

Appendix Test Data

Report No:	18220WC20288503	Test Sample NO:	1-2-2
Start Test Date:	2022.12.19	Finish Test Date:	2022.12.26
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	40%
Pressure:	1012 hPa		

Appendix A1: Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	19.600	5170.360	5189.960	---	---
		5200	19.800	5190.240	5210.040	---	---
		5240	20.120	5230.000	5250.120	---	---
		5745	19.480	5735.440	5754.920	---	---
		5785	20.080	5775.120	5795.200	---	---
		5825	20.320	5814.920	5835.240	---	---
11N20SISO	Ant1	5180	20.800	5169.680	5190.480	---	---
		5200	20.800	5189.760	5210.560	---	---
		5240	20.520	5229.800	5250.320	---	---
		5745	20.760	5734.760	5755.520	---	---
		5785	20.880	5774.680	5795.560	---	---
		5825	20.880	5814.560	5835.440	---	---
11N40SISO	Ant1	5190	38.720	5170.800	5209.520	---	---
		5230	38.640	5210.880	5249.520	---	---
		5755	39.120	5735.640	5774.760	---	---
		5795	39.120	5775.560	5814.680	---	---
11AC20SISO	Ant1	5180	20.560	5169.600	5190.160	---	---
		5200	21.000	5189.480	5210.480	---	---
		5240	20.880	5229.520	5250.400	---	---
		5745	20.800	5734.520	5755.320	---	---
		5785	20.800	5774.600	5795.400	---	---
		5825	21.160	5814.400	5835.560	---	---
11AC40SISO	Ant1	5190	39.760	5170.160	5209.920	---	---

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		5230	39.440	5210.400	5249.840	---	---
		5755	39.760	5735.320	5775.080	---	---
		5795	39.600	5775.320	5814.920	---	---
11AC80SISO	Ant1	5210	80.160	5170.480	5250.640	---	---
		5775	80.000	5735.480	5815.480	---	---

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11A Ant1 5180





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_5745



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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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11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200

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11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5745



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11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5190





11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755



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11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775

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Appendix A2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.596	5171.7748	5188.3708	---	---
		5200	16.602	5191.7787	5208.3807	---	---
		5240	16.604	5231.7708	5248.3748	---	---
		5745	16.605	5736.7964	5753.4014	---	---
		5785	16.608	5776.7784	5793.3864	---	---
		5825	16.613	5816.7595	5833.3725	---	---
11N20SISO	Ant1	5180	17.946	5171.0684	5189.0144	---	---
		5200	17.965	5191.0902	5209.0552	---	---
		5240	17.947	5231.1008	5249.0478	---	---
		5745	17.945	5736.1427	5754.0877	---	---
		5785	17.943	5776.0698	5794.0128	---	---
		5825	17.995	5816.0366	5834.0316	---	---
11N40SISO	Ant1	5190	36.154	5172.0282	5208.1822	---	---
		5230	36.135	5212.0409	5248.1759	---	---
		5755	36.194	5737.0334	5773.2274	---	---
		5795	36.215	5777.0315	5813.2465	---	---
11AC20SISO	Ant1	5180	18.032	5170.9786	5189.0106	---	---
		5200	17.981	5190.9943	5208.9753	---	---
		5240	18.022	5230.9837	5249.0057	---	---
		5745	18.015	5736.0116	5754.0266	---	---
		5785	18.030	5776.0207	5794.0507	---	---
		5825	18.023	5815.9700	5833.9930	---	---
11AC40SISO	Ant1	5190	36.523	5171.7671	5208.2901	---	---
		5230	36.464	5211.7934	5248.2574	---	---
		5755	36.513	5736.8474	5773.3604	---	---
		5795	36.491	5776.7924	5813.2834	---	---
11AC80SISO	Ant1	5210	75.376	5172.6157	5247.9917	---	---
		5775	75.279	5737.7229	5813.0019	---	---



Test Graphs



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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_5745



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11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5190

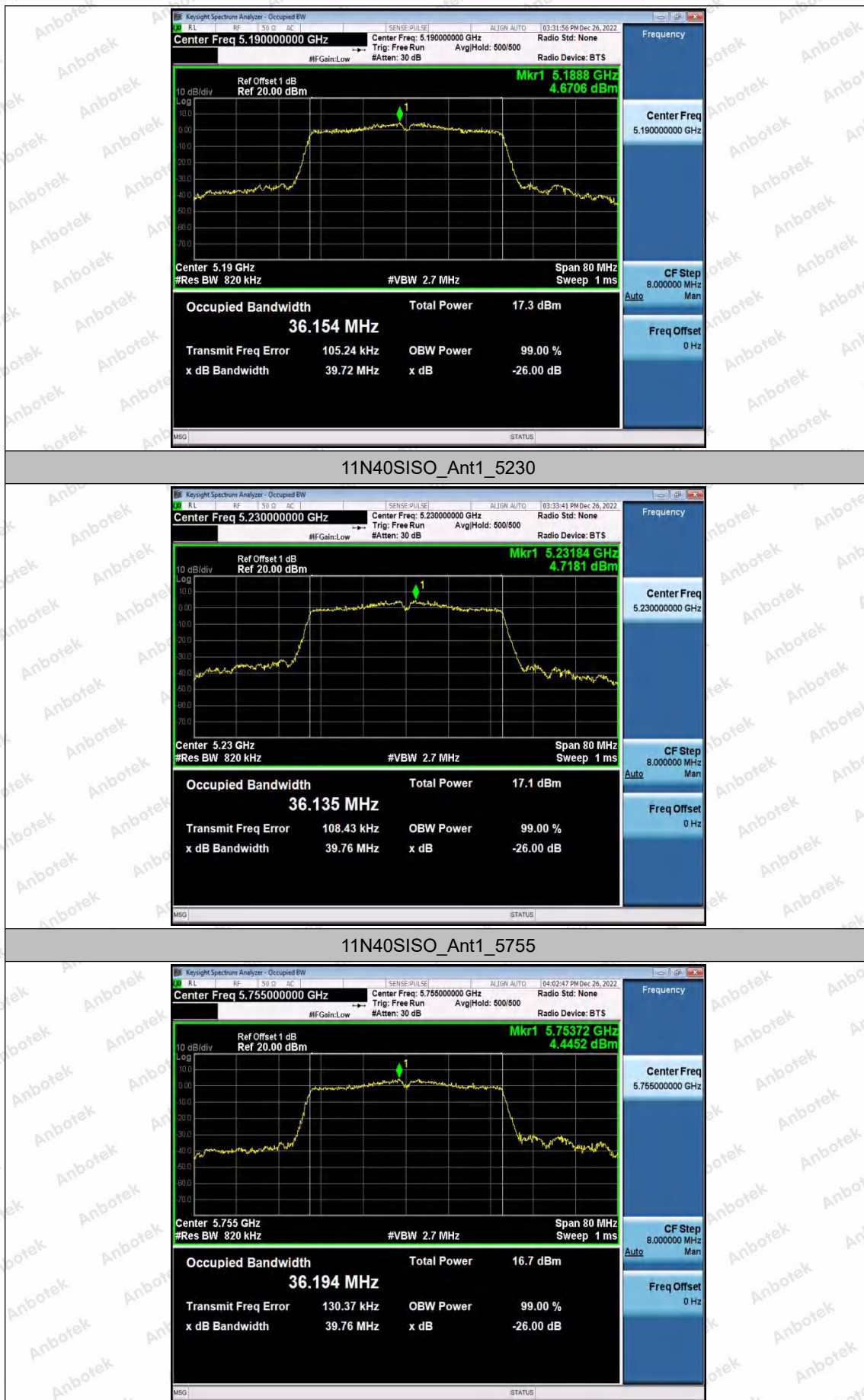
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11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200

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11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5745



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11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5190

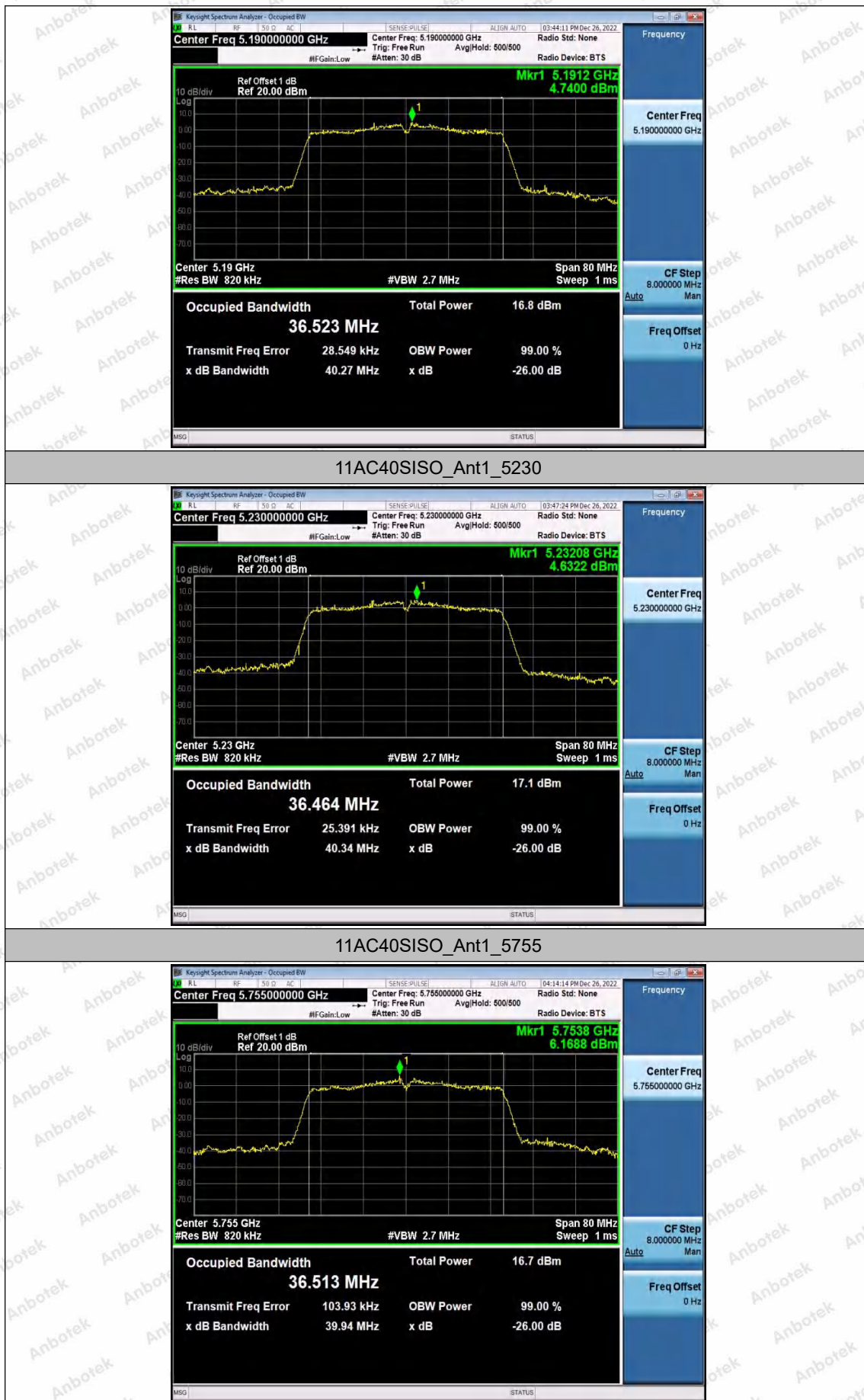
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11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775

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Appendix A3: Min emission bandwidth

Test Result B4

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.480	5737.440	5752.920	0.5	PASS
		5785	15.520	5777.240	5792.760	0.5	PASS
		5825	15.640	5817.280	5832.920	0.5	PASS
11N20SISO	Ant1	5745	17.200	5736.320	5753.520	0.5	PASS
		5785	17.000	5776.560	5793.560	0.5	PASS
		5825	17.200	5816.520	5833.720	0.5	PASS
11N40SISO	Ant1	5755	35.120	5737.480	5772.600	0.5	PASS
		5795	35.360	5777.480	5812.840	0.5	PASS
11AC20SISO	Ant1	5745	17.120	5736.560	5753.680	0.5	PASS
		5785	16.920	5776.280	5793.200	0.5	PASS
		5825	17.520	5816.320	5833.840	0.5	PASS
11AC40SISO	Ant1	5755	35.360	5737.480	5772.840	0.5	PASS
		5795	35.120	5777.480	5812.600	0.5	PASS
11AC80SISO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS

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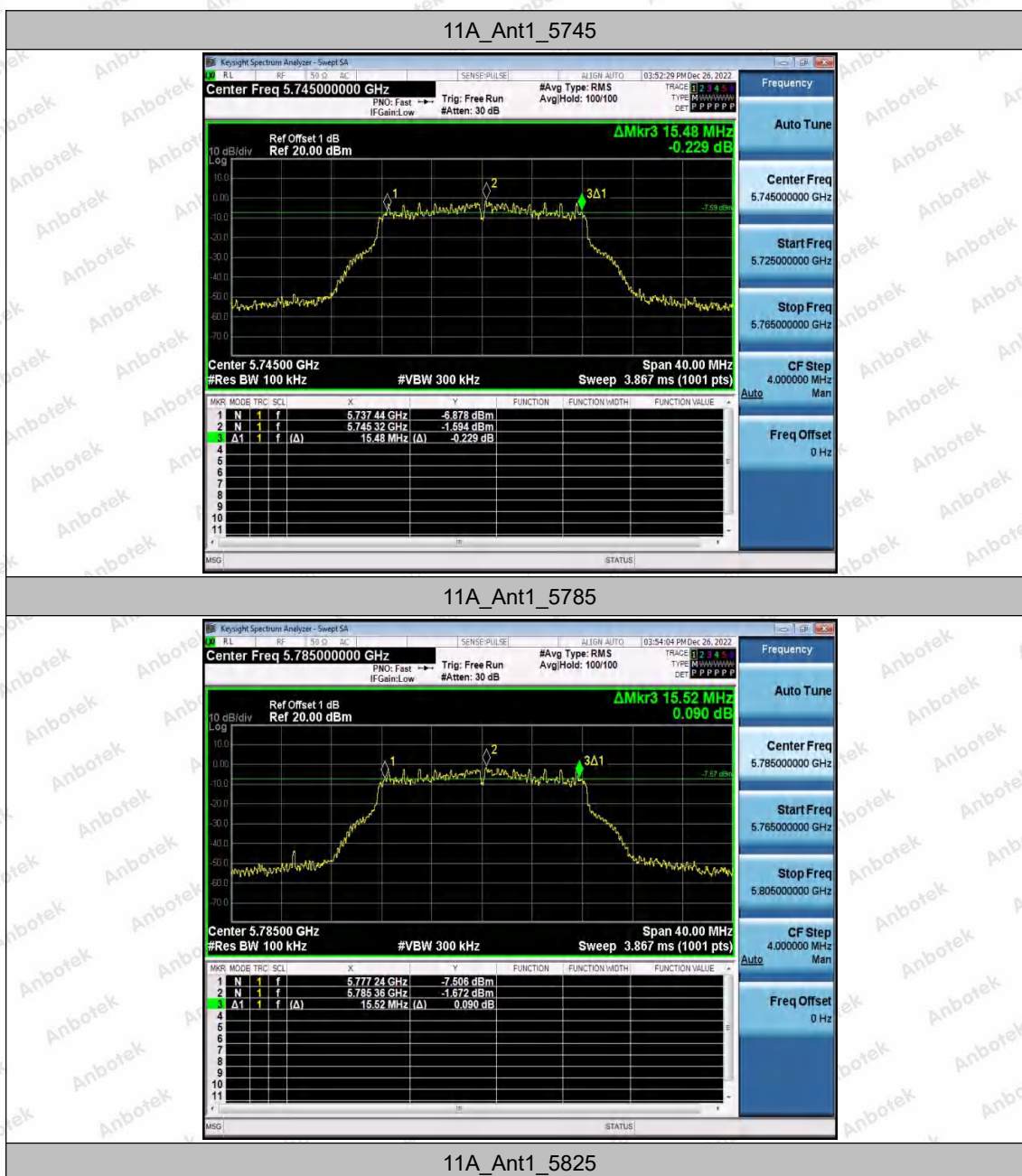
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Test Graphs B4



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11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



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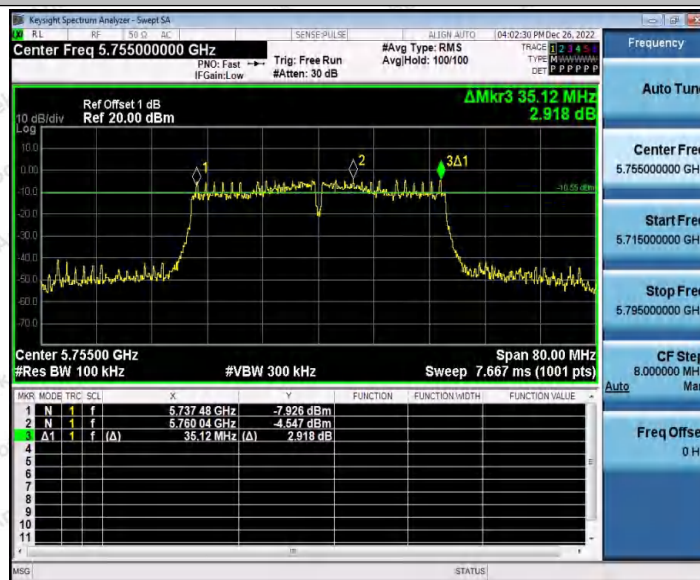
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11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795

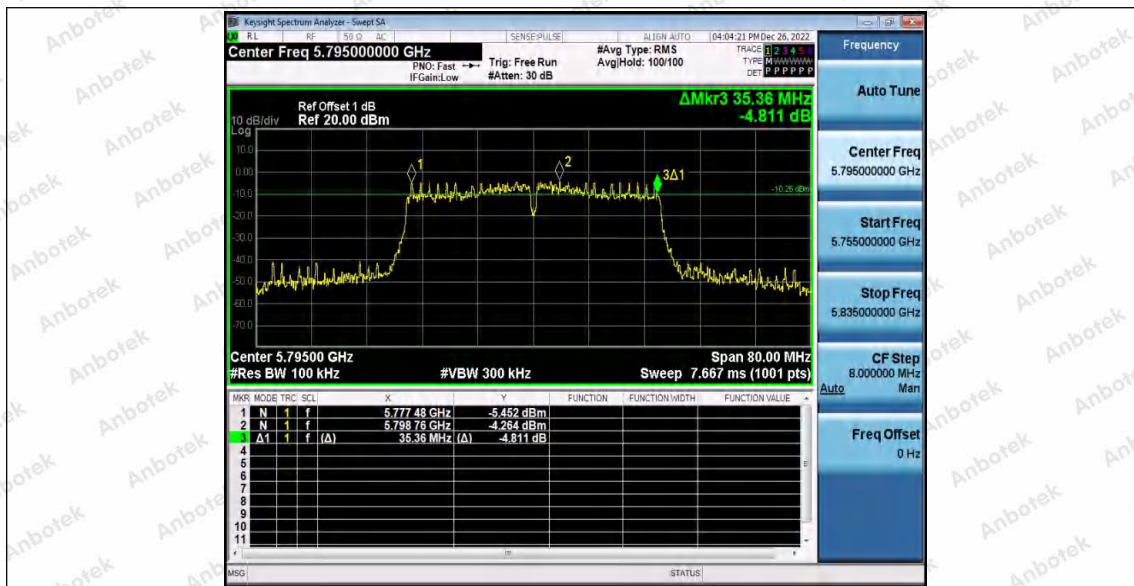
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11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



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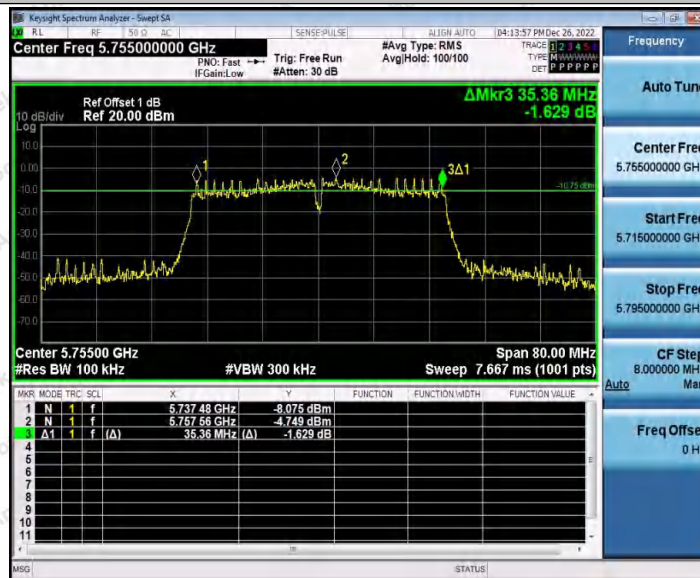
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11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795

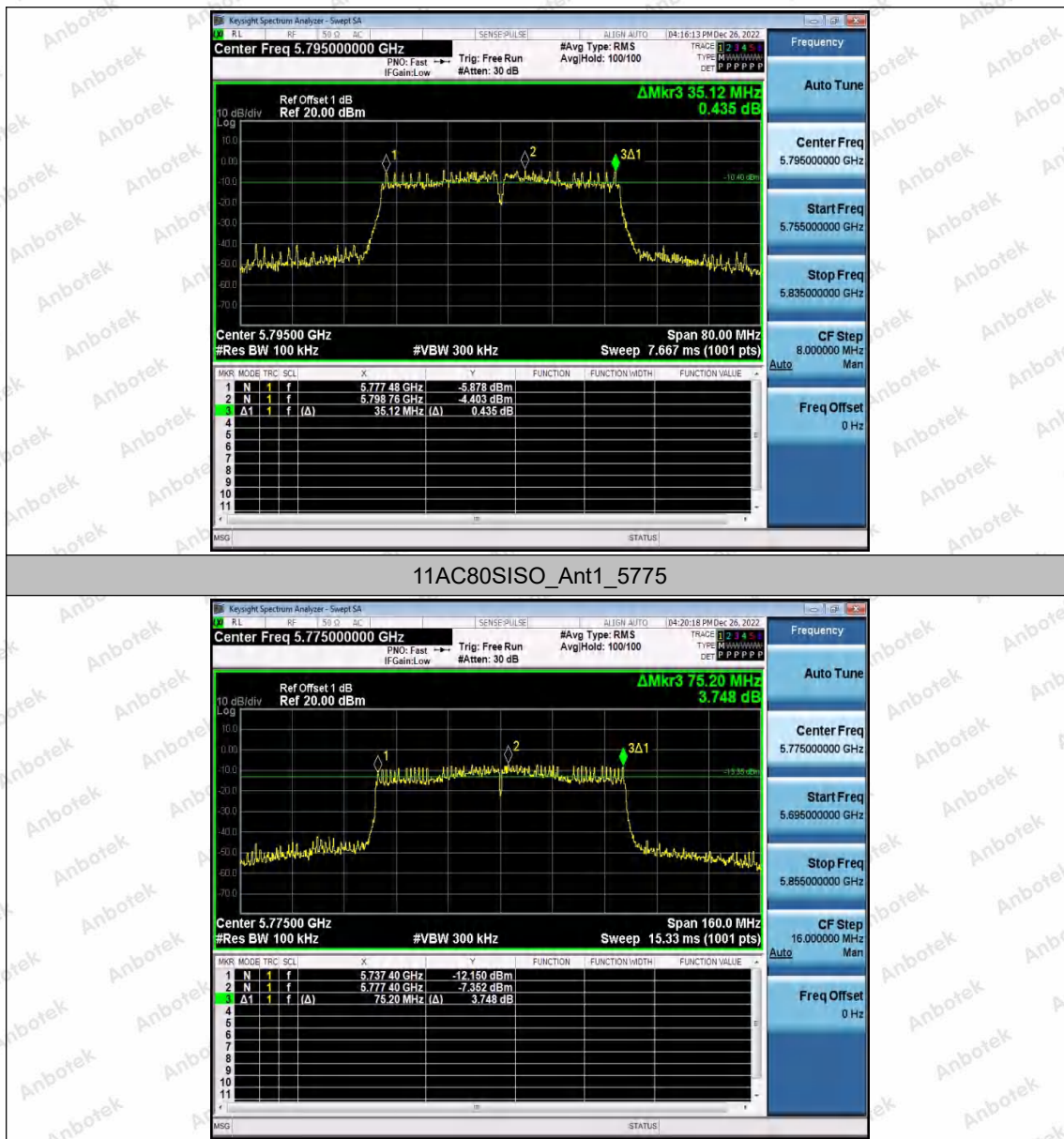
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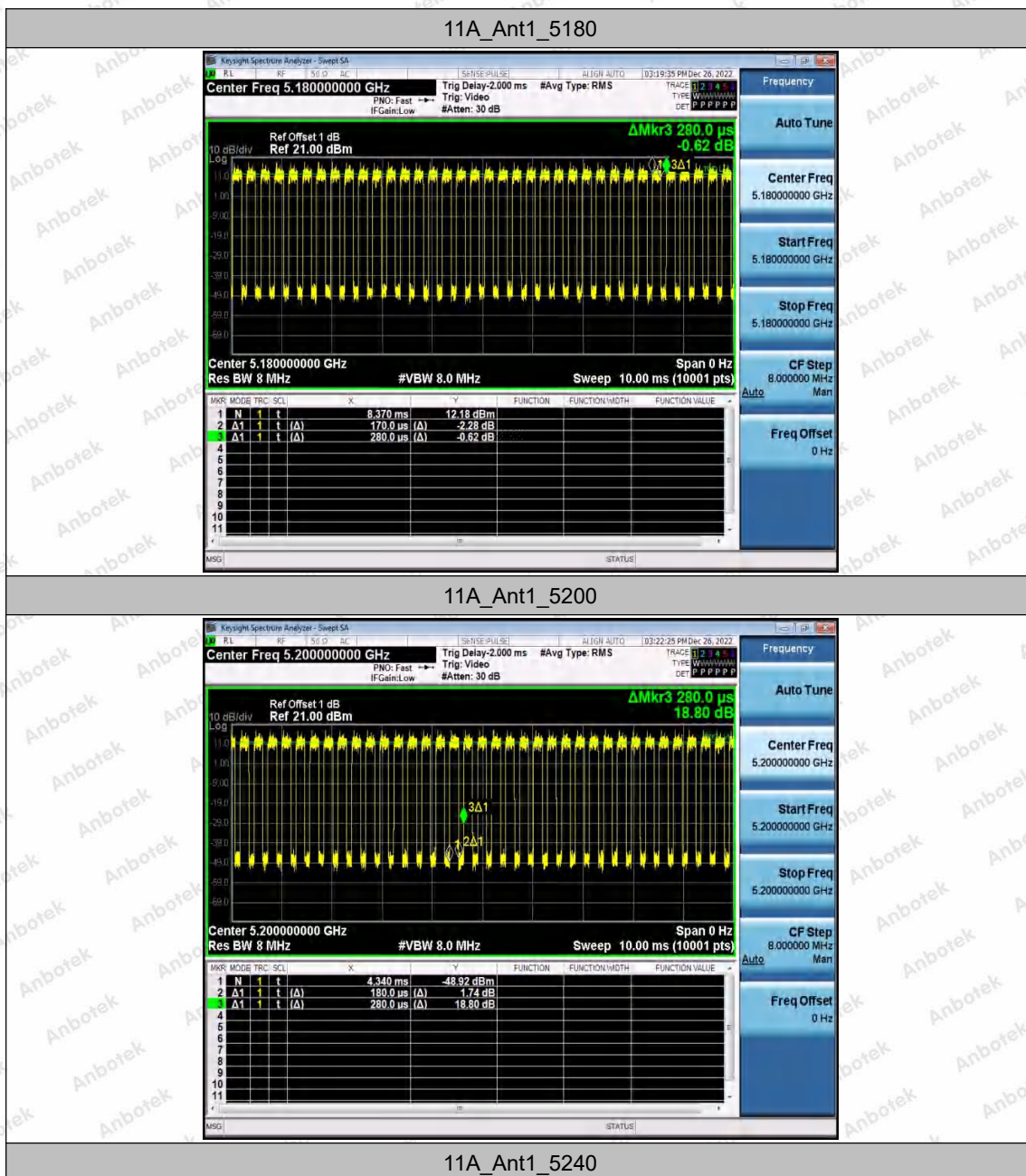
Appendix B: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	0.17	0.28	60.71
		5200	0.18	0.28	64.29
		5240	0.18	0.28	64.29
		5745	0.17	0.28	60.71
		5785	0.18	0.28	64.29
		5825	0.17	0.27	62.96
11N20SISO	Ant1	5180	0.16	0.26	61.54
		5200	0.17	0.27	62.96
		5240	0.16	0.26	61.54
		5745	0.16	0.27	59.26
		5785	0.16	0.26	61.54
		5825	0.16	0.27	59.26
11N40SISO	Ant1	5190	0.10	0.20	50.00
		5230	0.10	0.20	50.00
		5755	0.10	0.20	50.00
		5795	0.10	0.20	50.00
11AC20SISO	Ant1	5180	0.15	0.25	60.00
		5200	0.15	0.25	60.00
		5240	0.15	0.25	60.00
		5745	0.15	0.25	60.00
		5785	0.15	0.25	60.00
		5825	0.15	0.25	60.00
11AC40SISO	Ant1	5190	0.09	0.19	47.37
		5230	0.08	0.19	42.11
		5755	0.08	0.19	42.11
		5795	0.09	0.19	47.37
11AC80SISO	Ant1	5210	0.06	0.17	35.29
		5775	0.06	0.16	37.50



Test Graphs



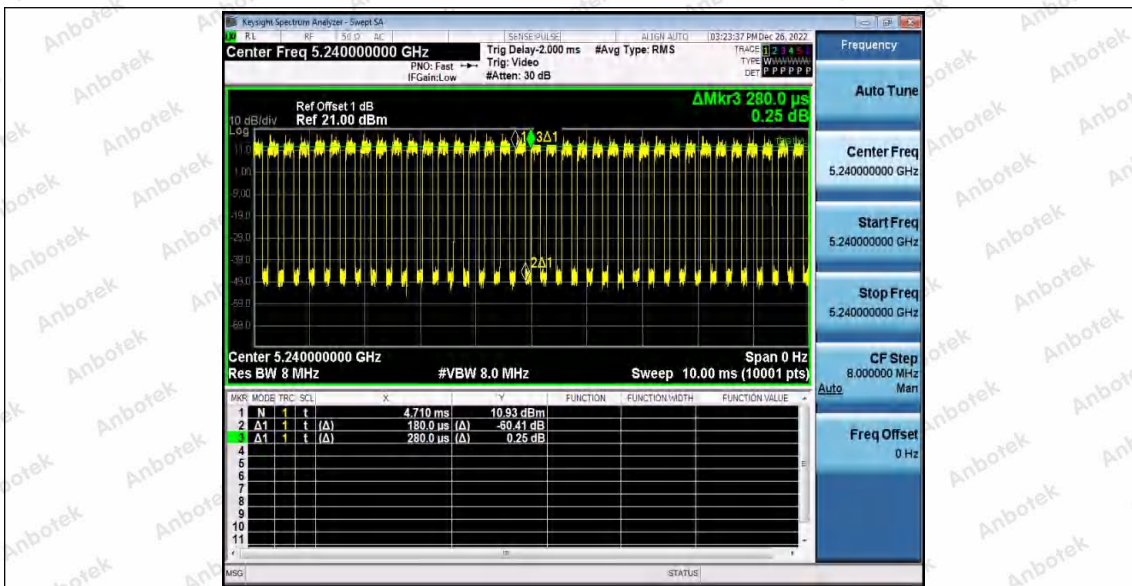
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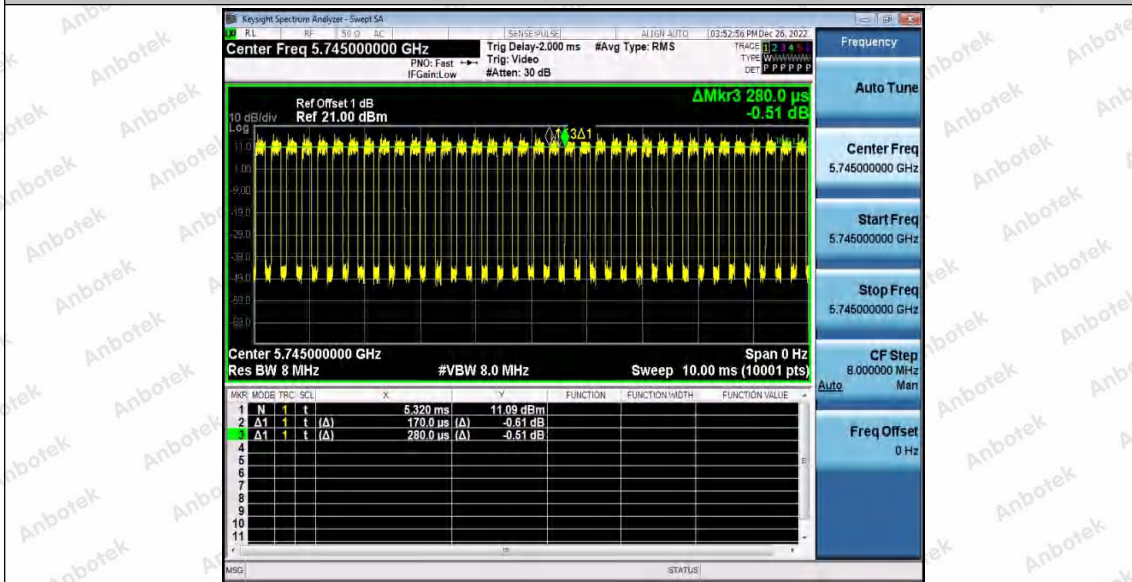


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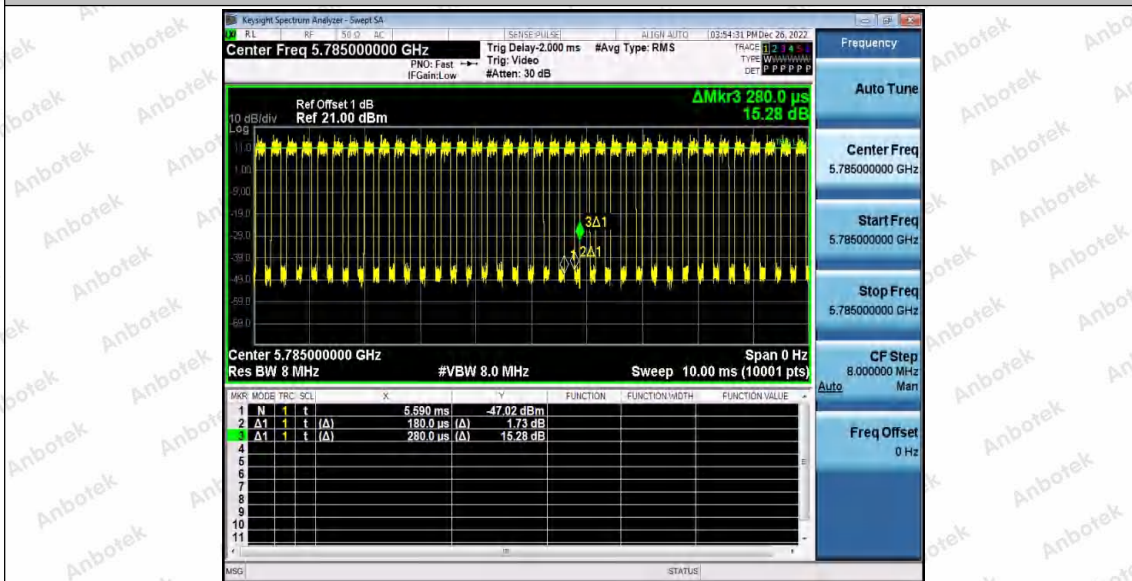




11A_Ant1_5745



11A_Ant1_5785



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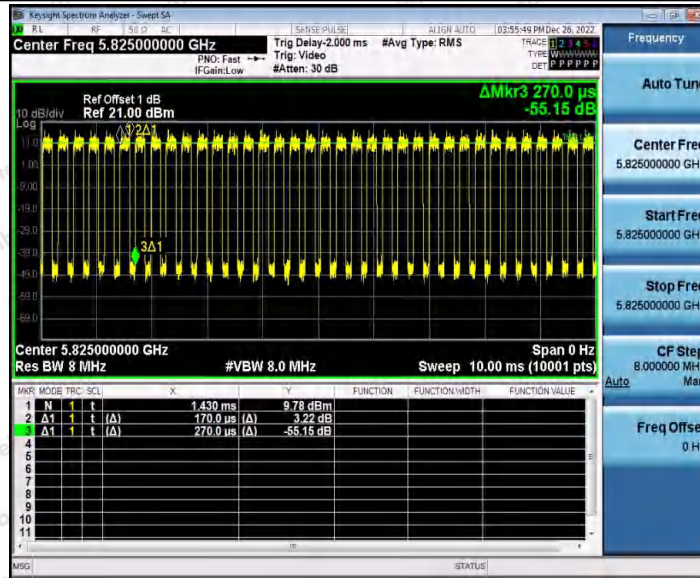
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Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



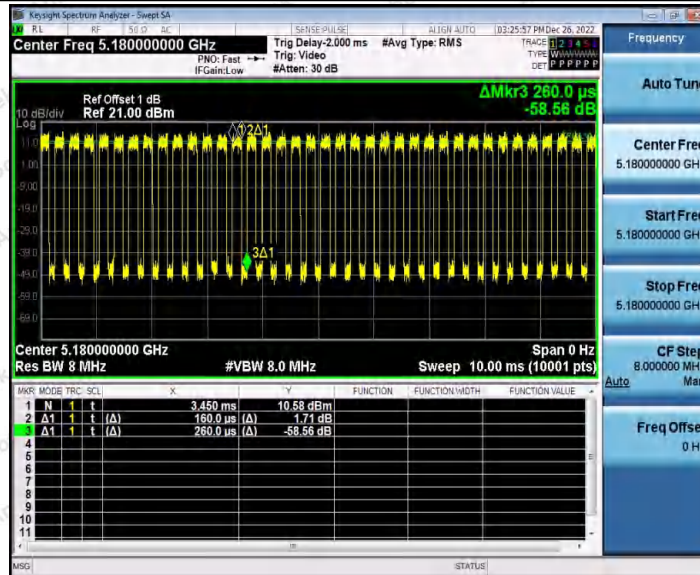
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11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200

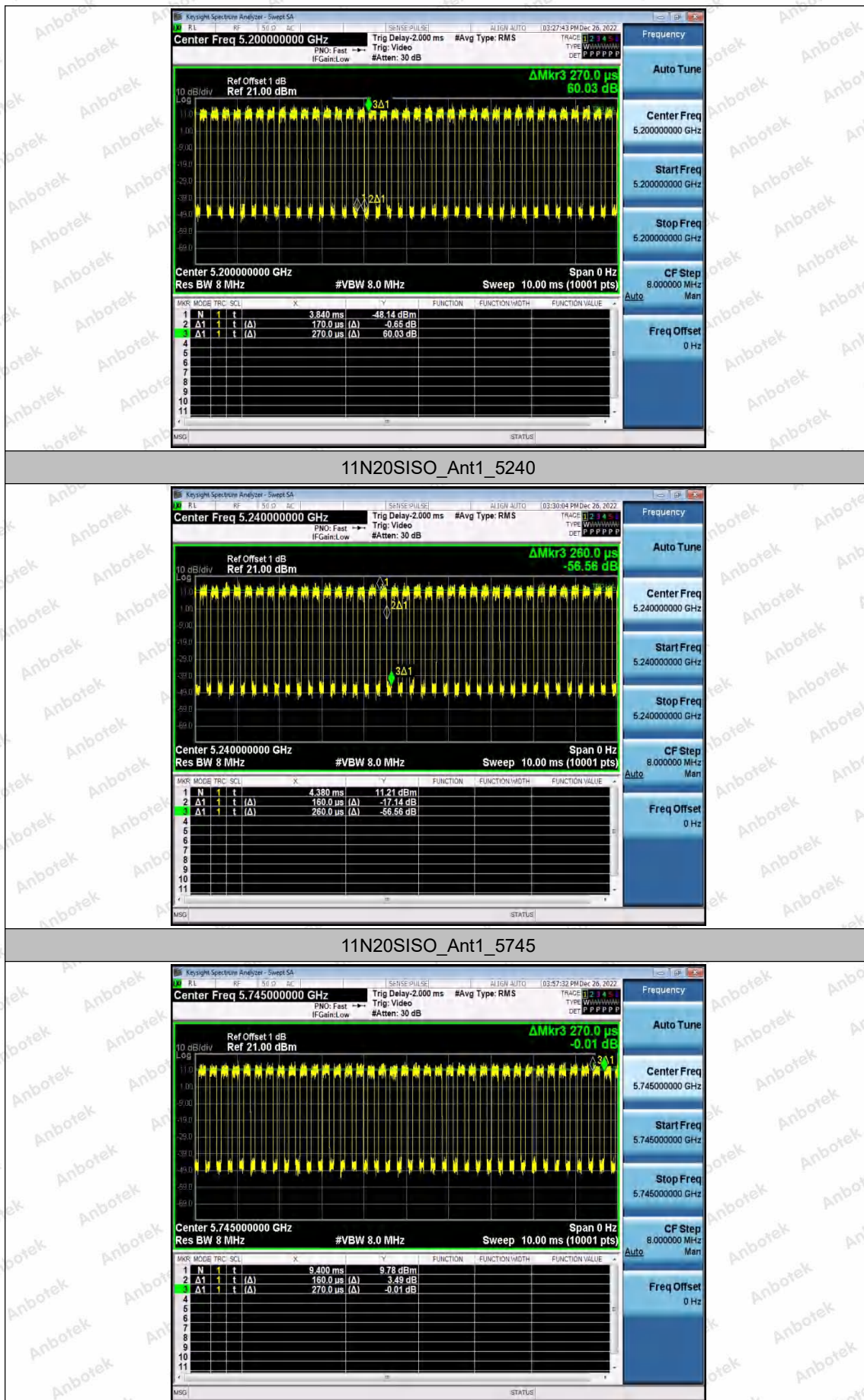
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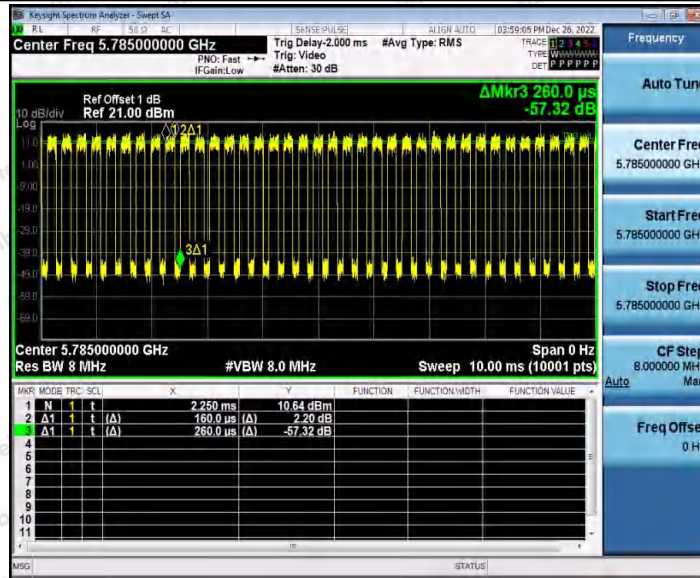
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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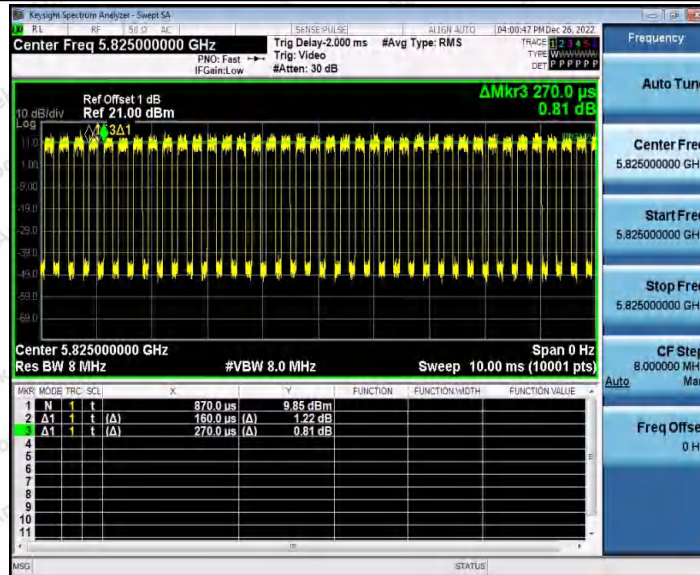
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11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5190

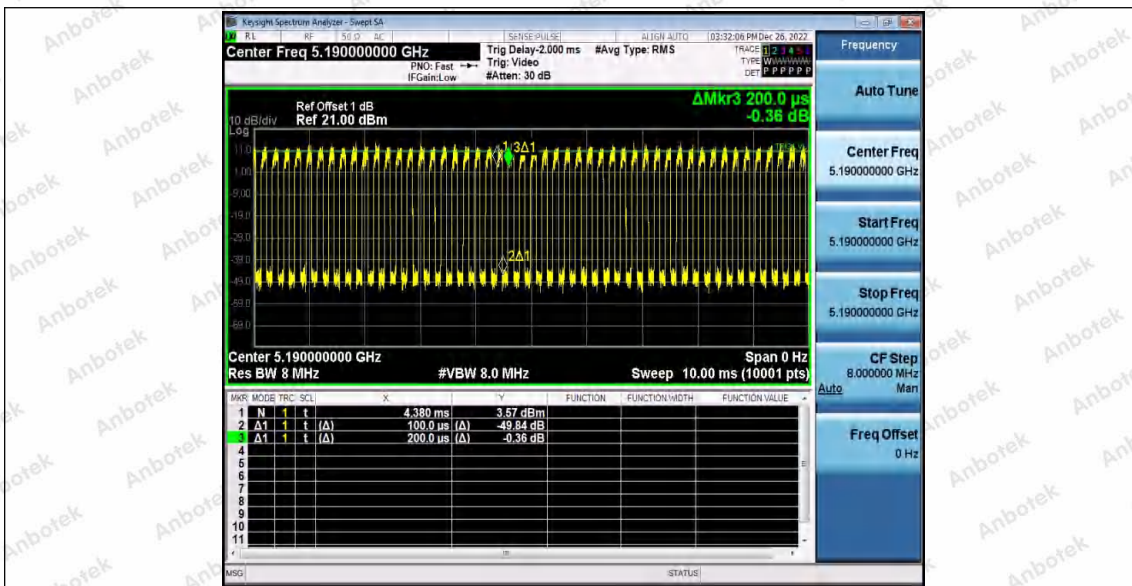
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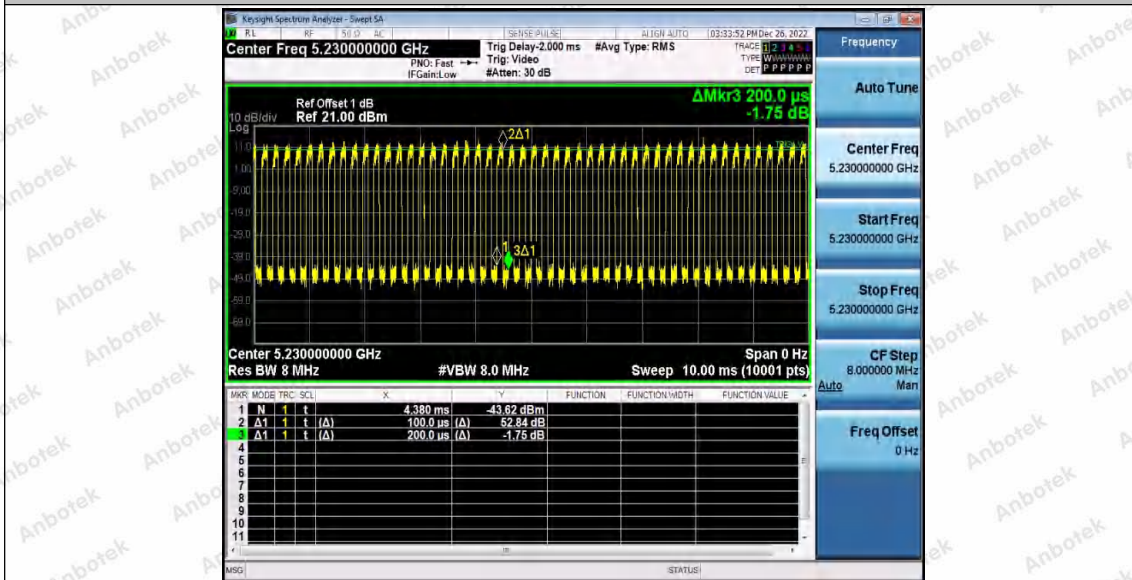


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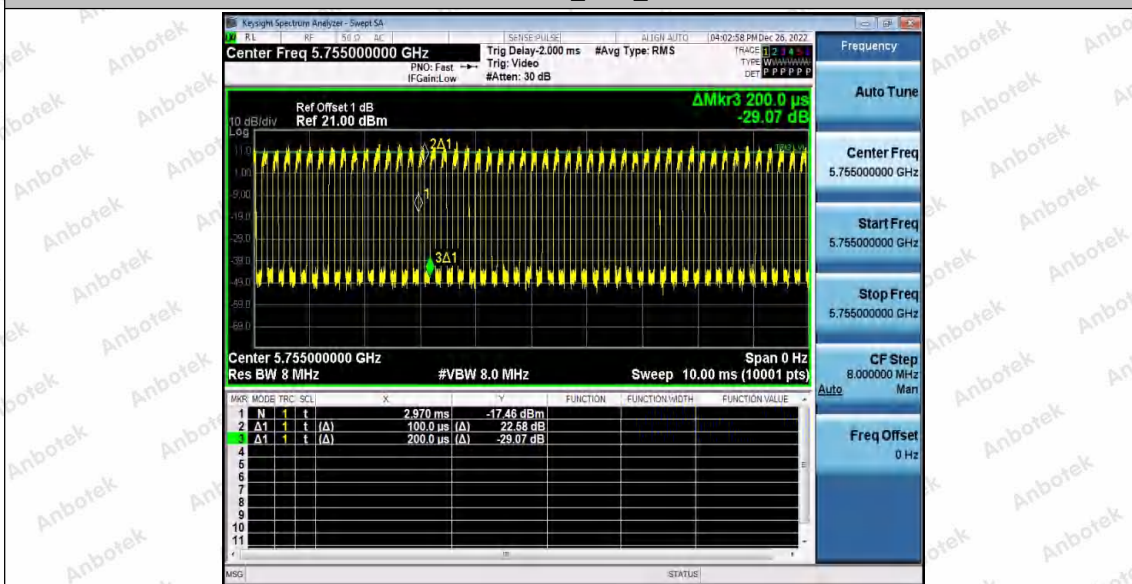




11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



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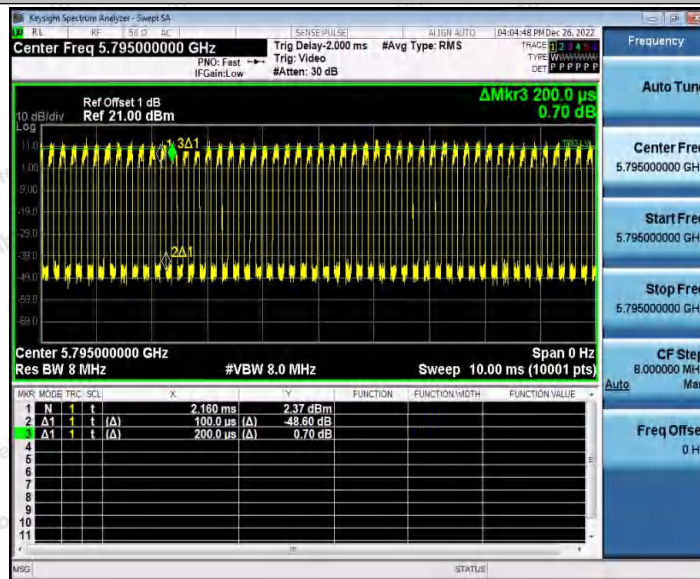
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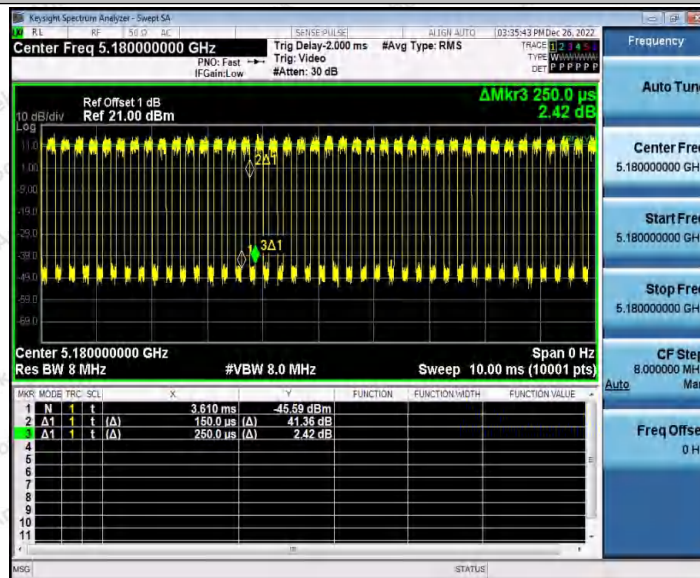
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11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200

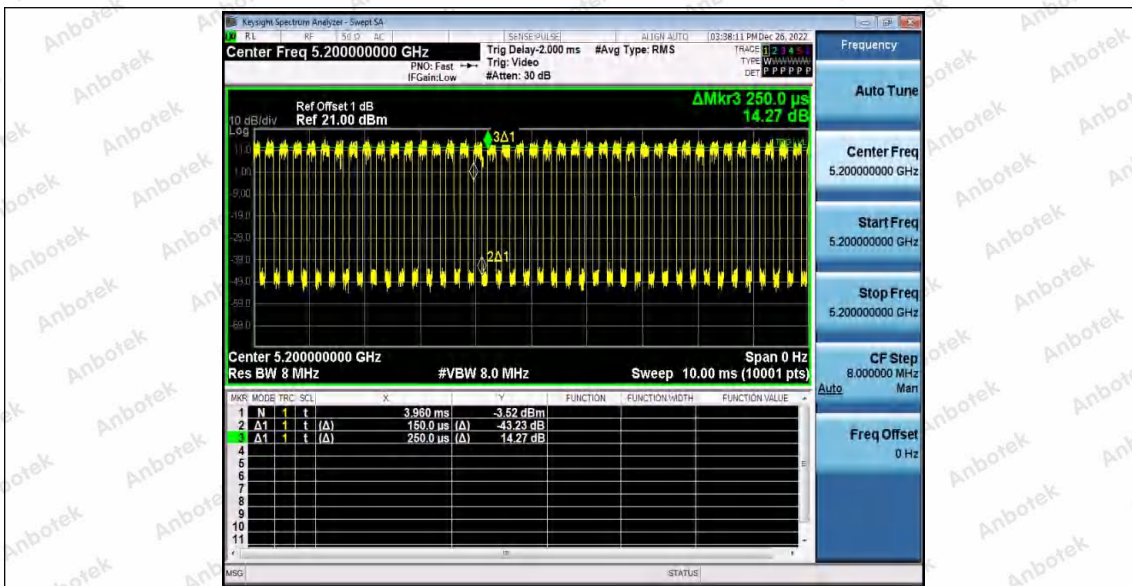
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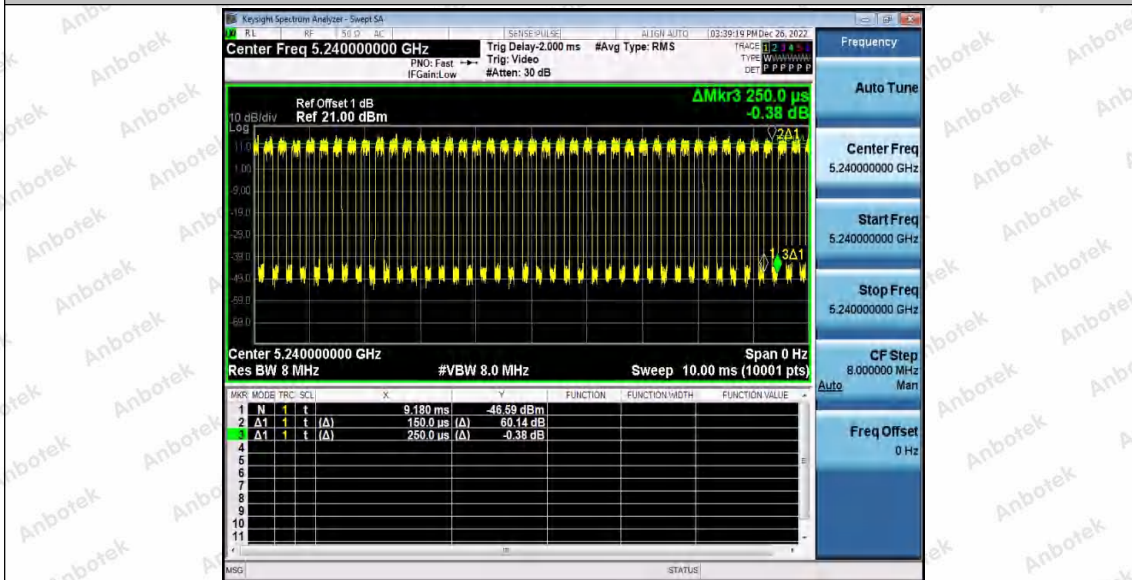


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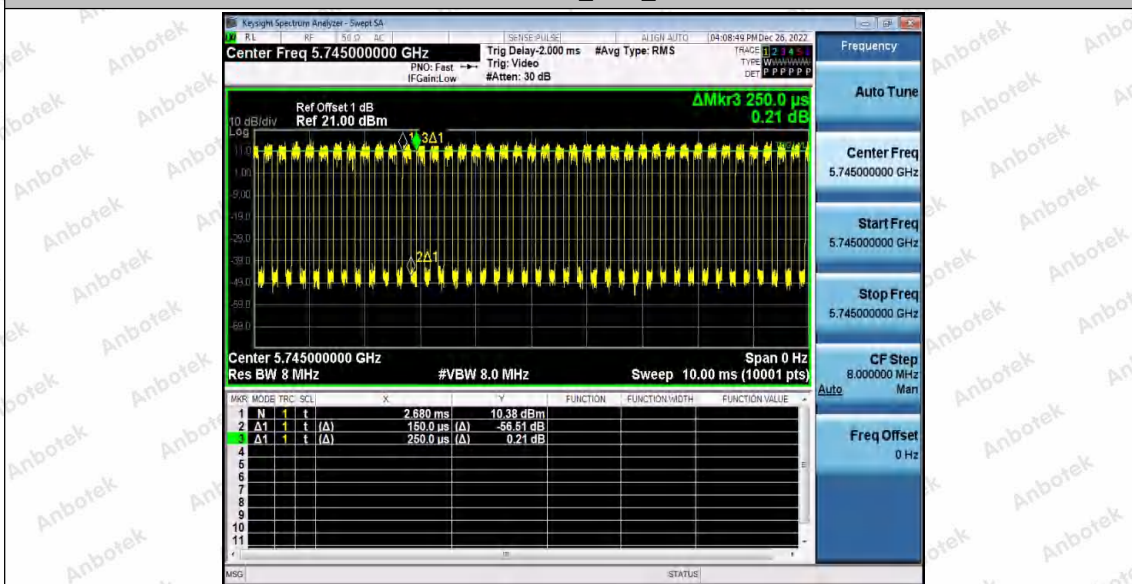




11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5745



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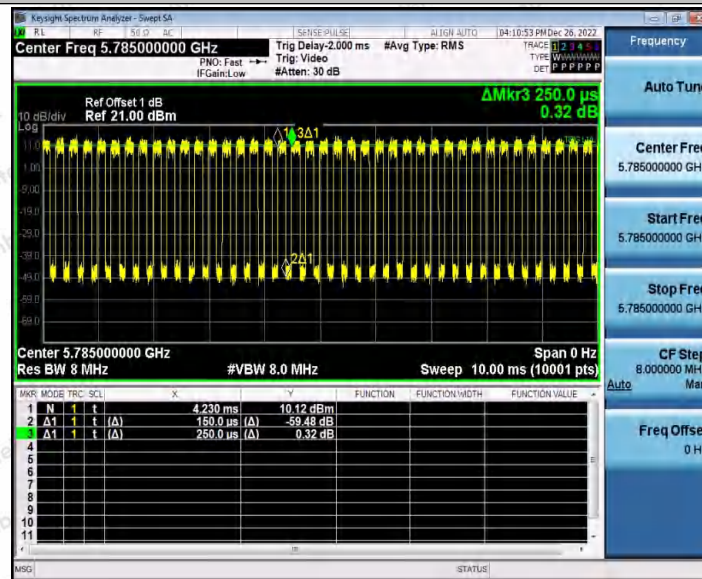
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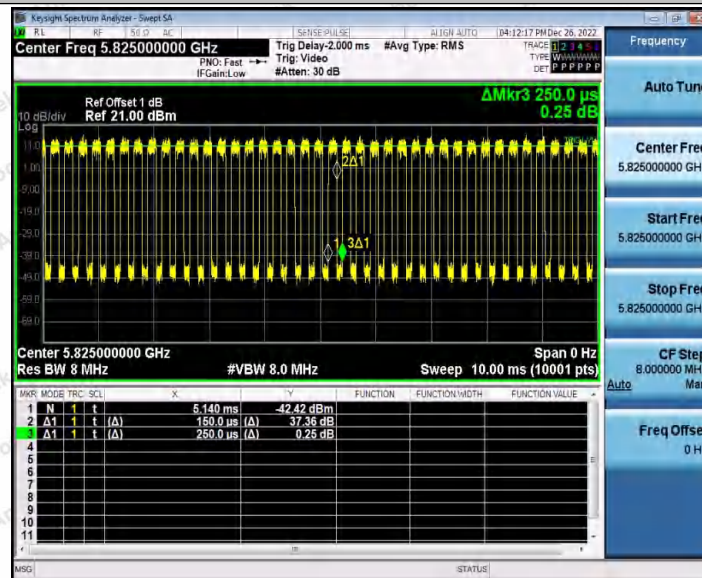
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11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5190

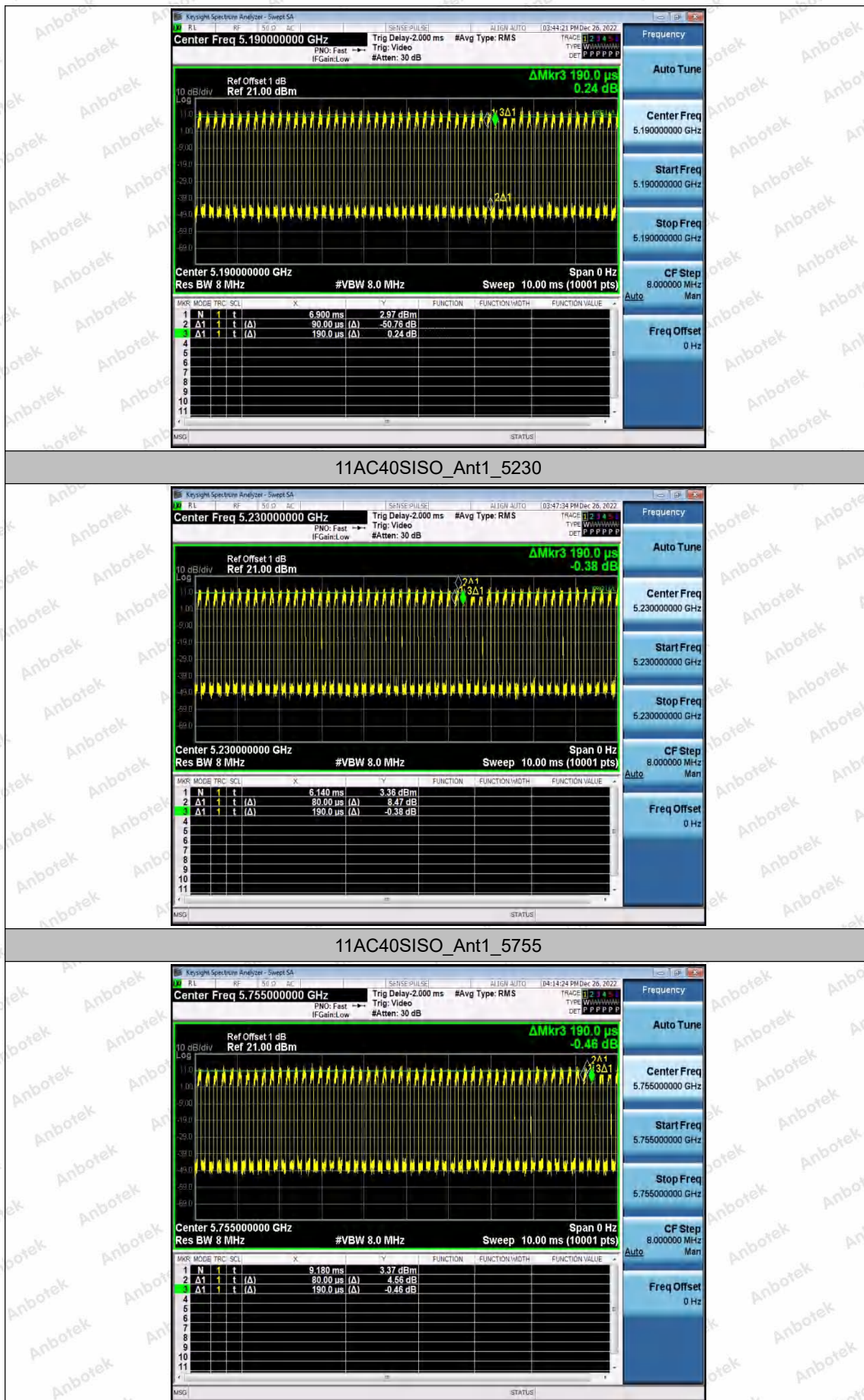
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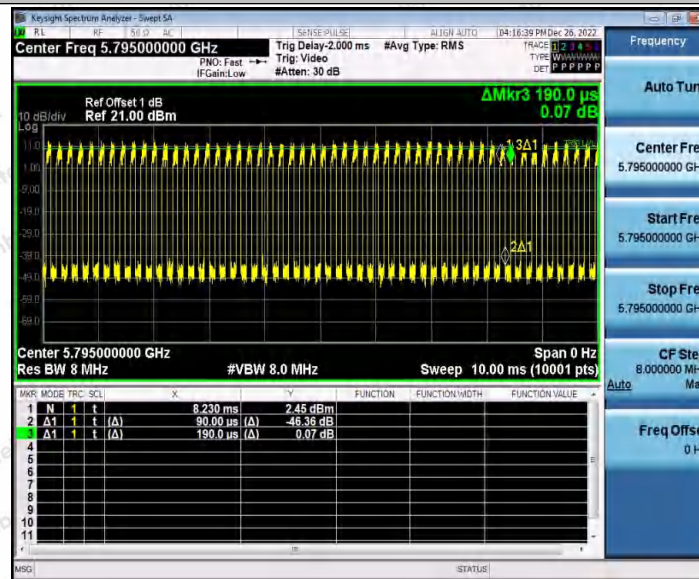
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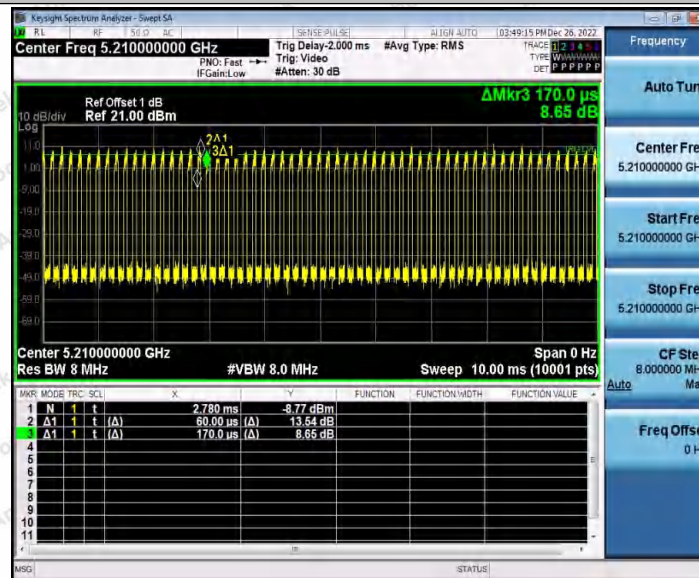
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11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775

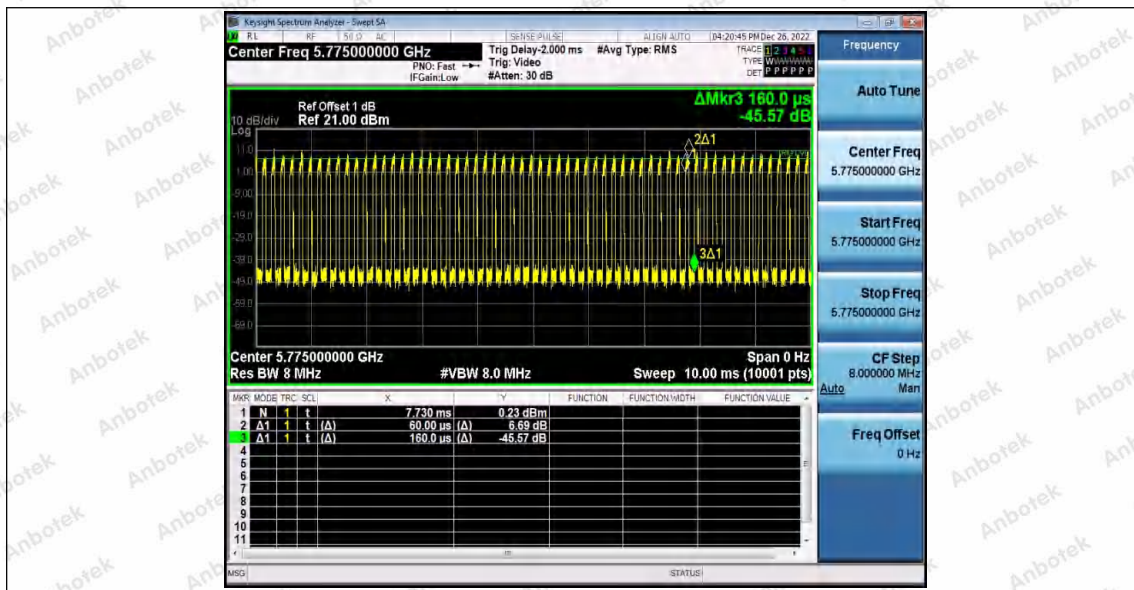
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Appendix C: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency [MHz]	Set Power	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]
11A	Ant1	5180	---	14.74	60.71	2.17	16.91	≤23.98
		5200	---	15.08	64.29	1.92	17.00	≤23.98
		5240	---	15.06	64.29	1.92	16.98	≤23.98
		5745	---	14.18	60.71	2.17	16.35	≤30.00
		5785	---	14.39	64.29	1.92	16.31	≤30.00
		5825	---	14.35	62.96	2.01	16.36	≤30.00
11N20 SISO	Ant1	5180	---	14.56	61.54	2.11	16.67	≤23.98
		5200	---	14.78	62.96	2.01	16.79	≤23.98
		5240	---	14.61	61.54	2.11	16.72	≤23.98
		5745	---	13.80	59.26	2.27	16.07	≤30.00
		5785	---	14.24	61.54	2.11	16.35	≤30.00
		5825	---	14.07	59.26	2.27	16.34	≤30.00
11N40 SISO	Ant1	5190	---	14.64	50.00	3.01	17.65	≤23.98
		5230	---	14.39	50.00	3.01	17.40	≤23.98
		5755	---	14.18	50.00	3.01	17.19	≤30.00
		5795	---	14.37	50.00	3.01	17.38	≤30.00
11AC2 OSISO	Ant1	5180	---	14.50	60.00	2.22	16.72	≤23.98
		5200	---	14.60	60.00	2.22	16.82	≤23.98
		5240	---	14.35	60.00	2.22	16.57	≤23.98
		5745	---	13.79	60.00	2.22	16.01	≤30.00
		5785	---	13.94	60.00	2.22	16.16	≤30.00
		5825	---	13.91	60.00	2.22	16.13	≤30.00
11AC4 OSISO	Ant1	5190	---	14.19	47.37	3.24	17.43	≤23.98
		5230	---	14.46	42.11	3.76	18.22	≤23.98
		5755	---	14.08	42.11	3.76	17.84	≤30.00
		5795	---	14.21	47.37	3.24	17.45	≤30.00
11AC8 OSISO	Ant1	5210	---	13.99	35.29	4.52	18.51	≤23.98
		5775	---	13.55	37.50	4.26	17.81	≤30.00

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



Appendix D: Maximum power spectral density

Test Result B1

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	0.53	≤11.00	PASS
		5200	0.82	≤11.00	PASS
		5240	1.02	≤11.00	PASS
11N20SISO	Ant1	5180	0.5	≤11.00	PASS
		5200	0.32	≤11.00	PASS
		5240	0.09	≤11.00	PASS
11N40SISO	Ant1	5190	-2.5	≤11.00	PASS
		5230	-2.85	≤11.00	PASS
11AC20SISO	Ant1	5180	-0.16	≤11.00	PASS
		5200	0.25	≤11.00	PASS
		5240	-0.61	≤11.00	PASS
11AC40SISO	Ant1	5190	-2.95	≤11.00	PASS
		5230	-2.21	≤11.00	PASS
11AC80SISO	Ant1	5210	-5.73	≤11.00	PASS

Note: 1.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Result B4

TestMode	Antenna	Frequency[MHz]	Result [dBm/500KHz]	Limit[dBm/500KHz]	Verdict
11A	Ant1	5745	-2.63	≤30.00	PASS
		5785	-2.63	≤30.00	PASS
		5825	-2.55	≤30.00	PASS
11N20SISO	Ant1	5745	-2.8	≤30.00	PASS
		5785	-3.15	≤30.00	PASS
		5825	-2.74	≤30.00	PASS
11N40SISO	Ant1	5755	-5.36	≤30.00	PASS
		5795	-5.56	≤30.00	PASS
11AC20SISO	Ant1	5745	-3.53	≤30.00	PASS
		5785	-2.8	≤30.00	PASS
		5825	-3.18	≤30.00	PASS
11AC40SISO	Ant1	5755	-5.01	≤30.00	PASS
		5795	-5.39	≤30.00	PASS
11AC80SISO	Ant1	5775	-8.41	≤30.00	PASS

Note: 1.The Duty Cycle Factor and RBW Factor is compensated in the graph.

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Test Graphs B1



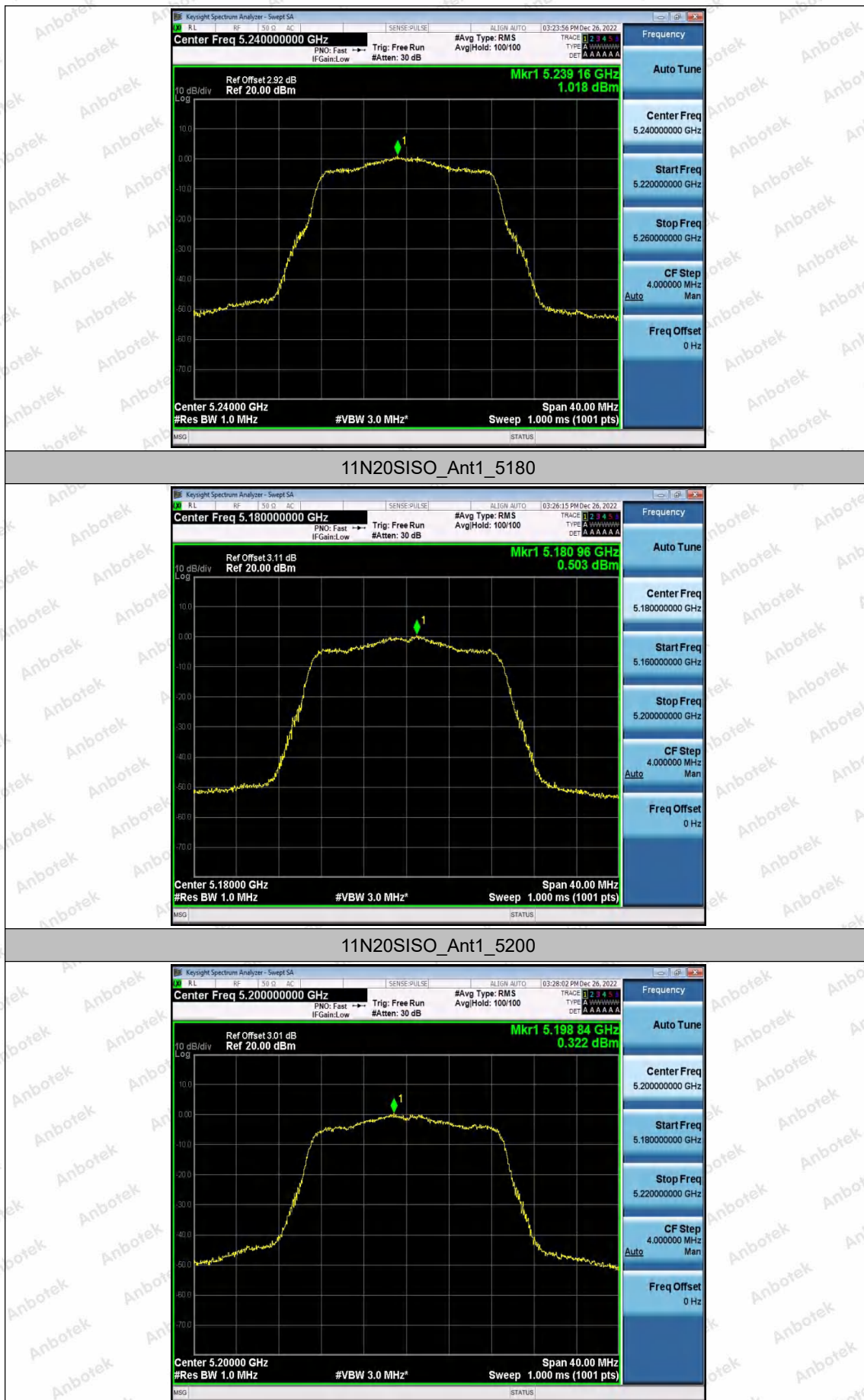
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11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230

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11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



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11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230

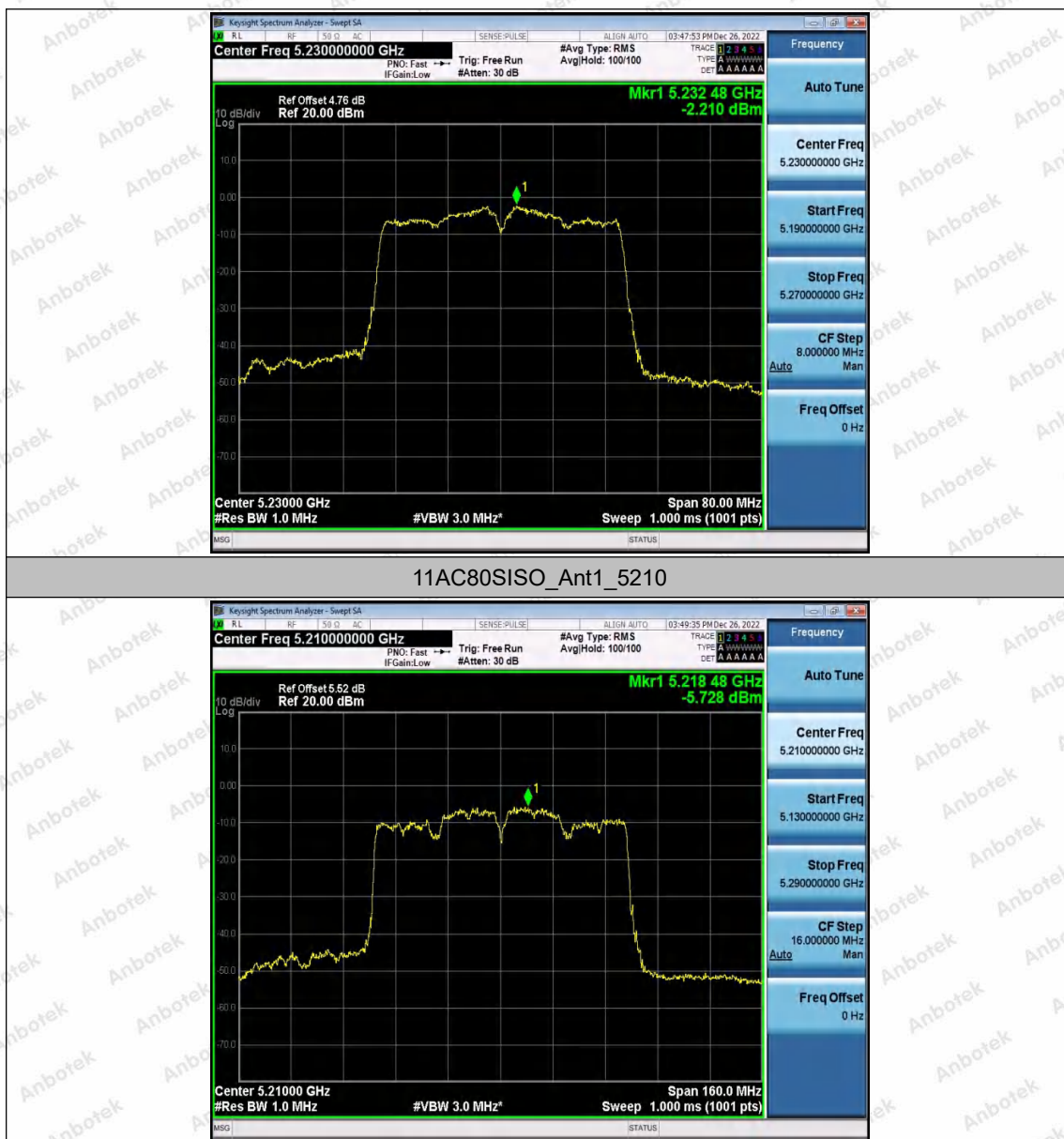
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Test Graphs B4

11A_Ant1_5745





11A_Ant1_5785



11A_Ant1_5825



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11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825

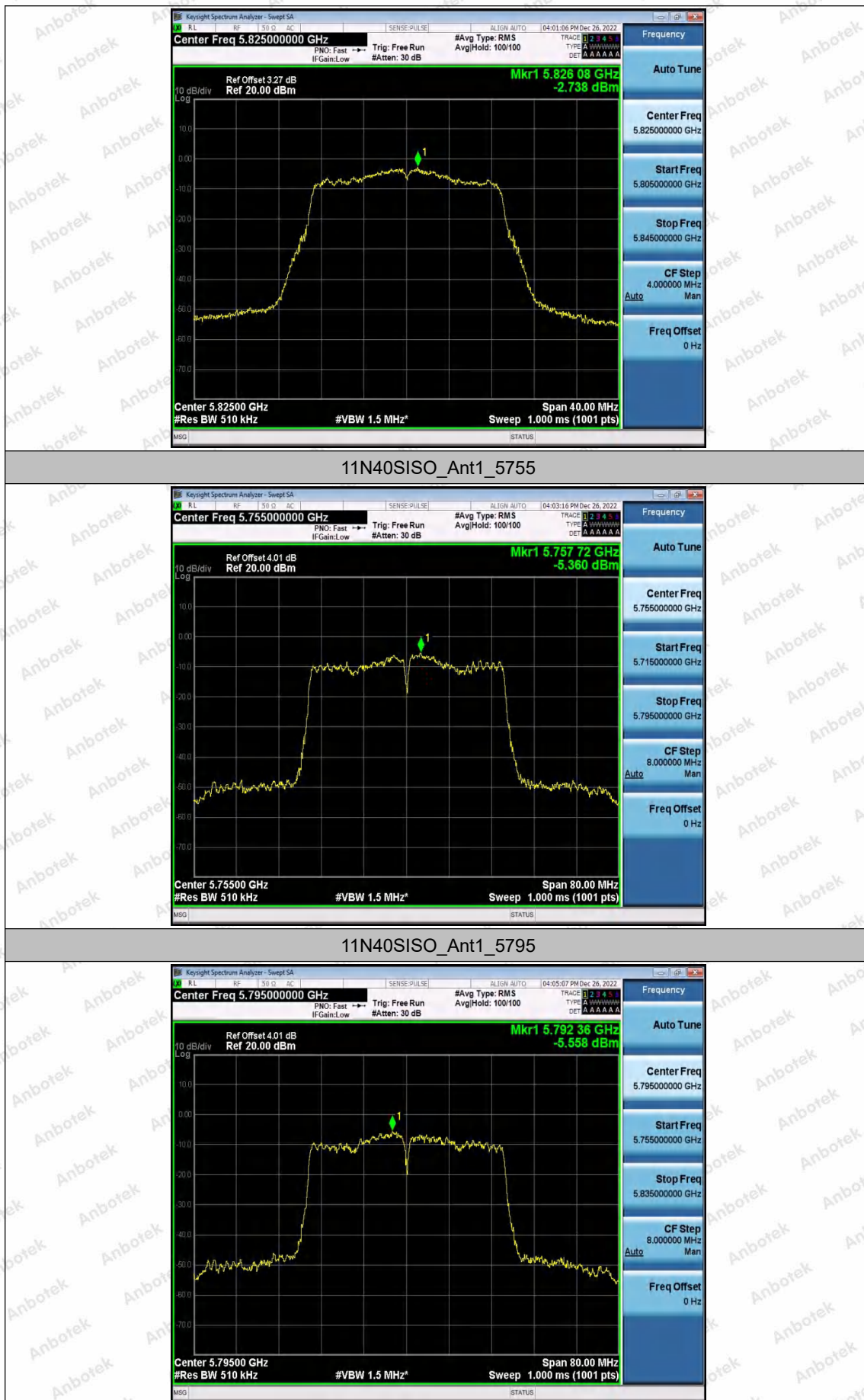
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11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825

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11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



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Appendix E: Band edge measurements

Test Result B1

TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-51.74	≤-27	PASS
		High	5240	-57.98	≤-27	PASS
11N20SISO	Ant1	Low	5180	-54.53	≤-27	PASS
		High	5240	-58.01	≤-27	PASS
11N40SISO	Ant1	Low	5190	-50.38	≤-27	PASS
		High	5230	-57.09	≤-27	PASS
11AC20SISO	Ant1	Low	5180	-54.41	≤-27	PASS
		High	5240	-57.54	≤-27	PASS
11AC40SISO	Ant1	Low	5190	-50.34	≤-27	PASS
		High	5230	-57.21	≤-27	PASS
11AC80SISO	Ant1	Low	5210	-43.39	≤-27	PASS
		High	5210	-53.86	≤-27	PASS

Test Result B4

TestMode	Antenna	ChName	Frequency[MHz]	FreqRange[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-56.12	≤-6.02	PASS
				5700~5720	-54.17	≤13.76	PASS
				5720~5725	-53.35	≤26.83	PASS
				5760~5650	-58.41	≤-27	PASS
		High	5825	5850~5855	-53.69	≤19.49	PASS
				5855~5875	-55.17	≤10.36	PASS
				5875~5925	-57.63	≤-7.97	PASS
				5925~5935	-59.4	≤-27	PASS
11N20SISO	Ant1	Low	5745	5650~5700	-56.46	≤8.96	PASS
				5700~5720	-54.36	≤15.21	PASS
				5720~5725	-52.24	≤25.78	PASS
				5760~5650	-58.67	≤-27	PASS
		High	5825	5850~5855	-54.35	≤16.41	PASS
				5855~5875	-55.84	≤11.50	PASS
				5875~5925	-57.28	≤-22.46	PASS
				5925~5935	-57.84	≤-27	PASS
11N40SISO	Ant1	Low	5755	5650~5700	-54.33	≤9.16	PASS
				5700~5720	-41.71	≤14.94	PASS
				5720~5725	-41.72	≤24.36	PASS
				5780~5650	-58.05	≤-27	PASS
		High	5795	5850~5855	-54.44	≤21.30	PASS

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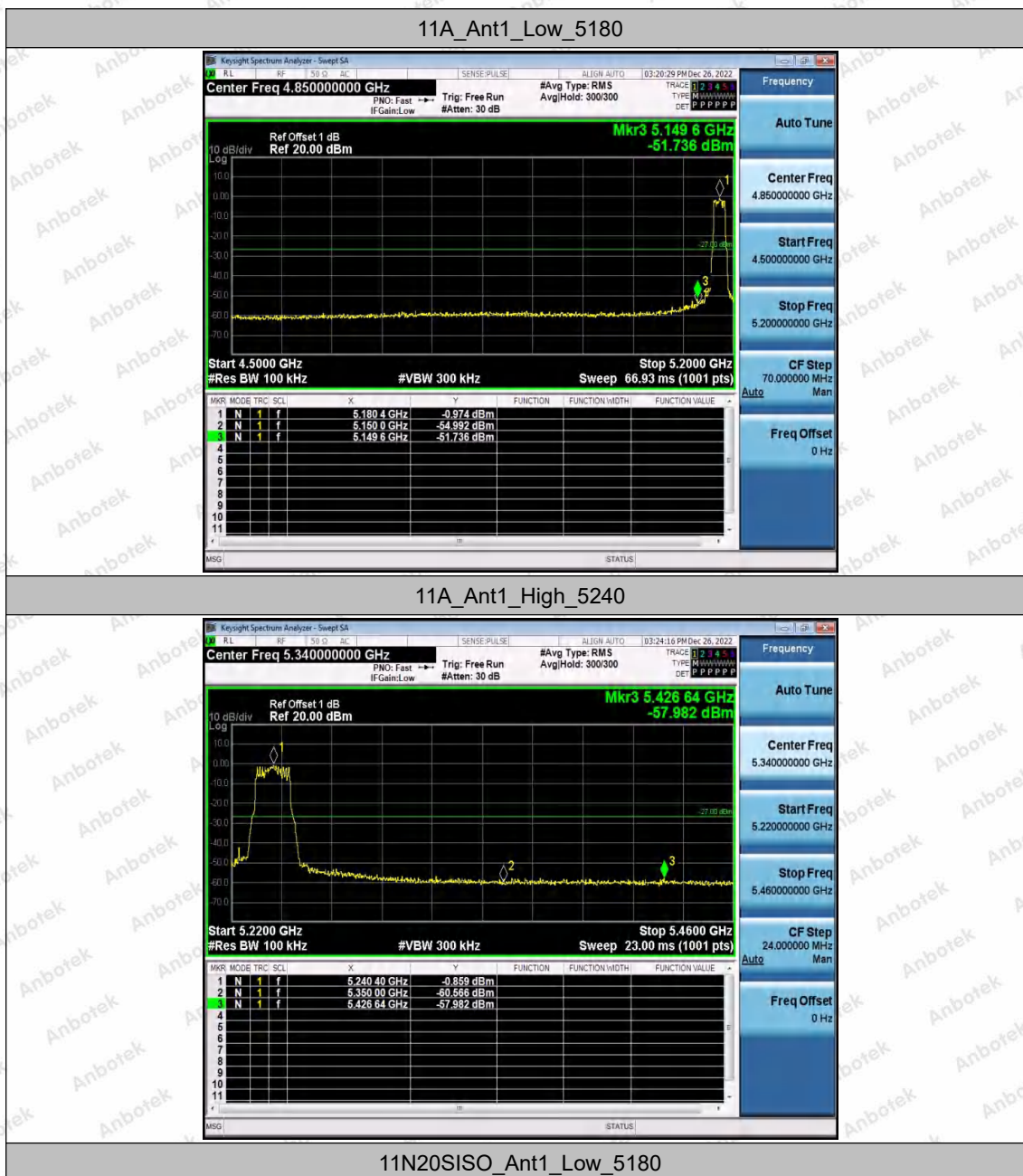
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				5855~5875	-56.41	≤13.87	PASS
				5875~5925	-55.9	≤-13.98	PASS
				5925~5935	-57.4	≤-27	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-56.76	≤7.00	PASS
				5700~5720	-54.75	≤14.47	PASS
				5720~5725	-52.58	≤25.78	PASS
				5760~5650	-58.41	≤-27	PASS
		High	5825	5850~5855	-53.91	≤16.72	PASS
				5855~5875	-54.98	≤10.85	PASS
				5875~5925	-57.47	≤-25.26	PASS
				5925~5935	-57.66	≤-27	PASS
11AC40S ISO	Ant1	Low	5755	5650~5700	-54.17	≤8.26	PASS
				5700~5720	-40.82	≤14.90	PASS
				5720~5725	-40.97	≤24.05	PASS
				5780~5650	-58.03	≤-27	PASS
		High	5795	5850~5855	-54.03	≤21.30	PASS
				5855~5875	-56.38	≤10.13	PASS
				5875~5925	-56.66	≤-17.76	PASS
				5925~5935	-58.63	≤-27	PASS
11AC80S ISO	Ant1	Low	5775	5650~5700	-46.48	≤1.76	PASS
				5700~5720	-42.43	≤15.26	PASS
				5720~5725	-42.43	≤21.30	PASS
				5800~5650	-57.44	≤-27	PASS
		High	5775	5850~5855	-48.43	≤18.75	PASS
				5855~5875	-50.81	≤13.13	PASS
				5875~5925	-55.98	≤-22.30	PASS
				5925~5935	-56.93	≤-27	PASS



Test Graphs B1



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Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

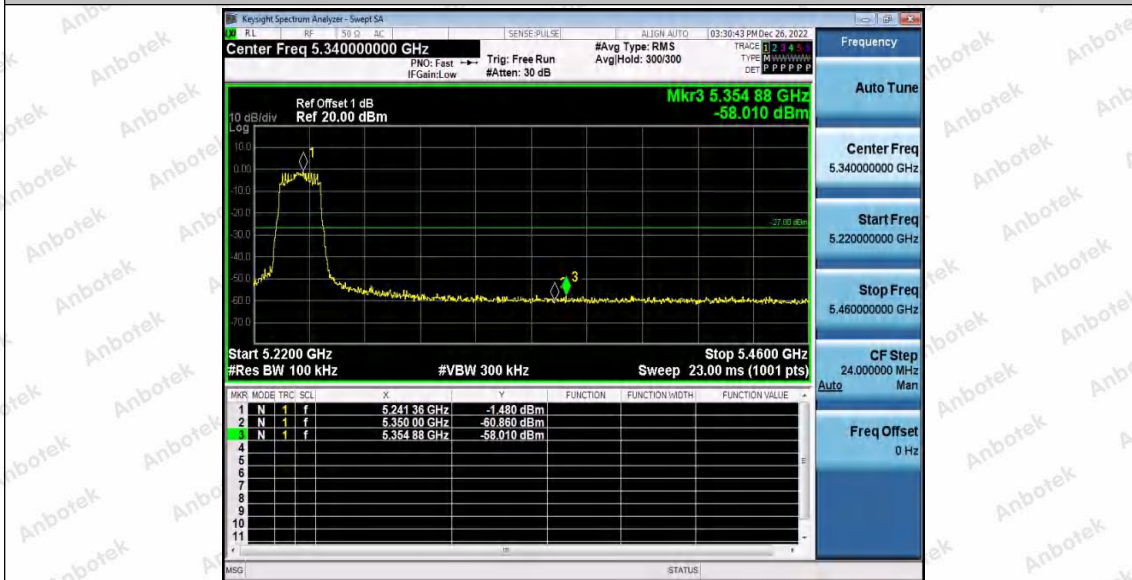


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11N20ISO_Ant1_High_5240



11N40ISO_Ant1_Low_5190



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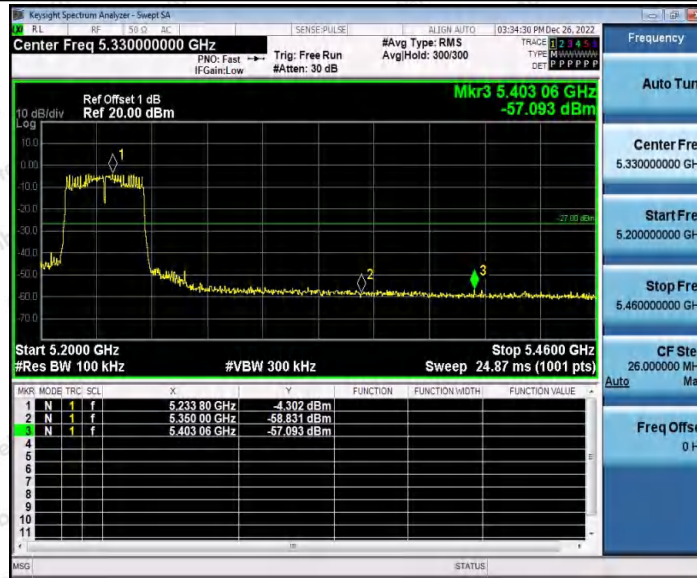
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



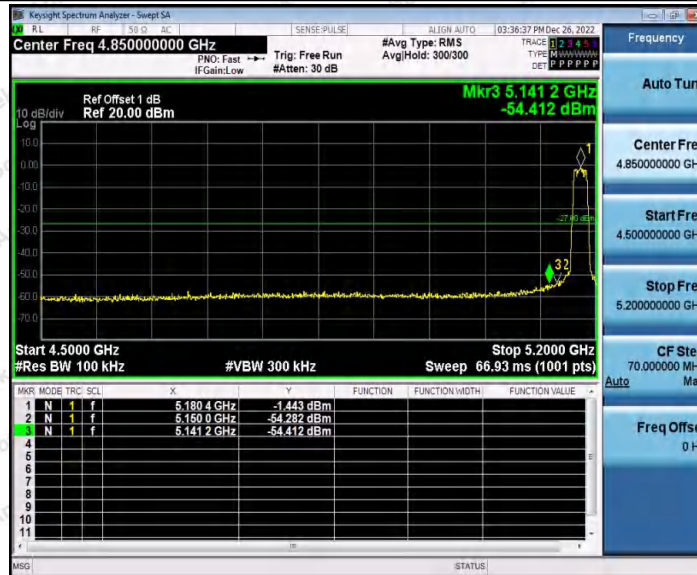
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11N40SISO_Ant1_High_5230



11AC20SISO_Ant1_Low_5180



11AC20SISO_Ant1_High_5240

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11AC40SISO_Ant1_Low_5190



11AC40SISO_Ant1_High_5230



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11AC80SISO_Ant1_Low_5210



11AC80SISO_Ant1_High_5210



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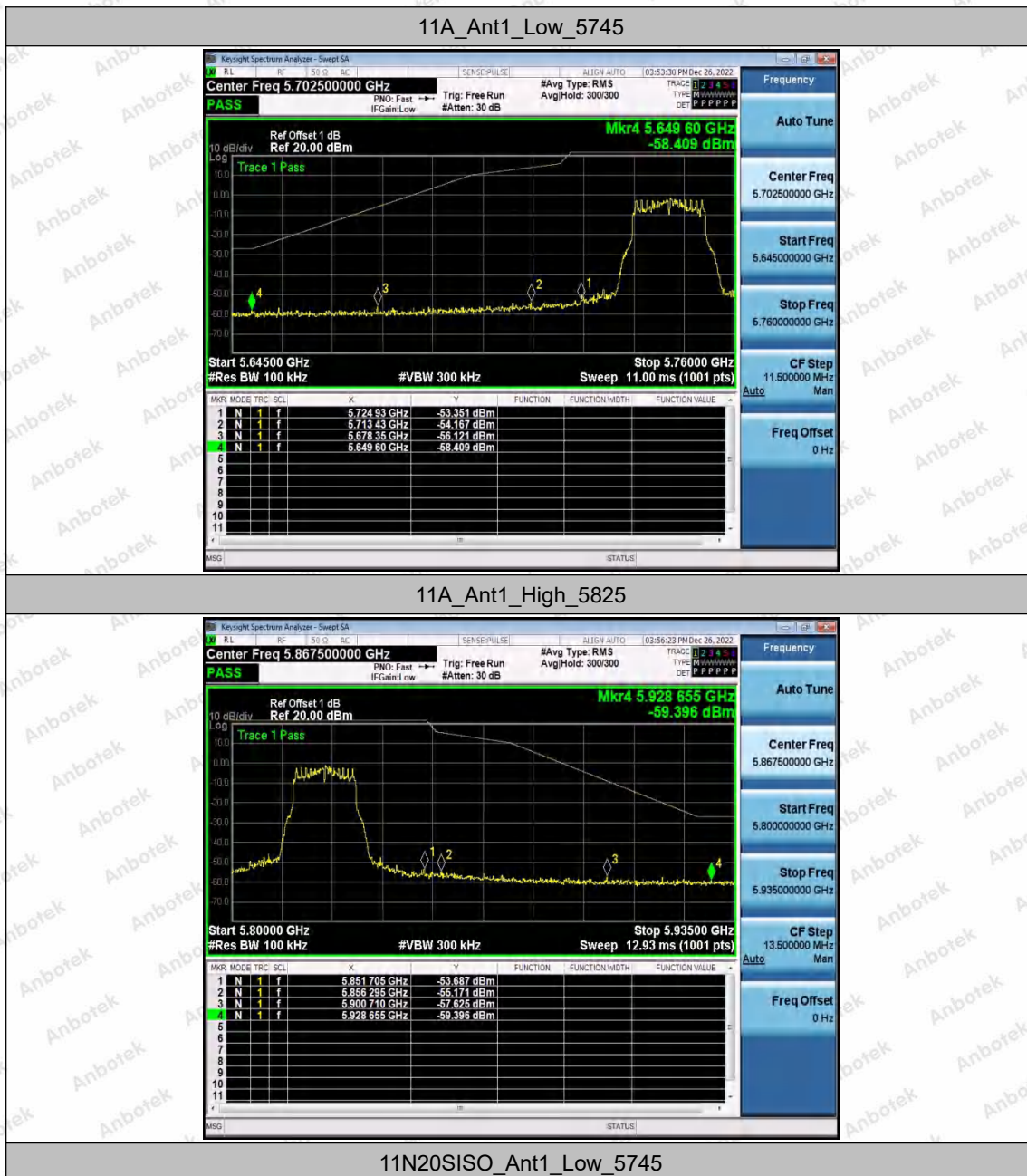
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community,
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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Test Graphs B4



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11N20ISO_Ant1_High_5825



11N40ISO_Ant1_Low_5755



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11N40SISO_Ant1_High_5795



11AC20SISO_Ant1_Low_5745



11AC20SISO_Ant1_High_5825

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11AC40SISO_Ant1_Low_5755



11AC40SISO_Ant1_High_5795



Shenzhen Anbotek Compliance Laboratory Limited

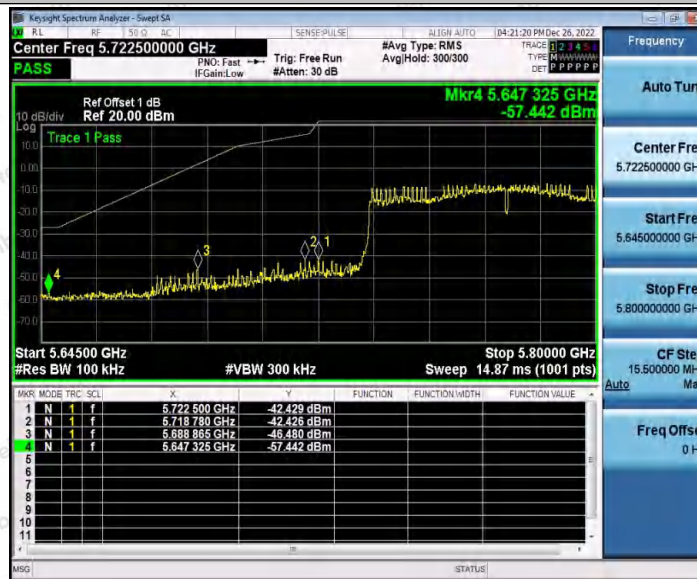
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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11AC80SISO_Ant1_Low_5775



11AC80SISO_Ant1_High_5775



---End---

