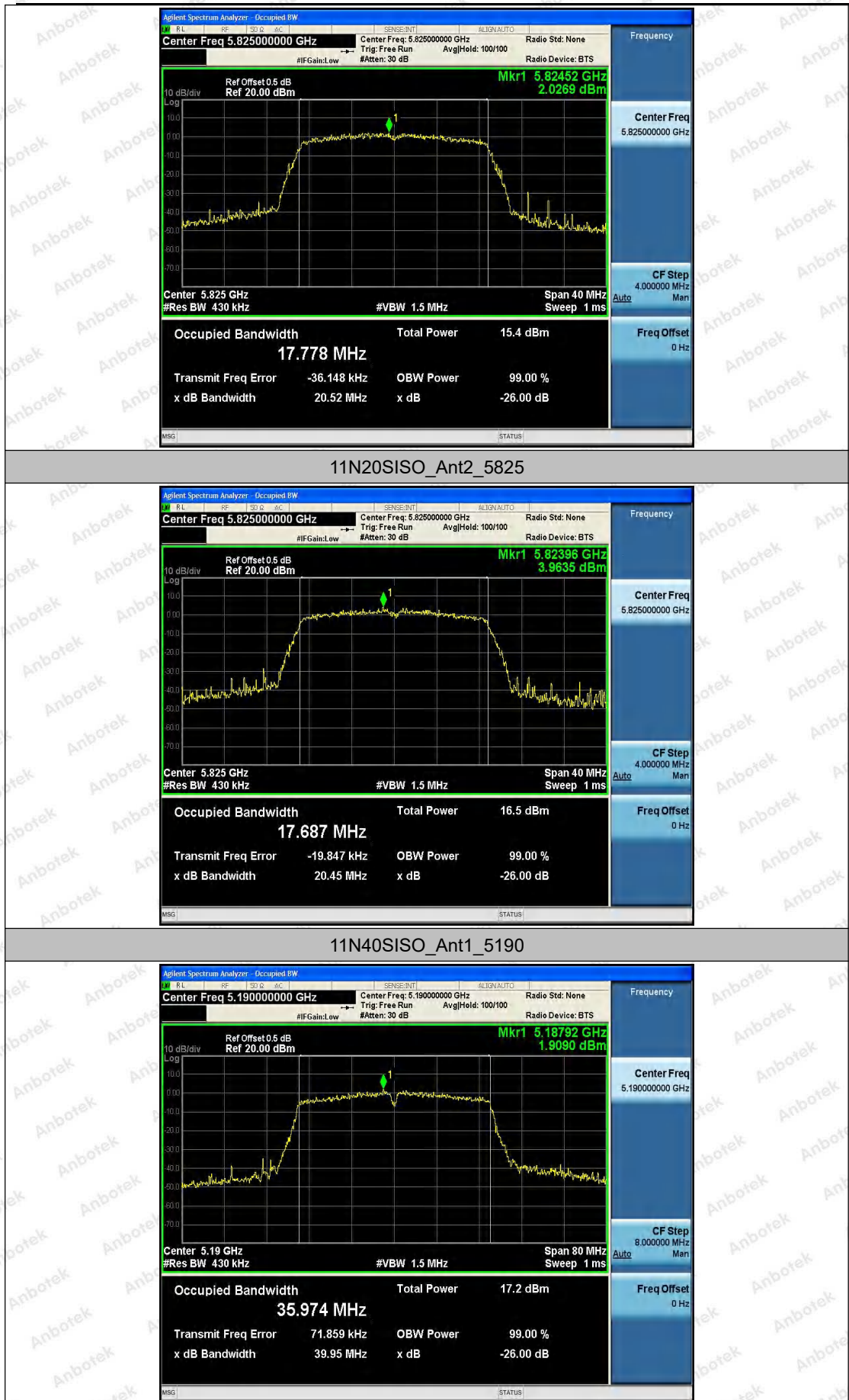




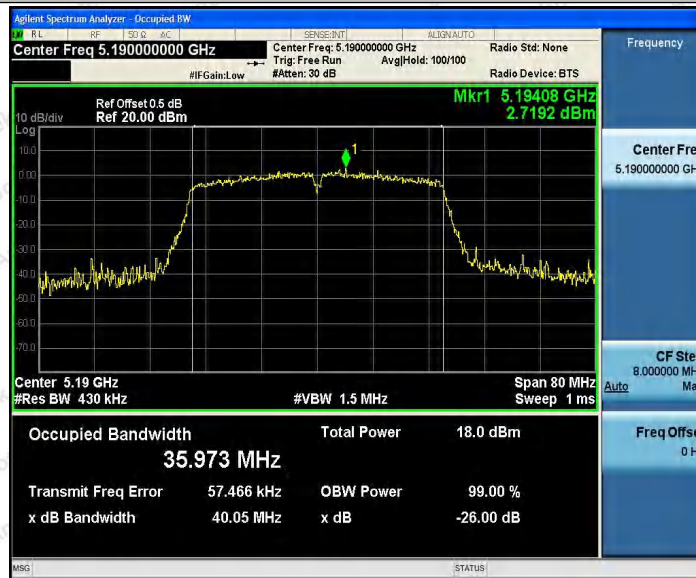
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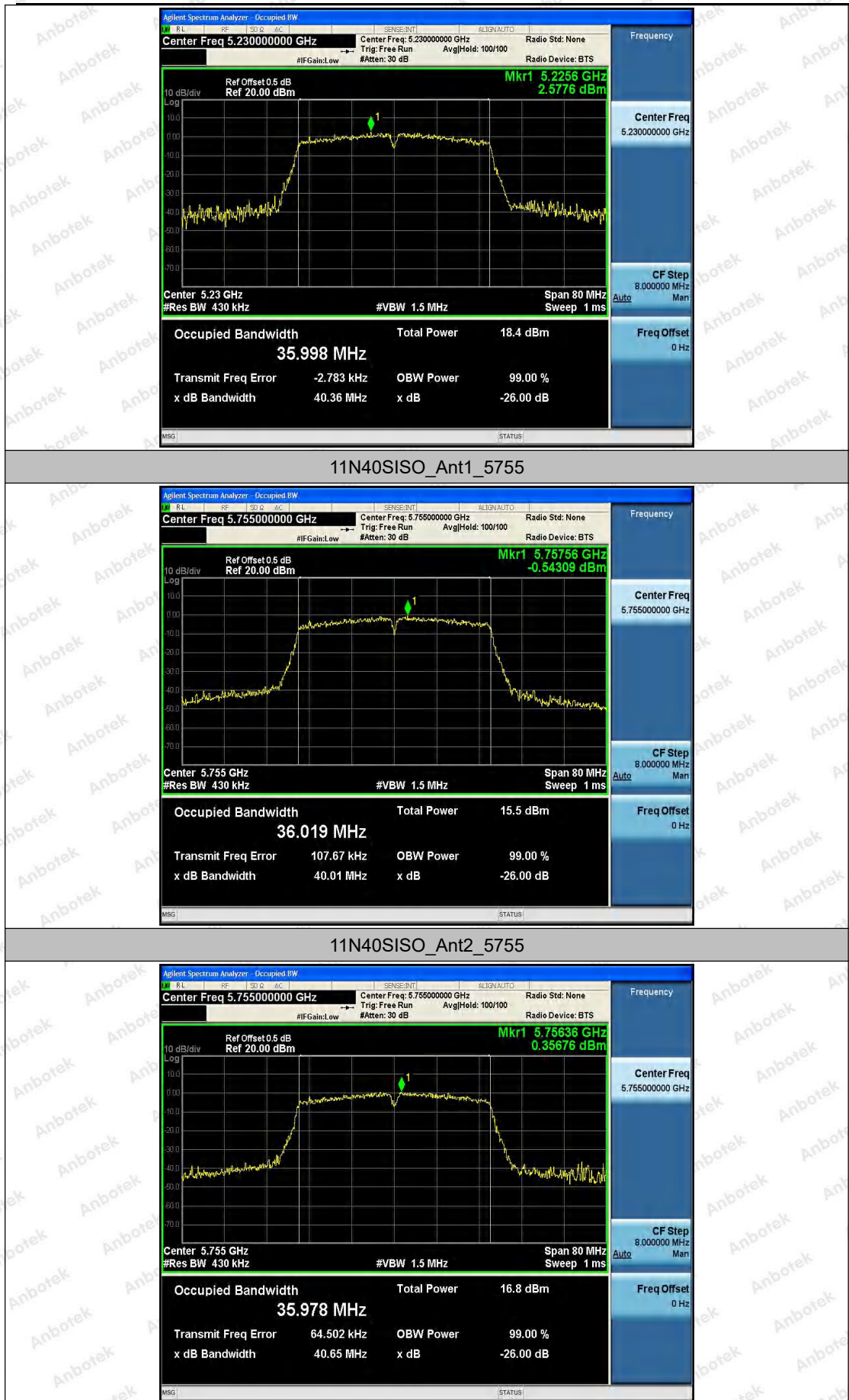
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11N40SISO_Ant1_5230



11N40SISO_Ant2_5230



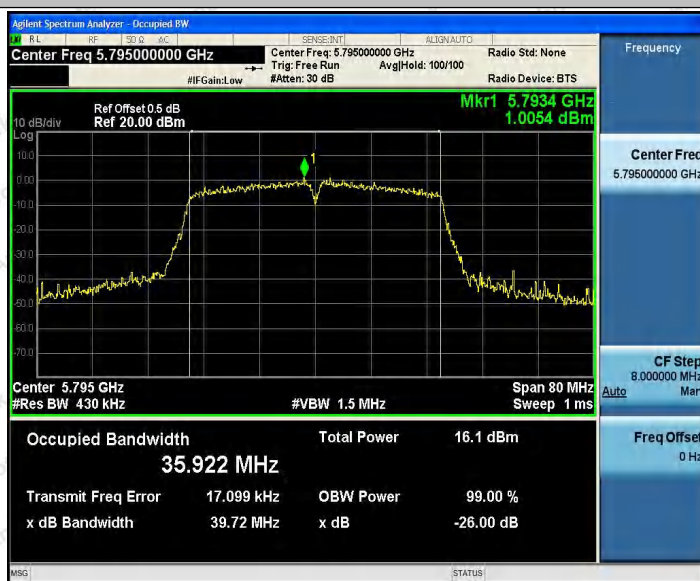
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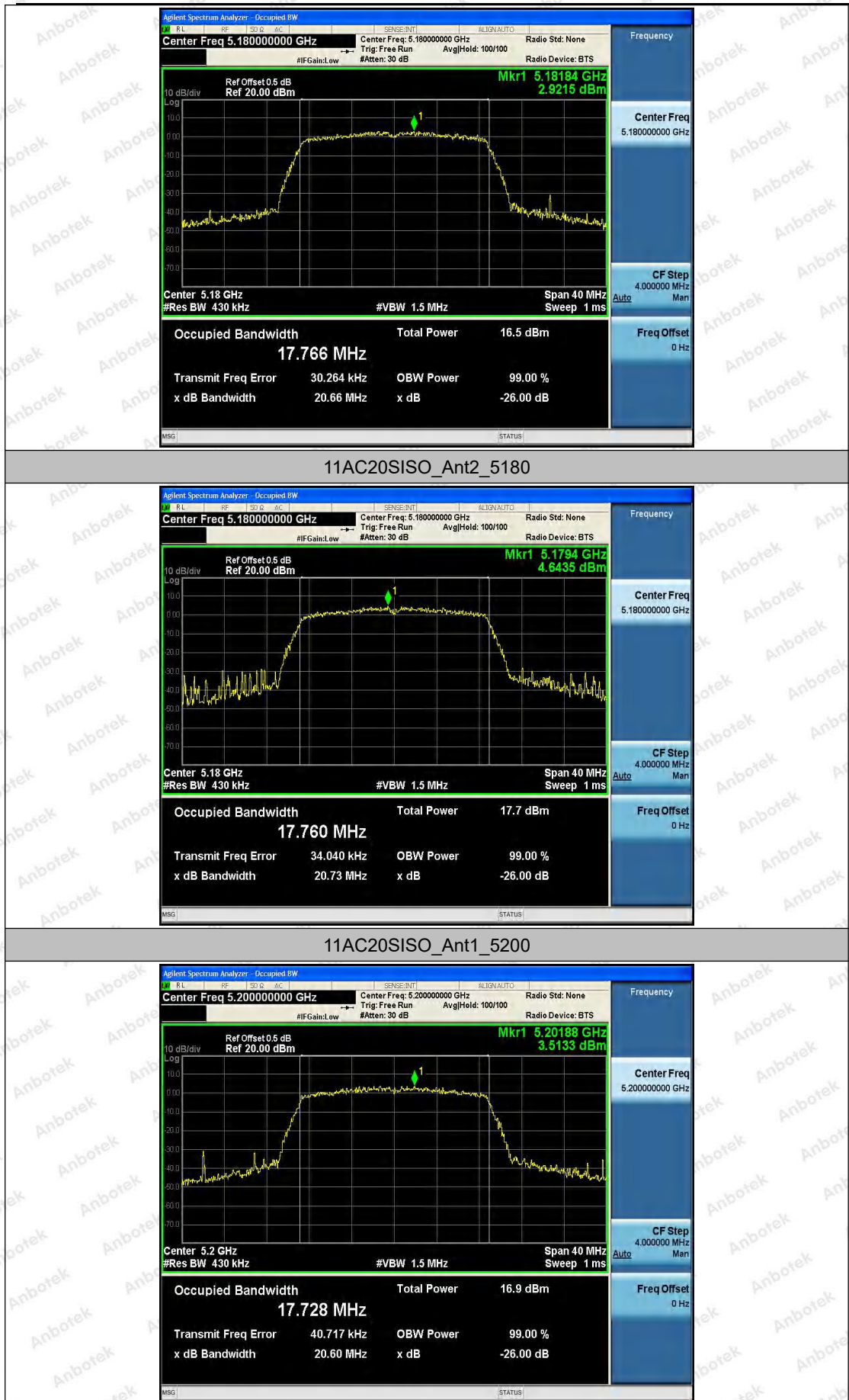
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11N40SISO_Ant2_5795



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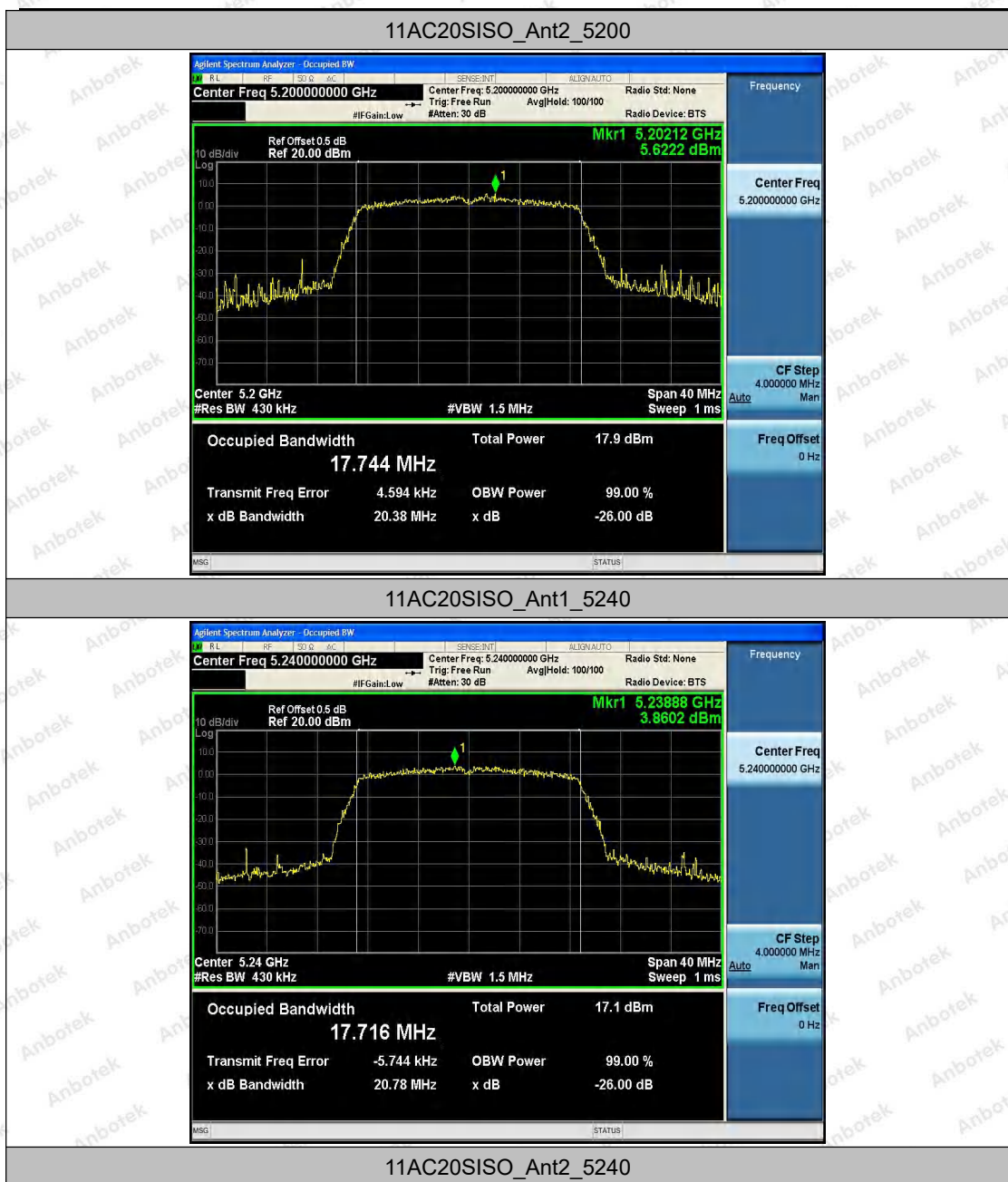


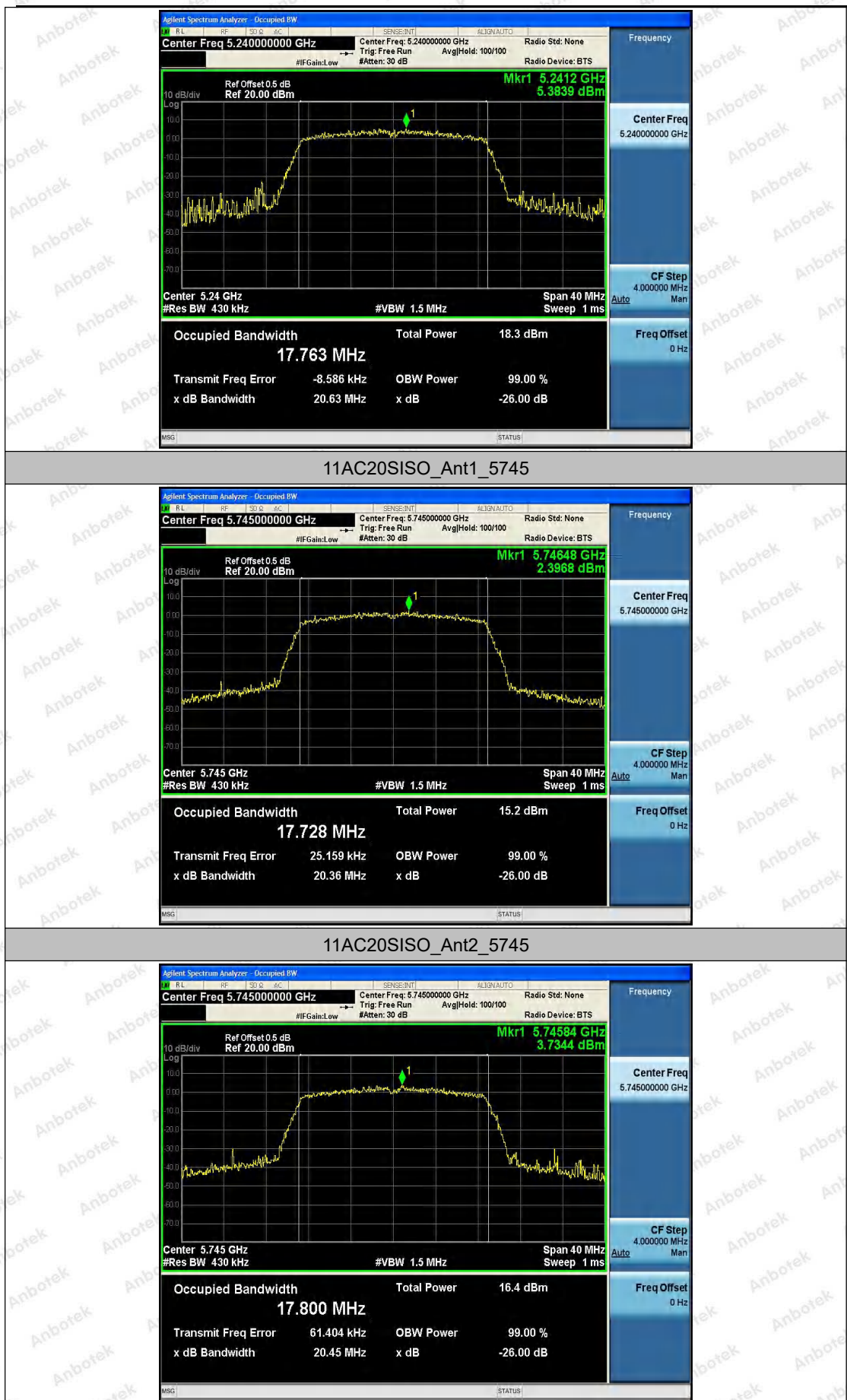
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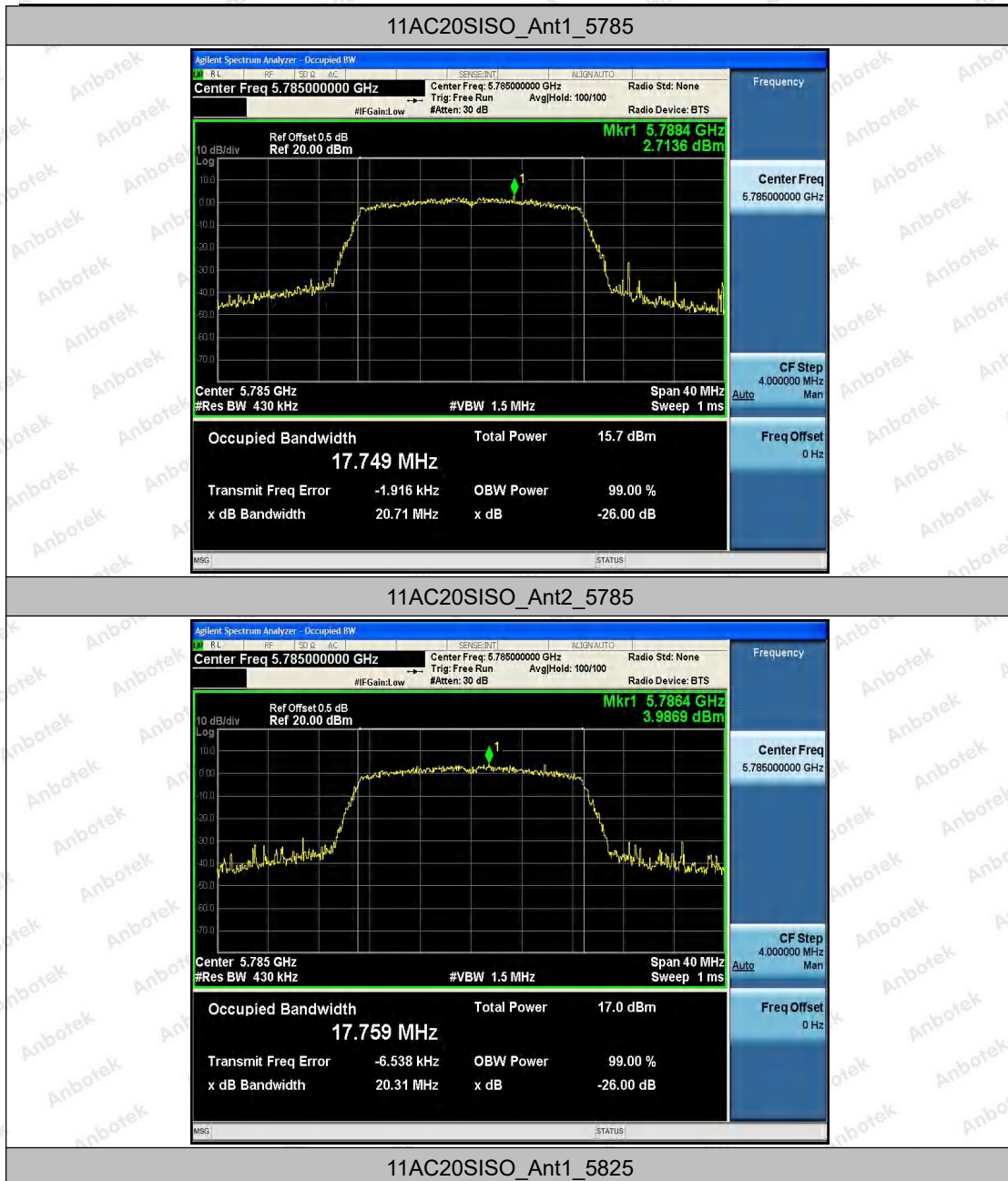


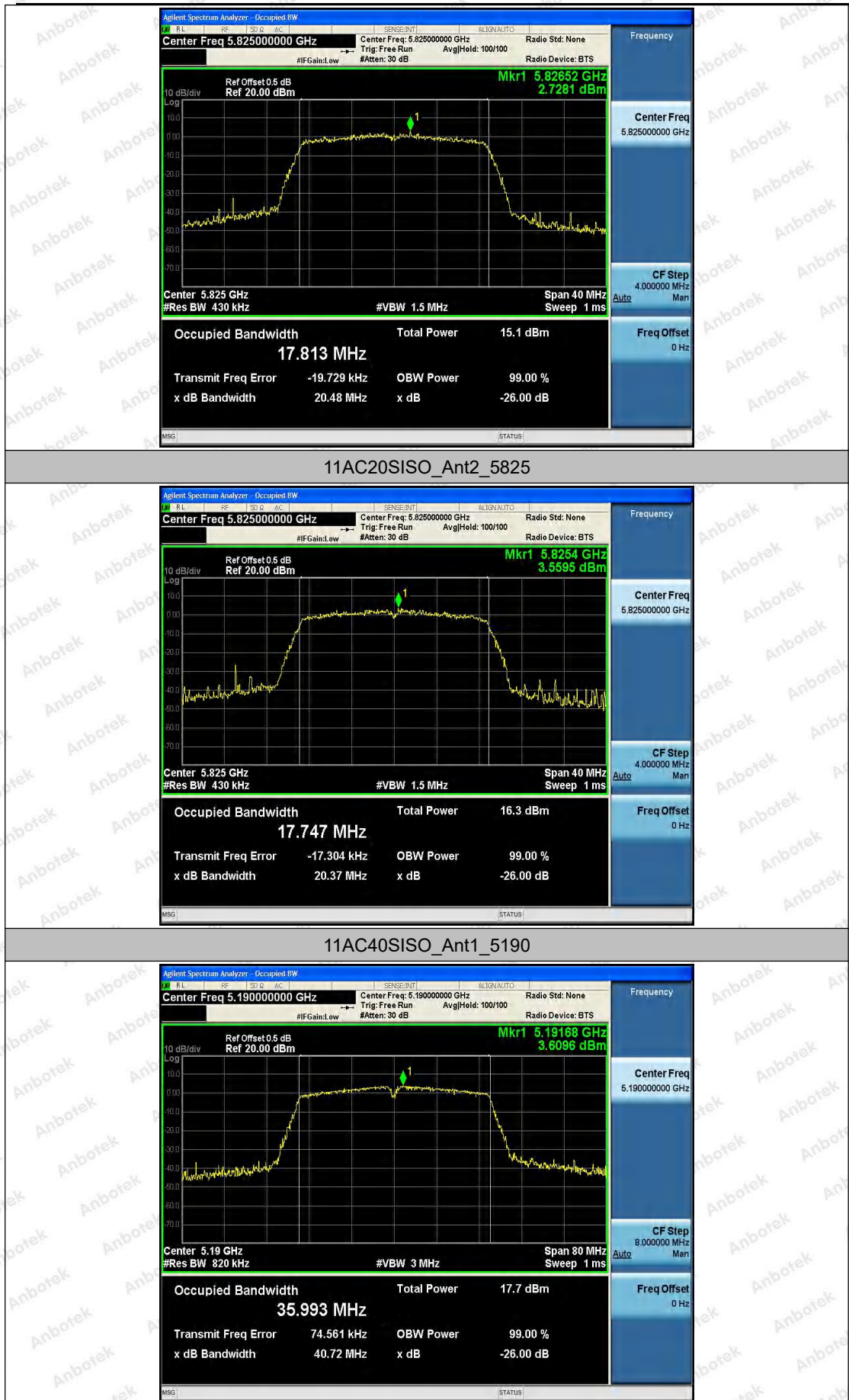
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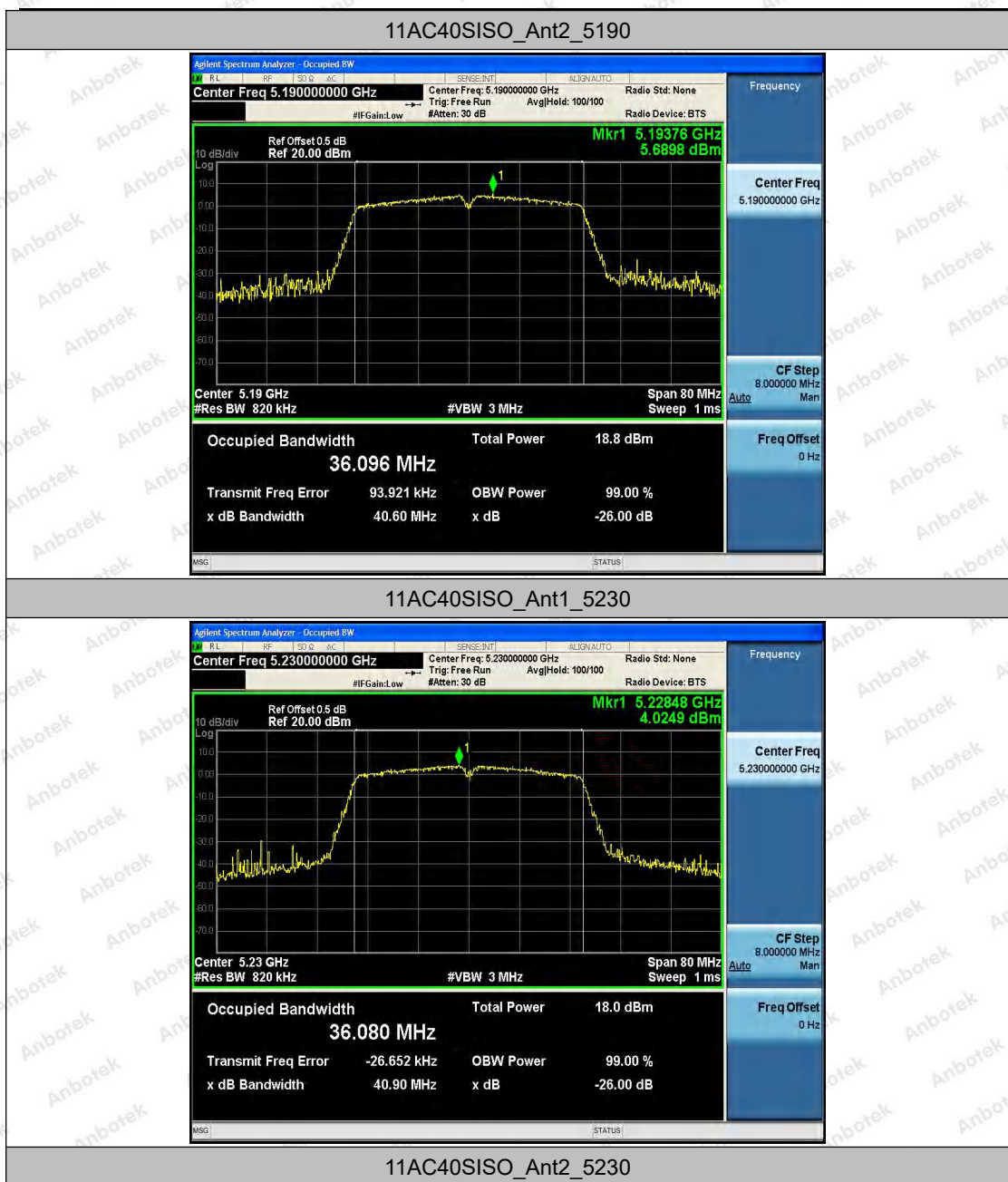


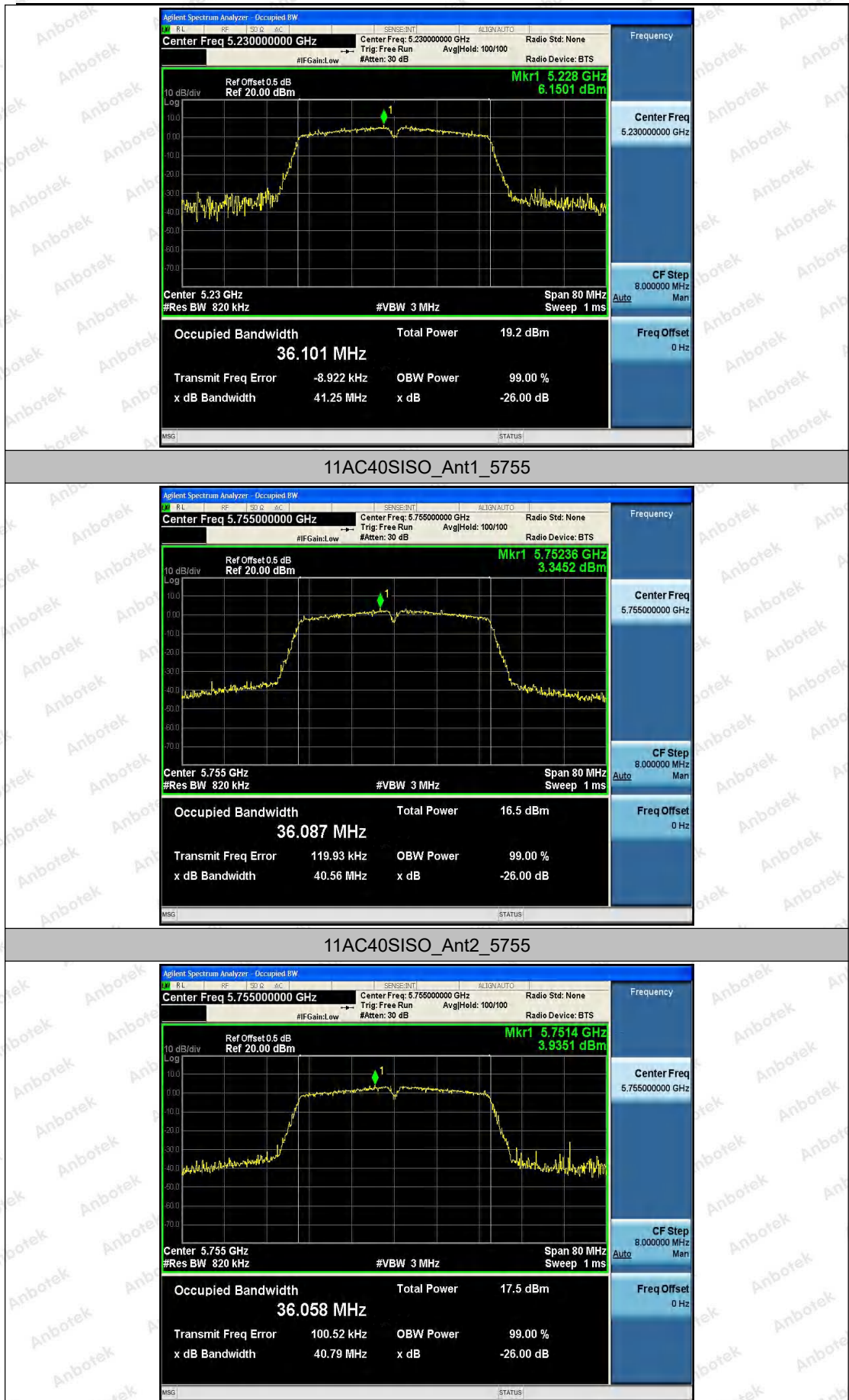
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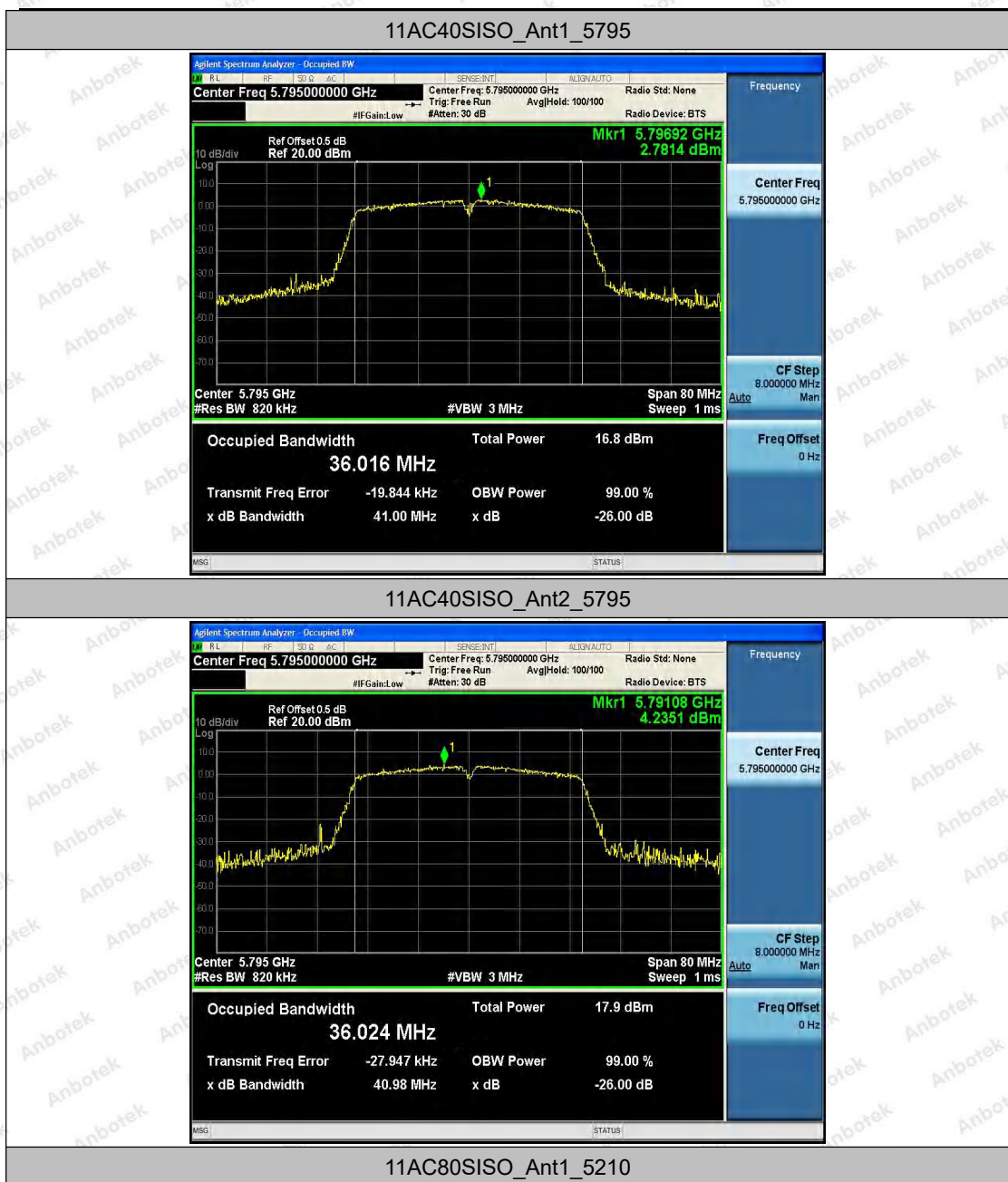


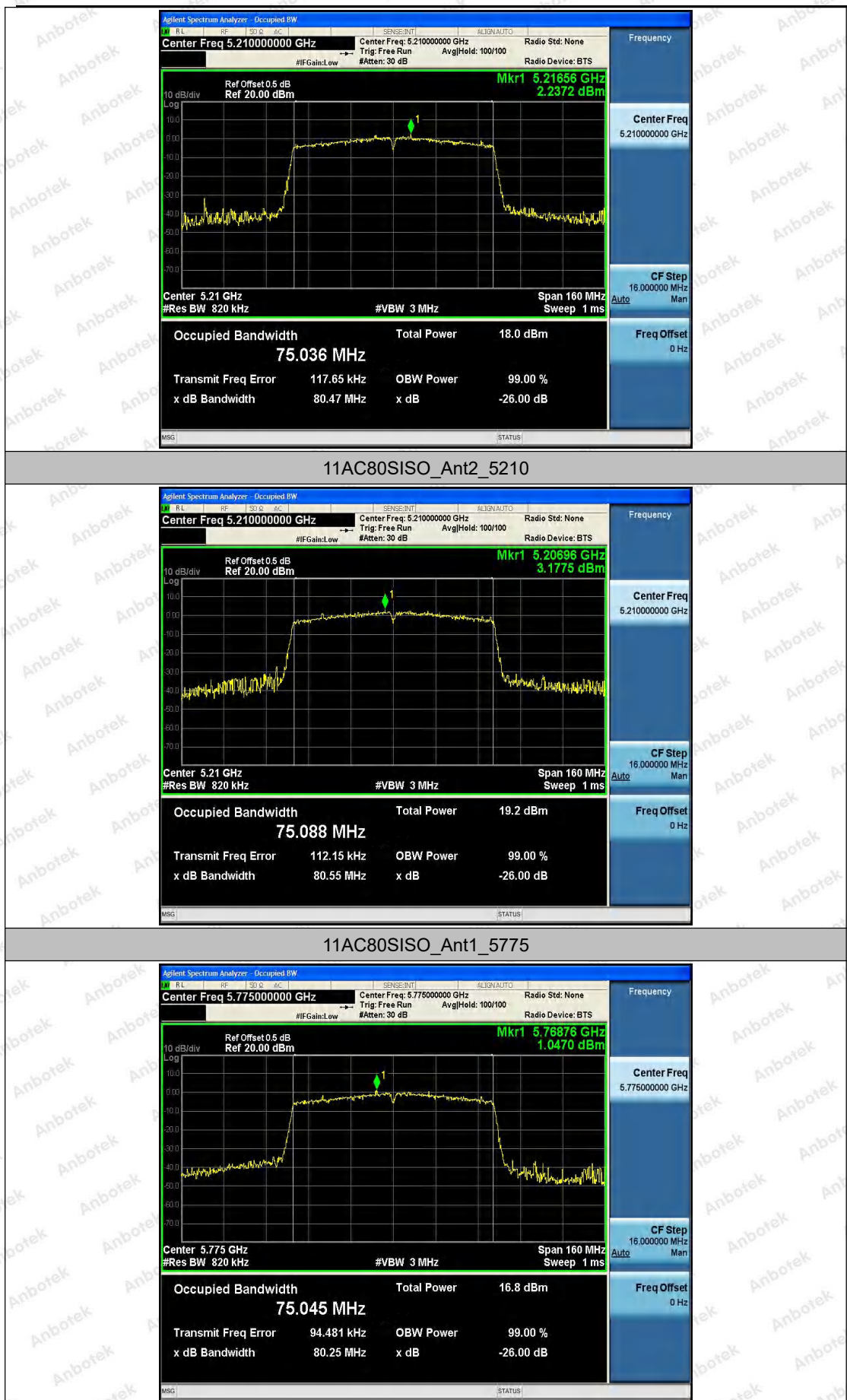
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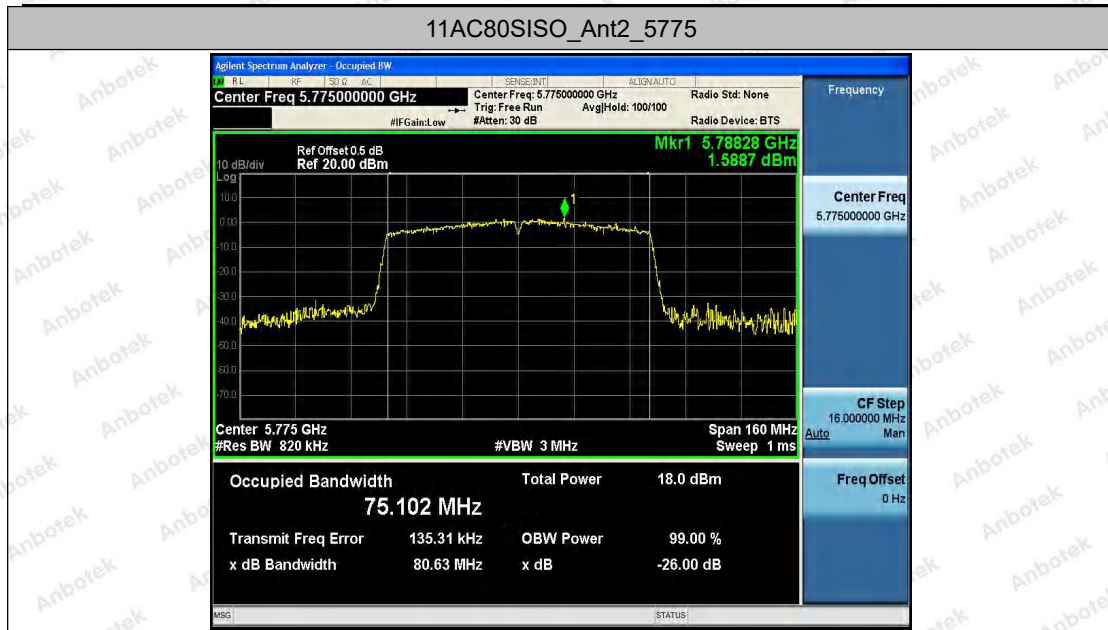


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Appendix A3: Min emission bandwidth

Test Result

Test Mode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.120	5737.480	5752.600	0.5	PASS
	Ant2	5745	12.600	5739.920	5752.520	0.5	PASS
	Ant1	5785	15.040	5777.480	5792.520	0.5	PASS
	Ant2	5785	14.280	5778.320	5792.600	0.5	PASS
	Ant1	5825	15.960	5816.600	5832.560	0.5	PASS
	Ant2	5825	16.160	5816.440	5832.600	0.5	PASS
11N20SISO	Ant1	5745	15.120	5737.400	5752.520	0.5	PASS
	Ant2	5745	12.240	5739.920	5752.160	0.5	PASS
	Ant1	5785	15.160	5777.440	5792.600	0.5	PASS
	Ant2	5785	15.200	5777.400	5792.600	0.5	PASS
	Ant1	5825	15.080	5817.480	5832.560	0.5	PASS
	Ant2	5825	15.760	5816.840	5832.600	0.5	PASS
11N40SISO	Ant1	5755	34.080	5738.600	5772.680	0.5	PASS
	Ant2	5755	35.280	5737.400	5772.680	0.5	PASS
	Ant1	5795	35.200	5777.400	5812.600	0.5	PASS
	Ant2	5795	35.200	5777.400	5812.600	0.5	PASS
11AC20SISO	Ant1	5745	14.320	5738.280	5752.600	0.5	PASS
	Ant2	5745	14.440	5737.720	5752.160	0.5	PASS
	Ant1	5785	15.960	5777.440	5793.400	0.5	PASS
	Ant2	5785	13.880	5778.720	5792.600	0.5	PASS
	Ant1	5825	15.120	5817.400	5832.520	0.5	PASS
	Ant2	5825	12.680	5818.640	5831.320	0.5	PASS
11AC40SISO	Ant1	5755	35.280	5737.400	5772.680	0.5	PASS
	Ant2	5755	35.200	5737.400	5772.600	0.5	PASS
	Ant1	5795	35.200	5777.400	5812.600	0.5	PASS
	Ant2	5795	35.200	5777.400	5812.600	0.5	PASS
11AC80SISO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS
	Ant2	5775	75.520	5737.240	5812.760	0.5	PASS

Test Graphs

11A_Ant1_5745



11A_Ant2_5745



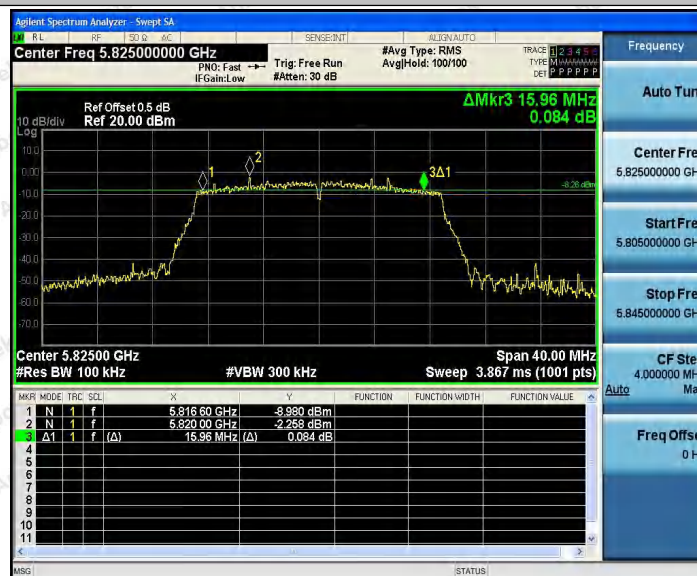
11A_Ant1_5785



11A_Ant2_5785



11A_Ant1_5825



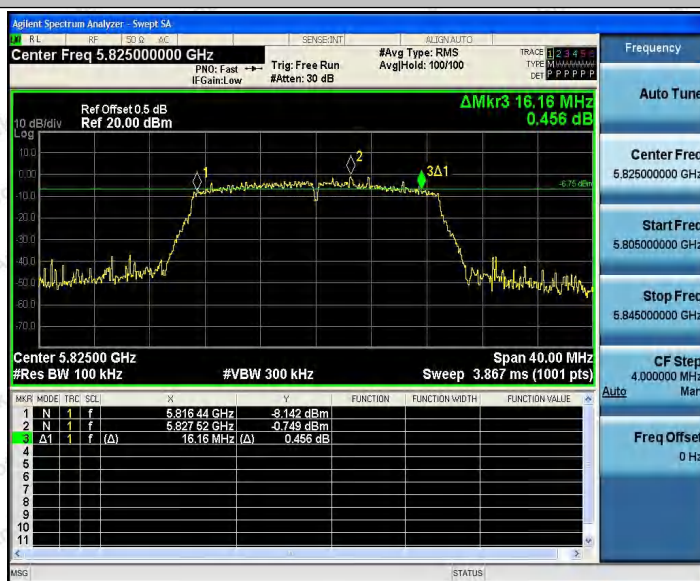
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11A_Ant2_5825



11N20SISO_Ant1_5745



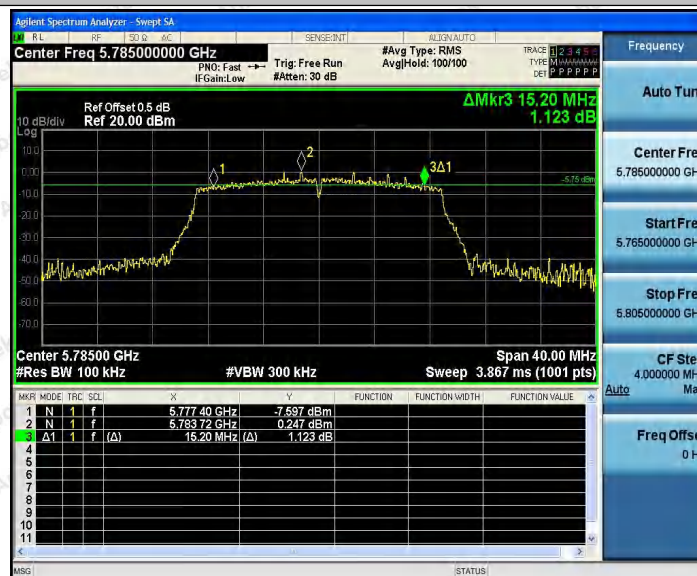
11N20SISO_Ant2_5745



11N20SISO_Ant1_5785



11N20SISO_Ant2_5785



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11N20SISO_Ant1_5825



11N20SISO_Ant2_5825



11N40SISO_Ant1_5755



11N40SISO_Ant2_5755



11N40SISO_Ant1_5795



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11N40SISO_Ant2_5795



11AC20SISO_Ant1_5745



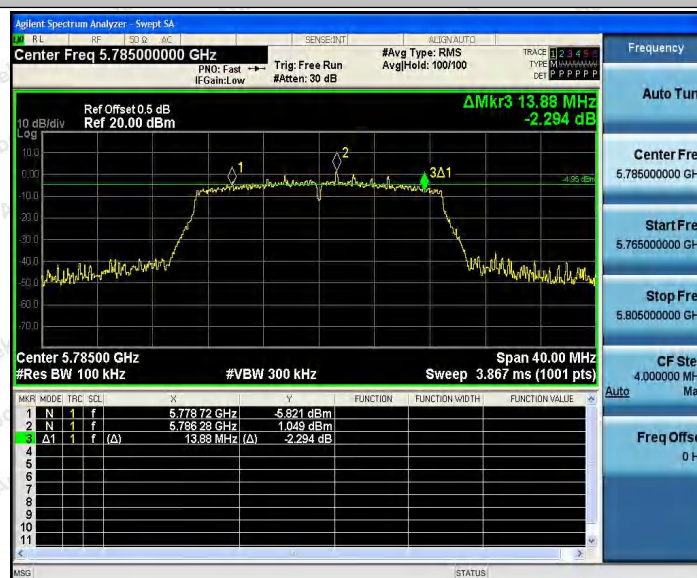
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11AC20SISO_Ant1_5785



11AC20SISO_Ant2_5785



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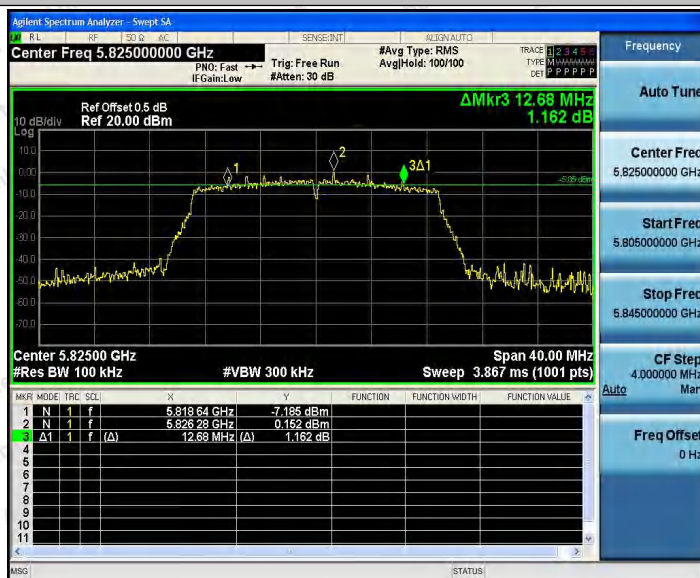
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11AC20SISO Ant2 5825



11AC40SISO Ant1 5755



11AC40SISO_Ant2_5755



11AC40SISO_Ant1_5795

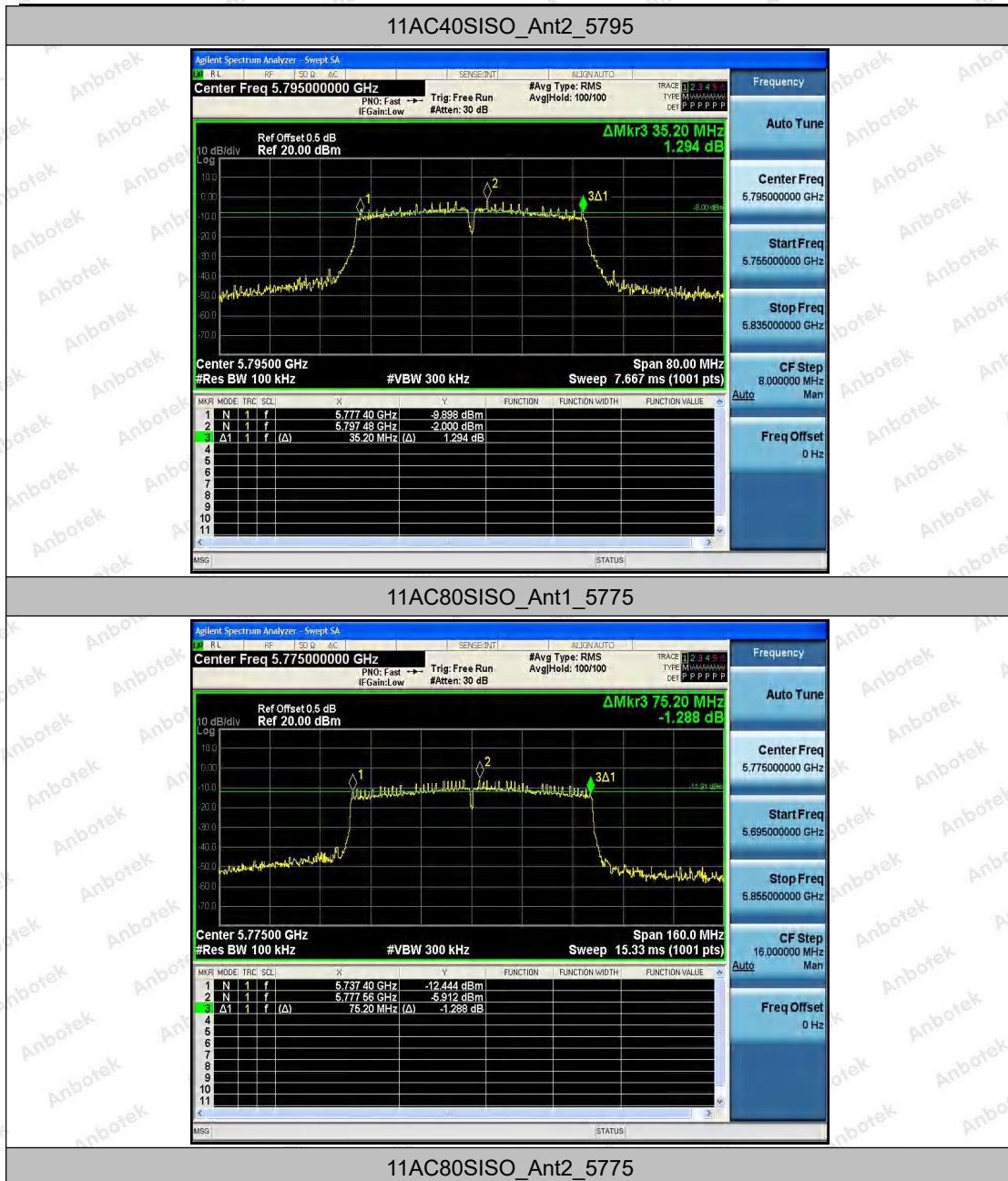


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Appendix B: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	13.04	≤23.98	PASS
	Ant2	5180	13.16	≤23.98	PASS
	Ant1	5200	13.62	≤23.98	PASS
	Ant2	5200	13.64	≤23.98	PASS
	Ant1	5240	13.99	≤23.98	PASS
	Ant2	5240	14.00	≤23.98	PASS
	Ant1	5745	14.35	≤30	PASS
	Ant2	5745	15.35	≤30	PASS
	Ant1	5785	14.80	≤30	PASS
	Ant2	5785	15.76	≤30	PASS
	Ant1	5825	14.32	≤30	PASS
	Ant2	5825	15.27	≤30	PASS
11N20SISO	Ant1	5180	13.20	≤23.98	PASS
	Ant2	5180	13.18	≤23.98	PASS
	Ant1	5200	13.68	≤23.98	PASS
	Ant2	5200	13.75	≤23.98	PASS
	Ant1	5240	14.02	≤23.98	PASS
	Ant2	5240	14.01	≤23.98	PASS
	Ant1	5745	14.33	≤30	PASS
	Ant2	5745	15.32	≤30	PASS
	Ant1	5785	14.80	≤30	PASS
	Ant2	5785	16.01	≤30	PASS
	Ant1	5825	14.37	≤30	PASS
	Ant2	5825	15.34	≤30	PASS
11N40SISO	Ant1	5190	12.64	≤23.98	PASS
	Ant2	5190	13.77	≤23.98	PASS
	Ant1	5230	14.38	≤23.98	PASS
	Ant2	5230	14.42	≤23.98	PASS
	Ant1	5755	14.61	≤30	PASS
	Ant2	5755	15.75	≤30	PASS
	Ant1	5795	14.90	≤30	PASS
	Ant2	5795	16.10	≤30	PASS
11AC20SISO	Ant1	5180	13.16	≤23.98	PASS
	Ant2	5180	13.14	≤23.98	PASS
	Ant1	5200	13.66	≤23.98	PASS
	Ant2	5200	13.82	≤23.98	PASS
	Ant1	5240	13.92	≤23.98	PASS

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	Ant2	5240	14.04	≤23.98	PASS
	Ant1	5745	14.18	≤30	PASS
	Ant2	5745	15.30	≤30	PASS
	Ant1	5785	14.59	≤30	PASS
	Ant2	5785	15.84	≤30	PASS
	Ant1	5825	14.28	≤30	PASS
	Ant2	5825	15.25	≤30	PASS
11AC40SISO	Ant1	5190	13.46	≤23.98	PASS
	Ant2	5190	13.52	≤23.98	PASS
	Ant1	5230	14.38	≤23.98	PASS
	Ant2	5230	14.39	≤23.98	PASS
	Ant1	5755	17.10	≤30	PASS
	Ant2	5755	18.21	≤30	PASS
	Ant1	5795	15.03	≤30	PASS
11AC80SISO	Ant2	5795	16.06	≤30	PASS
	Ant1	5210	14.72	≤23.98	PASS
	Ant2	5210	14.55	≤23.98	PASS
	Ant1	5775	15.30	≤30	PASS
	Ant2	5775	16.51	≤30	PASS

5.2G WIFI MIMO:

Test Condition	Test Mode	Channel	Result[dBm]	Limit[dBm]	Verdict
NTNV	11N20MIMO	5180	16.200	≤30	PASS
		5200	16.725	≤30	PASS
		5240	17.025	≤30	PASS
	11N40MIMO	5190	16.252	≤30	PASS
		5230	17.410	≤30	PASS
	11AC20MIMO	5180	16.160	≤30	PASS
		5200	16.751	≤30	PASS
		5240	16.991	≤30	PASS
	11AC40MIMO	5190	16.500	≤30	PASS
		5230	17.395	≤30	PASS
	11AC80MIMO	5210	17.646	≤30	PASS

5.8G WIFI MIMO:

Test Condition	Test Mode	Channel	Result[dBm]	Limit[dBm]	Verdict
NTNV	11N20MIMO	5745	17.863	≤23.98	PASS
		5785	18.457	≤23.98	PASS
		5825	17.892	≤23.98	PASS
	11N40MIMO	5755	18.228	≤23.98	PASS
		5795	18.552	≤23.98	PASS
	11AC20MIMO	5745	17.786	≤23.98	PASS
		5785	18.270	≤23.98	PASS
		5825	17.802	≤23.98	PASS
	11AC40MIMO	5755	20.701	≤23.98	PASS
		5795	18.586	≤23.98	PASS
	11AC80MIMO	5775	18.957	≤23.98	PASS

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

Appendix C: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	5.19	≤11	PASS
	Ant2	5180	4.57	≤11	PASS
	Ant1	5200	5.61	≤11	PASS
	Ant2	5200	5.55	≤11	PASS
	Ant1	5240	6.16	≤11	PASS
	Ant2	5240	6.37	≤11	PASS
11N20SISO	Ant1	5180	5.18	≤11	PASS
	Ant2	5180	5.06	≤11	PASS
	Ant1	5200	5.78	≤11	PASS
	Ant2	5200	5.51	≤11	PASS
	Ant1	5240	5.94	≤11	PASS
	Ant2	5240	5.98	≤11	PASS
11N40SISO	Ant1	5190	1.19	≤11	PASS
	Ant2	5190	2.69	≤11	PASS
	Ant1	5230	3.09	≤11	PASS
	Ant2	5230	2.94	≤11	PASS
11AC20SISO	Ant1	5180	4.84	≤11	PASS
	Ant2	5180	5.44	≤11	PASS
	Ant1	5200	5.97	≤11	PASS
	Ant2	5200	5.9	≤11	PASS
	Ant1	5240	5.84	≤11	PASS
	Ant2	5240	5.93	≤11	PASS
11AC40SISO	Ant1	5190	2.91	≤11	PASS
	Ant2	5190	2.66	≤11	PASS
	Ant1	5230	3.32	≤11	PASS
	Ant2	5230	3.62	≤11	PASS
11AC80SISO	Ant1	5210	0.98	≤11	PASS
	Ant2	5210	0.49	≤11	PASS

Test Mode	Antenna	Channel	Result [dBm/500KHz]	Limit [dBm/500KHz]	Verdict
11A	Ant1	5745	2.51	≤30	PASS
	Ant2	5745	3.66	≤30	PASS
	Ant1	5785	2.94	≤30	PASS
	Ant2	5785	3.75	≤30	PASS
	Ant1	5825	2.79	≤30	PASS
	Ant2	5825	4.32	≤30	PASS
11N20SISO	Ant1	5745	2.42	≤30	PASS
	Ant2	5745	3.16	≤30	PASS
	Ant1	5785	2.59	≤30	PASS
	Ant2	5785	3.74	≤30	PASS
	Ant1	5825	2.55	≤30	PASS
	Ant2	5825	2.86	≤30	PASS
11N40SISO	Ant1	5755	-0.14	≤30	PASS
	Ant2	5755	0.86	≤30	PASS
	Ant1	5795	-0.17	≤30	PASS
	Ant2	5795	1.82	≤30	PASS
11AC20SISO	Ant1	5745	2.36	≤30	PASS
	Ant2	5745	3.88	≤30	PASS
	Ant1	5785	2.72	≤30	PASS
	Ant2	5785	3.31	≤30	PASS
	Ant1	5825	2.22	≤30	PASS
	Ant2	5825	3.08	≤30	PASS
11AC40SISO	Ant1	5755	-0.49	≤30	PASS
	Ant2	5755	0.09	≤30	PASS
	Ant1	5795	-0.09	≤30	PASS
	Ant2	5795	1.32	≤30	PASS
11AC80SISO	Ant1	5775	-3.1	≤30	PASS
	Ant2	5775	-1.21	≤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.

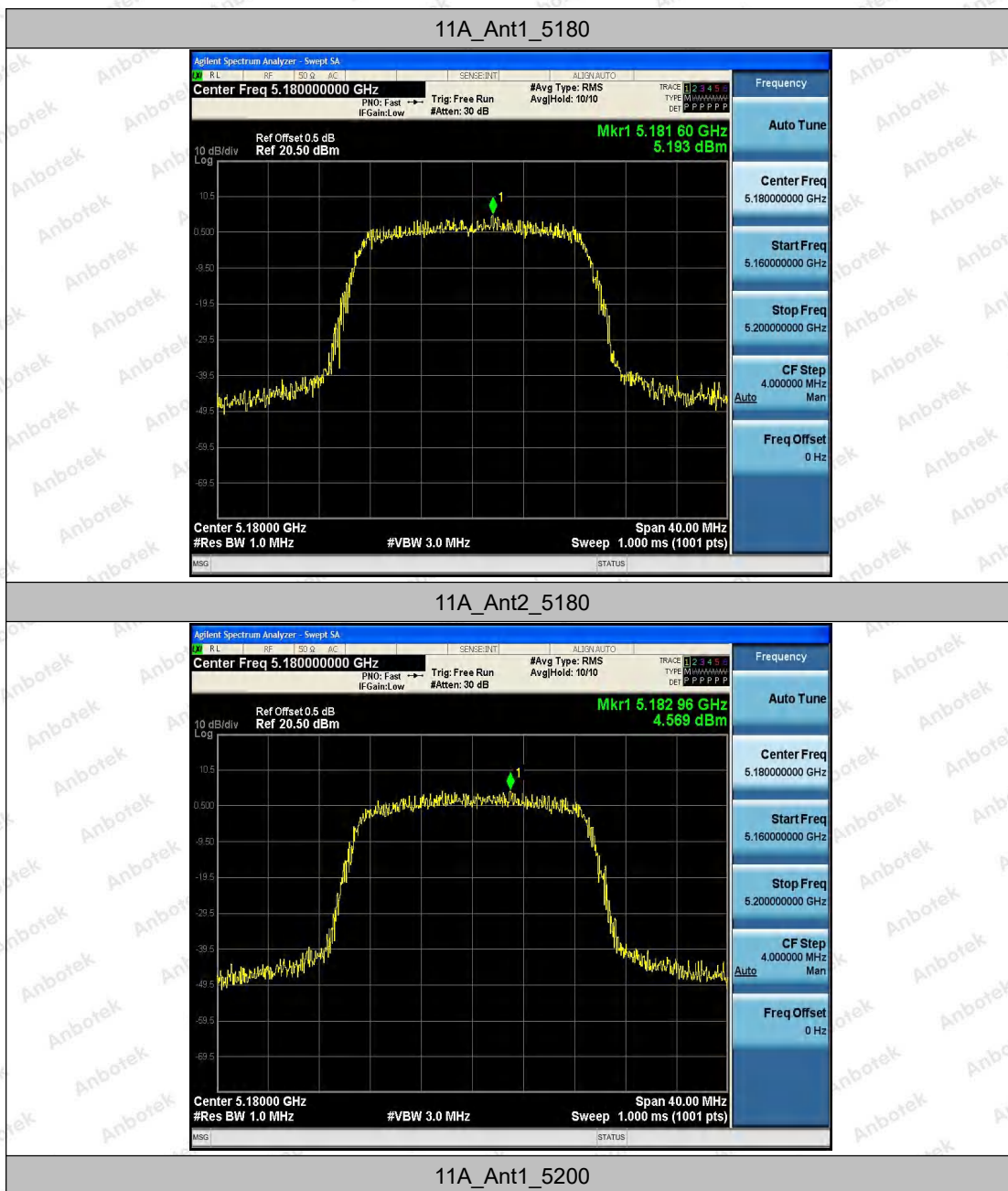
5.2G MIMO:

Test Condition	Test Mode	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
NTNV	11N20MIMO	5180	8.131	≤ 11	PASS
		5200	8.657	≤ 11	PASS
		5240	8.970	≤ 11	PASS
	11N40MIMO	5190	5.015	≤ 11	PASS
		5230	6.026	≤ 11	PASS
	11AC20MIMO	5180	8.161	≤ 11	PASS
		5200	8.945	≤ 11	PASS
		5240	8.896	≤ 11	PASS
	11AC40MIMO	5190	5.797	≤ 11	PASS
		5230	6.483	≤ 11	PASS
	11AC80MIMO	5210	3.752	≤ 11	PASS

5.8G MIMO:

Test Condition	Test Mode	Channel	Result [dBm/500KHz]	Limit[dBm/500KHz]	Verdict
NTNV	11N20MIMO	5745	5.816	≤ 30	PASS
		5785	6.213	≤ 30	PASS
		5825	5.718	≤ 30	PASS
	11N40MIMO	5755	3.399	≤ 30	PASS
		5795	3.948	≤ 30	PASS
	11AC20MIMO	5745	6.196	≤ 30	PASS
		5785	6.035	≤ 30	PASS
		5825	5.682	≤ 30	PASS
	11AC40MIMO	5755	2.820	≤ 30	PASS
		5795	3.682	≤ 30	PASS
	11AC80MIMO	5775	0.957	≤ 30	PASS

Test Graphs



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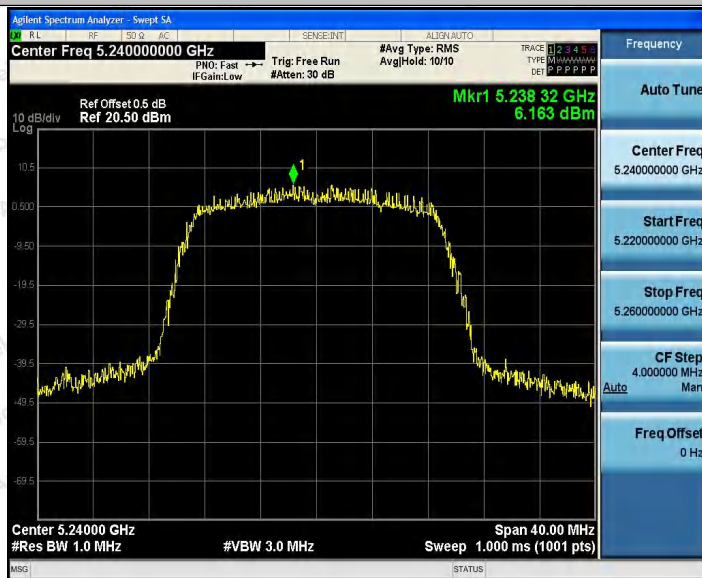
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11A_Ant2_5200



11A_Ant1_5240



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