

Appendix Test Data

Report No.:	18220WC20158403	Test Sample No.:	1-2-2
Start Test Date:	2022.7.25	Finish Test Date:	2022.7.28
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	27.6°C	Relative Humidity:	38 %
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	25.720	5166.200	5191.920	---	PASS
		5200	25.280	5186.880	5212.160	---	PASS
		5240	25.320	5226.000	5251.320	---	PASS
		5745	22.240	5733.720	5755.960	---	PASS
		5785	26.520	5771.840	5798.360	---	PASS
		5825	25.640	5810.040	5835.680	---	PASS
11N20SISO	Ant1	5180	27.240	5165.040	5192.280	---	PASS
		5200	24.520	5186.960	5211.480	---	PASS
		5240	24.640	5228.880	5253.520	---	PASS
		5745	28.680	5731.360	5760.040	---	PASS
		5785	26.920	5771.720	5798.640	---	PASS
		5825	27.280	5812.480	5839.760	---	PASS
11N40SISO	Ant1	5190	40.000	5170.080	5210.080	---	PASS
		5230	42.000	5210.400	5252.400	---	PASS
		5755	45.360	5730.200	5775.560	---	PASS
		5795	42.880	5772.680	5815.560	---	PASS
11AC20SISO	Ant1	5180	27.680	5166.240	5193.920	---	PASS
		5200	24.160	5187.600	5211.760	---	PASS
		5240	22.240	5228.000	5250.240	---	PASS
		5745	24.200	5732.680	5756.880	---	PASS
		5785	24.760	5771.680	5796.440	---	PASS
		5825	27.240	5811.080	5838.320	---	PASS
11AC40SISO	Ant1	5190	40.640	5169.520	5210.160	---	PASS
		5230	45.840	5209.280	5255.120	---	PASS
		5755	39.920	5735.000	5774.920	---	PASS

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		5795	39.920	5774.840	5814.760	---	PASS
11AC80SISO	Ant1	5210	84.640	5167.920	5252.560	---	PASS
		5775	79.680	5734.840	5814.520	---	PASS

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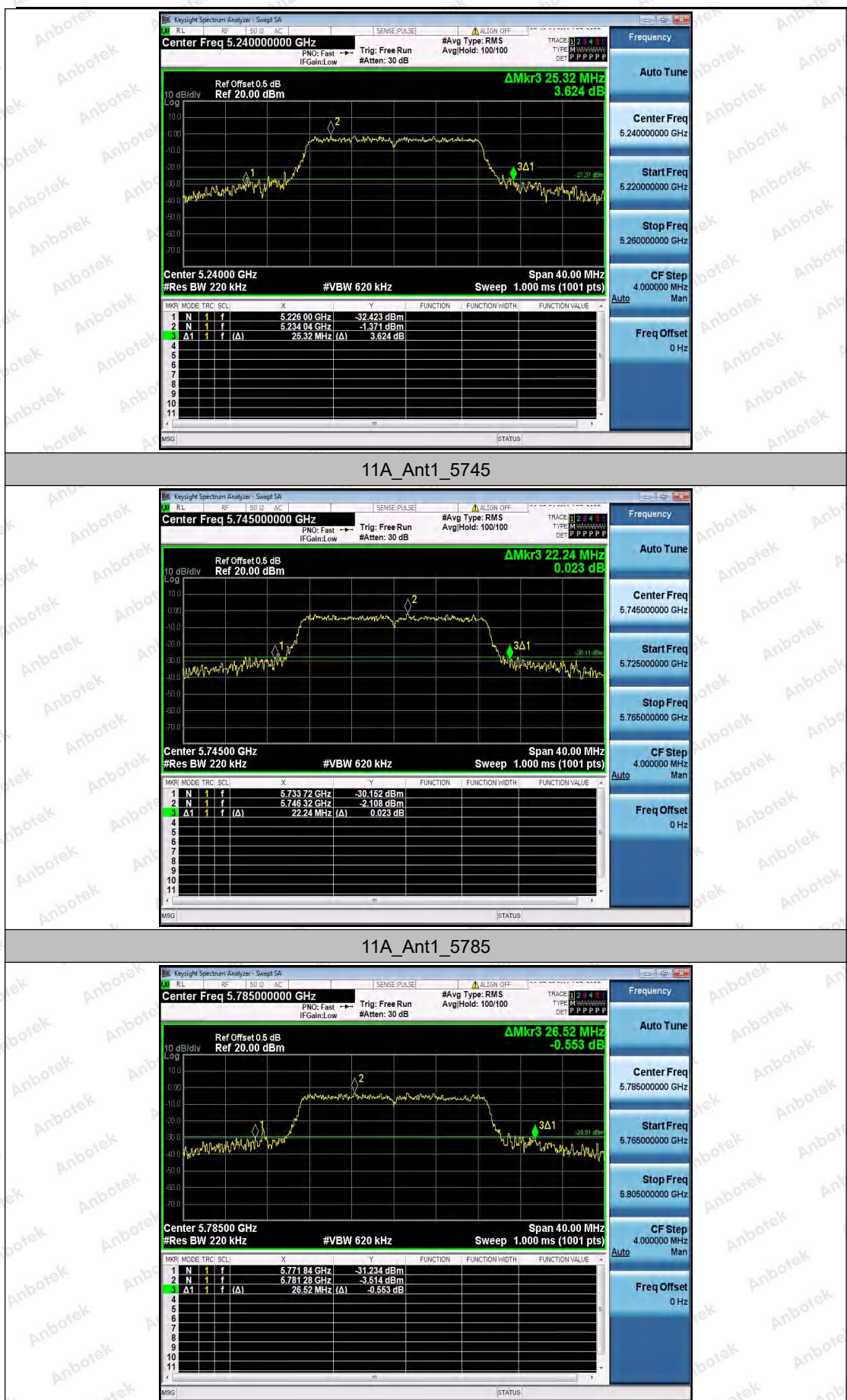
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Test Graphs





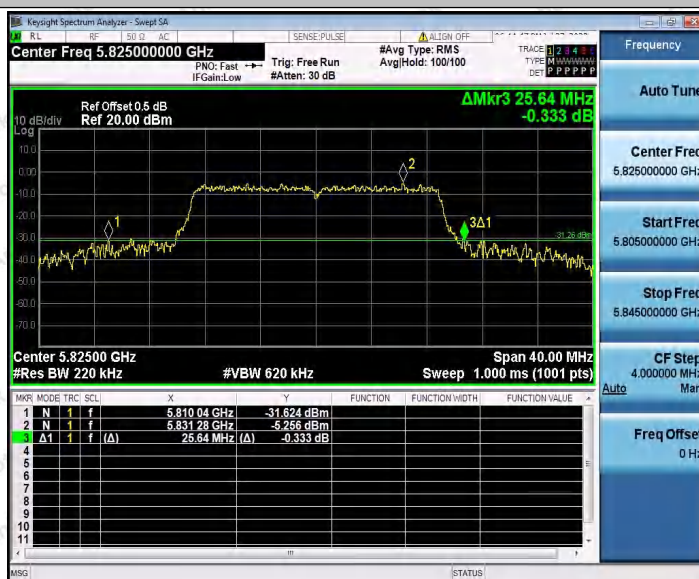
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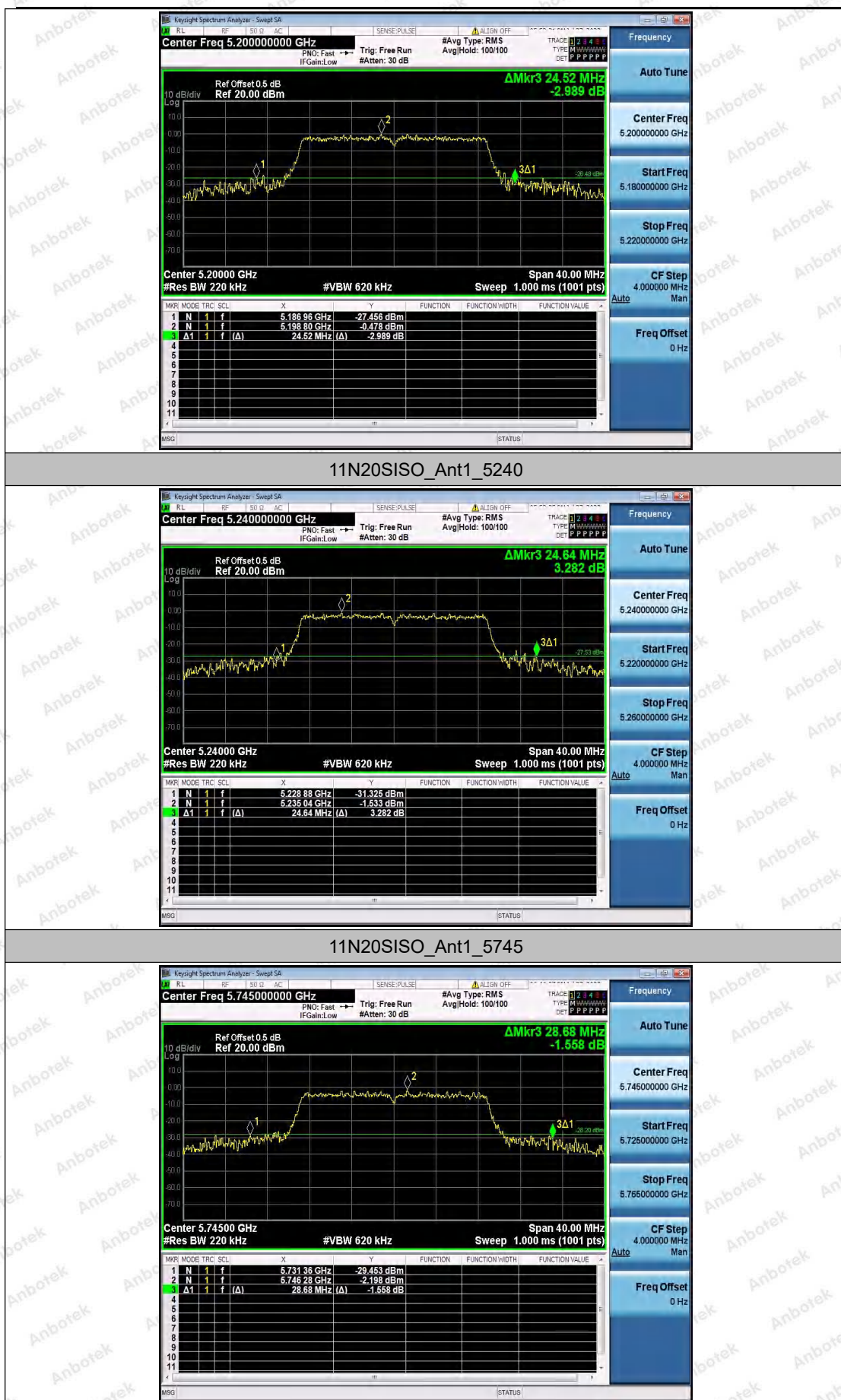
11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



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11N20SISO_Ant1_5785



11N20SISO_Ant1_5825

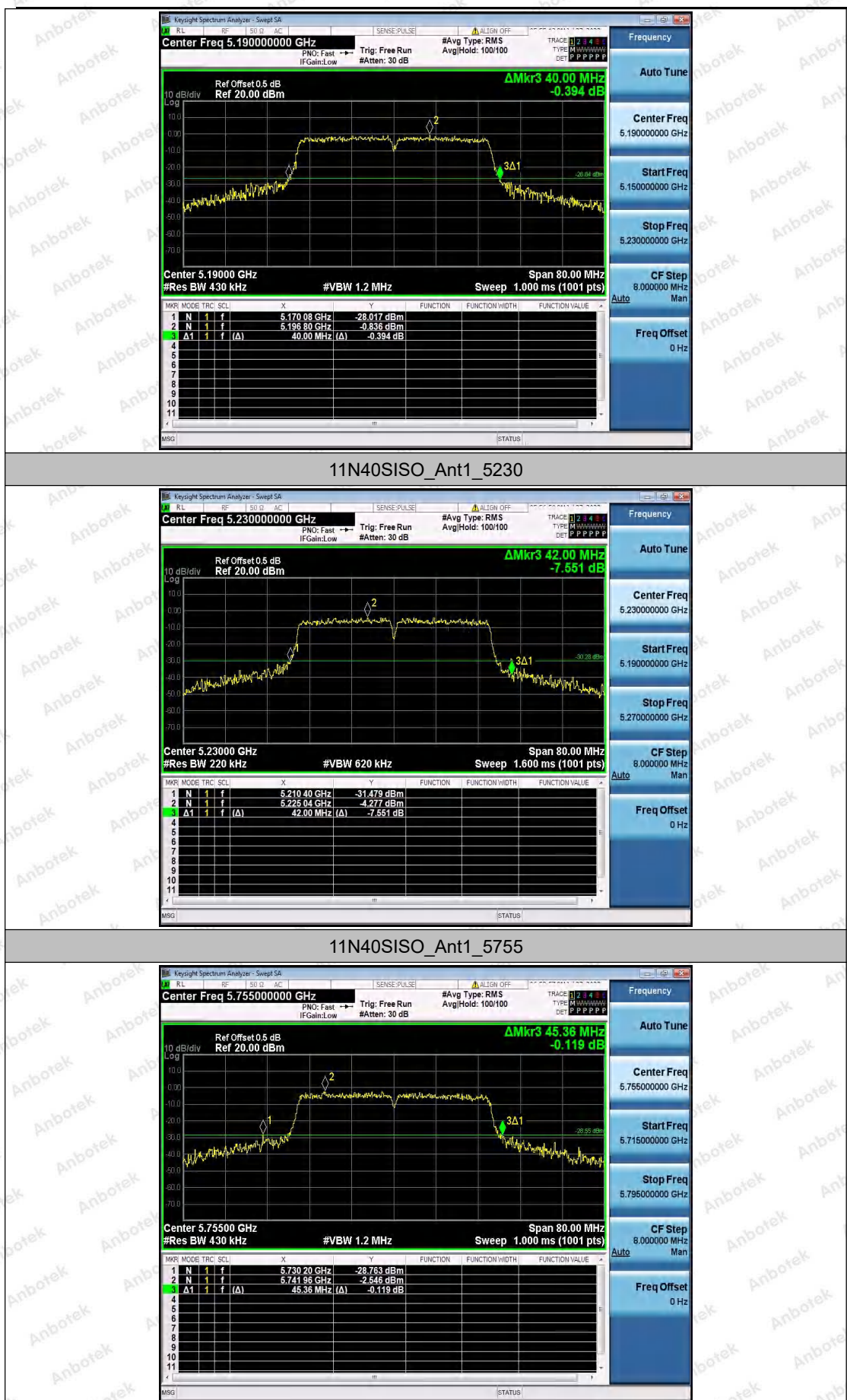


11N40SISO_Ant1_5190

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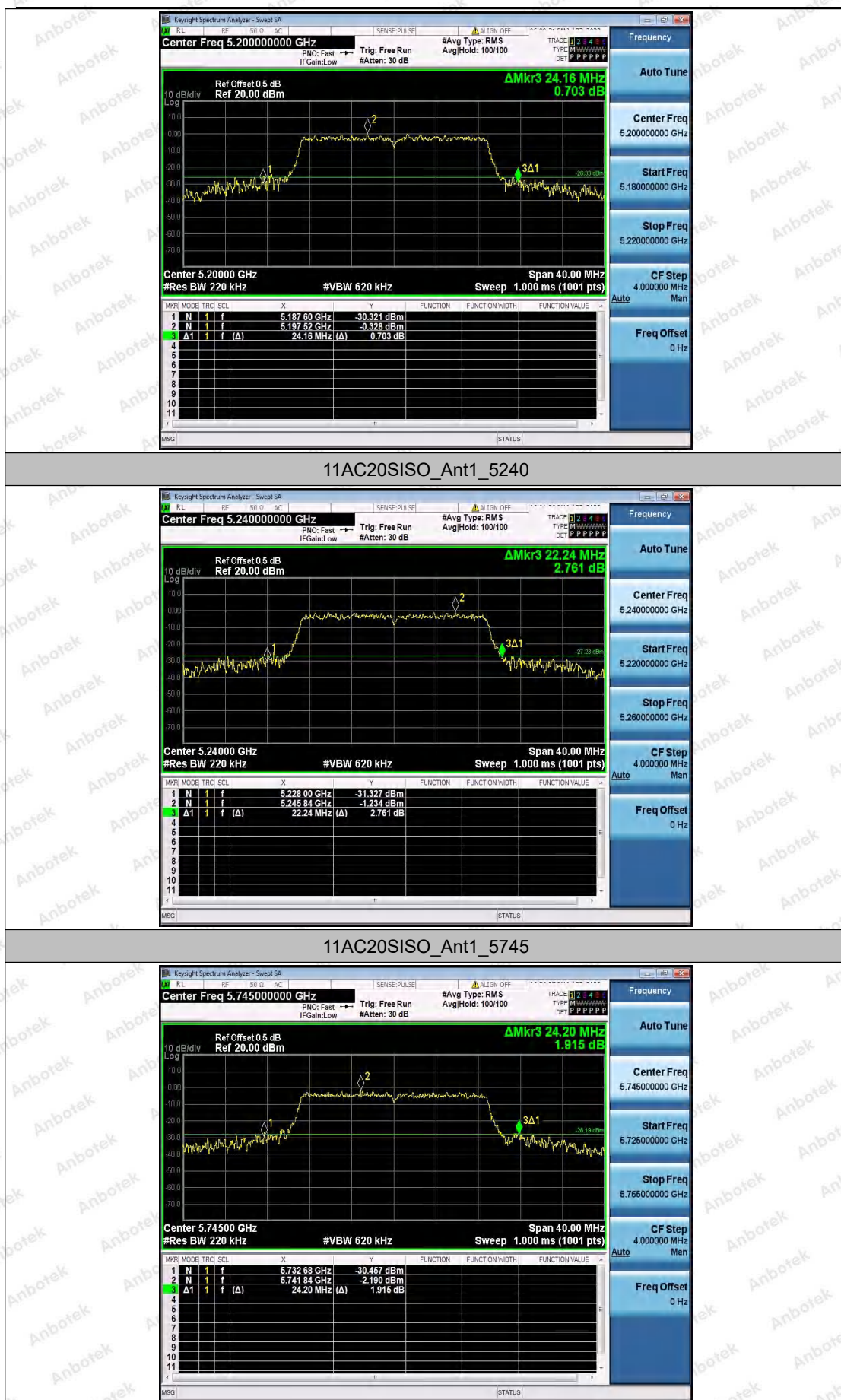
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11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200

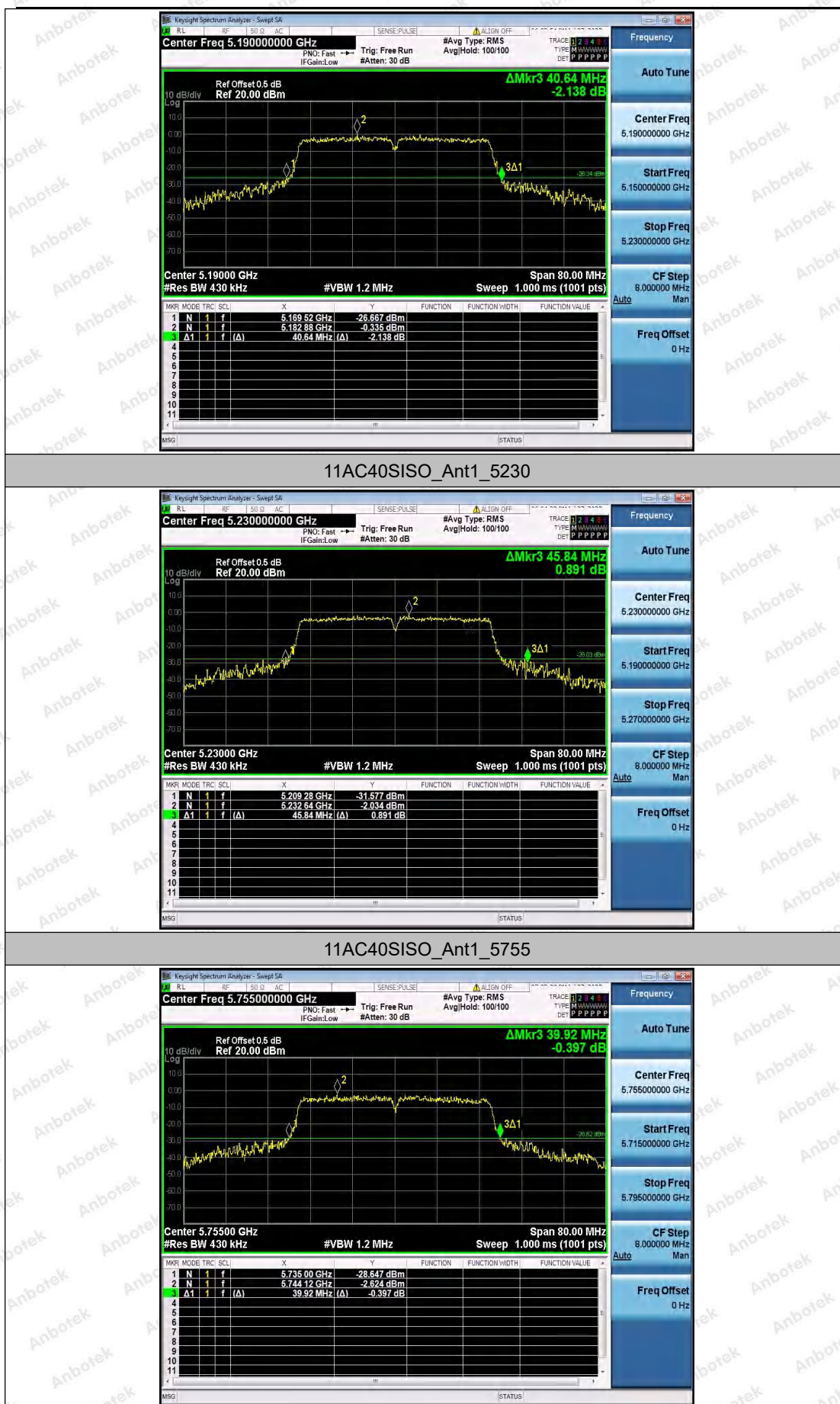


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Appendix A2: Occupied channel bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.165	5171.450	5188.615	---	PASS
		5200	17.249	5191.402	5208.651	---	PASS
		5240	17.227	5231.390	5248.617	---	PASS
		5745	18.133	5735.954	5754.087	---	PASS
		5785	18.071	5775.955	5794.026	---	PASS
		5825	18.172	5815.935	5834.107	---	PASS
11N20SISO	Ant1	5180	18.037	5171.026	5189.063	---	PASS
		5200	18.076	5191.009	5209.085	---	PASS
		5240	18.065	5231.004	5249.069	---	PASS
		5745	18.082	5735.957	5754.039	---	PASS
		5785	18.126	5775.955	5794.081	---	PASS
		5825	18.129	5815.925	5834.054	---	PASS
11N40SISO	Ant1	5190	36.116	5172.016	5208.132	---	PASS
		5230	36.135	5212.014	5248.149	---	PASS
		5755	36.180	5736.903	5773.083	---	PASS
		5795	36.196	5776.901	5813.097	---	PASS
11AC20SISO	Ant1	5180	18.077	5170.995	5189.072	---	PASS
		5200	18.136	5190.962	5209.098	---	PASS
		5240	18.132	5230.953	5249.085	---	PASS
		5745	18.101	5735.978	5754.079	---	PASS
		5785	18.103	5775.958	5794.061	---	PASS
		5825	18.089	5815.969	5834.058	---	PASS
11AC40SISO	Ant1	5190	36.182	5171.960	5208.142	---	PASS
		5230	36.222	5211.991	5248.213	---	PASS
		5755	36.231	5736.912	5773.143	---	PASS
		5795	36.229	5776.897	5813.126	---	PASS
11AC80SISO	Ant1	5210	75.515	5172.401	5247.916	---	PASS
		5775	75.462	5737.198	5812.660	---	PASS

Test Graphs



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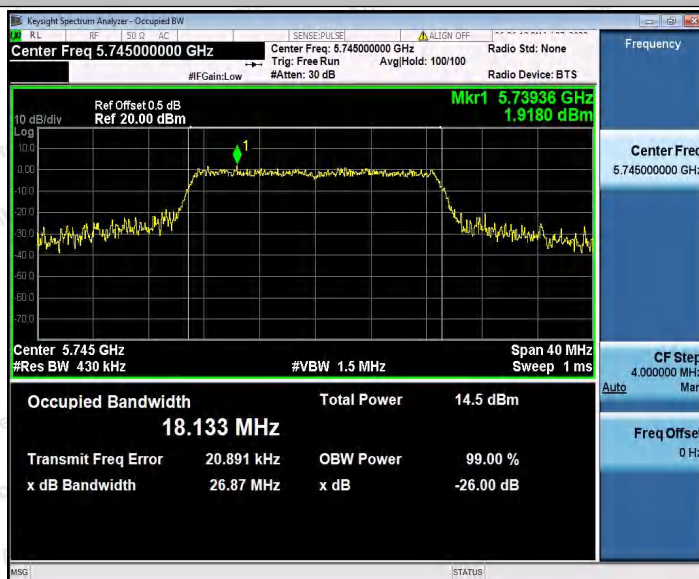
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11A_Ant1_5745



11A_Ant1_5785

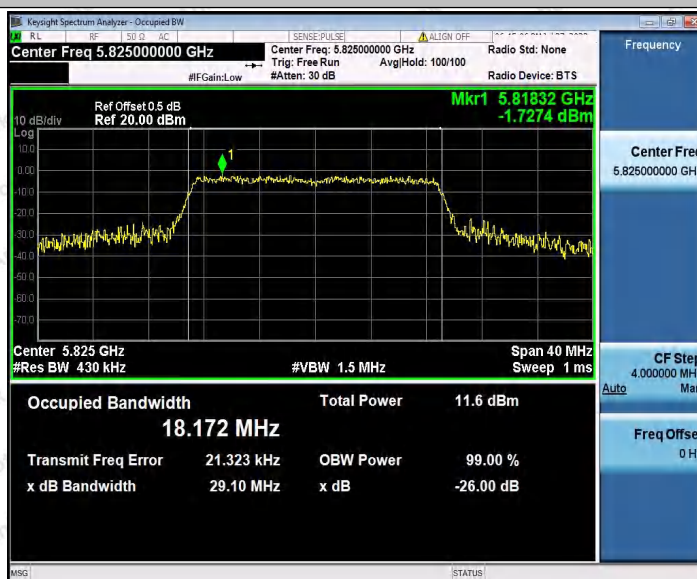


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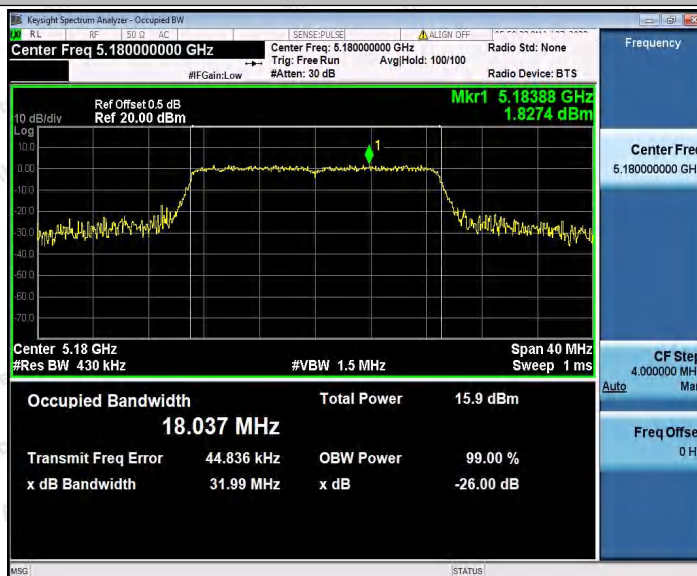
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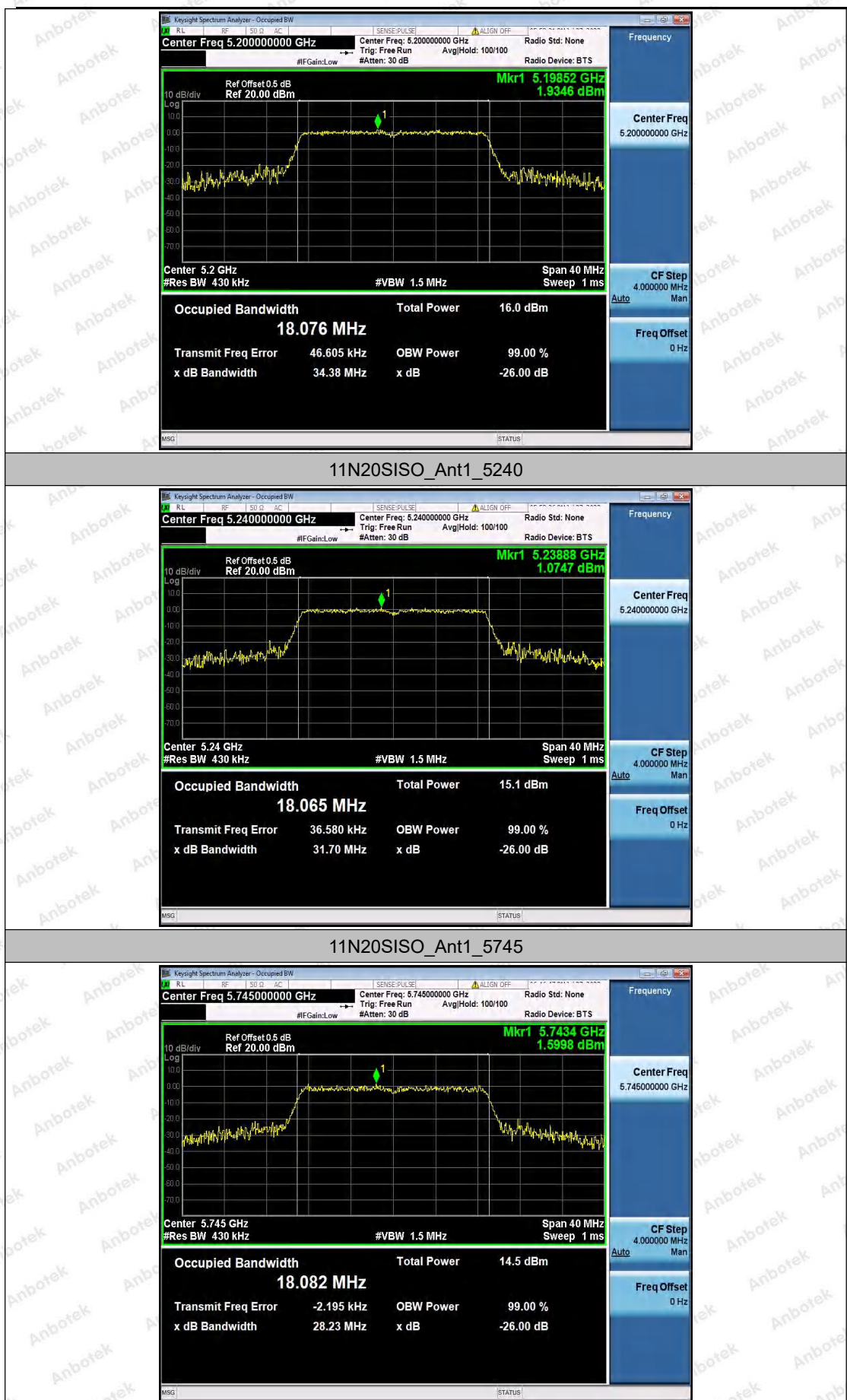
11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



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11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5190

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11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



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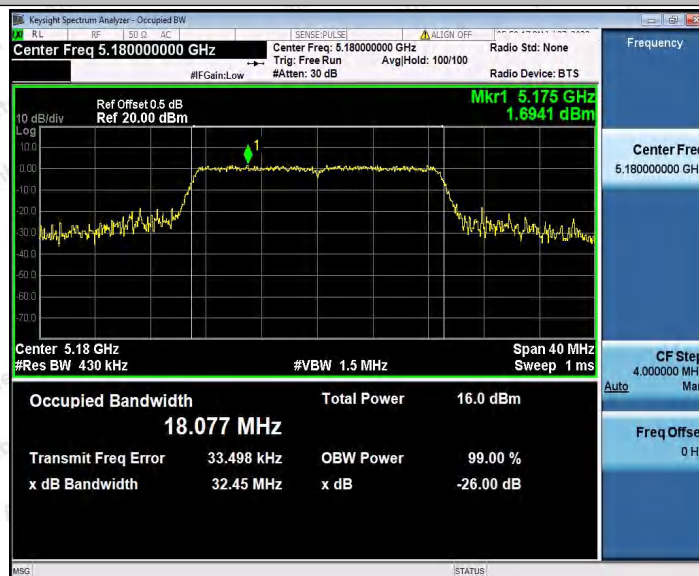
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11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200

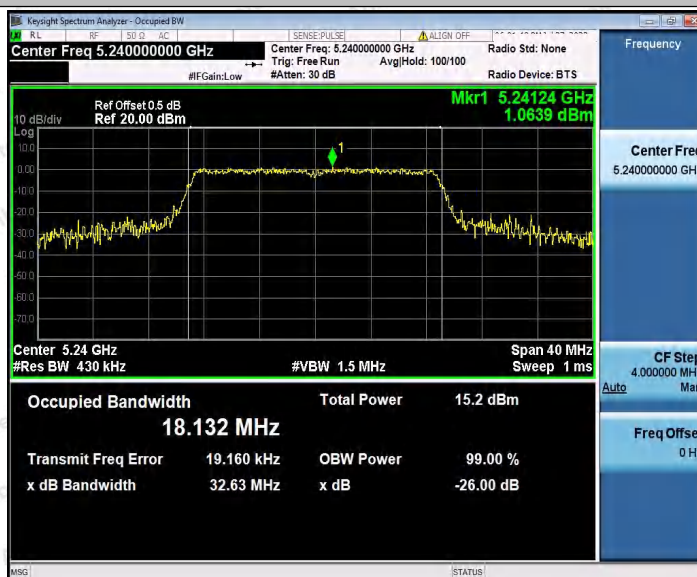
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11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5745



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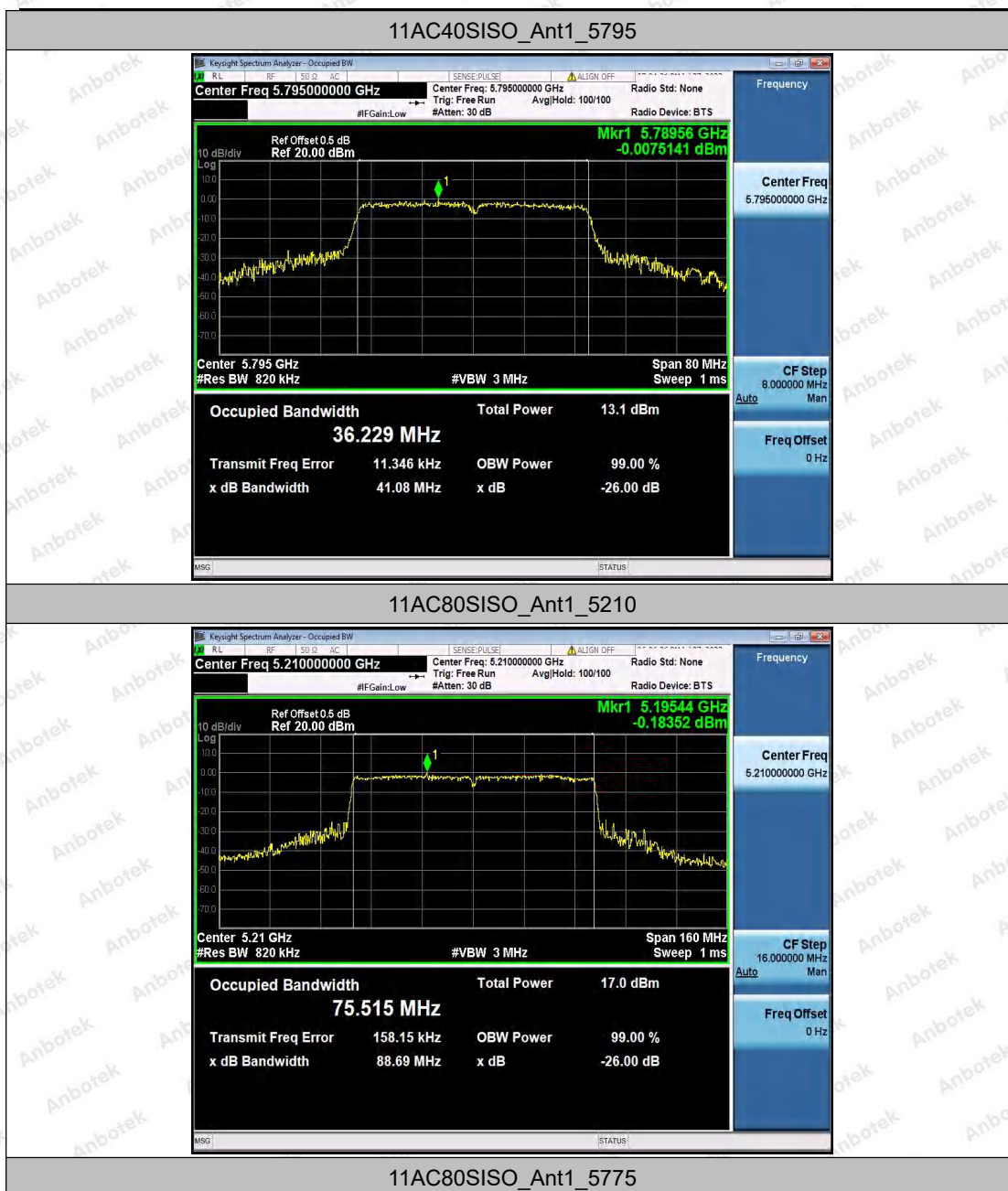
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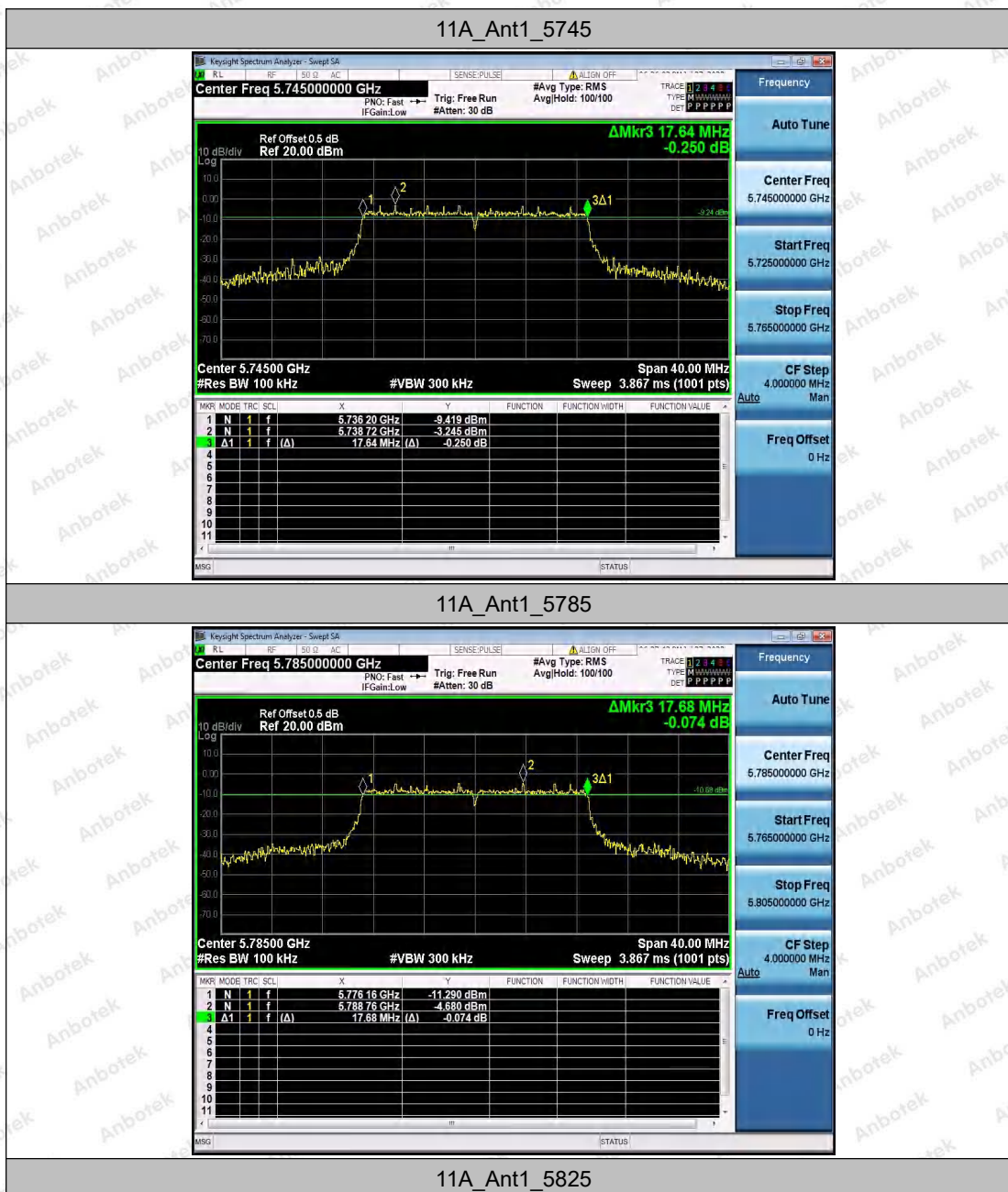
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Appendix A3: Min emission bandwidth

Test Result

Test Mode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	17.640	5736.200	5753.840	0.5	PASS
		5785	17.680	5776.160	5793.840	0.5	PASS
		5825	17.680	5816.160	5833.840	0.5	PASS
11N20SISO	Ant1	5745	17.640	5736.200	5753.840	0.5	PASS
		5785	17.680	5776.160	5793.840	0.5	PASS
		5825	17.640	5816.200	5833.840	0.5	PASS
11N40SISO	Ant1	5755	35.920	5736.840	5772.760	0.5	PASS
		5795	35.600	5777.000	5812.600	0.5	PASS
11AC20SISO	Ant1	5745	17.600	5736.200	5753.800	0.5	PASS
		5785	17.680	5776.160	5793.840	0.5	PASS
		5825	17.640	5816.200	5833.840	0.5	PASS
11AC40SISO	Ant1	5755	35.840	5737.000	5772.840	0.5	PASS
		5795	35.440	5777.160	5812.600	0.5	PASS
11AC80SISO	Ant1	5775	75.520	5737.080	5812.600	0.5	PASS

Test Graphs



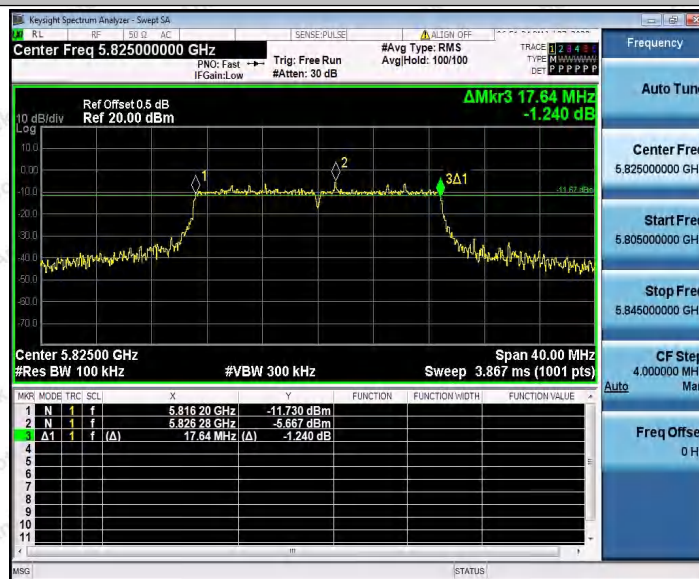


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11N20SISO_Ant1_5825



11N40SISO_Ant1_5755

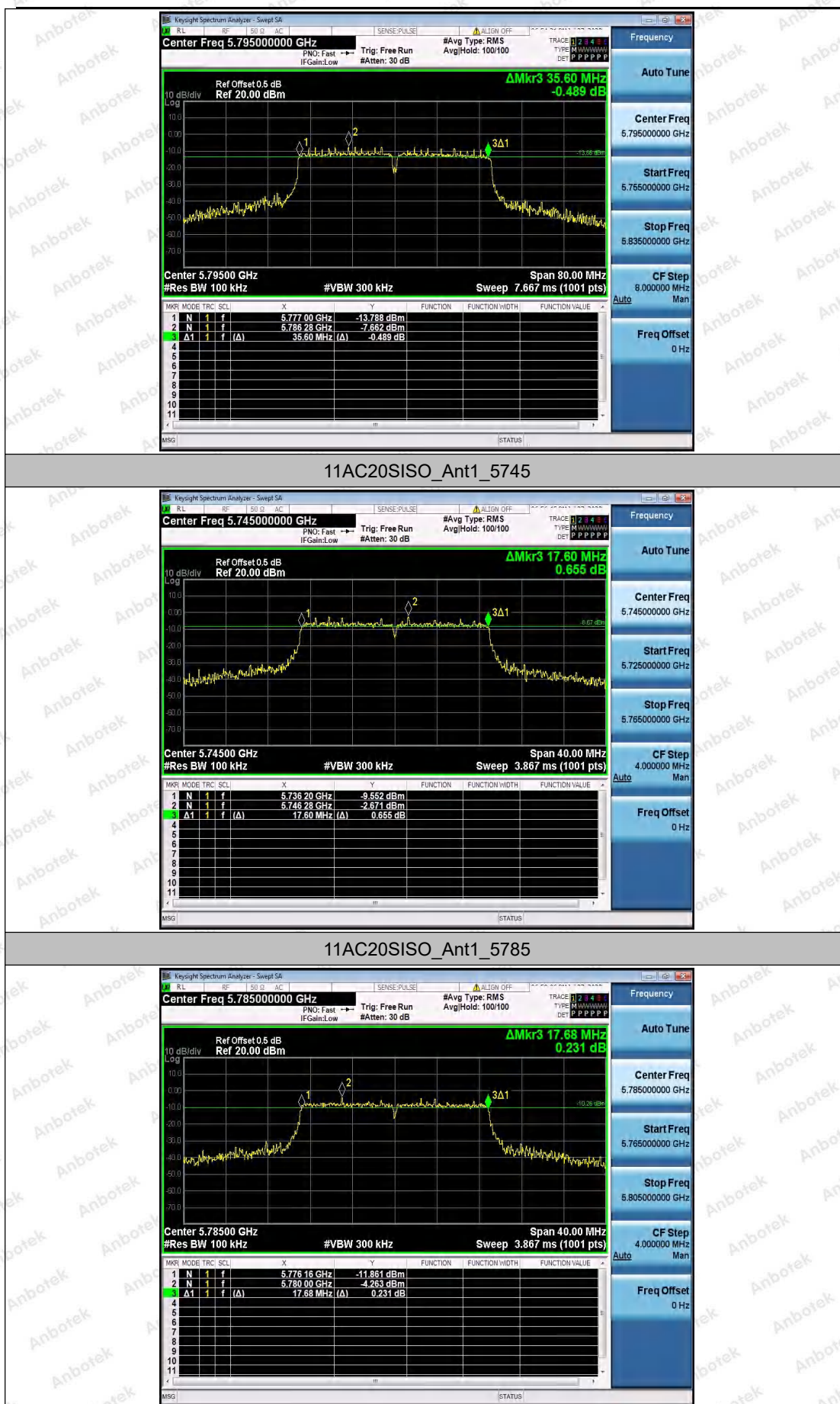


11N40SISO_Ant1_5795

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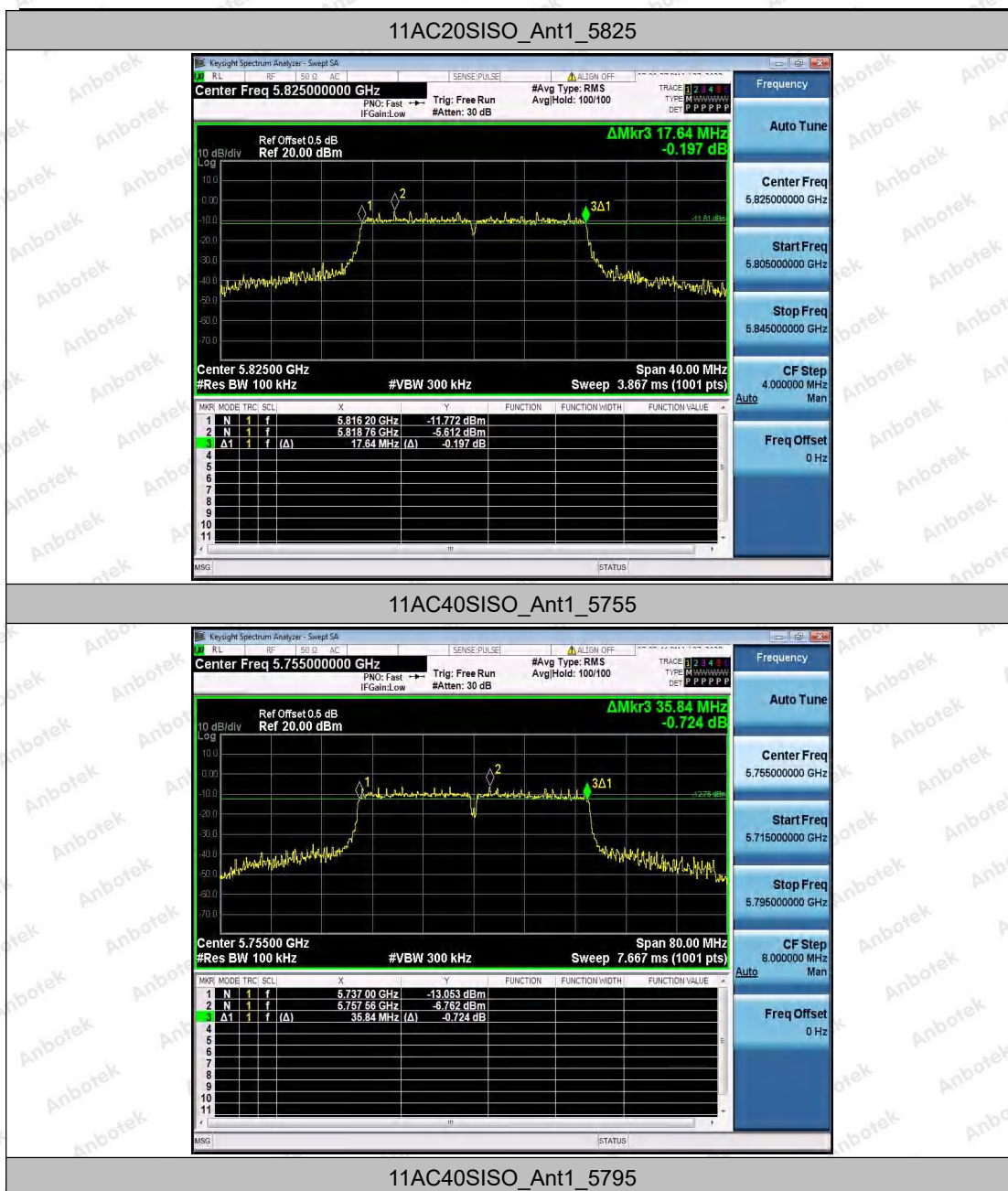
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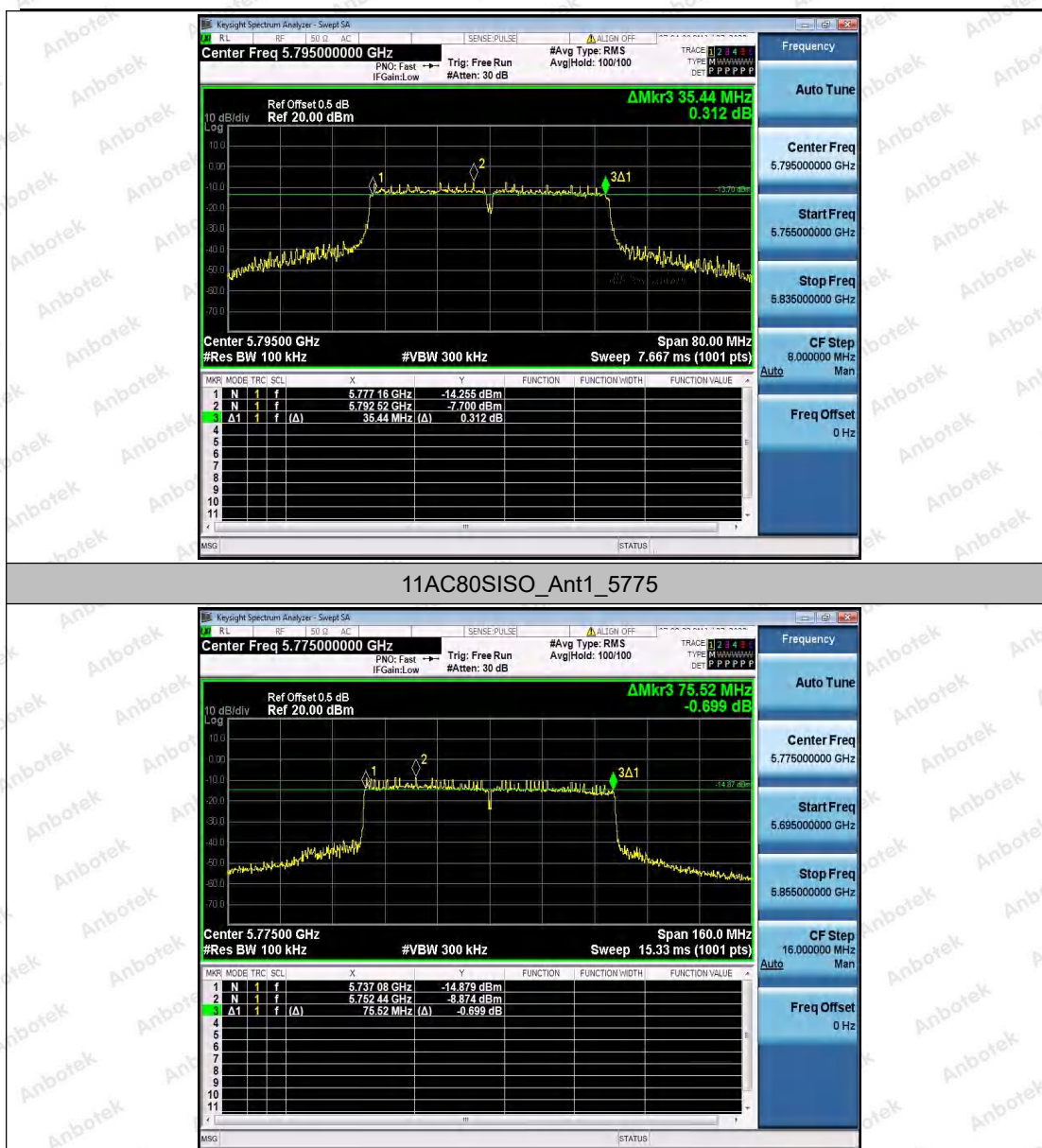


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Appendix B: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	15.32	≤23.98	PASS
		5200	15.14	≤23.98	PASS
		5240	14.40	≤23.98	PASS
		5745	13.87	≤30	PASS
		5785	12.58	≤30	PASS
		5825	11.19	≤30	PASS
11N20SISO	Ant1	5180	15.28	≤23.98	PASS
		5200	15.25	≤23.98	PASS
		5240	14.50	≤23.98	PASS
		5745	13.71	≤30	PASS
		5785	12.54	≤30	PASS
		5825	11.17	≤30	PASS
11N40SISO	Ant1	5190	15.31	≤23.98	PASS
		5230	14.55	≤23.98	PASS
		5755	13.61	≤30	PASS
		5795	12.23	≤30	PASS
11AC20SISO	Ant1	5180	15.35	≤23.98	PASS
		5200	15.32	≤23.98	PASS
		5240	14.56	≤23.98	PASS
		5745	13.95	≤30	PASS
		5785	12.55	≤30	PASS
		5825	11.11	≤30	PASS
11AC40SISO	Ant1	5190	17.42	≤23.98	PASS
		5230	14.54	≤23.98	PASS
		5755	15.47	≤30	PASS
		5795	12.05	≤30	PASS
11AC80SISO	Ant1	5210	16.32	≤23.98	PASS
		5775	13.75	≤30	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	6.41	≤11	PASS
		5200	6.33	≤11	PASS
		5240	5.35	≤11	PASS
11N20SISO	Ant1	5180	6.04	≤11	PASS
		5200	6.12	≤11	PASS
		5240	5.12	≤11	PASS
11N40SISO	Ant1	5190	3.05	≤11	PASS
		5230	2.26	≤11	PASS
11AC20SISO	Ant1	5180	6.06	≤11	PASS
		5200	6.13	≤11	PASS
		5240	5.3	≤11	PASS
11AC40SISO	Ant1	5190	2.9	≤11	PASS
		5230	2.22	≤11	PASS
11AC80SISO	Ant1	5210	-0.04	≤11	PASS

Test Mode	Antenna	Channel	Result [dBm/500KHz]	Limit [dBm/500KHz]	Verdict
11A	Ant1	5745	1.39	≤30	PASS
		5785	-0.55	≤30	PASS
		5825	-2	≤30	PASS
11N20SISO	Ant1	5745	1.79	≤30	PASS
		5785	0.13	≤30	PASS
		5825	-2.07	≤30	PASS
11N40SISO	Ant1	5755	-2.27	≤30	PASS
		5795	-4.51	≤30	PASS
11AC20SISO	Ant1	5745	1.31	≤30	PASS
		5785	-0.08	≤30	PASS
		5825	-1.75	≤30	PASS
11AC40SISO	Ant1	5755	-2.28	≤30	PASS
		5795	-3.6	≤30	PASS
11AC80SISO	Ant1	5775	-5.43	≤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.

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Test Graphs

