

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

General Description of EUT	
EUT Name:	Portable Gaming Computer(Tablet computer)
Model:	AYANEO 3
Sample ID:	HC-C-202501-0033-01-03-2#
Test Standard:	FCC Part 15.407
Environmental Conditions	
Ambient Temperature:	23.8℃
Ambient Humidity:	48%
Test Power Supply:	DC 11.55V
Test Engineer:	Rick. chen
Note: For a more detailed features description, please refer to the report TBR-C-202501-0033-113	

Contents

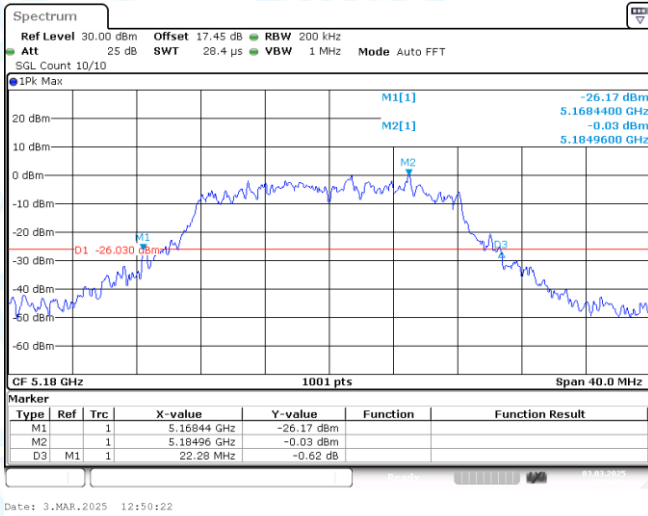
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1: Emission Bandwidth

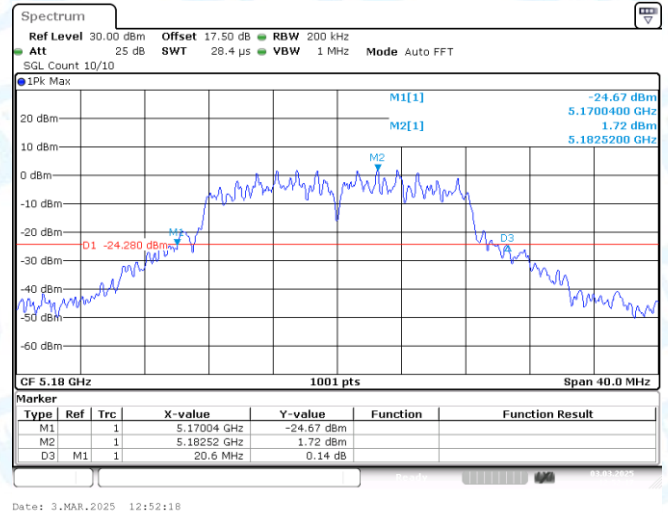
1.1 Test Result

TestMode	Antenna	Frequency[MHz]	26dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5180	22.28	5168.44	5190.72	---	---
11A-CDD	Ant2	5180	20.60	5170.04	5190.64	---	---
11A-CDD	Ant1	5200	22.68	5188.56	5211.24	---	---
11A-CDD	Ant2	5200	21.12	5189.36	5210.48	---	---
11A-CDD	Ant1	5240	23.28	5229.00	5252.28	---	---
11A-CDD	Ant2	5240	22.08	5228.40	5250.48	---	---
11N20MIMO	Ant1	5180	24.36	5167.96	5192.32	---	---
11N20MIMO	Ant2	5180	22.72	5168.36	5191.08	---	---
11N20MIMO	Ant1	5200	23.00	5188.44	5211.44	---	---
11N20MIMO	Ant2	5200	23.16	5188.24	5211.40	---	---
11N20MIMO	Ant2	5240	19.96	5230.16	5250.12	---	---
11N20MIMO	Ant1	5240	24.04	5228.28	5252.32	---	---
11N40MIMO	Ant1	5190	39.84	5170.80	5210.64	---	---
11N40MIMO	Ant2	5190	42.64	5168.32	5210.96	---	---
11N40MIMO	Ant1	5230	42.40	5209.28	5251.68	---	---
11N40MIMO	Ant2	5230	41.36	5209.20	5250.56	---	---
11AC20MIMO	Ant1	5180	22.52	5168.56	5191.08	---	---
11AC20MIMO	Ant2	5180	22.92	5168.00	5190.92	---	---
11AC20MIMO	Ant1	5200	23.12	5188.04	5211.16	---	---
11AC20MIMO	Ant2	5200	21.84	5188.28	5210.12	---	---
11AC20MIMO	Ant1	5240	21.64	5229.24	5250.88	---	---
11AC20MIMO	Ant2	5240	22.08	5228.64	5250.72	---	---
11AC40MIMO	Ant1	5190	39.28	5170.72	5210.00	---	---
11AC40MIMO	Ant2	5190	39.68	5169.92	5209.60	---	---
11AC40MIMO	Ant1	5230	39.76	5210.08	5249.84	---	---
11AC40MIMO	Ant2	5230	40.24	5209.36	5249.60	---	---
11AC80MIMO	Ant1	5210	79.84	5170.00	5249.84	---	---
11AC80MIMO	Ant2	5210	79.52	5170.32	5249.84	---	---
11AX20MIMO	Ant1	5180	21.56	5168.64	5190.20	---	---
11AX20MIMO	Ant2	5180	21.12	5169.48	5190.60	---	---
11AX20MIMO	Ant1	5200	22.04	5188.48	5210.52	---	---
11AX20MIMO	Ant2	5200	22.88	5188.60	5211.48	---	---
11AX20MIMO	Ant1	5240	23.40	5227.88	5251.28	---	---
11AX20MIMO	Ant2	5240	21.44	5229.12	5250.56	---	---
11AX40MIMO	Ant1	5190	40.56	5169.76	5210.32	---	---
11AX40MIMO	Ant2	5190	40.24	5170.40	5210.64	---	---
11AX40MIMO	Ant1	5230	41.04	5208.88	5249.92	---	---
11AX40MIMO	Ant2	5230	39.52	5210.24	5249.76	---	---
11AX80MIMO	Ant1	5210	80.32	5170.00	5250.32	---	---
11AX80MIMO	Ant2	5210	80.32	5169.84	5250.16	---	---

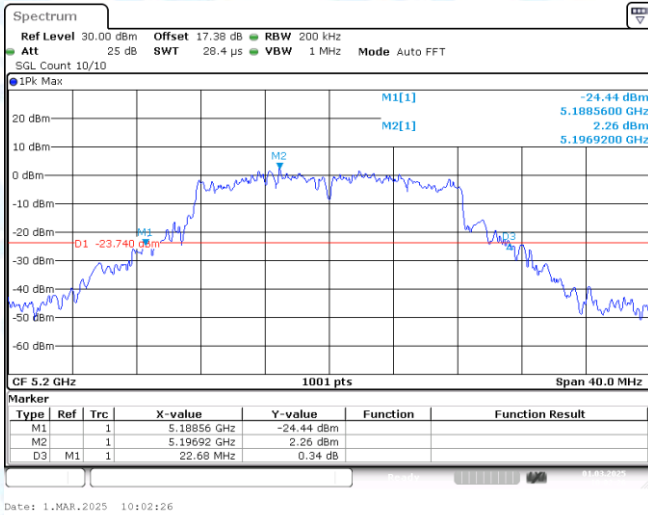
1.2 Test Graphs



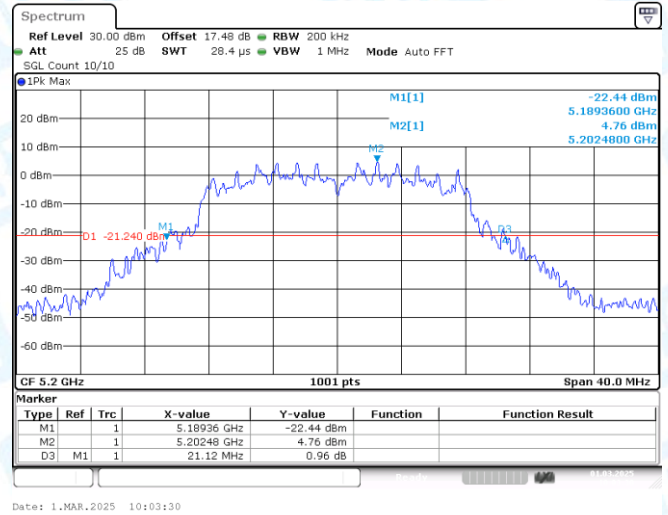
11A-CDD-Ant1-5180



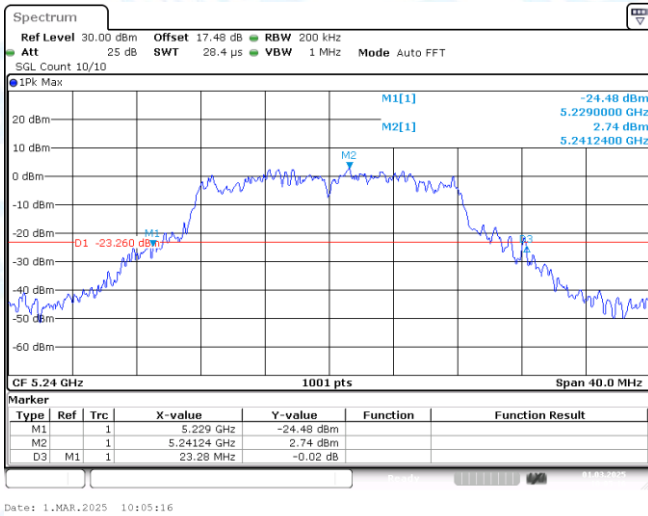
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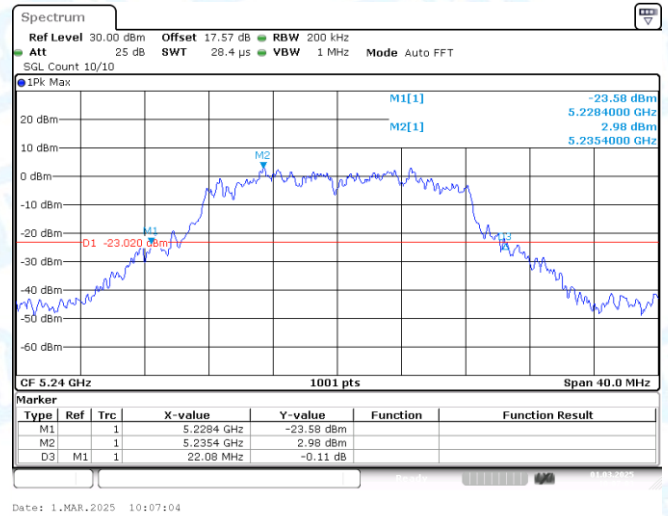
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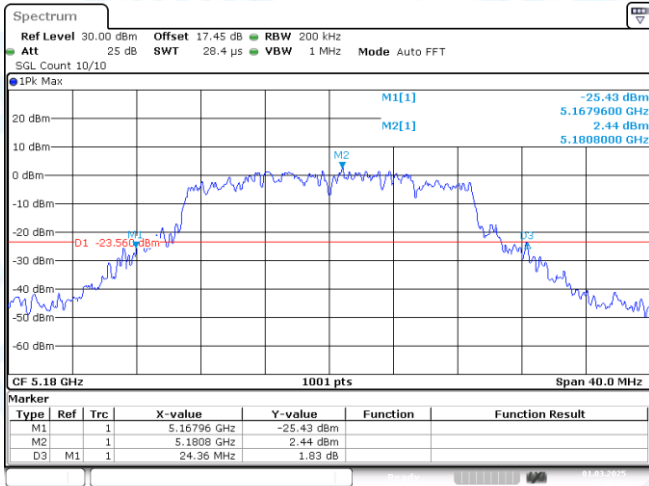
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11A-CDD-Ant1-5240

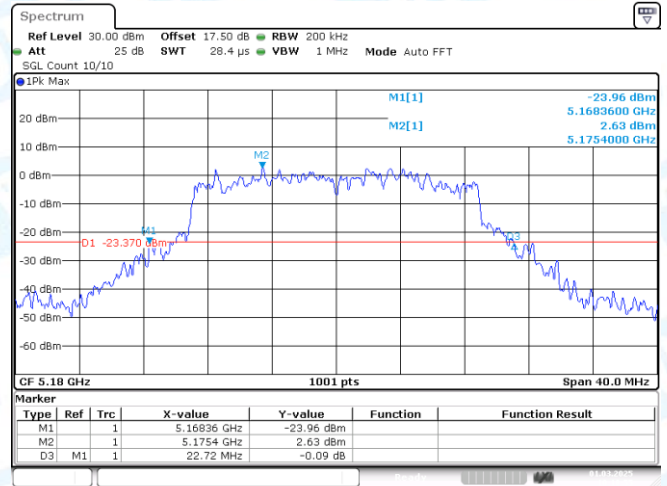


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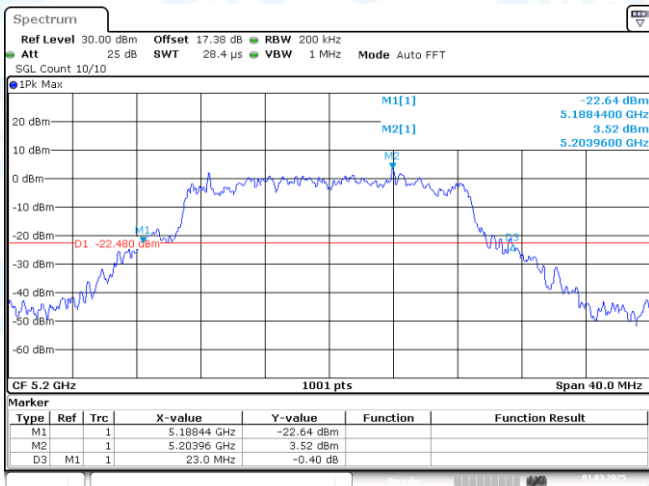
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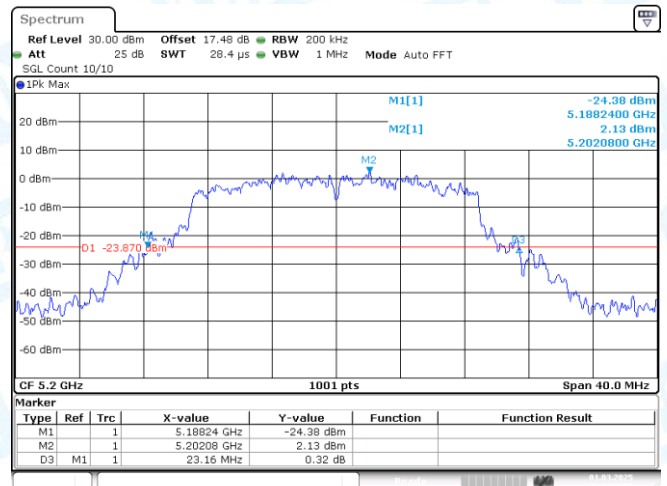
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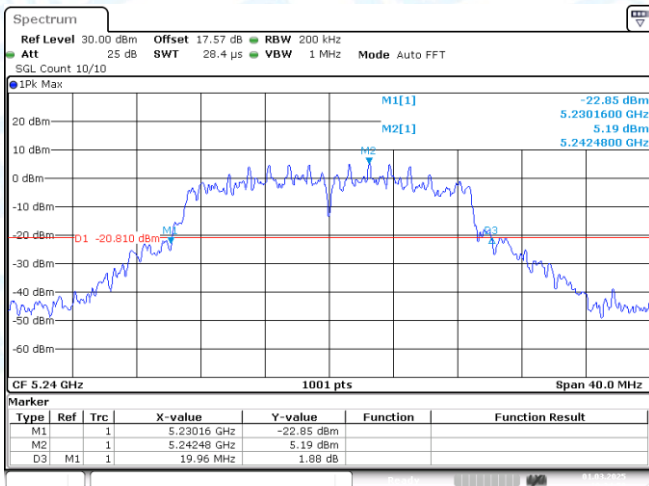
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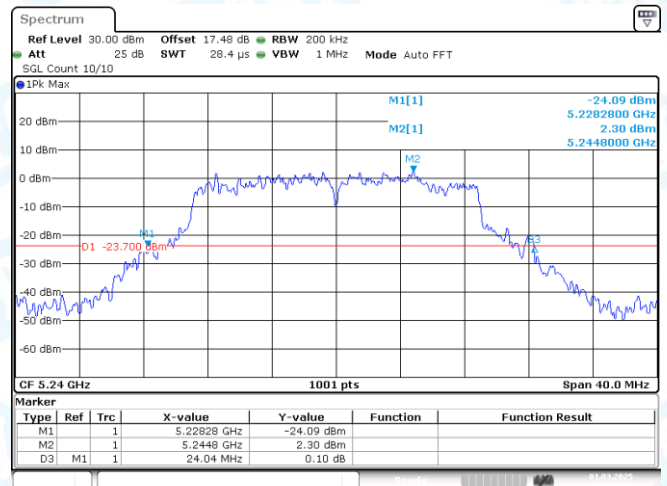
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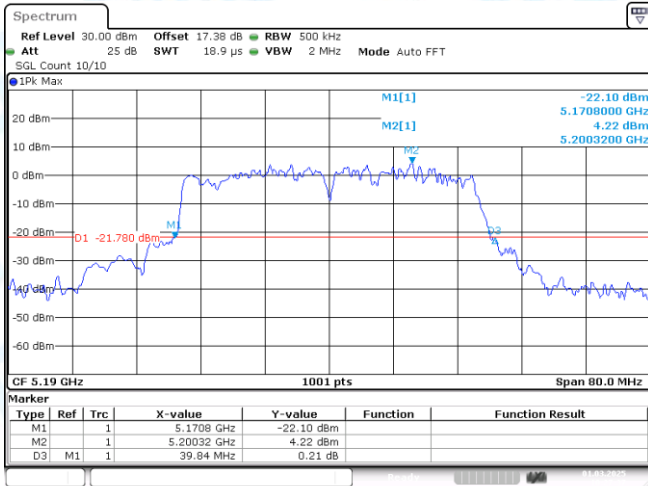
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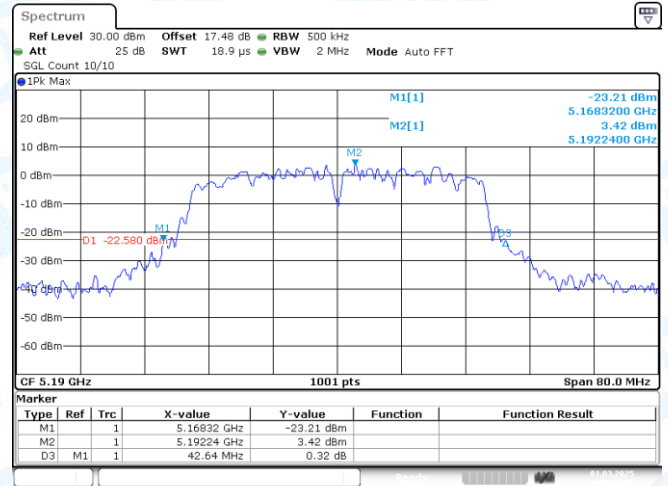


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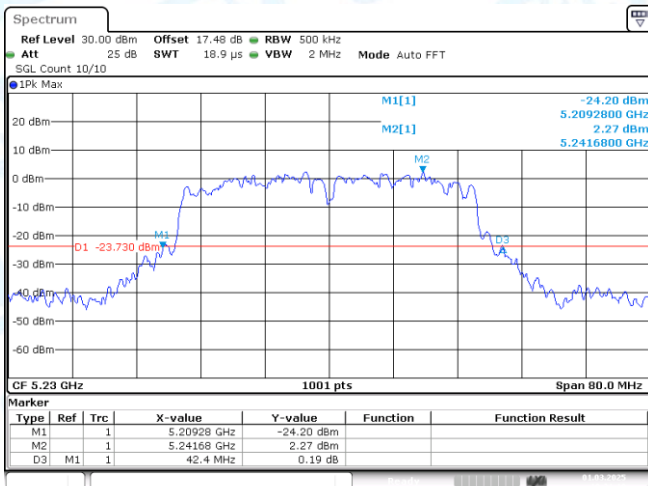
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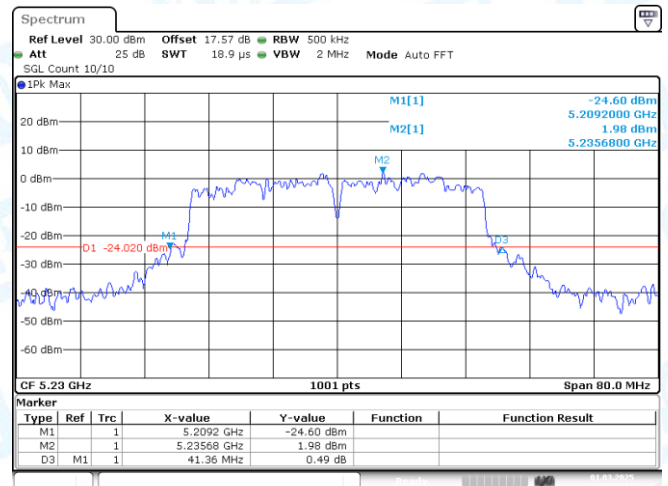
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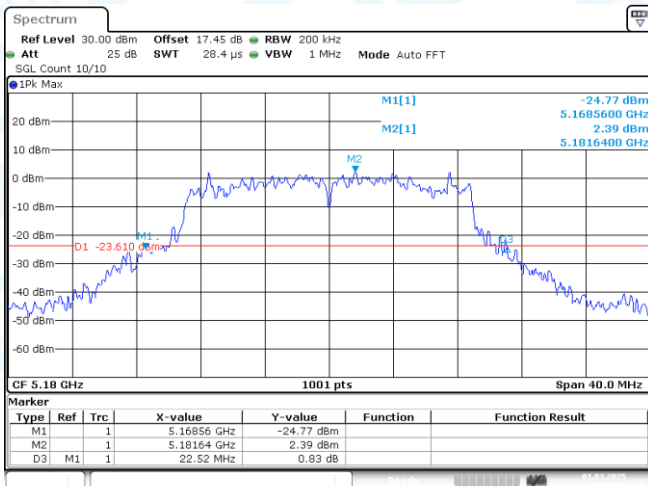
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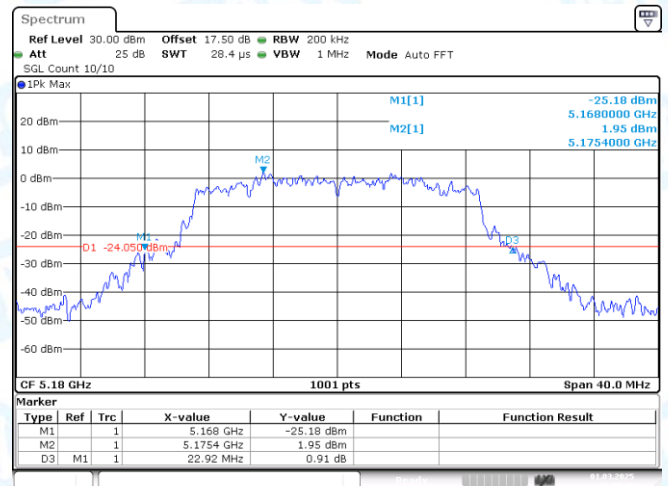
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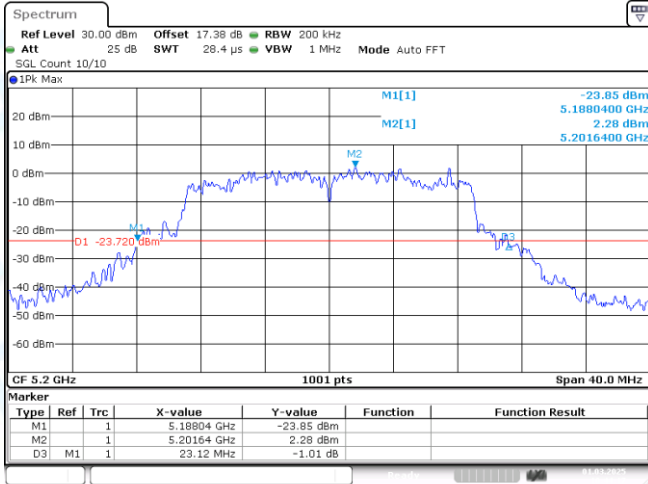
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11AC20MIMO-Ant1-5180



11AC20MIMO-Ant2-5180



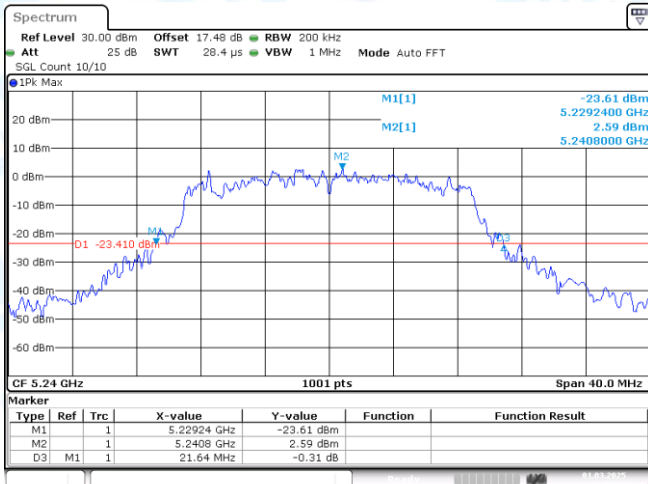
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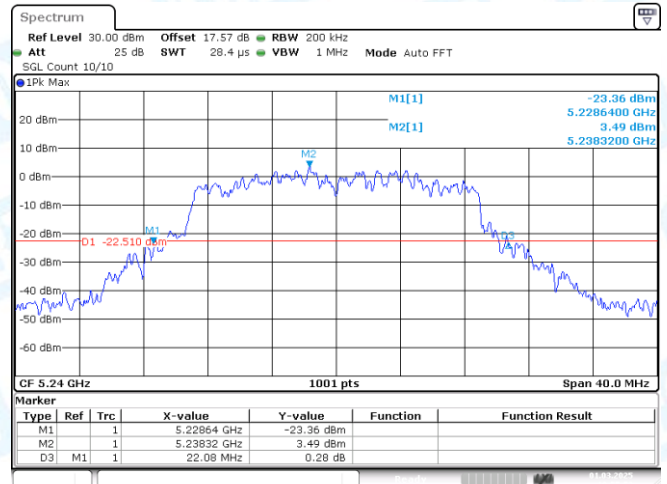
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11AC20MIMO-Ant1-5240



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11AC20MIMO-Ant2-5240



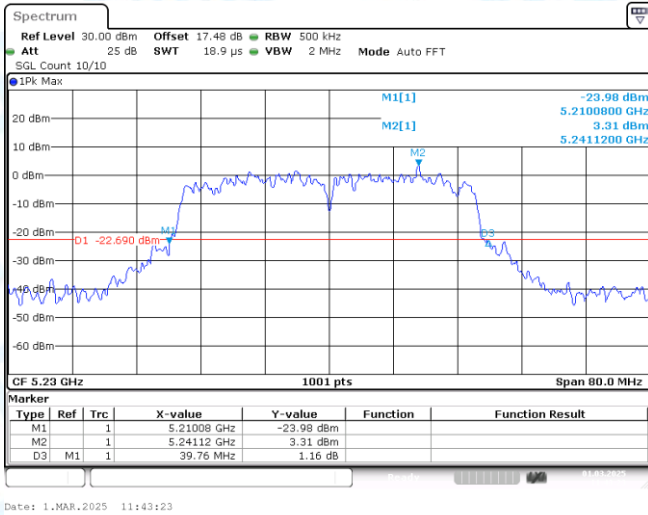
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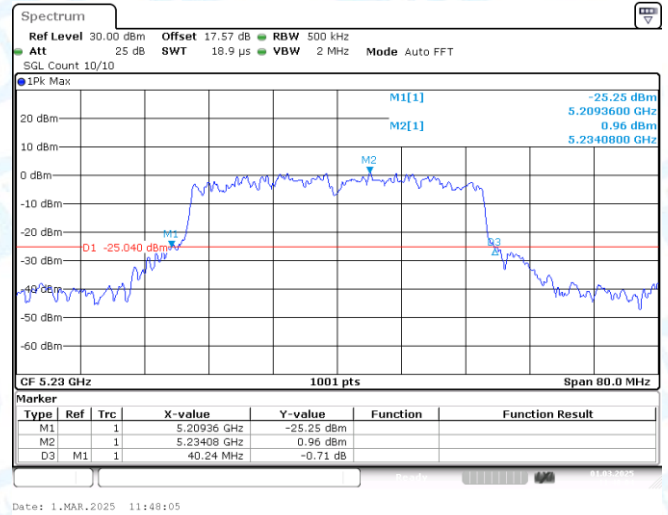


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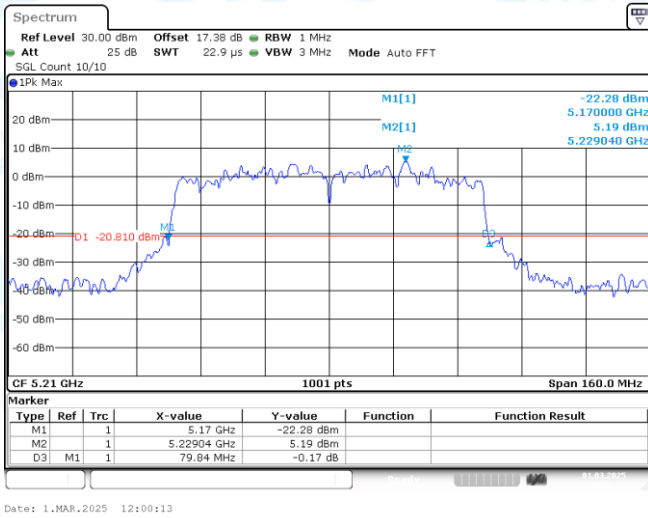
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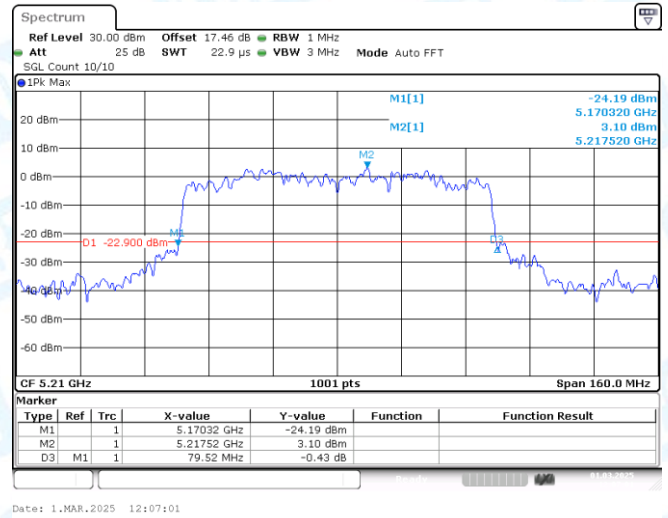
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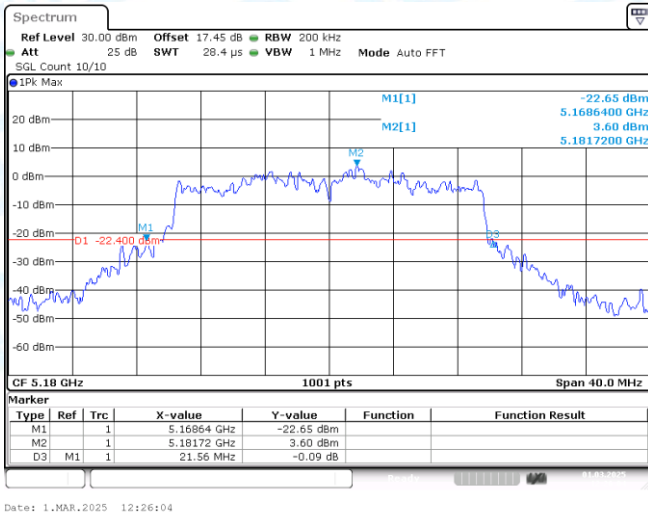
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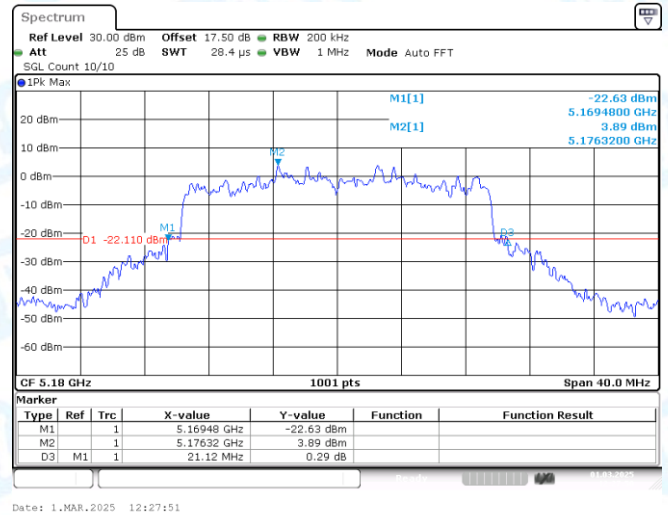
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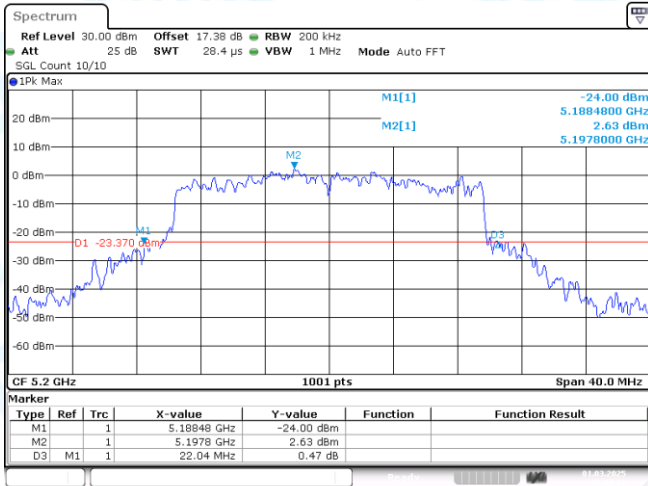
11AC80MIMO-Ant2-5210



11AX20MIMO-Ant1-5180



11AX20MIMO-Ant2-5180



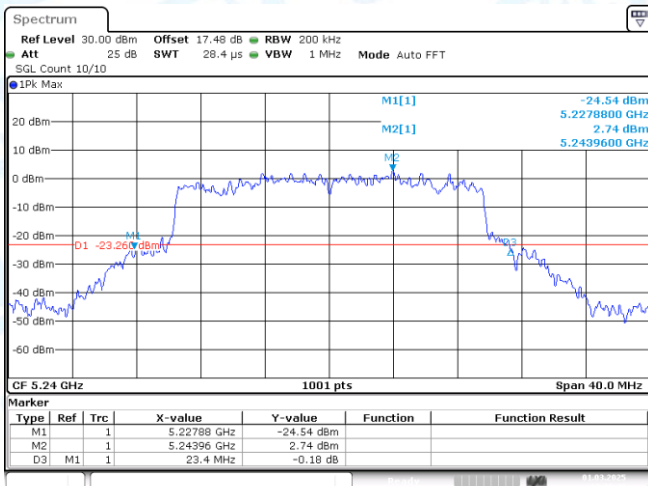
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11AX20MIMO-Ant1-5200



Date: 1.MAR.2025 12:31:16

11AX20MIMO-Ant2-5200



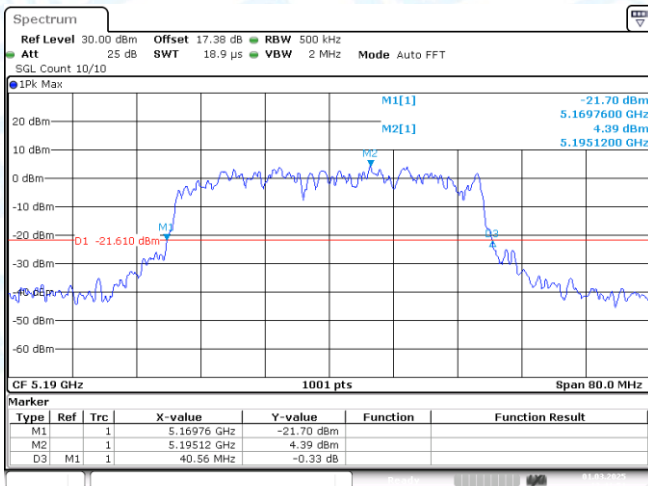
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11AX20MIMO-Ant1-5240



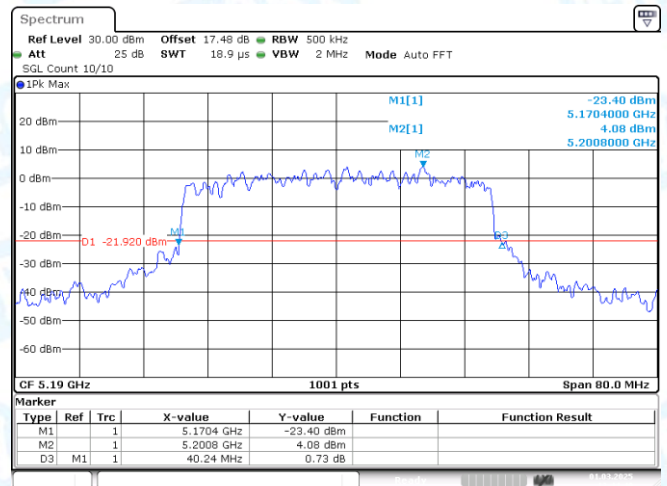
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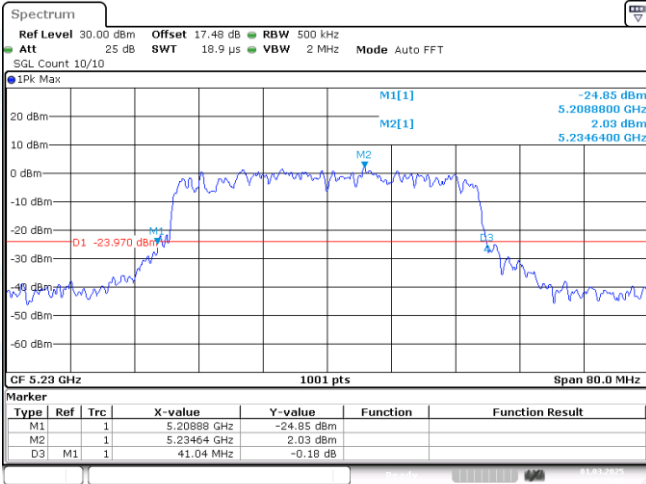
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11AX40MIMO-Ant1-5190

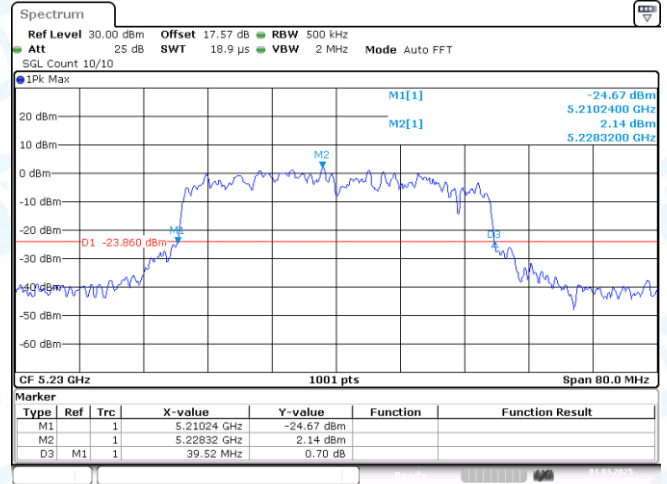


Date: 1.MAR.2025 12:44:49

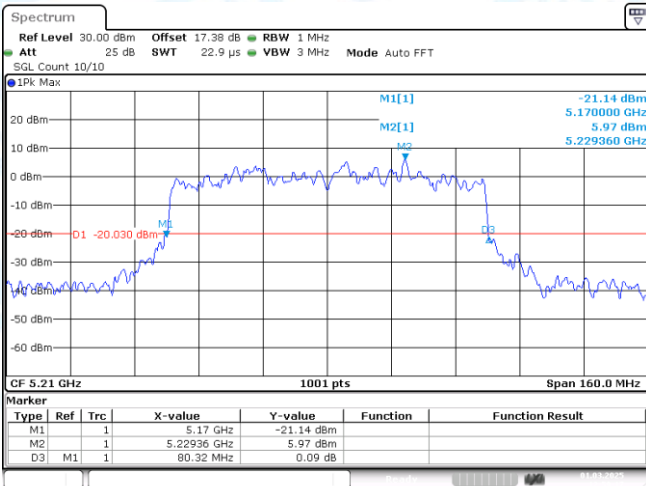
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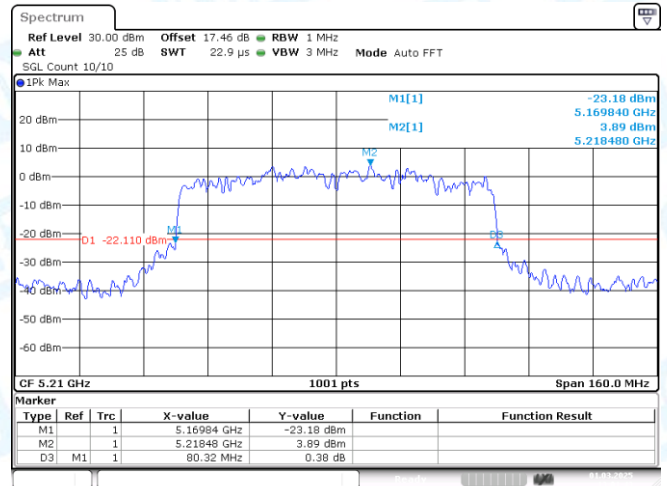
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11AX40MIMO-Ant2-5230



11AX80MIMO-Ant1-5210



11AX80MIMO-Ant2-5210

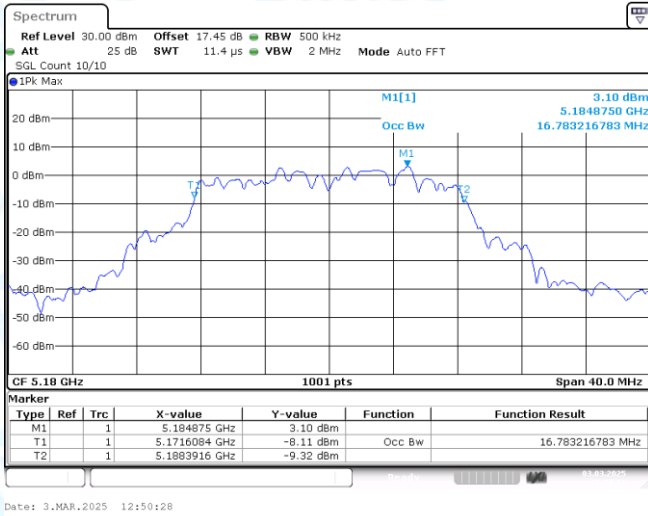
2: Occupied channel bandwidth

2.1 Test Result

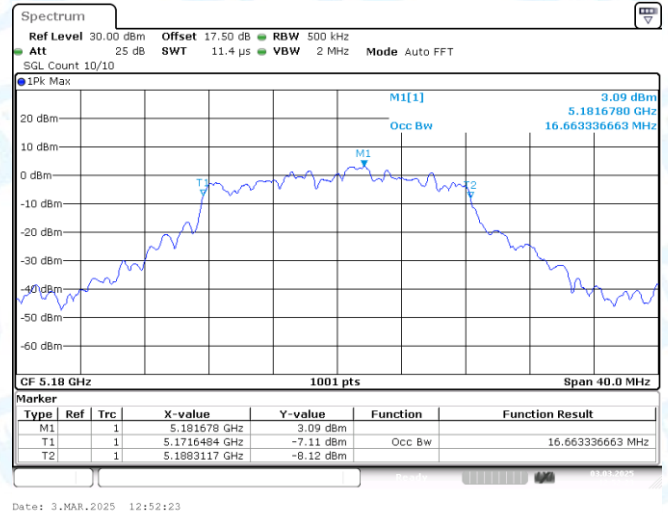
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5180	16.783	5171.6084	5188.3916	---	---
11A-CDD	Ant2	5180	16.663	5171.6484	5188.3117	---	---
11A-CDD	Ant1	5200	17.263	5191.7283	5208.9910	---	---
11A-CDD	Ant2	5200	16.983	5191.4086	5208.3916	---	---
11A-CDD	Ant1	5240	16.583	5231.7682	5248.3516	---	---
11A-CDD	Ant2	5240	16.384	5231.8482	5248.2318	---	---
11A-CDD	Ant1	5745	16.583	5736.7682	5753.3516	---	---
11A-CDD	Ant2	5745	16.543	5736.7682	5753.3117	---	---
11A-CDD	Ant1	5785	16.743	5776.6883	5793.4316	---	---
11A-CDD	Ant2	5785	16.783	5776.7283	5793.5115	---	---
11A-CDD	Ant1	5825	16.304	5816.8482	5833.1518	---	---
11A-CDD	Ant2	5825	17.023	5816.6883	5833.7113	---	---
11N20MIMO	Ant1	5180	17.702	5171.0889	5188.7912	---	---
11N20MIMO	Ant2	5180	17.742	5171.0889	5188.8312	---	---
11N20MIMO	Ant1	5200	18.142	5190.9690	5209.1109	---	---
11N20MIMO	Ant2	5200	17.622	5191.1289	5208.7512	---	---
11N20MIMO	Ant1	5240	17.622	5231.2088	5248.8312	---	---
11N20MIMO	Ant2	5240	17.942	5231.1289	5249.0709	---	---
11N20MIMO	Ant1	5745	17.902	5736.0490	5753.9510	---	---
11N20MIMO	Ant2	5745	17.742	5736.2088	5753.9510	---	---
11N20MIMO	Ant1	5785	17.822	5776.1289	5793.9510	---	---
11N20MIMO	Ant2	5785	17.822	5776.0889	5793.9111	---	---
11N20MIMO	Ant1	5825	17.702	5816.2088	5833.9111	---	---
11N20MIMO	Ant2	5825	17.782	5816.1688	5833.9510	---	---
11N40MIMO	Ant1	5190	35.964	5172.0180	5207.9820	---	---
11N40MIMO	Ant2	5190	36.284	5171.6983	5207.9820	---	---
11N40MIMO	Ant1	5230	36.523	5211.9381	5248.4615	---	---
11N40MIMO	Ant2	5230	36.204	5211.8581	5248.0619	---	---
11N40MIMO	Ant1	5755	36.044	5736.9381	5772.9820	---	---
11N40MIMO	Ant2	5755	35.884	5737.0979	5772.9820	---	---
11N40MIMO	Ant1	5795	35.964	5777.0180	5812.9820	---	---
11N40MIMO	Ant2	5795	36.204	5776.9381	5813.1419	---	---
11AC20MIMO	Ant1	5180	17.942	5171.0490	5188.9910	---	---
11AC20MIMO	Ant2	5180	17.742	5171.1688	5188.9111	---	---
11AC20MIMO	Ant1	5200	17.742	5191.0490	5208.7912	---	---
11AC20MIMO	Ant2	5200	17.662	5191.1289	5208.7912	---	---
11AC20MIMO	Ant1	5240	17.782	5231.1688	5248.9510	---	---
11AC20MIMO	Ant2	5240	17.782	5231.2088	5248.9910	---	---
11AC20MIMO	Ant1	5745	17.862	5736.1289	5753.9910	---	---
11AC20MIMO	Ant2	5745	17.902	5736.0889	5753.9910	---	---
11AC20MIMO	Ant1	5785	17.862	5776.2088	5794.0709	---	---

11AC20MIMO	Ant2	5785	17.742	5776.2088	5793.9510	---	---
11AC20MIMO	Ant1	5825	17.902	5815.9690	5833.8711	---	---
11AC20MIMO	Ant2	5825	17.622	5816.2488	5833.8711	---	---
11AC40MIMO	Ant1	5190	36.284	5171.7782	5208.0619	---	---
11AC40MIMO	Ant2	5190	36.204	5171.9381	5208.1419	---	---
11AC40MIMO	Ant1	5230	36.124	5211.9381	5248.0619	---	---
11AC40MIMO	Ant2	5230	36.204	5211.8581	5248.0619	---	---
11AC40MIMO	Ant1	5755	36.523	5736.6184	5773.1419	---	---
11AC40MIMO	Ant2	5755	36.044	5736.9381	5772.9820	---	---
11AC40MIMO	Ant1	5795	35.804	5777.0180	5812.8222	---	---
11AC40MIMO	Ant2	5795	36.124	5777.0180	5813.1419	---	---
11AC80MIMO	Ant1	5210	75.125	5172.7572	5247.8821	---	---
11AC80MIMO	Ant2	5210	76.084	5172.2777	5248.3616	---	---
11AC80MIMO	Ant1	5775	75.445	5737.2777	5812.7223	---	---
11AC80MIMO	Ant2	5775	75.764	5737.1179	5812.8821	---	---
11AX20MIMO	Ant1	5180	18.741	5170.5295	5189.2707	---	---
11AX20MIMO	Ant2	5180	18.861	5170.4895	5189.3506	---	---
11AX20MIMO	Ant1	5200	18.981	5190.4496	5209.4306	---	---
11AX20MIMO	Ant2	5200	18.901	5190.4895	5209.3906	---	---
11AX20MIMO	Ant1	5240	18.701	5230.5295	5249.2308	---	---
11AX20MIMO	Ant2	5240	18.741	5230.6494	5249.3906	---	---
11AX20MIMO	Ant1	5745	18.941	5735.5694	5754.5105	---	---
11AX20MIMO	Ant2	5745	18.781	5735.6893	5754.4705	---	---
11AX20MIMO	Ant1	5785	18.981	5775.4895	5794.4705	---	---
11AX20MIMO	Ant2	5785	18.861	5775.6094	5794.4705	---	---
11AX20MIMO	Ant1	5825	19.181	5815.4895	5834.6703	---	---
11AX20MIMO	Ant2	5825	18.901	5815.5694	5834.4705	---	---
11AX40MIMO	Ant1	5190	37.163	5171.5385	5208.7013	---	---
11AX40MIMO	Ant2	5190	37.642	5171.2188	5208.8611	---	---
11AX40MIMO	Ant1	5230	37.483	5211.2188	5248.7013	---	---
11AX40MIMO	Ant2	5230	37.722	5211.0589	5248.7812	---	---
11AX40MIMO	Ant1	5755	37.882	5736.1389	5774.0210	---	---
11AX40MIMO	Ant2	5755	37.962	5735.8991	5773.8611	---	---
11AX40MIMO	Ant1	5795	37.483	5776.2188	5813.7013	---	---
11AX40MIMO	Ant2	5795	37.323	5776.3786	5813.7013	---	---
11AX80MIMO	Ant1	5210	75.764	5172.4376	5248.2018	---	---
11AX80MIMO	Ant2	5210	77.203	5171.1588	5248.3616	---	---
11AX80MIMO	Ant1	5775	75.445	5736.9580	5812.4026	---	---
11AX80MIMO	Ant2	5775	76.084	5736.7982	5812.8821	---	---

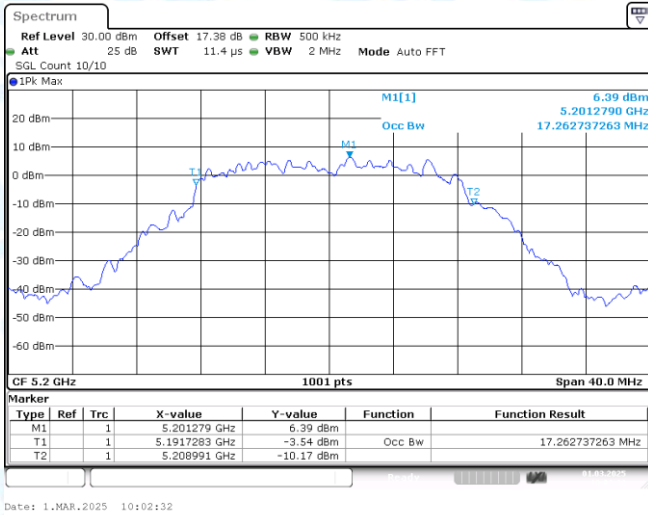
2.2 Test Graphs



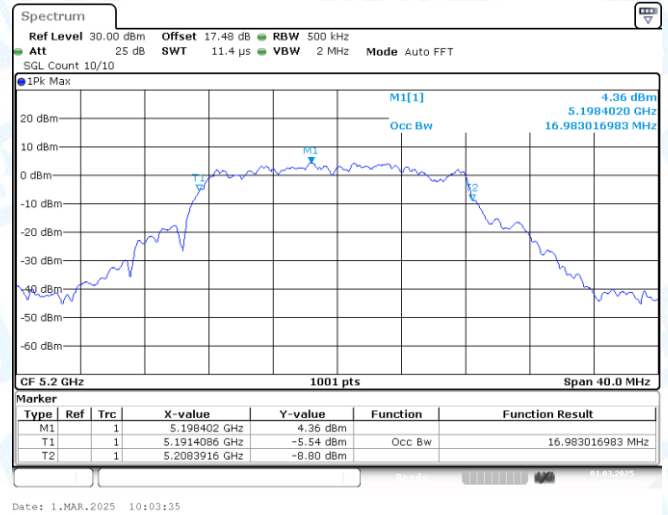
11A-CDD-Ant1-5180



11A-CDD-Ant2-5180



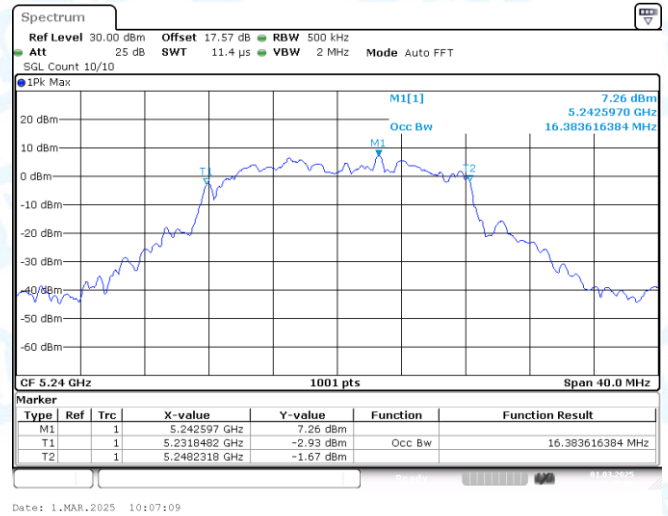
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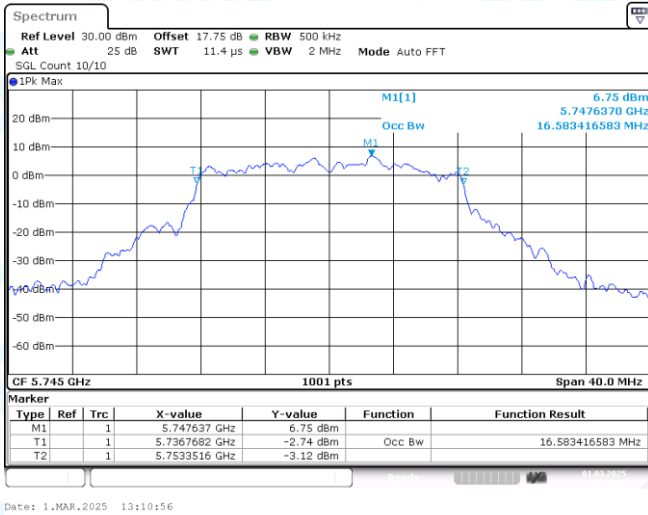
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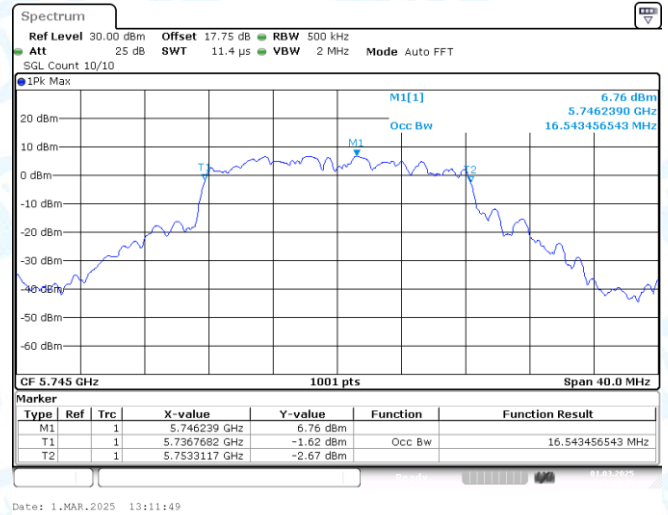
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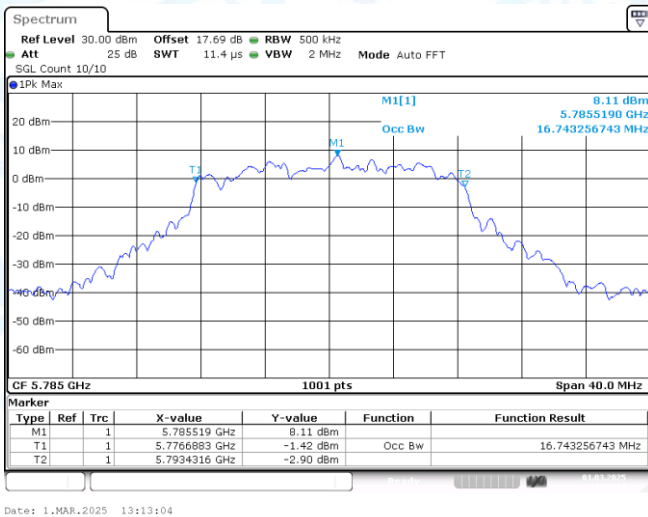
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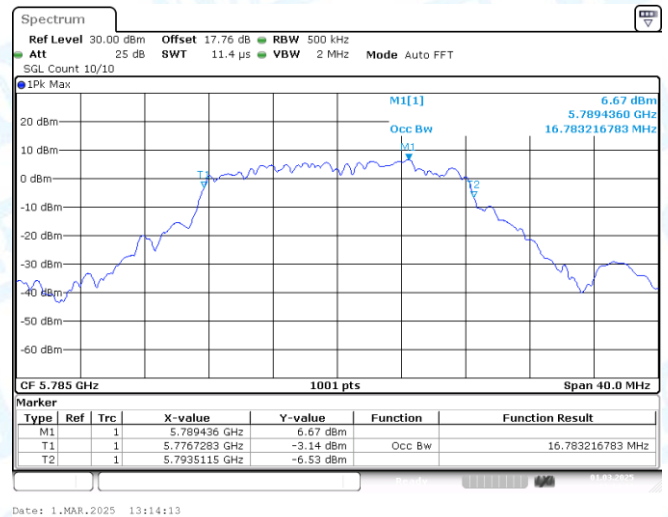
11A-CDD-Ant1-5745



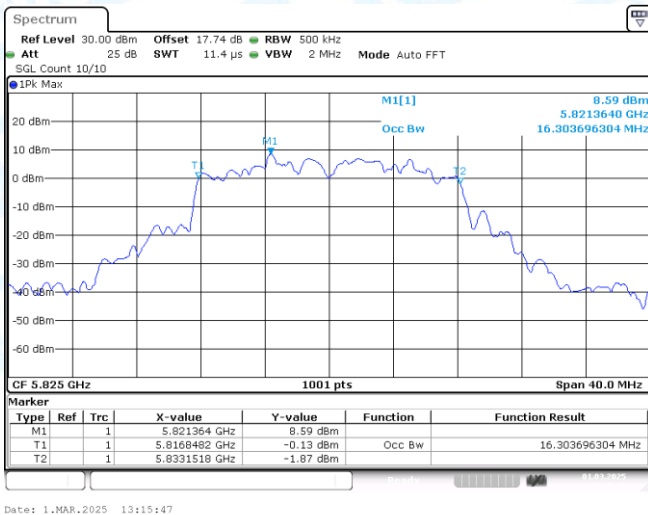
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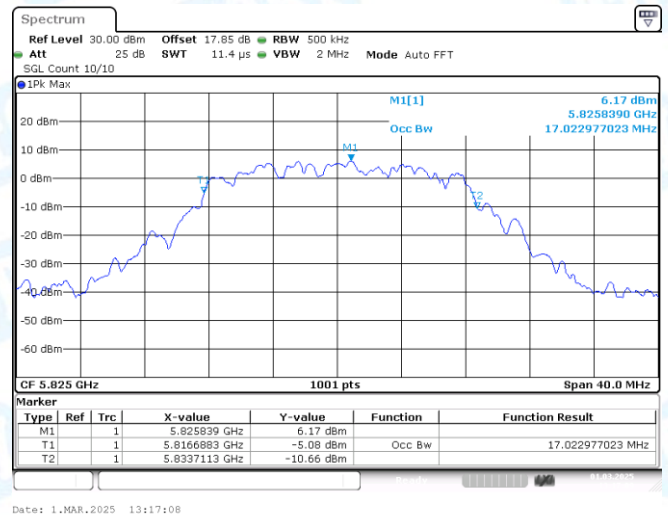
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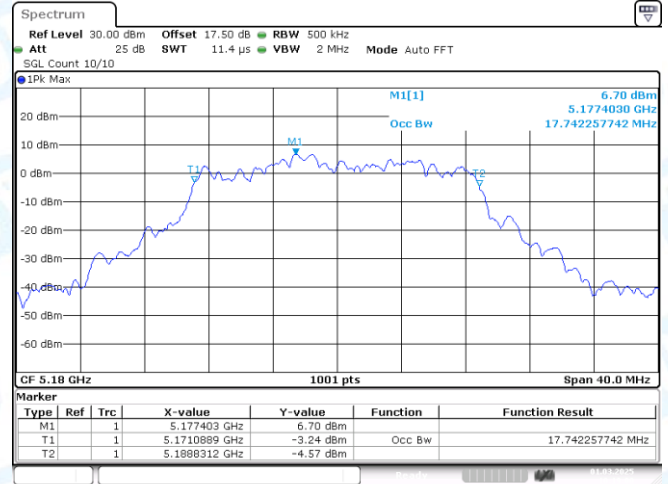
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11A-CDD-Ant1-5825



11A-CDD-Ant2-5825

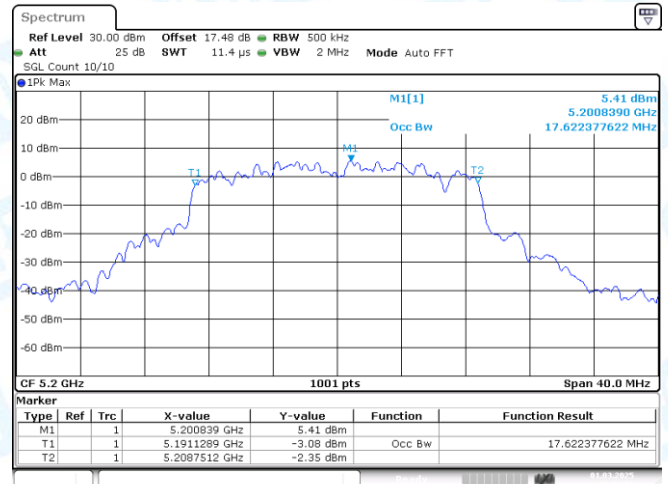
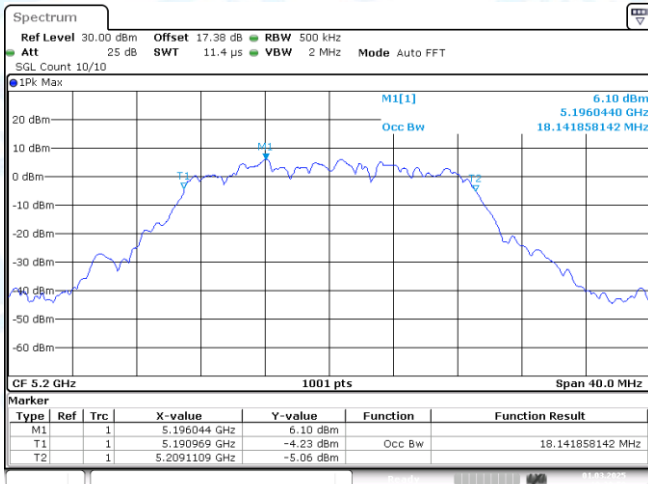


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Date: 1.MAR.2025 10:19:00

11N20MIMO-Ant1-5180

11N20MIMO-Ant2-5180

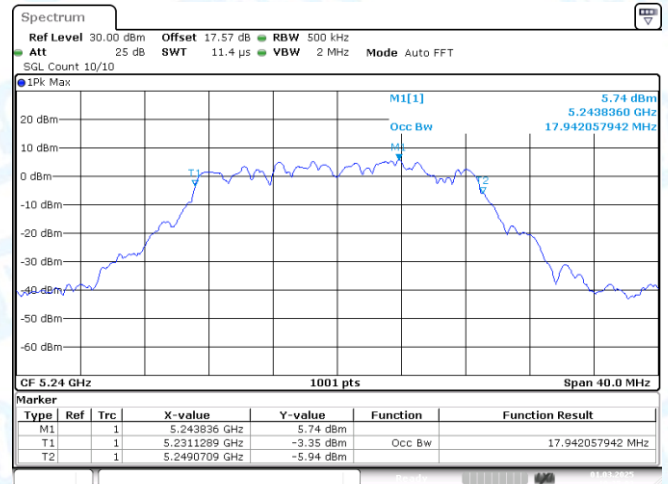
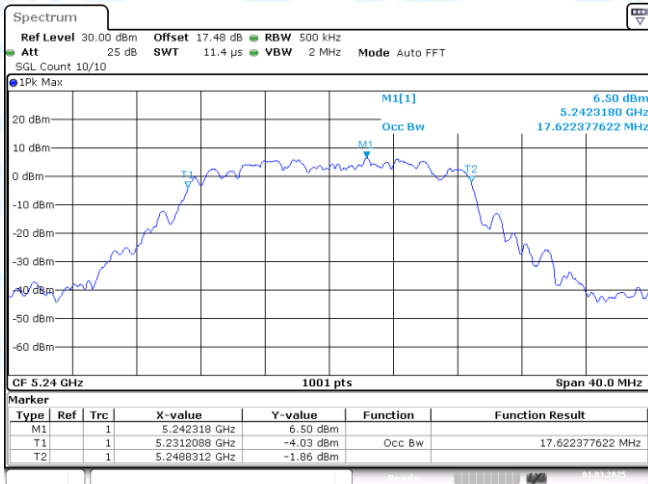


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11N20MIMO-Ant1-5200

11N20MIMO-Ant2-5200

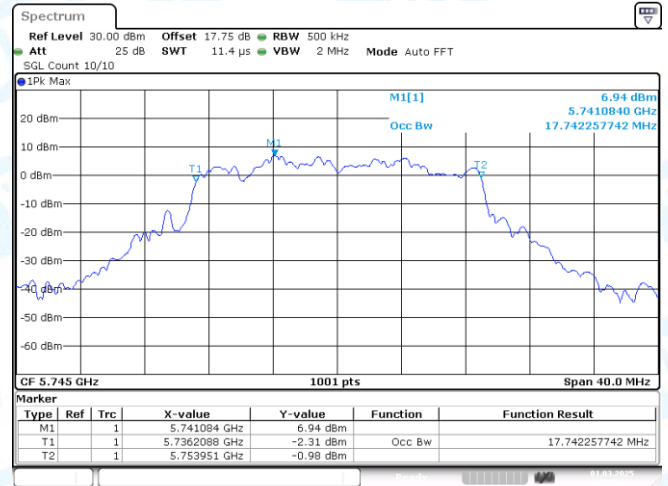
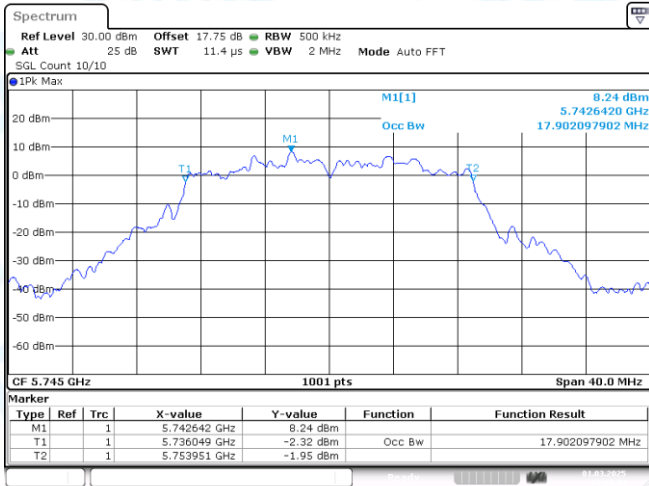


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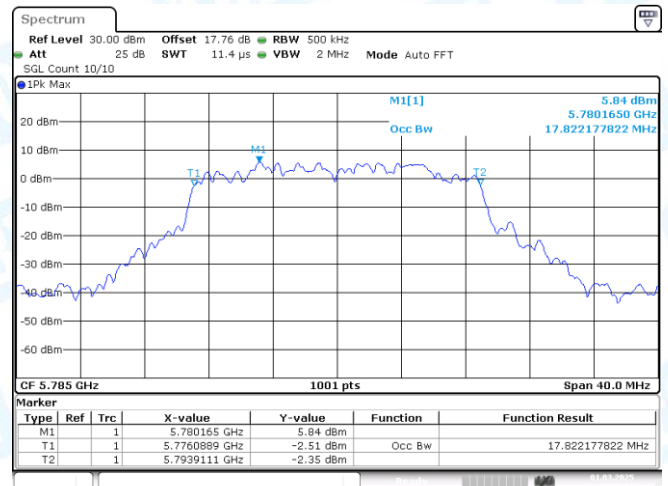
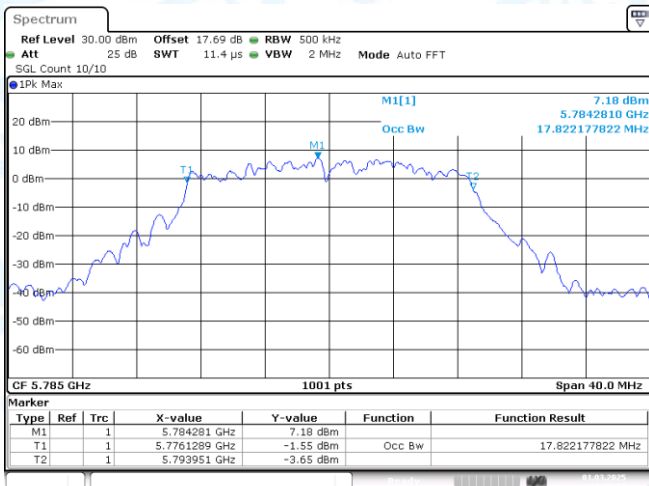
11N20MIMO-Ant1-5240

11N20MIMO-Ant2-5240



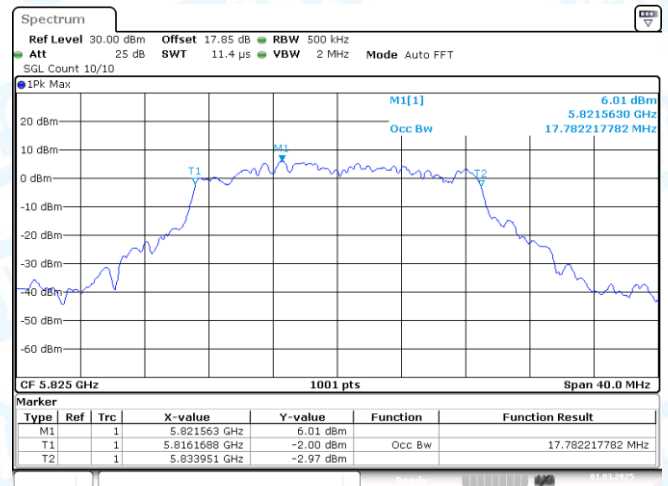
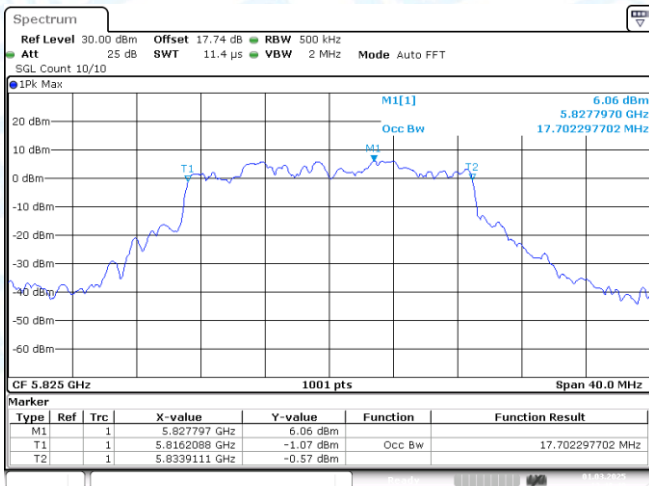
11N20MIMO-Ant1-5745

11N20MIMO-Ant2-5745



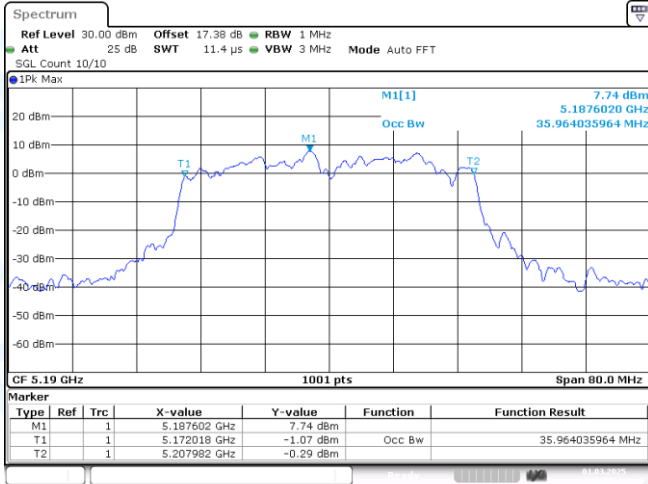
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11N20MIMO-Ant2-5785

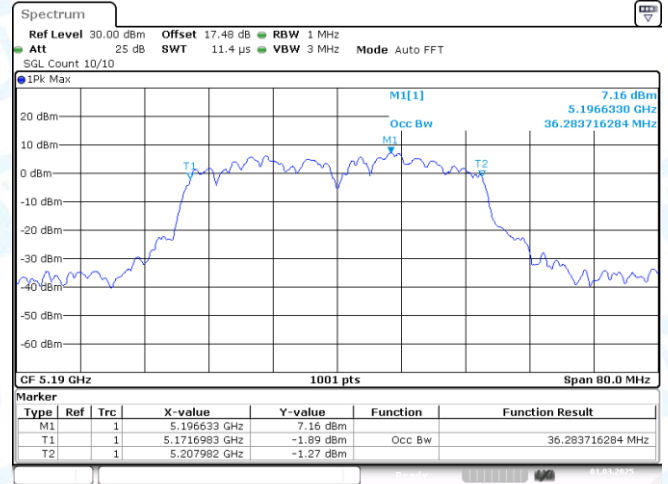


11N20MIMO-Ant1-5825

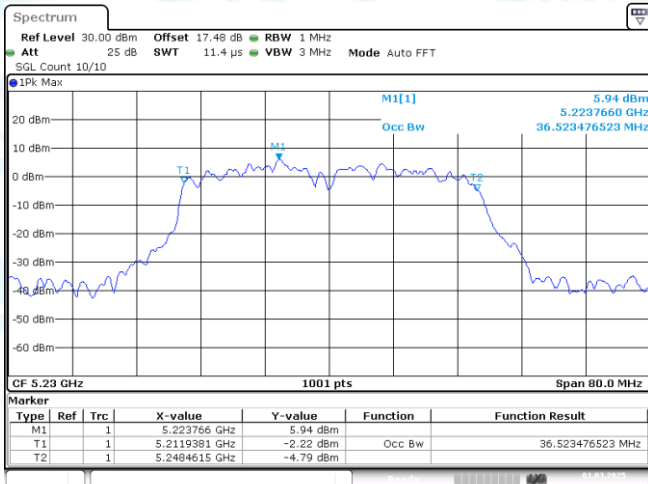
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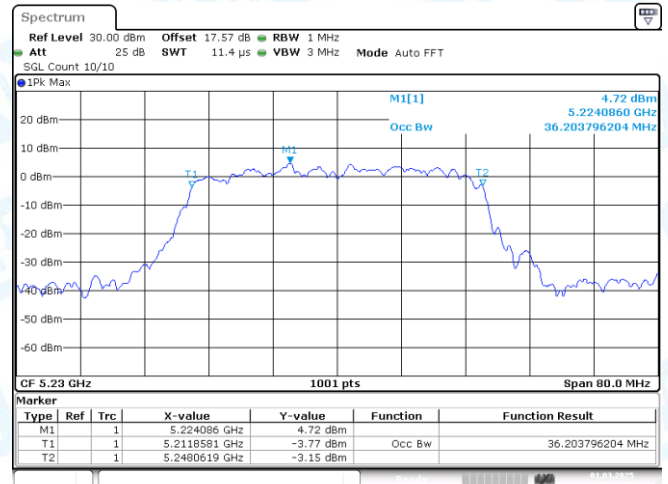
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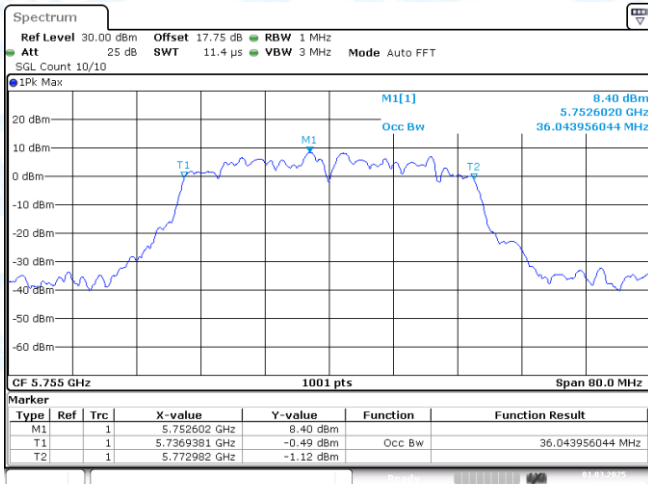
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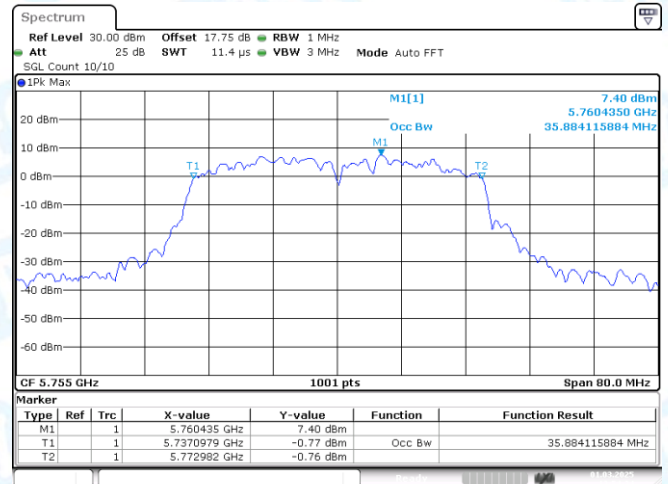
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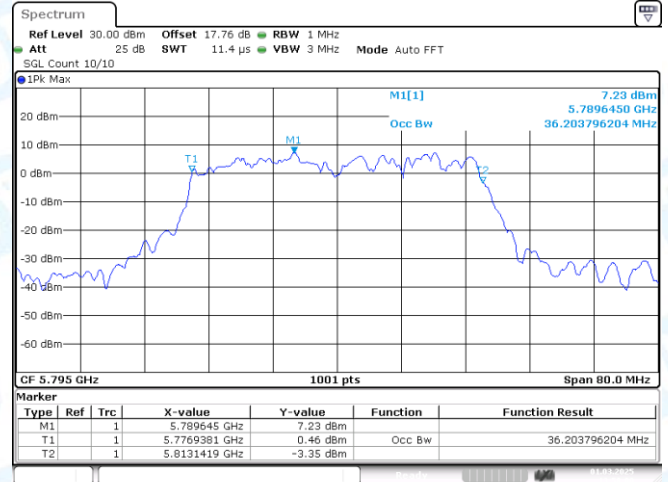
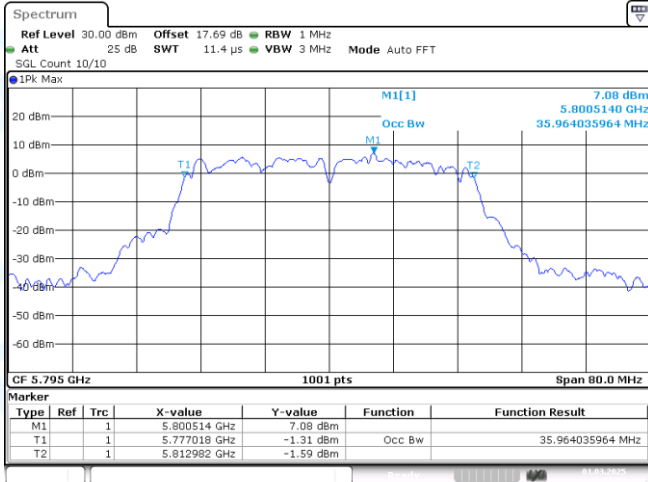
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11N40MIMO-Ant1-5755

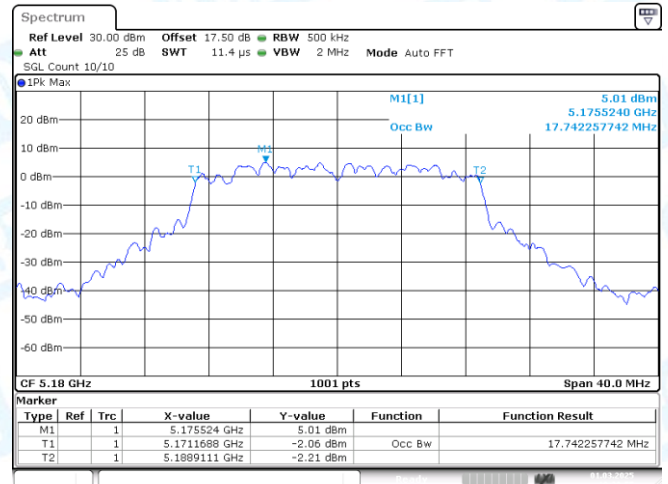
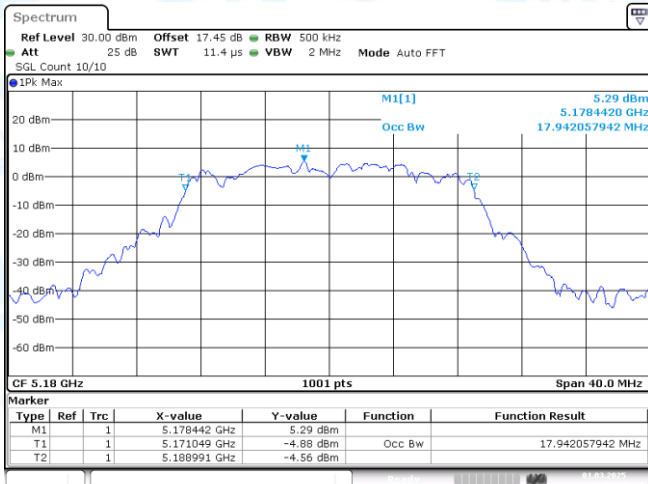


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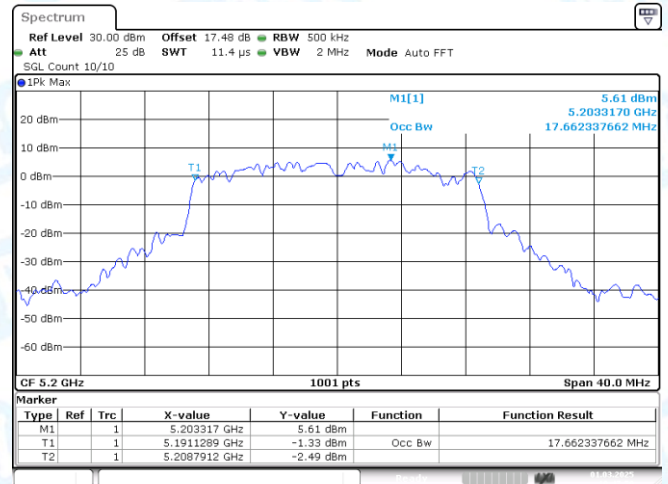
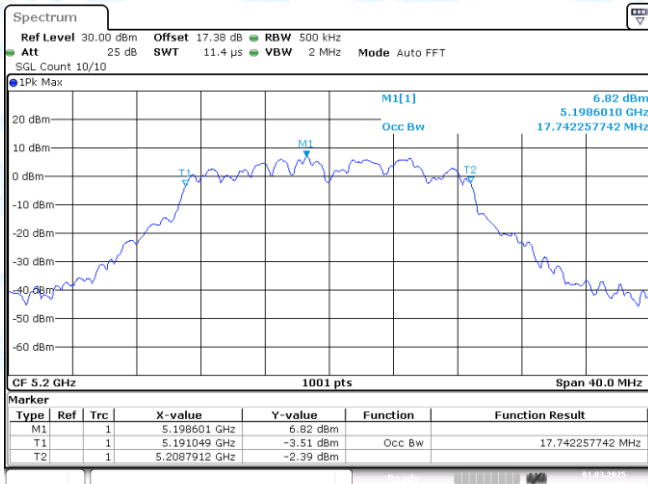
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11N40MIMO-Ant2-5795



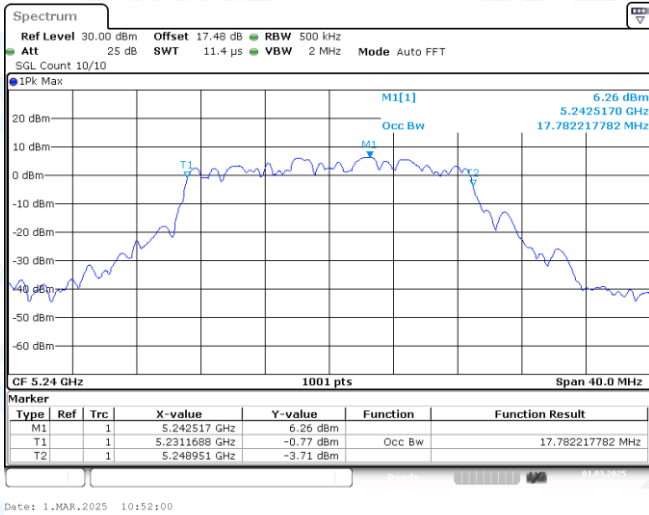
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11AC20MIMO-Ant2-5180

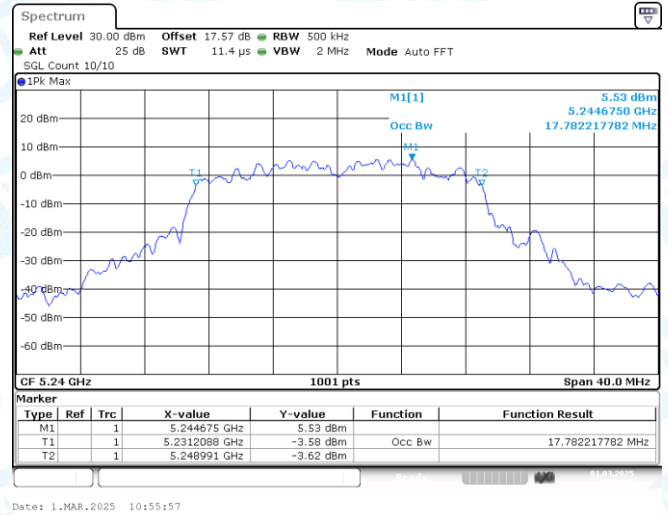


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11AC20MIMO-Ant2-5200



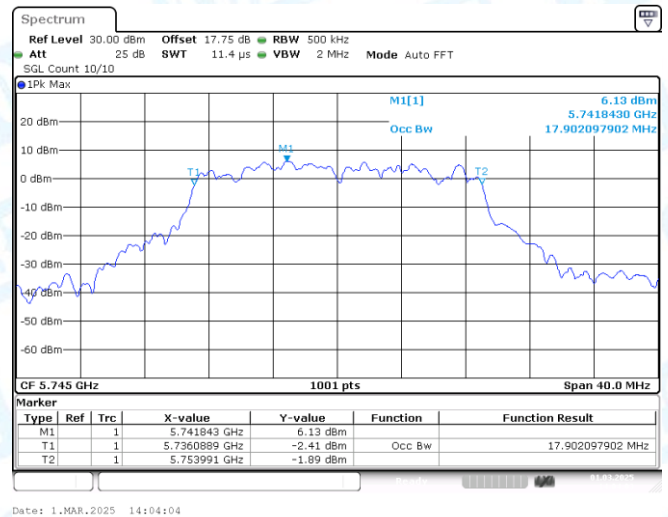
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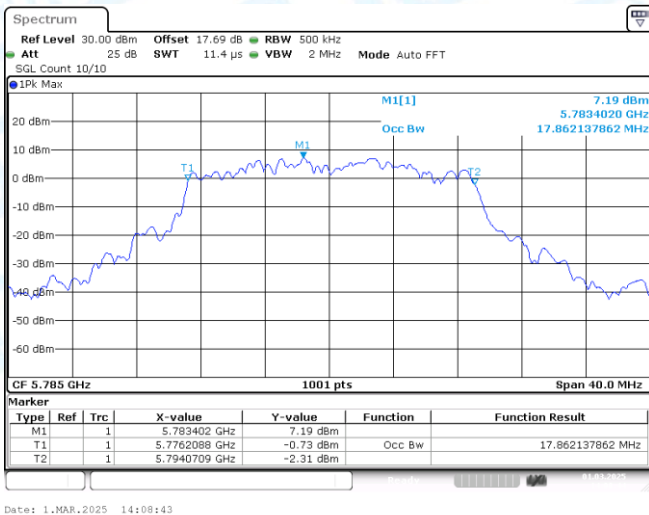
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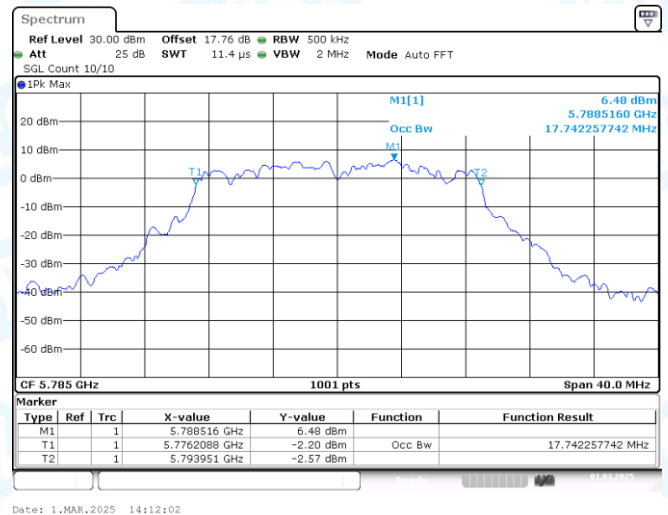
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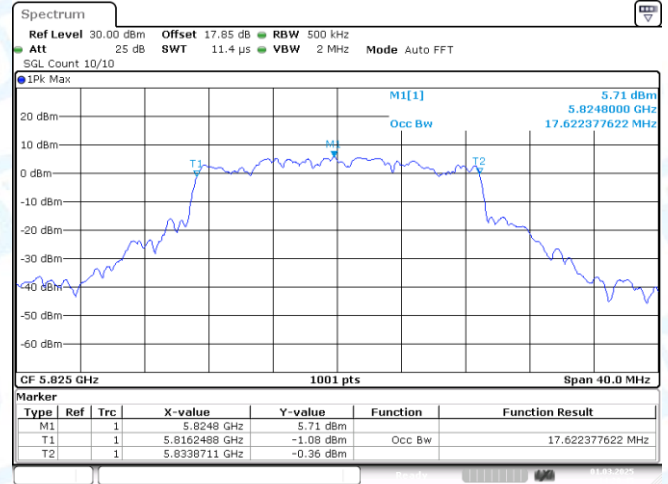
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11AC20MIMO-Ant1-5785

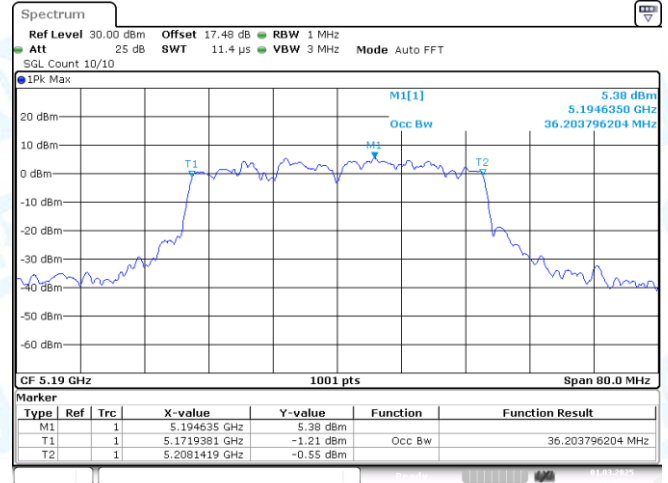
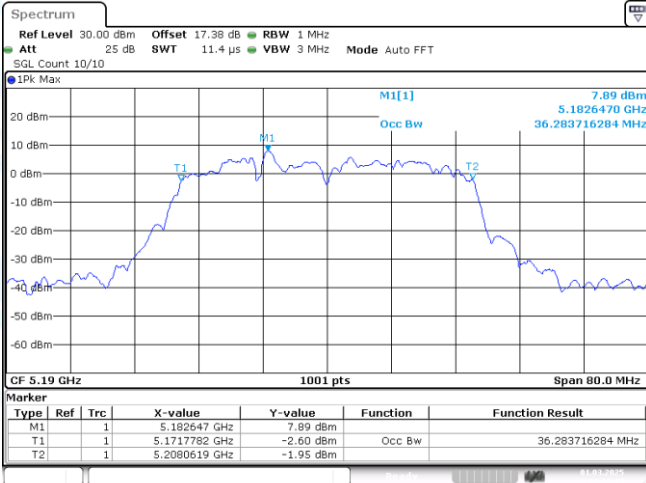


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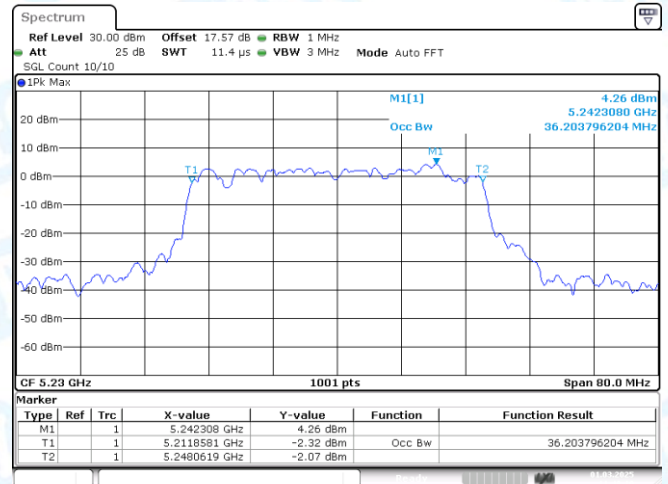
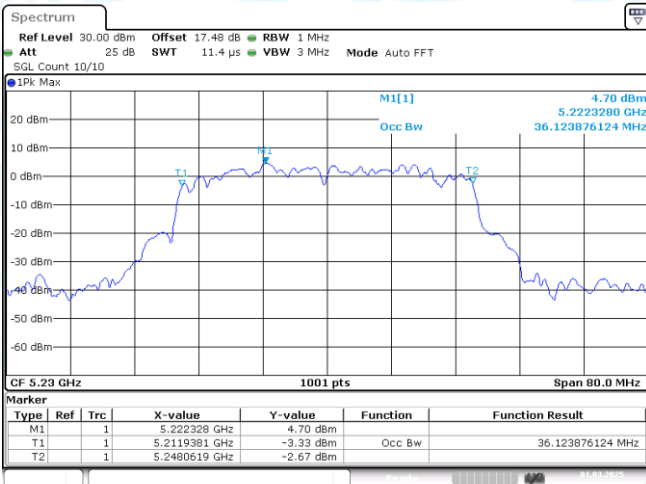
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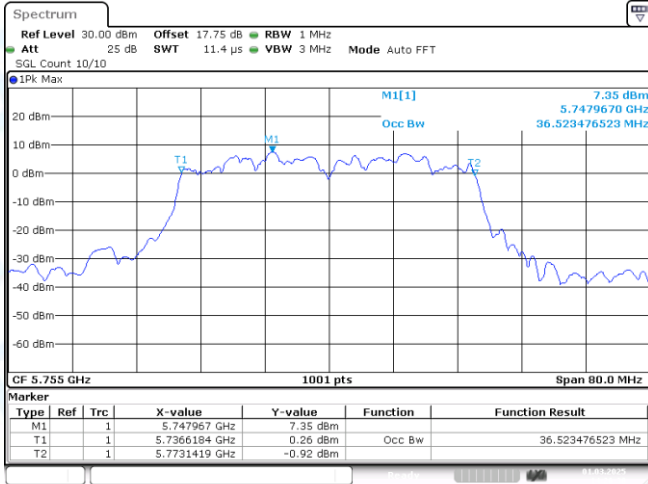
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11AC40MIMO-Ant2-5190



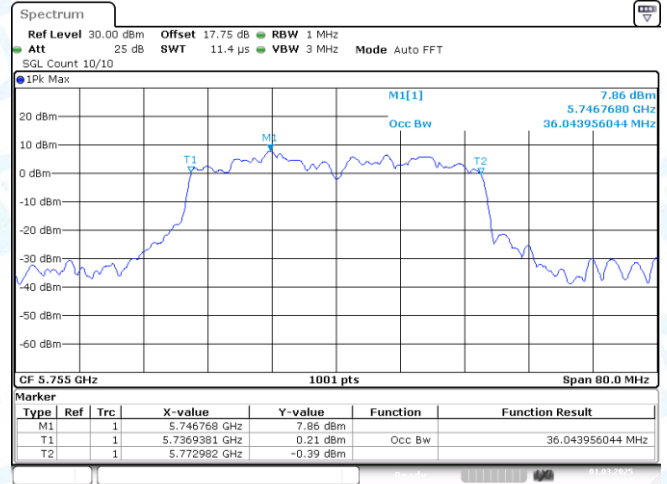
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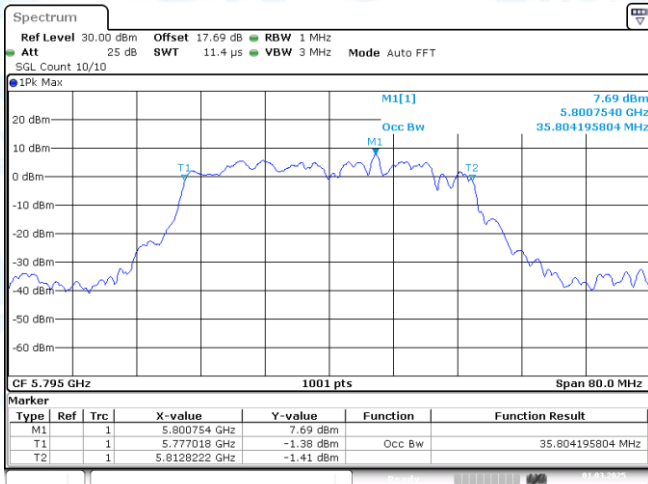
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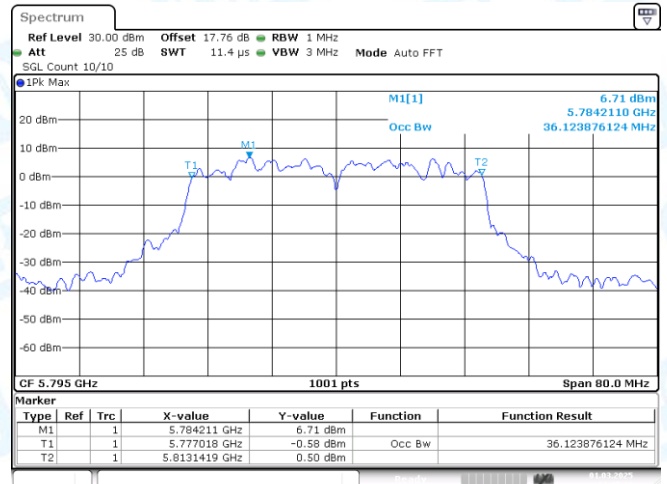
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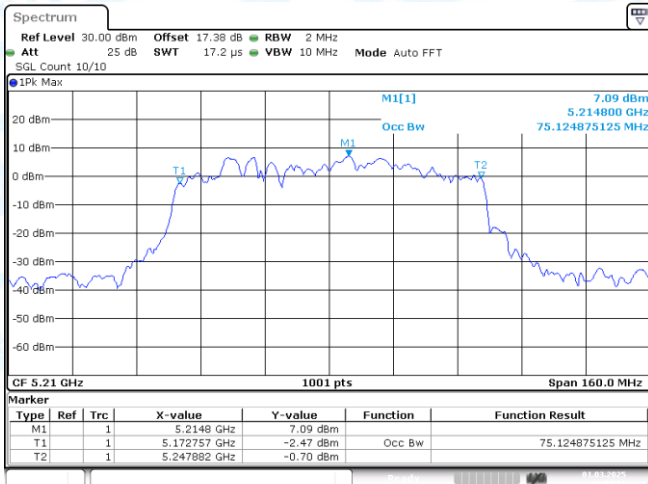
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11AC40MIMO-Ant1-5795



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11AC40MIMO-Ant2-5795



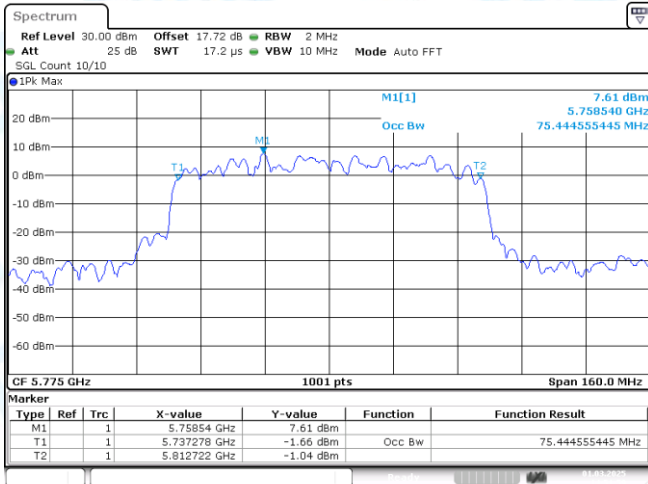
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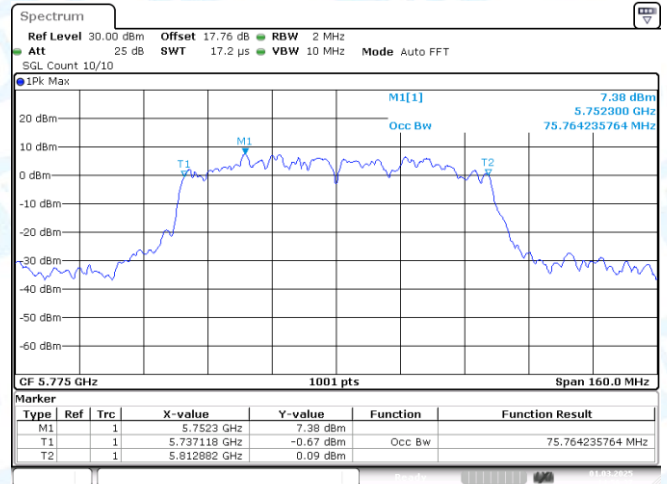
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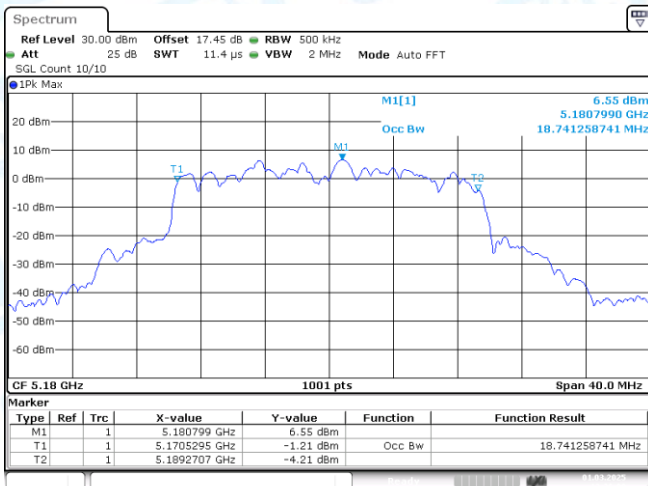
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11AC80MIMO-Ant1-5775



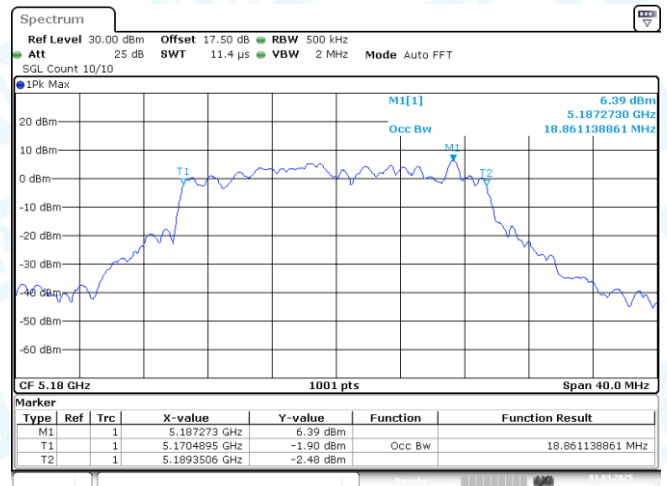
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11AC80MIMO-Ant2-5775



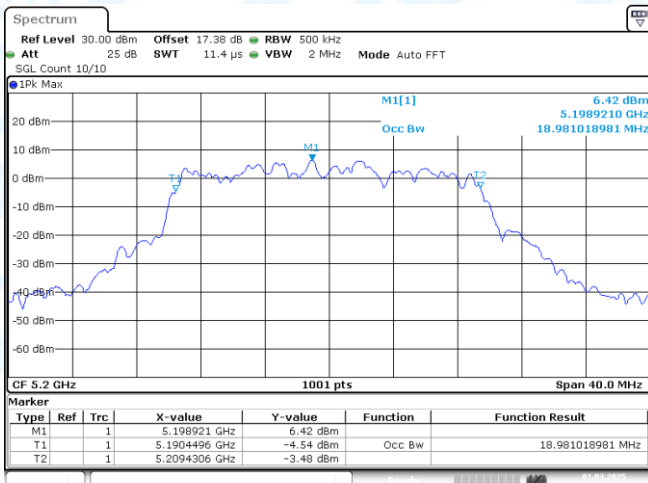
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11AX20MIMO-Ant1-5180



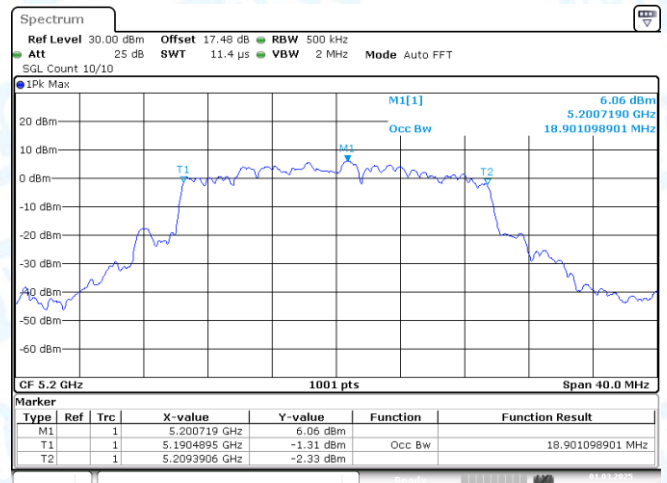
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11AX20MIMO-Ant2-5180



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11AX20MIMO-Ant1-5200



Date: 1.MAR.2025 12:31:21

11AX20MIMO-Ant2-5200