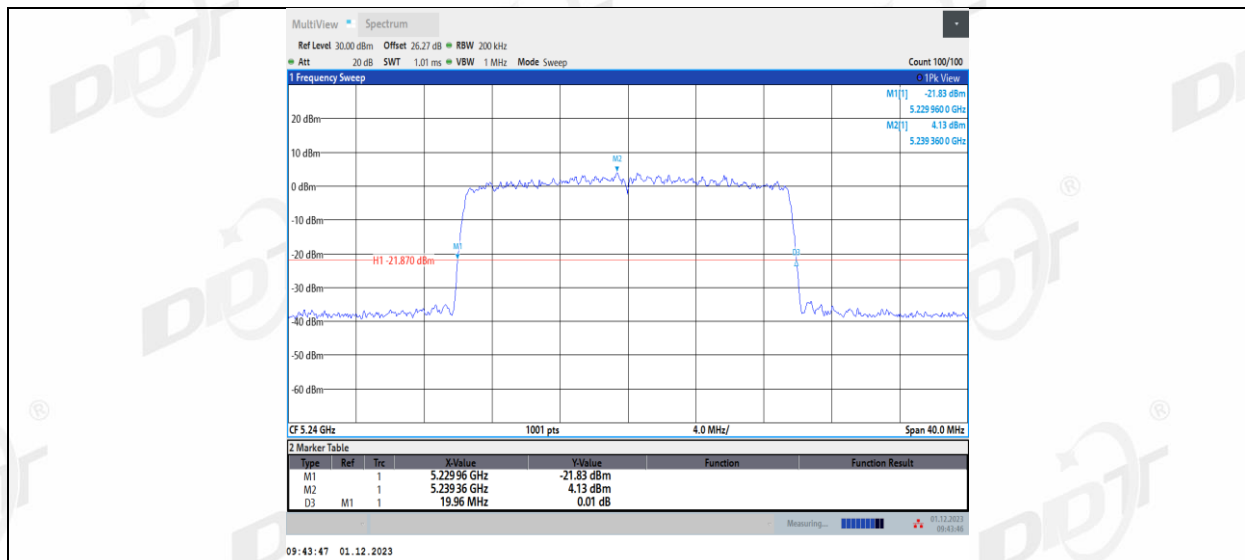
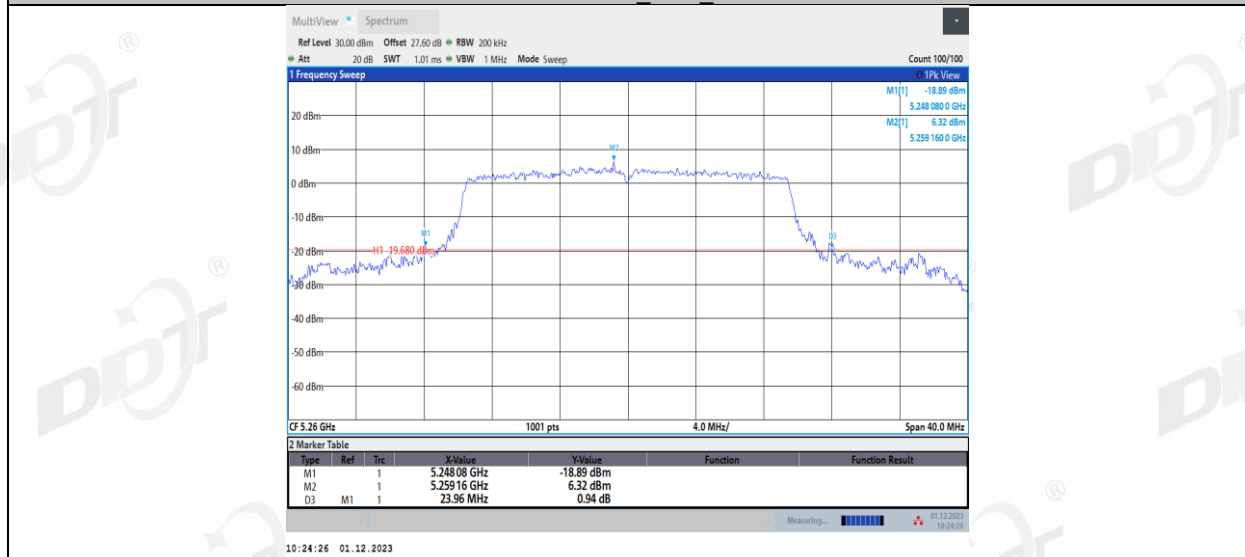
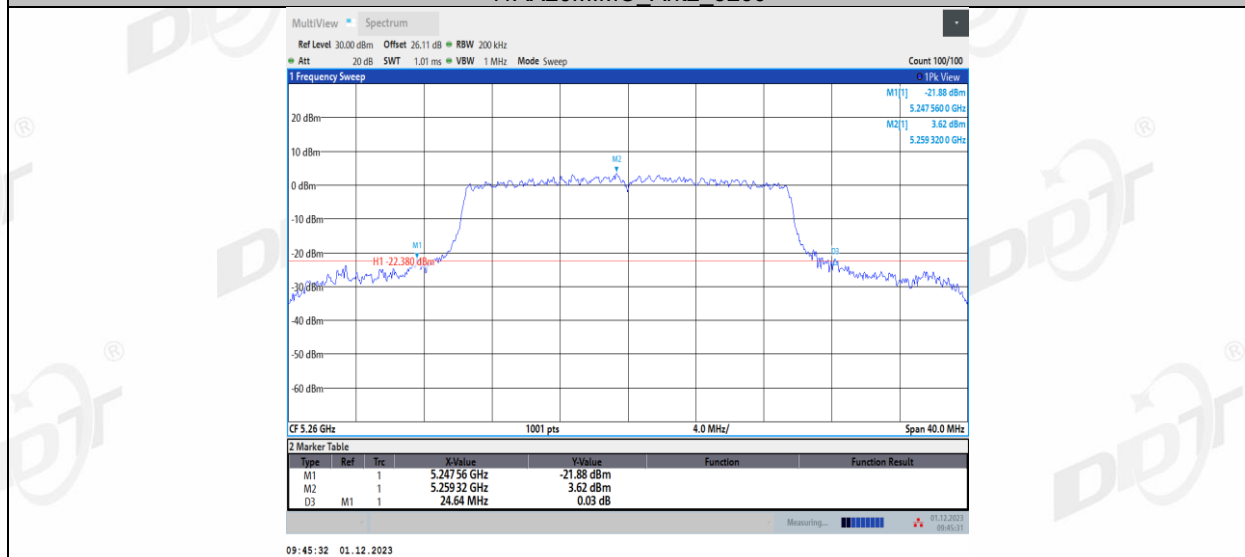




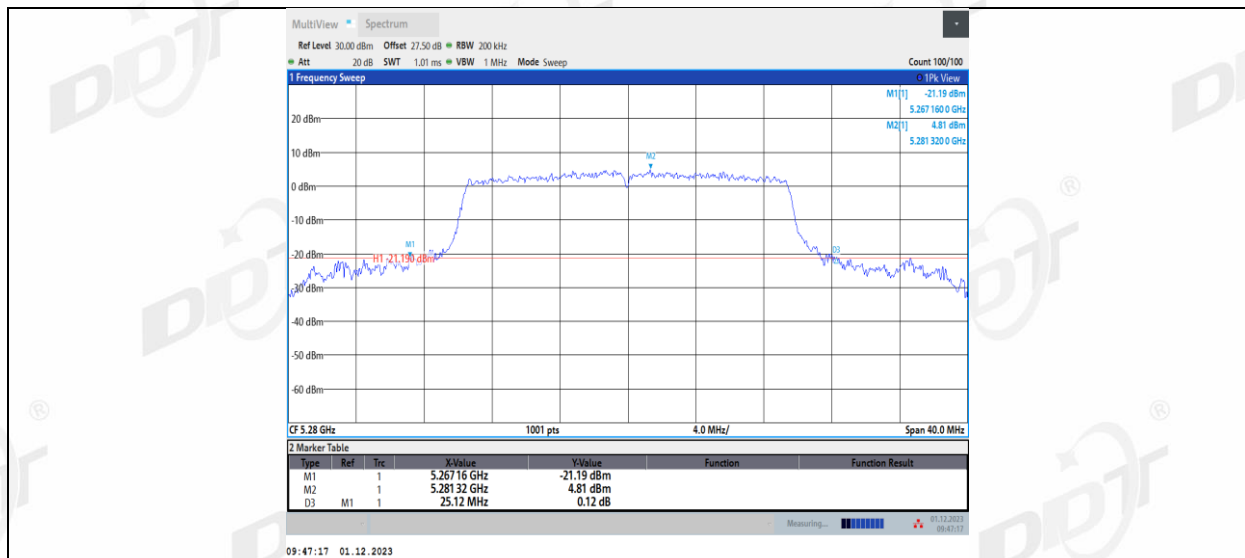
11AX20MIMO_Ant1_5260



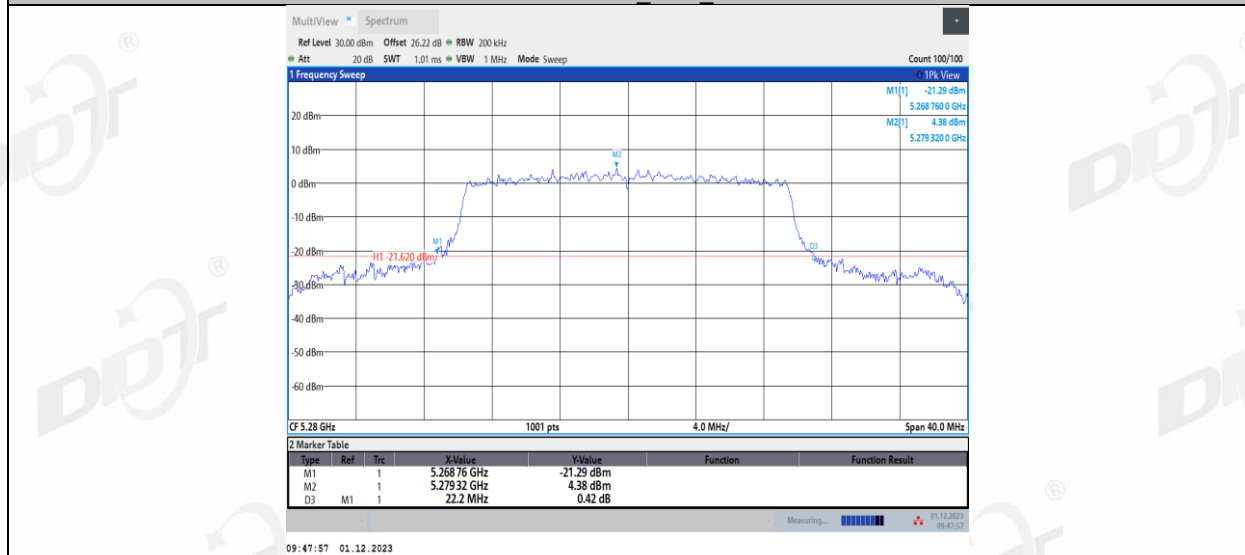
11AX20MIMO_Ant2_5260



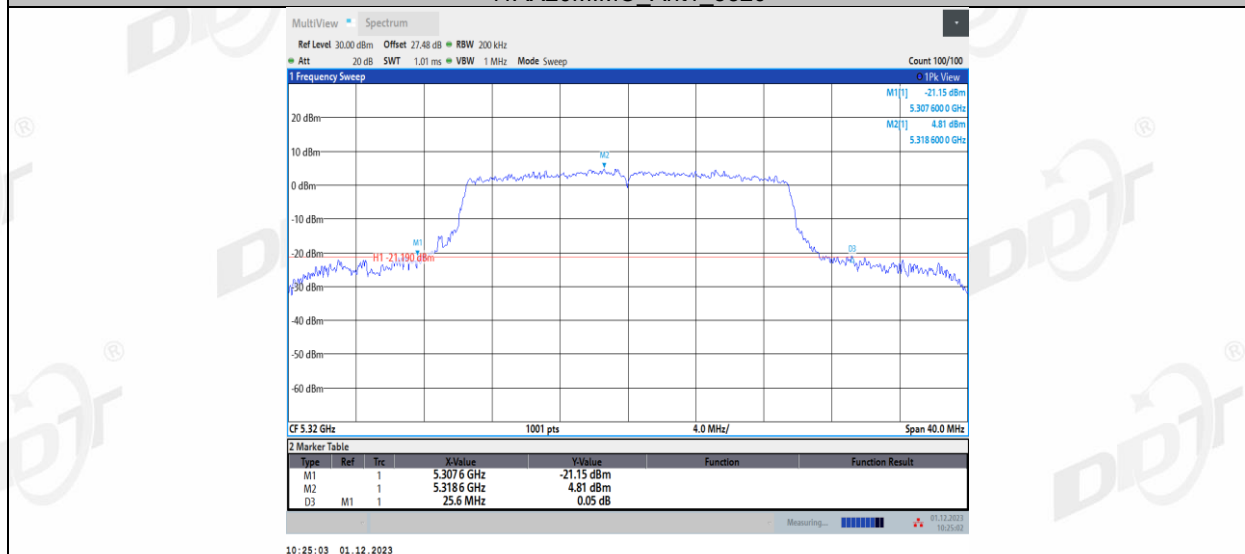
11AX20MIMO_Ant1_5280



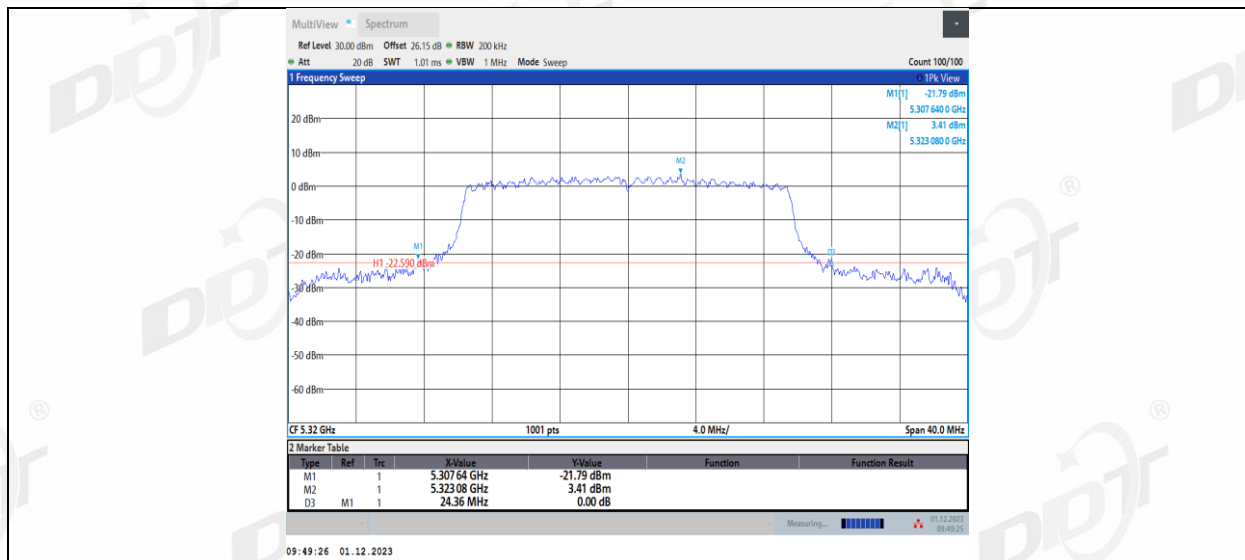
11AX20MIMO_Ant2_5280



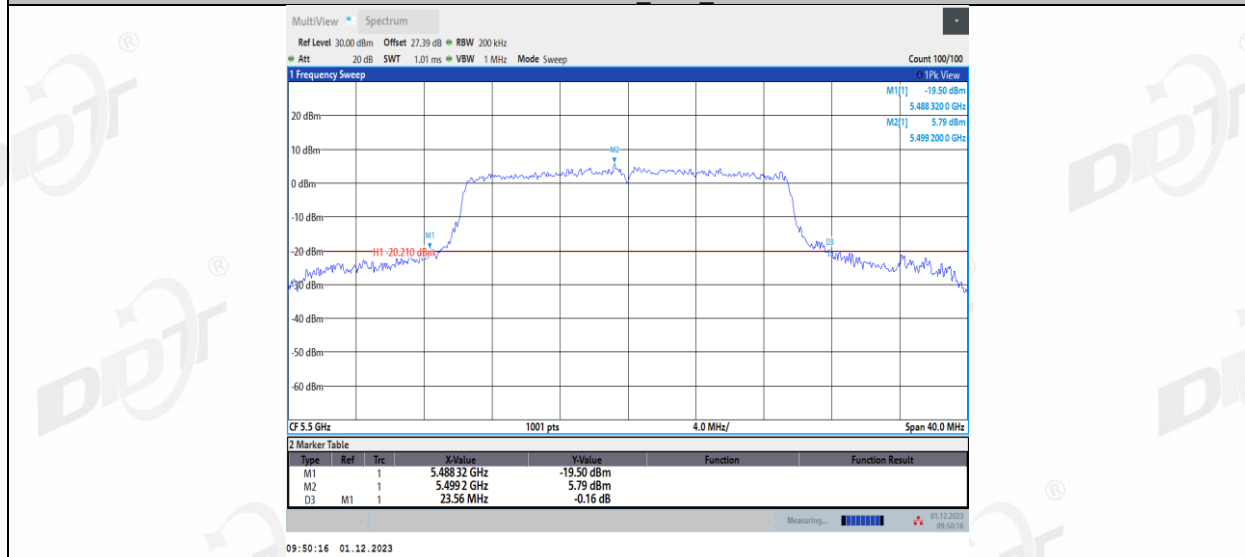
11AX20MIMO_Ant1_5320



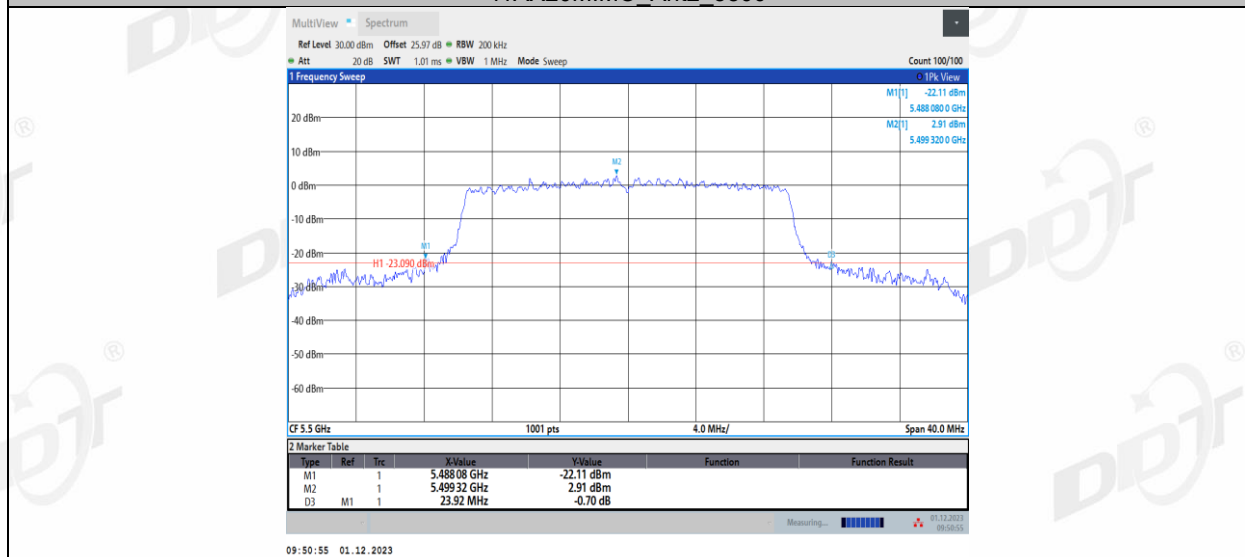
11AX20MIMO_Ant2_5320



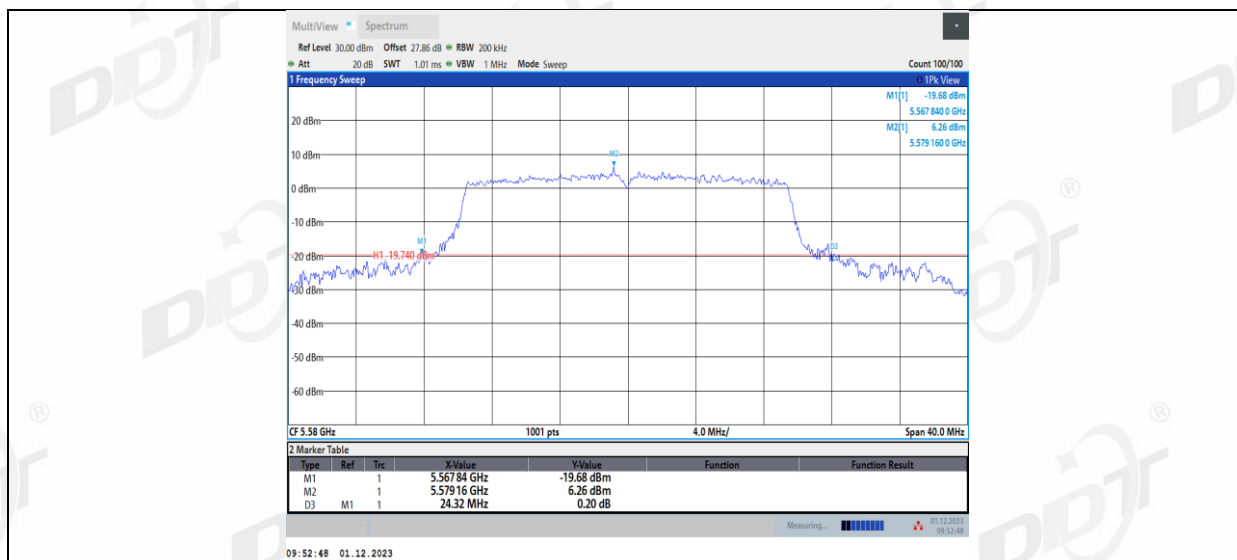
11AX20MIMO_Ant1_5500



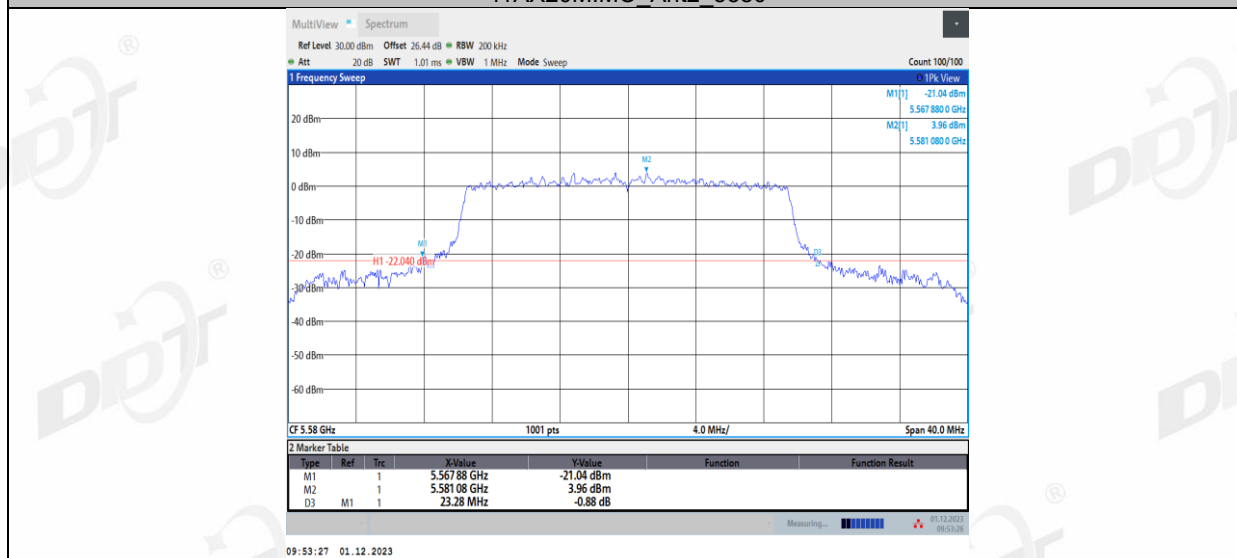
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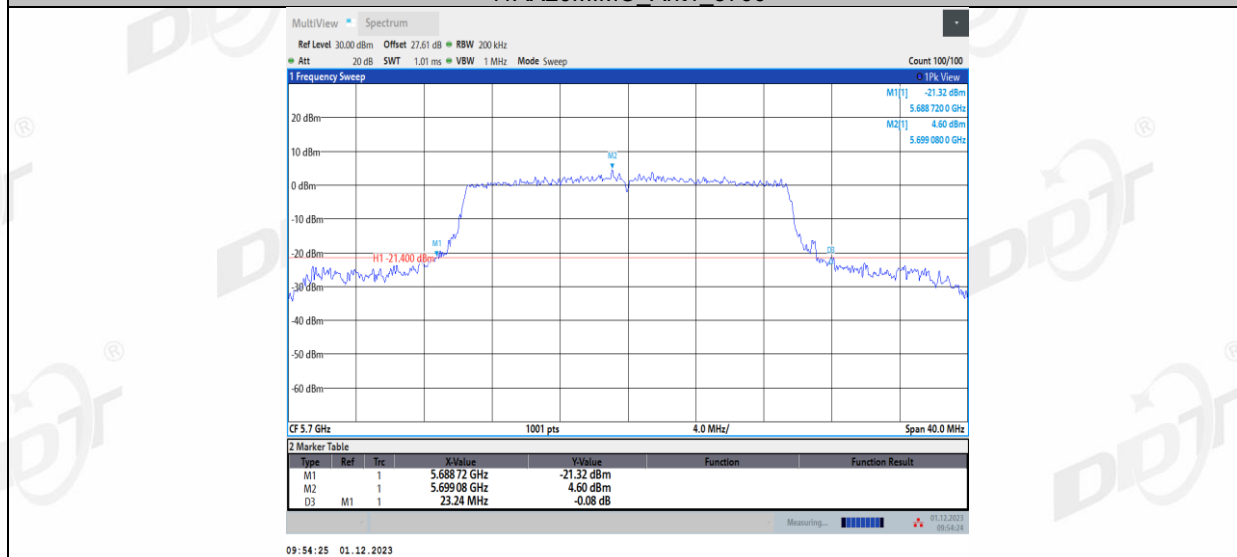
11AX20MIMO_Ant1_5580



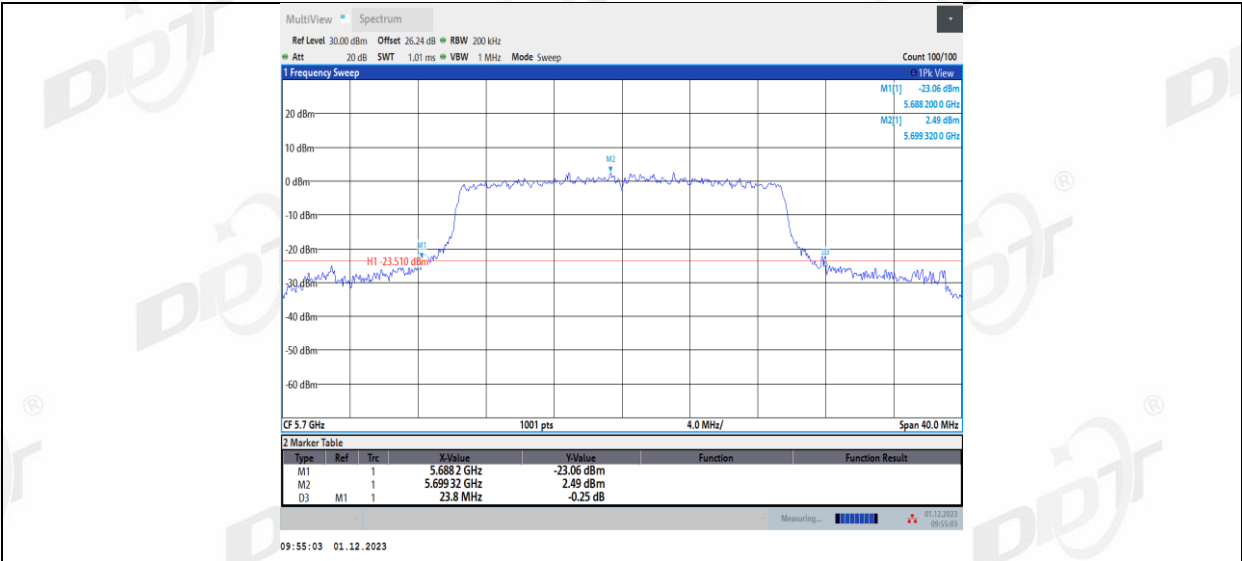
11AX20MIMO_Ant2_5580



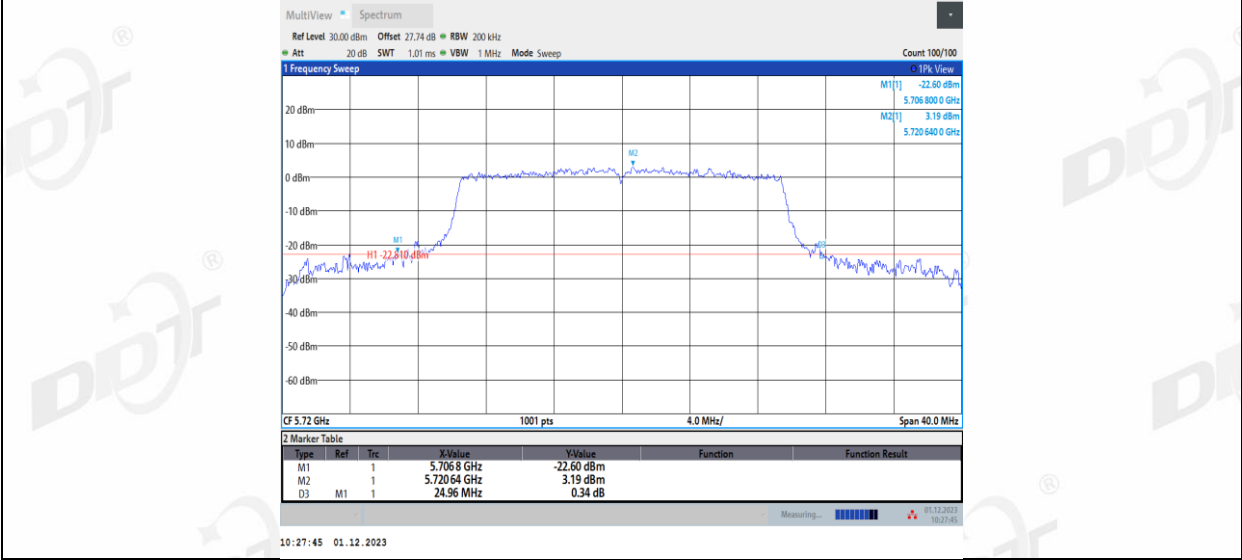
11AX20MIMO_Ant1_5700



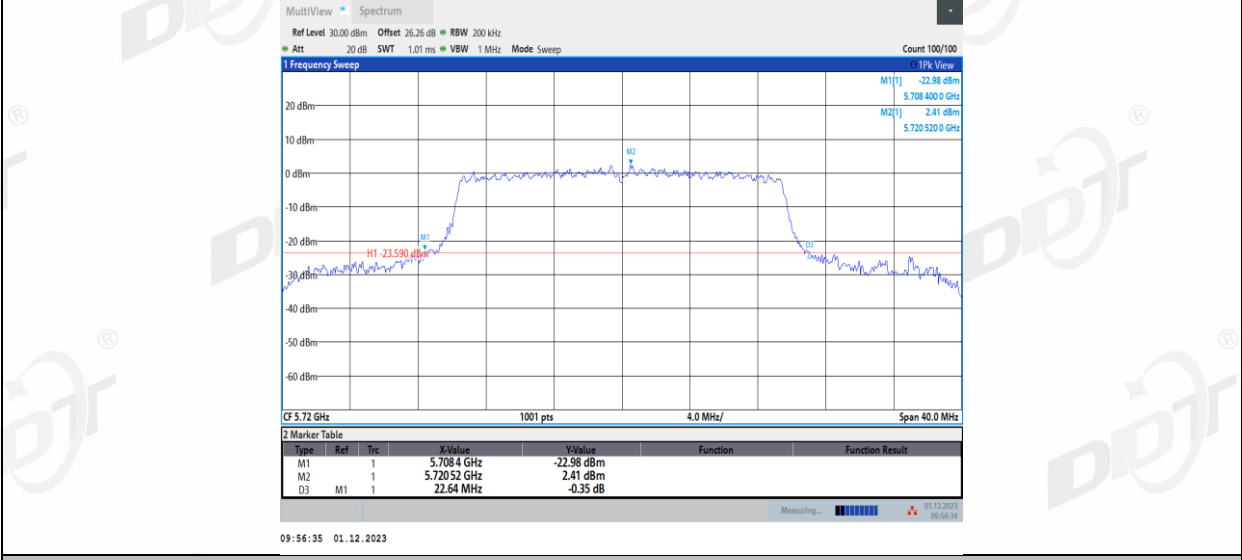
11AX20MIMO_Ant2_5700



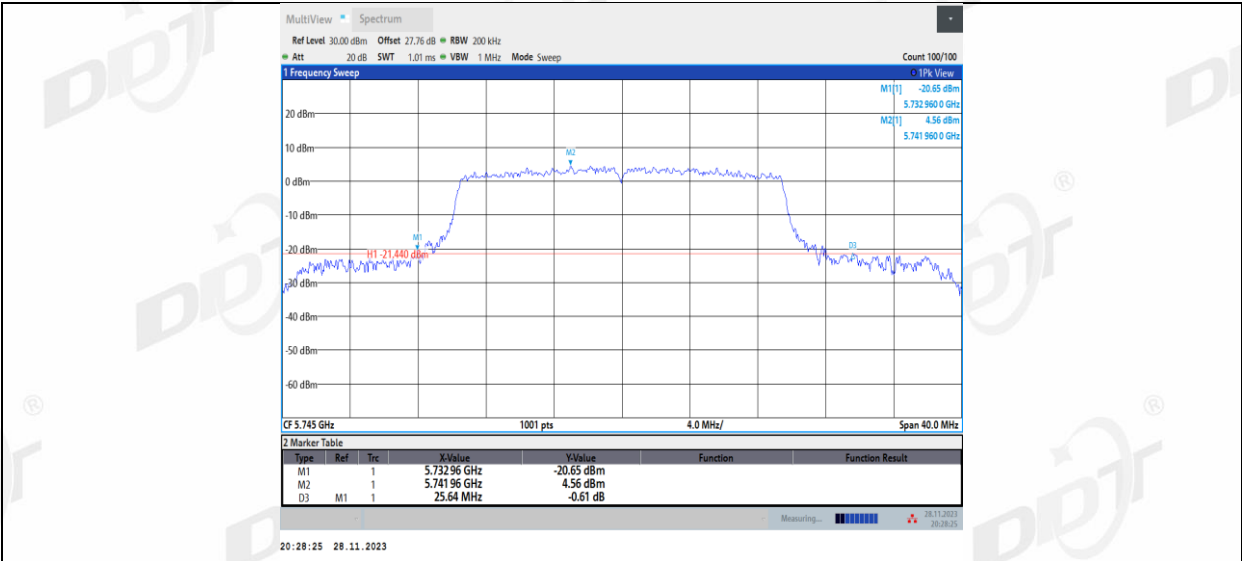
11AX20MIMO_Ant1_5720



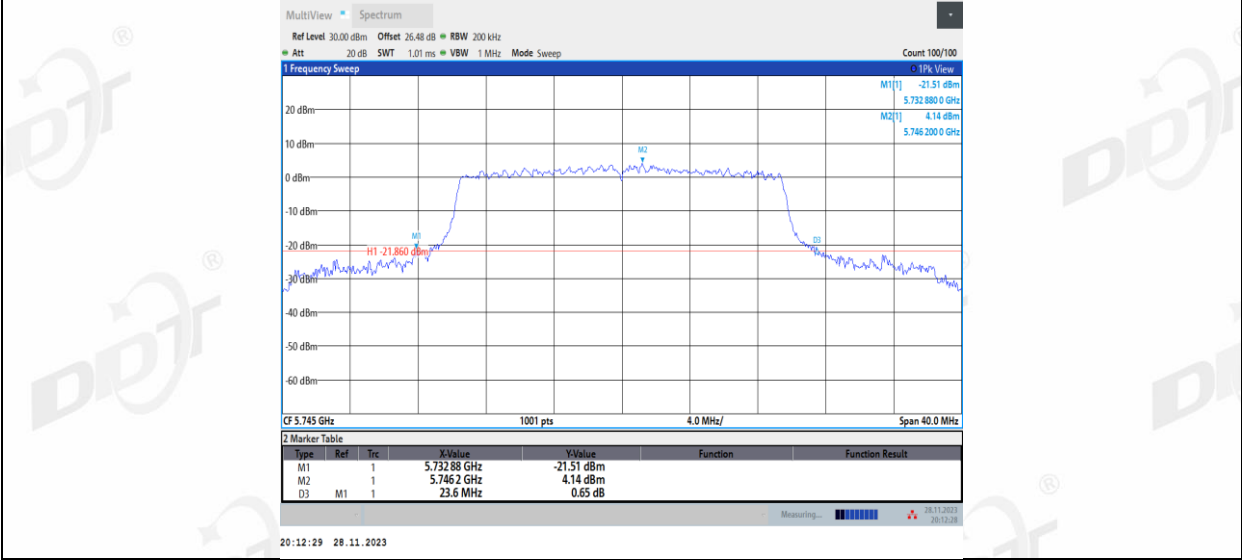
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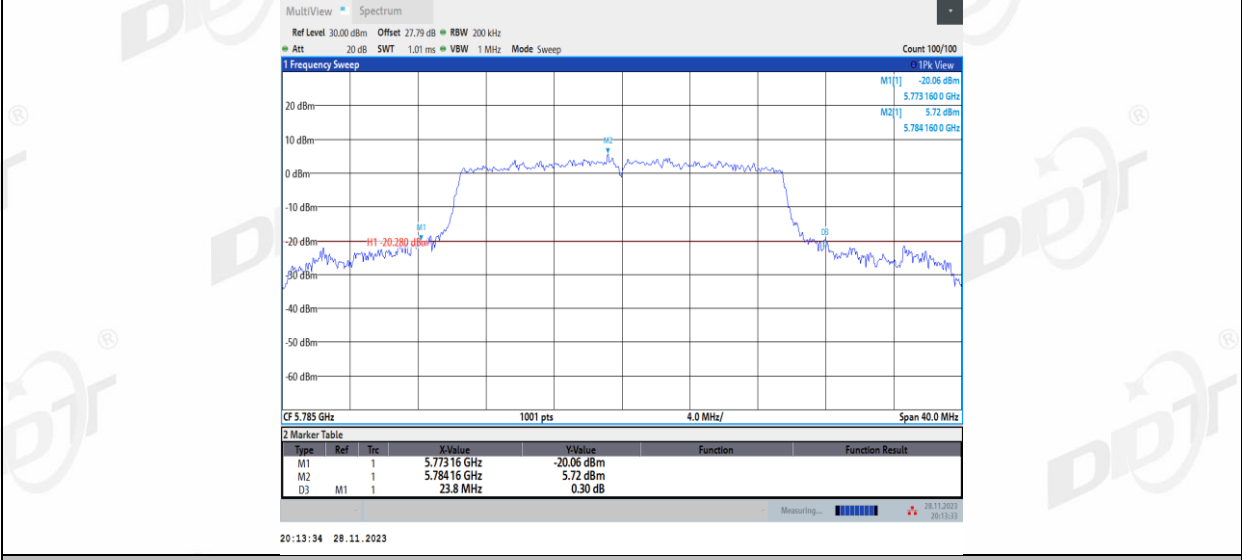
11AX20MIMO_Ant1_5745



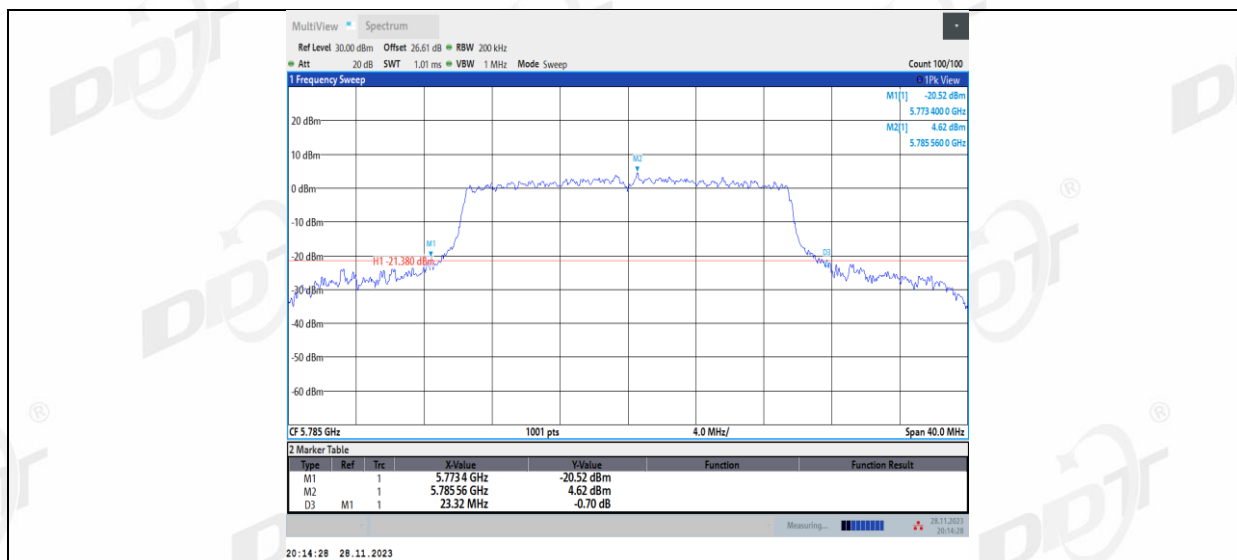
11AX20MIMO_Ant2_5745



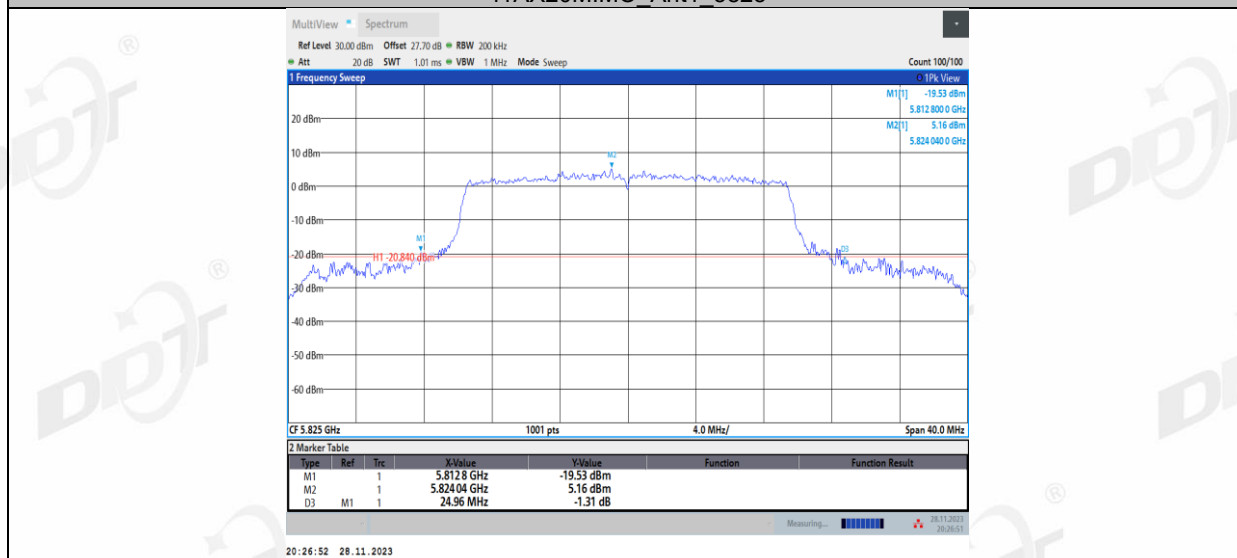
11AX20MIMO_Ant1_5785



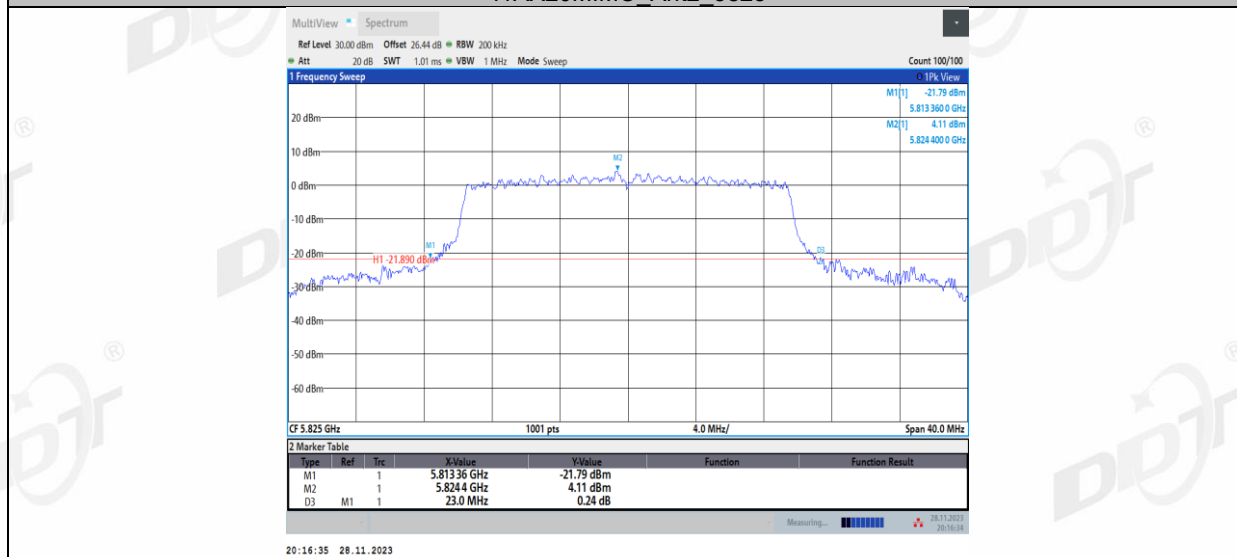
11AX20MIMO_Ant2_5785



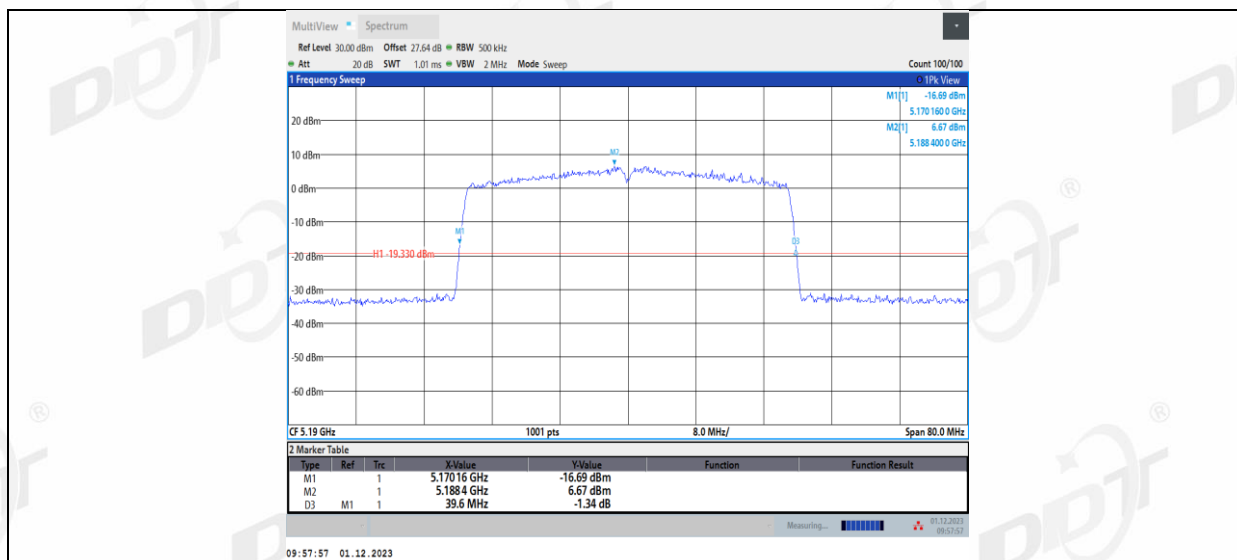
11AX20MIMO_Ant1_5825



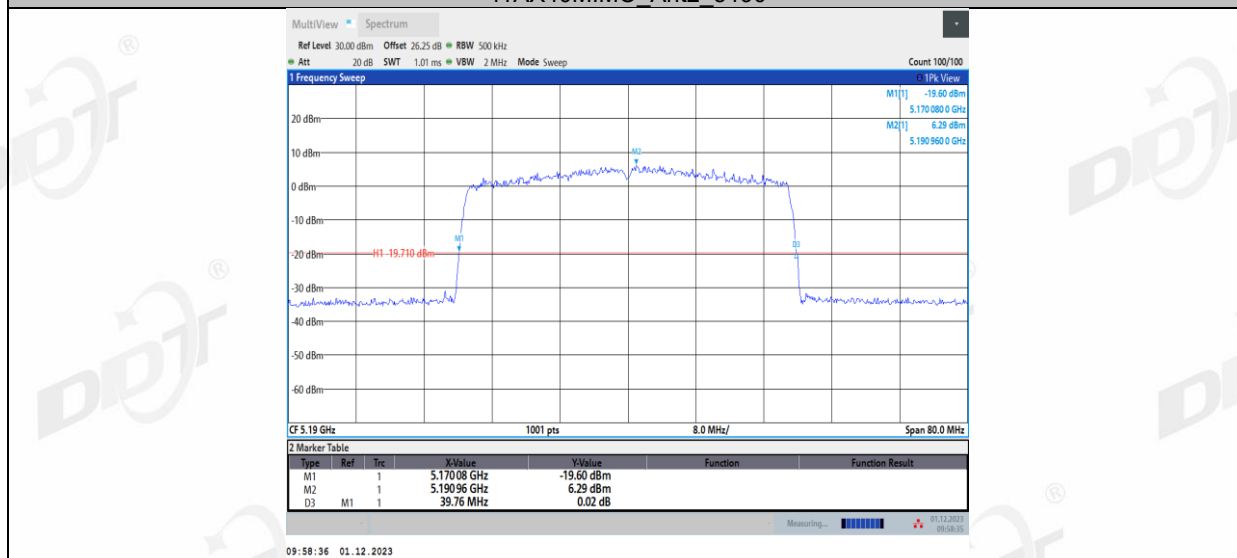
11AX20MIMO_Ant2_5825



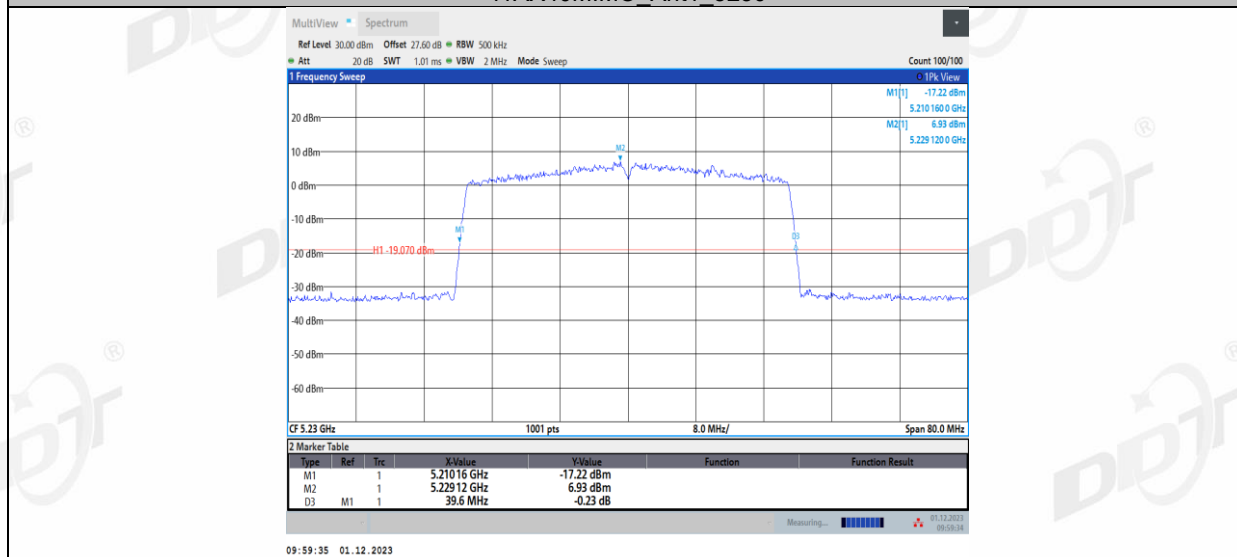
11AX40MIMO_Ant1_5190



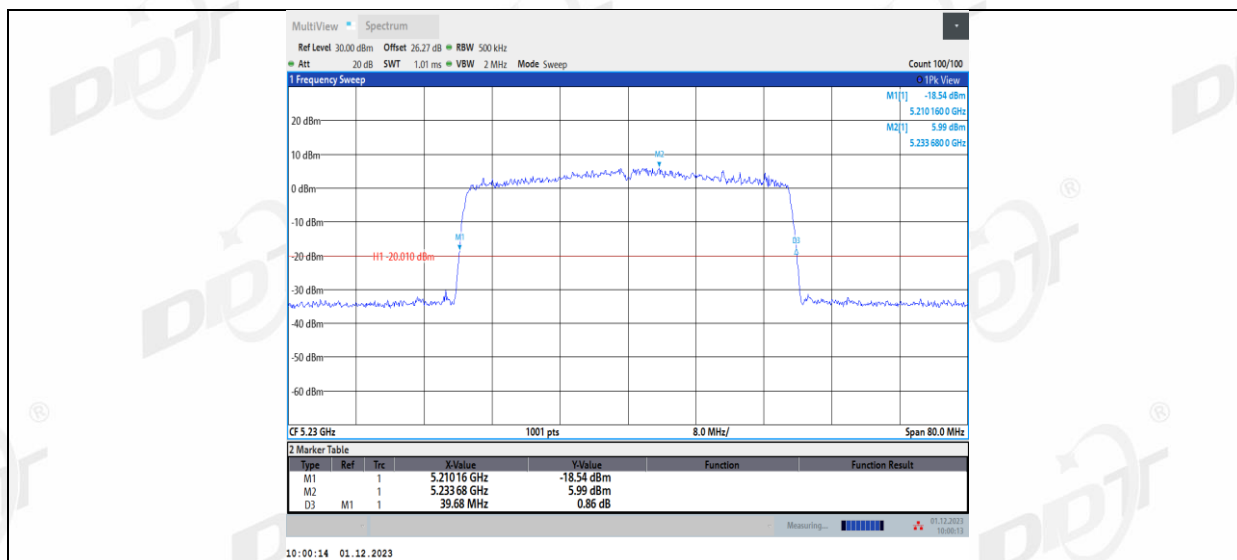
11AX40MIMO_Ant2_5190



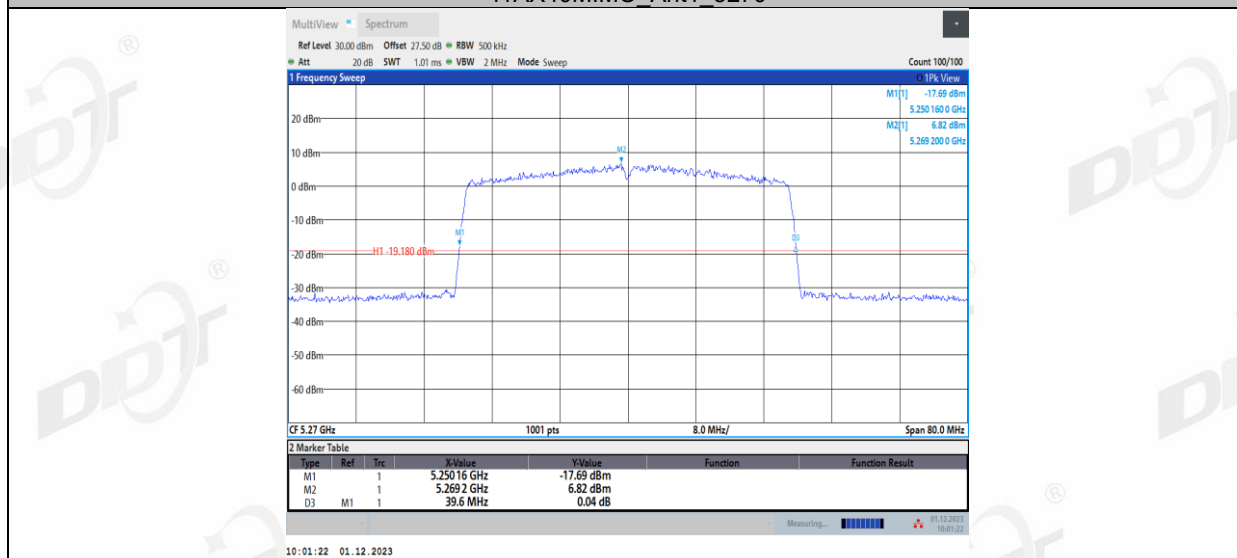
11AX40MIMO_Ant1_5230



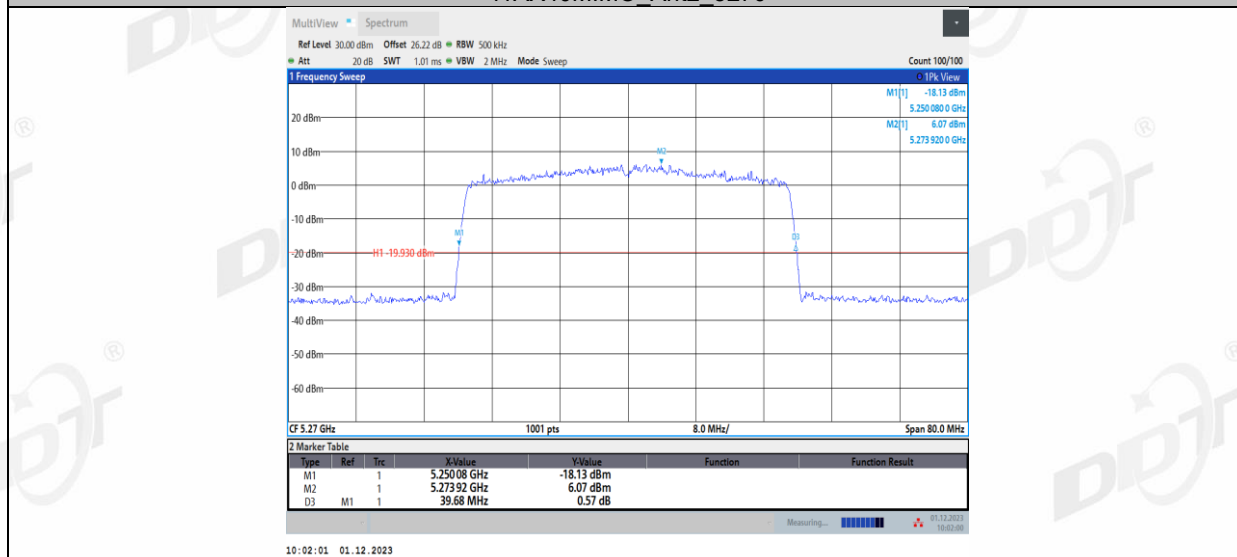
11AX40MIMO_Ant2_5230



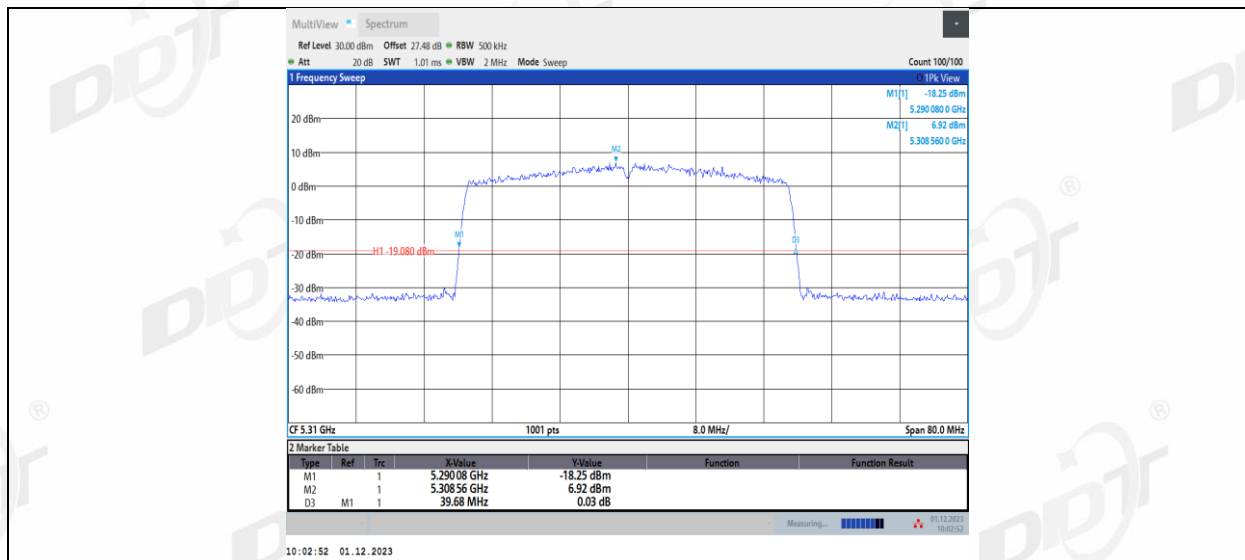
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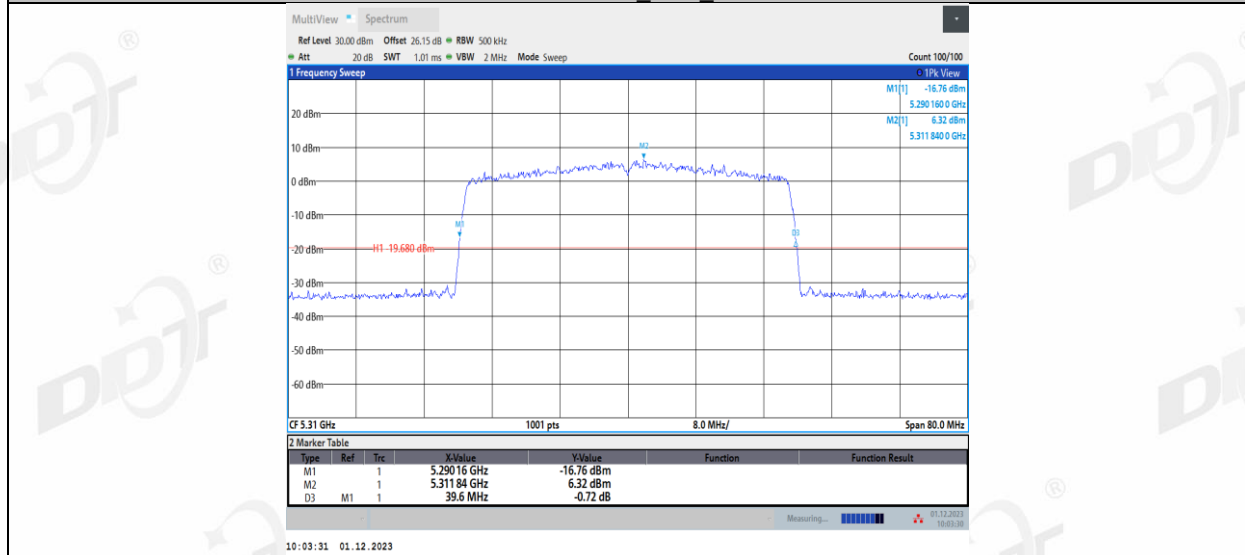
11AX40MIMO_Ant2_5270



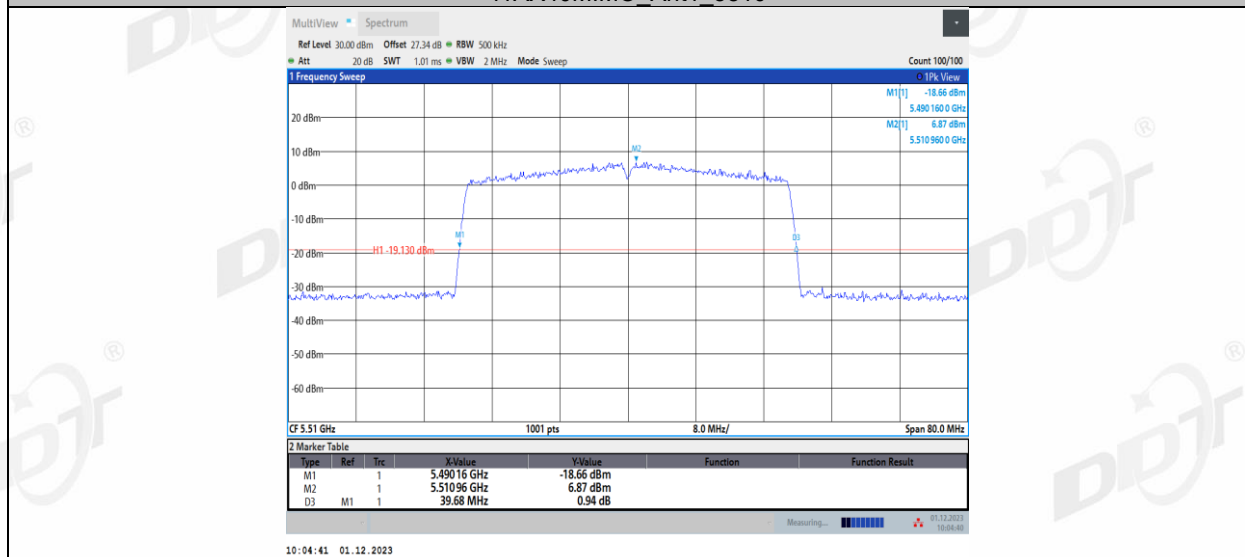
11AX40MIMO_Ant1_5310



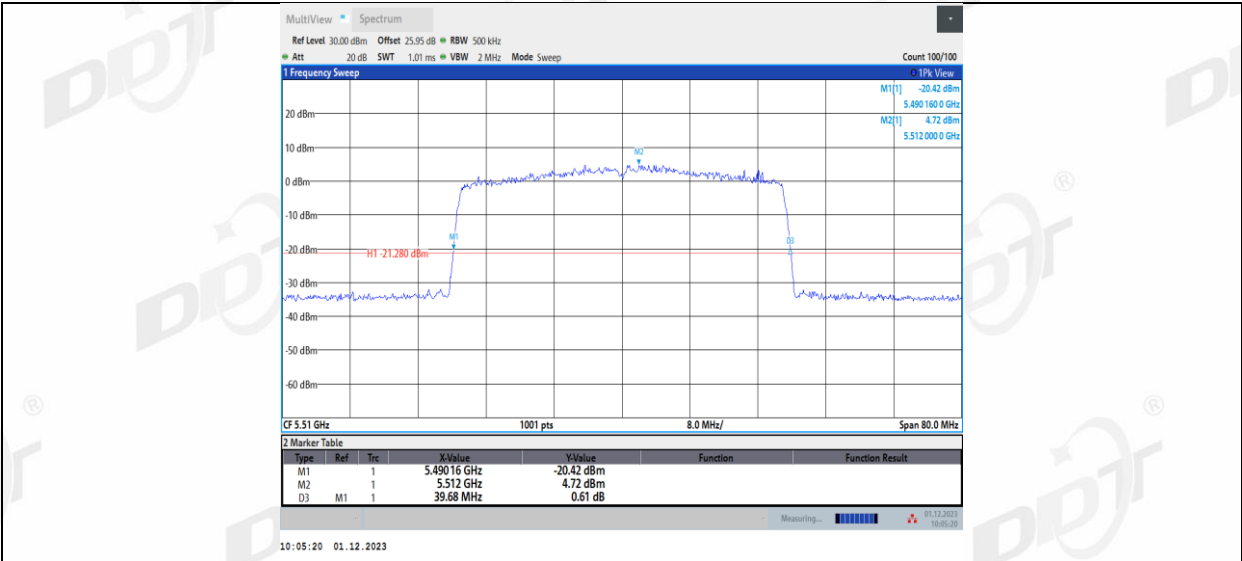
11AX40MIMO_Ant2_5310



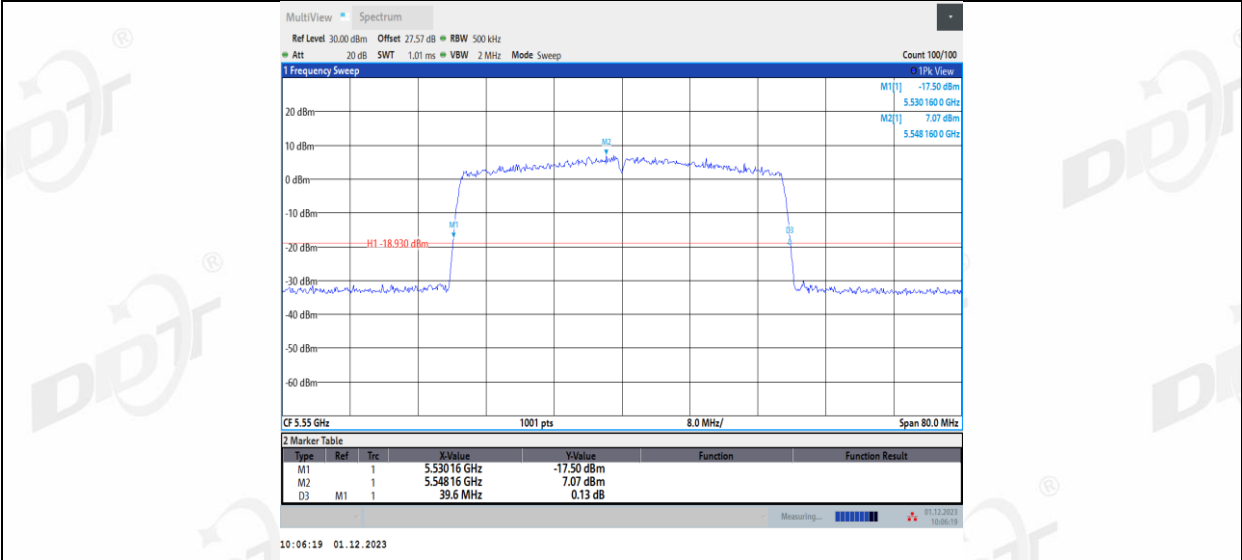
11AX40MIMO_Ant1_5510



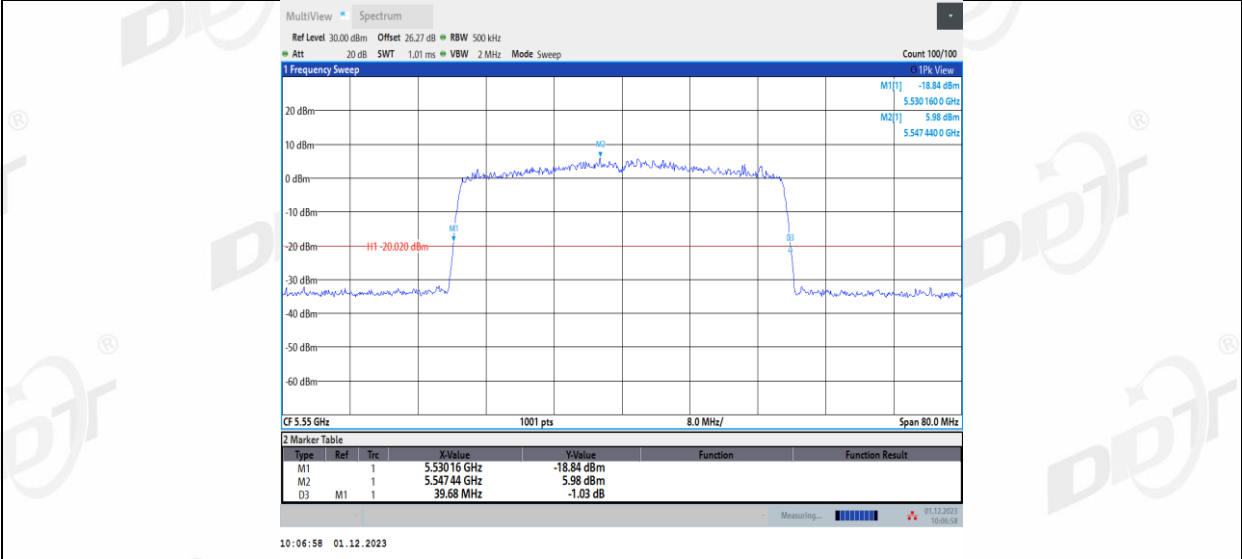
11AX40MIMO_Ant2_5510



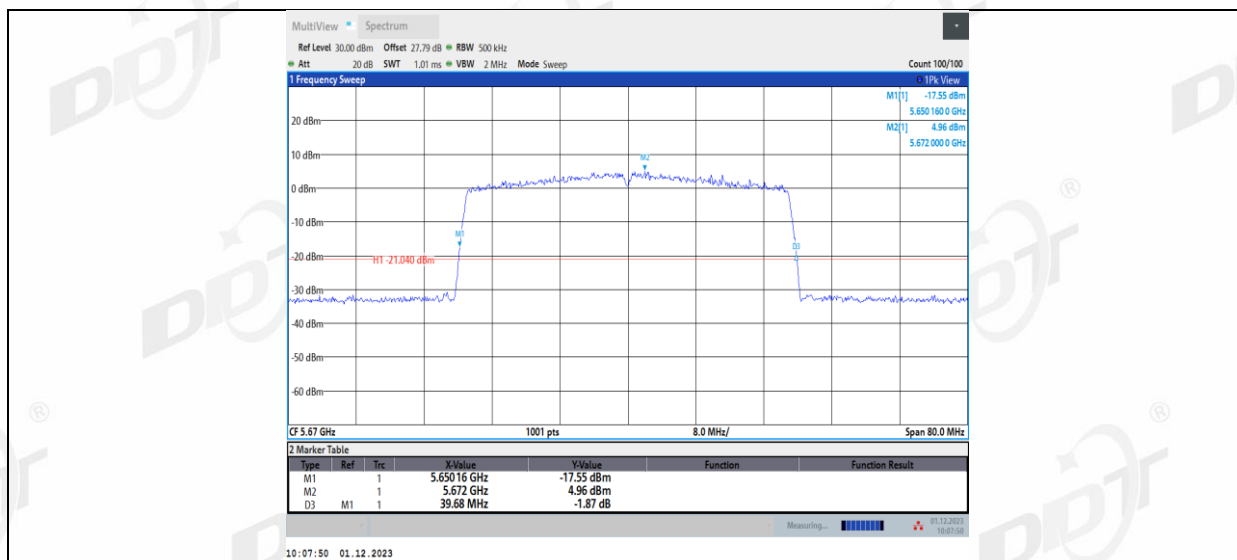
11AX40MIMO_Ant1_5550



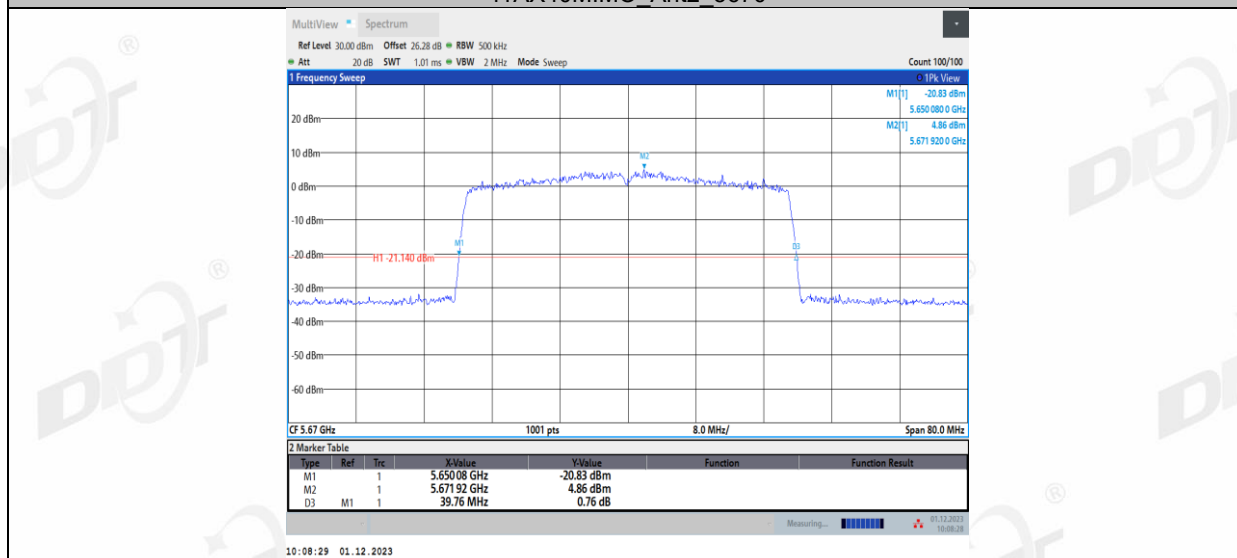
11AX40MIMO_Ant2_5550



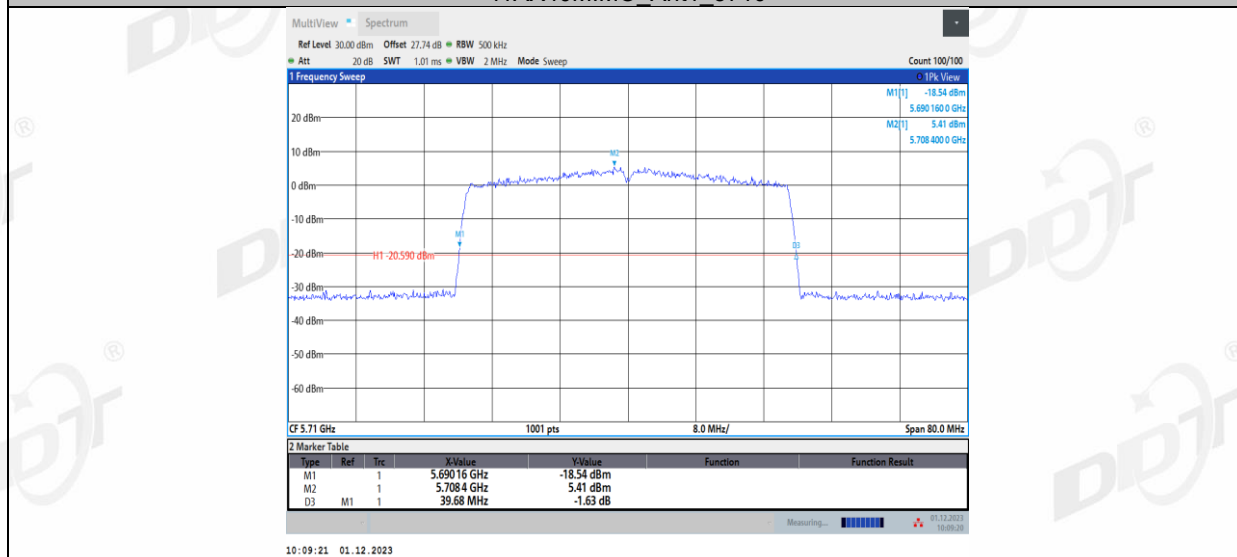
11AX40MIMO_Ant1_5670



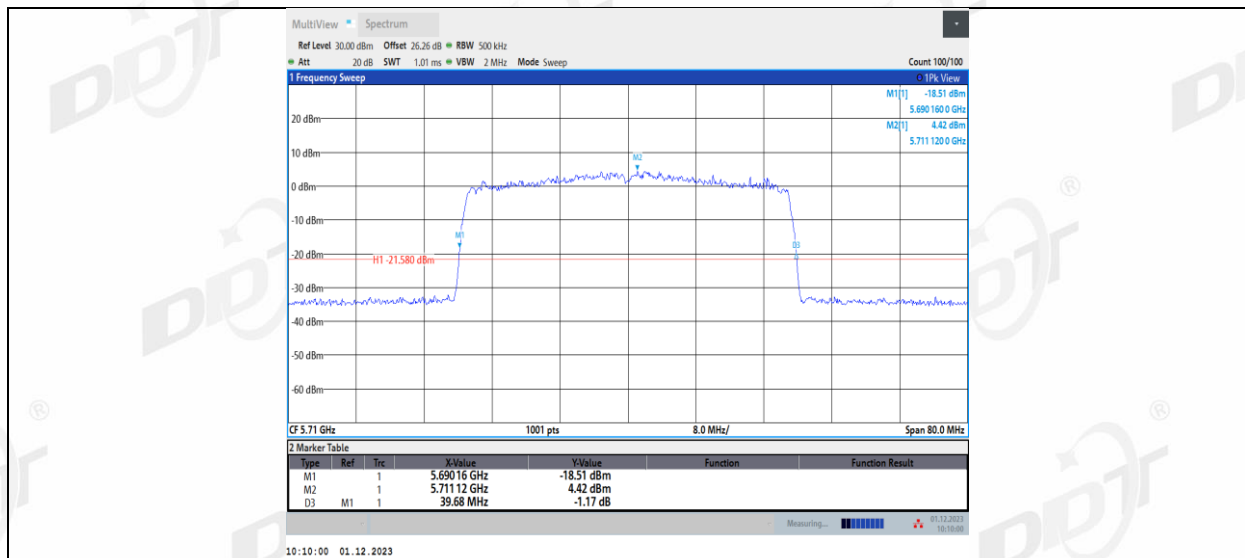
11AX40MIMO_Ant2_5670



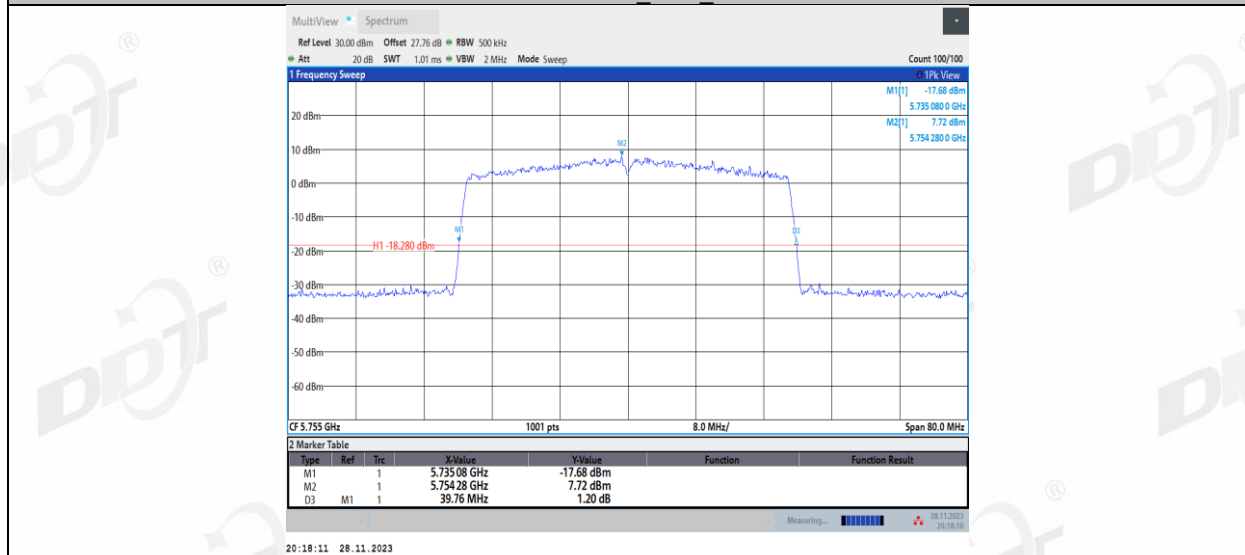
11AX40MIMO_Ant1_5710



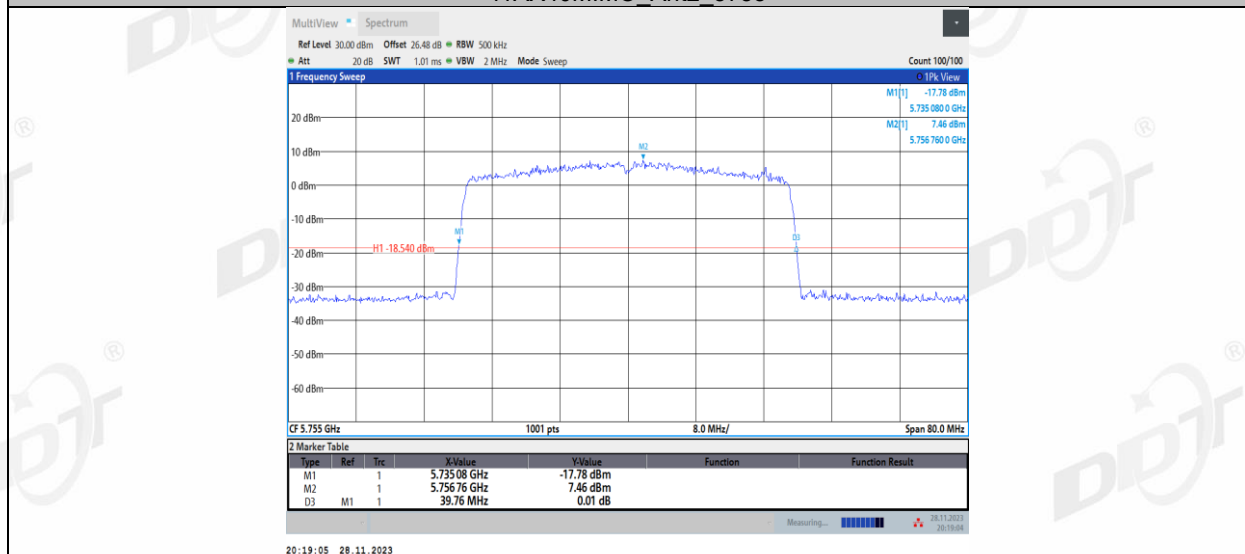
11AX40MIMO_Ant2_5710



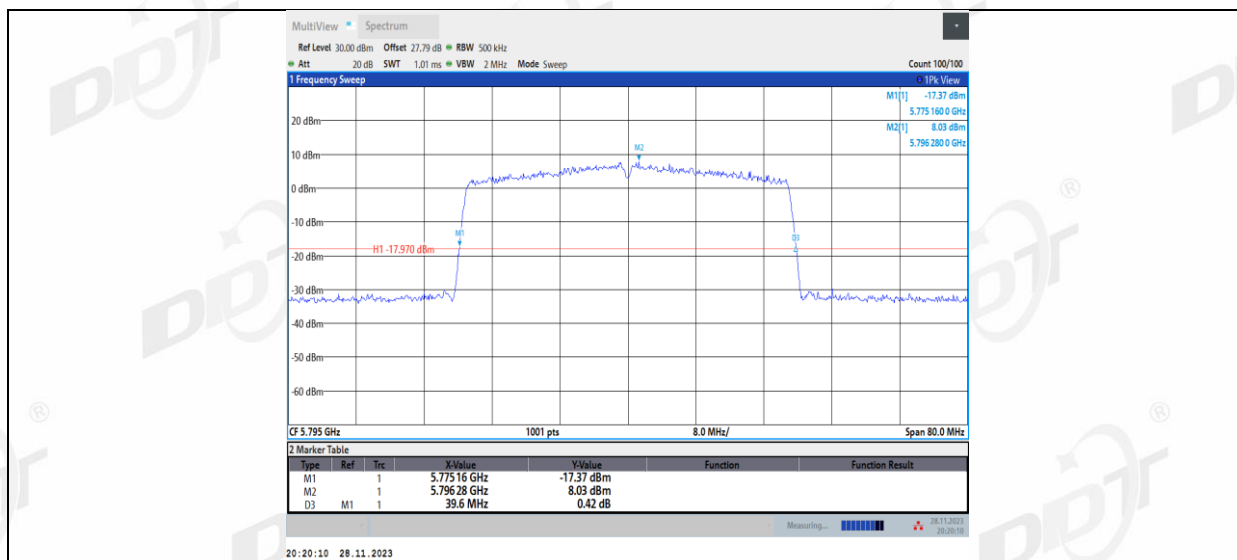
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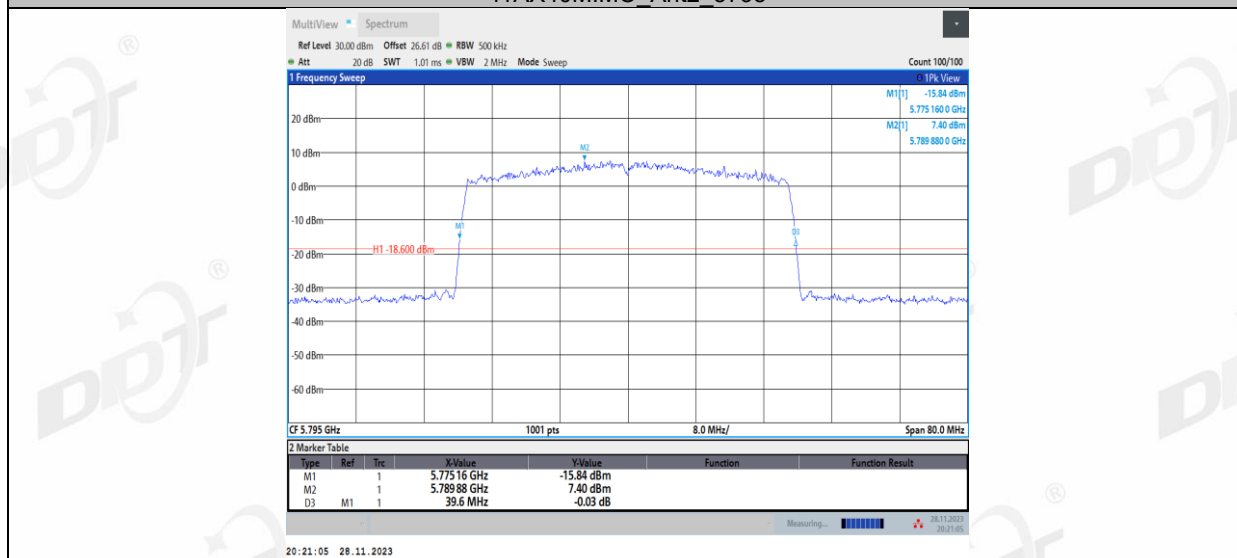
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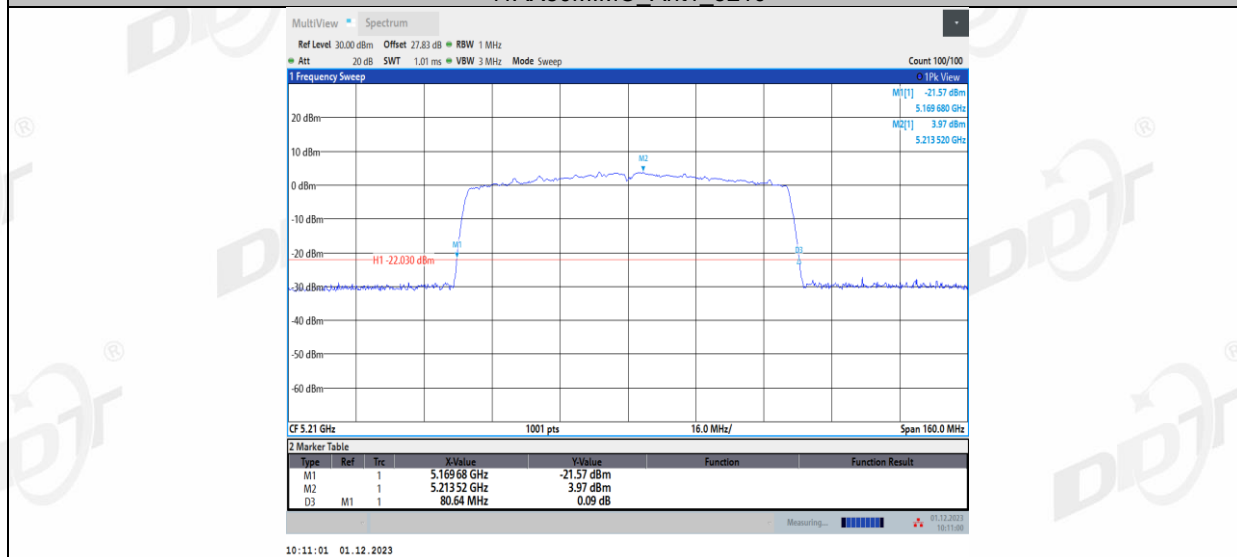
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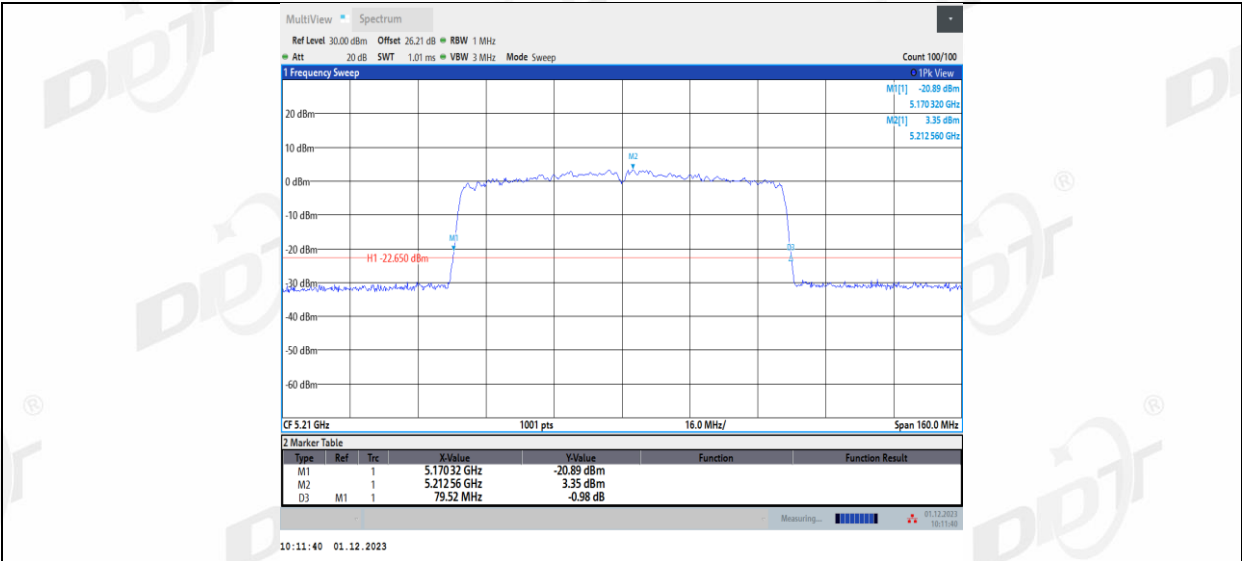
11AX40MIMO_Ant2_5795



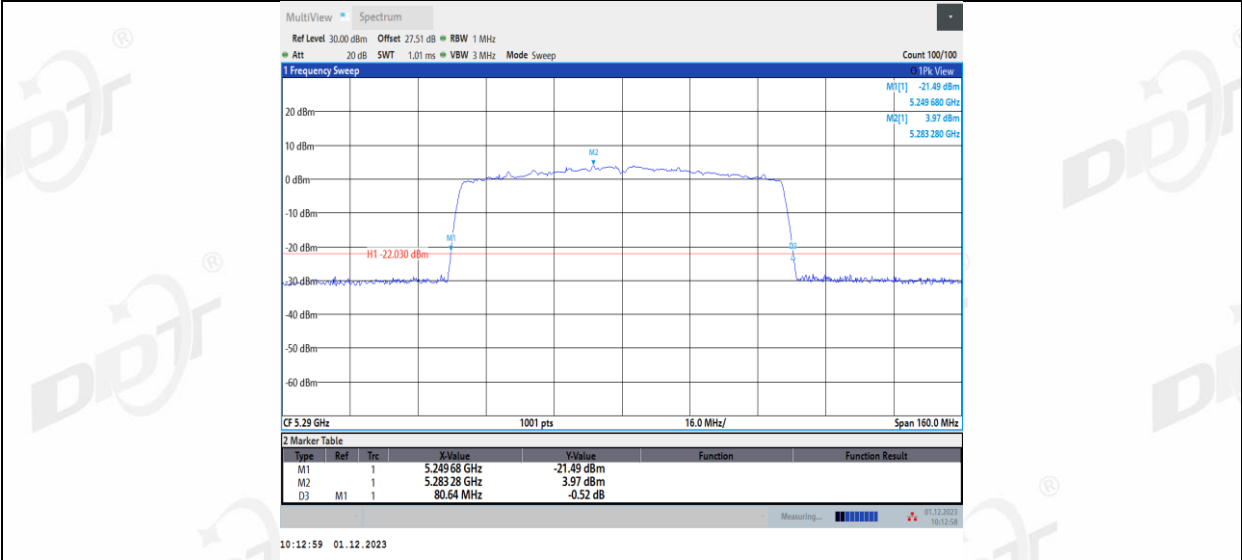
11AX80MIMO_Ant1_5210



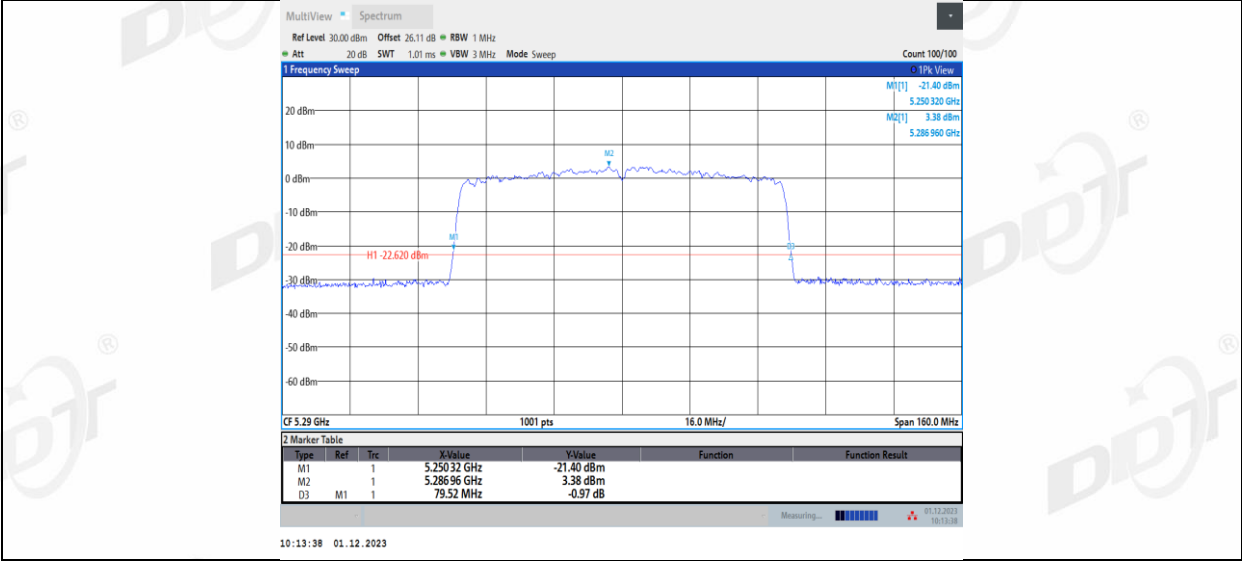
11AX80MIMO_Ant2_5210



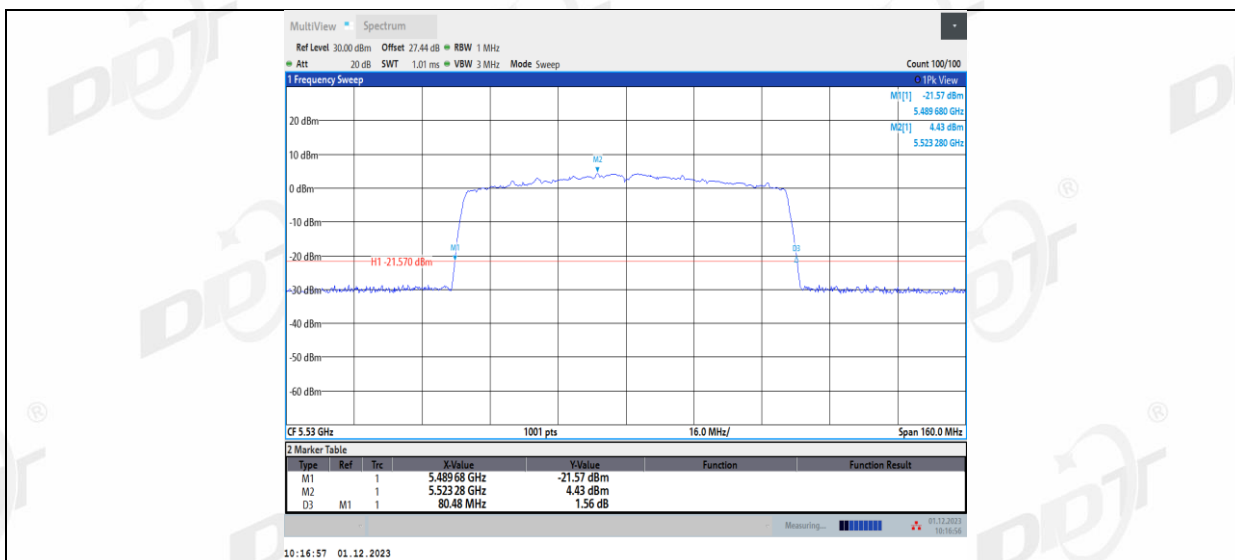
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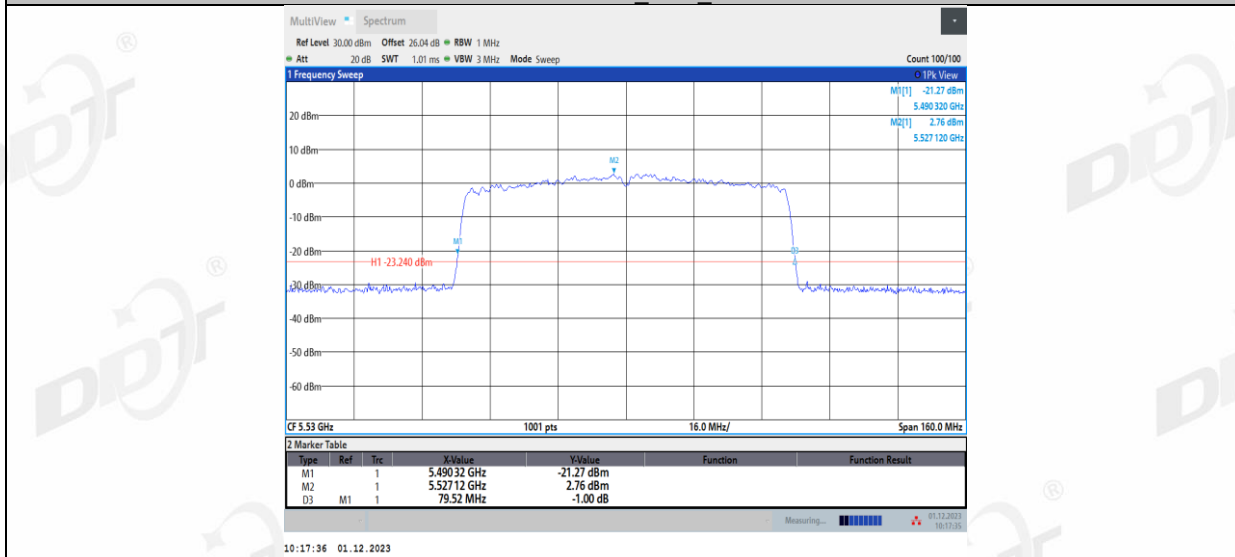
11AX80MIMO_Ant2_5290



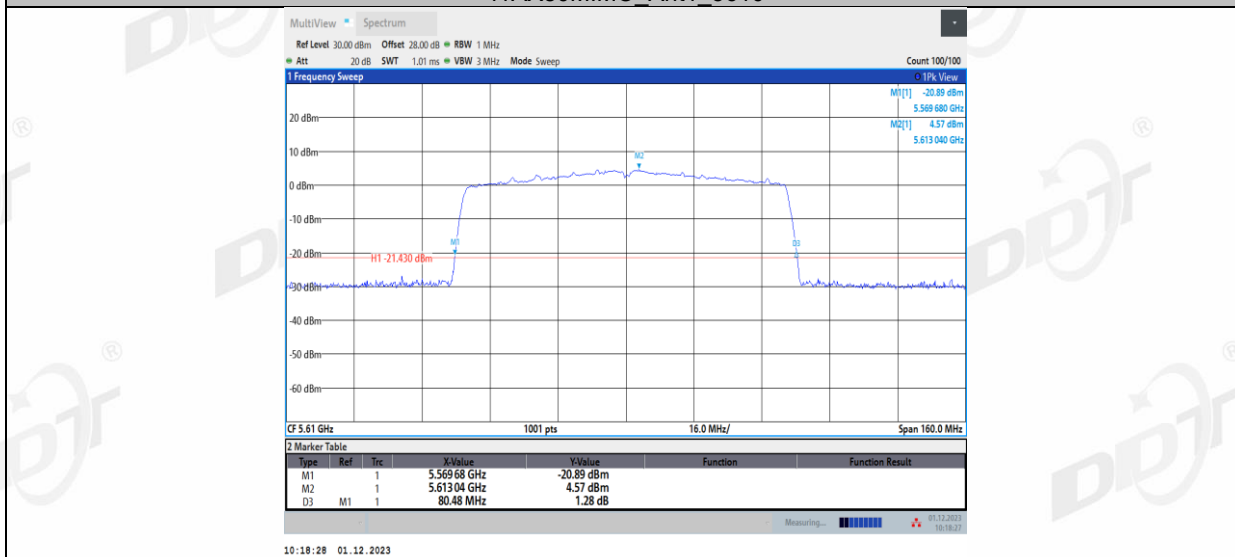
11AX80MIMO_Ant1_5530



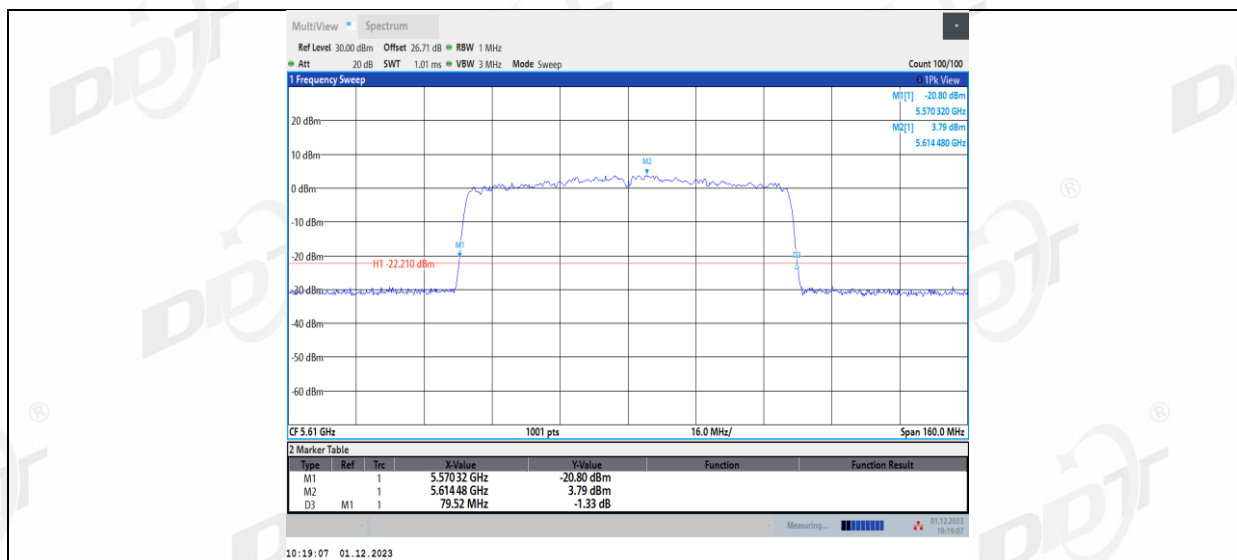
11AX80MIMO_Ant2_5530



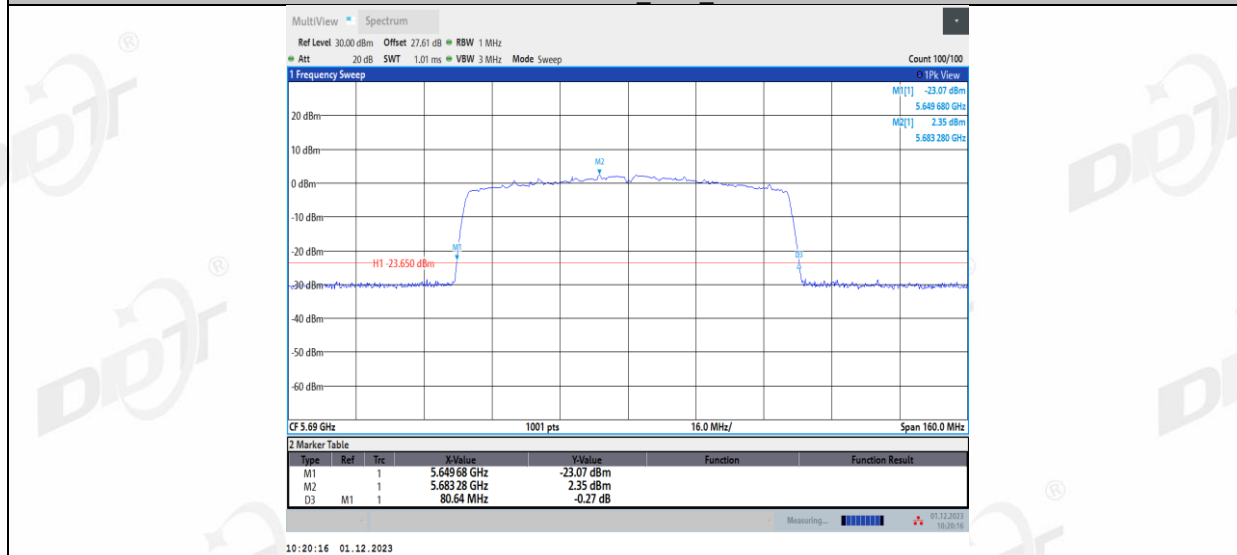
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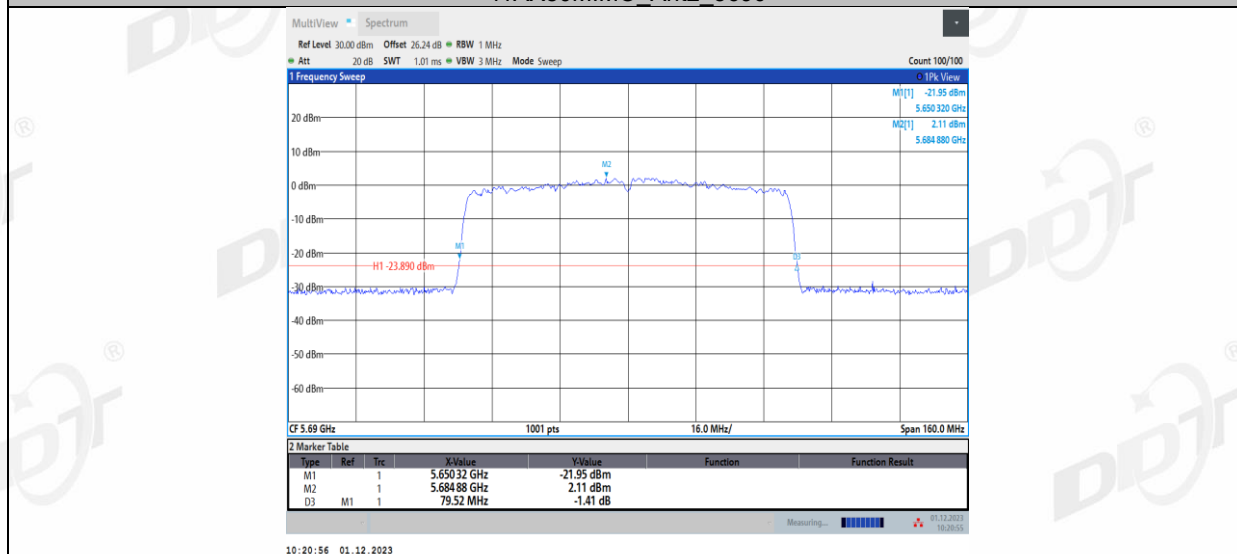
11AX80MIMO_Ant2_5610



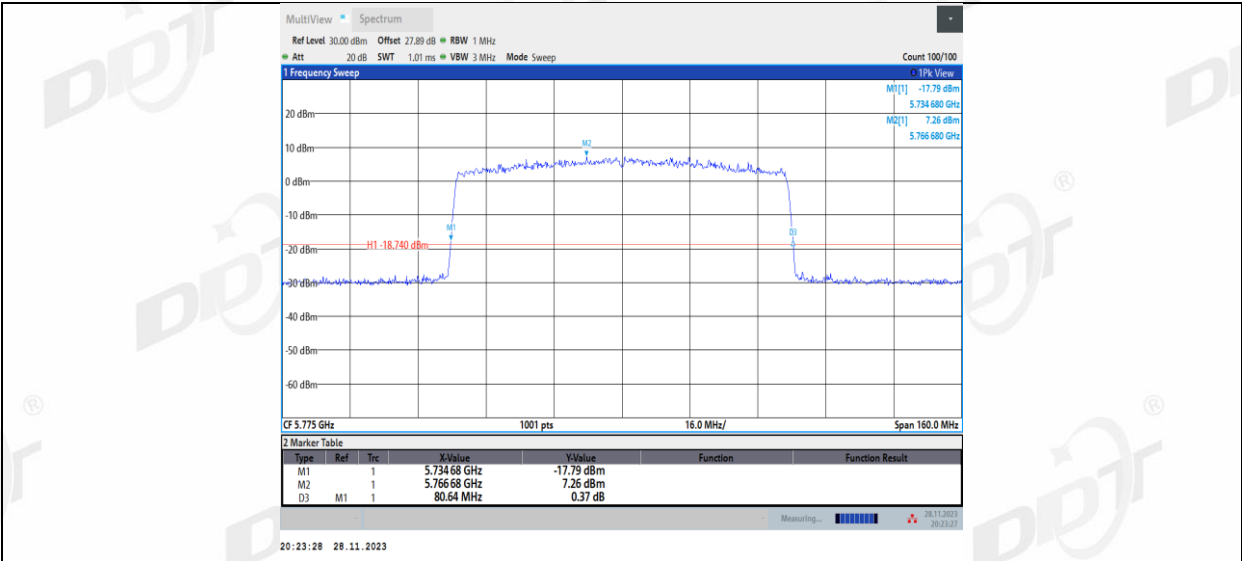
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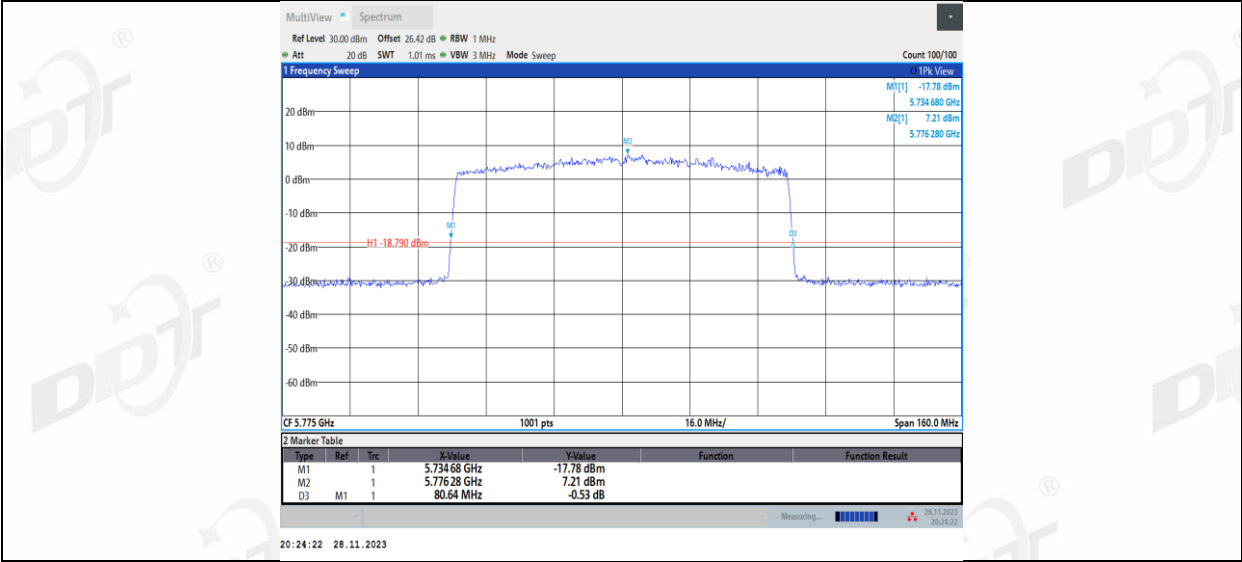
11AX80MIMO_Ant2_5690



11AX80MIMO_Ant1_5775

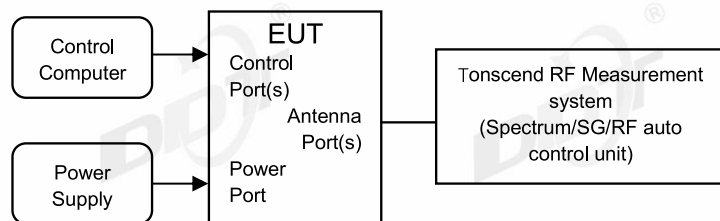


11AX80MIMO_Ant2_5775



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

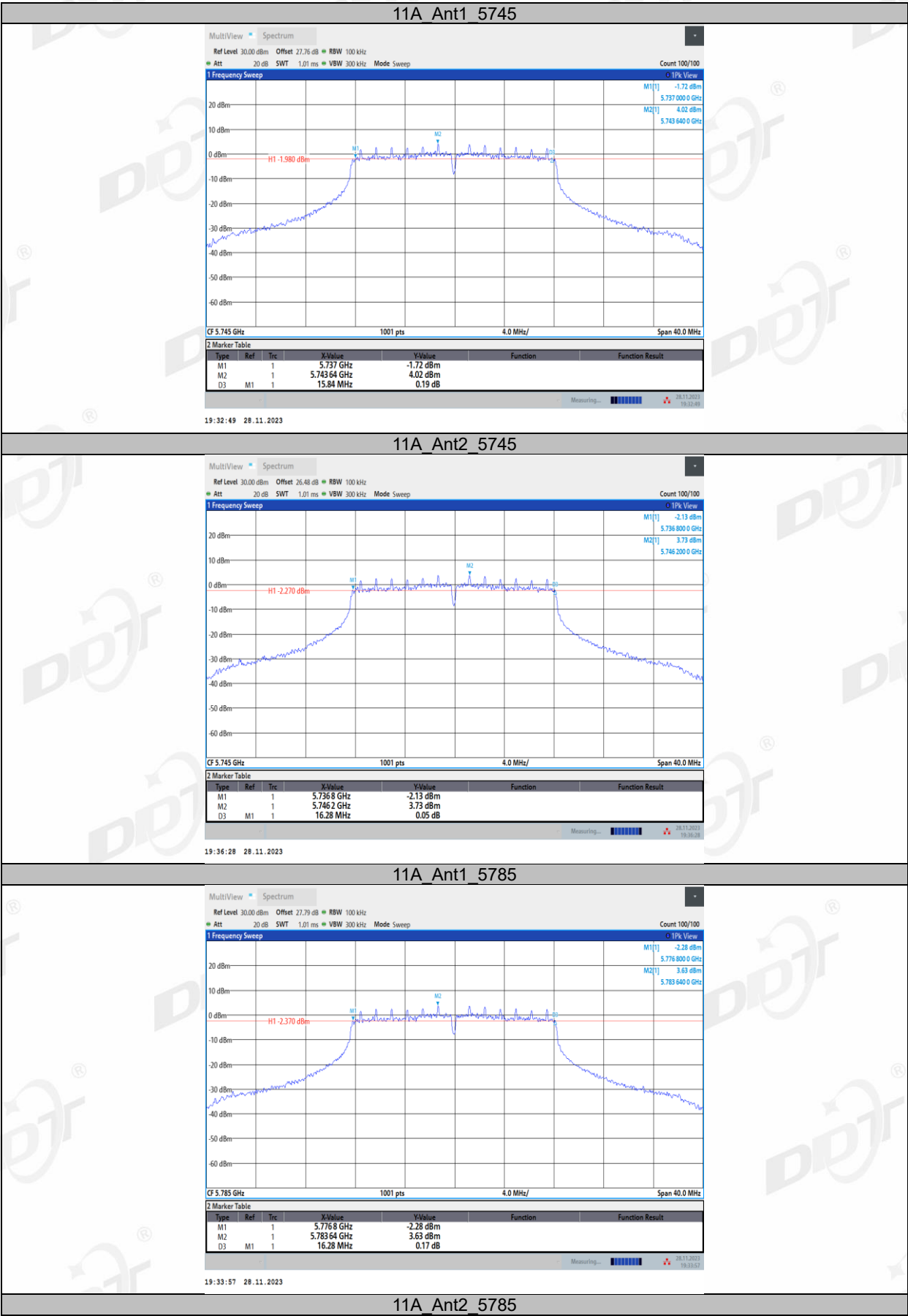
Allow the trace to stabilize, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

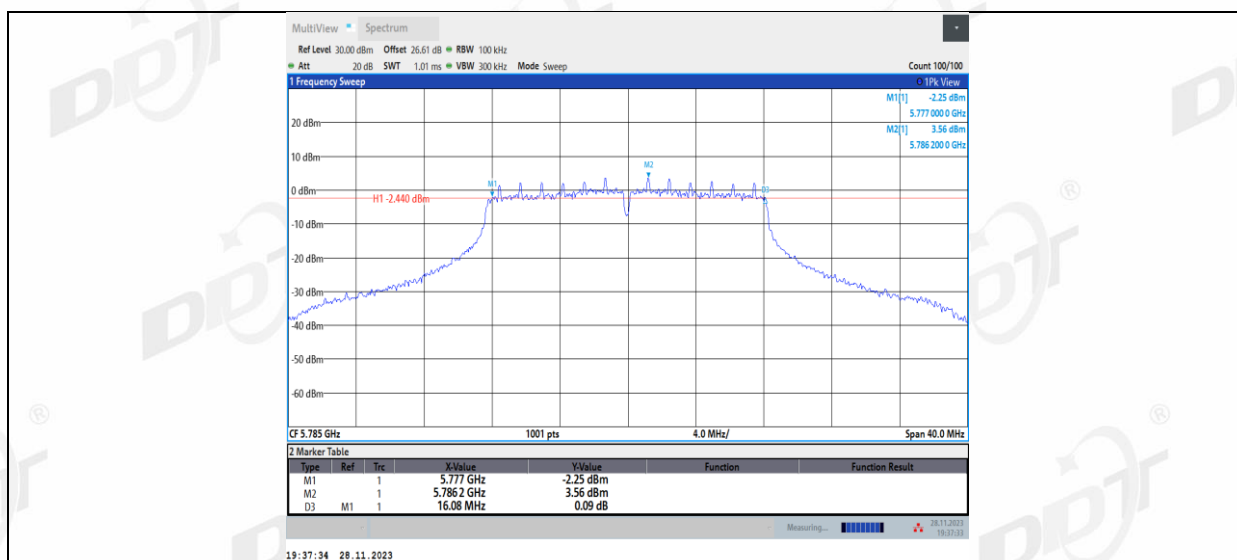
5.4. Test result

Test Engineer:	Haofeng	Test Site:	RF Measurement System 4#
Ambient Condition:	20.4-25.1℃,32.2-50.2%RH	Test Date:	2023.11.25-2023.11.28/2024.02.01-2024.02.02
Test Power Supply:	Battery	EUT:	Wireless Speaker
Sample Number:	S23111312-01	Model No.:	BOOMBOX3 Wi-Fi

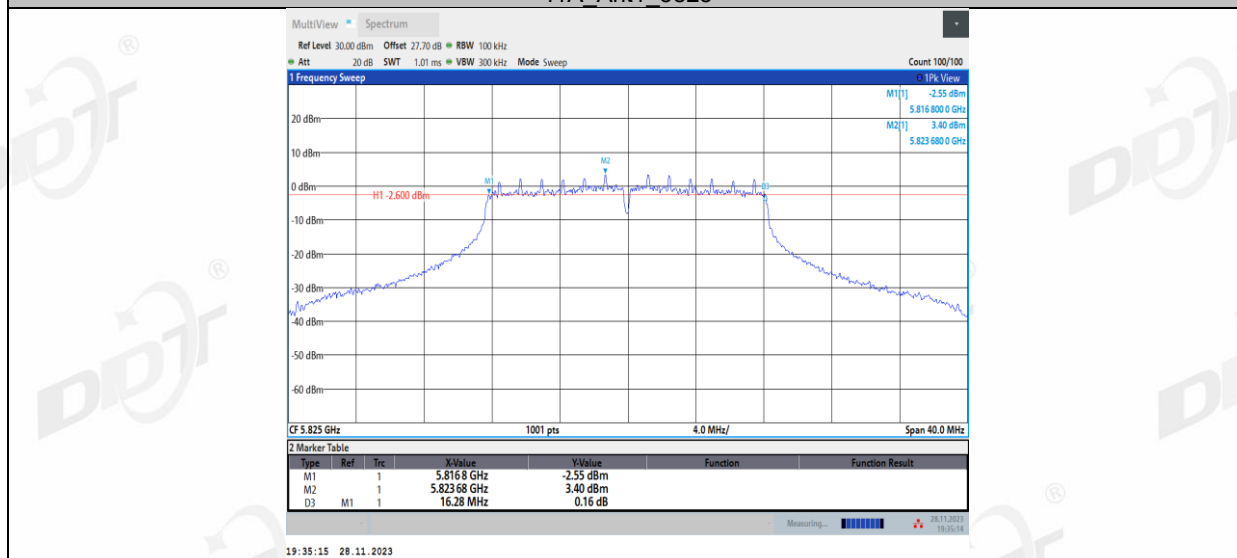
Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	15.84	5737.00	5752.84	0.5	PASS
	Ant2	5745	16.28	5736.80	5753.08	0.5	PASS
	Ant1	5785	16.28	5776.80	5793.08	0.5	PASS
	Ant2	5785	16.08	5777.00	5793.08	0.5	PASS
	Ant1	5825	16.28	5816.80	5833.08	0.5	PASS
	Ant2	5825	16.28	5816.80	5833.08	0.5	PASS
11N20MIMO	Ant1	5745	16.56	5736.76	5753.32	0.5	PASS
	Ant2	5745	17.60	5736.12	5753.72	0.5	PASS
	Ant1	5785	16.56	5776.76	5793.32	0.5	PASS
	Ant2	5785	17.60	5776.12	5793.72	0.5	PASS
	Ant1	5825	17.16	5816.52	5833.68	0.5	PASS
	Ant2	5825	17.60	5816.12	5833.72	0.5	PASS
11N40MIMO	Ant1	5755	35.12	5737.40	5772.52	0.5	PASS
	Ant2	5755	35.12	5737.40	5772.52	0.5	PASS
	Ant1	5795	35.12	5777.40	5812.52	0.5	PASS
	Ant2	5795	35.04	5777.48	5812.52	0.5	PASS
11AC20MIMO	Ant1	5745	16.92	5736.40	5753.32	0.5	PASS
	Ant2	5745	17.60	5736.12	5753.72	0.5	PASS
	Ant1	5785	17.04	5776.40	5793.44	0.5	PASS
	Ant2	5785	17.60	5776.12	5793.72	0.5	PASS
	Ant1	5825	17.04	5816.40	5833.44	0.5	PASS
	Ant2	5825	17.60	5816.12	5833.72	0.5	PASS
11AC40MIMO	Ant1	5755	35.12	5737.40	5772.52	0.5	PASS
	Ant2	5755	35.12	5737.40	5772.52	0.5	PASS
	Ant1	5795	35.04	5777.48	5812.52	0.5	PASS
	Ant2	5795	35.04	5777.48	5812.52	0.5	PASS
11AC80MIMO	Ant1	5775	75.20	5737.40	5812.60	0.5	PASS
	Ant2	5775	75.20	5737.40	5812.60	0.5	PASS
11AX20MIMO	Ant1	5745	18.84	5735.48	5754.32	0.5	PASS
	Ant2	5745	18.96	5735.40	5754.36	0.5	PASS
	Ant1	5785	18.84	5775.52	5794.36	0.5	PASS
	Ant2	5785	19.04	5775.40	5794.44	0.5	PASS
	Ant1	5825	18.84	5815.48	5834.32	0.5	PASS
	Ant2	5825	18.92	5815.40	5834.32	0.5	PASS
11AX40MIMO	Ant1	5755	35.12	5737.40	5772.52	0.5	PASS
	Ant2	5755	35.12	5737.40	5772.52	0.5	PASS
	Ant1	5795	36.00	5777.40	5813.40	0.5	PASS
	Ant2	5795	35.12	5777.40	5812.52	0.5	PASS
11AX80MIMO	Ant1	5775	75.84	5736.92	5812.76	0.5	PASS
	Ant2	5775	75.36	5737.24	5812.60	0.5	PASS

5.5. Test graphs

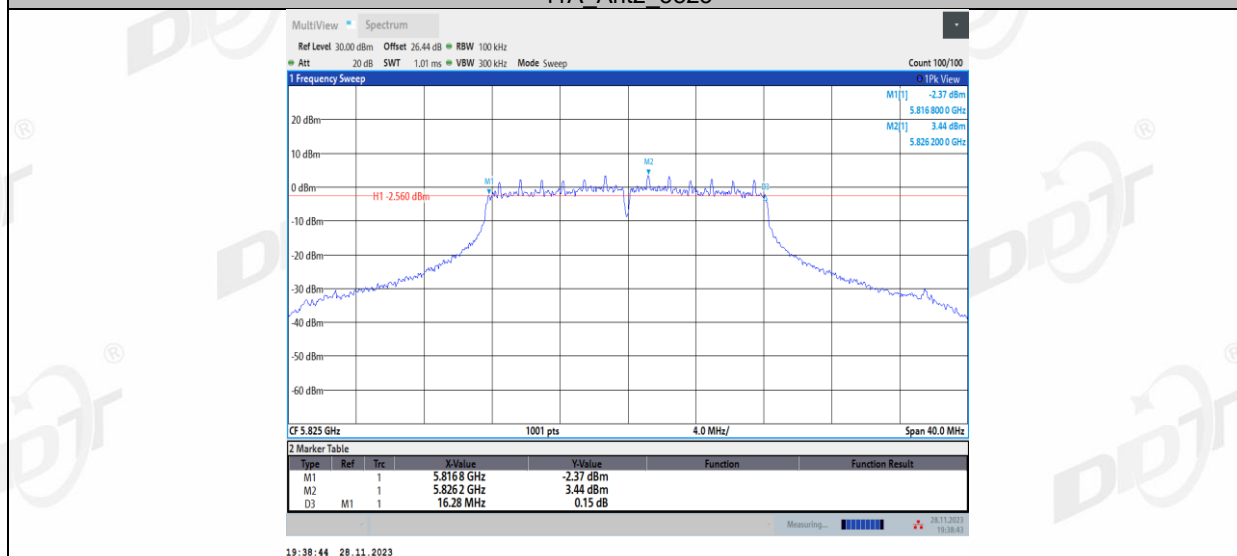




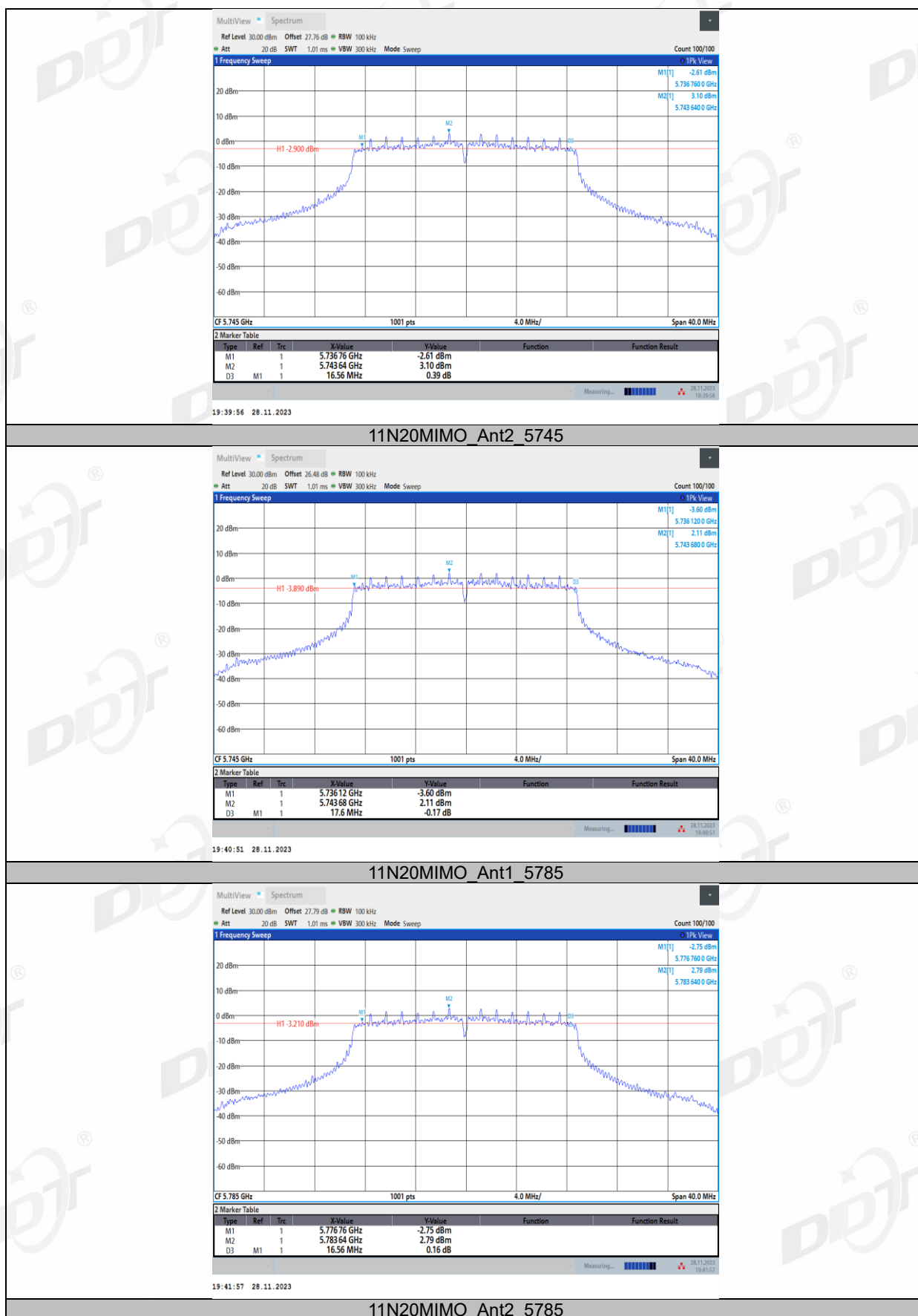
11A_Ant1_5825

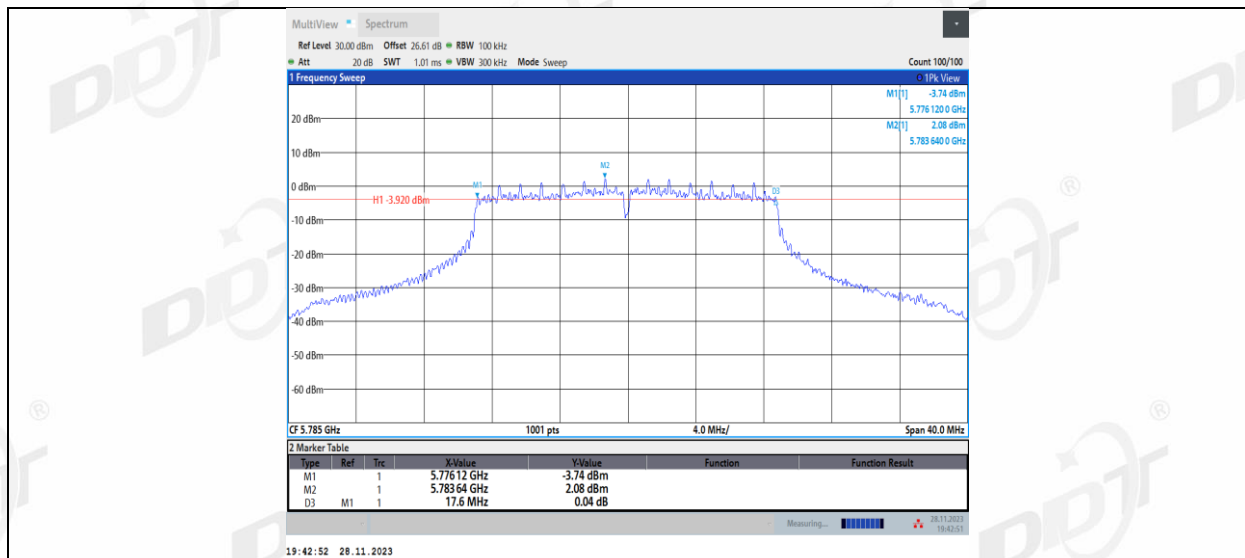


11A_Ant2_5825

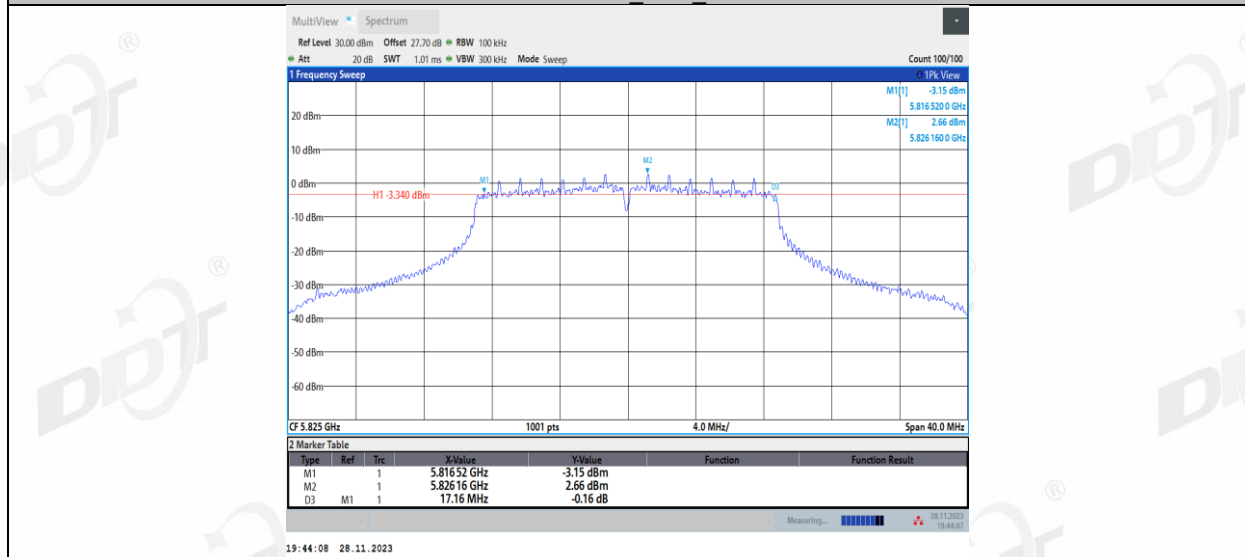


11N20MIMO_Ant1_5745

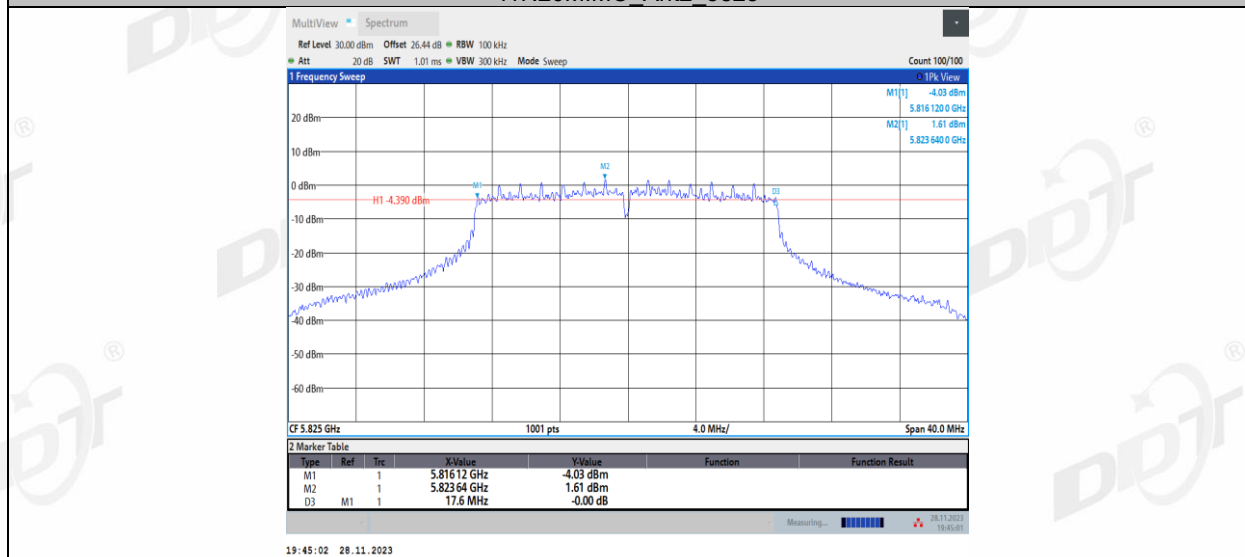




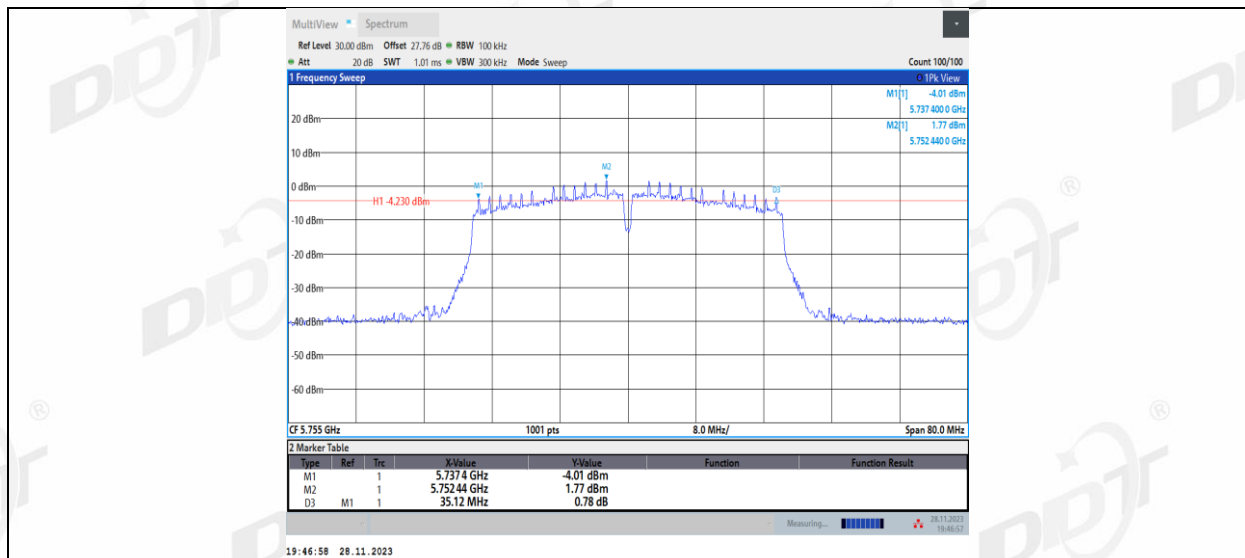
11N20MIMO_Ant1_5825



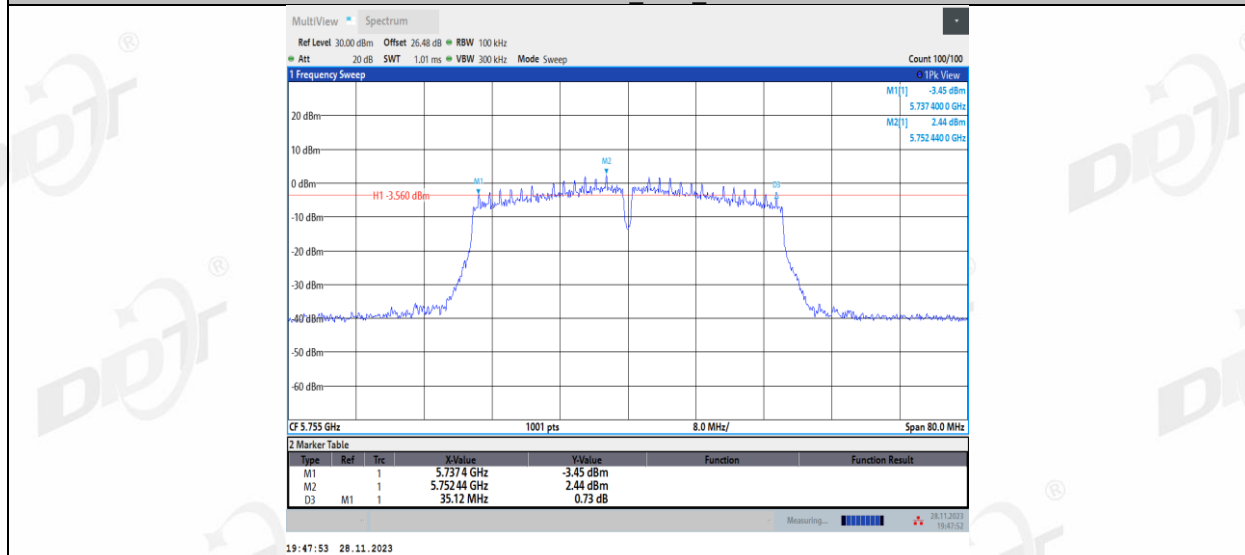
11N20MIMO_Ant2_5825



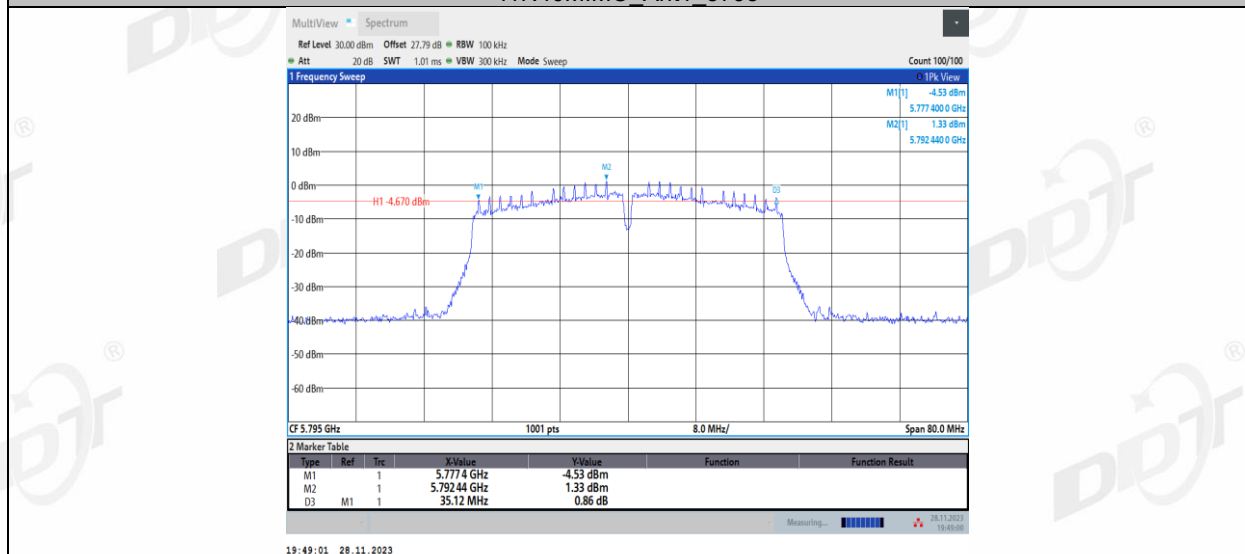
11N40MIMO_Ant1_5755



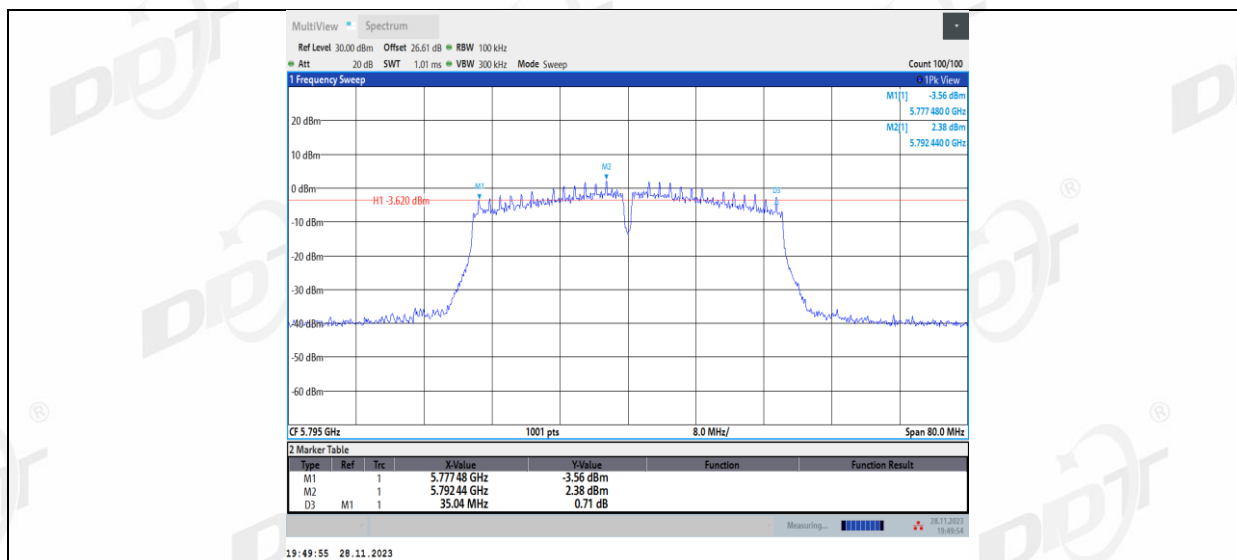
11N40MIMO_Ant2_5755



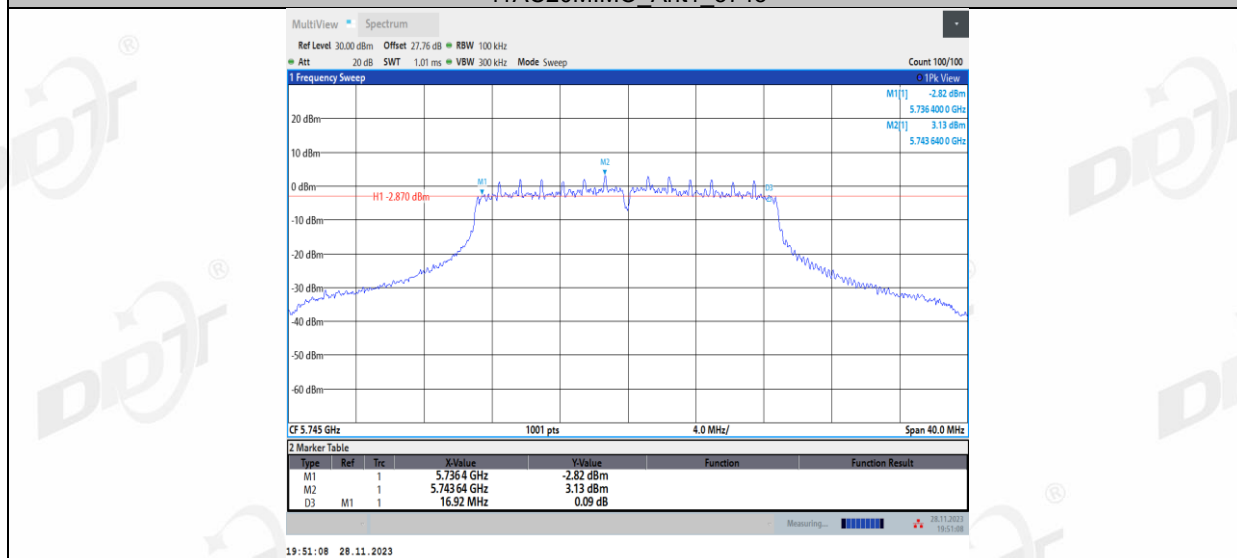
11N40MIMO_Ant1_5795



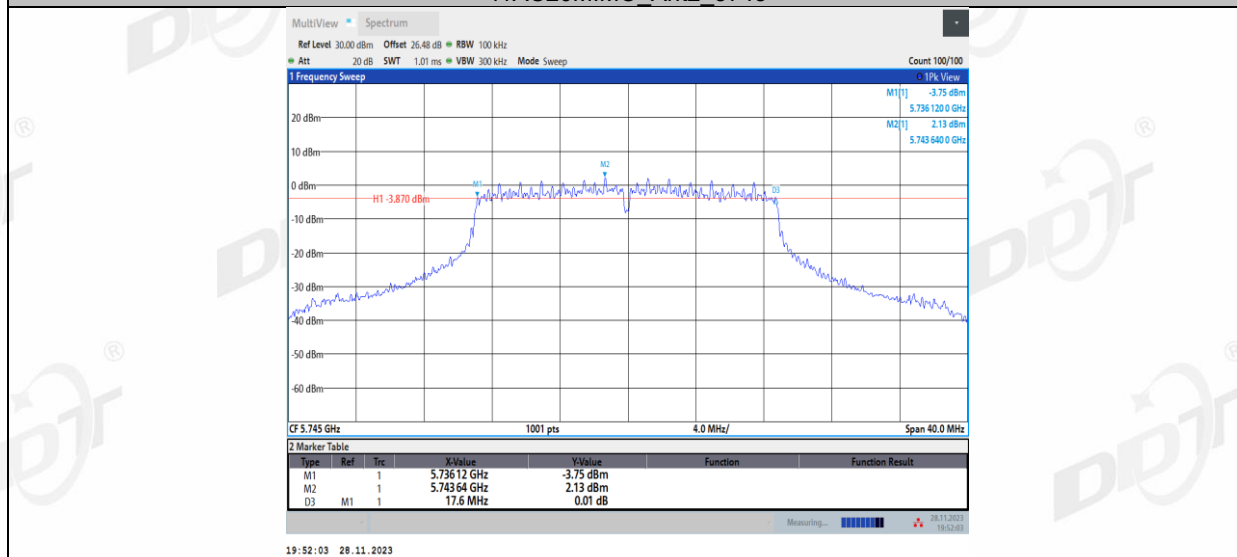
11N40MIMO_Ant2_5795



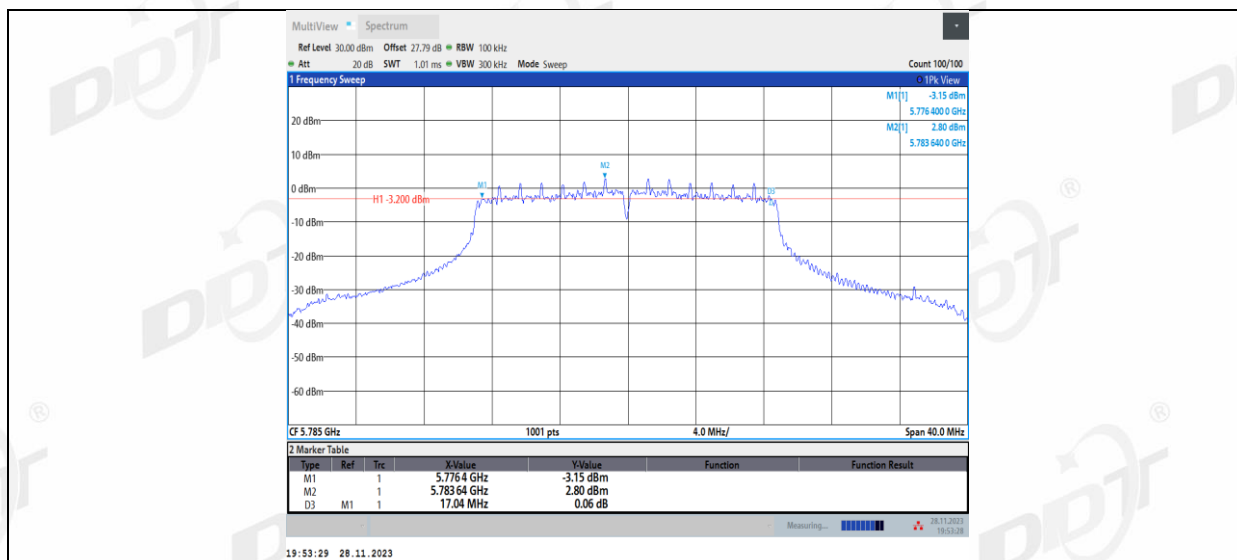
11AC20MIMO_Ant1_5745



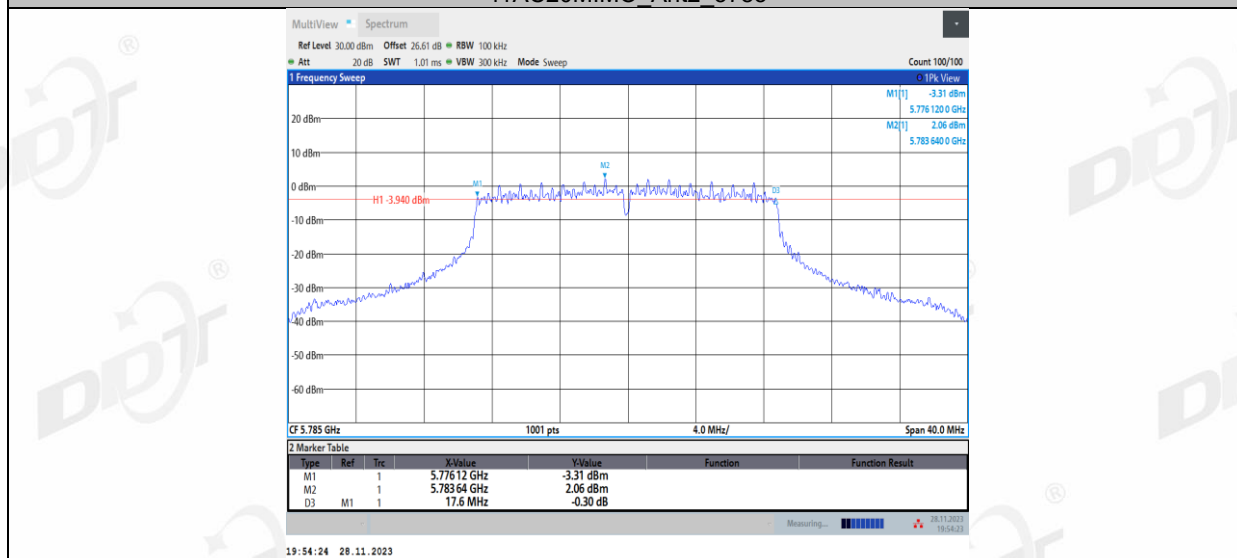
11AC20MIMO_Ant2_5745



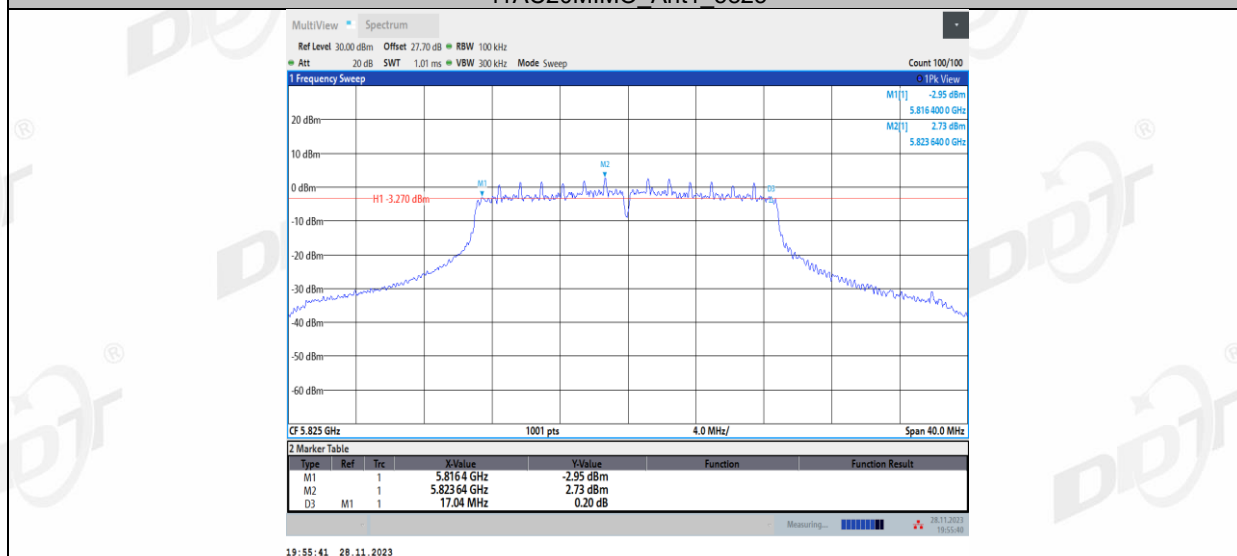
11AC20MIMO_Ant1_5785



11AC20MIMO_Ant2_5785



11AC20MIMO_Ant1_5825



11AC20MIMO_Ant2_5825