

Appendix Test Data

Report No.:	18220WC20024001	Test Sample No.:	1-2-2
Start Test Date:	2022.2.21	Finish Test Date:	2022.2.24
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	56 %
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	21.040	5169.560	5190.600	---	PASS
		5200	21.000	5189.520	5210.520	---	PASS
		5240	20.840	5229.600	5250.440	---	PASS
11N20SISO	Ant1	5180	21.280	5169.440	5190.720	---	PASS
		5200	21.280	5189.320	5210.600	---	PASS
		5240	21.200	5229.320	5250.520	---	PASS
11N40SISO	Ant1	5190	39.440	5170.400	5209.840	---	PASS
		5230	39.200	5210.320	5249.520	---	PASS
11AC20SISO	Ant1	5180	21.200	5169.440	5190.640	---	PASS
		5200	21.240	5189.360	5210.600	---	PASS
		5240	21.120	5229.520	5250.640	---	PASS
11AC40SISO	Ant1	5190	39.680	5170.160	5209.840	---	PASS
		5230	39.760	5210.080	5249.840	---	PASS
11AC80SISO	Ant1	5210	80.160	5170.000	5250.160	---	PASS

Test Graphs





11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



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11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230

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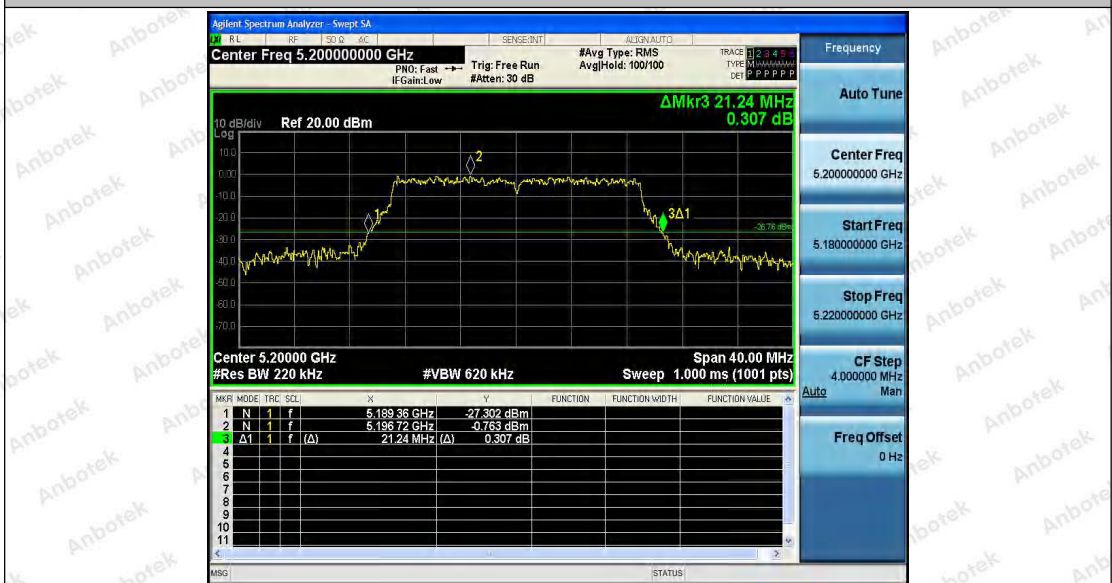
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11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



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11AC80SISO_Ant1_5210



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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	16.871	5171.661	5188.532	---	PASS
		5200	16.832	5191.641	5208.473	---	PASS
		5240	16.901	5231.608	5248.509	---	PASS
11N20SISO	Ant1	5180	18.090	5171.006	5189.096	---	PASS
		5200	18.210	5190.935	5209.145	---	PASS
		5240	18.042	5230.986	5249.028	---	PASS
11N40SISO	Ant1	5190	36.406	5171.844	5208.250	---	PASS
		5230	36.436	5211.778	5248.214	---	PASS
11AC20SISO	Ant1	5180	18.173	5170.972	5189.145	---	PASS
		5200	18.219	5190.925	5209.144	---	PASS
		5240	18.185	5230.921	5249.106	---	PASS
11AC40SISO	Ant1	5190	36.554	5171.776	5208.330	---	PASS
		5230	36.584	5211.690	5248.274	---	PASS
11AC80SISO	Ant1	5210	75.596	5172.189	5247.785	---	PASS

Test Graphs



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11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



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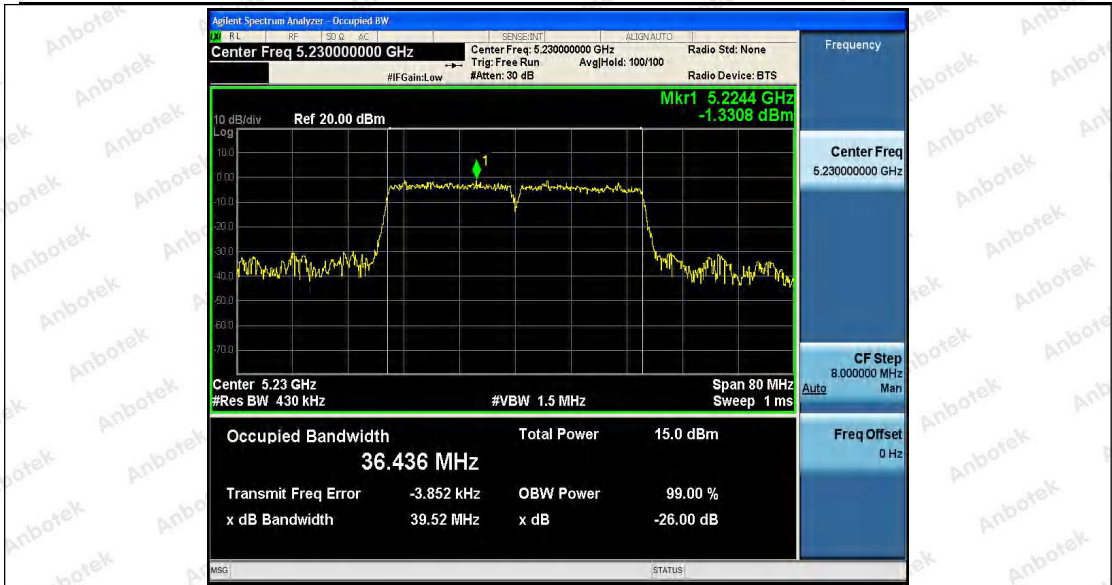
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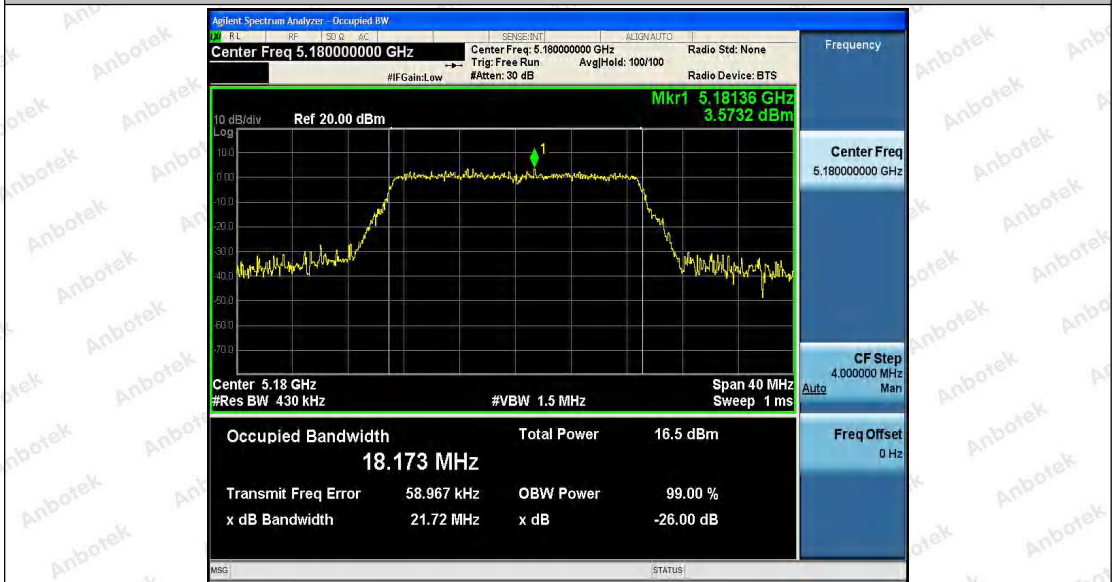
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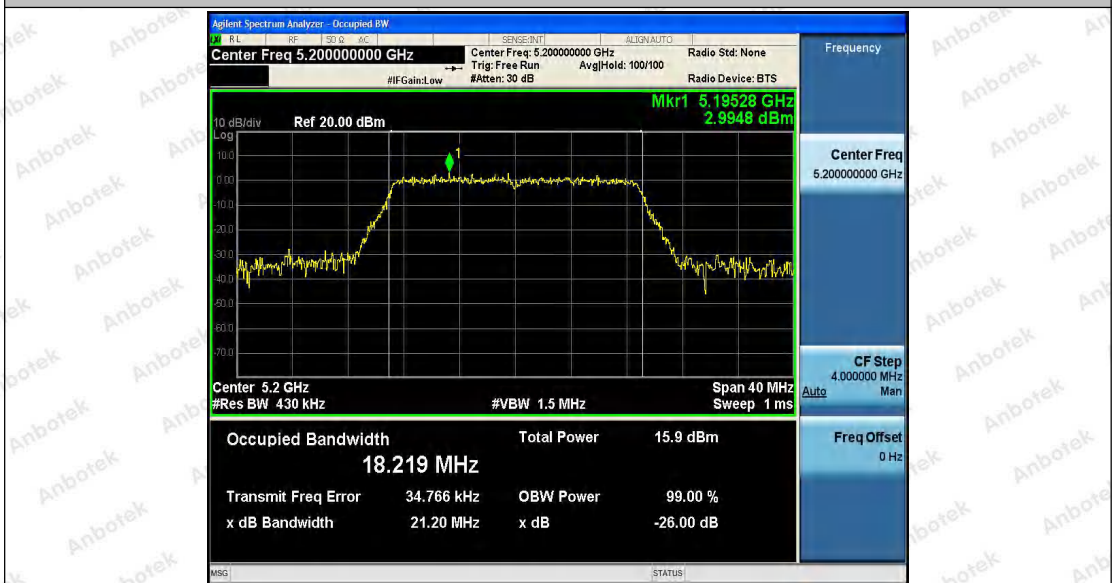
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11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200

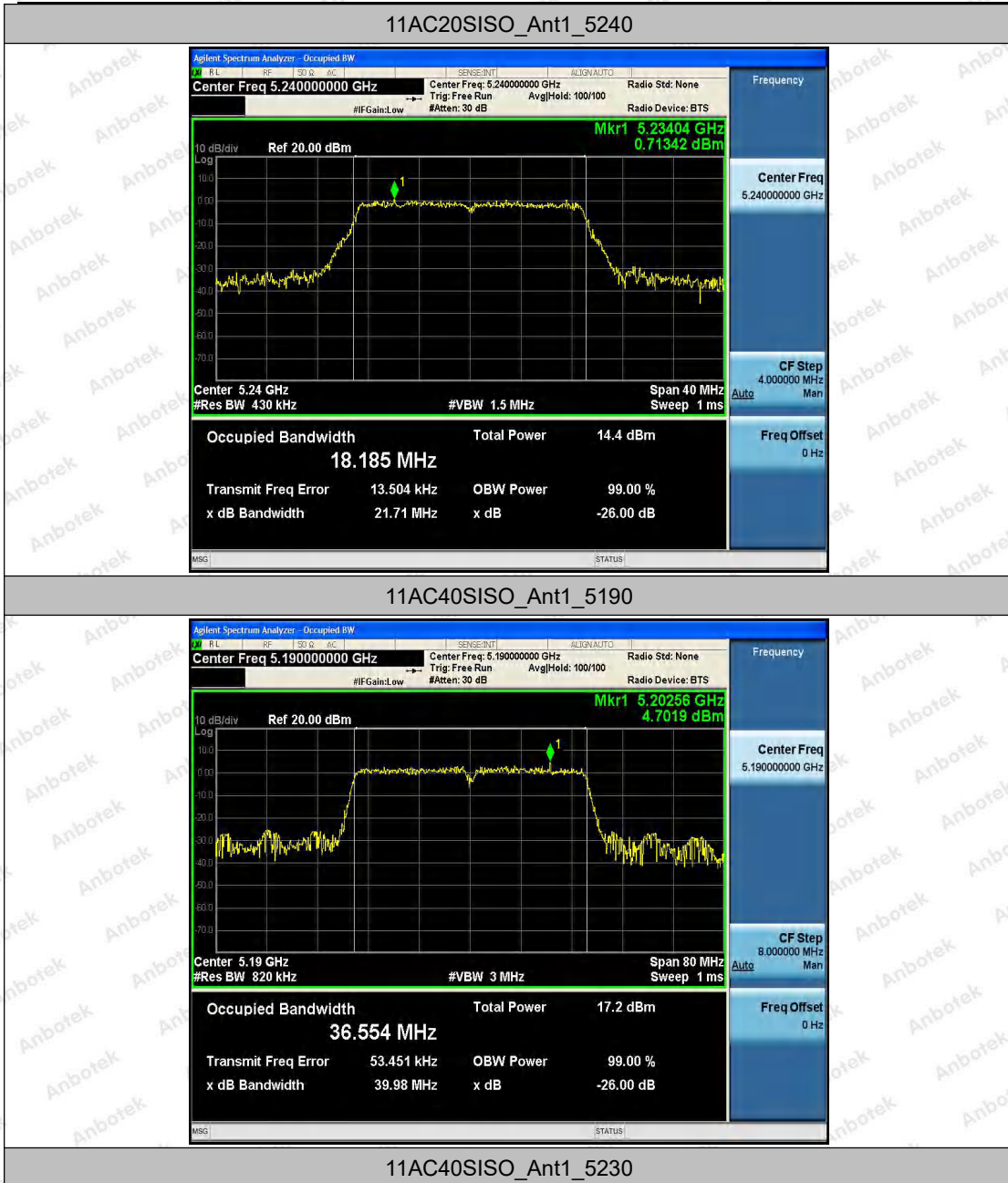


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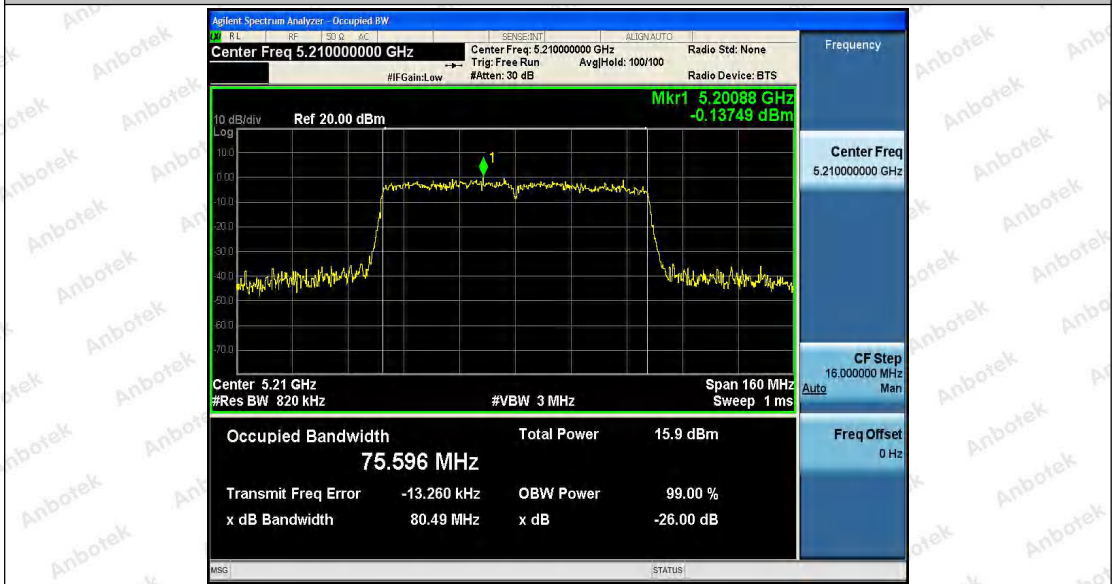
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11AC80SISO_Ant1_5210



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Appendix B: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	12.82	≤23.98	PASS
		5200	12.31	≤23.98	PASS
		5240	10.48	≤23.98	PASS
11N20SISO	Ant1	5180	10.01	≤23.98	PASS
		5200	12.13	≤23.98	PASS
		5240	10.36	≤23.98	PASS
11N40SISO	Ant1	5190	12.83	≤23.98	PASS
		5230	11.28	≤23.98	PASS
11AC20SISO	Ant1	5180	12.62	≤23.98	PASS
		5200	11.99	≤23.98	PASS
		5240	10.46	≤23.98	PASS
11AC40SISO	Ant1	5190	11.37	≤23.98	PASS
		5230	11.07	≤23.98	PASS
11AC80SISO	Ant1	5210	11.90	≤23.98	PASS

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

Appendix C: Maximum power spectral density

Test Result

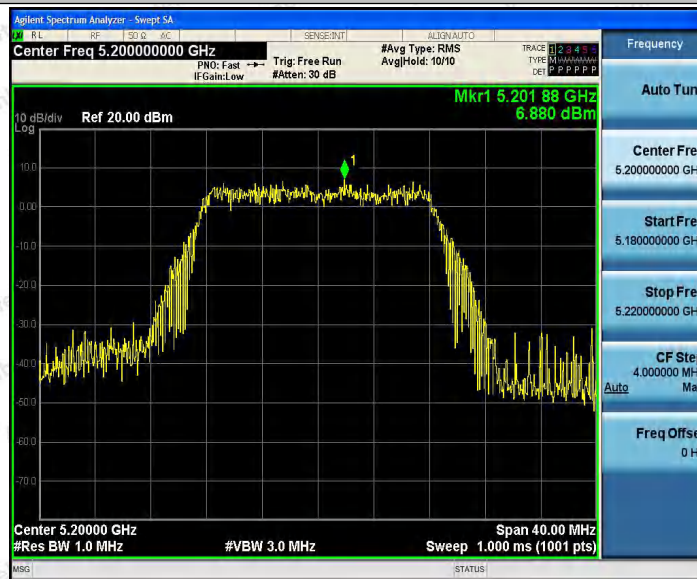
Test Mode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	7.34	≤11	PASS
		5200	6.88	≤11	PASS
		5240	4.8	≤11	PASS
11N20SISO	Ant1	5180	7.22	≤11	PASS
		5200	6.04	≤11	PASS
		5240	4.21	≤11	PASS
11N40SISO	Ant1	5190	3.31	≤11	PASS
		5230	1.34	≤11	PASS
11AC20SISO	Ant1	5180	6.1	≤11	PASS
		5200	5.24	≤11	PASS
		5240	4.52	≤11	PASS
11AC40SISO	Ant1	5190	4.05	≤11	PASS
		5230	2.2	≤11	PASS
11AC80SISO	Ant1	5210	0.72	≤11	PASS

Test Graphs

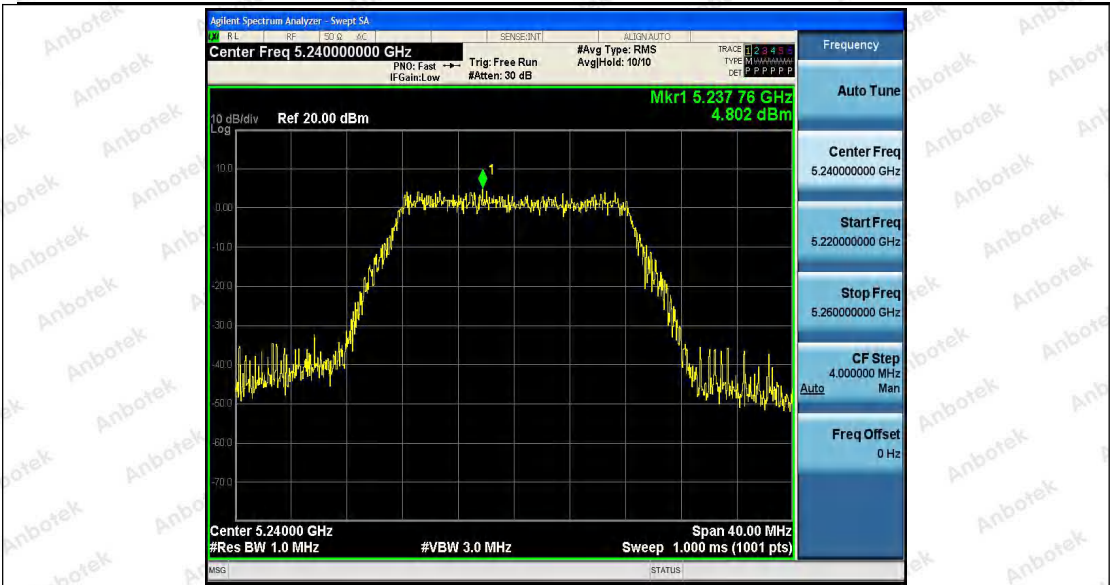
11A_Ant1_5180



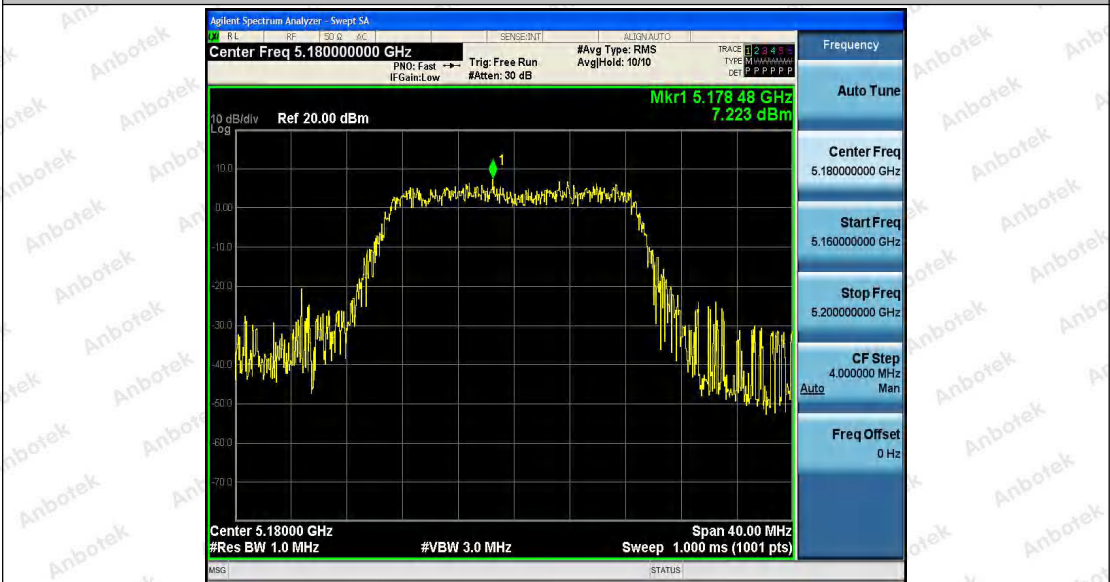
11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200

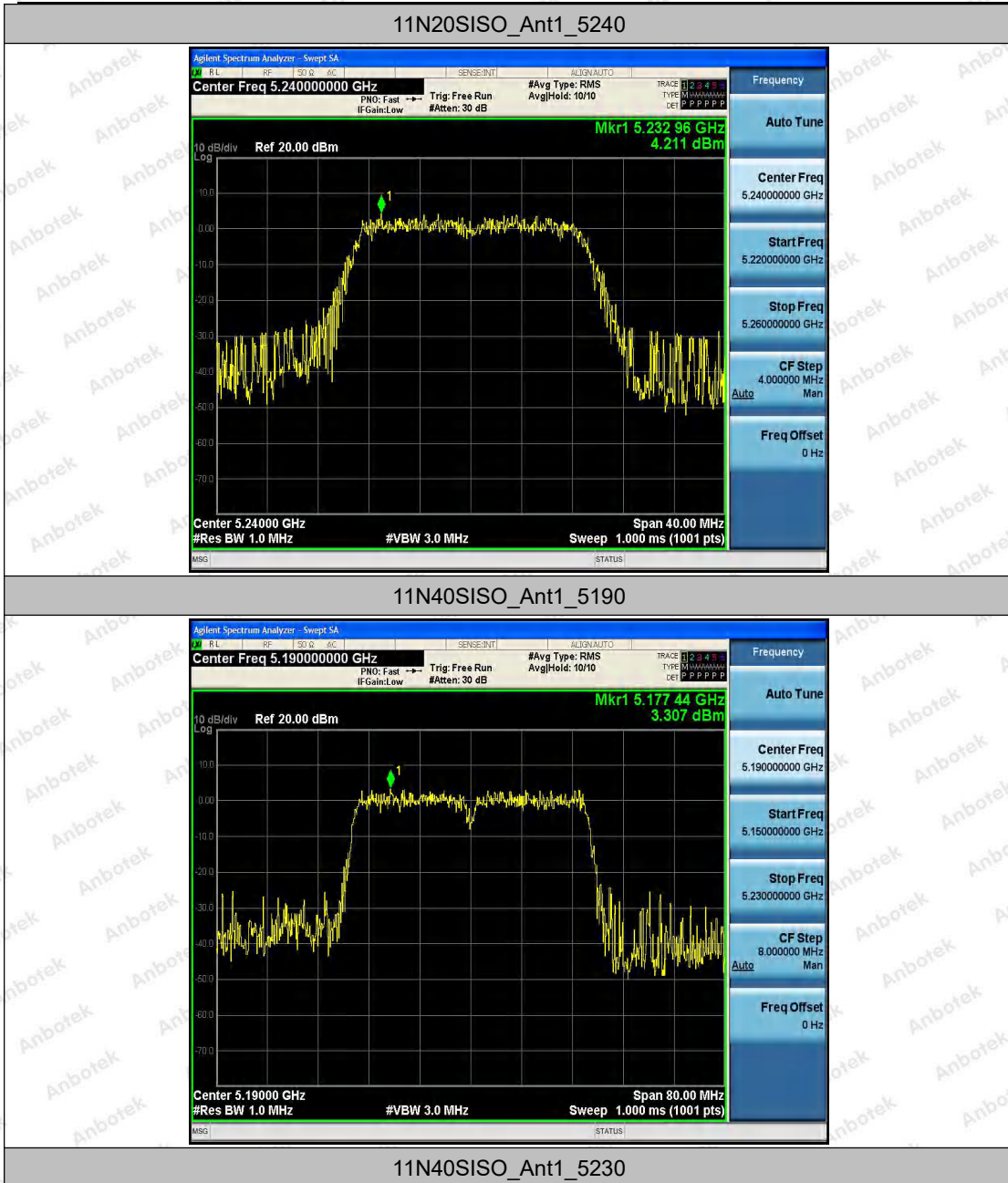


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11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200

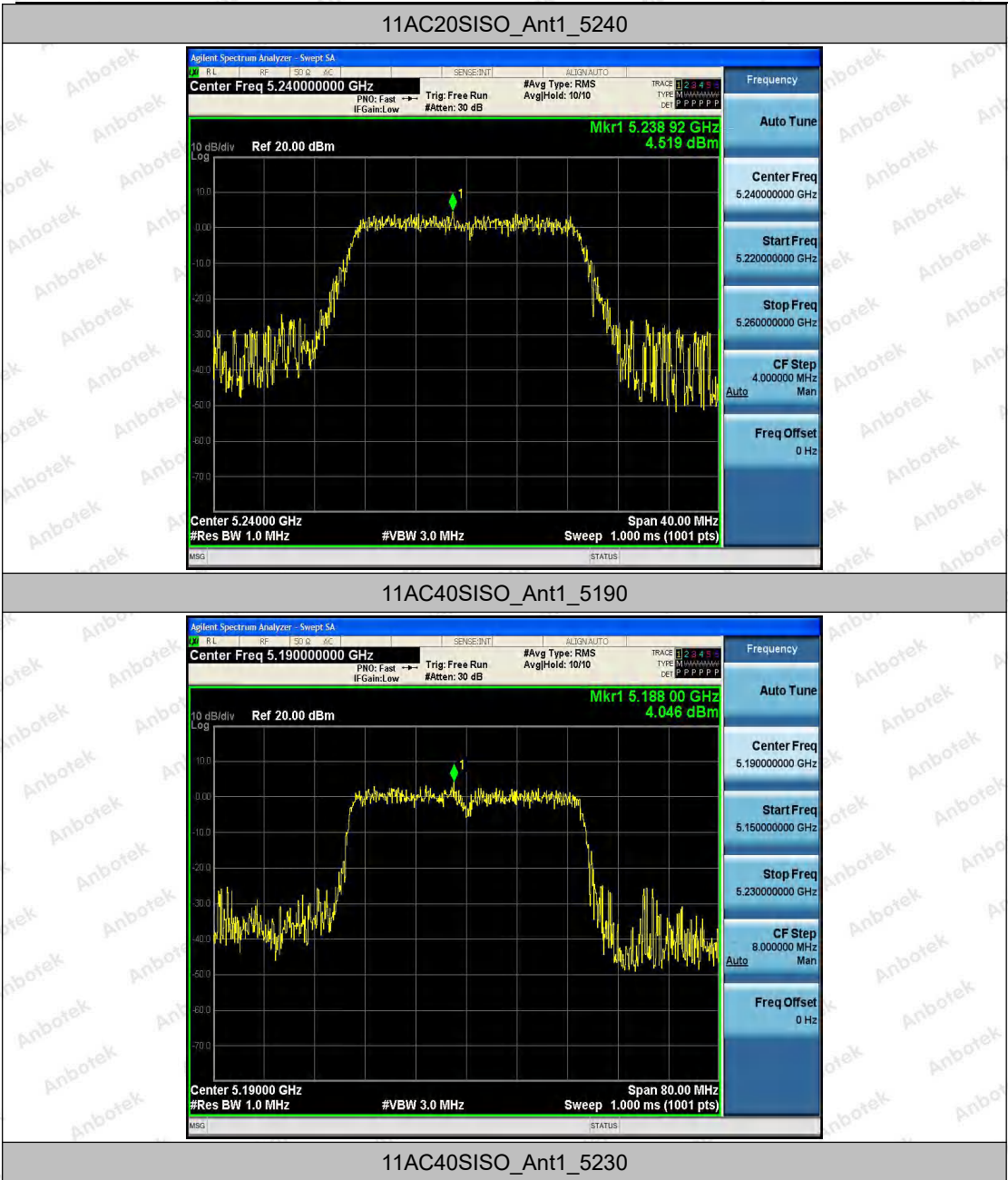


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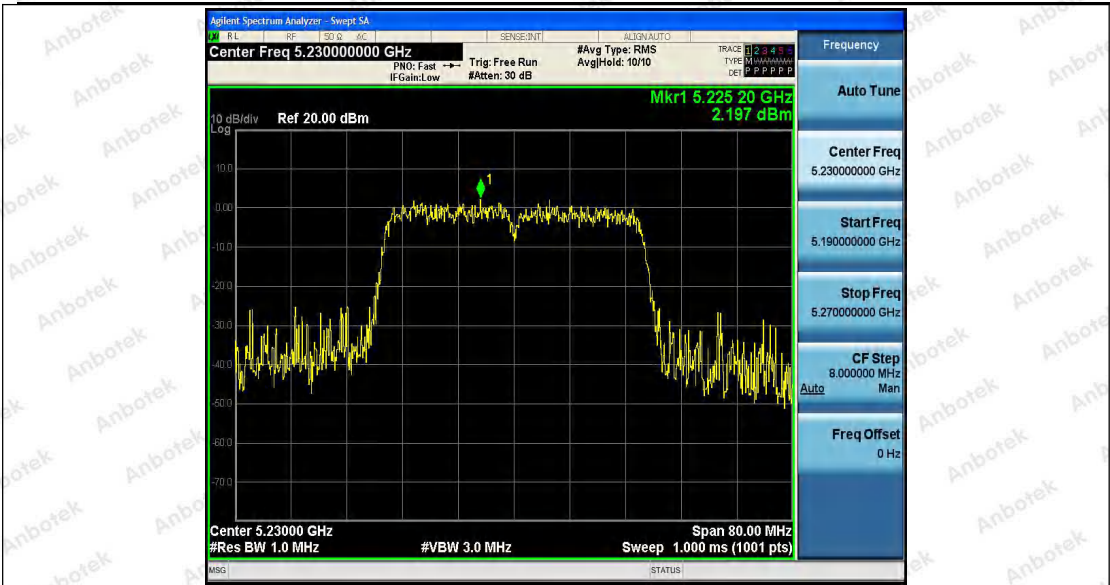


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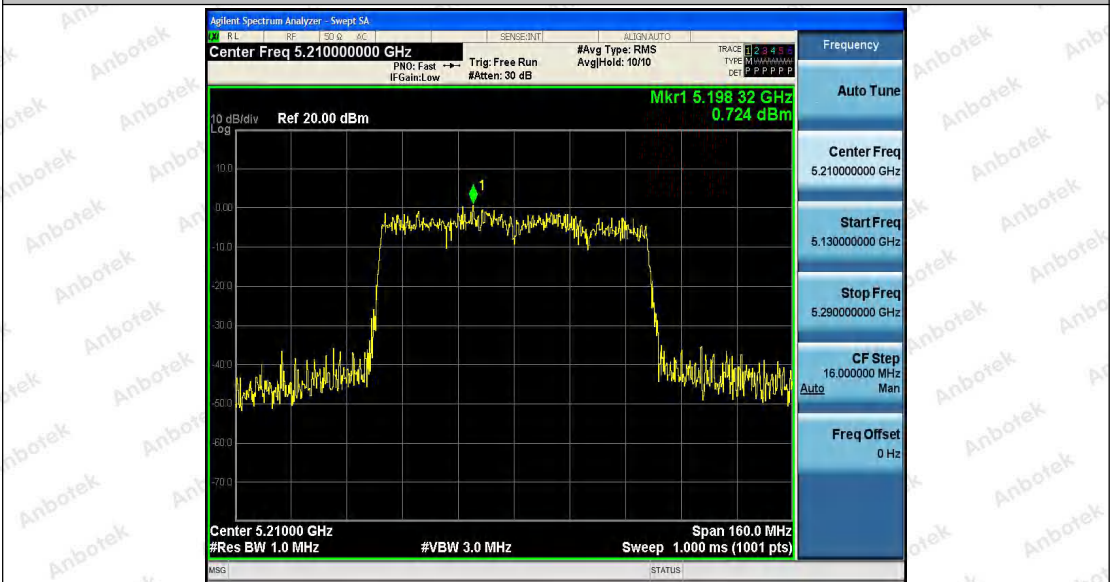
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11AC80SISO_Ant1_5210



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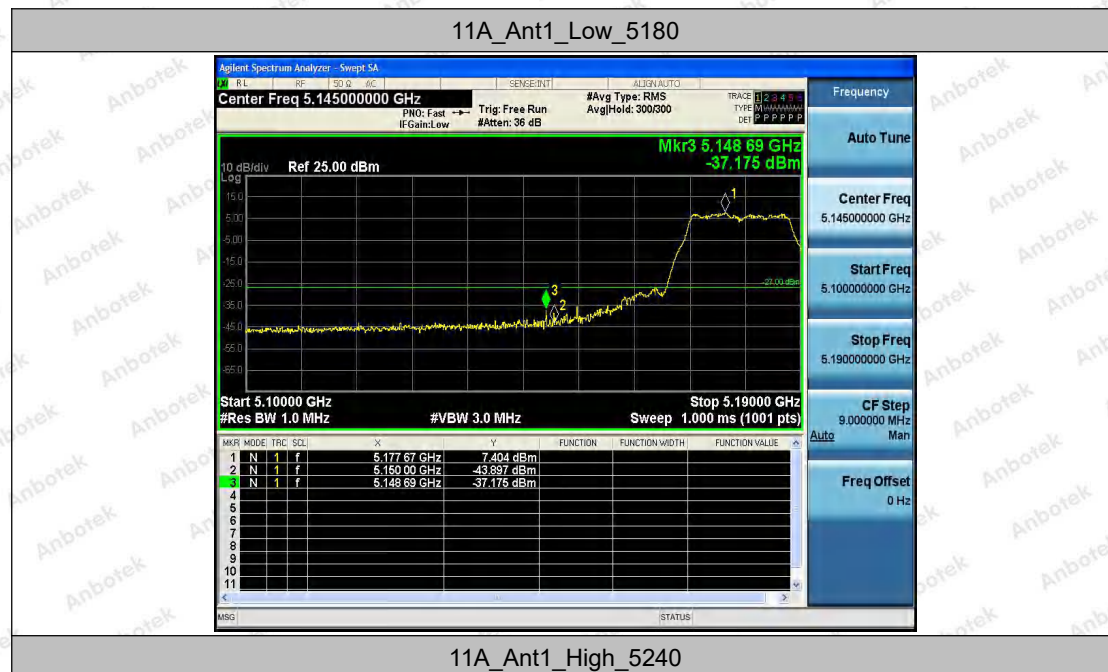
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Appendix D: Band edge measurements

Test Result

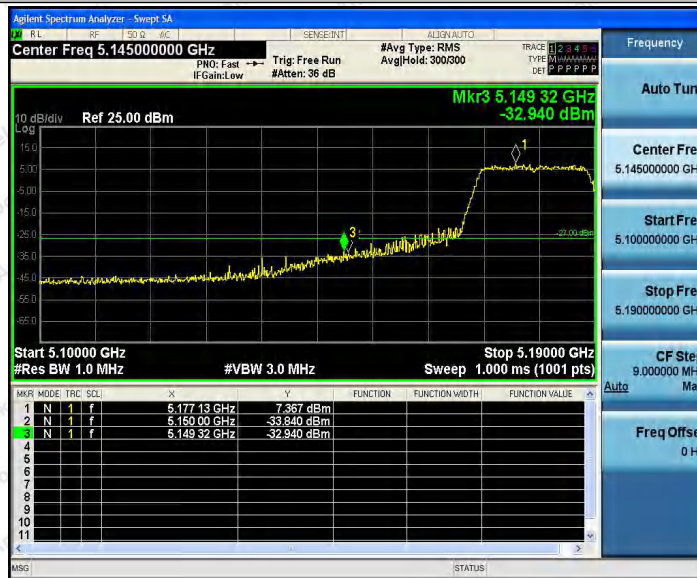
Test Mode	Antenna	Ch Name	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-37.18	≤-27	PASS
		High	5240	-45	≤-27	PASS
11N20SISO	Ant1	Low	5180	-32.94	≤-27	PASS
		High	5240	-44.2	≤-27	PASS
11N40SISO	Ant1	Low	5190	-27.13	≤-27	PASS
		High	5230	-45.2	≤-27	PASS
11AC20SISO	Ant1	Low	5180	-34.78	≤-27	PASS
		High	5240	-45.2	≤-27	PASS
11AC40SISO	Ant1	Low	5190	-27.38	≤-27	PASS
		High	5230	-44.72	≤-27	PASS
11AC80SISO	Ant1	Low	5210	-34.85	≤-27	PASS
		High	5210	-44.28	≤-27	PASS

Test Graphs





11N20SISO_Ant1_Low_5180



11N20SISO_Ant1_High_5240



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11AC20SISO_Ant1_High_5240



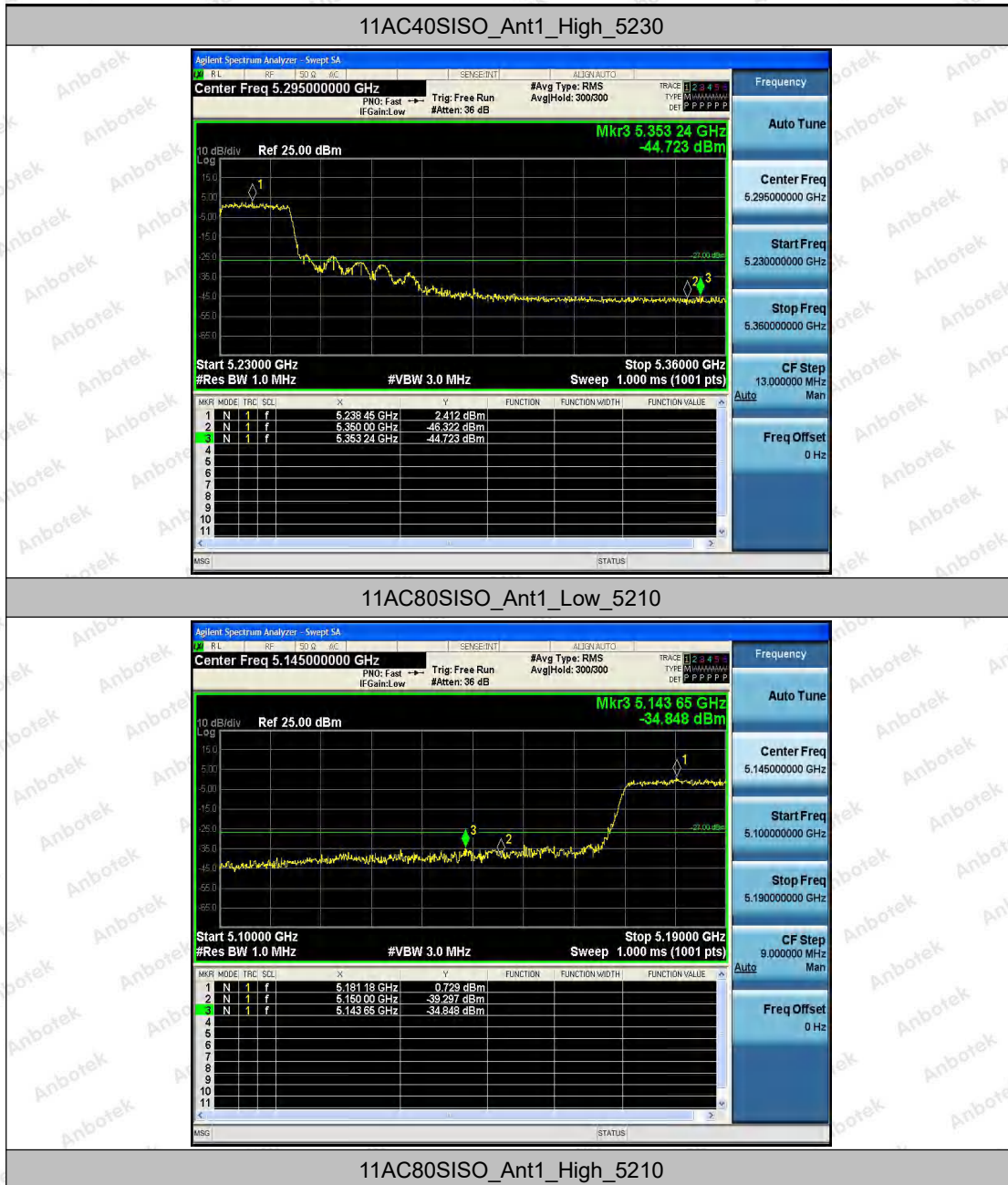
11AC40SISO_Ant1_Low_5190



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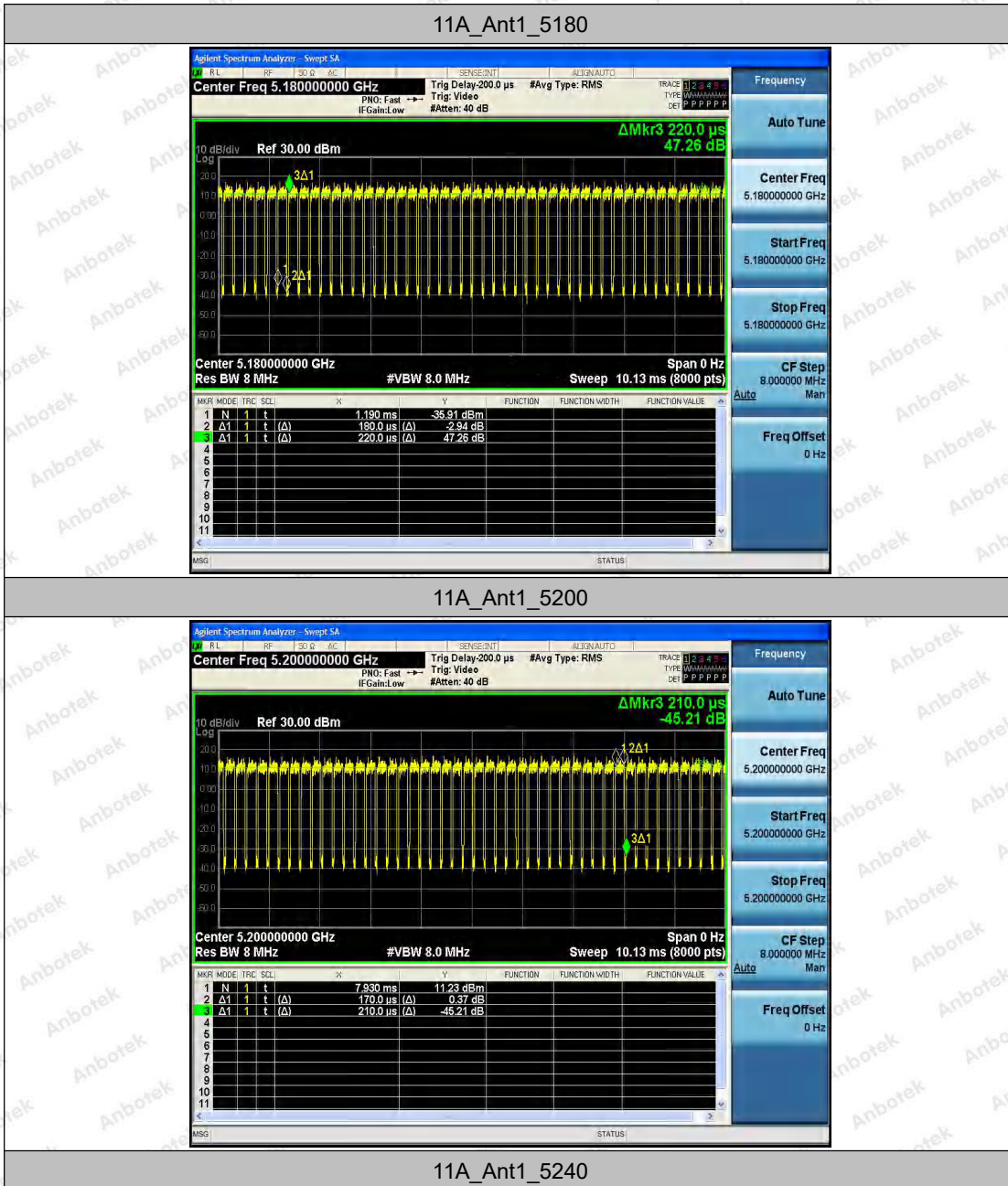
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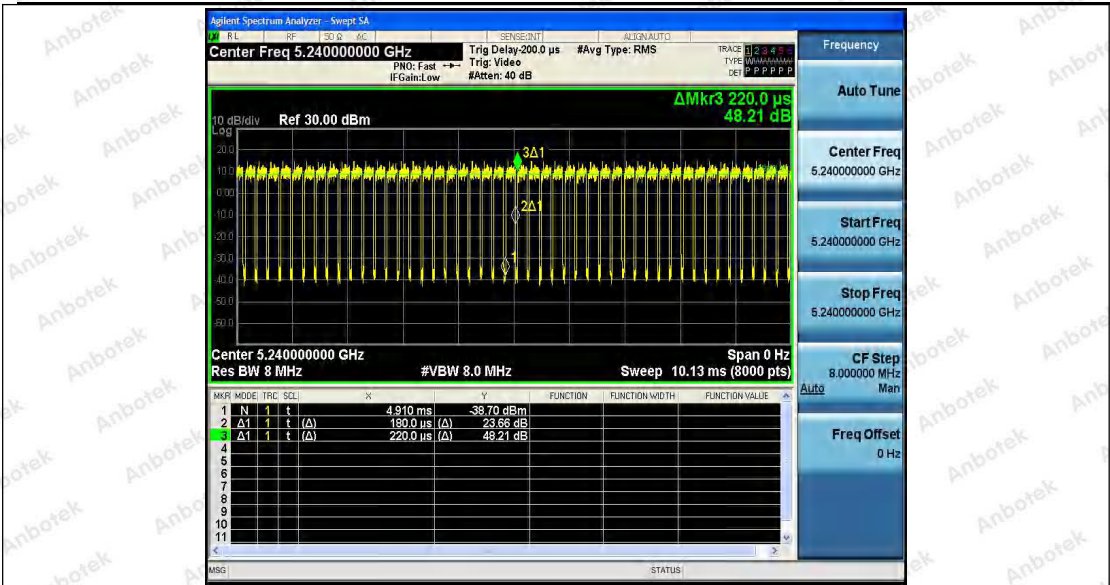
Appendix E: Duty Cycle

Test Result

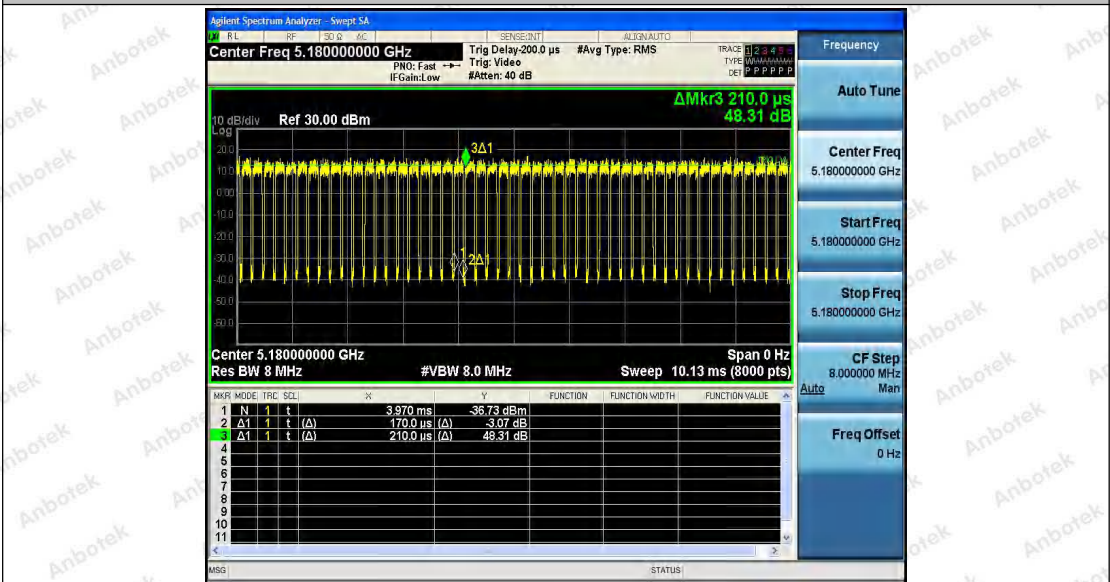
Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11A	Ant1	5180	0.18	0.22	81.82	---	PASS
		5200	0.17	0.21	80.95	---	PASS
		5240	0.18	0.22	81.82	---	PASS
11N20SISO	Ant1	5180	0.17	0.21	80.95	---	PASS
		5200	0.17	0.21	80.95	---	PASS
		5240	0.17	0.21	80.95	---	PASS
11N40SISO	Ant1	5190	0.10	0.14	71.43	---	PASS
		5230	0.10	0.14	71.43	---	PASS
11AC20SISO	Ant1	5180	0.17	0.21	80.95	---	PASS
		5200	0.17	0.21	80.95	---	PASS
		5240	0.17	0.21	80.95	---	PASS
11AC40SISO	Ant1	5190	0.10	0.14	71.43	---	PASS
		5230	0.10	0.14	71.43	---	PASS
11AC80SISO	Ant1	5210	0.06	0.10	60.00	---	PASS

Test Graphs

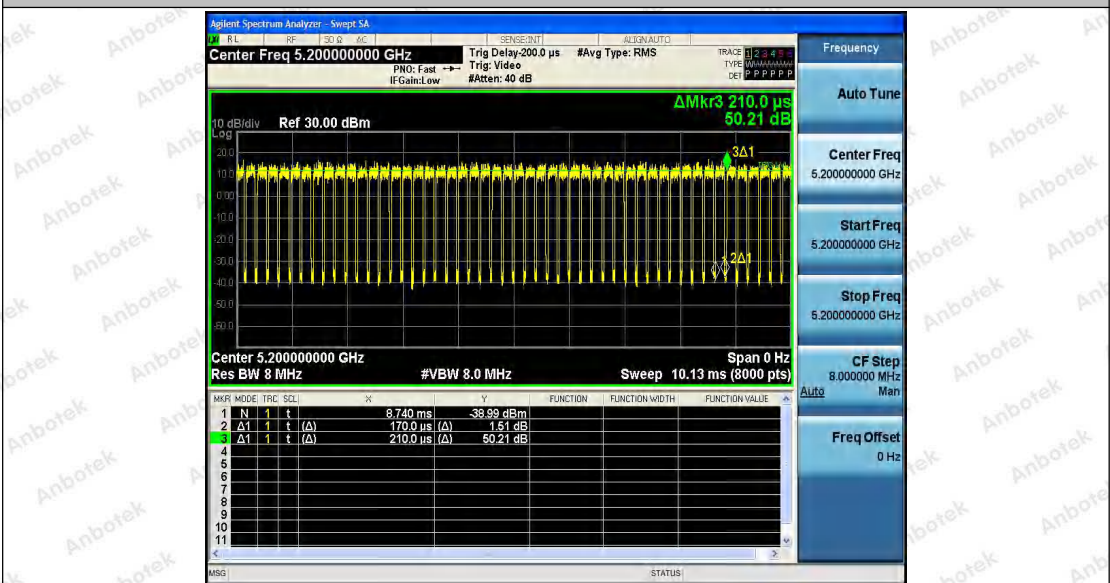




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11N20SISO_Ant1_5200

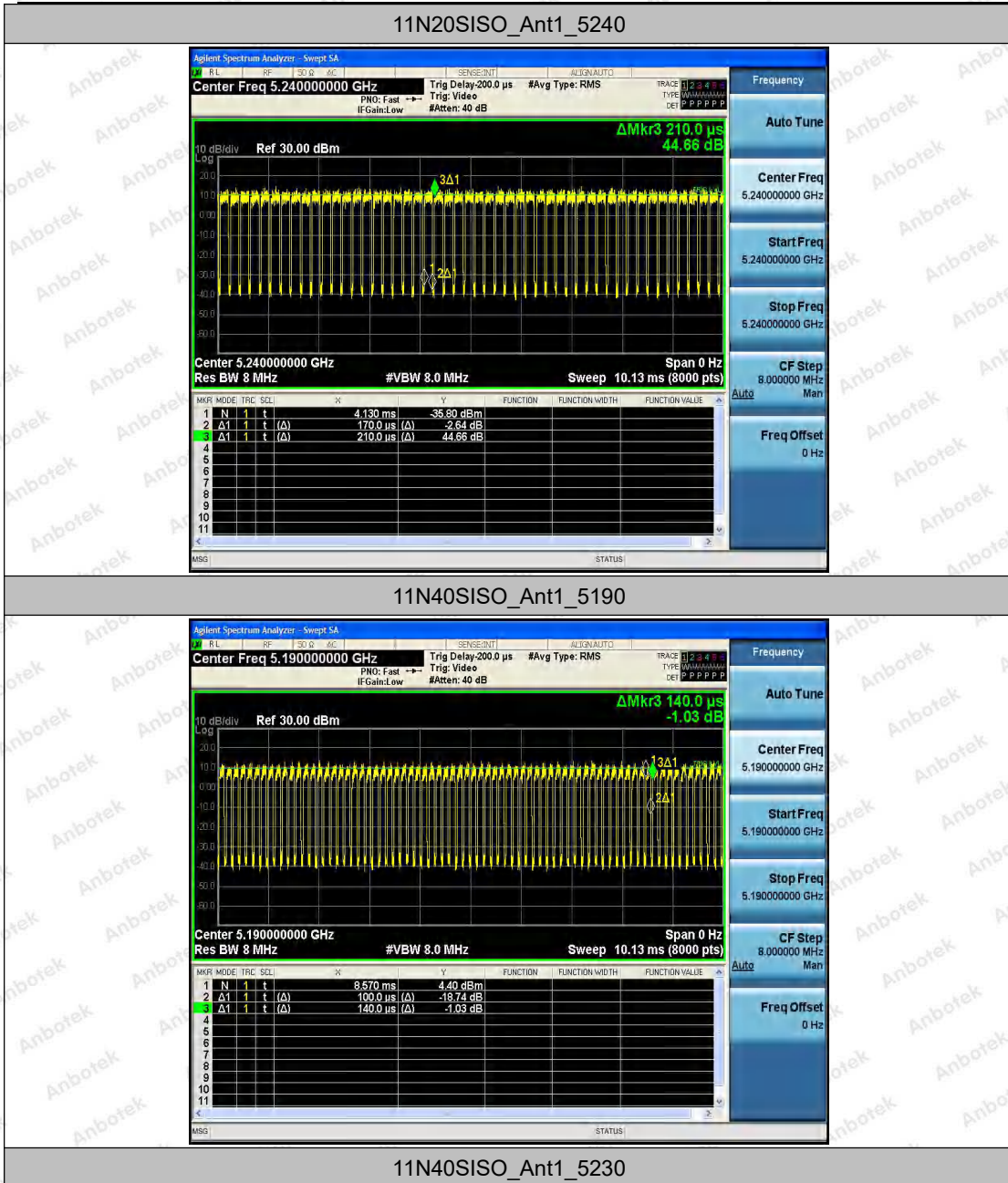


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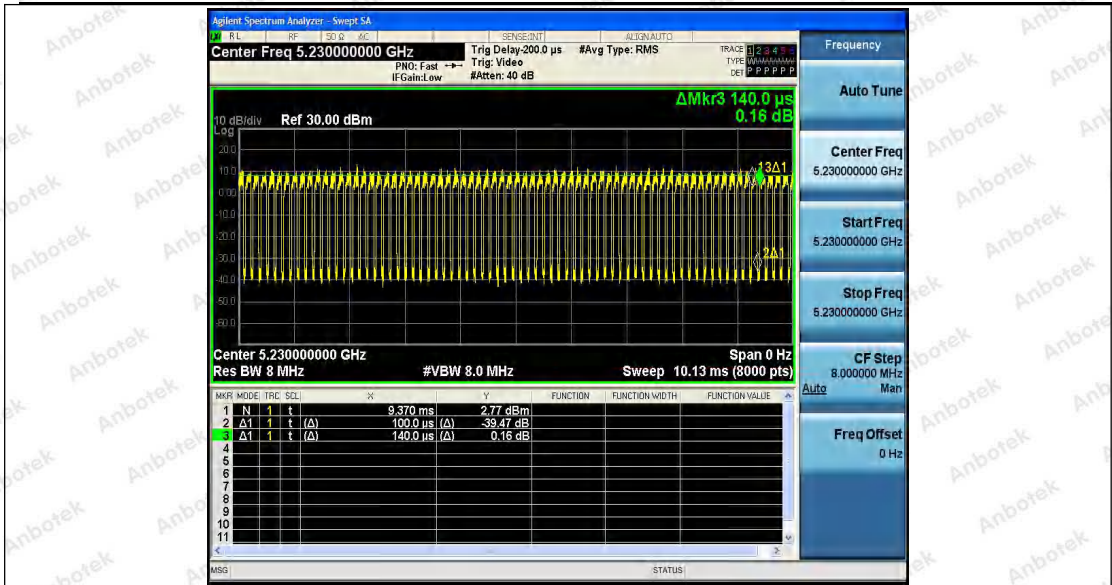
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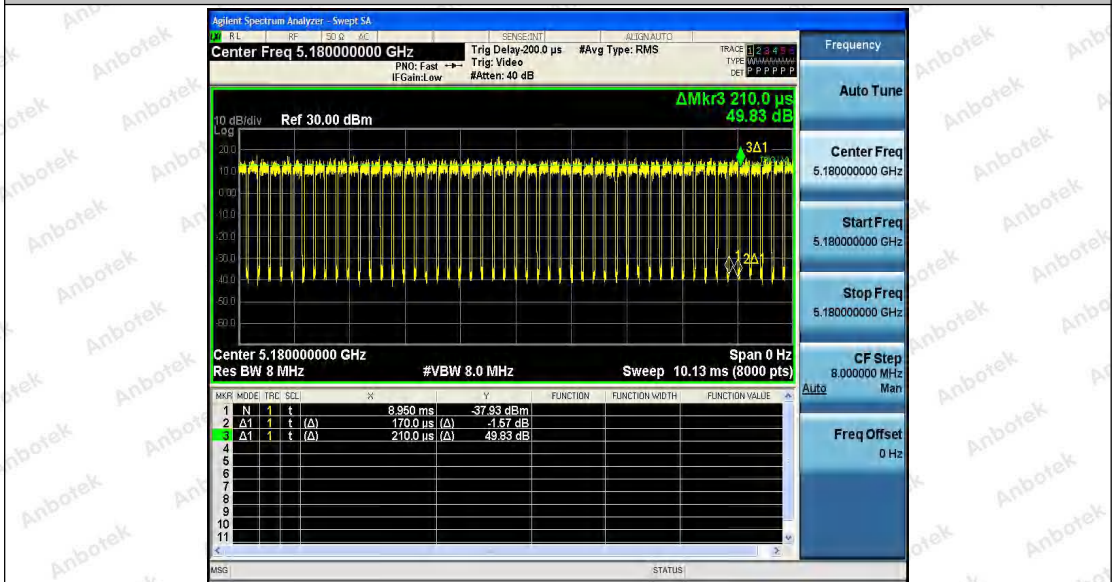
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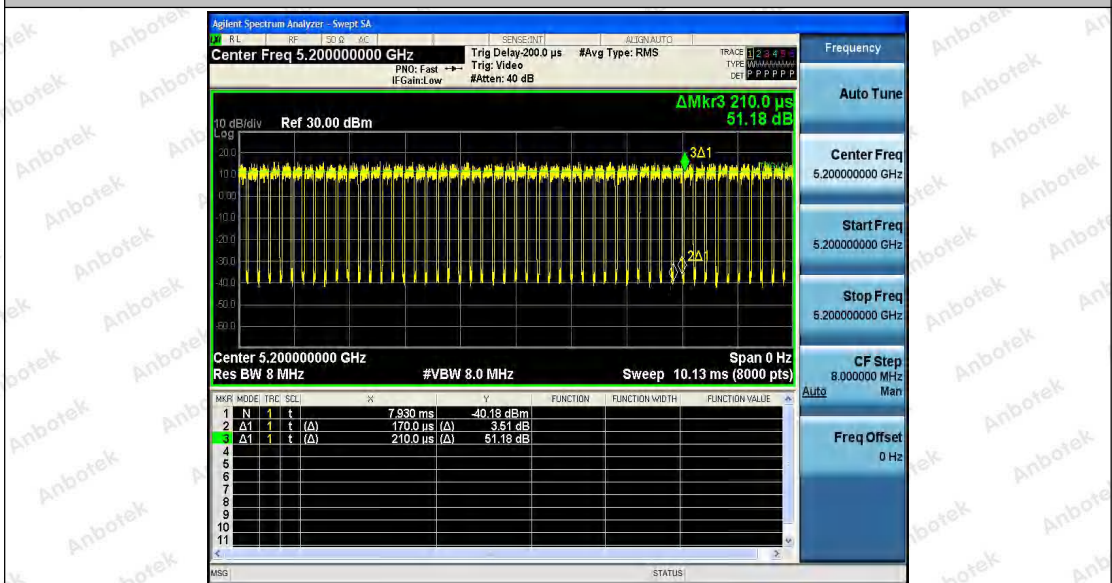
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11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200

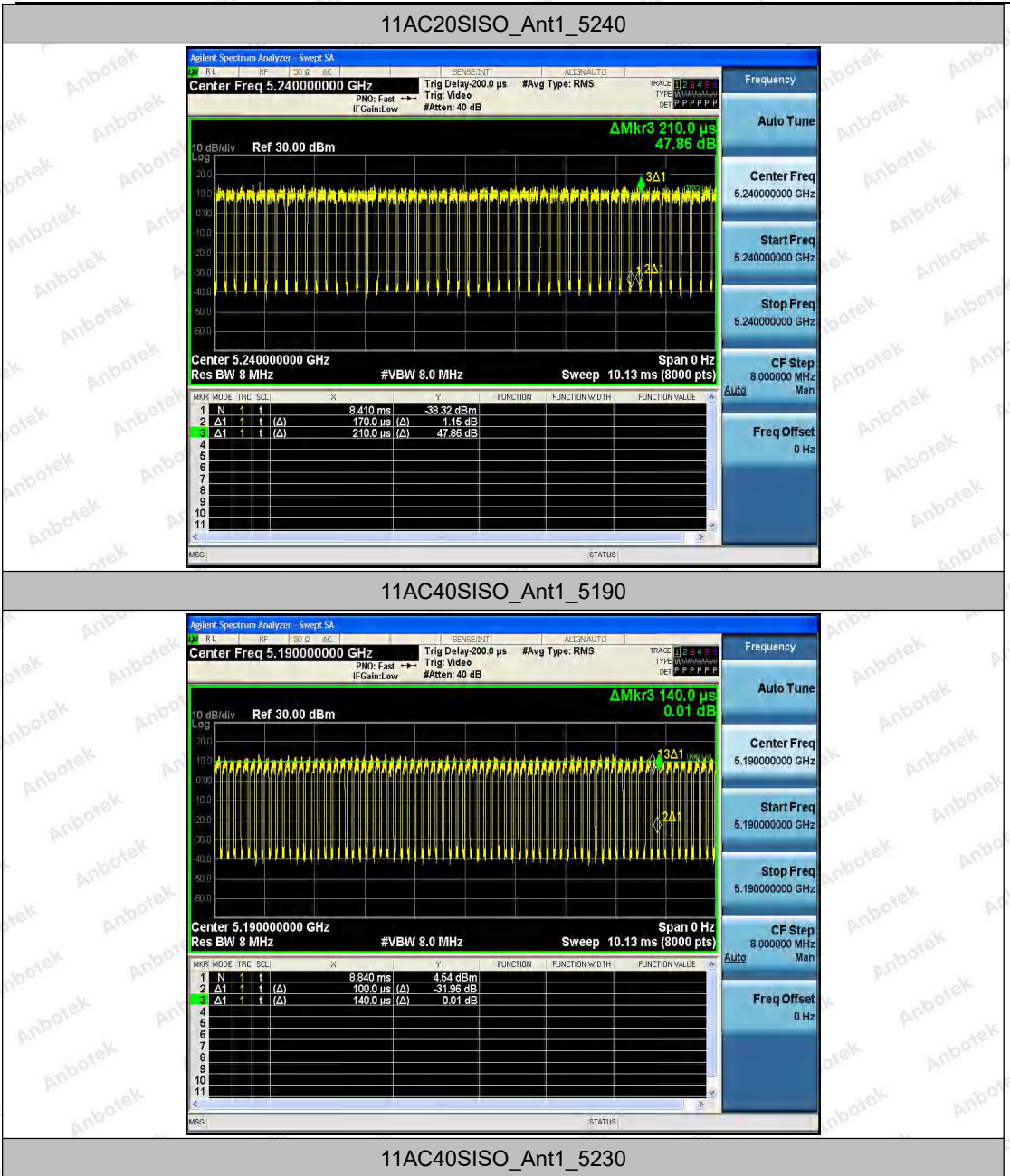


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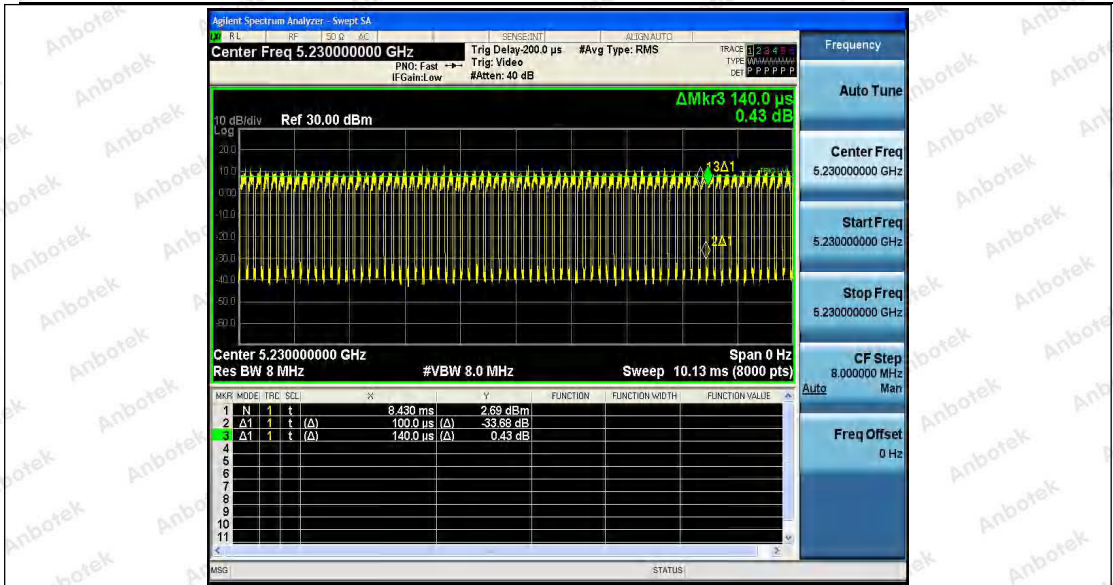
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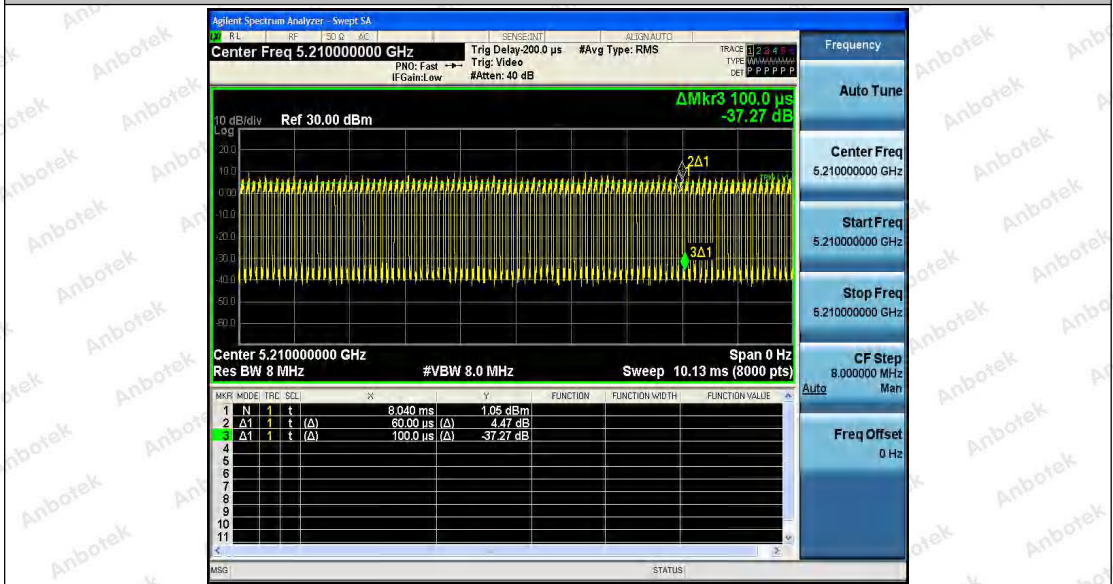
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11AC80SISO_Ant1_5210



---End---