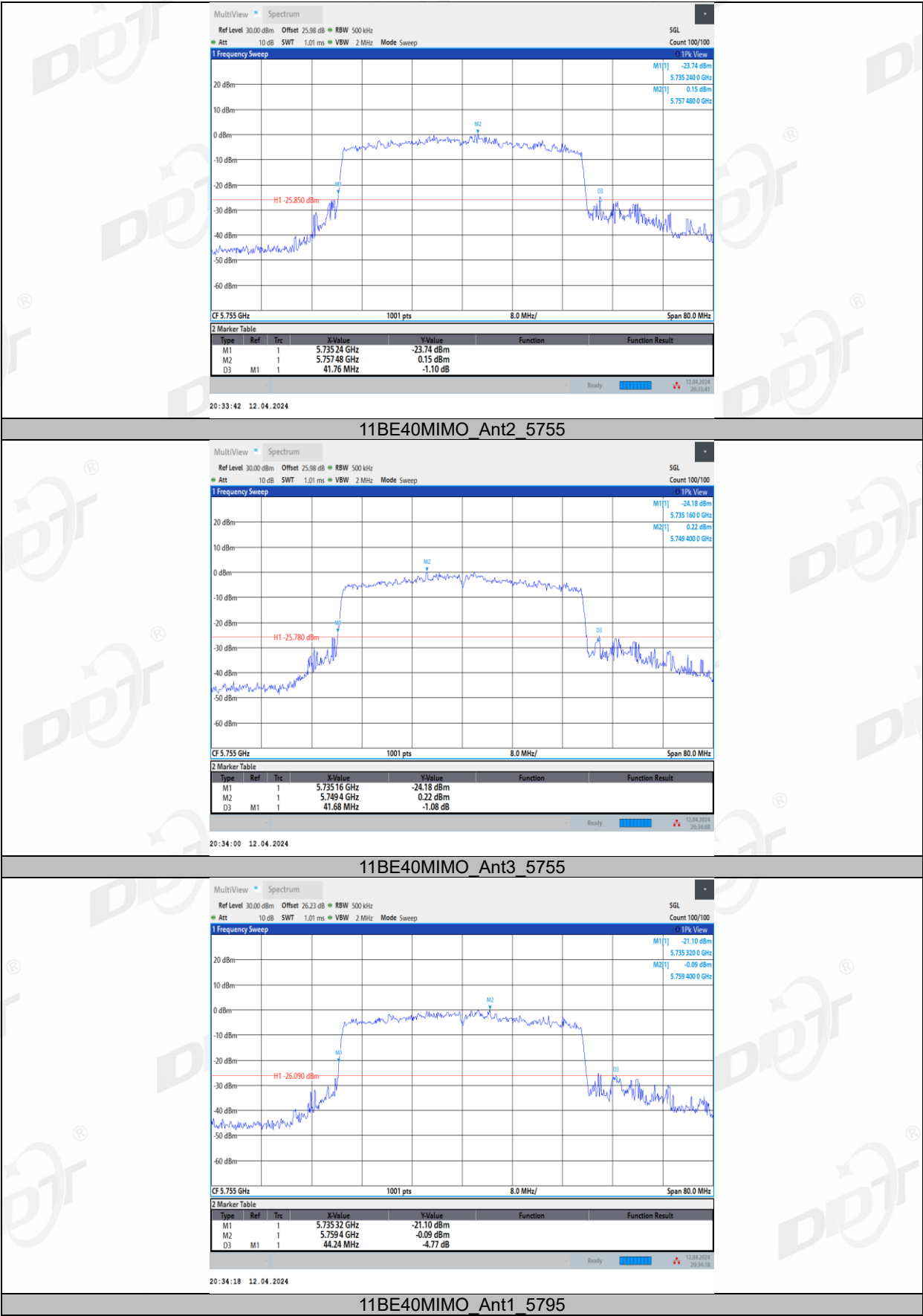
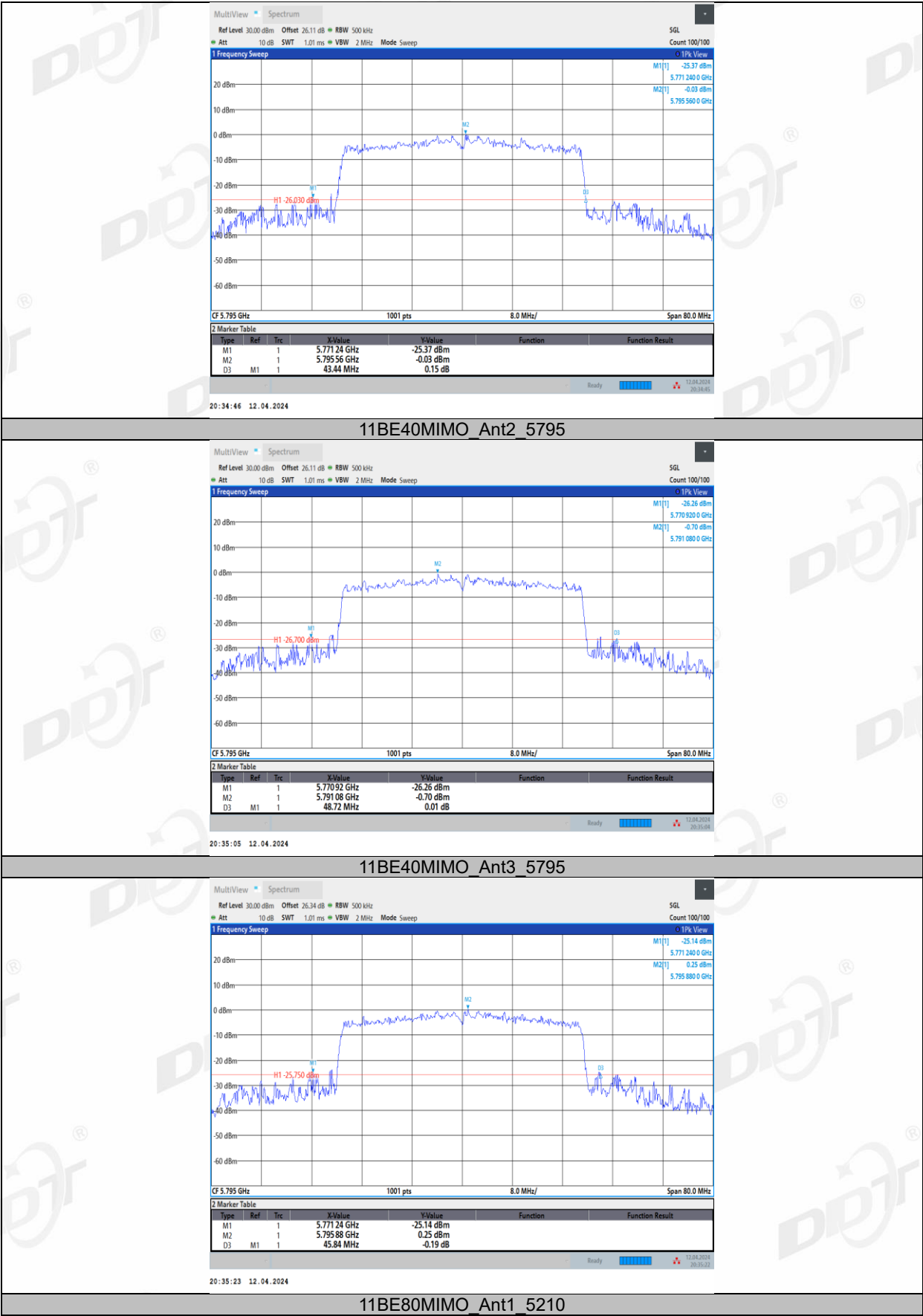
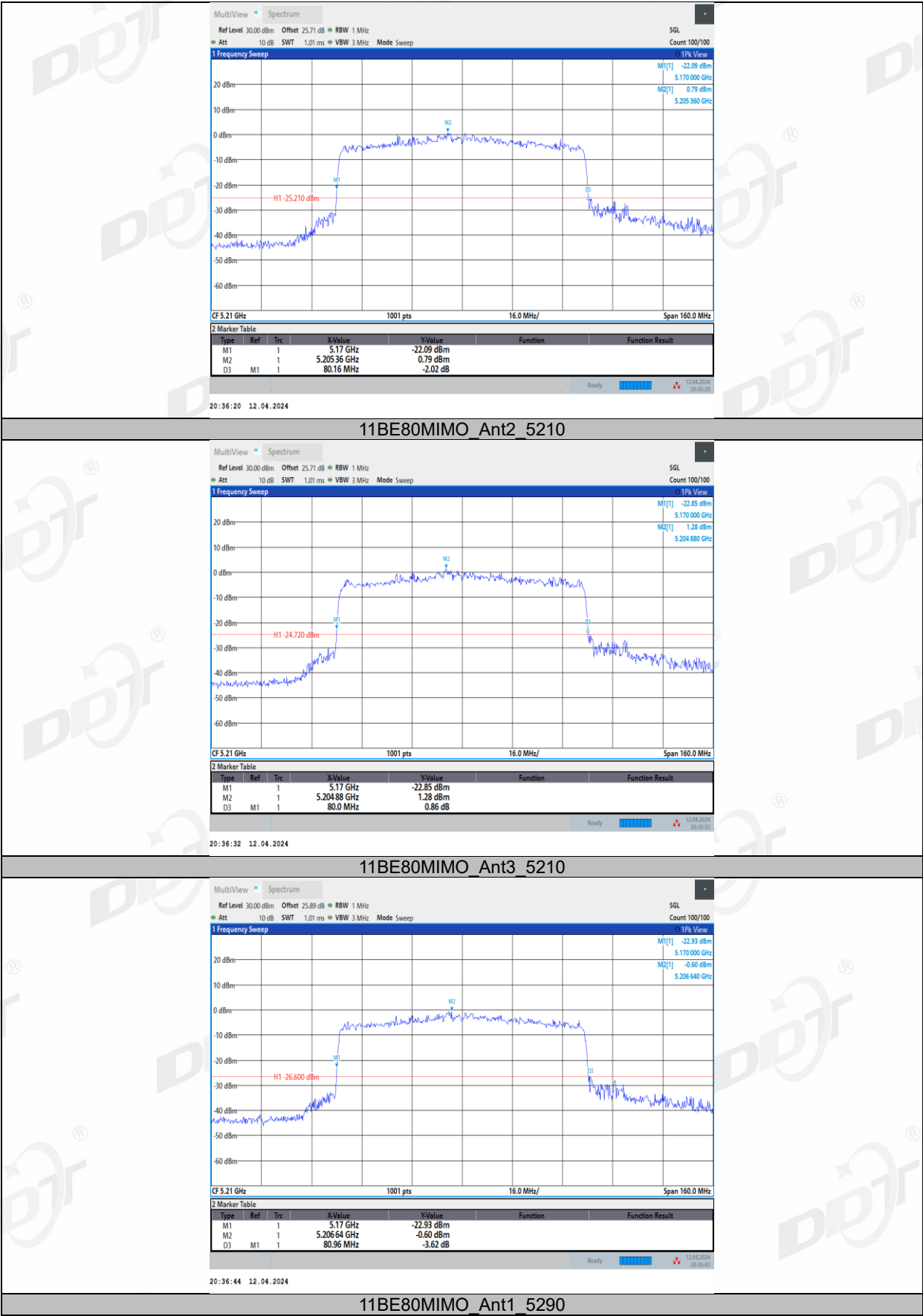
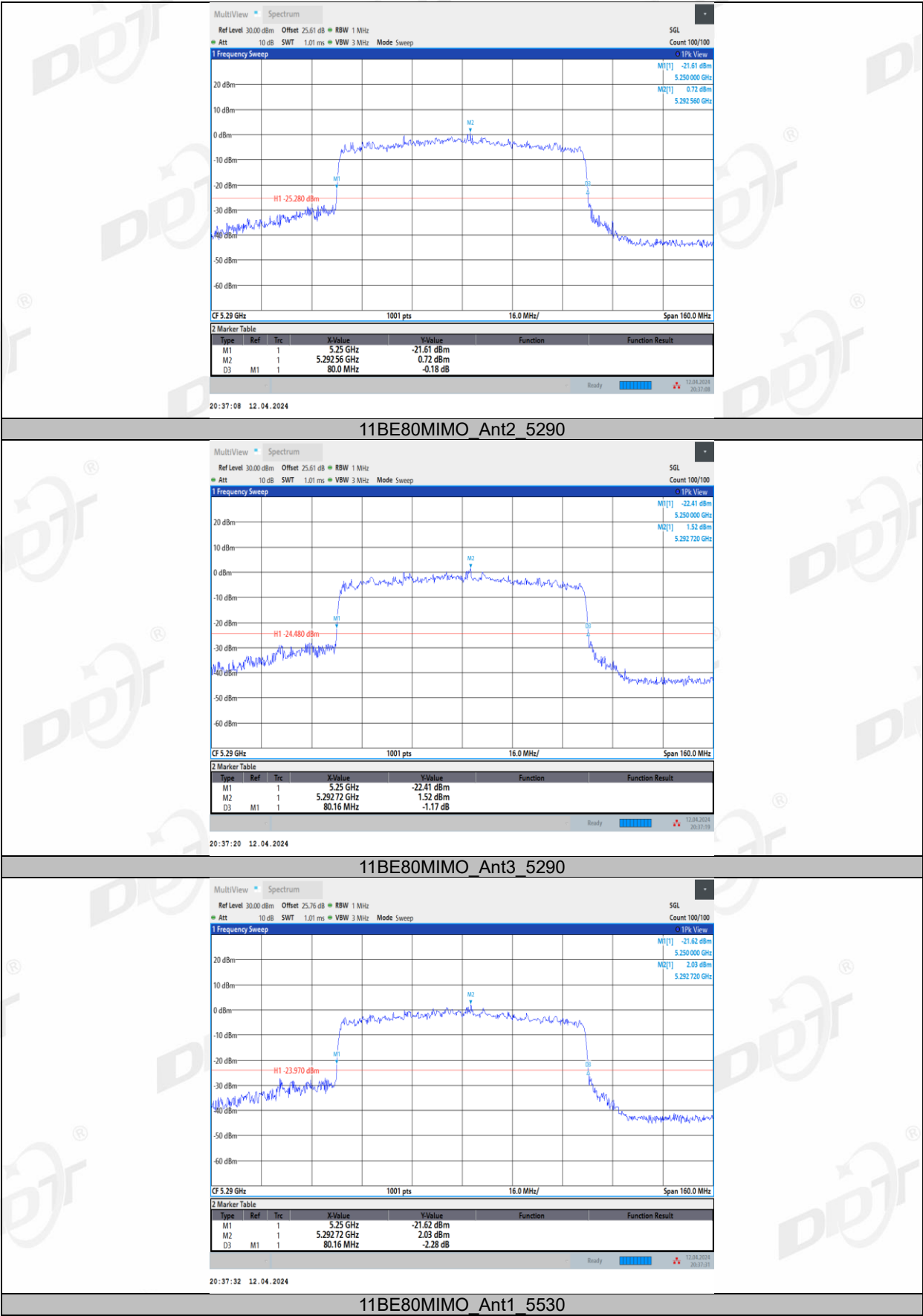
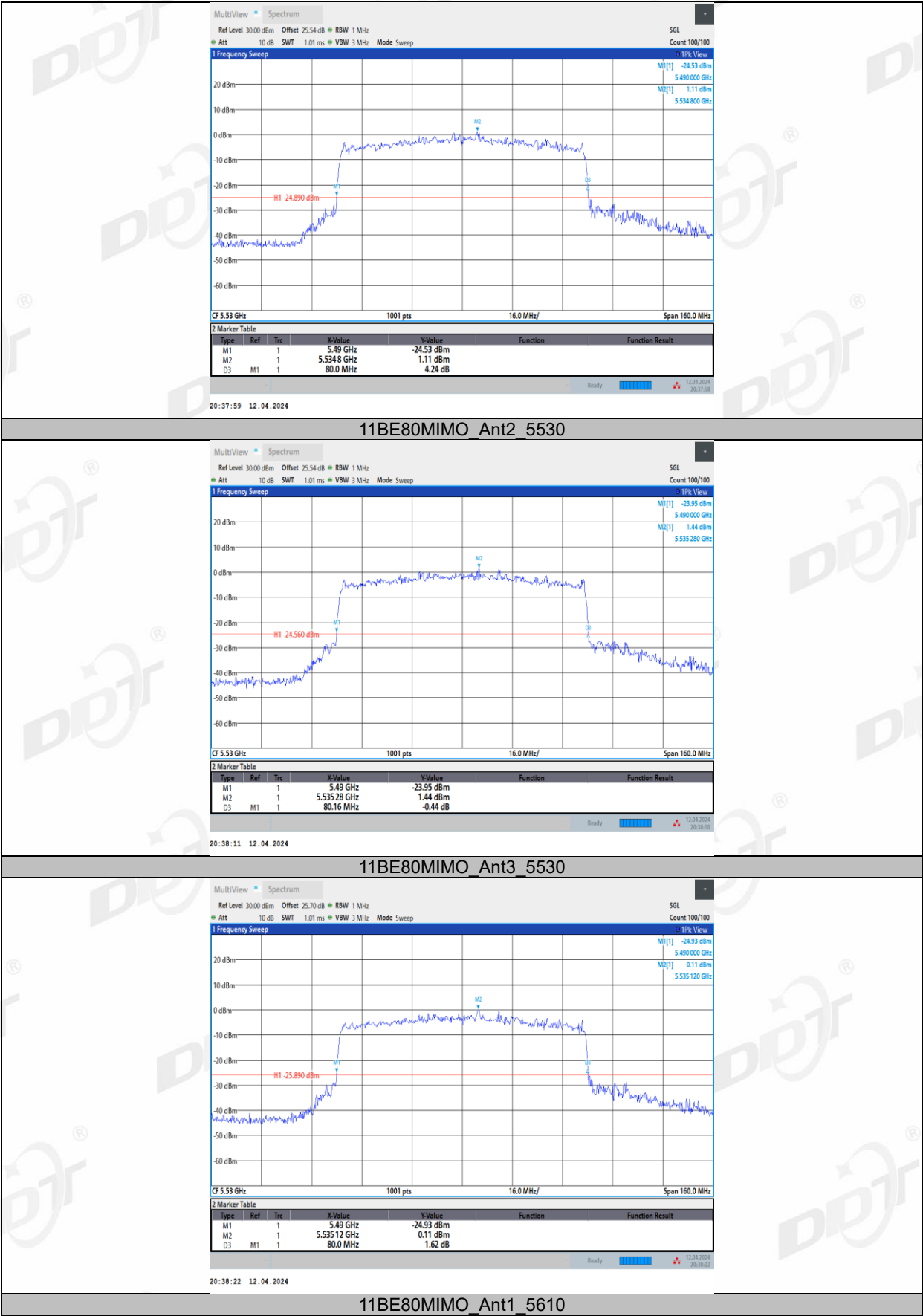






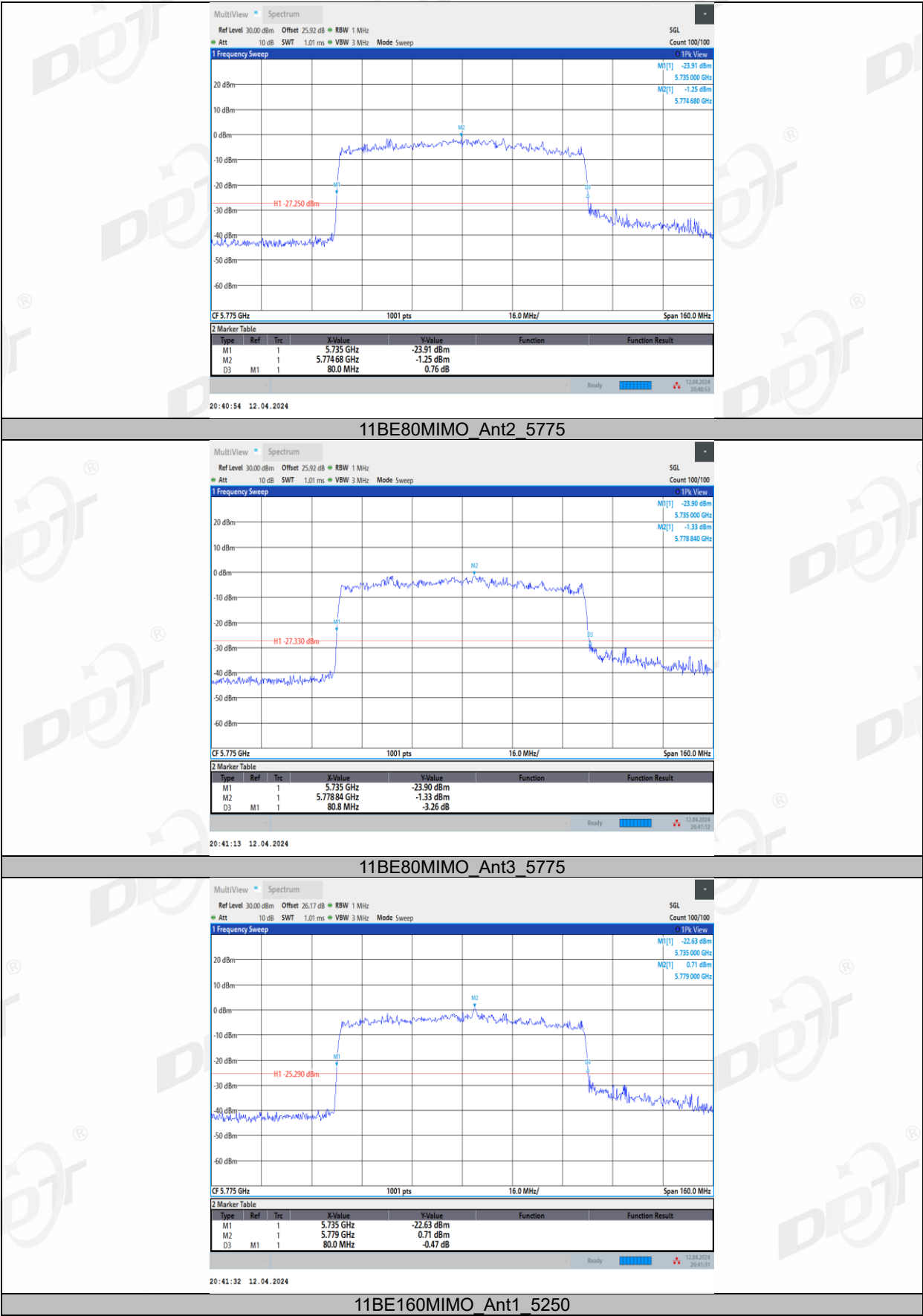


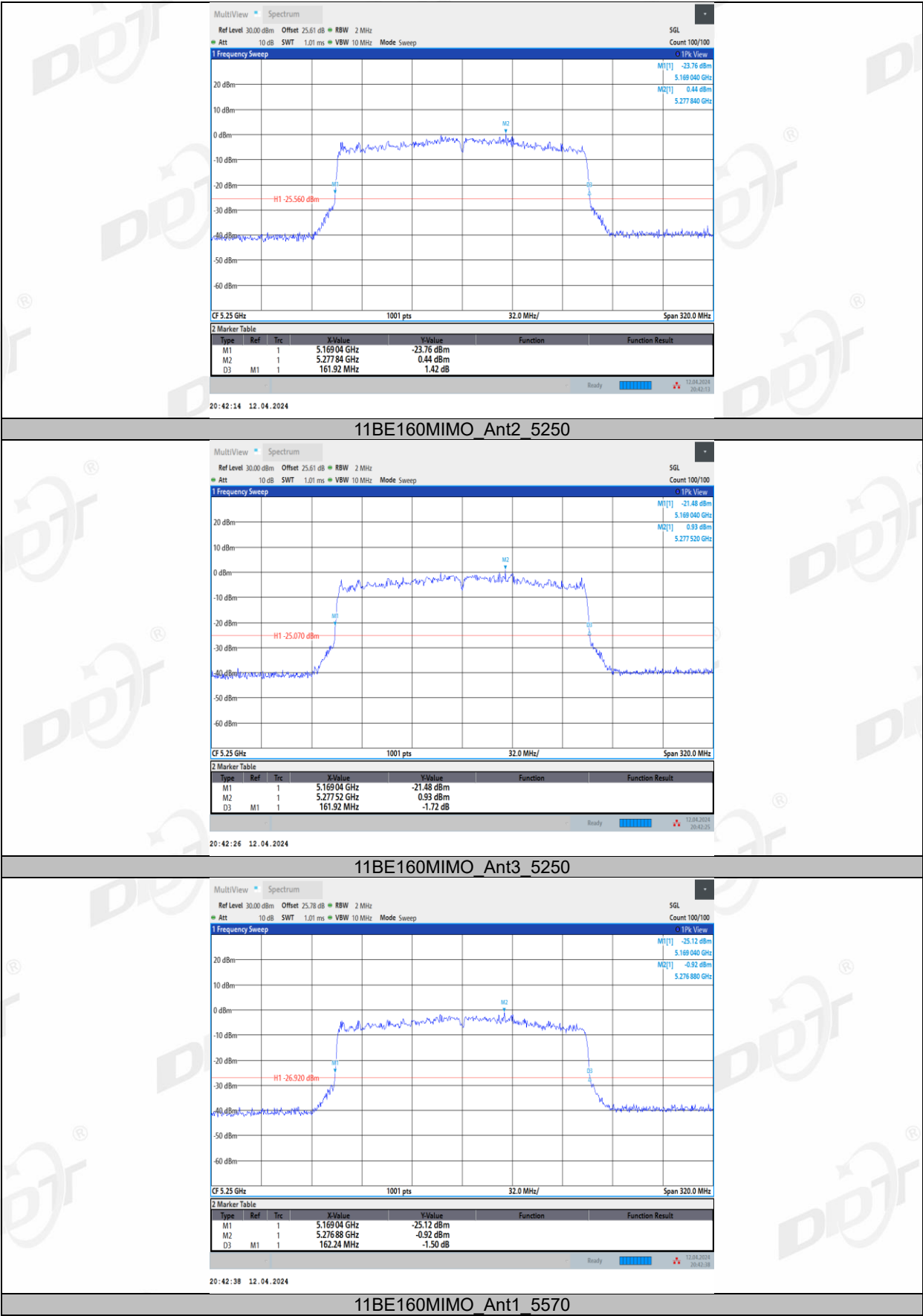


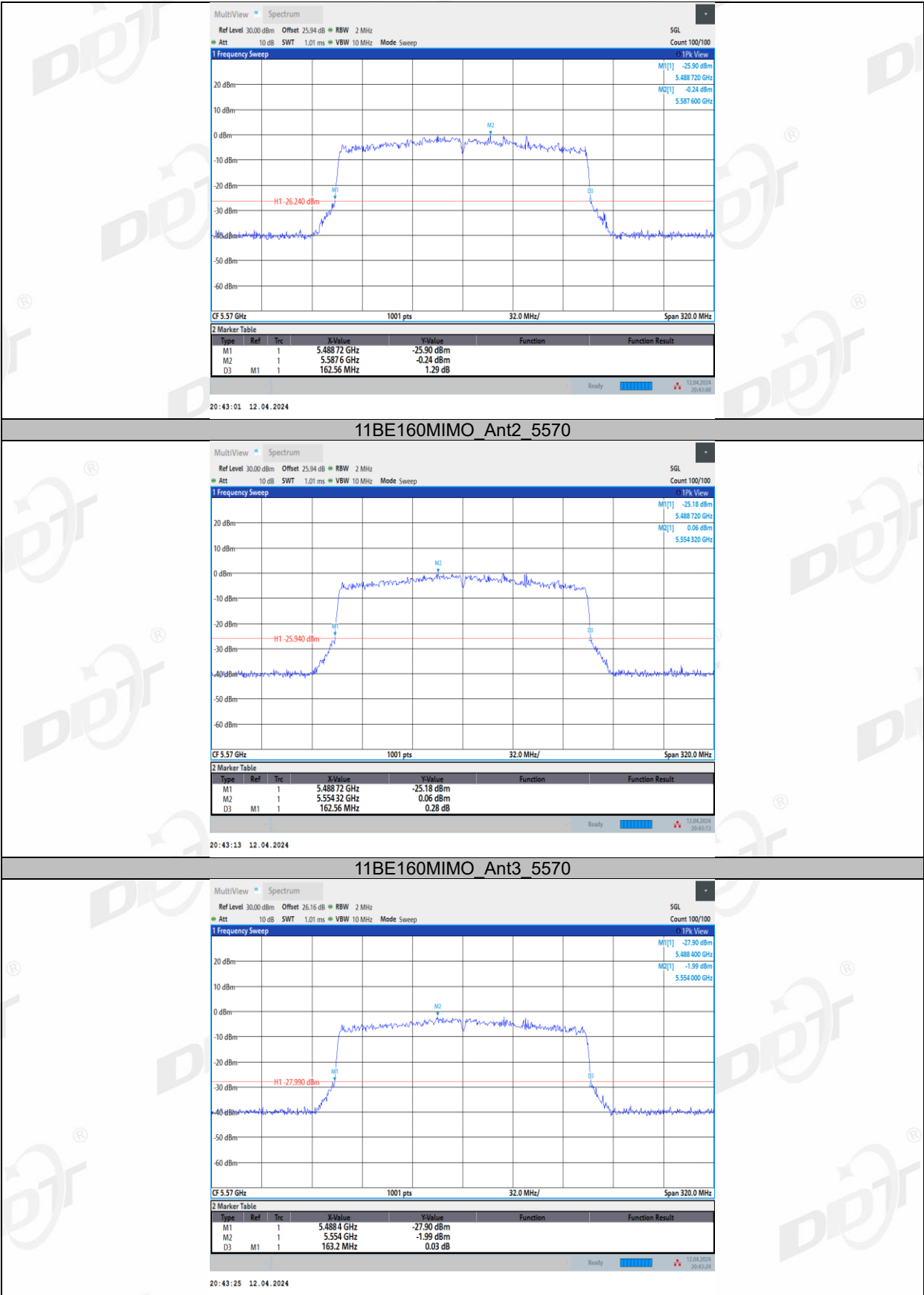






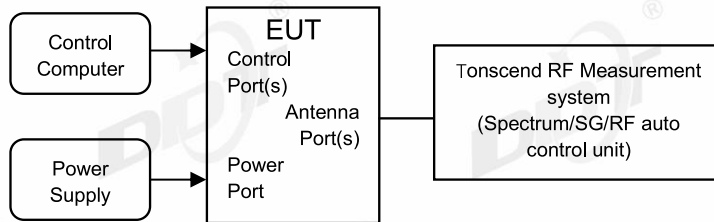






5. 6dB Bandwidth

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:	Haofeng	Test Site:	RF Measurement System 4#
Ambient Condition:	24.9℃,50.5%RH	Test Date:	2024.04.11-2024.04.12
Test Power Supply:	AC 120V/60Hz	Sample Number:	S24032709-002

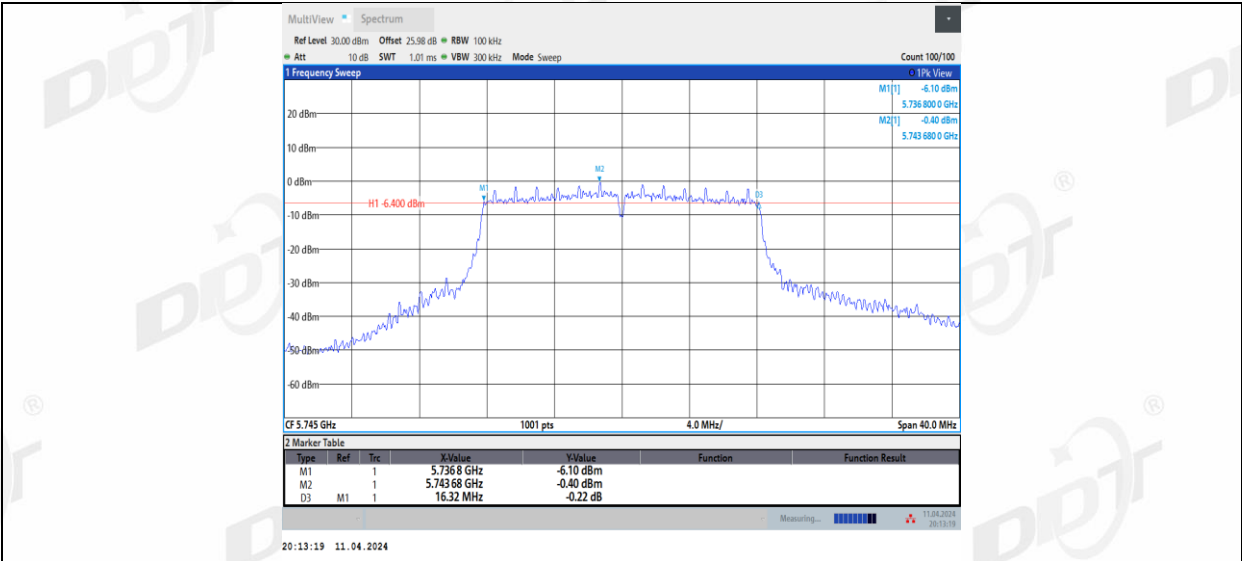
Test Mode	Antenna	Frequency [MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5720	16.08	5712.04	5728.12	0.5	PASS
	Ant2	5720	16.32	5711.80	5728.12	0.5	PASS
	Ant3	5720	16.32	5711.80	5728.12	0.5	PASS
	Ant1	5720 UNII-3	3.12	5725	5728.12	0.5	PASS
	Ant2	5720 UNII-3	3.12	5725	5728.12	0.5	PASS
	Ant3	5720 UNII-3	3.12	5725	5728.12	0.5	PASS
	Ant1	5745	16.32	5736.80	5753.12	0.5	PASS
	Ant2	5745	16.32	5736.80	5753.12	0.5	PASS
	Ant3	5745	16.32	5736.80	5753.12	0.5	PASS
	Ant1	5785	16.08	5776.80	5792.88	0.5	PASS
	Ant2	5785	16.32	5776.80	5793.12	0.5	PASS
	Ant3	5785	16.32	5776.80	5793.12	0.5	PASS
	Ant1	5825	16.32	5816.80	5833.12	0.5	PASS
	Ant2	5825	16.32	5816.80	5833.12	0.5	PASS
	Ant3	5825	16.32	5816.80	5833.12	0.5	PASS
11N20 MIMO	Ant1	5720	16.92	5711.44	5728.36	0.5	PASS
	Ant2	5720	17.56	5711.16	5728.72	0.5	PASS
	Ant3	5720	17.16	5711.20	5728.36	0.5	PASS
	Ant1	5720 UNII-3	3.36	5725	5728.36	0.5	PASS
	Ant2	5720 UNII-3	3.72	5725	5728.72	0.5	PASS
	Ant3	5720 UNII-3	3.36	5725	5728.36	0.5	PASS
	Ant1	5745	16.92	5736.44	5753.36	0.5	PASS
	Ant2	5745	17.52	5736.20	5753.72	0.5	PASS
	Ant3	5745	17.16	5736.20	5753.36	0.5	PASS
	Ant1	5785	16.92	5776.44	5793.36	0.5	PASS
	Ant2	5785	17.52	5776.20	5793.72	0.5	PASS
	Ant3	5785	17.52	5776.20	5793.72	0.5	PASS
	Ant1	5825	16.92	5816.56	5833.48	0.5	PASS
	Ant2	5825	17.52	5816.20	5833.72	0.5	PASS
	Ant3	5825	17.56	5816.20	5833.76	0.5	PASS
11N40 MIMO	Ant1	5710	35.12	5692.48	5727.60	0.5	PASS
	Ant2	5710	35.12	5692.48	5727.60	0.5	PASS
	Ant3	5710	35.12	5692.48	5727.60	0.5	PASS
	Ant1	5710 UNII-3	2.6	5725	5727.60	0.5	PASS
	Ant2	5710 UNII-3	2.6	5725	5727.60	0.5	PASS
	Ant3	5710 UNII-3	2.6	5725	5727.60	0.5	PASS
	Ant1	5755	35.12	5737.48	5772.60	0.5	PASS
	Ant2	5755	35.12	5737.48	5772.60	0.5	PASS
	Ant3	5755	35.12	5737.48	5772.60	0.5	PASS
	Ant1	5795	35.12	5777.48	5812.60	0.5	PASS
	Ant2	5795	35.12	5777.48	5812.60	0.5	PASS
	Ant3	5795	35.12	5777.48	5812.60	0.5	PASS
	Ant1	5720	17.56	5711.20	5728.76	0.5	PASS
	Ant2	5720	17.56	5711.20	5728.76	0.5	PASS
	Ant3	5720	17.60	5711.16	5728.76	0.5	PASS
11AC20 MIMO	Ant1	5720 UNII-3	3.76	5725	5728.76	0.5	PASS
	Ant2	5720 UNII-3	3.76	5725	5728.76	0.5	PASS
	Ant3	5720 UNII-3	3.76	5725	5728.76	0.5	PASS
	Ant1	5745	16.76	5736.56	5753.32	0.5	PASS
	Ant2	5745	17.16	5736.20	5753.36	0.5	PASS
	Ant3	5745	17.60	5736.16	5753.76	0.5	PASS
	Ant1	5785	16.92	5776.56	5793.48	0.5	PASS
	Ant2	5785	17.60	5776.16	5793.76	0.5	PASS
	Ant3	5785	16.92	5776.20	5793.12	0.5	PASS
	Ant1	5825	17.56	5816.20	5833.76	0.5	PASS

11AC4 0 MIMO	Ant2	5825	16.80	5816.60	5833.40	0.5	PASS
	Ant3	5825	16.80	5816.56	5833.36	0.5	PASS
	Ant1	5710	35.12	5692.48	5727.60	0.5	PASS
	Ant2	5710	33.92	5693.68	5727.60	0.5	PASS
	Ant3	5710	35.12	5692.40	5727.52	0.5	PASS
	Ant1	5710 UNII-3	2.6	5725	5727.60	0.5	PASS
	Ant2	5710 UNII-3	2.6	5725	5727.60	0.5	PASS
	Ant3	5710 UNII-3	2.52	5725	5727.52	0.5	PASS
	Ant1	5755	33.84	5738.68	5772.52	0.5	PASS
	Ant2	5755	34.48	5738.12	5772.60	0.5	PASS
	Ant3	5755	35.28	5737.24	5772.52	0.5	PASS
	Ant1	5795	35.12	5777.40	5812.52	0.5	PASS
	Ant2	5795	31.36	5778.68	5810.04	0.5	PASS
	Ant3	5795	35.12	5777.48	5812.60	0.5	PASS
11AC8 0 MIMO	Ant1	5775	75.20	5737.40	5812.60	0.5	PASS
	Ant2	5775	75.20	5737.40	5812.60	0.5	PASS
	Ant3	5775	72.64	5738.68	5811.32	0.5	PASS
11AX20 MIMO	Ant1	5720	18.48	5710.92	5729.40	0.5	PASS
	Ant2	5720	18.24	5710.76	5729.00	0.5	PASS
	Ant3	5720	18.40	5710.92	5729.32	0.5	PASS
	Ant1	5720 UNII-3	4.4	5725	5729.40	0.5	PASS
	Ant2	5720 UNII-3	4	5725	5729.00	0.5	PASS
	Ant3	5720 UNII-3	4.32	5725	5729.32	0.5	PASS
	Ant1	5745	18.56	5735.68	5754.24	0.5	PASS
	Ant2	5745	18.12	5735.68	5753.80	0.5	PASS
	Ant3	5745	17.56	5735.92	5753.48	0.5	PASS
	Ant1	5785	18.36	5775.64	5794.00	0.5	PASS
	Ant2	5785	18.12	5775.64	5793.76	0.5	PASS
	Ant3	5785	18.08	5775.92	5794.00	0.5	PASS
	Ant1	5825	18.56	5815.68	5834.24	0.5	PASS
	Ant2	5825	17.92	5816.16	5834.08	0.5	PASS
	Ant3	5825	18.32	5815.92	5834.24	0.5	PASS
11AX40 MIMO	Ant1	5710	35.12	5692.48	5727.60	0.5	PASS
	Ant2	5710	35.12	5692.48	5727.60	0.5	PASS
	Ant3	5710	34.64	5692.96	5727.60	0.5	PASS
	Ant1	5710 UNII-3	2.6	5725	5727.60	0.5	PASS
	Ant2	5710 UNII-3	2.6	5725	5727.60	0.5	PASS
	Ant3	5710 UNII-3	2.6	5725	5727.60	0.5	PASS
	Ant1	5755	35.12	5737.48	5772.60	0.5	PASS
	Ant2	5755	35.04	5737.48	5772.52	0.5	PASS
	Ant3	5755	36.08	5736.44	5772.52	0.5	PASS
	Ant1	5795	35.12	5777.48	5812.60	0.5	PASS
	Ant2	5795	35.12	5777.48	5812.60	0.5	PASS
	Ant3	5795	35.12	5777.48	5812.60	0.5	PASS
	Ant1	5775	75.20	5737.40	5812.60	0.5	PASS
	Ant2	5775	75.36	5737.40	5812.76	0.5	PASS
	Ant3	5775	73.92	5737.40	5811.32	0.5	PASS
11AX80 MIMO	Ant1	5720	17.44	5710.92	5728.36	0.5	PASS
	Ant2	5720	18.04	5710.96	5729.00	0.5	PASS
	Ant3	5720	18.08	5710.92	5729.00	0.5	PASS
	Ant1	5720 UNII-3	3.36	5725	5728.36	0.5	PASS
	Ant2	5720 UNII-3	4	5725	5729.00	0.5	PASS
	Ant3	5720 UNII-3	4	5725	5729.00	0.5	PASS
	Ant1	5745	16.20	5737.16	5753.36	0.5	PASS
	Ant2	5745	17.52	5736.16	5753.68	0.5	PASS
	Ant3	5745	16.84	5736.28	5753.12	0.5	PASS
	Ant1	5785	17.60	5776.40	5794.00	0.5	PASS
	Ant2	5785	18.36	5775.88	5794.24	0.5	PASS
	Ant3	5785	18.16	5775.84	5794.00	0.5	PASS
	Ant1	5825	17.36	5816.44	5833.80	0.5	PASS
	Ant2	5825	17.44	5816.56	5834.00	0.5	PASS
	Ant3	5825	17.68	5816.12	5833.80	0.5	PASS
11BE40 MIMO	Ant1	5710	33.28	5691.76	5725.04	0.5	PASS
	Ant2	5710	35.68	5693.12	5728.80	0.5	PASS

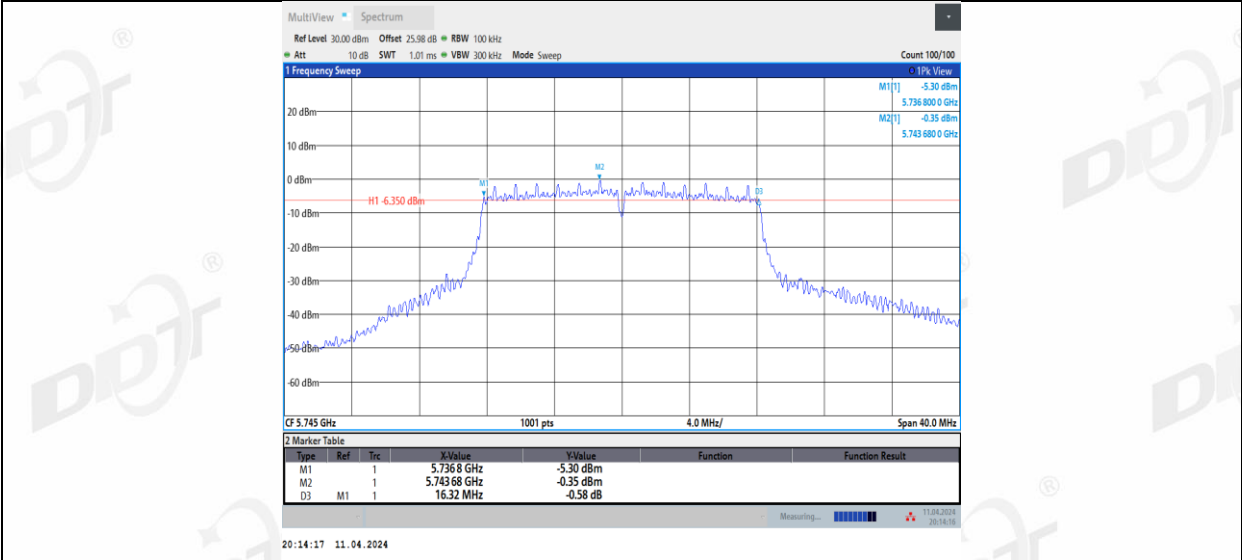
	Ant3	5710	35.04	5692.48	5727.52	0.5	PASS
	Ant1	5710 UNII-3	0.04	5725	5725.04	0.5	PASS
	Ant2	5710 UNII-3	3.8	5725	5728.80	0.5	PASS
	Ant3	5710 UNII-3	2.52	5725	5727.52	0.5	PASS
	Ant1	5755	36.16	5736.44	5772.60	0.5	PASS
	Ant2	5755	33.84	5737.48	5771.32	0.5	PASS
	Ant3	5755	35.04	5737.48	5772.52	0.5	PASS
	Ant1	5795	35.76	5777.24	5813.00	0.5	PASS
	Ant2	5795	35.12	5777.48	5812.60	0.5	PASS
	Ant3	5795	34.08	5777.24	5811.32	0.5	PASS
11BE80 MIMO	Ant1	5775	72.64	5737.40	5810.04	0.5	PASS
	Ant2	5775	72.64	5737.40	5810.04	0.5	PASS
	Ant3	5775	75.20	5737.40	5812.60	0.5	PASS

5.5. Test graphs B4

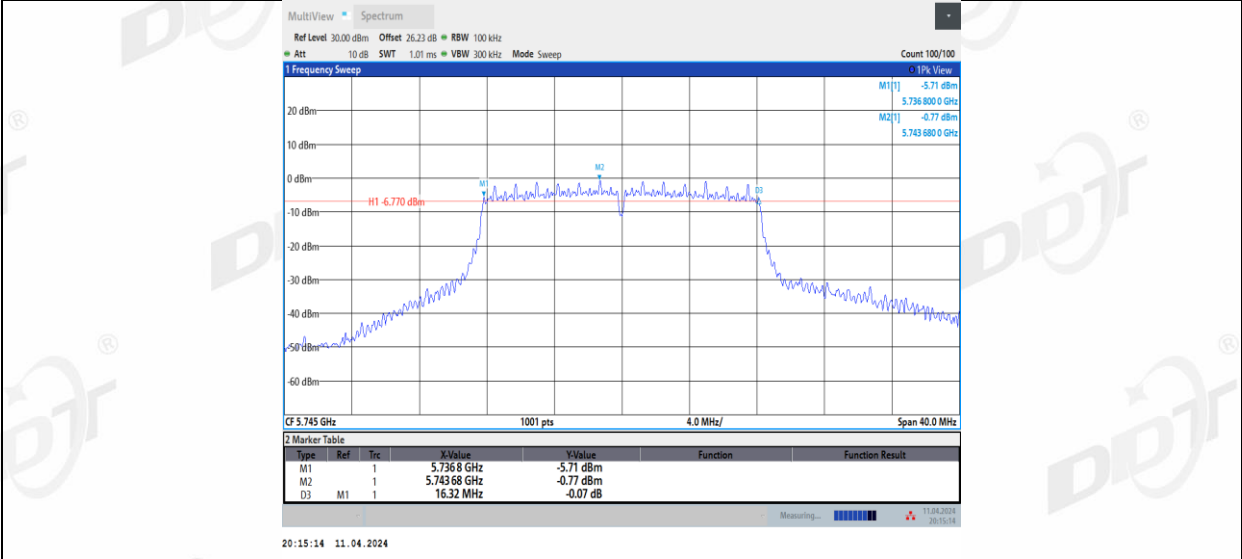




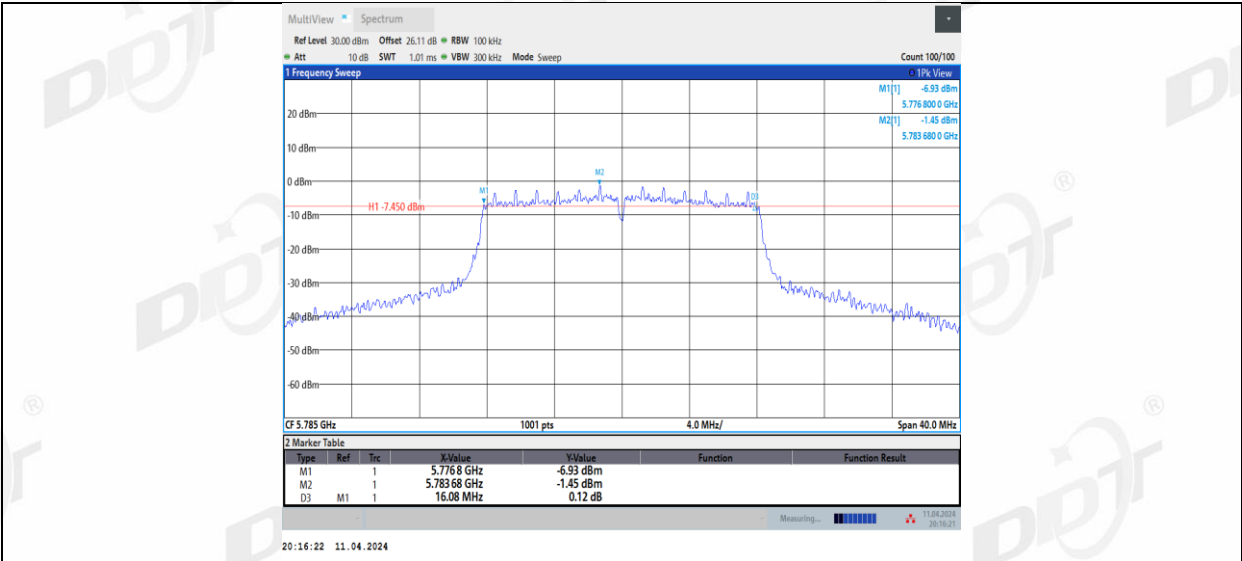
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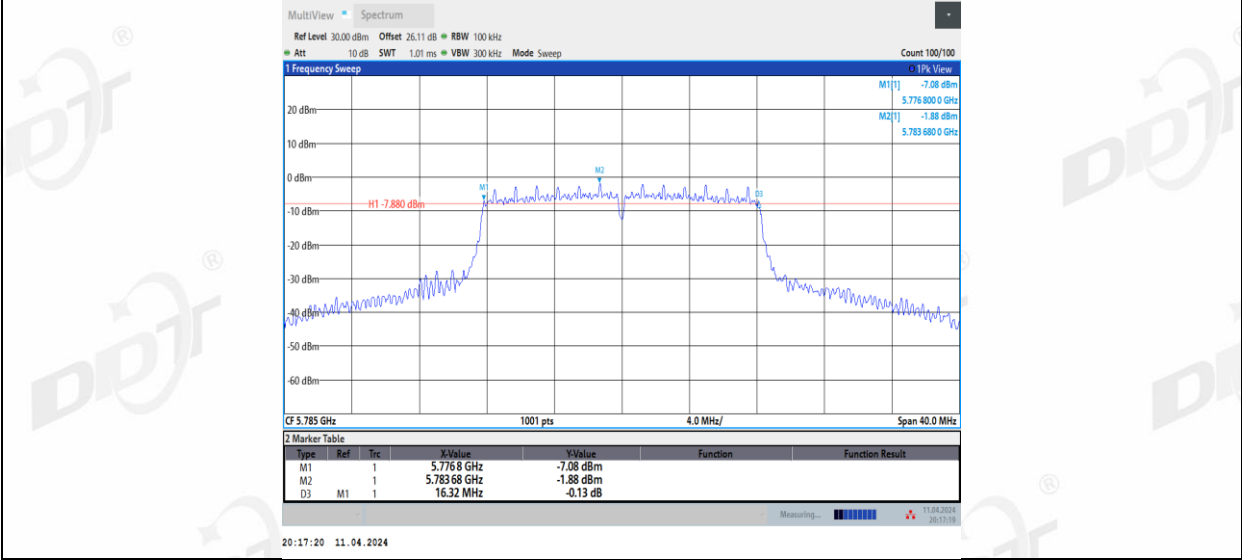
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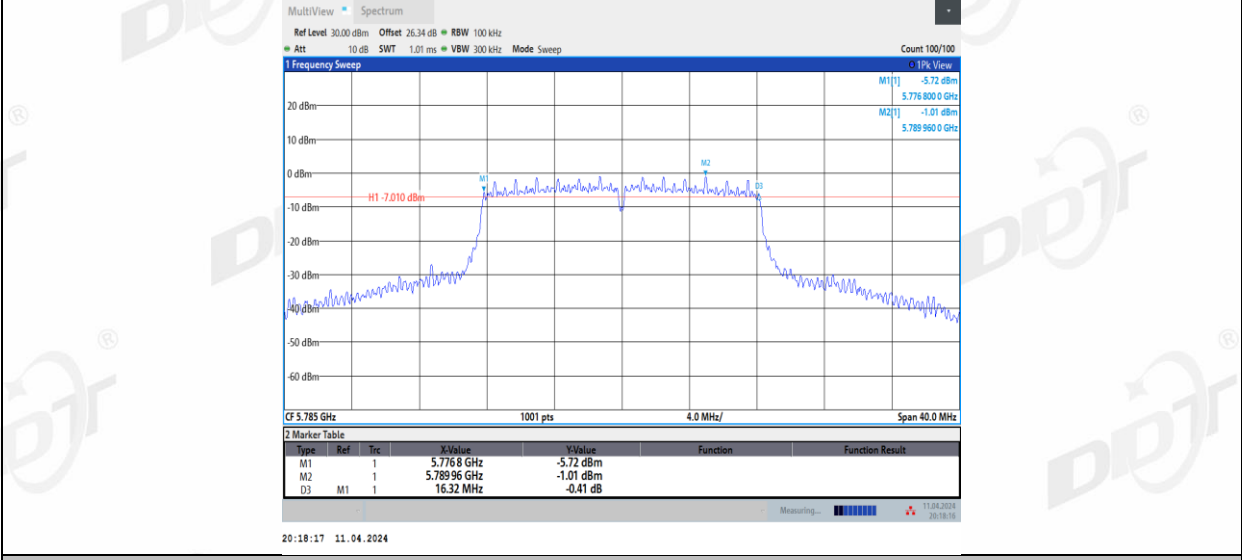
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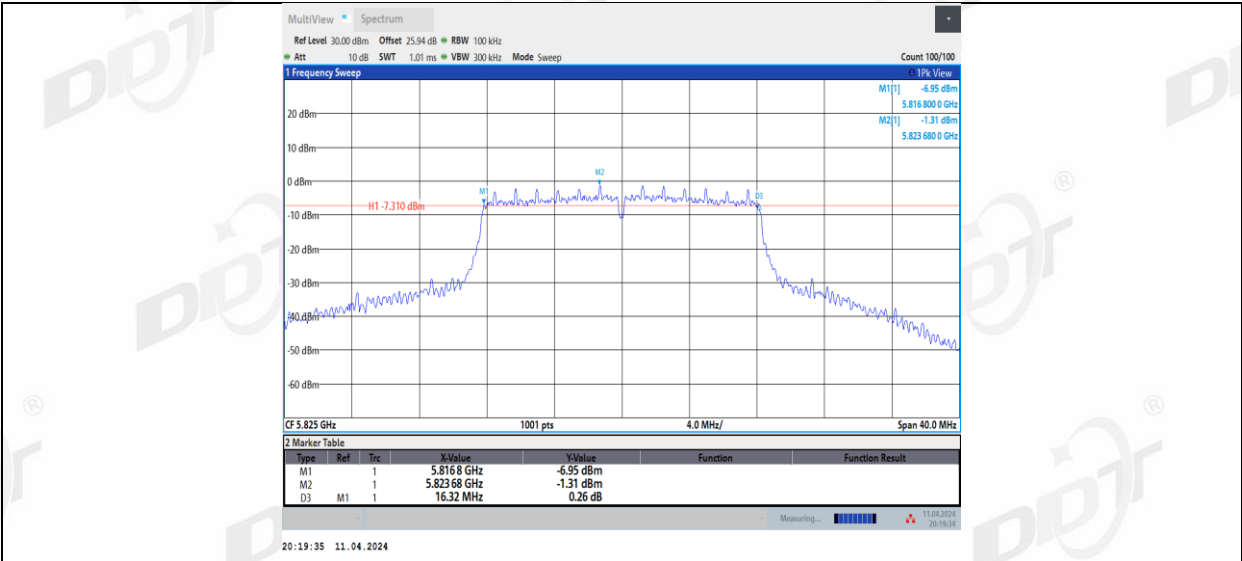
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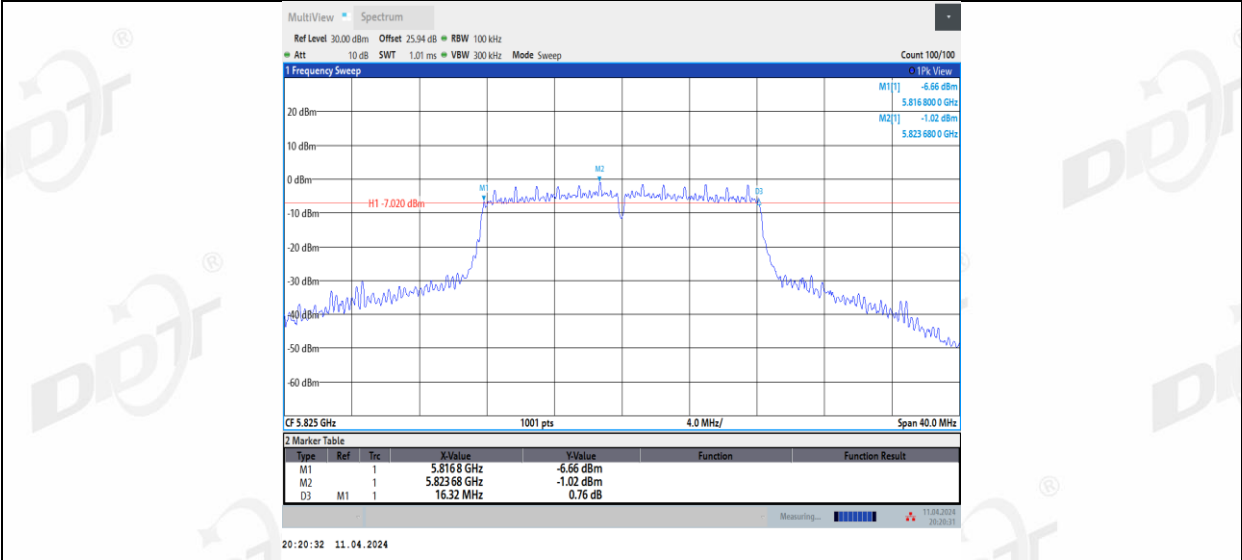
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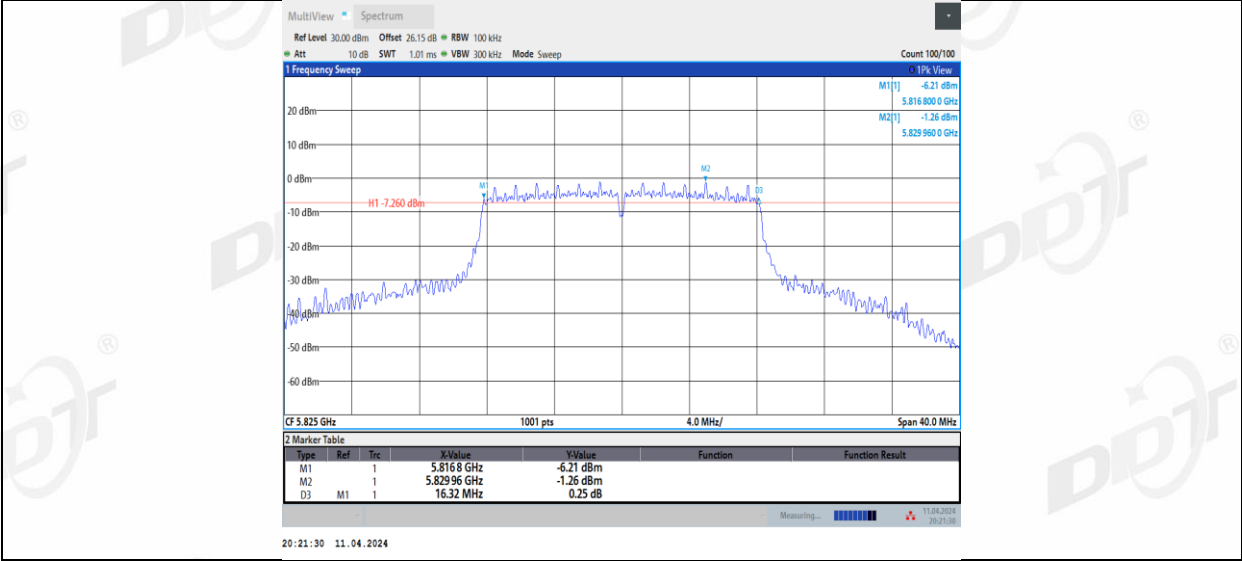
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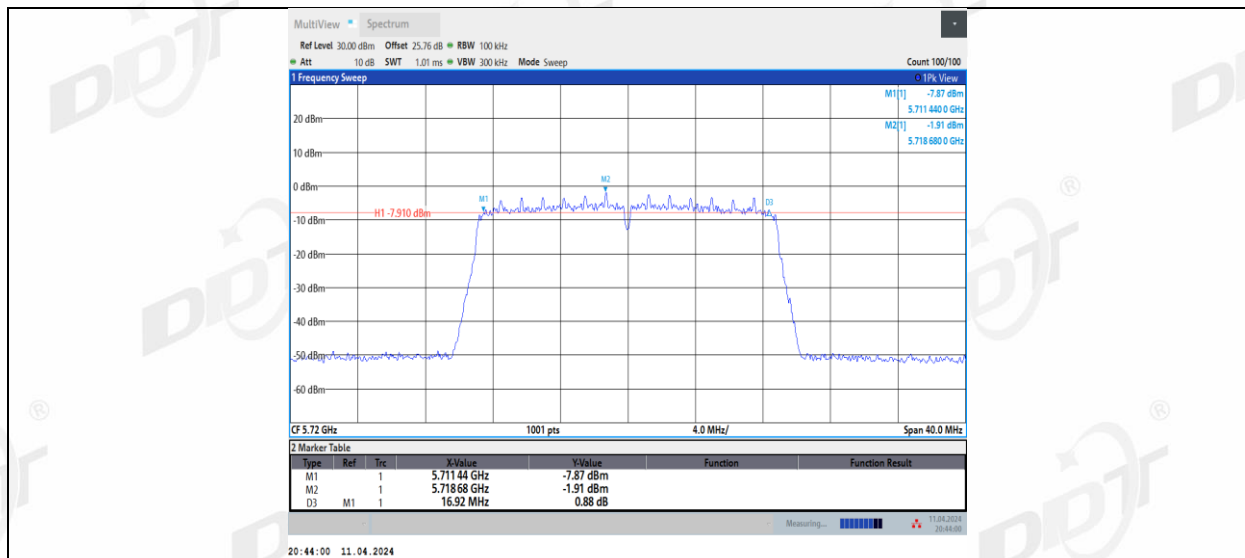
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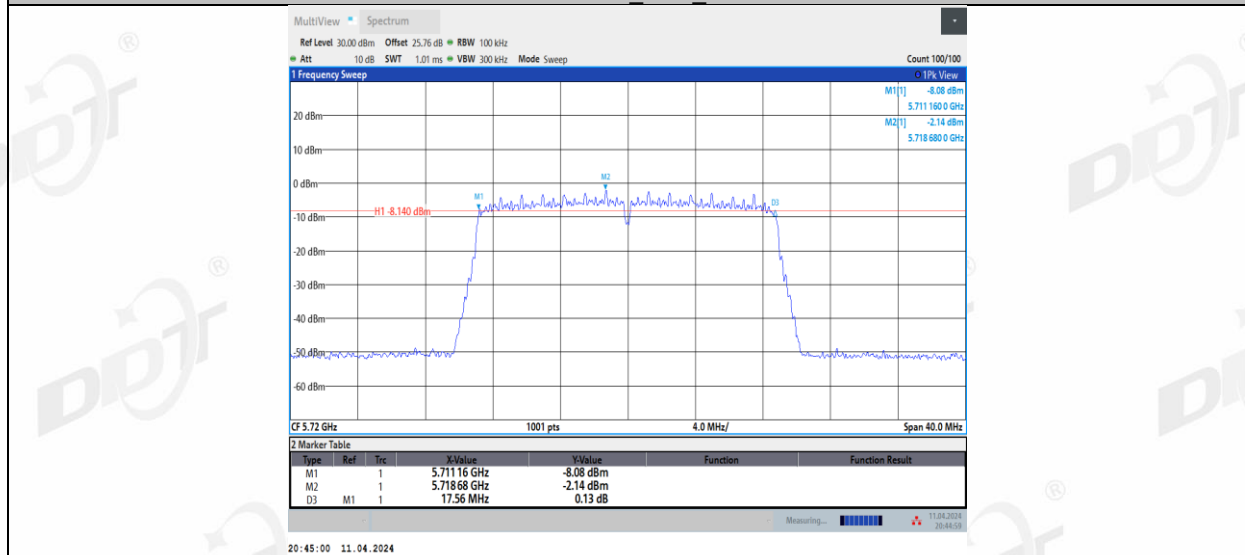
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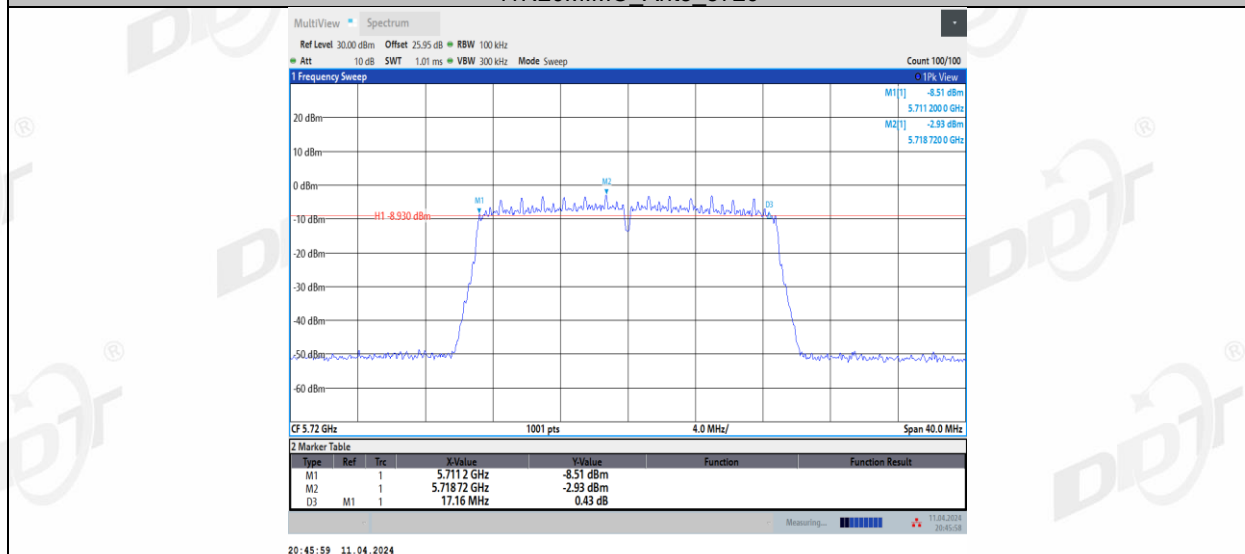
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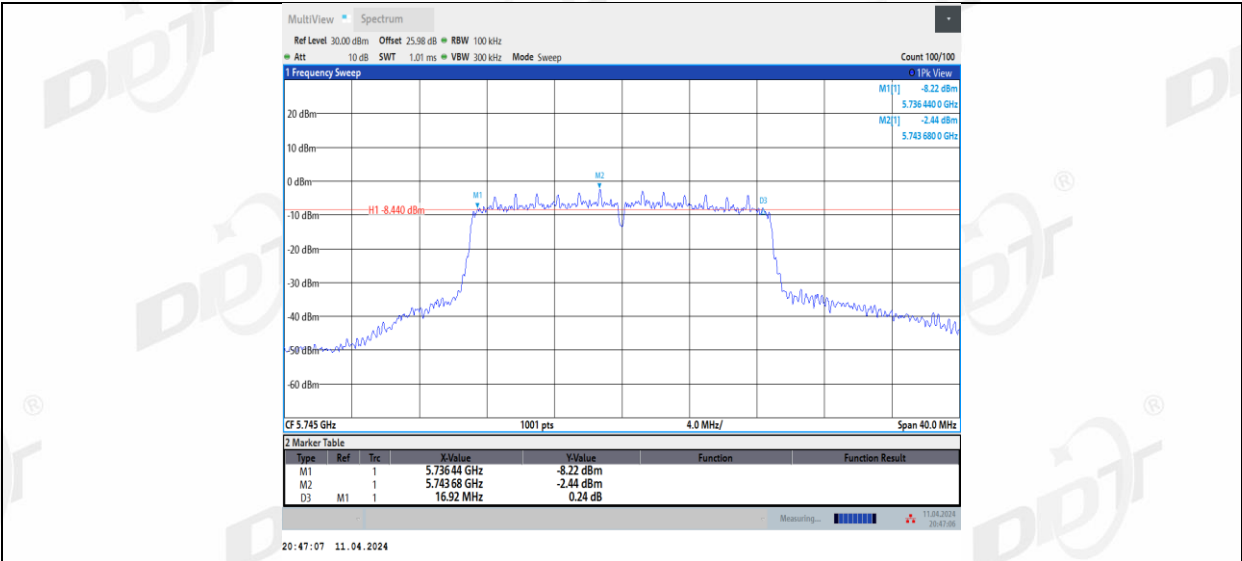
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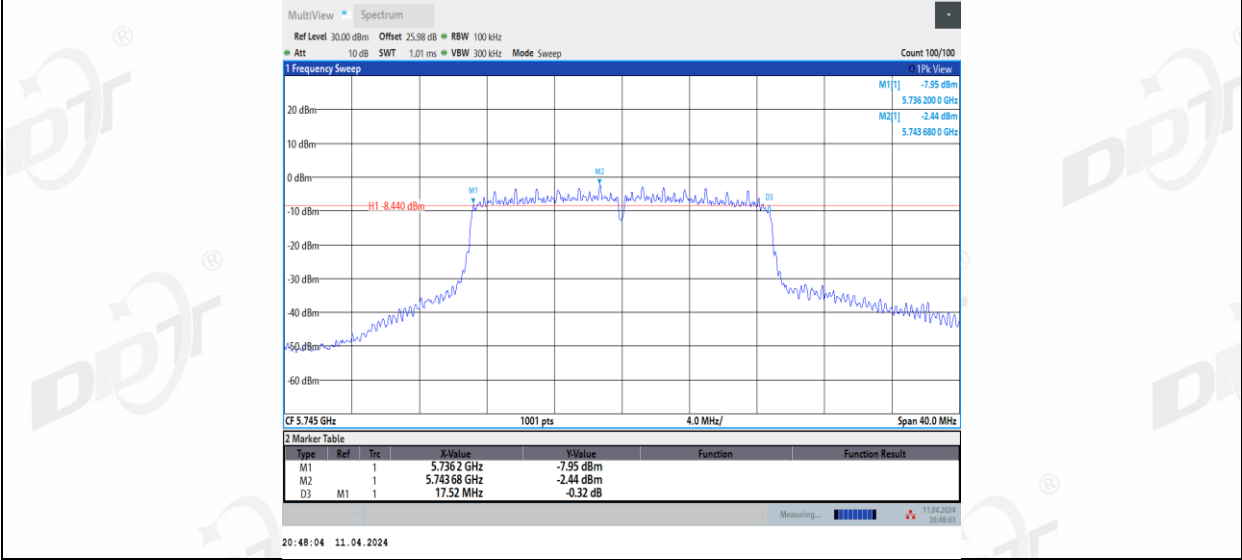
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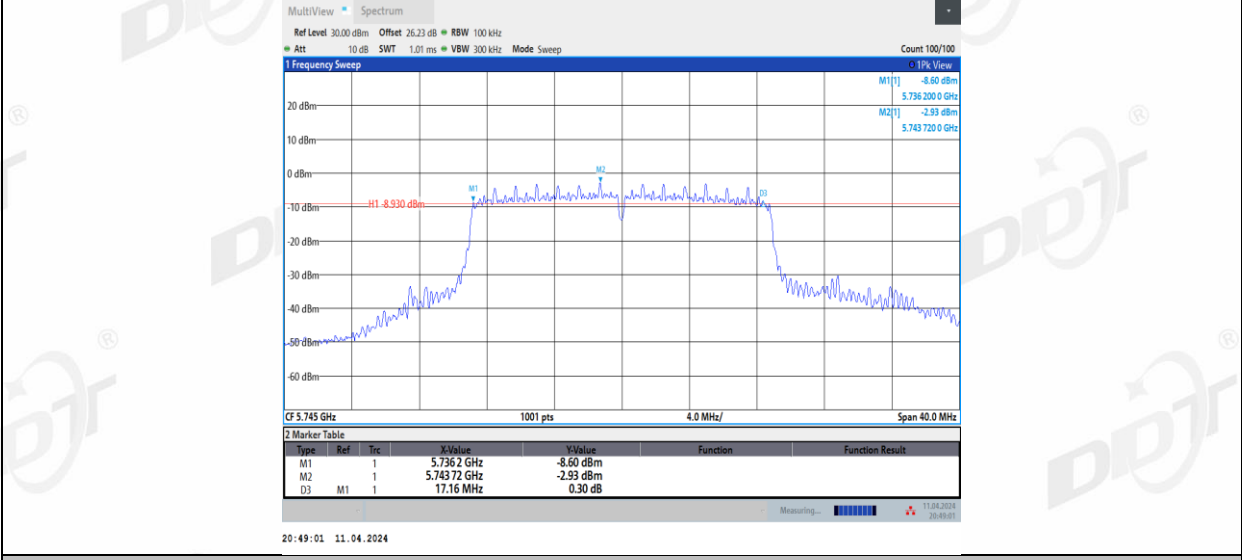
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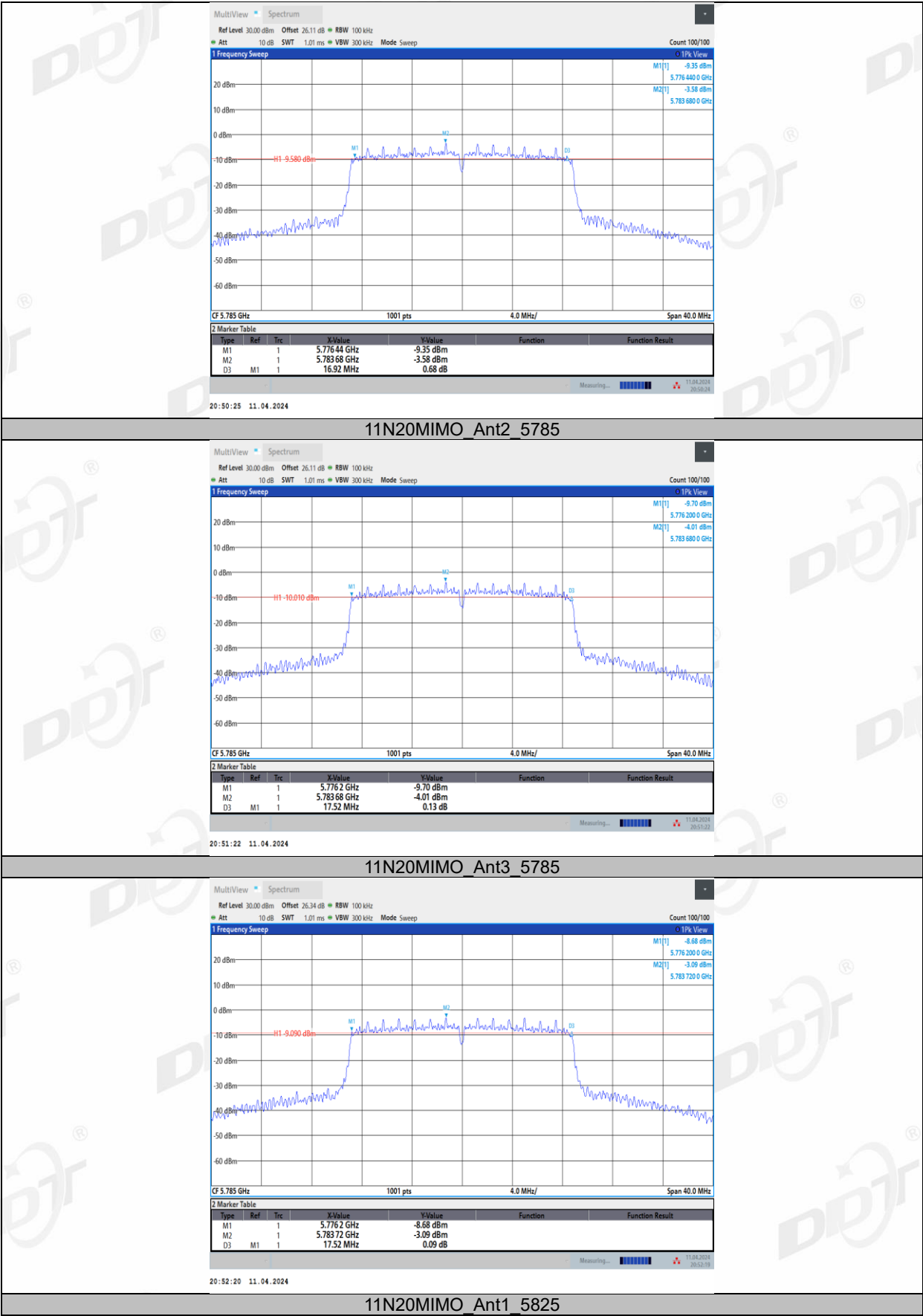
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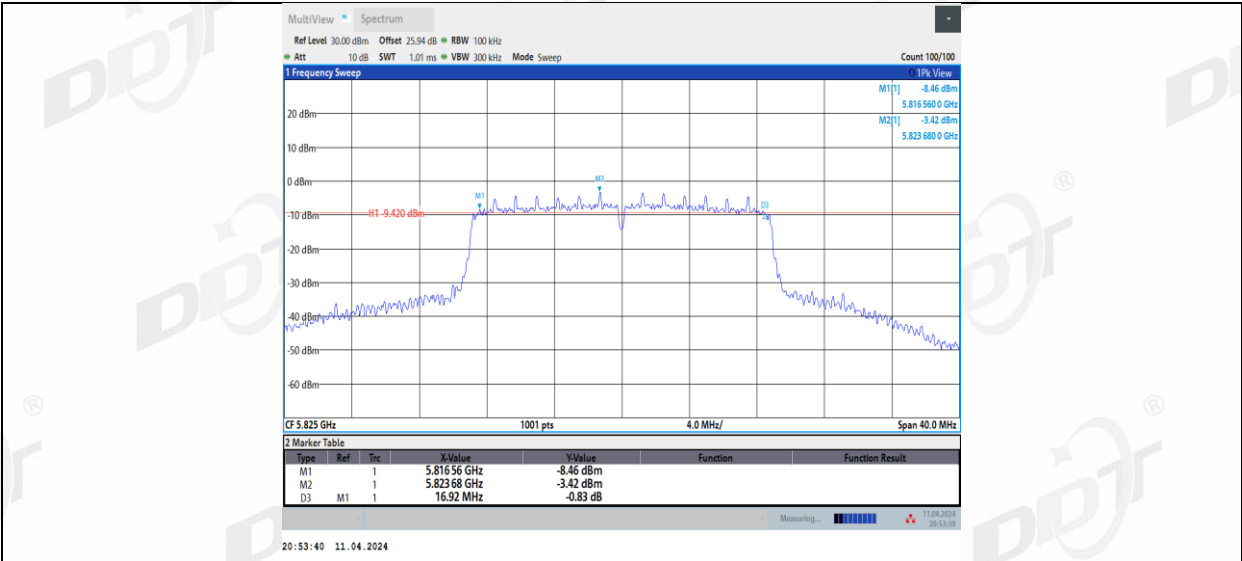


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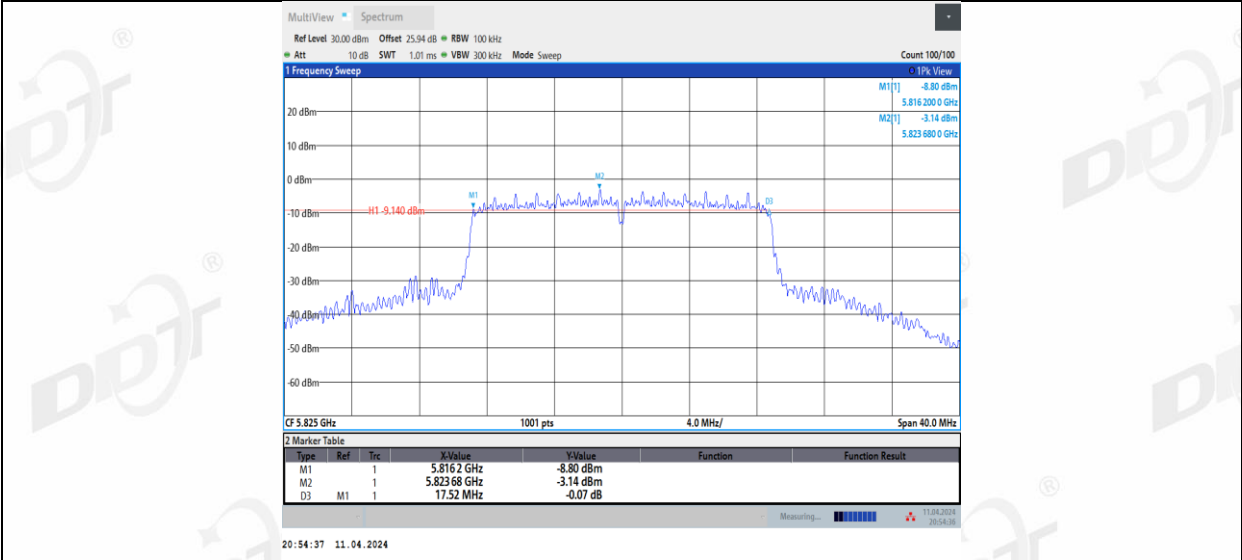


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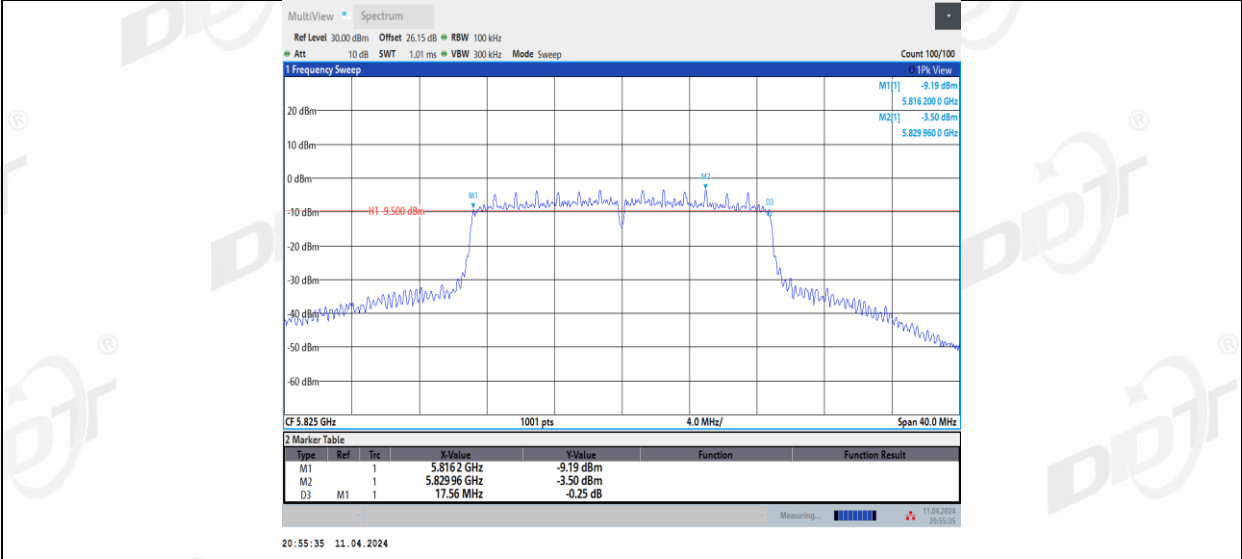




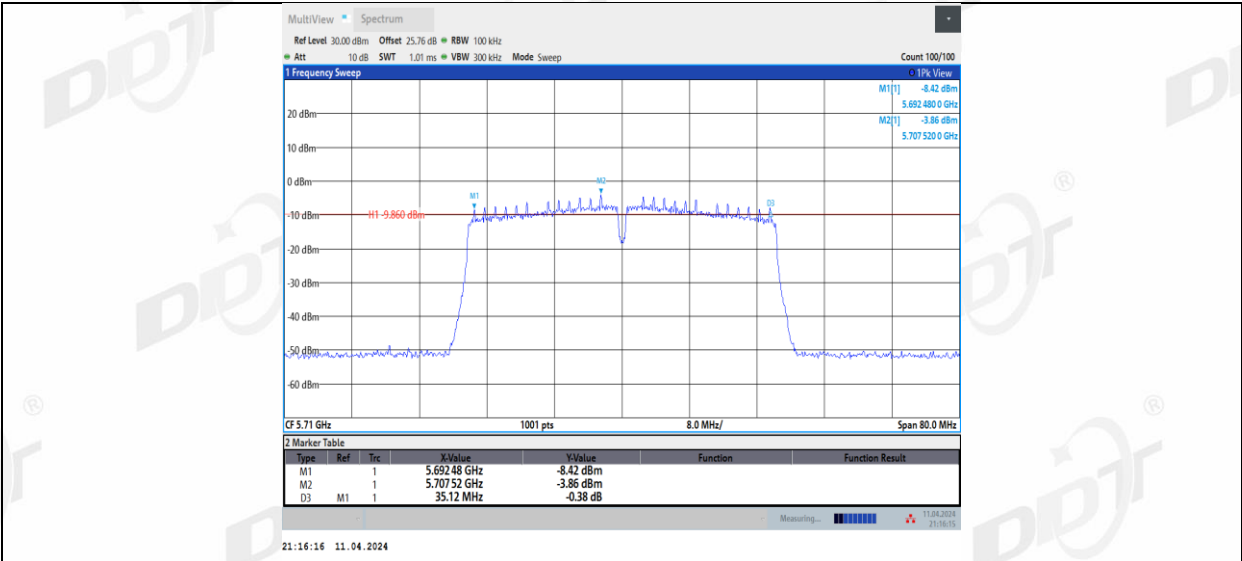
11N20MIMO_Ant2_5825



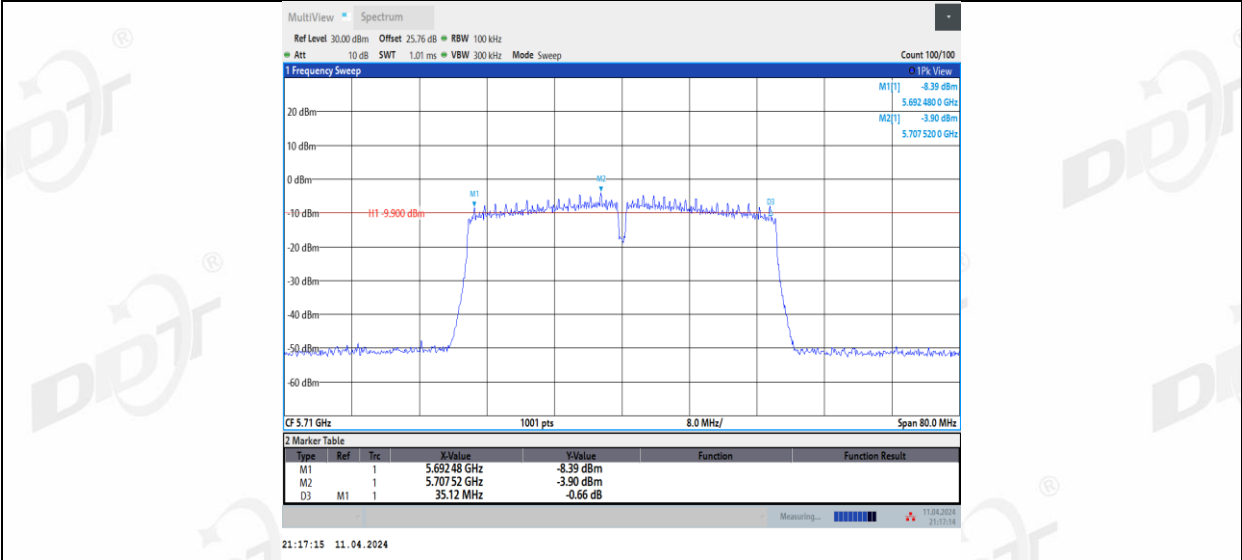
11N20MIMO_Ant3_5825



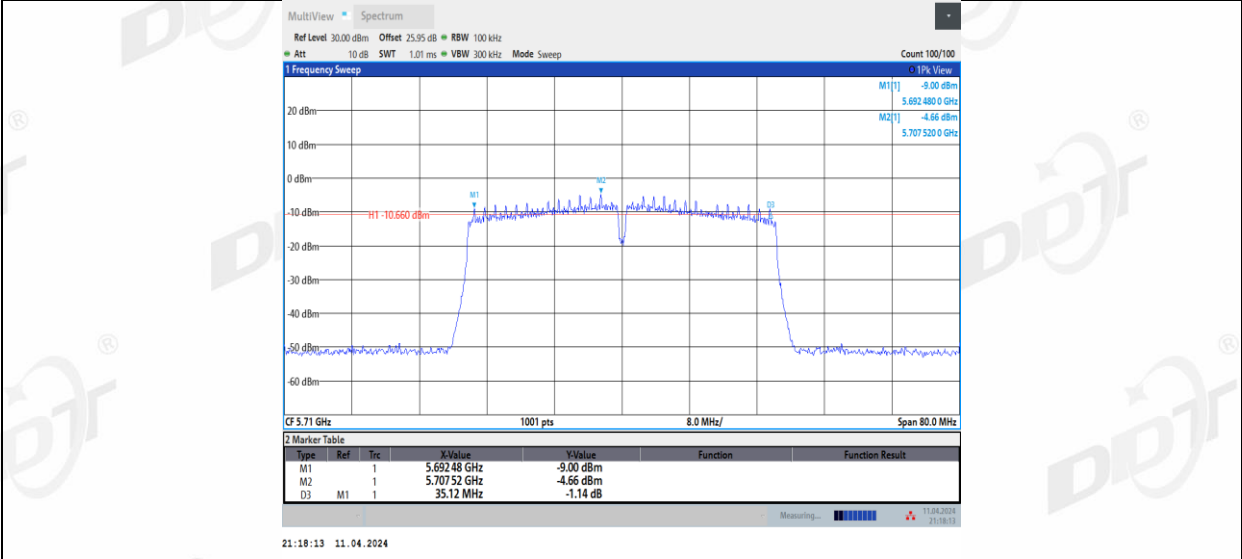
11N40MIMO_Ant1_5710



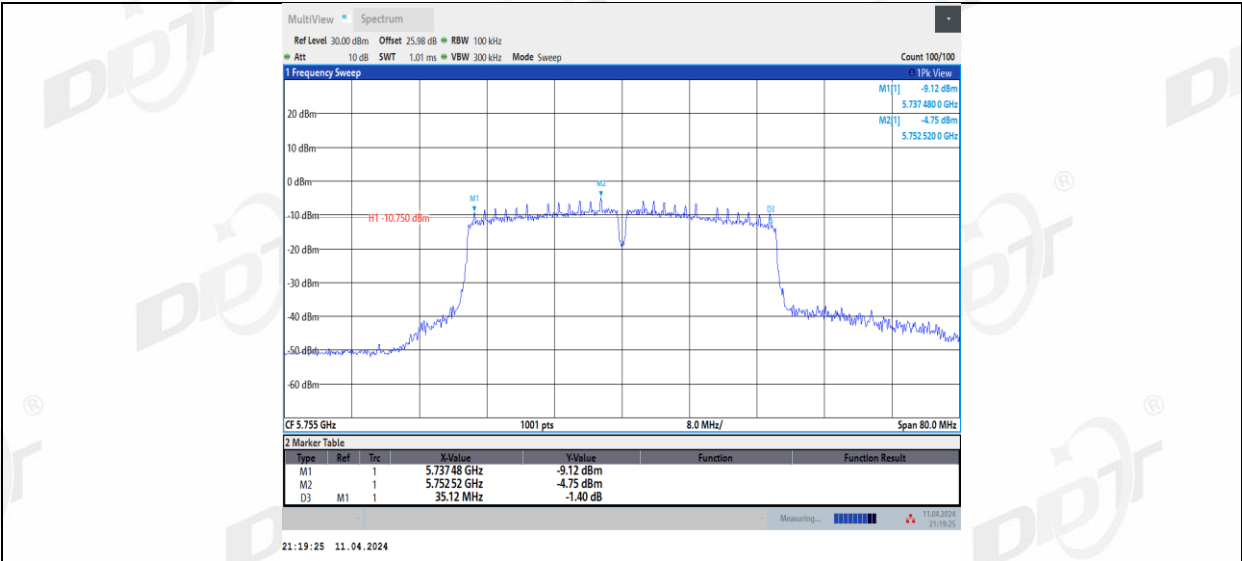
11N40MIMO_Ant2_5710



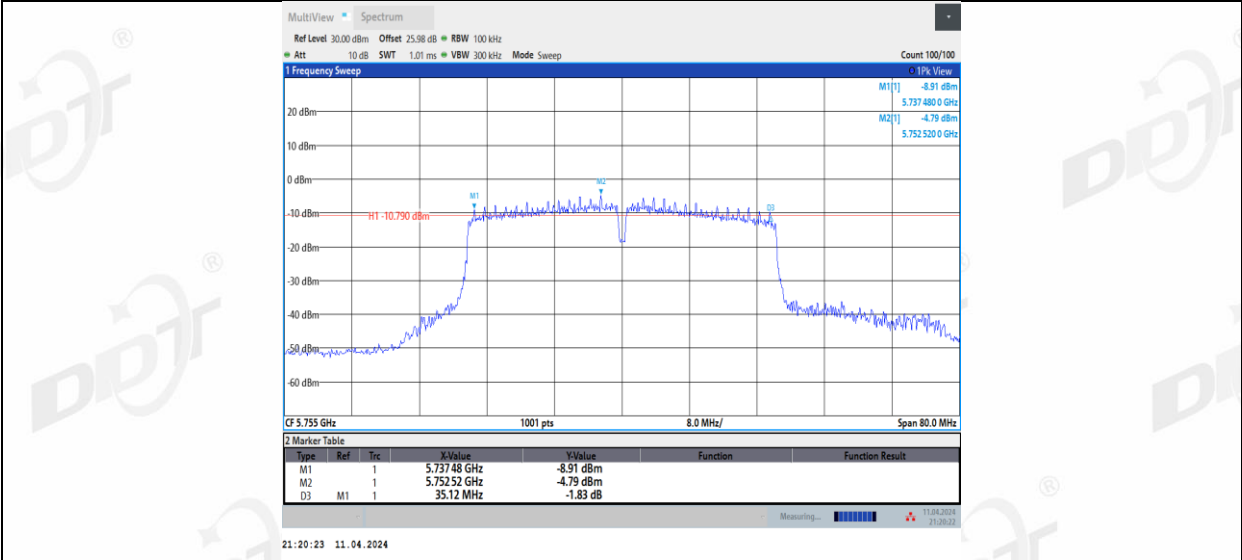
11N40MIMO_Ant3_5710



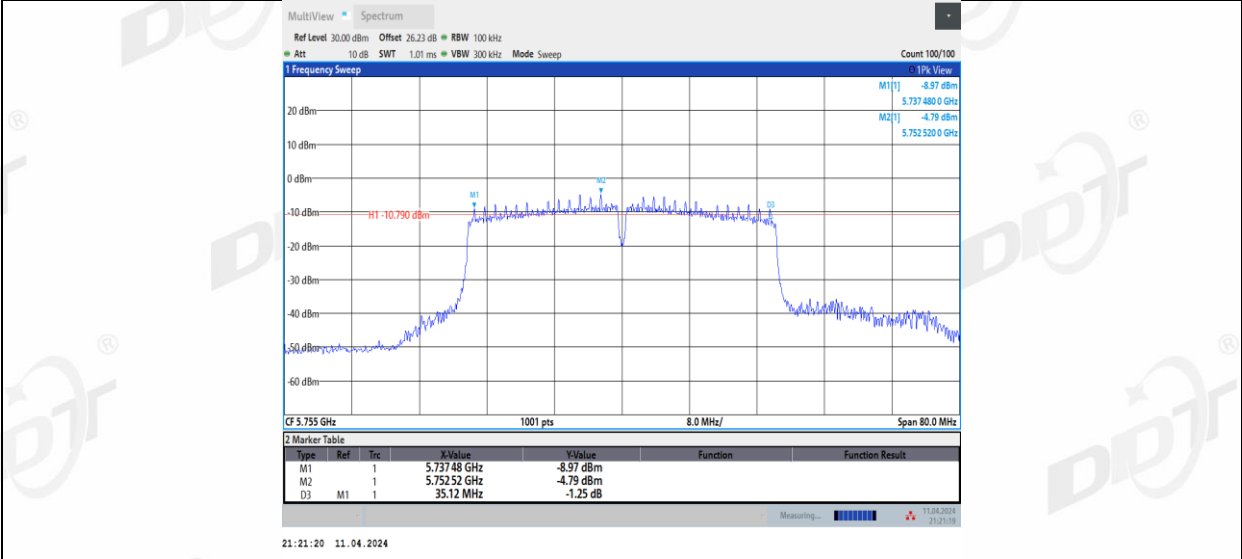
11N40MIMO_Ant1_5755



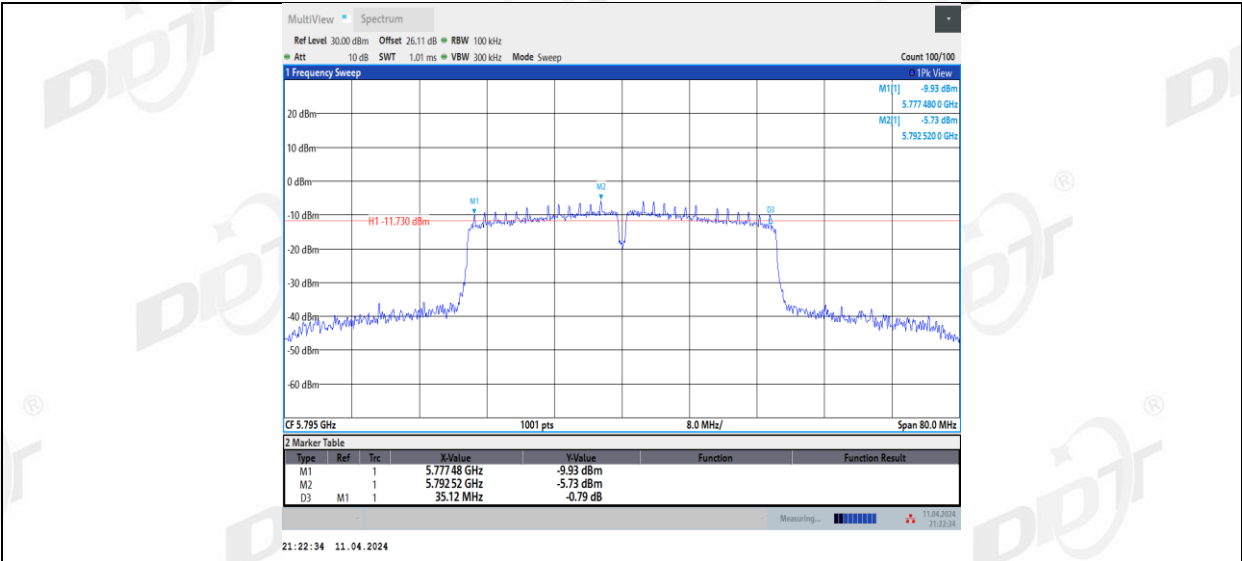
11N40MIMO_Ant2_5755



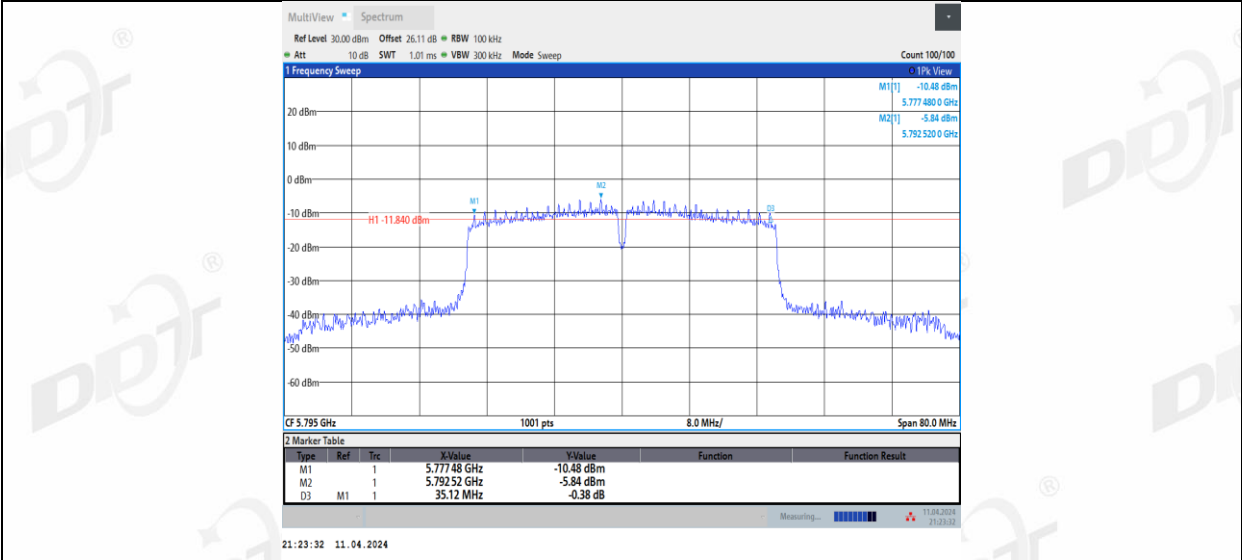
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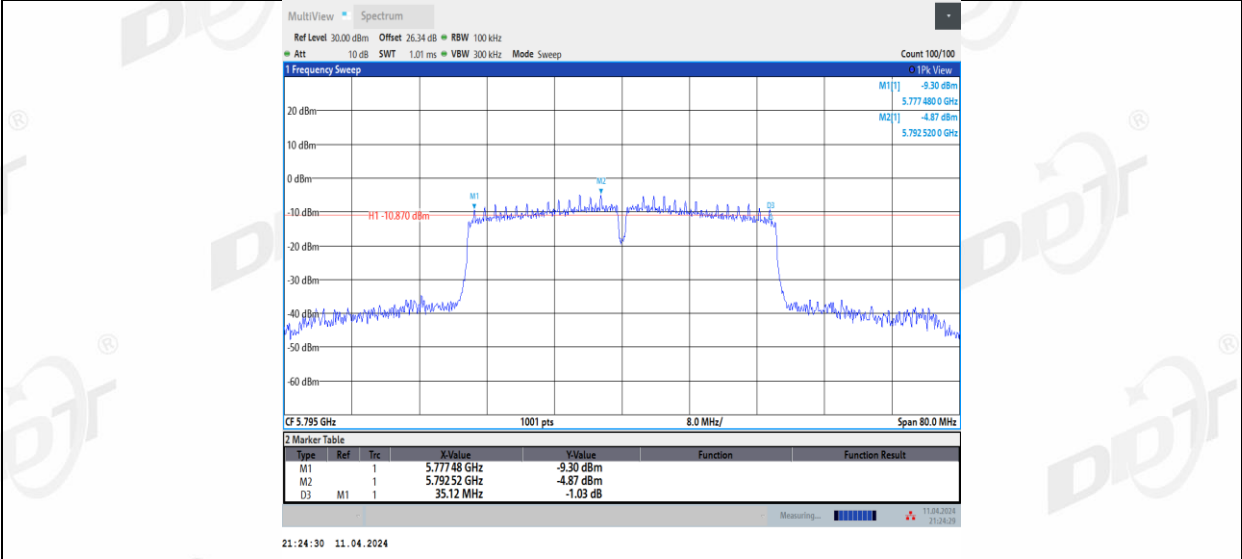
11N40MIMO_Ant1_5795



11N40MIMO_Ant2_5795



11N40MIMO_Ant3_5795



11AC20MIMO_Ant1_5720