



Appendix A1: Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5180	18.88	5170.76	5189.64	---	---
	Ant2	5180	18.72	5170.72	5189.44	---	---
	Ant1	5220	19.04	5210.68	5229.72	---	---
	Ant2	5220	18.84	5210.68	5229.52	---	---
	Ant1	5240	19.12	5230.56	5249.68	---	---
	Ant2	5240	18.88	5230.56	5249.44	---	---
	Ant1	5260	19.12	5250.64	5269.76	---	---
	Ant2	5260	18.72	5250.72	5269.44	---	---
	Ant1	5300	19.16	5290.60	5309.76	---	---
	Ant2	5300	18.96	5290.60	5309.56	---	---
	Ant1	5320	19.08	5310.64	5329.72	---	---
	Ant2	5320	18.76	5310.68	5329.44	---	---
	Ant1	5745	19.00	5735.68	5754.68	---	---
	Ant2	5745	18.68	5735.68	5754.36	---	---
	Ant1	5785	19.00	5775.68	5794.68	---	---
	Ant2	5785	18.64	5775.76	5794.40	---	---
	Ant1	5825	19.08	5815.60	5834.68	---	---
	Ant2	5825	18.80	5815.64	5834.44	---	---
11N20MIMO	Ant1	5180	22.04	5169.00	5191.04	---	---
	Ant2	5180	22.28	5168.64	5190.92	---	---
	Ant1	5220	22.00	5209.20	5231.20	---	---
	Ant2	5220	22.32	5208.72	5231.04	---	---
	Ant1	5240	21.92	5229.04	5250.96	---	---
	Ant2	5240	22.20	5228.88	5251.08	---	---
	Ant1	5260	22.12	5249.04	5271.16	---	---
	Ant2	5260	22.28	5249.04	5271.32	---	---
	Ant1	5300	21.80	5289.12	5310.92	---	---
	Ant2	5300	22.56	5288.52	5311.08	---	---
	Ant1	5320	21.92	5309.08	5331.00	---	---
	Ant2	5320	22.24	5308.88	5331.12	---	---
	Ant1	5745	21.80	5734.16	5755.96	---	---
	Ant2	5745	21.92	5733.96	5755.88	---	---
	Ant1	5785	21.80	5774.16	5795.96	---	---



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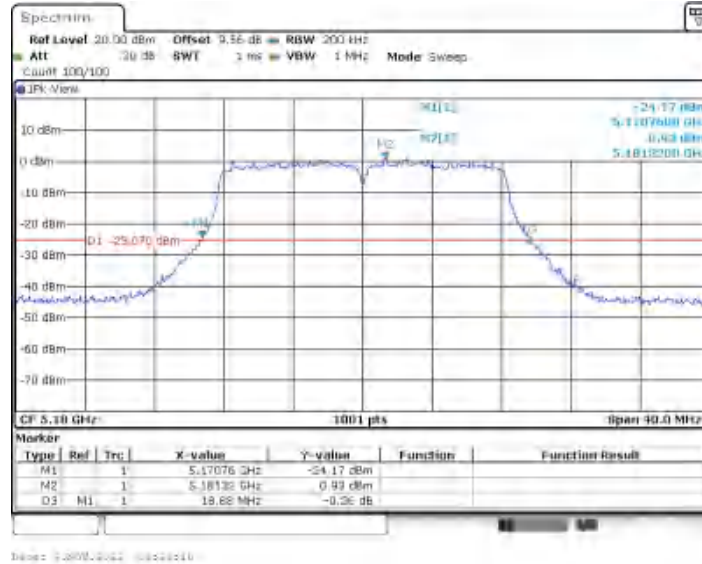
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	Ant2	5785	22.00	5773.92	5795.92	---	---
	Ant1	5825	22.08	5813.96	5836.04	---	---
	Ant2	5825	22.36	5813.64	5836.00	---	---
11N40MIMO	Ant1	5190	40.40	5169.84	5210.24	---	---
	Ant2	5190	40.08	5170.00	5210.08	---	---
	Ant1	5230	40.24	5209.92	5250.16	---	---
	Ant2	5230	40.24	5209.92	5250.16	---	---
	Ant1	5270	40.24	5249.92	5290.16	---	---
	Ant2	5270	40.16	5249.92	5290.08	---	---
	Ant1	5310	40.40	5289.84	5330.24	---	---
	Ant2	5310	40.00	5290.00	5330.00	---	---
	Ant1	5755	40.24	5734.84	5775.08	---	---
	Ant2	5755	40.08	5734.92	5775.00	---	---
	Ant1	5795	40.16	5774.92	5815.08	---	---
	Ant2	5795	39.84	5774.92	5814.76	---	---
11AC80MIMO	Ant1	5210	82.56	5169.04	5251.60	---	---
	Ant2	5210	81.92	5169.20	5251.12	---	---
	Ant1	5290	82.72	5248.88	5331.60	---	---
	Ant2	5290	82.72	5248.72	5331.44	---	---
	Ant1	5775	82.40	5734.04	5816.44	---	---
	Ant2	5775	81.76	5734.20	5815.96	---	---
11AC160MIMO	Ant1	5250	165.76	5167.44	5333.20	---	---
	Ant2	5250	165.76	5167.76	5333.52	---	---
11AX80MIMO	Ant1	5210	82.88	5168.56	5251.44	---	---
	Ant2	5210	82.40	5169.04	5251.44	---	---
	Ant1	5290	82.72	5248.72	5331.44	---	---
	Ant2	5290	83.04	5248.72	5331.76	---	---
	Ant1	5775	82.72	5733.88	5816.60	---	---
	Ant2	5775	82.40	5733.72	5816.12	---	---
11AX160MIMO	Ant1	5250	166.40	5167.12	5333.52	---	---
	Ant2	5250	165.44	5167.44	5332.88	---	---

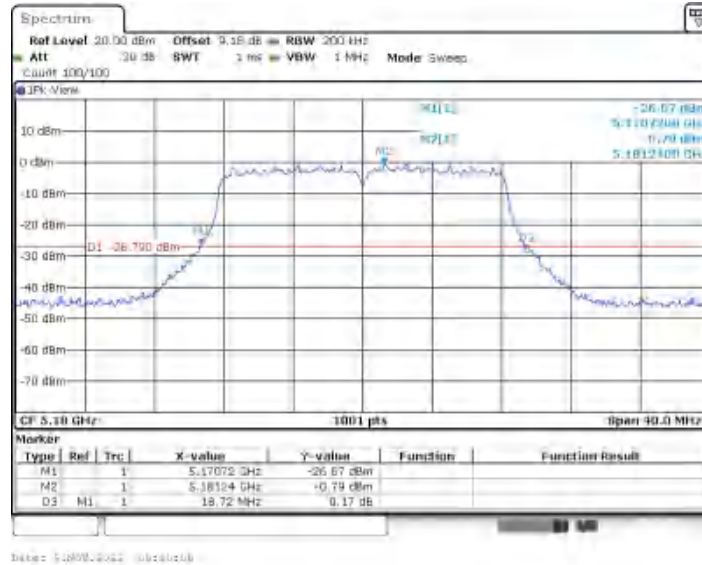


Test Graphs

11A-CDD_Ant1_5180



11A-CDD_Ant2_5180



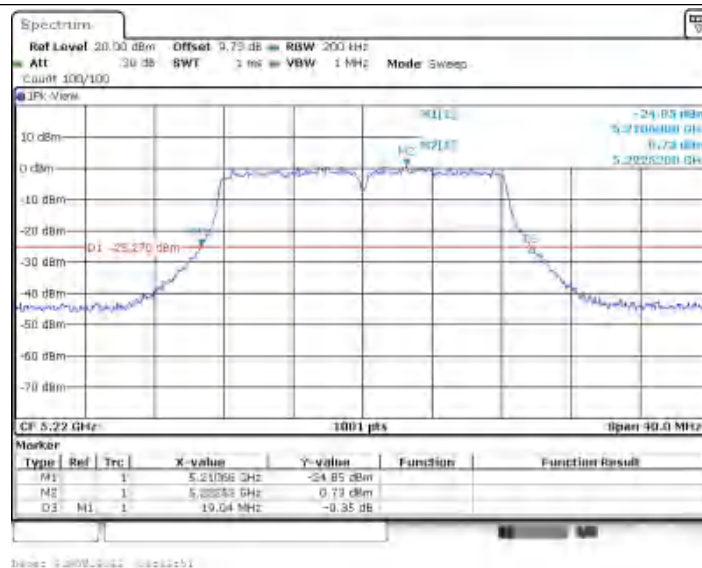
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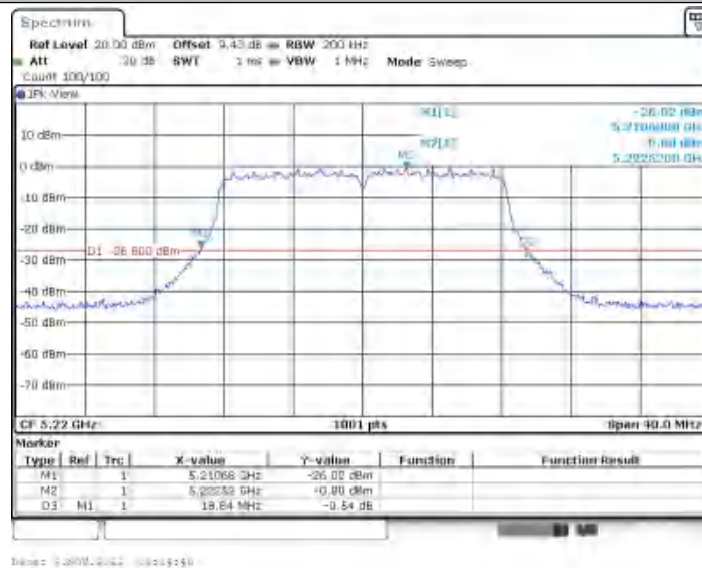
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11A-CDD_Ant2_5220



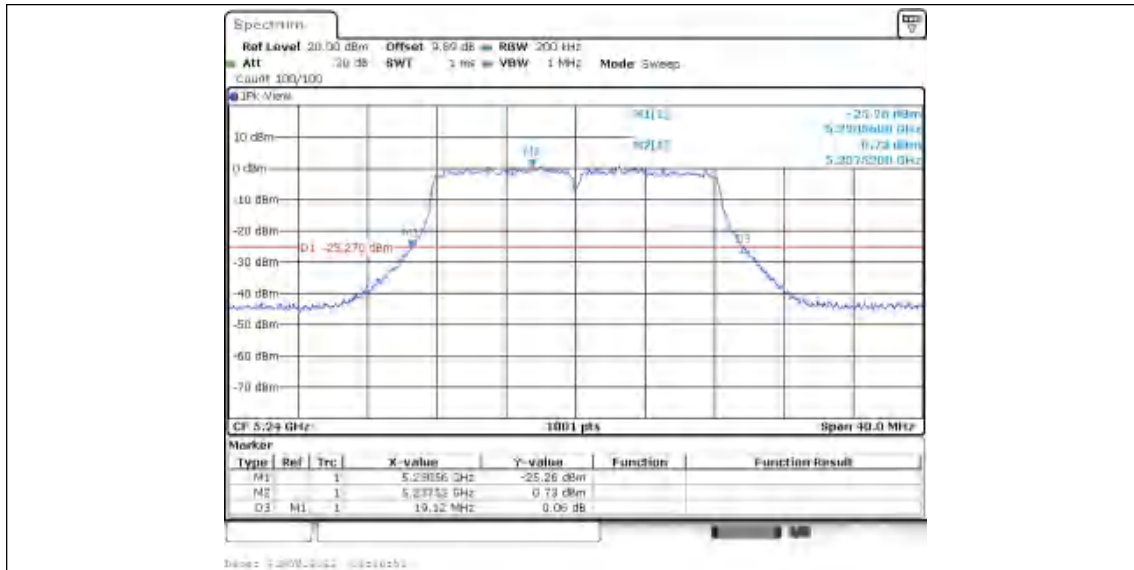
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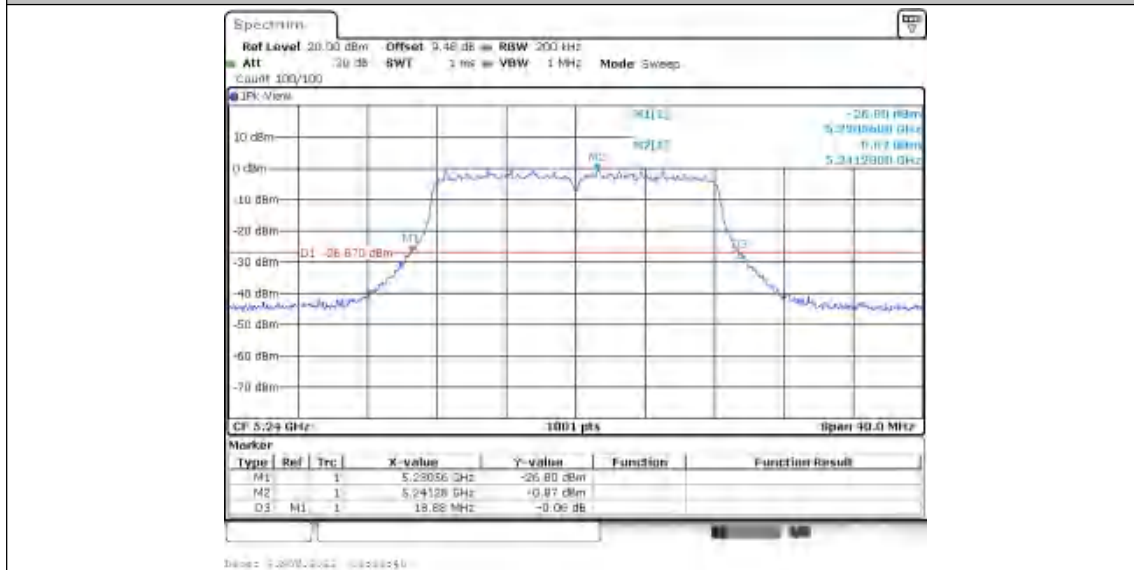
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11A-CDD_Ant2_5240



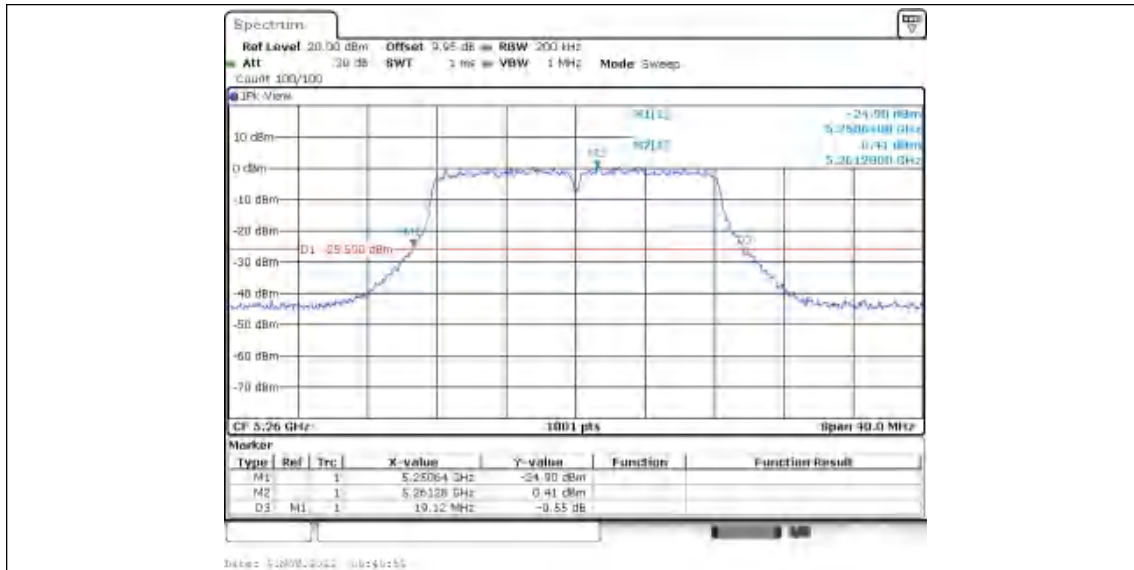
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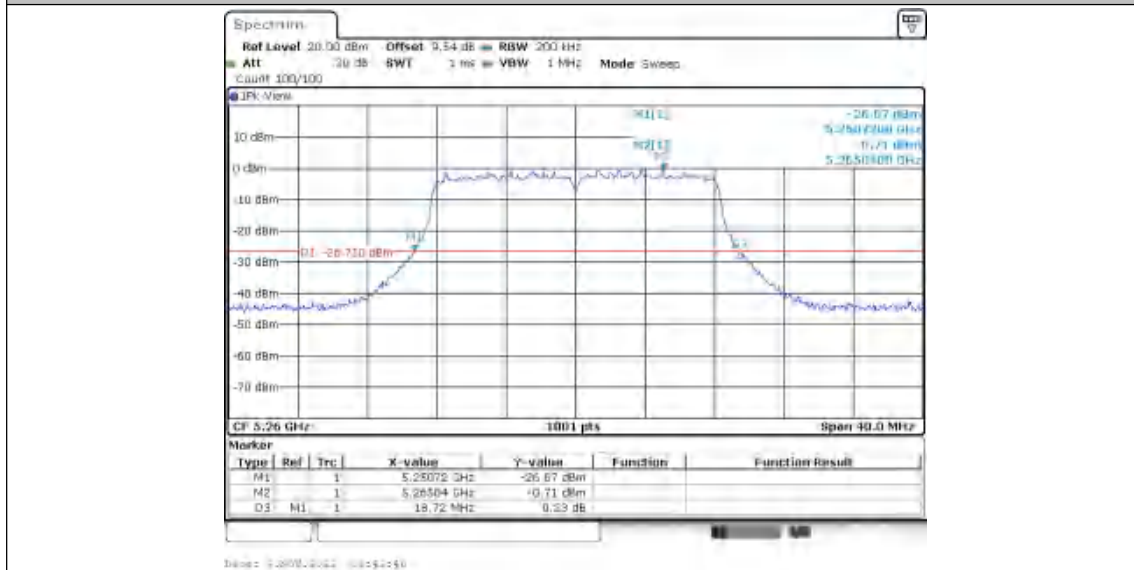
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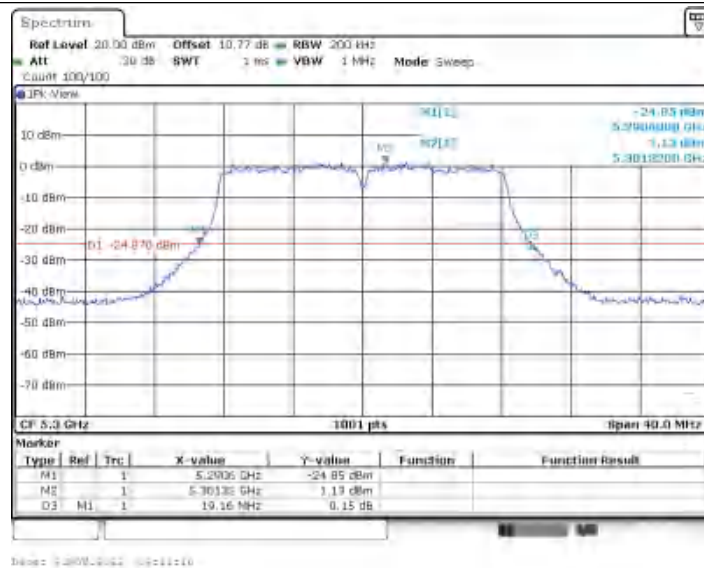
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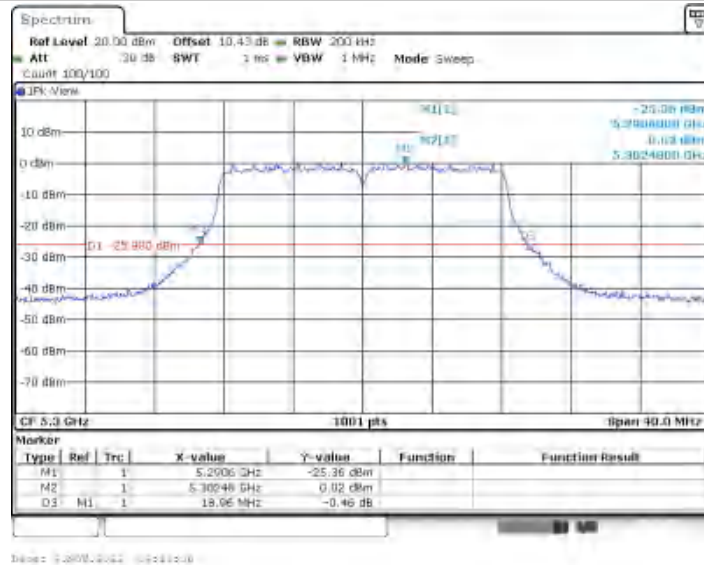
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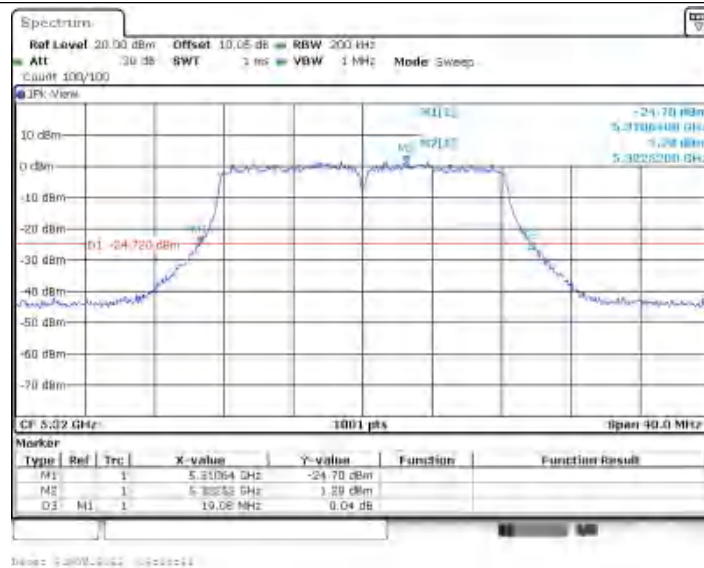
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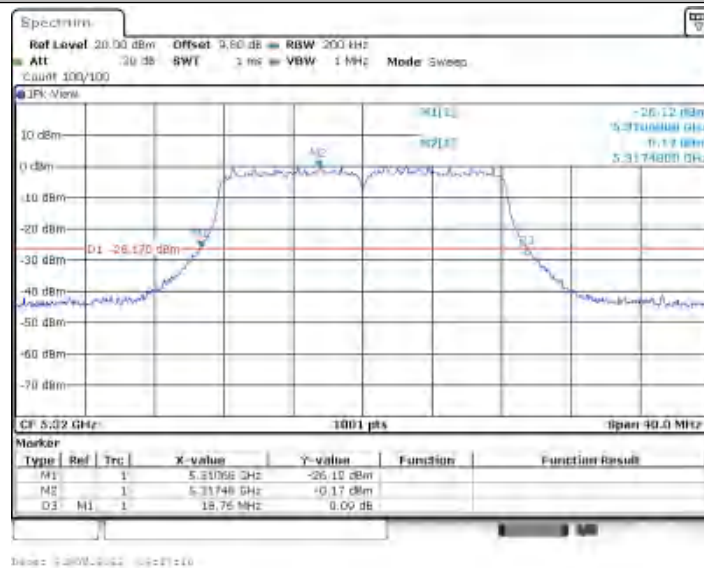
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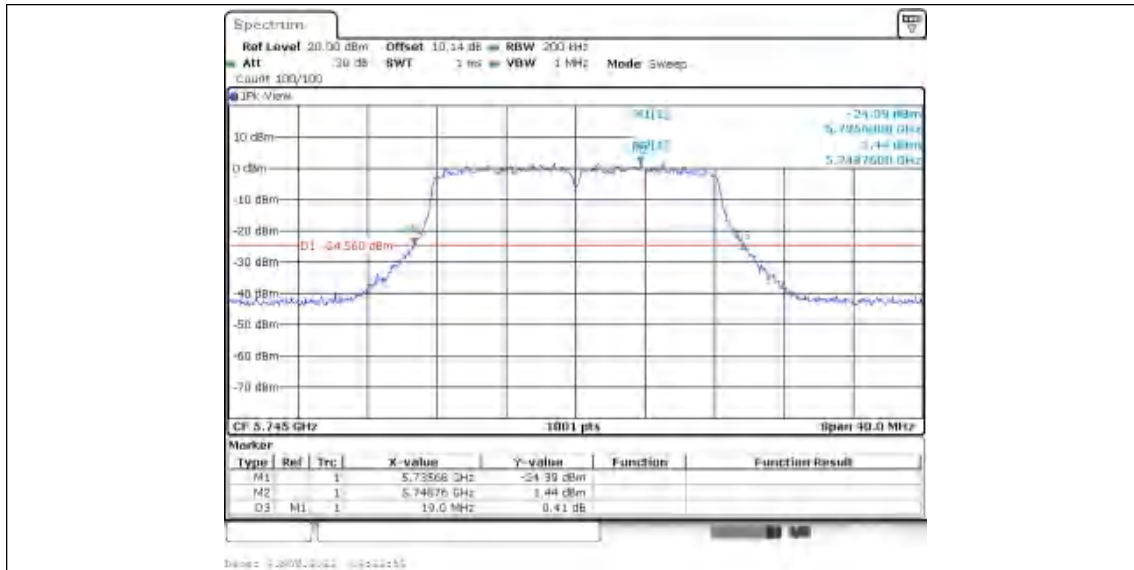
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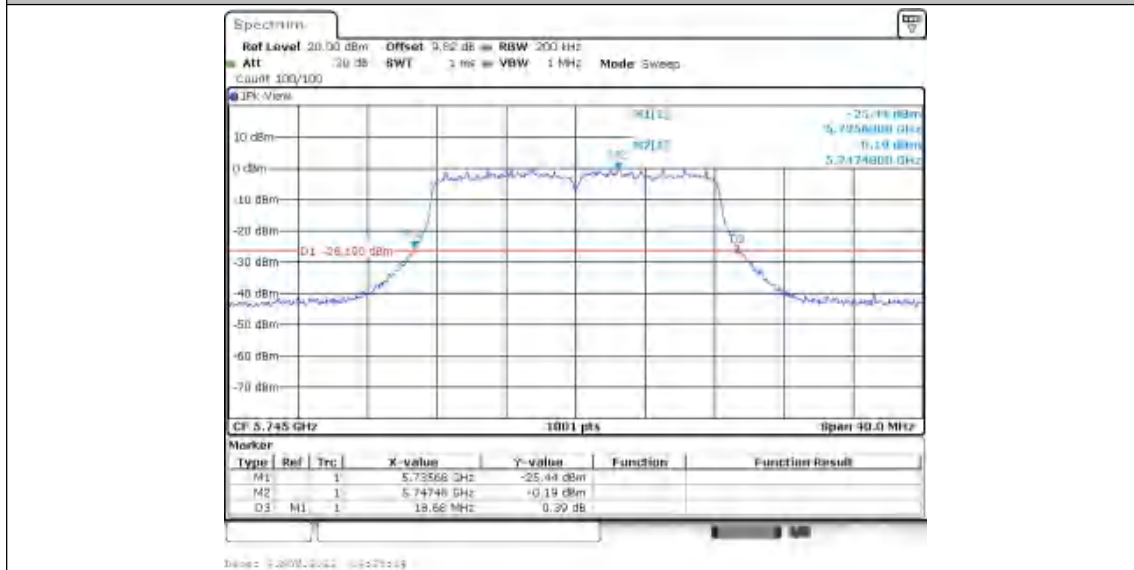
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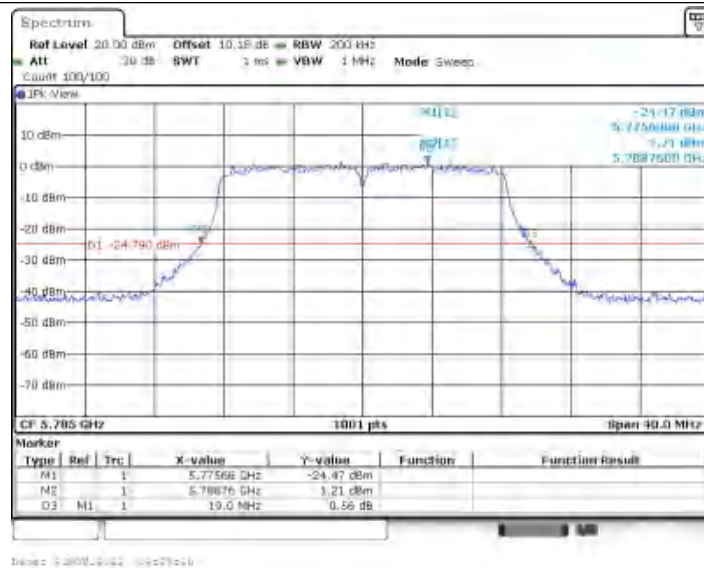
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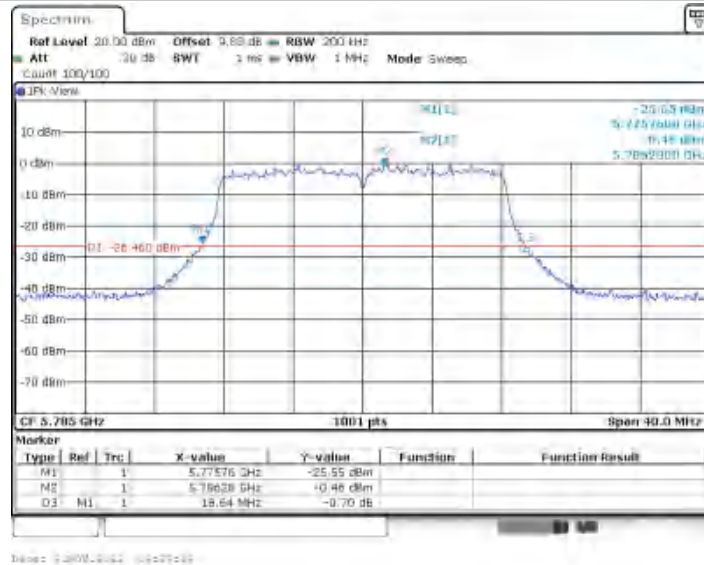
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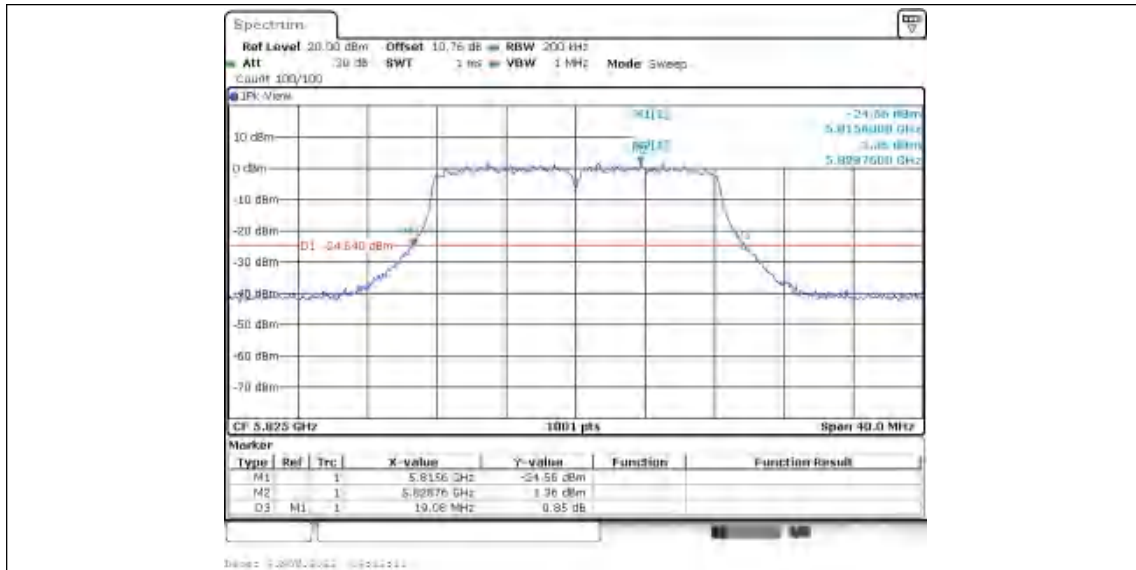
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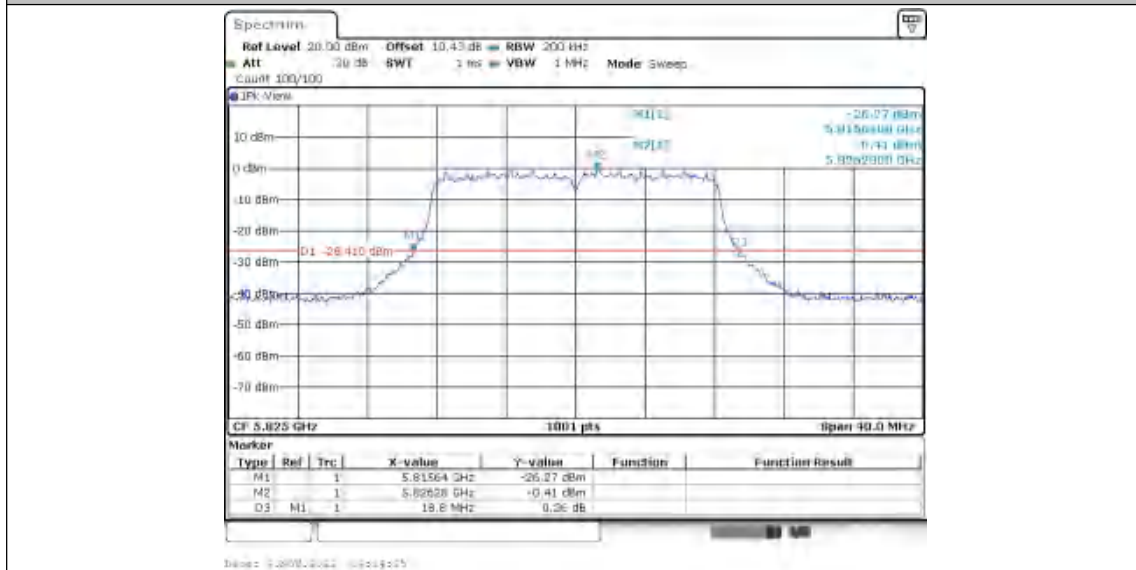
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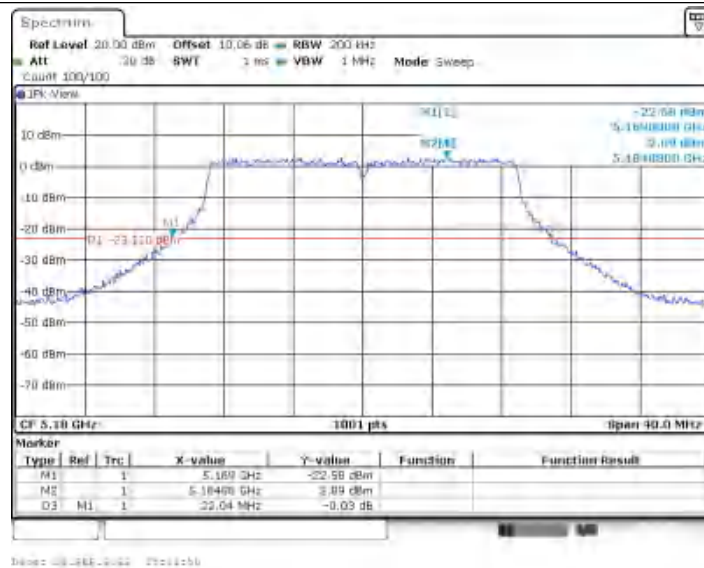
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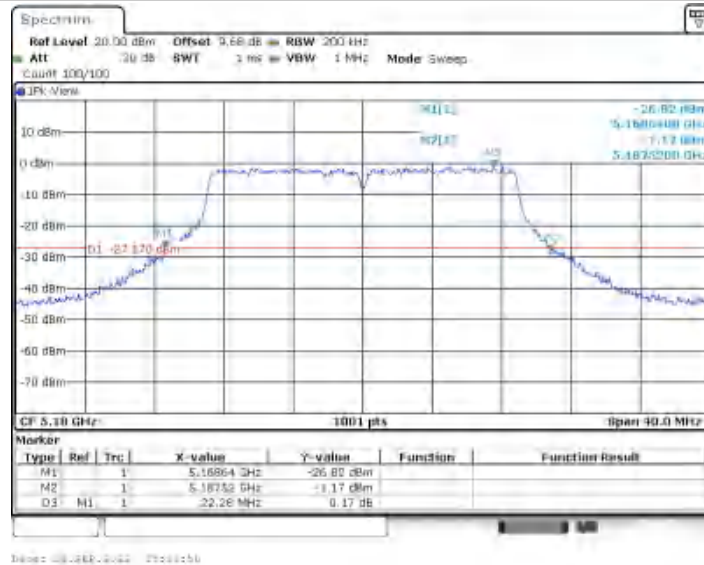
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11N20MIMO_Ant1_5180



11N20MIMO_Ant2_5180



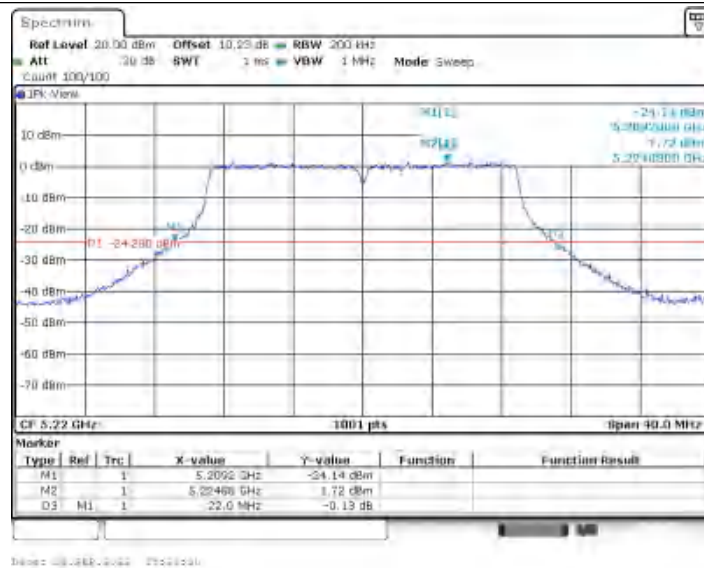
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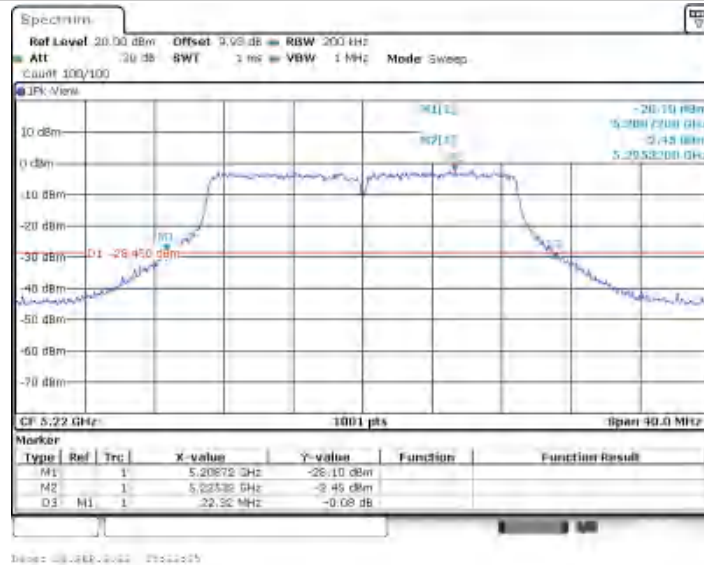
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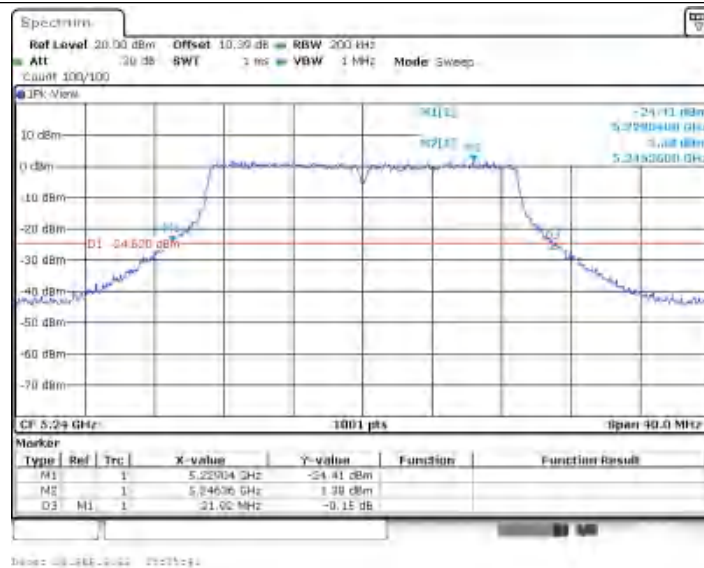
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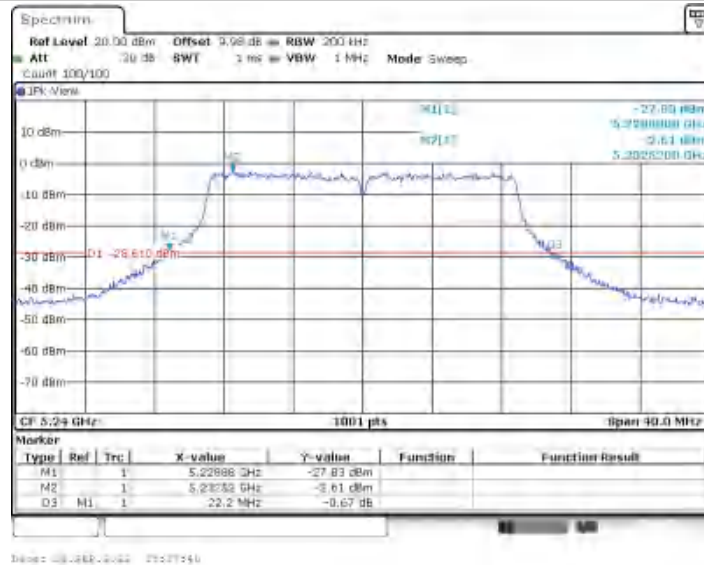
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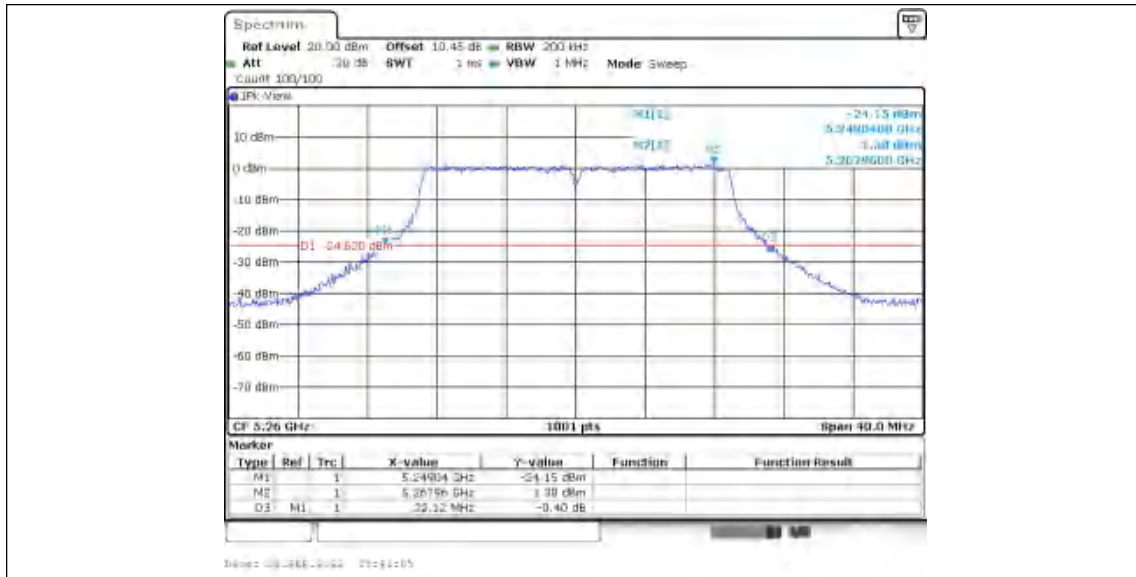
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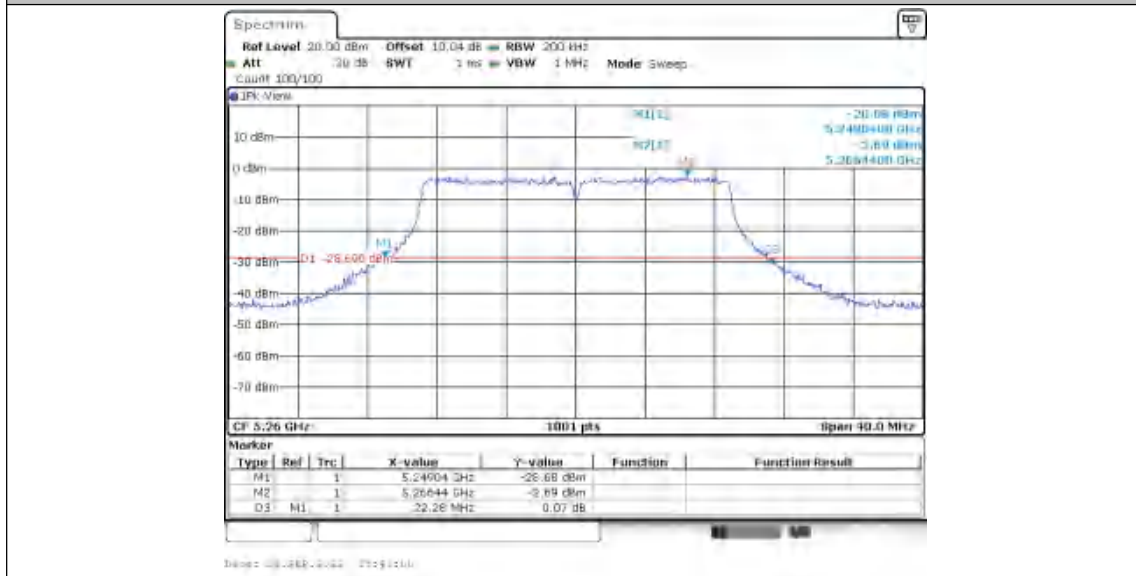
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11N20MIMO_Ant1_5260



11N20MIMO_Ant2_5260



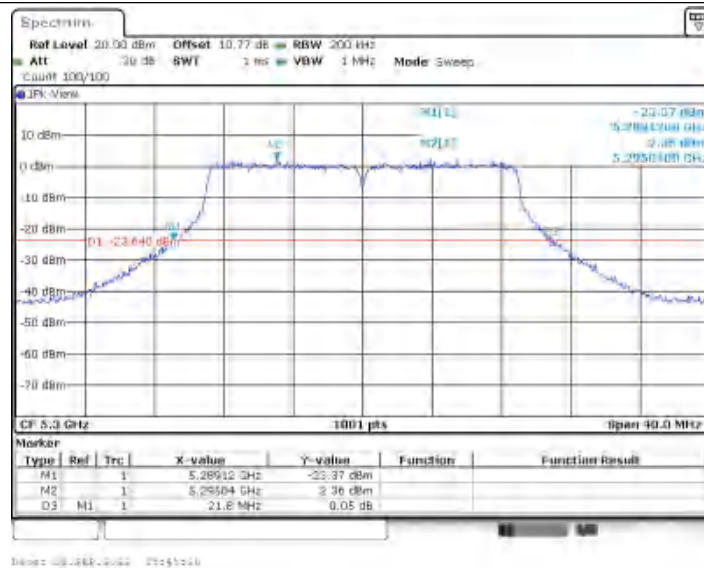
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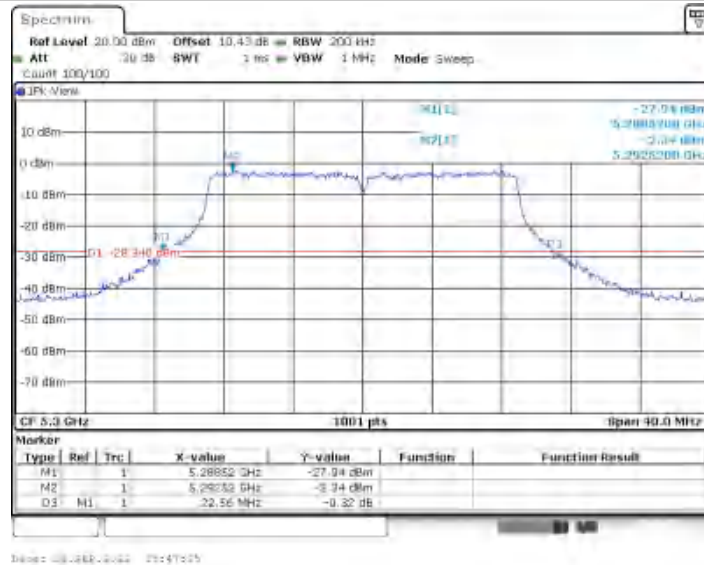
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11N20MIMO_Ant2_5300



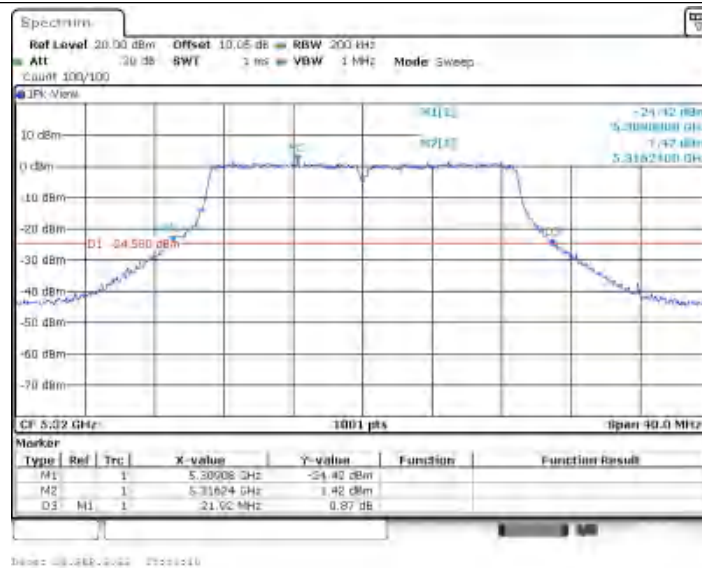
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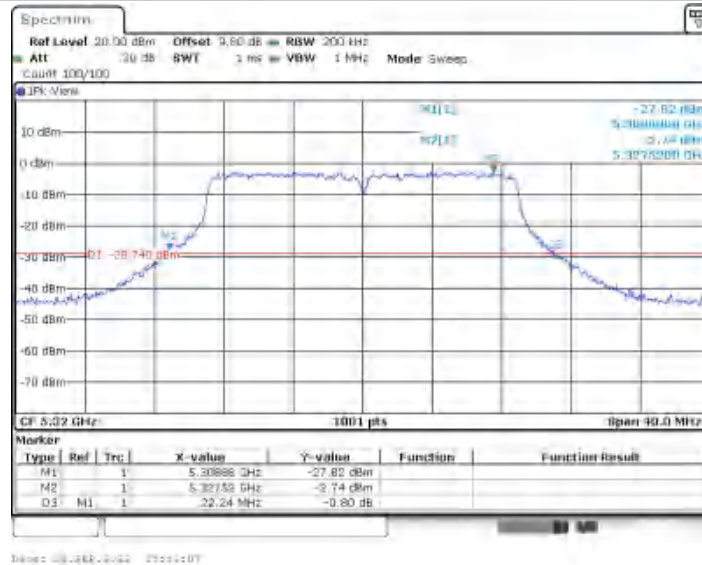
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11N20MIMO_Ant2_5320



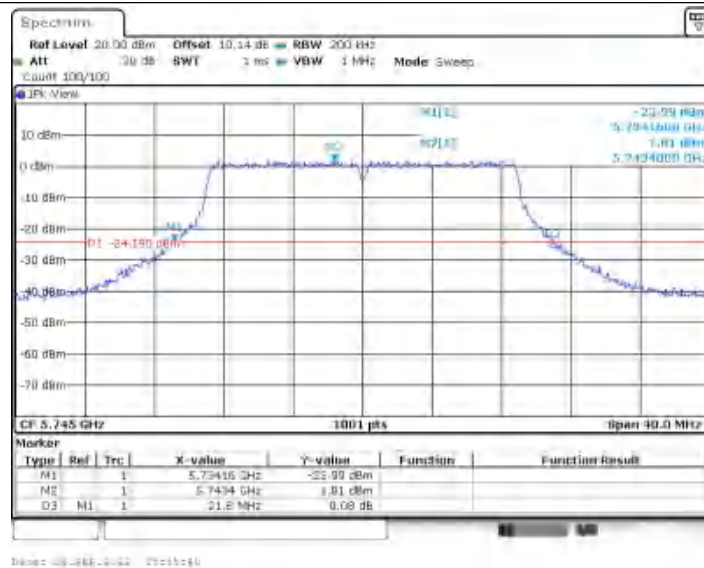
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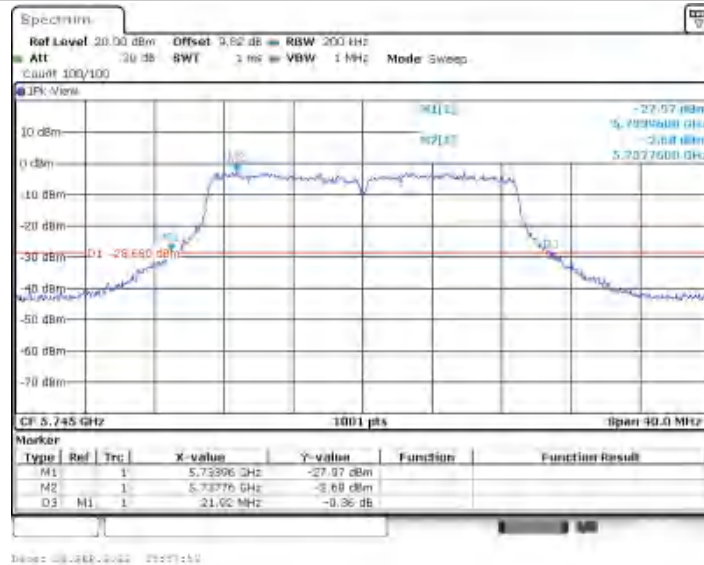
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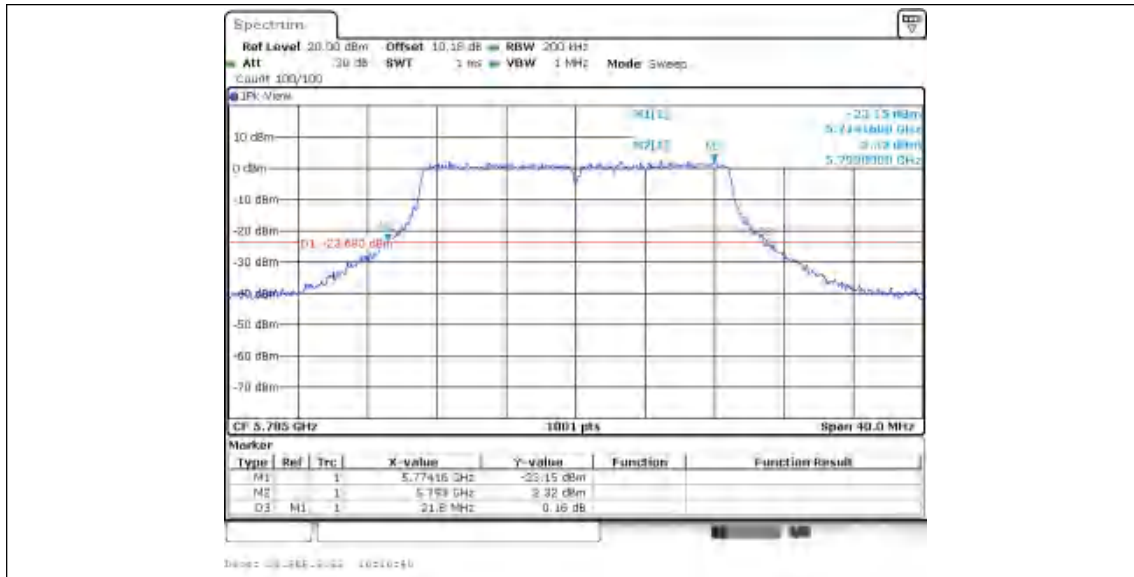
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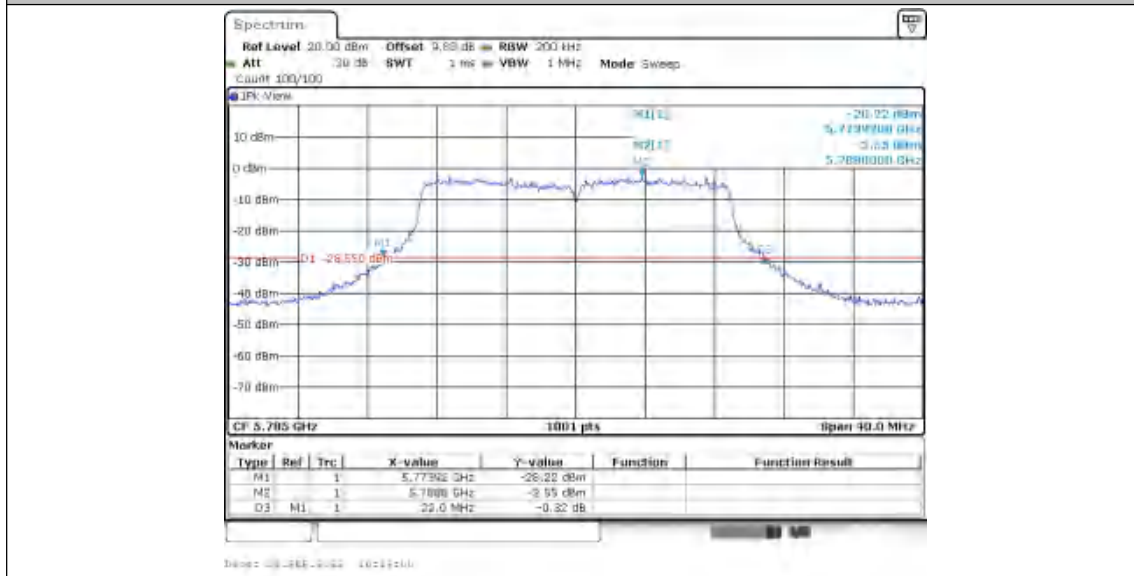
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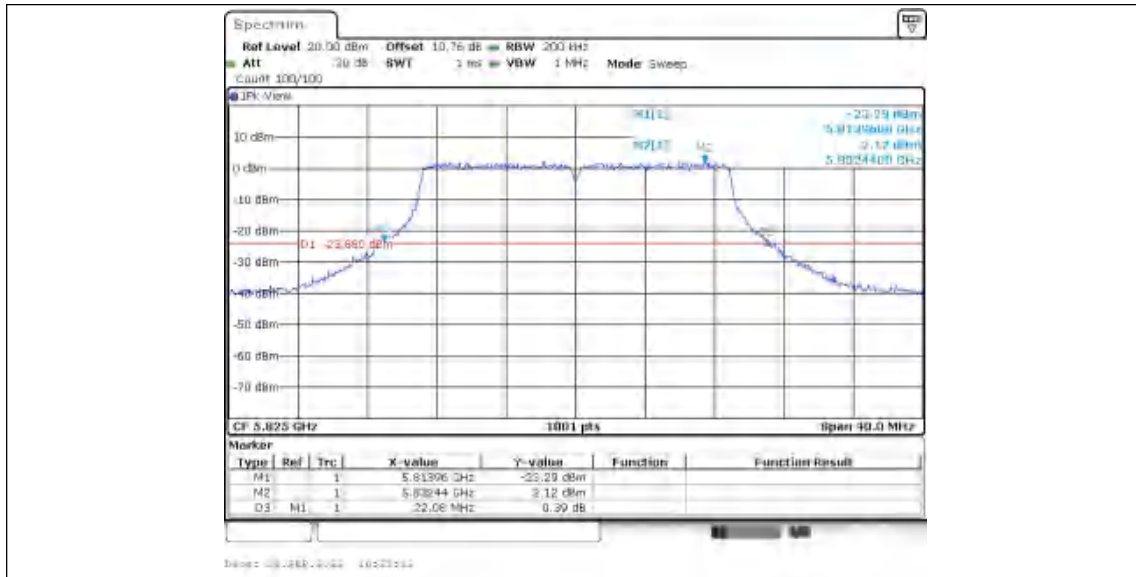
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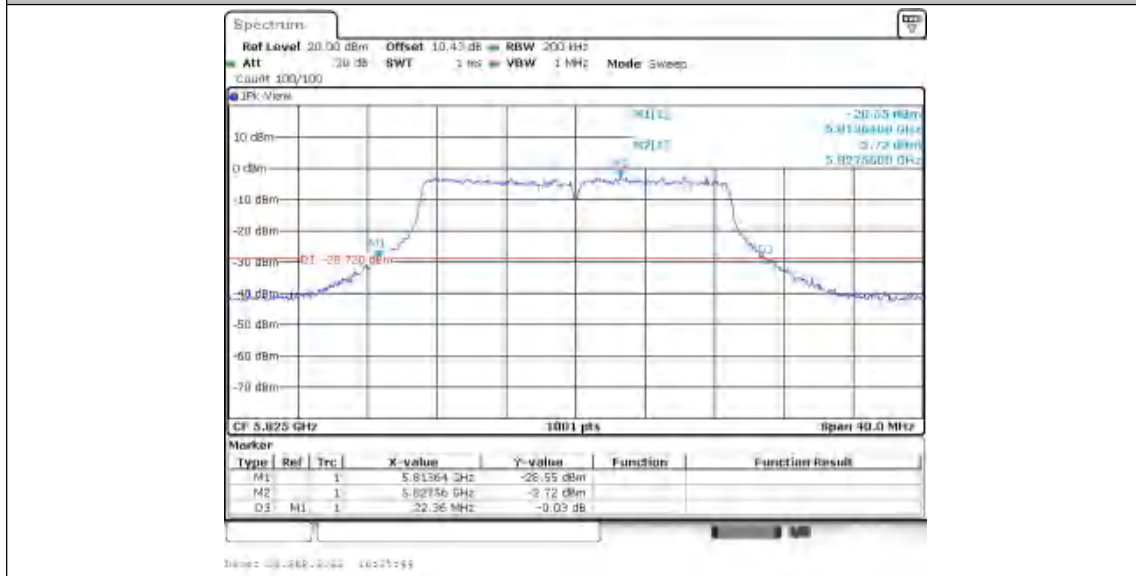
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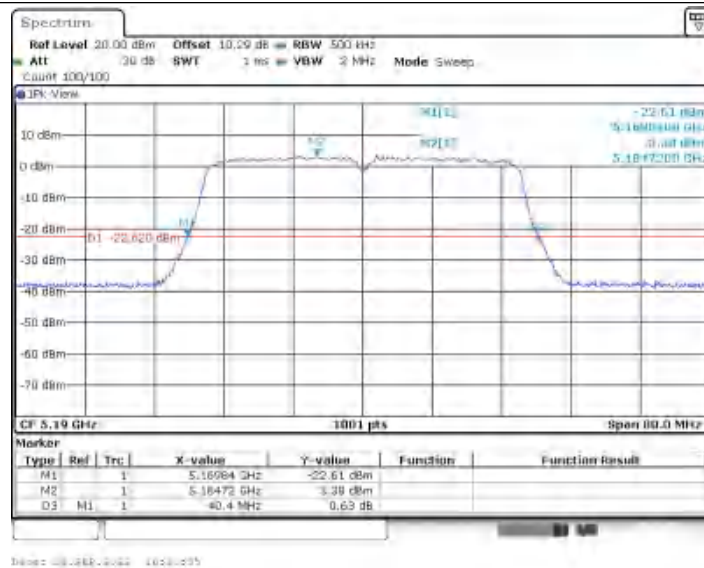
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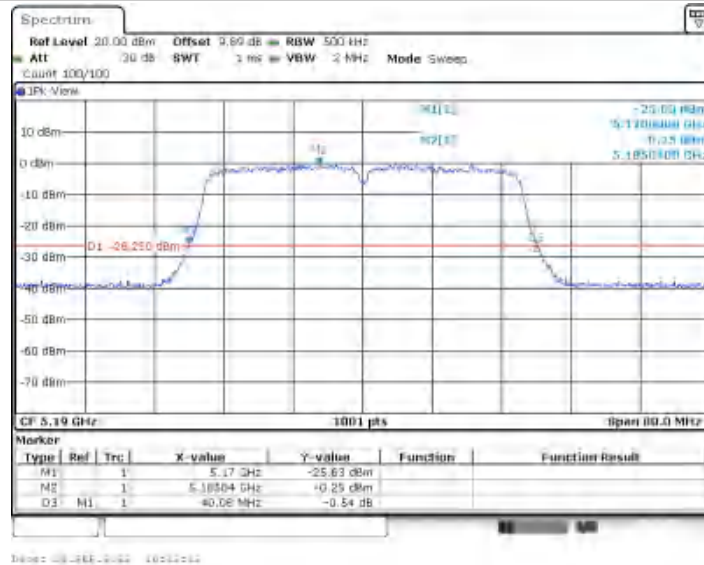
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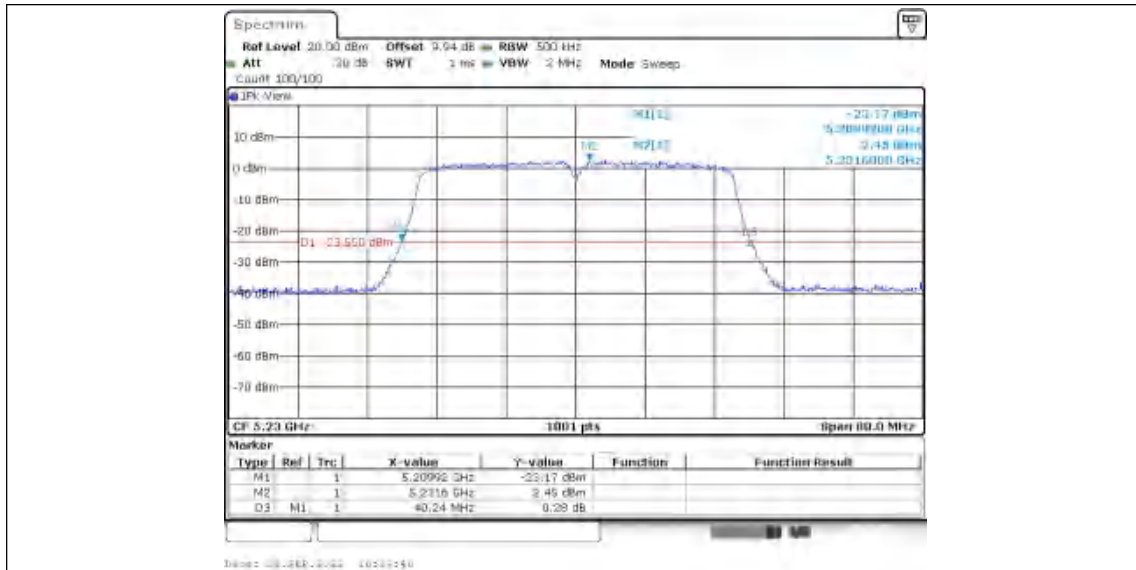
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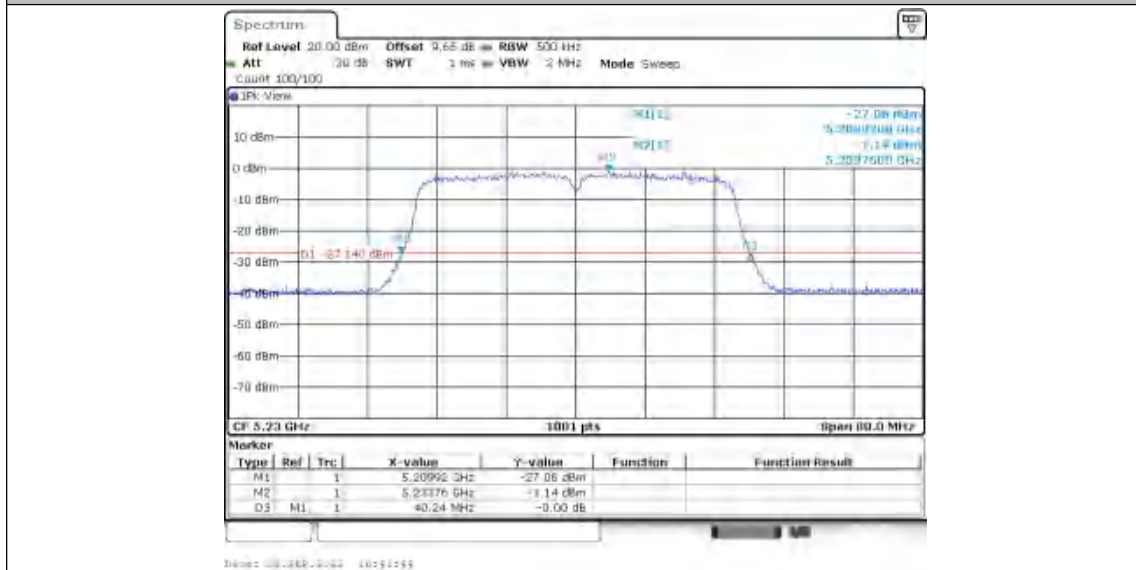
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11N40MIMO_Ant1_5230



11N40MIMO_Ant2_5230



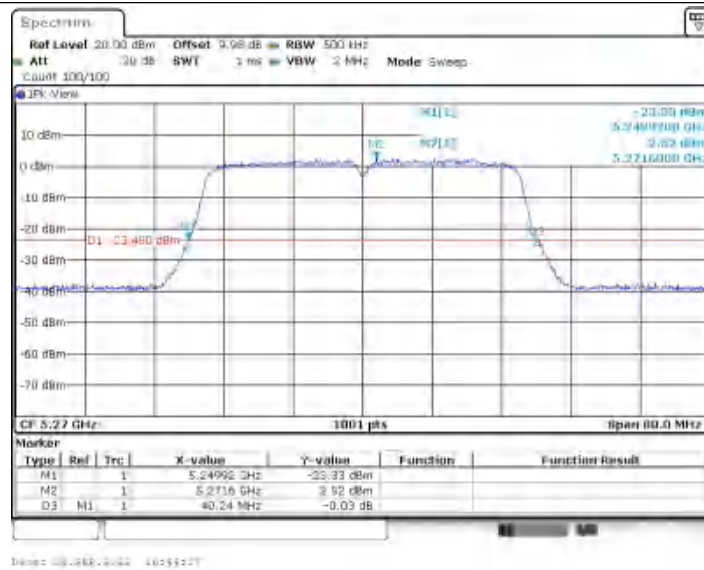
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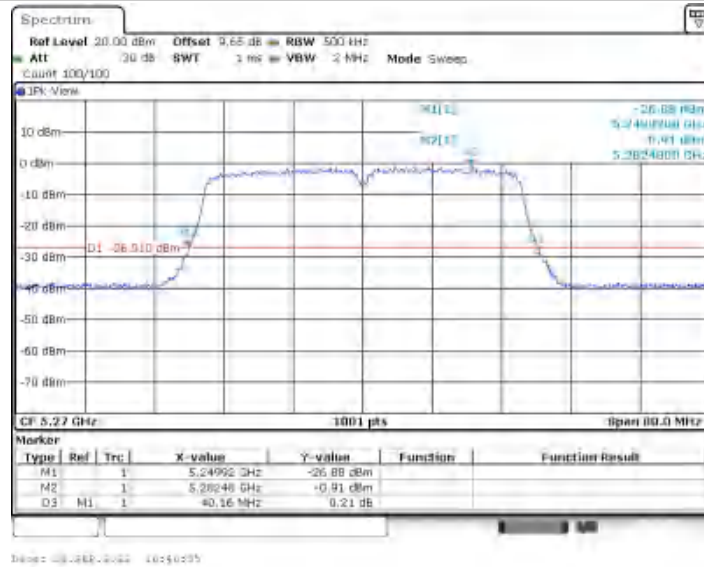
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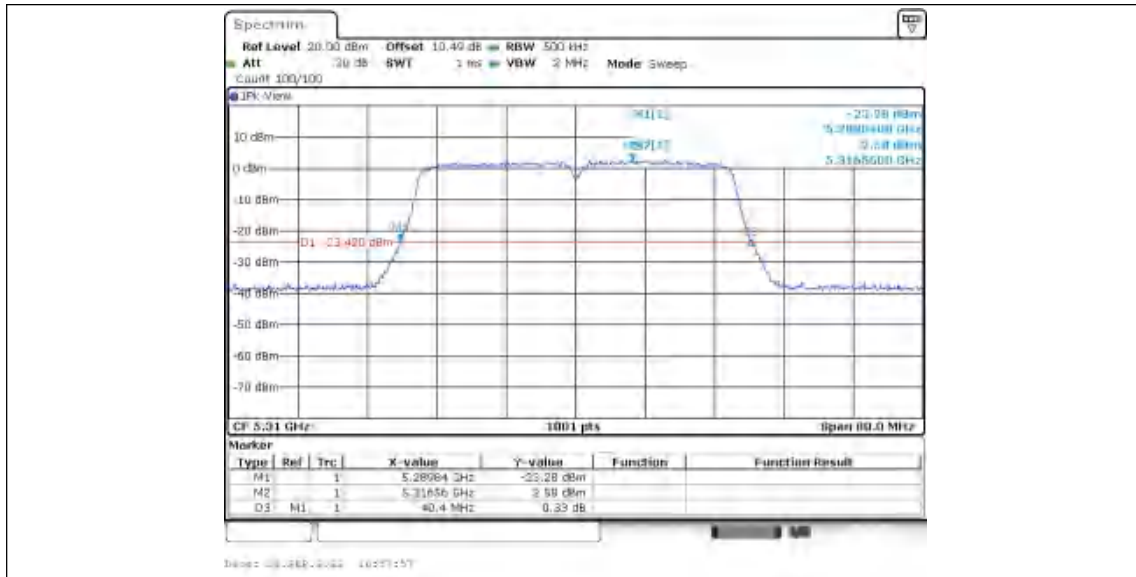
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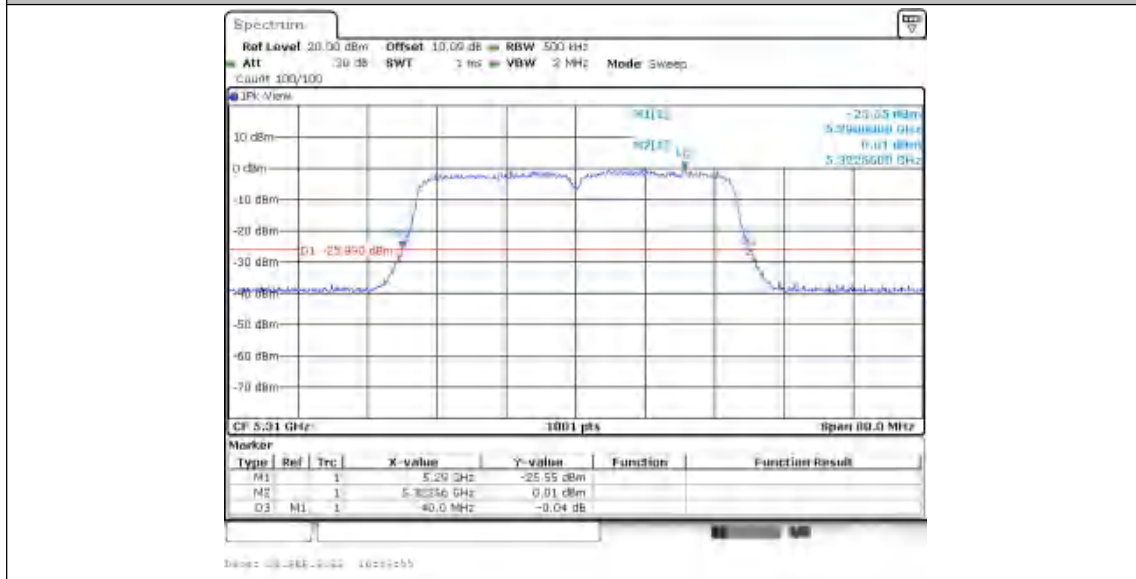
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11N40MIMO_Ant1_5310



11N40MIMO_Ant2_5310



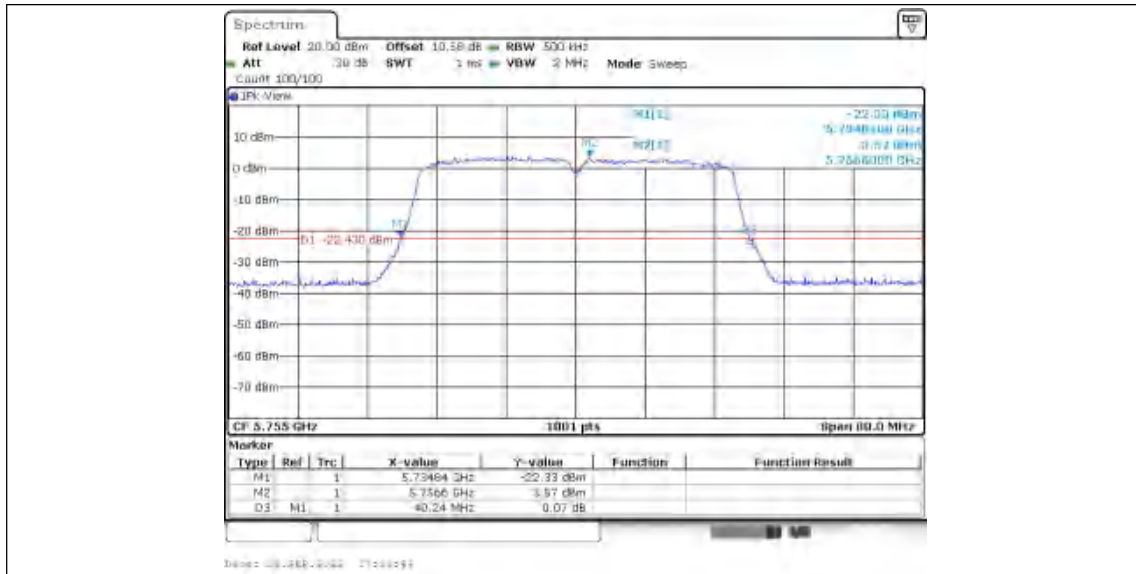
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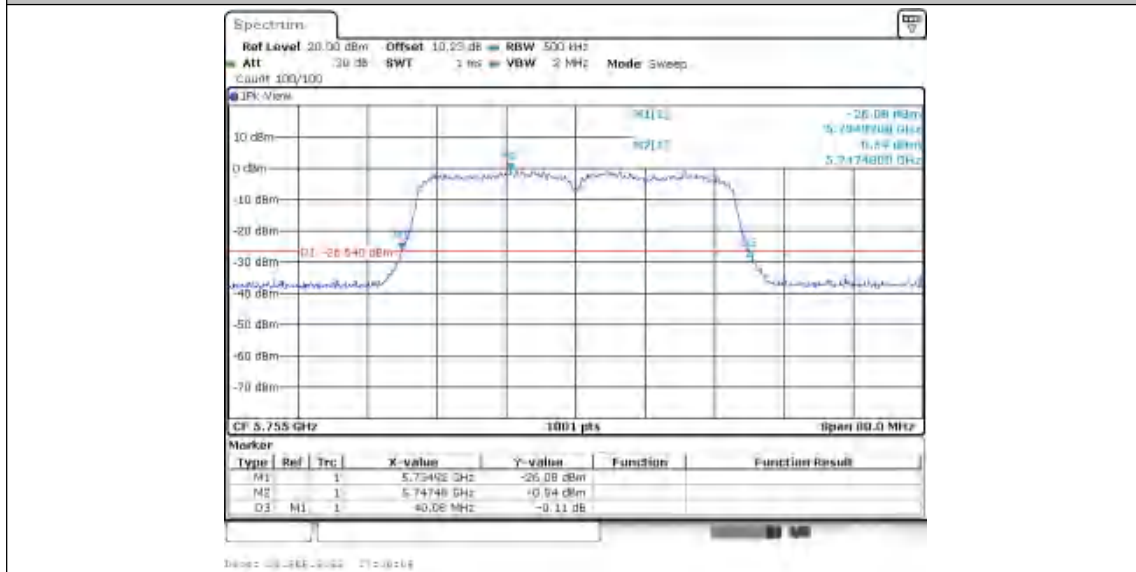
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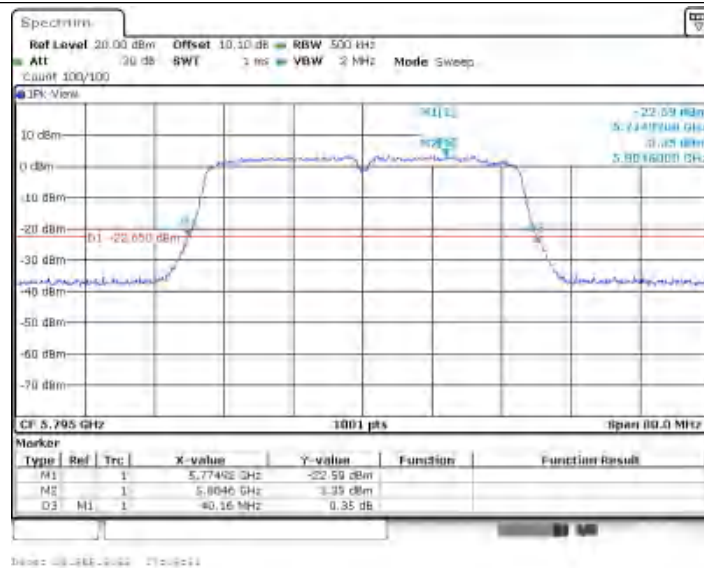
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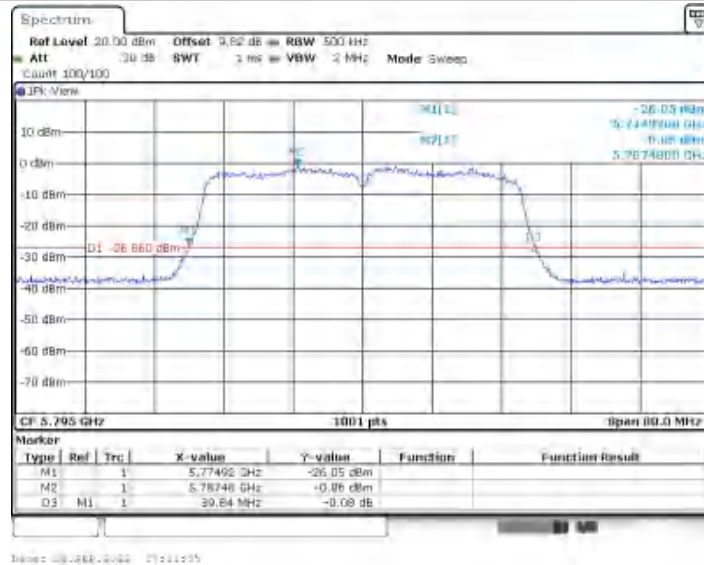
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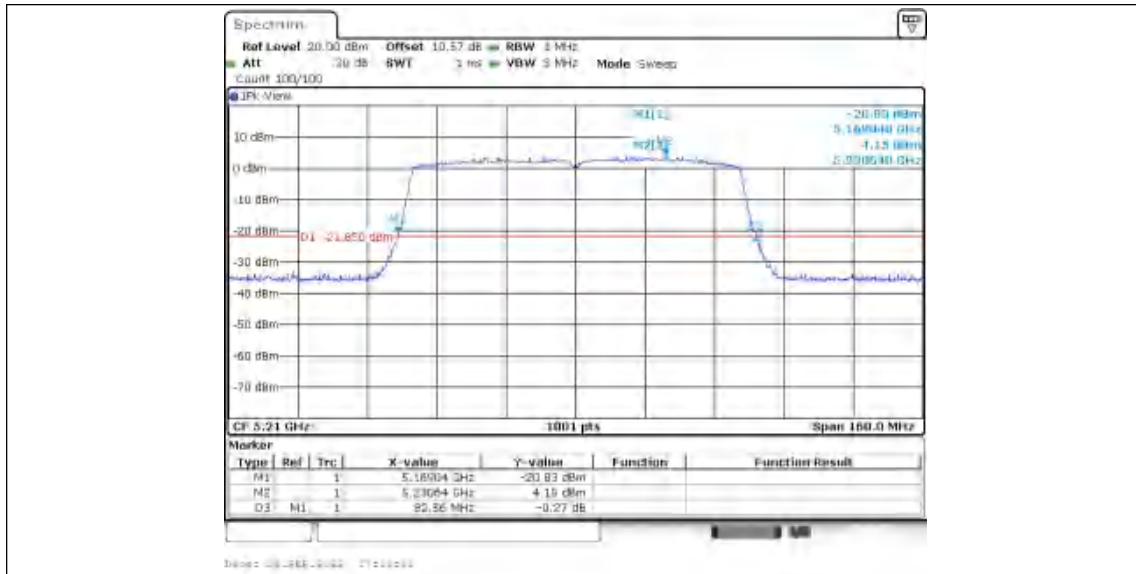
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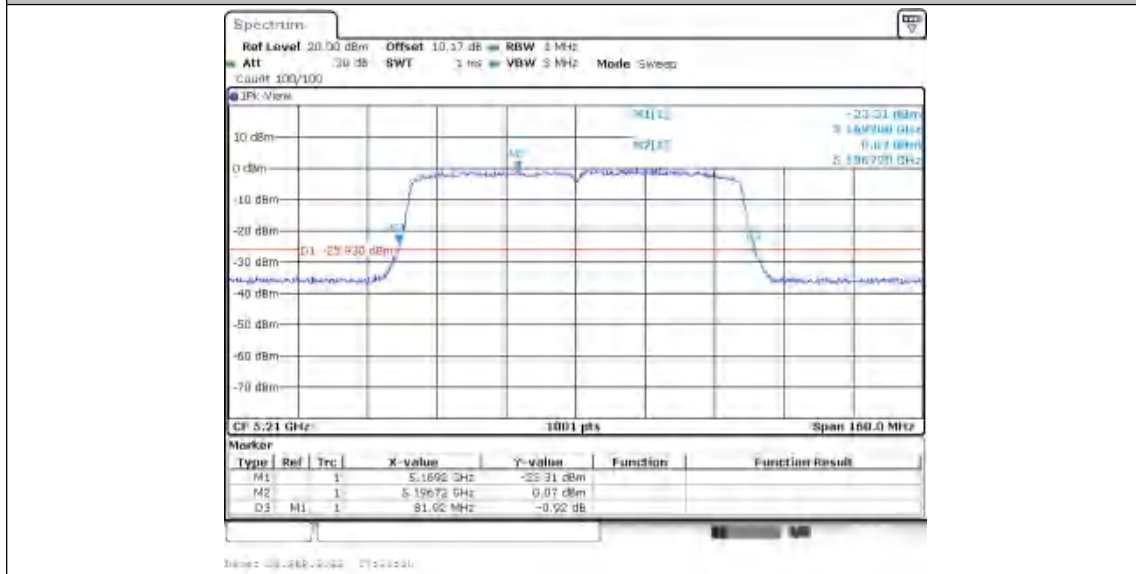
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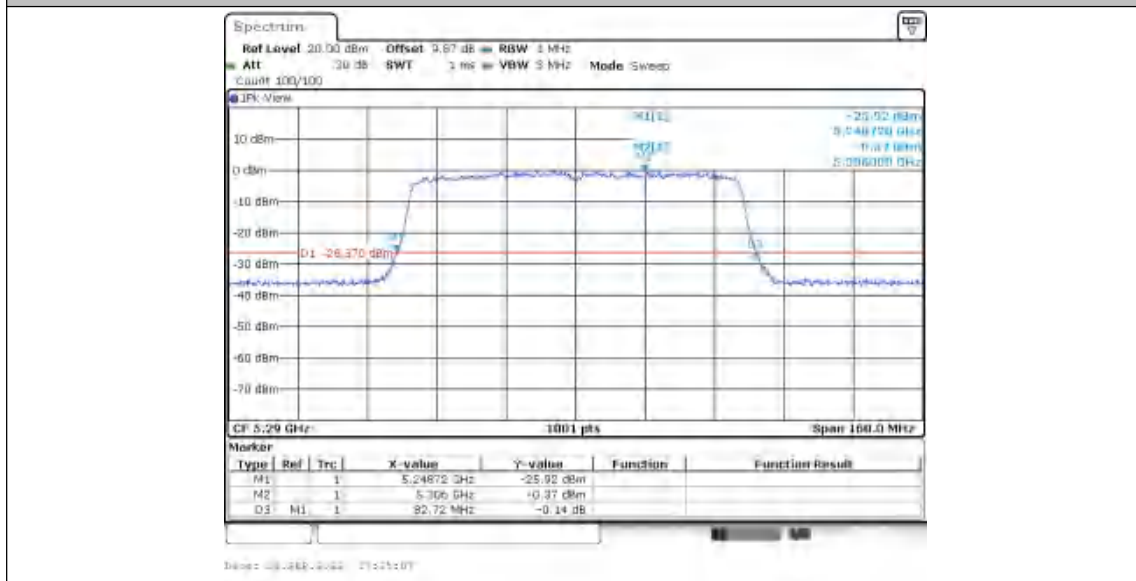
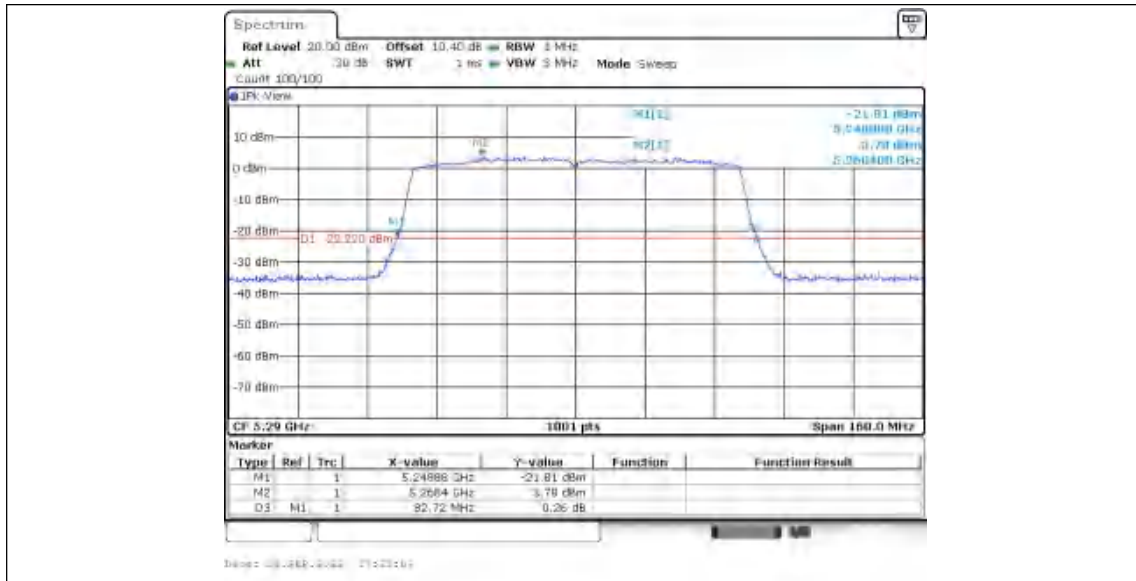
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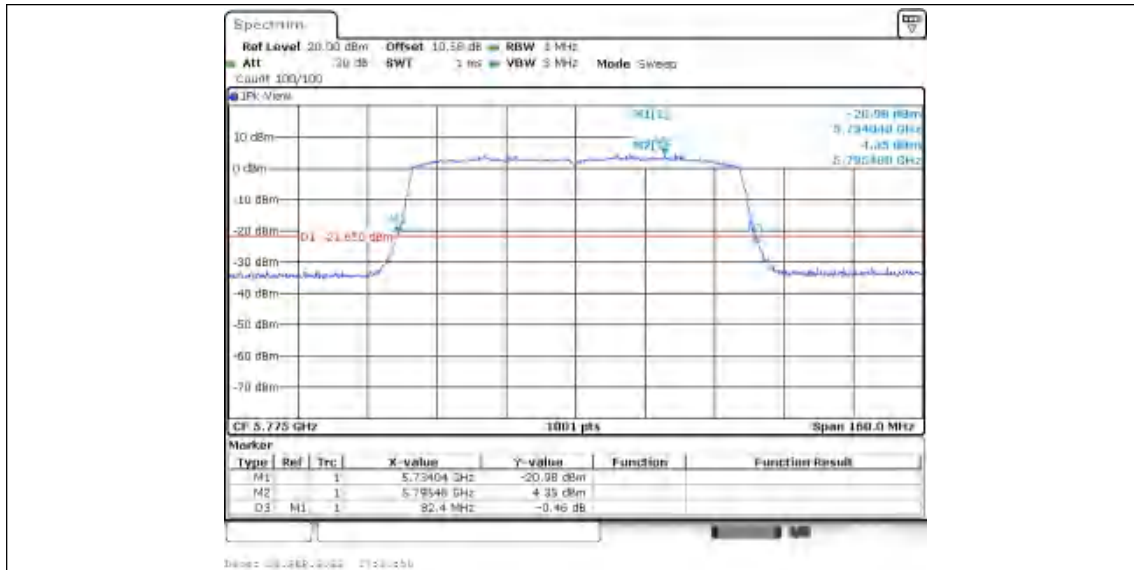


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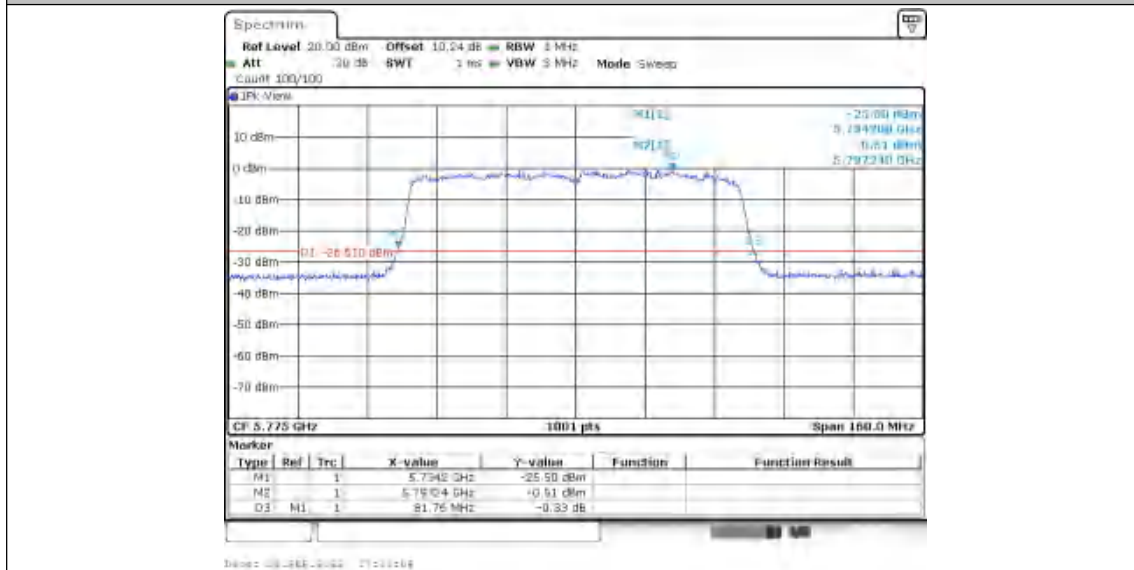


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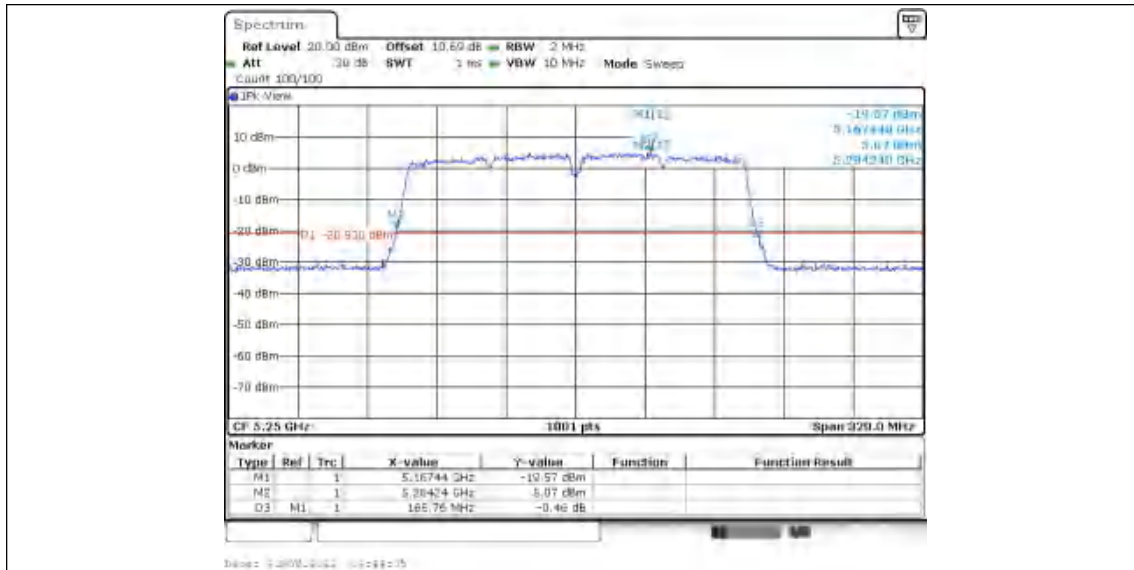




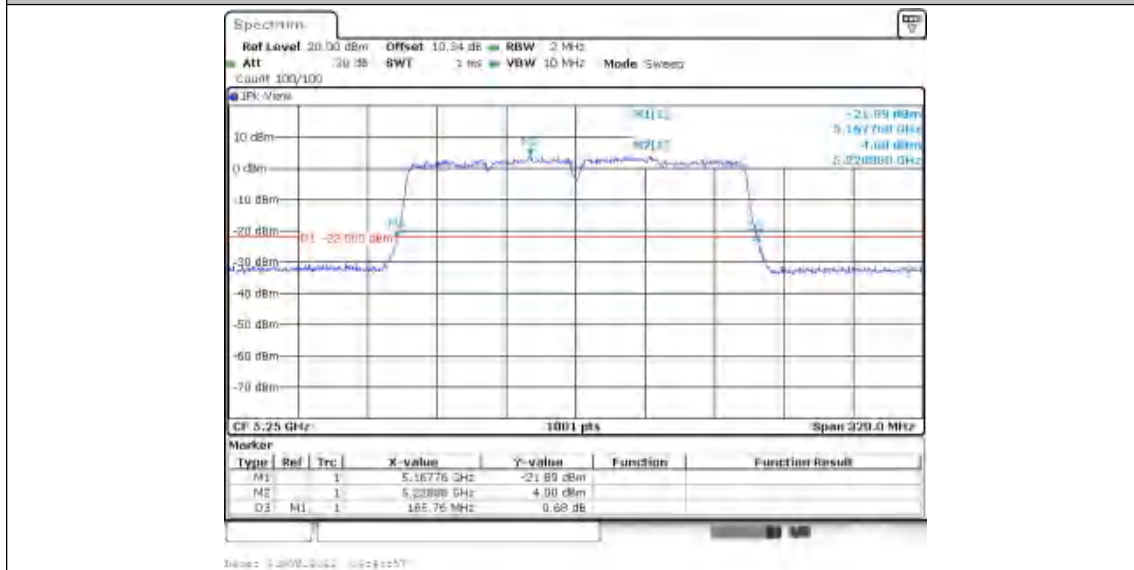
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11AC160MIMO_Ant1_5250



11AC160MIMO_Ant2_5250



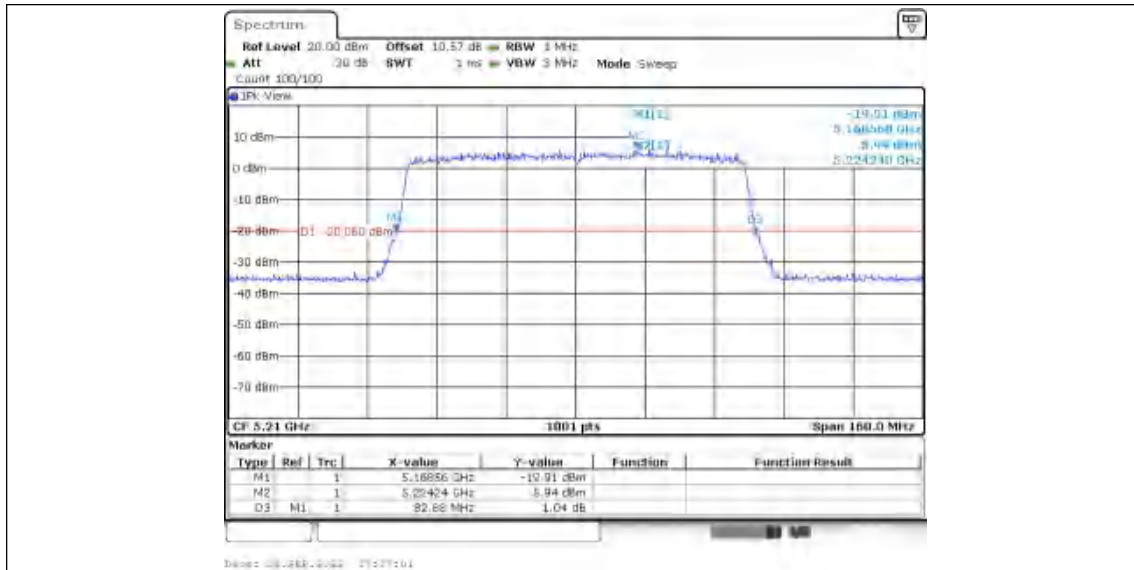
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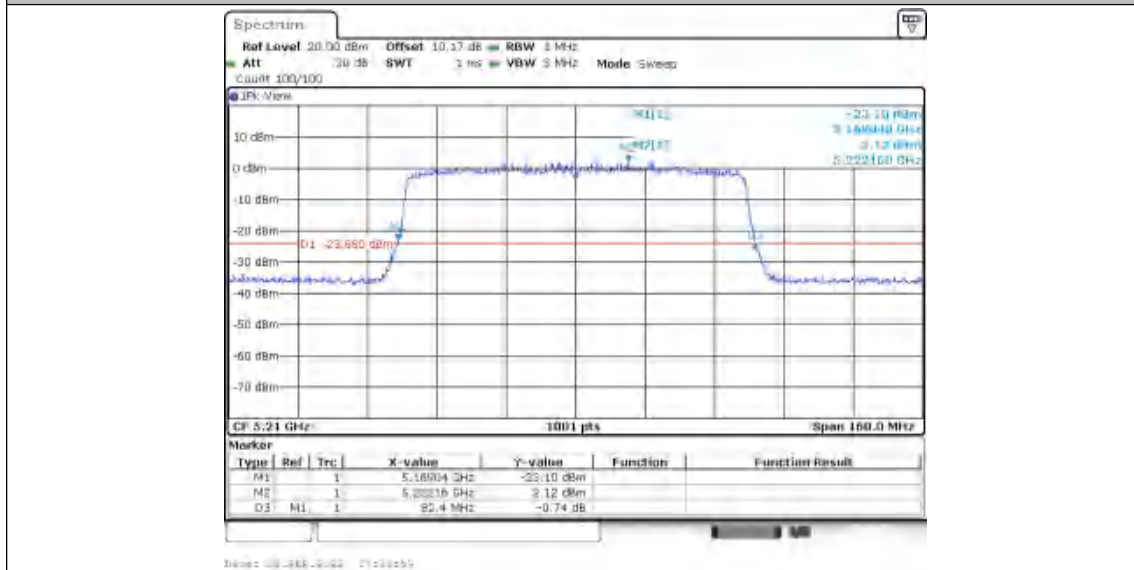
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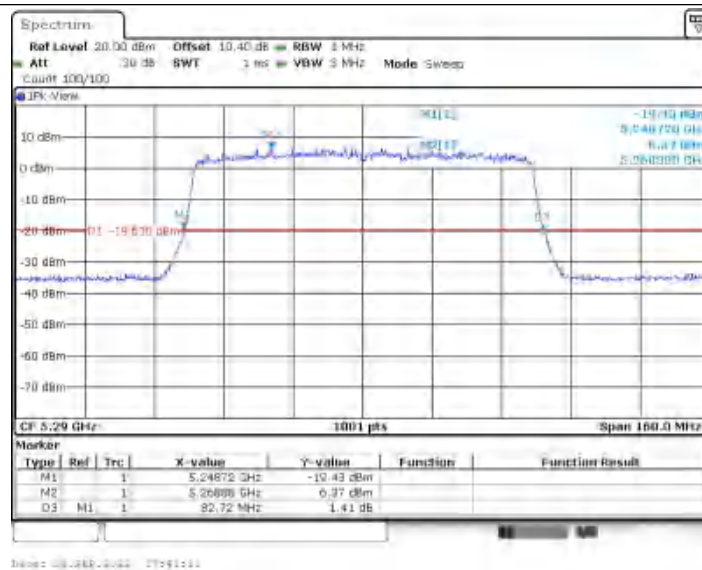
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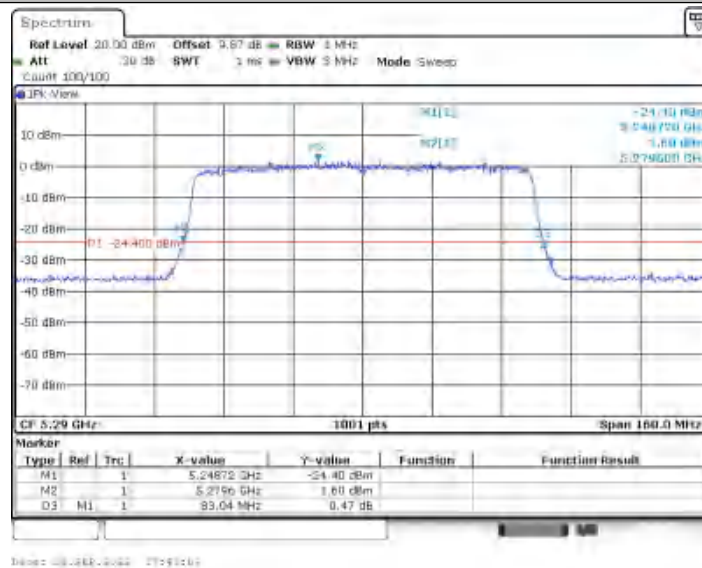
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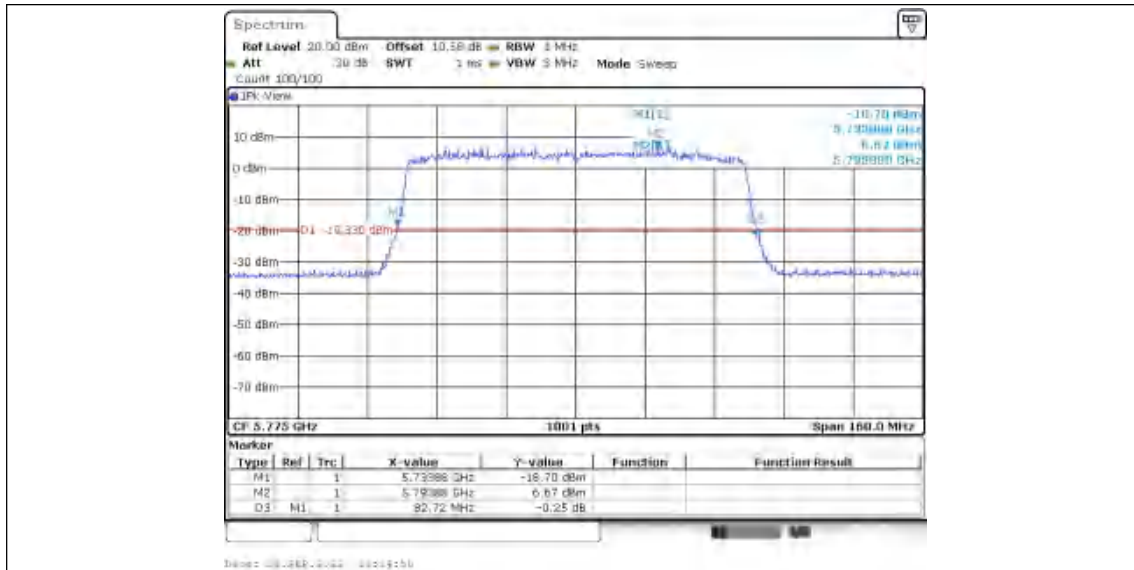
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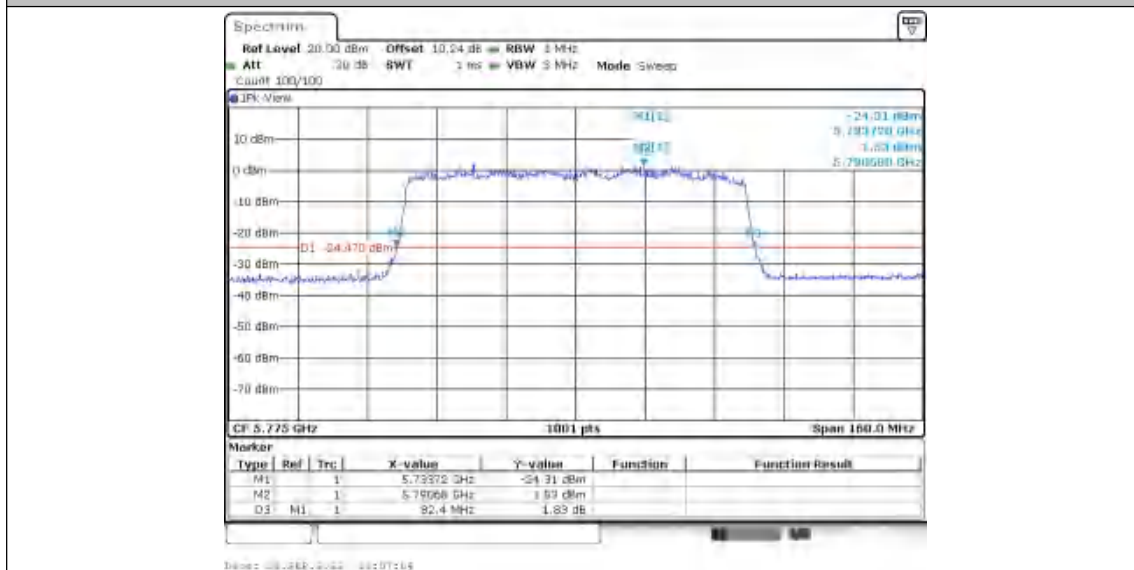
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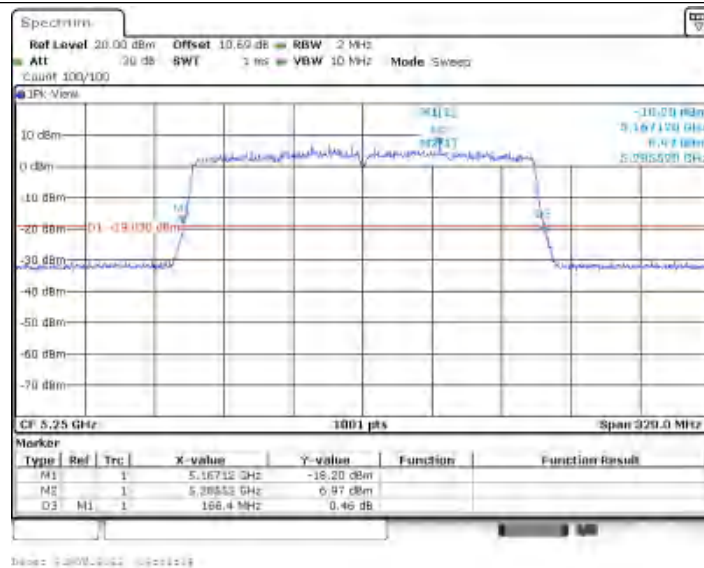
11AX80MIMO_Ant1_5775



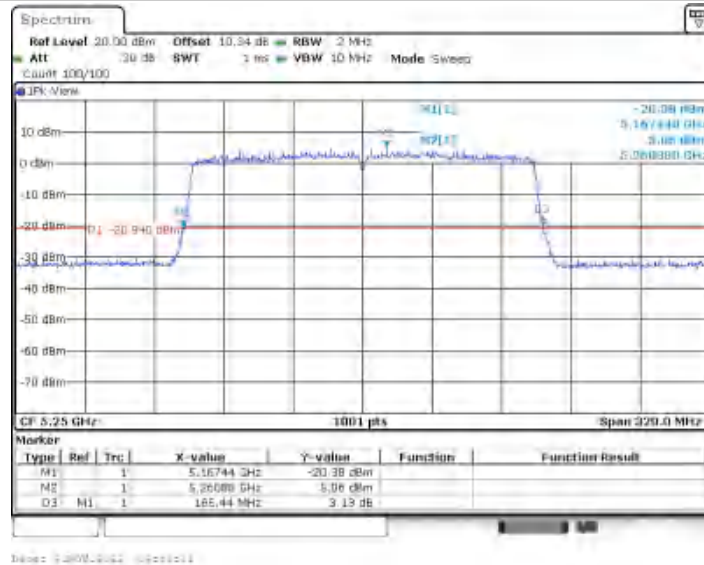
11AX80MIMO_Ant2_5775



11AX160MIMO_Ant1_5250



11AX160MIMO_Ant2_5250





Appendix A2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5180	16.703	5171.688	5188.392	---	---
	Ant2	5180	16.623	5171.688	5188.312	---	---
	Ant1	5220	16.743	5211.688	5228.432	---	---
	Ant2	5220	16.623	5211.688	5228.312	---	---
	Ant1	5240	16.703	5231.648	5248.352	---	---
	Ant2	5240	16.623	5231.648	5248.272	---	---
	Ant1	5260	16.743	5251.688	5268.432	---	---
	Ant2	5260	16.663	5251.648	5268.312	---	---
	Ant1	5300	16.783	5291.648	5308.432	---	---
	Ant2	5300	16.703	5291.648	5308.352	---	---
	Ant1	5320	16.703	5311.688	5328.392	---	---
	Ant2	5320	16.623	5311.688	5328.312	---	---
	Ant1	5745	16.623	5736.728	5753.352	---	---
	Ant2	5745	16.623	5736.688	5753.312	---	---
	Ant1	5785	16.663	5776.728	5793.392	---	---
	Ant2	5785	16.663	5776.648	5793.312	---	---
	Ant1	5825	16.703	5816.688	5833.392	---	---
	Ant2	5825	16.663	5816.648	5833.312	---	---
11N20MIMO	Ant1	5180	18.382	5170.849	5189.231	---	---
	Ant2	5180	18.302	5170.849	5189.151	---	---
	Ant1	5220	18.342	5210.889	5229.231	---	---
	Ant2	5220	18.302	5210.849	5229.151	---	---
	Ant1	5240	18.342	5230.849	5249.191	---	---
	Ant2	5240	18.342	5230.769	5249.111	---	---
	Ant1	5260	18.382	5250.849	5269.231	---	---
	Ant2	5260	18.382	5250.809	5269.191	---	---
	Ant1	5300	18.422	5290.809	5309.231	---	---
	Ant2	5300	18.342	5290.809	5309.151	---	---
	Ant1	5320	18.302	5310.889	5329.191	---	---
	Ant2	5320	18.262	5310.849	5329.111	---	---
	Ant1	5745	18.342	5735.889	5754.231	---	---
	Ant2	5745	18.222	5735.849	5754.071	---	---
	Ant1	5785	18.382	5775.849	5794.231	---	---
	Ant2	5785	18.302	5775.809	5794.111	---	---



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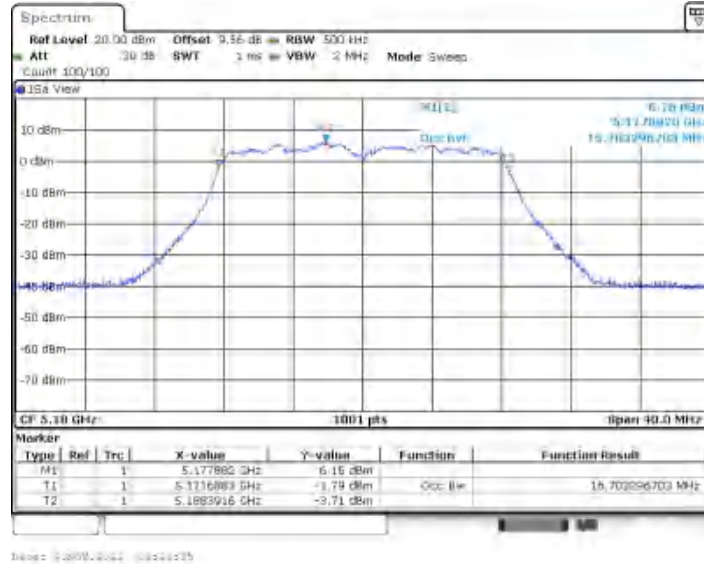
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	Ant1	5825	18.422	5815.809	5834.231	---	---
	Ant2	5825	18.382	5815.729	5834.111	---	---
11N40MIMO	Ant1	5190	36.204	5171.858	5208.062	---	---
	Ant2	5190	36.204	5171.858	5208.062	---	---
	Ant1	5230	36.204	5211.938	5248.142	---	---
	Ant2	5230	36.204	5211.858	5248.062	---	---
	Ant1	5270	36.124	5251.938	5288.062	---	---
	Ant2	5270	36.284	5251.858	5288.142	---	---
	Ant1	5310	36.284	5291.858	5328.142	---	---
	Ant2	5310	36.284	5291.858	5328.142	---	---
	Ant1	5755	36.124	5736.938	5773.062	---	---
	Ant2	5755	36.284	5736.778	5773.062	---	---
	Ant1	5795	36.124	5776.938	5813.062	---	---
	Ant2	5795	36.204	5776.778	5812.982	---	---
11AC80MIMO	Ant1	5210	75.764	5172.118	5247.882	---	---
	Ant2	5210	75.445	5172.278	5247.722	---	---
	Ant1	5290	75.604	5252.278	5327.882	---	---
	Ant2	5290	75.604	5252.278	5327.882	---	---
	Ant1	5775	75.604	5737.118	5812.722	---	---
	Ant2	5775	75.445	5737.118	5812.562	---	---
11AC160MIMO	Ant1	5250	156.004	5172.318	5328.322	---	---
	Ant2	5250	156.004	5172.318	5328.322	---	---
11AX80MIMO	Ant1	5210	77.522	5171.319	5248.841	---	---
	Ant2	5210	77.522	5171.159	5248.681	---	---
	Ant1	5290	77.522	5251.319	5328.841	---	---
	Ant2	5290	77.522	5251.319	5328.841	---	---
	Ant1	5775	77.522	5736.319	5813.841	---	---
	Ant2	5775	77.522	5736.159	5813.681	---	---
11AX160MIMO	Ant1	5250	157.602	5171.359	5328.961	---	---
	Ant2	5250	157.602	5171.359	5328.961	---	---

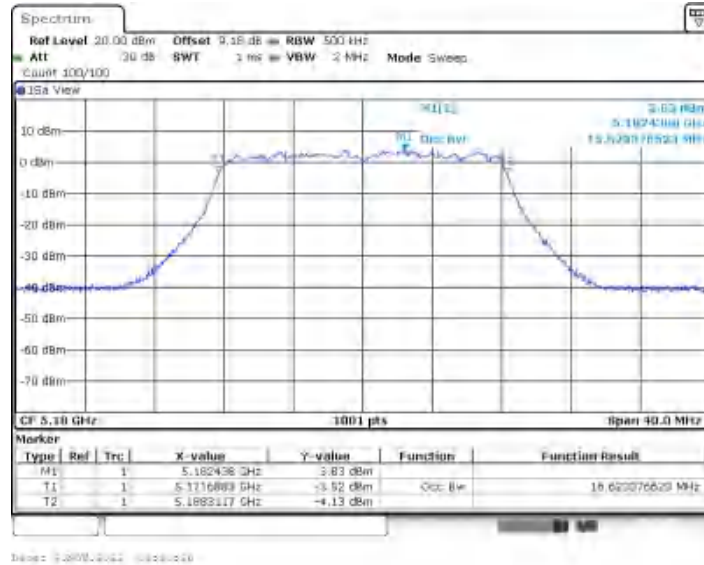


Test Graphs

11A-CDD_Ant1_5180



11A-CDD_Ant2_5180



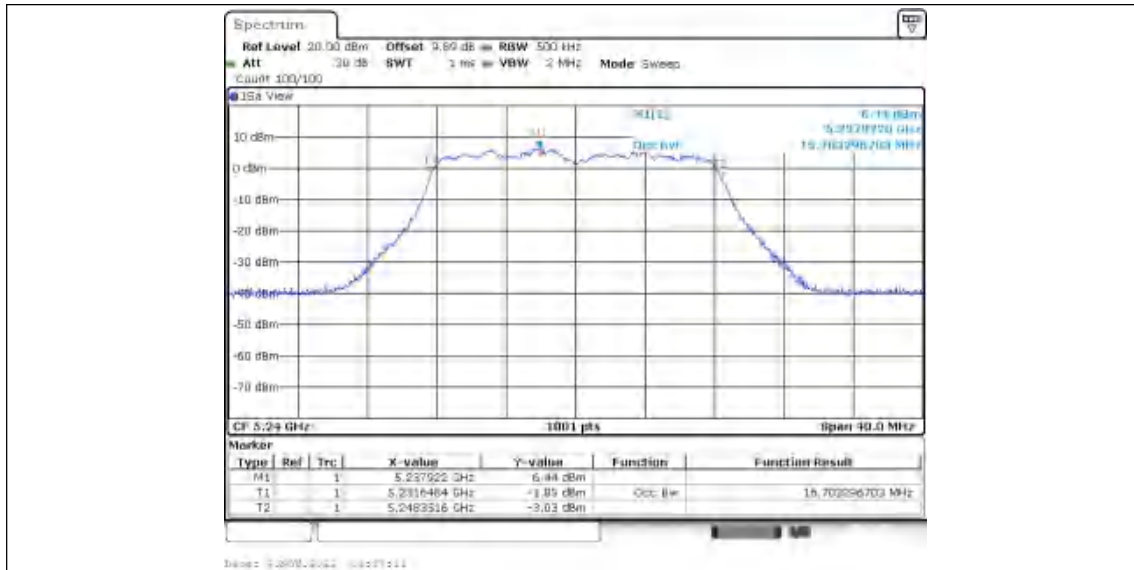
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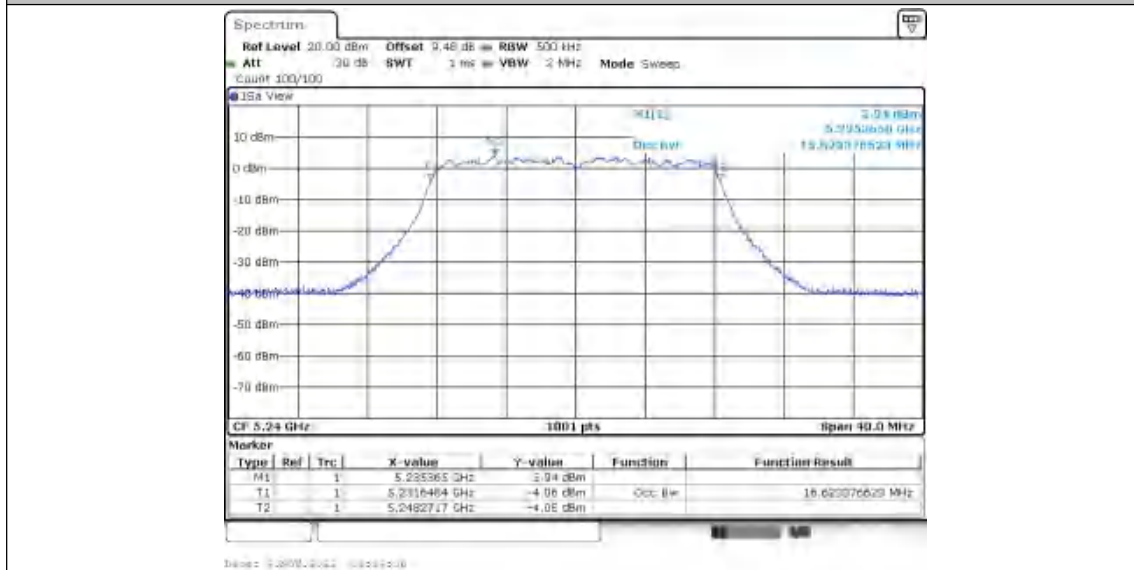
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11A-CDD_Ant1_5240



11A-CDD_Ant2_5240



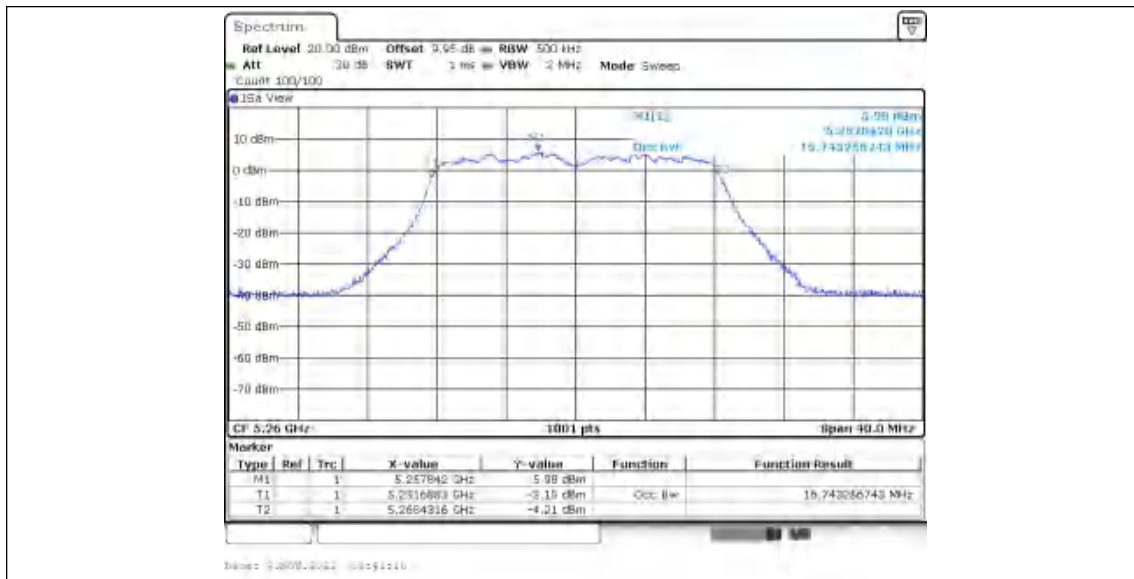
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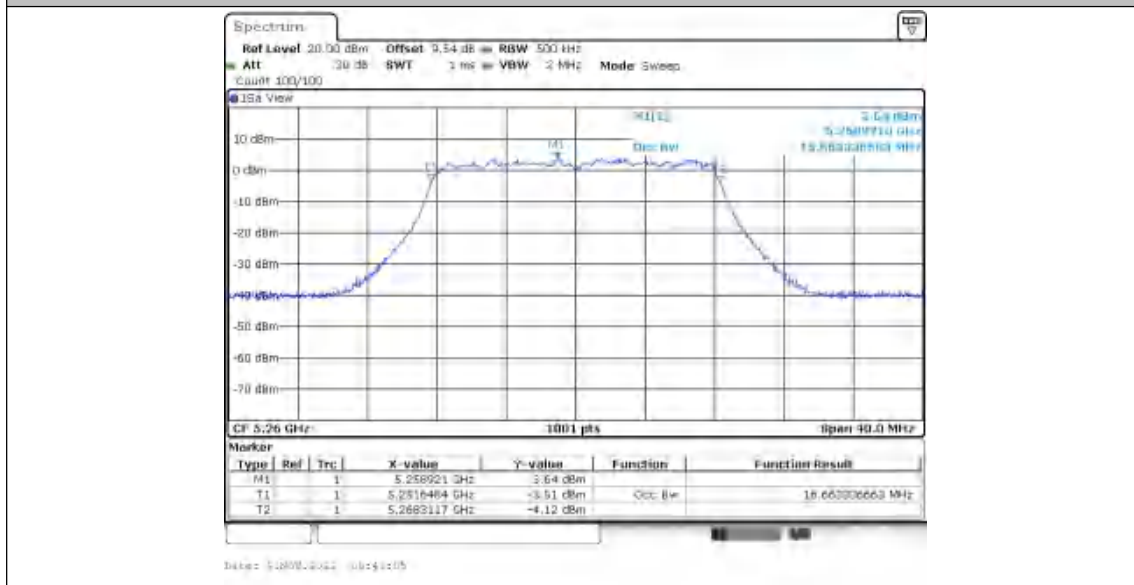
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11A-CDD_Ant2_5260



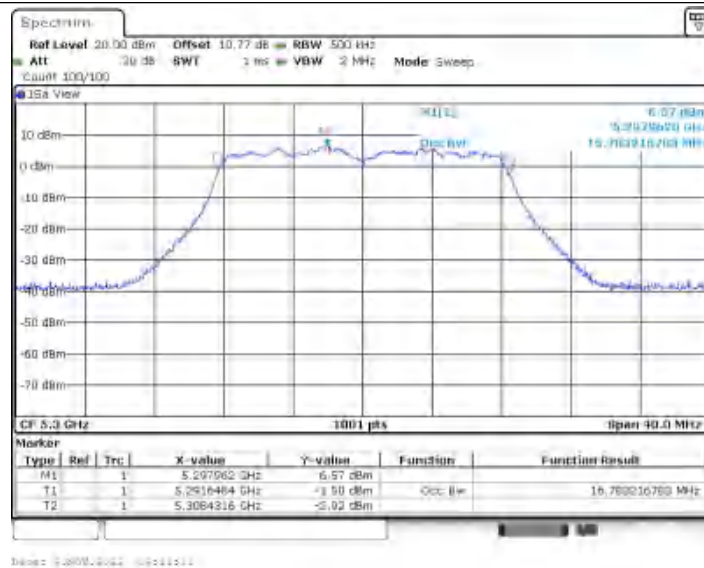
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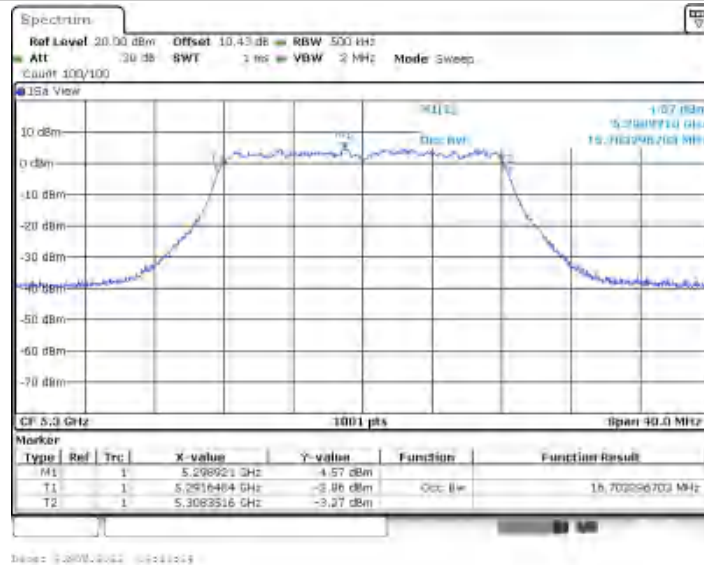
CVC Testing Technology Co., Ltd.

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11A-CDD_Ant2_5300



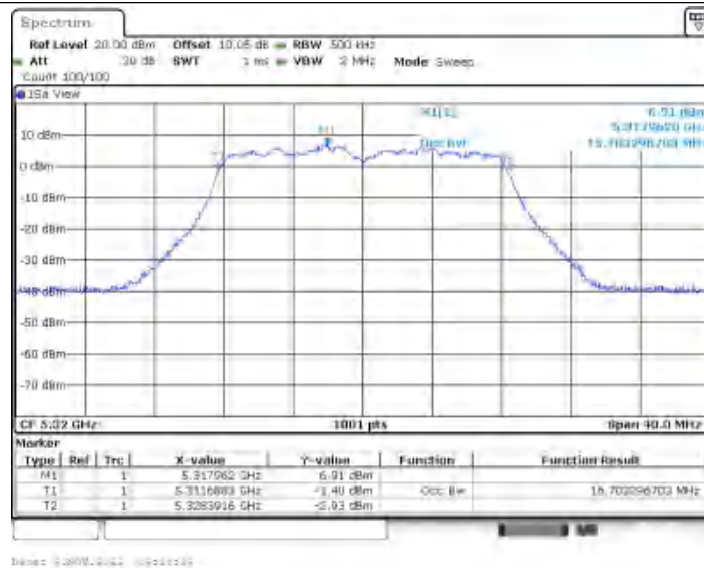
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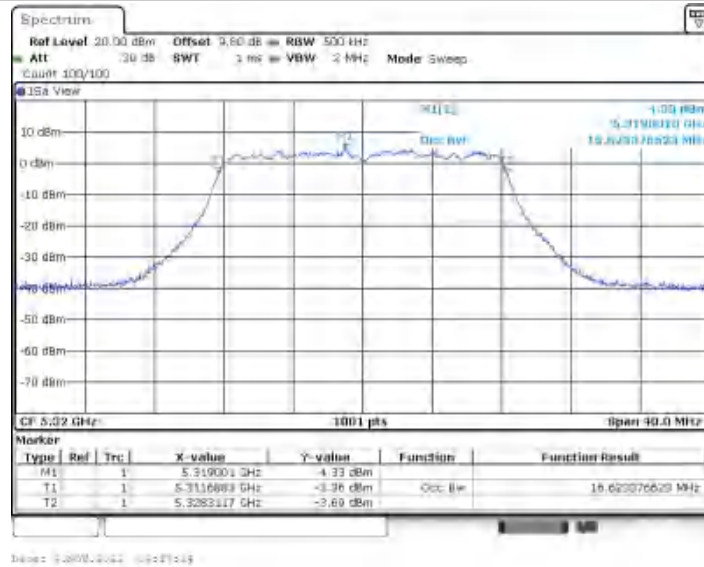
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11A-CDD_Ant2_5320



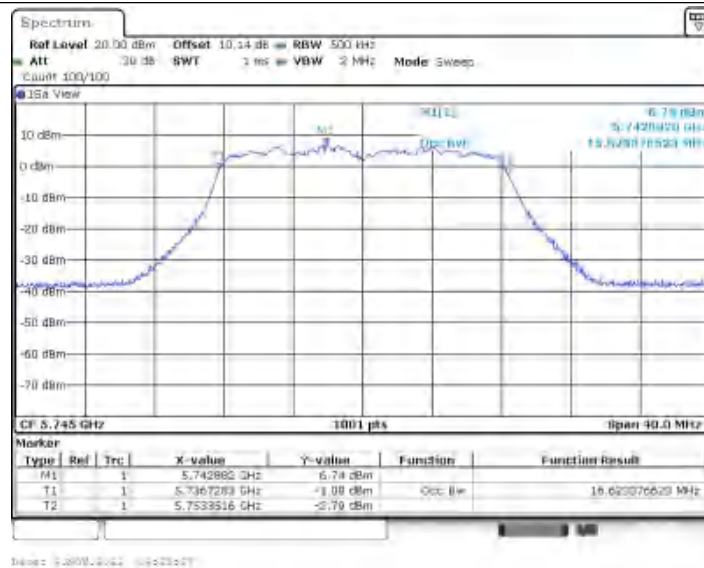
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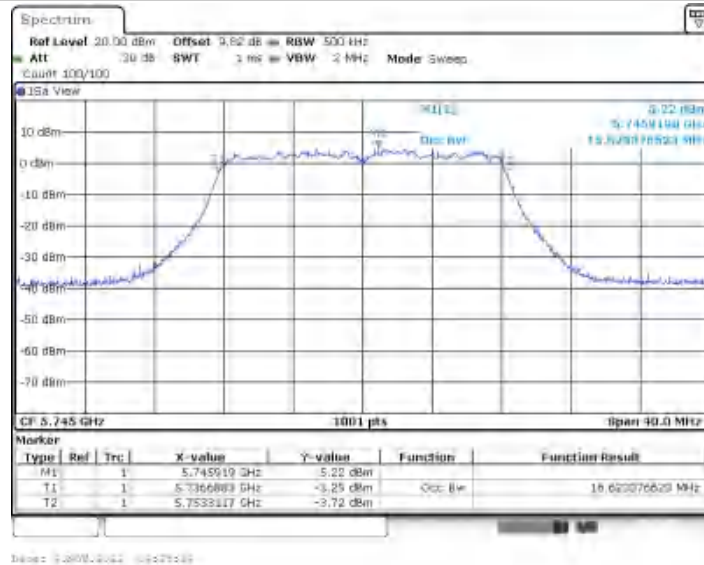
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11A-CDD_Ant2_5745



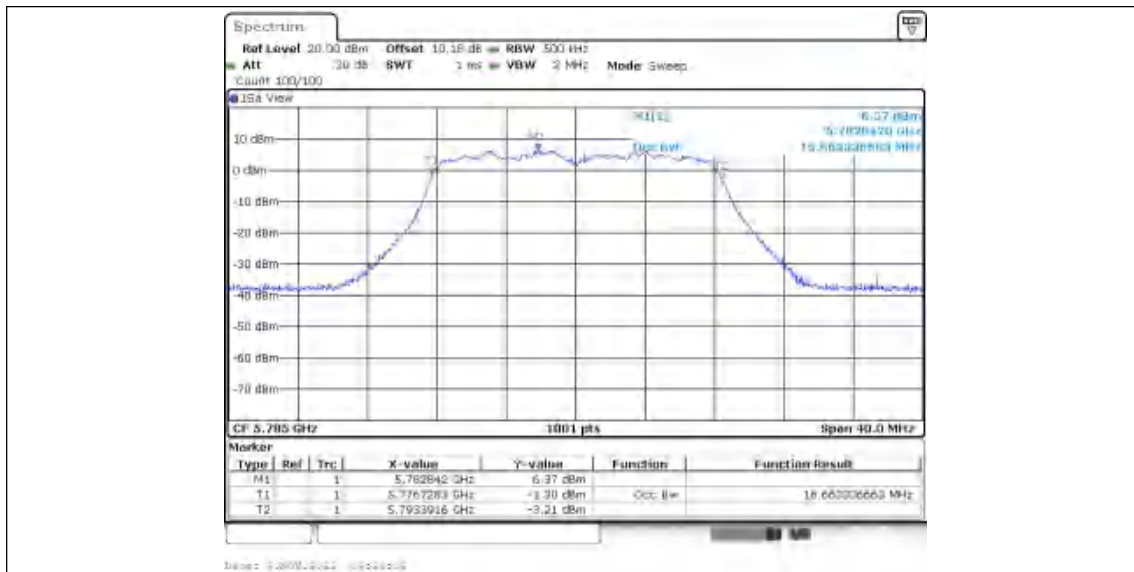
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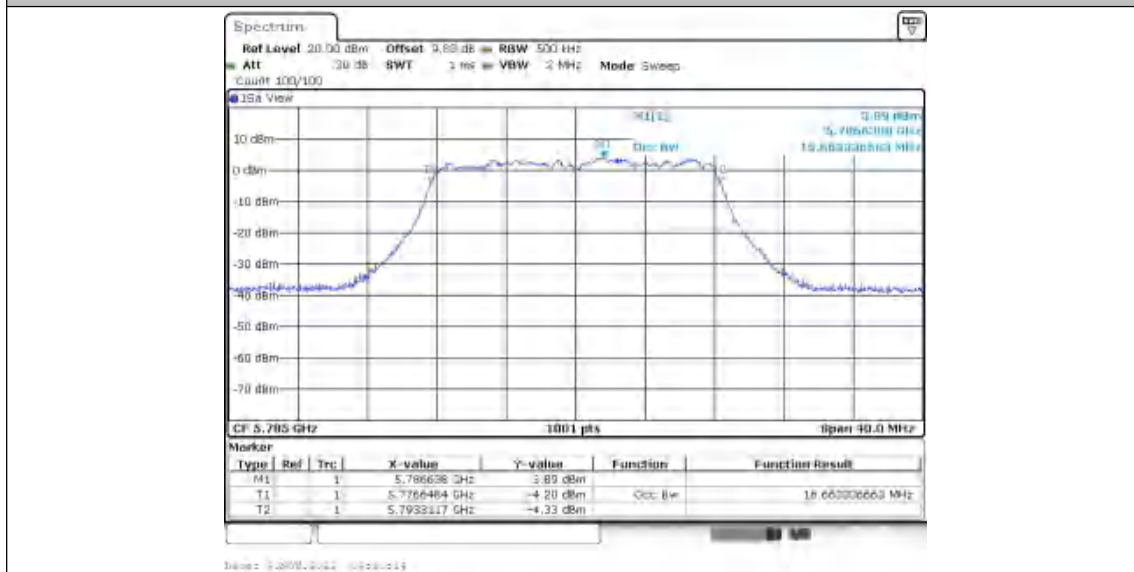
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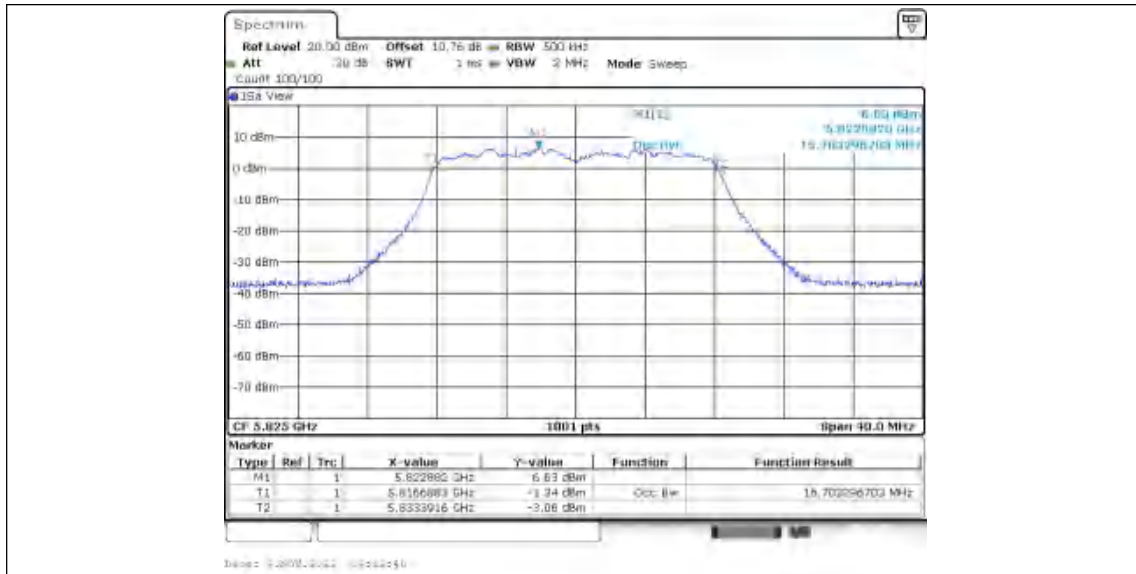
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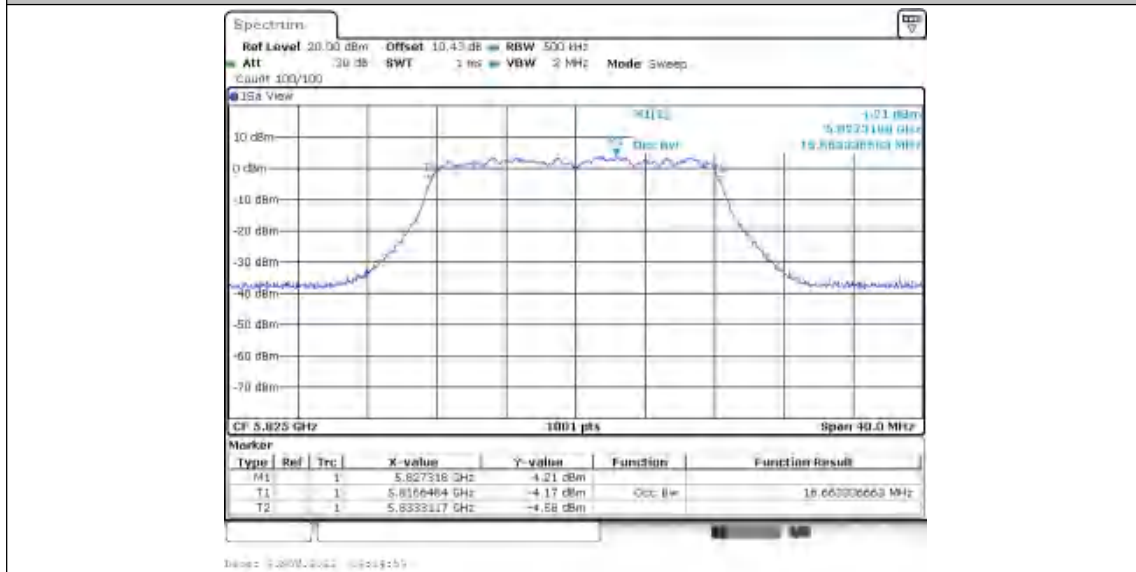
11A-CDD_Ant2_5785



11A-CDD_Ant1_5825



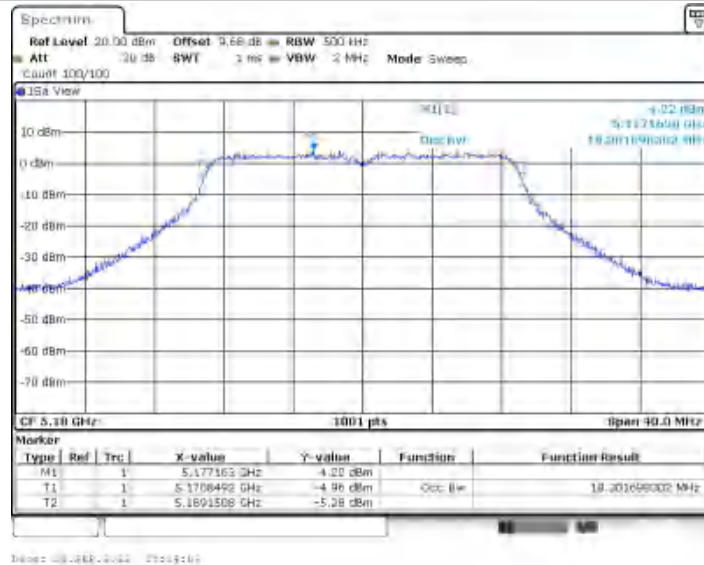
11A-CDD_Ant2_5825



11N20MIMO_Ant1_5180



11N20MIMO_Ant2_5180



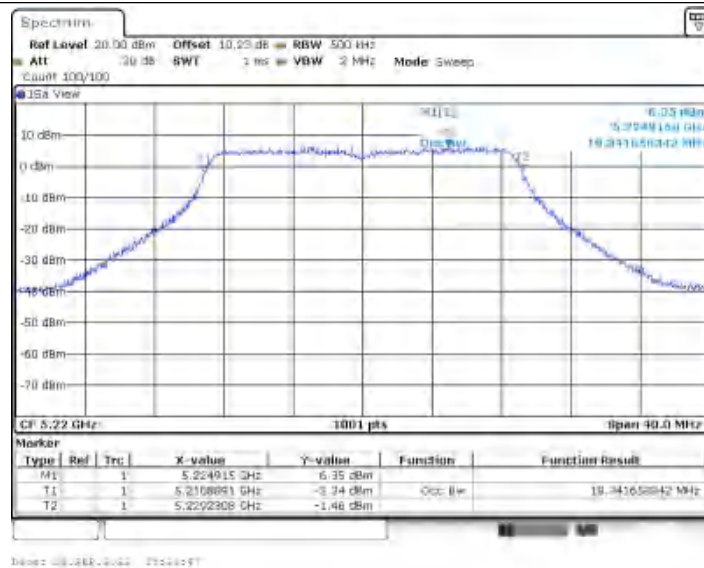
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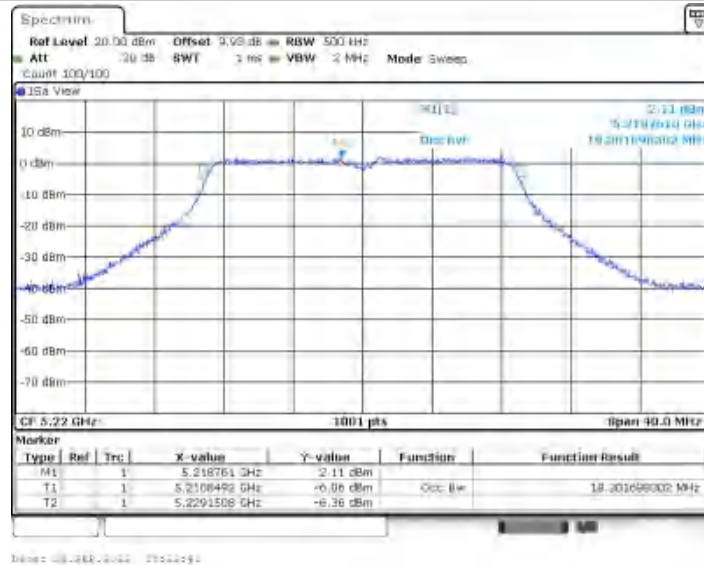
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11N20MIMO_Ant2_5220



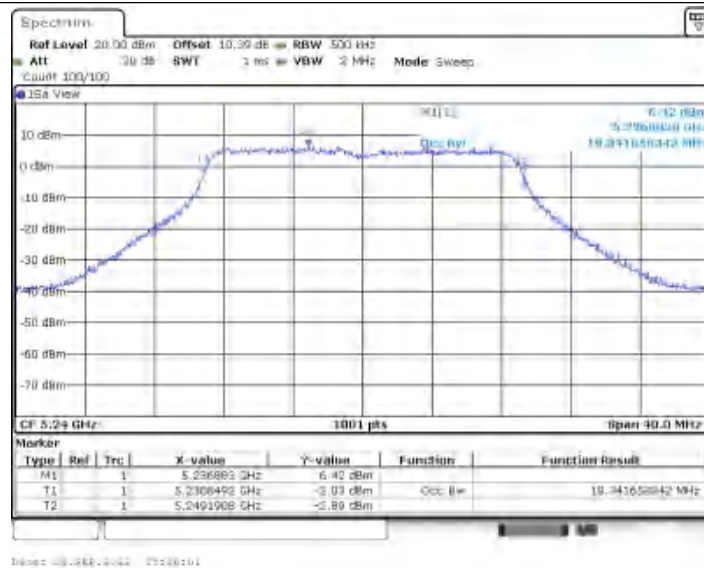
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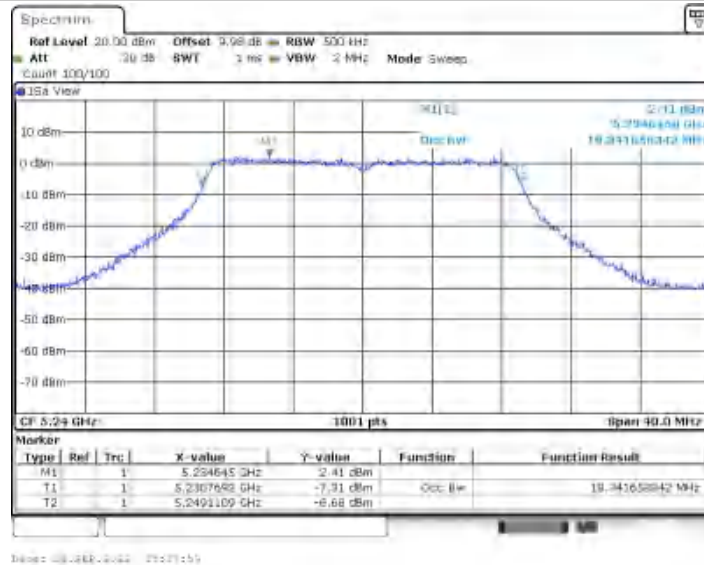
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11N20MIMO_Ant2_5240

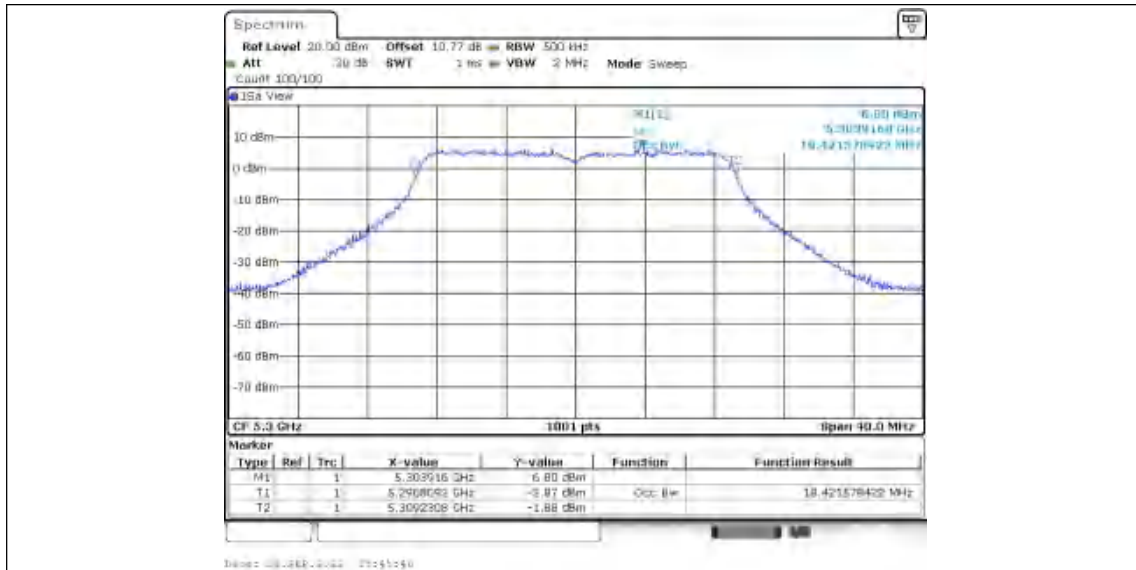


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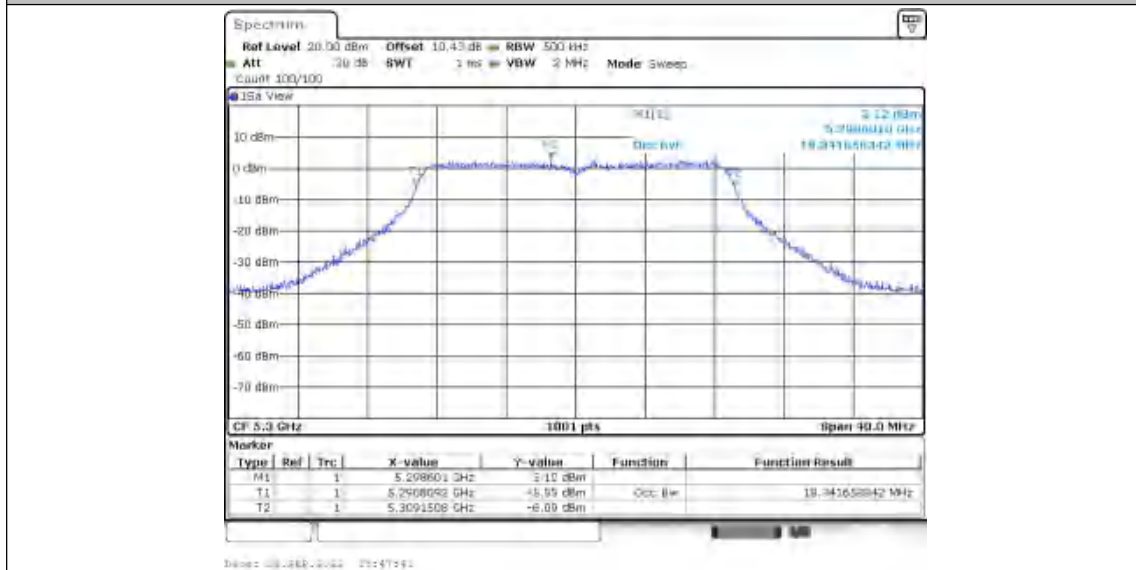


11N20MIMO_Ant1_5300





11N20MIMO_Ant2_5300



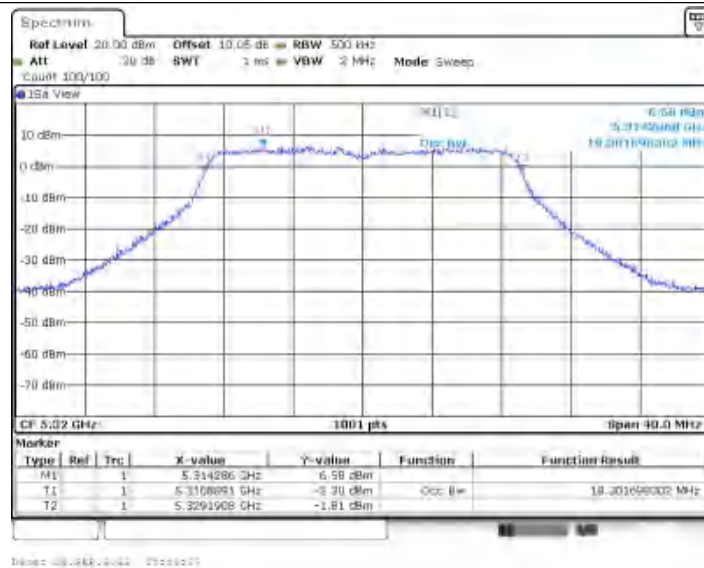
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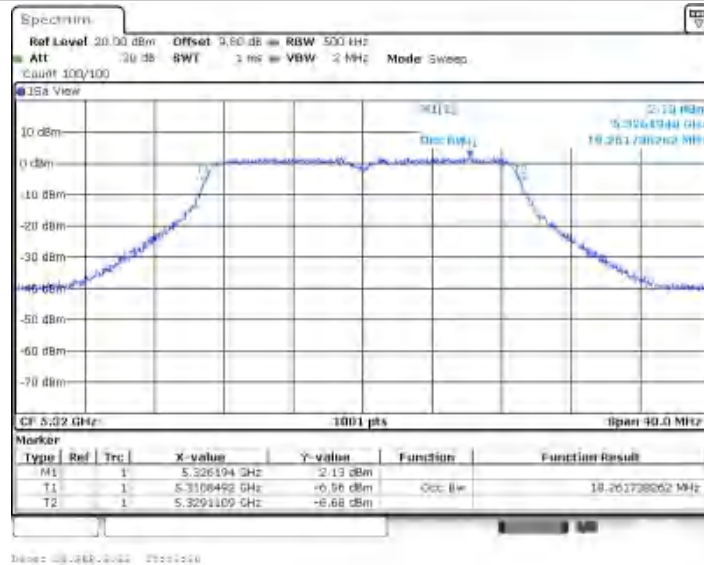
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11N20MIMO_Ant2_5320



11N20MIMO_Ant1_5745



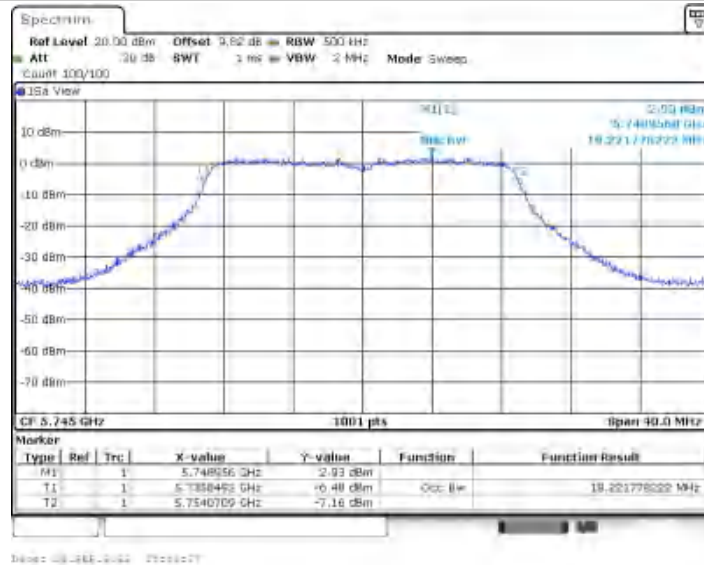
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11N20MIMO_Ant2_5745



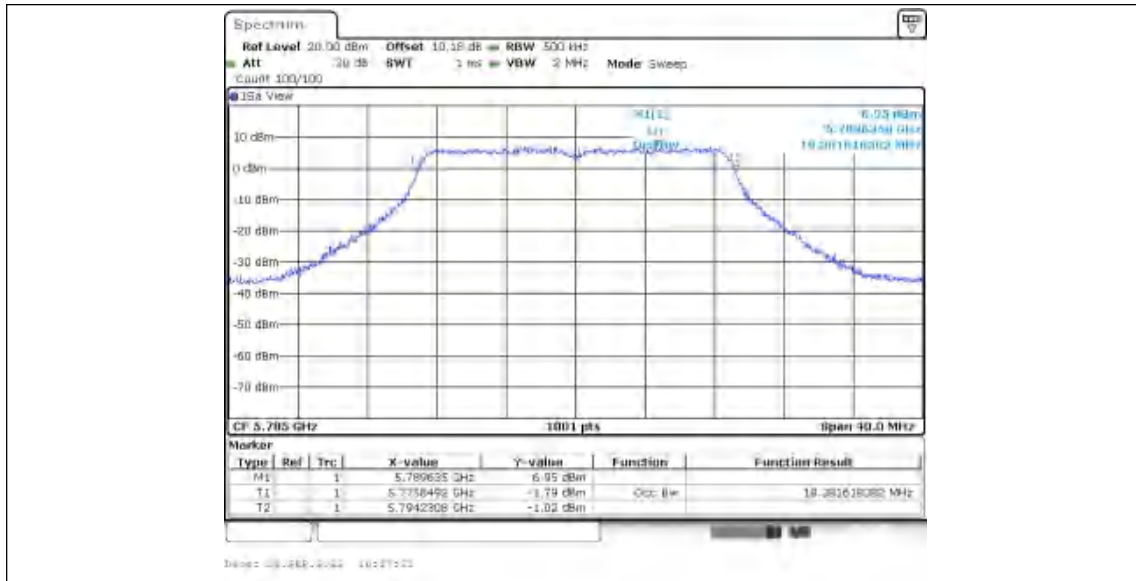
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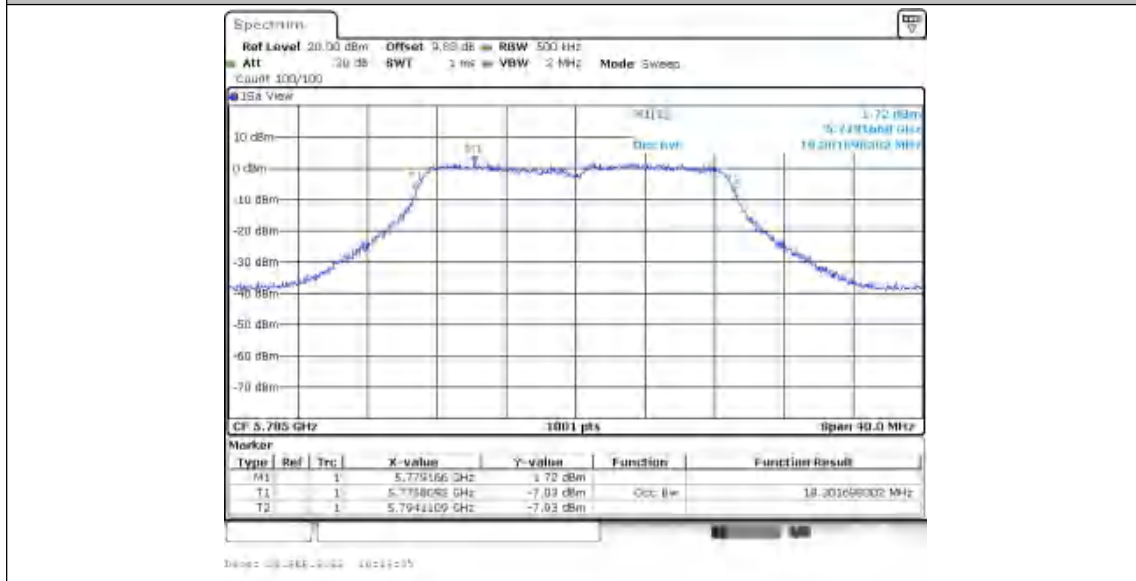
CVC Testing Technology Co., Ltd.

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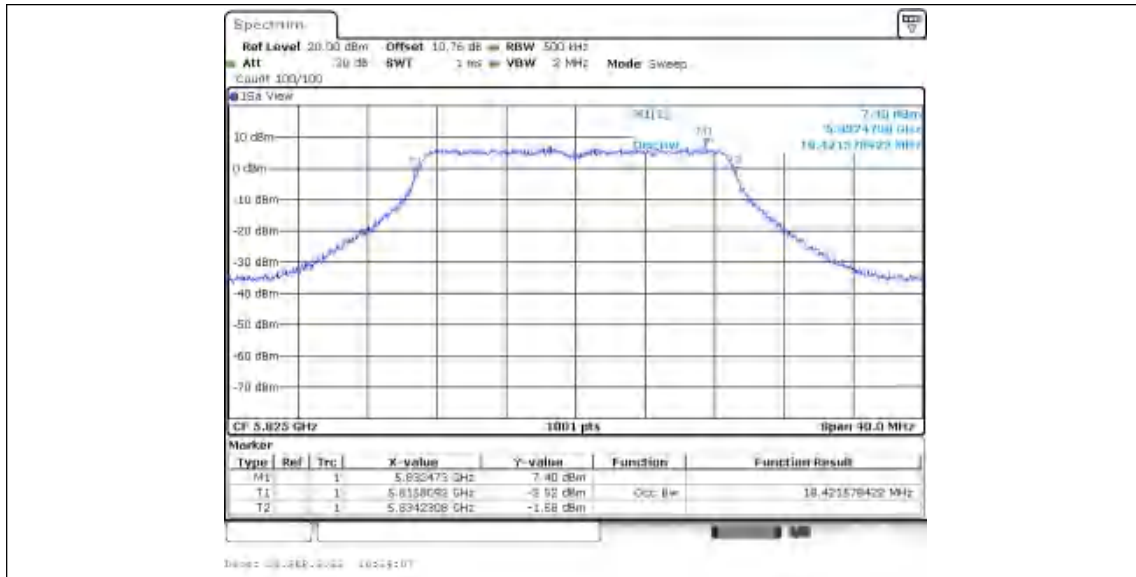
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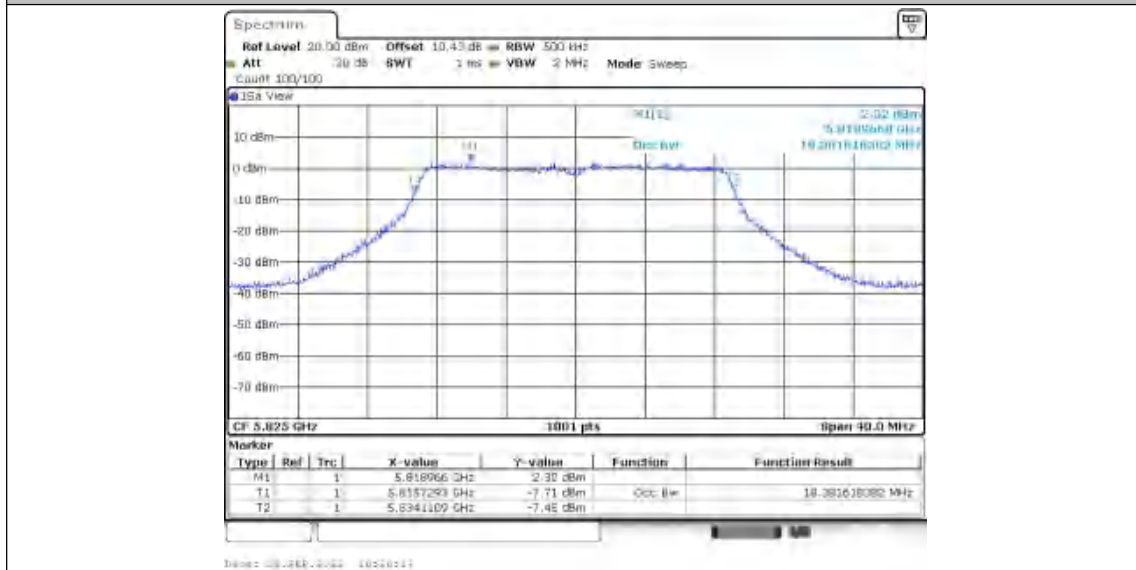
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11N20MIMO_Ant1_5825



11N20MIMO_Ant2_5825



11N40MIMO_Ant1_5190



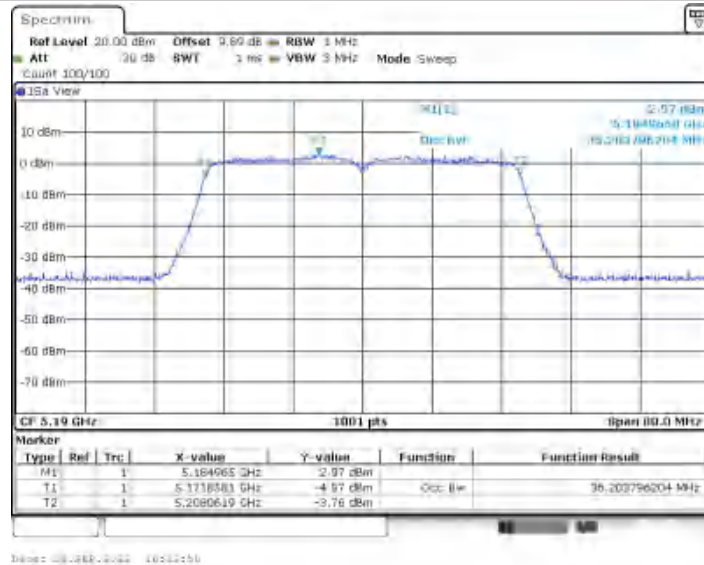
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11N40MIMO_Ant2_5190



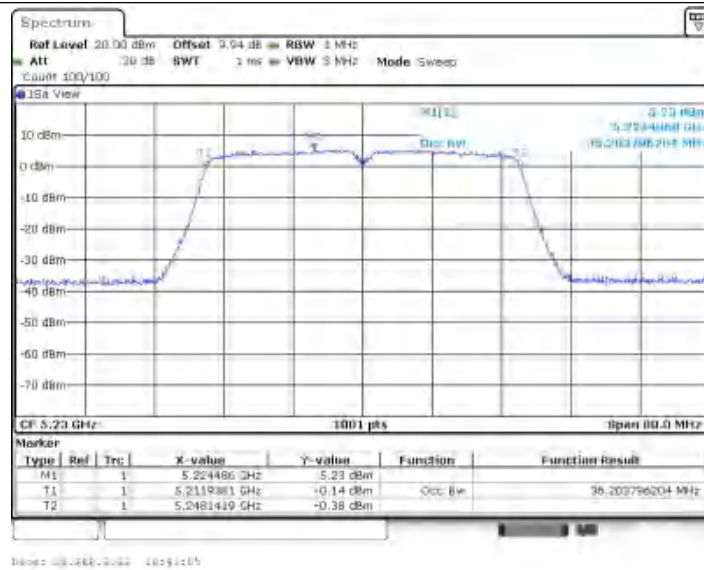
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11N40MIMO_Ant2_5230



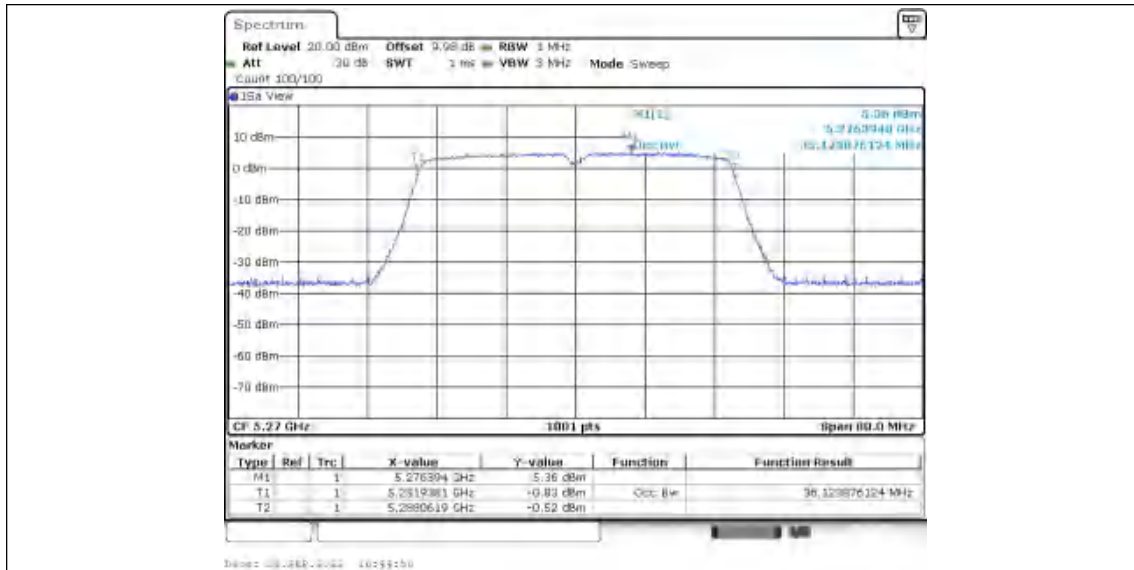
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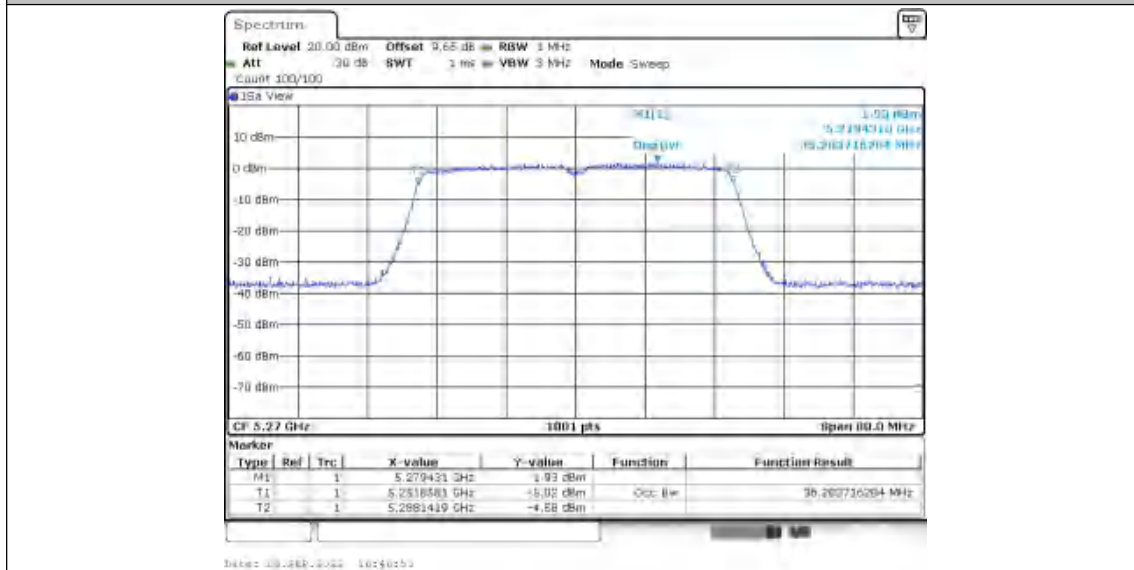
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11N40MIMO_Ant2_5270



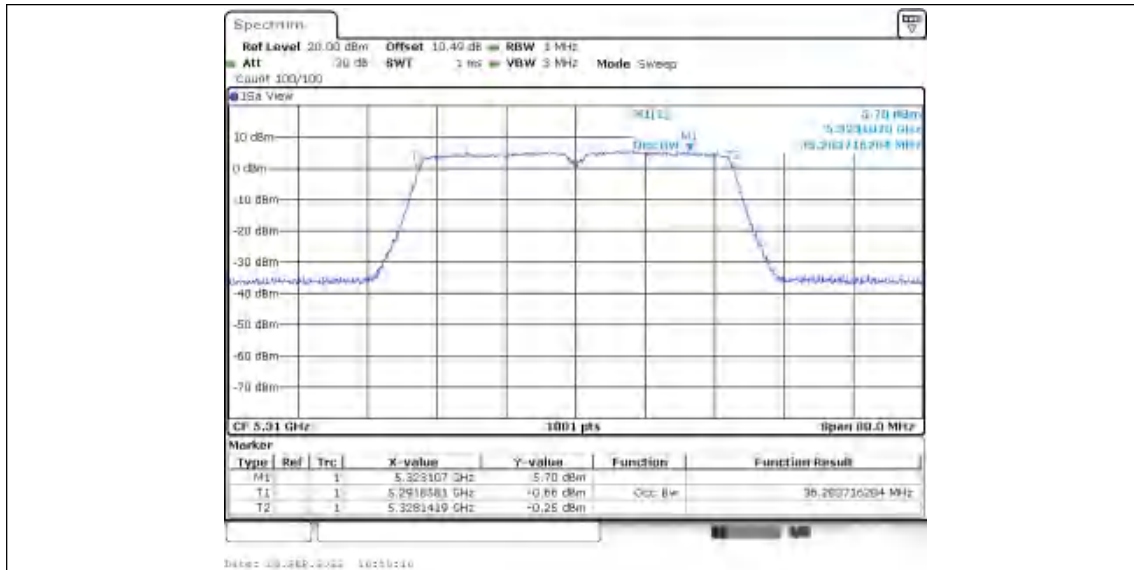
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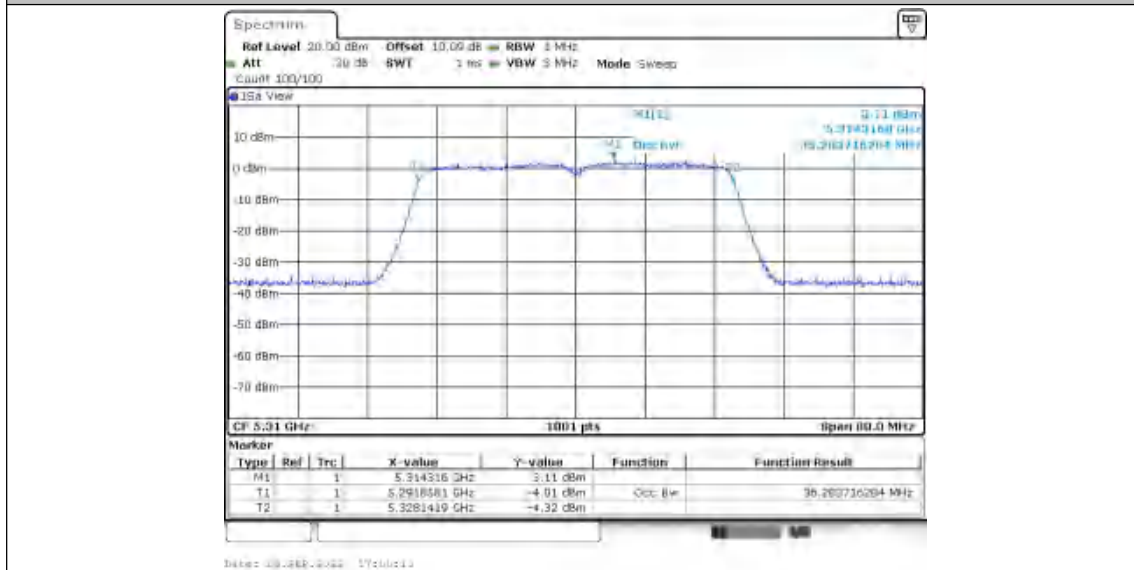
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11N40MIMO_Ant2_5310



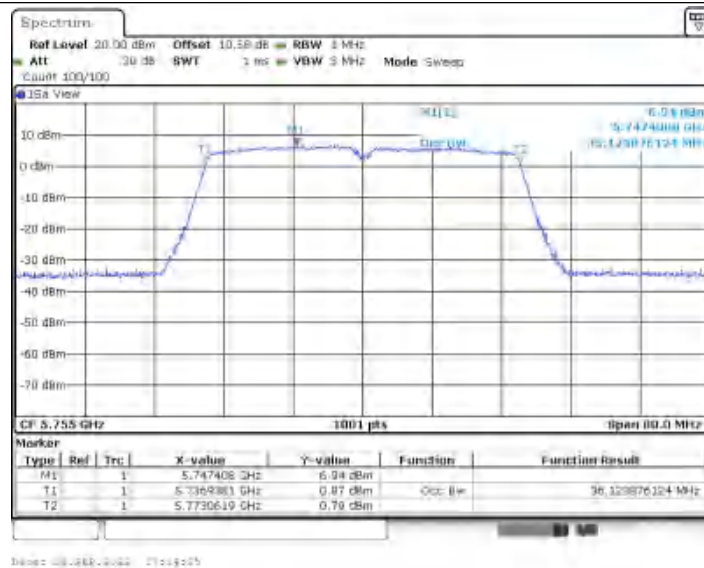
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11N40MIMO_Ant2_5755



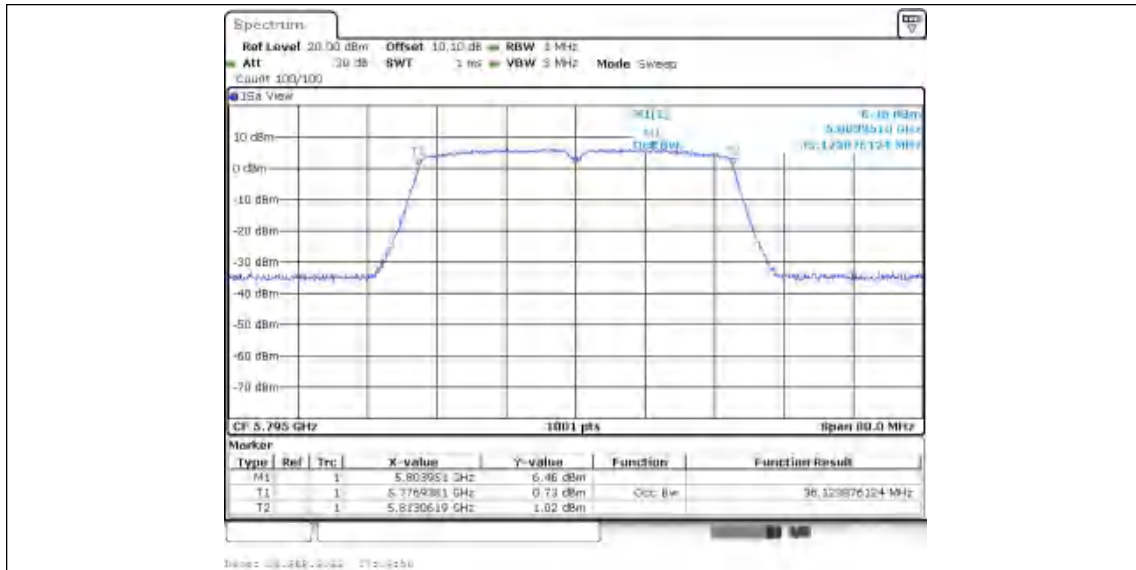
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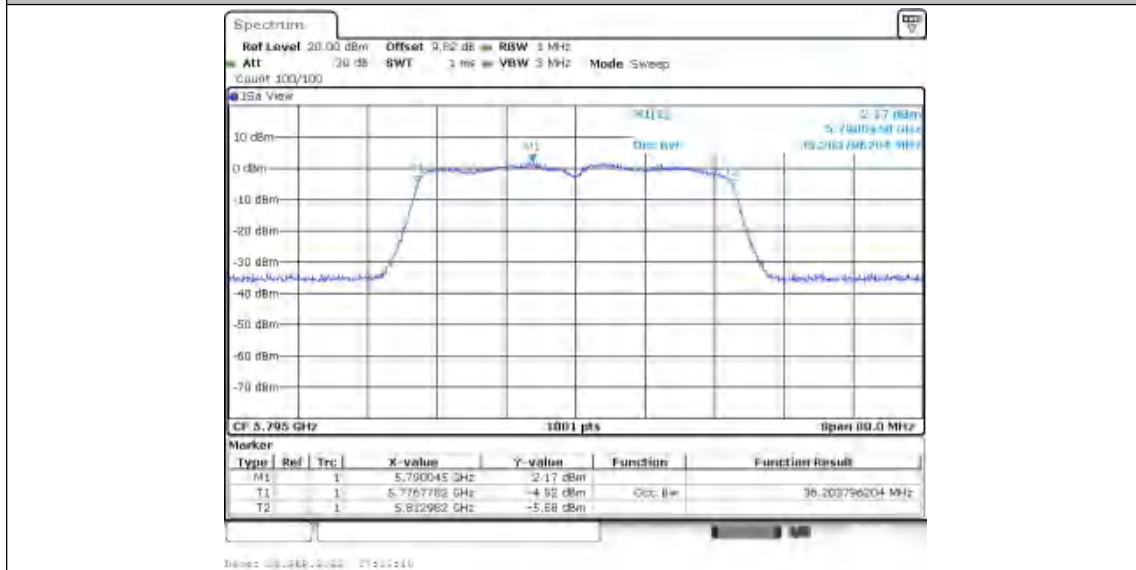
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11N40MIMO_Ant2_5795



11AC80MIMO_Ant1_5210



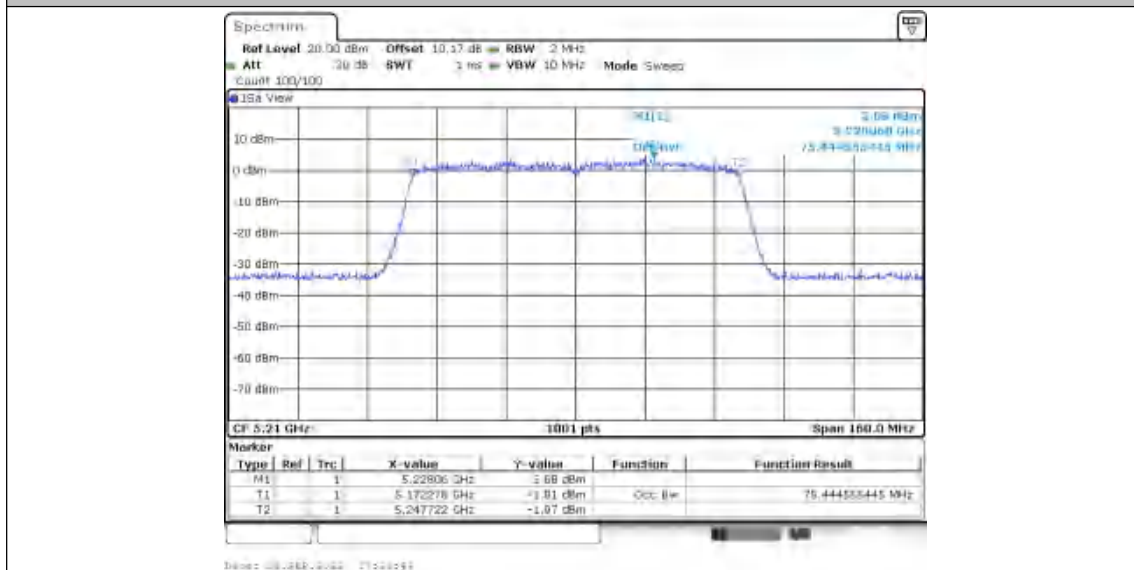
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11AC80MIMO_Ant2_5210



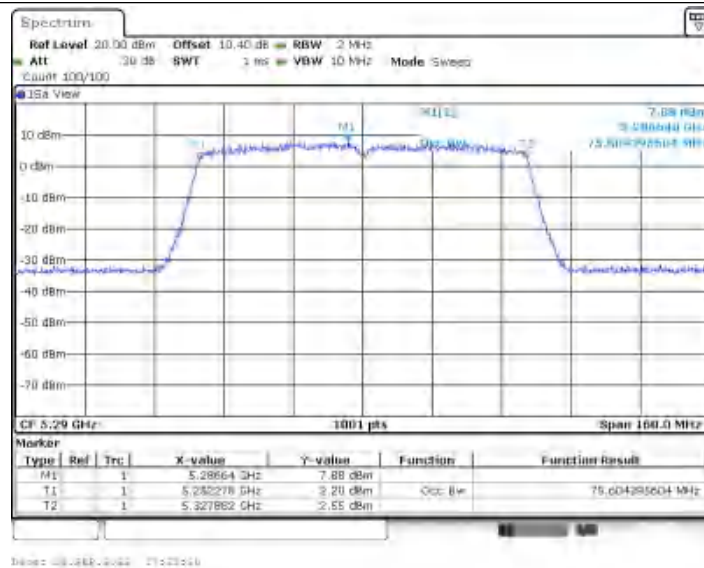
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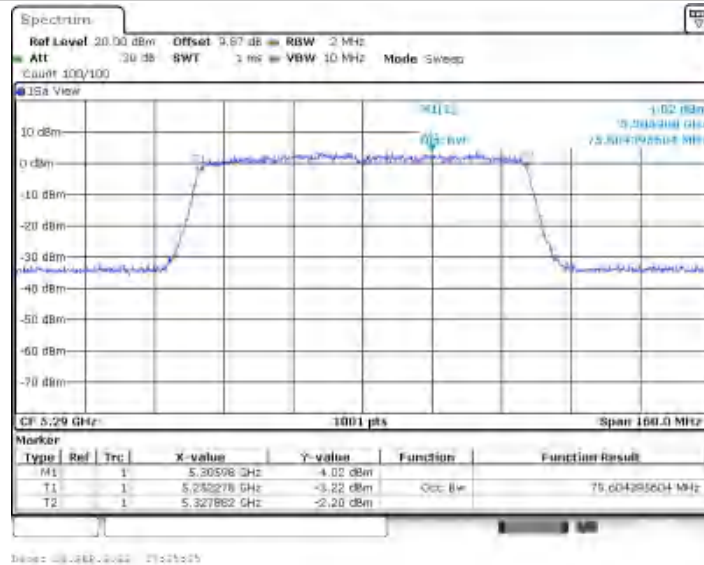
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11AC80MIMO_Ant2_5290



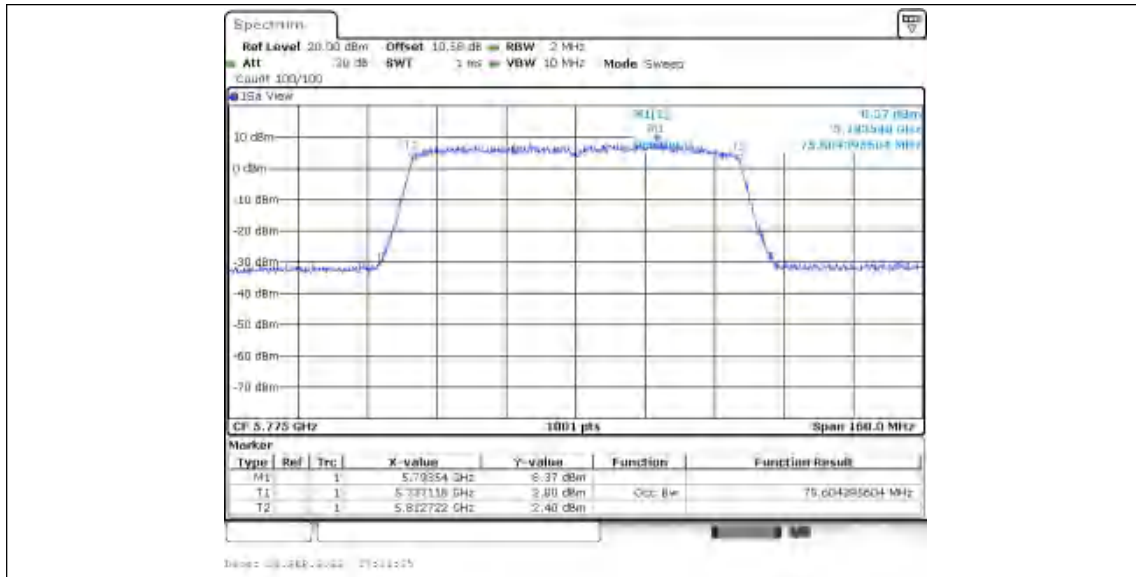
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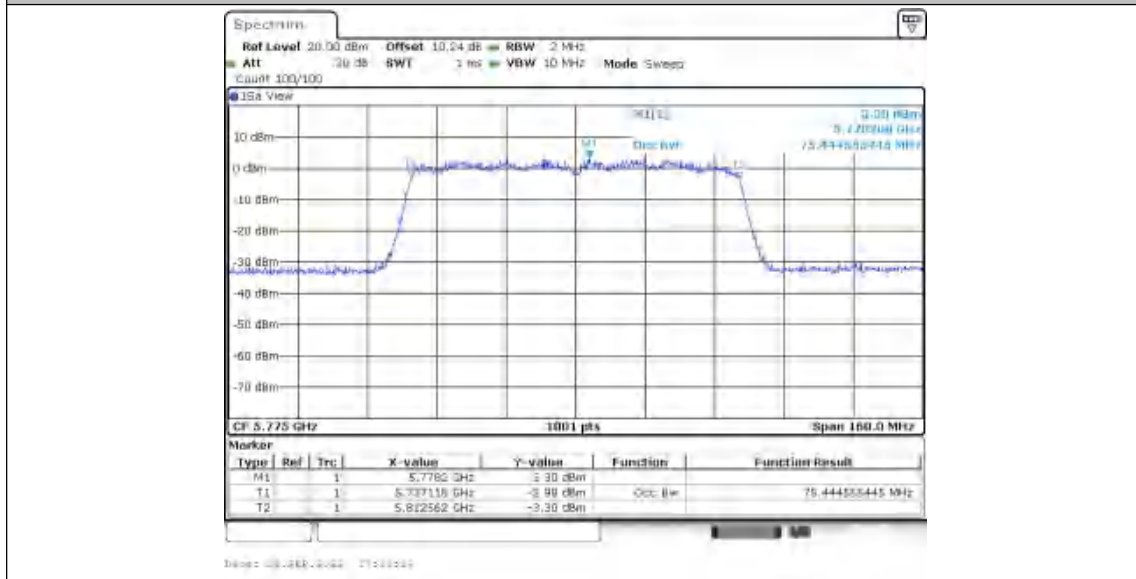
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11AC80MIMO_Ant2_5775



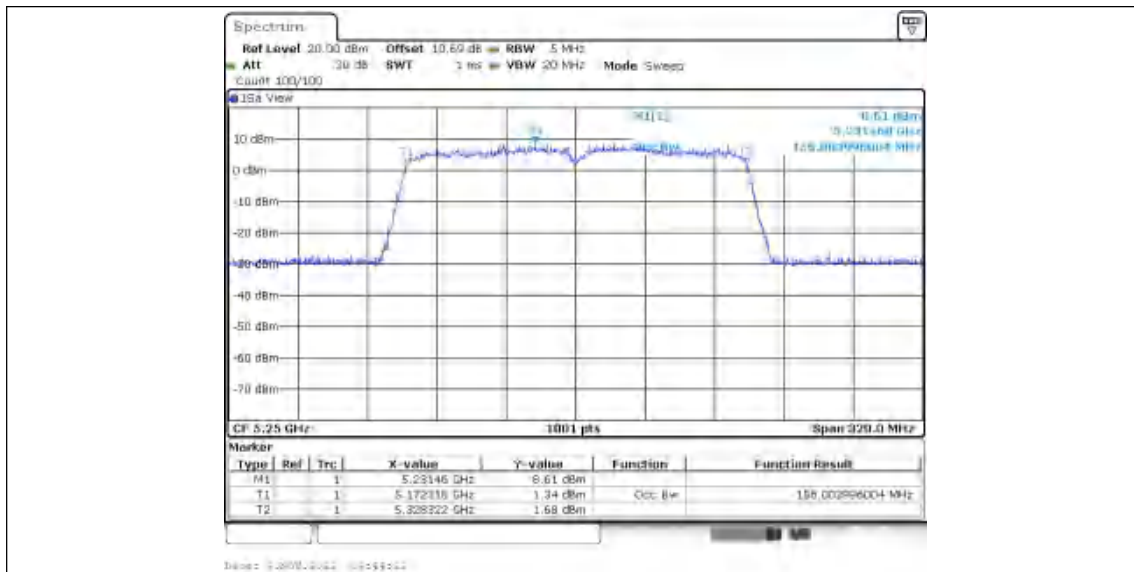
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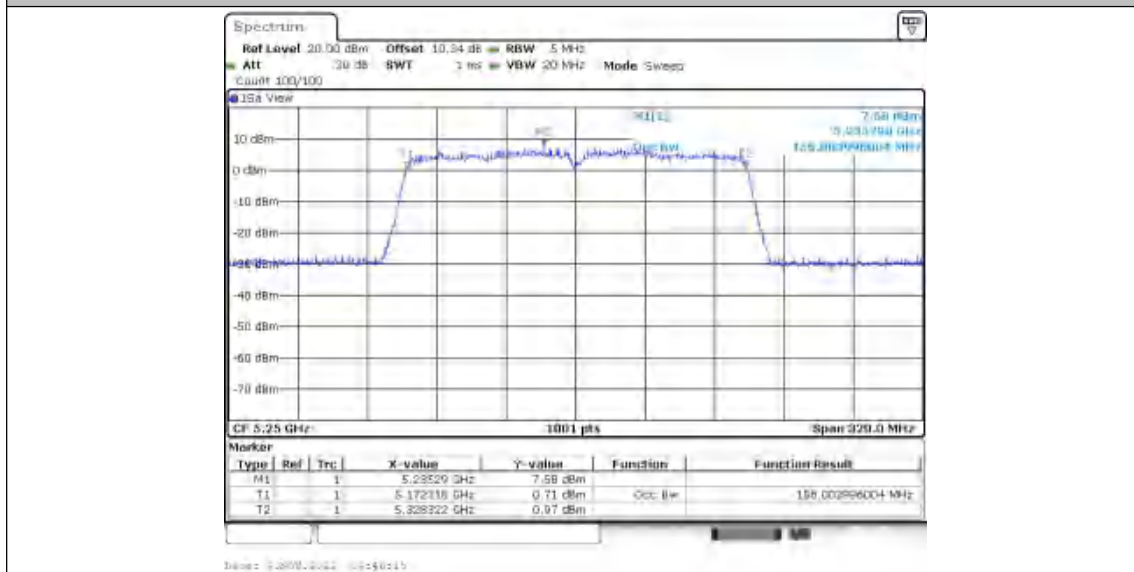
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11AC160MIMO_Ant2_5250



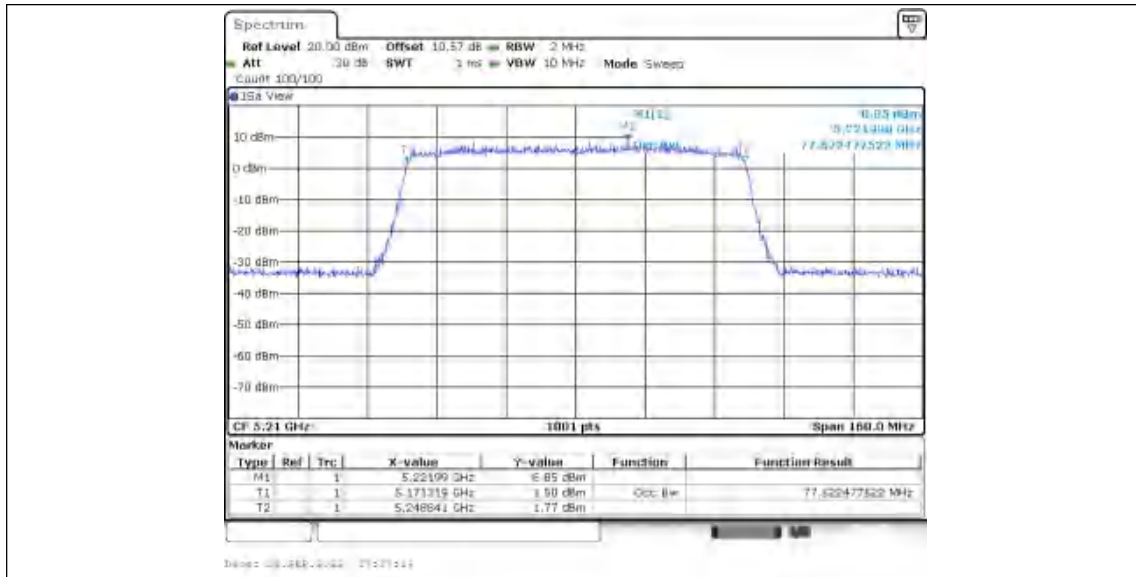
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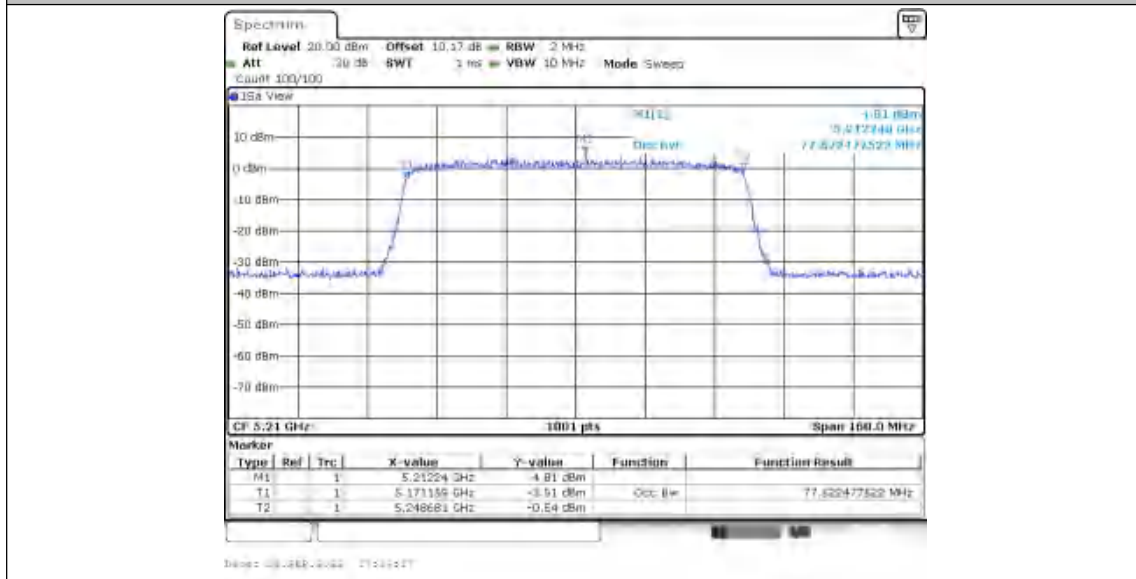
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Test Report No.: FCC2022-0064-RF6-A1

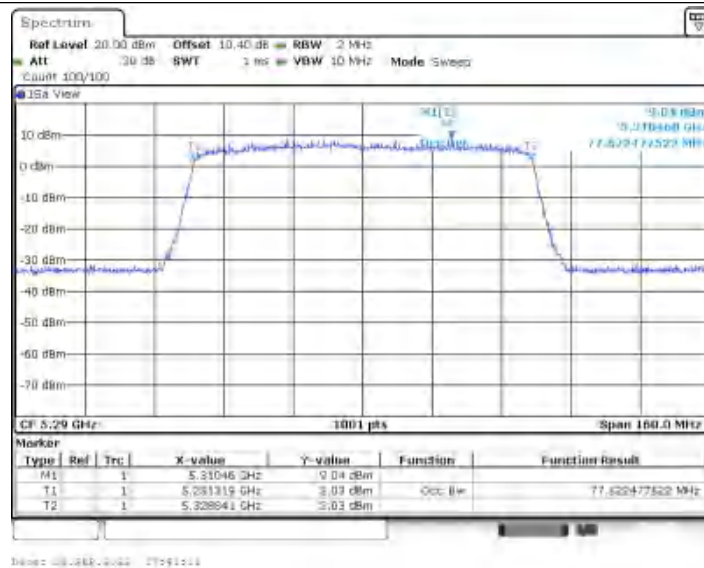
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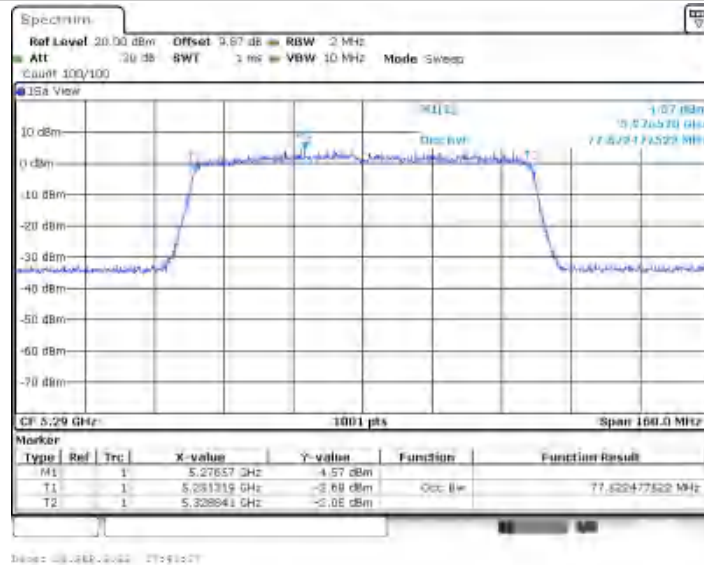
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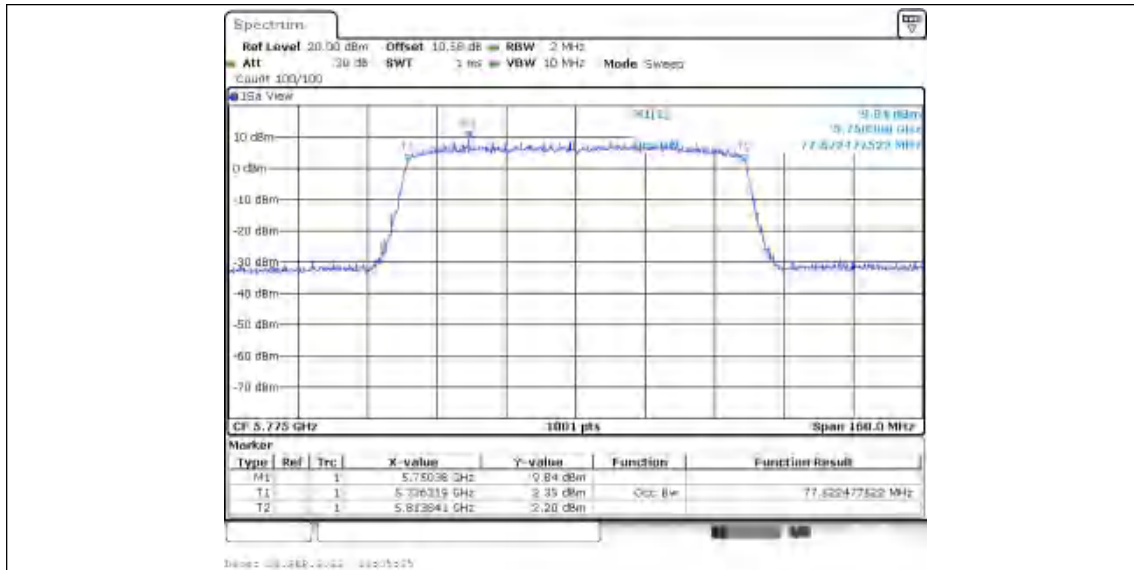
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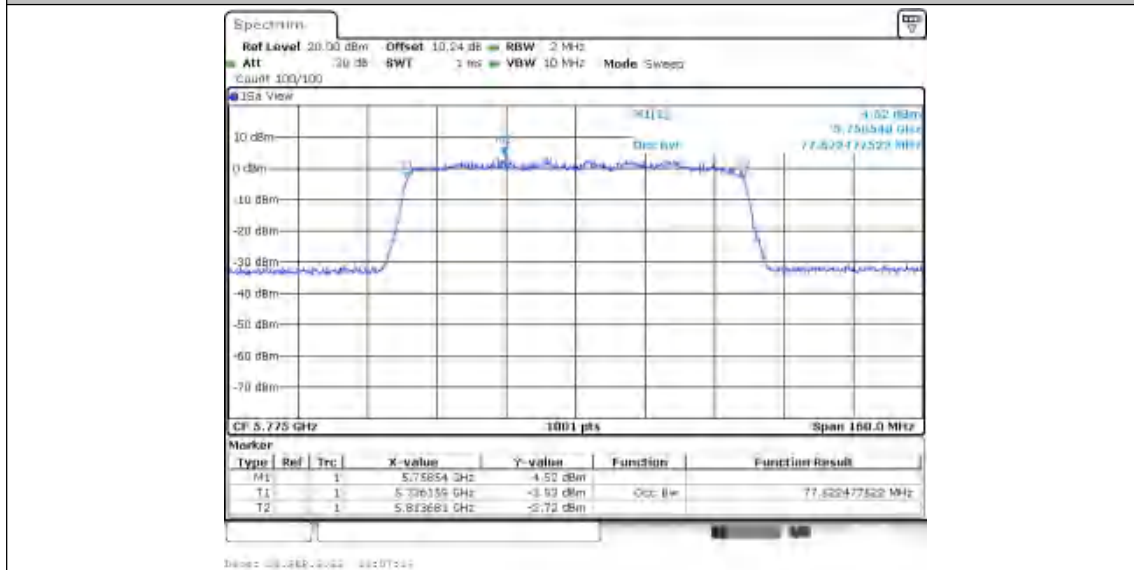
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11AX80MIMO_Ant1_5775



11AX80MIMO_Ant2_5775



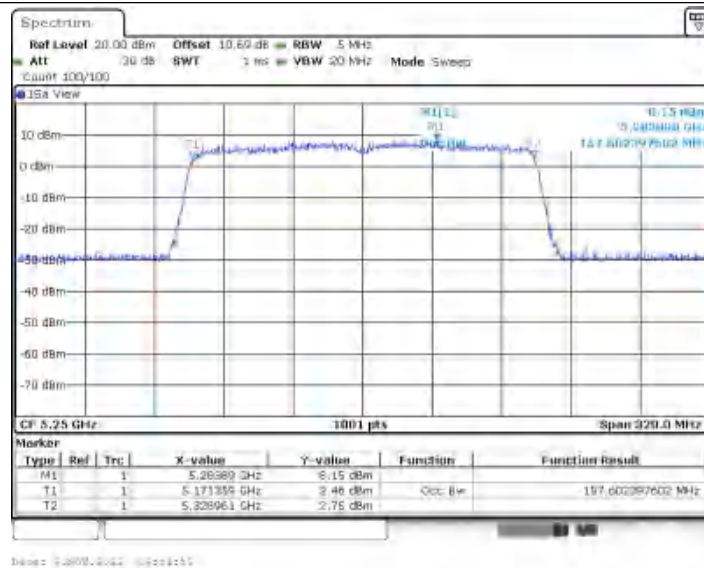
11AX160MIMO_Ant1_5250



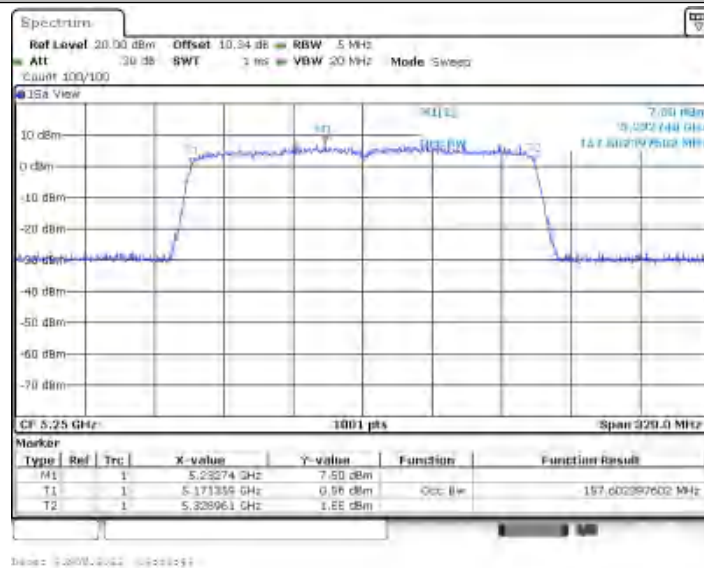
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11AX160MIMO_Ant2_5250





Appendix A3: Min emission bandwidth

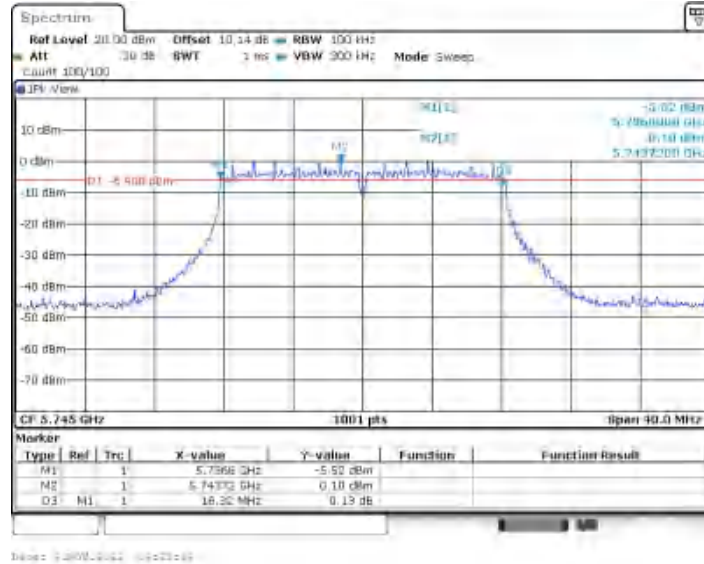
Test Result B4

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5745	16.32	5736.80	5753.12	0.5	PASS
	Ant2	5745	16.36	5736.80	5753.16	0.5	PASS
	Ant1	5785	16.40	5776.80	5793.20	0.5	PASS
	Ant2	5785	16.36	5776.80	5793.16	0.5	PASS
	Ant1	5825	16.36	5816.80	5833.16	0.5	PASS
	Ant2	5825	16.08	5816.80	5832.88	0.5	PASS
11N20MIMO	Ant1	5745	17.72	5736.16	5753.88	0.5	PASS
	Ant2	5745	17.72	5736.12	5753.84	0.5	PASS
	Ant1	5785	17.76	5776.12	5793.88	0.5	PASS
	Ant2	5785	17.72	5776.12	5793.84	0.5	PASS
	Ant1	5825	17.76	5816.12	5833.88	0.5	PASS
	Ant2	5825	17.72	5816.12	5833.84	0.5	PASS
11N40MIMO	Ant1	5755	35.68	5737.24	5772.92	0.5	PASS
	Ant2	5755	35.76	5736.84	5772.60	0.5	PASS
	Ant1	5795	35.52	5777.24	5812.76	0.5	PASS
	Ant2	5795	35.76	5776.84	5812.60	0.5	PASS
11AC80MIMO	Ant1	5775	75.20	5737.40	5812.60	0.5	PASS
	Ant2	5775	74.08	5737.24	5811.32	0.5	PASS
11AX80MIMO	Ant1	5775	77.76	5736.28	5814.04	0.5	PASS
	Ant2	5775	76.48	5736.12	5812.60	0.5	PASS

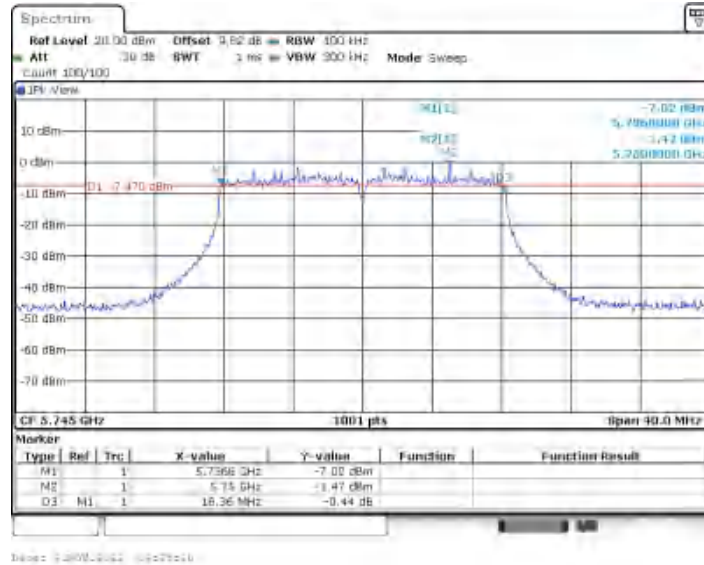


Test Graphs B4

11A-CDD_Ant1_5745



11A-CDD_Ant2_5745



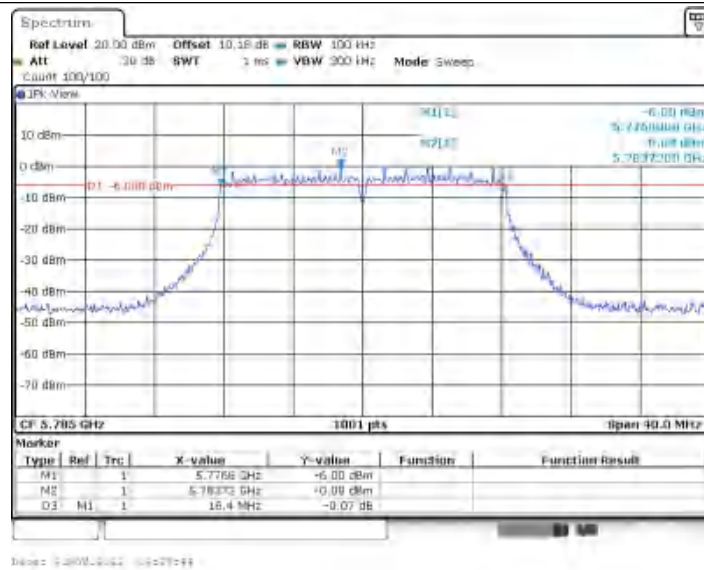
11A-CDD_Ant1_5785



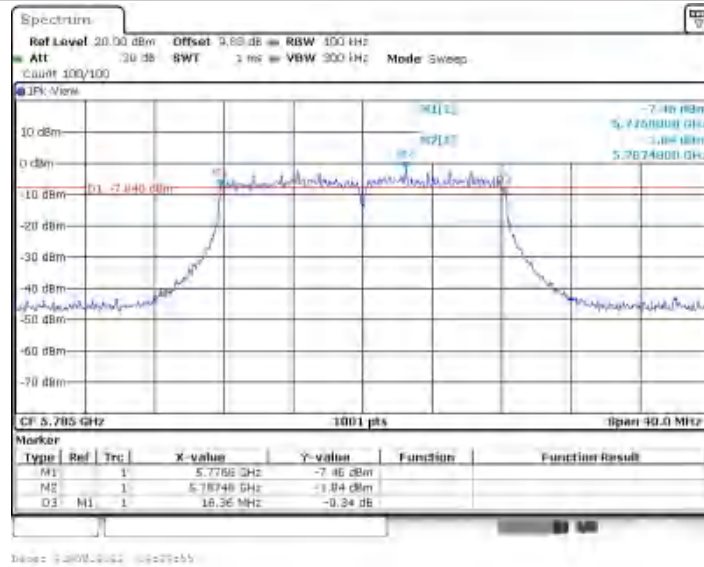
CVC Testing Technology Co., Ltd.

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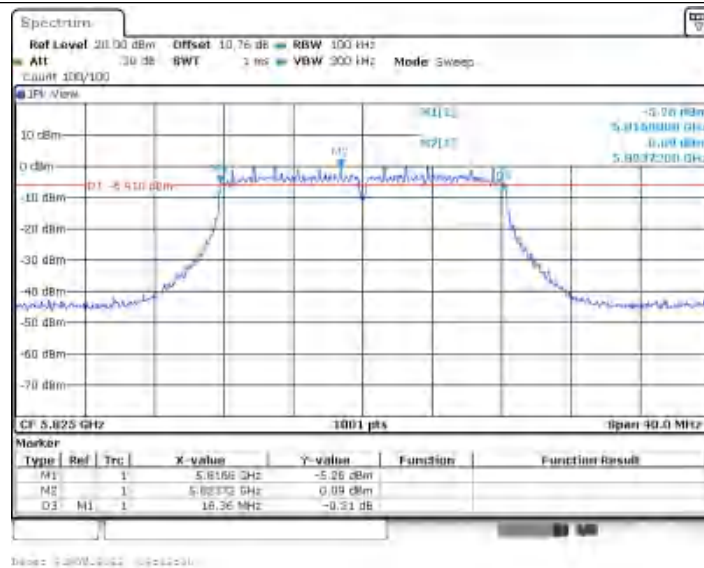
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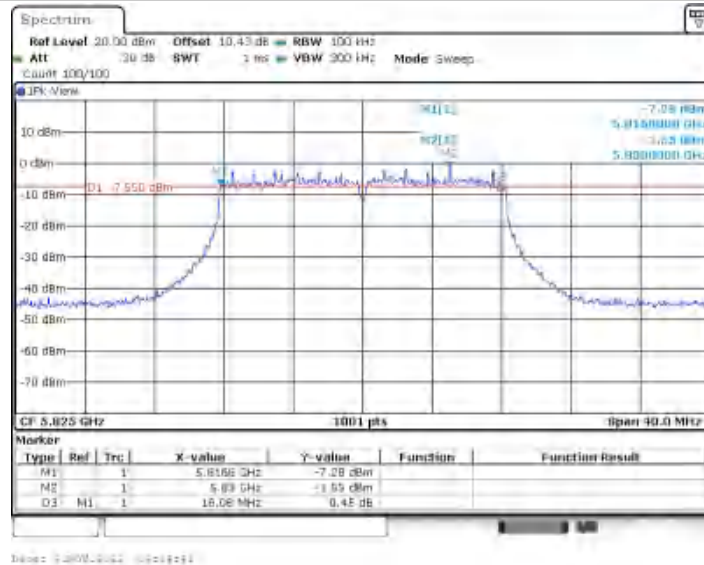
11A-CDD_Ant2_5785



11A-CDD_Ant1_5825



11A-CDD_Ant2_5825



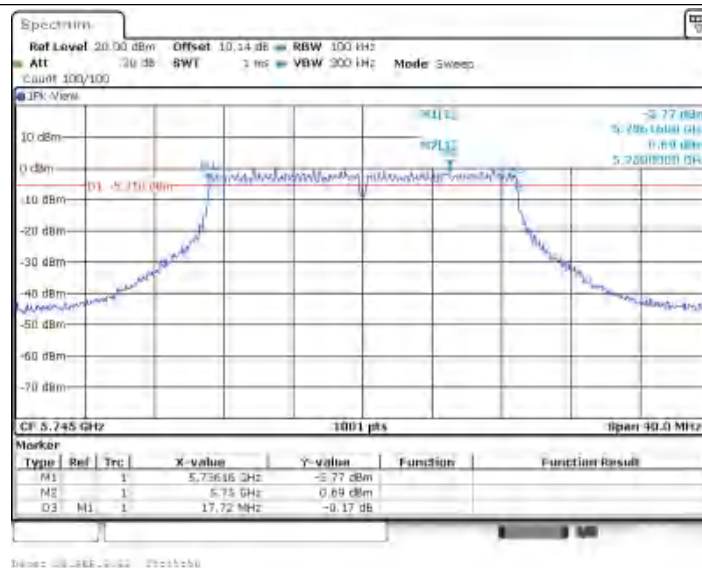
11N20MIMO_Ant1_5745



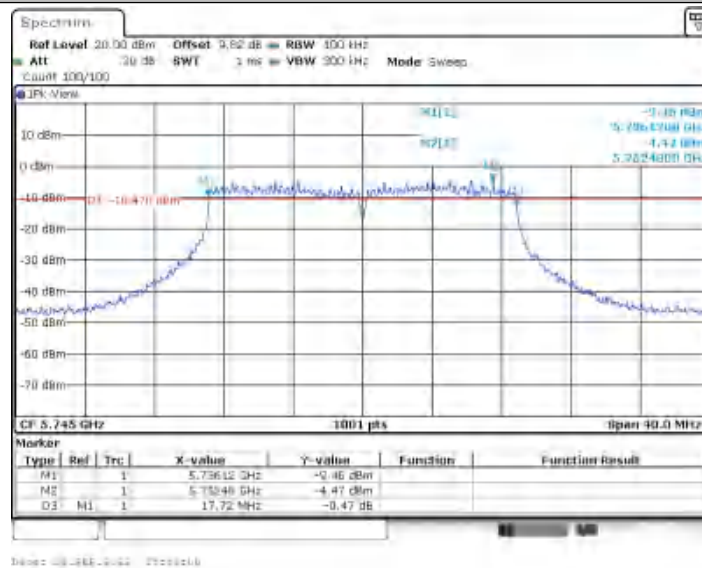
CVC Testing Technology Co., Ltd.

Test Report No.: FCC2022-0064-RF6-A1

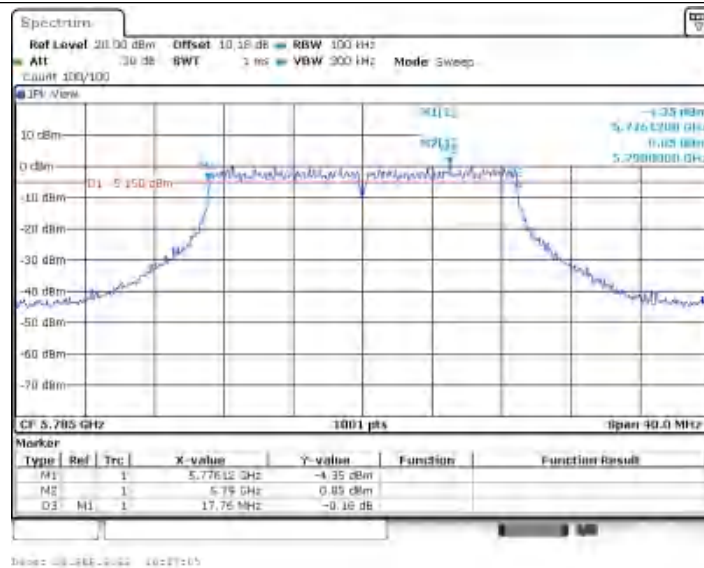
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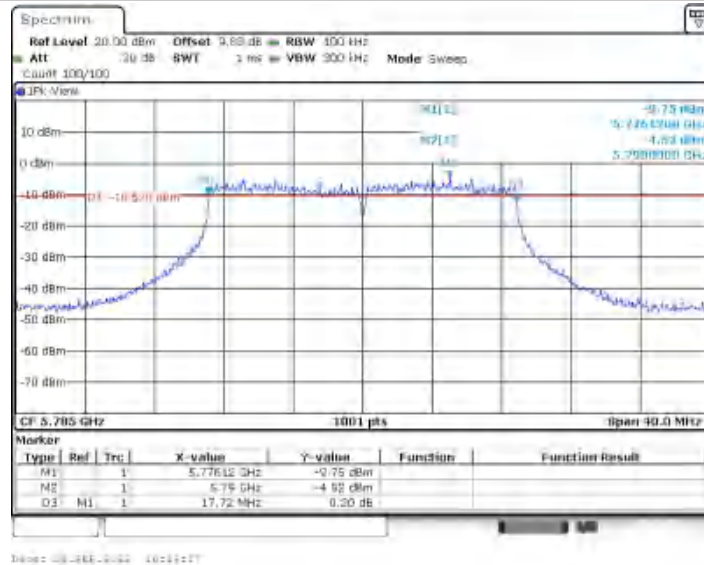
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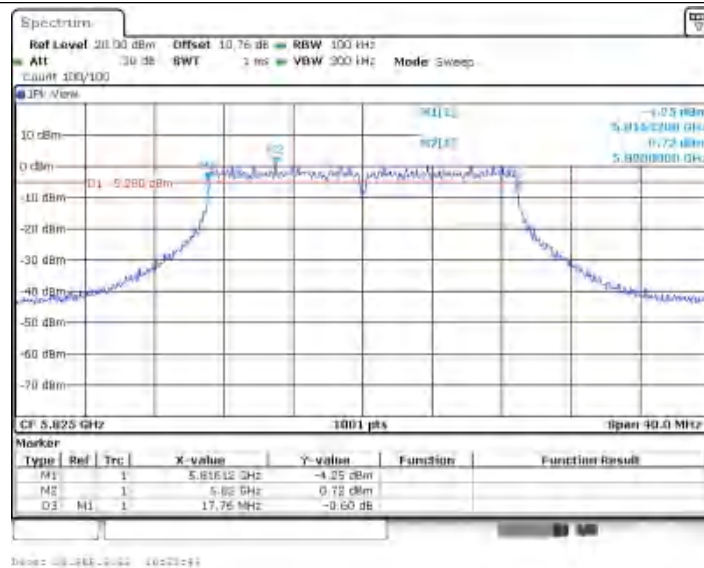
11N20MIMO_Ant1_5785



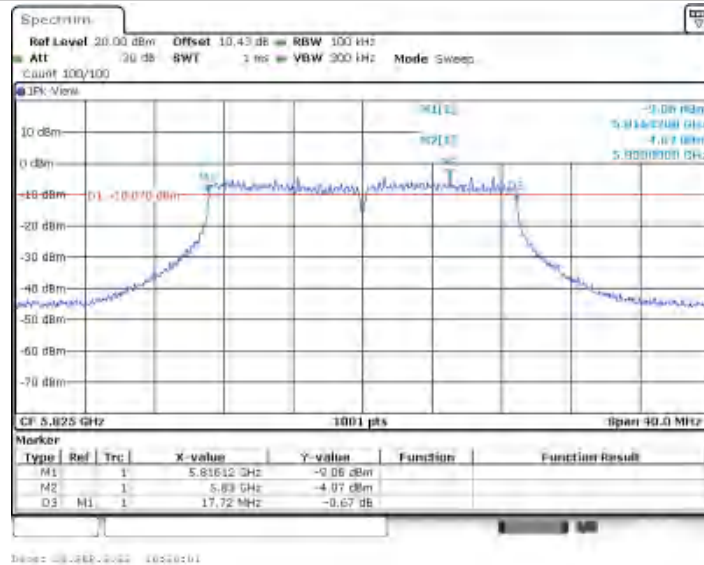
11N20MIMO_Ant2_5785



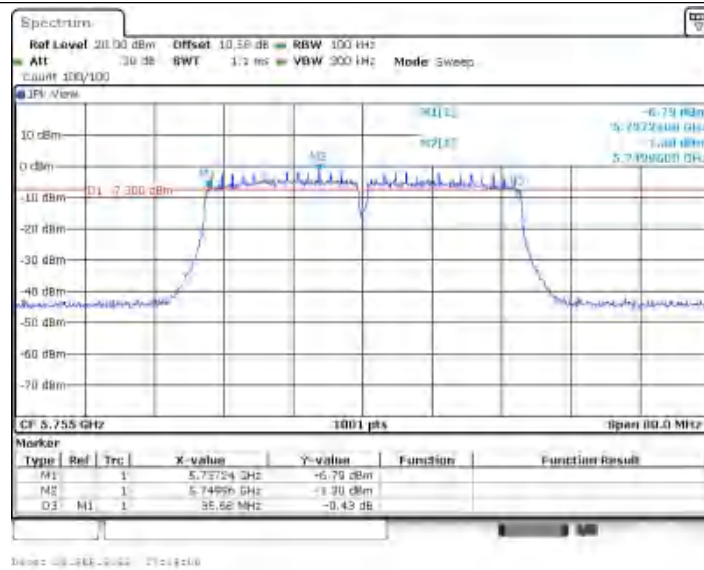
11N20MIMO_Ant1_5825



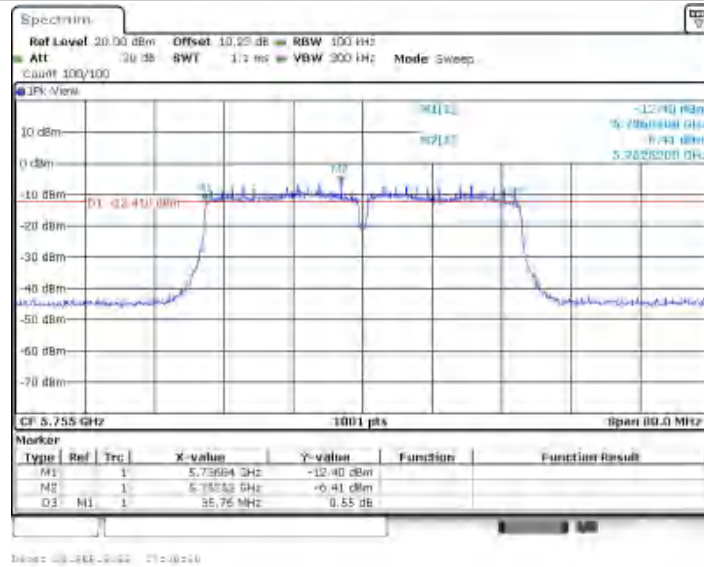
11N20MIMO_Ant2_5825



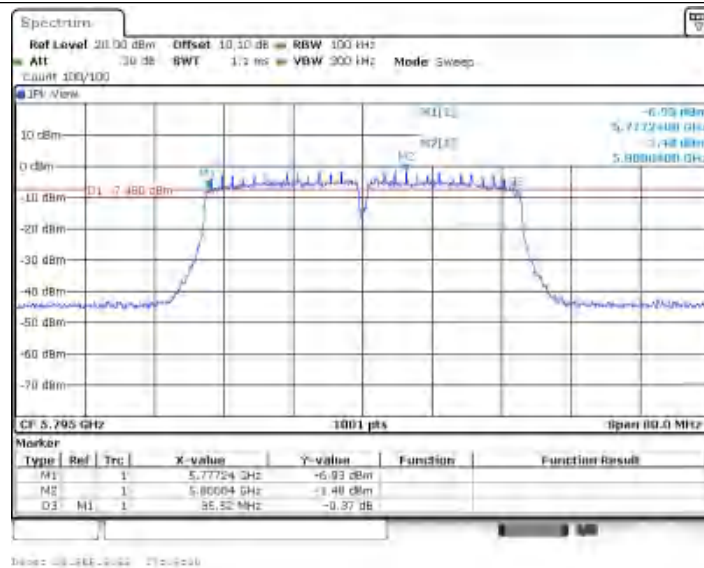
11N40MIMO_Ant1_5755



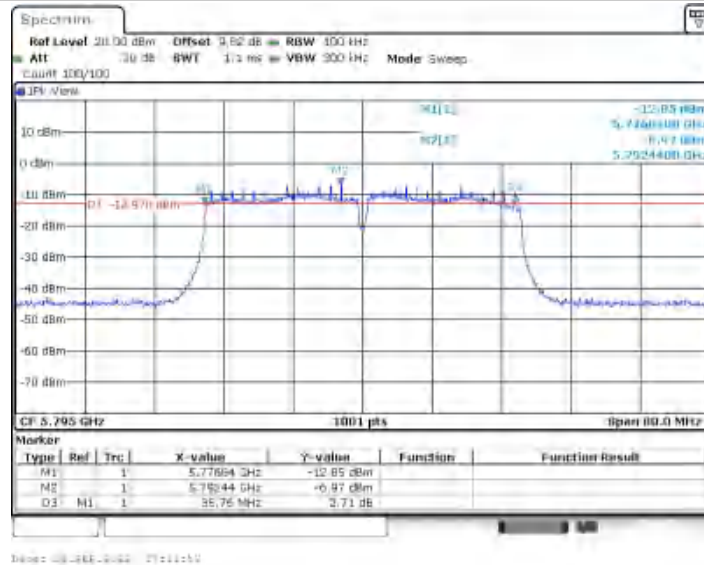
11N40MIMO_Ant2_5755



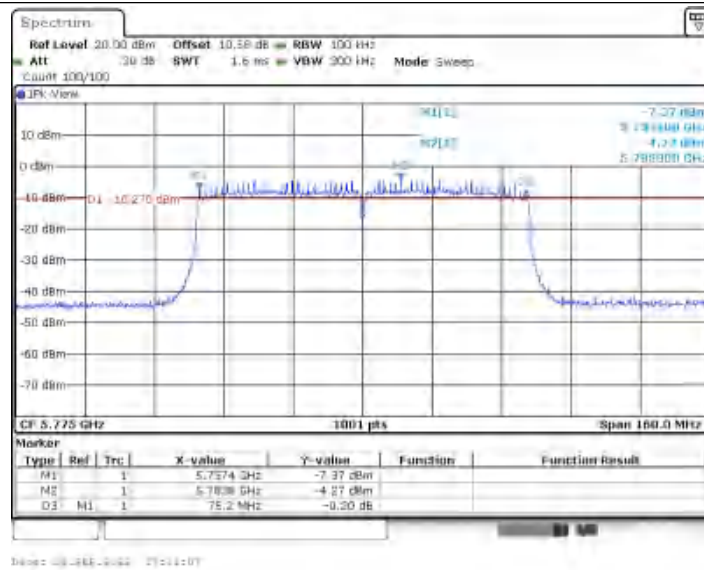
11N40MIMO_Ant1_5795



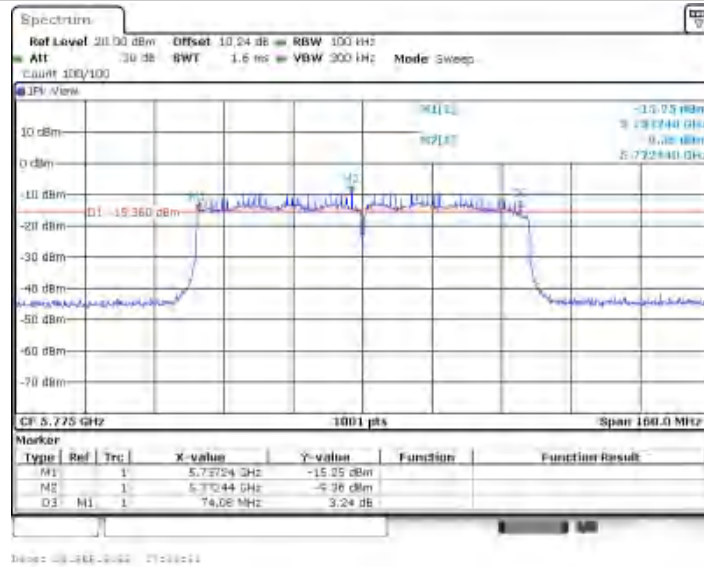
11N40MIMO_Ant2_5795



11AC80MIMO_Ant1_5775



11AC80MIMO_Ant2_5775



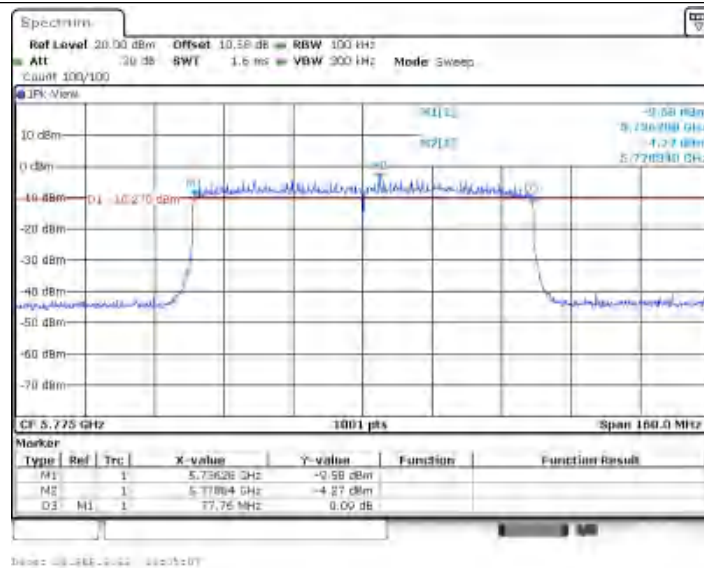
11AX80MIMO_Ant1_5775



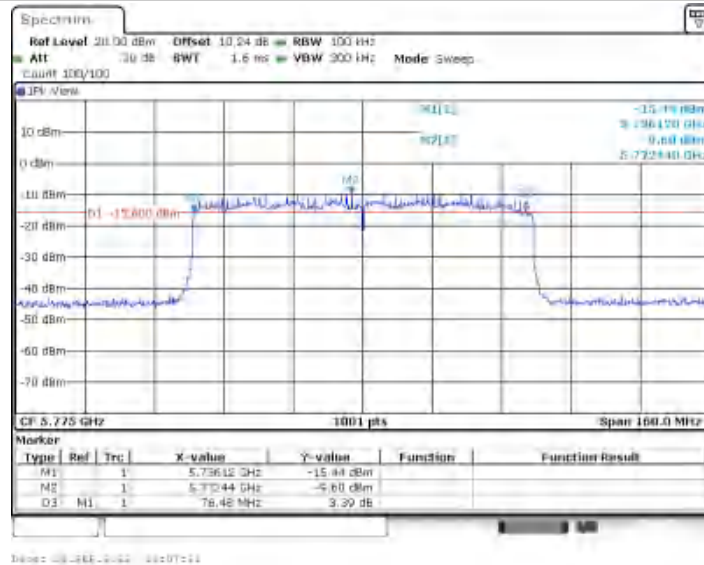
CVC Testing Technology Co., Ltd.

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11AX80MIMO_Ant2_5775





Appendix B: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A-CDD	Ant1	5180	2.06	2.49	82.73
	Ant2	5180	2.06	2.49	82.73
	Ant1	5220	2.06	2.56	80.47
	Ant2	5220	2.06	2.49	82.73
	Ant1	5240	2.06	2.50	82.40
	Ant2	5240	2.06	2.50	82.40
	Ant1	5260	2.06	2.59	79.54
	Ant2	5260	2.06	2.49	82.73
	Ant1	5300	2.06	2.50	82.40
	Ant2	5300	2.06	2.50	82.40
	Ant1	5320	2.06	2.55	80.78
	Ant2	5320	2.06	2.49	82.73
	Ant1	5745	2.06	2.60	79.23
	Ant2	5745	2.06	2.50	82.40
	Ant1	5785	2.06	2.56	80.47
	Ant2	5785	2.06	2.54	81.10
	Ant1	5825	2.06	2.49	82.73
	Ant2	5825	2.06	2.49	82.73
11N20MIMO	Ant1	5180	5.43	5.88	92.35
	Ant2	5180	5.44	5.89	92.36
	Ant1	5220	5.44	5.94	91.58
	Ant2	5220	5.43	5.87	92.50
	Ant1	5240	5.43	5.93	91.57
	Ant2	5240	5.43	5.87	92.50
	Ant1	5260	5.43	5.86	92.66
	Ant2	5260	5.43	5.93	91.57
	Ant1	5300	5.43	5.86	92.66
	Ant2	5300	5.45	5.94	91.75
	Ant1	5320	5.43	5.93	91.57
	Ant2	5320	5.43	5.97	90.95
	Ant1	5745	5.44	5.88	92.52
	Ant2	5745	5.44	6.08	89.47
	Ant1	5785	5.43	5.92	91.72
	Ant2	5785	5.44	5.88	92.52



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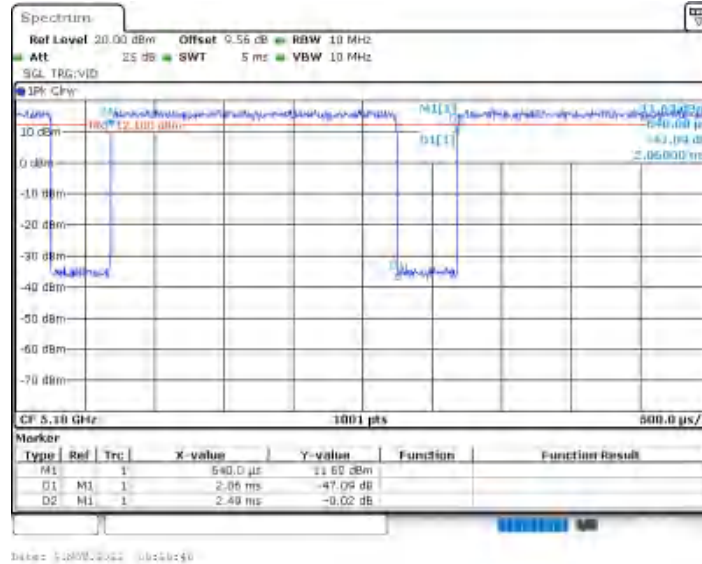
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	Ant1	5825	5.43	5.97	90.95
	Ant2	5825	5.43	5.88	92.35
11N40MIMO	Ant1	5190	5.43	5.87	92.50
	Ant2	5190	5.43	5.89	92.19
	Ant1	5230	5.43	5.93	91.57
	Ant2	5230	5.44	5.87	92.67
	Ant1	5270	5.43	5.92	91.72
	Ant2	5270	5.43	5.87	92.50
	Ant1	5310	5.43	5.88	92.35
	Ant2	5310	5.43	5.87	92.50
	Ant1	5755	5.44	5.88	92.52
	Ant2	5755	5.44	5.88	92.52
	Ant1	5795	5.43	5.93	91.57
	Ant2	5795	5.43	5.86	92.66
11AC80MIMO	Ant1	5210	5.43	5.87	92.50
	Ant2	5210	5.44	5.88	92.52
	Ant1	5290	5.43	5.87	92.50
	Ant2	5290	5.43	5.87	92.50
	Ant1	5775	5.43	5.87	92.50
	Ant2	5775	5.43	5.87	92.50
11AC160MIMO	Ant1	5250	5.43	5.82	93.30
	Ant2	5250	5.43	5.82	93.30
11AX80MIMO	Ant1	5210	5.45	5.89	92.53
	Ant2	5210	5.45	5.95	91.60
	Ant1	5290	5.45	5.89	92.53
	Ant2	5290	5.45	5.89	92.53
	Ant1	5775	5.45	5.88	92.69
	Ant2	5775	5.44	5.98	90.97
11AX160MIMO	Ant1	5250	5.45	5.82	93.64
	Ant2	5250	5.44	5.84	93.15

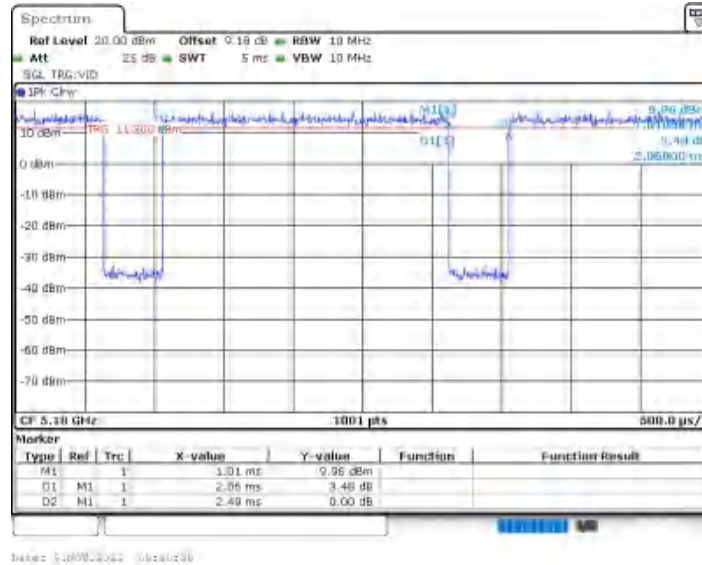


Test Graphs

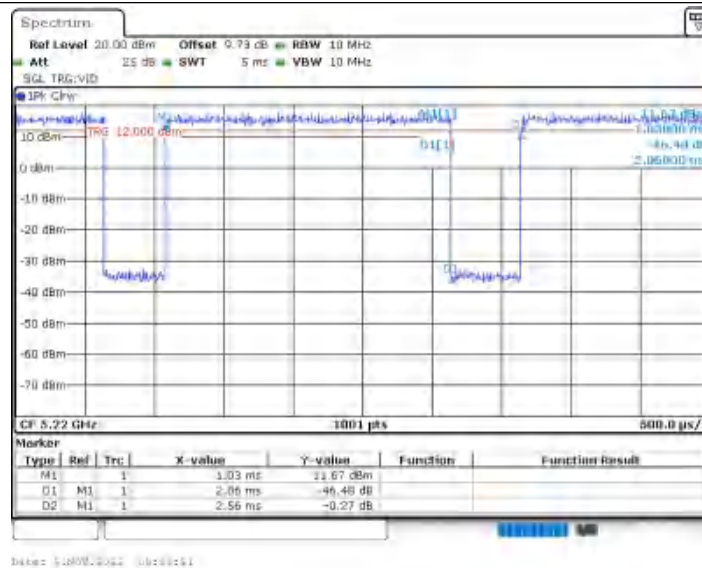
11A-CDD_Ant1_5180



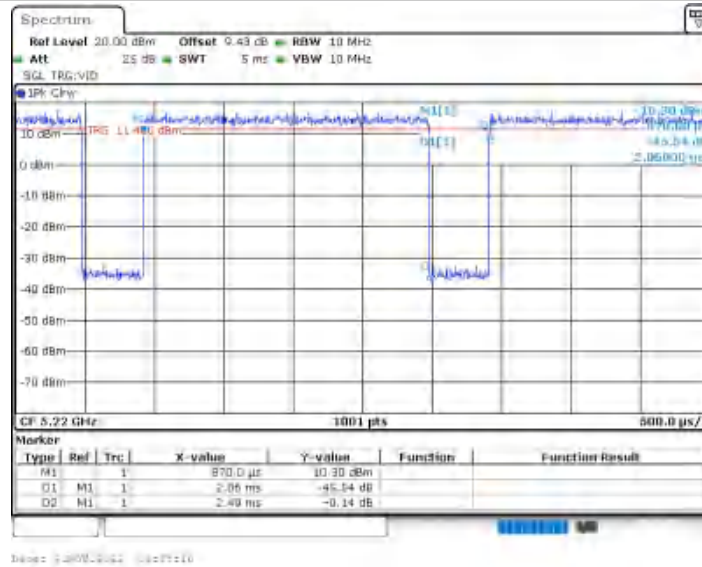
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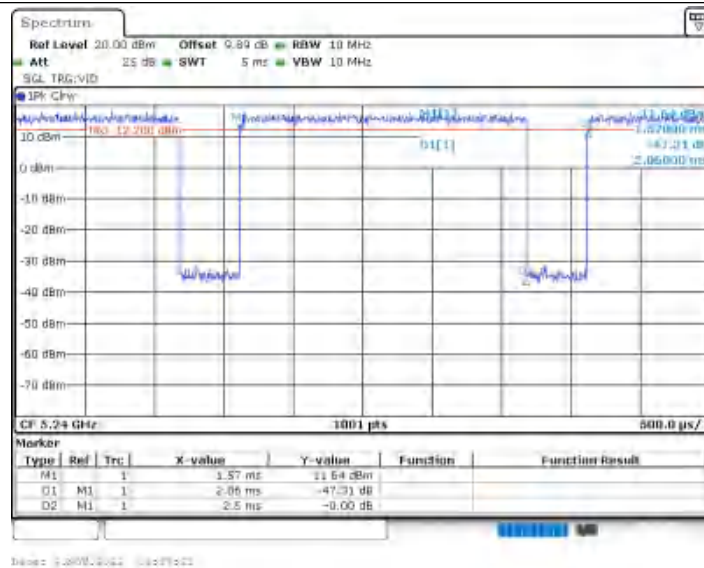
11A-CDD_Ant1_5220



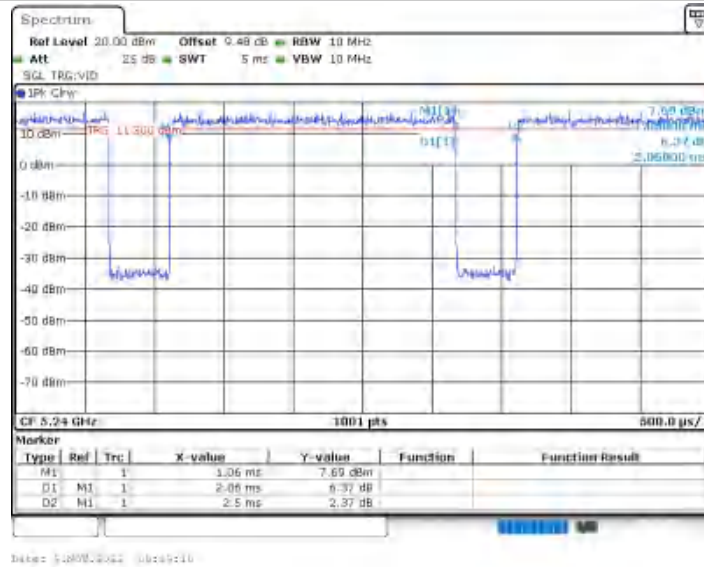
11A-CDD_Ant2_5220



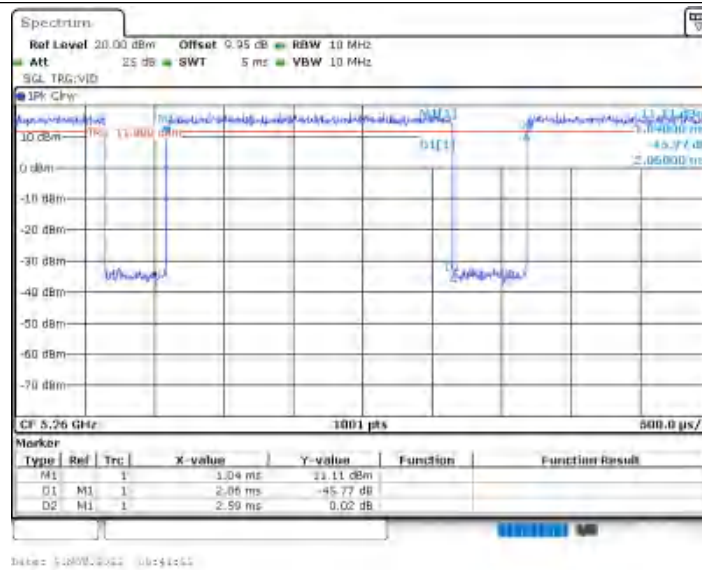
11A-CDD_Ant1_5240



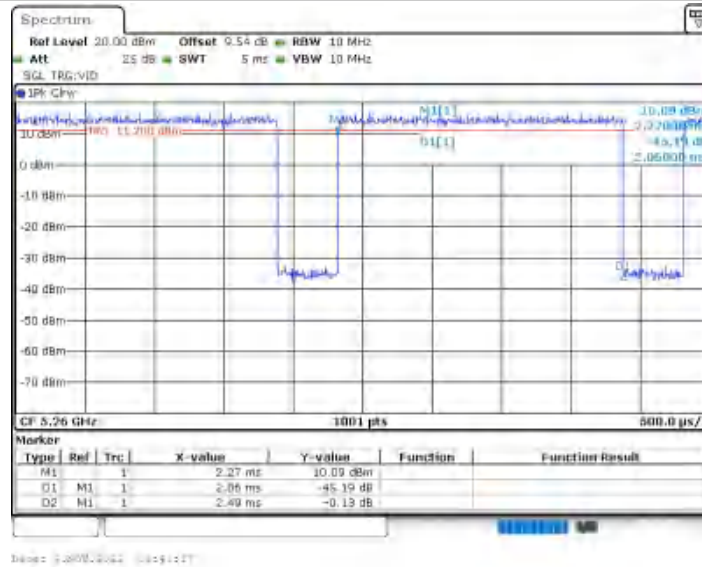
11A-CDD_Ant2_5240



11A-CDD_Ant1_5260



11A-CDD_Ant2_5260



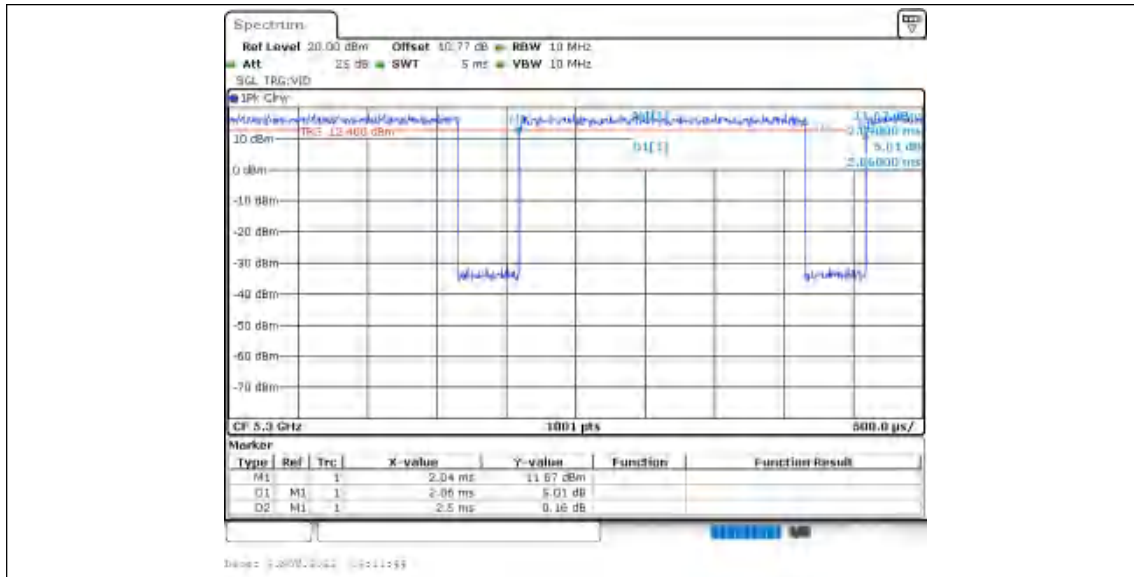
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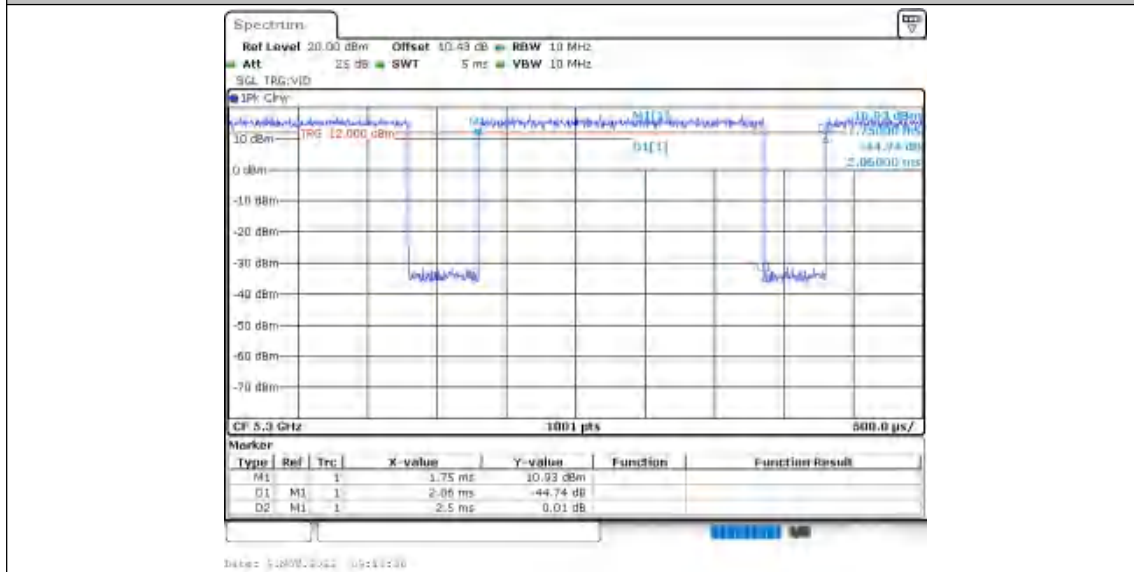
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11A-CDD_Ant2_5300

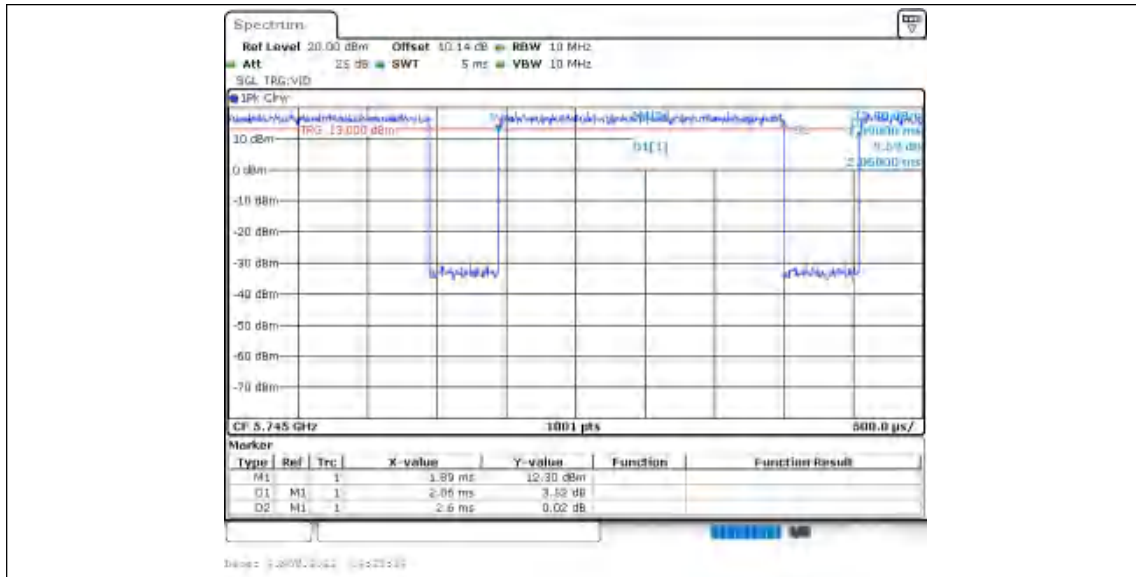


11A-CDD_Ant1_5320

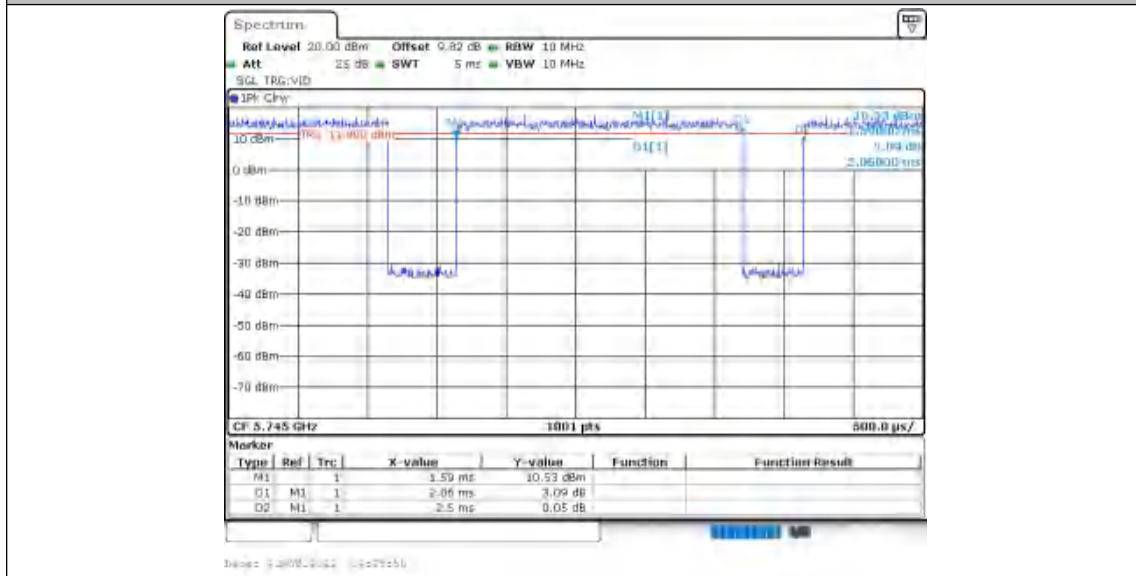


11A-CDD_Ant1_5745

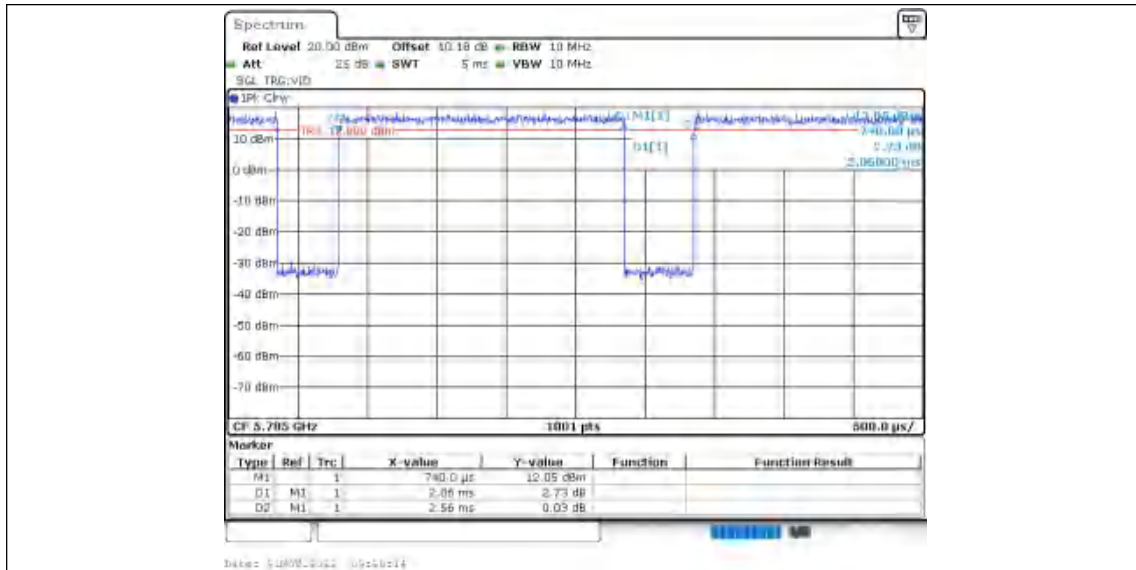




11A-CDD_Ant2_5745



11A-CDD_Ant1_5785



11A-CDD_Ant2_5785



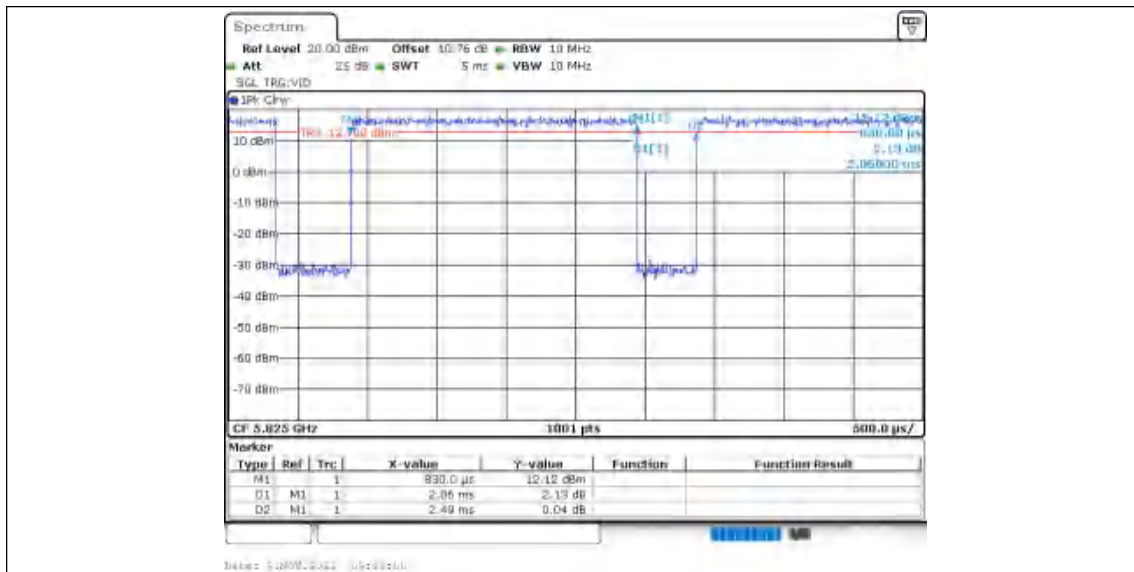
11A-CDD_Ant1_5825



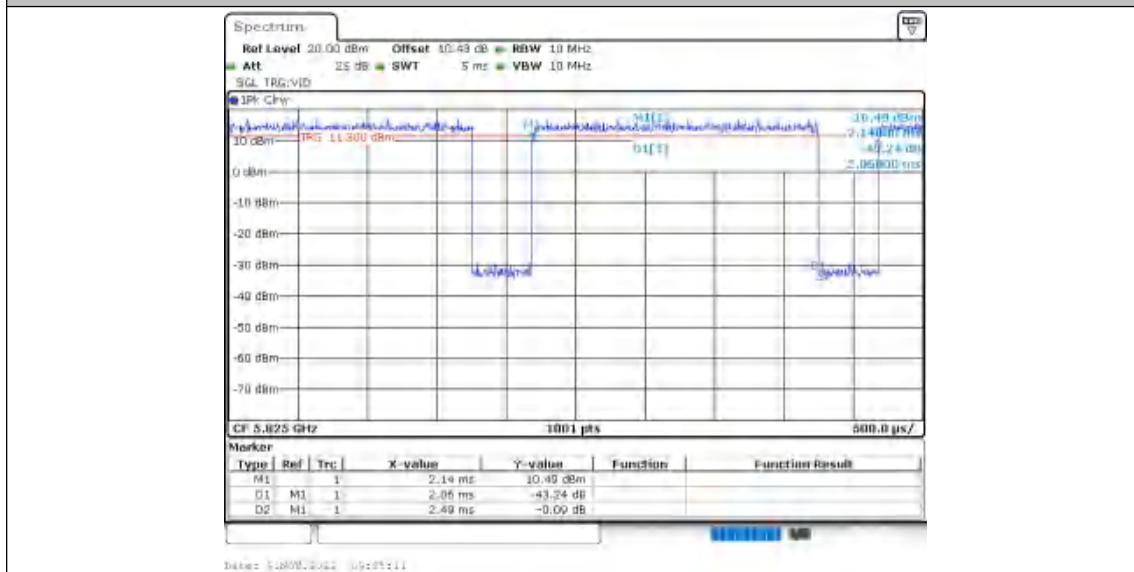
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11A-CDD_Ant2_5825



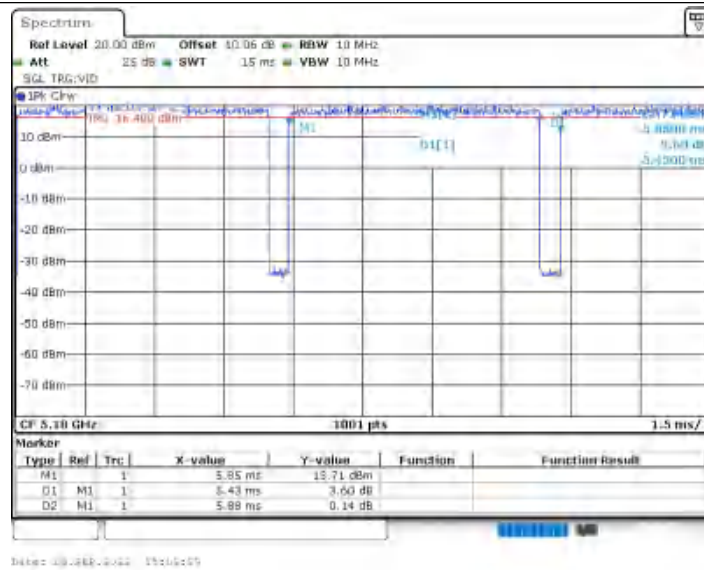
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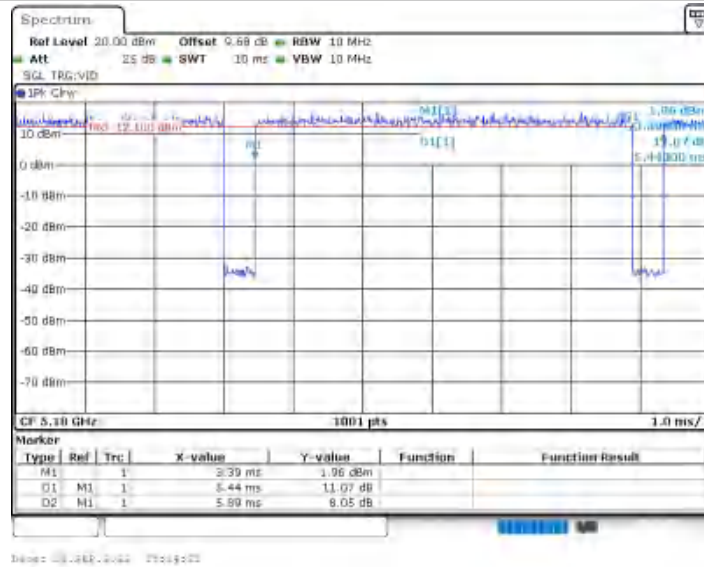
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11N20MIMO_Ant2_5180



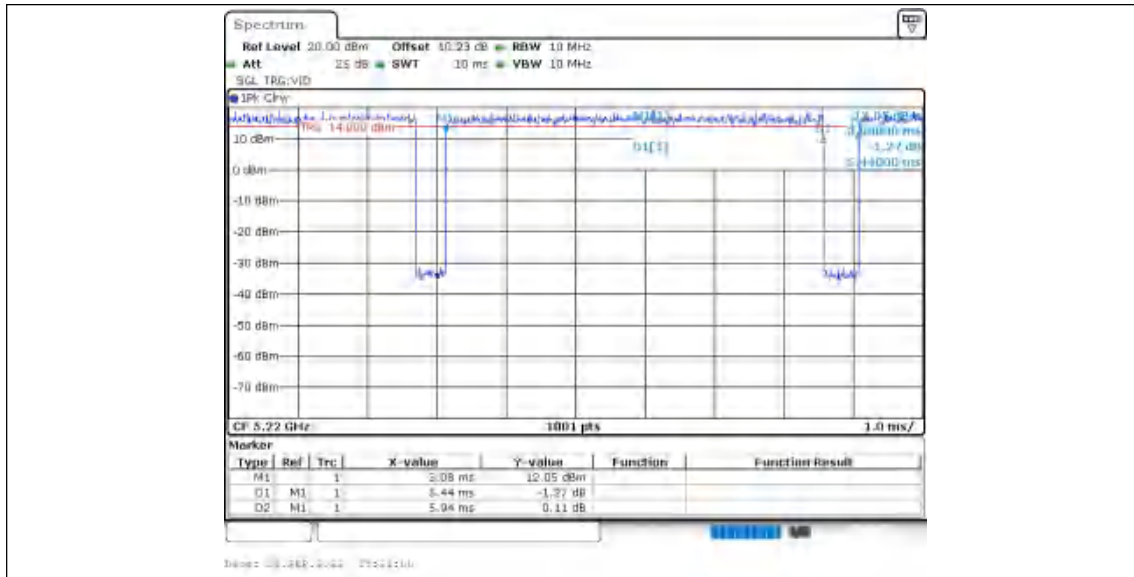
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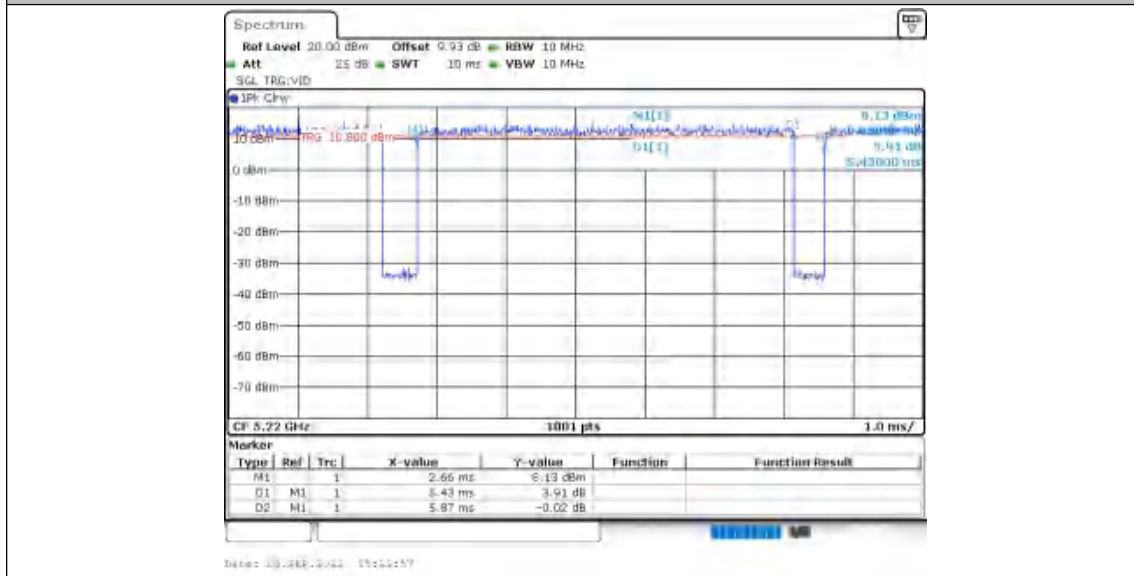
CVC Testing Technology Co., Ltd.

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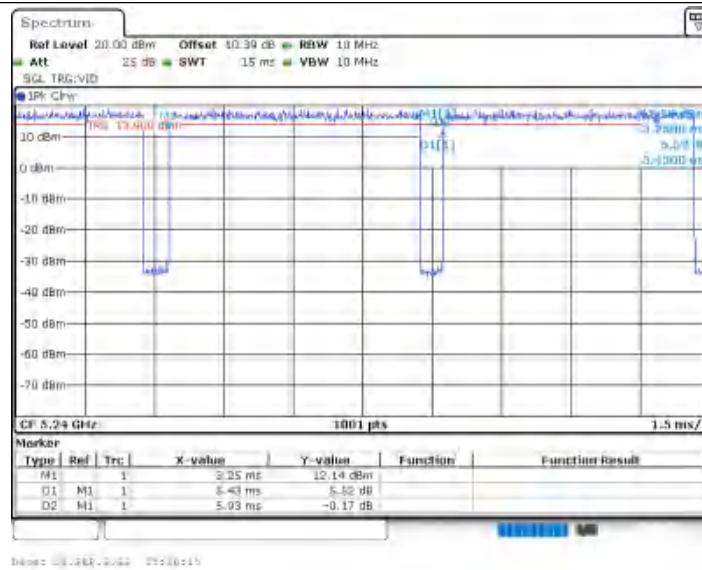
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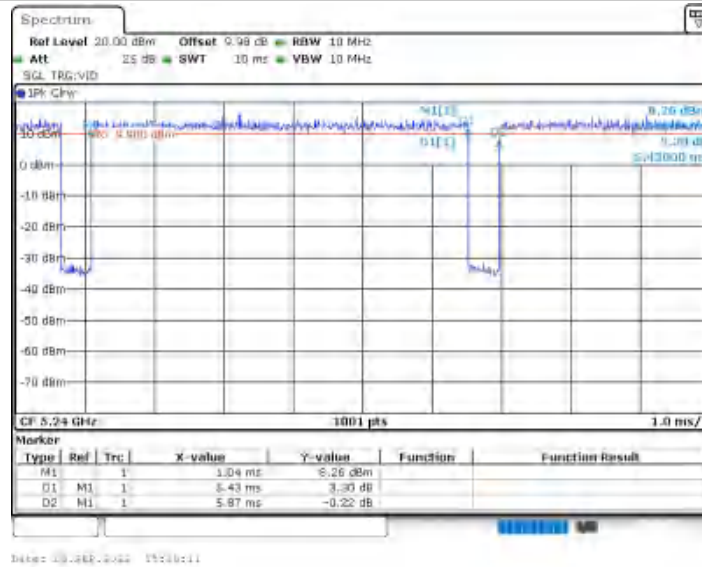
11N20MIMO_Ant2_5220



11N20MIMO_Ant1_5240



11N20MIMO_Ant2_5240



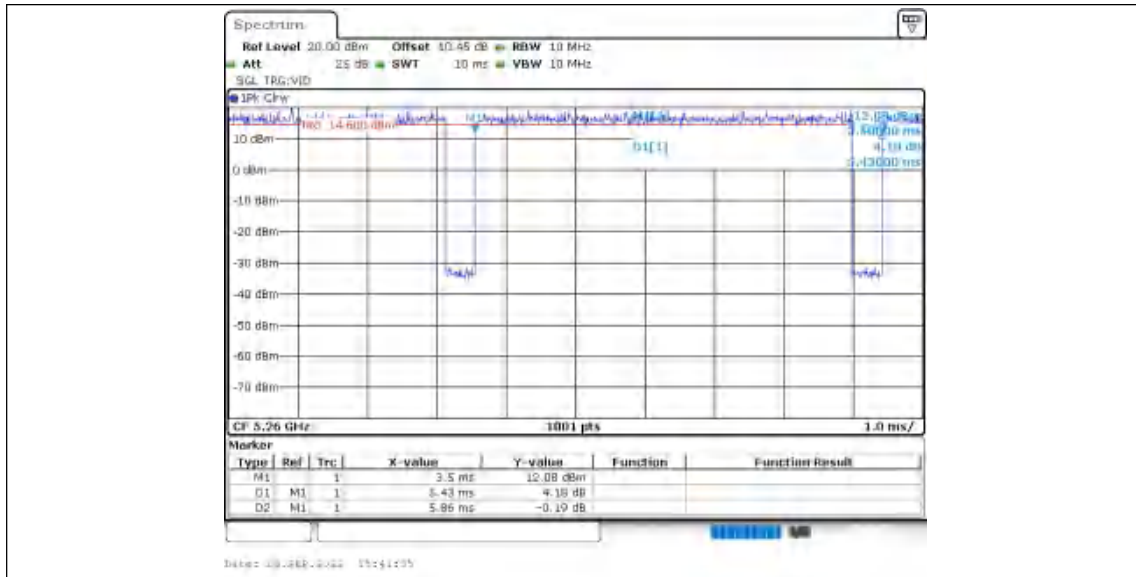
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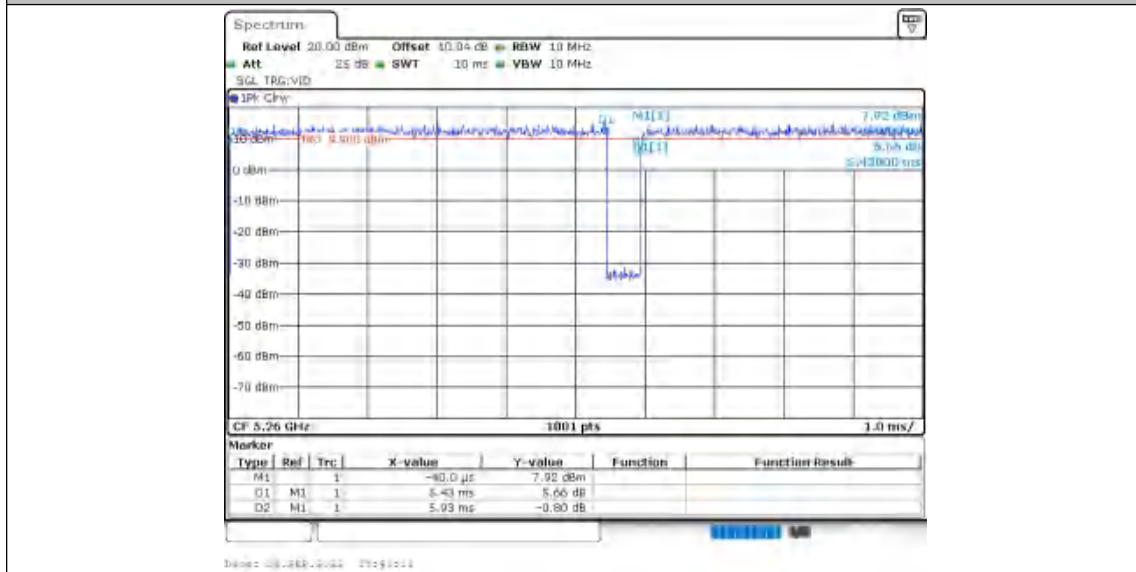
CVC Testing Technology Co., Ltd.

Test Report No.: FCC2022-0064-RF6-A1

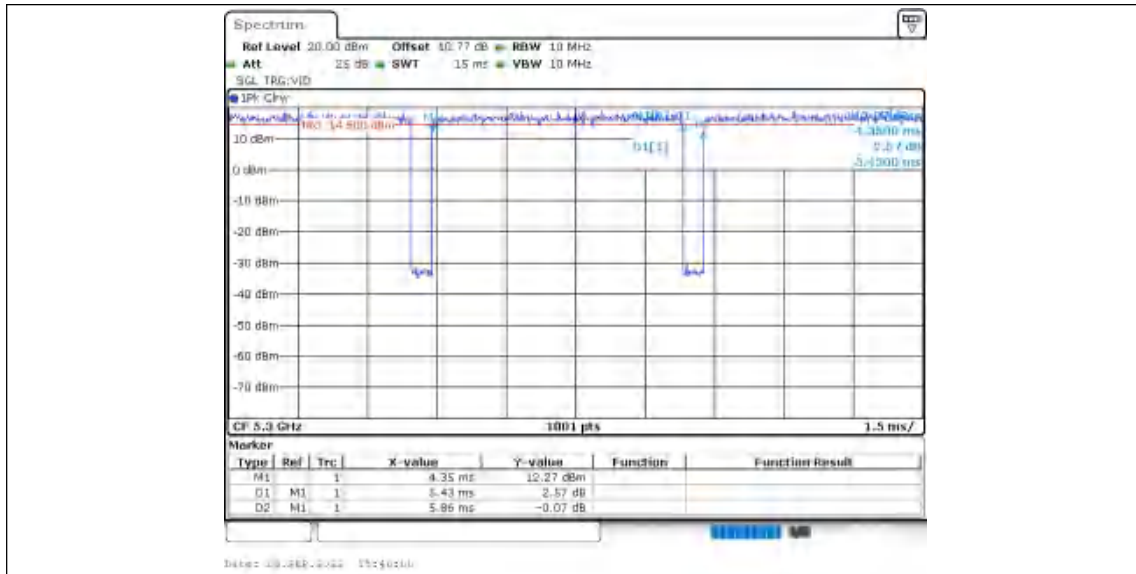
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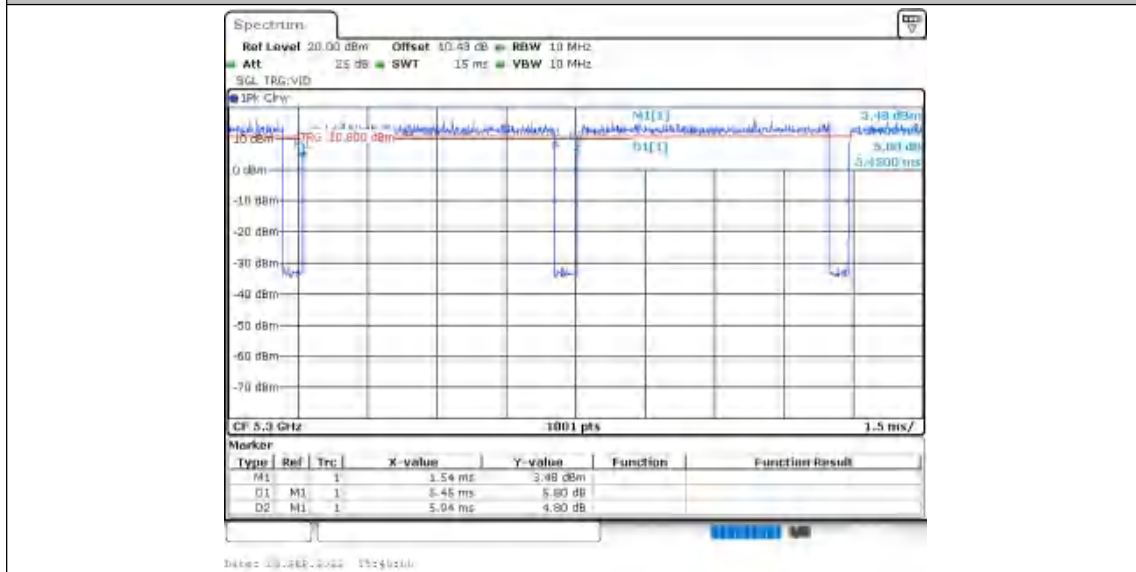
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11N20MIMO_Ant1_5300



11N20MIMO_Ant2_5300



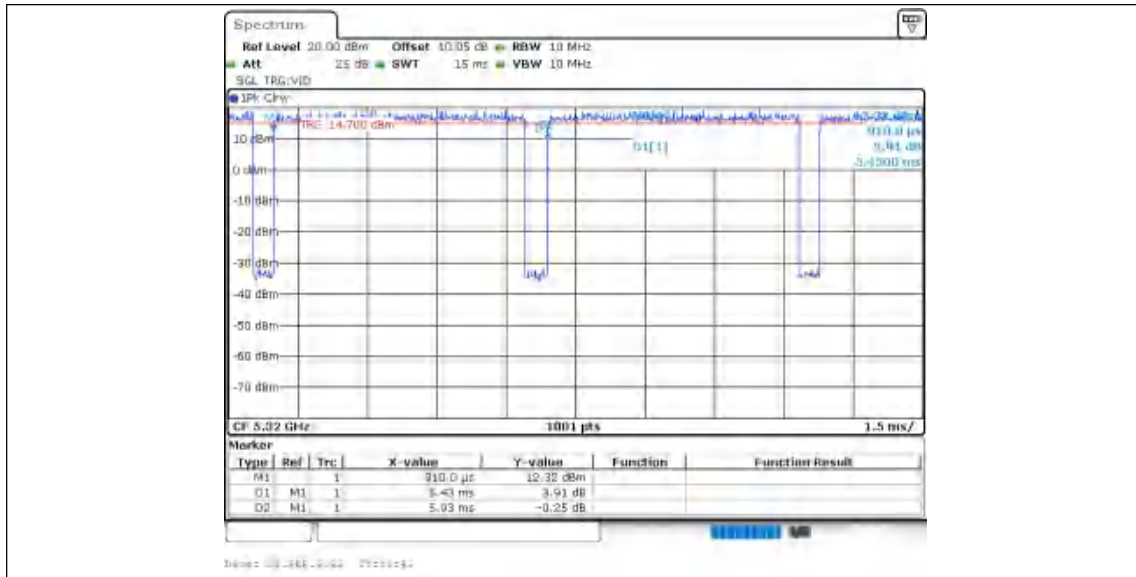
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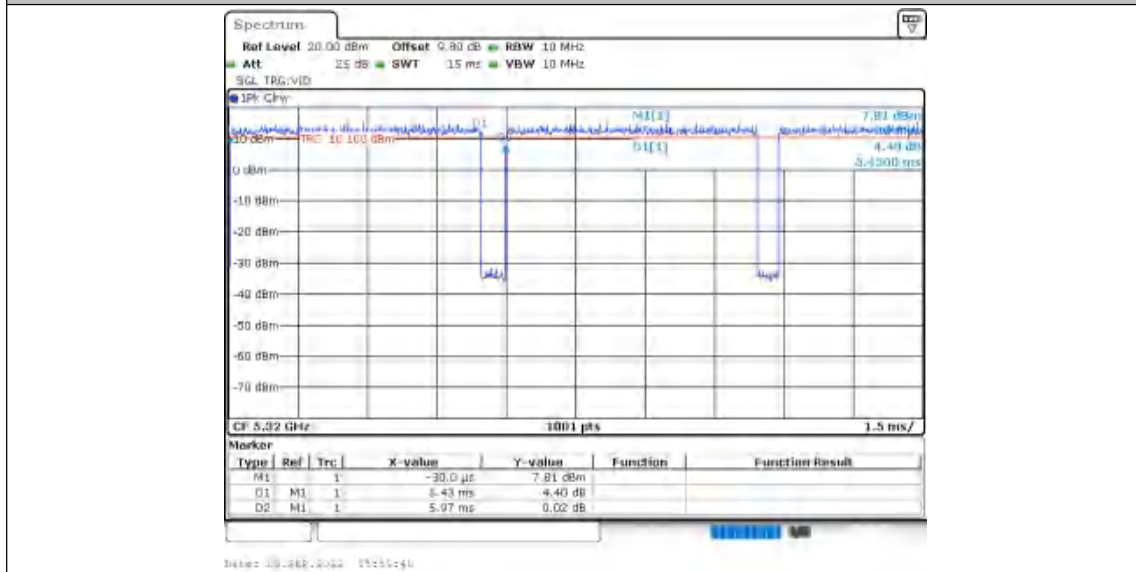
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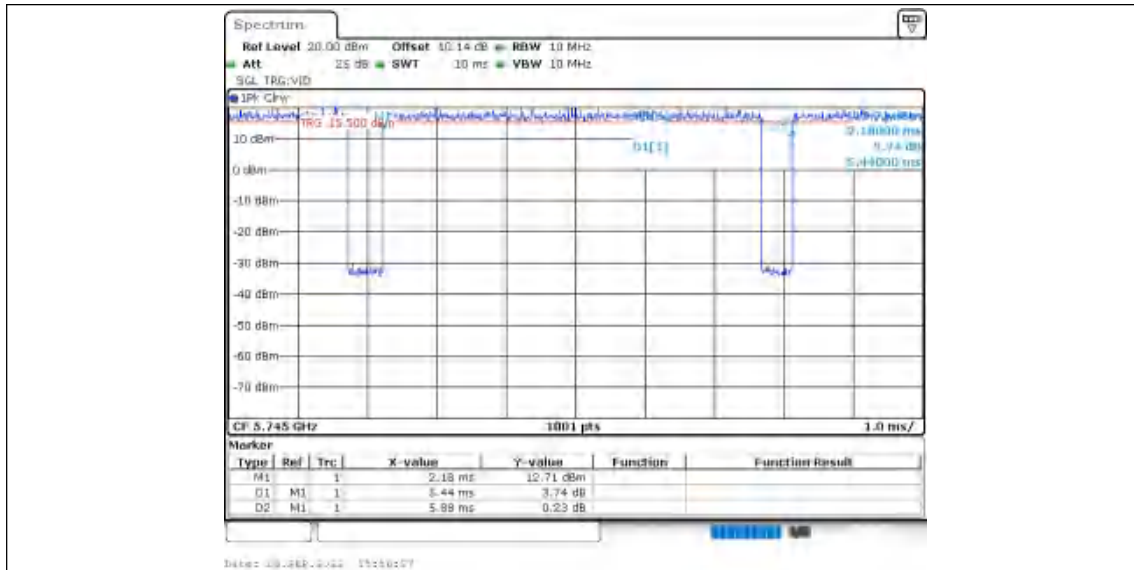
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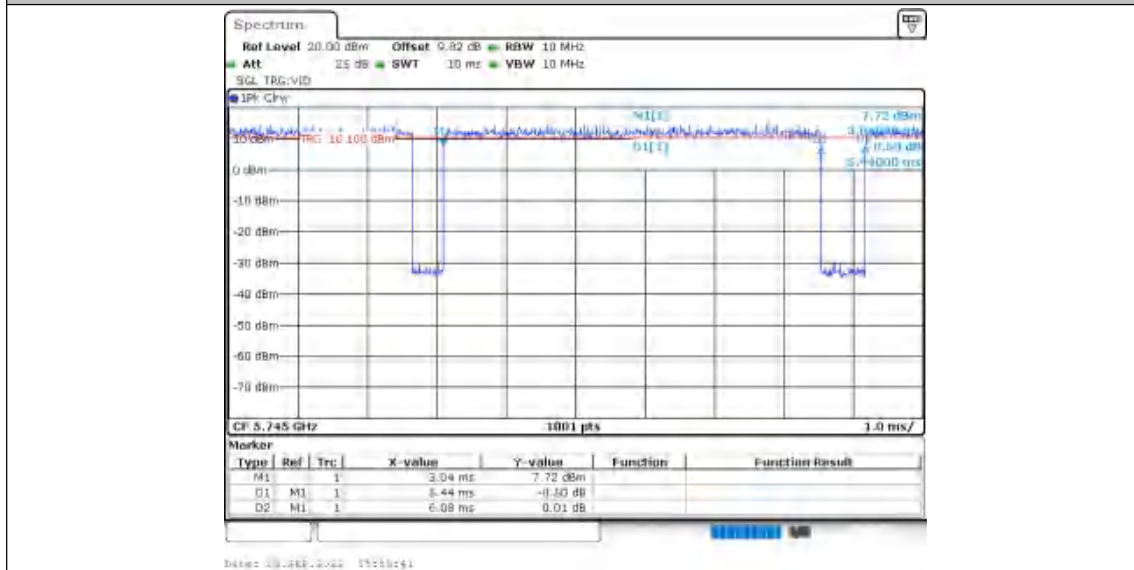
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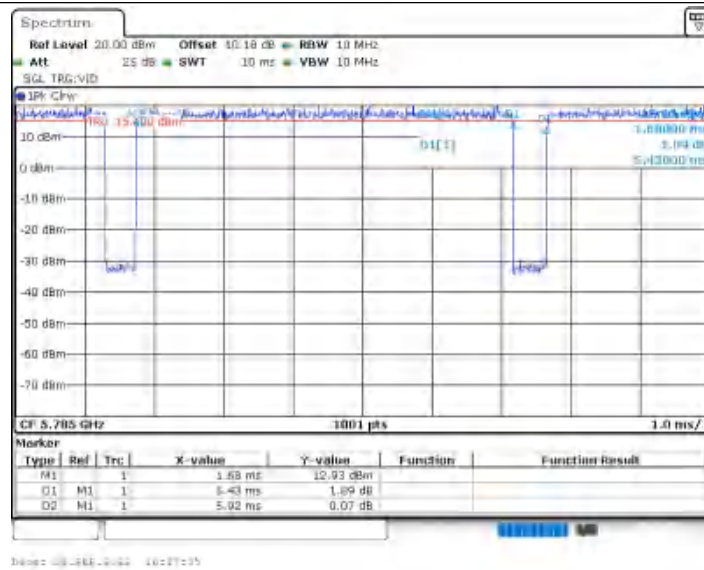
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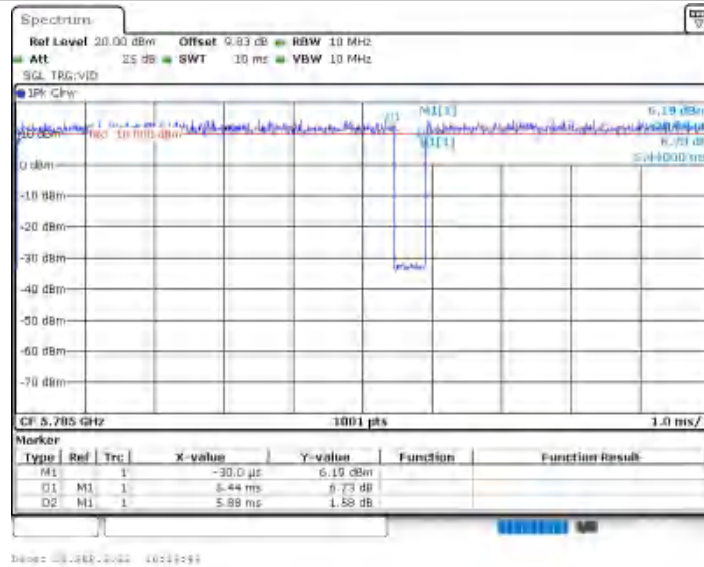
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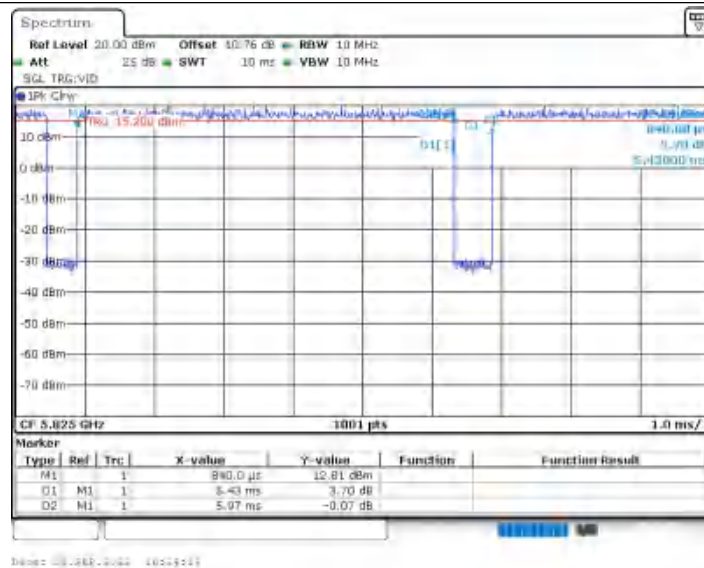
11N20MIMO_Ant1_5785



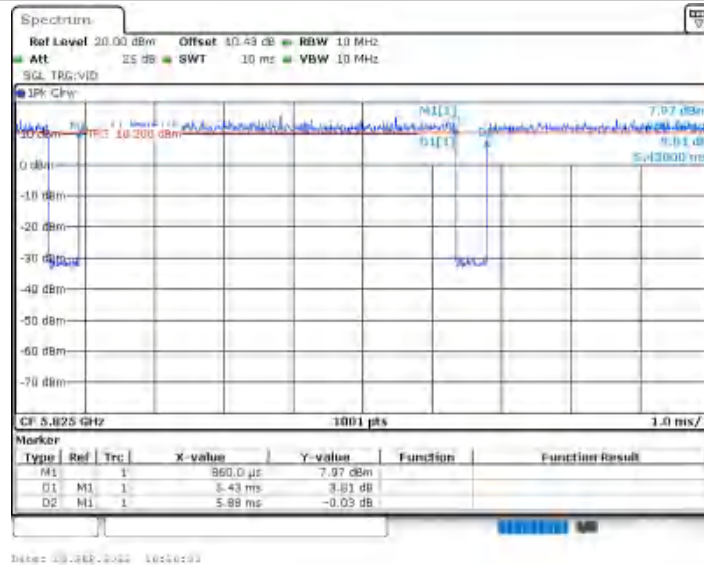
11N20MIMO_Ant2_5785



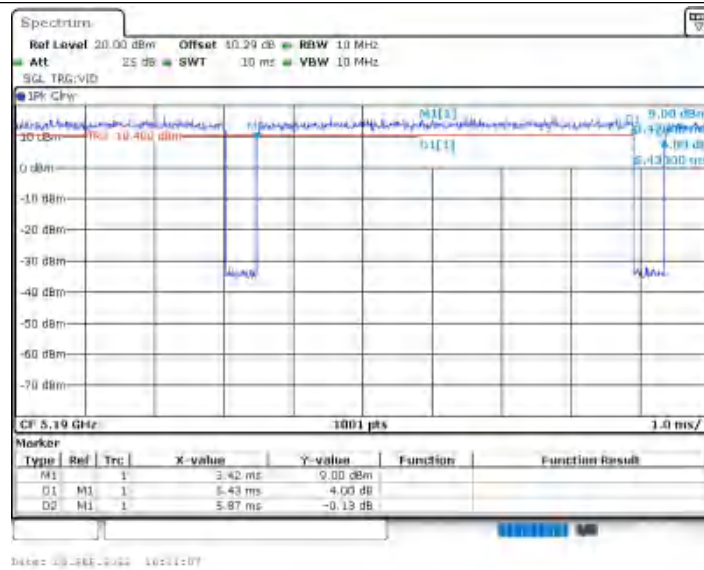
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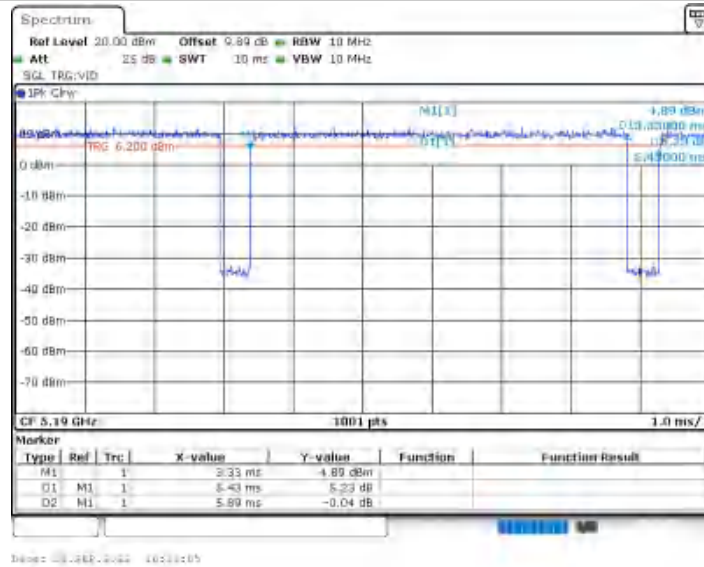
11N20MIMO_Ant2_5825



11N40MIMO_Ant1_5190



11N40MIMO_Ant2_5190



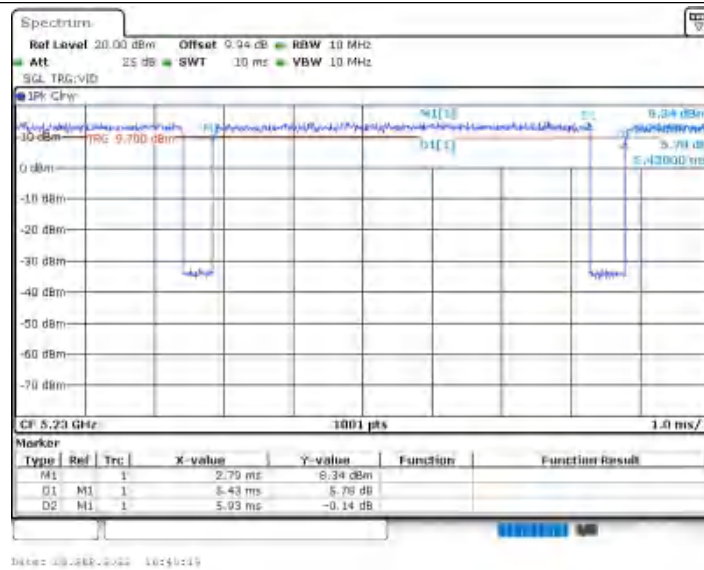
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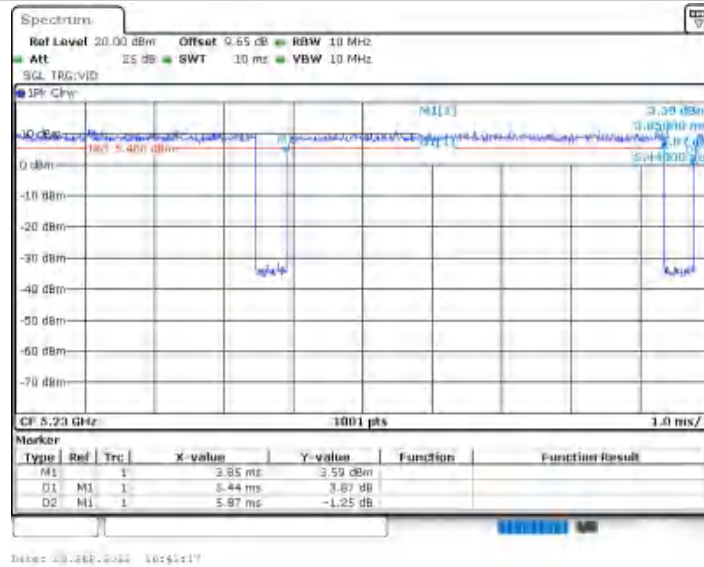
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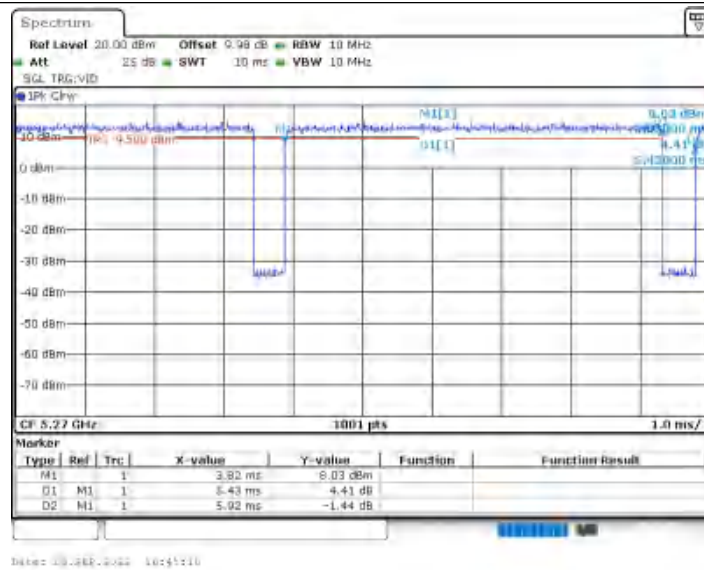
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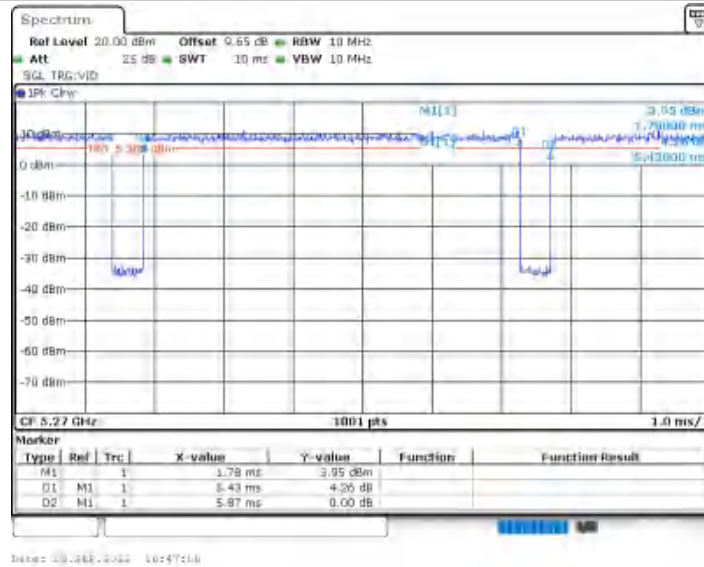
11N40MIMO_Ant2_5230



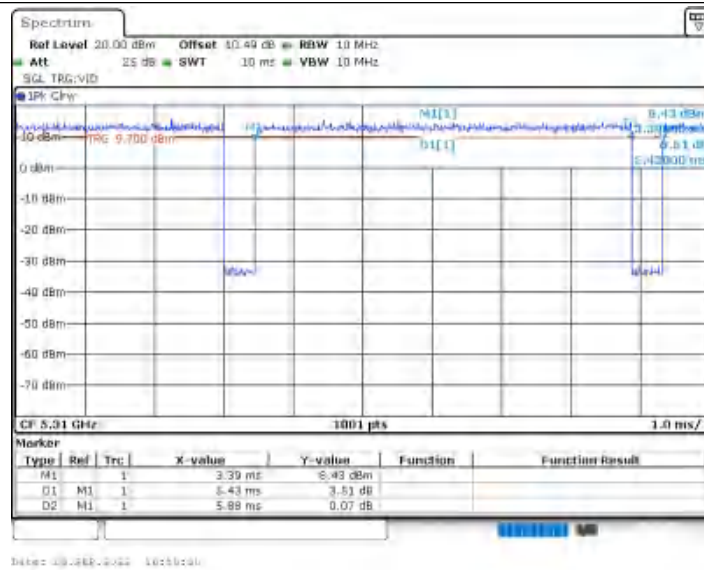
11N40MIMO_Ant1_5270



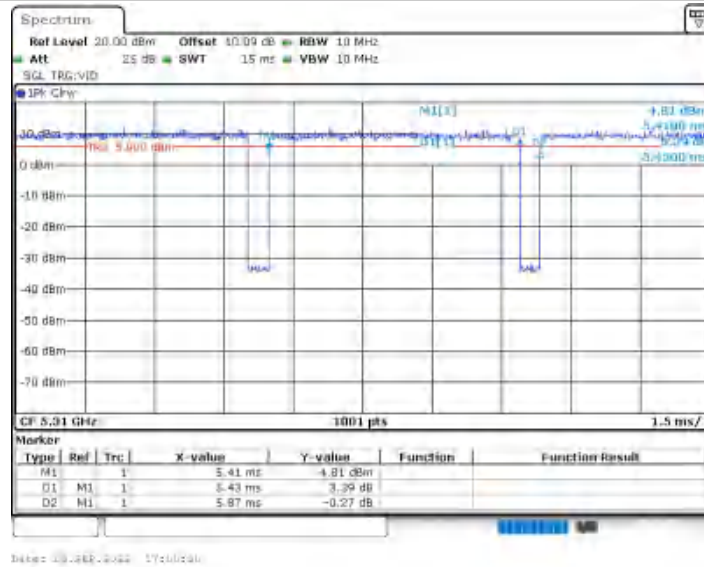
11N40MIMO_Ant2_5270



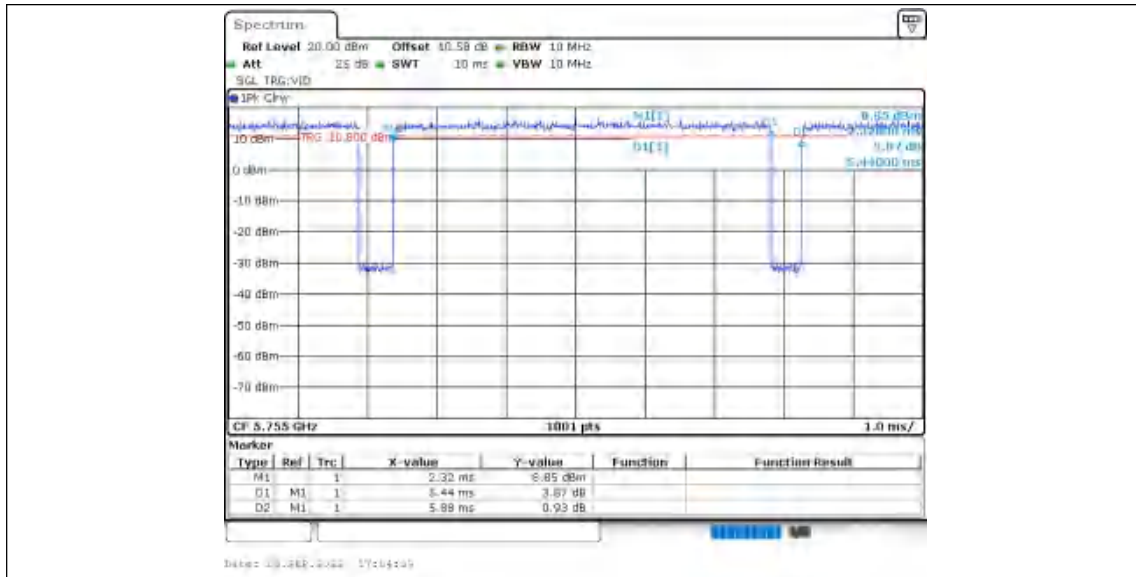
11N40MIMO_Ant1_5310



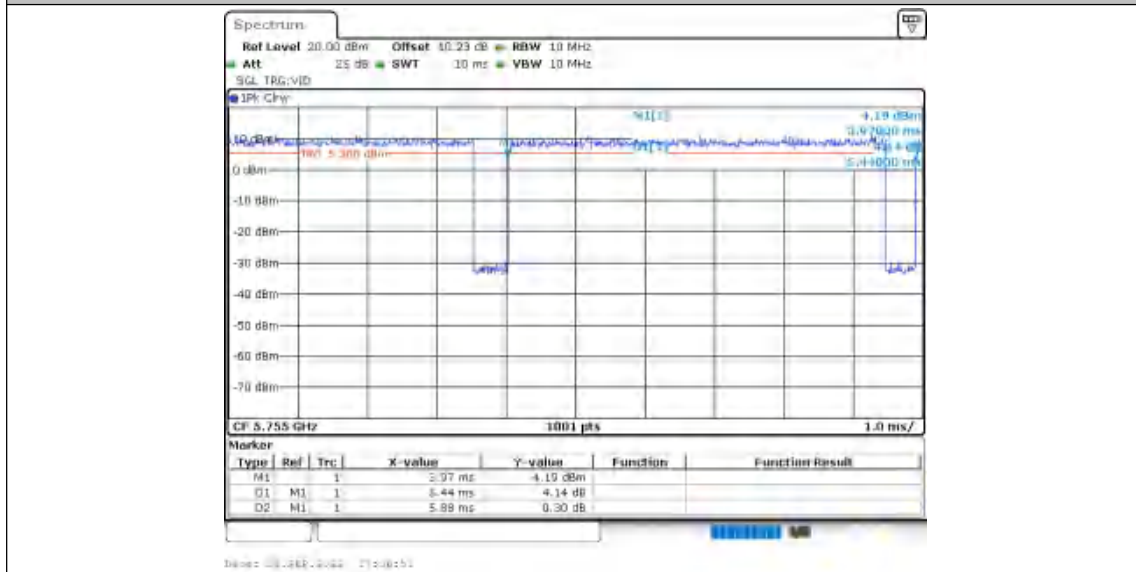
11N40MIMO_Ant2_5310



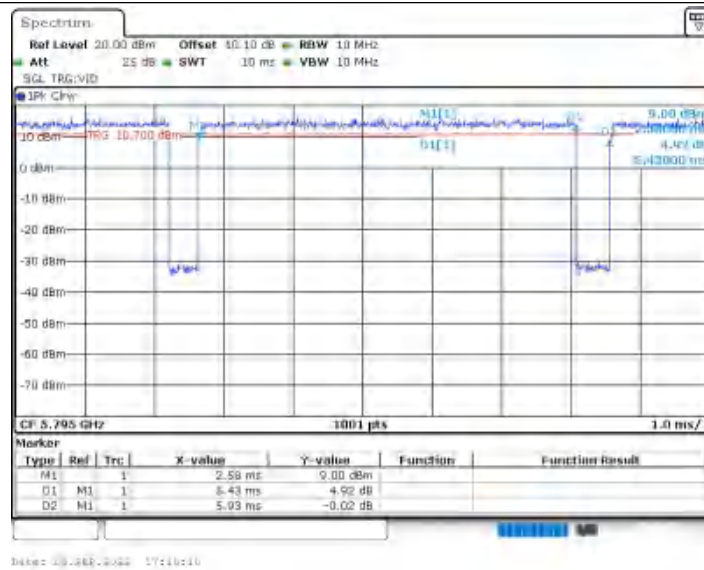
11N40MIMO_Ant1_5755



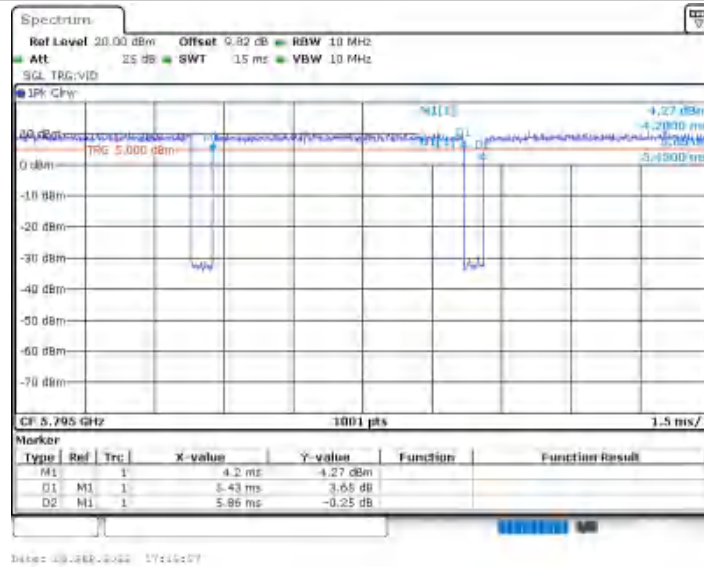
11N40MIMO_Ant2_5755



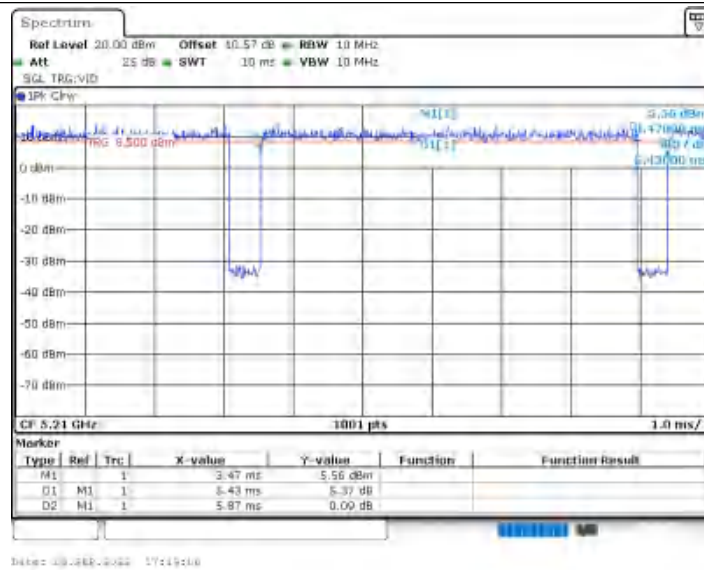
11N40MIMO_Ant1_5795



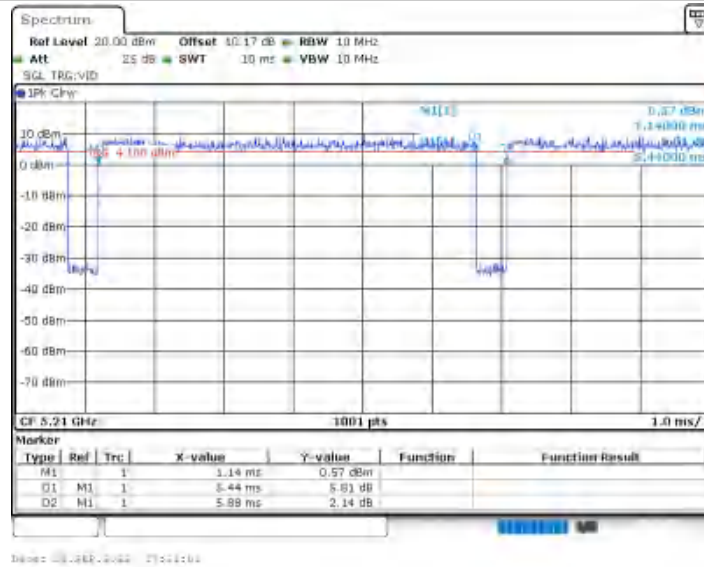
11N40MIMO_Ant2_5795



11AC80MIMO_Ant1_5210



11AC80MIMO_Ant2_5210



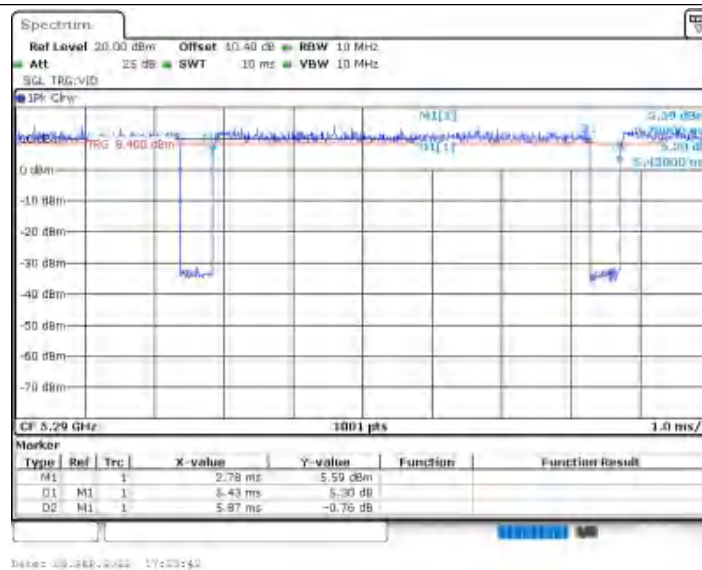
11AC80MIMO_Ant1_5290



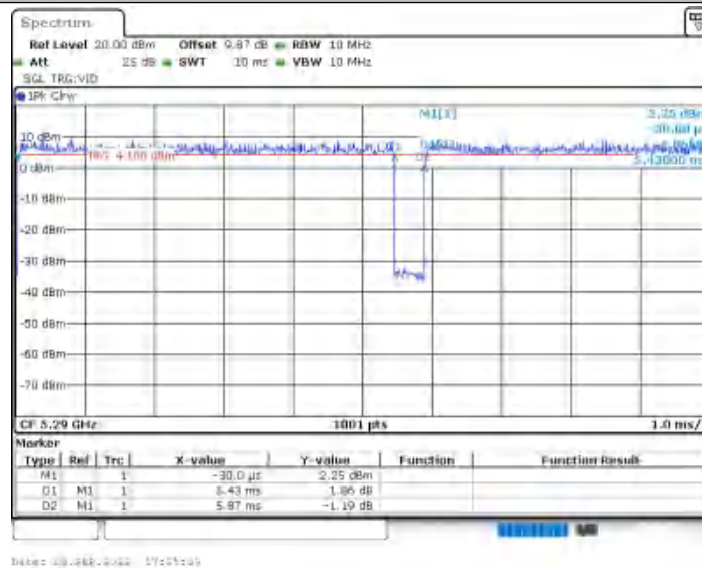
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11AC80MIMO_Ant2_5290



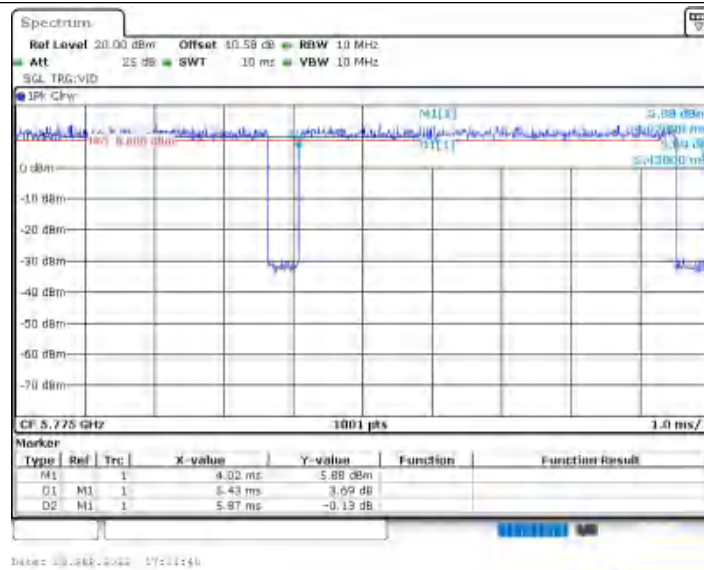
11AC80MIMO_Ant1_5775



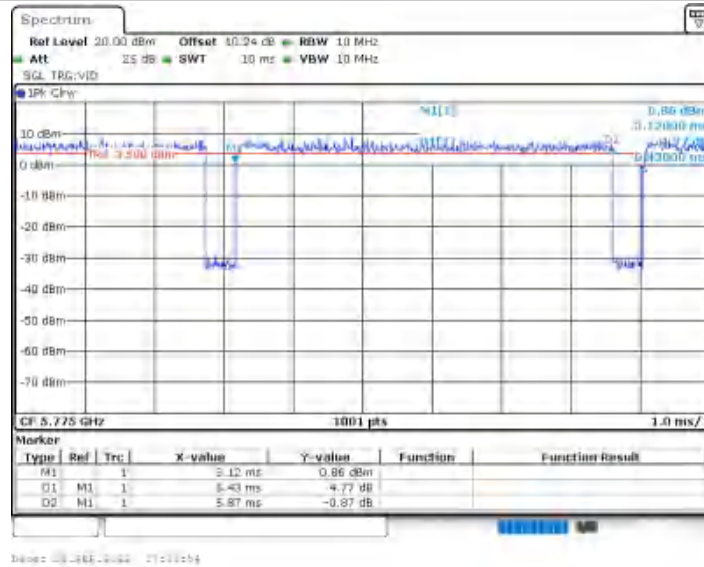
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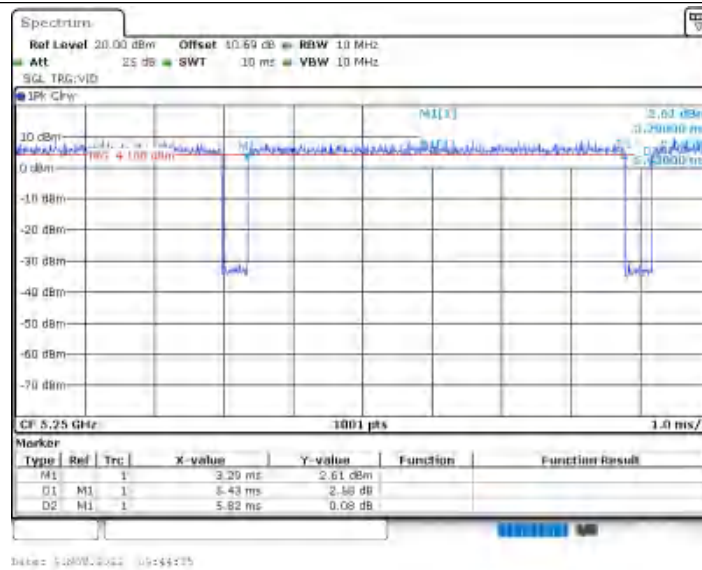
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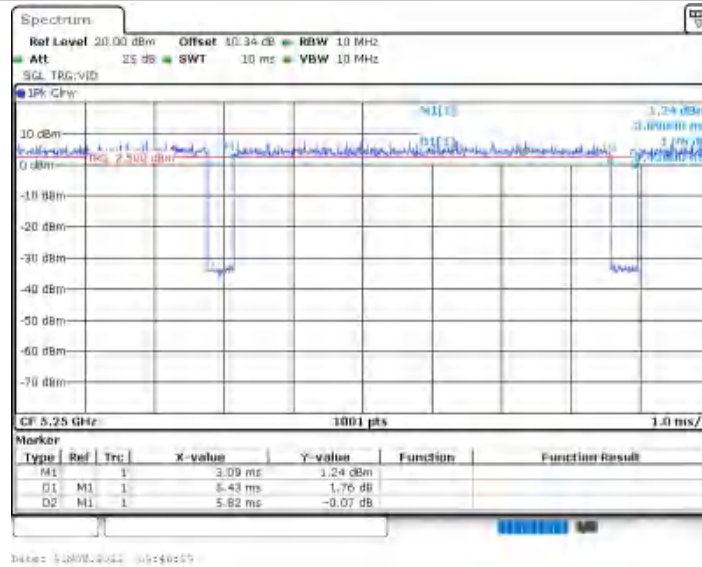
11AC80MIMO_Ant2_5775



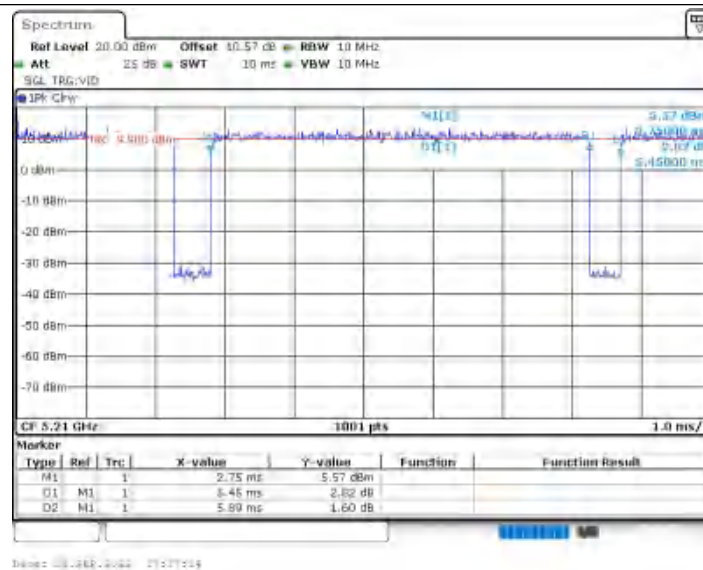
11AC160MIMO_Ant1_5250



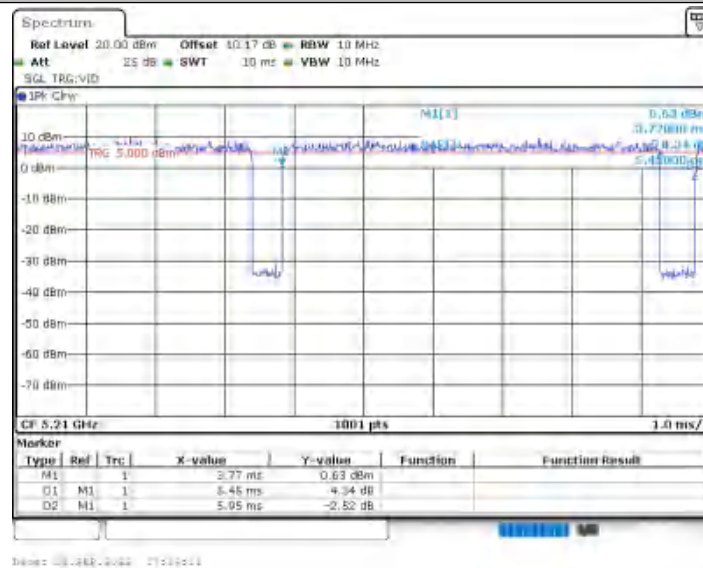
11AC160MIMO_Ant2_5250



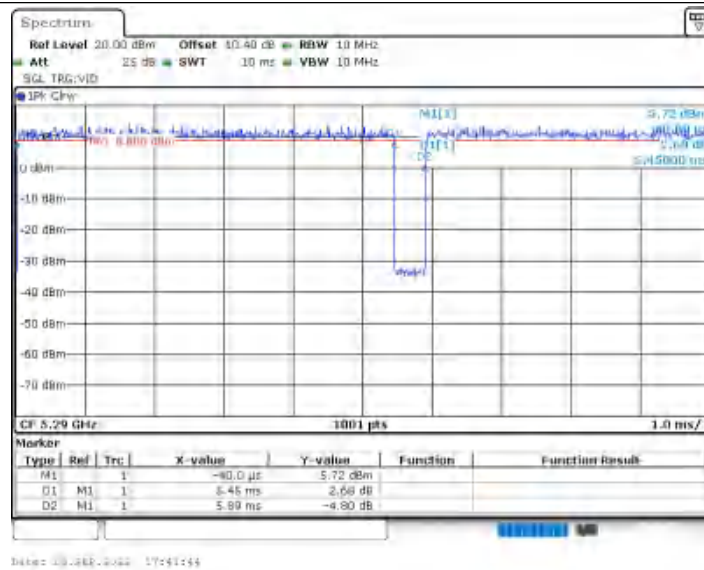
11AX80MIMO_Ant1_5210



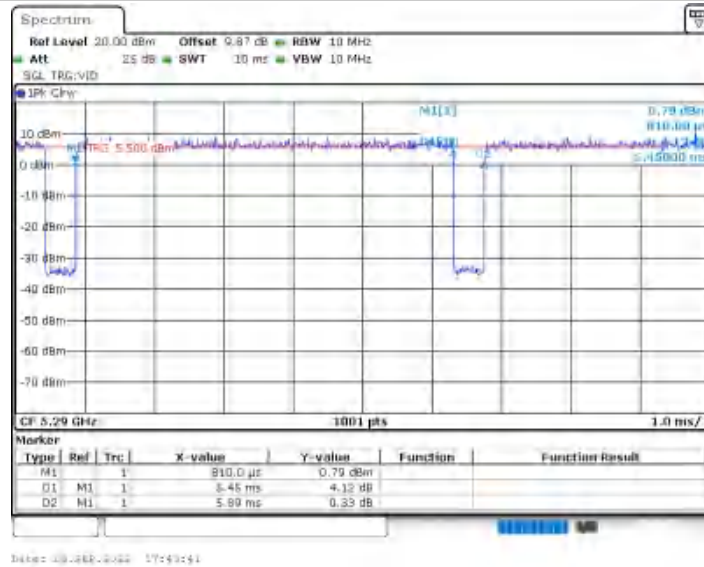
11AX80MIMO_Ant2_5210



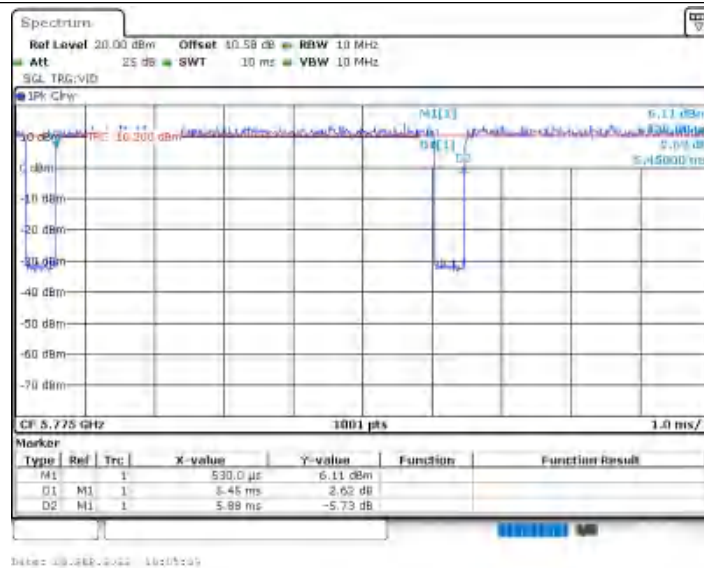
11AX80MIMO_Ant1_5290



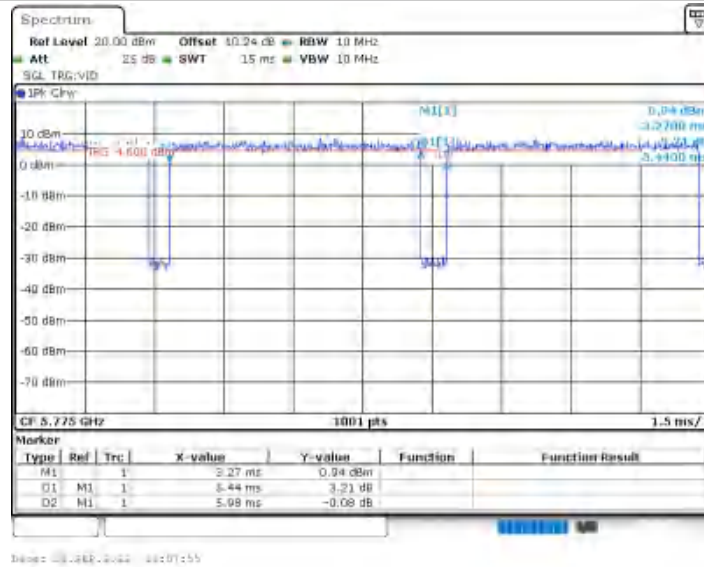
11AX80MIMO_Ant2_5290



11AX80MIMO_Ant1_5775



11AX80MIMO_Ant2_5775



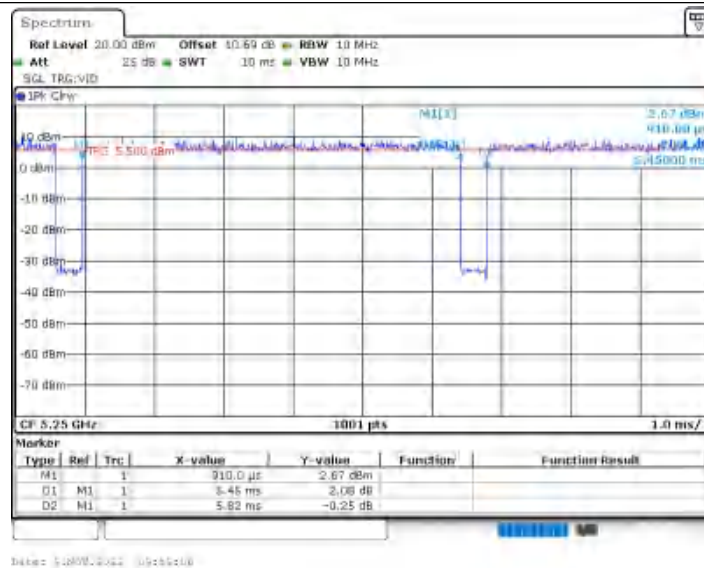
11AX160MIMO_Ant1_5250



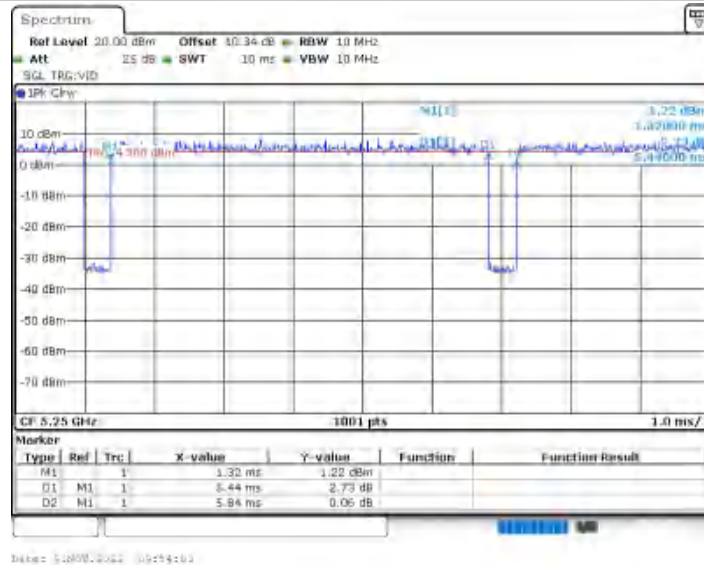
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11AX160MIMO_Ant2_5250





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]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11A-CDD	Ant1	5180	---	12.72	82.40	0.84	13.56	≤23.98	0.50	14.06	---	PASS
	Ant2	5180	---	12.20	82.40	0.84	13.04	≤23.98	0.50	13.54	---	PASS
	total	5180	---	---	---	---	16.32	≤23.98	---	16.82	---	PASS
	Ant1	5220	---	12.66	82.40	0.84	13.50	≤23.98	0.50	14.00	---	PASS
	Ant2	5220	---	12.02	82.40	0.84	12.86	≤23.98	0.50	13.36	---	PASS
	total	5220	---	---	---	---	16.20	≤23.98	---	16.70	---	PASS
	Ant1	5240	---	12.21	82.40	0.84	13.05	≤23.98	0.50	13.55	---	PASS
	Ant2	5240	---	11.69	82.40	0.84	12.53	≤23.98	0.50	13.03	---	PASS
	total	5240	---	---	---	---	15.81	≤23.98	---	16.31	---	PASS
	Ant1	5260	---	12.48	82.73	0.82	13.30	≤23.81	0.50	13.80	≤26.99	PASS
	Ant2	5260	---	12.04	82.40	0.84	12.88	≤23.72	0.50	13.38	≤26.99	PASS
	total	5260	---	---	---	---	16.11	≤23.98	---	16.61	≤26.99	PASS
	Ant1	5300	---	12.83	82.40	0.84	13.67	≤23.82	0.50	14.17	≤26.99	PASS
	Ant2	5300	---	12.64	79.54	0.99	13.63	≤23.78	0.50	14.13	≤26.99	PASS
	total	5300	---	---	---	---	16.66	≤23.98	---	17.16	≤26.99	PASS
	Ant1	5320	---	12.31	82.73	0.82	13.13	≤23.81	0.50	13.63	≤26.99	PASS
	Ant2	5320	---	11.80	80.47	0.94	12.74	≤23.73	0.50	13.24	≤26.99	PASS
	total	5320	---	---	---	---	15.95	≤23.98	---	16.45	≤26.99	PASS
	Ant1	5745	---	12.36	82.73	0.82	13.18	≤30.00	0.50	13.68	---	PASS
	Ant2	5745	---	10.43	82.40	0.84	11.27	≤30.00	0.50	11.77	---	PASS
	total	5745	---	---	---	---	15.34	≤30.00	---	15.84	---	PASS
	Ant1	5785	---	12.59	82.40	0.84	13.43	≤30.00	0.50	13.93	---	PASS
	Ant2	5785	---	8.46	81.10	0.91	9.37	≤30.00	0.50	9.87	---	PASS
	total	5785	---	---	---	---	13.51	≤30.00	---	14.01	---	PASS
	Ant1	5825	---	12.41	82.73	0.82	13.23	≤30.00	0.50	13.73	---	PASS
	Ant2	5825	---	10.55	82.40	0.84	11.39	≤30.00	0.50	11.89	---	PASS
	total	5825	---	---	---	---	15.42	≤30.00	---	15.92	---	PASS
11N20MI MO	Ant1	5180	---	13.28	92.50	0.34	13.62	≤23.98	0.50	14.12	---	PASS
	Ant2	5180	---	12.68	92.50	0.34	13.02	≤23.98	0.50	13.52	---	PASS
	total	5180	---	---	---	---	16.34	≤23.98	---	16.84	---	PASS
	Ant1	5220	---	13.12	91.57	0.38	13.50	≤23.98	0.50	14.00	---	PASS
	Ant2	5220	---	12.53	92.50	0.34	12.87	≤23.98	0.50	13.37	---	PASS
	total	5220	---	---	---	---	16.21	≤23.98	---	16.71	---	PASS



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	Ant1	5240	---	12.72	91.41	0.39	13.11	≤23.98	0.50	13.61	---	PASS
	Ant2	5240	---	12.21	92.50	0.34	12.55	≤23.98	0.50	13.05	---	PASS
	total	5240	---	---	---	---	15.85	≤23.98	---	16.35	---	PASS
	Ant1	5260	---	13.06	92.35	0.35	13.41	≤23.98	0.50	13.91	≤26.99	PASS
	Ant2	5260	---	12.52	92.66	0.33	12.85	≤23.98	0.50	13.35	≤26.99	PASS
	total	5260	---	---	---	---	16.15	≤23.98	---	16.65	≤26.99	PASS
	Ant1	5300	---	13.31	92.50	0.34	13.65	≤23.98	0.50	14.15	≤26.99	PASS
	Ant2	5300	---	13.19	91.57	0.38	13.57	≤23.98	0.50	14.07	≤26.99	PASS
	total	5300	---	---	---	---	16.62	≤23.98	---	17.12	≤26.99	PASS
	Ant1	5320	---	12.94	92.50	0.34	13.28	≤23.98	0.50	13.78	≤26.99	PASS
	Ant2	5320	---	12.25	91.41	0.39	12.64	≤23.98	0.50	13.14	≤26.99	PASS
	total	5320	---	---	---	---	15.98	≤23.98	---	16.48	≤26.99	PASS
	Ant1	5745	---	12.93	91.41	0.39	13.32	≤30.00	0.50	13.82	---	PASS
	Ant2	5745	---	10.98	92.35	0.35	11.33	≤30.00	0.50	11.83	---	PASS
	total	5745	---	---	---	---	15.45	≤30.00	---	15.95	---	PASS
	Ant1	5785	---	13.08	92.50	0.34	13.42	≤30.00	0.50	13.92	---	PASS
	Ant2	5785	---	10.93	92.52	0.34	11.27	≤30.00	0.50	11.77	---	PASS
	total	5785	---	---	---	---	15.49	≤30.00	---	15.99	---	PASS
	Ant1	5825	---	12.92	92.66	0.33	13.25	≤30.00	0.50	13.75	---	PASS
	Ant2	5825	---	11.06	90.95	0.41	11.47	≤30.00	0.50	11.97	---	PASS
	total	5825	---	---	---	---	15.46	≤30.00	---	15.96	---	PASS
11N40MI MO	Ant1	5190	---	13.31	91.57	0.38	13.69	≤23.98	0.50	14.19	---	PASS
	Ant2	5190	---	12.61	92.35	0.35	12.96	≤23.98	0.50	13.46	---	PASS
	total	5190	---	---	---	---	16.35	≤23.98	---	16.85	---	PASS
	Ant1	5230	---	12.55	92.52	0.34	12.89	≤23.98	0.50	13.39	---	PASS
	Ant2	5230	---	11.89	92.50	0.34	12.23	≤23.98	0.50	12.73	---	PASS
	total	5230	---	---	---	---	15.58	≤23.98	---	16.08	---	PASS
	Ant1	5270	---	12.39	92.67	0.33	12.72	≤23.98	0.50	13.22	≤26.99	PASS
	Ant2	5270	---	11.91	92.50	0.34	12.25	≤23.98	0.50	12.75	≤26.99	PASS
	total	5270	---	---	---	---	15.50	≤23.98	---	16.00	≤26.99	PASS
	Ant1	5310	---	12.92	92.19	0.35	13.27	≤23.98	0.50	13.77	≤26.99	PASS
	Ant2	5310	---	12.65	92.35	0.35	13.00	≤23.98	0.50	13.50	≤26.99	PASS
	total	5310	---	---	---	---	16.15	≤23.98	---	16.65	≤26.99	PASS
	Ant1	5755	---	13.29	92.35	0.35	13.64	≤30.00	0.50	14.14	---	PASS
	Ant2	5755	---	11.16	92.66	0.33	11.49	≤30.00	0.50	11.99	---	PASS
	total	5755	---	---	---	---	15.71	≤30.00	---	16.21	---	PASS
	Ant1	5795	---	12.94	92.50	0.34	13.28	≤30.00	0.50	13.78	---	PASS
	Ant2	5795	---	10.67	92.52	0.34	11.01	≤30.00	0.50	11.51	---	PASS
	total	5795	---	---	---	---	15.30	≤30.00	---	15.80	---	PASS
11AC80M	Ant1	5210	---	13.46	92.37	0.34	13.80	≤23.98	0.50	14.30	---	PASS



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IMO	Ant2	5210	---	12.30	91.60	0.38	12.68	≤23.98	0.50	13.18	---	PASS
	total	5210	---	---	---	---	16.29	≤23.98	---	16.79	---	PASS
	Ant1	5290	---	13.01	92.53	0.34	13.35	≤23.98	0.50	13.85	≤26.99	PASS
	Ant2	5290	---	12.26	92.36	0.35	12.61	≤23.98	0.50	13.11	≤26.99	PASS
	total	5290	---	---	---	---	16.01	≤23.98	---	16.51	≤26.99	PASS
	Ant1	5775	---	13.54	91.43	0.39	13.93	≤30.00	0.50	14.43	---	PASS
	Ant2	5775	---	11.31	92.53	0.34	11.65	≤30.00	0.50	12.15	---	PASS
	total	5775	---	---	---	---	15.95	≤30.00	---	16.45	---	PASS
11AC160 MIMO	Ant1	5250	---	13.12	93.46	0.29	13.41	≤23.98	0.50	13.91	≤26.99	PASS
	Ant2	5250	---	12.70	92.66	0.33	13.03	≤23.98	0.50	13.53	≤26.99	PASS
	total	5250	---	---	---	---	16.23	≤23.98	---	16.73	≤26.99	PASS
11AX80M IMO	Ant1	5210	---	13.29	92.53	0.34	13.63	≤23.98	0.50	14.13	---	PASS
	Ant2	5210	---	12.63	90.08	0.45	13.08	≤23.98	0.50	13.58	---	PASS
	total	5210	---	---	---	---	16.37	≤23.98	---	16.87	---	PASS
	Ant1	5290	---	12.99	91.43	0.39	13.38	≤23.98	0.50	13.88	≤26.99	PASS
	Ant2	5290	---	12.27	92.53	0.34	12.61	≤23.98	0.50	13.11	≤26.99	PASS
	total	5290	---	---	---	---	16.02	≤23.98	---	16.52	≤26.99	PASS
	Ant1	5775	---	13.58	91.43	0.39	13.97	≤30.00	0.50	14.47	---	PASS
	Ant2	5775	---	11.34	92.37	0.34	11.68	≤30.00	0.50	12.18	---	PASS
	total	5775	---	---	---	---	15.98	≤30.00	---	16.48	---	PASS
11AX160 MIMO	Ant1	5250	---	13.14	93.64	0.29	13.43	≤23.98	0.50	13.93	≤26.99	PASS
	Ant2	5250	---	12.73	92.22	0.35	13.08	≤23.98	0.50	13.58	≤26.99	PASS
	total	5250	---	---	---	---	16.27	≤23.98	---	16.77	≤26.99	PASS

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



Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A-CDD	Ant1	5180	2.28	≤11.00	PASS
	Ant2	5180	1.85	≤11.00	PASS
	total	5180	5.08	≤11.00	PASS
	Ant1	5220	2.23	≤11.00	PASS
	Ant2	5220	1.66	≤11.00	PASS
	total	5220	4.96	≤11.00	PASS
	Ant1	5240	1.68	≤11.00	PASS
	Ant2	5240	1.18	≤11.00	PASS
	total	5240	4.45	≤11.00	PASS
	Ant1	5260	2.05	≤11.00	PASS
	Ant2	5260	1.52	≤11.00	PASS
	total	5260	4.80	≤11.00	PASS
	Ant1	5300	2.5	≤11.00	PASS
	Ant2	5300	2.5	≤11.00	PASS
	total	5300	5.51	≤11.00	PASS
	Ant1	5320	2.05	≤11.00	PASS
	Ant2	5320	1.52	≤11.00	PASS
	total	5320	4.80	≤11.00	PASS
	Ant1	5745	-0.89	≤30.00	PASS
	Ant2	5745	-2.48	≤30.00	PASS
	total	5745	1.40	≤30.00	PASS
	Ant1	5785	-0.81	≤30.00	PASS
	Ant2	5785	-4.49	≤30.00	PASS
	total	5785	-0.52	≤30.00	PASS
	Ant1	5825	-1.07	≤30.00	PASS
	Ant2	5825	-2.4	≤30.00	PASS
	total	5825	1.33	≤30.00	PASS
11N20MIMO	Ant1	5180	1.96	≤11.00	PASS
	Ant2	5180	1.4	≤11.00	PASS
	total	5180	4.70	≤11.00	PASS
	Ant1	5220	1.85	≤11.00	PASS
	Ant2	5220	1.29	≤11.00	PASS
	total	5220	4.59	≤11.00	PASS
	Ant1	5240	1.42	≤11.00	PASS
	Ant2	5240	0.87	≤11.00	PASS



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	total	5240	4.16	≤11.00	PASS
	Ant1	5260	1.72	≤11.00	PASS
	Ant2	5260	1.12	≤11.00	PASS
	total	5260	4.44	≤11.00	PASS
	Ant1	5300	2.1	≤11.00	PASS
	Ant2	5300	1.92	≤11.00	PASS
	total	5300	5.02	≤11.00	PASS
	Ant1	5320	1.67	≤11.00	PASS
	Ant2	5320	1	≤11.00	PASS
	total	5320	4.36	≤11.00	PASS
	Ant1	5745	-1.26	≤30.00	PASS
	Ant2	5745	-3.06	≤30.00	PASS
	total	5745	0.94	≤30.00	PASS
	Ant1	5785	-1.19	≤30.00	PASS
	Ant2	5785	-2.8	≤30.00	PASS
	total	5785	1.09	≤30.00	PASS
	Ant1	5825	-1.38	≤30.00	PASS
	Ant2	5825	-2.56	≤30.00	PASS
	total	5825	1.08	≤30.00	PASS
11N40MIMO	Ant1	5190	-0.92	≤11.00	PASS
	Ant2	5190	-1.69	≤11.00	PASS
	total	5190	1.72	≤11.00	PASS
	Ant1	5230	-1.7	≤11.00	PASS
	Ant2	5230	-2.37	≤11.00	PASS
	total	5230	0.99	≤11.00	PASS
	Ant1	5270	-1.78	≤11.00	PASS
	Ant2	5270	-2.26	≤11.00	PASS
	total	5270	1.00	≤11.00	PASS
	Ant1	5310	-1.33	≤11.00	PASS
	Ant2	5310	-1.56	≤11.00	PASS
	total	5310	1.57	≤11.00	PASS
	Ant1	5755	-3.93	≤30.00	PASS
	Ant2	5755	-6.03	≤30.00	PASS
	total	5755	-1.84	≤30.00	PASS
	Ant1	5795	-4.28	≤30.00	PASS
	Ant2	5795	-6.48	≤30.00	PASS
	total	5795	-2.23	≤30.00	PASS
11AC80MIMO	Ant1	5210	-3.72	≤11.00	PASS
	Ant2	5210	-4.81	≤11.00	PASS
	total	5210	-1.22	≤11.00	PASS



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	Ant1	5290	-4.38	≤11.00	PASS
	Ant2	5290	-5.18	≤11.00	PASS
	total	5290	-1.75	≤11.00	PASS
	Ant1	5775	-6.77	≤30.00	PASS
	Ant2	5775	-8.55	≤30.00	PASS
	total	5775	-4.56	≤30.00	PASS
11AC160MIMO	Ant1	5250	-7	≤11.00	PASS
	Ant2	5250	-7.54	≤11.00	PASS
	total	5250	-4.25	≤11.00	PASS
11AX80MIMO	Ant1	5210	-3.98	≤11.00	PASS
	Ant2	5210	-4.84	≤11.00	PASS
	total	5210	-1.38	≤11.00	PASS
	Ant1	5290	-4.34	≤11.00	PASS
	Ant2	5290	-5.25	≤11.00	PASS
	total	5290	-1.76	≤11.00	PASS
	Ant1	5775	-6.75	≤30.00	PASS
	Ant2	5775	-8.55	≤30.00	PASS
	total	5775	-4.55	≤30.00	PASS
11AX160MIMO	Ant1	5250	-6.81	≤11.00	PASS
	Ant2	5250	-7.48	≤11.00	PASS
	total	5250	-4.12	≤11.00	PASS

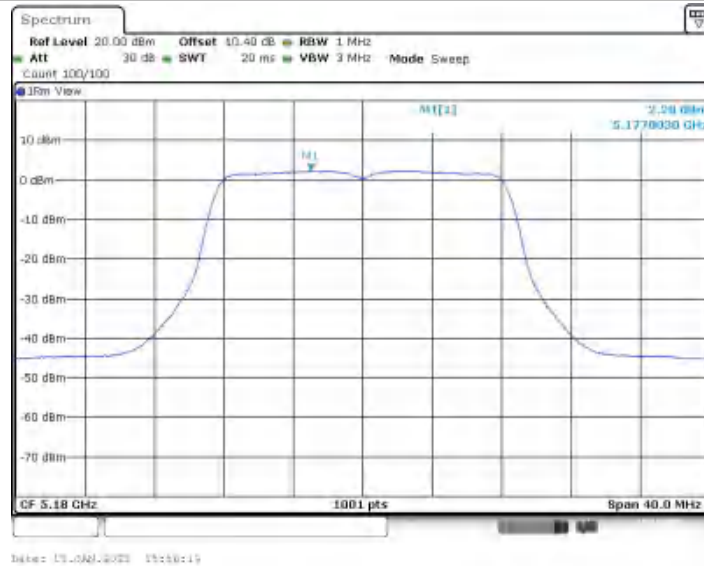
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

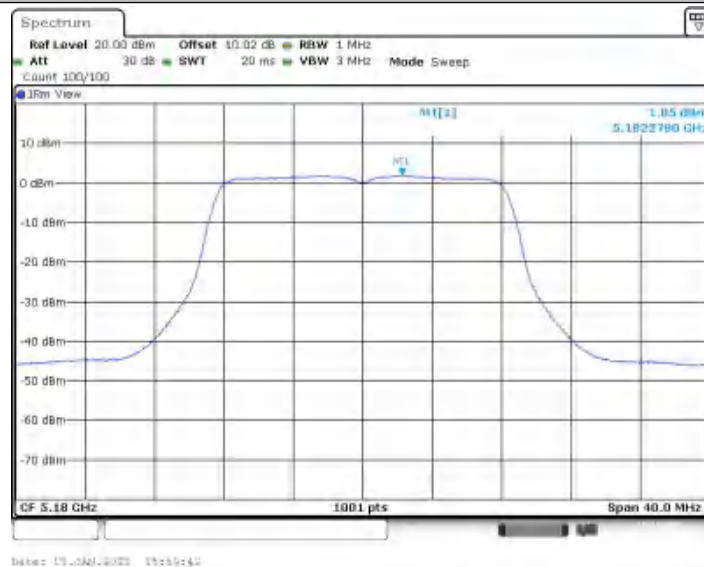


Test Graphs

11A-CDD_Ant1_5180



11A-CDD_Ant2_5180



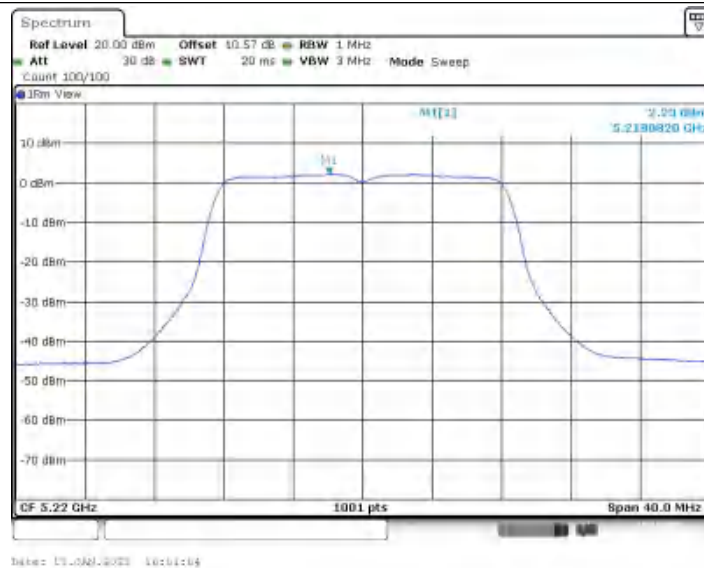
11A-CDD_Ant1_5220



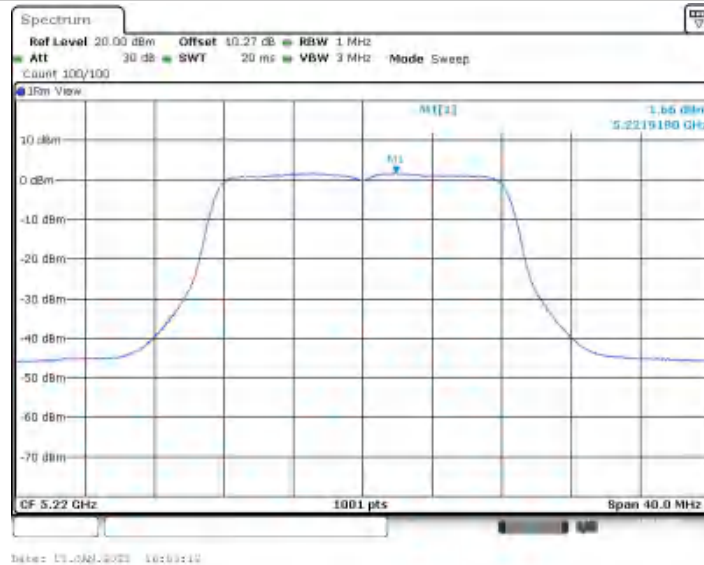
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11A-CDD_Ant2_5220



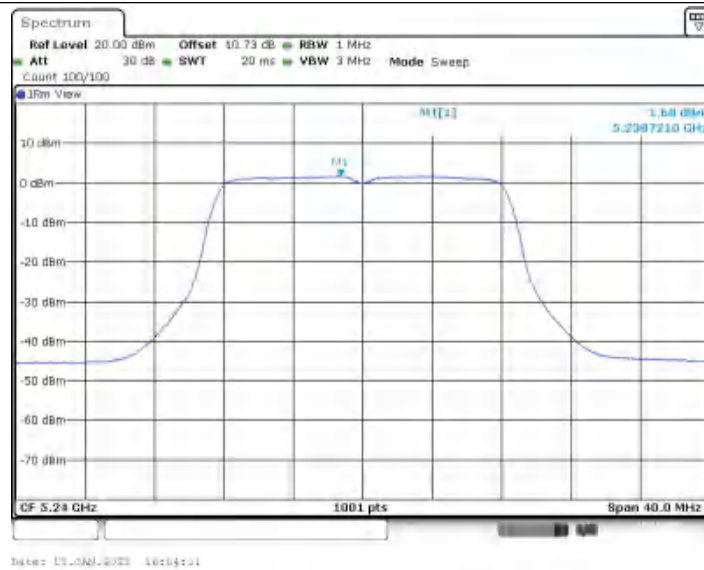
11A-CDD_Ant1_5240



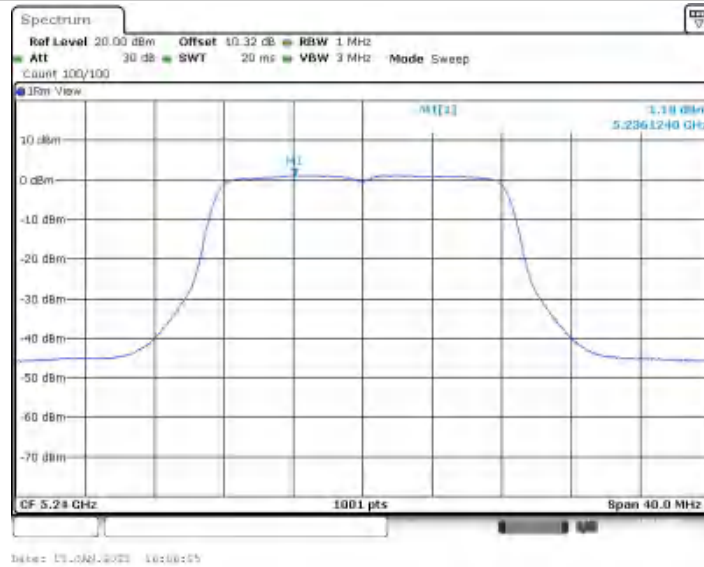
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11A-CDD_Ant2_5240



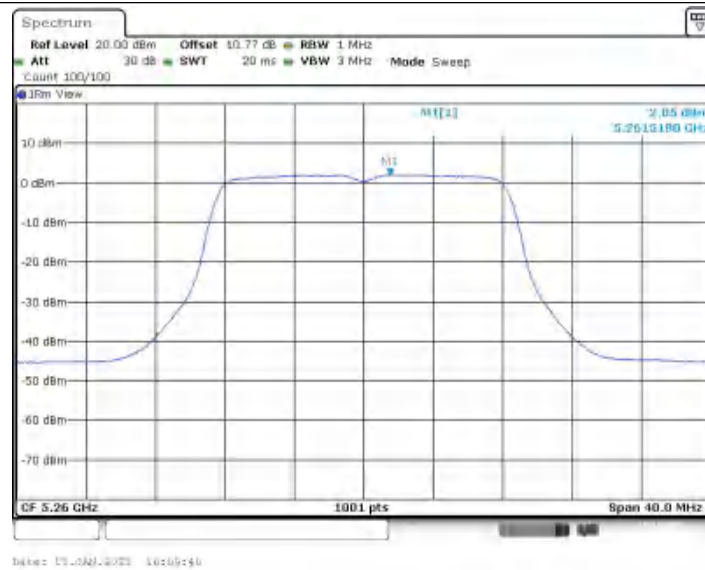
11A-CDD_Ant1_5260



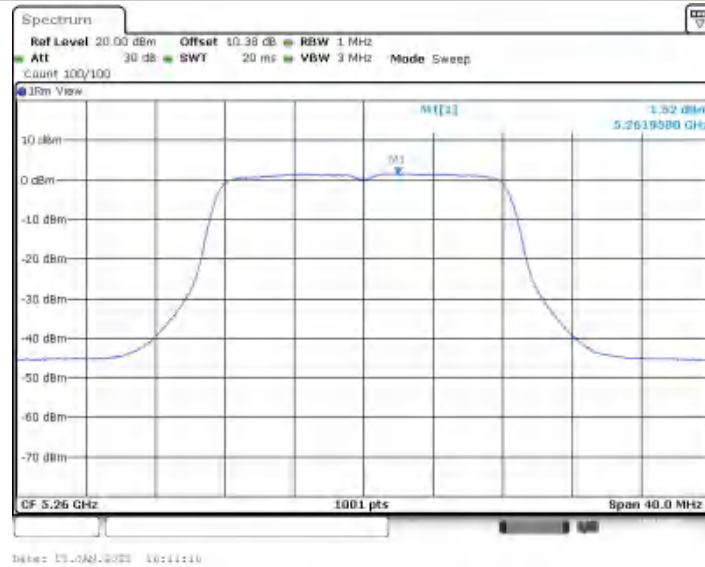
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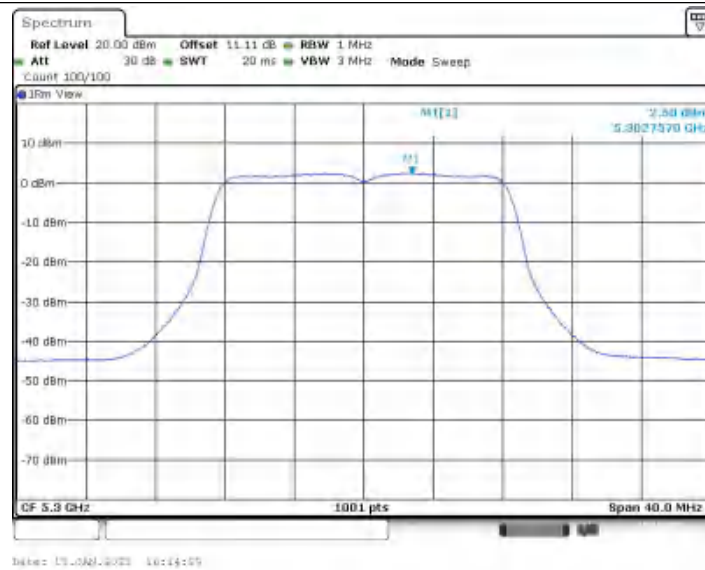
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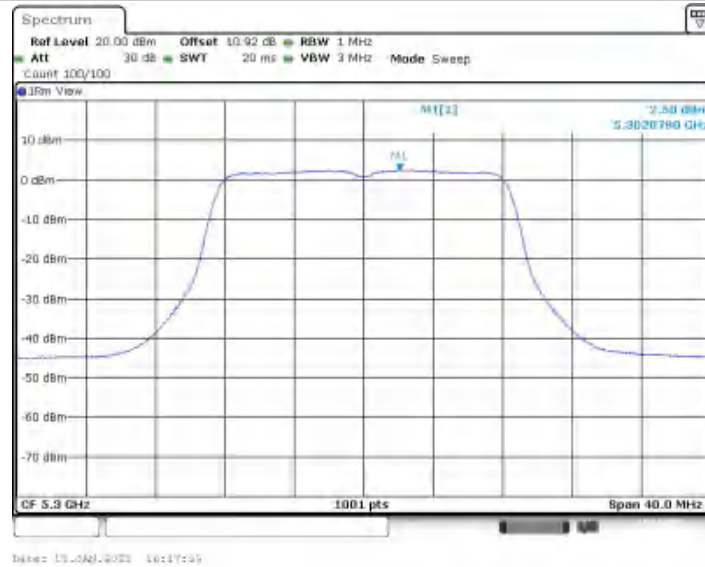
11A-CDD_Ant2_5260



11A-CDD_Ant1_5300



11A-CDD_Ant2_5300



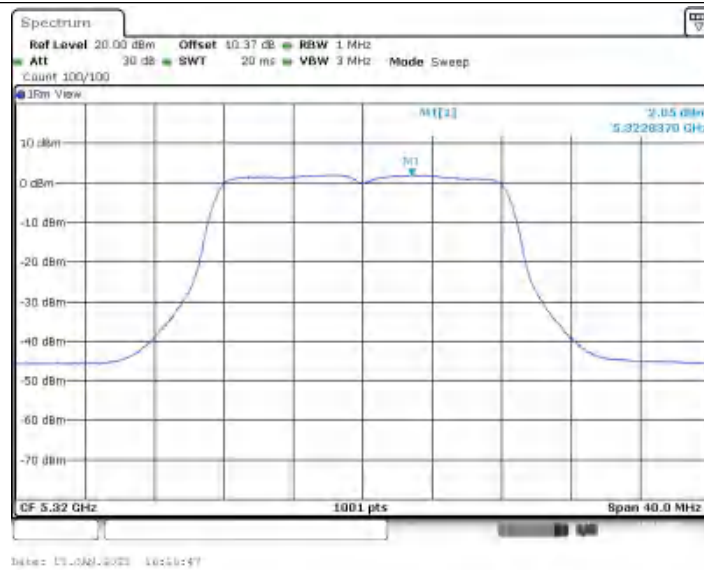
11A-CDD_Ant1_5320



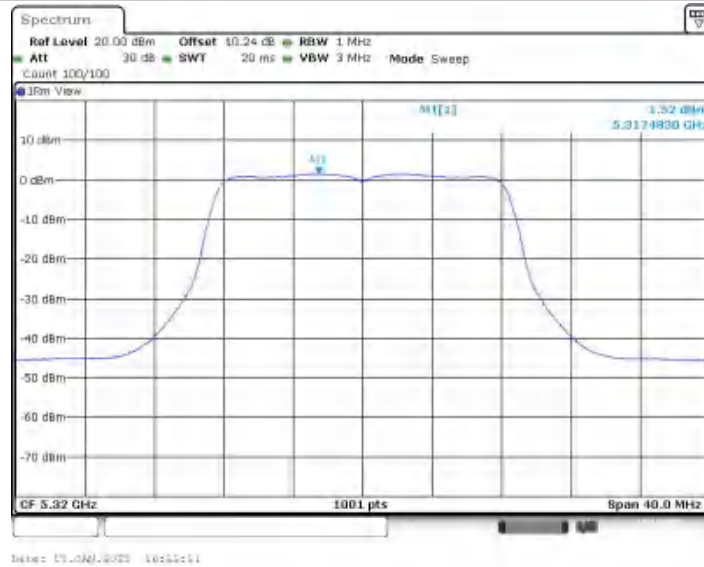
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11A-CDD_Ant2_5320



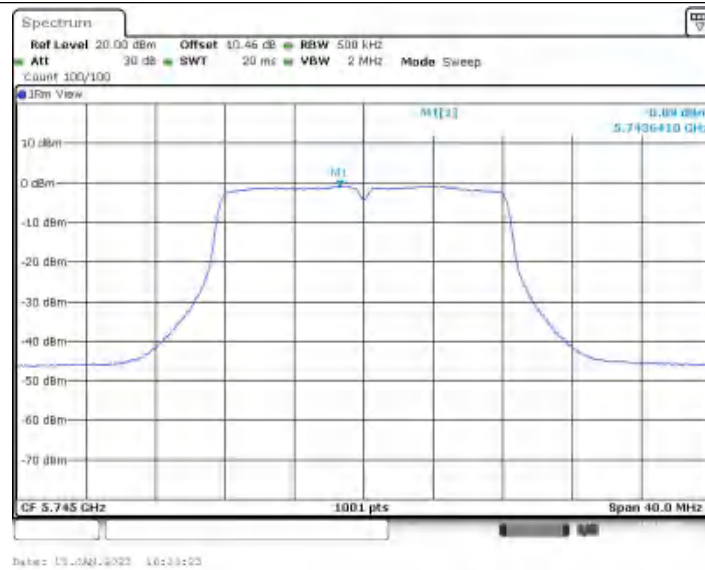
11A-CDD_Ant1_5745



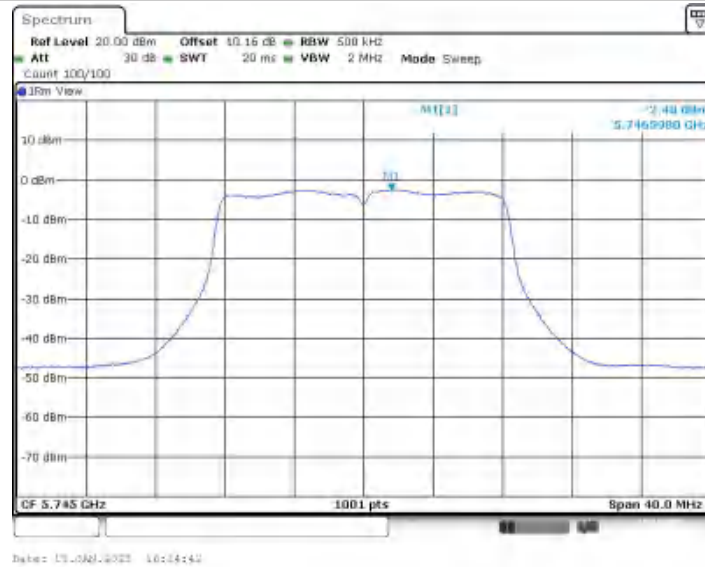
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11A-CDD_Ant2_5745



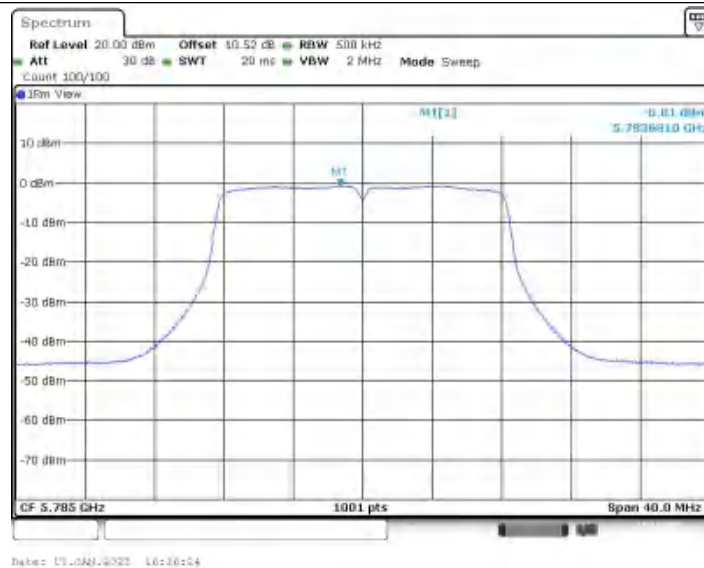
11A-CDD_Ant1_5785



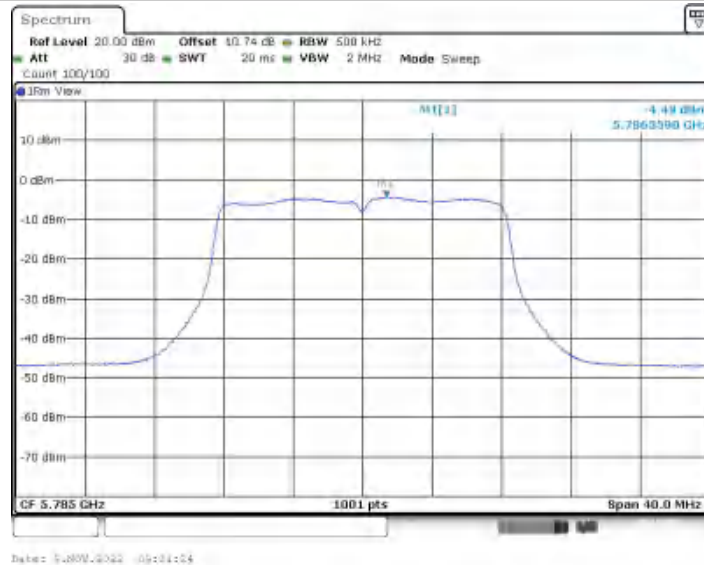
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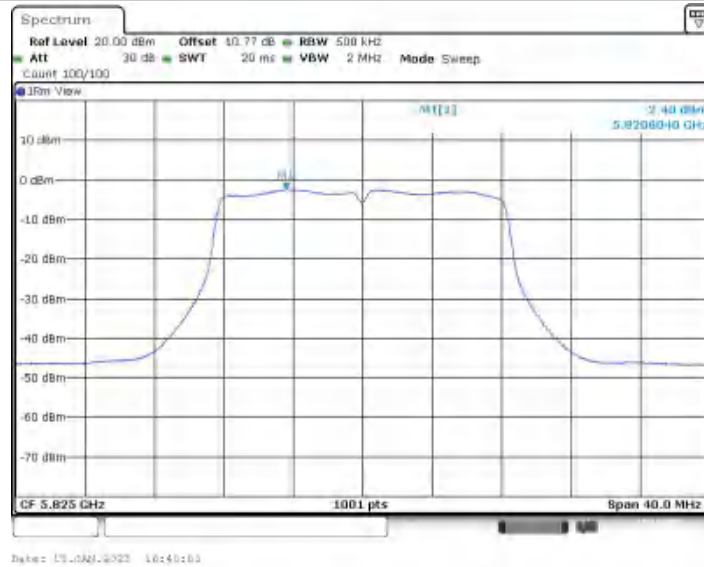
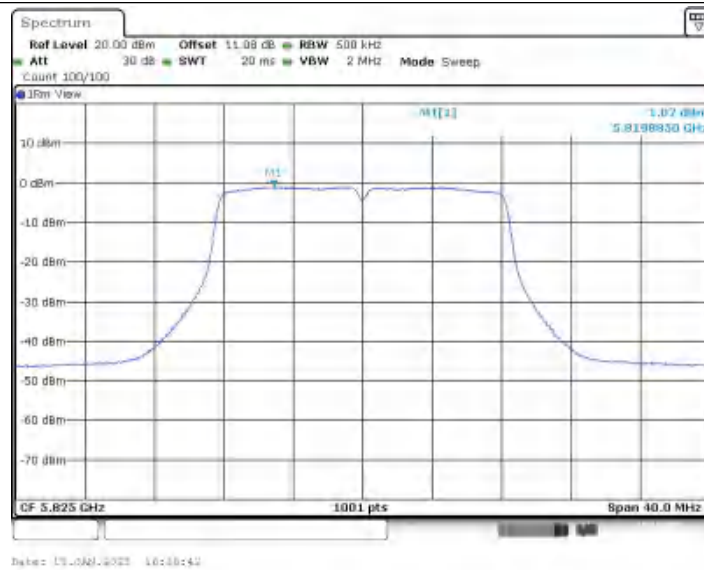
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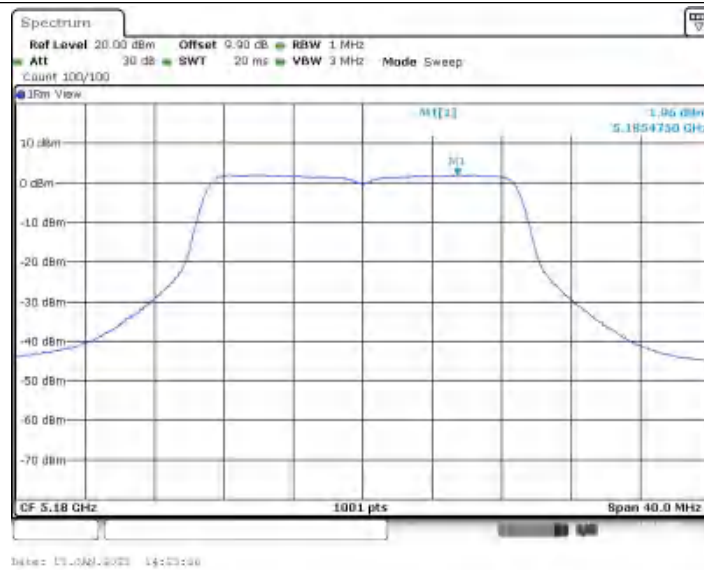


11A-CDD_Ant2_5785

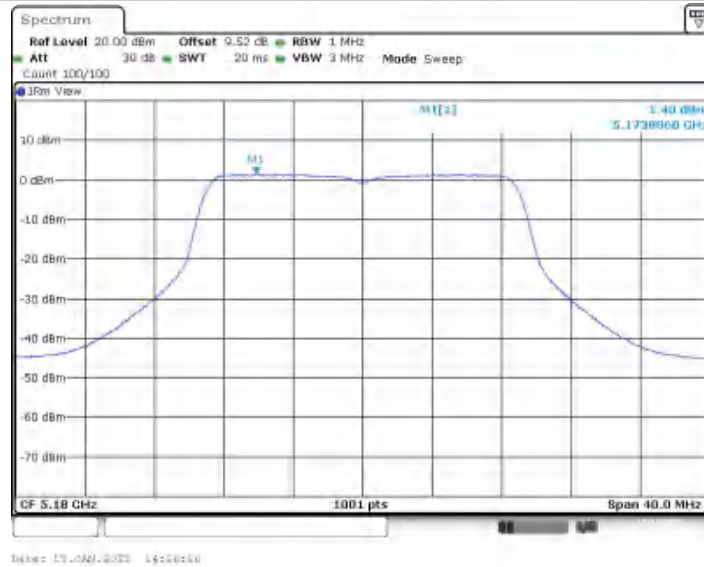


11A-CDD_Ant1_5825

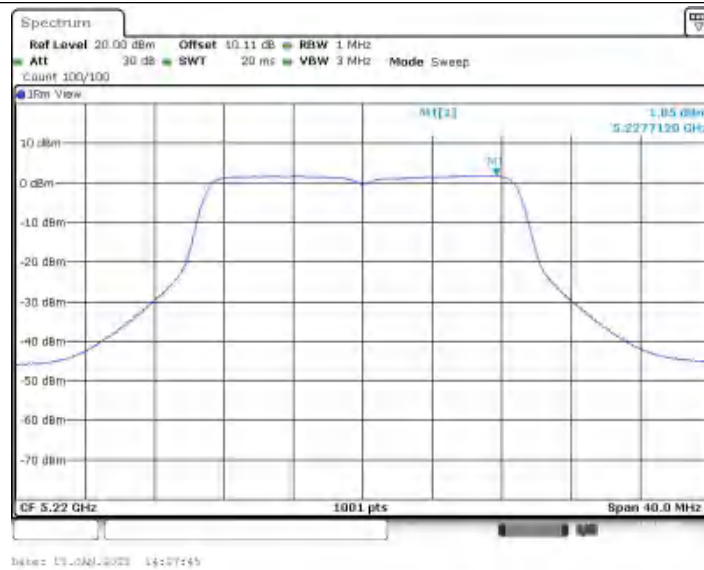




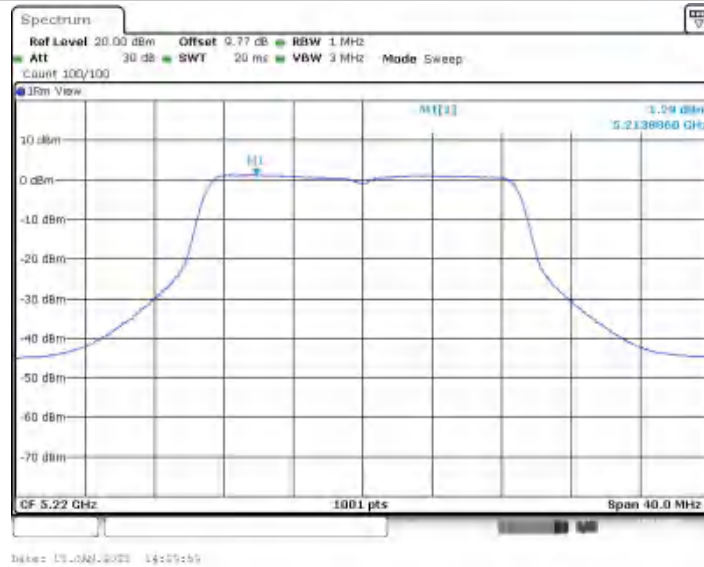
11N20MIMO_Ant2_5180



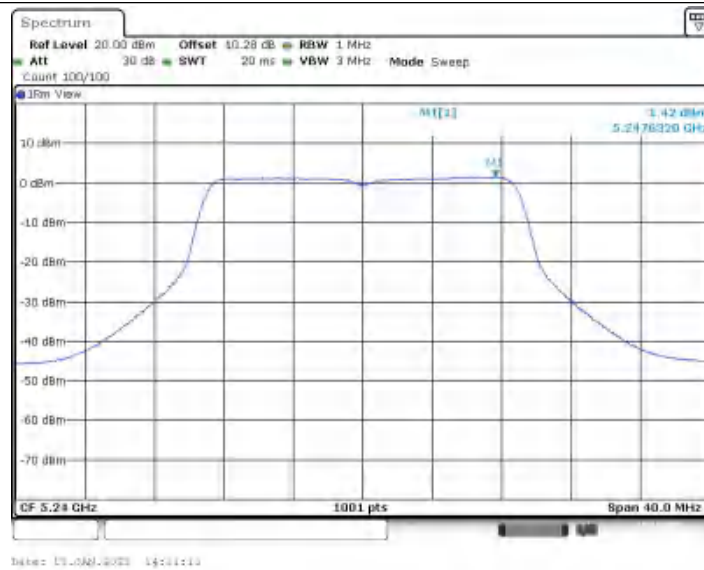
11N20MIMO_Ant1_5220



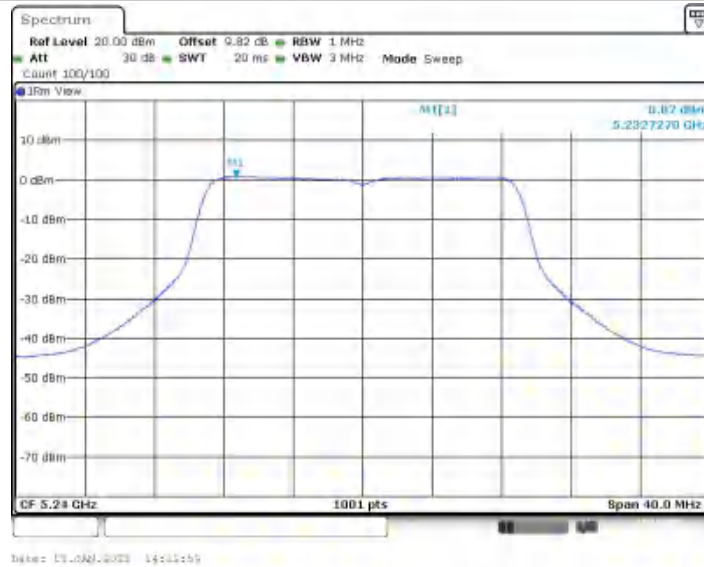
11N20MIMO_Ant2_5220



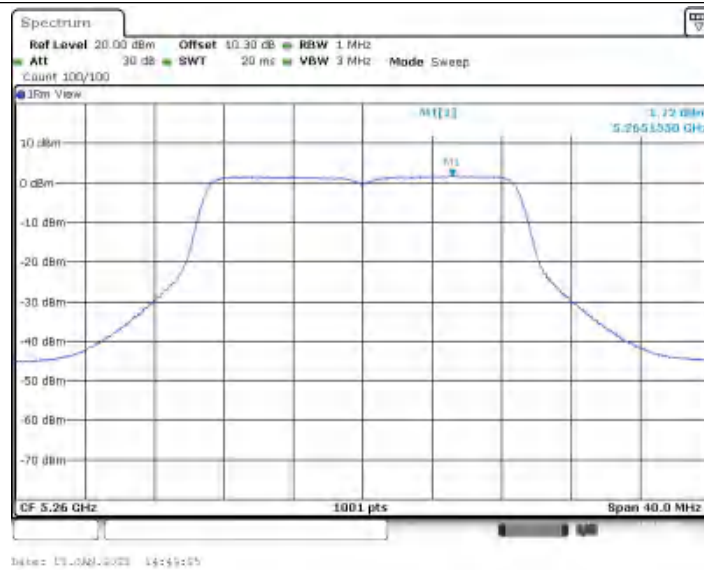
11N20MIMO_Ant1_5240



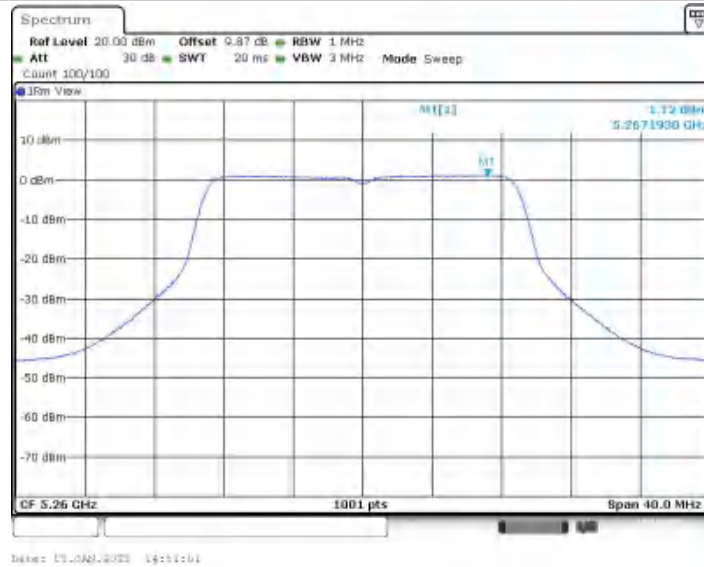
11N20MIMO_Ant2_5240



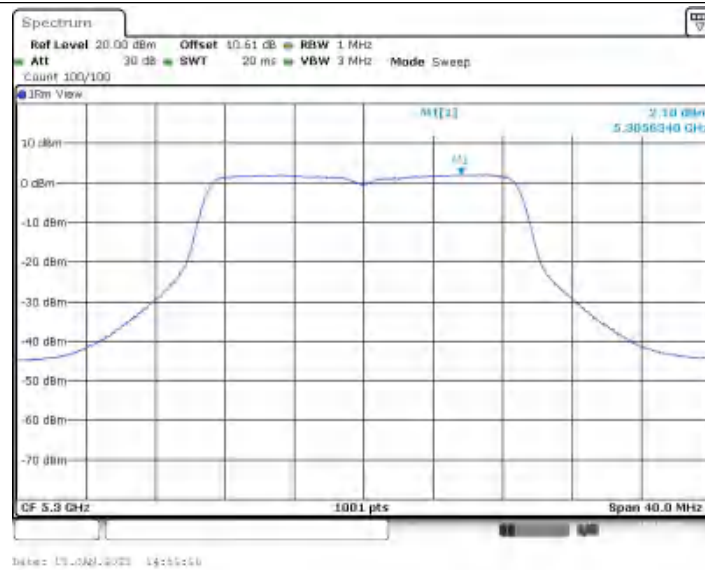
11N20MIMO_Ant1_5260



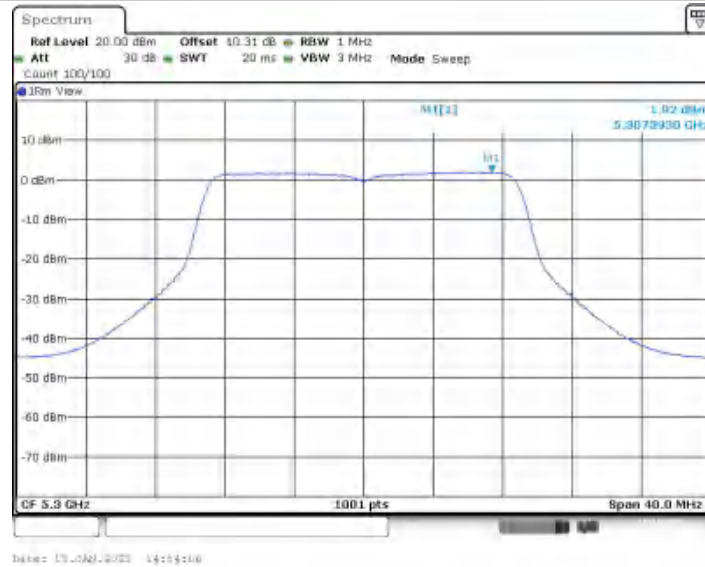
11N20MIMO_Ant2_5260



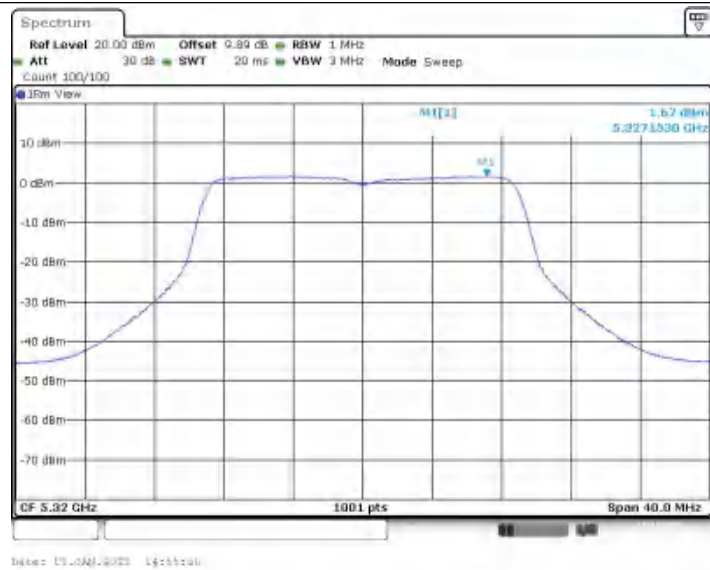
11N20MIMO_Ant1_5300



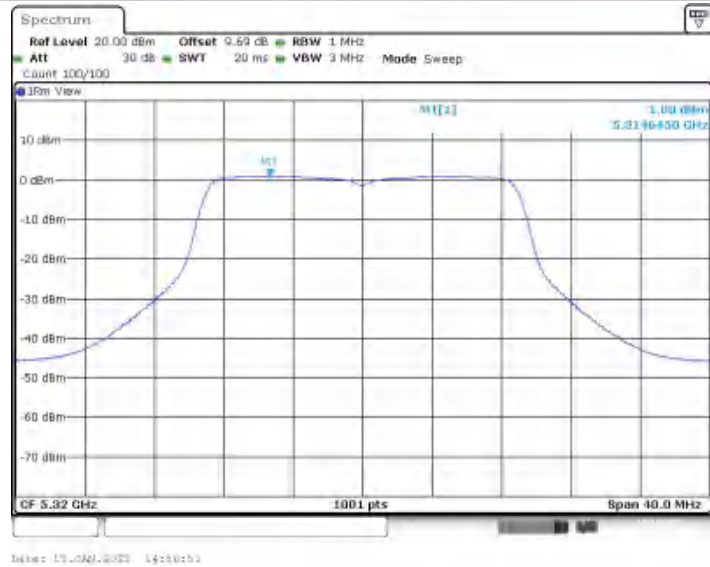
11N20MIMO_Ant2_5300



11N20MIMO_Ant1_5320



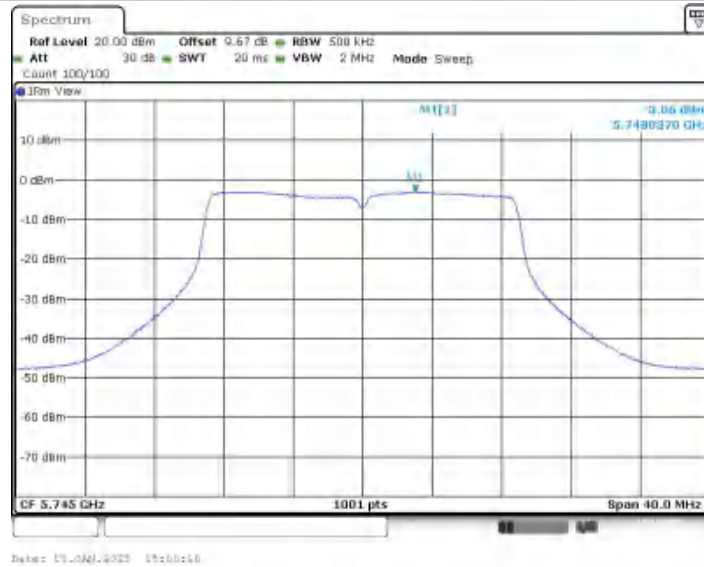
11N20MIMO_Ant2_5320



11N20MIMO_Ant1_5745



11N20MIMO_Ant2_5745



11N20MIMO_Ant1_5785



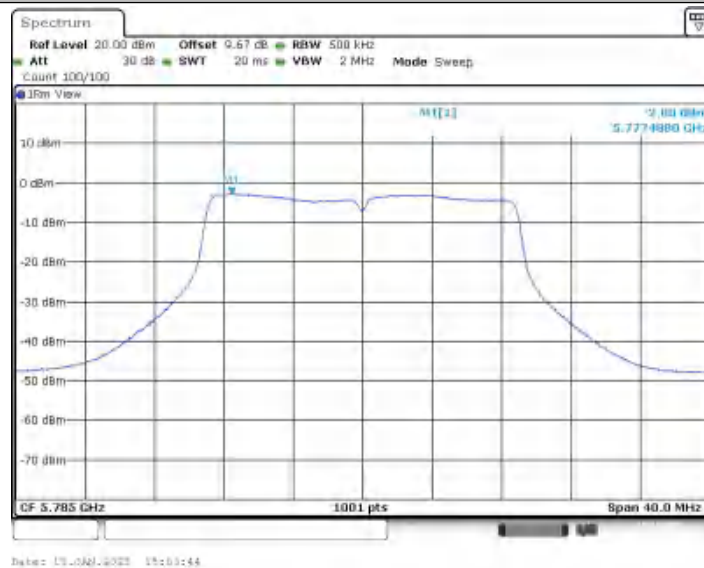
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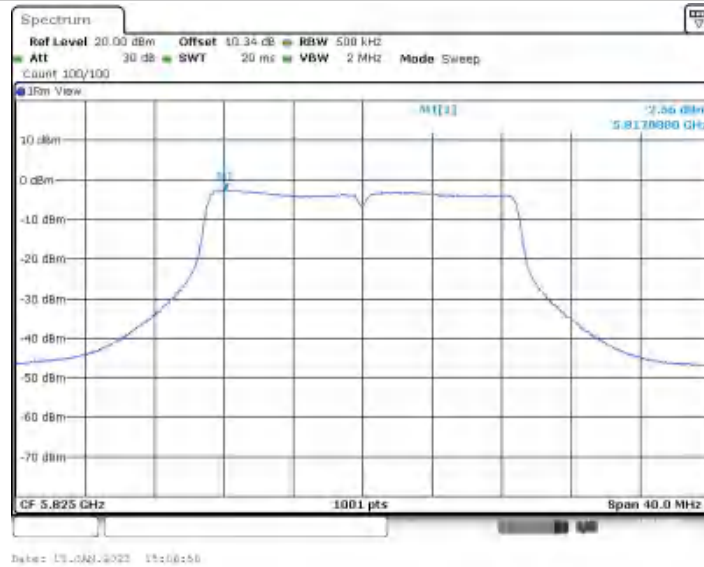
11N20MIMO_Ant2_5785



11N20MIMO_Ant1_5825



11N20MIMO_Ant2_5825



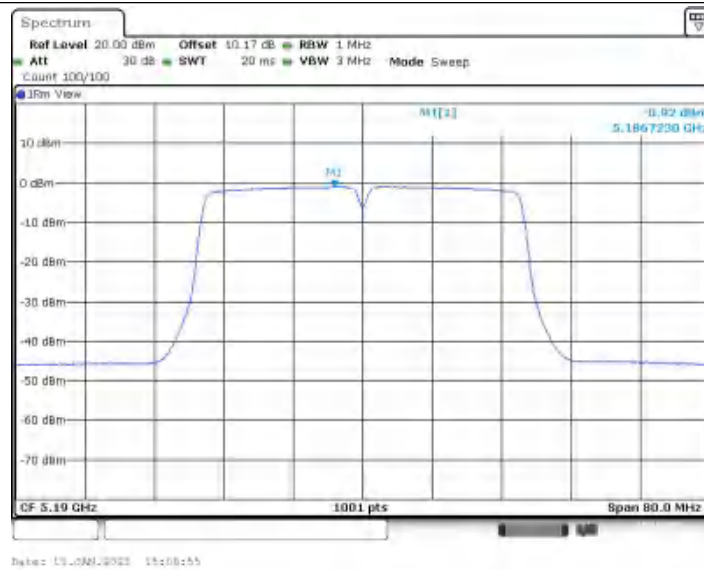
11N40MIMO_Ant1_5190



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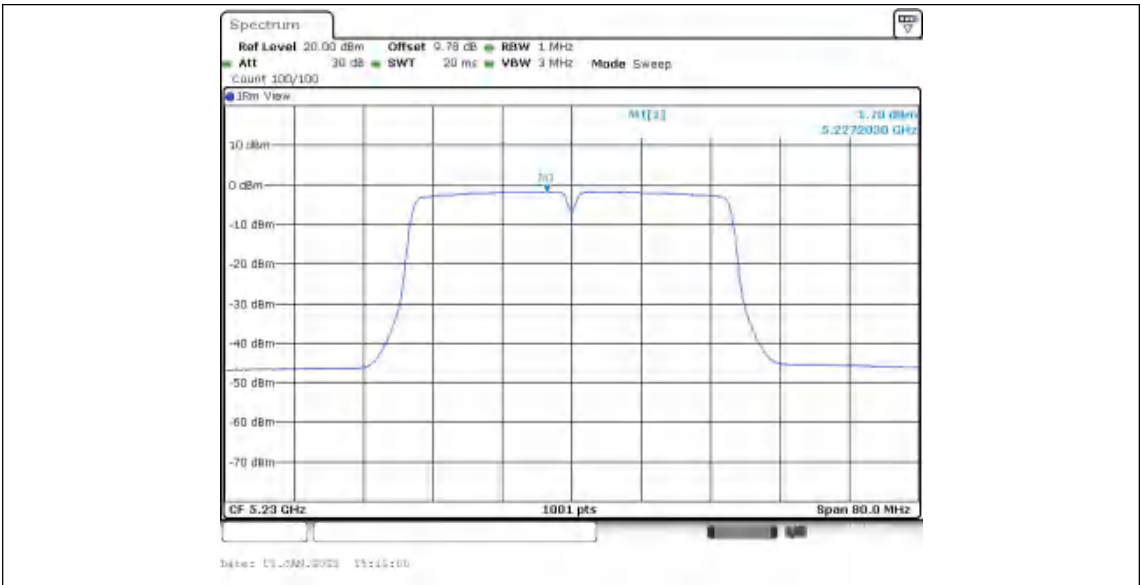
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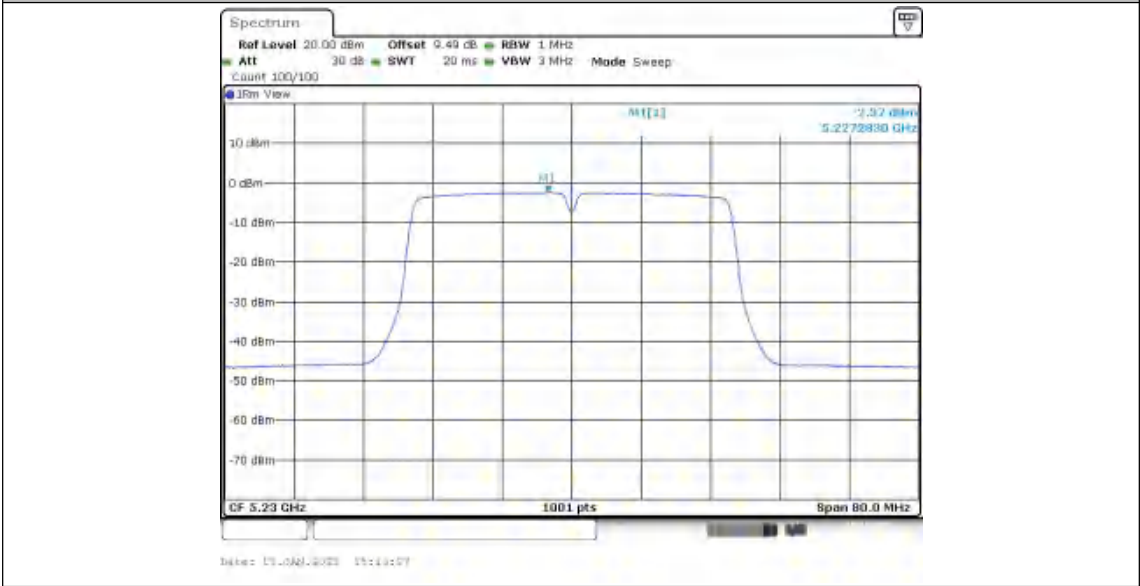
11N40MIMO_Ant2_5190



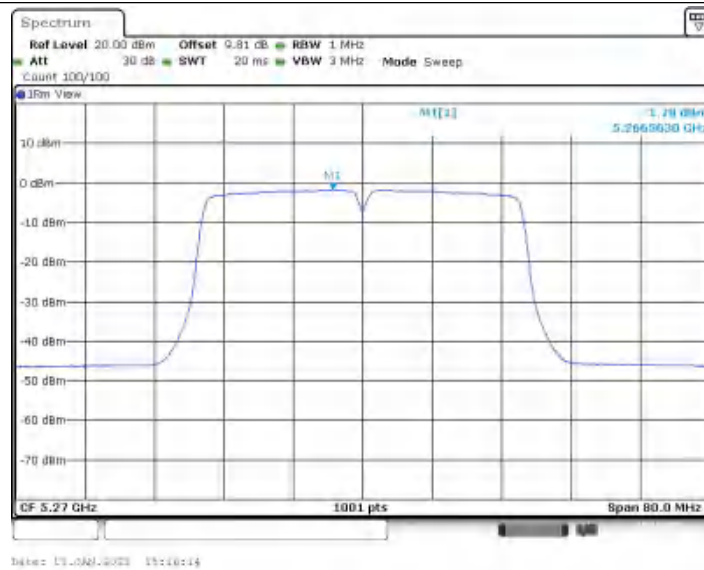
11N40MIMO_Ant1_5230



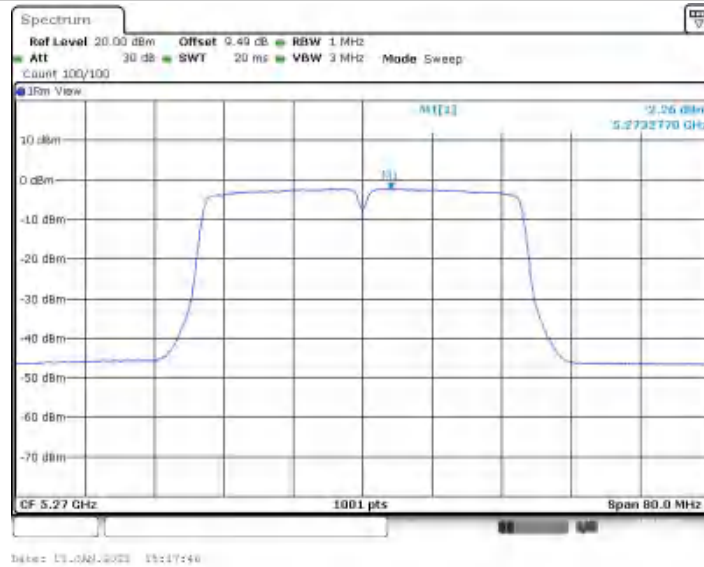
11N40MIMO_Ant2_5230



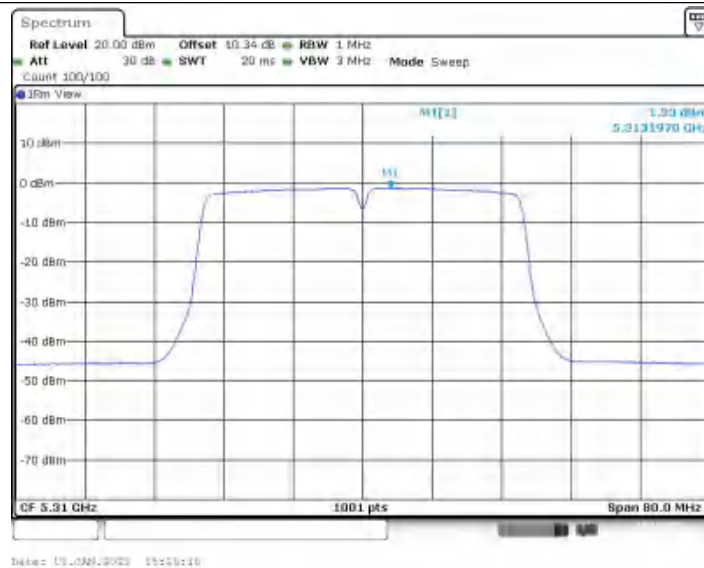
11N40MIMO_Ant1_5270



11N40MIMO_Ant2_5270



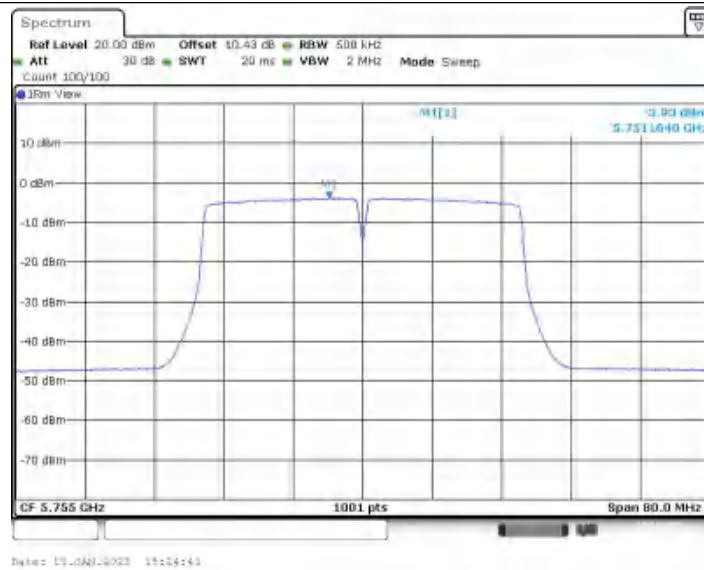
11N40MIMO_Ant1_5310



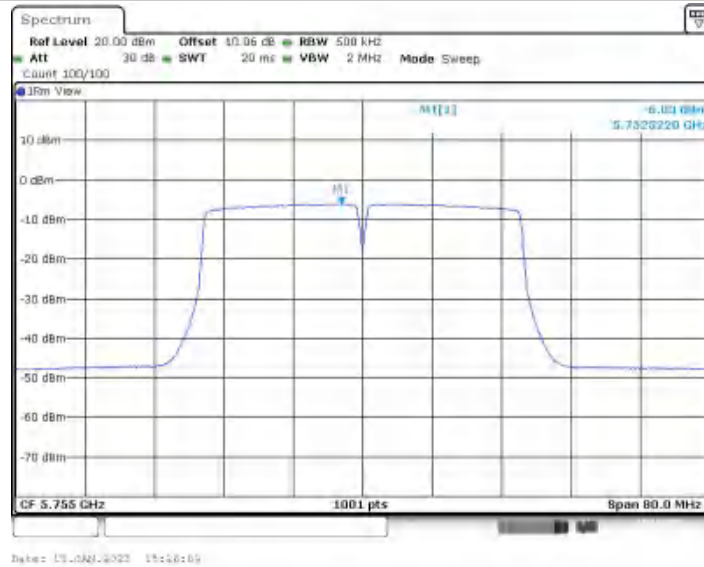
11N40MIMO_Ant2_5310



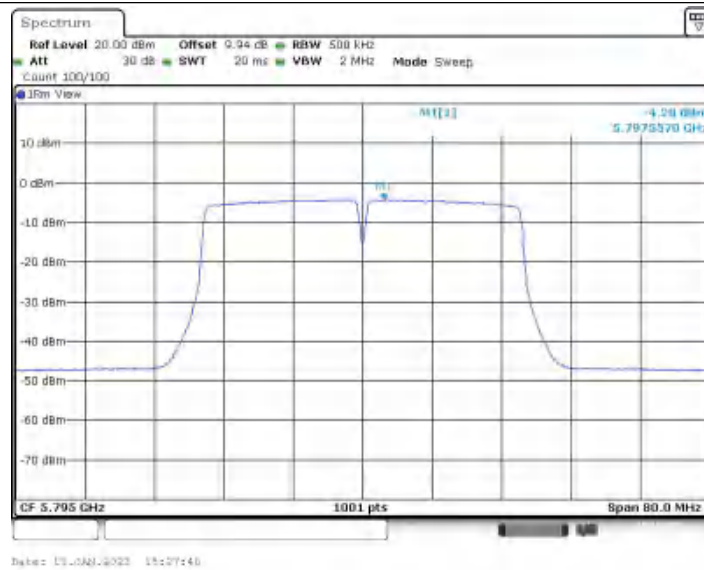
11N40MIMO_Ant1_5755



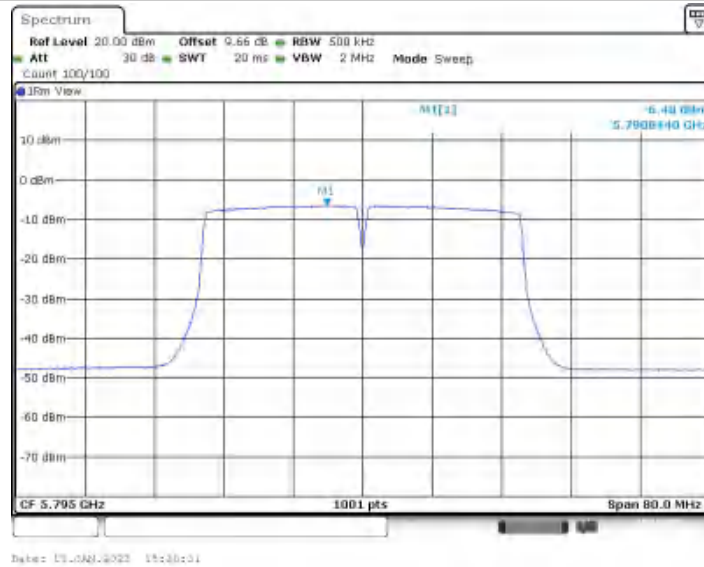
11N40MIMO_Ant2_5755



11N40MIMO_Ant1_5795



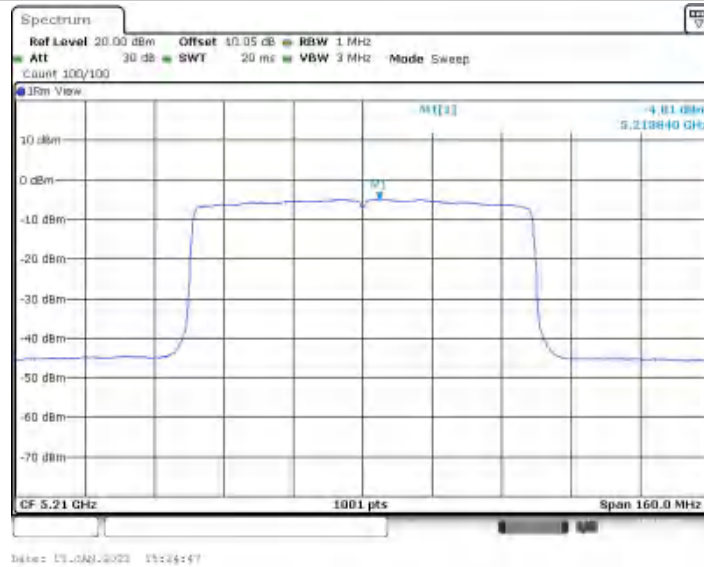
11N40MIMO_Ant2_5795



11AC80MIMO_Ant1_5210



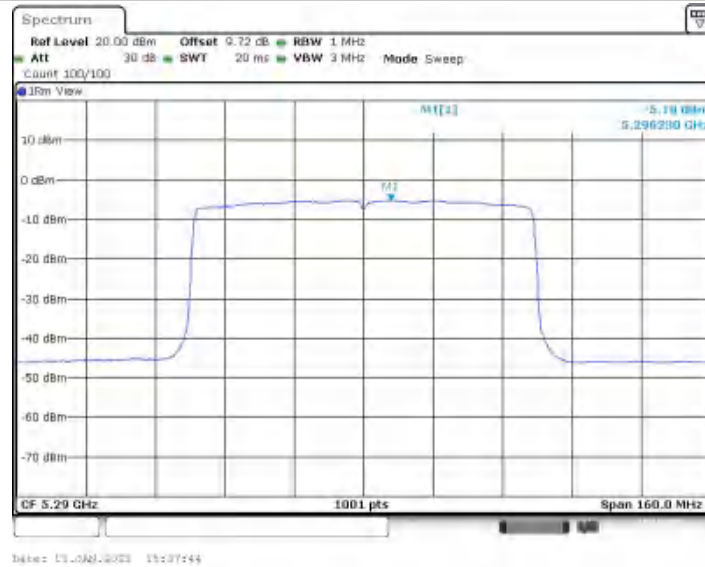
11AC80MIMO_Ant2_5210



11AC80MIMO_Ant1_5290



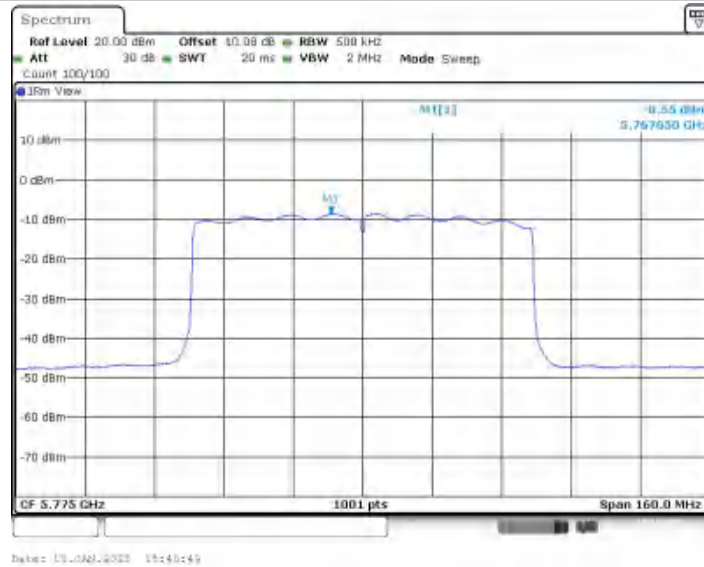
11AC80MIMO_Ant2_5290



11AC80MIMO_Ant1_5775



11AC80MIMO_Ant2_5775



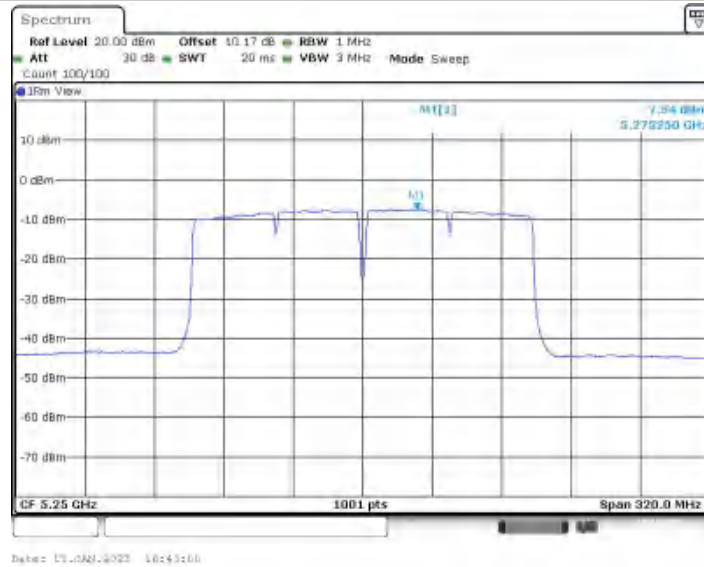
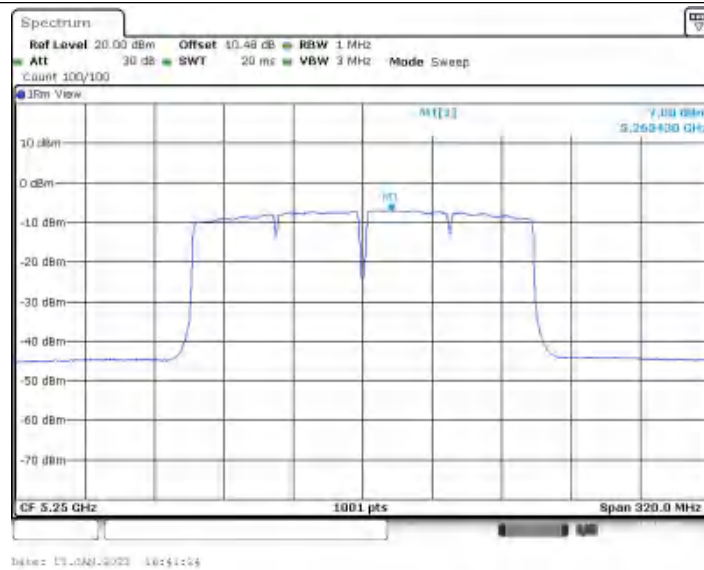
11AC160MIMO_Ant1_5250

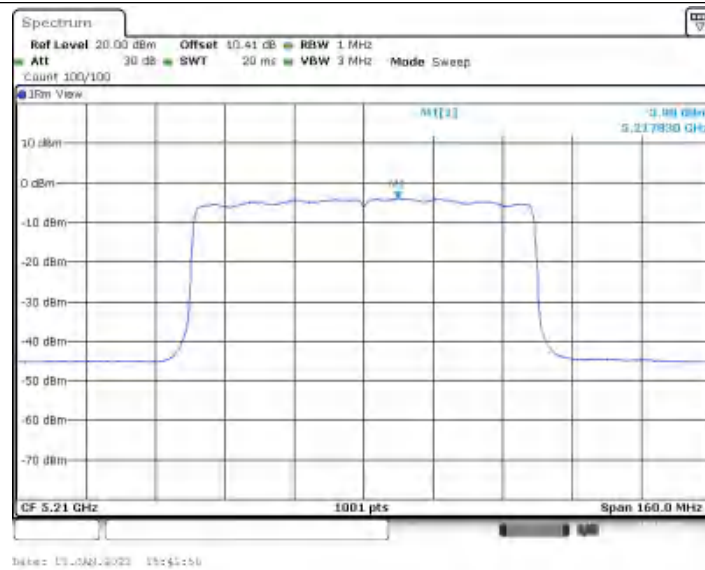


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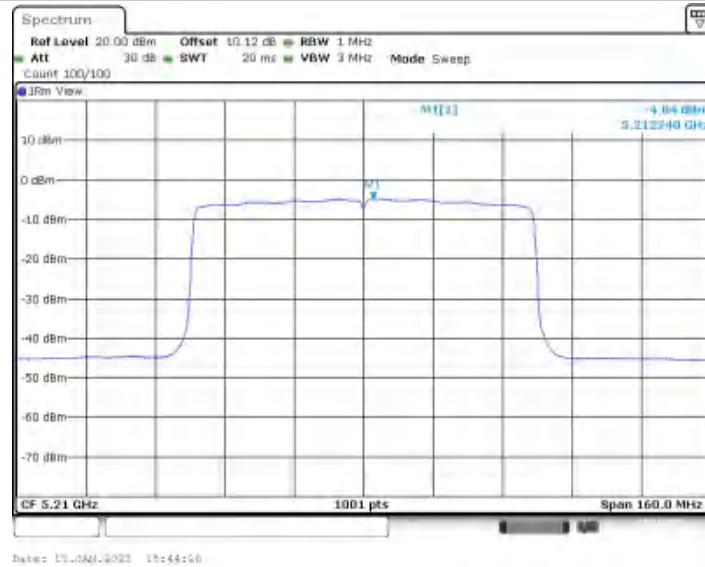
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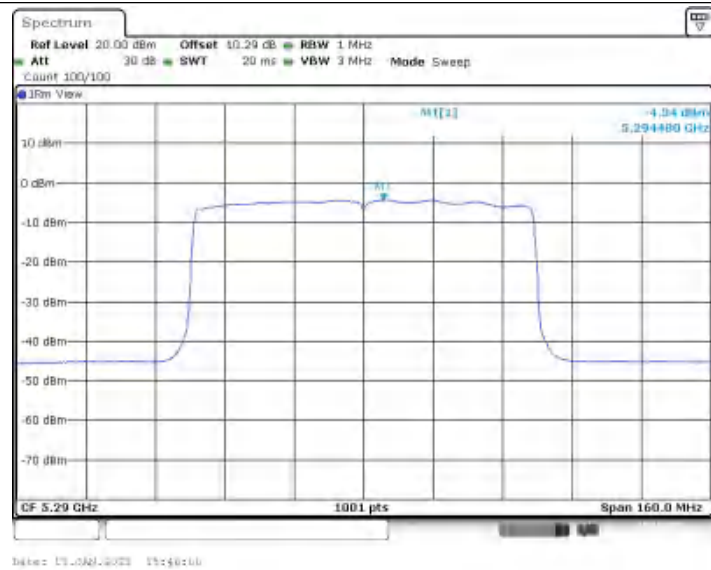




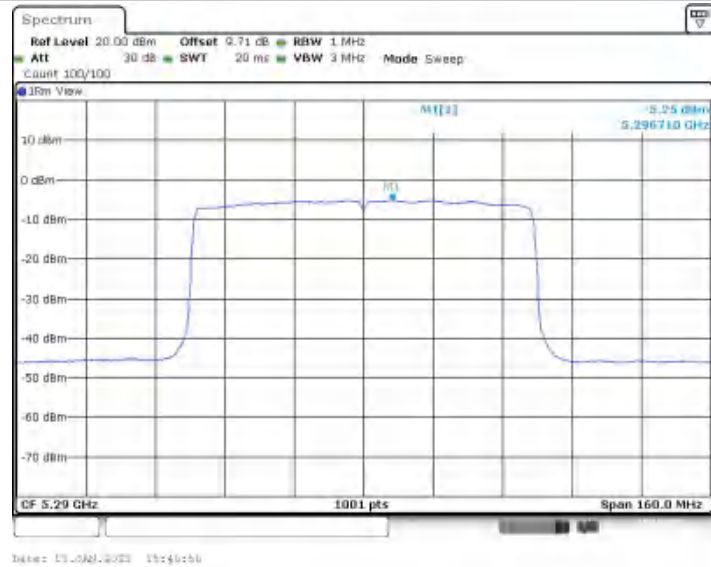
11AX80MIMO_Ant2_5210



11AX80MIMO_Ant1_5290



11AX80MIMO_Ant2_5290



11AX80MIMO_Ant1_5775



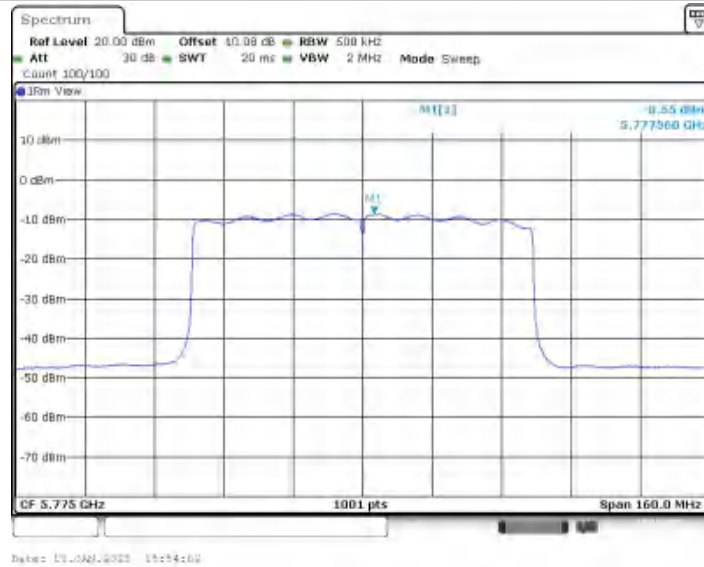
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11AX80MIMO_Ant2_5775



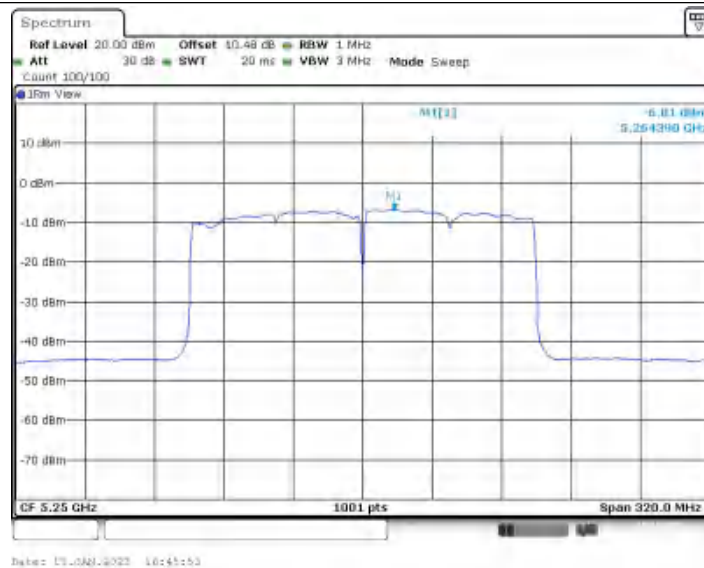
11AX160MIMO_Ant1_5250



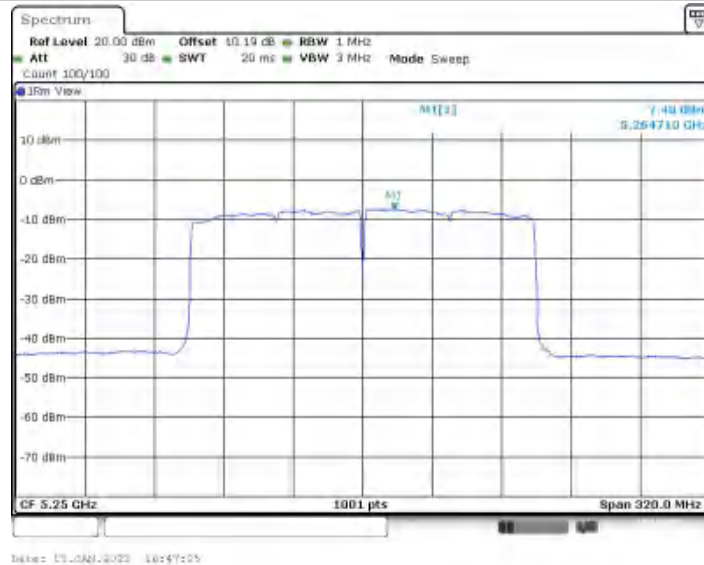
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11AX160MIMO_Ant2_5250





Appendix E: Frequency Stability

Test Result

Voltage								
TestMode	Antenna	Frequency[MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A-CDD	Ant1	5180	NV	NT	19747	3.812162	20	PASS
			LV	NT	15665	3.024131	20	PASS
			HV	NT	11820	2.281853	20	PASS
	Ant2	5180	NV	NT	19957	3.852703	20	PASS
			LV	NT	17551	3.388224	20	PASS
			HV	NT	13070	2.523166	20	PASS

Temperature								
TestMode	Antenna	Frequency[MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A-CDD	Ant1	5180	NV	-30	19326	3.730888	20	PASS
			NV	-20	14669	2.831853	20	PASS
			NV	-10	12890	2.488417	20	PASS
			NV	0	16237	3.134556	20	PASS
			NV	10	10296	1.987645	20	PASS
			NV	20	19916	3.844788	20	PASS
			NV	30	16598	3.204247	20	PASS
			NV	40	10921	2.108301	20	PASS
			NV	50	19819	3.826062	20	PASS
	Ant2	5180	NV	-30	17052	3.291892	20	PASS
			NV	-20	18471	3.565830	20	PASS
			NV	-10	13445	2.595560	20	PASS
			NV	0	15482	2.988803	20	PASS
			NV	10	15276	2.949035	20	PASS
			NV	20	16643	3.212934	20	PASS
			NV	30	16775	3.238417	20	PASS
			NV	40	15540	3.000000	20	PASS
			NV	50	14575	2.813707	20	PASS