

Appendix Test Data

Report No.:	18220WC40097104	Test Sample No.:	1-2-2
Start Test Date:	2024.5.17	Finish Test Date:	2024.6.13
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.7°C	Relative Humidity:	47%
Pressure:	101kPa		

Appendix A1: 26dB Bandwidth

Test Result

TestMode	Antenna	Frequency [MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	19.840	5170.000	5189.840	---	---
11A	Ant1	5200	19.800	5190.200	5210.000	---	---
11A	Ant1	5240	19.560	5230.320	5249.880	---	---
11A	Ant1	5745	19.760	5735.160	5754.920	---	---
11A	Ant1	5785	20.000	5775.120	5795.120	---	---
11A	Ant1	5825	19.960	5815.080	5835.040	---	---
11N20SISO	Ant1	5180	20.040	5169.920	5189.960	---	---
11N20SISO	Ant1	5200	20.320	5189.800	5210.120	---	---
11N20SISO	Ant1	5240	20.200	5229.920	5250.120	---	---
11N20SISO	Ant1	5745	20.040	5735.080	5755.120	---	---
11N20SISO	Ant1	5785	20.240	5774.960	5795.200	---	---
11N20SISO	Ant1	5825	19.880	5815.120	5835.000	---	---
11N40SISO	Ant1	5190	40.640	5169.840	5210.480	---	---
11N40SISO	Ant1	5230	40.080	5210.080	5250.160	---	---
11N40SISO	Ant1	5755	40.240	5734.920	5775.160	---	---
11N40SISO	Ant1	5795	40.240	5774.920	5815.160	---	---
11AC20SISO	Ant1	5180	20.520	5169.720	5190.240	---	---
11AC20SISO	Ant1	5200	20.120	5190.000	5210.120	---	---
11AC20SISO	Ant1	5240	20.080	5230.040	5250.120	---	---
11AC20SISO	Ant1	5745	19.760	5735.080	5754.840	---	---
11AC20SISO	Ant1	5785	20.000	5775.040	5795.040	---	---
11AC20SISO	Ant1	5825	20.080	5814.920	5835.000	---	---
11AC40SISO	Ant1	5190	40.320	5169.920	5210.240	---	---
11AC40SISO	Ant1	5230	40.160	5210.000	5250.160	---	---
11AC40SISO	Ant1	5755	40.160	5735.160	5775.320	---	---



11AC40SISO	Ant1	5795	40.000	5775.080	5815.080	---	---
11AC80SISO	Ant1	5210	80.640	5170.000	5250.640	---	---
11AC80SISO	Ant1	5775	80.480	5735.000	5815.480	---	---

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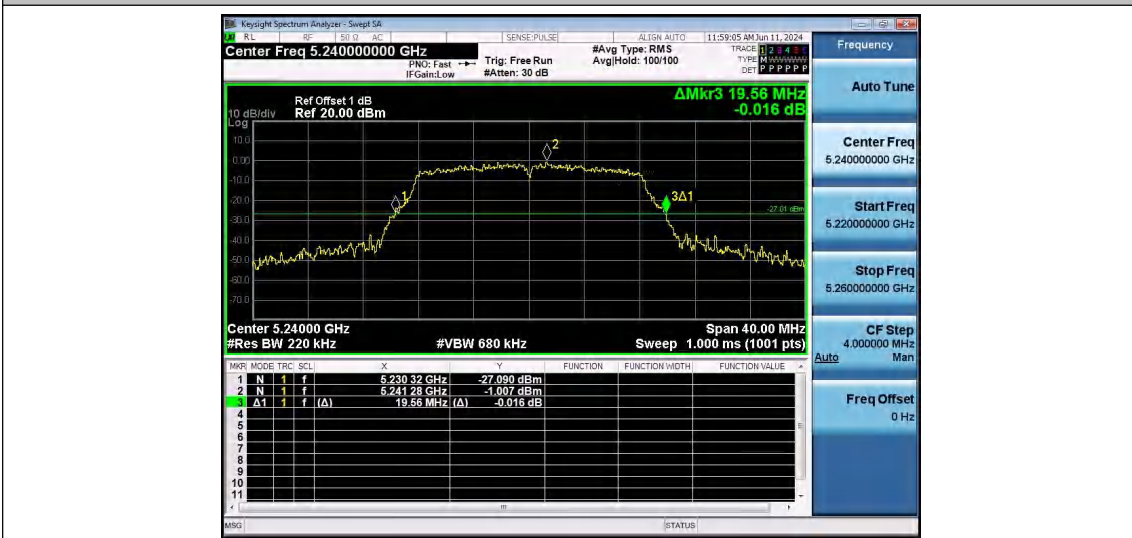
Test Graphs



11A-Ant1-5180



11A-Ant1-5200



11A-Ant1-5240

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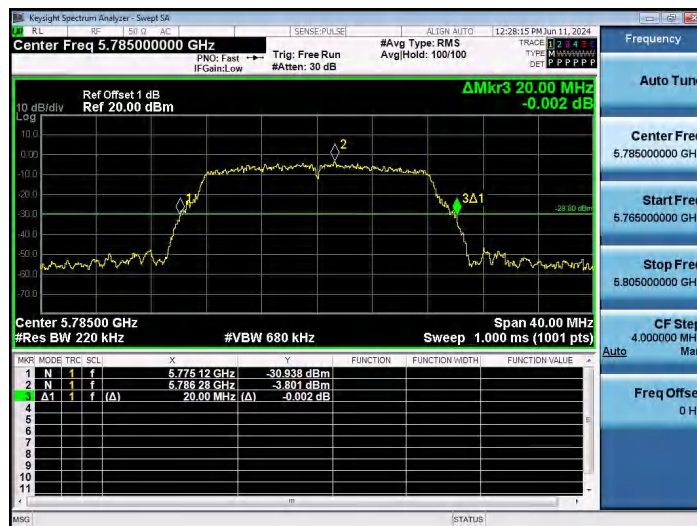
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11A-Ant1-5745



11A-Ant1-5785



11A-Ant1-5825

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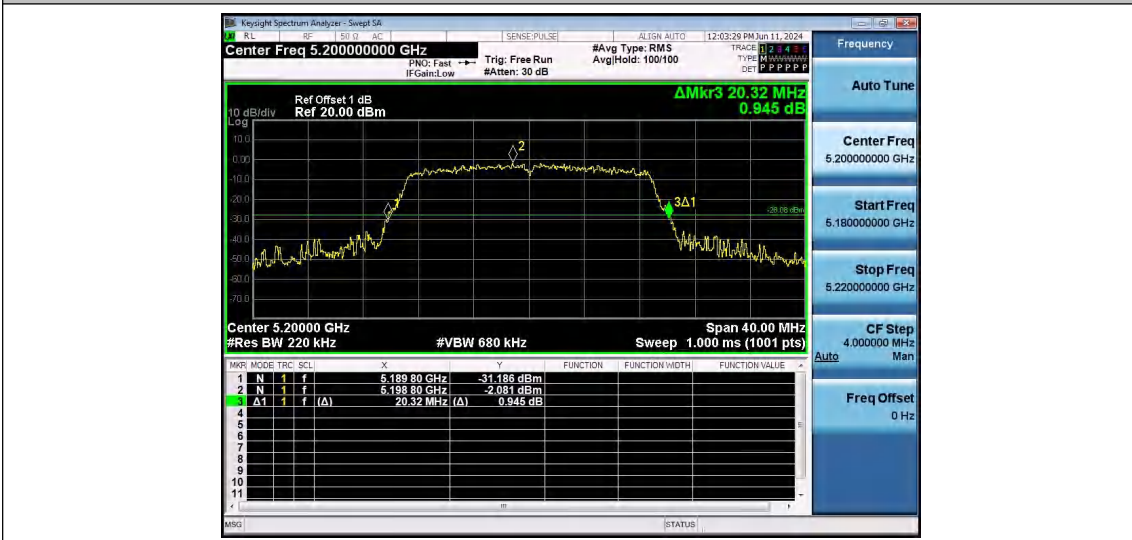
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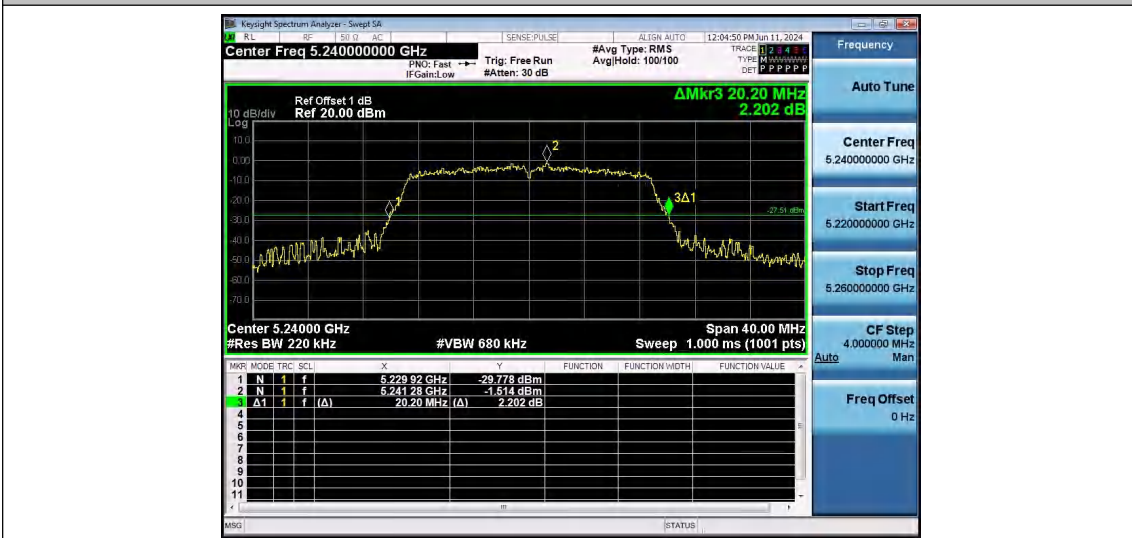




11N20SISO-Ant1-5180



11N20SISO-Ant1-5200



11N20SISO-Ant1-5240





11N20SISO-Ant1-5745



11N20SISO-Ant1-5785



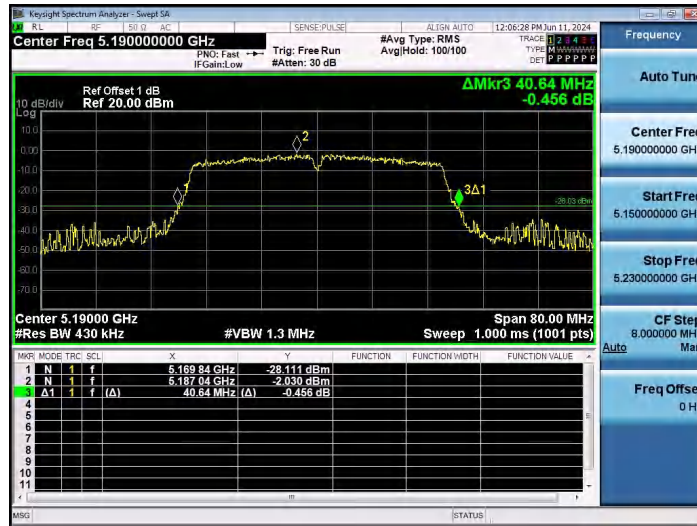
11N20SISO-Ant1-5825

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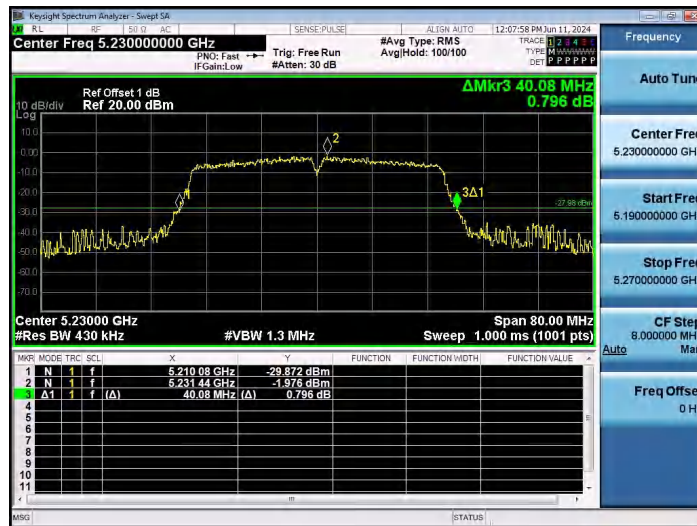
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
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11N40SISO-Ant1-5190



11N40SISO-Ant1-5230



11N40SISO-Ant1-5755

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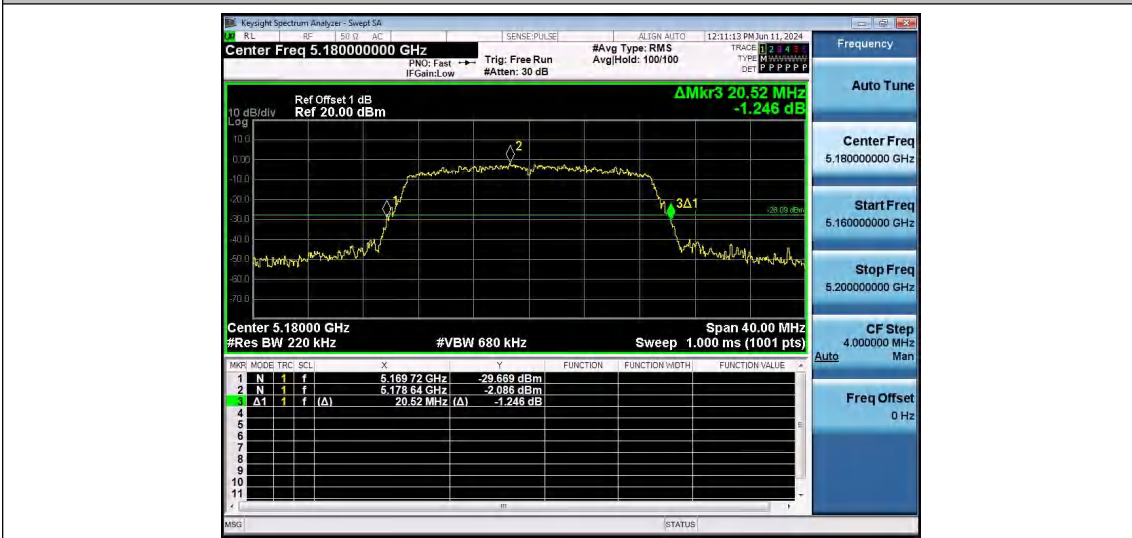
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11N40SISO-Ant1-5795



11AC20SISO-Ant1-5180



11AC20SISO-Ant1-5200

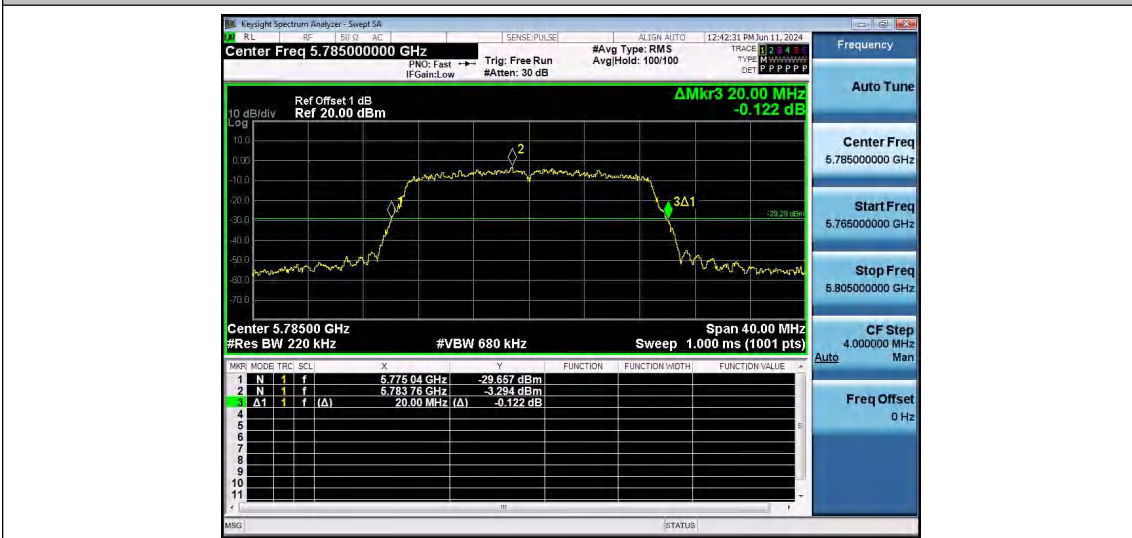




11AC20SISO-Ant1-5240



11AC20SISO-Ant1-5745



11AC20SISO-Ant1-5785





11AC20SISO-Ant1-5825



11AC40SISO-Ant1-5190



11AC40SISO-Ant1-5230

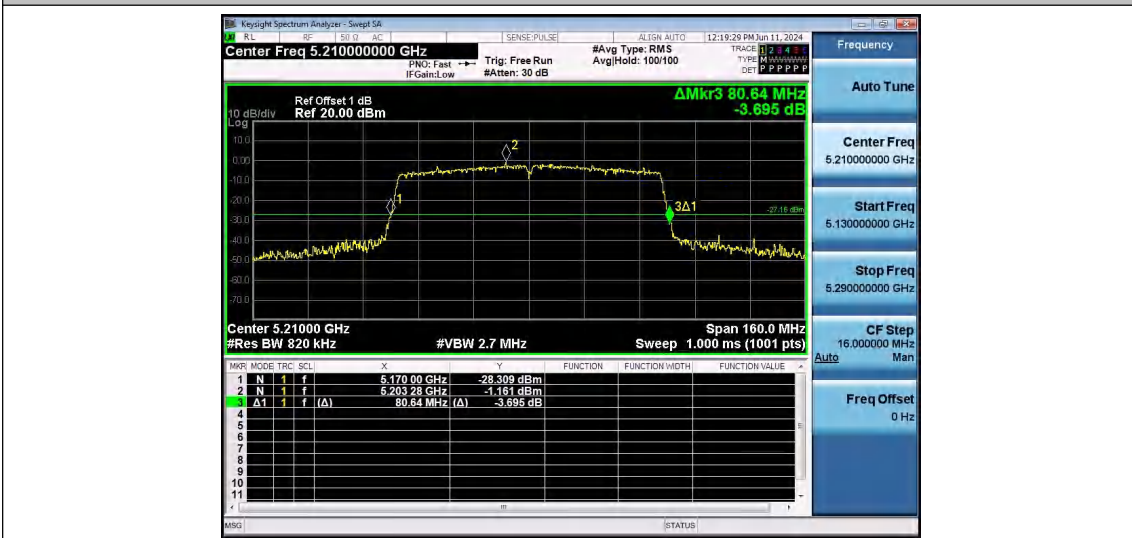




11AC40SISO-Ant1-5755



11AC40SISO-Ant1-5795



11AC80SISO-Ant1-5210

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11AC80SISO-Ant1-5775

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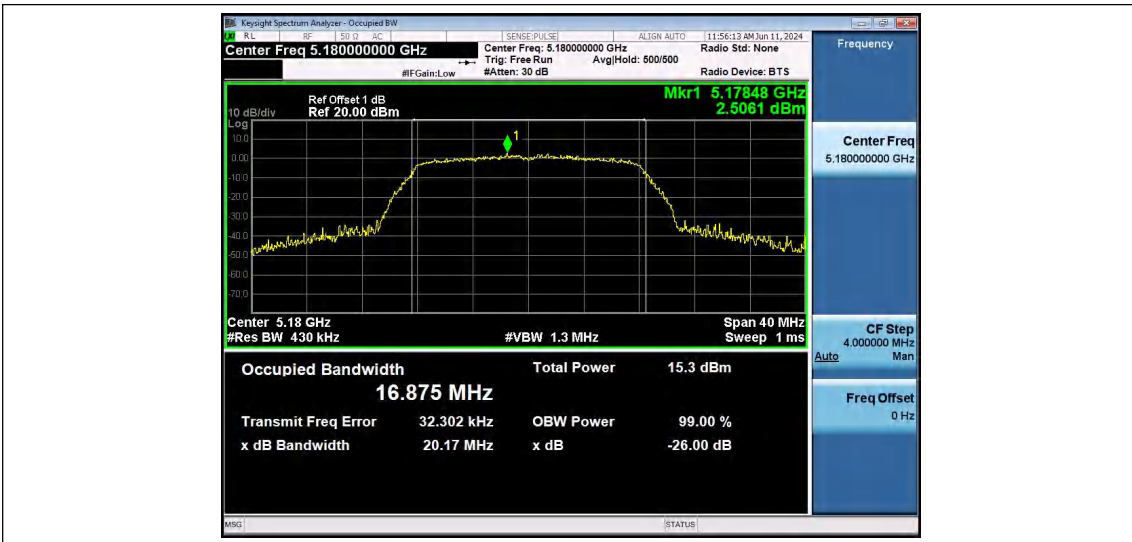
Appendix A2: 99% Occupied Bandwidth

Test Result

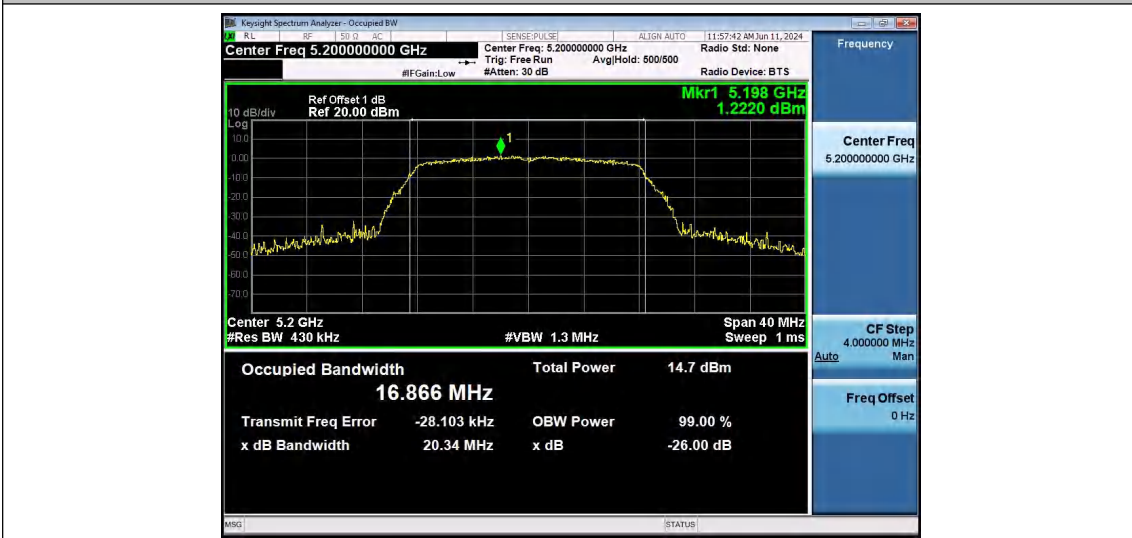
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.875	5171.5948	5188.4698	---	---
11A	Ant1	5200	16.866	5191.5389	5208.4049	---	---
11A	Ant1	5240	16.927	5231.5343	5248.4613	---	---
11A	Ant1	5745	16.860	5736.5889	5753.4489	---	---
11A	Ant1	5785	16.888	5776.5693	5793.4573	---	---
11A	Ant1	5825	16.883	5816.5847	5833.4677	---	---
11N20SISO	Ant1	5180	17.826	5171.1278	5188.9538	---	---
11N20SISO	Ant1	5200	17.843	5191.1021	5208.9451	---	---
11N20SISO	Ant1	5240	17.893	5231.0641	5248.9571	---	---
11N20SISO	Ant1	5745	17.851	5736.1120	5753.9630	---	---
11N20SISO	Ant1	5785	17.823	5776.1062	5793.9292	---	---
11N20SISO	Ant1	5825	17.886	5816.0799	5833.9659	---	---
11N40SISO	Ant1	5190	36.246	5171.8891	5208.1351	---	---
11N40SISO	Ant1	5230	36.316	5211.9276	5248.2436	---	---
11N40SISO	Ant1	5755	36.319	5736.9134	5773.2324	---	---
11N40SISO	Ant1	5795	36.266	5777.0035	5813.2695	---	---
11AC20SISO	Ant1	5180	17.834	5171.1201	5188.9541	---	---
11AC20SISO	Ant1	5200	17.819	5191.1088	5208.9278	---	---
11AC20SISO	Ant1	5240	17.789	5231.1158	5248.9048	---	---
11AC20SISO	Ant1	5745	17.811	5736.0903	5753.9013	---	---
11AC20SISO	Ant1	5785	17.828	5776.0927	5793.9207	---	---
11AC20SISO	Ant1	5825	17.811	5816.1120	5833.9230	---	---
11AC40SISO	Ant1	5190	36.212	5171.9753	5208.1873	---	---
11AC40SISO	Ant1	5230	36.267	5211.9546	5248.2216	---	---
11AC40SISO	Ant1	5755	36.196	5737.0393	5773.2353	---	---
11AC40SISO	Ant1	5795	36.293	5776.9666	5813.2596	---	---
11AC80SISO	Ant1	5210	75.181	5172.6287	5247.8097	---	---
11AC80SISO	Ant1	5775	75.135	5737.7191	5812.8541	---	---



Test Graphs



11A-Ant1-5180



11A-Ant1-5200



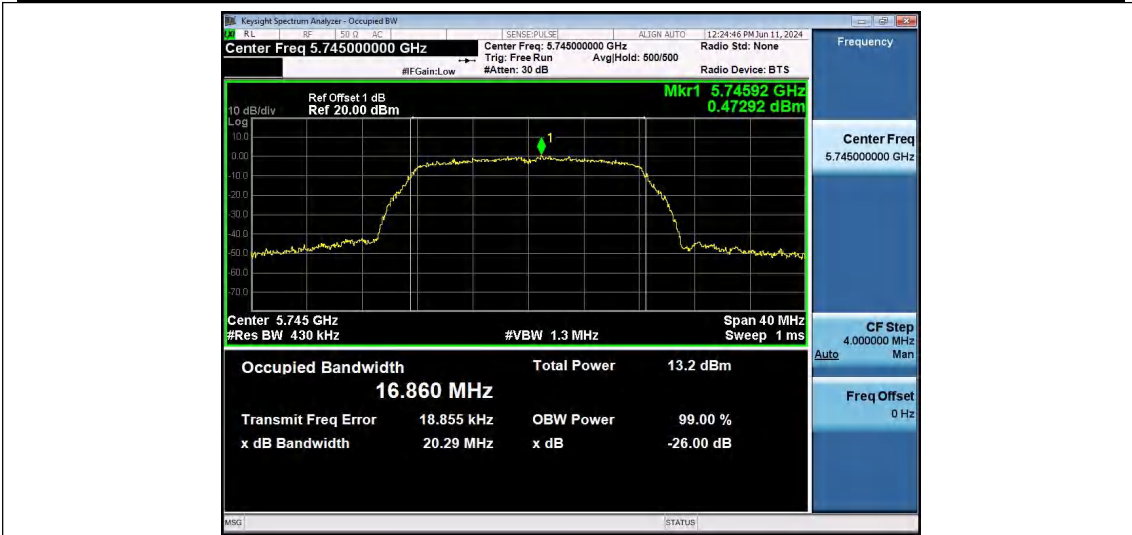
11A-Ant1-5240

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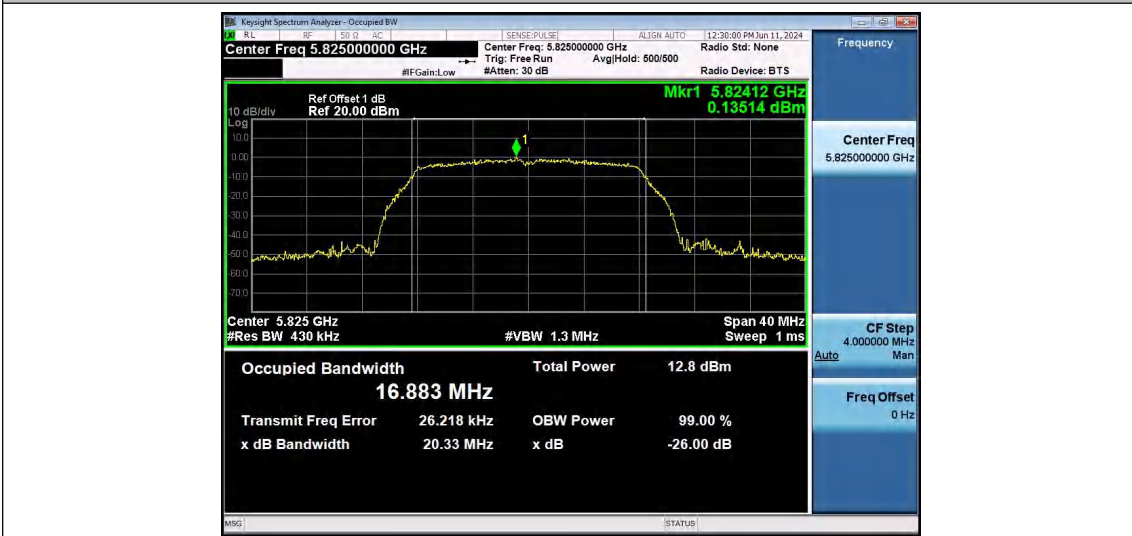




11A-Ant1-5745

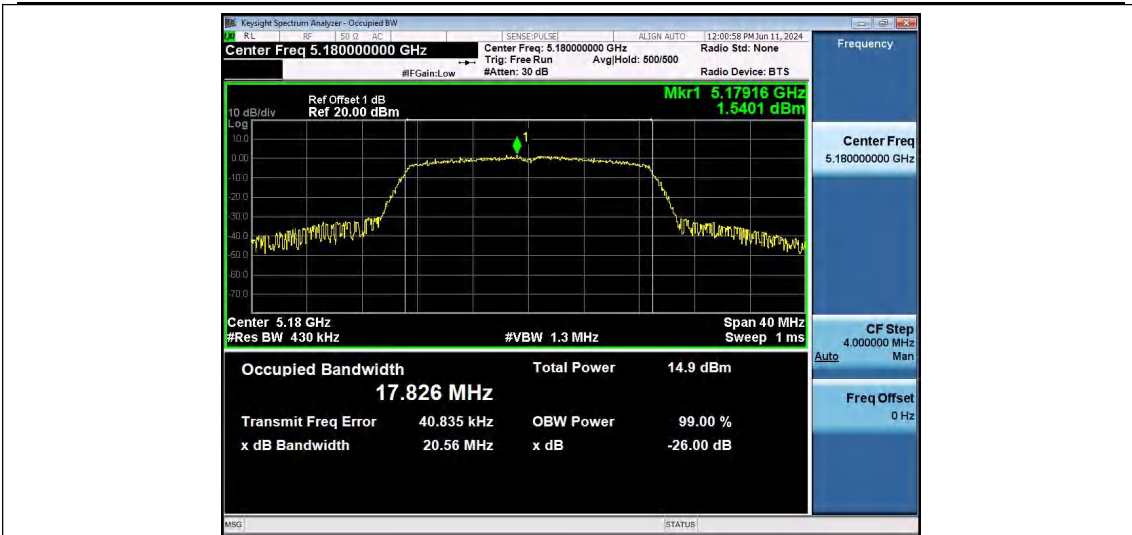


11A-Ant1-5785

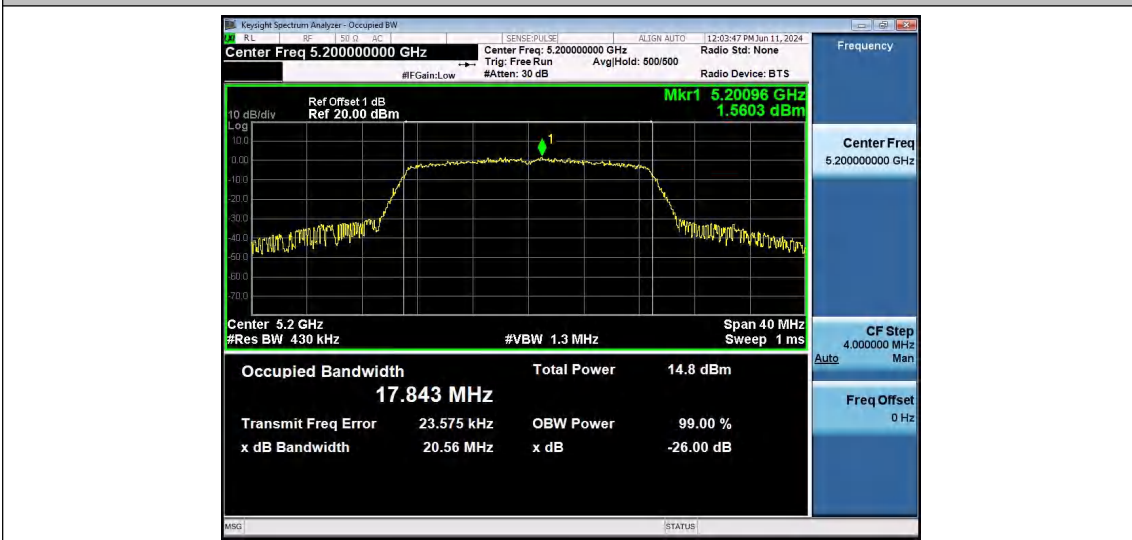


11A-Ant1-5825





11N20SISO-Ant1-5180



11N20SISO-Ant1-5200



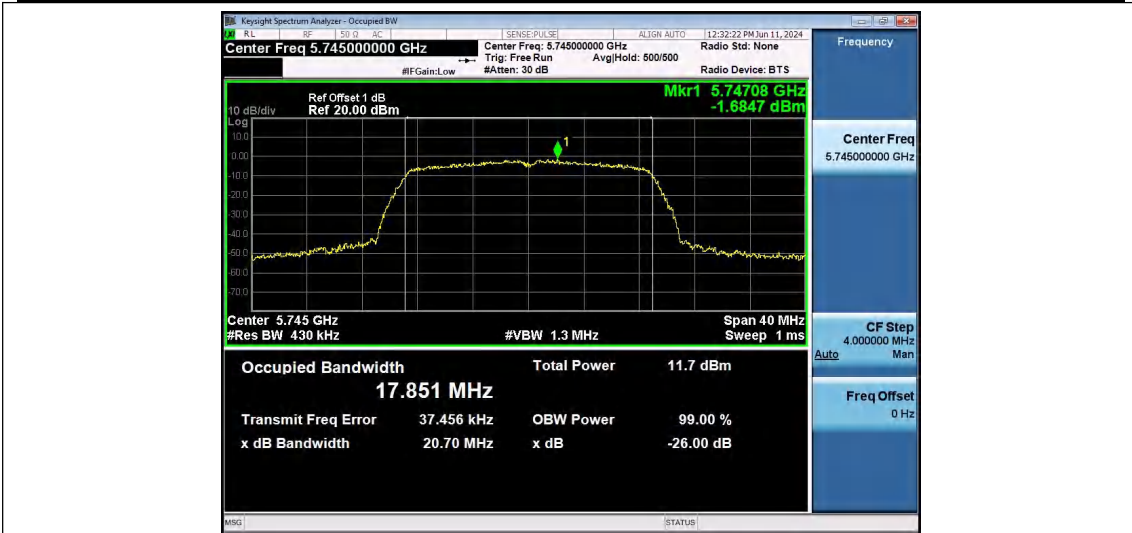
11N20SISO-Ant1-5240

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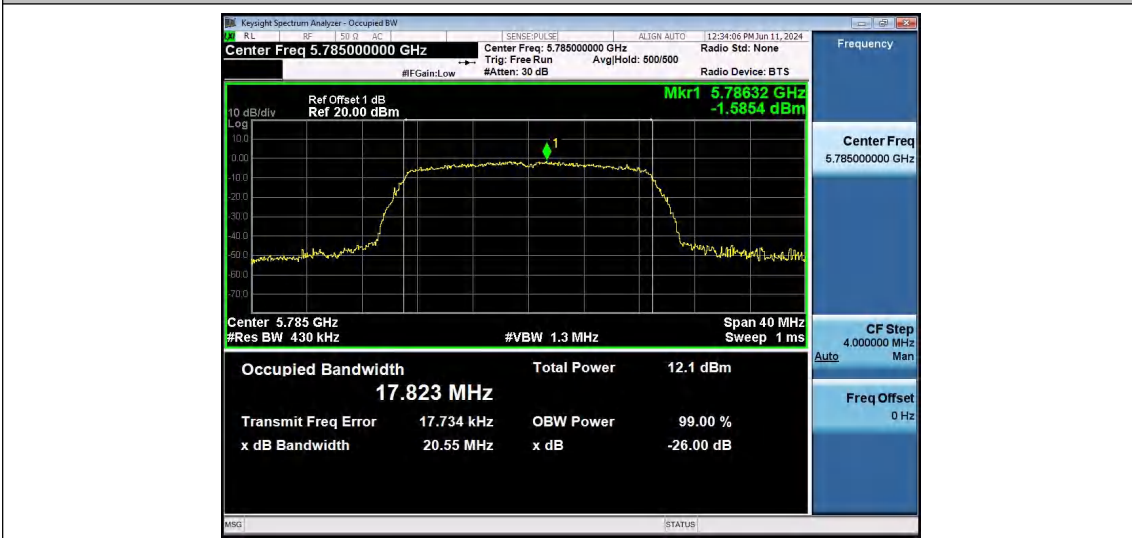
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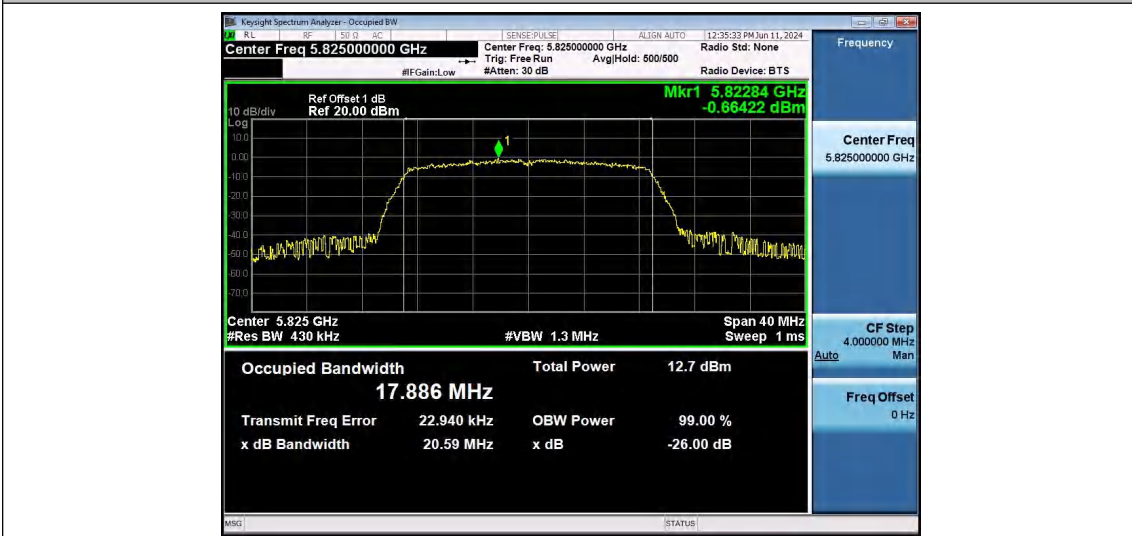




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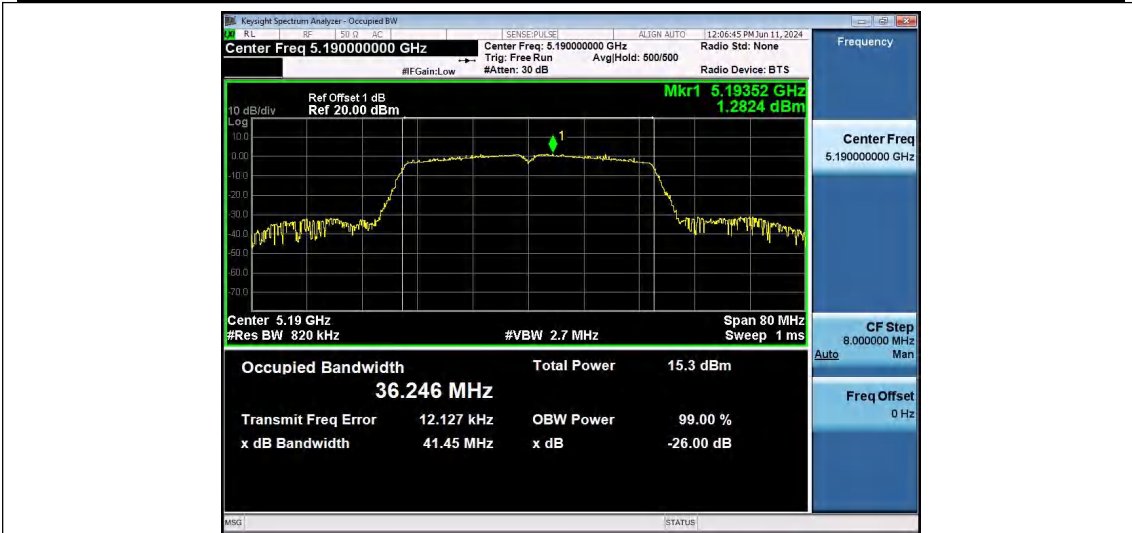


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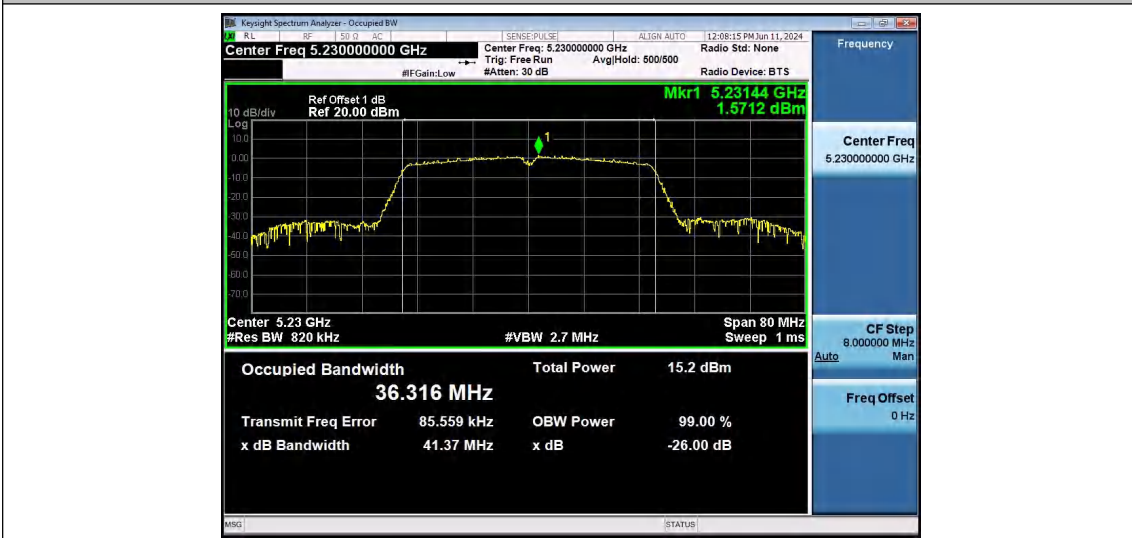


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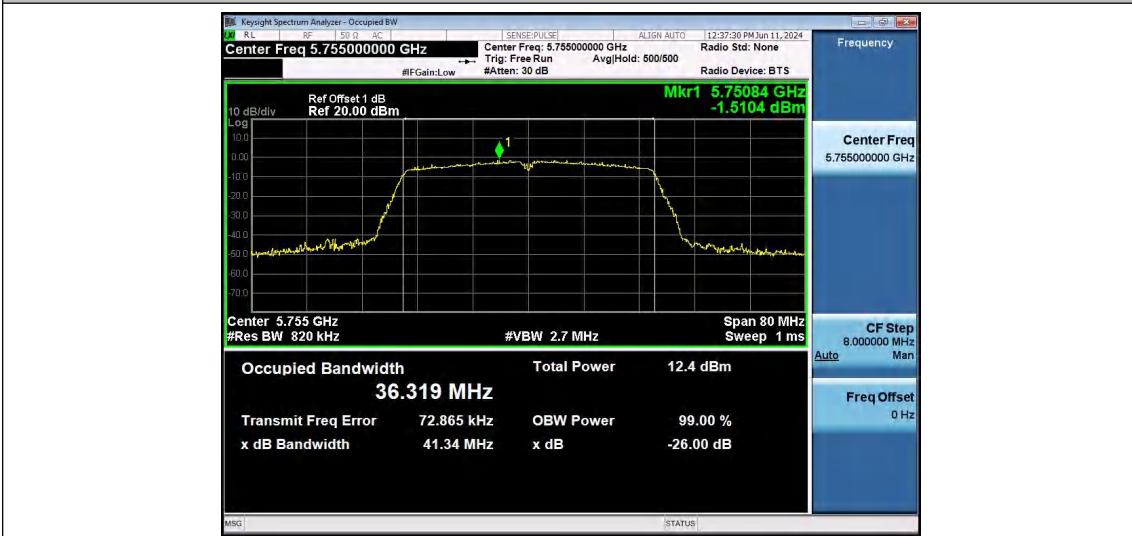




11N40SISO-Ant1-5190

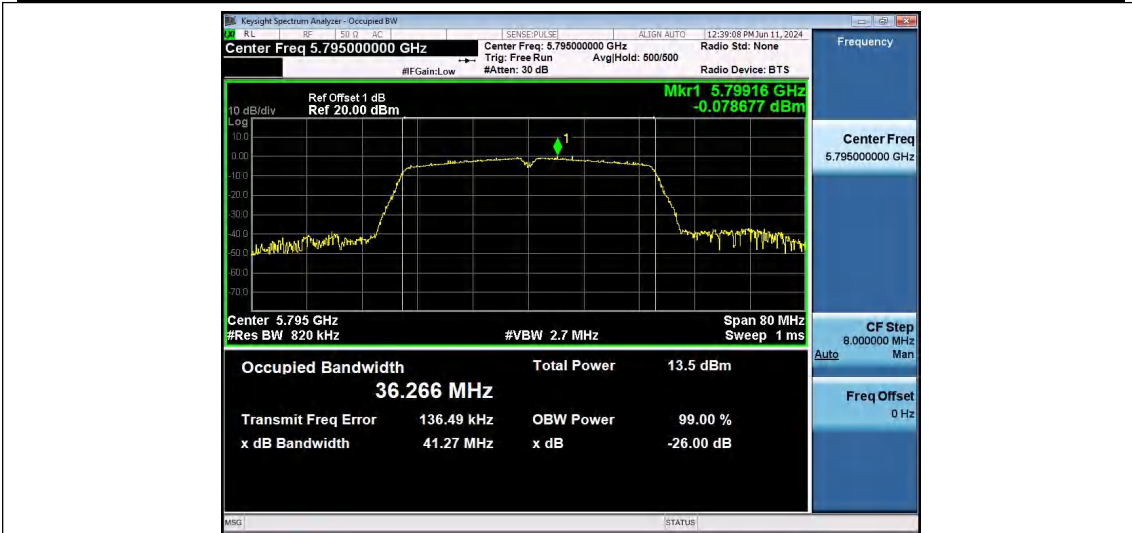


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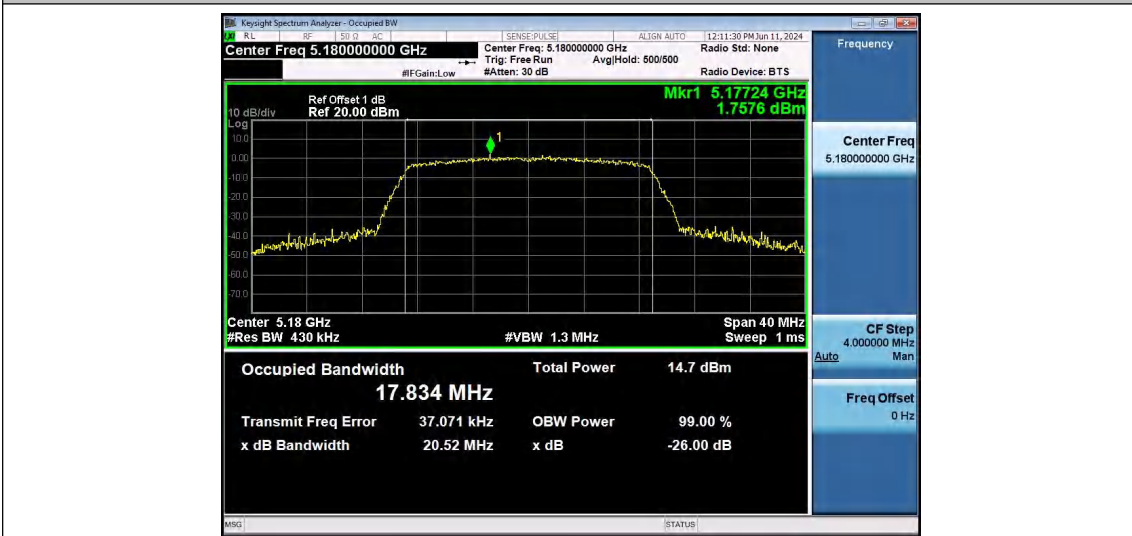


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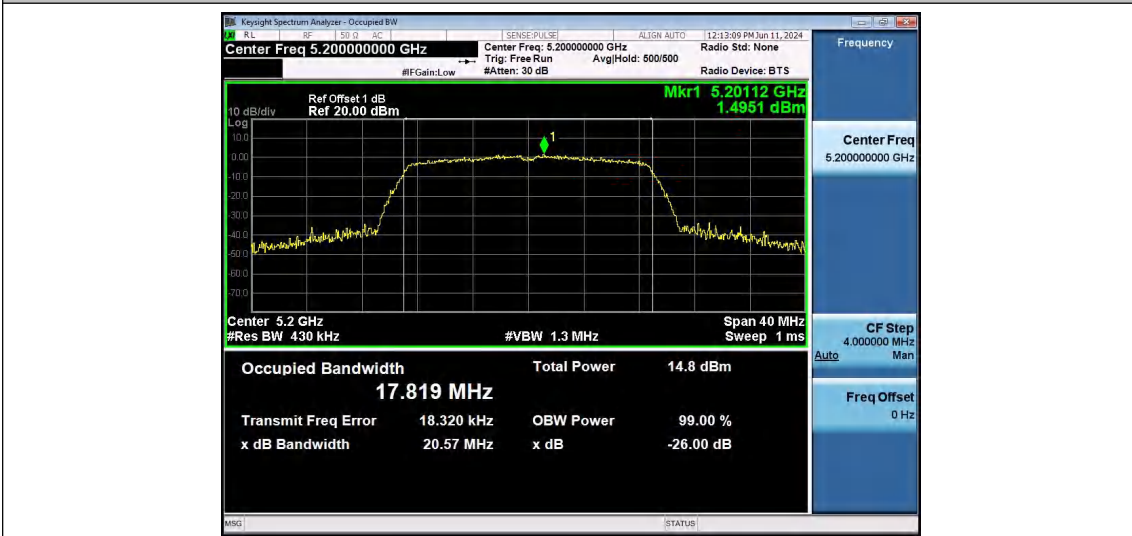




11N40SISO-Ant1-5795



11AC20SISO-Ant1-5180



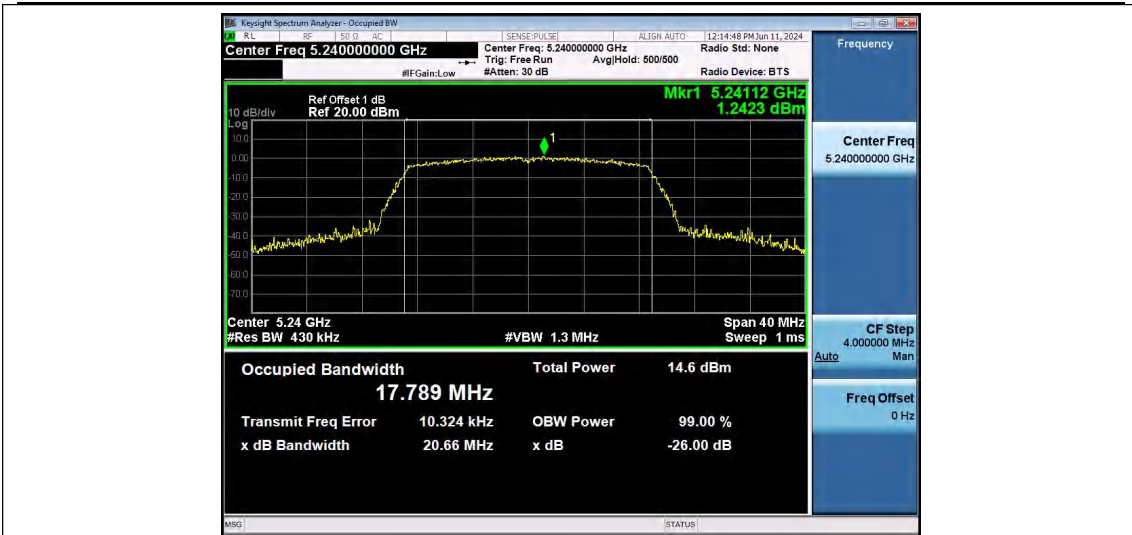
11AC20SISO-Ant1-5200

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11AC20SISO-Ant1-5240



11AC20SISO-Ant1-5745



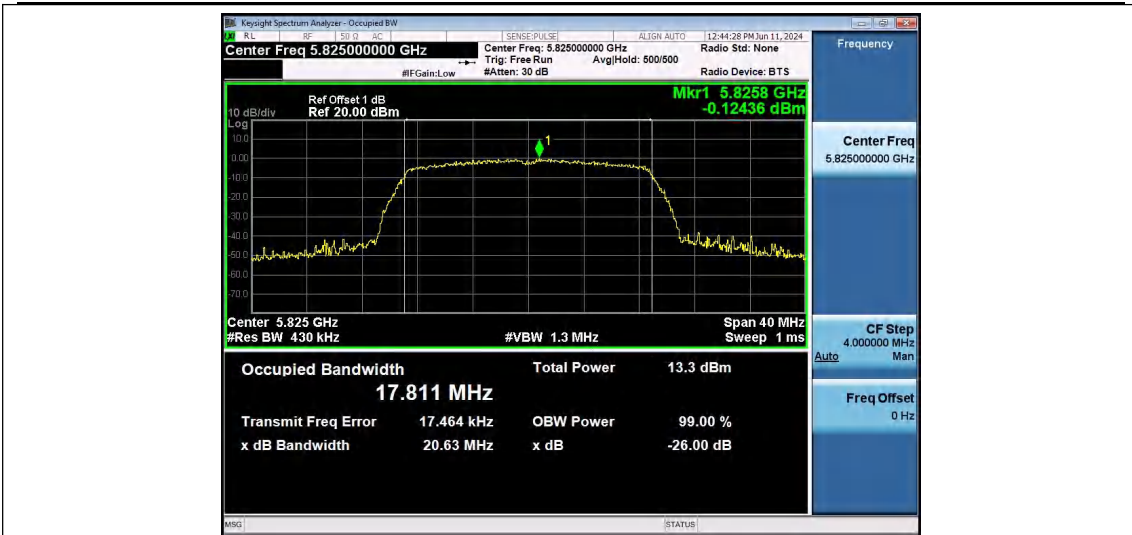
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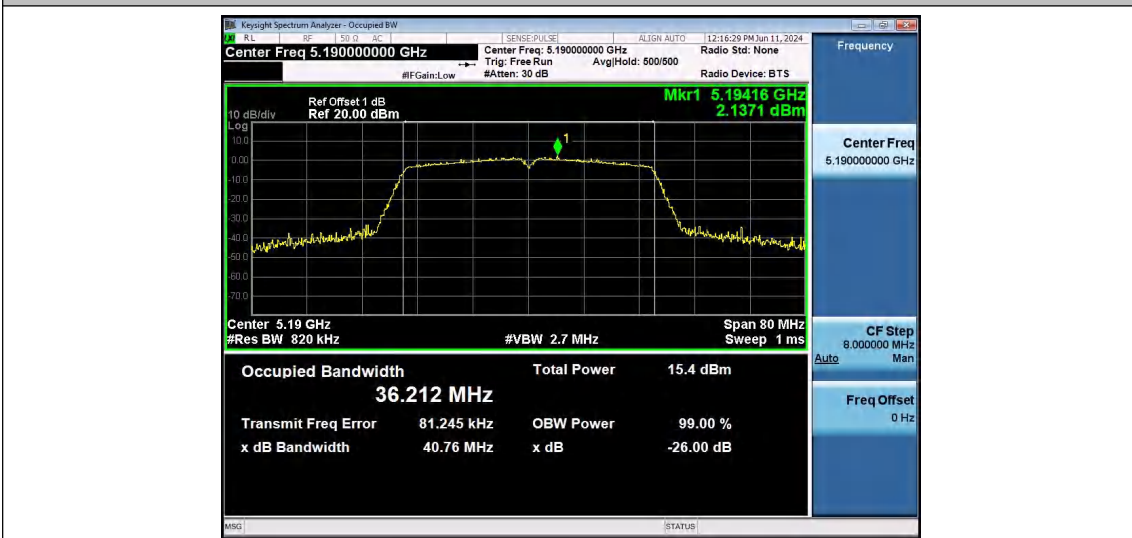
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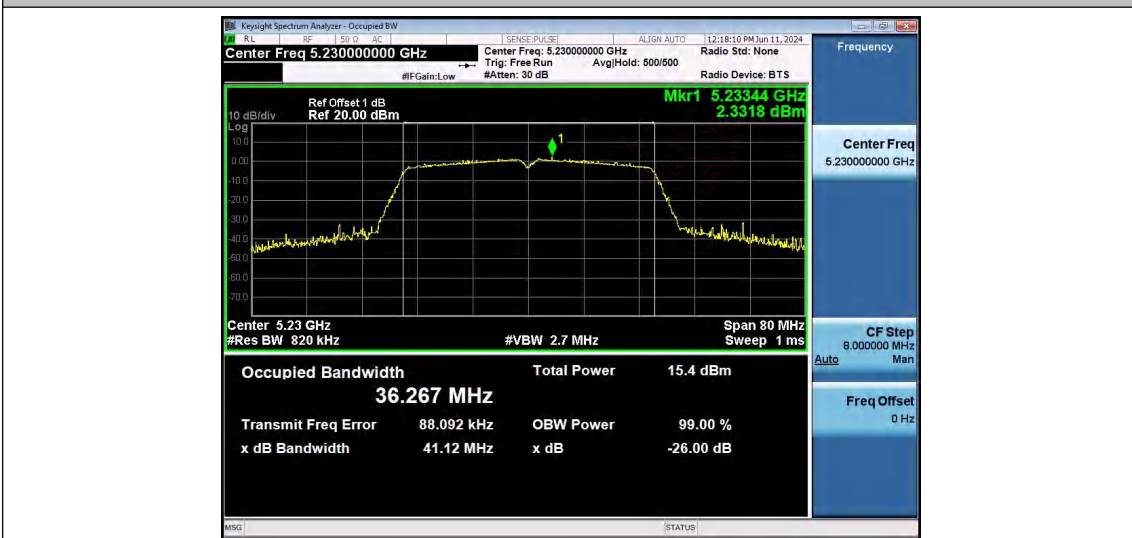




11AC20SISO-Ant1-5825



11AC40SISO-Ant1-5190



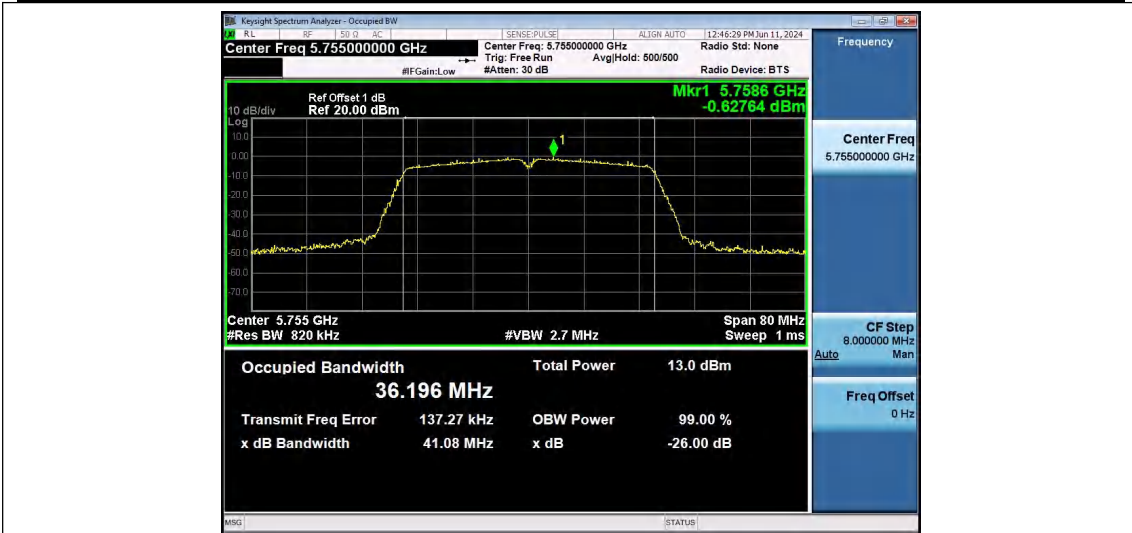
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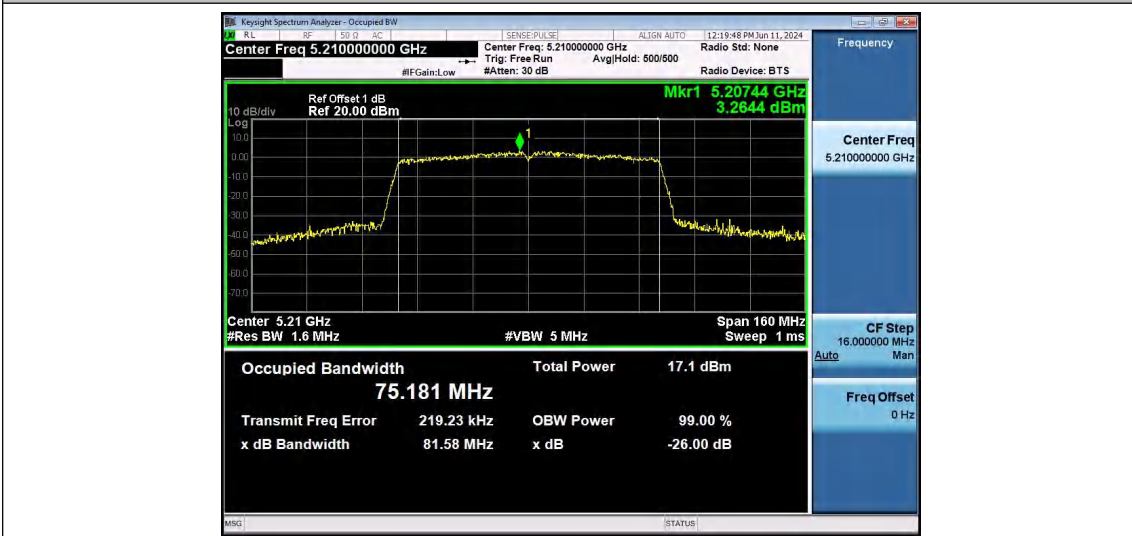




11AC40SISO-Ant1-5755



11AC40SISO-Ant1-5795



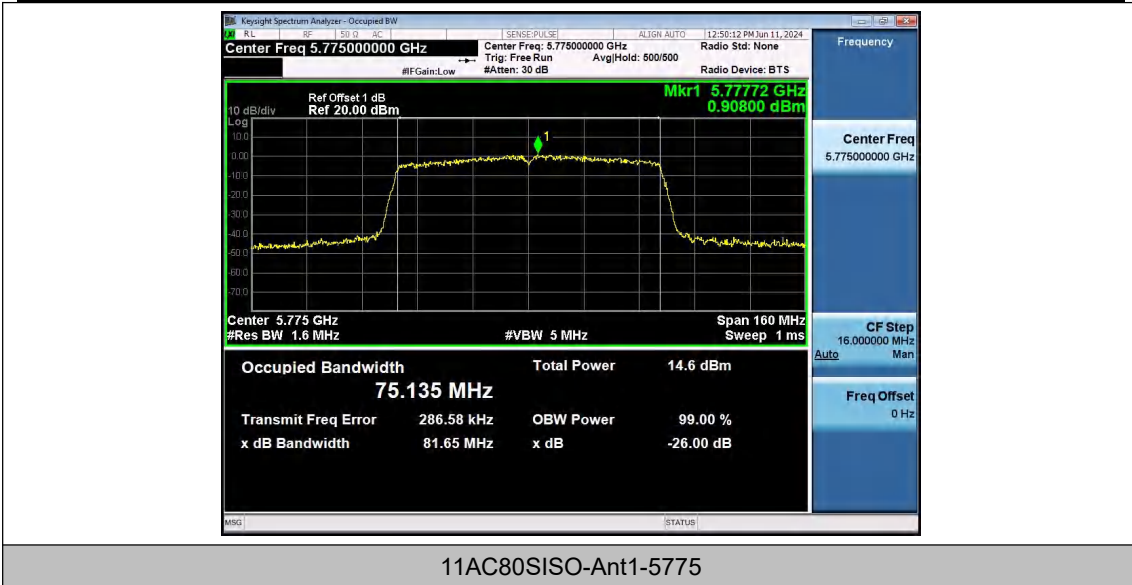
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Appendix A3: Minimum 6dB Bandwidth

Test Result B4

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	13.360	5738.760	5752.120	0.5	PASS
11A	Ant1	5785	15.000	5777.720	5792.720	0.5	PASS
11A	Ant1	5825	14.160	5818.320	5832.480	0.5	PASS
11N20SISO	Ant1	5745	15.280	5737.440	5752.720	0.5	PASS
11N20SISO	Ant1	5785	14.440	5778.080	5792.520	0.5	PASS
11N20SISO	Ant1	5825	15.040	5817.480	5832.520	0.5	PASS
11N40SISO	Ant1	5755	35.040	5737.480	5772.520	0.5	PASS
11N40SISO	Ant1	5795	35.040	5777.480	5812.520	0.5	PASS
11AC20SISO	Ant1	5745	15.080	5737.440	5752.520	0.5	PASS
11AC20SISO	Ant1	5785	12.280	5780.200	5792.480	0.5	PASS
11AC20SISO	Ant1	5825	13.840	5818.680	5832.520	0.5	PASS
11AC40SISO	Ant1	5755	35.040	5737.480	5772.520	0.5	PASS
11AC40SISO	Ant1	5795	34.960	5777.480	5812.440	0.5	PASS
11AC80SISO	Ant1	5775	75.200	5737.400	5812.600	0.5	PASS

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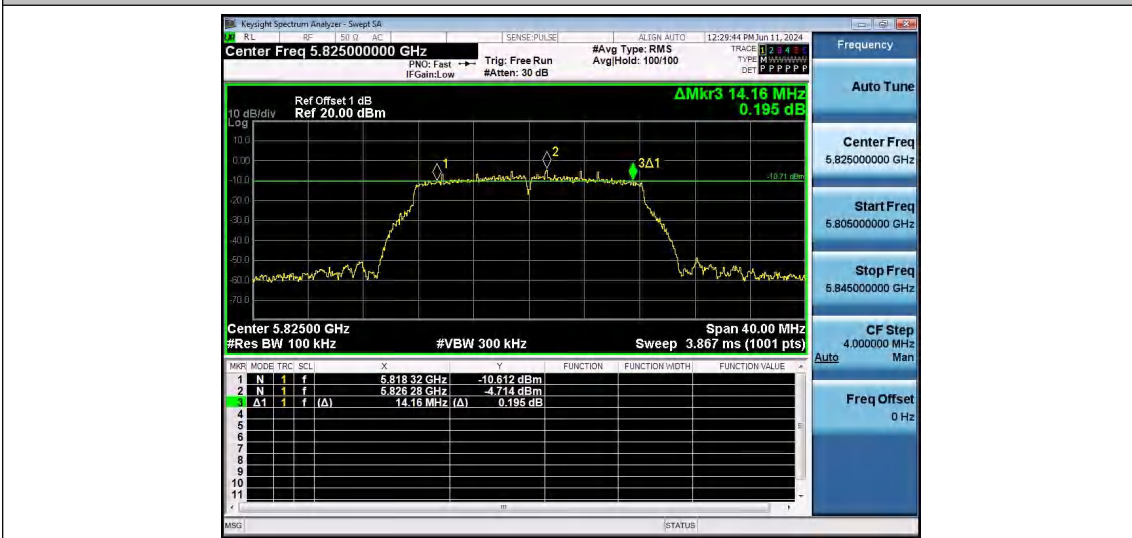
Test Graphs B4



11A-Ant1-5745-PASS



11A-Ant1-5785-PASS



11A-Ant1-5825-PASS

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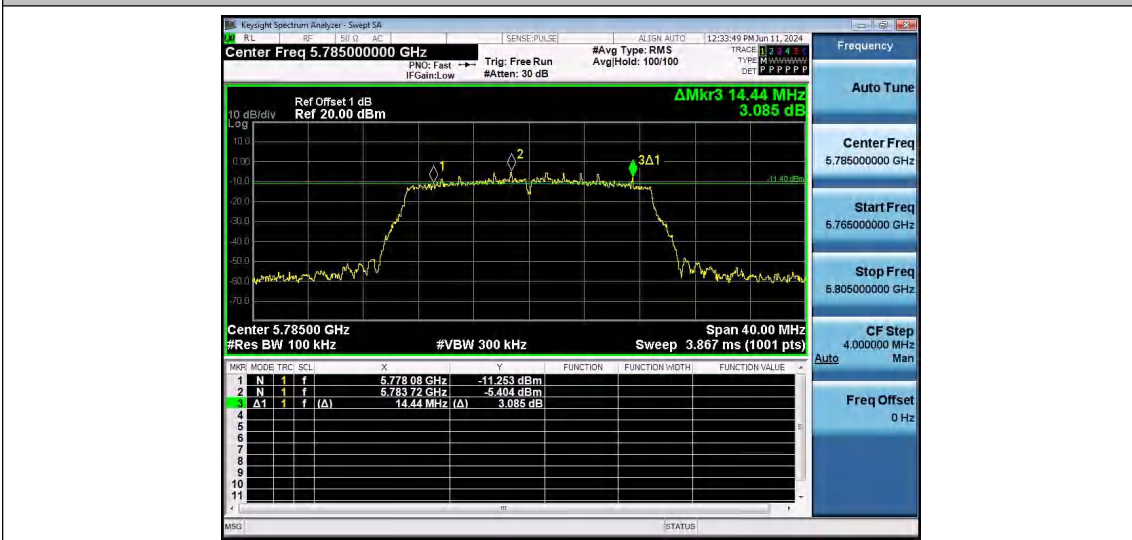
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11N20SISO-Ant1-5745-PASS



11N20SISO-Ant1-5785-PASS

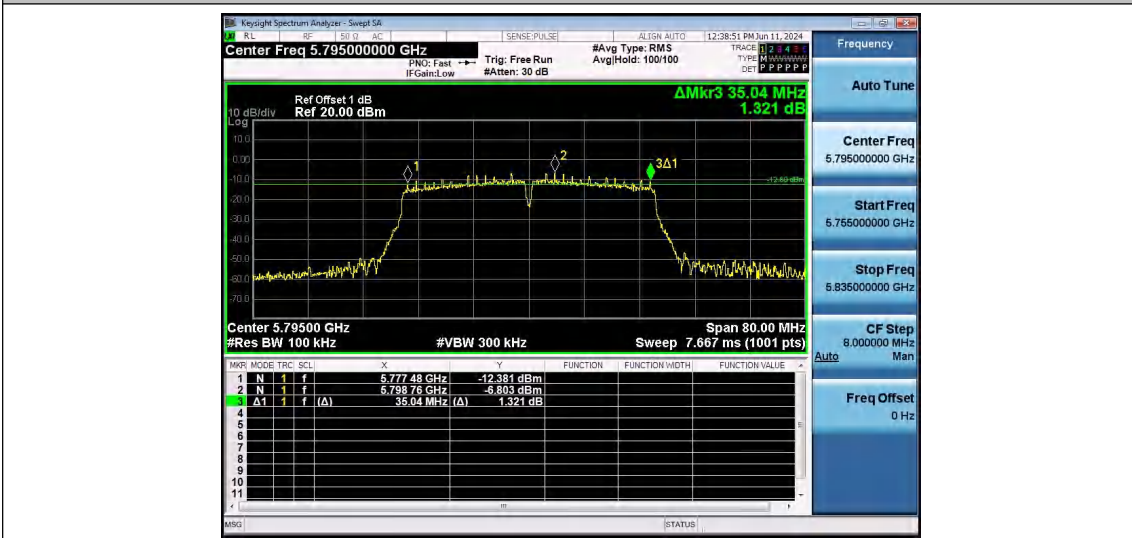


11N20SISO-Ant1-5825-PASS





11N40SISO-Ant1-5755-PASS

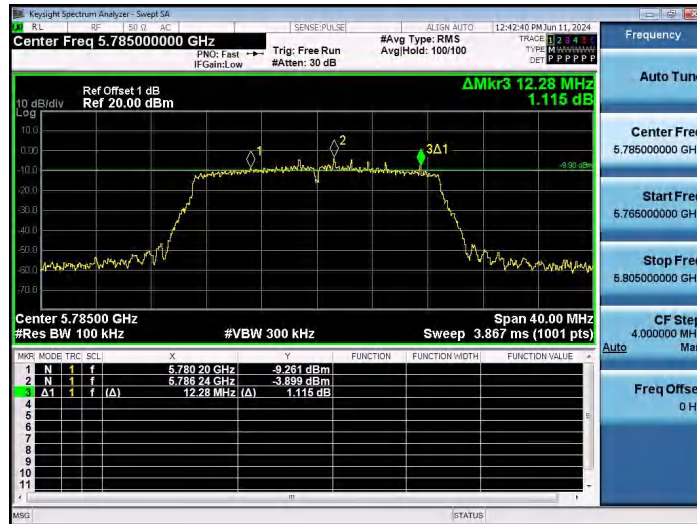


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11A20SISO-Ant1-5745-PASS

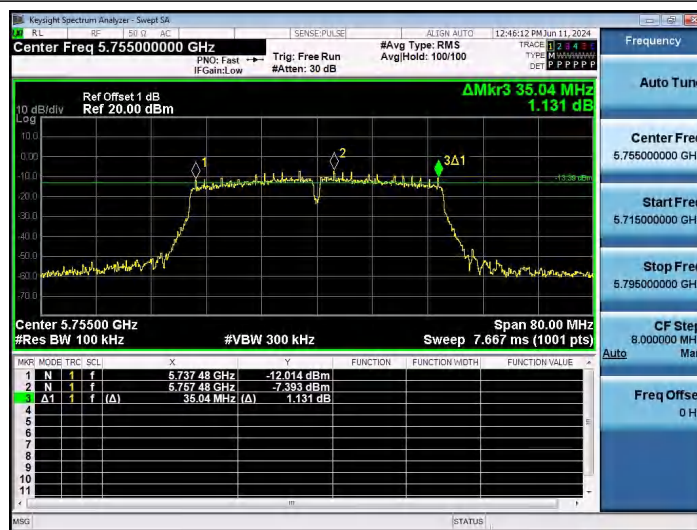




11AC20SISO-Ant1-5785-PASS



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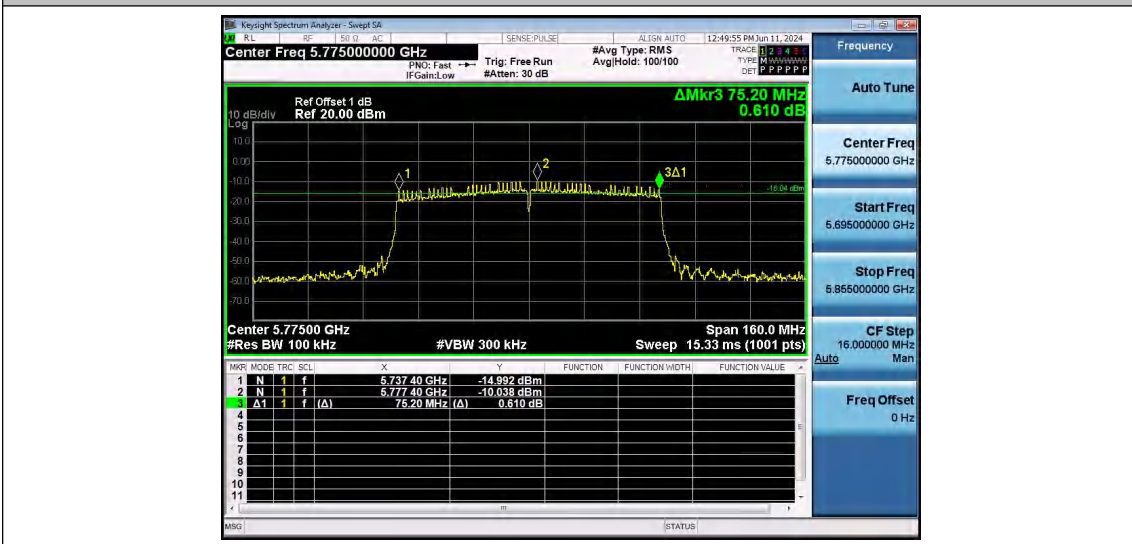


11AC40SISO-Ant1-5755-PASS





11AC40SISO-Ant1-5795-PASS



11AC80SISO-Ant1-5775-PASS

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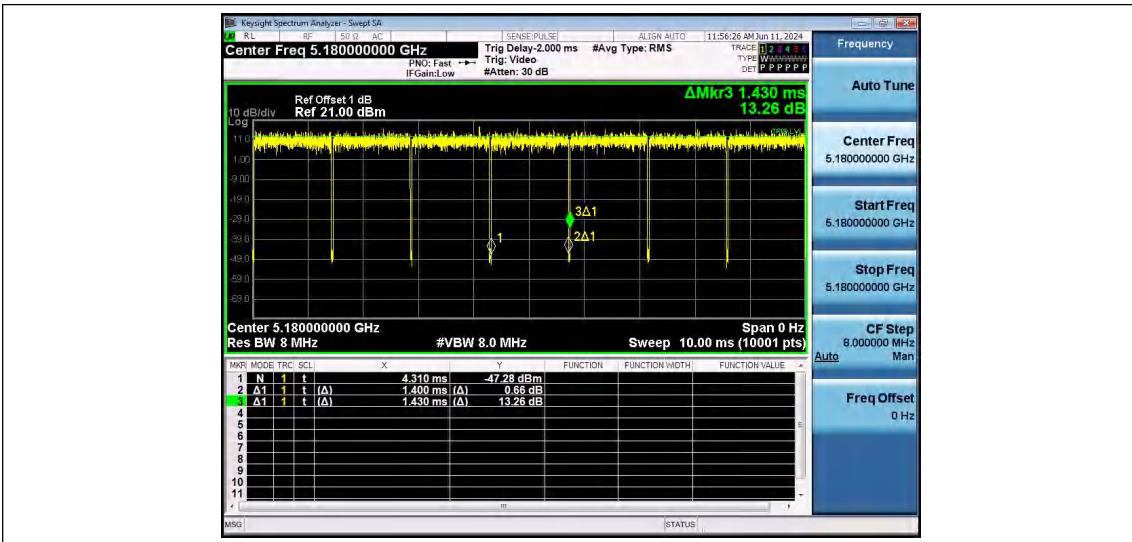
Appendix B: Duty Cycle

Test Result

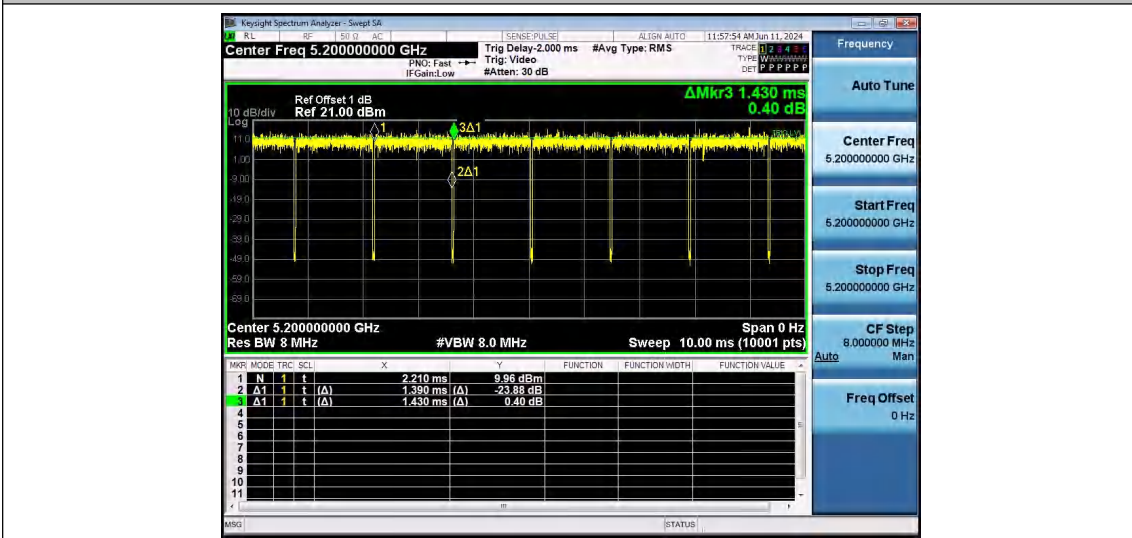
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Dc Factor [%]	1/T
11A	Ant1	5180	1.40	1.43	97.90	0.09	0.71
11A	Ant1	5200	1.39	1.43	97.20	0.12	0.72
11A	Ant1	5240	1.39	1.42	97.89	0.09	0.72
11A	Ant1	5745	1.40	1.43	97.90	0.09	0.71
11A	Ant1	5785	1.39	1.43	97.20	0.12	0.72
11A	Ant1	5825	1.39	1.42	97.89	0.09	0.72
11N20SISO	Ant1	5180	1.30	1.34	97.01	0.13	0.77
11N20SISO	Ant1	5200	1.30	1.34	97.01	0.13	0.77
11N20SISO	Ant1	5240	1.30	1.34	97.01	0.13	0.77
11N20SISO	Ant1	5745	1.30	1.34	97.01	0.13	0.77
11N20SISO	Ant1	5785	1.30	1.34	97.01	0.13	0.77
11N20SISO	Ant1	5825	1.30	1.34	97.01	0.13	0.77
11N40SISO	Ant1	5190	0.65	0.69	94.20	0.26	1.54
11N40SISO	Ant1	5230	0.65	0.68	95.59	0.20	1.54
11N40SISO	Ant1	5755	0.65	0.68	95.59	0.20	1.54
11N40SISO	Ant1	5795	0.65	0.69	94.20	0.26	1.54
11AC20SISO	Ant1	5180	1.31	1.35	97.04	0.13	0.76
11AC20SISO	Ant1	5200	1.31	1.35	97.04	0.13	0.76
11AC20SISO	Ant1	5240	1.31	1.35	97.04	0.13	0.76
11AC20SISO	Ant1	5745	1.32	1.35	97.78	0.10	0.76
11AC20SISO	Ant1	5785	1.31	1.35	97.04	0.13	0.76
11AC20SISO	Ant1	5825	1.31	1.35	97.04	0.13	0.76
11AC40SISO	Ant1	5190	0.65	0.69	94.20	0.26	1.54
11AC40SISO	Ant1	5230	0.65	0.68	95.59	0.20	1.54
11AC40SISO	Ant1	5755	0.65	0.69	94.20	0.26	1.54
11AC40SISO	Ant1	5795	0.65	0.69	94.20	0.26	1.54
11AC80SISO	Ant1	5210	0.33	0.36	91.67	0.38	3.03
11AC80SISO	Ant1	5775	0.33	0.36	91.67	0.38	3.03



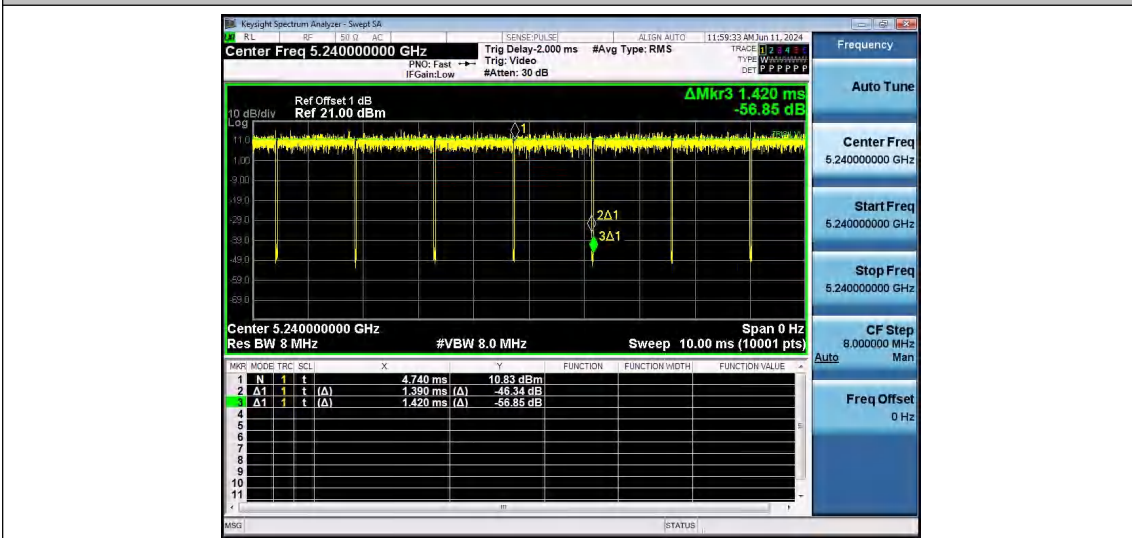
Test Graphs



NTNV-11A-Ant1-5180



NTNV-11A-Ant1-5200



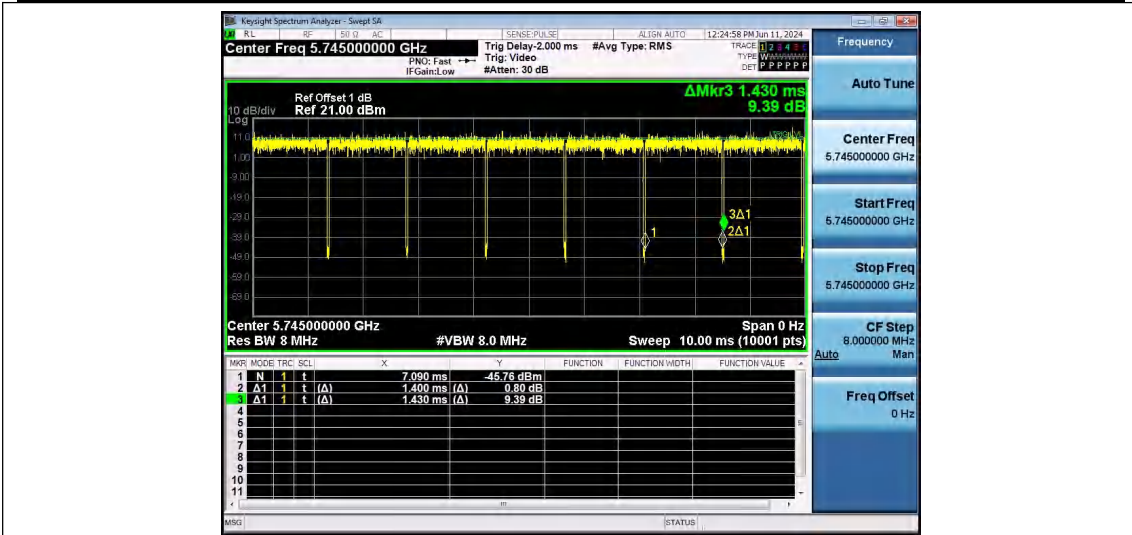
NTNV-11A-Ant1-5240

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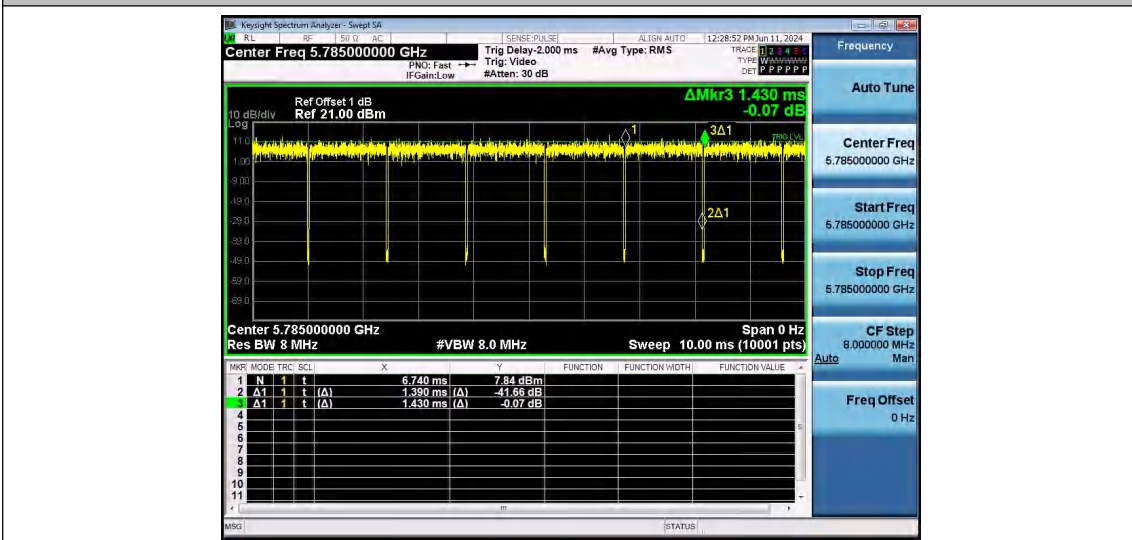
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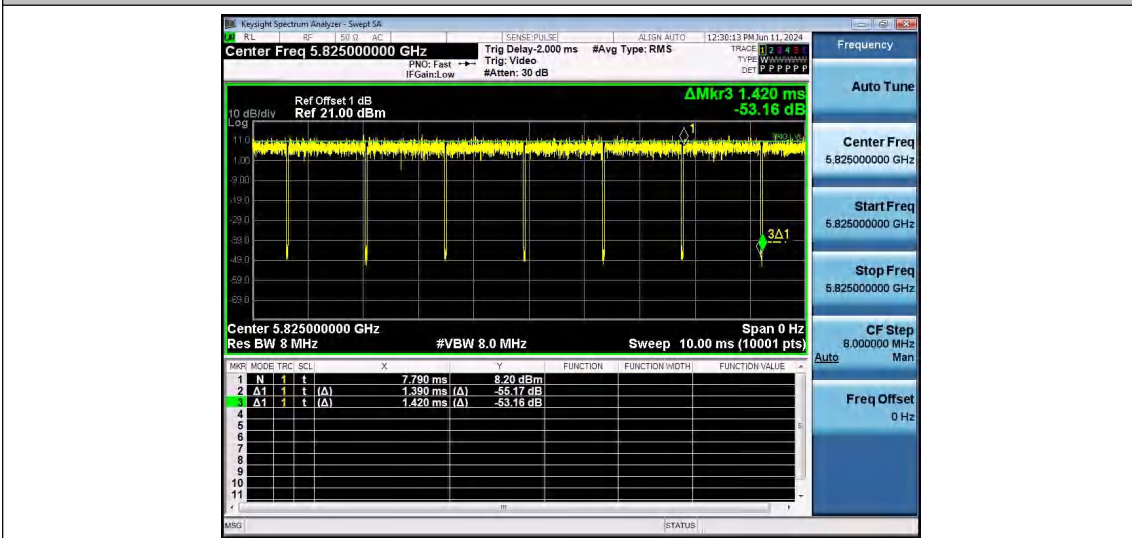




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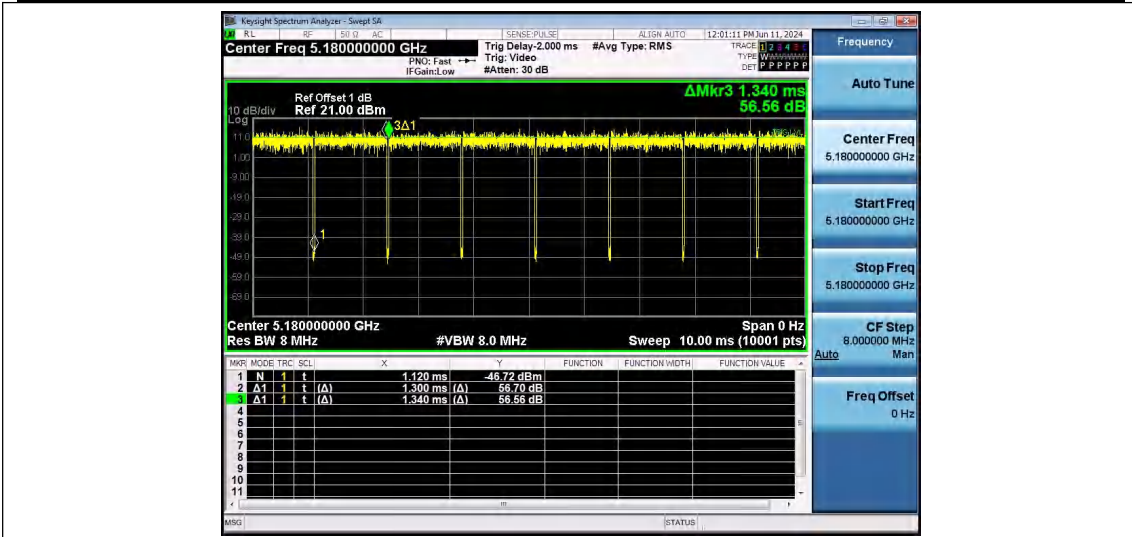


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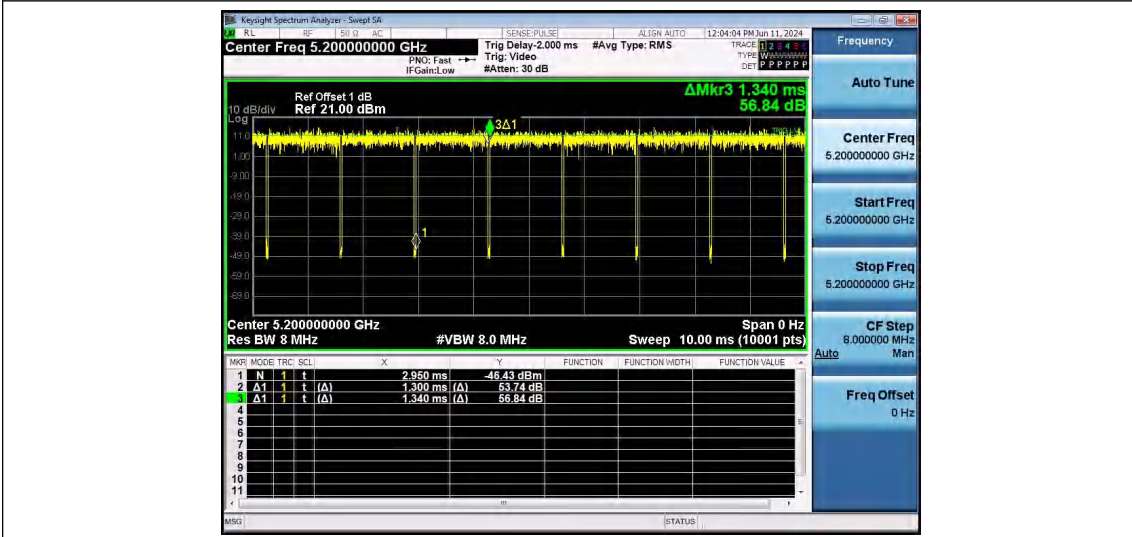


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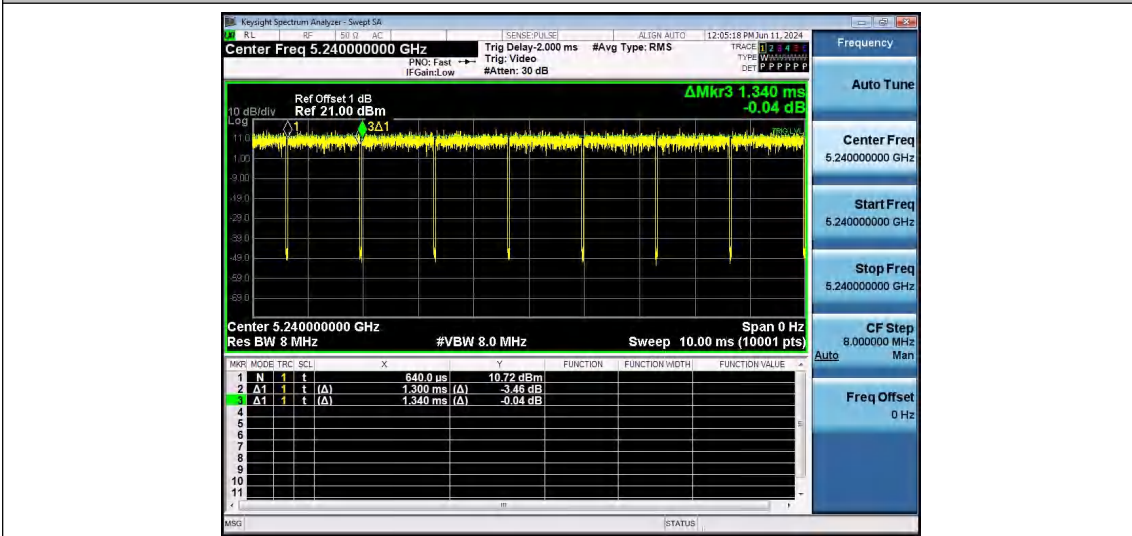




NTNV-11N20SISO-Ant1-5180



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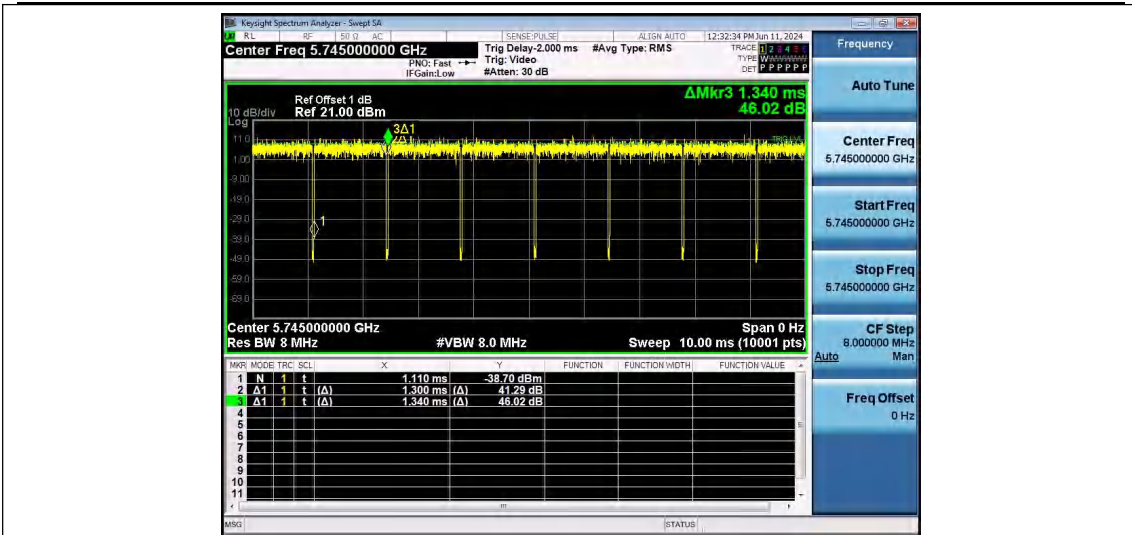
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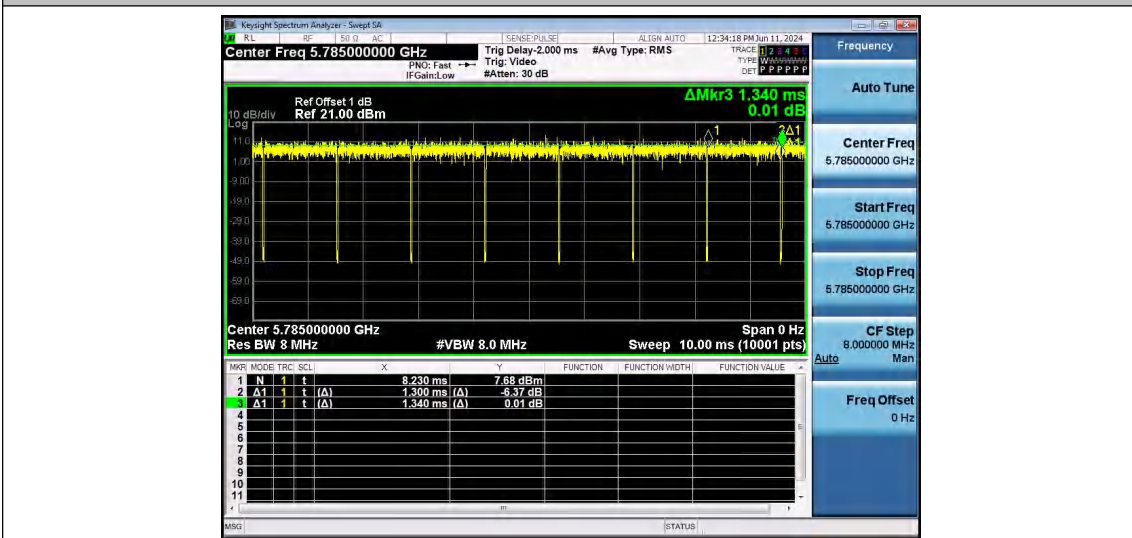
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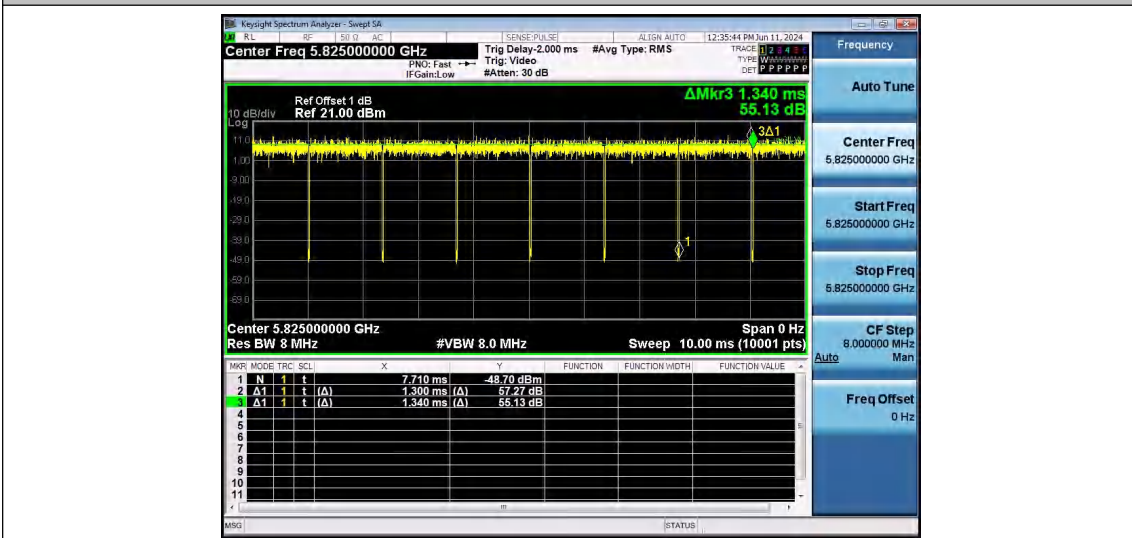




NTNV-11N20SISO-Ant1-5745



NTNV-11N20SISO-Ant1-5785



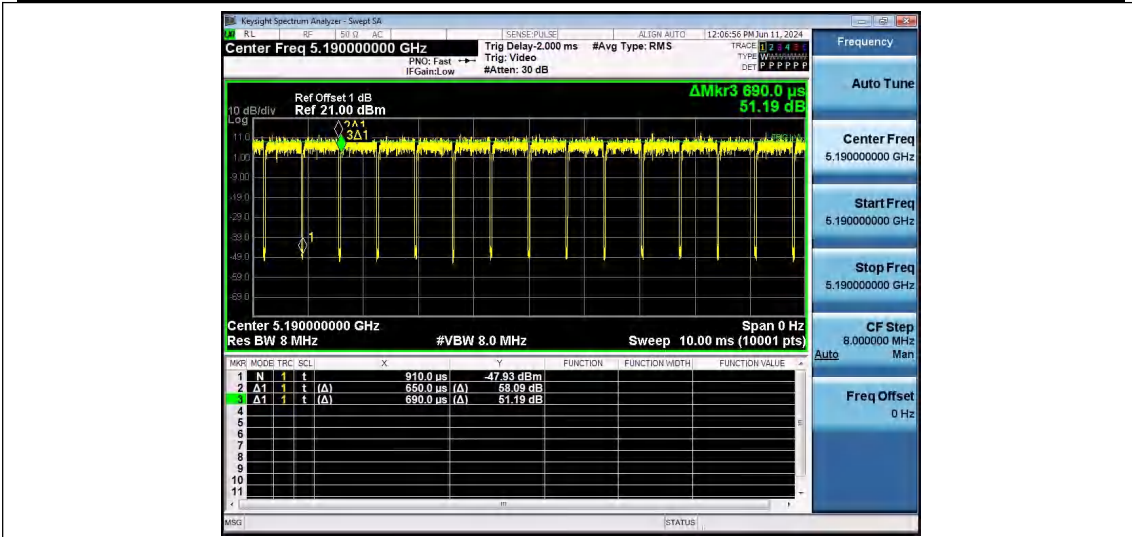
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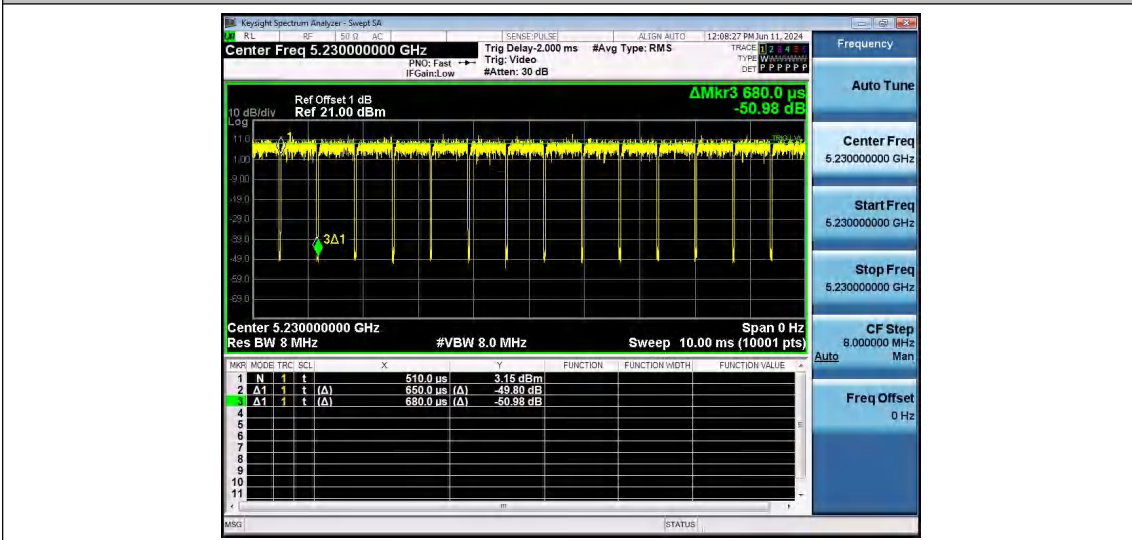
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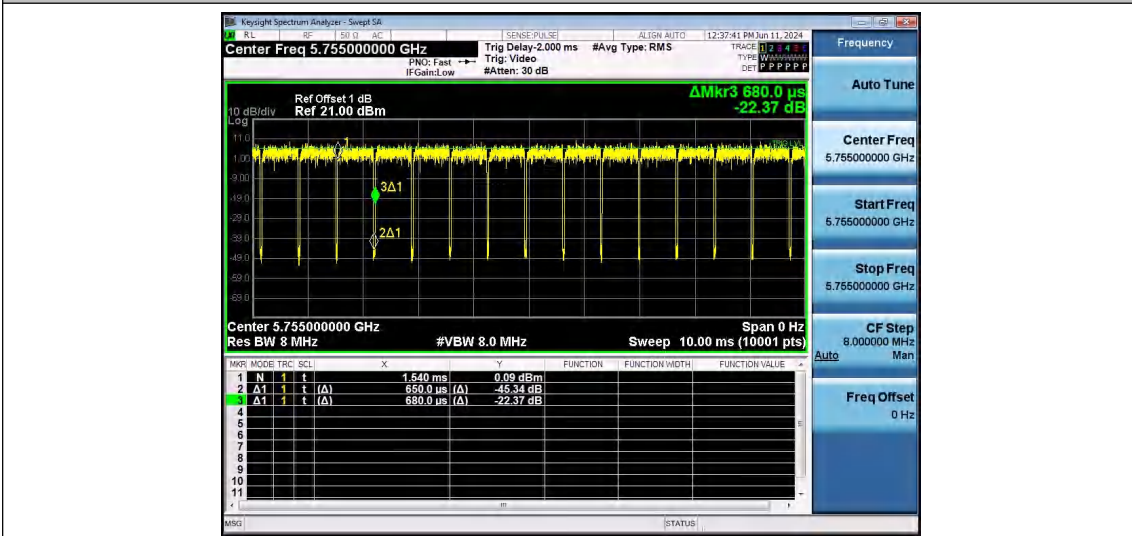




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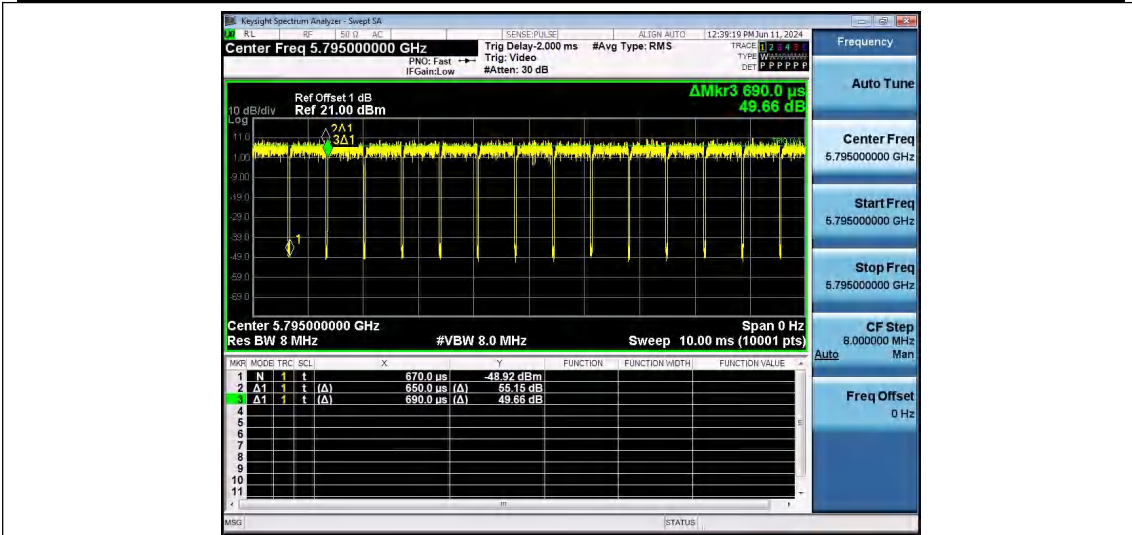


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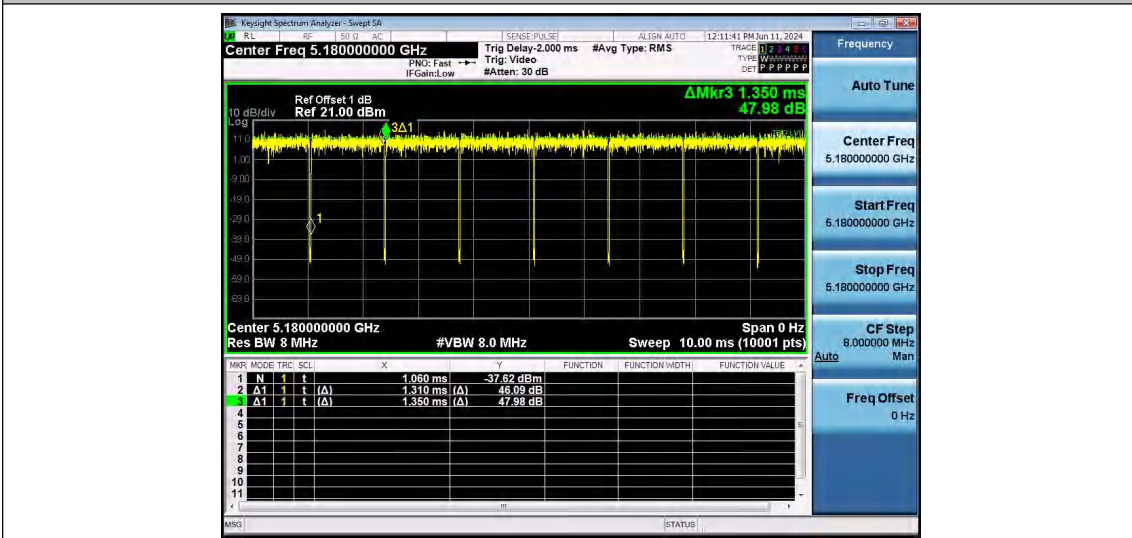


NTNV-11N40SISO-Ant1-5755

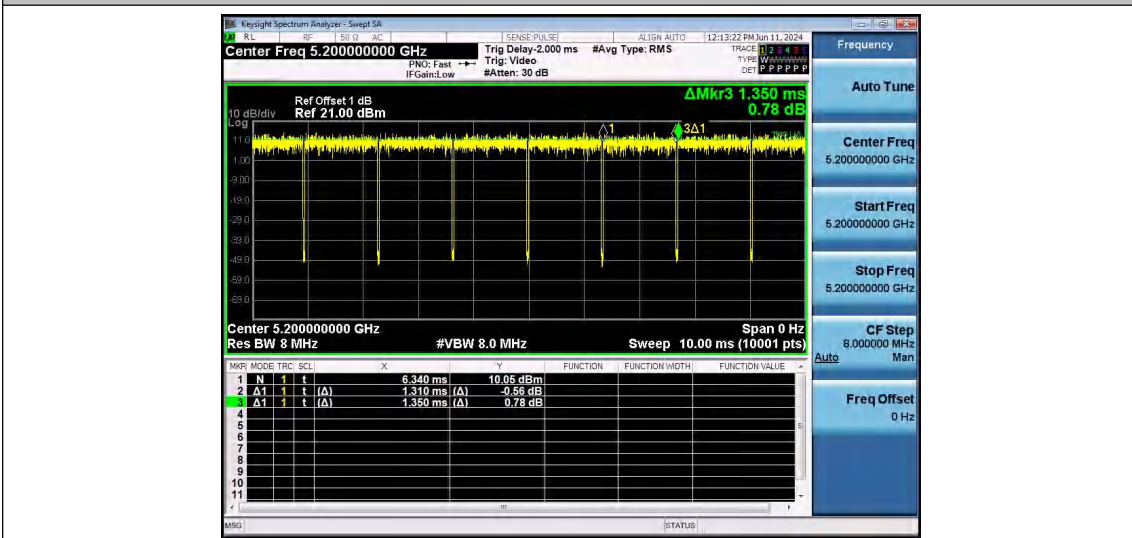




NTNV-11N40SISO-Ant1-5795



NTNV-11AC20SISO-Ant1-5180



NTNV-11AC20SISO-Ant1-5200

