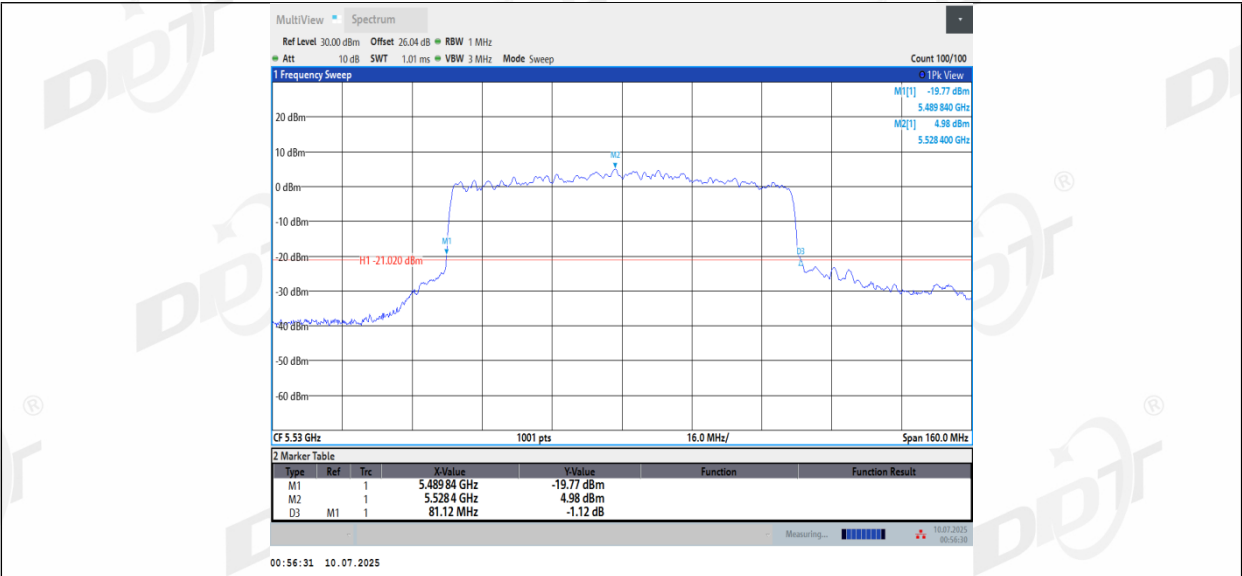
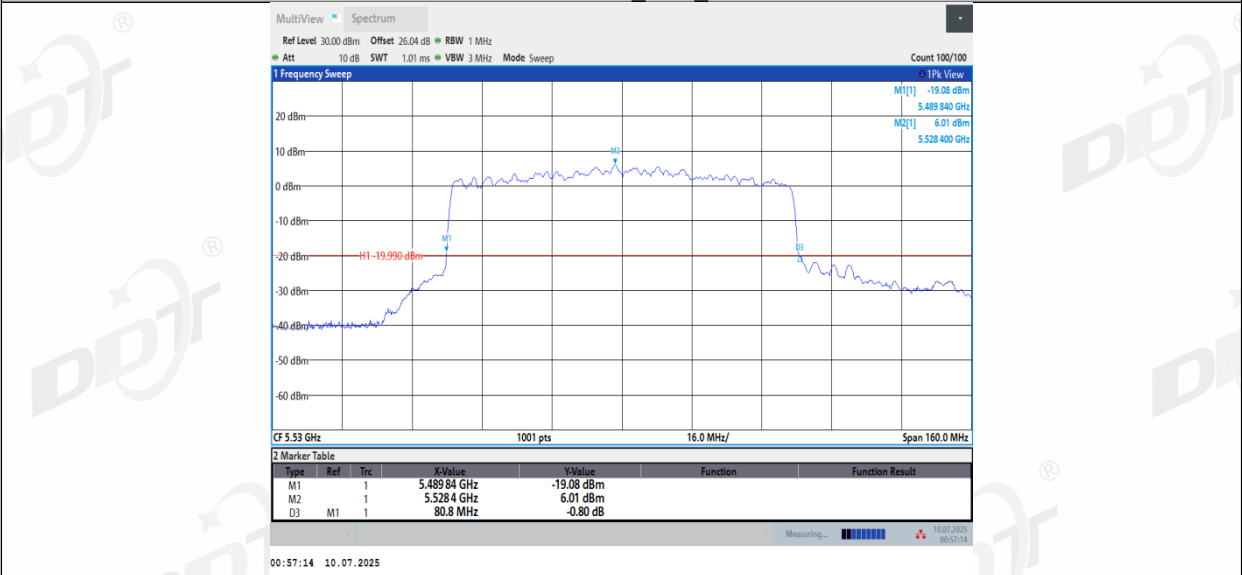
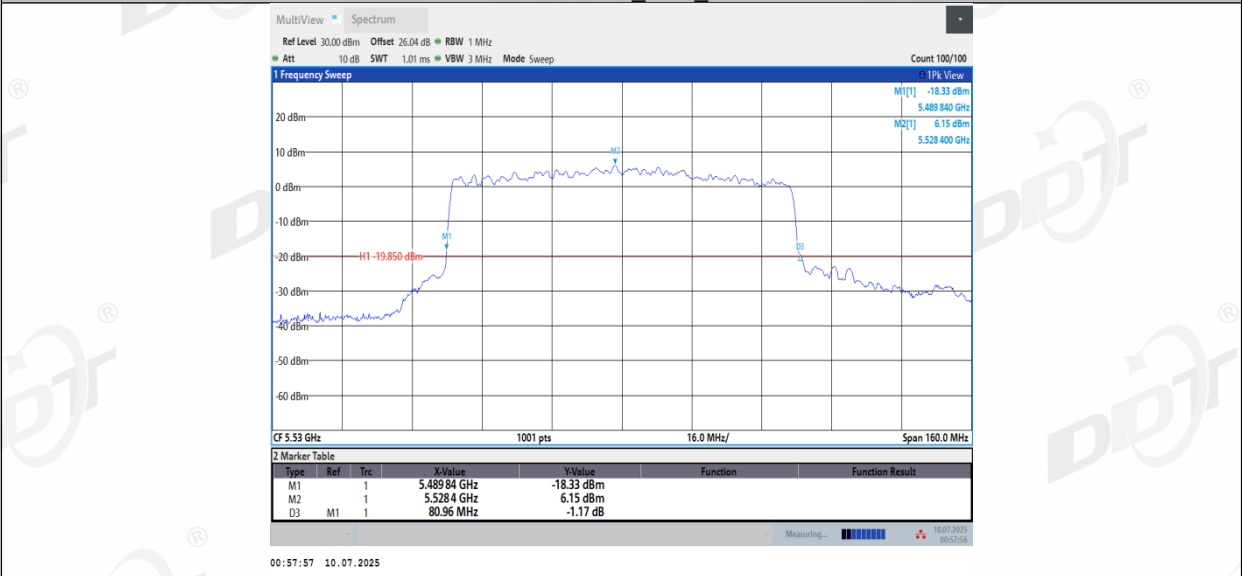




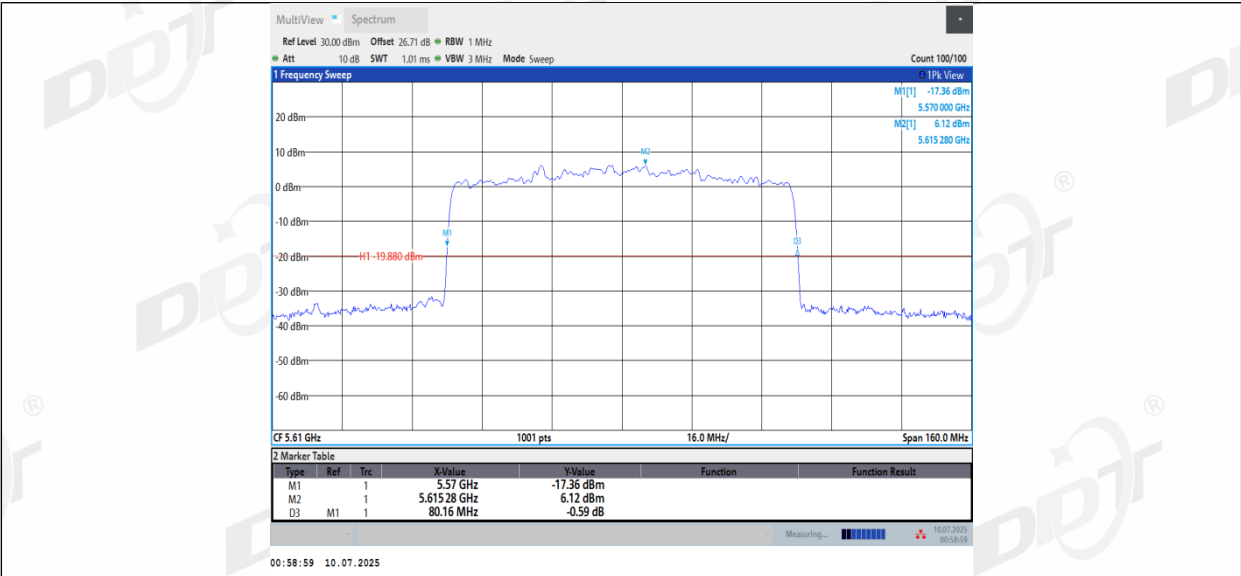
11BE80MIMO_Ant2_5530



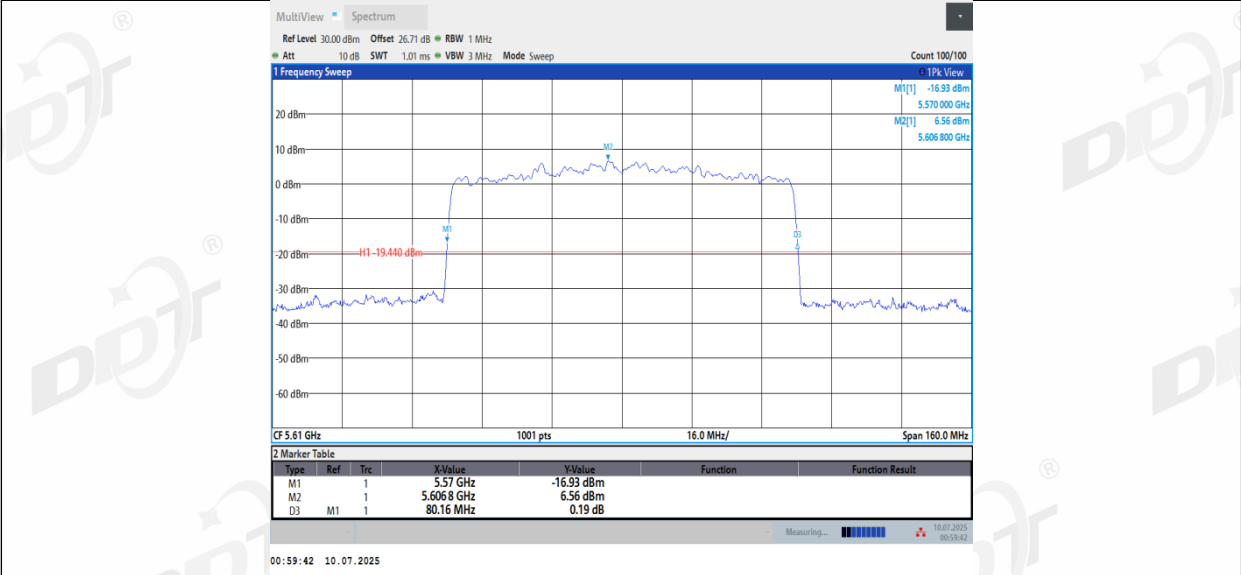
11BE80MIMO_Ant3_5530



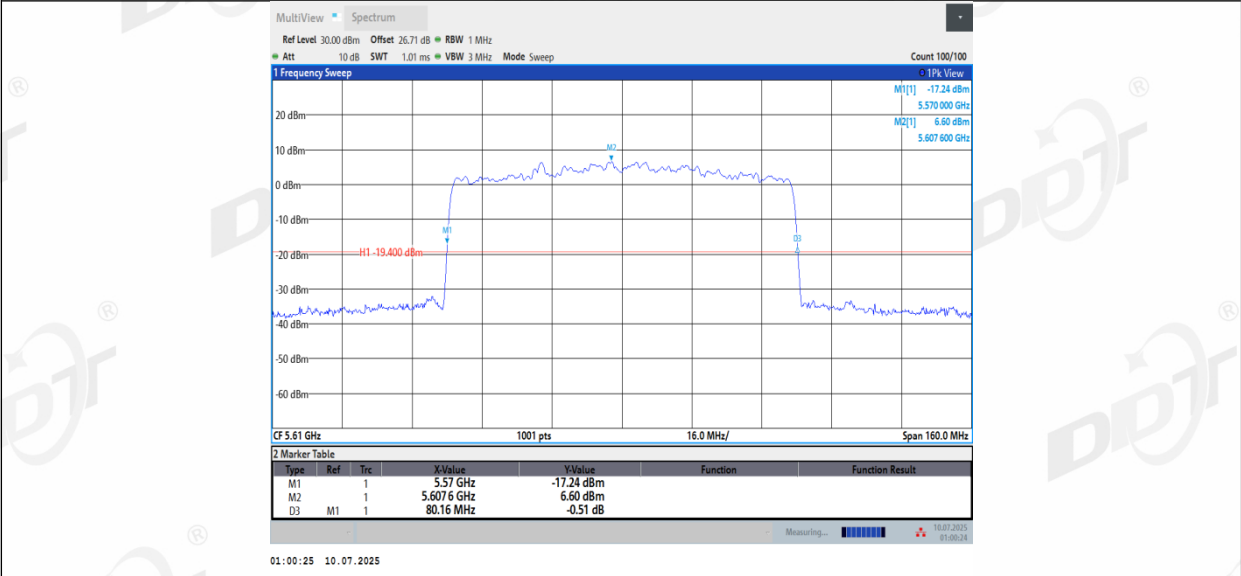
11BE80MIMO_Ant1_5610



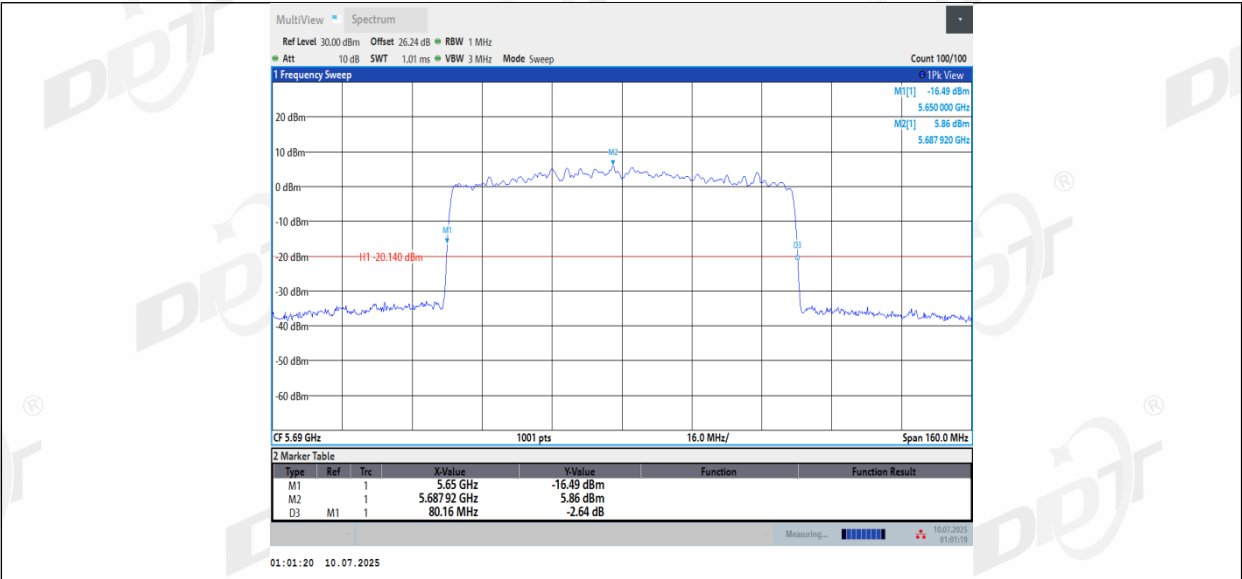
11BE80MIMO_Ant2_5610



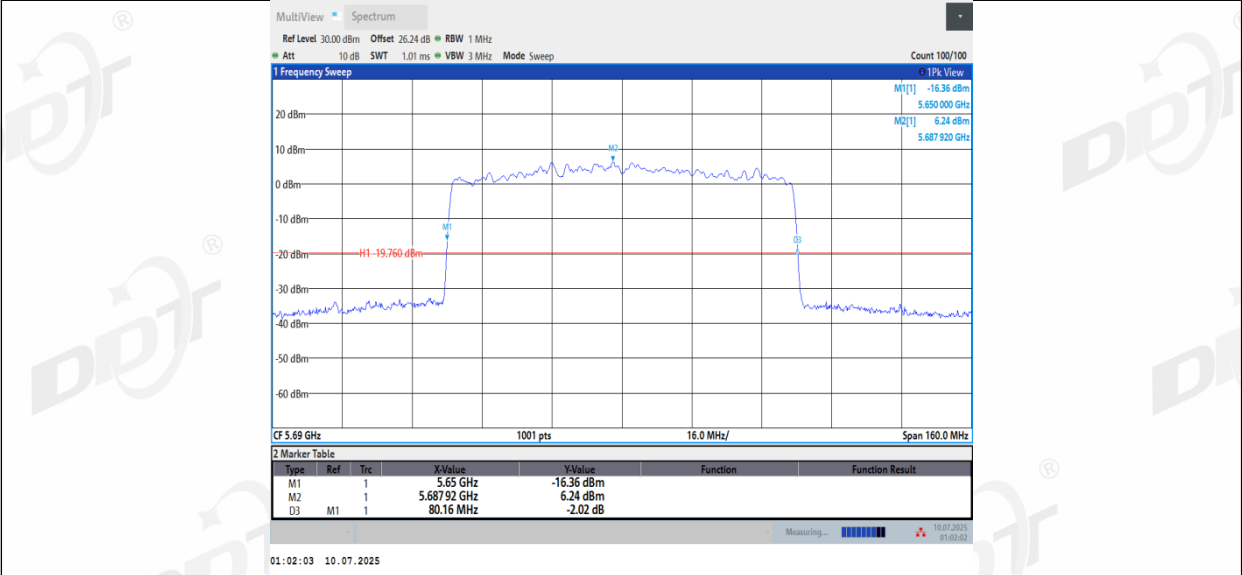
11BE80MIMO_Ant3_5610



11BE80MIMO_Ant1_5690



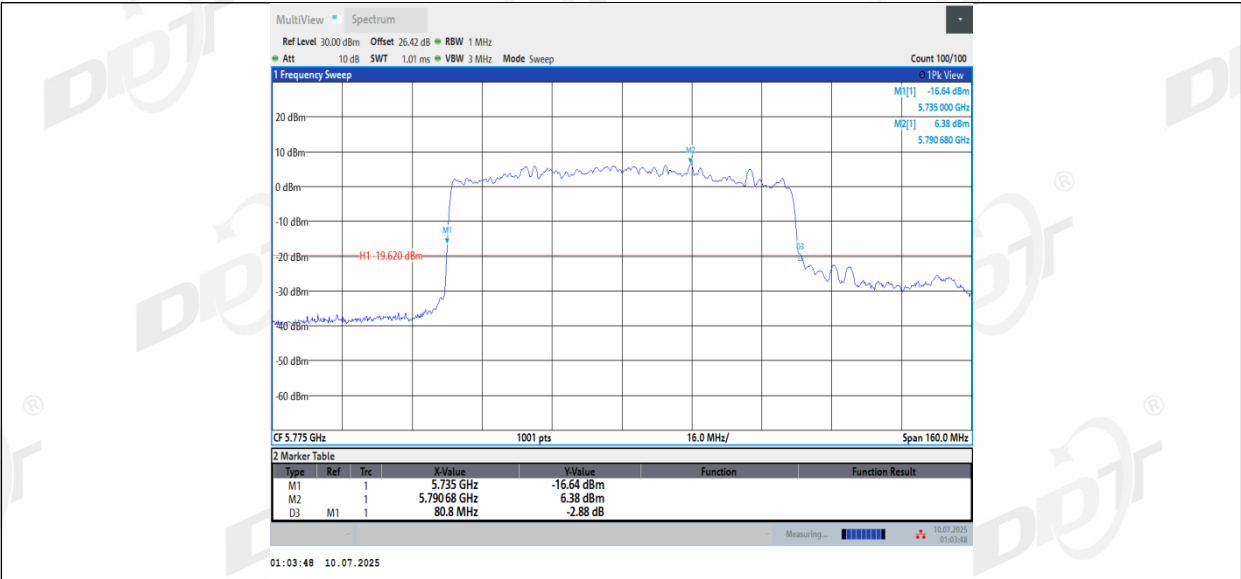
11BE80MIMO_Ant2_5690



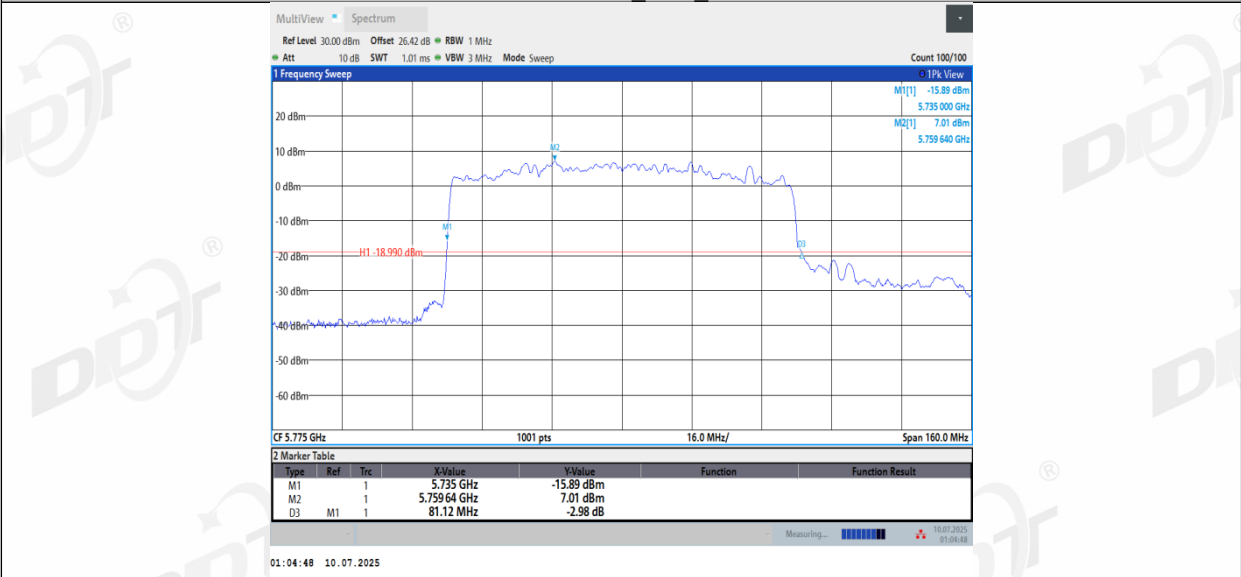
11BE80MIMO_Ant3_5690



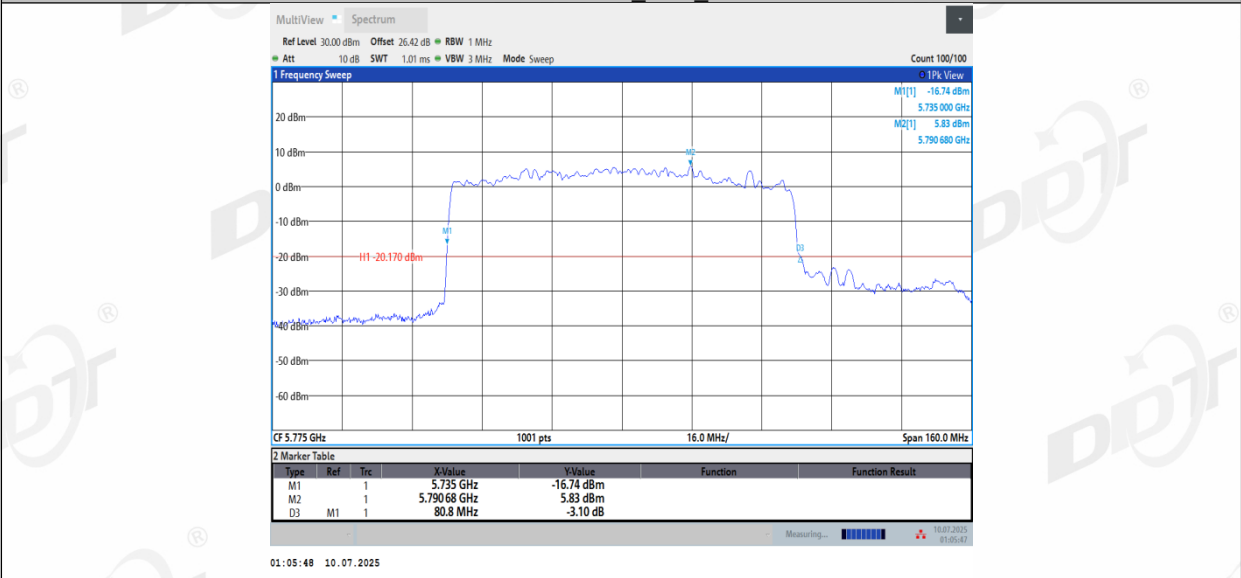
11BE80MIMO_Ant1_5775



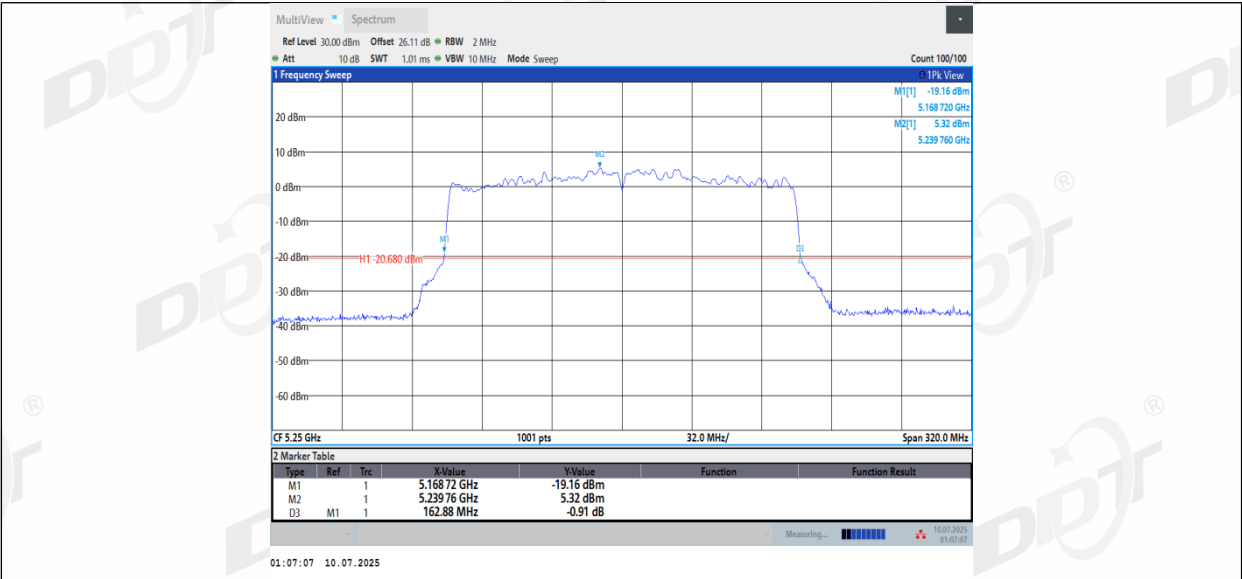
11BE80MIMO_Ant2_5775



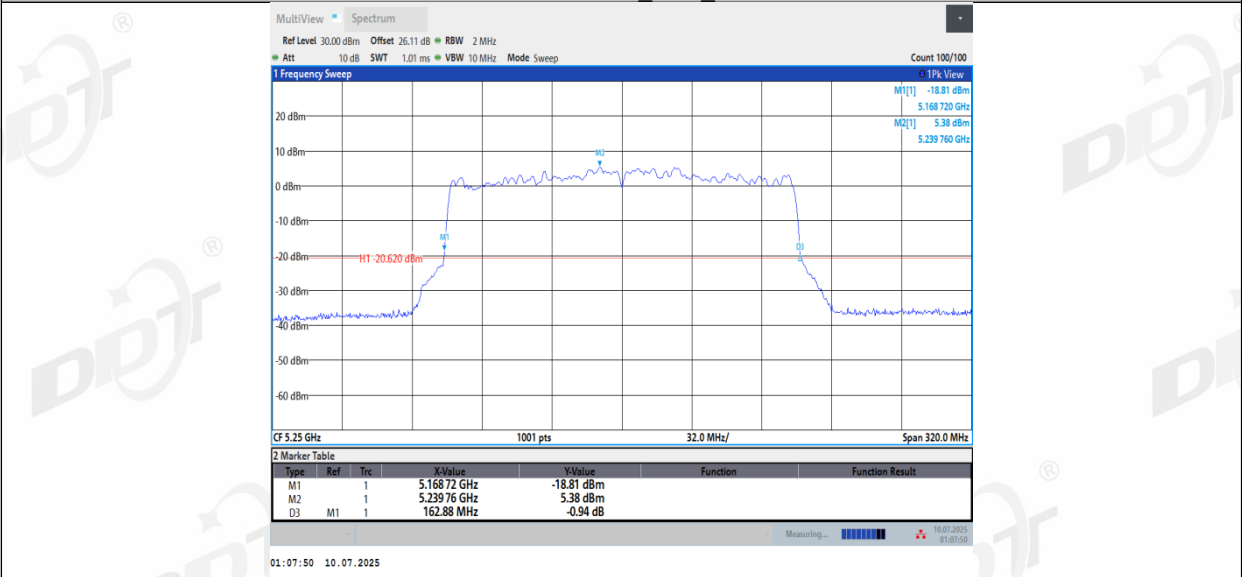
11BE80MIMO_Ant3_5775



11BE160MIMO_Ant1_5250



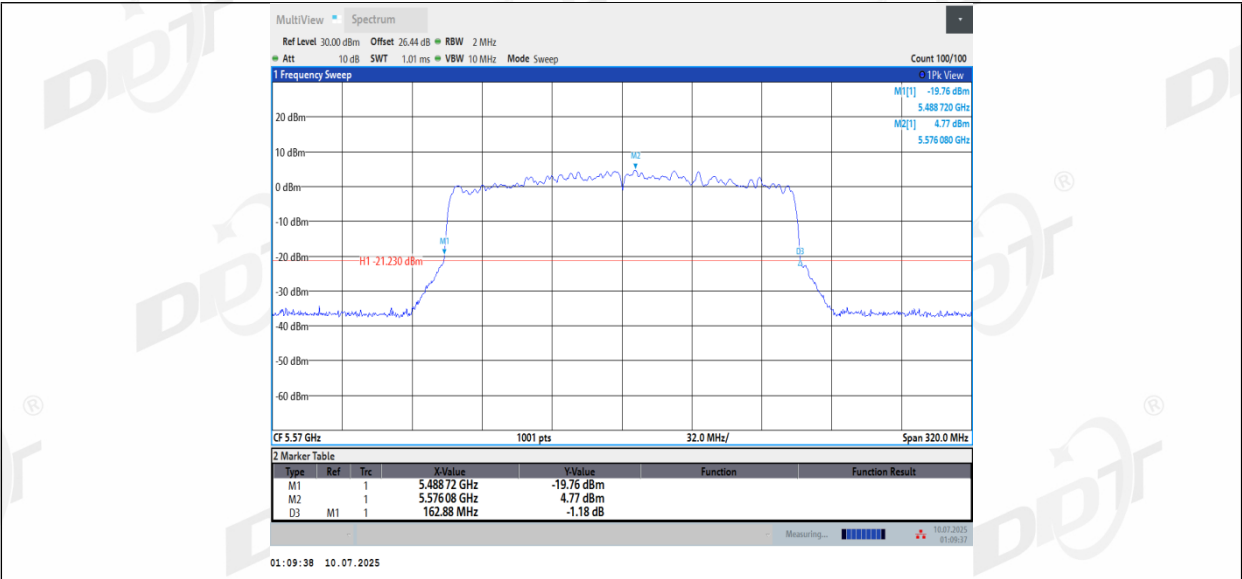
11BE160MIMO_Ant2_5250



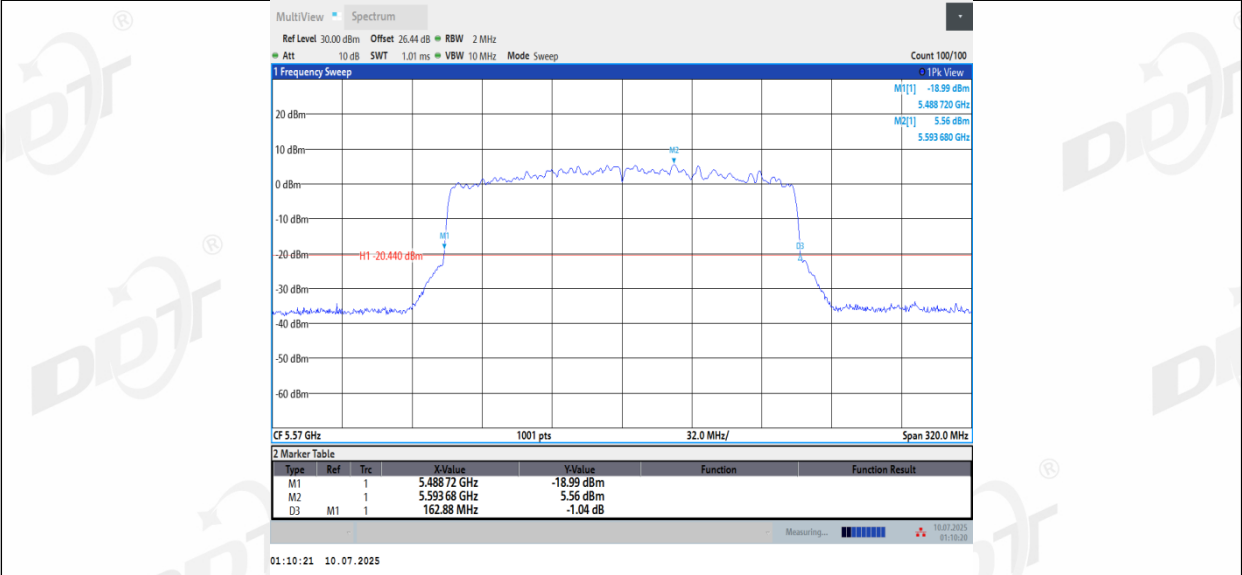
11BE160MIMO_Ant3_5250



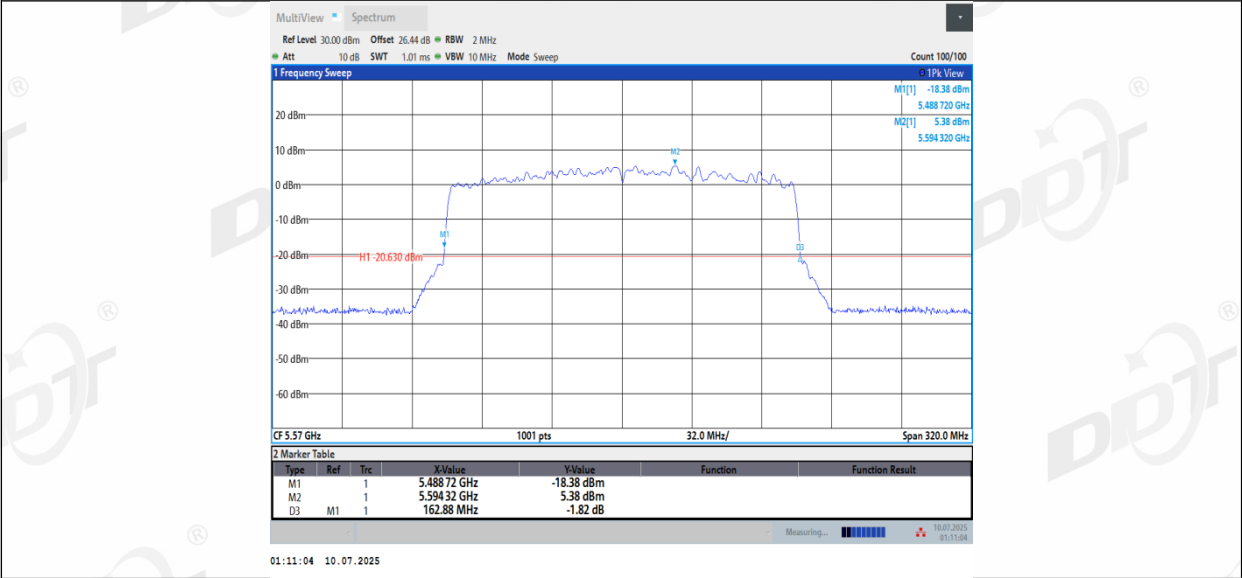
11BE160MIMO_Ant1_5570



11BE160MIMO_Ant2_5570

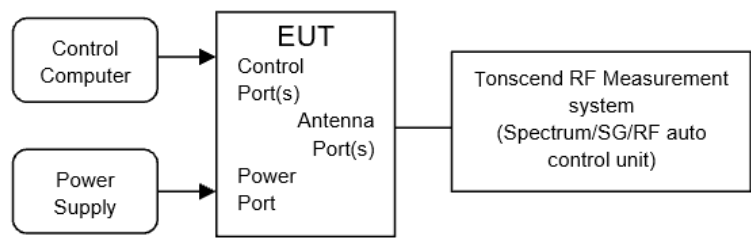


11BE160MIMO_Ant3_5570



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

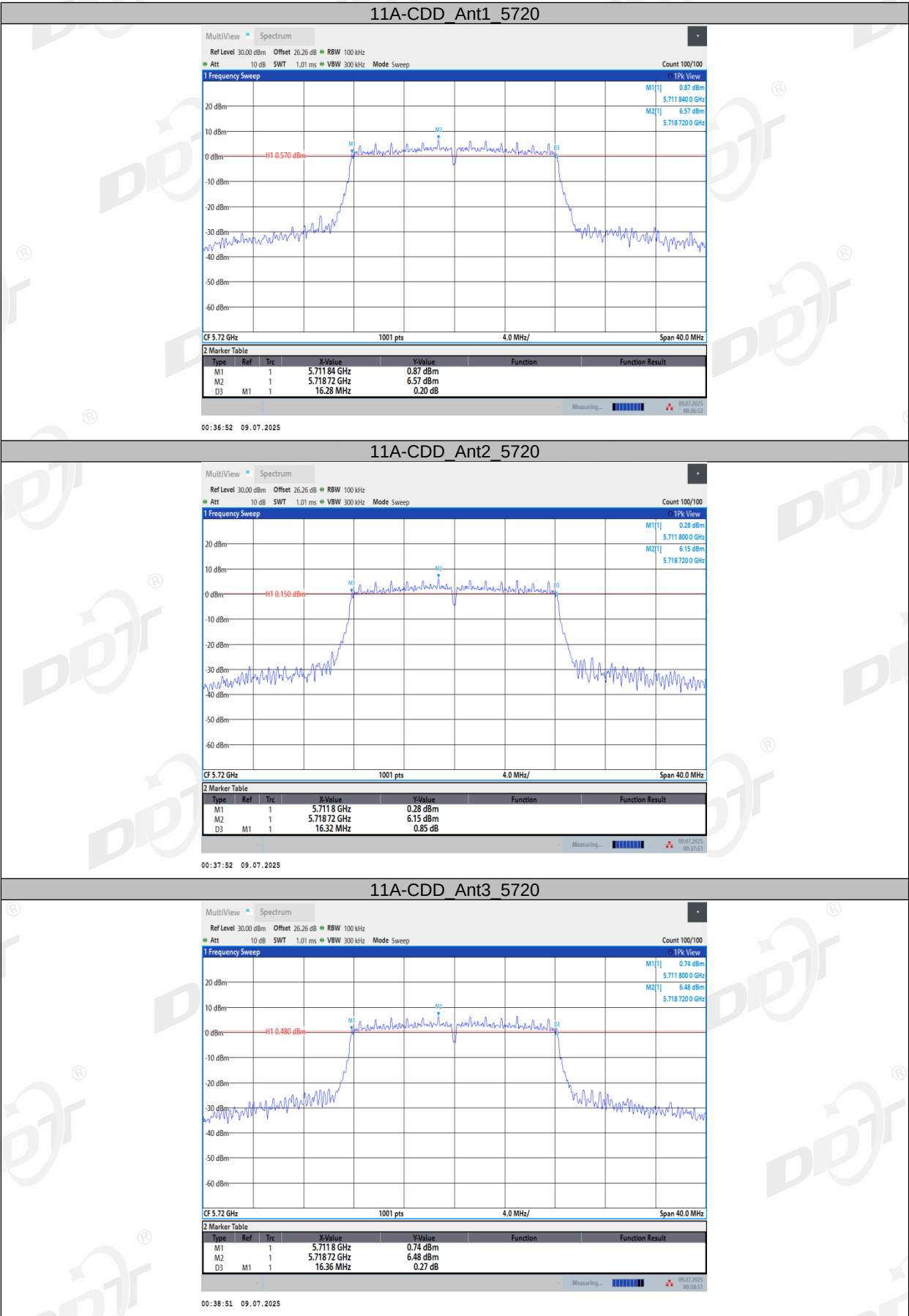
Test Engineer:	Haofeng	Test Site:	RF Measurement System 4#
Ambient Condition:	24.6°C,43.1%RH	Test Date:	2025.07.09 - 2025.08.14
Test Power Supply:	AC120V/60Hz	Sample Number:	S25062705-003

Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5720	16.28	5711.84	5728.12	---	---
	Ant2	5720	16.32	5711.80	5728.12	---	---
	Ant3	5720	16.36	5711.80	5728.16	---	---
	Ant1	5720 UNII-2C	13.16	5711.84	5725	---	---
	Ant2	5720 UNII-2C	13.2	5711.80	5725	---	---
	Ant3	5720 UNII-2C	13.2	5711.80	5725	---	---
	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	3.16	5725	5728.16	0.5	PASS
	Ant1	5745	16.28	5736.84	5753.12	0.5	PASS
	Ant2	5745	16.32	5736.84	5753.16	0.5	PASS
	Ant3	5745	16.32	5736.80	5753.12	0.5	PASS
	Ant1	5785	16.28	5776.84	5793.12	0.5	PASS
	Ant2	5785	16.32	5776.80	5793.12	0.5	PASS
	Ant3	5785	16.36	5776.80	5793.16	0.5	PASS
	Ant1	5825	16.28	5816.84	5833.12	0.5	PASS
	Ant2	5825	16.28	5816.84	5833.12	0.5	PASS
	Ant3	5825	16.36	5816.80	5833.16	0.5	PASS
11N20MIMO	Ant1	5720	16.96	5711.44	5728.40	---	---
	Ant2	5720	17.56	5711.20	5728.76	---	---
	Ant3	5720	17.56	5711.20	5728.76	---	---
	Ant1	5720 UNII-2C	13.56	5711.44	5725	---	---
	Ant2	5720 UNII-2C	13.8	5711.20	5725	---	---
	Ant3	5720 UNII-2C	13.8	5711.20	5725	---	---
	Ant1	5720 UNII-3	3.4	5725	5728.40	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	16.96	5736.44	5753.40	0.5	PASS
	Ant2	5745	17.56	5736.20	5753.76	0.5	PASS
	Ant3	5745	17.28	5736.20	5753.48	0.5	PASS
	Ant1	5785	16.92	5776.44	5793.36	0.5	PASS
	Ant2	5785	17.56	5776.20	5793.76	0.5	PASS
	Ant3	5785	17.16	5776.20	5793.36	0.5	PASS
	Ant1	5825	17.04	5816.44	5833.48	0.5	PASS
	Ant2	5825	17.56	5816.20	5833.76	0.5	PASS
	Ant3	5825	17.56	5816.20	5833.76	0.5	PASS
11N40MIMO	Ant1	5710	35.12	5692.48	5727.60	---	---
	Ant2	5710	35.12	5692.48	5727.60	---	---
	Ant3	5710	35.12	5692.48	5727.60	---	---
	Ant1	5710 UNII-2C	32.52	5692.48	5725	---	---
	Ant2	5710 UNII-2C	32.52	5692.48	5725	---	---
	Ant3	5710 UNII-2C	32.52	5692.48	5725	---	---
	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
11AC20MIMO	Ant1	5720	16.96	5711.44	5728.40	---	---
	Ant2	5720	17.56	5711.20	5728.76	---	---
	Ant3	5720	17.56	5711.20	5728.76	---	---
	Ant1	5720 UNII-2C	13.56	5711.44	5725	---	---

	Ant2	5720 UNII-2C	13.8	5711.20	5725	---	---
	Ant3	5720 UNII-2C	13.8	5711.20	5725	---	---
	Ant1	5720 UNII-3	3.4	5725	5728.40	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	16.80	5736.56	5753.36	0.5	PASS
	Ant2	5745	17.56	5736.20	5753.76	0.5	PASS
	Ant3	5745	17.52	5736.20	5753.72	0.5	PASS
	Ant1	5785	16.92	5776.44	5793.36	0.5	PASS
	Ant2	5785	17.56	5776.20	5793.76	0.5	PASS
	Ant3	5785	17.56	5776.20	5793.76	0.5	PASS
	Ant1	5825	17.08	5816.44	5833.52	0.5	PASS
	Ant2	5825	17.56	5816.20	5833.76	0.5	PASS
	Ant3	5825	17.56	5816.20	5833.76	0.5	PASS
11AC40MIM O	Ant1	5710	35.12	5692.48	5727.60	---	---
	Ant2	5710	35.12	5692.48	5727.60	---	---
	Ant3	5710	35.12	5692.48	5727.60	---	---
	Ant1	5710 UNII-2C	32.52	5692.48	5725	---	---
	Ant2	5710 UNII-2C	32.52	5692.48	5725	---	---
	Ant3	5710 UNII-2C	32.52	5692.48	5725	---	---
	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
11AC80MIM O	Ant1	5775	75.20	5737.40	5812.60	0.5	PASS
	Ant2	5775	75.20	5737.40	5812.60	0.5	PASS
	Ant3	5775	75.20	5737.40	5812.60	0.5	PASS
11AX20MIM O	Ant1	5720	18.76	5710.56	5729.32	---	---
	Ant2	5720	18.72	5710.68	5729.40	---	---
	Ant3	5720	18.76	5710.60	5729.36	---	---
	Ant1	5720 UNII-2C	14.44	5710.56	5725	---	---
	Ant2	5720 UNII-2C	14.32	5710.68	5725	---	---
	Ant3	5720 UNII-2C	14.4	5710.60	5725	---	---
	Ant1	5720 UNII-3	4.32	5725	5729.32	0.5	PASS
	Ant2	5720 UNII-3	4.4	5725	5729.40	0.5	PASS
	Ant3	5720 UNII-3	4.36	5725	5729.36	0.5	PASS
	Ant1	5745	18.72	5735.56	5754.28	0.5	PASS
	Ant2	5745	18.80	5735.56	5754.36	0.5	PASS
	Ant3	5745	18.76	5735.52	5754.28	0.5	PASS
	Ant1	5785	18.84	5775.52	5794.36	0.5	PASS
	Ant2	5785	18.64	5775.60	5794.24	0.5	PASS
	Ant3	5785	18.72	5775.56	5794.28	0.5	PASS
	Ant1	5825	18.80	5815.56	5834.36	0.5	PASS
	Ant2	5825	18.76	5815.56	5834.32	0.5	PASS
	Ant3	5825	18.80	5815.56	5834.36	0.5	PASS
11AX40MIM O	Ant1	5710	37.04	5691.52	5728.56	---	---
	Ant2	5710	36.08	5692.48	5728.56	---	---
	Ant3	5710	36.08	5692.48	5728.56	---	---
	Ant1	5710 UNII-2C	33.48	5691.52	5725	---	---
	Ant2	5710 UNII-2C	32.52	5692.48	5725	---	---
	Ant3	5710 UNII-2C	32.52	5692.48	5725	---	---
	Ant1	5710 UNII-3	3.56	5725	5728.56	0.5	PASS
	Ant2	5710 UNII-3	3.56	5725	5728.56	0.5	PASS
	Ant3	5710 UNII-3	3.56	5725	5728.56	0.5	PASS
	Ant1	5755	36.08	5736.76	5772.84	0.5	PASS
	Ant2	5755	35.84	5736.76	5772.60	0.5	PASS
	Ant3	5755	36.08	5736.76	5772.84	0.5	PASS
	Ant1	5795	36.48	5777.00	5813.48	0.5	PASS
	Ant2	5795	35.60	5777.00	5812.60	0.5	PASS

11AX80MIM O	Ant3	5795	36.32	5776.52	5812.84	0.5	PASS
	Ant1	5775	76.00	5736.60	5812.60	0.5	PASS
	Ant2	5775	75.84	5736.76	5812.60	0.5	PASS
	Ant3	5775	75.84	5736.76	5812.60	0.5	PASS
11BE20MIM O	Ant1	5720	17.64	5711.16	5728.80	---	---
	Ant2	5720	17.68	5711.08	5728.76	---	---
	Ant3	5720	17.72	5711.08	5728.80	---	---
	Ant1	5720 UNII-2C	13.84	5711.16	5725	---	---
	Ant2	5720 UNII-2C	13.92	5711.08	5725	---	---
	Ant3	5720 UNII-2C	13.92	5711.08	5725	---	---
	Ant1	5720 UNII-3	3.8	5725	5728.80	0.5	PASS
	Ant2	5720 UNII-3	3.76	5725	5728.76	0.5	PASS
	Ant3	5720 UNII-3	3.8	5725	5728.80	0.5	PASS
	Ant1	5745	18.16	5736.00	5754.16	0.5	PASS
	Ant2	5745	17.96	5736.16	5754.12	0.5	PASS
	Ant3	5745	18.20	5735.96	5754.16	0.5	PASS
	Ant1	5785	17.36	5776.44	5793.80	0.5	PASS
	Ant2	5785	17.60	5776.16	5793.76	0.5	PASS
	Ant3	5785	17.84	5775.96	5793.80	0.5	PASS
	Ant1	5825	18.28	5816.00	5834.28	0.5	PASS
	Ant2	5825	18.24	5816.00	5834.24	0.5	PASS
	Ant3	5825	18.32	5815.96	5834.28	0.5	PASS
11BE40MIM O	Ant1	5710	35.12	5692.48	5727.60	---	---
	Ant2	5710	35.12	5692.48	5727.60	---	---
	Ant3	5710	35.12	5692.48	5727.60	---	---
	Ant1	5710 UNII-2C	32.52	5692.48	5725	---	---
	Ant2	5710 UNII-2C	32.52	5692.48	5725	---	---
	Ant3	5710 UNII-2C	32.52	5692.48	5725	---	---
	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	35.44	5737.16	5772.60	0.5	PASS
	Ant2	5755	35.36	5737.24	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
11BE80MIM O	Ant1	5775	75.20	5737.40	5812.60	0.5	PASS
	Ant2	5775	75.36	5737.24	5812.60	0.5	PASS
	Ant3	5775	75.20	5737.40	5812.60	0.5	PASS

5.5. Test graphs B4





11A-CDD_Ant2_5745

MultiView Spectrum

Ref Level 30.00 dBm Offset 26.48 dB RBW 100 kHz Att 10 dB SWT 1.01 ms VBW 300 kHz Mode Sweep Count 100/100

1 Frequency Sweep

20 dBm

10 dBm

0 dBm

-10 dBm

-20 dBm

-30 dBm

-40 dBm

-50 dBm

-60 dBm

CF 5.745 GHz

1001 pts

4.0 MHz/

Span 40.0 MHz

2 Marker Table

Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1		1	5.736 84 GHz	2.93 dBm		
M2		1	5.743 72 GHz	8.43 dBm		
D3	M1	1	16.32 MHz	-0.47 dB		

Measuring...

09.07.2025 09:41:12

00:41:12 09.07.2025

11A-CDD_Ant3_5745

MultiView Spectrum

Ref Level 30.00 dBm Offset 26.48 dB RBW 100 kHz Att 10 dB SWT 1.01 ms VBW 300 kHz Mode Sweep Count 100/100

1 Frequency Sweep

20 dBm

10 dBm

0 dBm

-10 dBm

-20 dBm

-30 dBm

-40 dBm

-50 dBm

-60 dBm

CF 5.745 GHz

1001 pts

4.0 MHz/

Span 40.0 MHz

2 Marker Table

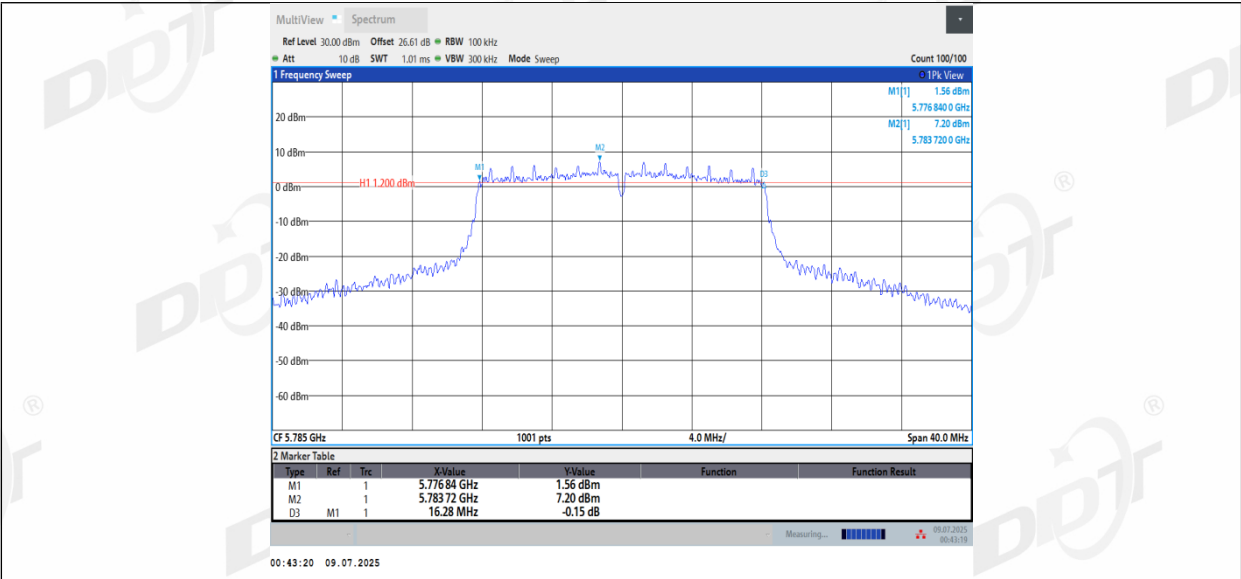
Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1		1	5.736 8 GHz	1.24 dBm		
M2		1	5.743 72 GHz	6.83 dBm		
D3	M1	1	16.32 MHz	0.53 dB		

Measuring...

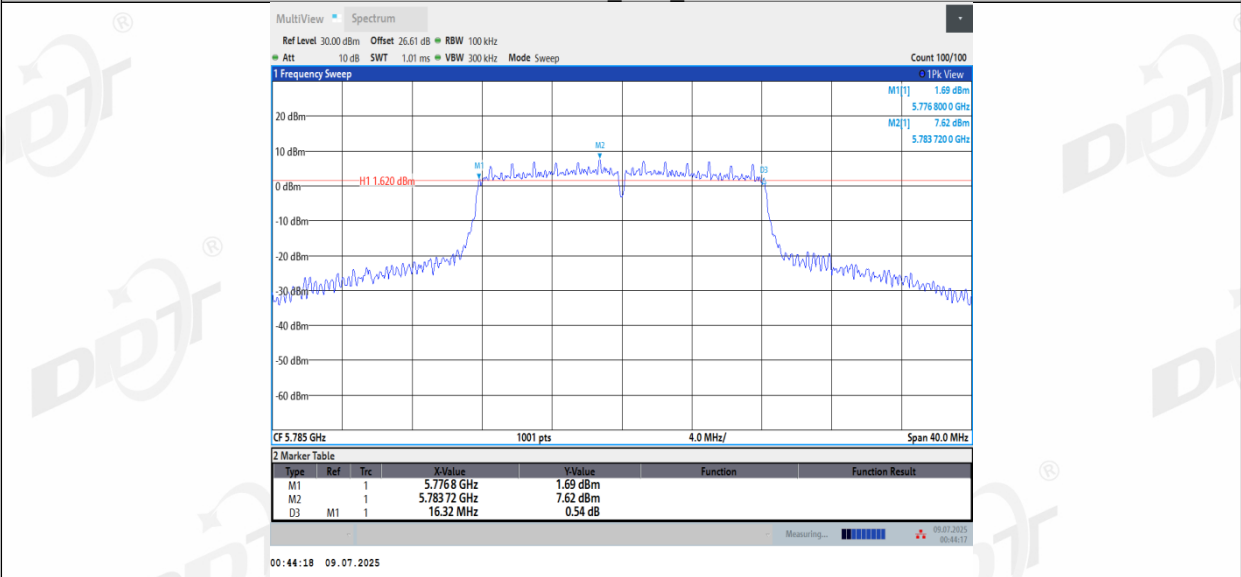
09.07.2025 09:42:10

00:42:10 09.07.2025

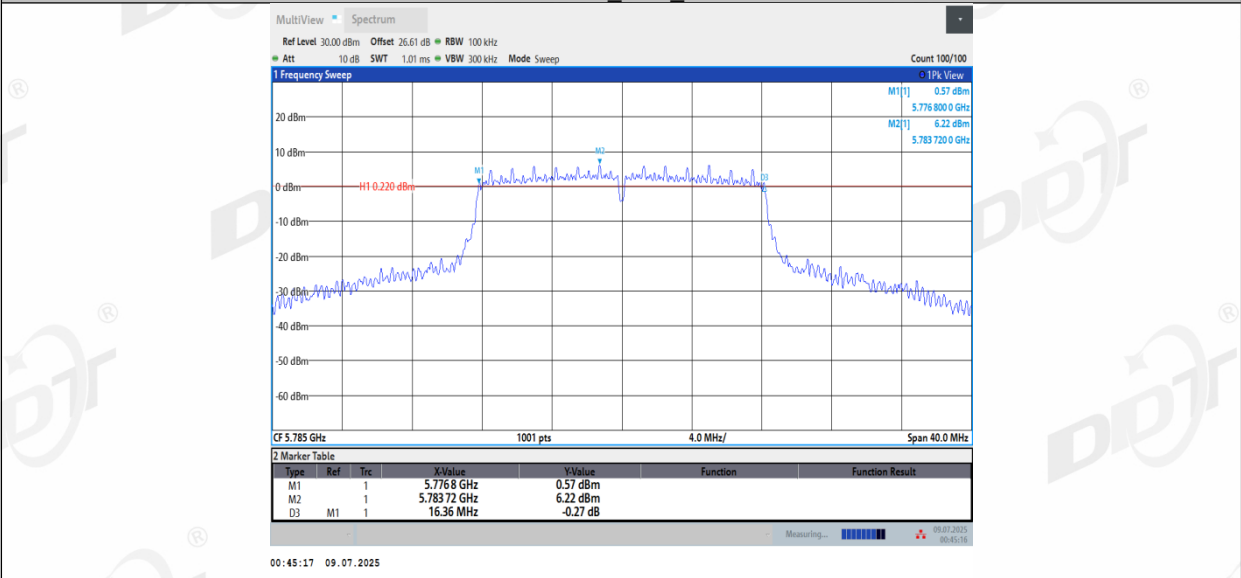
11A-CDD_Ant1_5785



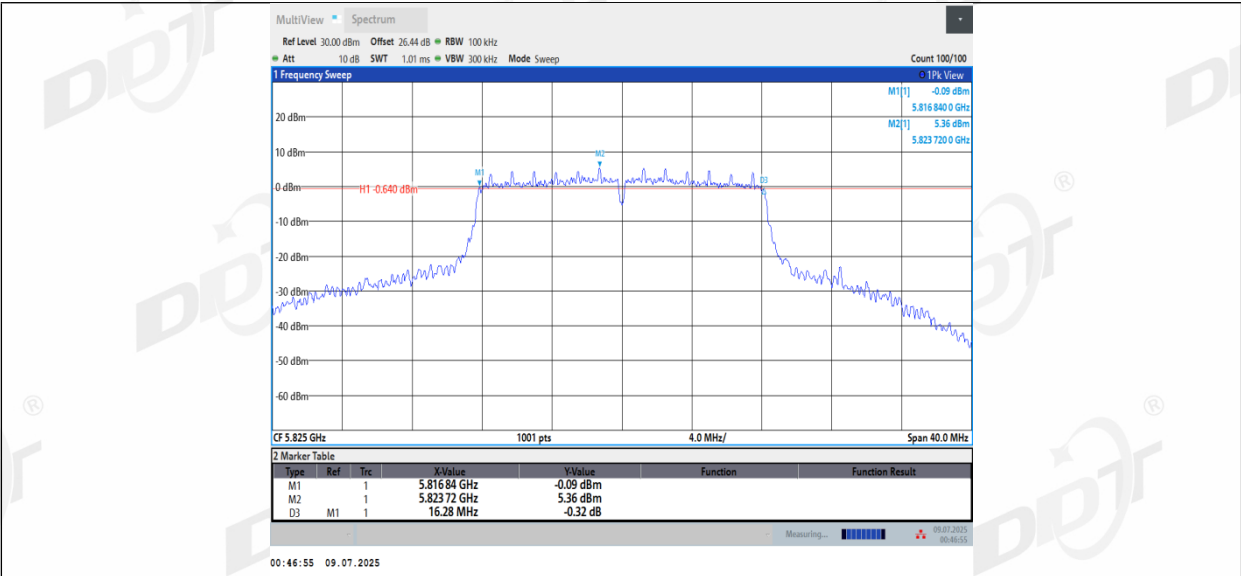
11A-CDD_Ant2_5785



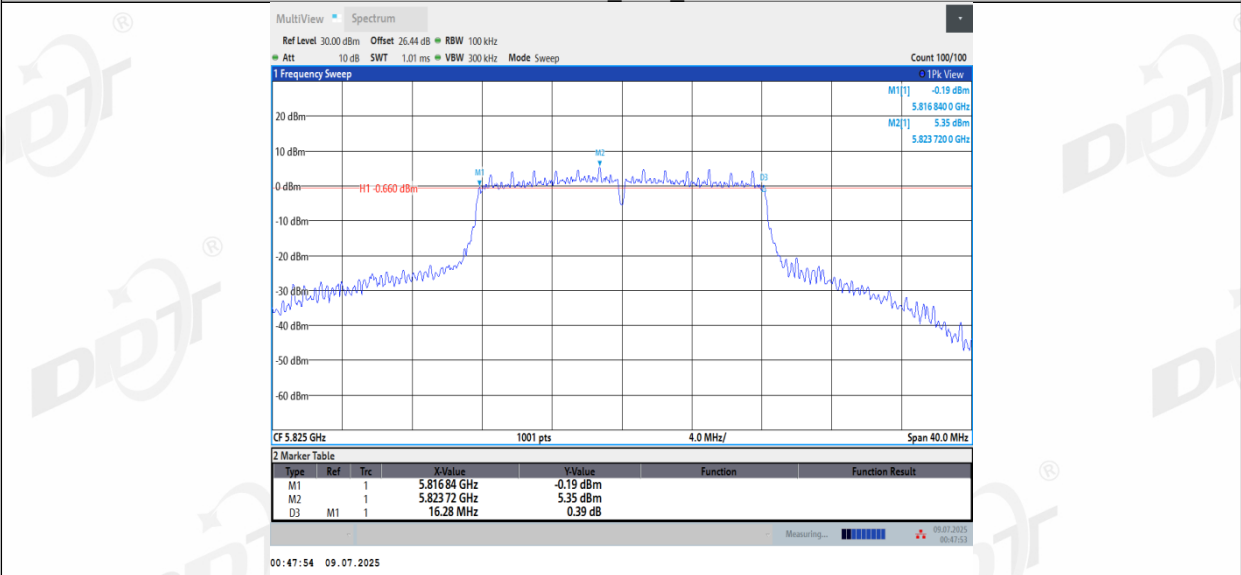
11A-CDD_Ant3_5785



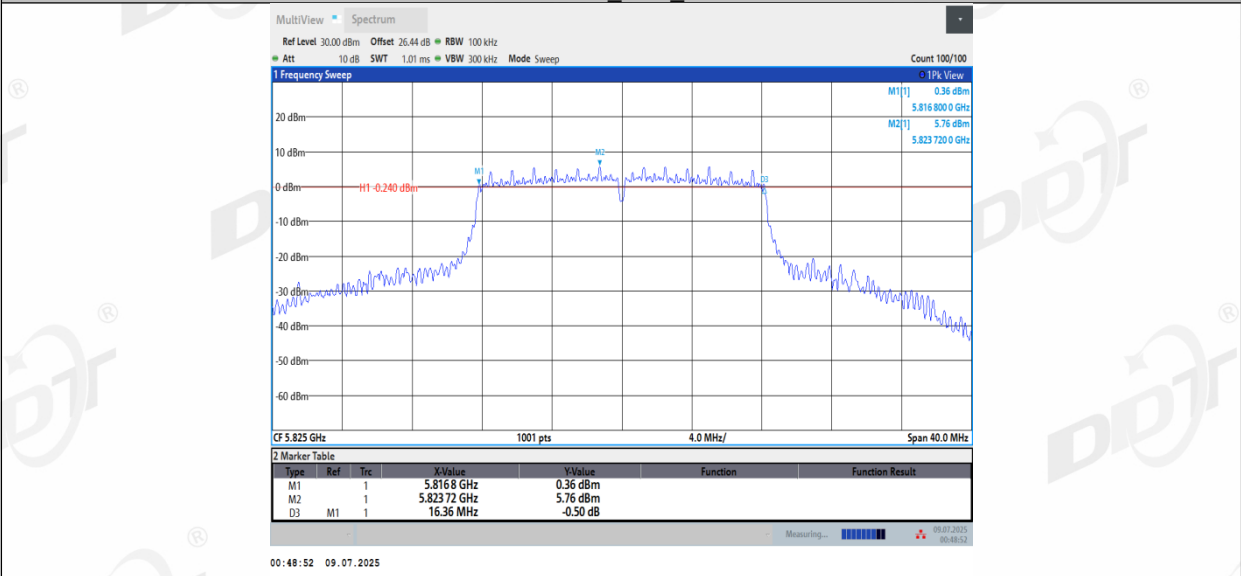
11A-CDD_Ant1_5825



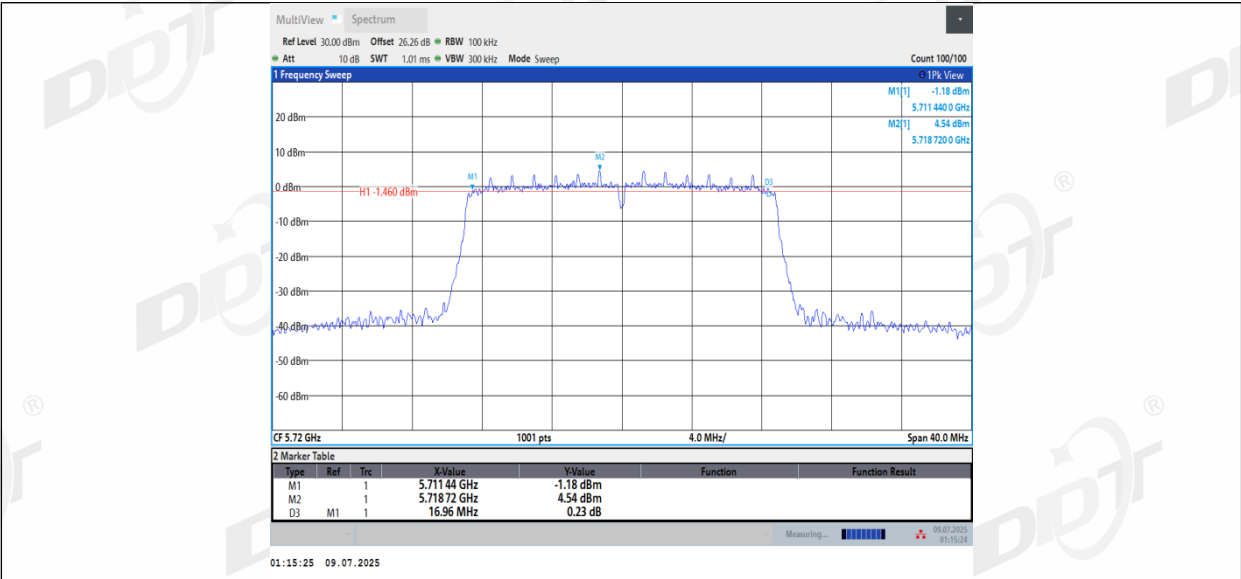
11A-CDD_Ant2_5825



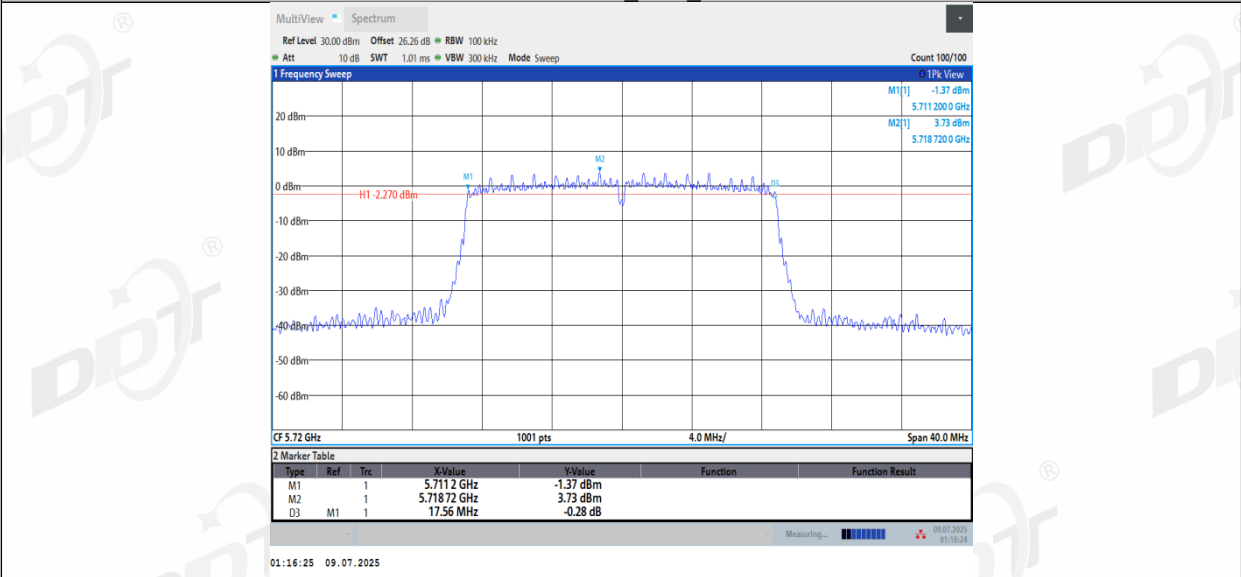
11A-CDD_Ant3_5825



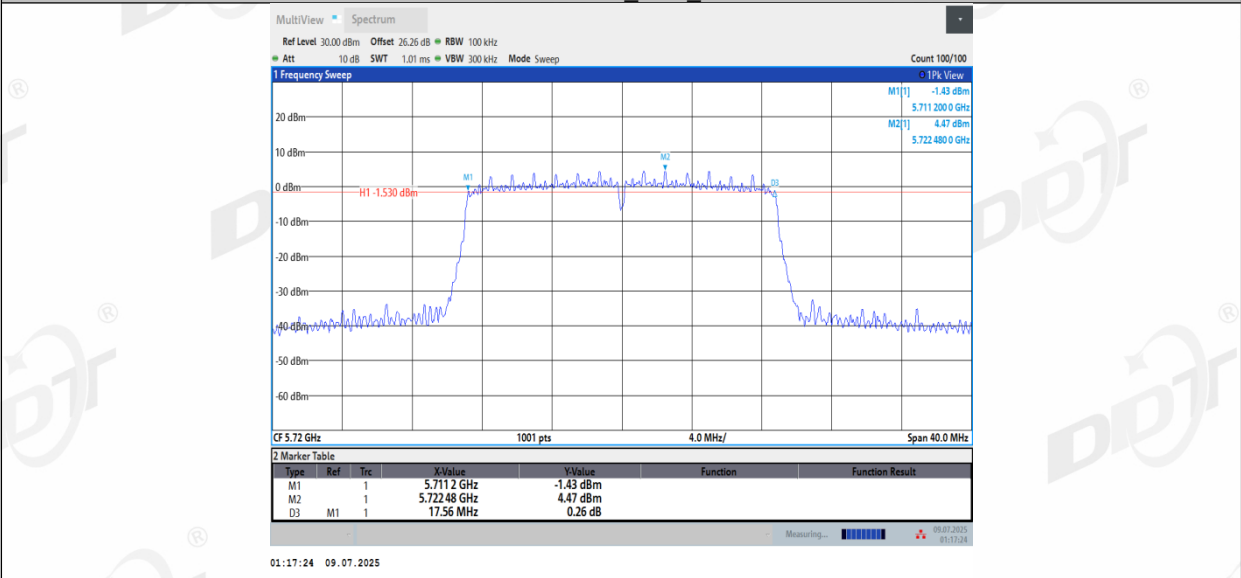
11N20MIMO_Ant1_5720



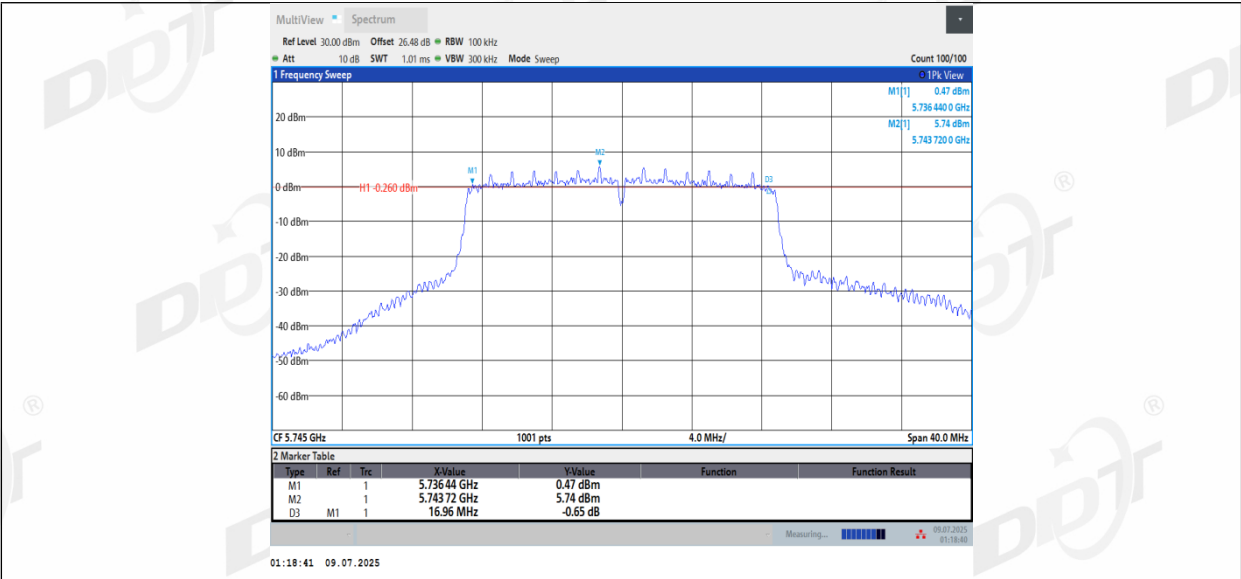
11N20MIMO_Ant2_5720



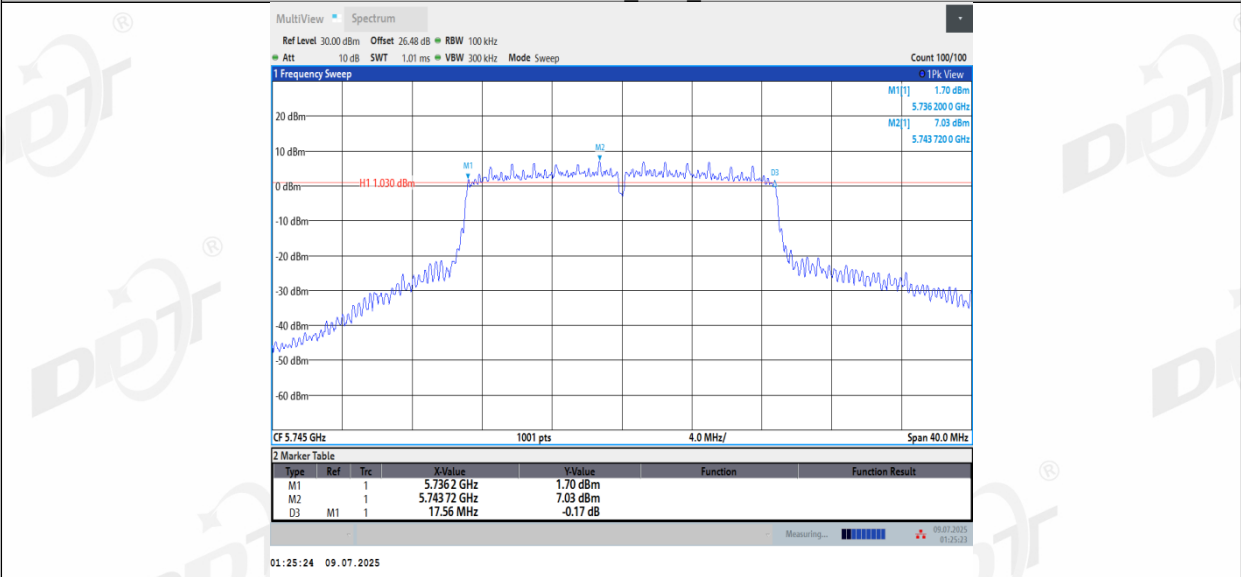
11N20MIMO_Ant3_5720



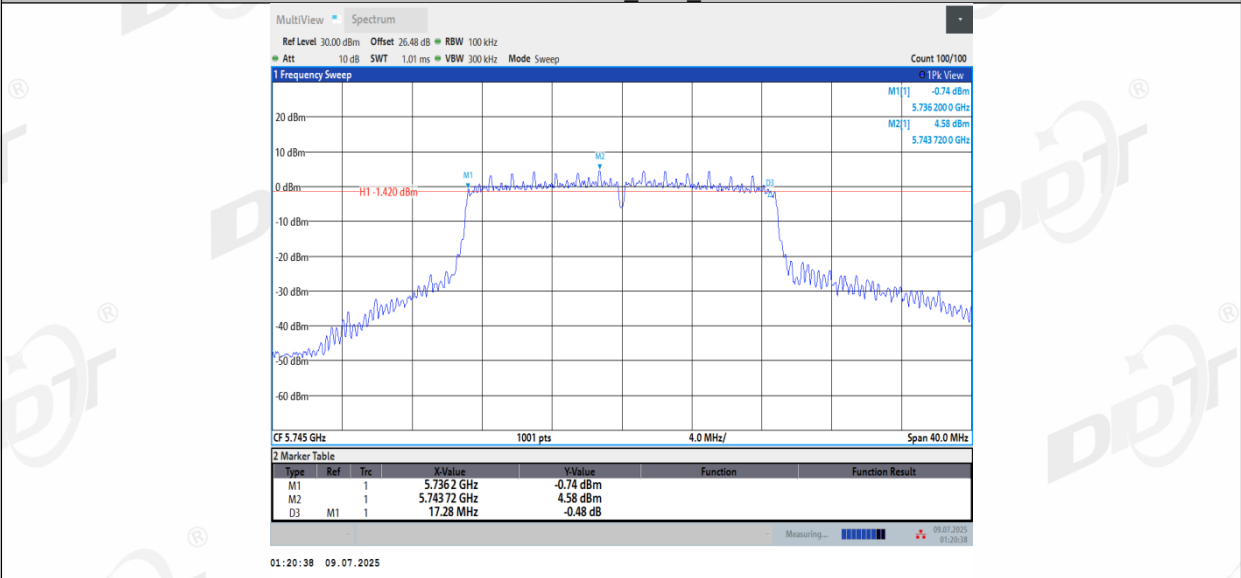
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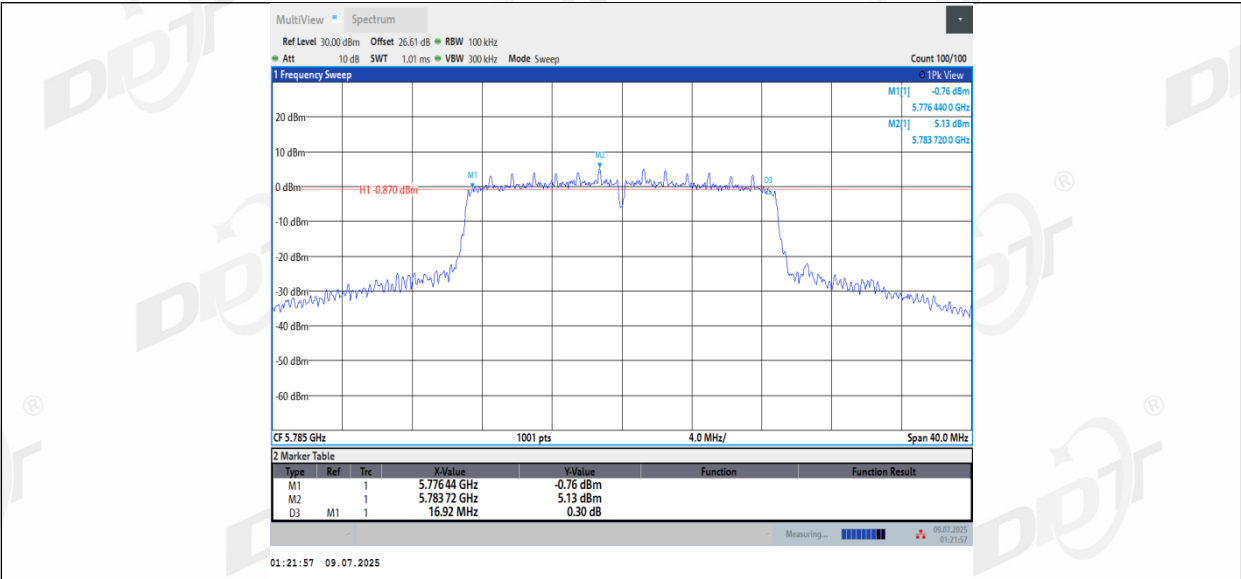
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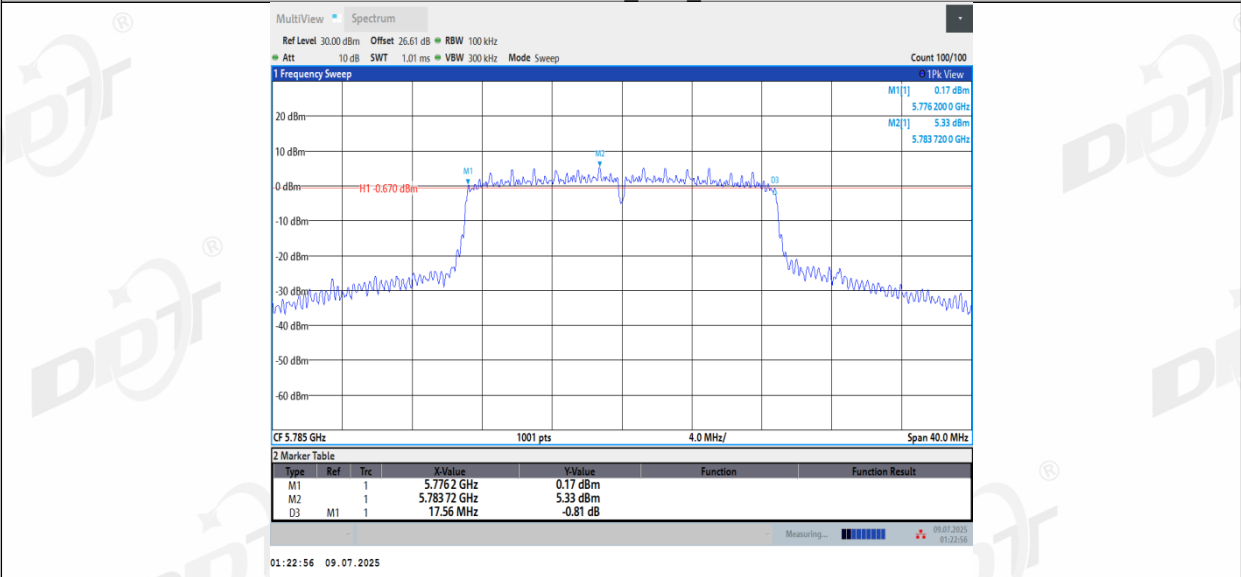
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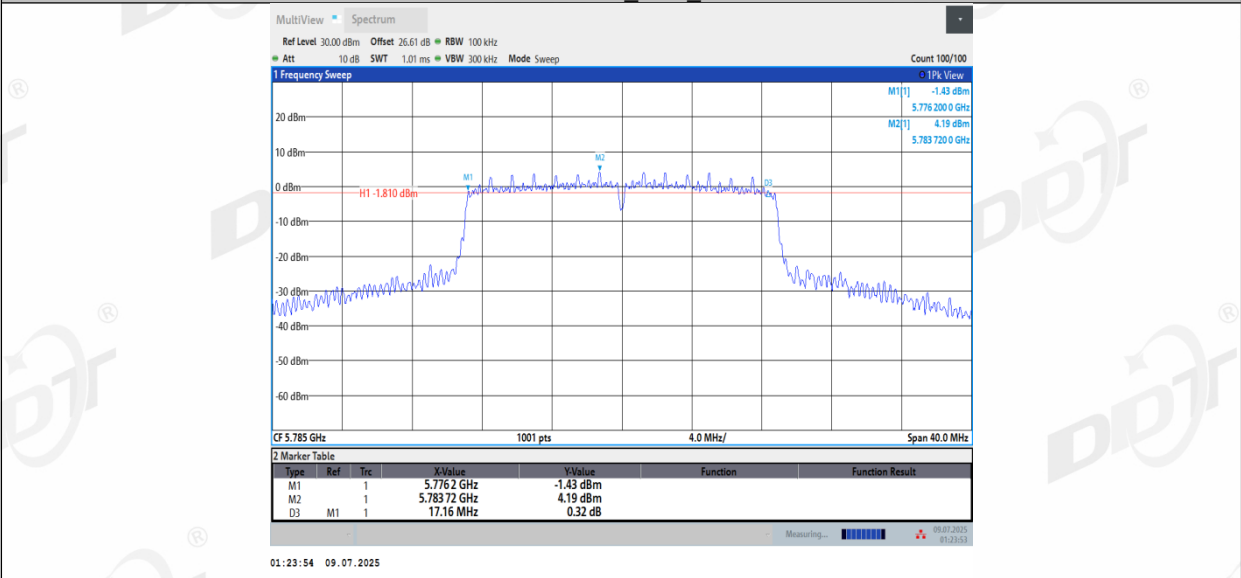
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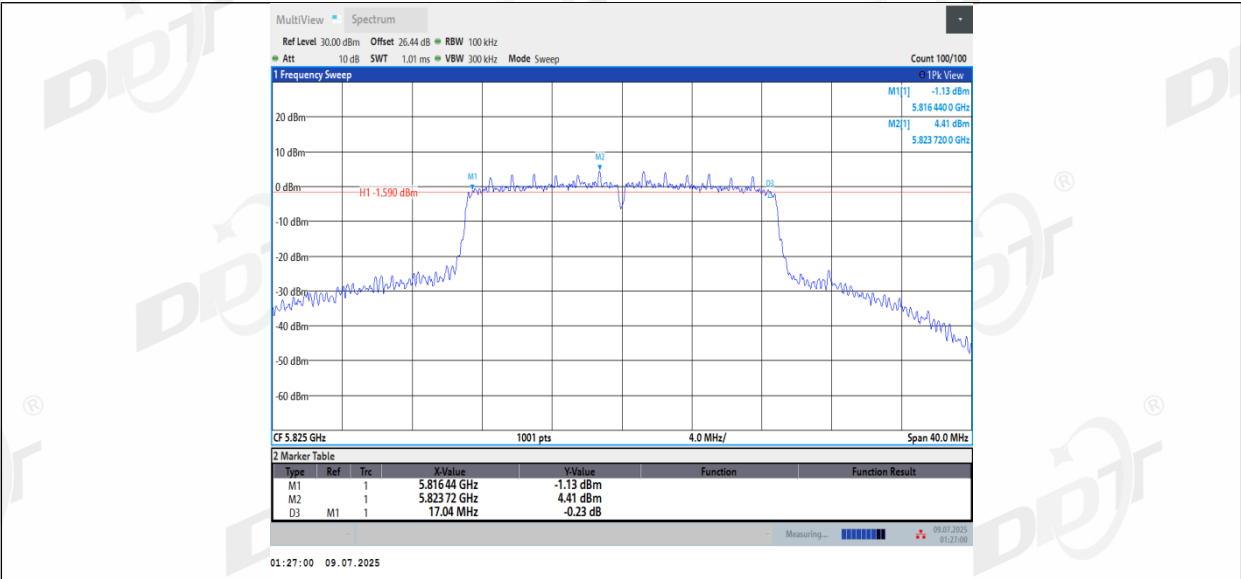
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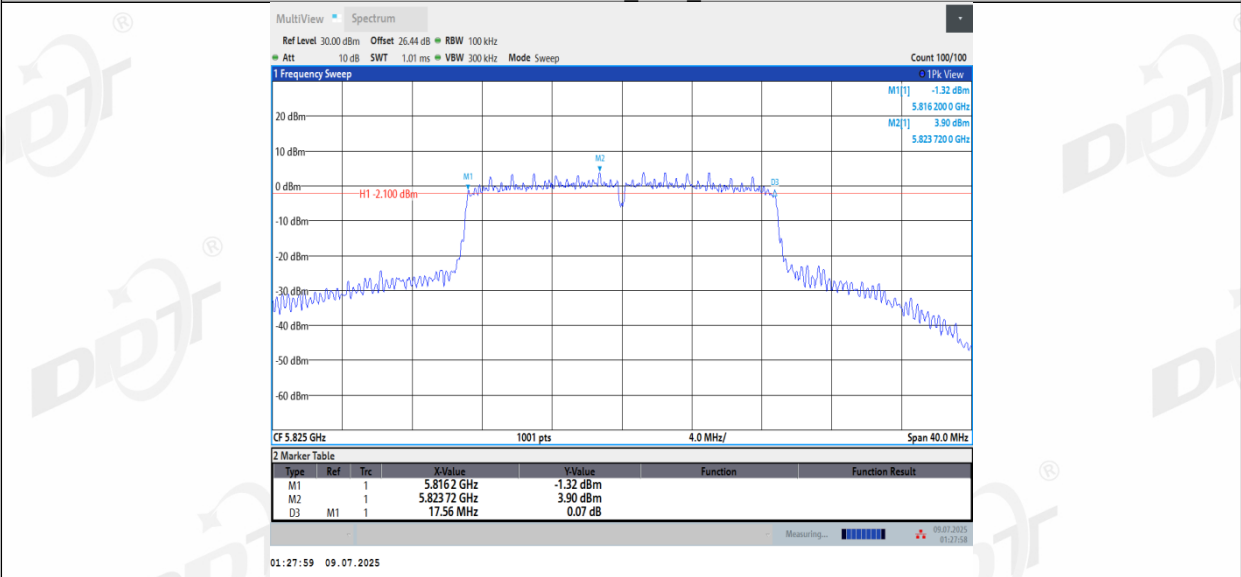
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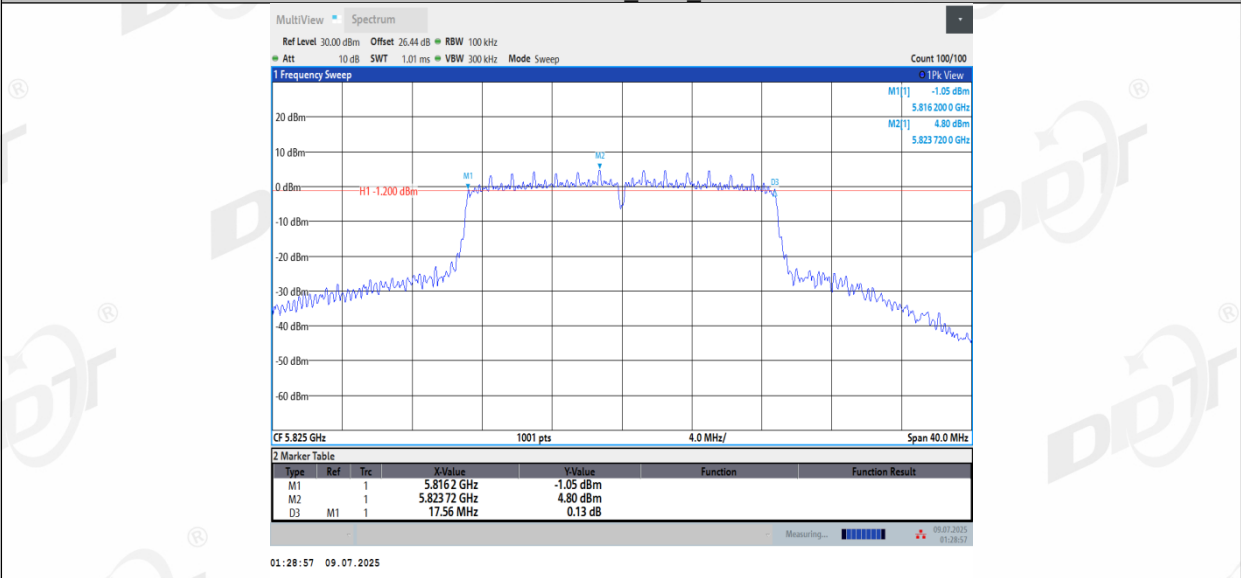
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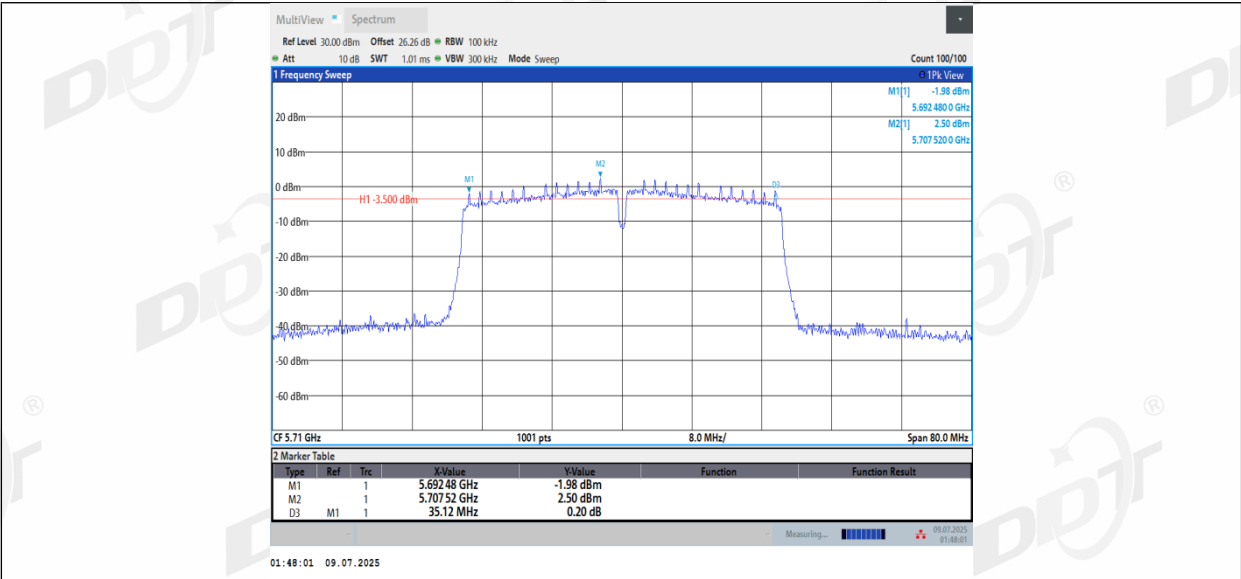
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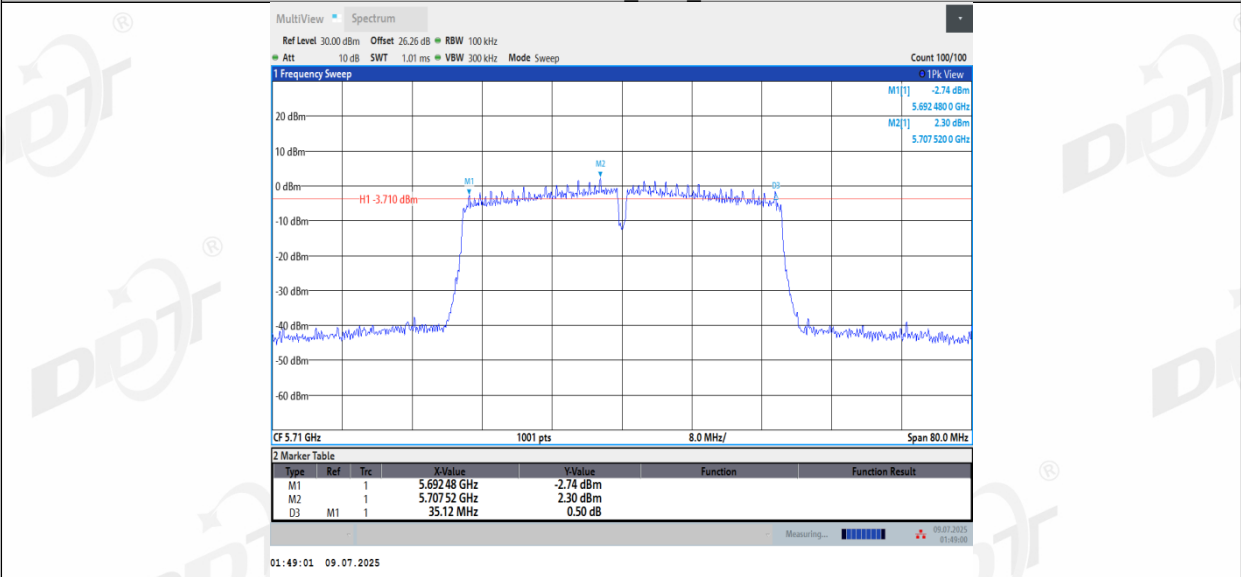
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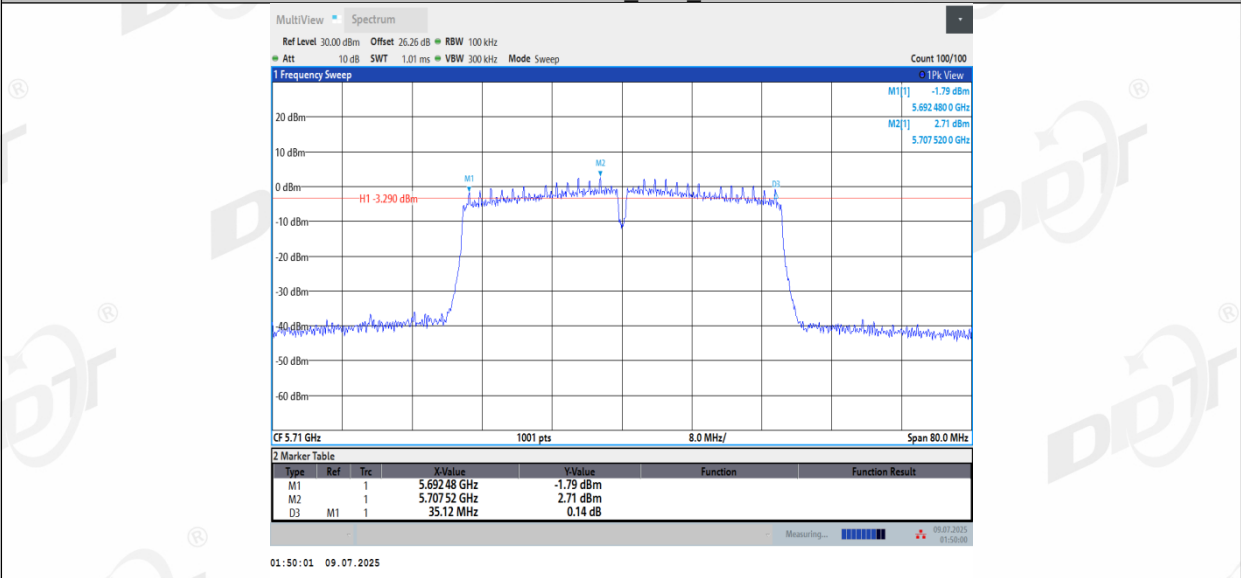
11N40MIMO_Ant1_5710



11N40MIMO_Ant2_5710



11N40MIMO_Ant3_5710



11N40MIMO_Ant1_5755