

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

General Description of EUT	
EUT Name:	Mobile Lidar Scanner
Model:	Lixel L2 Pro-16/120
Sample ID:	HC-C-202409-0005-5-01
Test Standard:	FCC Part 15.407
Environmental Conditions	
Ambient Temperature:	25.2°C
Ambient Humidity:	45%RH
Test Power Supply:	DC 14.4V
Test Engineer:	Jolin.li
Note: For a more detailed features description, please refer to the report TBR-C-202409-0005-113.	

Contents

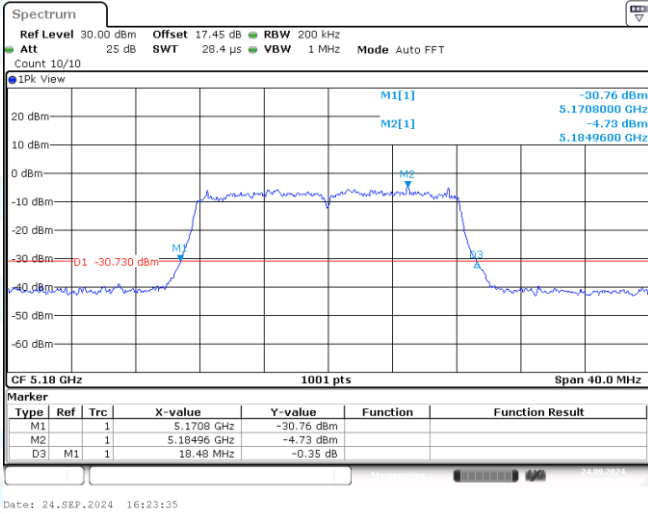
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1: Emission Bandwidth

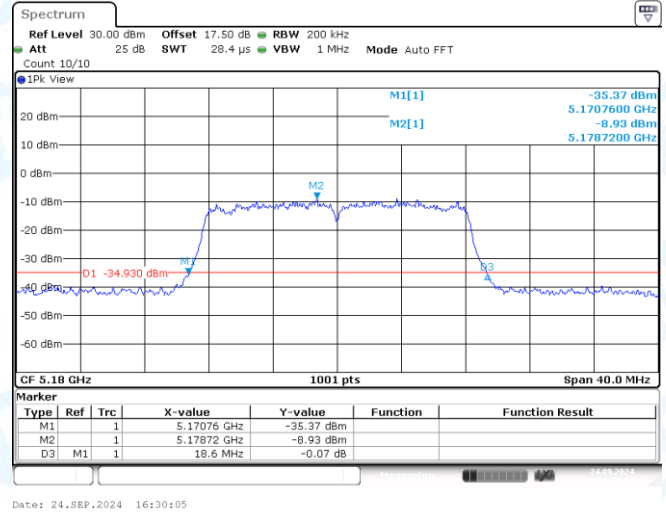
1.1 Test Result

TestMode	Antenna	Frequency[MHz]	26dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5180	18.48	5170.80	5189.28	---	---
11A-CDD	Ant2	5180	18.60	5170.76	5189.36	---	---
11A-CDD	Ant1	5200	18.32	5190.88	5209.20	---	---
11A-CDD	Ant2	5200	18.40	5190.84	5209.24	---	---
11A-CDD	Ant1	5240	18.40	5230.72	5249.12	---	---
11A-CDD	Ant2	5240	18.44	5230.80	5249.24	---	---
11N20MIMO	Ant1	5180	19.32	5170.36	5189.68	---	---
11N20MIMO	Ant2	5180	19.52	5170.24	5189.76	---	---
11N20MIMO	Ant1	5200	19.36	5190.32	5209.68	---	---
11N20MIMO	Ant2	5200	19.40	5190.36	5209.76	---	---
11N20MIMO	Ant1	5240	19.48	5230.20	5249.68	---	---
11N20MIMO	Ant2	5240	19.60	5230.24	5249.84	---	---
11N40MIMO	Ant1	5190	40.96	5169.44	5210.40	---	---
11N40MIMO	Ant2	5190	41.92	5169.36	5211.28	---	---
11N40MIMO	Ant1	5230	41.44	5209.36	5250.80	---	---
11N40MIMO	Ant2	5230	41.36	5209.28	5250.64	---	---
11AC20MIMO	Ant1	5180	22.96	5170.24	5193.20	---	---
11AC20MIMO	Ant2	5180	19.24	5170.40	5189.64	---	---
11AC20MIMO	Ant1	5200	19.40	5190.24	5209.64	---	---
11AC20MIMO	Ant2	5200	19.52	5190.20	5209.72	---	---
11AC20MIMO	Ant1	5240	19.48	5230.20	5249.68	---	---
11AC20MIMO	Ant2	5240	19.56	5230.20	5249.76	---	---
11AC40MIMO	Ant1	5190	41.52	5169.36	5210.88	---	---
11AC40MIMO	Ant2	5190	40.96	5169.60	5210.56	---	---
11AC40MIMO	Ant1	5230	41.52	5209.12	5250.64	---	---
11AC40MIMO	Ant2	5230	41.68	5209.36	5251.04	---	---
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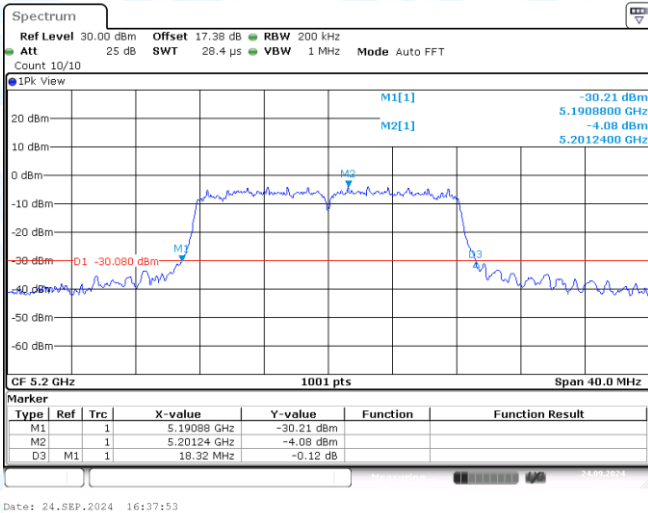
1.2 Test Graphs



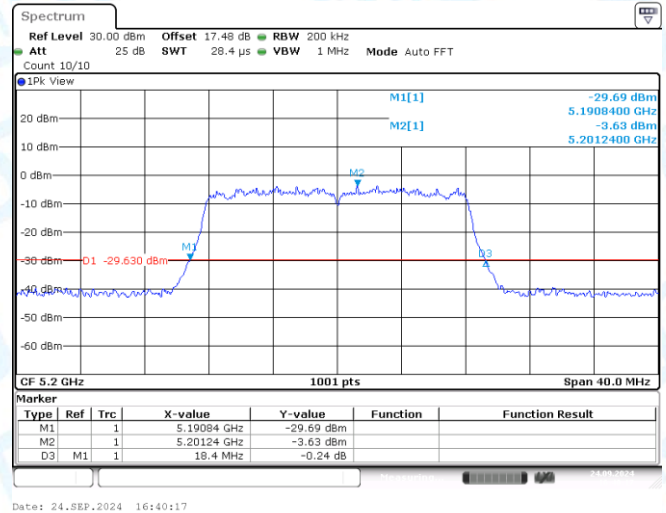
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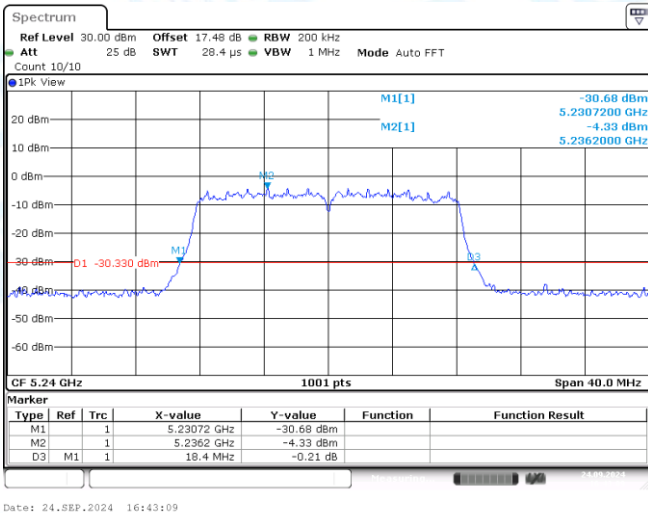
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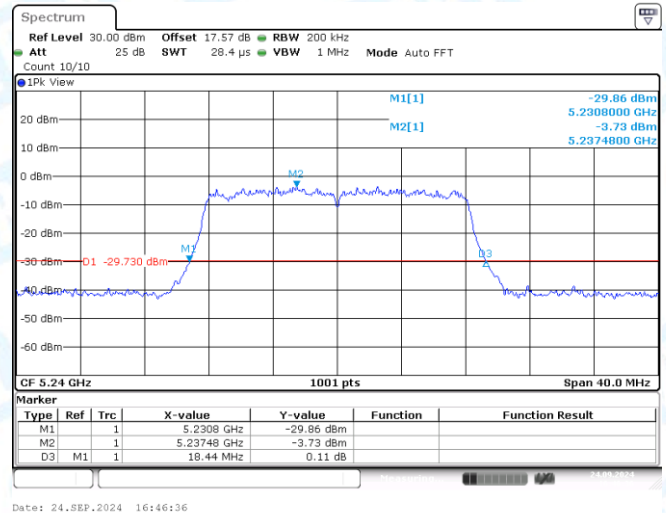
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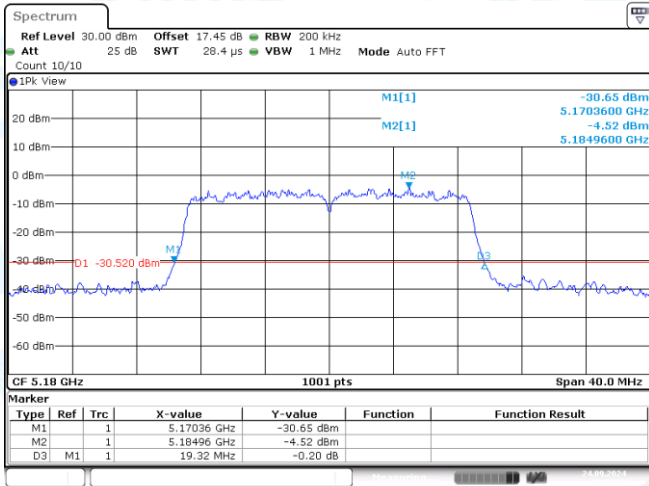
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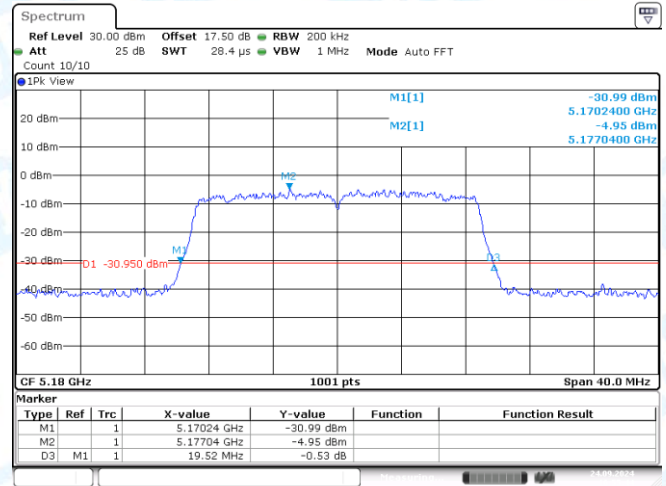
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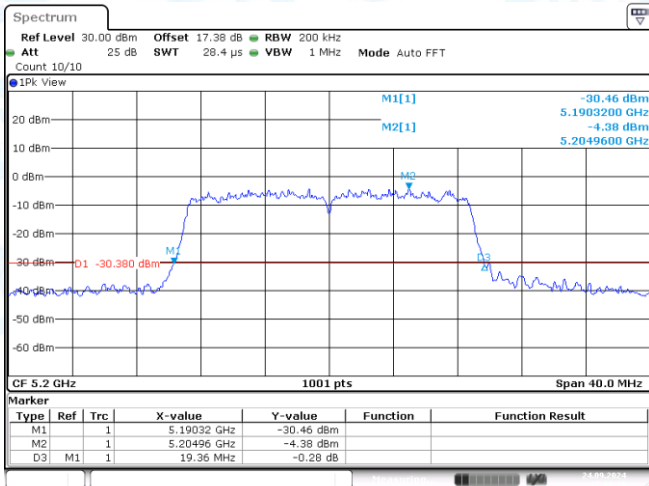
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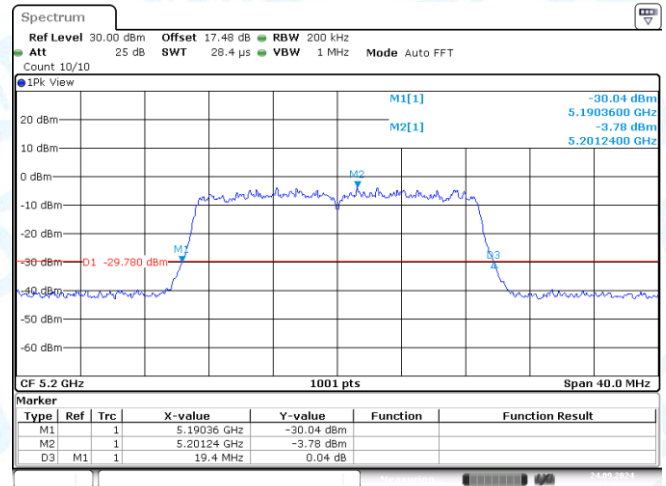
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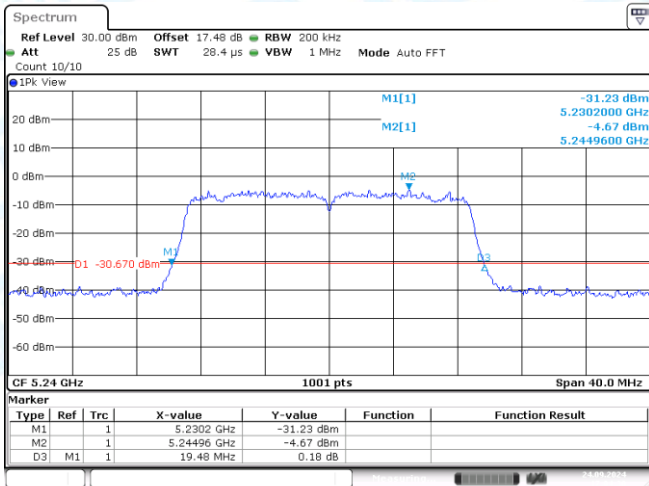
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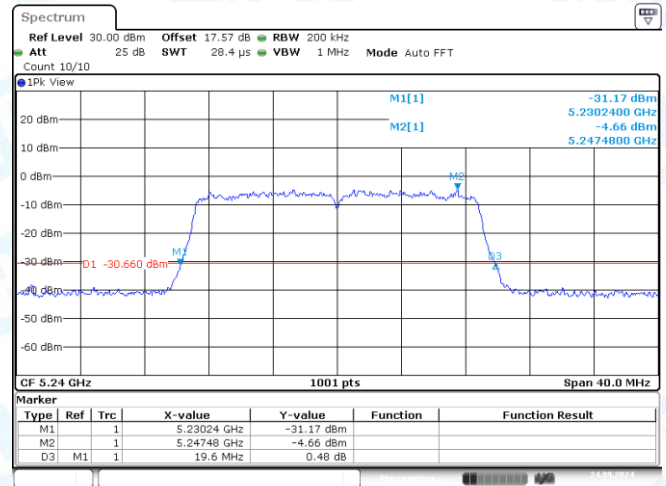
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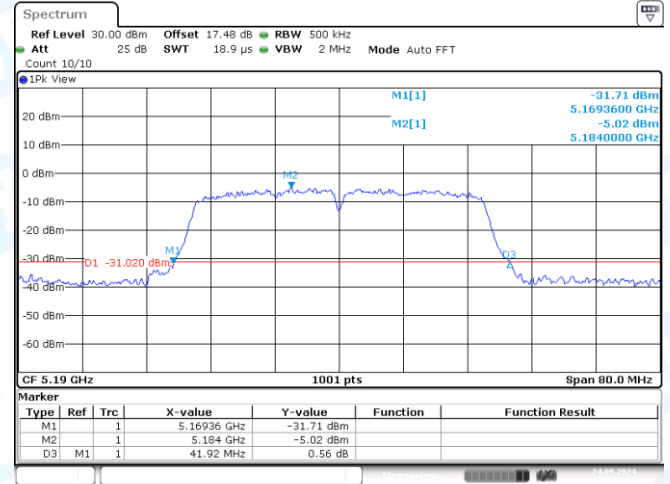
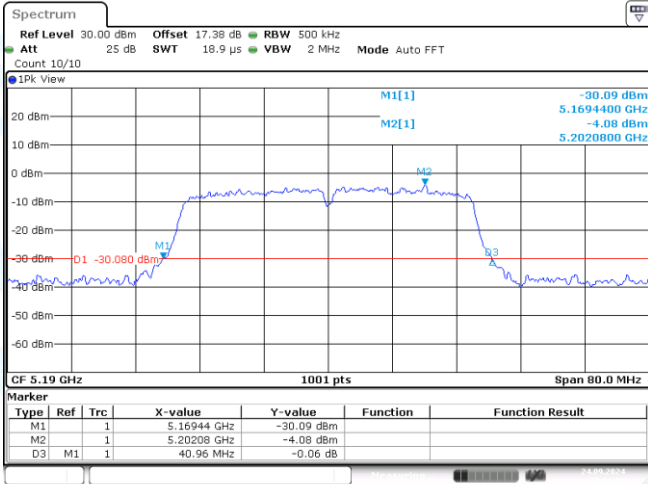
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11N20MIMO-Ant1-5240

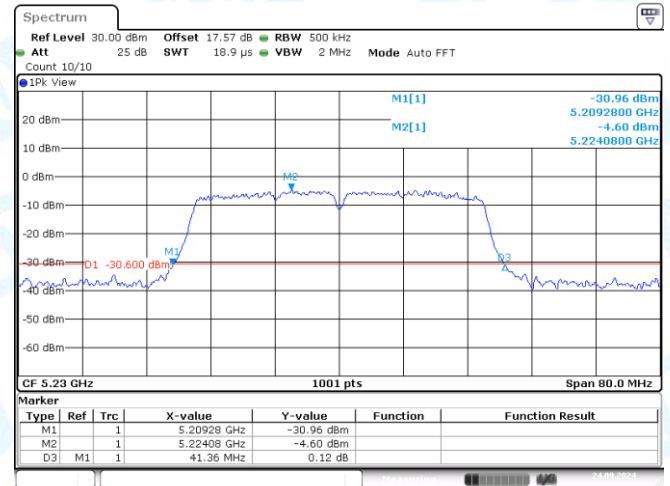
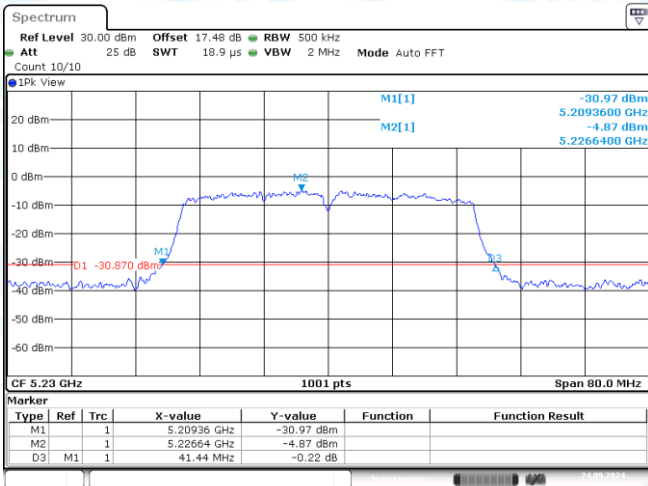


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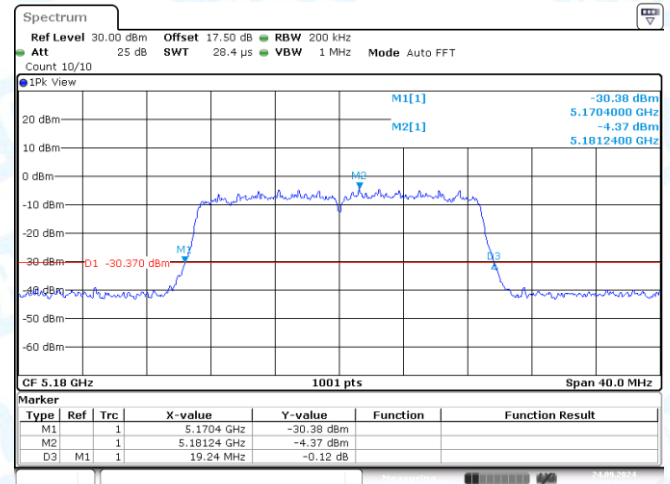
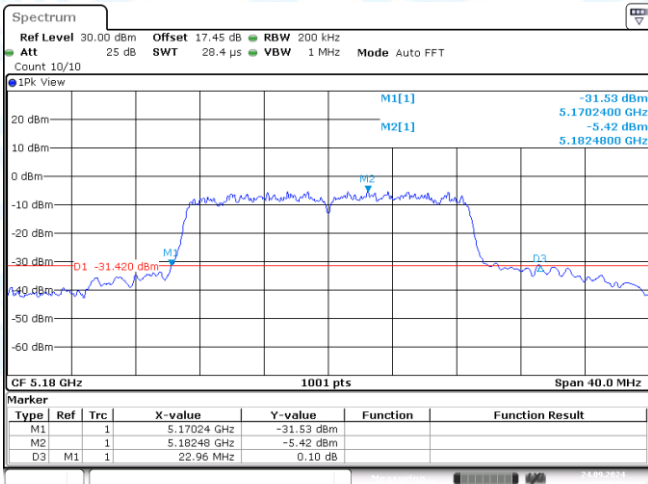
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11N40MIMO-Ant2-5190



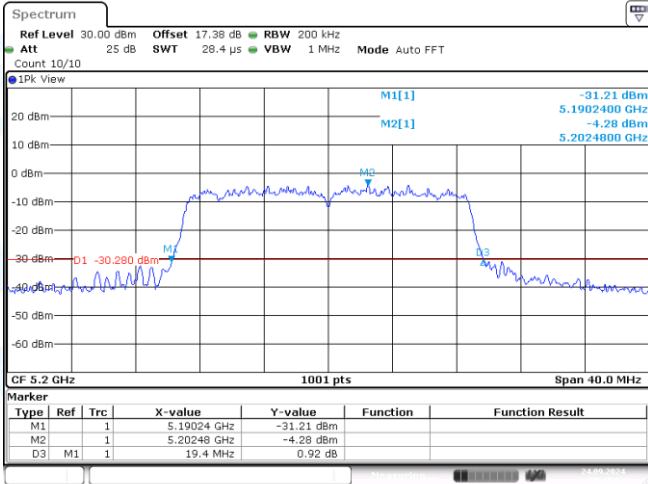
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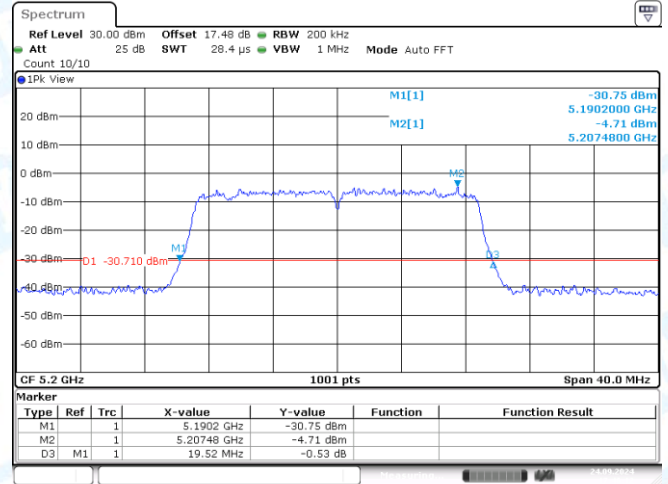


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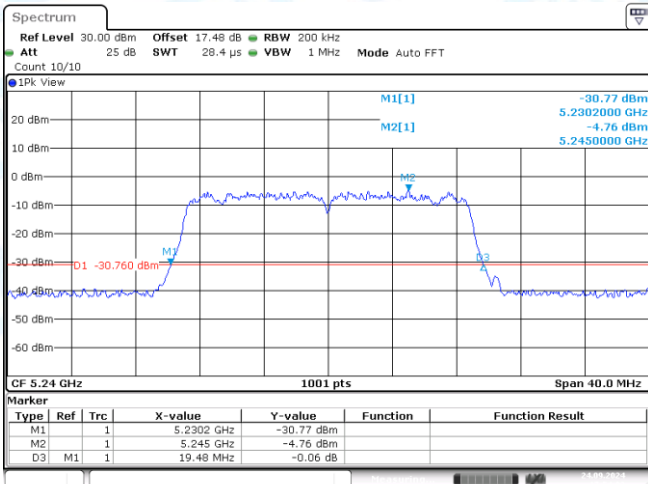
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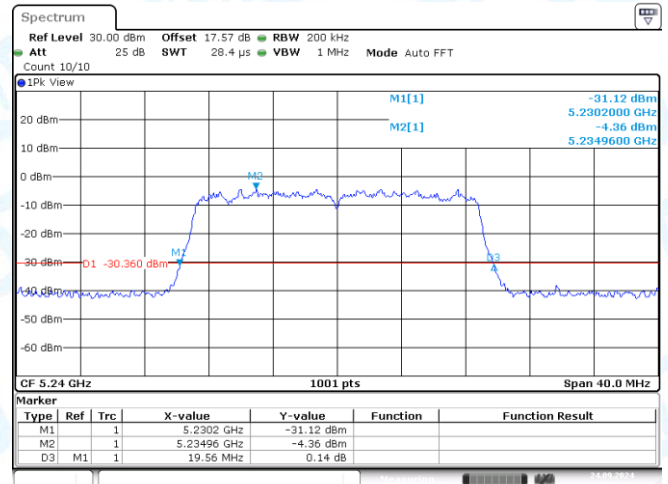
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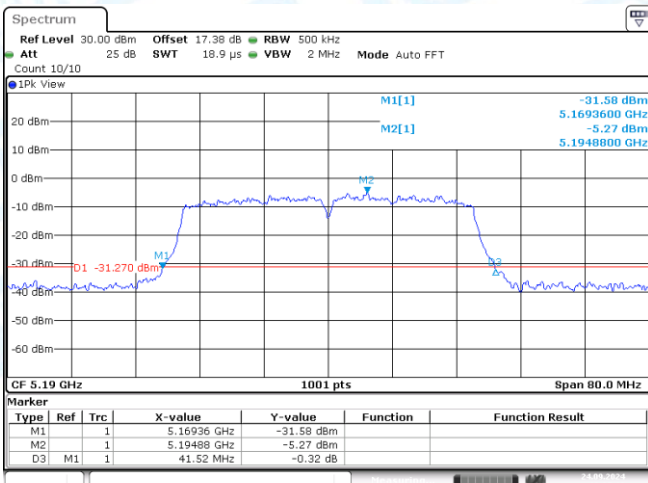
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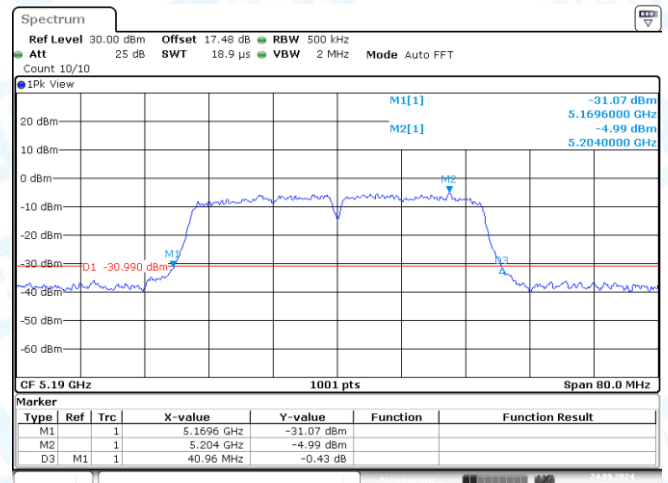
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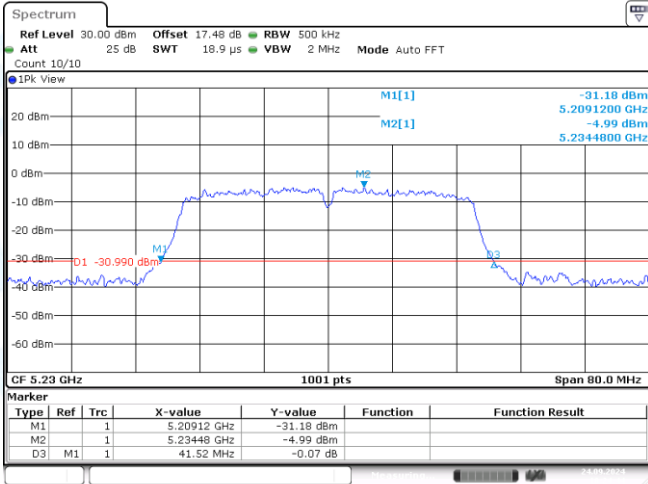
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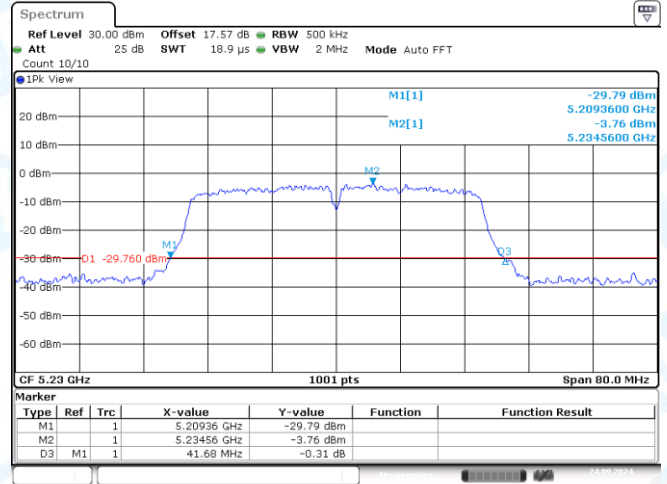
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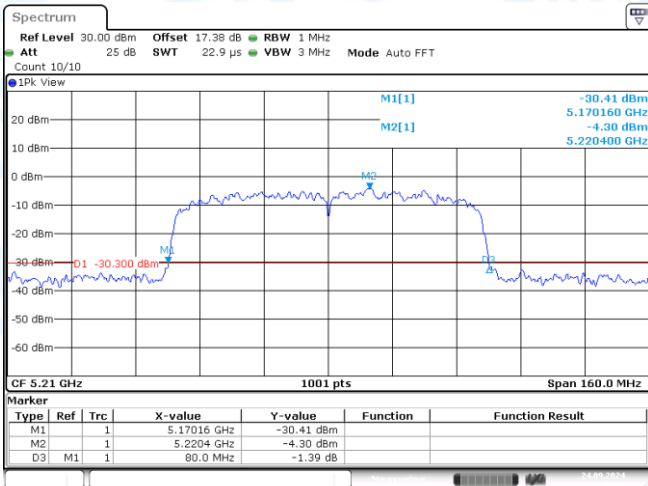
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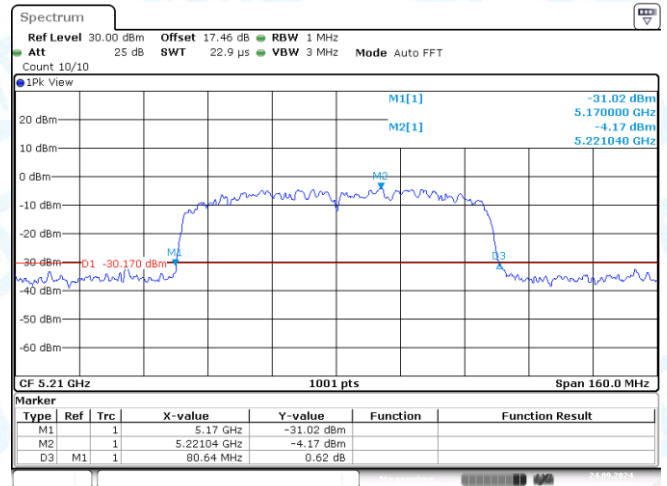
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11AC40MIMO-Ant2-5230



11AC80MIMO-Ant1-5210



11AC80MIMO-Ant2-5210

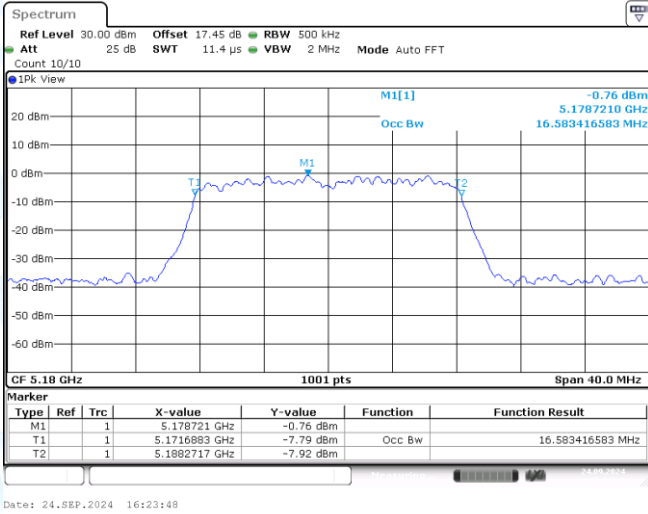
2: Occupied channel bandwidth

2.1 Test Result

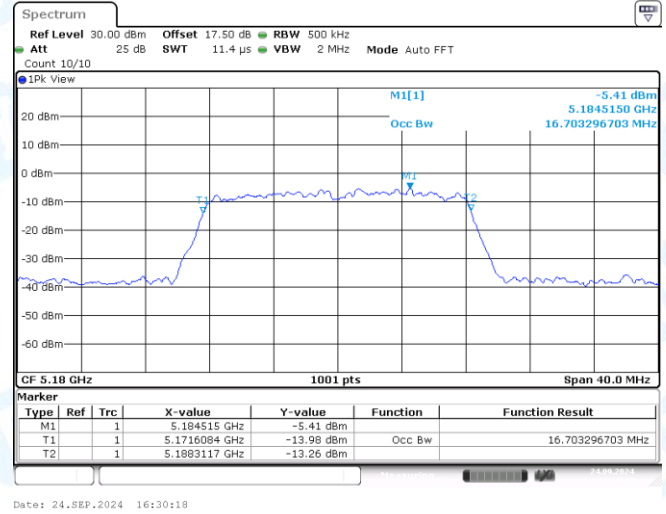
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5180	16.583	5171.6883	5188.2717	---	---
11A-CDD	Ant2	5180	16.703	5171.6084	5188.3117	---	---
11A-CDD	Ant1	5200	16.543	5191.7283	5208.2717	---	---
11A-CDD	Ant2	5200	16.543	5191.7283	5208.2717	---	---
11A-CDD	Ant1	5240	16.543	5231.6883	5248.2318	---	---
11A-CDD	Ant2	5240	16.583	5231.7283	5248.3117	---	---
11A-CDD	Ant1	5745	16.543	5736.7283	5753.2717	---	---
11A-CDD	Ant2	5745	16.663	5736.6084	5753.2717	---	---
11A-CDD	Ant1	5785	16.583	5776.6883	5793.2717	---	---
11A-CDD	Ant2	5785	16.623	5776.6484	5793.2717	---	---
11A-CDD	Ant1	5825	16.543	5816.6883	5833.2318	---	---
11A-CDD	Ant2	5825	16.623	5816.6484	5833.2717	---	---
11N20MIMO	Ant1	5180	17.702	5171.1289	5188.8312	---	---
11N20MIMO	Ant2	5180	17.702	5171.1289	5188.8312	---	---
11N20MIMO	Ant1	5200	17.742	5191.1289	5208.8711	---	---
11N20MIMO	Ant2	5200	17.742	5191.1289	5208.8711	---	---
11N20MIMO	Ant1	5240	17.742	5231.0889	5248.8312	---	---
11N20MIMO	Ant2	5240	17.702	5231.1289	5248.8312	---	---
11N20MIMO	Ant1	5745	17.742	5736.1289	5753.8711	---	---
11N20MIMO	Ant2	5745	17.742	5736.0889	5753.8312	---	---
11N20MIMO	Ant1	5785	17.702	5776.1289	5793.8312	---	---
11N20MIMO	Ant2	5785	17.742	5776.0889	5793.8312	---	---
11N20MIMO	Ant1	5825	17.702	5816.0889	5833.7912	---	---
11N20MIMO	Ant2	5825	17.782	5816.0490	5833.8312	---	---
11N40MIMO	Ant1	5190	36.124	5171.9381	5208.0619	---	---
11N40MIMO	Ant2	5190	36.523	5171.8581	5208.3816	---	---
11N40MIMO	Ant1	5230	36.364	5211.7782	5248.1419	---	---
11N40MIMO	Ant2	5230	36.683	5211.4585	5248.1419	---	---
11N40MIMO	Ant1	5755	36.284	5736.8581	5773.1419	---	---
11N40MIMO	Ant2	5755	36.364	5736.6184	5772.9820	---	---
11N40MIMO	Ant1	5795	36.364	5776.6184	5812.9820	---	---
11N40MIMO	Ant2	5795	36.364	5776.6983	5813.0619	---	---
11AC20MIMO	Ant1	5180	18.022	5171.0889	5189.1109	---	---
11AC20MIMO	Ant2	5180	17.662	5171.1688	5188.8312	---	---
11AC20MIMO	Ant1	5200	17.662	5191.1688	5208.8312	---	---
11AC20MIMO	Ant2	5200	17.662	5191.1688	5208.8312	---	---
11AC20MIMO	Ant1	5240	17.662	5231.1289	5248.7912	---	---
11AC20MIMO	Ant2	5240	17.702	5231.1289	5248.8312	---	---
11AC20MIMO	Ant1	5745	17.742	5736.0889	5753.8312	---	---
11AC20MIMO	Ant2	5745	17.742	5736.0889	5753.8312	---	---
11AC20MIMO	Ant1	5785	17.822	5776.0889	5793.9111	---	---

11AC20MIMO	Ant2	5785	17.782	5776.0490	5793.8312	---	---
11AC20MIMO	Ant1	5825	17.702	5816.0889	5833.7912	---	---
11AC20MIMO	Ant2	5825	17.742	5816.0889	5833.8312	---	---
11AC40MIMO	Ant1	5190	36.284	5171.8581	5208.1419	---	---
11AC40MIMO	Ant2	5190	36.204	5171.9381	5208.1419	---	---
11AC40MIMO	Ant1	5230	36.124	5211.8581	5247.9820	---	---
11AC40MIMO	Ant2	5230	36.124	5211.8581	5247.9820	---	---
11AC40MIMO	Ant1	5755	36.284	5736.8581	5773.1419	---	---
11AC40MIMO	Ant2	5755	36.204	5736.8581	5773.0619	---	---
11AC40MIMO	Ant1	5795	36.044	5776.8581	5812.9021	---	---
11AC40MIMO	Ant2	5795	36.364	5776.7782	5813.1419	---	---
11AC80MIMO	Ant1	5210	74.645	5172.7572	5247.4026	---	---
11AC80MIMO	Ant2	5210	74.965	5172.7572	5247.7223	---	---
11AC80MIMO	Ant1	5775	74.965	5737.4376	5812.4026	---	---
11AC80MIMO	Ant2	5775	74.965	5737.2777	5812.2428	---	---

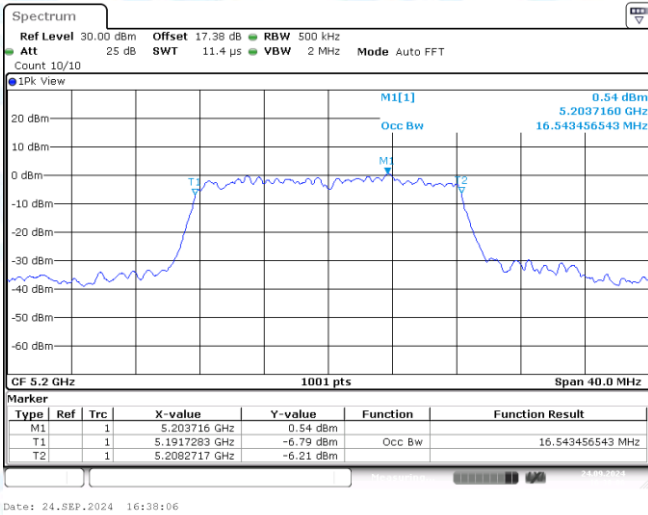
2.2 Test Graphs



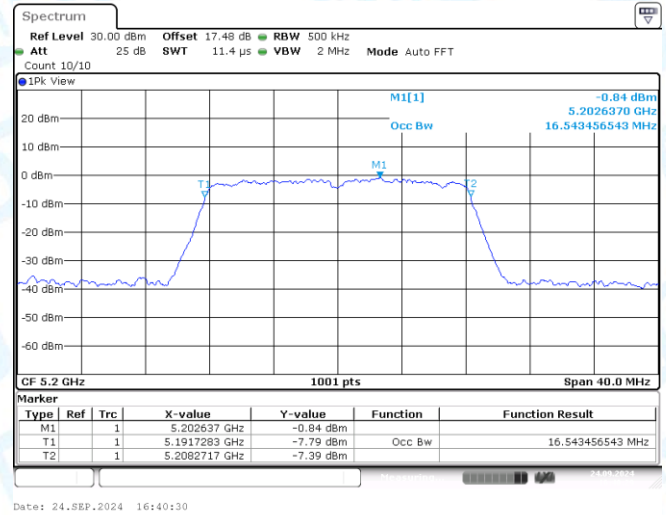
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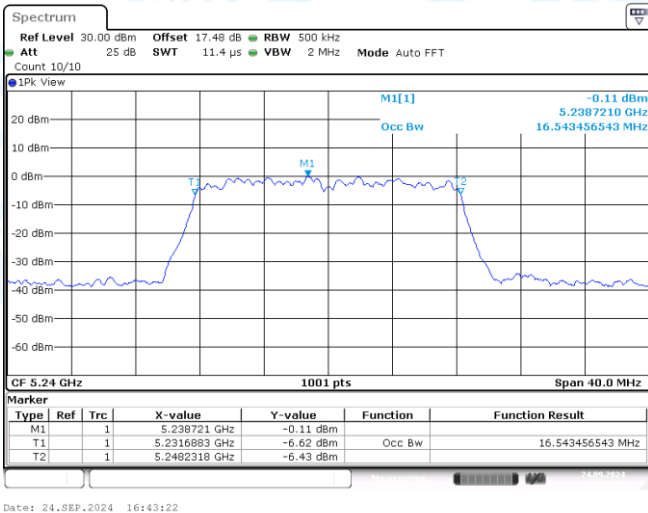
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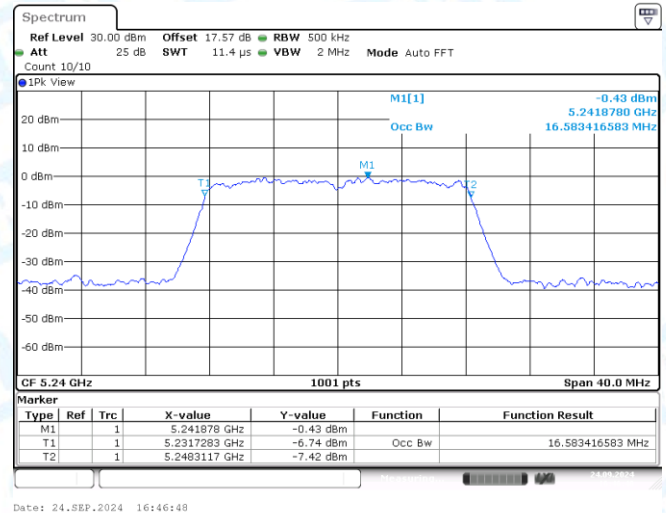
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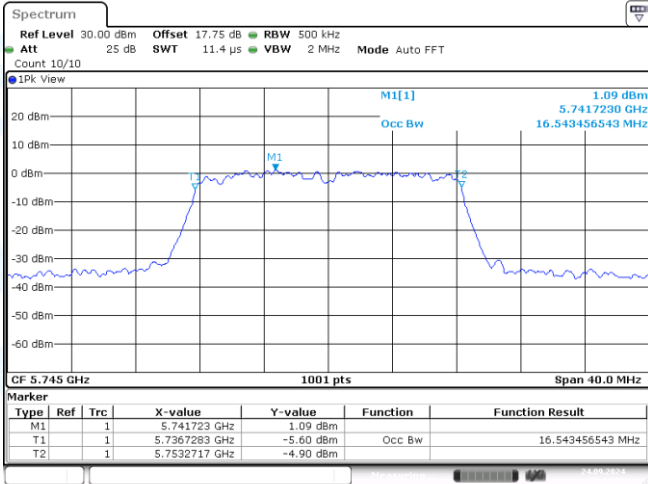
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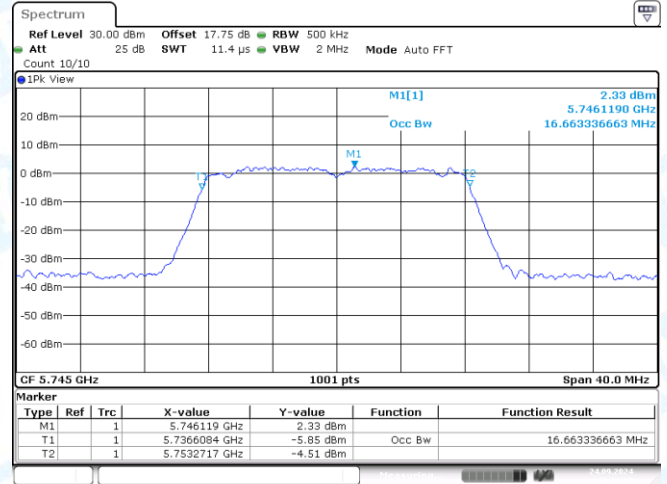
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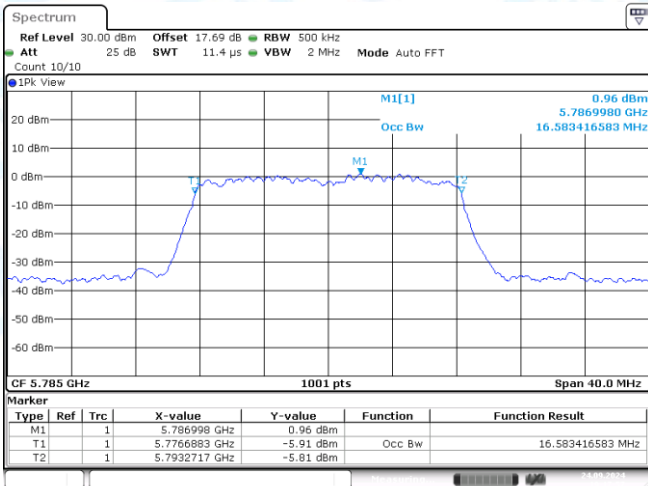
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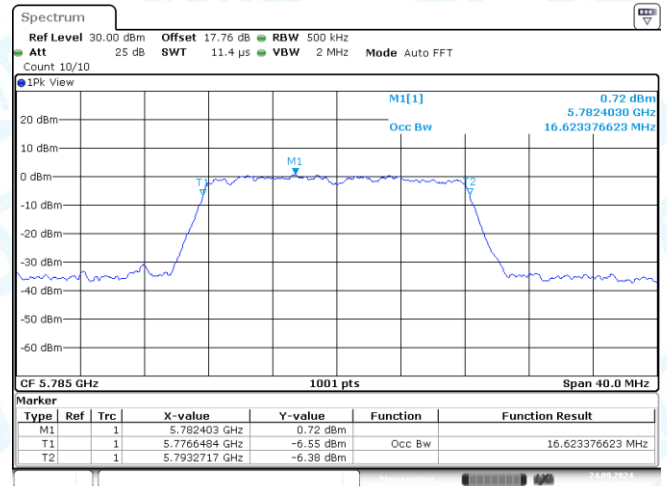
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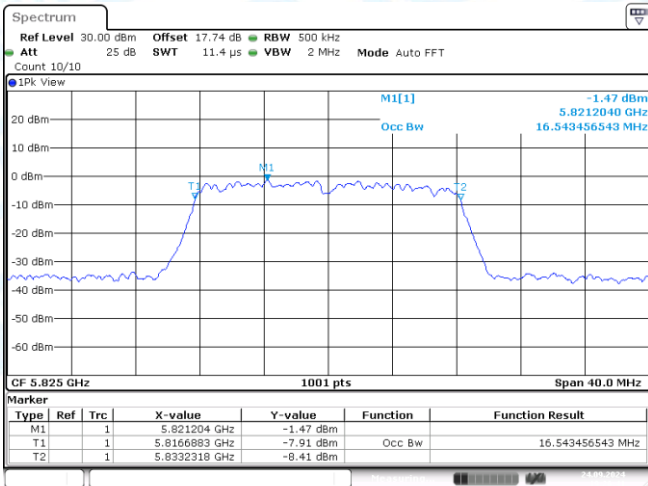
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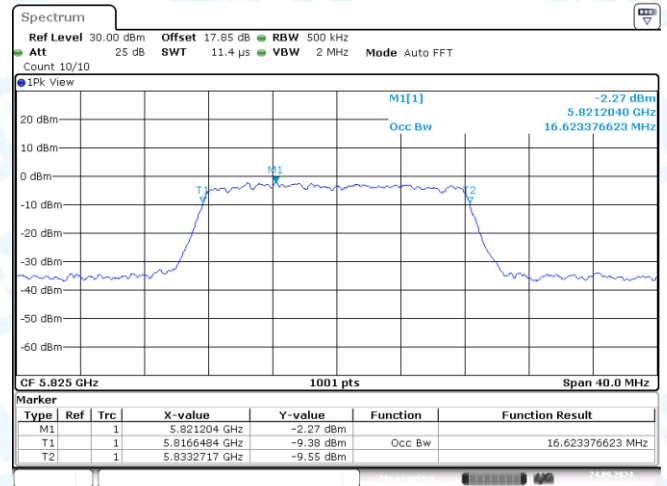
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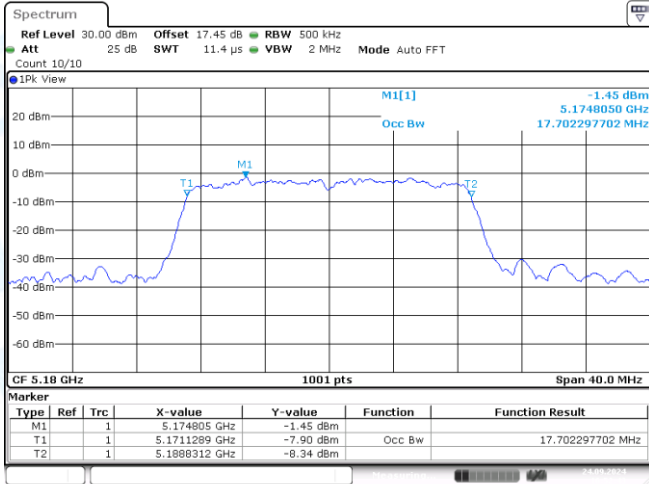
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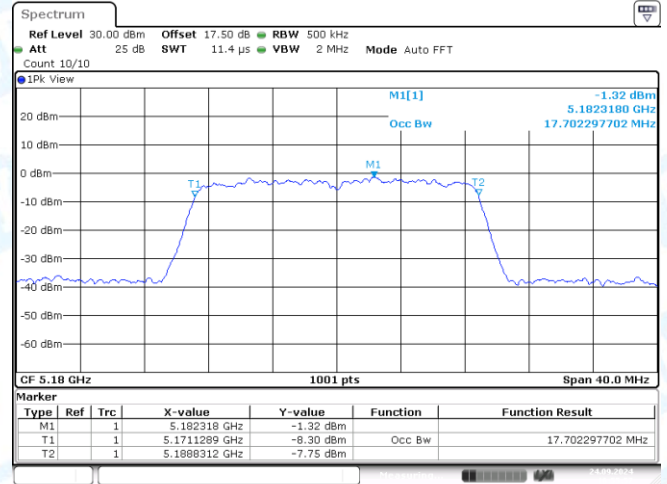
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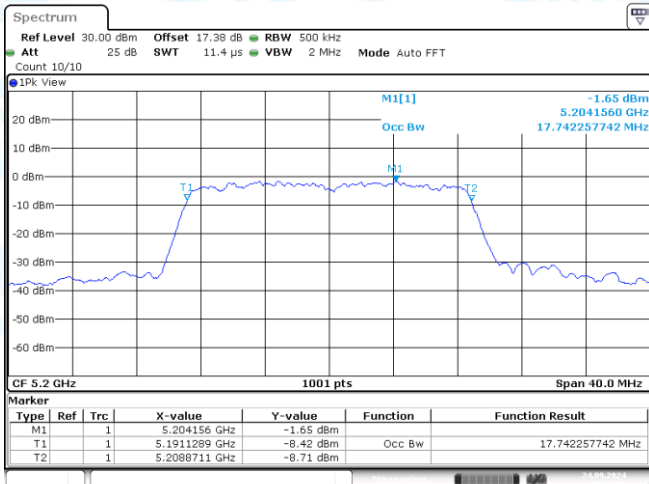
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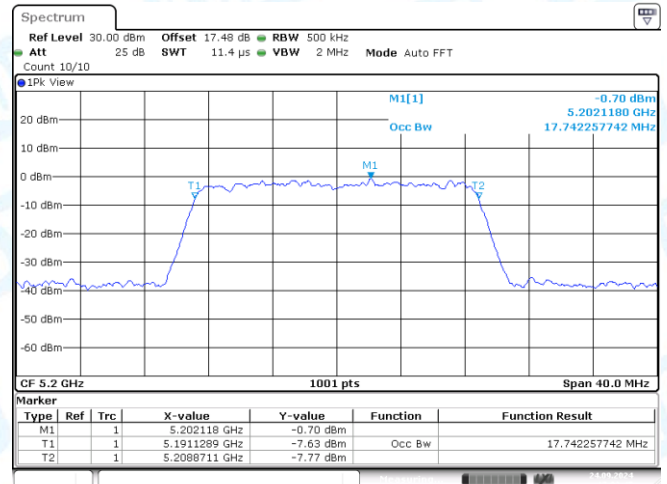
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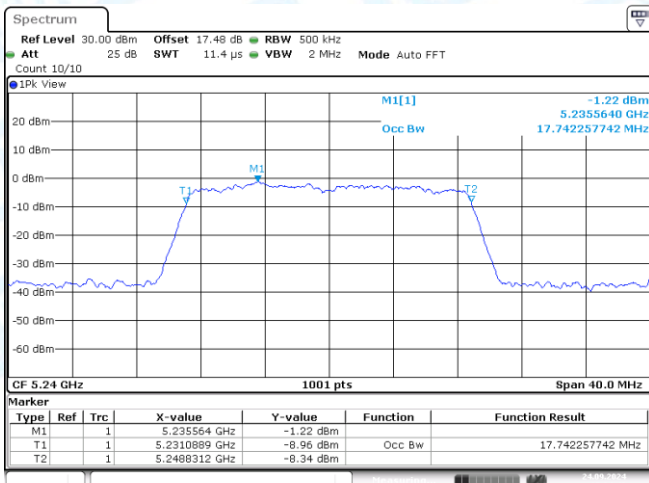
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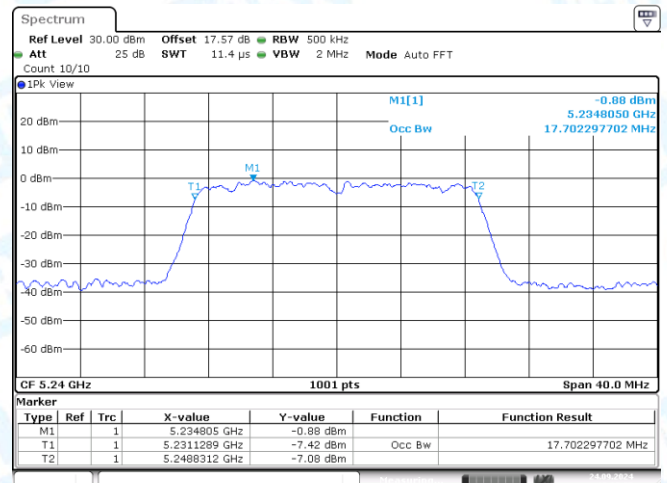
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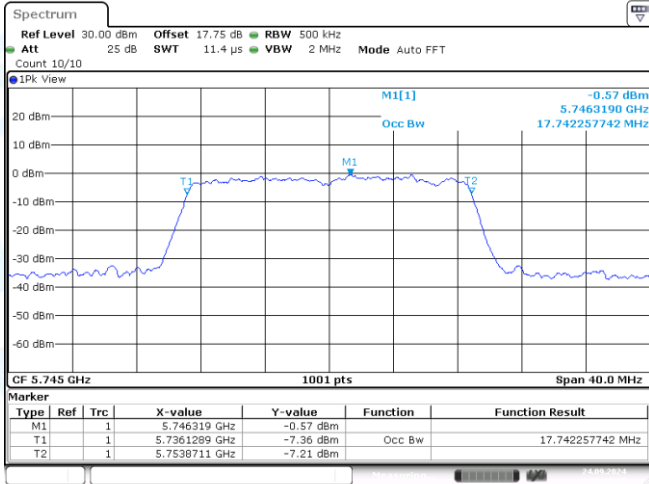
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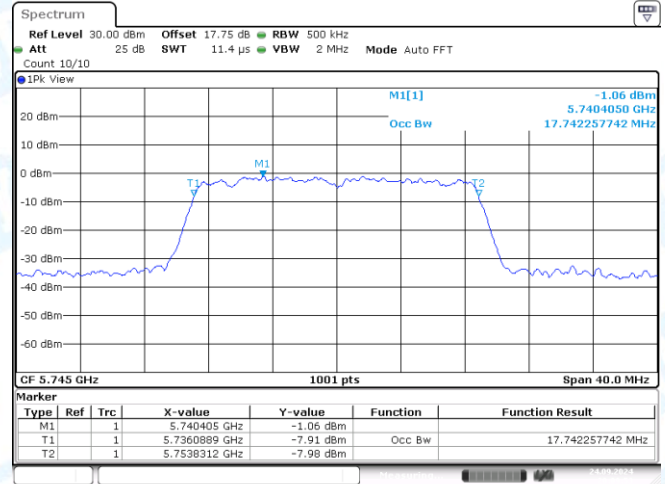
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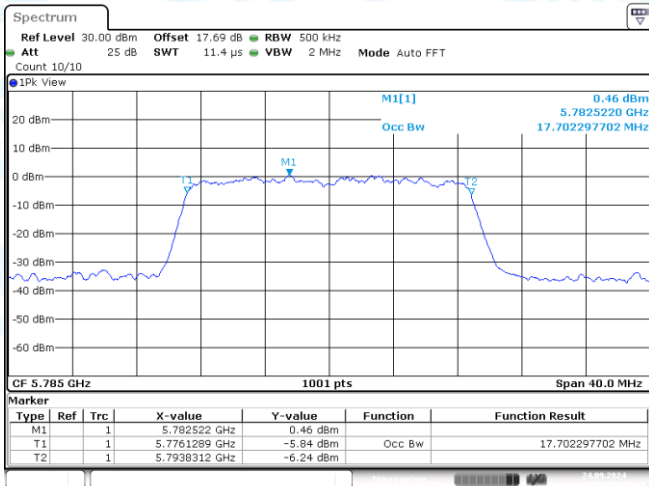
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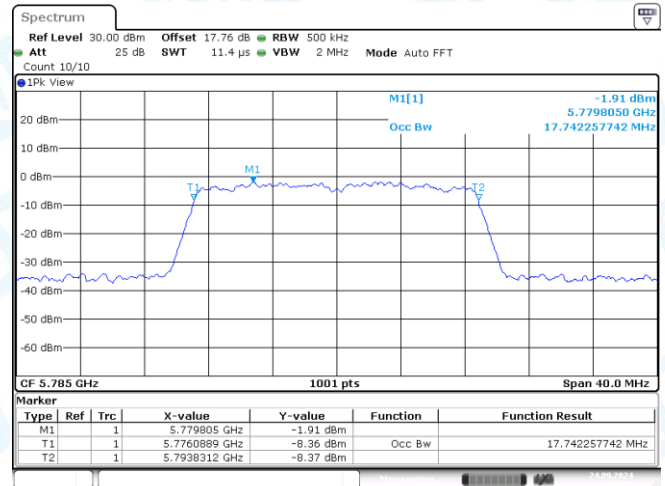
11N20MIMO-Ant1-5745



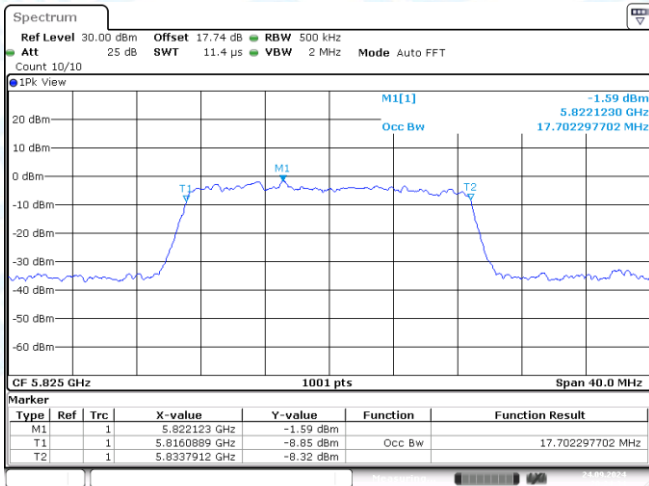
11N20MIMO-Ant2-5745



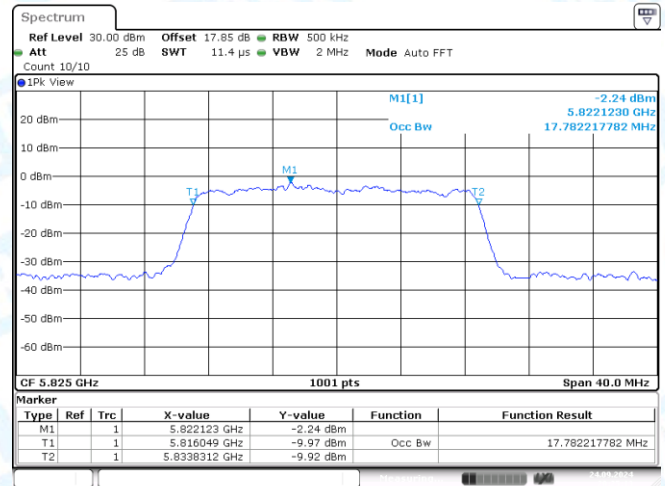
11N20MIMO-Ant1-5785



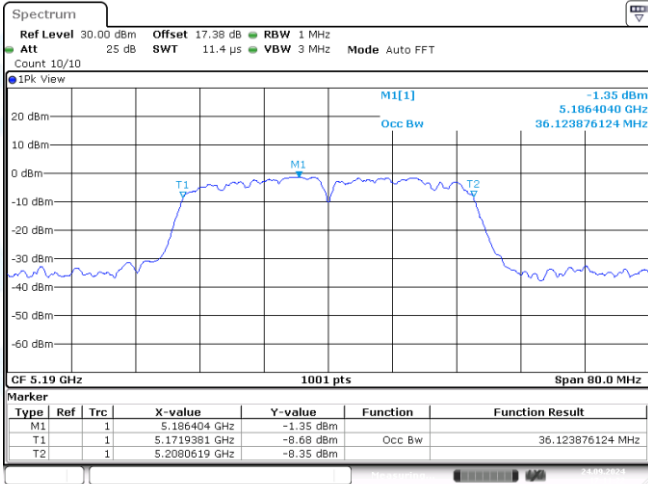
11N20MIMO-Ant2-5785



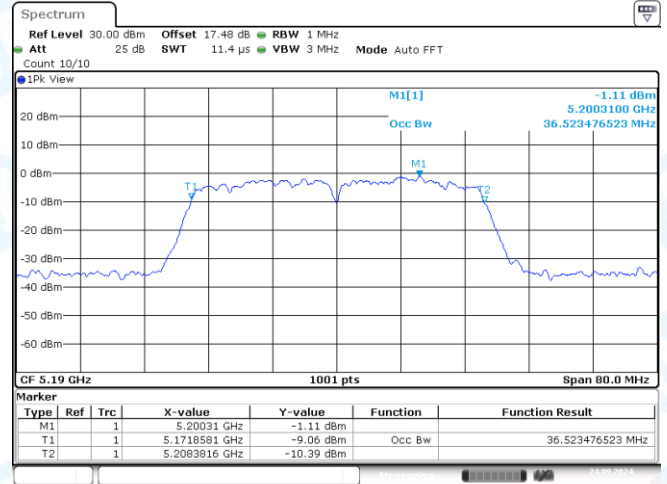
11N20MIMO-Ant1-5825



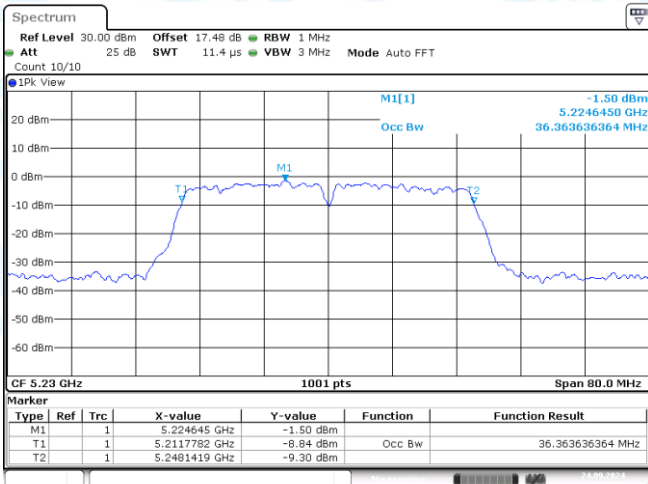
11N20MIMO-Ant2-5825



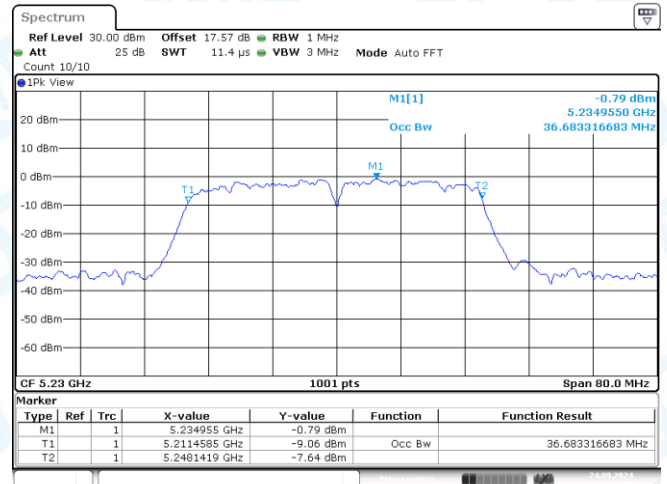
11N40MIMO-Ant1-5190



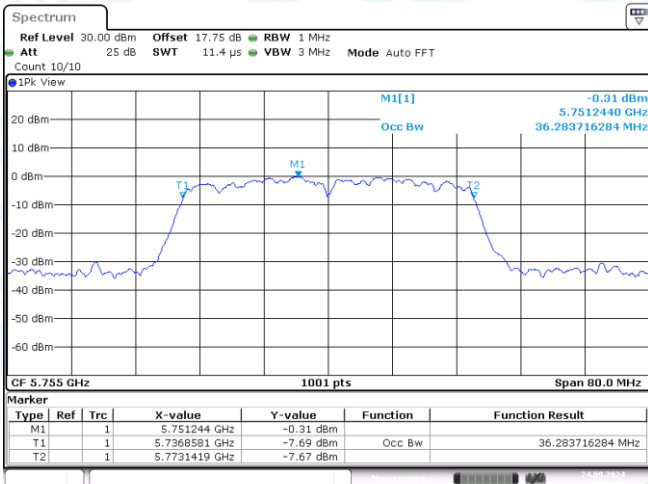
11N40MIMO-Ant2-5190



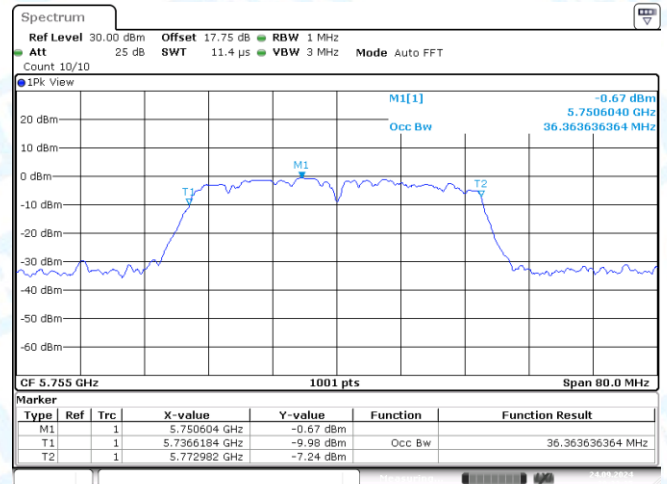
11N40MIMO-Ant1-5230



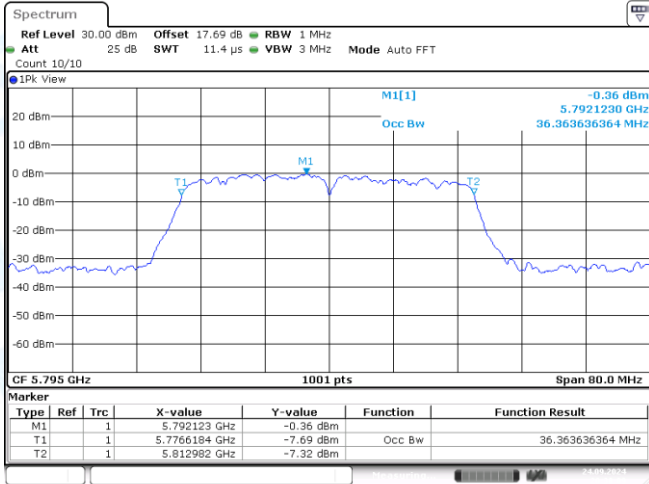
11N40MIMO-Ant2-5230



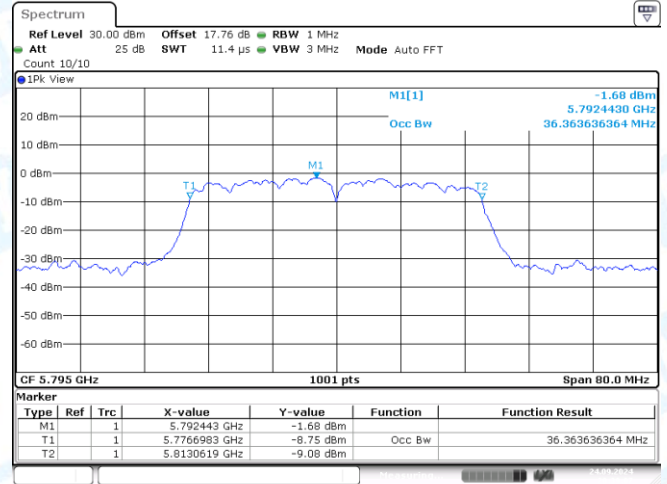
11N40MIMO-Ant1-5755



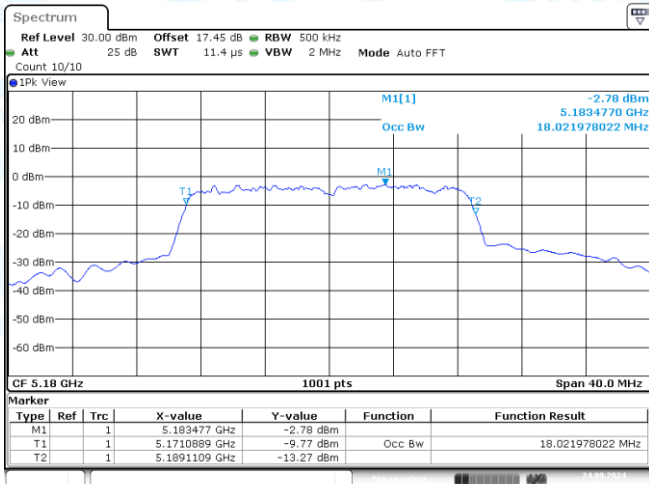
11N40MIMO-Ant2-5755



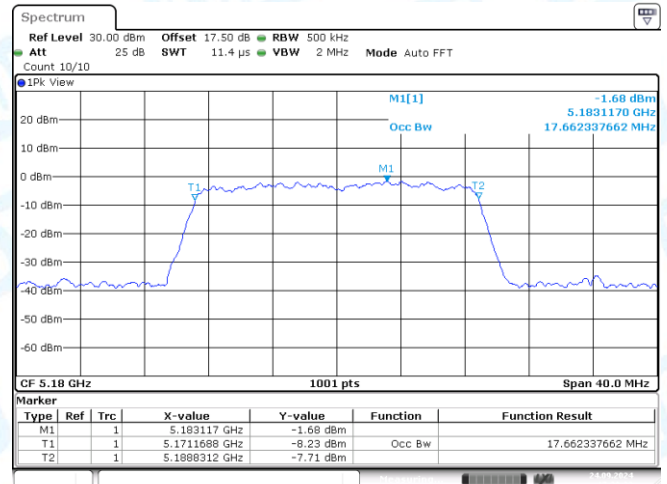
11N40MIMO-Ant1-5795



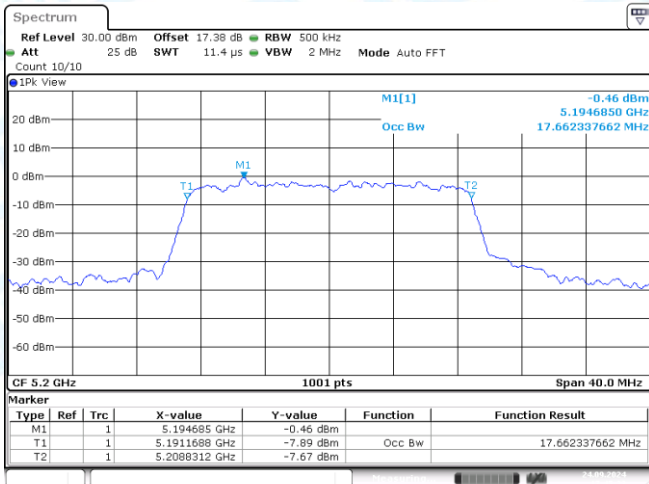
11N40MIMO-Ant2-5795



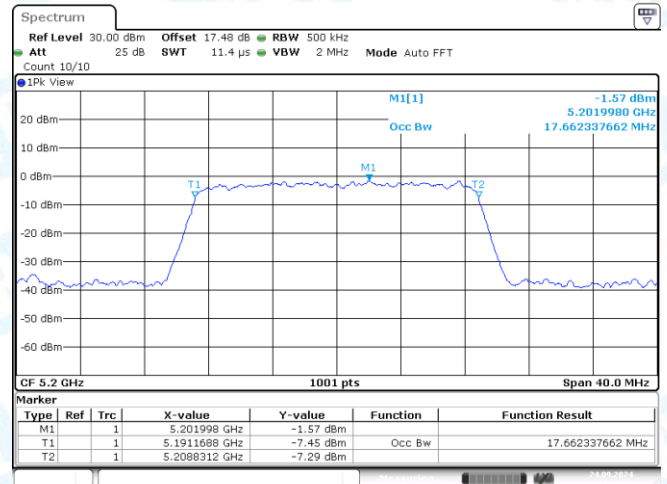
11AC20MIMO-Ant1-5180



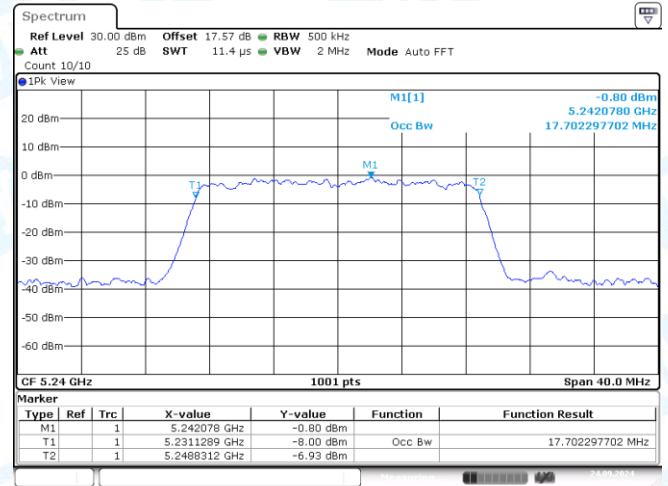
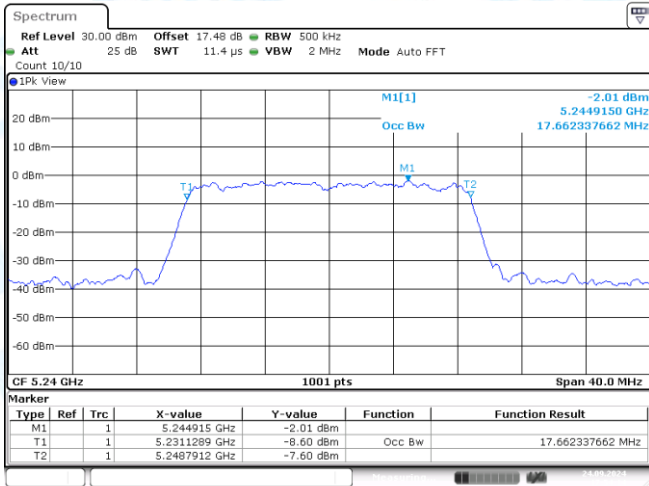
11AC20MIMO-Ant2-5180



11AC20MIMO-Ant1-5200

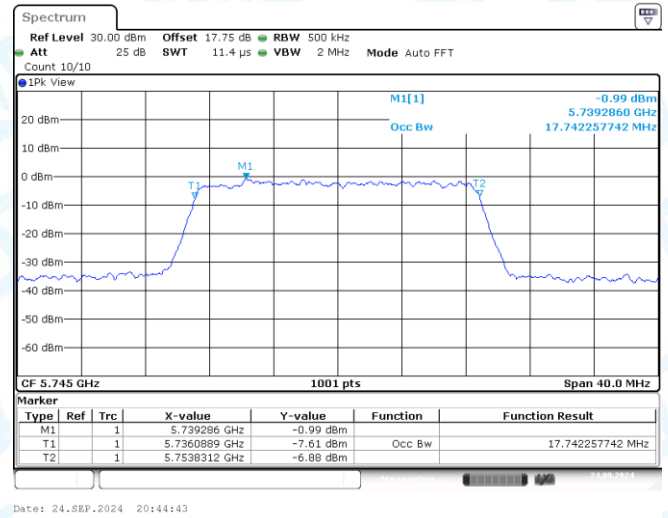
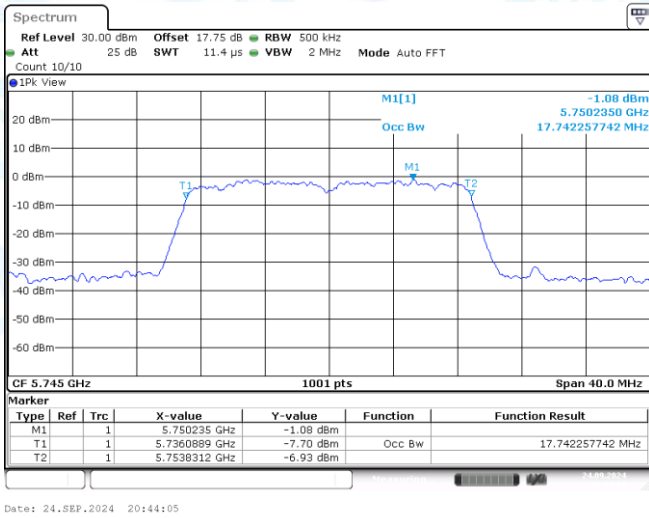


11AC20MIMO-Ant2-5200



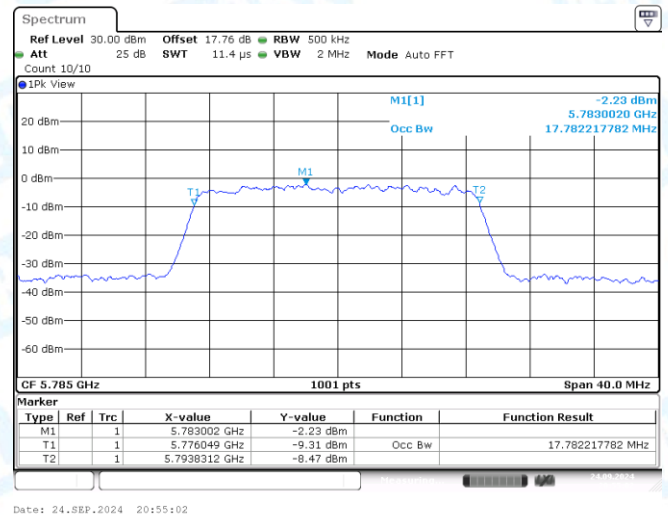
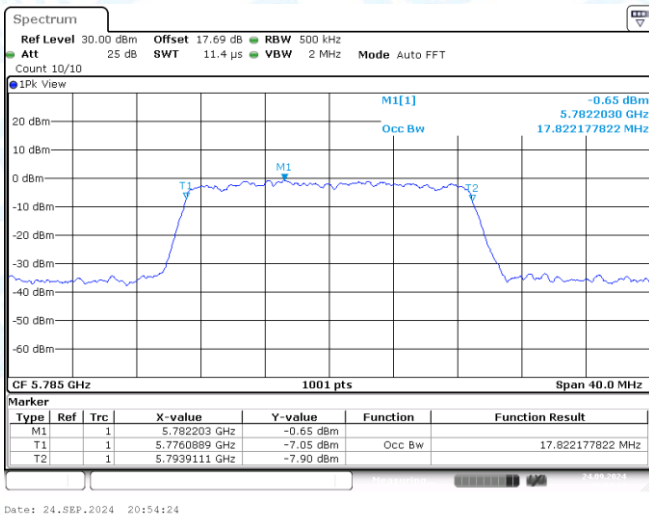
11AC20MIMO-Ant1-5240

11AC20MIMO-Ant2-5240



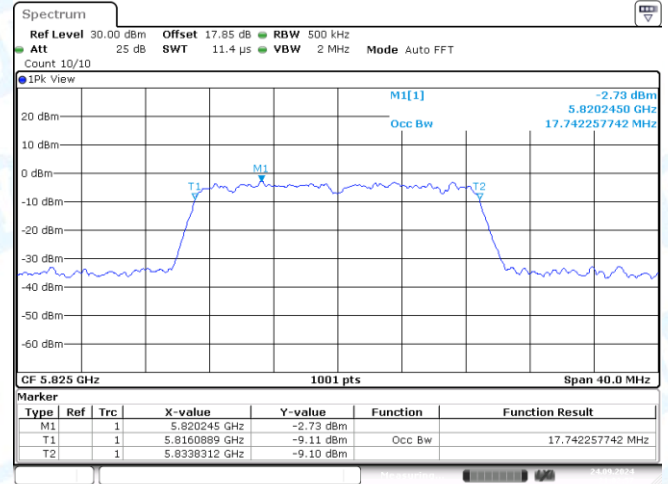
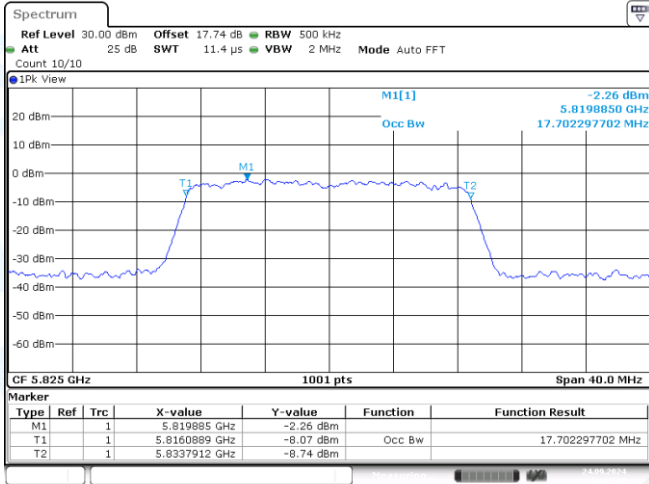
11AC20MIMO-Ant1-5745

11AC20MIMO-Ant2-5745



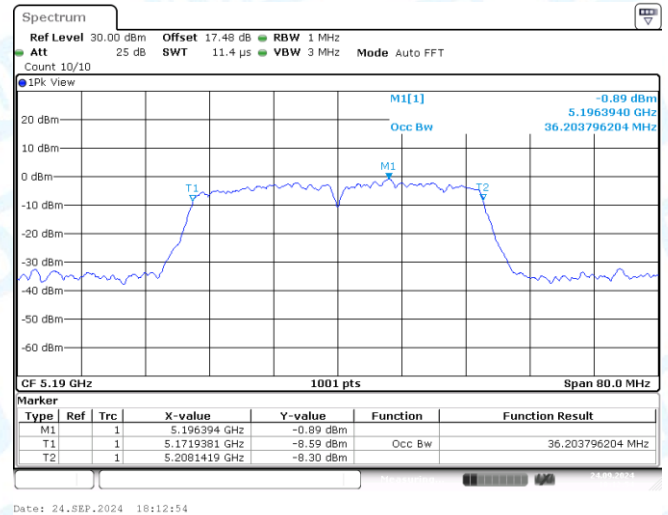
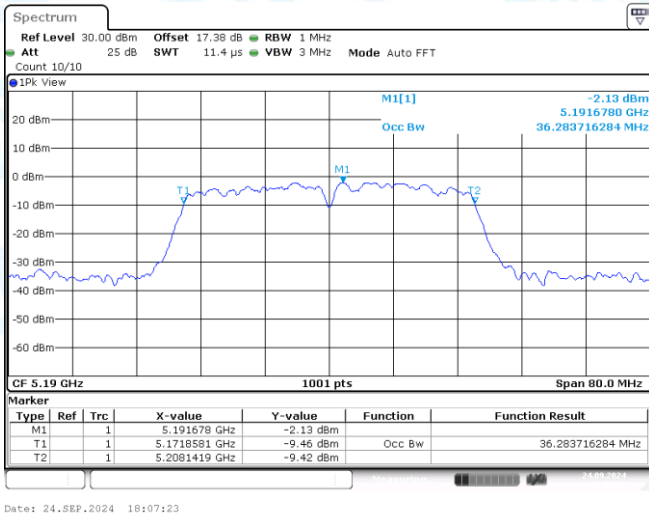
11AC20MIMO-Ant1-5785

11AC20MIMO-Ant2-5785



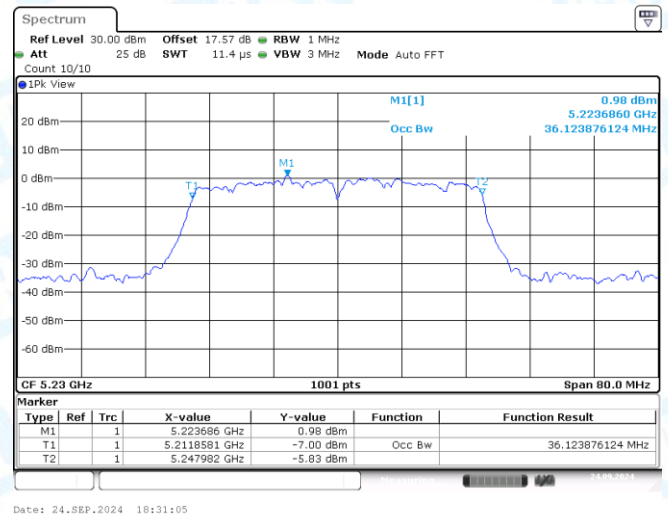
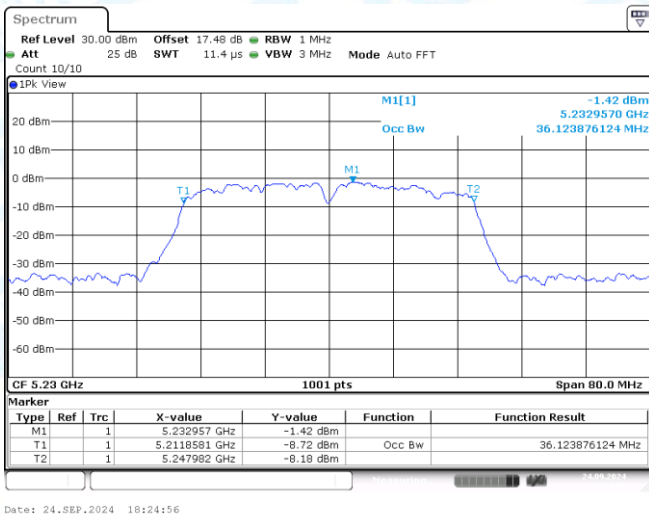
11AC20MIMO-Ant1-5825

11AC20MIMO-Ant2-5825



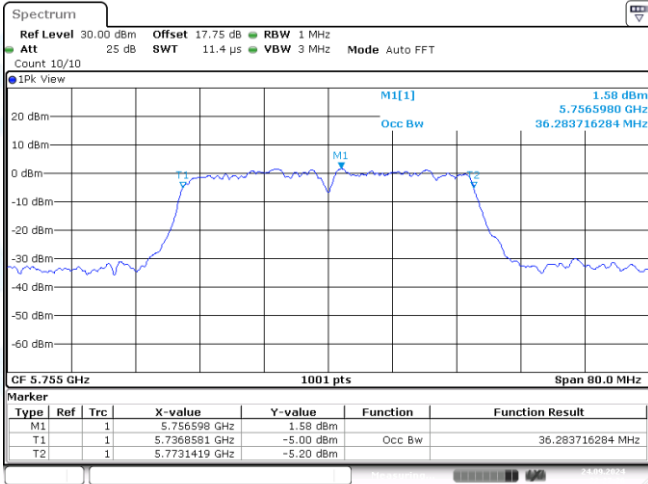
11AC40MIMO-Ant1-5190

11AC40MIMO-Ant2-5190

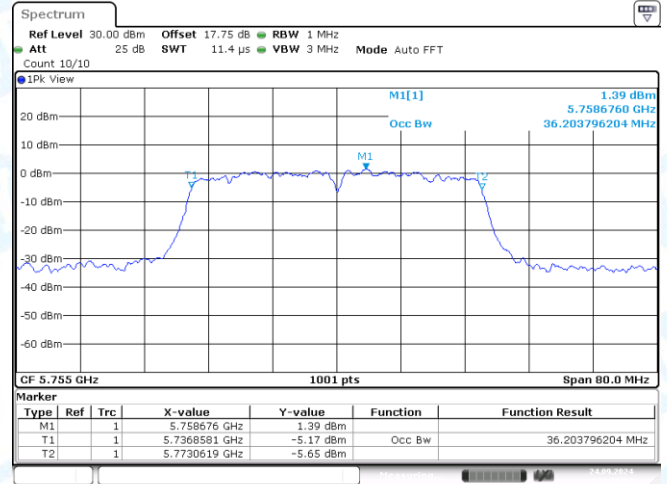


11AC40MIMO-Ant1-5230

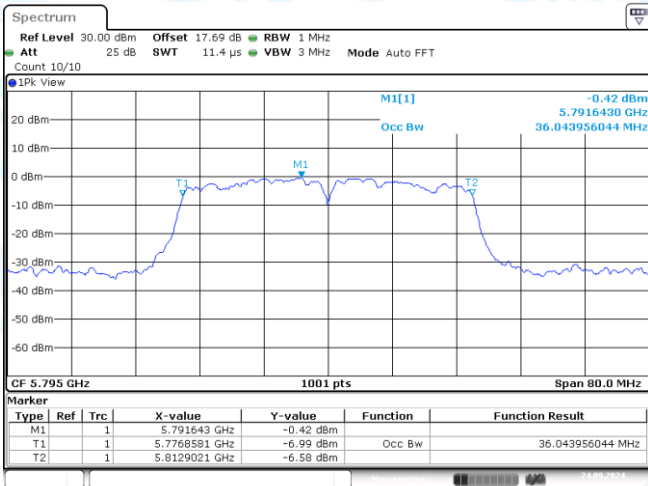
11AC40MIMO-Ant2-5230



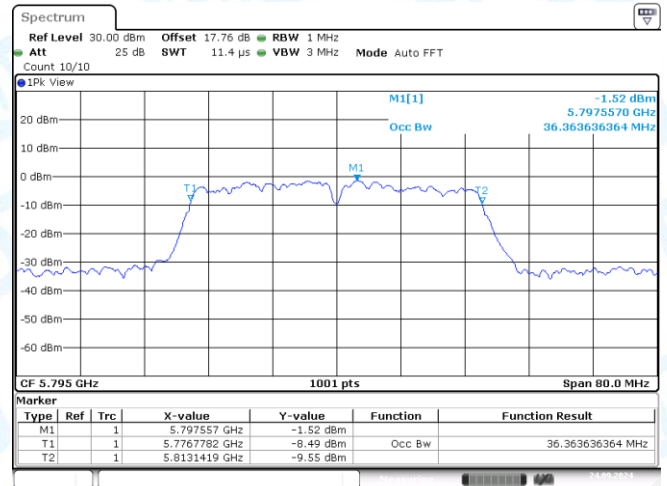
11AC40MIMO-Ant1-5755



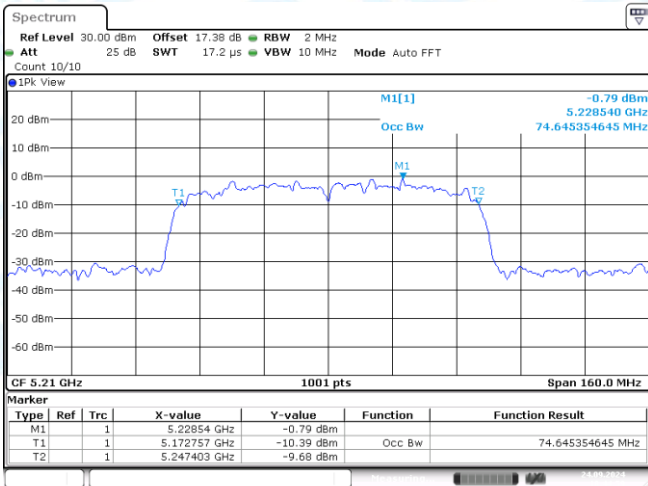
11AC40MIMO-Ant2-5755



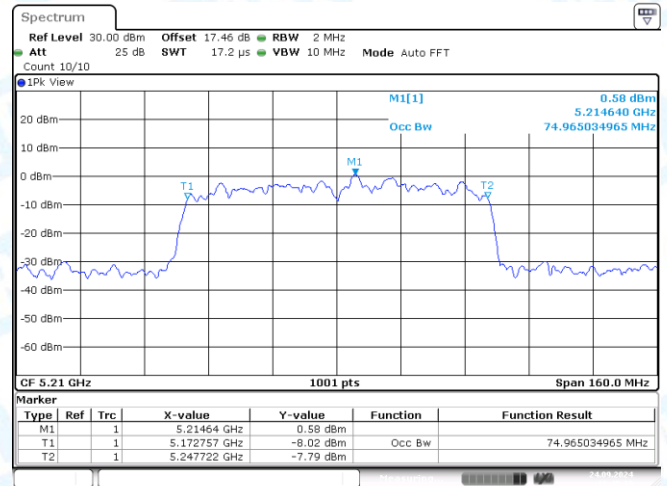
11AC40MIMO-Ant1-5795



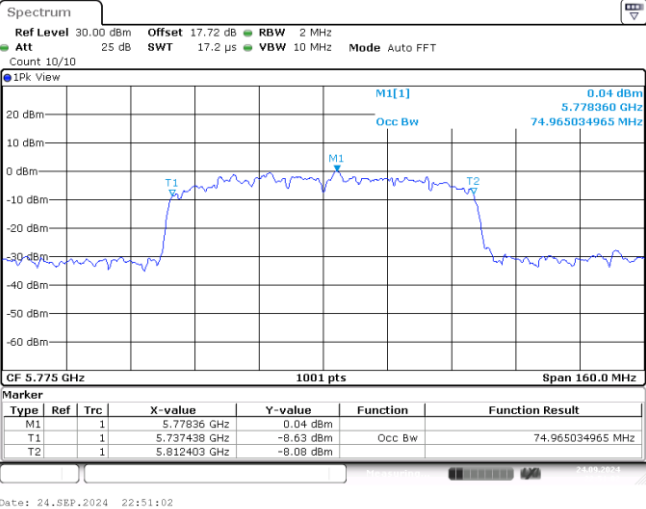
11AC40MIMO-Ant2-5795



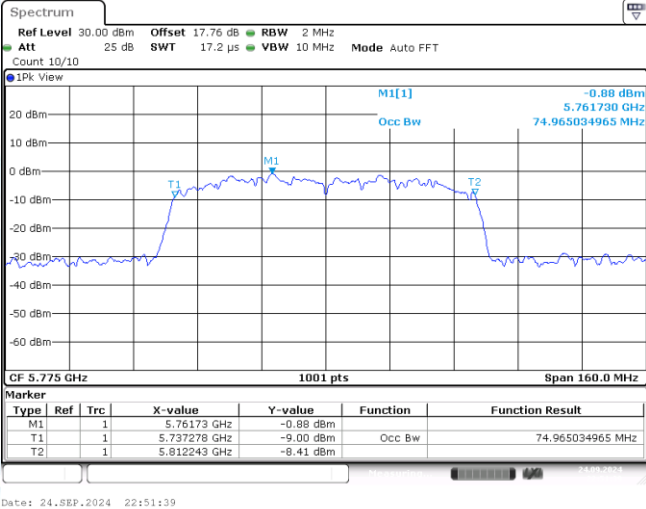
11AC80MIMO-Ant1-5210



11AC80MIMO-Ant2-5210



11AC80MIMO-Ant1-5775



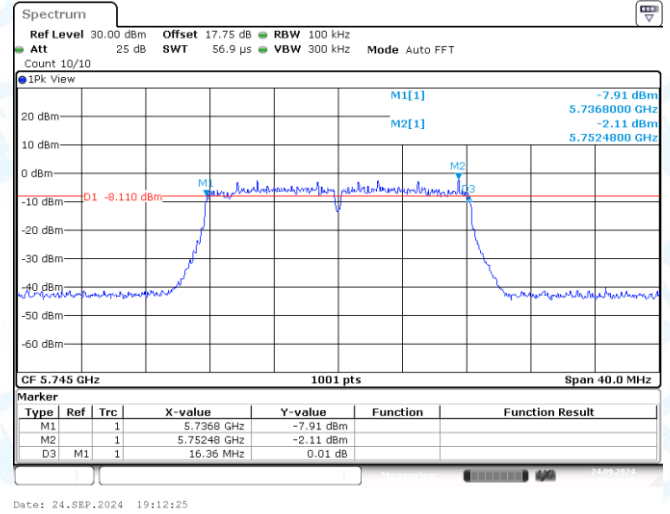
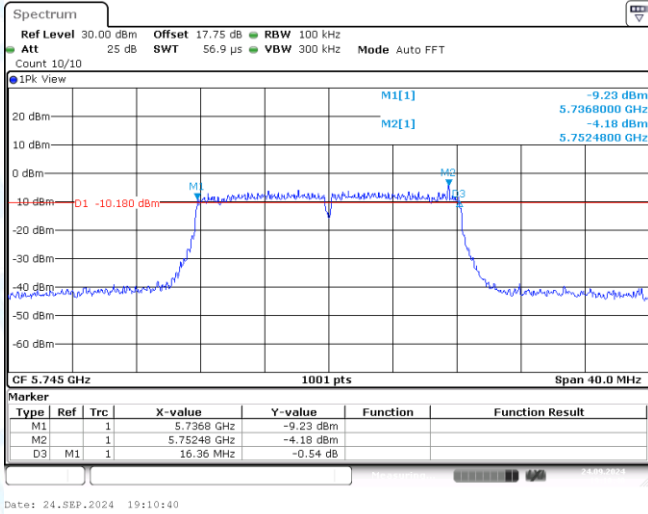
11AC80MIMO-Ant2-5775

3: Min emission bandwidth

3.1 Test Result-B4

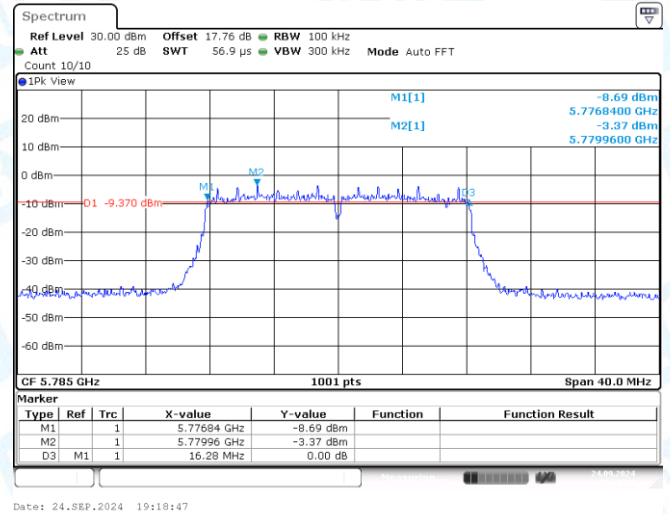
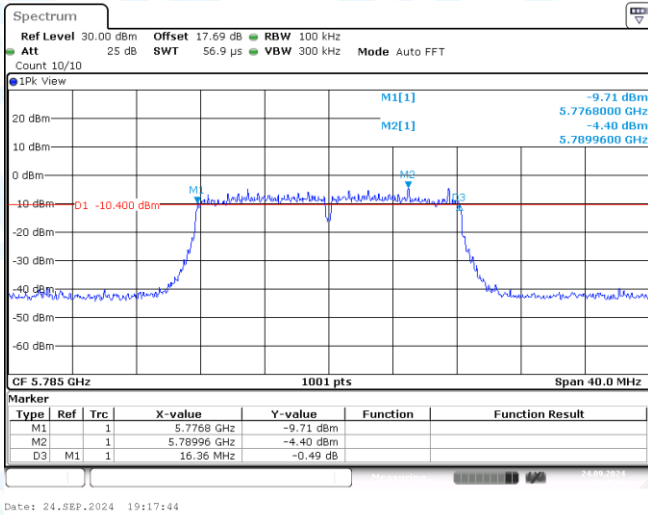
TestMode	Antenna	Frequency[MHz]	6dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5745	16.36	5736.80	5753.16	0.5	PASS
11A-CDD	Ant2	5745	16.36	5736.80	5753.16	0.5	PASS
11A-CDD	Ant1	5785	16.36	5776.80	5793.16	0.5	PASS
11A-CDD	Ant2	5785	16.28	5776.84	5793.12	0.5	PASS
11A-CDD	Ant1	5825	16.32	5816.80	5833.12	0.5	PASS
11A-CDD	Ant2	5825	16.32	5816.80	5833.12	0.5	PASS
11N20MIMO	Ant1	5745	17.56	5736.20	5753.76	0.5	PASS
11N20MIMO	Ant2	5745	17.52	5736.20	5753.72	0.5	PASS
11N20MIMO	Ant1	5785	17.60	5776.16	5793.76	0.5	PASS
11N20MIMO	Ant2	5785	17.28	5776.20	5793.48	0.5	PASS
11N20MIMO	Ant1	5825	17.60	5816.16	5833.76	0.5	PASS
11N20MIMO	Ant2	5825	17.56	5816.20	5833.76	0.5	PASS
11N40MIMO	Ant1	5755	35.12	5737.40	5772.52	0.5	PASS
11N40MIMO	Ant2	5755	36.24	5736.84	5773.08	0.5	PASS
11N40MIMO	Ant1	5795	36.00	5776.84	5812.84	0.5	PASS
11N40MIMO	Ant2	5795	35.12	5777.40	5812.52	0.5	PASS
11AC20MIMO	Ant1	5745	17.56	5736.20	5753.76	0.5	PASS
11AC20MIMO	Ant2	5745	17.60	5736.16	5753.76	0.5	PASS
11AC20MIMO	Ant1	5785	17.56	5776.20	5793.76	0.5	PASS
11AC20MIMO	Ant2	5785	17.56	5776.20	5793.76	0.5	PASS
11AC20MIMO	Ant1	5825	17.56	5816.16	5833.72	0.5	PASS
11AC20MIMO	Ant2	5825	17.56	5816.20	5833.76	0.5	PASS
11AC40MIMO	Ant1	5755	35.12	5737.40	5772.52	0.5	PASS
11AC40MIMO	Ant2	5755	35.12	5737.40	5772.52	0.5	PASS
11AC40MIMO	Ant1	5795	35.12	5777.40	5812.52	0.5	PASS
11AC40MIMO	Ant2	5795	35.12	5777.40	5812.52	0.5	PASS
11AC80MIMO	Ant1	5775	63.84	5743.64	5807.48	0.5	PASS
11AC80MIMO	Ant2	5775	75.20	5737.40	5812.60	0.5	PASS

3.2 Test Graphs-B4



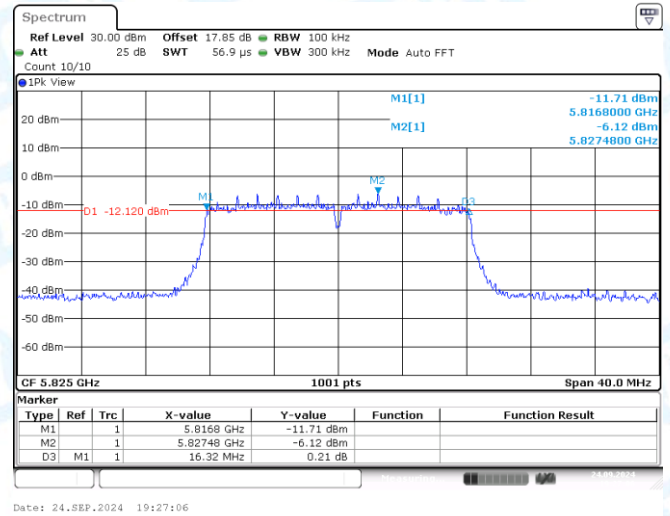
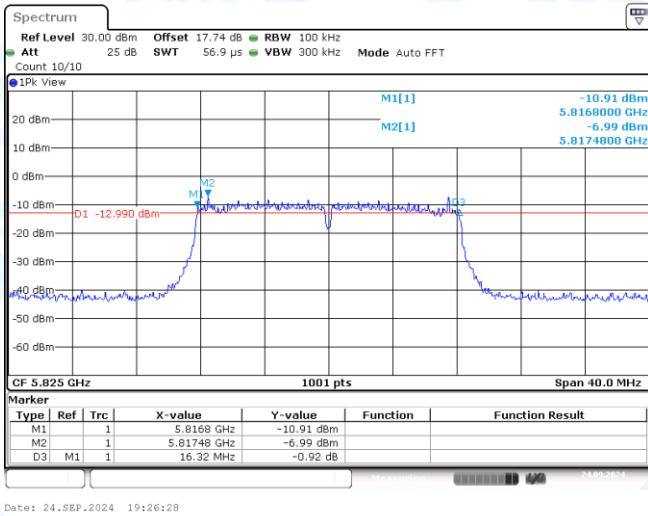
11A-CDD-Ant1-5745-PASS

11A-CDD-Ant2-5745-PASS



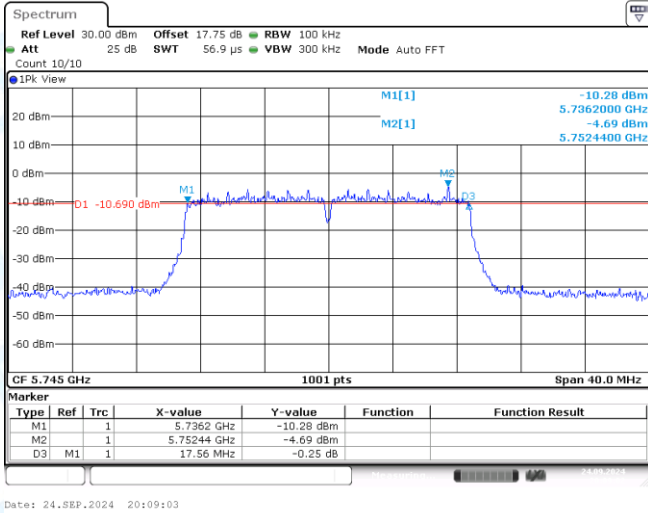
11A-CDD-Ant1-5785-PASS

11A-CDD-Ant2-5785-PASS

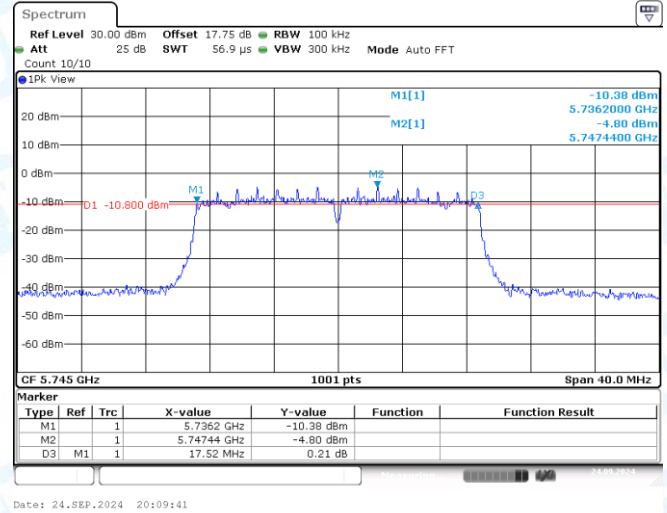


11A-CDD-Ant1-5825-PASS

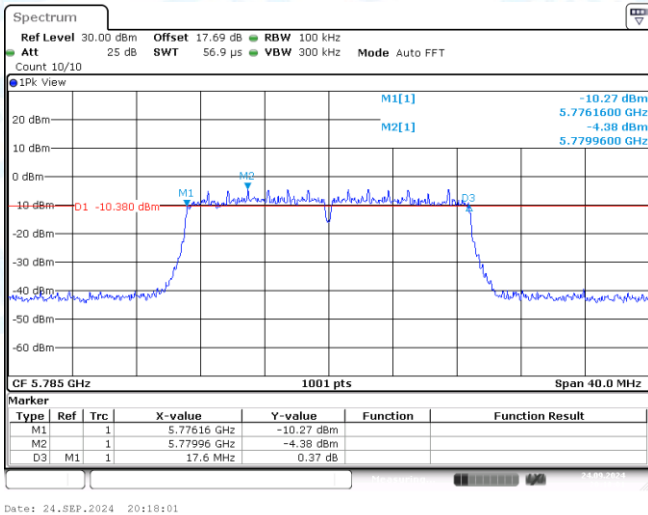
11A-CDD-Ant2-5825-PASS



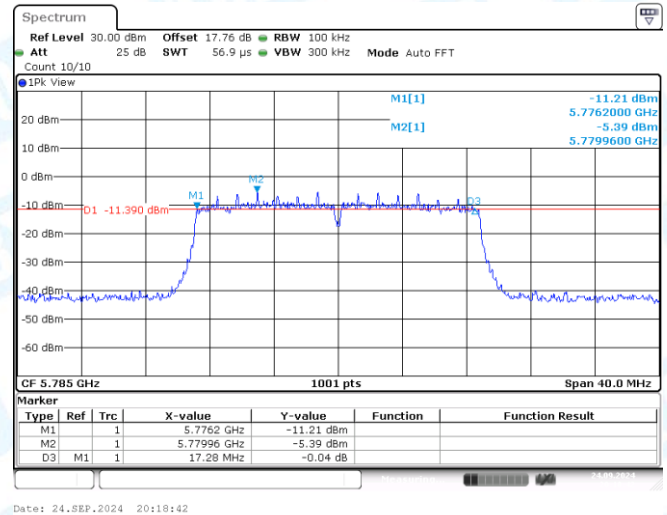
11N20MIMO-Ant1-5745-PASS



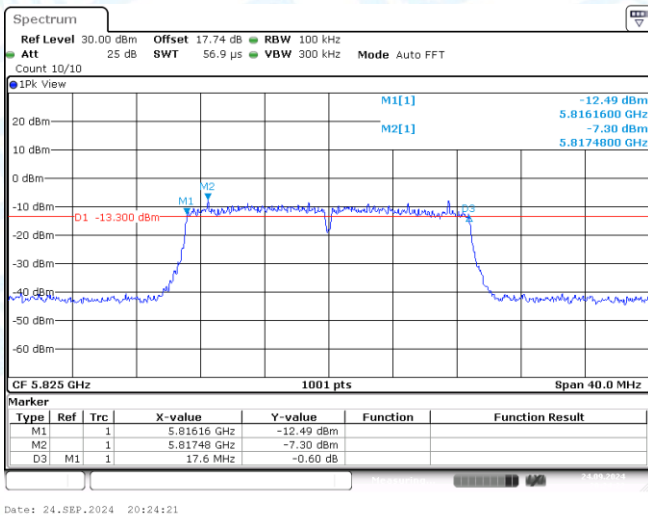
11N20MIMO-Ant2-5745-PASS



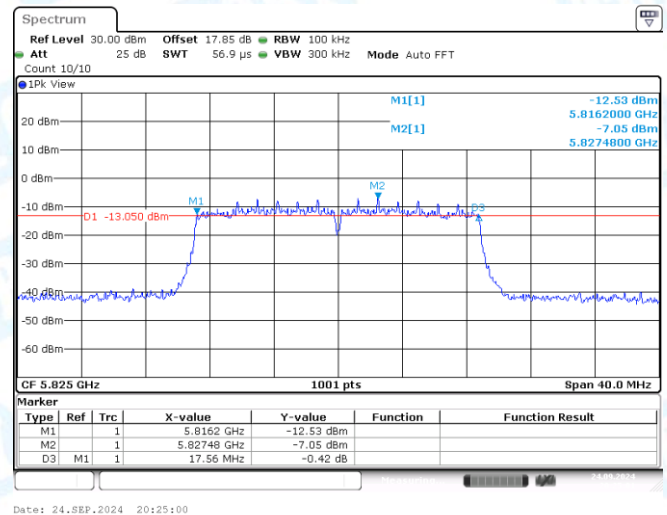
11N20MIMO-Ant1-5785-PASS



11N20MIMO-Ant2-5785-PASS



11N20MIMO-Ant1-5825-PASS



11N20MIMO-Ant2-5825-PASS