

RF Test Data for 5G Wi-Fi (Conducted Measurements)

General Description of EUT	
EUT Name:	Portable Gaming Computer(Tablet computer)
Model:	AYANEO Pocket S2
Sample ID:	HC-C-202412-0244-01-03-2#
Test Standard:	FCC Part 15.407
Environmental Conditions	
Ambient Temperature:	25℃
Ambient Humidity:	45%RH
Test Power Supply:	DC 7.74V
Test Engineer:	Rick. chen
Note: For a more detailed features description, please refer to the report TBR-C-202412-0244-93	

Contents

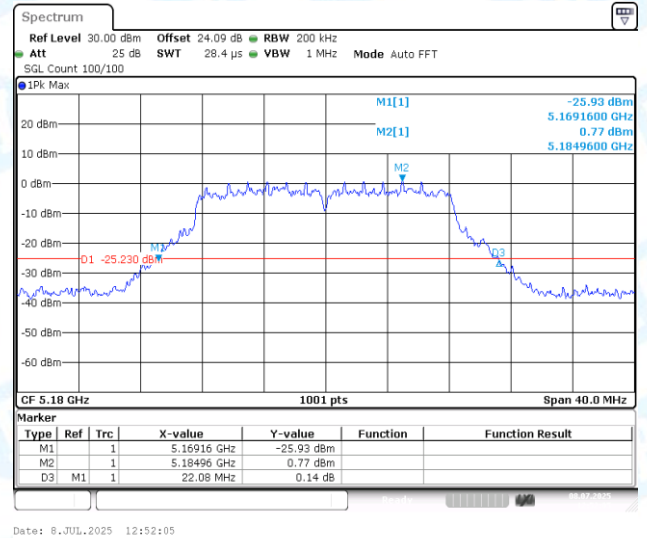
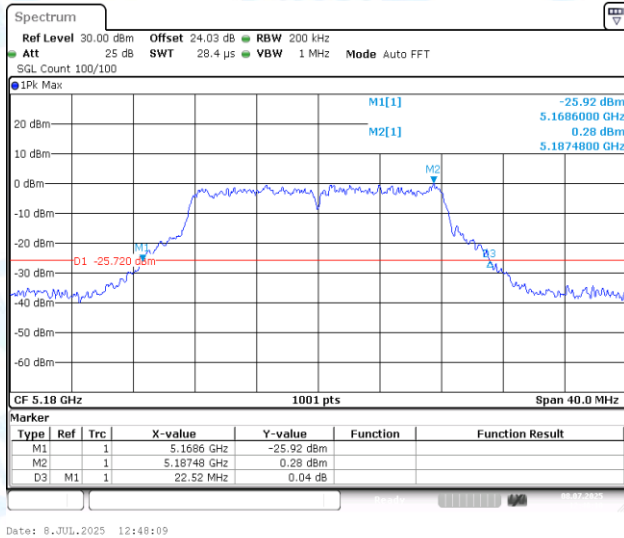
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1: Emission Bandwidth

1.1 Test Result

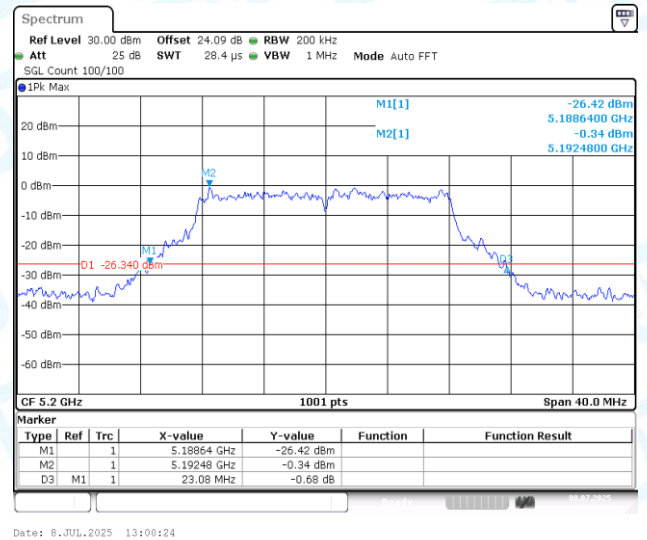
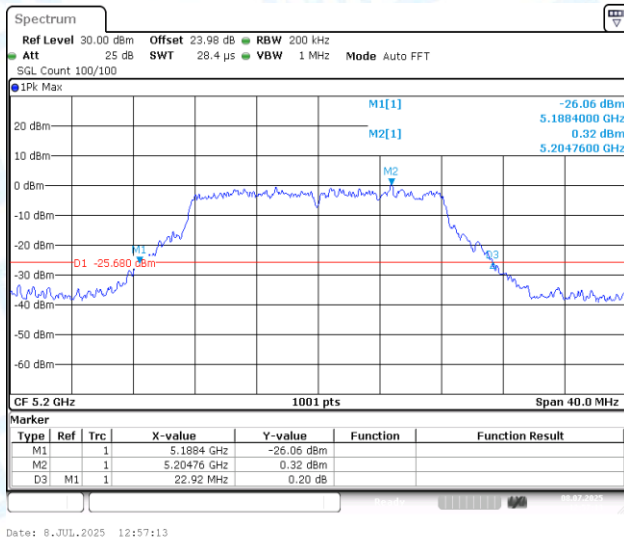
TestMode	Antenna	Frequency[MHz]	26dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5180	22.52	5168.60	5191.12	---	---
11A-CDD	Ant2	5180	22.08	5169.16	5191.24	---	---
11A-CDD	Ant1	5200	22.92	5188.40	5211.32	---	---
11A-CDD	Ant2	5200	23.08	5188.64	5211.72	---	---
11A-CDD	Ant1	5240	23.32	5228.80	5252.12	---	---
11A-CDD	Ant2	5240	22.84	5228.28	5251.12	---	---
11N20MIMO	Ant1	5180	22.72	5168.76	5191.48	---	---
11N20MIMO	Ant2	5180	22.56	5168.80	5191.36	---	---
11N20MIMO	Ant1	5200	23.40	5188.20	5211.60	---	---
11N20MIMO	Ant2	5200	23.76	5188.20	5211.96	---	---
11N20MIMO	Ant1	5240	23.36	5228.16	5251.52	---	---
11N20MIMO	Ant2	5240	22.72	5228.48	5251.20	---	---
11N40MIMO	Ant1	5190	45.04	5168.00	5213.04	---	---
11N40MIMO	Ant2	5190	44.64	5167.28	5211.92	---	---
11N40MIMO	Ant1	5230	45.36	5207.04	5252.40	---	---
11N40MIMO	Ant2	5230	43.68	5208.24	5251.92	---	---
11AC20MIMO	Ant1	5180	23.36	5168.28	5191.64	---	---
11AC20MIMO	Ant2	5180	23.24	5168.40	5191.64	---	---
11AC20MIMO	Ant1	5200	23.00	5188.60	5211.60	---	---
11AC20MIMO	Ant2	5200	23.52	5188.08	5211.60	---	---
11AC20MIMO	Ant1	5240	23.60	5228.20	5251.80	---	---
11AC20MIMO	Ant2	5240	24.00	5227.92	5251.92	---	---
11AC40MIMO	Ant1	5190	45.68	5167.20	5212.88	---	---
11AC40MIMO	Ant2	5190	45.04	5166.56	5211.60	---	---
11AC40MIMO	Ant1	5230	43.84	5208.48	5252.32	---	---
11AC40MIMO	Ant2	5230	43.60	5207.44	5251.04	---	---
11AC80MIMO	Ant1	5210	88.48	5165.04	5253.52	---	---
11AC80MIMO	Ant2	5210	90.56	5164.56	5255.12	---	---
11AX20MIMO	Ant1	5180	23.32	5168.52	5191.84	---	---
11AX20MIMO	Ant2	5180	22.60	5168.48	5191.08	---	---
11AX20MIMO	Ant1	5200	23.00	5188.60	5211.60	---	---
11AX20MIMO	Ant2	5200	23.24	5188.48	5211.72	---	---
11AX20MIMO	Ant1	5240	22.04	5229.16	5251.20	---	---
11AX20MIMO	Ant2	5240	22.96	5228.80	5251.76	---	---
11AX40MIMO	Ant1	5190	42.72	5168.80	5211.52	---	---
11AX40MIMO	Ant2	5190	44.48	5166.80	5211.28	---	---
11AX40MIMO	Ant1	5230	42.80	5208.08	5250.88	---	---
11AX40MIMO	Ant2	5230	41.52	5208.80	5250.32	---	---
11AX80MIMO	Ant1	5210	84.16	5167.76	5251.92	---	---
11AX80MIMO	Ant2	5210	85.76	5168.24	5254.00	---	---

1.2 Test Graphs



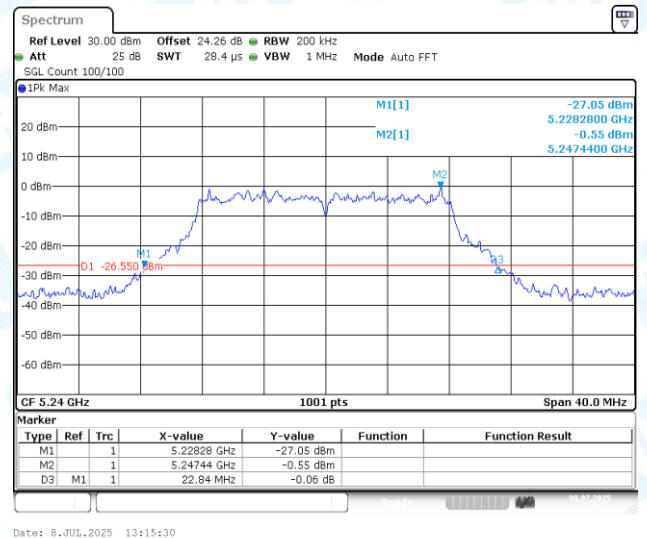
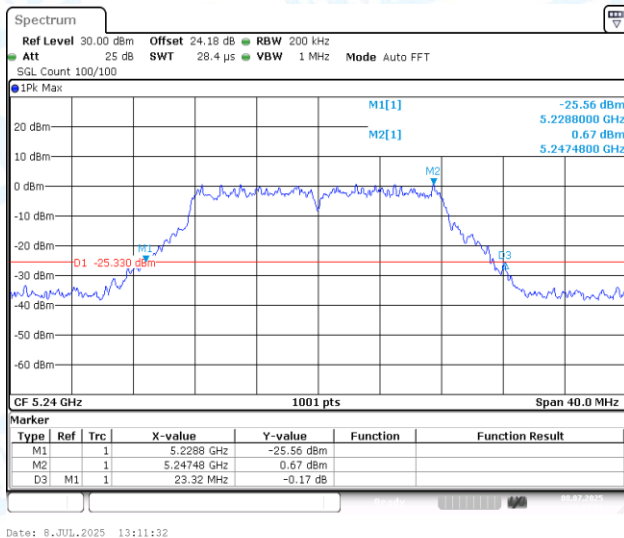
11A-CDD-Ant1-5180

11A-CDD-Ant2-5180



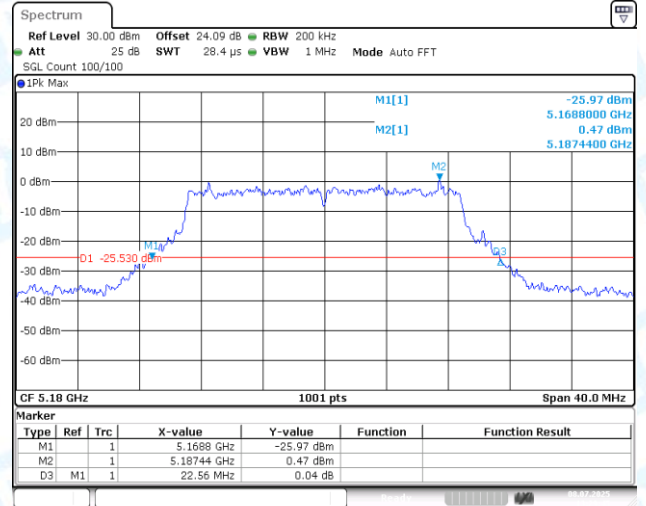
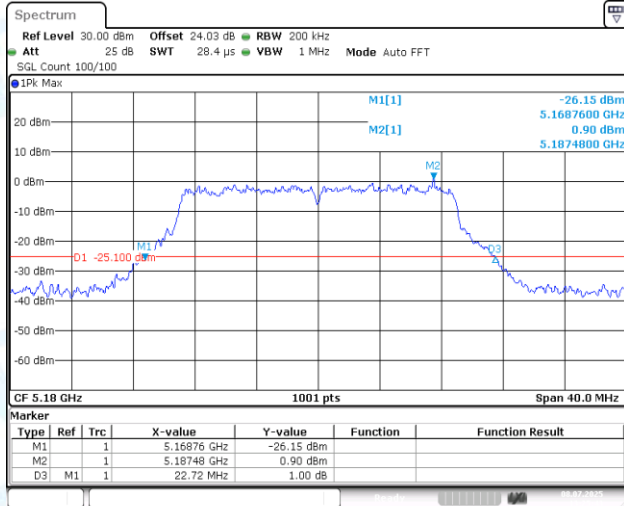
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11A-CDD-Ant2-5200



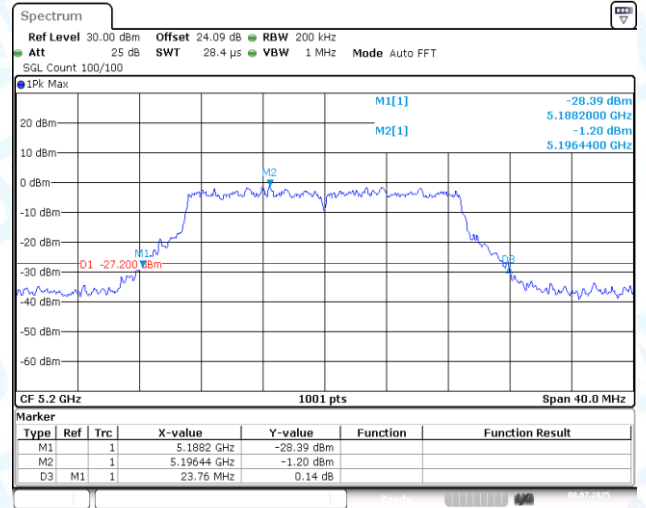
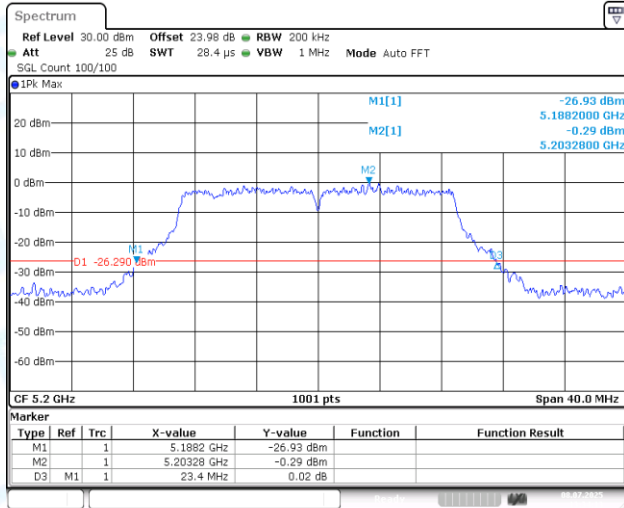
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11A-CDD-Ant2-5240



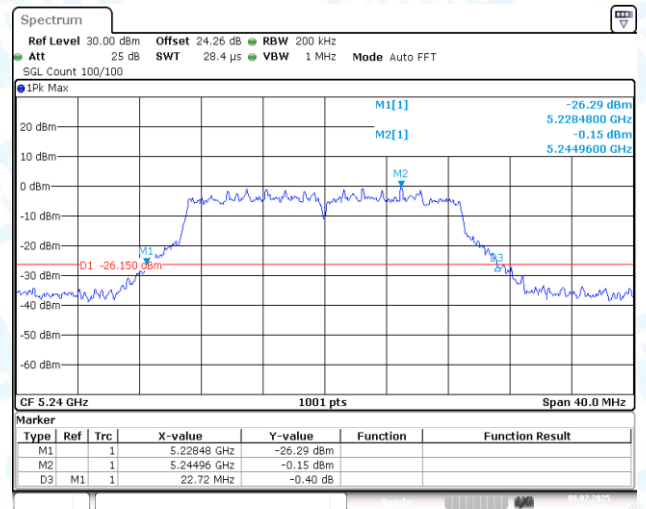
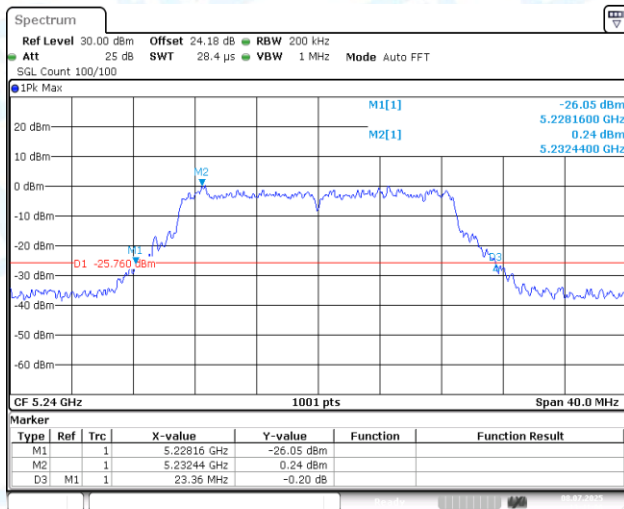
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11N20MIMO-Ant2-5180



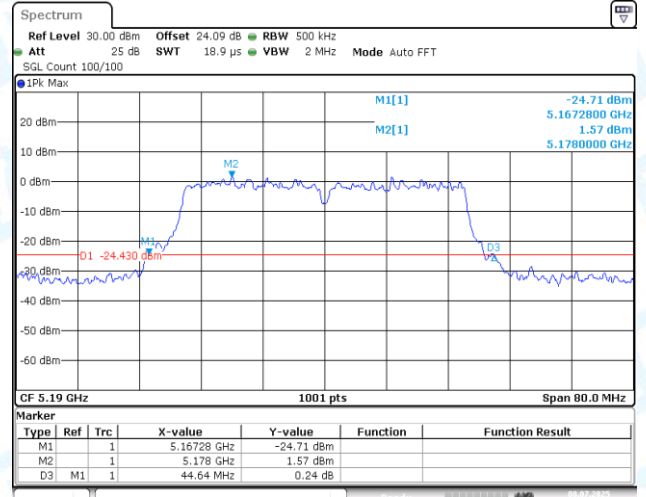
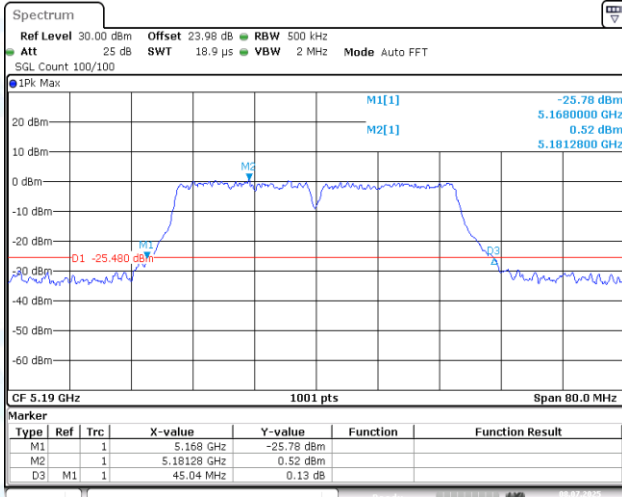
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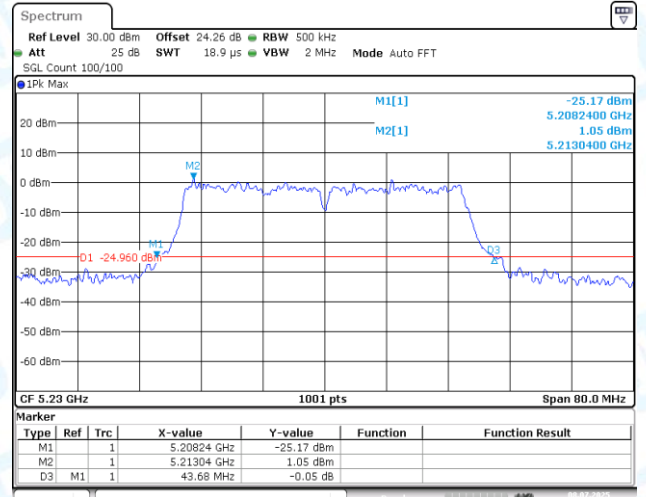
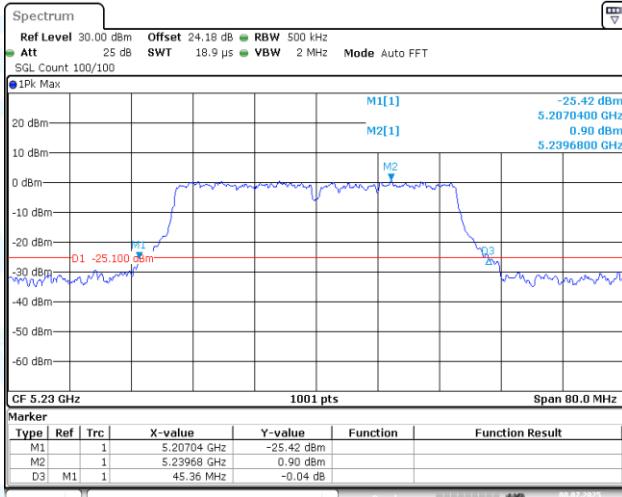
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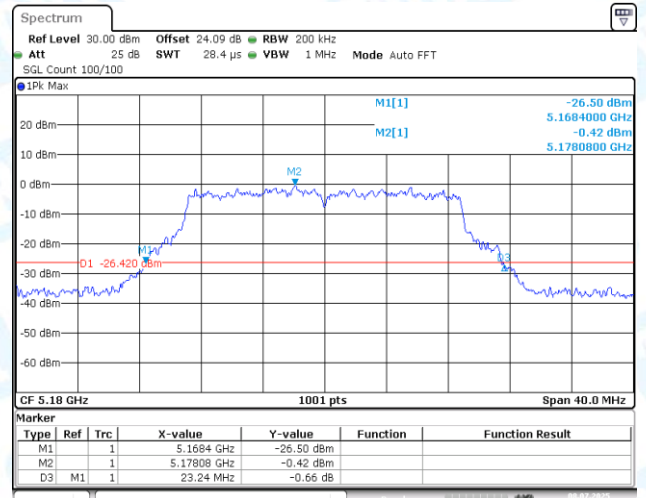
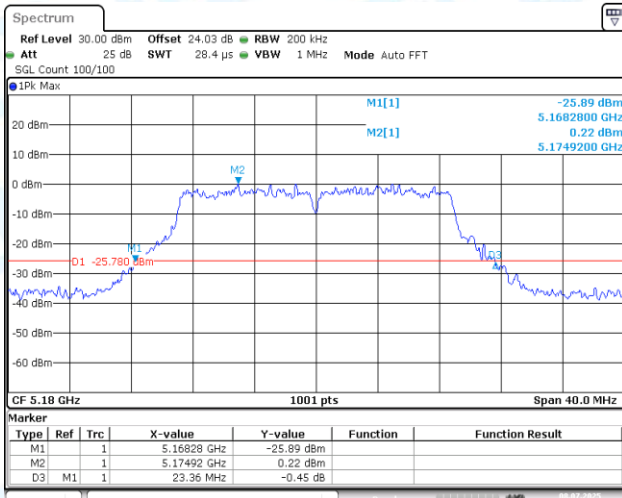
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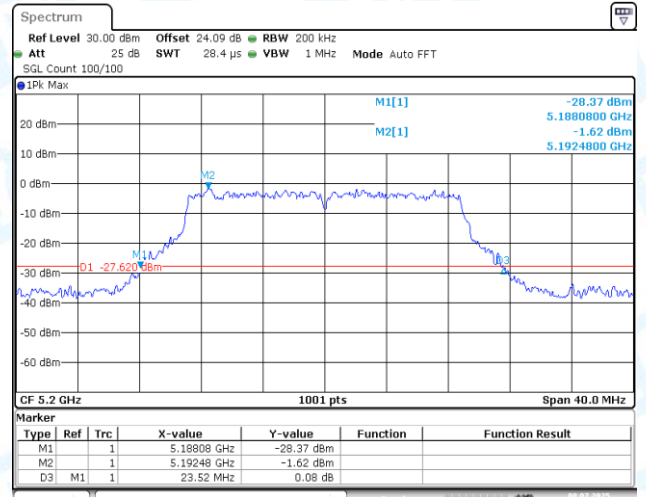
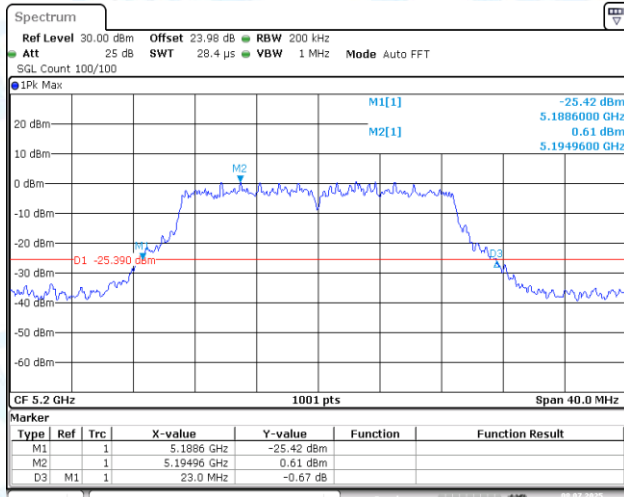
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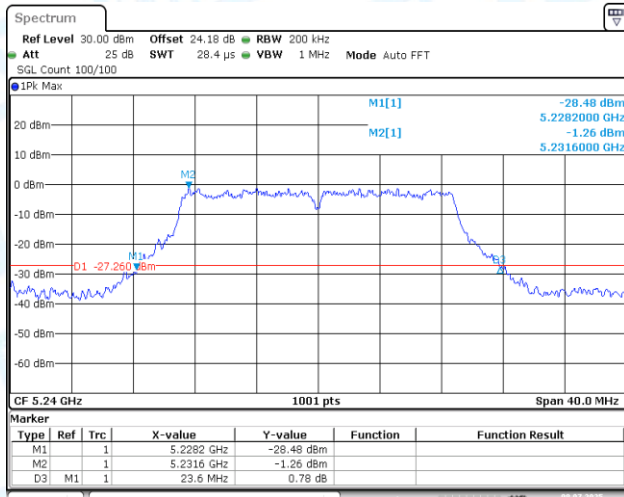


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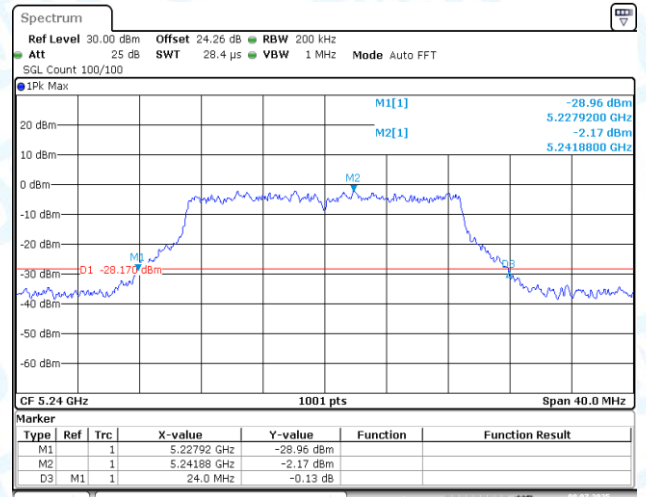
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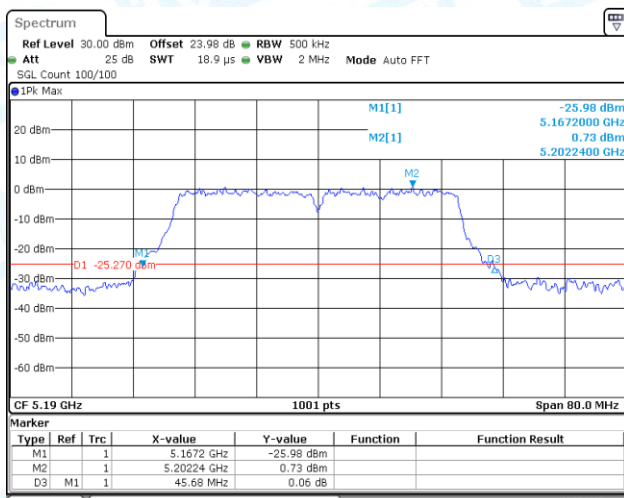
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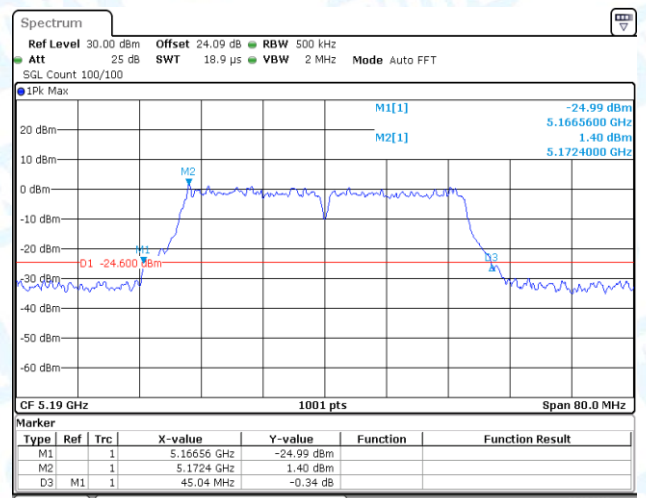
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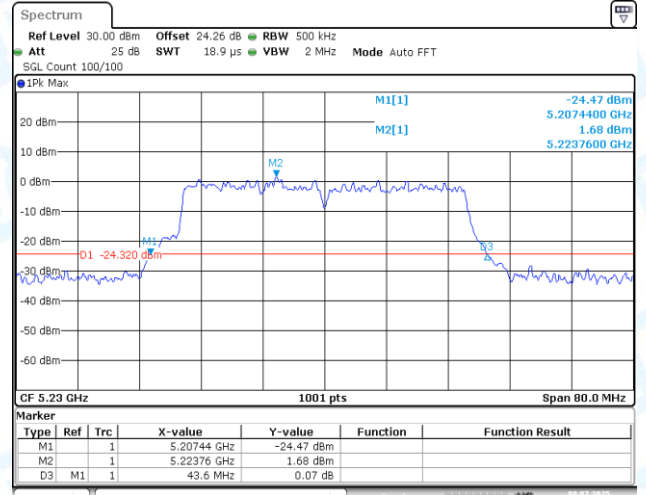
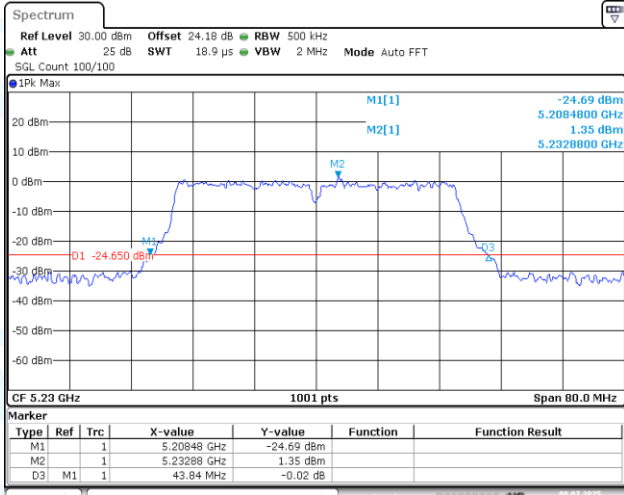


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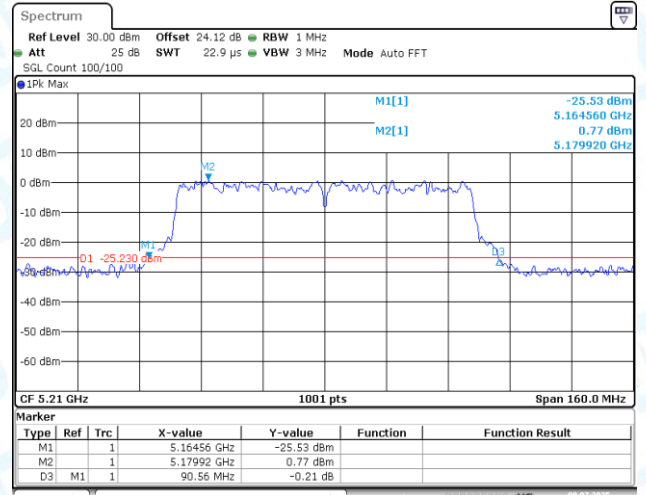
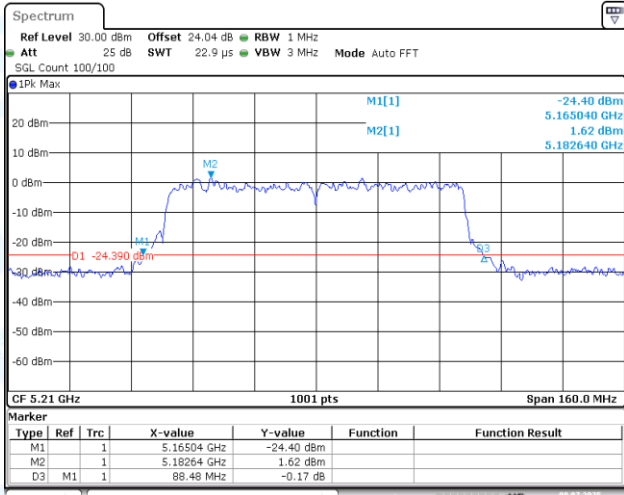
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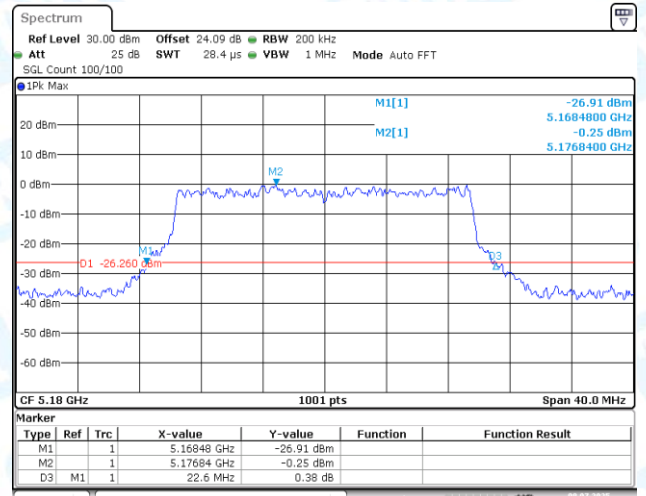
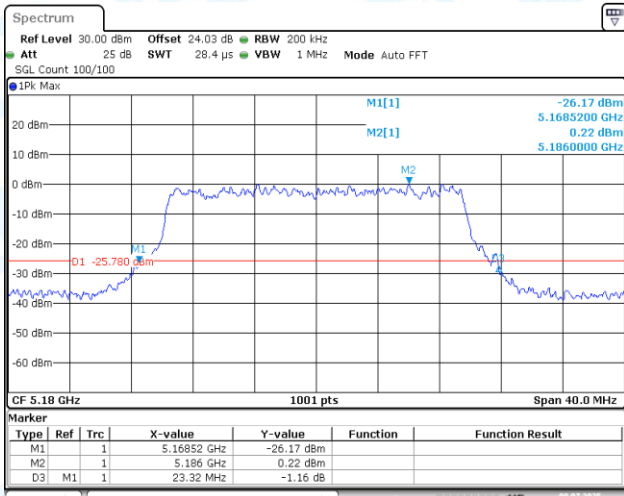
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11AC40MIMO-Ant2-5230



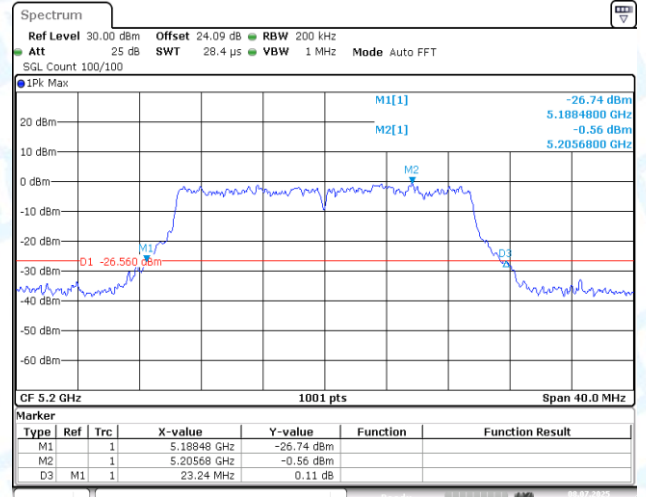
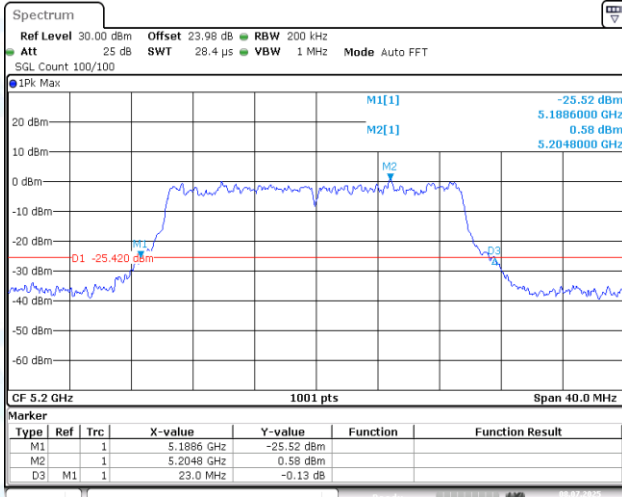
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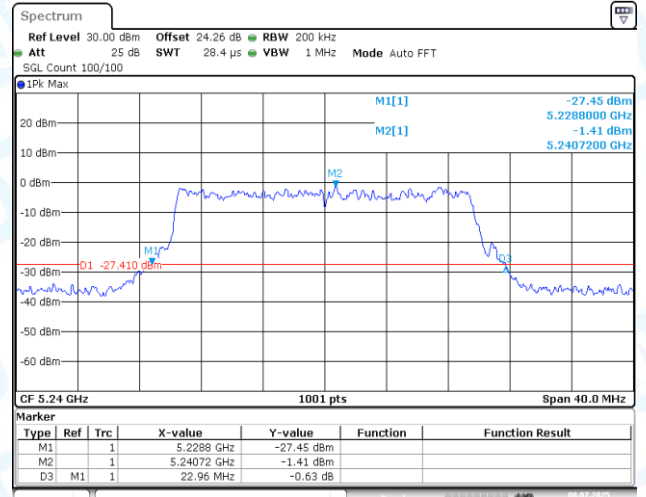
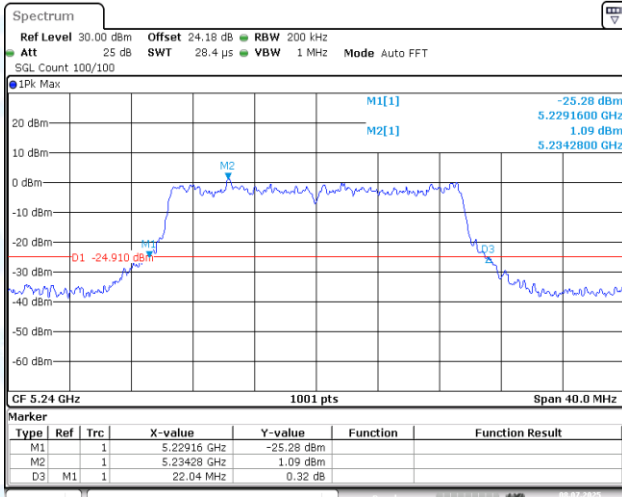


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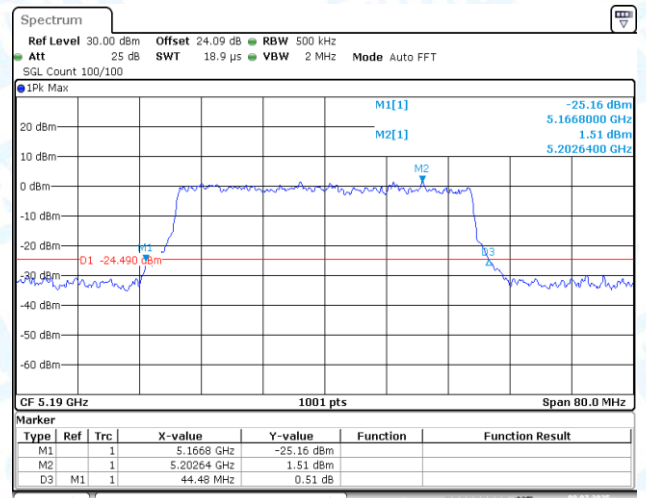
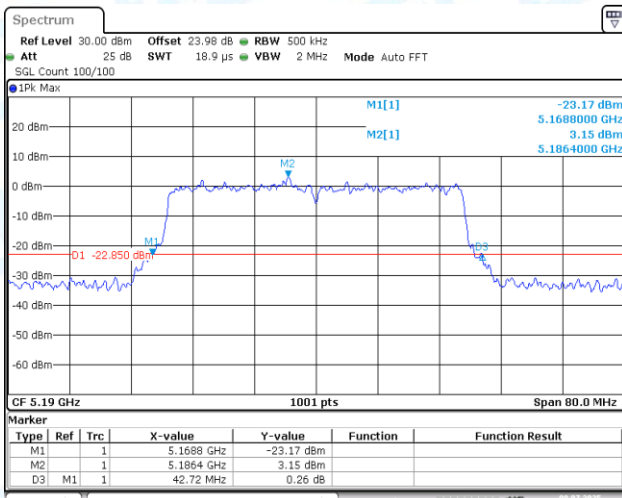
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11AX20MIMO-Ant1-5200

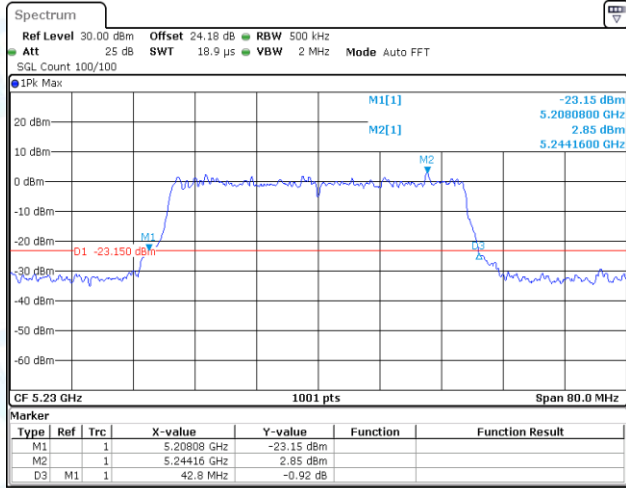


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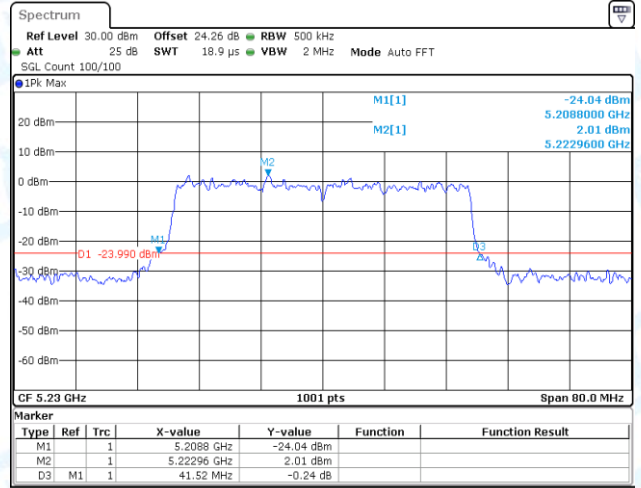


11AX40MIMO-Ant1-5190

11AX40MIMO-Ant2-5190



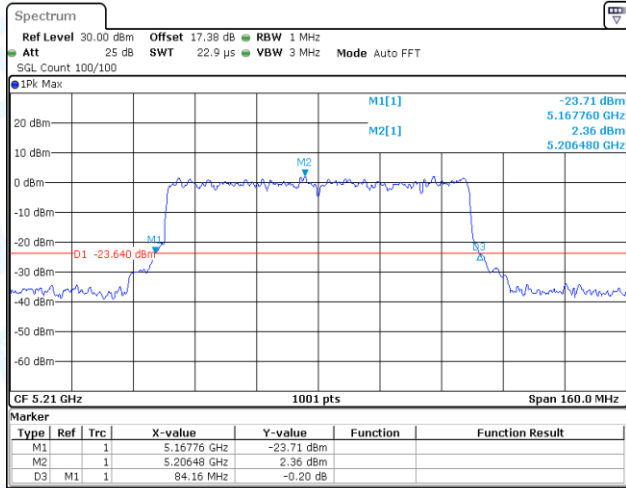
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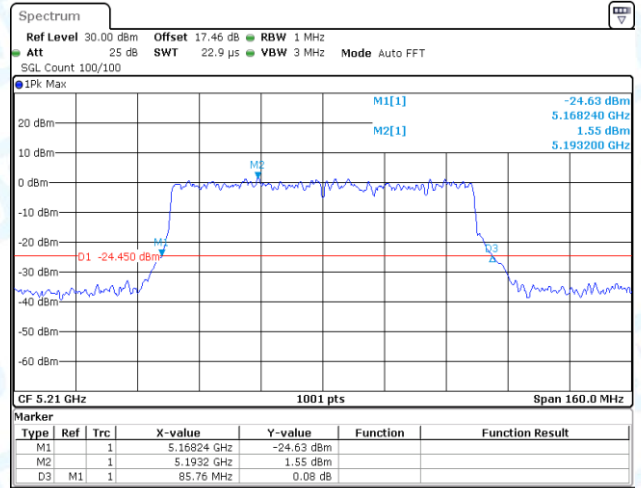
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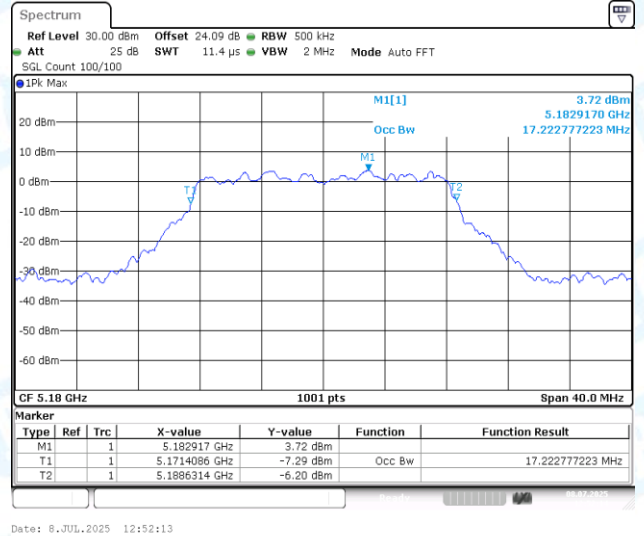
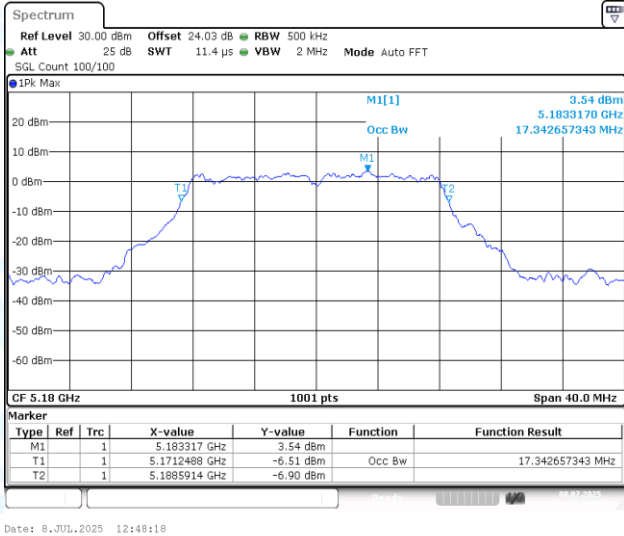
2: Occupied channel bandwidth

2.1 Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5180	17.343	5171.2488	5188.5914	---	---
11A-CDD	Ant2	5180	17.223	5171.4086	5188.6314	---	---
11A-CDD	Ant1	5200	17.463	5191.4486	5208.9111	---	---
11A-CDD	Ant2	5200	17.502	5191.3686	5208.8711	---	---
11A-CDD	Ant1	5240	17.303	5231.4486	5248.7512	---	---
11A-CDD	Ant2	5240	17.263	5231.3287	5248.5914	---	---
11A-CDD	Ant1	5745	17.502	5736.4086	5753.9111	---	---
11A-CDD	Ant2	5745	17.862	5736.1688	5754.0310	---	---
11A-CDD	Ant1	5785	17.423	5776.2488	5793.6713	---	---
11A-CDD	Ant2	5785	17.423	5776.3287	5793.7512	---	---
11A-CDD	Ant1	5825	17.103	5816.4086	5833.5115	---	---
11A-CDD	Ant2	5825	17.423	5816.3686	5833.7912	---	---
11N20MIMO	Ant1	5180	18.102	5170.9690	5189.0709	---	---
11N20MIMO	Ant2	5180	18.302	5170.8891	5189.1908	---	---
11N20MIMO	Ant1	5200	18.581	5190.7293	5209.3107	---	---
11N20MIMO	Ant2	5200	18.342	5190.8492	5209.1908	---	---
11N20MIMO	Ant1	5240	18.701	5230.7293	5249.4306	---	---
11N20MIMO	Ant2	5240	18.222	5230.8492	5249.0709	---	---
11N20MIMO	Ant1	5745	18.661	5735.6893	5754.3506	---	---
11N20MIMO	Ant2	5745	18.222	5735.7692	5753.9910	---	---
11N20MIMO	Ant1	5785	18.262	5775.8492	5794.1109	---	---
11N20MIMO	Ant2	5785	18.142	5775.9291	5794.0709	---	---
11N20MIMO	Ant1	5825	18.541	5815.6494	5834.1908	---	---
11N20MIMO	Ant2	5825	18.581	5815.8092	5834.3906	---	---
11N40MIMO	Ant1	5190	36.763	5171.6184	5208.3816	---	---
11N40MIMO	Ant2	5190	36.763	5171.5385	5208.3017	---	---
11N40MIMO	Ant1	5230	36.843	5211.6184	5248.4615	---	---
11N40MIMO	Ant2	5230	36.843	5211.5385	5248.3816	---	---
11N40MIMO	Ant1	5755	36.843	5736.4585	5773.3017	---	---
11N40MIMO	Ant2	5755	36.843	5736.6184	5773.4615	---	---
11N40MIMO	Ant1	5795	36.603	5776.6983	5813.3017	---	---
11N40MIMO	Ant2	5795	36.603	5776.6983	5813.3017	---	---
11AC20MIMO	Ant1	5180	18.422	5170.7293	5189.1508	---	---
11AC20MIMO	Ant2	5180	18.222	5170.8092	5189.0310	---	---
11AC20MIMO	Ant1	5200	18.302	5190.8092	5209.1109	---	---
11AC20MIMO	Ant2	5200	18.422	5190.8092	5209.2308	---	---
11AC20MIMO	Ant1	5240	18.342	5230.7692	5249.1109	---	---
11AC20MIMO	Ant2	5240	18.342	5230.6893	5249.0310	---	---
11AC20MIMO	Ant1	5745	18.701	5735.6494	5754.3506	---	---
11AC20MIMO	Ant2	5745	18.302	5735.8492	5754.1508	---	---
11AC20MIMO	Ant1	5785	18.262	5775.8492	5794.1109	---	---

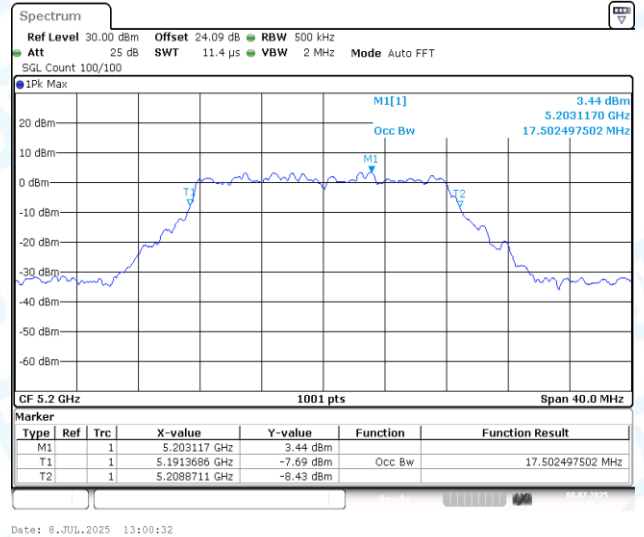
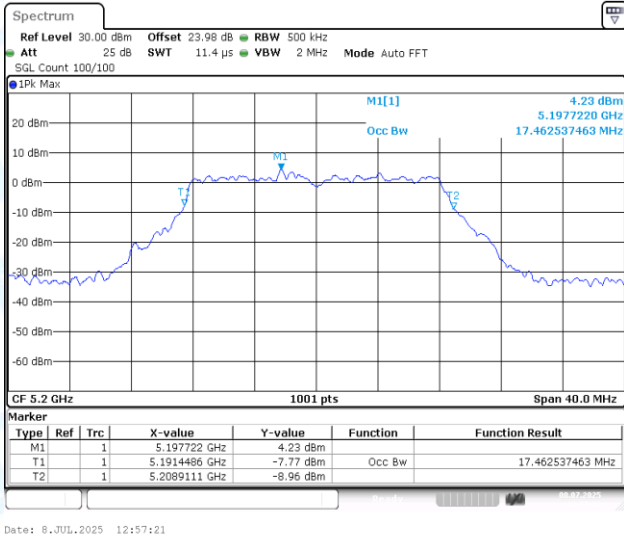
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11AC20MIMO	Ant1	5825	18.262	5815.7293	5833.9910	---	---
11AC20MIMO	Ant2	5825	18.222	5816.0090	5834.2308	---	---
11AC40MIMO	Ant1	5190	36.923	5171.4585	5208.3816	---	---
11AC40MIMO	Ant2	5190	36.843	5171.5385	5208.3816	---	---
11AC40MIMO	Ant1	5230	37.562	5210.9790	5248.5415	---	---
11AC40MIMO	Ant2	5230	36.444	5211.6983	5248.1419	---	---
11AC40MIMO	Ant1	5755	36.444	5736.6983	5773.1419	---	---
11AC40MIMO	Ant2	5755	37.243	5736.1389	5773.3816	---	---
11AC40MIMO	Ant1	5795	37.003	5776.2987	5813.3017	---	---
11AC40MIMO	Ant2	5795	37.163	5776.2188	5813.3816	---	---
11AC80MIMO	Ant1	5210	77.363	5170.9990	5248.3616	---	---
11AC80MIMO	Ant2	5210	77.203	5171.3187	5248.5215	---	---
11AC80MIMO	Ant1	5775	76.563	5736.4785	5813.0420	---	---
11AC80MIMO	Ant2	5775	76.883	5736.6384	5813.5215	---	---
11AX20MIMO	Ant1	5180	19.301	5170.3297	5189.6304	---	---
11AX20MIMO	Ant2	5180	19.101	5170.4496	5189.5504	---	---
11AX20MIMO	Ant1	5200	19.381	5190.3297	5209.7103	---	---
11AX20MIMO	Ant2	5200	19.301	5190.2897	5209.5904	---	---
11AX20MIMO	Ant1	5240	19.341	5230.3696	5249.7103	---	---
11AX20MIMO	Ant2	5240	19.261	5230.2897	5249.5504	---	---
11AX20MIMO	Ant1	5745	19.540	5735.2897	5754.8302	---	---
11AX20MIMO	Ant2	5745	19.381	5735.2098	5754.5904	---	---
11AX20MIMO	Ant1	5785	19.301	5775.3297	5794.6304	---	---
11AX20MIMO	Ant2	5785	19.221	5775.3297	5794.5504	---	---
11AX20MIMO	Ant1	5825	19.381	5815.3696	5834.7502	---	---
11AX20MIMO	Ant2	5825	19.301	5815.3297	5834.6304	---	---
11AX40MIMO	Ant1	5190	38.521	5170.7393	5209.2607	---	---
11AX40MIMO	Ant2	5190	38.202	5170.8192	5209.0210	---	---
11AX40MIMO	Ant1	5230	38.442	5210.7393	5249.1808	---	---
11AX40MIMO	Ant2	5230	38.202	5210.7393	5248.9411	---	---
11AX40MIMO	Ant1	5755	38.122	5735.8192	5773.9411	---	---
11AX40MIMO	Ant2	5755	38.202	5735.8192	5774.0210	---	---
11AX40MIMO	Ant1	5795	38.122	5775.8192	5813.9411	---	---
11AX40MIMO	Ant2	5795	38.042	5775.9790	5814.0210	---	---
11AX80MIMO	Ant1	5210	78.482	5170.9990	5249.4805	---	---
11AX80MIMO	Ant2	5210	78.322	5170.6793	5249.0010	---	---
11AX80MIMO	Ant1	5775	78.002	5735.9990	5814.0010	---	---
11AX80MIMO	Ant2	5775	79.281	5735.1998	5814.4805	---	---

2.2 Test Graphs



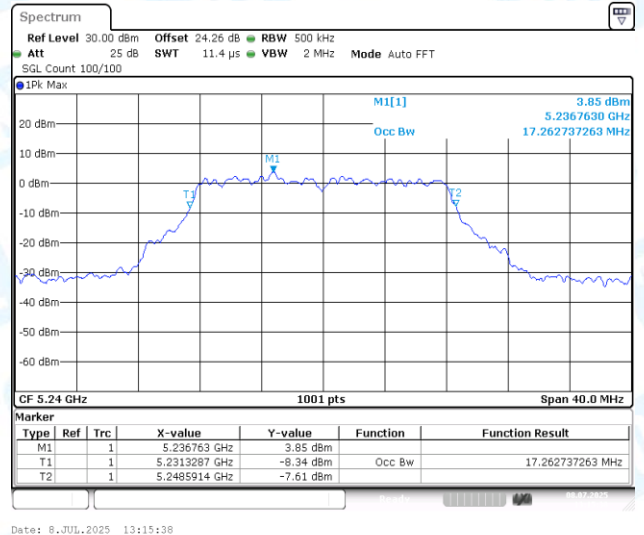
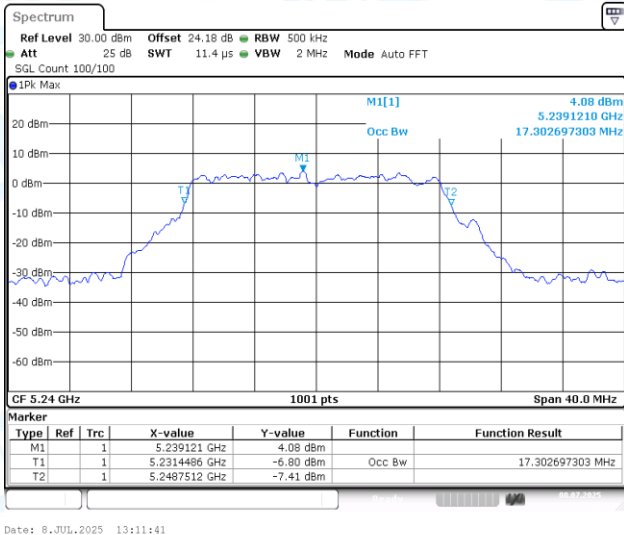
11A-CDD-Ant1-5180

11A-CDD-Ant2-5180



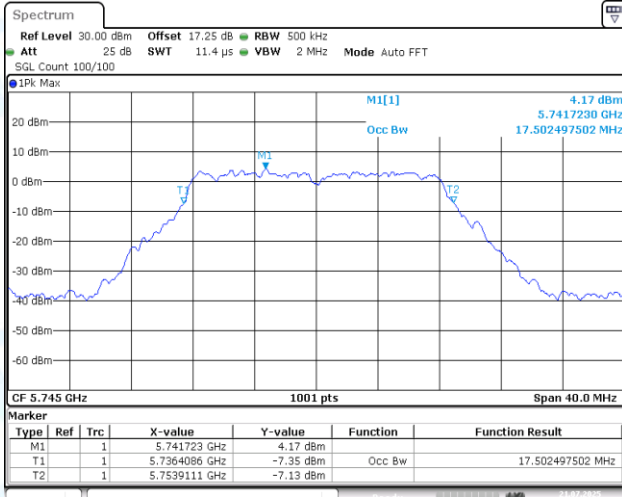
11A-CDD-Ant1-5200

11A-CDD-Ant2-5200



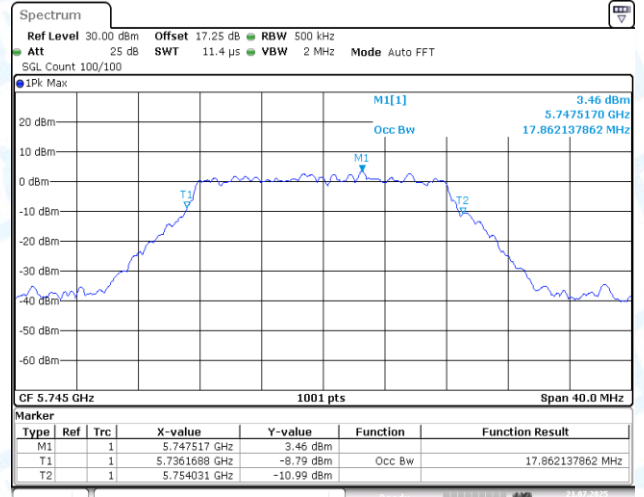
11A-CDD-Ant1-5240

11A-CDD-Ant2-5240



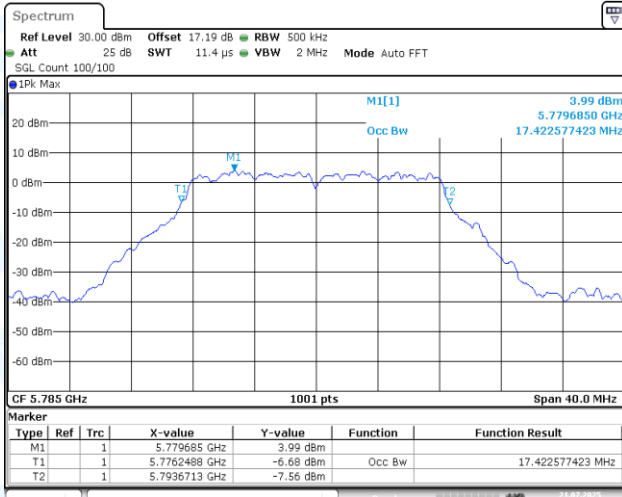
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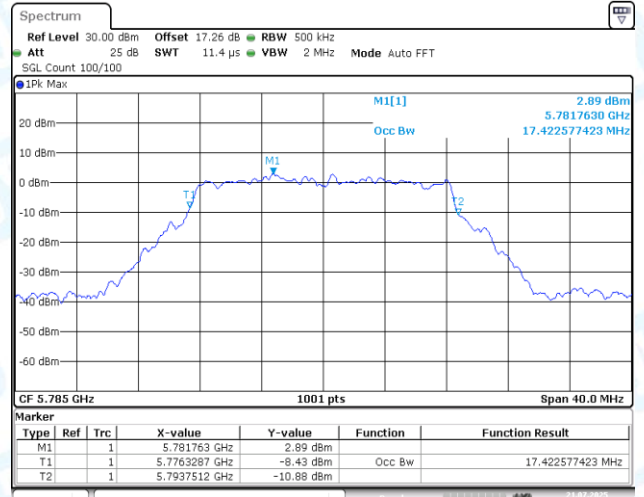
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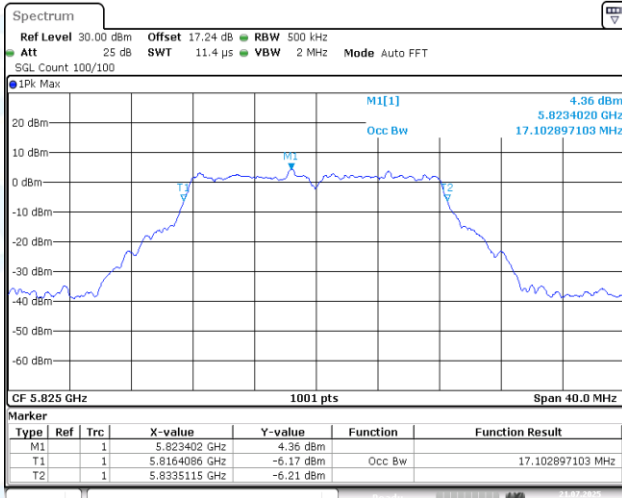
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11A-CDD-Ant1-5785



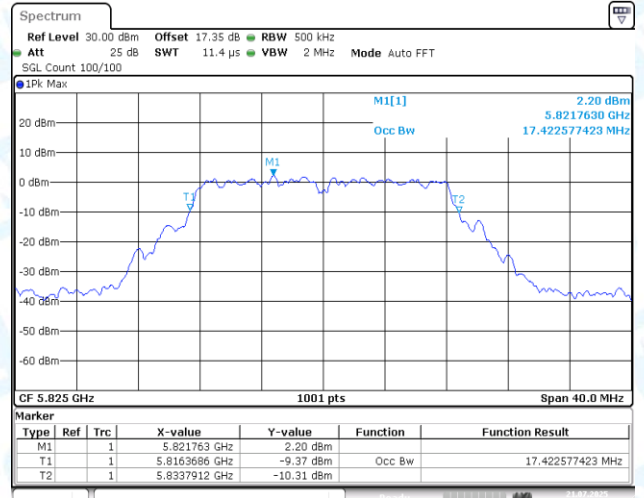
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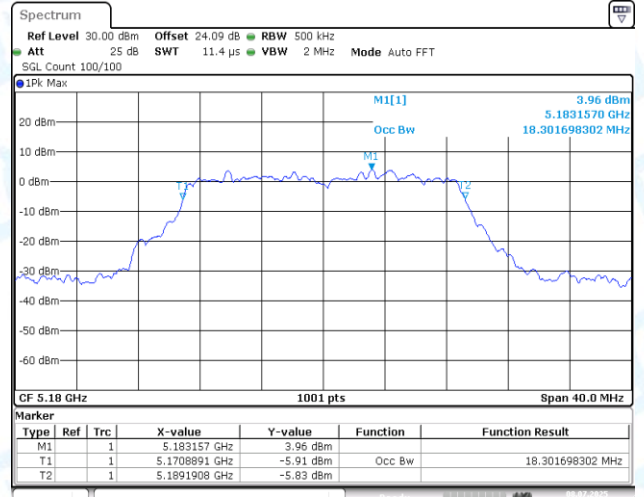
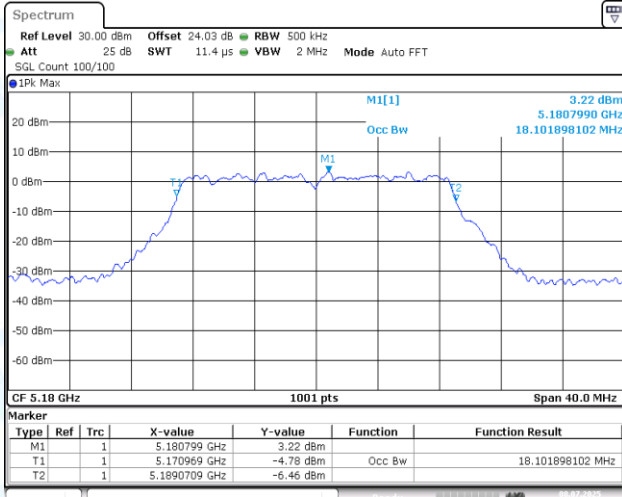
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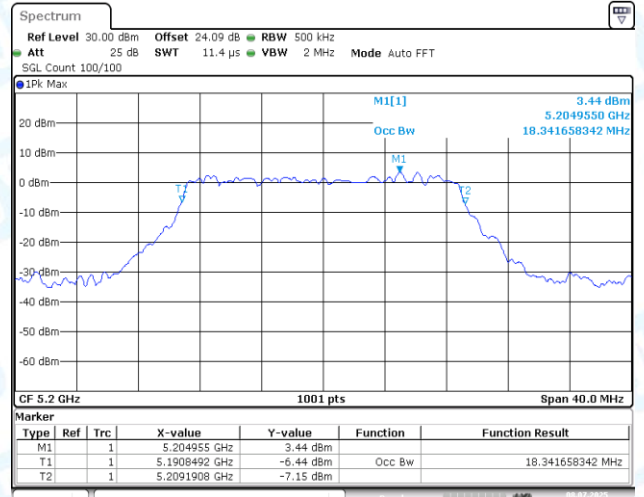
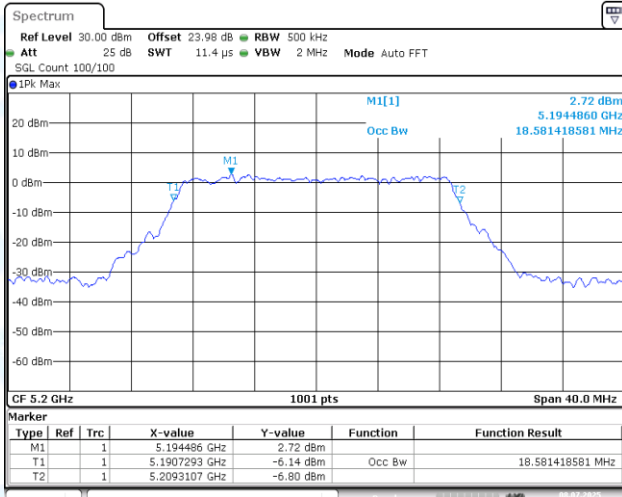
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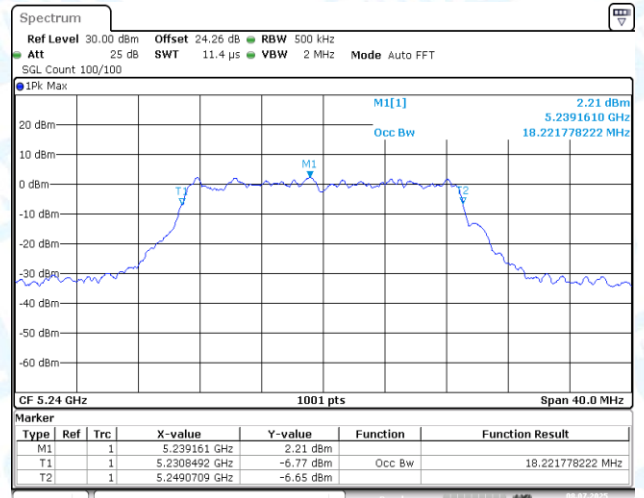
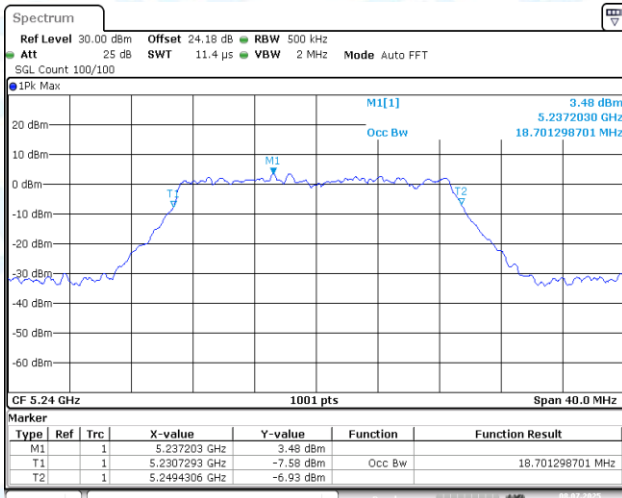
11N20MIMO-Ant1-5180

11N20MIMO-Ant2-5180



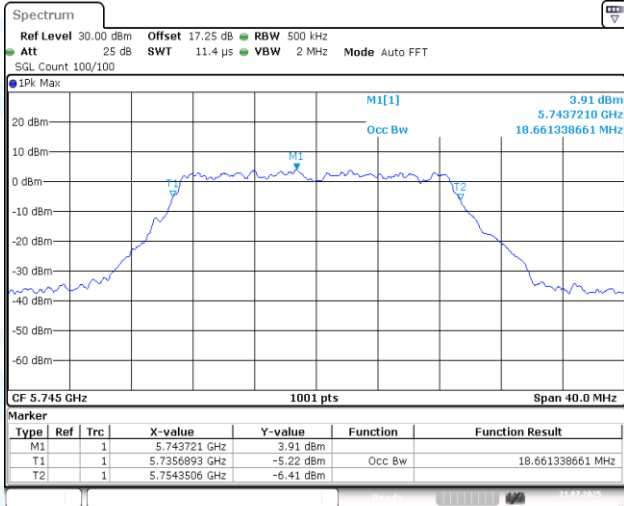
11N20MIMO-Ant1-5200

11N20MIMO-Ant2-5200

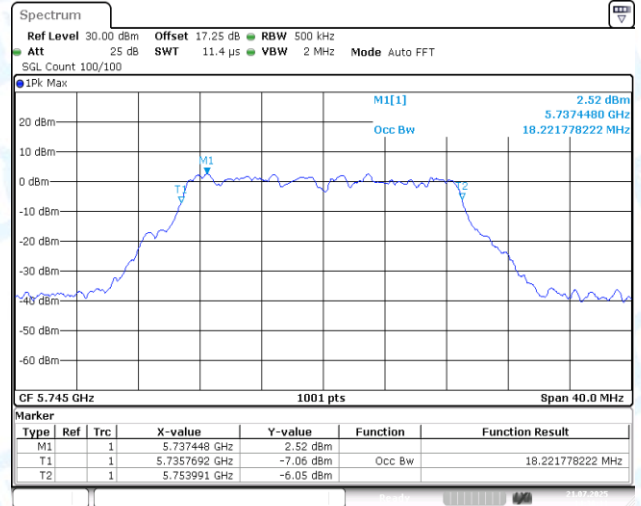


11N20MIMO-Ant1-5240

11N20MIMO-Ant2-5240



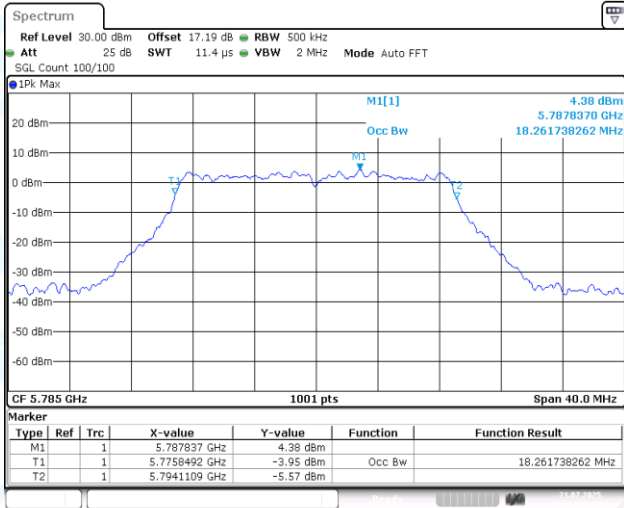
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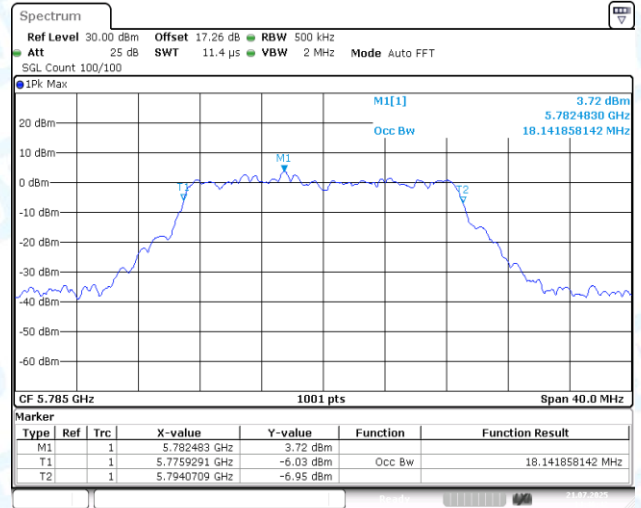
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11N20MIMO-Ant1-5745

11N20MIMO-Ant2-5745



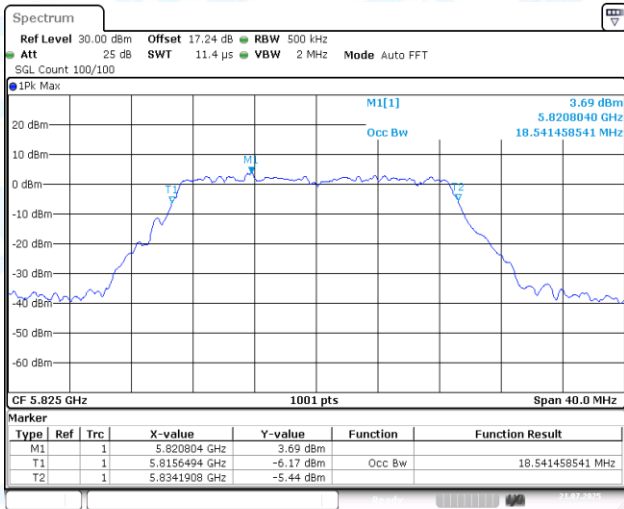
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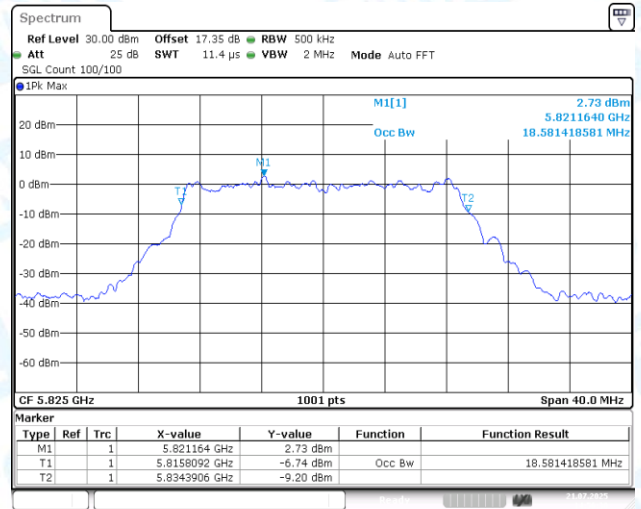
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11N20MIMO-Ant2-5785



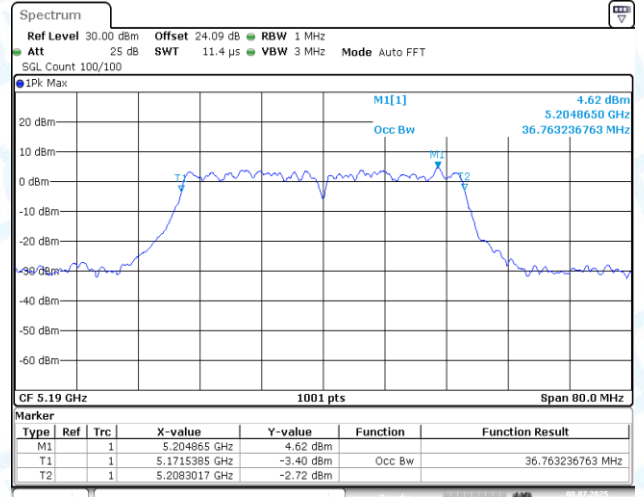
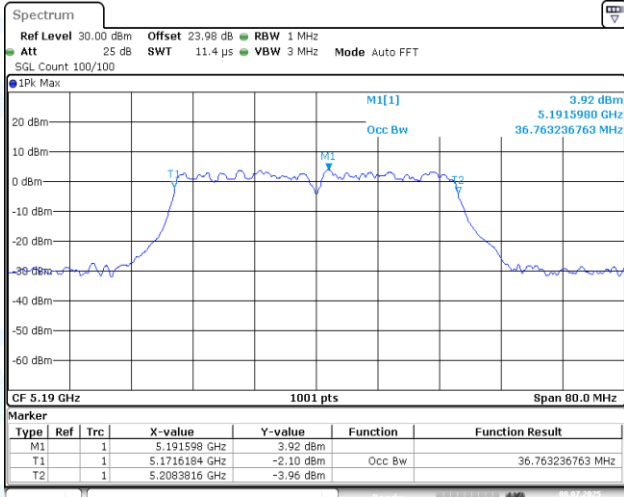
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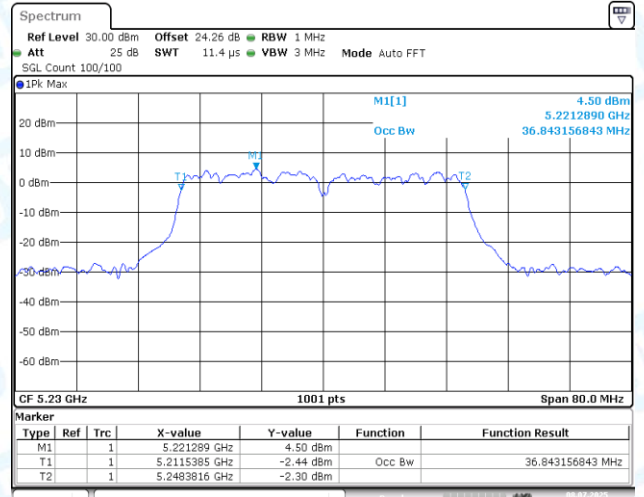
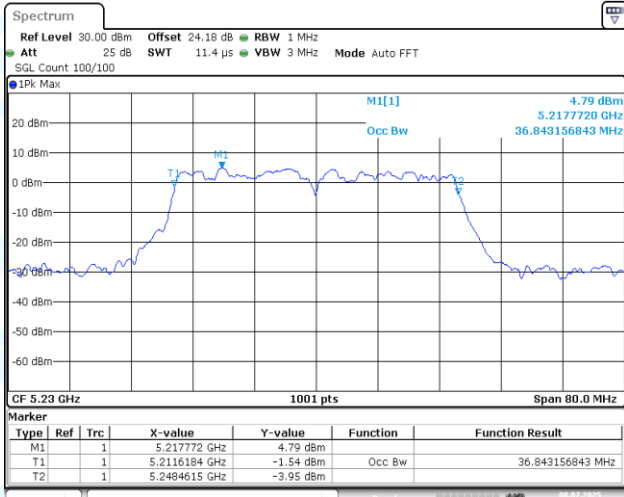
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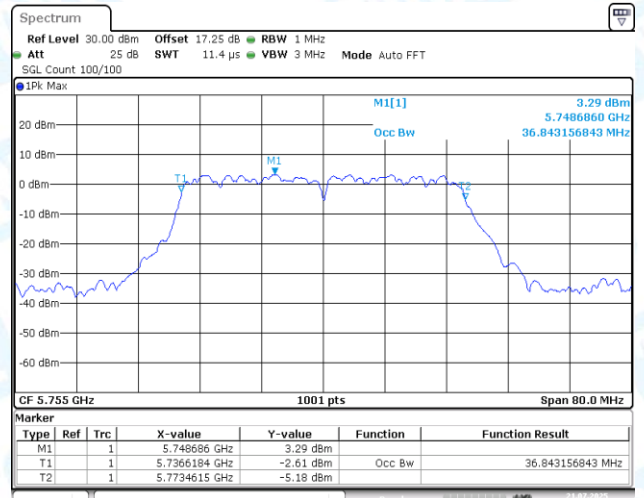
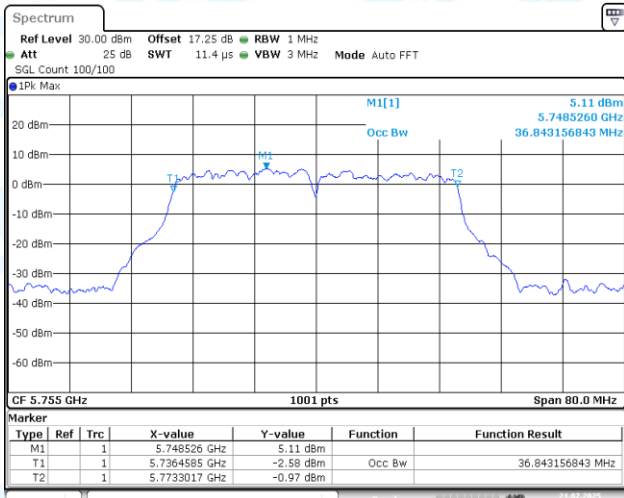
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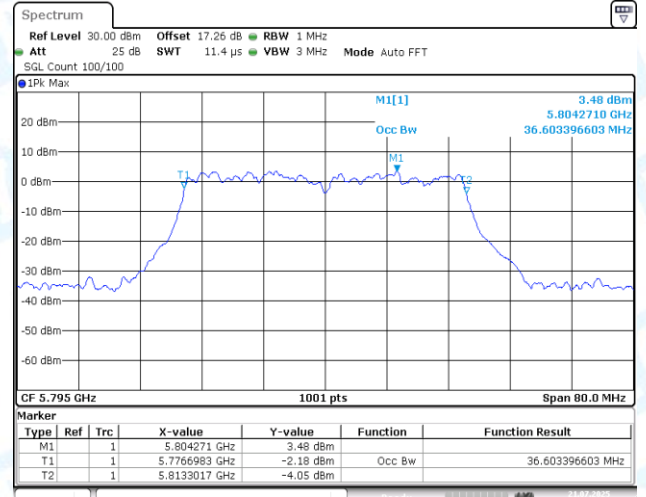
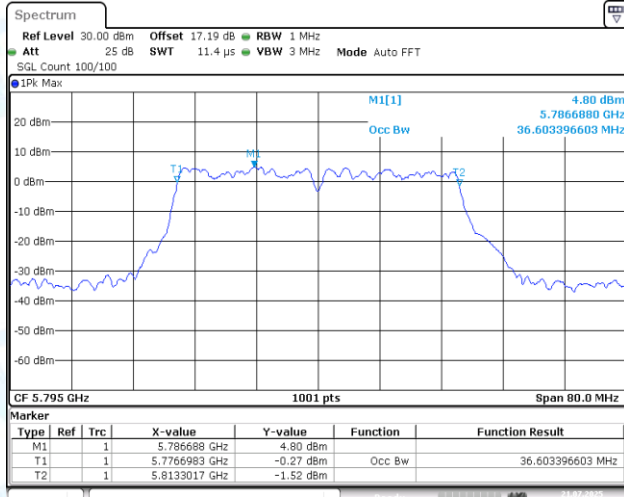
11N40MIMO-Ant1-5230

11N40MIMO-Ant2-5230



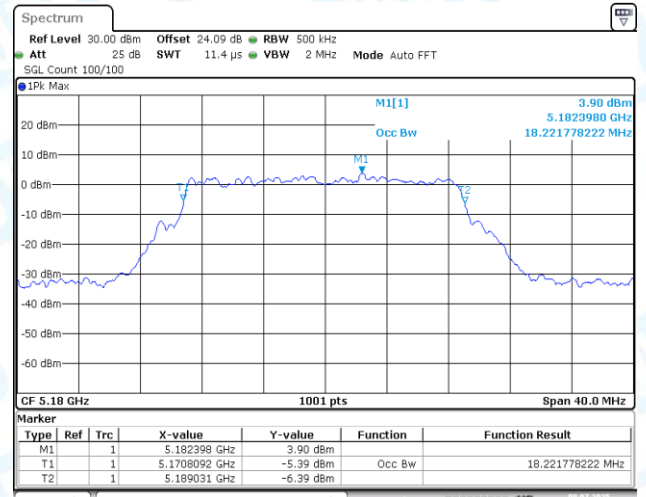
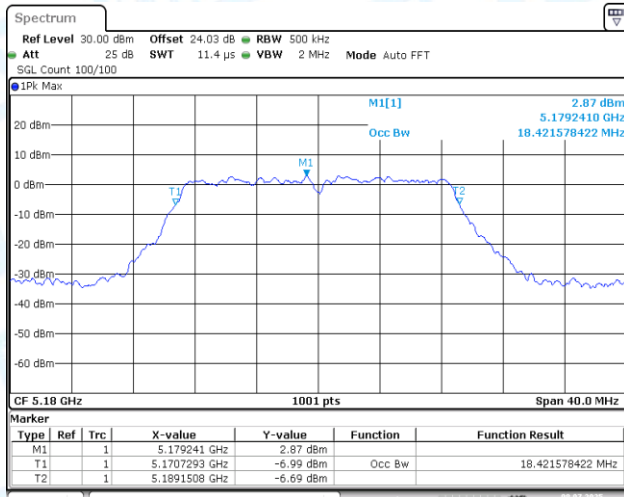
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11N40MIMO-Ant2-5755



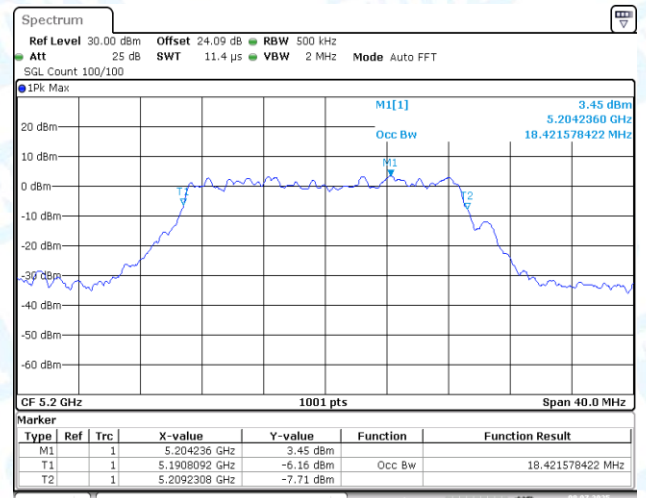
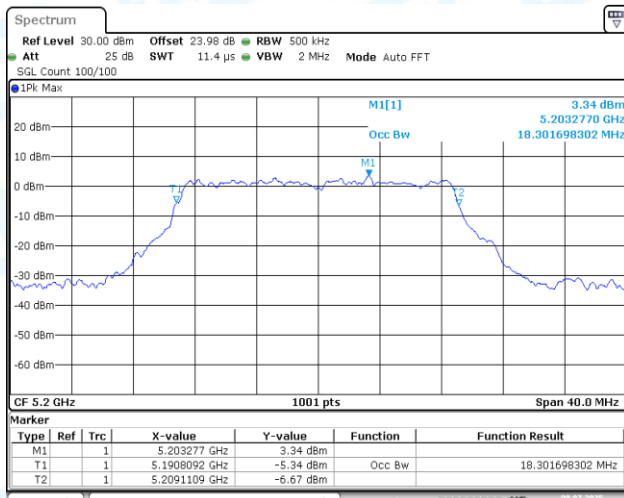
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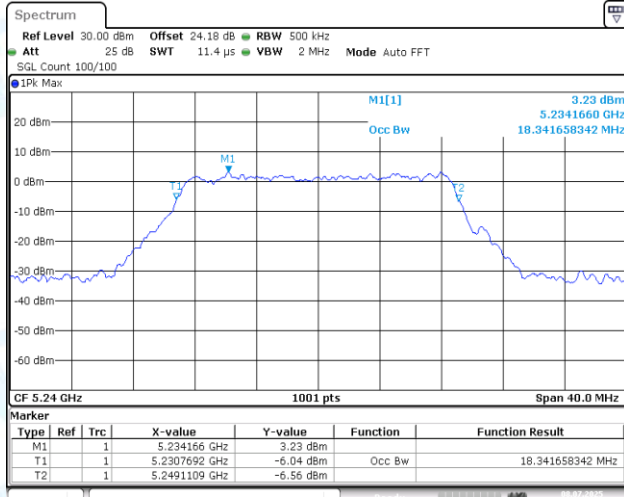
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11AC20MIMO-Ant2-5180

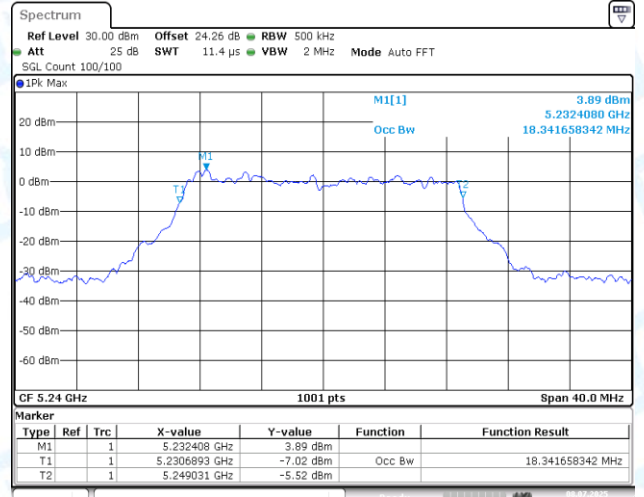


11AC20MIMO-Ant1-5200

11AC20MIMO-Ant2-5200

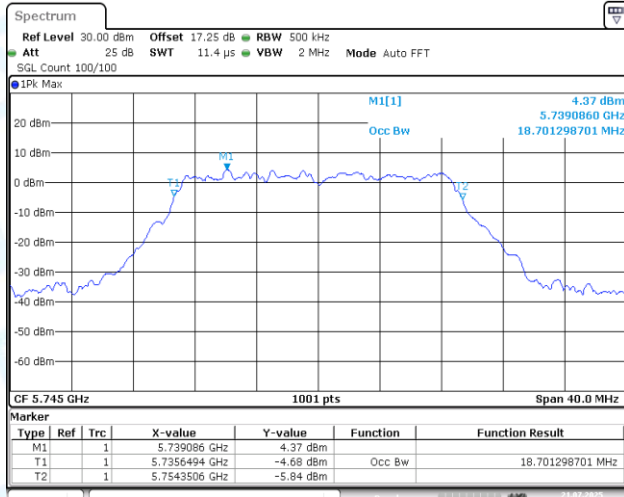


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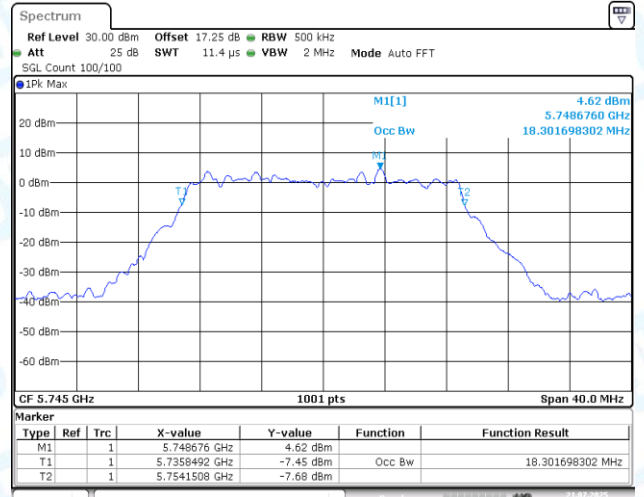
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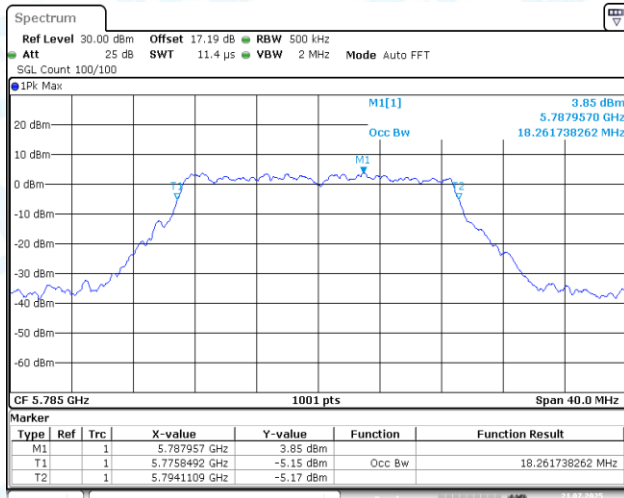
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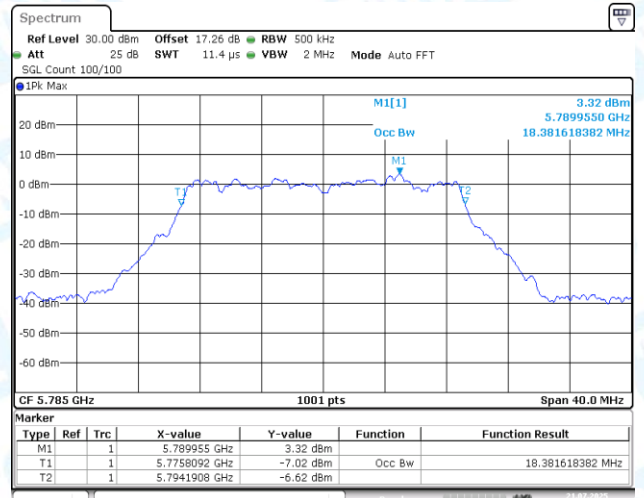
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11AC20MIMO-Ant1-5745



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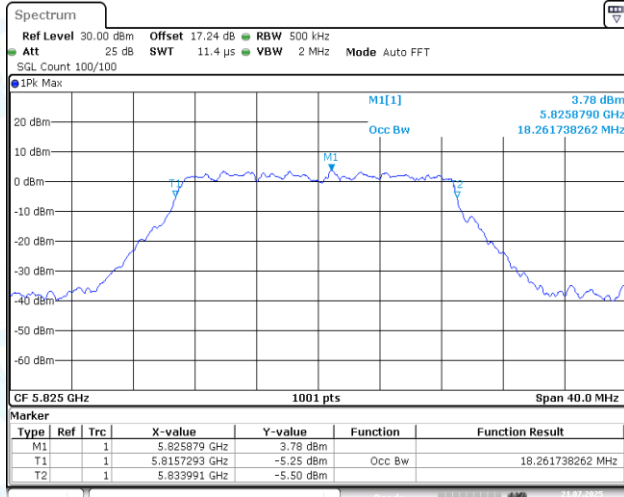
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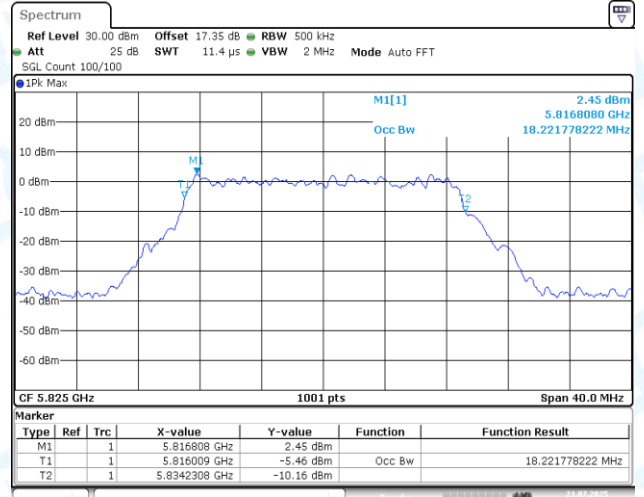
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11AC20MIMO-Ant1-5785

11AC20MIMO-Ant2-5785

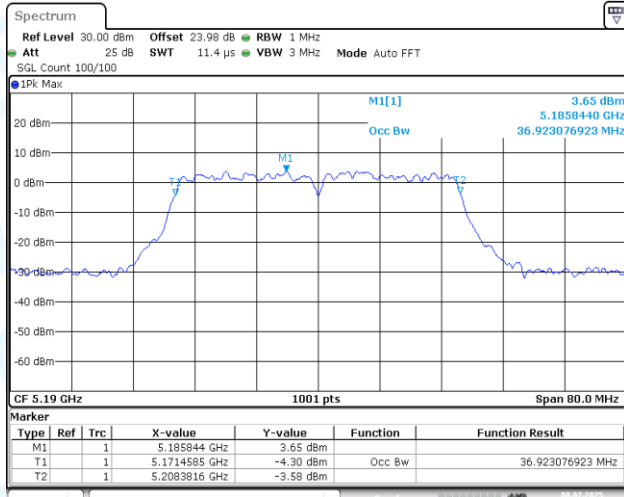


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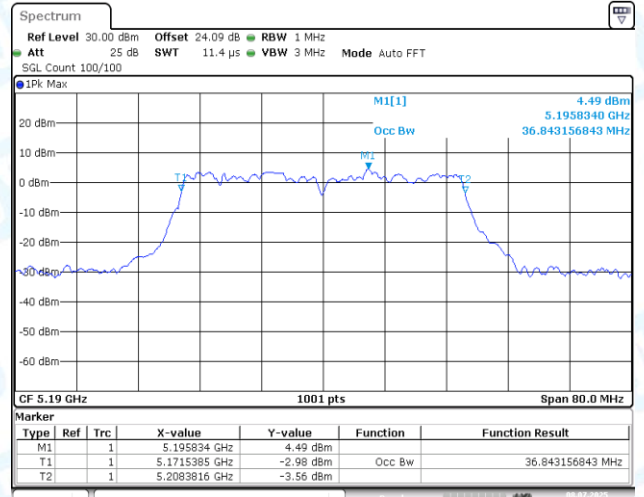
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11AC20MIMO-Ant1-5825



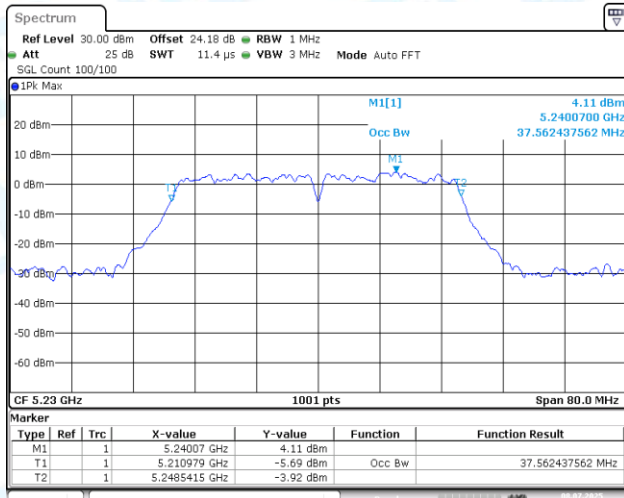
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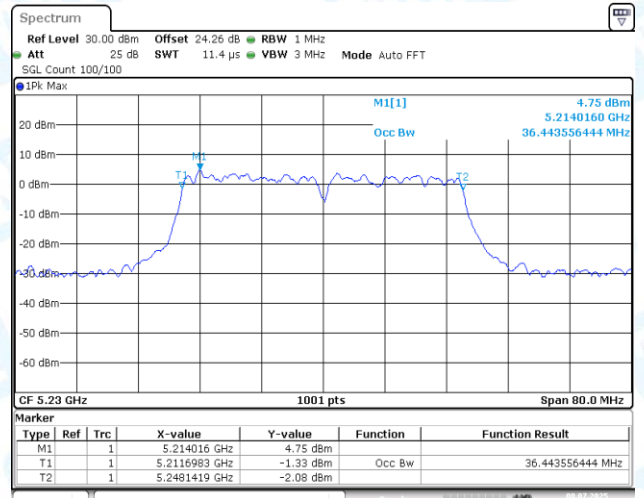
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11AC40MIMO-Ant1-5190



Date: 8.JUL.2025 14:42:11

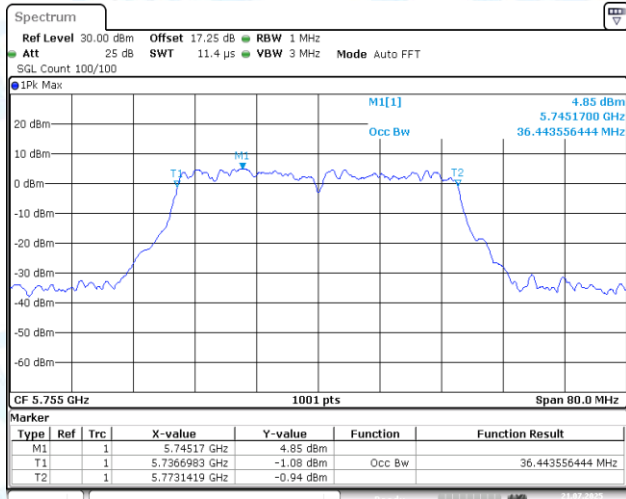
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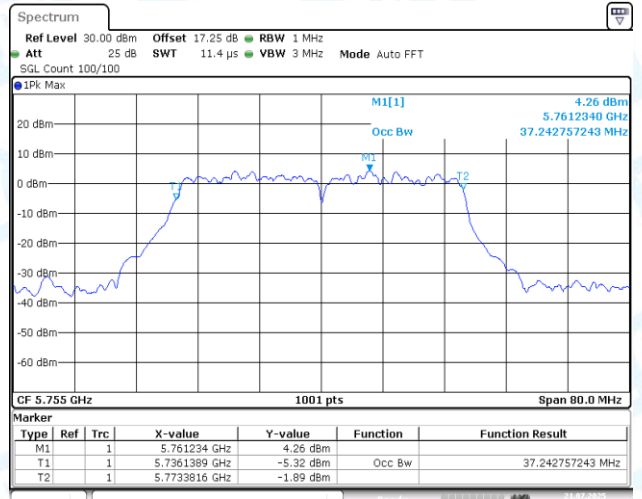
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11AC40MIMO-Ant1-5230

11AC40MIMO-Ant2-5230

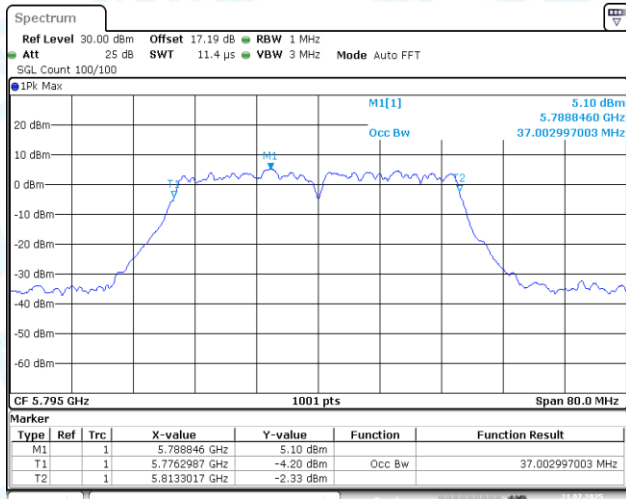


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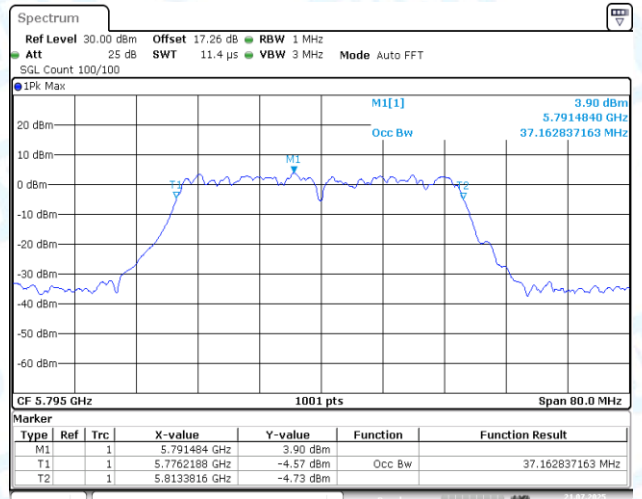
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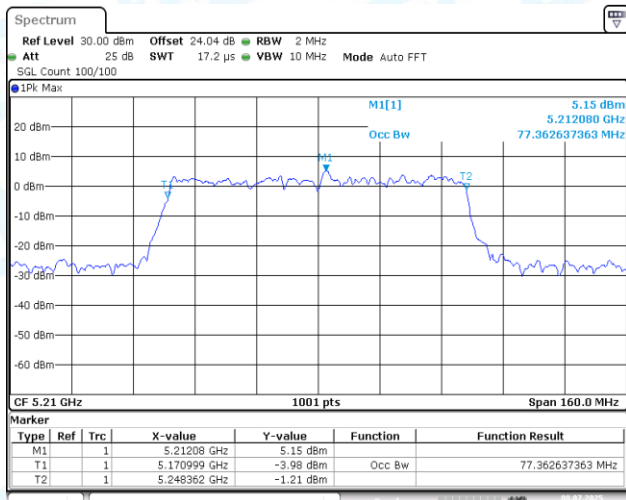
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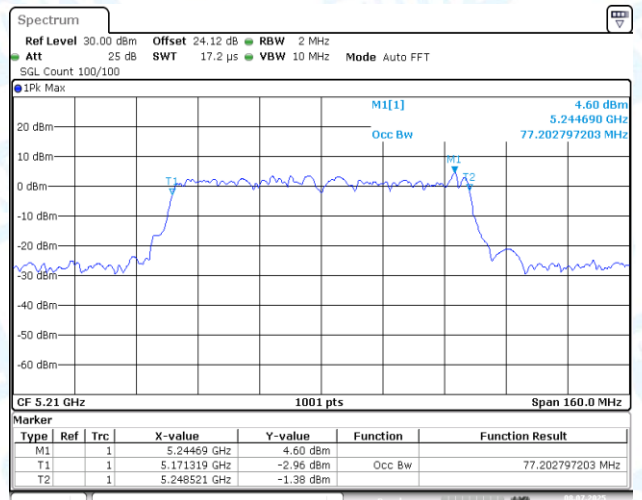
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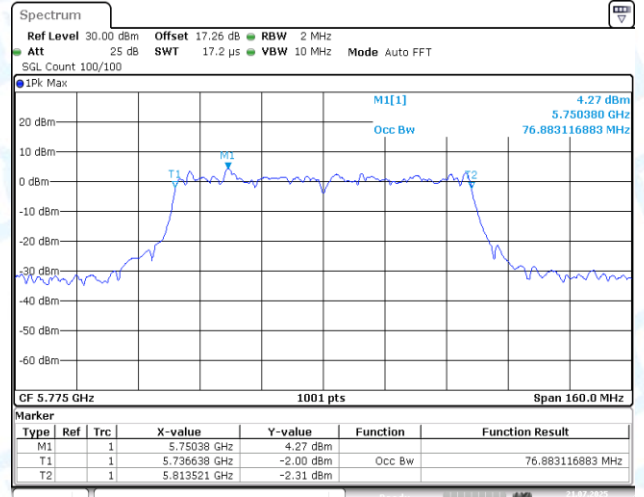
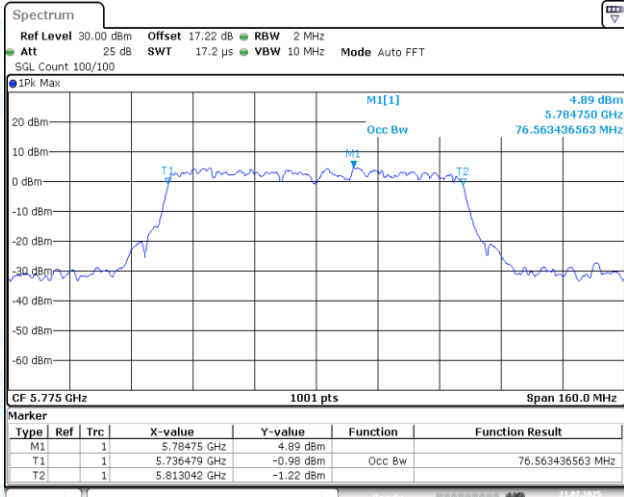
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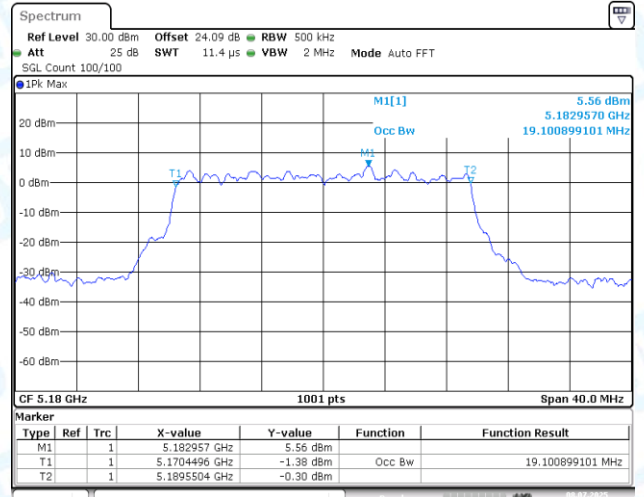
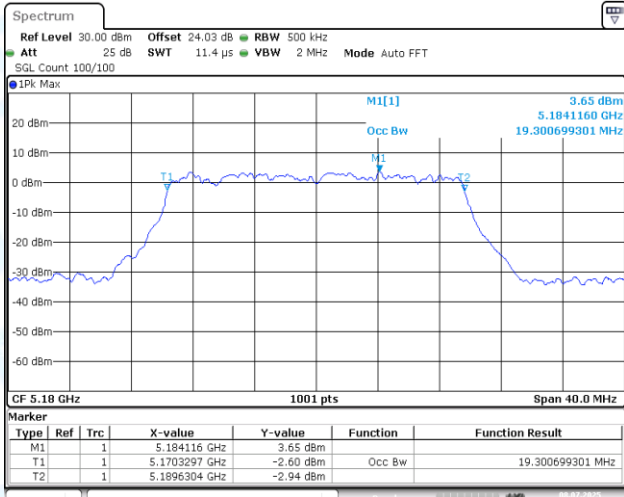
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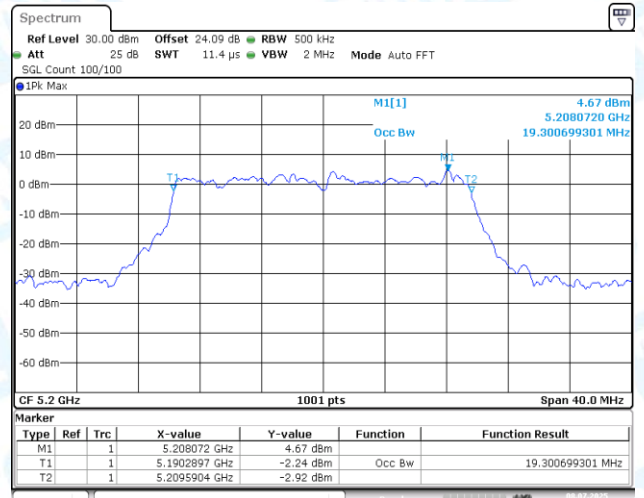
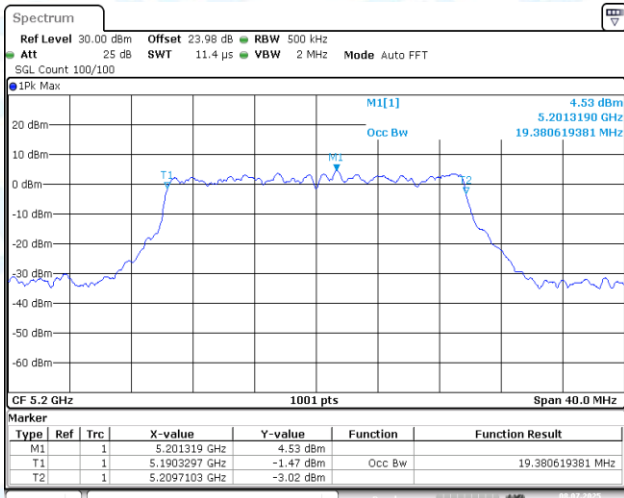
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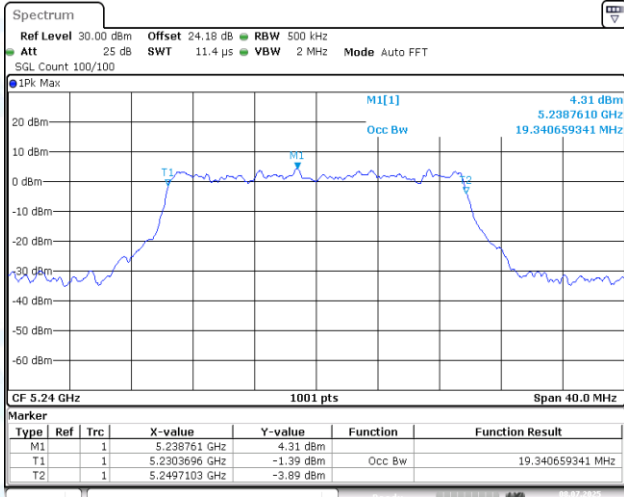
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11AX20MIMO-Ant2-5180

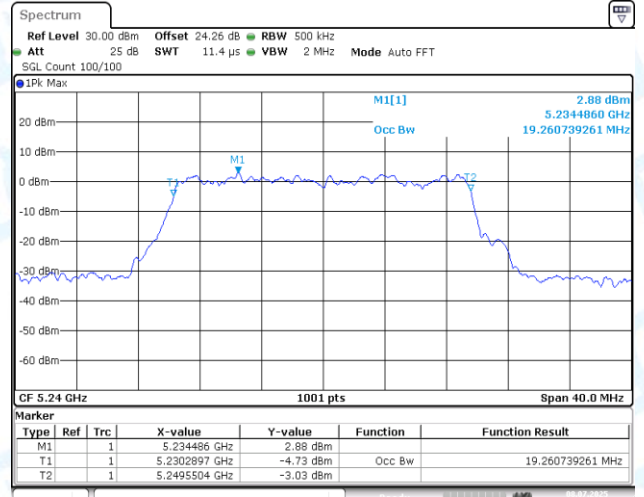


11AX20MIMO-Ant1-5200

11AX20MIMO-Ant2-5200



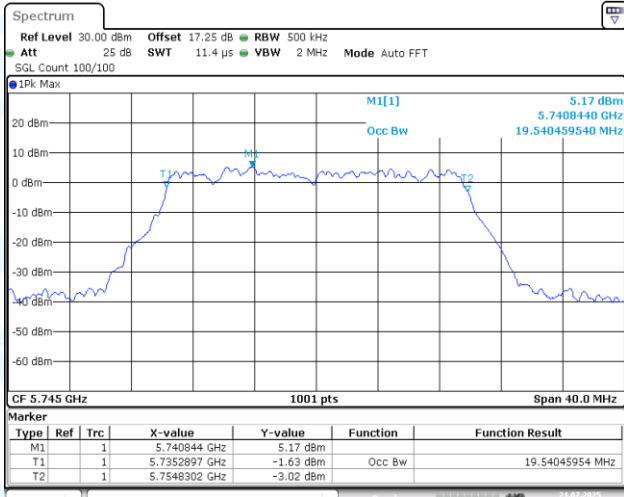
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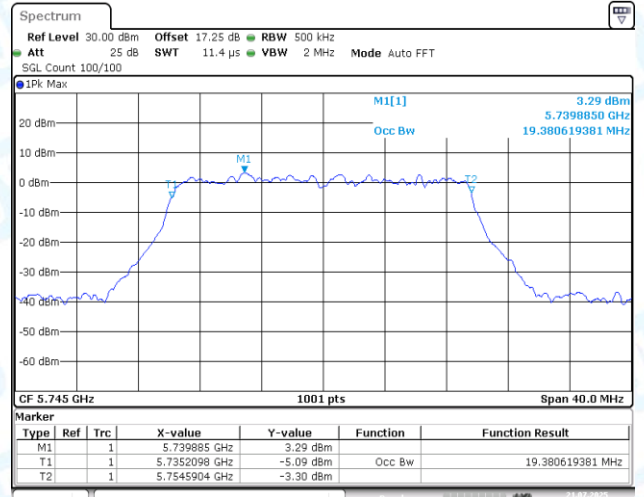
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11AX20MIMO-Ant1-5240

11AX20MIMO-Ant2-5240



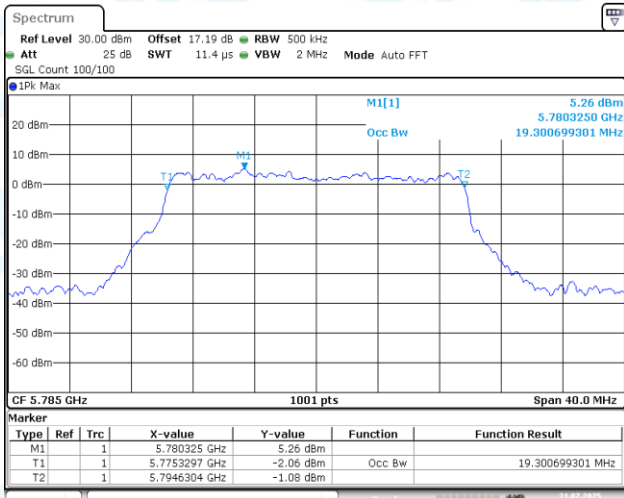
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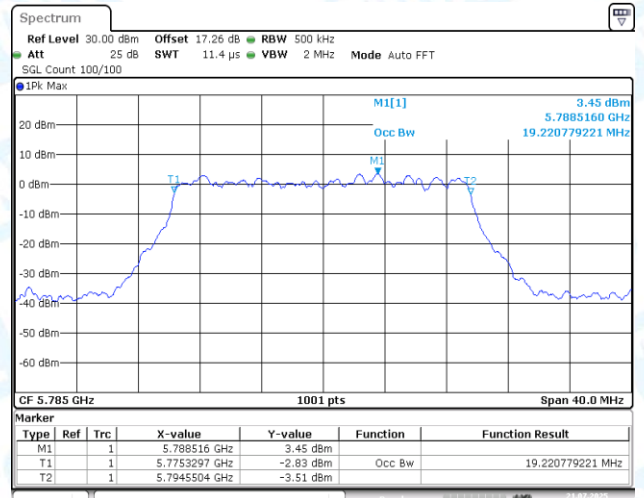
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11AX20MIMO-Ant1-5745

11AX20MIMO-Ant2-5745



Date: 21.JUL.2025 16:38:48



Date: 21.JUL.2025 16:42:06

11AX20MIMO-Ant1-5785

11AX20MIMO-Ant2-5785