

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

General Description of EUT	
EUT Name:	IEEE 802.11ax/ac/a/b/g/n 2x2 WiFi 6E with Bluetooth5.3 Combo Module
Model:	WNFS-267AXI(BT)
Sample ID:	HC-C-202503-0098-01-01-2#
Test Standard:	FCC Part 15.407
Environmental Conditions	
Ambient Temperature:	25°C
Ambient Humidity:	45%RH
Test Power Supply:	DC 3.3V
Test Engineer:	Rick.chen
Note: For a more detailed features description, please refer to the report TBR-C-202503-0098-133	

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1: Emission Bandwidth

1.1 Test Result

Test Mode	Antenna	Frequency[MHz]	26dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5180	20.80	5169.40	5190.20	---	---
11A-CDD	Ant2	5180	20.44	5169.84	5190.28	---	---
11A-CDD	Ant1	5200	20.28	5190.08	5210.36	---	---
11A-CDD	Ant2	5200	20.88	5189.64	5210.52	---	---
11A-CDD	Ant1	5240	21.16	5229.40	5250.56	---	---
11A-CDD	Ant2	5240	21.04	5229.52	5250.56	---	---
11A-CDD	Ant1	5260	21.04	5249.48	5270.52	---	---
11A-CDD	Ant2	5260	24.00	5247.04	5271.04	---	---
11A-CDD	Ant1	5280	21.04	5269.40	5290.44	---	---
11A-CDD	Ant2	5280	21.12	5269.32	5290.44	---	---
11A-CDD	Ant1	5320	20.68	5309.56	5330.24	---	---
11A-CDD	Ant2	5320	20.96	5309.56	5330.52	---	---
11A-CDD	Ant1	5500	21.60	5489.00	5510.60	---	---
11A-CDD	Ant2	5500	20.84	5489.40	5510.24	---	---
11A-CDD	Ant1	5580	20.56	5569.52	5590.08	---	---
11A-CDD	Ant2	5580	21.00	5569.56	5590.56	---	---
11A-CDD	Ant1	5720	20.92	5709.44	5730.36	---	---
11A-CDD	Ant2	5720	20.76	5709.52	5730.28	---	---
11A-CDD	Ant1	5720_UNII-2C	15.56	5709.44	5725	---	---
11A-CDD	Ant2	5720_UNII-2C	15.48	5709.52	5725	---	---
11A-CDD	Ant1	5720_UNII-3	5.36	5725	5730.36	---	---
11A-CDD	Ant2	5720_UNII-3	5.28	5725	5730.28	---	---
11N20MIMO	Ant1	5180	21.08	5169.40	5190.48	---	---
11N20MIMO	Ant2	5180	21.04	5169.56	5190.60	---	---
11N20MIMO	Ant1	5200	21.40	5189.12	5210.52	---	---
11N20MIMO	Ant2	5200	21.44	5189.36	5210.80	---	---
11N20MIMO	Ant1	5240	21.04	5229.40	5250.44	---	---
11N20MIMO	Ant2	5240	21.12	5229.28	5250.40	---	---
11N20MIMO	Ant1	5260	21.20	5249.36	5270.56	---	---
11N20MIMO	Ant2	5260	21.12	5249.32	5270.44	---	---
11N20MIMO	Ant1	5280	21.32	5269.36	5290.68	---	---
11N20MIMO	Ant2	5280	21.56	5269.00	5290.56	---	---
11N20MIMO	Ant1	5320	21.48	5309.24	5330.72	---	---
11N20MIMO	Ant2	5320	21.40	5309.16	5330.56	---	---
11N20MIMO	Ant1	5500	21.64	5489.08	5510.72	---	---
11N20MIMO	Ant2	5500	21.20	5489.44	5510.64	---	---
11N20MIMO	Ant1	5580	21.28	5569.44	5590.72	---	---
11N20MIMO	Ant2	5580	21.36	5569.28	5590.64	---	---
11N20MIMO	Ant1	5720	21.12	5709.28	5730.40	---	---
11N20MIMO	Ant2	5720	20.92	5709.68	5730.60	---	---
11N20MIMO	Ant1	5720_UNII-2C	15.72	5709.28	5725	---	---

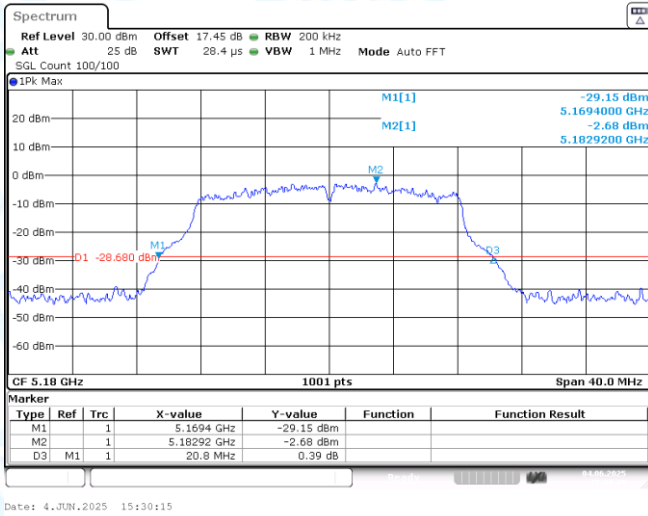
11N20MIMO	Ant2	5720_UNII-2C	15.32	5709.68	5725	---	---
11N20MIMO	Ant1	5720_UNII-3	5.4	5725	5730.40	---	---
11N20MIMO	Ant2	5720_UNII-3	5.6	5725	5730.60	---	---
11N40MIMO	Ant1	5190	39.68	5170.32	5210.00	---	---
11N40MIMO	Ant2	5190	39.20	5170.56	5209.76	---	---
11N40MIMO	Ant1	5230	39.36	5210.32	5249.68	---	---
11N40MIMO	Ant2	5230	39.36	5210.24	5249.60	---	---
11N40MIMO	Ant1	5270	39.84	5250.00	5289.84	---	---
11N40MIMO	Ant2	5270	43.52	5246.64	5290.16	---	---
11N40MIMO	Ant1	5310	39.76	5289.84	5329.60	---	---
11N40MIMO	Ant2	5310	38.96	5290.40	5329.36	---	---
11N40MIMO	Ant1	5510	39.68	5490.16	5529.84	---	---
11N40MIMO	Ant2	5510	39.60	5490.08	5529.68	---	---
11N40MIMO	Ant1	5550	39.60	5530.24	5569.84	---	---
11N40MIMO	Ant2	5550	39.52	5530.16	5569.68	---	---
11N40MIMO	Ant1	5710	39.68	5690.24	5729.92	---	---
11N40MIMO	Ant2	5710	39.04	5690.56	5729.60	---	---
11N40MIMO	Ant1	5710_UNII-2C	34.76	5690.24	5725	---	---
11N40MIMO	Ant2	5710_UNII-2C	34.44	5690.56	5725	---	---
11N40MIMO	Ant1	5710_UNII-3	4.92	5725	5729.92	---	---
11N40MIMO	Ant2	5710_UNII-3	4.6	5725	5729.60	---	---
11AC20MIMO	Ant1	5180	21.20	5169.52	5190.72	---	---
11AC20MIMO	Ant2	5180	21.24	5169.24	5190.48	---	---
11AC20MIMO	Ant1	5200	21.12	5189.36	5210.48	---	---
11AC20MIMO	Ant2	5200	21.04	5189.44	5210.48	---	---
11AC20MIMO	Ant1	5240	21.16	5229.40	5250.56	---	---
11AC20MIMO	Ant2	5240	21.08	5229.52	5250.60	---	---
11AC20MIMO	Ant1	5260	21.12	5249.40	5270.52	---	---
11AC20MIMO	Ant2	5260	20.80	5249.64	5270.44	---	---
11AC20MIMO	Ant1	5280	21.48	5269.28	5290.76	---	---
11AC20MIMO	Ant2	5280	20.96	5269.44	5290.40	---	---
11AC20MIMO	Ant1	5320	21.44	5309.28	5330.72	---	---
11AC20MIMO	Ant2	5320	21.12	5309.44	5330.56	---	---
11AC20MIMO	Ant1	5500	21.20	5489.52	5510.72	---	---
11AC20MIMO	Ant2	5500	20.92	5489.60	5510.52	---	---
11AC20MIMO	Ant1	5580	20.88	5569.56	5590.44	---	---
11AC20MIMO	Ant2	5580	20.96	5569.60	5590.56	---	---
11AC20MIMO	Ant1	5720	21.12	5709.36	5730.48	---	---
11AC20MIMO	Ant2	5720	20.96	5709.52	5730.48	---	---
11AC20MIMO	Ant1	5720_UNII-2C	15.64	5709.36	5725	---	---
11AC20MIMO	Ant2	5720_UNII-2C	15.48	5709.52	5725	---	---
11AC20MIMO	Ant1	5720_UNII-3	5.48	5725	5730.48	---	---
11AC20MIMO	Ant2	5720_UNII-3	5.48	5725	5730.48	---	---
11AC40MIMO	Ant1	5190	39.44	5170.24	5209.68	---	---
11AC40MIMO	Ant2	5190	39.12	5170.48	5209.60	---	---

11AC40MIMO	Ant1	5230	39.44	5210.24	5249.68	---	---
11AC40MIMO	Ant2	5230	39.84	5209.76	5249.60	---	---
11AC40MIMO	Ant1	5270	39.04	5250.40	5289.44	---	---
11AC40MIMO	Ant2	5270	39.44	5250.24	5289.68	---	---
11AC40MIMO	Ant1	5310	39.28	5290.16	5329.44	---	---
11AC40MIMO	Ant2	5310	38.96	5290.48	5329.44	---	---
11AC40MIMO	Ant1	5510	39.12	5490.56	5529.68	---	---
11AC40MIMO	Ant2	5510	39.20	5490.32	5529.52	---	---
11AC40MIMO	Ant1	5550	39.68	5530.00	5569.68	---	---
11AC40MIMO	Ant2	5550	38.64	5530.56	5569.20	---	---
11AC40MIMO	Ant1	5710	39.44	5690.08	5729.52	---	---
11AC40MIMO	Ant2	5710	39.36	5690.32	5729.68	---	---
11AC40MIMO	Ant1	5710_UNII-2C	34.92	5690.08	5725	---	---
11AC40MIMO	Ant2	5710_UNII-2C	34.68	5690.32	5725	---	---
11AC40MIMO	Ant1	5710_UNII-3	4.52	5725	5729.52	---	---
11AC40MIMO	Ant2	5710_UNII-3	4.68	5725	5729.68	---	---
11AC80MIMO	Ant1	5210	79.84	5170.16	5250.00	---	---
11AC80MIMO	Ant2	5210	81.12	5169.68	5250.80	---	---
11AC80MIMO	Ant1	5290	80.48	5249.84	5330.32	---	---
11AC80MIMO	Ant2	5290	79.52	5250.32	5329.84	---	---
11AC80MIMO	Ant1	5530	80.48	5489.68	5570.16	---	---
11AC80MIMO	Ant2	5530	79.84	5490.16	5570.00	---	---
11AC80MIMO	Ant1	5690	81.44	5649.52	5730.96	---	---
11AC80MIMO	Ant2	5690	79.84	5650.16	5730.00	---	---
11AC80MIMO	Ant1	5690_UNII-2C	75.48	5649.52	5725	---	---
11AC80MIMO	Ant2	5690_UNII-2C	74.84	5650.16	5725	---	---
11AC80MIMO	Ant1	5690_UNII-3	5.96	5725	5730.96	---	---
11AC80MIMO	Ant2	5690_UNII-3	5	5725	5730.00	---	---
11AX20MIMO	Ant1	5180	20.92	5169.52	5190.44	---	---
11AX20MIMO	Ant2	5180	21.28	5169.20	5190.48	---	---
11AX20MIMO	Ant1	5200	21.04	5189.56	5210.60	---	---
11AX20MIMO	Ant2	5200	21.08	5189.48	5210.56	---	---
11AX20MIMO	Ant1	5240	20.92	5229.48	5250.40	---	---
11AX20MIMO	Ant2	5240	20.76	5229.68	5250.44	---	---
11AX20MIMO	Ant1	5260	21.12	5249.44	5270.56	---	---
11AX20MIMO	Ant2	5260	20.96	5249.48	5270.44	---	---
11AX20MIMO	Ant1	5280	20.92	5269.44	5290.36	---	---
11AX20MIMO	Ant2	5280	20.68	5269.52	5290.20	---	---
11AX20MIMO	Ant1	5320	21.32	5309.32	5330.64	---	---
11AX20MIMO	Ant2	5320	20.40	5309.52	5329.92	---	---
11AX20MIMO	Ant1	5500	21.20	5489.44	5510.64	---	---
11AX20MIMO	Ant2	5500	20.72	5489.60	5510.32	---	---
11AX20MIMO	Ant1	5580	21.32	5569.24	5590.56	---	---
11AX20MIMO	Ant2	5580	20.80	5569.60	5590.40	---	---
11AX20MIMO	Ant1	5720	21.32	5709.44	5730.76	---	---

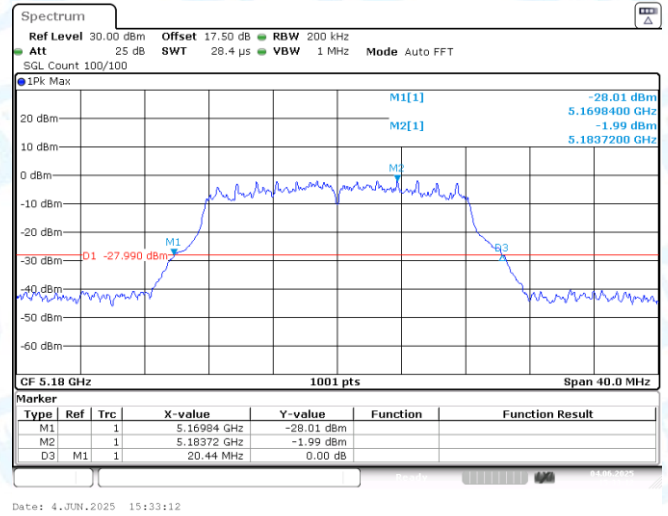
11AX20MIMO	Ant2	5720	20.80	5709.68	5730.48	---	---
11AX20MIMO	Ant1	5720_UNII-2C	15.56	5709.44	5725	---	---
11AX20MIMO	Ant2	5720_UNII-2C	15.32	5709.68	5725	---	---
11AX20MIMO	Ant1	5720_UNII-3	5.76	5725	5730.76	---	---
11AX20MIMO	Ant2	5720_UNII-3	5.48	5725	5730.48	---	---
11AX40MIMO	Ant1	5190	39.60	5170.08	5209.68	---	---
11AX40MIMO	Ant2	5190	39.68	5170.08	5209.76	---	---
11AX40MIMO	Ant1	5230	39.92	5209.92	5249.84	---	---
11AX40MIMO	Ant2	5230	39.60	5210.24	5249.84	---	---
11AX40MIMO	Ant1	5270	40.16	5249.84	5290.00	---	---
11AX40MIMO	Ant2	5270	40.24	5249.76	5290.00	---	---
11AX40MIMO	Ant1	5310	40.08	5289.92	5330.00	---	---
11AX40MIMO	Ant2	5310	39.92	5290.32	5330.24	---	---
11AX40MIMO	Ant1	5510	40.32	5489.68	5530.00	---	---
11AX40MIMO	Ant2	5510	39.92	5490.08	5530.00	---	---
11AX40MIMO	Ant1	5550	39.68	5530.16	5569.84	---	---
11AX40MIMO	Ant2	5550	40.08	5530.00	5570.08	---	---
11AX40MIMO	Ant1	5710	40.16	5689.76	5729.92	---	---
11AX40MIMO	Ant2	5710	39.36	5690.32	5729.68	---	---
11AX40MIMO	Ant1	5710_UNII-2C	35.24	5689.76	5725	---	---
11AX40MIMO	Ant2	5710_UNII-2C	34.68	5690.32	5725	---	---
11AX40MIMO	Ant1	5710_UNII-3	4.92	5725	5729.92	---	---
11AX40MIMO	Ant2	5710_UNII-3	4.68	5725	5729.68	---	---
11AX80MIMO	Ant1	5210	81.44	5169.84	5251.28	---	---
11AX80MIMO	Ant2	5210	80.32	5169.68	5250.00	---	---
11AX80MIMO	Ant1	5290	81.92	5249.52	5331.44	---	---
11AX80MIMO	Ant2	5290	80.80	5249.84	5330.64	---	---
11AX80MIMO	Ant1	5530	80.96	5489.20	5570.16	---	---
11AX80MIMO	Ant2	5530	80.48	5489.84	5570.32	---	---
11AX80MIMO	Ant1	5690	81.76	5649.68	5731.44	---	---
11AX80MIMO	Ant2	5690	80.48	5649.84	5730.32	---	---
11AX80MIMO	Ant1	5690_UNII-2C	75.32	5649.68	5725	---	---
11AX80MIMO	Ant2	5690_UNII-2C	75.16	5649.84	5725	---	---
11AX80MIMO	Ant1	5690_UNII-3	6.44	5725	5731.44	---	---
11AX80MIMO	Ant2	5690_UNII-3	5.32	5725	5730.32	---	---

Note: RF Conducted test Offset= cable loss+ Attenuator(10dB).

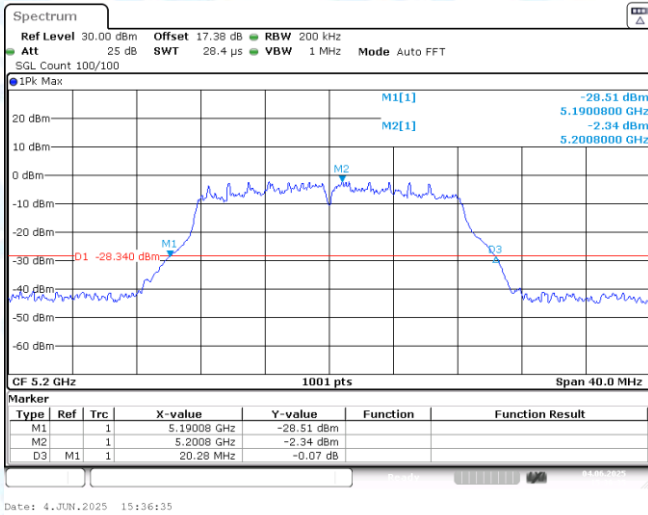
1.2 Test Graphs



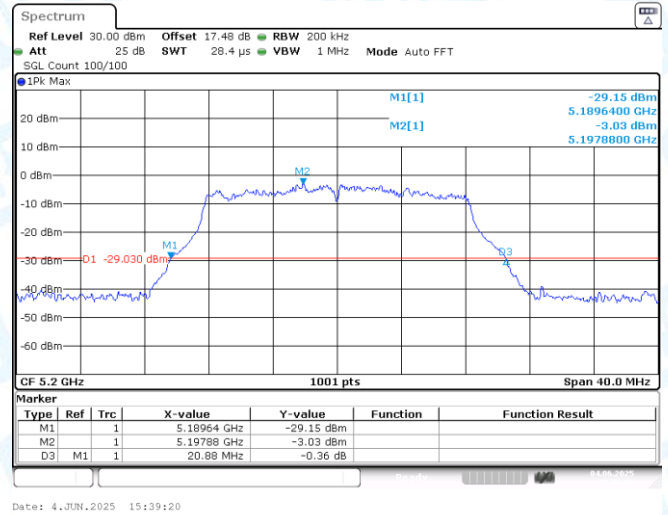
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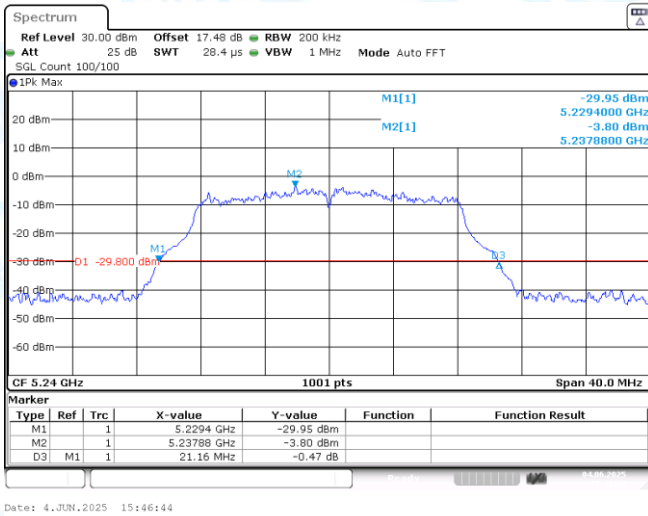
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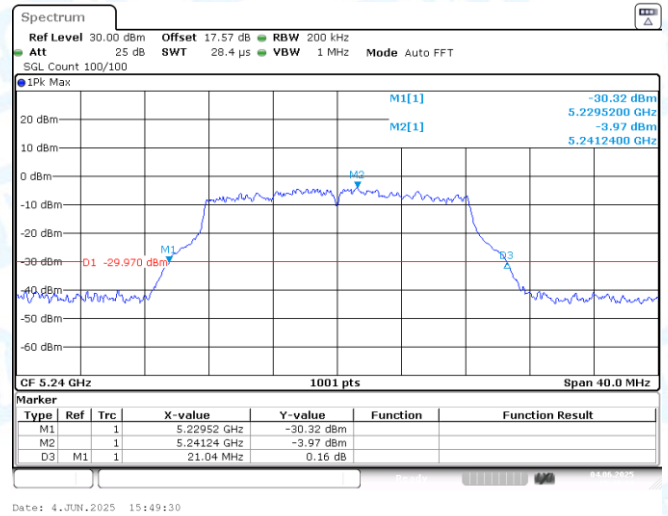
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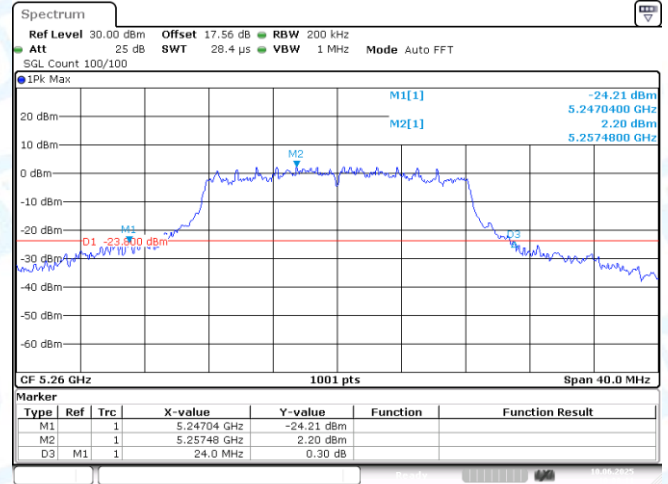
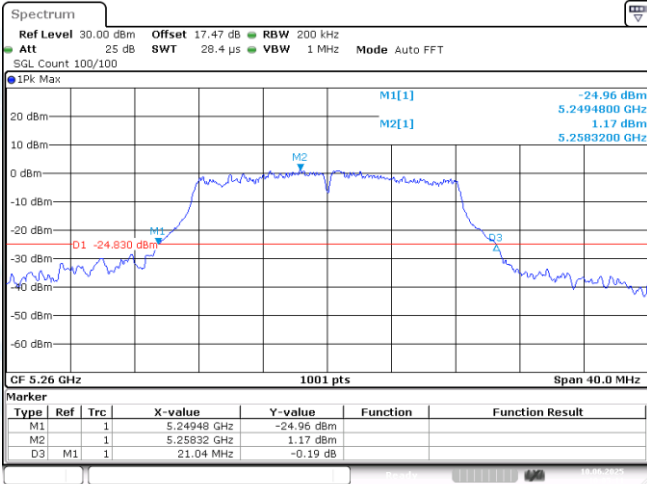
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11A-CDD-Ant1-5240

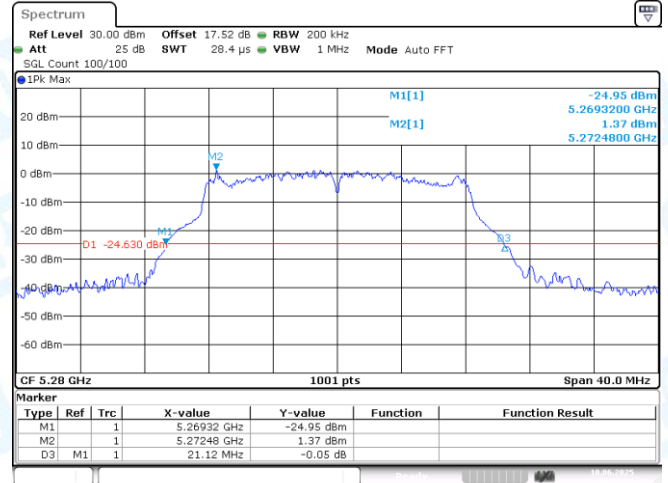
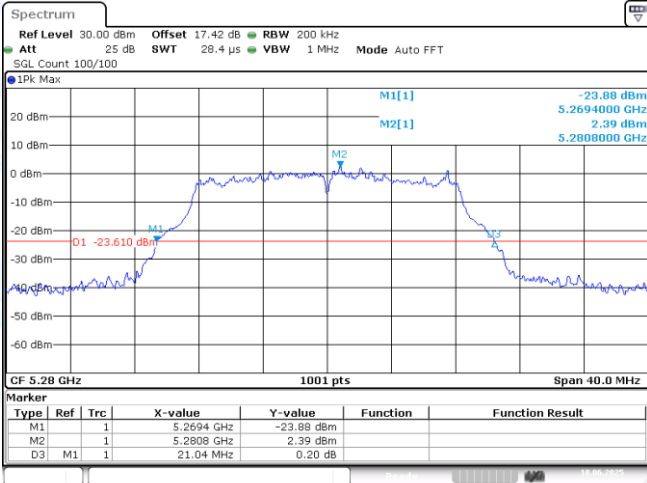


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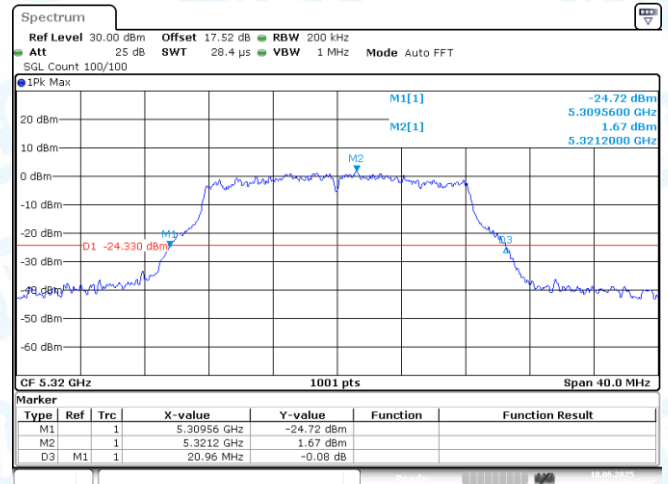
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11A-CDD-Ant2-5260



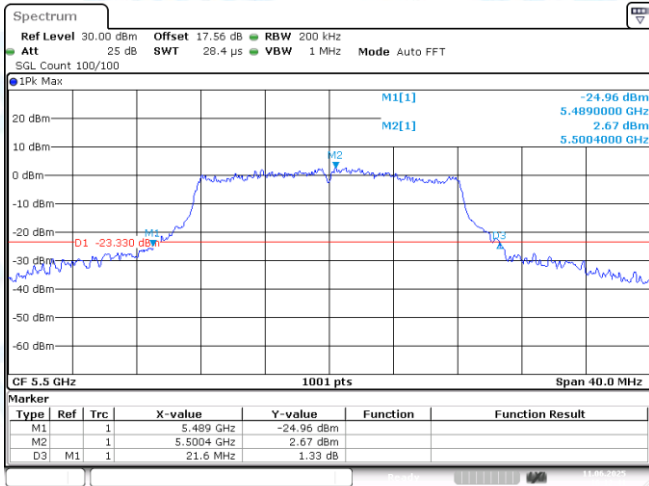
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11A-CDD-Ant2-5280



11A-CDD-Ant1-5320

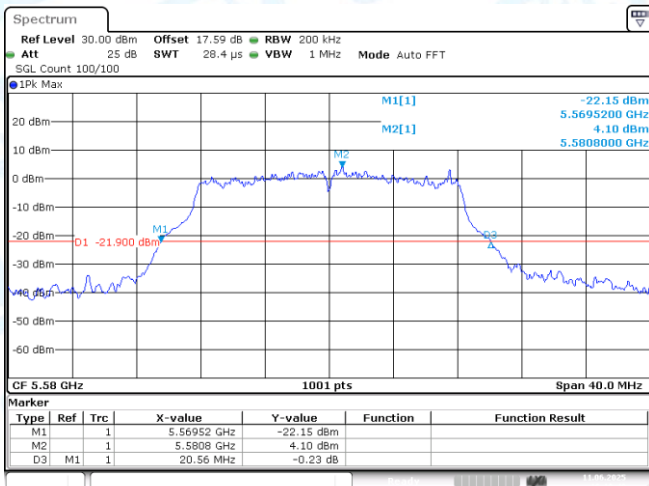
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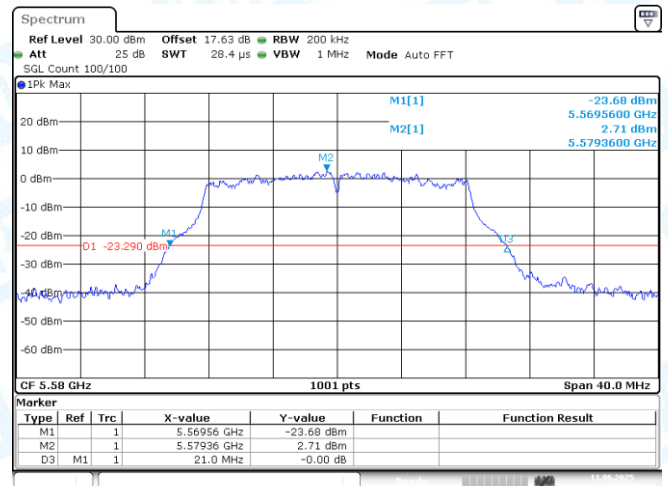
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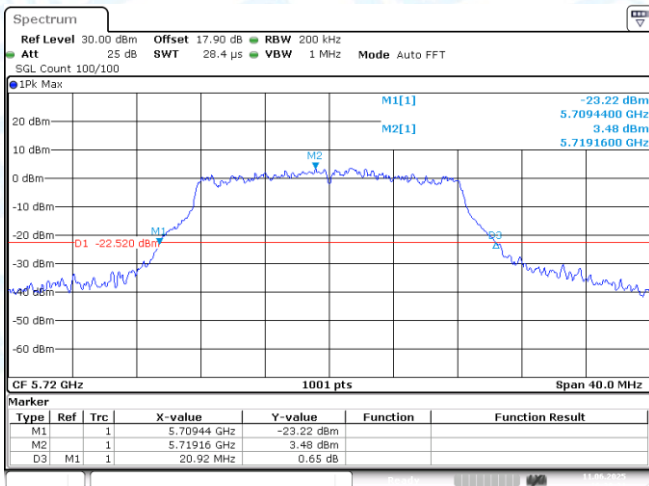
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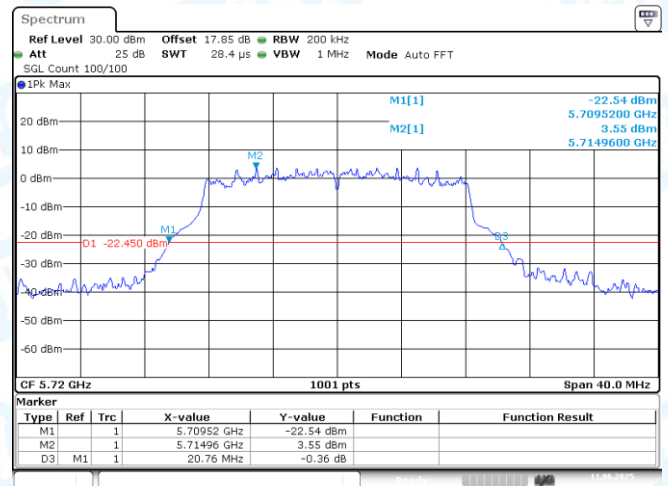
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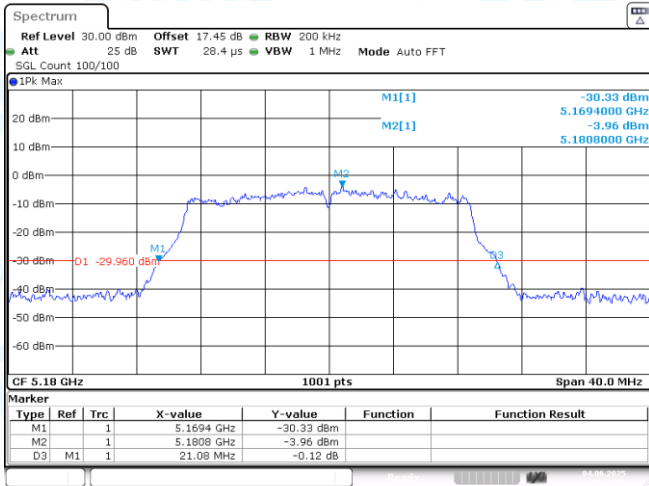
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11A-CDD-Ant1-5720

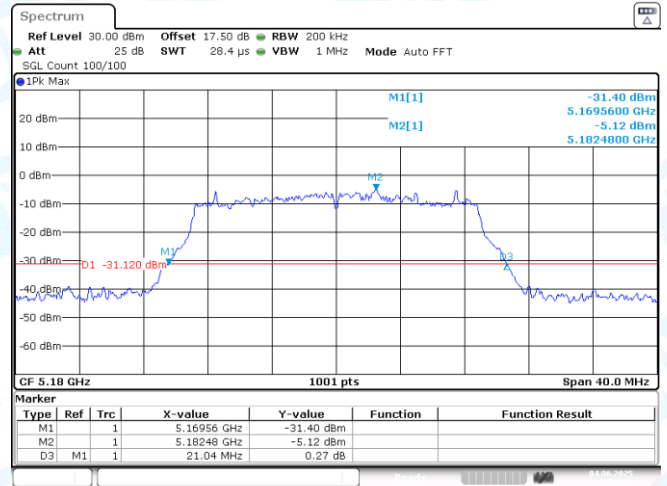


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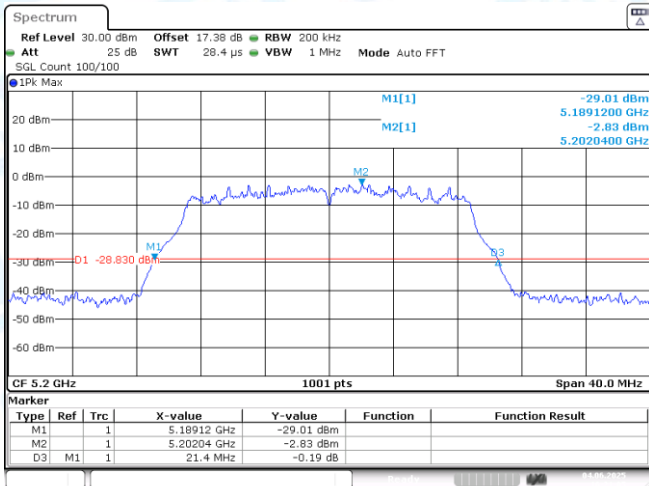
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11N20MIMO-Ant1-5180



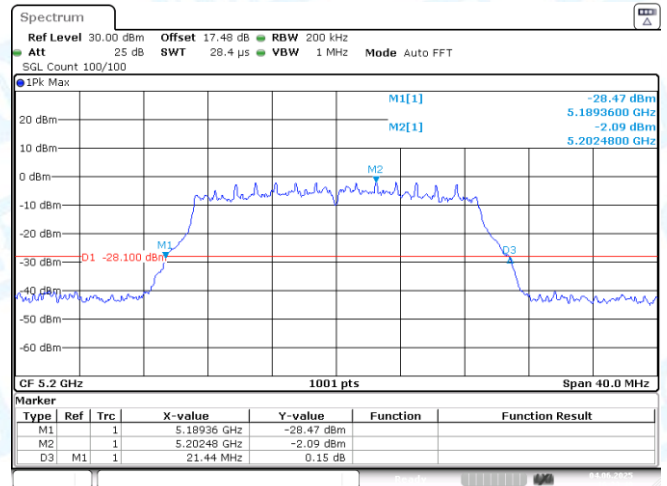
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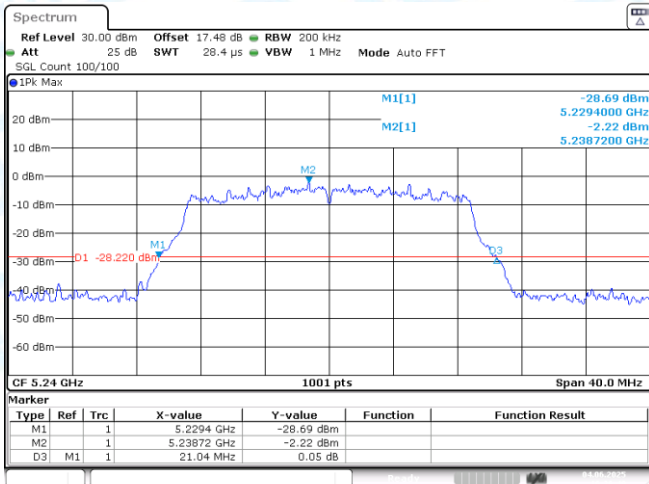
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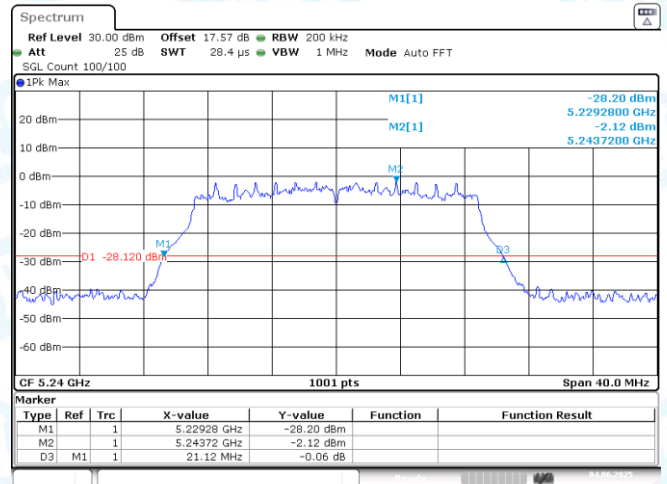
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11N20MIMO-Ant2-5200



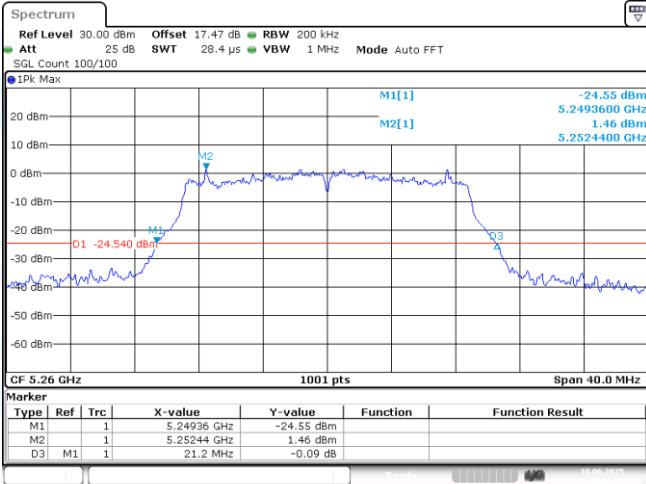
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11N20MIMO-Ant1-5240

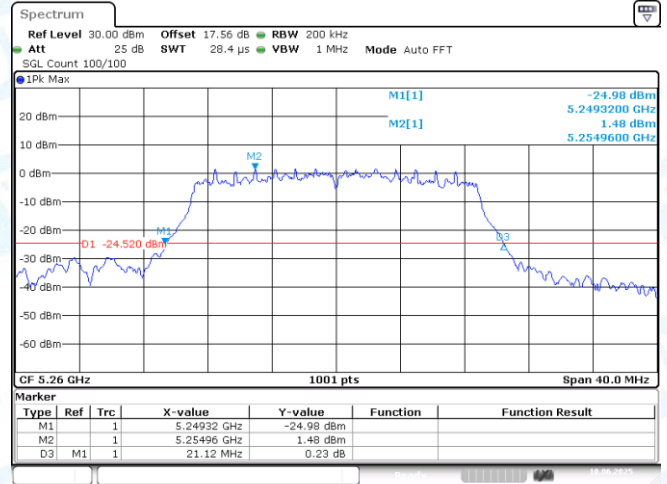


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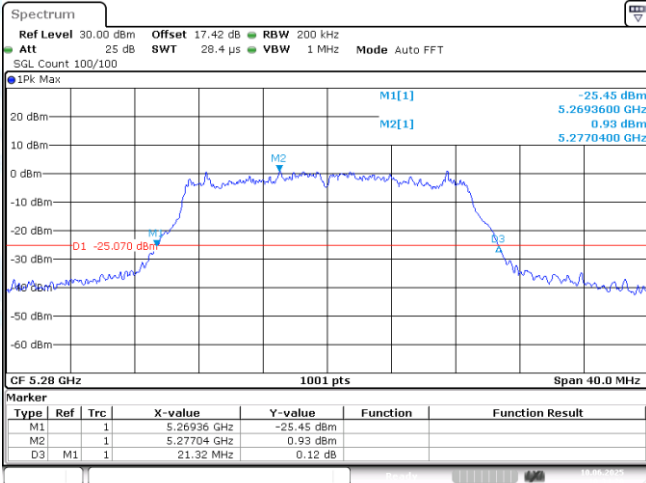
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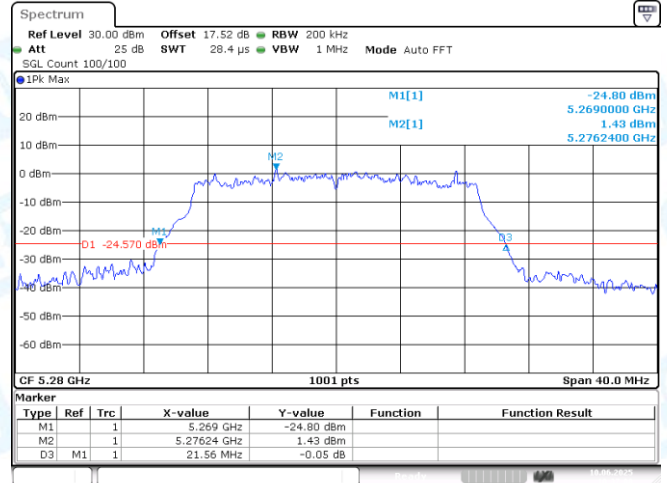
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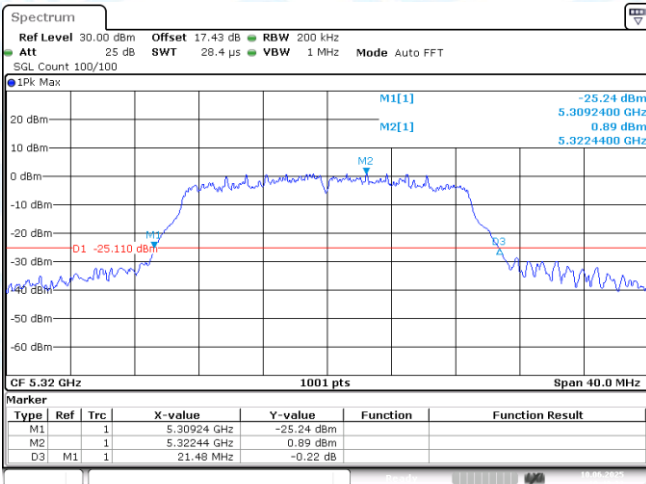
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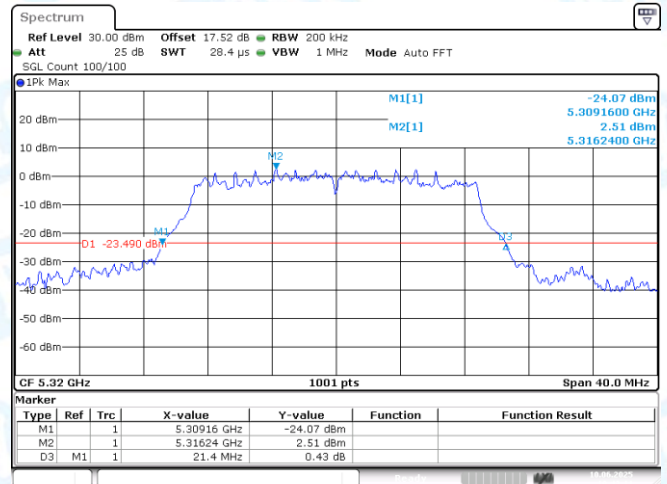
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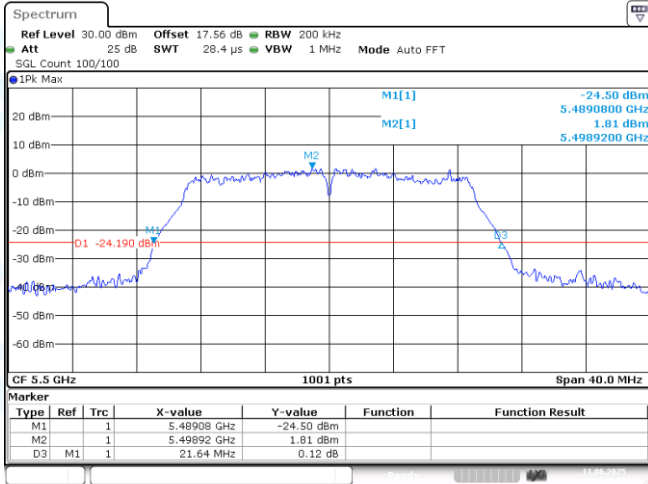
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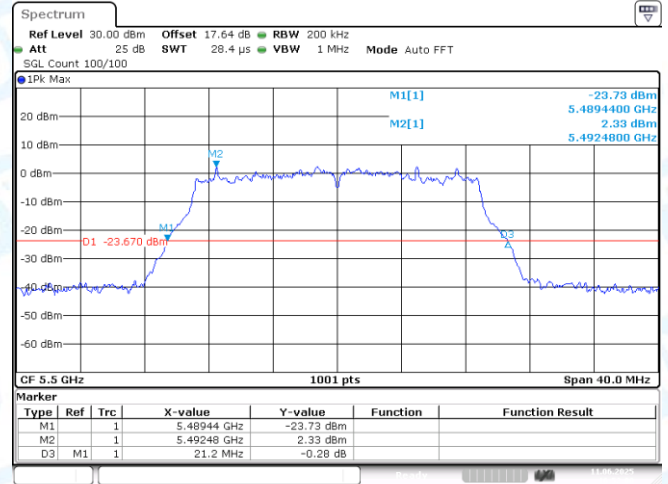
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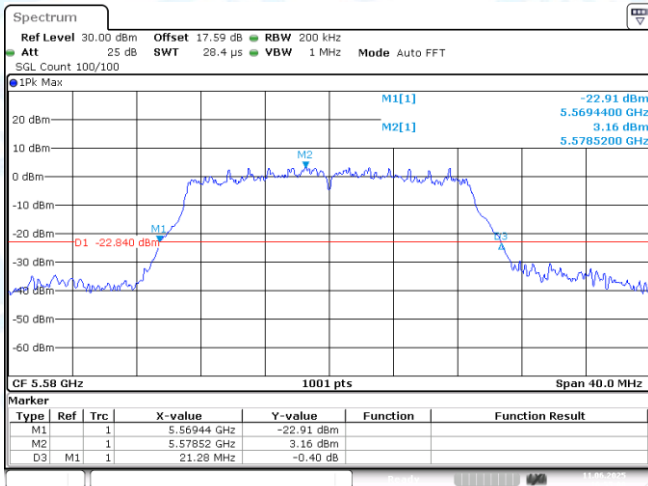
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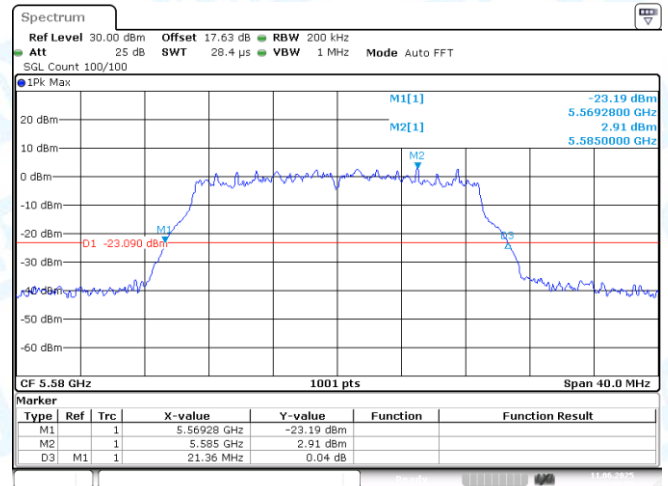
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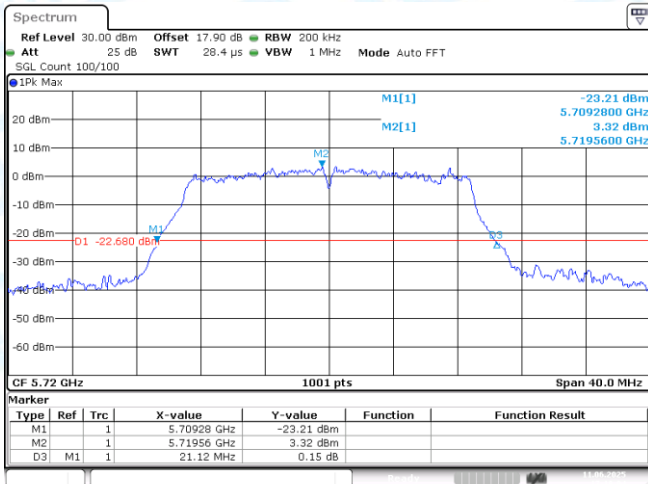
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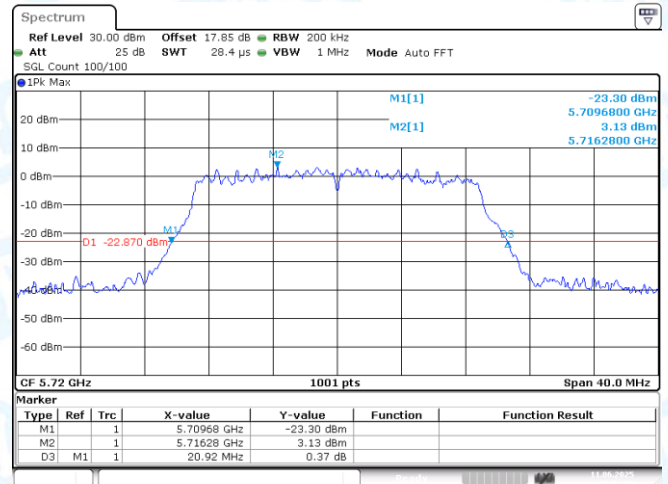
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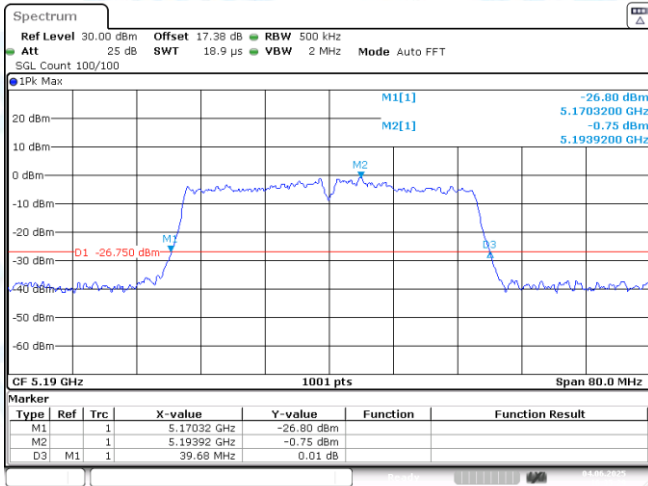
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11N20MIMO-Ant1-5720



11N20MIMO-Ant2-5720



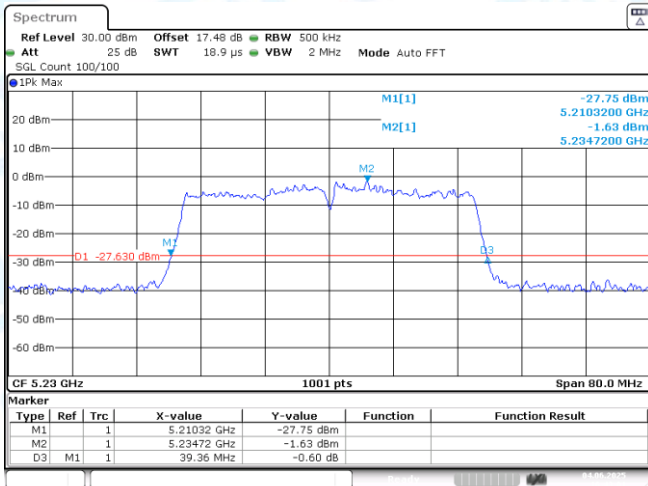
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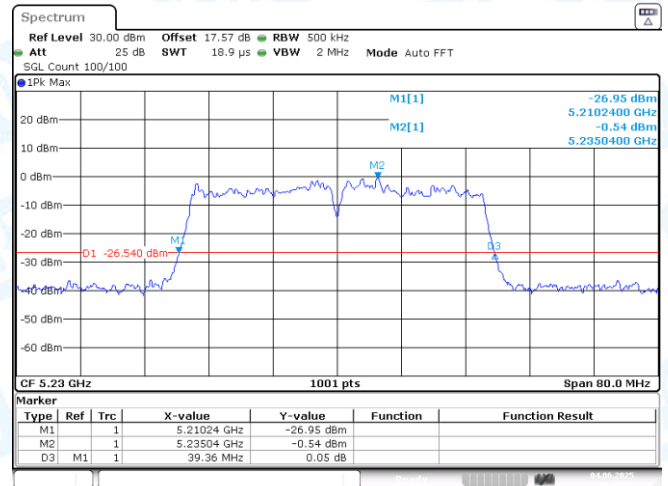
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11N40MIMO-Ant1-5190

11N40MIMO-Ant2-5190



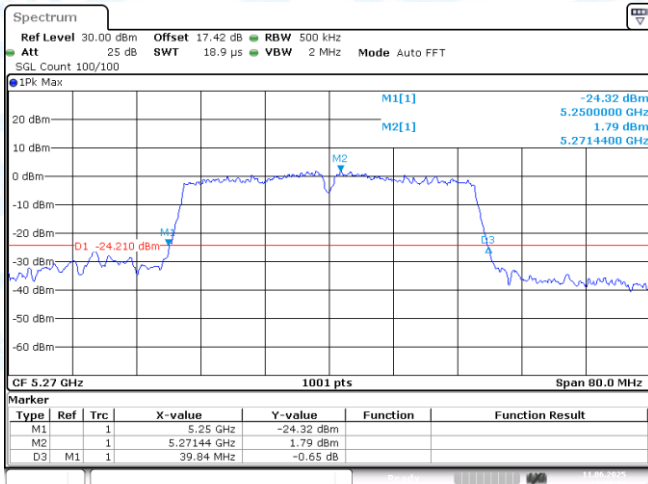
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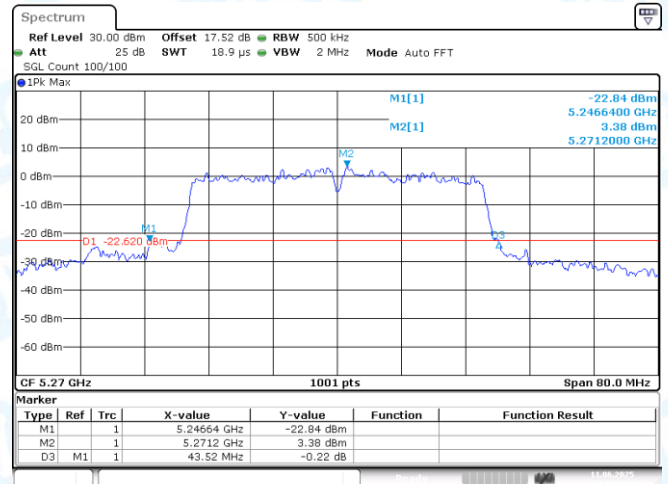
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11N40MIMO-Ant1-5230

11N40MIMO-Ant2-5230



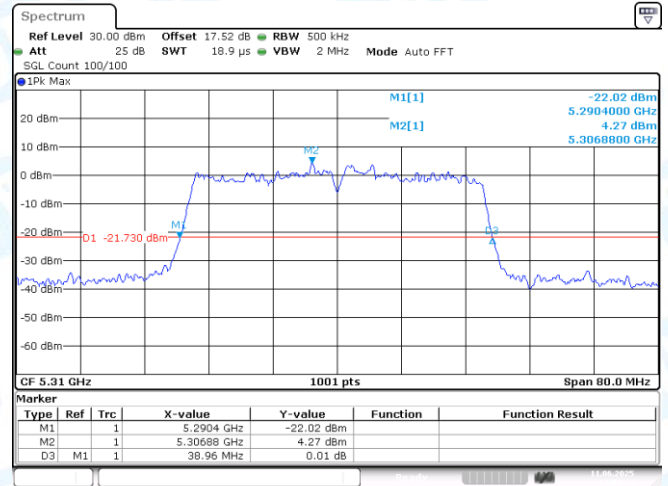
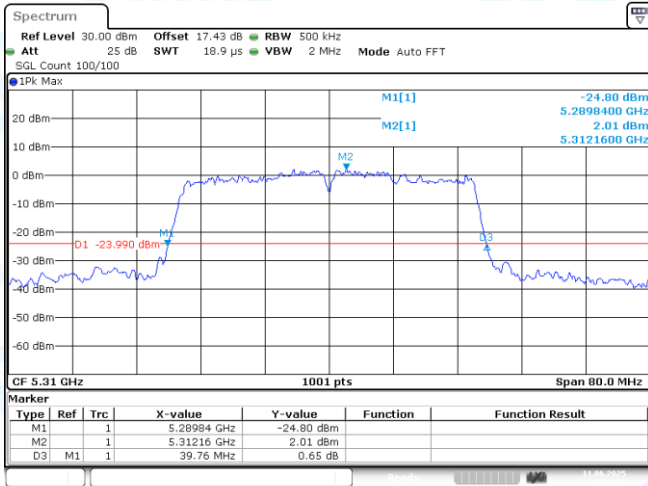
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Date: 11.JUN.2025 14:02:04

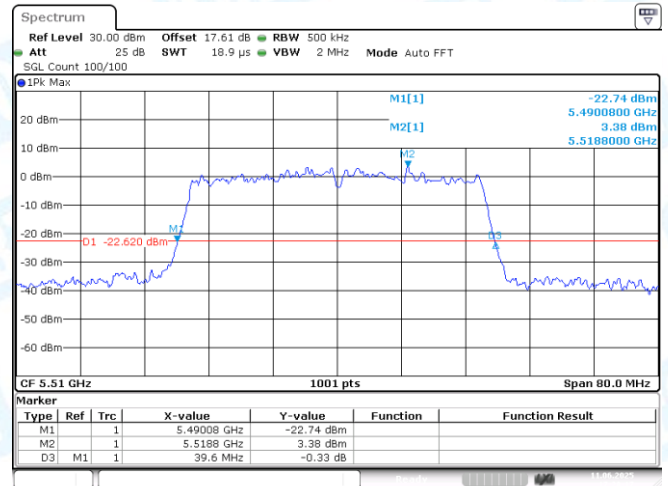
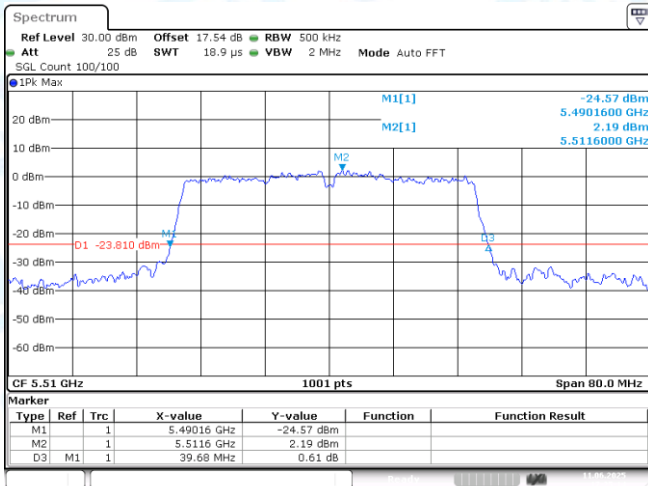
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11N40MIMO-Ant2-5270



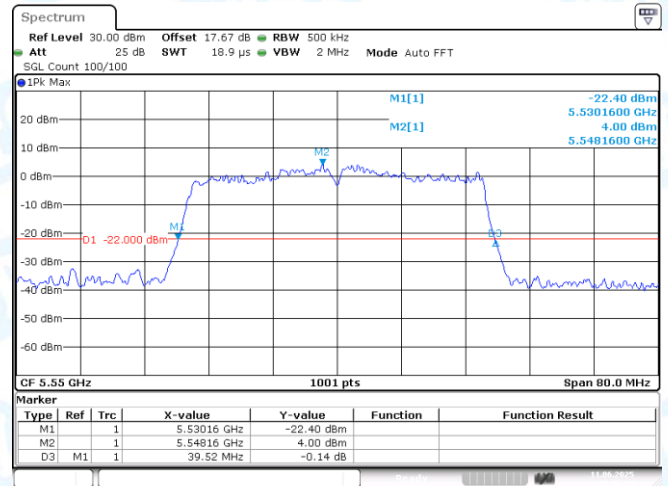
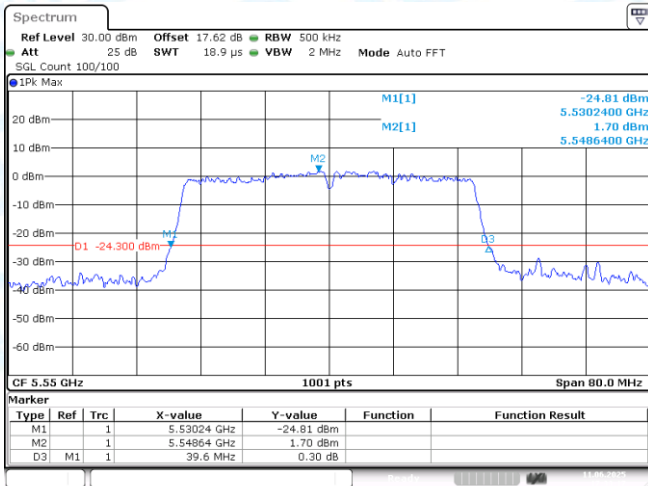
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11N40MIMO-Ant2-5310



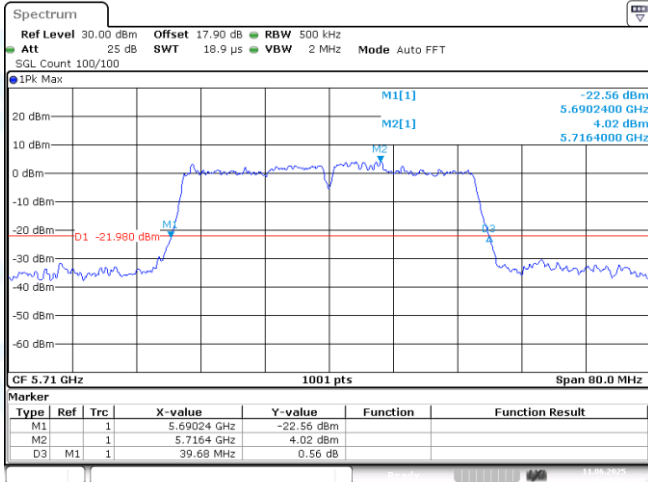
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11N40MIMO-Ant2-5510



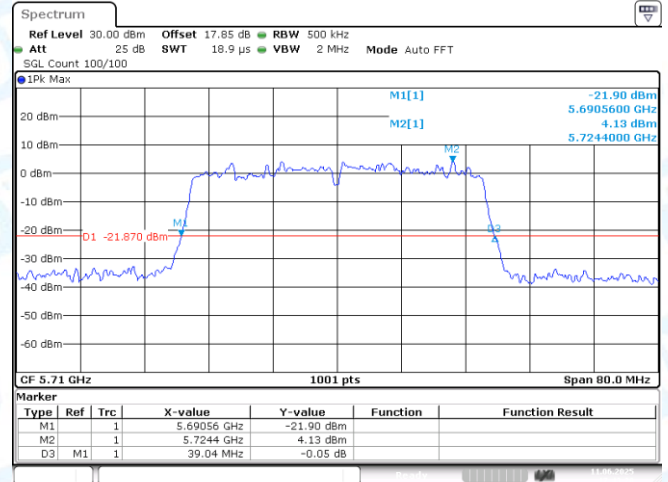
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11N40MIMO-Ant2-5550



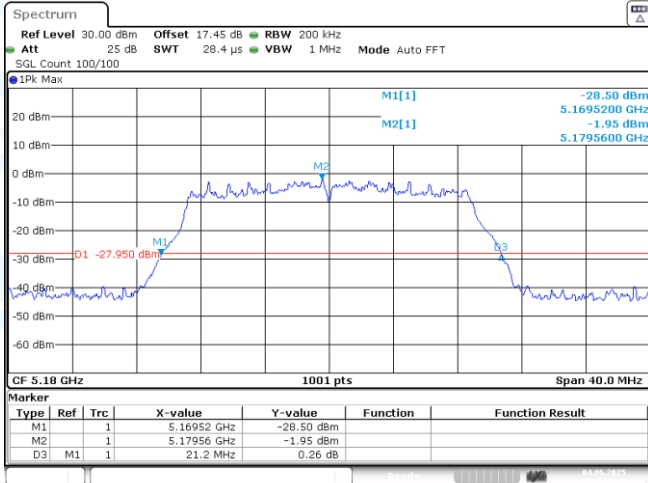
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11N40MIMO-Ant1-5710



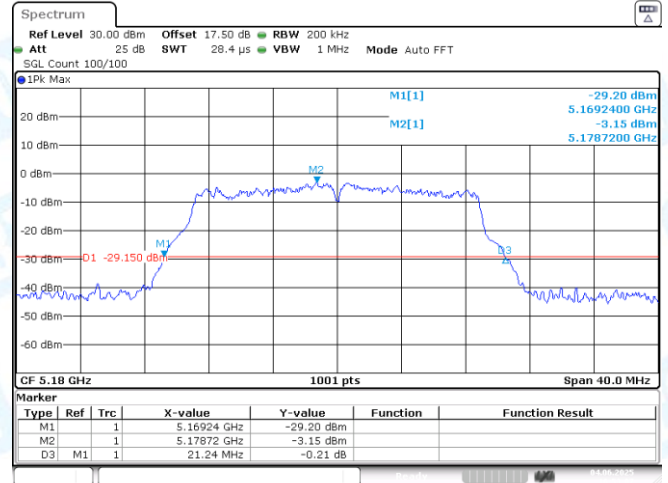
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11N40MIMO-Ant2-5710



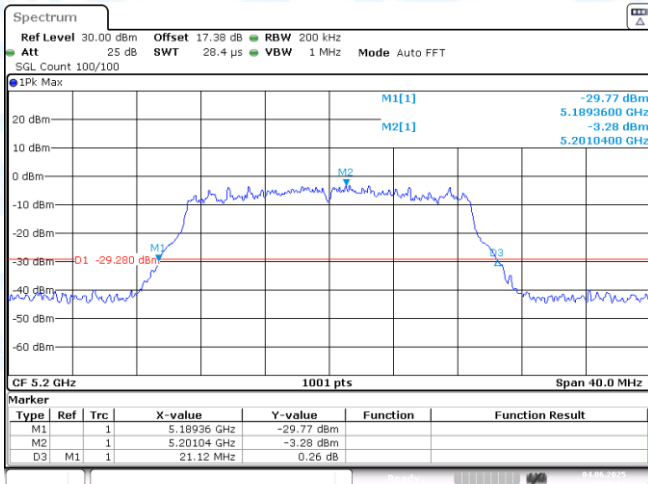
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11AC20MIMO-Ant1-5180



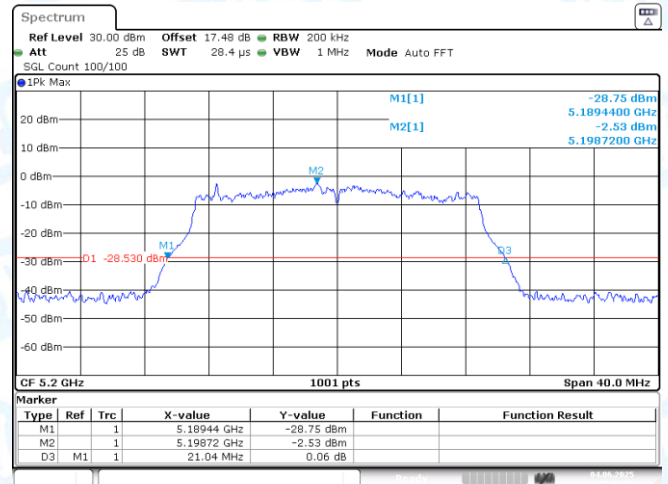
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11AC20MIMO-Ant2-5180



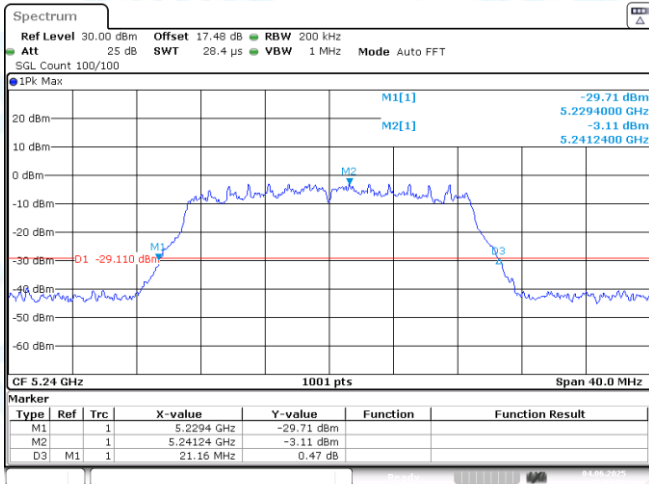
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11AC20MIMO-Ant1-5200



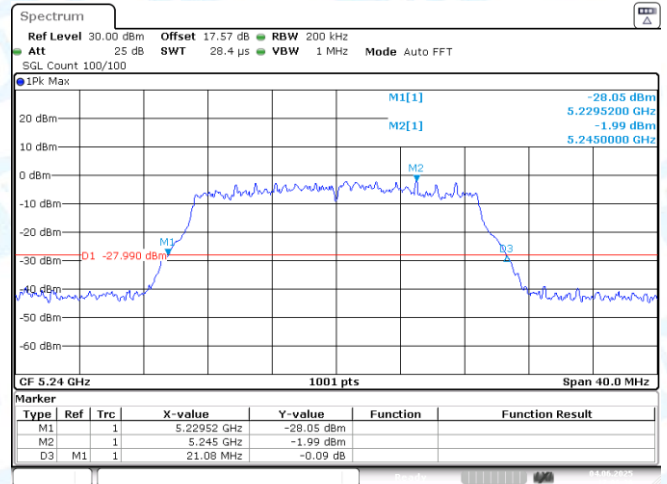
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11AC20MIMO-Ant2-5200



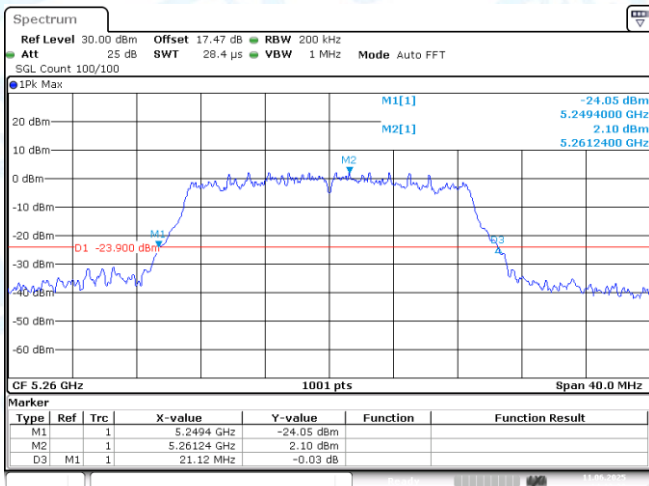
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11AC20MIMO-Ant1-5240



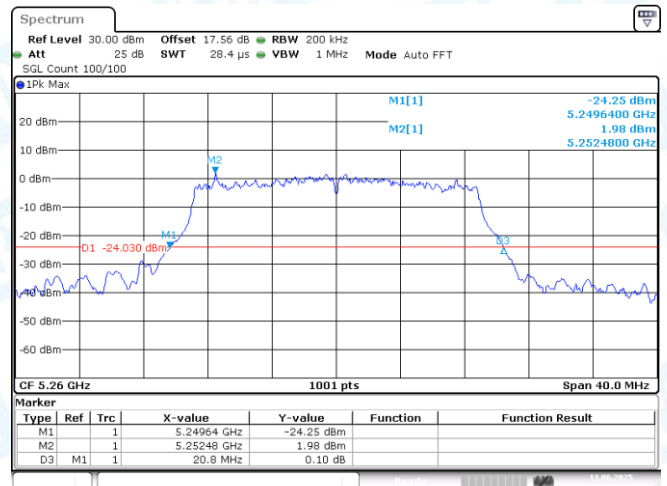
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11AC20MIMO-Ant2-5240



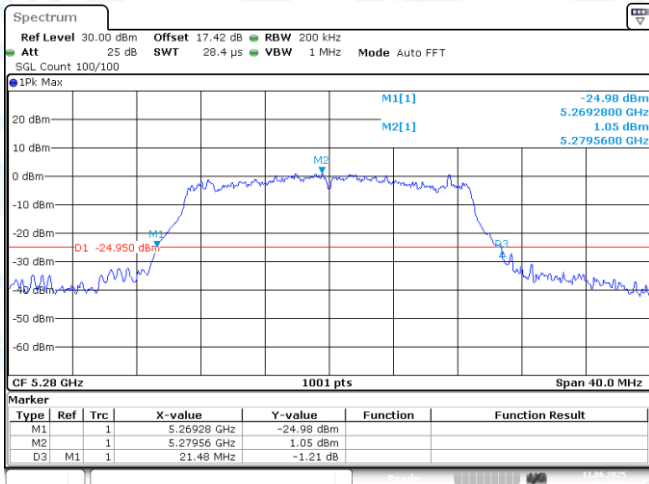
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11AC20MIMO-Ant1-5260



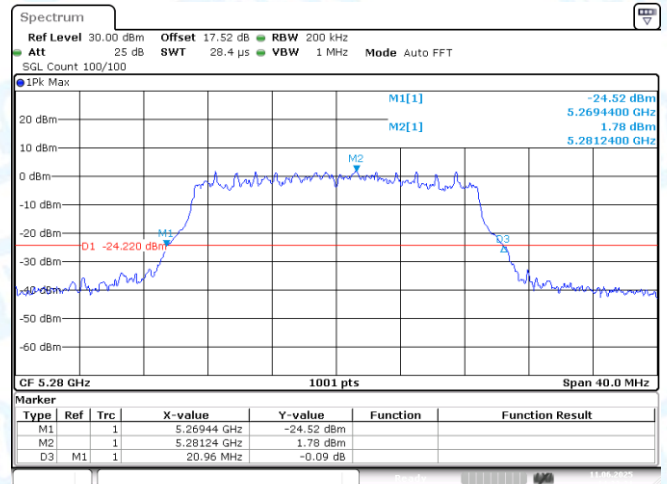
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11AC20MIMO-Ant2-5260



Date: 11.JUN.2025 14:19:35

11AC20MIMO-Ant1-5280



Date: 11.JUN.2025 14:22:22

11AC20MIMO-Ant2-5280