

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

General Description of EUT	
Product Name:	WiFi & BT combo module
Test Model:	EWN-8822CSE3AA
Sample ID:	HC-C-202308-0079-01-03-2#
Environmental Conditions	
Temperature:	25°C
Relative Humidity:	55%
Test Voltage:	DC 3.3V
Test Engineer:	Li Ying Jing
Note: For a more detailed features description, please refer to the report TBR-C-202308-0079-23 The report only show the worst case data.	

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1. Emission Bandwidth

1.1. Test Result

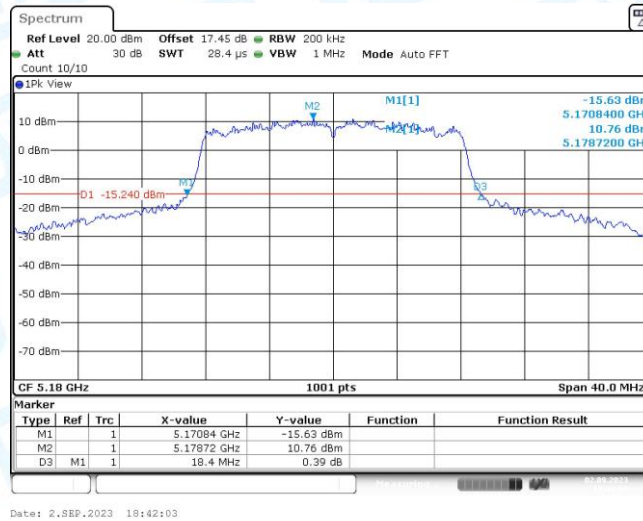
TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	18.40	5170.84	5189.24	---	---
	Ant2	5180	18.60	5170.76	5189.36	---	---
	Ant1	5200	20.04	5189.28	5209.32	---	---
	Ant2	5200	21.56	5188.20	5209.76	---	---
	Ant1	5240	18.52	5230.88	5249.40	---	---
	Ant2	5240	20.56	5229.20	5249.76	---	---
	Ant1	5260	18.44	5250.88	5269.32	---	---
	Ant2	5260	18.48	5250.80	5269.28	---	---
	Ant1	5280	18.56	5270.84	5289.40	---	---
	Ant2	5280	18.48	5270.80	5289.28	---	---
	Ant1	5320	18.44	5310.84	5329.28	---	---
	Ant2	5320	18.68	5310.48	5329.16	---	---
	Ant1	5500	18.32	5490.92	5509.24	---	---
	Ant2	5500	18.32	5490.96	5509.28	---	---
	Ant1	5580	18.28	5570.96	5589.24	---	---
	Ant2	5580	18.28	5570.92	5589.20	---	---
	Ant1	5700	20.36	5689.20	5709.56	---	---
	Ant2	5700	21.20	5688.16	5709.36	---	---
	Ant1	5720	21.40	5708.16	5729.56	---	---
	Ant2	5720	21.20	5708.16	5729.36	---	---
	Ant1	5720_UNII-2C	16.84	5708.16	5725	---	---
	Ant2	5720_UNII-2C	16.84	5708.16	5725	---	---
	Ant1	5720_UNII-3	4.56	5725	5729.56	---	---
	Ant2	5720_UNII-3	4.36	5725	5729.36	---	---
11N20MIMO	Ant1	5180	19.28	5170.32	5189.60	---	---
	Ant2	5180	19.40	5170.28	5189.68	---	---
	Ant1	5200	19.24	5190.32	5209.56	---	---
	Ant2	5200	19.24	5190.32	5209.56	---	---
	Ant1	5240	19.32	5230.36	5249.68	---	---
	Ant2	5240	19.12	5230.48	5249.60	---	---
	Ant1	5260	19.32	5250.32	5269.64	---	---
	Ant2	5260	19.28	5250.32	5269.60	---	---
	Ant1	5280	19.20	5270.40	5289.60	---	---
	Ant2	5280	19.36	5270.32	5289.68	---	---
	Ant1	5320	19.20	5310.40	5329.60	---	---
	Ant2	5320	19.24	5310.36	5329.60	---	---
	Ant1	5500	19.28	5490.32	5509.60	---	---
	Ant2	5500	19.44	5490.28	5509.72	---	---
	Ant1	5580	19.20	5570.36	5589.56	---	---
	Ant2	5580	19.12	5570.48	5589.60	---	---

	Ant1	5700	19.24	5690.40	5709.64	---	---
	Ant2	5700	19.28	5690.36	5709.64	---	---
	Ant1	5720	19.20	5710.32	5729.52	---	---
	Ant2	5720	19.24	5710.36	5729.60	---	---
	Ant1	5720_UNII-2C	14.68	5710.32	5725	---	---
	Ant2	5720_UNII-2C	14.64	5710.36	5725	---	---
	Ant1	5720_UNII-3	4.52	5725	5729.52	---	---
	Ant2	5720_UNII-3	4.6	5725	5729.60	---	---
11N40MIMO	Ant1	5190	39.36	5170.24	5209.60	---	---
	Ant2	5190	39.28	5170.40	5209.68	---	---
	Ant1	5230	39.12	5210.40	5249.52	---	---
	Ant2	5230	39.36	5210.32	5249.68	---	---
	Ant1	5270	39.36	5250.32	5289.68	---	---
	Ant2	5270	38.96	5250.56	5289.52	---	---
	Ant1	5310	39.28	5290.40	5329.68	---	---
	Ant2	5310	38.88	5290.48	5329.36	---	---
	Ant1	5510	39.12	5490.48	5529.60	---	---
	Ant2	5510	39.36	5490.32	5529.68	---	---
	Ant1	5550	39.20	5530.32	5569.52	---	---
	Ant2	5550	39.28	5530.32	5569.60	---	---
	Ant1	5670	39.20	5650.56	5689.76	---	---
	Ant2	5670	38.96	5650.32	5689.28	---	---
	Ant1	5710	38.80	5690.64	5729.44	---	---
	Ant2	5710	39.20	5690.32	5729.52	---	---
	Ant1	5710_UNII-2C	34.36	5690.64	5725	---	---
	Ant2	5710_UNII-2C	34.68	5690.32	5725	---	---
	Ant1	5710_UNII-3	4.44	5725	5729.44	---	---
	Ant2	5710_UNII-3	4.52	5725	5729.52	---	---
11AC20MIMO	Ant1	5180	19.16	5170.36	5189.52	---	---
	Ant2	5180	19.36	5170.32	5189.68	---	---
	Ant1	5200	19.48	5190.28	5209.76	---	---
	Ant2	5200	19.32	5190.36	5209.68	---	---
	Ant1	5240	19.32	5230.40	5249.72	---	---
	Ant2	5240	19.44	5230.28	5249.72	---	---
	Ant1	5260	19.36	5250.32	5269.68	---	---
	Ant2	5260	19.12	5250.44	5269.56	---	---
	Ant1	5280	19.36	5270.36	5289.72	---	---
	Ant2	5280	19.36	5270.28	5289.64	---	---
	Ant1	5320	19.24	5310.40	5329.64	---	---
	Ant2	5320	19.24	5310.40	5329.64	---	---
	Ant1	5500	19.16	5490.44	5509.60	---	---
	Ant2	5500	19.20	5490.40	5509.60	---	---
	Ant1	5580	19.28	5570.36	5589.64	---	---
	Ant2	5580	19.12	5570.40	5589.52	---	---
	Ant1	5700	22.60	5687.00	5709.60	---	---

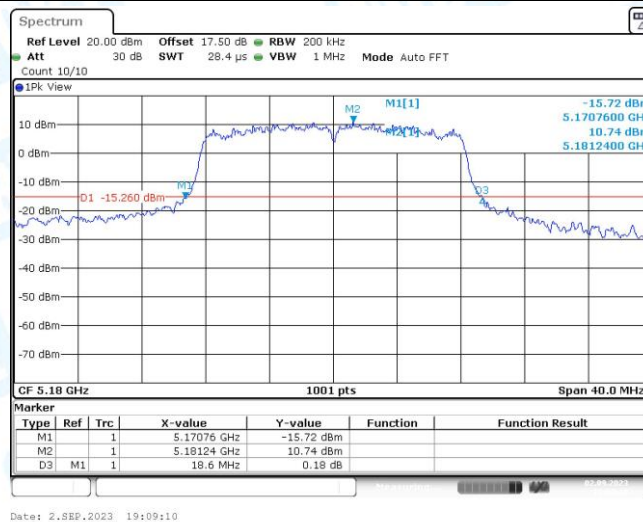
	Ant2	5700	19.20	5690.40	5709.60	---	---
	Ant1	5720	19.28	5710.36	5729.64	---	---
	Ant2	5720	19.28	5710.36	5729.64	---	---
	Ant1	5720_UNII-2C	14.64	5710.36	5725	---	---
	Ant2	5720_UNII-2C	14.64	5710.36	5725	---	---
	Ant1	5720_UNII-3	4.64	5725	5729.64	---	---
	Ant2	5720_UNII-3	4.64	5725	5729.64	---	---
11AC40MIMO	Ant1	5190	39.04	5170.48	5209.52	---	---
	Ant2	5190	39.12	5170.40	5209.52	---	---
	Ant1	5230	39.36	5210.32	5249.68	---	---
	Ant2	5230	39.04	5210.40	5249.44	---	---
	Ant1	5270	39.12	5250.48	5289.60	---	---
	Ant2	5270	39.04	5250.56	5289.60	---	---
	Ant1	5310	39.12	5290.40	5329.52	---	---
	Ant2	5310	39.12	5290.40	5329.52	---	---
	Ant1	5510	39.20	5490.48	5529.68	---	---
	Ant2	5510	38.96	5490.48	5529.44	---	---
	Ant1	5550	39.04	5530.56	5569.60	---	---
	Ant2	5550	38.88	5530.56	5569.44	---	---
	Ant1	5670	39.36	5650.32	5689.68	---	---
	Ant2	5670	39.04	5650.40	5689.44	---	---
	Ant1	5710	39.20	5690.48	5729.68	---	---
	Ant2	5710	39.28	5690.32	5729.60	---	---
	Ant1	5710_UNII-2C	34.52	5690.48	5725	---	---
	Ant2	5710_UNII-2C	34.68	5690.32	5725	---	---
	Ant1	5710_UNII-3	4.68	5725	5729.68	---	---
	Ant2	5710_UNII-3	4.6	5725	5729.60	---	---
11AC80MIMO	Ant1	5210	79.84	5170.00	5249.84	---	---
	Ant2	5210	79.84	5170.00	5249.84	---	---
	Ant1	5290	79.52	5250.32	5329.84	---	---
	Ant2	5290	80.16	5250.00	5330.16	---	---
	Ant1	5530	79.84	5490.16	5570.00	---	---
	Ant2	5530	79.68	5490.16	5569.84	---	---
	Ant1	5610	79.84	5570.00	5649.84	---	---
	Ant2	5610	80.64	5570.16	5650.80	---	---
	Ant1	5690	79.68	5650.00	5729.68	---	---
	Ant2	5690	80.00	5649.84	5729.84	---	---
	Ant1	5690_UNII-2C	75	5650.00	5725	---	---
	Ant2	5690_UNII-2C	75.16	5649.84	5725	---	---
	Ant1	5690_UNII-3	4.68	5725	5729.68	---	---
	Ant2	5690_UNII-3	4.84	5725	5729.84	---	---

2.1. Test Graphs

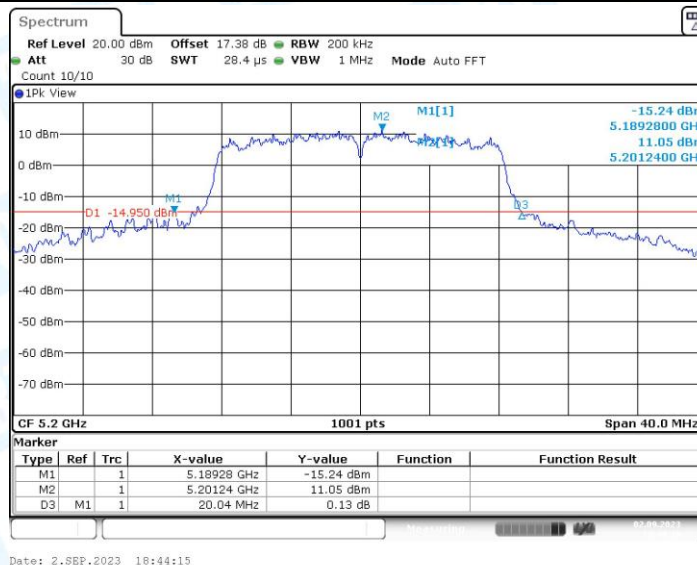
11A_Ant1_5180



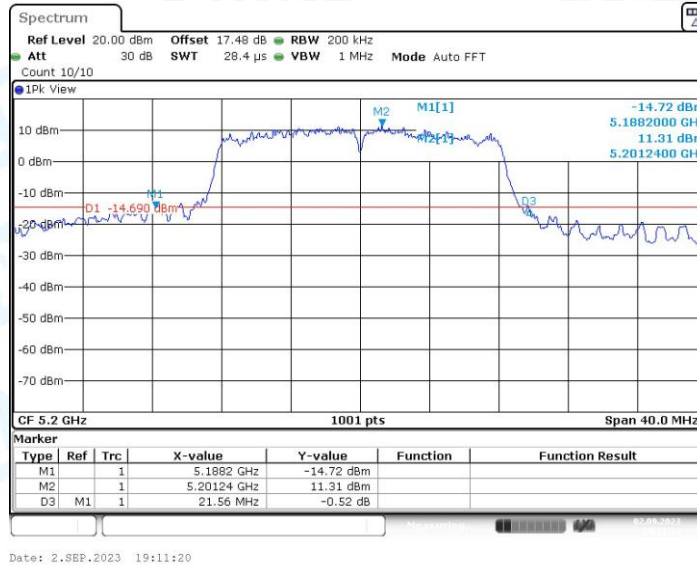
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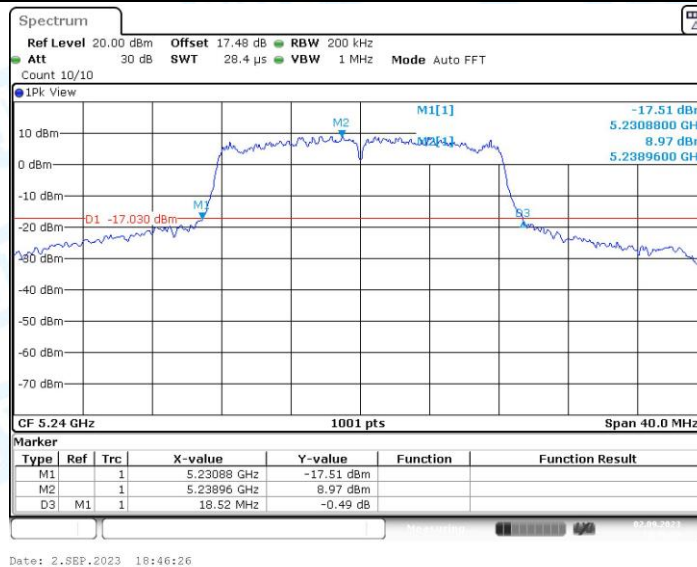
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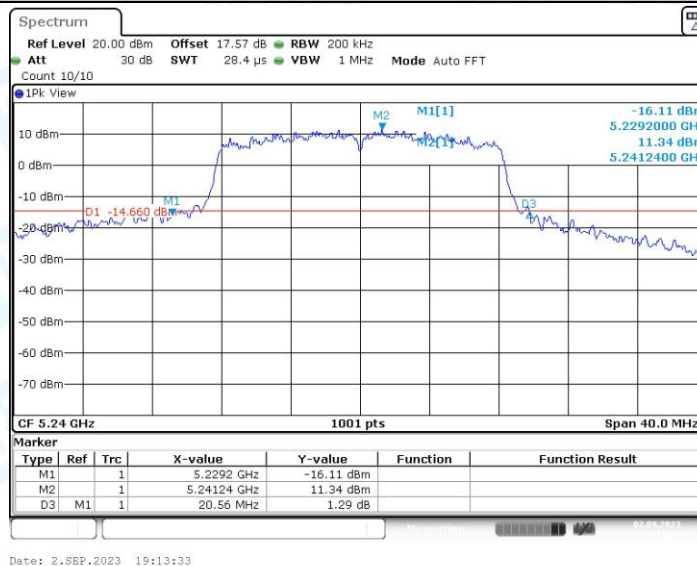
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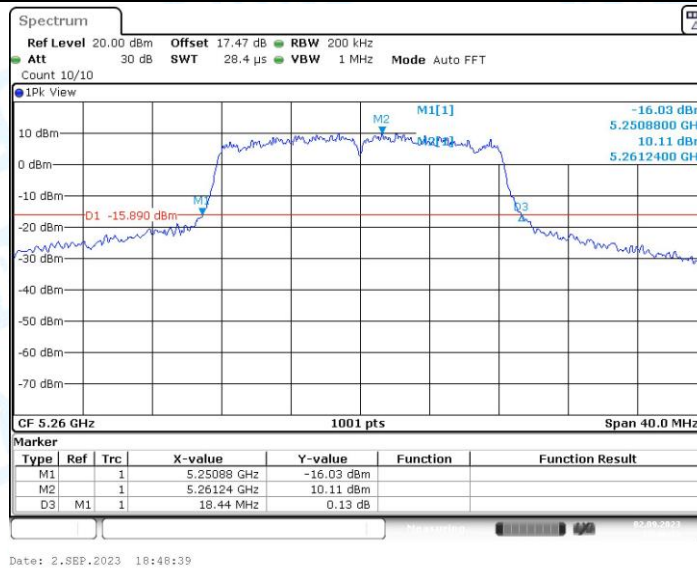
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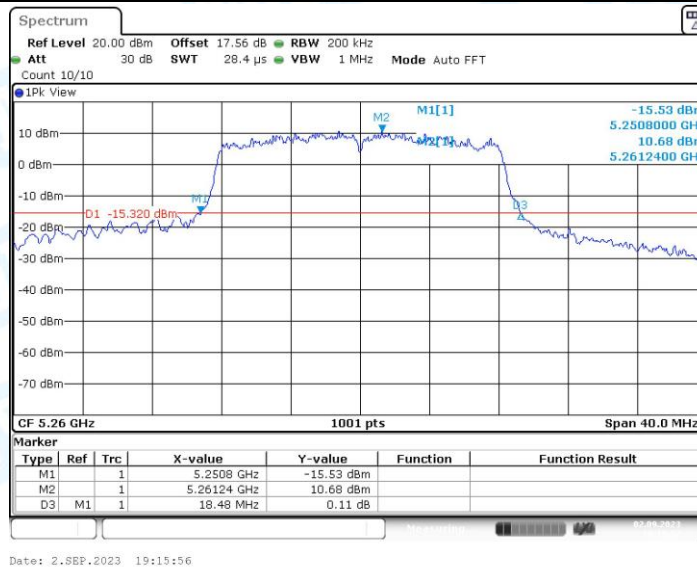
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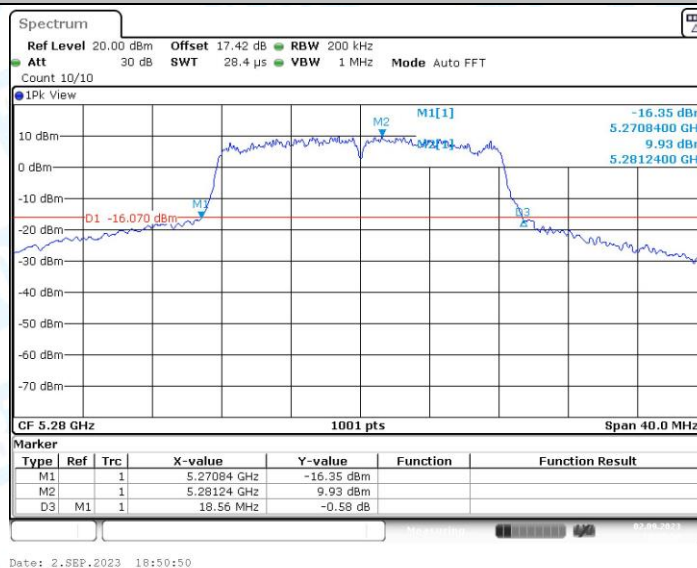
11A_Ant1_5260



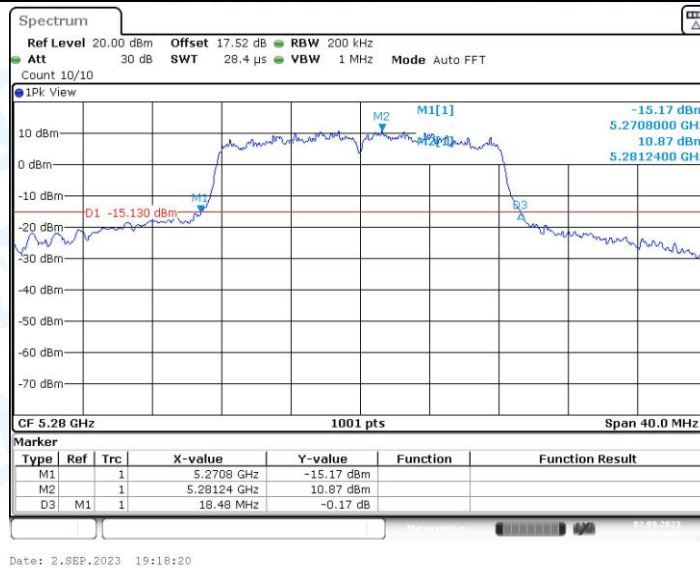
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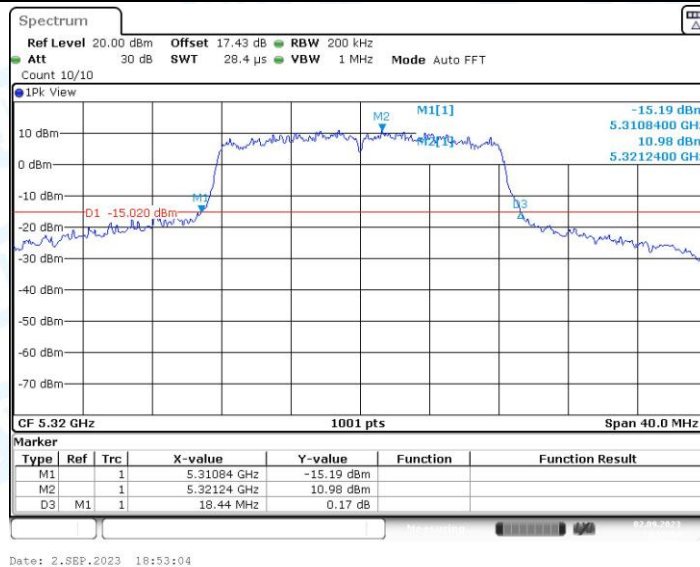
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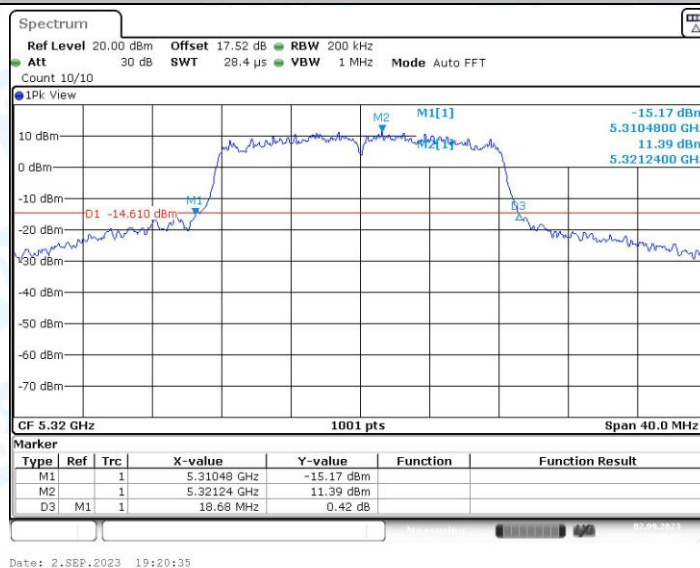
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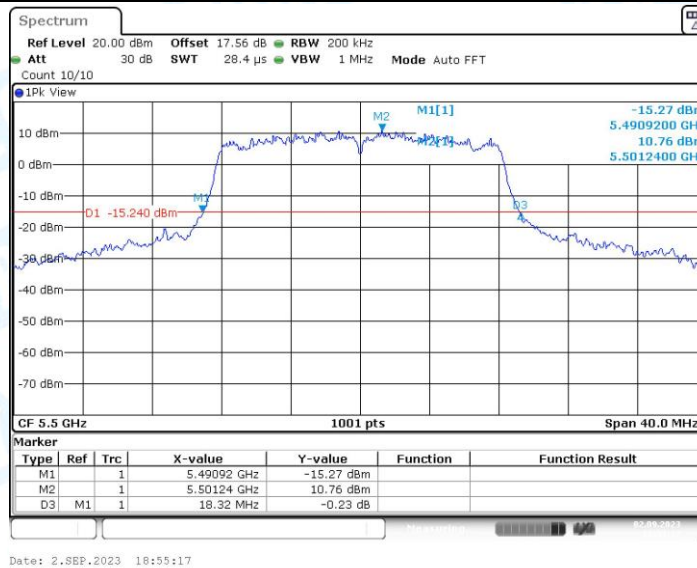
11A_Ant1_5320



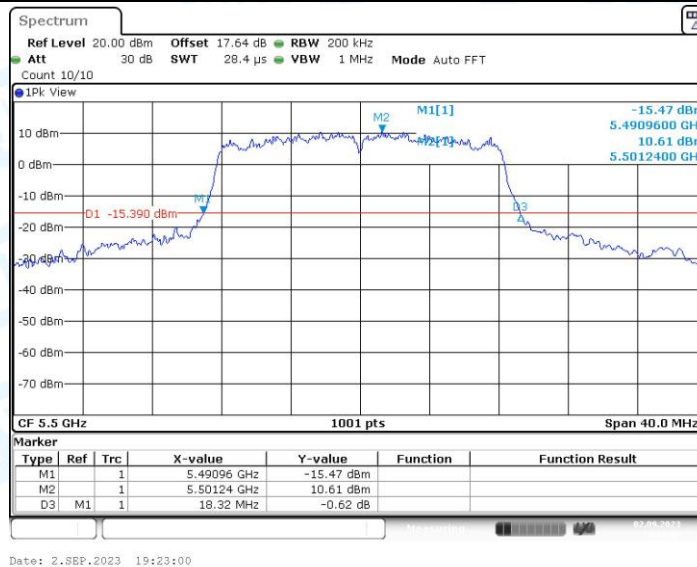
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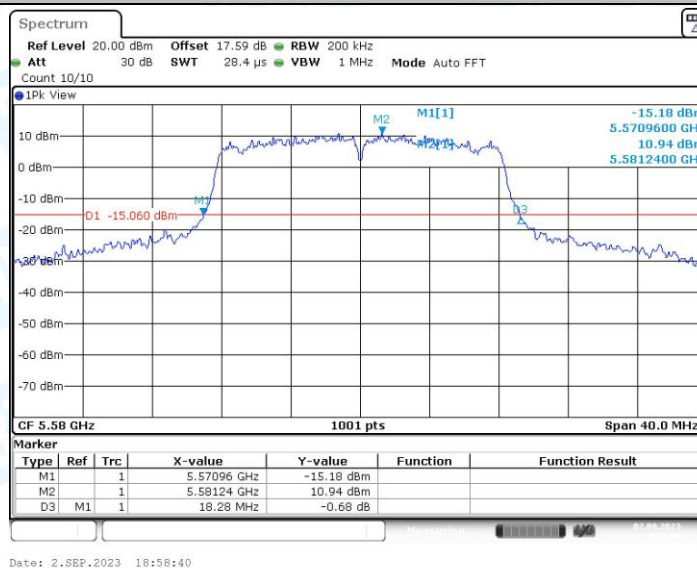
11A_Ant1_5500



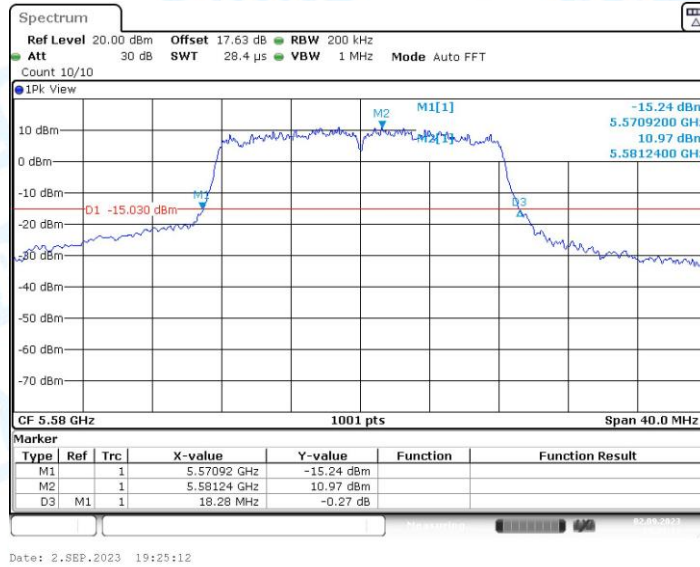
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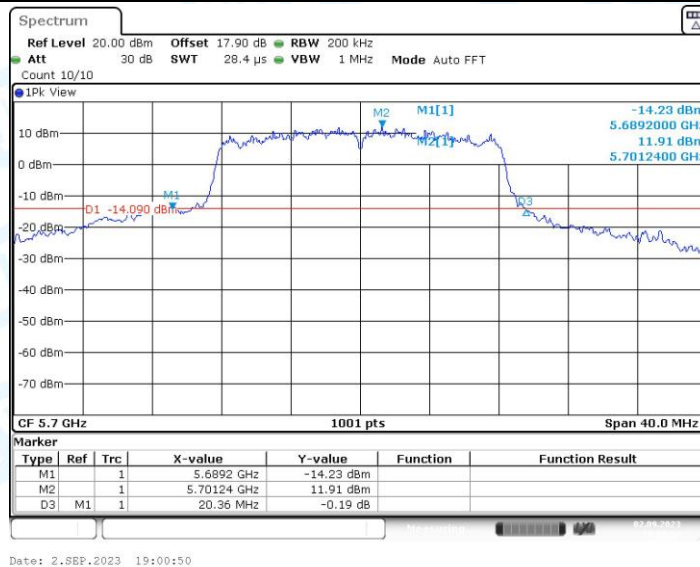
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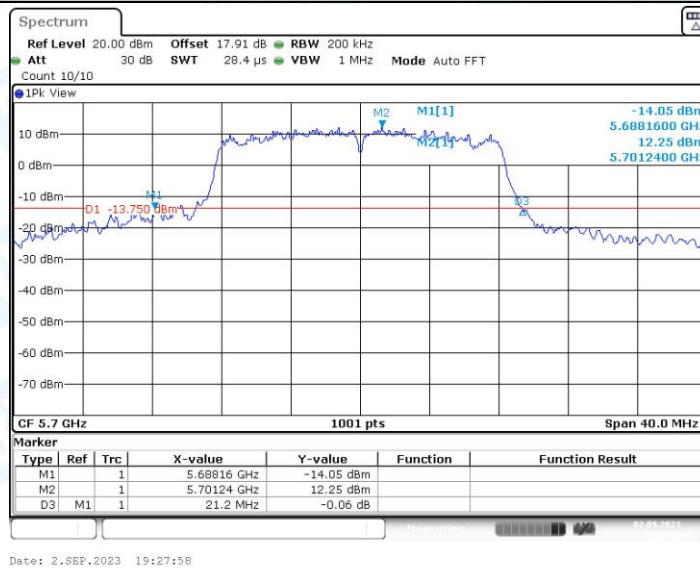
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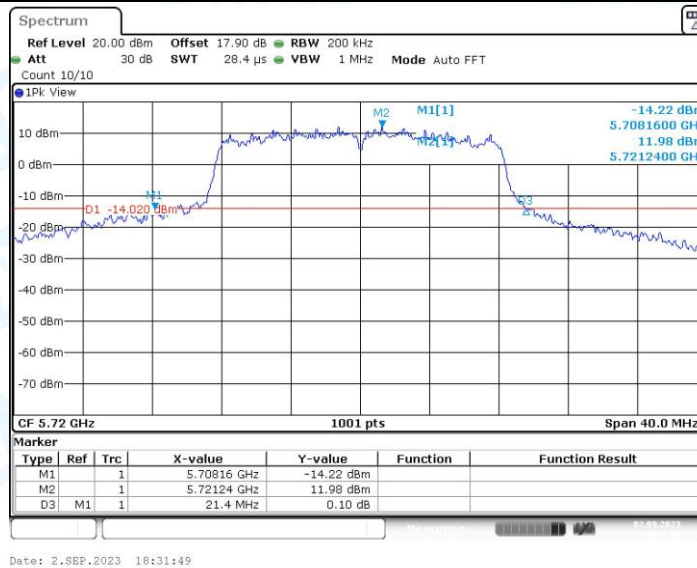
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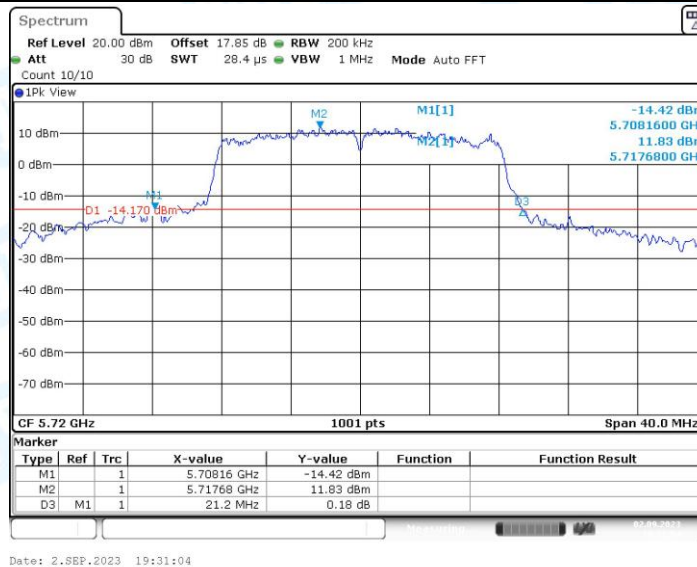
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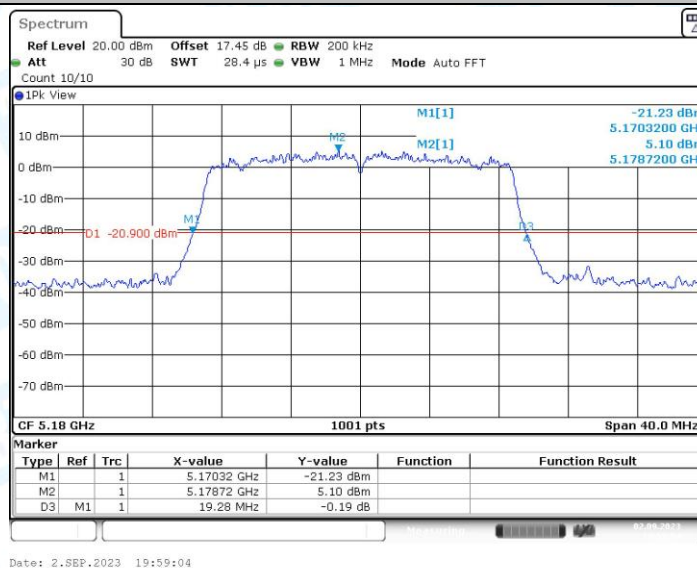
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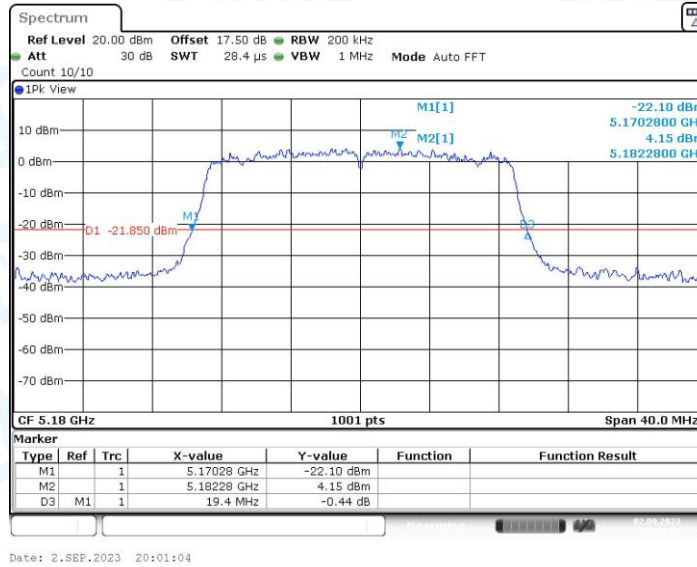
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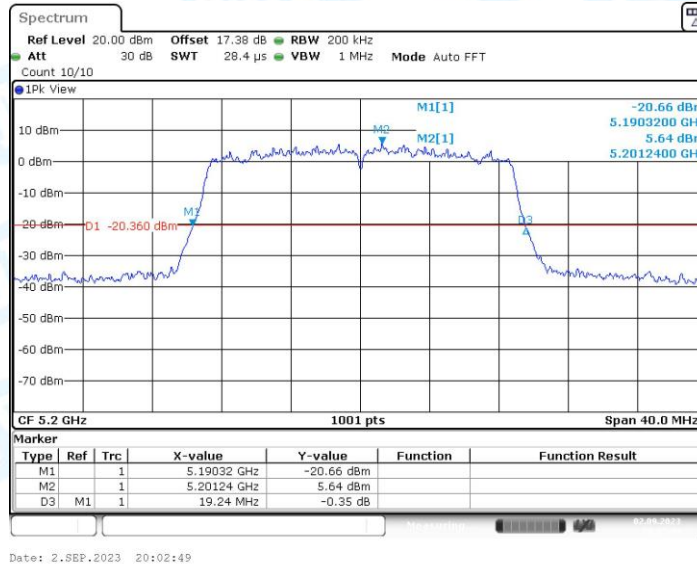
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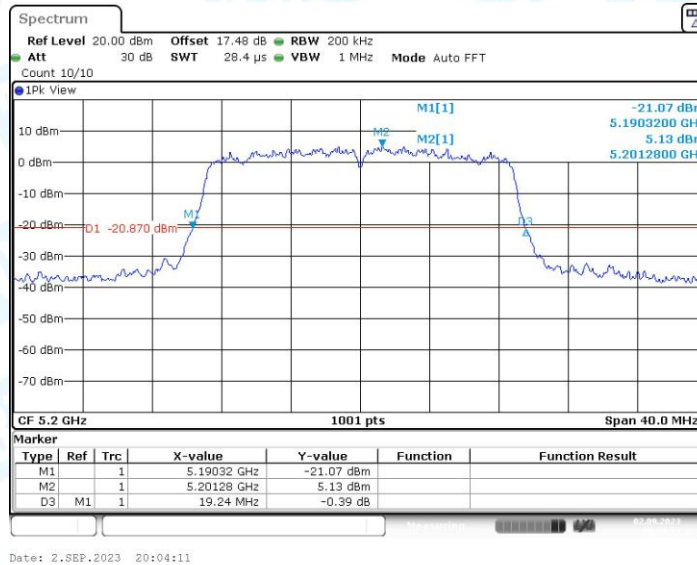
11N20MIMO_Ant2_5180



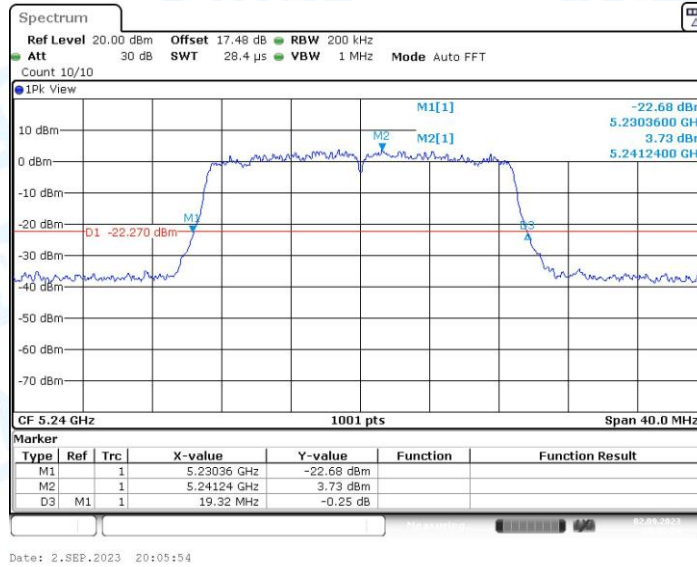
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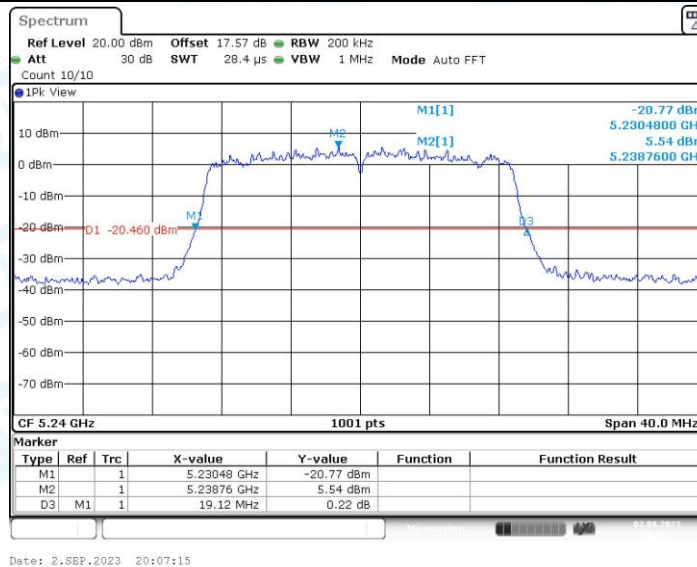
11N20MIMO_Ant2_5200



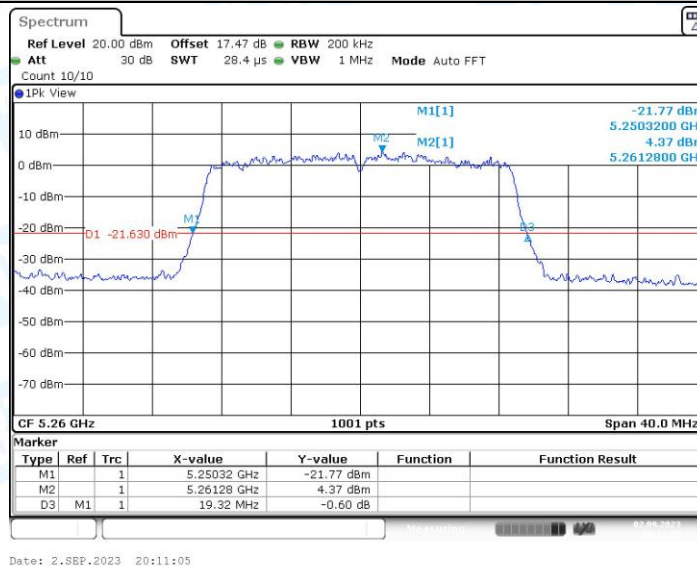
11N20MIMO_Ant1_5240



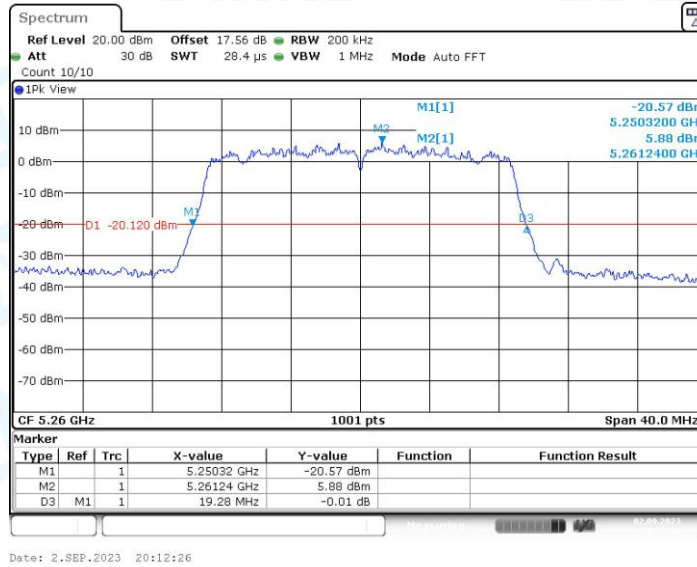
11N20MIMO_Ant2_5240



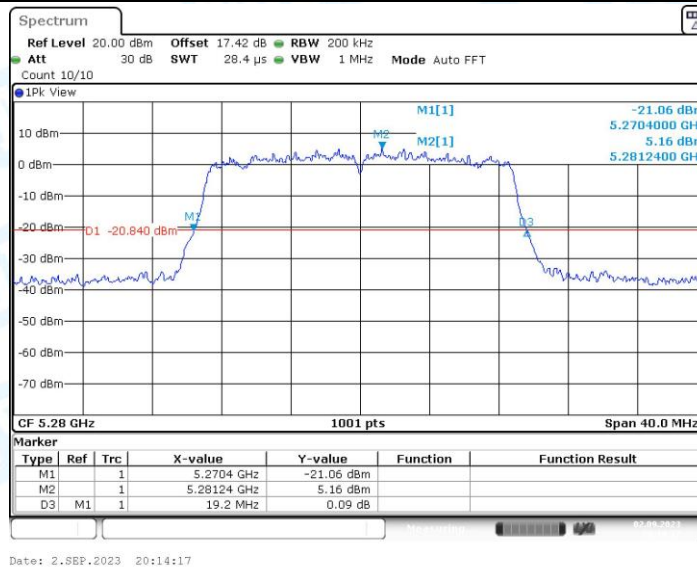
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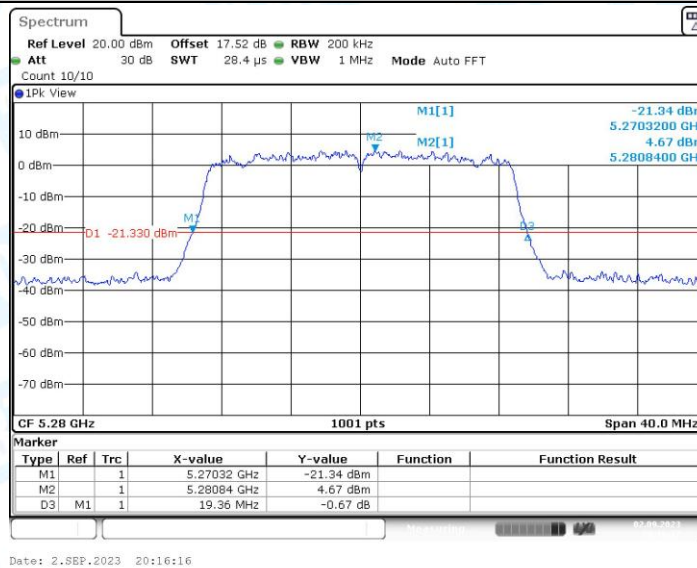
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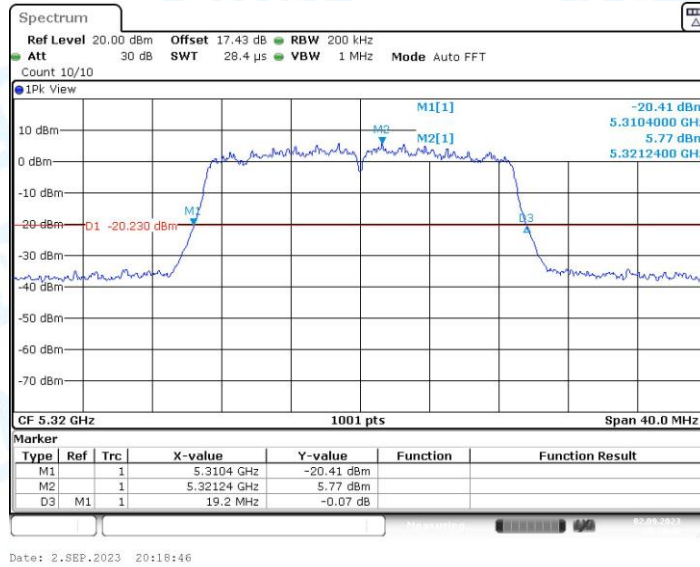
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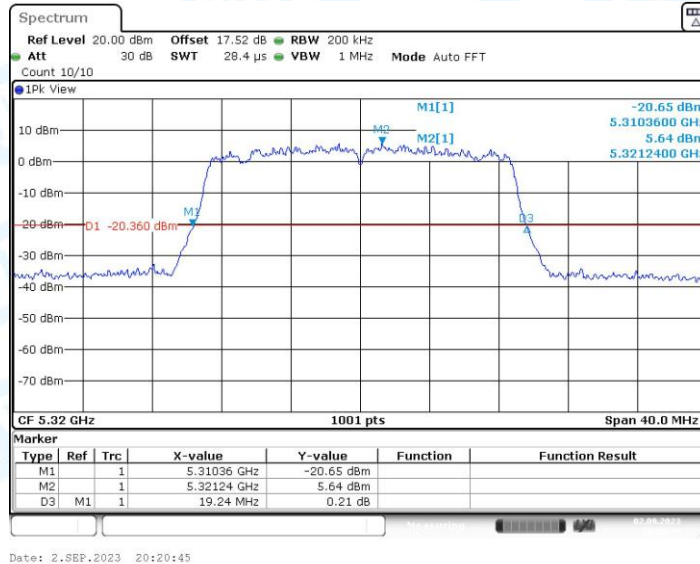
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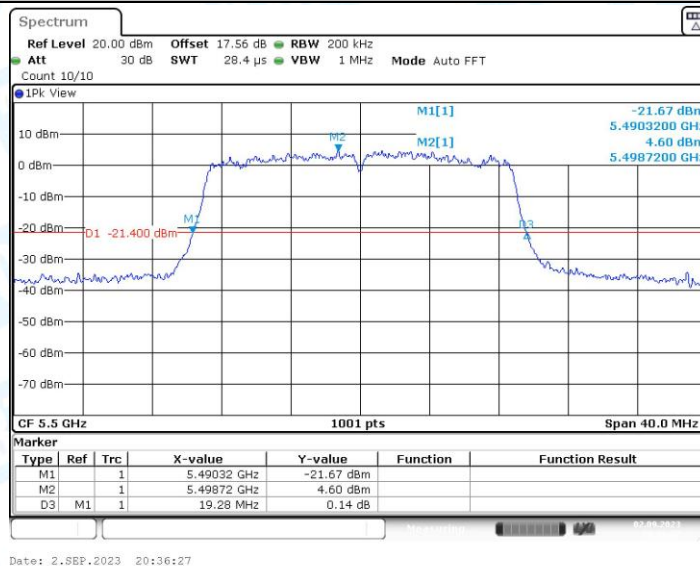
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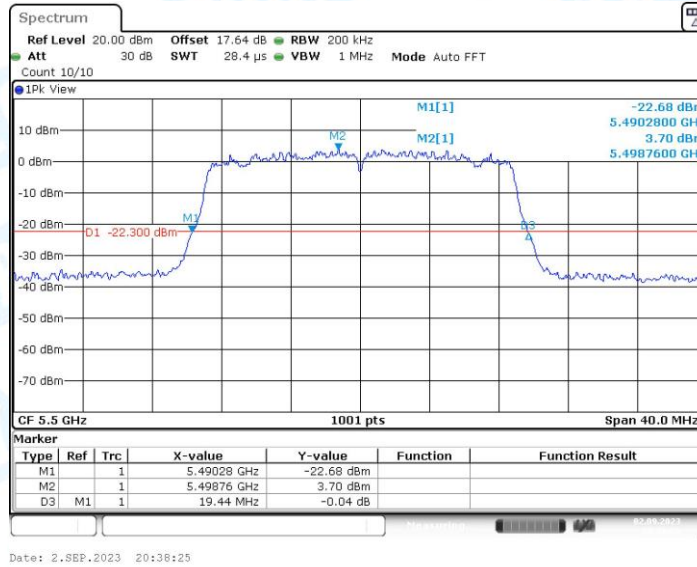
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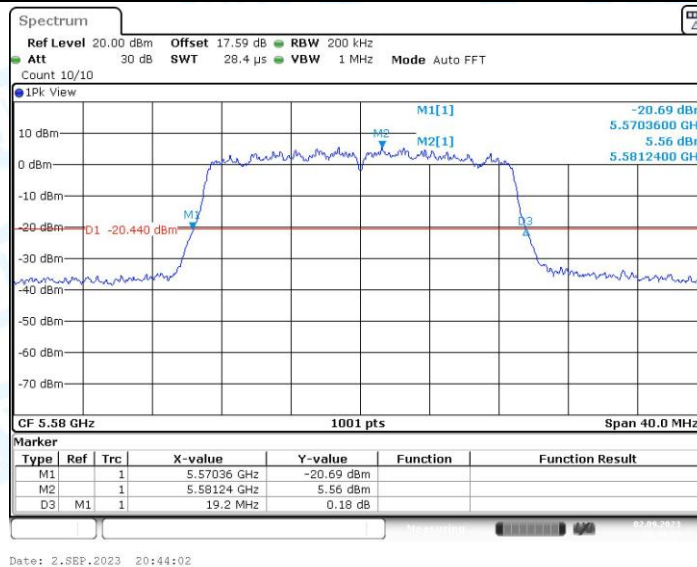
11N20MIMO_Ant1_5500



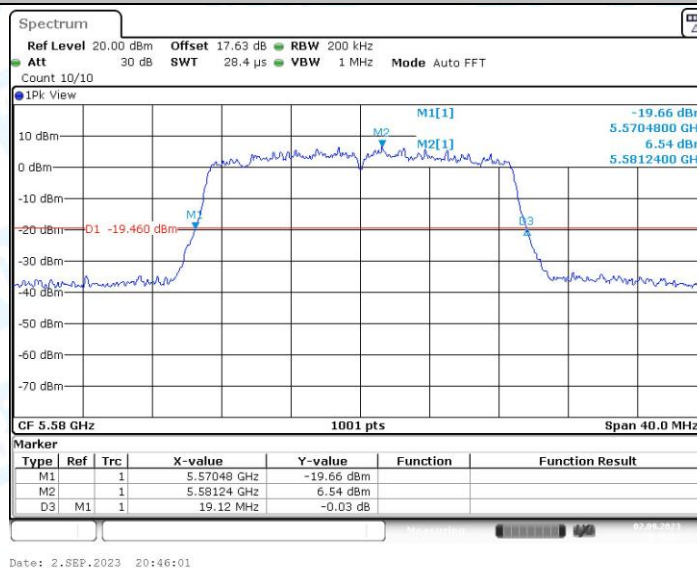
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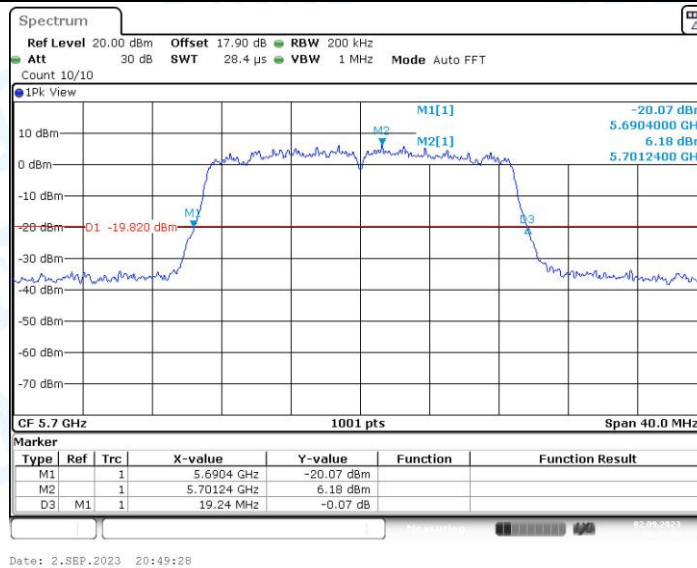
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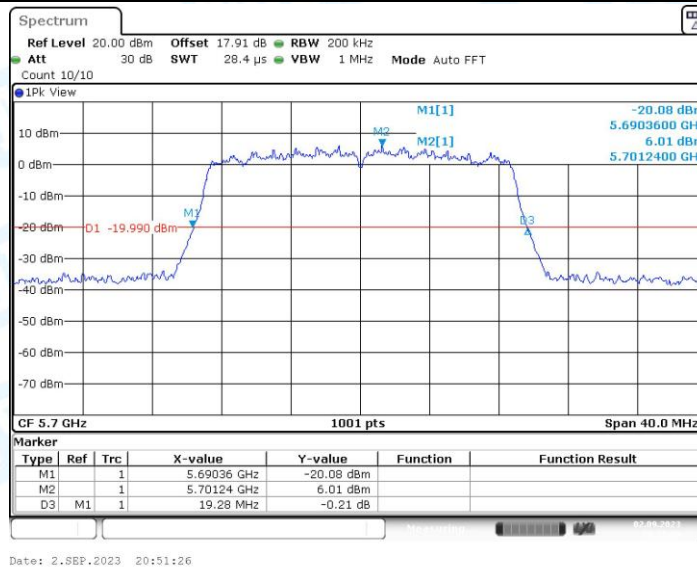
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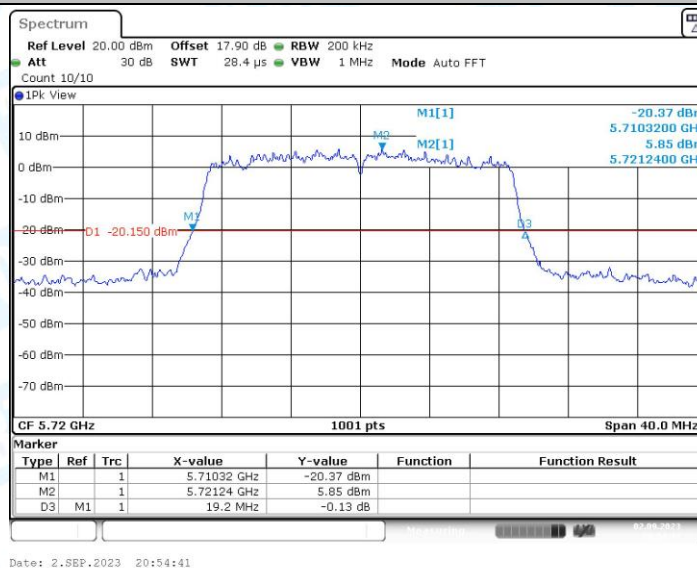
11N20MIMO_Ant1_5700



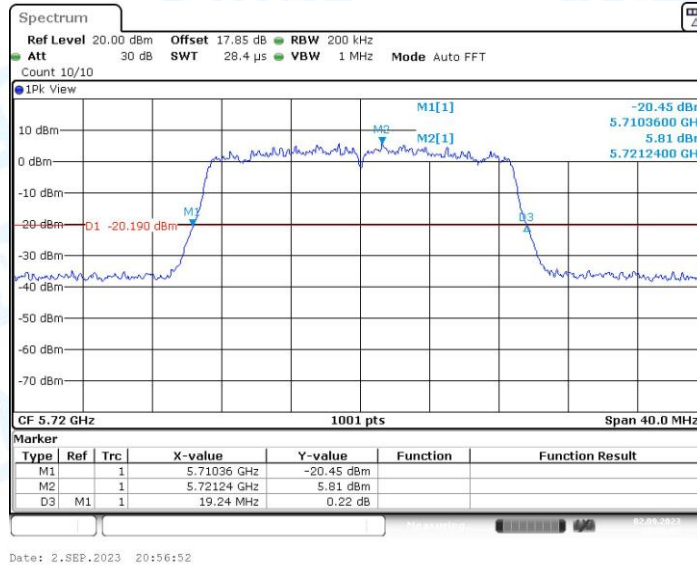
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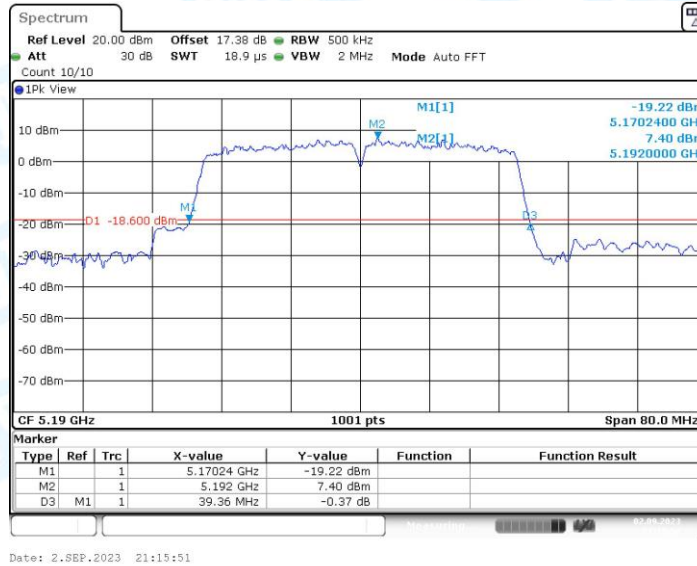
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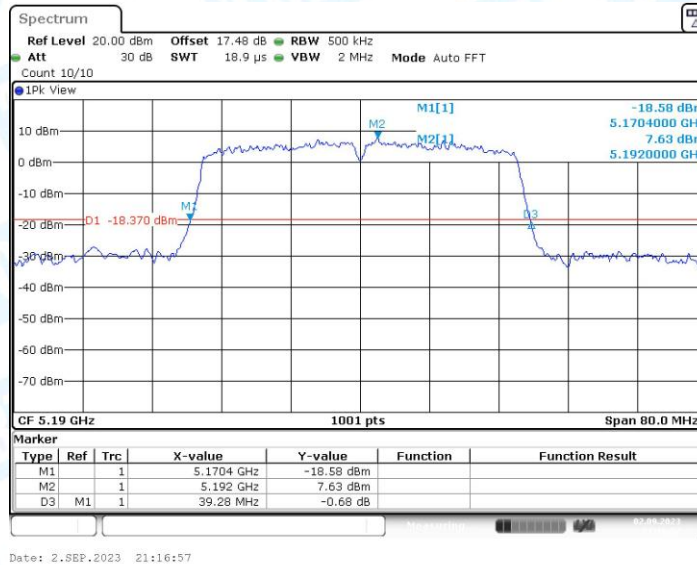
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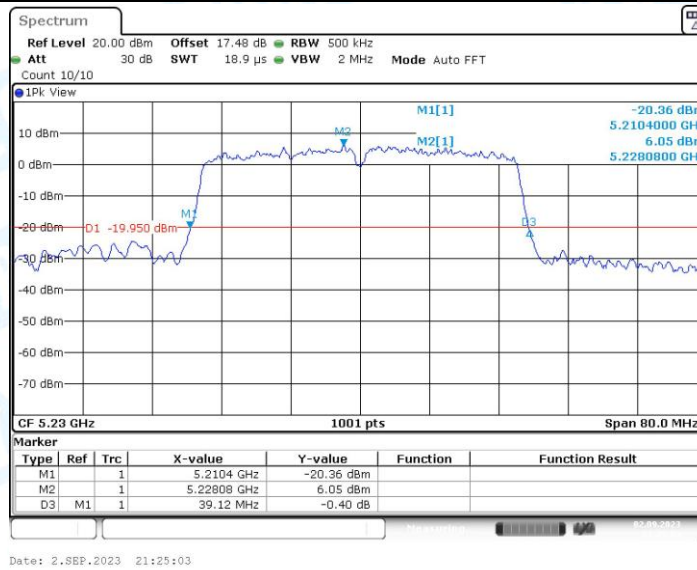
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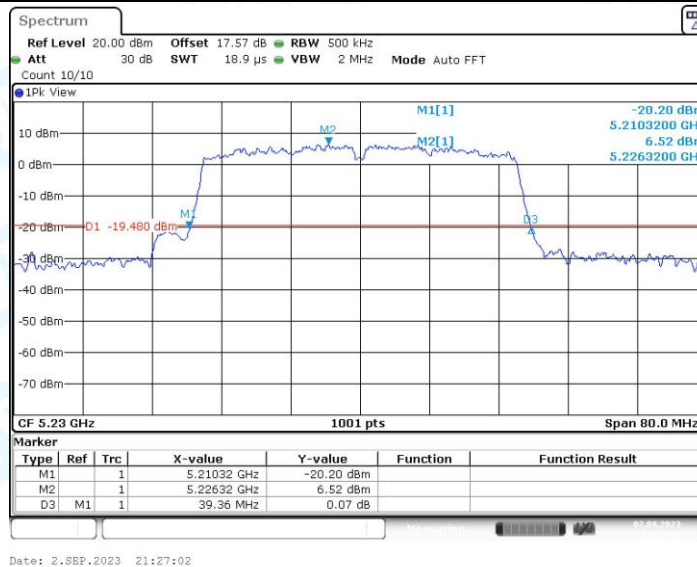
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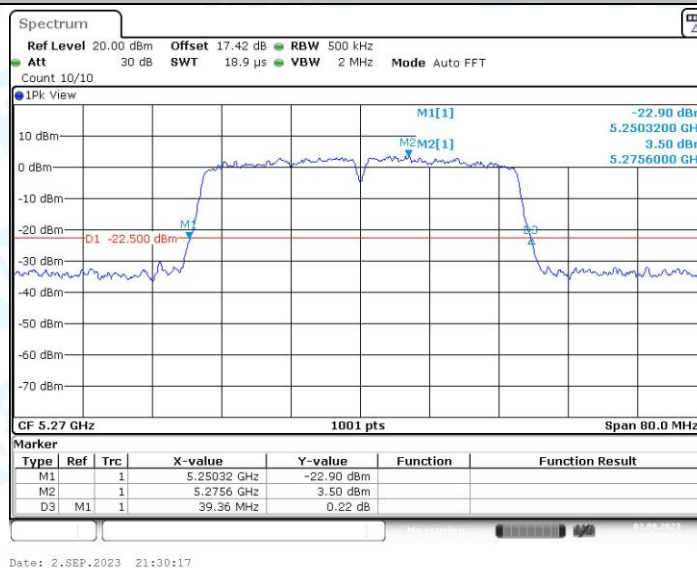
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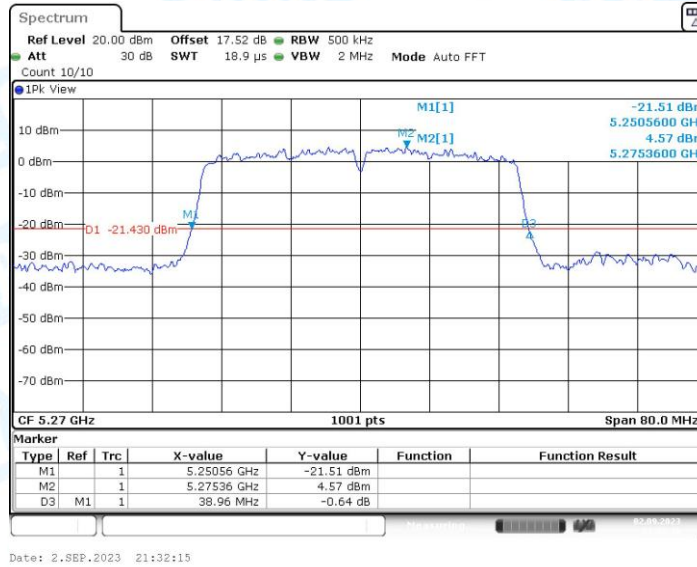
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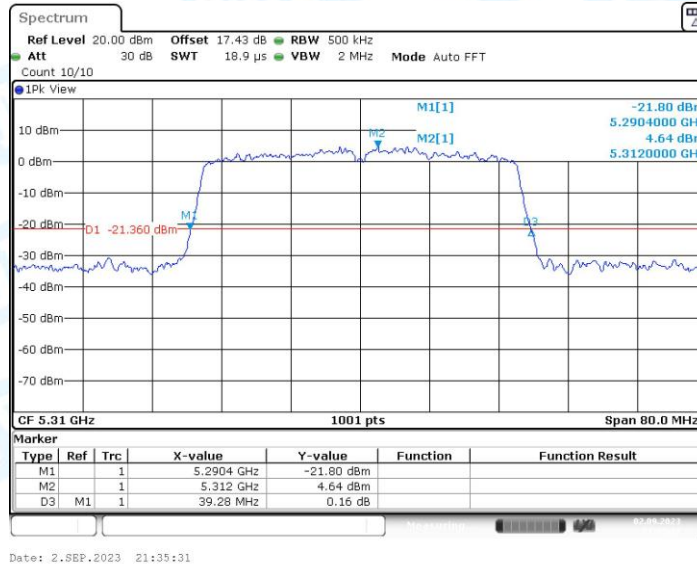
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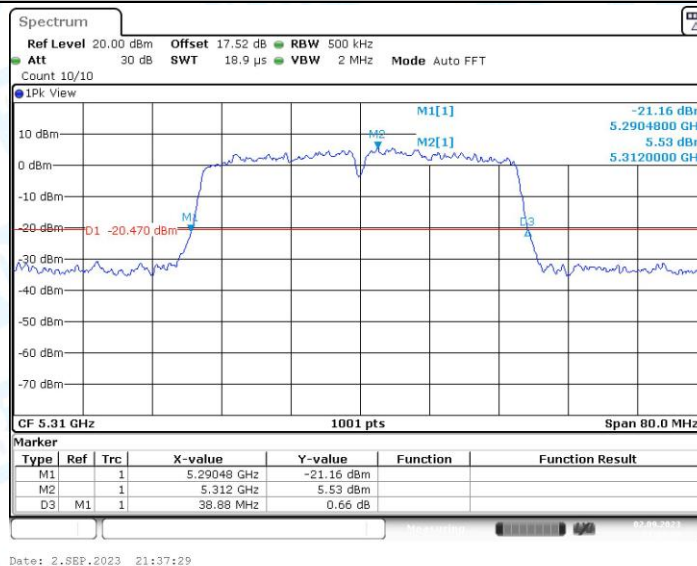
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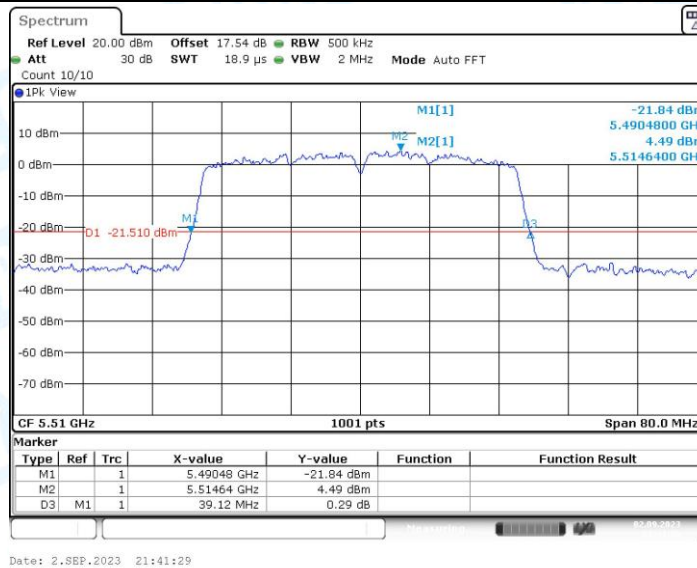
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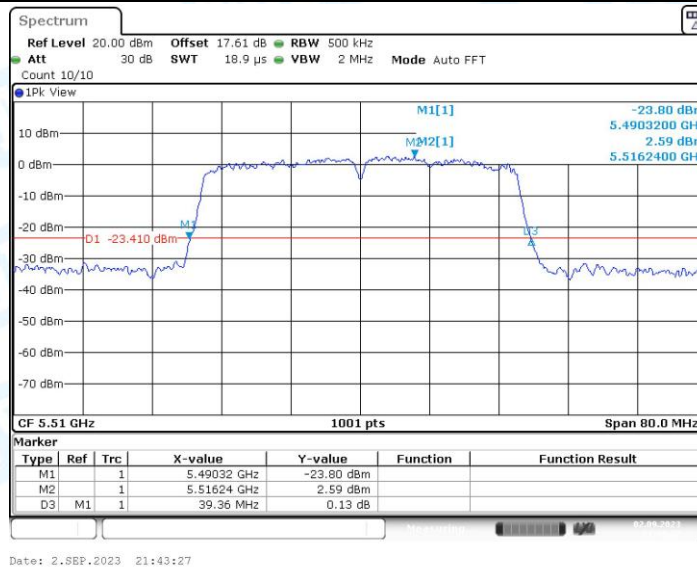
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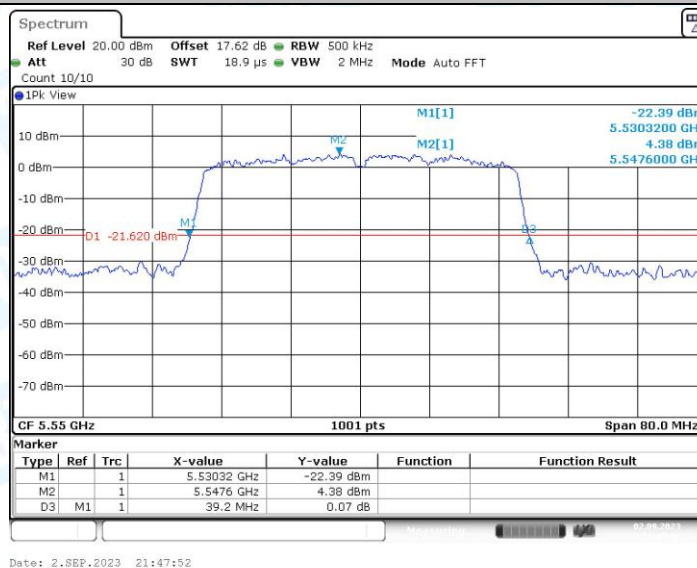
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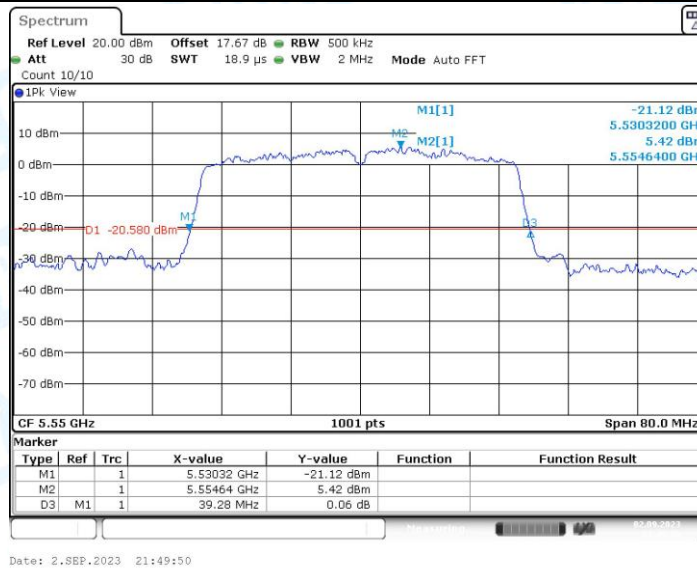
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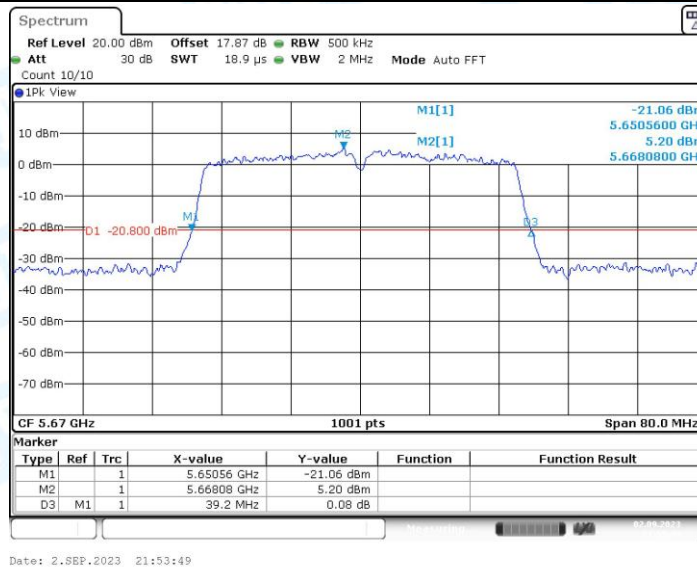
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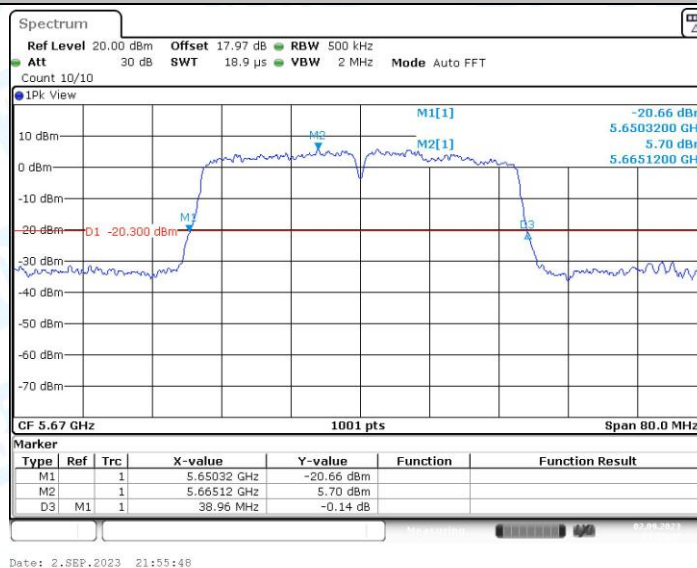
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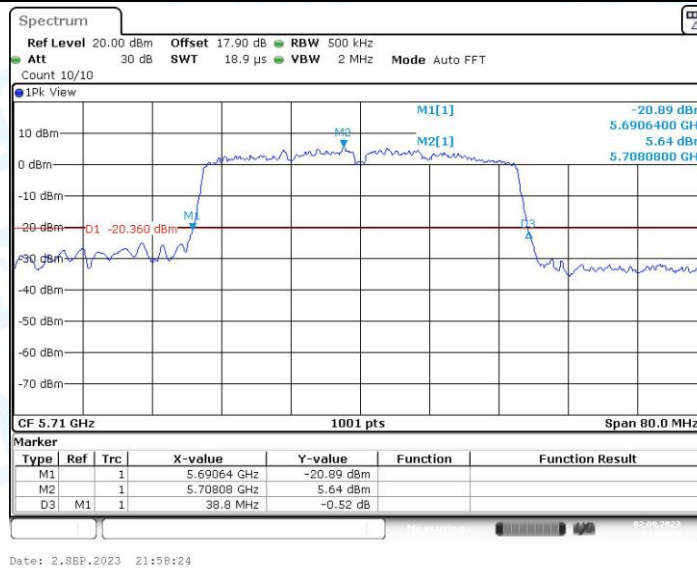
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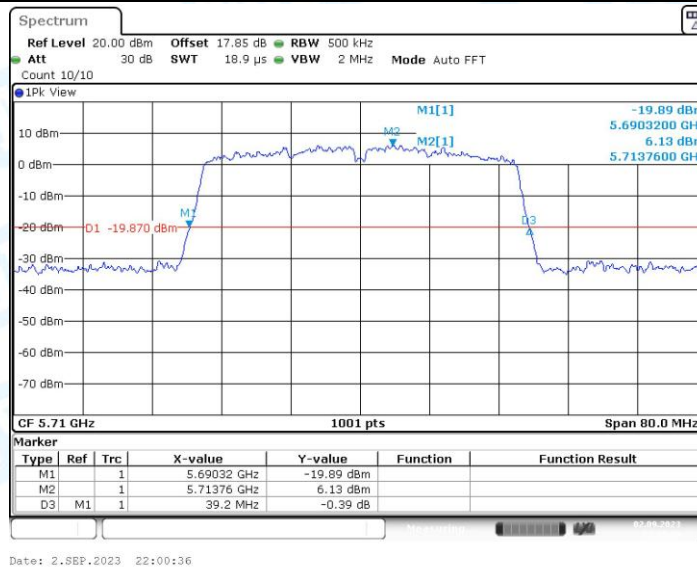
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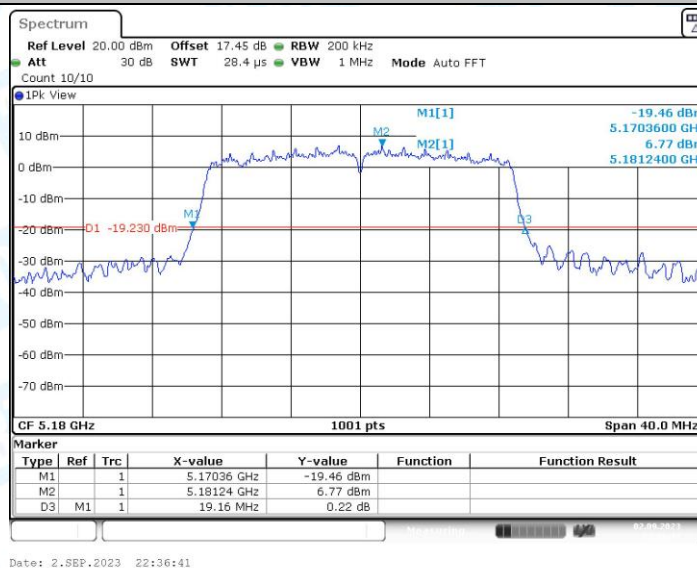
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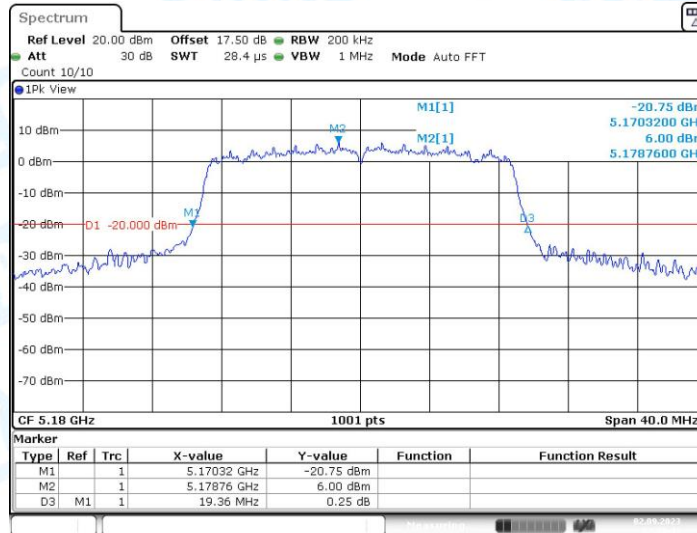
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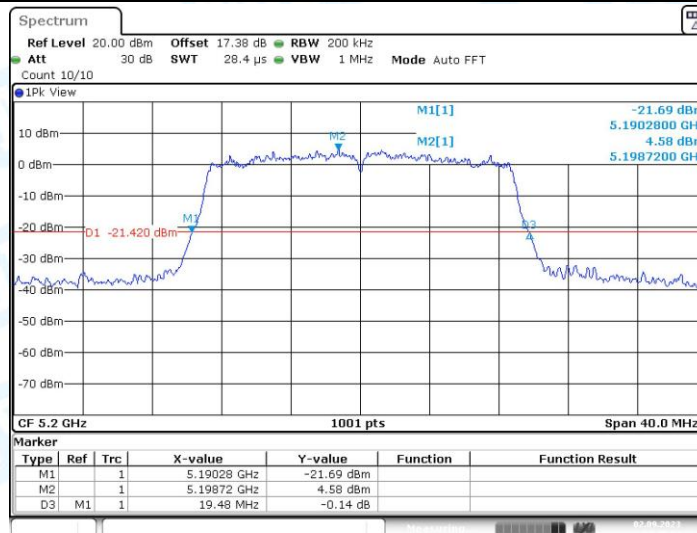


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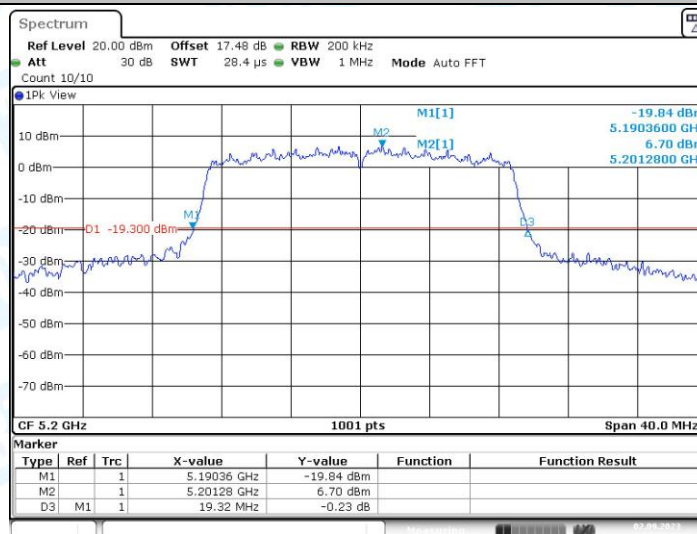
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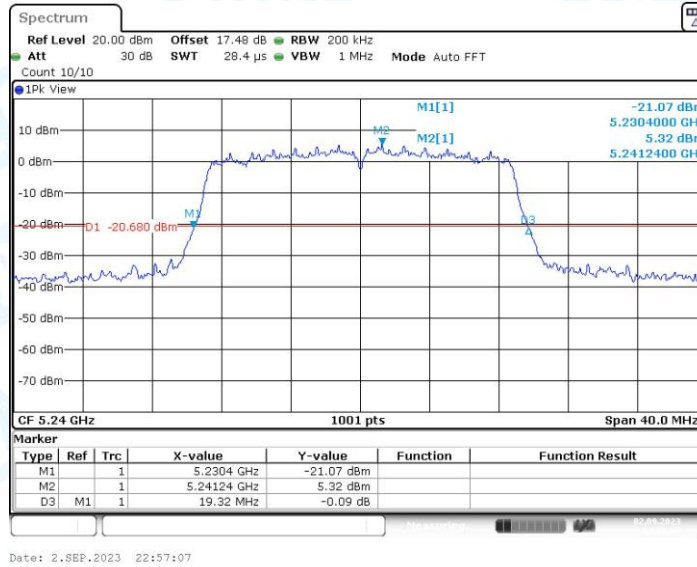
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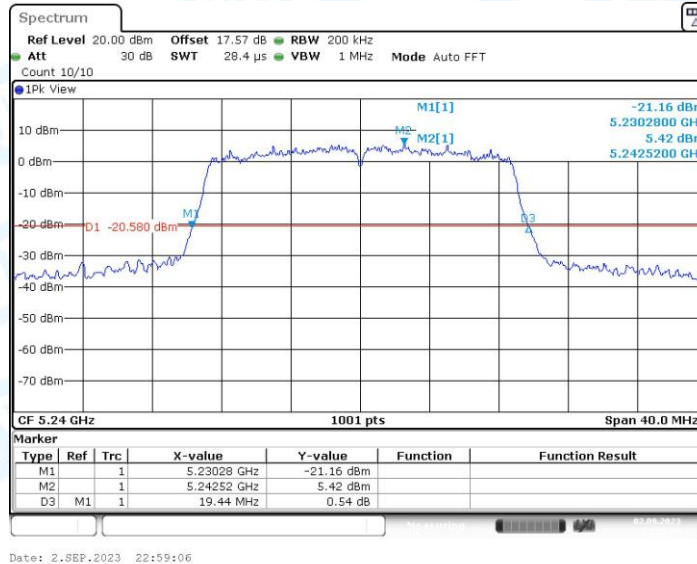


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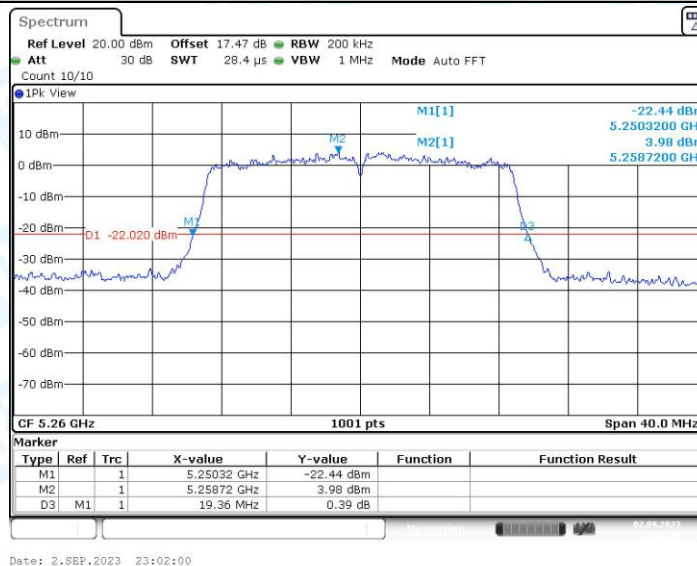
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11AC20MIMO_Ant2_5240



11AC20MIMO_Ant1_5260



11AC20MIMO_Ant2_5260