

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

General Description of EUT	
Product Name:	Lixel L2 300 V1
Test Model:	Lixel
Sample ID:	HC-C-202309-0278-02-02-2#
Environmental Conditions	
Temperature:	24 °C
Relative Humidity:	50%
Test Voltage:	DC 14.4V
Test Engineer:	Liyijing
Note: For a more detailed features description, please refer to the report TBR-C-202309-0278-42	

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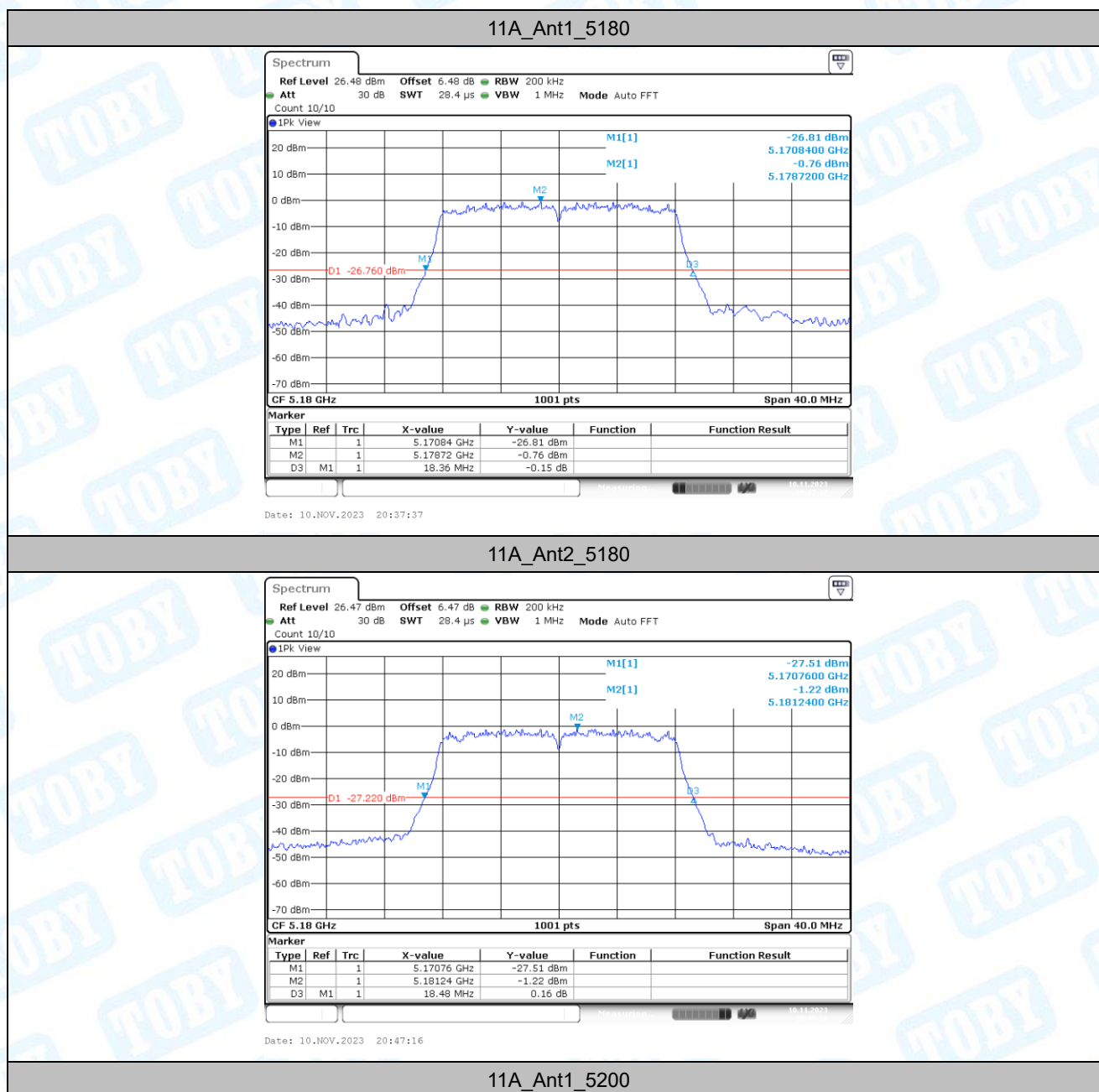
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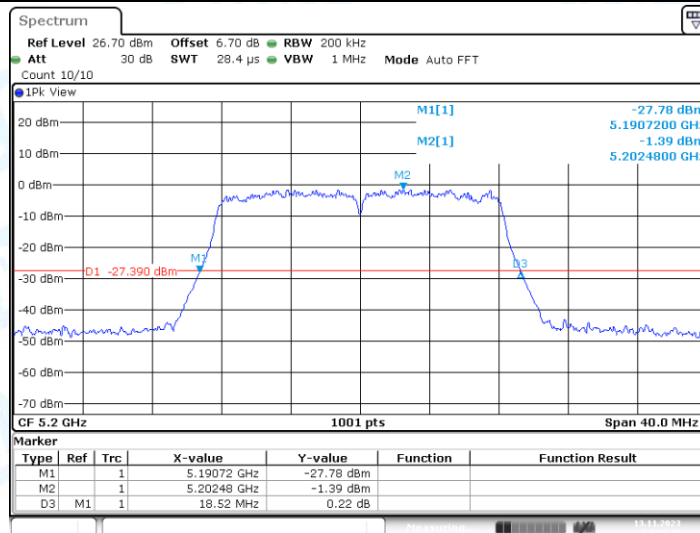
1. Emission Bandwidth

1.1. Test Result

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	18.36	5170.84	5189.20	---	---
	Ant2	5180	18.48	5170.76	5189.24	---	---
	Ant1	5200	18.52	5190.72	5209.24	---	---
	Ant2	5200	18.44	5190.76	5209.20	---	---
	Ant1	5240	18.32	5230.80	5249.12	---	---
	Ant2	5240	18.36	5230.84	5249.20	---	---
11N20MIMO	Ant1	5180	19.44	5170.28	5189.72	---	---
	Ant2	5180	19.40	5170.32	5189.72	---	---
	Ant1	5200	19.44	5190.32	5209.76	---	---
	Ant2	5200	19.40	5190.28	5209.68	---	---
	Ant1	5240	19.40	5230.20	5249.60	---	---
	Ant2	5240	19.32	5230.28	5249.60	---	---
11N40MIMO	Ant1	5190	41.44	5168.96	5210.40	---	---
	Ant2	5190	41.44	5169.20	5210.64	---	---
	Ant1	5230	41.36	5209.52	5250.88	---	---
	Ant2	5230	41.44	5209.28	5250.72	---	---
11AC20MIMO	Ant1	5180	19.36	5170.32	5189.68	---	---
	Ant2	5180	19.32	5170.36	5189.68	---	---
	Ant1	5200	19.32	5190.36	5209.68	---	---
	Ant2	5200	19.48	5190.24	5209.72	---	---
	Ant1	5240	19.40	5230.28	5249.68	---	---
	Ant2	5240	19.56	5230.24	5249.80	---	---
11AC40MIMO	Ant1	5190	41.84	5169.04	5210.88	---	---
	Ant2	5190	41.12	5169.20	5210.32	---	---
	Ant1	5230	40.48	5209.84	5250.32	---	---
	Ant2	5230	41.04	5209.60	5250.64	---	---
11AC80MIMO	Ant1	5210	79.68	5170.16	5249.84	---	---
	Ant2	5210	80.32	5169.84	5250.16	---	---

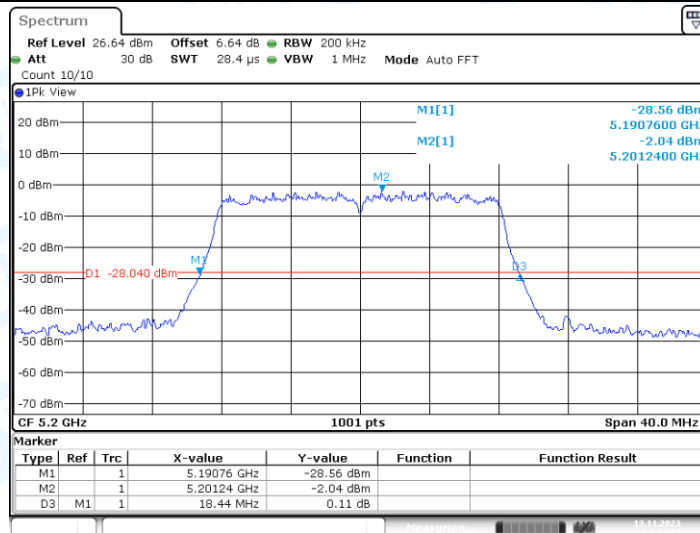
2.1. Test Graphs





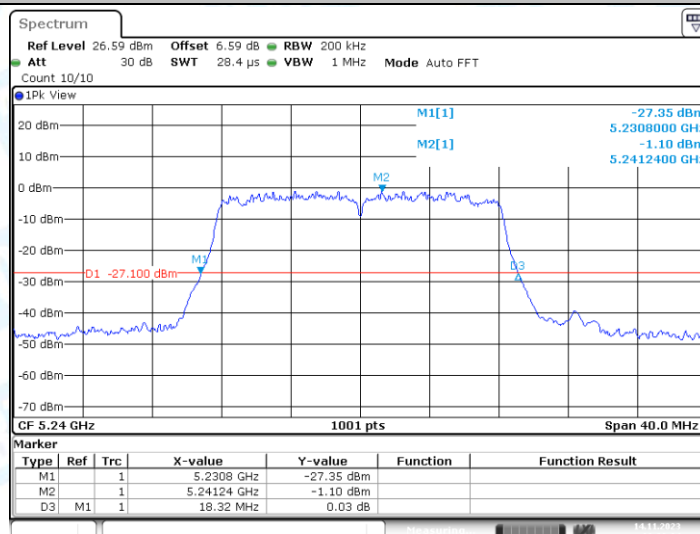
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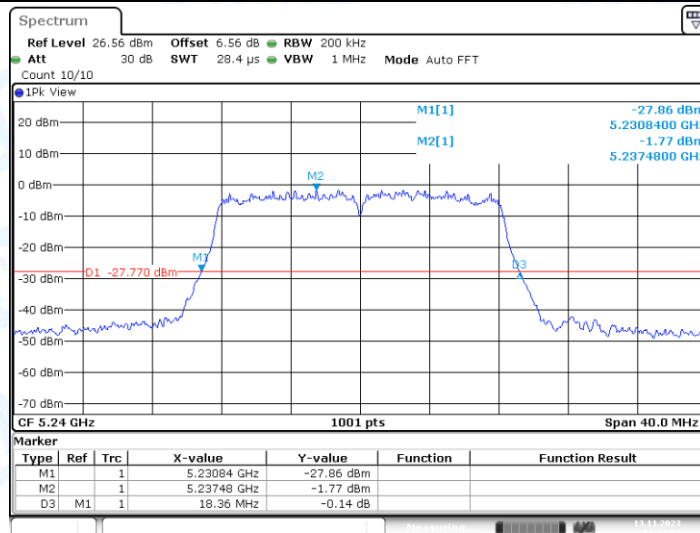
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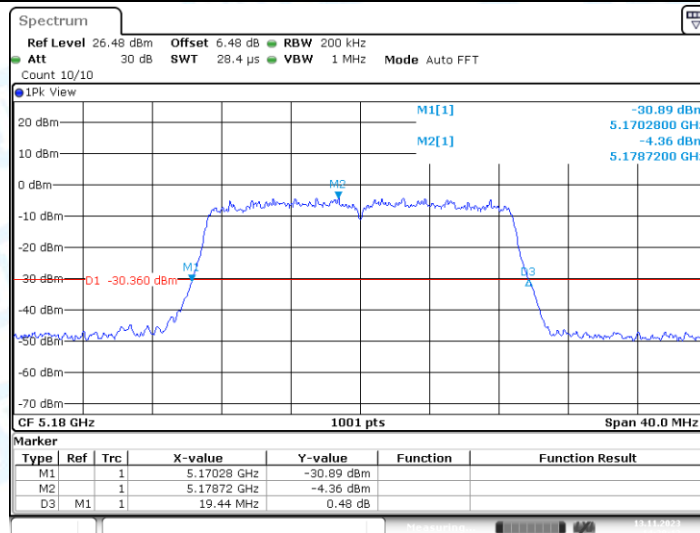
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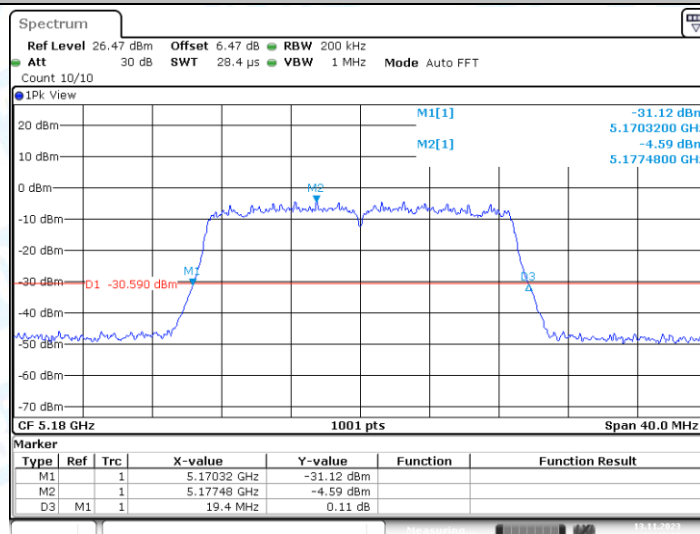
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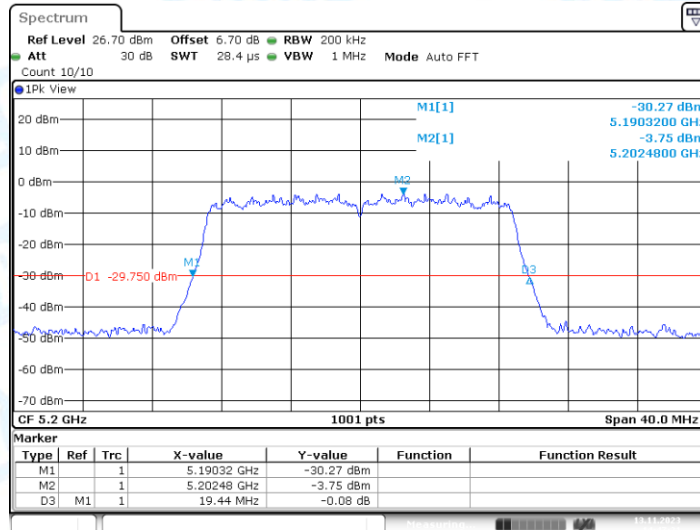
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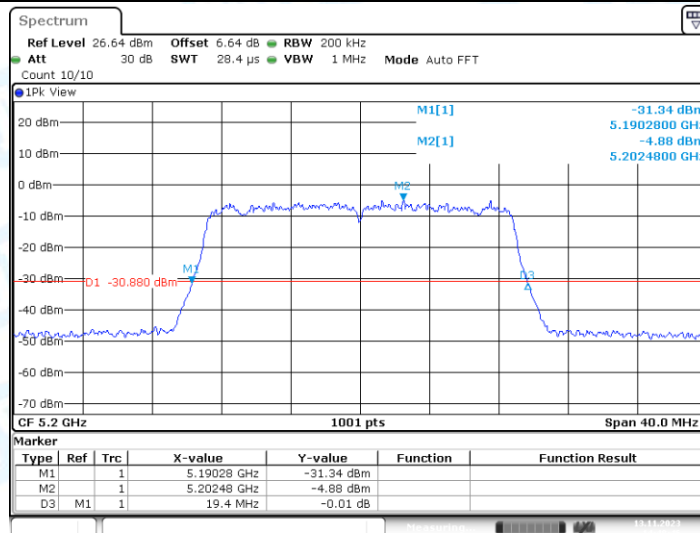
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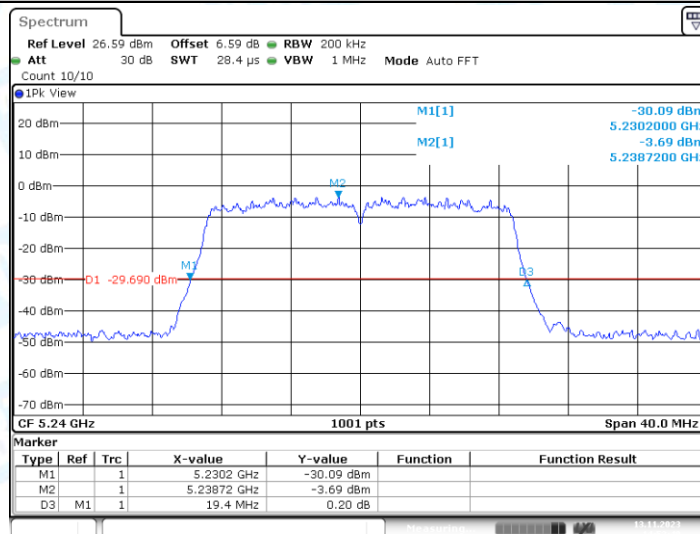
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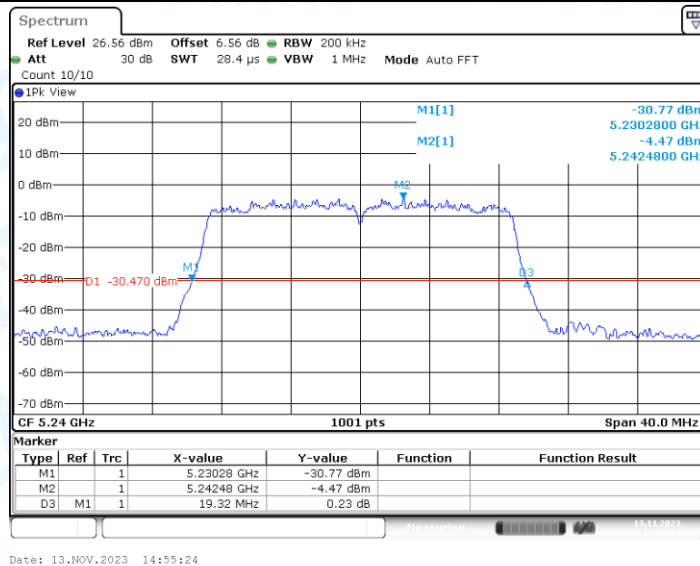
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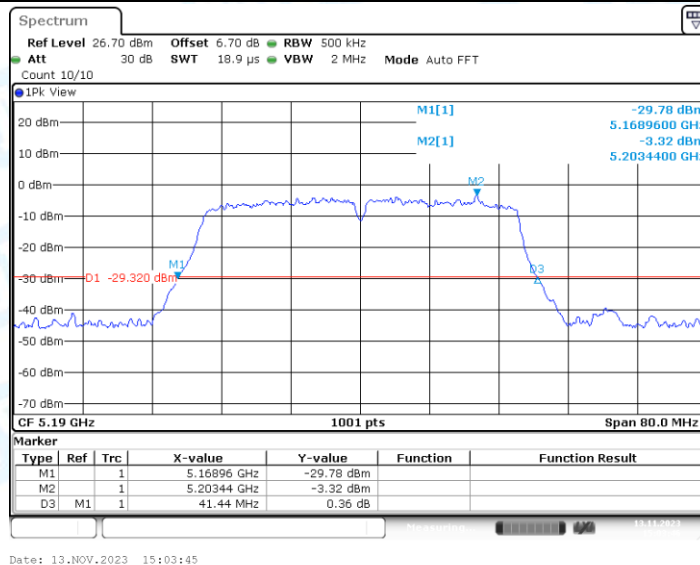


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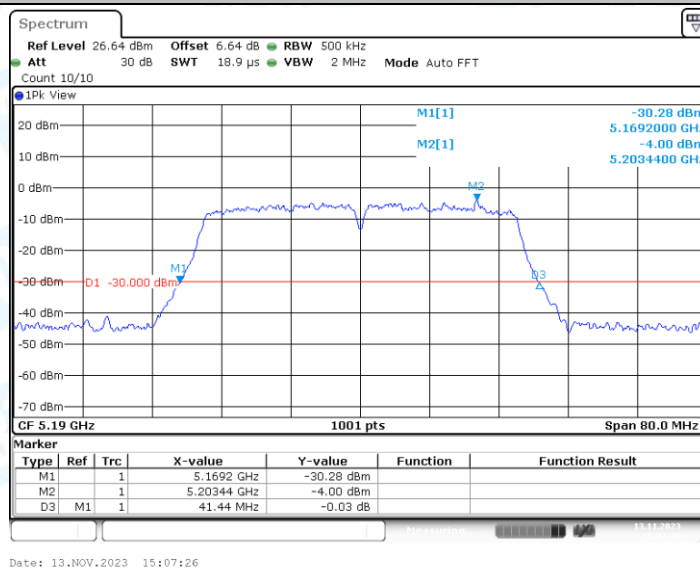
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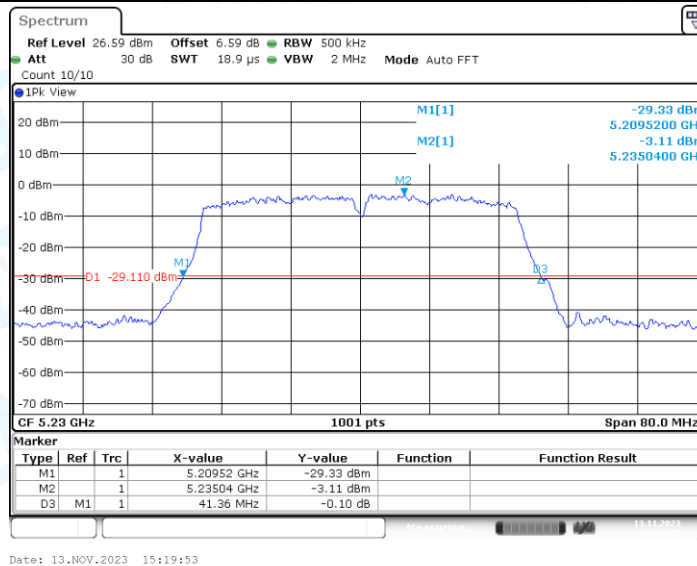
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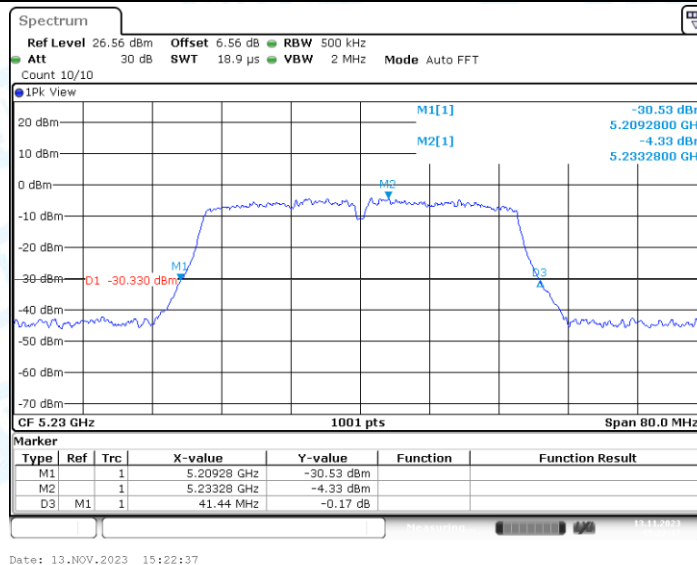
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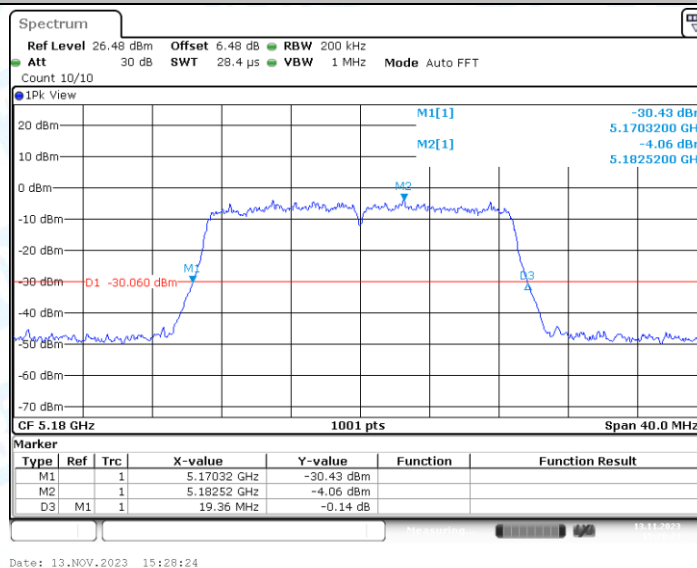
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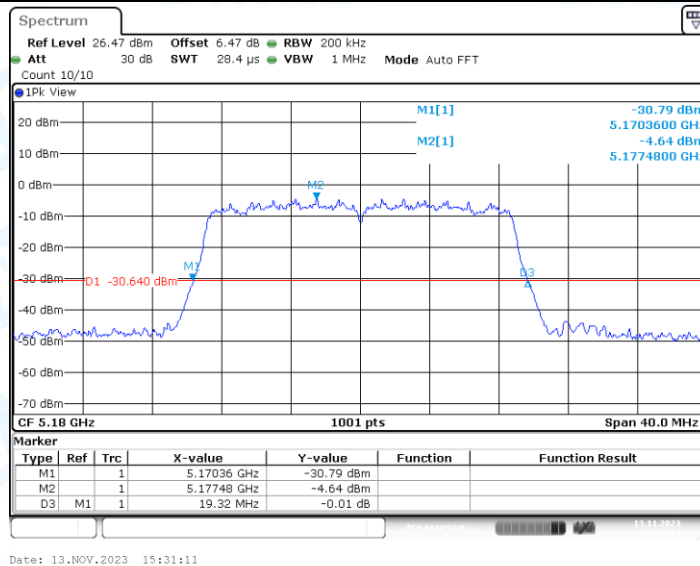
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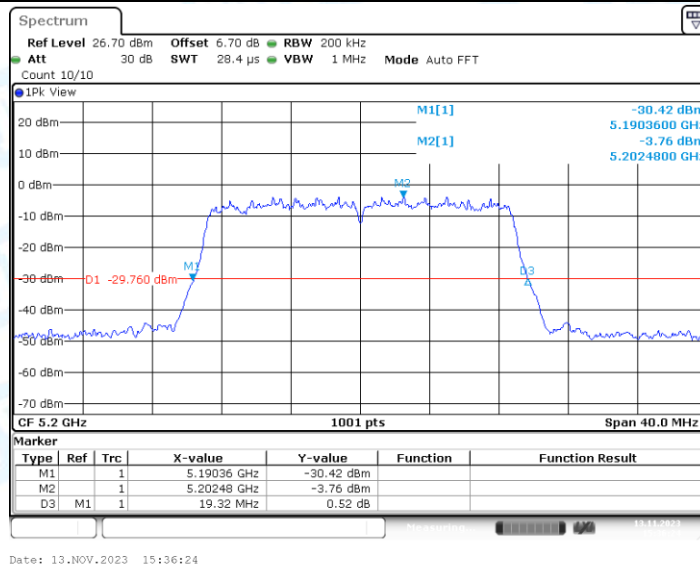
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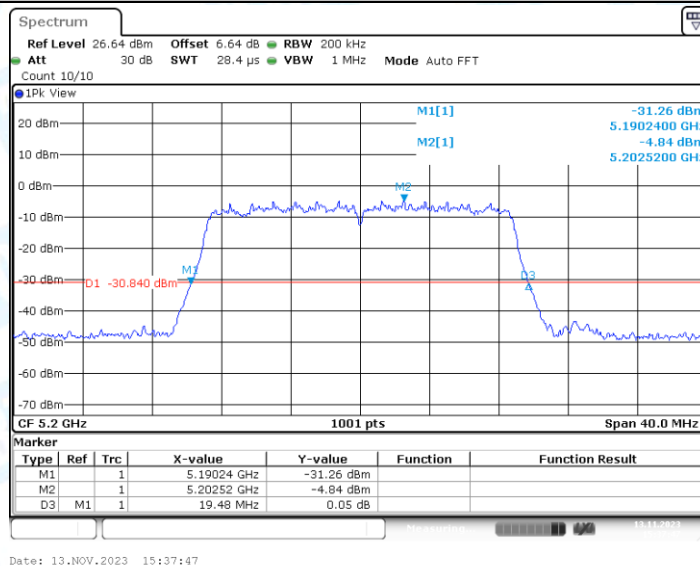
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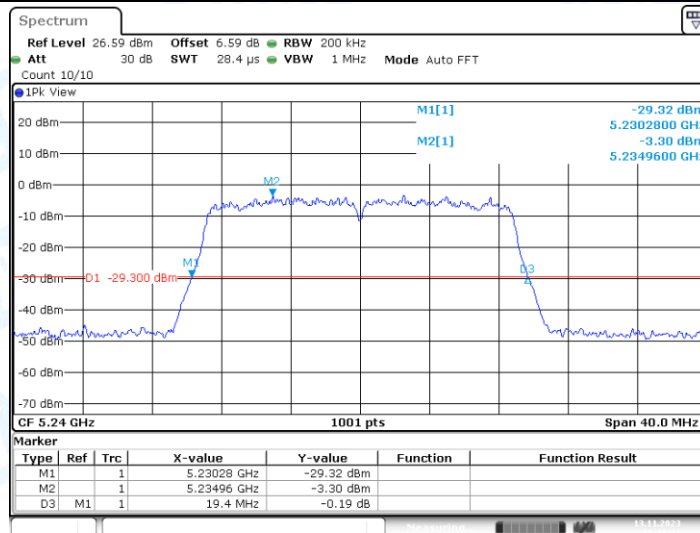
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11AC20MIMO_Ant2_5200

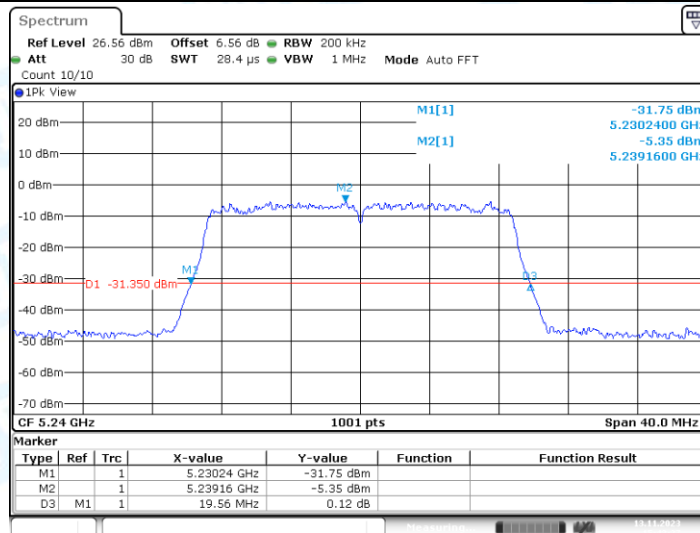


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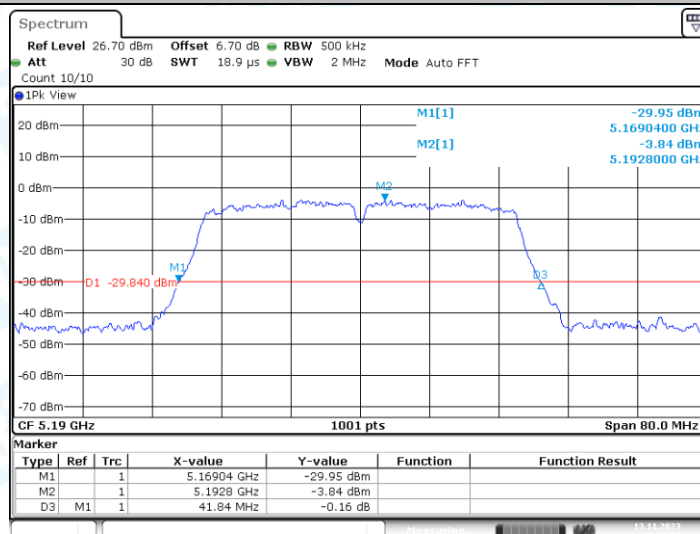
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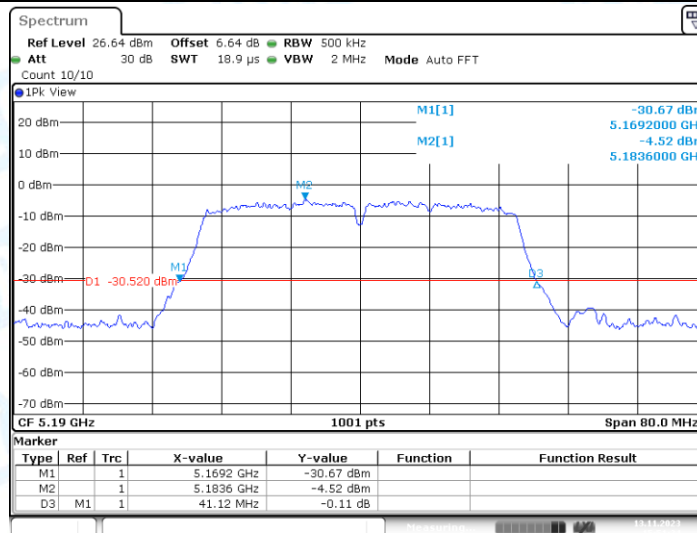
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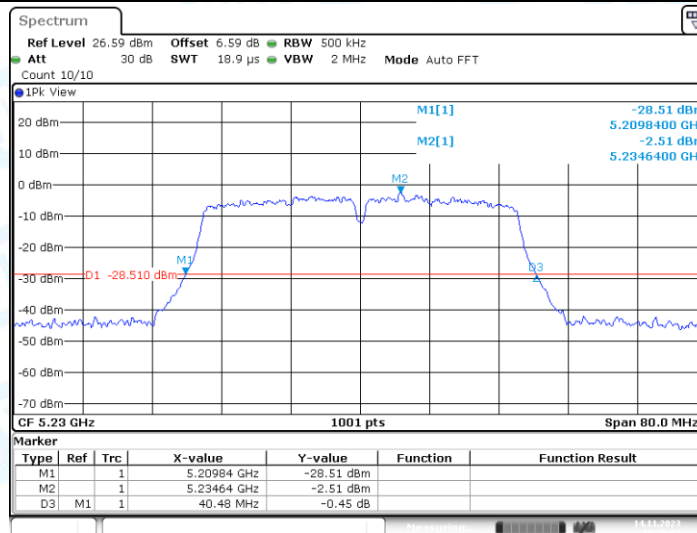
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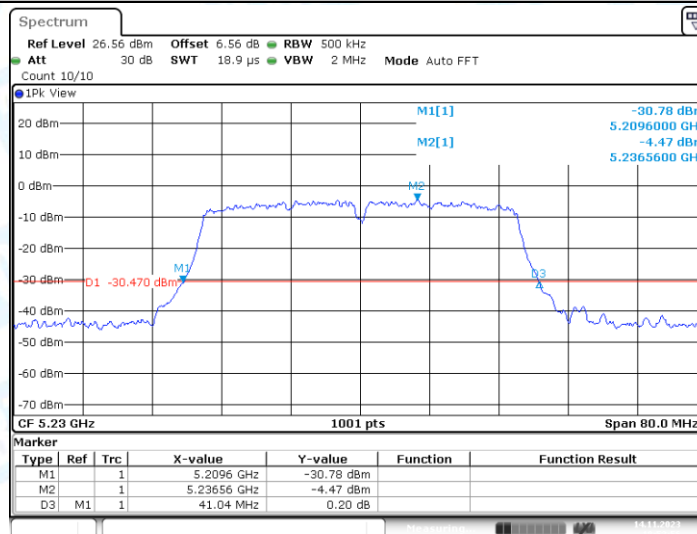
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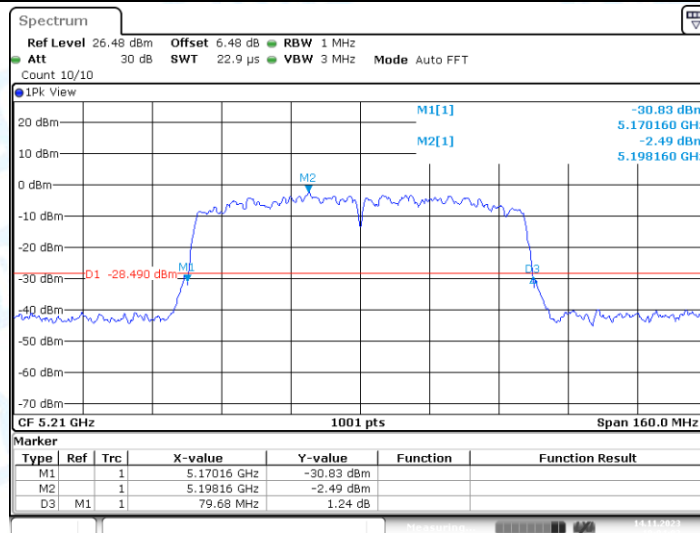
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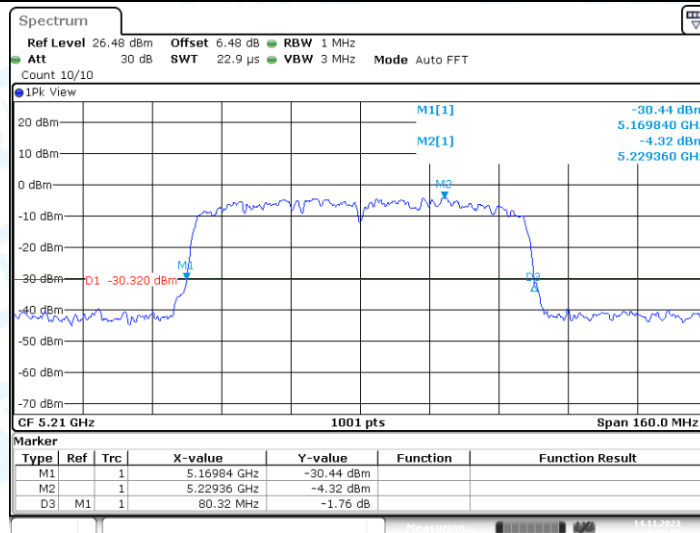
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Date: 14.NOV.2023 19:08:00

2. Occupied channel bandwidth

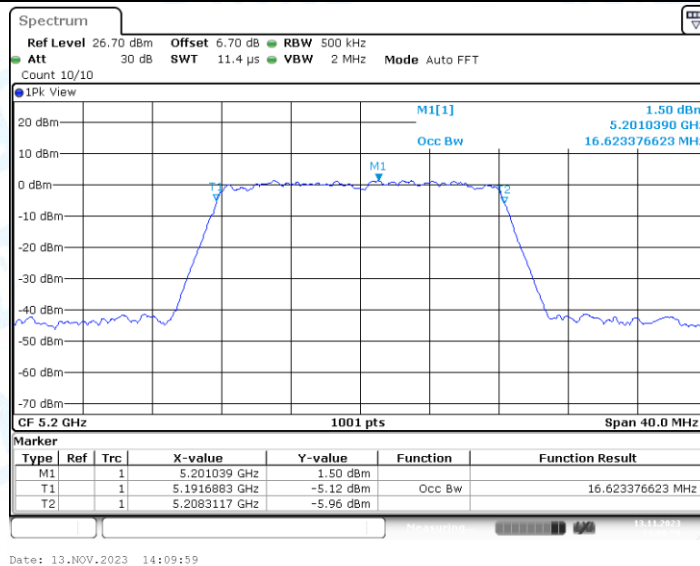
2.1. Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.543	5171.6883	5188.2318	---	---
	Ant2	5180	16.503	5171.7283	5188.2318	---	---
	Ant1	5200	16.623	5191.6883	5208.3117	---	---
	Ant2	5200	16.543	5191.7283	5208.2717	---	---
	Ant1	5240	16.583	5231.6484	5248.2318	---	---
	Ant2	5240	16.503	5231.7283	5248.2318	---	---
	Ant1	5745	16.543	5736.6883	5753.2318	---	---
	Ant2	5745	16.543	5736.6883	5753.2318	---	---
	Ant1	5785	16.583	5776.6883	5793.2717	---	---
	Ant2	5785	18.861	5775.7692	5794.6304	---	---
	Ant1	5825	16.503	5816.7283	5833.2318	---	---
	Ant2	5825	17.502	5816.5285	5834.0310	---	---
11N20MIMO	Ant1	5180	17.622	5171.1688	5188.7912	---	---
	Ant2	5180	17.622	5171.1688	5188.7912	---	---
	Ant1	5200	17.622	5191.2088	5208.8312	---	---
	Ant2	5200	17.702	5191.1289	5208.8312	---	---
	Ant1	5240	17.702	5231.0889	5248.7912	---	---
	Ant2	5240	17.582	5231.2088	5248.7912	---	---
	Ant1	5745	17.662	5736.1289	5753.7912	---	---
	Ant2	5745	18.182	5735.6494	5753.8312	---	---
	Ant1	5785	17.742	5776.1289	5793.8711	---	---
	Ant2	5785	18.062	5776.0490	5794.1109	---	---
	Ant1	5825	17.702	5816.1688	5833.8711	---	---
	Ant2	5825	17.982	5816.0090	5833.9910	---	---
11N40MIMO	Ant1	5190	36.284	5171.8581	5208.1419	---	---
	Ant2	5190	36.284	5171.8581	5208.1419	---	---
	Ant1	5230	36.284	5211.7782	5248.0619	---	---
	Ant2	5230	36.683	5211.7782	5248.4615	---	---
	Ant1	5755	36.603	5736.5385	5773.1419	---	---
	Ant2	5755	36.843	5736.2188	5773.0619	---	---
	Ant1	5795	36.124	5777.0180	5813.1419	---	---
	Ant2	5795	36.763	5776.6184	5813.3816	---	---
11AC20MIMO	Ant1	5180	17.702	5171.1289	5188.8312	---	---
	Ant2	5180	17.662	5171.1289	5188.7912	---	---
	Ant1	5200	17.702	5191.1688	5208.8711	---	---
	Ant2	5200	17.742	5191.1289	5208.8711	---	---
	Ant1	5240	17.702	5231.1289	5248.8312	---	---
	Ant2	5240	17.702	5231.1289	5248.8312	---	---
	Ant1	5745	17.662	5736.1688	5753.8312	---	---
	Ant2	5745	18.462	5735.6893	5754.1508	---	---

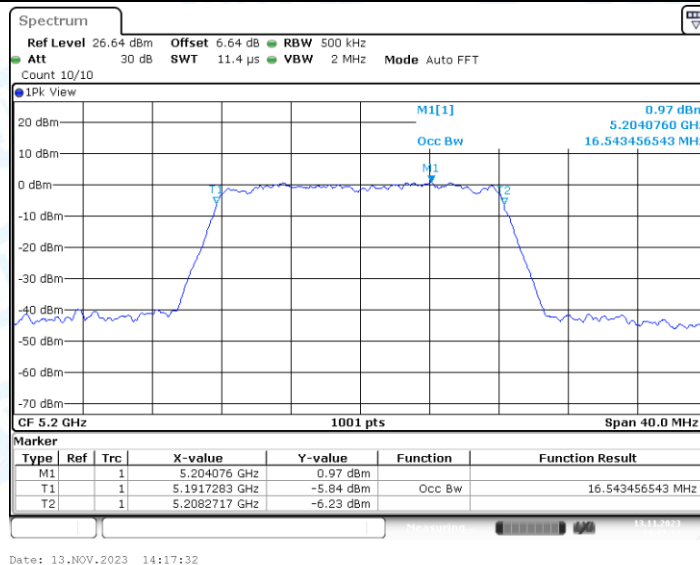
	Ant1	5785	17.742	5776.1289	5793.8711	---	---
	Ant2	5785	18.262	5776.0090	5794.2707	---	---
	Ant1	5825	17.702	5816.1688	5833.8711	---	---
	Ant2	5825	17.862	5816.0889	5833.9510	---	---
11AC40MIMO	Ant1	5190	36.284	5171.9381	5208.2218	---	---
	Ant2	5190	36.683	5171.4585	5208.1419	---	---
	Ant1	5230	36.364	5211.9381	5248.3017	---	---
	Ant2	5230	36.204	5211.8581	5248.0619	---	---
	Ant1	5755	36.284	5736.8581	5773.1419	---	---
	Ant2	5755	37.562	5735.6593	5773.2218	---	---
	Ant1	5795	36.124	5776.9381	5813.0619	---	---
	Ant2	5795	36.763	5776.6983	5813.4615	---	---
11AC80MIMO	Ant1	5210	74.645	5172.9171	5247.5624	---	---
	Ant2	5210	75.445	5172.2777	5247.7223	---	---
	Ant1	5775	75.285	5737.2777	5812.5624	---	---
	Ant2	5775	74.965	5737.1179	5812.0829	---	---

2.2. Test Graphs

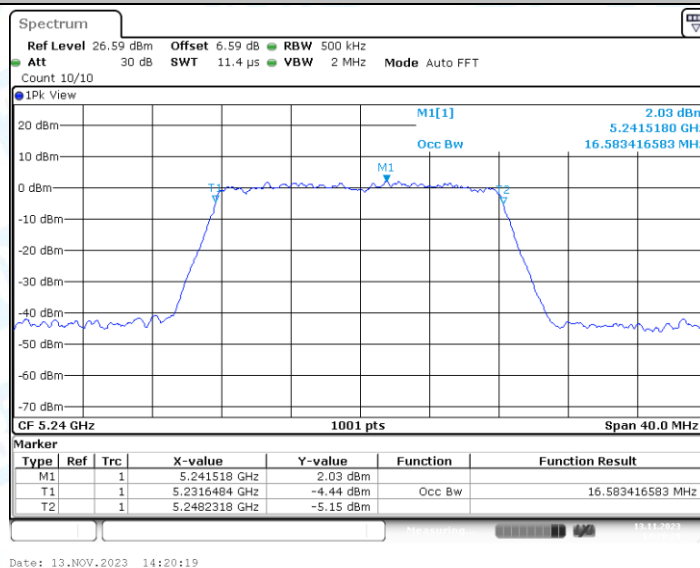




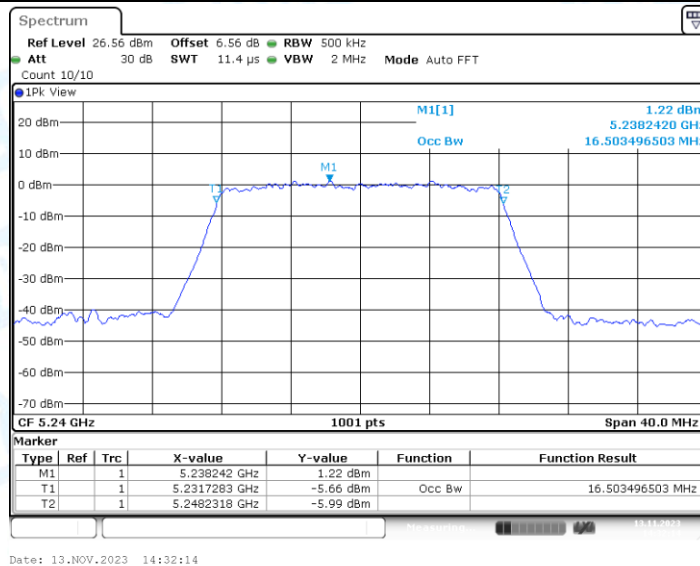
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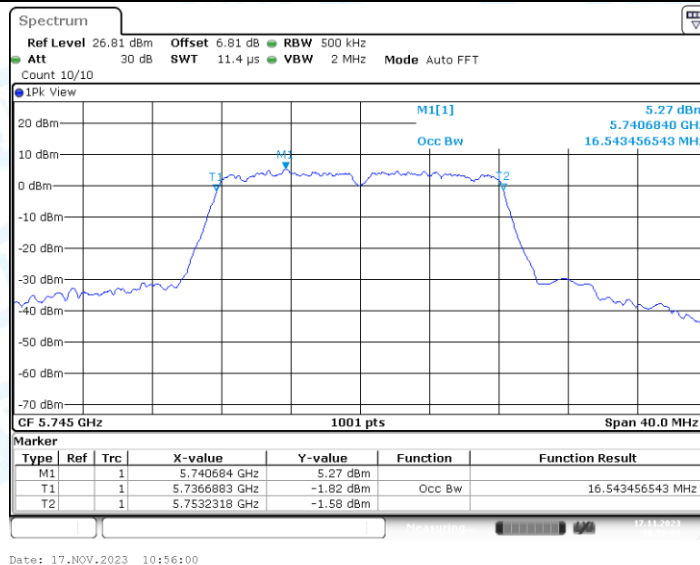
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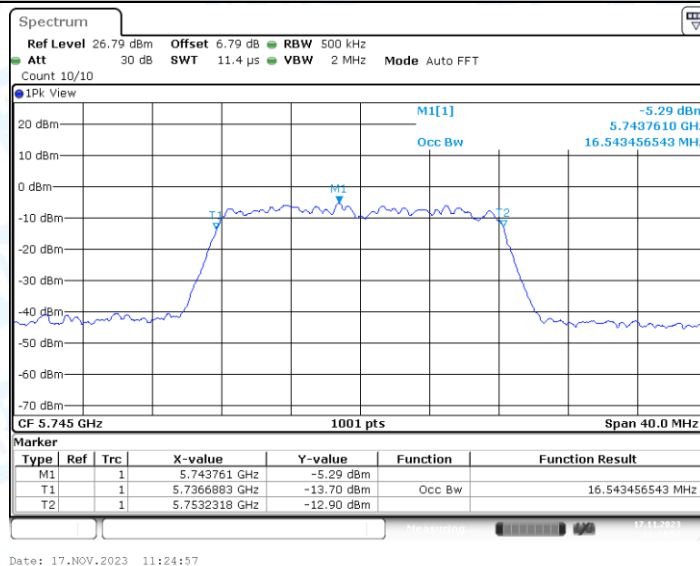
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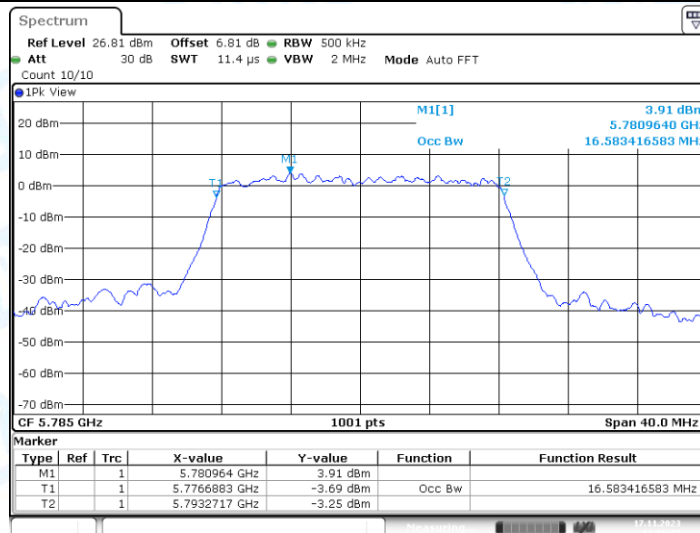
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11A_Ant2_5745

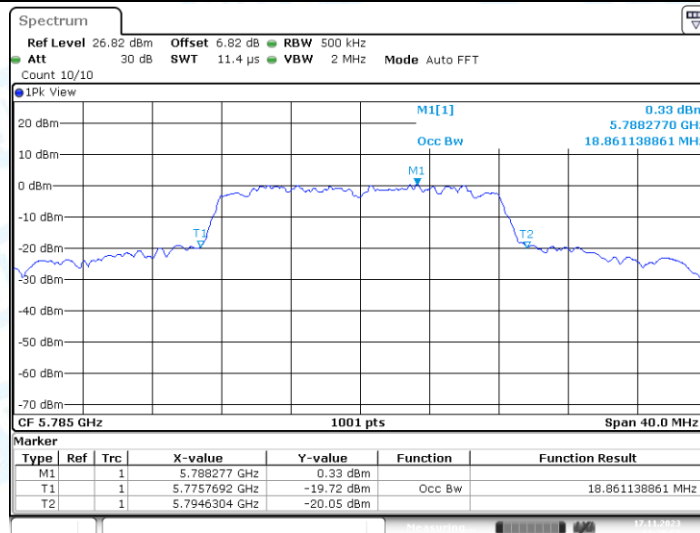


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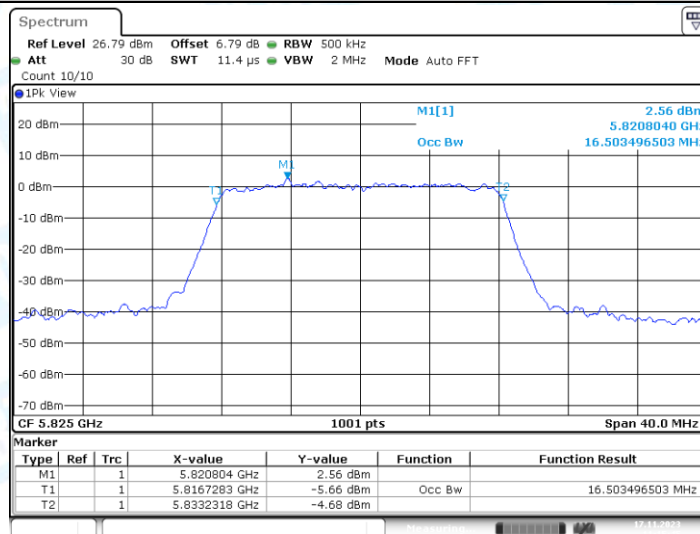
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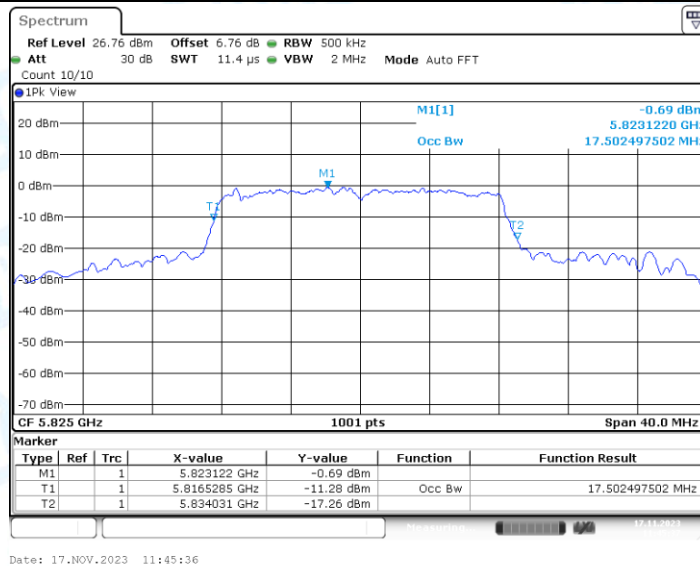
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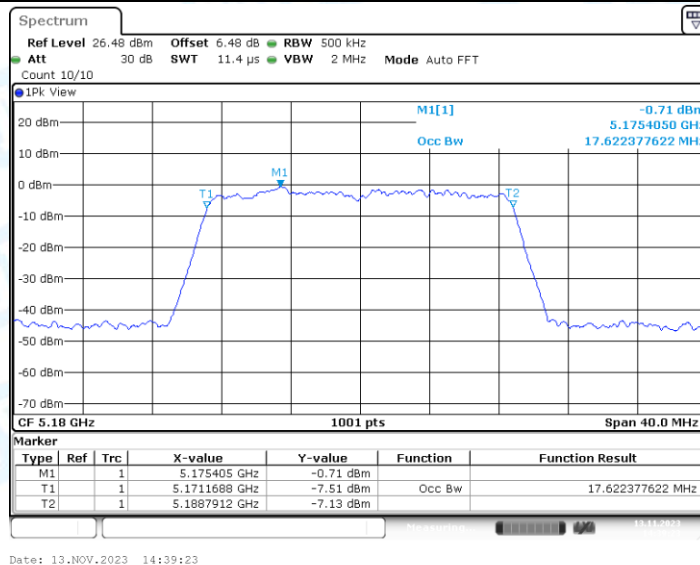


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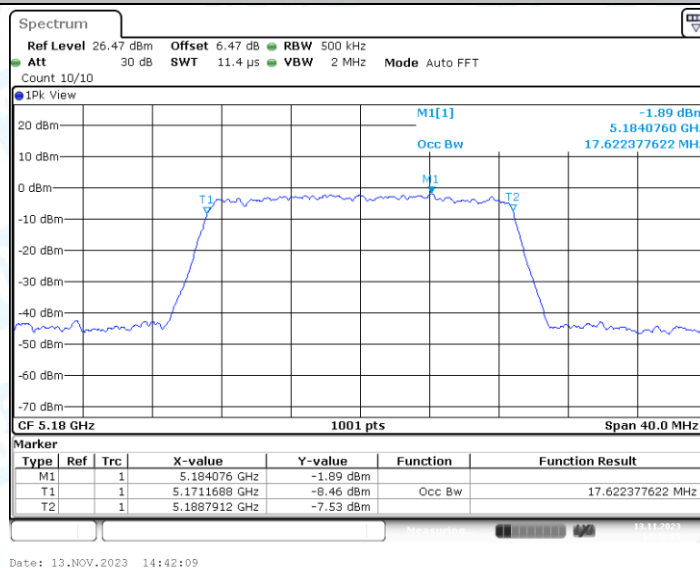
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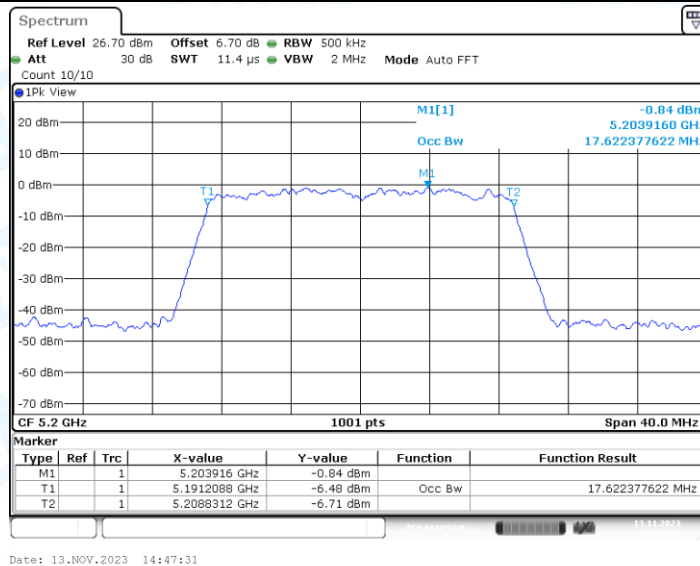
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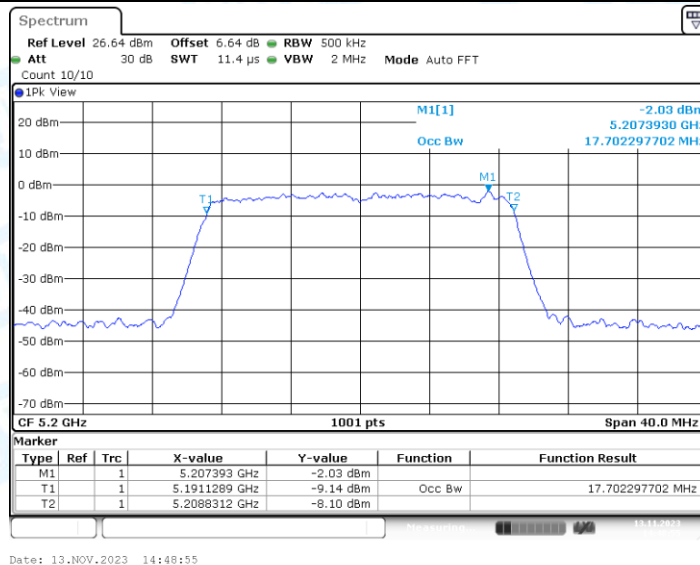
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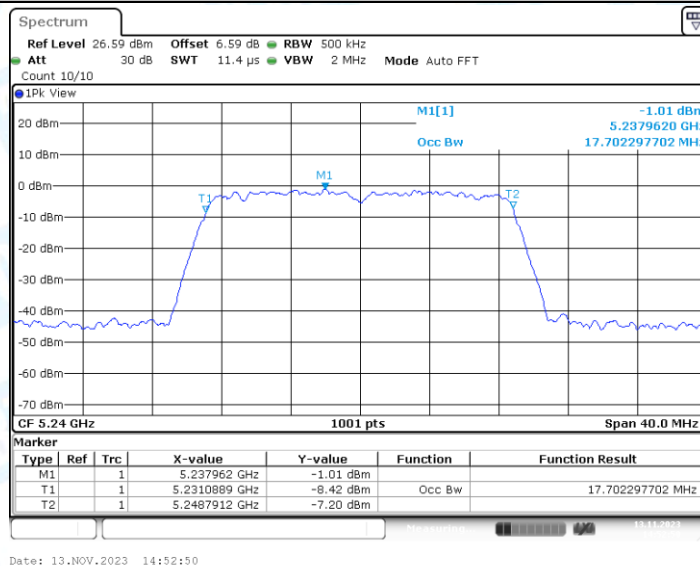
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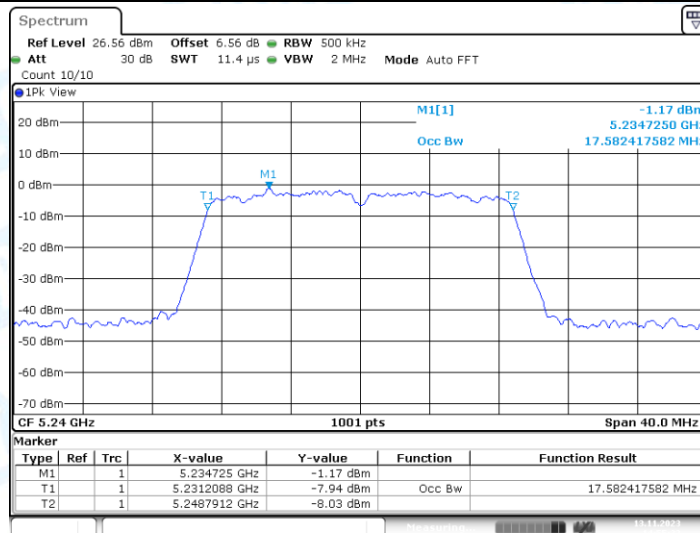
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11N20MIMO_Ant1_5240

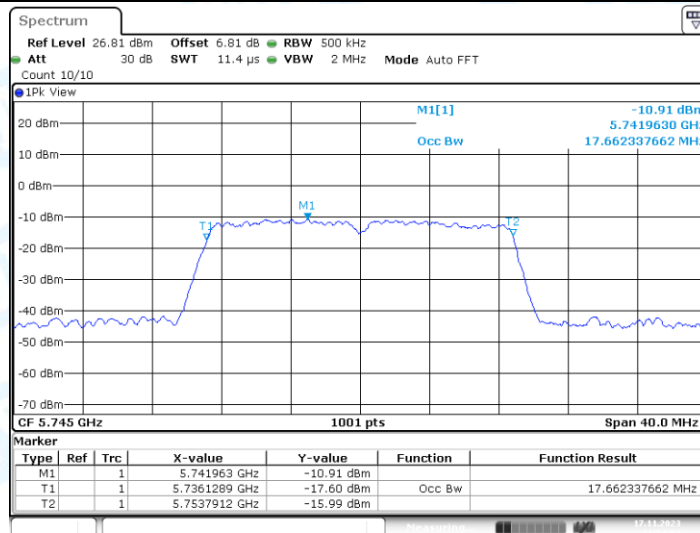


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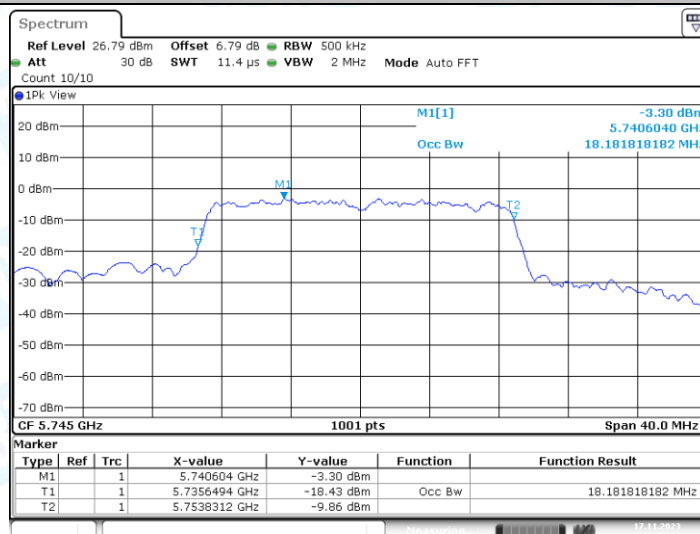
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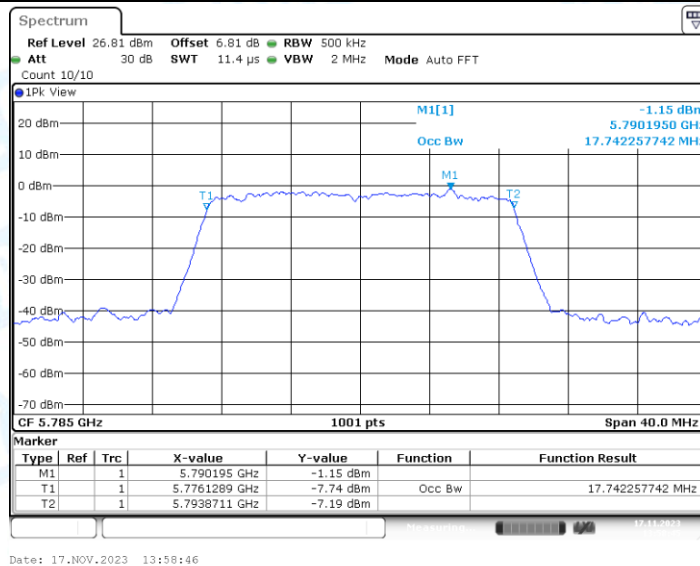
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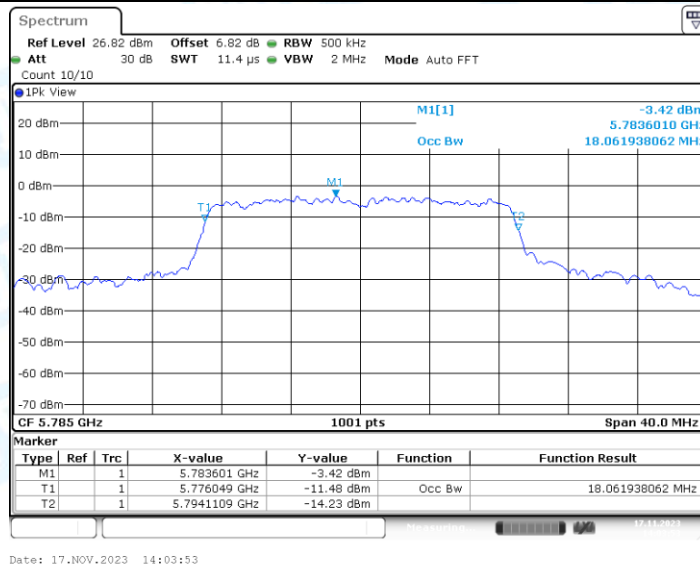


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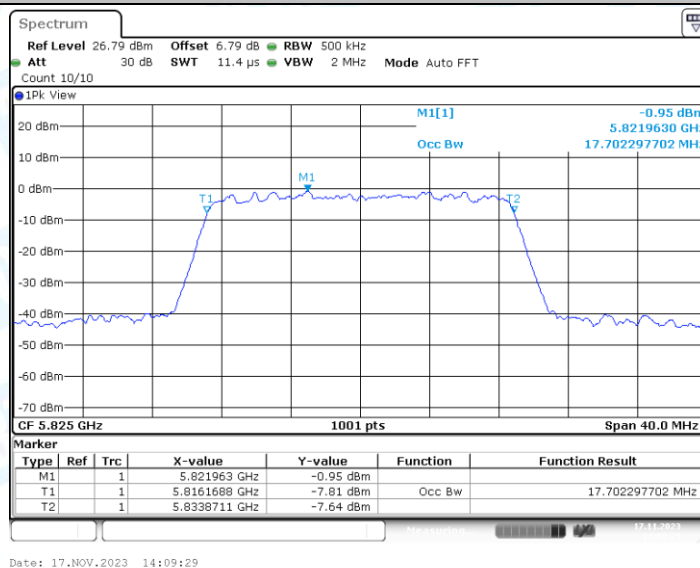
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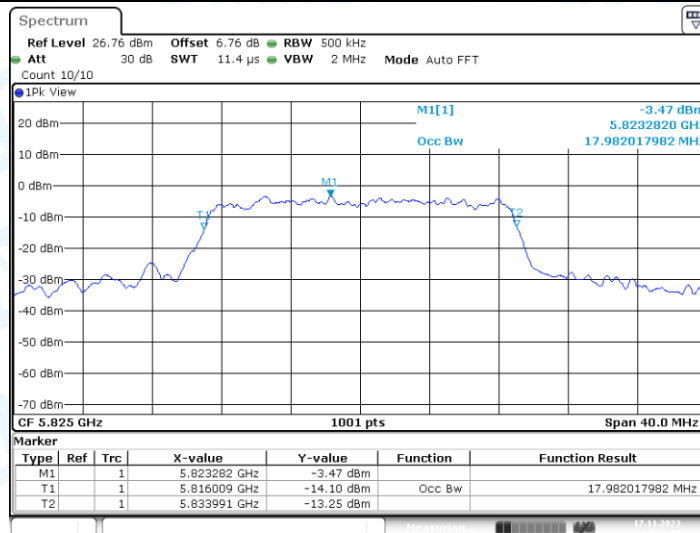
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11N20MIMO_Ant1_5825

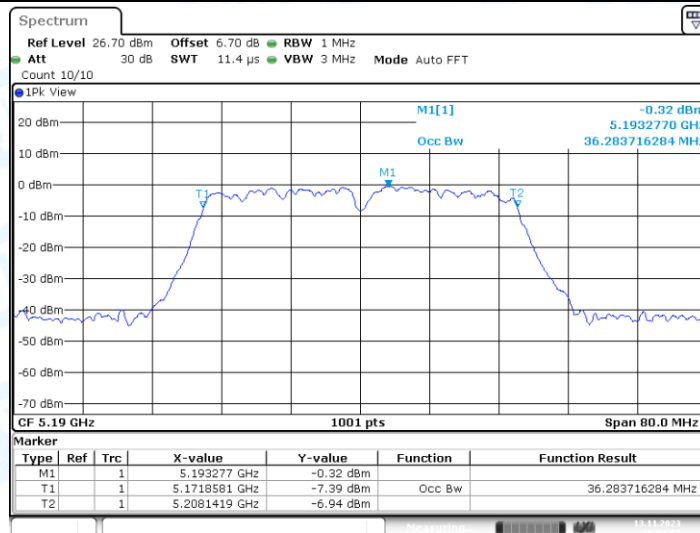


11N20MIMO_Ant2_5825



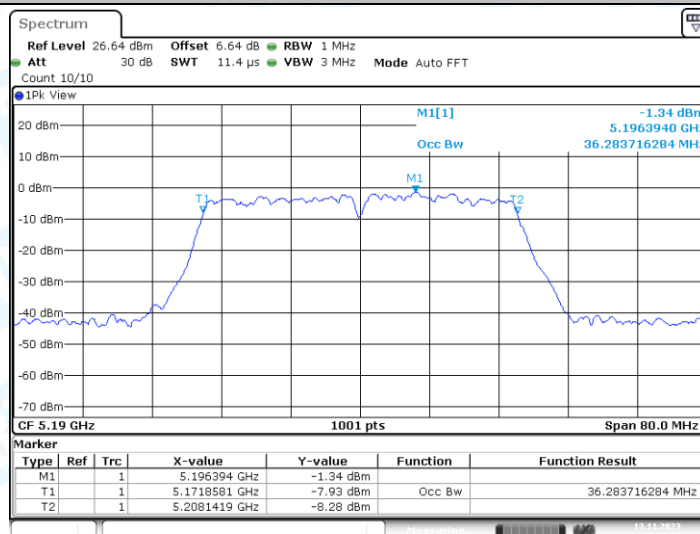
Date: 17.NOV.2023 14:15:51

11N40MIMO_Ant1_5190



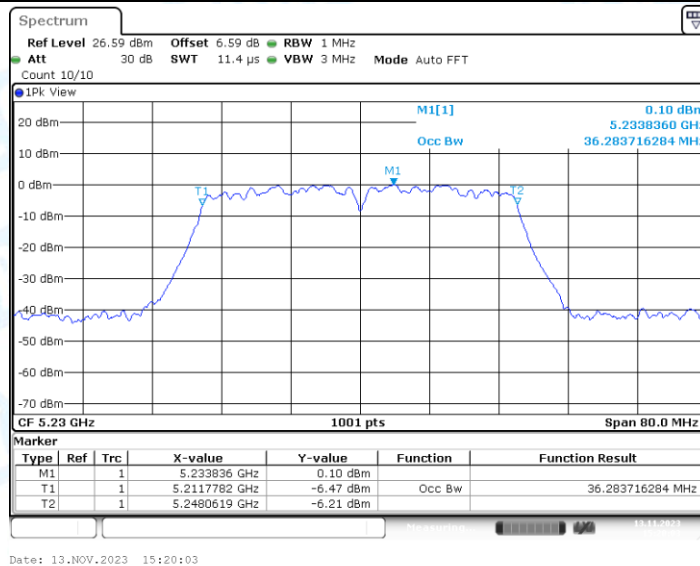
Date: 13.NOV.2023 15:03:55

11N40MIMO_Ant2_5190

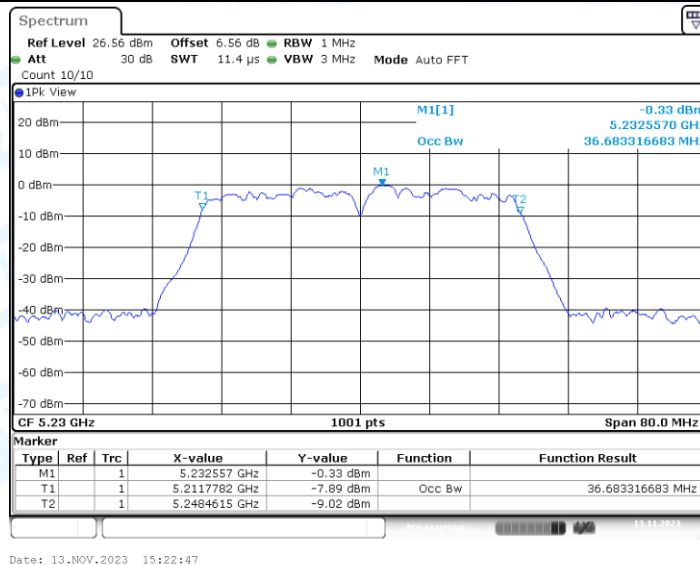


Date: 13.NOV.2023 15:07:36

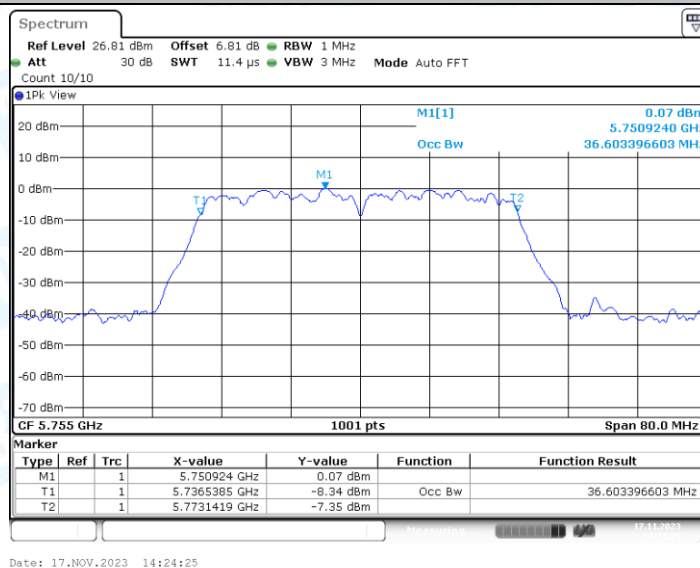
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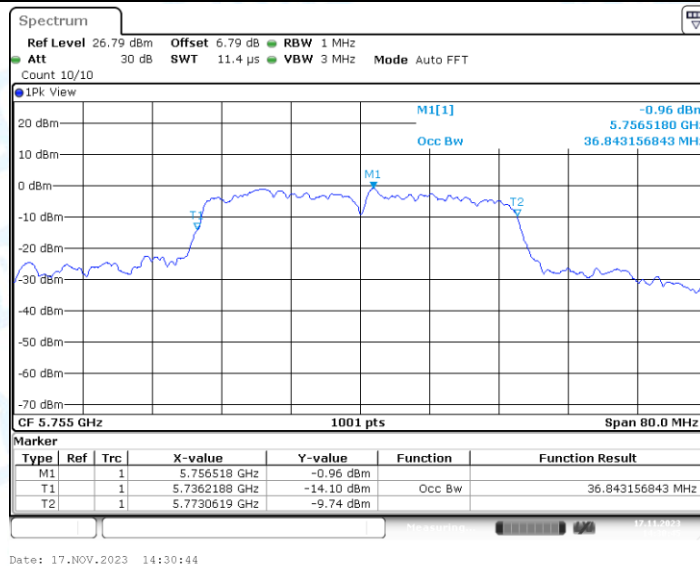
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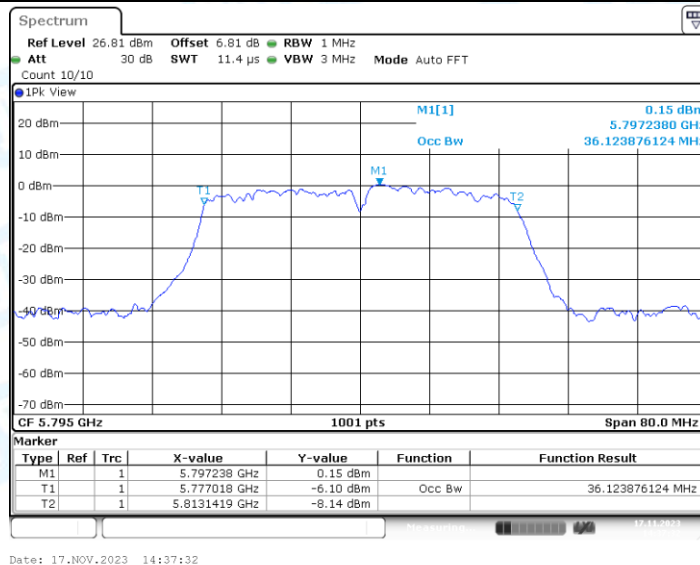
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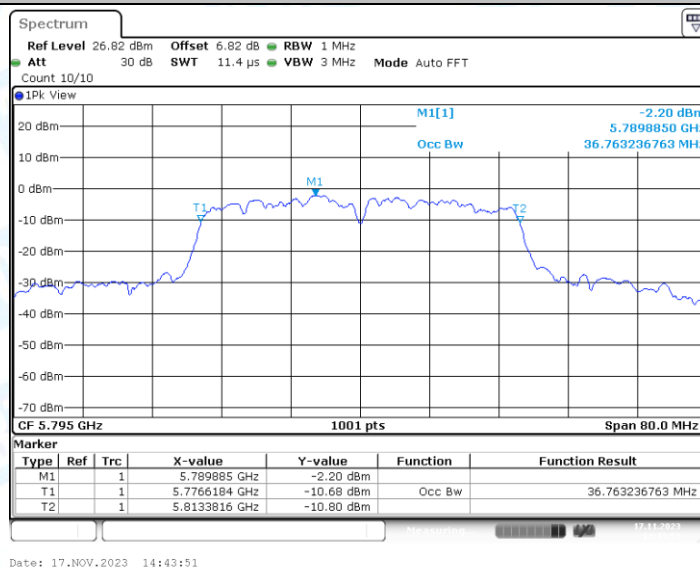
11N40MIMO_Ant2_5755



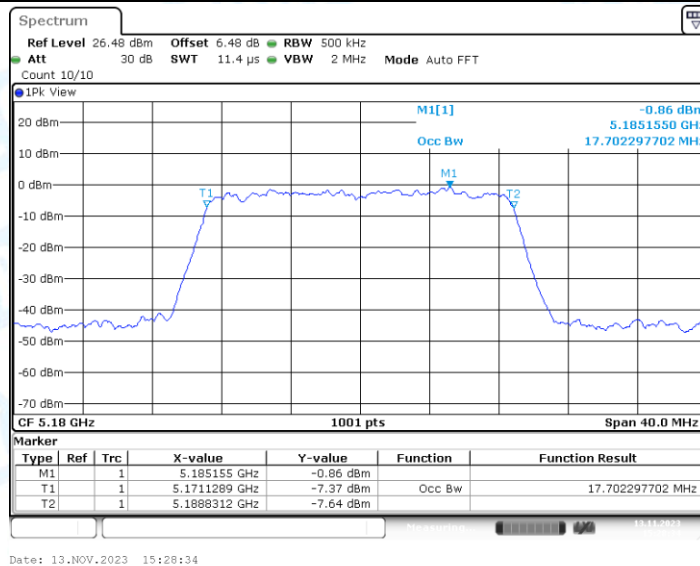
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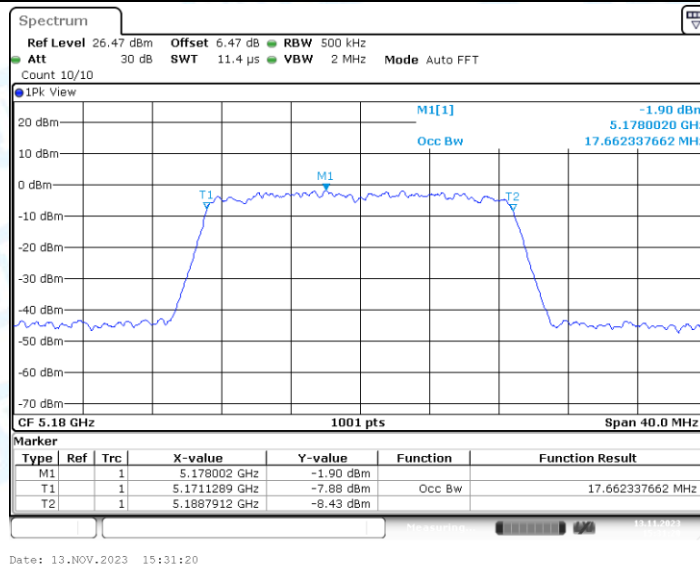
11N40MIMO_Ant2_5795



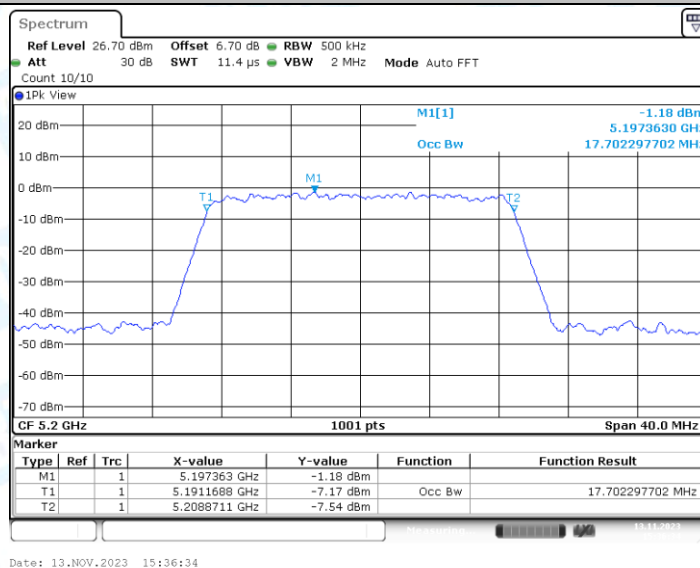
11AC20MIMO_Ant1_5180



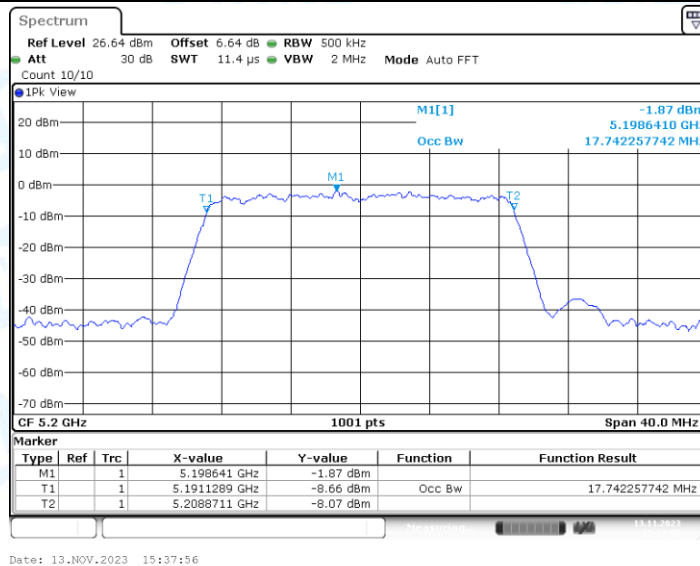
11AC20MIMO_Ant2_5180



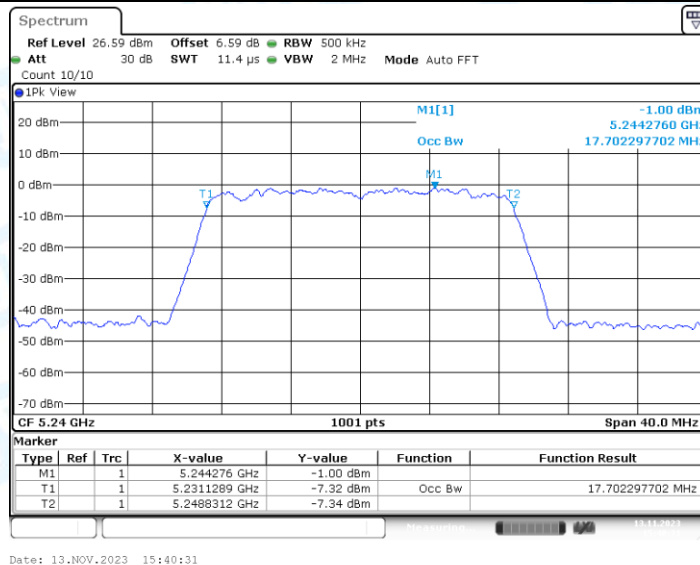
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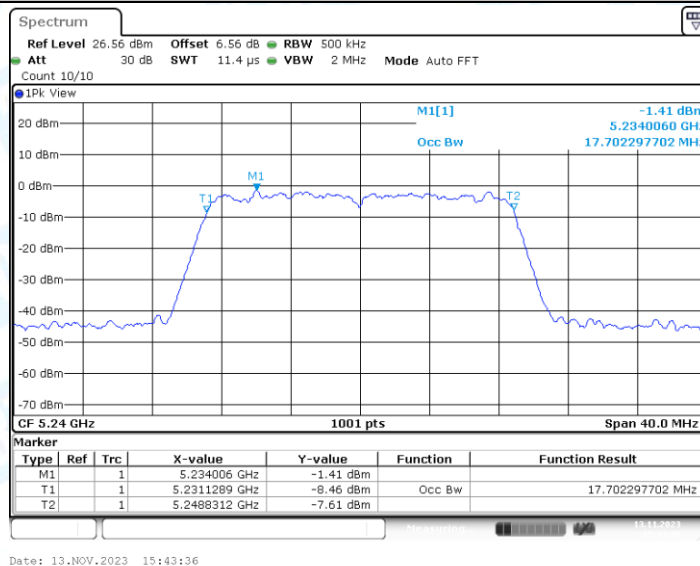
11AC20MIMO_Ant2_5200



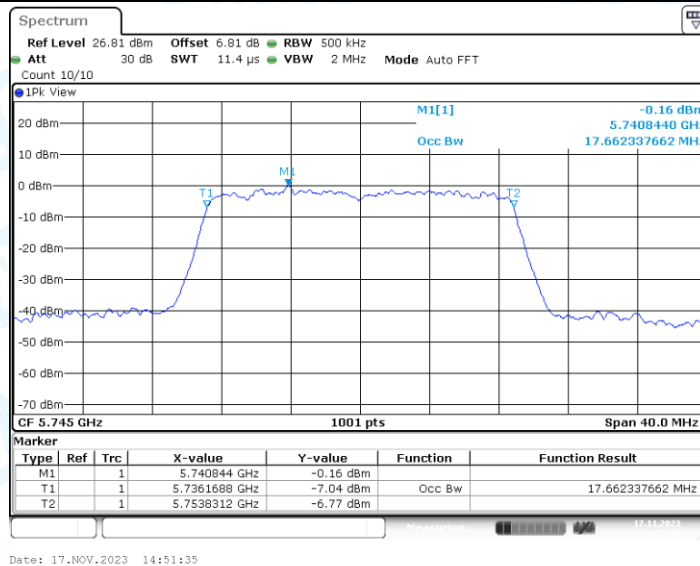
11AC20MIMO_Ant1_5240



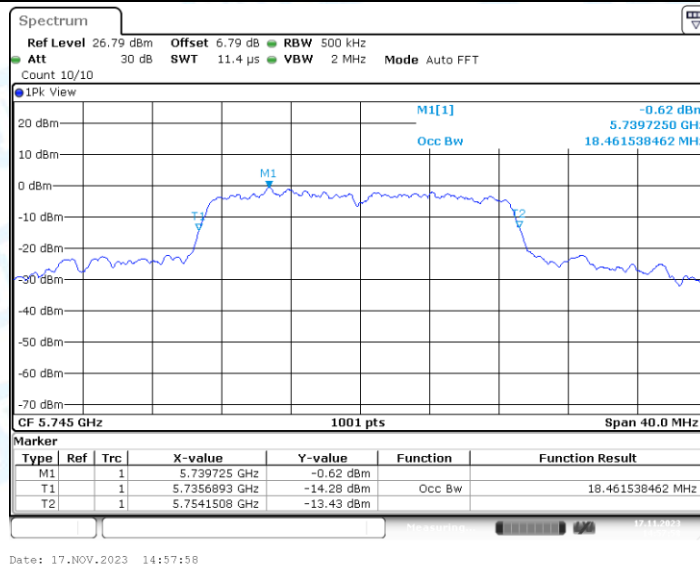
11AC20MIMO_Ant2_5240



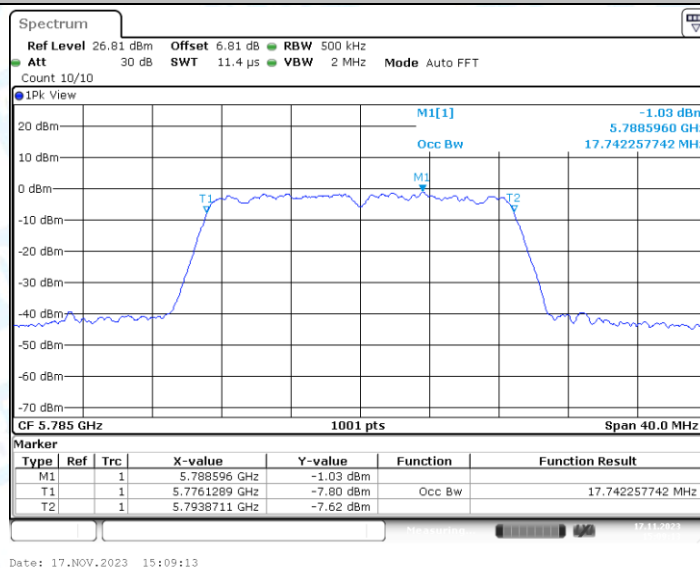
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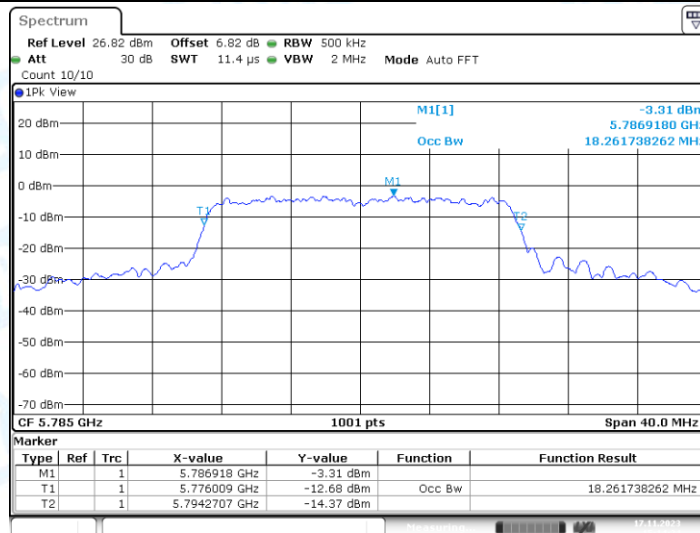
11AC20MIMO_Ant2_5745



11AC20MIMO_Ant1_5785

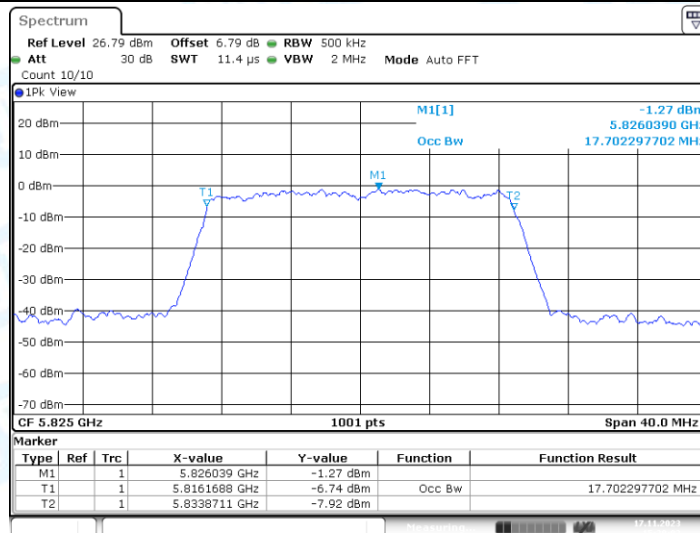


11AC20MIMO_Ant2_5785



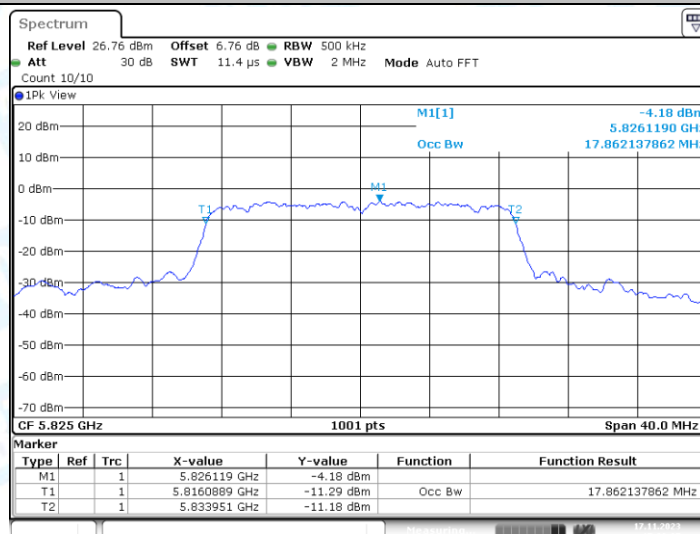
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11AC20MIMO_Ant1_5825



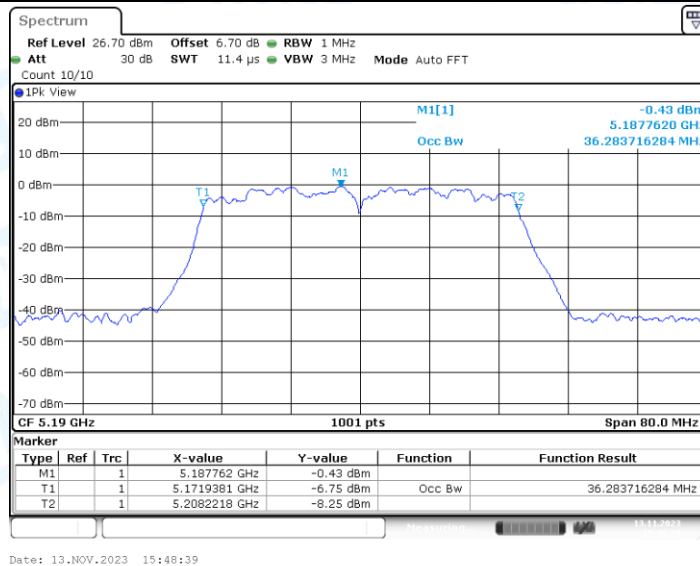
Date: 17.NOV.2023 15:20:02

11AC20MIMO_Ant2_5825

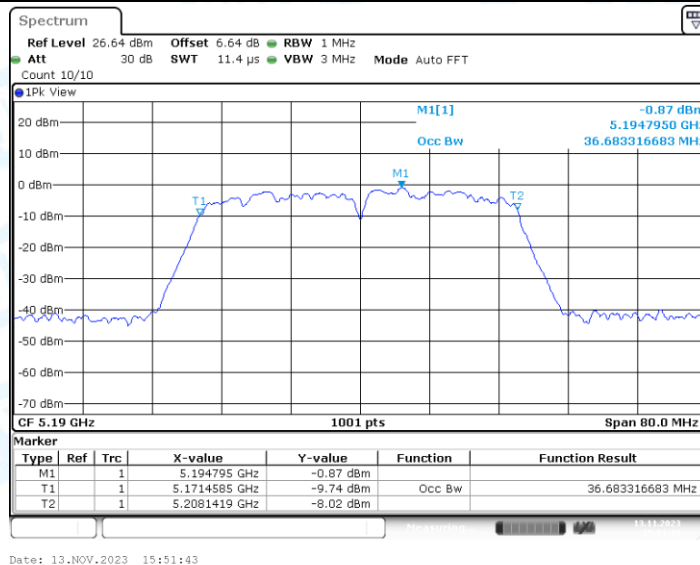


Date: 17.NOV.2023 15:26:25

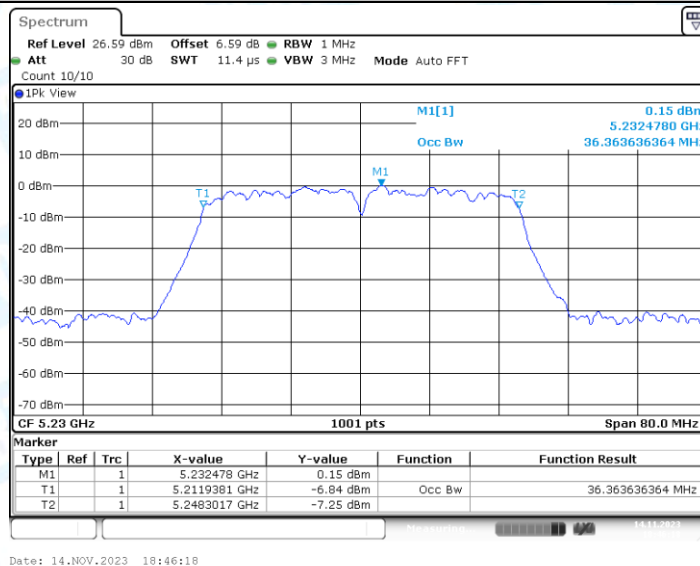
11AC40MIMO_Ant1_5190



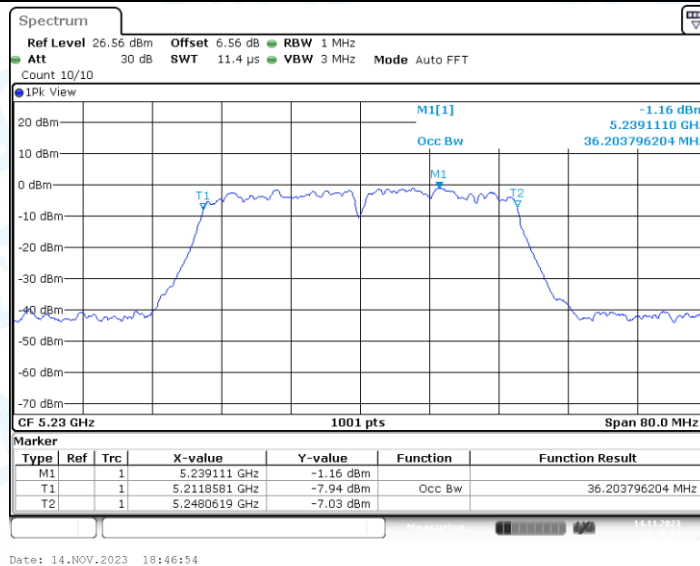
11AC40MIMO_Ant2_5190



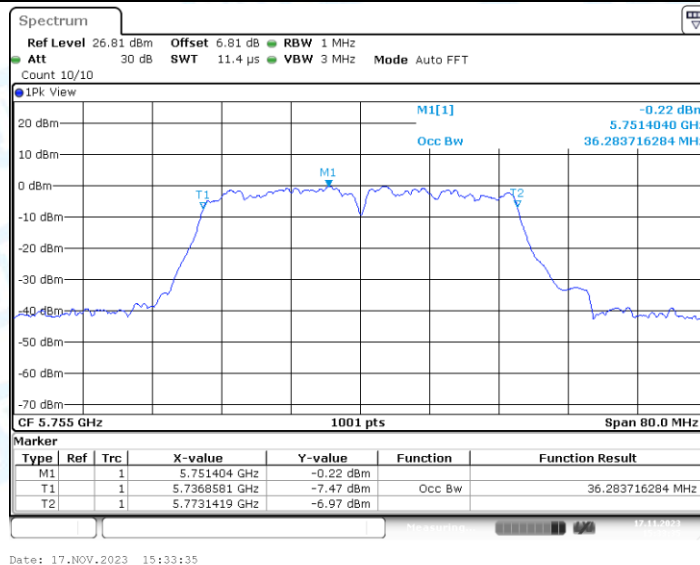
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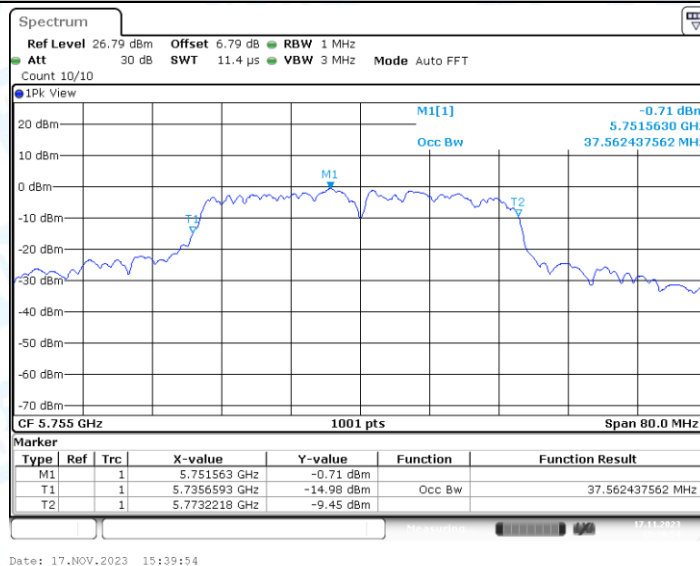
11AC40MIMO_Ant2_5230



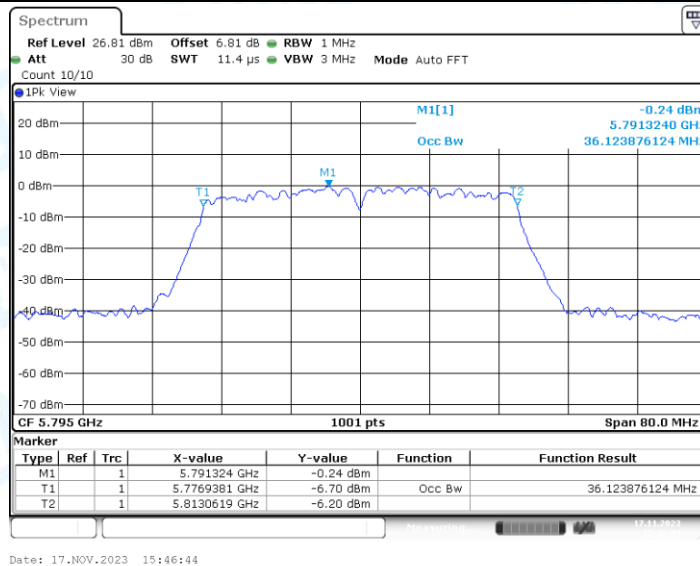
11AC40MIMO_Ant1_5755



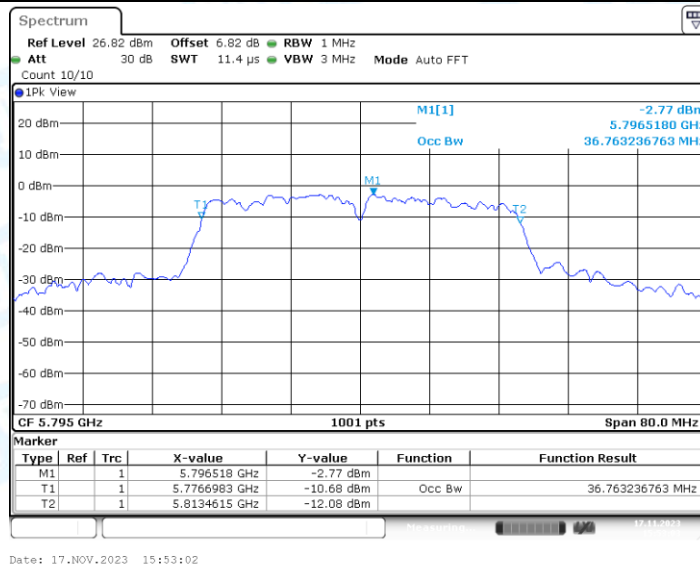
11AC40MIMO_Ant2_5755



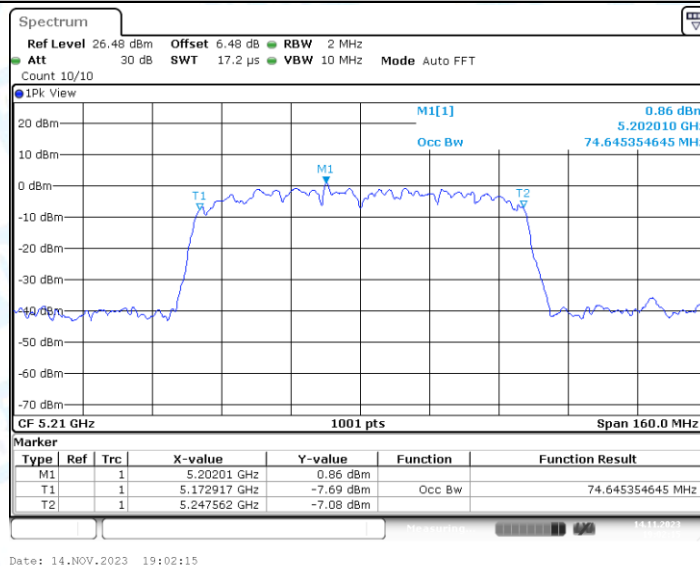
11AC40MIMO_Ant1_5795



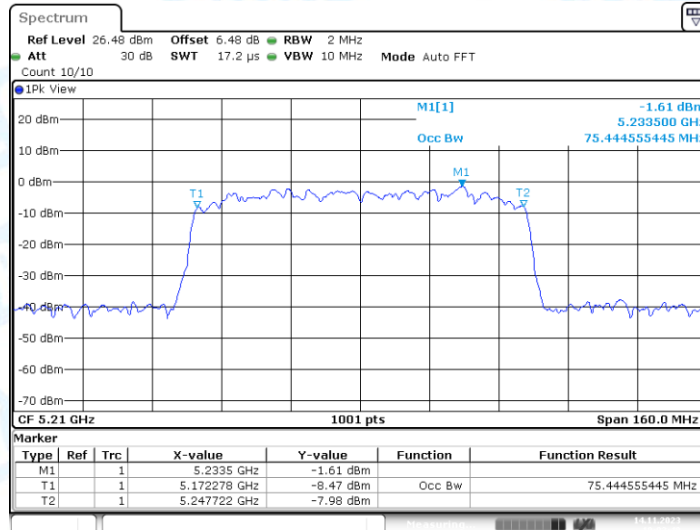
11AC40MIMO_Ant2_5795



11AC80MIMO_Ant1_5210

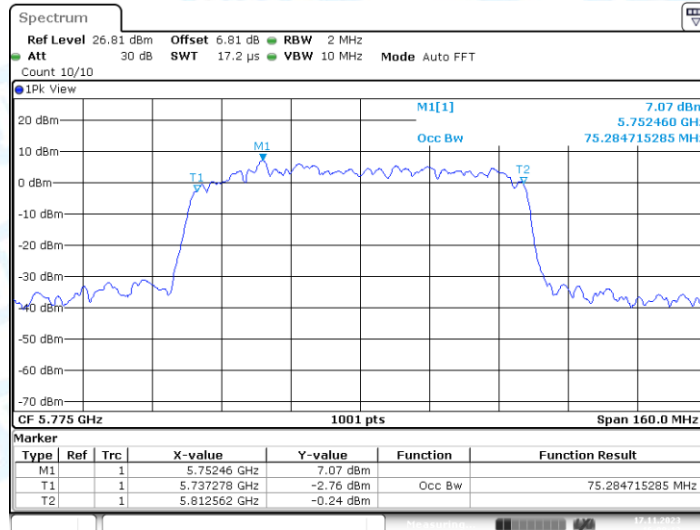


11AC80MIMO_Ant2_5210



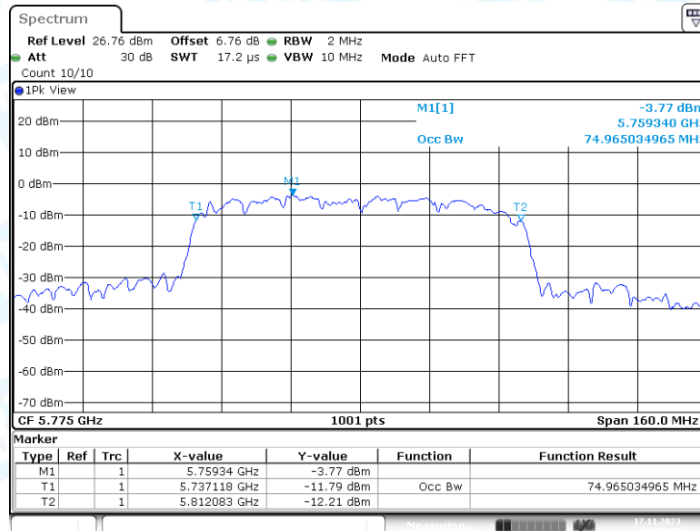
Date: 14.NOV.2023 19:02:49

11AC80MIMO_Ant1_5775



Date: 17.NOV.2023 16:00:13

11AC80MIMO_Ant2_5775



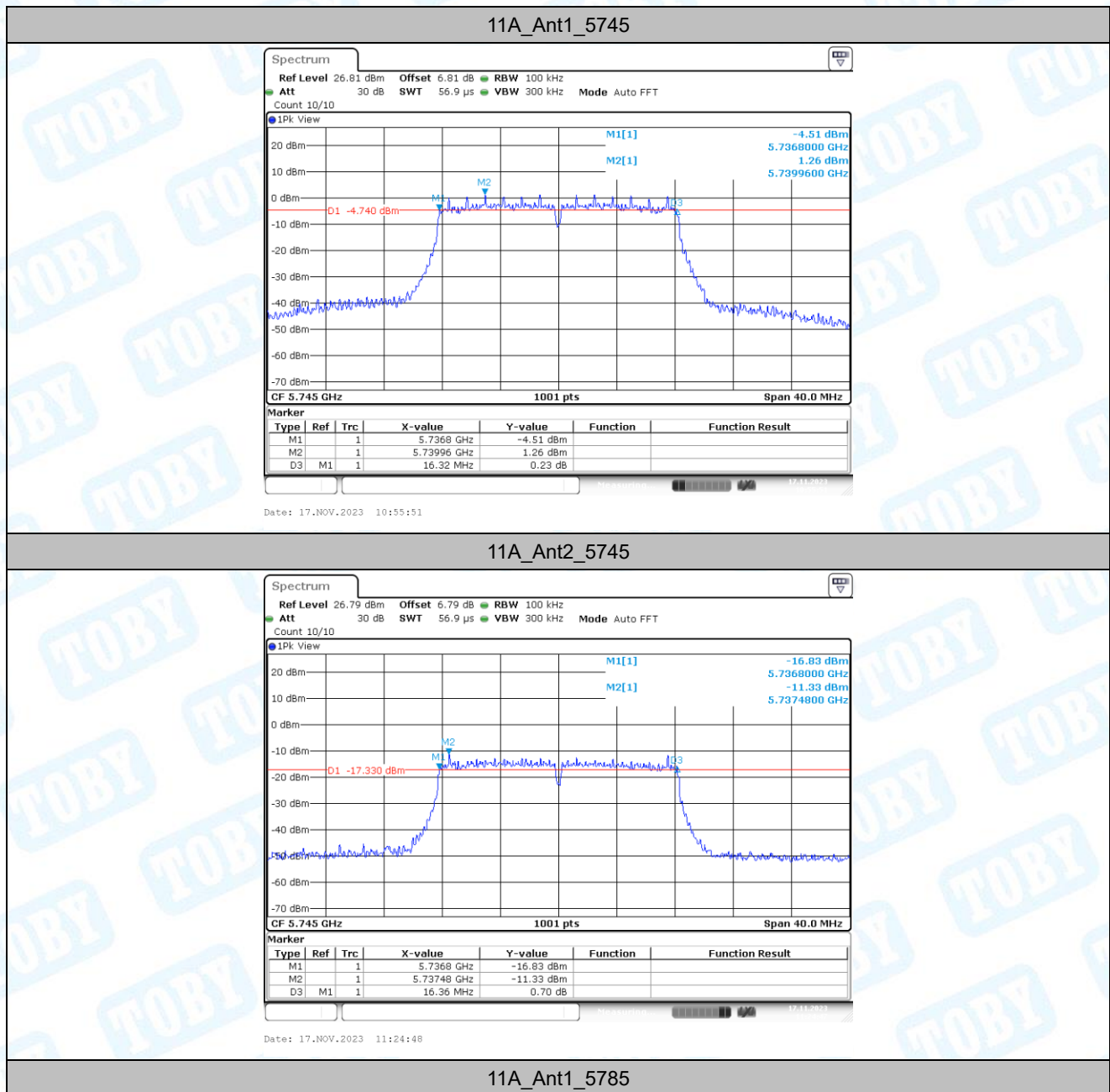
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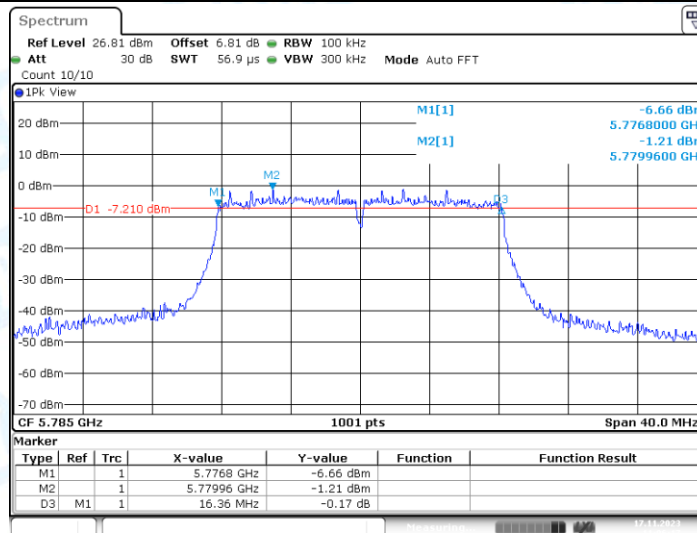
3. Min emission bandwidth

3.1. Test Result

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.32	5736.80	5753.12	0.5	PASS
	Ant2	5745	16.36	5736.80	5753.16	0.5	PASS
	Ant1	5785	16.36	5776.80	5793.16	0.5	PASS
	Ant2	5785	16.36	5776.80	5793.16	0.5	PASS
	Ant1	5825	16.32	5816.84	5833.16	0.5	PASS
	Ant2	5825	16.04	5817.12	5833.16	0.5	PASS
11N20MIMO	Ant1	5745	17.56	5736.20	5753.76	0.5	PASS
	Ant2	5745	17.56	5736.20	5753.76	0.5	PASS
	Ant1	5785	17.52	5776.24	5793.76	0.5	PASS
	Ant2	5785	16.92	5776.60	5793.52	0.5	PASS
	Ant1	5825	17.60	5816.20	5833.80	0.5	PASS
	Ant2	5825	17.56	5816.24	5833.80	0.5	PASS
11N40MIMO	Ant1	5755	35.52	5737.08	5772.60	0.5	PASS
	Ant2	5755	35.76	5736.84	5772.60	0.5	PASS
	Ant1	5795	35.68	5777.24	5812.92	0.5	PASS
	Ant2	5795	32.80	5779.72	5812.52	0.5	PASS
11AC20MIMO	Ant1	5745	17.60	5736.20	5753.80	0.5	PASS
	Ant2	5745	17.60	5736.20	5753.80	0.5	PASS
	Ant1	5785	17.52	5776.24	5793.76	0.5	PASS
	Ant2	5785	16.92	5776.84	5793.76	0.5	PASS
	Ant1	5825	17.56	5816.24	5833.80	0.5	PASS
	Ant2	5825	17.56	5816.24	5833.80	0.5	PASS
11AC40MIMO	Ant1	5755	35.52	5737.40	5772.92	0.5	PASS
	Ant2	5755	29.20	5737.48	5766.68	0.5	PASS
	Ant1	5795	35.92	5777.24	5813.16	0.5	PASS
	Ant2	5795	35.12	5777.48	5812.60	0.5	PASS
11AC80MIMO	Ant1	5775	75.20	5737.40	5812.60	0.5	PASS
	Ant2	5775	64.00	5737.40	5801.40	0.5	PASS

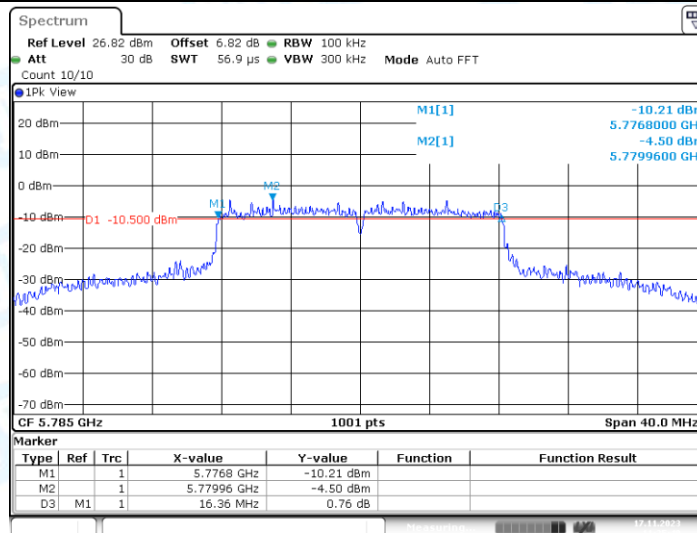
3.2. Test Graphs





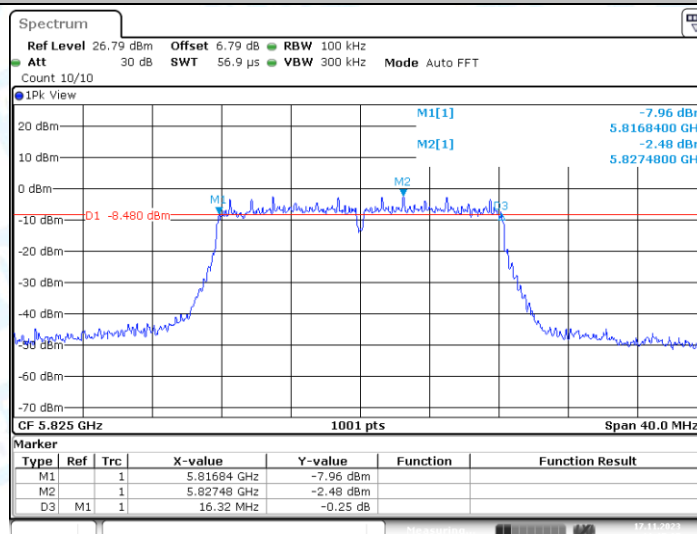
Date: 17.NOV.2023 11:06:17

11A_Ant2_5785



Date: 17.NOV.2023 11:35:40

11A_Ant1_5825



Date: 17.NOV.2023 11:15:35

11A_Ant2_5825