

Appendix Test Data

Report No:	18220WC30234702	Test Sample NO:	1-2-2
Start Test Date:	2024.01.04	Finish Test Date:	2024.01.08
Test Engineer:	Hayman Chen	Auditor:	Rock Luo
Temperature:	24.1℃	Relative Humidity:	42%
Pressure:	101kPa		

Appendix A1: Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	23.200	5168.280	5191.480	---	---
		5200	20.320	5189.760	5210.080	---	---
		5240	19.840	5230.000	5249.840	---	---
		5745	20.800	5734.600	5755.400	---	---
		5785	21.320	5774.320	5795.640	---	---
		5825	21.040	5814.520	5835.560	---	---
11N20SISO	Ant1	5180	21.480	5169.000	5190.480	---	---
		5200	20.480	5189.600	5210.080	---	---
		5240	20.280	5229.880	5250.160	---	---
		5745	21.160	5734.360	5755.520	---	---
		5785	21.640	5774.040	5795.680	---	---
		5825	21.120	5814.480	5835.600	---	---
11N40SISO	Ant1	5190	41.040	5169.360	5210.400	---	---
		5230	39.680	5210.000	5249.680	---	---
		5755	39.840	5735.000	5774.840	---	---
		5795	40.000	5774.840	5814.840	---	---
11AC20SISO	Ant1	5180	21.320	5169.360	5190.680	---	---
		5200	20.600	5189.760	5210.360	---	---
		5240	20.440	5229.800	5250.240	---	---
		5745	21.480	5734.200	5755.680	---	---
		5785	21.320	5774.200	5795.520	---	---
		5825	21.200	5814.280	5835.480	---	---
11AC40SISO	Ant1	5190	40.160	5169.920	5210.080	---	---

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		5230	40.880	5209.040	5249.920	---	---
		5755	39.920	5735.000	5774.920	---	---
		5795	39.840	5775.160	5815.000	---	---

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Test Graphs

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240

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11A_Ant1_5745



11A_Ant1_5785



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11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200





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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11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755



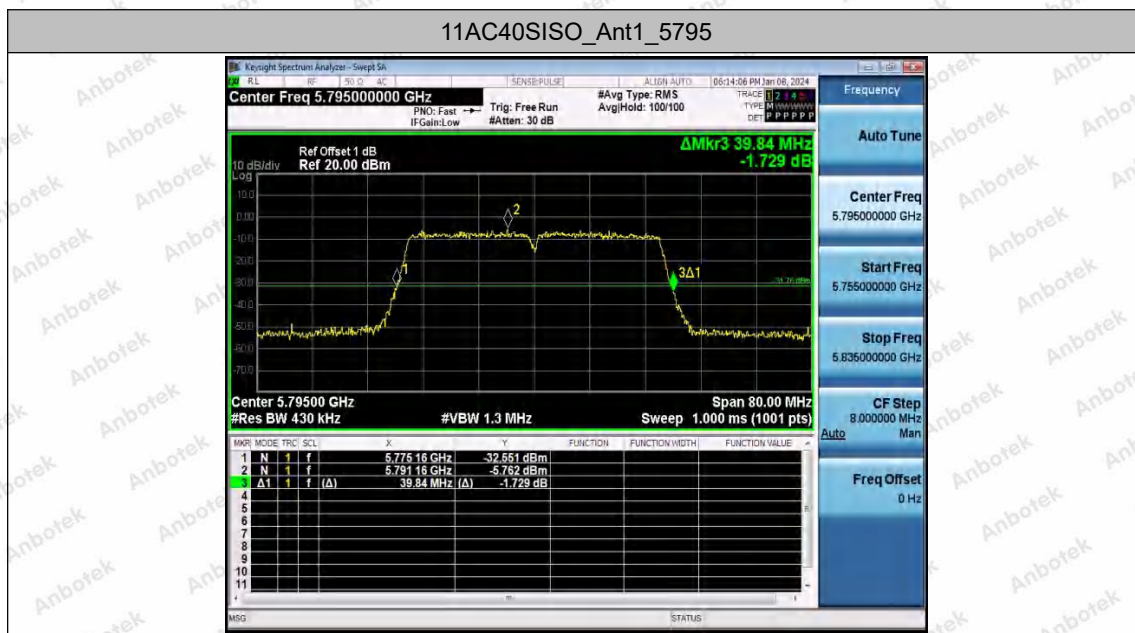
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Appendix A2: Occupied channel bandwidth

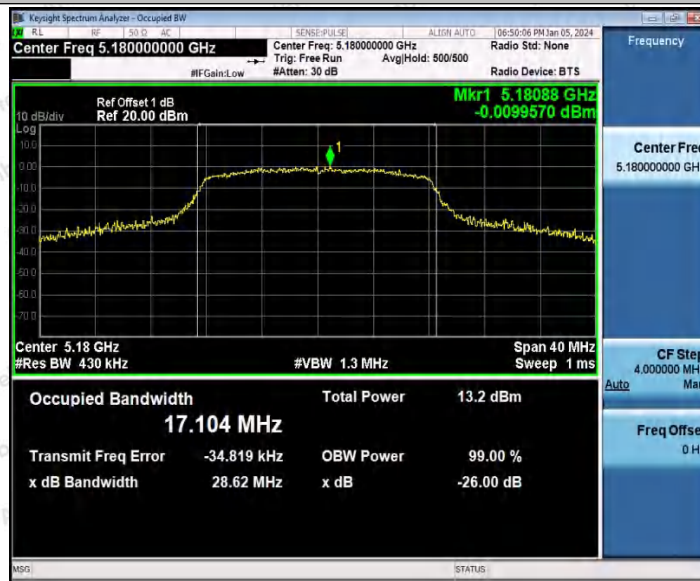
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.104	5171.4132	5188.5172	---	---
		5200	16.913	5191.5467	5208.4597	---	---
		5240	16.840	5231.5122	5248.3522	---	---
		5745	17.248	5736.3213	5753.5693	---	---
		5785	17.186	5776.3535	5793.5395	---	---
		5825	17.179	5816.3426	5833.5216	---	---
11N20SISO	Ant1	5180	18.086	5170.9496	5189.0356	---	---
		5200	17.896	5191.0535	5208.9495	---	---
		5240	17.797	5231.0609	5248.8579	---	---
		5745	18.251	5735.8203	5754.0713	---	---
		5785	18.275	5775.8250	5794.1000	---	---
		5825	18.200	5815.8483	5834.0483	---	---
11N40SISO	Ant1	5190	36.277	5171.8235	5208.1005	---	---
		5230	36.104	5211.8540	5247.9580	---	---
		5755	36.710	5736.5944	5773.3044	---	---
		5795	36.506	5776.6950	5813.2010	---	---
11AC20SISO	Ant1	5180	17.938	5171.0416	5188.9796	---	---
		5200	17.825	5191.0635	5208.8885	---	---
		5240	17.781	5231.0635	5248.8445	---	---
		5745	18.336	5735.7743	5754.1103	---	---
		5785	18.254	5775.7943	5794.0483	---	---
		5825	18.245	5815.8223	5834.0673	---	---
11AC40SISO	Ant1	5190	36.228	5171.8599	5208.0879	---	---
		5230	36.133	5211.8544	5247.9874	---	---
		5755	36.658	5736.6259	5773.2839	---	---
		5795	36.558	5776.6671	5813.2251	---	---



Test Graphs

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240

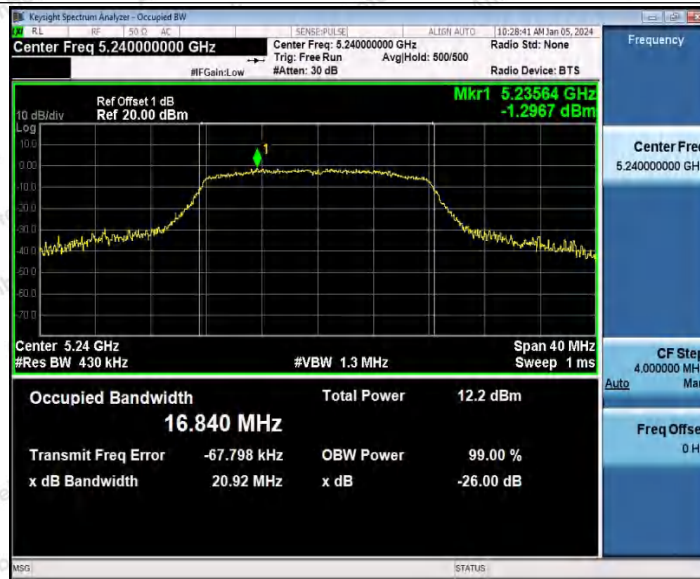
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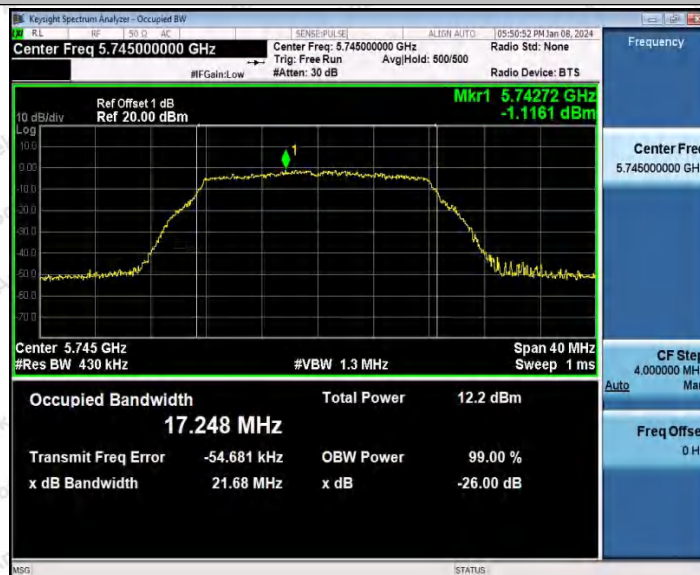


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11A_Ant1_5745



11A_Ant1_5785



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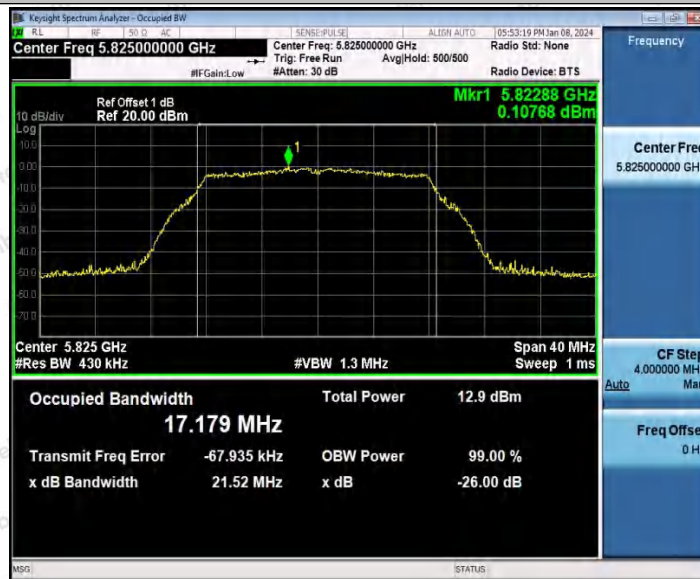
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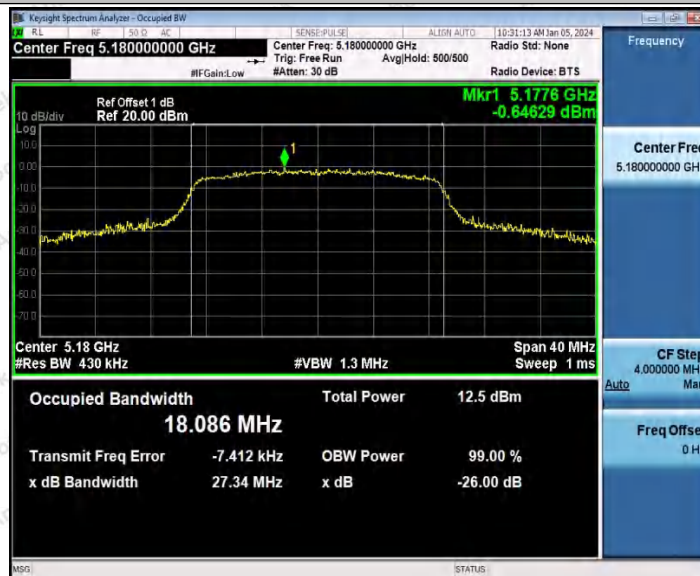
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11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200

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11N20SISO_Ant1_5240



11N20SISO_Ant1_5745



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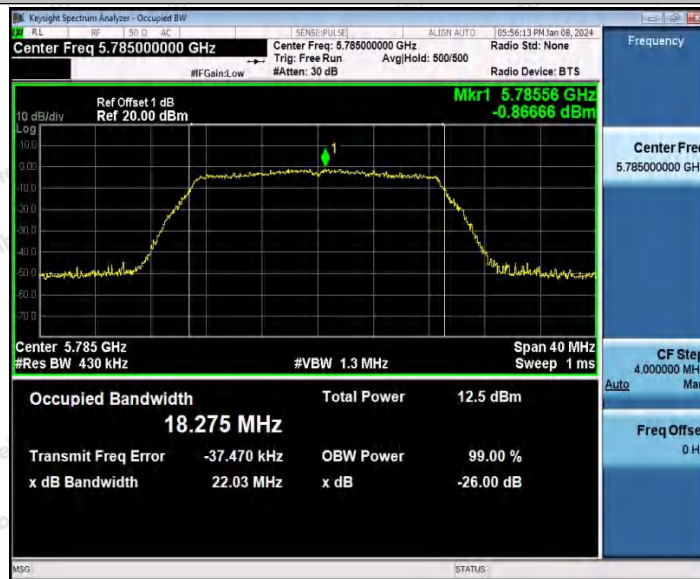
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11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5190

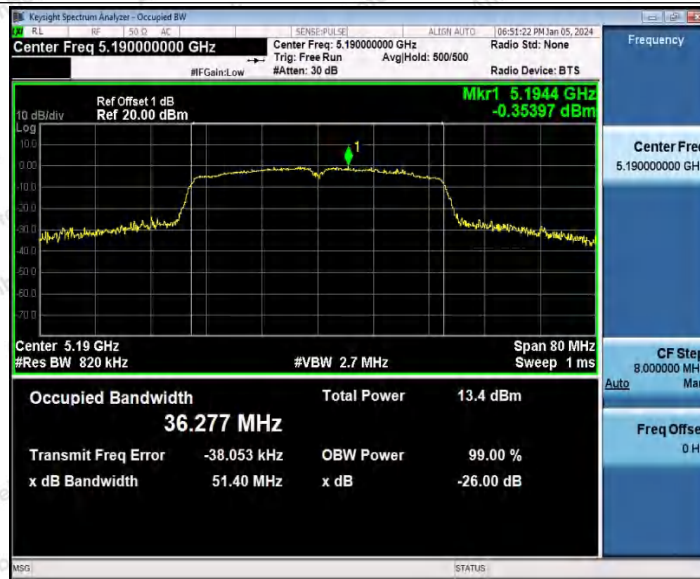
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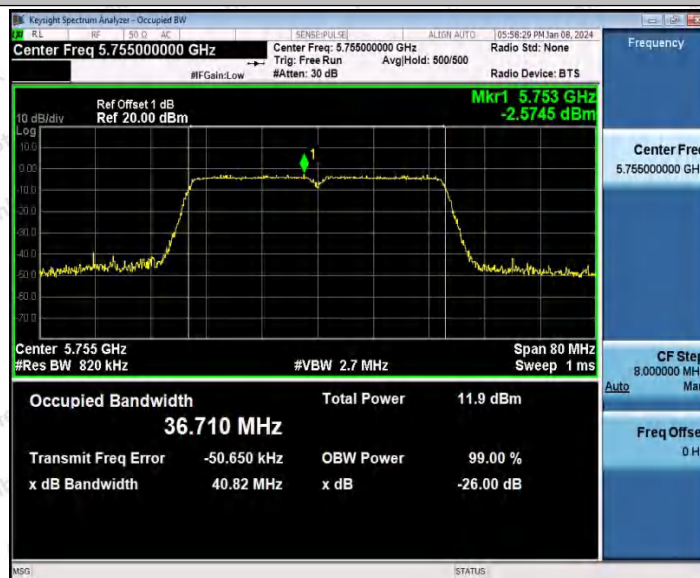




11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



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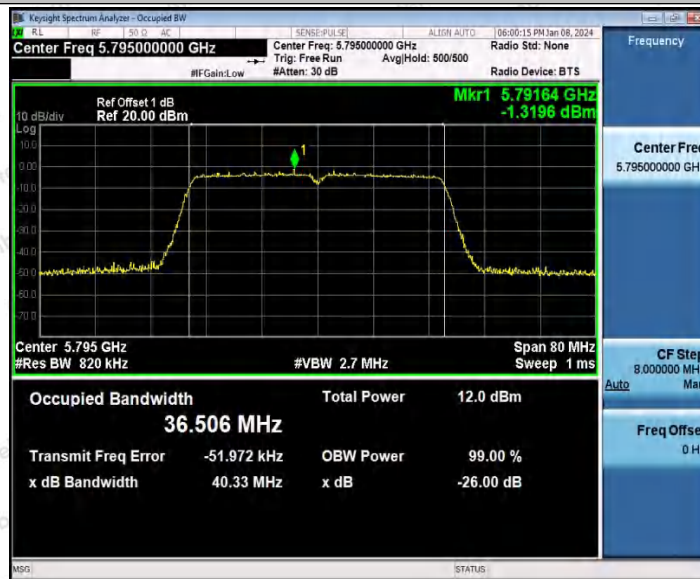
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11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200

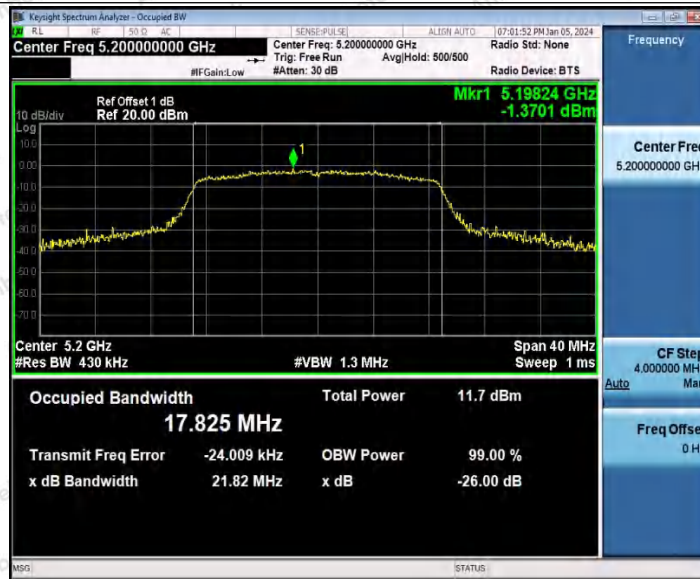
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11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5745



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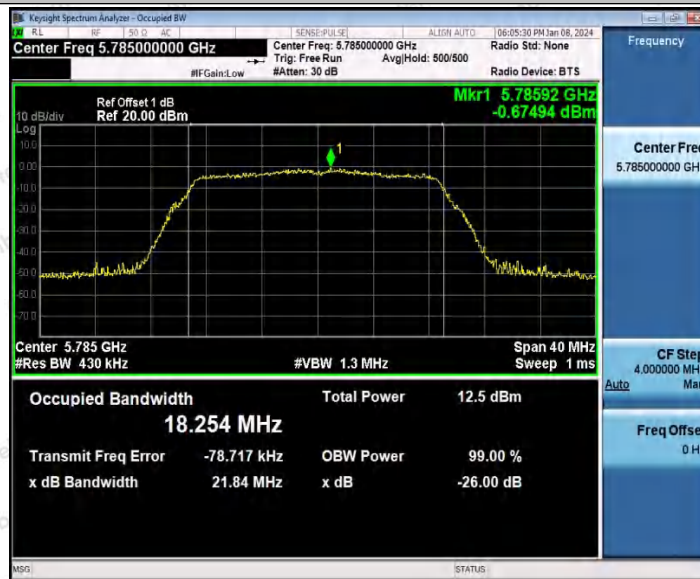
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11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5190

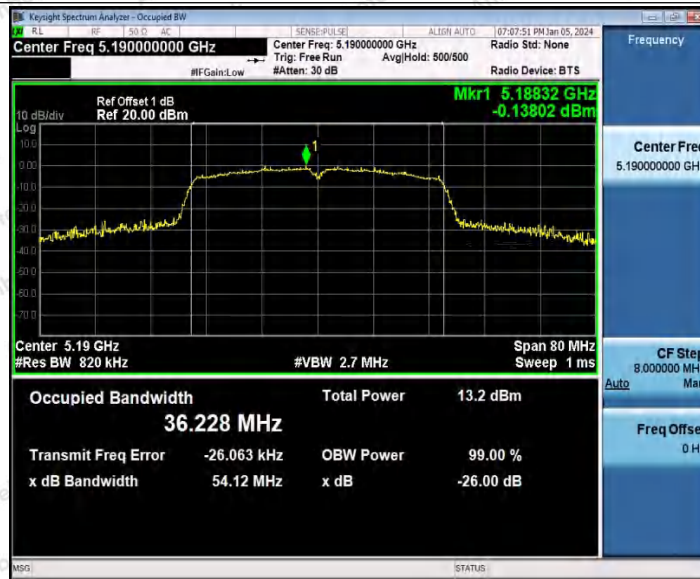
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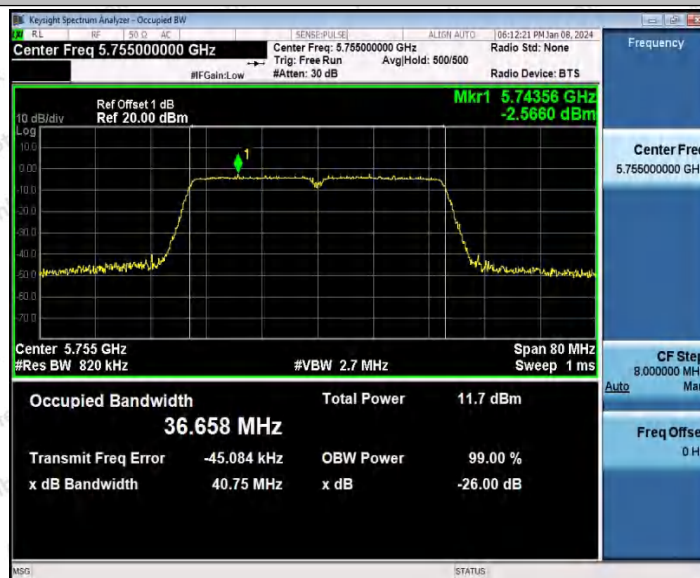




11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755



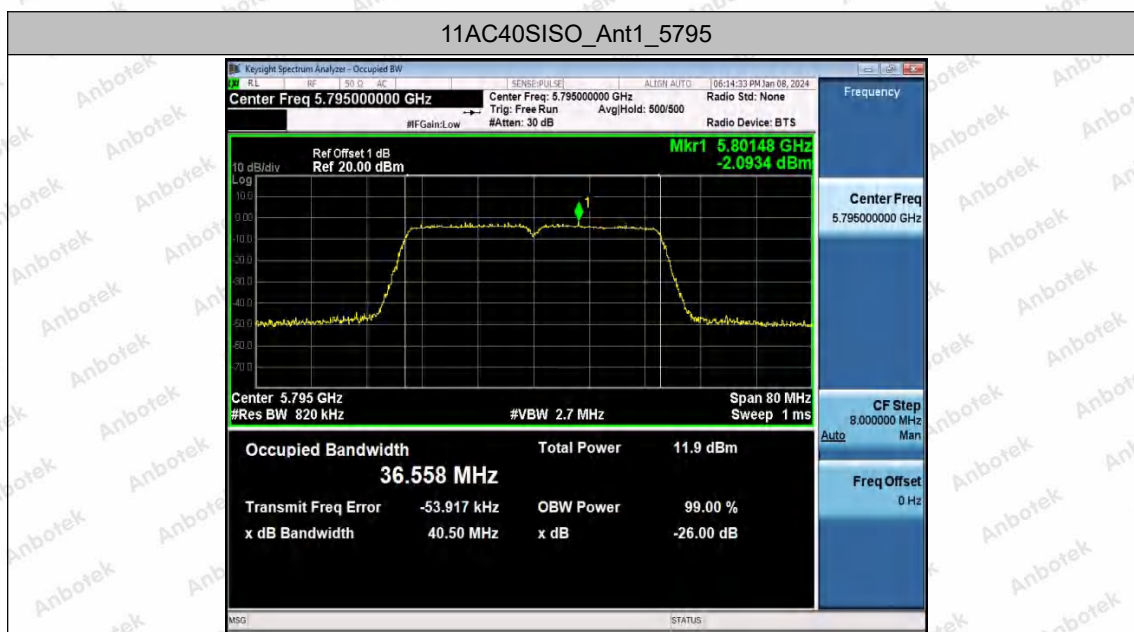
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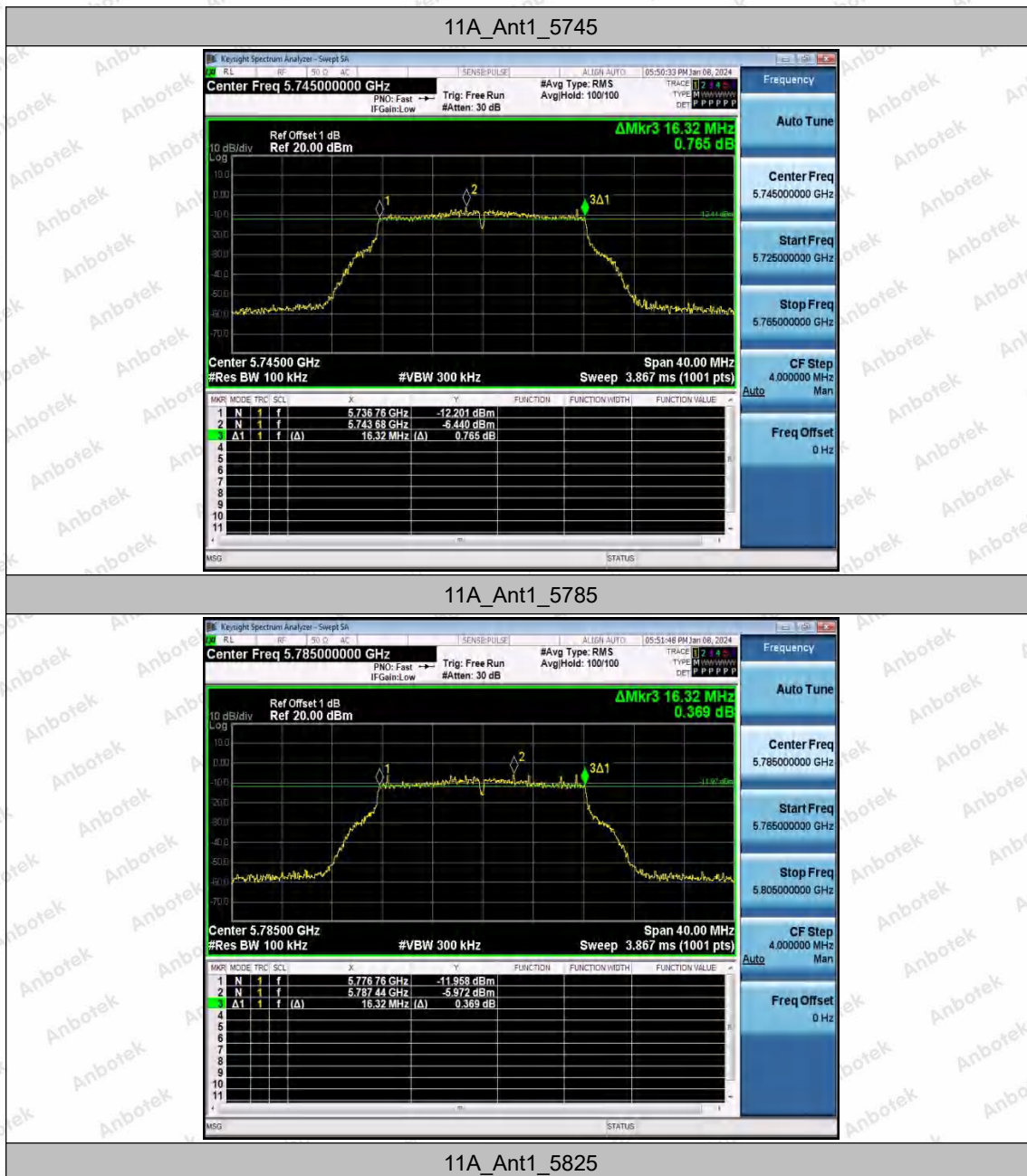
Appendix A3: Min emission bandwidth

Test Result B4

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.320	5736.760	5753.080	0.5	PASS
		5785	16.320	5776.760	5793.080	0.5	PASS
		5825	16.280	5816.800	5833.080	0.5	PASS
11N20SISO	Ant1	5745	17.520	5736.160	5753.680	0.5	PASS
		5785	17.520	5776.160	5793.680	0.5	PASS
		5825	17.520	5816.160	5833.680	0.5	PASS
11N40SISO	Ant1	5755	36.320	5736.760	5773.080	0.5	PASS
		5795	36.240	5776.760	5813.000	0.5	PASS
11AC20SISO	Ant1	5745	17.520	5736.160	5753.680	0.5	PASS
		5785	17.560	5776.160	5793.720	0.5	PASS
		5825	17.160	5816.160	5833.320	0.5	PASS
11AC40SISO	Ant1	5755	36.320	5736.760	5773.080	0.5	PASS
		5795	36.080	5776.760	5812.840	0.5	PASS



Test Graphs B4



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11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



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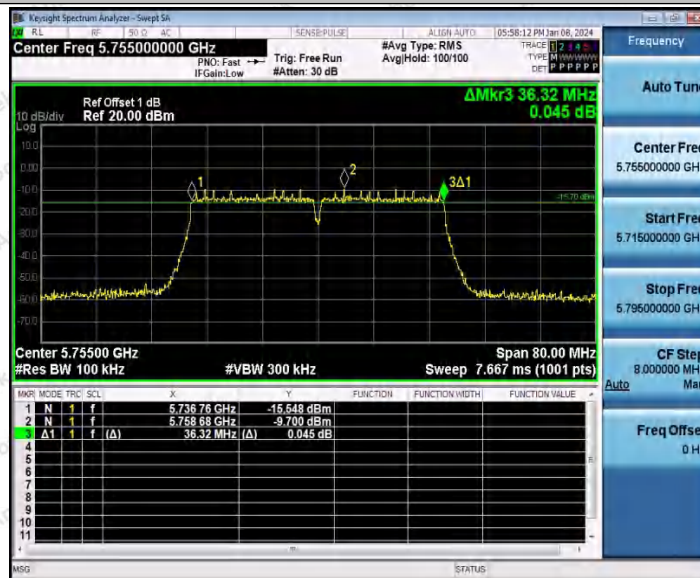
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11N40SISO_Ant1_5755



11N40SISO_Ant1_5795

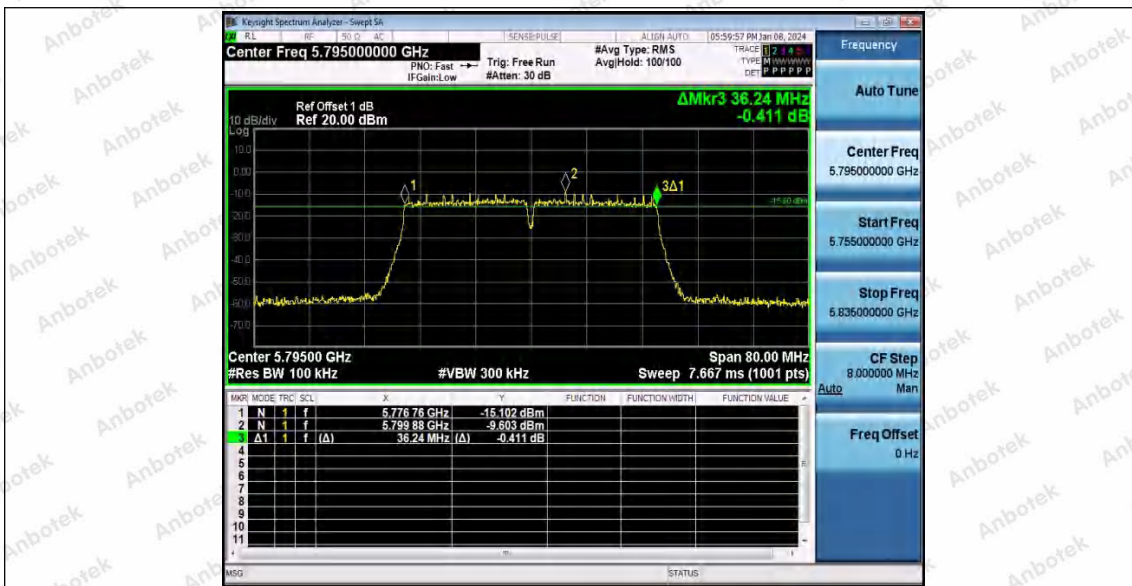
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11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



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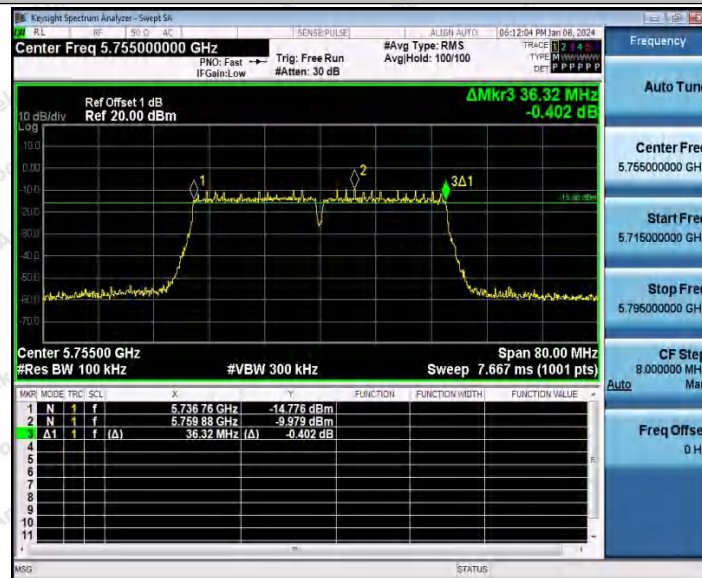
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11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795

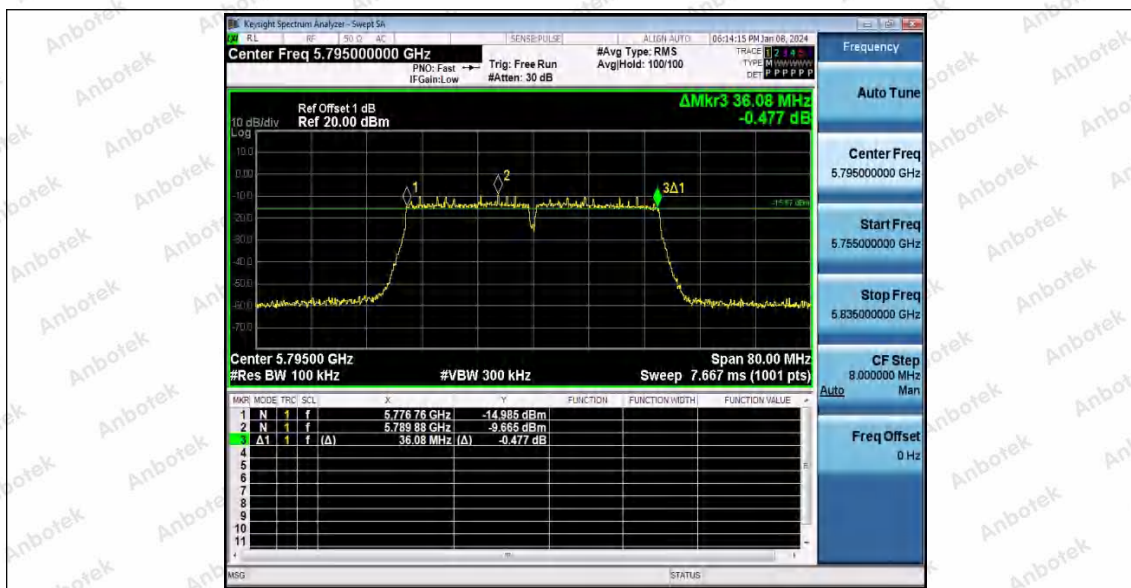
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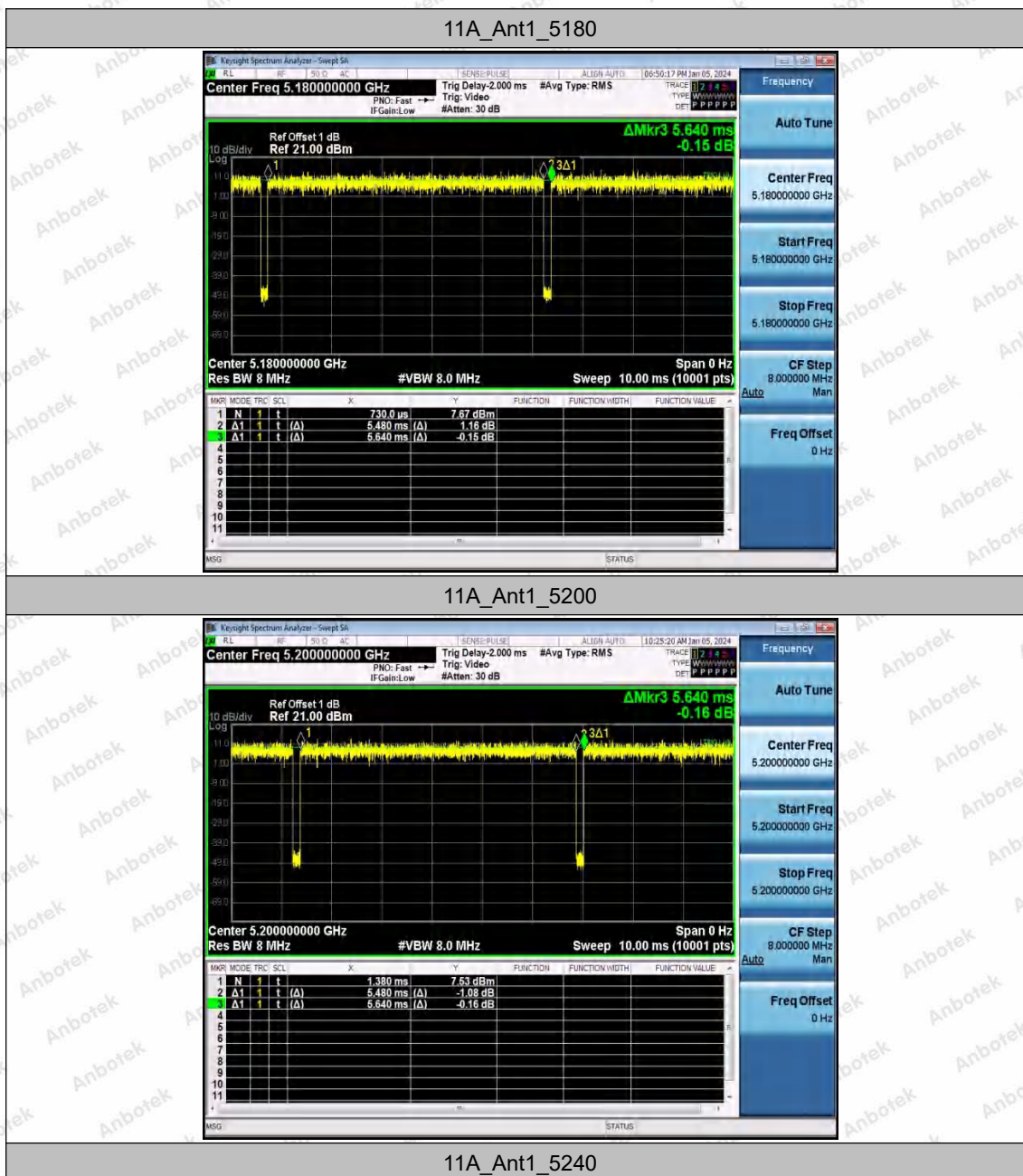
Appendix B: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	5.48	5.64	97.16
		5200	5.48	5.64	97.16
		5240	5.49	5.64	97.34
		5745	5.48	5.64	97.16
		5785	5.49	5.64	97.34
		5825	5.49	5.64	97.34
11N20SISO	Ant1	5180	5.38	5.52	97.46
		5200	5.37	5.52	97.28
		5240	5.37	5.52	97.28
		5745	5.37	5.52	97.28
		5785	5.37	5.53	97.11
		5825	5.37	5.52	97.28
11N40SISO	Ant1	5190	3.02	3.18	94.97
		5230	3.02	3.17	95.27
		5755	3.02	3.17	95.27
		5795	3.02	3.17	95.27
11AC20SISO	Ant1	5180	5.38	5.53	97.29
		5200	5.38	5.53	97.29
		5240	5.38	5.52	97.46
		5745	5.38	5.54	97.11
		5785	5.38	5.53	97.29
		5825	5.38	5.53	97.29
11AC40SISO	Ant1	5190	5.16	5.31	97.18
		5230	5.16	5.30	97.36
		5755	5.16	5.30	97.36
		5795	5.16	5.30	97.36



Test Graphs



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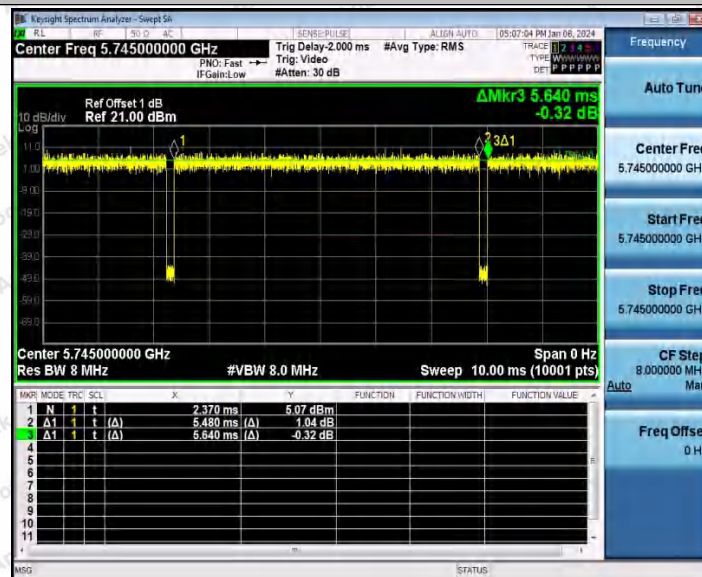


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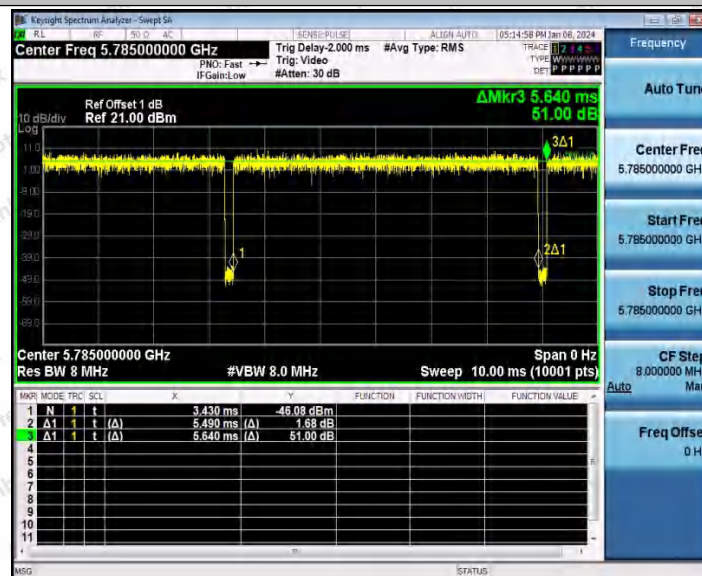




11A_Ant1_5745



11A_Ant1_5785



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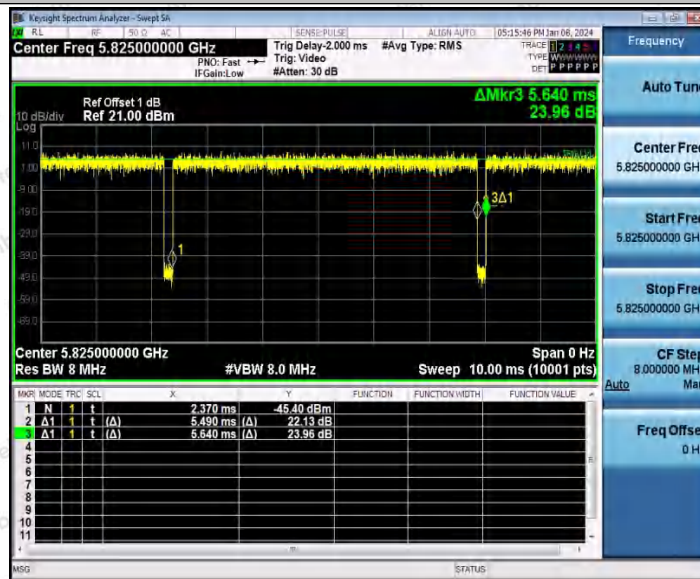
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200

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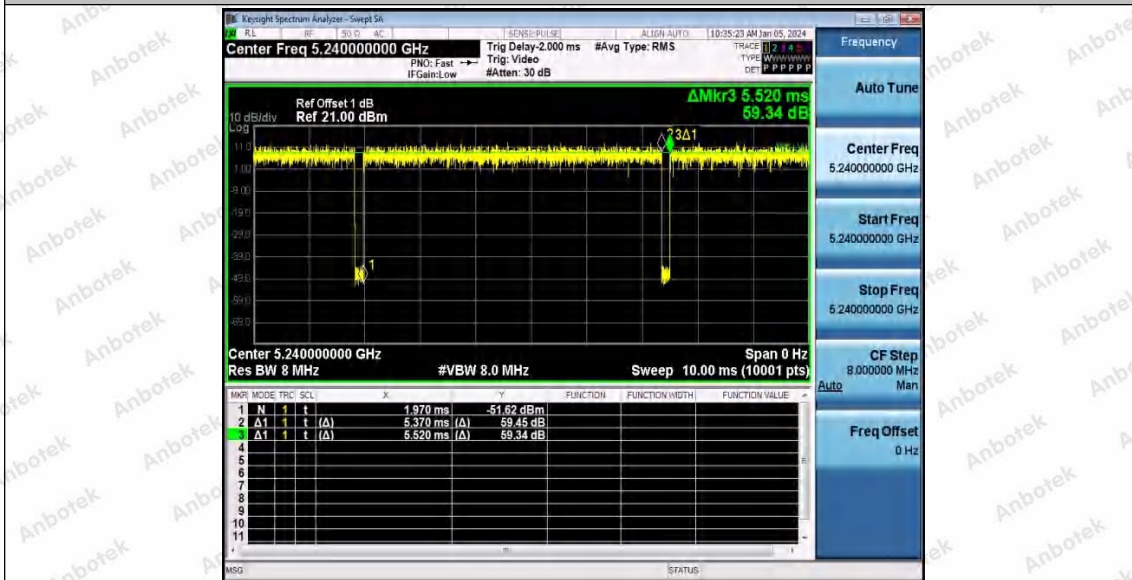


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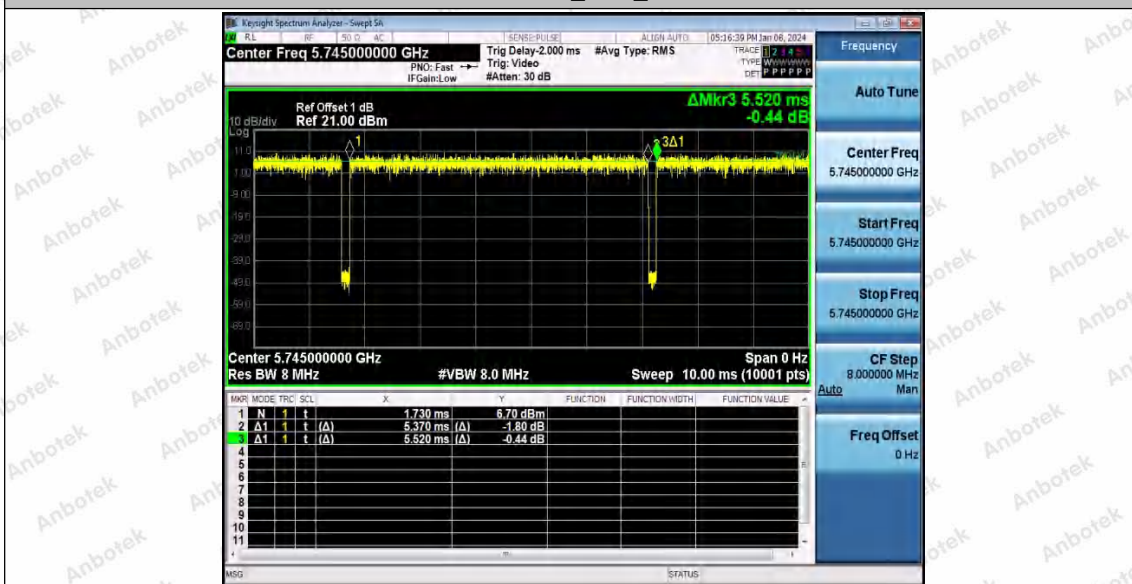




11N20SISO_Ant1_5240



11N20SISO_Ant1_5745



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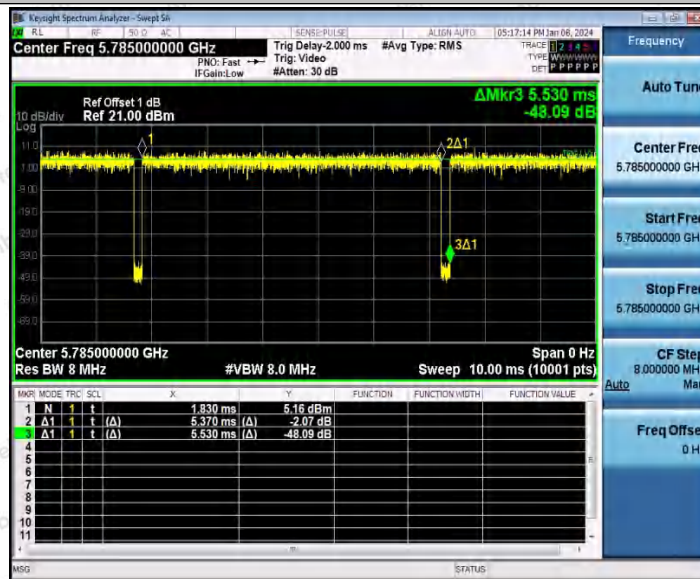
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



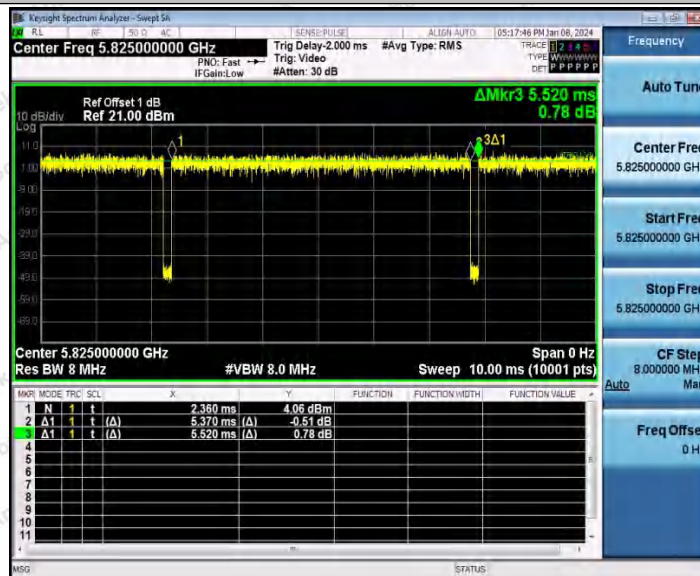
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11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5190

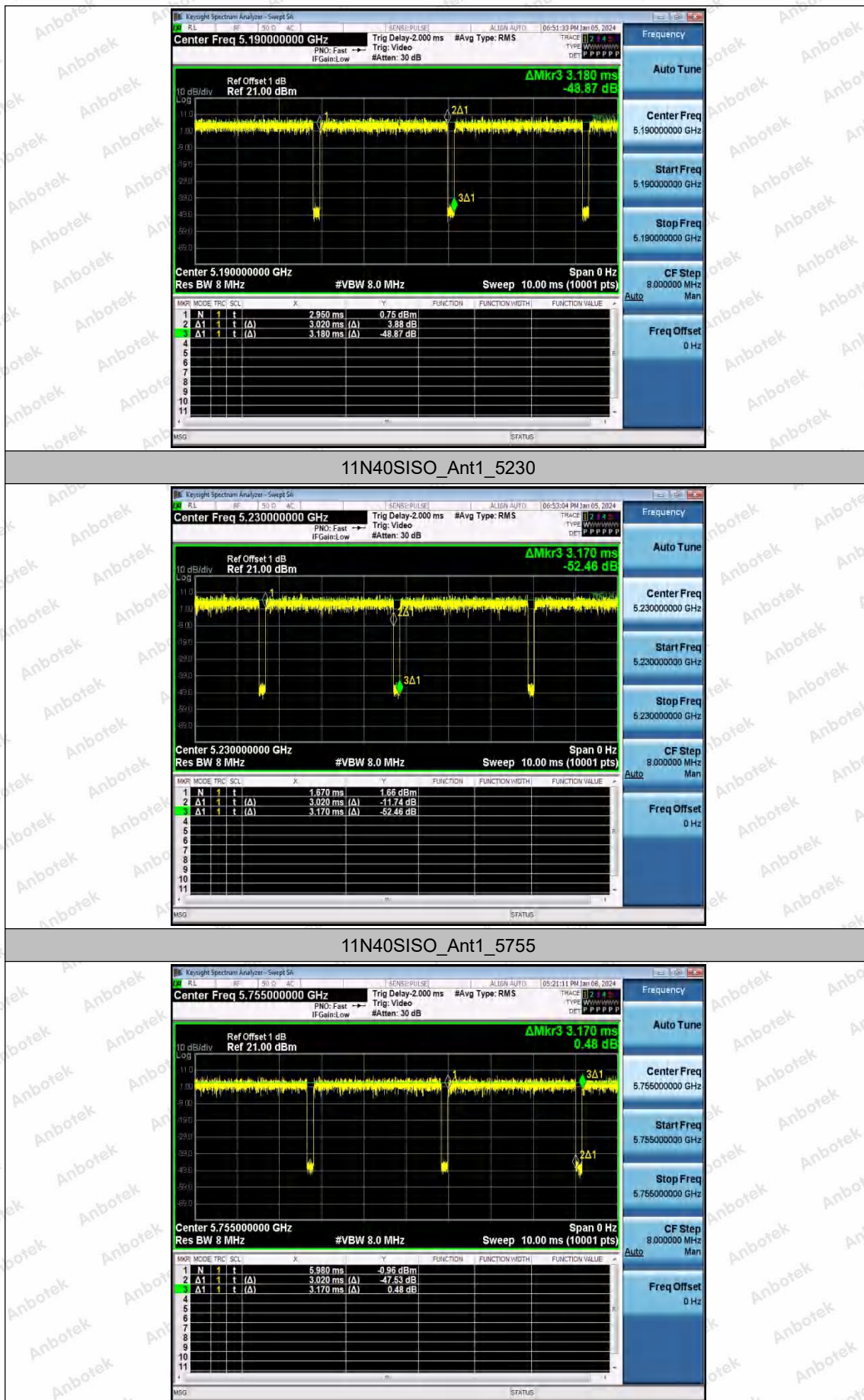
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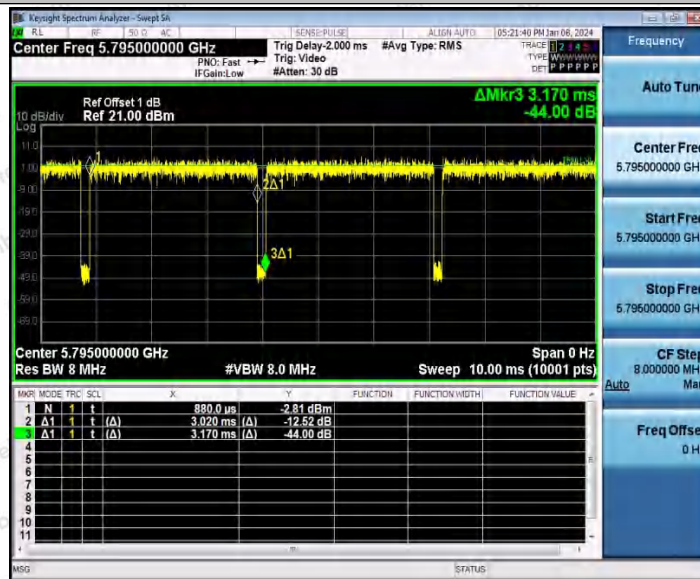
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Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



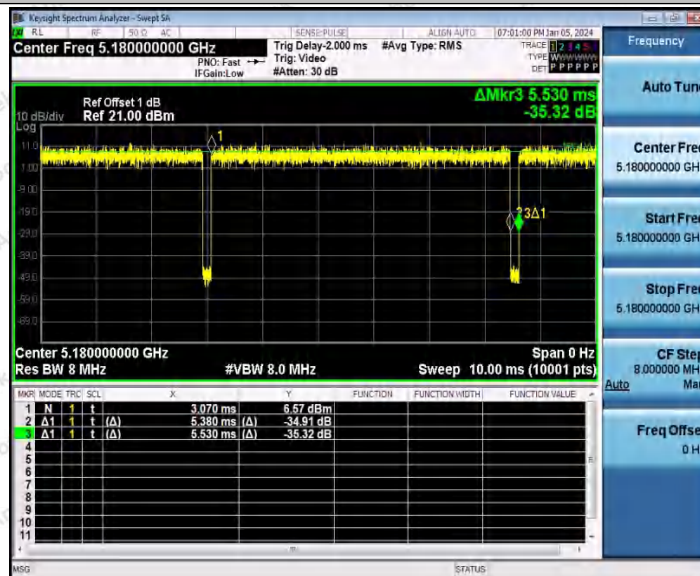
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11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200

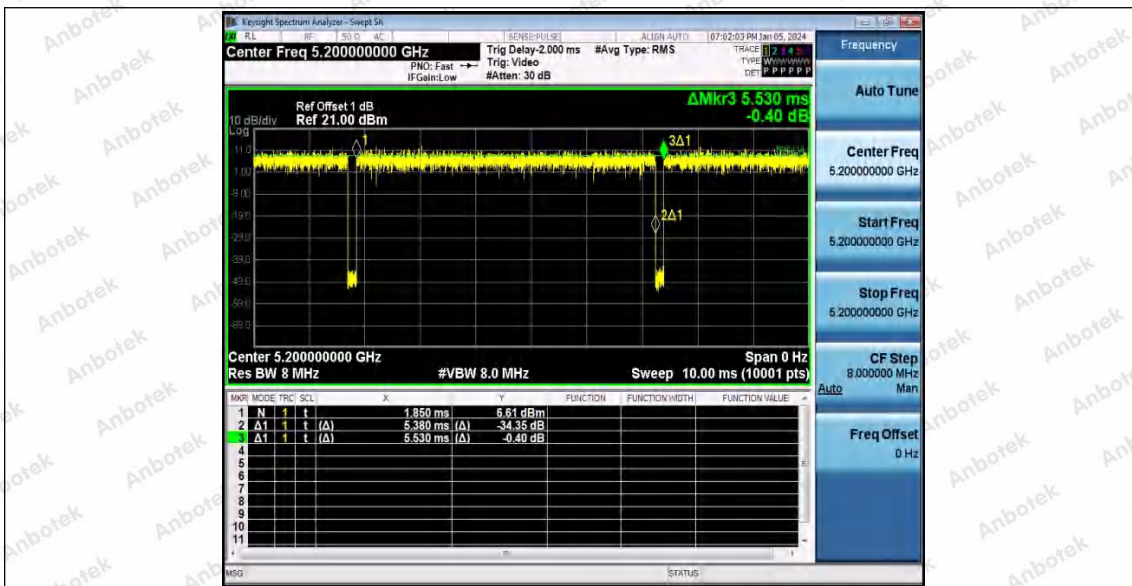
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Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

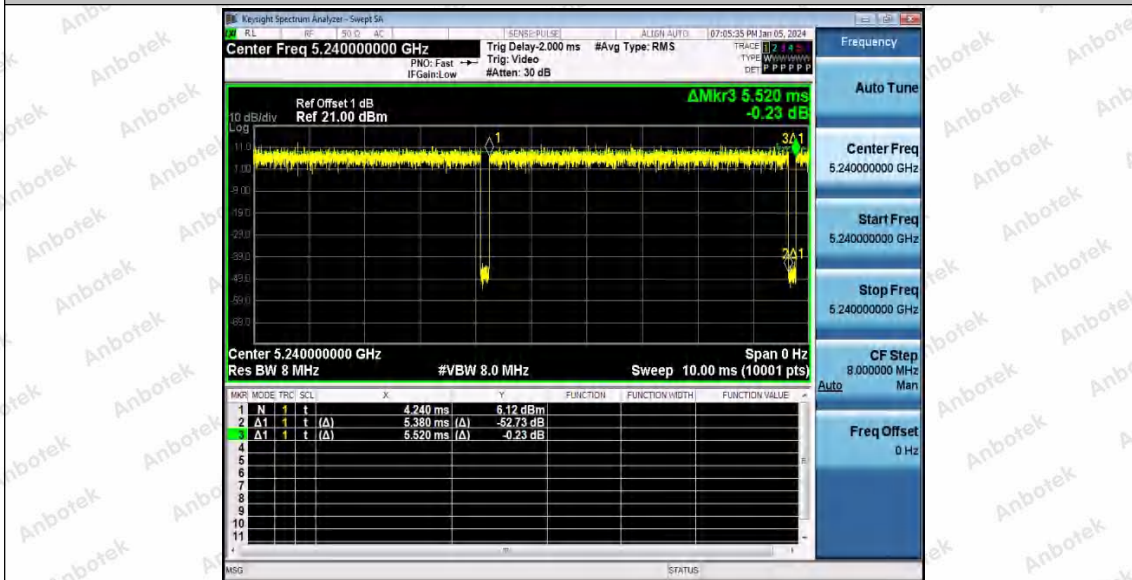


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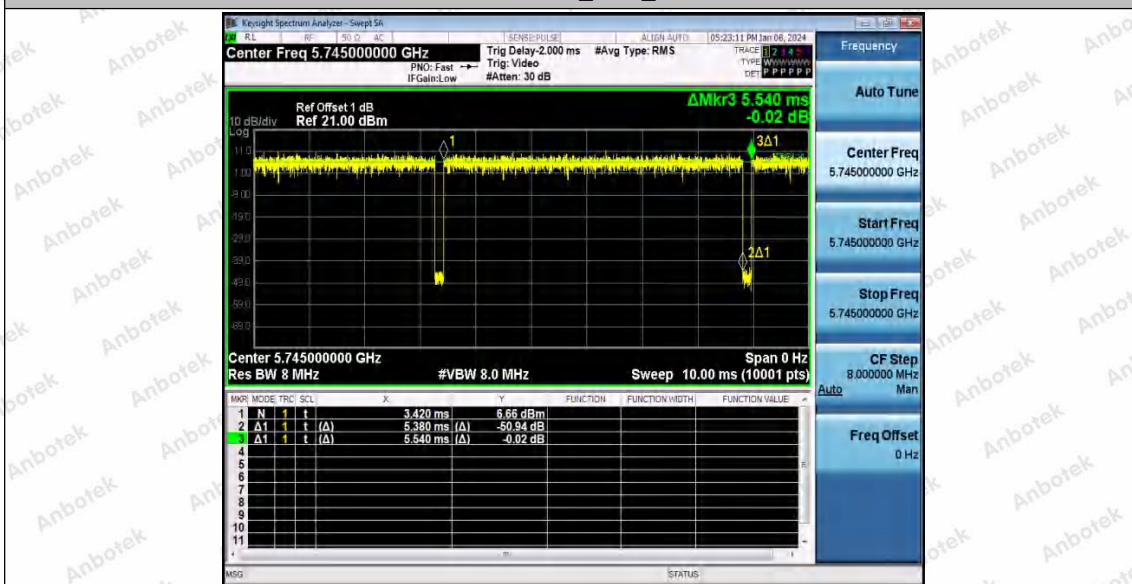




11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5745



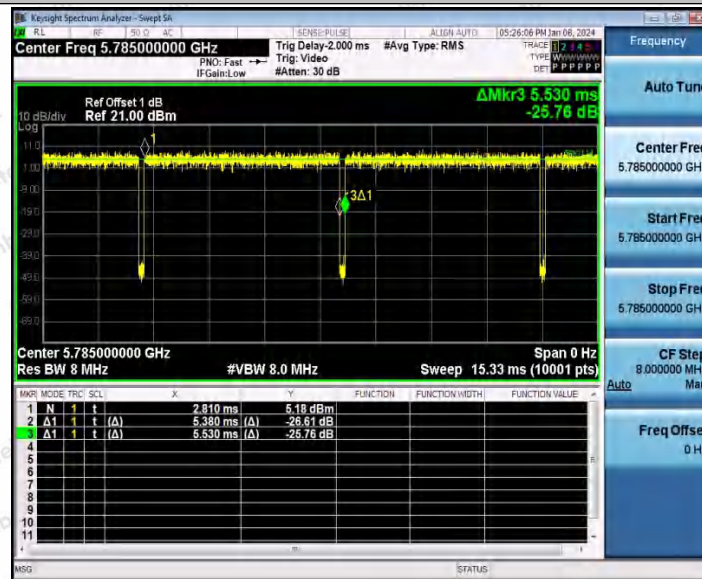
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Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

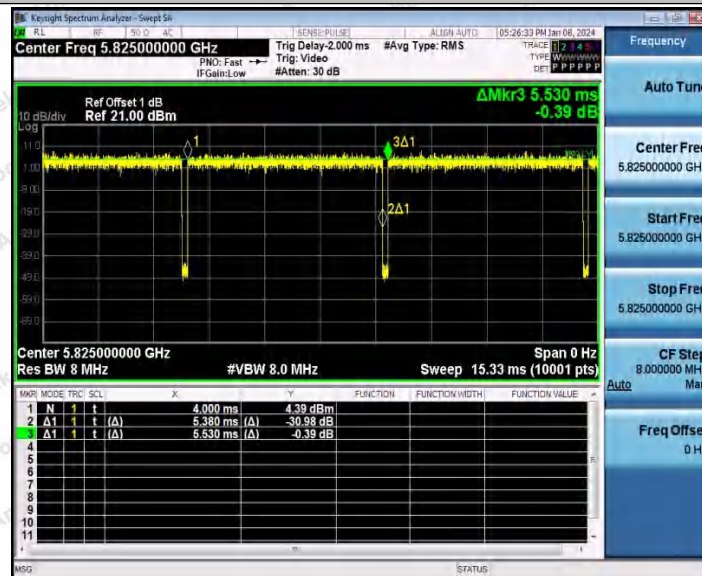
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11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5190

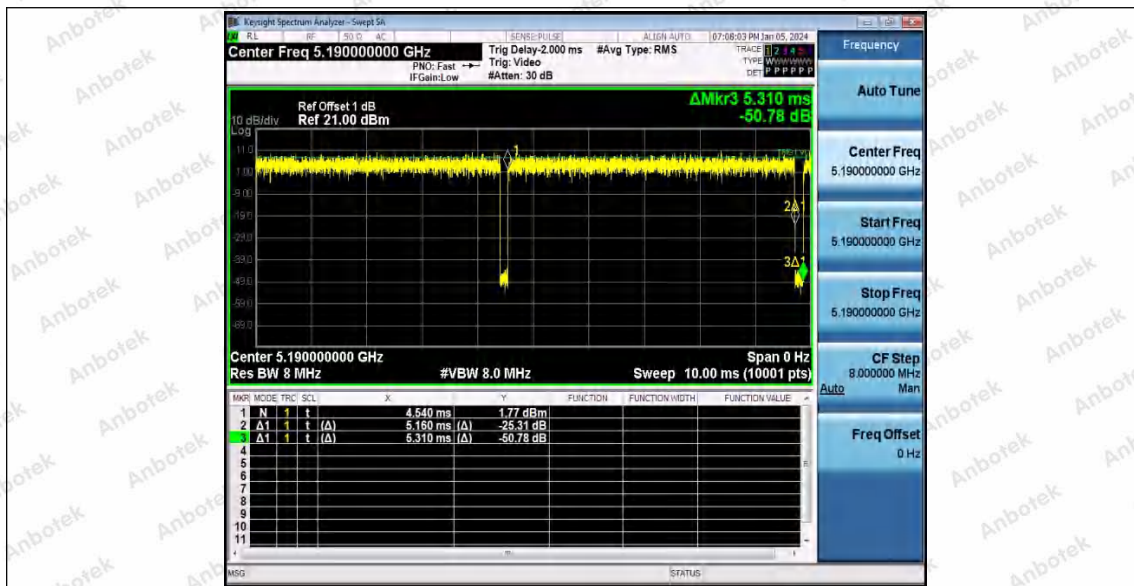
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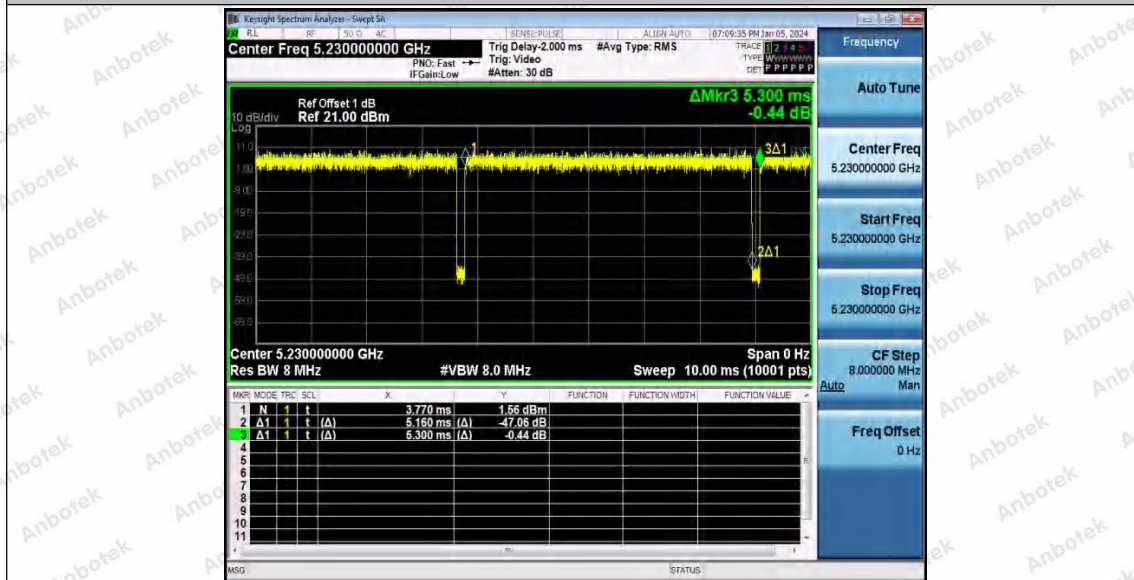


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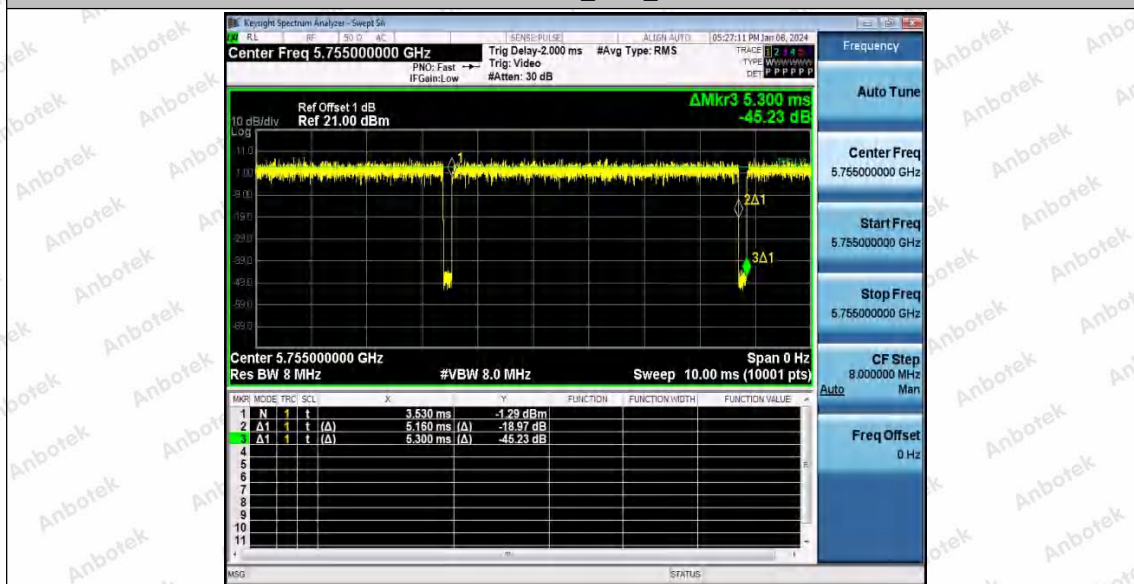




11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755



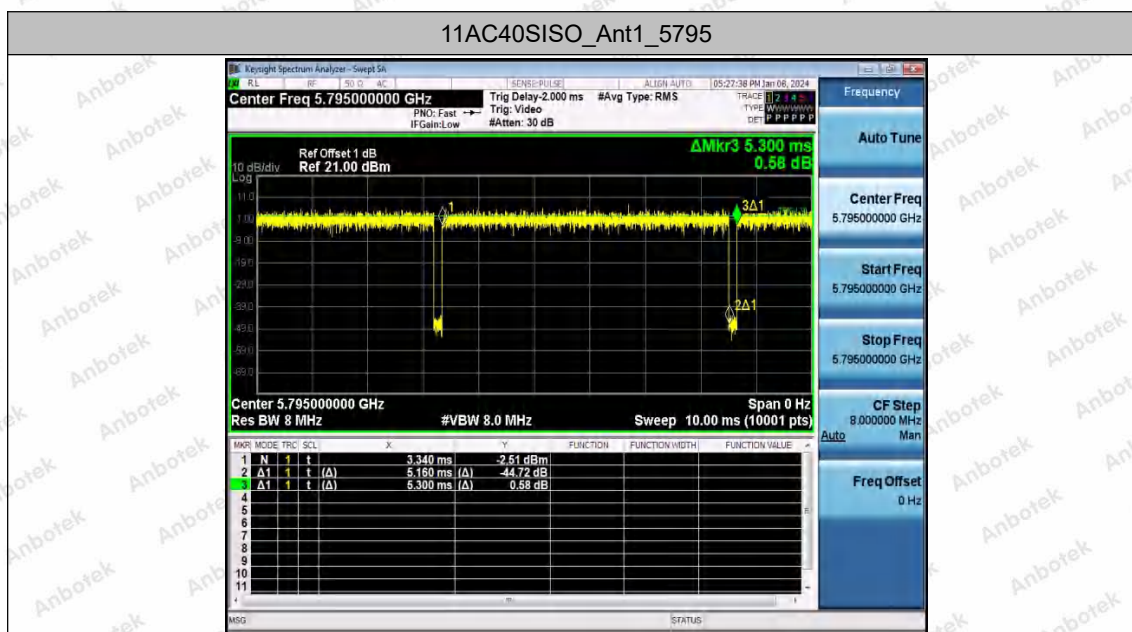
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Appendix C: Maximum conducted output power

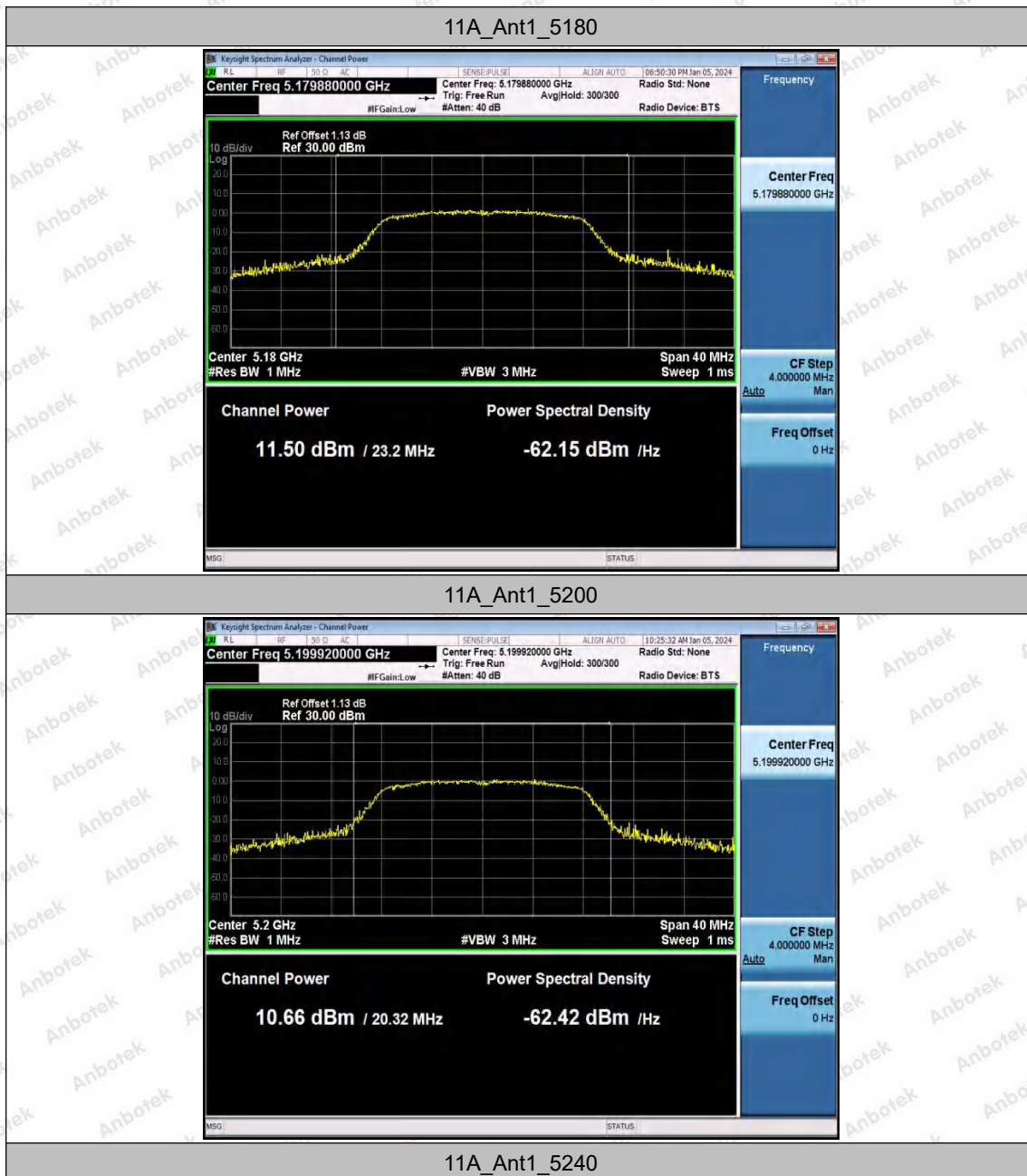
Test Result Channel Power

Test Mode	Antenna	Frequency [MHz]	Set Power	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]
11A	Ant1	5180	---	11.37	97.16	0.13	11.50	≤23.98
		5200	---	10.53	97.16	0.13	10.66	≤23.98
		5240	---	10.30	97.34	0.12	10.42	≤23.98
		5745	---	10.28	97.16	0.13	10.41	≤30.00
		5785	---	10.57	97.34	0.12	10.69	≤30.00
		5825	---	11.14	97.34	0.12	11.26	≤30.00
11N20 SISO	Ant1	5180	---	10.66	97.46	0.11	10.77	≤23.98
		5200	---	10.52	97.28	0.12	10.64	≤23.98
		5240	---	10.29	97.28	0.12	10.41	≤23.98
		5745	---	10.39	97.28	0.12	10.51	≤30.00
		5785	---	10.71	97.11	0.13	10.84	≤30.00
		5825	---	11.04	97.28	0.12	11.16	≤30.00
11N40 SISO	Ant1	5190	---	10.88	94.97	0.22	11.10	≤23.98
		5230	---	10.73	95.27	0.21	10.94	≤23.98
		5755	---	9.87	95.27	0.21	10.08	≤30.00
		5795	---	9.98	95.27	0.21	10.19	≤30.00
11AC2 0SISO	Ant1	5180	---	10.19	97.29	0.12	10.31	≤23.98
		5200	---	9.88	97.29	0.12	10.00	≤23.98
		5240	---	9.91	97.46	0.11	10.02	≤23.98
		5745	---	10.28	97.11	0.13	10.41	≤30.00
		5785	---	10.66	97.29	0.12	10.78	≤30.00
		5825	---	11.02	97.29	0.12	11.14	≤30.00
11AC4 0SISO	Ant1	5190	---	10.66	97.18	0.12	10.78	≤23.98
		5230	---	10.76	97.36	0.12	10.88	≤23.98
		5755	---	9.90	97.36	0.12	10.02	≤30.00
		5795	---	9.91	97.36	0.12	10.03	≤30.00

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



Test Graphs Channel Power



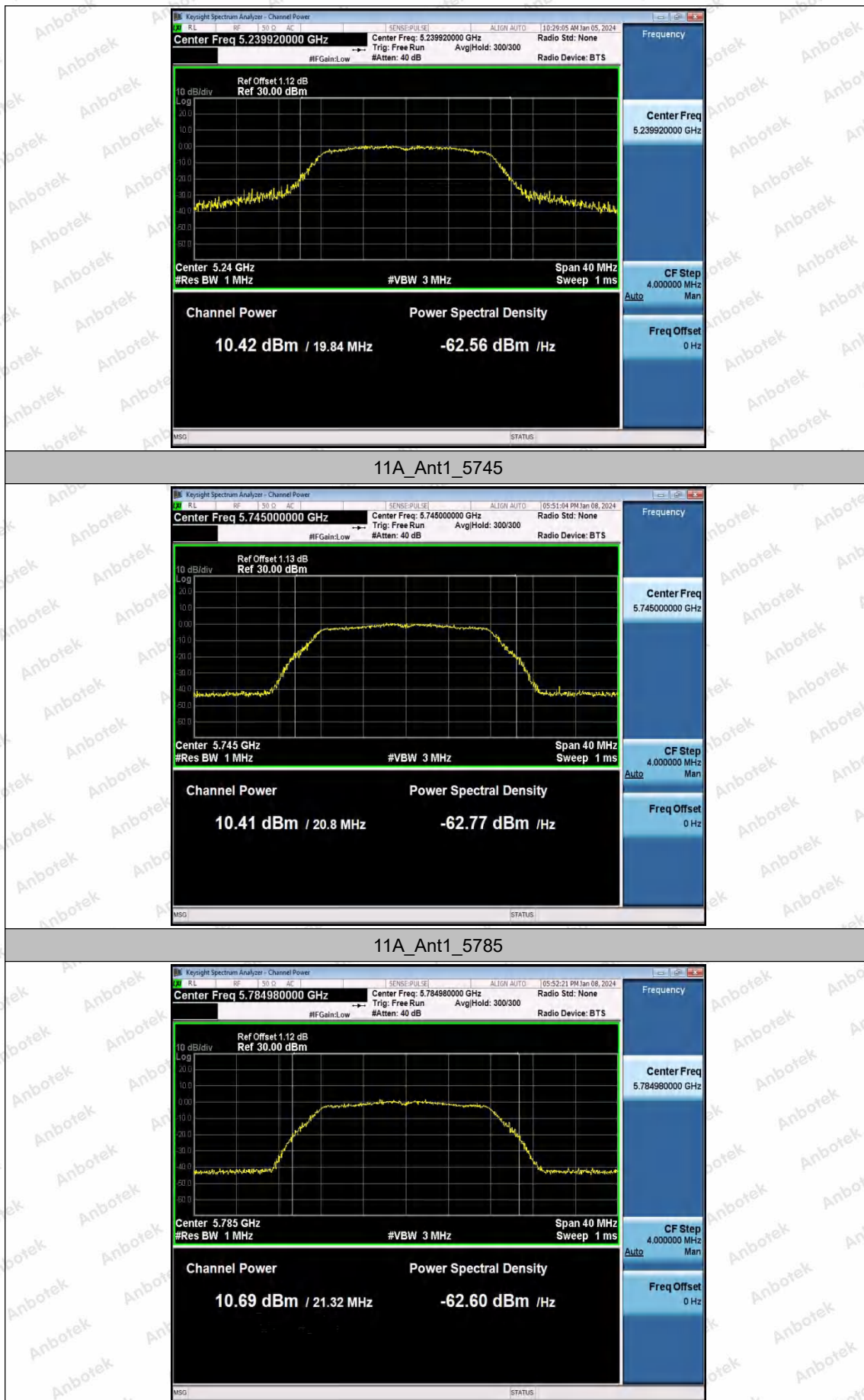
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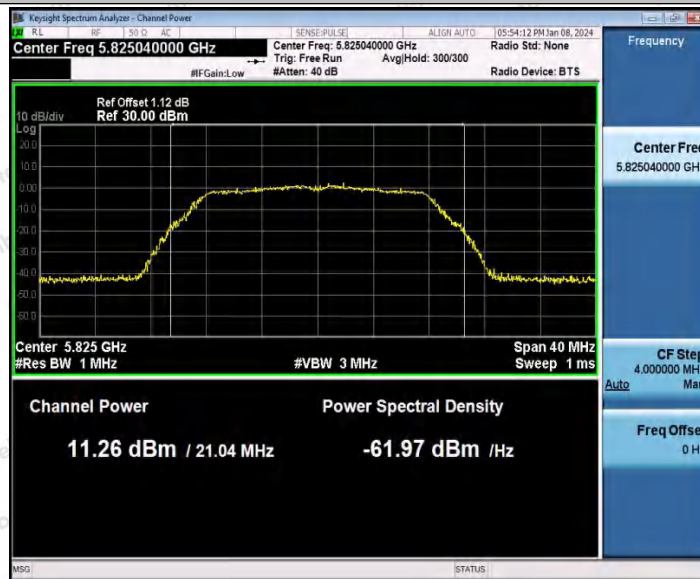
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11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200

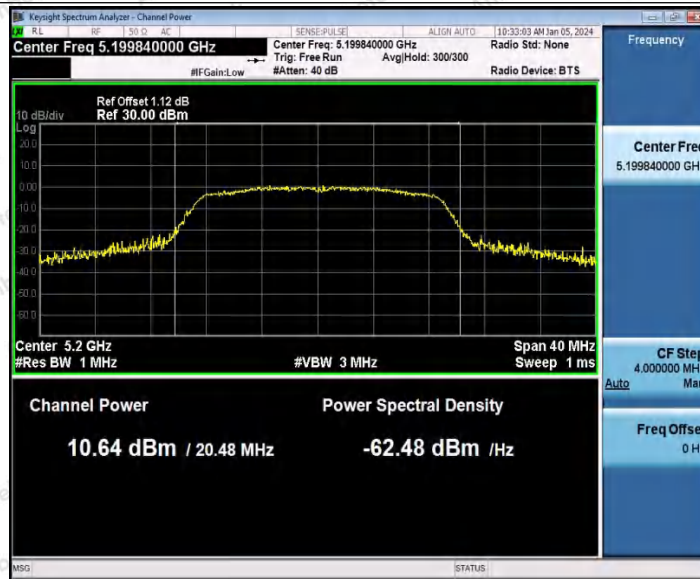
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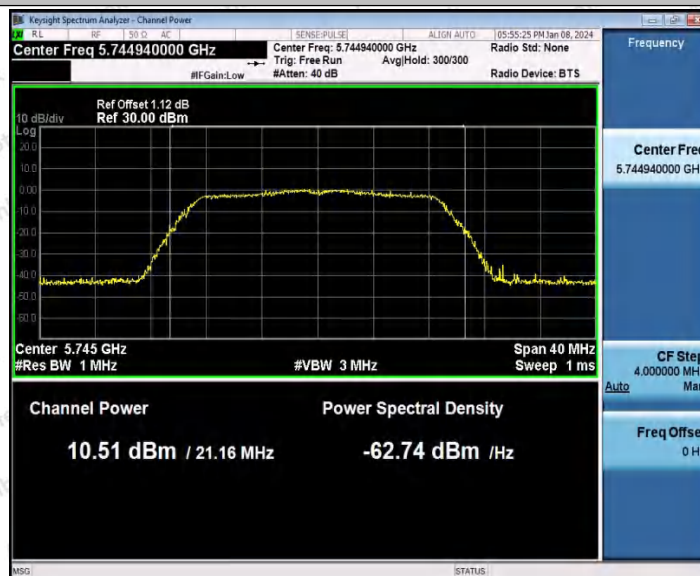




11N20SISO_Ant1_5240



11N20SISO_Ant1_5745

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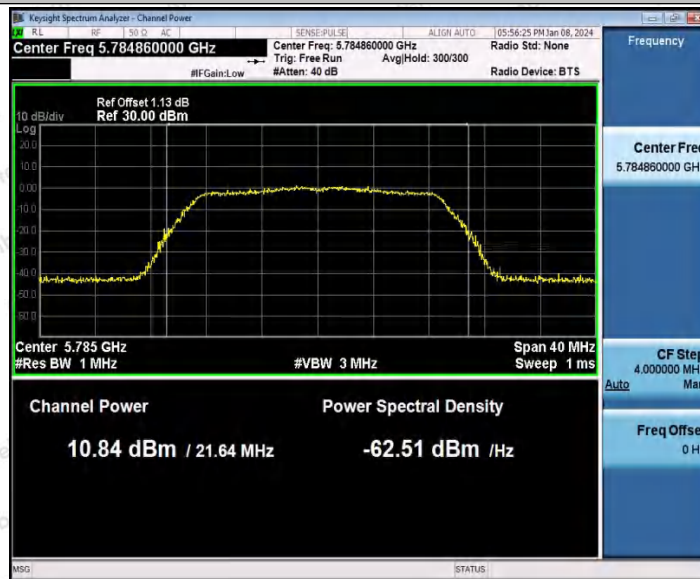
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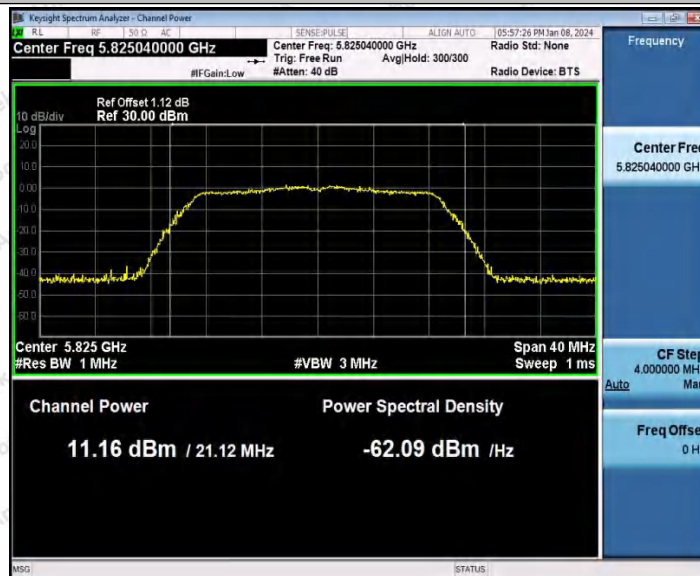
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11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5190

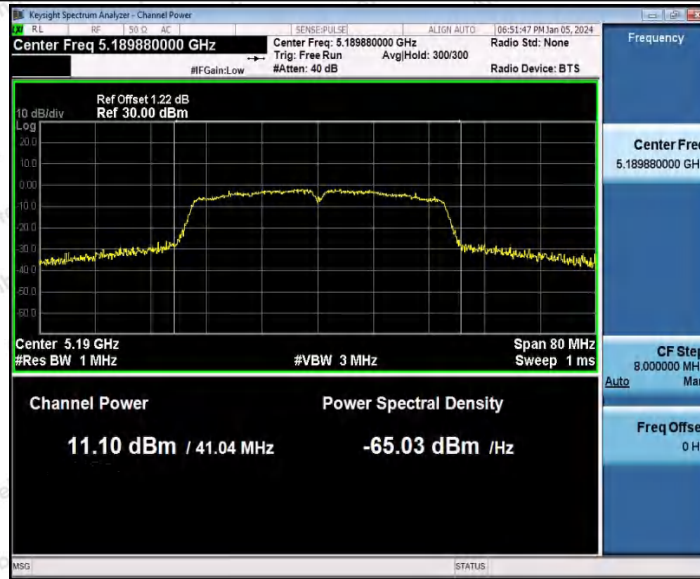
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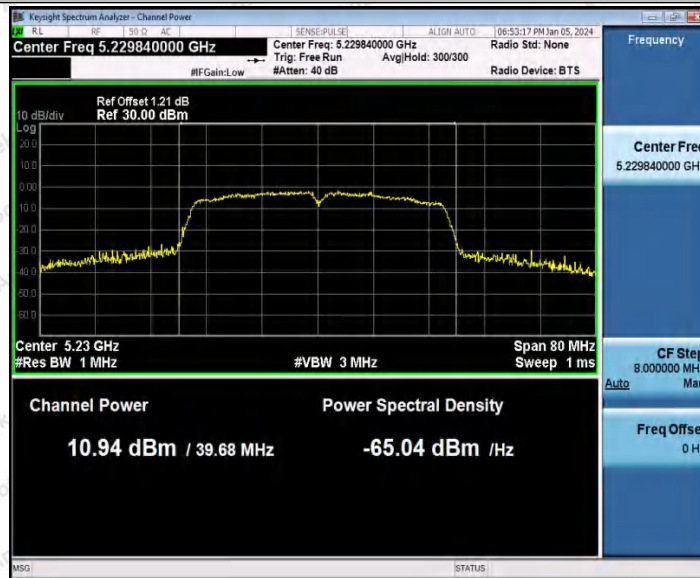


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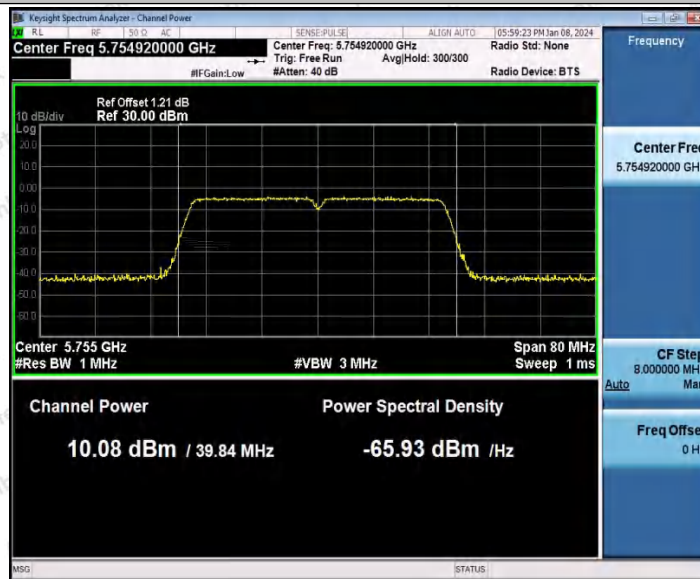




11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



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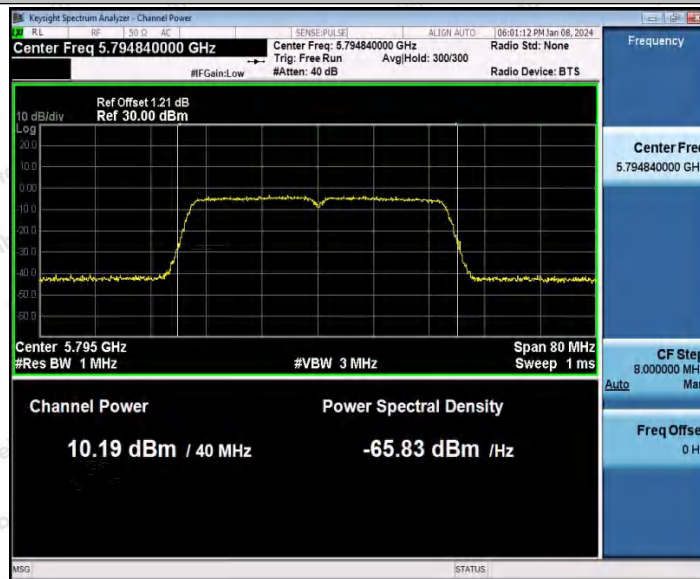
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200

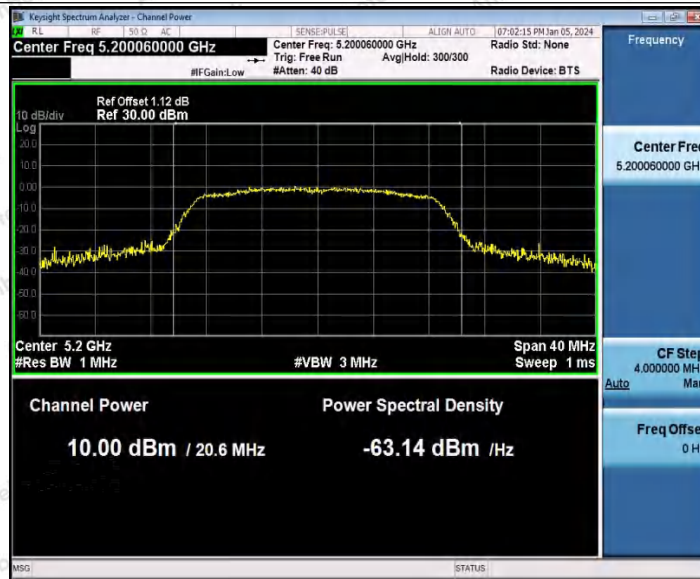
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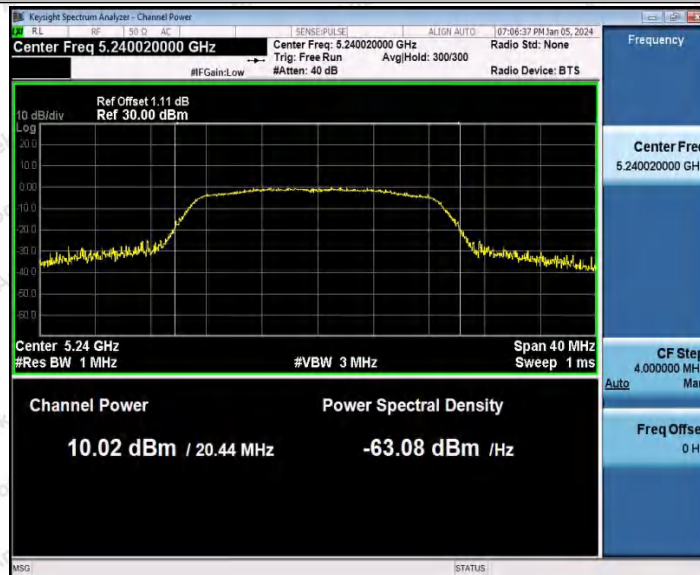


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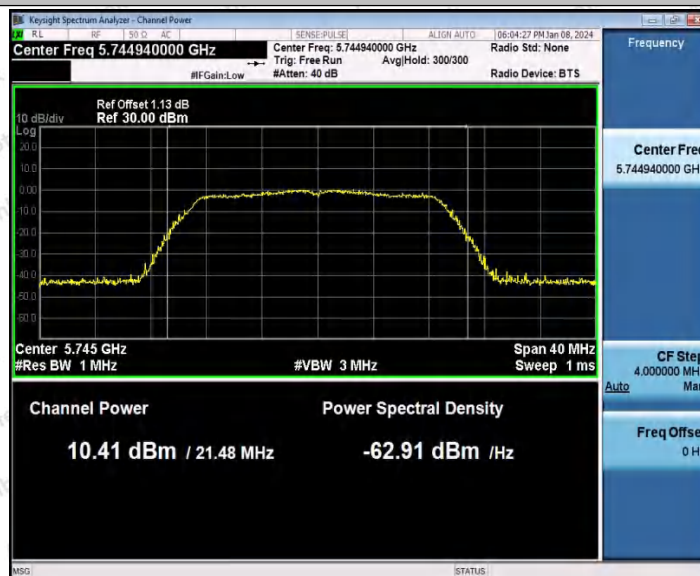




11AC20SISO_Ant1_5240



11AC20SISO_Ant1_5745



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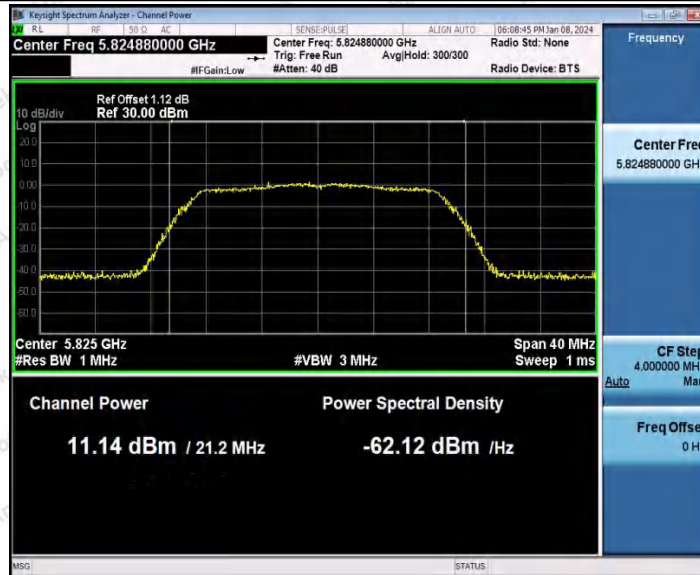
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11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



11AC40SISO_Ant1_5190

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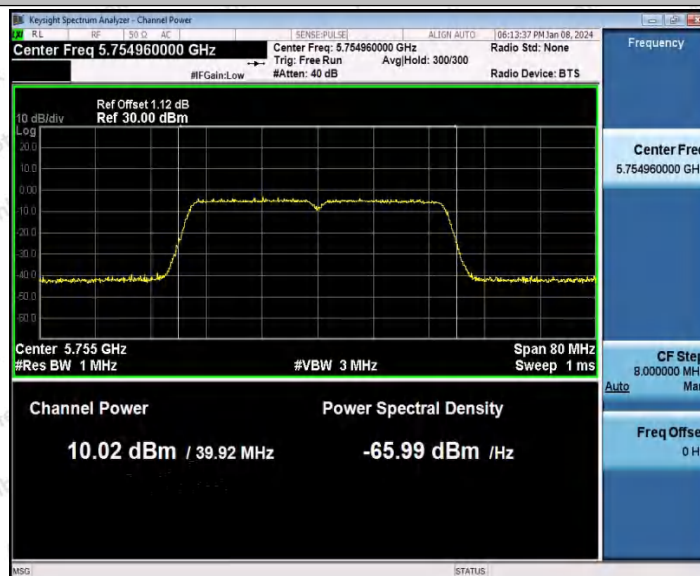




11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755



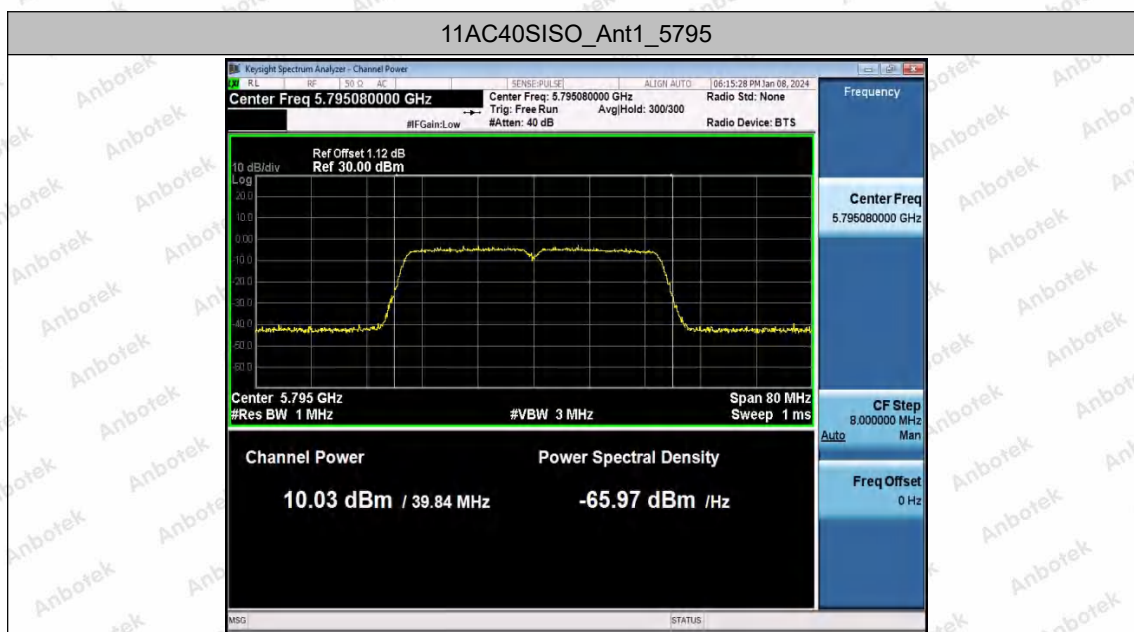
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Appendix D: Maximum power spectral density

Test Result B1

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	-4.17	≤11.00	PASS
		5200	-4.71	≤11.00	PASS
		5240	-4.96	≤11.00	PASS
11N20SISO	Ant1	5180	-4.87	≤11.00	PASS
		5200	-5.16	≤11.00	PASS
		5240	-5.1	≤11.00	PASS
11N40SISO	Ant1	5190	-7.5	≤11.00	PASS
		5230	-7.55	≤11.00	PASS
11AC20SISO	Ant1	5180	-5.47	≤11.00	PASS
		5200	-5.81	≤11.00	PASS
		5240	-6.28	≤11.00	PASS
11AC40SISO	Ant1	5190	-7.68	≤11.00	PASS
		5230	-7.44	≤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/300KHz]	Result [dBm/500KHz]	Limit[dBm/500KHz]	Verdict
11A	Ant1	5745	-7.45	-5.23	≤30.00	PASS
		5785	-7.54	-5.32	≤30.00	PASS
		5825	-6.98	-4.76	≤30.00	PASS
11N20SISO	Ant1	5745	-8.32	-6.10	≤30.00	PASS
		5785	-7.29	-5.07	≤30.00	PASS
		5825	-7.2	-4.98	≤30.00	PASS
11N40SISO	Ant1	5755	-13.4	-11.18	≤30.00	PASS
		5795	-13.21	-10.99	≤30.00	PASS
11AC20SISO	Ant1	5745	-7.52	-5.30	≤30.00	PASS
		5785	-7.55	-5.33	≤30.00	PASS
		5825	-6.98	-4.76	≤30.00	PASS
11AC40SISO	Ant1	5755	-13.18	-10.96	≤30.00	PASS
		5795	-12.73	-10.51	≤30.00	PASS

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

2. Result [dBm/500KHz]=Result [dBm/300KHz]+10*LOG10(500/300)

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Test Graphs B1



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11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



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11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230

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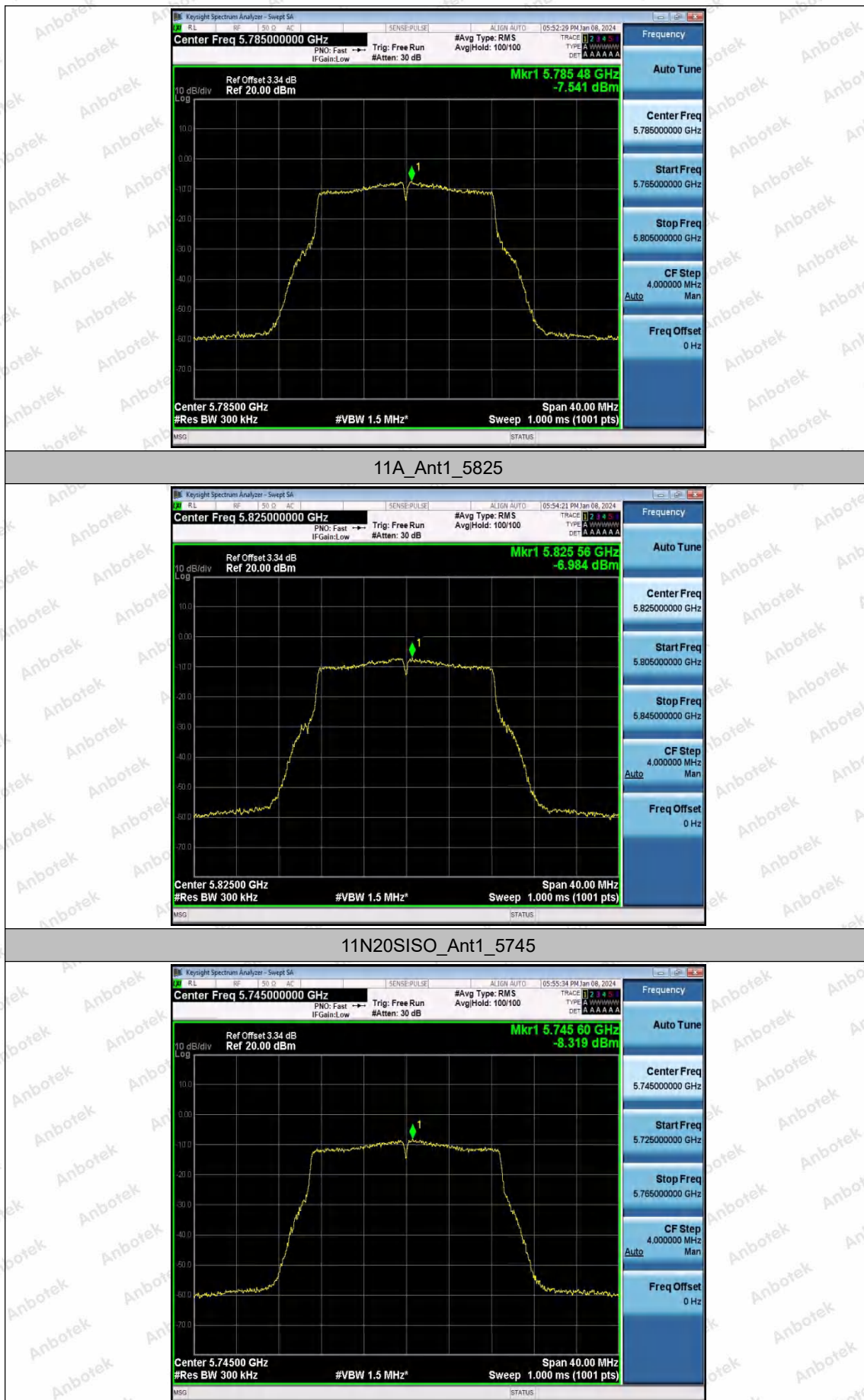
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Test Graphs B4





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11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



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11N40SISO_Ant1_5795



11AC20SISO_Ant1_5745



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11AC40SISO_Ant1_5755

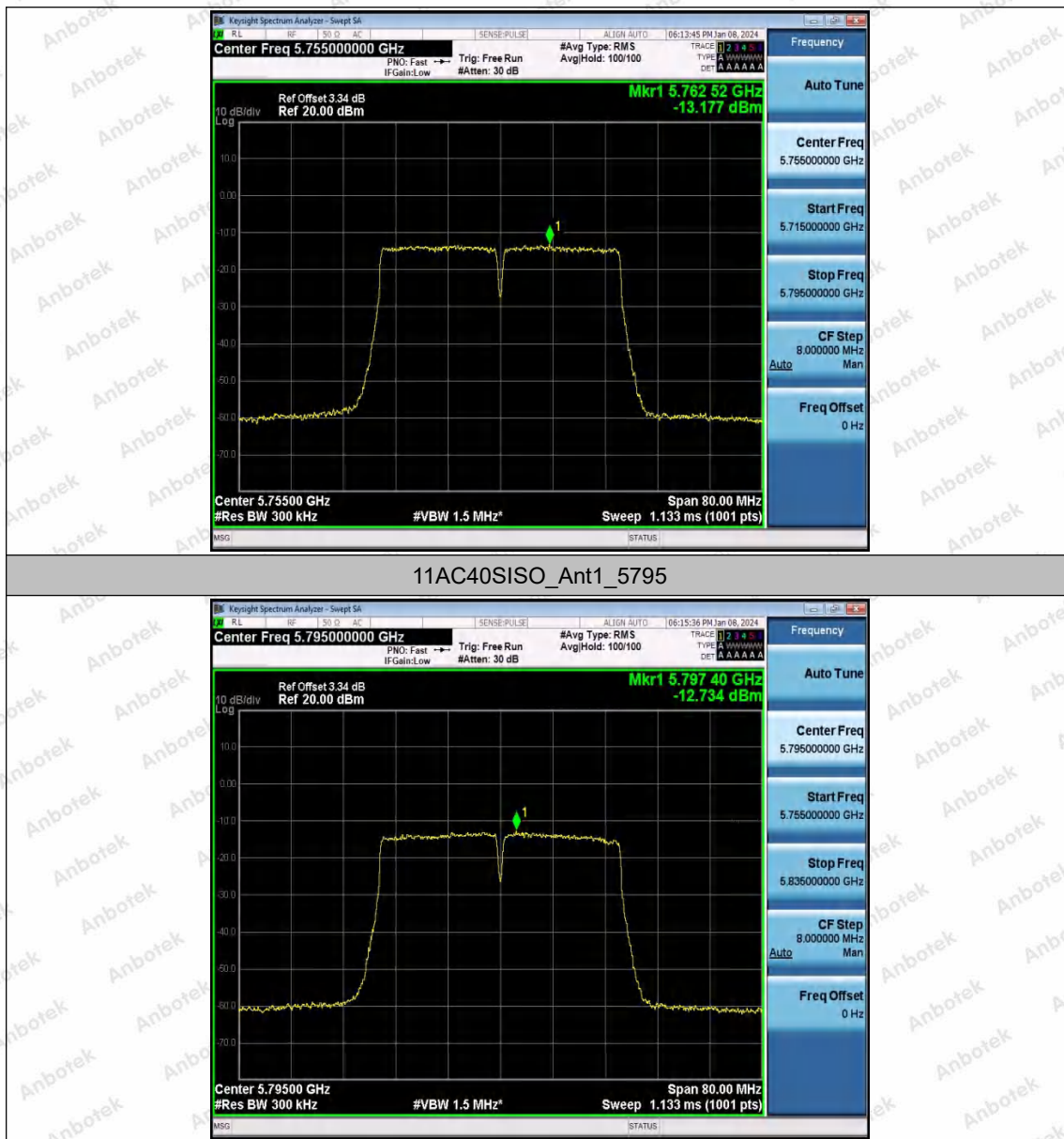
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