

Appendix Test Data

Report No:	18220WC30244204	Test Sample NO:	1-2-2
Start Test Date:	2023.11.21	Finish Test Date:	2023.11.23
Test Engineer:	Hayman Chen	Auditor:	Rock Luo
Temperature:	25.4℃	Relative Humidity:	45%
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	21.200	5169.360	5190.560	---	---
		5200	21.160	5189.480	5210.640	---	---
		5240	21.120	5229.400	5250.520	---	---
		5260	21.160	5249.400	5270.560	---	---
		5300	21.360	5289.360	5310.720	---	---
		5320	21.360	5309.320	5330.680	---	---
		5500	21.320	5489.320	5510.640	---	---
		5600	21.200	5589.320	5610.520	---	---
		5700	21.400	5689.280	5710.680	---	---
		5745	21.320	5734.280	5755.600	---	---
		5785	21.160	5774.440	5795.600	---	---
11N20SISO	Ant1	5825	21.240	5814.280	5835.520	---	---
		5180	21.400	5169.280	5190.680	---	---
		5200	21.440	5189.360	5210.800	---	---
		5240	21.480	5229.240	5250.720	---	---
		5260	21.560	5249.080	5270.640	---	---
		5300	21.600	5289.160	5310.760	---	---
		5320	21.480	5309.320	5330.800	---	---
		5500	21.560	5489.120	5510.680	---	---
		5600	21.600	5589.120	5610.720	---	---
		5700	21.320	5689.240	5710.560	---	---
		5745	21.600	5734.200	5755.800	---	---
		5785	21.400	5774.320	5795.720	---	---
		5825	21.600	5814.280	5835.880	---	---

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Test Graphs

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240

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11A_Ant1_5260



11A_Ant1_5300



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11A_Ant1_5320



11A_Ant1_5500



11A_Ant1_5600

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11A_Ant1_5700



11A_Ant1_5745



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11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5180

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11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



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11N20SISO_Ant1_5260



11N20SISO_Ant1_5300



11N20SISO_Ant1_5320

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11N20SISO_Ant1_5500



11N20SISO_Ant1_5600



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11N20SISO_Ant1_5700



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785

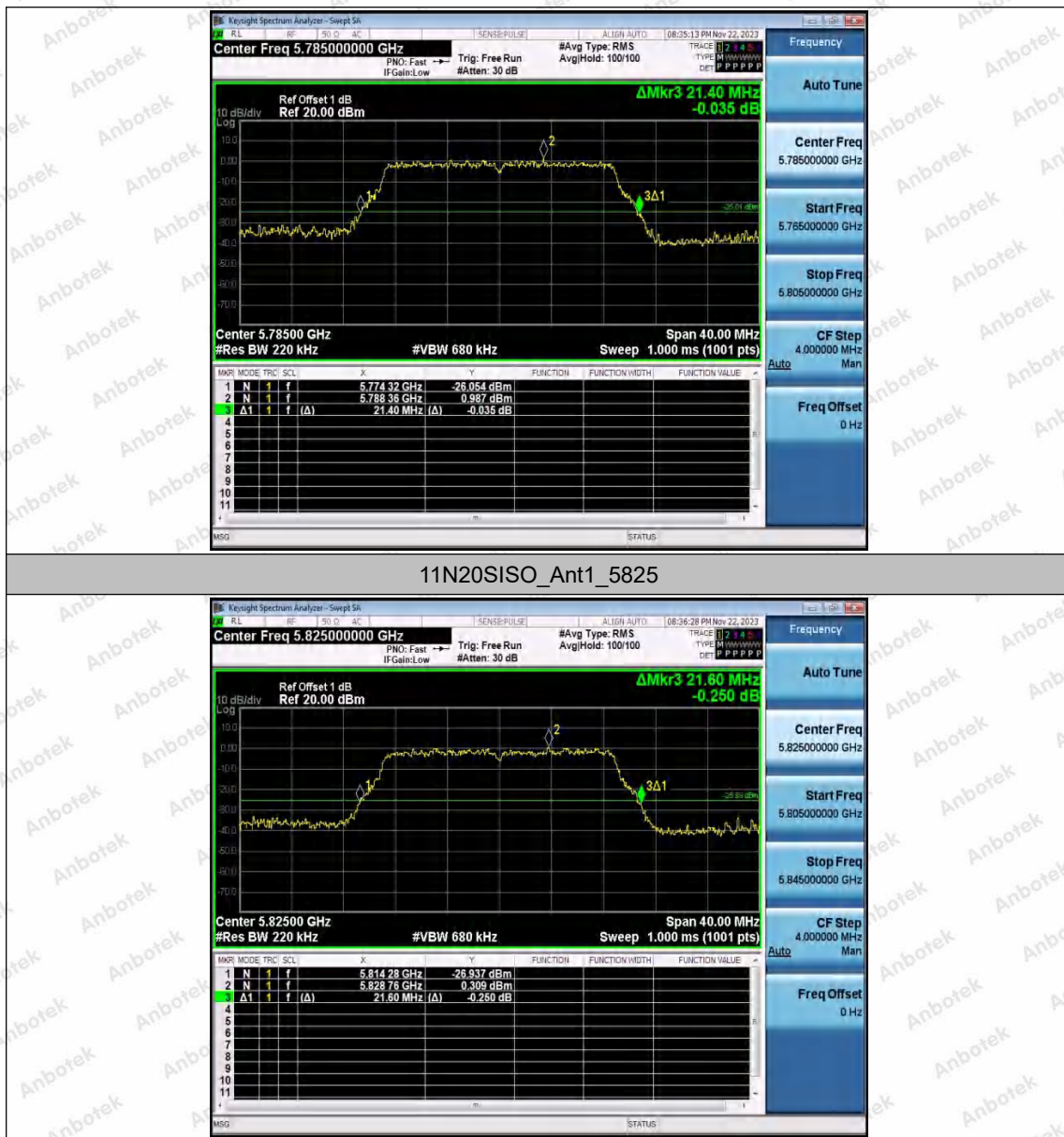
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Appendix A2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5200	17.440	5191.2906	5208.7306	---	---
		5240	17.462	5231.2432	5248.7052	---	---
		5260	17.426	5251.2734	5268.6994	---	---
		5300	17.446	5291.3028	5308.7488	---	---
		5320	17.458	5311.2799	5328.7379	---	---
		5500	17.435	5491.2782	5508.7132	---	---
		5600	17.452	5591.2332	5608.6852	---	---
		5700	17.439	5691.3050	5708.7440	---	---
		5745	17.466	5736.2649	5753.7309	---	---
		5785	17.470	5776.2537	5793.7237	---	---
11N20SISO	Ant1	5825	17.493	5816.2664	5833.7594	---	---
		5180	18.516	5170.7310	5189.2470	---	---
		5200	18.428	5190.8040	5209.2320	---	---
		5240	18.424	5230.7475	5249.1715	---	---
		5260	18.427	5250.7685	5269.1955	---	---
		5300	18.449	5290.8130	5309.2620	---	---
		5320	18.447	5310.8153	5329.2623	---	---
		5500	18.413	5490.7752	5509.1882	---	---
		5600	18.456	5590.7589	5609.2149	---	---
		5700	18.488	5690.7823	5709.2703	---	---
		5745	18.452	5735.7945	5754.2465	---	---
		5785	18.472	5775.7868	5794.2588	---	---
		5825	18.450	5815.8094	5834.2594	---	---



Test Graphs



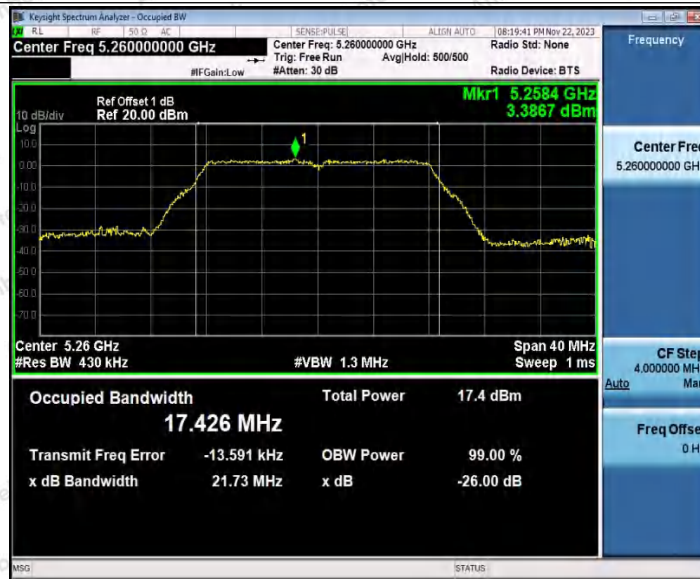
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11A_Ant1_5300



11A_Ant1_5320



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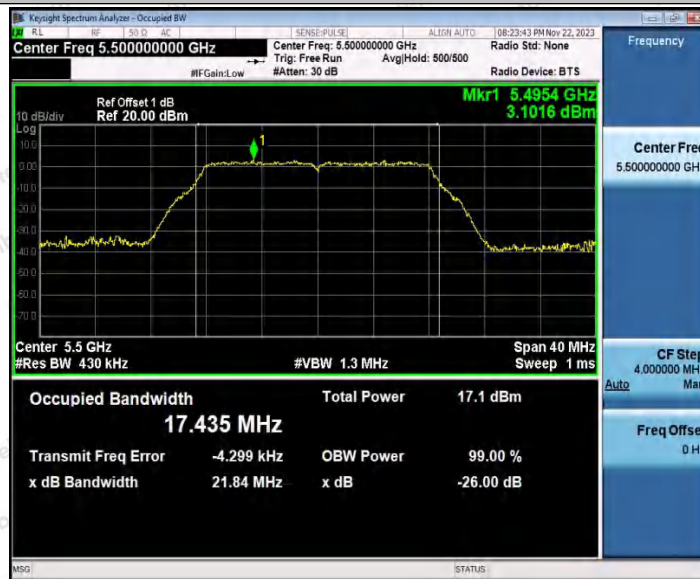
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11A_Ant1_5500



11A_Ant1_5600



11A_Ant1_5700

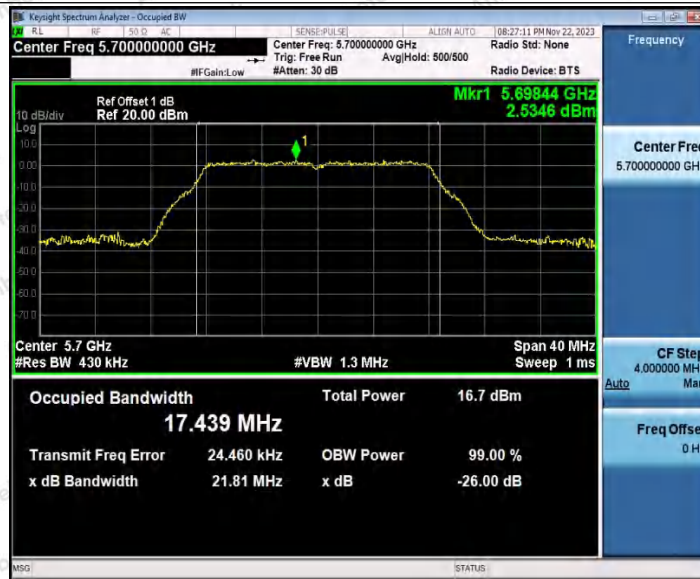
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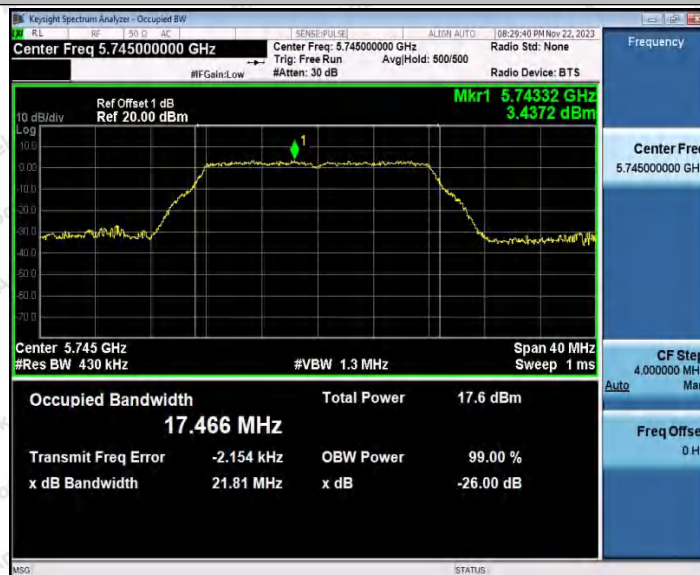


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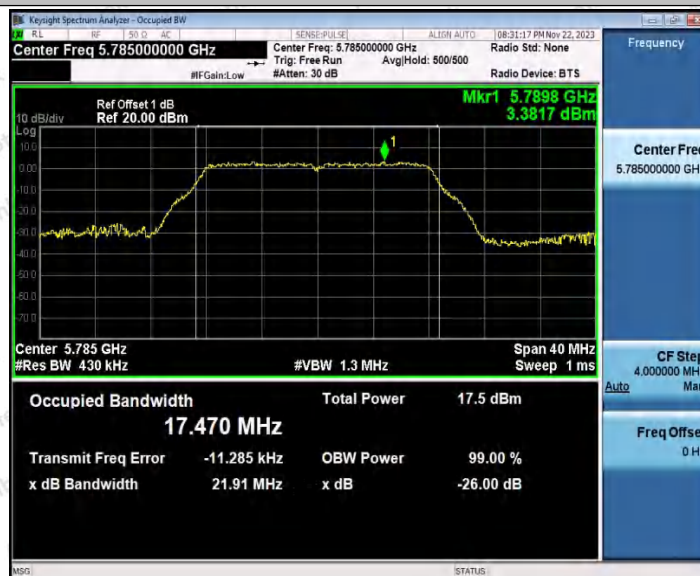




11A_Ant1_5745



11A_Ant1_5785



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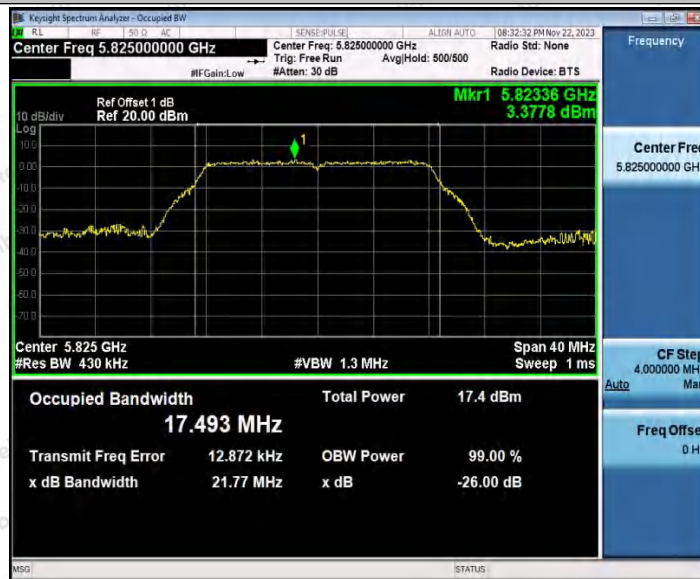
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11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200

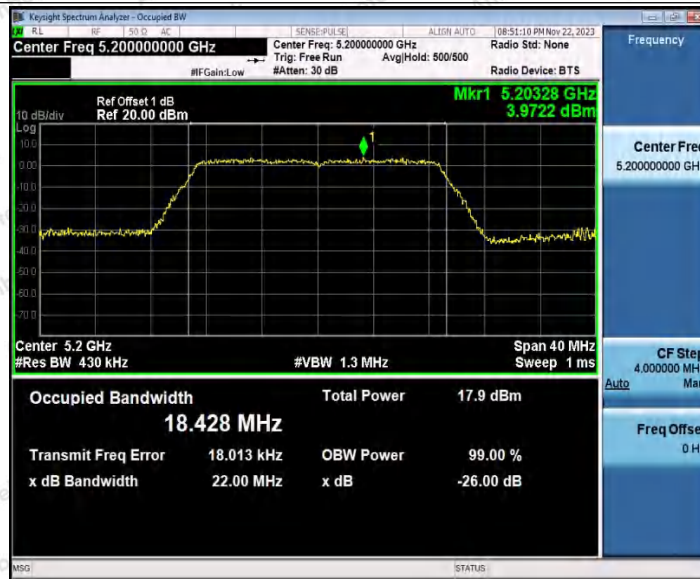
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11N20SISO_Ant1_5240



11N20SISO_Ant1_5260

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11N20SISO_Ant1_5300



11N20SISO_Ant1_5320



11N20SISO_Ant1_5500

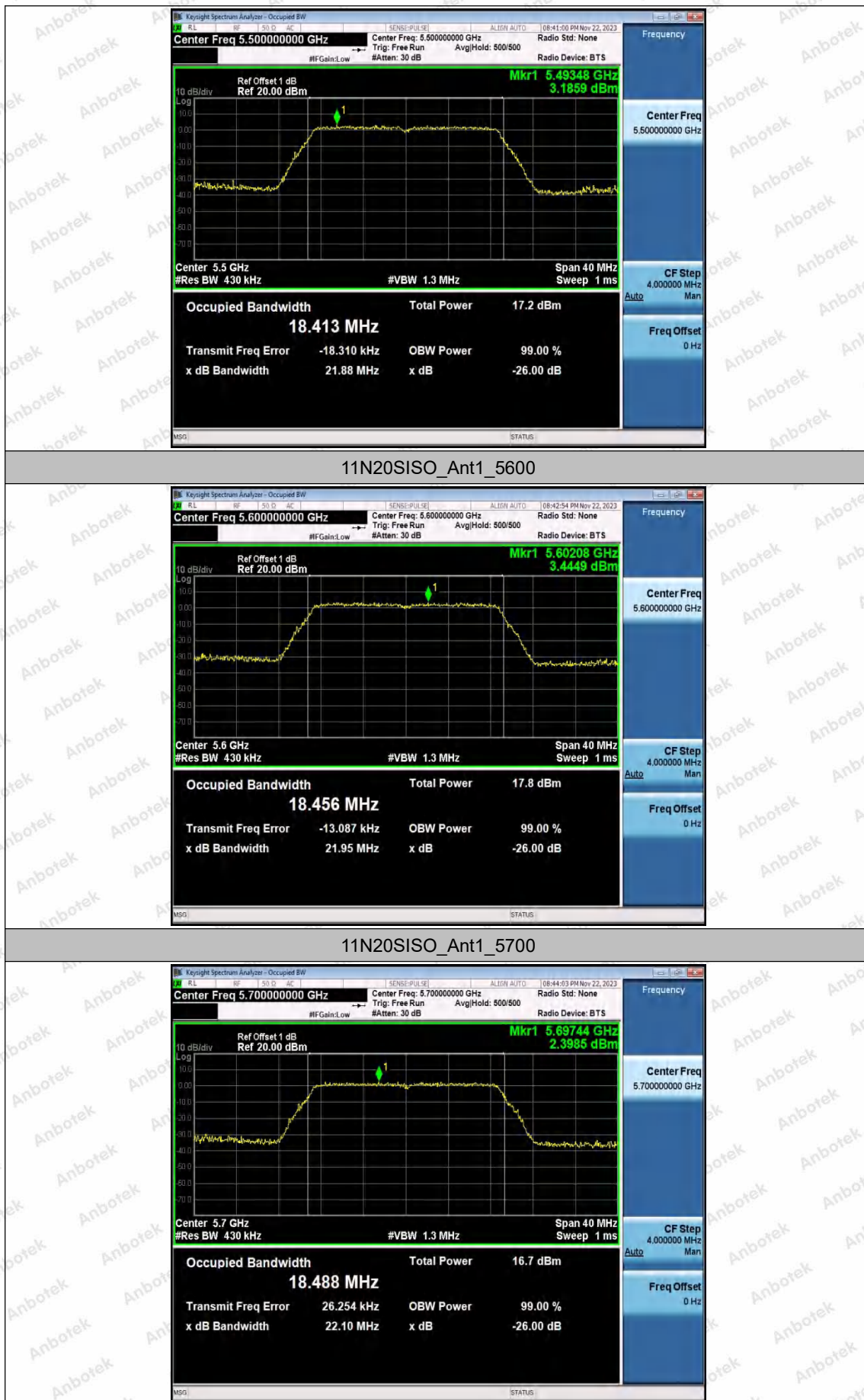
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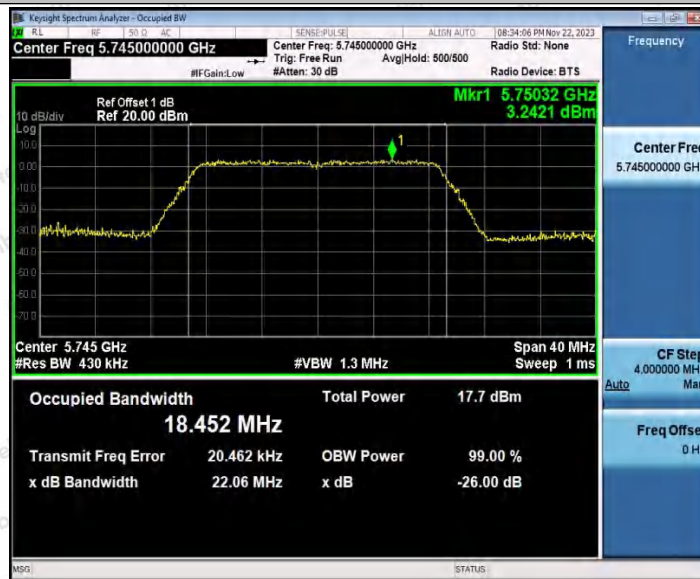
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11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825

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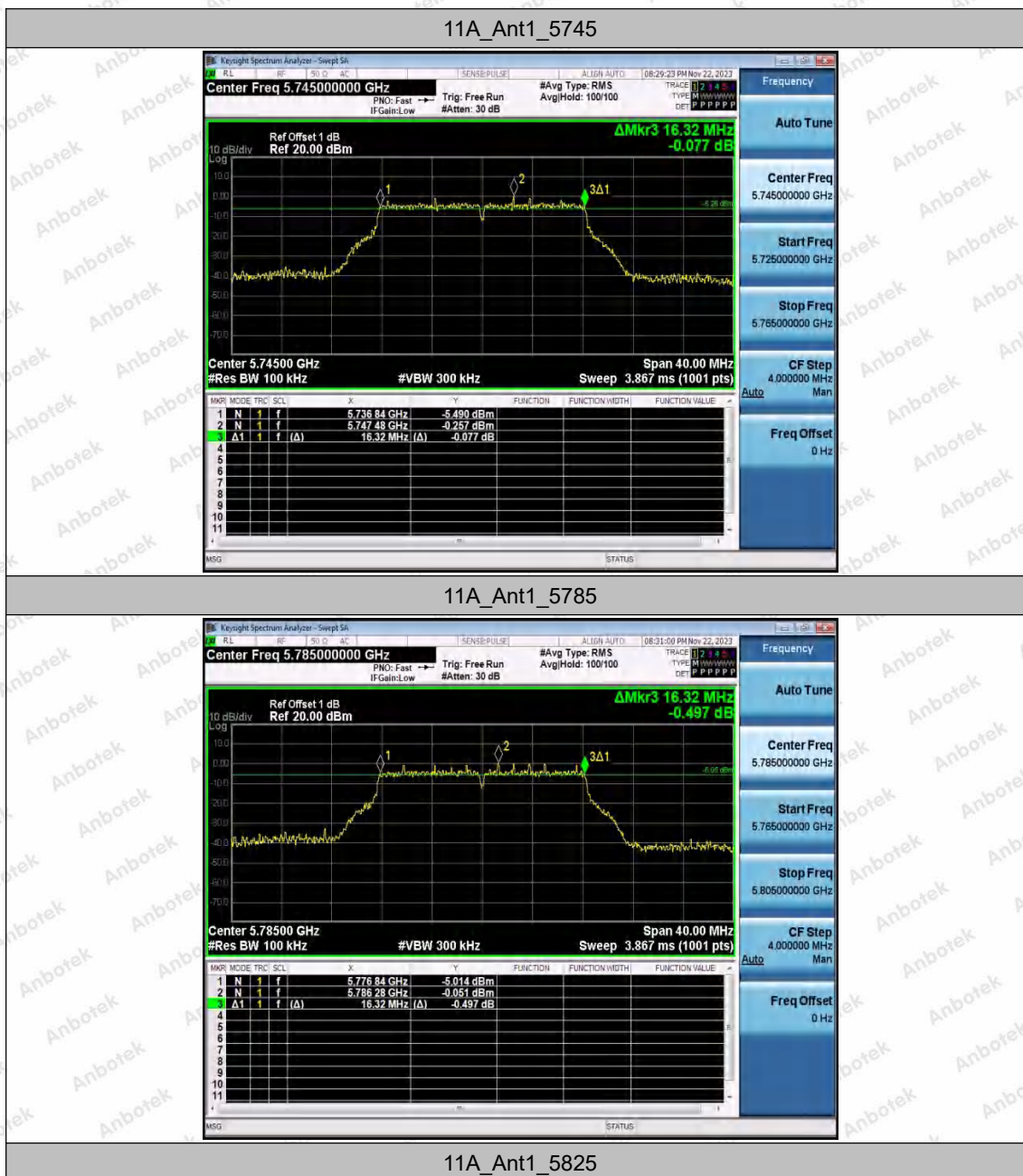
Appendix A3: Min emission bandwidth

Test Result B4

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.320	5736.840	5753.160	0.5	PASS
		5785	16.320	5776.840	5793.160	0.5	PASS
		5825	16.400	5816.800	5833.200	0.5	PASS
11N20SISO	Ant1	5745	17.560	5736.200	5753.760	0.5	PASS
		5785	17.560	5776.200	5793.760	0.5	PASS
		5825	17.560	5816.200	5833.760	0.5	PASS



Test Graphs B4



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11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



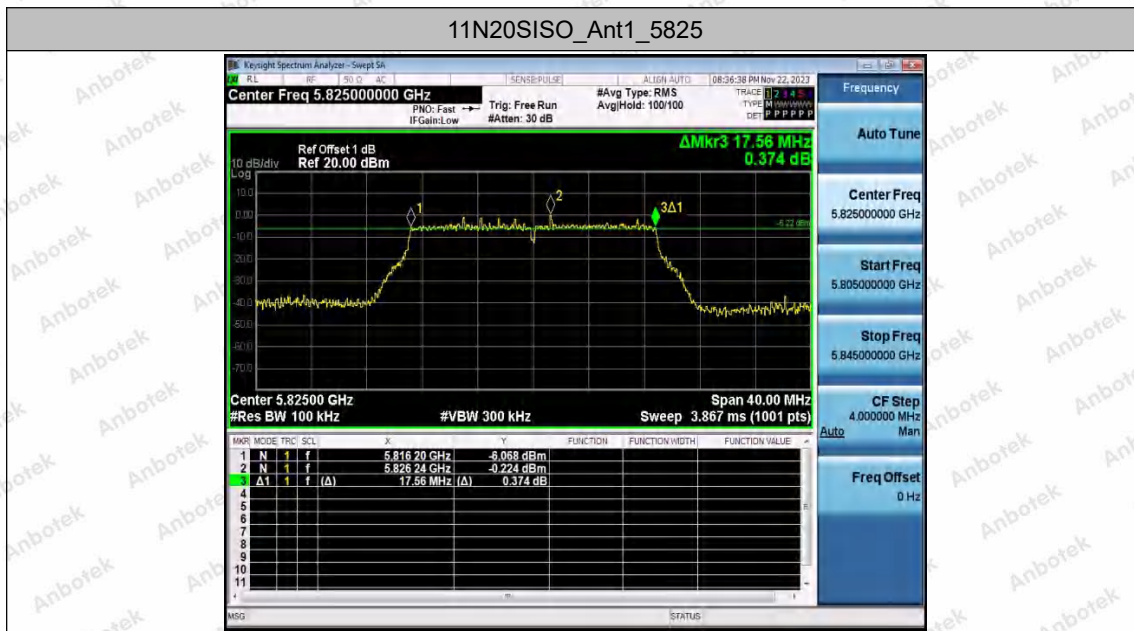
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Appendix B: Duty Cycle

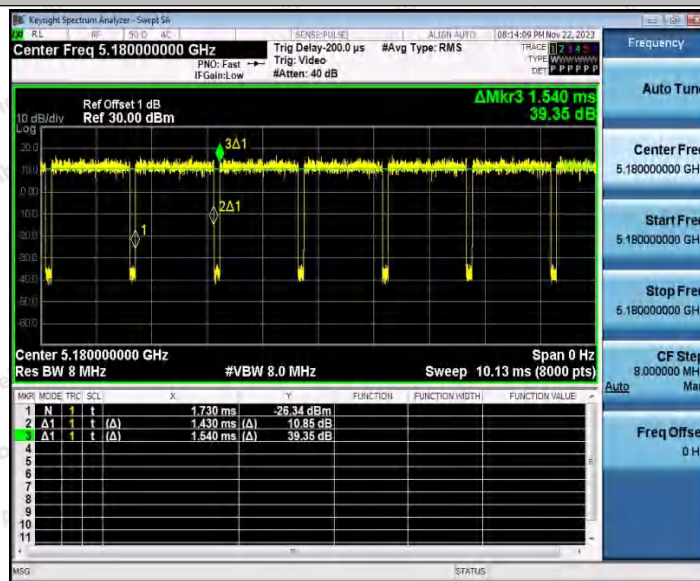
Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	1.43	1.54	92.86
		5200	1.43	1.53	93.46
		5240	1.43	1.53	93.46
		5260	1.43	1.54	92.86
		5300	1.43	1.54	92.86
		5320	1.42	1.53	92.81
		5500	1.42	1.53	92.81
		5600	1.43	1.54	92.86
		5700	1.43	1.54	92.86
		5745	1.43	1.54	92.86
		5785	1.43	1.53	93.46
11N20SISO	Ant1	5825	1.42	1.53	92.81
		5180	1.33	1.44	92.36
		5200	1.34	1.44	93.06
		5240	1.34	1.44	93.06
		5260	1.33	1.44	92.36
		5300	1.34	1.45	92.41
		5320	1.34	1.44	93.06
		5500	1.33	1.44	92.36
		5600	1.34	1.44	93.06
		5700	1.33	1.44	92.36
		5745	1.33	1.44	92.36
		5785	1.33	1.44	92.36
		5825	1.34	1.45	92.41

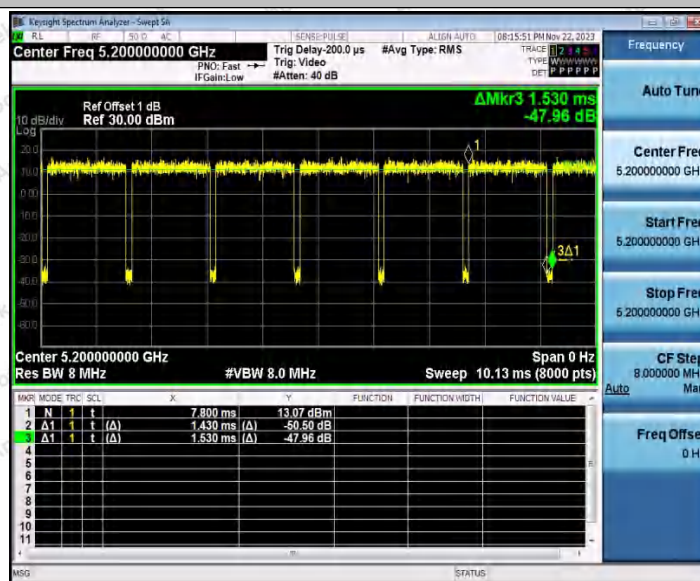


Test Graphs

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240

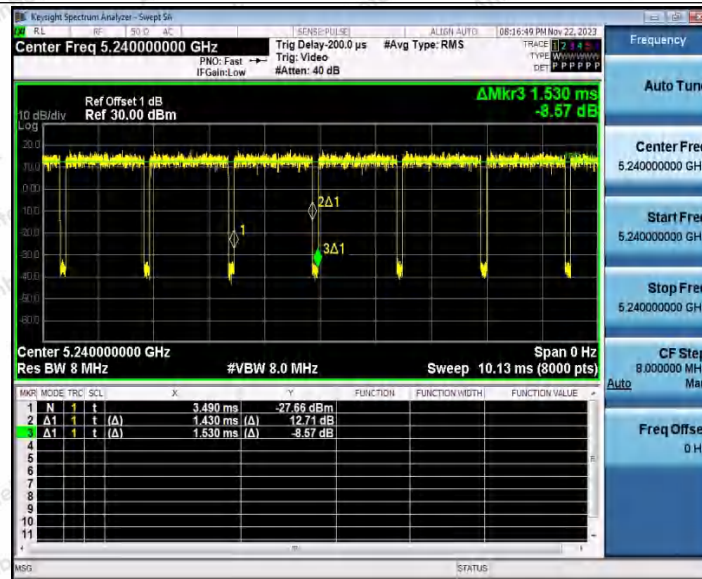
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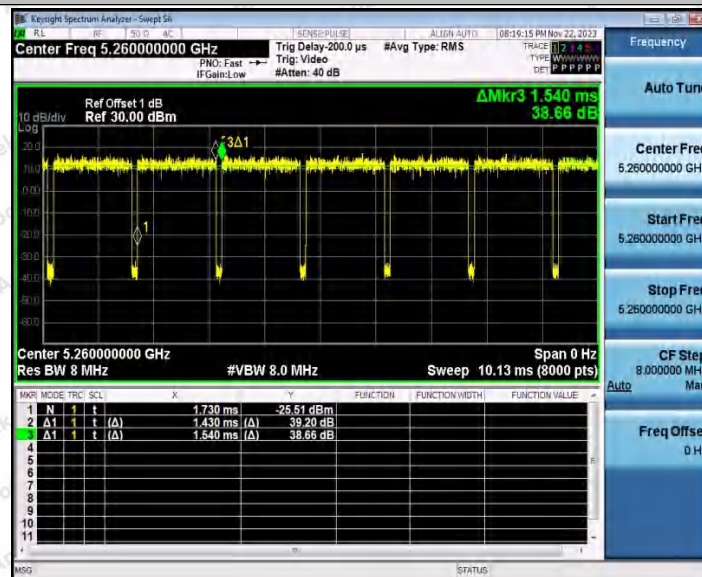


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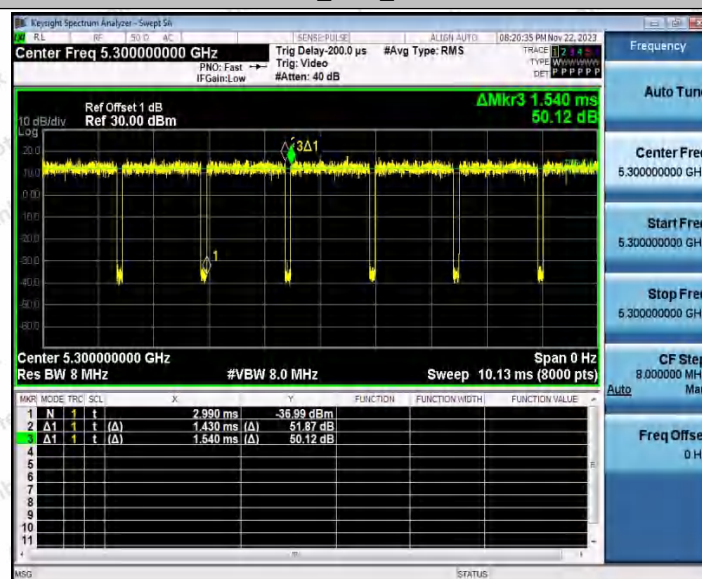




11A_Ant1_5260



11A_Ant1_5300



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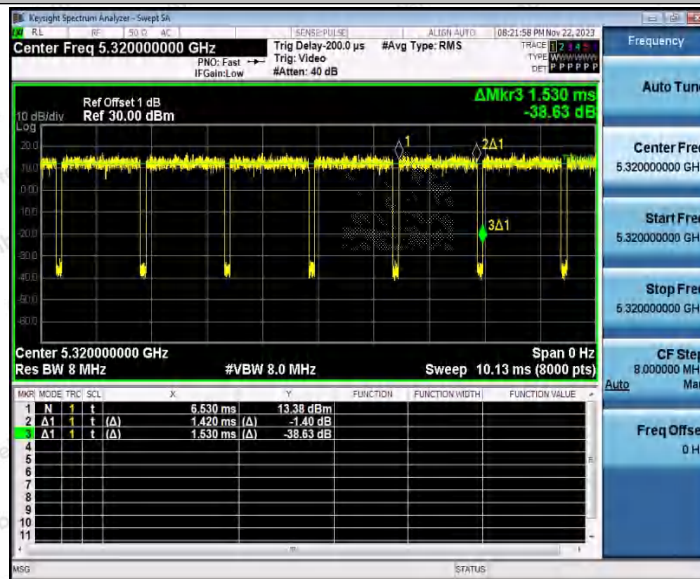
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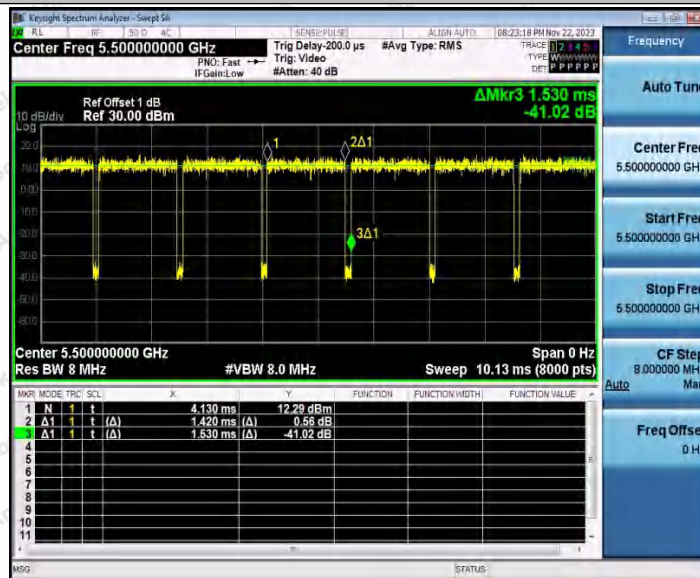
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11A_Ant1_5320

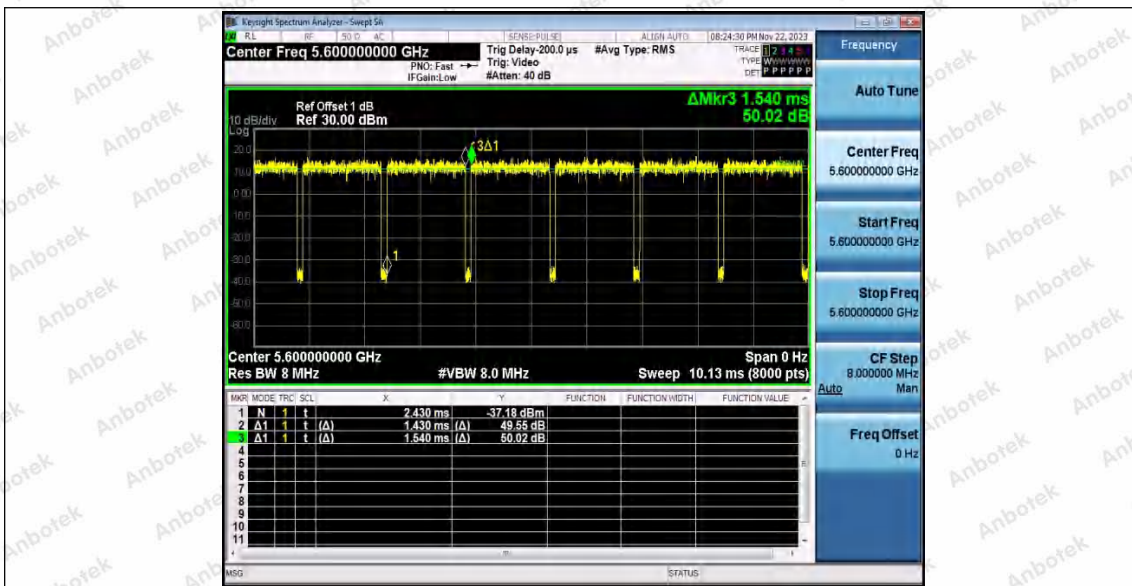


11A_Ant1_5500

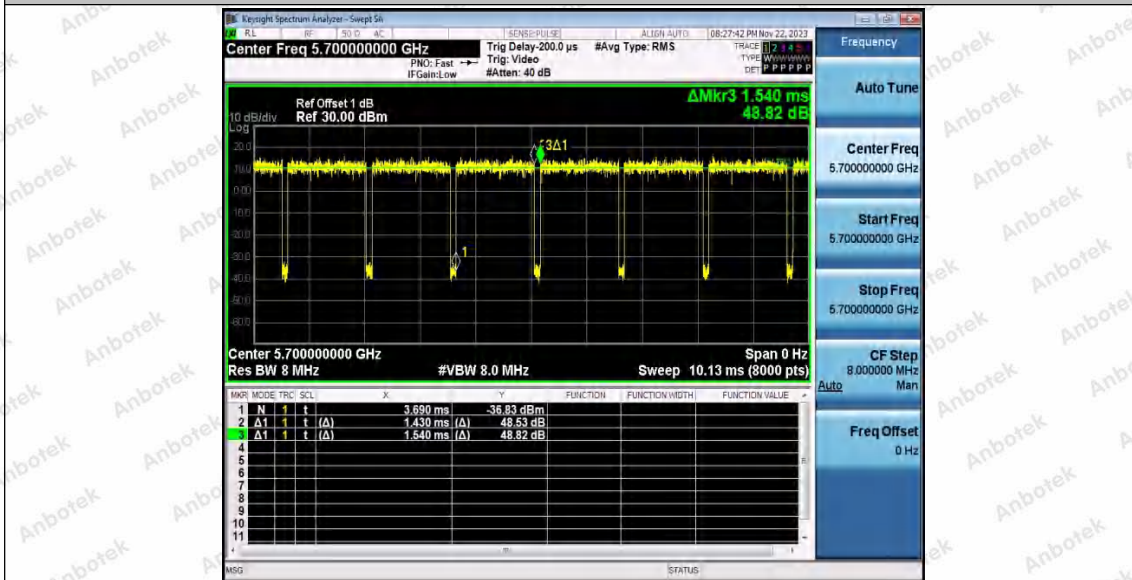


11A_Ant1_5600

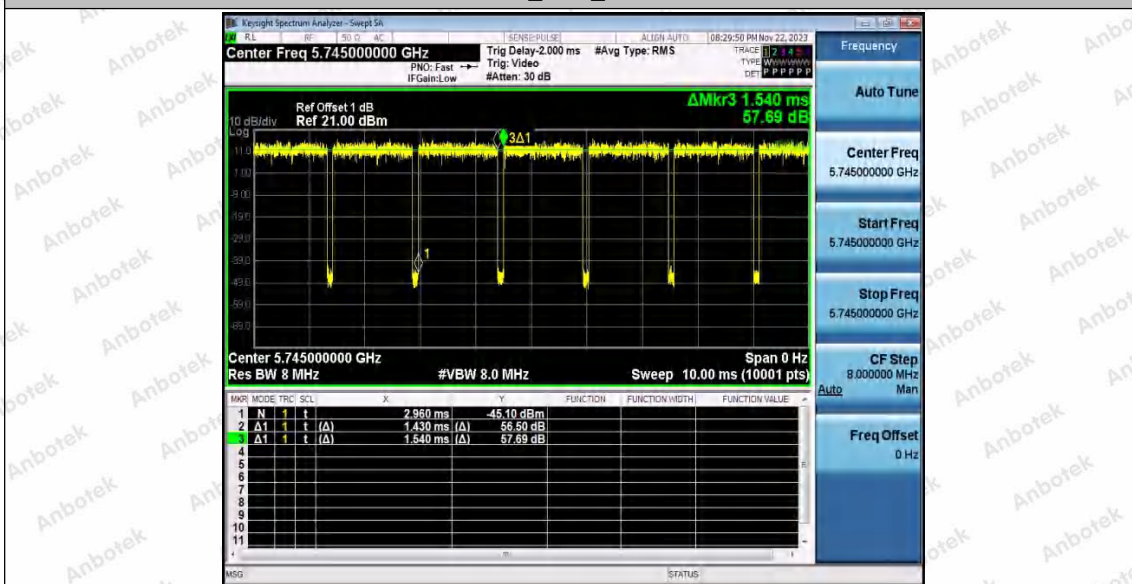




11A_Ant1_5700



11A_Ant1_5745



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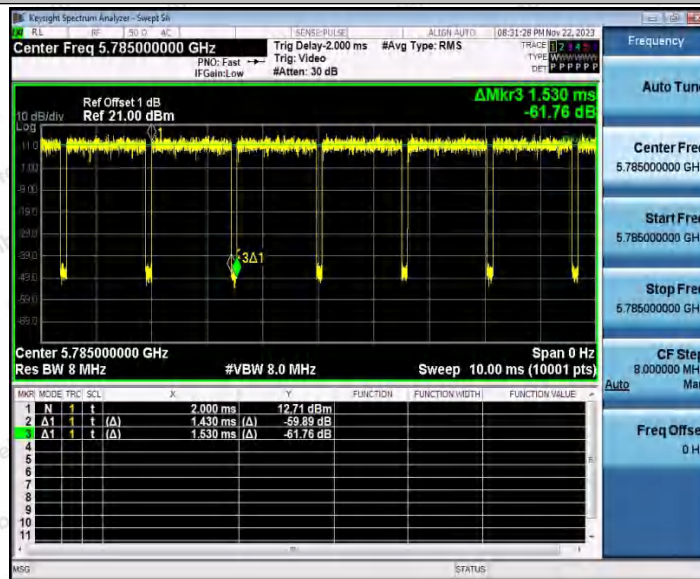
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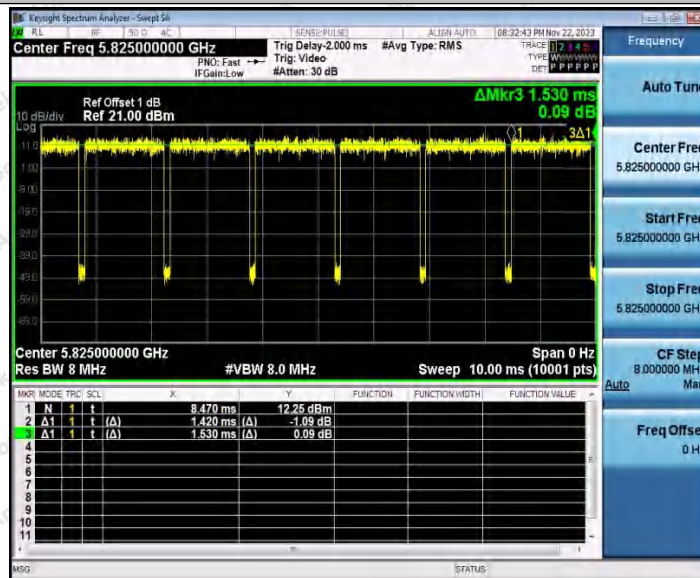
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11A_Ant1_5785

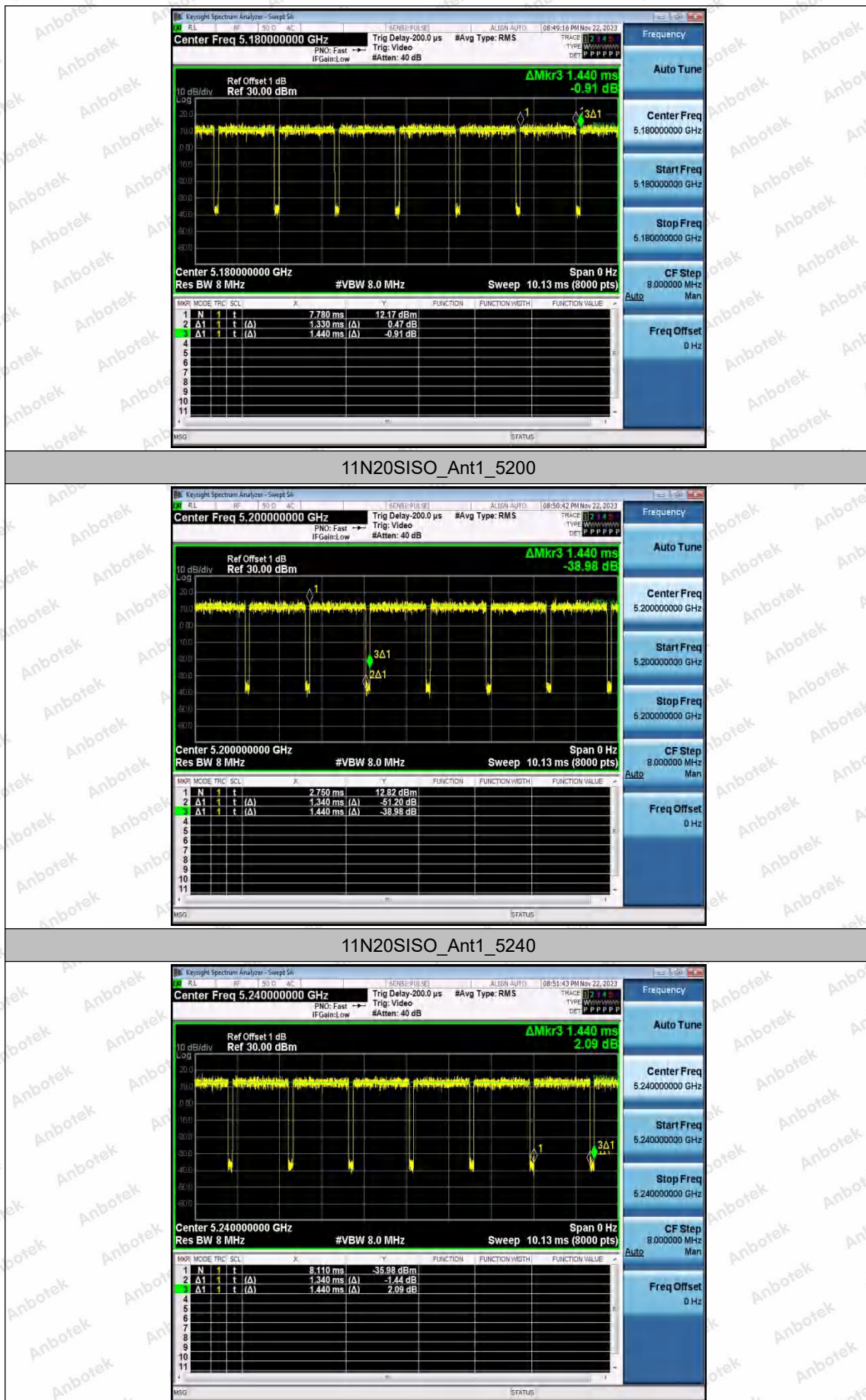


11A_Ant1_5825



11N20SISO_Ant1_5180





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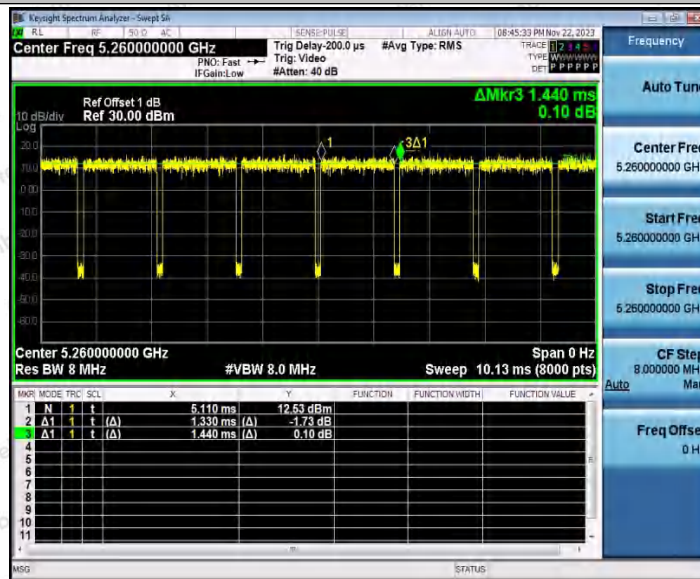
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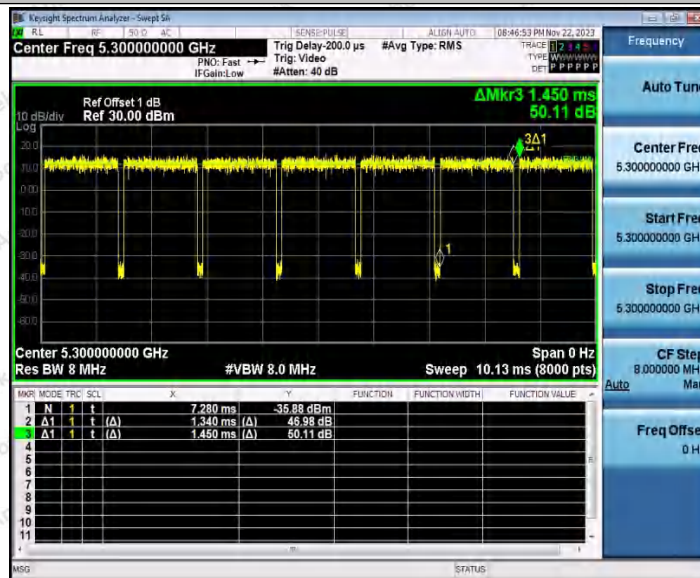
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11N20SISO_Ant1_5260



11N20SISO_Ant1_5300



11N20SISO_Ant1_5320

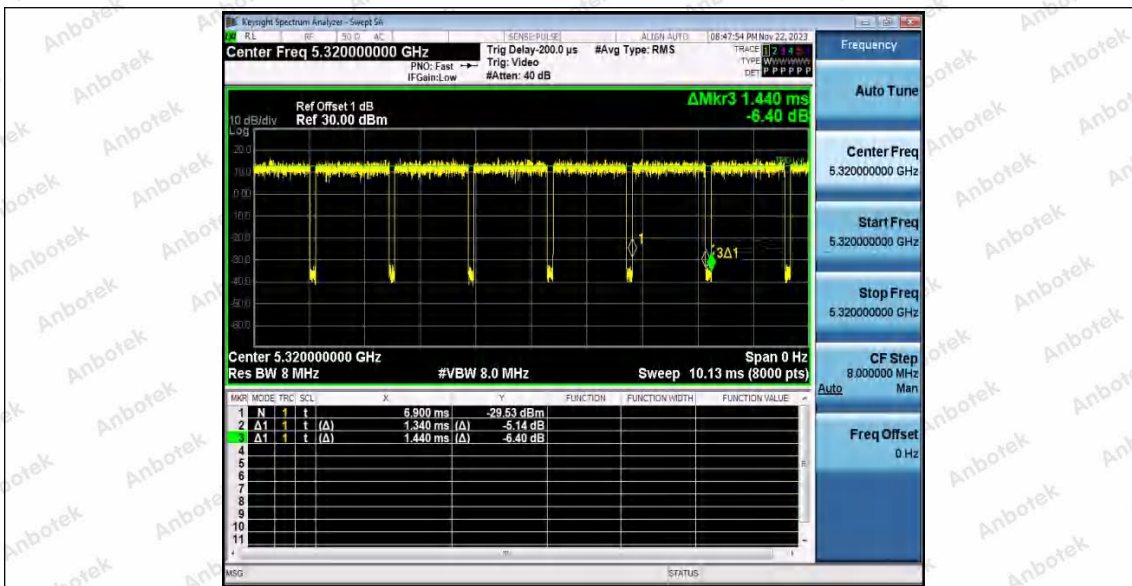
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Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

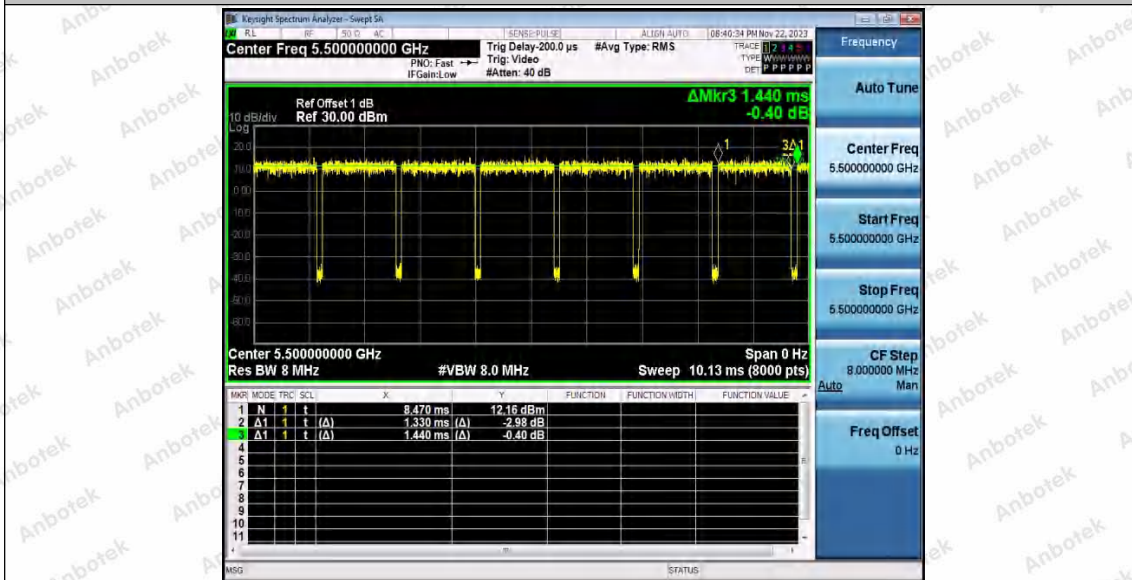


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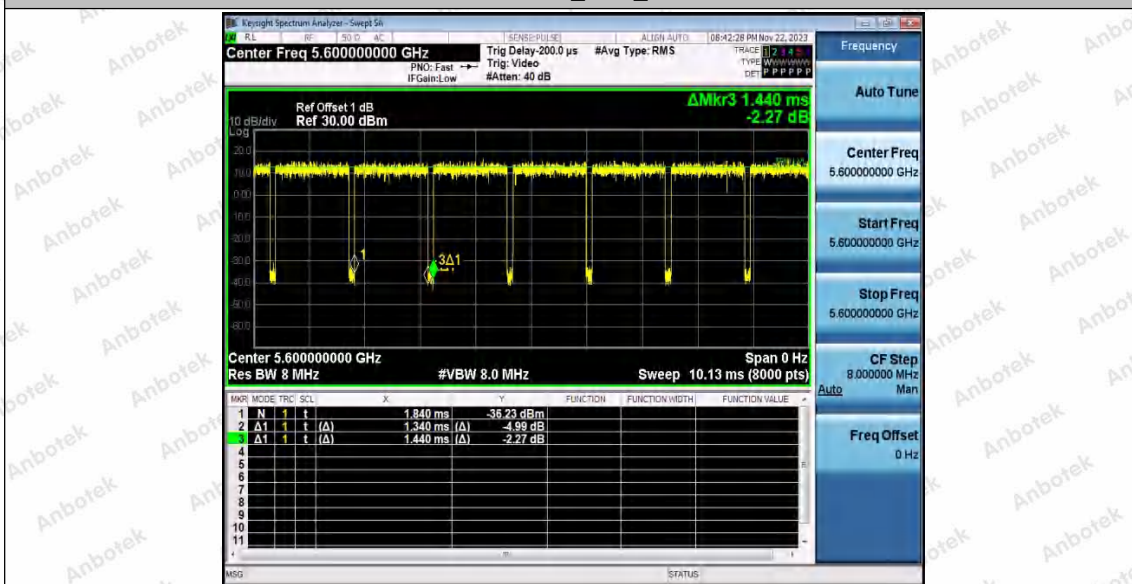




11N20SISO_Ant1_5500



11N20SISO_Ant1_5600



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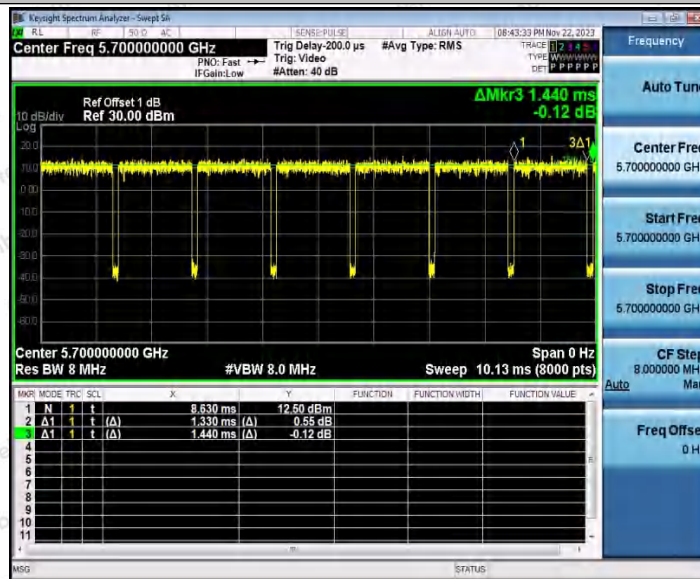
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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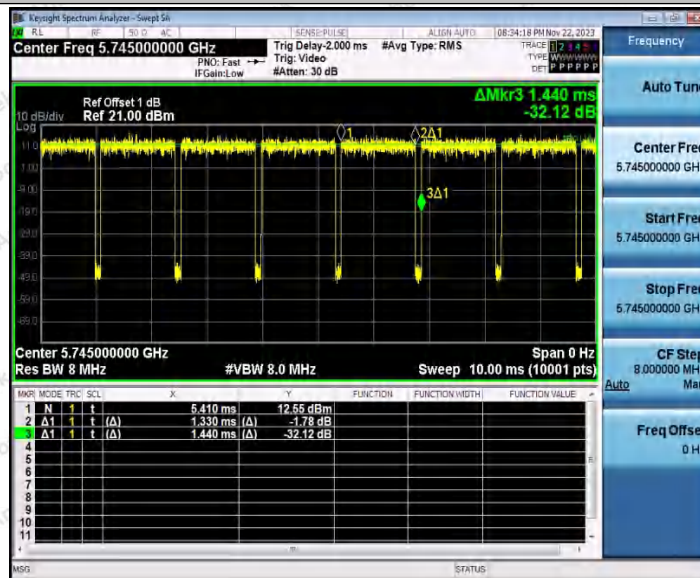
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11N20SISO_Ant1_5700



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785

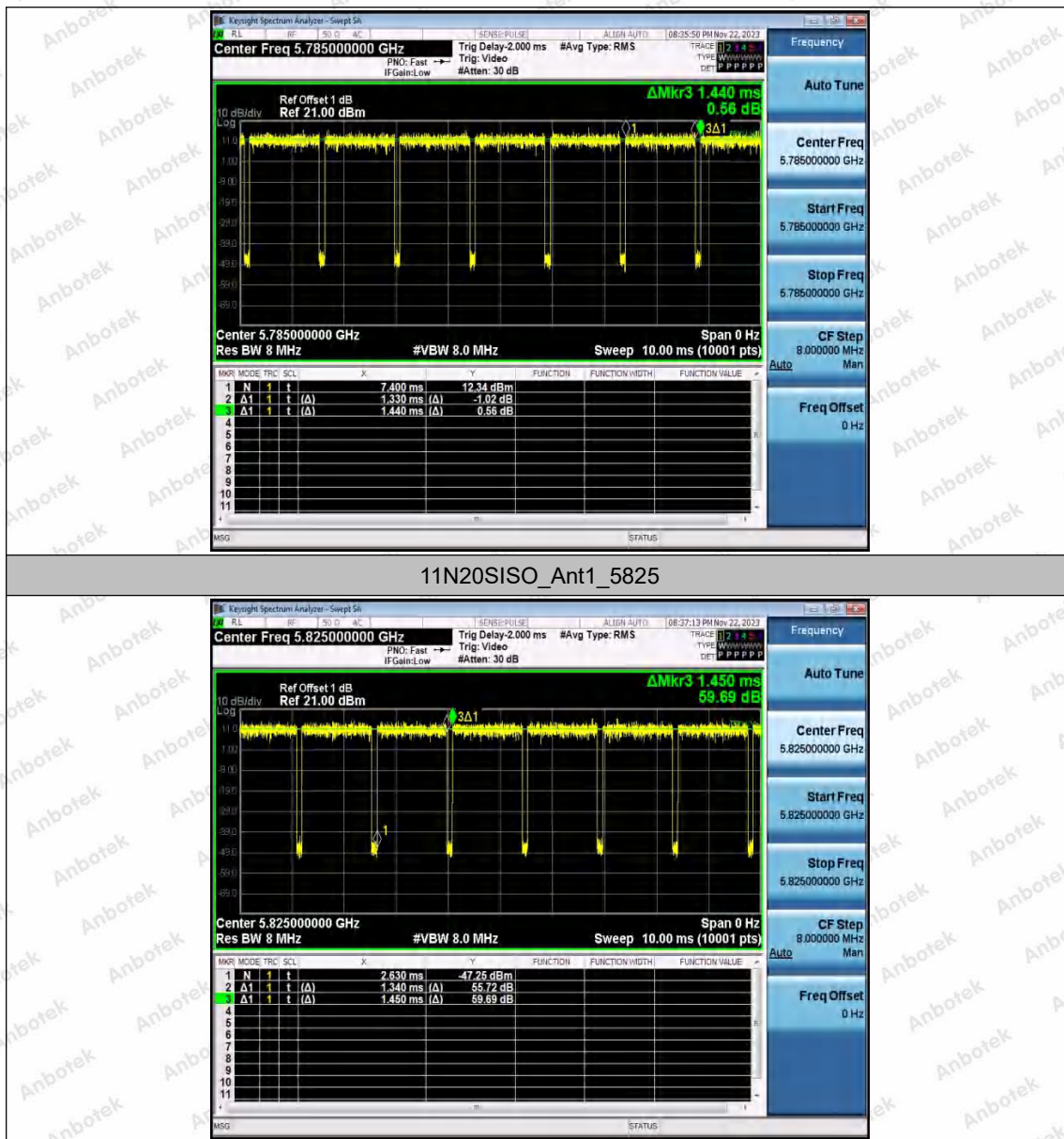
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11N20SISO_Ant1_5825

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Appendix C: Maximum conducted output power

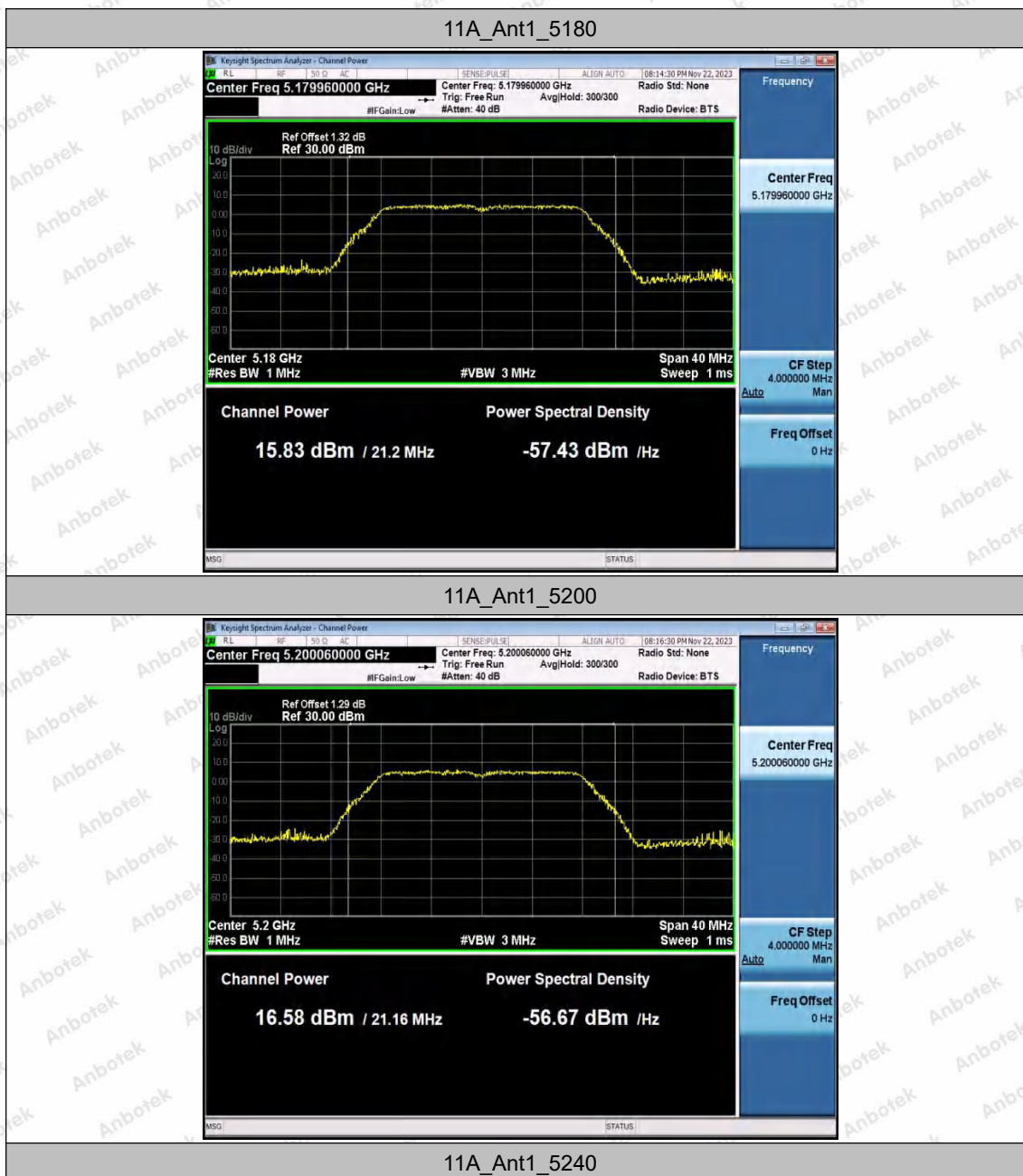
Test Result Channel Power

Test Mode	Antenna	Frequency[MHz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]
11A	Ant1	5180	15.51	92.86	0.32	15.83	≤23.98
		5200	16.29	93.46	0.29	16.58	≤23.98
		5240	16.88	93.46	0.29	17.17	≤23.98
		5260	15.71	92.86	0.32	16.03	≤23.98
		5300	16.54	92.86	0.32	16.86	≤23.98
		5320	16.49	92.81	0.32	16.81	≤23.98
		5500	15.34	92.81	0.32	15.66	≤23.98
		5600	16.03	92.86	0.32	16.35	≤23.98
		5700	15.38	92.86	0.32	15.70	≤23.98
		5745	15.83	92.86	0.32	16.15	≤30.00
		5785	15.88	93.46	0.29	16.17	≤30.00
		5825	15.81	92.81	0.32	16.13	≤30.00
11N20SIS O	Ant1	5180	15.67	92.36	0.35	16.02	≤23.98
		5200	16.18	93.06	0.31	16.49	≤23.98
		5240	16.48	93.06	0.31	16.79	≤23.98
		5260	15.68	92.36	0.35	16.03	≤23.98
		5300	16.42	92.41	0.34	16.76	≤23.98
		5320	16.43	93.06	0.31	16.74	≤23.98
		5500	15.77	92.36	0.35	16.12	≤23.98
		5600	15.96	93.06	0.31	16.27	≤23.98
		5700	15.27	92.36	0.35	15.62	≤23.98
		5745	15.82	92.36	0.35	16.17	≤30.00
		5785	15.85	92.36	0.35	16.20	≤30.00
		5825	15.73	92.41	0.34	16.07	≤30.00

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



Test Graphs Channel Power



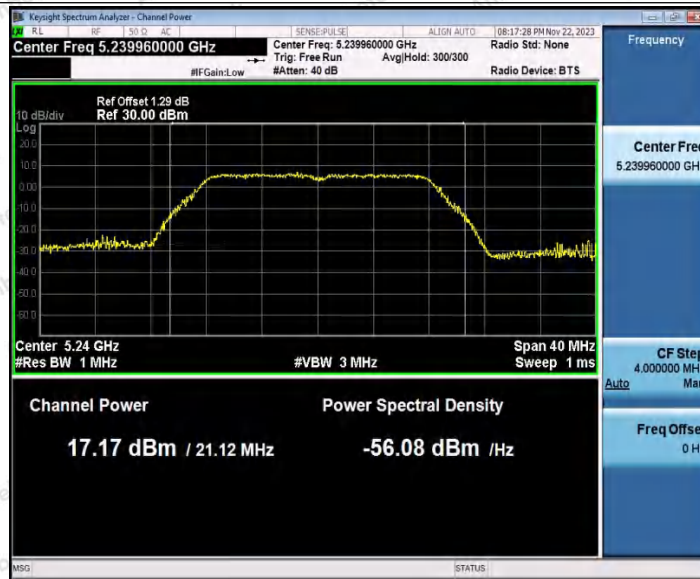
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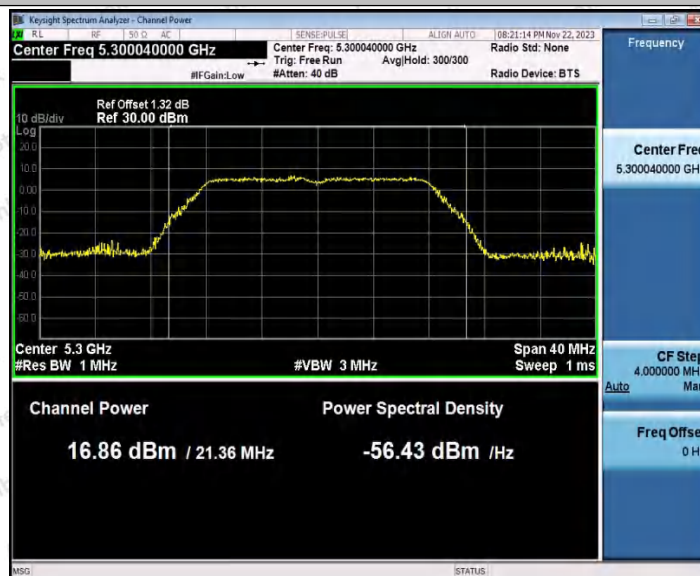




11A_Ant1_5260



11A_Ant1_5300



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11A_Ant1_5320



11A_Ant1_5500



11A_Ant1_5600

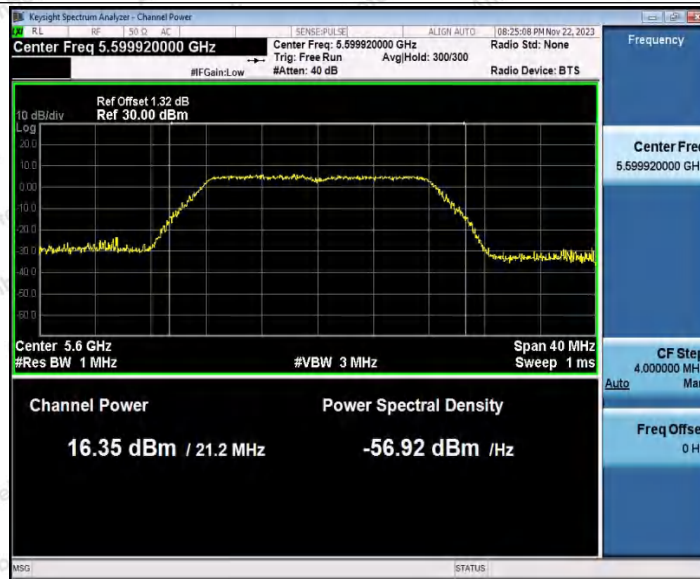
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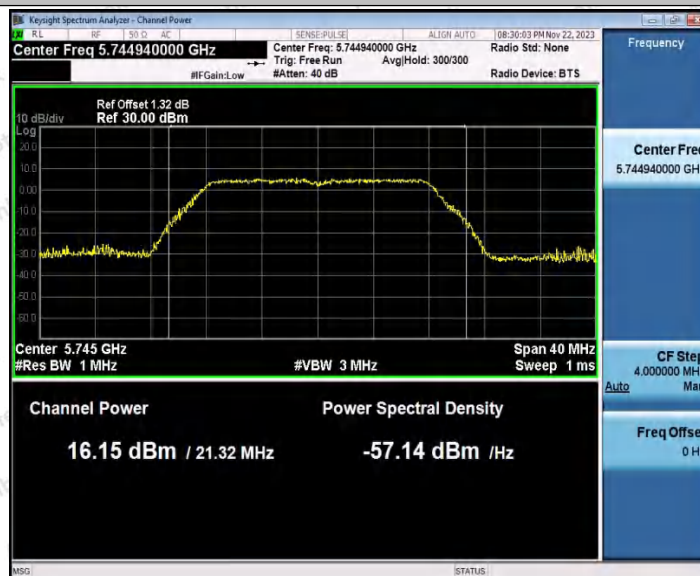




11A_Ant1_5700



11A_Ant1_5745



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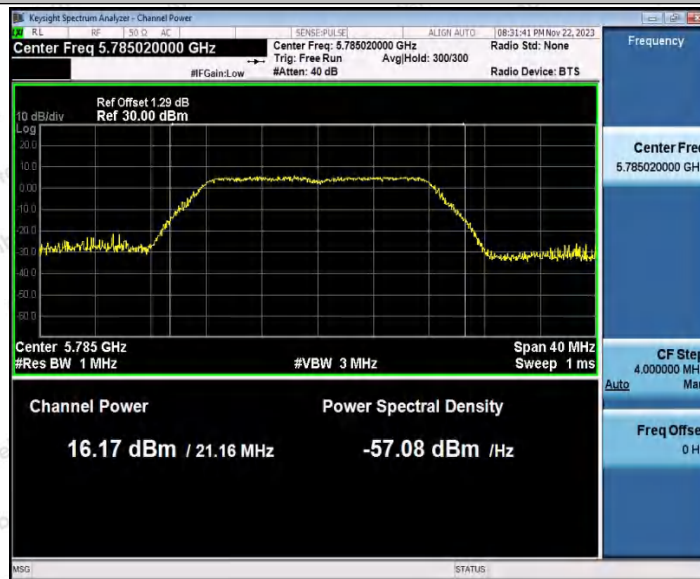
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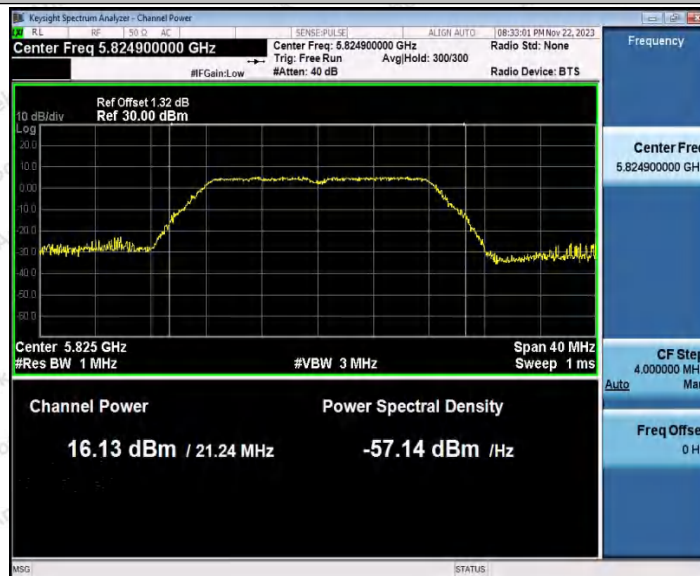
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11A_Ant1_5785



11A_Ant1_5825



11N20SISO_Ant1_5180

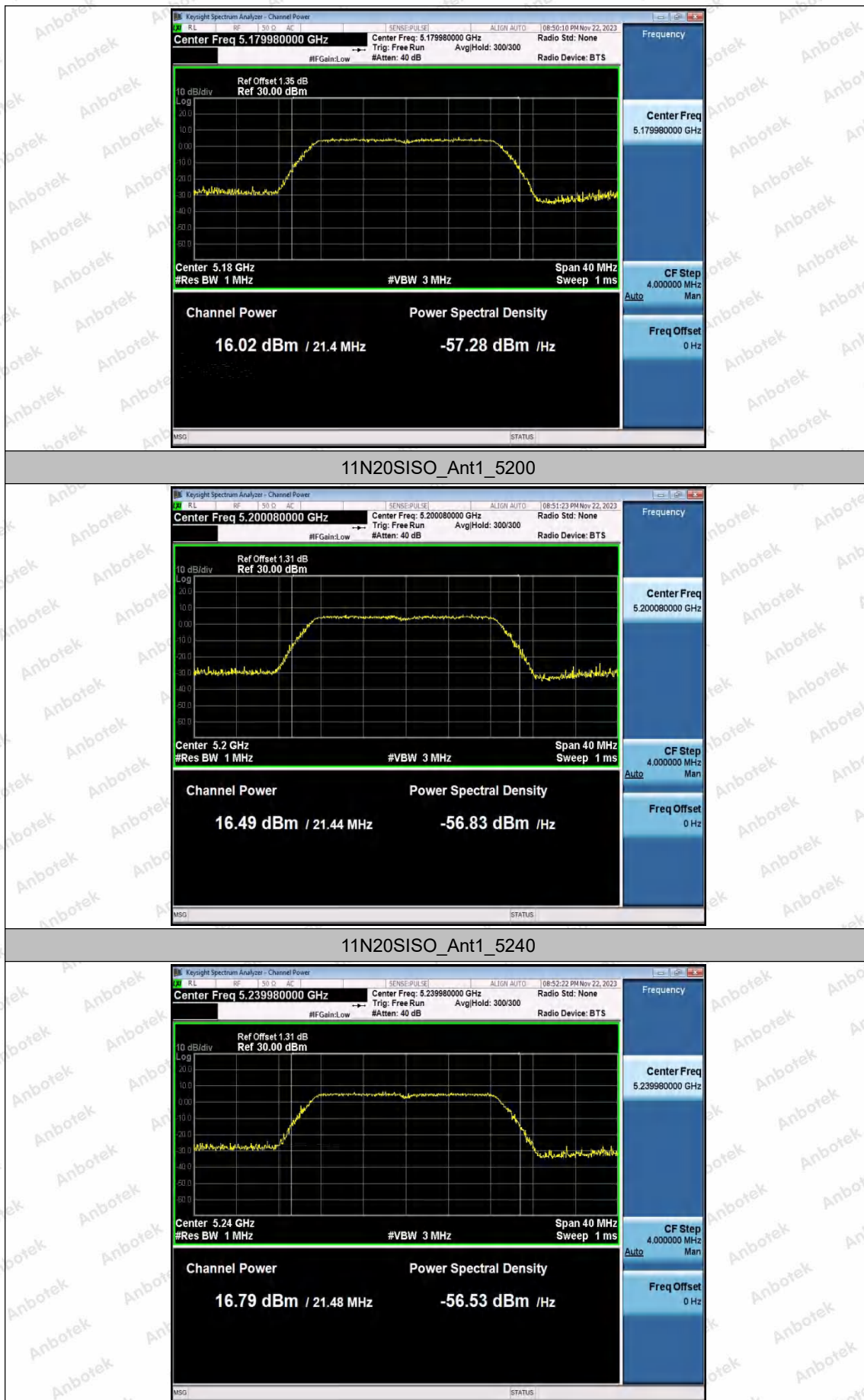
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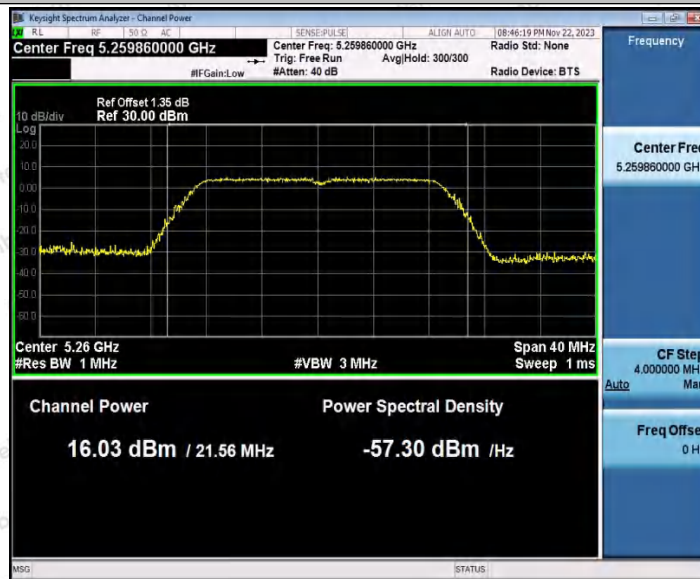
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11N20SISO_Ant1_5260



11N20SISO_Ant1_5300



11N20SISO_Ant1_5320

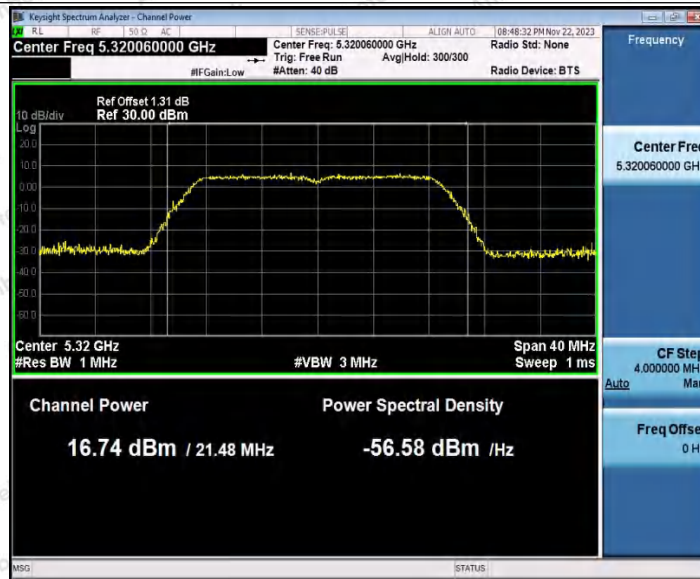
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11N20SISO_Ant1_5500



11N20SISO_Ant1_5600



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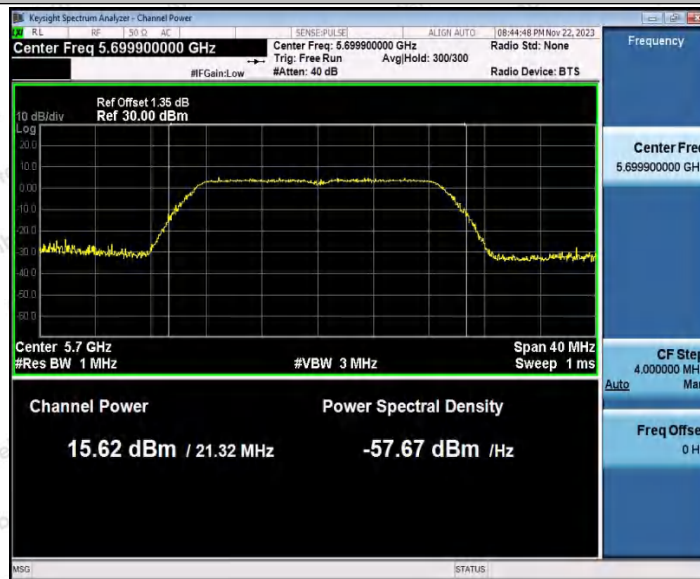
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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11N20SISO_Ant1_5700



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785

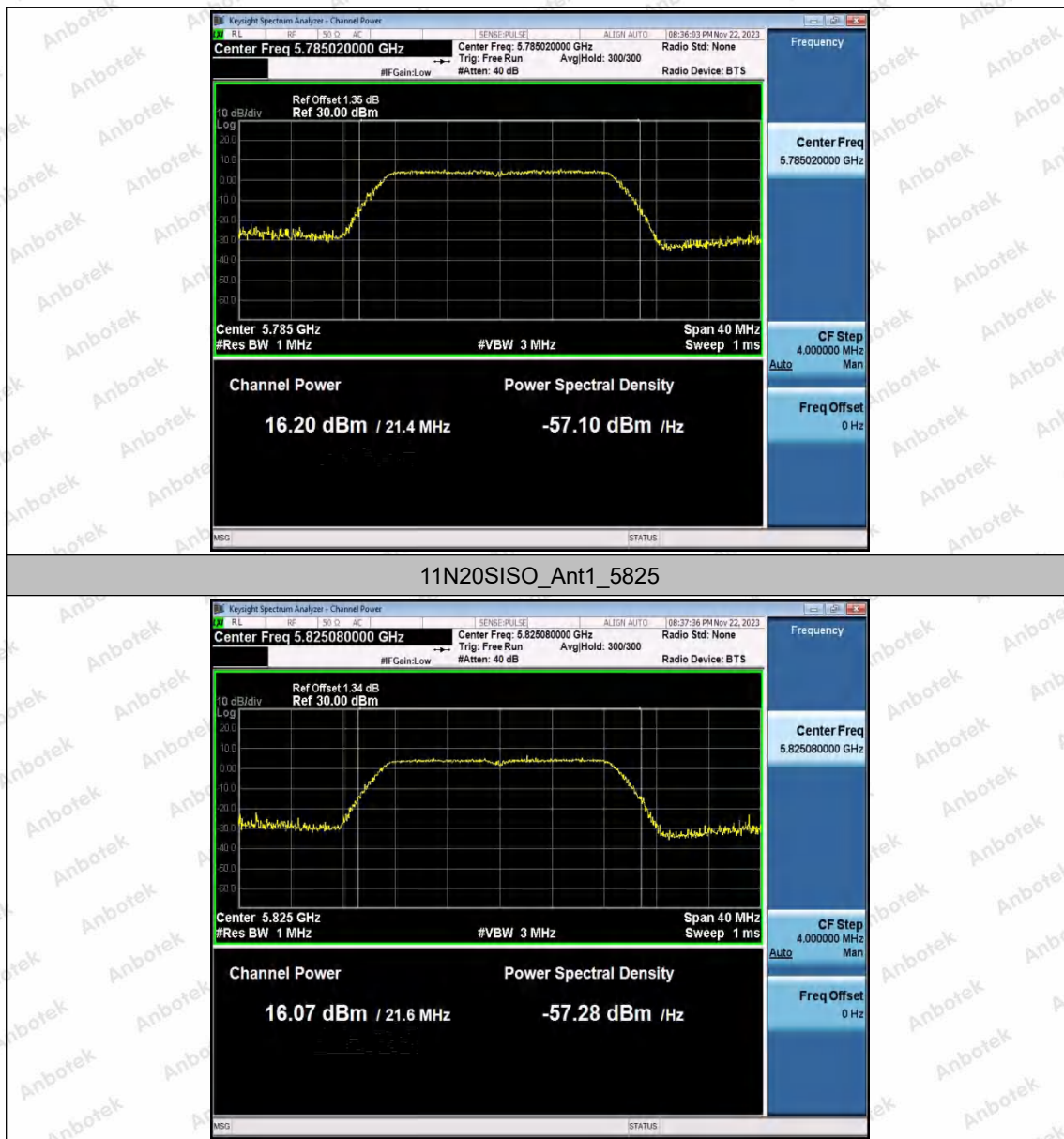
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Appendix D: Maximum power spectral density

Test Result B1/2/3

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	6.80	≤11.00	PASS
		5200	7.63	≤11.00	PASS
		5240	8.44	≤11.00	PASS
		5260	7.18	≤11.00	PASS
		5300	8.12	≤11.00	PASS
		5320	8.07	≤11.00	PASS
		5500	6.85	≤11.00	PASS
		5600	7.53	≤11.00	PASS
		5700	6.28	≤11.00	PASS
11N20SISO	Ant1	5180	6.27	≤11.00	PASS
		5200	7.40	≤11.00	PASS
		5240	7.81	≤11.00	PASS
		5260	6.49	≤11.00	PASS
		5300	7.46	≤11.00	PASS
		5320	7.68	≤11.00	PASS
		5500	6.43	≤11.00	PASS
		5600	7.07	≤11.00	PASS
		5700	6.37	≤11.00	PASS

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

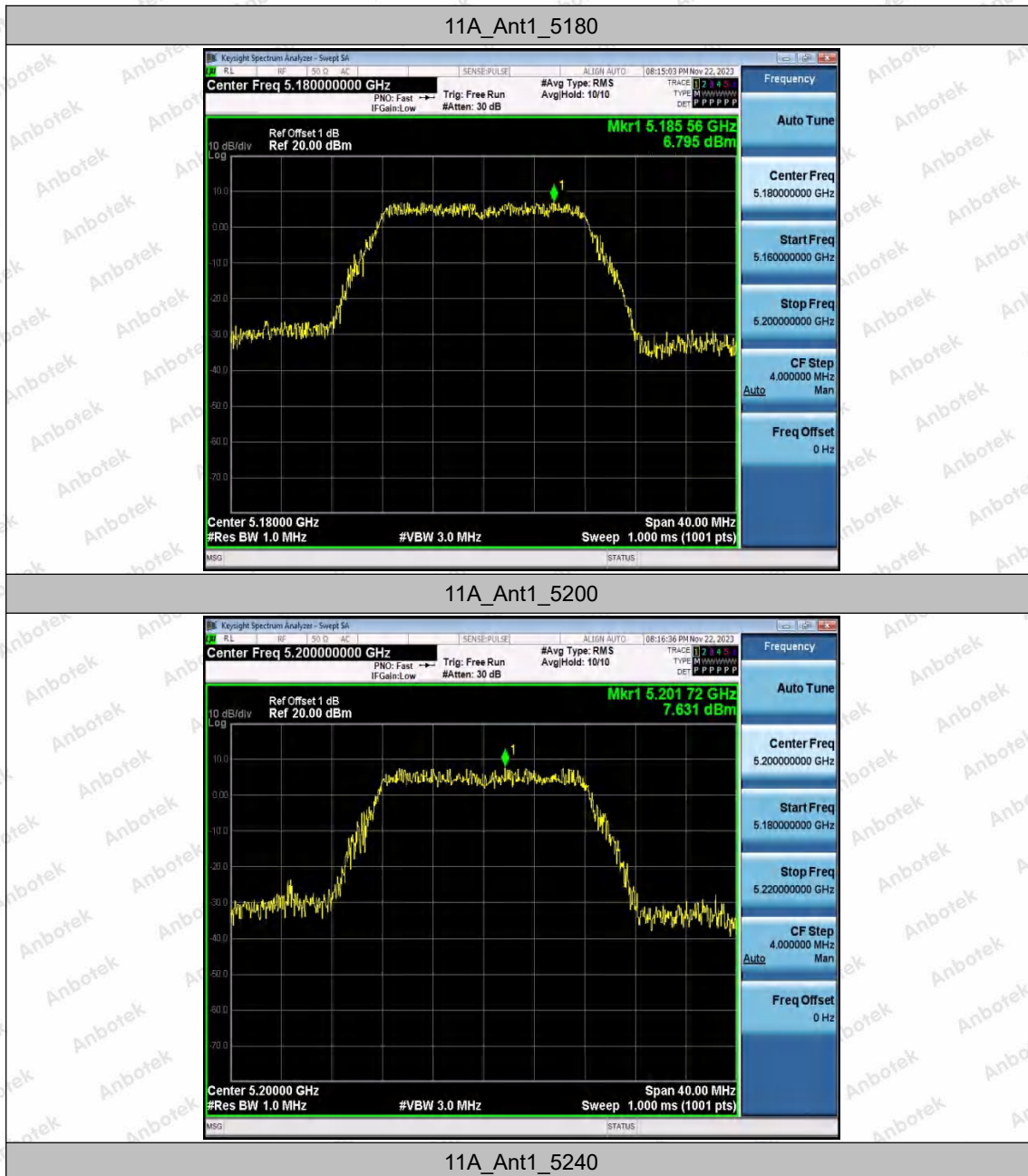
Test Result B4

TestMode	Antenna	Frequency[MHz]	Result [dBm/500KHz]	Limit[dBm/500KHz]	Verdict
11A	Ant1	5745	3.78	≤30.00	PASS
		5785	3.88	≤30.00	PASS
		5825	3.63	≤30.00	PASS
11N20SISO	Ant1	5745	3.69	≤30.00	PASS
		5785	4.47	≤30.00	PASS
		5825	3.56	≤30.00	PASS

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



Test Graphs B1/2/3



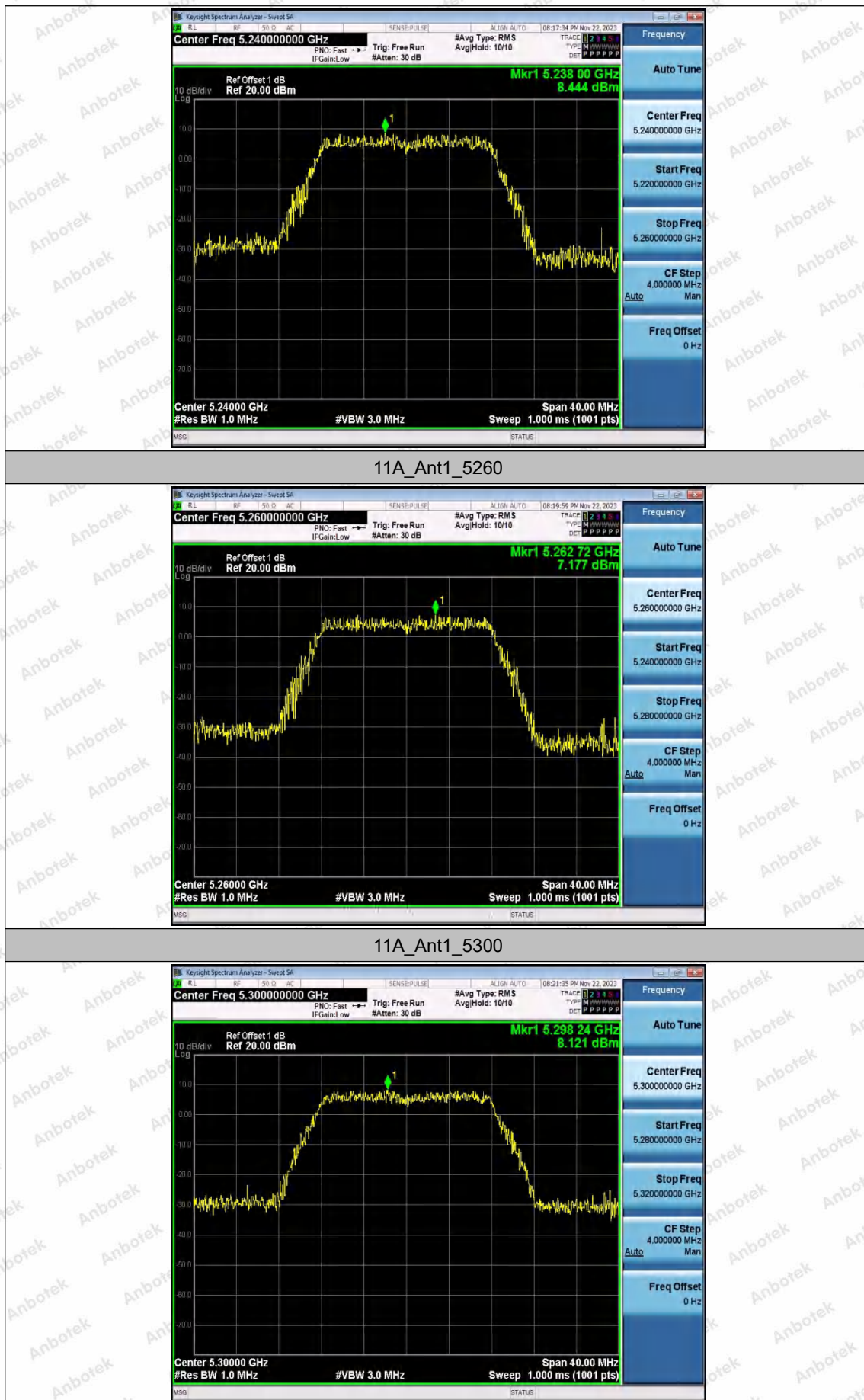
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11A_Ant1_5320



11A_Ant1_5500



11A_Ant1_5600

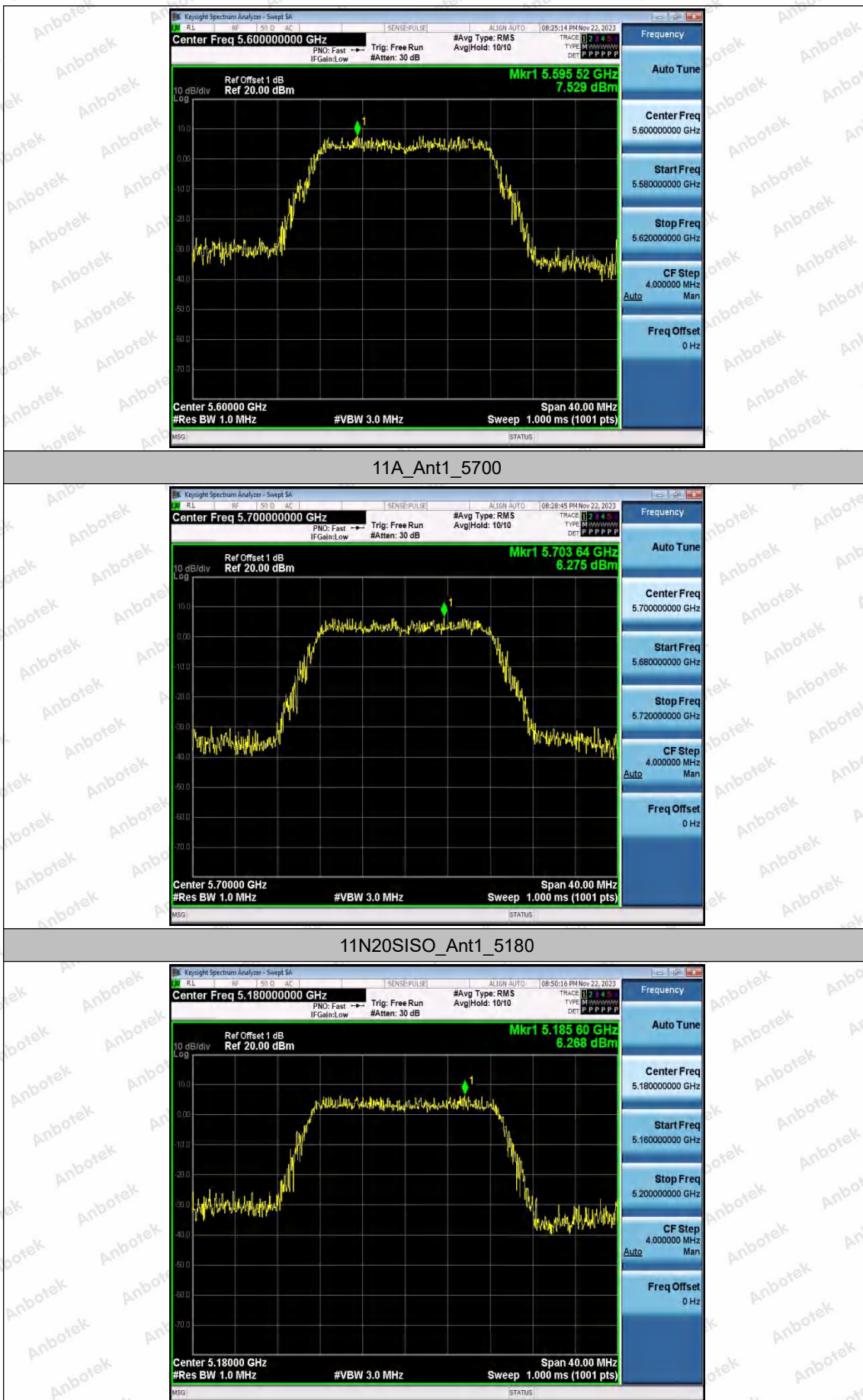
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11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N20SISO_Ant1_5260

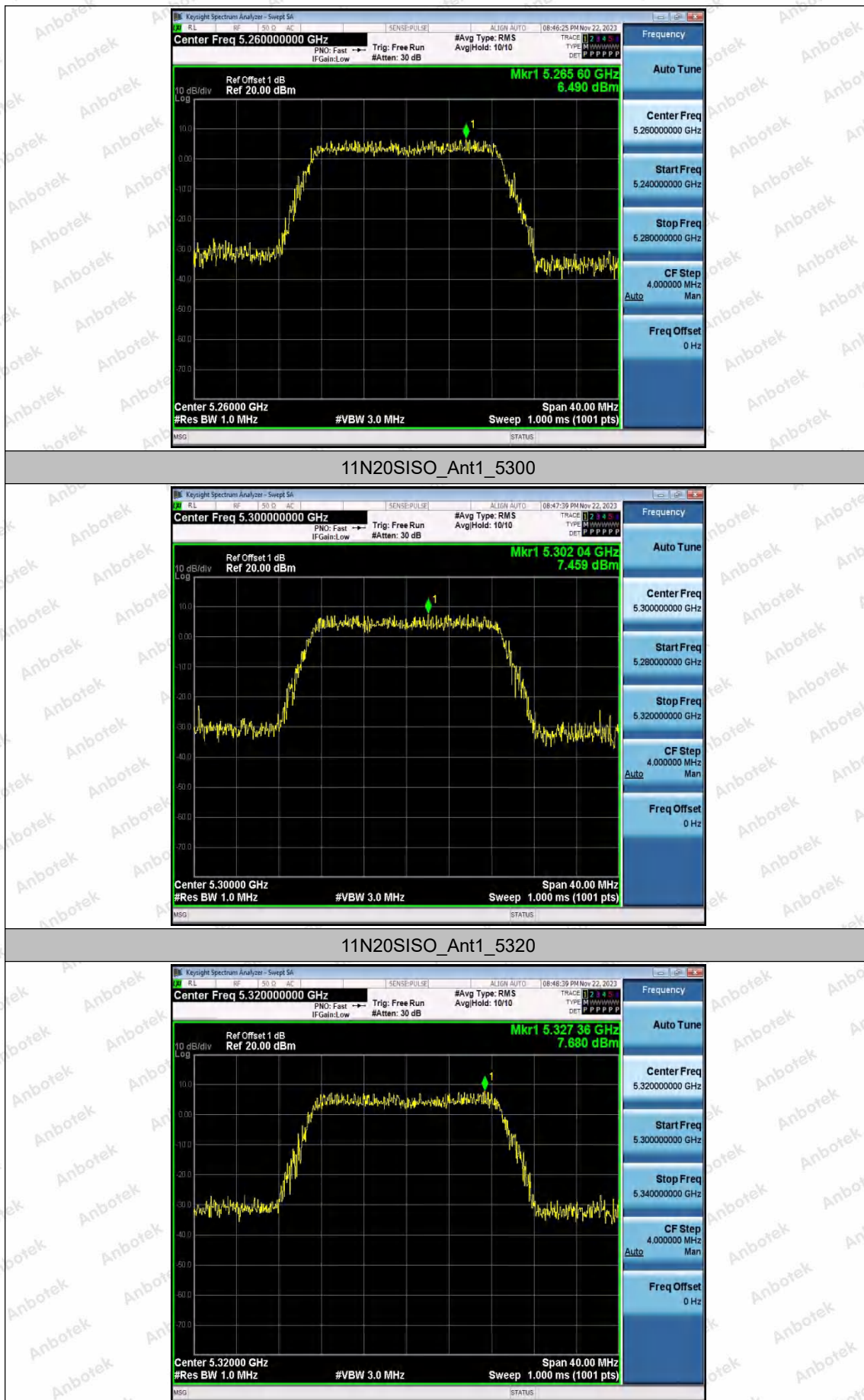
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11N20SISO_Ant1_5500



11N20SISO_Ant1_5600



11N20SISO_Ant1_5700

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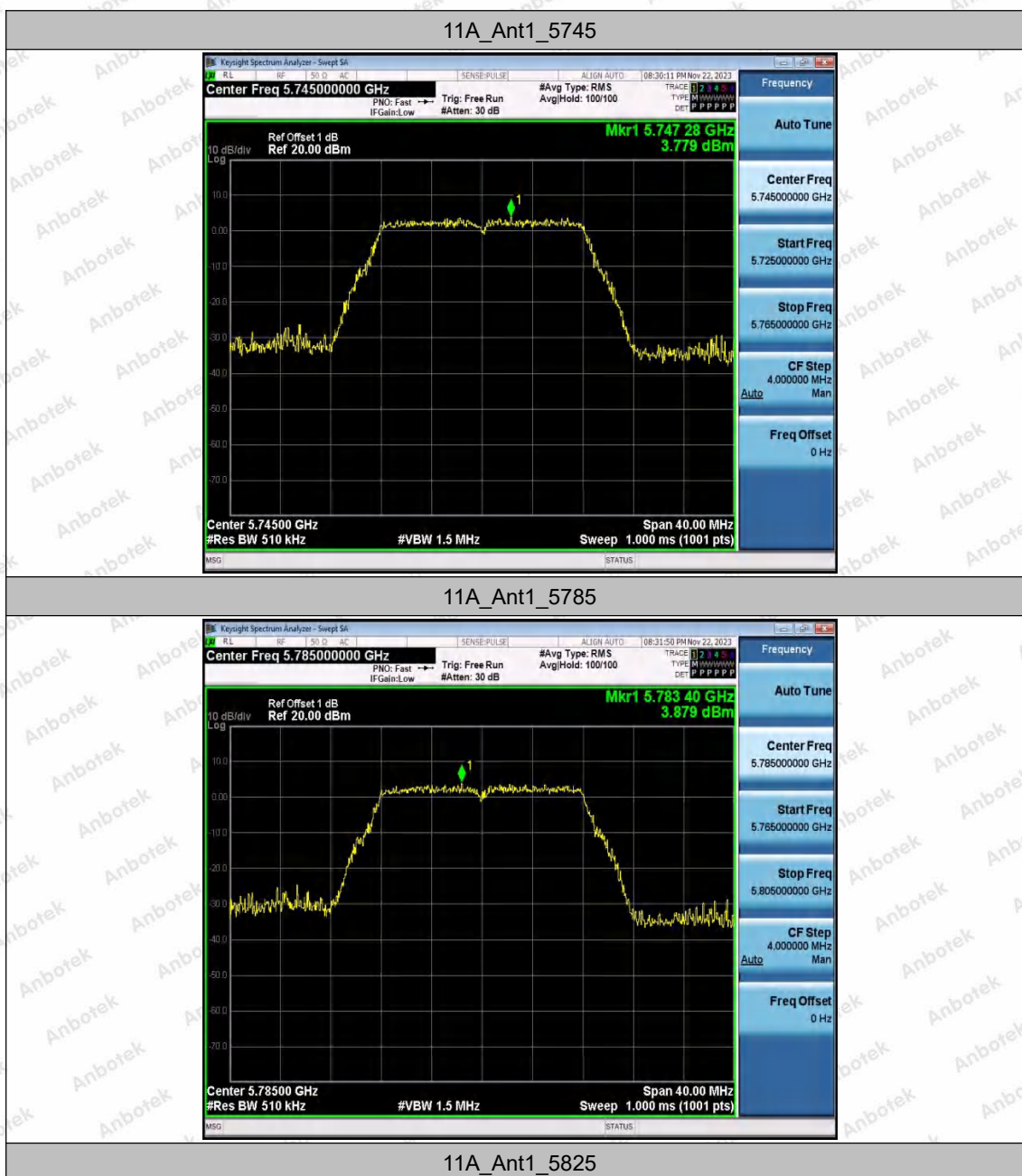
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Test Graphs B4



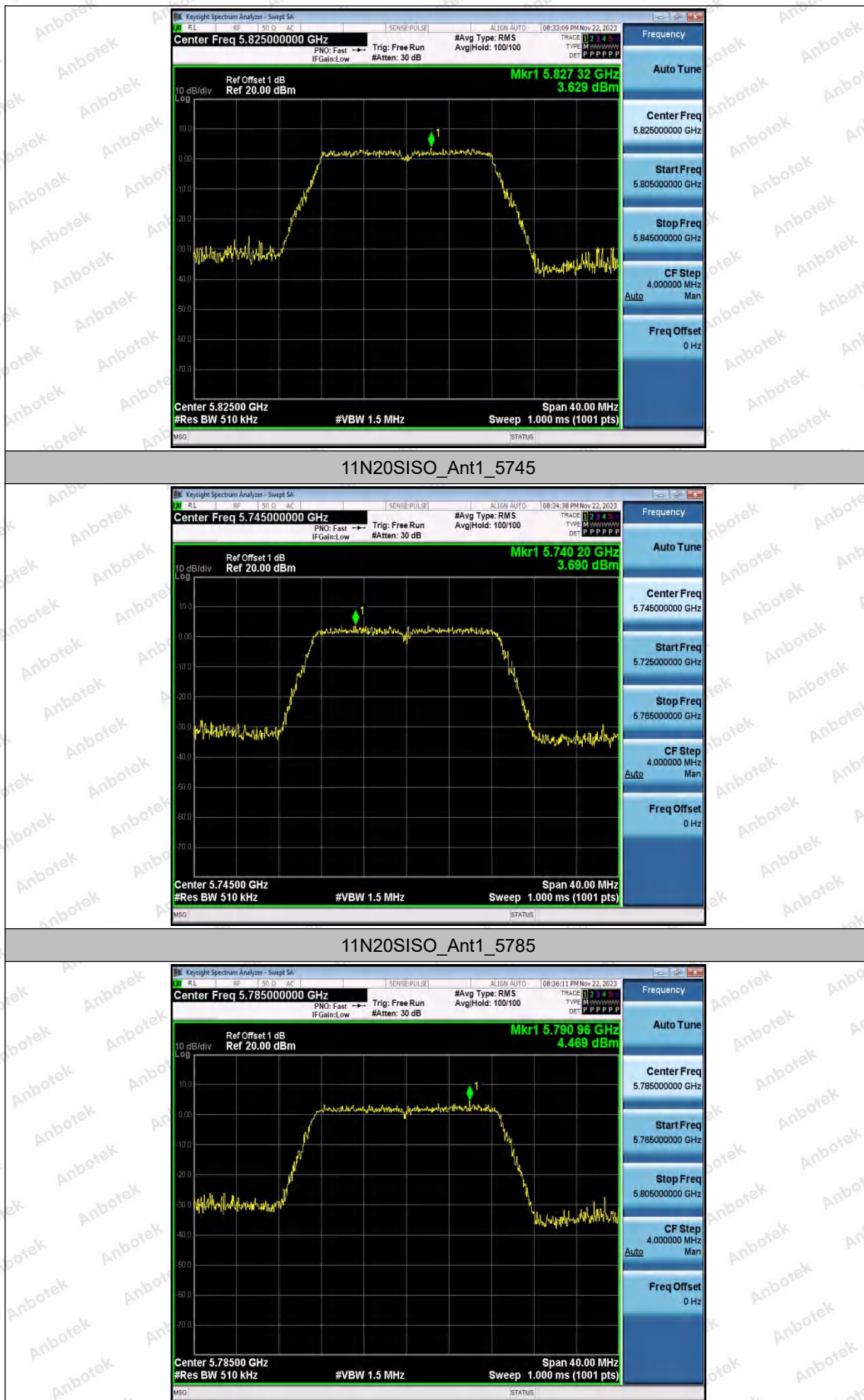
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Appendix E: Band edge measurements

Test Result B1/2/3

TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-32.78	≤-27	PASS
		High	5240	-42.98	≤-27	PASS
		Low	5260	-42.84	≤-27	PASS
		High	5320	-38.41	≤-27	PASS
		Low	5500	-38.15	≤-27	PASS
		High	5700	-39.3	≤-27	PASS
11N20SISO	Ant1	Low	5180	-31.71	≤-27	PASS
		High	5240	-43.37	≤-27	PASS
		Low	5260	-42.81	≤-27	PASS
		High	5320	-37.17	≤-27	PASS
		Low	5500	-38.06	≤-27	PASS
		High	5700	-35.89	≤-27	PASS

Test Result B4

TestMode	Antenna	ChName	Frequency[MHz]	FreqRange[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-52.37	≤3.34	PASS
				5700~5720	-47.85	≤14.02	PASS
				5720~5725	-38.73	≤26.83	PASS
				5760~5650	-58.19	≤-27	PASS
		High	5825	5850~5855	-46.93	≤16.41	PASS
				5855~5875	-47.92	≤11.38	PASS
				5875~5925	-52.17	≤-25.66	PASS
				5925~5935	-54.69	≤-27	PASS
11N20SI SO	Ant1	Low	5745	5650~5700	-53.42	≤7.34	PASS
				5700~5720	-45.91	≤15.56	PASS
				5720~5725	-38.09	≤23.42	PASS
				5760~5650	-58.35	≤-27	PASS
		High	5825	5850~5855	-45.98	≤16.10	PASS
				5855~5875	-47.69	≤10.48	PASS
				5875~5925	-52.48	≤-25.06	PASS
				5925~5935	-53.58	≤-27	PASS



Test Graphs B1/2/3

11A_Ant1_Low_5180



11A_Ant1_High_5240



11A_Ant1_Low_5260

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11A_Ant1_High_5320



11A_Ant1_High_5354



11A_Ant1_Low_5500

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11A_Ant1_High_5700



11N20SISO_Ant1_Low_5180



11N20SISO_Ant1_High_5240

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11N20SISO_Ant1_Low_5260



11N20SISO_Ant1_High_5320



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11N20SISO_Ant1_Low_5500



11N20SISO_Ant1_High_5700



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Test Graphs B4

11A_Ant1_Low_5745



11A_Ant1_High_5825



11N20SISO_Ant1_Low_5745

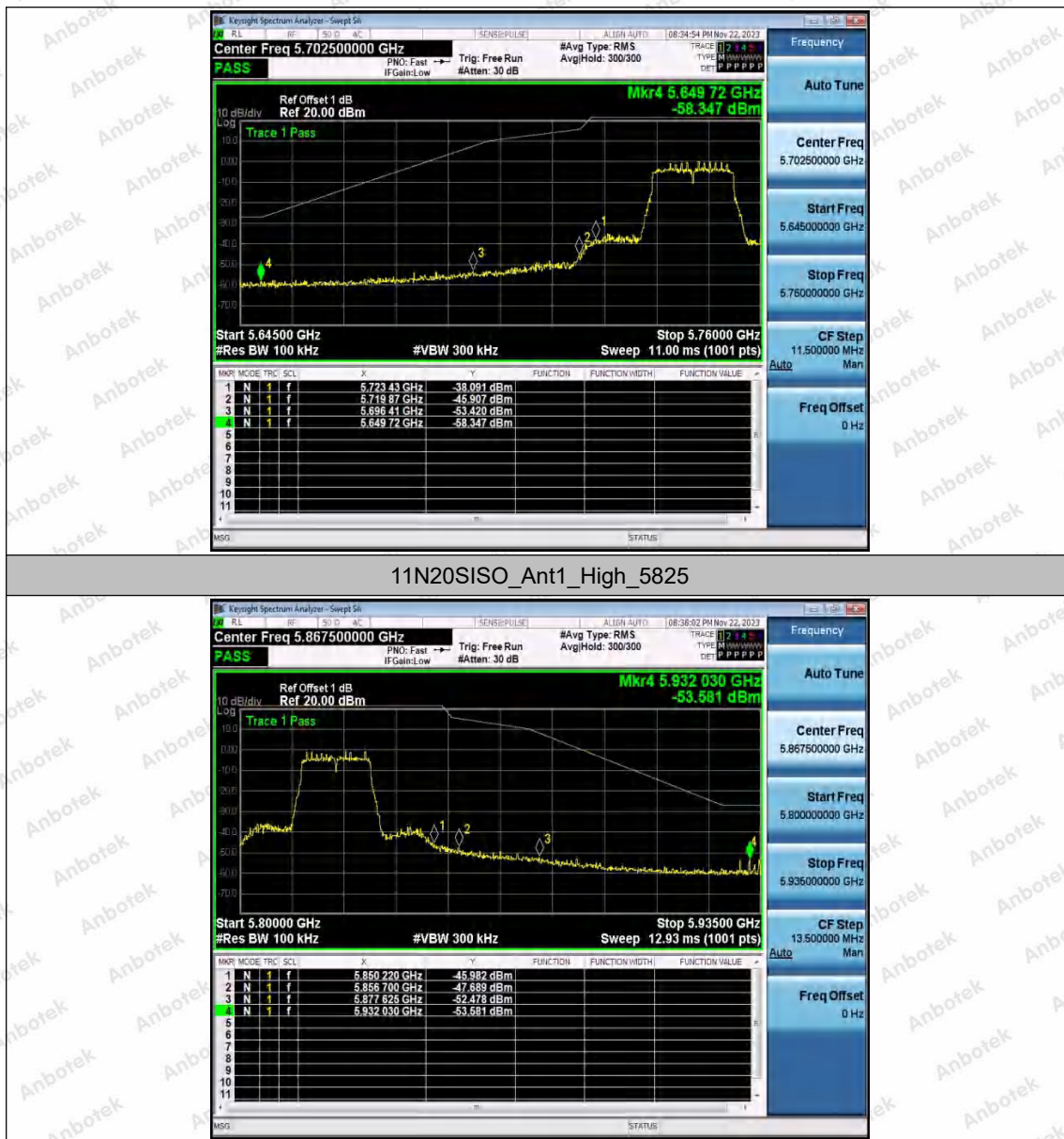
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Appendix F: DFS Detection Thresholds

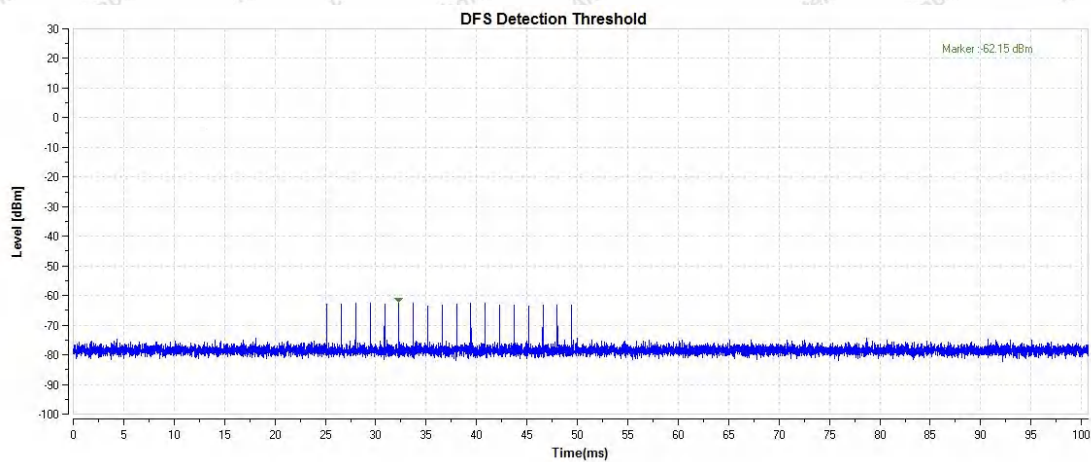
Test Result

TestMode	Frequency[dbm]	Radar Type	Result	Limit[dbm]	Verdict
11N20SISO	5320	Type0	-62.15	-62.00	PASS
11N20SISO	5700	Type0	-62.36	-62.00	PASS

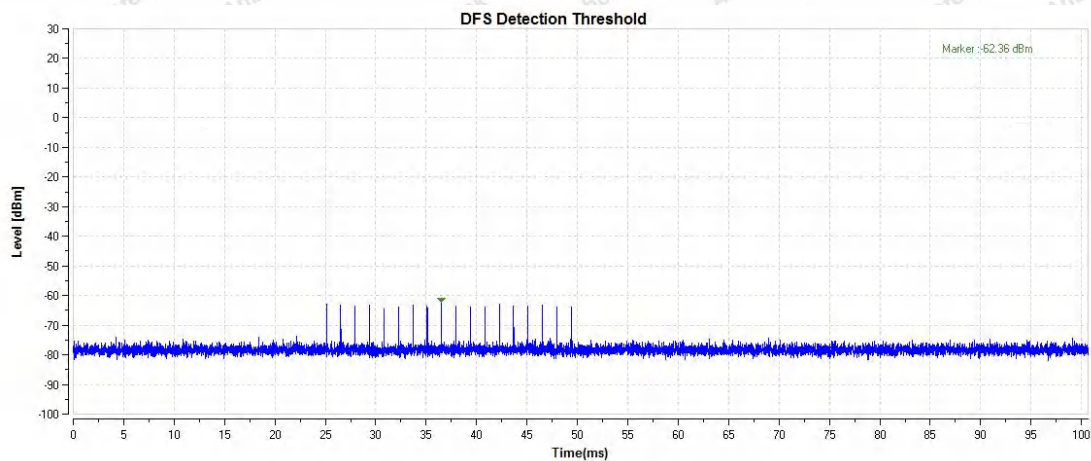


Test Graphs

11N20SISO_5320_Type0



11N20SISO_5700_Type0



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Appendix G: Channel Move Time and Channel Closing

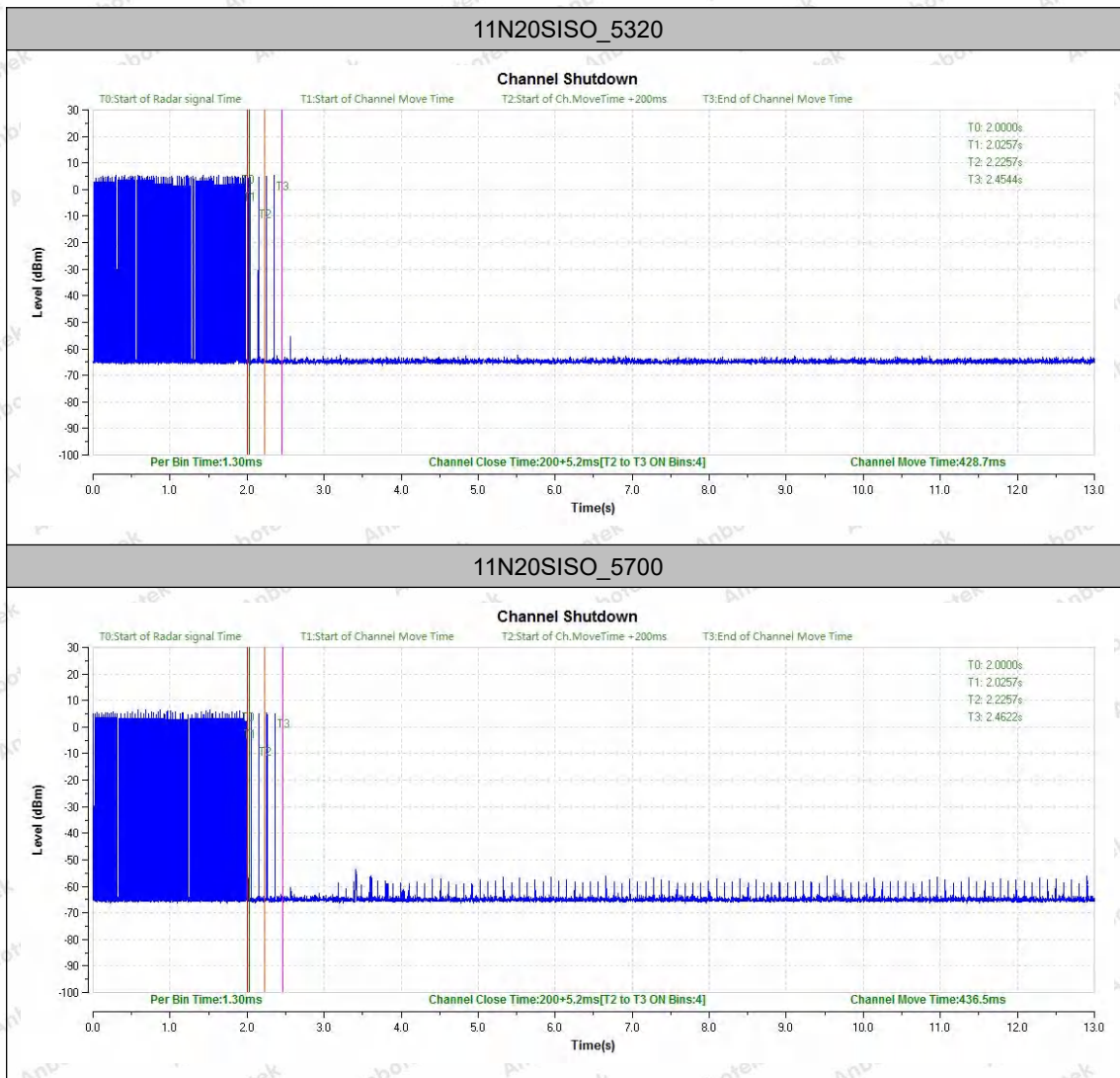
Transmission Time

Test Result

TestMode	Frequency[MHz]	CCT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11N20SISO	5320	200+5.2	200+60	428.7	10000	PASS
11N20SISO	5700	200+5.2	200+60	436.5	10000	PASS



Test Graphs



---End---

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