

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

General Description of EUT	
Product Name:	WIFI6 AX
Test Model:	AX02
Sample ID:	HC-C-202405-0242-01-01-2#
Environmental Conditions	
Temperature:	23.8℃
Relative Humidity:	48%
Test Voltage:	DC 12V
Test Engineer:	Jolin Lee
Note: For a more detailed features description, please refer to the report TBR-C-202405-0242-141	

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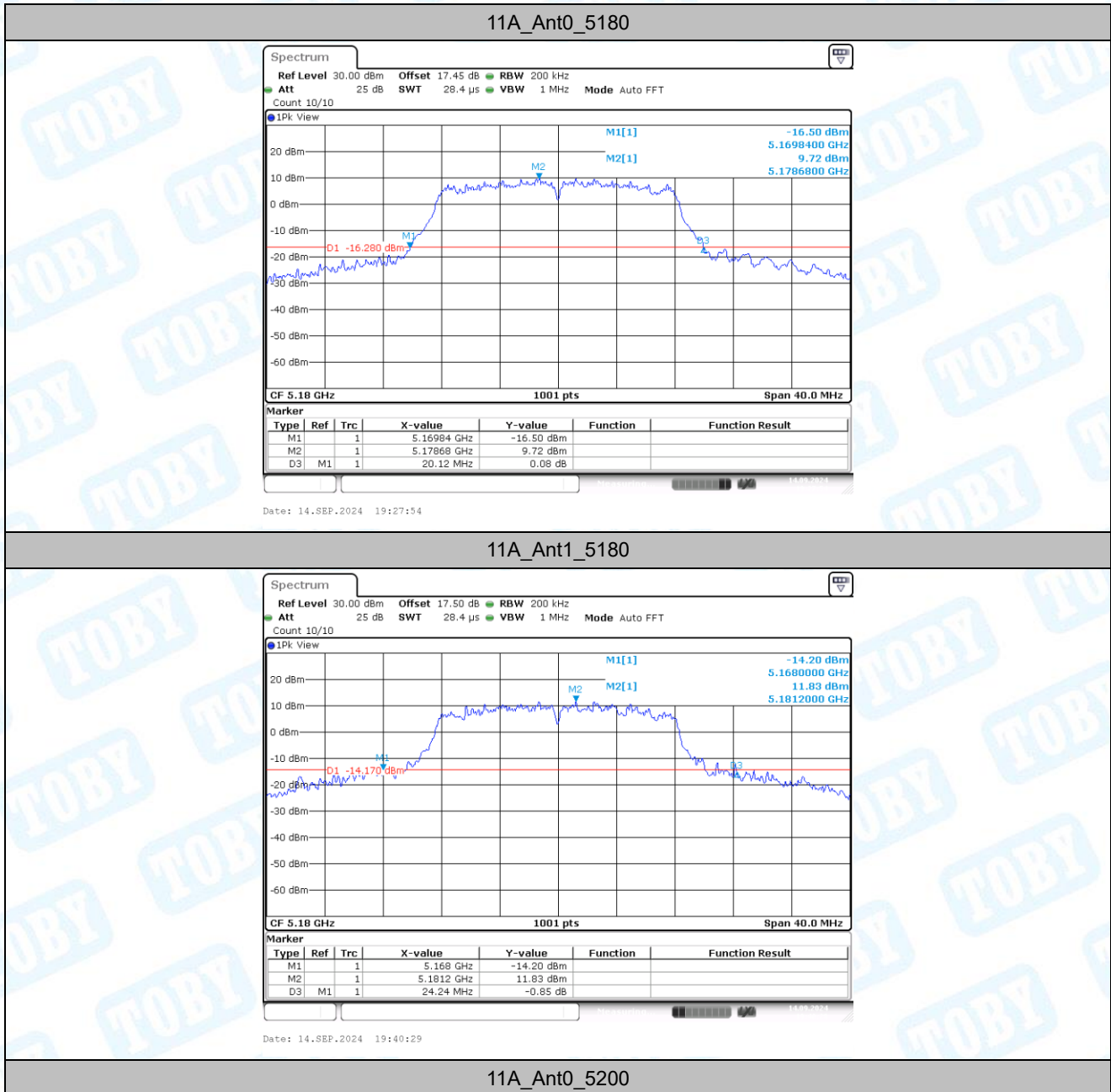
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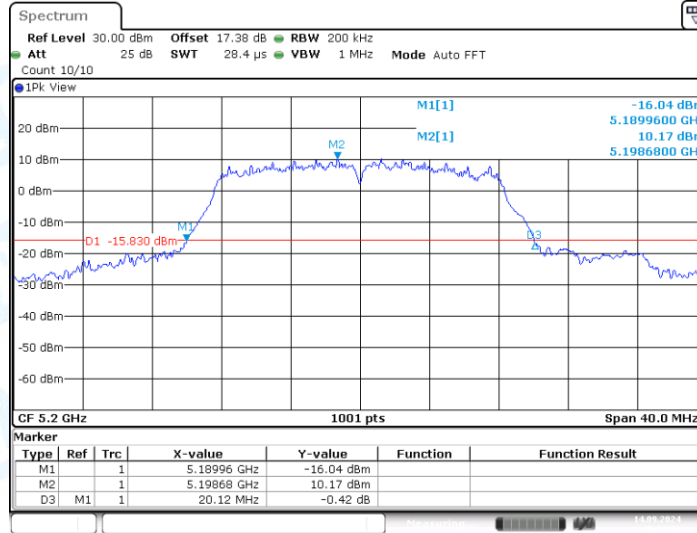
1. Emission Bandwidth

1.1. Test Result

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant0	5180	20.12	5169.84	5189.96	---	---
	Ant1	5180	24.24	5168.00	5192.24	---	---
	Ant0	5200	20.12	5189.96	5210.08	---	---
	Ant1	5200	29.88	5185.52	5215.40	---	---
	Ant0	5240	22.76	5227.92	5250.68	---	---
	Ant1	5240	19.72	5230.00	5249.72	---	---
11N20MIMO	Ant0	5180	20.16	5169.84	5190.00	---	---
	Ant1	5180	20.08	5169.84	5189.92	---	---
	Ant0	5200	20.20	5189.84	5210.04	---	---
	Ant1	5200	27.28	5187.76	5215.04	---	---
	Ant0	5240	20.20	5229.88	5250.08	---	---
	Ant1	5240	20.36	5229.84	5250.20	---	---
11N40MIMO	Ant0	5190	40.24	5169.68	5209.92	---	---
	Ant1	5190	40.24	5169.92	5210.16	---	---
	Ant0	5230	40.00	5209.92	5249.92	---	---
	Ant1	5230	39.84	5210.08	5249.92	---	---
11AC20MIMO	Ant0	5180	20.00	5169.96	5189.96	---	---
	Ant1	5180	20.04	5169.92	5189.96	---	---
	Ant0	5200	19.96	5189.96	5209.92	---	---
	Ant1	5200	20.12	5189.88	5210.00	---	---
	Ant0	5240	19.92	5229.96	5249.88	---	---
	Ant1	5240	20.04	5229.96	5250.00	---	---
11AC40MIMO	Ant0	5190	40.00	5170.08	5210.08	---	---
	Ant1	5190	40.96	5169.60	5210.56	---	---
	Ant0	5230	40.88	5209.44	5250.32	---	---
	Ant1	5230	41.12	5209.52	5250.64	---	---
11AC80MIMO	Ant0	5210	79.68	5170.16	5249.84	---	---
	Ant1	5210	79.52	5170.32	5249.84	---	---
11AX20MIMO	Ant0	5180	22.20	5169.08	5191.28	---	---
	Ant1	5180	24.48	5167.60	5192.08	---	---
	Ant0	5200	22.36	5188.64	5211.00	---	---
	Ant1	5200	25.44	5188.88	5214.32	---	---
	Ant0	5240	19.96	5229.96	5249.92	---	---
	Ant1	5240	19.92	5230.00	5249.92	---	---
11AX40MIMO	Ant0	5190	39.92	5169.92	5209.84	---	---
	Ant1	5190	39.60	5170.16	5209.76	---	---
	Ant0	5230	39.92	5210.08	5250.00	---	---
	Ant1	5230	39.84	5210.00	5249.84	---	---
11AX80MIMO	Ant0	5210	80.32	5169.84	5250.16	---	---
	Ant1	5210	80.48	5169.68	5250.16	---	---

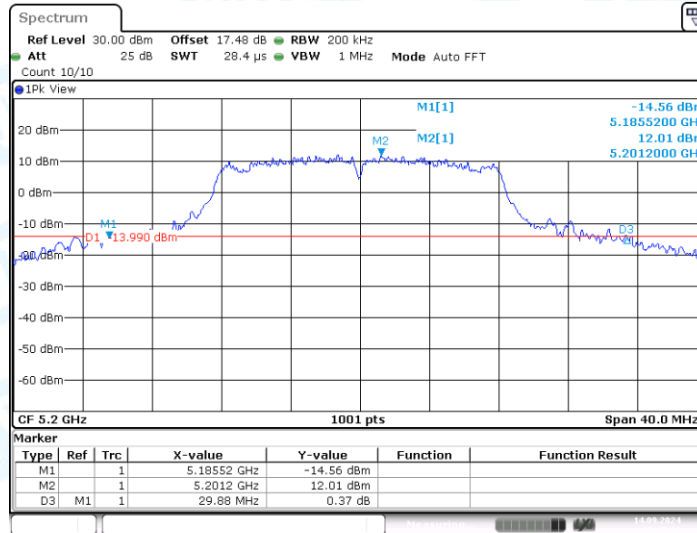
2.1. Test Graphs





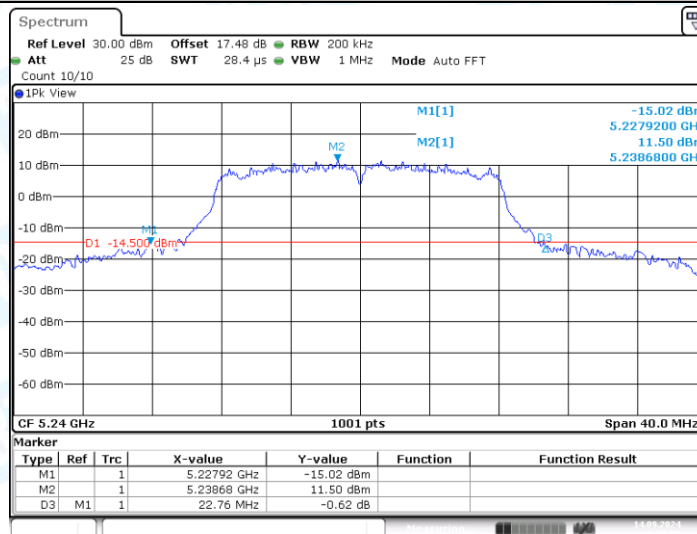
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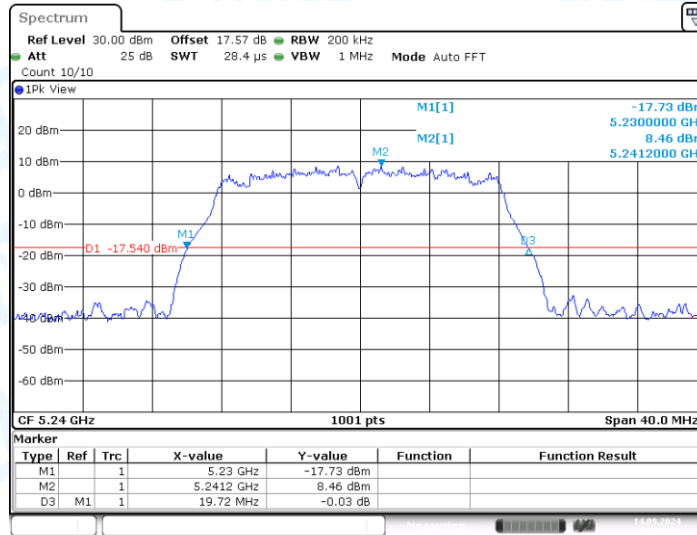
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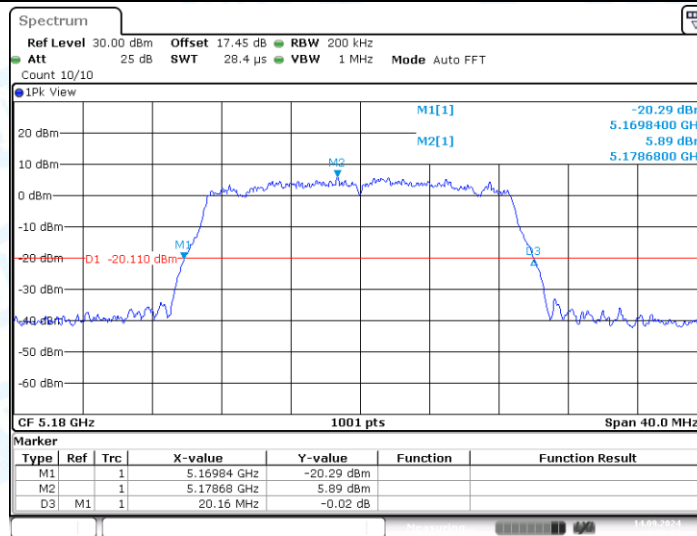
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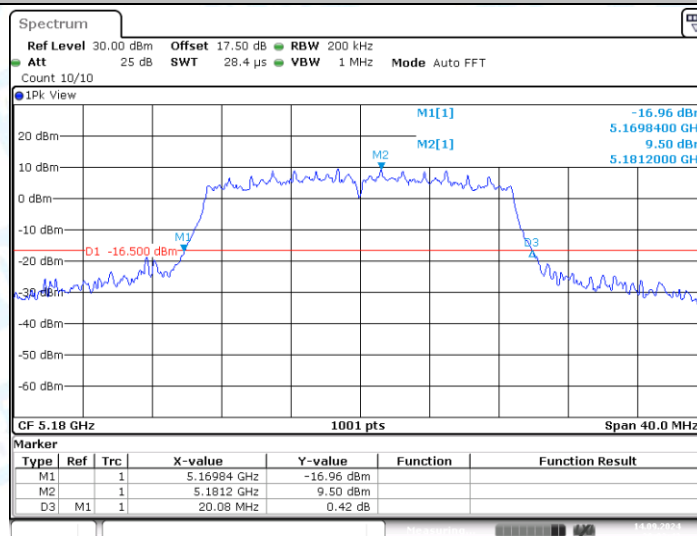
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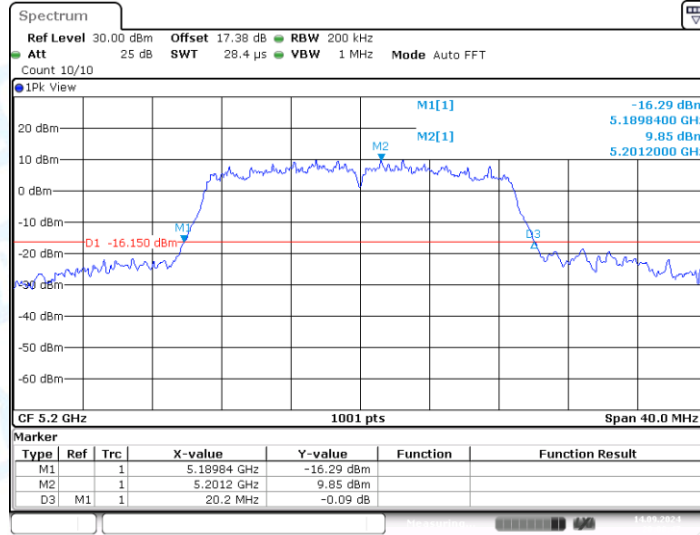
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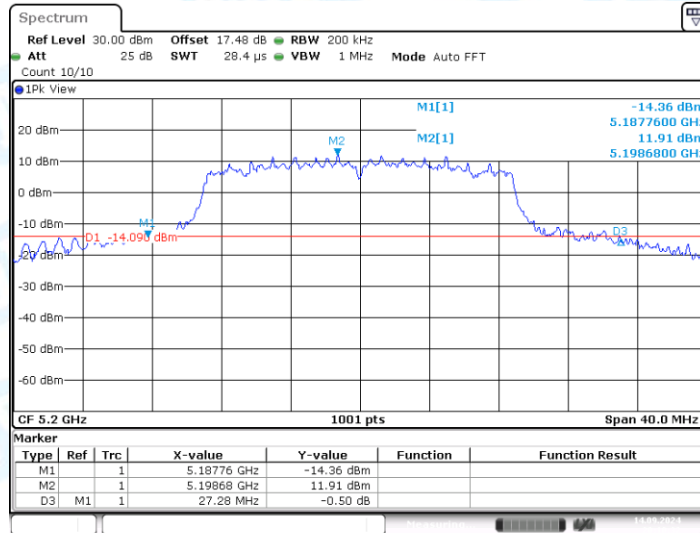
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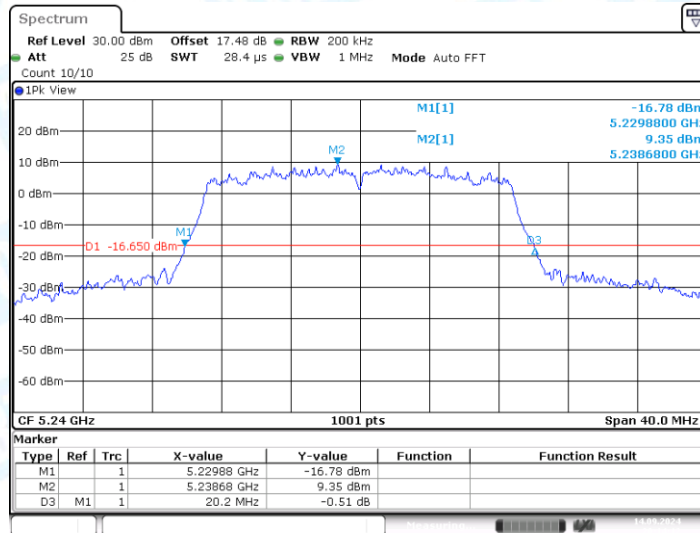
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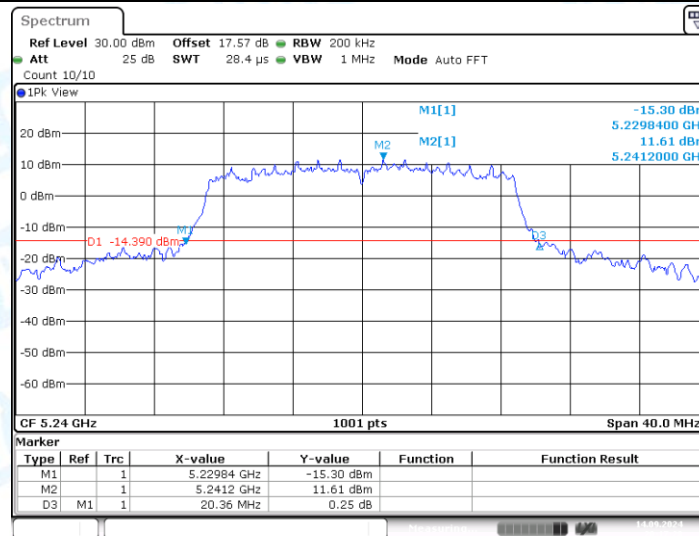
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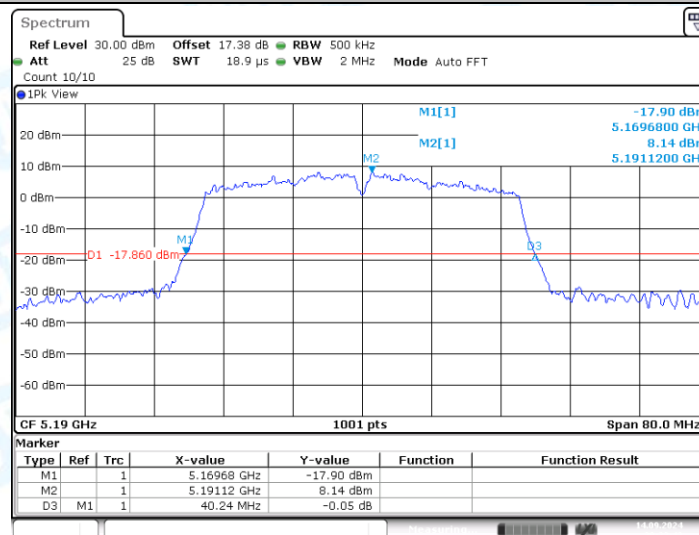
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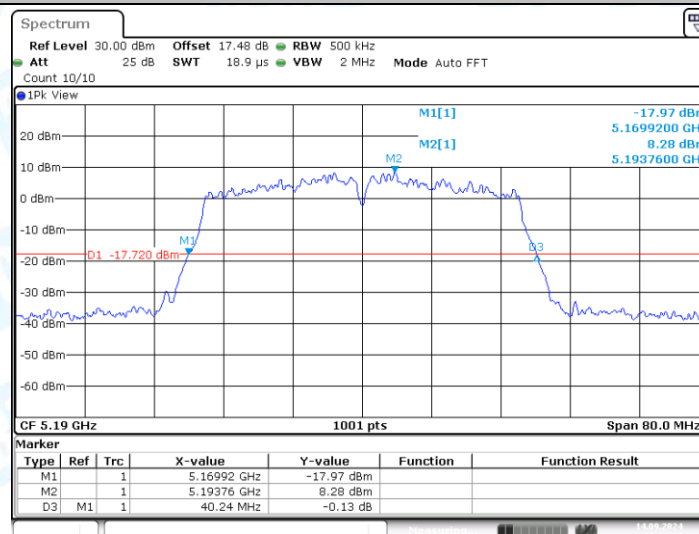
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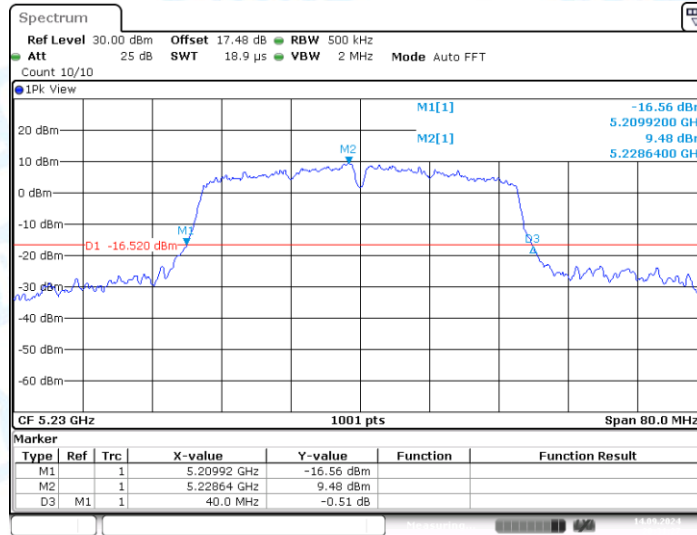
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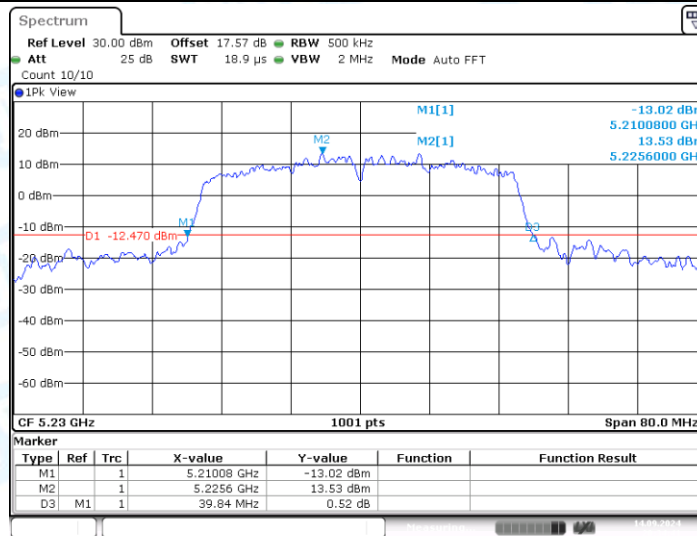
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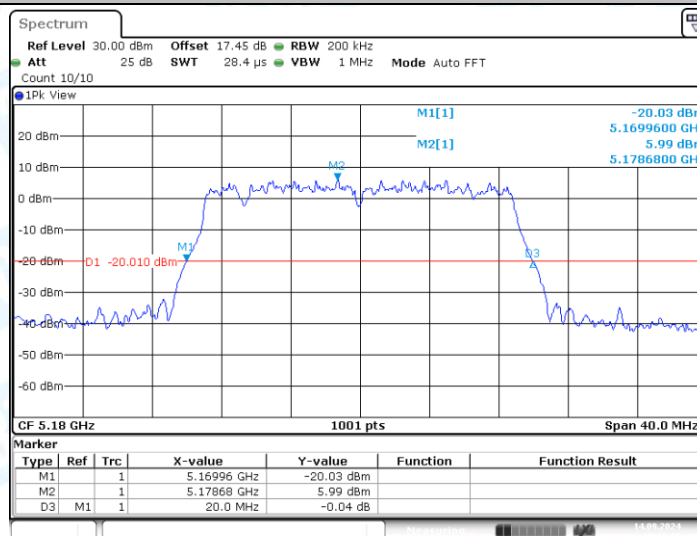
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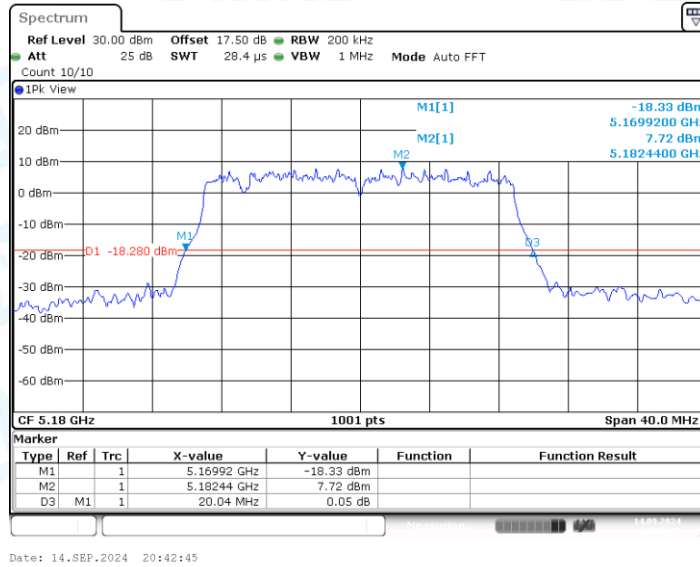
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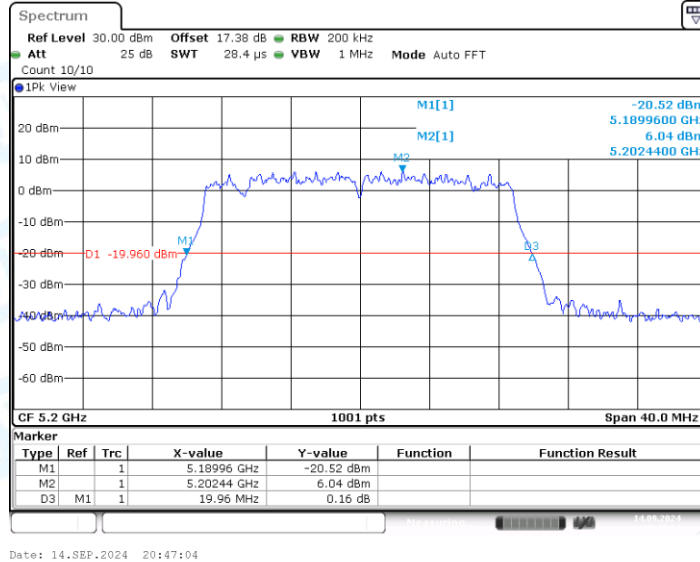


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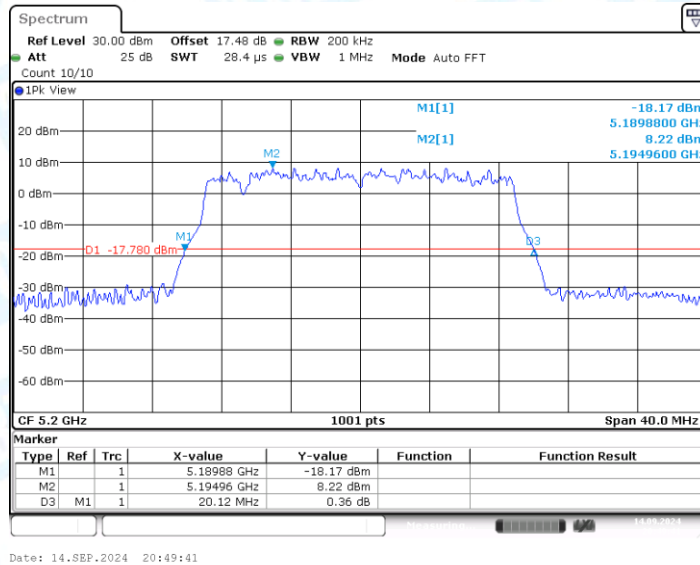
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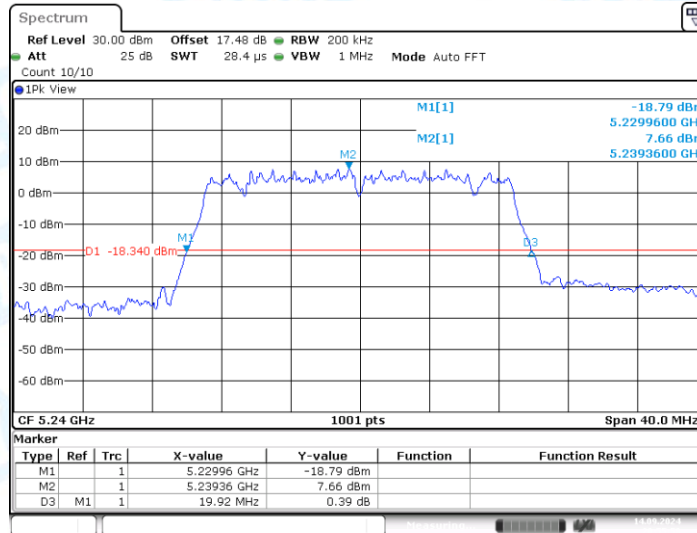
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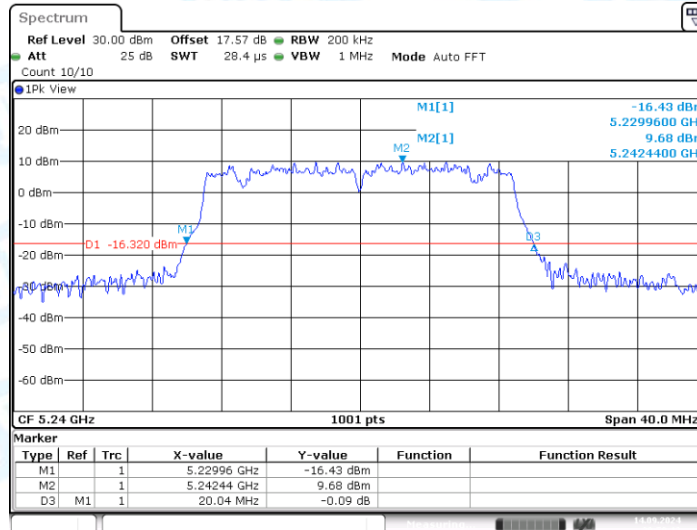


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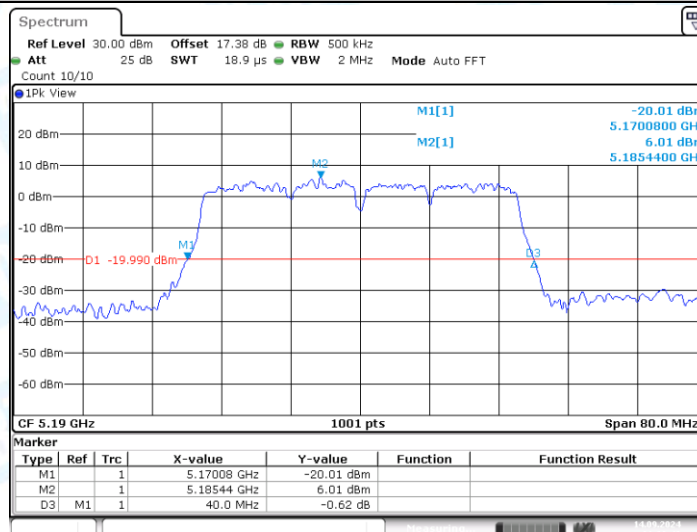
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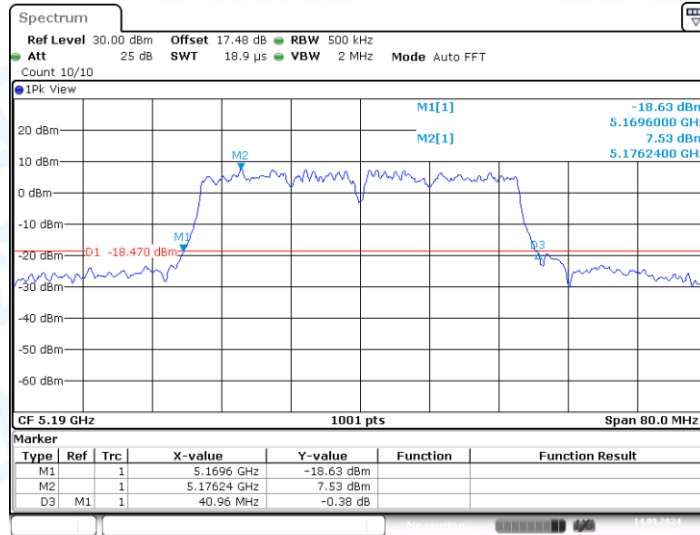
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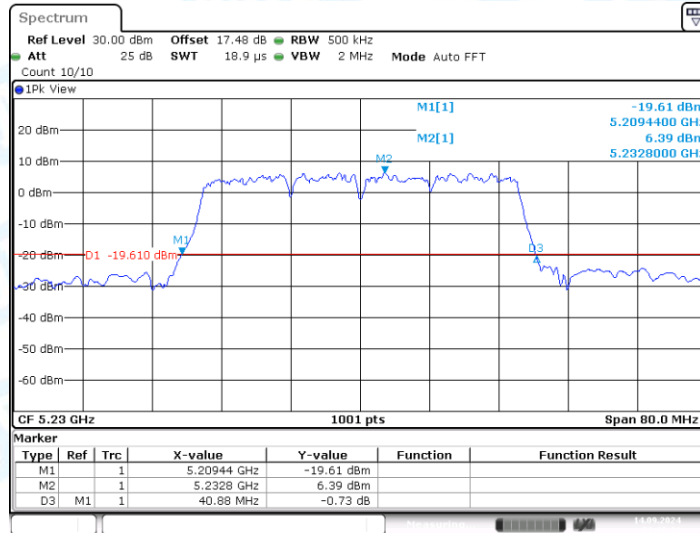
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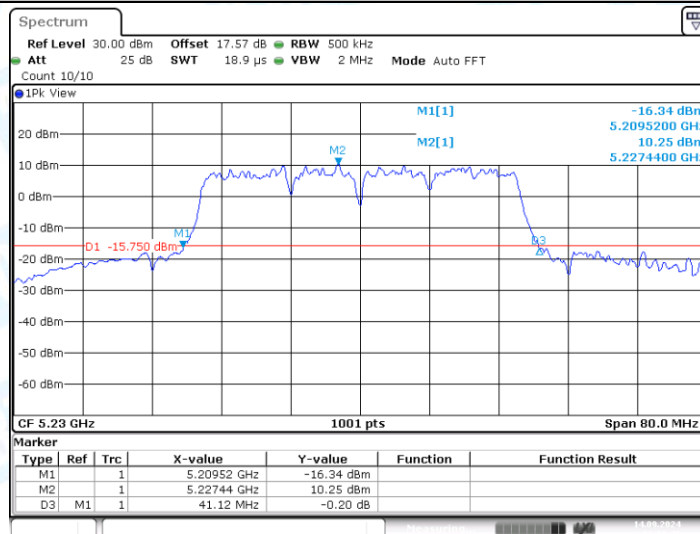
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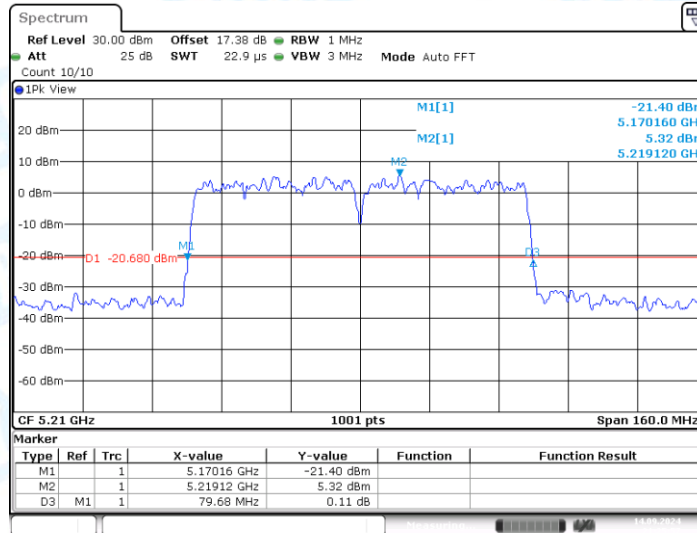
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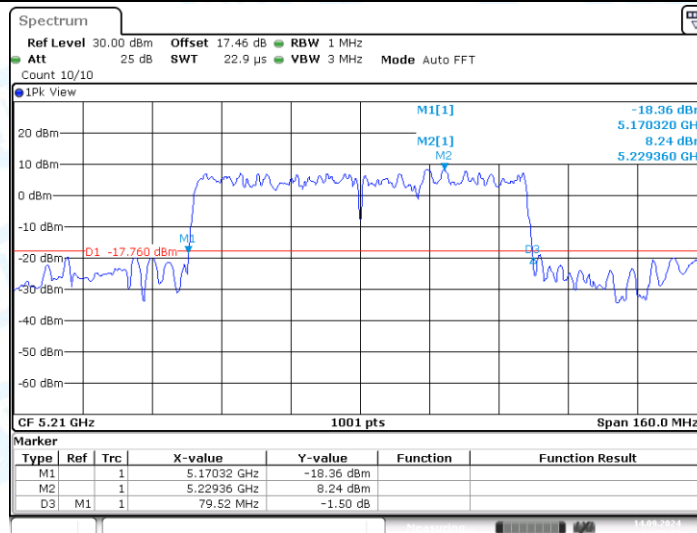
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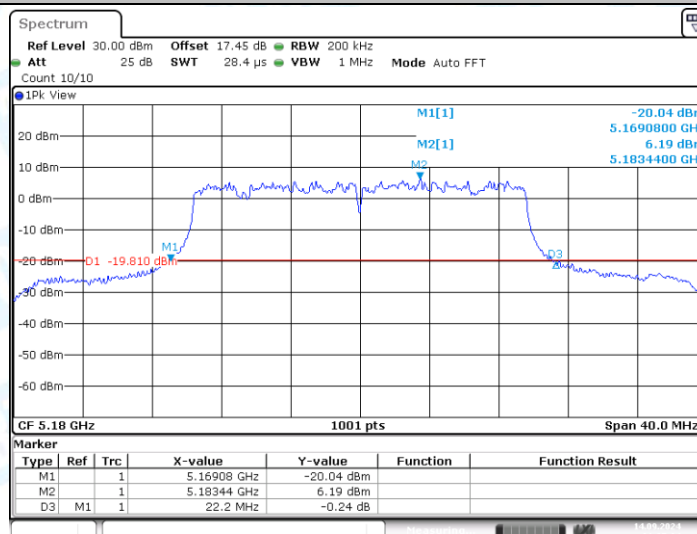
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11AC80MIMO_Ant1_5210



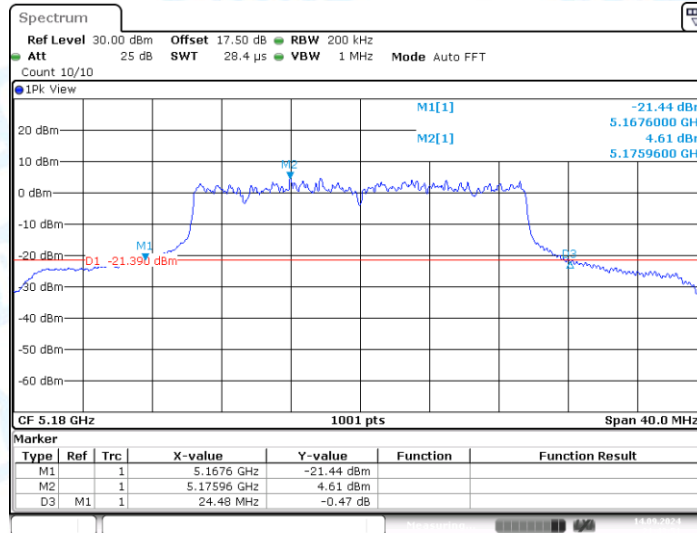
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11AX20MIMO_Ant0_5180



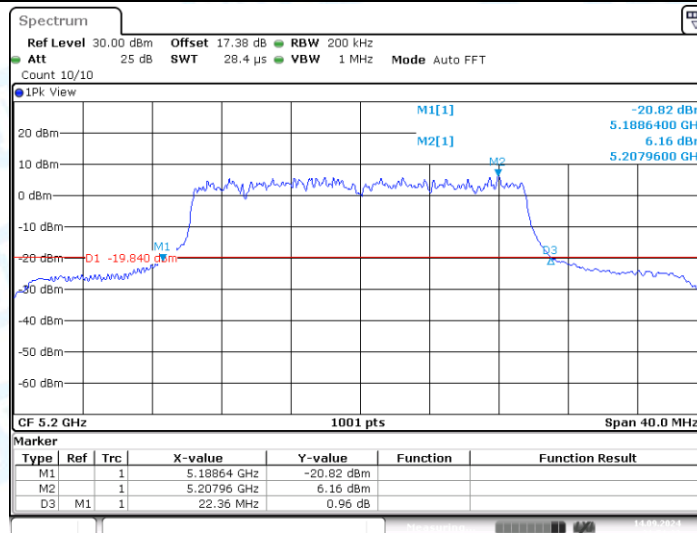
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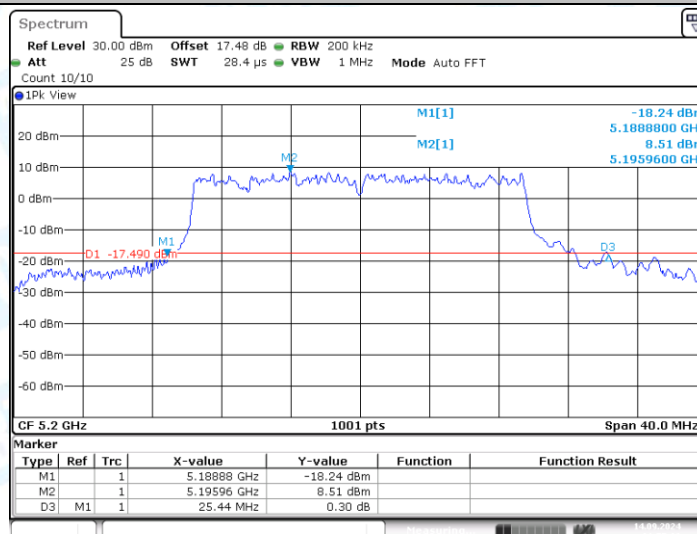
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11AX20MIMO_Ant0_5200



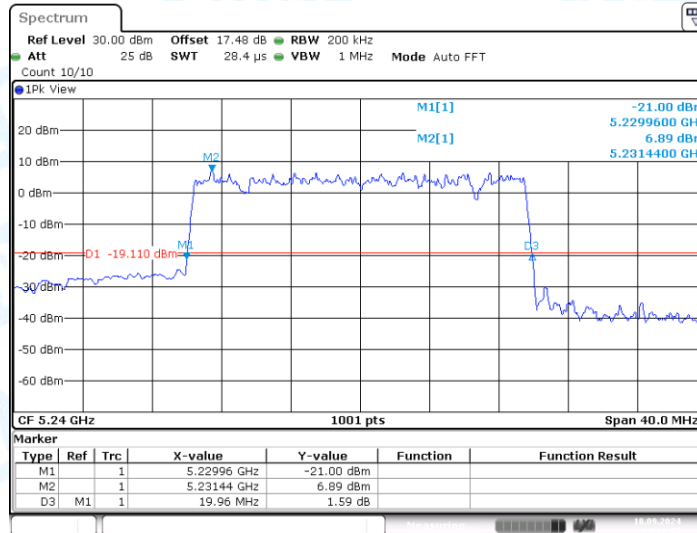
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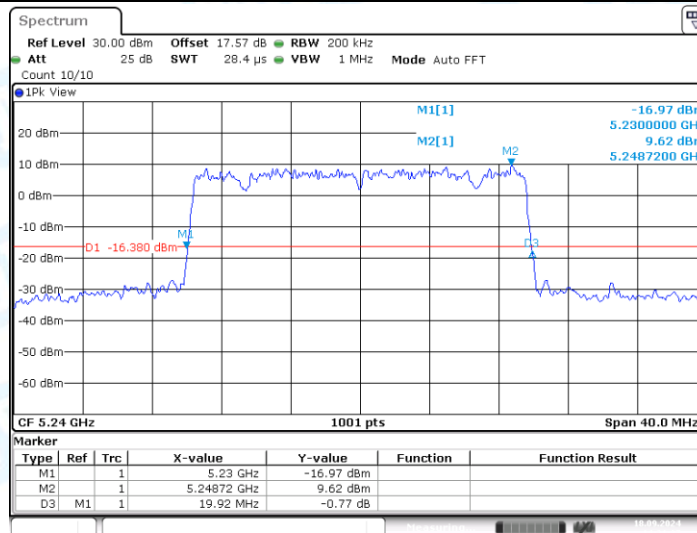
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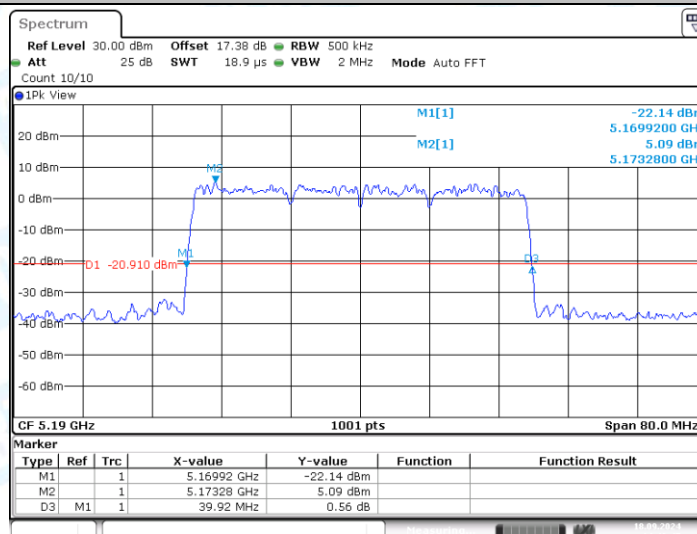
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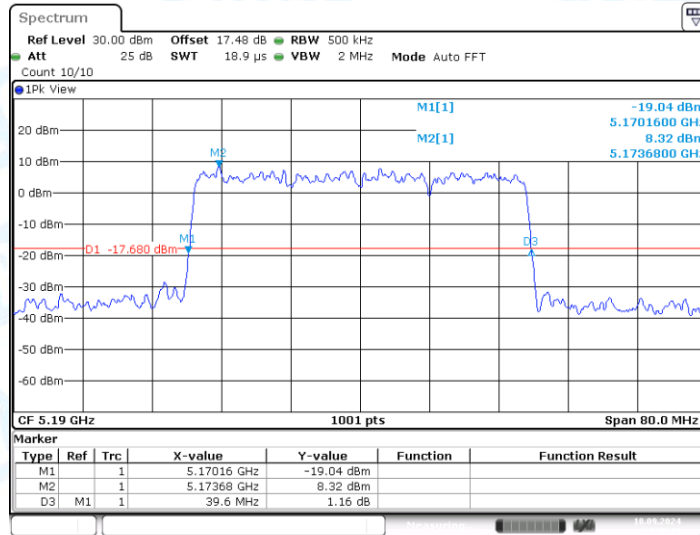
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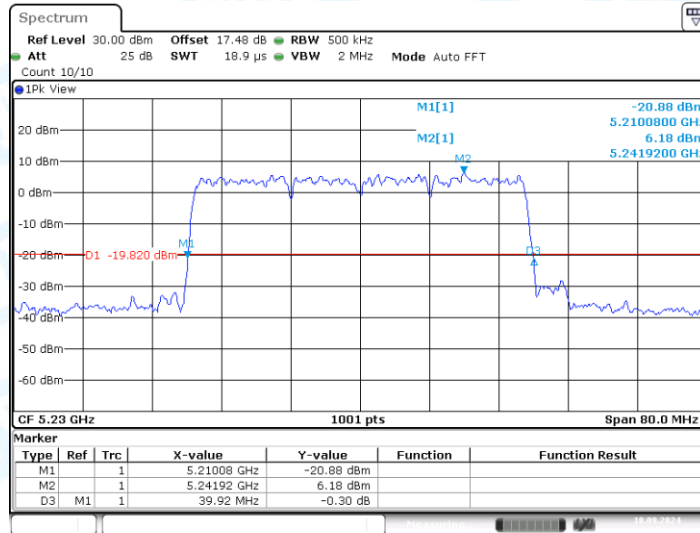
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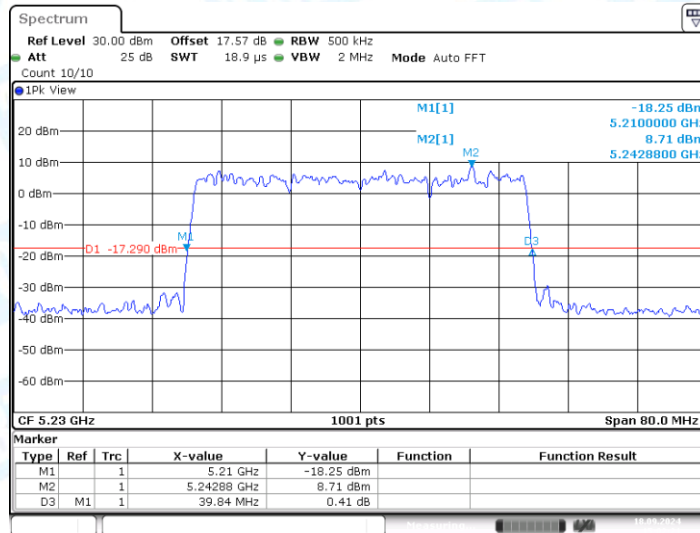
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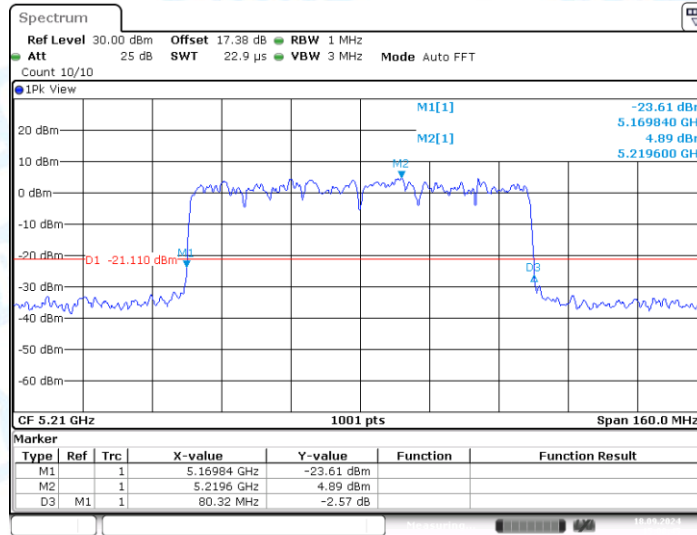
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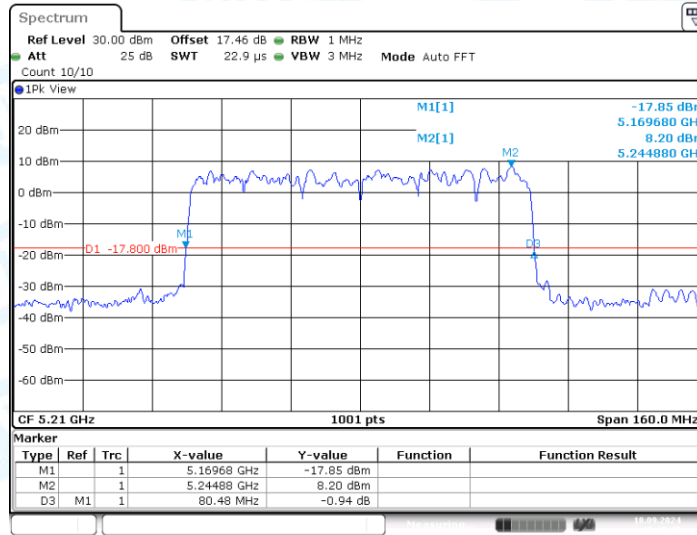


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11AX80MIMO_Ant0_5210



11AX80MIMO_Ant1_5210



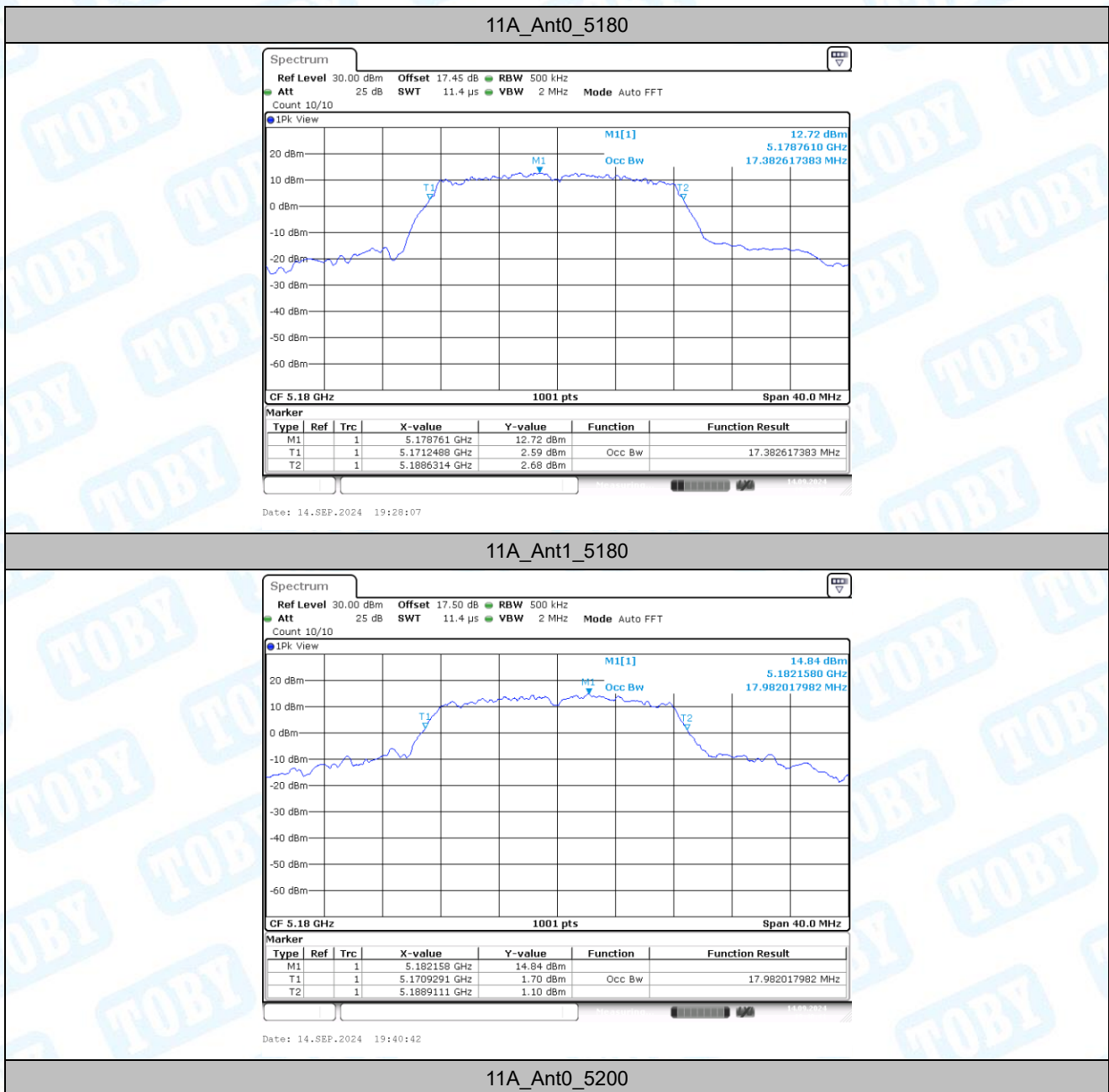
2. Occupied channel bandwidth

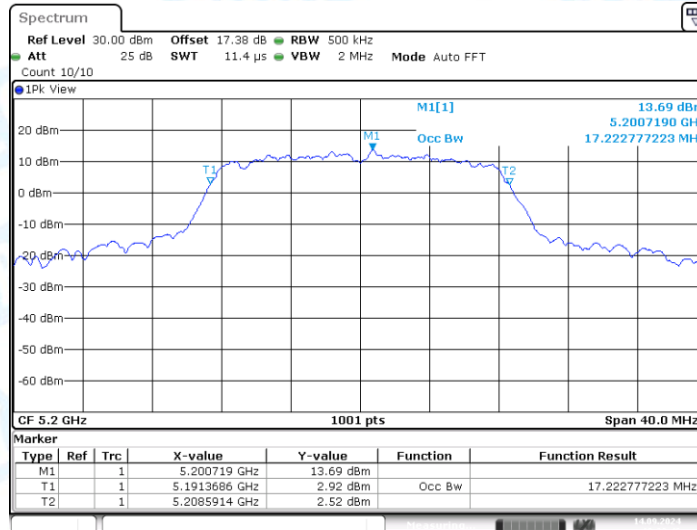
2.1. Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant0	5180	17.383	5171.2488	5188.6314	---	---
	Ant1	5180	17.982	5170.9291	5188.9111	---	---
	Ant0	5200	17.223	5191.3686	5208.5914	---	---
	Ant1	5200	17.822	5191.0490	5208.8711	---	---
	Ant0	5240	17.542	5231.4486	5248.9910	---	---
	Ant1	5240	17.023	5231.5285	5248.5514	---	---
	Ant0	5745	17.423	5736.3686	5753.7912	---	---
	Ant1	5745	17.463	5736.0889	5753.5514	---	---
	Ant0	5785	17.822	5775.7692	5793.5914	---	---
	Ant1	5785	24.056	5772.3327	5796.3886	---	---
	Ant0	5825	18.222	5815.9690	5834.1908	---	---
	Ant1	5825	24.456	5812.4925	5836.9481	---	---
11N20MIMO	Ant0	5180	18.182	5170.7692	5188.9510	---	---
	Ant1	5180	18.062	5170.9291	5188.9910	---	---
	Ant0	5200	17.982	5190.9690	5208.9510	---	---
	Ant1	5200	18.342	5190.8492	5209.1908	---	---
	Ant0	5240	17.942	5231.0090	5248.9510	---	---
	Ant1	5240	17.862	5231.0889	5248.9510	---	---
	Ant0	5745	18.701	5735.6094	5754.3107	---	---
	Ant1	5745	17.902	5736.0090	5753.9111	---	---
	Ant0	5785	18.541	5775.5295	5794.0709	---	---
	Ant1	5785	18.062	5775.8891	5793.9510	---	---
	Ant0	5825	18.422	5815.6893	5834.1109	---	---
	Ant1	5825	18.262	5815.8492	5834.1109	---	---
11N40MIMO	Ant0	5190	35.724	5172.0979	5207.8222	---	---
	Ant1	5190	35.884	5171.8581	5207.7423	---	---
	Ant0	5230	35.884	5212.0180	5247.9021	---	---
	Ant1	5230	36.364	5211.6983	5248.0619	---	---
	Ant0	5755	36.204	5736.8581	5773.0619	---	---
	Ant1	5755	36.204	5736.8581	5773.0619	---	---
	Ant0	5795	36.284	5776.8581	5813.1419	---	---
	Ant1	5795	36.124	5776.8581	5812.9820	---	---
11AC20MIMO	Ant0	5180	18.022	5171.0090	5189.0310	---	---
	Ant1	5180	18.222	5170.8891	5189.1109	---	---
	Ant0	5200	18.022	5190.9690	5208.9910	---	---
	Ant1	5200	17.902	5191.0090	5208.9111	---	---
	Ant0	5240	17.942	5231.0090	5248.9510	---	---
	Ant1	5240	17.942	5231.0090	5248.9510	---	---
	Ant0	5745	17.942	5735.9291	5753.8711	---	---
	Ant1	5745	18.022	5735.9690	5753.9910	---	---

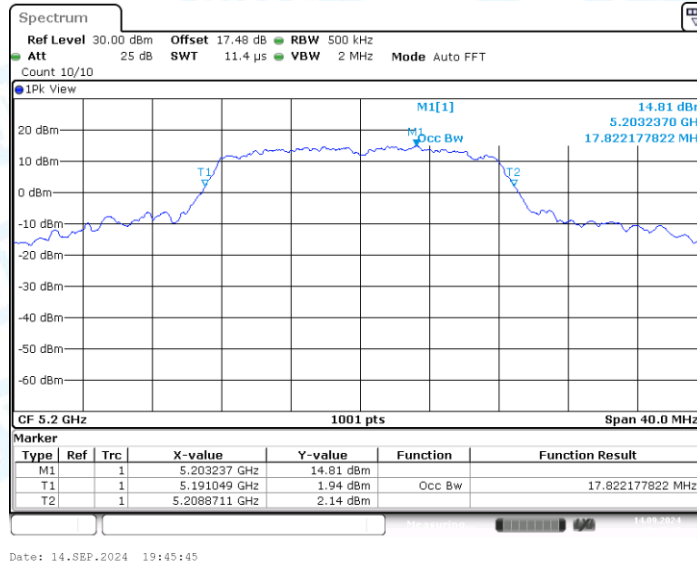
	Ant0	5785	17.862	5776.0090	5793.8711	---	---
	Ant1	5785	17.942	5776.0090	5793.9510	---	---
	Ant0	5825	18.102	5815.9291	5834.0310	---	---
	Ant1	5825	17.902	5815.9690	5833.8711	---	---
11AC40MIMO	Ant0	5190	36.284	5171.8581	5208.1419	---	---
	Ant1	5190	36.364	5171.6983	5208.0619	---	---
	Ant0	5230	36.683	5211.6184	5248.3017	---	---
	Ant1	5230	36.444	5211.7782	5248.2218	---	---
	Ant0	5755	36.364	5736.7782	5773.1419	---	---
	Ant1	5755	36.603	5736.7782	5773.3816	---	---
	Ant0	5795	36.444	5776.7782	5813.2218	---	---
	Ant1	5795	36.444	5776.6983	5813.1419	---	---
11AC80MIMO	Ant0	5210	76.404	5172.1179	5248.5215	---	---
	Ant1	5210	76.723	5171.7982	5248.5215	---	---
	Ant0	5775	76.723	5736.6384	5813.3616	---	---
	Ant1	5775	76.723	5736.6384	5813.3616	---	---
11AX20MIMO	Ant0	5180	19.421	5170.2098	5189.6304	---	---
	Ant1	5180	19.66	5170.3297	5189.9900	---	---
	Ant0	5200	19.461	5190.1299	5209.5904	---	---
	Ant1	5200	19.341	5190.2897	5209.6304	---	---
	Ant0	5240	19.141	5230.4096	5249.5504	---	---
	Ant1	5240	19.141	5230.4096	5249.5504	---	---
	Ant0	5745	19.381	5735.2098	5754.5904	---	---
	Ant1	5745	19.461	5735.3297	5754.7902	---	---
	Ant0	5785	20.02	5774.8102	5794.8302	---	---
	Ant1	5785	19.381	5775.1698	5794.5504	---	---
	Ant0	5825	19.74	5815.0500	5834.7902	---	---
	Ant1	5825	19.54	5815.1698	5834.7103	---	---
11AX40MIMO	Ant0	5190	37.802	5171.0589	5208.8611	---	---
	Ant1	5190	38.202	5170.8991	5209.1009	---	---
	Ant0	5230	38.042	5210.8991	5248.9411	---	---
	Ant1	5230	38.202	5210.8991	5249.1009	---	---
	Ant0	5755	37.962	5735.8991	5773.8611	---	---
	Ant1	5755	38.122	5735.8991	5774.0210	---	---
	Ant0	5795	38.042	5775.8991	5813.9411	---	---
	Ant1	5795	38.202	5775.8192	5814.0210	---	---
11AX80MIMO	Ant0	5210	77.682	5170.9990	5248.6813	---	---
	Ant1	5210	77.363	5171.3187	5248.6813	---	---
	Ant0	5775	77.682	5735.6793	5813.3616	---	---
	Ant1	5775	77.682	5735.9990	5813.6813	---	---

2.2. Test Graphs

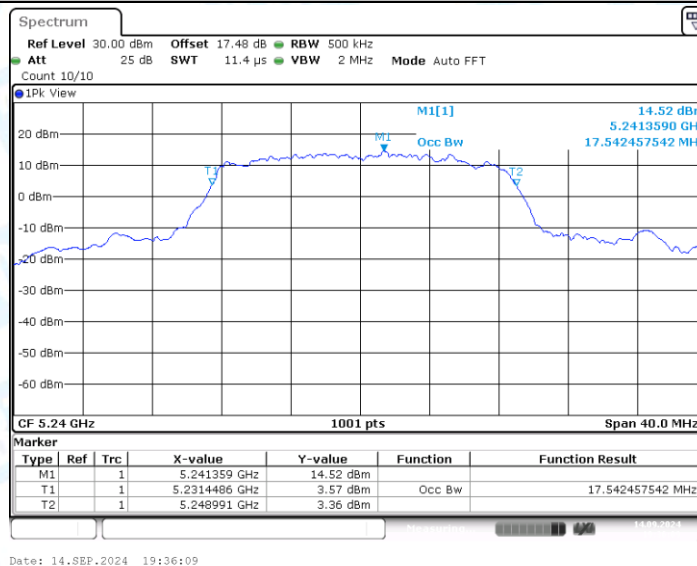




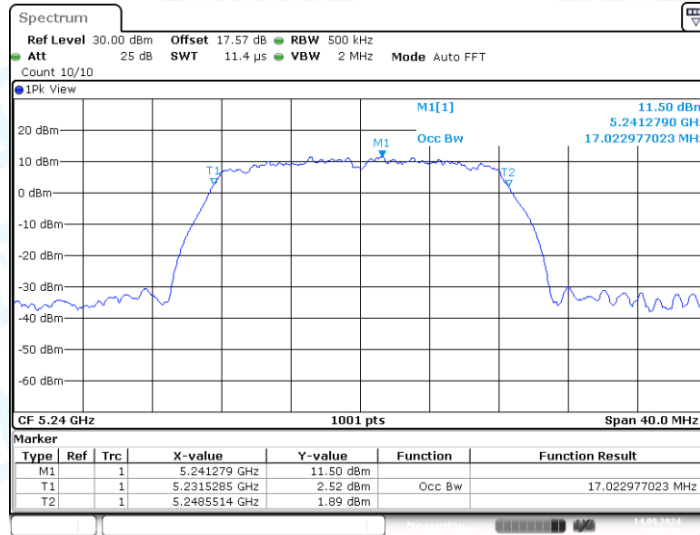
11A_Ant1_5200



11A_Ant0_5240

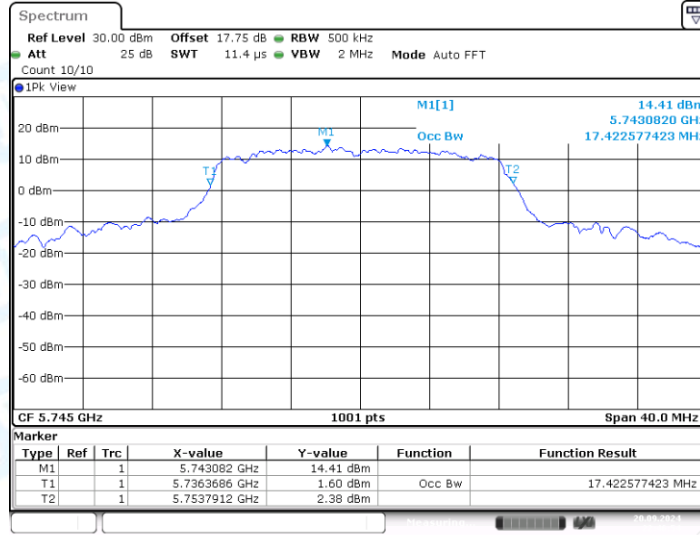


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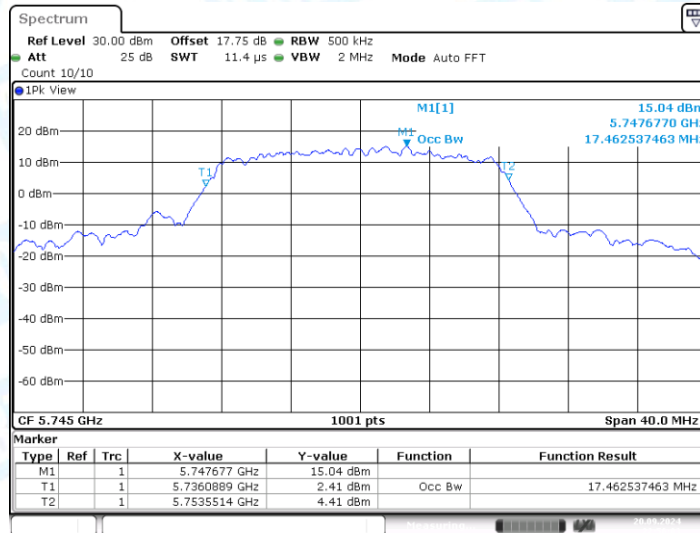
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11A_Ant0_5745



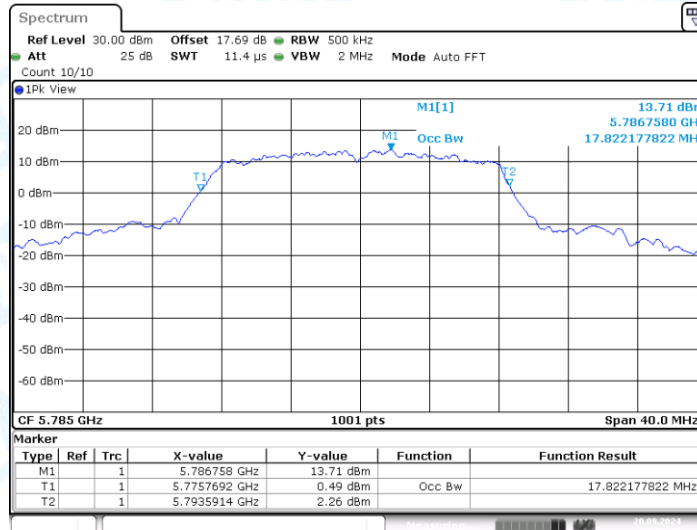
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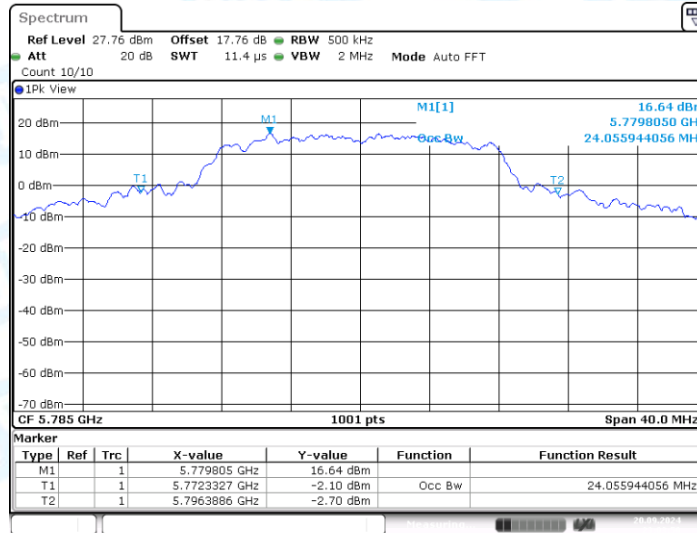


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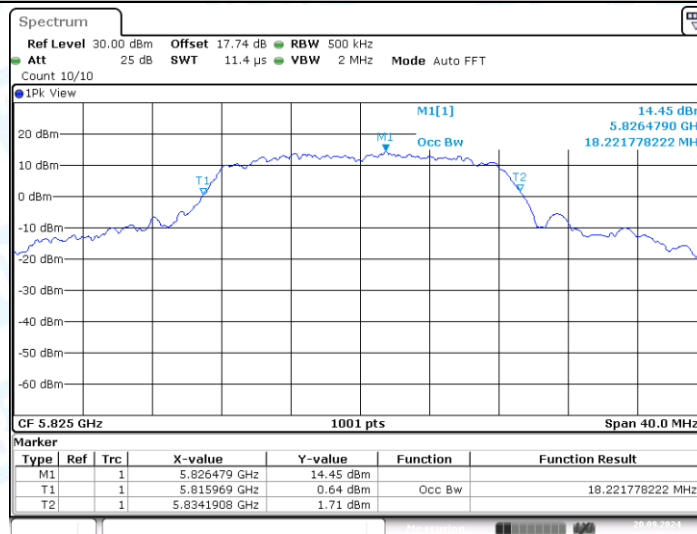
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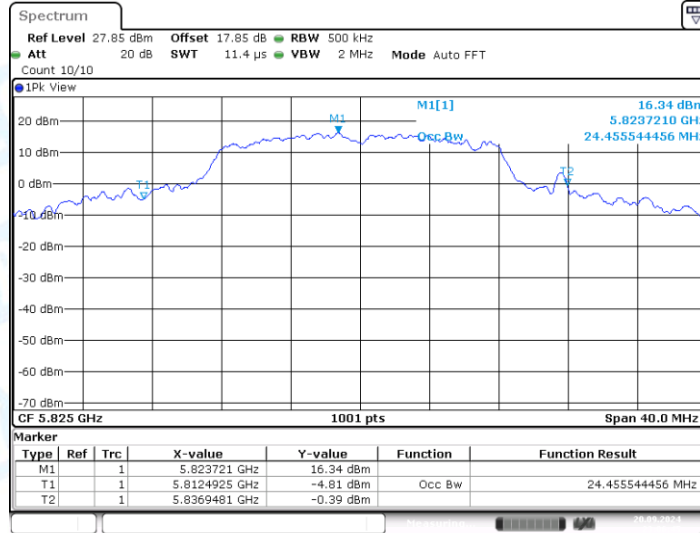
11A_Ant1_5785



11A_Ant0_5825

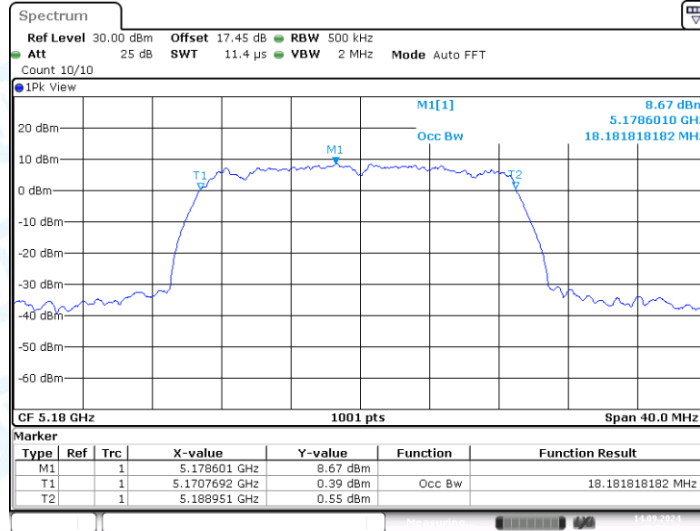


11A_Ant1_5825



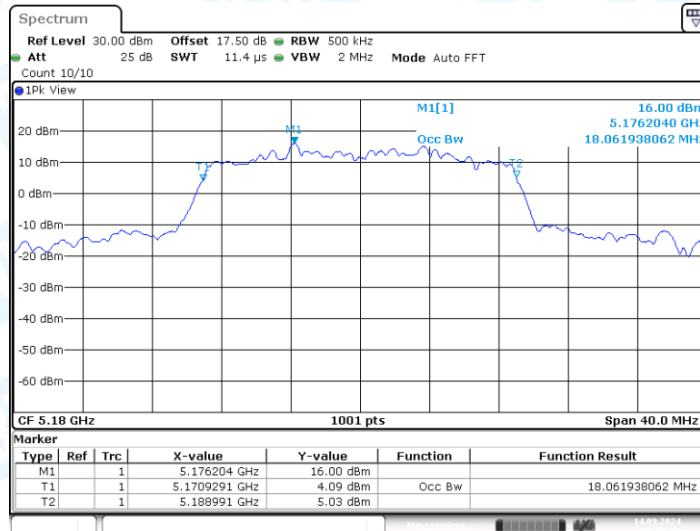
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11N20MIMO_Ant0_5180



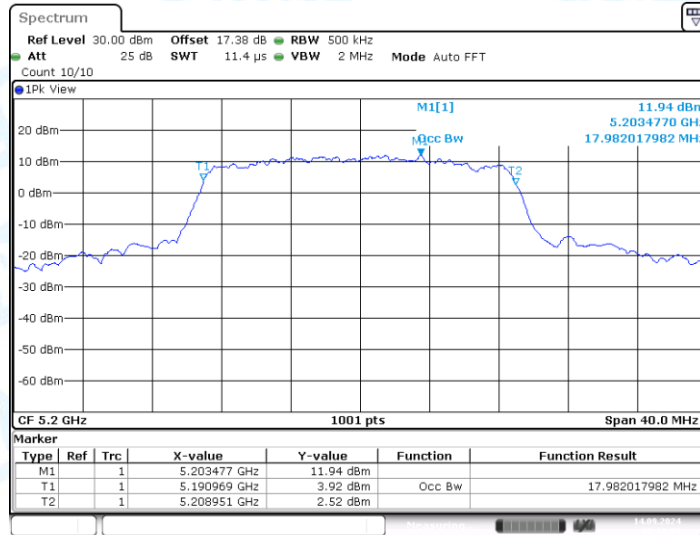
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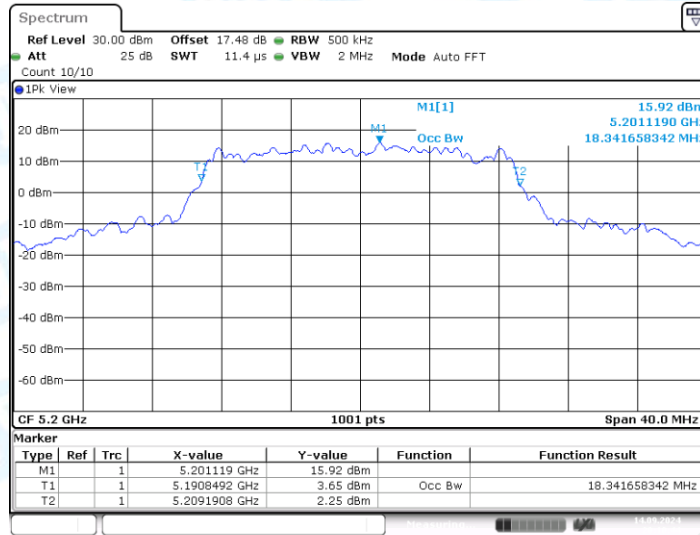
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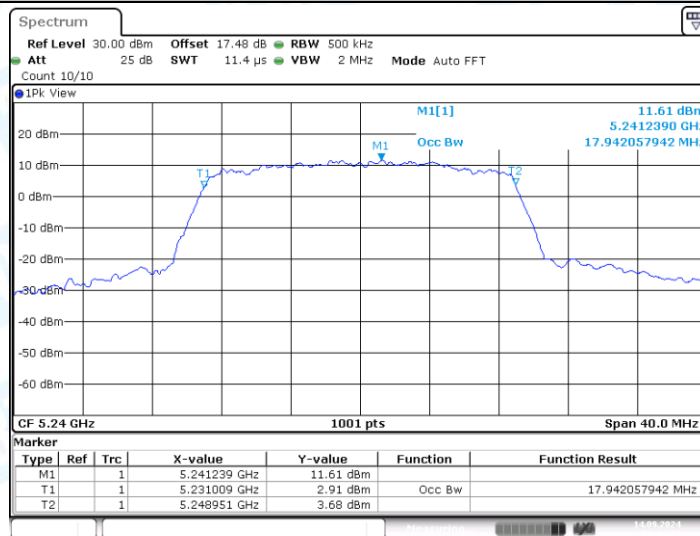
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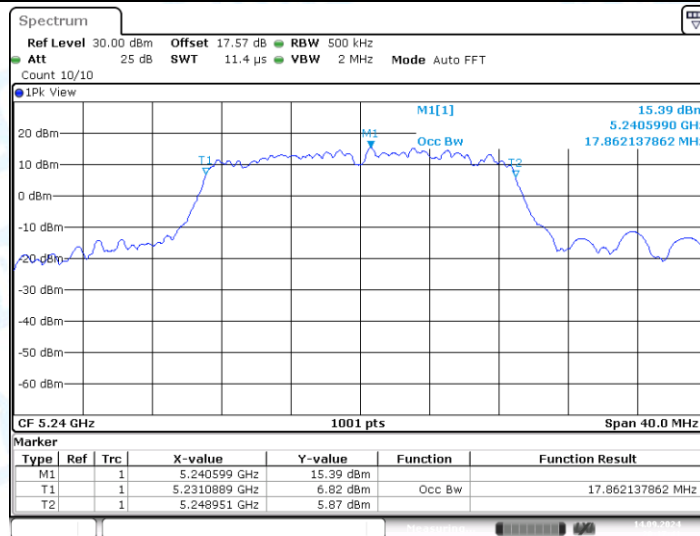
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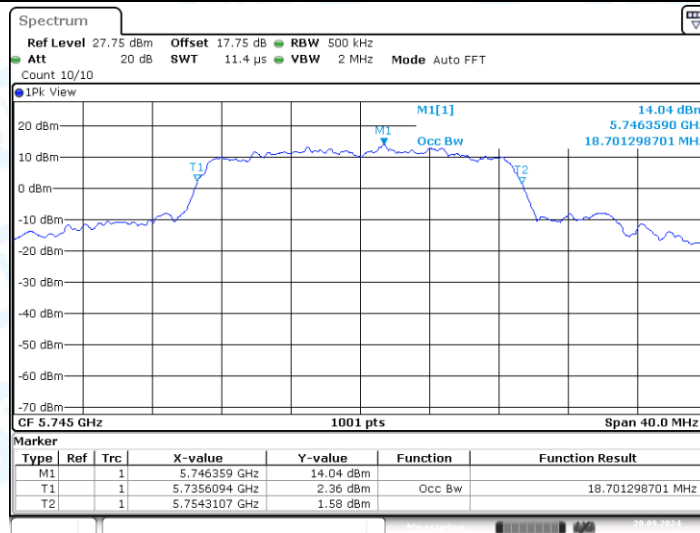
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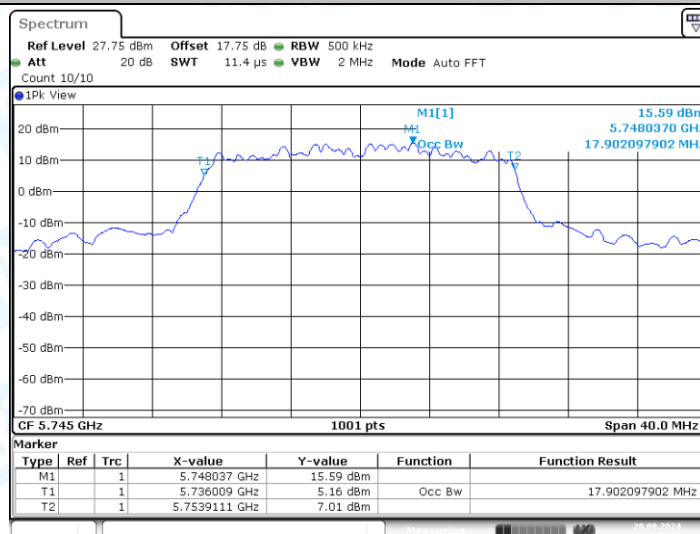
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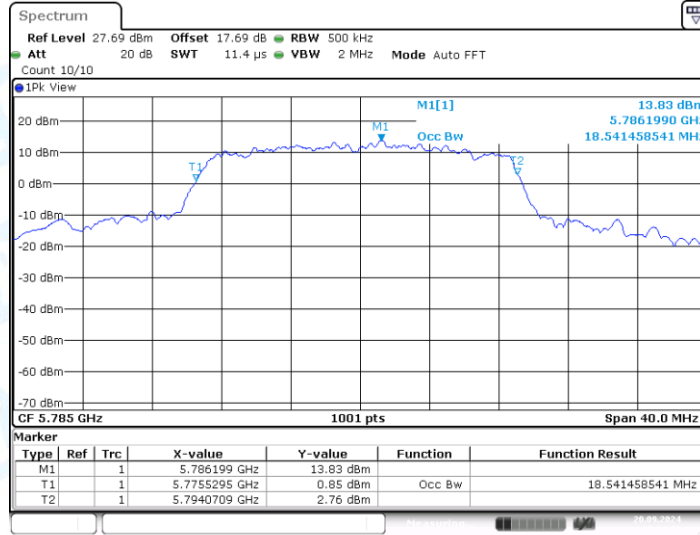
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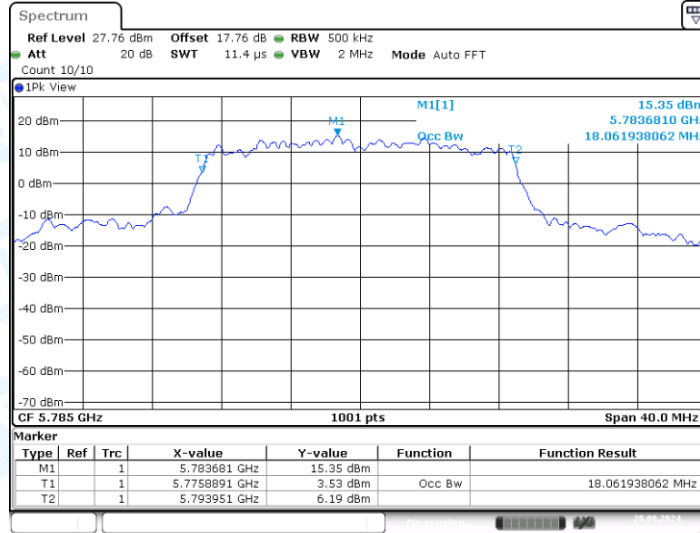
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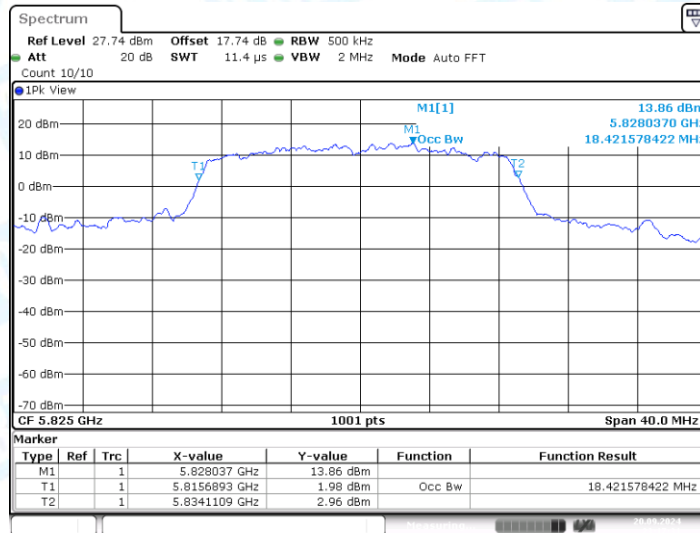
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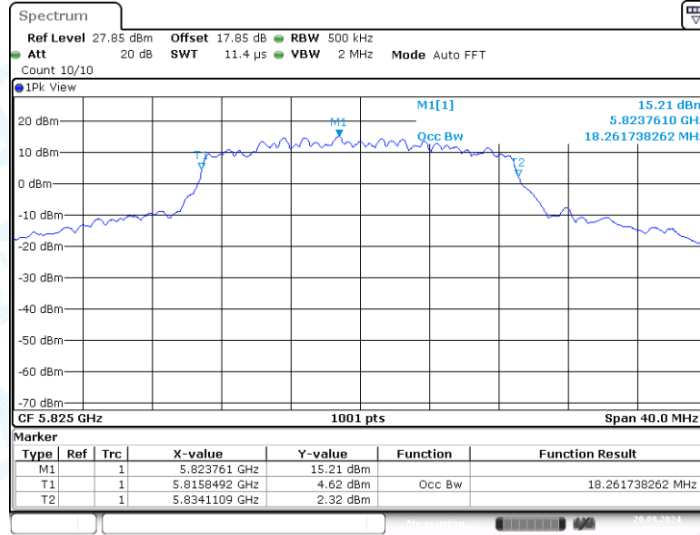
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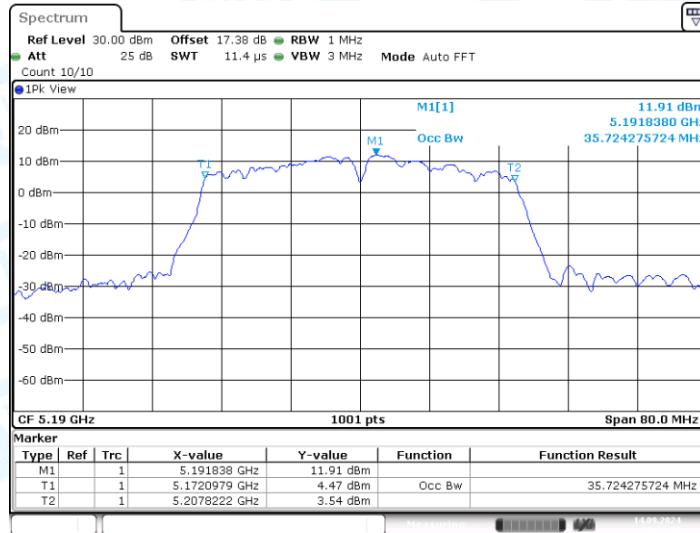
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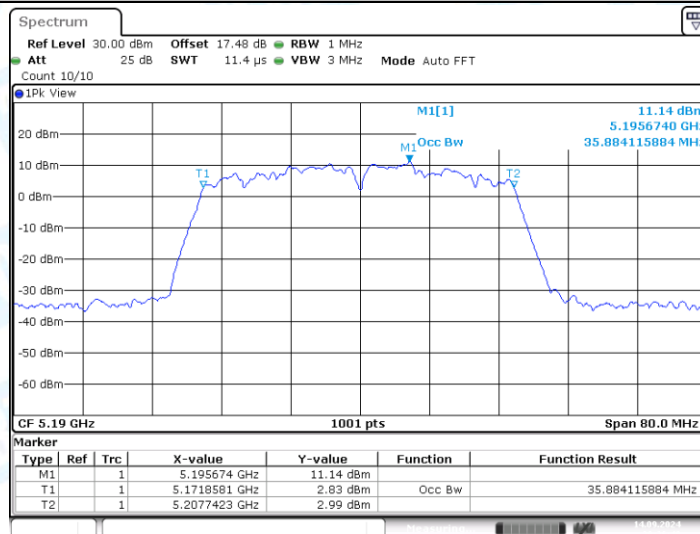
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11N40MIMO_Ant0_5190



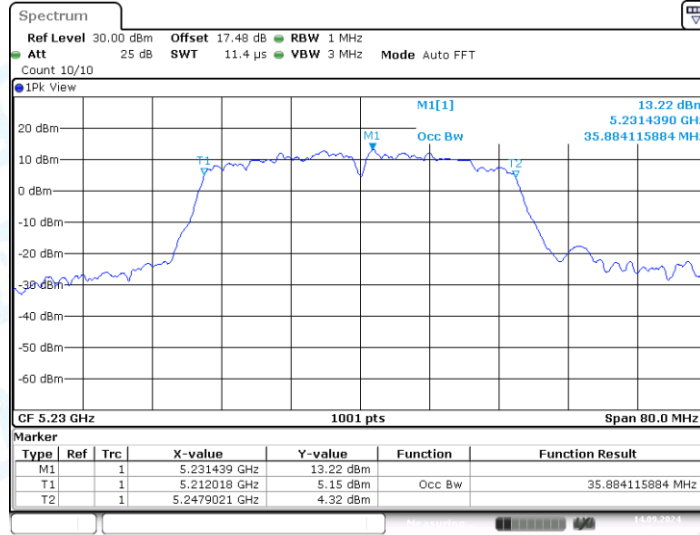
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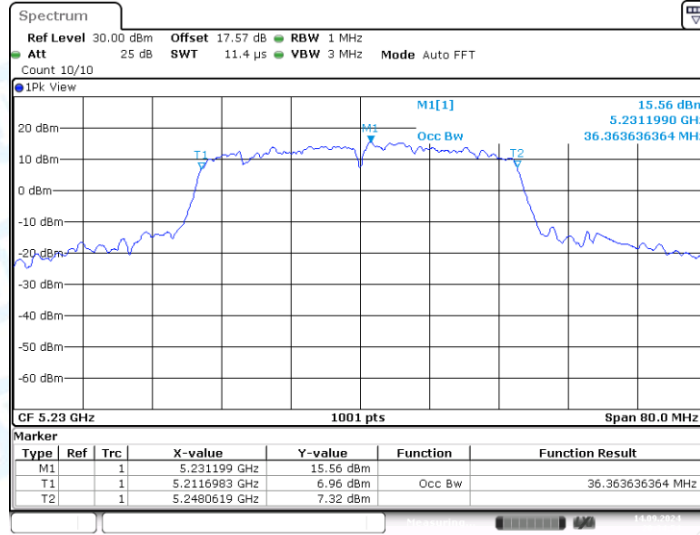


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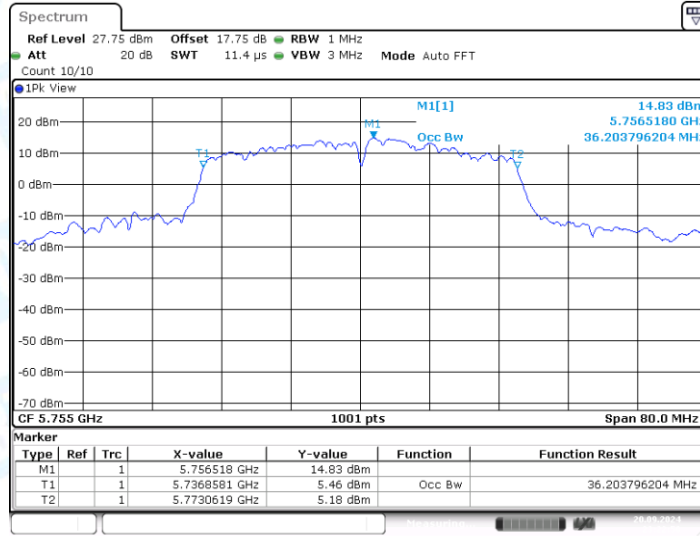
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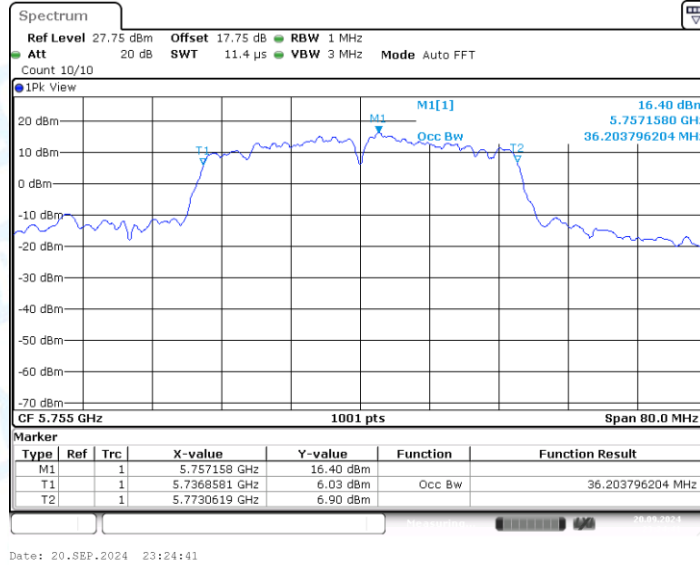
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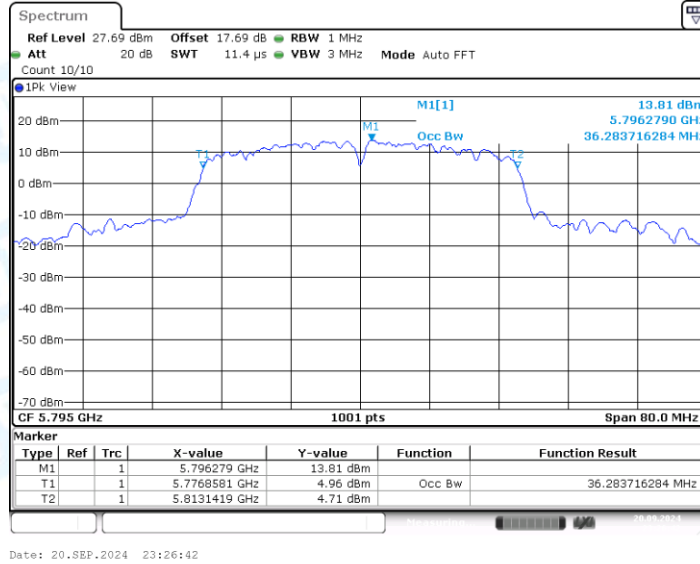
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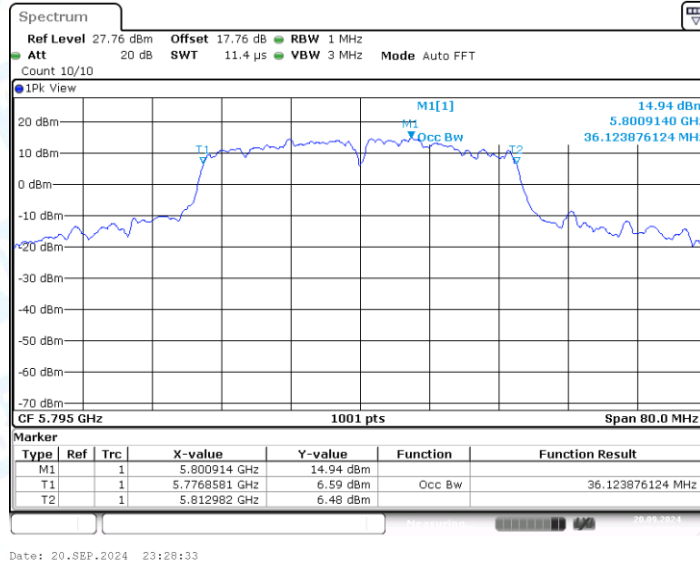
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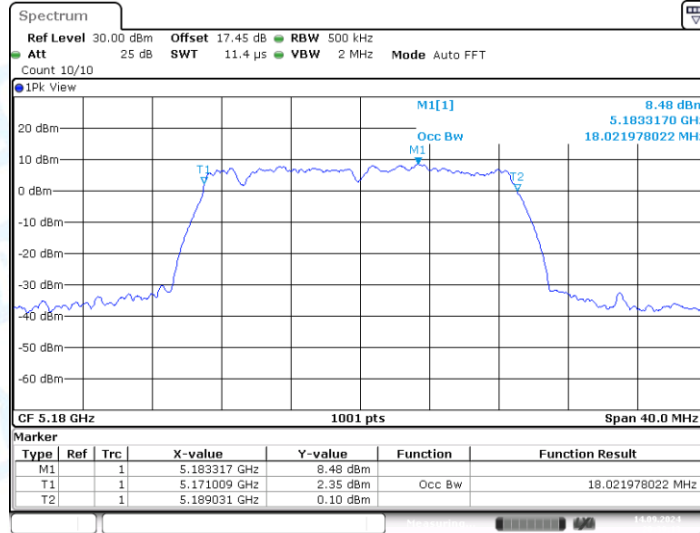
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11N40MIMO_Ant1_5795

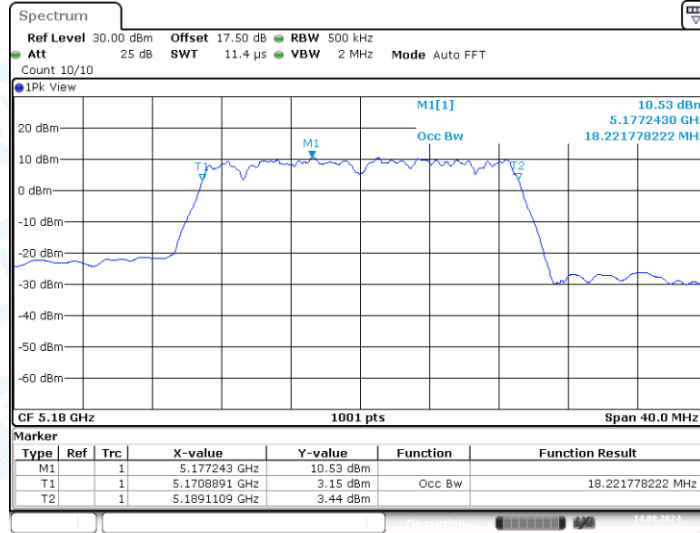


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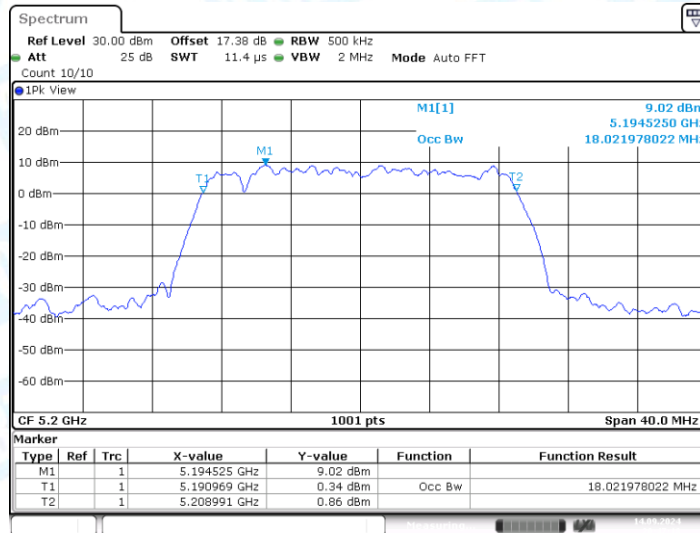
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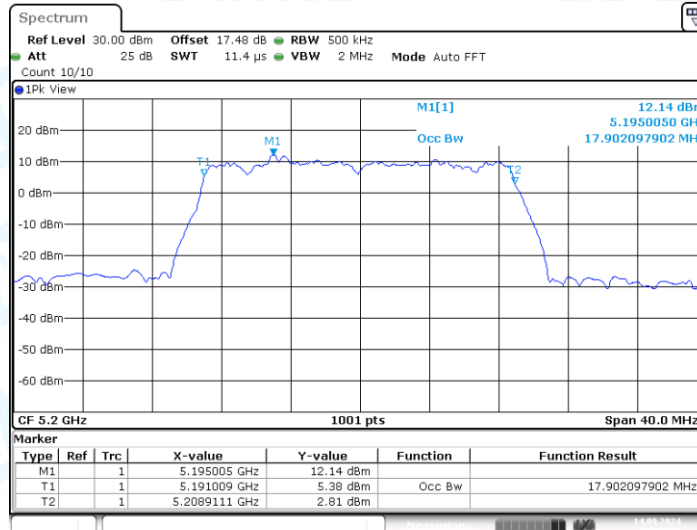
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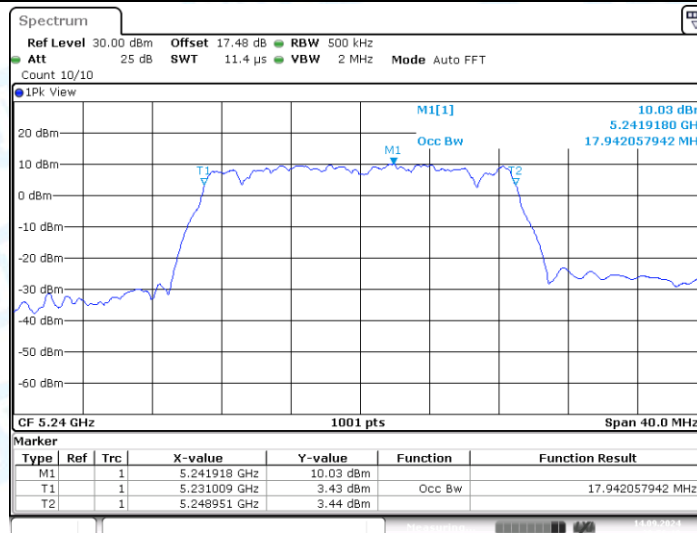
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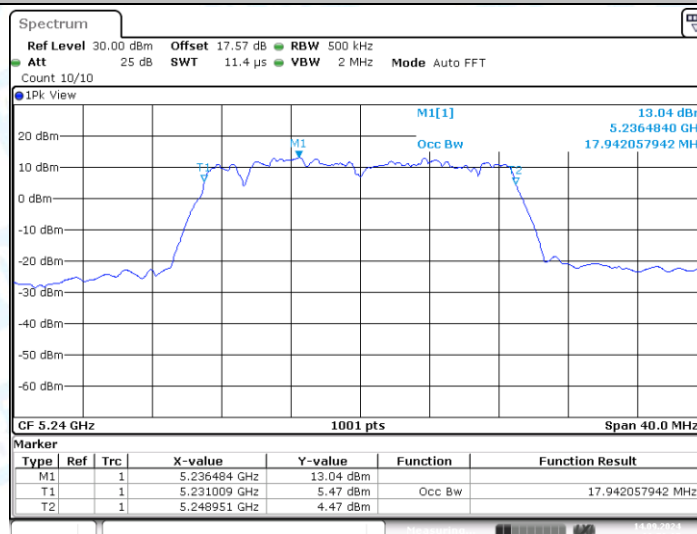
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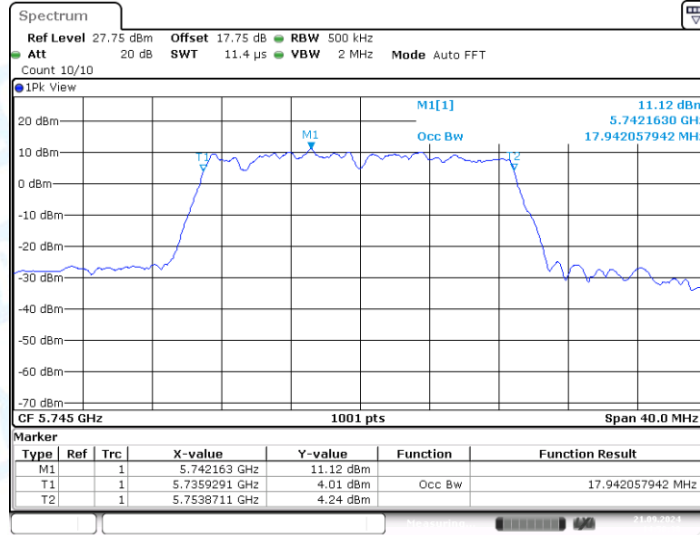
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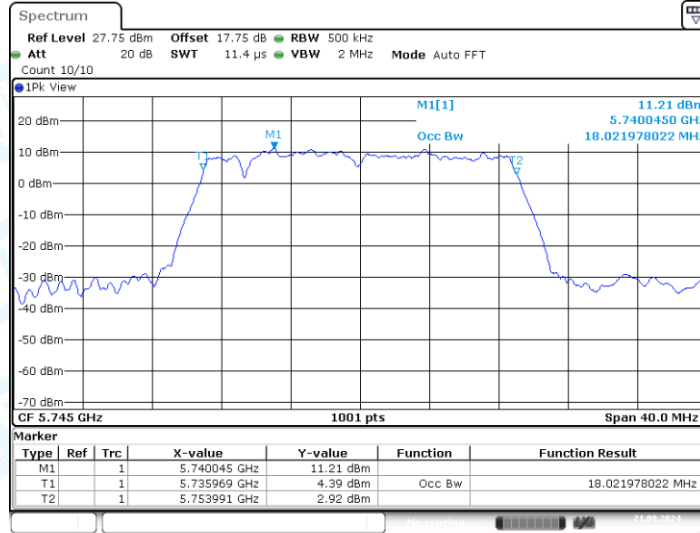
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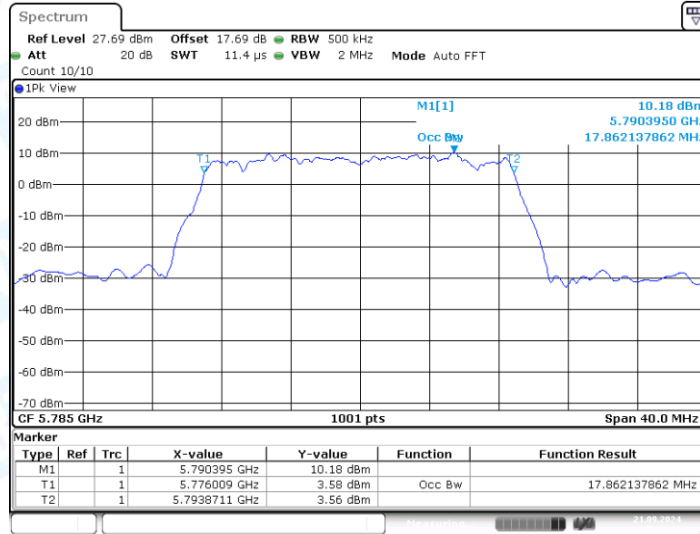
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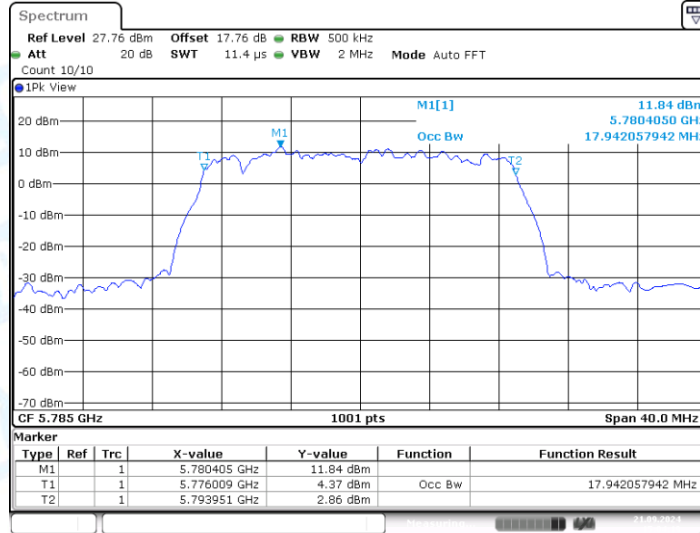
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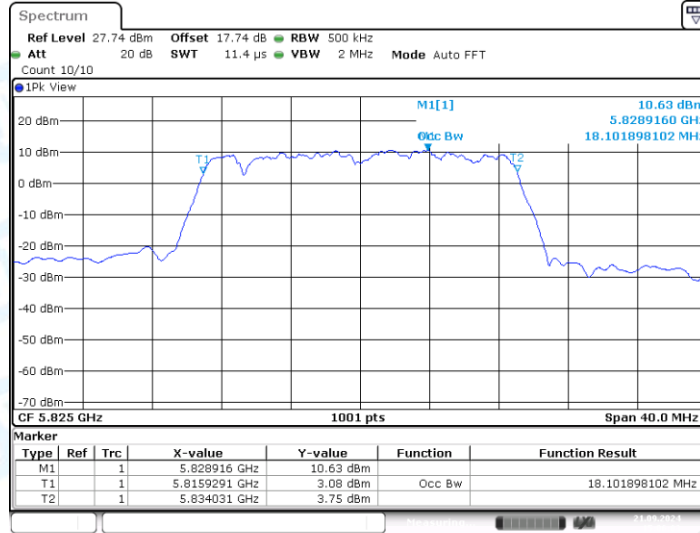
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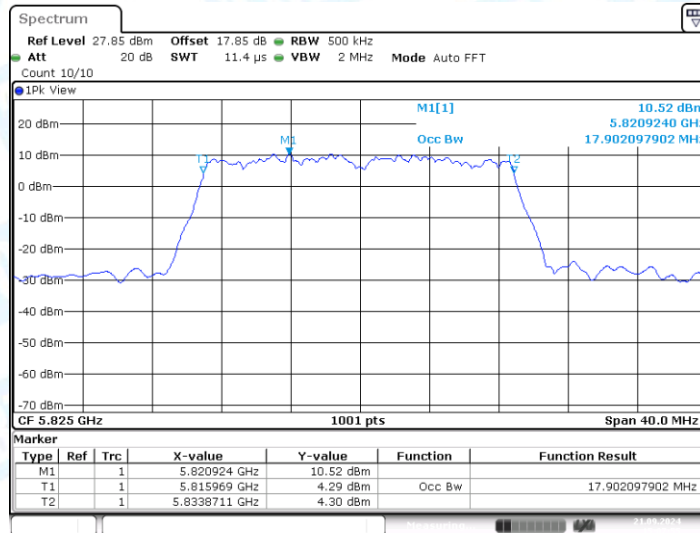
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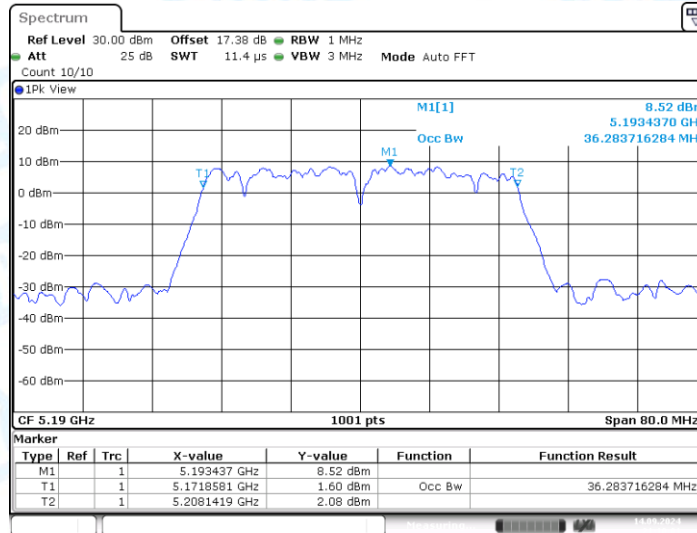
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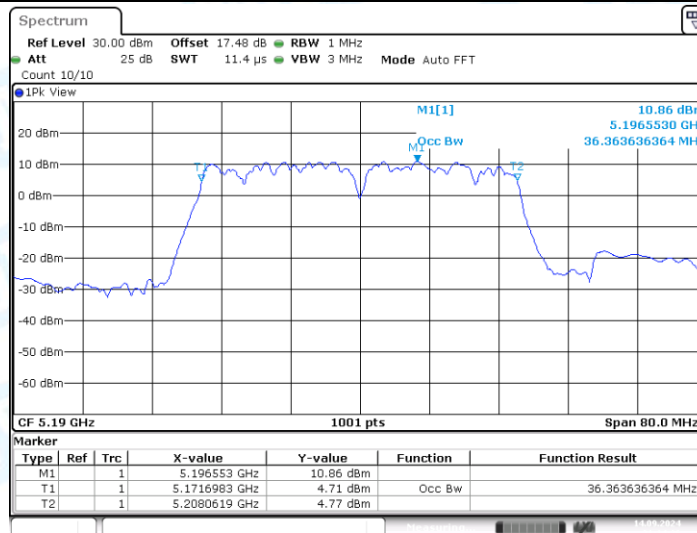
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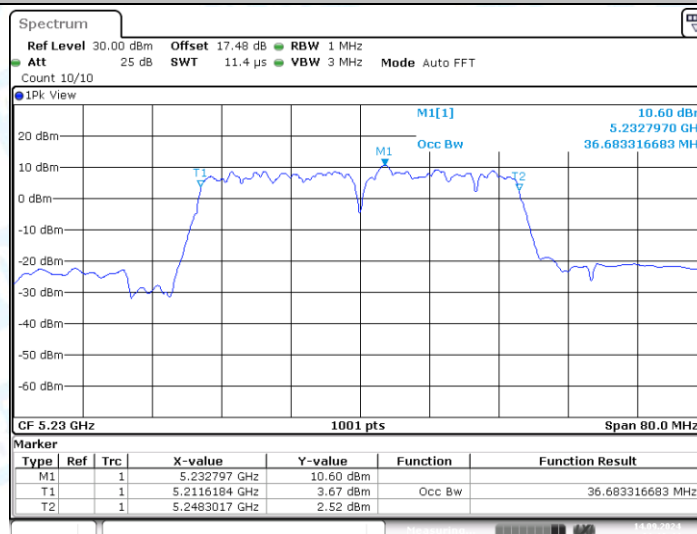
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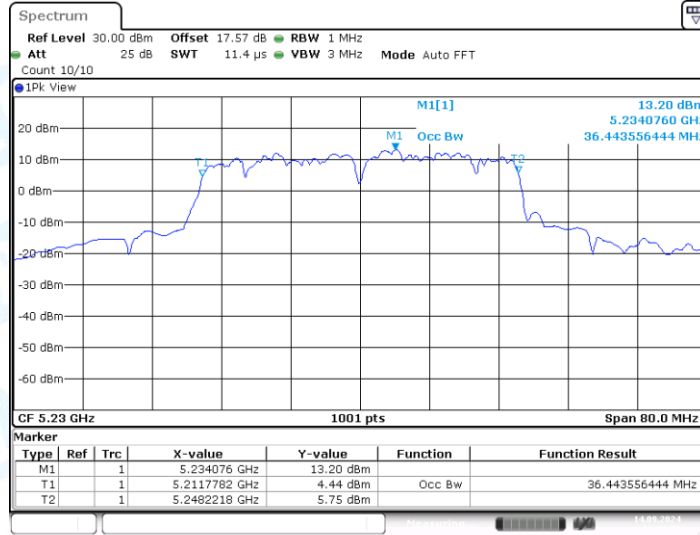
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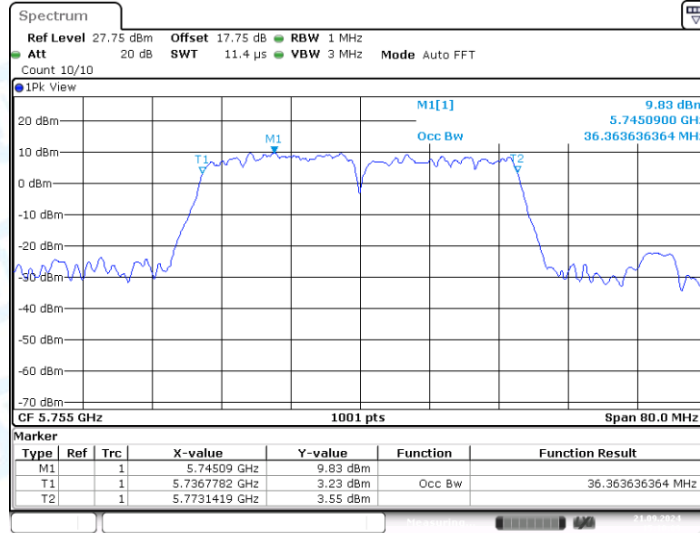
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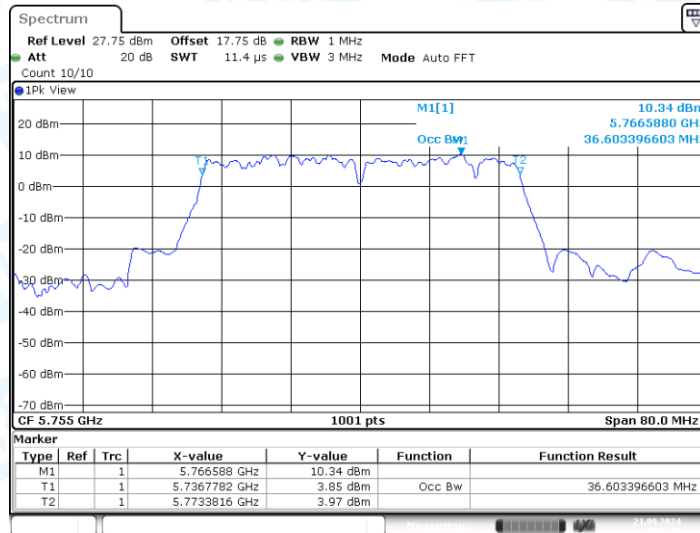
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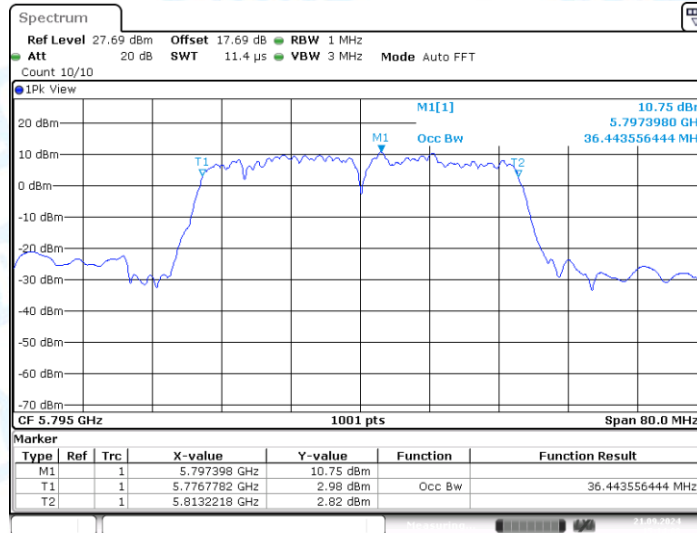
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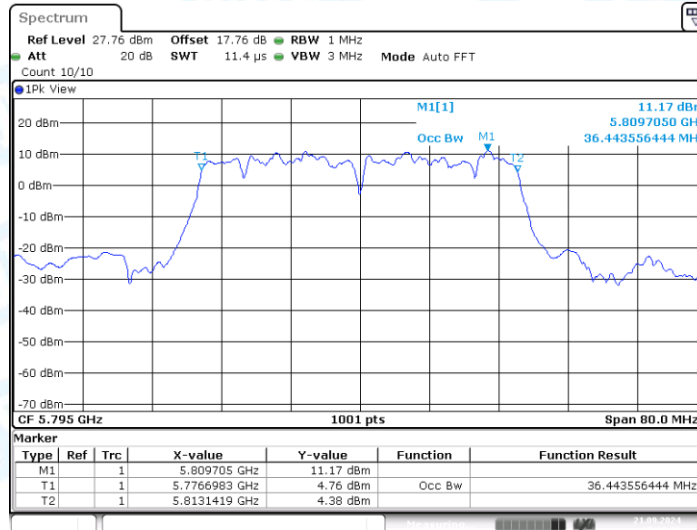
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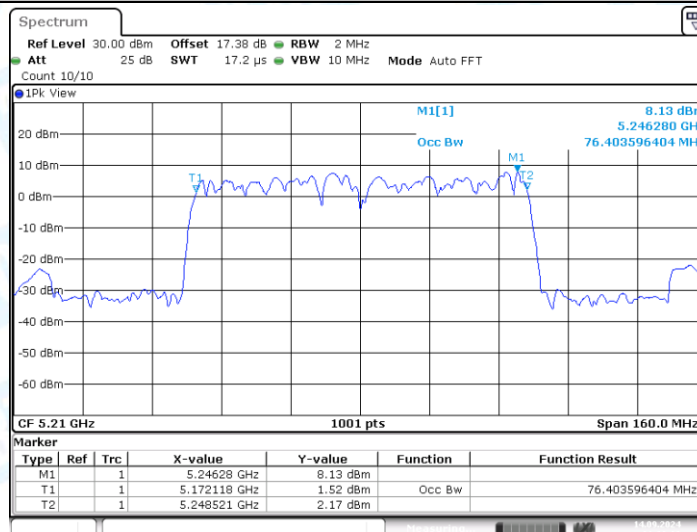
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11AC80MIMO_Ant1_5210