

Appendix Test Data

Report No.:	18220WC20120602	Test Sample No.:	1-2-2
Start Test Date:	2022.6.9	Finish Test Date:	2022.6.28
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	23.5°C	Relative Humidity:	52.9 %
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	20.280	5169.880	5190.160	---	PASS
		5200	20.120	5189.920	5210.040	---	PASS
		5240	20.160	5229.960	5250.120	---	PASS
11N20SISO	Ant1	5180	20.320	5169.840	5190.160	---	PASS
		5200	20.200	5190.120	5210.320	---	PASS
		5240	20.040	5229.920	5249.960	---	PASS
11N40SISO	Ant1	5190	40.160	5170.240	5210.400	---	PASS
		5230	39.040	5210.480	5249.520	---	PASS
11AC20SISO	Ant1	5180	20.080	5170.040	5190.120	---	PASS
		5200	20.000	5189.960	5209.960	---	PASS
		5240	20.080	5230.000	5250.080	---	PASS
11AC40SISO	Ant1	5190	40.080	5170.160	5210.240	---	PASS
		5230	40.560	5209.680	5250.240	---	PASS
11AC80SISO	Ant1	5210	79.360	5170.480	5249.840	---	PASS

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Test Graphs





11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



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11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



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11AC80SISO_Ant1_5210

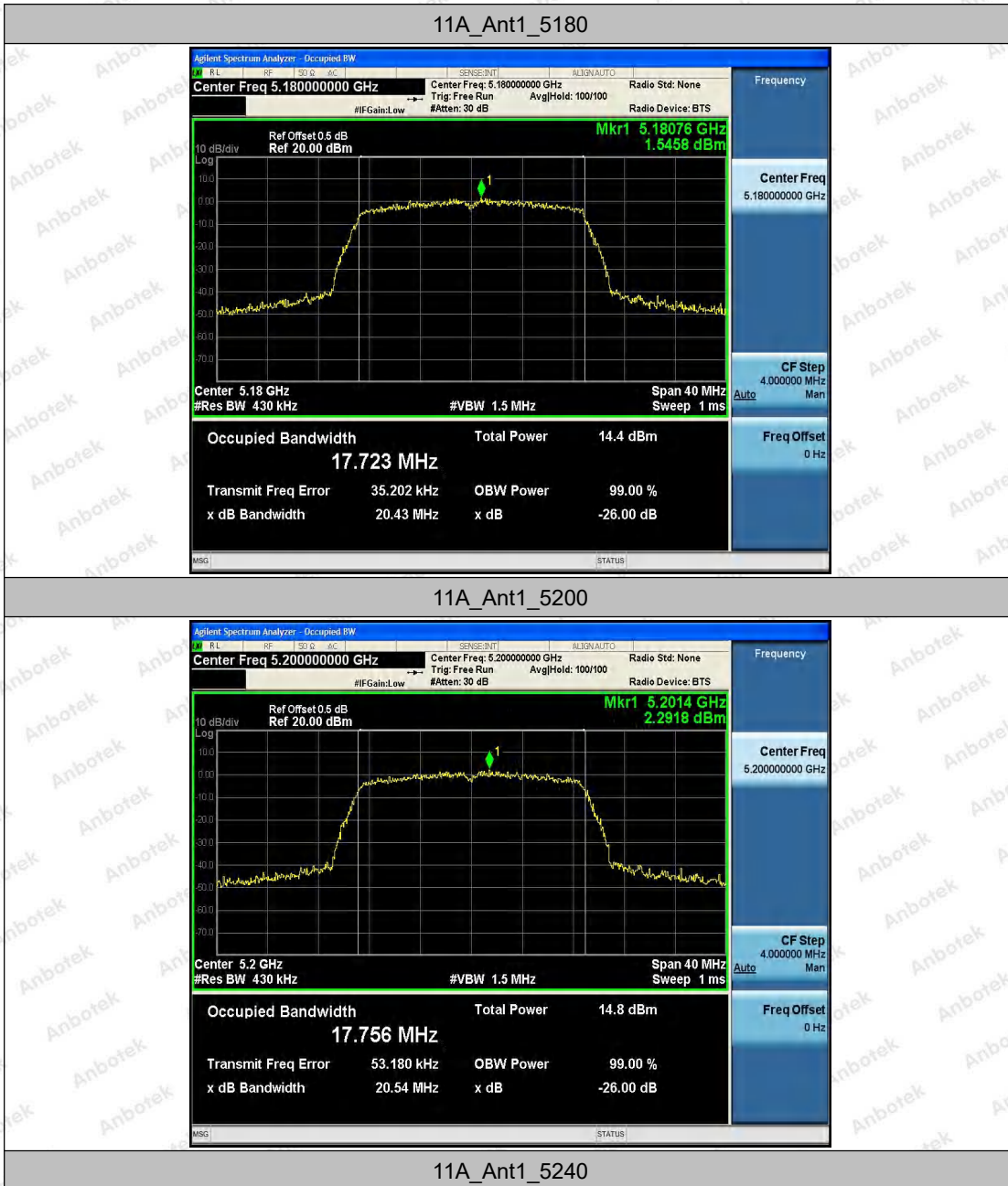


Appendix A2: Occupied channel bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.723	5171.174	5188.897	---	PASS
		5200	17.756	5191.175	5208.931	---	PASS
		5240	17.766	5231.125	5248.891	---	PASS
11N20SISO	Ant1	5180	17.807	5171.154	5188.961	---	PASS
		5200	16.774	5191.794	5208.568	---	PASS
		5240	17.760	5231.134	5248.894	---	PASS
11N40SISO	Ant1	5190	35.989	5172.070	5208.059	---	PASS
		5230	35.891	5212.053	5247.944	---	PASS
11AC20SISO	Ant1	5180	17.793	5171.143	5188.936	---	PASS
		5200	17.741	5191.141	5208.882	---	PASS
		5240	17.810	5231.054	5248.864	---	PASS
11AC40SISO	Ant1	5190	36.046	5172.107	5208.153	---	PASS
		5230	36.055	5212.034	5248.089	---	PASS
11AC80SISO	Ant1	5210	74.971	5172.748	5247.719	---	PASS

Test Graphs





11N20SISO_Ant1_5180



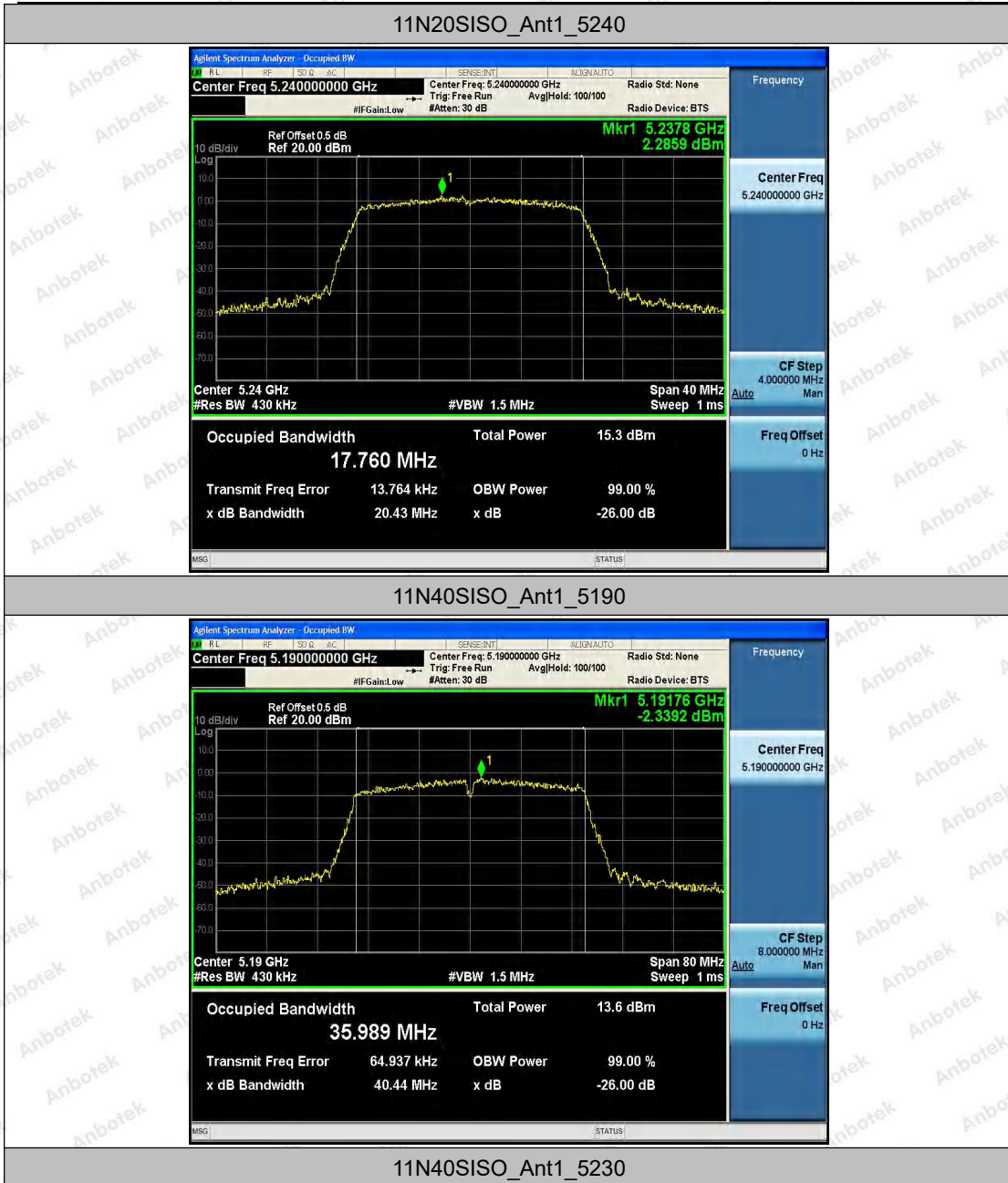
11N20SISO_Ant1_5200



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11AC20SISO_Ant1_5180



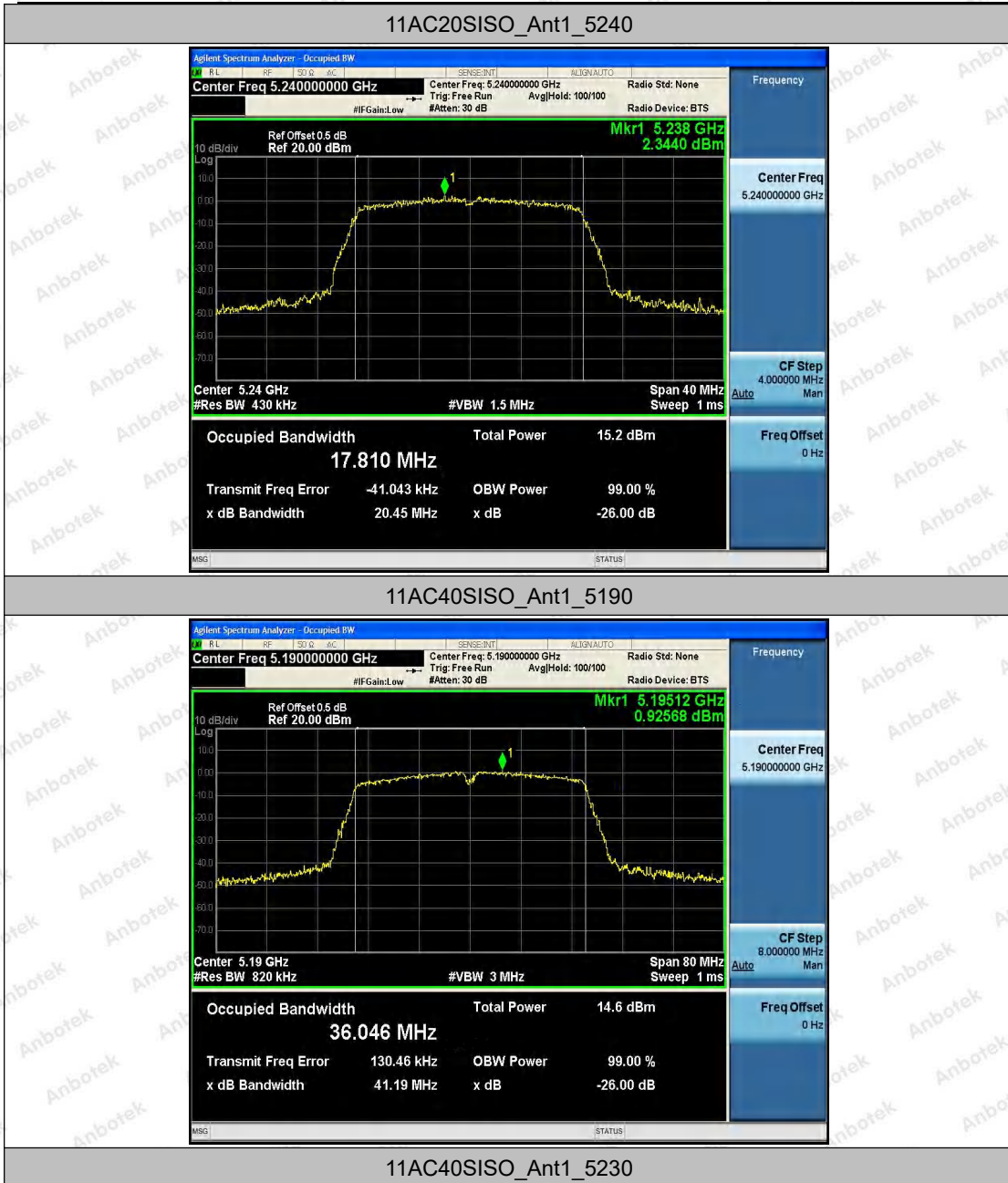
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11AC80SISO_Ant1_5210



Appendix B: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	13.33	≤30	PASS
		5200	13.79	≤30	PASS
		5240	14.26	≤30	PASS
11N20SISO	Ant1	5180	13.42	≤30	PASS
		5200	14.66	≤30	PASS
		5240	14.31	≤30	PASS
11N40SISO	Ant1	5190	12.76	≤30	PASS
		5230	13.46	≤30	PASS
11AC20SISO	Ant1	5180	13.50	≤30	PASS
		5200	13.99	≤30	PASS
		5240	14.16	≤30	PASS
11AC40SISO	Ant1	5190	12.63	≤30	PASS
		5230	13.52	≤30	PASS
11AC80SISO	Ant1	5210	13.62	≤30	PASS

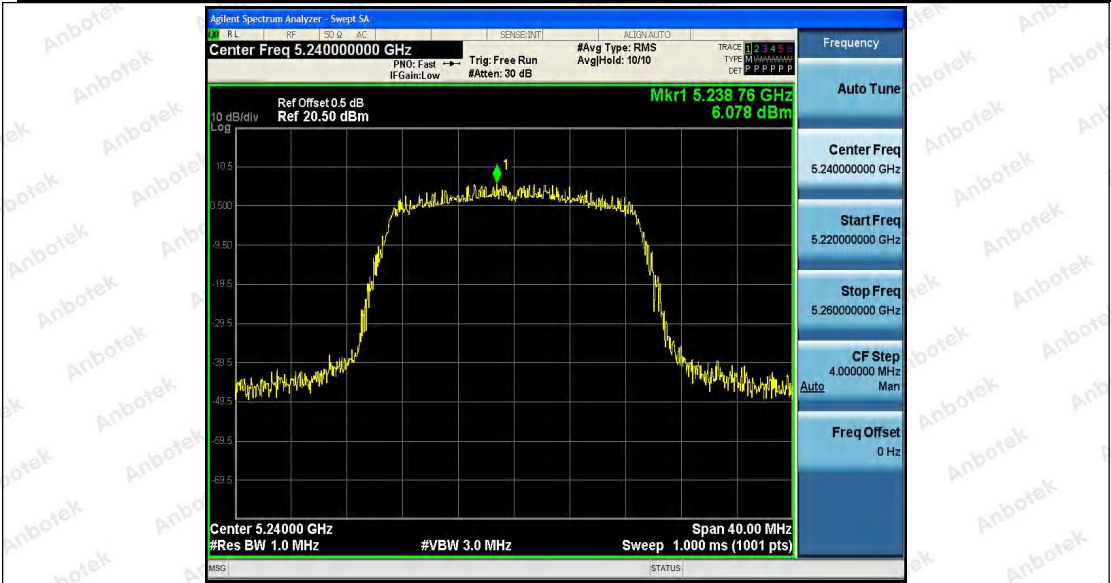
Appendix C: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	4.96	≤17	PASS
		5200	5.96	≤17	PASS
		5240	6.08	≤17	PASS
11N20SISO	Ant1	5180	5.58	≤17	PASS
		5200	5.5	≤17	PASS
		5240	6.45	≤17	PASS
11N40SISO	Ant1	5190	1.93	≤17	PASS
		5230	2.61	≤17	PASS
11AC20SISO	Ant1	5180	5.54	≤17	PASS
		5200	5.83	≤17	PASS
		5240	6.14	≤17	PASS
11AC40SISO	Ant1	5190	1.77	≤17	PASS
		5230	2.83	≤17	PASS
11AC80SISO	Ant1	5210	-1.02	≤17	PASS

Test Graphs

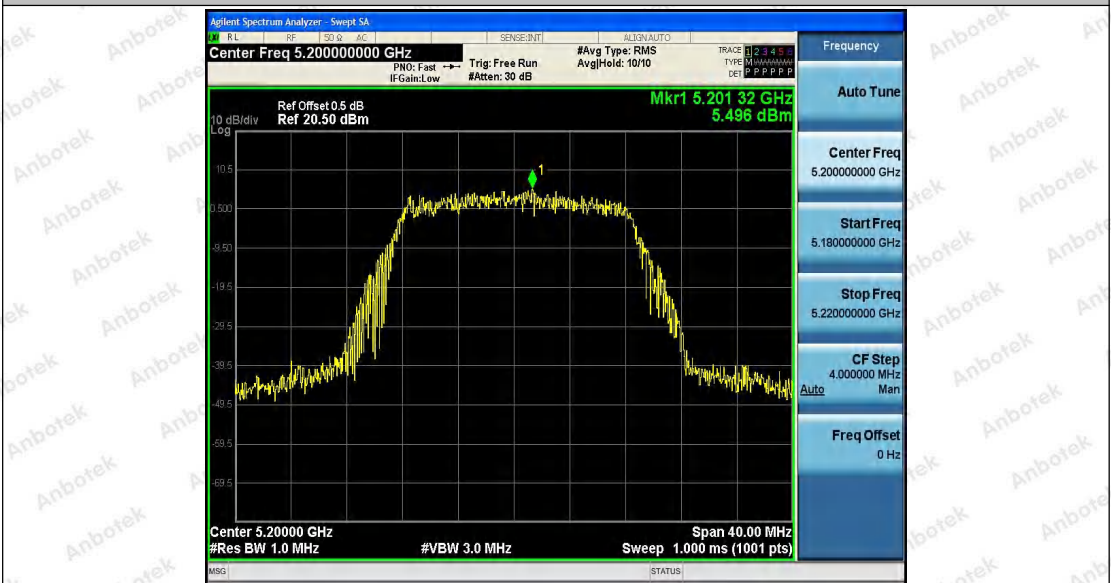




11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



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11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



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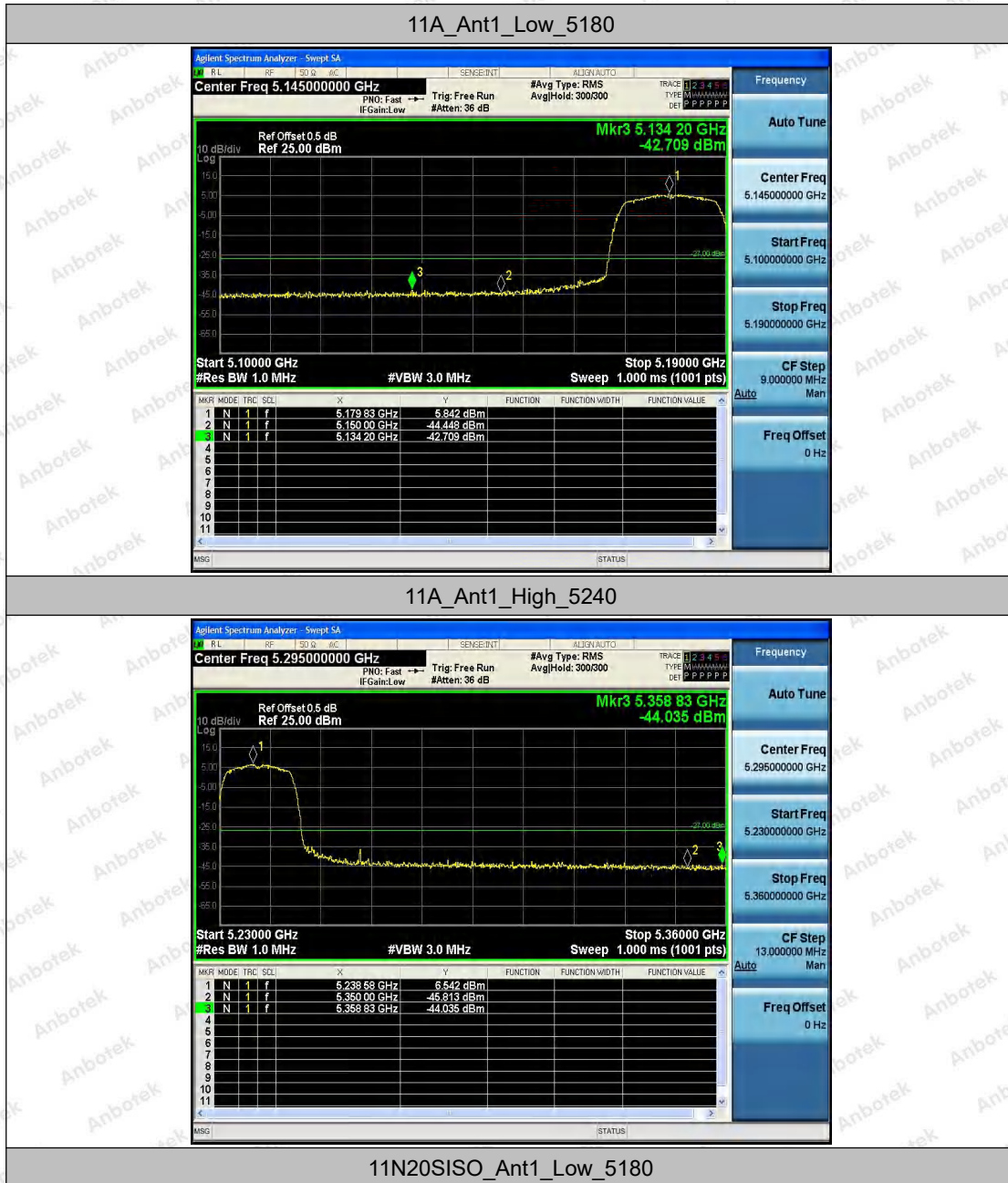
Appendix D: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-42.71	≤-27	PASS
		High	5240	-44.04	≤-27	PASS
11N20SISO	Ant1	Low	5180	-42.55	≤-27	PASS
		High	5240	-43.98	≤-27	PASS
11N40SISO	Ant1	Low	5190	-42.85	≤-27	PASS
		High	5230	-43.57	≤-27	PASS
11AC20SISO	Ant1	Low	5180	-42.66	≤-27	PASS
		High	5240	-42.73	≤-27	PASS
11AC40SISO	Ant1	Low	5190	-41.42	≤-27	PASS
		High	5230	-44.38	≤-27	PASS
11AC80SISO	Ant1	Low	5210	-40.98	≤-27	PASS
		High	5210	-42.99	≤-27	PASS

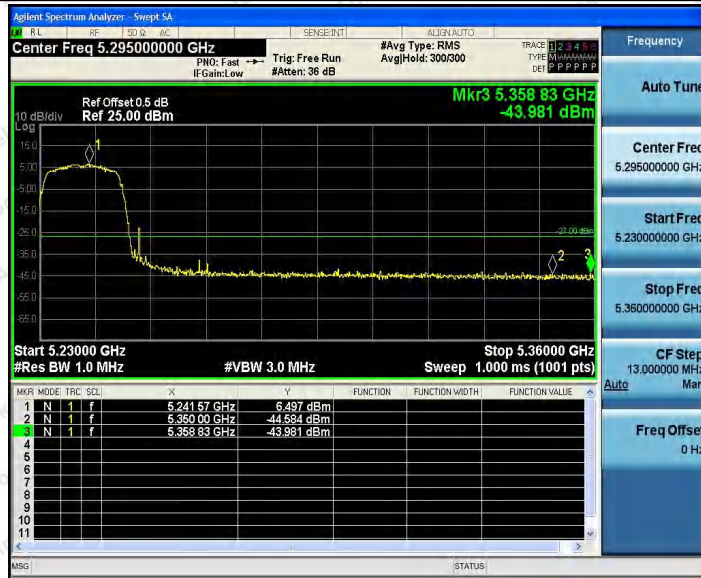
Test Mode	Antenna	Ch Name	Channel	Freq Range[MHz]	Result[dBm]	Limit[dBm]	Verdict
Test Mode	Antenna	Ch Name	Channel	Freq Rang	Result	Limit	Verdict

Test Graphs





11N20SISO_Ant1_High_5240



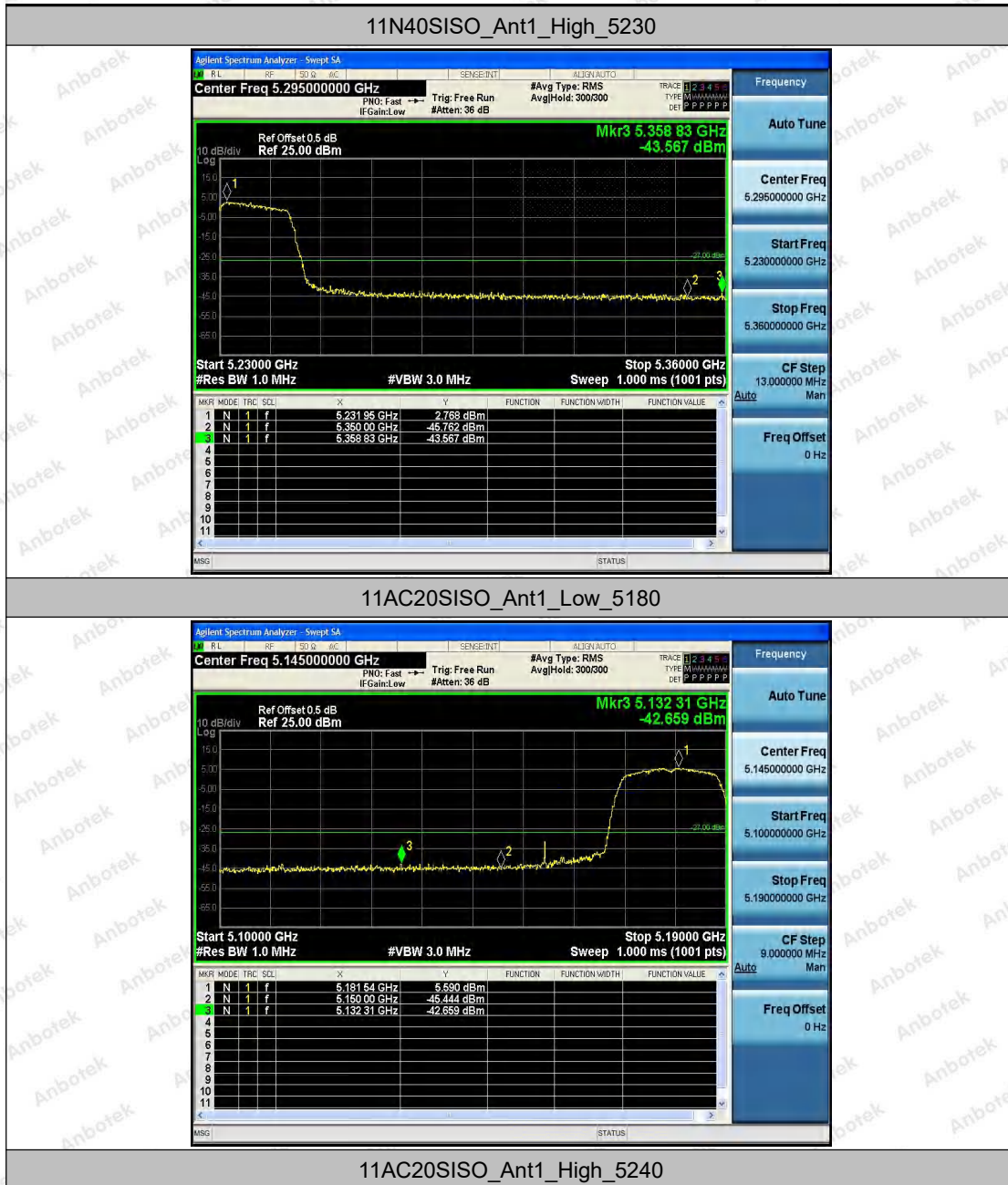
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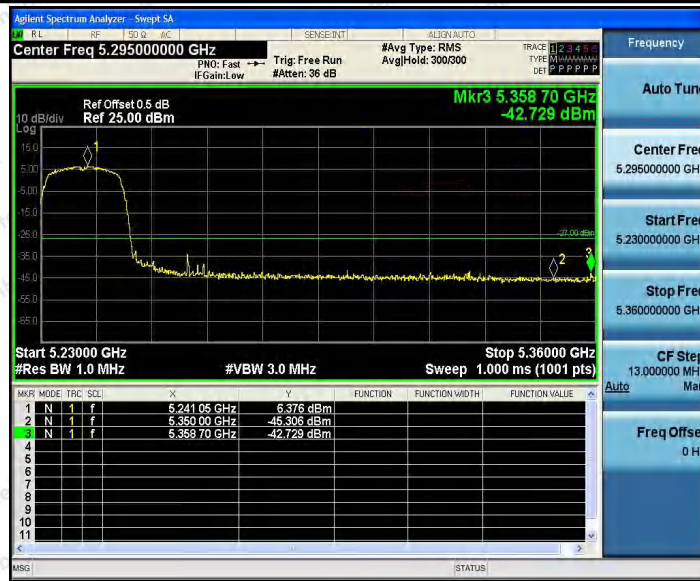
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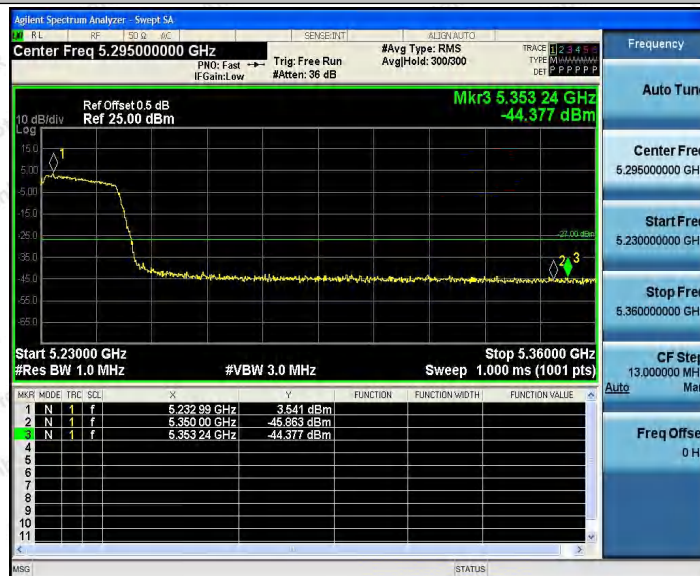
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11AC40SISO_Ant1_Low_5190



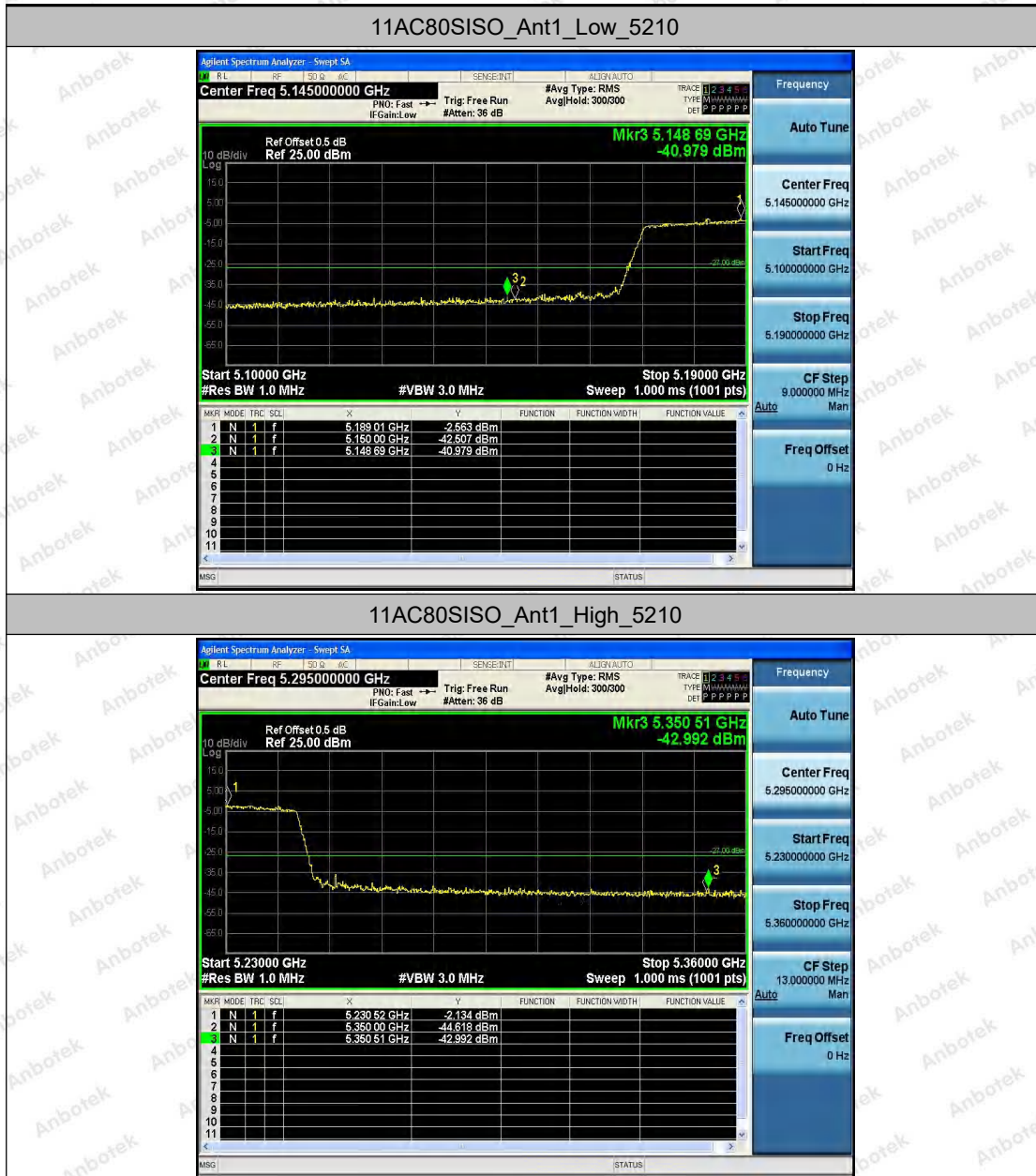
11AC40SISO_Ant1_High_5230



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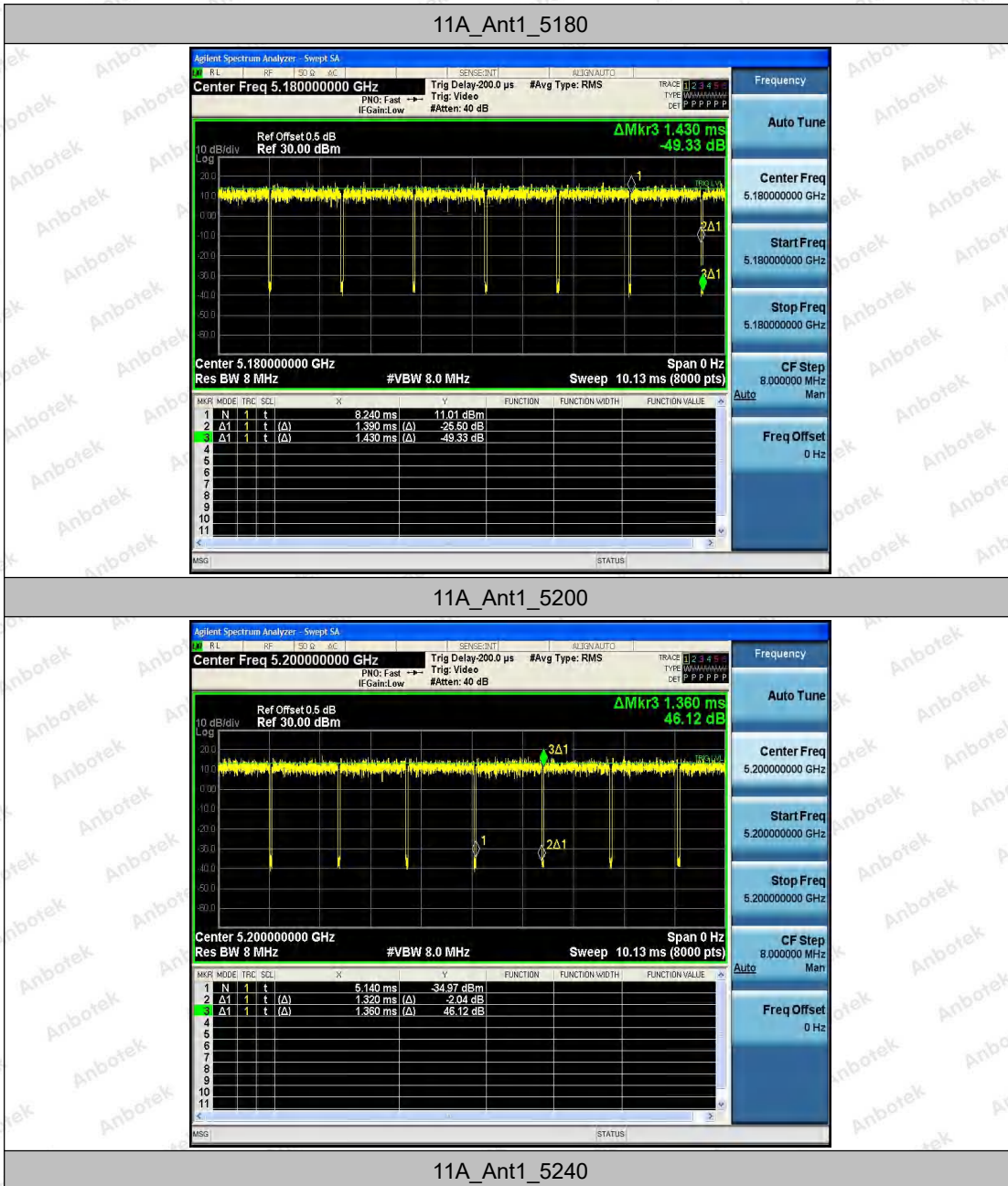
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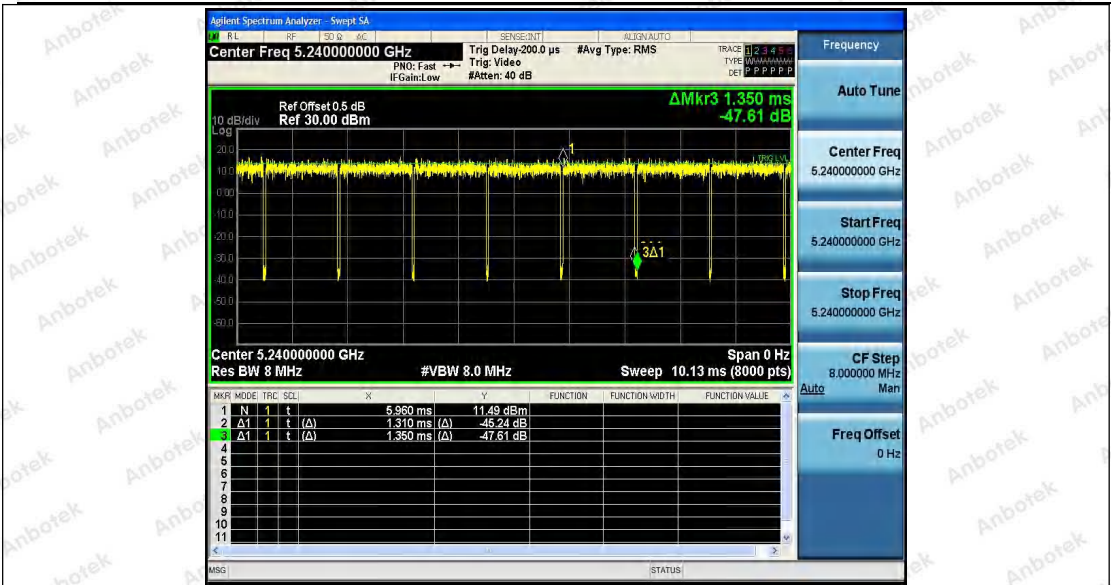
Appendix E: Duty Cycle

Test Result

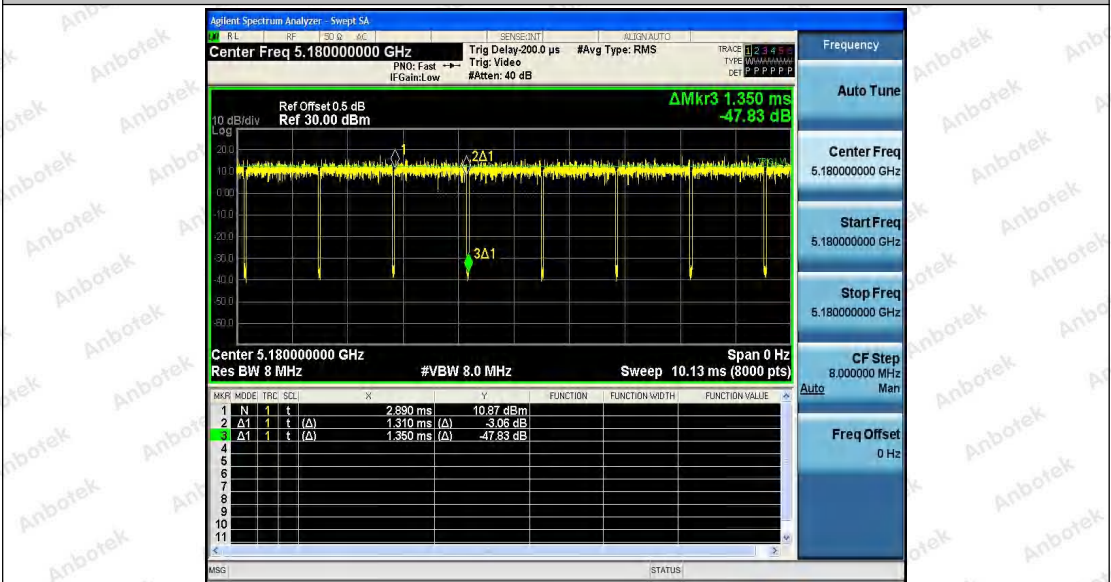
Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11A	Ant1	5180	1.39	1.43	97.20	---	PASS
		5200	1.32	1.36	97.06	---	PASS
		5240	1.31	1.35	97.04	---	PASS
11N20SISO	Ant1	5180	1.31	1.35	97.04	---	PASS
		5200	0.17	0.21	80.95	---	PASS
		5240	1.31	1.35	97.04	---	PASS
11N40SISO	Ant1	5190	0.65	0.69	94.20	---	PASS
		5230	0.65	0.70	92.86	---	PASS
11AC20SISO	Ant1	5180	1.31	1.35	97.04	---	PASS
		5200	1.31	1.36	96.32	---	PASS
		5240	1.31	1.35	97.04	---	PASS
11AC40SISO	Ant1	5190	0.65	0.69	94.20	---	PASS
		5230	0.65	0.69	94.20	---	PASS
11AC80SISO	Ant1	5210	0.33	0.37	89.19	---	PASS

Test Graphs

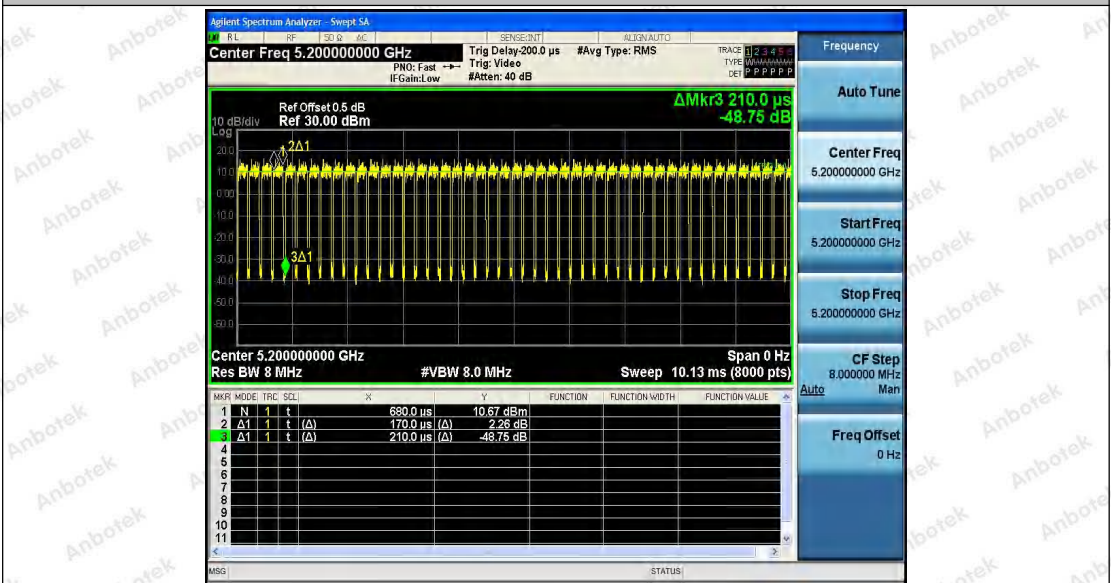




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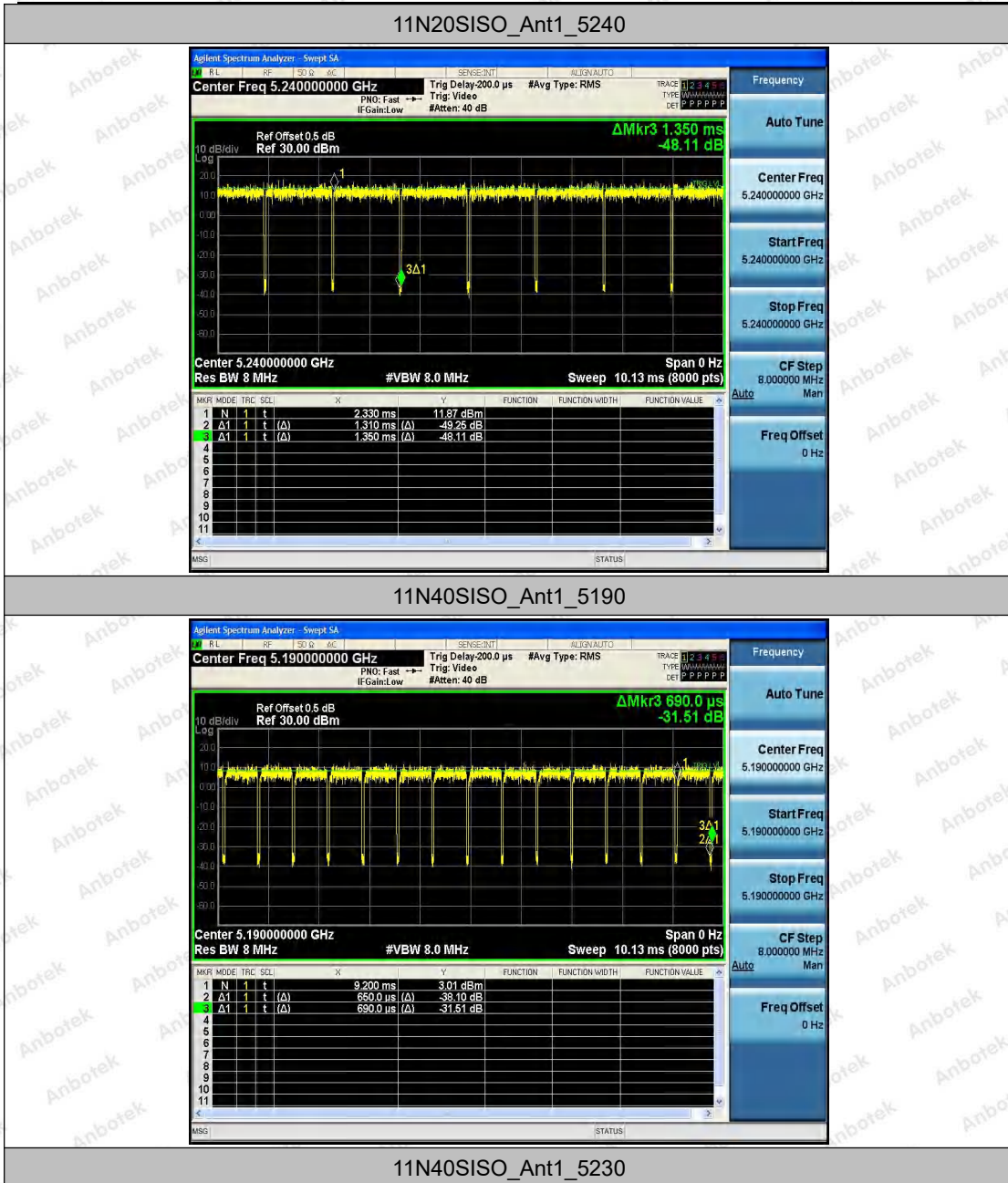
11N20SISO_Ant1_5200



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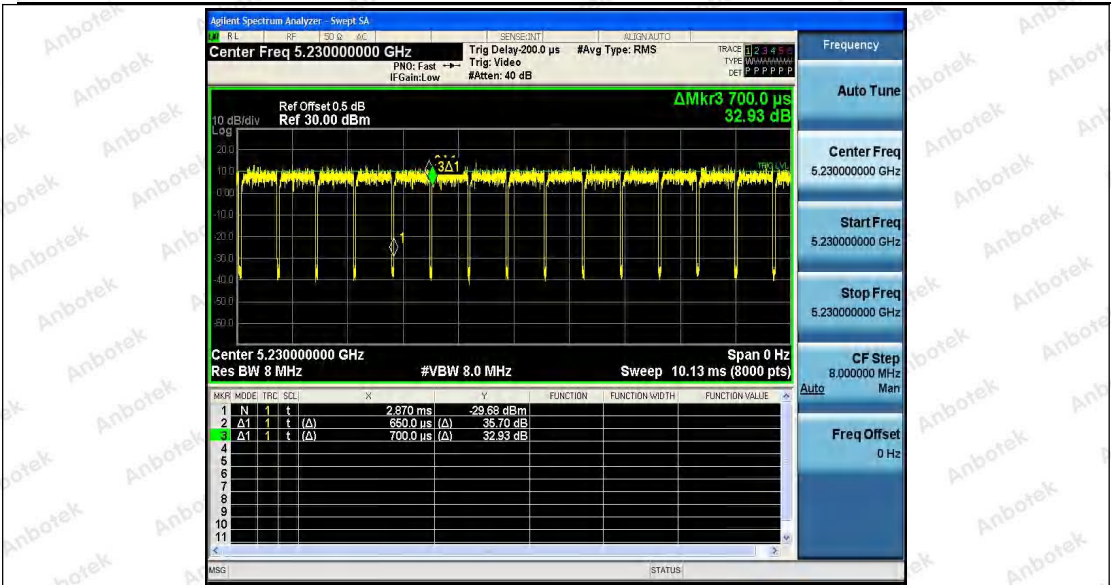


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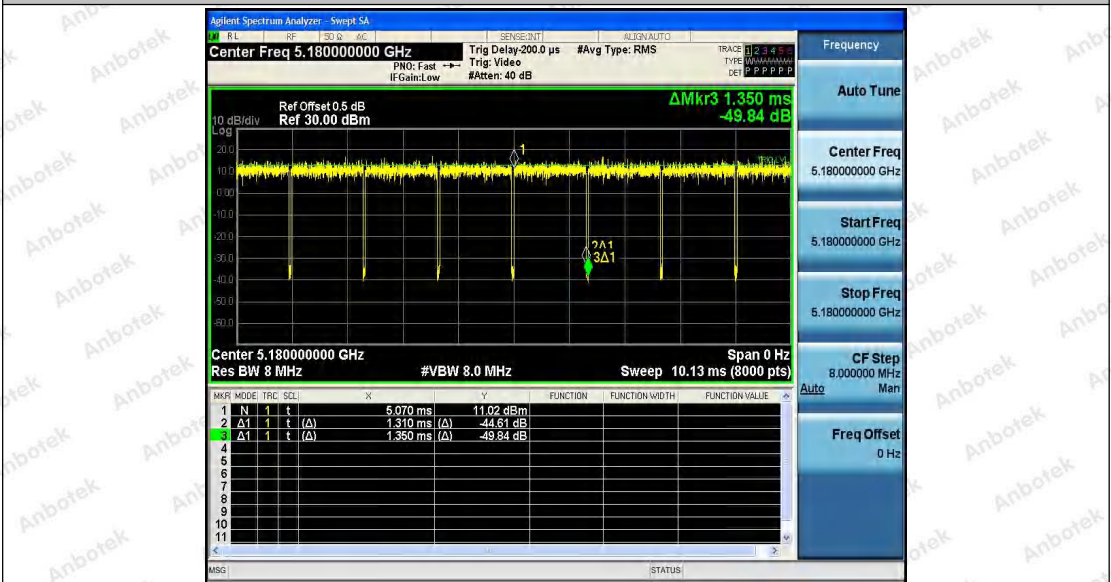
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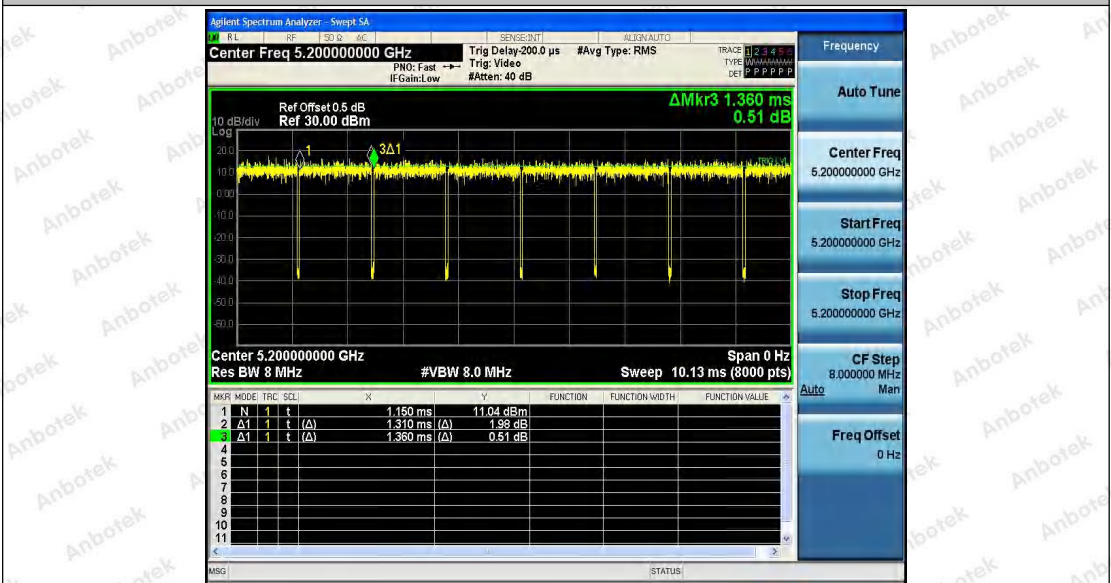
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11AC20SISO_Ant1_5180



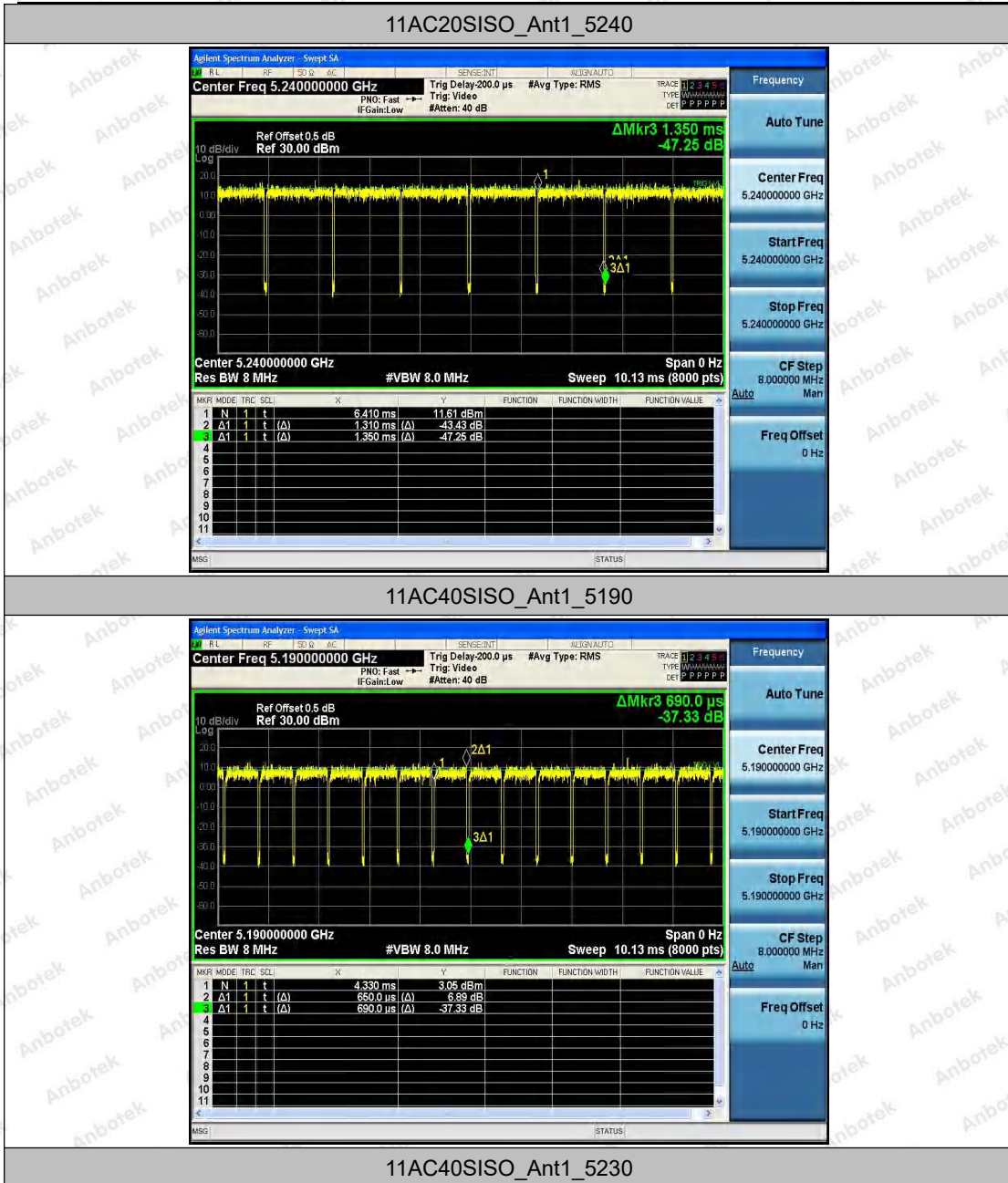
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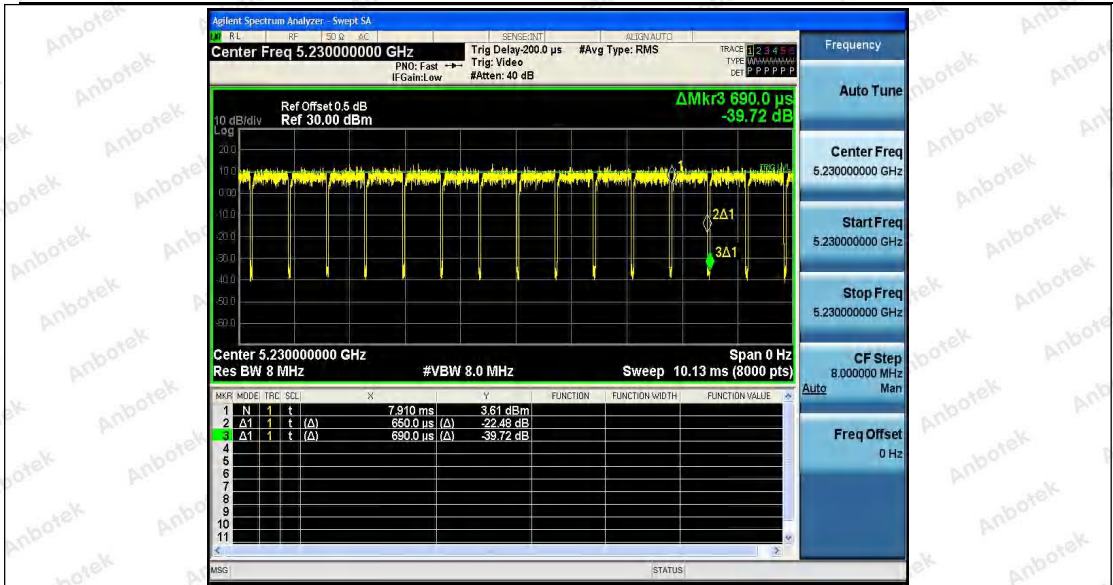


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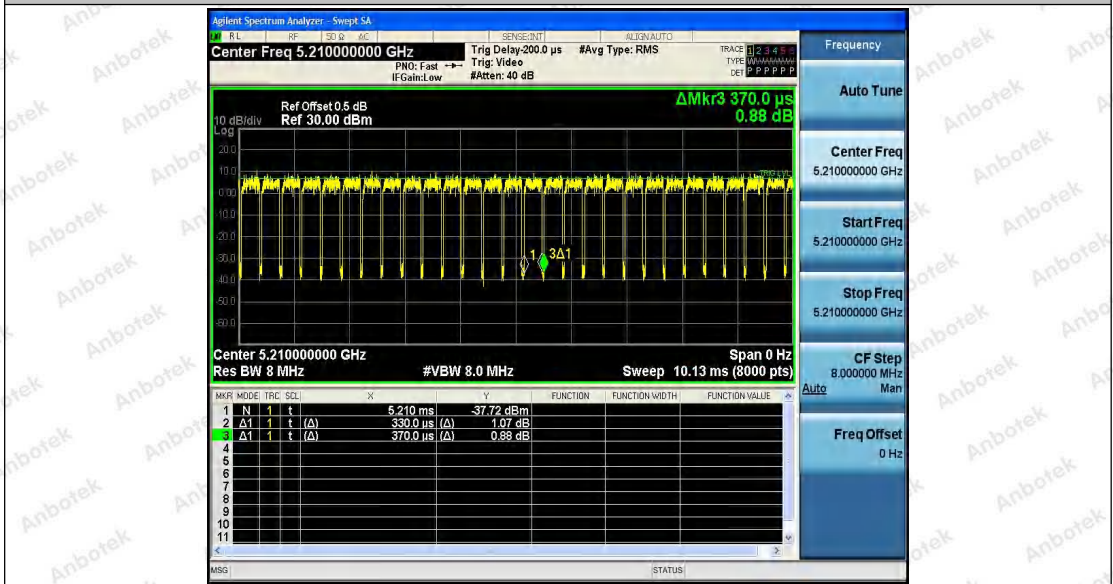
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11AC80SISO_Ant1_5210



---End---