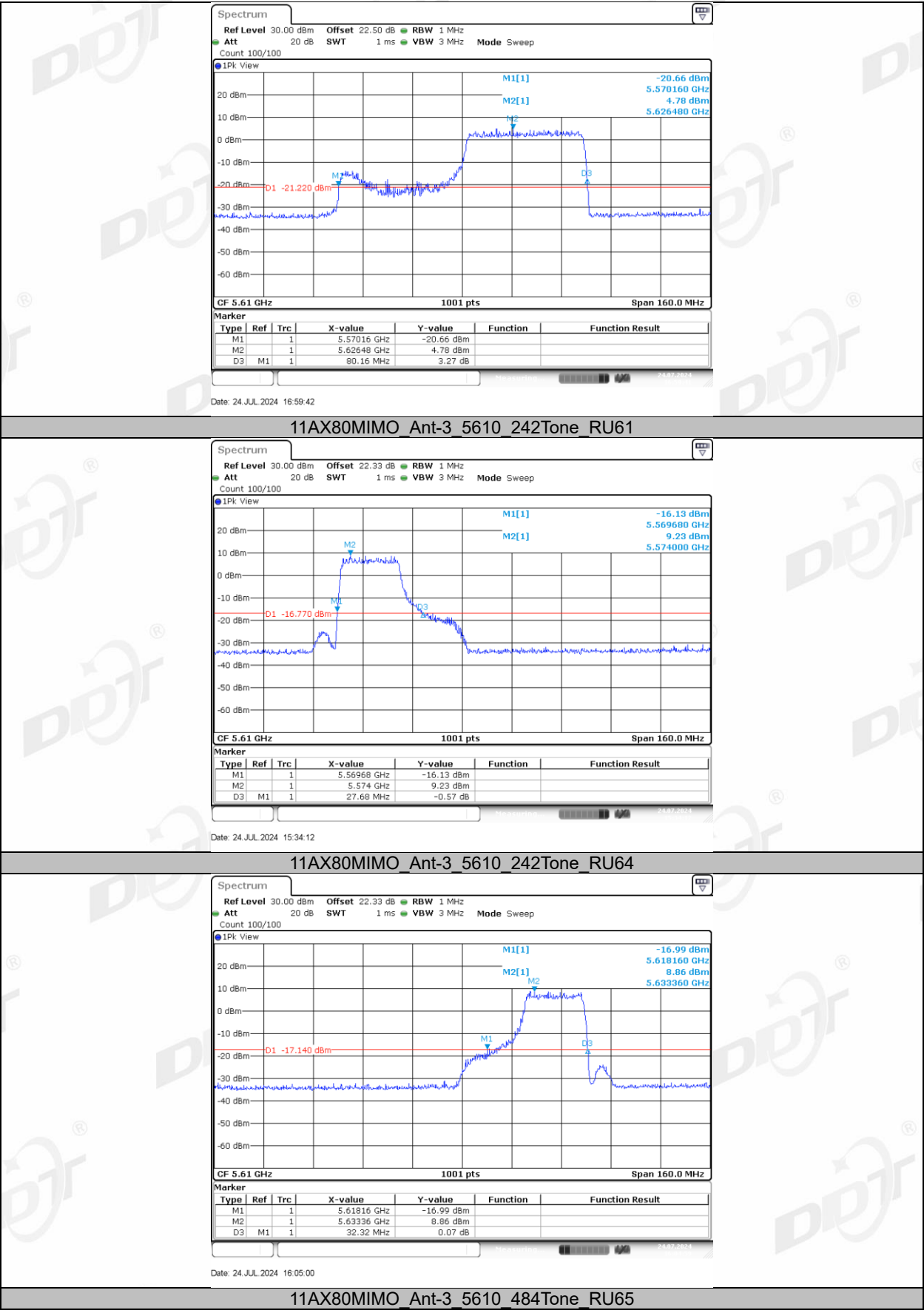
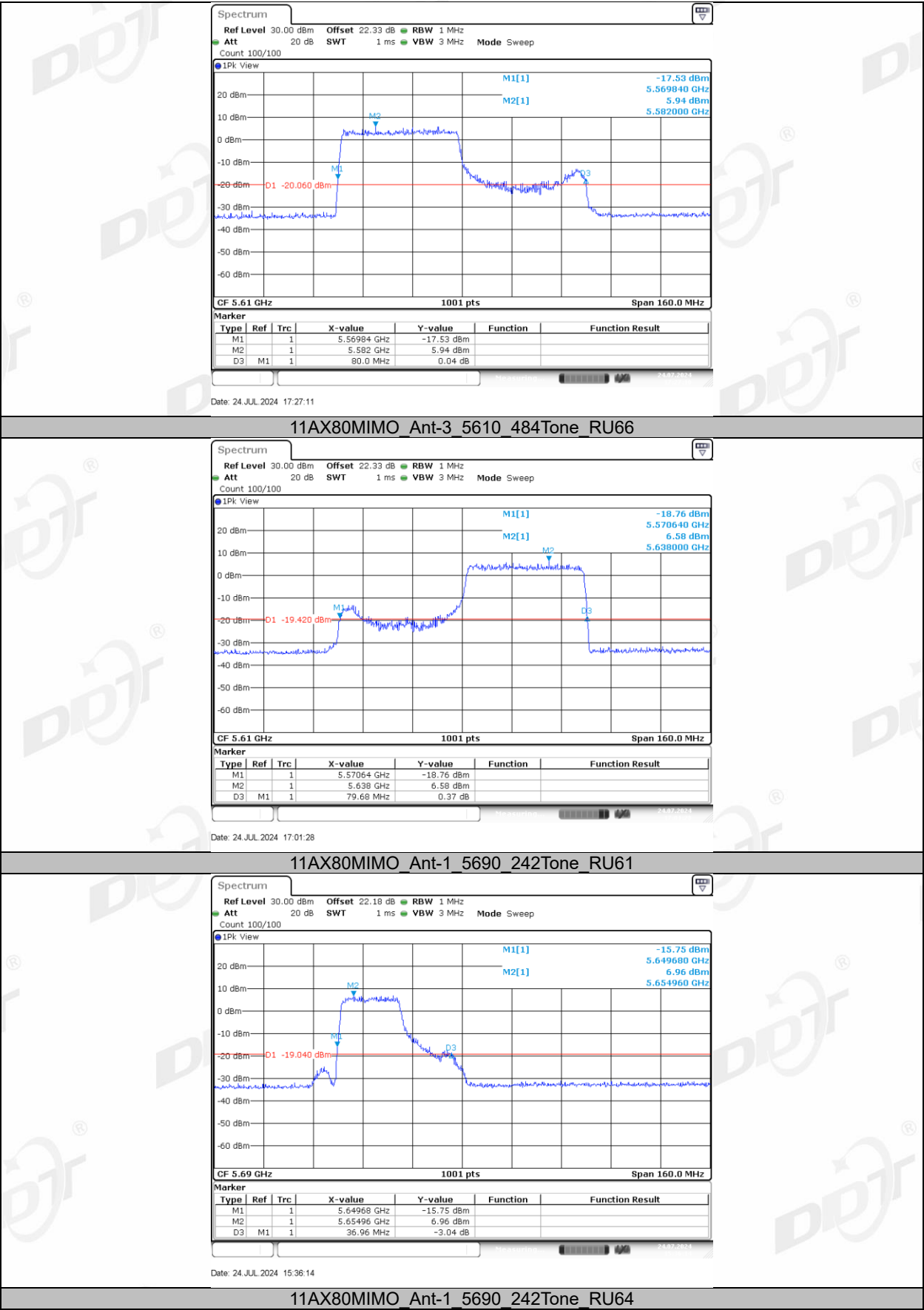
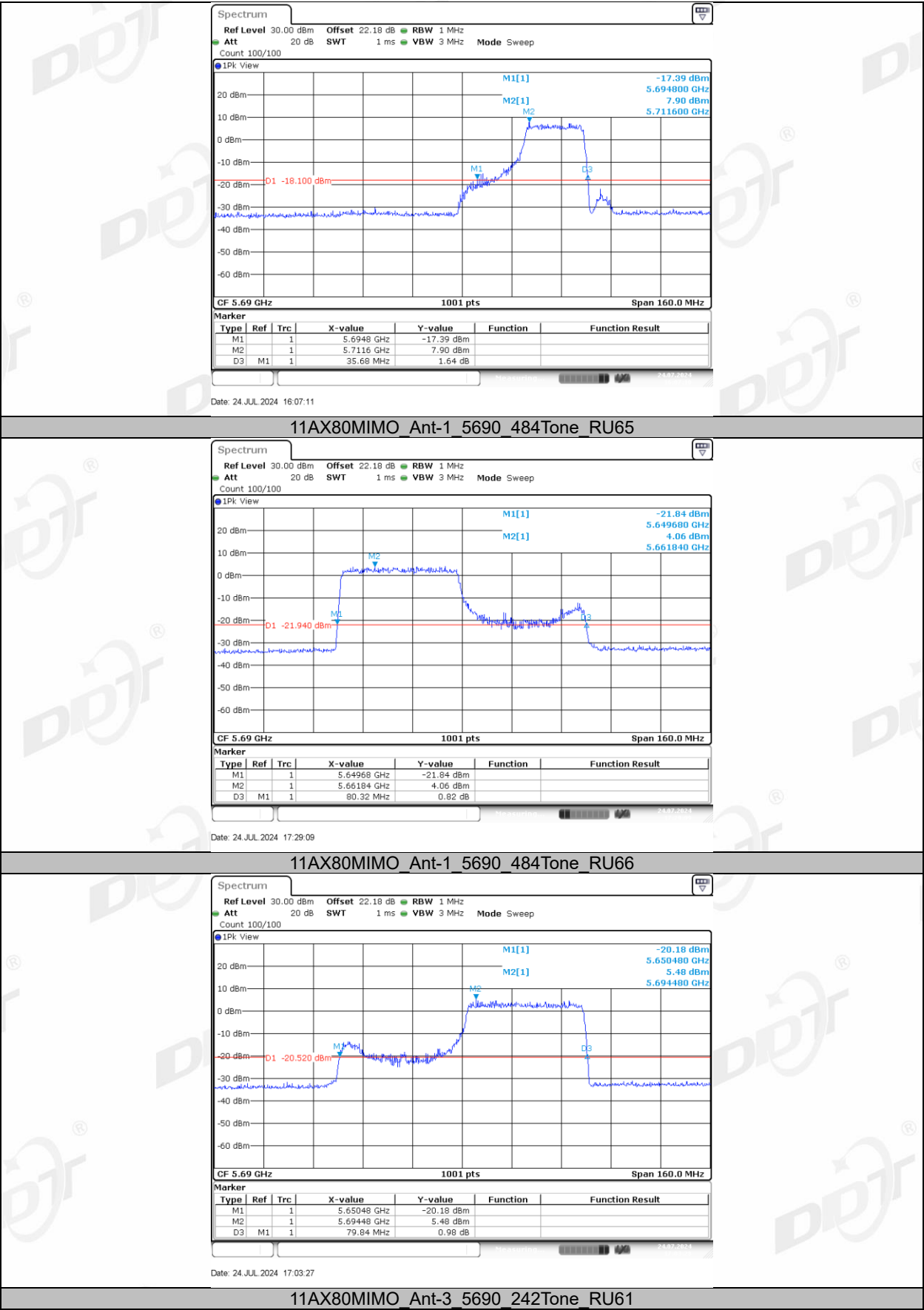
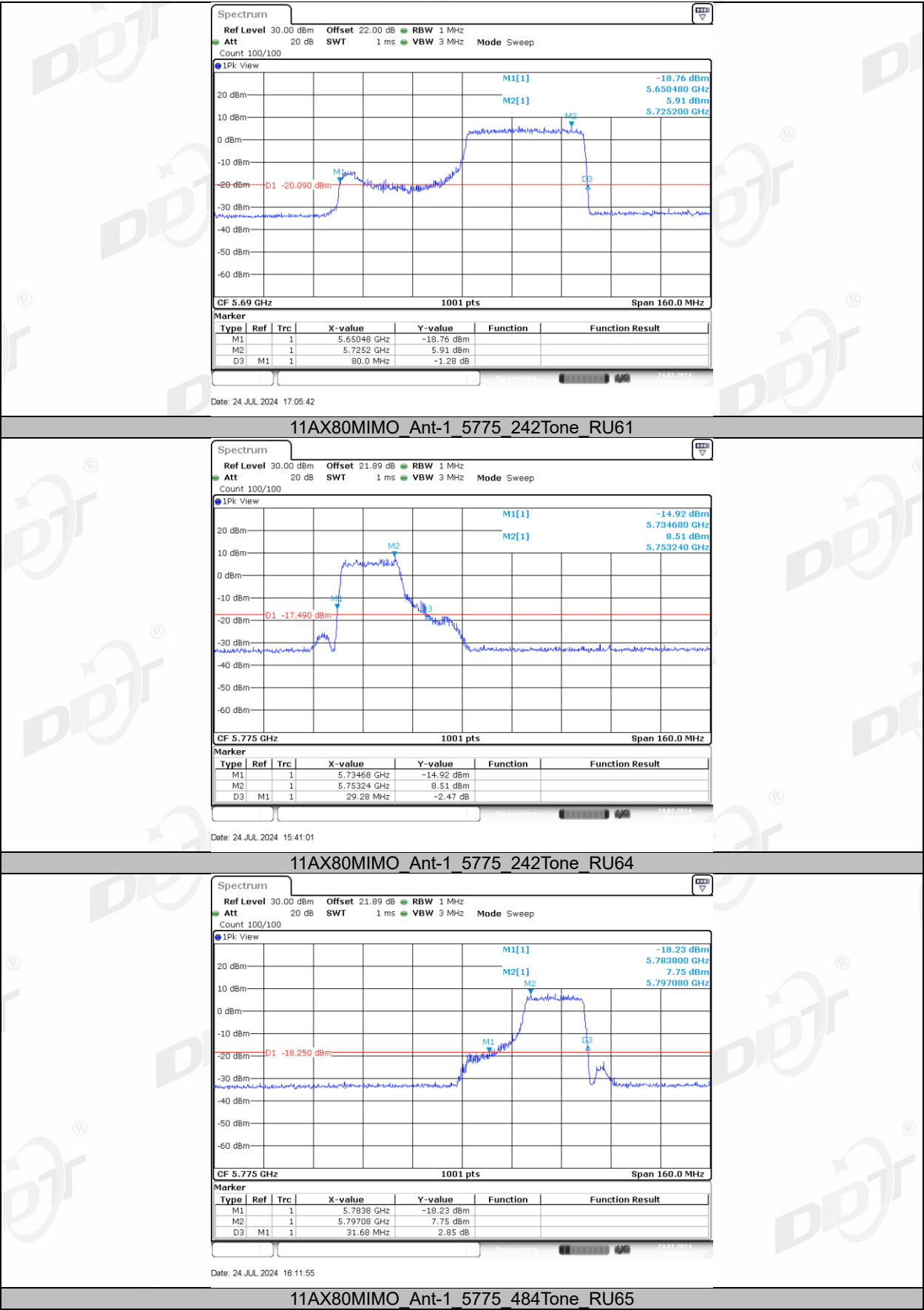


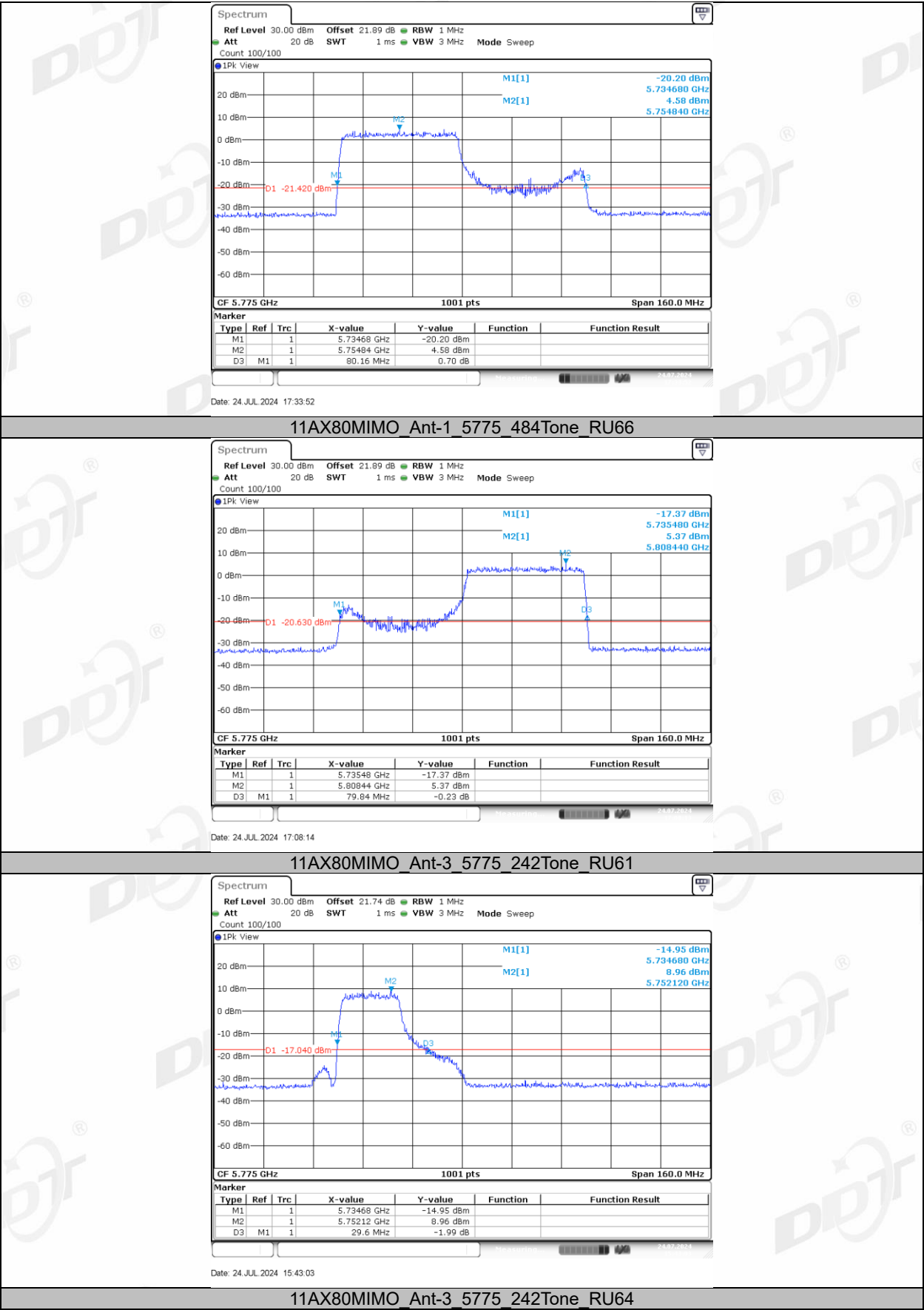


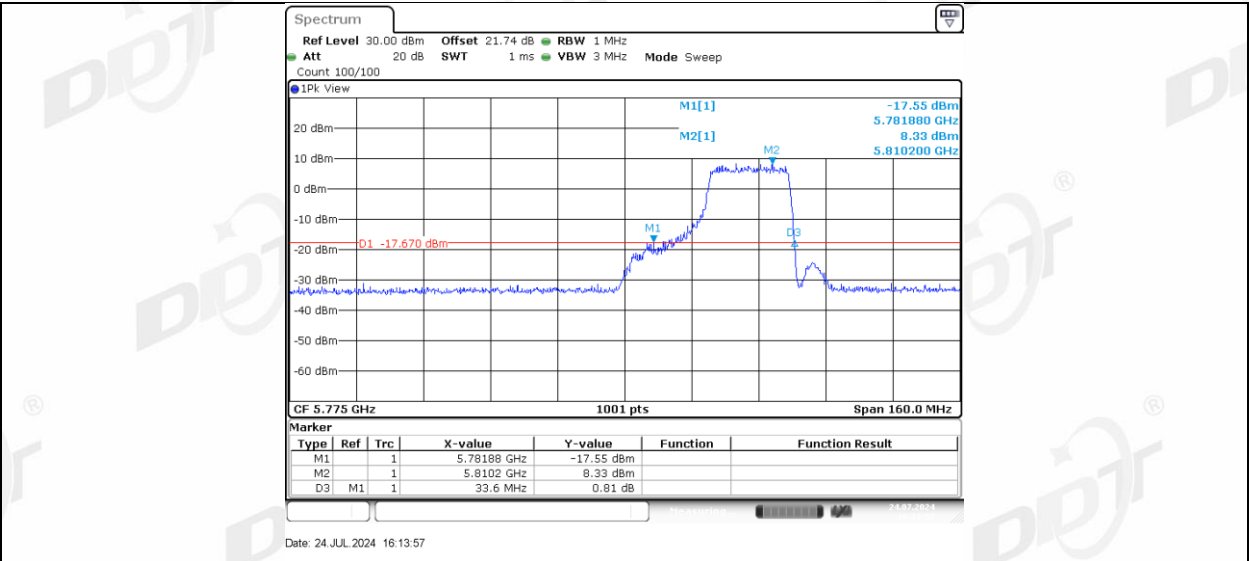




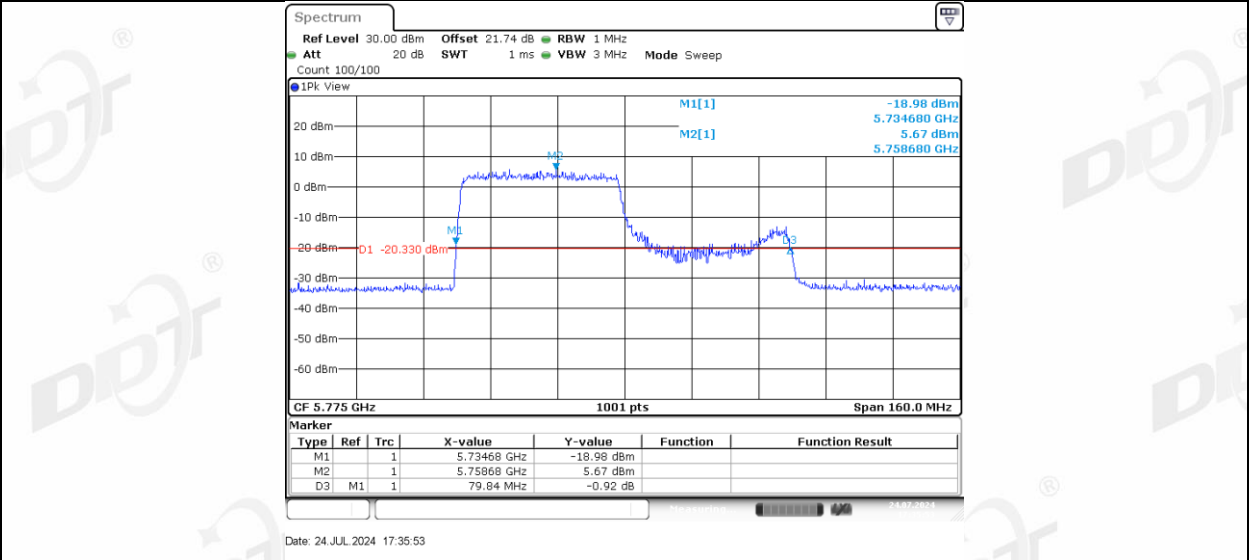




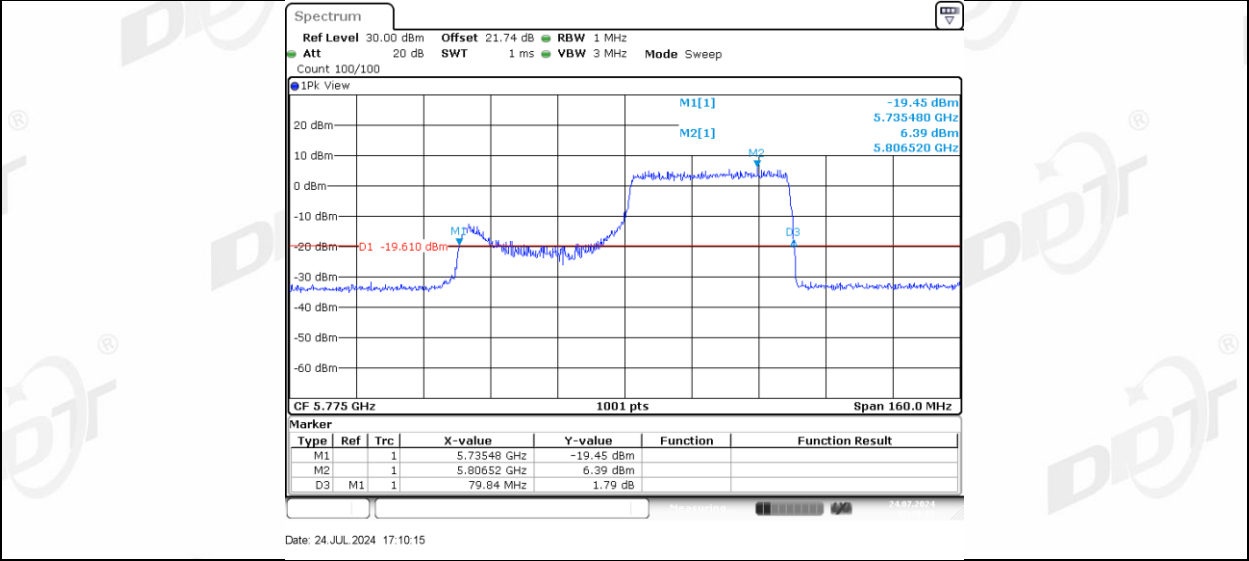




11AX80MIMO_Ant-3 5775 484Tone_RU65

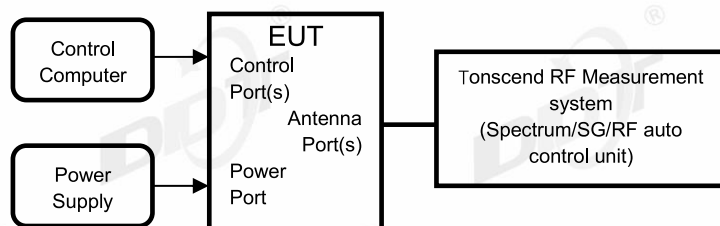


11AX80MIMO_Ant-3 5775 484Tone_RU66



5. 6dB Bandwidth

5.1. Block diagram of test setup



5.2. Limits

FCC Part15, Subpart E/ RSS-247		
Test Item	Limit	Frequency Range (MHz)
6 dB Bandwidth	Minimum 500 kHz	5725 - 5850

5.3. Test procedure

Connect EUT's antenna output to spectrum analyzer by RF cable.

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	For 6 dB Bandwidth: RBW=100 kHz For 26 dB Bandwidth: approximately 1% of the emission bandwidth.
VBW	For 6 dB Bandwidth: VBW=300 kHz For 26 dB Bandwidth: >3 RBW
Trace	Max hold
Sweep	Auto couple

Allow the trace to stabilize, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

5.4. Test result

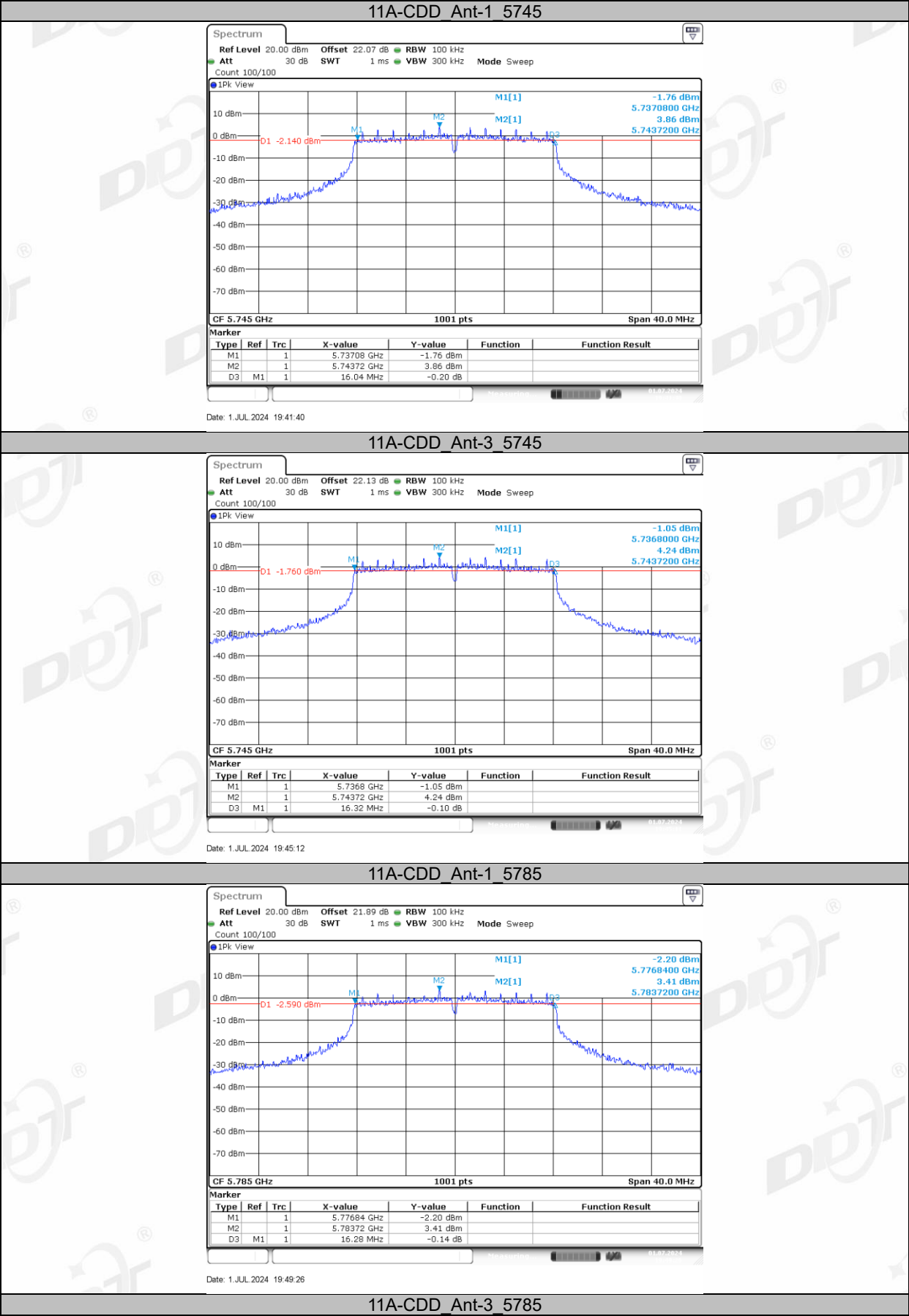
Test Engineer:	Zhongyao	Test Site:	RF Measurement System 3#
Ambient Condition:	24.1-26.5℃,39.8-43.2%RH	Test Date:	2024.07.01-2024.07.18
Test Power Supply:	DC 3.3V	Sample Number:	S24052405-002

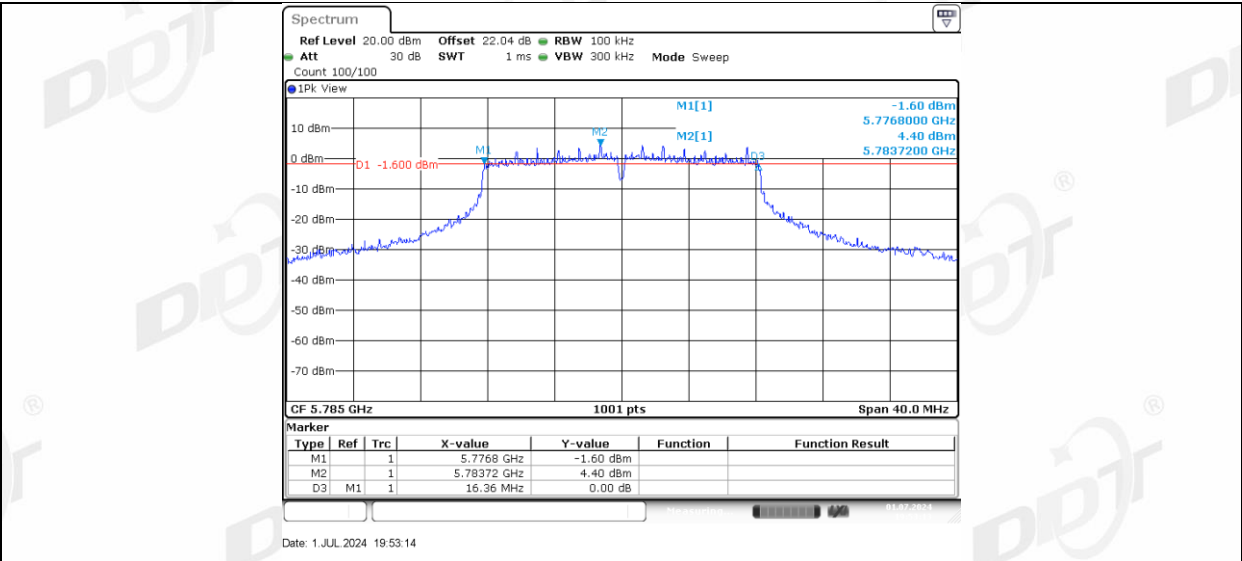
Test Mode	Antenna	Frequency [MHz]	6db EBW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11A-CDD	Ant-1	5745	16.04	5737.08	5753.12	0.5	PASS
	Ant-3	5745	16.32	5736.80	5753.12	0.5	PASS
	Ant-1	5785	16.28	5776.84	5793.12	0.5	PASS
	Ant-3	5785	16.36	5776.80	5793.16	0.5	PASS
	Ant-1	5825	16.28	5816.80	5833.08	0.5	PASS
	Ant-3	5825	16.32	5816.80	5833.12	0.5	PASS
11N20MIMO	Ant-1	5745	17.08	5736.44	5753.52	0.5	PASS
	Ant-3	5745	17.48	5736.24	5753.72	0.5	PASS
	Ant-1	5785	16.32	5777.20	5793.52	0.5	PASS
	Ant-3	5785	17.56	5776.20	5793.76	0.5	PASS
	Ant-1	5825	16.88	5816.48	5833.36	0.5	PASS
	Ant-3	5825	17.56	5816.20	5833.76	0.5	PASS
11N40MIMO	Ant-1	5755	35.04	5737.48	5772.52	0.5	PASS
	Ant-3	5755	35.04	5737.48	5772.52	0.5	PASS
	Ant-1	5795	35.12	5777.48	5812.60	0.5	PASS
	Ant-3	5795	33.84	5778.68	5812.52	0.5	PASS
11AC20MI MO	Ant-1	5745	17.16	5736.60	5753.76	0.5	PASS
	Ant-3	5745	17.56	5736.20	5753.76	0.5	PASS
	Ant-1	5785	17.28	5776.48	5793.76	0.5	PASS
	Ant-3	5785	17.56	5776.20	5793.76	0.5	PASS
	Ant-1	5825	17.32	5816.44	5833.76	0.5	PASS
	Ant-3	5825	17.56	5816.20	5833.76	0.5	PASS
11AC40MI MO	Ant-1	5755	33.84	5738.68	5772.52	0.5	PASS
	Ant-3	5755	35.04	5737.48	5772.52	0.5	PASS
	Ant-1	5795	35.04	5777.48	5812.52	0.5	PASS
	Ant-3	5795	33.84	5778.68	5812.52	0.5	PASS
11AC80MI MO	Ant-1	5775	75.20	5737.40	5812.60	0.5	PASS
	Ant-3	5775	75.20	5737.40	5812.60	0.5	PASS
11AX20MI MO	Ant-1	5745	18.40	5736.00	5754.40	0.5	PASS
	Ant-3	5745	18.20	5736.00	5754.20	0.5	PASS
	Ant-1	5785	18.32	5776.00	5794.32	0.5	PASS
	Ant-3	5785	18.12	5776.00	5794.12	0.5	PASS
	Ant-1	5825	18.76	5815.52	5834.28	0.5	PASS
	Ant-3	5825	18.64	5815.60	5834.24	0.5	PASS
11AX40MI MO	Ant-1	5755	35.04	5737.48	5772.52	0.5	PASS
	Ant-3	5755	35.04	5737.48	5772.52	0.5	PASS
	Ant-1	5795	35.44	5777.48	5812.92	0.5	PASS
	Ant-3	5795	35.04	5777.48	5812.52	0.5	PASS
11AX80MI MO	Ant-1	5775	75.20	5737.40	5812.60	0.5	PASS
	Ant-3	5775	75.20	5737.40	5812.60	0.5	PASS

Test Mode	Antenna	Frequency [MHz]	Ru Size	Ru Index	6db BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict		
11AX20M IMO	Ant-1	5745	26Tone	RU0	2.12	5735.44	5737.56	0.5	PASS		
				RU4	2.60	5743.68	5746.28	0.5	PASS		
				RU8	2.08	5752.44	5754.52	0.5	PASS		
			52Tone	RU37	17.04	5735.44	5752.48	0.5	PASS		
				RU39	3.96	5746.36	5750.32	0.5	PASS		
				RU40	4.00	5750.44	5754.44	0.5	PASS		
		106Tone	RU53	17.16	5735.44	5752.60	0.5	PASS			
			RU54	17.12	5737.40	5754.52	0.5	PASS			
			Ant-3	5745	26Tone	RU0	2.08	5735.44	5737.52	0.5	PASS
						RU4	2.64	5743.68	5746.32	0.5	PASS
						RU8	2.08	5752.44	5754.52	0.5	PASS
					52Tone	RU37	17.04	5735.44	5752.48	0.5	PASS
	RU39	3.96				5746.32	5750.28	0.5	PASS		
	RU40	4.08				5750.44	5754.52	0.5	PASS		
	106Tone	RU53		17.16	5735.44	5752.60	0.5	PASS			
		RU54		17.12	5737.40	5754.52	0.5	PASS			
		Ant-1		5785	26Tone	RU0	2.08	5775.44	5777.52	0.5	PASS
						RU4	2.64	5783.68	5786.32	0.5	PASS
						RU8	2.12	5792.40	5794.52	0.5	PASS
					52Tone	RU37	17.08	5775.44	5792.52	0.5	PASS
	RU39		4.00			5786.32	5790.32	0.5	PASS		
	RU40		3.96			5790.44	5794.40	0.5	PASS		
	106Tone		RU53	17.12	5775.40	5792.52	0.5	PASS			
			RU54	17.12	5777.40	5794.52	0.5	PASS			
			Ant-3	5785	26Tone	RU0	2.12	5775.40	5777.52	0.5	PASS
						RU4	2.68	5783.64	5786.32	0.5	PASS
						RU8	2.08	5792.44	5794.52	0.5	PASS
					52Tone	RU37	17.12	5775.40	5792.52	0.5	PASS
	RU39	3.96				5786.32	5790.28	0.5	PASS		
	RU40	15.84				5778.68	5794.52	0.5	PASS		
	106Tone	RU53		17.12	5775.40	5792.52	0.5	PASS			
		RU54		17.12	5777.40	5794.52	0.5	PASS			
		Ant-1		5825	26Tone	RU0	2.08	5815.44	5817.52	0.5	PASS
						RU4	2.64	5823.64	5826.28	0.5	PASS
						RU8	2.12	5832.40	5834.52	0.5	PASS
					52Tone	RU37	17.08	5815.44	5832.52	0.5	PASS
	RU39		3.96			5826.32	5830.28	0.5	PASS		
	RU40		4.08			5830.40	5834.48	0.5	PASS		
	106Tone		RU53	17.12	5815.40	5832.52	0.5	PASS			
			RU54	17.12	5817.40	5834.52	0.5	PASS			
			Ant-3	5825	26Tone	RU0	2.04	5815.44	5817.48	0.5	PASS
						RU4	2.68	5823.64	5826.32	0.5	PASS
						RU8	2.04	5832.44	5834.48	0.5	PASS
					52Tone	RU37	17.04	5815.44	5832.48	0.5	PASS
	RU39	4.00				5826.32	5830.32	0.5	PASS		
	RU40	4.08				5830.40	5834.48	0.5	PASS		
	106Tone	RU53		17.12	5815.40	5832.52	0.5	PASS			
RU54		17.12		5817.40	5834.52	0.5	PASS				
11AX40M IMO		Ant-1		5755	106Tone	RU53	16.64	5735.96	5752.60	0.5	PASS
						RU56	16.64	5757.40	5774.04	0.5	PASS
					242Tone	RU61	18.80	5735.96	5754.76	0.5	PASS
						RU62	18.80	5755.24	5774.04	0.5	PASS
	Ant-3	5755	106Tone	RU53	16.64	5735.96	5752.60	0.5	PASS		
				RU56	16.64	5757.40	5774.04	0.5	PASS		
			242Tone	RU61	18.80	5735.96	5754.76	0.5	PASS		
				RU62	18.80	5755.24	5774.04	0.5	PASS		
	Ant-1	5795	106Tone	RU53	16.64	5775.96	5792.60	0.5	PASS		
				RU56	16.64	5797.40	5814.04	0.5	PASS		
			242Tone	RU61	18.80	5775.96	5794.76	0.5	PASS		
				RU62	18.80	5795.24	5814.04	0.5	PASS		

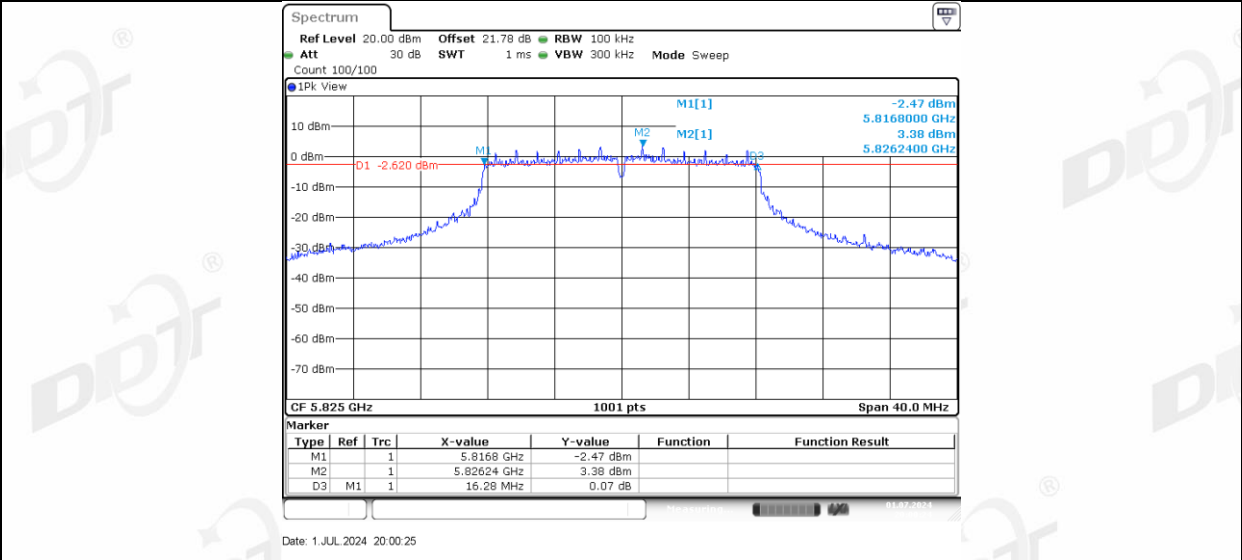
	Ant-3	5795	106Tone	RU53	16.48	5776.04	5792.52	0.5	PASS
				RU56	16.64	5797.40	5814.04	0.5	PASS
			242Tone	RU61	18.80	5775.96	5794.76	0.5	PASS
				RU62	18.88	5795.24	5814.12	0.5	PASS
				RU61	18.88	5735.96	5754.84	0.5	PASS
				RU64	18.72	5795.32	5814.04	0.5	PASS
11AX80M IMO	Ant-1	5775	484Tone	RU65	37.76	5735.96	5773.72	0.5	PASS
				RU66	37.60	5776.44	5814.04	0.5	PASS
			242Tone	RU61	18.88	5735.96	5754.84	0.5	PASS
				RU64	18.72	5795.32	5814.04	0.5	PASS
			484Tone	RU65	37.76	5735.96	5773.72	0.5	PASS
				RU66	37.60	5776.44	5814.04	0.5	PASS

5.5. Test graphs

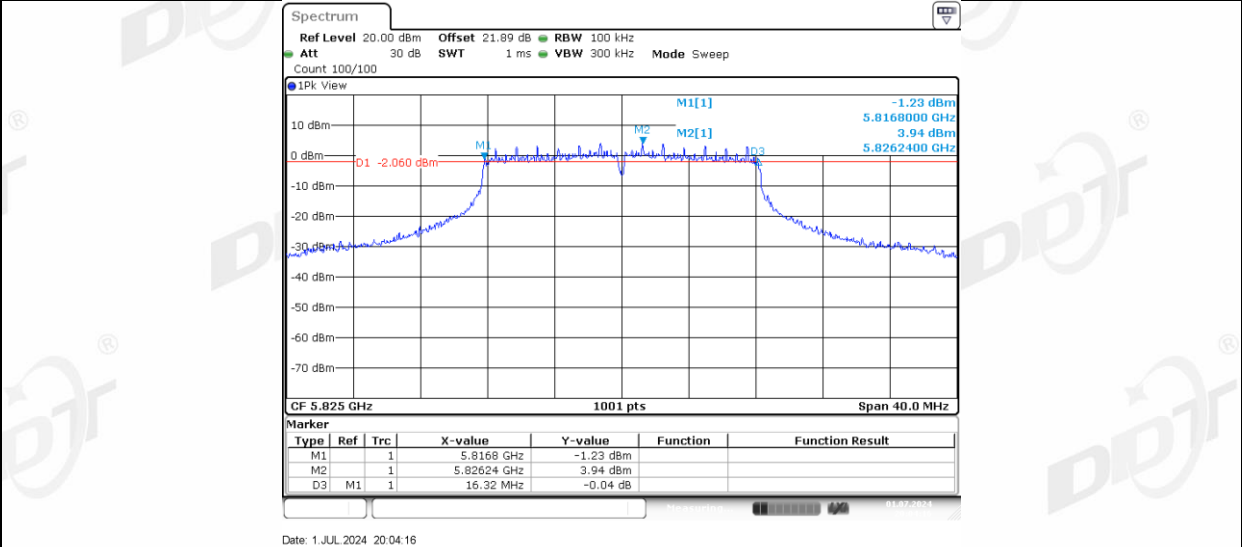




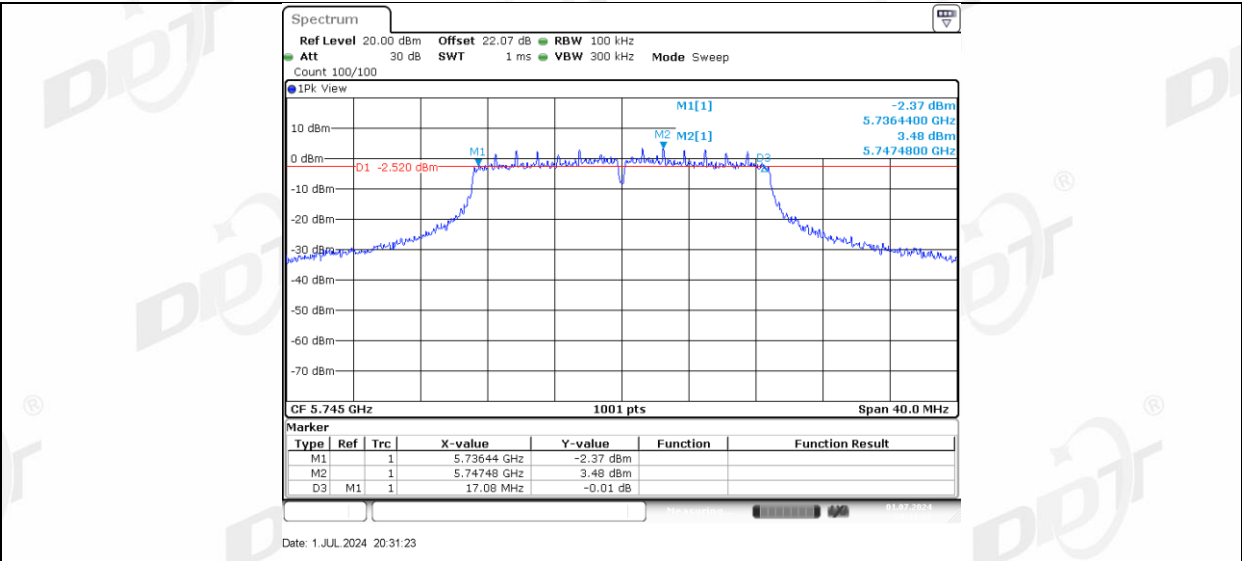
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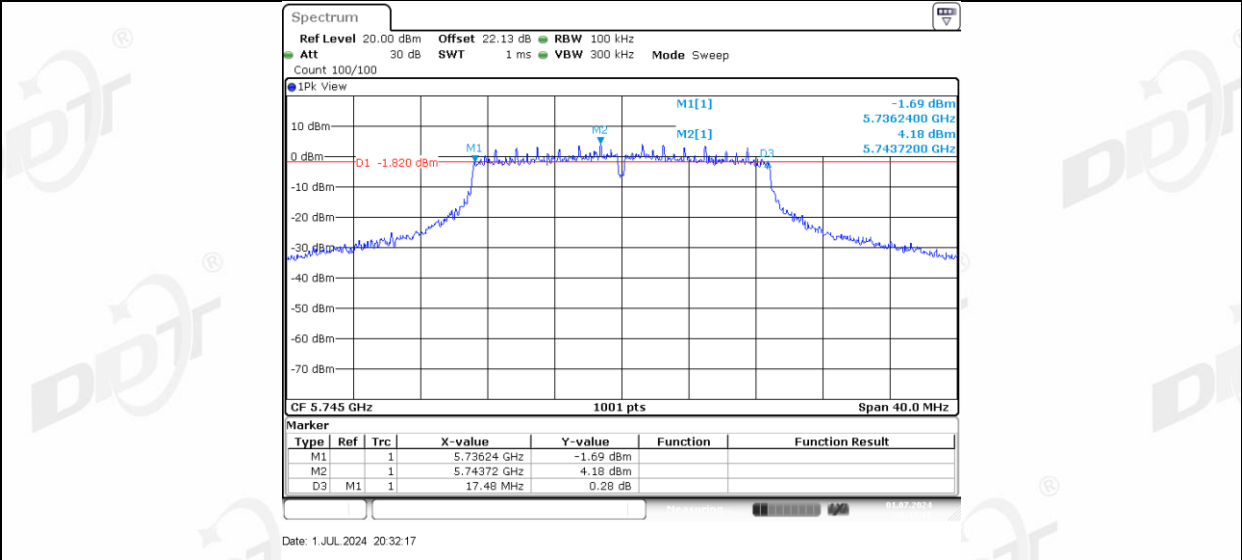
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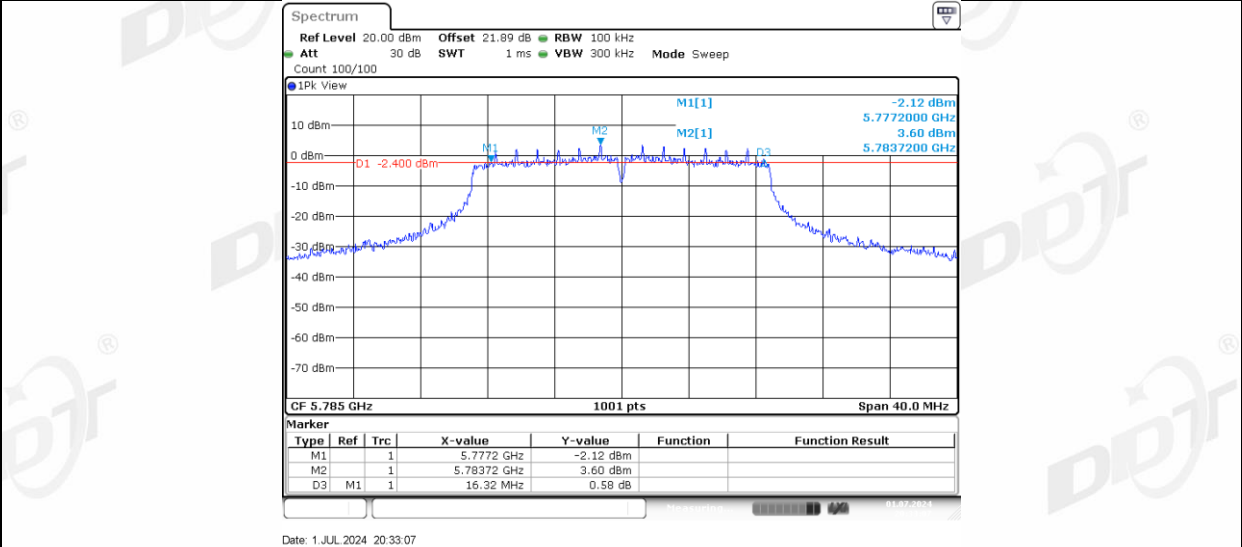
11N20MIMO_Ant-1_5745



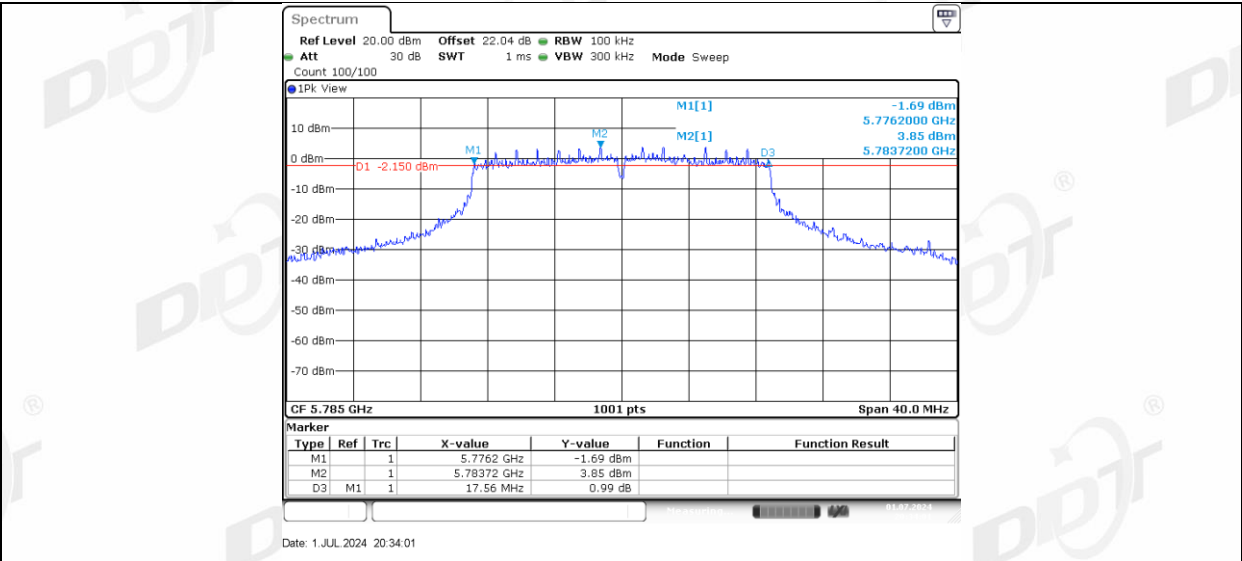
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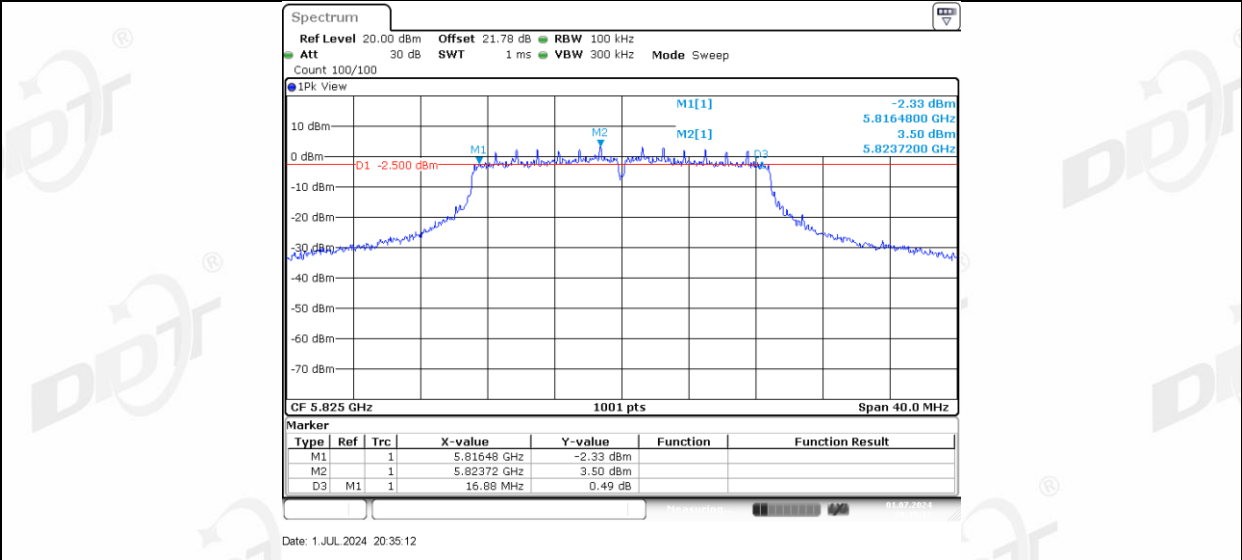
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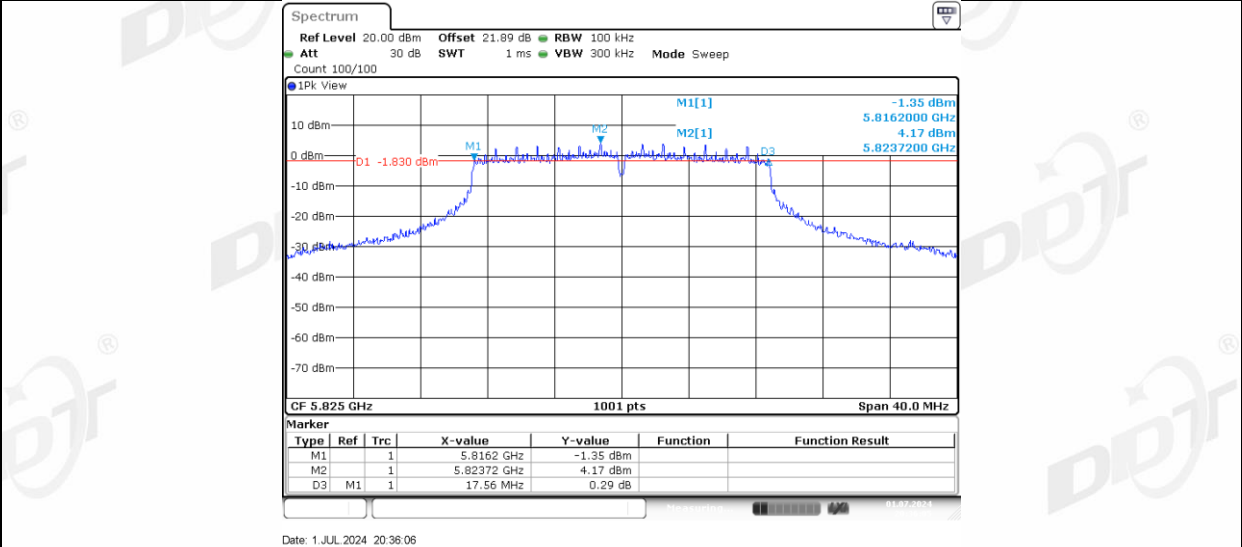
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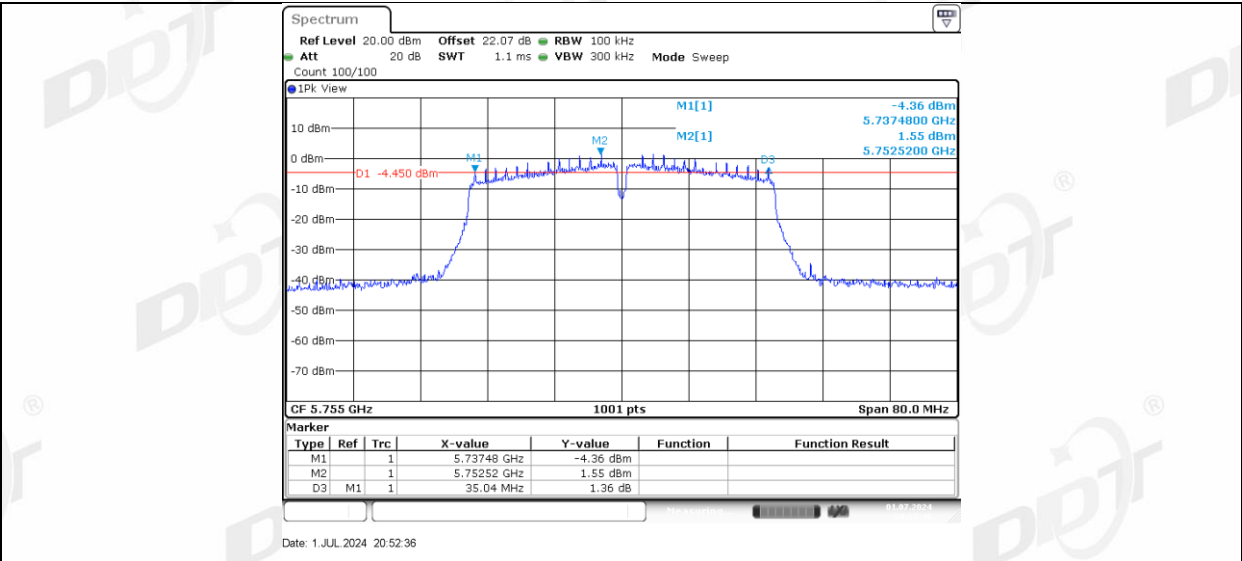
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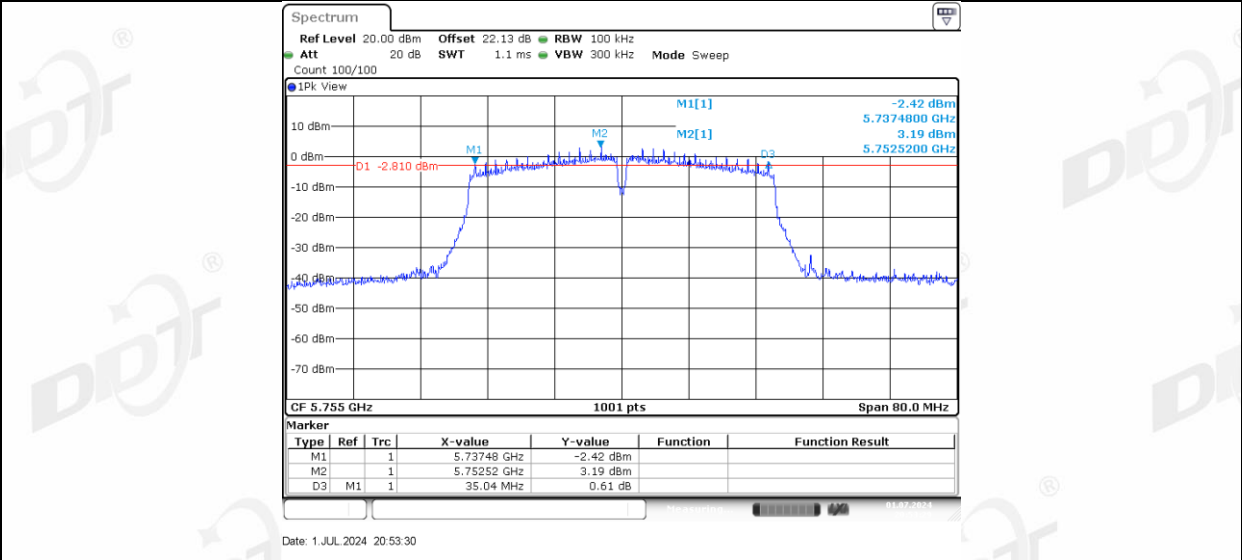
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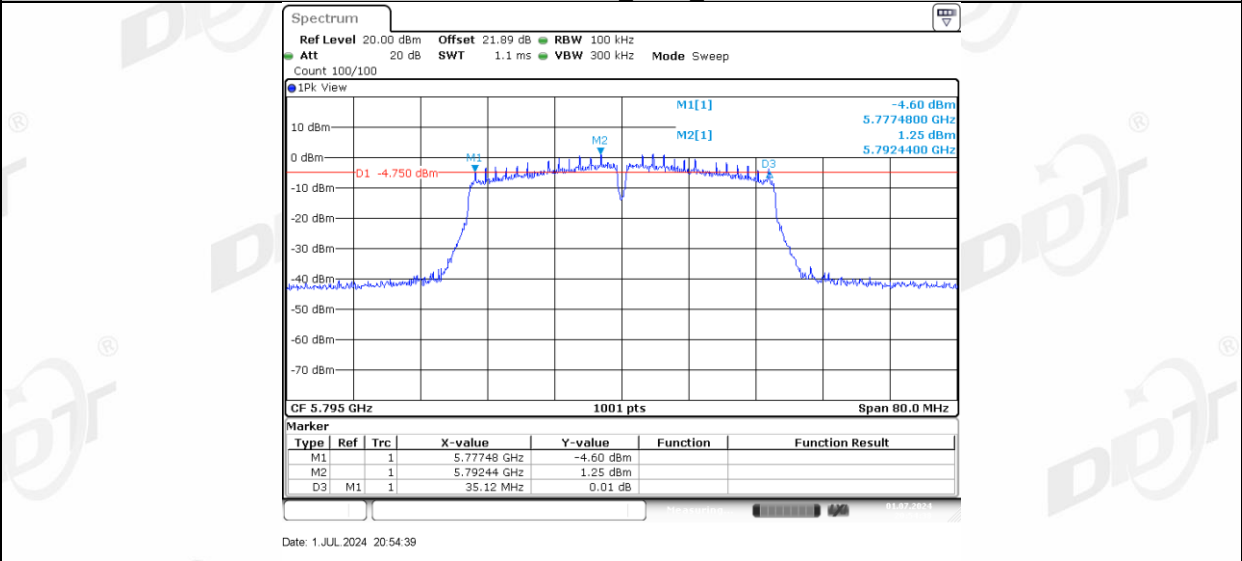
11N40MIMO_Ant-1_5755



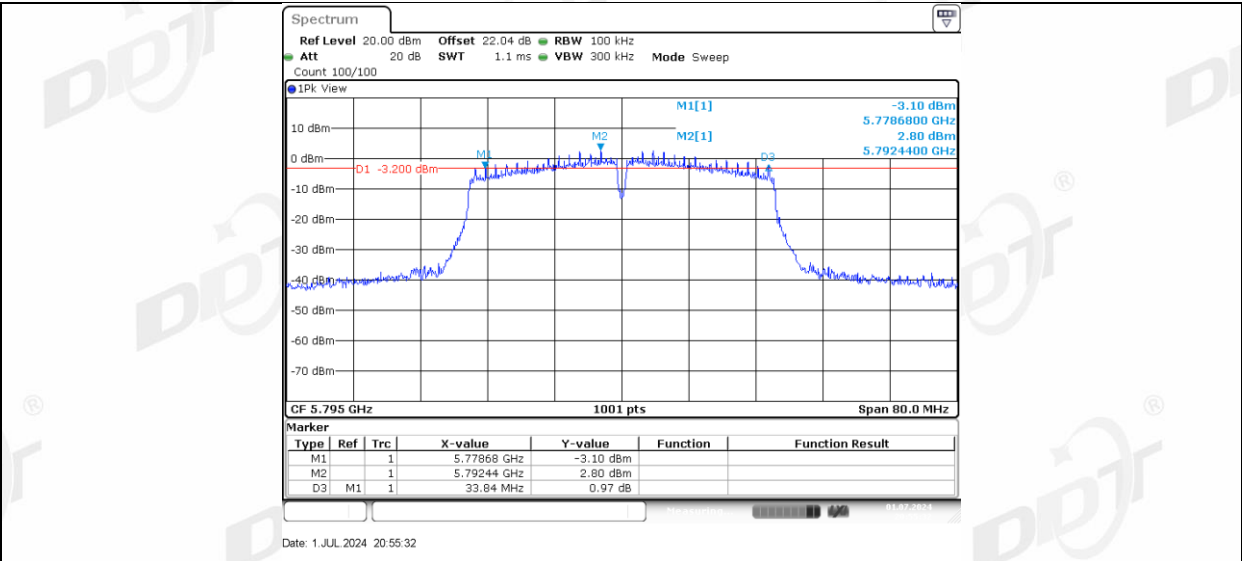
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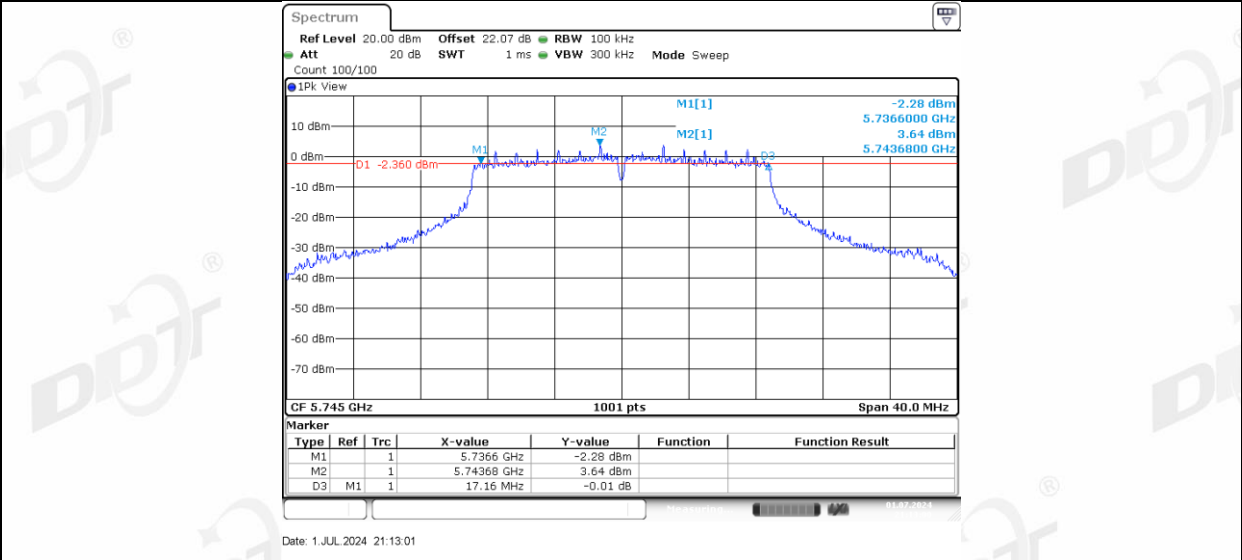
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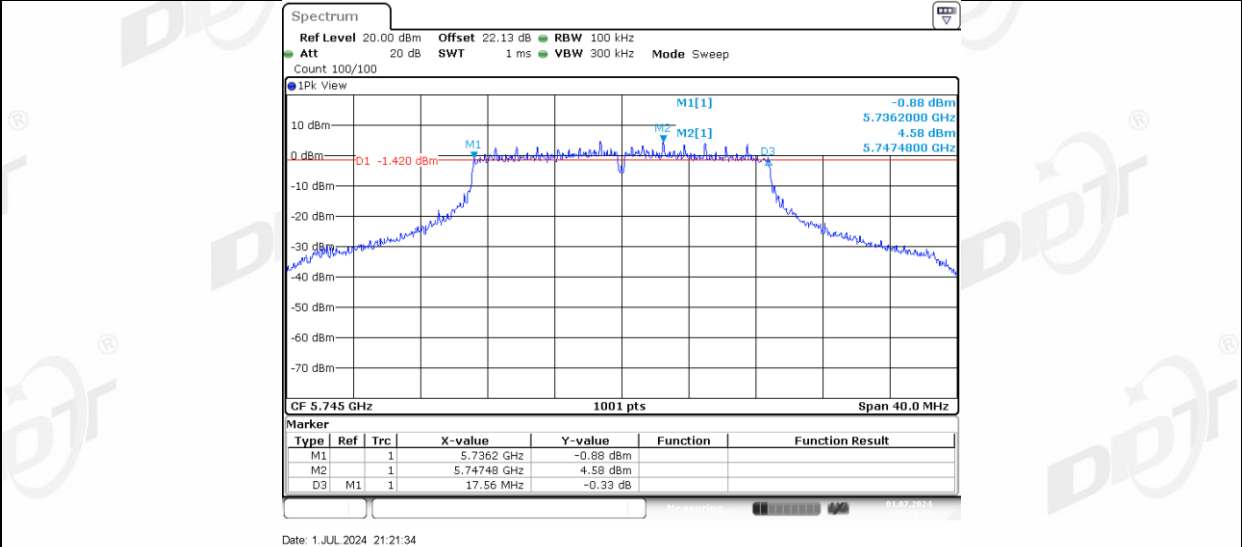
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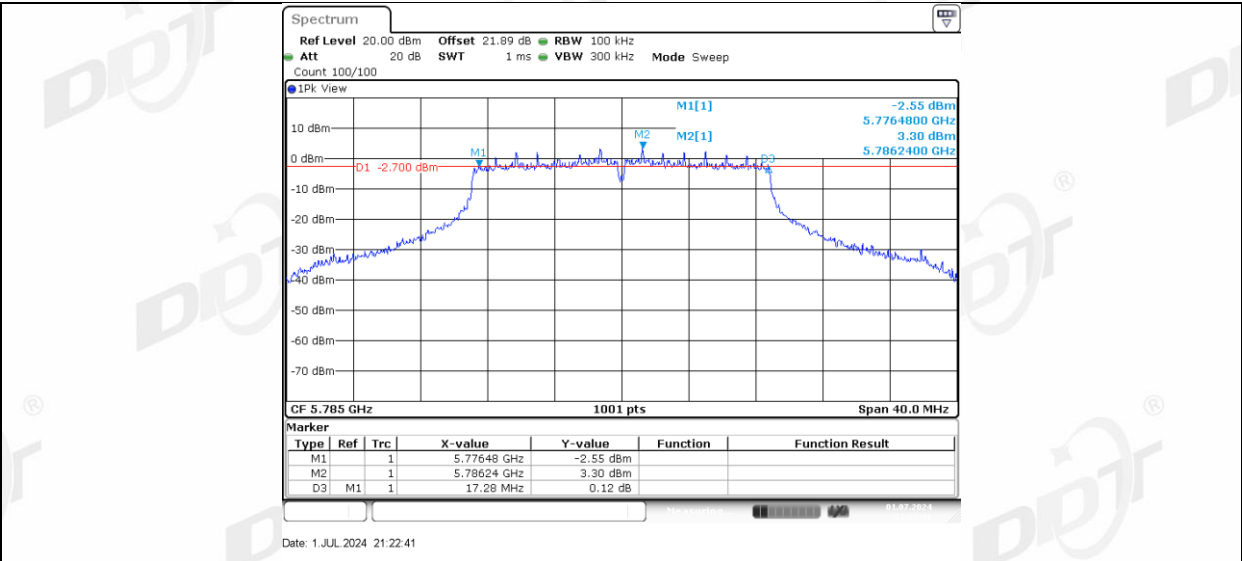
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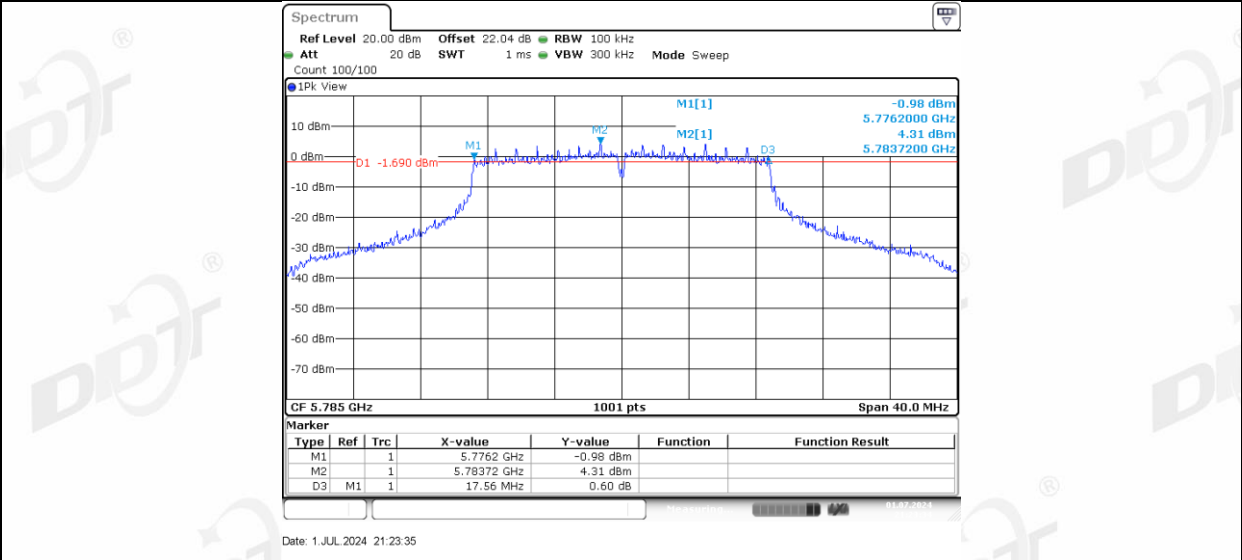
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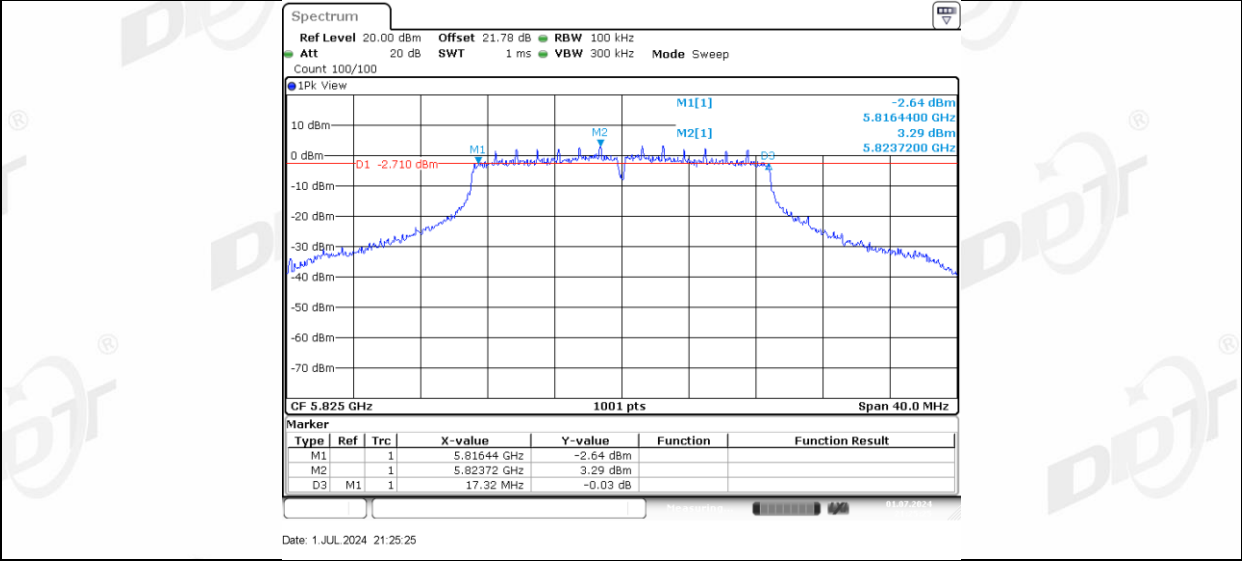
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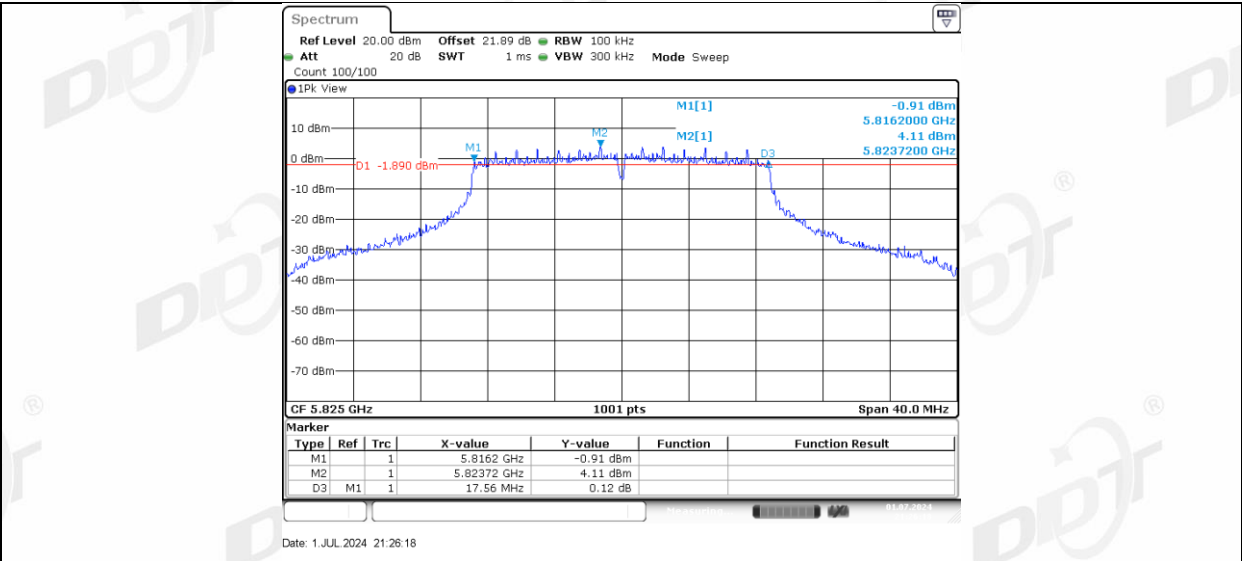
11AC20MIMO_Ant-3_5785



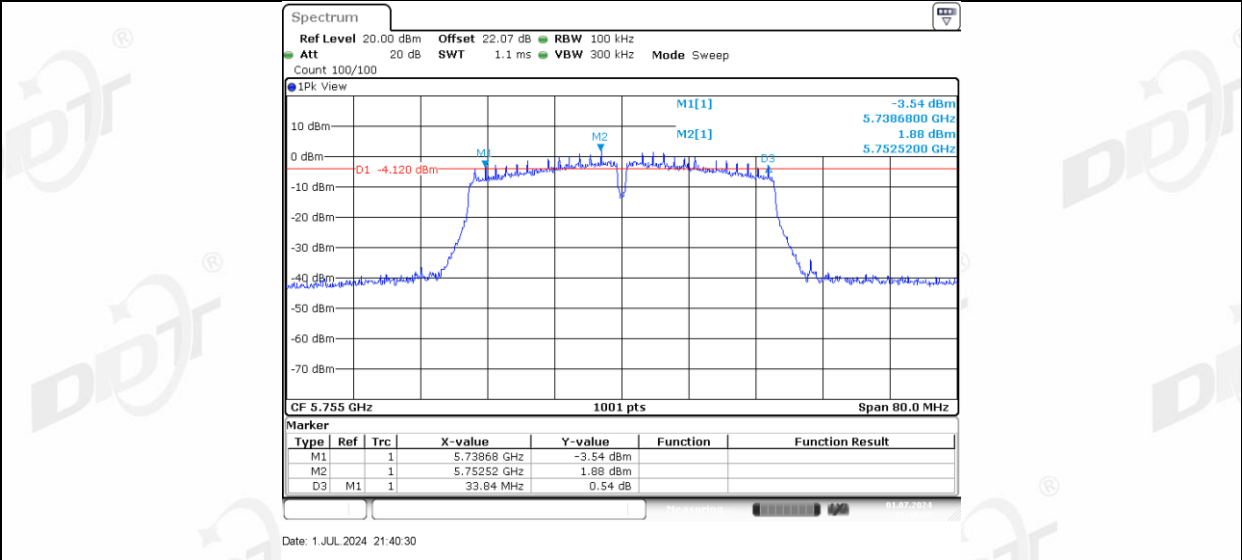
11AC20MIMO_Ant-1_5825



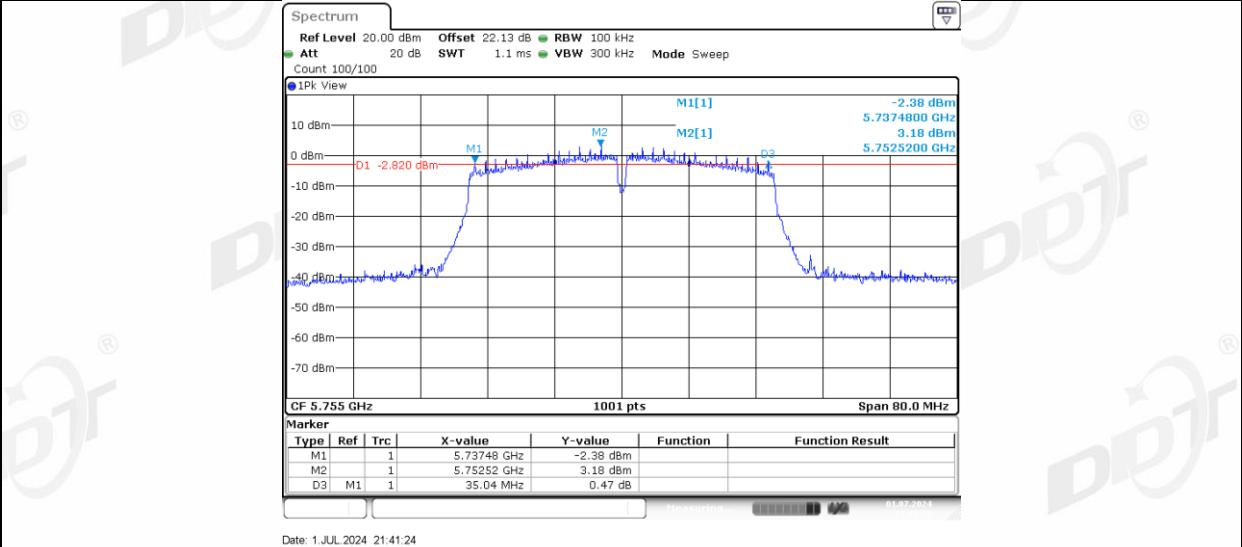
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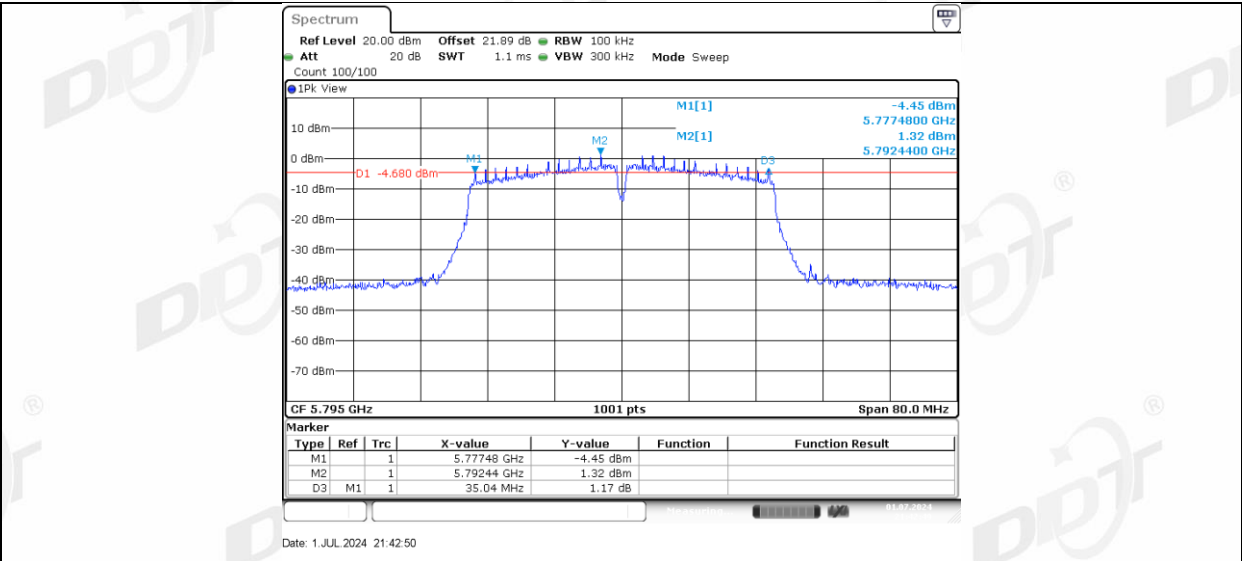
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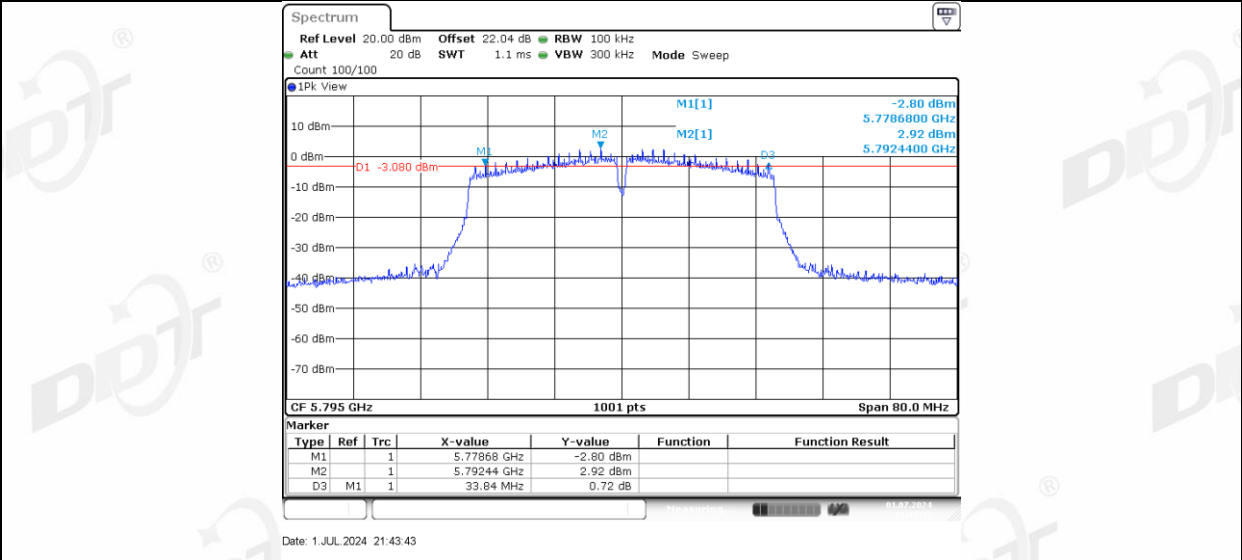
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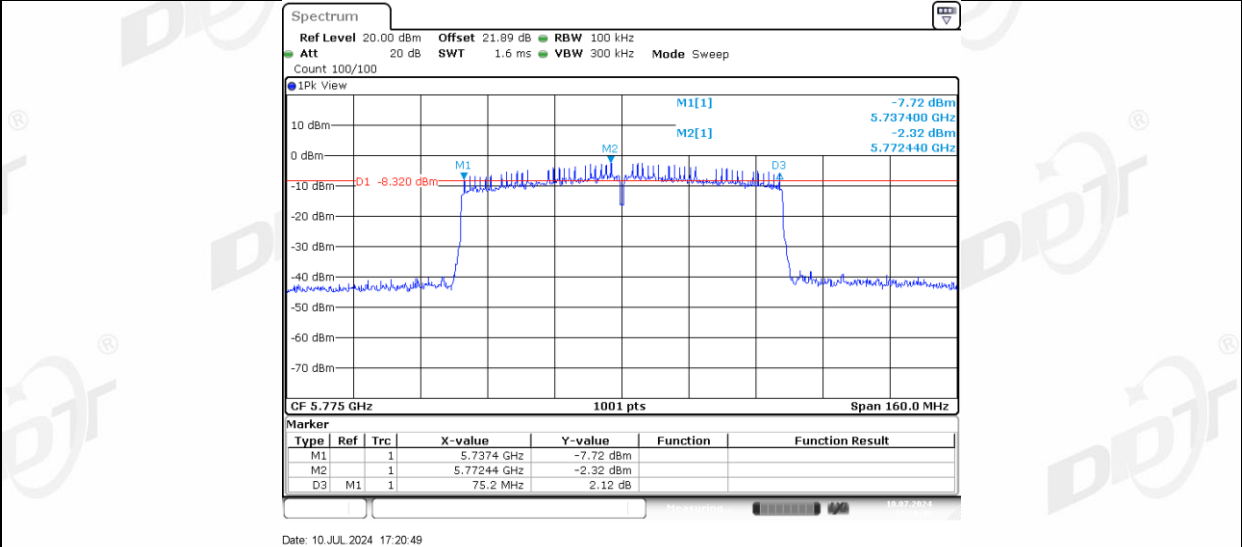
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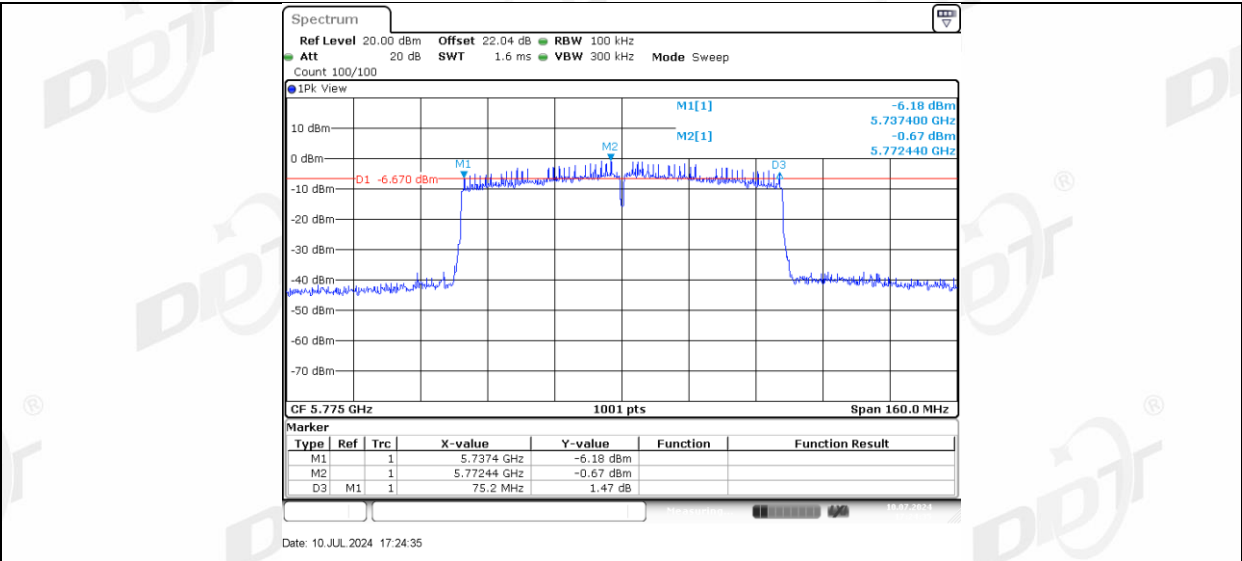
11AC40MIMO_Ant-3_5795



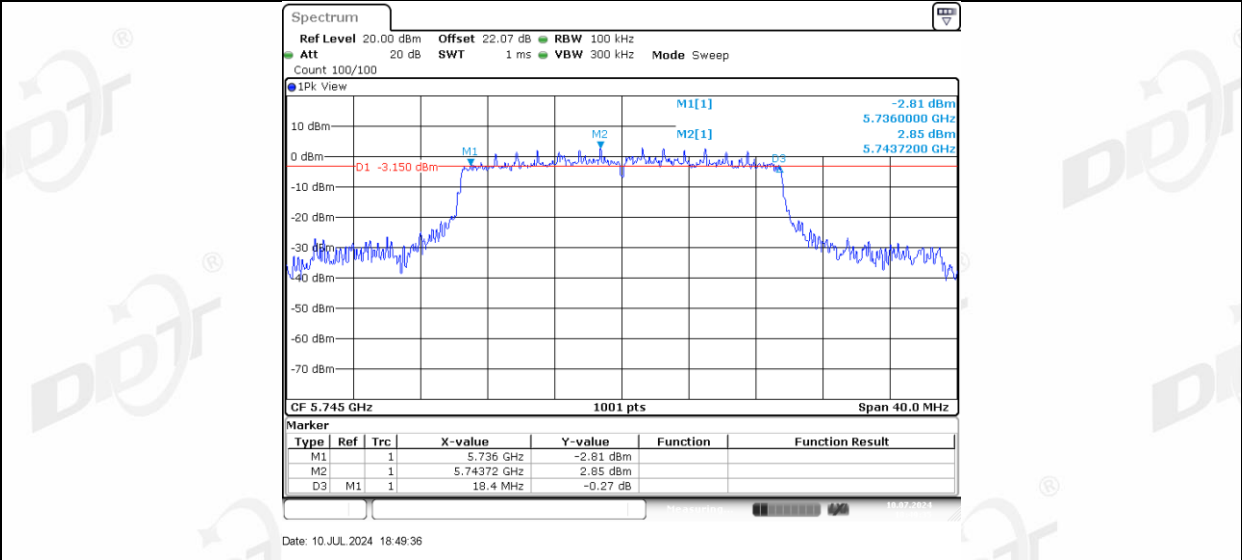
11AC80MIMO_Ant-1_5775



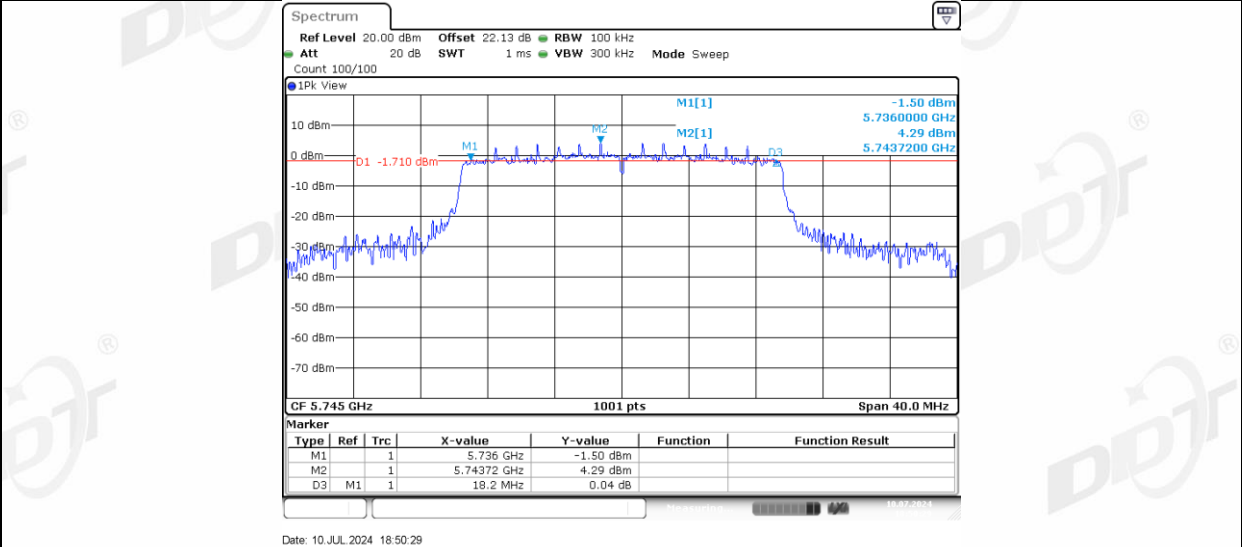
11AC80MIMO_Ant-3_5775



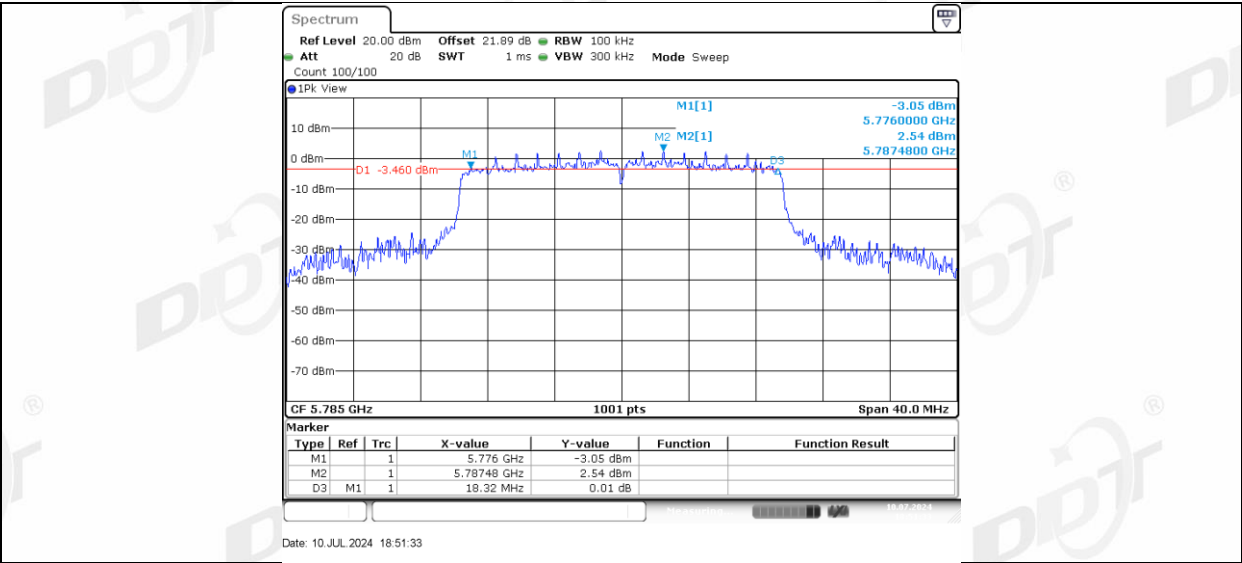
11AX20MIMO_Ant-1_5745



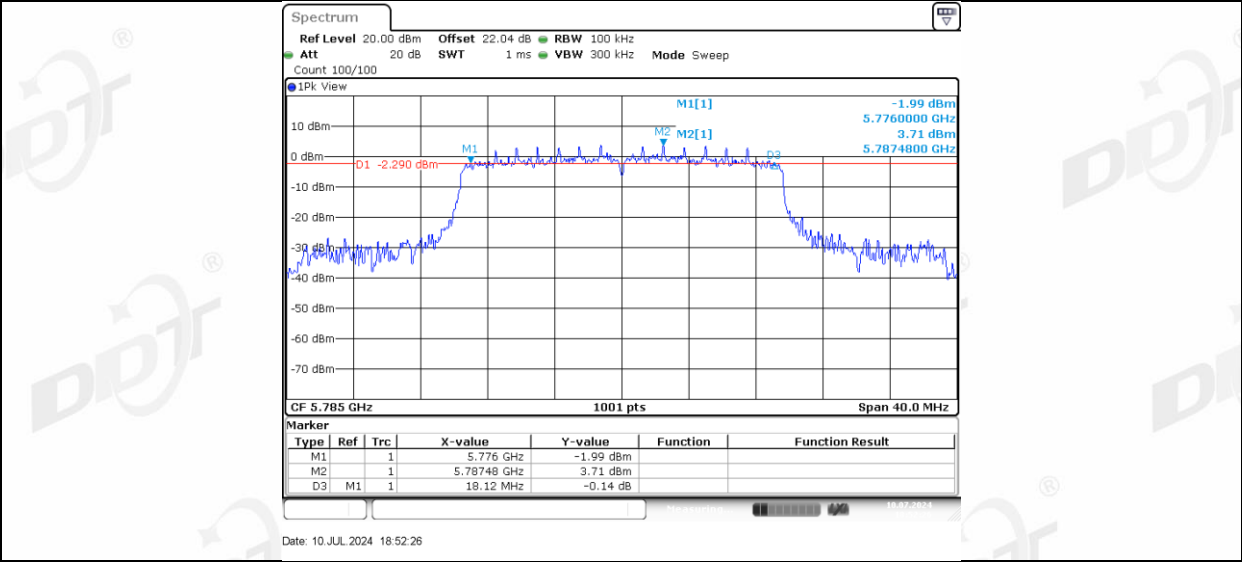
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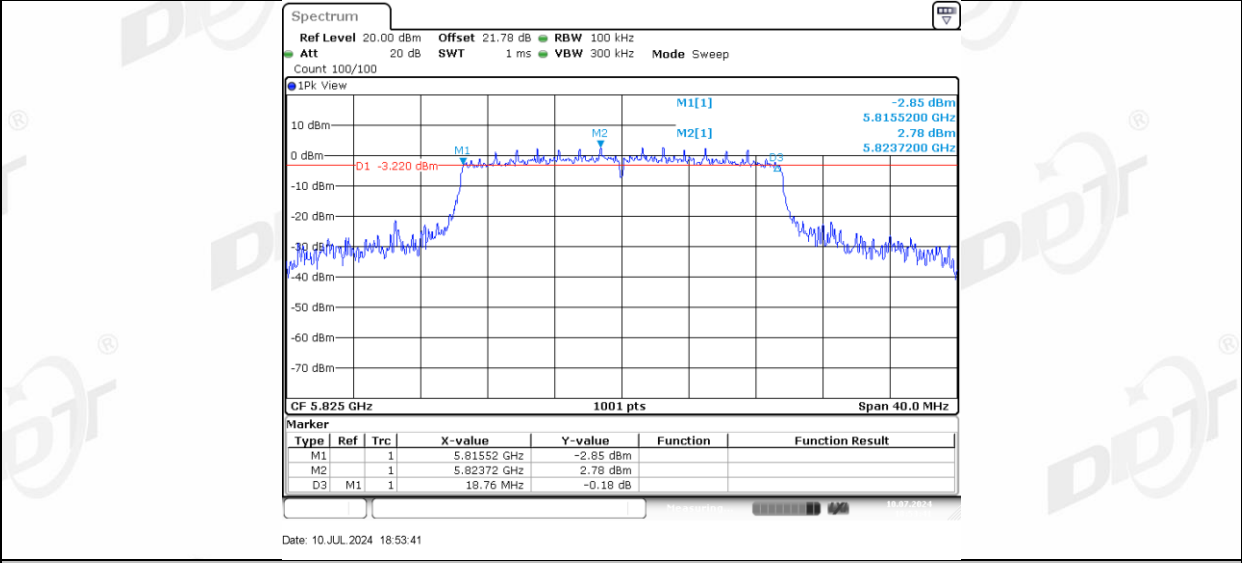
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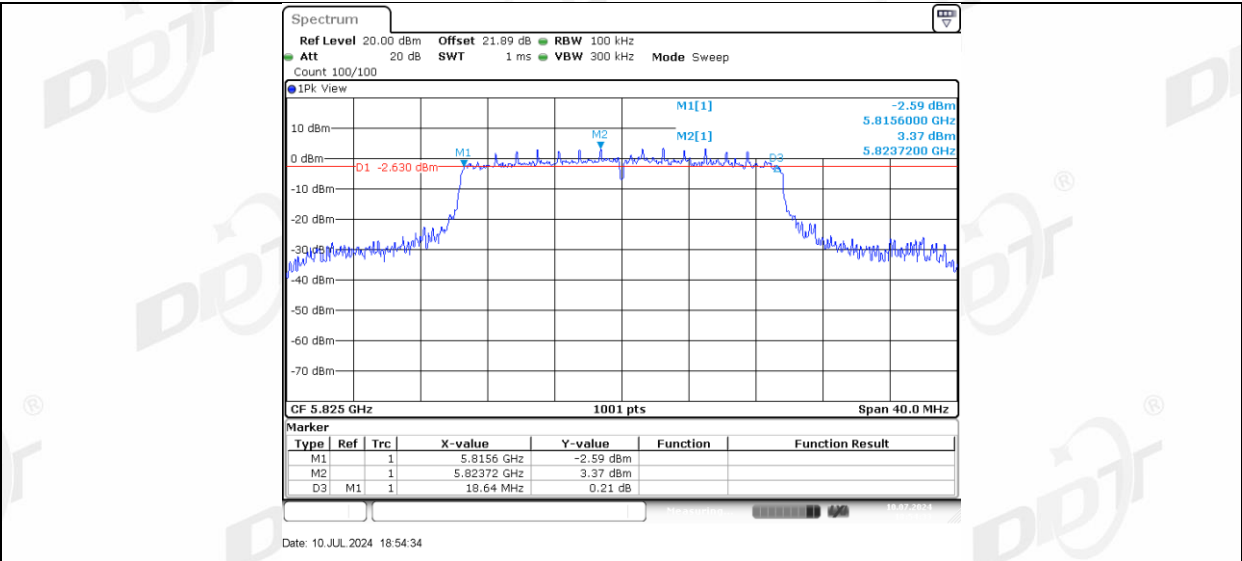
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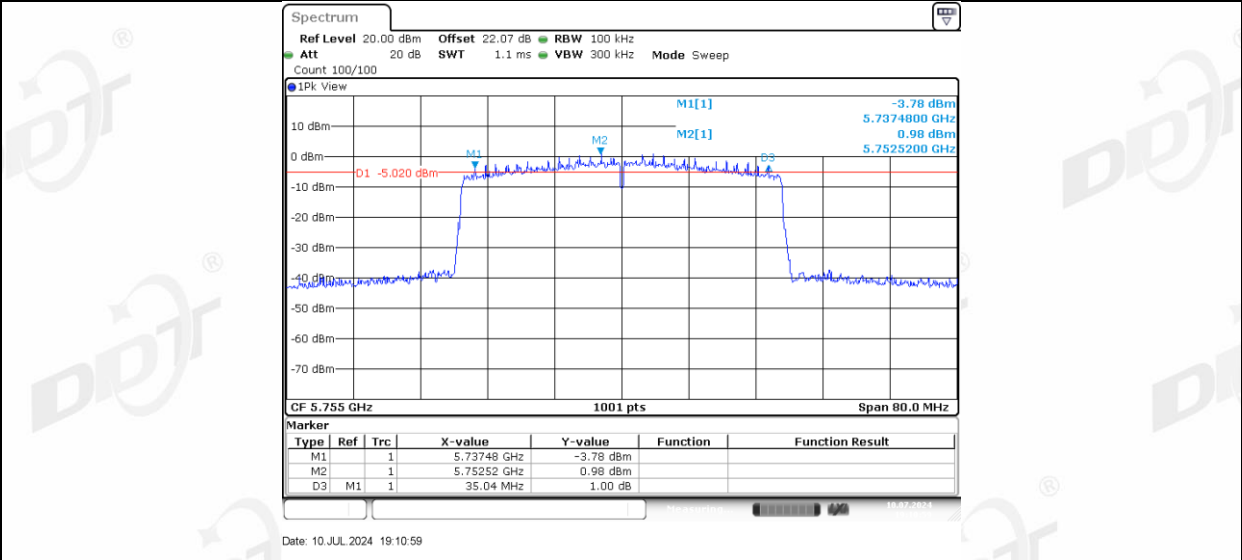
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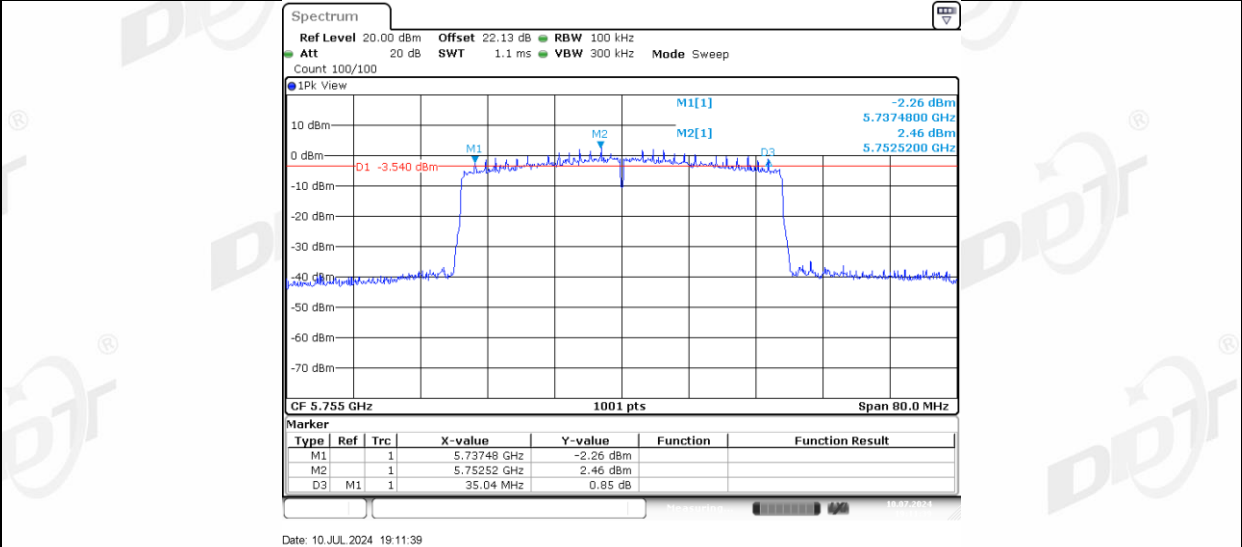
11AX20MIMO_Ant-3_5825



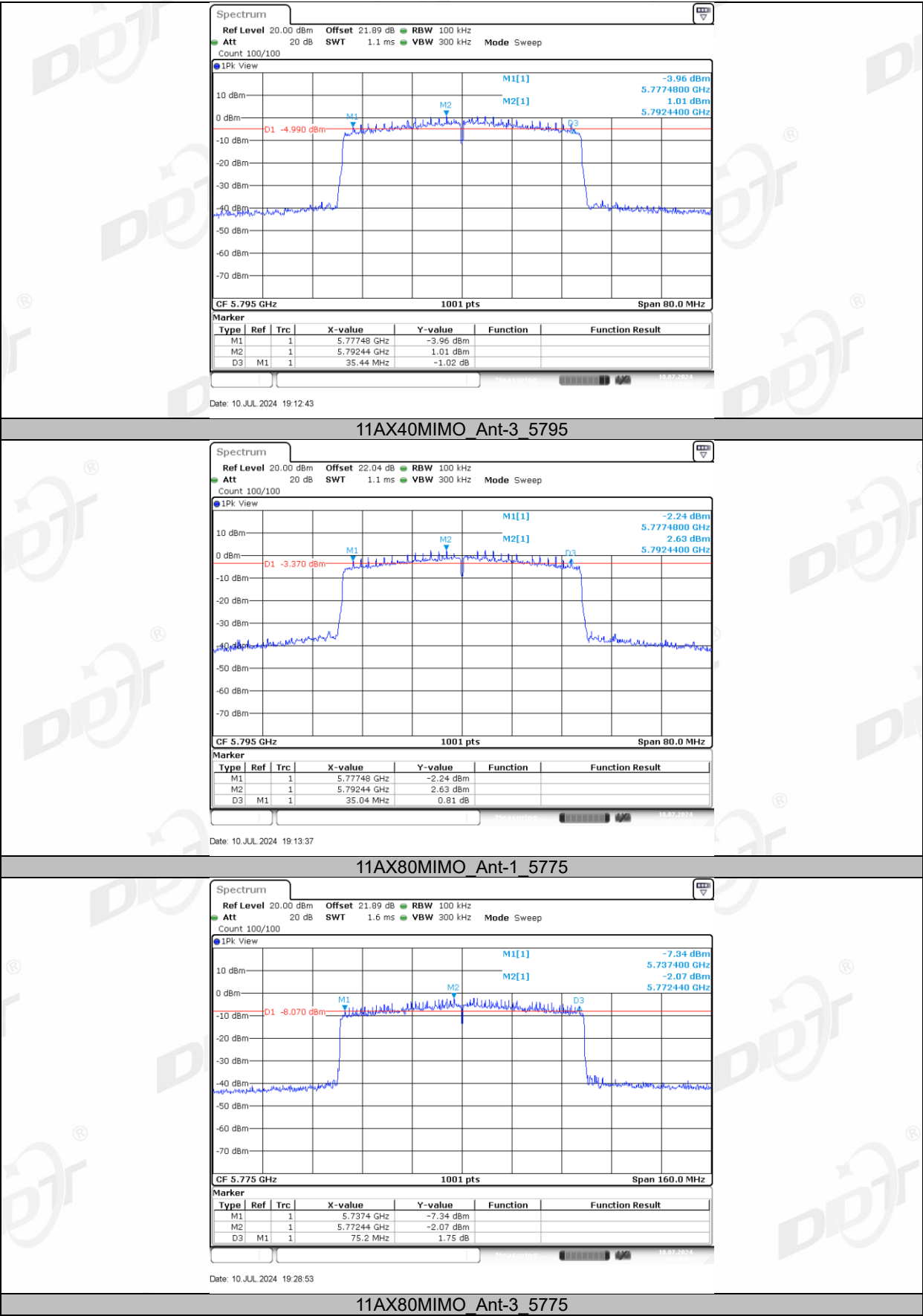
11AX40MIMO_Ant-1_5755

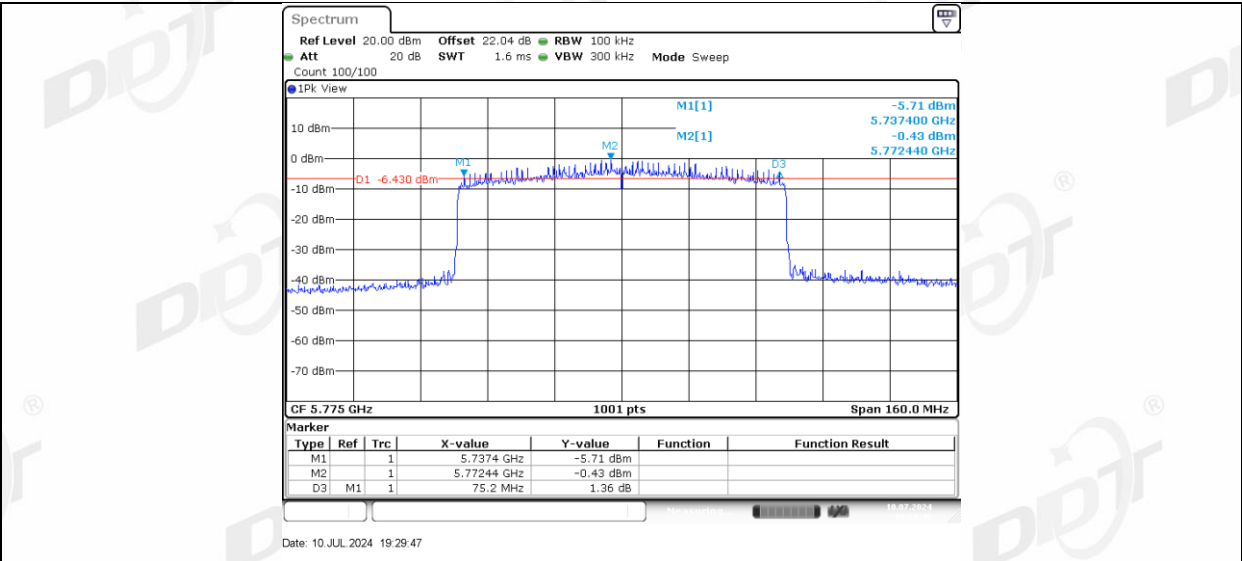


11AX40MIMO_Ant-3_5755

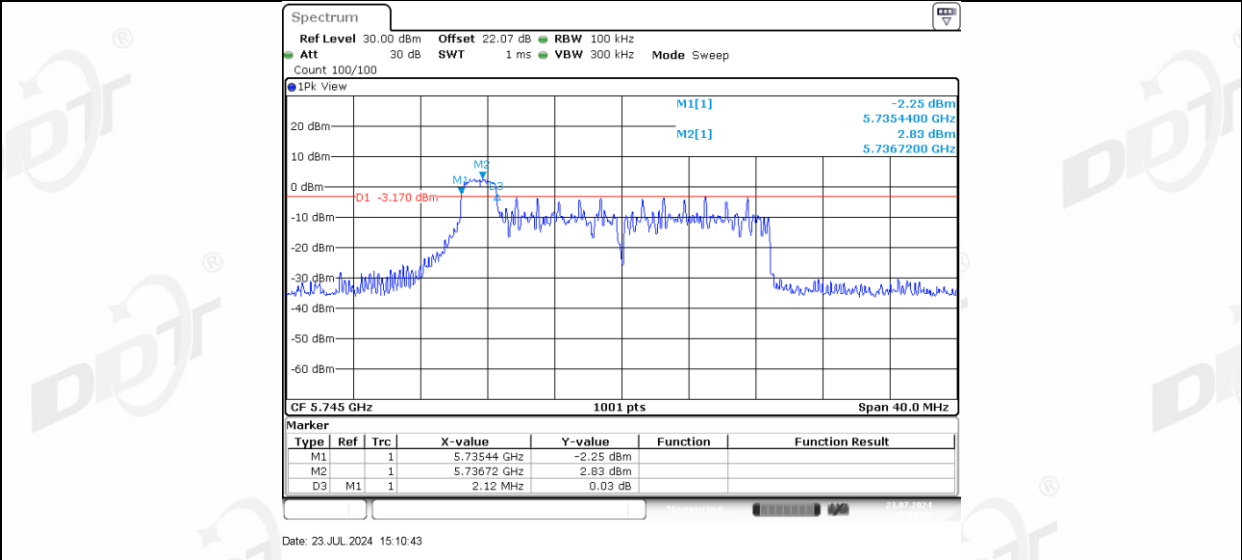


11AX40MIMO_Ant-1_5795

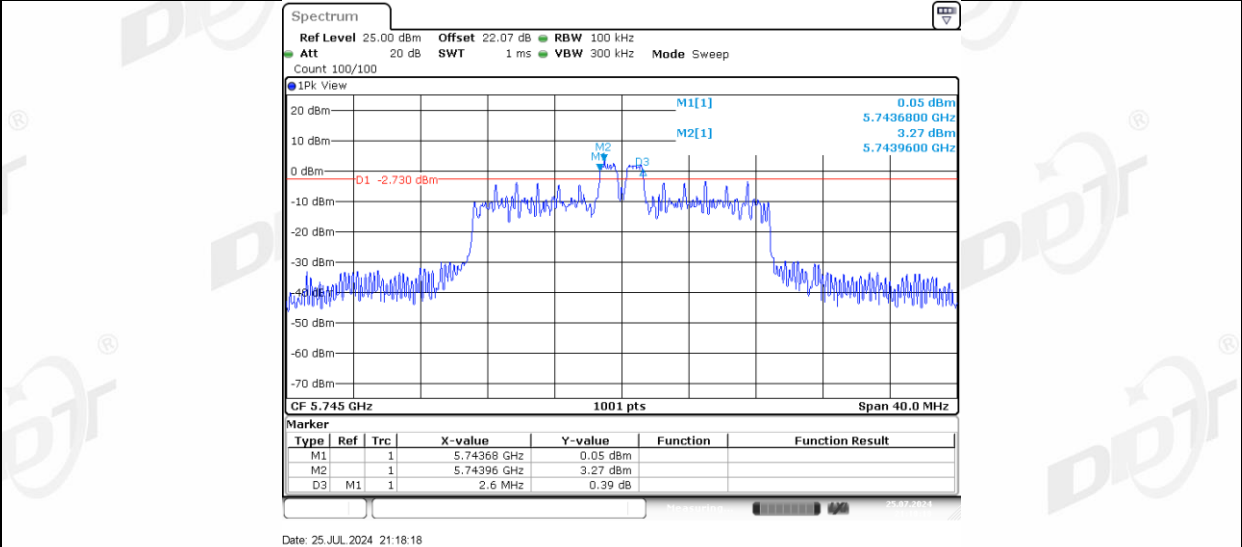




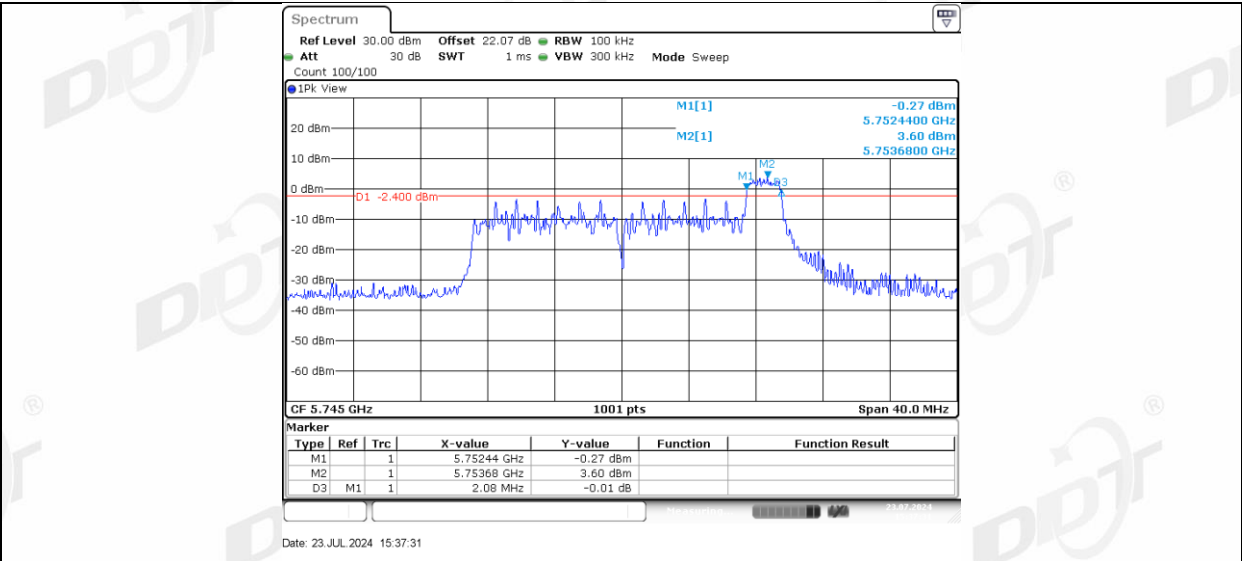
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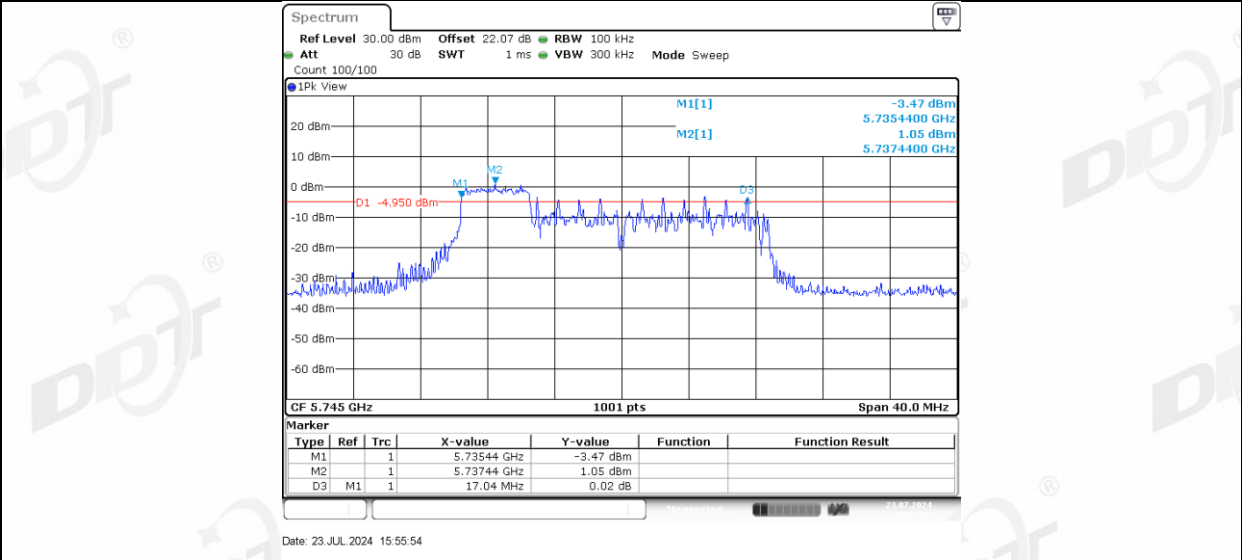
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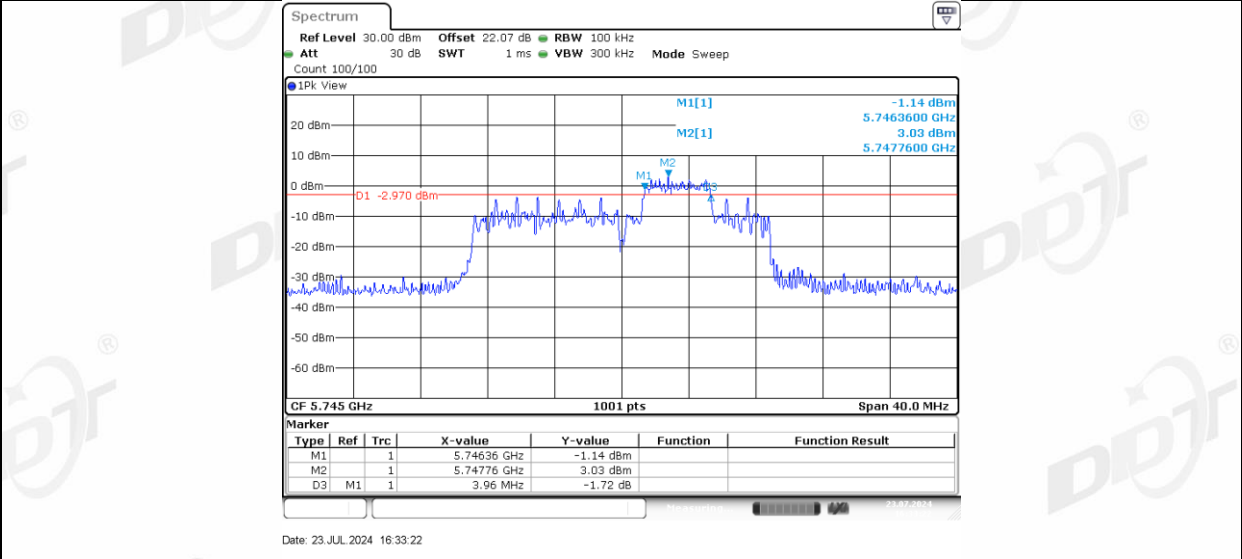
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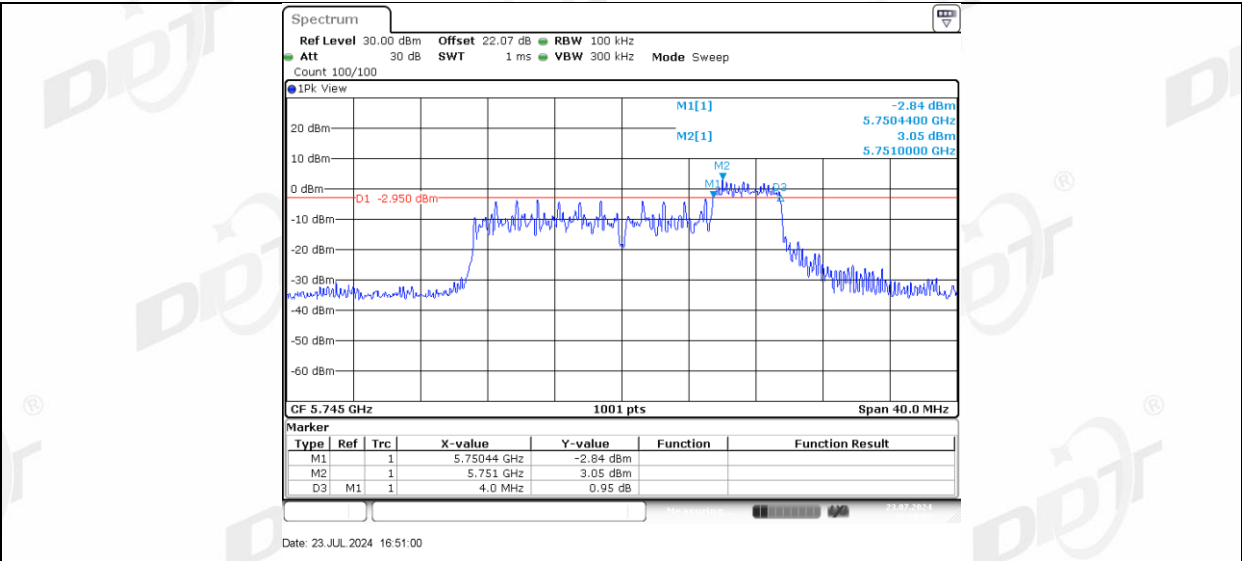
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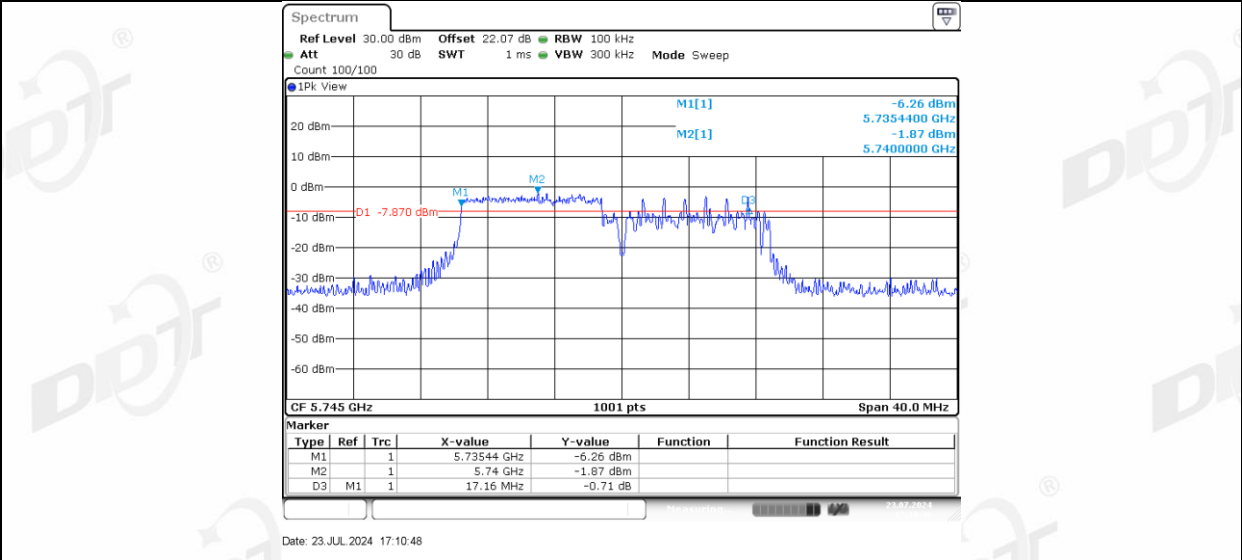
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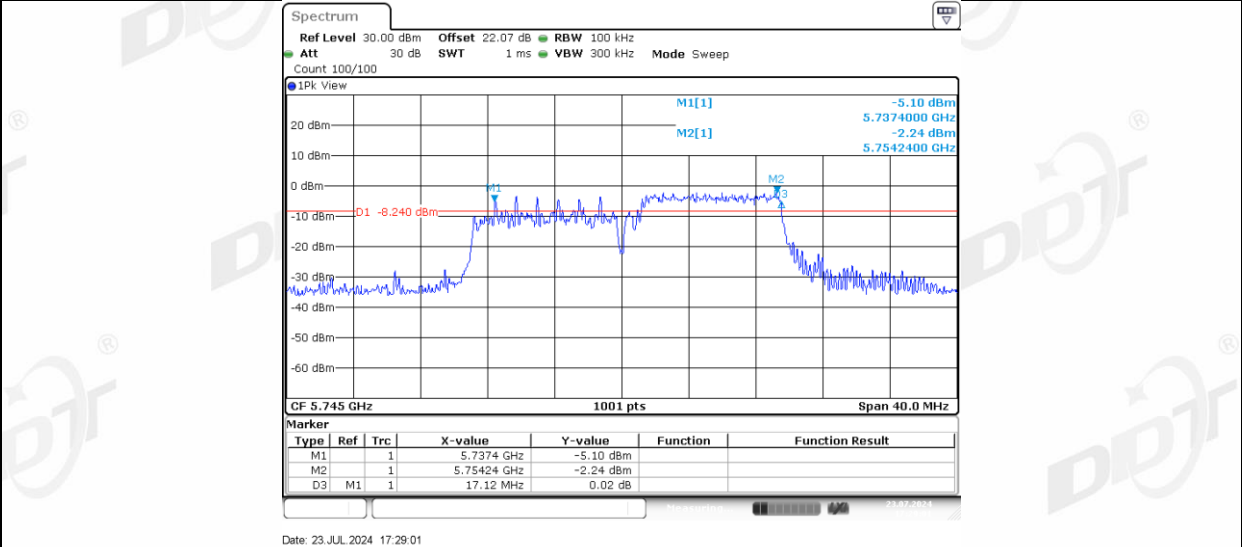
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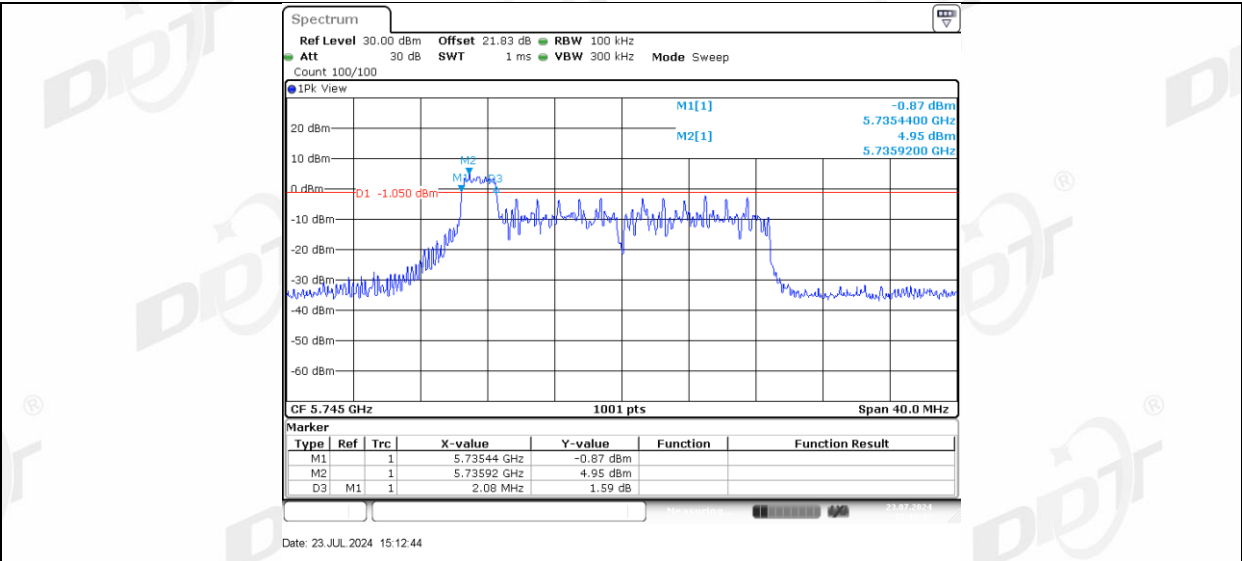
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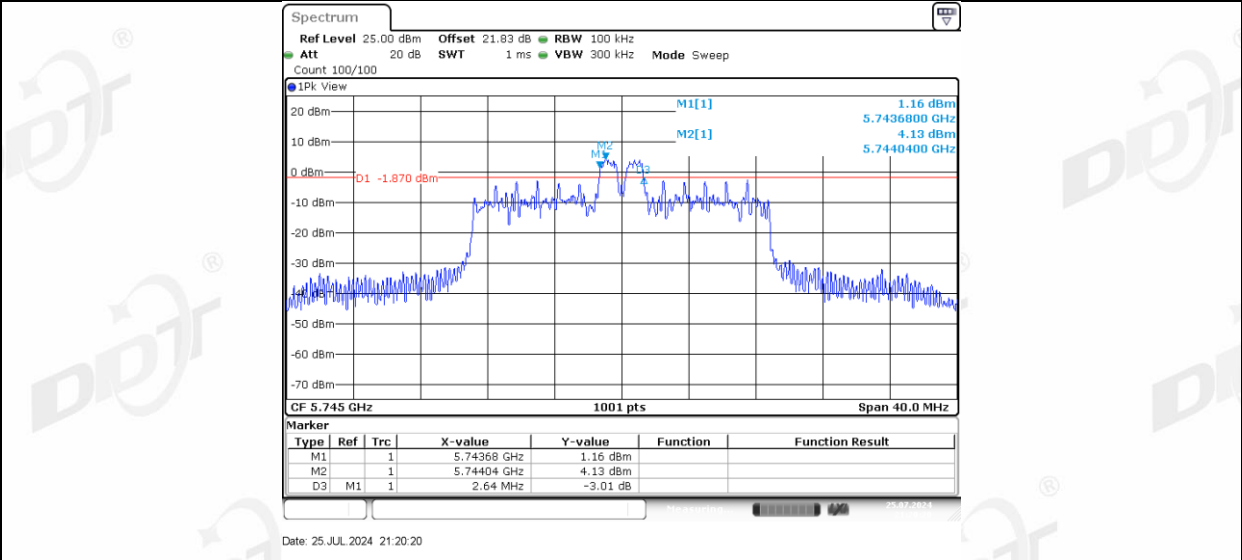
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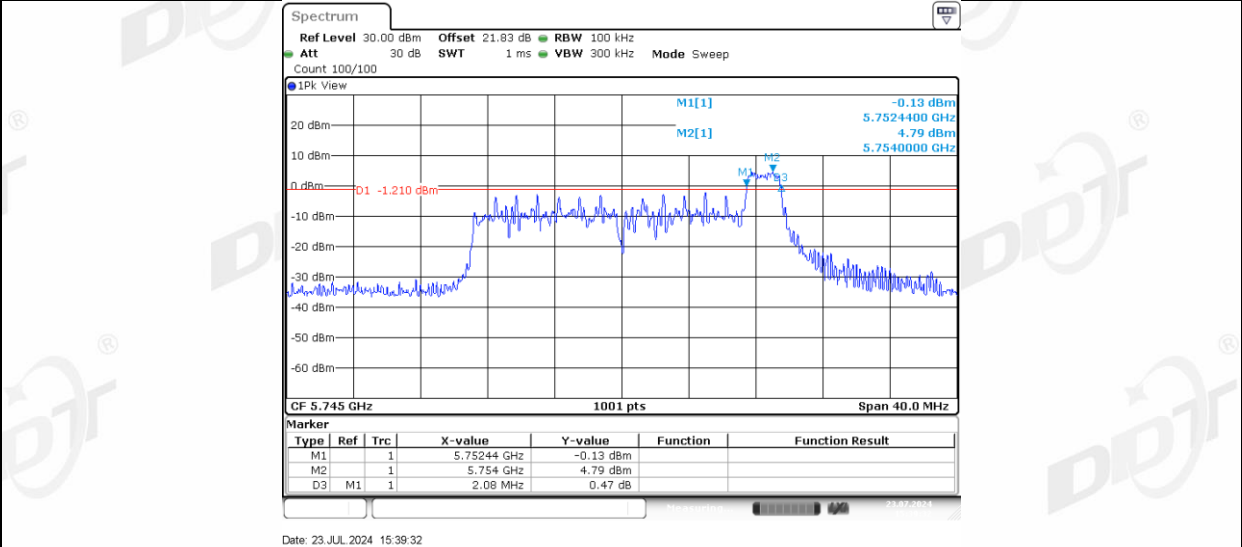
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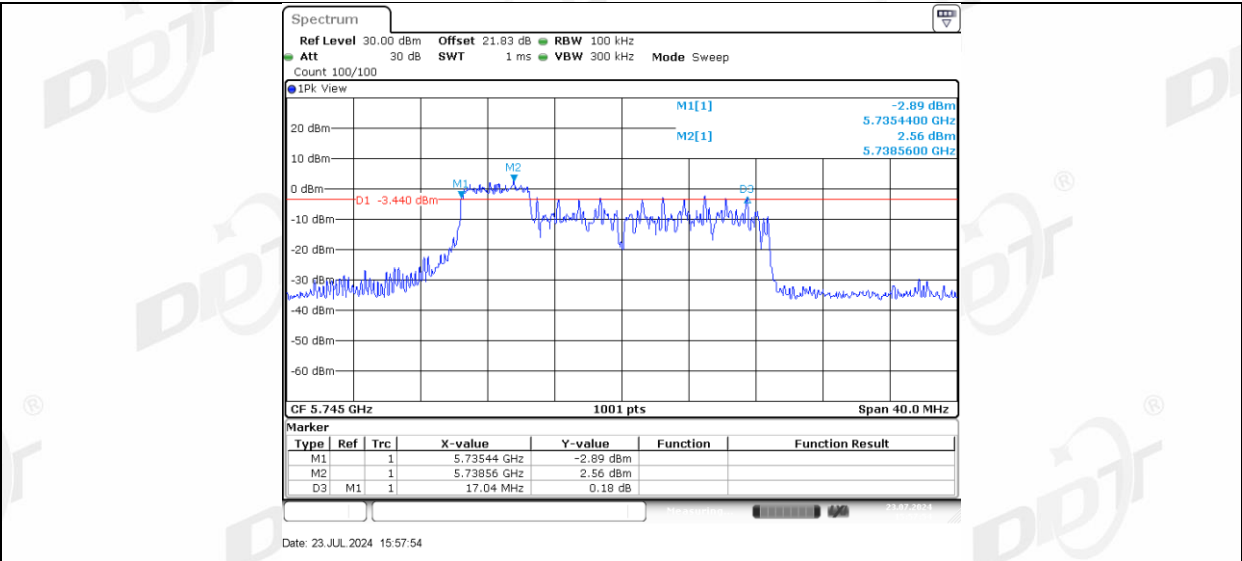
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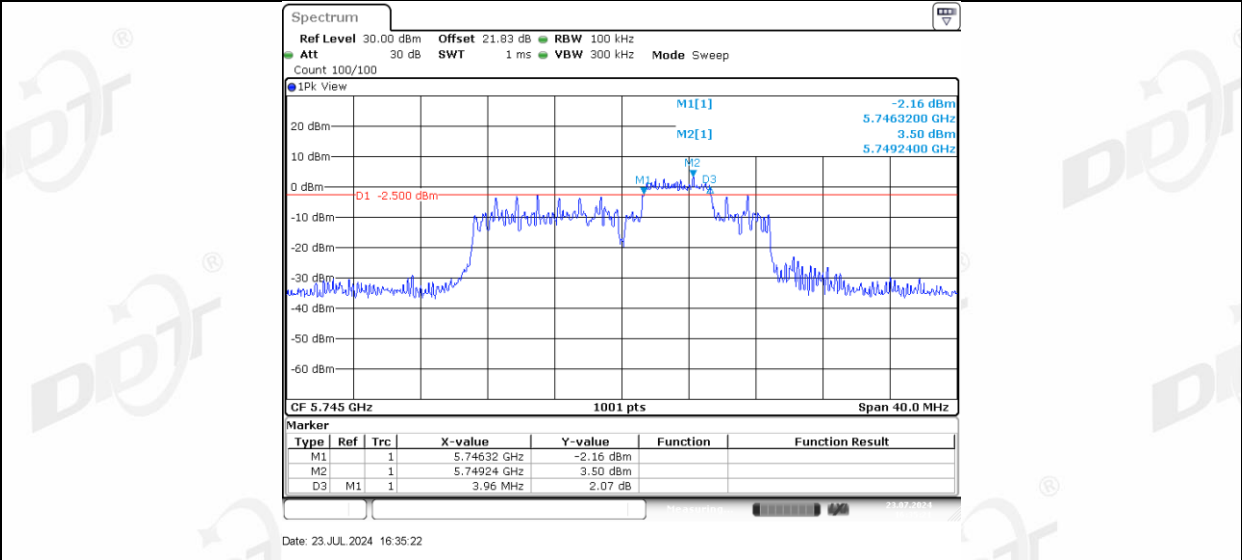
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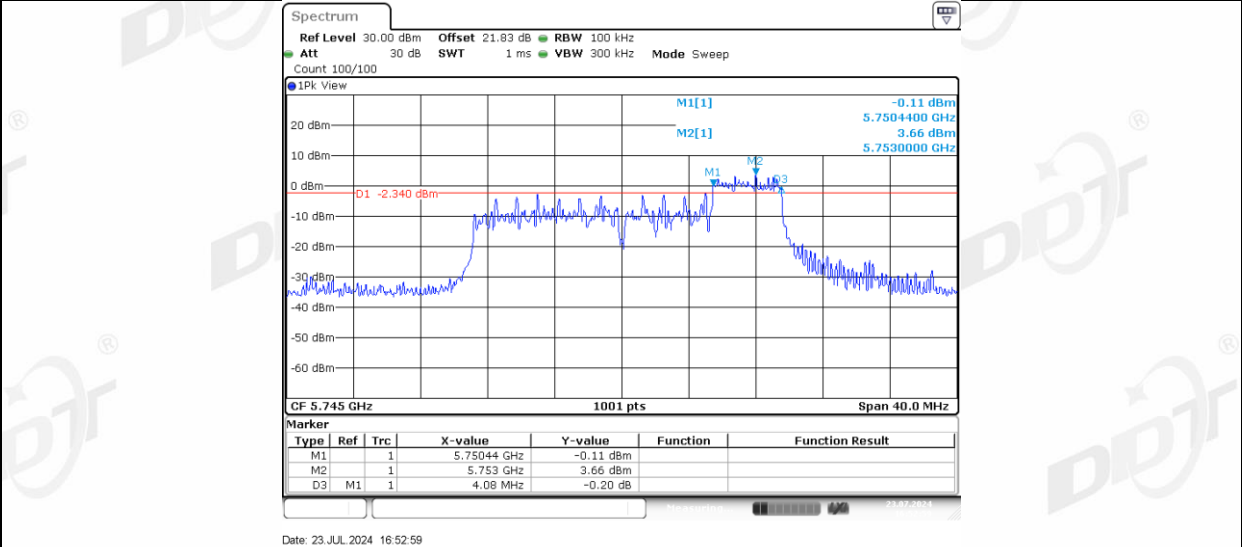
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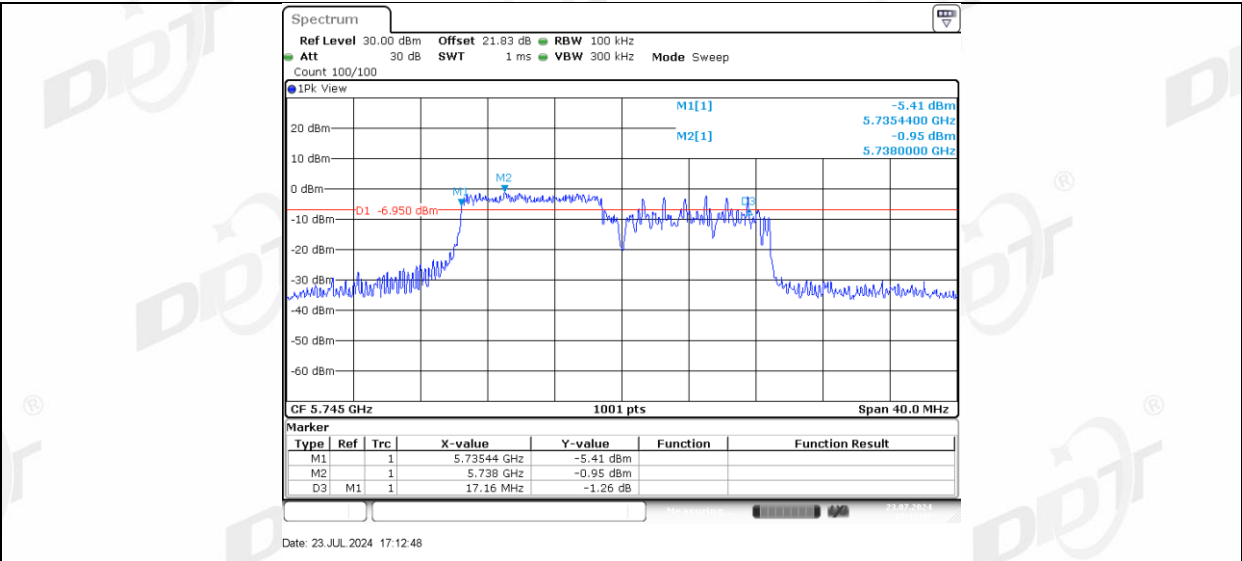
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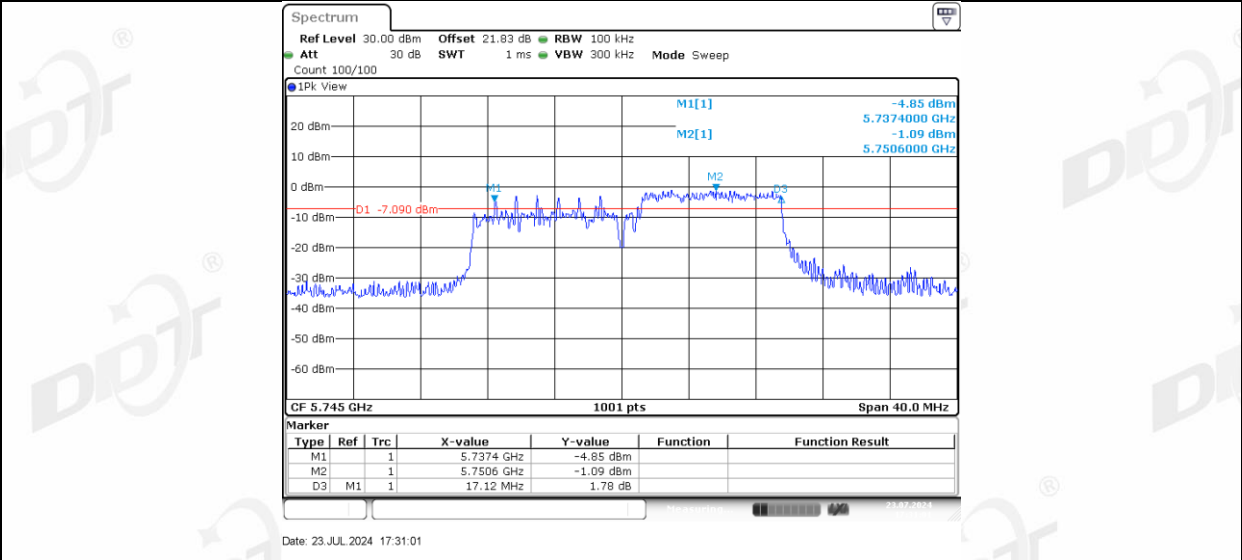
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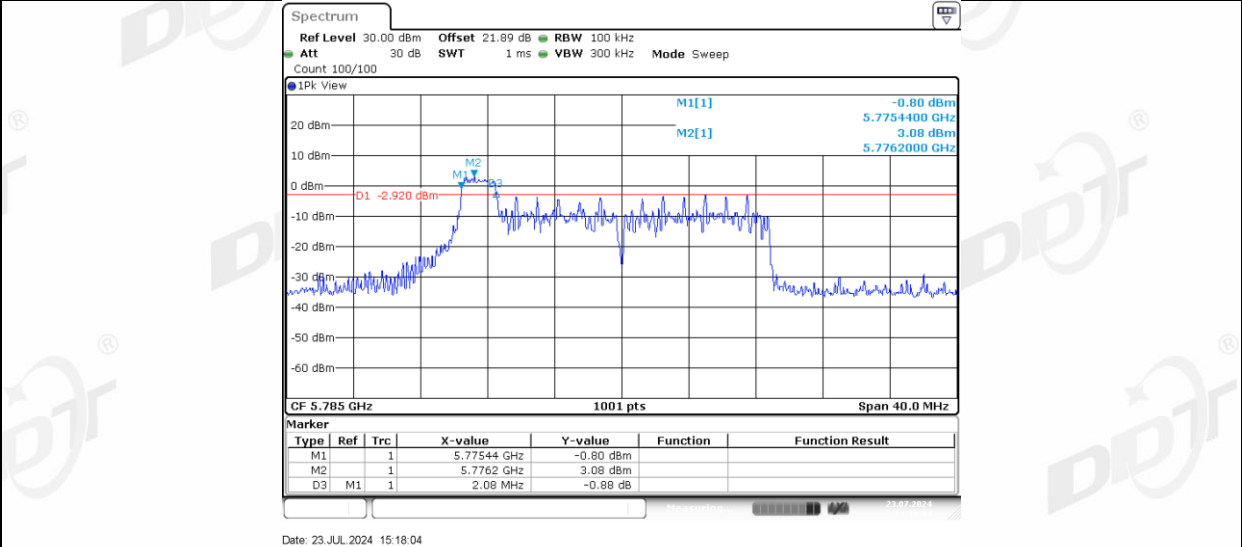
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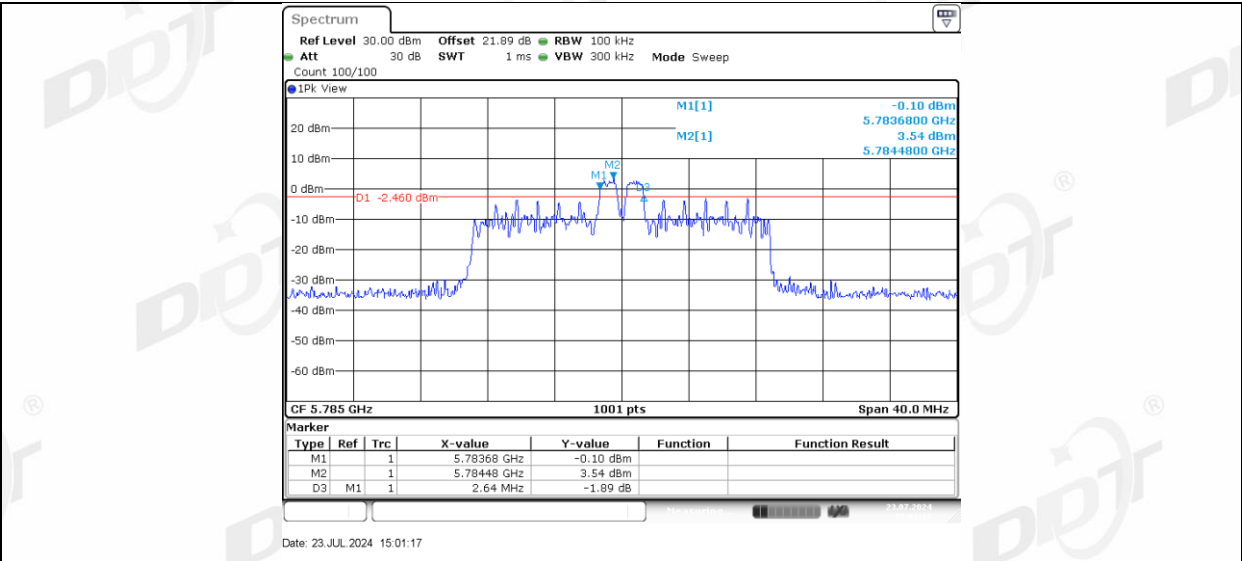
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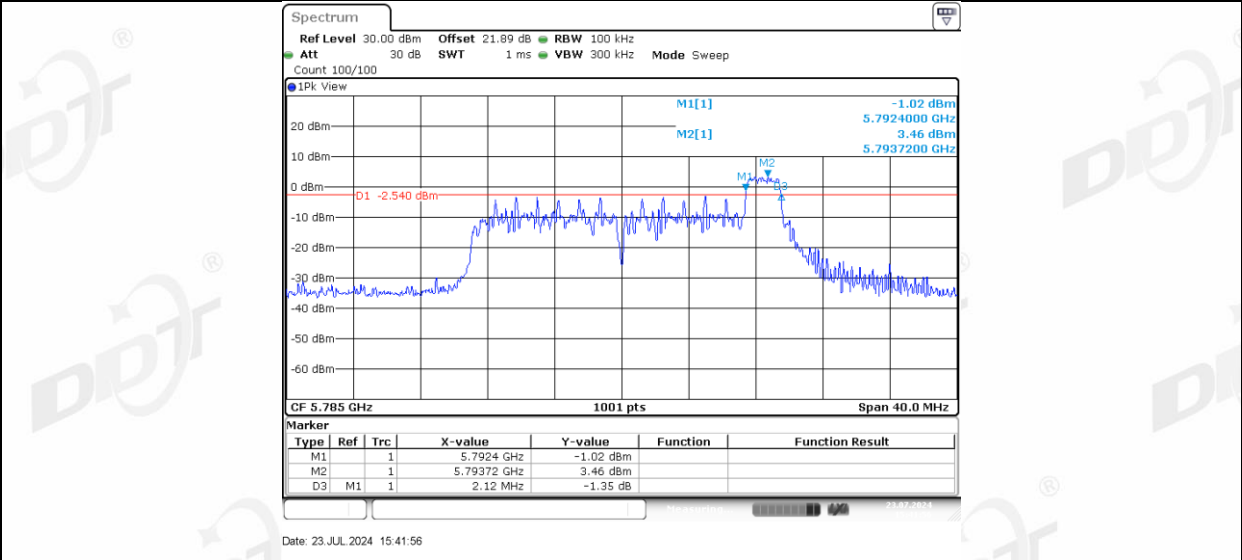
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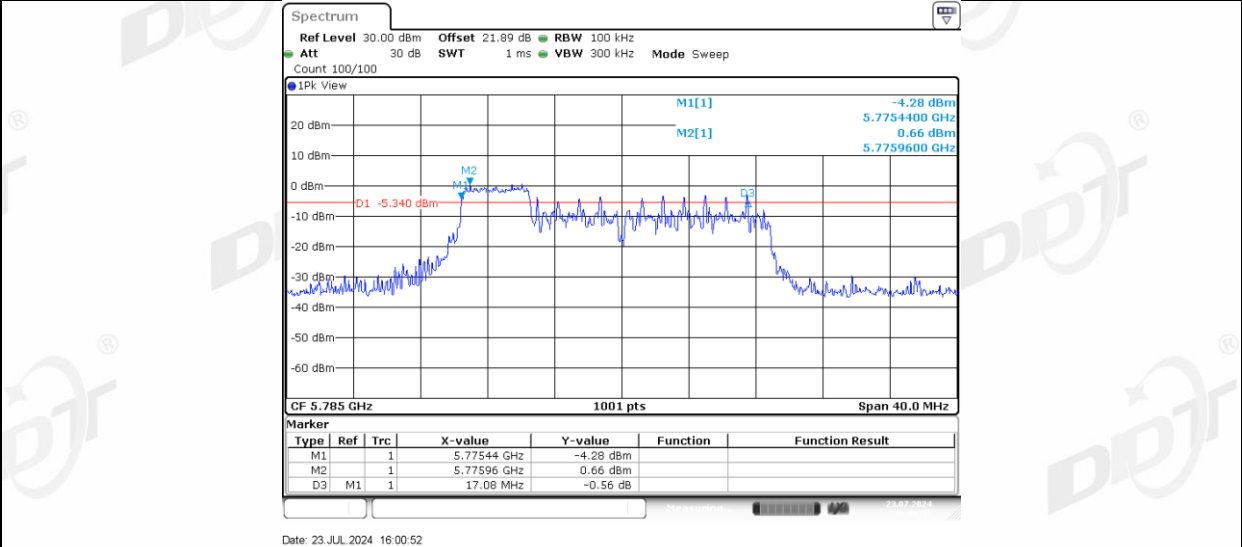
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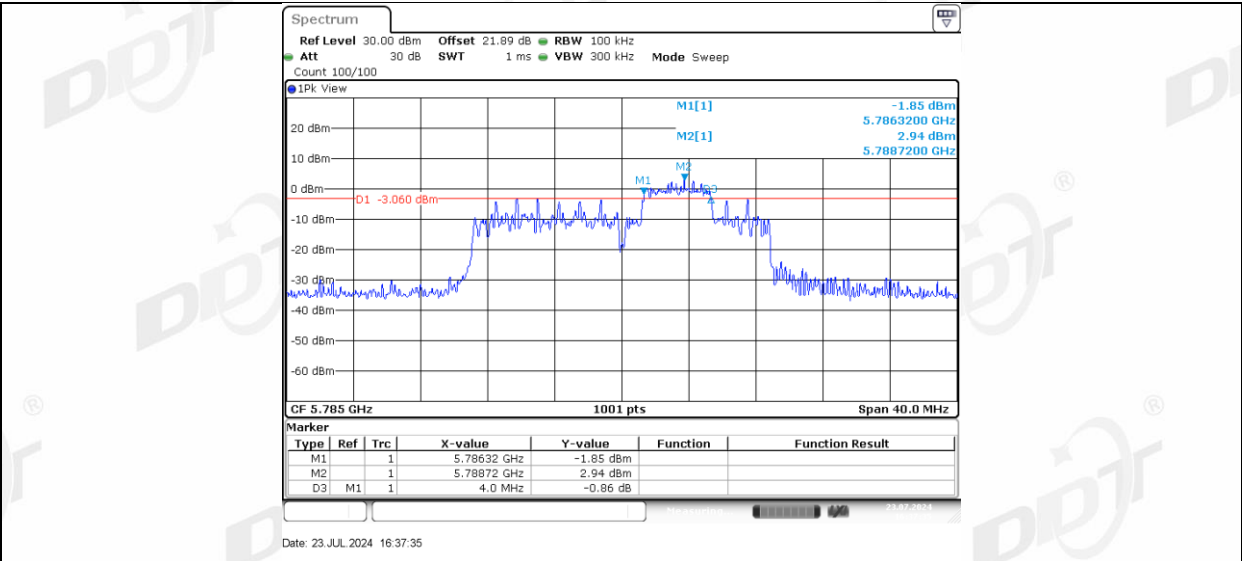
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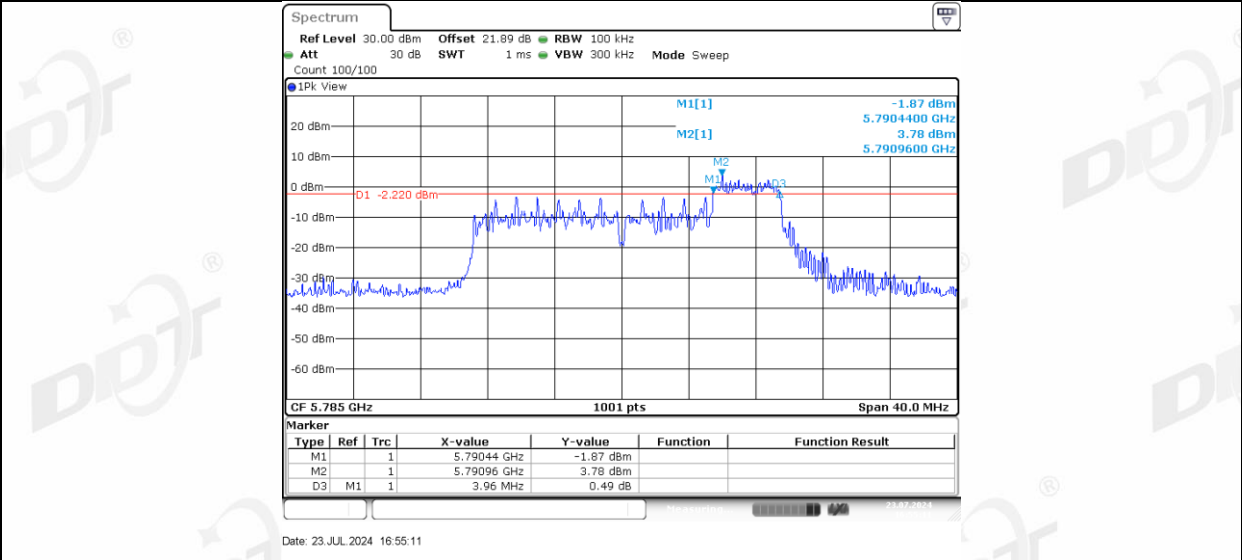
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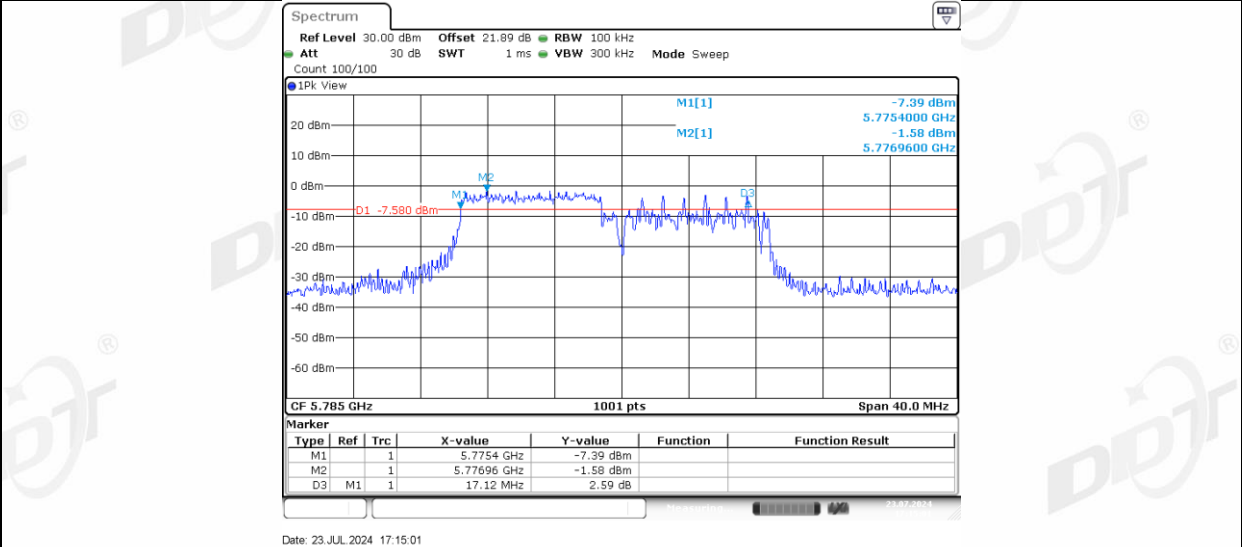
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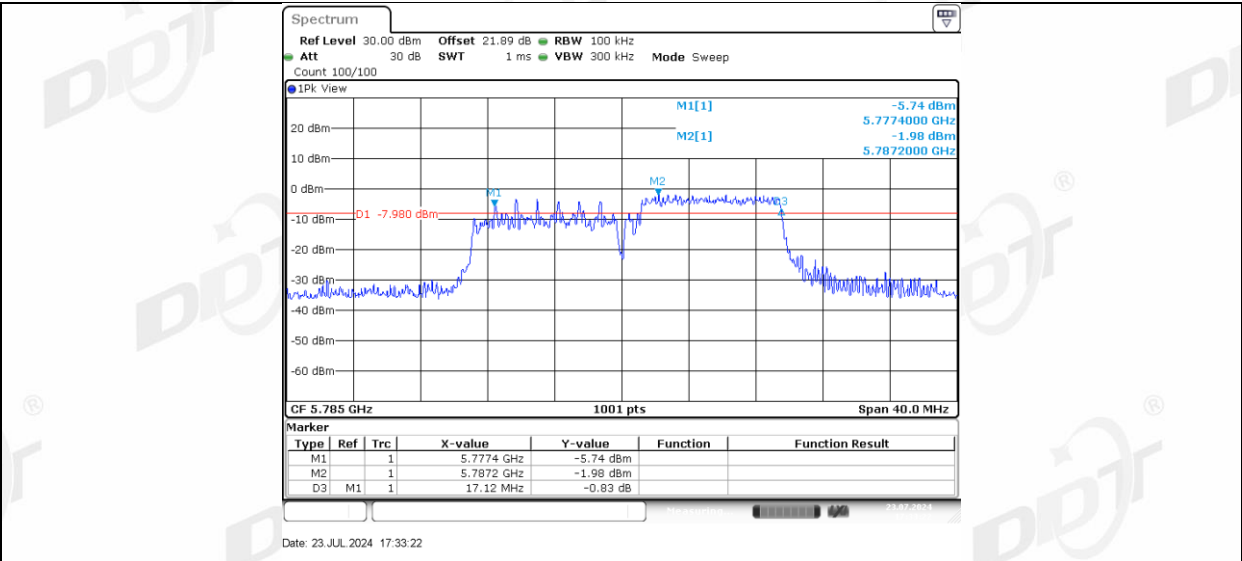
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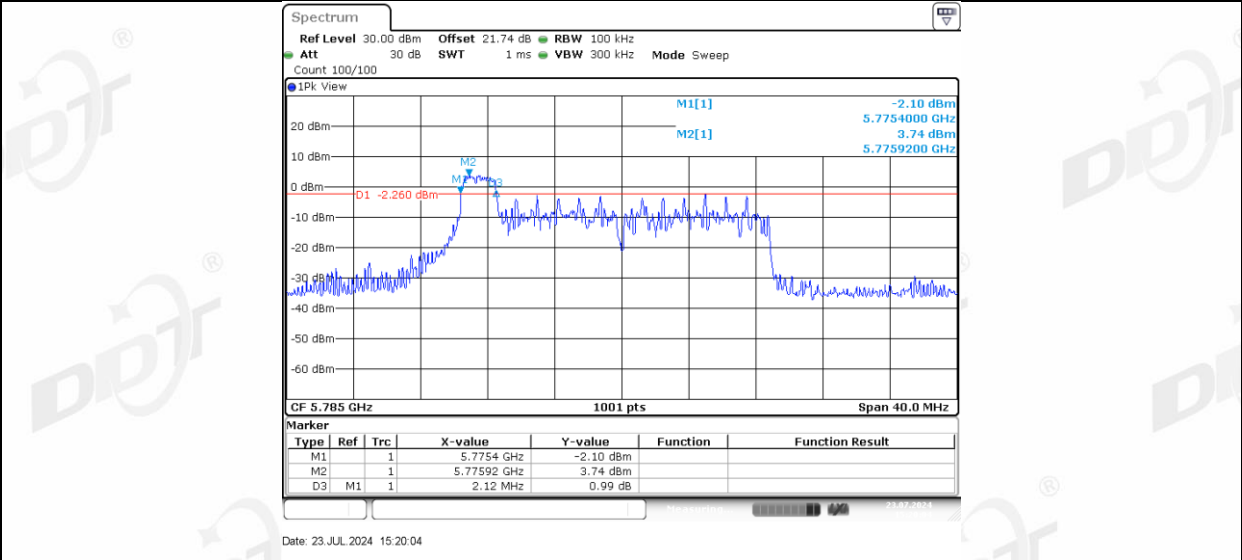
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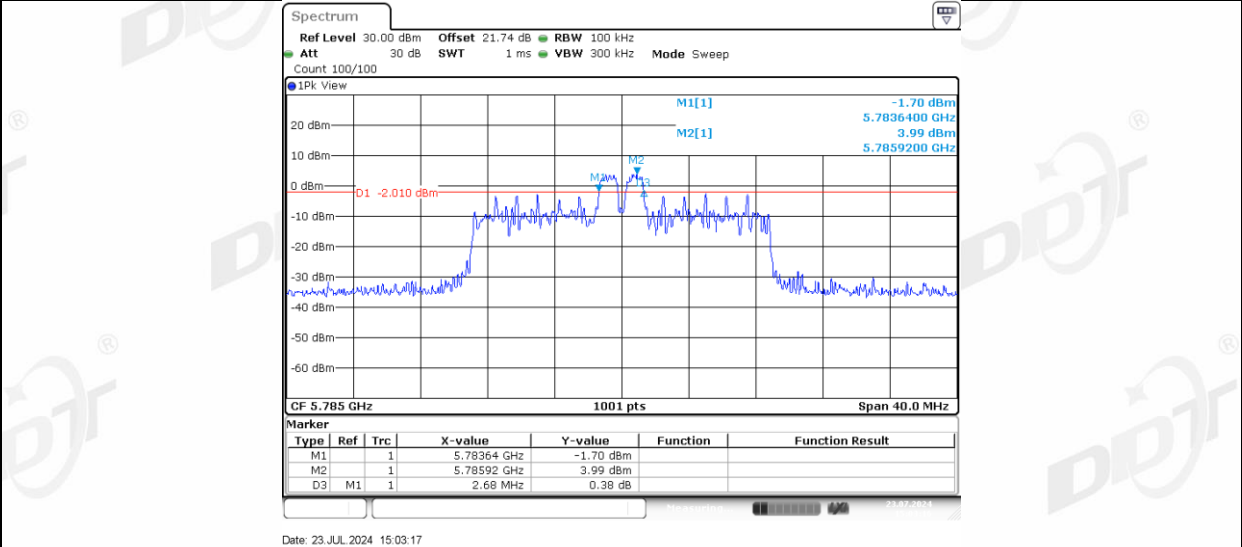
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11AX20MIMO Ant-3 5785_26Tone_RU0



11AX20MIMO Ant-3 5785_26Tone_RU4



11AX20MIMO Ant-3 5785_26Tone_RU8