

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

General Description of EUT	
EUT Name:	WiFi & BT combo module
Model:	EWN-8852BSN3DB
Sample ID:	HC-C-202501-0081-01-01
Test Standard:	FCC Part 15.407
Environmental Conditions	
Ambient Temperature:	25℃
Ambient Humidity:	45%
Test Power Supply:	DC3.3V
Test Engineer:	Gold zhang
Note: For a more detailed features description, please refer to the report TBR-C-202501-0081-17	

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1: Emission Bandwidth

1.1 Test Result

TestMode	Antenna	Frequency[MHz]	26dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	18.48	5170.72	5189.20	---	---
11A	Ant2	5180	18.40	5170.88	5189.28	---	---
11A	Ant1	5200	18.44	5190.84	5209.28	---	---
11A	Ant2	5200	18.08	5190.84	5208.92	---	---
11A	Ant1	5240	18.40	5230.88	5249.28	---	---
11A	Ant2	5240	18.40	5230.84	5249.24	---	---
11A	Ant1	5260	18.52	5250.76	5269.28	---	---
11A	Ant2	5260	18.32	5250.88	5269.20	---	---
11A	Ant1	5280	18.16	5271.00	5289.16	---	---
11A	Ant2	5280	18.08	5270.84	5288.92	---	---
11A	Ant1	5320	18.08	5311.04	5329.12	---	---
11A	Ant2	5320	18.36	5310.88	5329.24	---	---
11A	Ant1	5500	18.12	5490.92	5509.04	---	---
11A	Ant2	5500	18.24	5490.92	5509.16	---	---
11A	Ant1	5580	18.52	5570.68	5589.20	---	---
11A	Ant2	5580	18.28	5570.84	5589.12	---	---
11A	Ant1	5720	18.68	5710.60	5729.28	---	---
11A	Ant2	5720	18.24	5710.88	5729.12	---	---
11A	Ant1	5720_UNII-2C	14.4	5710.60	5725	---	---
11A	Ant2	5720_UNII-2C	14.12	5710.88	5725	---	---
11A	Ant1	5720_UNII-3	4.28	5725	5729.28	---	---
11A	Ant2	5720_UNII-3	4.12	5725	5729.12	---	---
11N20-CDD	Ant1	5180	19.44	5170.20	5189.64	---	---
11N20-CDD	Ant2	5180	19.48	5170.24	5189.72	---	---
11N20-CDD	Ant1	5200	19.36	5190.32	5209.68	---	---
11N20-CDD	Ant2	5200	19.36	5190.40	5209.76	---	---
11N20-CDD	Ant1	5240	19.32	5230.32	5249.64	---	---
11N20-CDD	Ant2	5240	19.20	5230.36	5249.56	---	---
11N20-CDD	Ant1	5260	19.40	5250.28	5269.68	---	---
11N20-CDD	Ant2	5260	19.60	5250.08	5269.68	---	---
11N20-CDD	Ant1	5280	19.52	5270.16	5289.68	---	---
11N20-CDD	Ant2	5280	19.32	5270.40	5289.72	---	---
11N20-CDD	Ant1	5320	19.16	5310.40	5329.56	---	---
11N20-CDD	Ant2	5320	19.32	5310.40	5329.72	---	---
11N20-CDD	Ant1	5500	19.36	5490.36	5509.72	---	---
11N20-CDD	Ant2	5500	19.36	5490.28	5509.64	---	---
11N20-CDD	Ant1	5580	19.36	5570.32	5589.68	---	---
11N20-CDD	Ant2	5580	19.36	5570.32	5589.68	---	---
11N20-CDD	Ant1	5720	19.16	5710.40	5729.56	---	---
11N20-CDD	Ant2	5720	19.16	5710.40	5729.56	---	---
11N20-CDD	Ant1	5720_UNII-2C	14.6	5710.40	5725	---	---

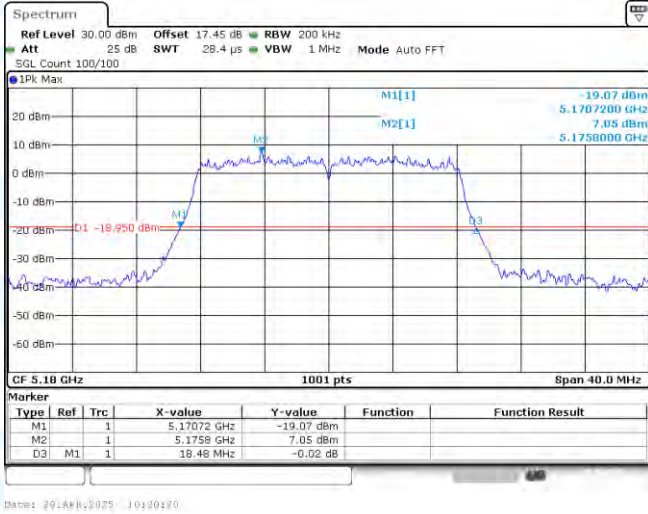
11N20-CDD	Ant2	5720_UNII-2C	14.6	5710.40	5725	---	---
11N20-CDD	Ant1	5720_UNII-3	4.56	5725	5729.56	---	---
11N20-CDD	Ant2	5720_UNII-3	4.56	5725	5729.56	---	---
11N40-CDD	Ant1	5190	38.72	5170.48	5209.20	---	---
11N40-CDD	Ant2	5190	39.12	5170.56	5209.68	---	---
11N40-CDD	Ant1	5230	38.80	5210.40	5249.20	---	---
11N40-CDD	Ant2	5230	39.04	5210.56	5249.60	---	---
11N40-CDD	Ant1	5270	38.56	5250.64	5289.20	---	---
11N40-CDD	Ant2	5270	38.64	5250.72	5289.36	---	---
11N40-CDD	Ant1	5310	38.72	5290.64	5329.36	---	---
11N40-CDD	Ant2	5310	38.80	5290.64	5329.44	---	---
11N40-CDD	Ant1	5510	38.80	5490.64	5529.44	---	---
11N40-CDD	Ant2	5510	38.72	5490.64	5529.36	---	---
11N40-CDD	Ant1	5550	39.20	5530.24	5569.44	---	---
11N40-CDD	Ant2	5550	39.28	5530.24	5569.52	---	---
11N40-CDD	Ant1	5710	38.88	5690.56	5729.44	---	---
11N40-CDD	Ant2	5710	38.80	5690.48	5729.28	---	---
11N40-CDD	Ant1	5710_UNII-2C	34.44	5690.56	5725	---	---
11N40-CDD	Ant2	5710_UNII-2C	34.52	5690.48	5725	---	---
11N40-CDD	Ant1	5710_UNII-3	4.44	5725	5729.44	---	---
11N40-CDD	Ant2	5710_UNII-3	4.28	5725	5729.28	---	---
11AC20-CDD	Ant1	5180	19.24	5170.36	5189.60	---	---
11AC20-CDD	Ant2	5180	19.28	5170.44	5189.72	---	---
11AC20-CDD	Ant1	5200	19.36	5190.28	5209.64	---	---
11AC20-CDD	Ant2	5200	19.08	5190.48	5209.56	---	---
11AC20-CDD	Ant1	5240	19.32	5230.24	5249.56	---	---
11AC20-CDD	Ant2	5240	19.20	5230.36	5249.56	---	---
11AC20-CDD	Ant1	5260	19.32	5250.36	5269.68	---	---
11AC20-CDD	Ant2	5260	19.40	5250.24	5269.64	---	---
11AC20-CDD	Ant1	5280	19.24	5270.36	5289.60	---	---
11AC20-CDD	Ant2	5280	19.28	5270.28	5289.56	---	---
11AC20-CDD	Ant1	5320	19.20	5310.40	5329.60	---	---
11AC20-CDD	Ant2	5320	19.56	5310.20	5329.76	---	---
11AC20-CDD	Ant1	5500	19.20	5490.40	5509.60	---	---
11AC20-CDD	Ant2	5500	19.24	5490.36	5509.60	---	---
11AC20-CDD	Ant1	5580	19.28	5570.36	5589.64	---	---
11AC20-CDD	Ant2	5580	19.12	5570.44	5589.56	---	---
11AC20-CDD	Ant1	5720	19.36	5710.28	5729.64	---	---
11AC20-CDD	Ant2	5720	19.24	5710.36	5729.60	---	---
11AC20-CDD	Ant1	5720_UNII-2C	14.72	5710.28	5725	---	---
11AC20-CDD	Ant2	5720_UNII-2C	14.64	5710.36	5725	---	---
11AC20-CDD	Ant1	5720_UNII-3	4.64	5725	5729.64	---	---
11AC20-CDD	Ant2	5720_UNII-3	4.6	5725	5729.60	---	---
11AC40-CDD	Ant1	5190	38.80	5170.40	5209.20	---	---
11AC40-CDD	Ant2	5190	38.96	5170.40	5209.36	---	---

11AC40-CDD	Ant1	5230	38.96	5210.40	5249.36	---	---
11AC40-CDD	Ant2	5230	39.04	5210.40	5249.44	---	---
11AC40-CDD	Ant1	5270	38.64	5250.64	5289.28	---	---
11AC40-CDD	Ant2	5270	38.56	5250.56	5289.12	---	---
11AC40-CDD	Ant1	5310	38.72	5290.64	5329.36	---	---
11AC40-CDD	Ant2	5310	38.88	5290.56	5329.44	---	---
11AC40-CDD	Ant1	5510	39.20	5490.32	5529.52	---	---
11AC40-CDD	Ant2	5510	39.04	5490.40	5529.44	---	---
11AC40-CDD	Ant1	5550	38.48	5530.64	5569.12	---	---
11AC40-CDD	Ant2	5550	38.96	5530.64	5569.60	---	---
11AC40-CDD	Ant1	5710	38.80	5690.64	5729.44	---	---
11AC40-CDD	Ant2	5710	38.96	5690.48	5729.44	---	---
11AC40-CDD	Ant1	5710_UNII-2C	34.36	5690.64	5725	---	---
11AC40-CDD	Ant2	5710_UNII-2C	34.52	5690.48	5725	---	---
11AC40-CDD	Ant1	5710_UNII-3	4.44	5725	5729.44	---	---
11AC40-CDD	Ant2	5710_UNII-3	4.44	5725	5729.44	---	---
11AC80-CDD	Ant1	5210	84.48	5168.24	5252.72	---	---
11AC80-CDD	Ant2	5210	86.88	5167.12	5254.00	---	---
11AC80-CDD	Ant1	5290	88.00	5246.32	5334.32	---	---
11AC80-CDD	Ant2	5290	83.20	5248.24	5331.44	---	---
11AC80-CDD	Ant1	5530	84.80	5487.92	5572.72	---	---
11AC80-CDD	Ant2	5530	85.44	5486.80	5572.24	---	---
11AC80-CDD	Ant1	5610	84.96	5567.76	5652.72	---	---
11AC80-CDD	Ant2	5610	82.88	5569.84	5652.72	---	---
11AC80-CDD	Ant1	5690	84.80	5646.80	5731.60	---	---
11AC80-CDD	Ant2	5690	84.48	5646.96	5731.44	---	---
11AC80-CDD	Ant1	5690_UNII-2C	78.2	5646.80	5725	---	---
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11AC80-CDD	Ant1	5690_UNII-3	6.6	5725	5731.60	---	---
11AC80-CDD	Ant2	5690_UNII-3	6.44	5725	5731.44	---	---
11AX20-CDD	Ant1	5180	20.16	5169.80	5189.96	---	---
11AX20-CDD	Ant2	5180	20.40	5169.84	5190.24	---	---
11AX20-CDD	Ant1	5200	20.12	5189.96	5210.08	---	---
11AX20-CDD	Ant2	5200	20.24	5189.72	5209.96	---	---
11AX20-CDD	Ant1	5240	20.36	5229.80	5250.16	---	---
11AX20-CDD	Ant2	5240	20.56	5229.60	5250.16	---	---
11AX20-CDD	Ant1	5260	20.64	5249.60	5270.24	---	---
11AX20-CDD	Ant2	5260	20.28	5249.88	5270.16	---	---
11AX20-CDD	Ant1	5280	20.36	5269.88	5290.24	---	---
11AX20-CDD	Ant2	5280	20.28	5269.88	5290.16	---	---
11AX20-CDD	Ant1	5320	20.04	5309.92	5329.96	---	---
11AX20-CDD	Ant2	5320	20.24	5309.80	5330.04	---	---
11AX20-CDD	Ant1	5500	20.40	5489.84	5510.24	---	---
11AX20-CDD	Ant2	5500	20.24	5489.88	5510.12	---	---
11AX20-CDD	Ant1	5580	20.40	5569.64	5590.04	---	---

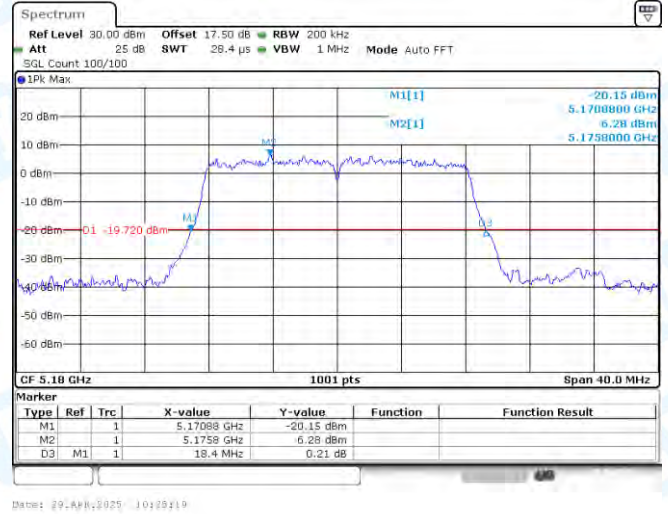
11AX20-CDD	Ant2	5580	20.32	5569.72	5590.04	---	---
11AX20-CDD	Ant1	5720	20.08	5709.92	5730.00	---	---
11AX20-CDD	Ant2	5720	20.12	5709.96	5730.08	---	---
11AX20-CDD	Ant1	5720_UNII-2C	15.08	5709.92	5725	---	---
11AX20-CDD	Ant2	5720_UNII-2C	15.04	5709.96	5725	---	---
11AX20-CDD	Ant1	5720_UNII-3	5	5725	5730.00	---	---
11AX20-CDD	Ant2	5720_UNII-3	5.08	5725	5730.08	---	---
11AX40-CDD	Ant1	5190	39.92	5170.08	5210.00	---	---
11AX40-CDD	Ant2	5190	39.84	5170.08	5209.92	---	---
11AX40-CDD	Ant1	5230	39.76	5210.08	5249.84	---	---
11AX40-CDD	Ant2	5230	40.00	5210.00	5250.00	---	---
11AX40-CDD	Ant1	5270	39.84	5250.00	5289.84	---	---
11AX40-CDD	Ant2	5270	39.92	5250.08	5290.00	---	---
11AX40-CDD	Ant1	5310	39.92	5290.08	5330.00	---	---
11AX40-CDD	Ant2	5310	40.08	5289.84	5329.92	---	---
11AX40-CDD	Ant1	5510	39.92	5490.08	5530.00	---	---
11AX40-CDD	Ant2	5510	39.92	5490.00	5529.92	---	---
11AX40-CDD	Ant1	5550	39.84	5530.16	5570.00	---	---
11AX40-CDD	Ant2	5550	39.68	5530.16	5569.84	---	---
11AX40-CDD	Ant1	5710	39.84	5690.08	5729.92	---	---
11AX40-CDD	Ant2	5710	39.68	5690.16	5729.84	---	---
11AX40-CDD	Ant1	5710_UNII-2C	34.92	5690.08	5725	---	---
11AX40-CDD	Ant2	5710_UNII-2C	34.84	5690.16	5725	---	---
11AX40-CDD	Ant1	5710_UNII-3	4.92	5725	5729.92	---	---
11AX40-CDD	Ant2	5710_UNII-3	4.84	5725	5729.84	---	---
11AX80-CDD	Ant1	5210	80.80	5169.84	5250.64	---	---
11AX80-CDD	Ant2	5210	80.48	5169.68	5250.16	---	---
11AX80-CDD	Ant1	5290	81.92	5249.20	5331.12	---	---
11AX80-CDD	Ant2	5290	81.12	5249.68	5330.80	---	---
11AX80-CDD	Ant1	5530	81.60	5488.88	5570.48	---	---
11AX80-CDD	Ant2	5530	80.48	5489.68	5570.16	---	---
11AX80-CDD	Ant1	5610	80.48	5569.68	5650.16	---	---
11AX80-CDD	Ant2	5610	81.12	5569.04	5650.16	---	---
11AX80-CDD	Ant1	5690	80.96	5649.52	5730.48	---	---
11AX80-CDD	Ant2	5690	81.60	5649.20	5730.80	---	---
11AX80-CDD	Ant1	5690_UNII-2C	75.48	5649.52	5725	---	---
11AX80-CDD	Ant2	5690_UNII-2C	75.8	5649.20	5725	---	---
11AX80-CDD	Ant1	5690_UNII-3	5.48	5725	5730.48	---	---
11AX80-CDD	Ant2	5690_UNII-3	5.8	5725	5730.80	---	---

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

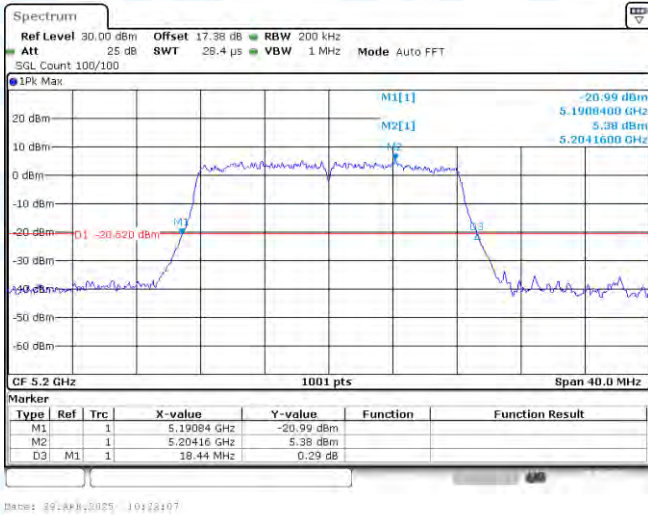
1.2 Test Graphs



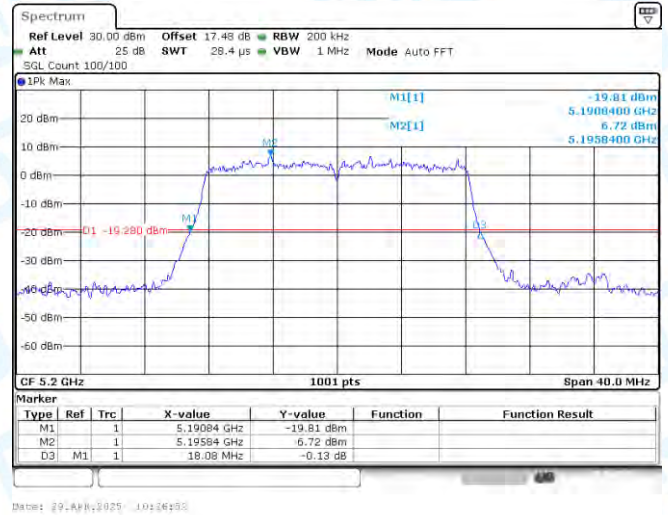
11A-Ant1-5180



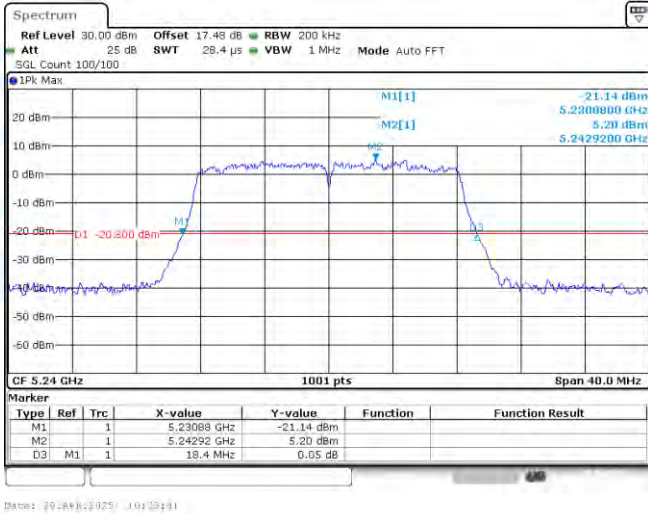
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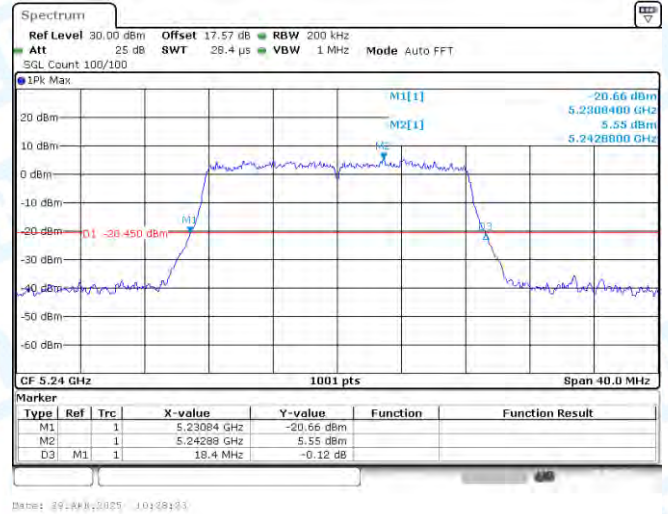
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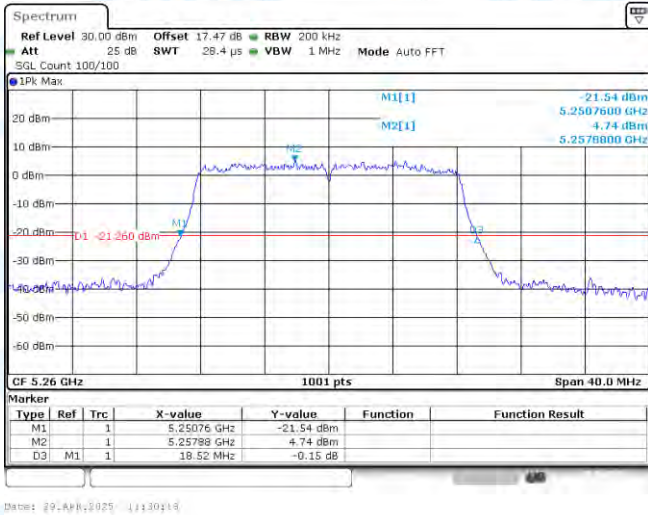
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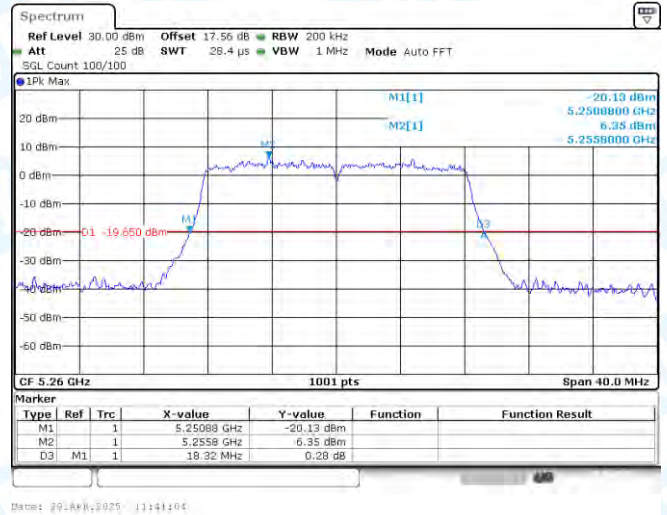
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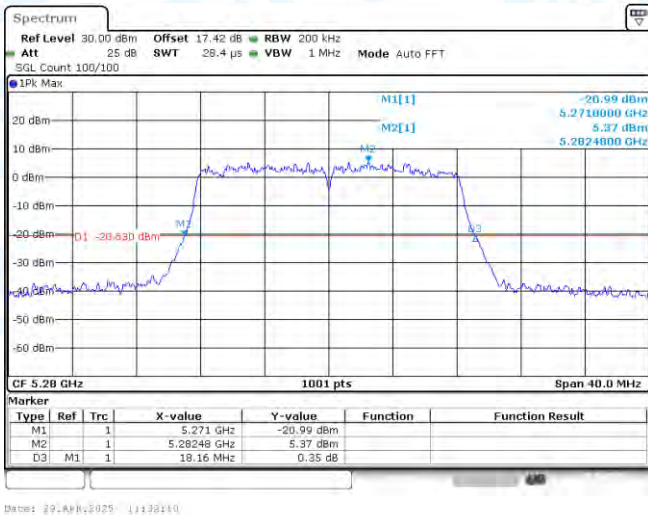
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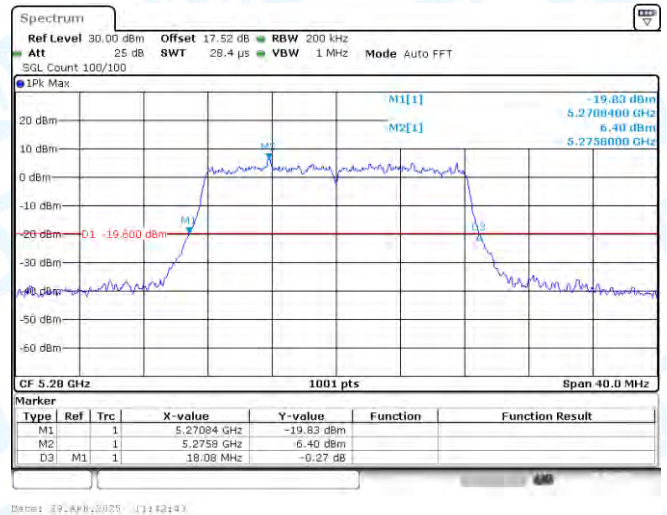
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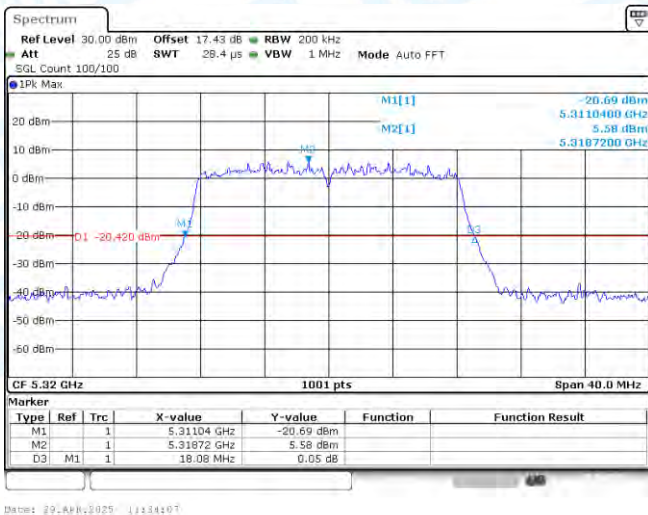
11A-Ant2-5260



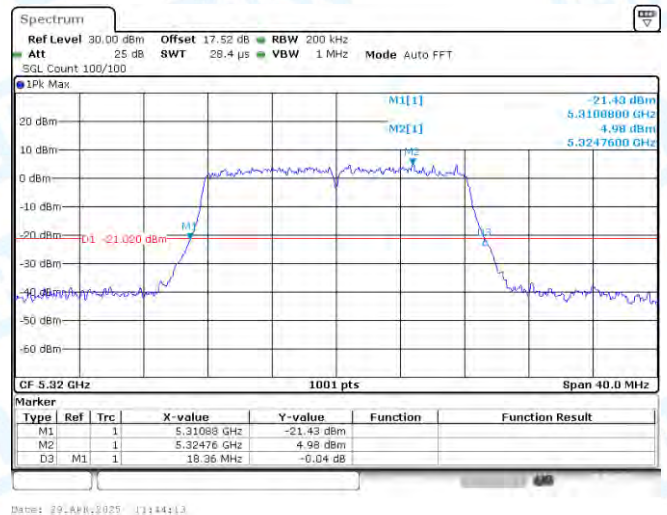
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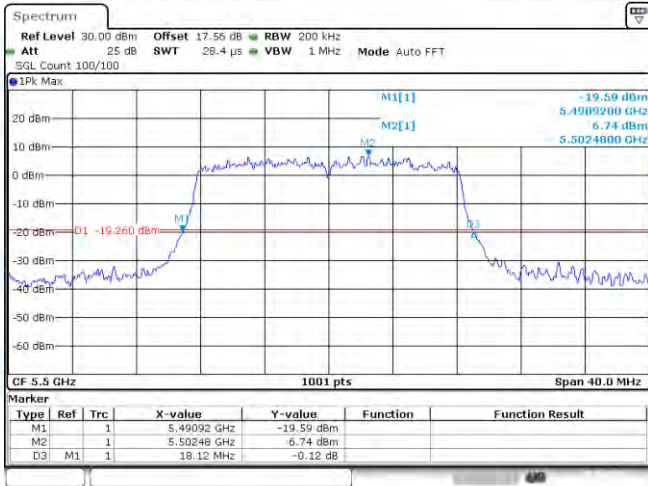
11A-Ant2-5280



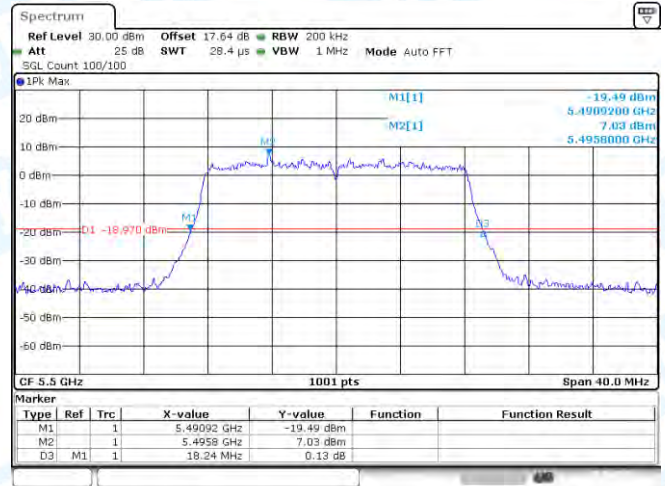
11A-Ant1-5320



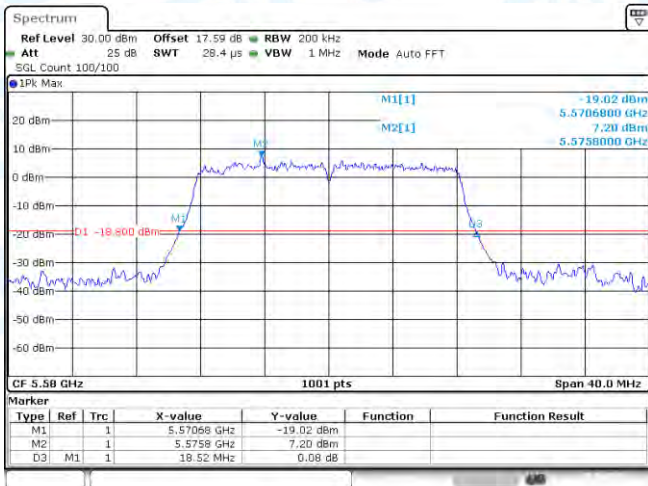
11A-Ant2-5320



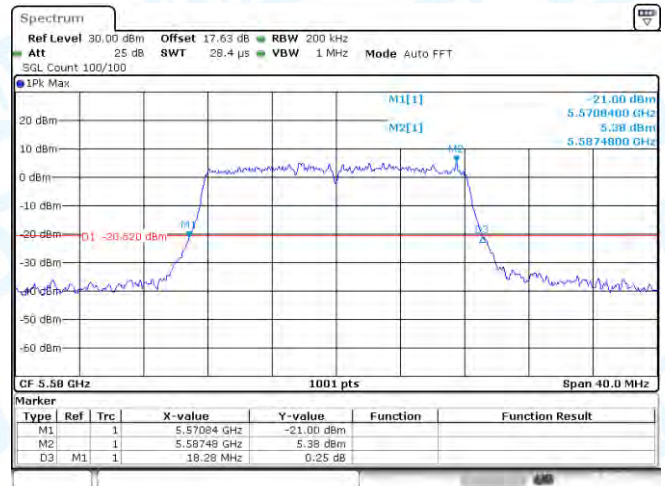
11A-Ant1-5500



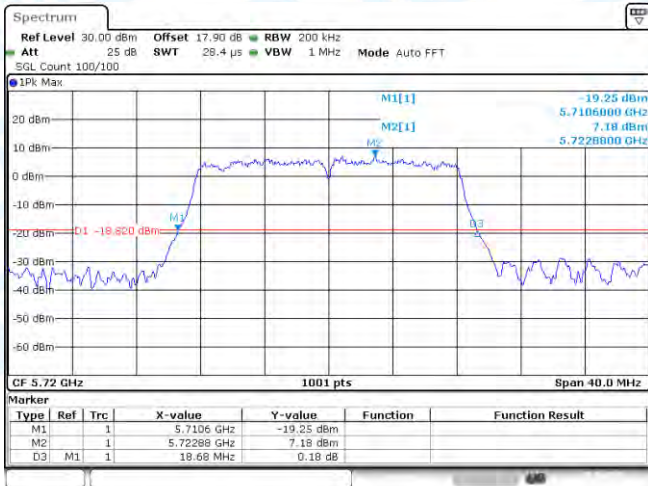
11A-Ant2-5500



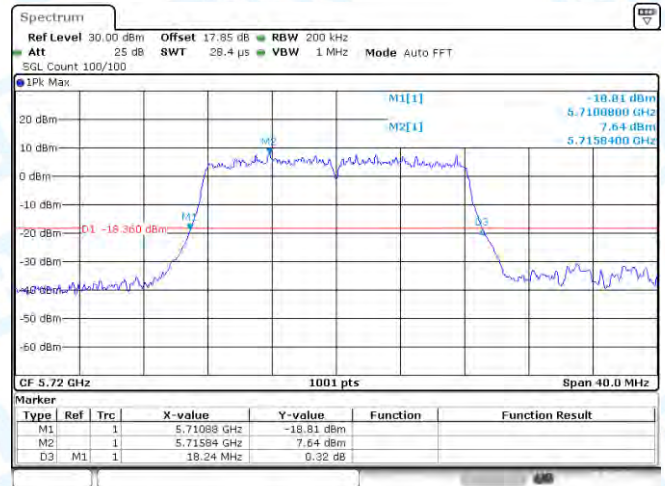
11A-Ant1-5580



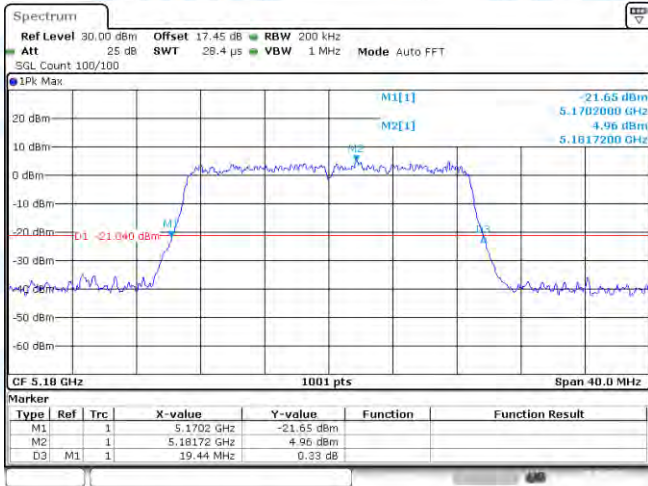
11A-Ant2-5580



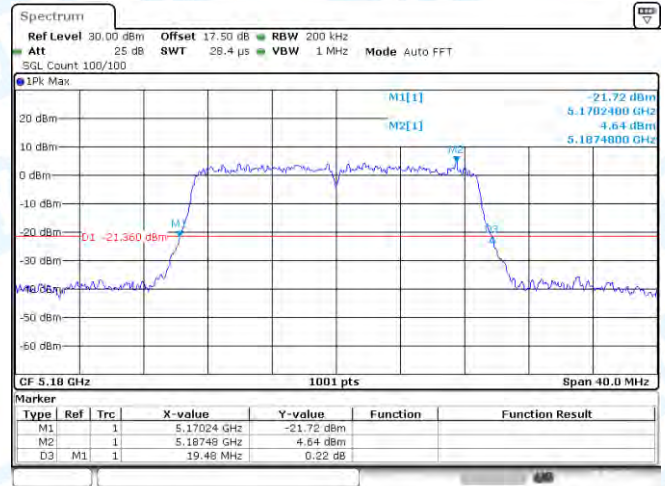
11A-Ant1-5720



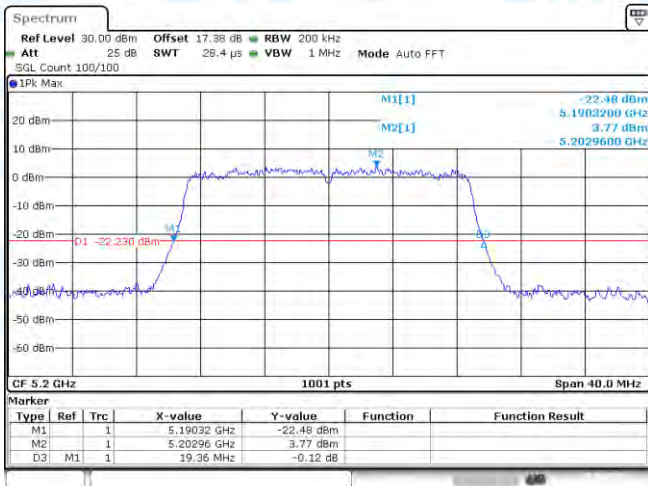
11A-Ant2-5720



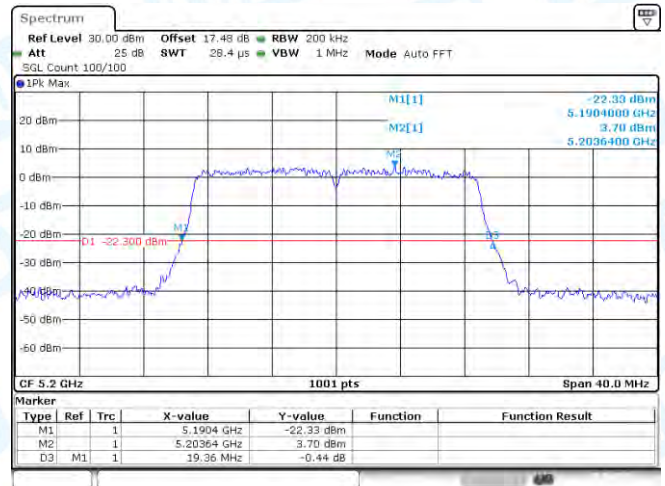
11N20-CDD-Ant1-5180



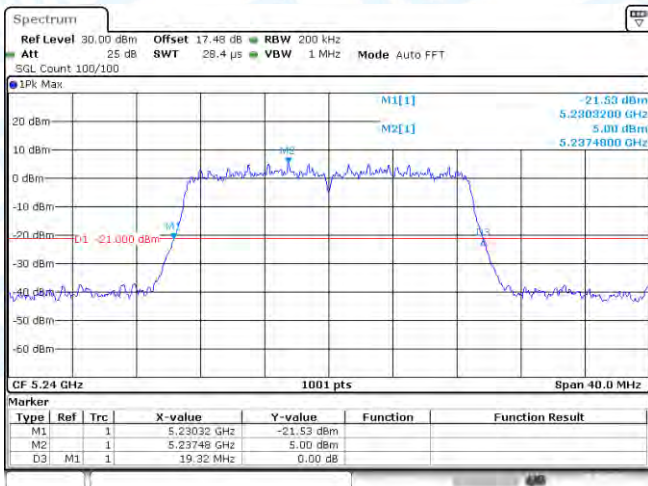
11N20-CDD-Ant2-5180



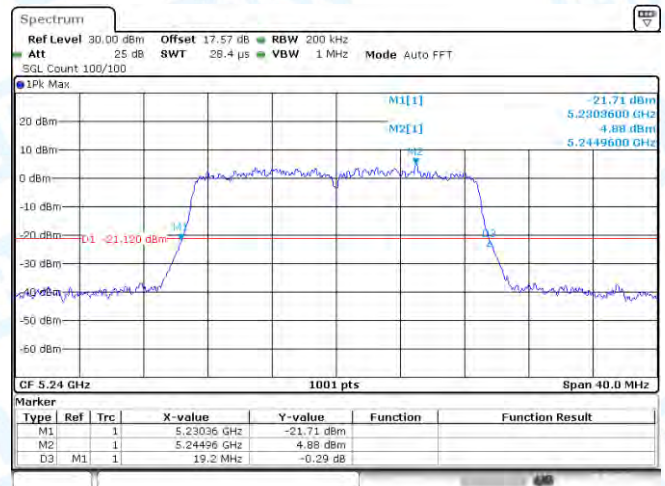
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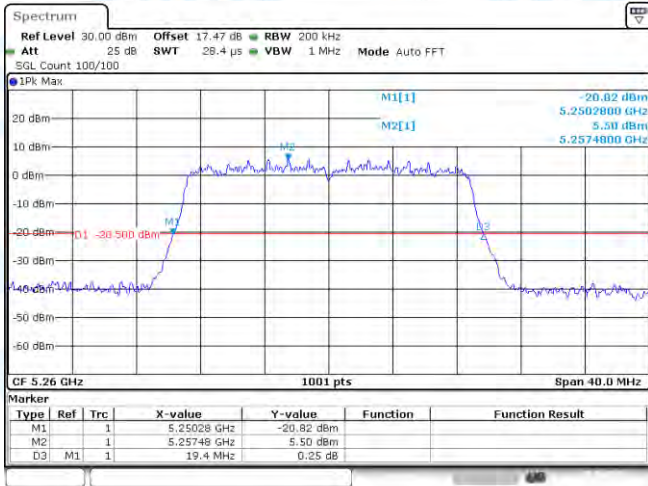
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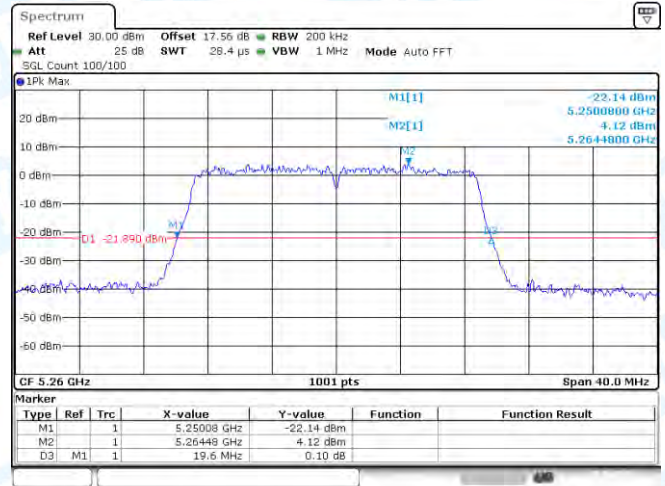
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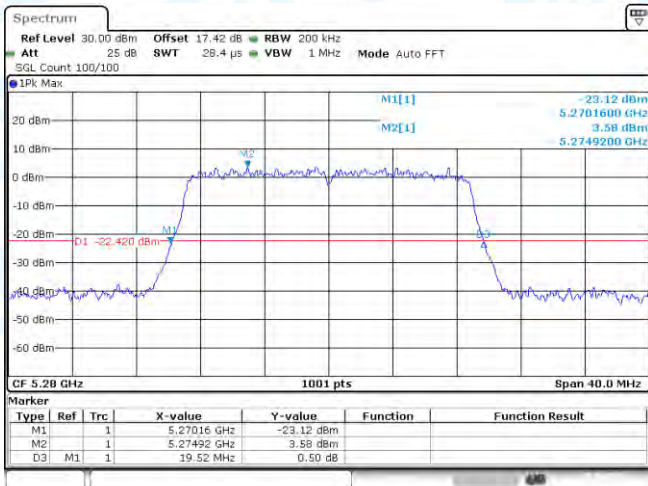
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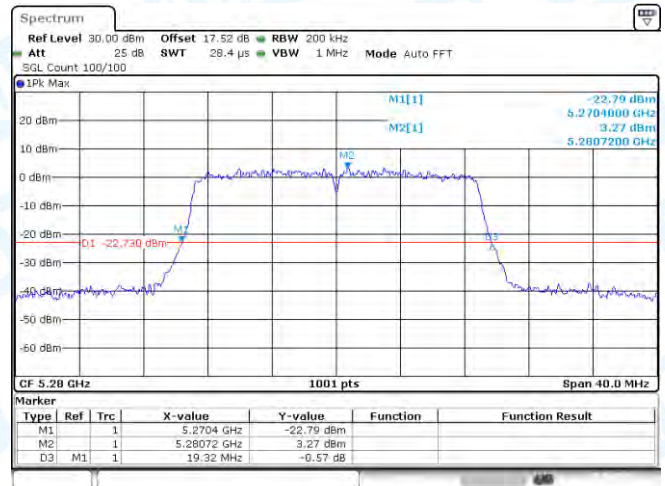
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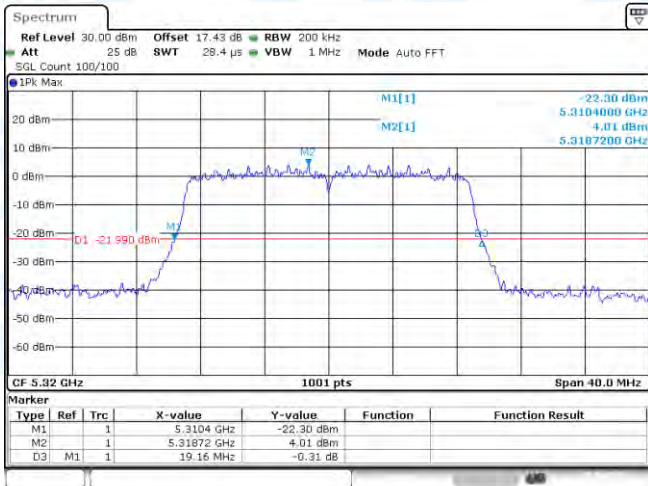
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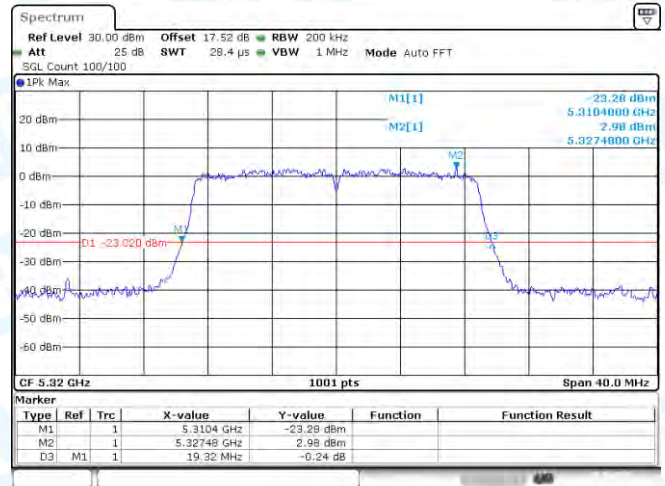
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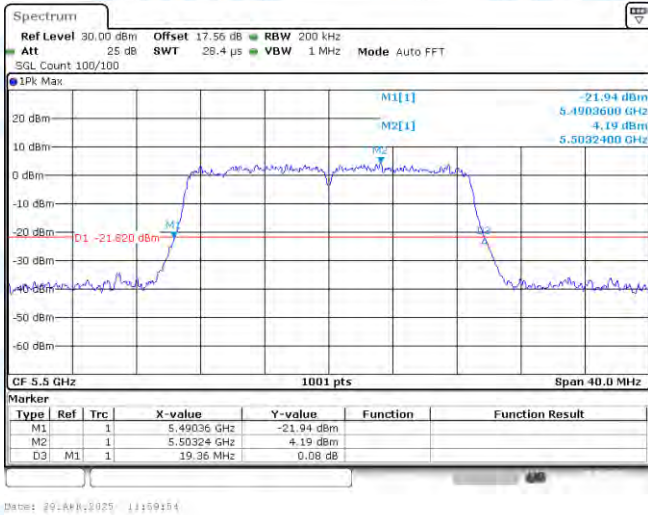
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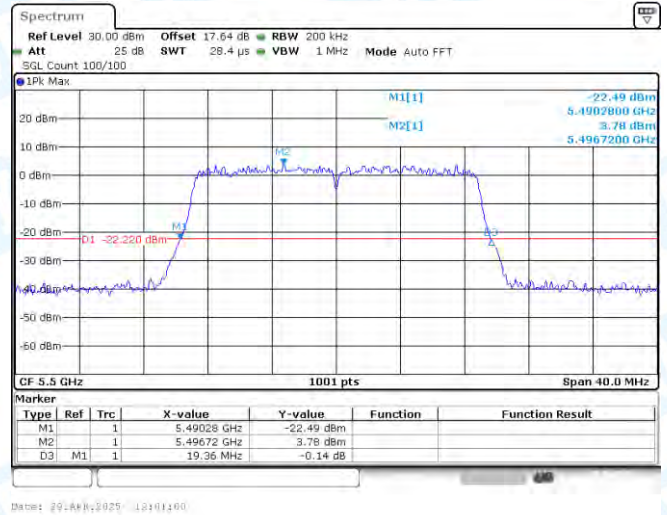
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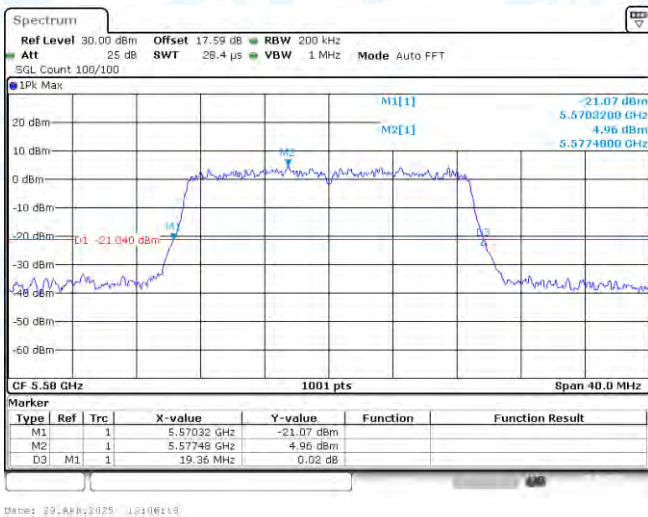
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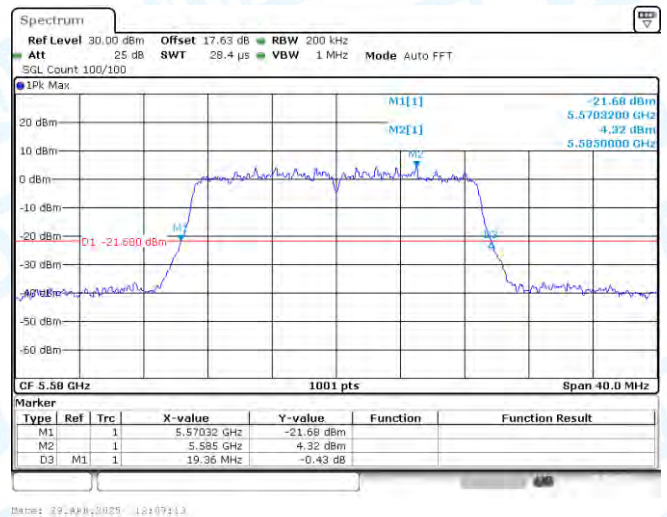
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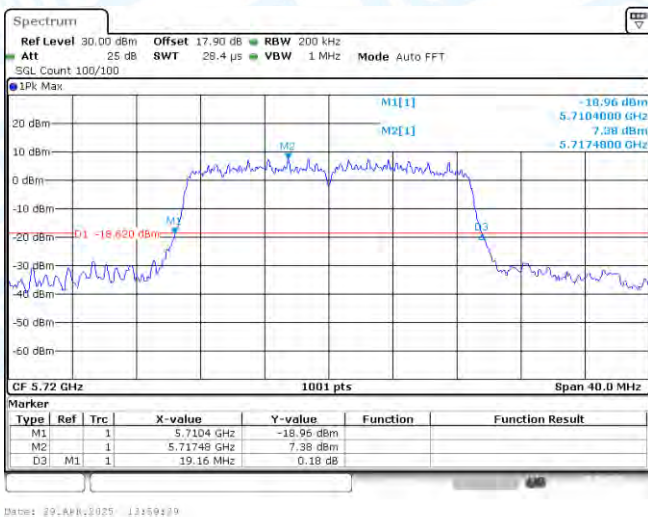
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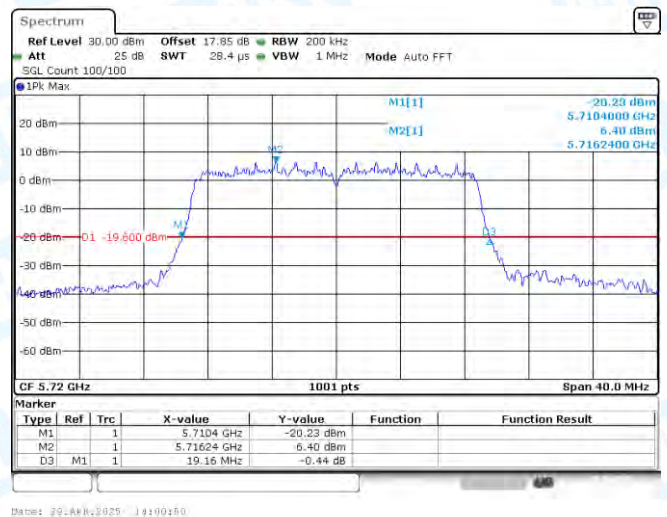
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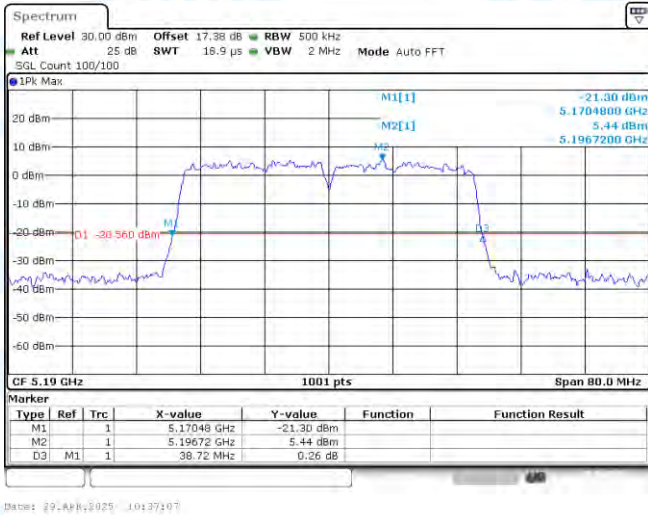
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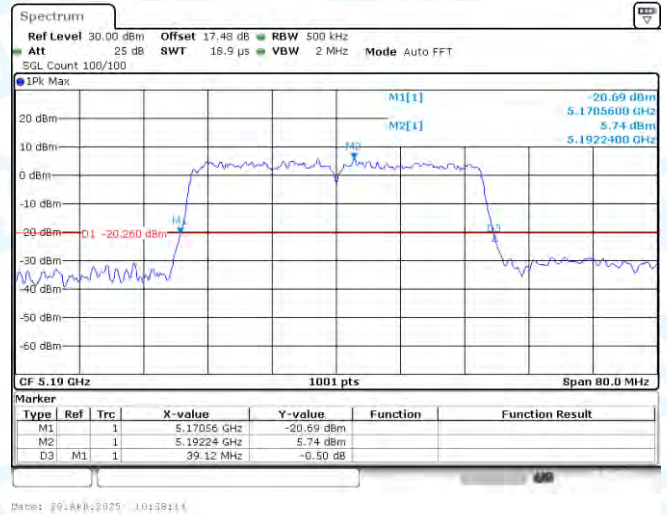
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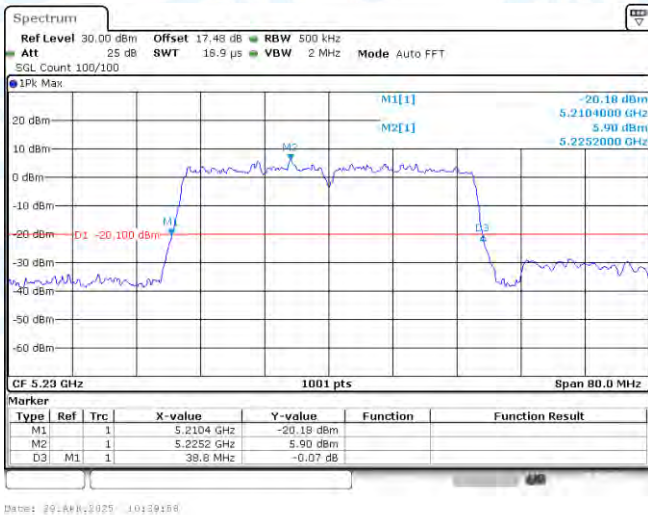
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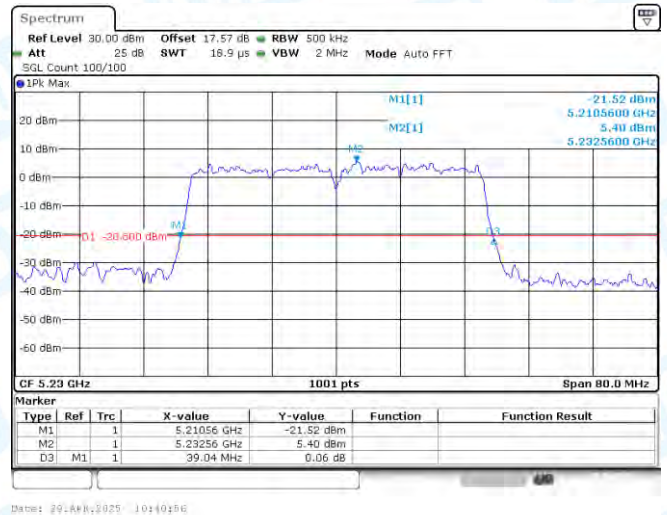
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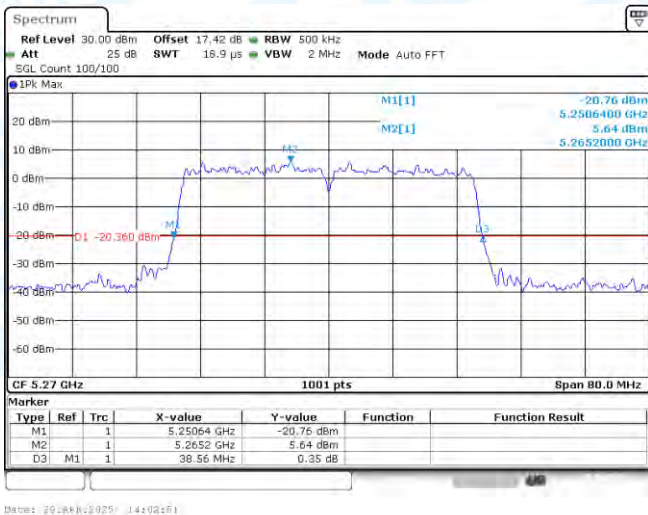
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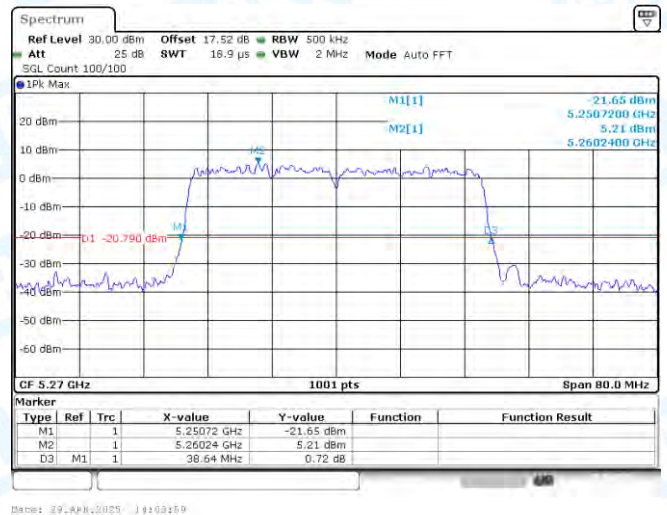
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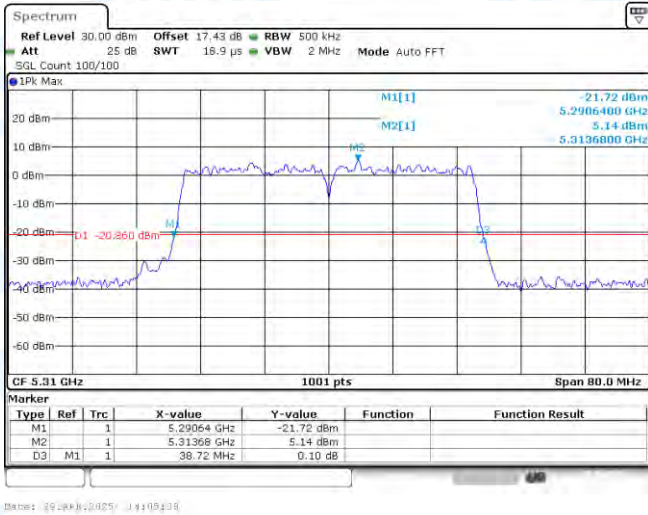
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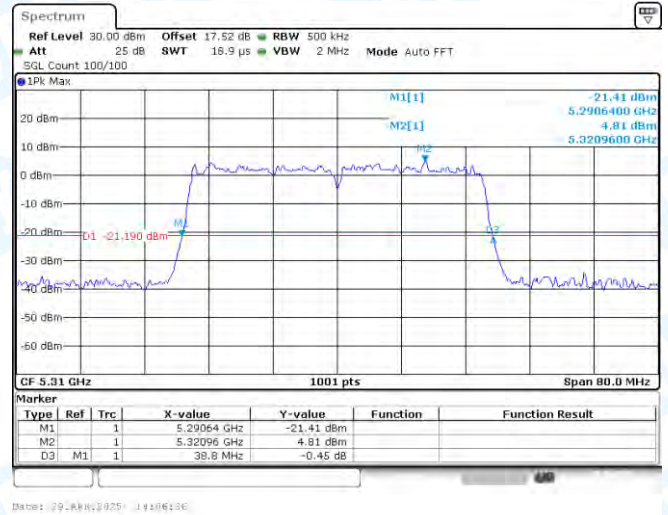
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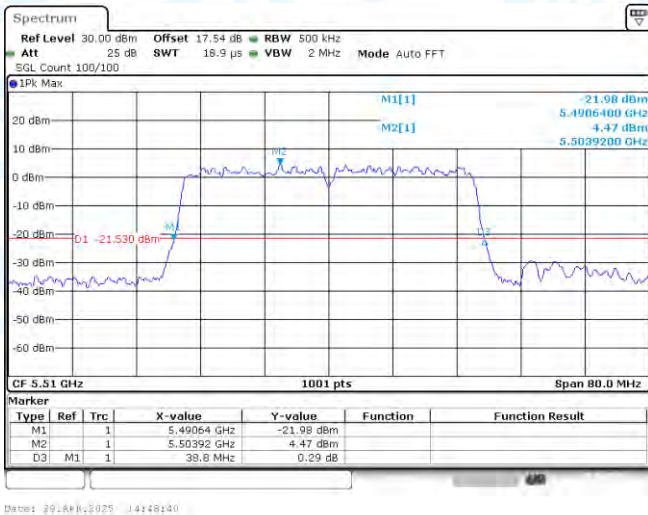
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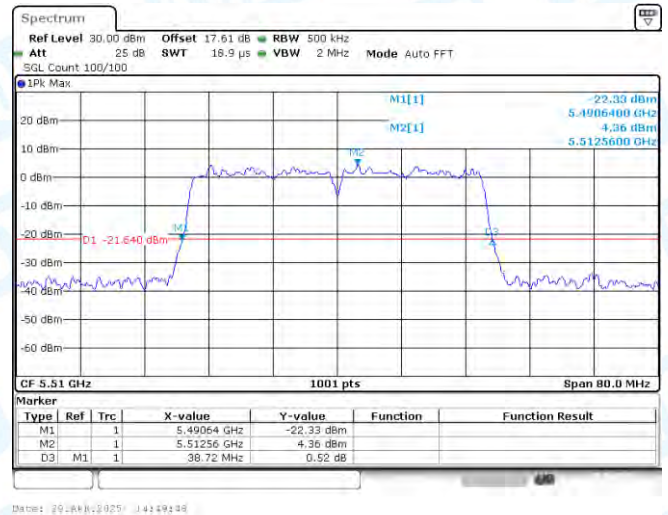
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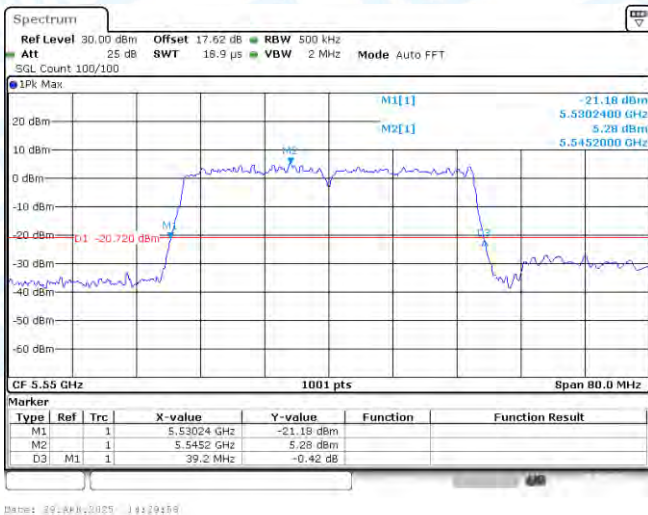
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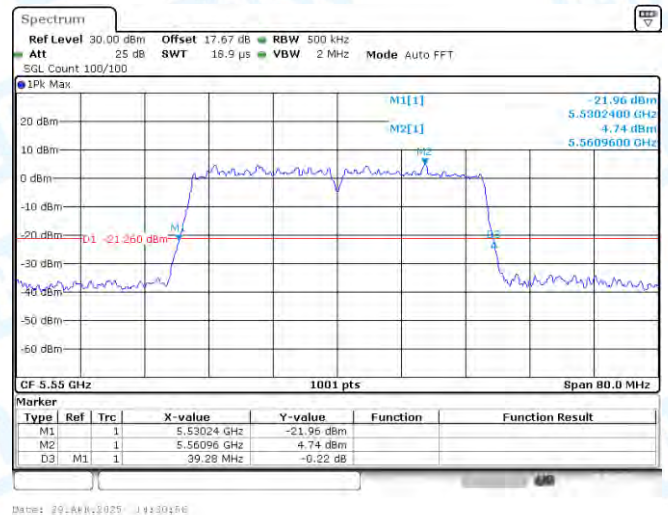
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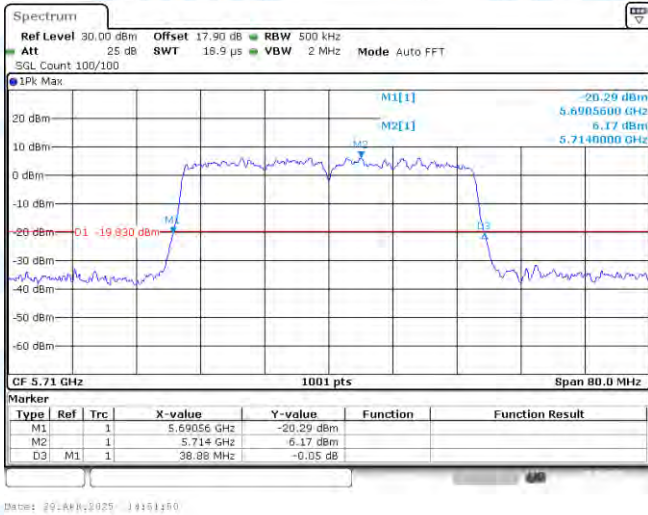
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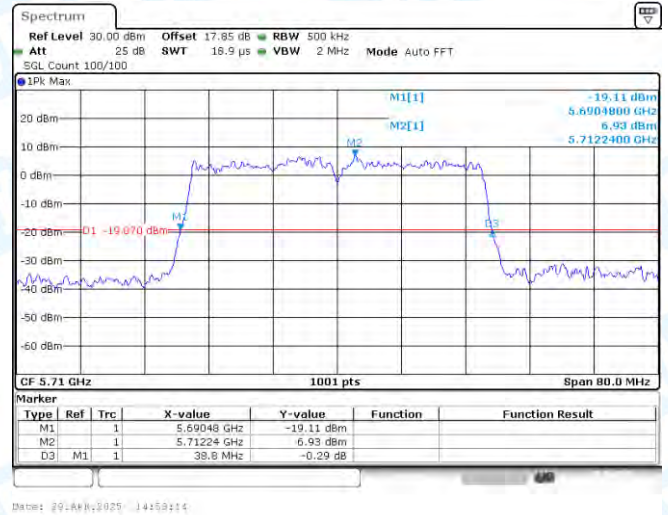
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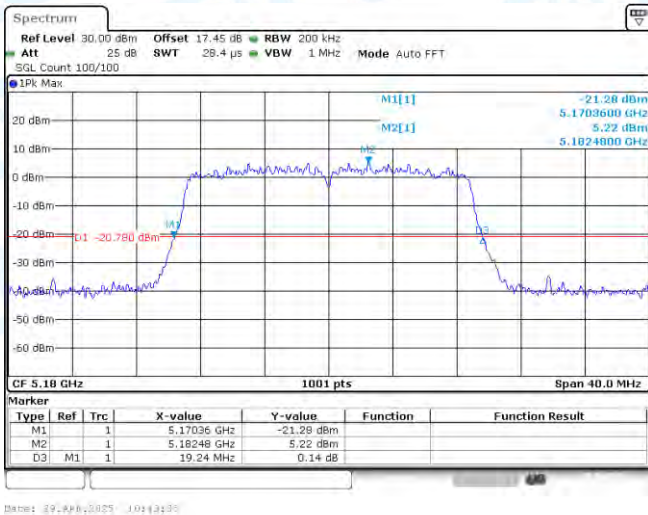
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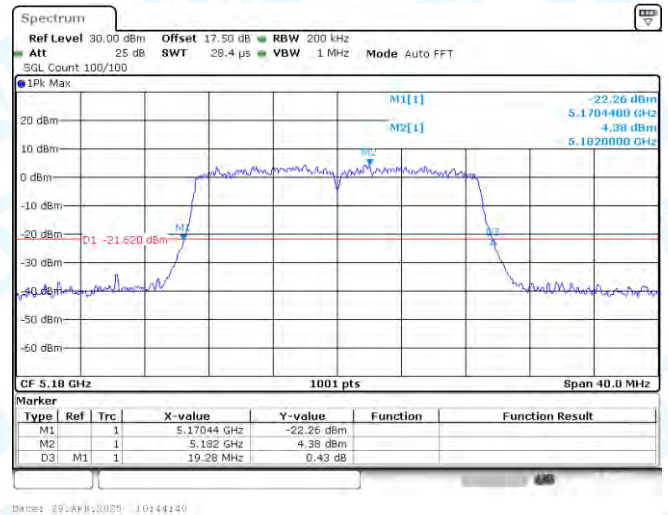
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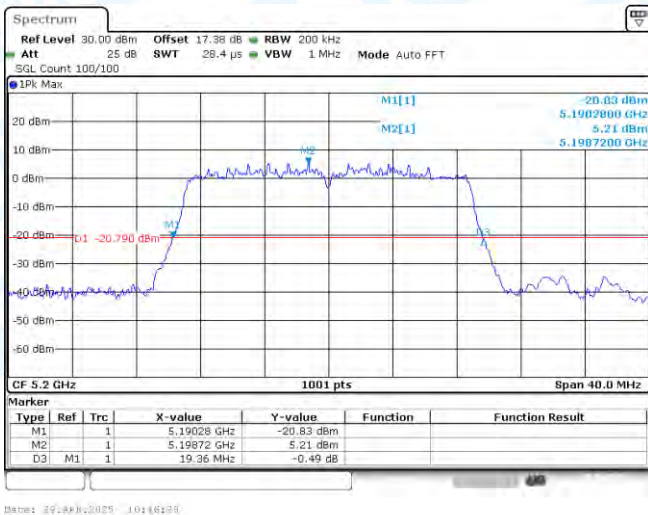
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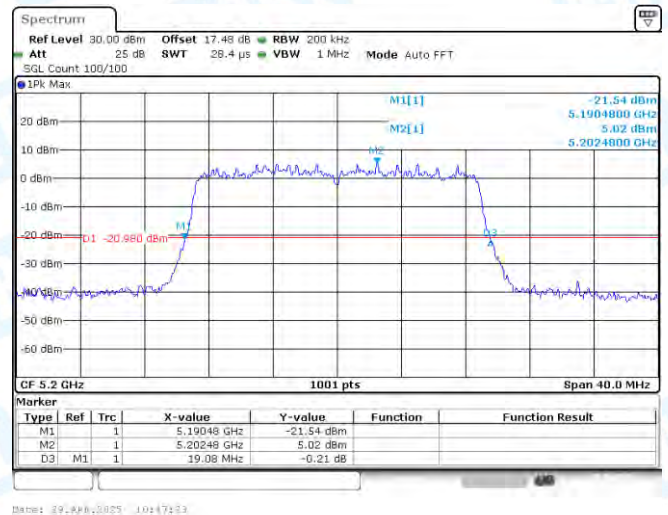
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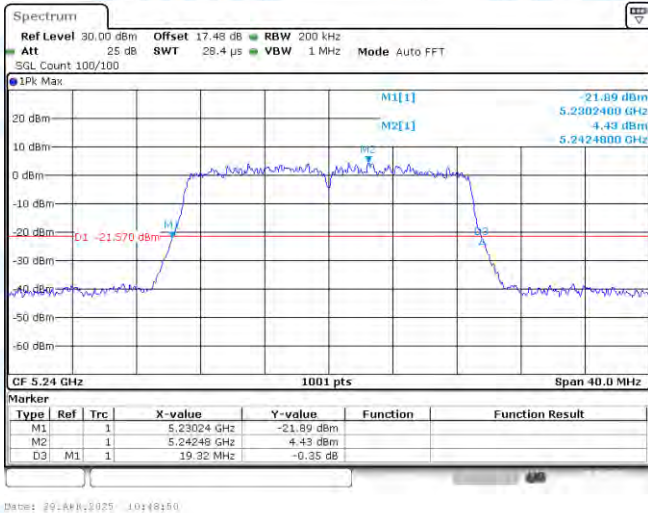
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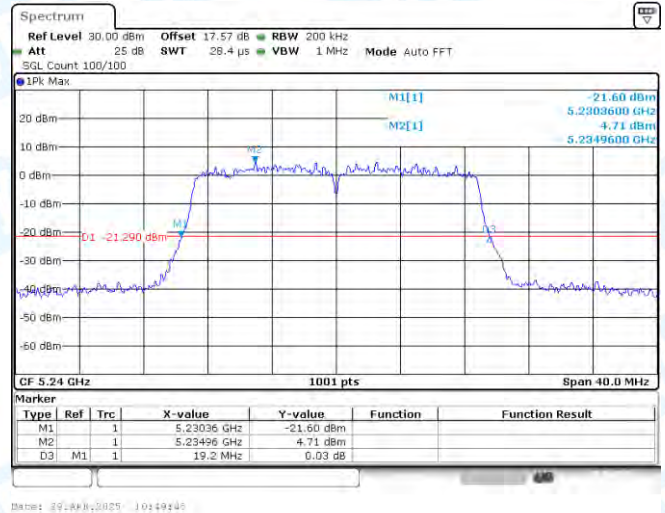
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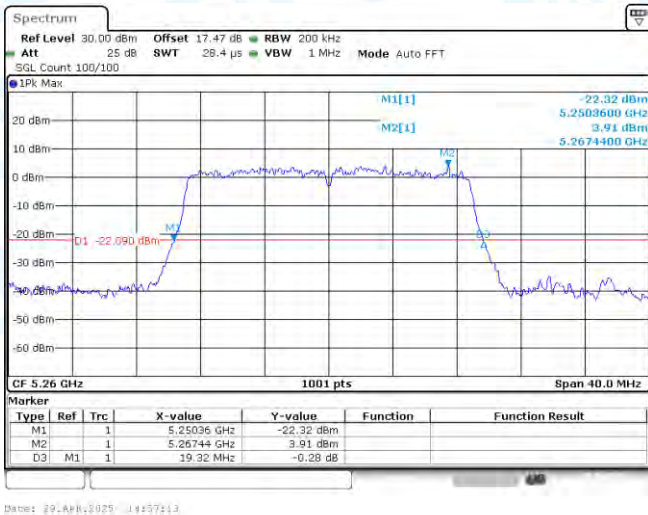
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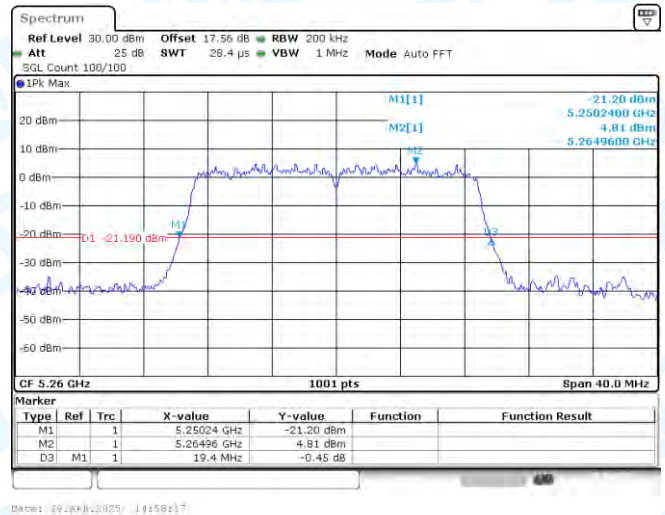
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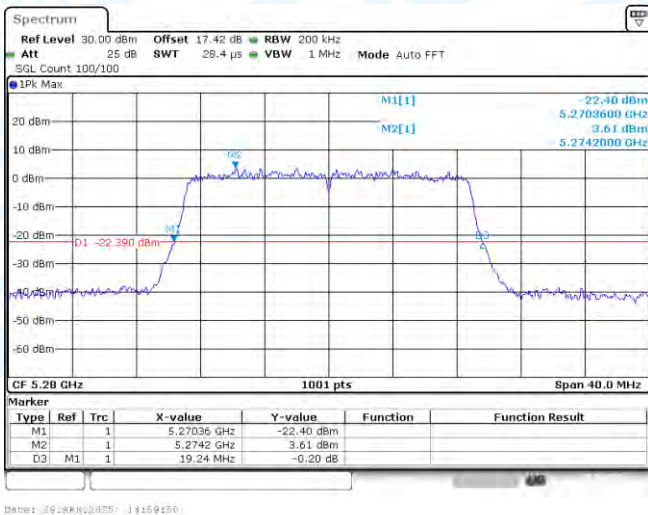
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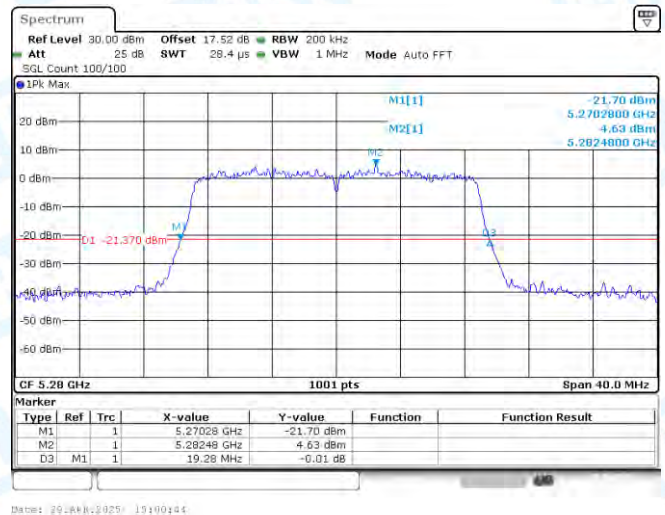
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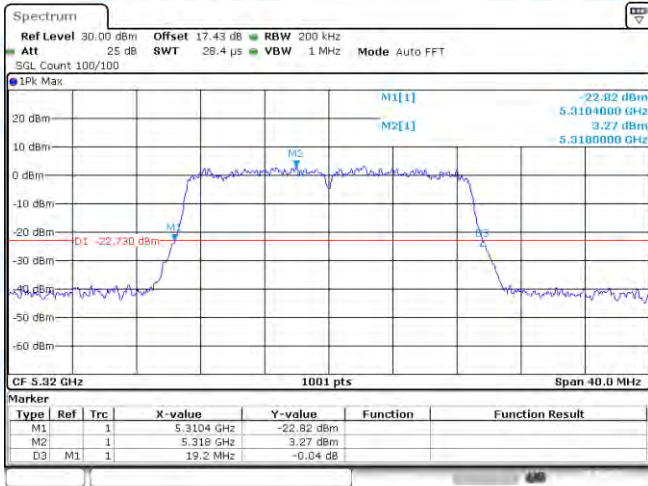
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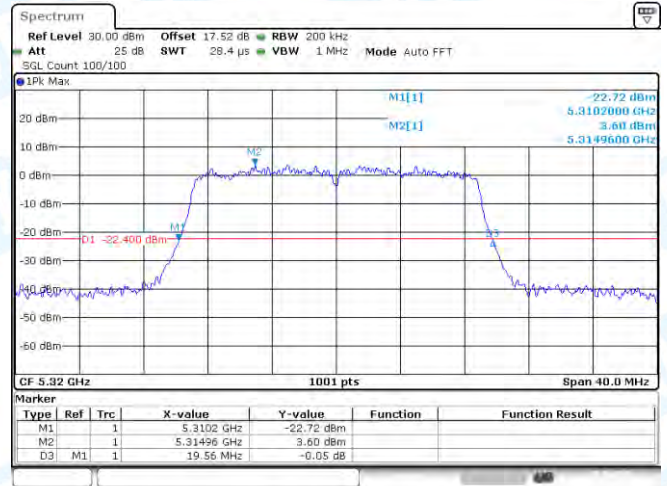
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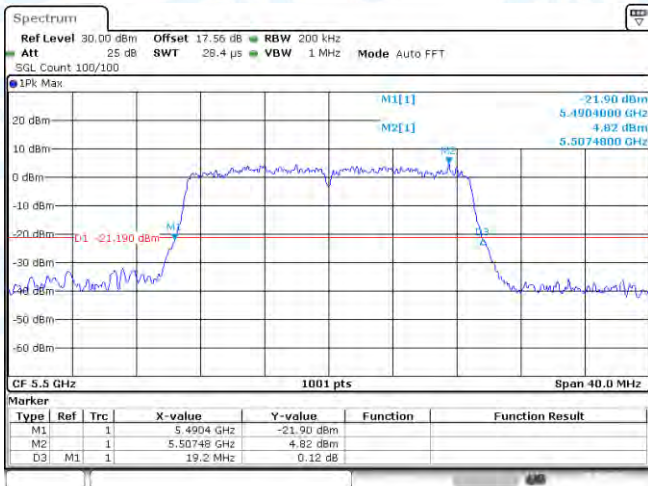
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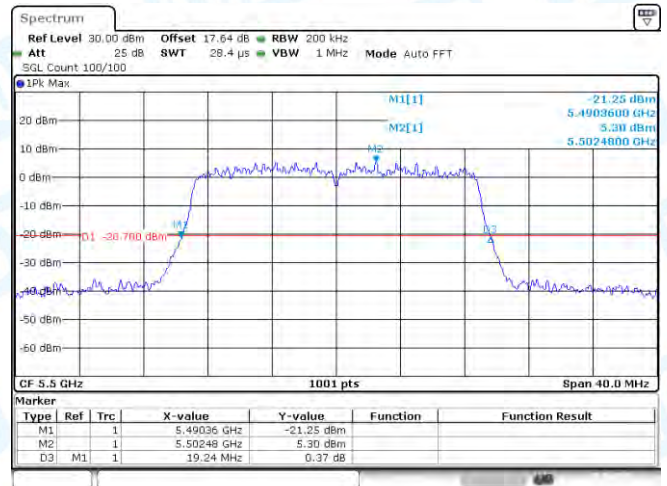
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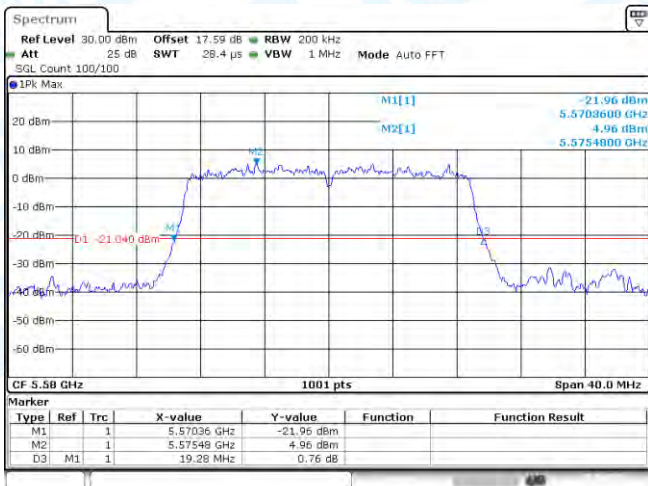
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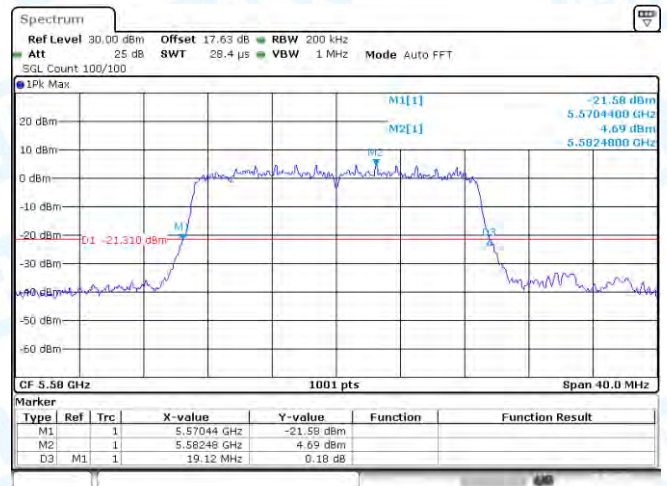
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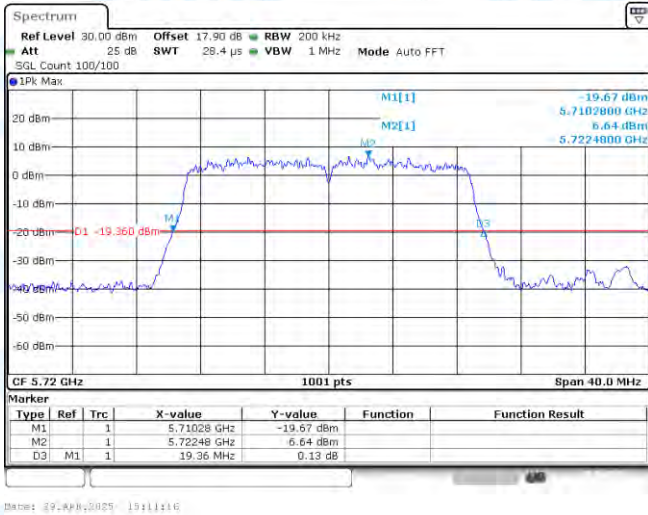
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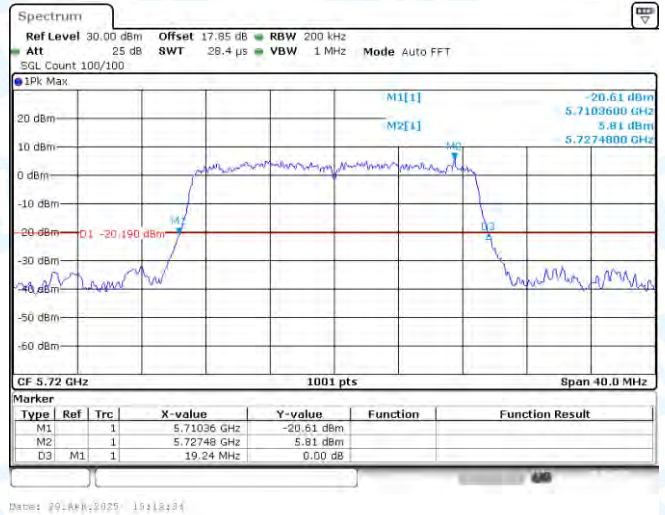
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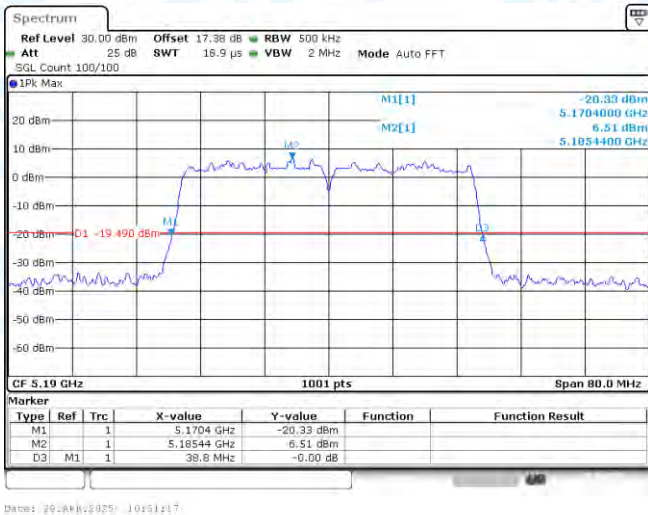
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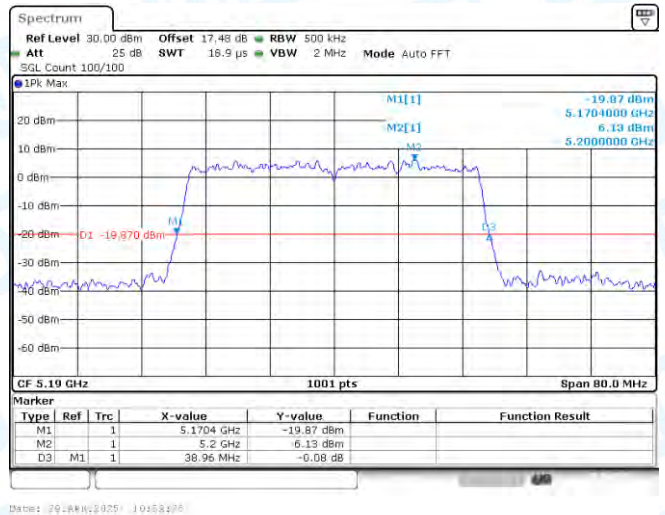
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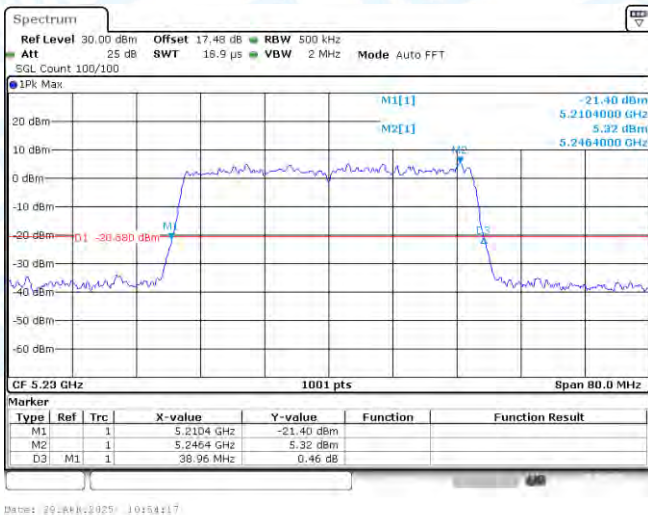
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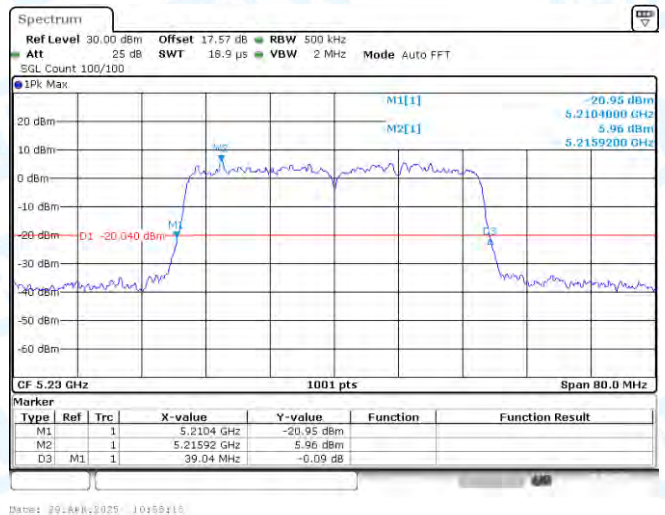
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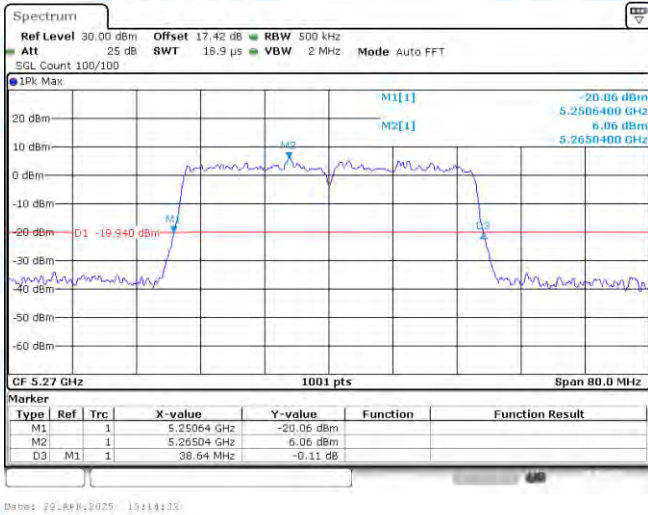
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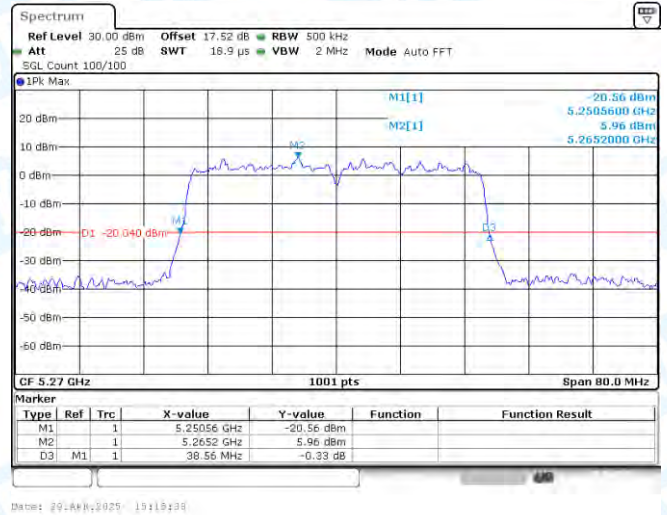
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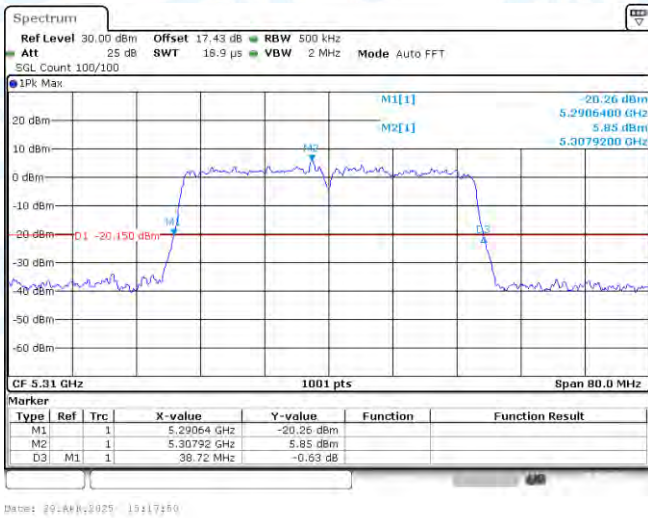
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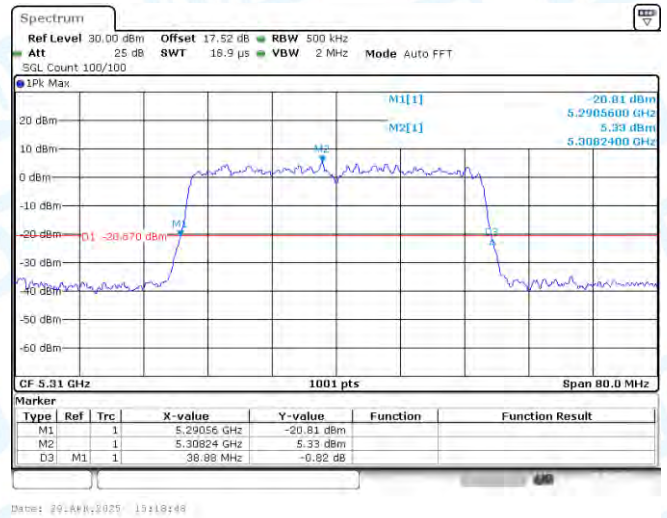
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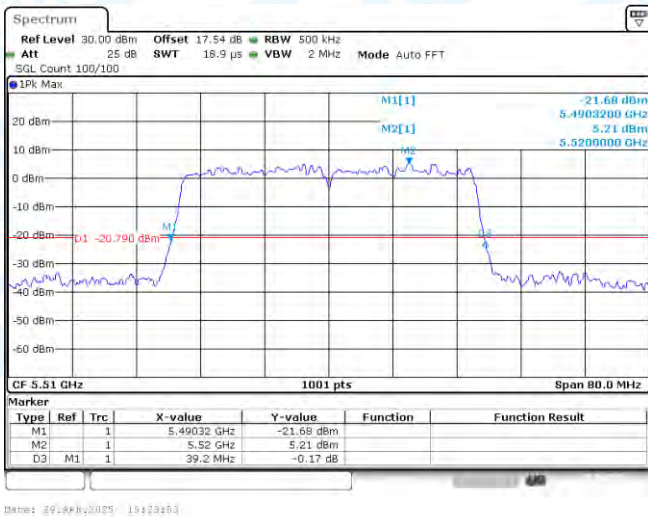
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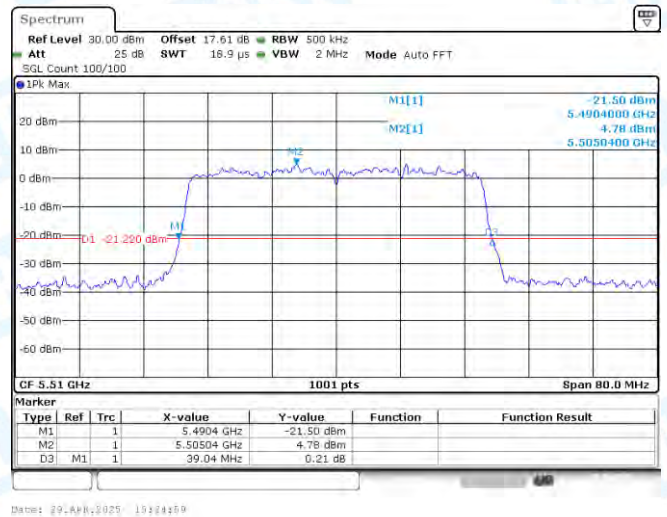
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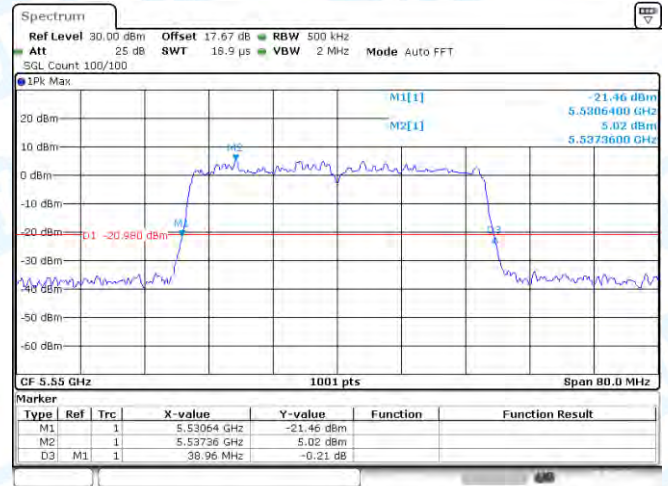
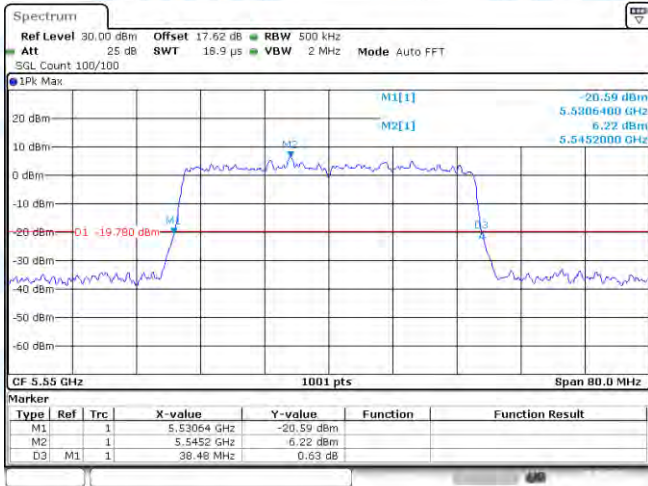
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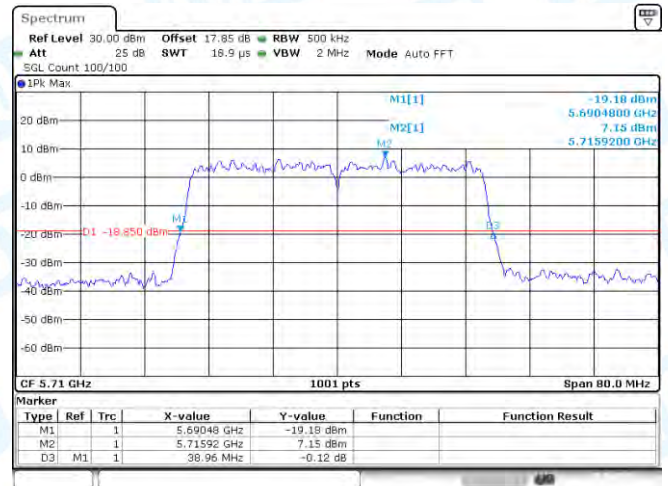
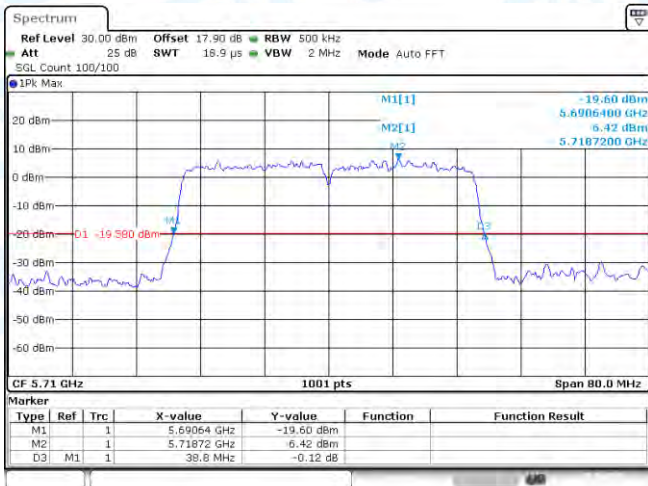


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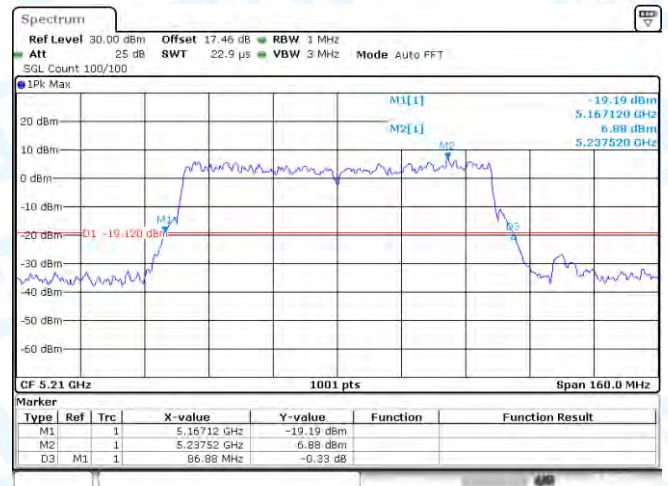
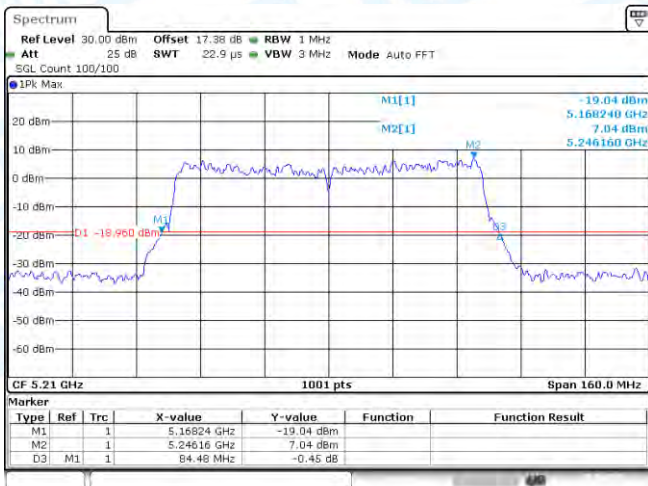
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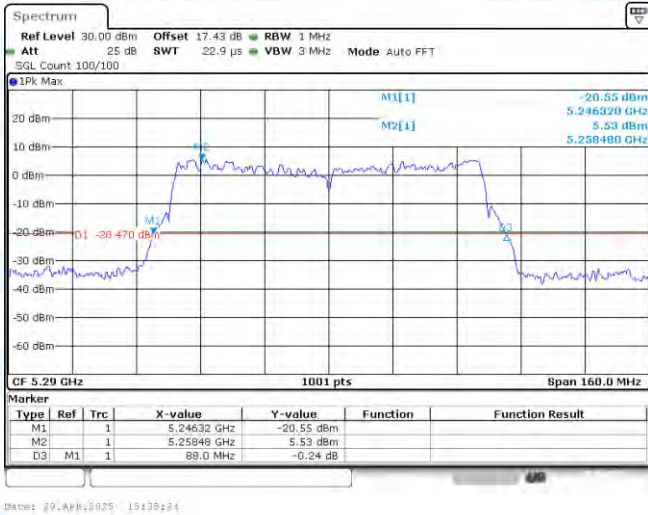
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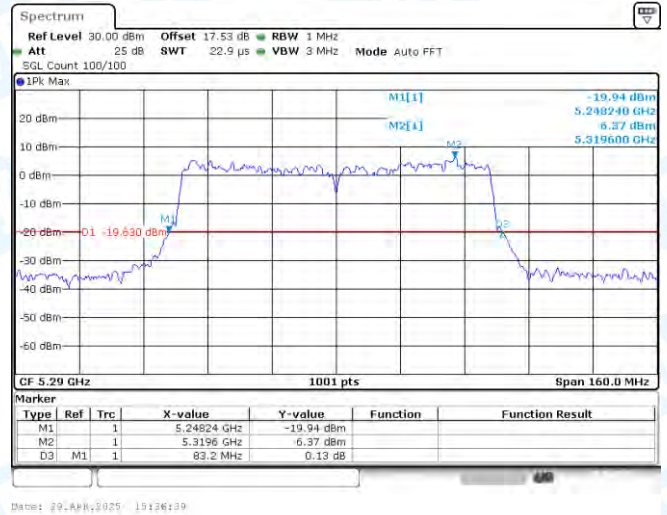


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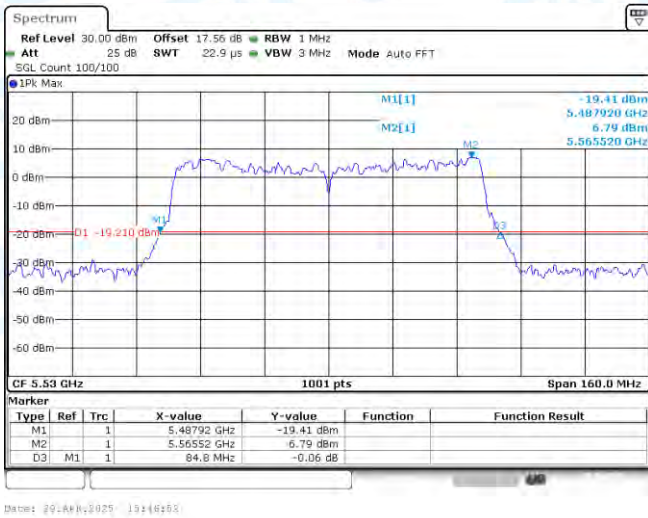
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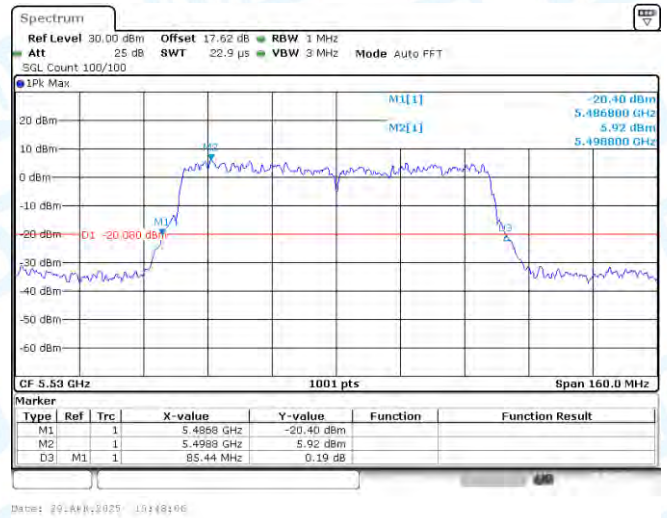
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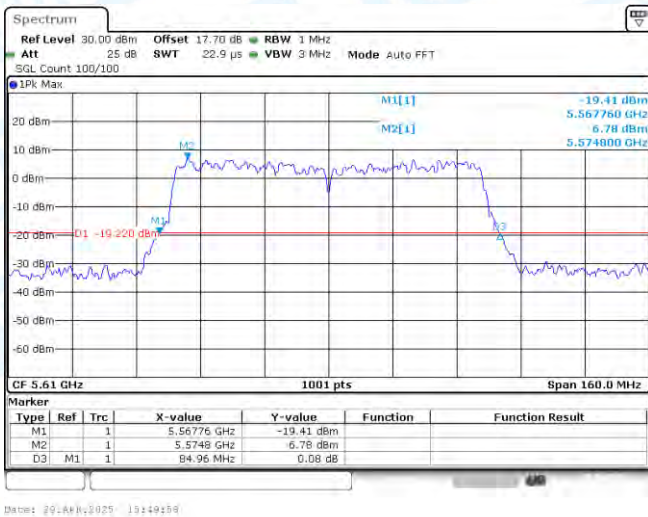
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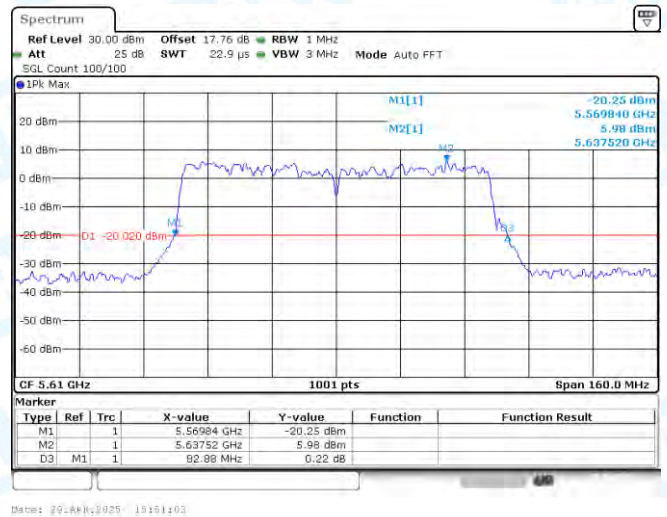
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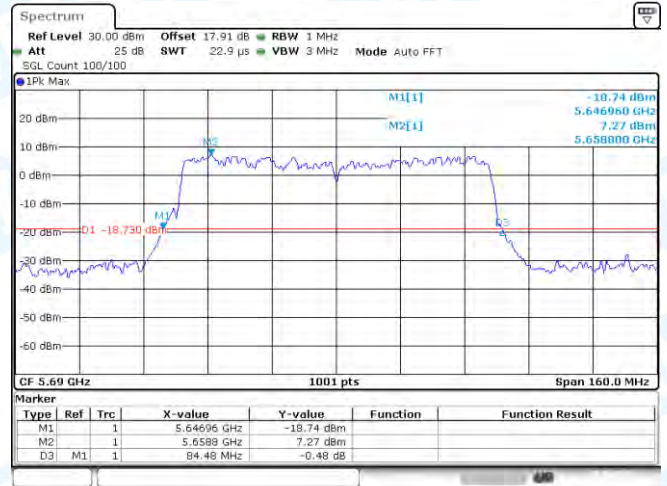
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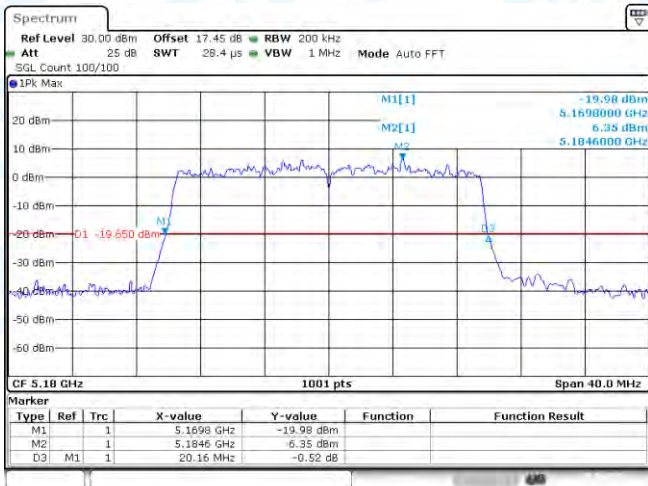
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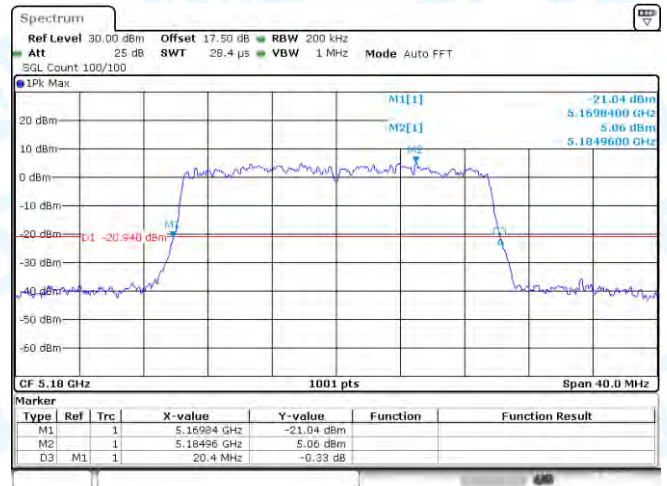
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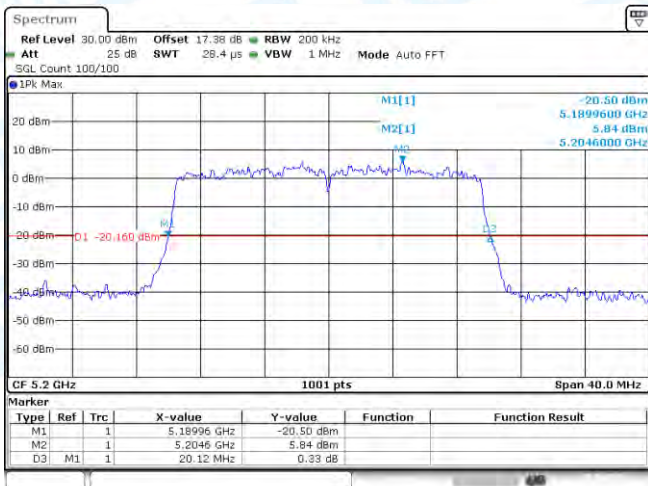
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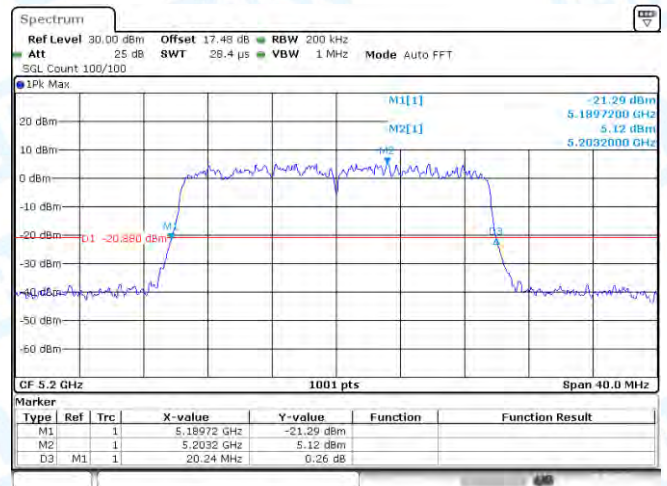
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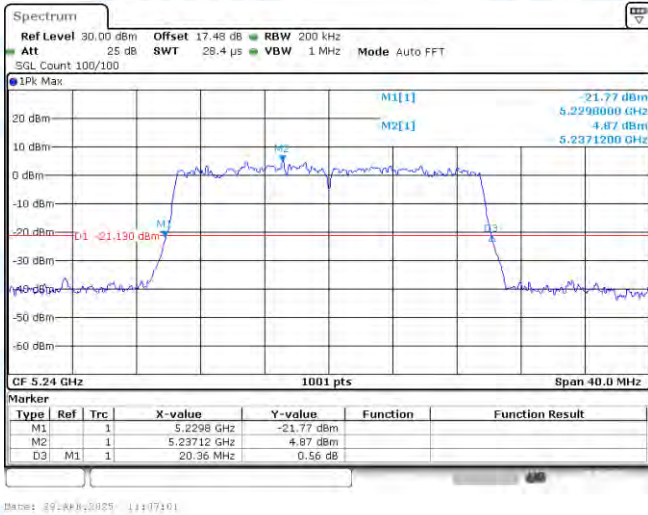
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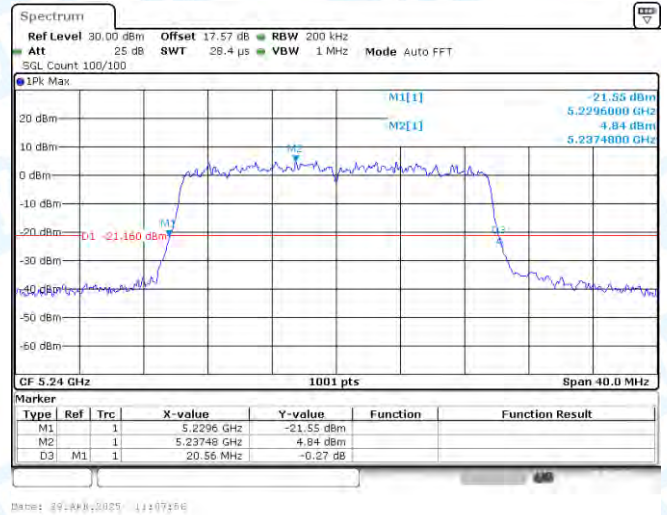
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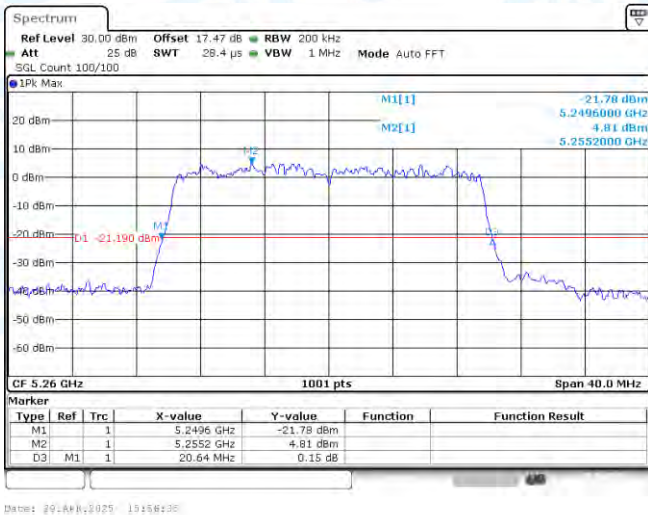
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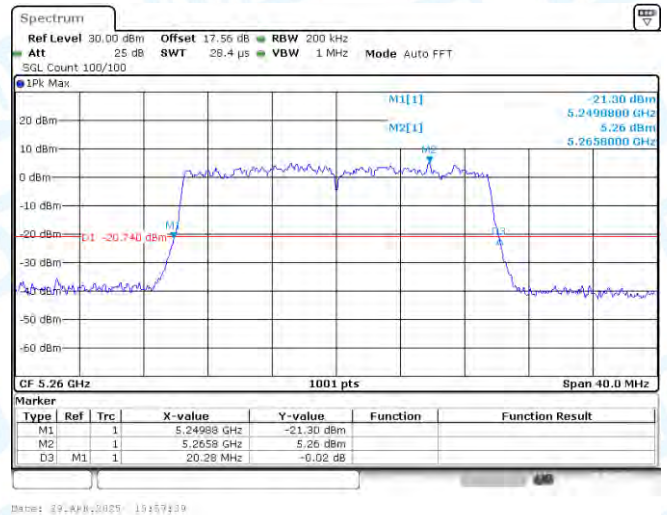
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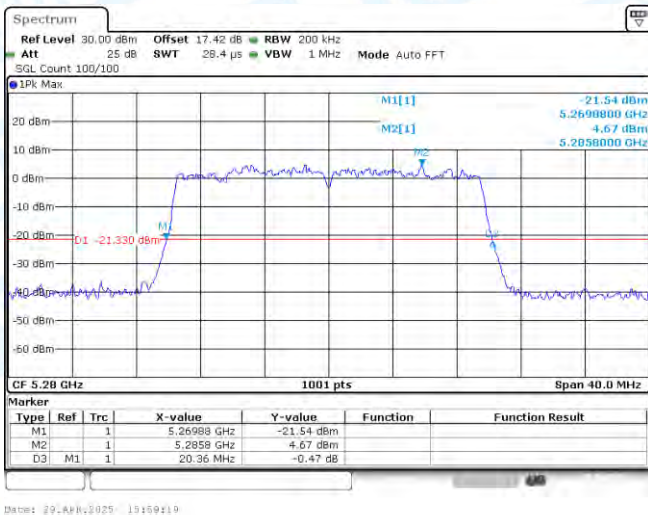
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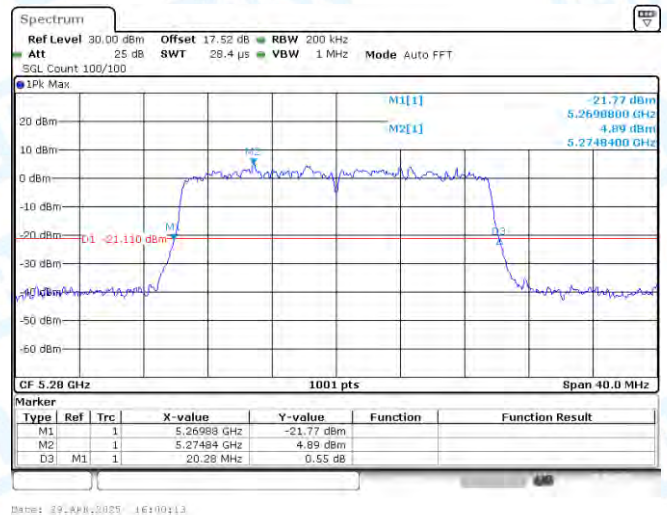
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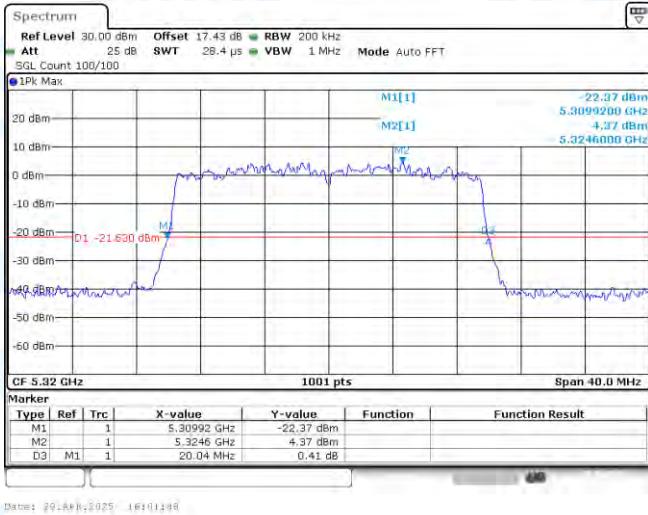
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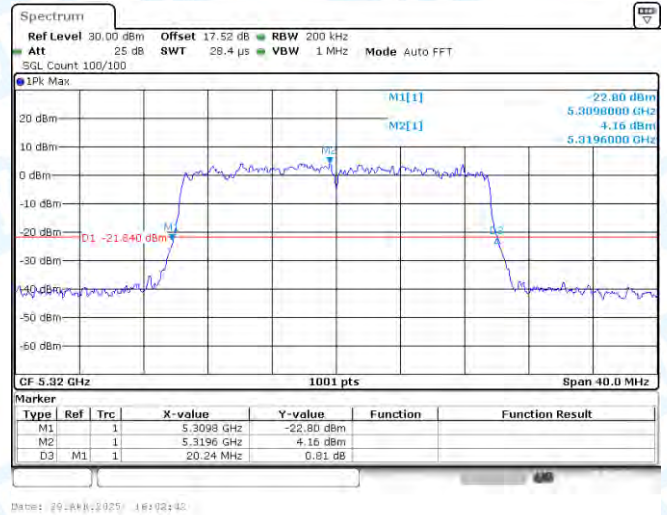
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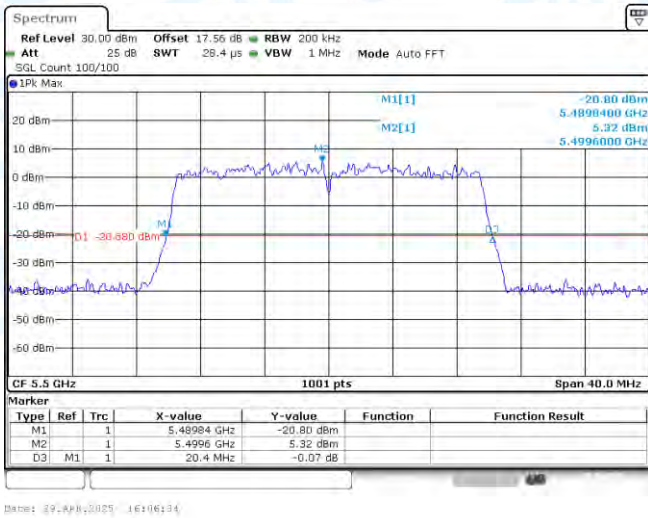
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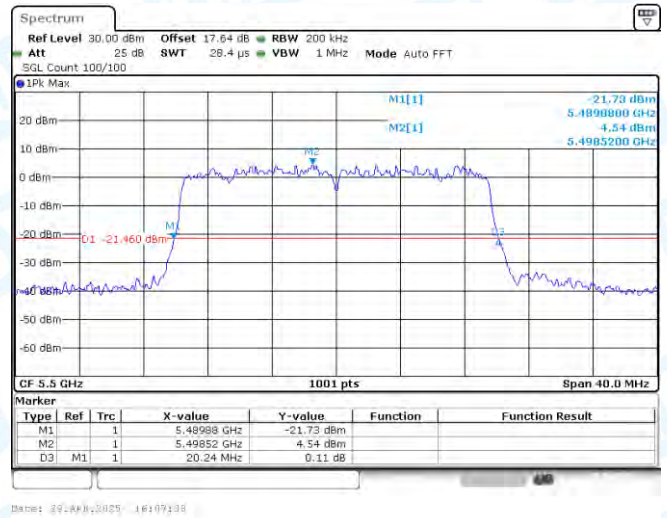
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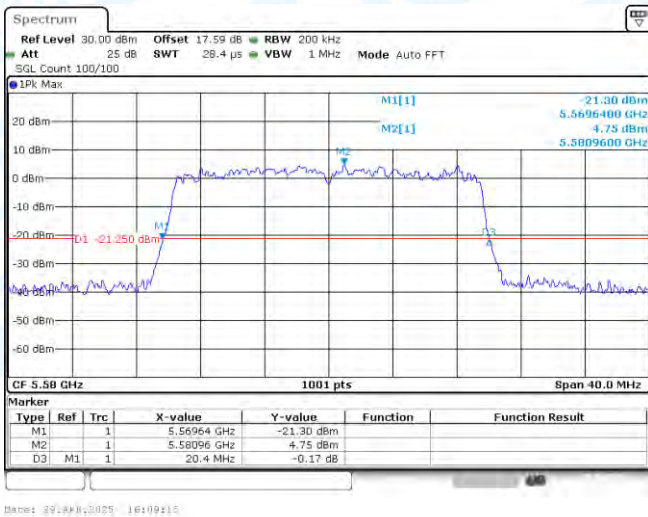
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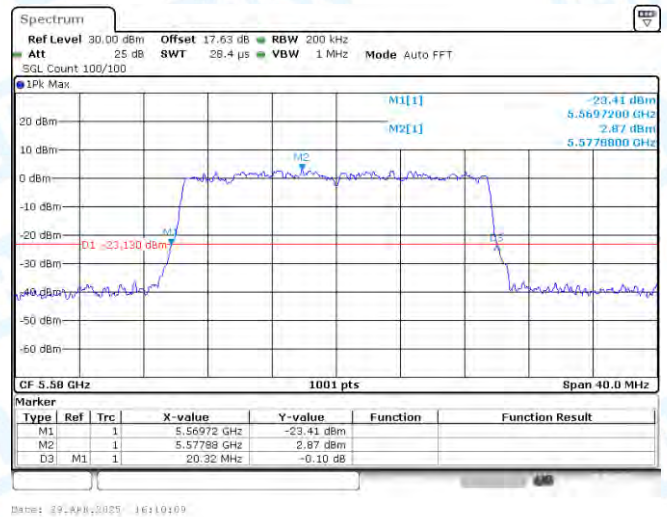
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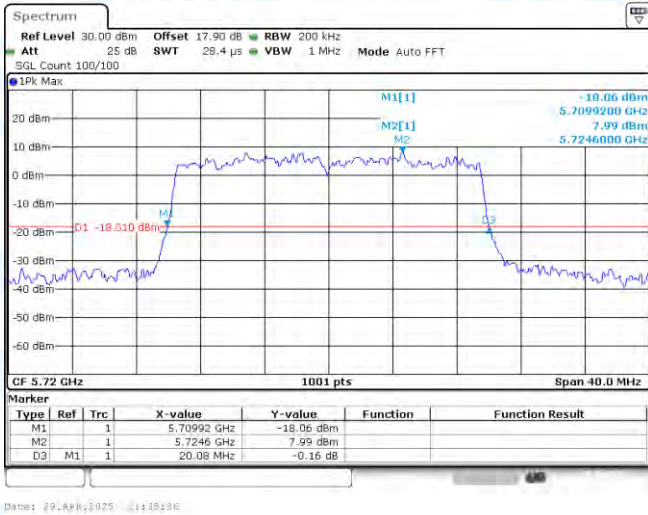
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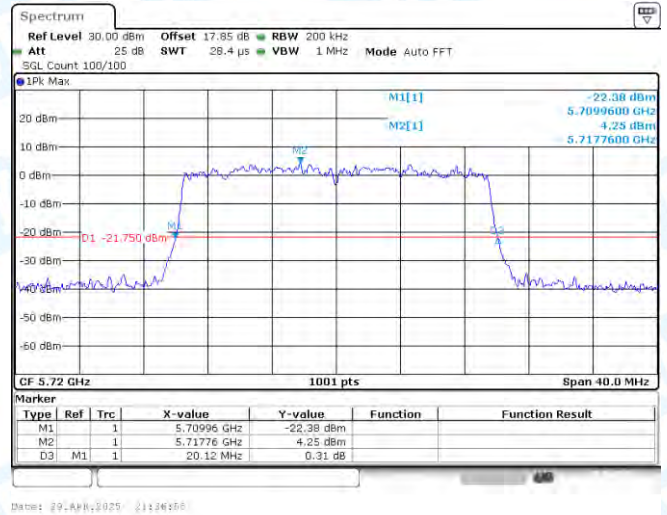
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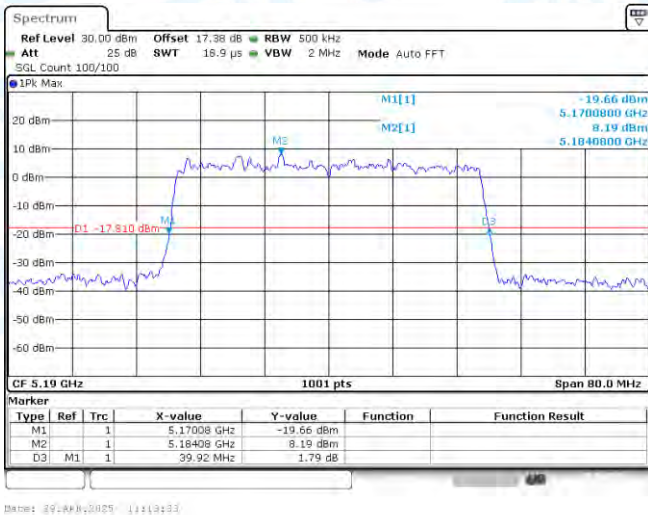
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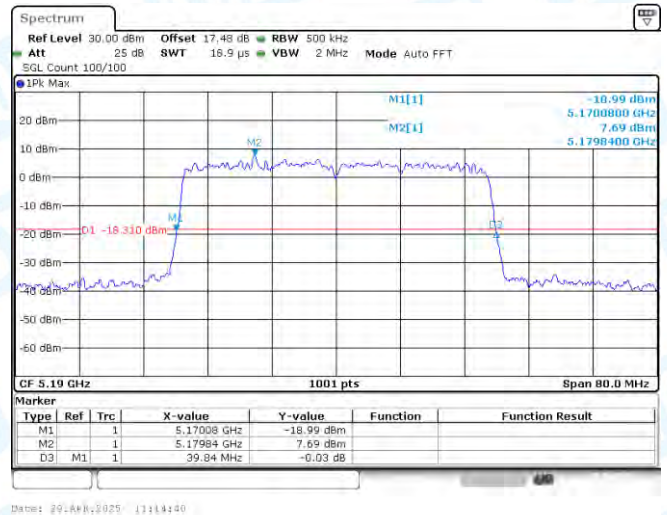
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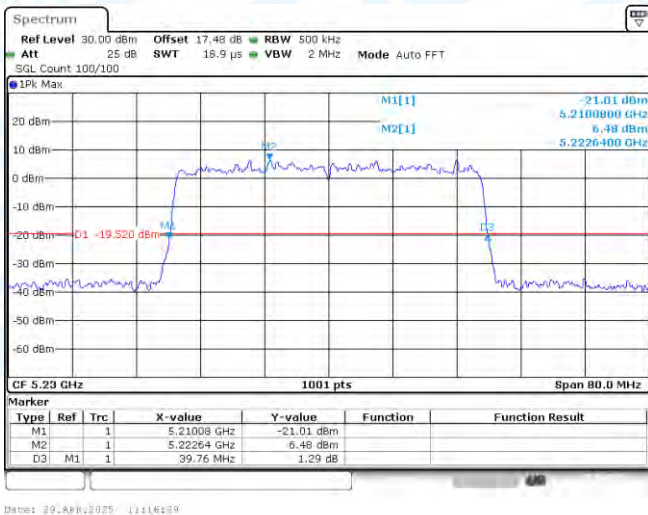
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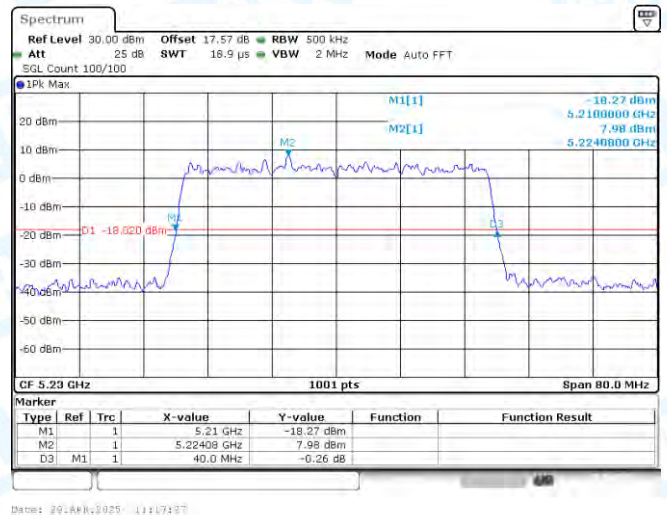
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11AX40-CDD-Ant2-5190



11AX40-CDD-Ant1-5230



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