

Appendix Test Data

Report No.:	18220WC10248701	Test Sample No.:	1-2-2
Start Test Date:	2021.11.12	Finish Test Date:	2021.11.19
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3C°	Relative Humidity:	57 %
Pressure:	1012 hPa		

Appendix A1: Emission Bandwidth

Test Result

Test Mode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	20.920	5169.560	5190.480	---	PASS
		5200	21.000	5189.200	5210.200	---	PASS
		5240	20.480	5229.720	5250.200	---	PASS
		5745	22.040	5734.800	5756.840	---	PASS
		5785	23.040	5774.040	5797.080	---	PASS
		5825	30.400	5812.200	5842.600	---	PASS
11N20 SISO	Ant1	5180	21.280	5169.480	5190.760	---	PASS
		5200	21.000	5189.480	5210.480	---	PASS
		5240	20.760	5229.680	5250.440	---	PASS
		5745	22.760	5733.920	5756.680	---	PASS
		5785	23.400	5774.240	5797.640	---	PASS
		5825	32.400	5810.640	5843.040	---	PASS
11N40 SISO	Ant1	5190	41.120	5169.280	5210.400	---	PASS
		5230	40.880	5209.520	5250.400	---	PASS
		5755	48.400	5734.280	5782.680	---	PASS
		5795	60.320	5768.760	5829.080	---	PASS
11AC20 SISO	Ant1	5180	20.920	5169.560	5190.480	---	PASS
		5200	23.880	5186.720	5210.600	---	PASS
		5240	21.200	5229.440	5250.640	---	PASS

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		5745	21.200	5734.520	5755.720	---	PASS
		5785	27.240	5773.480	5800.720	---	PASS
		5825	32.880	5810.600	5843.480	---	PASS
11AC40 SISO	Ant1	5190	40.720	5169.680	5210.400	---	PASS
		5230	42.720	5208.960	5251.680	---	PASS
		5755	53.680	5733.880	5787.560	---	PASS
		5795	58.080	5772.440	5830.520	---	PASS

Test Graphs





11A_Ant1_5745



11A_Ant1_5785

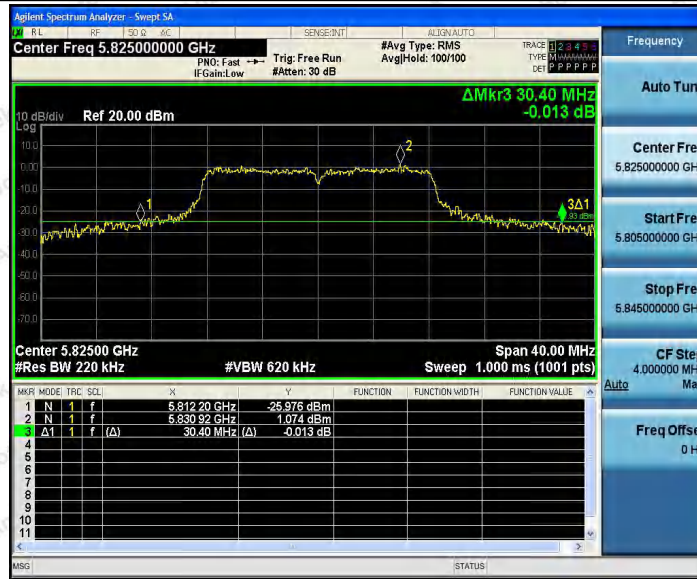


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11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200

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11N20SISO_Ant1_5240



11N20SISO_Ant1_5245



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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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11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5745

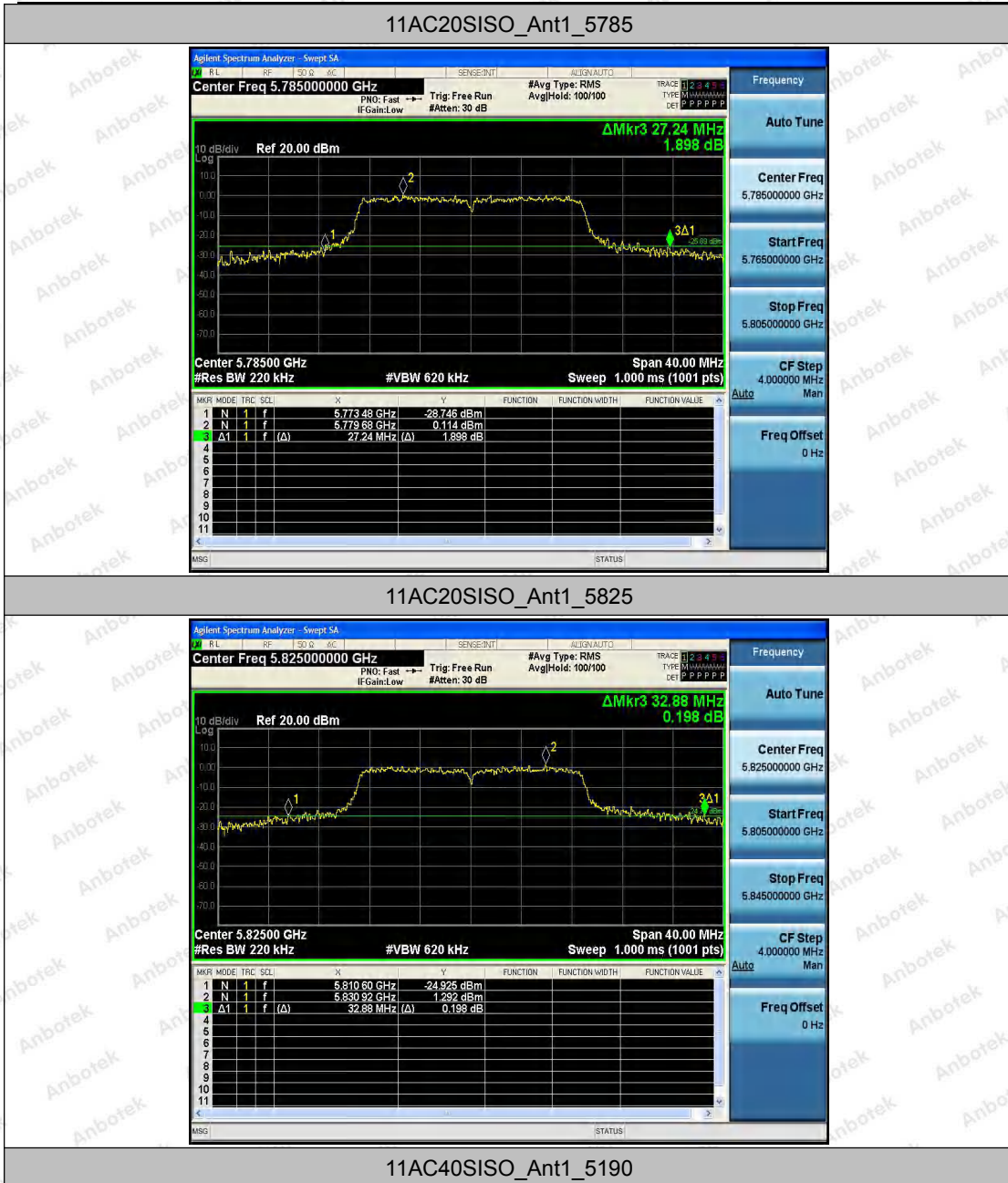


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11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755



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Appendix A2: Occupied channel bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.083	5171.439	5188.522	---	PASS
		5200	17.038	5191.449	5208.487	---	PASS
		5240	17.046	5231.490	5248.536	---	PASS
		5745	17.193	5736.486	5753.679	---	PASS
		5785	17.109	5776.504	5793.613	---	PASS
		5825	17.509	5816.300	5833.809	---	PASS
11N20SIS O	Ant1	5180	17.982	5170.991	5188.973	---	PASS
		5200	18.023	5191.003	5209.026	---	PASS
		5240	18.016	5231.003	5249.019	---	PASS
		5745	18.145	5735.993	5754.138	---	PASS
		5785	18.071	5776.113	5794.184	---	PASS
		5825	18.836	5815.871	5834.707	---	PASS
11N40SIS O	Ant1	5190	36.181	5171.905	5208.086	---	PASS
		5230	36.310	5211.856	5248.166	---	PASS
		5755	36.324	5736.936	5773.260	---	PASS
		5795	36.412	5776.920	5813.332	---	PASS
11AC20SI SO	Ant1	5180	18.032	5171.020	5189.052	---	PASS
		5200	18.013	5190.991	5209.004	---	PASS
		5240	18.083	5230.994	5249.077	---	PASS
		5745	18.160	5736.043	5754.203	---	PASS
		5785	18.168	5776.039	5794.207	---	PASS
		5825	18.636	5815.873	5834.509	---	PASS
11AC40SI SO	Ant1	5190	36.405	5171.835	5208.240	---	PASS
		5230	36.559	5211.713	5248.272	---	PASS
		5755	36.641	5736.856	5773.497	---	PASS
		5795	36.763	5776.790	5813.553	---	PASS

Test Graphs

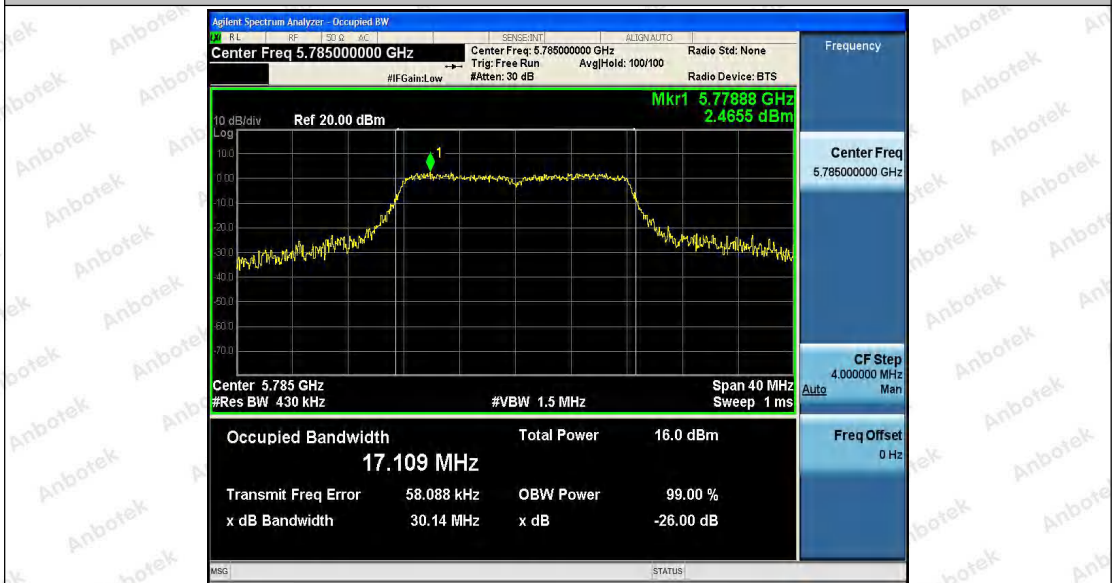




11A_Ant1_5745



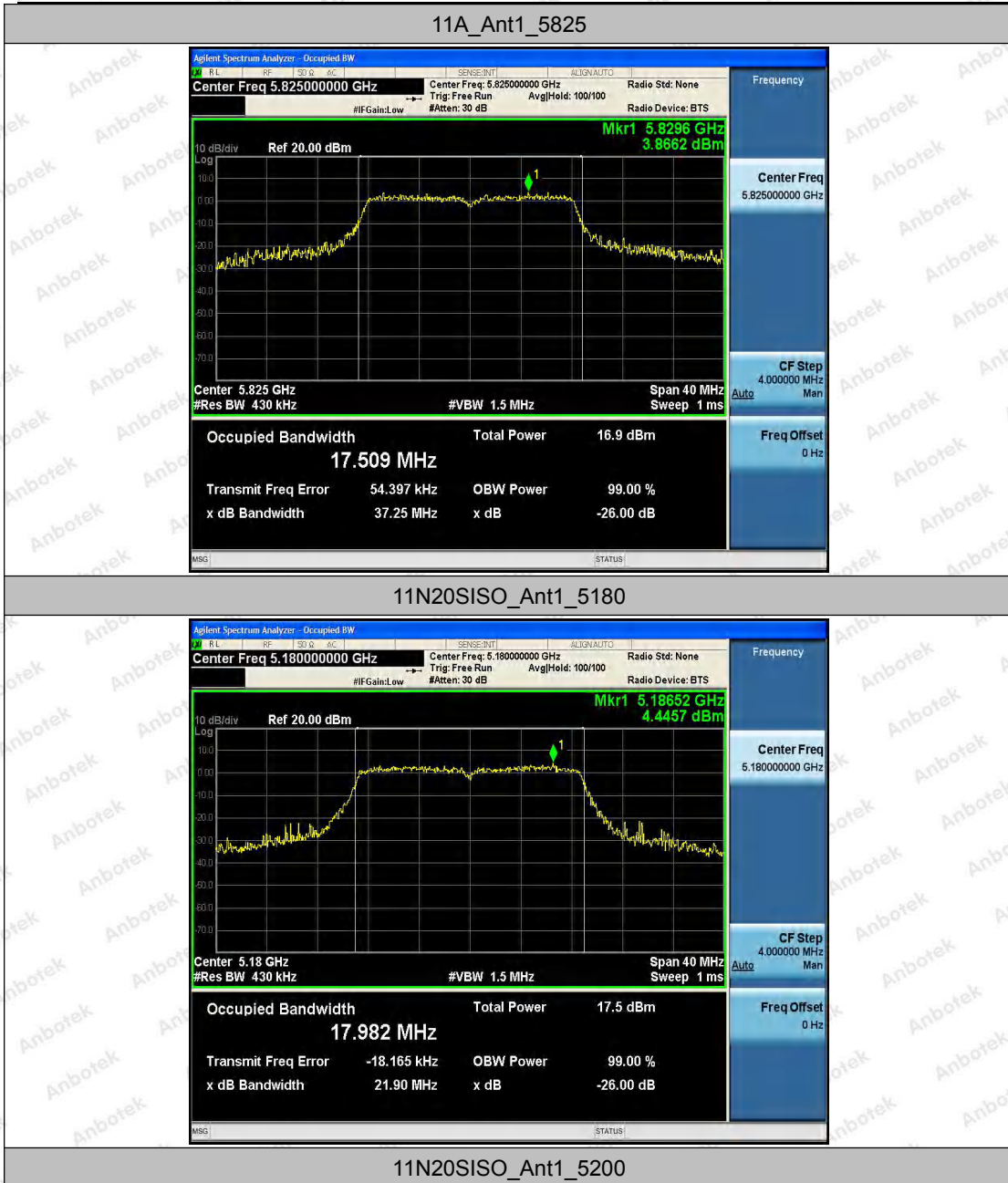
11A_Ant1_5785



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11N20SISO_Ant1_5240



11N20SISO_Ant1_5245



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11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



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11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5745



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11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755

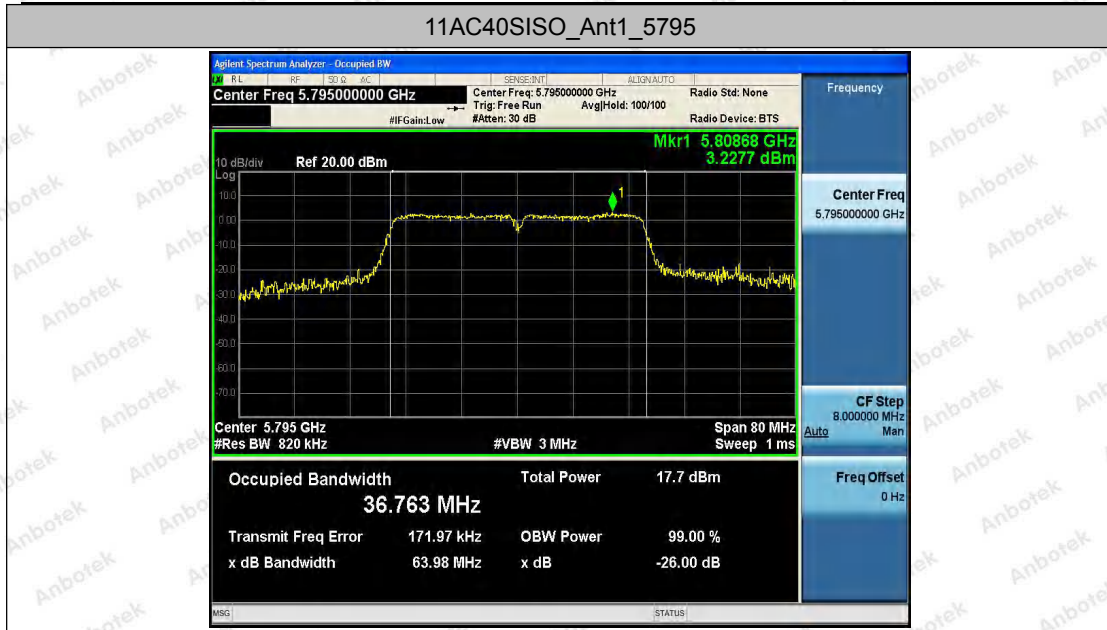


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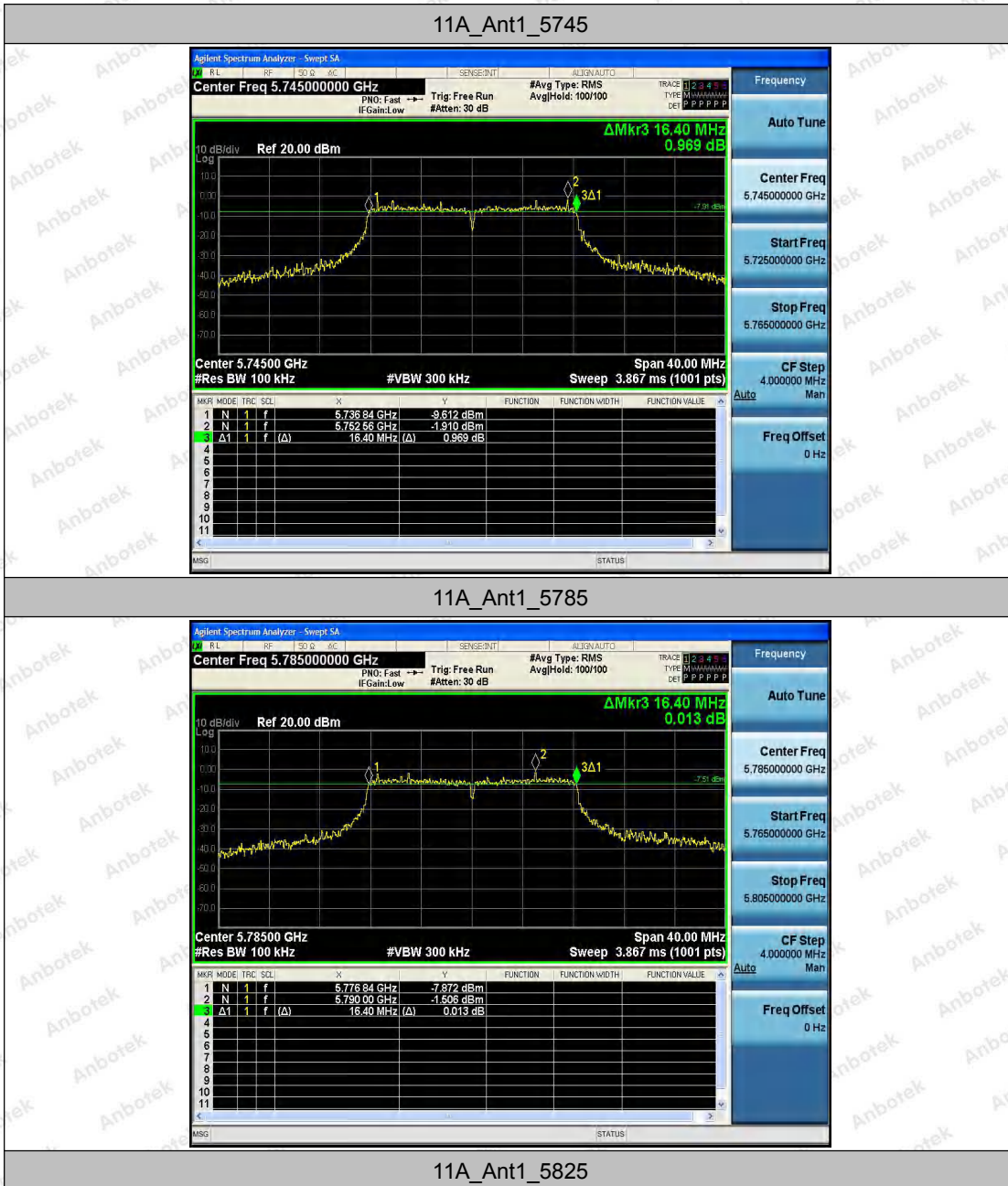
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Appendix A3: Min emission bandwidth

Test Result

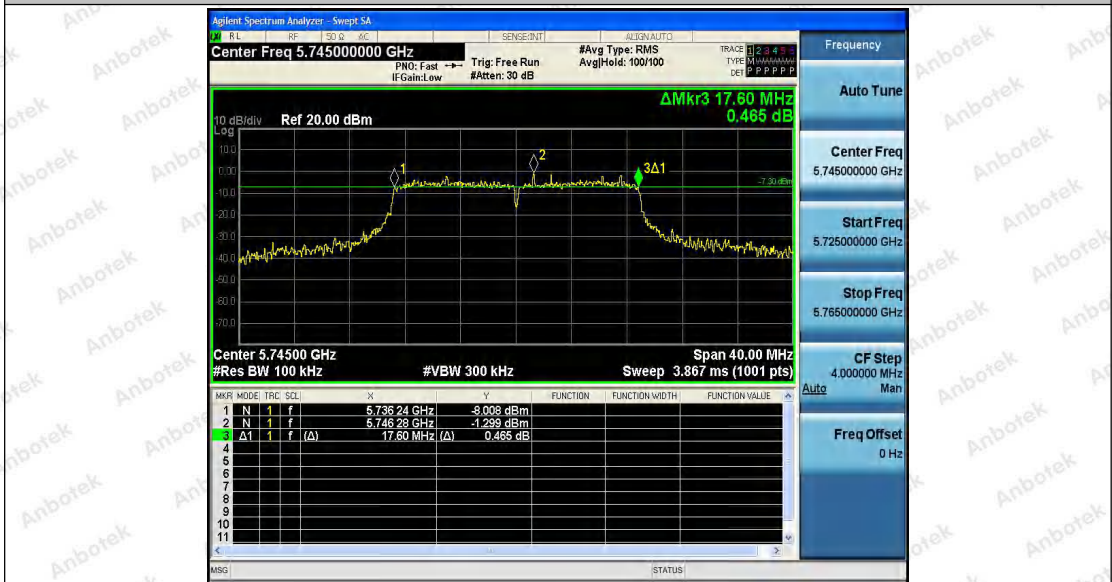
Test Mode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.400	5736.840	5753.240	0.5	PASS
		5785	16.400	5776.840	5793.240	0.5	PASS
		5825	16.400	5816.840	5833.240	0.5	PASS
11N20SIS O	Ant1	5745	17.600	5736.240	5753.840	0.5	PASS
		5785	17.400	5776.240	5793.640	0.5	PASS
		5825	16.840	5816.640	5833.480	0.5	PASS
11N40SIS O	Ant1	5755	35.520	5737.400	5772.920	0.5	PASS
		5795	35.280	5777.400	5812.680	0.5	PASS
11AC20SI SO	Ant1	5745	17.080	5736.520	5753.600	0.5	PASS
		5785	17.640	5776.240	5793.880	0.5	PASS
		5825	16.400	5816.840	5833.240	0.5	PASS
11AC40SI SO	Ant1	5755	35.840	5737.160	5773.000	0.5	PASS
		5795	35.280	5777.400	5812.680	0.5	PASS

Test Graphs

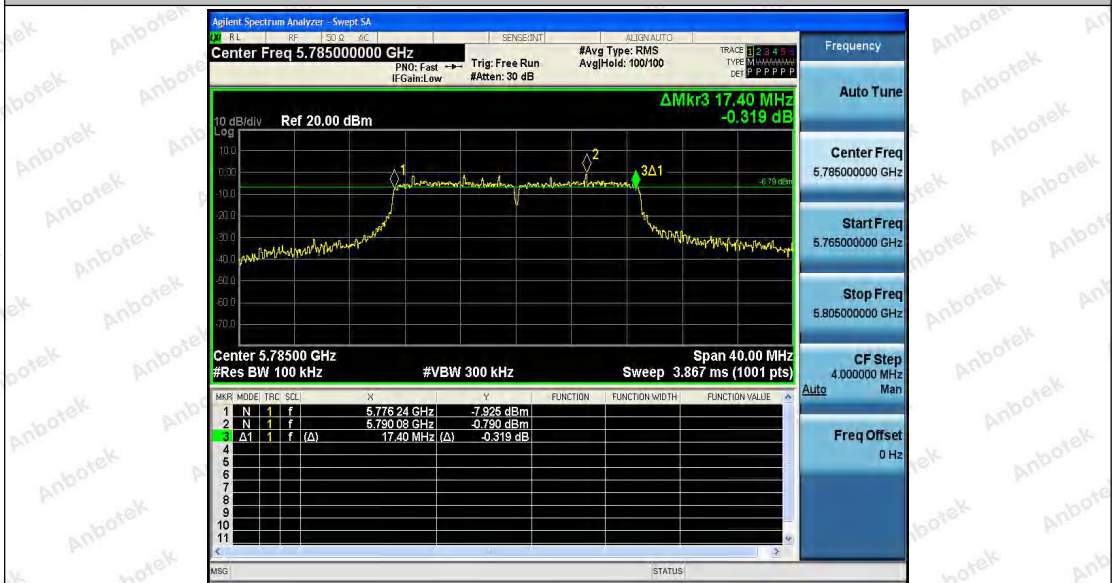




11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



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11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795

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11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785

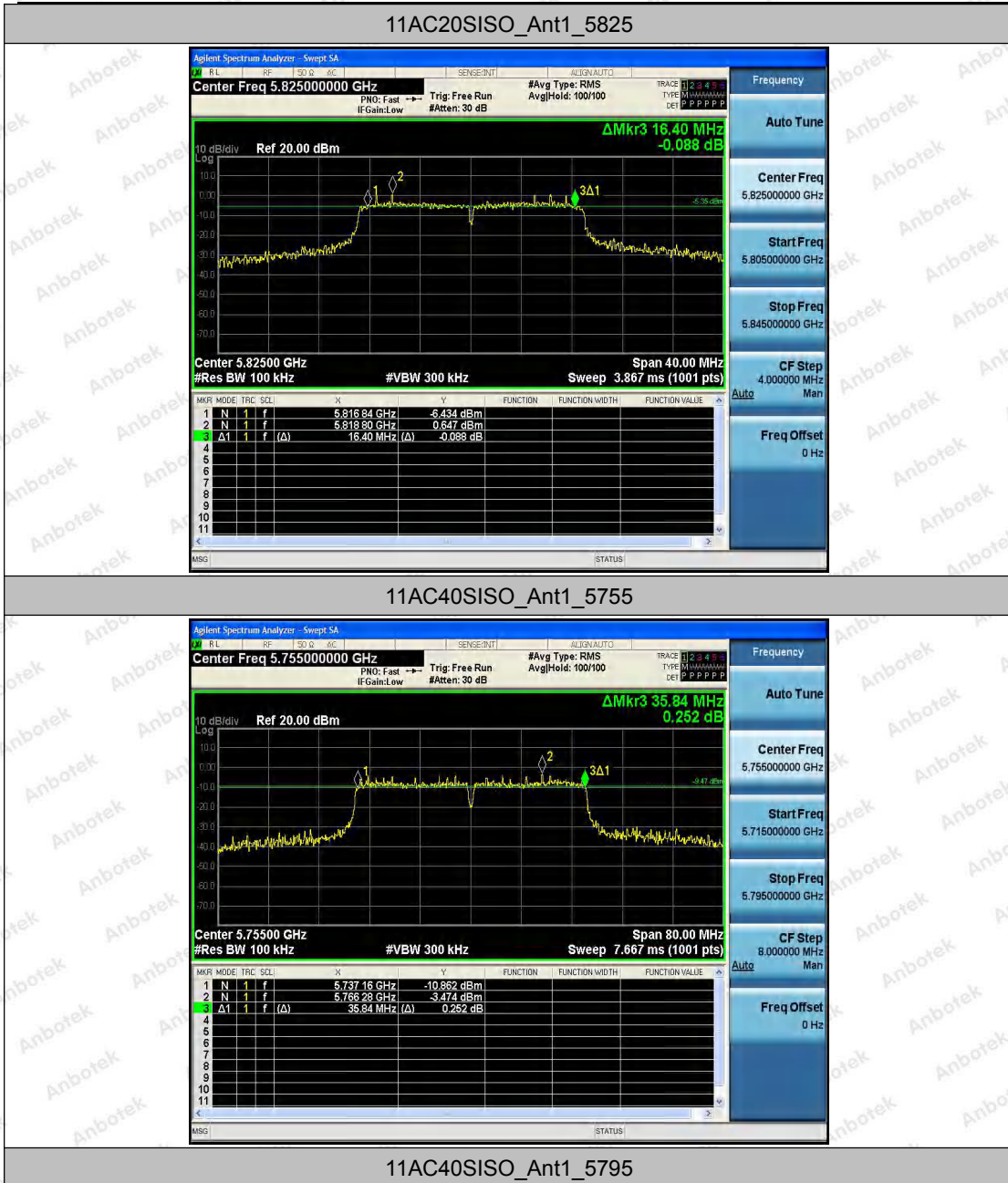


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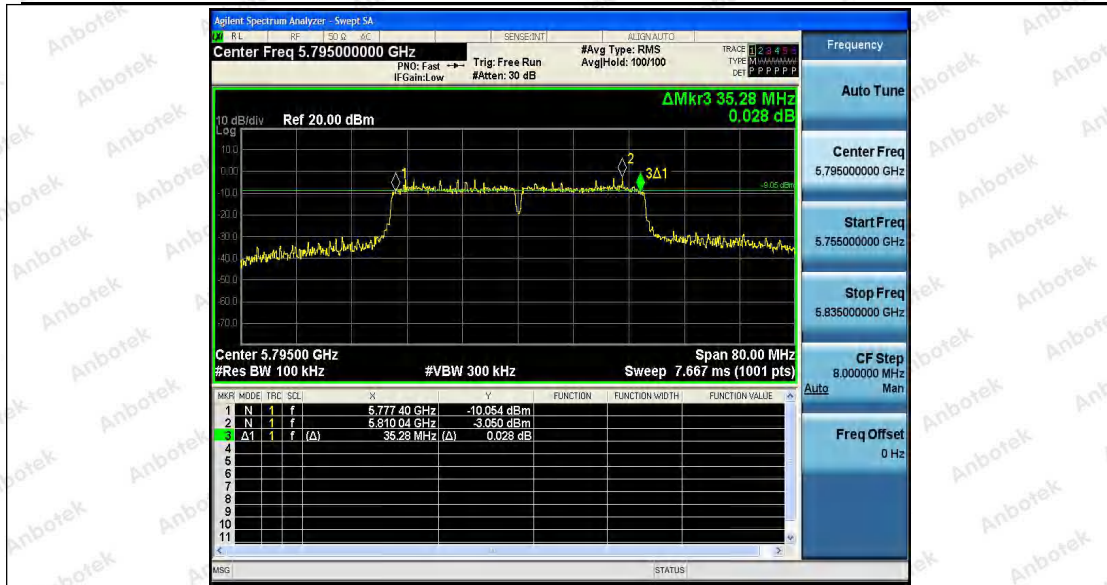


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Appendix B: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	11.05	≤23.98	PASS
		5200	10.19	≤23.98	PASS
		5240	10.99	≤23.98	PASS
		5745	11.51	≤30	PASS
		5785	12.28	≤30	PASS
		5825	10.36	≤30	PASS
11N20SISO	Ant1	5180	11.93	≤23.98	PASS
		5200	11.22	≤23.98	PASS
		5240	11.62	≤23.98	PASS
		5745	10.02	≤30	PASS
		5785	10.56	≤30	PASS
		5825	11.24	≤30	PASS
11N40SISO	Ant1	5190	11.54	≤23.98	PASS
		5230	12.35	≤23.98	PASS
		5755	10.43	≤30	PASS
		5795	10.77	≤30	PASS
11AC20SISO	Ant1	5180	11.75	≤23.98	PASS
		5200	11.05	≤23.98	PASS
		5240	11.90	≤23.98	PASS
		5745	12.49	≤30	PASS
		5785	10.29	≤30	PASS
		5825	11.30	≤30	PASS
11AC40SISO	Ant1	5190	13.64	≤23.98	PASS
		5230	12.25	≤23.98	PASS
		5755	12.48	≤30	PASS
		5795	10.80	≤30	PASS

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

Appendix C: Maximum power spectral density

Test Result

(WiFi 5.2G)

Test Mode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	7.34	≤11	PASS
		5200	7.52	≤11	PASS
		5240	4.71	≤11	PASS
11N20SISO	Ant1	5180	7.91	≤11	PASS
		5200	7.56	≤11	PASS
		5240	5.31	≤11	PASS
11N40SISO	Ant1	5190	4.49	≤11	PASS
		5230	3.21	≤11	PASS
11AC20SISO	Ant1	5180	7.76	≤11	PASS
		5200	7.6	≤11	PASS
		5240	5.18	≤11	PASS
11AC40SISO	Ant1	5190	4.46	≤11	PASS
		5230	2.79	≤11	PASS

(WiFi 5.8G)

Test Mode	Antenna	Channel	Result [dBm/500KHz]	Limit [dBm/500KHz]	Verdict
11A	Ant1	5745	2.23	≤30	PASS
		5785	2.44	≤30	PASS
		5825	3.63	≤30	PASS
11N20SISO	Ant1	5745	2.47	≤30	PASS
		5785	3.12	≤30	PASS
		5825	4.6	≤30	PASS
11N40SISO	Ant1	5755	-0.41	≤30	PASS
		5795	0.12	≤30	PASS
11AC20SISO	Ant1	5745	2.01	≤30	PASS
		5785	2.42	≤30	PASS
		5825	4.47	≤30	PASS
11AC40SISO	Ant1	5755	0.19	≤30	PASS
		5795	0.03	≤30	PASS

Test Graphs

