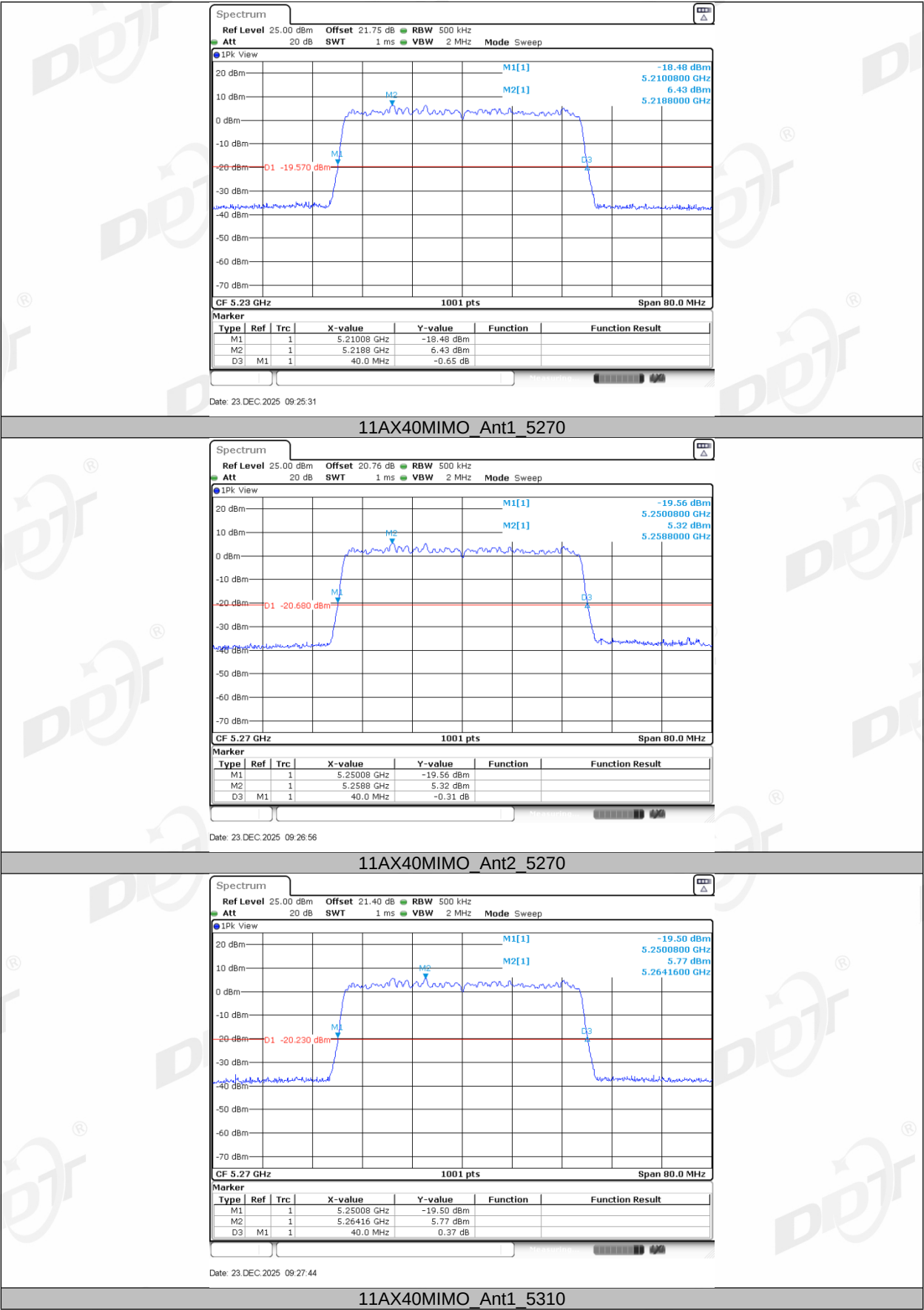
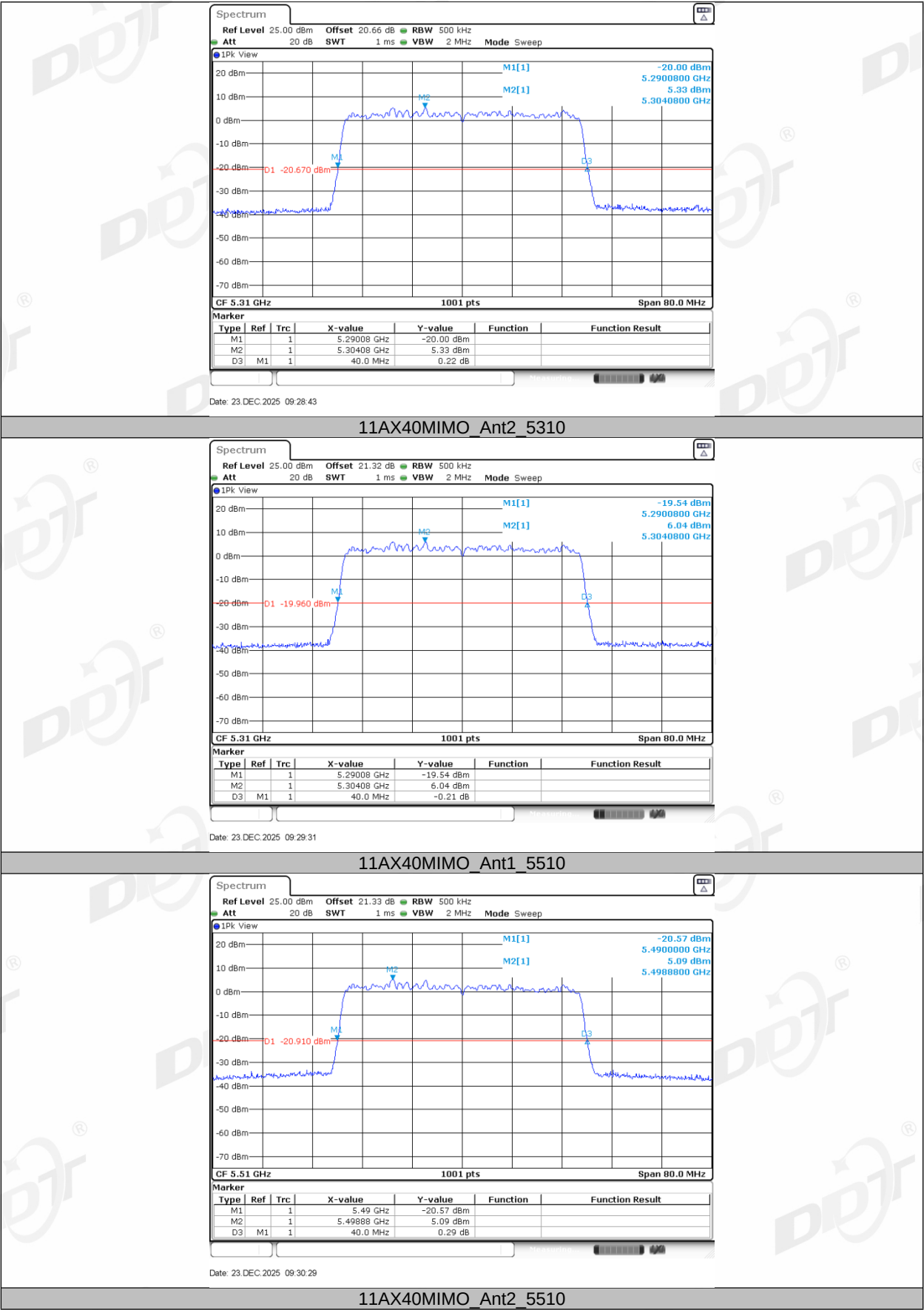
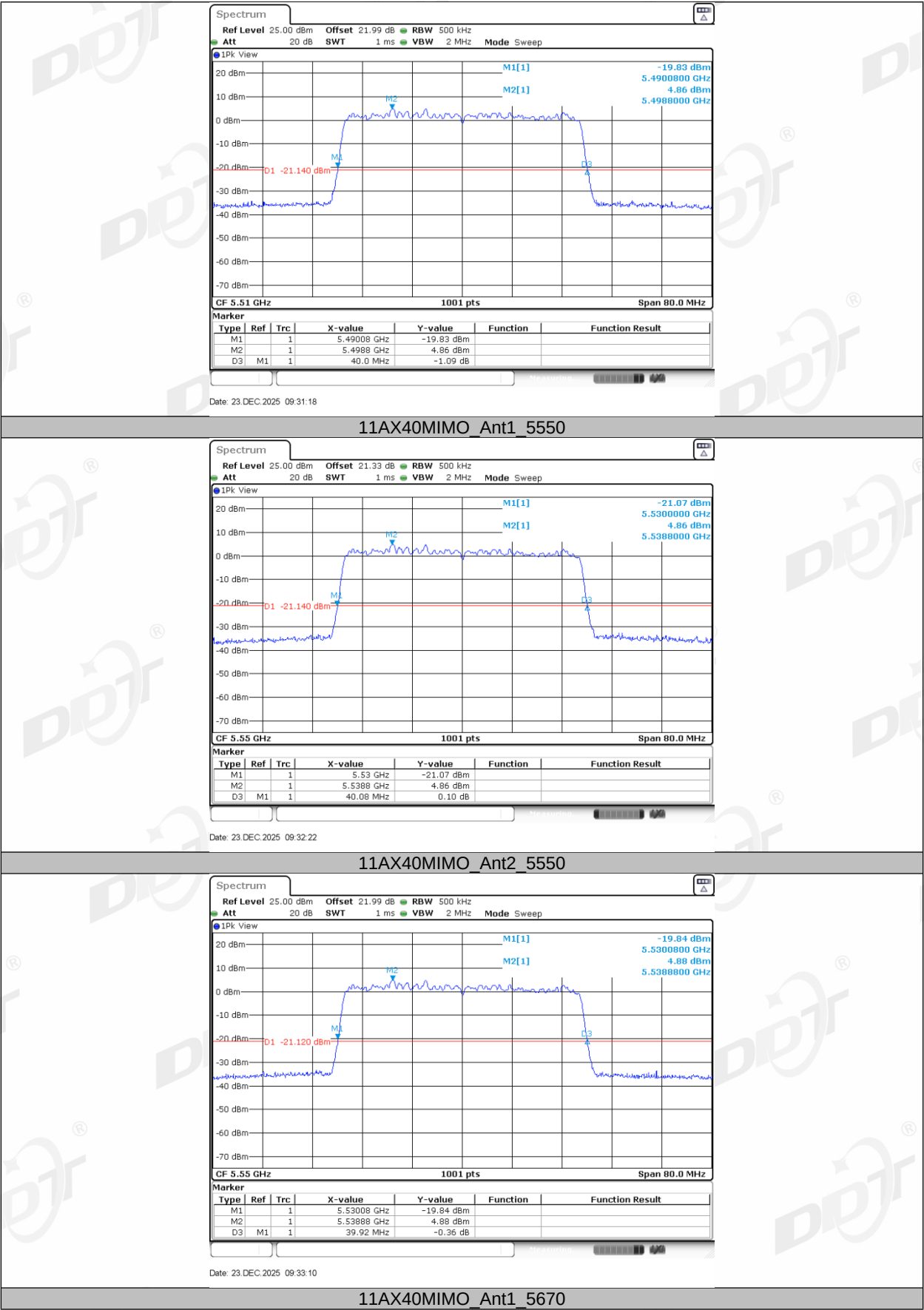
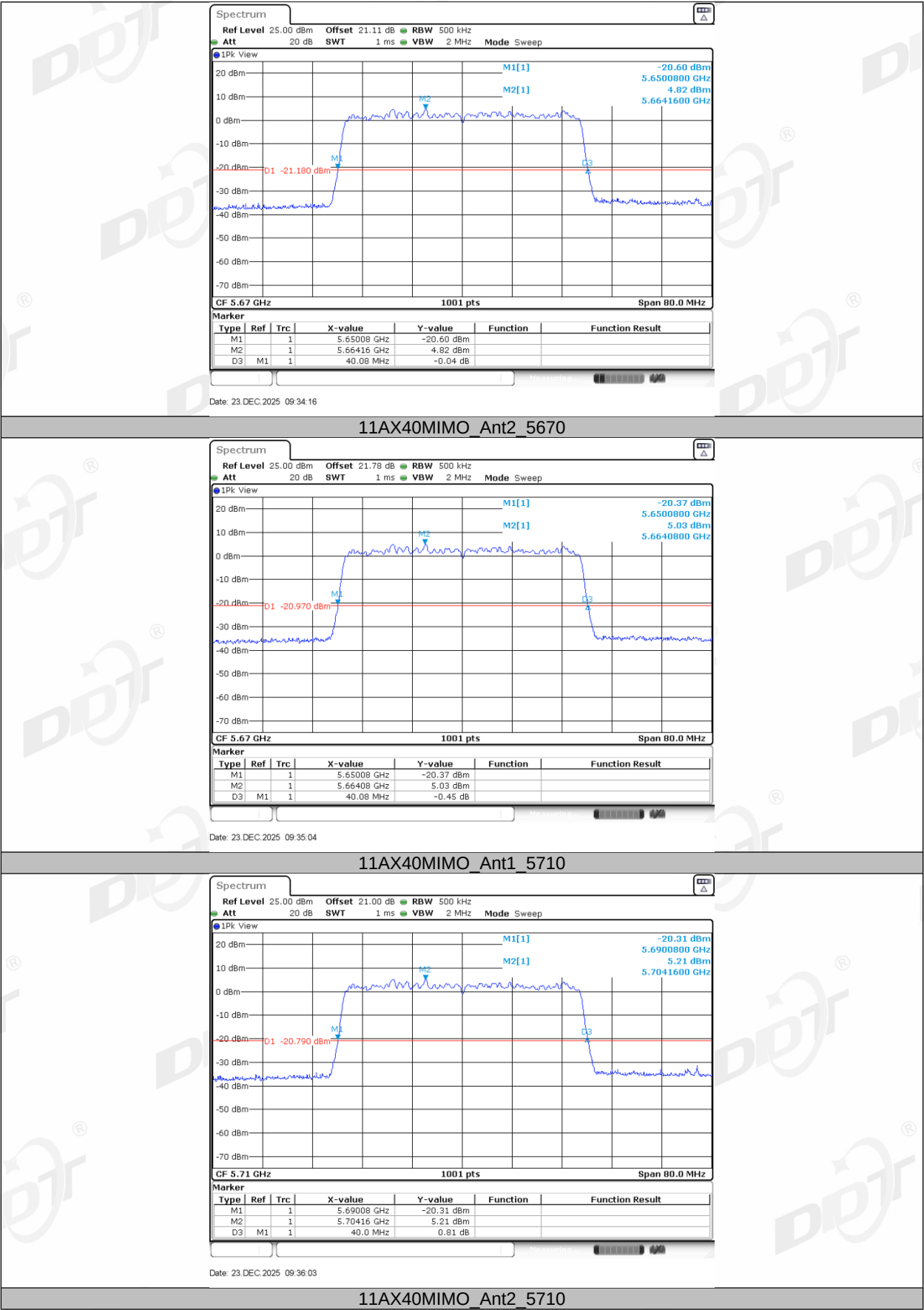
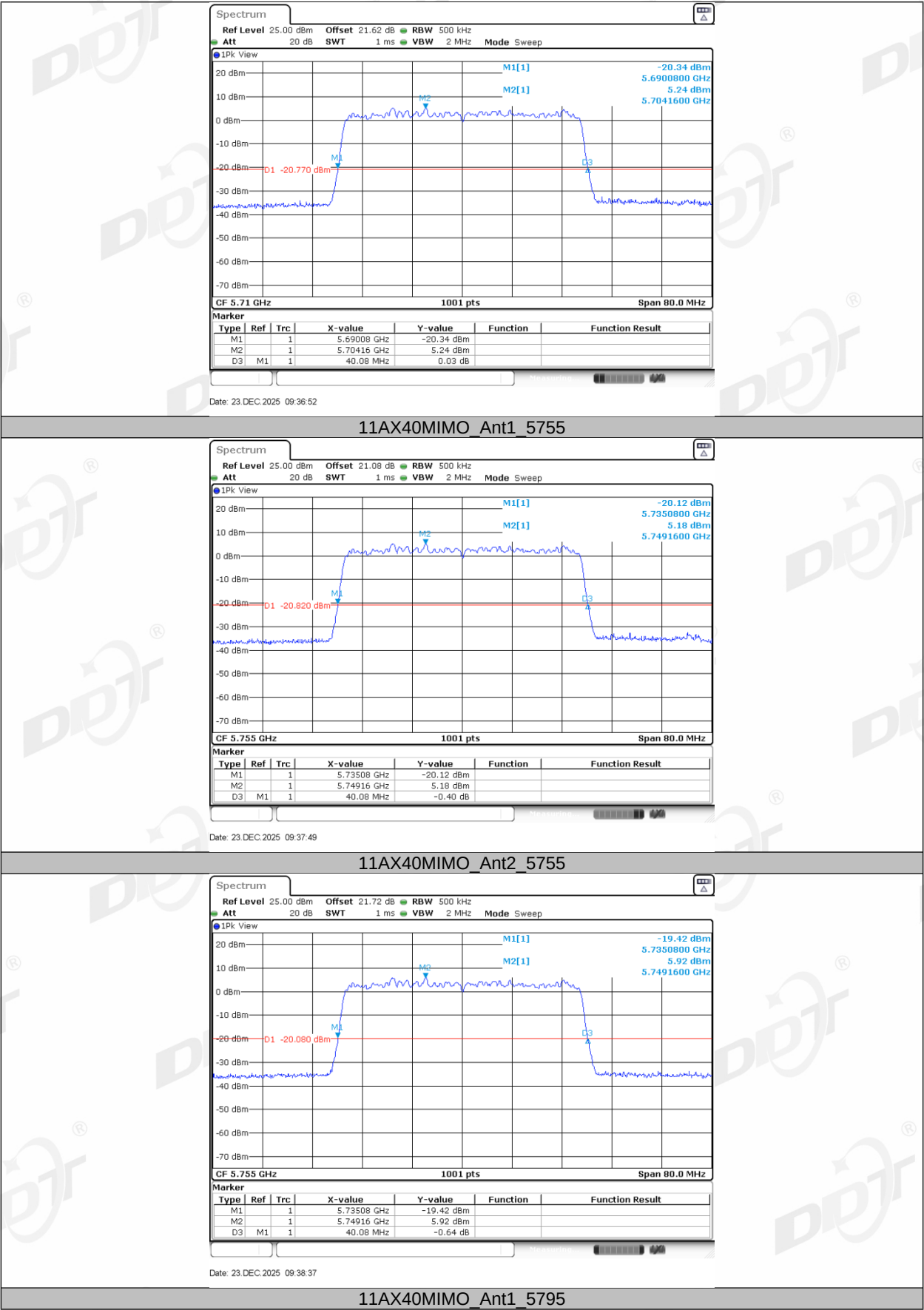


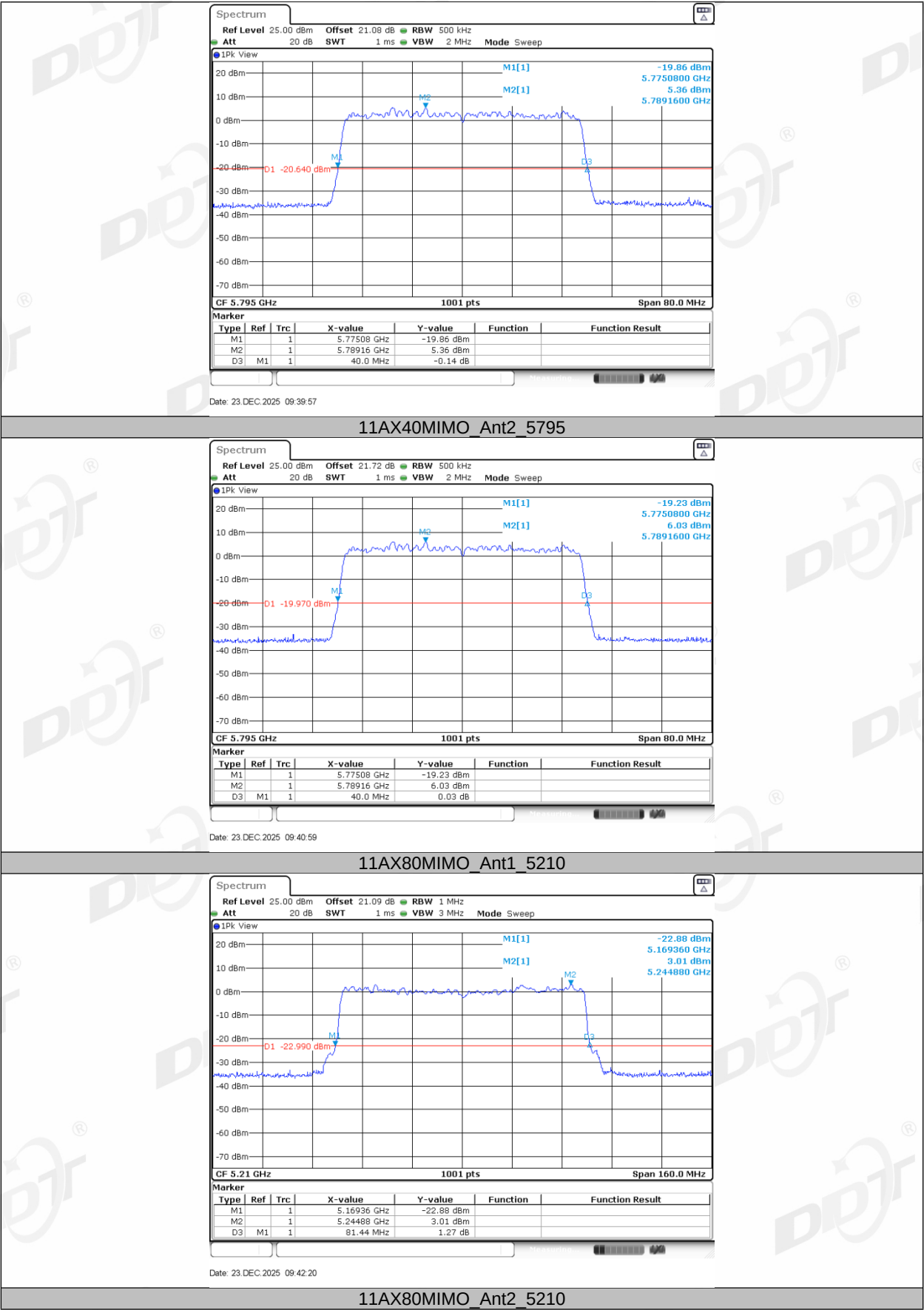


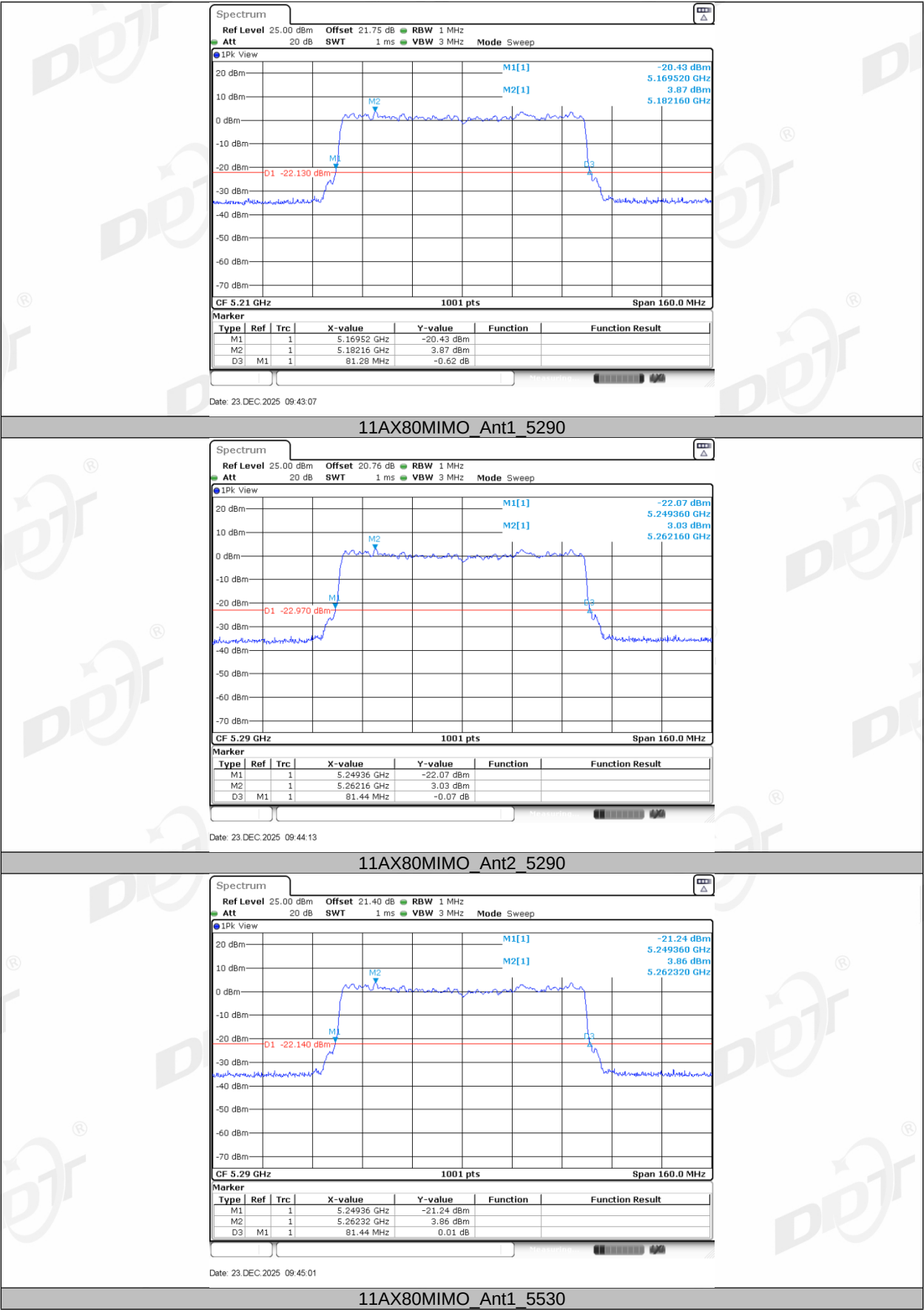






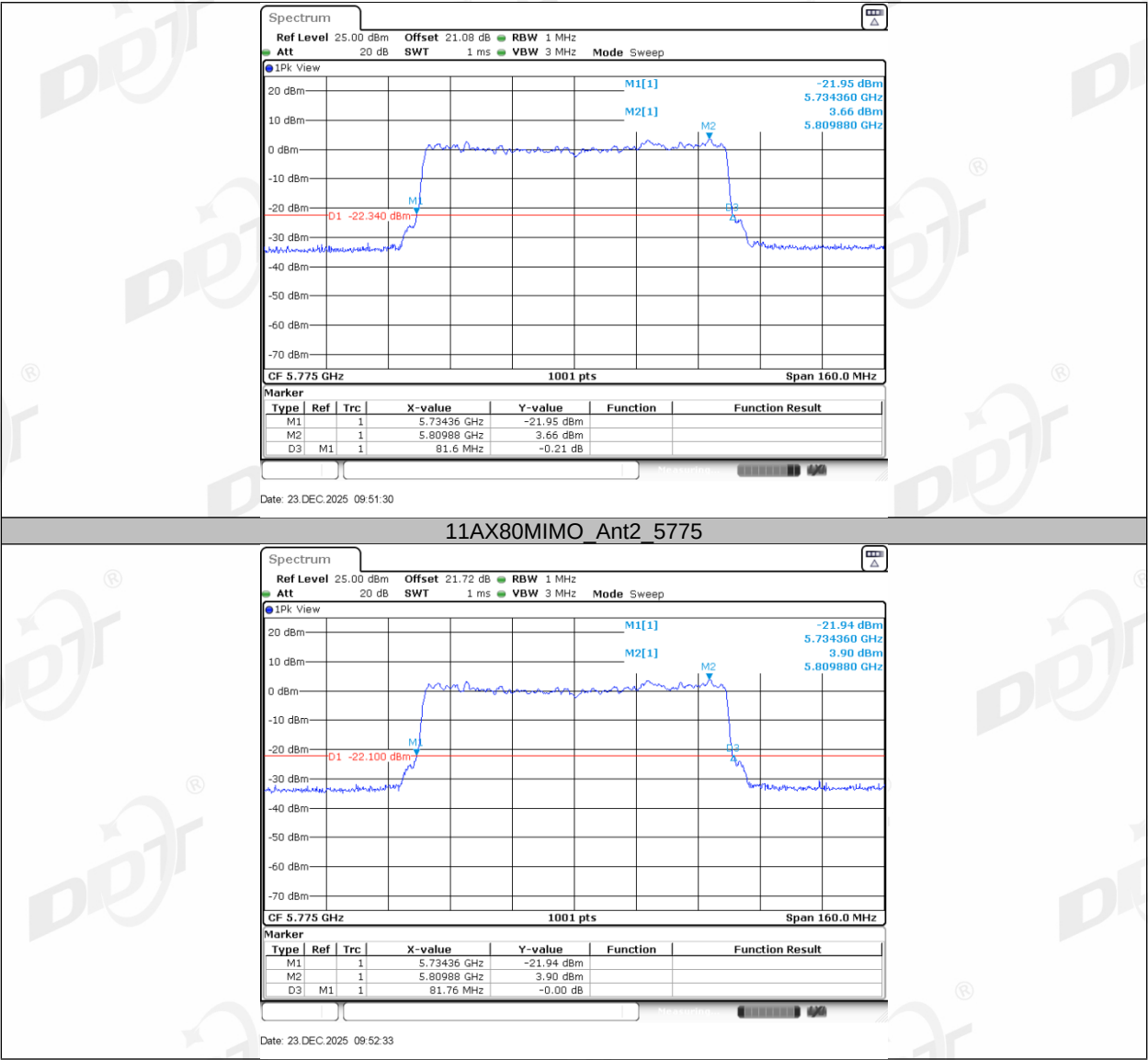






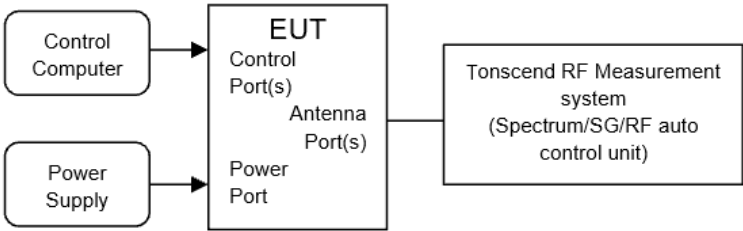






5. 6dB Bandwidth

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

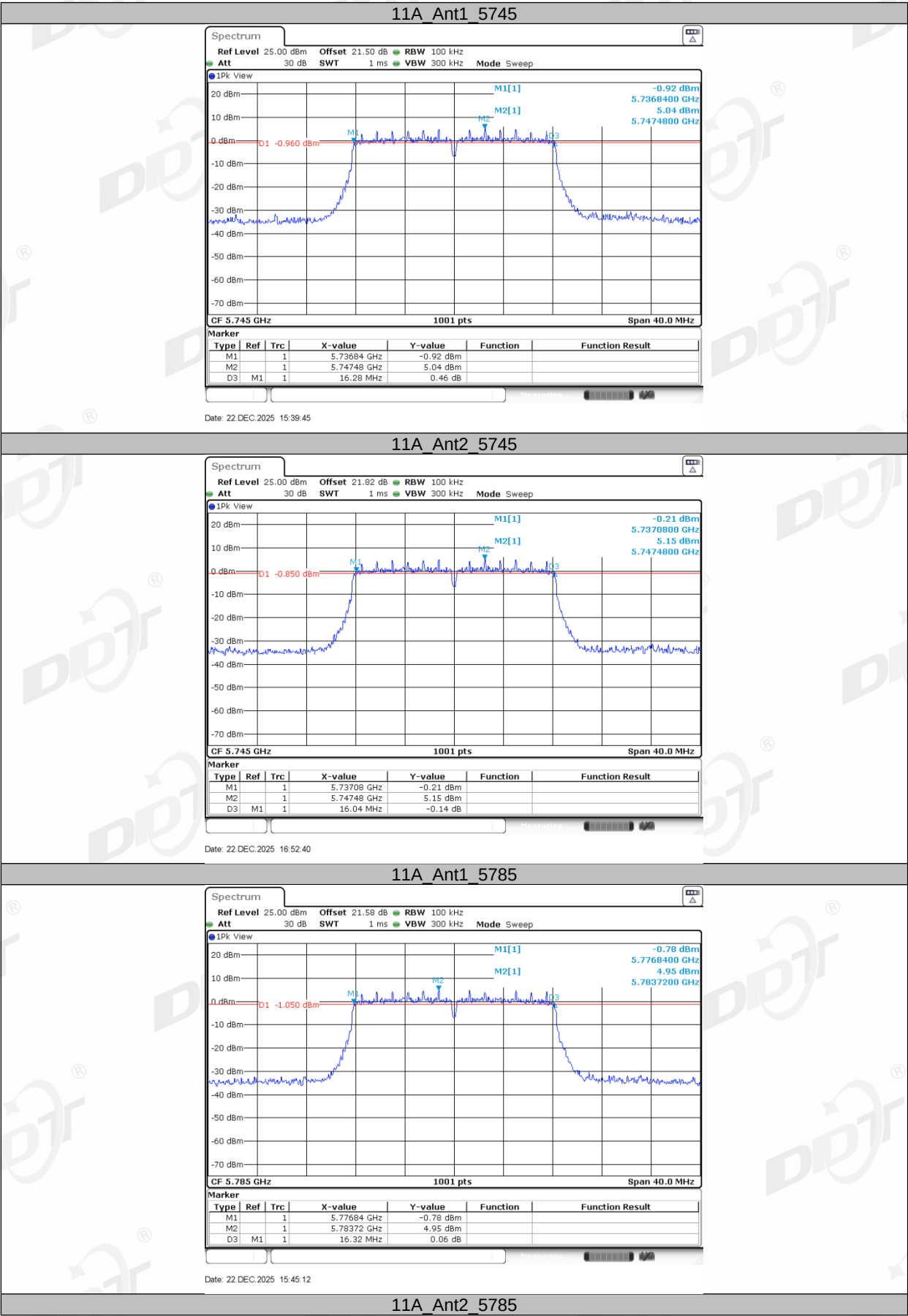
Allow the trace to stabilize, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

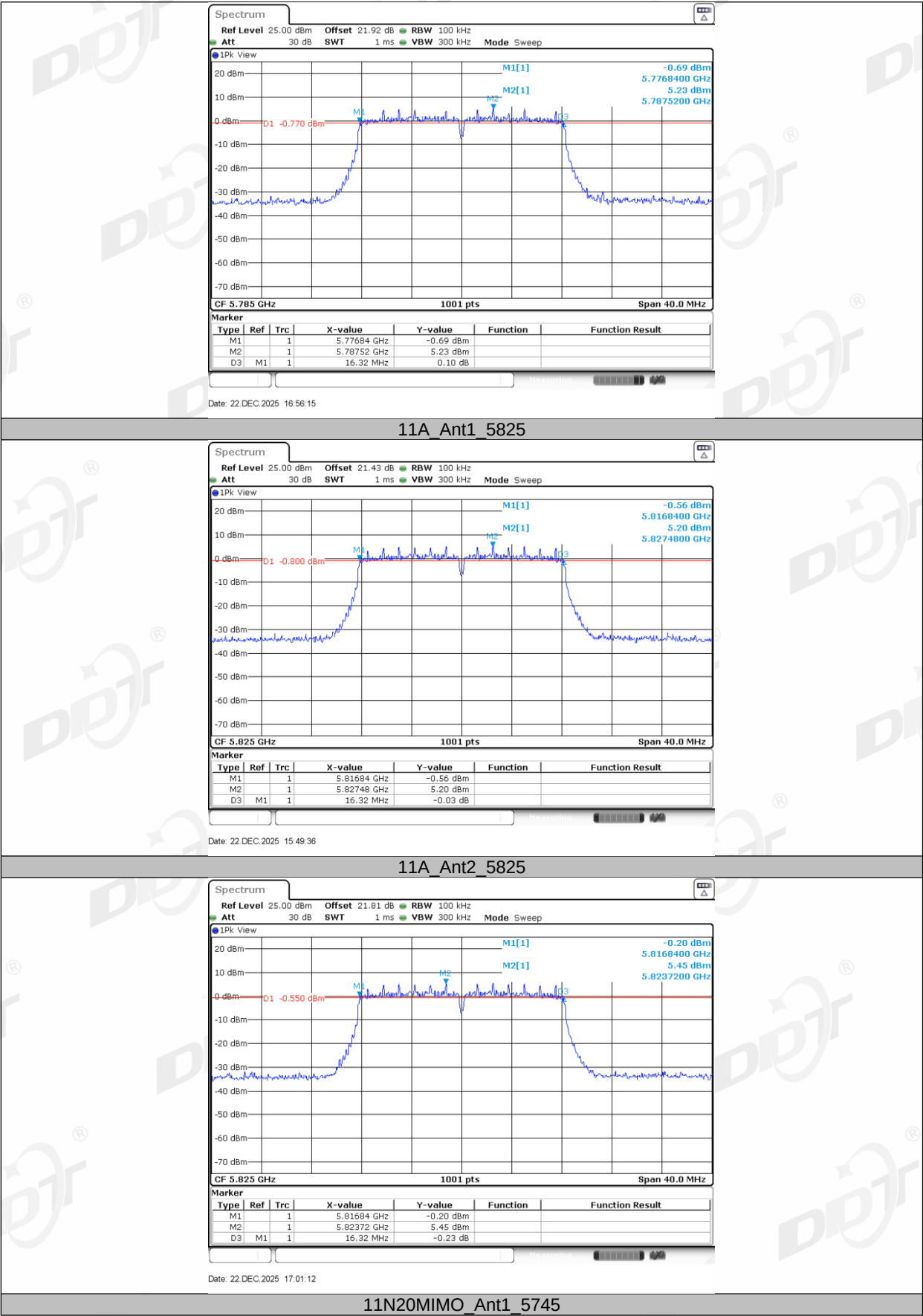
5.4. Test result B4

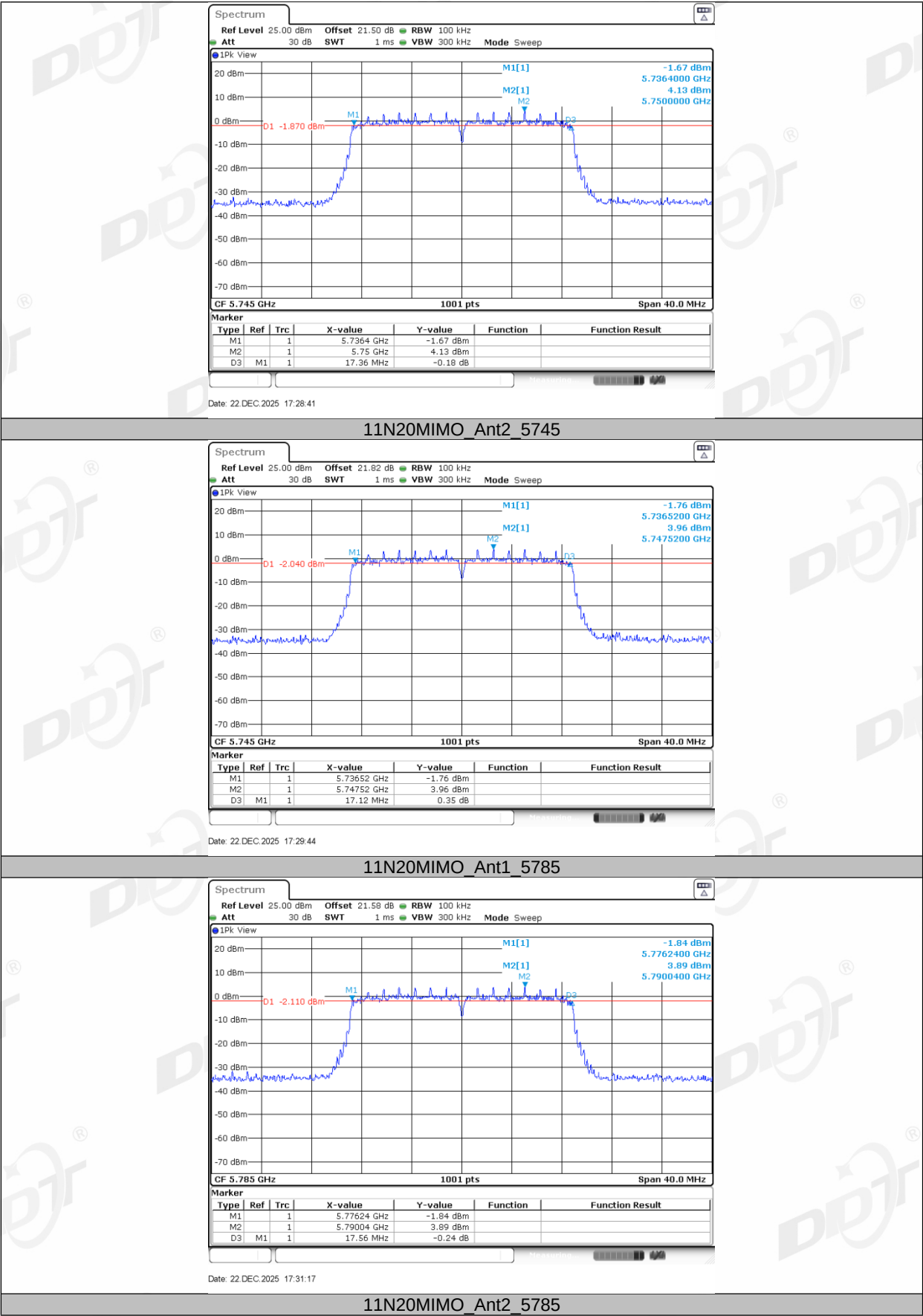
Test Engineer:	Zeng Zhongyao	Test Site:	RF Measurement System 3#
Ambient Condition:	21.2-25.2℃,38.6-42.8%RH	Test Date:	2025.12.22-2025.12.30
Test Power Supply:	AC 120V	Sample Number:	S25120216-003

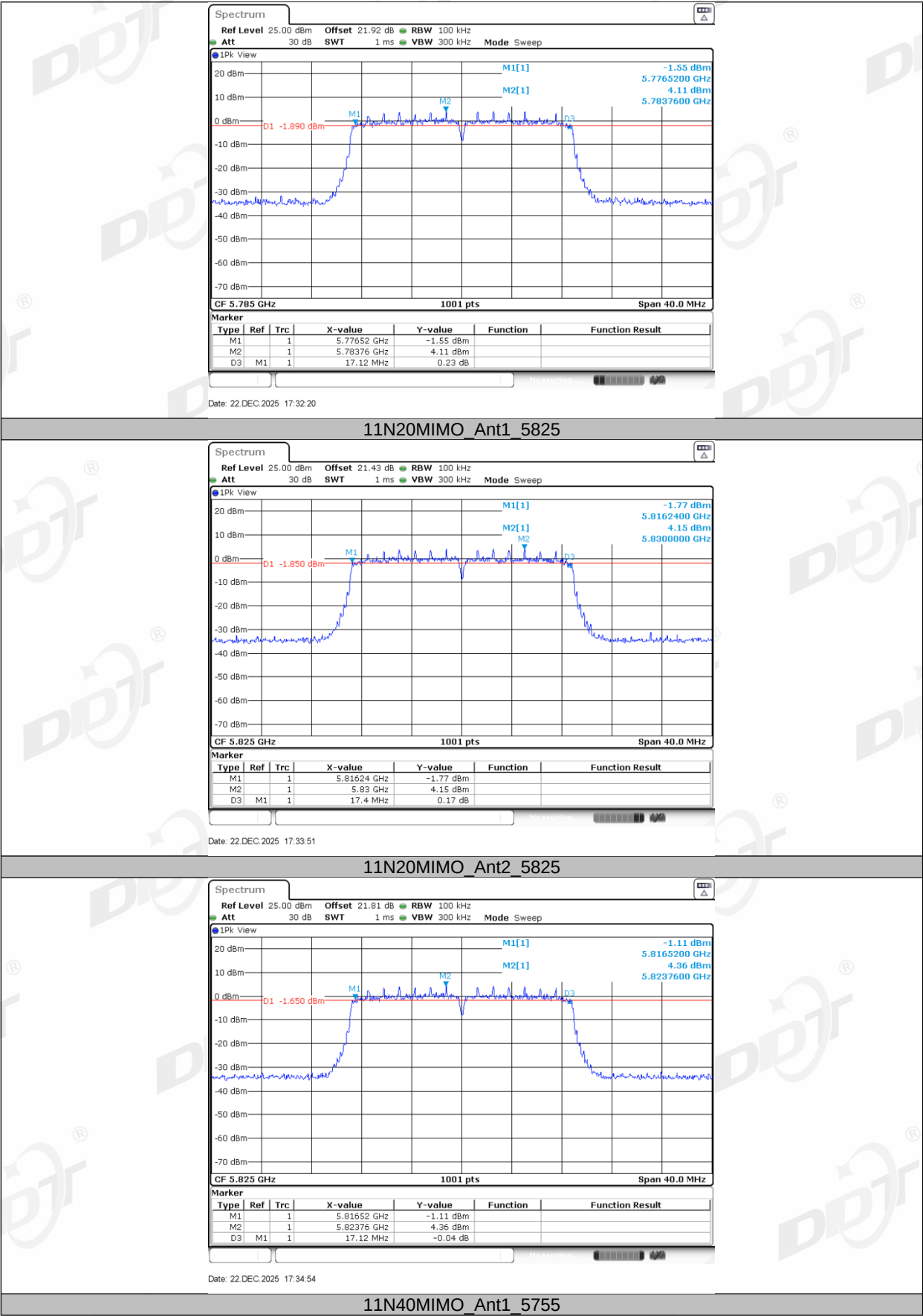
Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.28	5736.84	5753.12	0.5	PASS
	Ant2	5745	16.04	5737.08	5753.12	0.5	PASS
	Ant1	5785	16.32	5776.84	5793.16	0.5	PASS
	Ant2	5785	16.32	5776.84	5793.16	0.5	PASS
	Ant1	5825	16.32	5816.84	5833.16	0.5	PASS
	Ant2	5825	16.32	5816.84	5833.16	0.5	PASS
11N20MIMO	Ant1	5745	17.36	5736.40	5753.76	0.5	PASS
	Ant2	5745	17.12	5736.52	5753.64	0.5	PASS
	Ant1	5785	17.56	5776.24	5793.80	0.5	PASS
	Ant2	5785	17.12	5776.52	5793.64	0.5	PASS
	Ant1	5825	17.40	5816.24	5833.64	0.5	PASS
	Ant2	5825	17.12	5816.52	5833.64	0.5	PASS
11N40MIMO	Ant1	5755	35.84	5737.24	5773.08	0.5	PASS
	Ant2	5755	35.52	5737.48	5773.00	0.5	PASS
	Ant1	5795	35.36	5777.24	5812.60	0.5	PASS
	Ant2	5795	35.60	5777.24	5812.84	0.5	PASS
11AC20MIMO	Ant1	5745	17.40	5736.40	5753.80	0.5	PASS
	Ant2	5745	17.00	5736.64	5753.64	0.5	PASS
	Ant1	5785	17.24	5776.40	5793.64	0.5	PASS
	Ant2	5785	17.44	5776.36	5793.80	0.5	PASS
	Ant1	5825	17.36	5816.40	5833.76	0.5	PASS
	Ant2	5825	17.24	5816.40	5833.64	0.5	PASS
11AC40MIMO	Ant1	5755	36.00	5737.24	5773.24	0.5	PASS
	Ant2	5755	35.76	5737.24	5773.00	0.5	PASS
	Ant1	5795	35.76	5777.24	5813.00	0.5	PASS
	Ant2	5795	35.92	5777.08	5813.00	0.5	PASS
11AC80MIMO	Ant1	5775	76.00	5737.24	5813.24	0.5	PASS
	Ant2	5775	76.48	5736.76	5813.24	0.5	PASS
11AX20MIMO	Ant1	5745	18.36	5735.76	5754.12	0.5	PASS
	Ant2	5745	17.96	5735.80	5753.76	0.5	PASS
	Ant1	5785	18.04	5775.76	5793.80	0.5	PASS
	Ant2	5785	18.00	5775.76	5793.76	0.5	PASS
	Ant1	5825	18.04	5815.76	5833.80	0.5	PASS
	Ant2	5825	18.00	5815.76	5833.76	0.5	PASS
11AX40MIMO	Ant2	5755	37.52	5736.52	5774.04	0.5	PASS
	Ant1	5795	37.68	5776.36	5814.04	0.5	PASS
	Ant2	5795	37.52	5776.52	5814.04	0.5	PASS
11AX80MIMO	Ant1	5775	77.60	5736.28	5813.88	0.5	PASS
	Ant2	5775	77.60	5736.28	5813.88	0.5	PASS

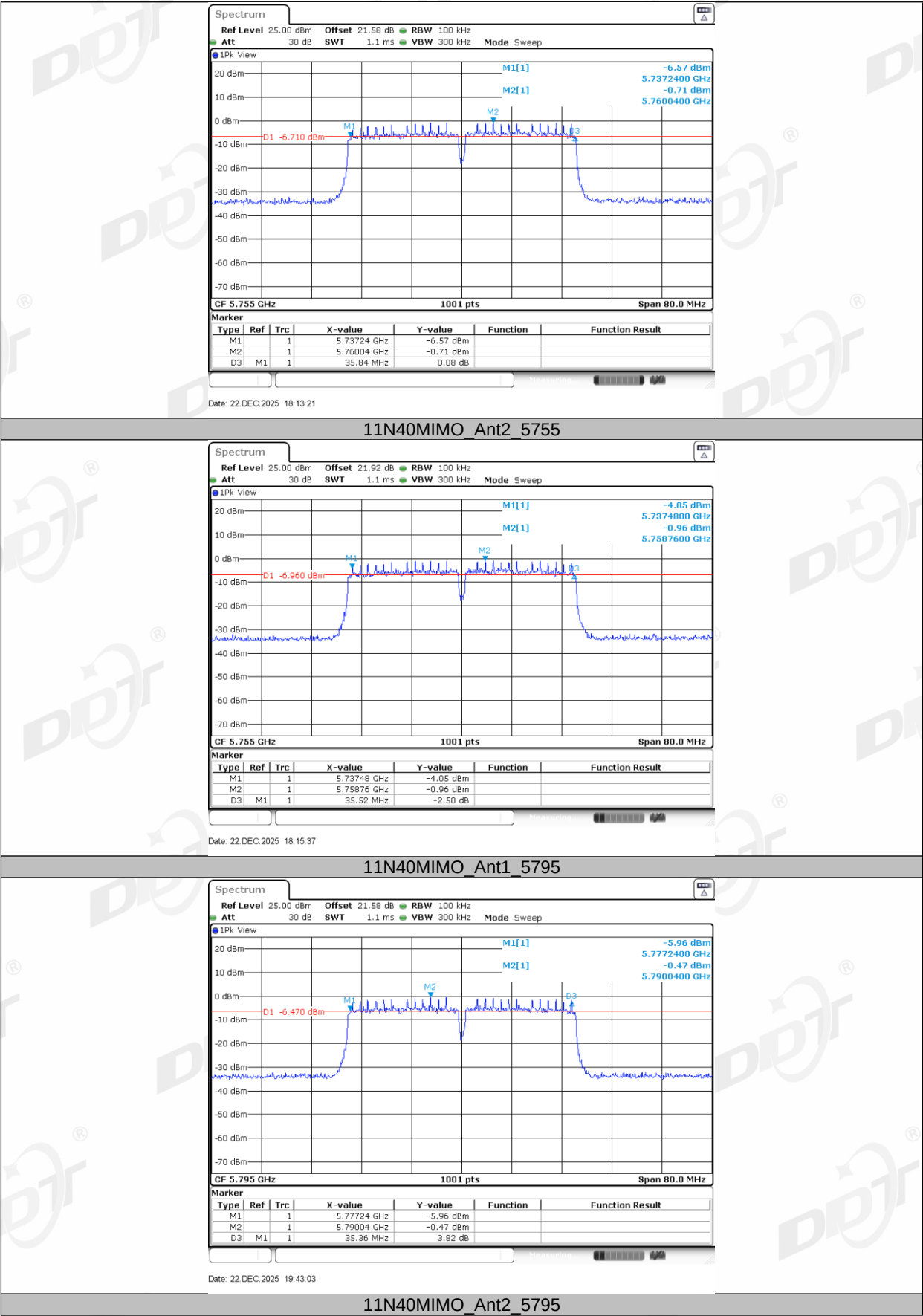
5.5. Test graphs B4

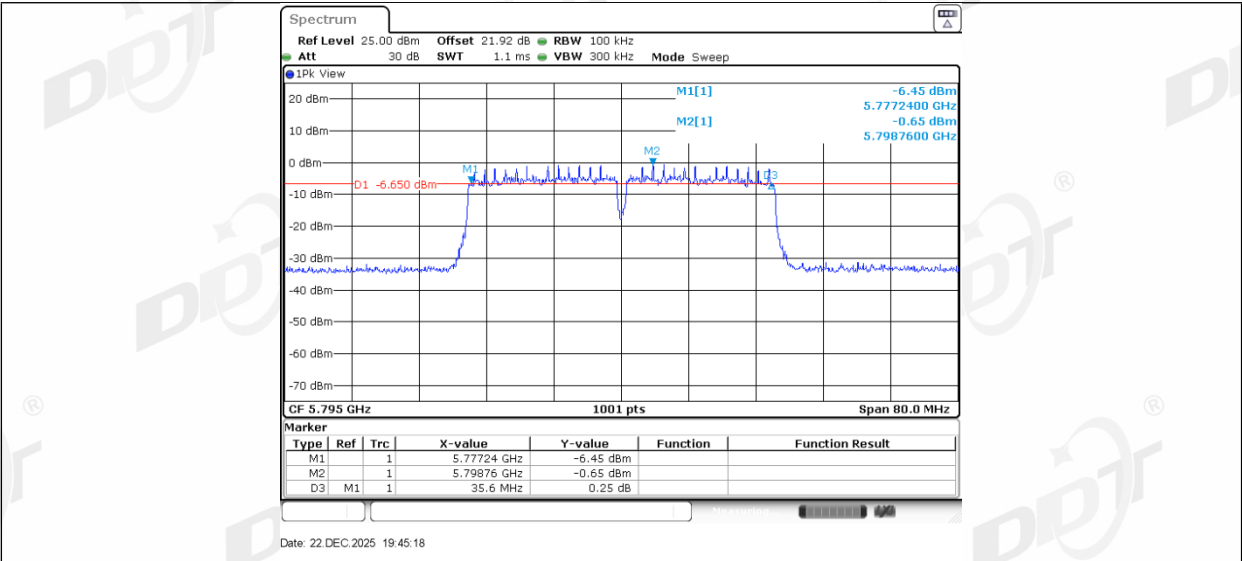




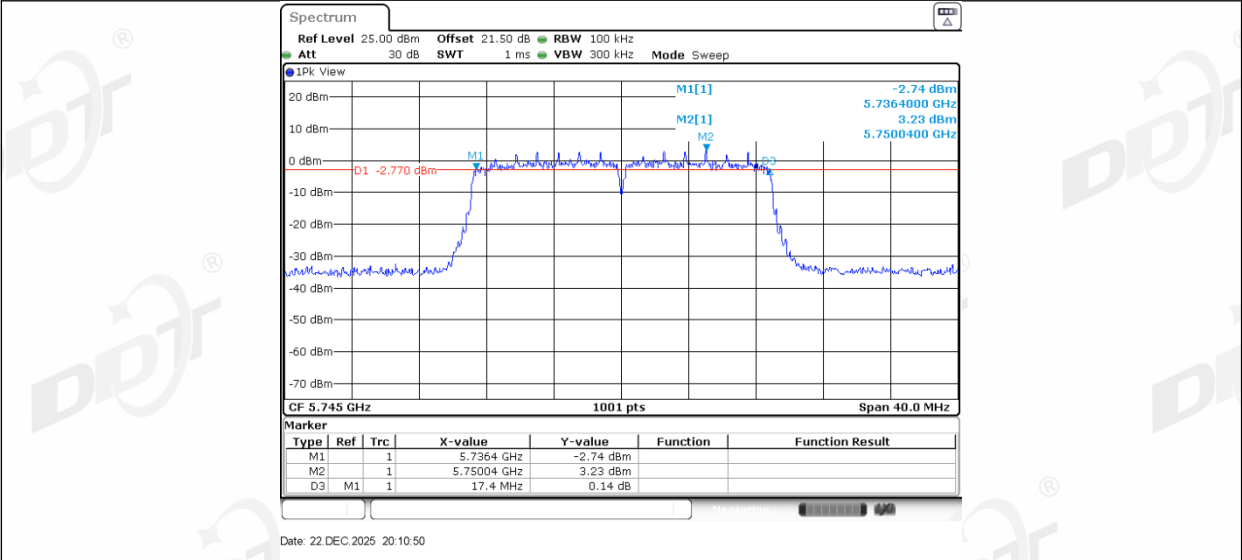




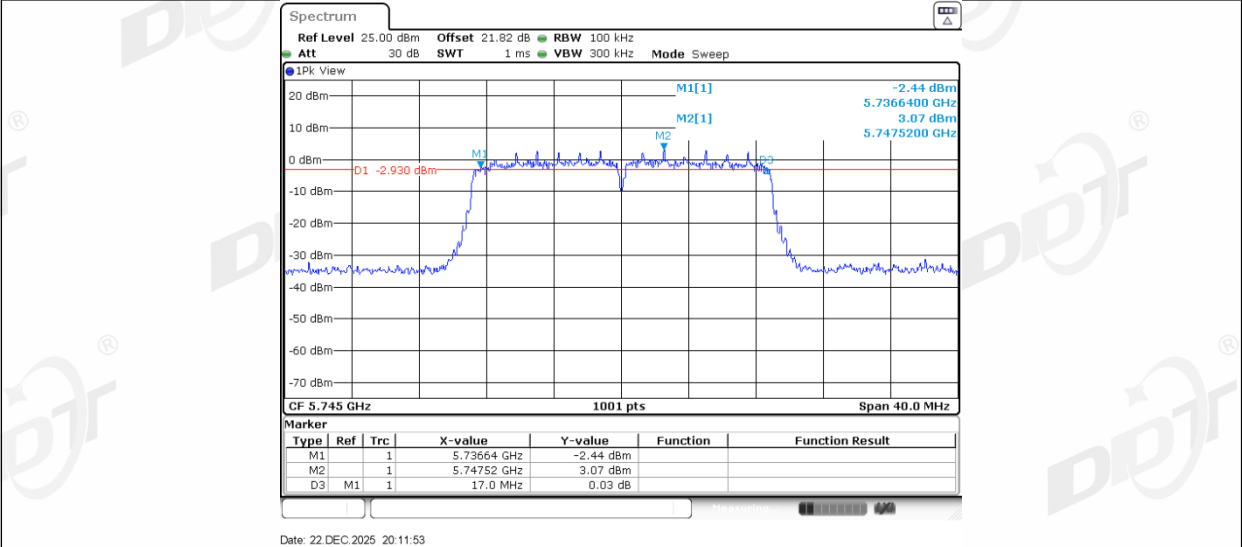




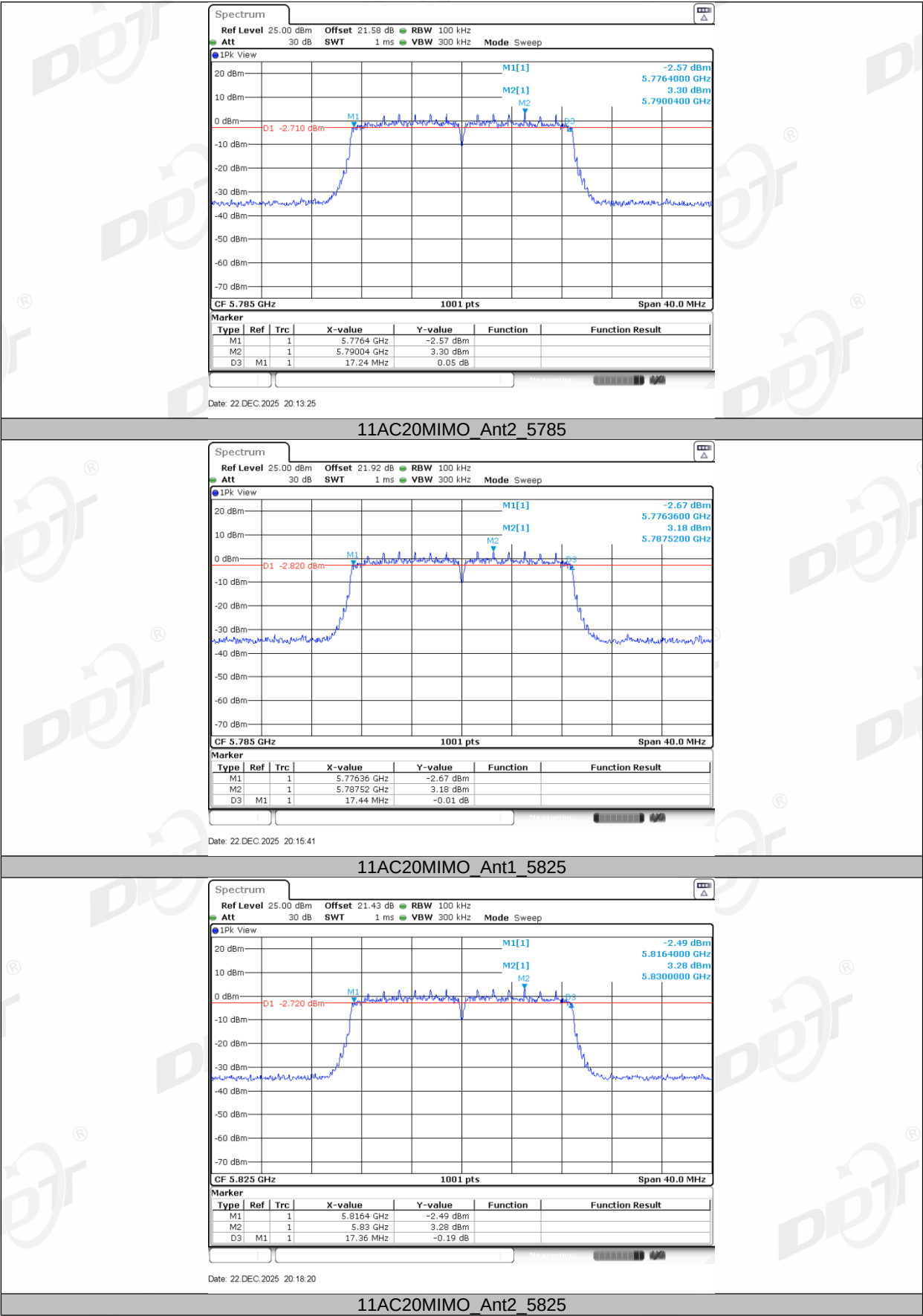
11AC20MIMO_Ant1_5745

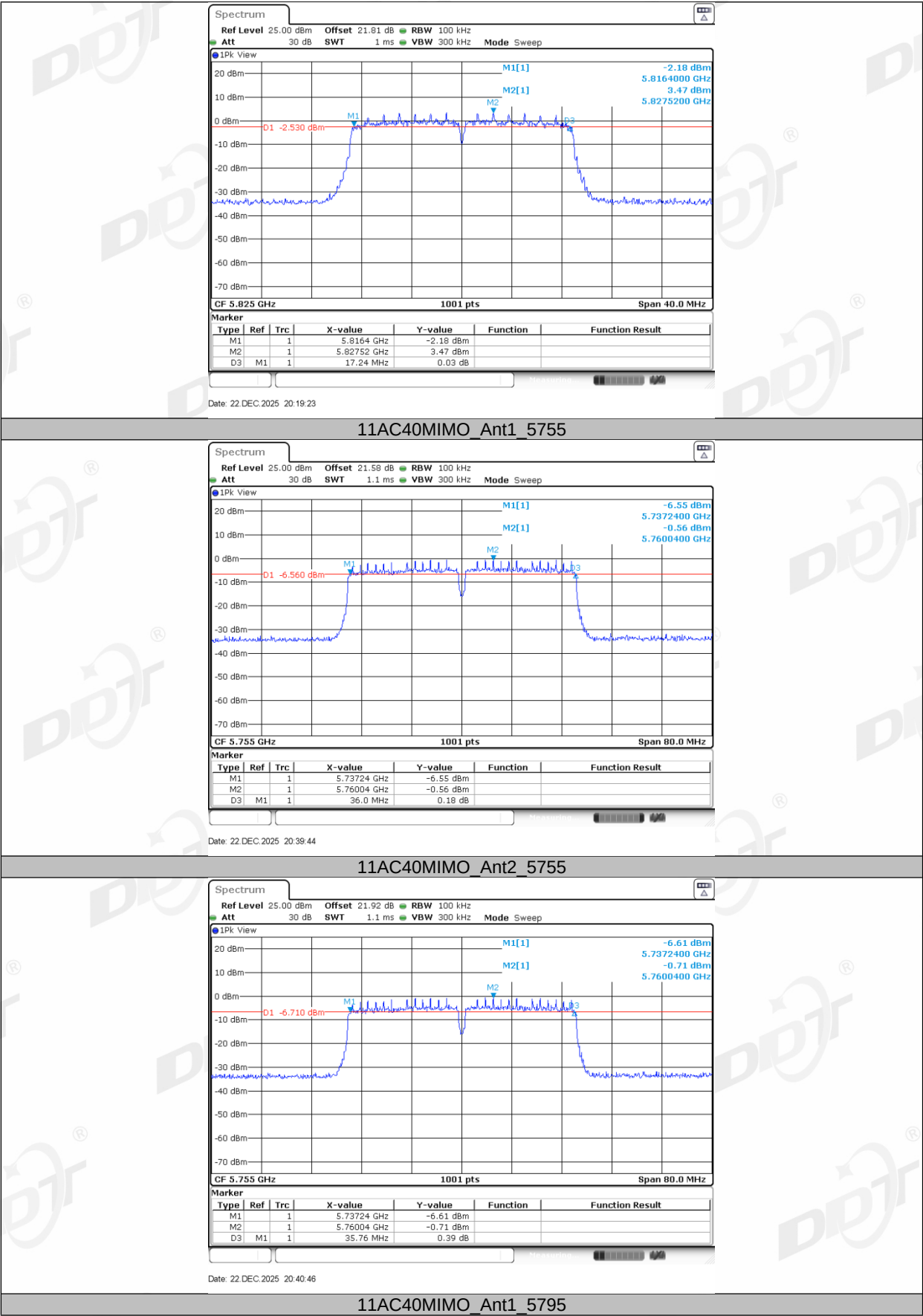


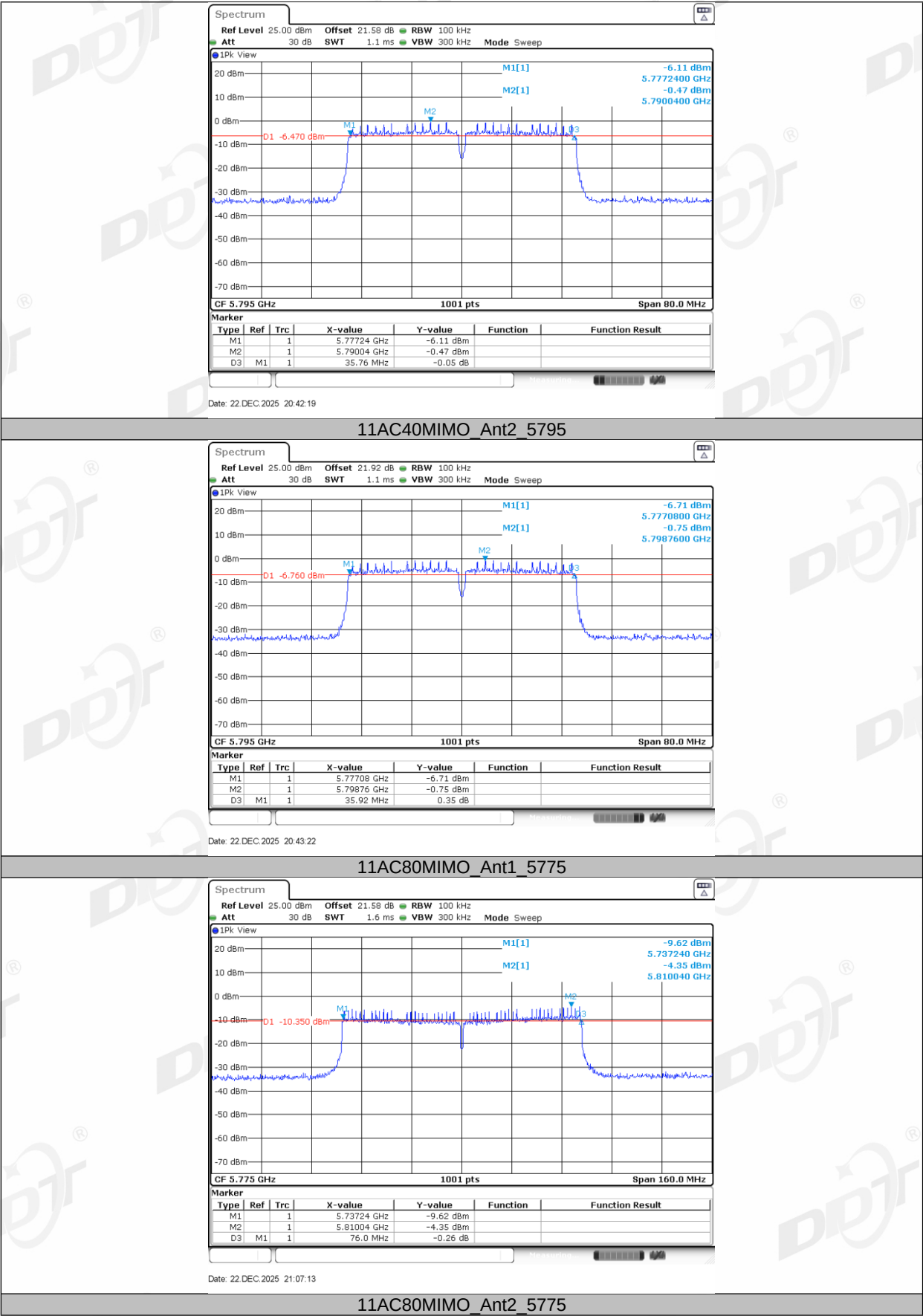
11AC20MIMO_Ant2_5745

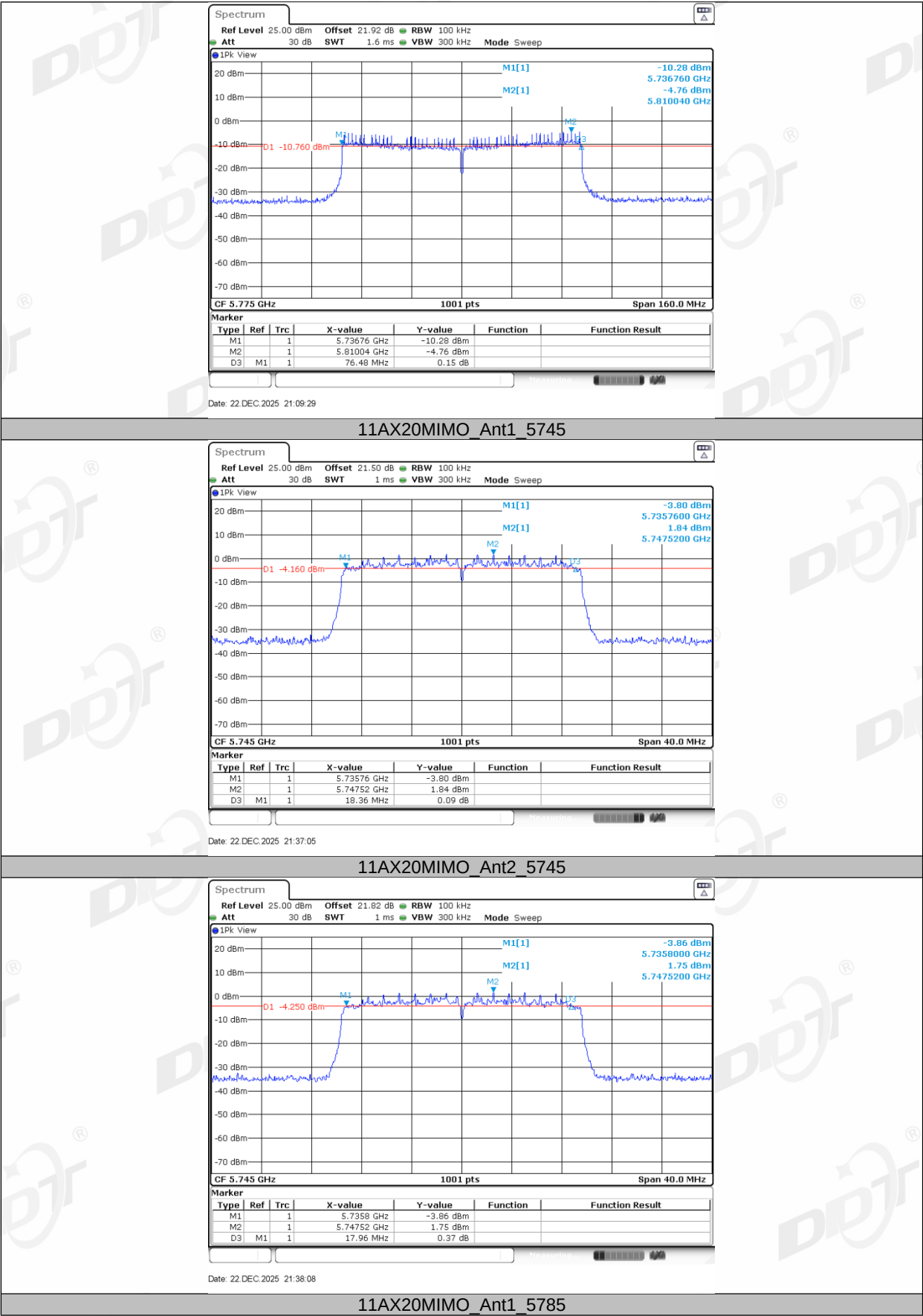


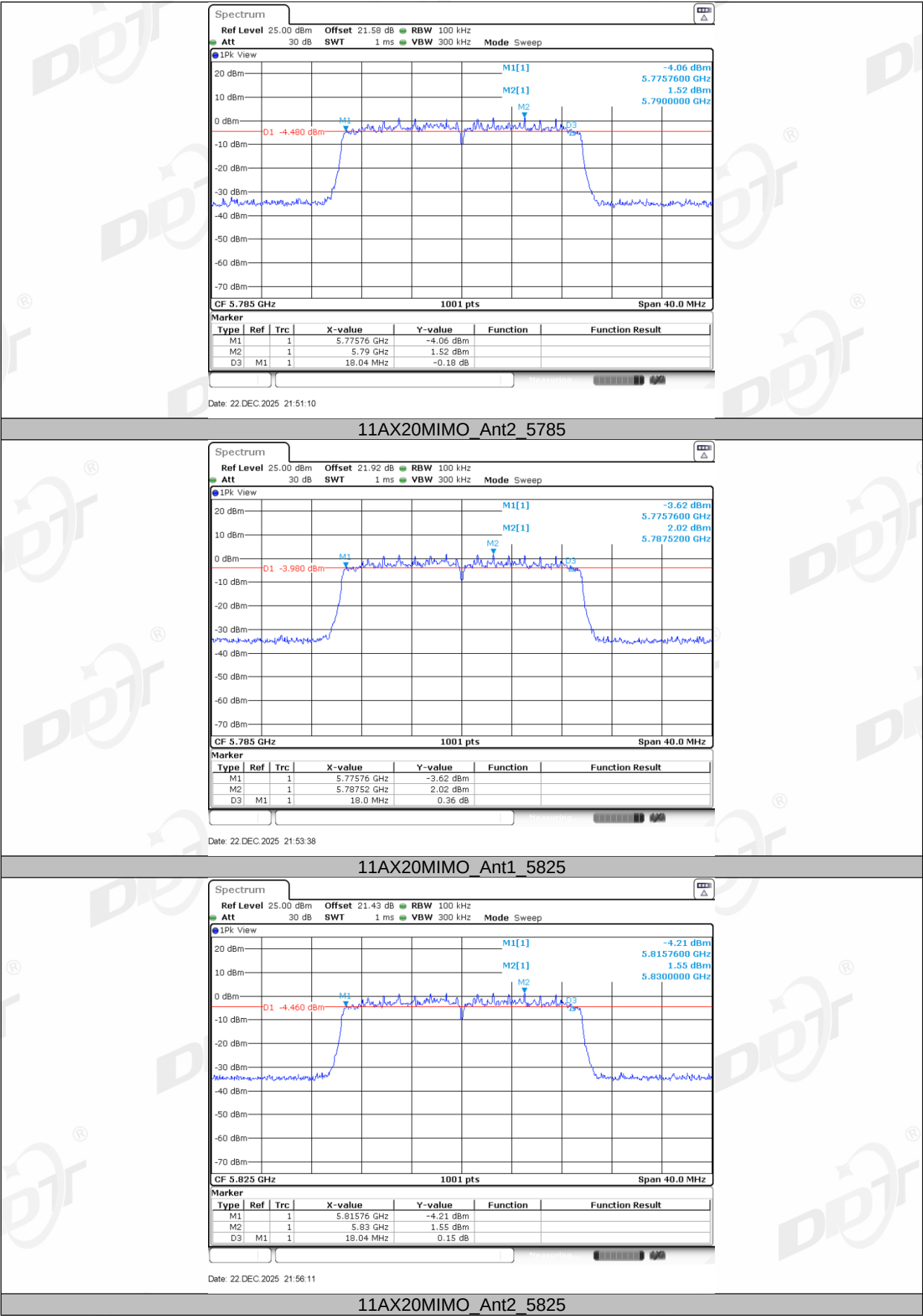
11AC20MIMO_Ant1_5785

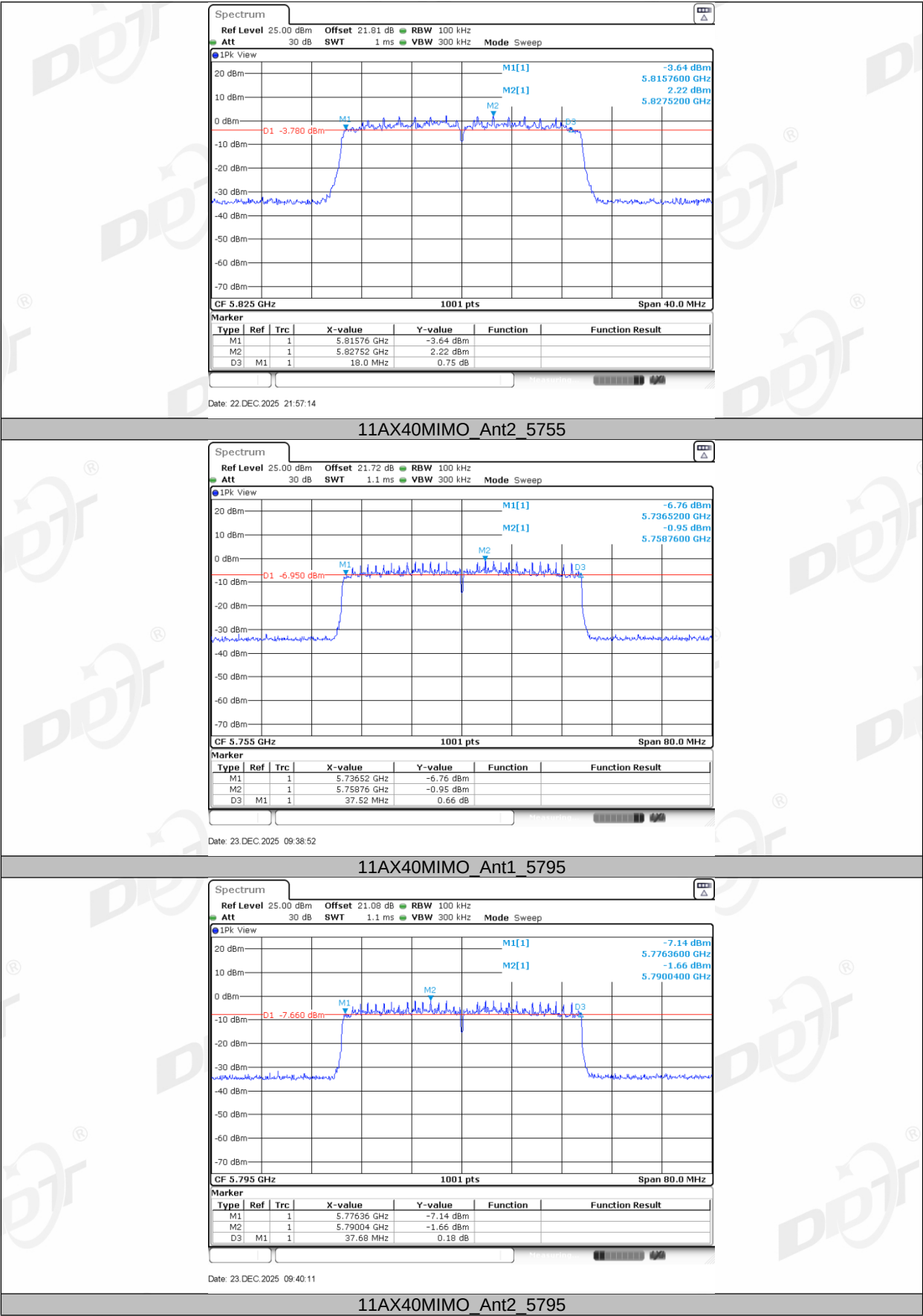


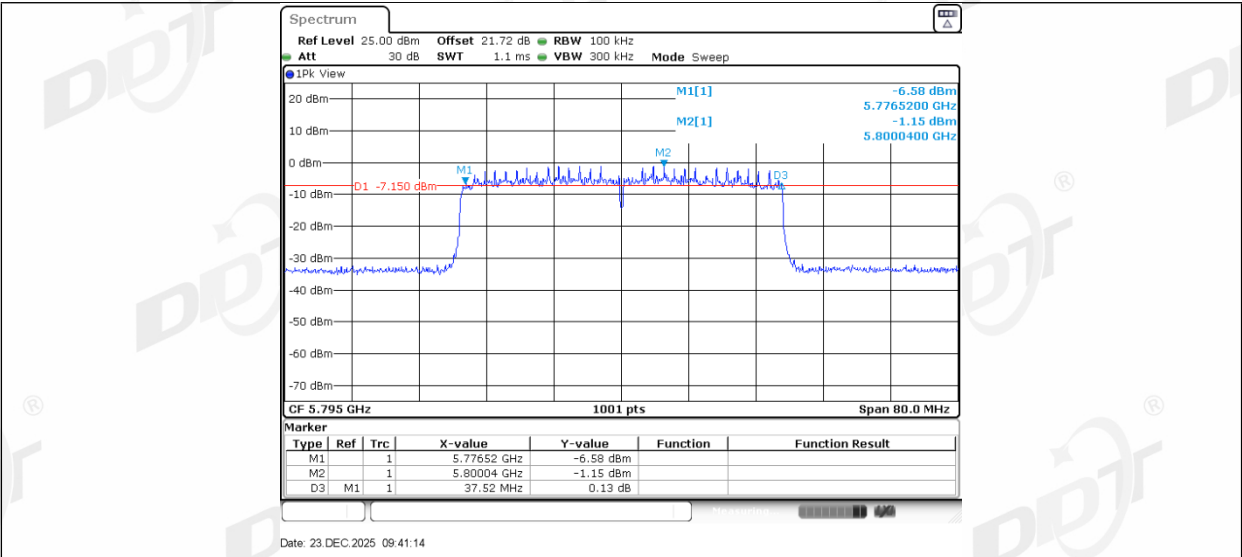




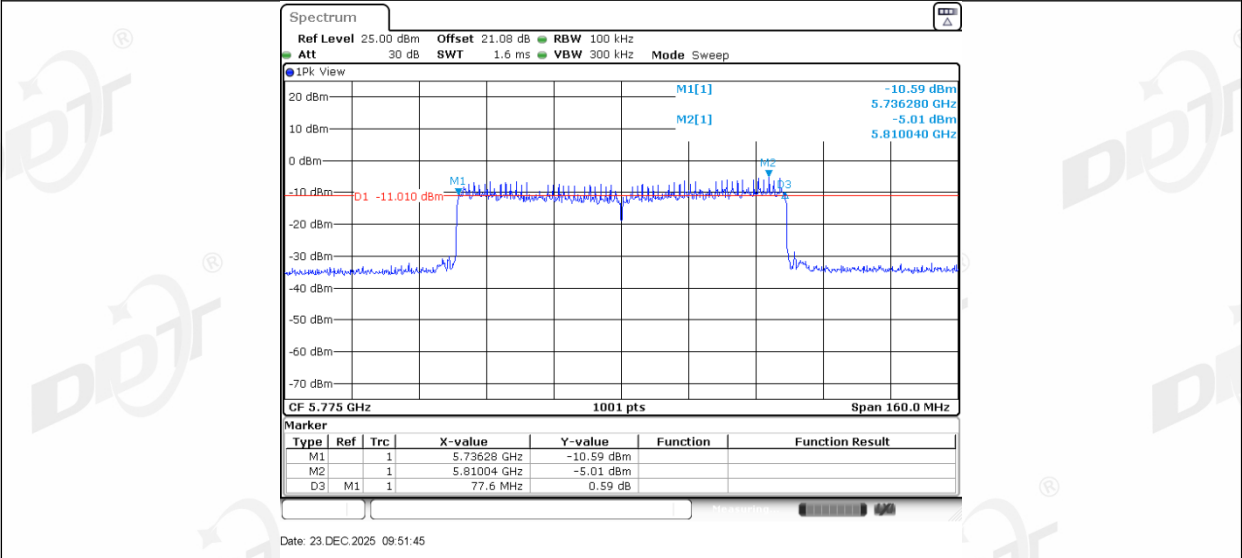




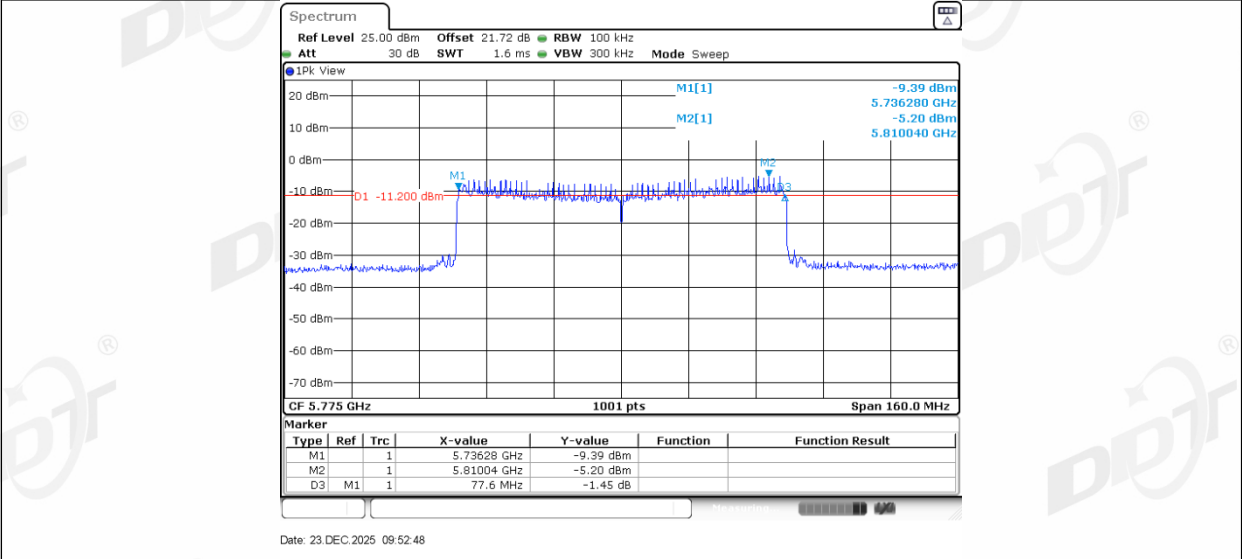




11AX80MIMO_Ant1_5775

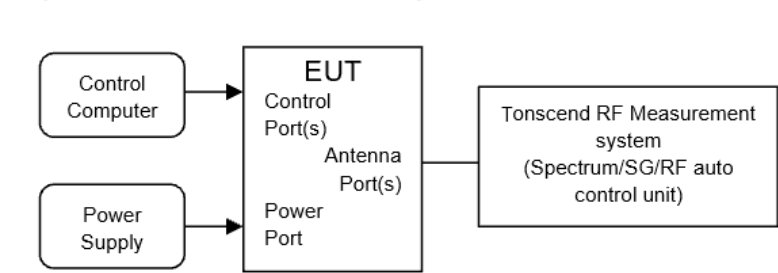


11AX80MIMO_Ant2_5775



6. 99% Bandwidth

6.1. Block diagram of test setup



6.2. Limits

Just for Report.

6.3. Test procedure

(1) Connect EUT’s antenna output to spectrum analyzer by RF cable.

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	1% to 5% of the OBW
VBW	approximately three times the RBW
Trace	Max hold

Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.

6.4. Test result

Test Engineer:	Zeng Zhongyao	Test Site:	RF Measurement System 3#
Ambient Condition:	21.2-25.2℃,38.6-42.8%RH	Test Date:	2025.12.22-2025.12.30
Test Power Supply:	AC 120V	Sample Number:	S25120216-003

TestMode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.583	5171.6883	5188.2717	---	---
	Ant2	5180	16.583	5171.6883	5188.2717	---	---
	Ant1	5200	16.583	5191.6883	5208.2717	---	---
	Ant2	5200	16.583	5191.6883	5208.2717	---	---
	Ant1	5240	16.583	5231.6883	5248.2717	---	---
	Ant2	5240	16.583	5231.7283	5248.3117	---	---
	Ant1	5260	16.623	5251.6883	5268.3117	---	---
	Ant2	5260	16.583	5251.7283	5268.3117	---	---
	Ant1	5280	16.623	5271.6883	5288.3117	---	---
	Ant2	5280	16.583	5271.7283	5288.3117	---	---
	Ant1	5320	16.623	5311.6883	5328.3117	---	---
	Ant2	5320	16.623	5311.6883	5328.3117	---	---
	Ant1	5500	16.623	5491.6484	5508.2717	---	---
	Ant2	5500	16.583	5491.6883	5508.2717	---	---
	Ant1	5580	16.623	5571.6883	5588.3117	---	---
	Ant2	5580	16.623	5571.6883	5588.3117	---	---
	Ant1	5700	16.623	5691.6883	5708.3117	---	---
	Ant2	5700	16.623	5691.6883	5708.3117	---	---
	Ant1	5720	16.623	5711.6883	5728.3117	---	---
	Ant2	5720	16.583	5711.7283	5728.3117	---	---
	Ant1	5720_UNII-2C	13.312	5711.6883	5725	---	---
	Ant2	5720_UNII-2C	13.272	5711.7283	5725	---	---
	Ant1	5720_UNII-3	3.312	5725	5728.3117	---	---
	Ant2	5720_UNII-3	3.312	5725	5728.3117	---	---
	Ant1	5745	16.623	5736.6883	5753.3117	---	---
	Ant2	5745	16.623	5736.6883	5753.3117	---	---
	Ant1	5785	16.623	5776.6883	5793.3117	---	---
	Ant2	5785	16.623	5776.6883	5793.3117	---	---

	Ant1	5825	16.623	5816.688 3	5833.311 7	---	---
	Ant2	5825	16.583	5816.688 3	5833.271 7	---	---
11N20MIMO	Ant1	5180	17.622	5171.168 8	5188.791 2	---	---
	Ant2	5180	17.582	5171.208 8	5188.791 2	---	---
	Ant1	5200	17.582	5191.168 8	5208.751 2	---	---
	Ant2	5200	17.582	5191.168 8	5208.751 2	---	---
	Ant1	5240	17.582	5231.168 8	5248.751 2	---	---
	Ant2	5240	17.582	5231.208 8	5248.791 2	---	---
	Ant1	5260	17.622	5251.168 8	5268.791 2	---	---
	Ant2	5260	17.582	5251.208 8	5268.791 2	---	---
	Ant1	5280	17.622	5271.168 8	5288.791 2	---	---
	Ant2	5280	17.582	5271.208 8	5288.791 2	---	---
	Ant1	5320	17.622	5311.168 8	5328.791 2	---	---
	Ant2	5320	17.582	5311.208 8	5328.791 2	---	---
	Ant1	5500	17.582	5491.168 8	5508.751 2	---	---
	Ant2	5500	17.582	5491.208 8	5508.791 2	---	---
	Ant1	5580	17.622	5571.168 8	5588.791 2	---	---
	Ant2	5580	17.582	5571.208 8	5588.791 2	---	---
	Ant1	5700	17.622	5691.168 8	5708.791 2	---	---
	Ant2	5700	17.582	5691.208 8	5708.791 2	---	---
	Ant1	5720	17.582	5711.208 8	5728.791 2	---	---
	Ant2	5720	17.542	5711.248 8	5728.791 2	---	---
	Ant1	5720_UNII-2C	13.791	5711.208 8	5725	---	---
	Ant2	5720_UNII-2C	13.751	5711.248 8	5725	---	---
	Ant1	5720_UNII-3	3.791	5725	5728.791 2	---	---
	Ant2	5720_UNII-3	3.791	5725	5728.791 2	---	---
	Ant1	5745	17.582	5736.208 8	5753.791 2	---	---
	Ant2	5745	17.582	5736.208 8	5753.791 2	---	---
	Ant1	5785	17.622	5776.168 8	5793.791 2	---	---
	Ant2	5785	17.582	5776.208 8	5793.791 2	---	---
	Ant1	5825	17.622	5816.168 8	5833.791 2	---	---
	Ant2	5825	17.582	5816.208 8	5833.791 2	---	---
11N40MIMO	Ant1	5190	36.044	5171.938	5207.982	---	---

				1	0		
	Ant2	5190	36.044	5171.938 1	5207.982 0	---	---
	Ant1	5230	36.044	5212.018 0	5248.061 9	---	---
	Ant2	5230	36.124	5211.938 1	5248.061 9	---	---
	Ant1	5270	36.124	5251.938 1	5288.061 9	---	---
	Ant2	5270	36.204	5251.938 1	5288.141 9	---	---
	Ant1	5310	36.044	5292.018 0	5328.061 9	---	---
	Ant2	5310	36.124	5291.938 1	5328.061 9	---	---
	Ant1	5510	36.044	5491.938 1	5527.982 0	---	---
	Ant2	5510	36.124	5491.938 1	5528.061 9	---	---
	Ant1	5550	36.044	5531.938 1	5567.982 0	---	---
	Ant2	5550	36.044	5531.938 1	5567.982 0	---	---
	Ant1	5670	36.044	5652.018 0	5688.061 9	---	---
	Ant2	5670	36.124	5652.018 0	5688.141 9	---	---
	Ant1	5710	36.044	5692.018 0	5728.061 9	---	---
	Ant2	5710	36.124	5692.018 0	5728.141 9	---	---
	Ant1	5710_UNII-2C	32.982	5692.018 0	5725	---	---
	Ant2	5710_UNII-2C	32.982	5692.018 0	5725	---	---
	Ant1	5710_UNII-3	3.062	5725	5728.061 9	---	---
	Ant2	5710_UNII-3	3.142	5725	5728.141 9	---	---
	Ant1	5755	36.044	5737.018 0	5773.061 9	---	---
	Ant2	5755	36.044	5737.018 0	5773.061 9	---	---
	Ant1	5795	36.044	5776.938 1	5812.982 0	---	---
	Ant2	5795	36.124	5776.938 1	5813.061 9	---	---
11AC20MIM O	Ant1	5180	17.582	5171.208 8	5188.791 2	---	---
	Ant2	5180	17.582	5171.208 8	5188.791 2	---	---
	Ant1	5200	17.582	5191.208 8	5208.791 2	---	---
	Ant2	5200	17.582	5191.208 8	5208.791 2	---	---
	Ant1	5240	17.582	5231.208 8	5248.791 2	---	---
	Ant2	5240	17.582	5231.208 8	5248.791 2	---	---
	Ant1	5260	17.582	5251.208 8	5268.791 2	---	---
	Ant2	5260	17.582	5251.208 8	5268.791 2	---	---
	Ant1	5280	17.582	5271.208 8	5288.791 2	---	---

	Ant2	5280	17.582	5271.208 8	5288.791 2	---	---
	Ant1	5320	17.582	5311.208 8	5328.791 2	---	---
	Ant2	5320	17.582	5311.208 8	5328.791 2	---	---
	Ant1	5500	17.582	5491.208 8	5508.791 2	---	---
	Ant2	5500	17.582	5491.208 8	5508.791 2	---	---
	Ant1	5580	17.582	5571.208 8	5588.791 2	---	---
	Ant2	5580	17.582	5571.208 8	5588.791 2	---	---
	Ant1	5700	17.622	5691.208 8	5708.831 2	---	---
	Ant2	5700	17.582	5691.248 8	5708.831 2	---	---
	Ant1	5720	17.622	5711.208 8	5728.831 2	---	---
	Ant2	5720	17.582	5711.248 8	5728.831 2	---	---
	Ant1	5720_UNII-2C	13.791	5711.208 8	5725	---	---
	Ant2	5720_UNII-2C	13.751	5711.248 8	5725	---	---
	Ant1	5720_UNII-3	3.831	5725	5728.831 2	---	---
	Ant2	5720_UNII-3	3.831	5725	5728.831 2	---	---
	Ant1	5745	17.622	5736.208 8	5753.831 2	---	---
	Ant2	5745	17.622	5736.208 8	5753.831 2	---	---
	Ant1	5785	17.582	5776.208 8	5793.791 2	---	---
	Ant2	5785	17.582	5776.208 8	5793.791 2	---	---
	Ant1	5825	17.582	5816.208 8	5833.791 2	---	---
	Ant2	5825	17.582	5816.208 8	5833.791 2	---	---
11AC40MIM O	Ant1	5190	36.204	5171.938 1	5208.141 9	---	---
	Ant2	5190	36.124	5171.938 1	5208.061 9	---	---
	Ant1	5230	36.204	5211.938 1	5248.141 9	---	---
	Ant2	5230	36.204	5211.938 1	5248.141 9	---	---
	Ant1	5270	36.204	5251.938 1	5288.141 9	---	---
	Ant2	5270	36.124	5252.018 0	5288.141 9	---	---
	Ant1	5310	36.124	5292.018 0	5328.141 9	---	---
	Ant2	5310	36.124	5292.018 0	5328.141 9	---	---
	Ant1	5510	36.204	5491.858 1	5528.061 9	---	---
	Ant2	5510	36.204	5491.938 1	5528.141 9	---	---
	Ant1	5550	36.124	5531.938 1	5568.061 9	---	---
	Ant2	5550	36.124	5531.938	5568.061	---	---

				1	9		
	Ant1	5670	36.204	5652.018 0	5688.221 8	---	---
	Ant2	5670	36.124	5652.018 0	5688.141 9	---	---
	Ant1	5710	36.124	5692.018 0	5728.141 9	---	---
	Ant2	5710	36.124	5692.018 0	5728.141 9	---	---
	Ant1	5710_UNII-2C	32.982	5692.018 0	5725	---	---
	Ant2	5710_UNII-2C	32.982	5692.018 0	5725	---	---
	Ant1	5710_UNII-3	3.142	5725	5728.141 9	---	---
	Ant2	5710_UNII-3	3.142	5725	5728.141 9	---	---
	Ant1	5755	36.124	5737.018 0	5773.141 9	---	---
	Ant2	5755	36.124	5737.018 0	5773.141 9	---	---
	Ant1	5795	36.204	5776.938 1	5813.141 9	---	---
	Ant2	5795	36.204	5776.938 1	5813.141 9	---	---
11AC80MIM O	Ant1	5210	77.043	5171.638 4	5248.681 3	---	---
	Ant2	5210	76.883	5171.638 4	5248.521 5	---	---
	Ant1	5290	77.203	5251.478 5	5328.681 3	---	---
	Ant2	5290	77.203	5251.478 5	5328.681 3	---	---
	Ant1	5530	77.203	5491.478 5	5568.681 3	---	---
	Ant2	5530	76.883	5491.638 4	5568.521 5	---	---
	Ant1	5610	77.043	5571.478 5	5648.521 5	---	---
	Ant2	5610	77.203	5571.318 7	5648.521 5	---	---
	Ant1	5690	77.043	5651.638 4	5728.681 3	---	---
	Ant2	5690	77.203	5651.478 5	5728.681 3	---	---
	Ant1	5690_UNII-2C	73.362	5651.638 4	5725	---	---
	Ant2	5690_UNII-2C	73.521	5651.478 5	5725	---	---
	Ant1	5690_UNII-3	3.681	5725	5728.681 3	---	---
	Ant2	5690_UNII-3	3.681	5725	5728.681 3	---	---
	Ant1	5775	77.043	5736.638 4	5813.681 3	---	---
	Ant2	5775	77.203	5736.478 5	5813.681 3	---	---
11AX20MIM O	Ant1	5180	19.021	5170.489 5	5189.510 5	---	---
	Ant2	5180	19.021	5170.489 5	5189.510 5	---	---
	Ant1	5200	19.021	5190.489 5	5209.510 5	---	---
	Ant2	5200	19.021	5190.489 5	5209.510 5	---	---

	Ant1	5240	19.021	5230.489 5	5249.510 5	---	---
	Ant2	5240	19.021	5230.489 5	5249.510 5	---	---
	Ant1	5260	19.021	5250.489 5	5269.510 5	---	---
	Ant2	5260	19.021	5250.489 5	5269.510 5	---	---
	Ant1	5280	19.021	5270.489 5	5289.510 5	---	---
	Ant2	5280	19.021	5270.489 5	5289.510 5	---	---
	Ant1	5320	19.021	5310.489 5	5329.510 5	---	---
	Ant2	5320	19.021	5310.489 5	5329.510 5	---	---
	Ant1	5500	19.021	5490.449 6	5509.470 5	---	---
	Ant2	5500	19.021	5490.489 5	5509.510 5	---	---
	Ant1	5580	19.021	5570.489 5	5589.510 5	---	---
	Ant2	5580	19.021	5570.489 5	5589.510 5	---	---
	Ant1	5700	19.021	5690.489 5	5709.510 5	---	---
	Ant2	5700	19.021	5690.489 5	5709.510 5	---	---
	Ant1	5720	19.021	5710.489 5	5729.510 5	---	---
	Ant2	5720	18.981	5710.529 5	5729.510 5	---	---
	Ant1	5720_UNII-2C	14.511	5710.489 5	5725	---	---
	Ant2	5720_UNII-2C	14.471	5710.529 5	5725	---	---
	Ant1	5720_UNII-3	4.511	5725	5729.510 5	---	---
	Ant2	5720_UNII-3	4.511	5725	5729.510 5	---	---
	Ant1	5745	19.021	5735.489 5	5754.510 5	---	---
	Ant2	5745	19.021	5735.489 5	5754.510 5	---	---
	Ant1	5785	19.021	5775.489 5	5794.510 5	---	---
	Ant2	5785	19.021	5775.489 5	5794.510 5	---	---
	Ant1	5825	19.021	5815.489 5	5834.510 5	---	---
	Ant2	5825	19.021	5815.489 5	5834.510 5	---	---
11AX40MIM O	Ant1	5190	37.802	5171.058 9	5208.861 1	---	---
	Ant2	5190	37.722	5171.058 9	5208.781 2	---	---
	Ant1	5230	37.802	5211.058 9	5248.861 1	---	---
	Ant2	5230	37.802	5211.058 9	5248.861 1	---	---
	Ant1	5270	37.802	5251.058 9	5288.861 1	---	---
	Ant2	5270	37.722	5251.138 9	5288.861 1	---	---
	Ant1	5310	37.722	5291.138	5328.861	---	---

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	Ant2	5310	37.722	5291.138 9	5328.861 1	---	---
	Ant1	5510	37.722	5491.058 9	5528.781 2	---	---
	Ant2	5510	37.802	5491.058 9	5528.861 1	---	---
	Ant1	5550	37.802	5531.058 9	5568.861 1	---	---
	Ant2	5550	37.722	5531.058 9	5568.781 2	---	---
	Ant1	5670	37.802	5651.138 9	5688.941 1	---	---
	Ant2	5670	37.802	5651.138 9	5688.941 1	---	---
	Ant1	5710	37.722	5691.138 9	5728.861 1	---	---
	Ant2	5710	37.802	5691.138 9	5728.941 1	---	---
	Ant1	5710_UNII-2C	33.861	5691.138 9	5725	---	---
	Ant2	5710_UNII-2C	33.861	5691.138 9	5725	---	---
	Ant1	5710_UNII-3	3.861	5725	5728.861 1	---	---
	Ant2	5710_UNII-3	3.941	5725	5728.941 1	---	---
	Ant1	5755	37.802	5736.138 9	5773.941 1	---	---
	Ant2	5755	37.722	5736.138 9	5773.861 1	---	---
	Ant1	5795	37.722	5776.138 9	5813.861 1	---	---
	Ant2	5795	37.722	5776.138 9	5813.861 1	---	---
	Ant1	5210	78.002	5171.158 8	5249.160 8	---	---
	Ant2	5210	77.842	5171.158 8	5249.001 0	---	---
	Ant1	5290	77.842	5251.158 8	5329.001 0	---	---
	Ant2	5290	78.002	5251.158 8	5329.160 8	---	---
	Ant1	5530	78.002	5491.158 8	5569.160 8	---	---
	Ant2	5530	77.682	5491.318 7	5569.001 0	---	---
11AX80MIM O	Ant1	5610	78.002	5570.999 0	5649.001 0	---	---
	Ant2	5610	78.002	5570.999 0	5649.001 0	---	---
	Ant1	5690	78.002	5651.158 8	5729.160 8	---	---
	Ant2	5690	78.002	5651.158 8	5729.160 8	---	---
	Ant1	5690_UNII-2C	73.841	5651.158 8	5725	---	---
	Ant2	5690_UNII-2C	73.841	5651.158 8	5725	---	---
	Ant1	5690_UNII-3	4.161	5725	5729.160 8	---	---
	Ant2	5690_UNII-3	4.161	5725	5729.160 8	---	---
	Ant1	5775	77.842	5736.318 7	5814.160 8	---	---

	Ant2	5775	78.002	5736.158 8	5814.160 8	---	---
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6.5. Test graphs

