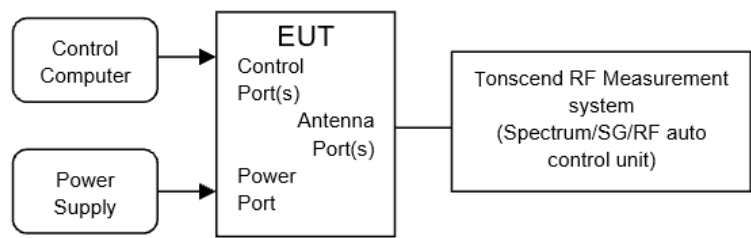


5. 6dB Bandwidth

5.1. Block diagram of test setup



5.2. Limits

FCC Part15, Subpart E		
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

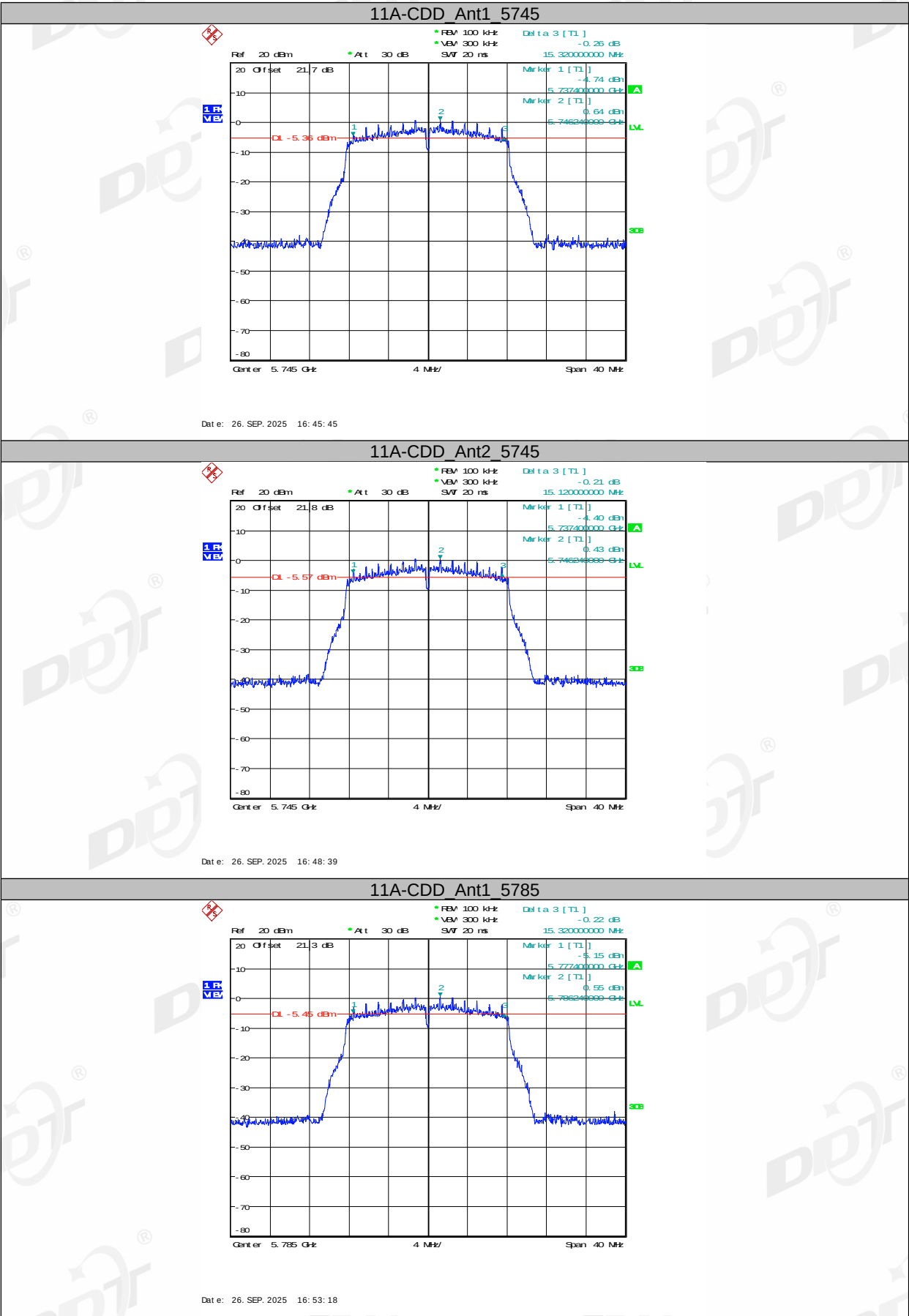
Allow the trace to stabilize, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

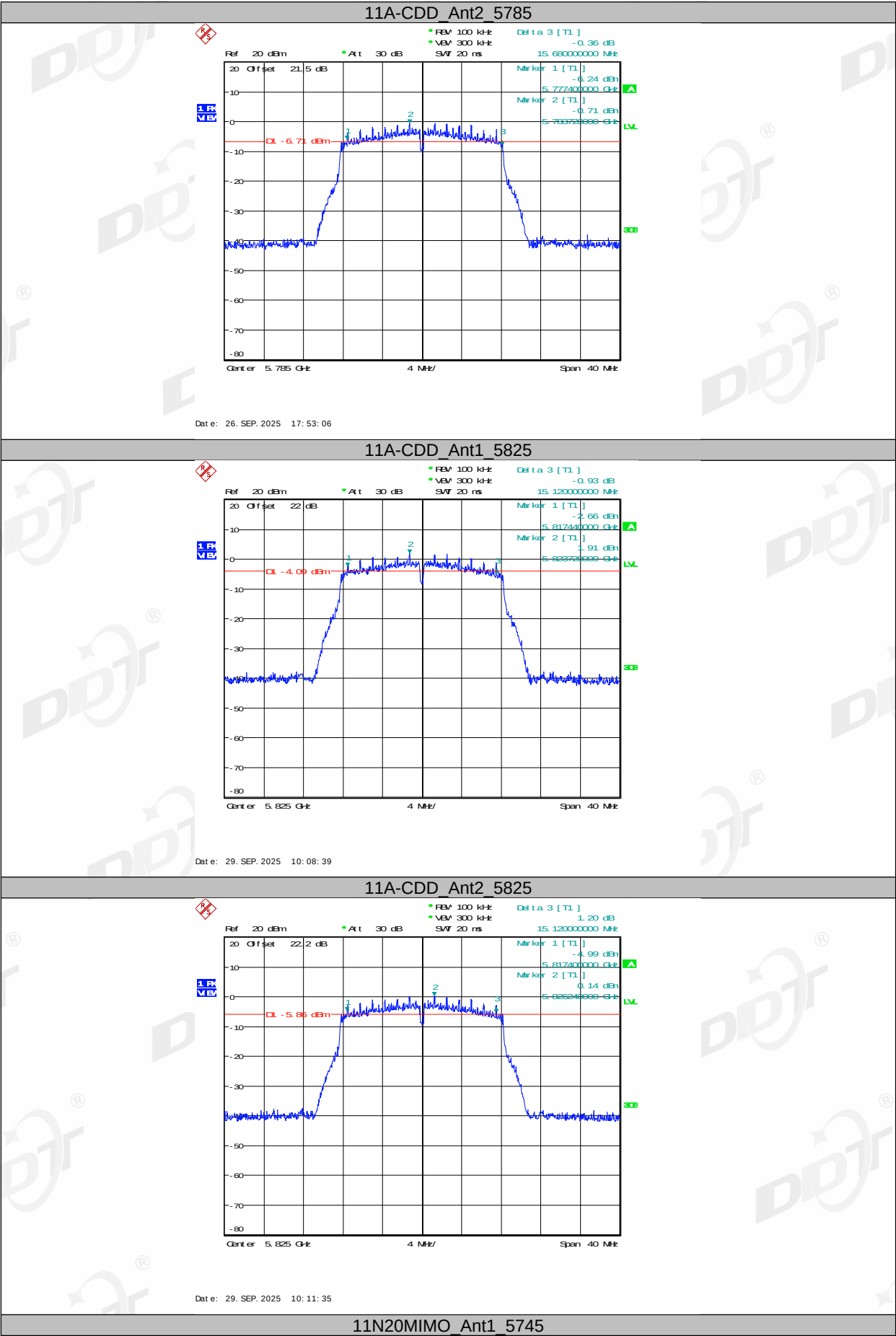
5.4. Test result B4

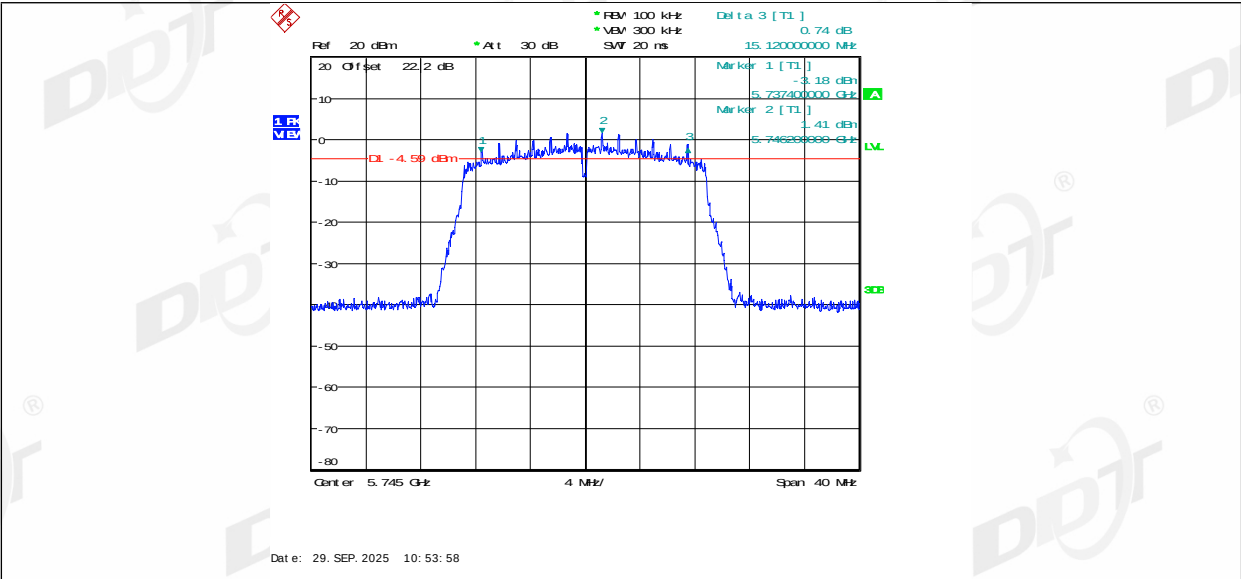
Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 1#
Ambient Condition:	28.6℃,40.1%RH	Test Date:	2025.09.26-2025.12.25
Test Power Supply:	AC120V/60Hz	Sample Number:	S25082809-001

Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5745	15.32	5737.40	5752.72	0.5	PASS
	Ant2	5745	15.12	5737.40	5752.52	0.5	PASS
	Ant1	5785	15.32	5777.40	5792.72	0.5	PASS
	Ant2	5785	15.68	5777.40	5793.08	0.5	PASS
	Ant1	5825	15.12	5817.44	5832.56	0.5	PASS
	Ant2	5825	15.12	5817.40	5832.52	0.5	PASS
11N20MIMO	Ant1	5745	15.12	5737.40	5752.52	0.5	PASS
	Ant2	5745	16.24	5736.84	5753.08	0.5	PASS
	Ant1	5785	15.12	5777.40	5792.52	0.5	PASS
	Ant2	5785	16.28	5776.80	5793.08	0.5	PASS
	Ant1	5825	15.36	5817.16	5832.52	0.5	PASS
	Ant2	5825	15.88	5816.80	5832.68	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	35.12	5777.40	5812.52	0.5	PASS
11AC20MIMO	Ant1	5745	15.32	5737.40	5752.72	0.5	PASS
	Ant2	5745	15.72	5737.40	5753.12	0.5	PASS
	Ant1	5785	15.12	5777.40	5792.52	0.5	PASS
	Ant2	5785	16.28	5776.80	5793.08	0.5	PASS
	Ant1	5825	15.12	5817.40	5832.52	0.5	PASS
	Ant2	5825	16.48	5816.60	5833.08	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	35.12	5777.40	5812.52	0.5	PASS
	Ant2	5795	35.12	5777.40	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

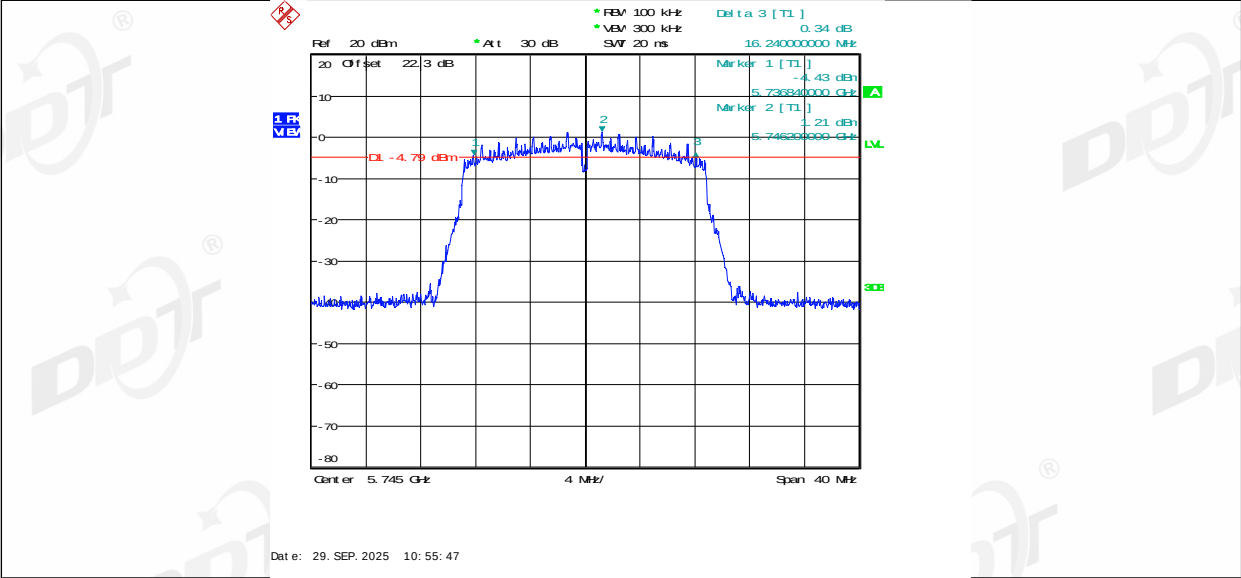
5.5. Test graphs B4



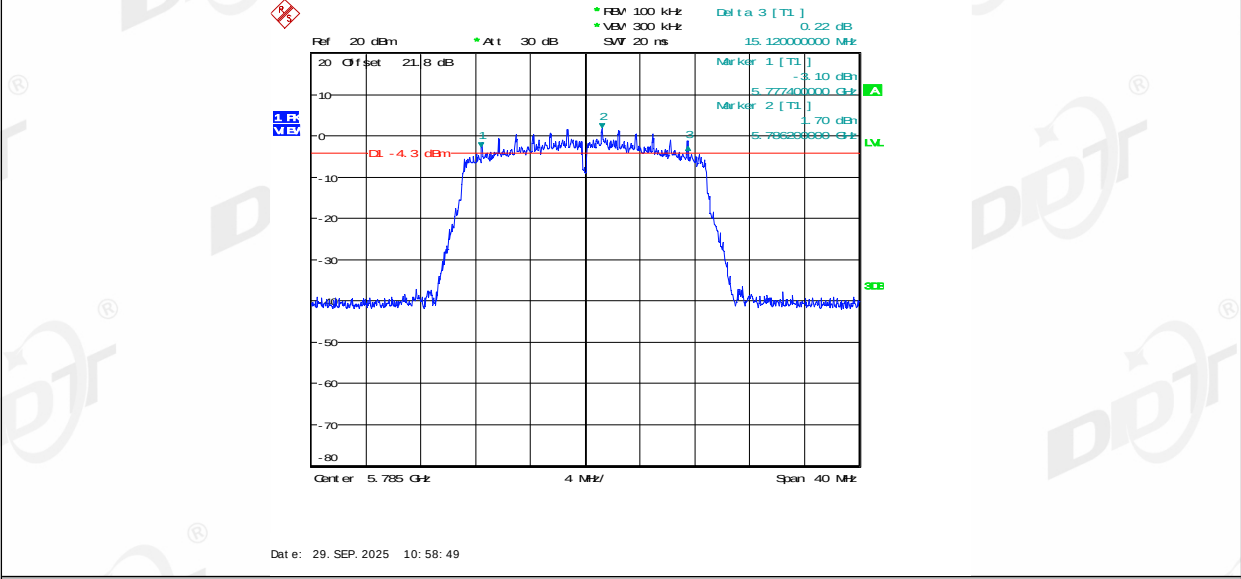




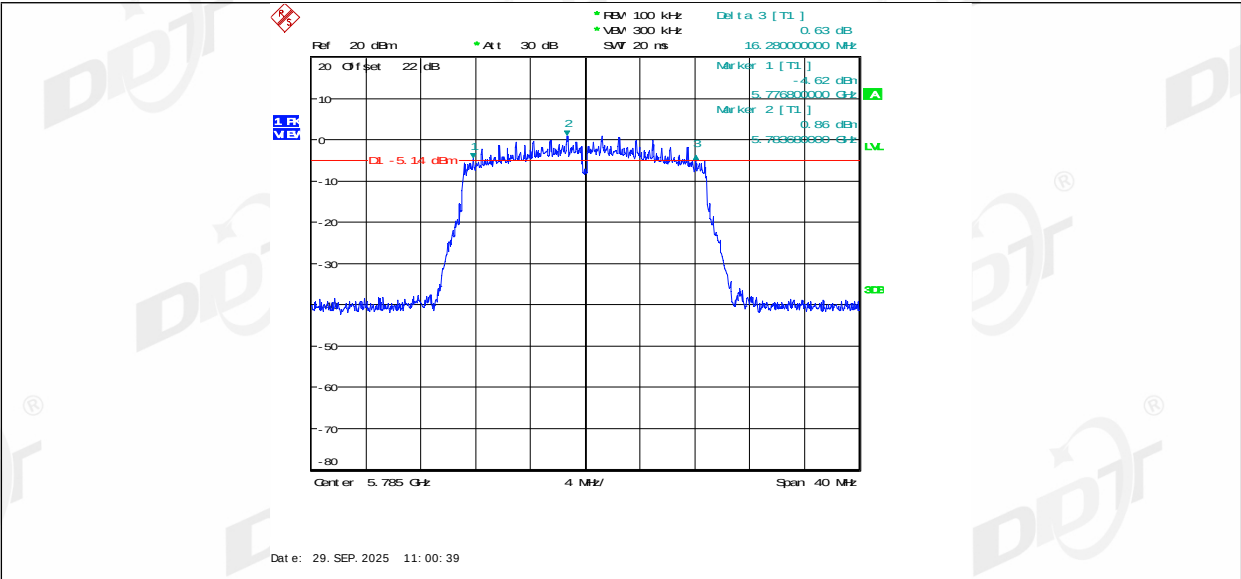
11N20MIMO_Ant2_5745



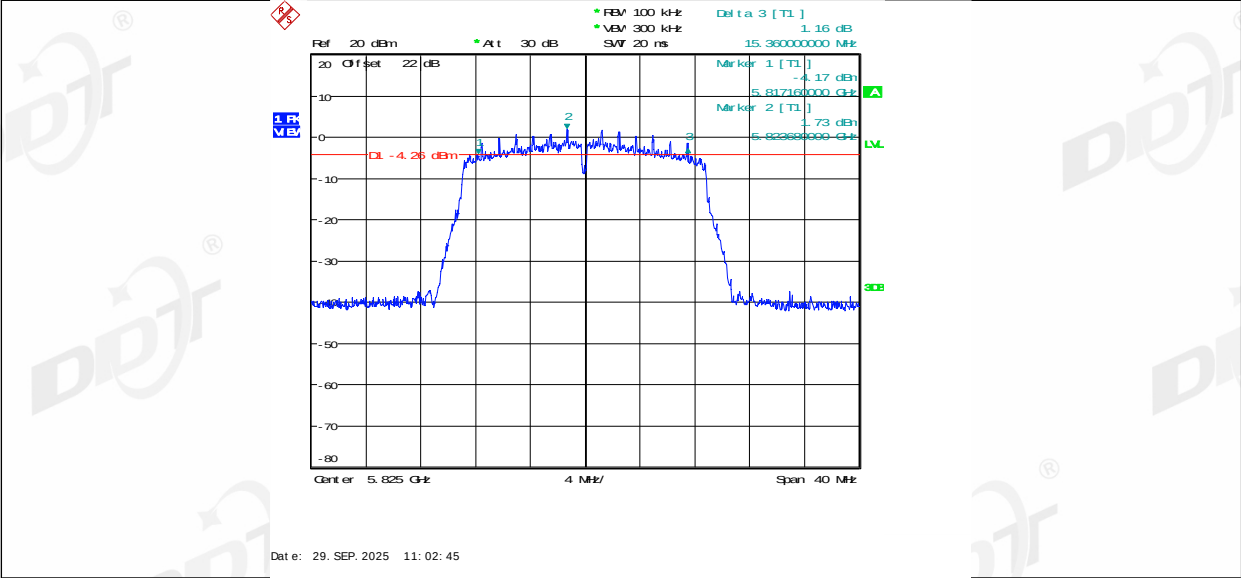
11N20MIMO_Ant1_5785



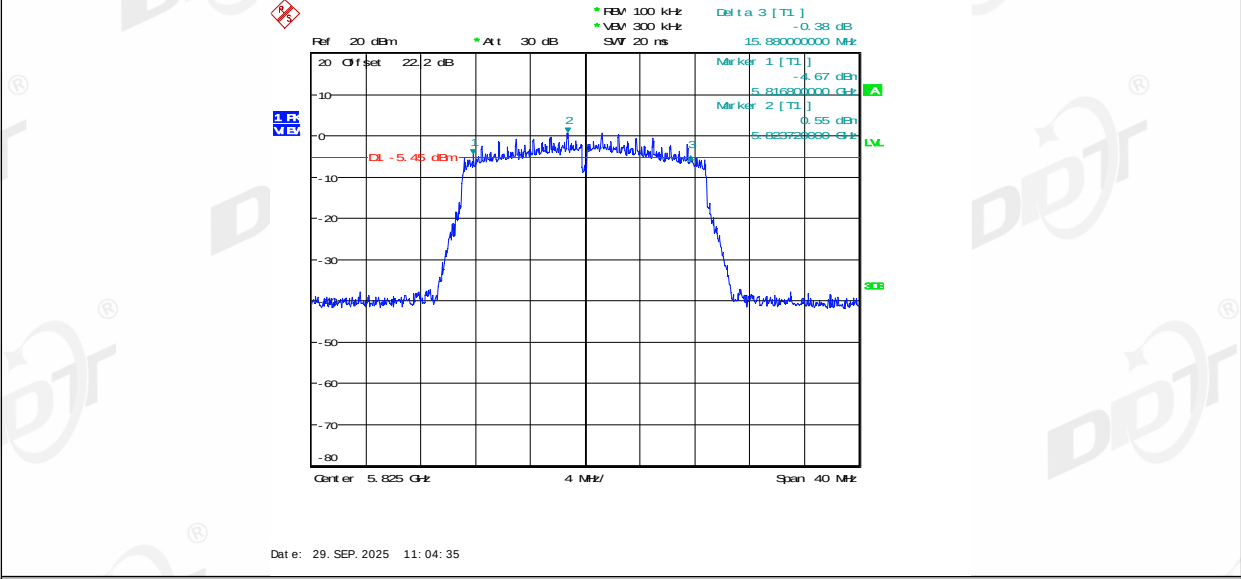
11N20MIMO_Ant2_5785



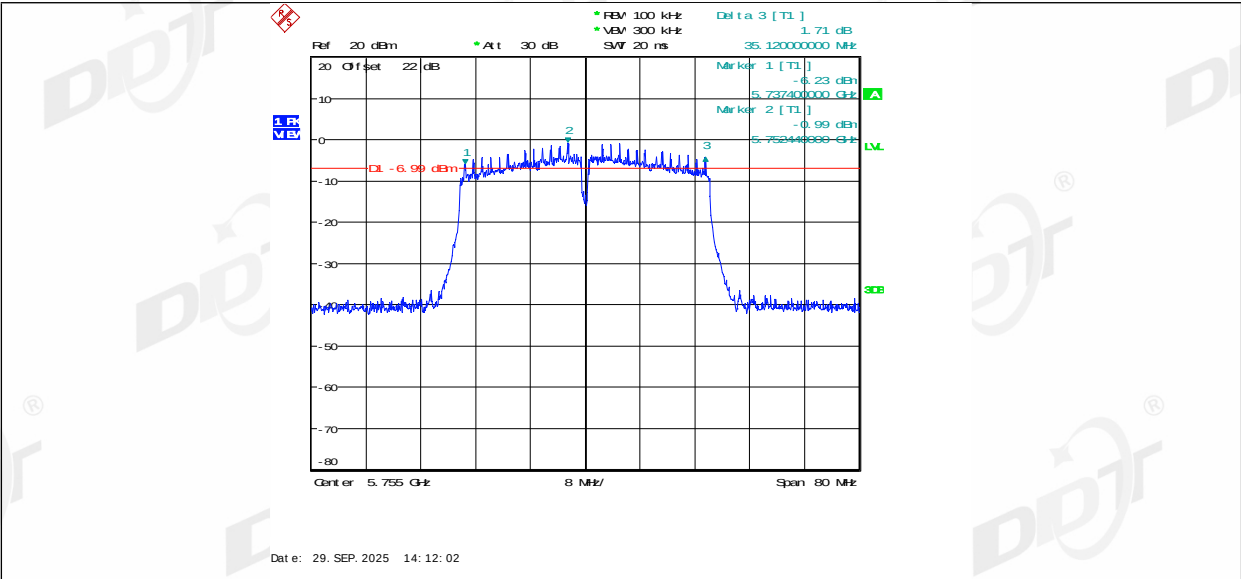
11N20MIMO_Ant1_5825



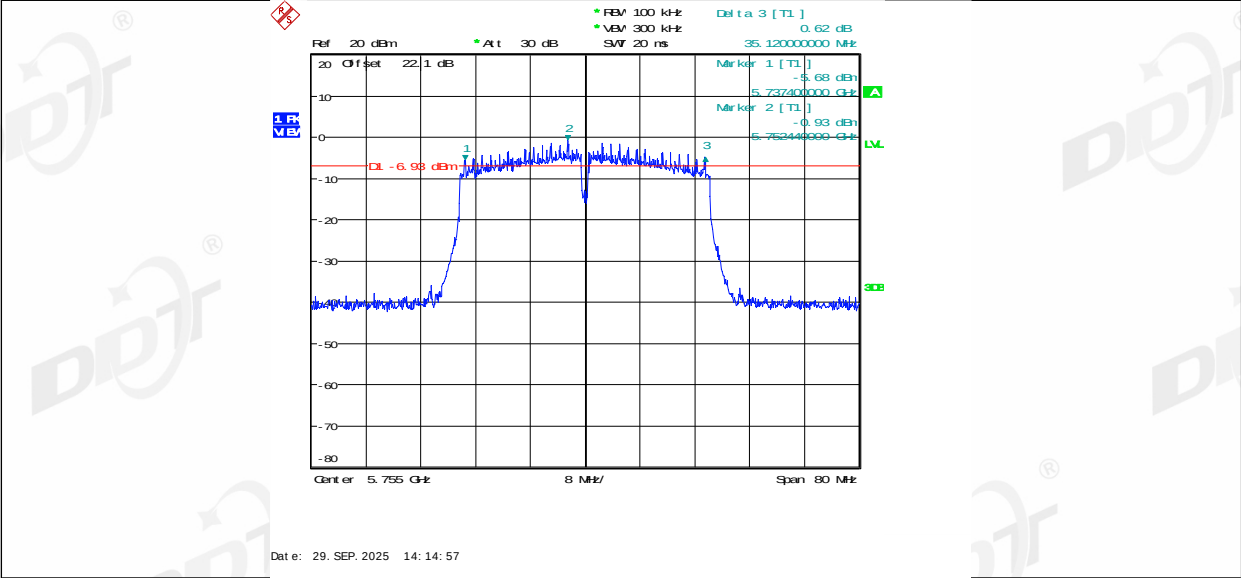
11N20MIMO_Ant2_5825



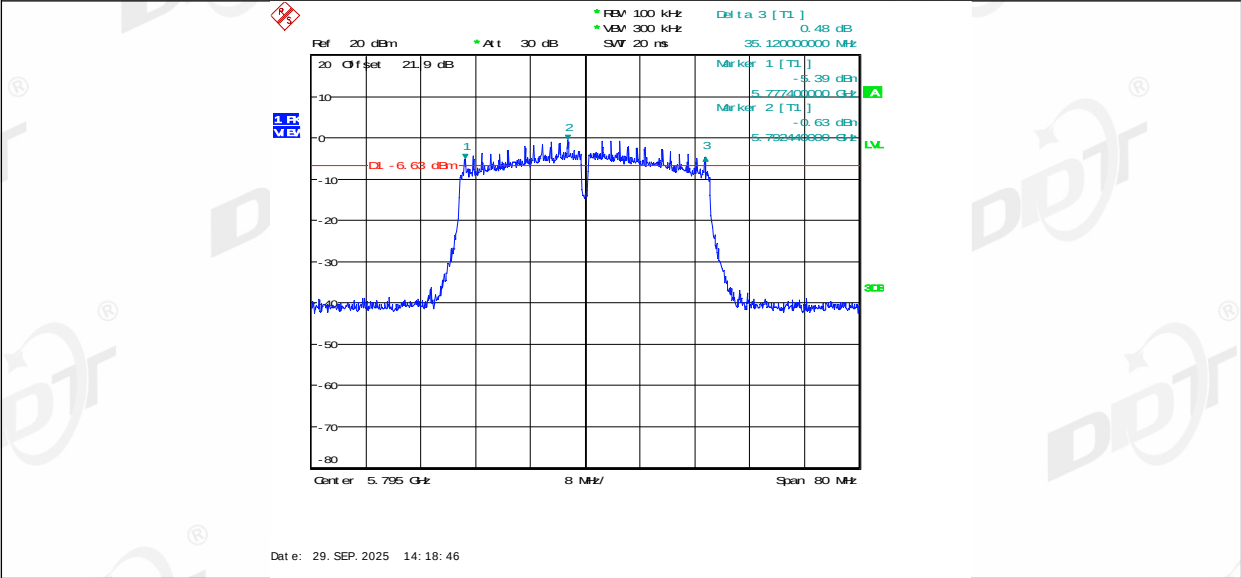
11N40MIMO_Ant1_5755



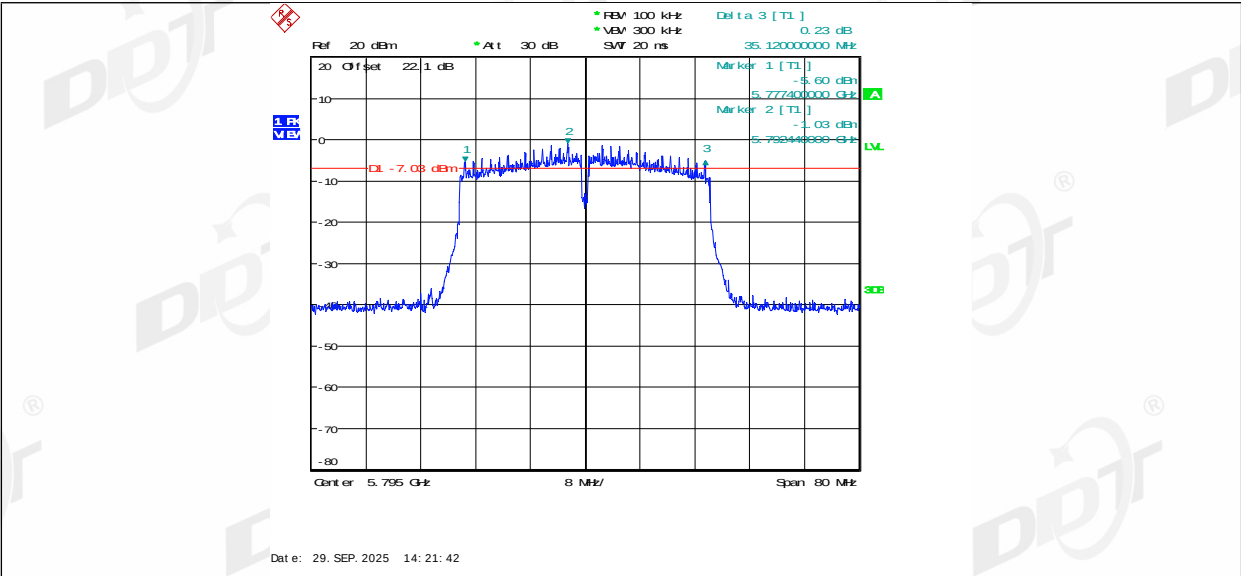
11N40MIMO_Ant2_5755



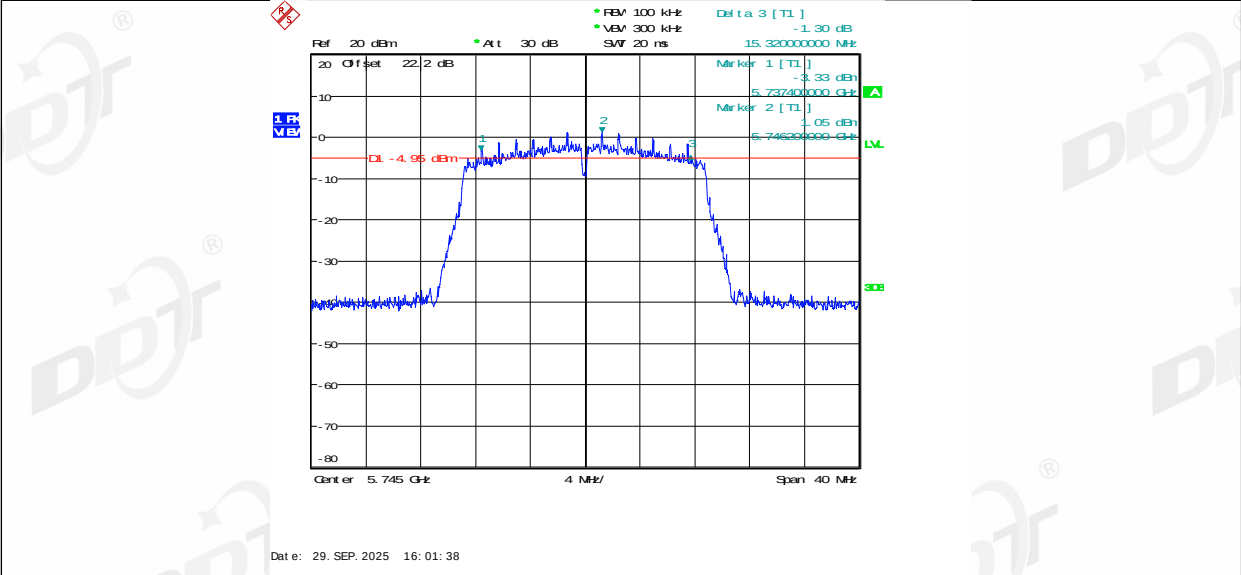
11N40MIMO_Ant1_5795



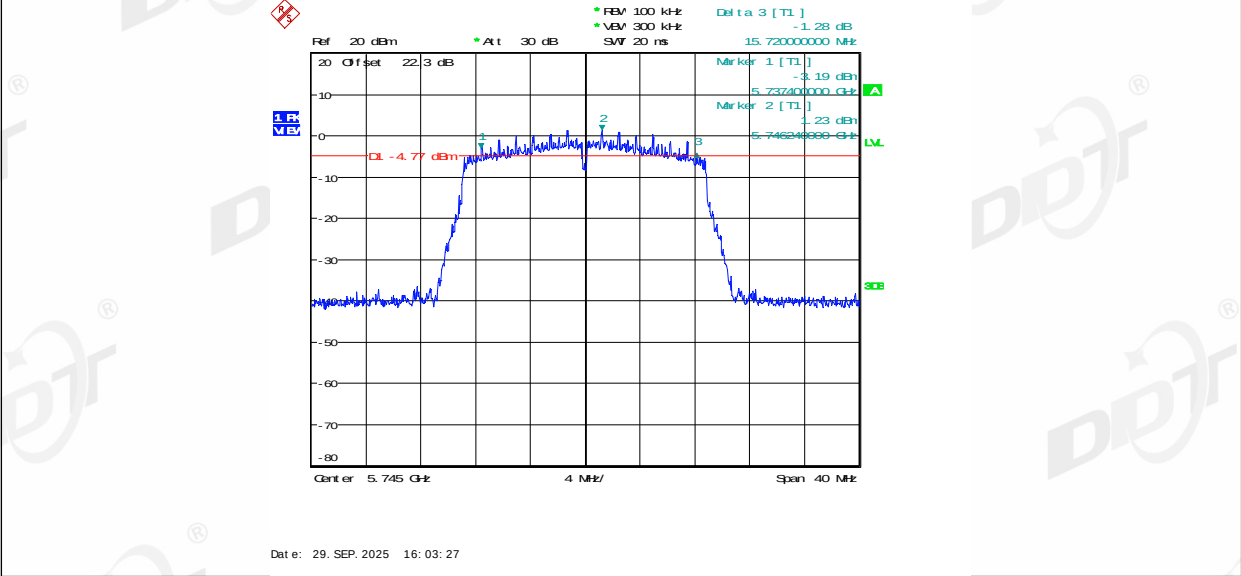
11N40MIMO_Ant2_5795



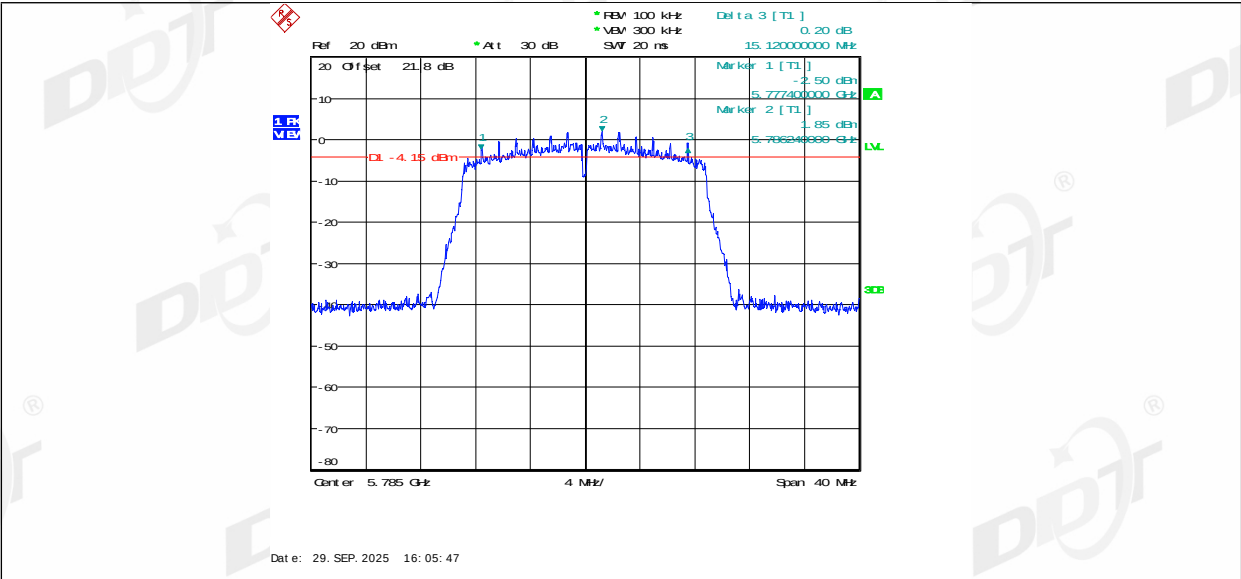
11AC20MIMO_Ant1_5745



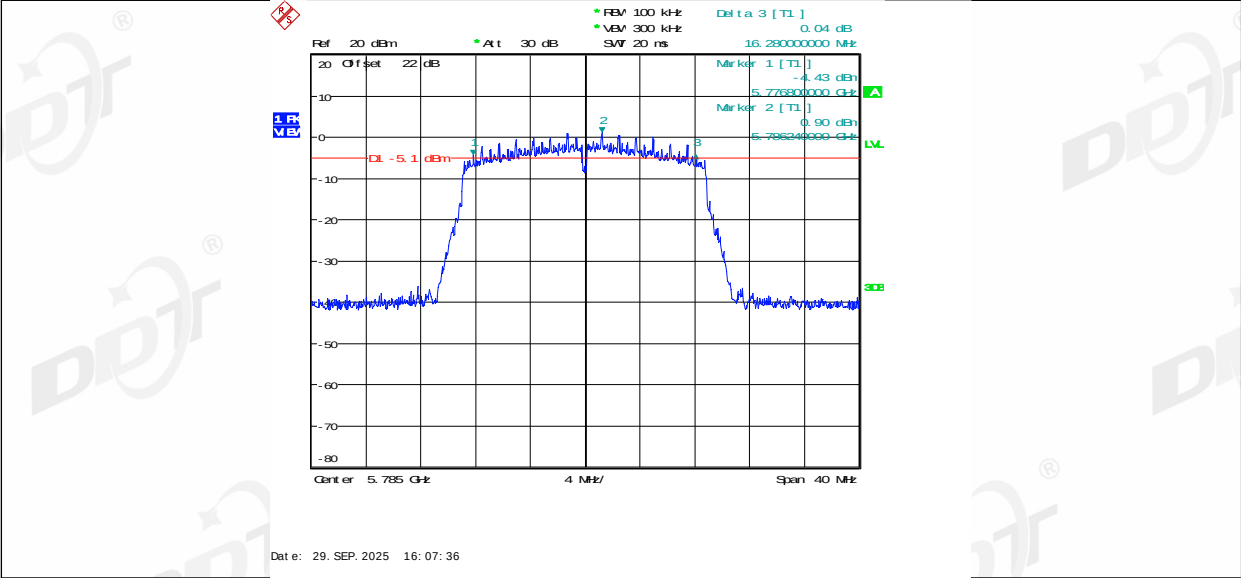
11AC20MIMO_Ant2_5745



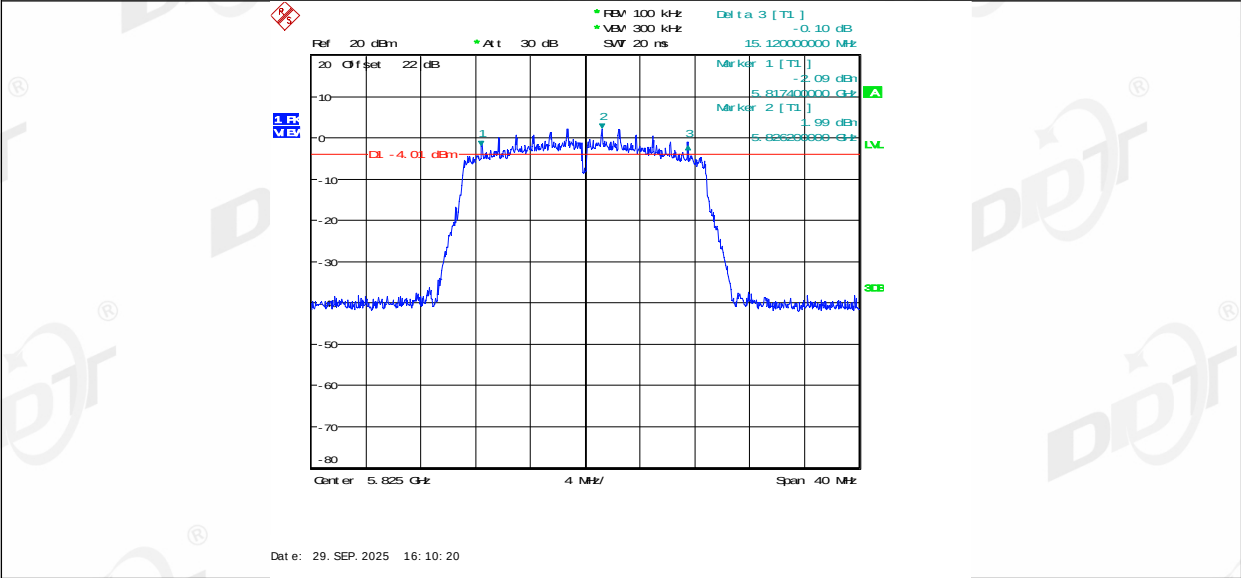
11AC20MIMO_Ant1_5785



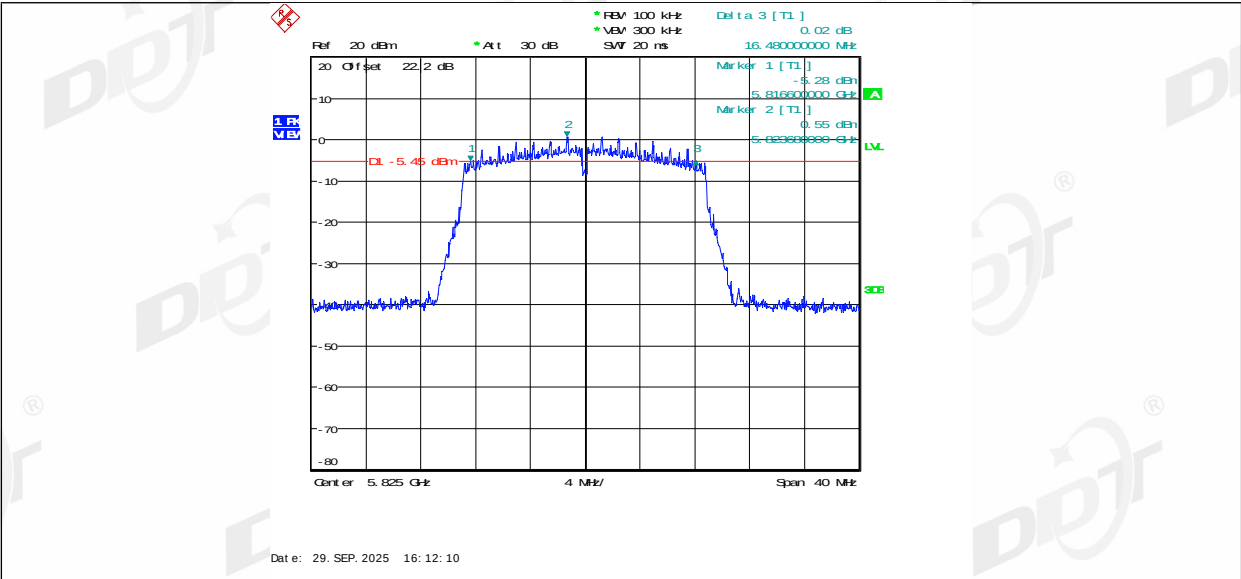
11AC20MIMO_Ant2_5785



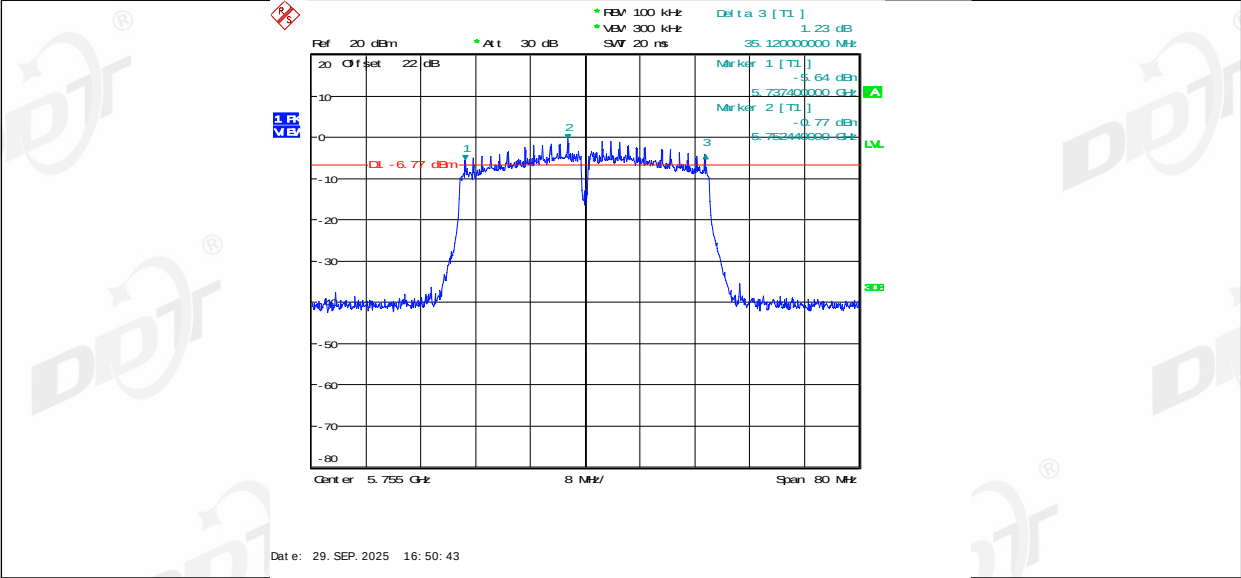
11AC20MIMO_Ant1_5825



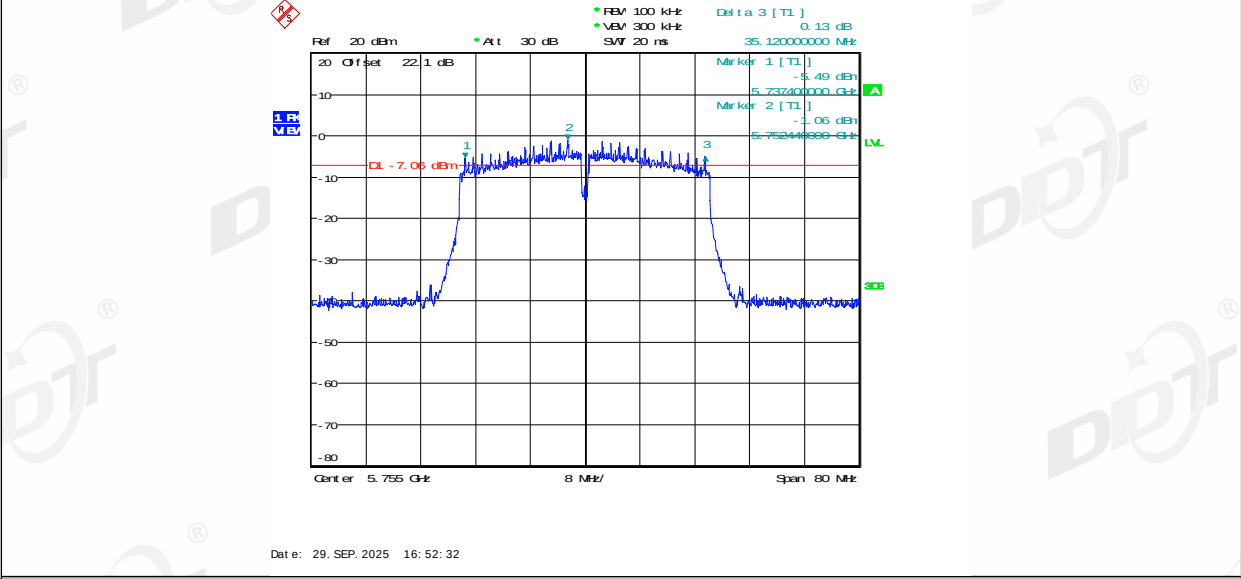
11AC20MIMO_Ant2_5825



11AC40MIMO_Ant1_5755



11AC40MIMO_Ant2_5755



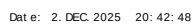
11AC40MIMO_Ant1_5795



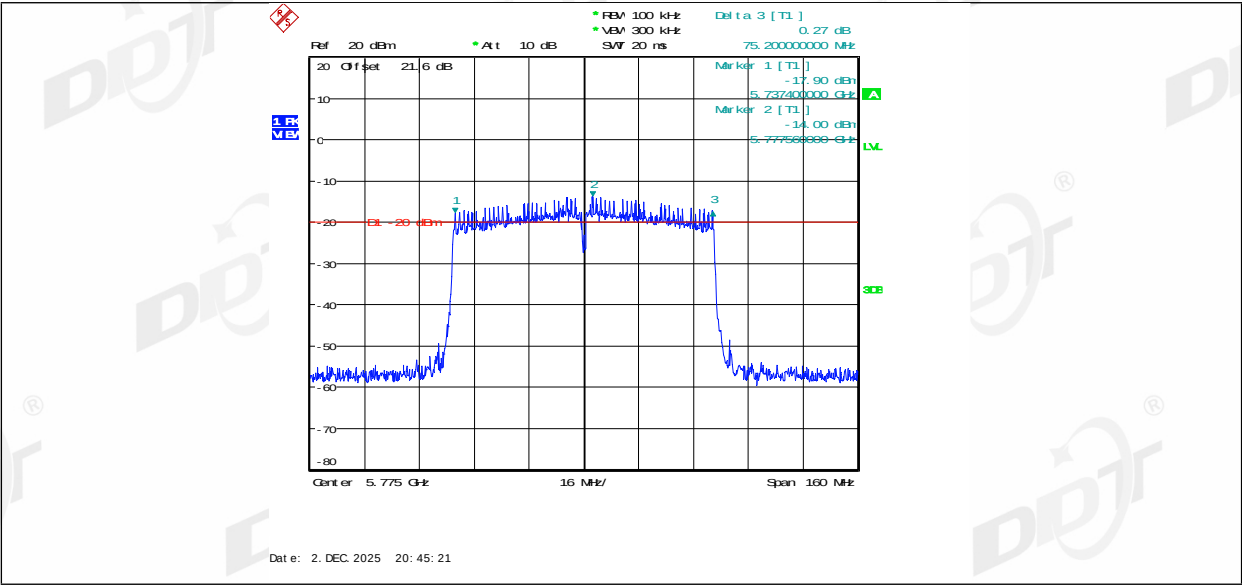
11AC40MIMO Ant2 5795



11AC80MIMO Ant1 5775

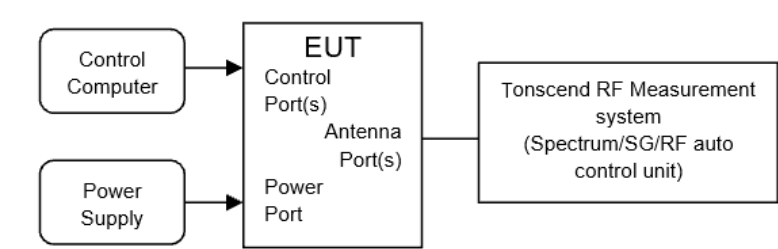


11AC80MIMO_Ant2_5775



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.

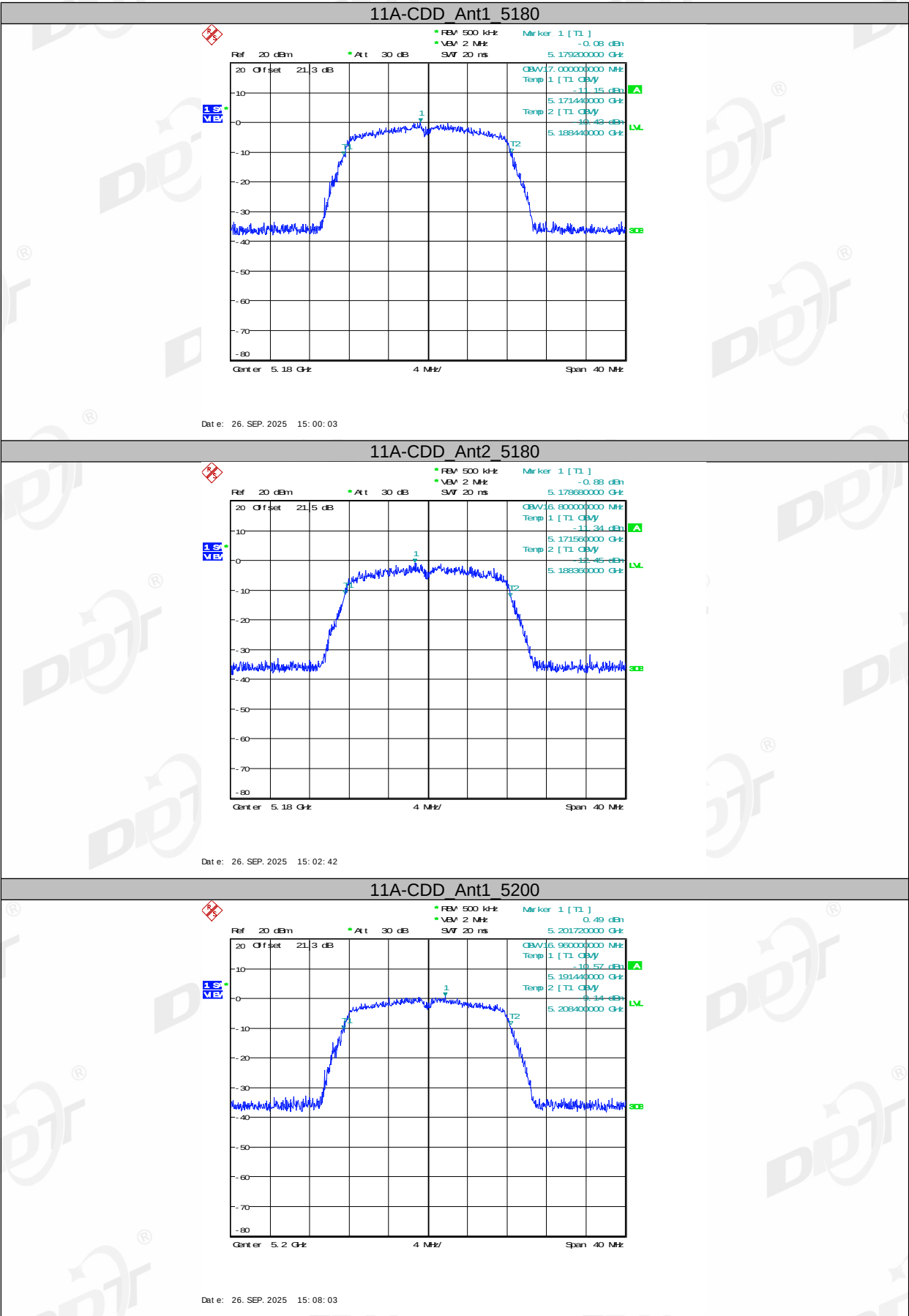
6.4. Test result

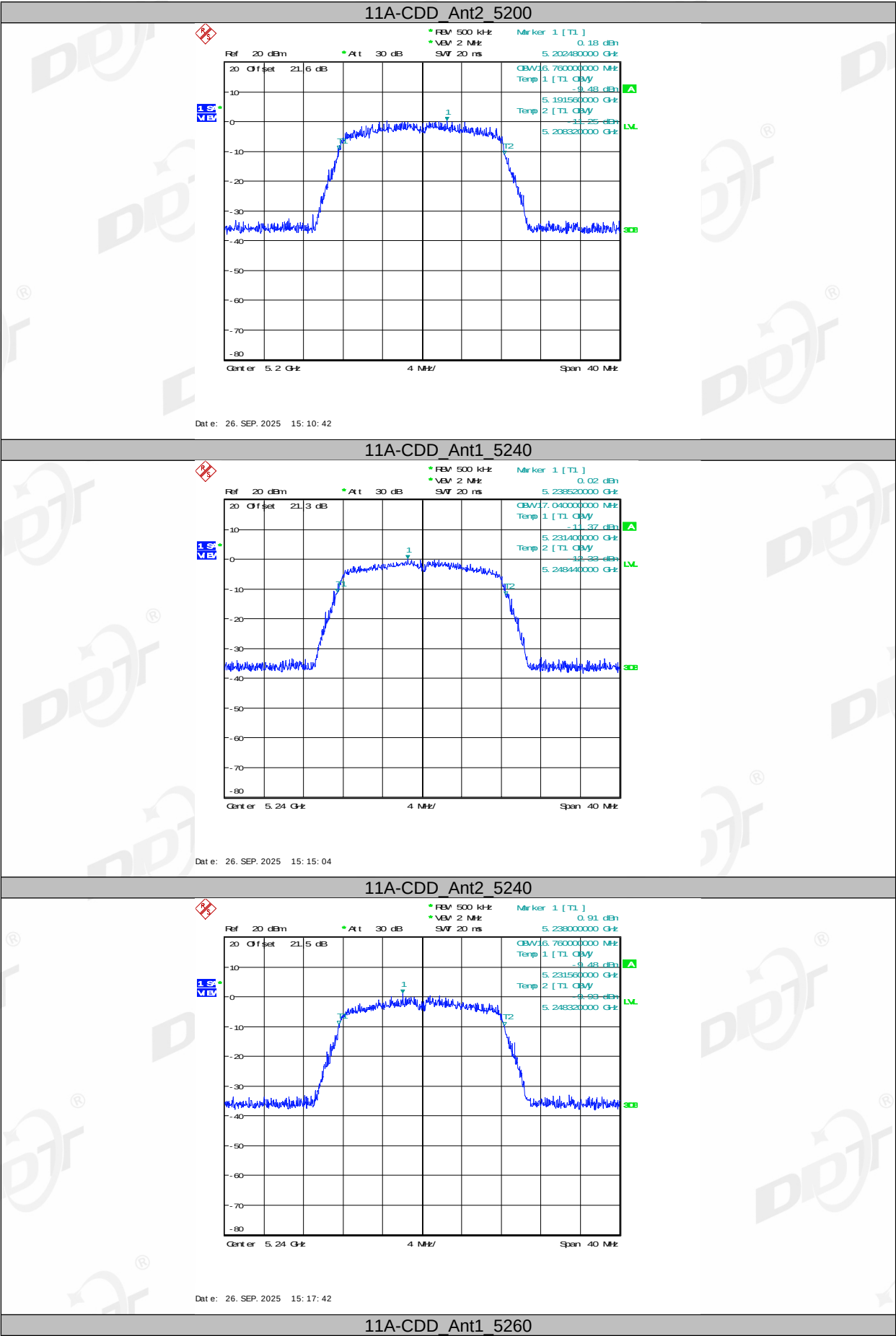
Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 1#
Ambient Condition:	28.6℃,40.1%RH	Test Date:	2025.09.26-2025.12.25
Test Power Supply:	AC120V/60Hz	Sample Number:	S25082809-001

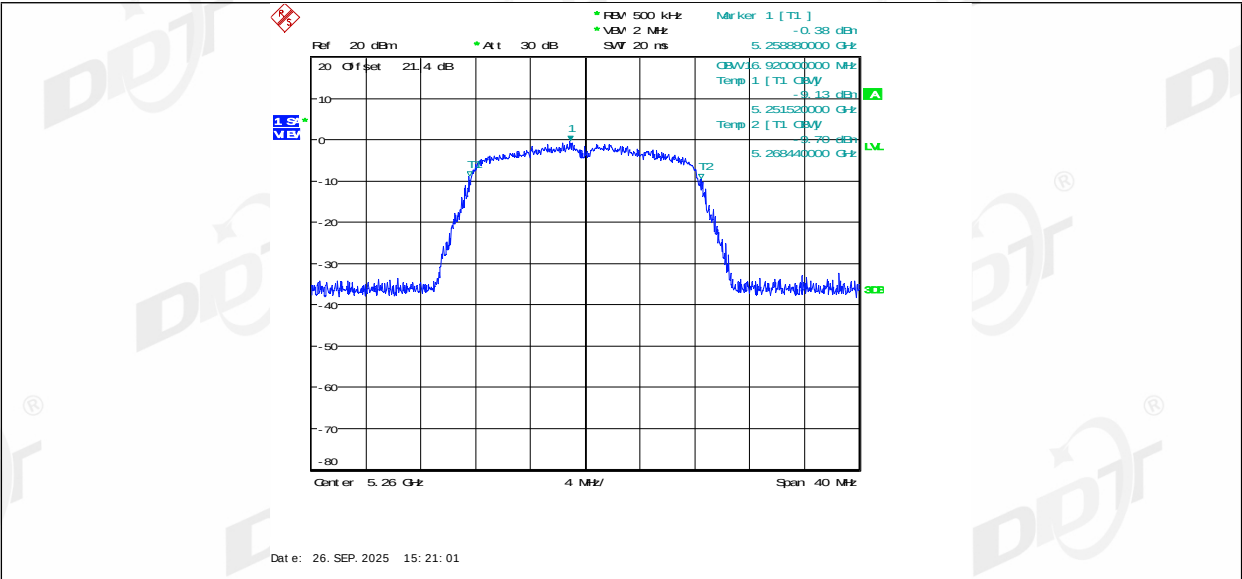
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5180	17.000	5171.4400	5188.4400	---	---
	Ant2	5180	16.800	5171.5600	5188.3600	---	---
	Ant1	5200	16.960	5191.4400	5208.4000	---	---
	Ant2	5200	16.760	5191.5600	5208.3200	---	---
	Ant1	5240	17.040	5231.4000	5248.4400	---	---
	Ant2	5240	16.760	5231.5600	5248.3200	---	---
	Ant1	5260	16.920	5251.5200	5268.4400	---	---
	Ant2	5260	16.840	5251.5600	5268.4000	---	---
	Ant1	5280	17.040	5271.4400	5288.4800	---	---
	Ant2	5280	16.760	5271.5600	5288.3200	---	---
	Ant1	5320	17.080	5311.3600	5328.4400	---	---
	Ant2	5320	16.760	5311.5600	5328.3200	---	---
	Ant1	5500	17.040	5491.4400	5508.4800	---	---
	Ant2	5500	16.800	5491.5200	5508.3200	---	---
	Ant1	5580	17.040	5571.3600	5588.4000	---	---
	Ant2	5580	16.800	5571.5600	5588.3600	---	---
	Ant1	5700	17.080	5691.4000	5708.4800	---	---
	Ant2	5700	16.720	5691.5600	5708.2800	---	---
	Ant1	5745	16.960	5736.4800	5753.4400	---	---
	Ant2	5745	16.720	5736.6400	5753.3600	---	---
	Ant1	5785	17.040	5776.4400	5793.4800	---	---
	Ant2	5785	16.760	5776.6000	5793.3600	---	---
	Ant1	5825	16.960	5816.4800	5833.4400	---	---
	Ant2	5825	16.760	5816.5600	5833.3200	---	---
11N20MIMO	Ant1	5180	17.920	5171.0000	5188.9200	---	---
	Ant2	5180	17.800	5171.0800	5188.8800	---	---
	Ant1	5200	17.920	5190.9600	5208.8800	---	---
	Ant2	5200	17.840	5191.0400	5208.8800	---	---
	Ant1	5240	17.960	5230.9600	5248.9200	---	---
	Ant2	5240	17.800	5231.0400	5248.8400	---	---
	Ant1	5260	17.920	5251.0000	5268.9200	---	---
	Ant2	5260	17.840	5251.0400	5268.8800	---	---
	Ant1	5280	17.920	5271.0000	5288.9200	---	---
	Ant2	5280	17.760	5271.0400	5288.8000	---	---
	Ant1	5320	17.880	5311.0000	5328.8800	---	---
	Ant2	5320	17.760	5311.0800	5328.8400	---	---
	Ant1	5500	17.920	5490.9600	5508.8800	---	---
	Ant2	5500	17.840	5491.0400	5508.8800	---	---
	Ant1	5580	17.920	5570.9600	5588.8800	---	---
	Ant2	5580	17.800	5571.0400	5588.8400	---	---
	Ant1	5700	17.920	5691.0000	5708.9200	---	---
	Ant2	5700	17.800	5691.0400	5708.8400	---	---
	Ant1	5745	17.880	5736.0000	5753.8800	---	---
	Ant2	5745	17.800	5736.0400	5753.8400	---	---
	Ant1	5785	17.960	5776.0000	5793.9600	---	---
	Ant2	5785	17.800	5776.0800	5793.8800	---	---
	Ant1	5825	17.840	5816.0000	5833.8400	---	---
	Ant2	5825	17.800	5816.0400	5833.8400	---	---
11N40MIMO	Ant1	5190	36.240	5171.8400	5208.0800	---	---
	Ant2	5190	36.240	5171.8400	5208.0800	---	---
	Ant1	5230	36.240	5211.7600	5248.0000	---	---
	Ant2	5230	36.240	5211.8400	5248.0800	---	---
	Ant1	5270	36.240	5251.8400	5288.0800	---	---
	Ant2	5270	36.320	5251.8400	5288.1600	---	---
	Ant1	5310	36.320	5291.7600	5328.0800	---	---

	Ant2	5310	36.240	5291.8400	5328.0800	---	---
	Ant1	5510	36.320	5491.7600	5528.0800	---	---
	Ant2	5510	36.400	5491.7600	5528.1600	---	---
	Ant1	5550	36.240	5531.7600	5568.0000	---	---
	Ant2	5550	36.240	5531.8400	5568.0800	---	---
	Ant1	5670	36.240	5651.7600	5688.0000	---	---
	Ant2	5670	36.080	5651.9200	5688.0000	---	---
	Ant1	5755	36.160	5736.9200	5773.0800	---	---
	Ant2	5755	36.240	5736.8400	5773.0800	---	---
	Ant1	5795	36.160	5776.8400	5813.0000	---	---
	Ant2	5795	36.160	5776.8400	5813.0000	---	---
11AC20MIM O	Ant1	5180	17.840	5171.0400	5188.8800	---	---
	Ant2	5180	17.800	5171.0400	5188.8400	---	---
	Ant1	5200	17.920	5191.0000	5208.9200	---	---
	Ant2	5200	17.760	5191.0400	5208.8000	---	---
	Ant1	5240	17.840	5231.0000	5248.8400	---	---
	Ant2	5240	17.760	5231.0800	5248.8400	---	---
	Ant1	5260	17.920	5251.0000	5268.9200	---	---
	Ant2	5260	17.800	5251.0800	5268.8800	---	---
	Ant1	5280	17.880	5271.0000	5288.8800	---	---
	Ant2	5280	17.760	5271.0800	5288.8400	---	---
	Ant1	5320	17.880	5311.0000	5328.8800	---	---
	Ant2	5320	17.800	5311.0400	5328.8400	---	---
	Ant1	5500	17.920	5491.0000	5508.9200	---	---
	Ant2	5500	17.800	5491.0400	5508.8400	---	---
	Ant1	5580	17.920	5571.0000	5588.9200	---	---
	Ant2	5580	17.800	5571.0400	5588.8400	---	---
	Ant1	5700	17.880	5691.0000	5708.8800	---	---
	Ant2	5700	17.800	5691.0400	5708.8400	---	---
	Ant1	5745	17.840	5736.0400	5753.8800	---	---
	Ant2	5745	17.800	5736.0400	5753.8400	---	---
11AC40MIM O	Ant1	5785	17.840	5776.0400	5793.8800	---	---
	Ant2	5785	17.840	5776.0400	5793.8800	---	---
	Ant1	5825	17.880	5816.0000	5833.8800	---	---
	Ant2	5825	17.840	5816.0400	5833.8800	---	---
	Ant1	5190	36.320	5171.7600	5208.0800	---	---
	Ant2	5190	36.240	5171.8400	5208.0800	---	---
	Ant1	5230	36.240	5211.7600	5248.0000	---	---
	Ant2	5230	36.320	5211.7600	5248.0800	---	---
	Ant1	5270	36.320	5251.7600	5288.0800	---	---
	Ant2	5270	36.320	5251.8400	5288.1600	---	---
	Ant1	5310	36.160	5291.8400	5328.0000	---	---
	Ant2	5310	36.320	5291.7600	5328.0800	---	---
	Ant1	5510	36.240	5491.7600	5528.0000	---	---
	Ant2	5510	36.320	5491.7600	5528.0800	---	---
	Ant1	5550	36.240	5531.7600	5568.0000	---	---
	Ant2	5550	36.240	5531.8400	5568.0800	---	---
	Ant1	5670	36.320	5651.7600	5688.0800	---	---
	Ant2	5670	36.240	5651.7600	5688.0000	---	---
	Ant1	5755	36.240	5736.9200	5773.1600	---	---
	Ant2	5755	36.160	5736.8400	5773.0000	---	---
11AC80MIM O	Ant1	5795	36.080	5776.9200	5813.0000	---	---
	Ant2	5795	36.240	5776.7600	5813.0000	---	---
	Ant1	5210	75.520	5172.0800	5247.6000	---	---
	Ant2	5210	75.840	5172.0800	5247.9200	---	---
	Ant1	5290	75.840	5251.9200	5327.7600	---	---
	Ant2	5290	75.840	5252.0800	5327.9200	---	---
	Ant1	5530	75.840	5491.9200	5567.7600	---	---
	Ant2	5530	75.840	5492.0800	5567.9200	---	---
	Ant1	5610	75.840	5571.9200	5647.7600	---	---
	Ant2	5610	76.000	5571.9200	5647.9200	---	---
	Ant1	5775	75.840	5737.2400	5813.0800	---	---
	Ant2	5775	75.680	5737.0800	5812.7600	---	---

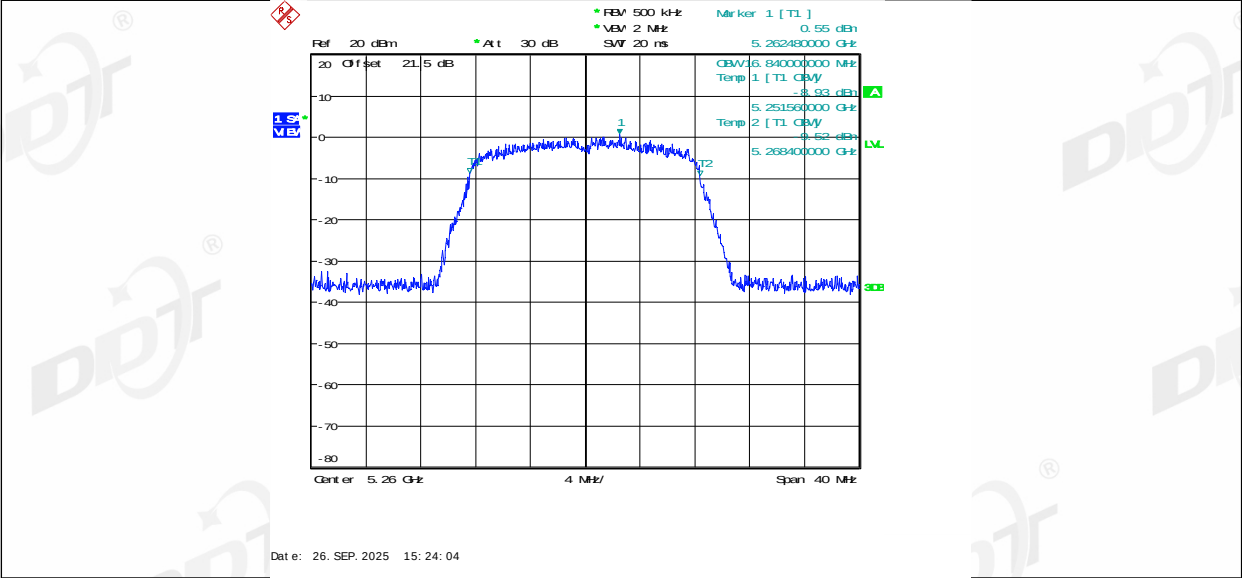
6.5. Test graphs



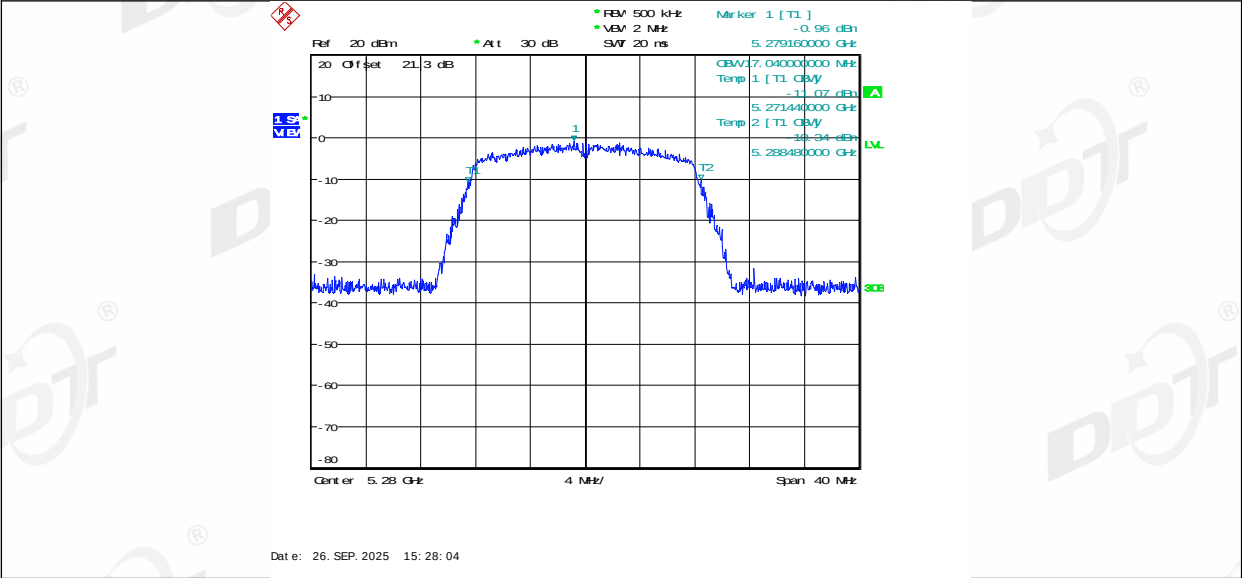




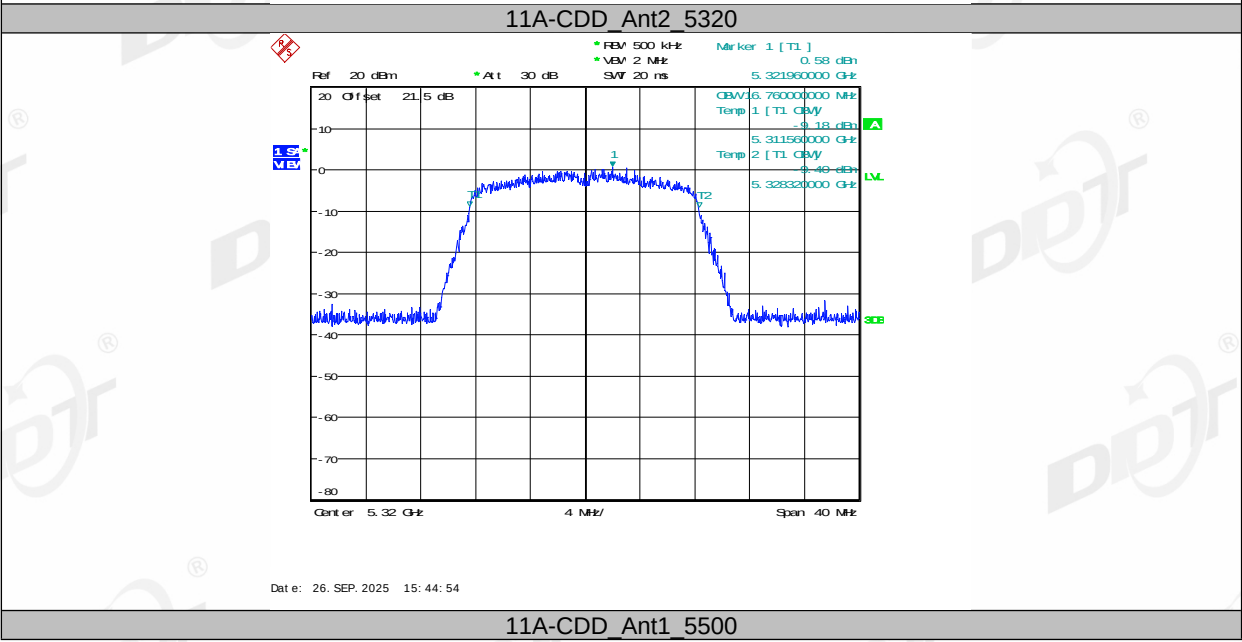
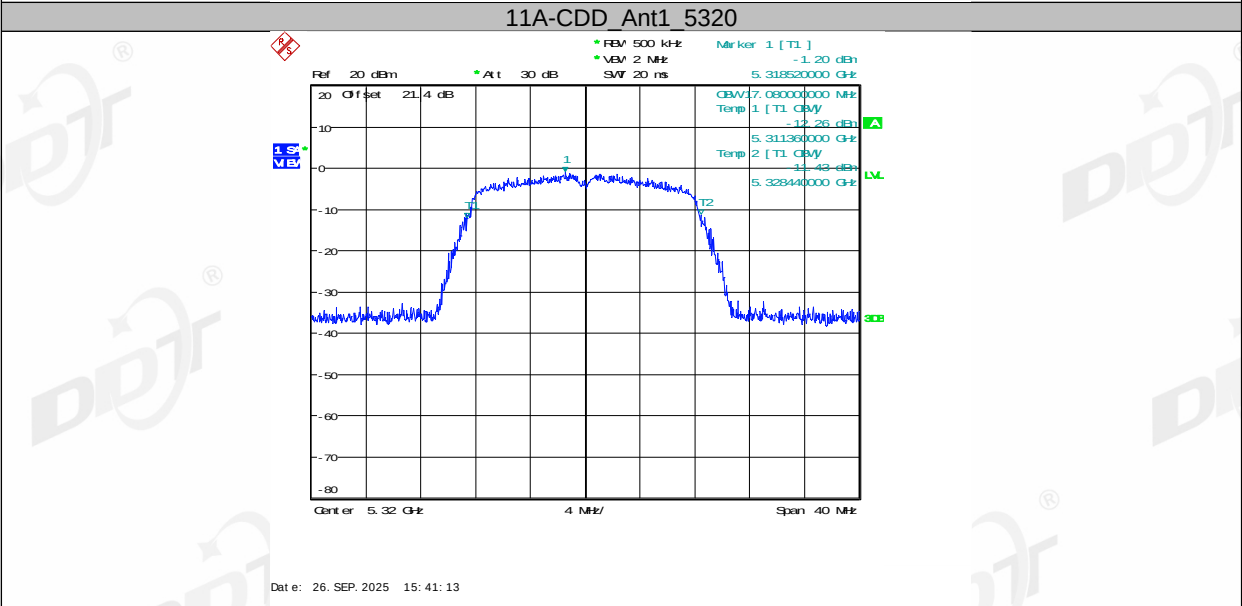
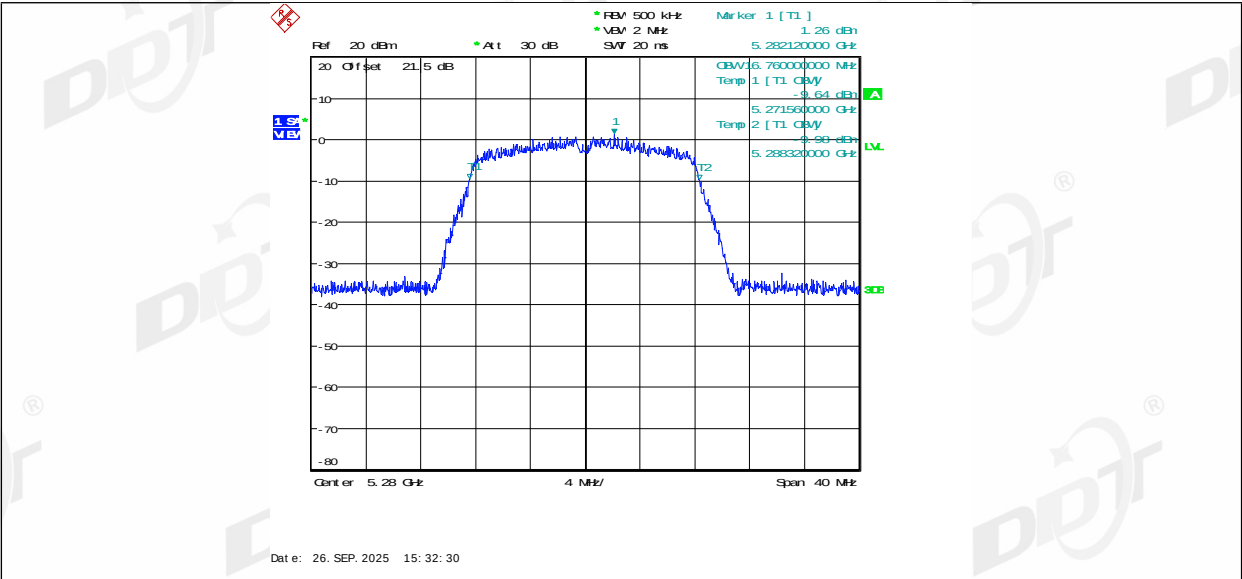
11A-CDD_Ant2_5260

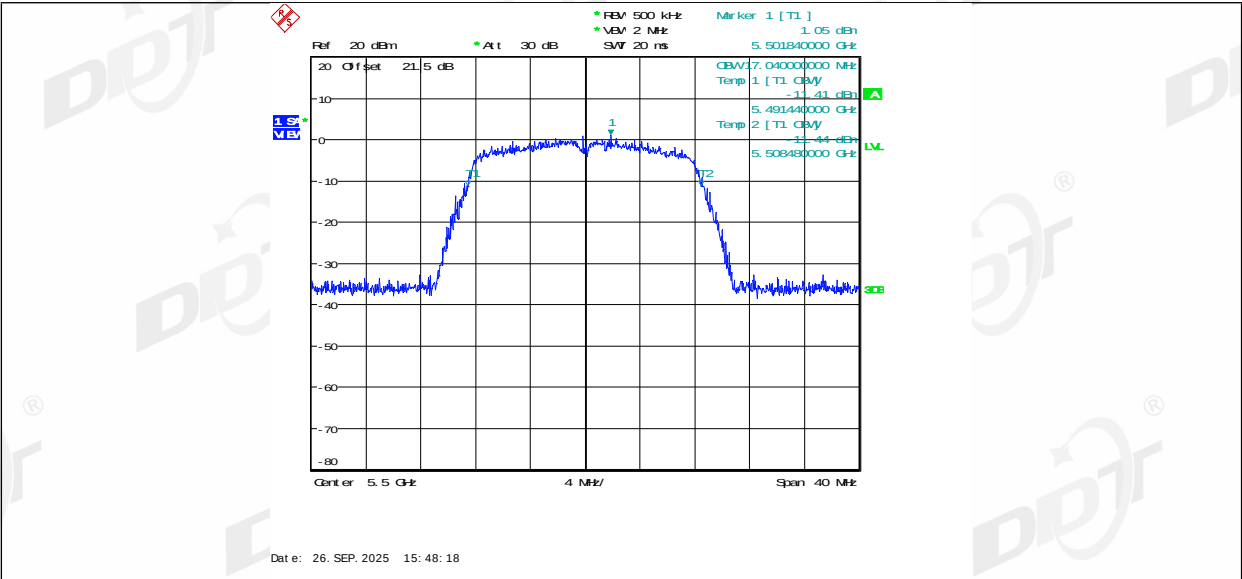


11A-CDD_Ant1_5280

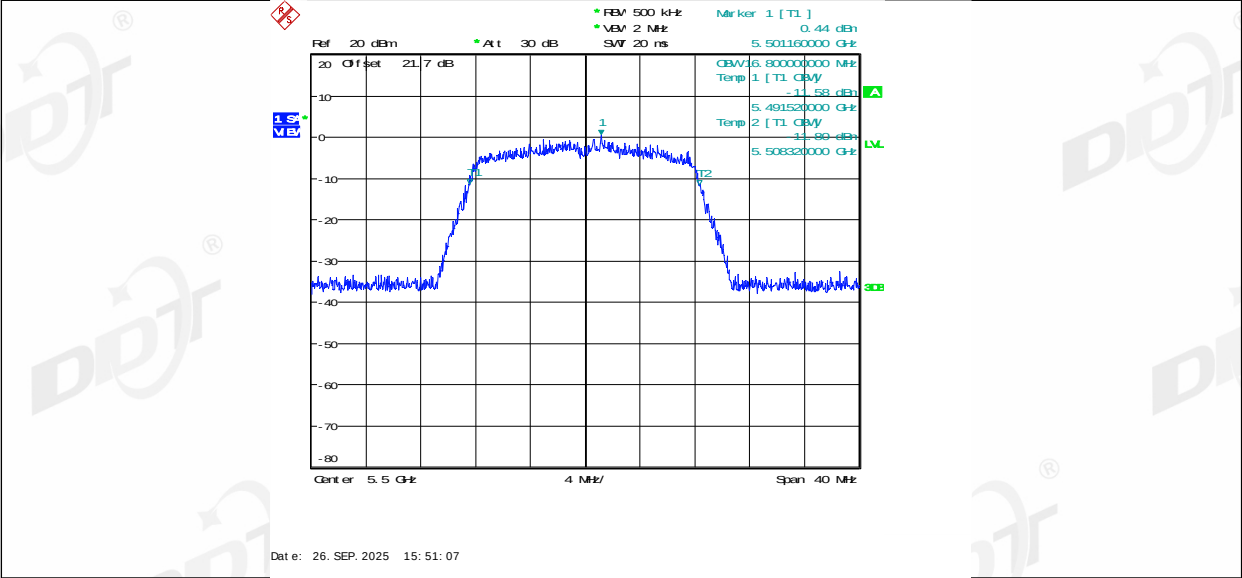


11A-CDD_Ant2_5280

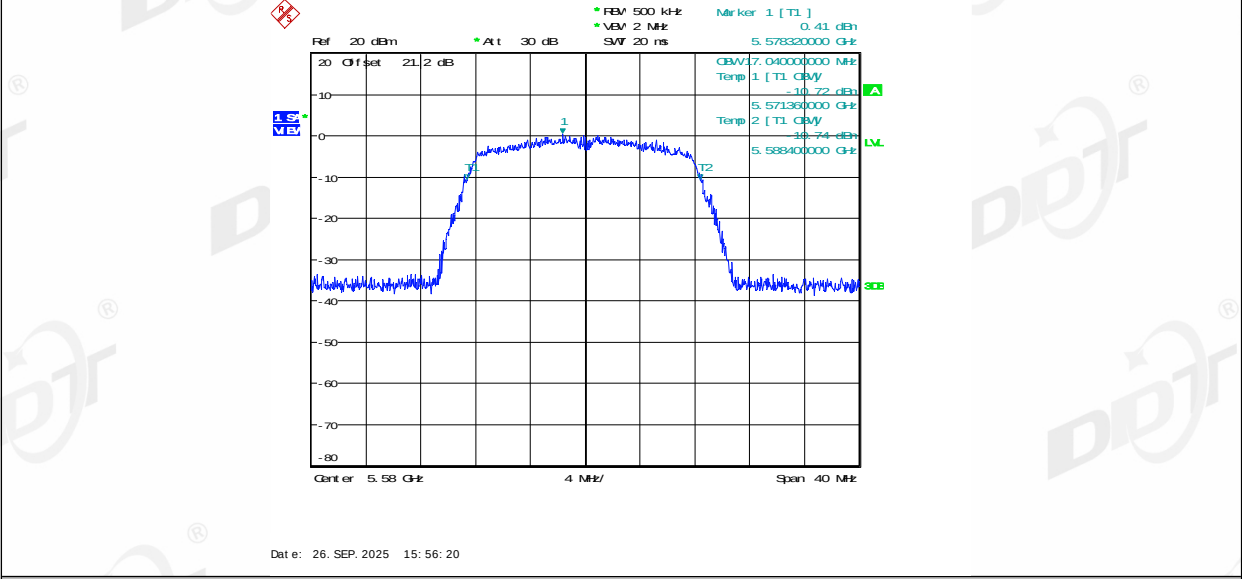




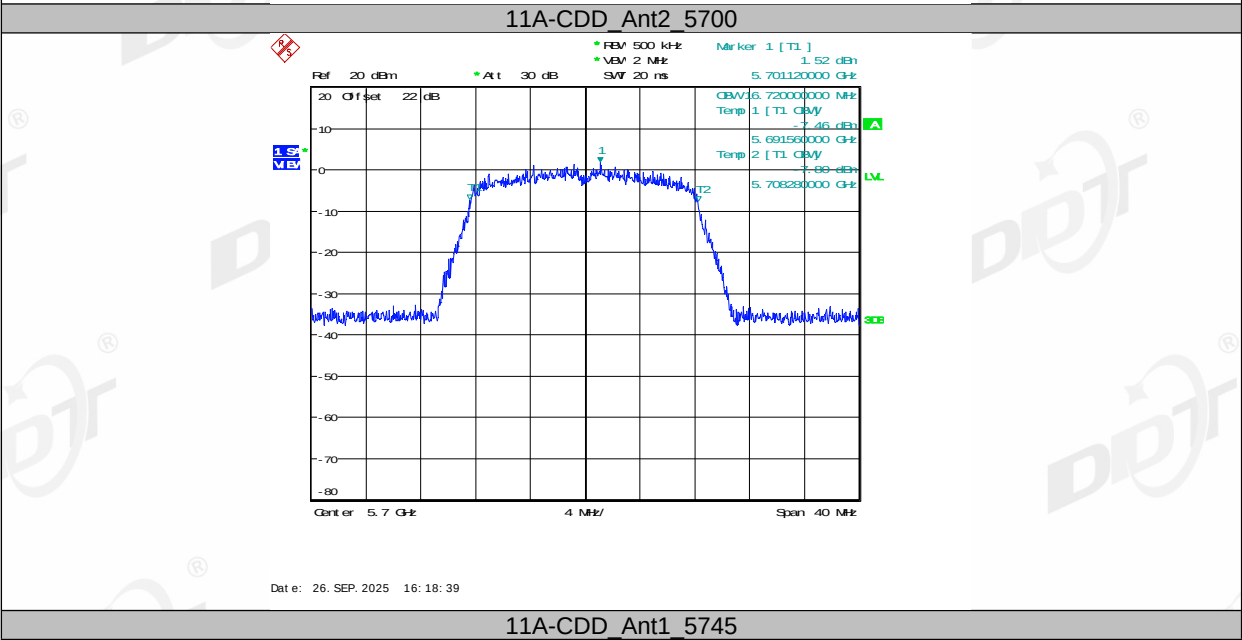
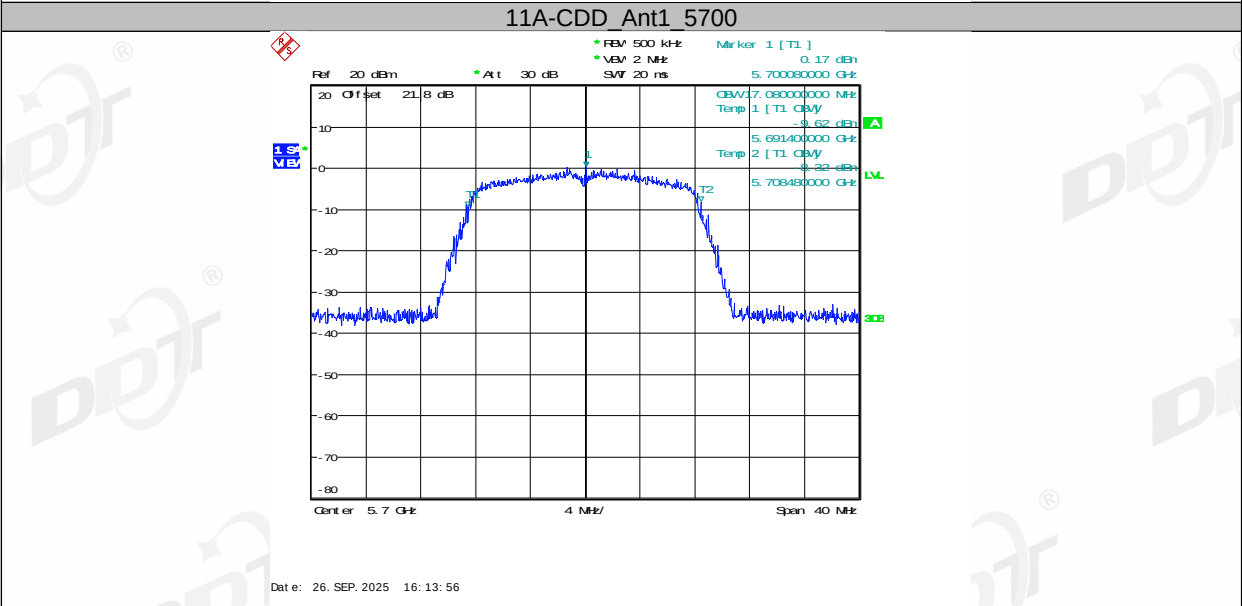
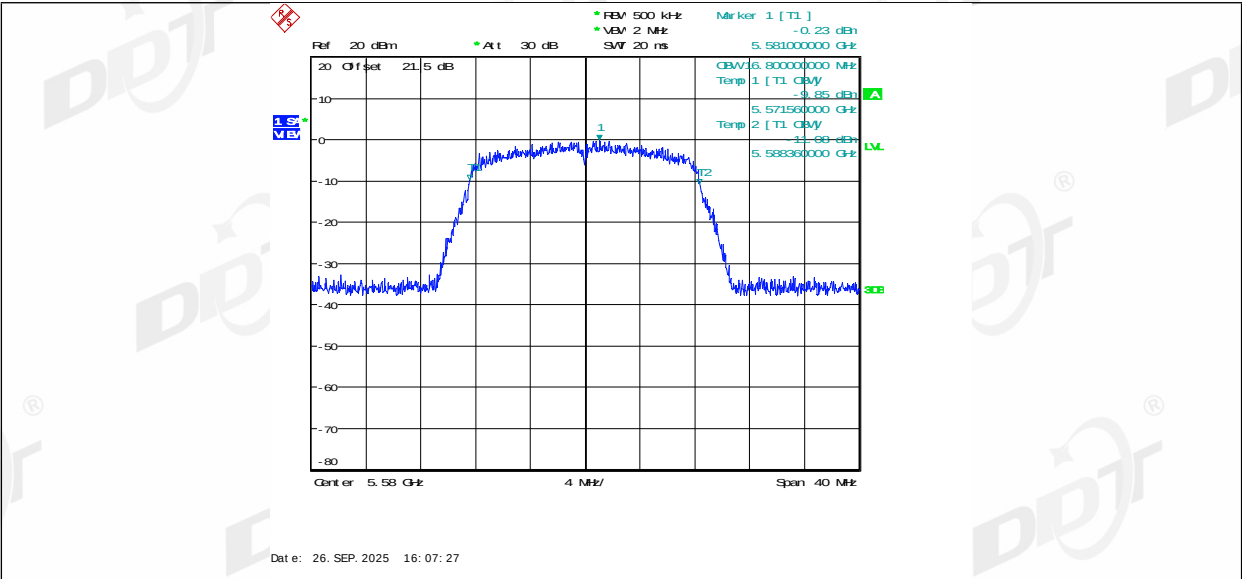
11A-CDD_Ant2_5500

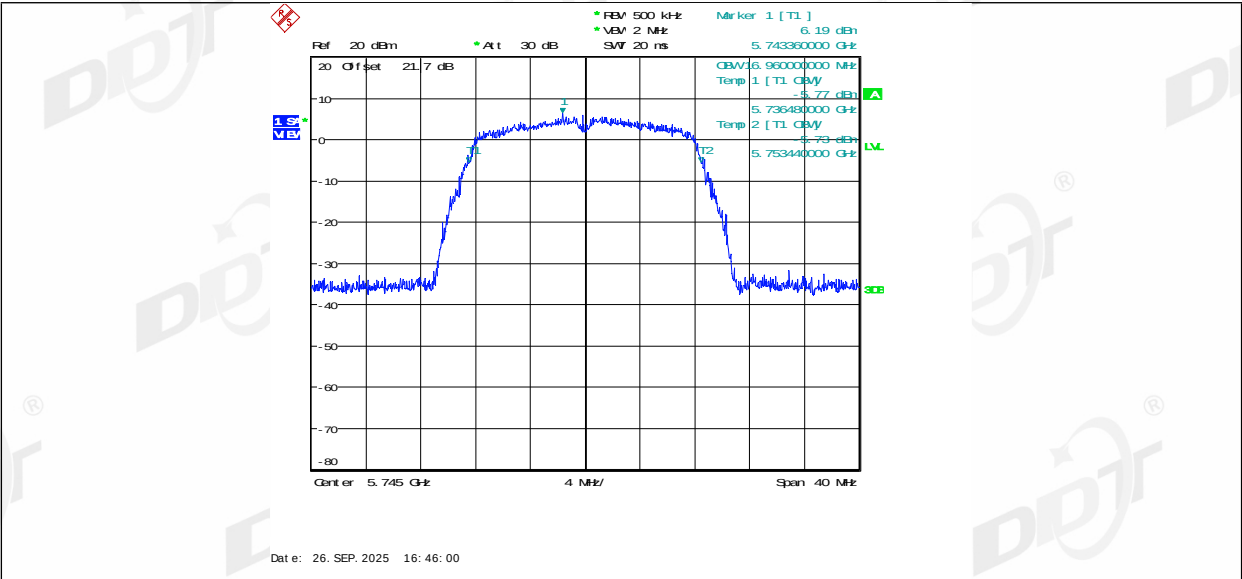


11A-CDD_Ant1_5580

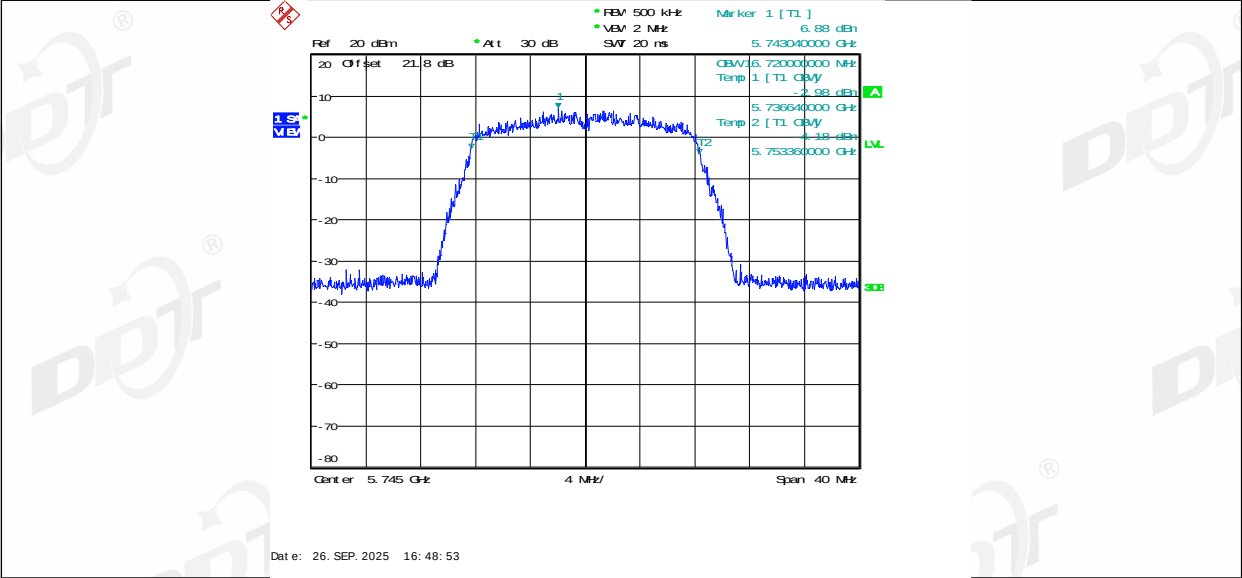


11A-CDD_Ant2_5580

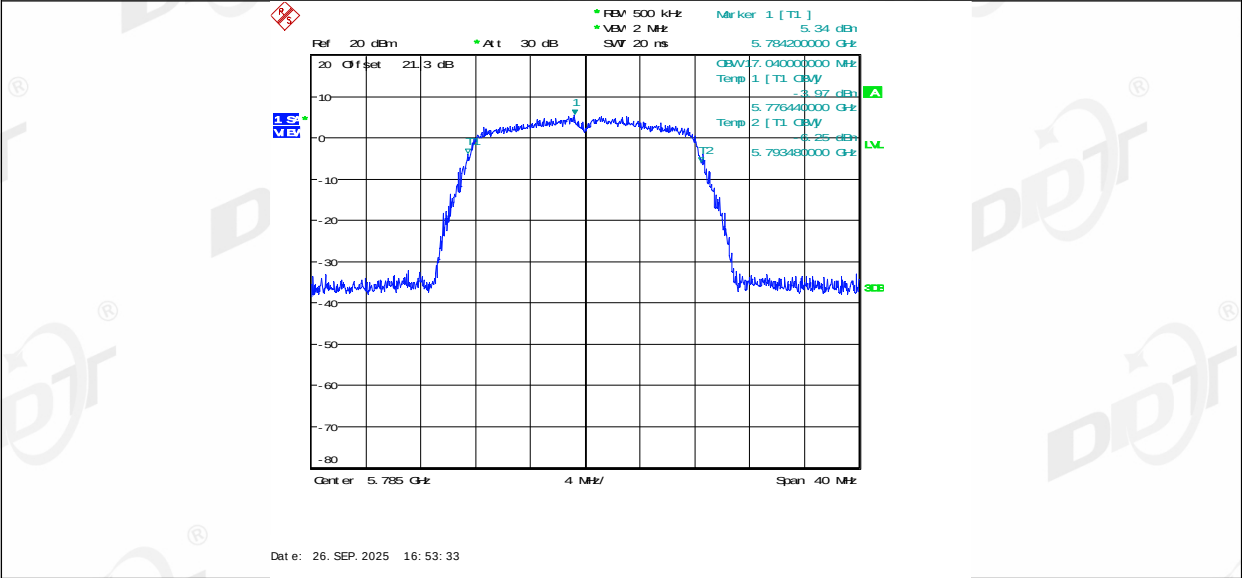




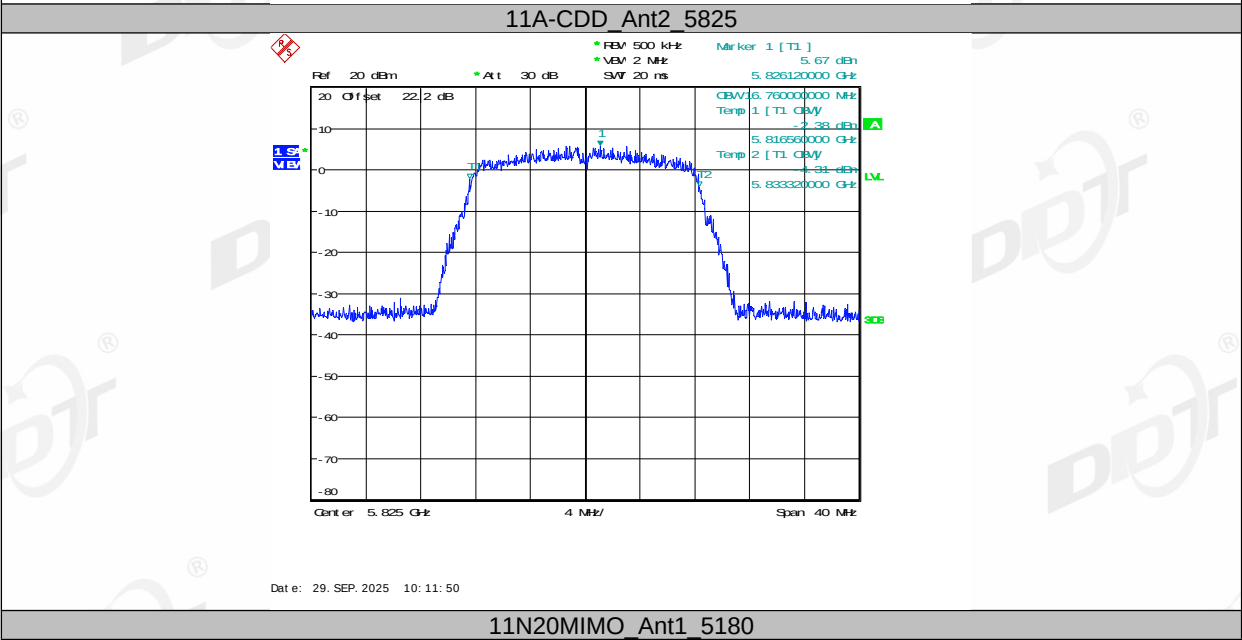
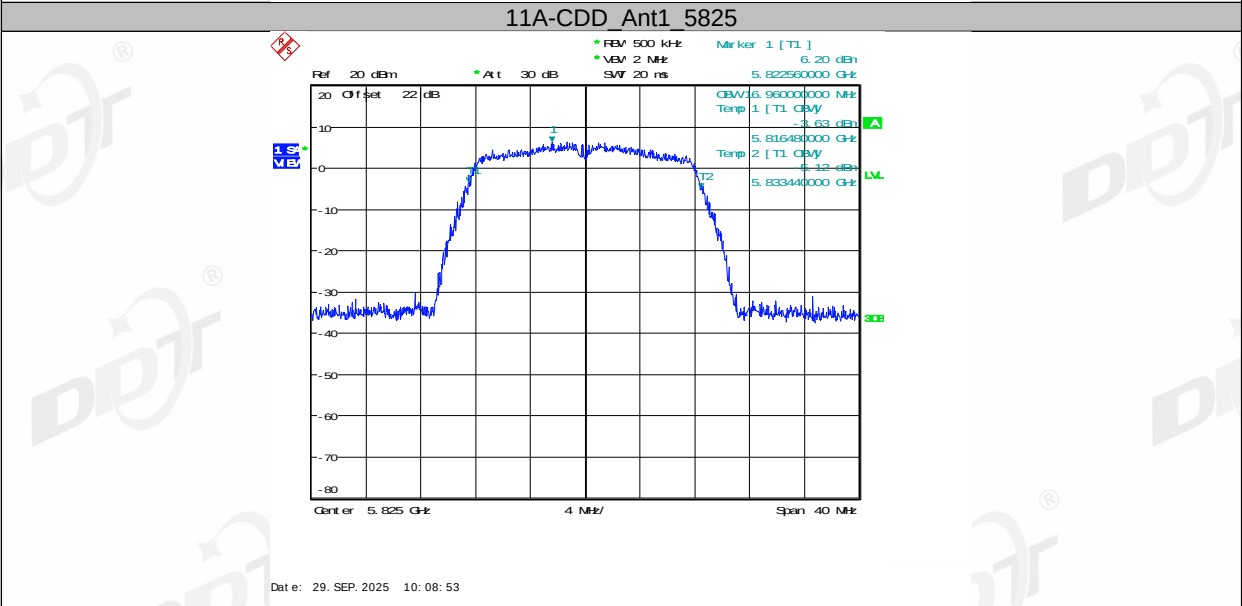
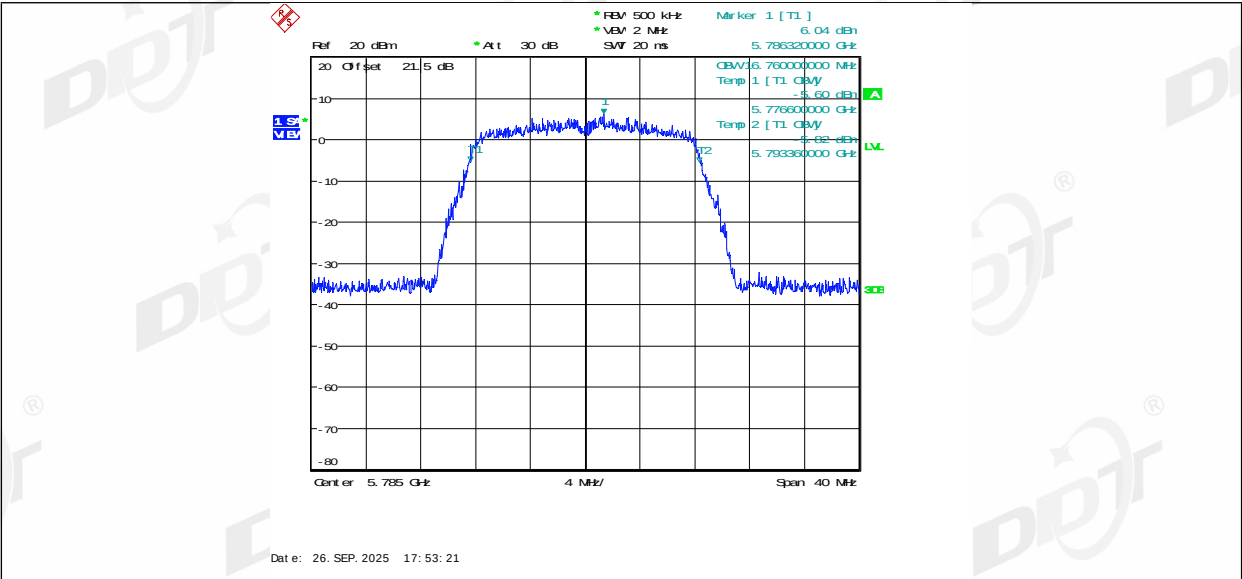
11A-CDD_Ant2_5745

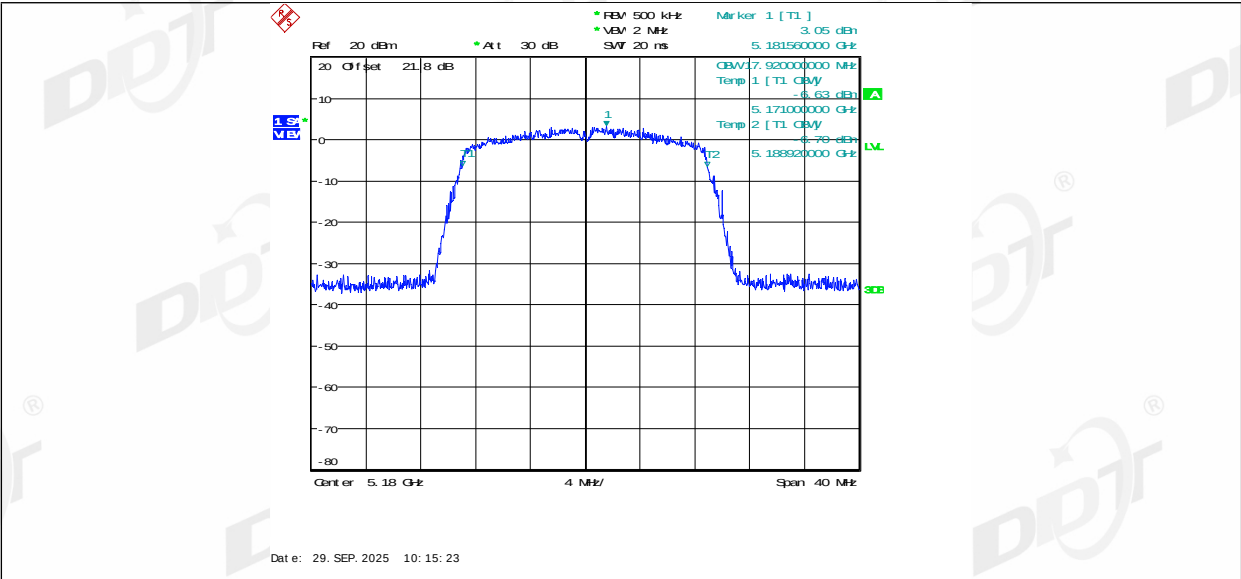


11A-CDD_Ant1_5785

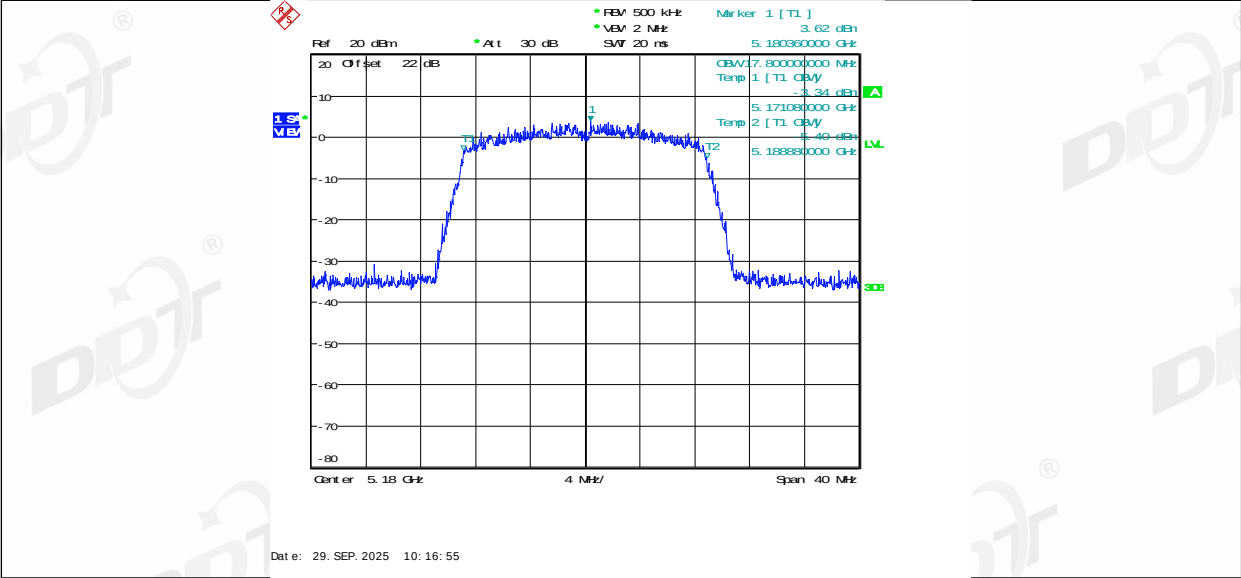


11A-CDD_Ant2_5785

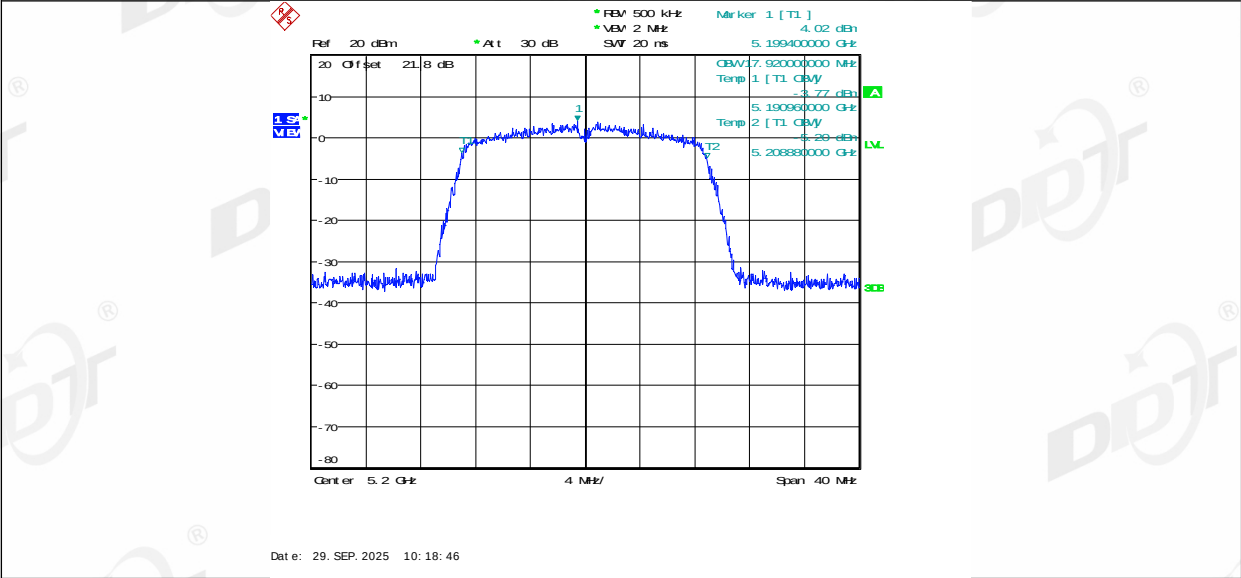




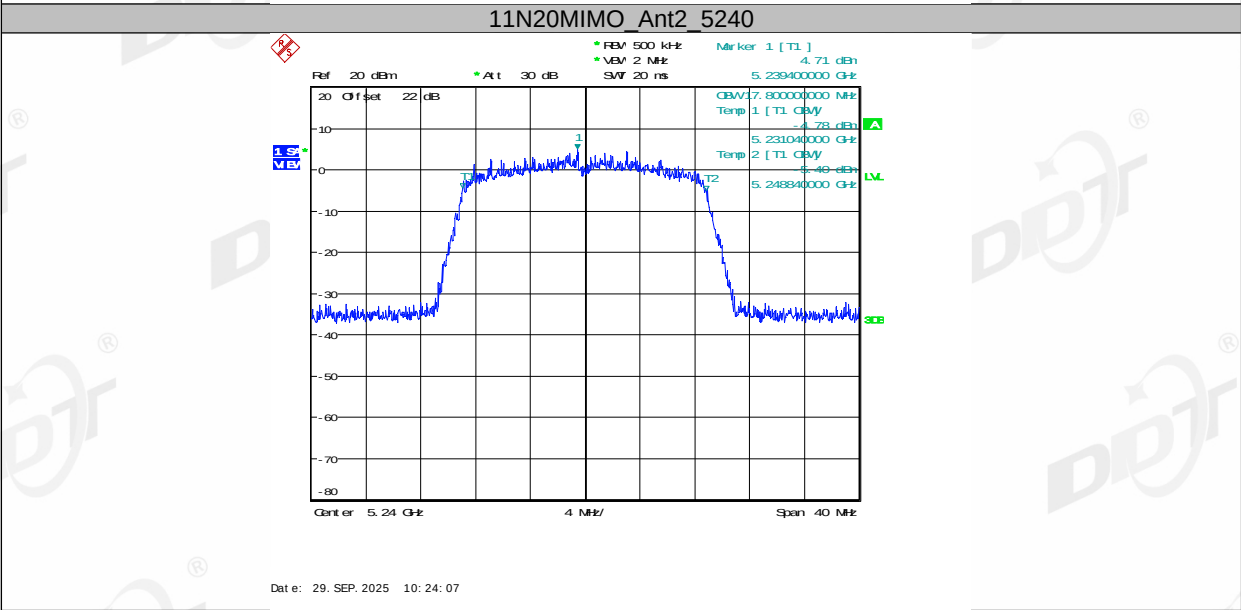
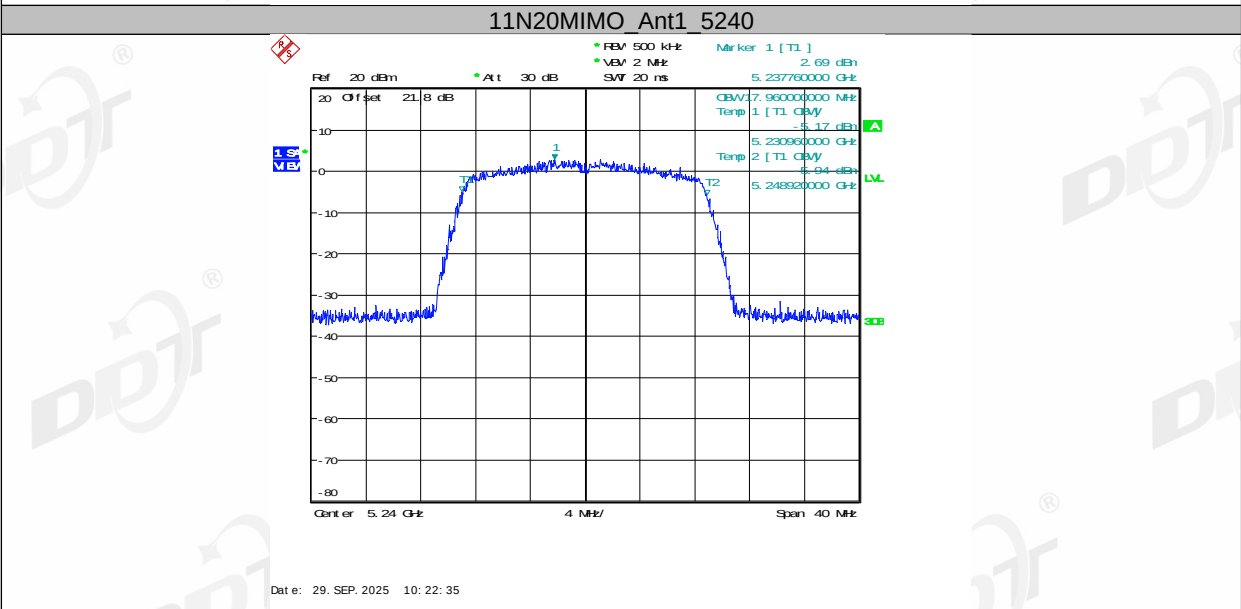
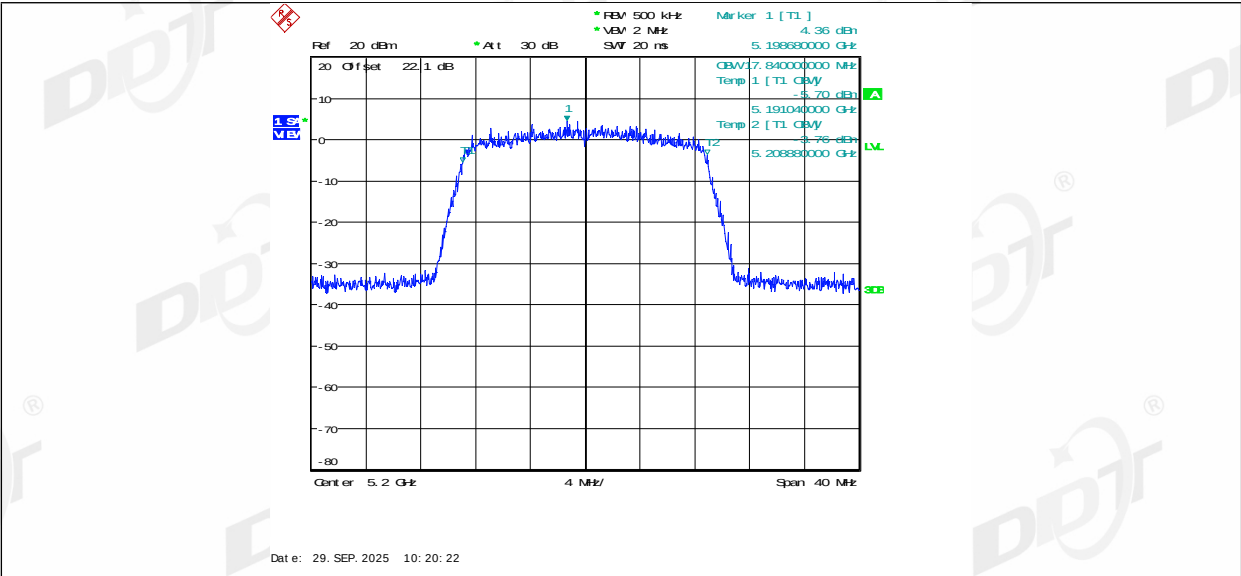
11N20MIMO_Ant2_5180

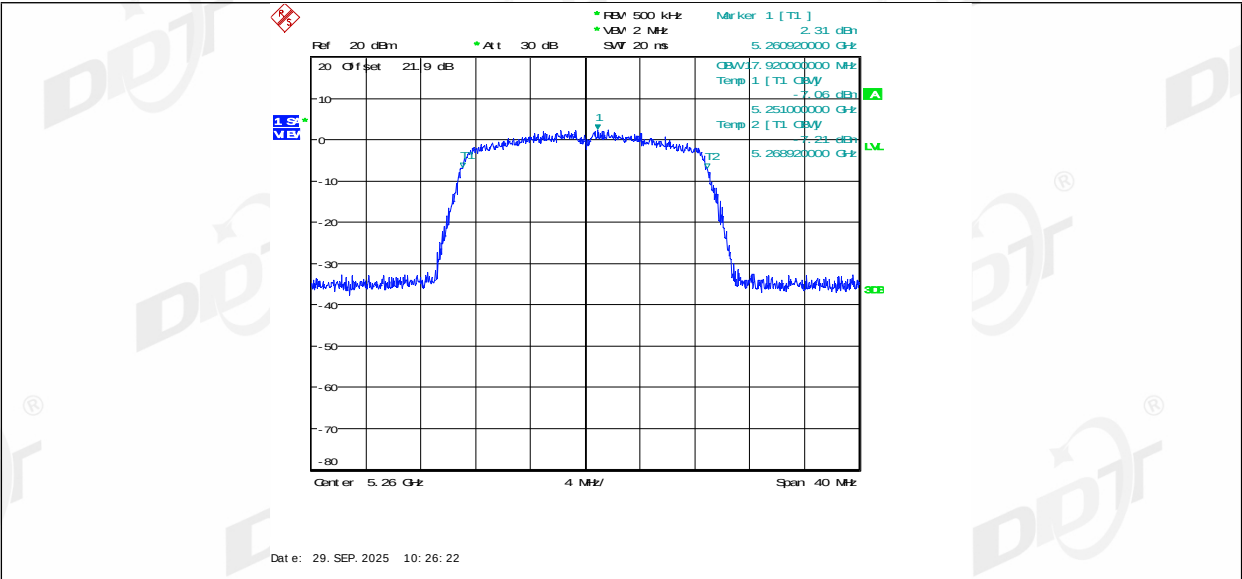


11N20MIMO_Ant1_5200

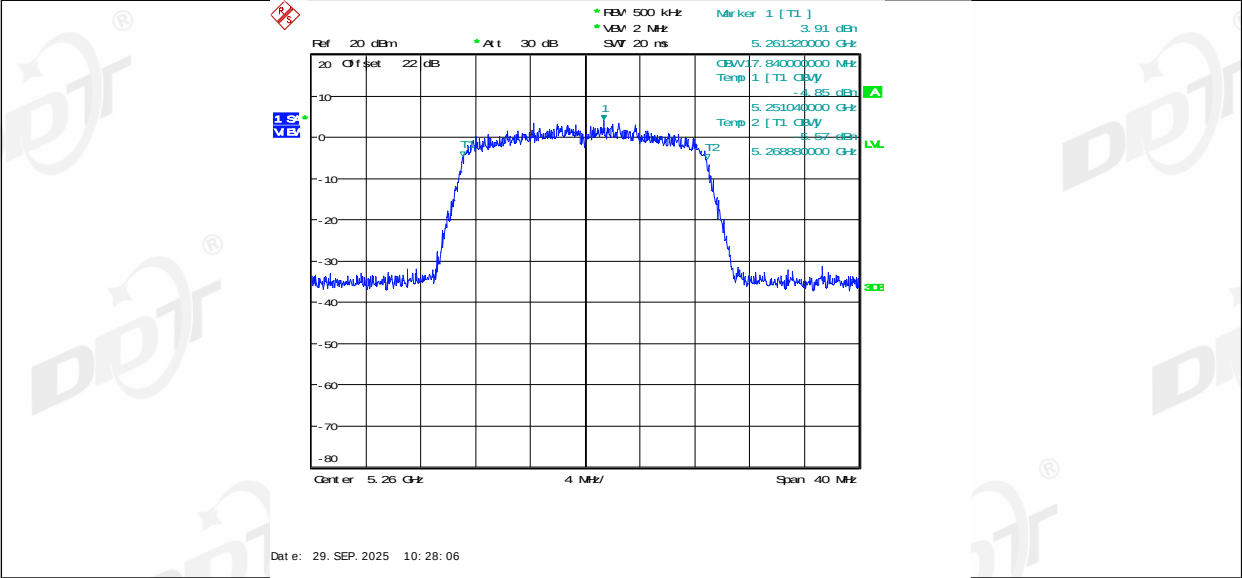


11N20MIMO_Ant2_5200

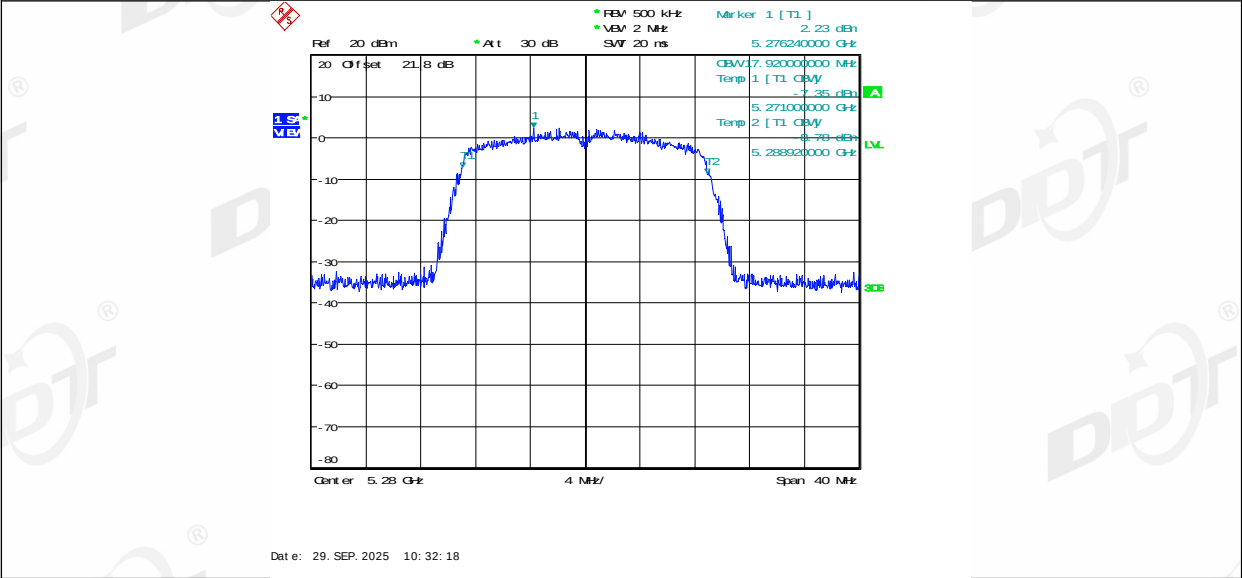




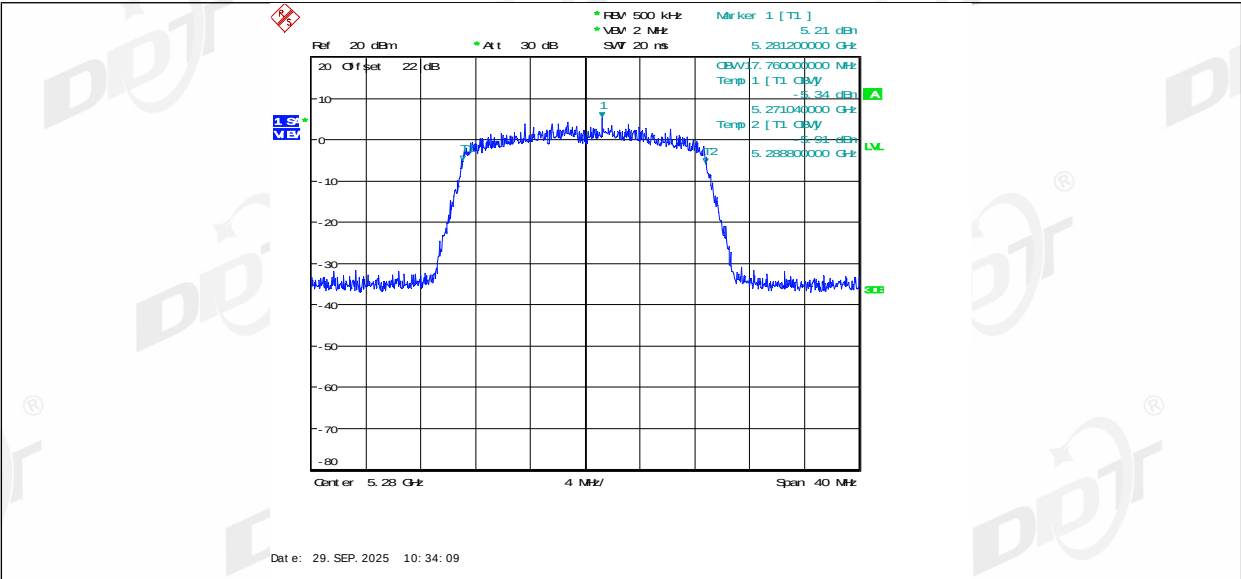
11N20MIMO_Ant2_5260



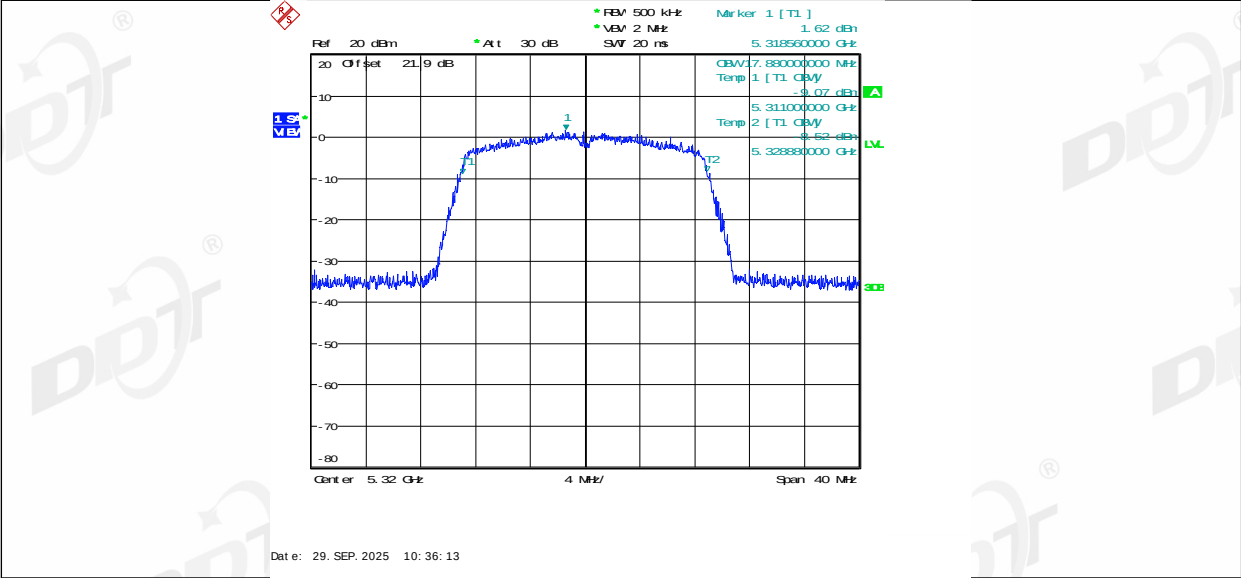
11N20MIMO_Ant1_5280



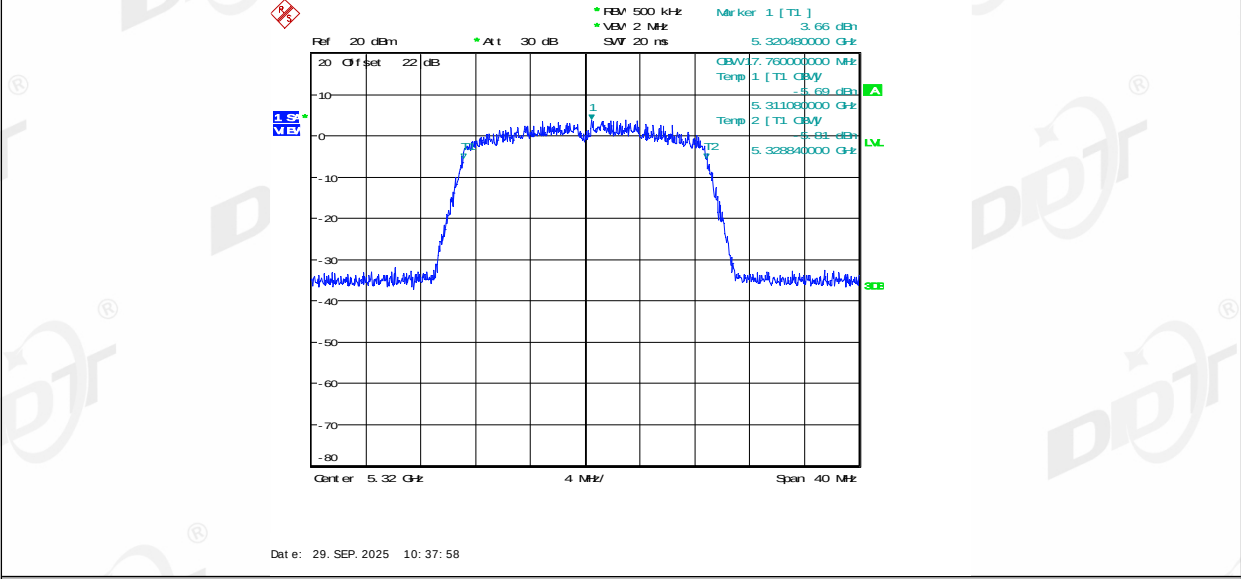
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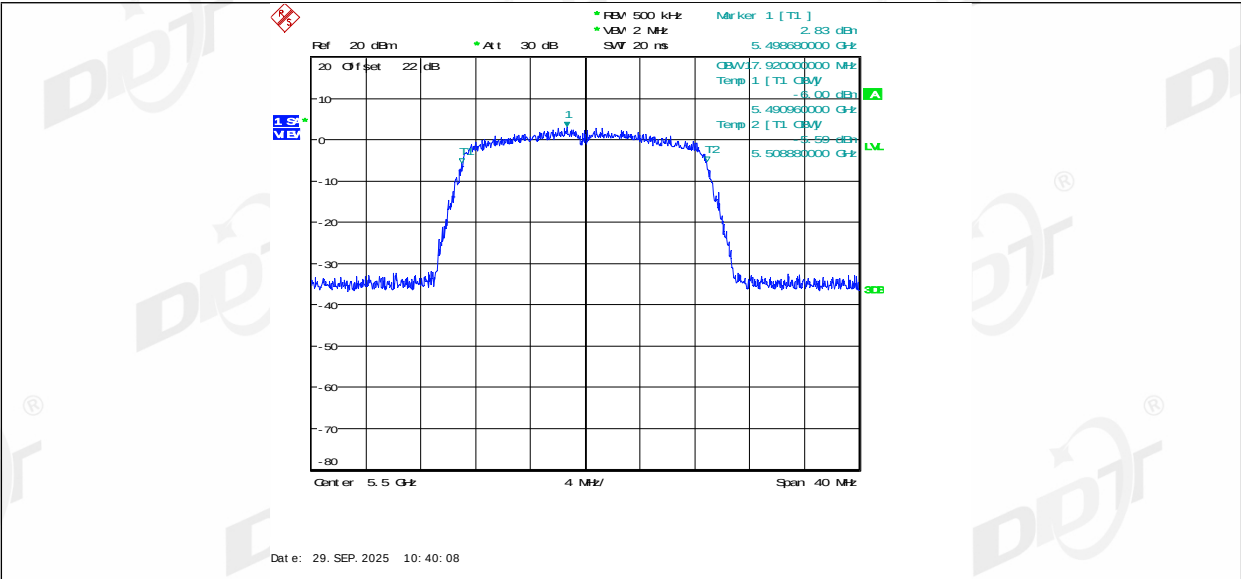
11N20MIMO_Ant1_5320



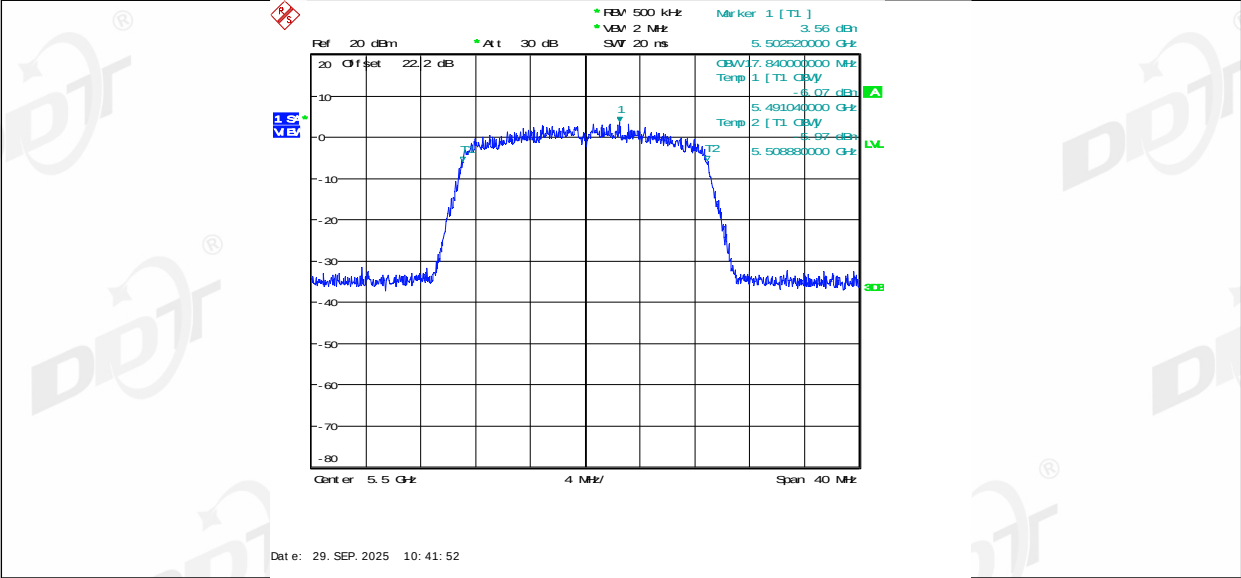
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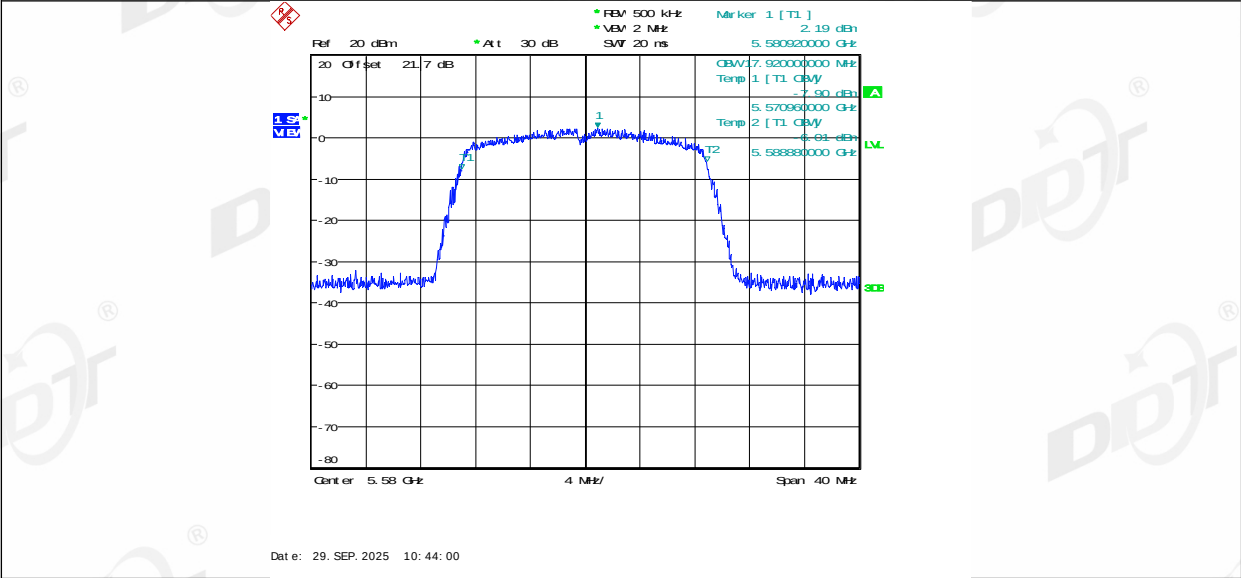
11N20MIMO_Ant1_5500



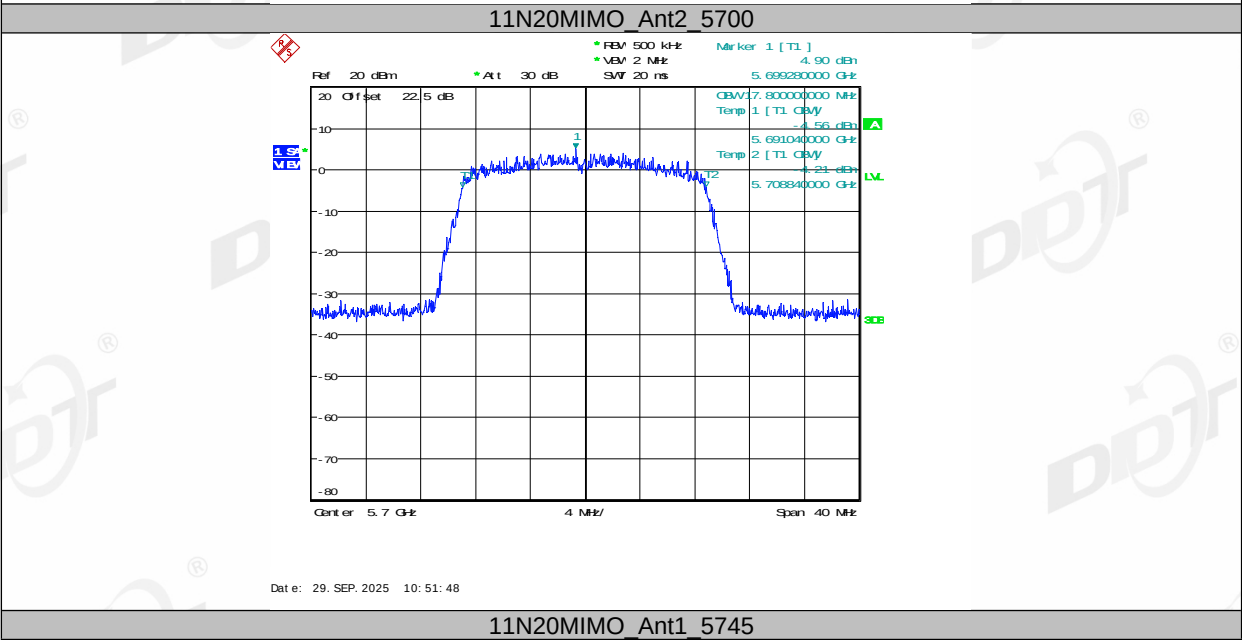
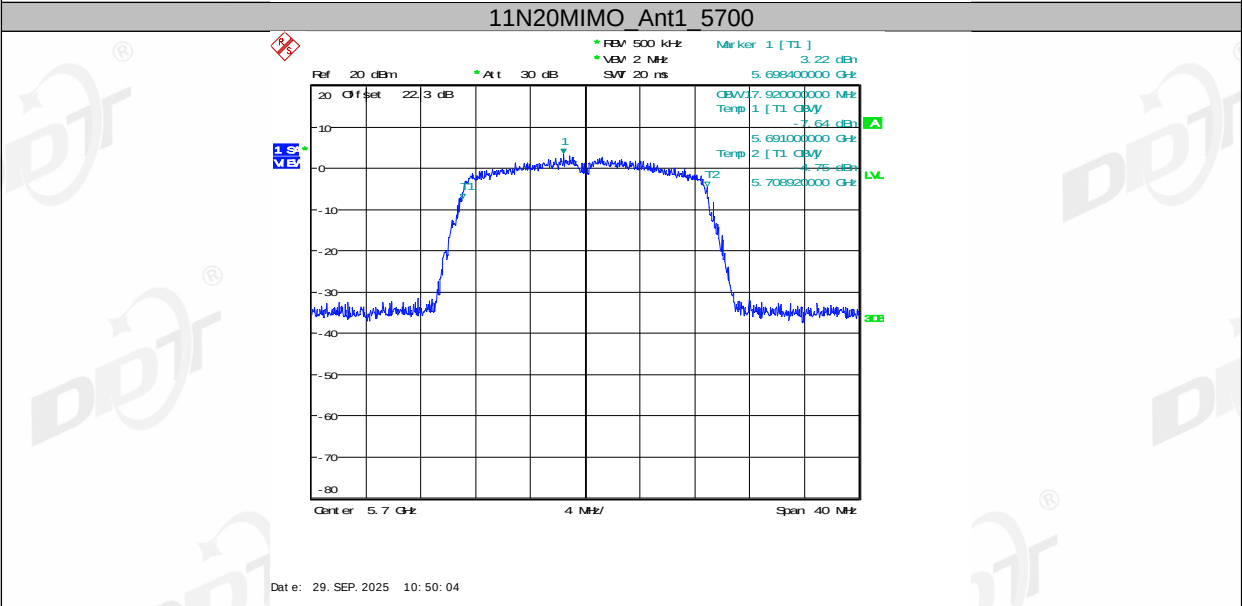
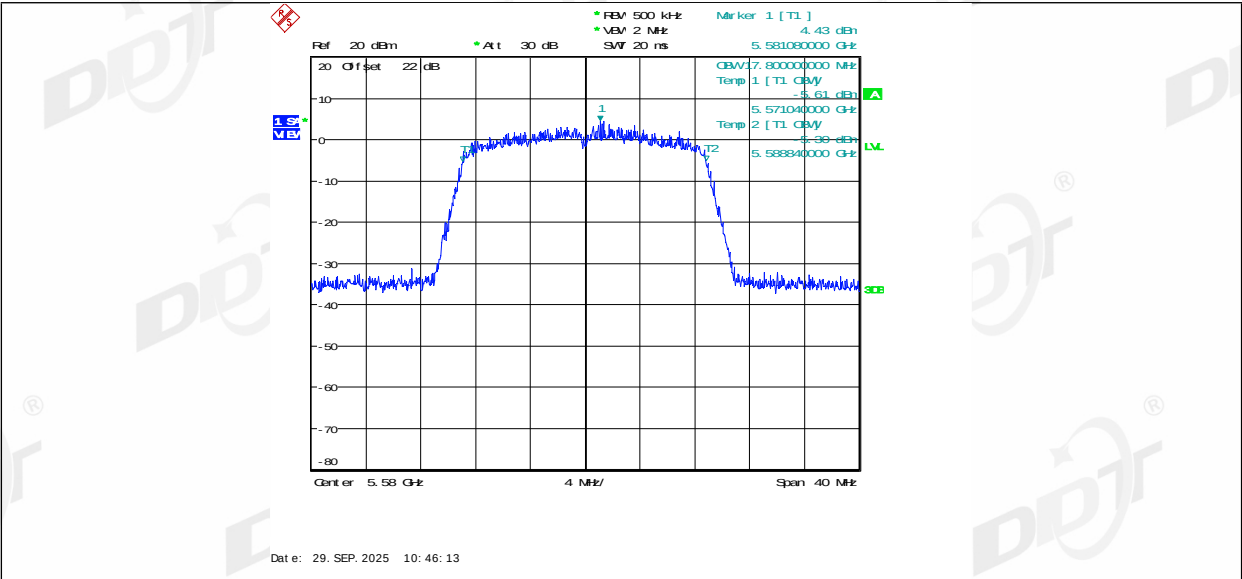
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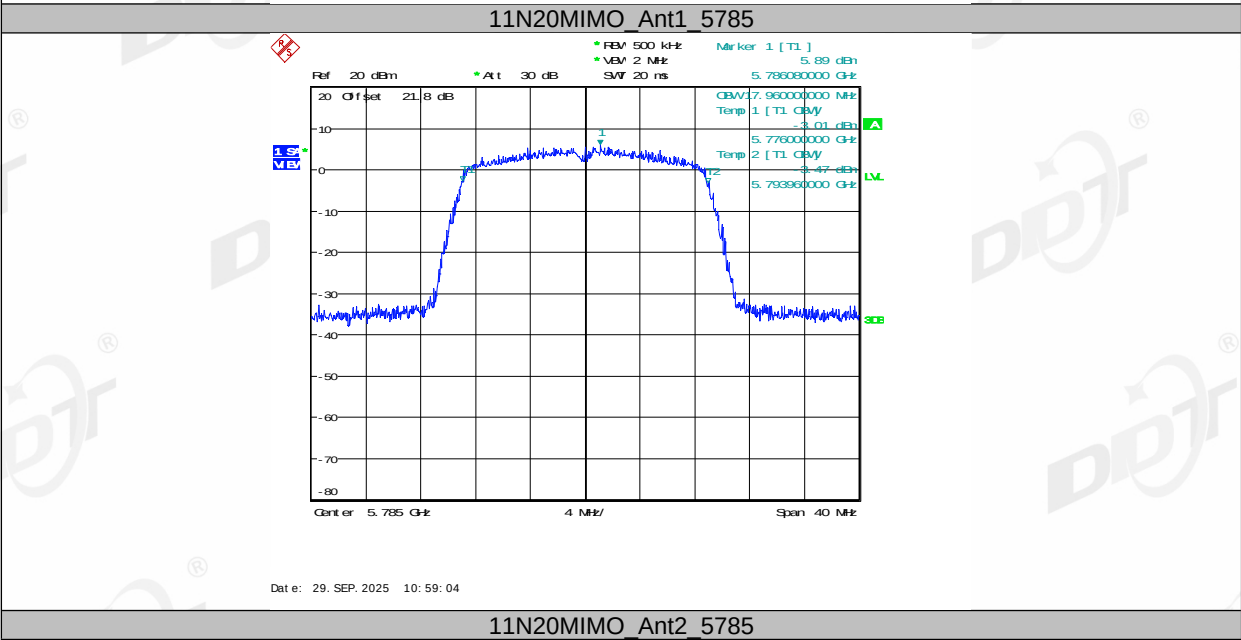
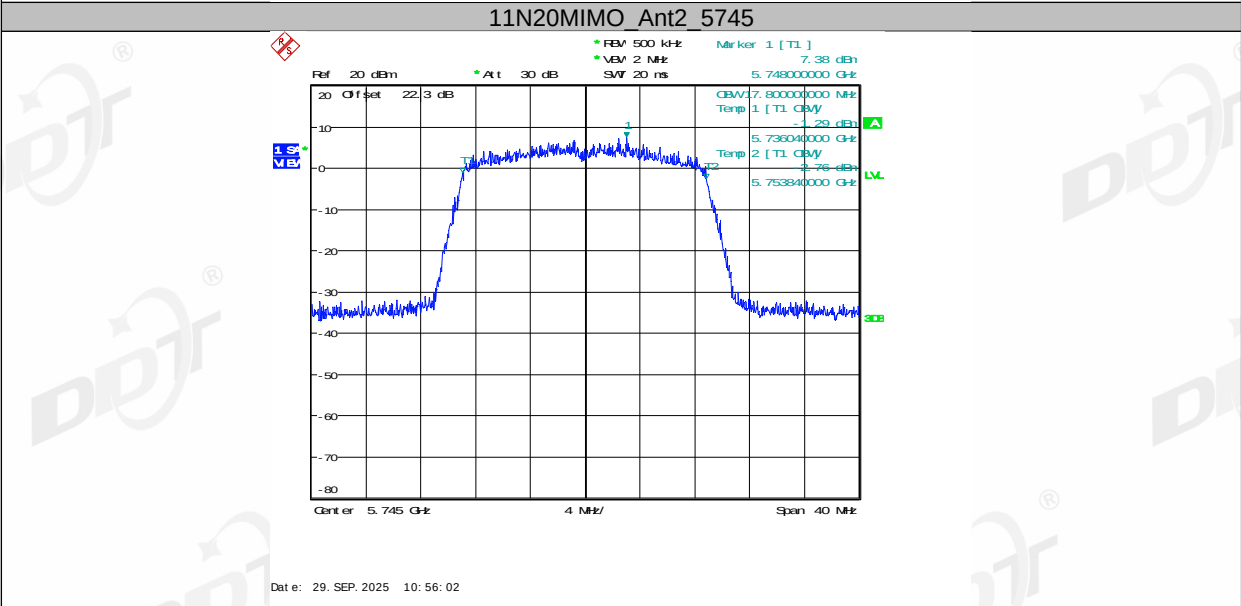
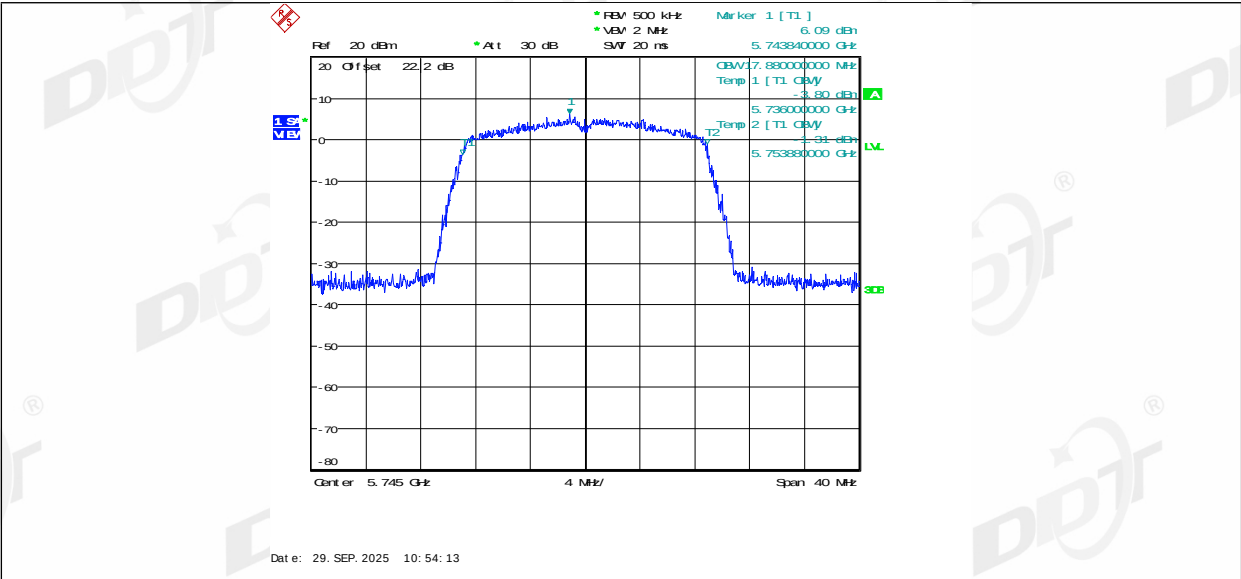


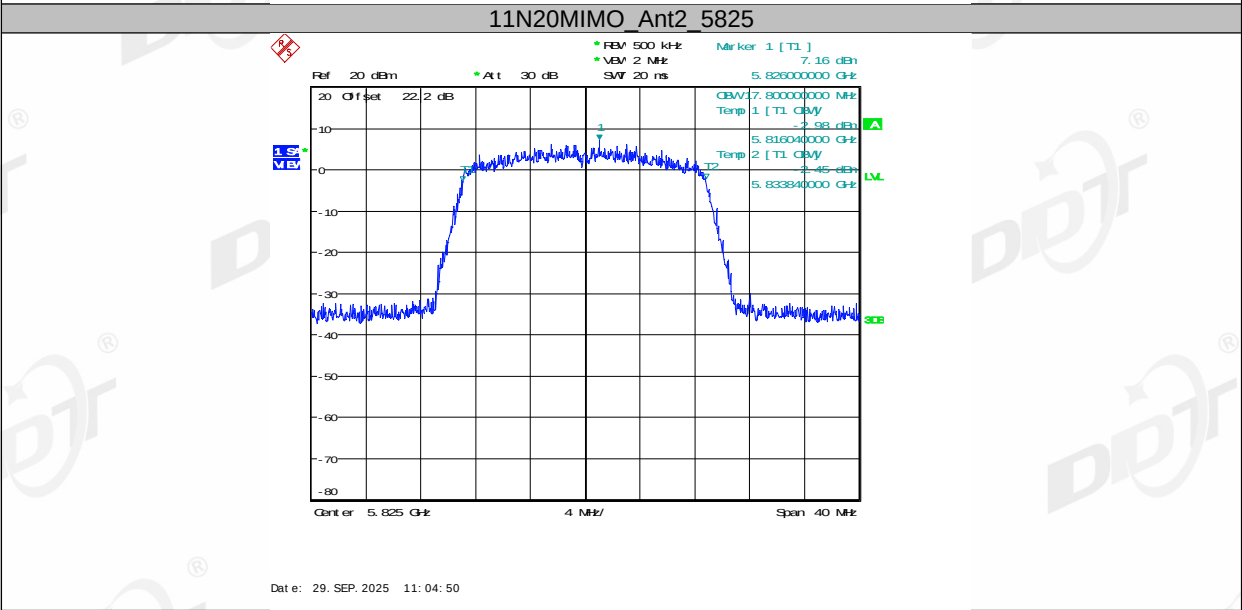
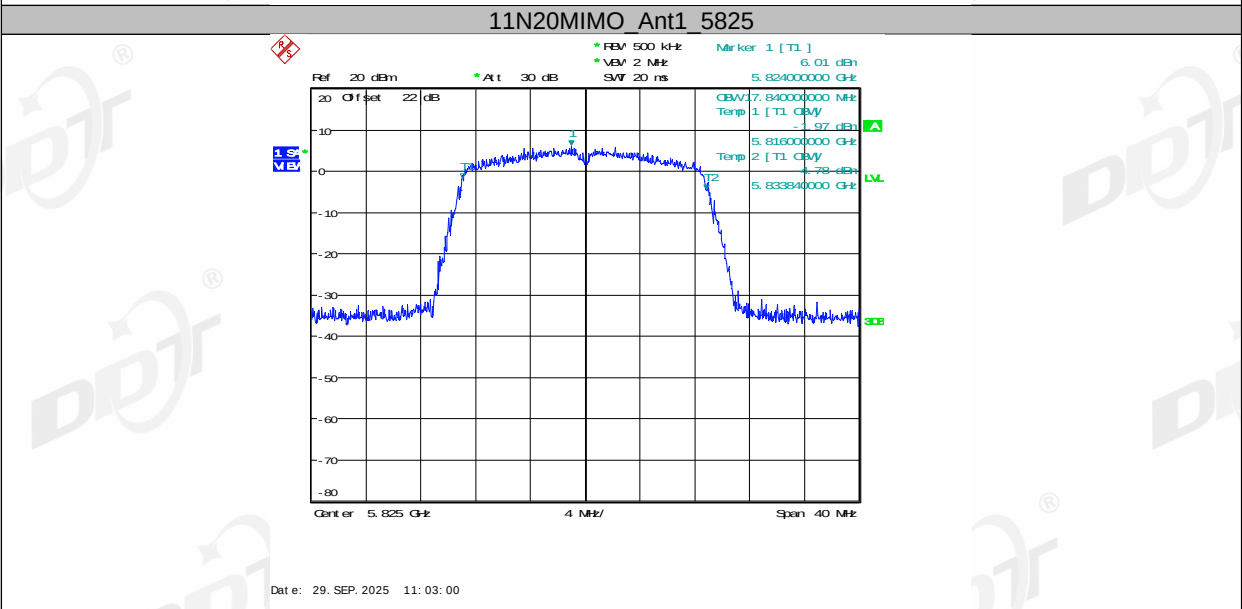
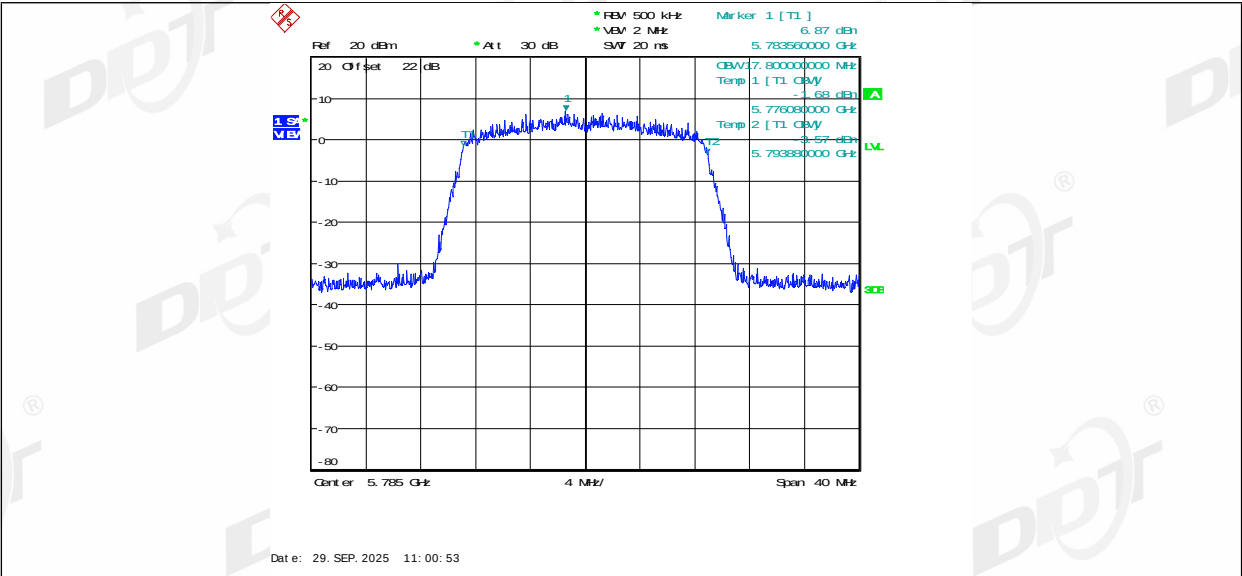
11N20MIMO_Ant1_5580

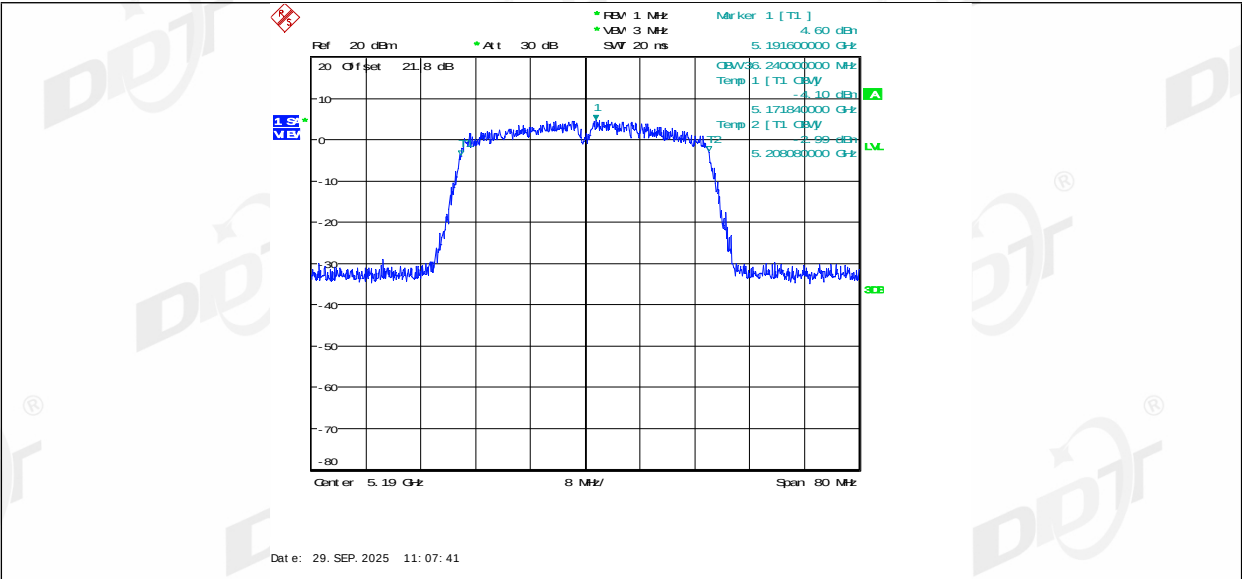


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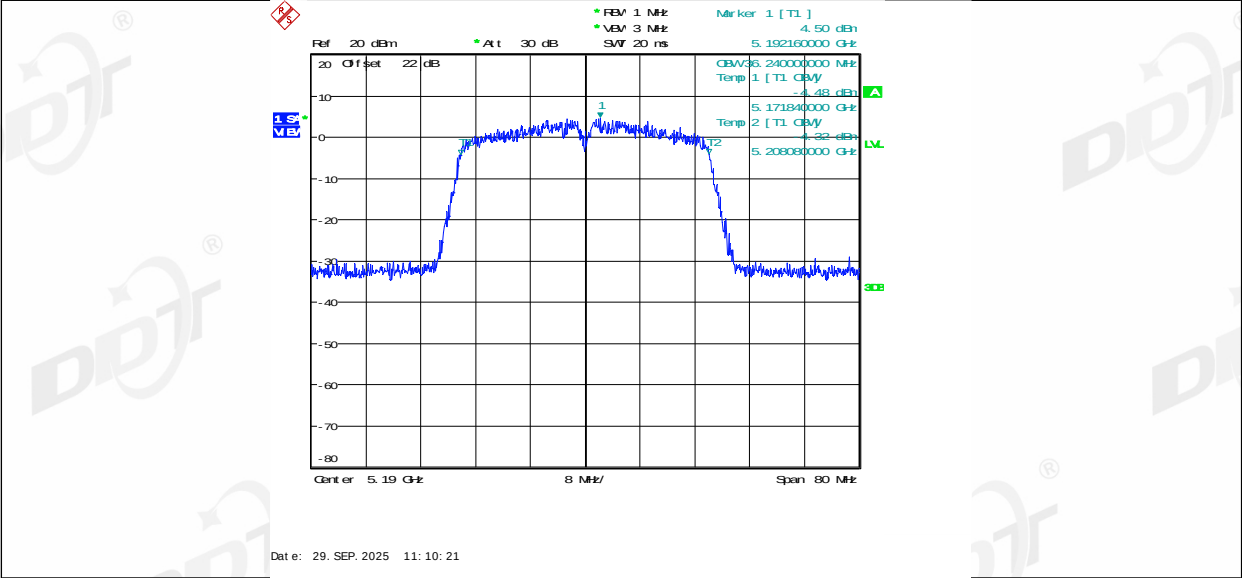




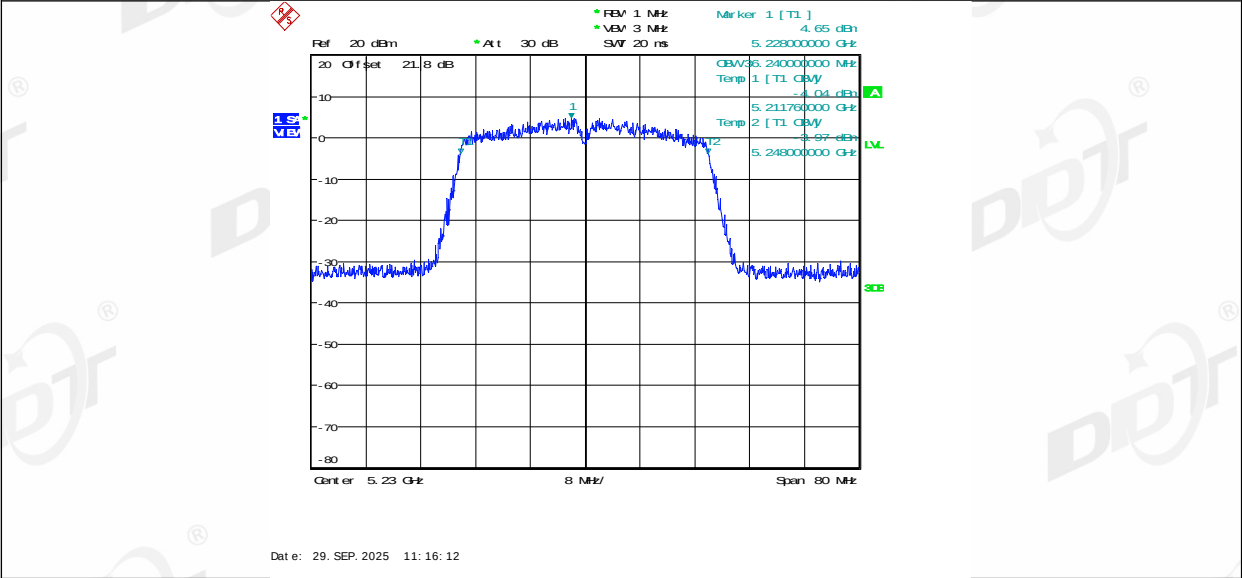




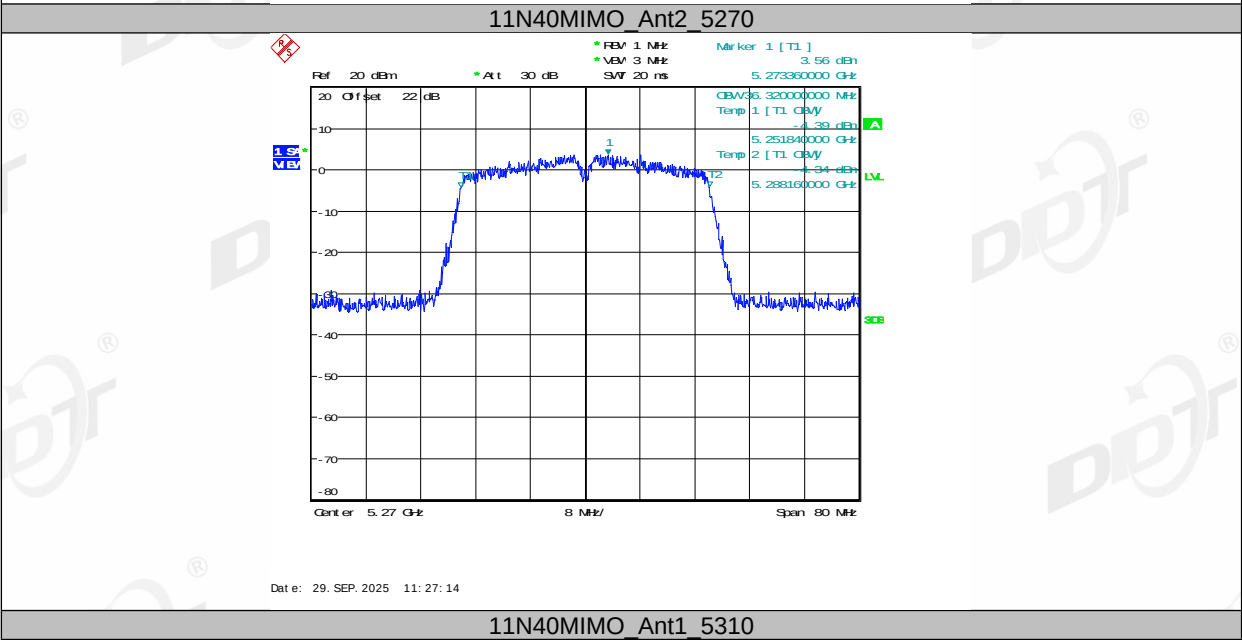
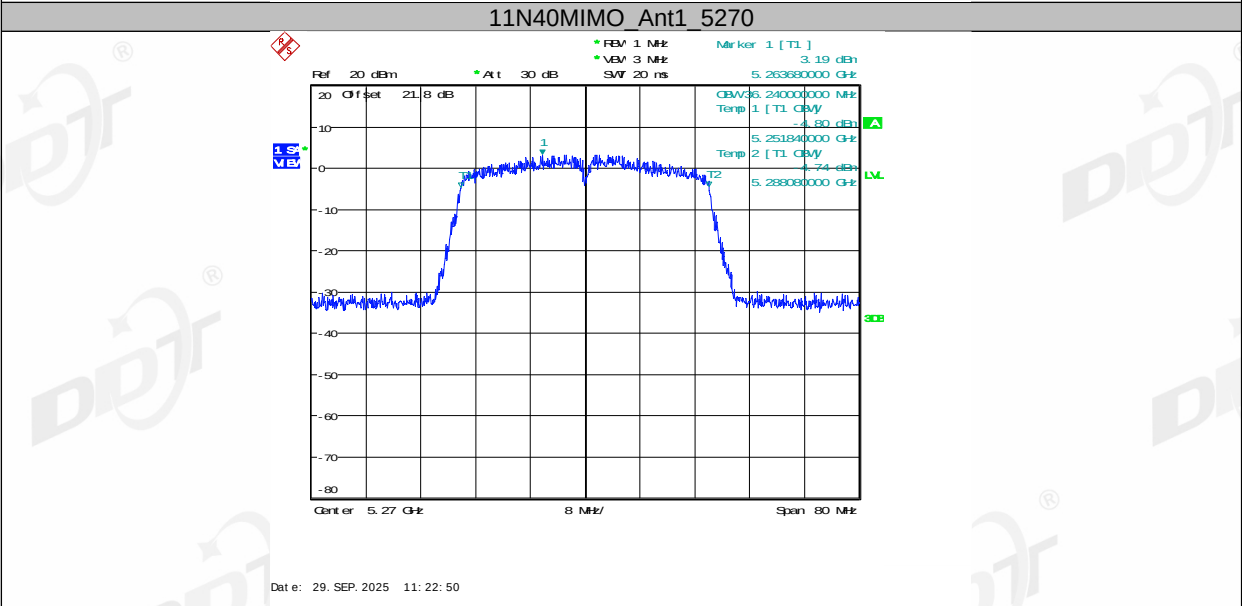
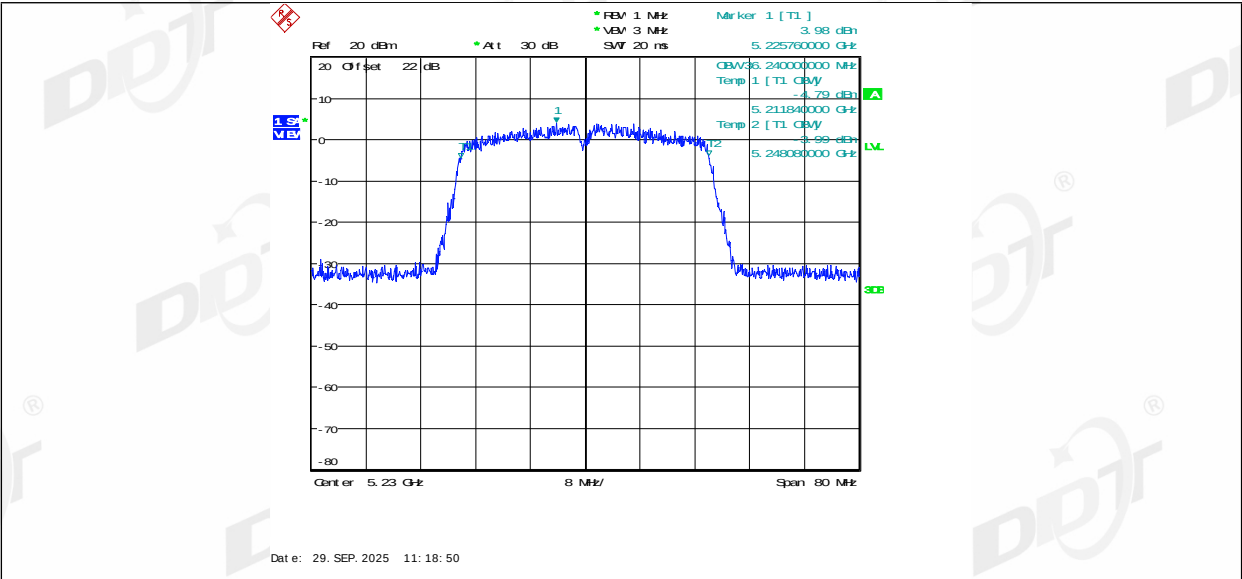
11N40MIMO_Ant2_5190

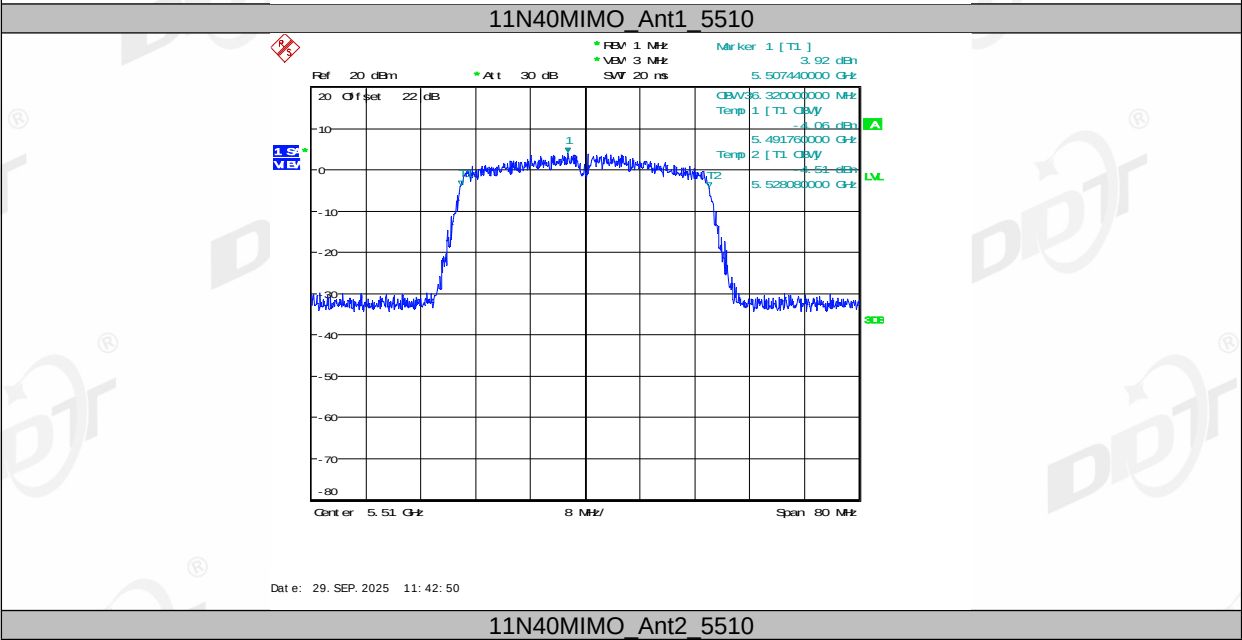
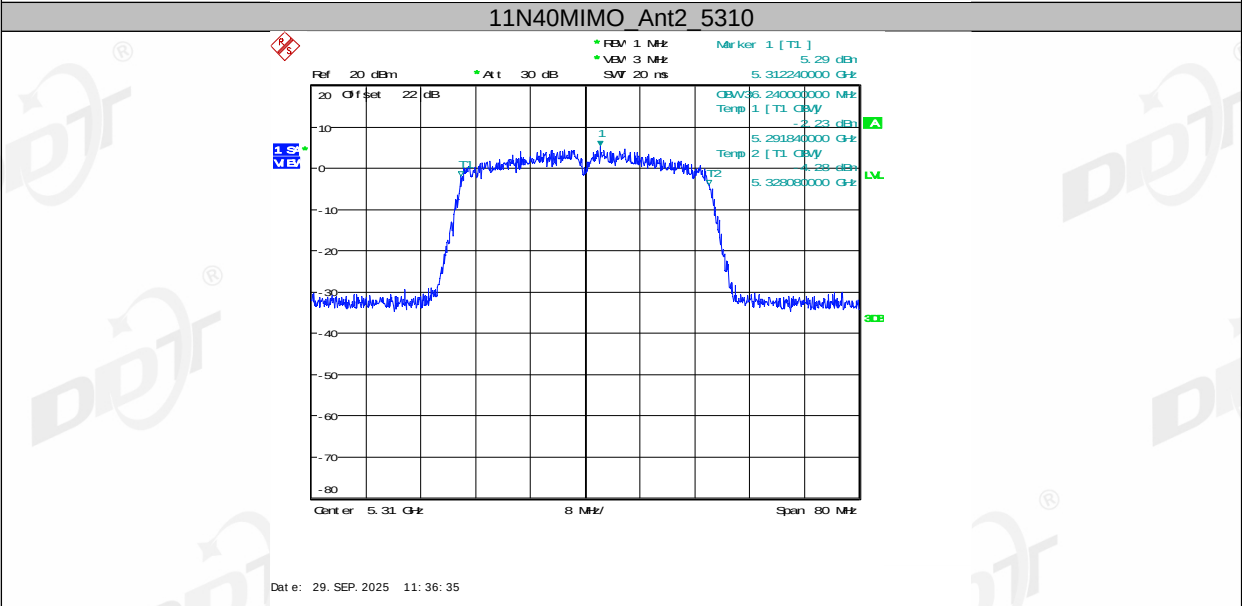
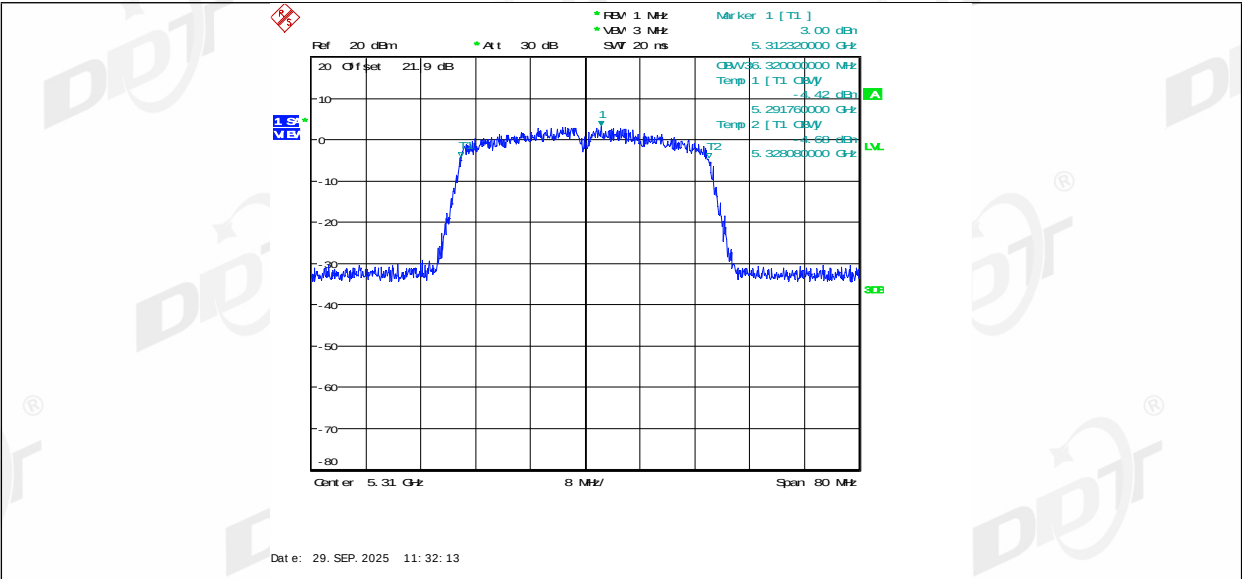


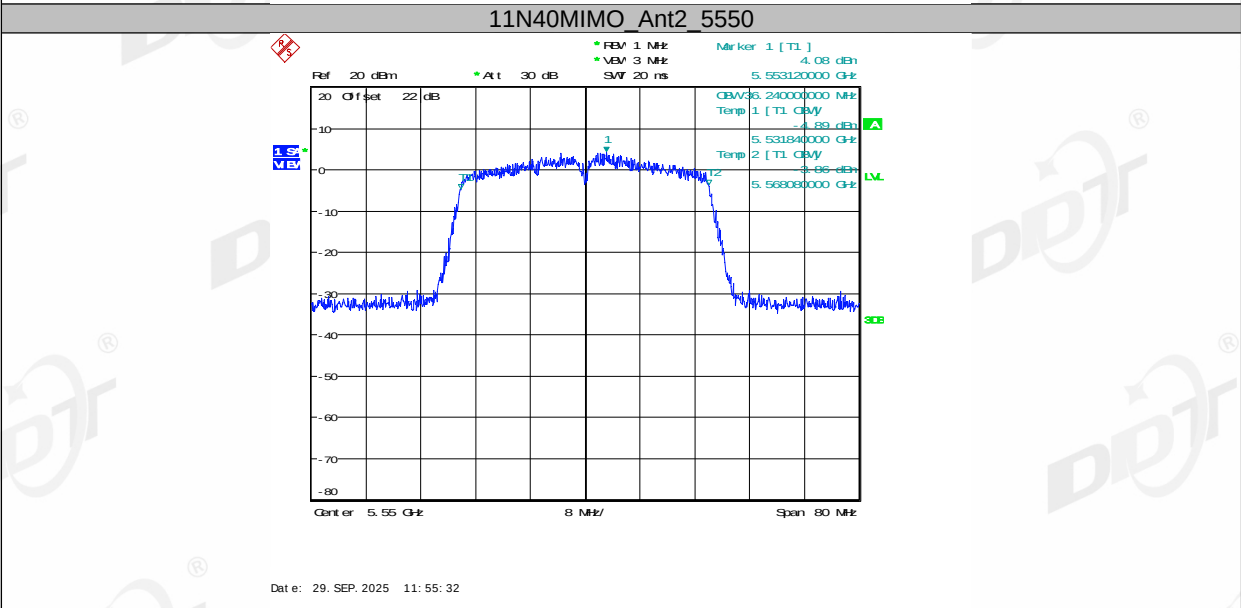
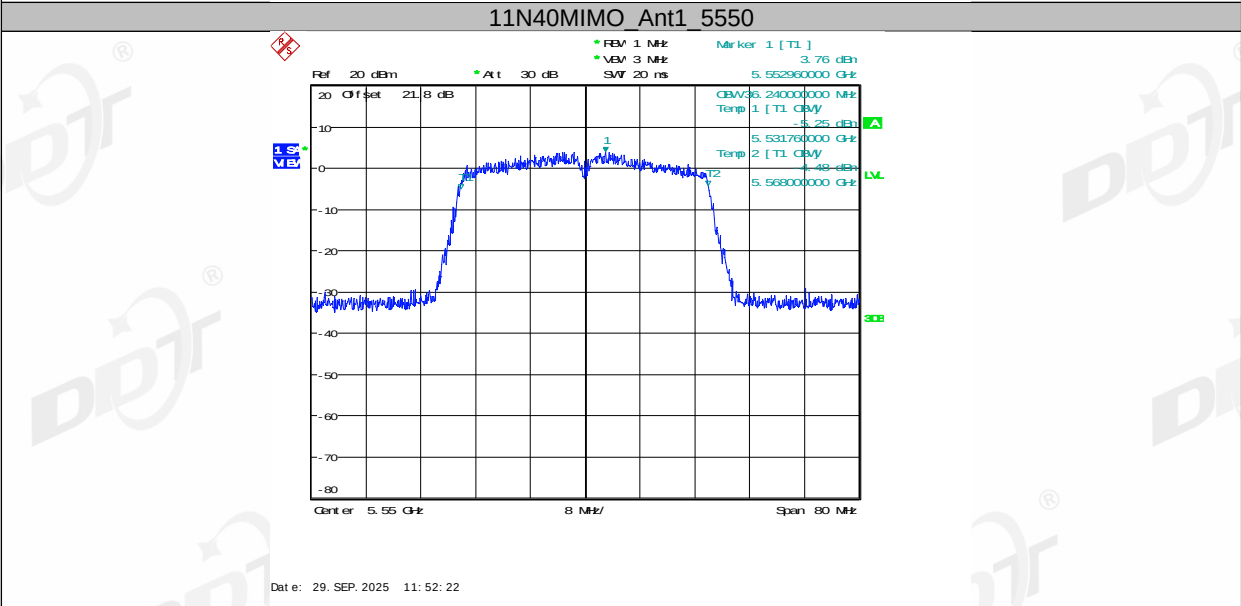
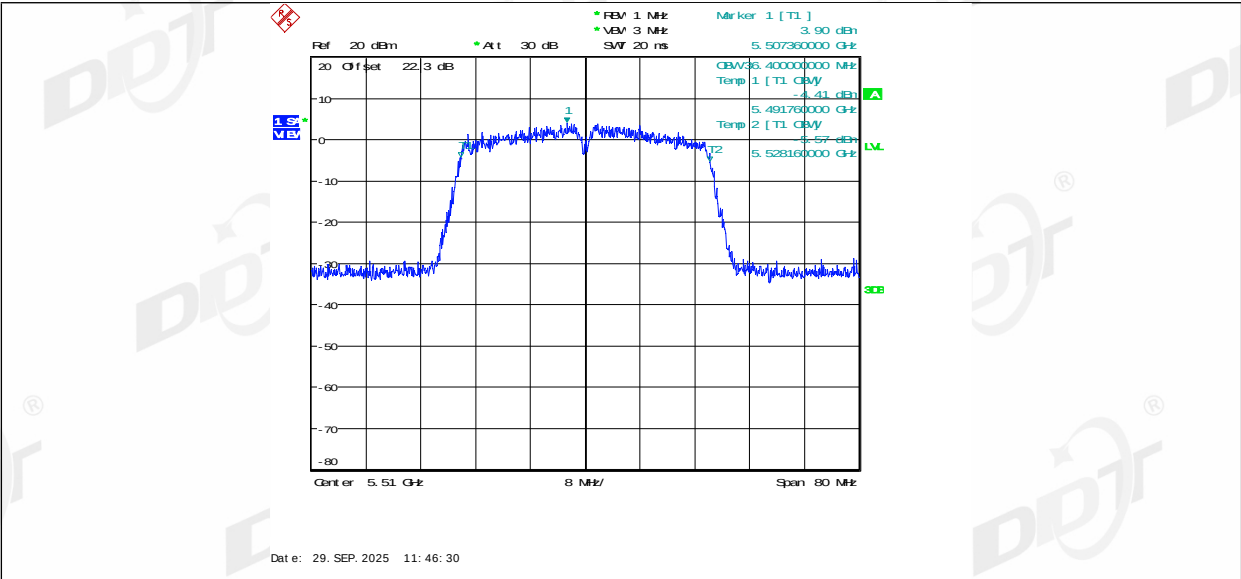
11N40MIMO_Ant1_5230



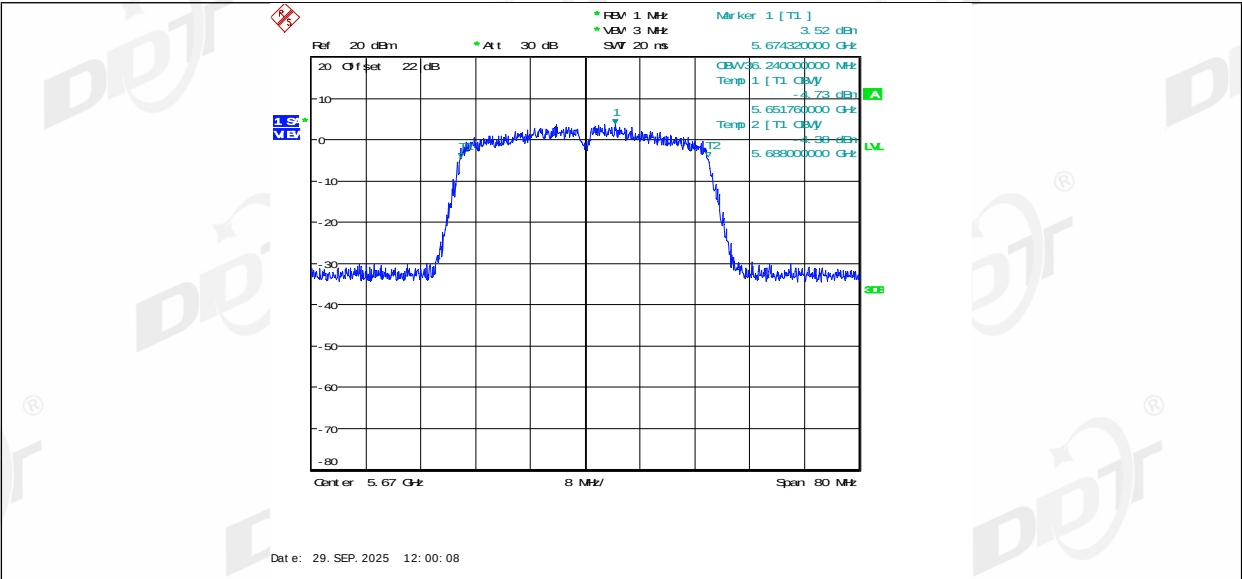
11N40MIMO_Ant2_5230



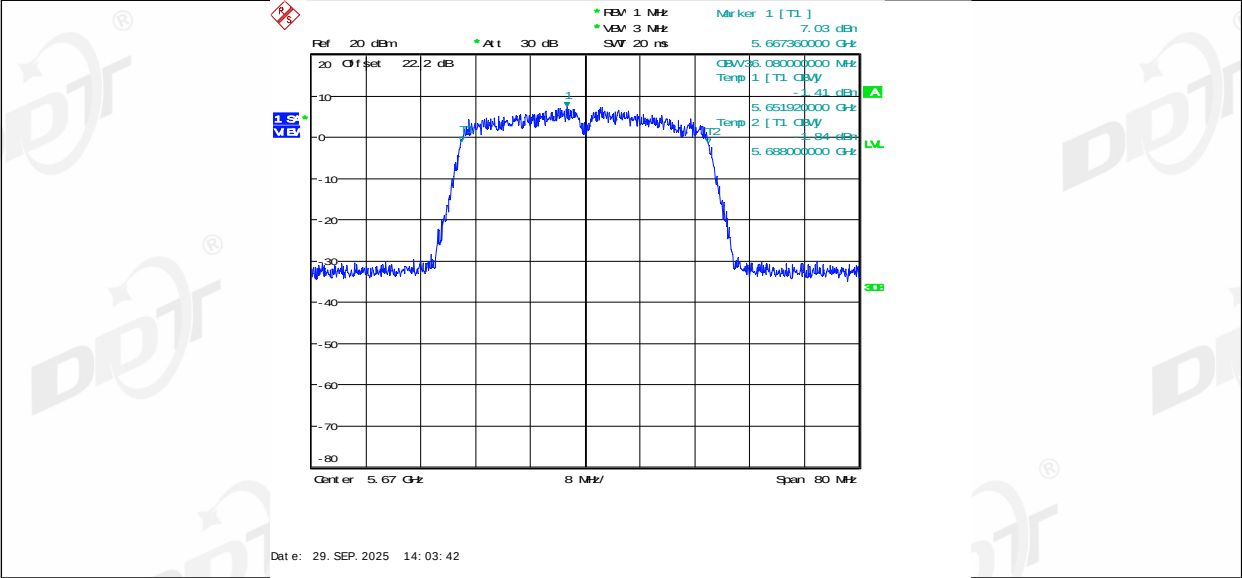




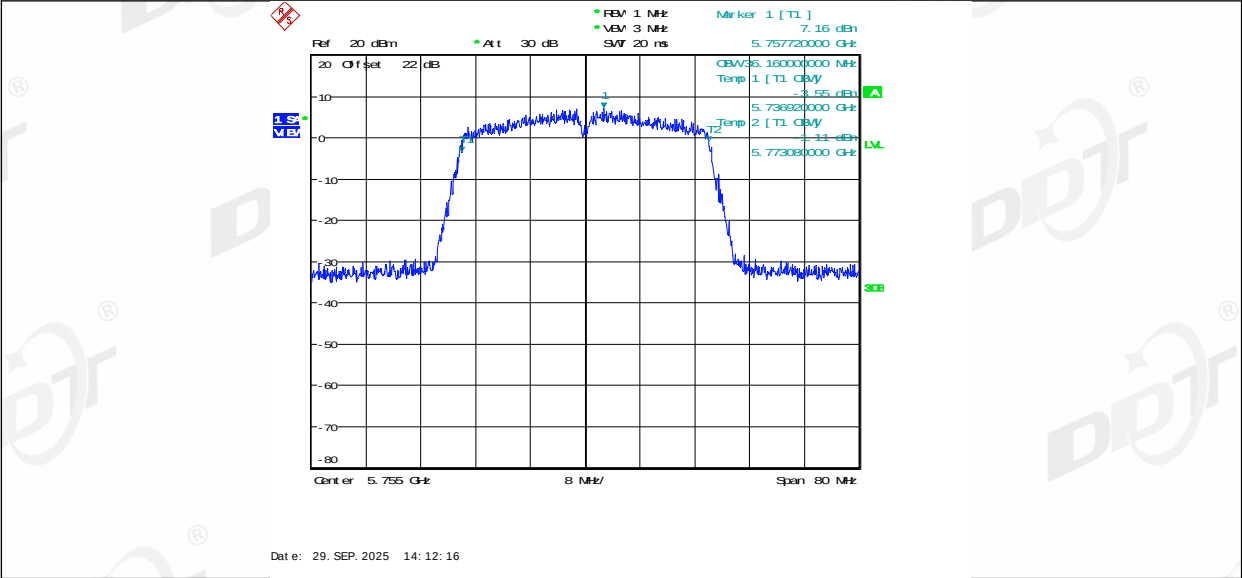
11N40MIMO_Ant1_5670



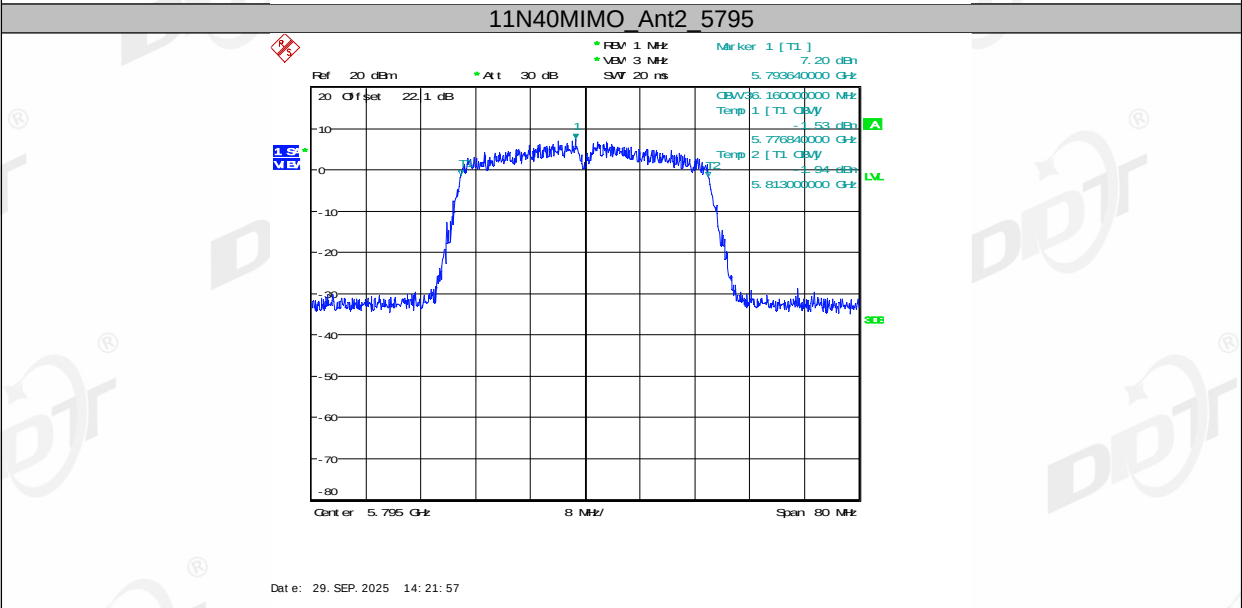
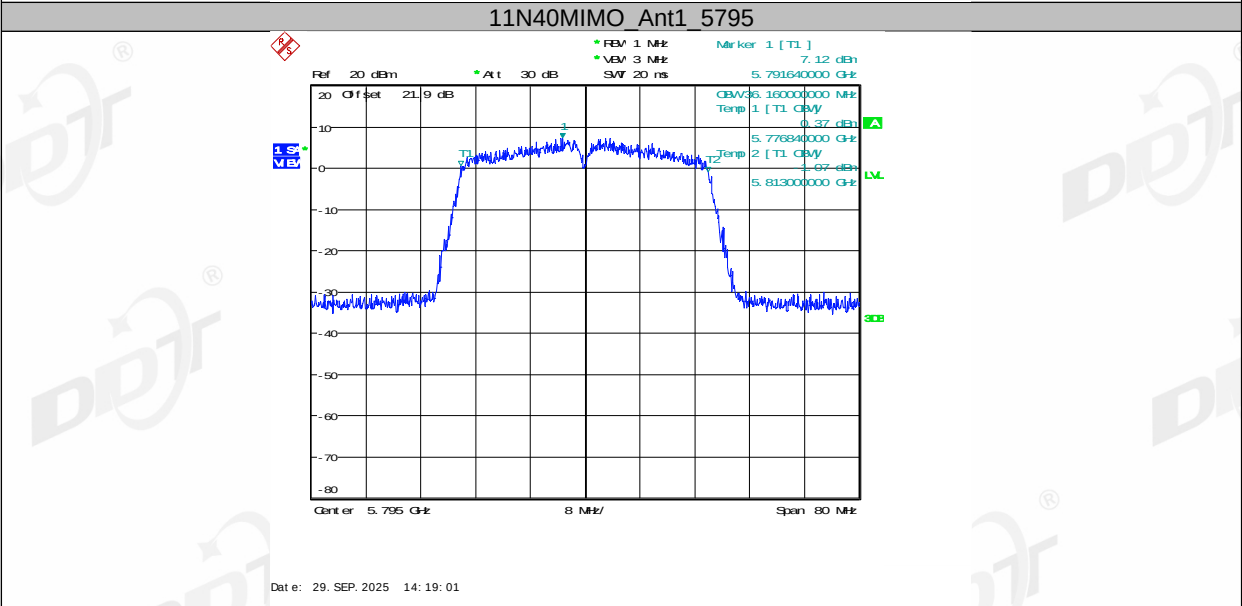
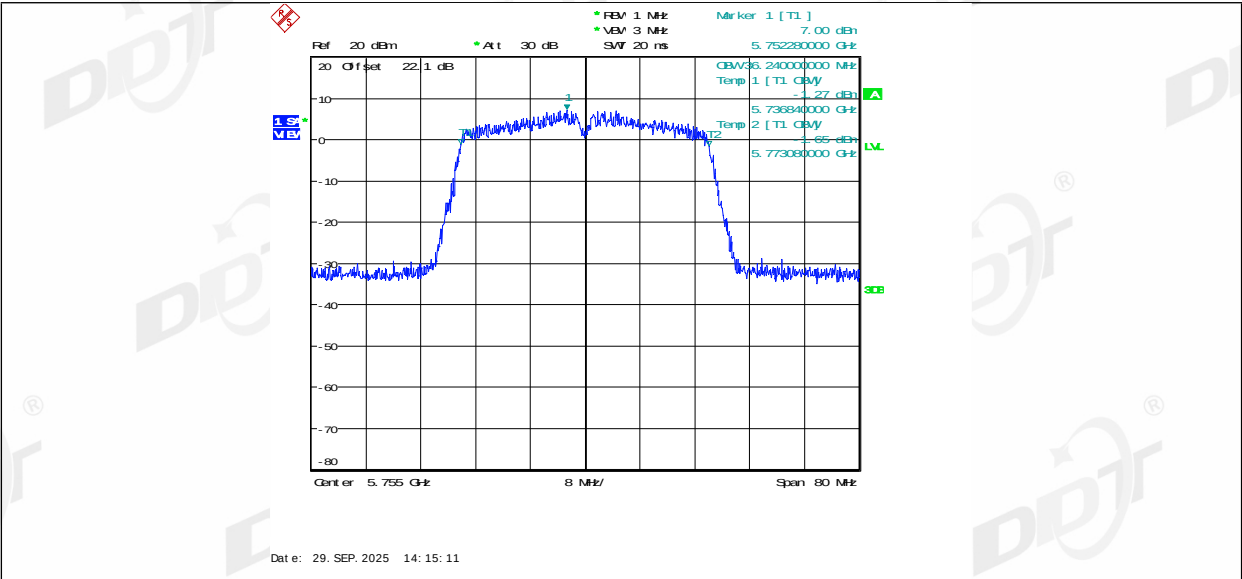
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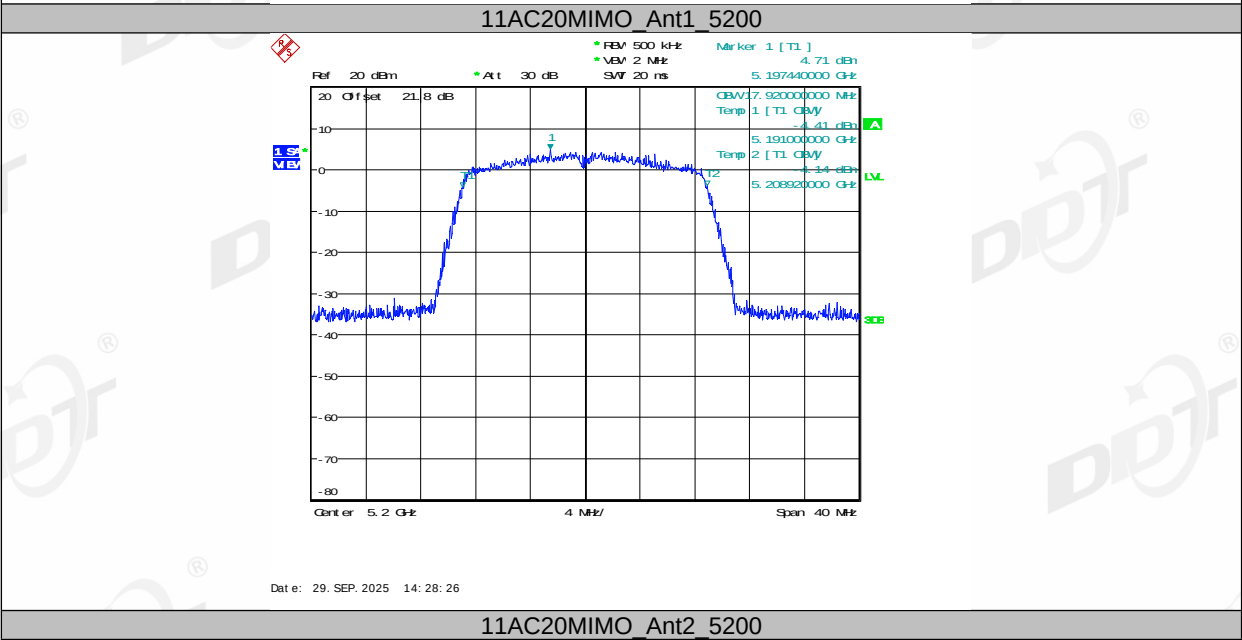
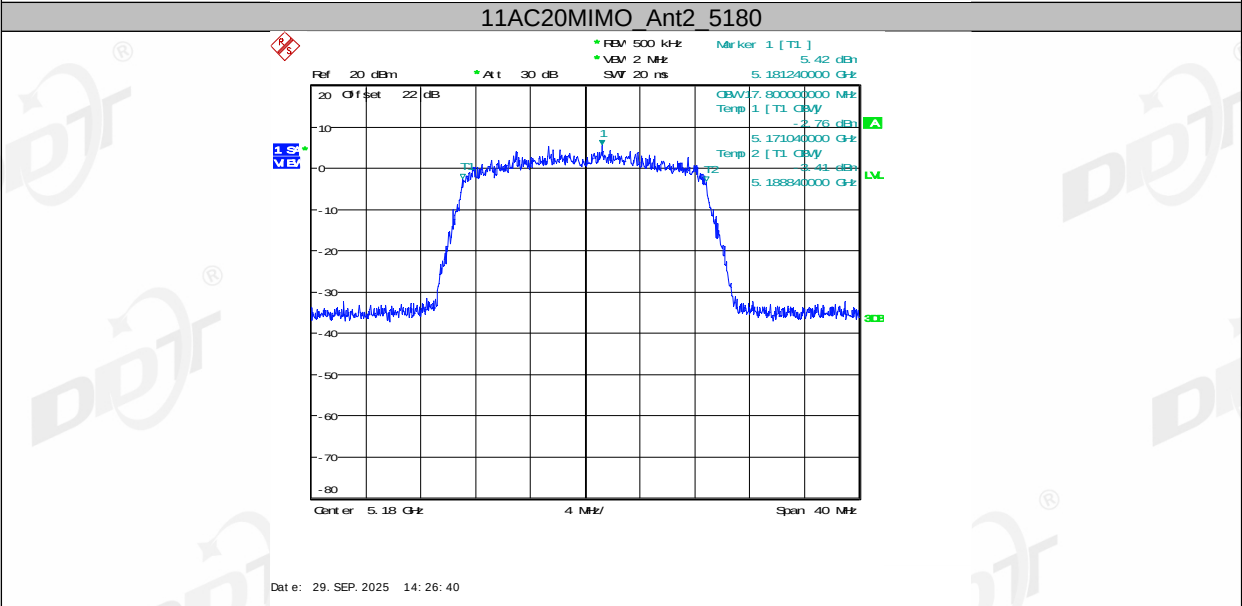
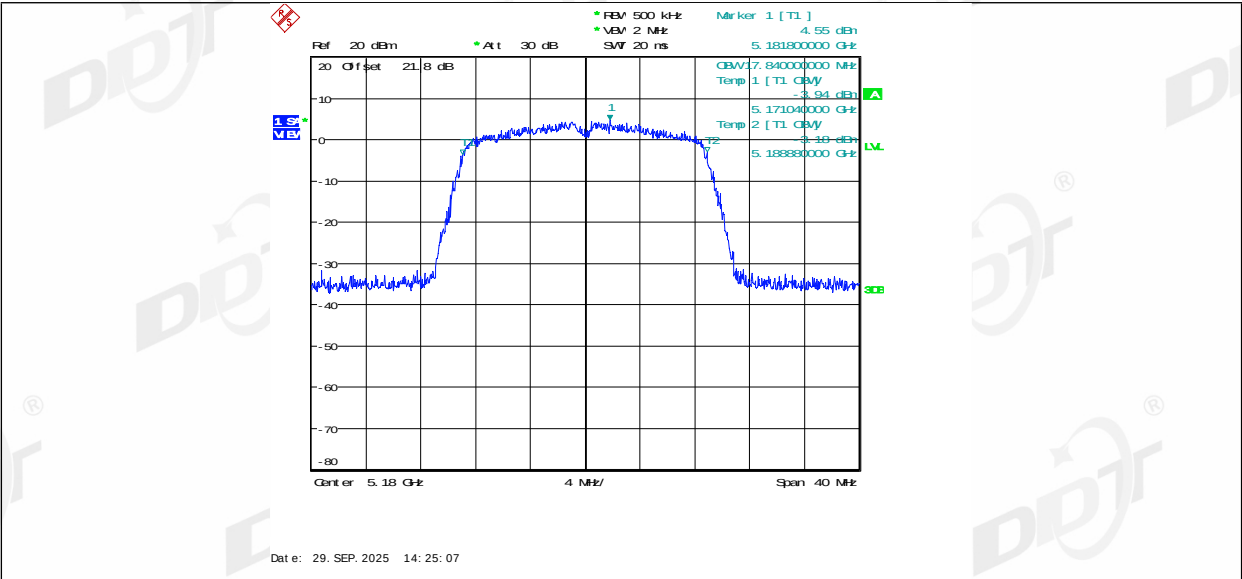
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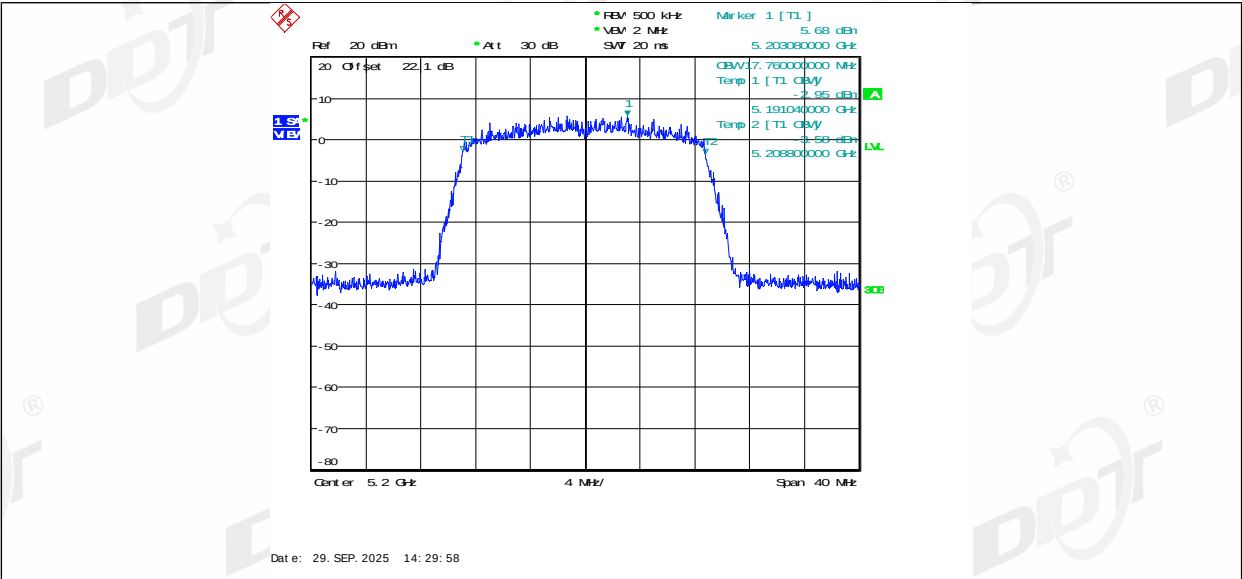


11N40MIMO_Ant2_5755

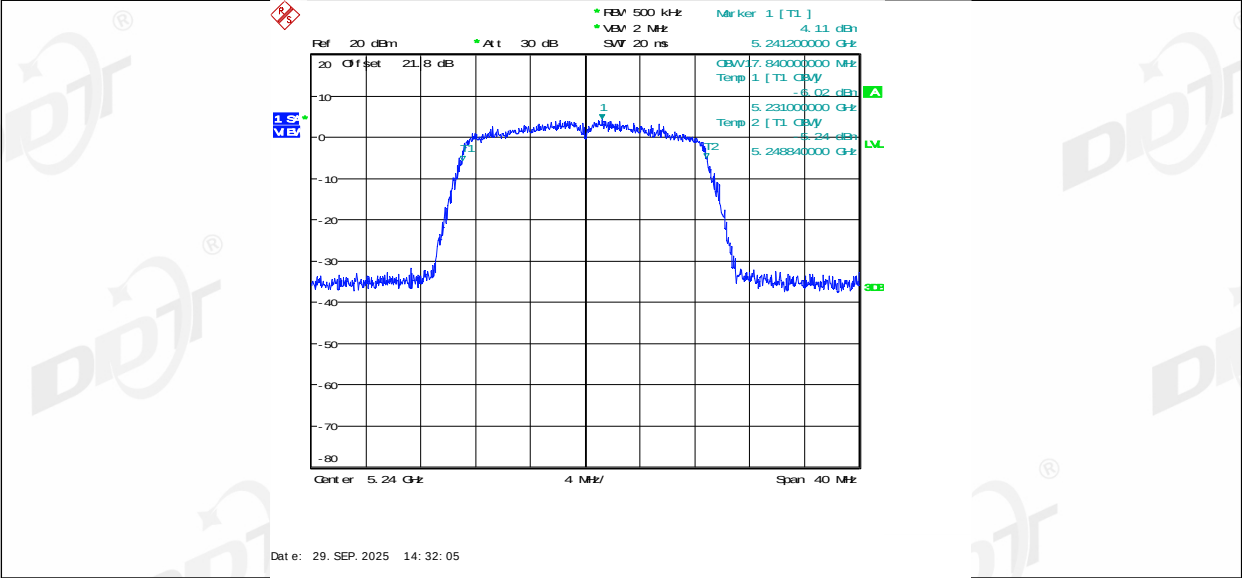


11AC20MIMO_Ant1_5180

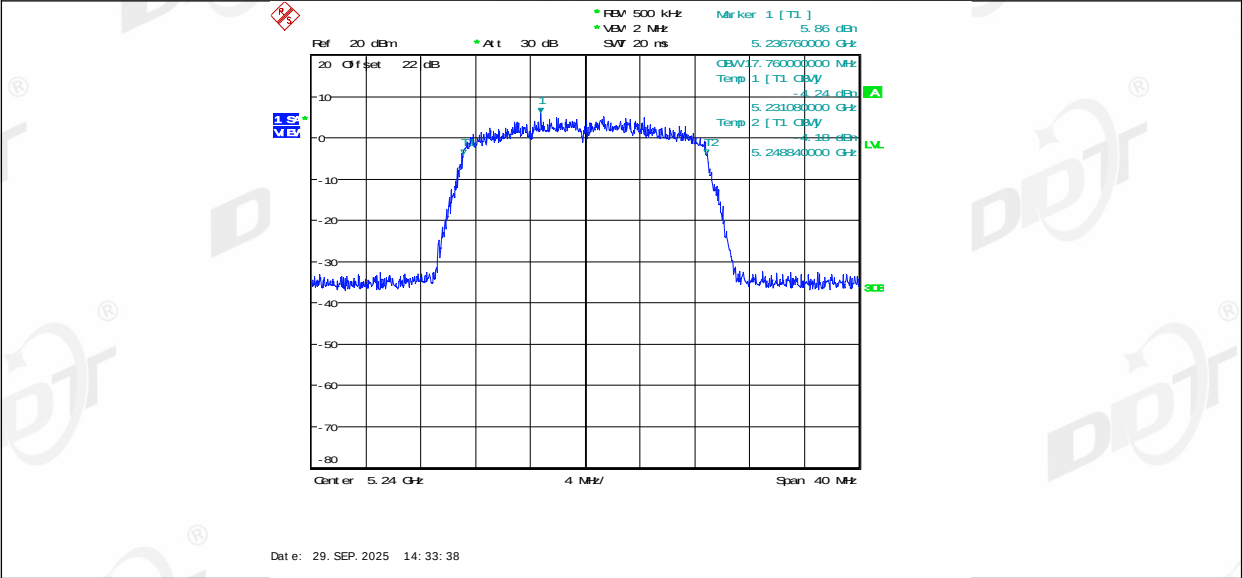




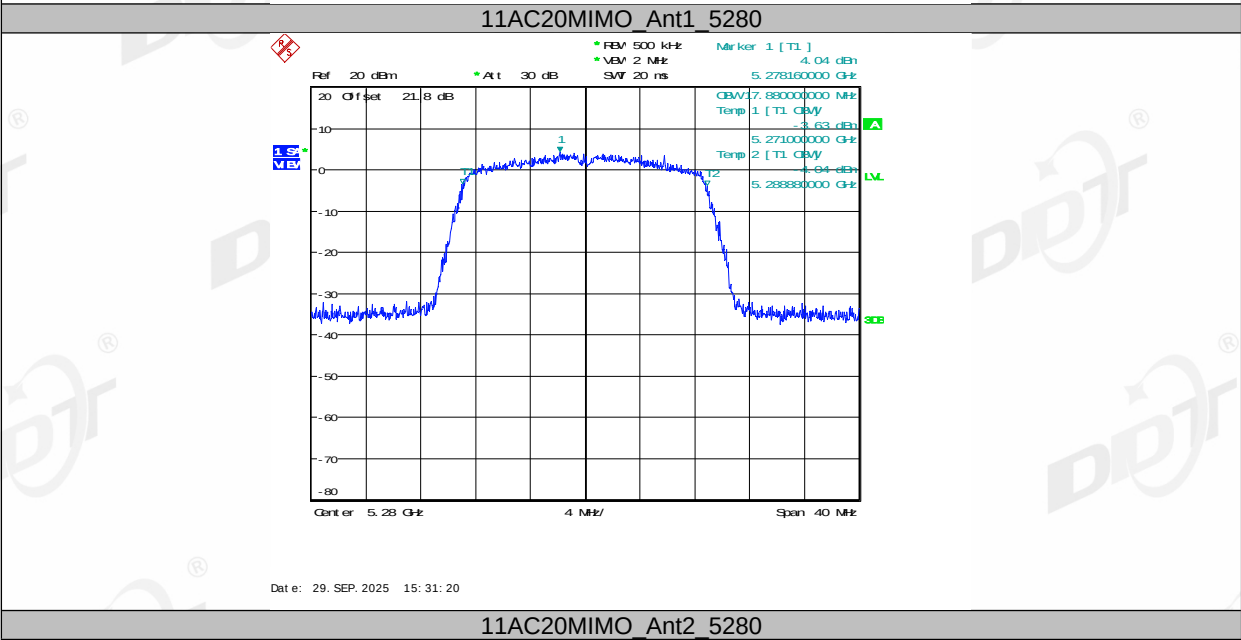
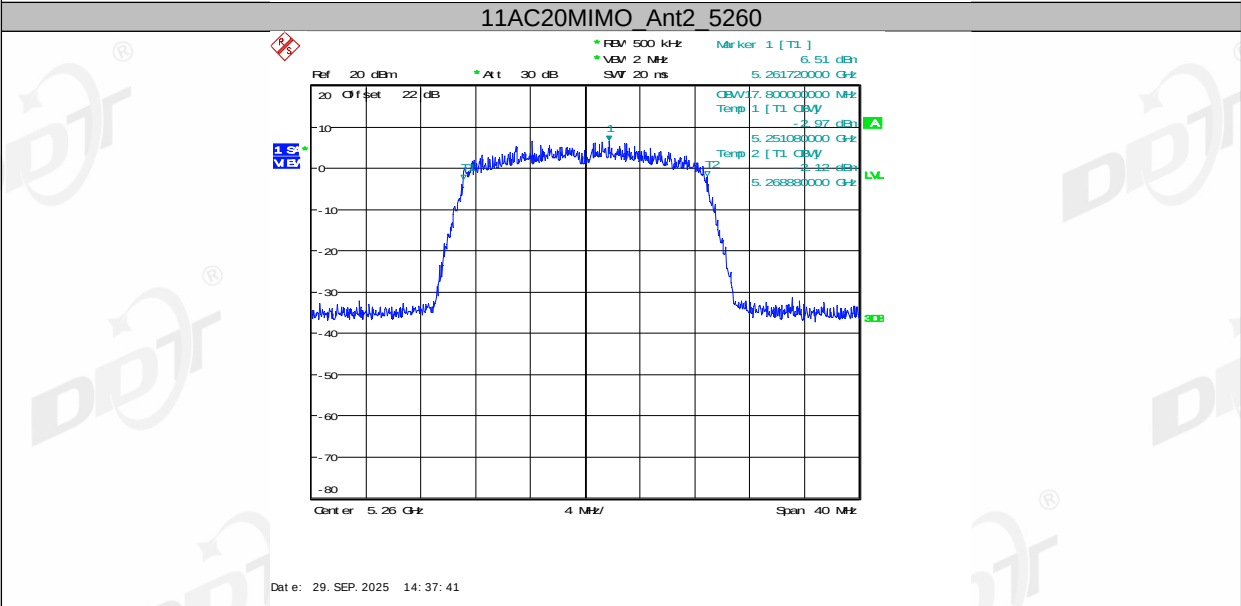
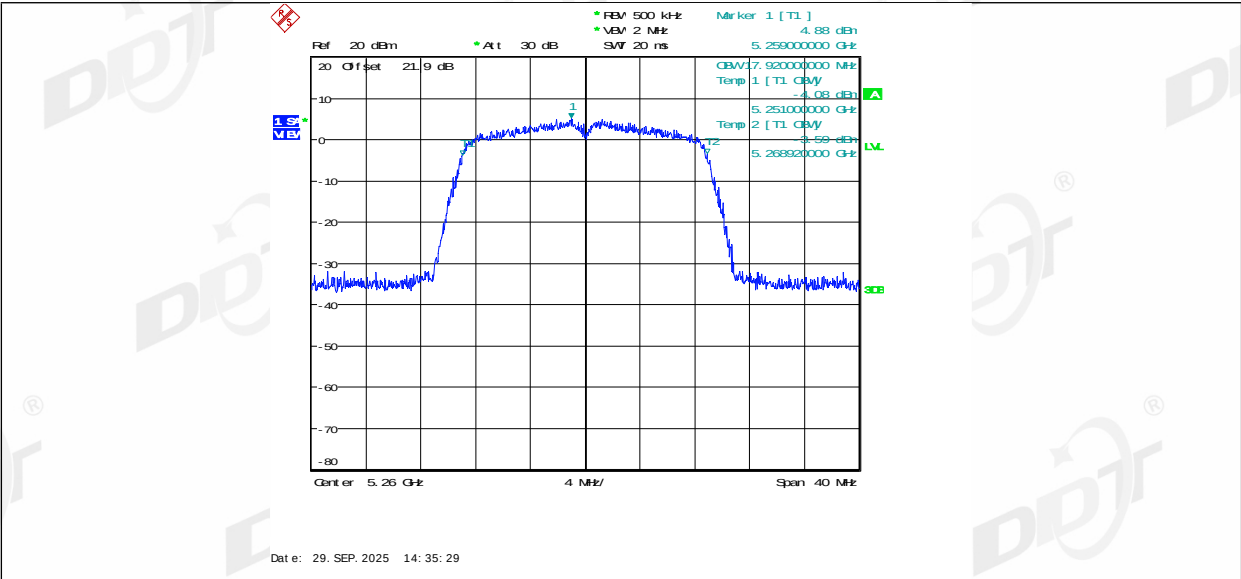
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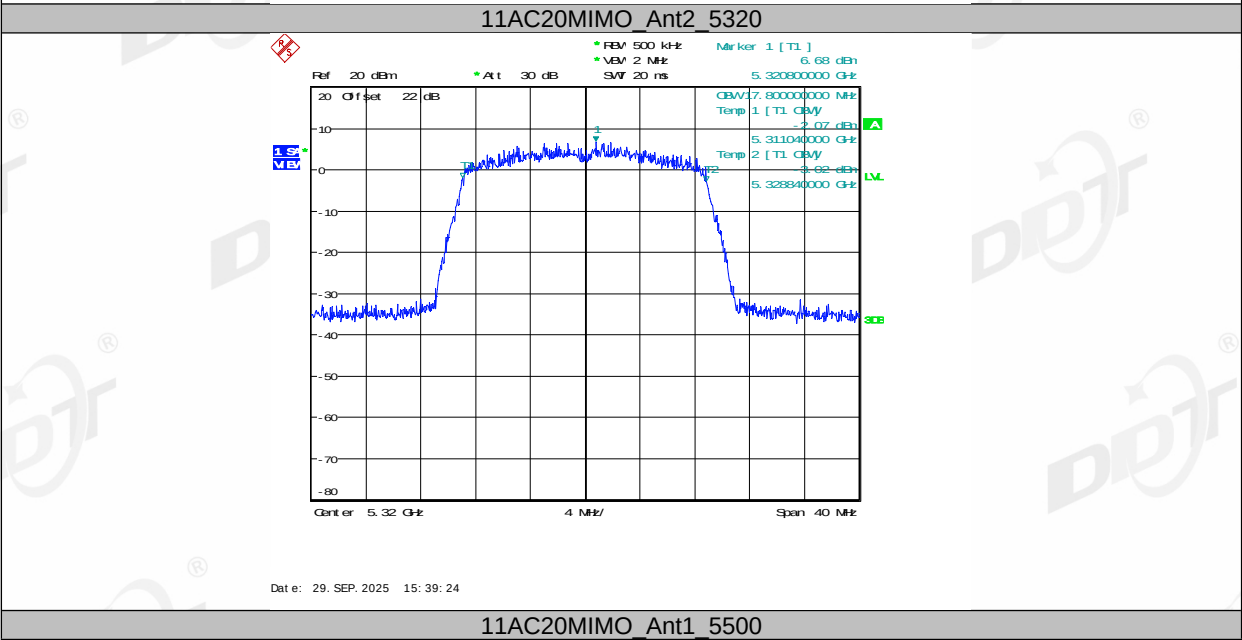
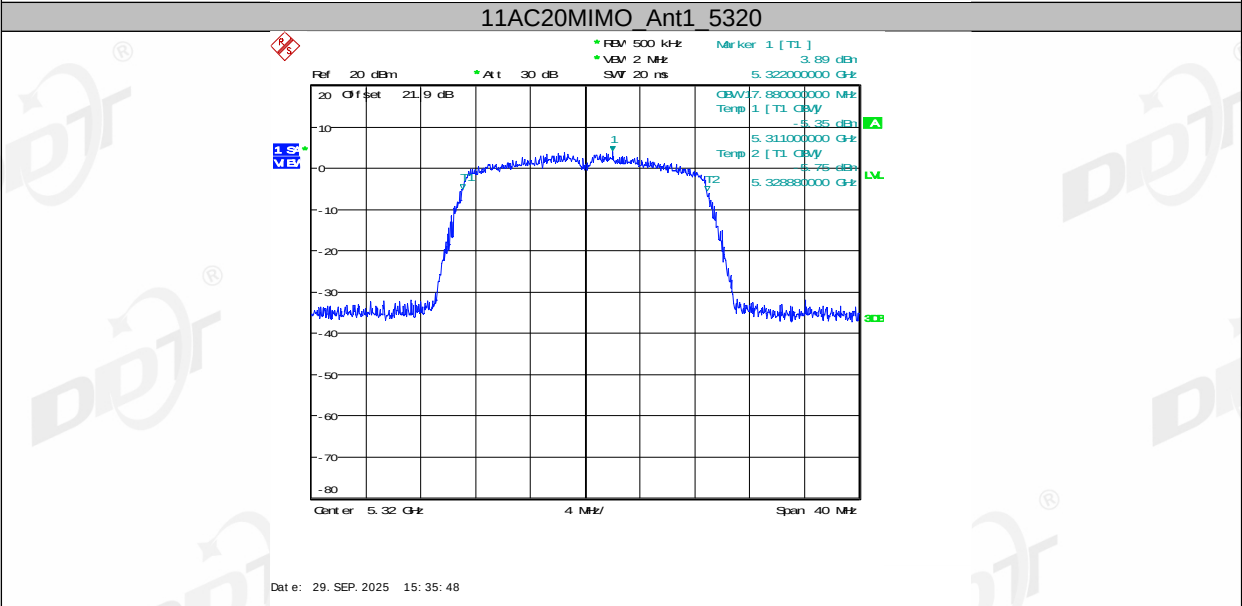
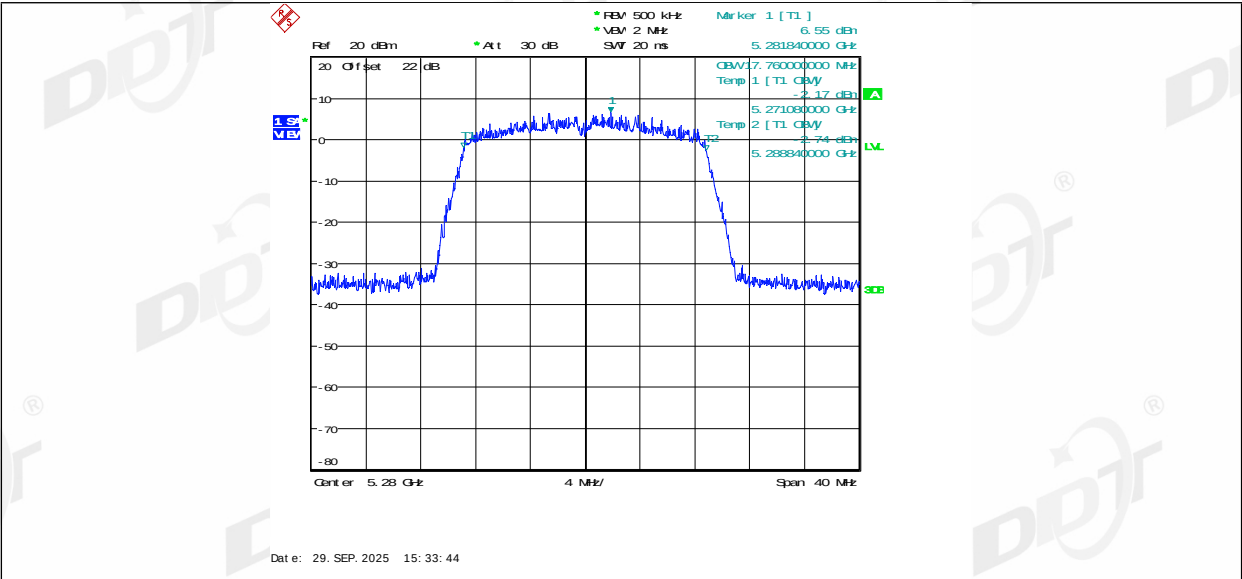


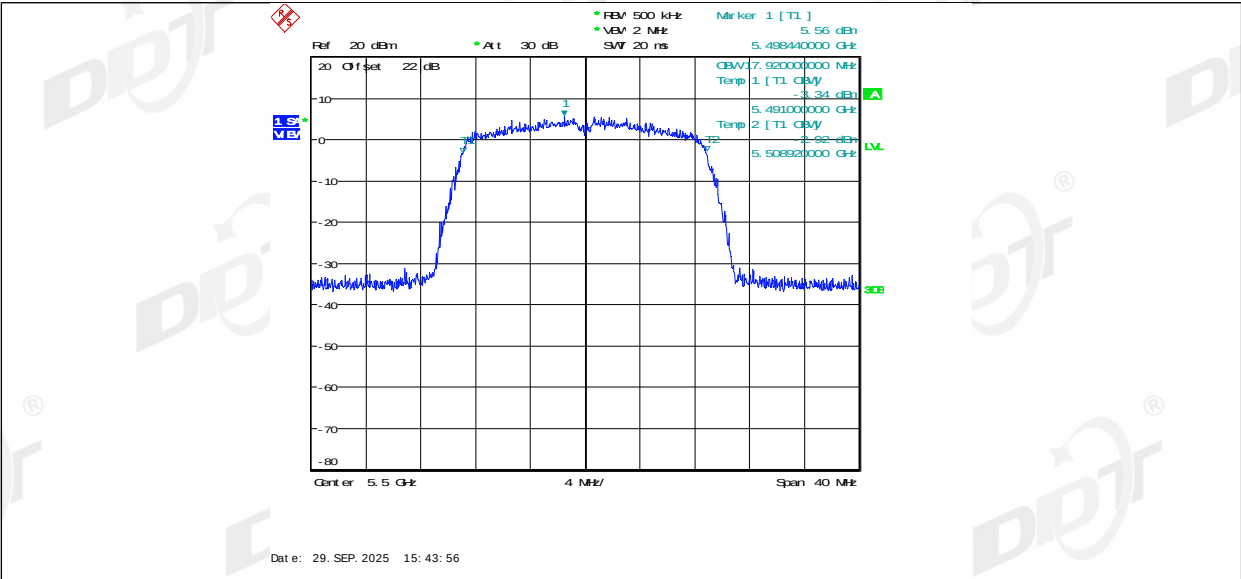
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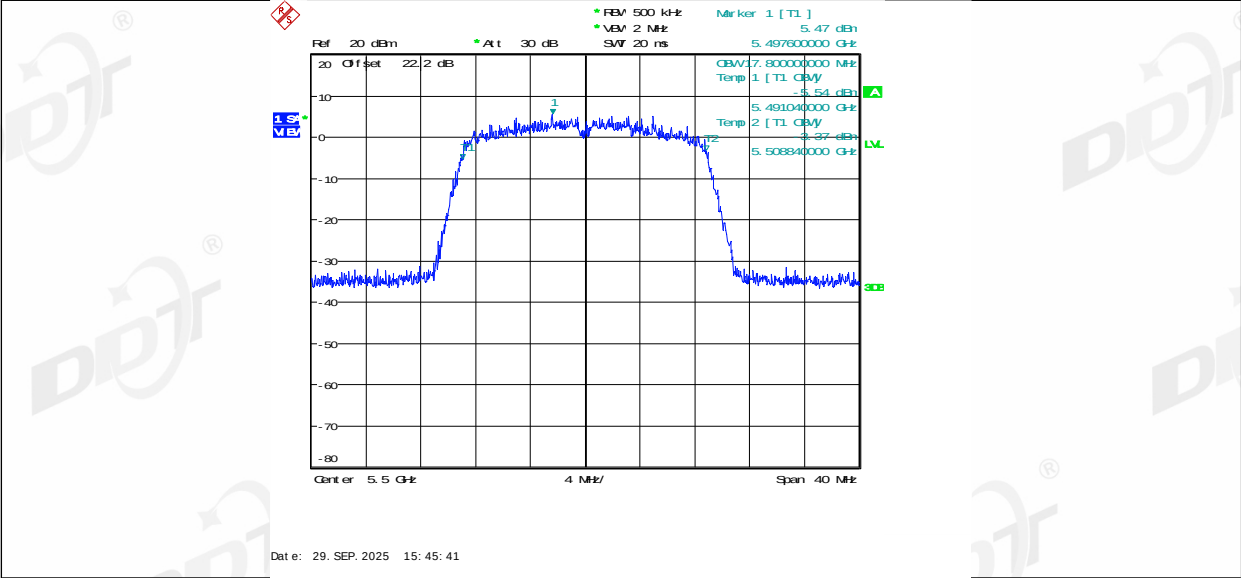
11AC20MIMO_Ant1_5260



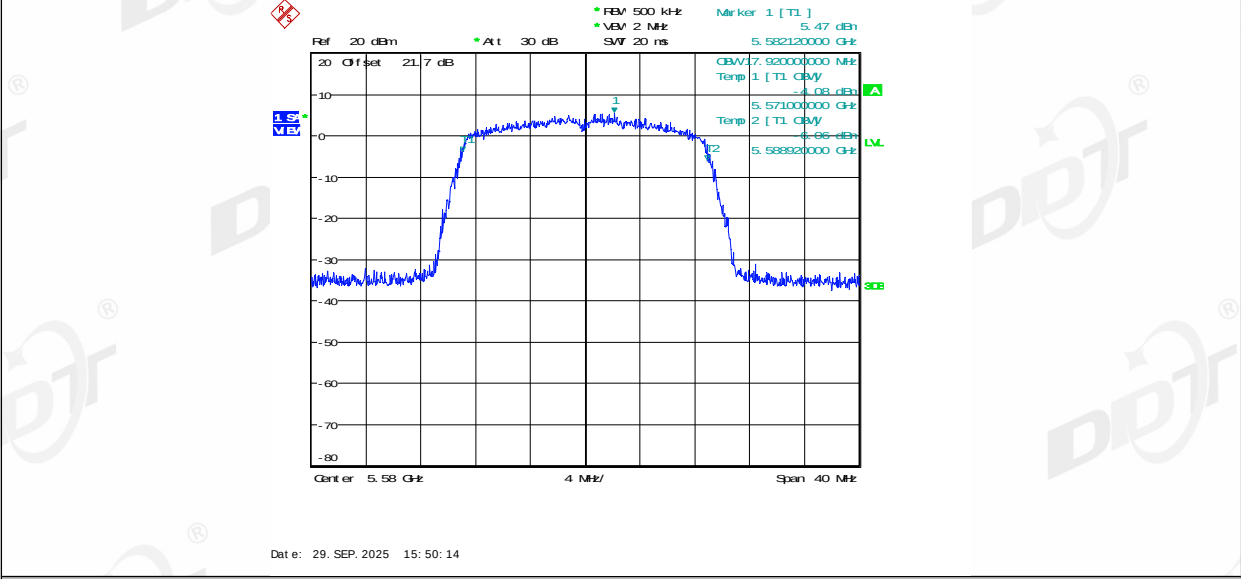




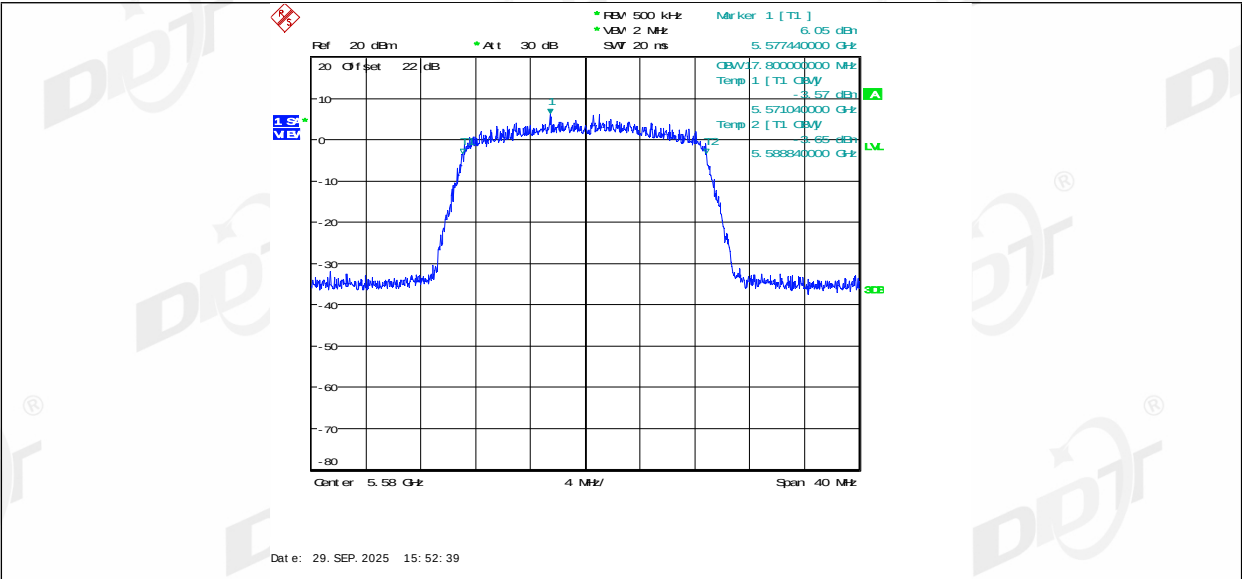
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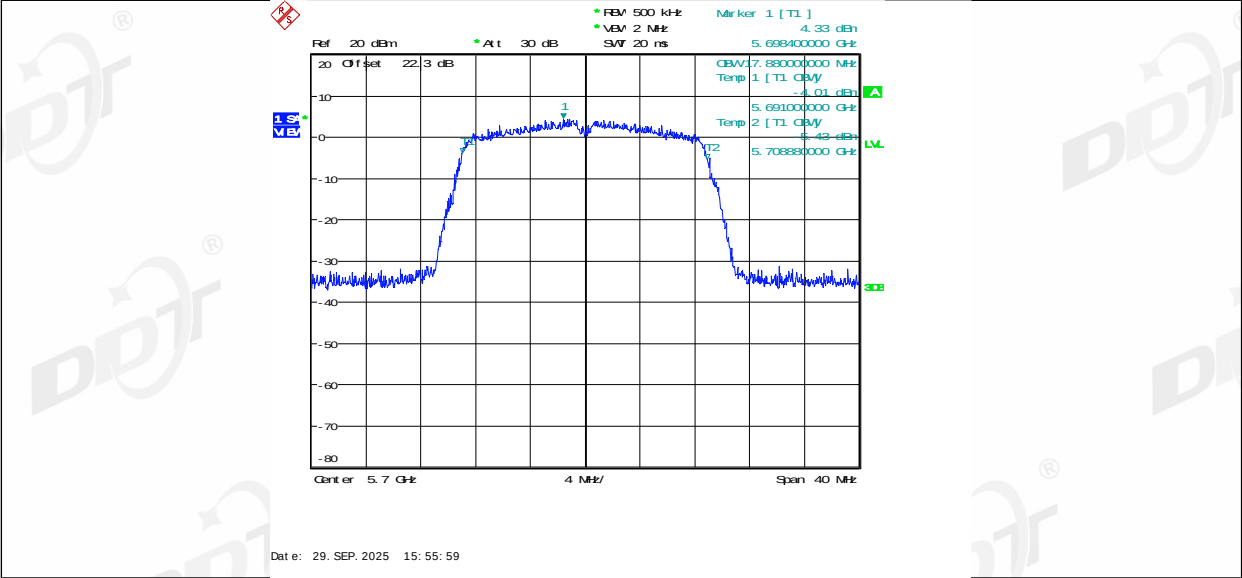
11AC20MIMO_Ant1_5580



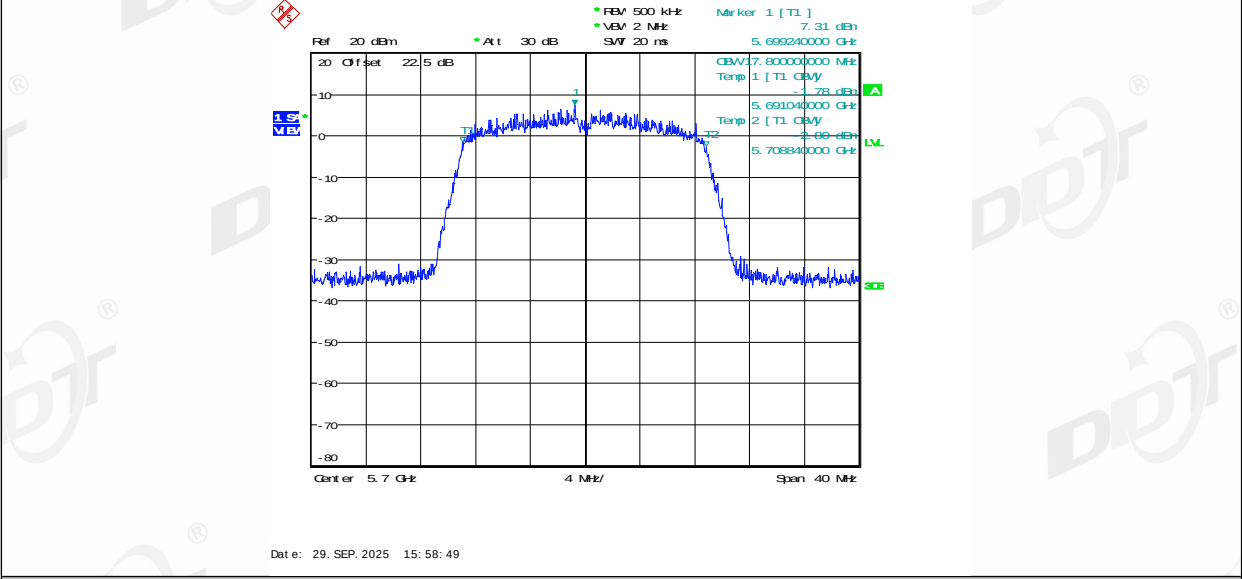
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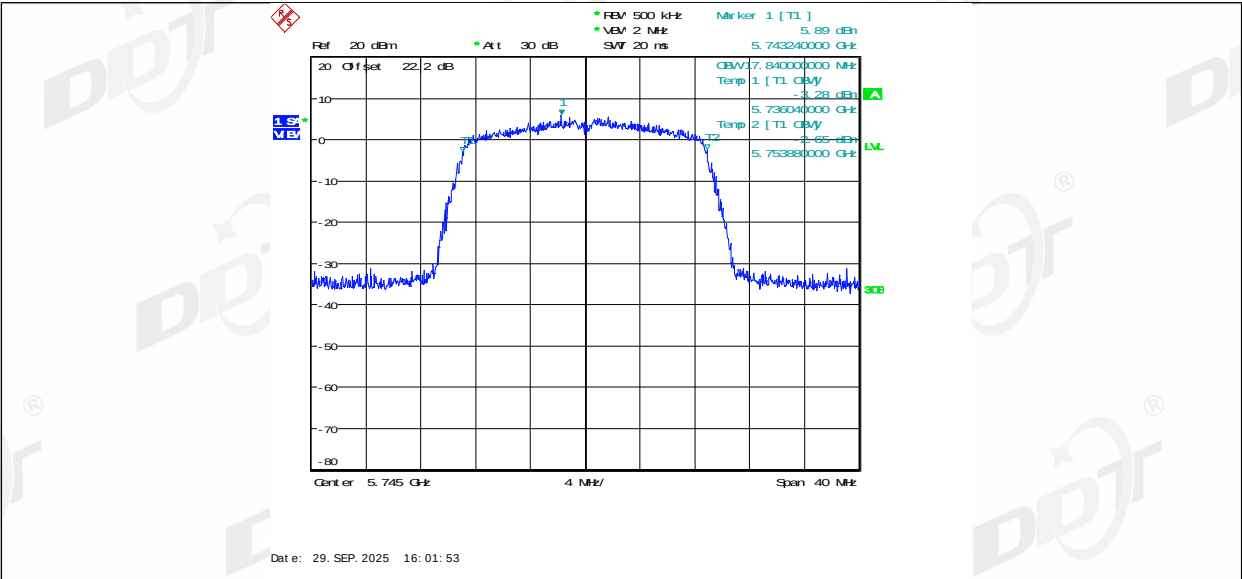
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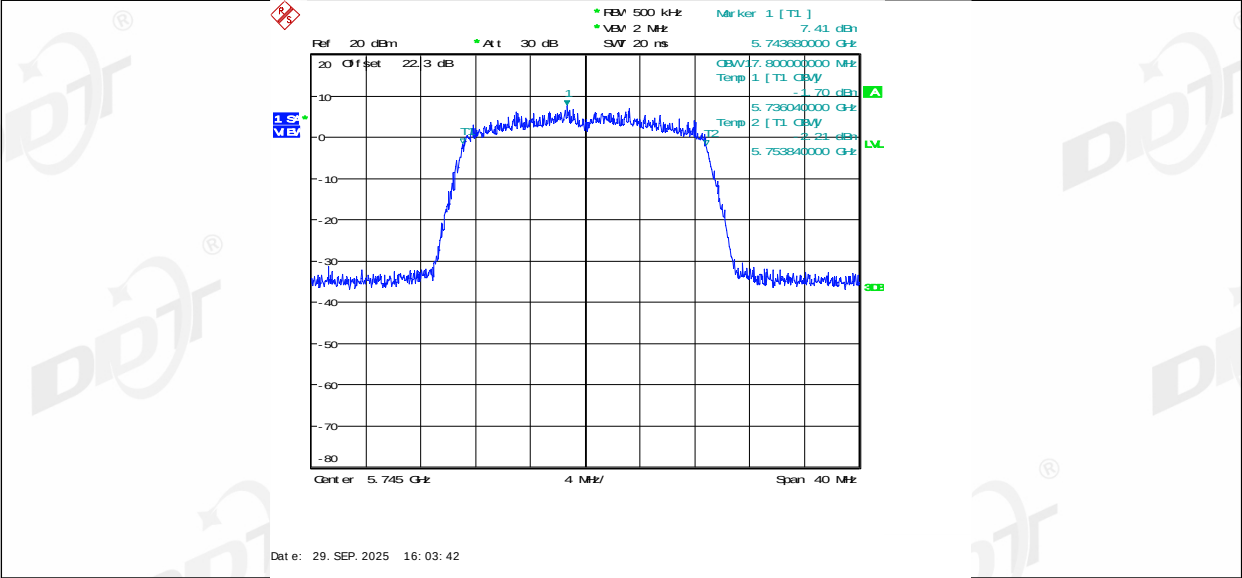
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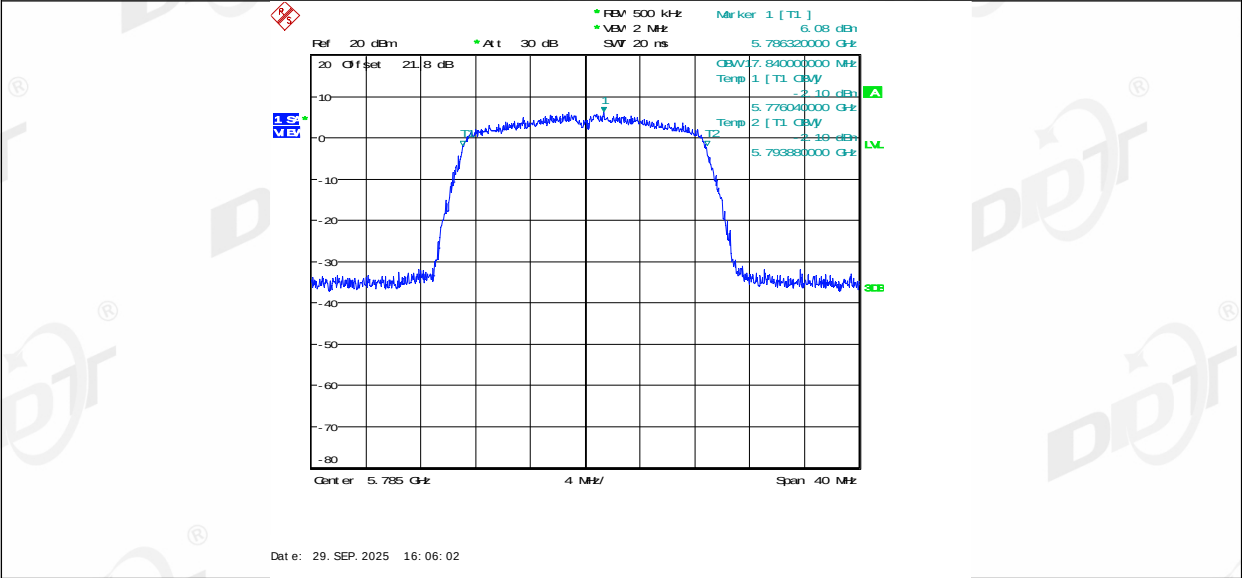
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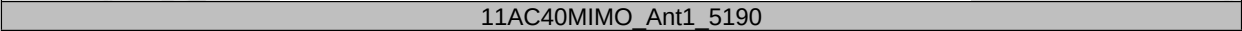
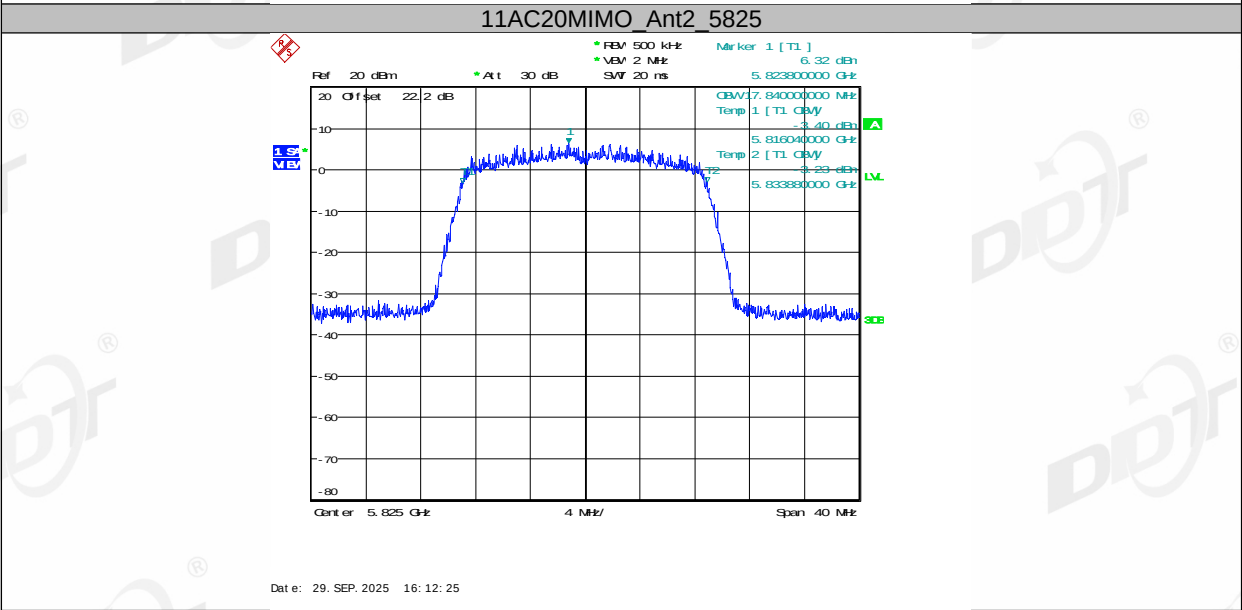
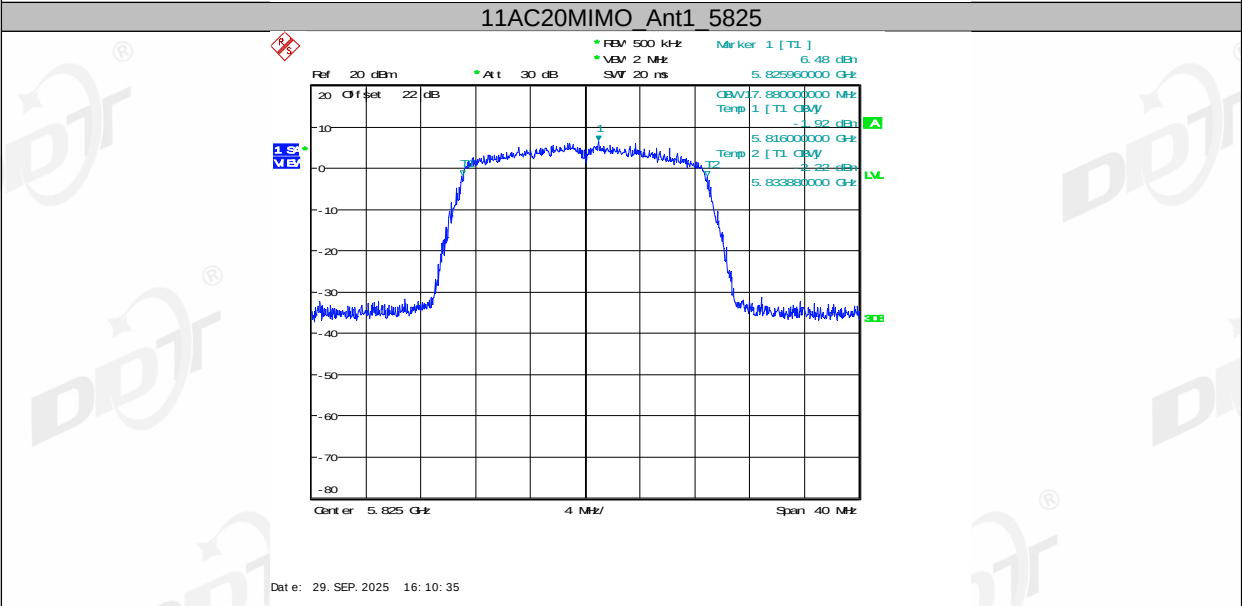
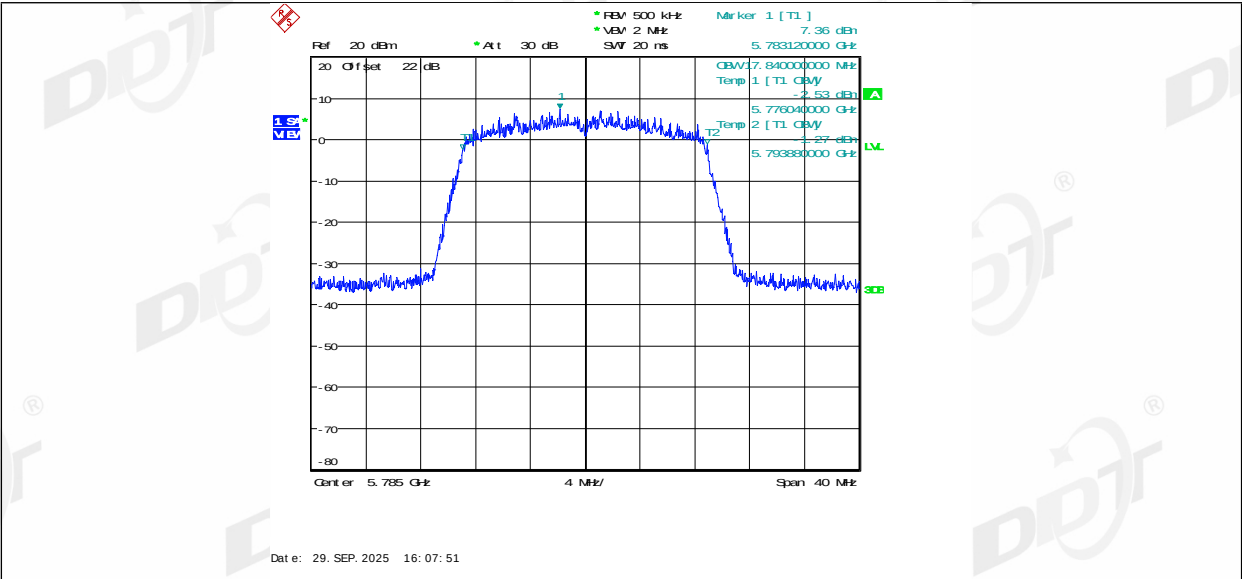
11AC20MIMO_Ant2_5745

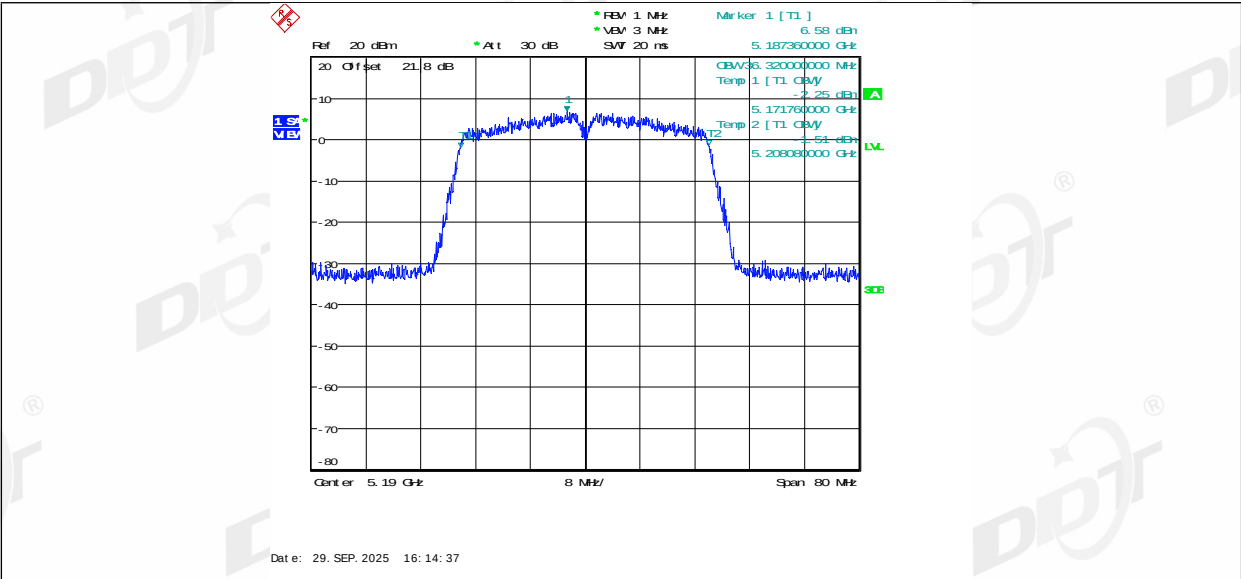


11AC20MIMO_Ant1_5785

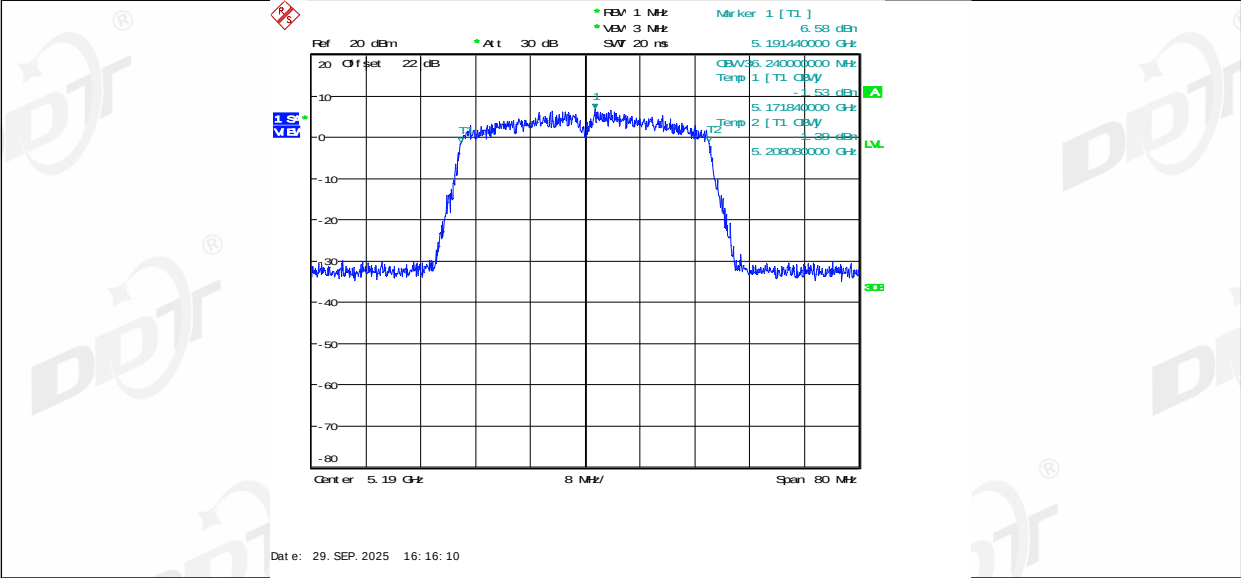


11AC20MIMO_Ant2_5785

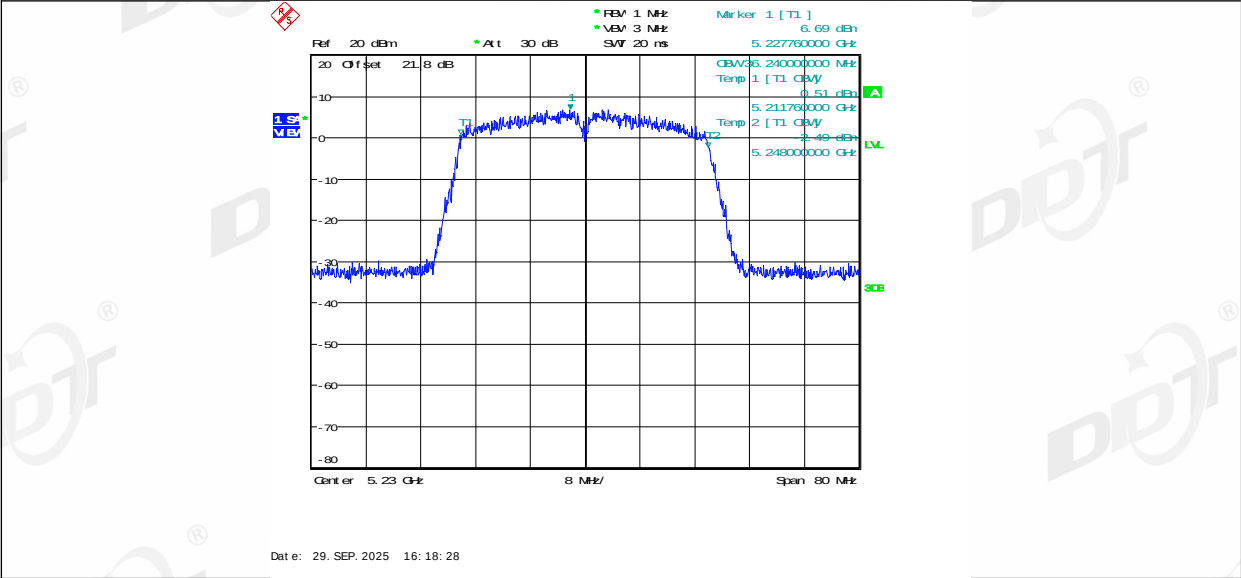




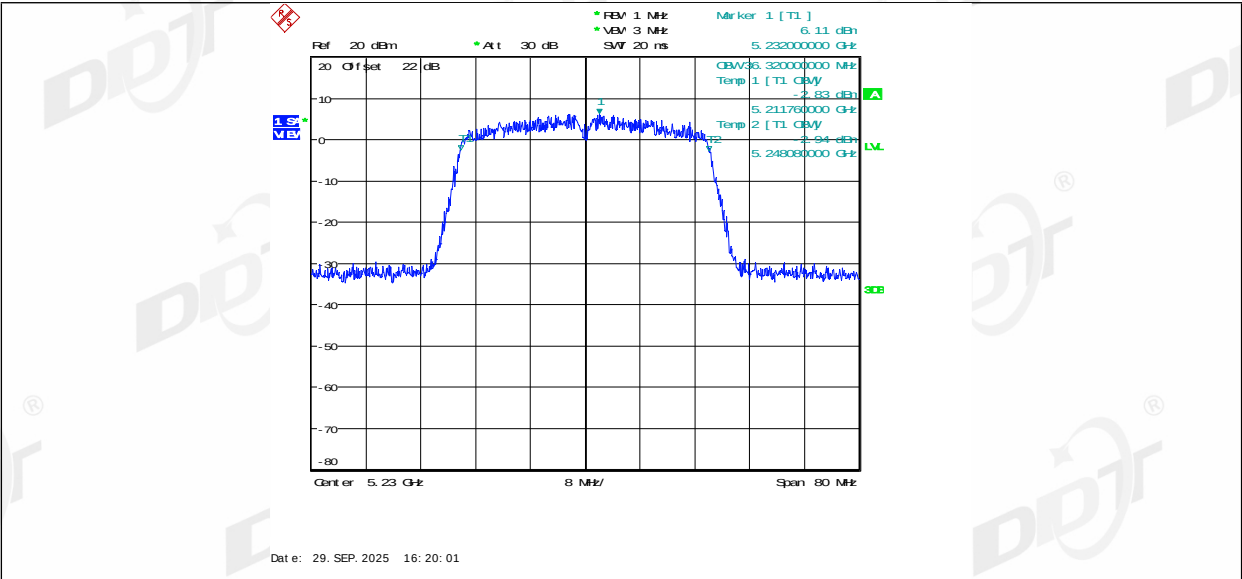
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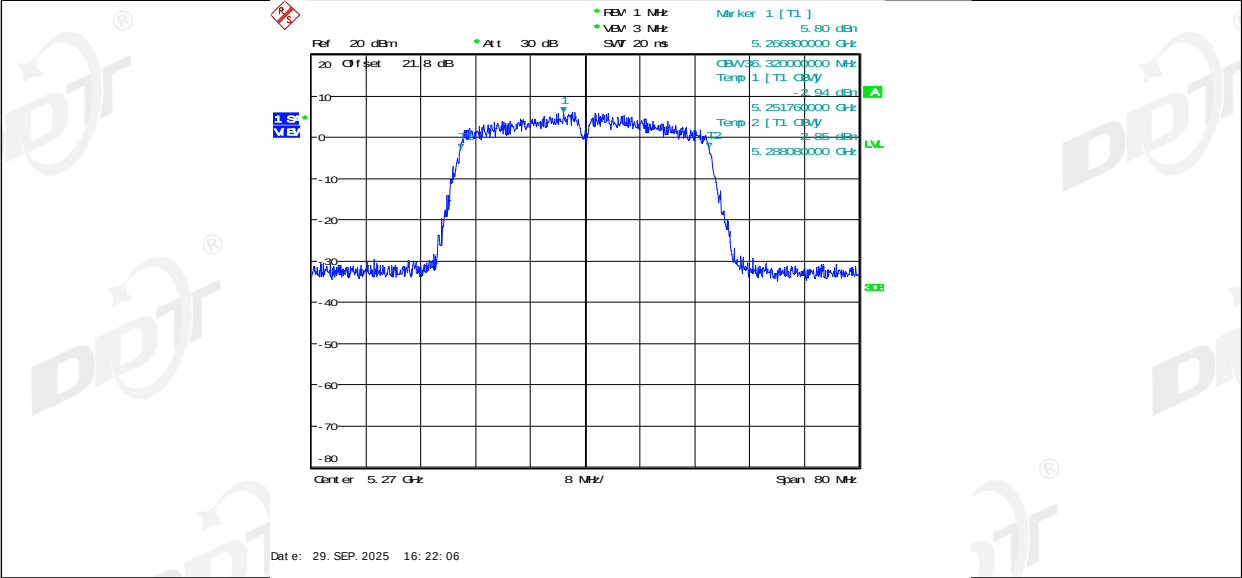
11AC40MIMO_Ant1_5230



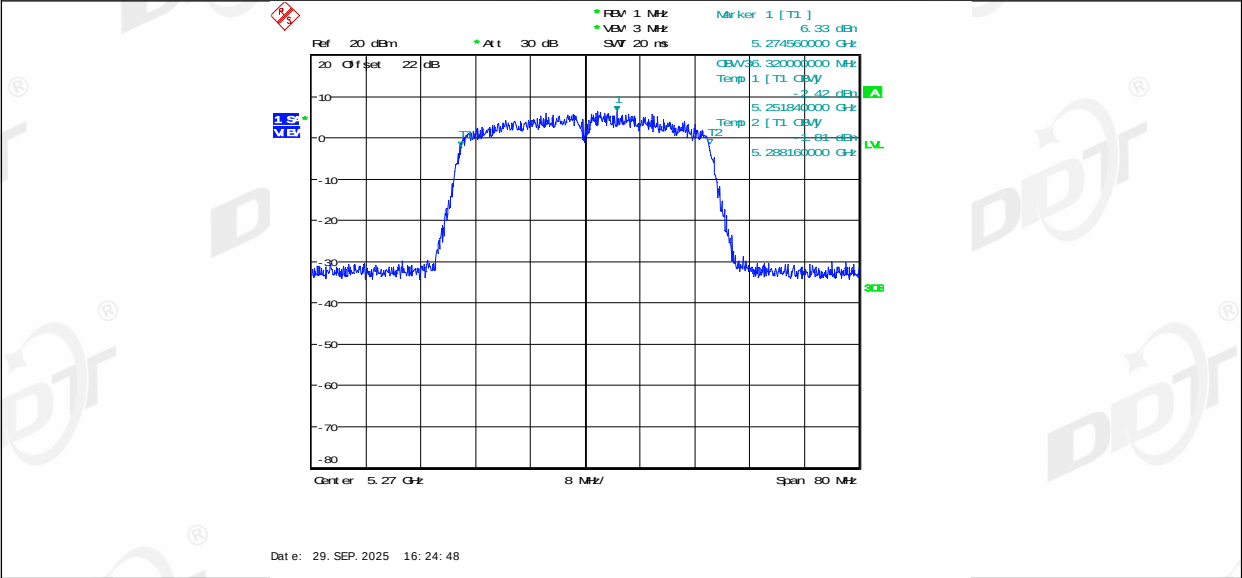
11AC40MIMO_Ant2_5230



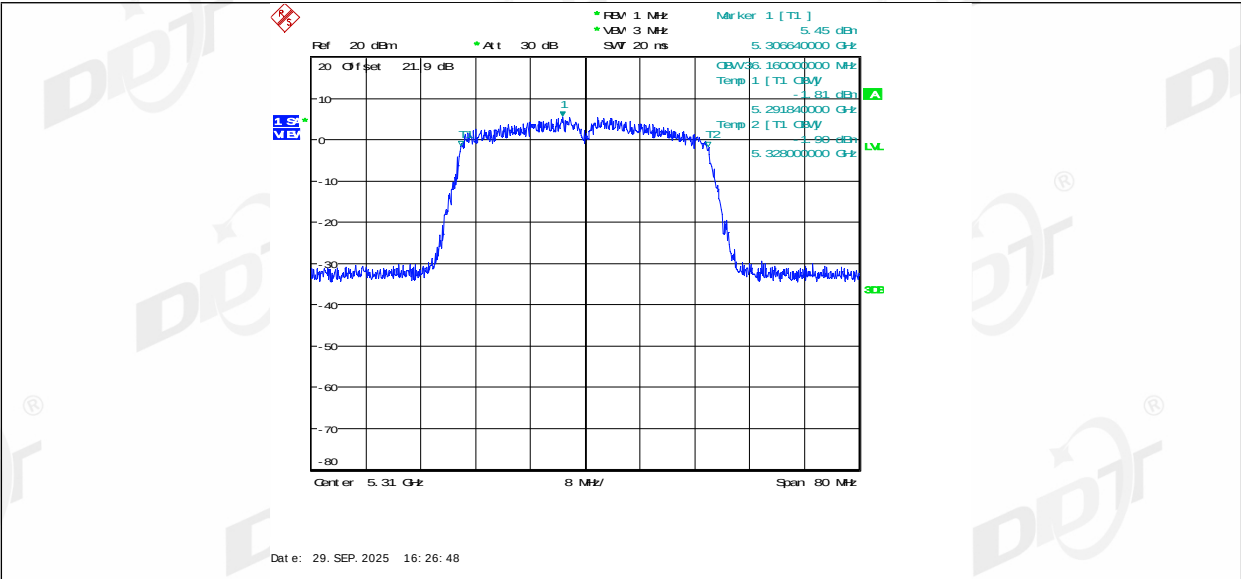
11AC40MIMO_Ant1_5270



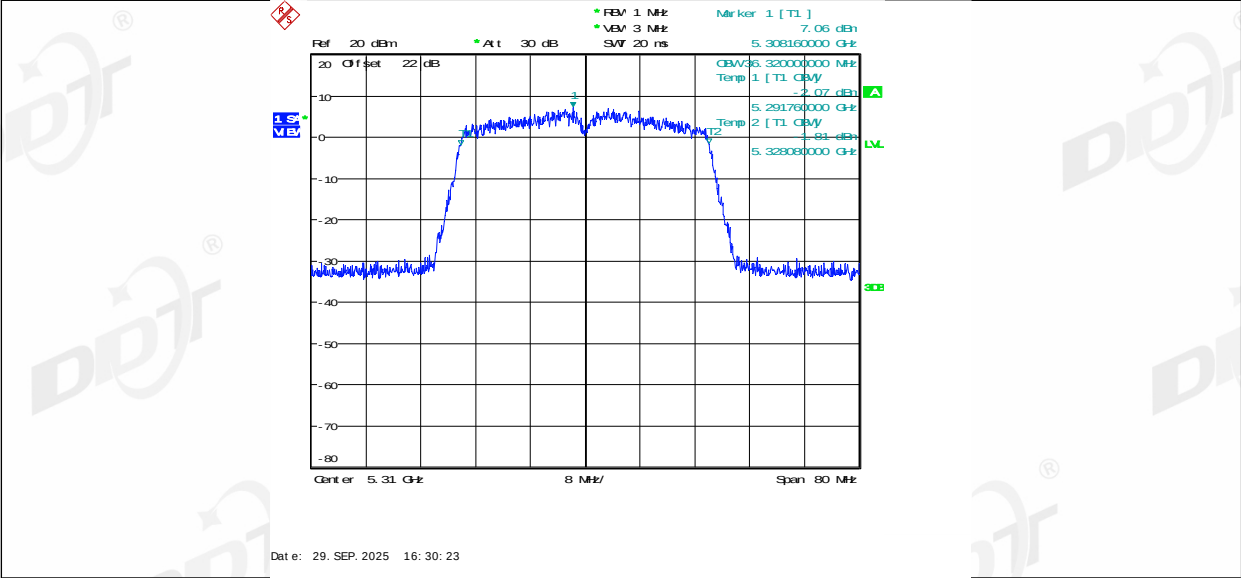
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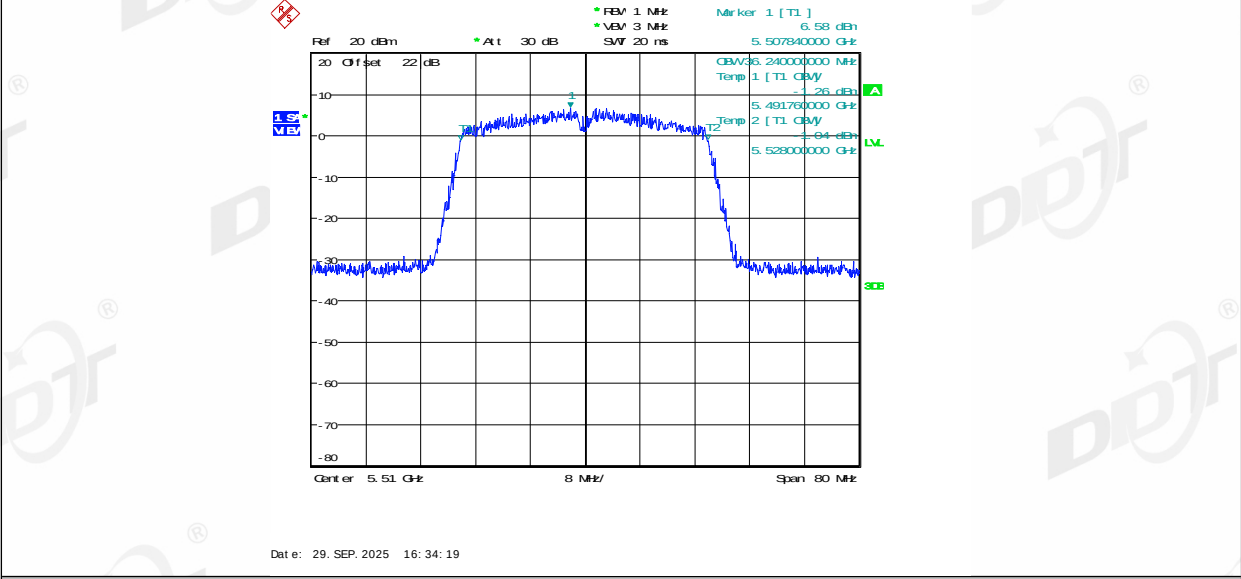
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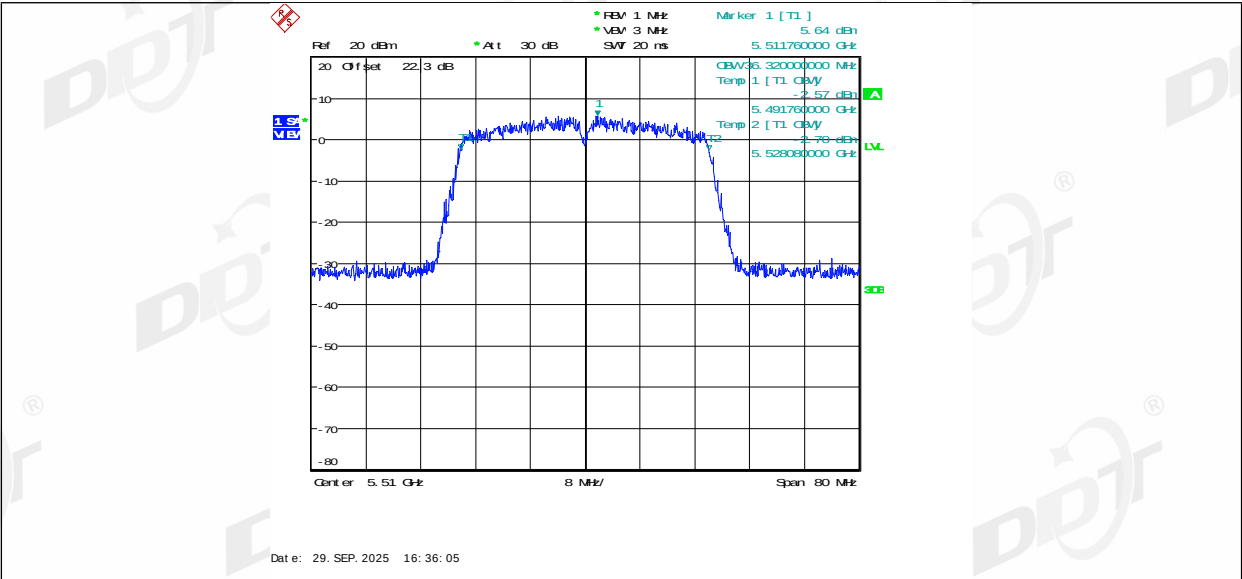
11AC40MIMO_Ant2_5310



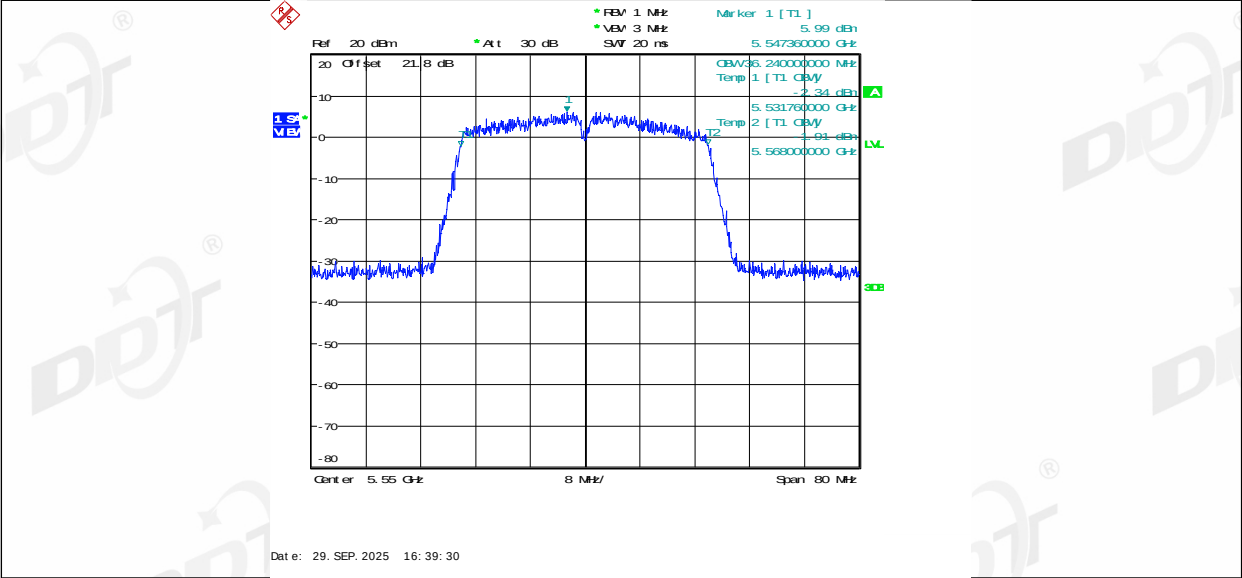
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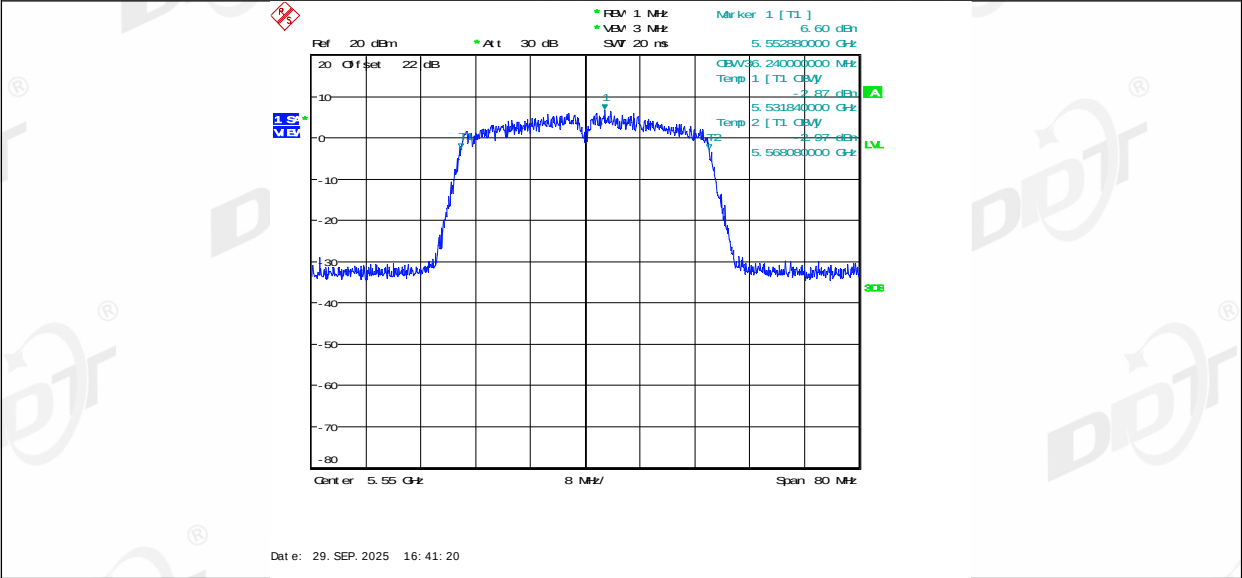
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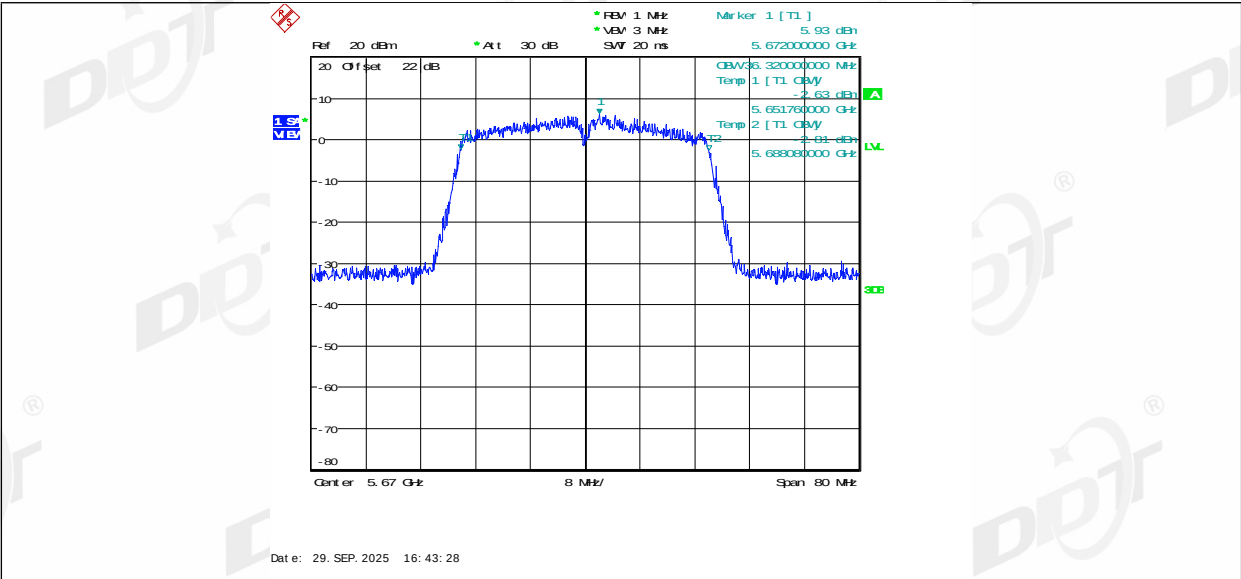
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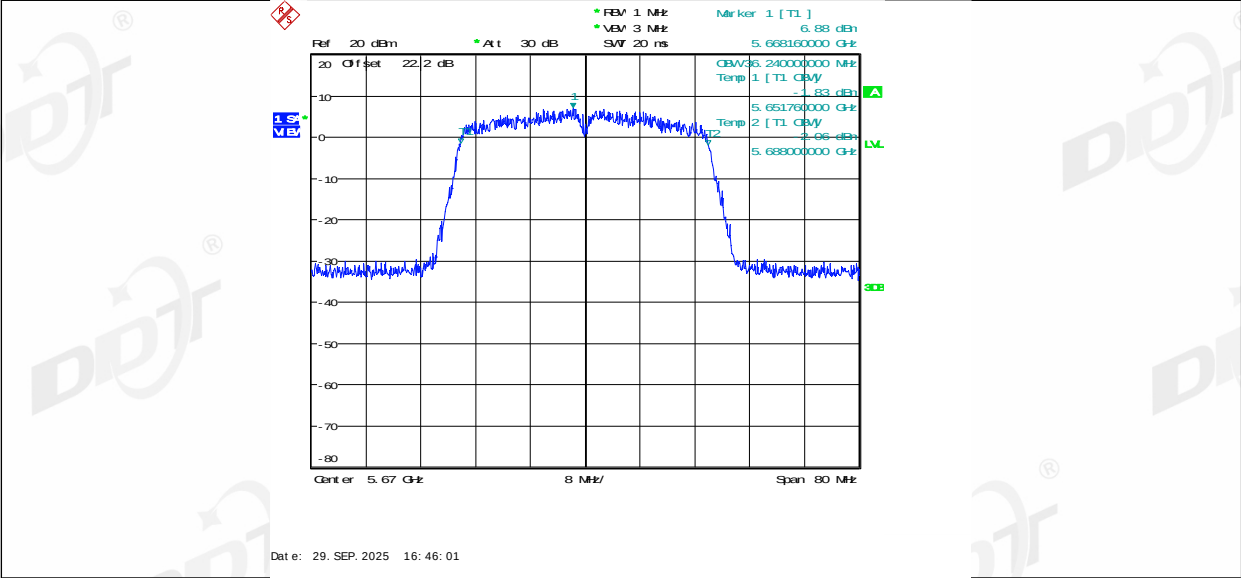
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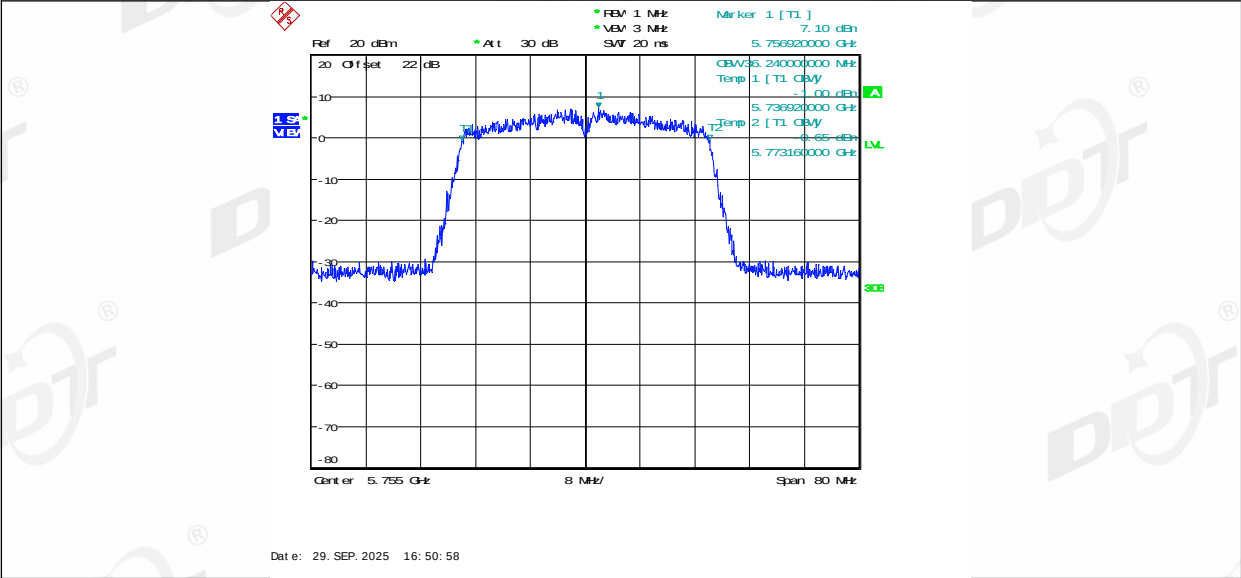
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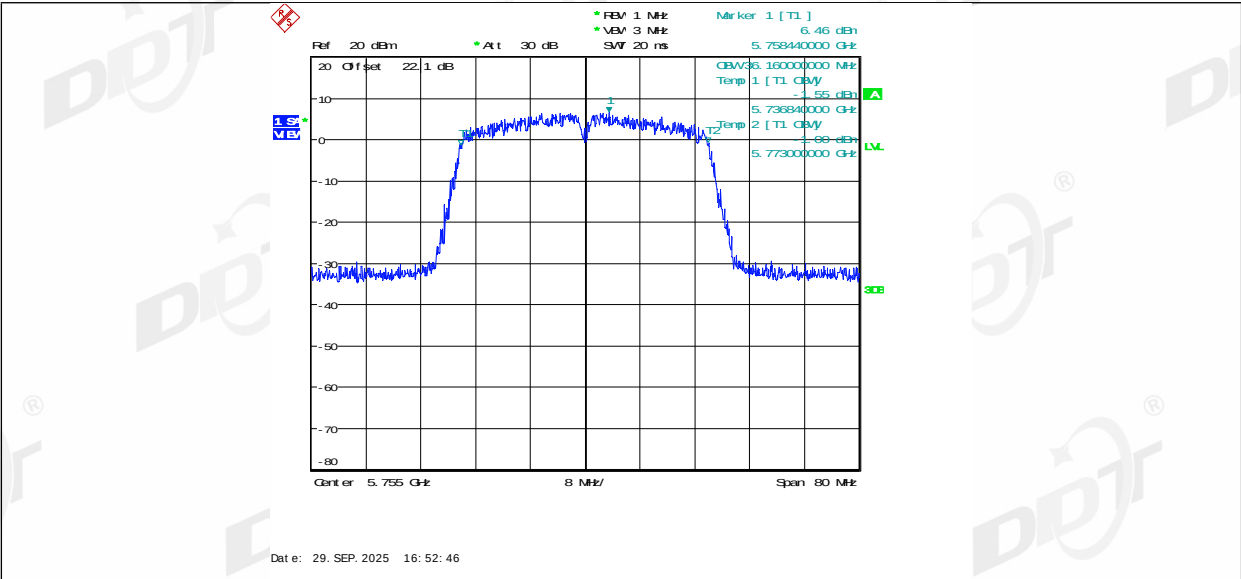
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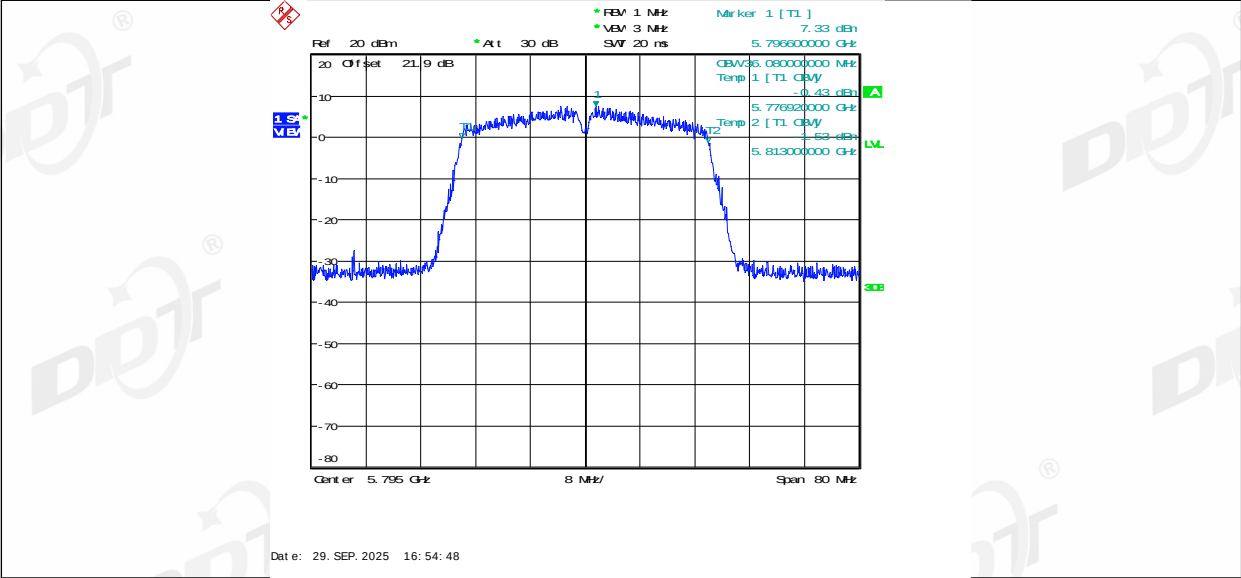
11AC40MIMO_Ant1_5755



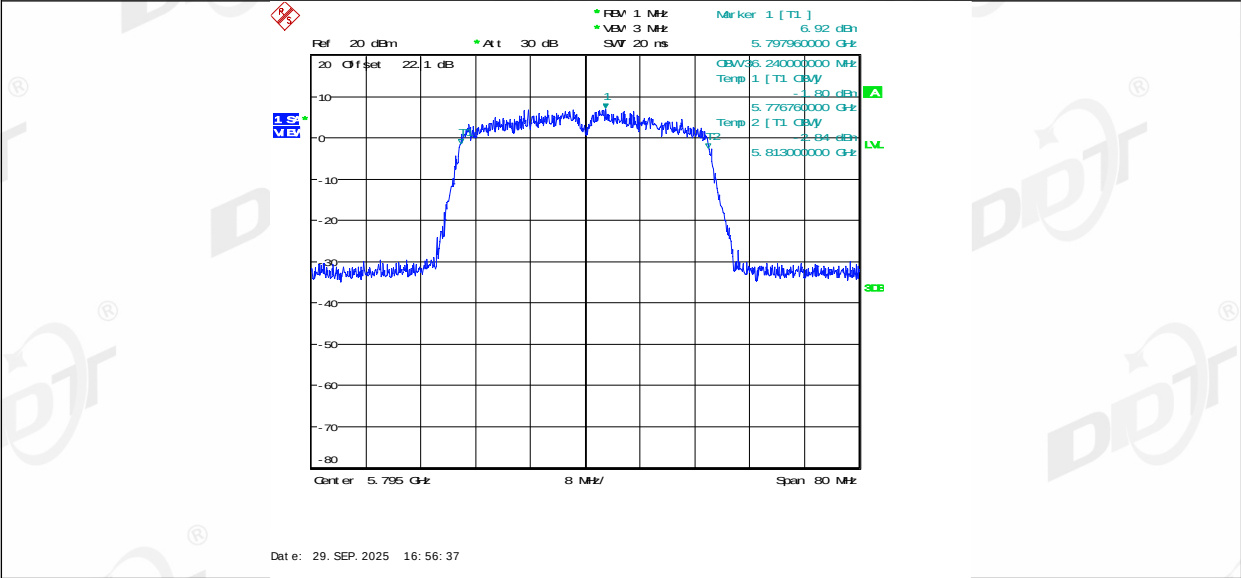
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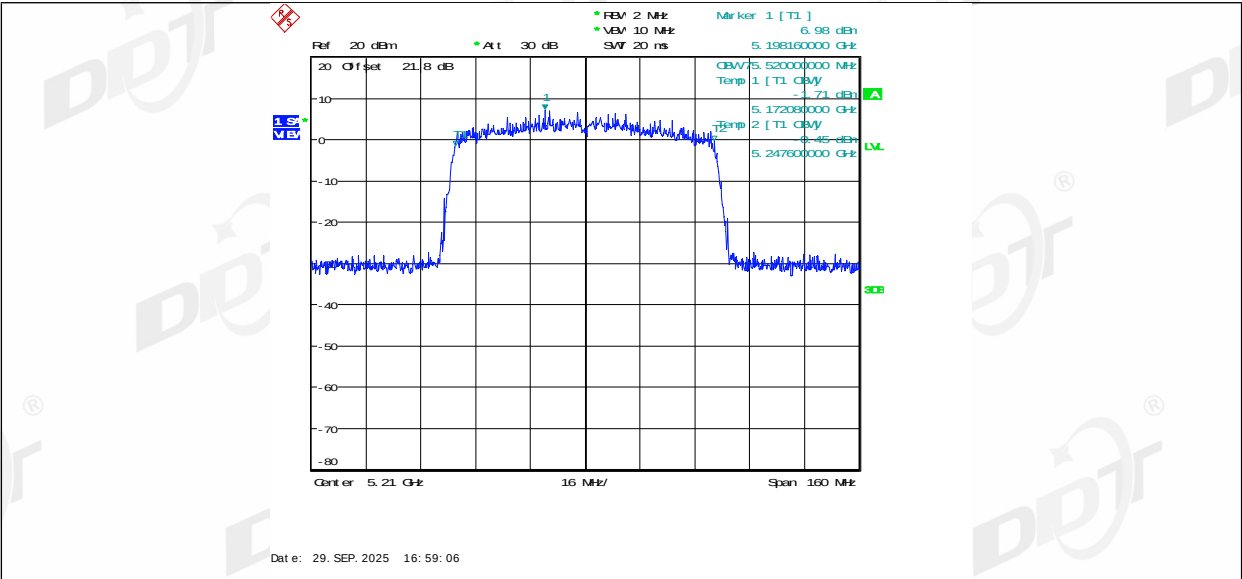
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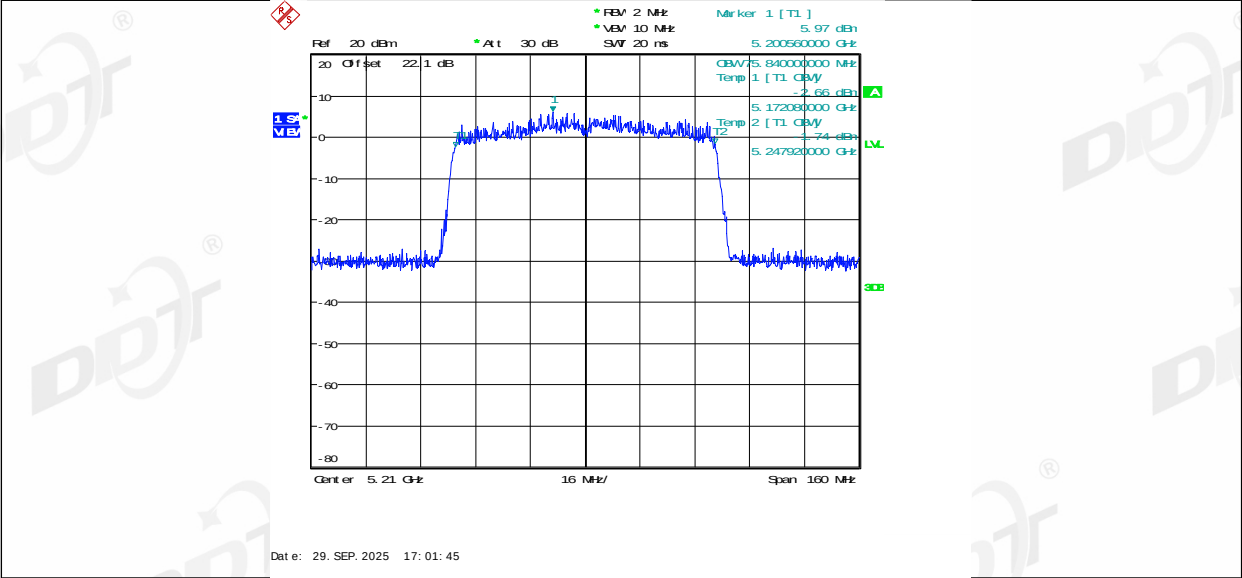
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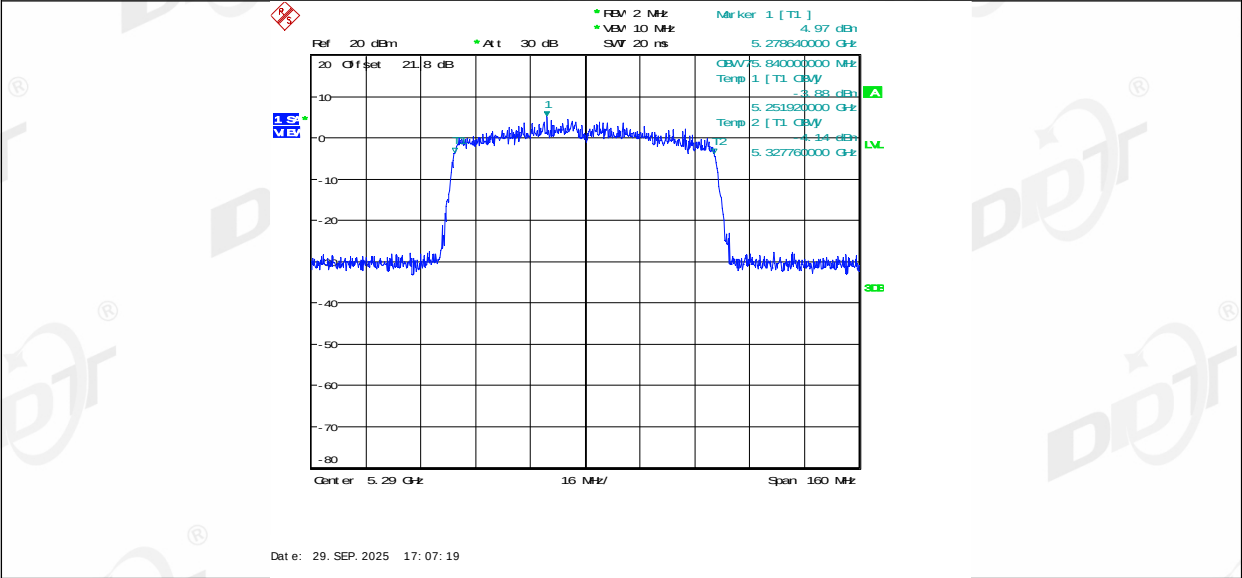
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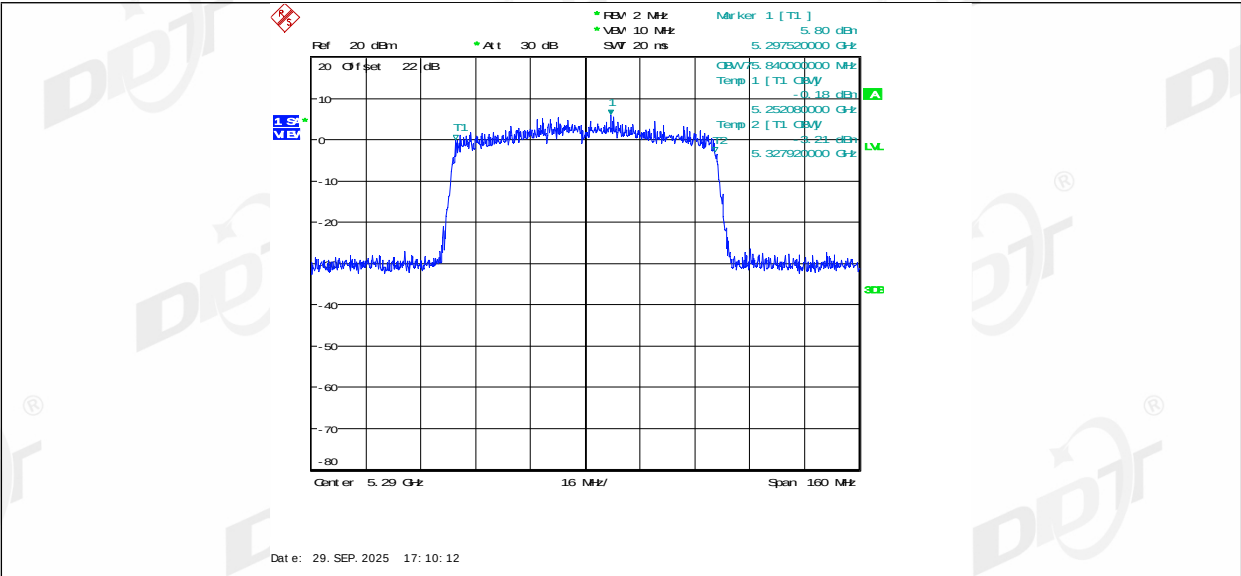
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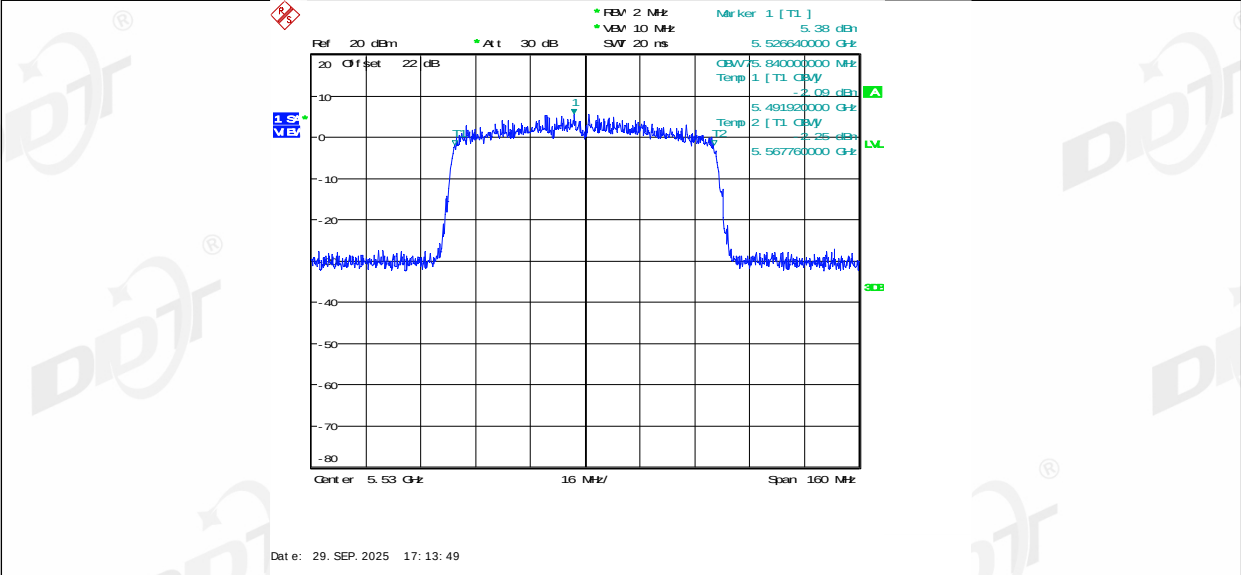
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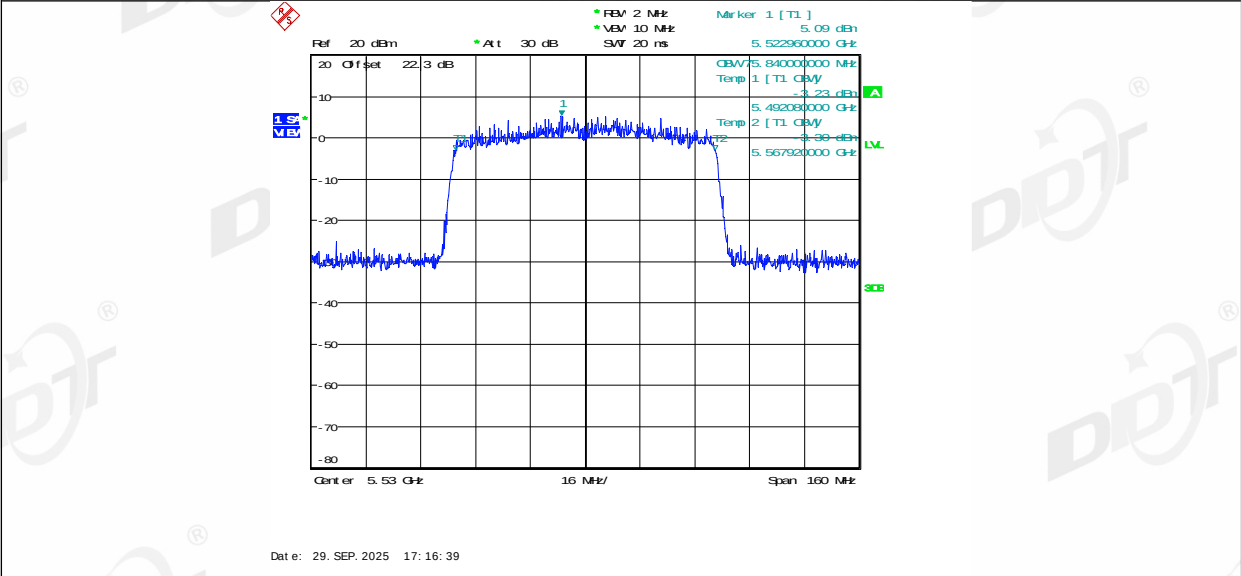
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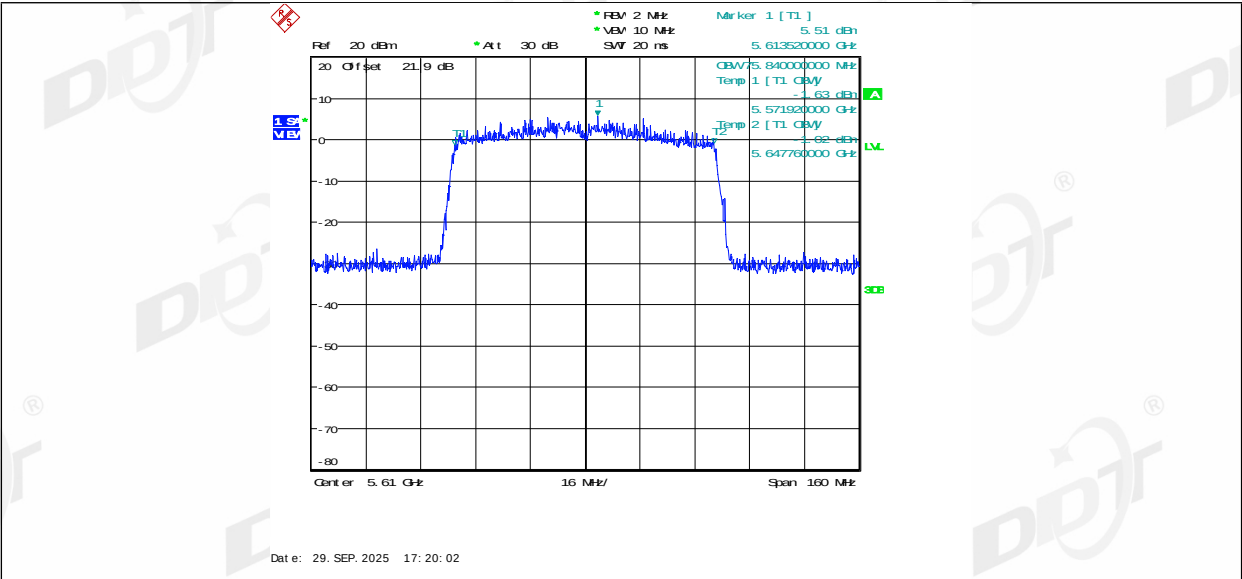
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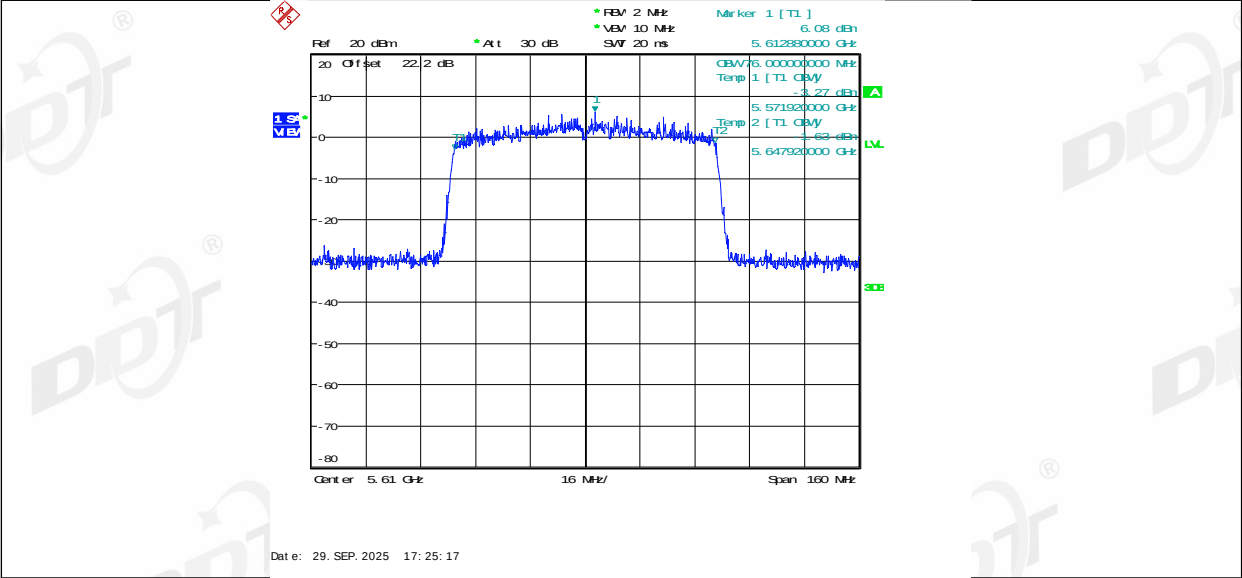
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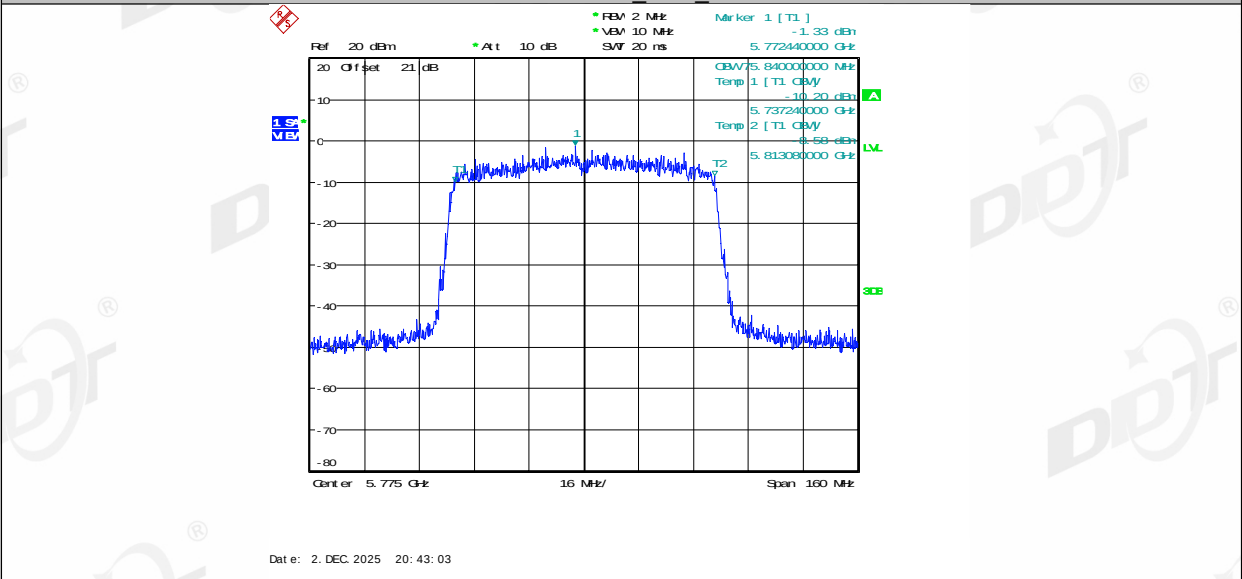
11AC80MIMO_Ant1_5610



11AC80MIMO_Ant2_5610



11AC80MIMO_Ant1_5775



11AC80MIMO_Ant2_5775

