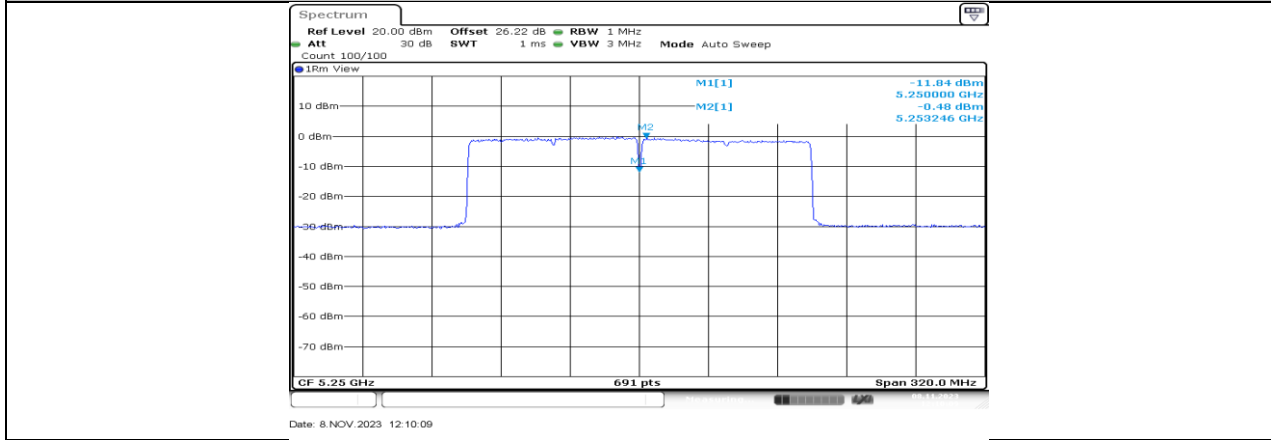
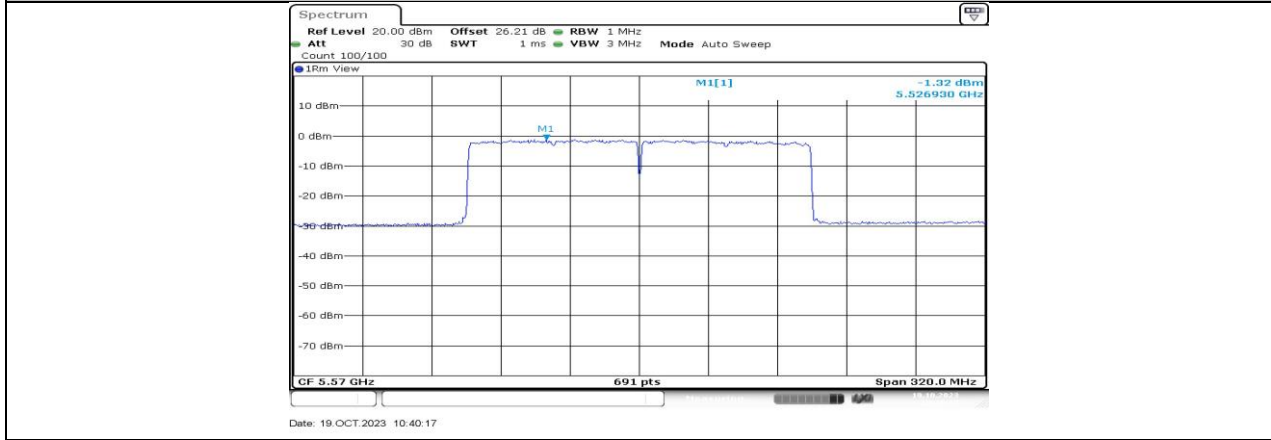


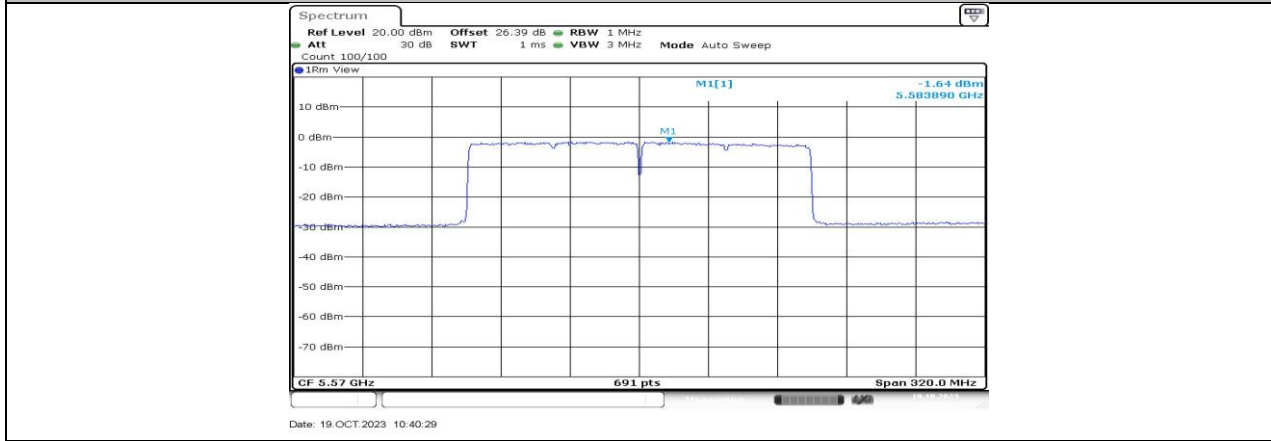
11AX160MIMO_Ant2_5250_UNII-2A



11AX160MIMO_Ant4_5250_UNII-2A



11AX160MIMO_Ant2_5570



11AX160MIMO_Ant4_5570

11.6. APPENDIX G1: DUTY CYCLE

11.6.1. Test Result

Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11A-CDD	1.97	2.14	0.9206	92.06	0.36	0.51	1
11N20MIMO	5.40	5.91	0.9137	91.37	0.39	0.19	1
11N40MIMO	5.40	5.96	0.9060	90.60	0.43	0.19	1
11AC80MIMO	5.40	5.89	0.9168	91.68	0.38	0.19	1
11AC160MIMO	5.40	5.93	0.9106	91.06	0.41	0.19	1
11AX20MIMO	5.43	5.93	0.9157	91.57	0.38	0.18	1
11AX40MIMO	5.42	5.88	0.9218	92.18	0.35	0.18	1
11AX80MIMO	5.42	5.89	0.9202	92.02	0.36	0.18	1
11AX160MIMO	5.42	5.94	0.9125	91.25	0.40	0.18	1

Note:

Duty Cycle Correction Factor= $10\log(1/x)$.

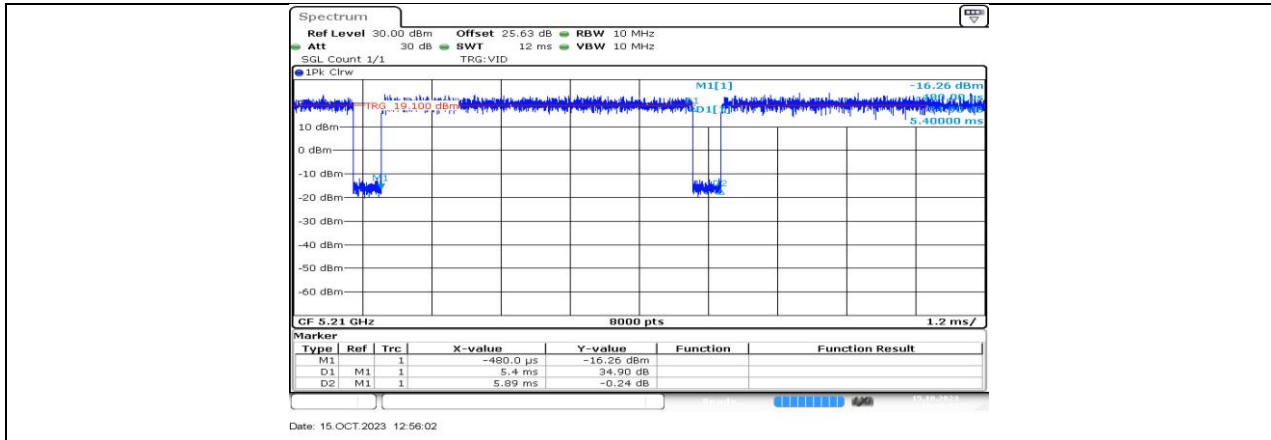
Where: x is Duty Cycle (Linear)

Where: T is On Time

If that calculated VBW is not available on the analyzer then the next higher value should be used.

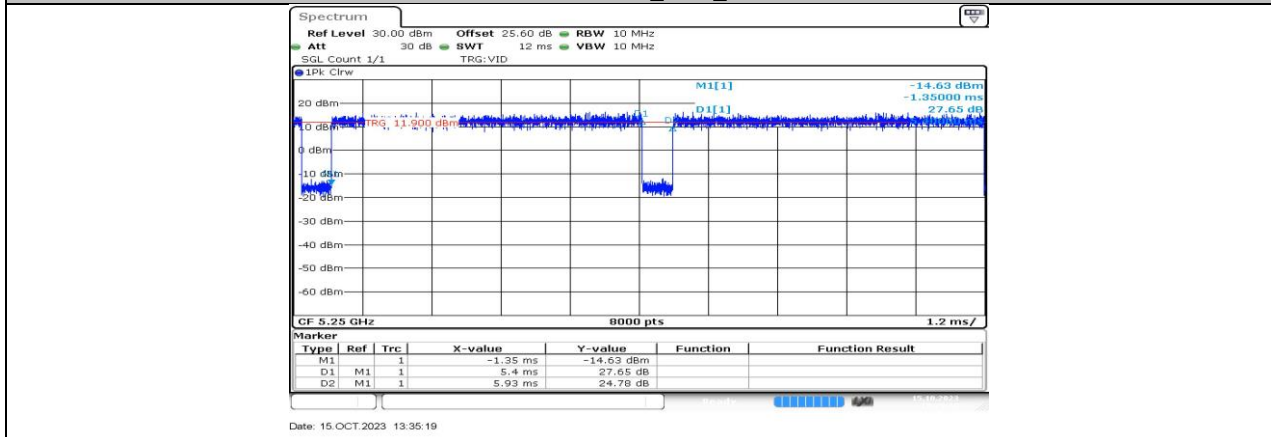
11.6.2. Test Graphs





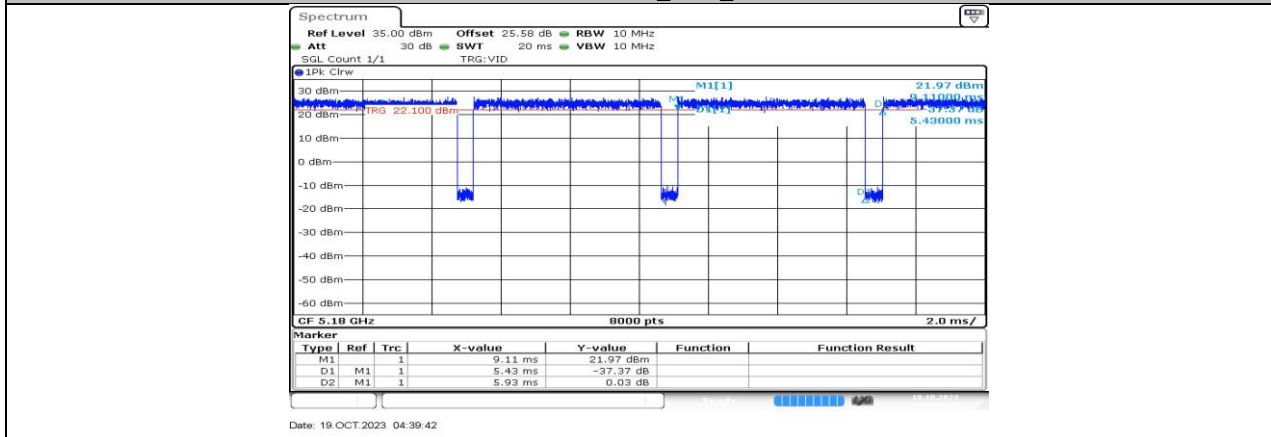
Date: 15.OCT.2023 12:56:02

11AC80MIMO_Ant2_5210



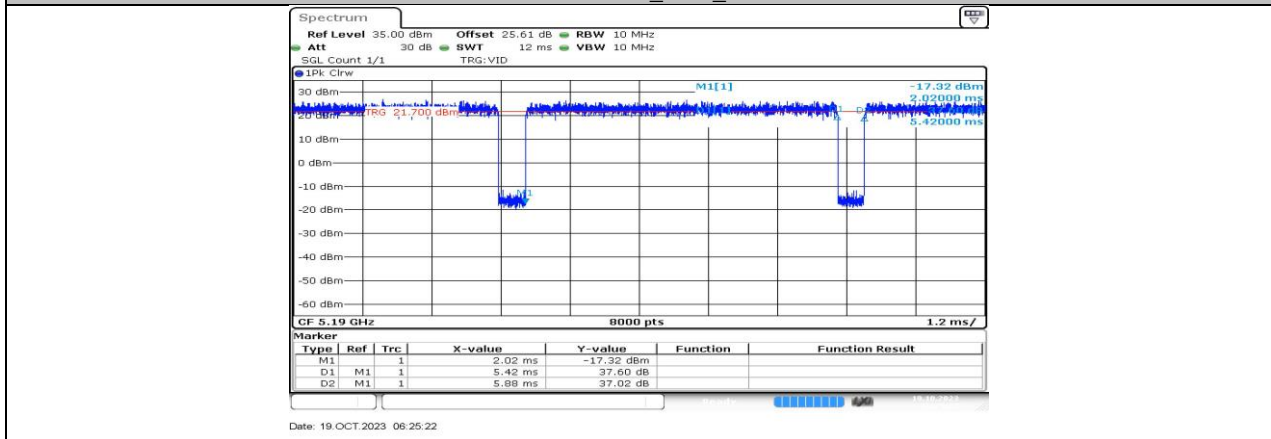
Date: 15.OCT.2023 13:35:19

11AC160MIMO_Ant2_5250

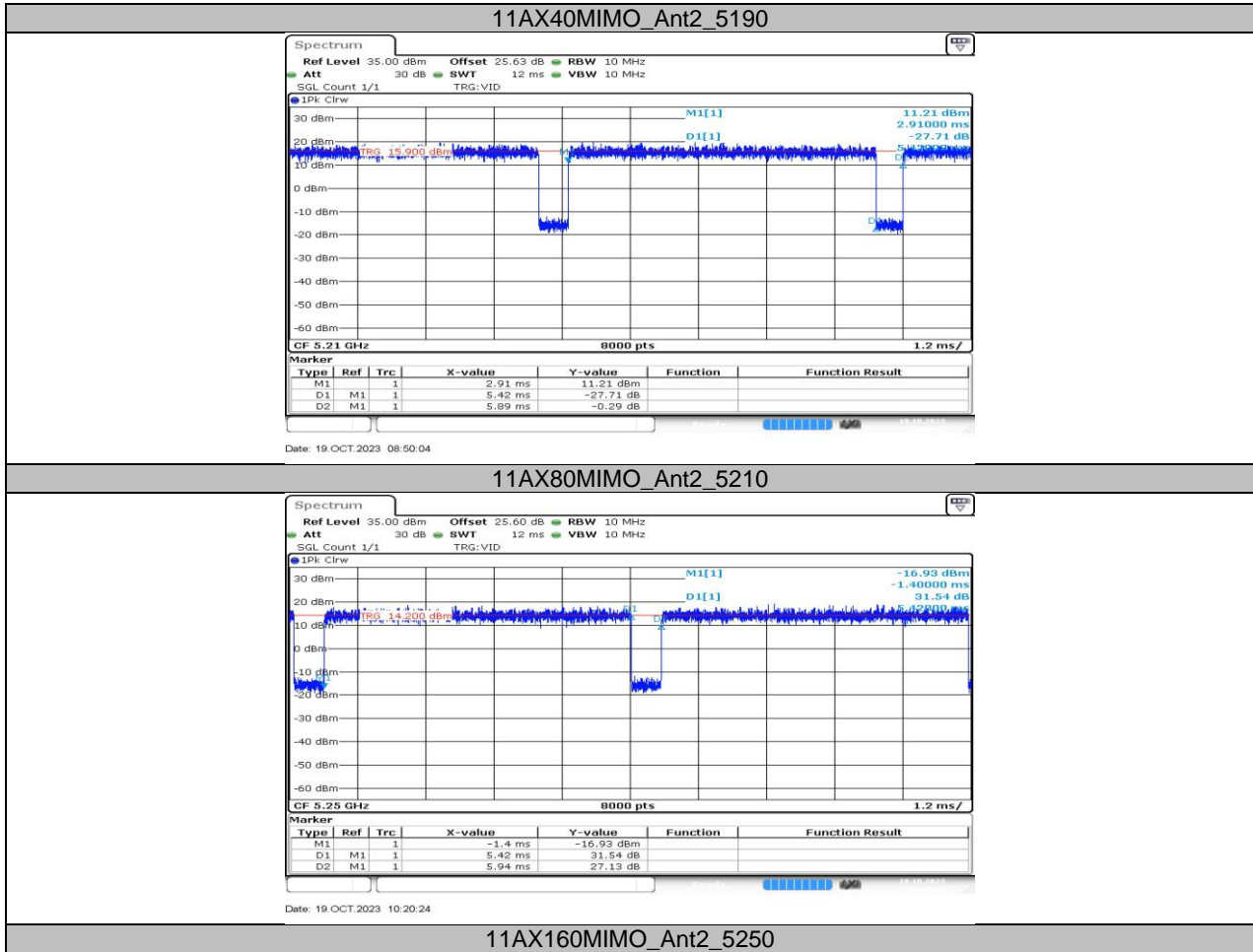


Date: 19.OCT.2023 04:39:42

11AX20MIMO_Ant2_5180



Date: 19.OCT.2023 08:25:22



12. TEST DATA FOR FCC

12.1. APPENDIX A2: EMISSION BANDWIDTH

12.1.1. Test Result

Test Mode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Verdict
11A-CDD	Ant2	5180	23.52	5169.04	5192.56	PASS
	Ant4	5180	22.32	5167.60	5189.92	PASS
	Ant2	5200	23.88	5187.56	5211.44	PASS
	Ant4	5200	24.20	5188.36	5212.56	PASS
	Ant2	5240	23.00	5227.60	5250.60	PASS
	Ant4	5240	22.44	5229.08	5251.52	PASS
	Ant2	5260	19.84	5250.04	5269.88	PASS
	Ant4	5260	20.00	5249.92	5269.92	PASS
	Ant2	5280	20.92	5269.12	5290.04	PASS
	Ant4	5280	21.76	5269.12	5290.88	PASS
	Ant2	5320	20.04	5309.92	5329.96	PASS
	Ant4	5320	21.36	5309.20	5330.56	PASS
	Ant2	5500	19.88	5490.04	5509.92	PASS
	Ant4	5500	19.92	5489.76	5509.68	PASS
	Ant2	5580	20.16	5569.92	5590.08	PASS
	Ant4	5580	20.16	5569.72	5589.88	PASS
	Ant2	5700	20.52	5689.64	5710.16	PASS
	Ant4	5700	21.52	5689.12	5710.64	PASS
	Ant2	5720	19.88	5710.04	5729.92	PASS
	Ant4	5720	20.60	5709.96	5730.56	PASS
	Ant2	5720_UNII-2C	14.96	5710.04	5725	PASS
	Ant4	5720_UNII-2C	15.04	5709.96	5725	PASS
	Ant2	5720_UNII-3	4.92	5725	5729.92	PASS
	Ant4	5720_UNII-3	5.56	5725	5730.56	PASS
	Ant2	5745	20.52	5734.52	5755.04	PASS
	Ant4	5745	20.76	5734.84	5755.60	PASS
	Ant2	5785	21.52	5774.12	5795.64	PASS
	Ant4	5785	21.08	5774.16	5795.24	PASS
	Ant2	5825	20.48	5815.16	5835.64	PASS
	Ant4	5825	20.80	5814.20	5835.00	PASS
11N20MIMO	Ant2	5180	21.00	5169.40	5190.40	PASS
	Ant4	5180	22.72	5168.52	5191.24	PASS
	Ant2	5200	20.92	5189.44	5210.36	PASS
	Ant4	5200	21.04	5189.44	5210.48	PASS
	Ant2	5240	20.36	5229.76	5250.12	PASS
	Ant4	5240	21.08	5229.36	5250.44	PASS
	Ant2	5260	21.76	5248.92	5270.68	PASS
	Ant4	5260	21.28	5249.24	5270.52	PASS
	Ant2	5280	20.96	5269.28	5290.24	PASS
	Ant4	5280	21.40	5269.16	5290.56	PASS
	Ant2	5320	21.36	5309.16	5330.52	PASS
	Ant4	5320	21.00	5309.48	5330.48	PASS
	Ant2	5500	21.32	5489.28	5510.60	PASS
	Ant4	5500	21.32	5489.20	5510.52	PASS
	Ant2	5580	21.32	5569.12	5590.44	PASS
	Ant4	5580	21.32	5569.20	5590.52	PASS
	Ant2	5700	20.84	5689.60	5710.44	PASS
	Ant4	5700	21.16	5689.20	5710.36	PASS
	Ant2	5720	21.16	5709.40	5730.56	PASS
	Ant4	5720	21.76	5709.44	5731.20	PASS
	Ant2	5720_UNII-2C	15.6	5709.40	5725	PASS
	Ant4	5720_UNII-2C	15.56	5709.44	5725	PASS
	Ant2	5720_UNII-3	5.56	5725	5730.56	PASS
	Ant4	5720_UNII-3	6.2	5725	5731.20	PASS
Ant2	5745	21.80	5733.64	5755.44	PASS	

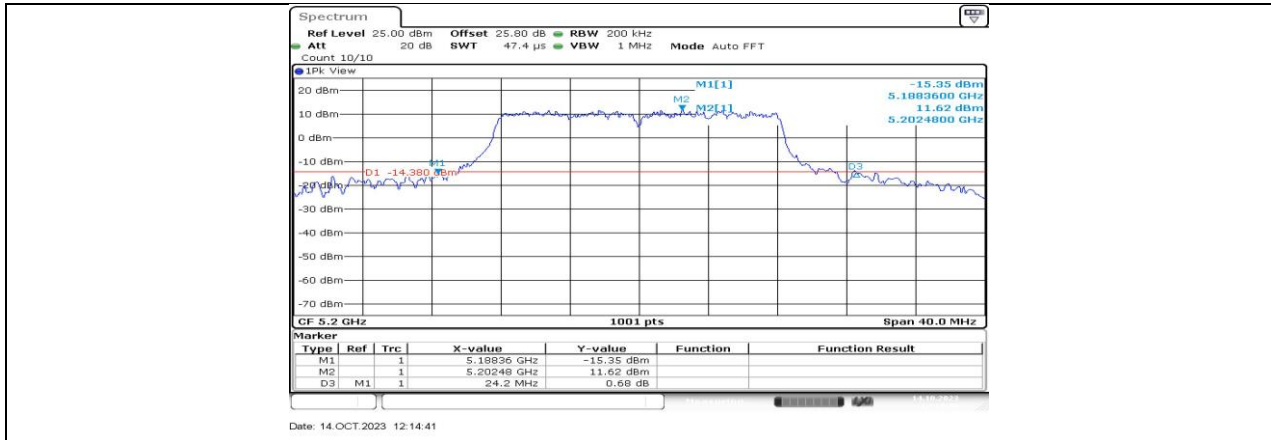
	Ant4	5745	21.60	5734.12	5755.72	PASS
	Ant2	5785	20.96	5774.36	5795.32	PASS
	Ant4	5785	21.36	5774.16	5795.52	PASS
	Ant2	5825	21.44	5814.12	5835.56	PASS
	Ant4	5825	21.68	5813.88	5835.56	PASS
11N40MIMO	Ant2	5190	44.32	5167.92	5212.24	PASS
	Ant4	5190	44.64	5167.52	5212.16	PASS
	Ant2	5230	44.40	5208.00	5252.40	PASS
	Ant4	5230	44.48	5207.84	5252.32	PASS
	Ant2	5270	44.56	5248.08	5292.64	PASS
	Ant4	5270	44.56	5247.52	5292.08	PASS
	Ant2	5310	45.12	5287.68	5332.80	PASS
	Ant4	5310	44.64	5287.60	5332.24	PASS
	Ant2	5510	44.32	5488.16	5532.48	PASS
	Ant4	5510	44.96	5487.60	5532.56	PASS
	Ant2	5550	44.48	5528.00	5572.48	PASS
	Ant4	5550	44.88	5527.44	5572.32	PASS
	Ant2	5670	45.20	5647.28	5692.48	PASS
	Ant4	5670	45.76	5647.44	5693.20	PASS
	Ant2	5710	44.80	5687.60	5732.40	PASS
	Ant4	5710	46.48	5687.44	5733.92	PASS
	Ant2	5710_UNII-2C	37.4	5687.60	5725	PASS
	Ant4	5710_UNII-2C	37.56	5687.44	5725	PASS
	Ant2	5710_UNII-3	7.4	5725	5732.40	PASS
	Ant4	5710_UNII-3	8.92	5725	5733.92	PASS
	Ant2	5755	45.04	5732.84	5777.88	PASS
	Ant4	5755	45.76	5731.96	5777.72	PASS
	Ant2	5795	44.40	5773.00	5817.40	PASS
	Ant4	5795	45.52	5772.12	5817.64	PASS
11AC80MIMO	Ant2	5210	93.28	5164.88	5258.16	PASS
	Ant4	5210	91.84	5163.76	5255.60	PASS
	Ant2	5290	93.44	5244.56	5338.00	PASS
	Ant4	5290	93.60	5243.76	5337.36	PASS
	Ant2	5530	88.96	5485.36	5574.32	PASS
	Ant4	5530	93.76	5483.92	5577.68	PASS
	Ant2	5610	92.80	5561.68	5654.48	PASS
	Ant4	5610	92.00	5563.28	5655.28	PASS
	Ant2	5690	89.44	5645.04	5734.48	PASS
	Ant4	5690	93.92	5643.92	5737.84	PASS
	Ant2	5690_UNII-2C	79.96	5645.04	5725	PASS
	Ant4	5690_UNII-2C	81.08	5643.92	5725	PASS
	Ant2	5690_UNII-3	9.48	5725	5734.48	PASS
	Ant4	5690_UNII-3	12.84	5725	5737.84	PASS
	Ant2	5775	95.36	5730.04	5825.40	PASS
	Ant4	5775	93.28	5727.64	5820.92	PASS
11AC160MIMO	Ant2	5250	172.16	5163.92	5336.08	PASS
	Ant4	5250	173.12	5162.64	5335.76	PASS
	Ant2	5250_UNII-1	86.08	5163.92	5250	PASS
	Ant4	5250_UNII-1	87.36	5162.64	5250	PASS
	Ant2	5250_UNII-2A	86.08	5250	5336.08	PASS
	Ant4	5250_UNII-2A	85.76	5250	5335.76	PASS
	Ant2	5570	169.92	5485.52	5655.44	PASS
Ant4	5570	170.88	5483.92	5654.80	PASS	
11AX20MIMO	Ant2	5180	21.52	5169.24	5190.76	PASS
	Ant4	5180	21.96	5168.92	5190.88	PASS
	Ant2	5200	23.60	5188.12	5211.72	PASS
	Ant4	5200	21.88	5189.00	5210.88	PASS
	Ant2	5240	21.88	5229.16	5251.04	PASS
	Ant4	5240	21.96	5229.00	5250.96	PASS
	Ant2	5260	22.08	5248.96	5271.04	PASS
	Ant4	5260	22.60	5248.68	5271.28	PASS
	Ant2	5280	21.60	5269.24	5290.84	PASS
Ant4	5280	20.92	5269.56	5290.48	PASS	
Ant2	5320	22.00	5308.84	5330.84	PASS	

	Ant4	5320	22.24	5308.76	5331.00	PASS	
	Ant2	5500	21.52	5489.24	5510.76	PASS	
	Ant4	5500	21.56	5489.24	5510.80	PASS	
	Ant2	5580	21.40	5569.24	5590.64	PASS	
	Ant4	5580	21.48	5569.32	5590.80	PASS	
	Ant2	5700	22.00	5689.04	5711.04	PASS	
	Ant4	5700	22.04	5689.16	5711.20	PASS	
	Ant2	5720	21.76	5709.36	5731.12	PASS	
	Ant4	5720	20.92	5709.48	5730.40	PASS	
	Ant2	5720_UNII-2C	15.64	5709.36	5725	PASS	
	Ant4	5720_UNII-2C	15.52	5709.48	5725	PASS	
	Ant2	5720_UNII-3	6.12	5725	5731.12	PASS	
	Ant4	5720_UNII-3	5.4	5725	5730.40	PASS	
	Ant2	5745	22.16	5733.96	5756.12	PASS	
	Ant4	5745	21.56	5734.24	5755.80	PASS	
	Ant2	5785	21.16	5774.36	5795.52	PASS	
	Ant4	5785	21.88	5774.24	5796.12	PASS	
	Ant2	5825	22.08	5813.88	5835.96	PASS	
	Ant4	5825	21.52	5814.04	5835.56	PASS	
11AX40MIMO	Ant2	5190	43.60	5168.08	5211.68	PASS	
	Ant4	5190	43.84	5168.32	5212.16	PASS	
	Ant2	5230	43.84	5208.24	5252.08	PASS	
	Ant4	5230	44.16	5207.84	5252.00	PASS	
	Ant2	5270	43.92	5248.16	5292.08	PASS	
	Ant4	5270	43.60	5247.92	5291.52	PASS	
	Ant2	5310	44.24	5287.92	5332.16	PASS	
	Ant4	5310	45.04	5287.36	5332.40	PASS	
	Ant2	5510	44.40	5487.52	5531.92	PASS	
	Ant4	5510	44.00	5487.60	5531.60	PASS	
	Ant2	5550	43.84	5527.68	5571.52	PASS	
	Ant4	5550	43.36	5528.08	5571.44	PASS	
	Ant2	5670	44.72	5648.00	5692.72	PASS	
	Ant4	5670	43.76	5648.16	5691.92	PASS	
	Ant2	5710	44.40	5687.76	5732.16	PASS	
	Ant4	5710	43.68	5688.08	5731.76	PASS	
	Ant2	5710_UNII-2C	37.24	5687.76	5725	PASS	
	Ant4	5710_UNII-2C	36.92	5688.08	5725	PASS	
	Ant2	5710_UNII-3	7.16	5725	5732.16	PASS	
	Ant4	5710_UNII-3	6.76	5725	5731.76	PASS	
	Ant2	5755	43.92	5732.84	5776.76	PASS	
	Ant4	5755	44.00	5733.08	5777.08	PASS	
	Ant2	5795	44.88	5772.36	5817.24	PASS	
	Ant4	5795	45.92	5771.64	5817.56	PASS	
11AX80MIMO	Ant2	5210	88.32	5165.20	5253.52	PASS	
	Ant4	5210	88.64	5166.00	5254.64	PASS	
	Ant2	5290	86.56	5246.64	5333.20	PASS	
	Ant4	5290	87.36	5245.68	5333.04	PASS	
	Ant2	5530	88.64	5485.84	5574.48	PASS	
	Ant4	5530	89.44	5485.36	5574.80	PASS	
	Ant2	5610	88.96	5565.04	5654.00	PASS	
	Ant4	5610	85.28	5567.44	5652.72	PASS	
	Ant2	5690	89.76	5645.52	5735.28	PASS	
	Ant4	5690	87.36	5646.00	5733.36	PASS	
	Ant2	5690_UNII-2C	79.48	5645.52	5725	PASS	
	Ant4	5690_UNII-2C	79	5646.00	5725	PASS	
	Ant2	5690_UNII-3	10.28	5725	5735.28	PASS	
	Ant4	5690_UNII-3	8.36	5725	5733.36	PASS	
	Ant2	5775	89.12	5731.16	5820.28	PASS	
	Ant4	5775	87.36	5731.96	5819.32	PASS	
	11AX160MIMO	Ant2	5250	173.44	5160.40	5333.84	PASS
		Ant4	5250	169.28	5165.20	5334.48	PASS
Ant2		5250_UNII-1	89.6	5160.40	5250	PASS	
Ant4		5250_UNII-1	84.8	5165.20	5250	PASS	
Ant2		5250_UNII-2A	83.84	5250	5333.84	PASS	

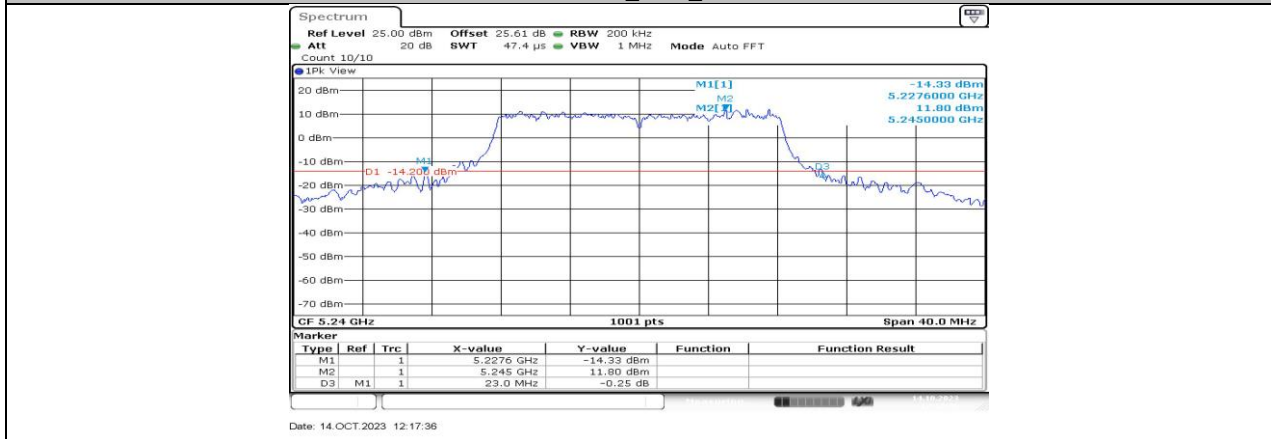
	Ant4	5250_UNII-2A	84.48	5250	5334.48	PASS
	Ant2	5570	173.76	5483.92	5657.68	PASS
	Ant4	5570	169.92	5484.88	5654.80	PASS

12.1.2. Test Graphs

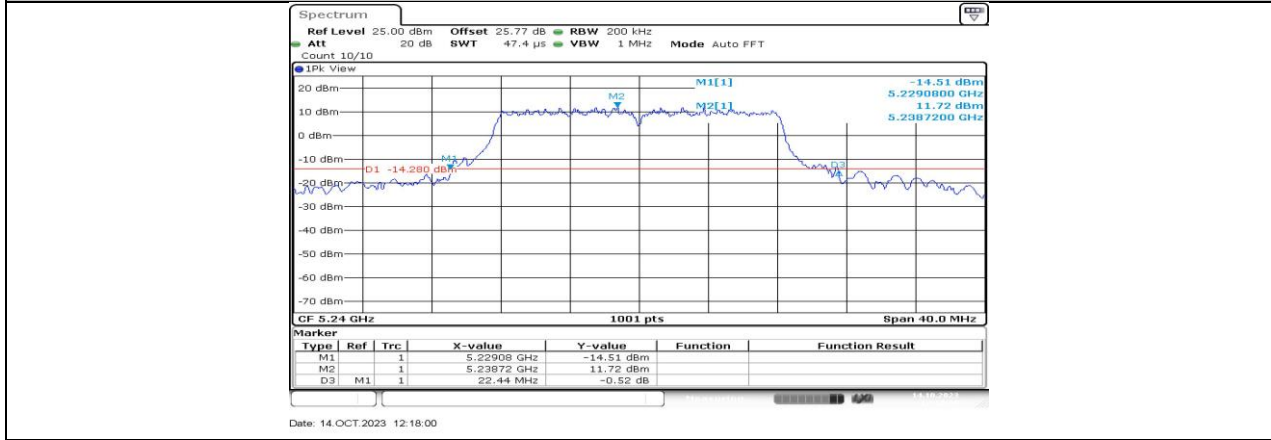




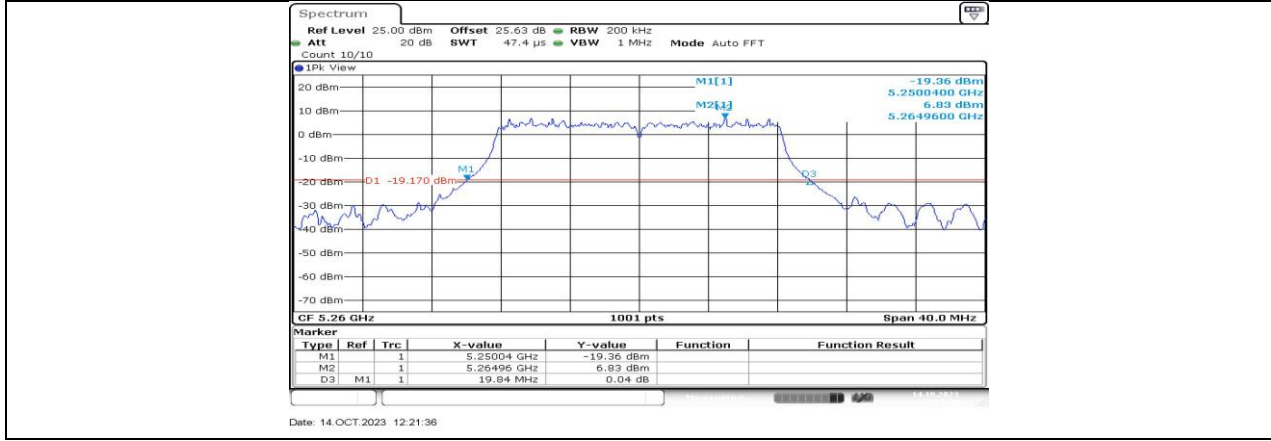
11A-CDD_Ant4_5200

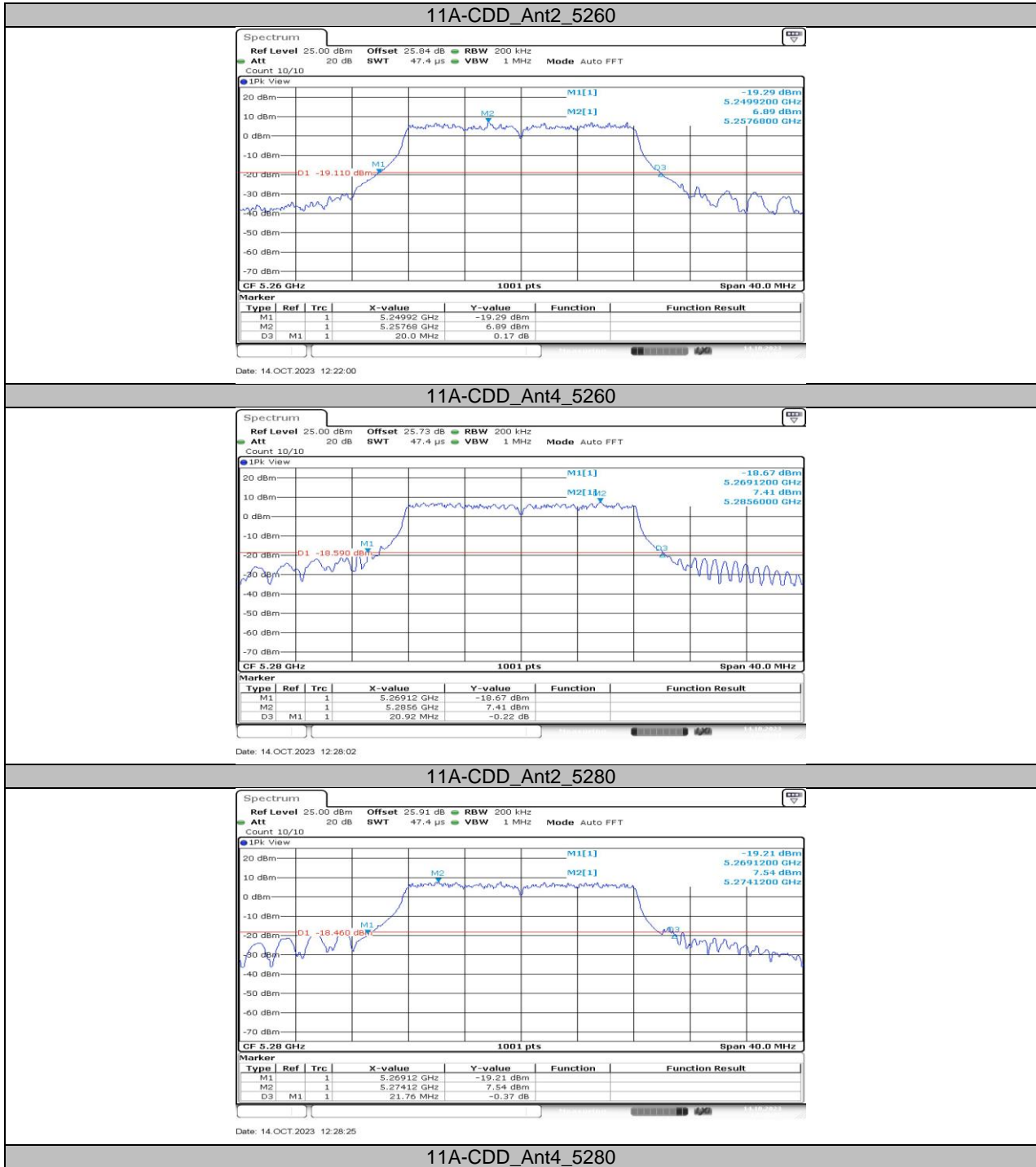


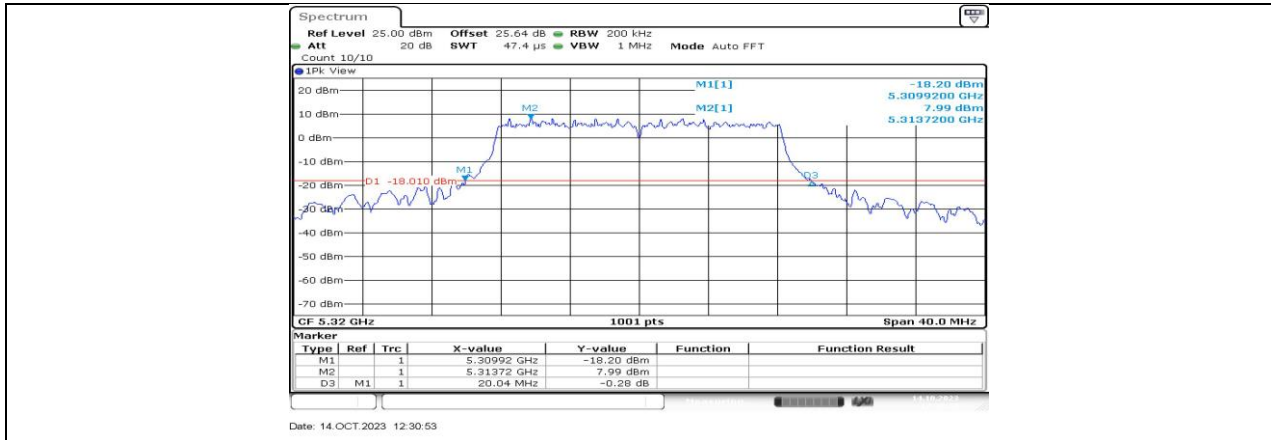
11A-CDD_Ant2_5240



11A-CDD_Ant4_5240

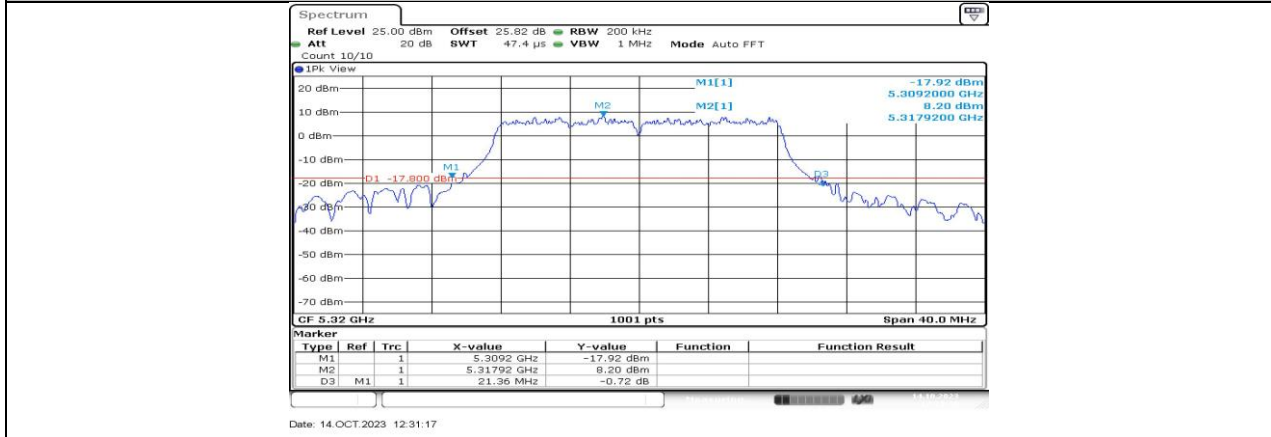






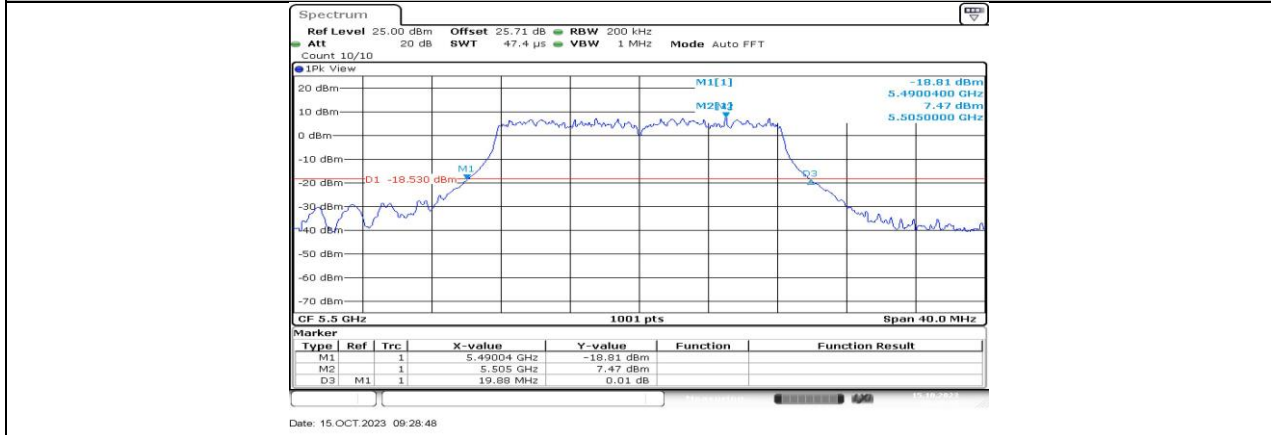
Date: 14.OCT.2023 12:30:53

11A-CDD_Ant2_5320



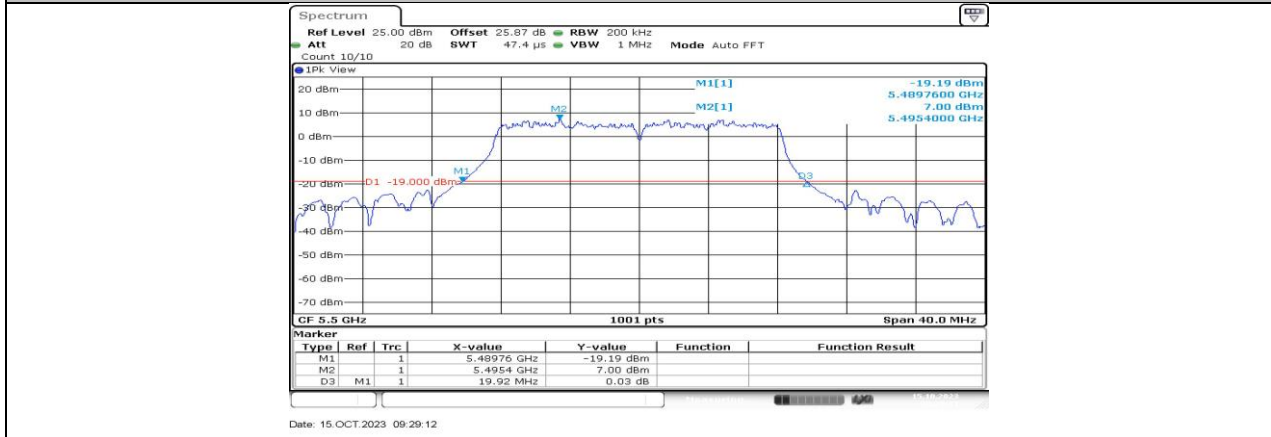
Date: 14.OCT.2023 12:31:17

11A-CDD_Ant4_5320

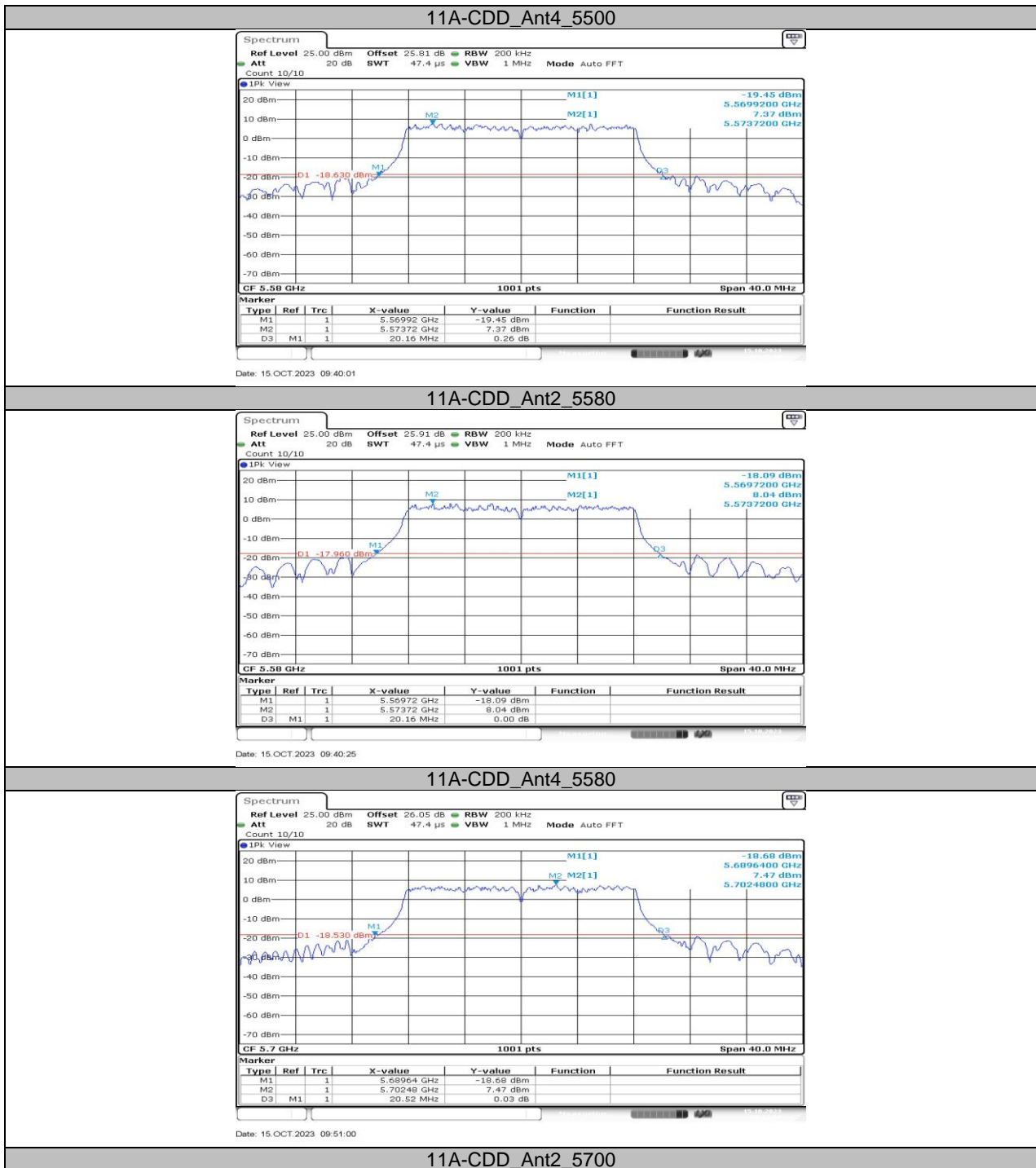


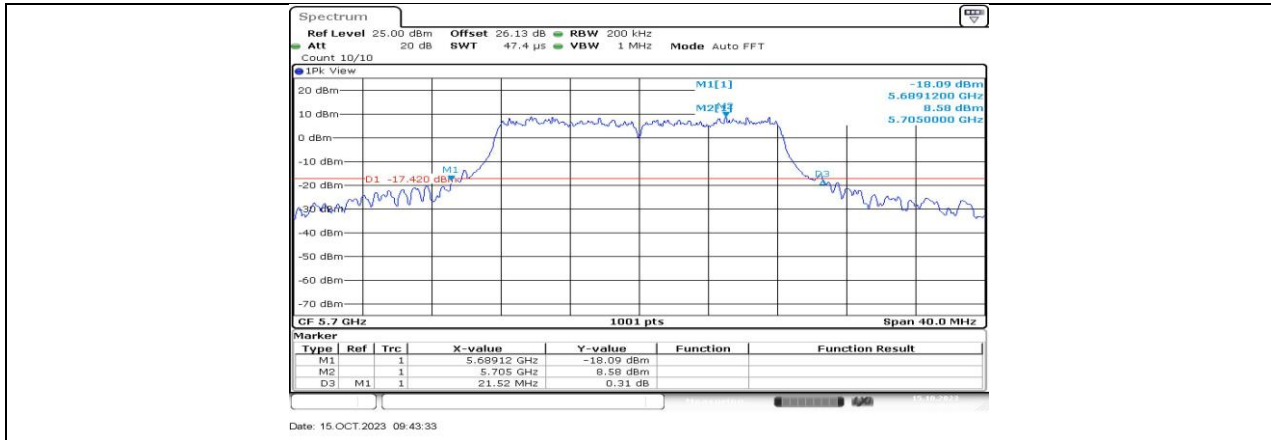
Date: 15.OCT.2023 09:28:48

11A-CDD_Ant2_5500

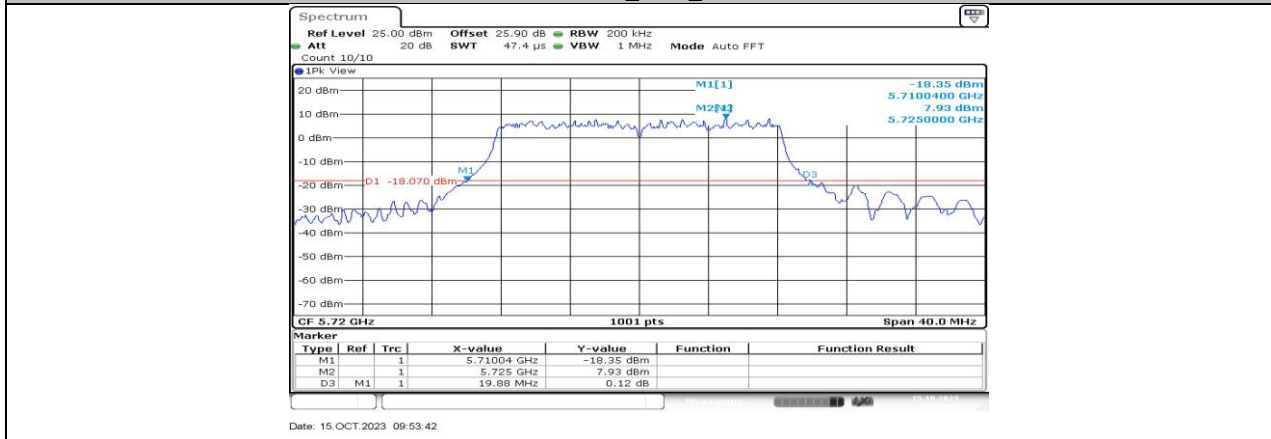


Date: 15.OCT.2023 09:29:12

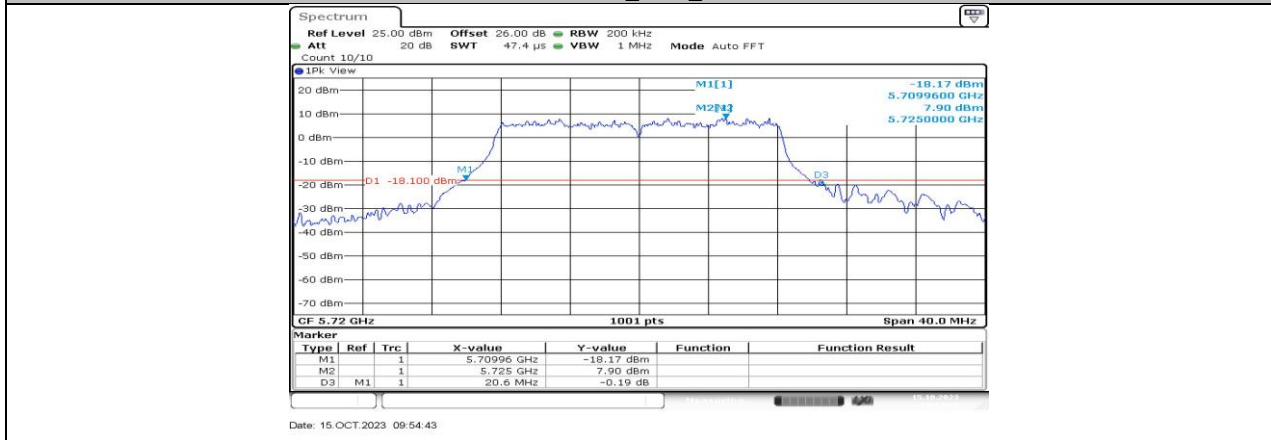




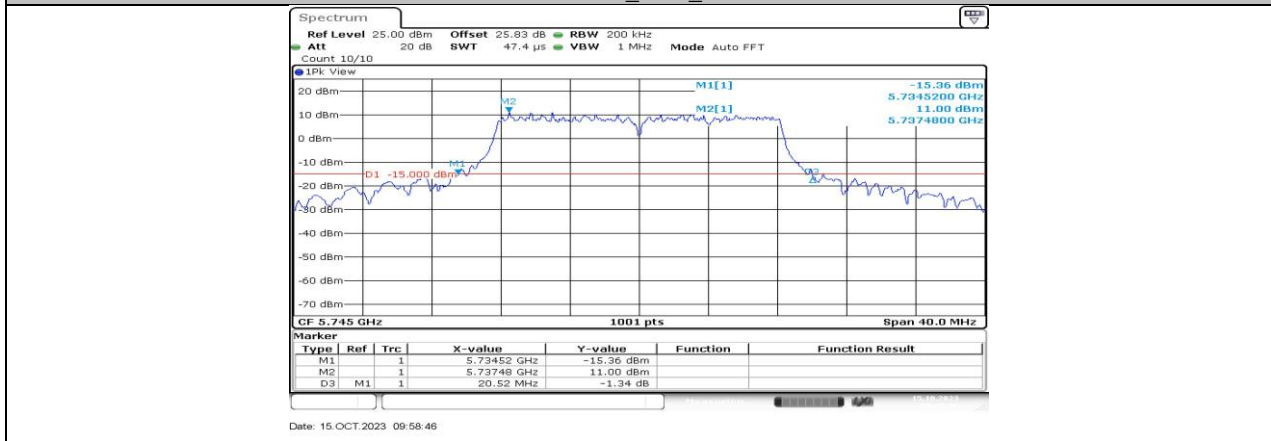
11A-CDD_Ant4_5700

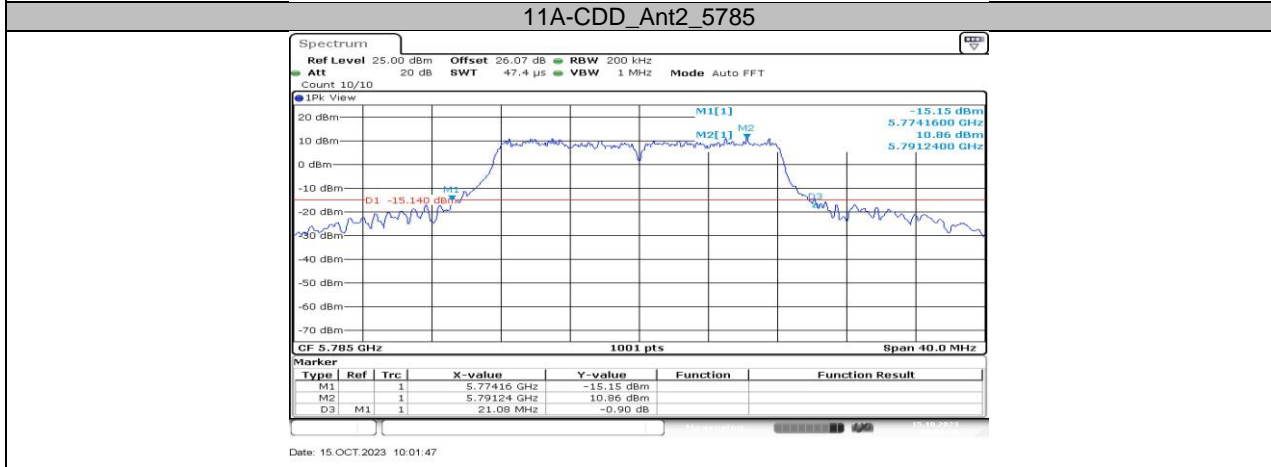
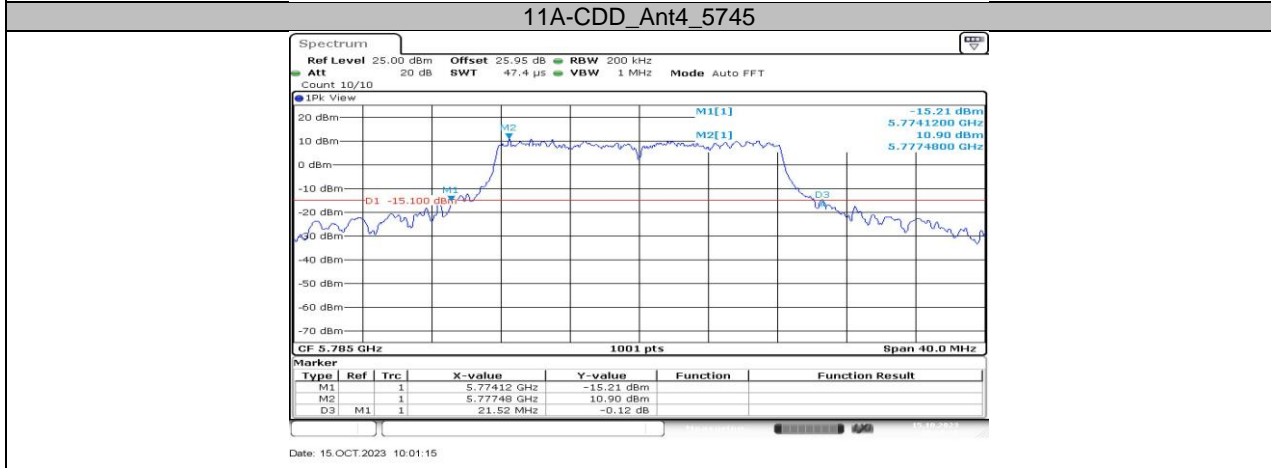
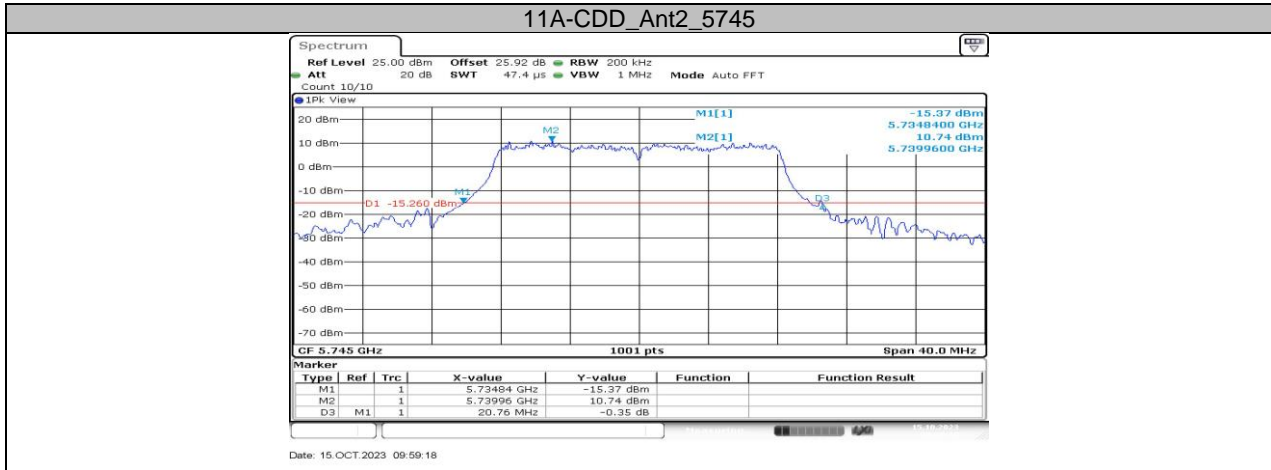


11A-CDD_Ant2_5720

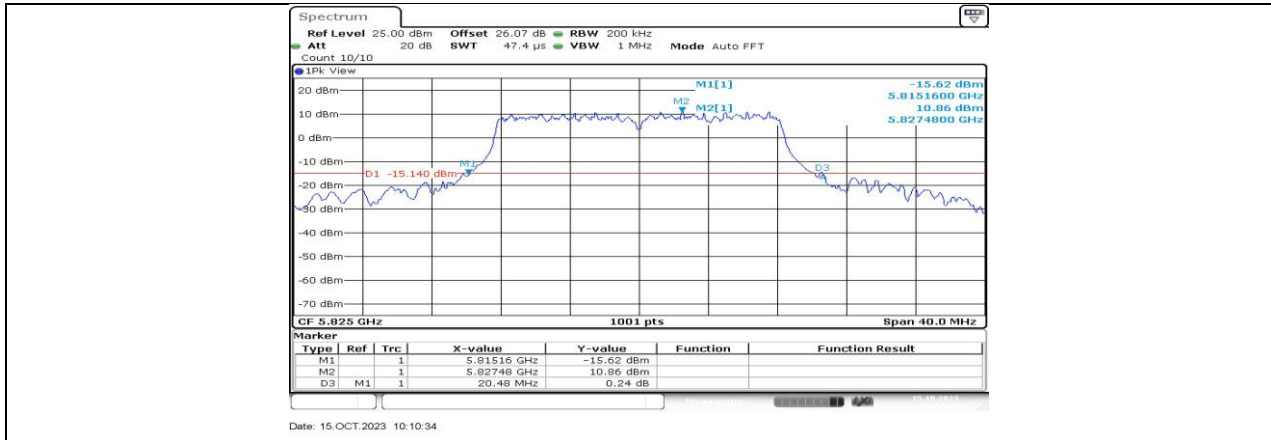


11A-CDD_Ant4_5720

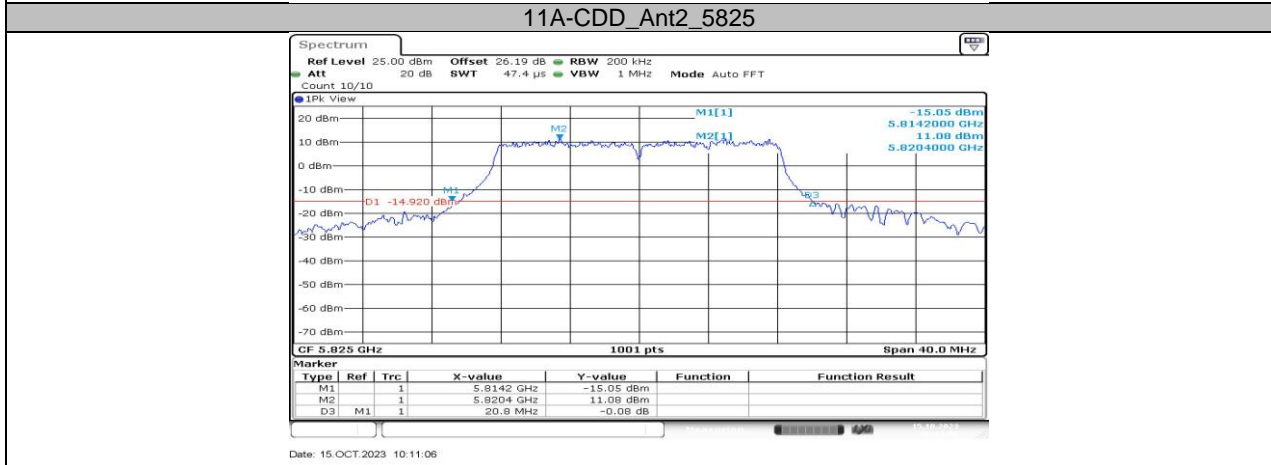




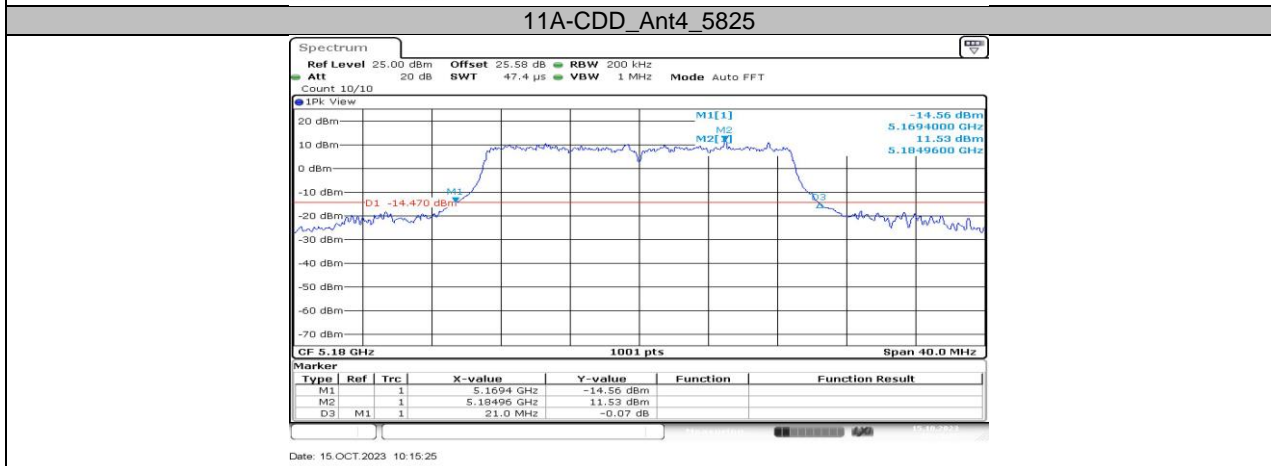
11A-CDD_Ant4_5785



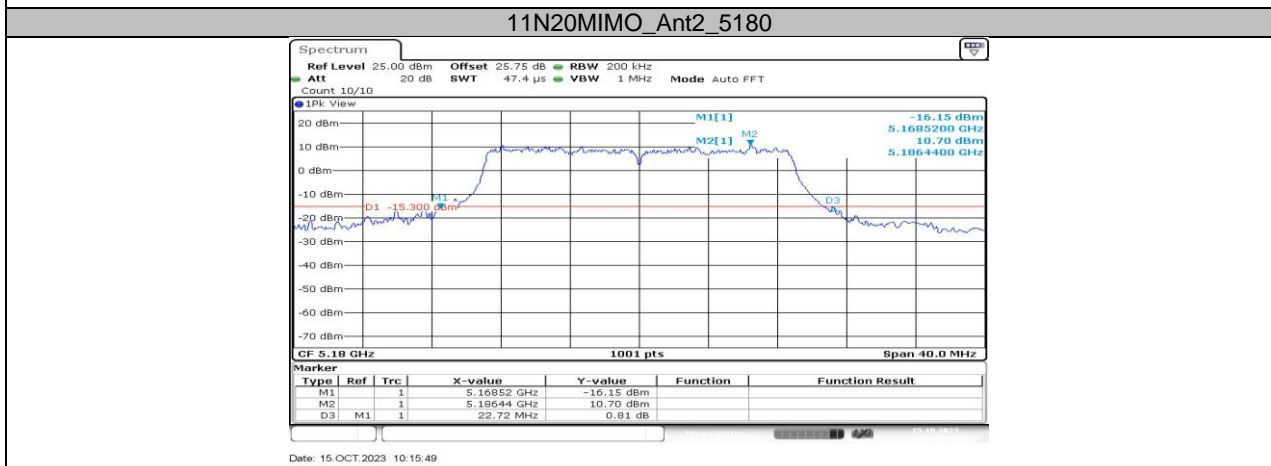
Date: 15.OCT.2023 10:10:34



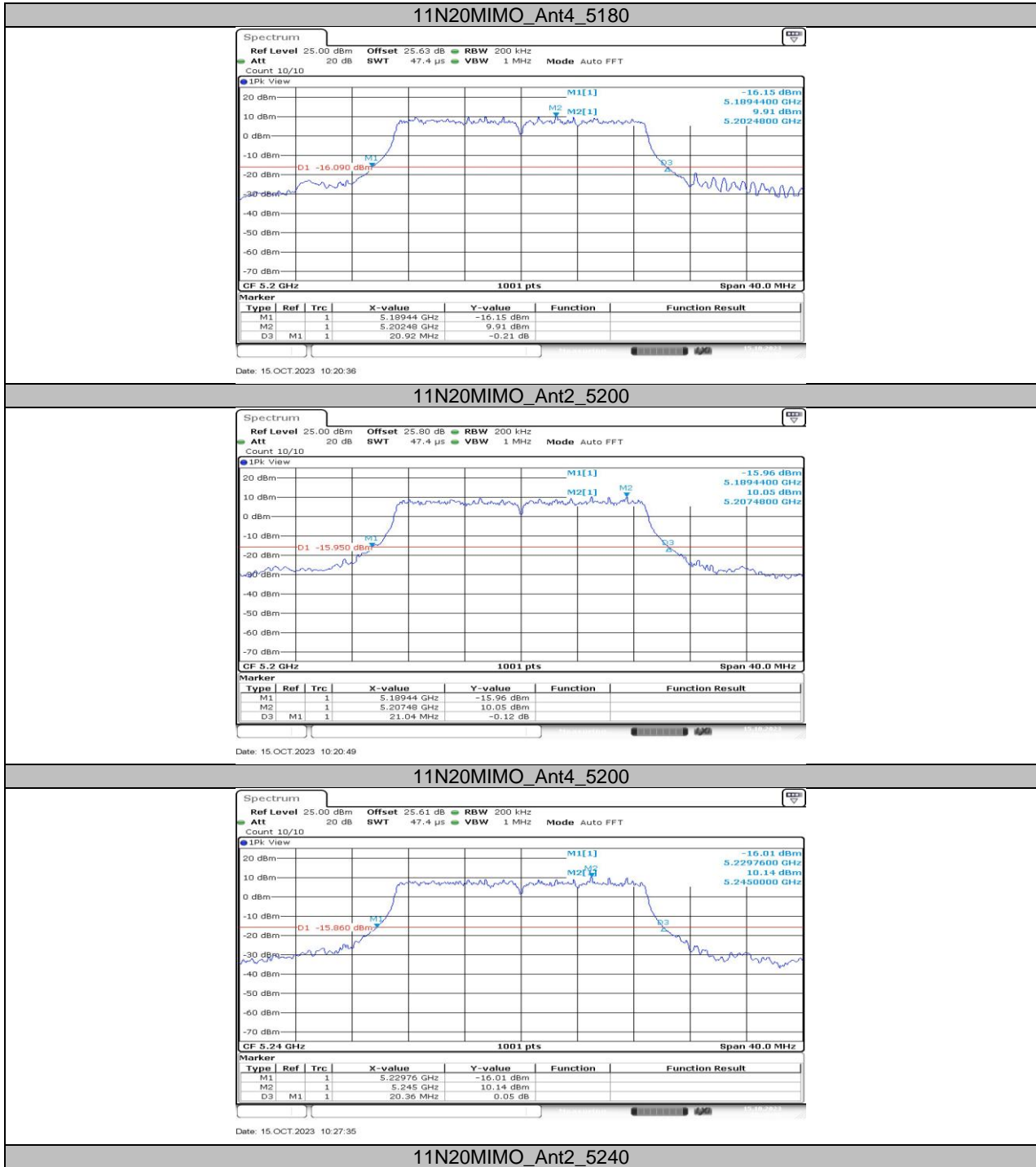
Date: 15.OCT.2023 10:11:06

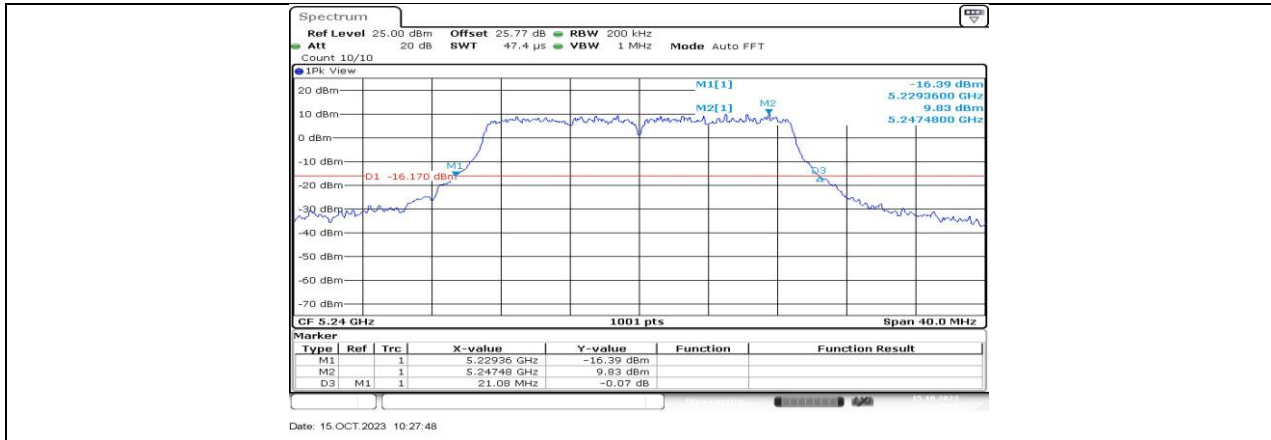


Date: 15.OCT.2023 10:15:25



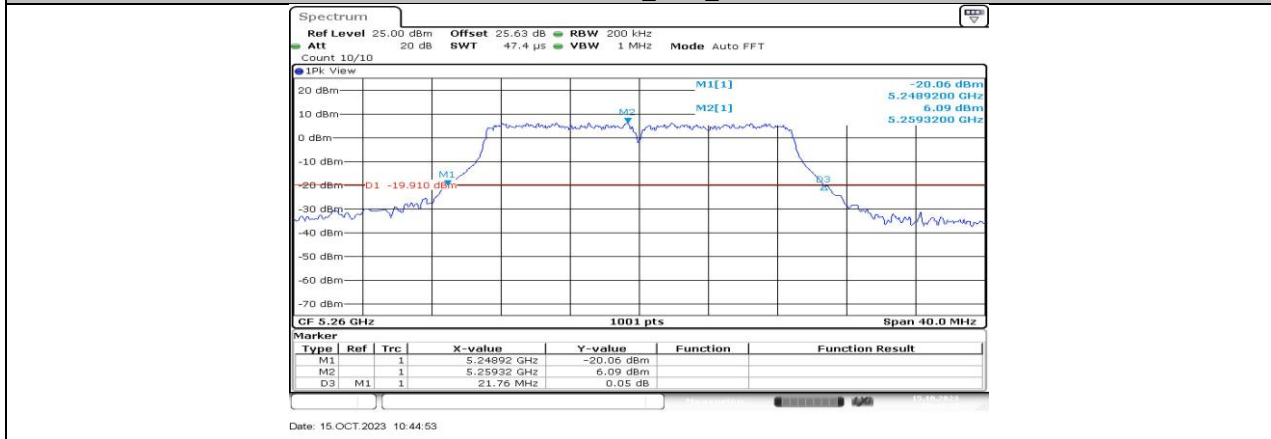
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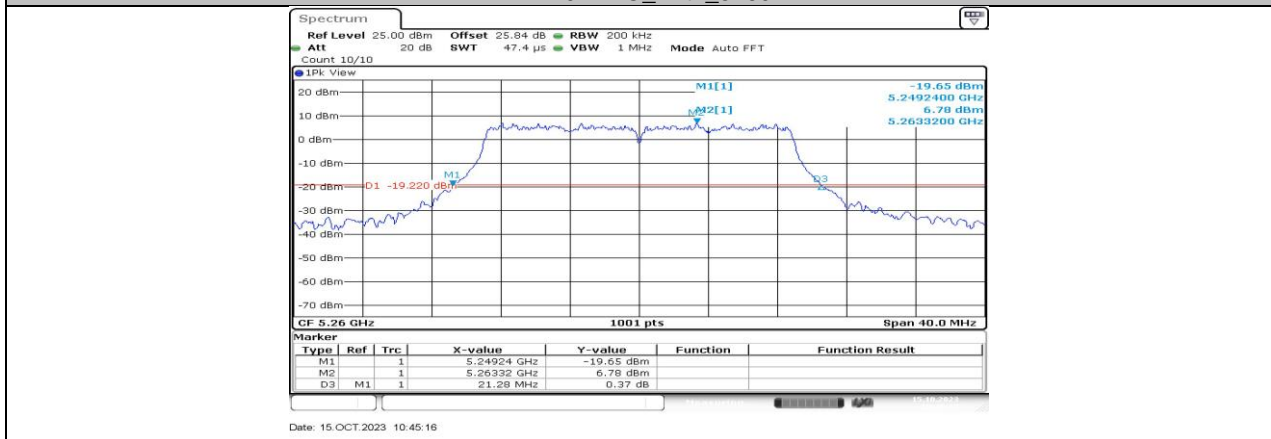
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11N20MIMO_Ant4_5240



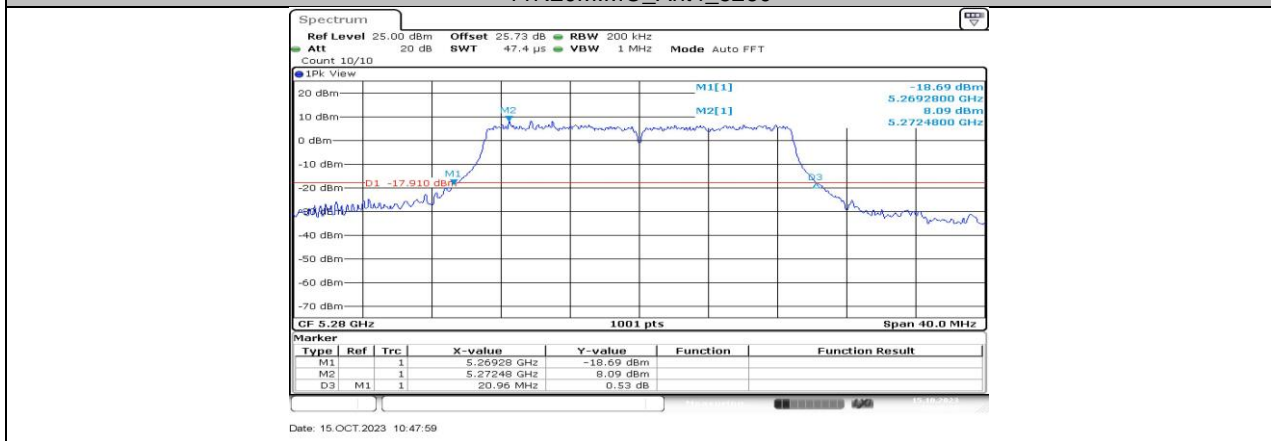
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11N20MIMO_Ant2_5260

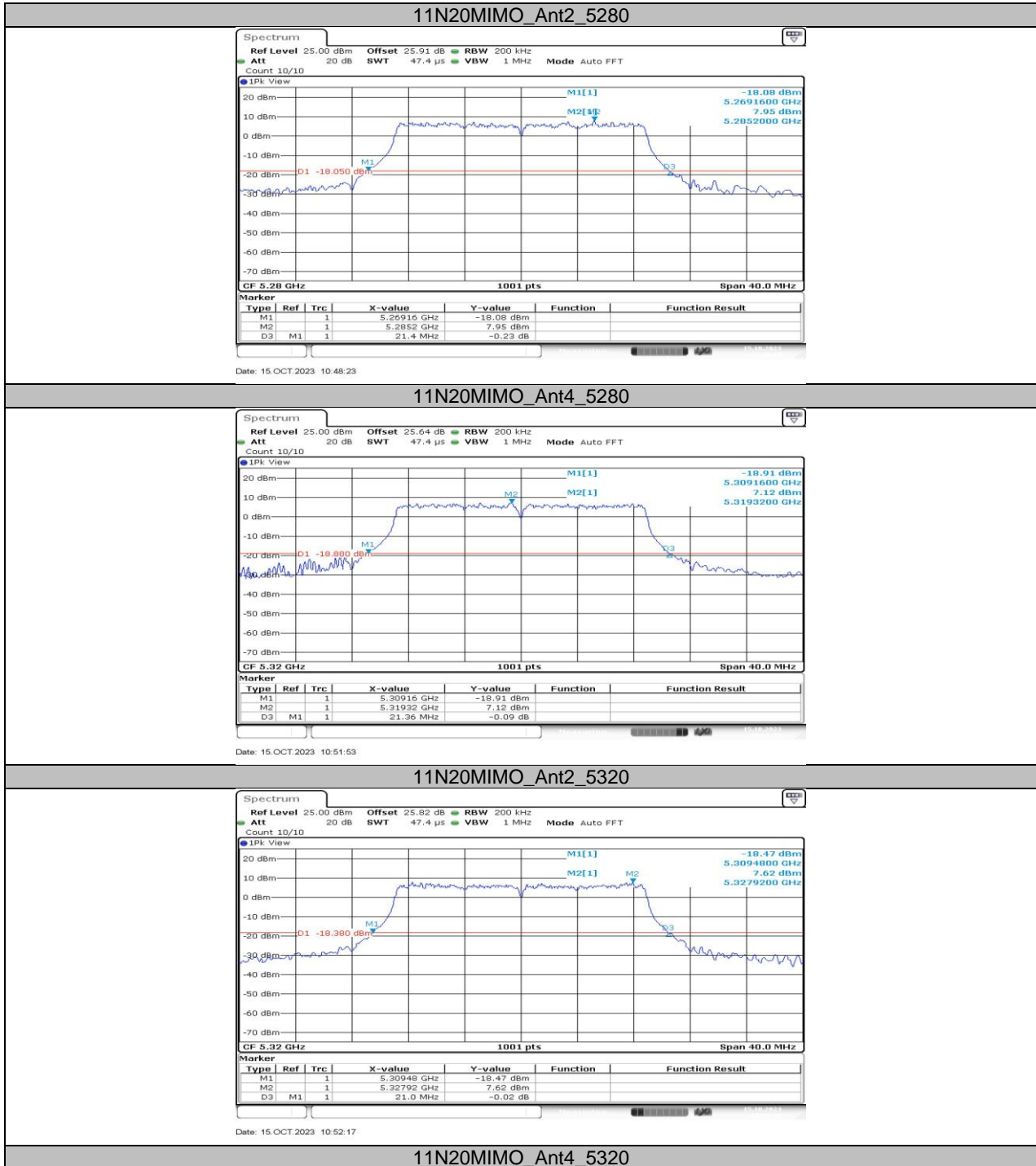


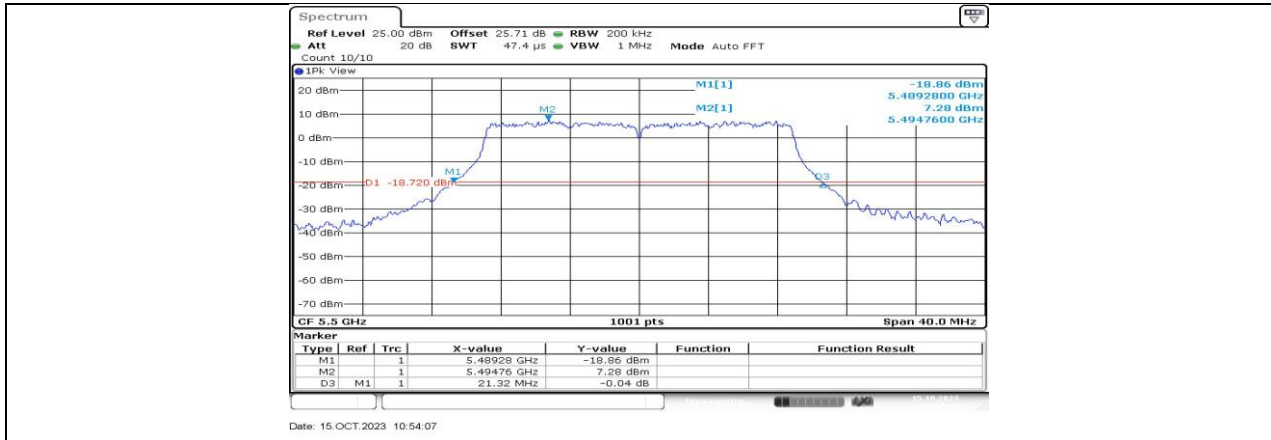
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11N20MIMO_Ant4_5260

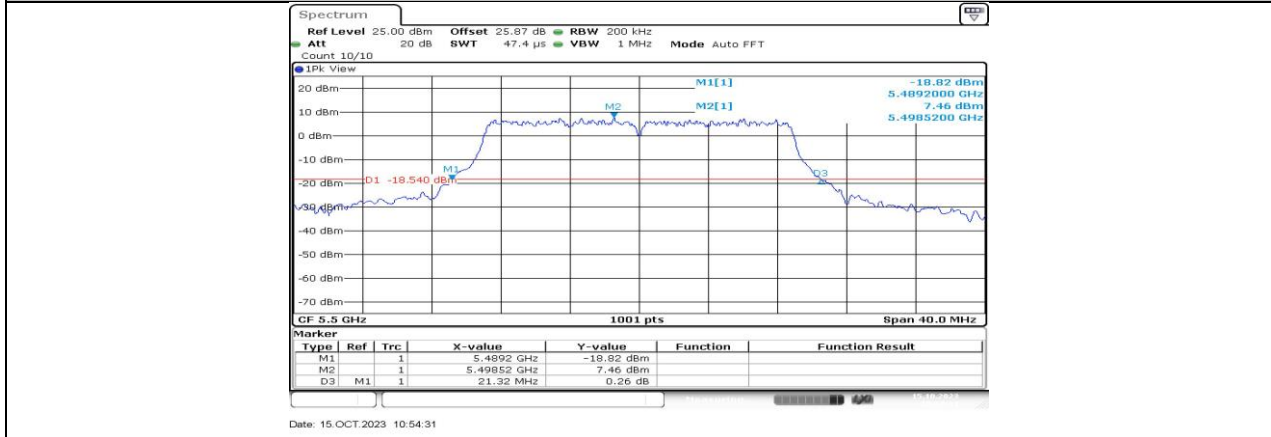


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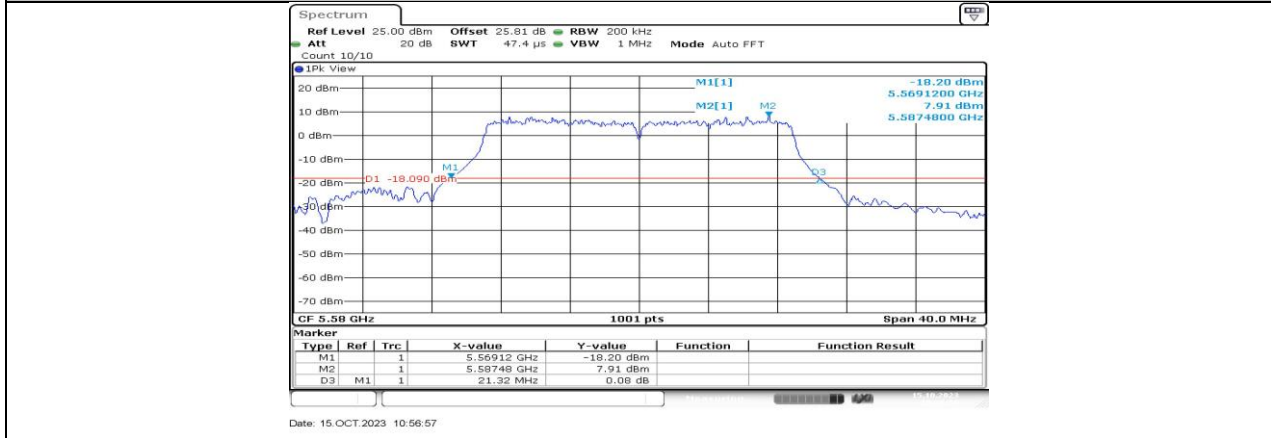




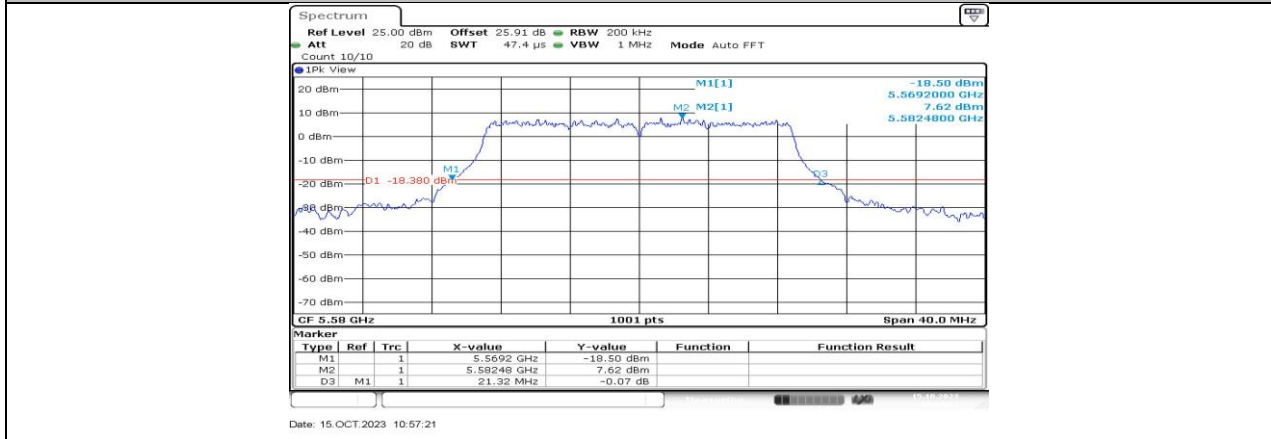
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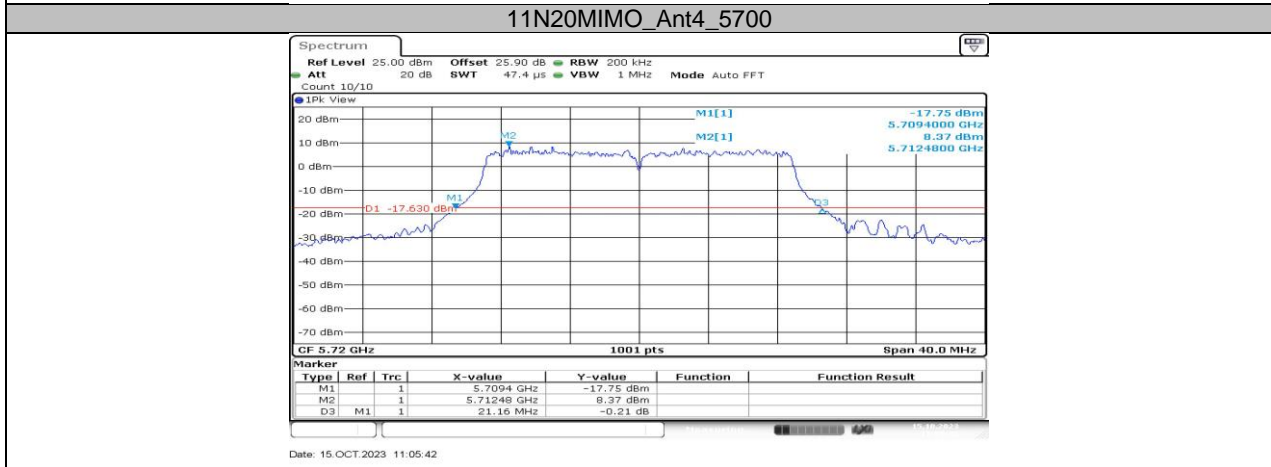
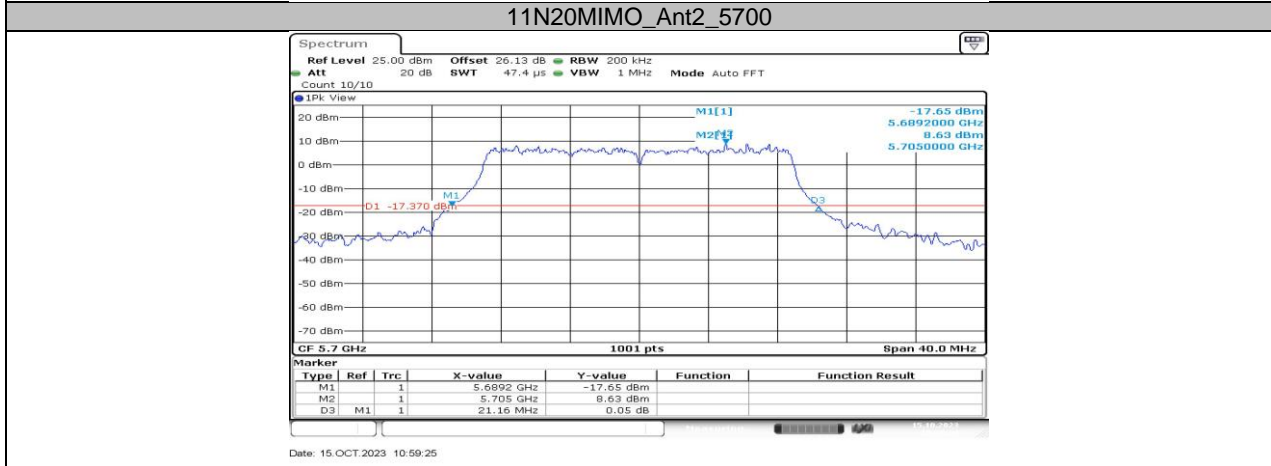
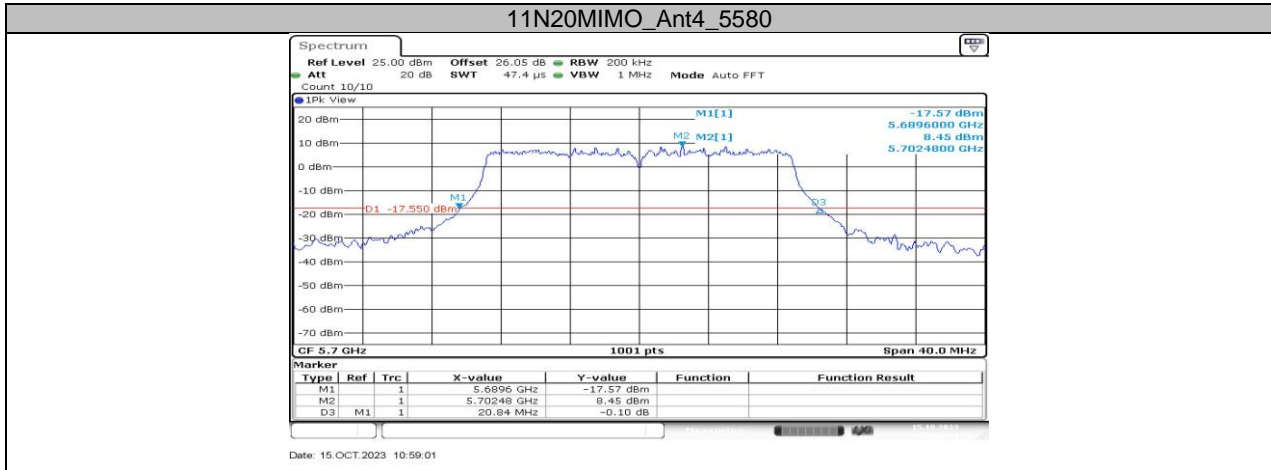


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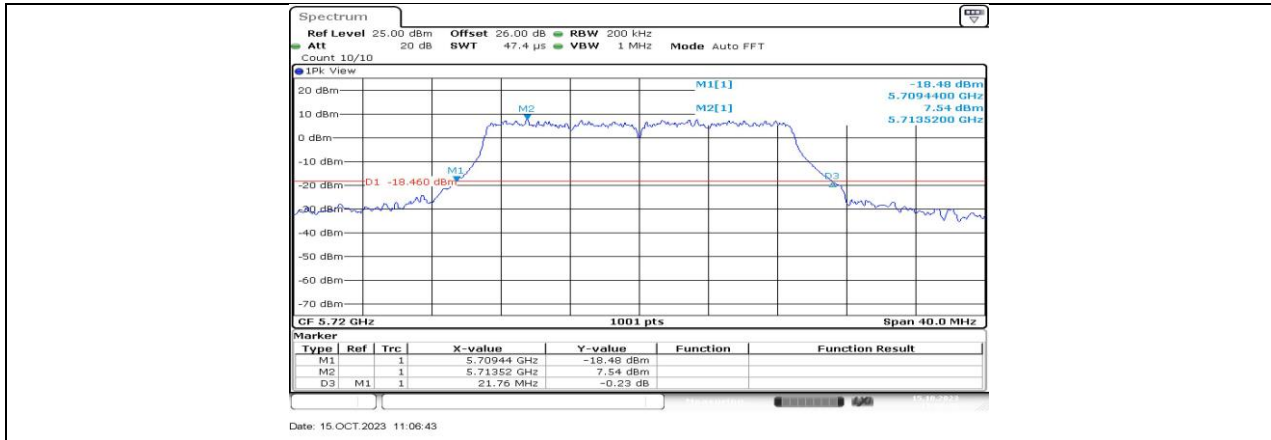


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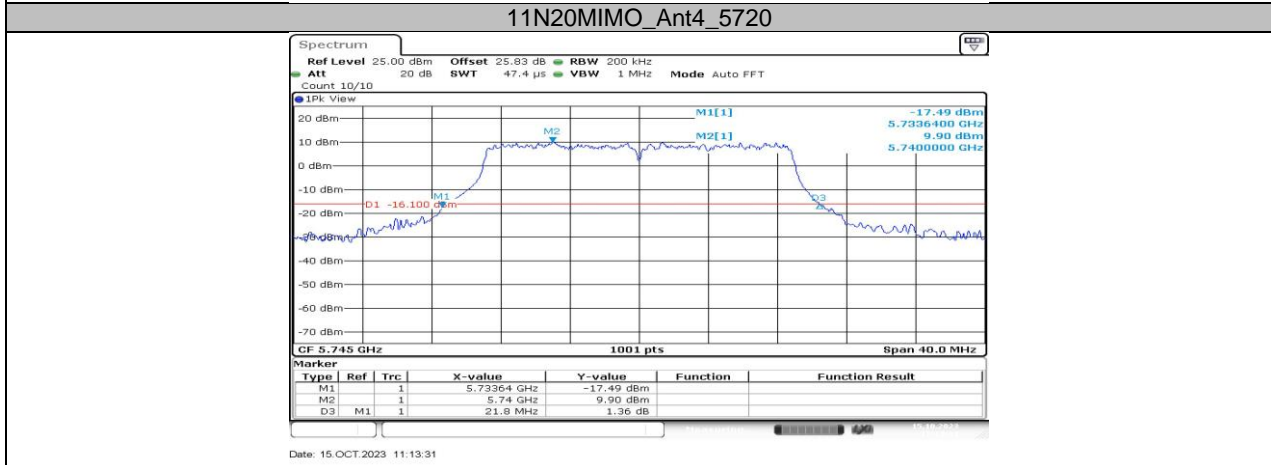




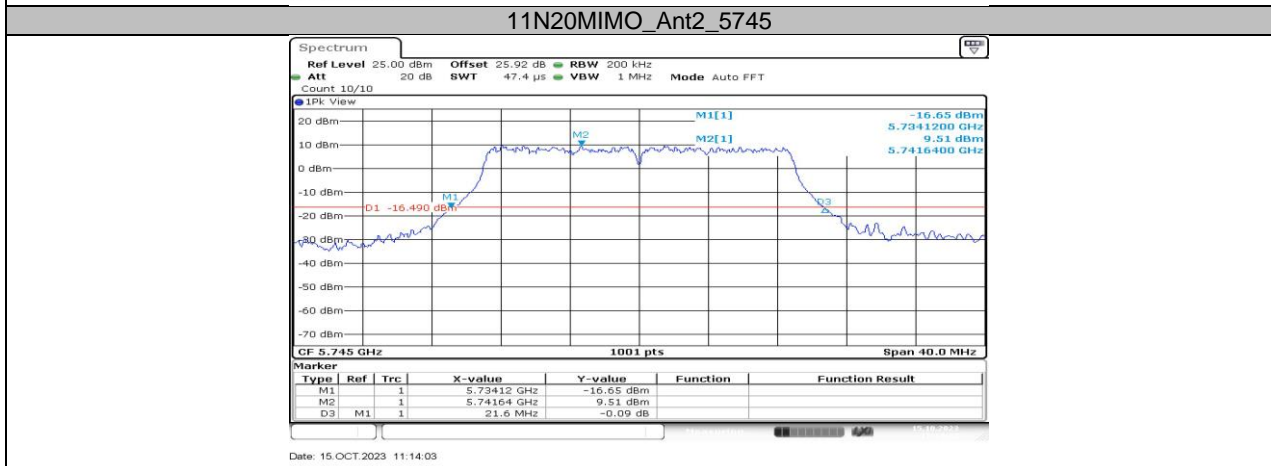
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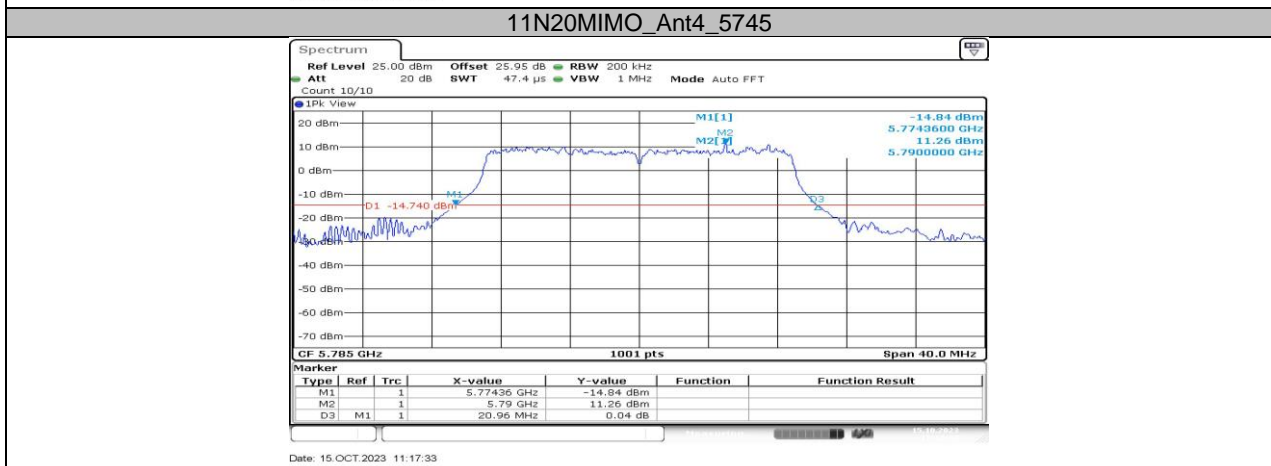
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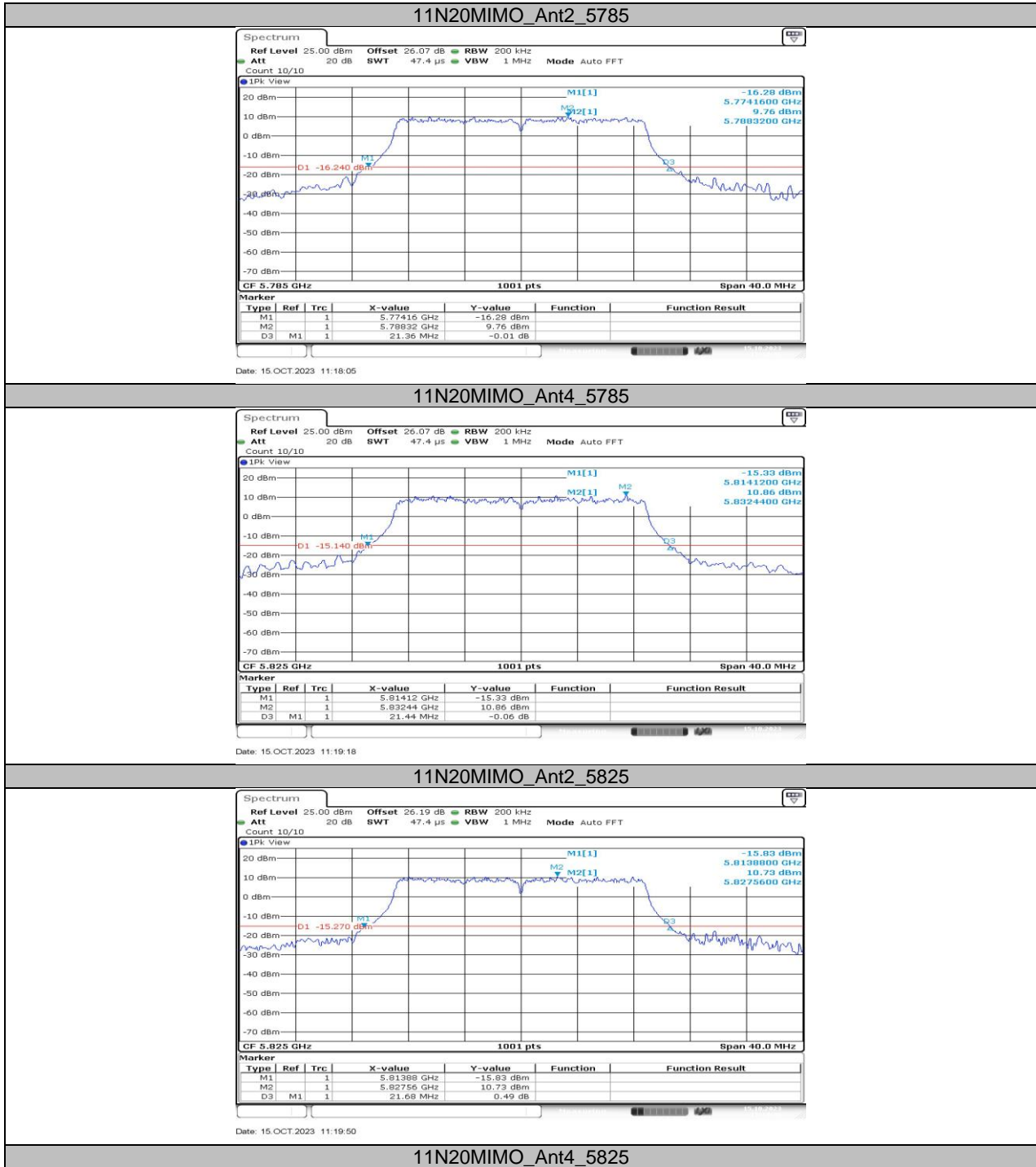
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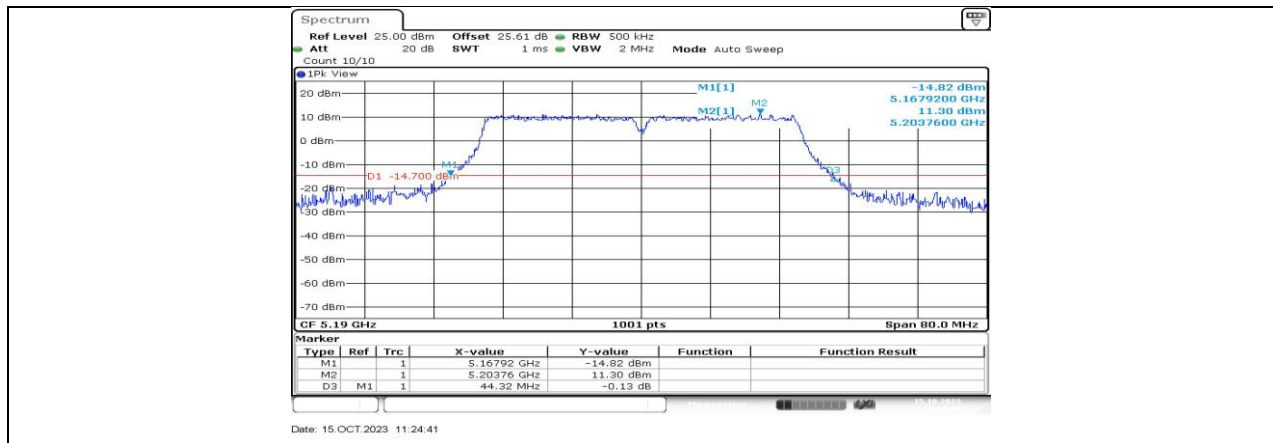


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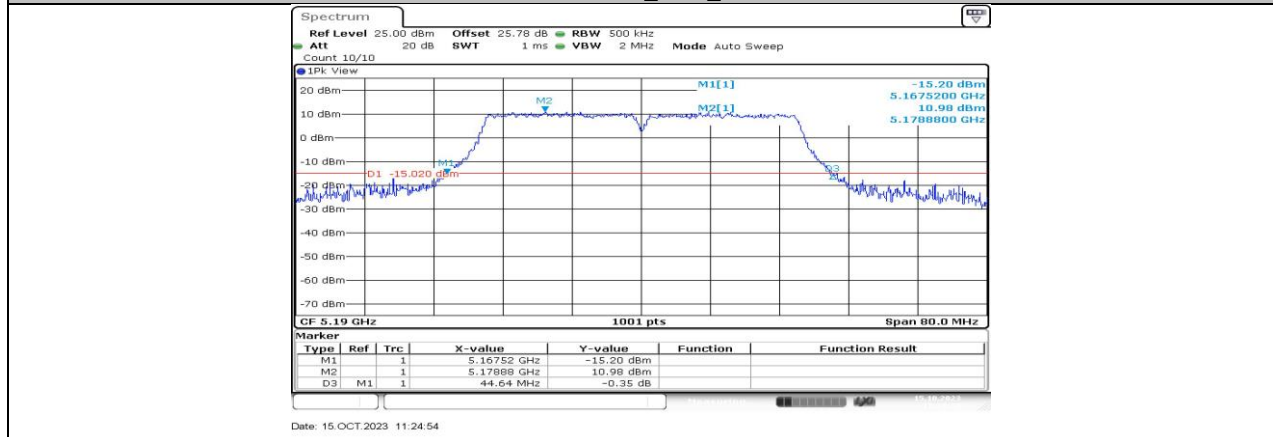
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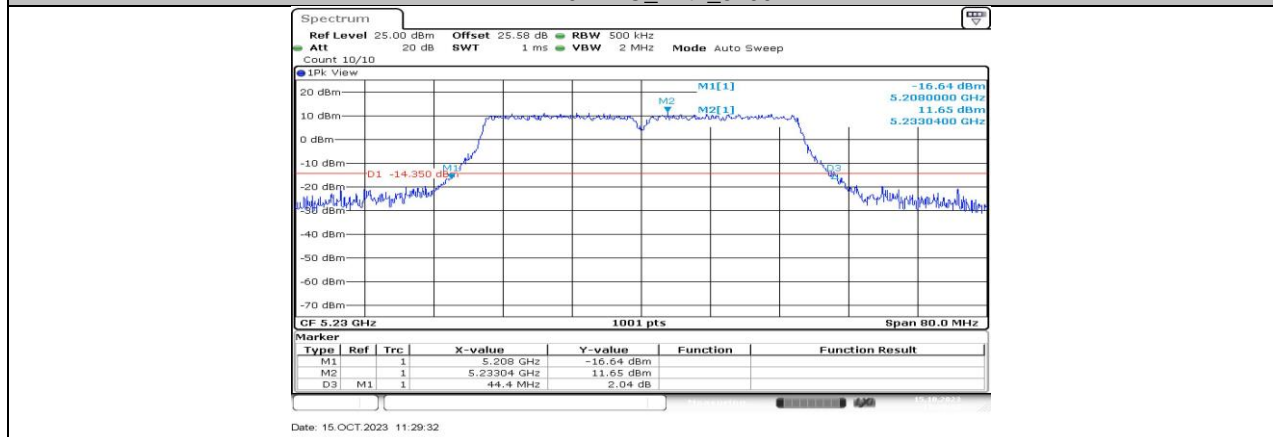
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11N40MIMO_Ant2_5190



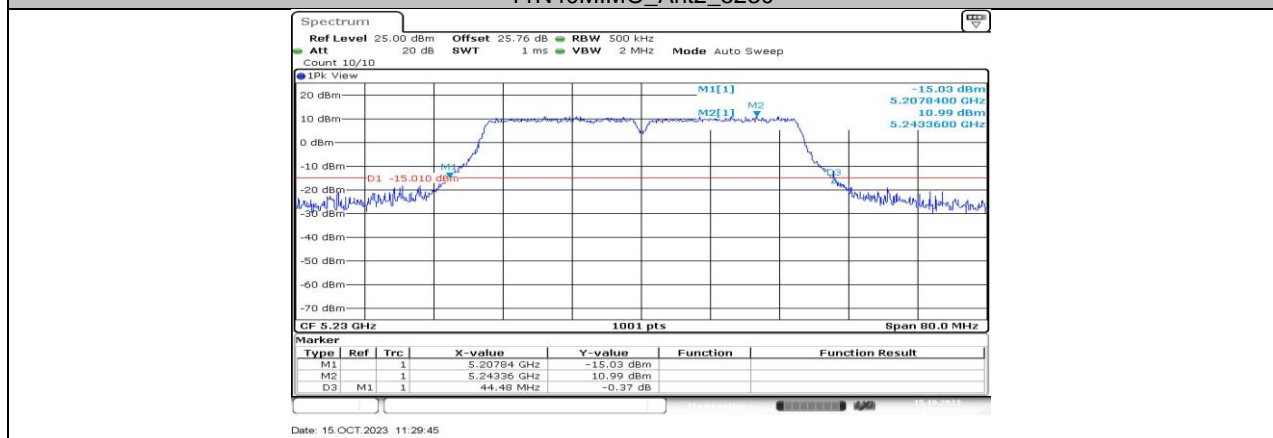
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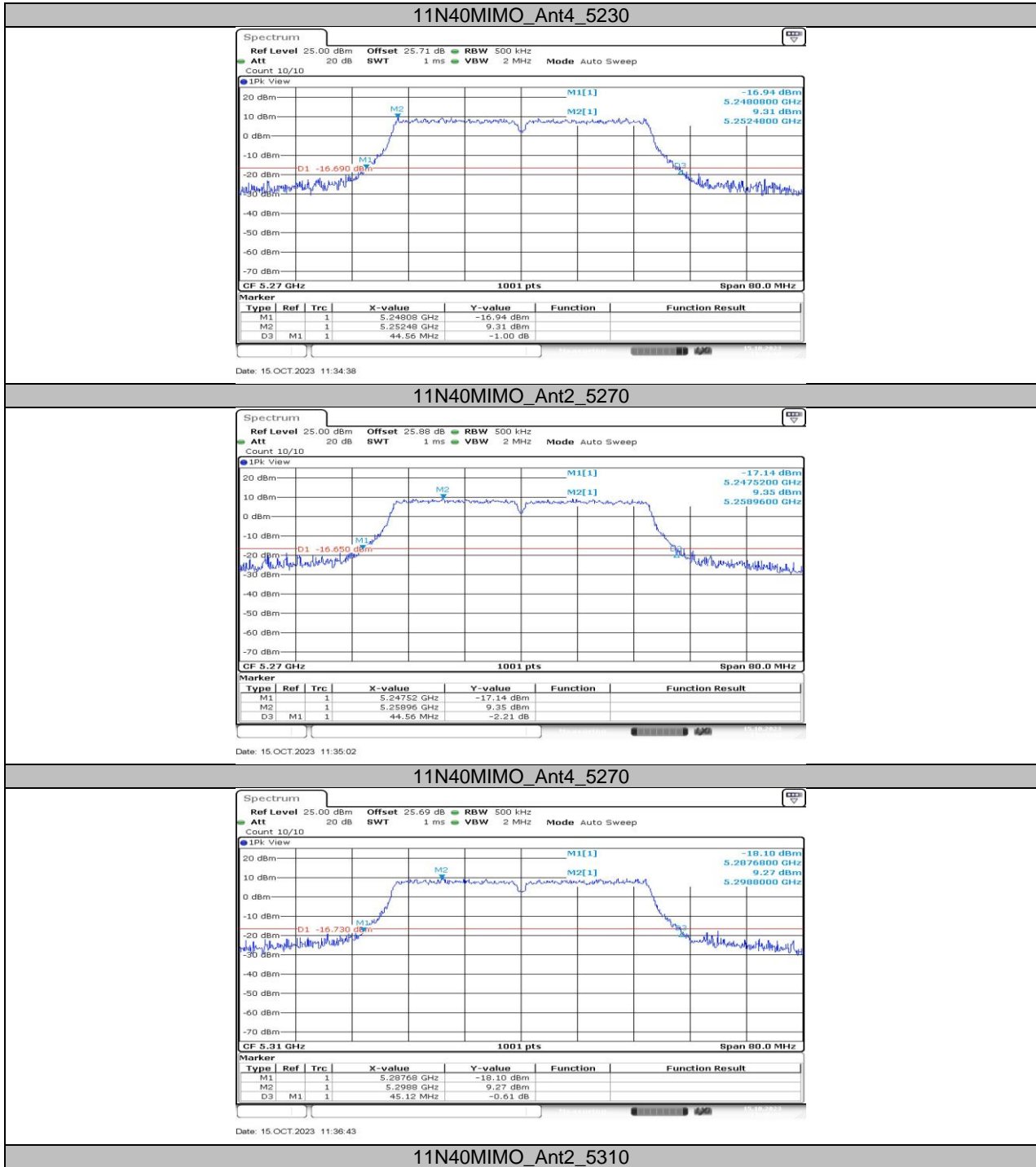


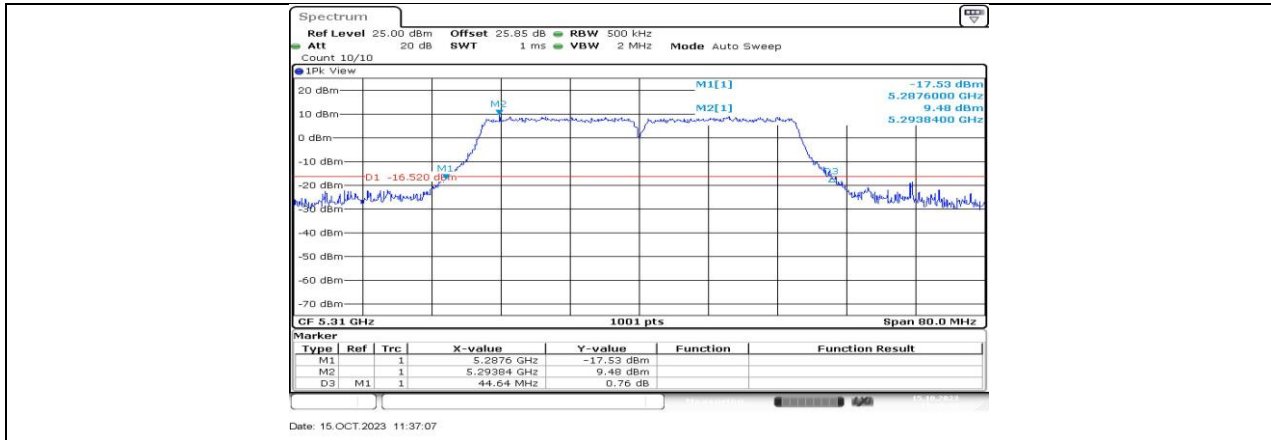
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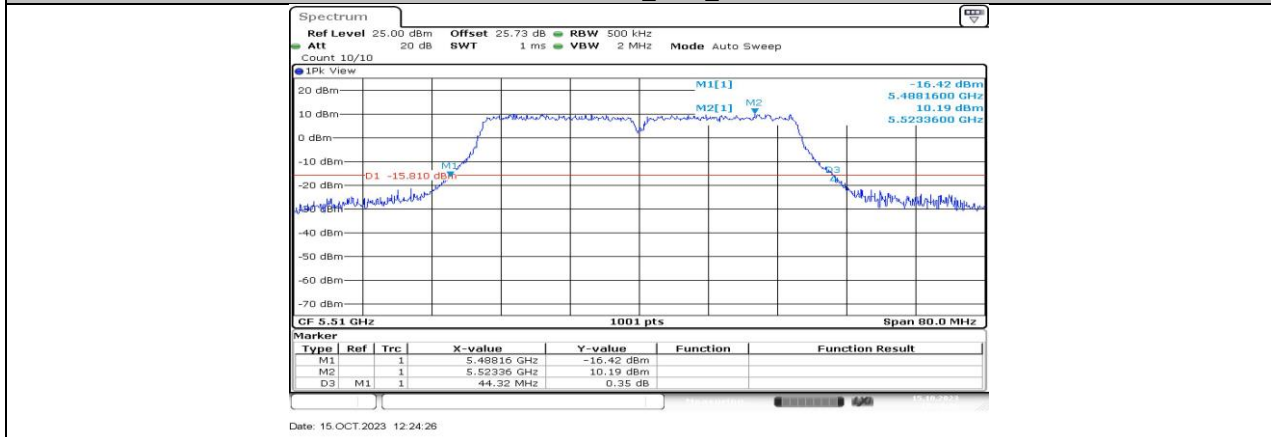
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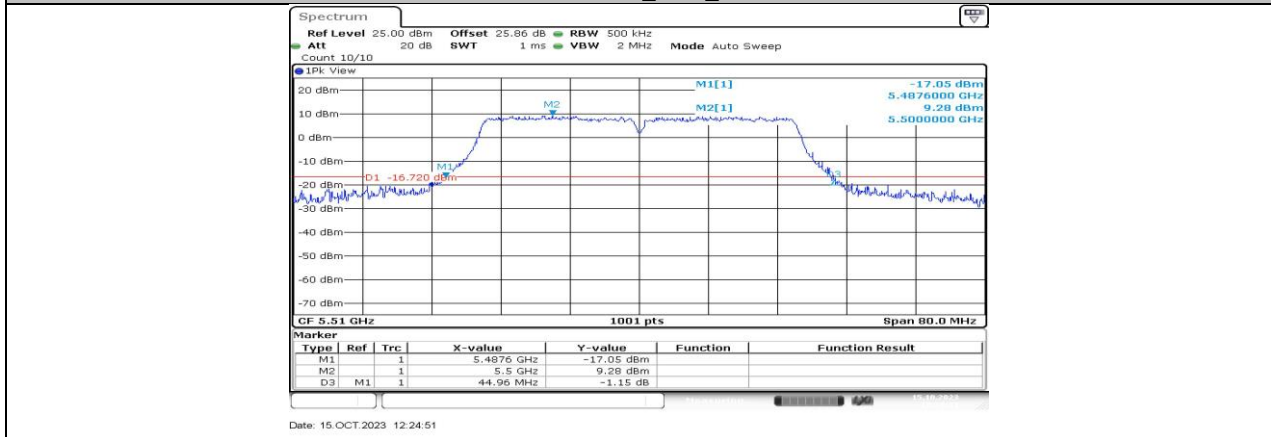
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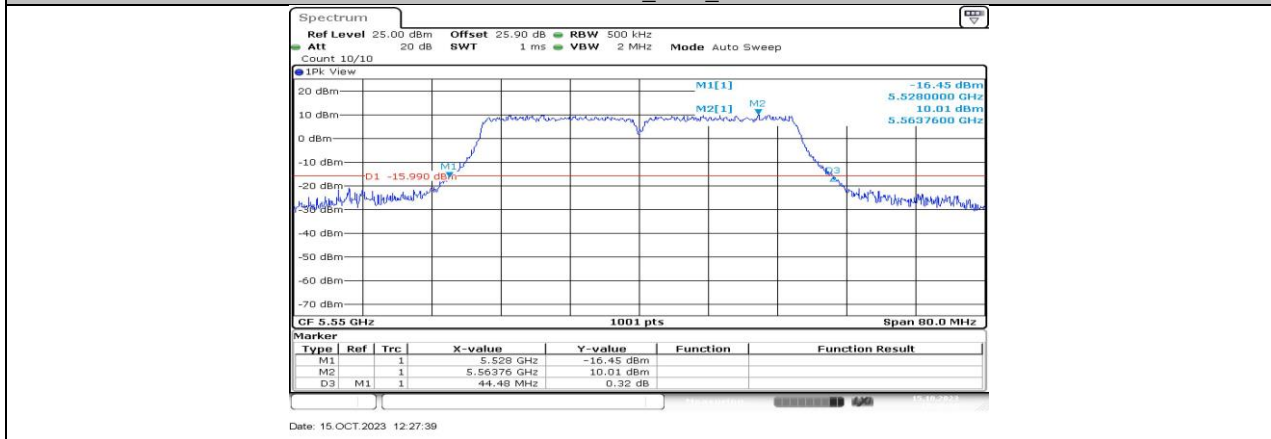
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11N40MIMO_Ant2_5510

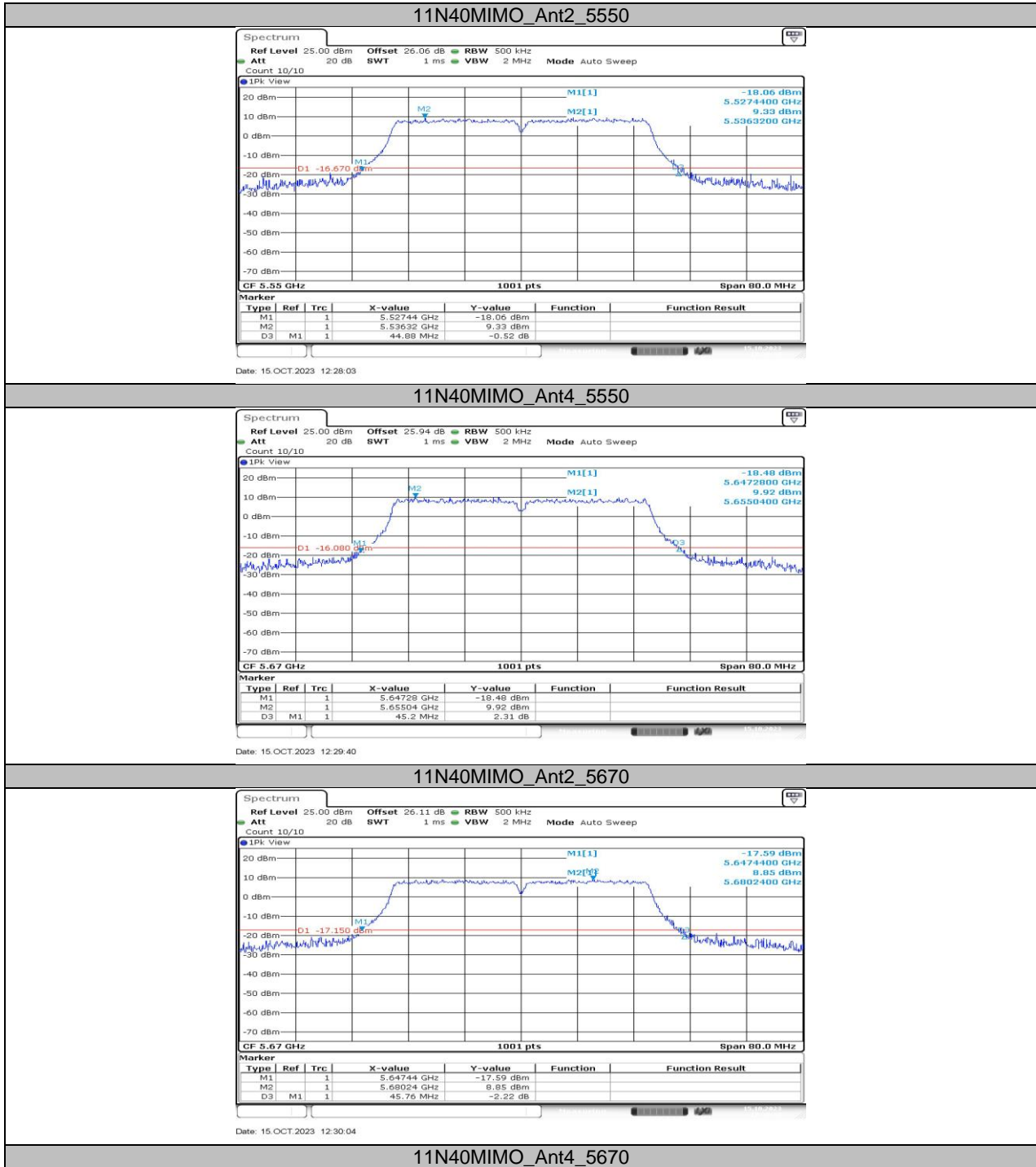


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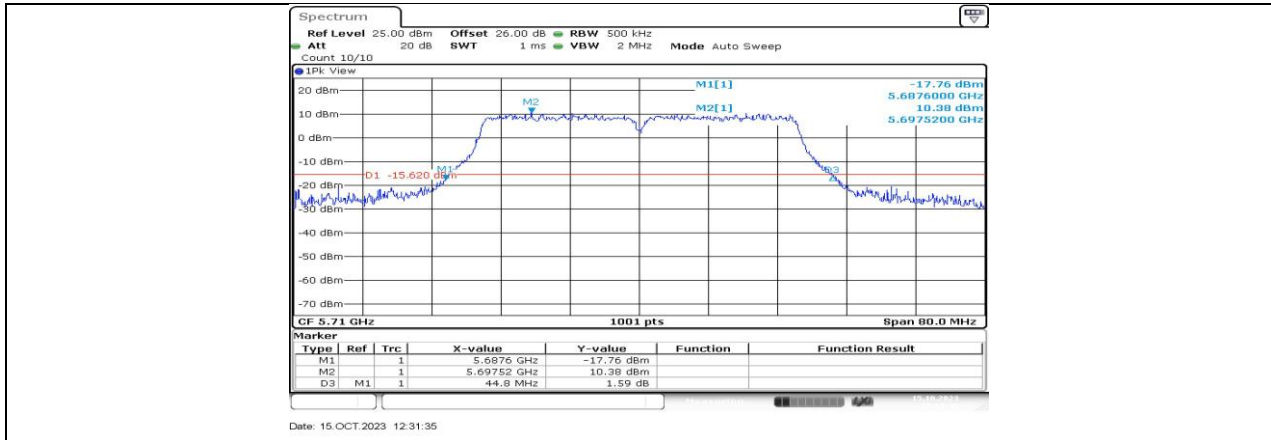
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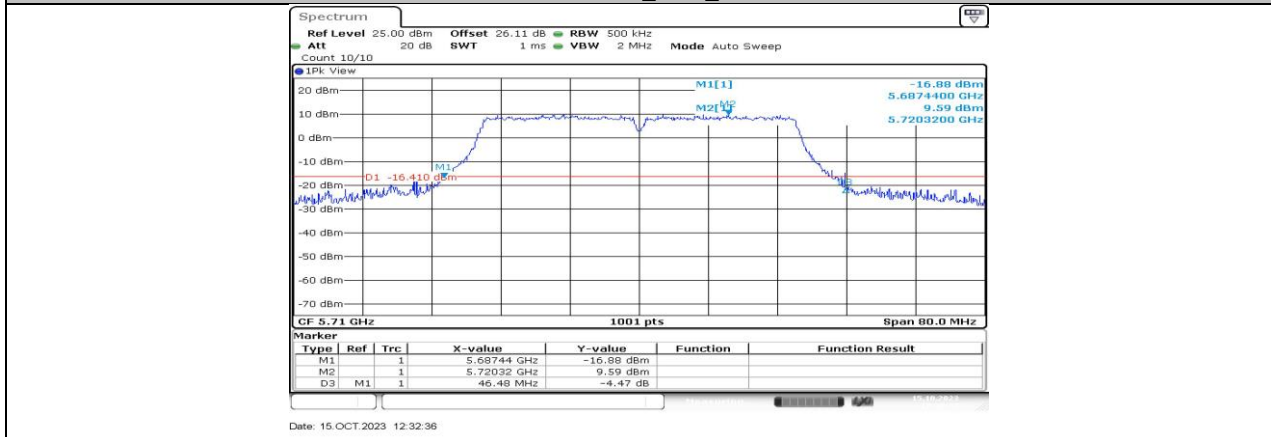


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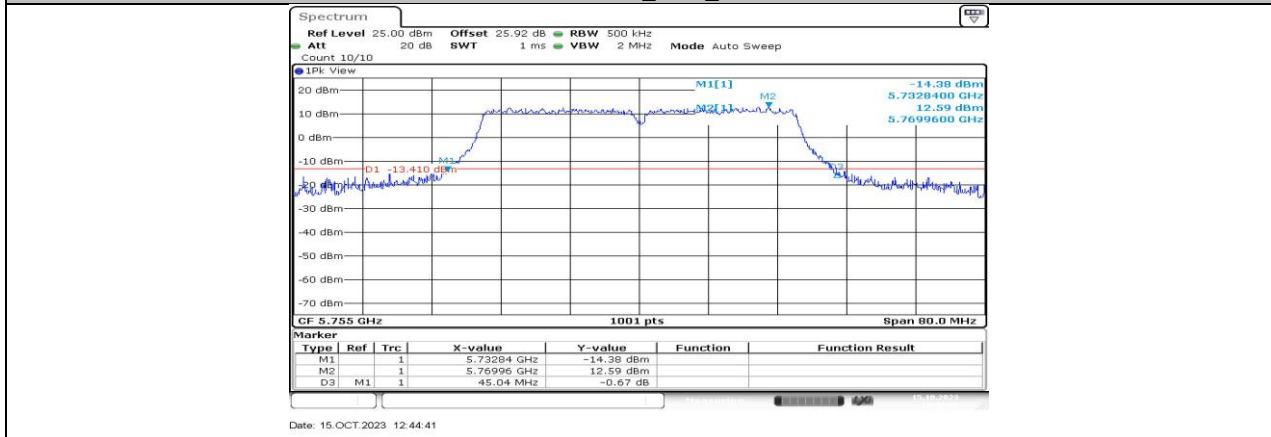
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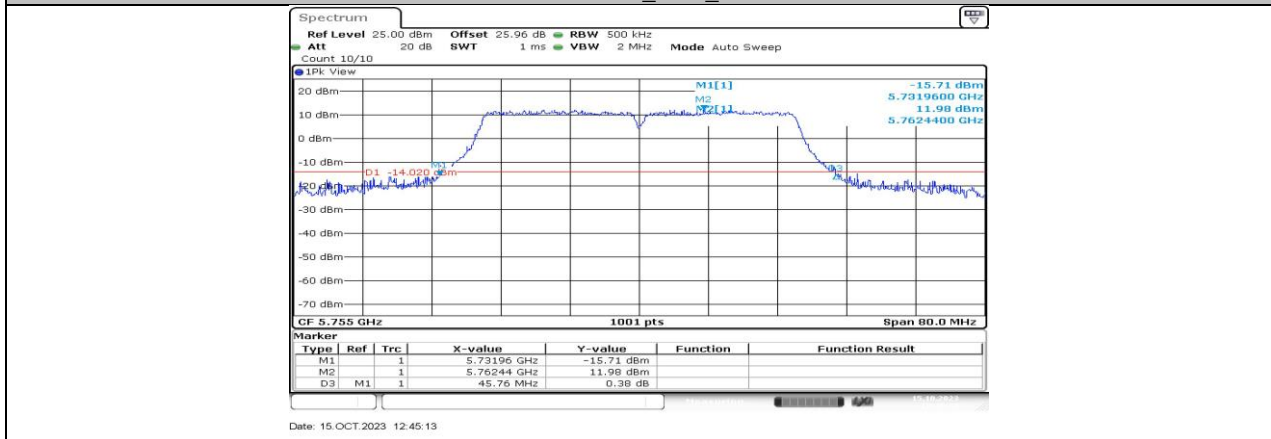
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11N40MIMO_Ant4_5710



Date: 15.OCT.2023 12:44:41

11N40MIMO_Ant2_5755



Date: 15.OCT.2023 12:45:13