



RADIO TEST REPORT

Applicant	:	LYSORA TECHNOLOGY INC.
Address of Applicant	:	8 THE GREEN, STE A, DOVER, KENT COUNTY, DELAWARE 19901, USA
Manufacturer	:	LYSORA TECHNOLOGY INC.
Address of Manufacturer	:	8 THE GREEN, STE A, DOVER, KENT COUNTY, DELAWARE 19901, USA
Equipment under Test	:	Wireless Bridge
Model No.	:	L2529
IC	:	34118-L2529
Test Standard(s)	:	RSS-247 Issue 4 July 24, 2025, RSS-Gen Issue 5, Apr. 2018, Amendment 2 (February 2021), ANSI C63.10-2020+Cor.1-2023+C63.10a- 2024+Errata to C63.10a-2024, 789033 D02 General U-NII Test Procedures New Rules v02r01, 662911 D01 Multiple Transmitter Output v02r01
Report No.	:	DDT-RE25082809-1E03
Issue Date	:	2025/12/26
Issue By	:	Guangdong Dongdian Testing Service Co., Ltd. Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808

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Test Report Declare

Applicant	:	LYSORA TECHNOLOGY INC.
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Equipment under Test	:	Wireless Bridge
Model No.	:	L2529
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Test Standard Used:
RSS-247 Issue 4 July 24, 2025,
RSS-Gen Issue 5, Apr. 2018, Amendment 2 (February 2021),
ANSI C63.10-2020+Cor.1-2023+C63.10a-2024+Errata to C63.10a-2024,
789033 D02 General U-NII Test Procedures New Rules v02r01,
662911 D01 Multiple Transmitter Output v02r01

We Declare:
The equipment described above is tested by Guangdong Dongdian Testing Service Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Guangdong Dongdian Testing Service Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

Report No.:	DDT-RE25082809-1E03		
Date of Receipt:	2025/08/28	Date of Test:	2025/08/28 - 2025/12/25

Created: Tiger Mo	Reviewed: Johnson Huang	Approved: Ella Gong
		
2025/12/25	2025/12/26	2025/12/26

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Guangdong Dongdian Testing Service Co., Ltd.

Revision History

Version	Revision Content	Issue Date	Approved
V0	Initial issue	2025/12/26	Ella Gong

1. Summary of Test Results

No.	Test Parameter	Clause No.	Condition	Result
1	6/26db Bandwidth and 99% Bandwidth	RSS-247 Clause 7.3.4.2, RSS-Gen Clause 6.7	/	Pass
2	Output Power	RSS-247 Clause 7.3.1.2, RSS-247 Clause 7.3.2.2, RSS- 247 Clause 7.3.3.2, RSS-247 Clause 7.3.4.3	/	Pass
3	Power Spectral Density	RSS-247 Clause 7.3.1.2, RSS-247 Clause 7.3.2.2, RSS-247 Clause 7.3.3.2, RSS-247 Clause 7.3.4.3	/	Pass
4	Frequency Stability Measurement	RSS-Gen Clause 8.11	/	Pass
5	Radiated Emission	RSS-247 Clause 7.3.1.3, RSS-247 Clause 7.3.2.3, RSS-247 Clause 7.3.3.3, RSS-247 Clause 7.3.4.4, RSS-Gen Clause 8.9	/	Pass
6	Band Edge Compliance	RSS-247 Clause 7.3.1.3, RSS-247 Clause 7.3.2.3, RSS-247 Clause 7.3.3.3, RSS-247 Clause 7.3.4.4, RSS-Gen Clause 8.10	/	Pass
7	Antenna Requirement	RSS-Gen clause 6.8	/	Pass
8	Dynamic Frequency Selection	RSS-247 Clause 7.3.6	/	Pass
9	Power Line Conducted Emissions	RSS-Gen clause 8.8	/	Pass
Note: N/A is an abbreviation for Not Applicable, and means this item is not applicable for this device or no need to test according to standard.				

2. General Test Information

2.1. Description of EUT

EUT Name	: Wireless Bridge
Model Number	: L2529
Difference of model number	: /
EUT Function Description	: Please reference user manual of this device
Power Supply	: 24 VDC non-standard PoE power supply or 12 VDC power supply from DC port
Antenna Type	: Directional Antenna
Max Antenna Gain(dBi)	: Antenna1:13.54dBi, Antenna2: 14.11dBi
TPC Function	: Support
Beamforming	: Not Support

Radio Technology	: IEEE 802.11a/n/ac
Operation frequency	: U-NII-2A: 5260 MHz to 5320 MHz U-NII-2C: 5500 MHz to 5700 MHz U-NII-3: 5745 MHz to 5825 MHz
Modulation	: IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)

Channel information					
IEEE 802.11a IEEE 802.11n (HT20) IEEE 802.11ac (VHT20)		IEEE 802.11n (HT40) IEEE802.11ac (VHT40)		IEEE 802.11ac (VHT80)	
UNII-2A					
52	5260	54	5270	58	5290
56	5280	62	5310	/	/
60	5300	/	/	/	/
64	5320	/	/	/	/
UNII-2C					
100	5500	102	5510	106	5530
104	5520	110	5550	122	5610
108	5540	118	5590	138	/
112	5560	126	5630	/	/
116	5580	134	5670	/	/
120	5600	142	/	/	/
124	5620	/	/	/	/
128	5640	/	/	/	/
132	5660	/	/	/	/
136	5680	/	/	/	/
140	5700	/	/	/	/
UNII-3					

149	5745	151	5755	155	5775
153	5765	159	5795	/	/
157	5785	/	/	/	/
161	5805	/	/	/	/
165	5825	/	/	/	/
Note: Band 5600-5650MHz will be disabled when shipped to Canada.					

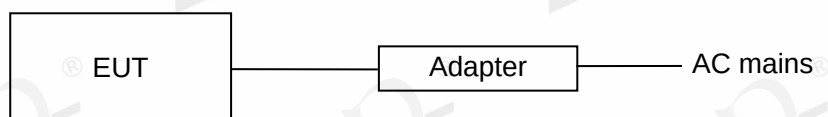
Note: The above EUT information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications or User's Manual. The above Antenna information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

“☑” means to be chosen or applicable; “☐” means don't to be chosen or not applicable; This note applies to entire report.

2.2. Accessories of EUT

Accessories	Manufacturer	Model number	Description
SWITCHING POWER ADAPTOR	Dongguan Shilong Fuhua Electronic Co.,Ltd.	UES15LCP-240060SPA	INPUT: 100-240V~50/60Hz,0.5A OUTPUT: DC 24.0V/0.6A,14.4W

2.3. Block diagram of EUT configuration for test



2.4. Decision of final test mode

According pre-test, the worst test modes were reported as below:

Test software: QATool_Dbg.exe

The test software was used to control EUT work in Continuous Tx mode, and select test channel, wireless mode as below table.

The pathloss of external cable: 2 dB (According to the manufacturer's claims)

Tested mode, Tx Power Setting, Data rate, Channel, and Frequency					
Tested mode	Tx Power Setting		Data rate (Mbps) (see Note)	Test Channel	Frequency (MHz)
	ANT1	ANT2			
IEEE 802.11a	06	06	6	LCH: CH52	5260
	06	06	6	MCH: CH56	5280
	06	06	6	HCH: CH64	5320
	06	06	6	LCH: CH100	5500
	06	06	6	MCH: CH116	5580
	06	06	6	HCH: CH140	5700
	10	10	6	LCH: CH149	5745
	10	10	6	MCH: CH157	5785
	10	10	6	HCH: CH165	5825
IEEE 802.11n HT20	06	06	MCS 8	LCH: CH52	5260
	06	06	MCS 8	MCH: CH56	5280
	06	06	MCS 8	HCH: CH64	5320
	06	06	MCS 8	LCH: CH100	5500
	06	06	MCS 8	MCH: CH116	5580
	06	06	MCS 8	HCH: CH140	5700
	10	10	MCS 8	LCH: CH149	5745
	10	10	MCS 8	MCH: CH157	5785
	10	10	MCS 8	HCH: CH165	5825
IEEE 802.11n HT40	06	06	MCS 8	LCH: CH54	5270
	06	06	MCS 8	HCH: CH62	5310
	06	06	MCS 8	LCH: CH102	5510
	06	06	MCS 8	MCH: CH110	5550
	06	06	MCS 8	HCH: CH134	5670
	10	10	MCS 8	LCH: CH151	5755
	10	10	MCS 8	HCH: CH159	5795
IEEE 802.11ac VHT20	06	06	MCS 0	LCH: CH52	5260
	06	06	MCS 0	MCH: CH56	5280
	06	06	MCS 0	HCH: CH64	5320
	06	06	MCS 0	LCH: CH100	5500
	06	06	MCS 0	MCH: CH116	5580
	06	06	MCS 0	HCH: CH140	5700

	10	10	MCS 0	LCH: CH149	5745
	10	10	MCS 0	MCH: CH157	5785
	10	10	MCS 0	HCH: CH165	5825
IEEE 802.11 ac VHT40	06	06	MCS 0	LCH: CH54	5270
	06	06	MCS 0	HCH: CH62	5310
	06	06	MCS 0	LCH: CH102	5510
	06	06	MCS 0	MCH: CH110	5550
	06	06	MCS 0	HCH: CH134	5670
	10	10	MCS 0	LCH: CH159	5755
	10	10	MCS 0	HCH: CH36	5795
IEEE 802.11ac VHT80	08	08	MCS 0	CH58	5290
	08	08	MCS 0	LCH: CH106	5530
	08	08	MCS 0	HCH: CH122	5610
	10	10	MCS 0	CH155	5775
Note: According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test.					

2.5. Deviations of test standard

No deviation.

2.6. Test environment conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature range:	+15°C to +35 °C
Humidity range:	20% to 75%
Pressure range:	86 kPa to 106 kPa

Note: The specific temperature and humidity information of each test item refers to the temperature and humidity record in the corresponding test data.

2.7. Test laboratory

Guangdong Dongdian Testing Service Co., Ltd.

Add.: Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808.

Tel.: +86-0769-38826678, <http://www.dgddt.com>, Email: ddt@dgddt.com.

CNAS Accreditation No. L6451; A2LA Accreditation Number: 3870.01

FCC Designation Number: CN1182, Test Firm Registration Number: 540522

Innovation, Science and Economic Development Canada Site Registration Number: 10288A

Conformity Assessment Body identifier: CN0048

VCCI facility registration number: C-20087, T-20088, R-20123, R-20240, G-20118

2.8. Measurement uncertainty

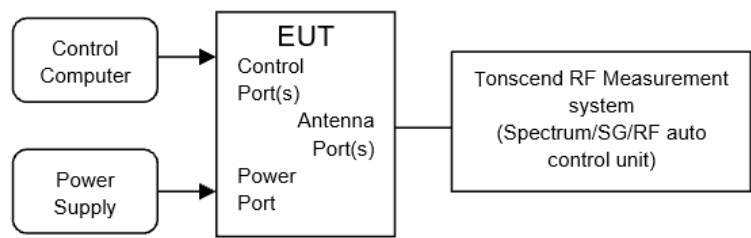
Test Item	Uncertainty
Bandwidth	1.1%
Peak Output Power (Conducted) (Spectrum analyzer)	0.86 dB ($10 \text{ MHz} \leq f < 3.6 \text{ GHz}$); 1.38 dB ($3.6 \text{ GHz} \leq f < 8 \text{ GHz}$)
Peak Output Power (Conducted) (Power Sensor)	0.74 dB
Power Spectral Density	0.74 dB ($10 \text{ MHz} \leq f < 3.6 \text{ GHz}$); 1.38 dB ($3.6 \text{ GHz} \leq f < 8 \text{ GHz}$)
Frequencies Stability	6.7×10^{-8} (Antenna couple method) 5.5×10^{-8} (Conducted method)
Conducted spurious emissions	0.86 dB ($10 \text{ MHz} \leq f < 3.6 \text{ GHz}$); 1.40 dB ($3.6 \text{ GHz} \leq f < 8 \text{ GHz}$) 1.66 dB ($8 \text{ GHz} \leq f < 26.5 \text{ GHz}$)
Uncertainty for radio frequency (RBW < 20 kHz)	3×10^{-8}
Temperature	0.4 °C
Humidity	2 %
Uncertainty for Radiation Emission test (9 kHz – 30 MHz)	3.44 dB
Uncertainty for Radiation Emission test (30 MHz - 1 GHz)	4.70 dB (Antenna Polarize: V) 4.84 dB (Antenna Polarize: H)
Uncertainty for Radiation Emission test (1 GHz - 40 GHz)	4.10 dB (1 - 6 GHz) 4.40 dB (6 GHz - 18 GHz) 3.54 dB (18 GHz - 26 GHz) 4.30 dB (26 GHz - 40 GHz)
Uncertainty for Power line conduction emission test	3.34dB (150KHz-30MHz) 3.72dB (9KHz-150KHz)
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

3. Equipment Used During Conductive Test

Equipment	Manufacturer	Model No.	Serial Number	Due Date
☒ RF Connected Test (RF Measurement System 1#)				
SIGNAL ANALYZER	R&S	FSQ26	101272	2026/03/28
Wideband Radio Communication Tester	R&S	CMW500	120259	2026/03/28
MXG Vector Signal Generator	KEYSIGHT	N5182B	MY59100192	2026/03/28
MXG Vector Signal Generator	Agilent	N5182A	MY19060405	2026/03/28
RF Control Unit	Tonscend	JS0806-2	158060010	2026/03/28
TEMP&HUMI Programmable Chamber	ZHIXIANG	ZXGDJS-150L	ZX170110-A	2026/03/28
Test Software	Tonscend	JS1120-3	V3.6.21	N/A
☒ RF Connected Test (RF Measurement System 4#)				
Signal & Spectrum Analyzer	R&S	FSV3044	101173	2026/03/28
Wideband Radio Communication Tester	R&S	CMW500	168801	2026/03/28
MXG Vector Signal Generator	Agilent	N5182A	MY48180737	2026/03/28
PSG Vector Signal Generator	Agilent	E8267D	US49060192	2026/08/10
RF Control Unit	Tonscend	JS0806-2	2118060485	2026/03/28
TEMP&HUMI Programmable Chamber	ZHIXIANG	ZXGDJS-150L	ZX170110-A	2026/03/28
Test Software	Tonscend	JS1120-3	V3.6.21	N/A

4. 26dB Bandwidth

4.1. Block diagram of test setup



4.2. Limits

RSS-247		
Test Item	Limit	Frequency Range (MHz)
26 dB Bandwidth	---	5150 - 5250
	---	5250 - 5350
	---	5470 - 5725
	---	5745 - 5825
		Just for Report

4.3. 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	approximately 1% of the emission bandwidth.
VBW	> 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 26 dB relative to the maximum level measured in the fundamental emission.

4.4. Test result

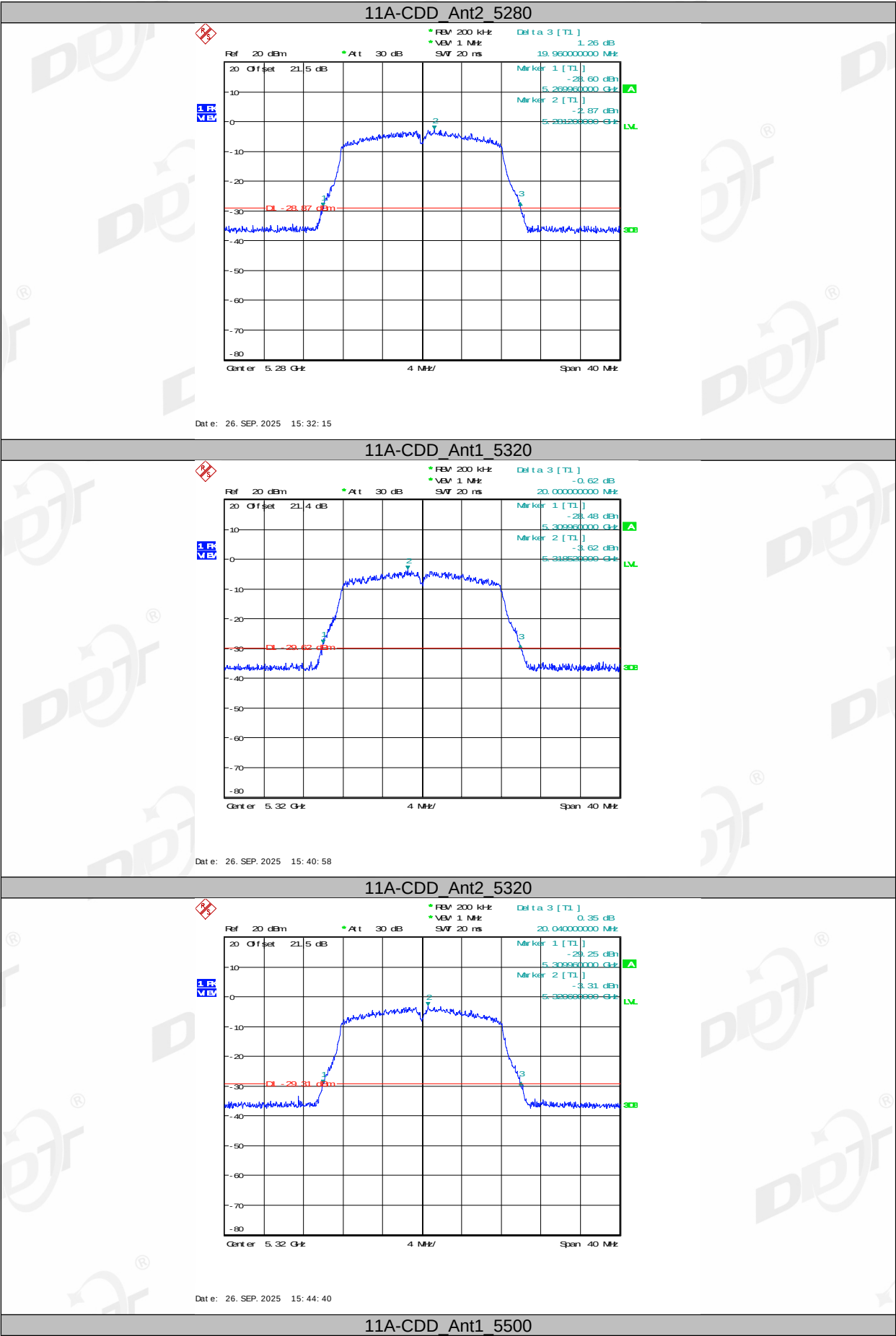
Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 1#
Ambient Condition:	28.6℃,40.1%RH	Test Date:	2025.09.26-2025.12.25
Test Power Supply:	AC120V/60Hz	Sample Number:	S25082809-001

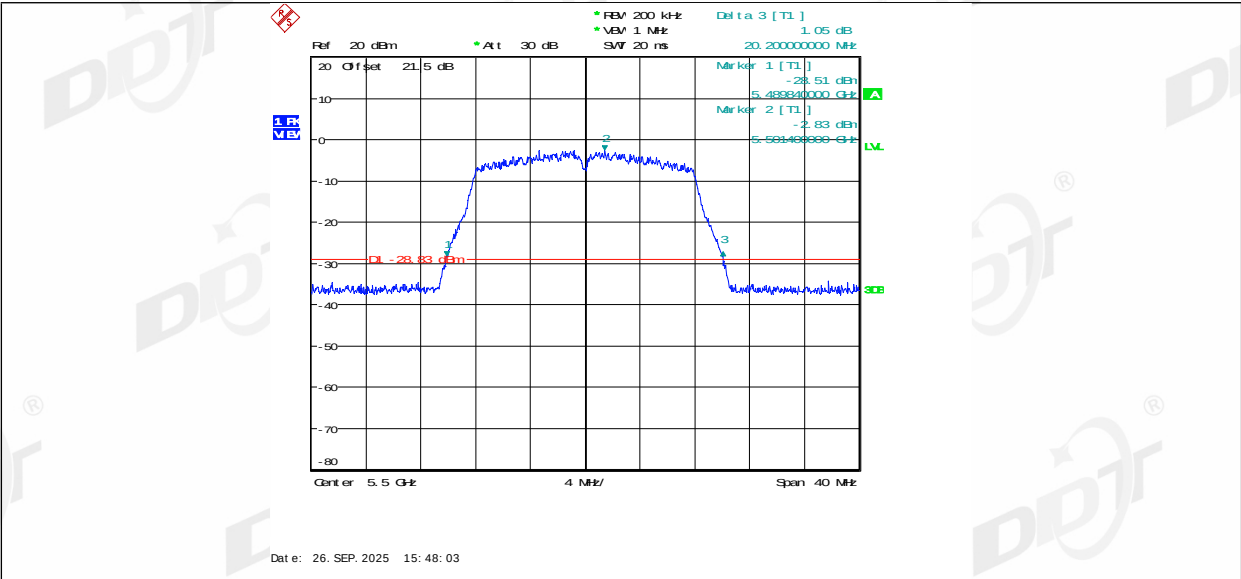
Test Mode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5260	20.16	5249.92	5270.08	---	---
	Ant2	5260	19.80	5250.04	5269.84	---	---
	Ant1	5280	20.20	5269.88	5290.08	---	---
	Ant2	5280	19.96	5269.96	5289.92	---	---
	Ant1	5320	20.00	5309.96	5329.96	---	---
	Ant2	5320	20.04	5309.96	5330.00	---	---
	Ant1	5500	20.20	5489.84	5510.04	---	---
	Ant2	5500	20.16	5489.92	5510.08	---	---
	Ant1	5580	20.08	5569.96	5590.04	---	---
	Ant2	5580	20.08	5569.92	5590.00	---	---
	Ant1	5700	19.96	5689.96	5709.92	---	---
	Ant2	5700	19.84	5690.00	5709.84	---	---
	Ant1	5745	20.00	5735.04	5755.04	---	---
	Ant2	5745	19.76	5735.12	5754.88	---	---
	Ant1	5785	20.16	5774.88	5795.04	---	---
	Ant2	5785	19.88	5775.08	5794.96	---	---
	Ant1	5825	20.08	5814.96	5835.04	---	---
	Ant2	5825	20.04	5815.00	5835.04	---	---
11N20MIMO	Ant1	5260	20.44	5249.76	5270.20	---	---
	Ant2	5260	20.28	5249.84	5270.12	---	---
	Ant1	5280	20.56	5269.64	5290.20	---	---
	Ant2	5280	20.32	5269.80	5290.12	---	---
	Ant1	5320	20.52	5309.68	5330.20	---	---
	Ant2	5320	20.20	5309.84	5330.04	---	---
	Ant1	5500	20.52	5489.76	5510.28	---	---
	Ant2	5500	20.40	5489.76	5510.16	---	---
	Ant1	5580	20.40	5569.80	5590.20	---	---
	Ant2	5580	20.16	5569.88	5590.04	---	---
	Ant1	5700	20.32	5689.80	5710.12	---	---
	Ant2	5700	20.28	5689.80	5710.08	---	---
	Ant1	5745	20.36	5734.84	5755.20	---	---
	Ant2	5745	20.16	5734.92	5755.08	---	---
	Ant1	5785	20.40	5774.76	5795.16	---	---
	Ant2	5785	20.28	5774.80	5795.08	---	---
	Ant1	5825	20.48	5814.72	5835.20	---	---
	Ant2	5825	20.16	5814.84	5835.00	---	---
11N40MIMO	Ant1	5270	41.20	5249.36	5290.56	---	---
	Ant2	5270	40.40	5249.84	5290.24	---	---
	Ant1	5310	41.44	5289.28	5330.72	---	---
	Ant2	5310	40.64	5289.68	5330.32	---	---
	Ant1	5510	41.20	5489.36	5530.56	---	---
	Ant2	5510	40.56	5489.76	5530.32	---	---
	Ant1	5550	41.12	5529.44	5570.56	---	---
	Ant2	5550	40.40	5529.84	5570.24	---	---
	Ant1	5670	41.20	5649.36	5690.56	---	---
	Ant2	5670	40.88	5649.60	5690.48	---	---
	Ant1	5755	40.88	5734.68	5775.56	---	---
	Ant2	5755	40.16	5734.84	5775.00	---	---
	Ant1	5795	41.04	5774.44	5815.48	---	---
	Ant2	5795	40.32	5774.76	5815.08	---	---
11AC20MIMO	Ant1	5260	20.44	5249.76	5270.20	---	---
	Ant2	5260	20.20	5249.92	5270.12	---	---
	Ant1	5280	20.44	5269.80	5290.24	---	---
	Ant2	5280	20.32	5269.88	5290.20	---	---
	Ant1	5320	20.40	5309.76	5330.16	---	---

	Ant2	5320	20.28	5309.88	5330.16	---	---
	Ant1	5500	20.40	5489.76	5510.16	---	---
	Ant2	5500	20.20	5489.88	5510.08	---	---
	Ant1	5580	20.40	5569.76	5590.16	---	---
	Ant2	5580	20.24	5569.88	5590.12	---	---
	Ant1	5700	20.48	5689.68	5710.16	---	---
	Ant2	5700	20.24	5689.84	5710.08	---	---
	Ant1	5745	20.40	5734.76	5755.16	---	---
	Ant2	5745	20.36	5734.76	5755.12	---	---
	Ant1	5785	20.44	5774.80	5795.24	---	---
	Ant2	5785	20.28	5774.84	5795.12	---	---
	Ant1	5825	20.48	5814.72	5835.20	---	---
	Ant2	5825	20.40	5814.76	5835.16	---	---
11AC40MIM O	Ant1	5270	41.28	5249.20	5290.48	---	---
	Ant2	5270	40.56	5249.76	5290.32	---	---
	Ant1	5310	41.20	5289.28	5330.48	---	---
	Ant2	5310	40.40	5289.76	5330.16	---	---
	Ant1	5510	41.20	5489.20	5530.40	---	---
	Ant2	5510	40.80	5489.44	5530.24	---	---
	Ant1	5550	40.80	5529.52	5570.32	---	---
	Ant2	5550	40.72	5529.60	5570.32	---	---
	Ant1	5670	41.12	5649.44	5690.56	---	---
	Ant2	5670	40.40	5649.76	5690.16	---	---
	Ant1	5755	40.80	5734.60	5775.40	---	---
	Ant2	5755	40.40	5734.76	5775.16	---	---
11AC80MIM O	Ant1	5290	81.60	5249.04	5330.64	---	---
	Ant2	5290	81.44	5249.20	5330.64	---	---
	Ant1	5530	81.12	5489.36	5570.48	---	---
	Ant2	5530	81.12	5489.52	5570.64	---	---
	Ant1	5610	81.60	5569.20	5650.80	---	---
	Ant2	5610	81.12	5569.52	5650.64	---	---
	Ant1	5775	81.12	5734.52	5815.64	---	---
	Ant2	5775	80.80	5734.52	5815.32	---	---

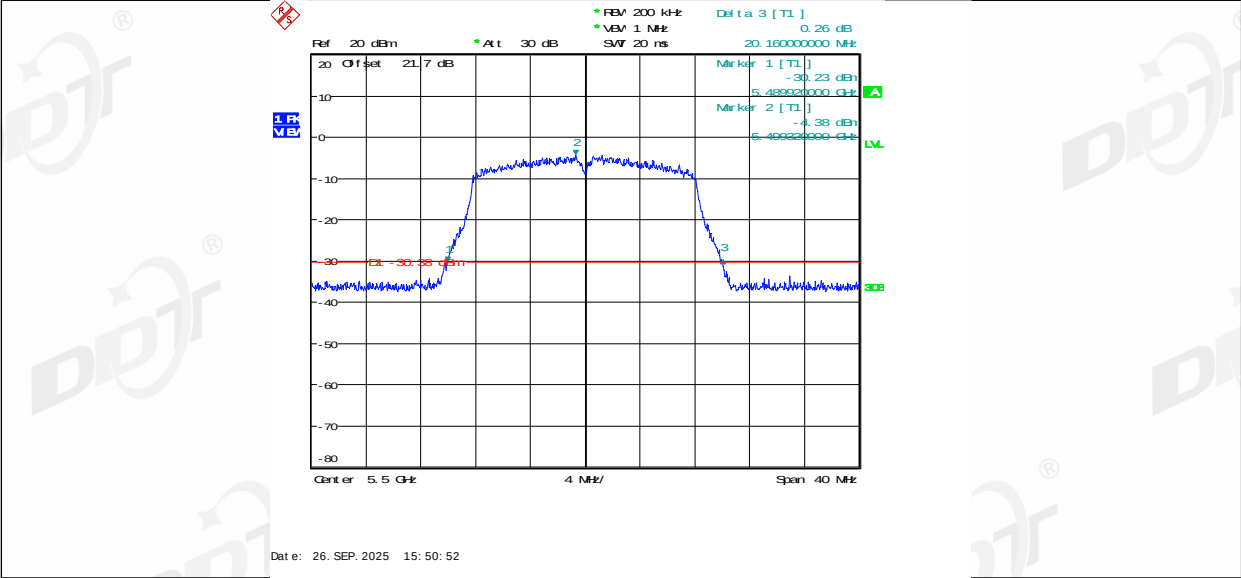
4.5. Test graphs



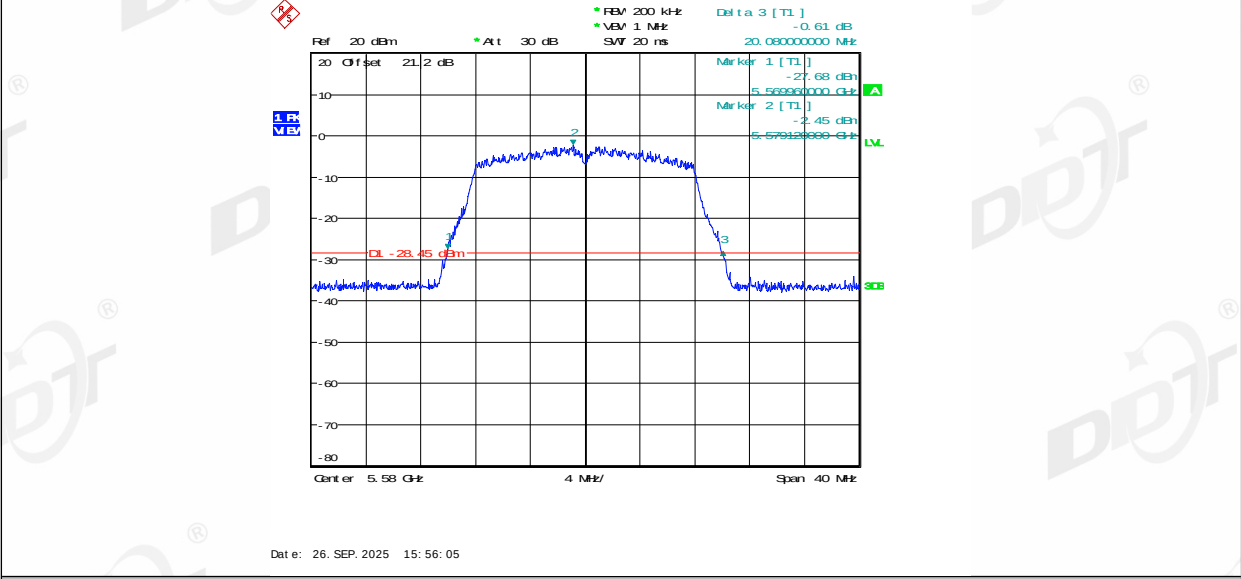




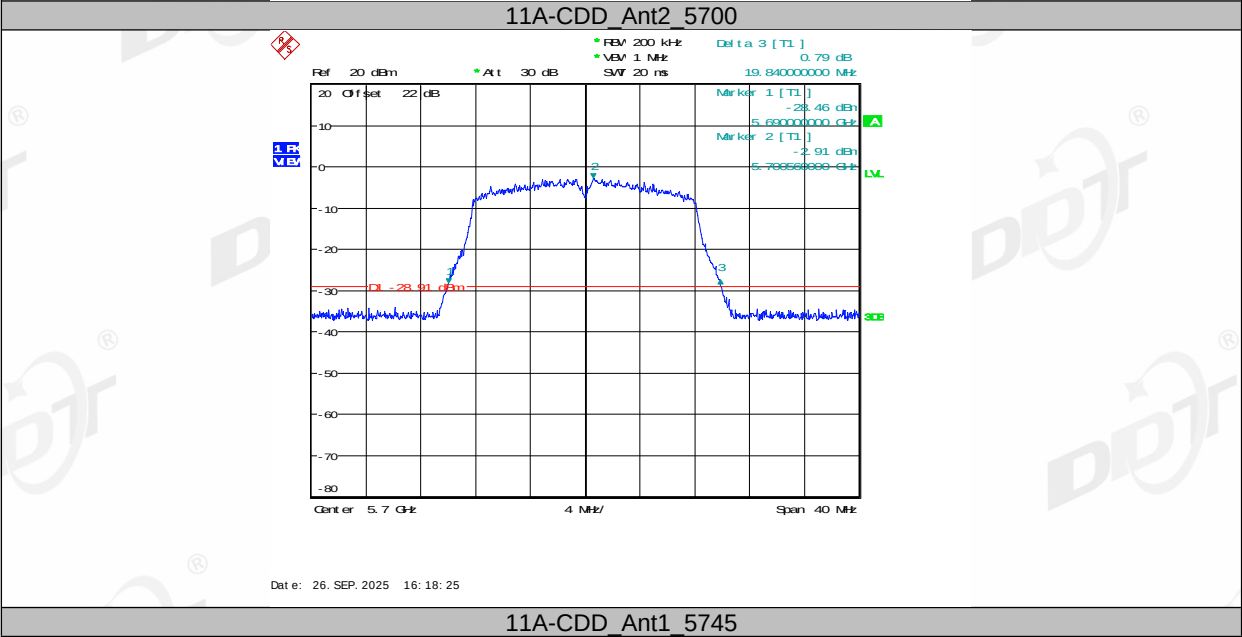
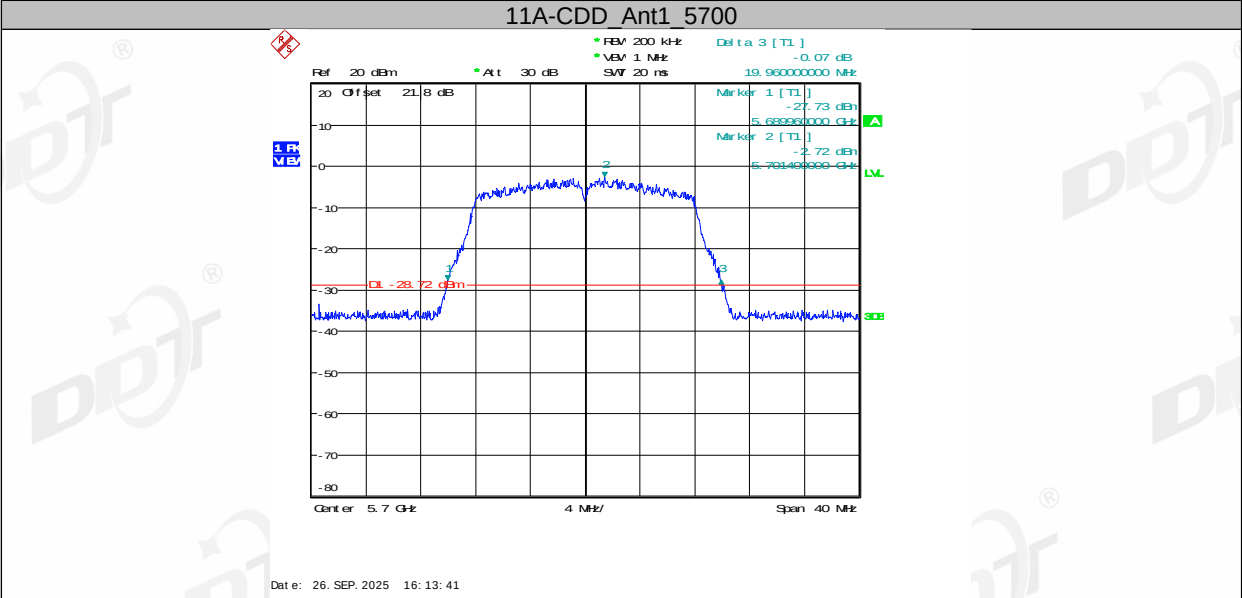
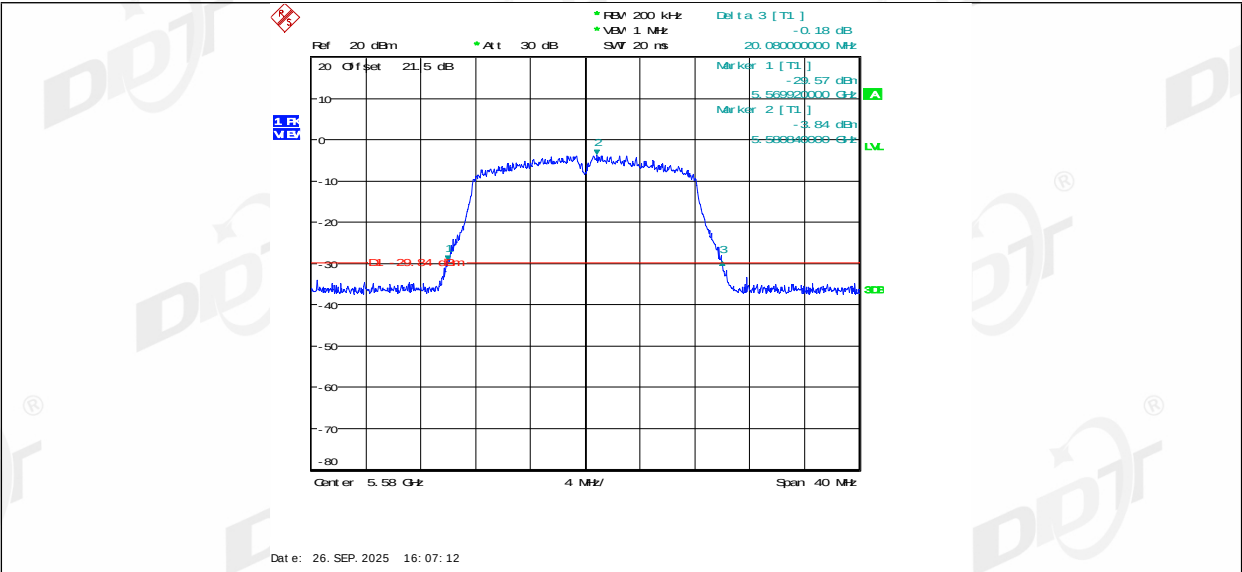
11A-CDD_Ant2_5500

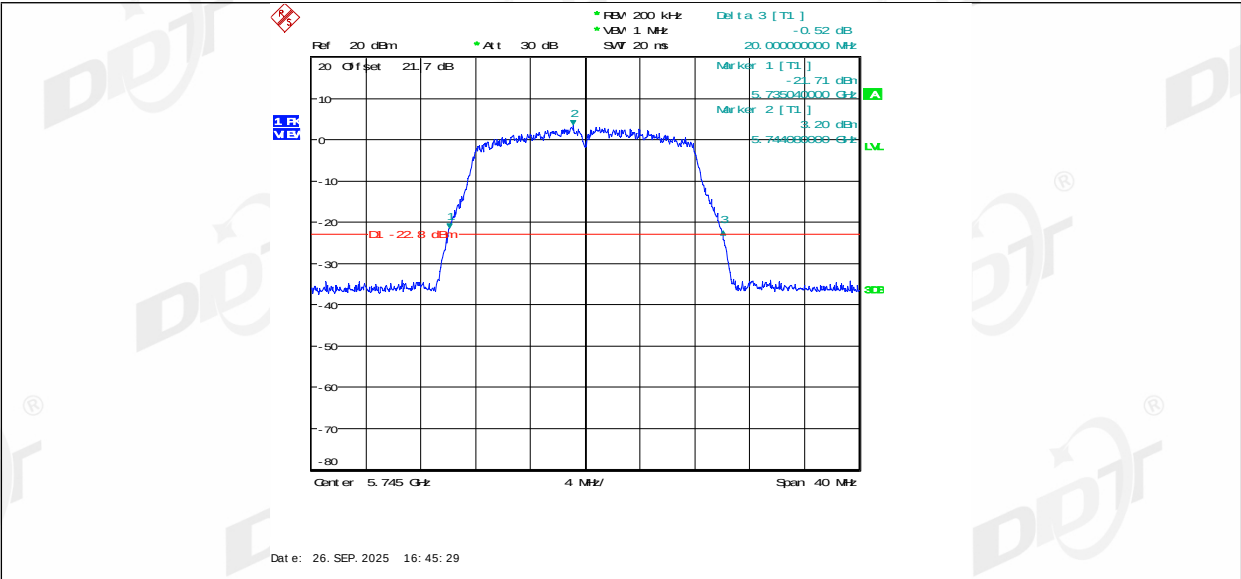


11A-CDD_Ant1_5580

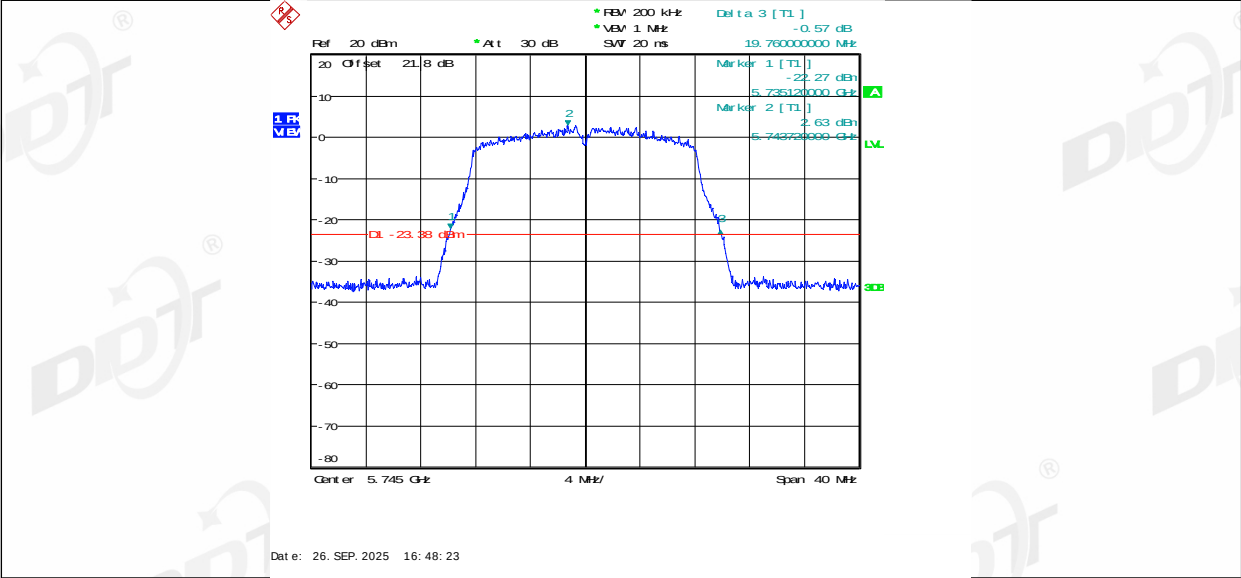


11A-CDD_Ant2_5580

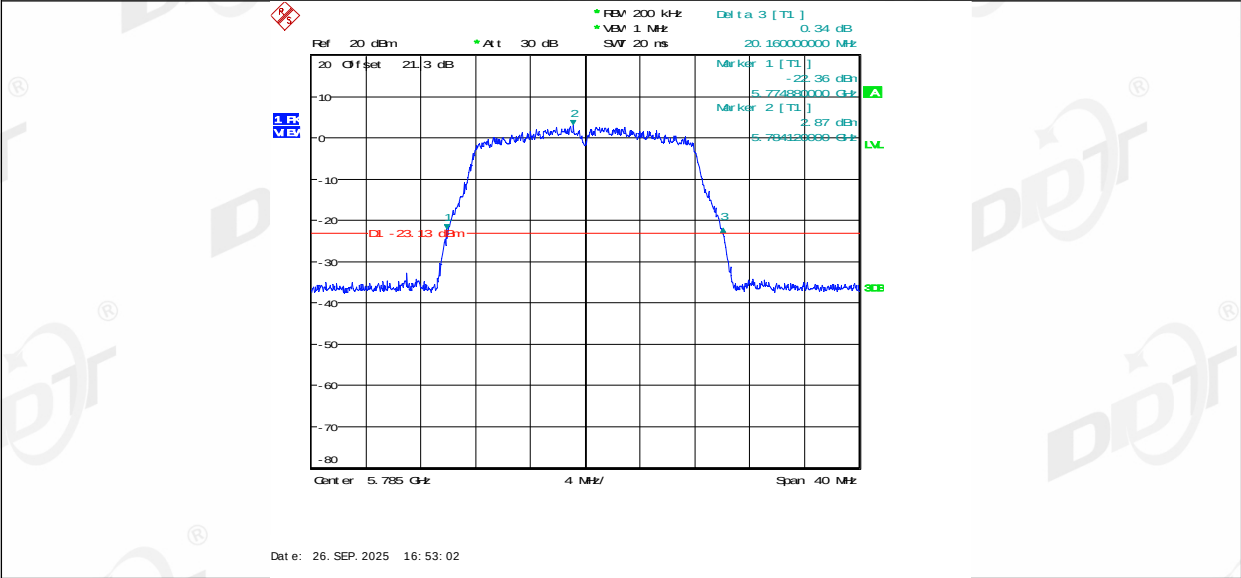




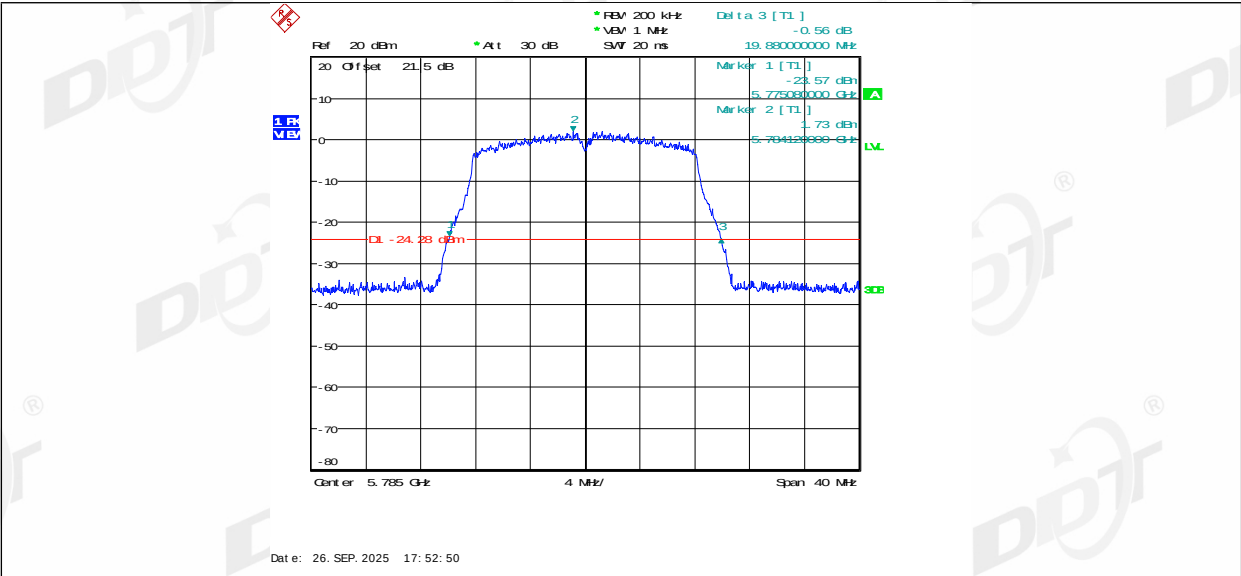
11A-CDD_Ant2_5745



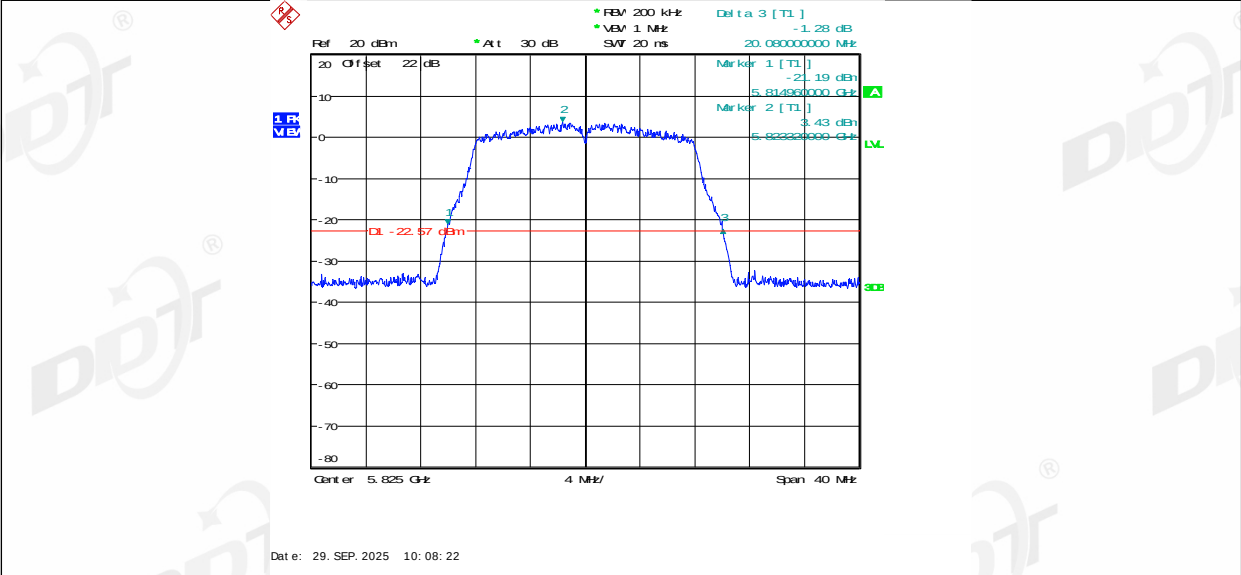
11A-CDD_Ant1_5785



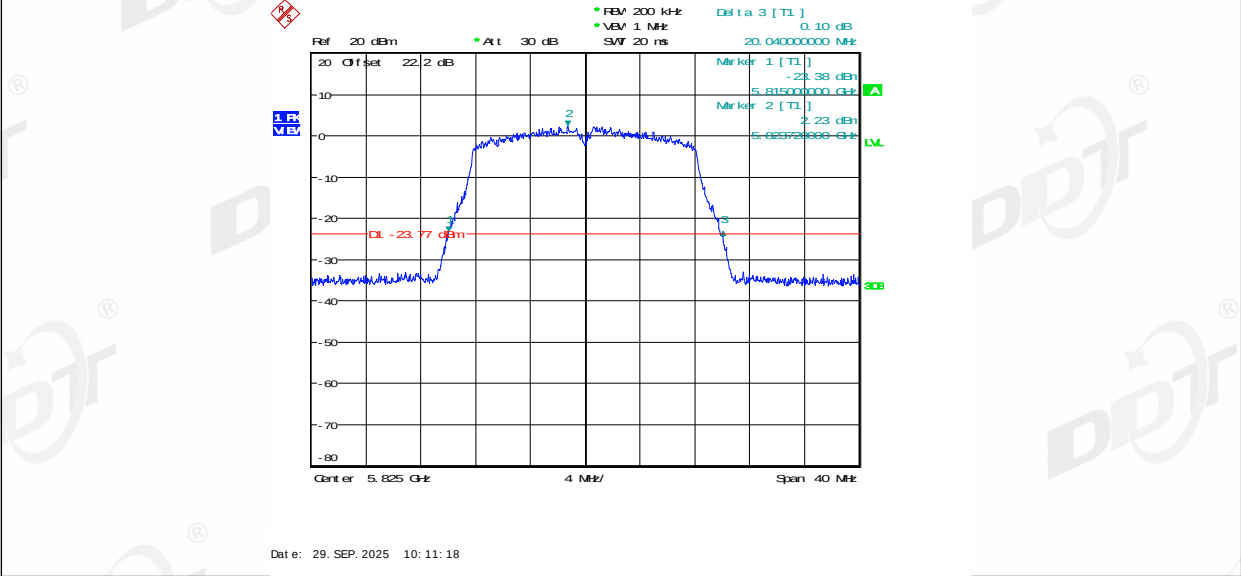
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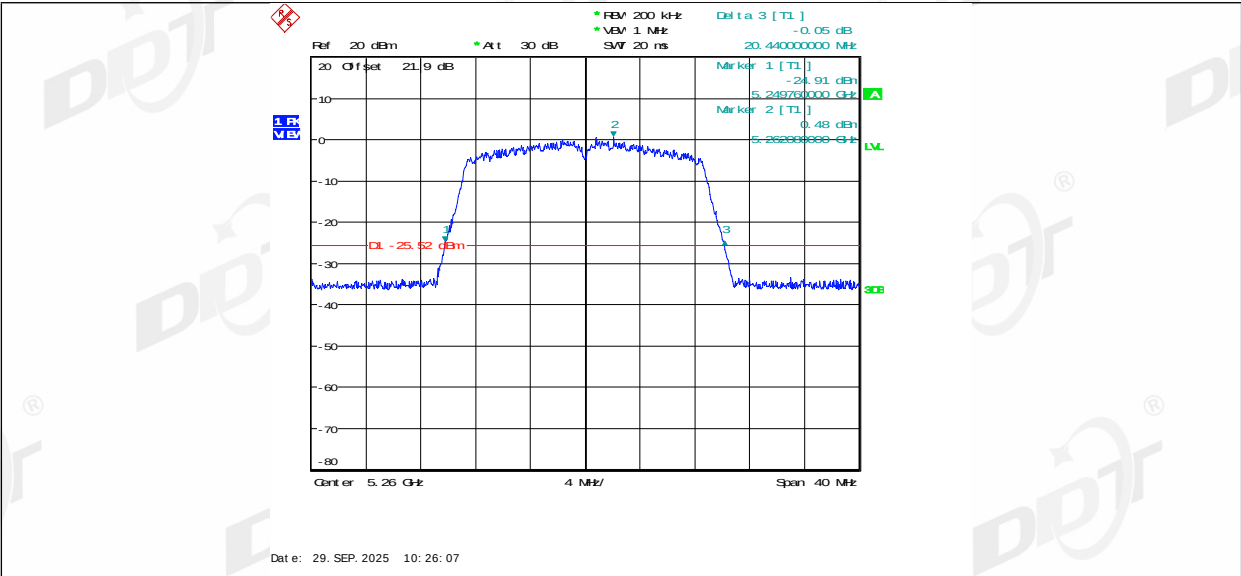
11A-CDD_Ant1_5825



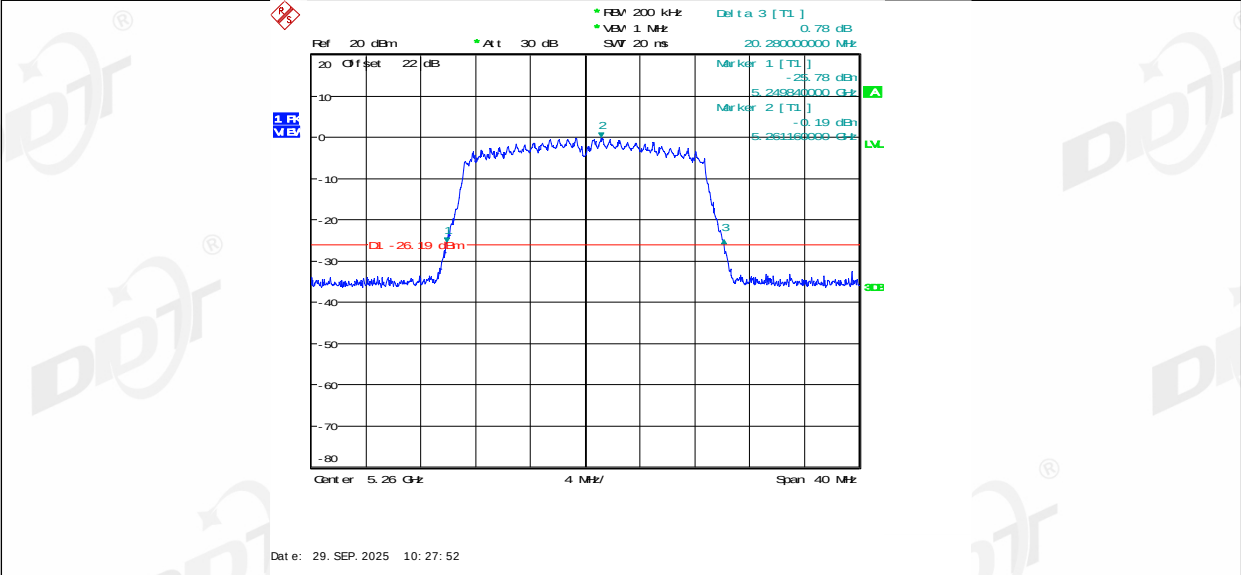
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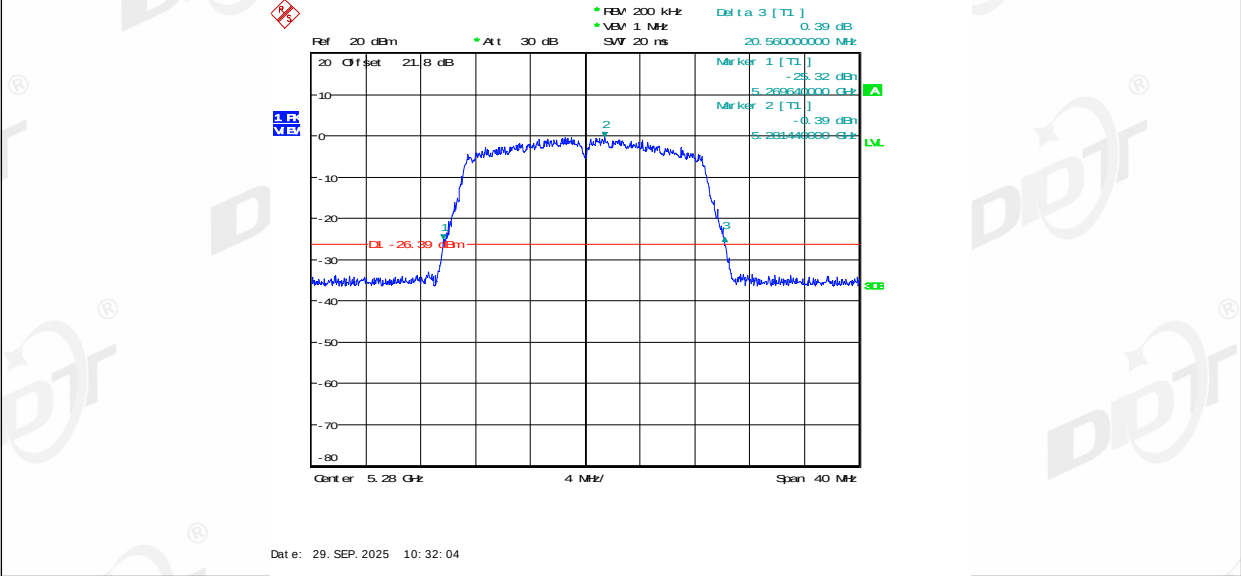
11N20MIMO_Ant1_5260



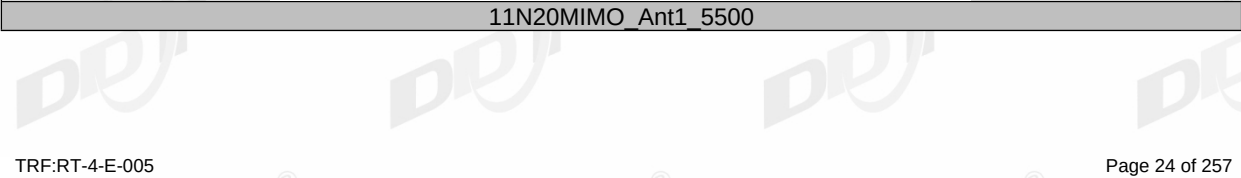
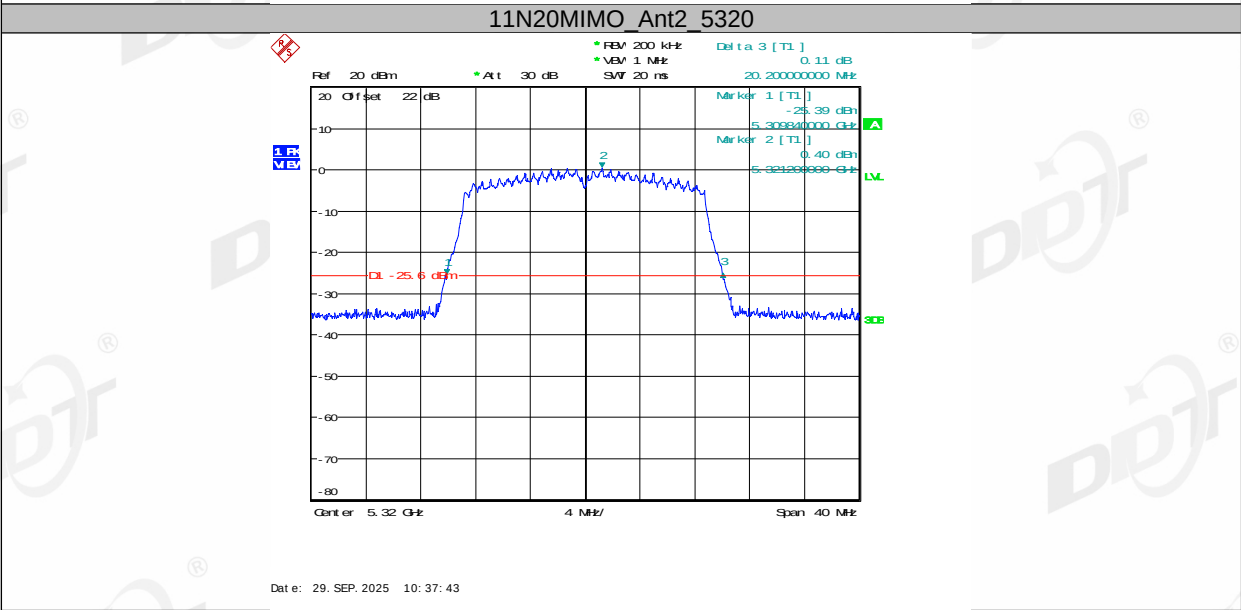
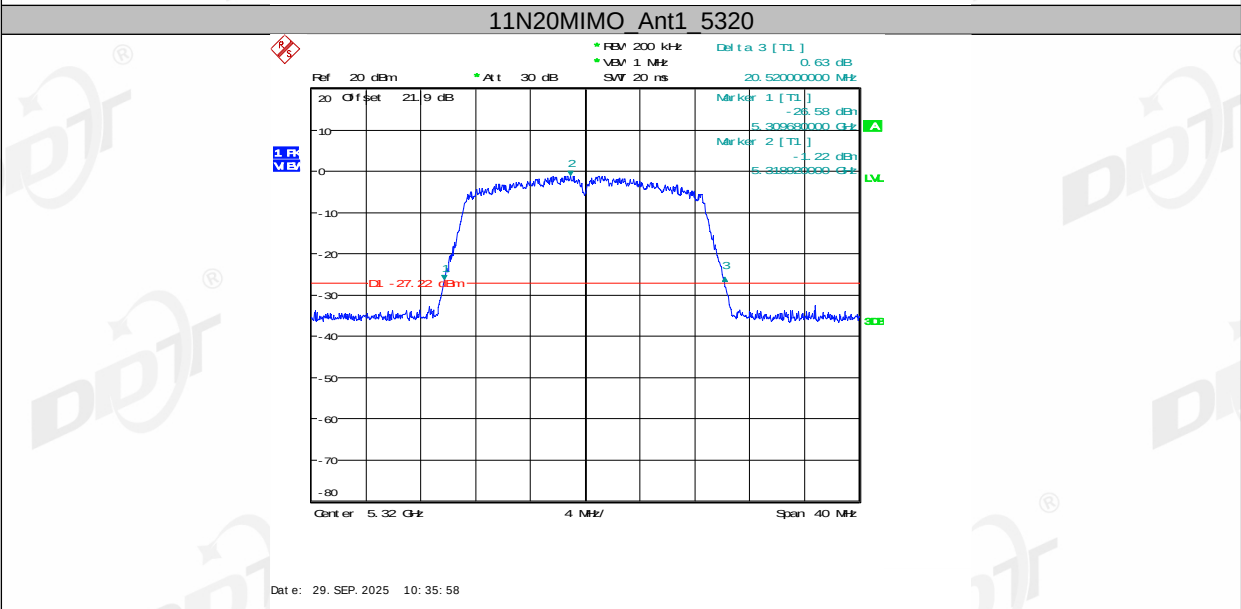
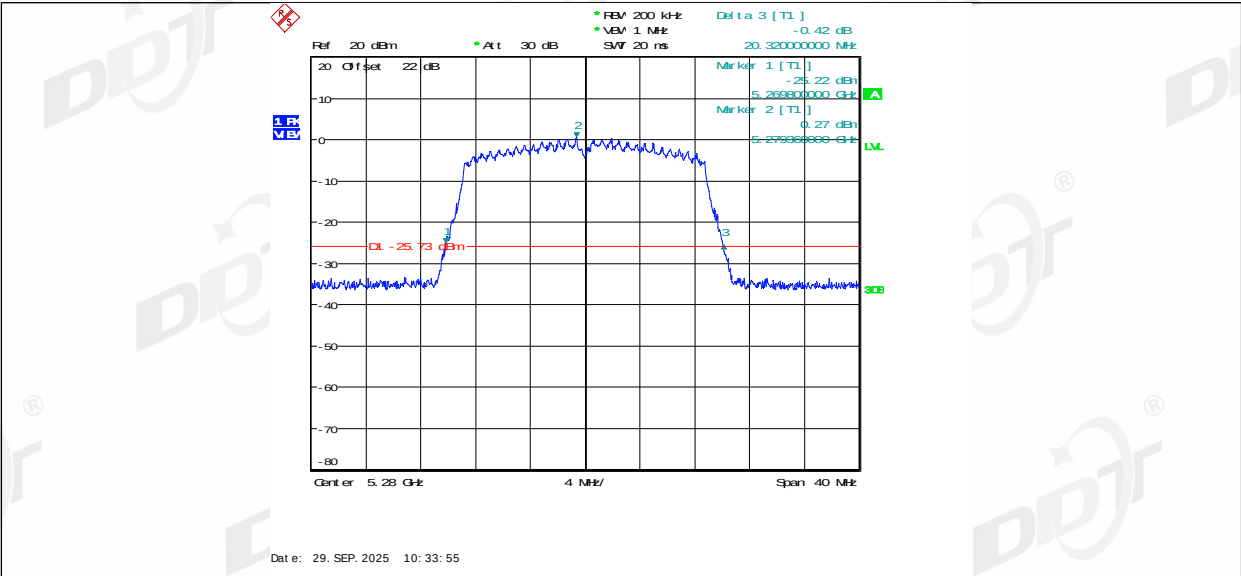
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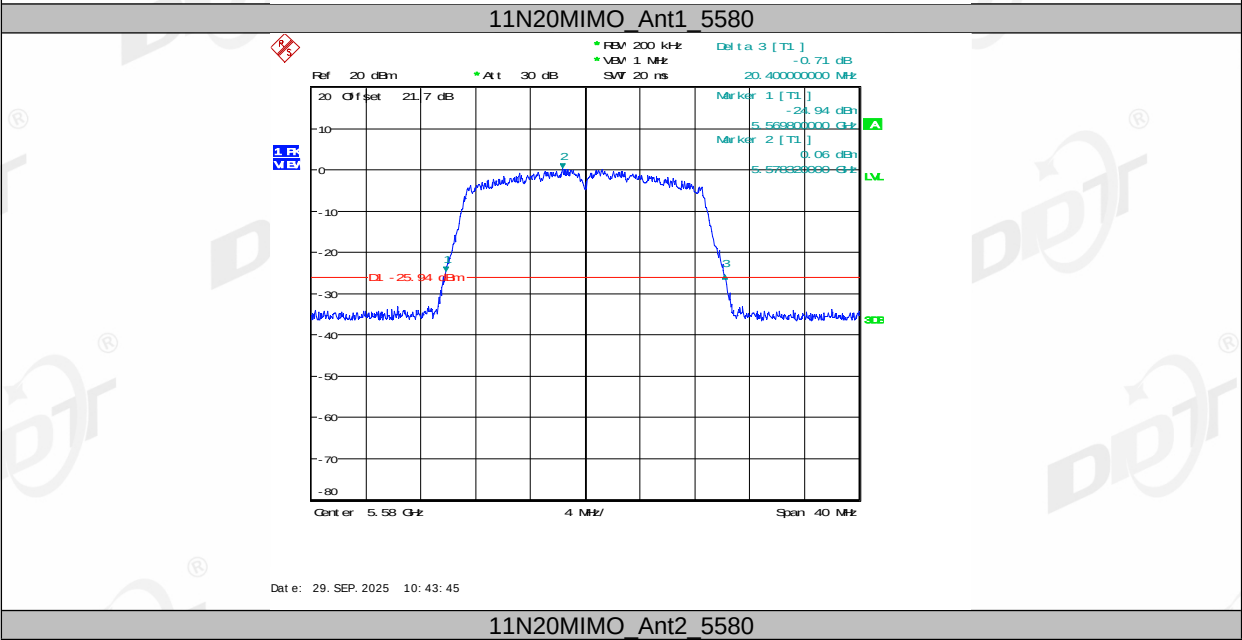
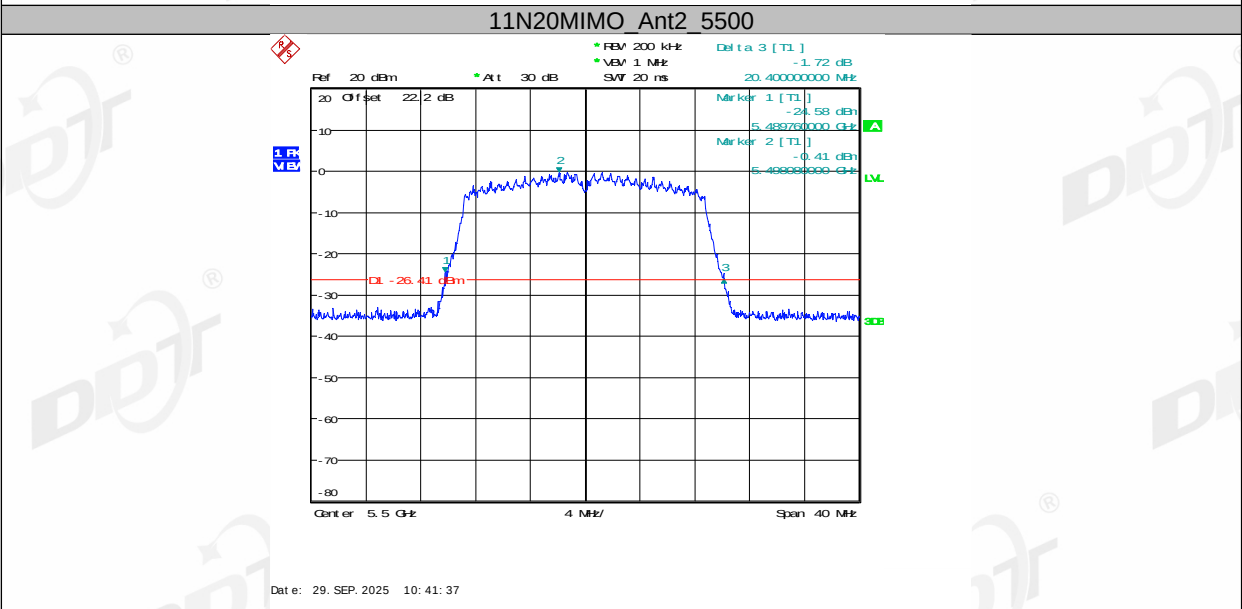
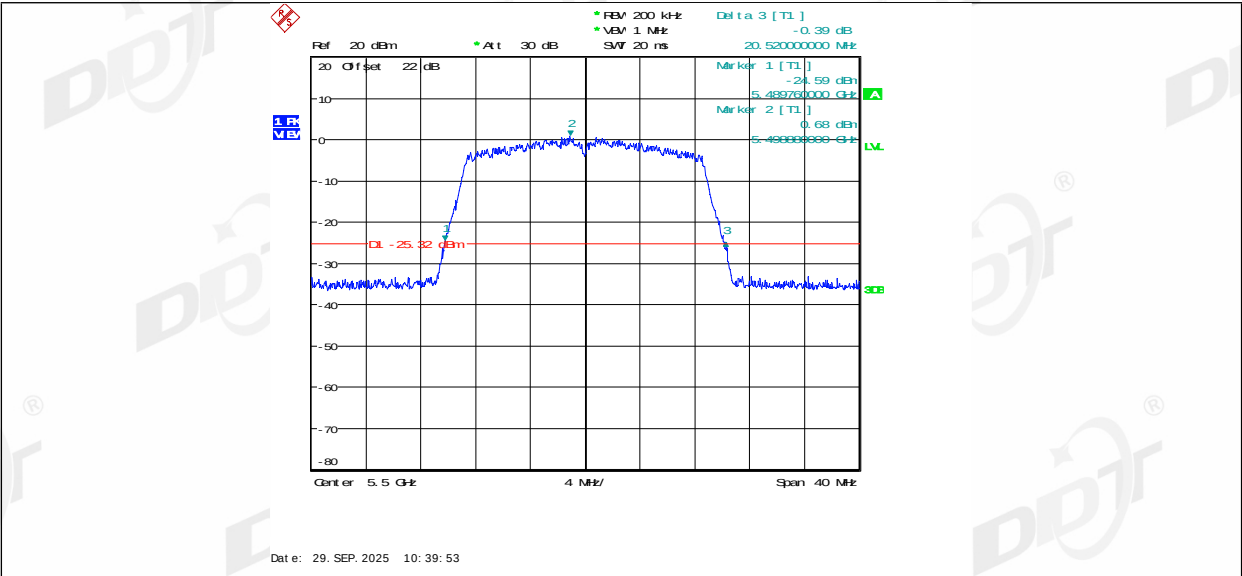


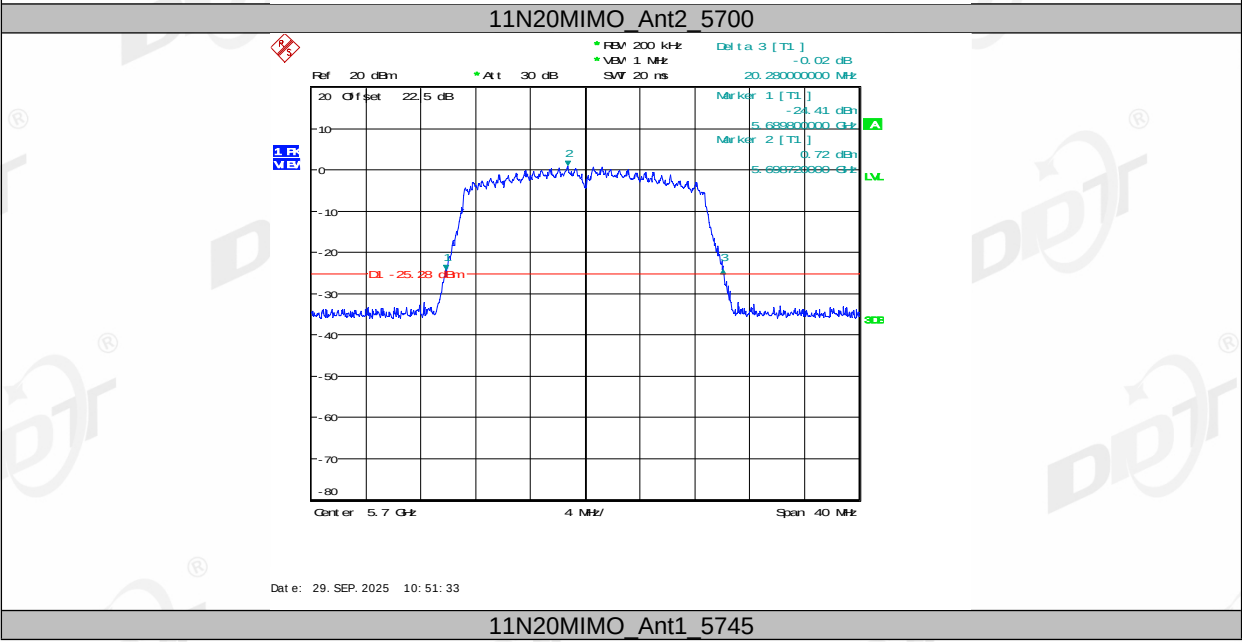
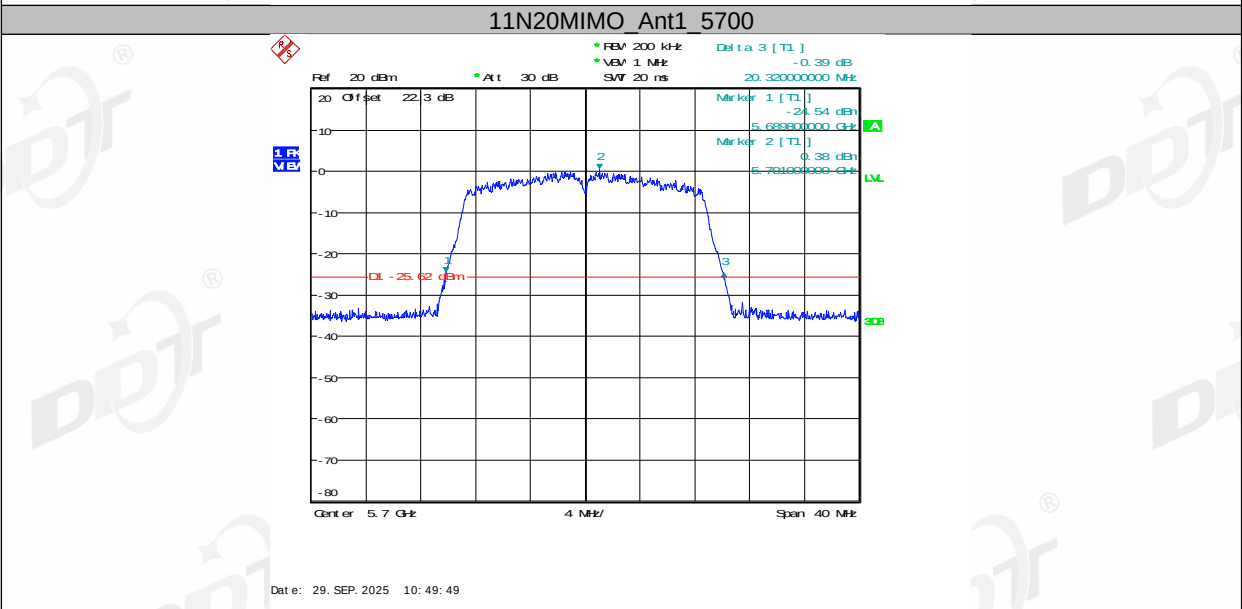
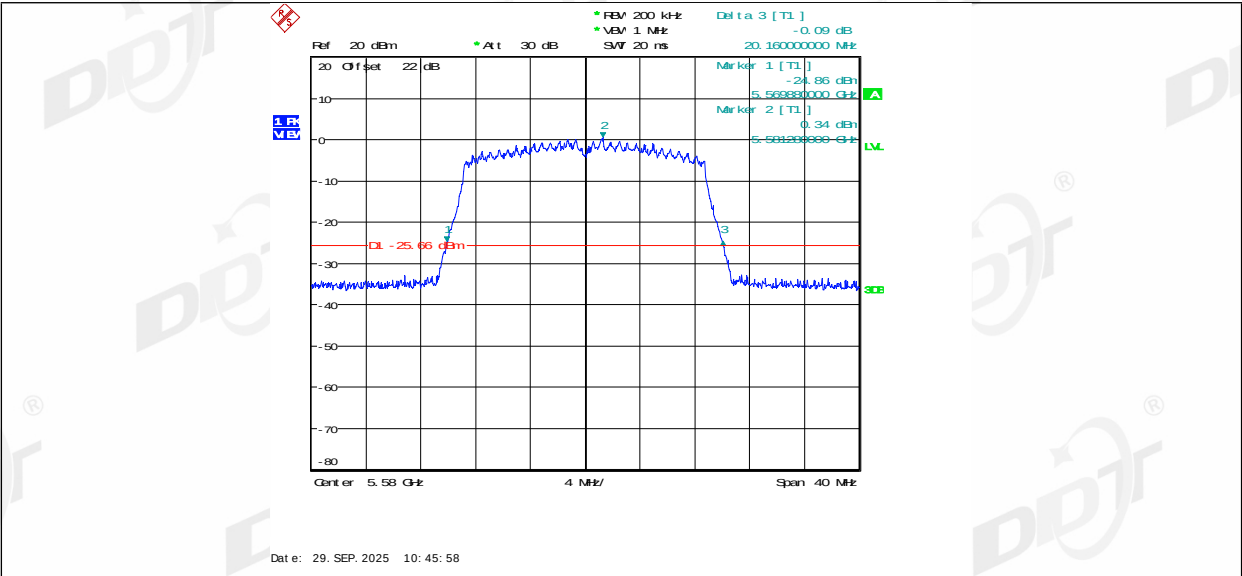
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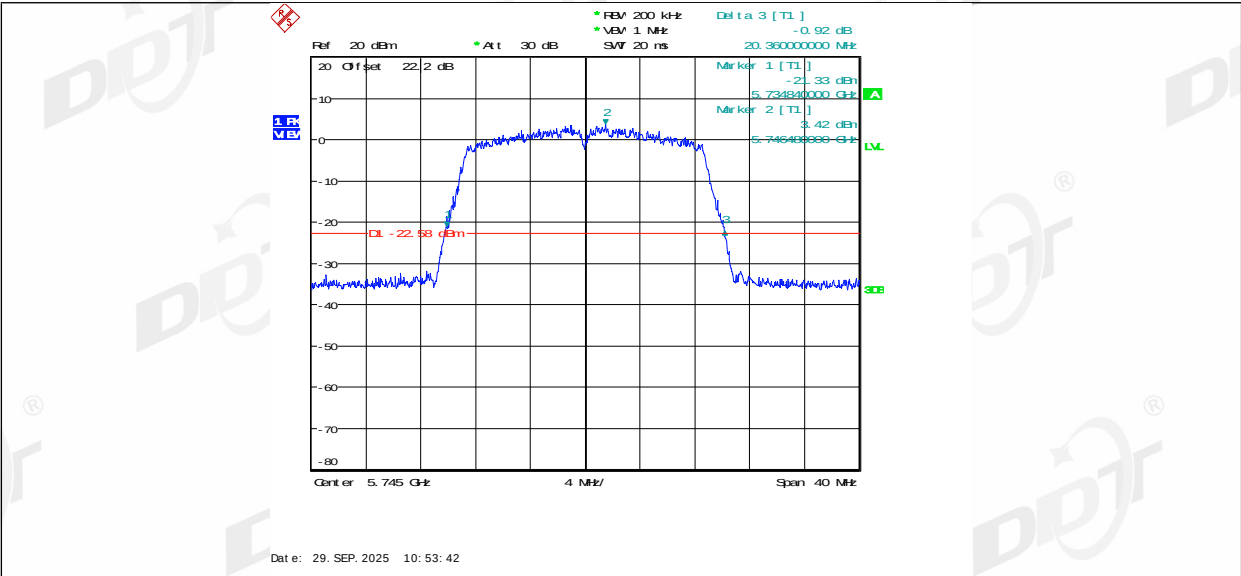


11N20MIMO_Ant2_5280

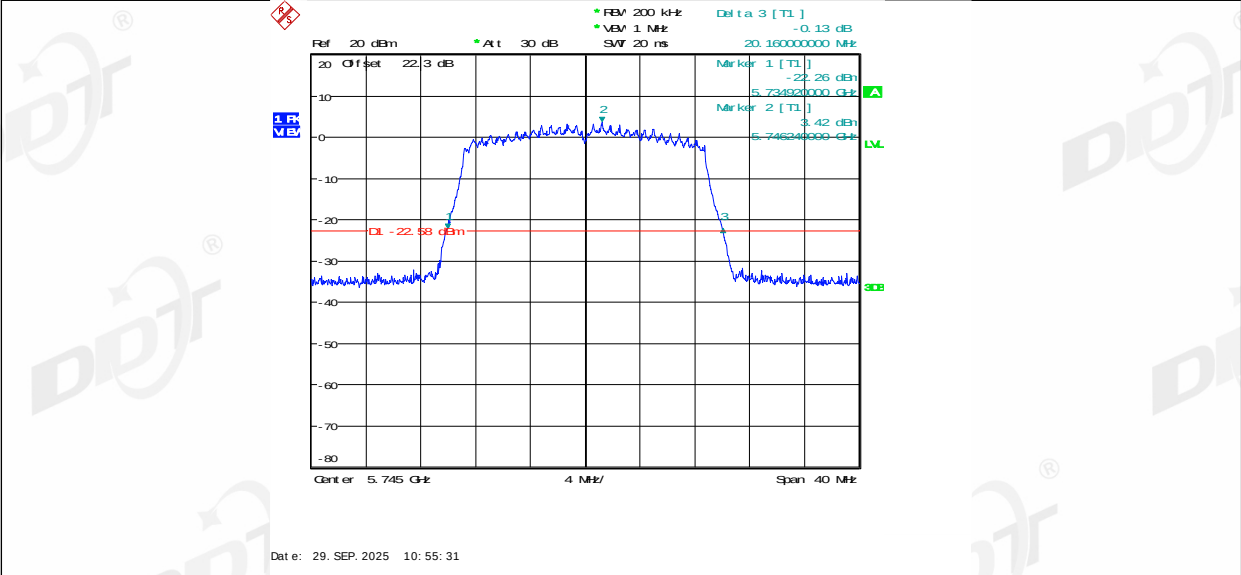




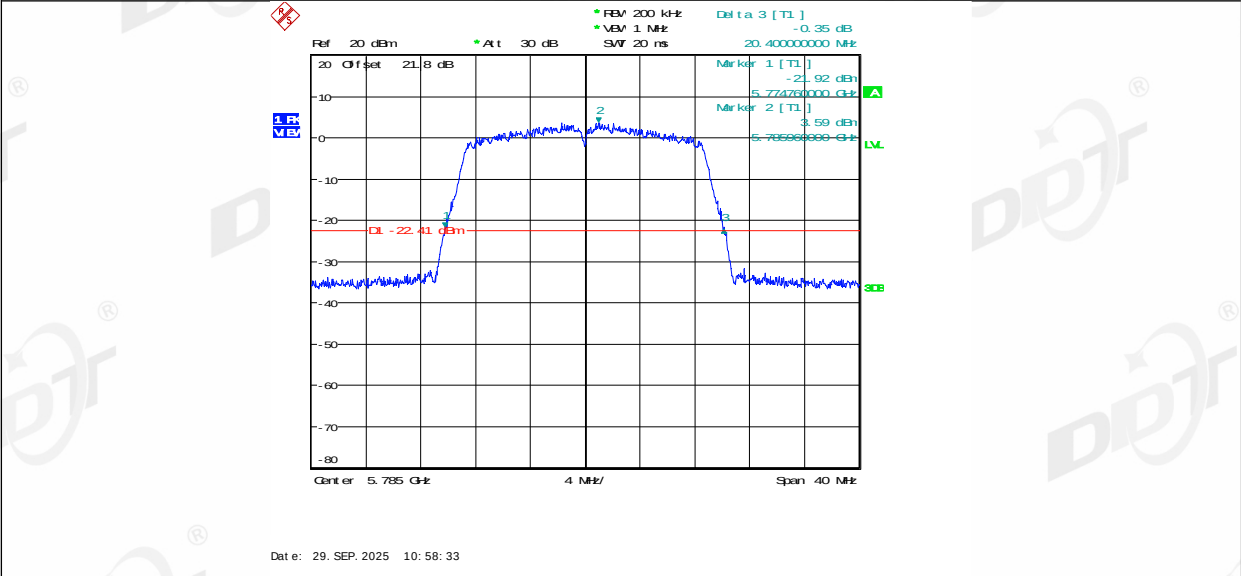




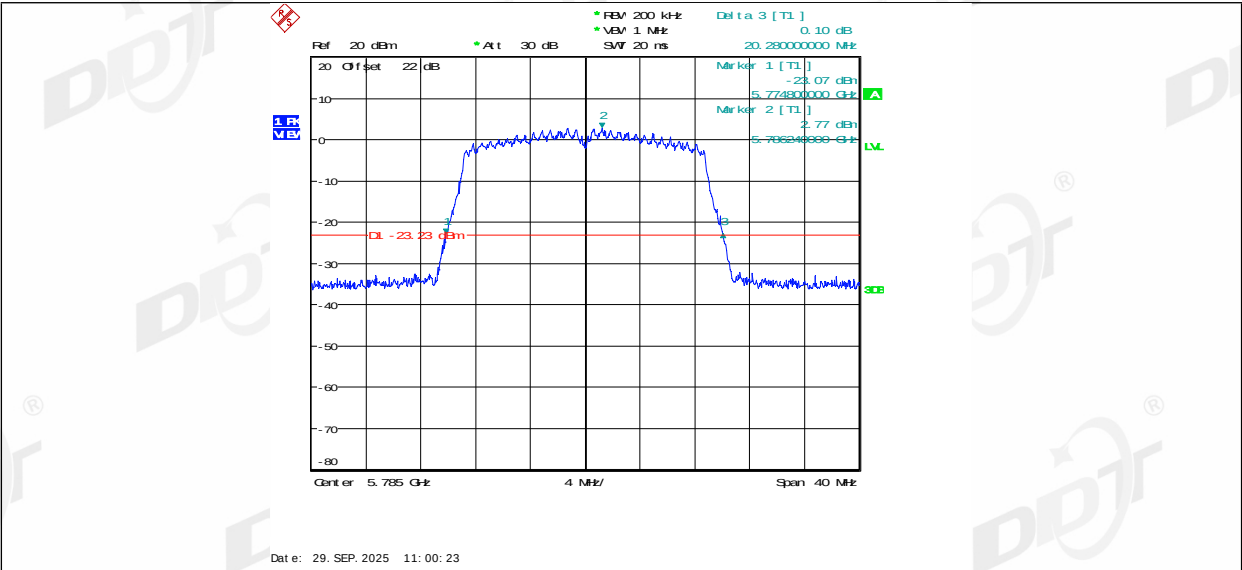
11N20MIMO_Ant2_5745



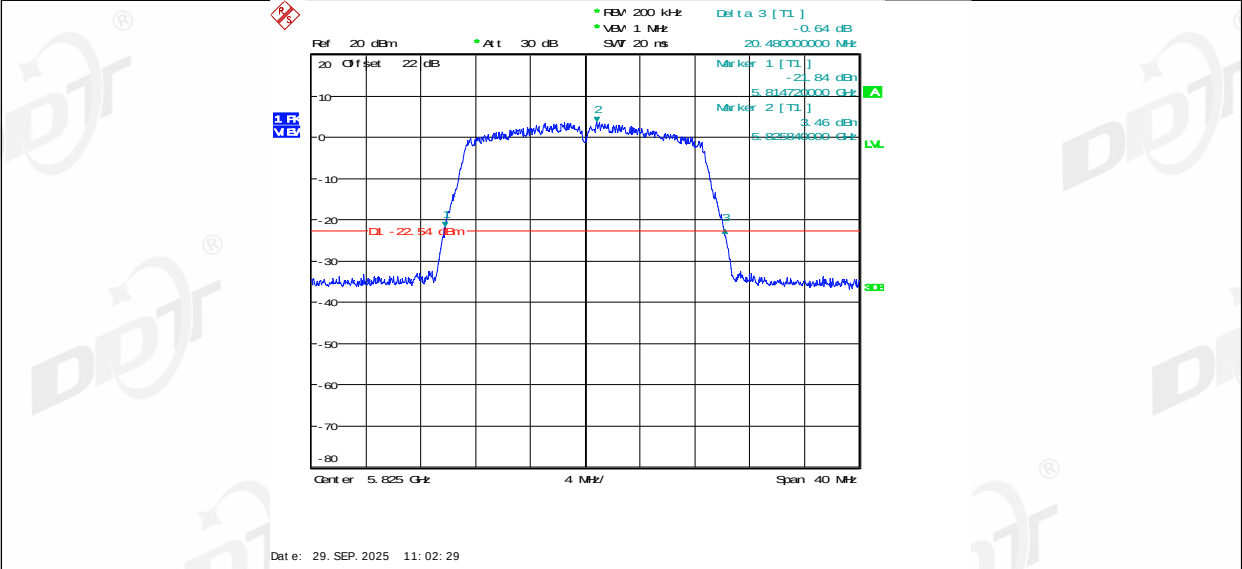
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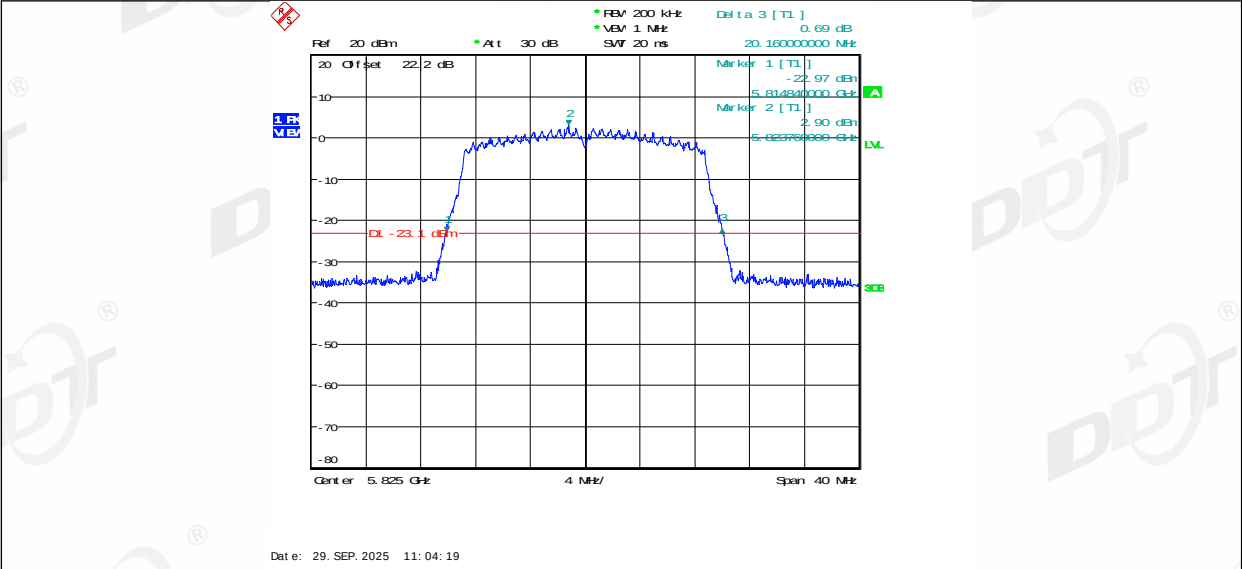
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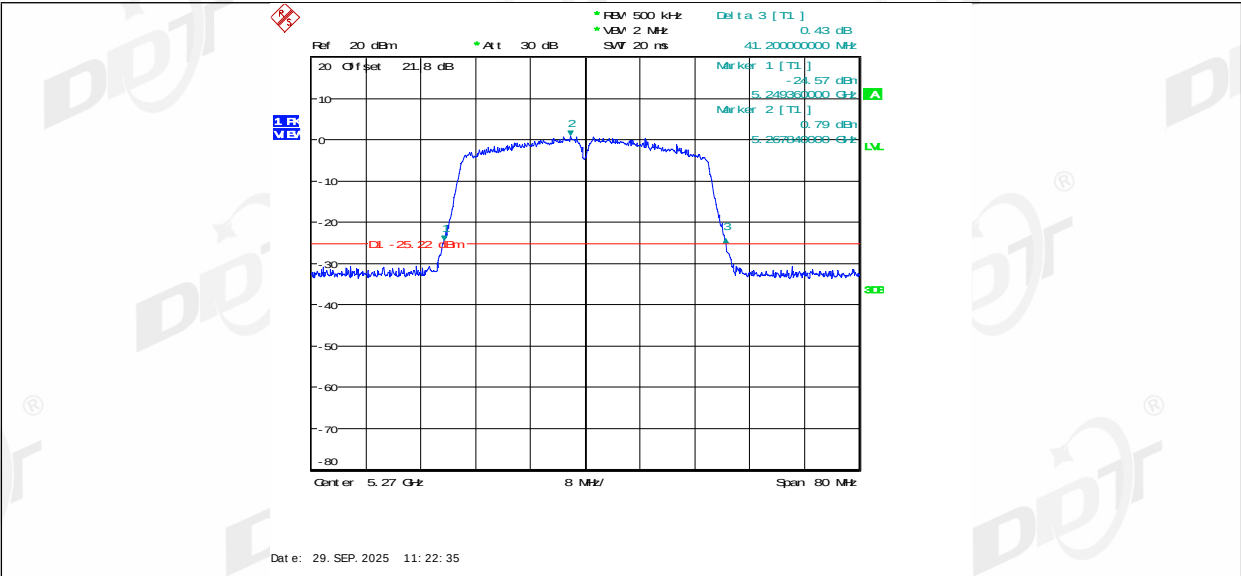
11N20MIMO_Ant1_5825



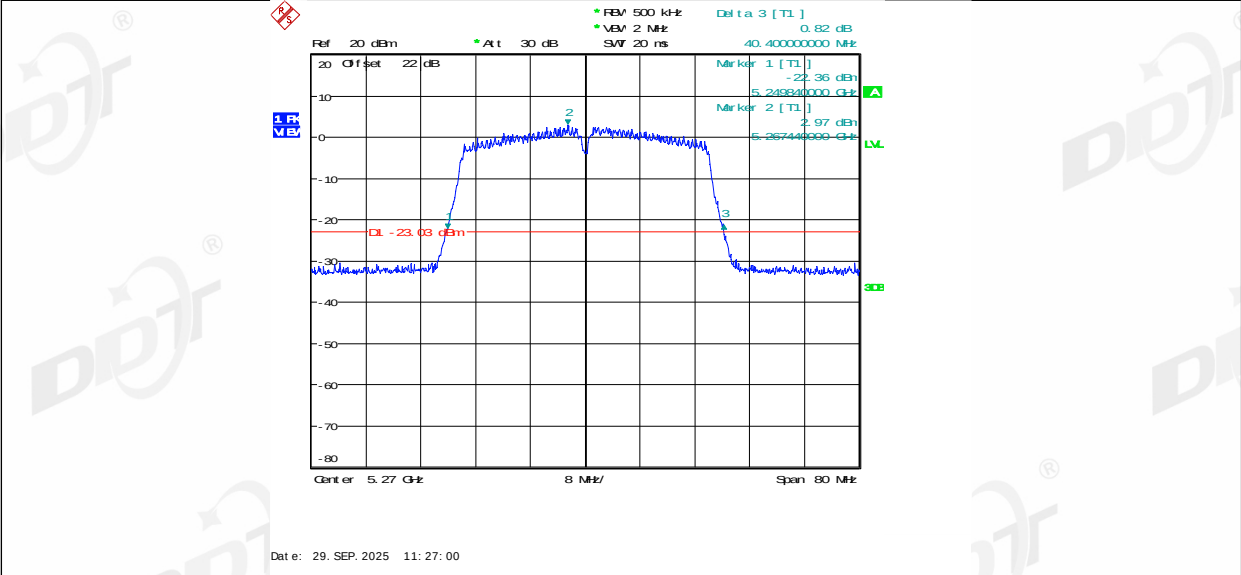
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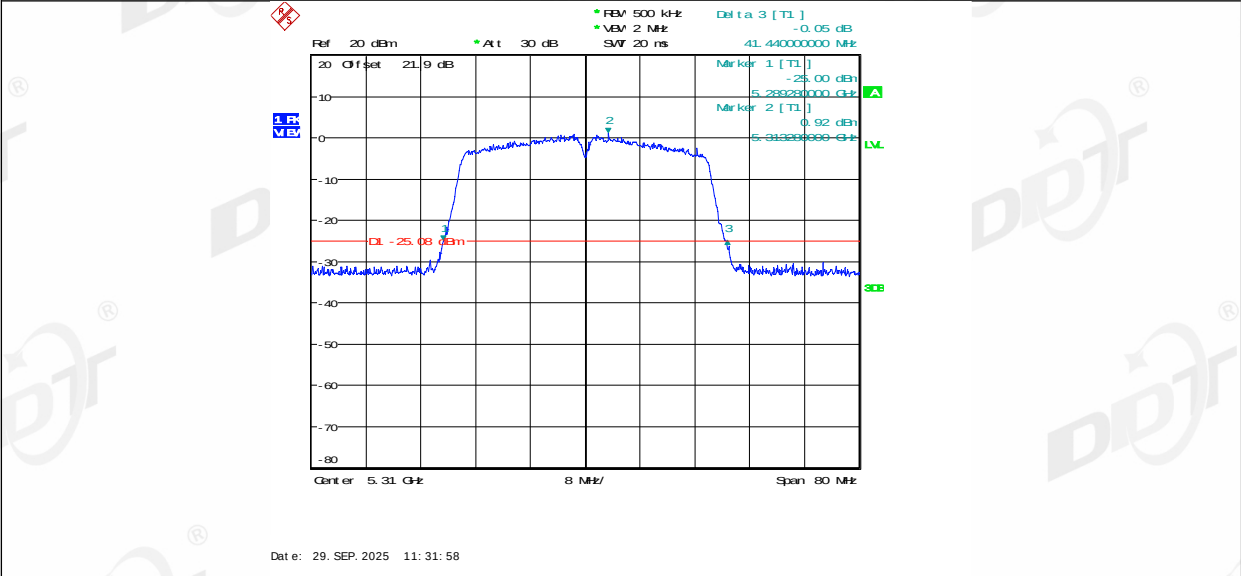
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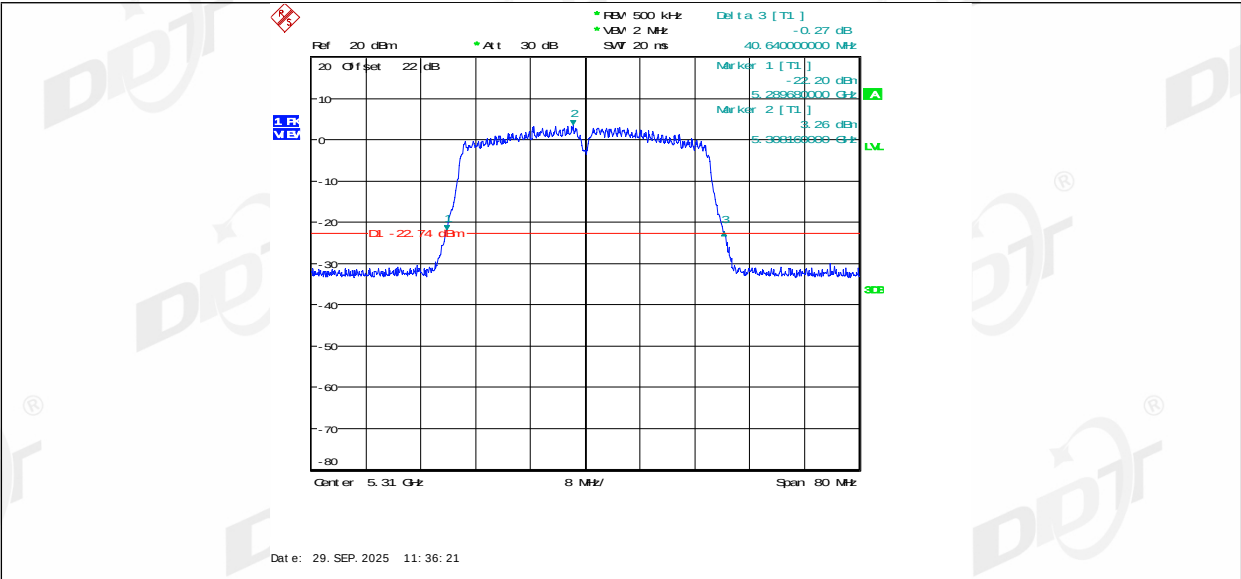
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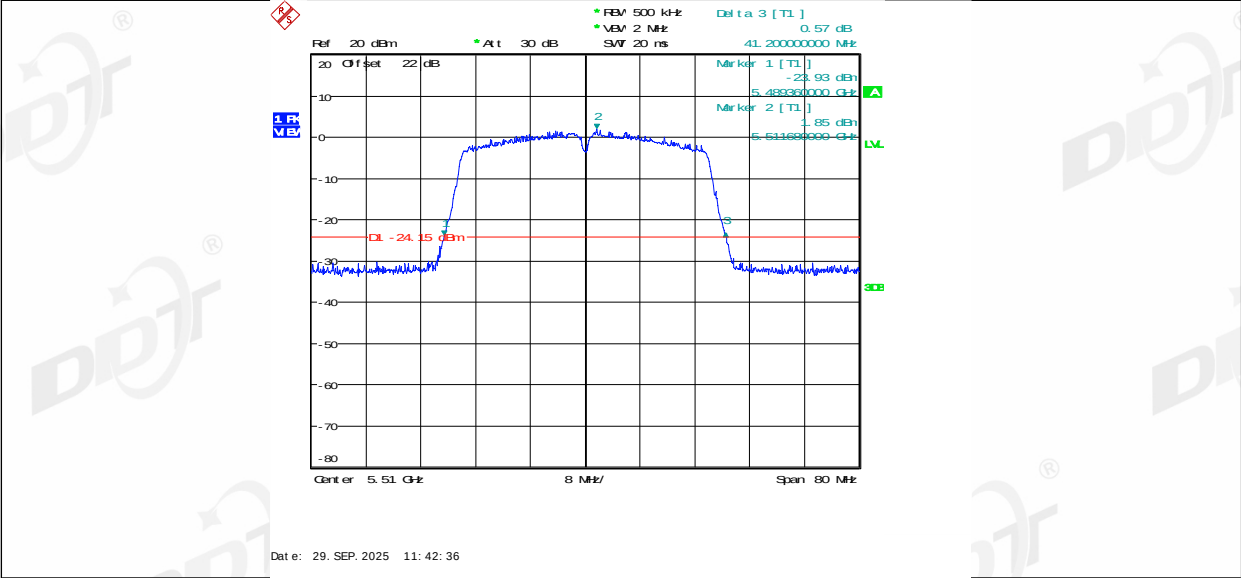
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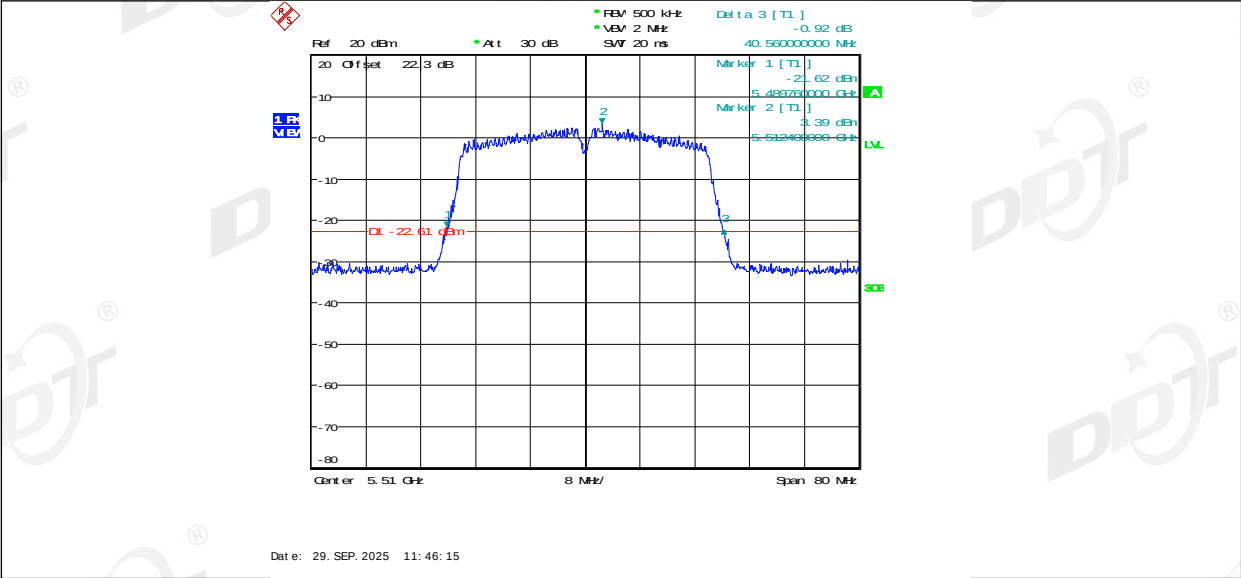
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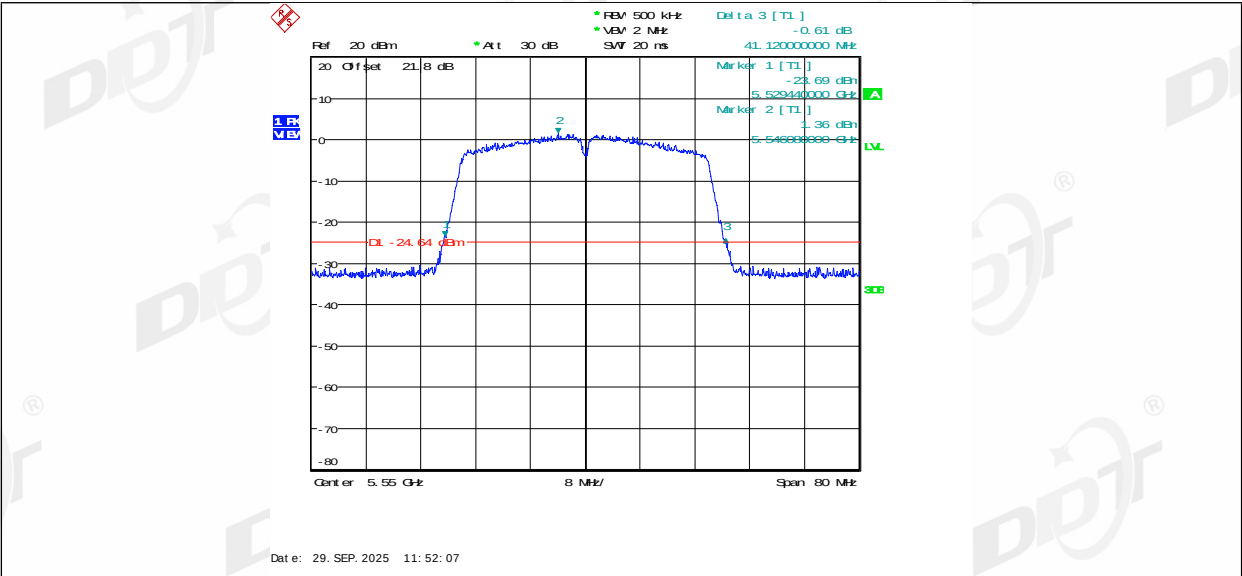
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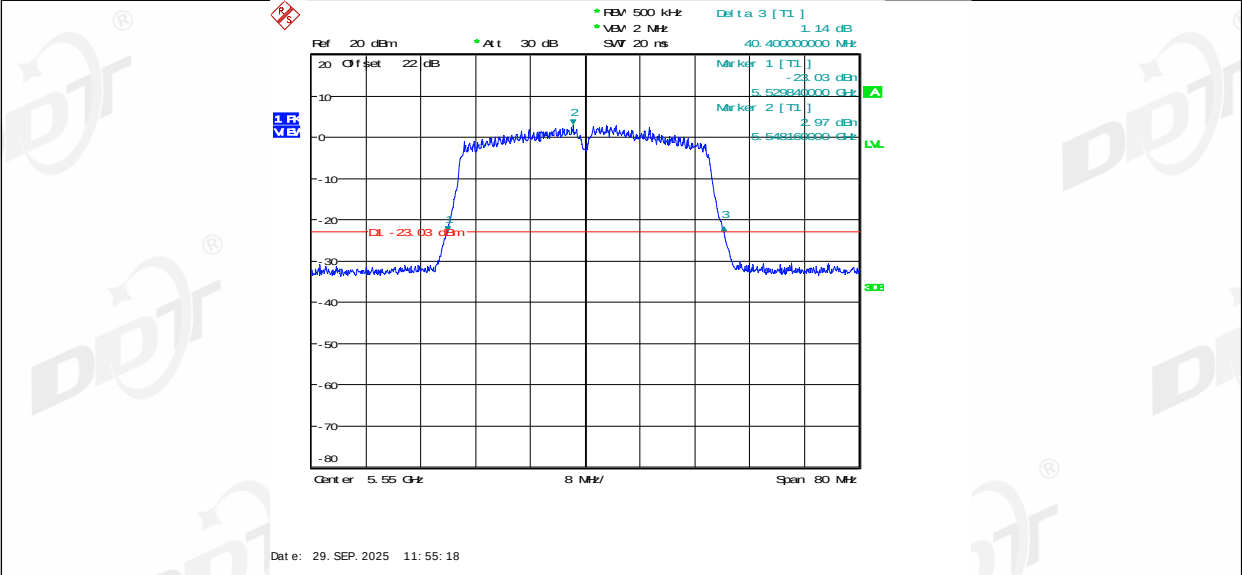
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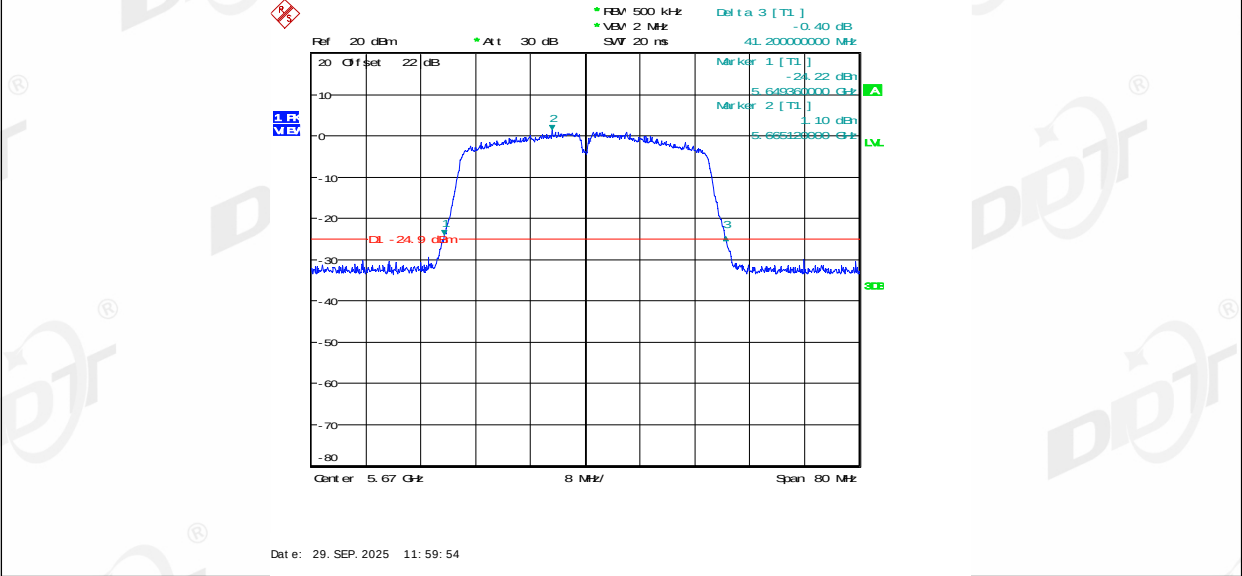
11N40MIMO_Ant1_5550



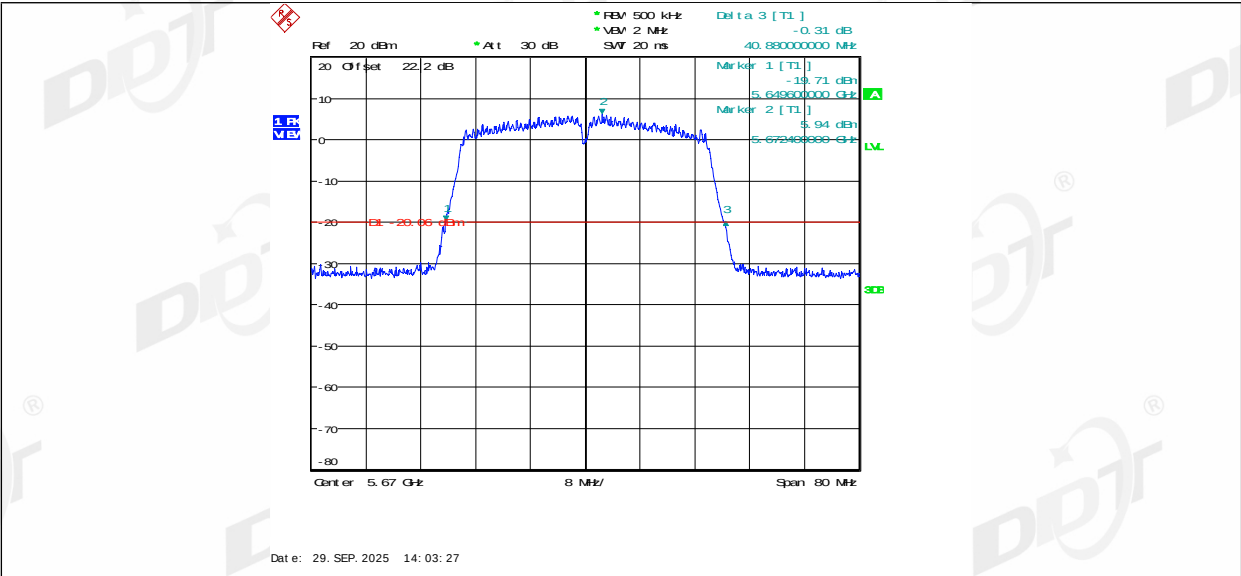
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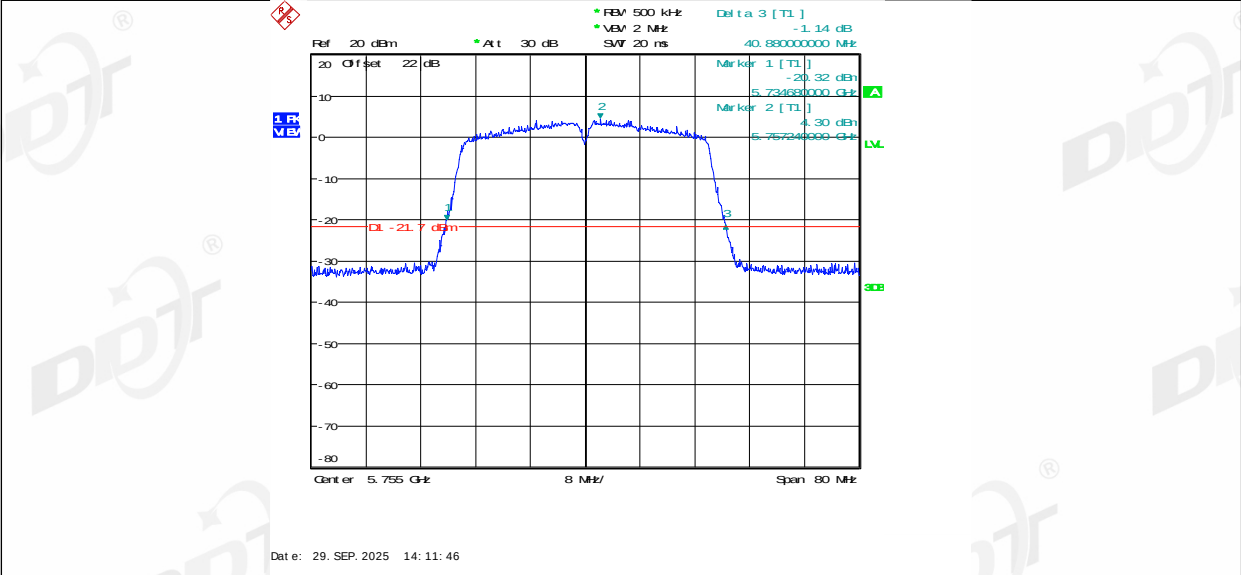
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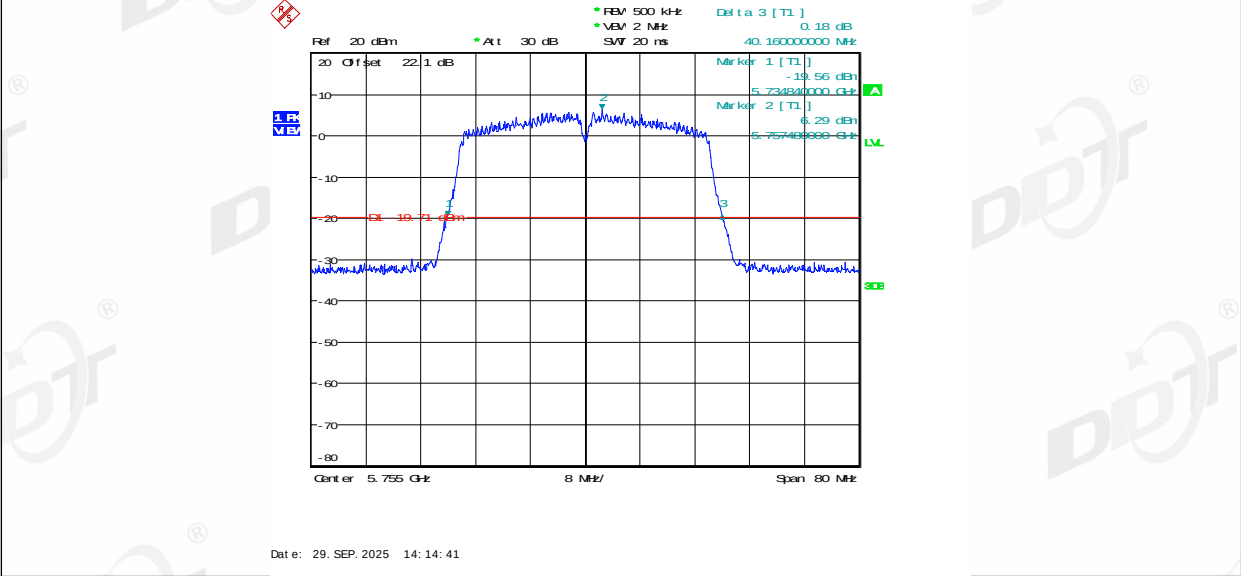
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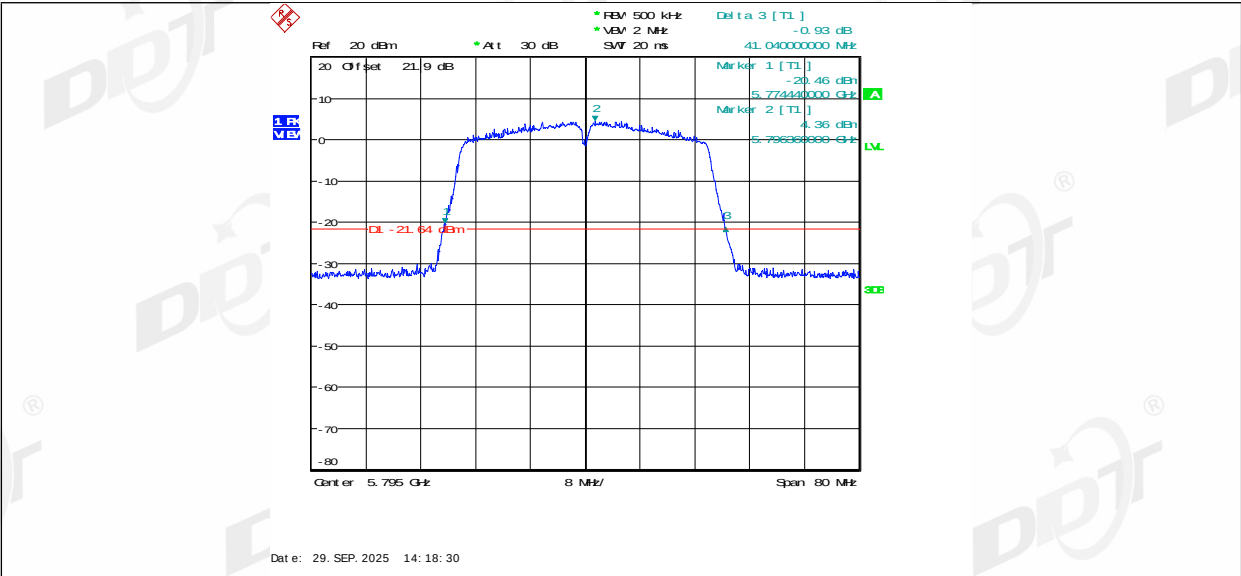
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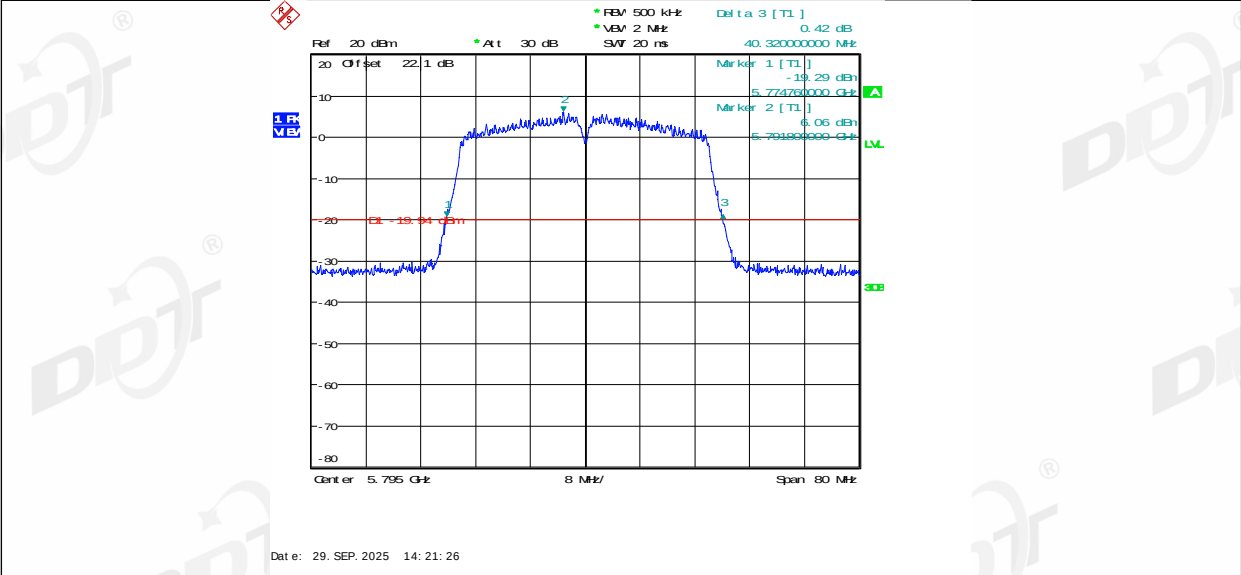
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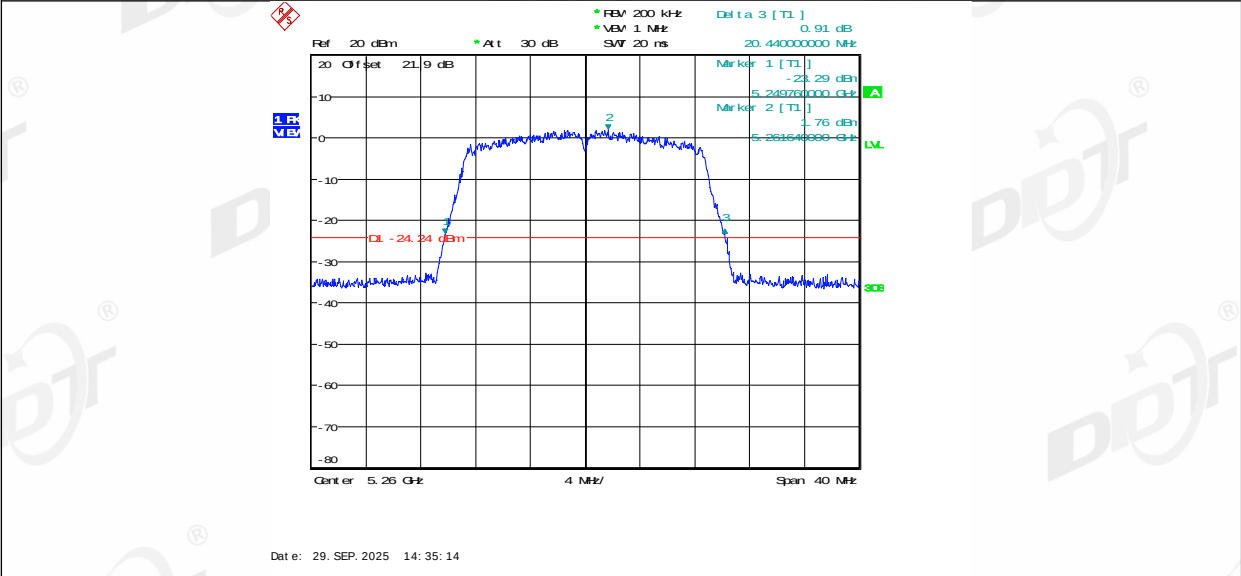
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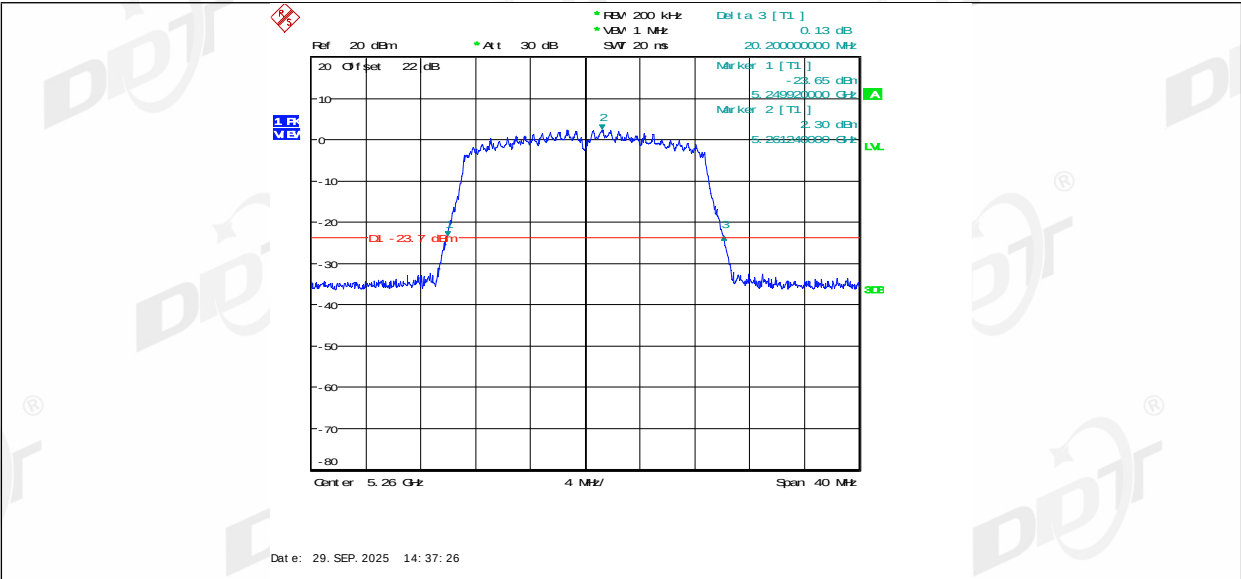
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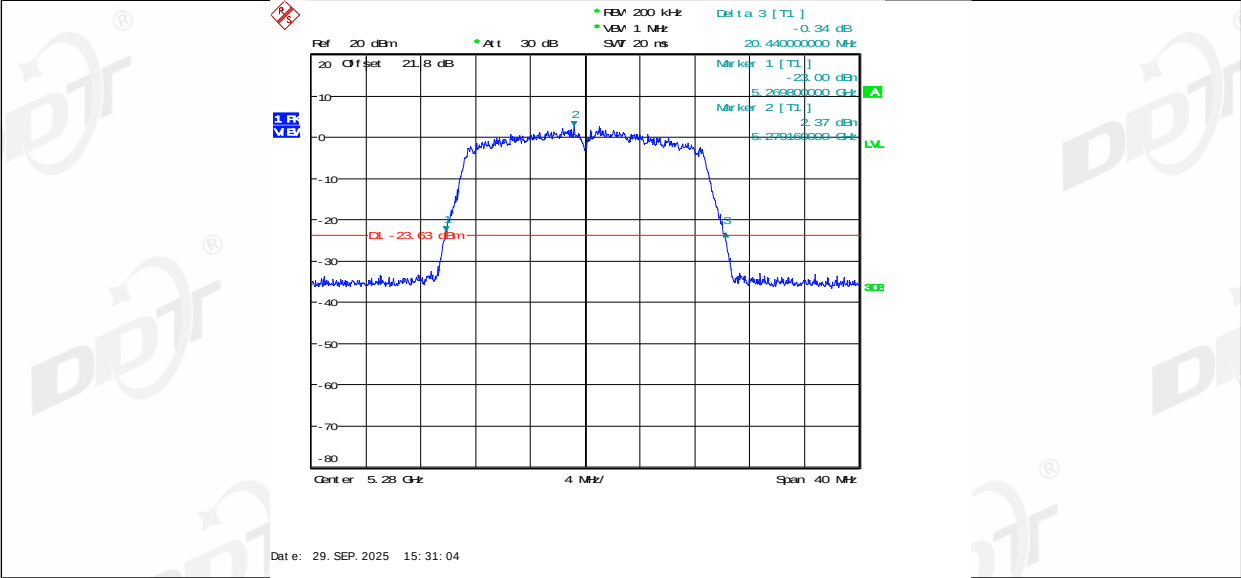
11AC20MIMO_Ant1_5260



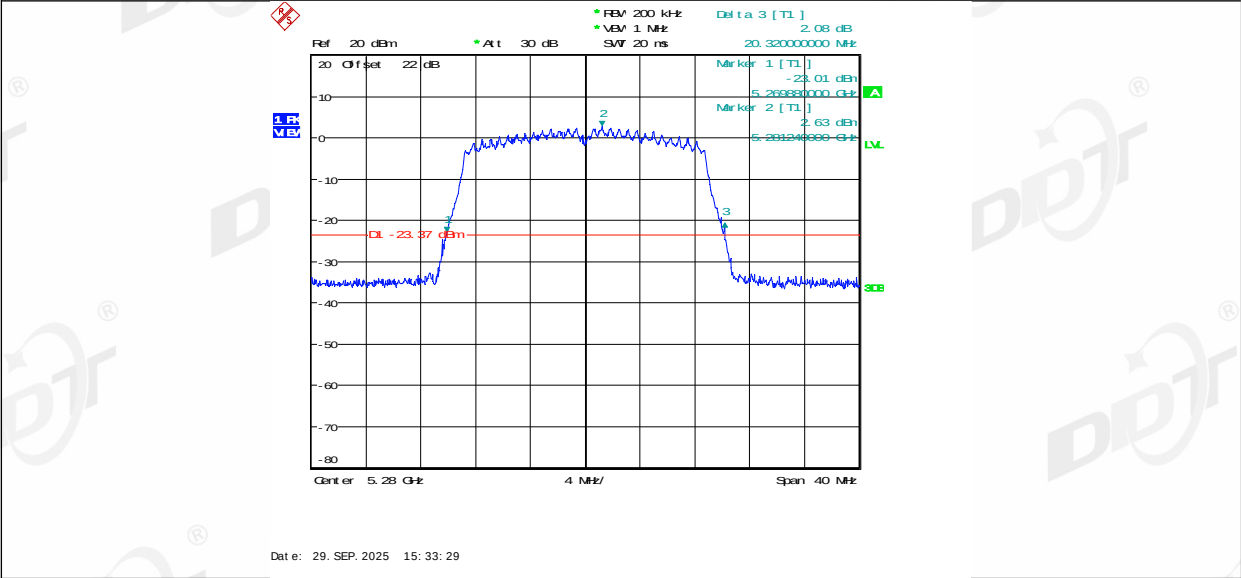
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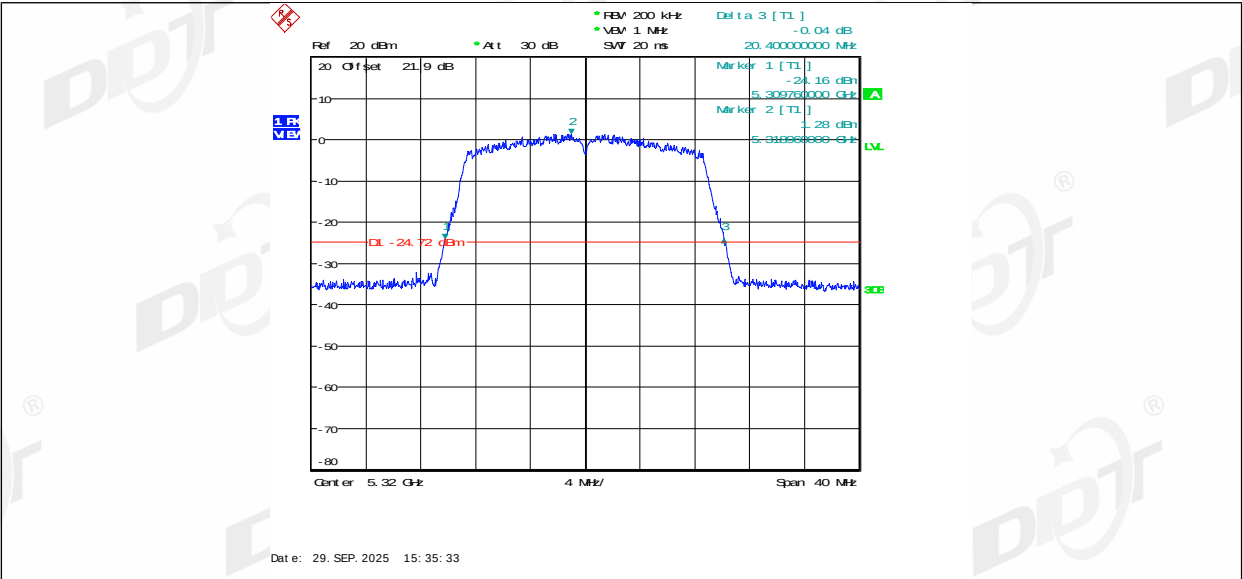
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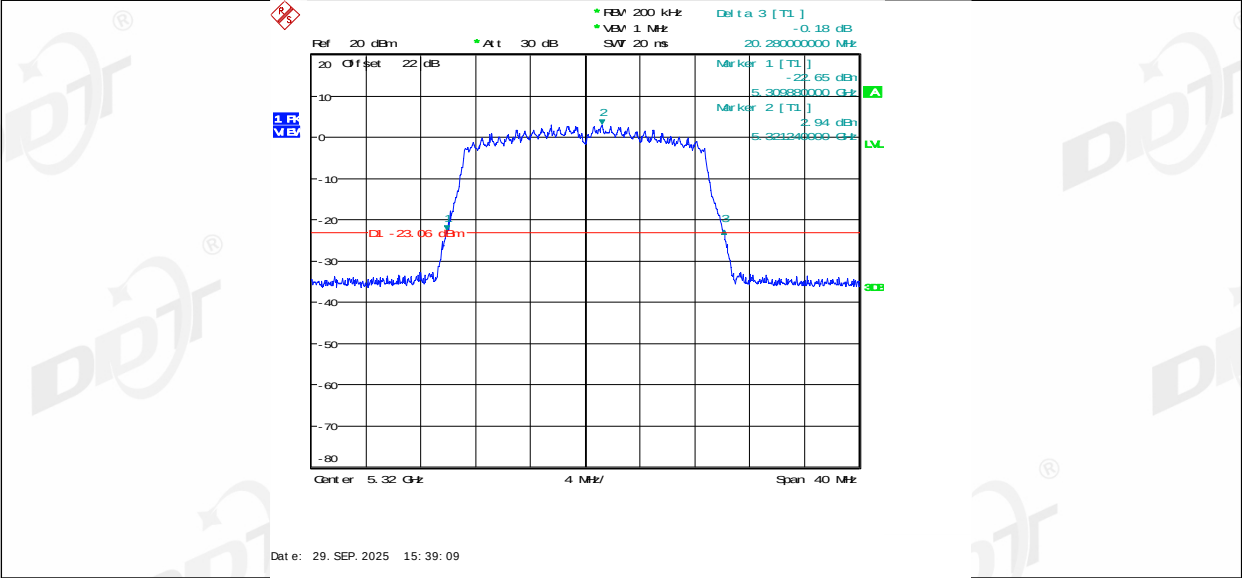
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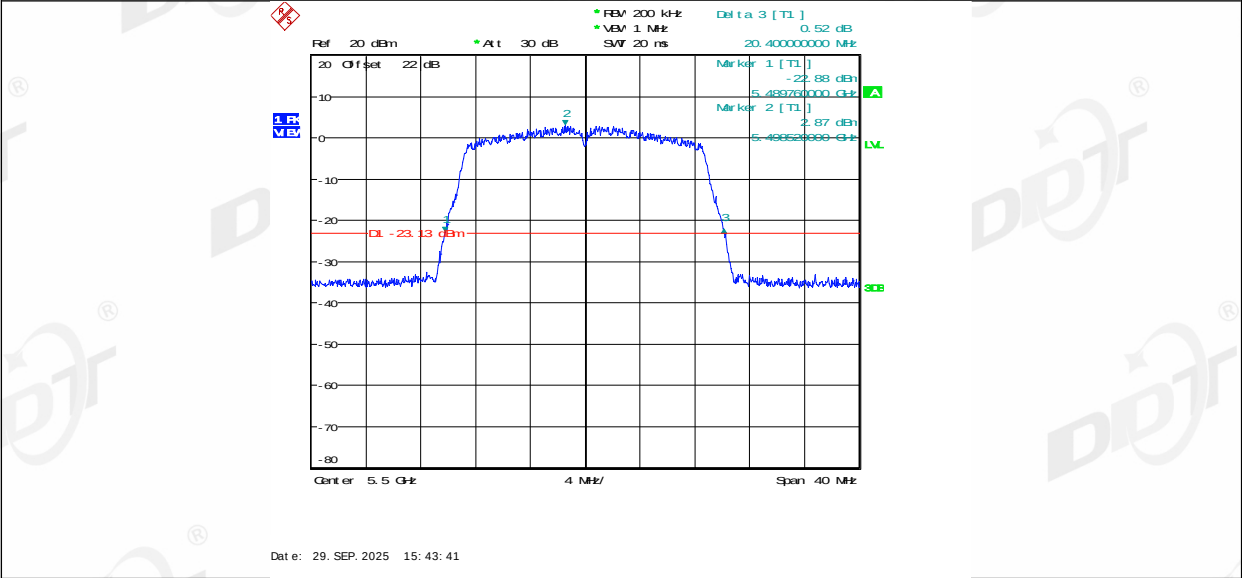
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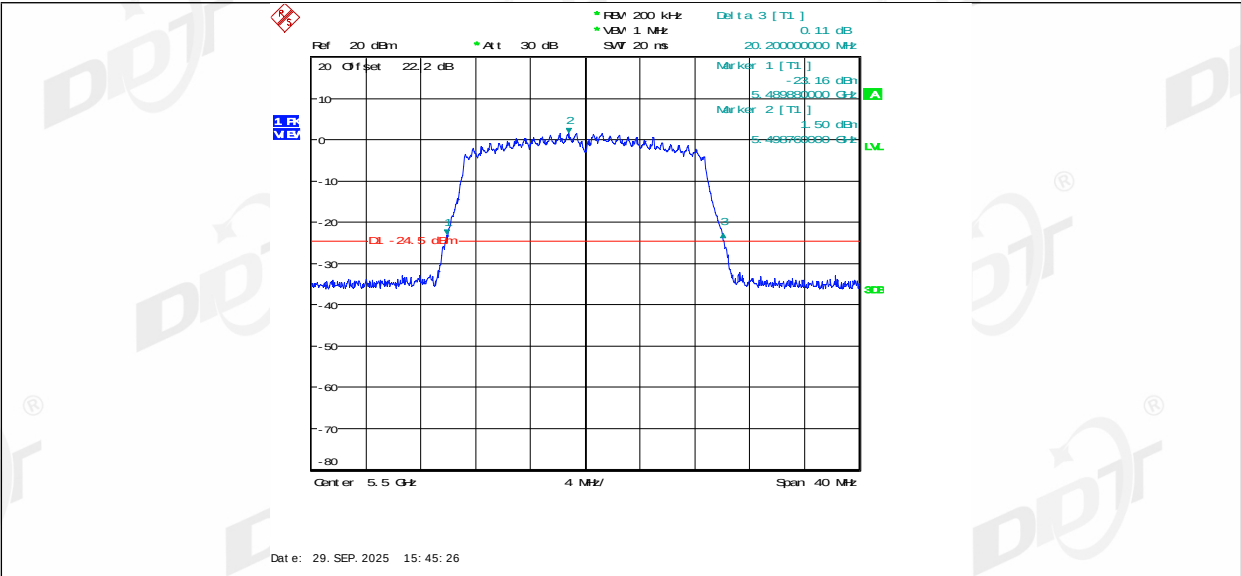
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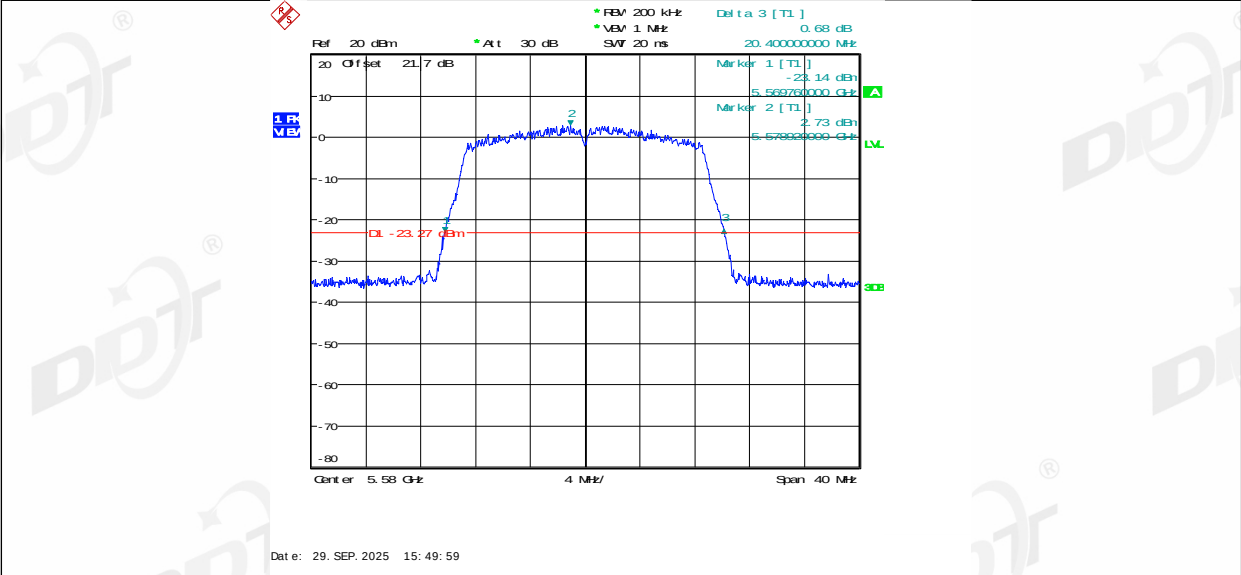
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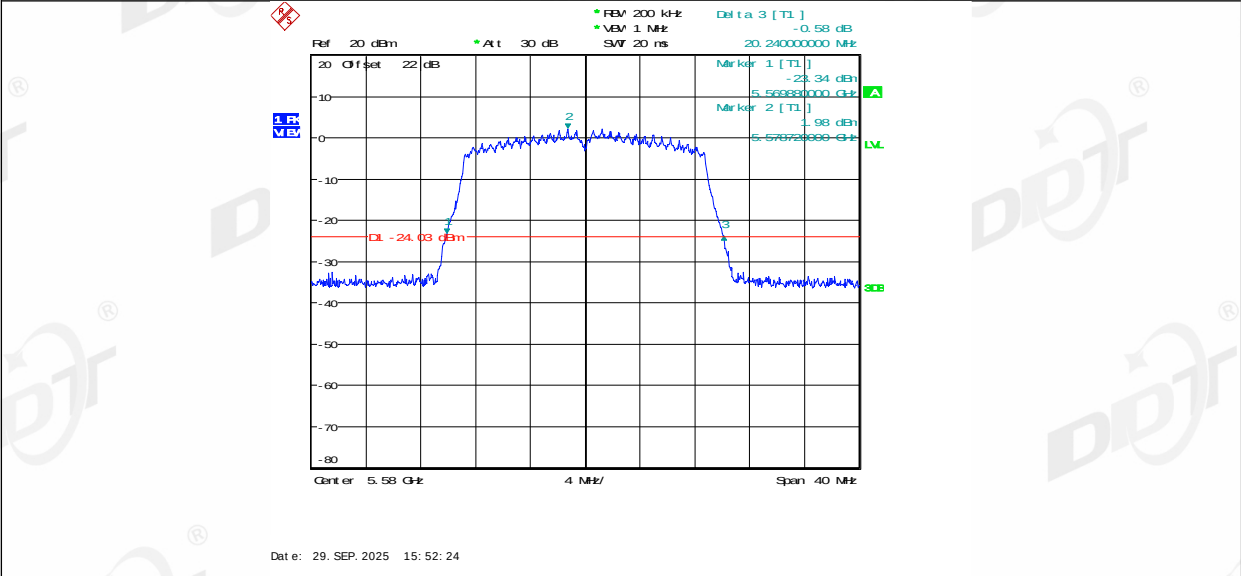
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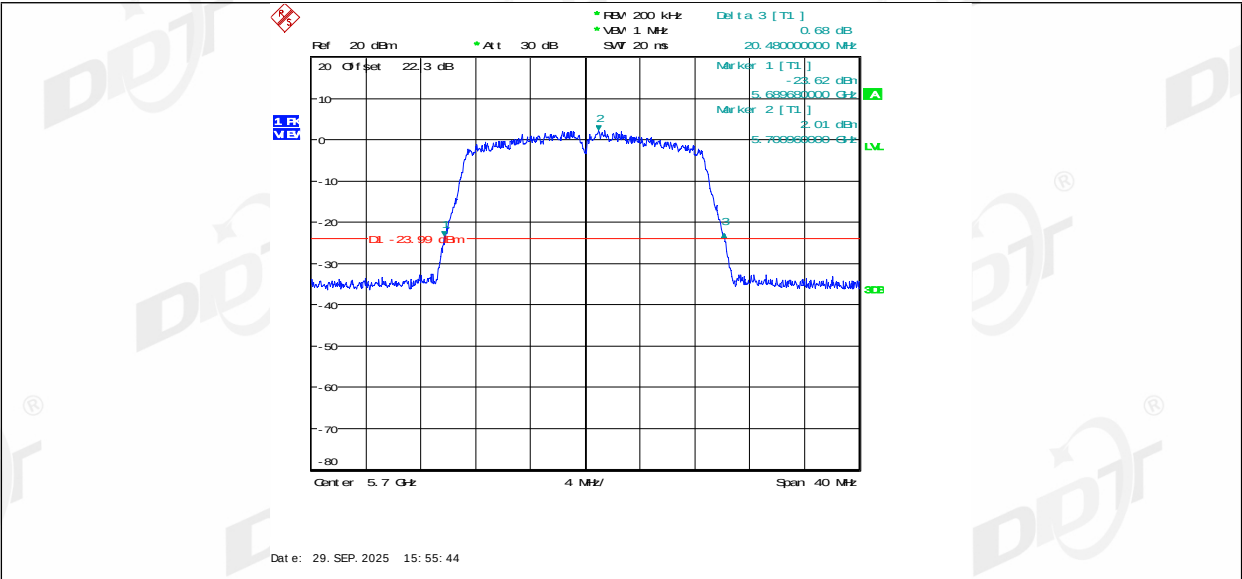
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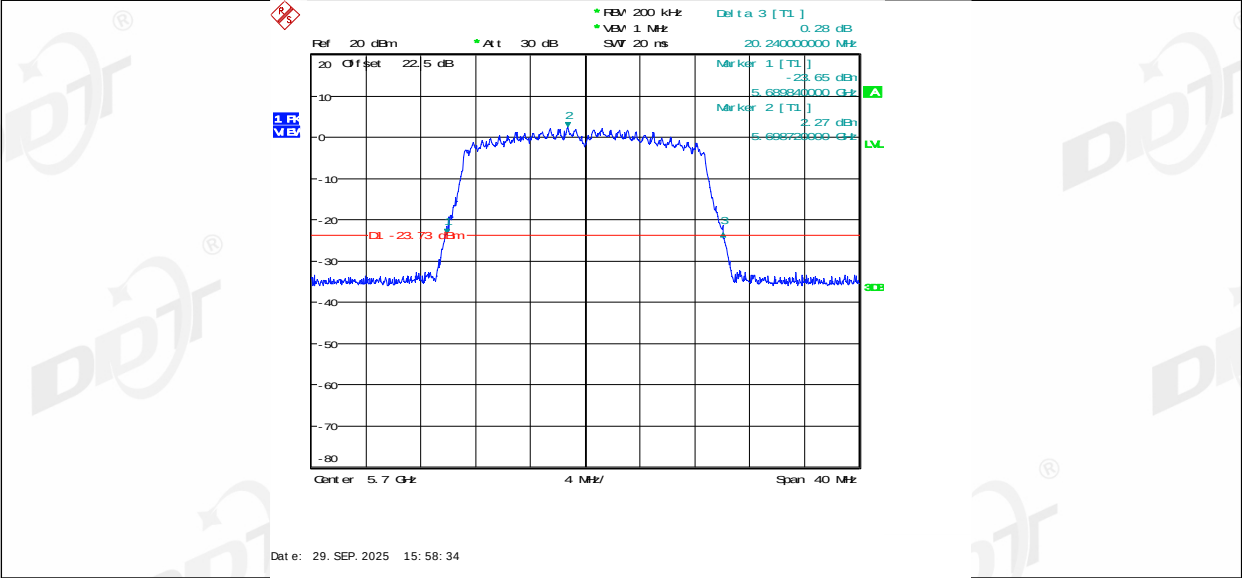
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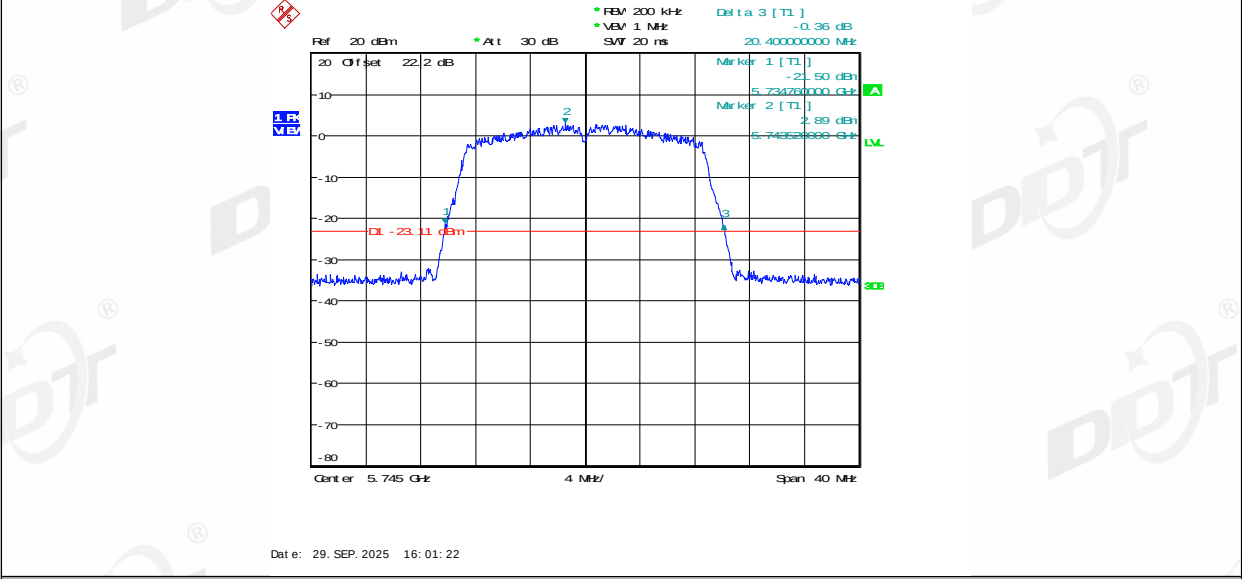
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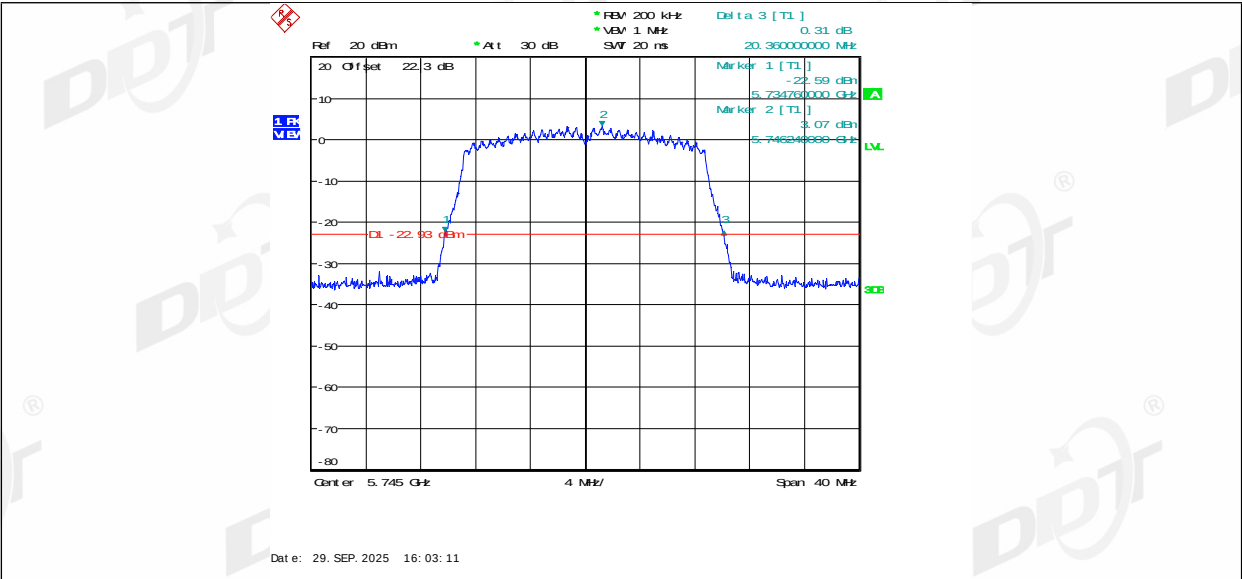
11AC20MIMO_Ant2_5700



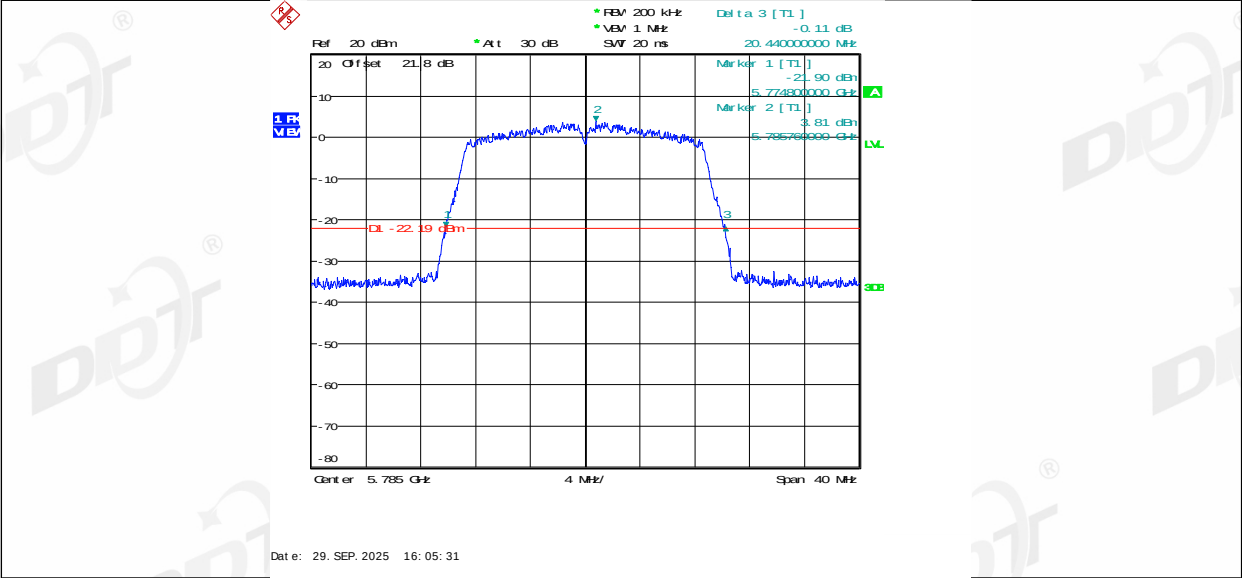
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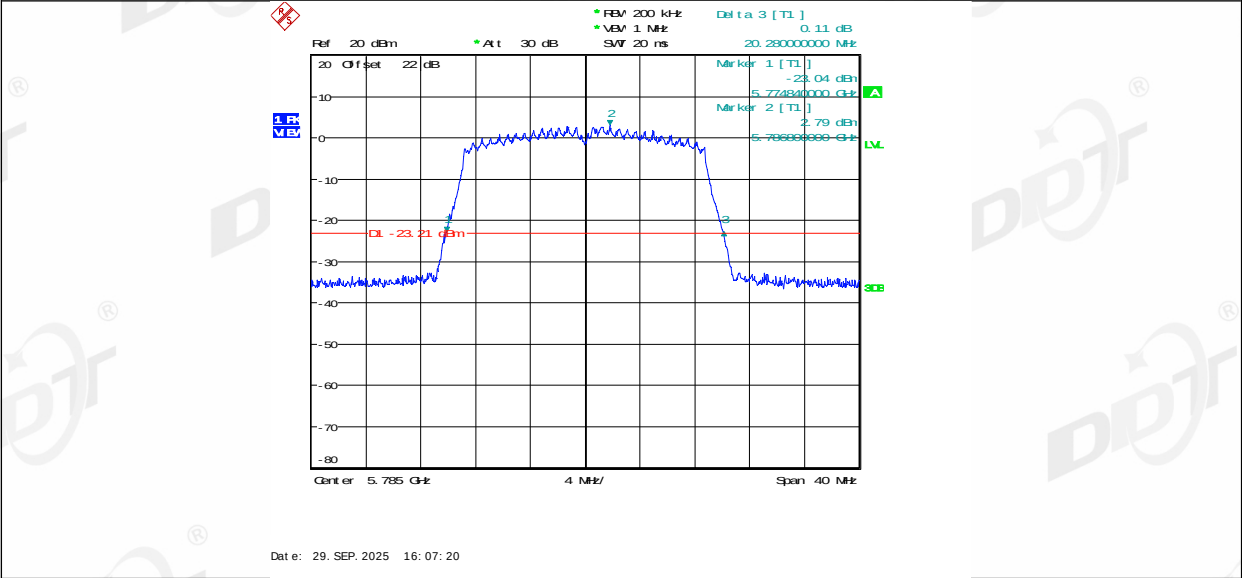
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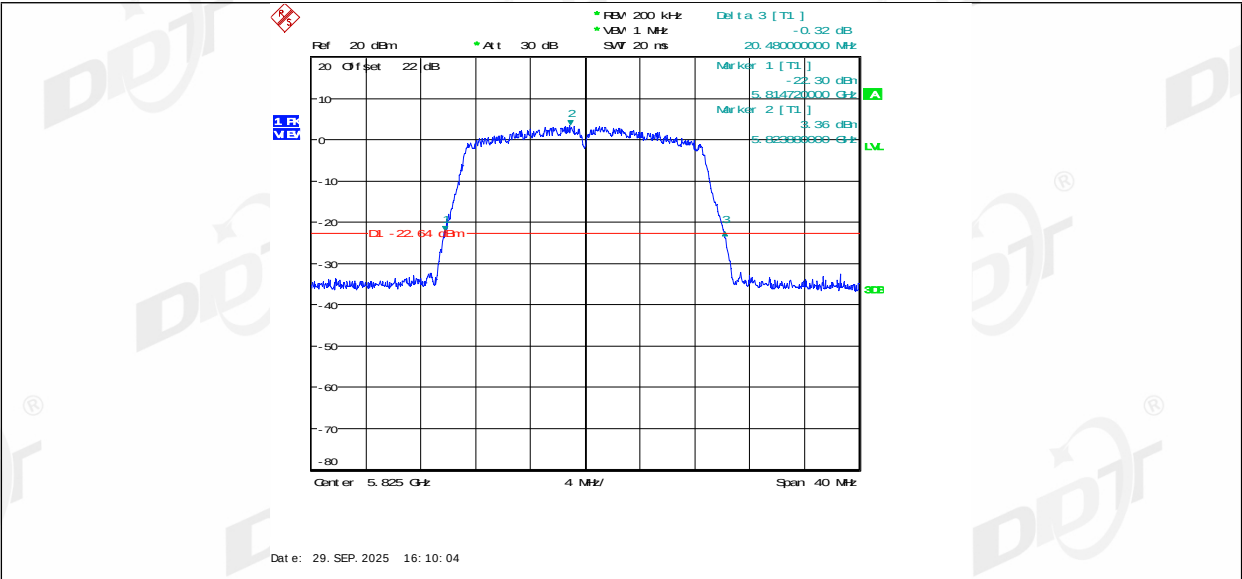
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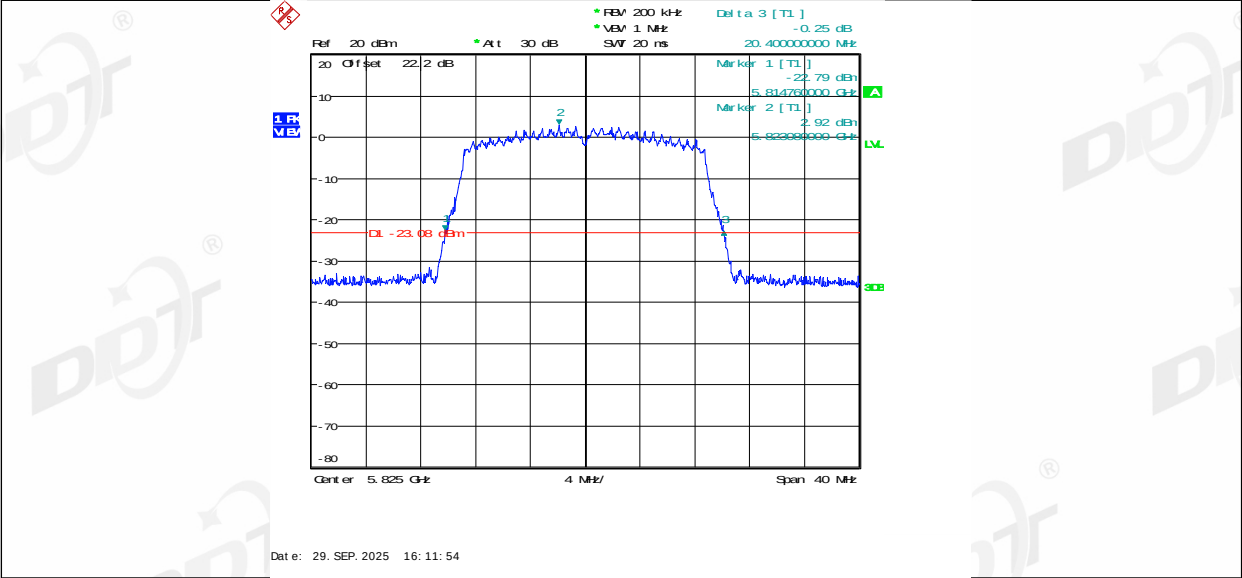
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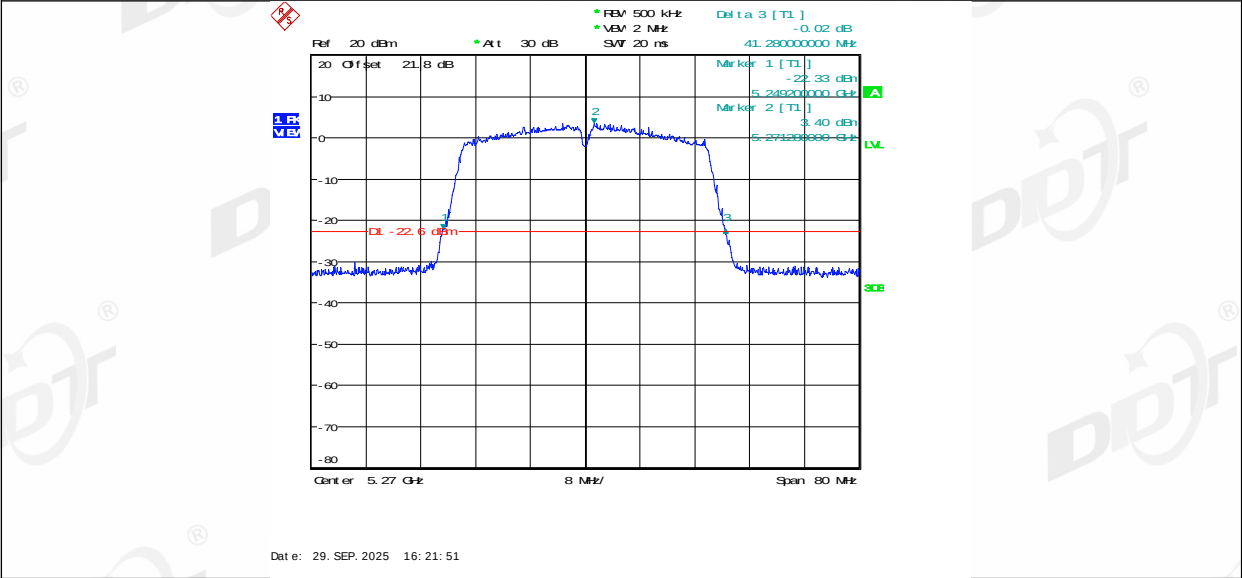
11AC20MIMO_Ant1_5825



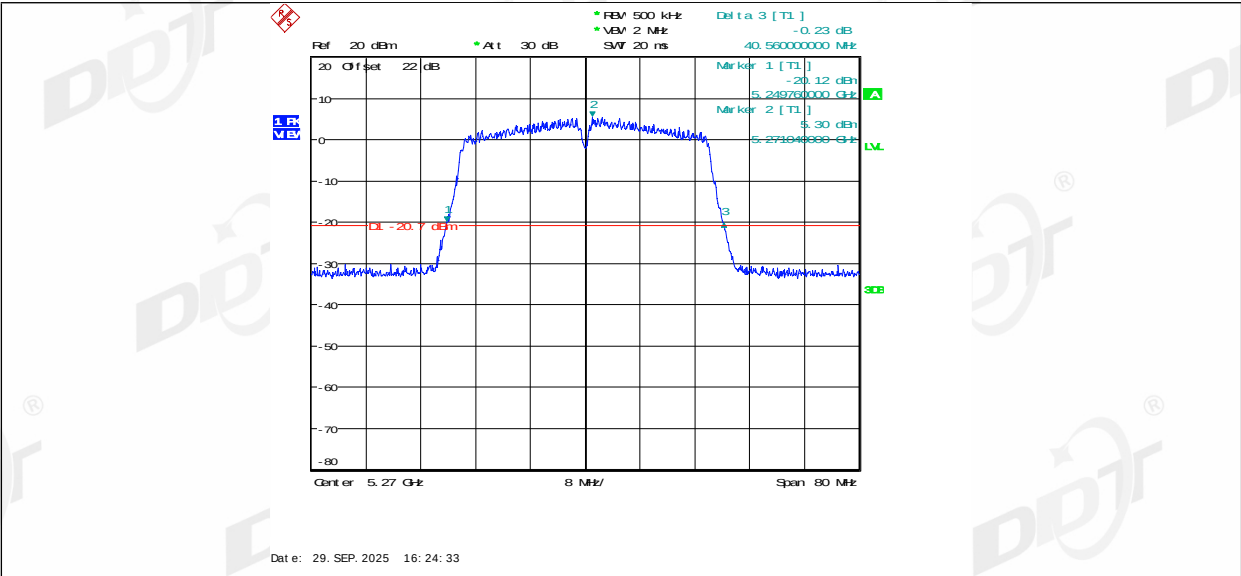
11AC20MIMO_Ant2_5825



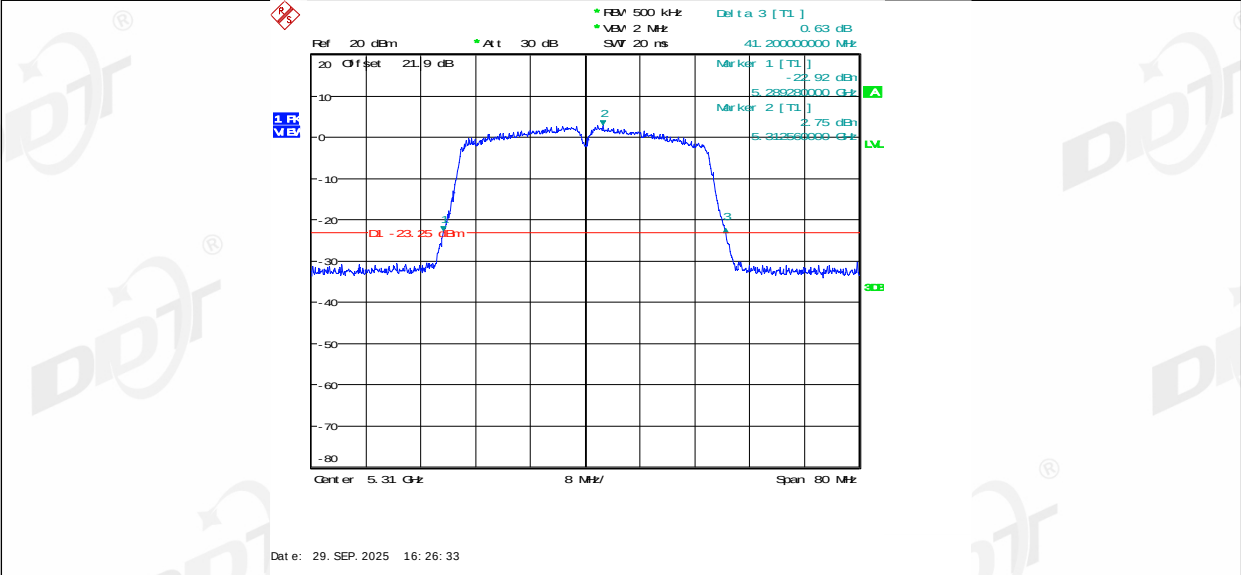
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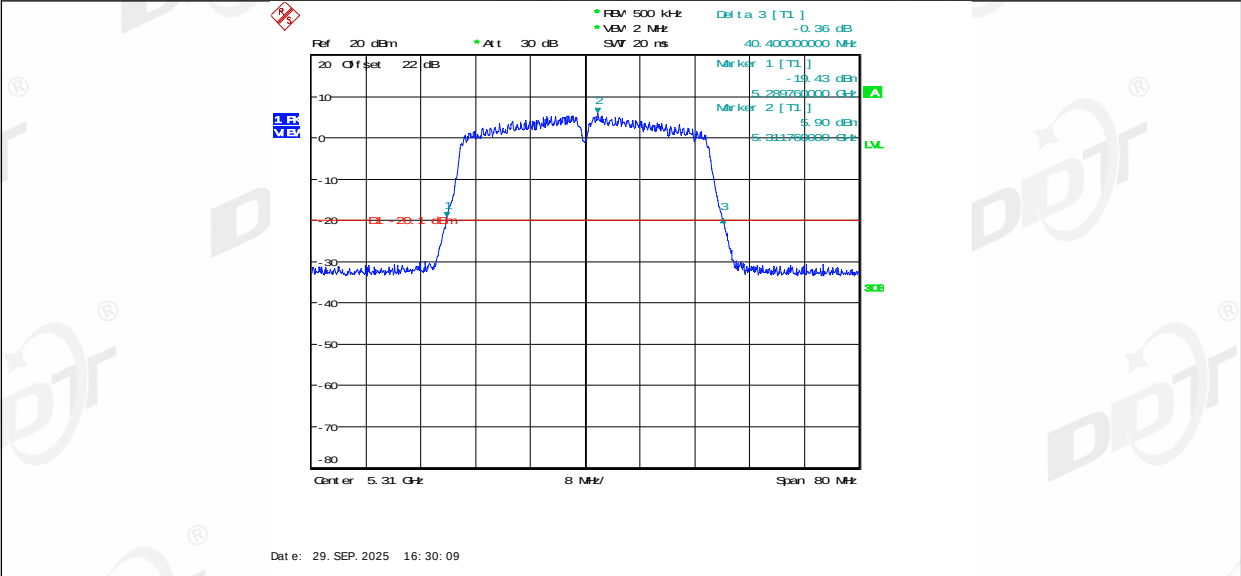
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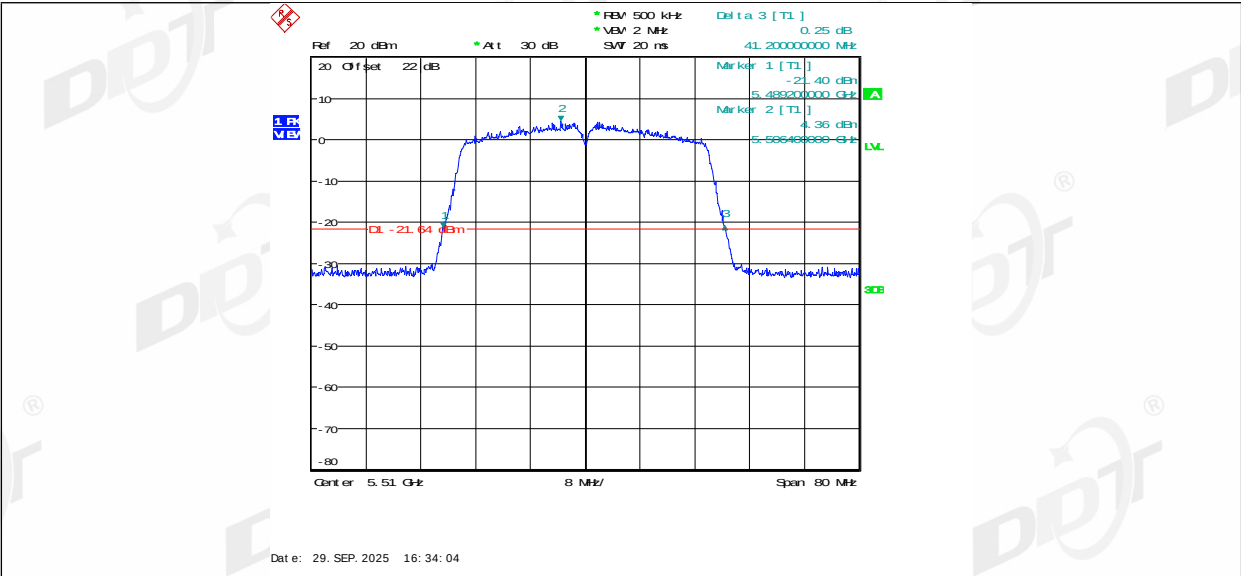
11AC40MIMO Ant1 5310



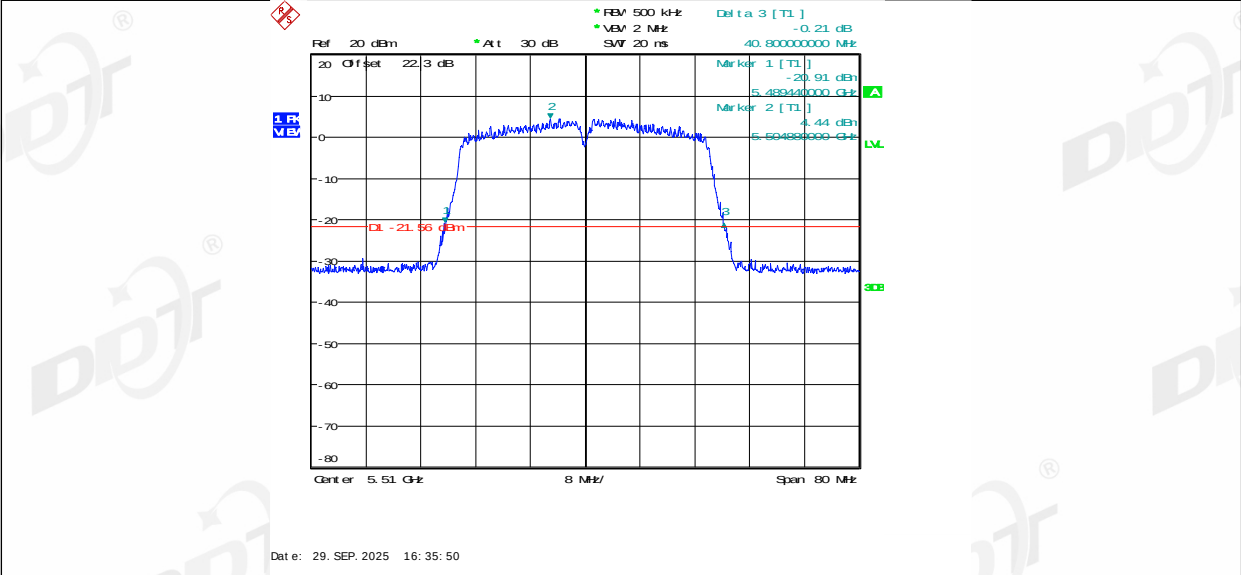
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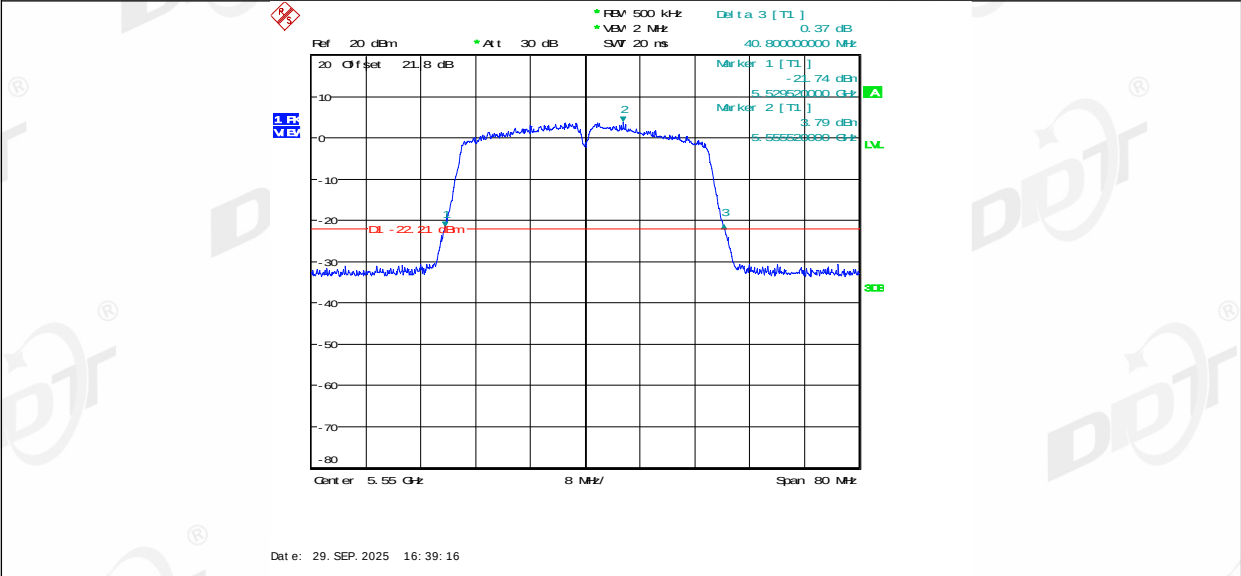
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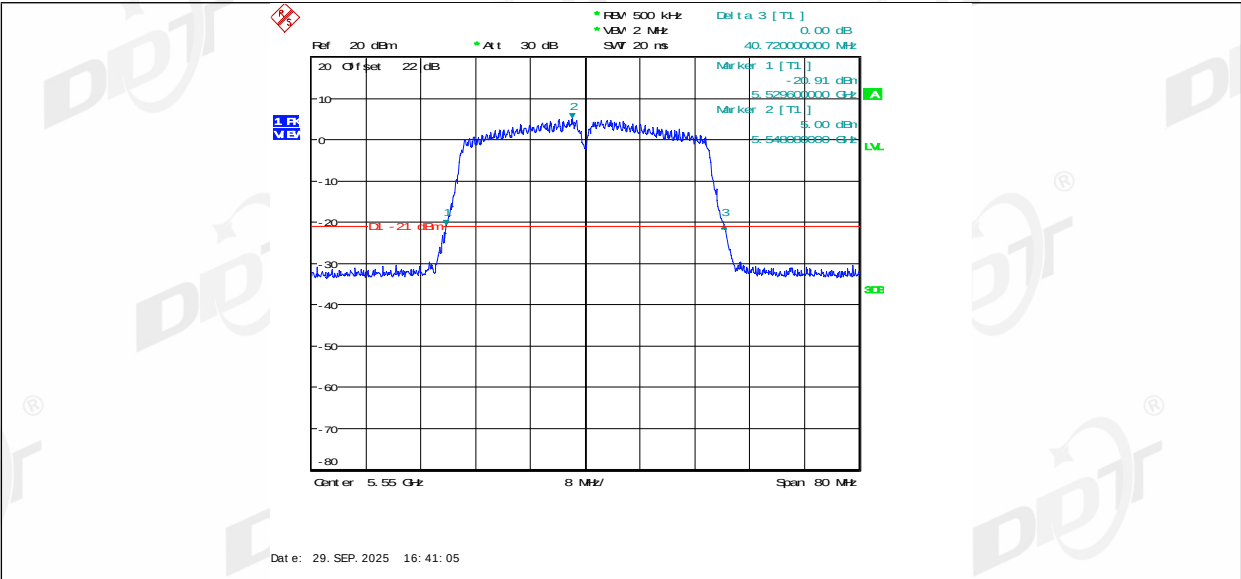
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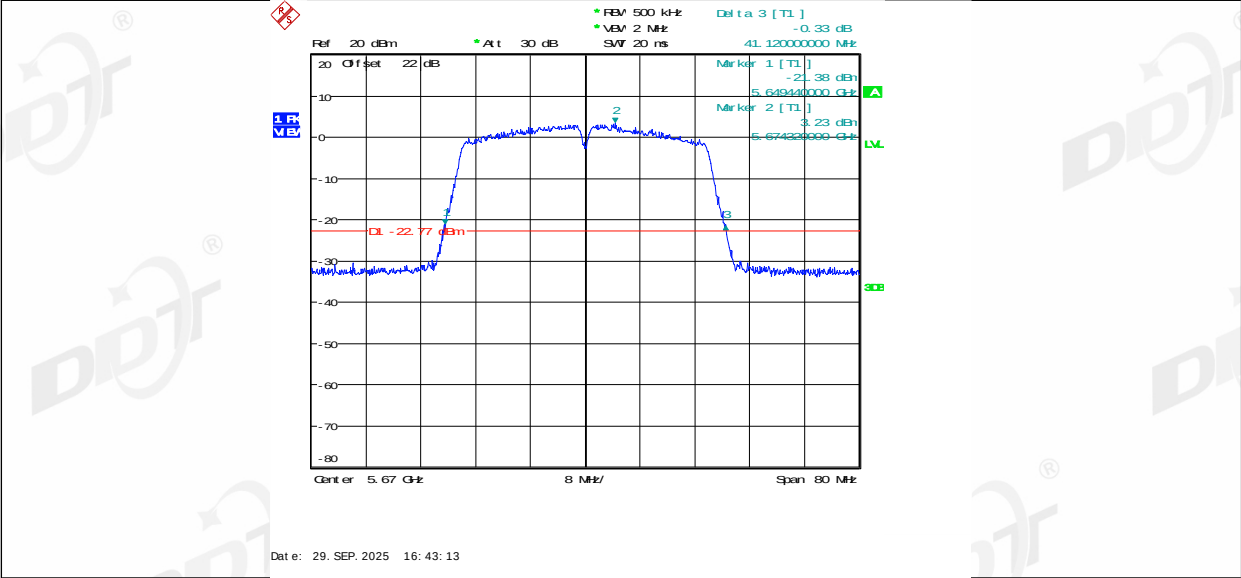
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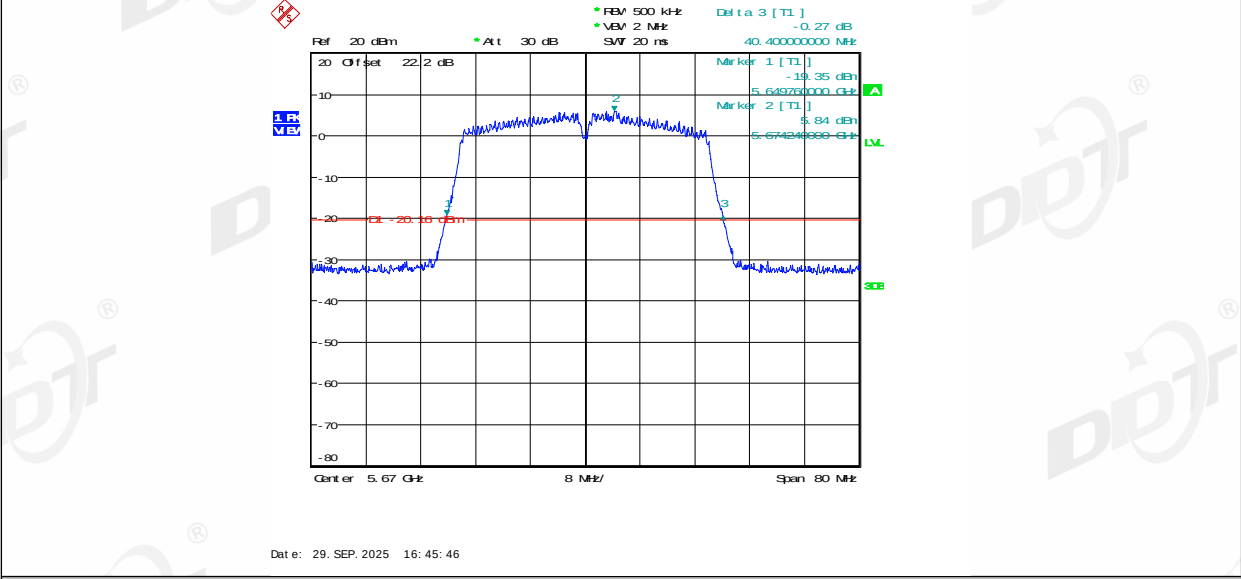
11AC40MIMO Ant2 5550



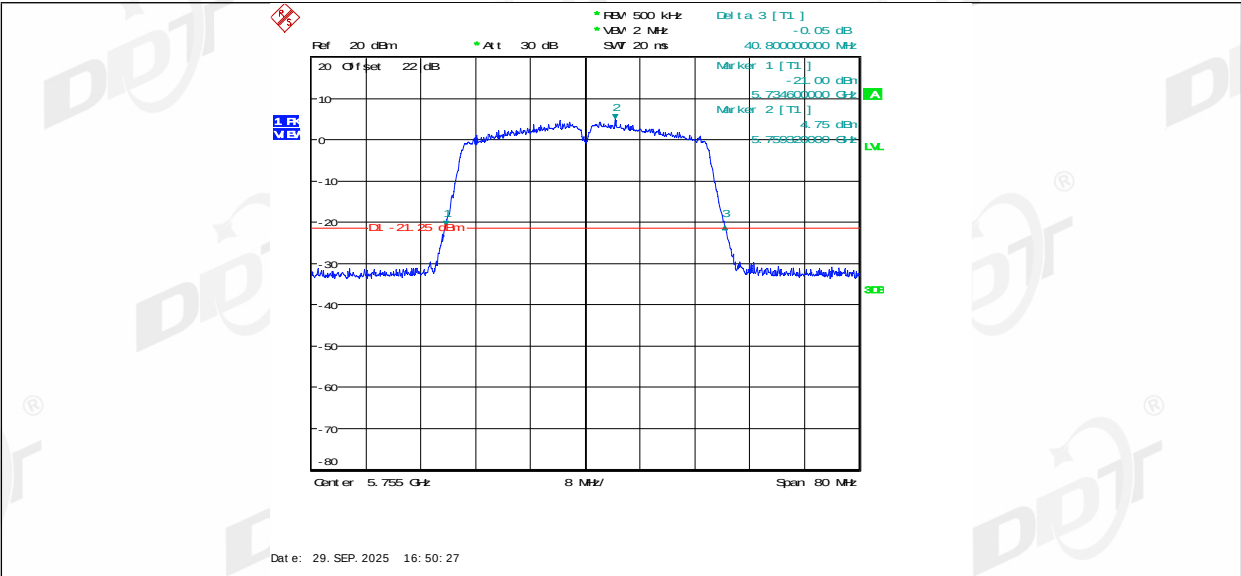
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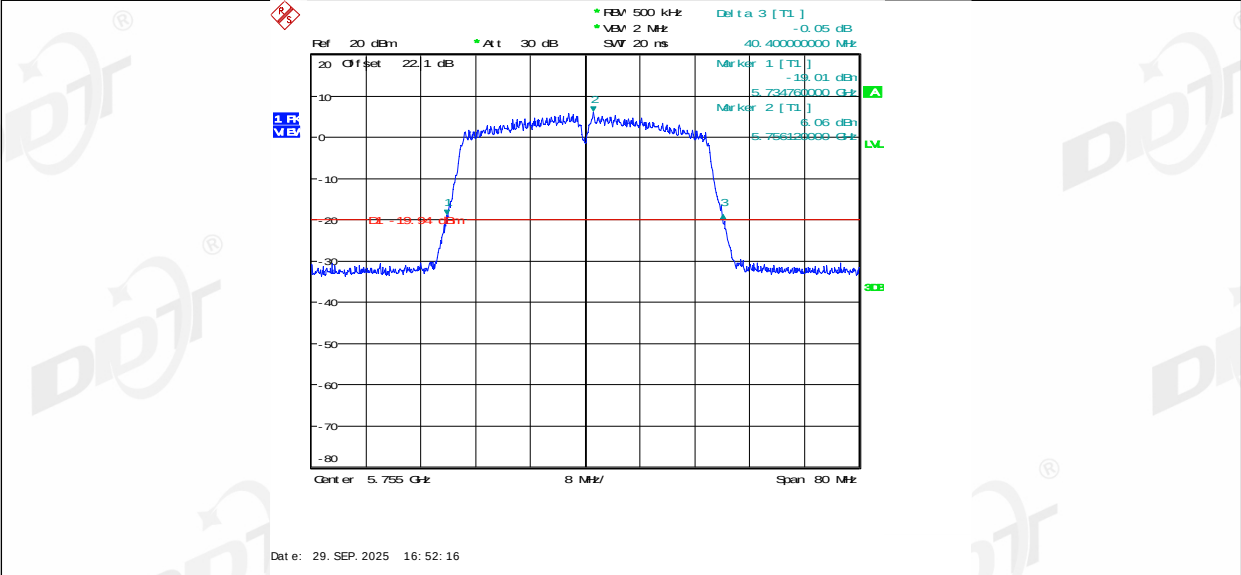
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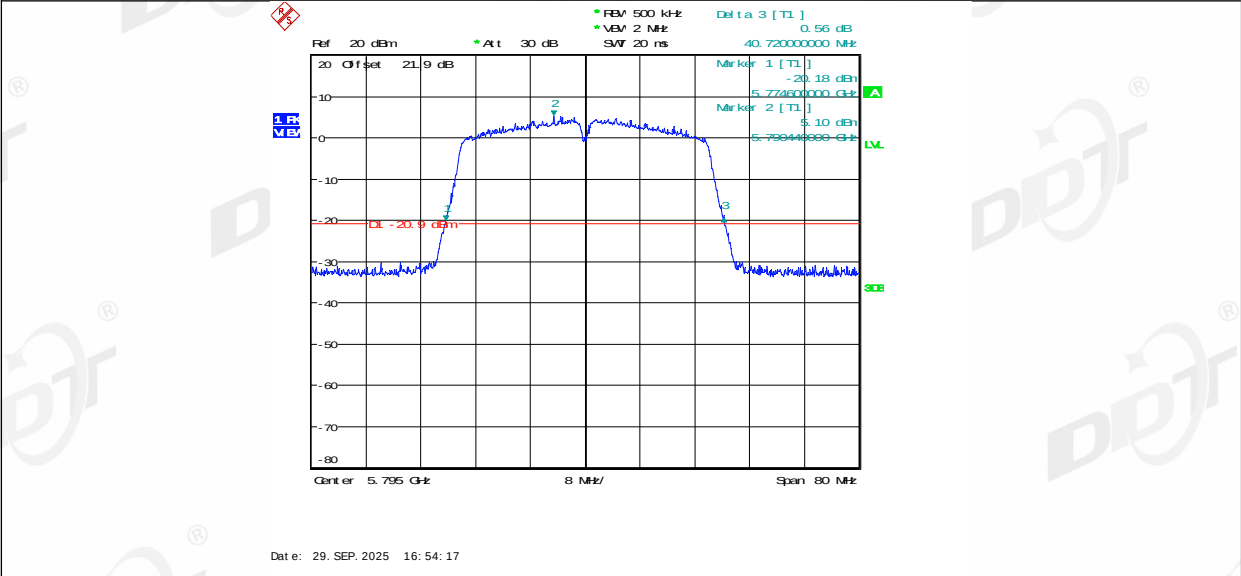
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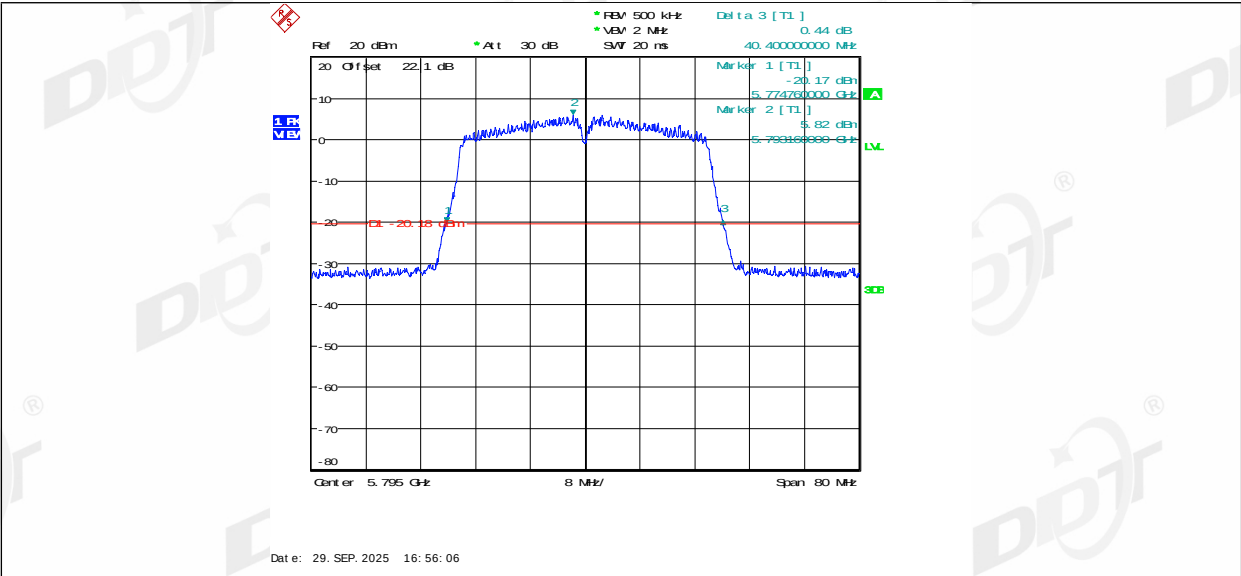
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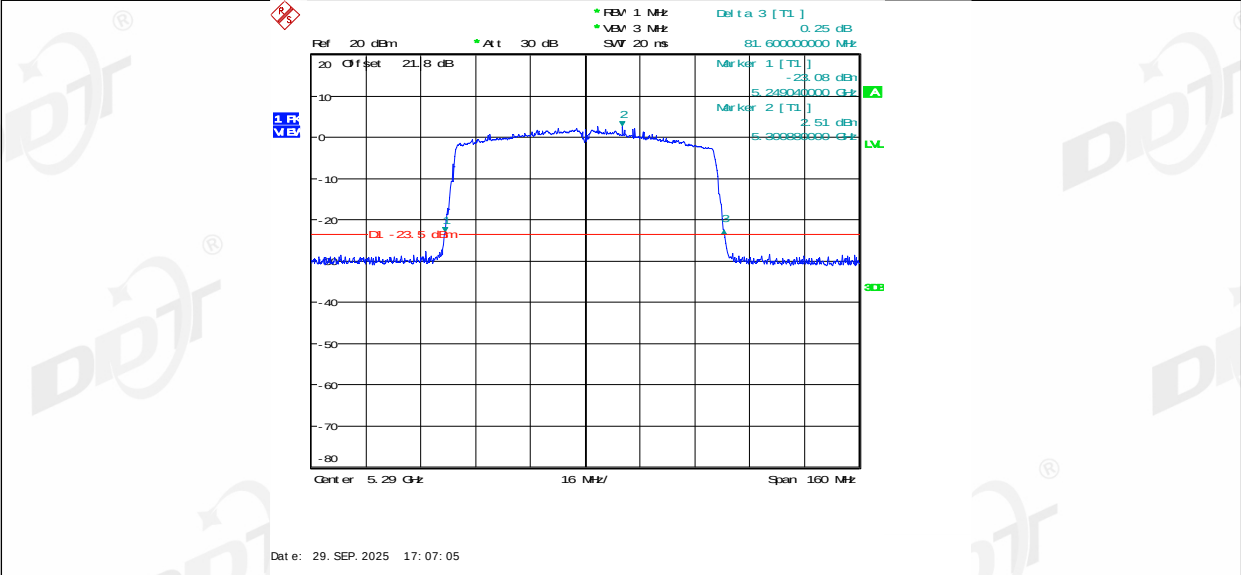
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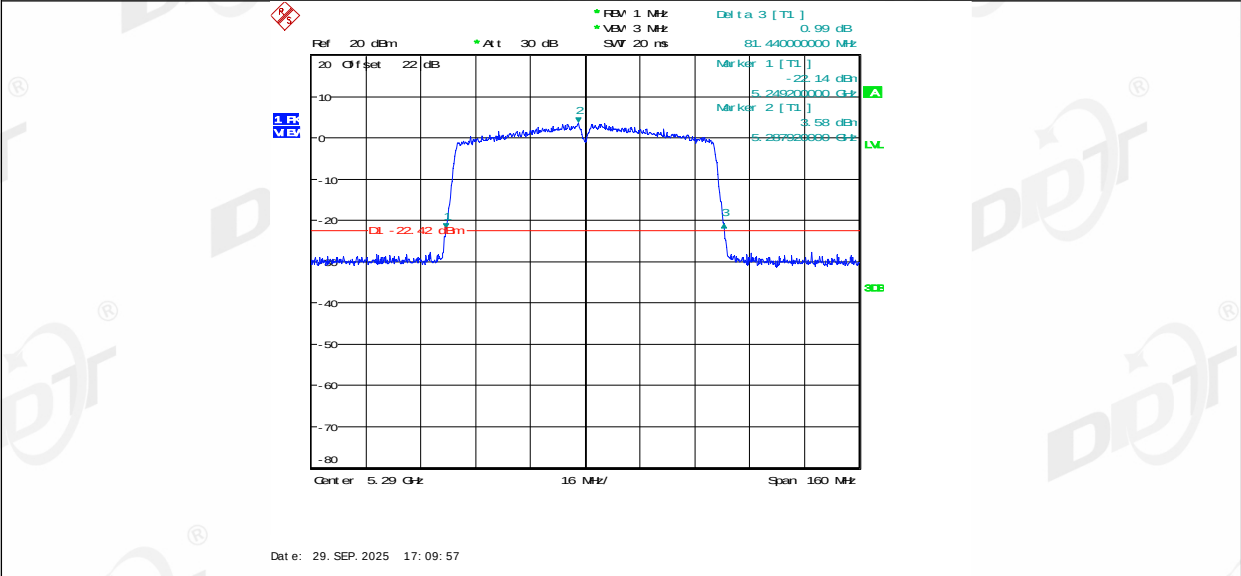
11AC40MIMO_Ant2_5795



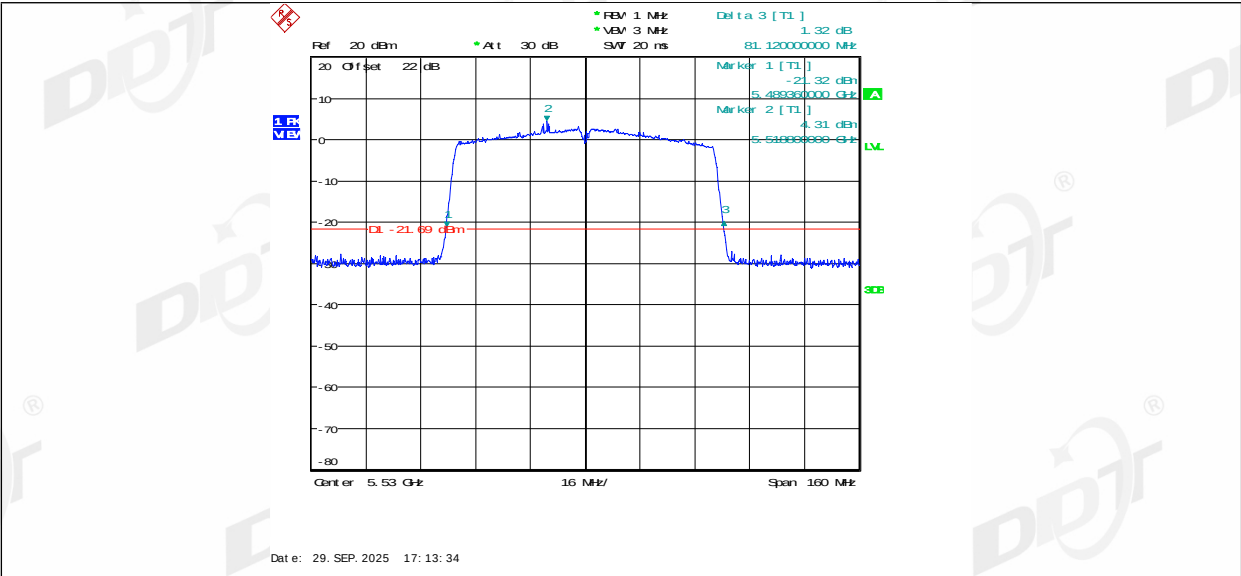
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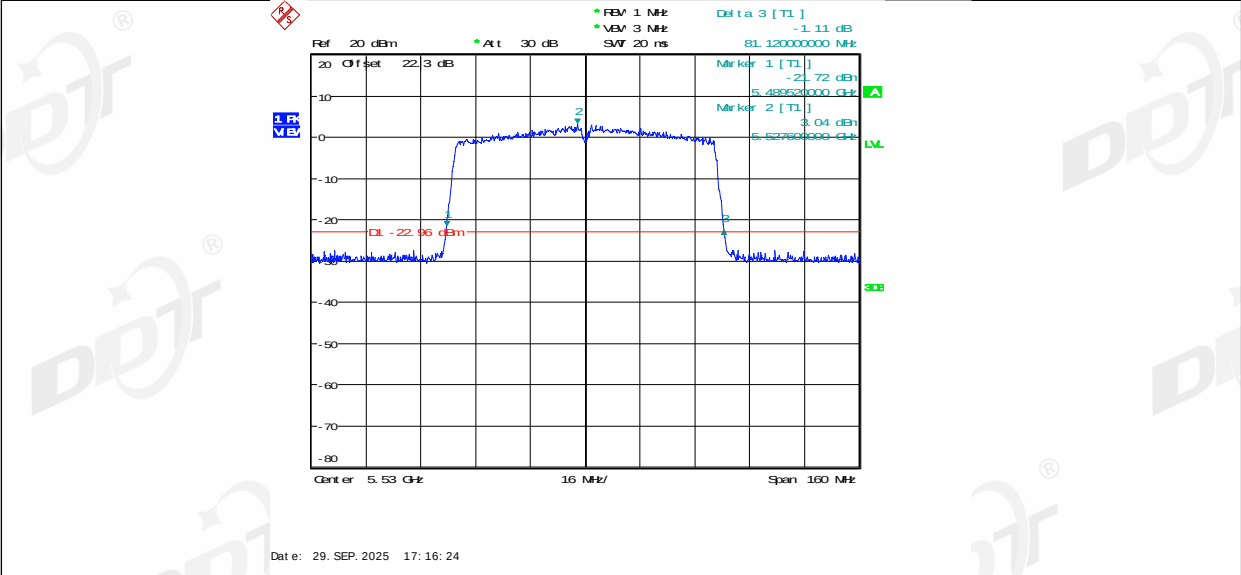
11AC80MIMO_Ant2_5290



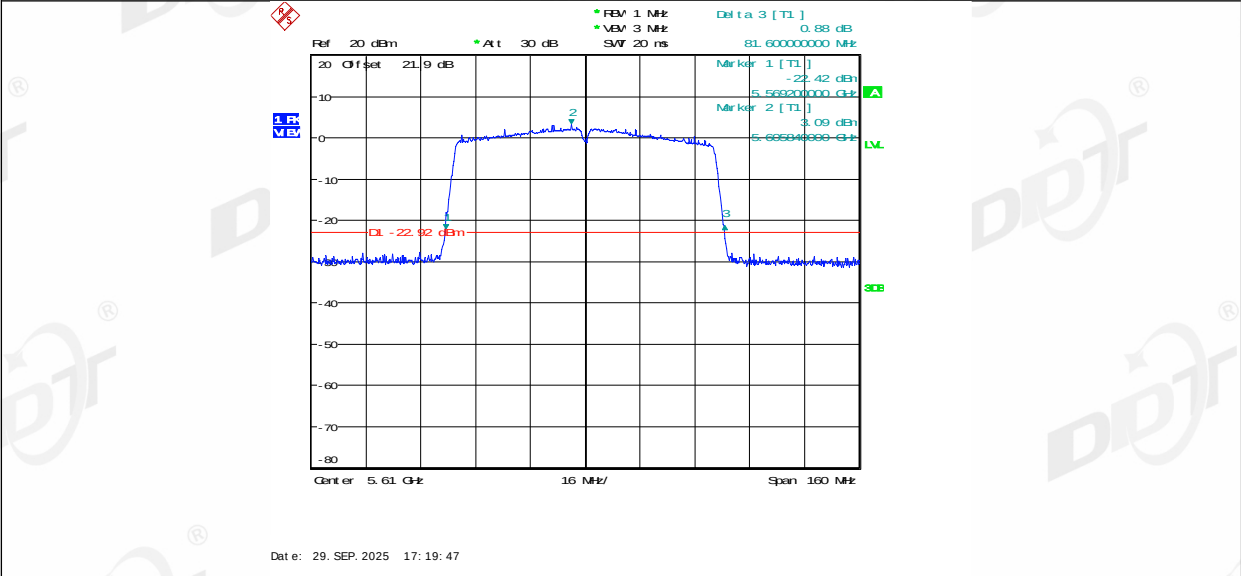
11AC80MIMO_Ant1_5530



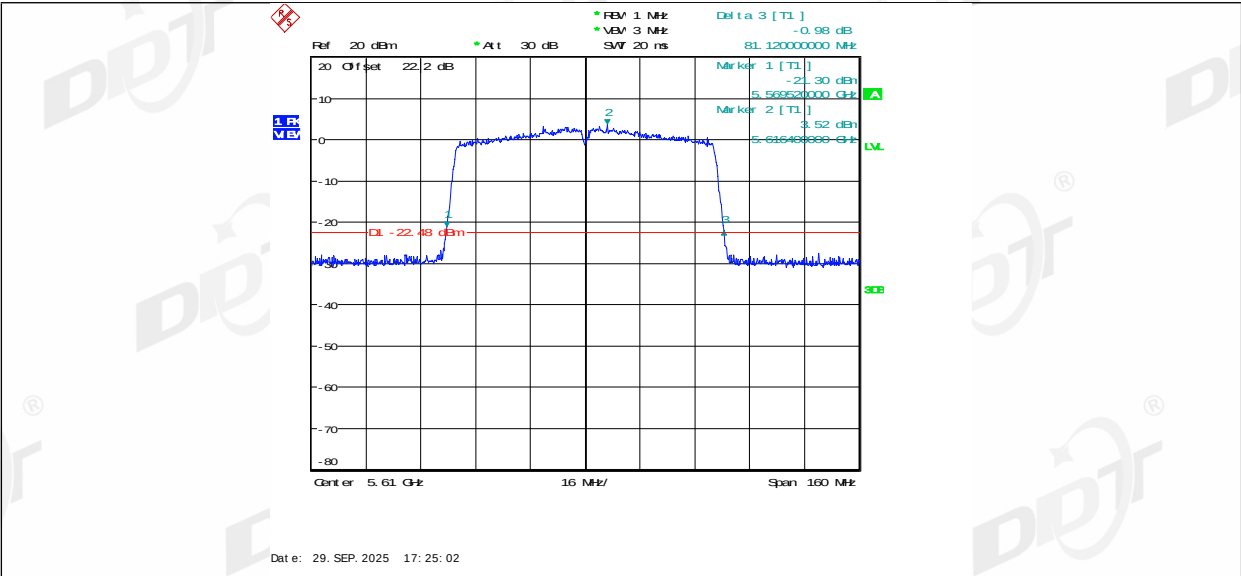
11AC80MIMO_Ant2_5530



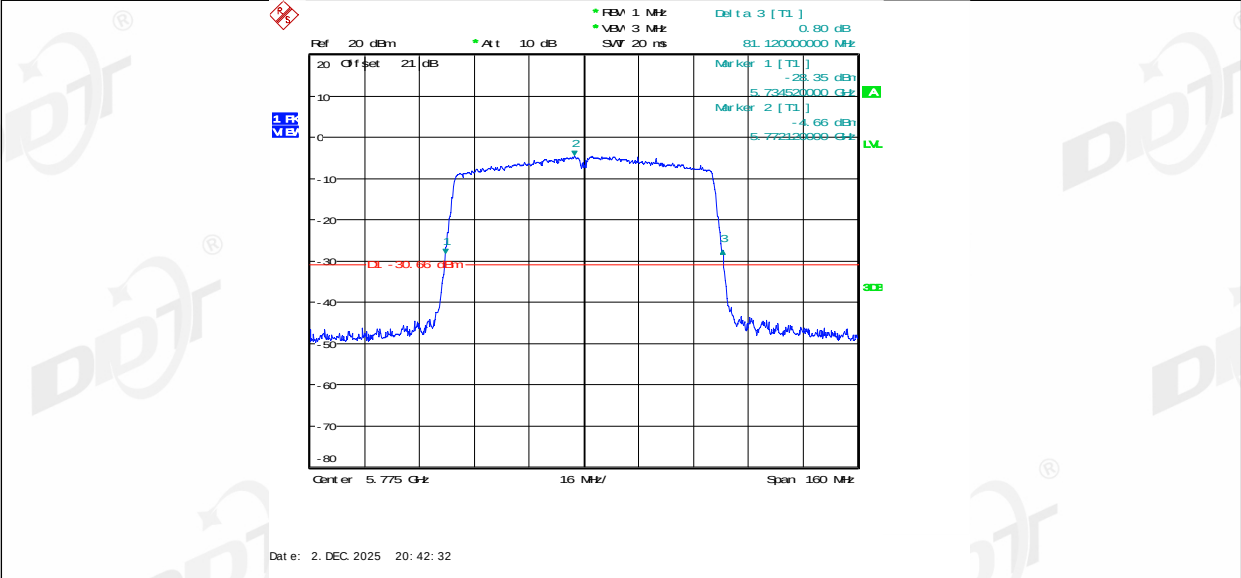
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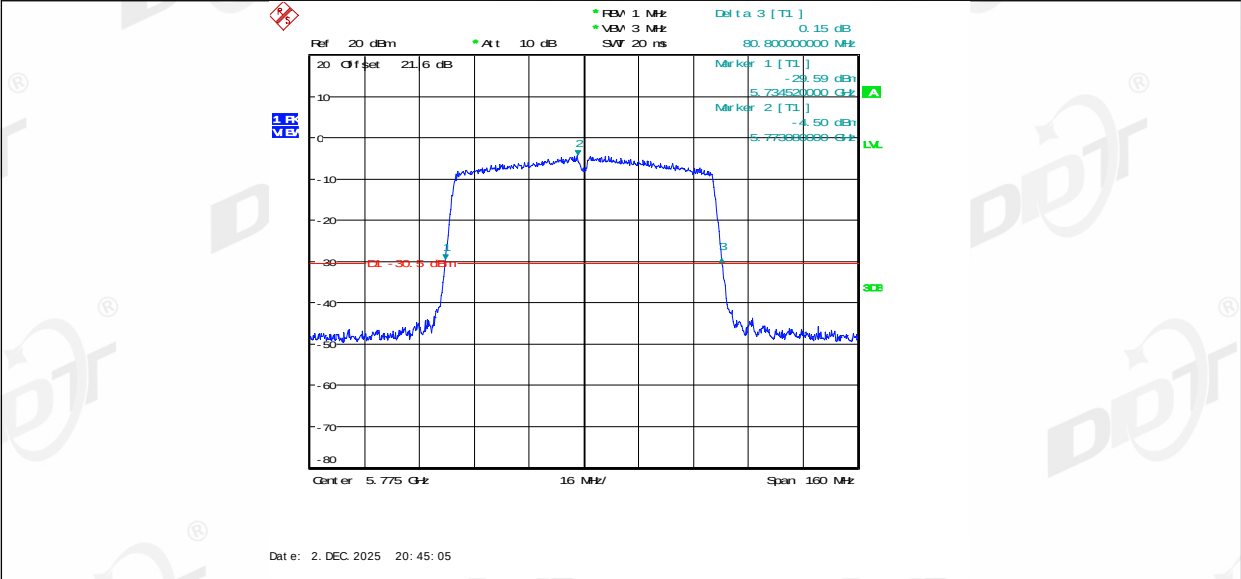
11AC80MIMO_Ant2_5610



11AC80MIMO_Ant1_5775

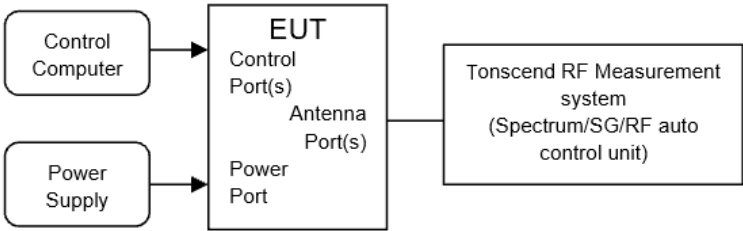


11AC80MIMO_Ant2_5775



5. 6dB Bandwidth

5.1. Block diagram of test setup



5.2. Limits

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

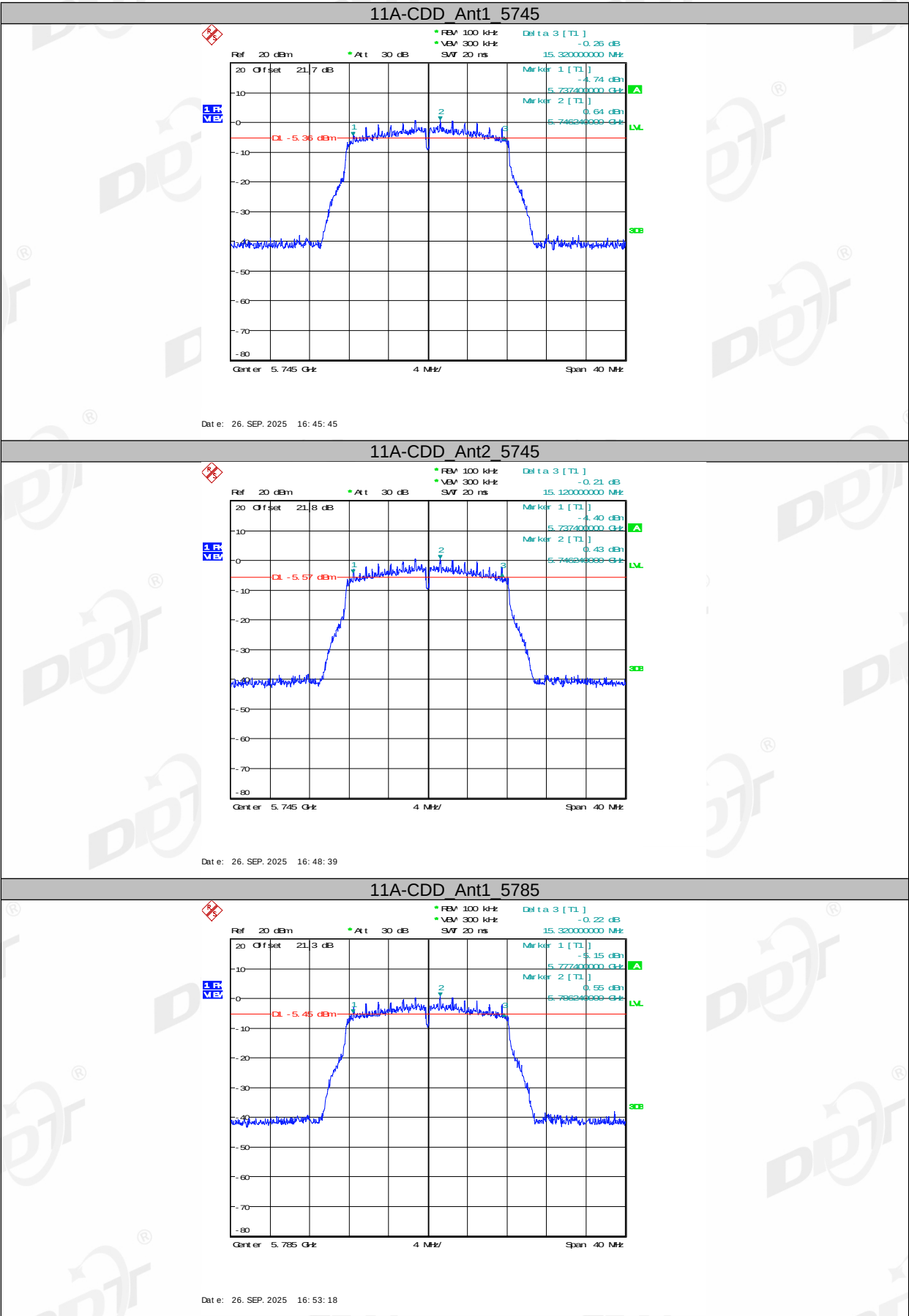
Allow the trace to stabilize, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

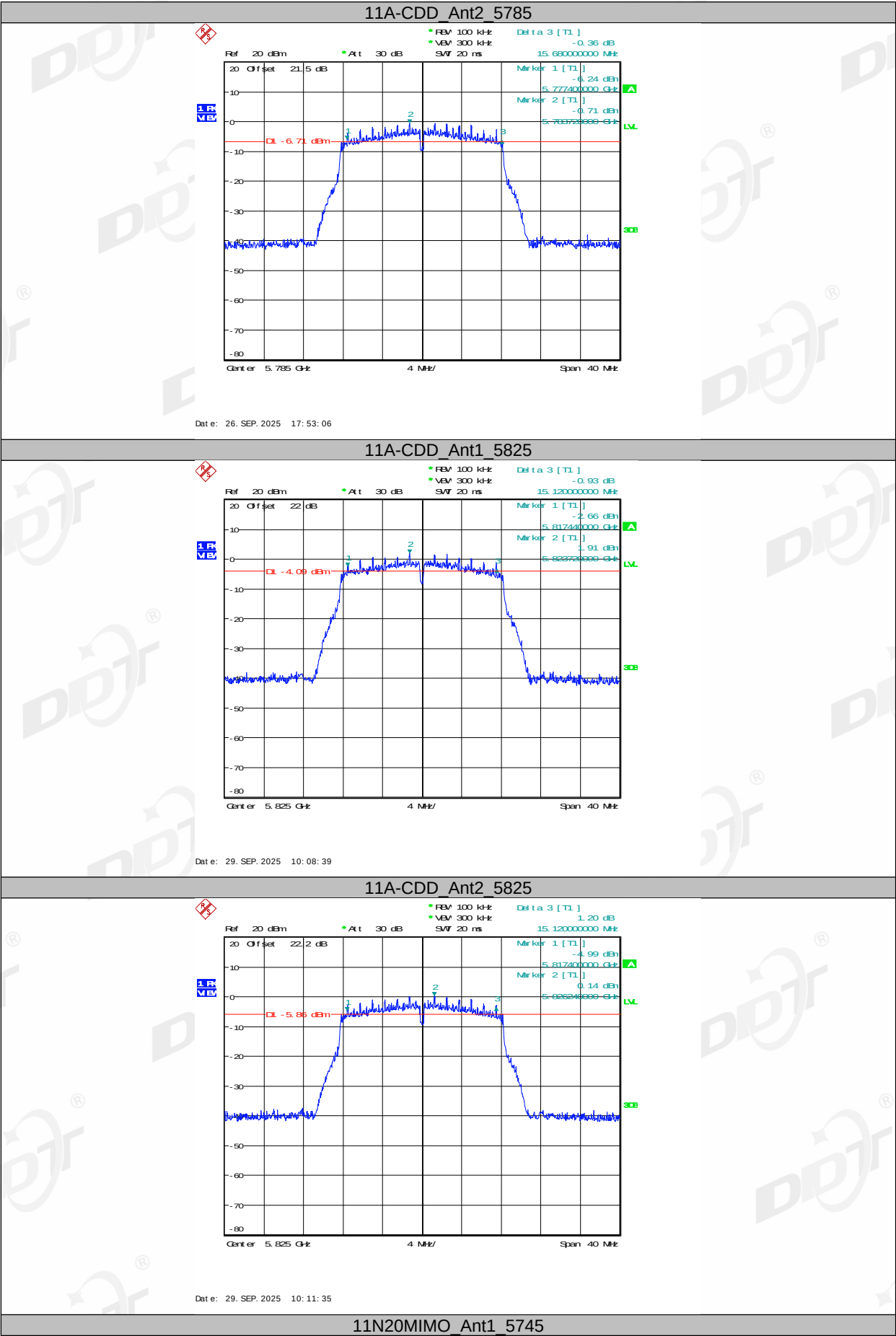
5.4. Test result B4

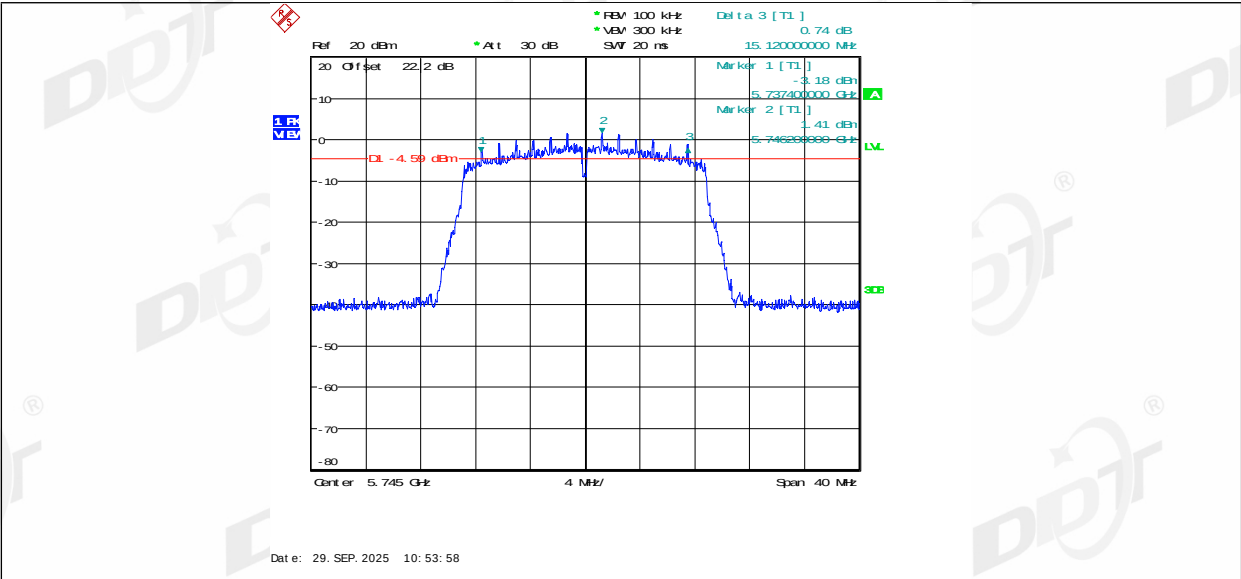
Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 1#
Ambient Condition:	28.6℃,40.1%RH	Test Date:	2025.09.26-2025.12.25
Test Power Supply:	AC120V/60Hz	Sample Number:	S25082809-001

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

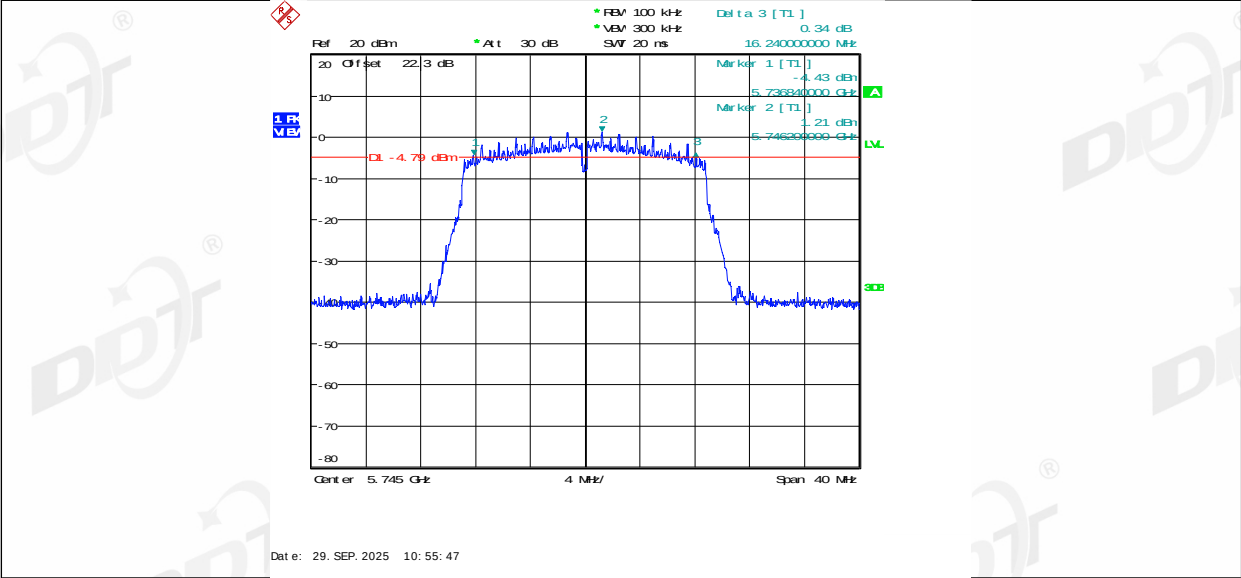
5.5. Test graphs B4



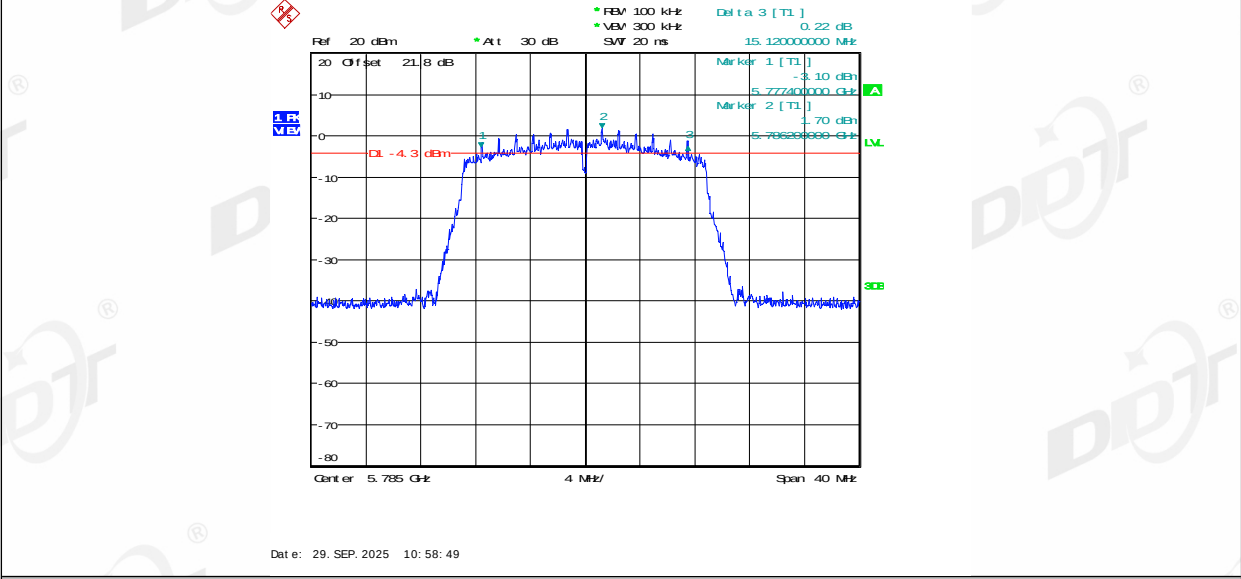




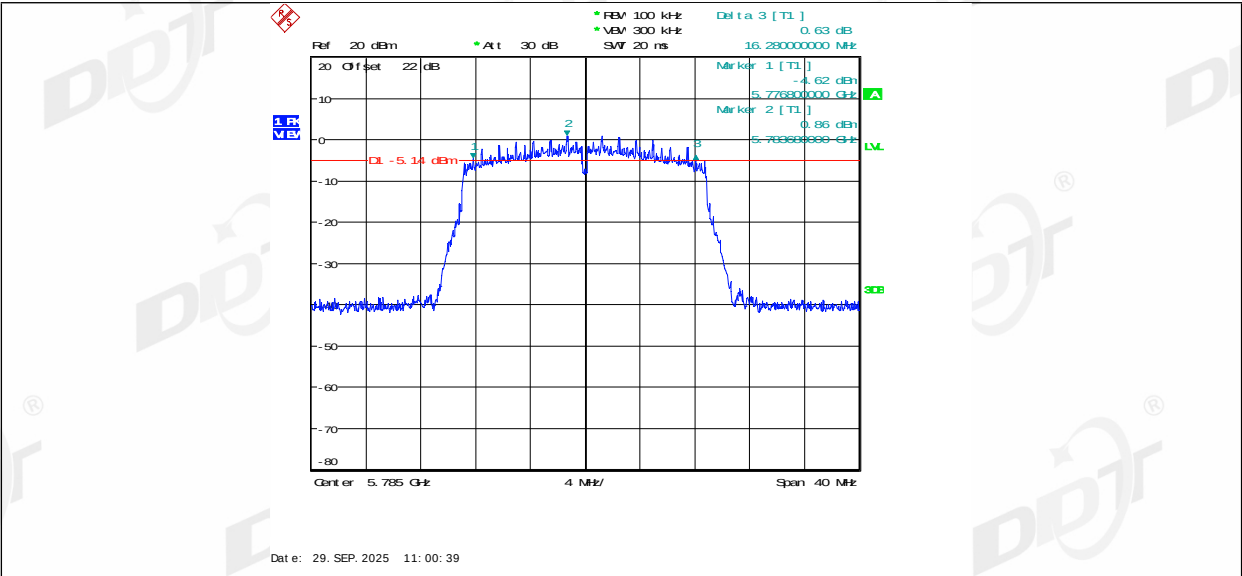
11N20MIMO_Ant2_5745



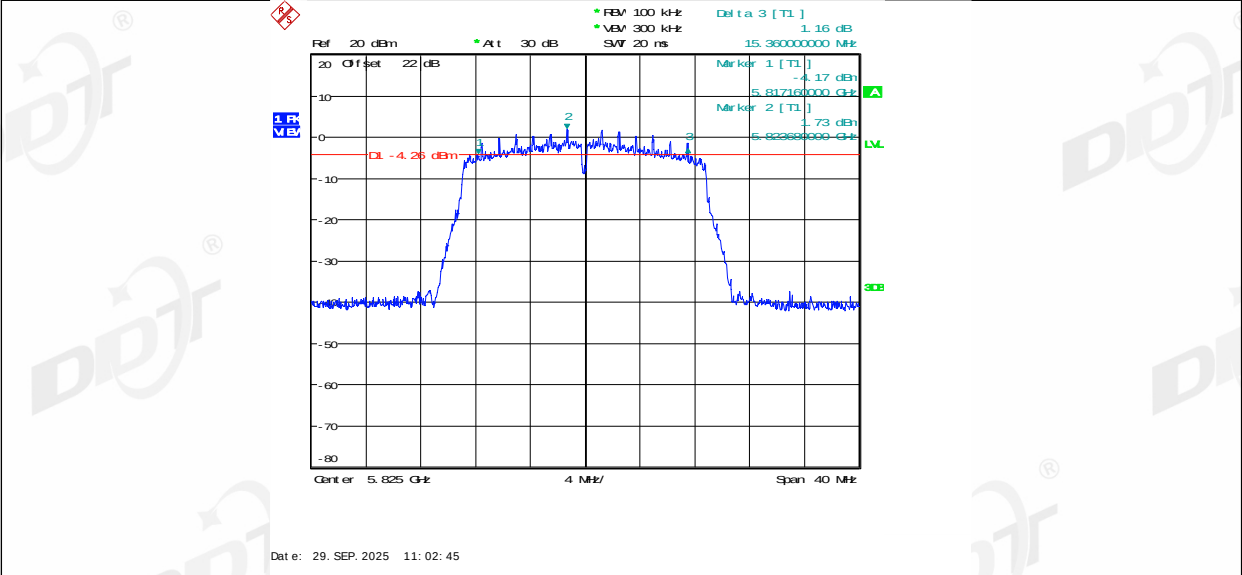
11N20MIMO_Ant1_5785



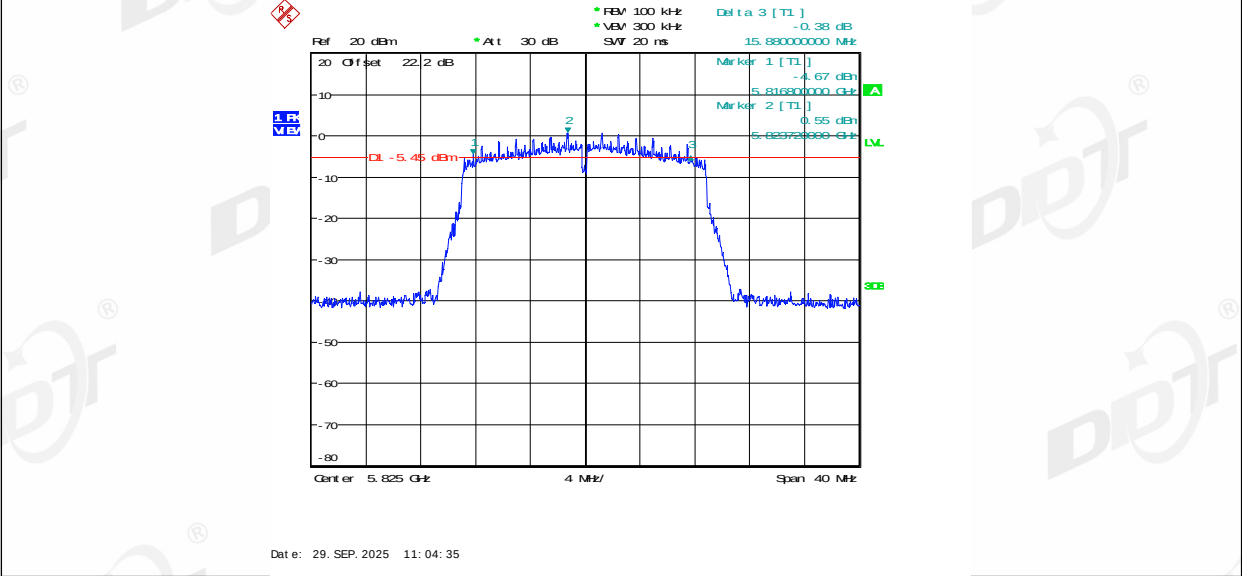
11N20MIMO_Ant2_5785



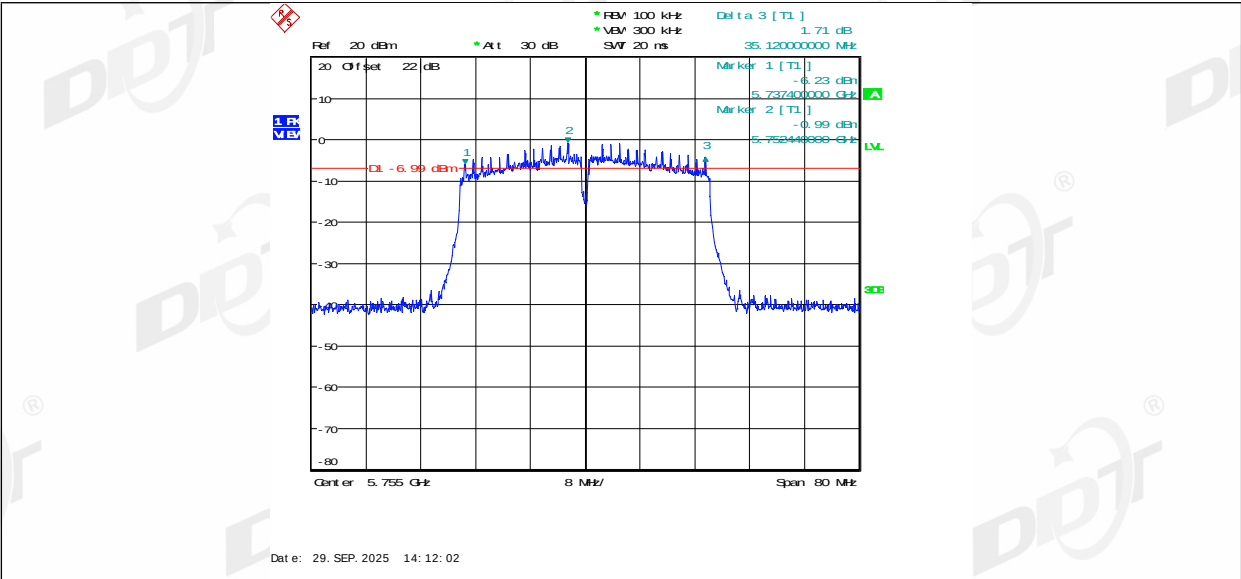
11N20MIMO_Ant1_5825



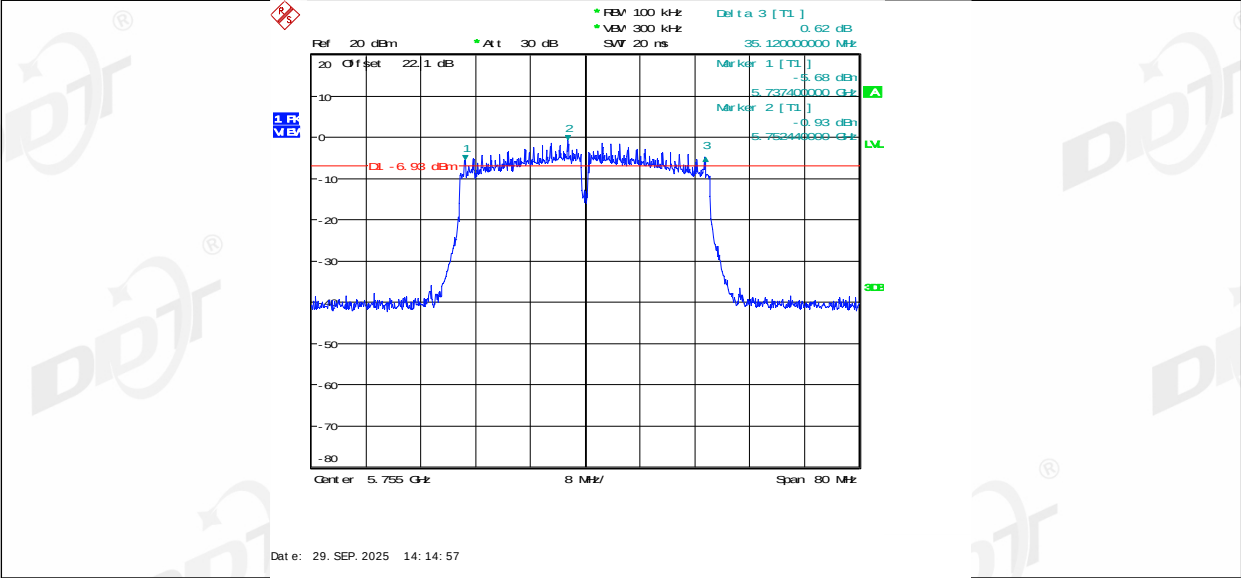
11N20MIMO_Ant2_5825



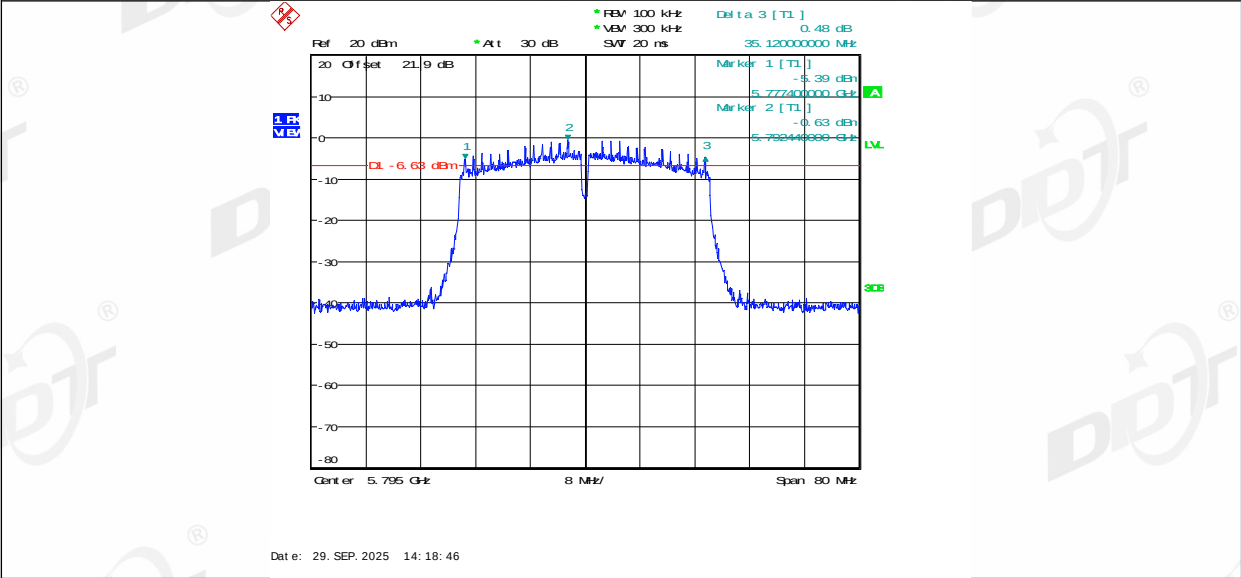
11N40MIMO_Ant1_5755



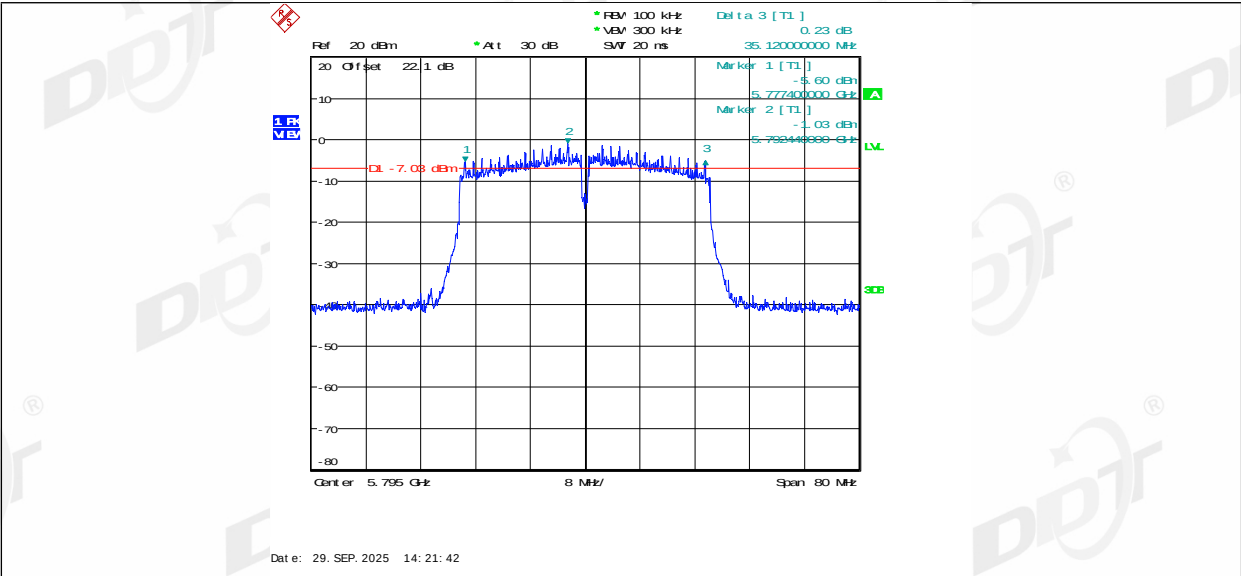
11N40MIMO_Ant2_5755



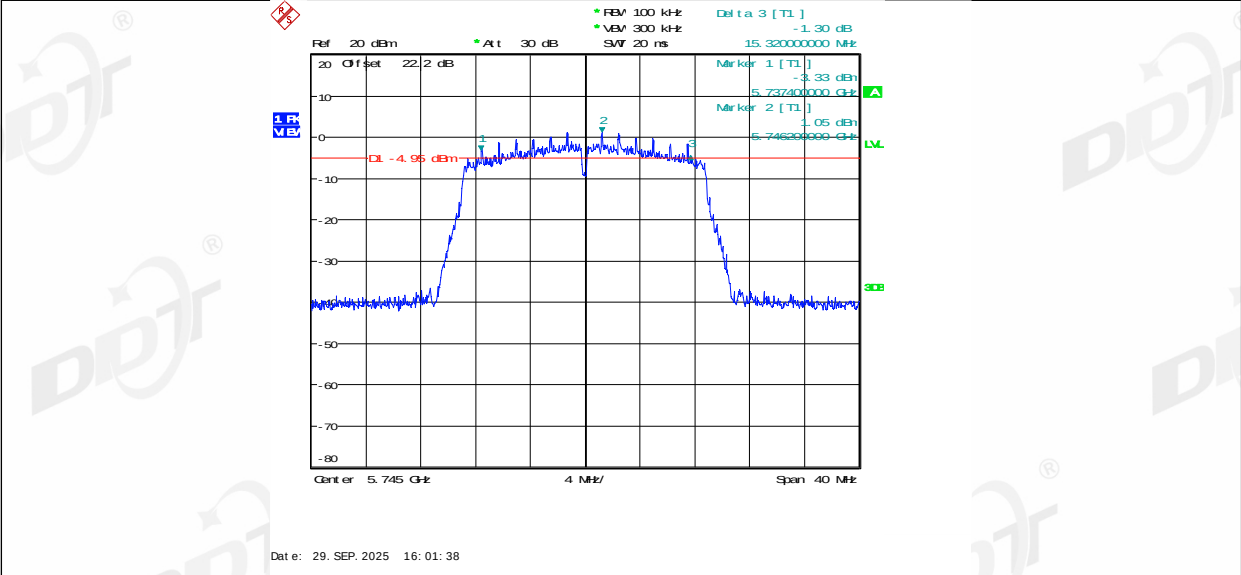
11N40MIMO_Ant1_5795



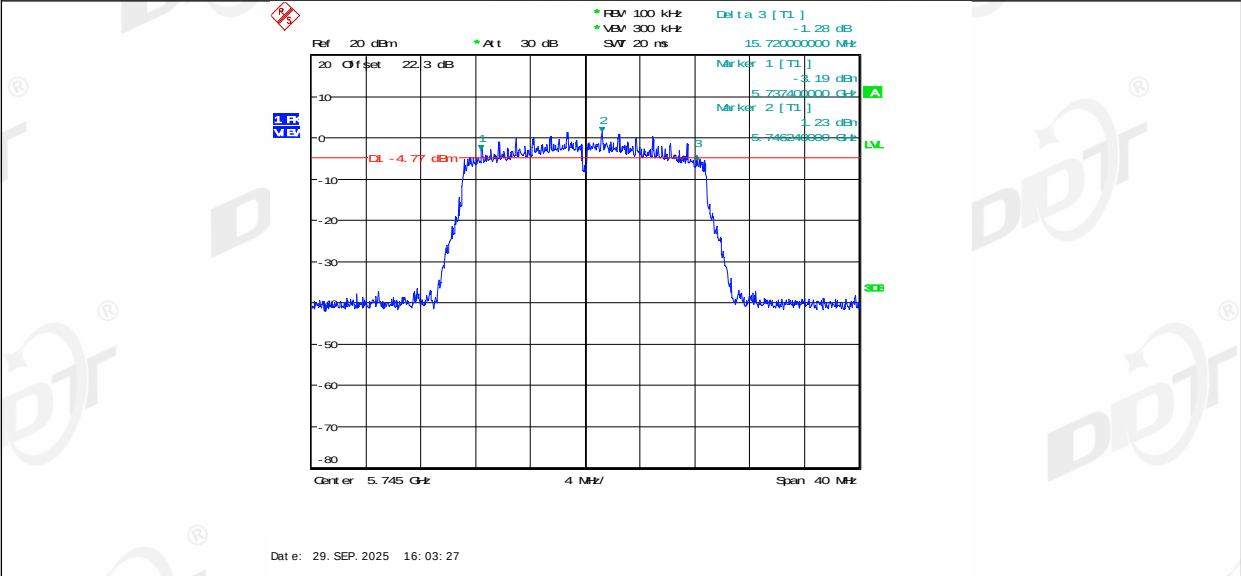
11N40MIMO_Ant2_5795



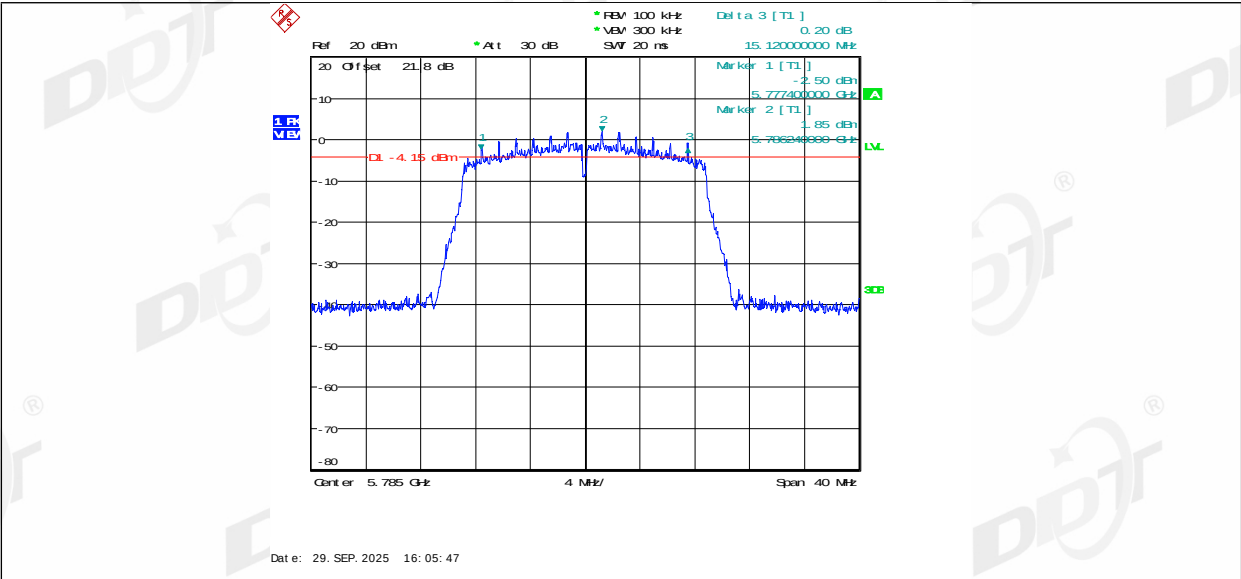
11AC20MIMO_Ant1_5745



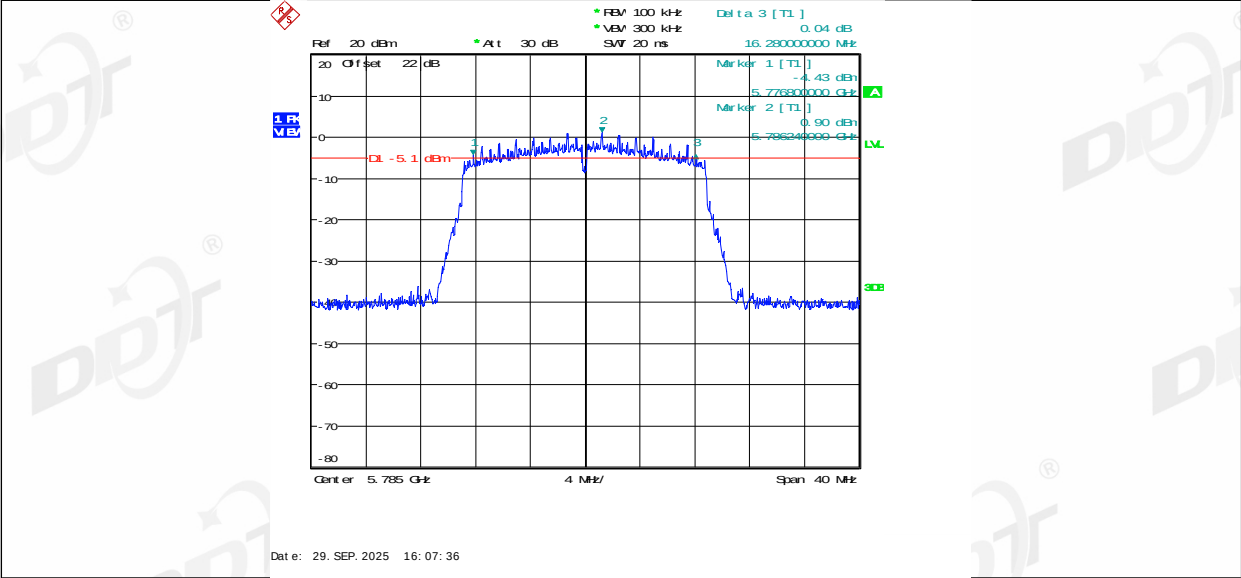
11AC20MIMO_Ant2_5745



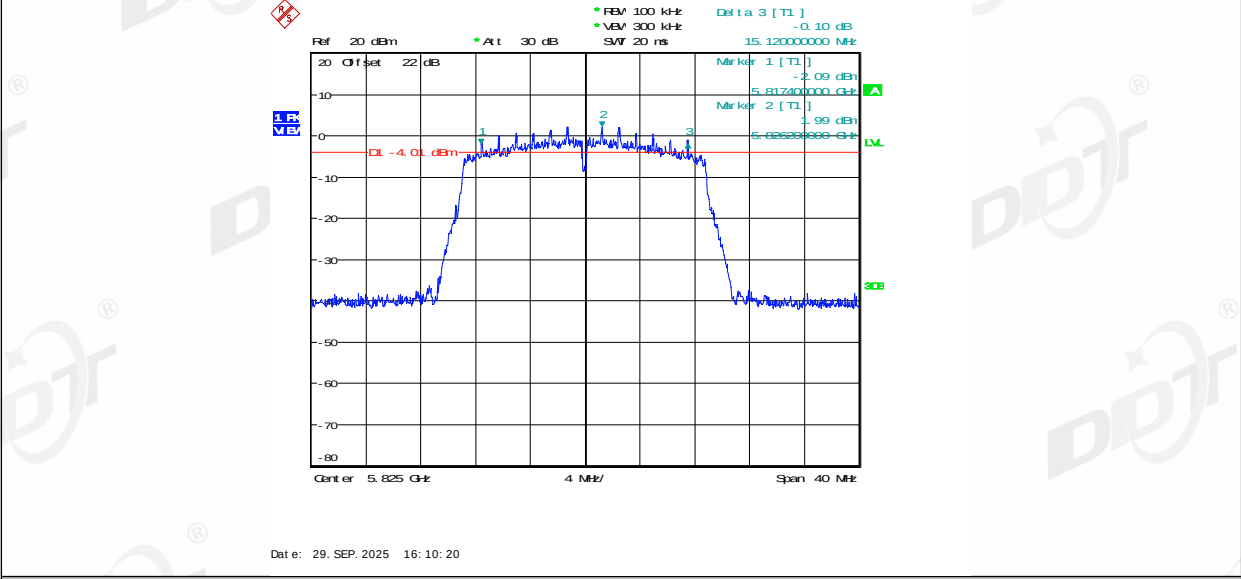
11AC20MIMO_Ant1_5785



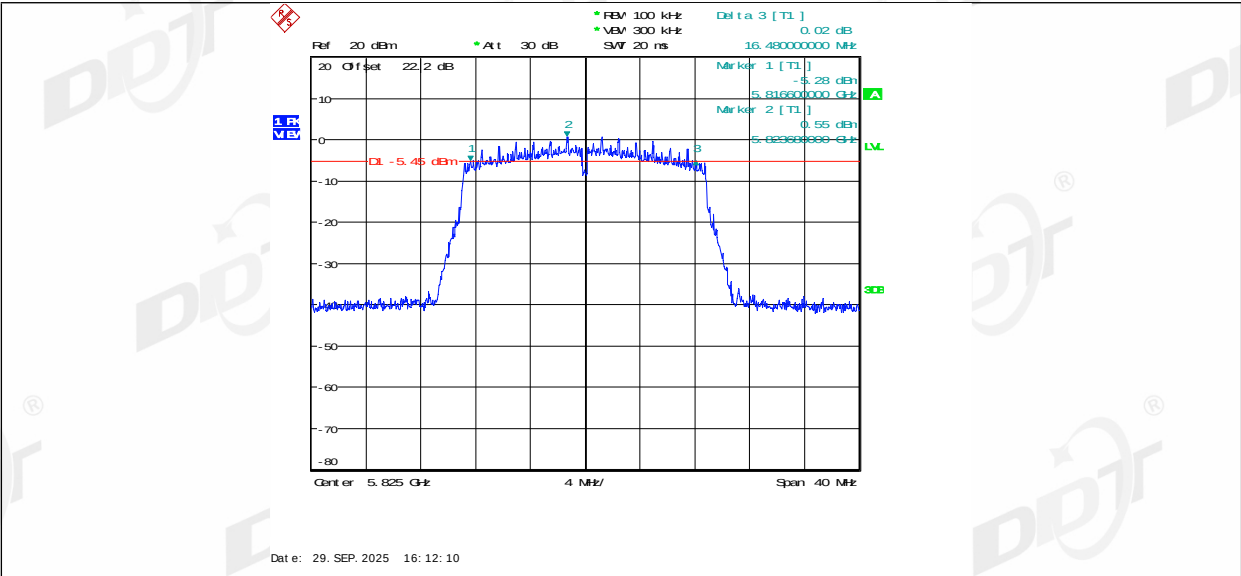
11AC20MIMO_Ant2_5785



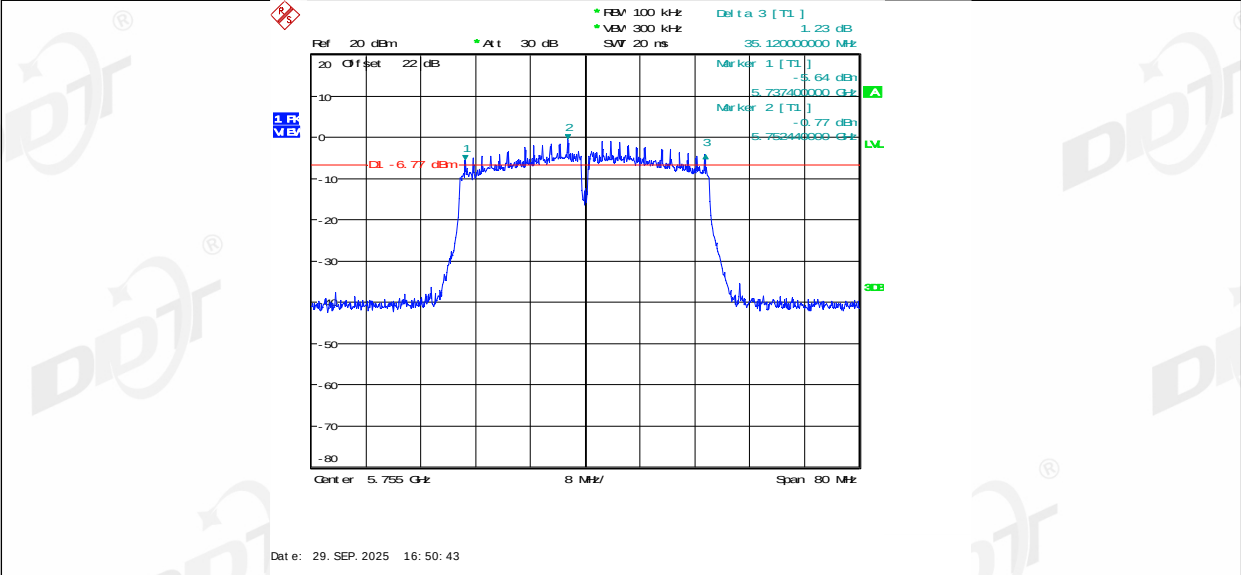
11AC20MIMO_Ant1_5825



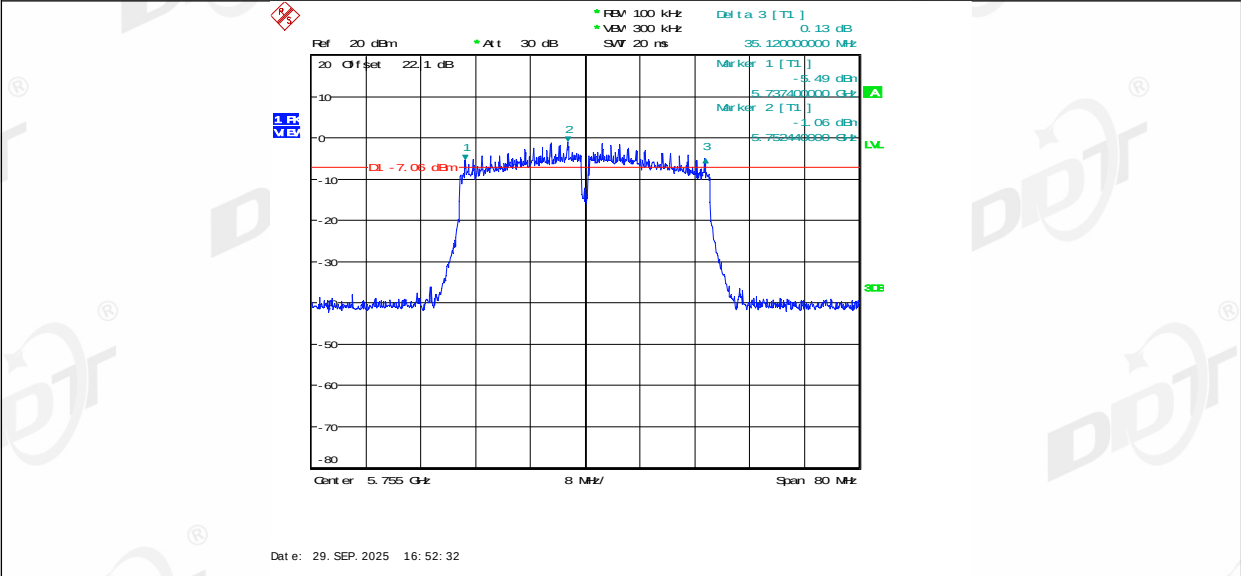
11AC20MIMO_Ant2_5825



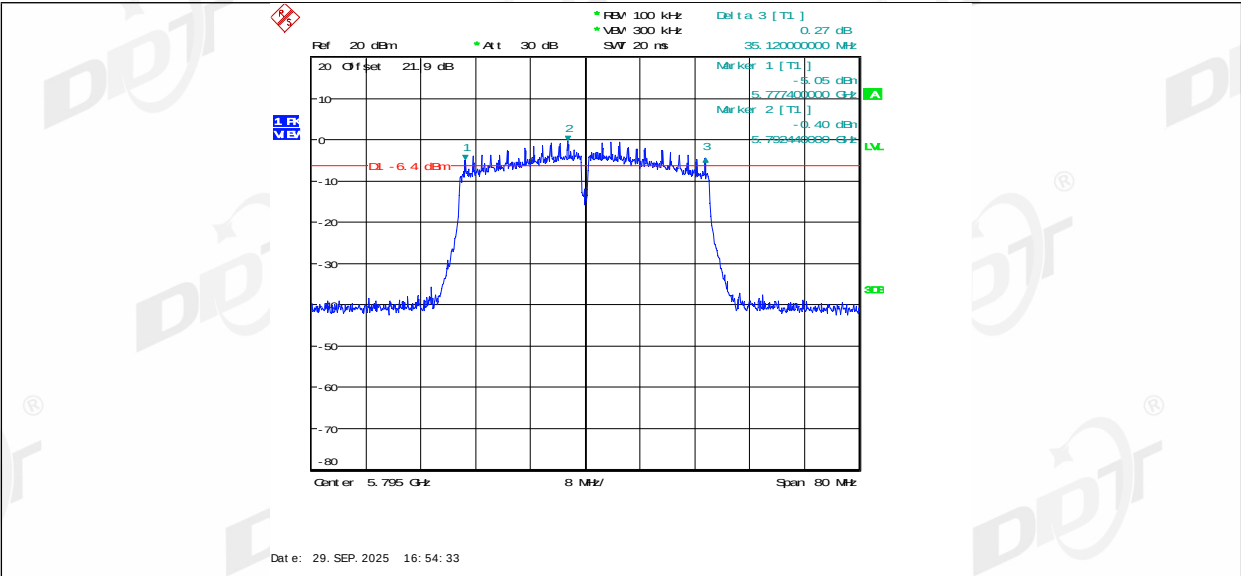
11AC40MIMO_Ant1_5755



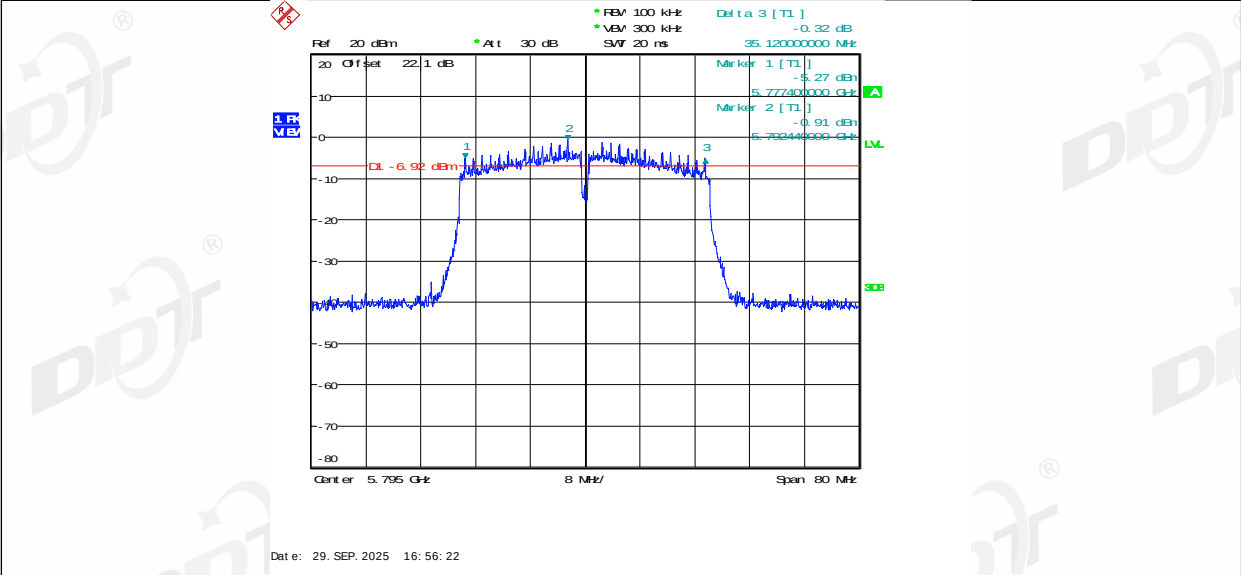
11AC40MIMO_Ant2_5755



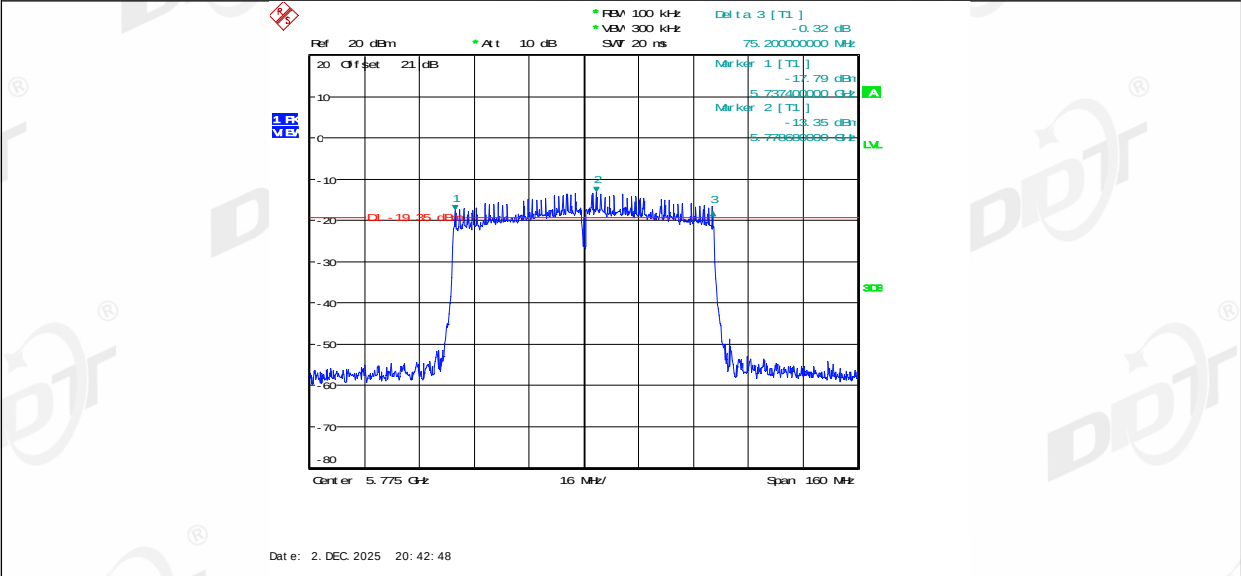
11AC40MIMO_Ant1_5795



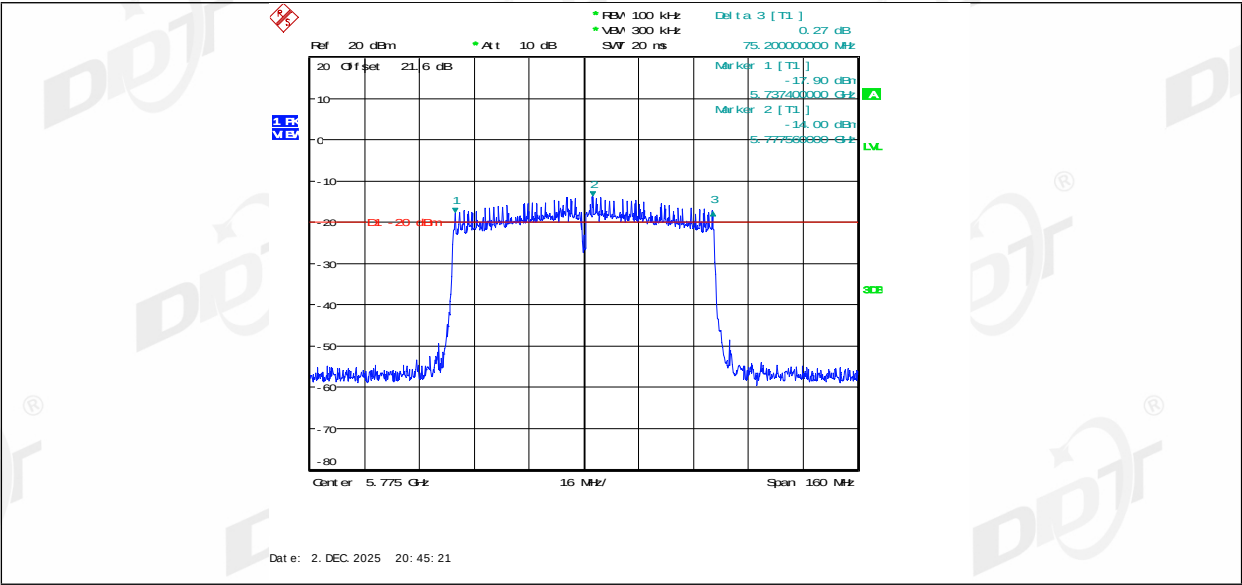
11AC40MIMO_Ant2_5795



11AC80MIMO_Ant1_5775

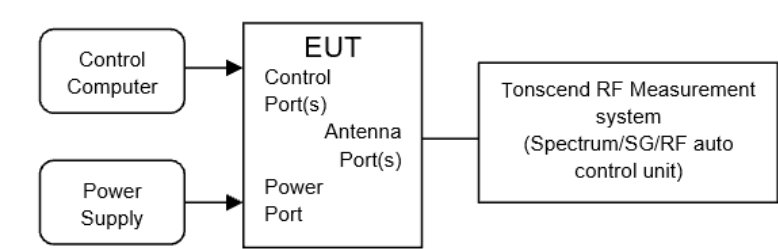


11AC80MIMO_Ant2_5775



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

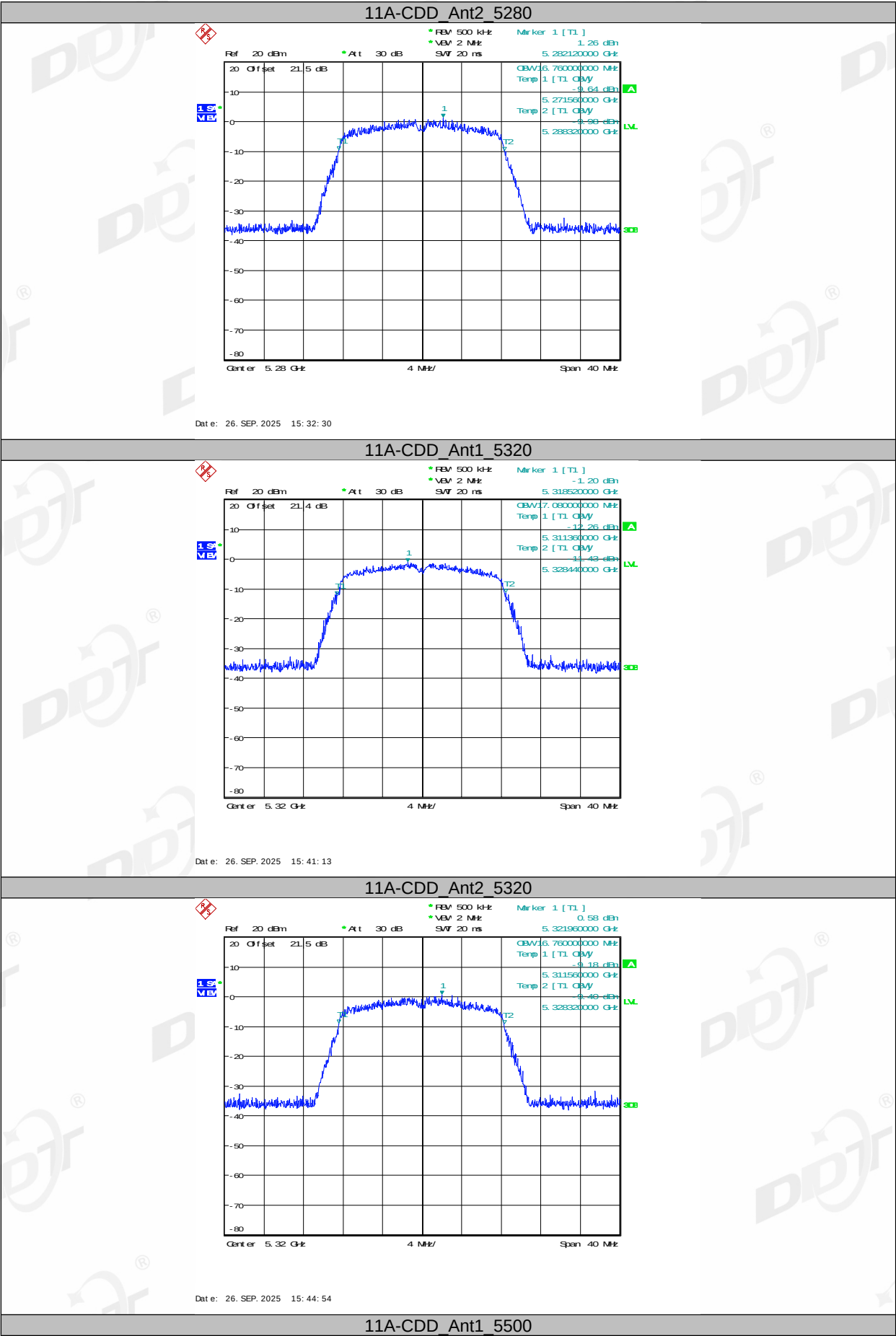
Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 1#
Ambient Condition:	28.6℃,40.1%RH	Test Date:	2025.09.26-2025.12.25
Test Power Supply:	AC120V/60Hz	Sample Number:	S25082809-001

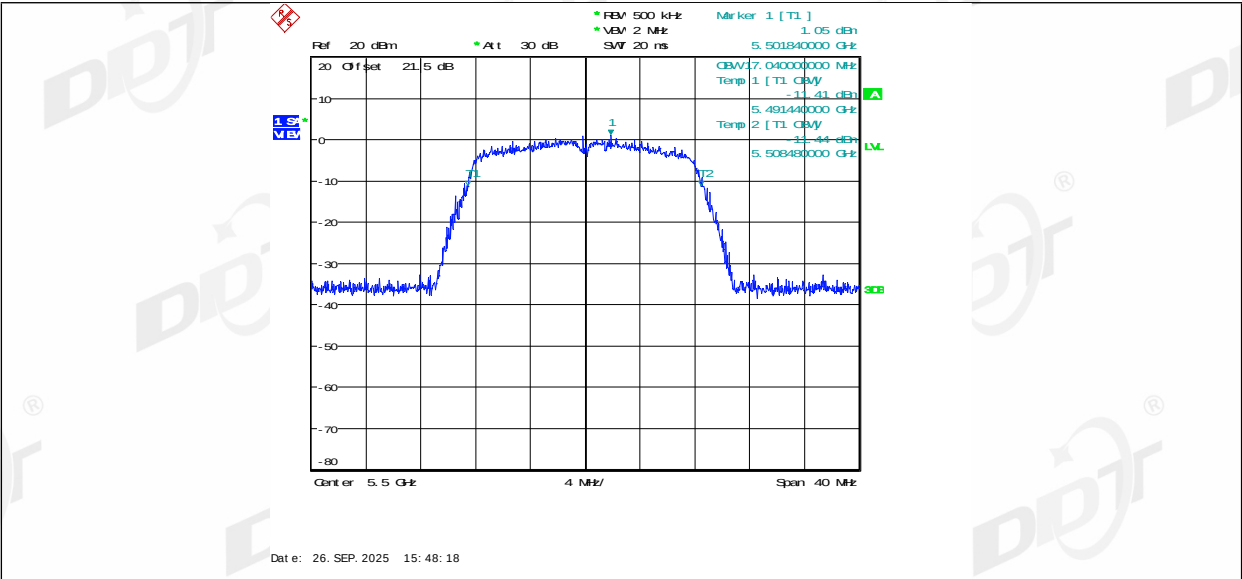
Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A-CDD	Ant1	5260	16.920	5251.5200	5268.4400	---	---
	Ant2	5260	16.840	5251.5600	5268.4000	---	---
	Ant1	5280	17.040	5271.4400	5288.4800	---	---
	Ant2	5280	16.760	5271.5600	5288.3200	---	---
	Ant1	5320	17.080	5311.3600	5328.4400	---	---
	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	---	---
11N20MIMO	Ant1	5825	16.960	5816.4800	5833.4400	---	---
	Ant2	5825	16.760	5816.5600	5833.3200	---	---
	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	---	---
11N40MIMO	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	---	---
	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	---	---
11AC20MIMO	Ant1	5795	36.160	5776.8400	5813.0000	---	---
	Ant2	5795	36.160	5776.8400	5813.0000	---	---
	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	---	---
	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	---	---
11AC40MIM O	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	---	---
	Ant1	5795	36.080	5776.9200	5813.0000	---	---
	Ant2	5795	36.240	5776.7600	5813.0000	---	---
11AC80MIM O	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	---	---

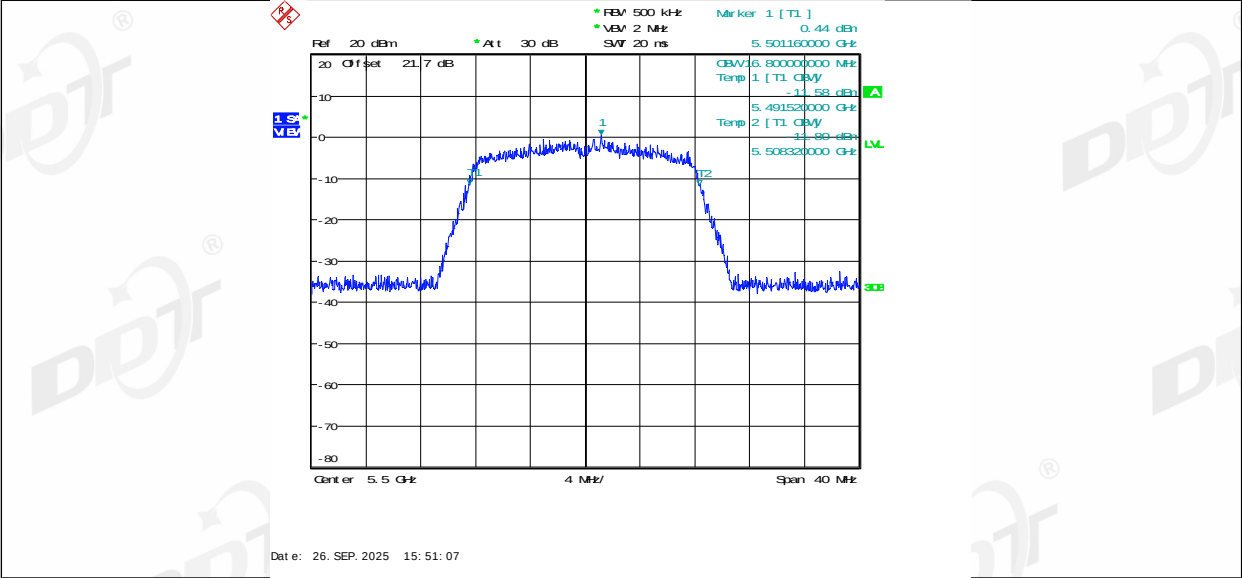
6.5. Test graphs



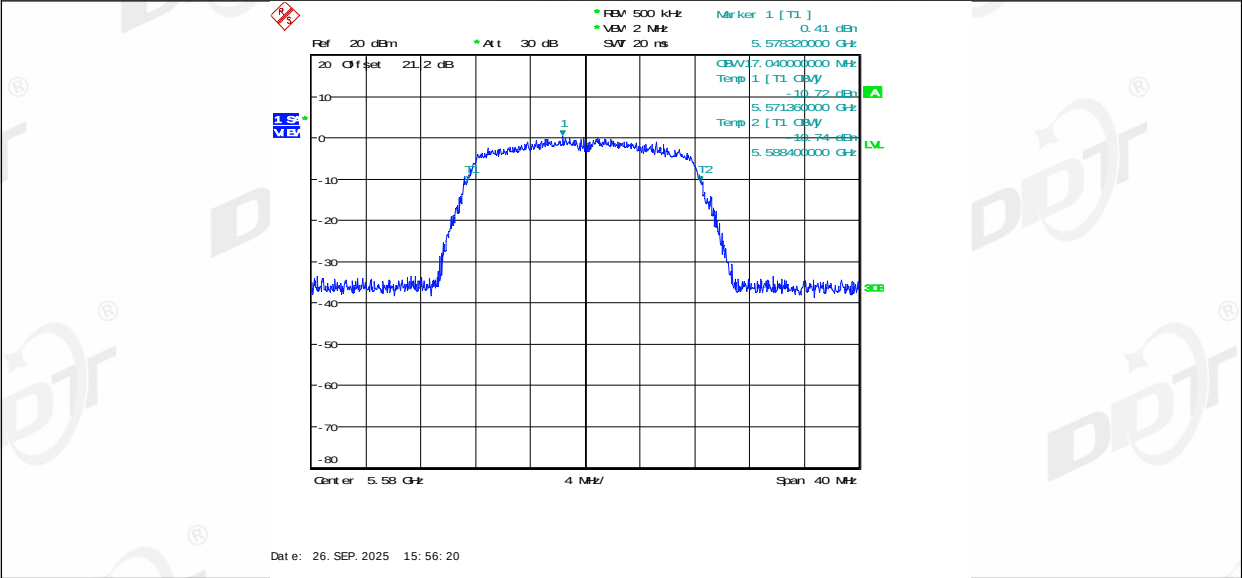




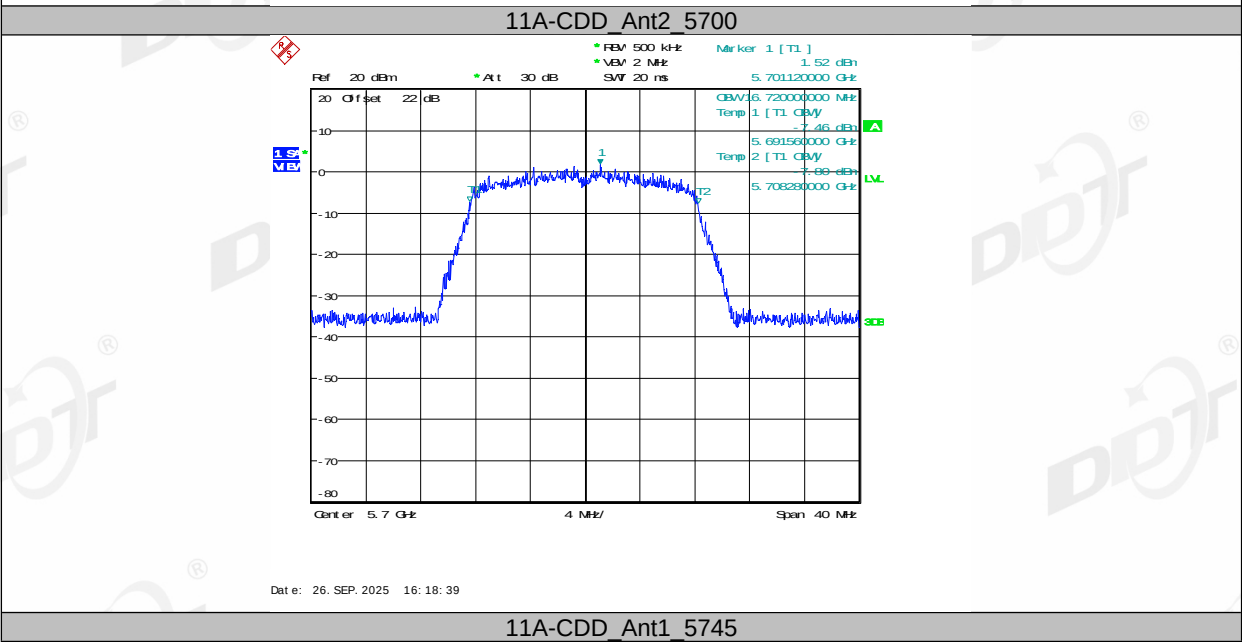
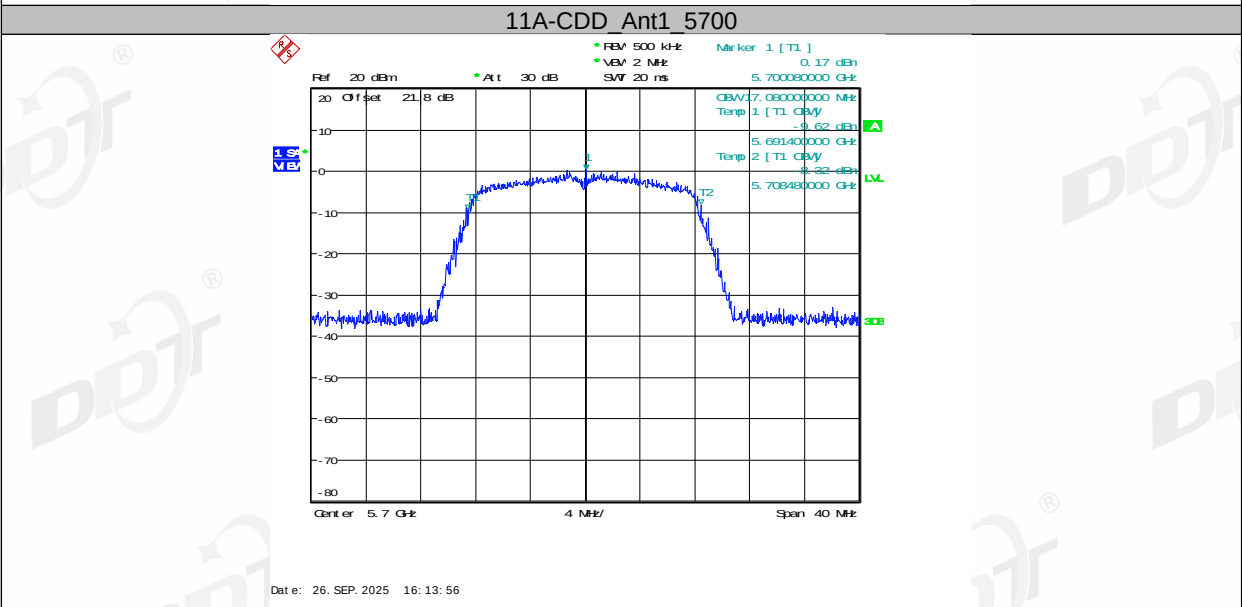
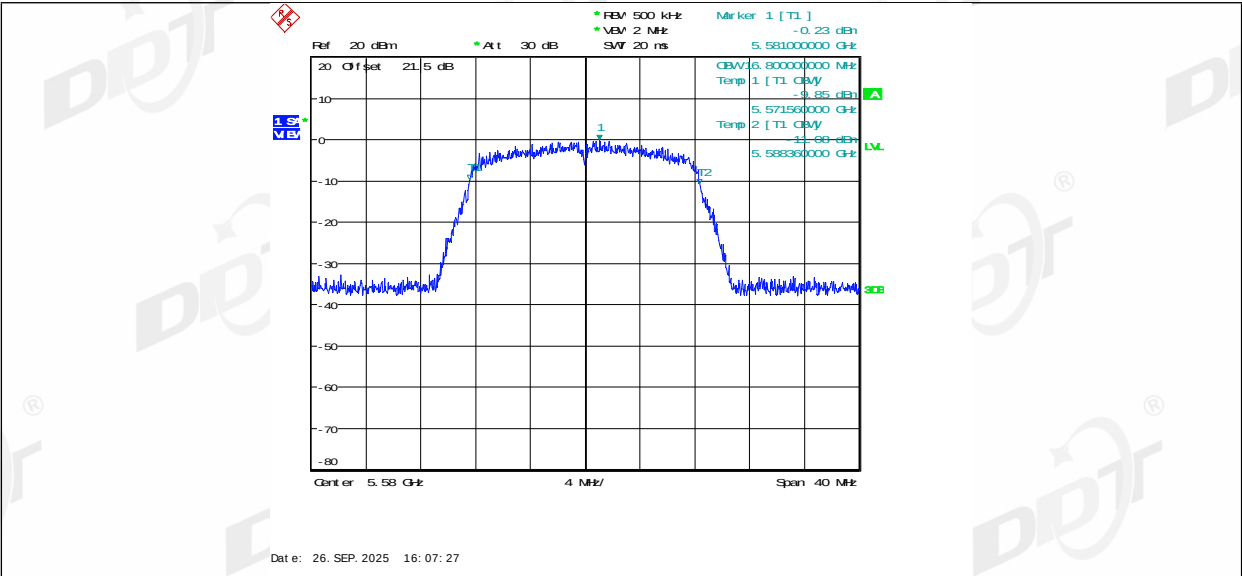
11A-CDD_Ant2_5500

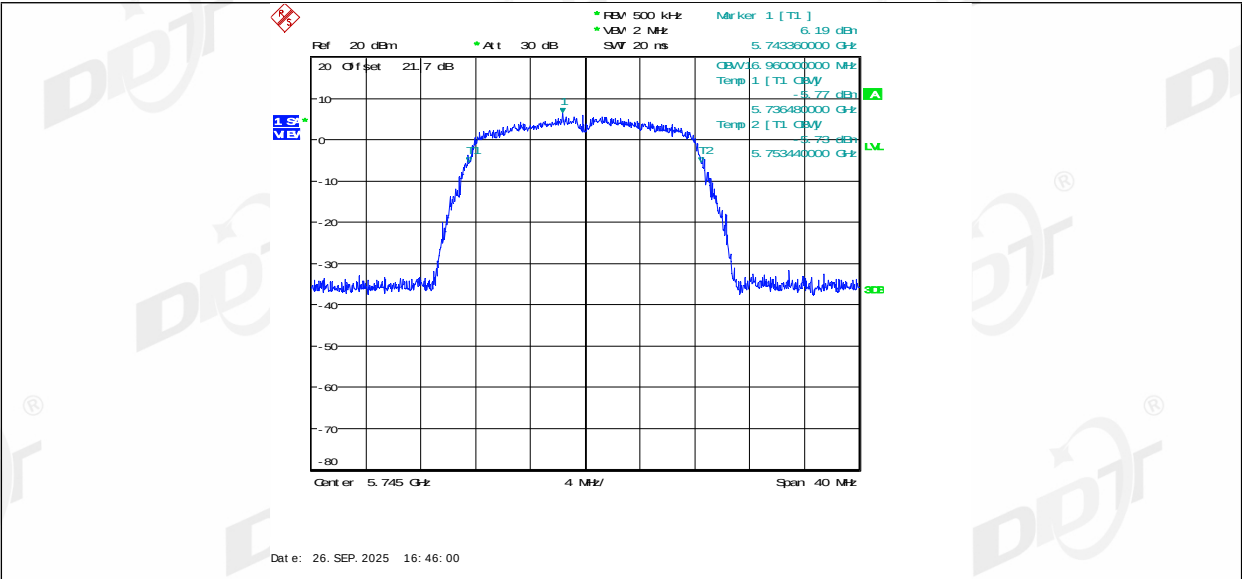


11A-CDD_Ant1_5580

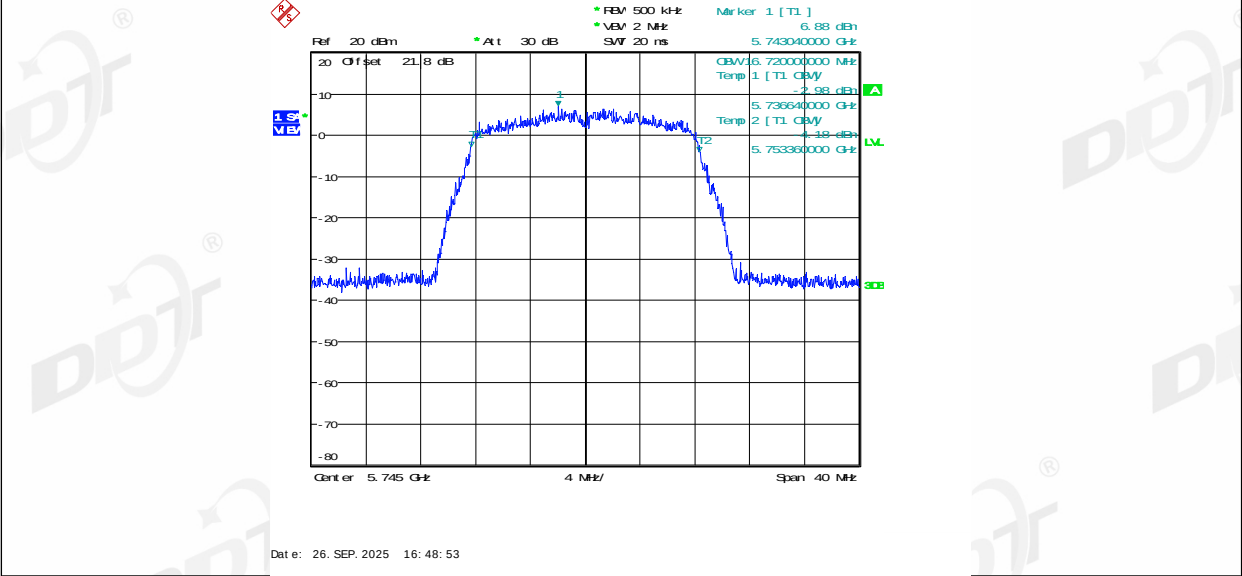


11A-CDD_Ant2_5580

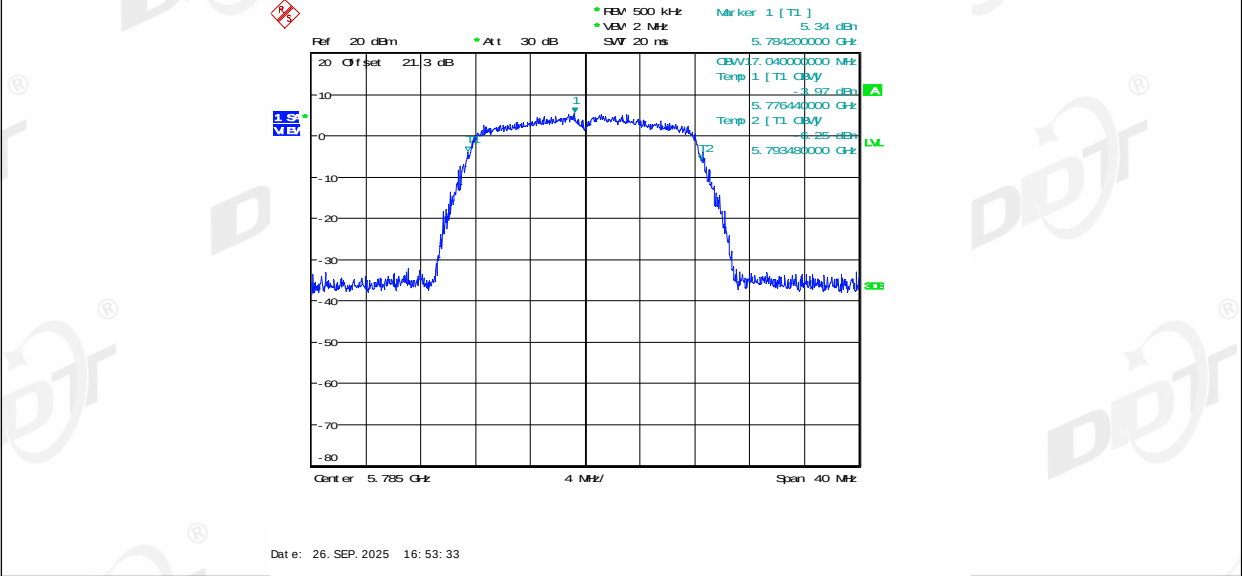




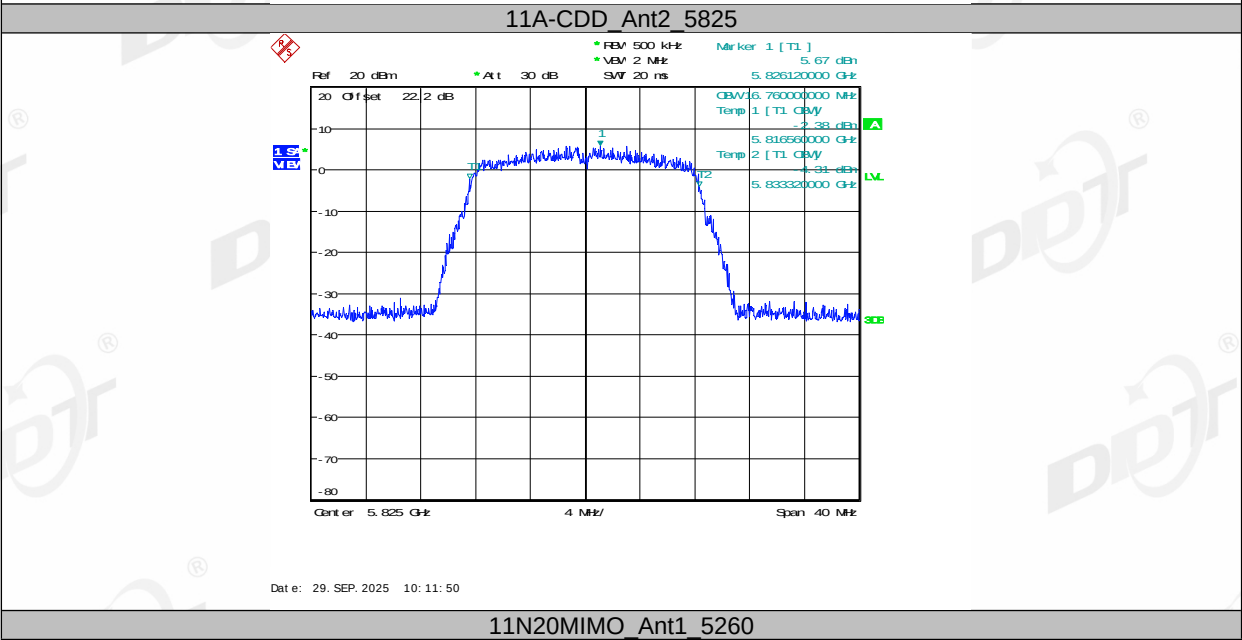
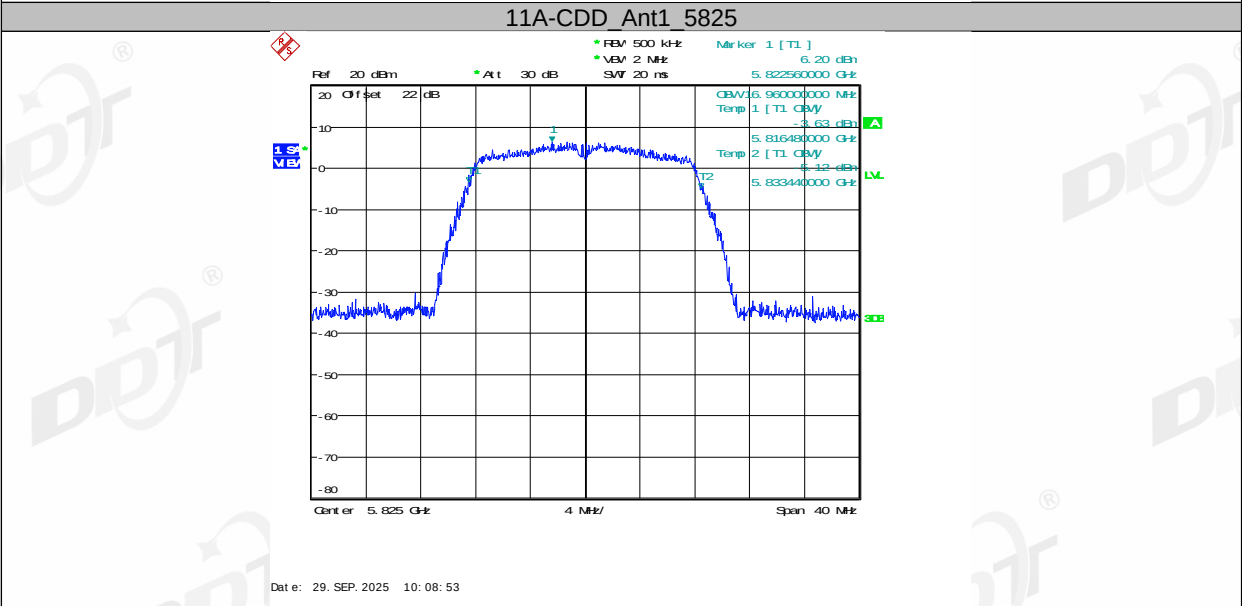
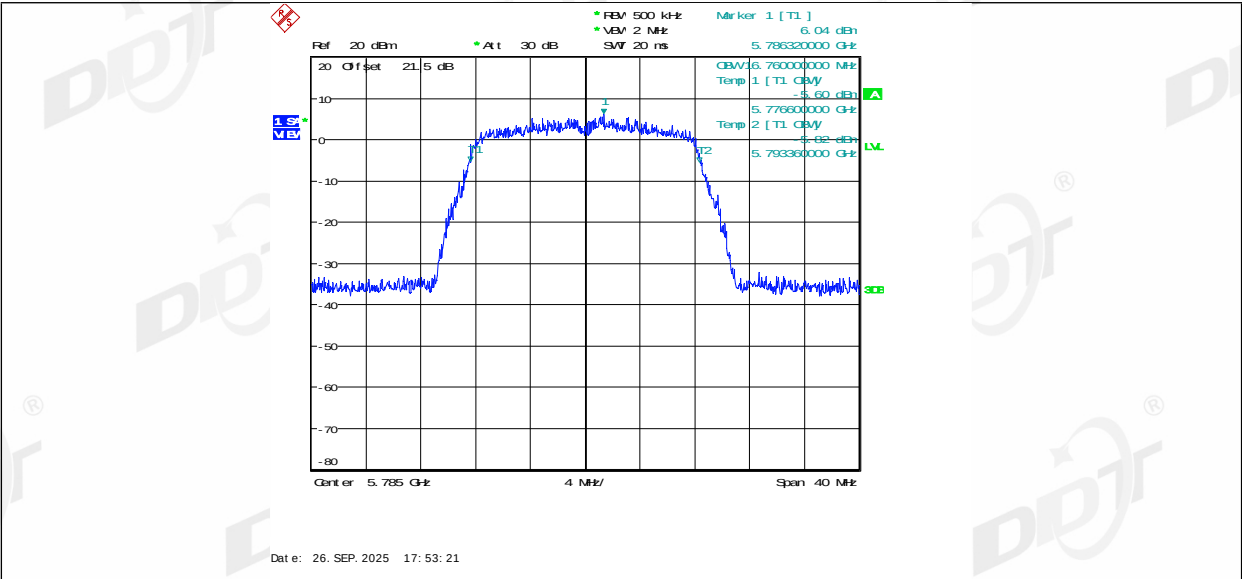
11A-CDD_Ant2_5745

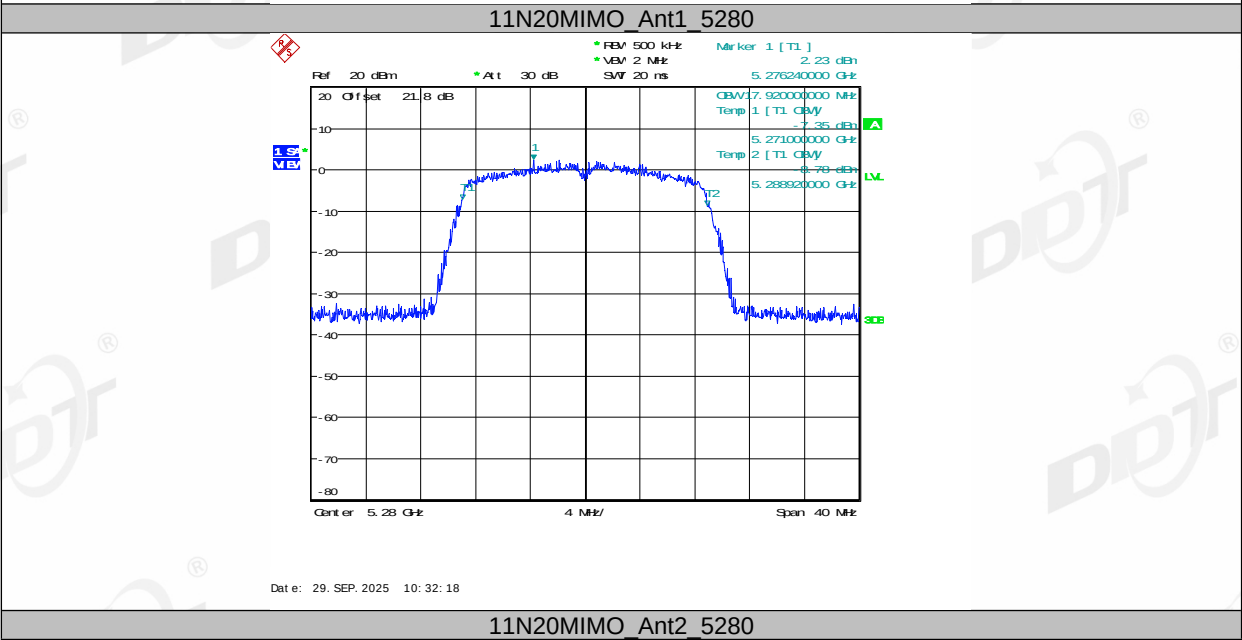
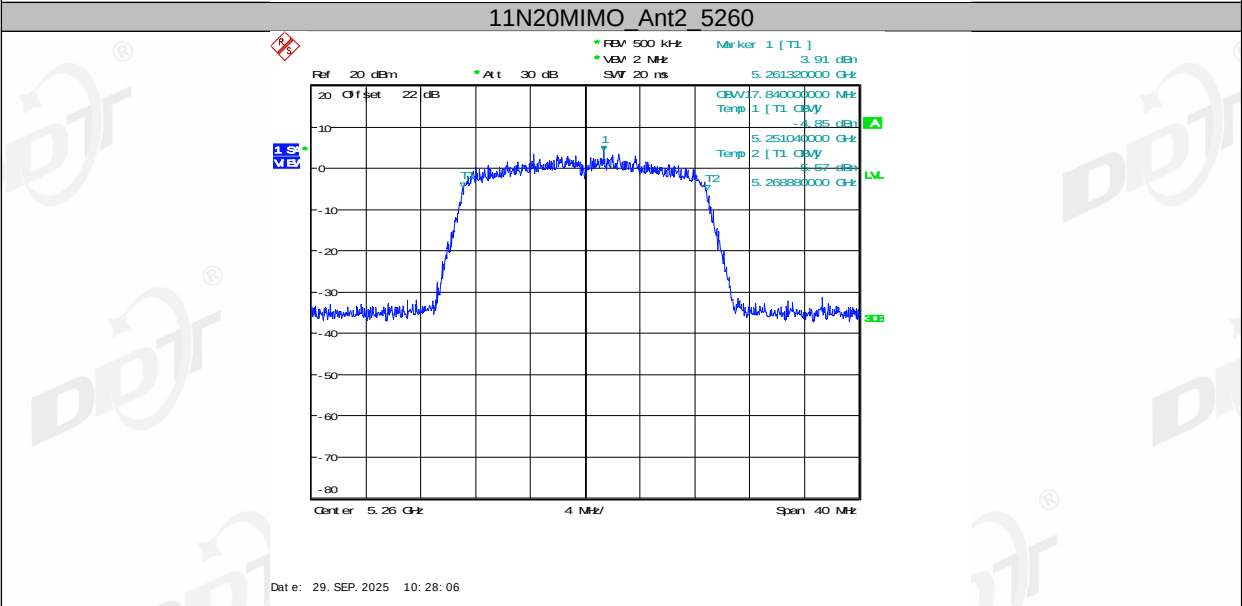
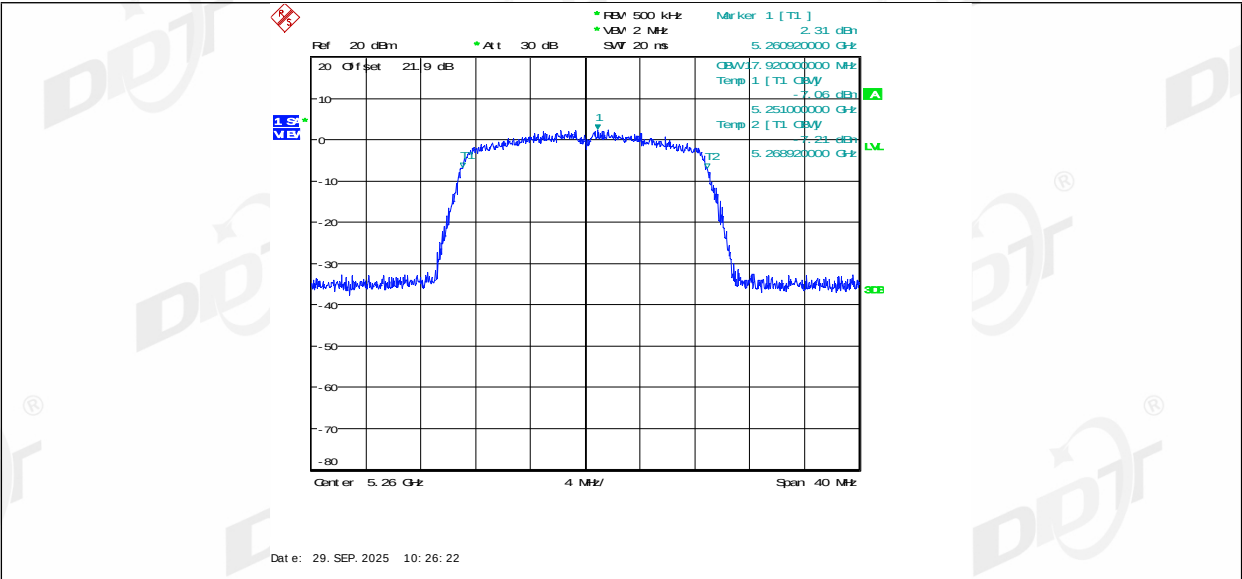


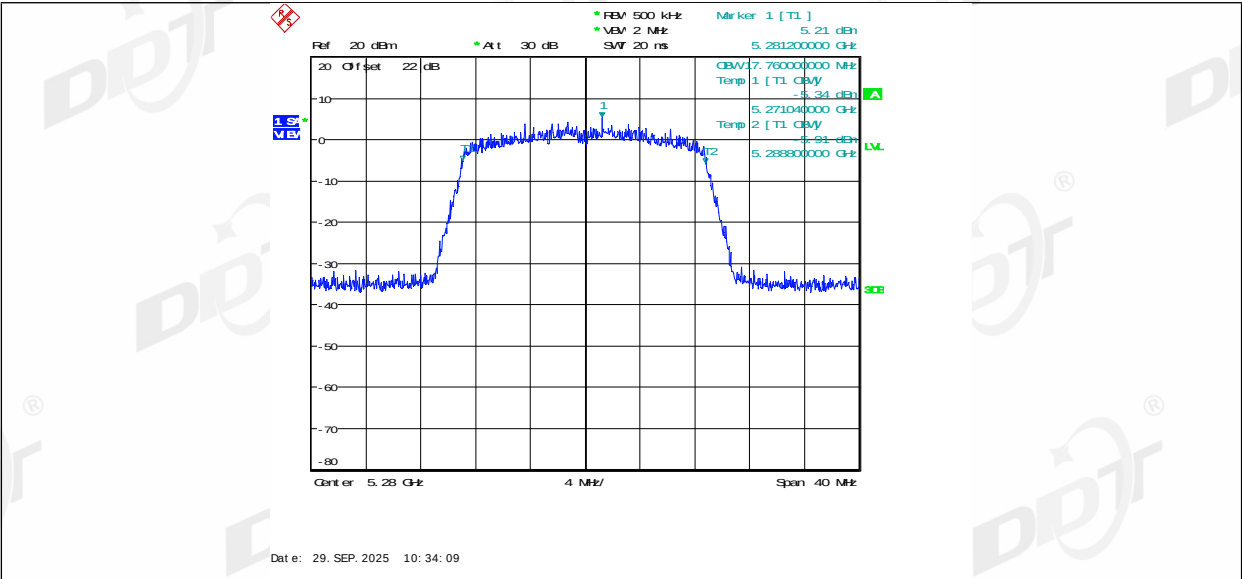
11A-CDD_Ant1_5785



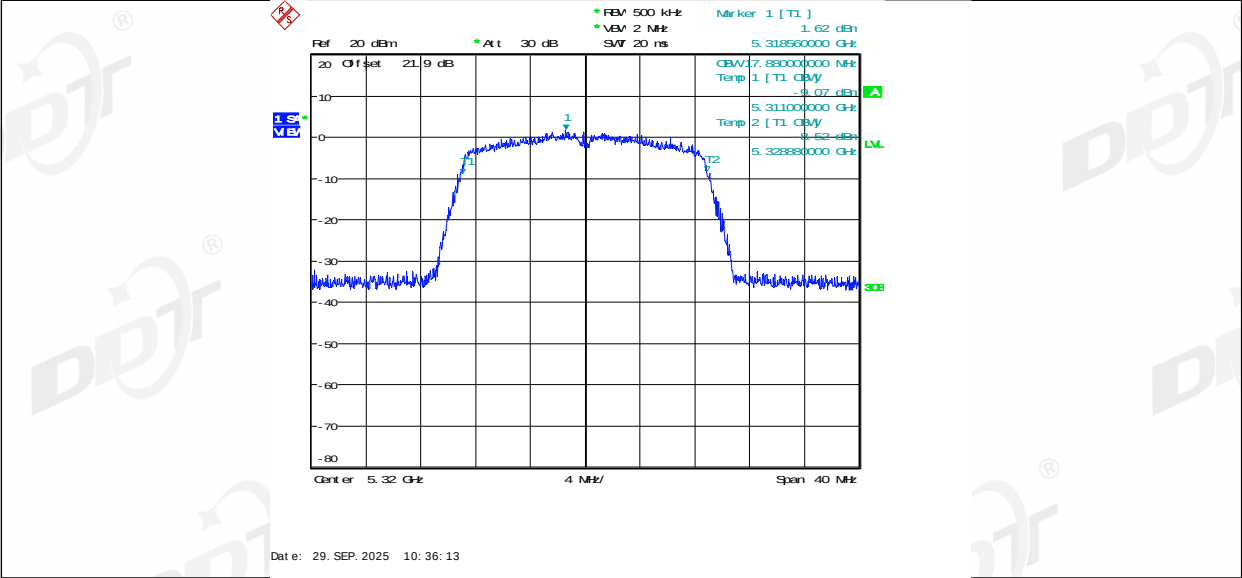
11A-CDD_Ant2_5785



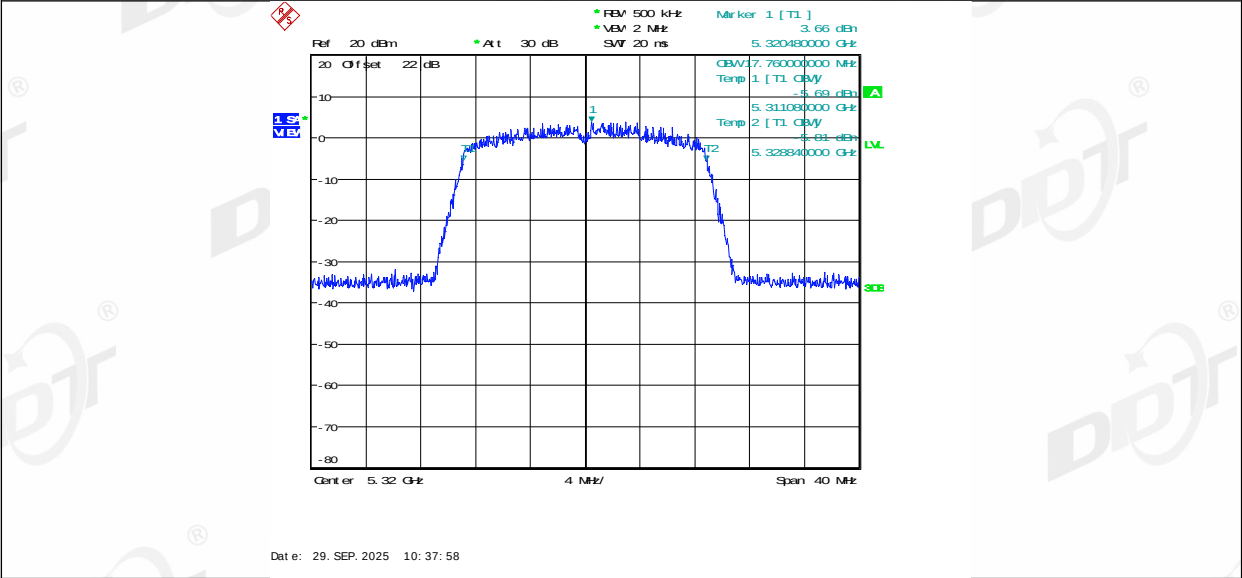




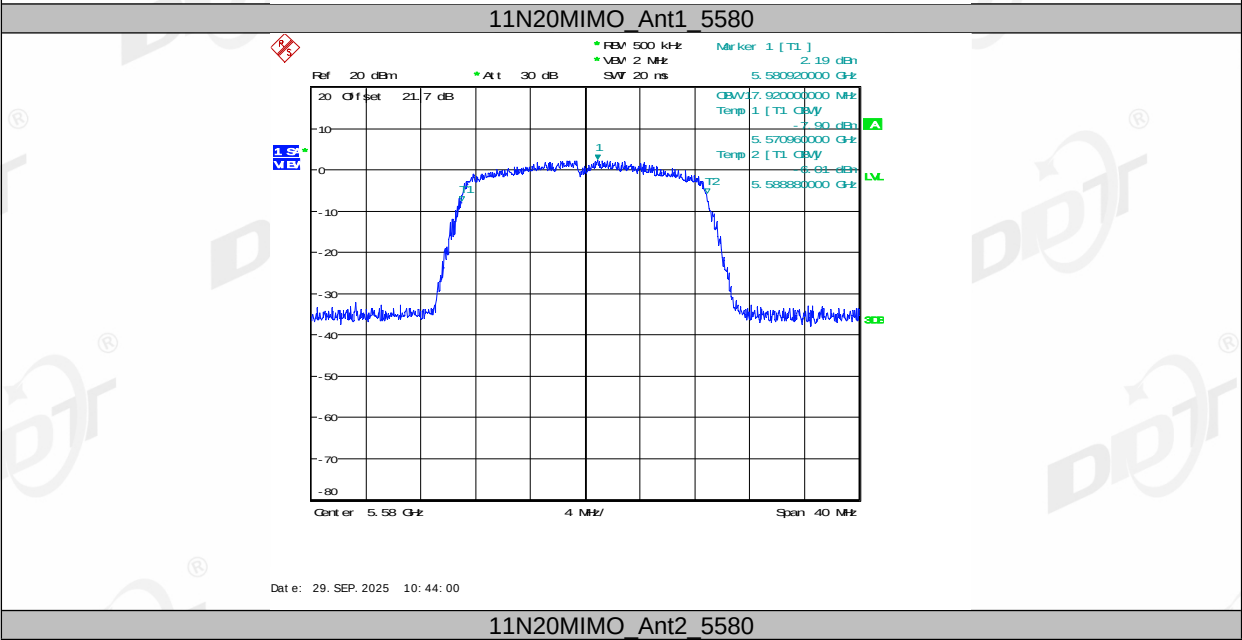
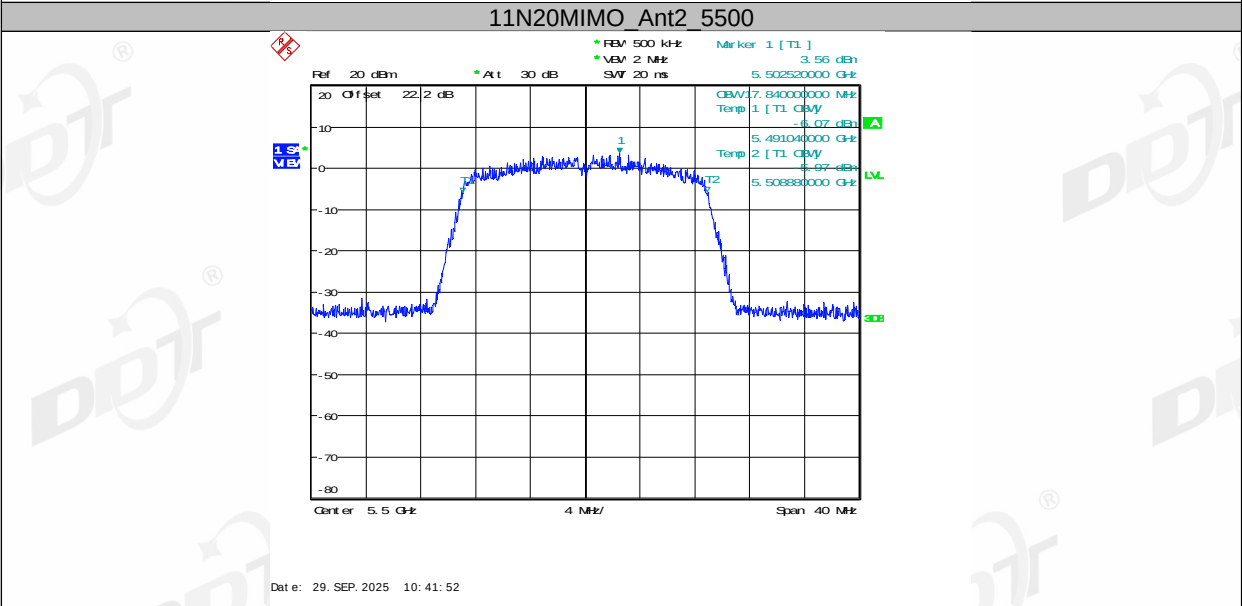
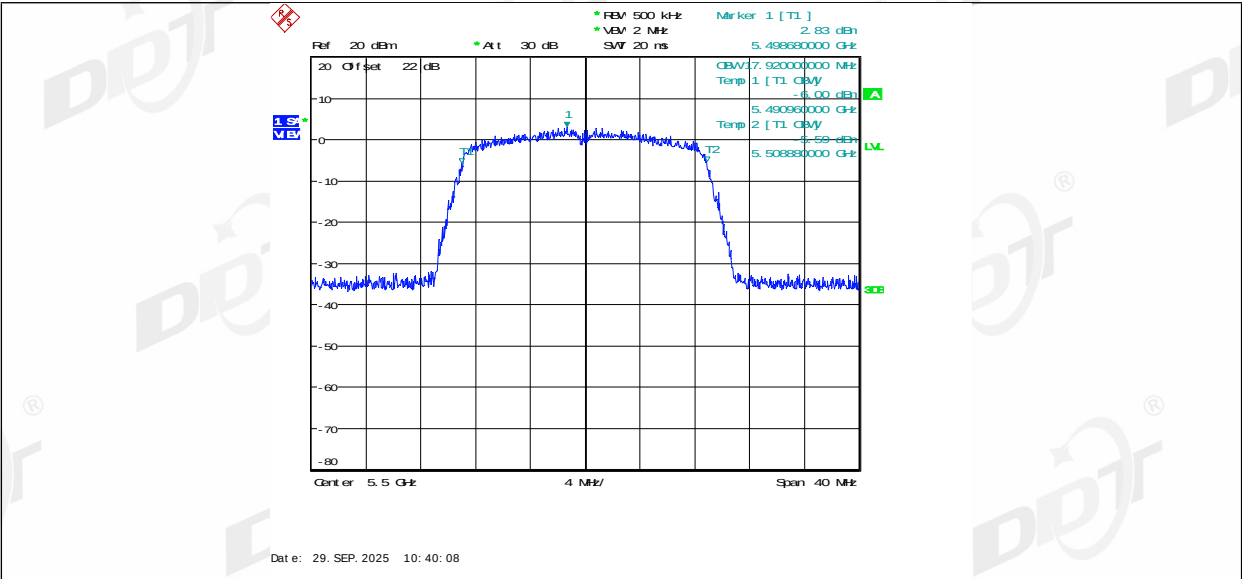
11N20MIMO_Ant1_5320

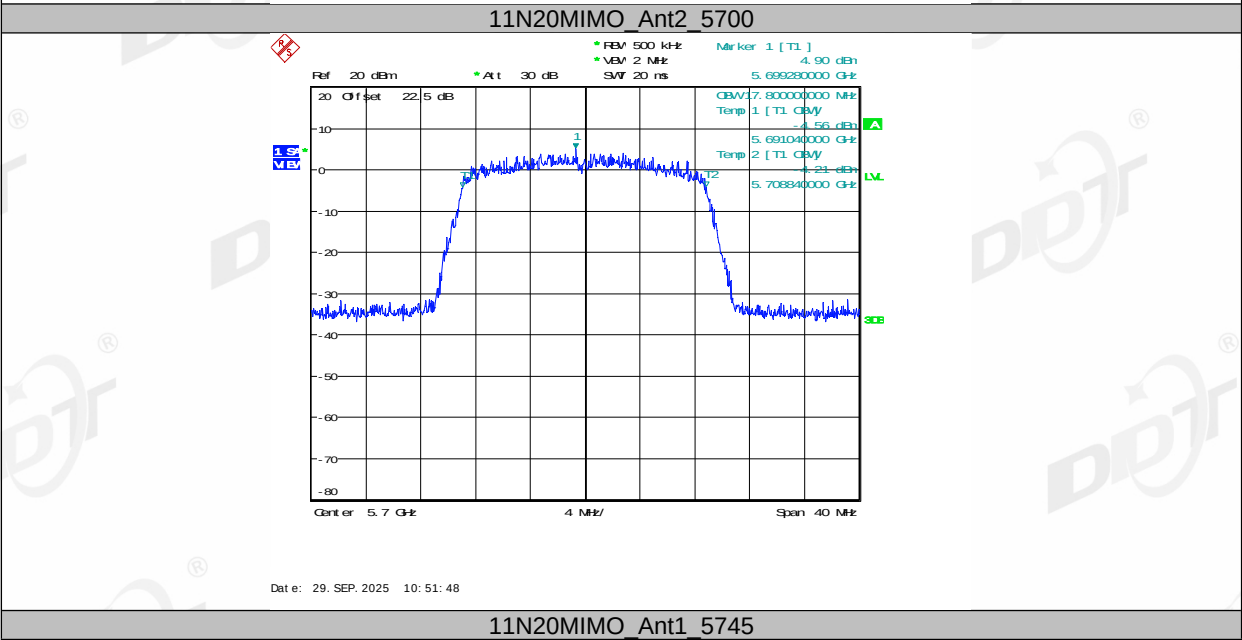
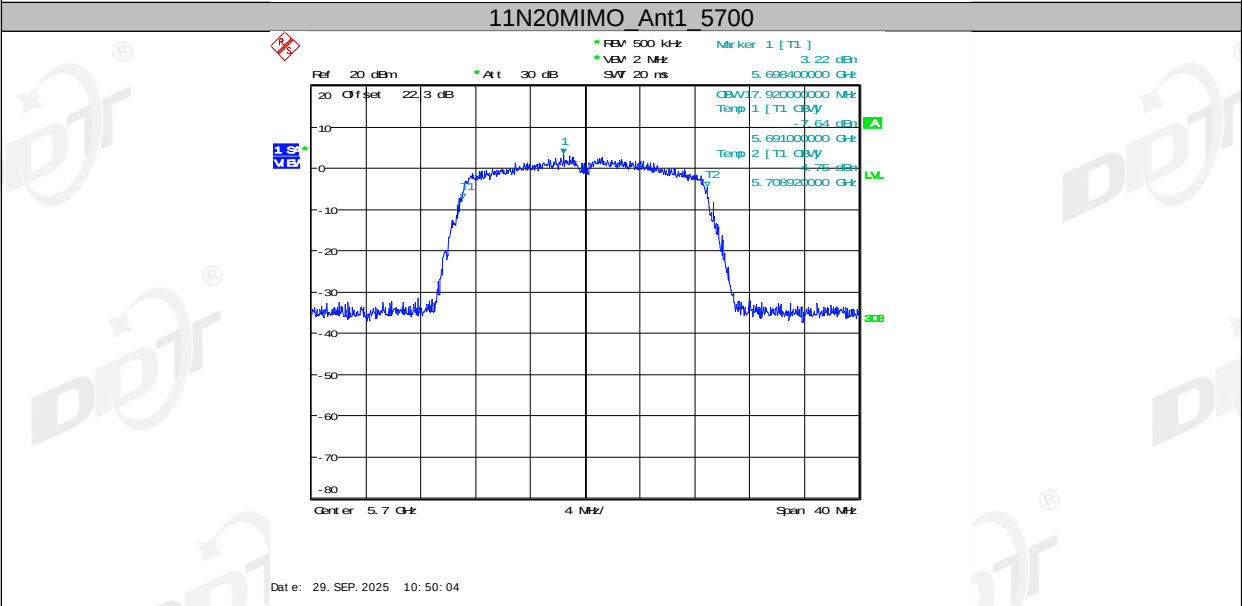
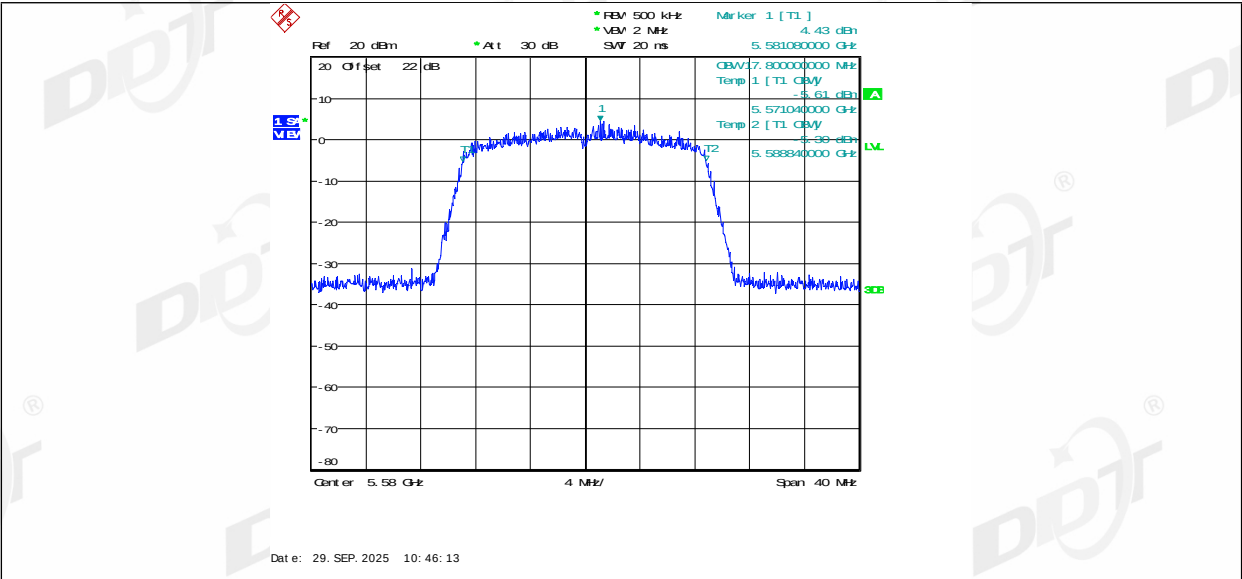


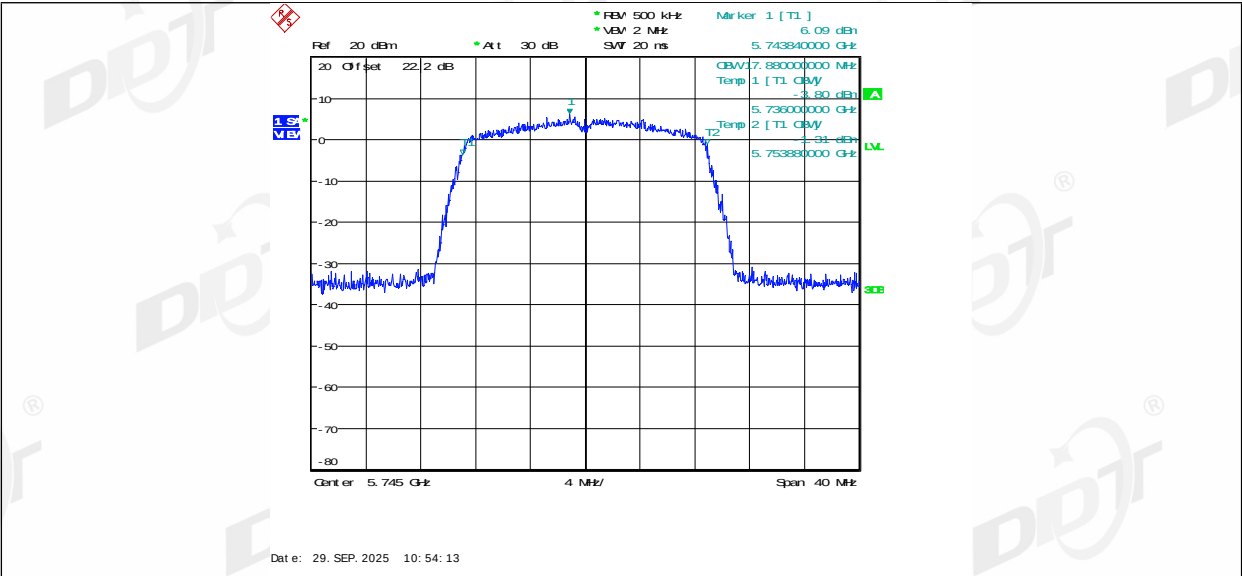
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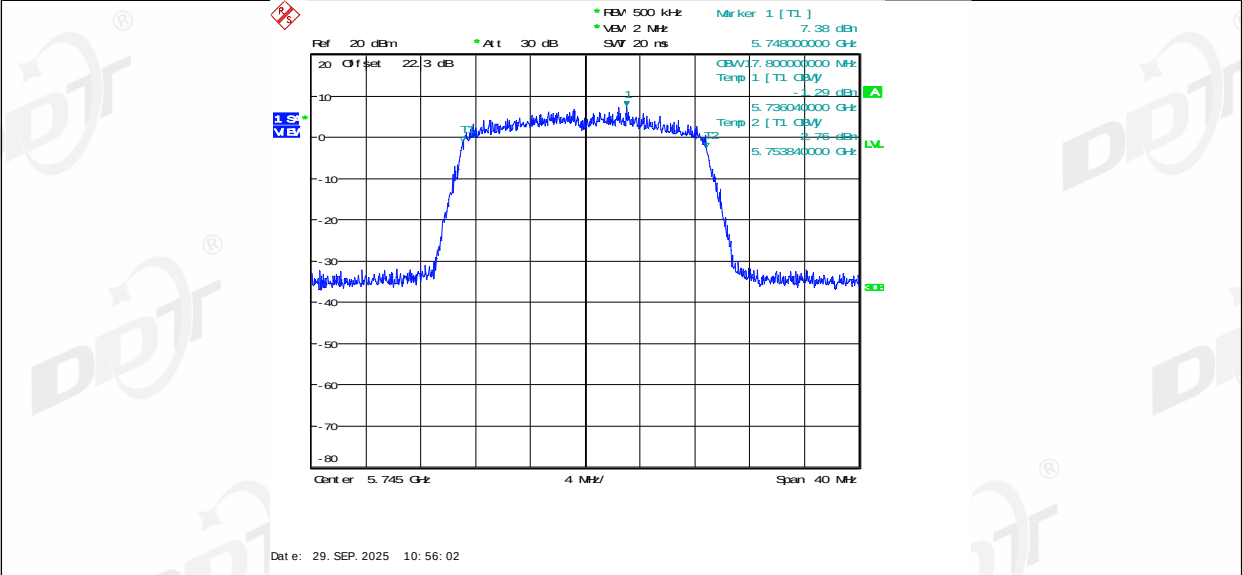
11N20MIMO_Ant1_5500



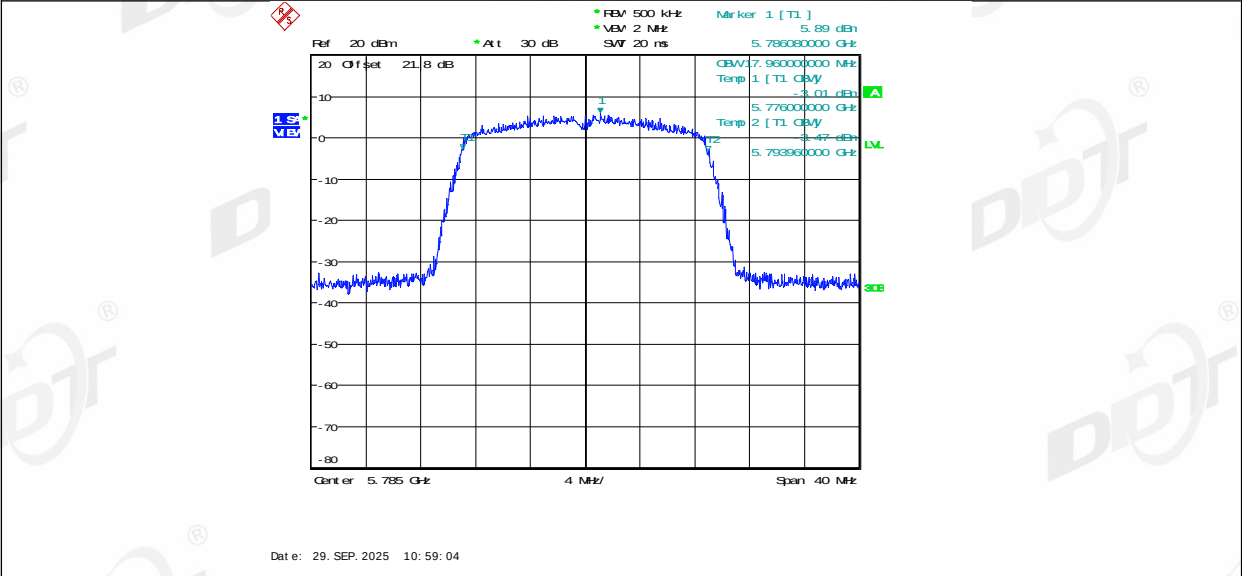




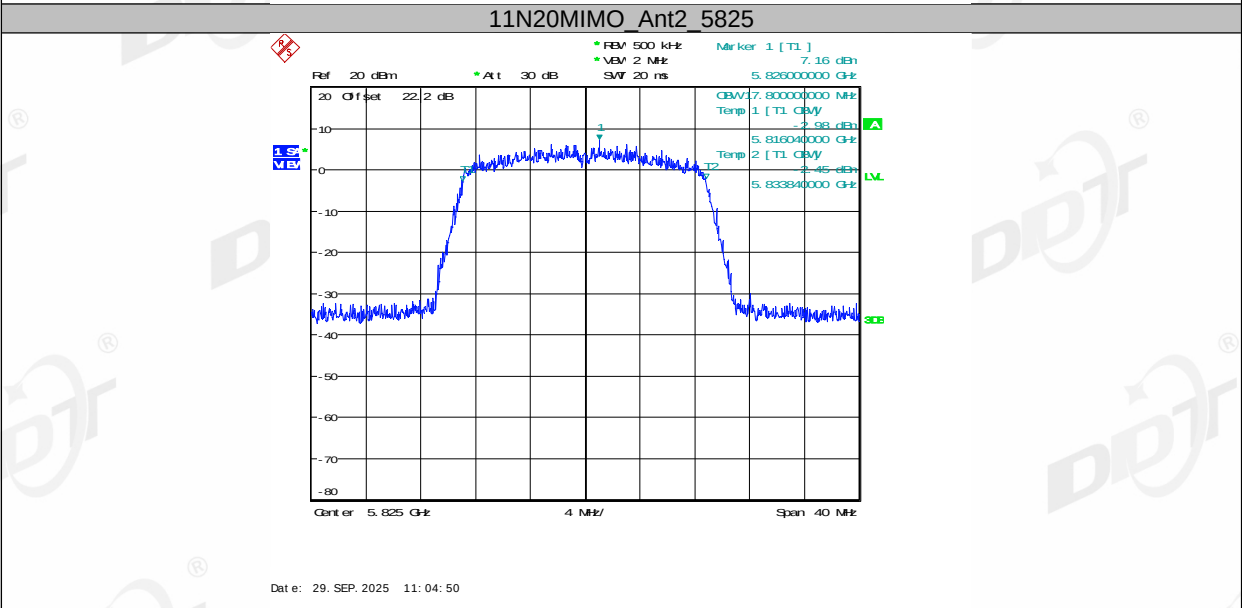
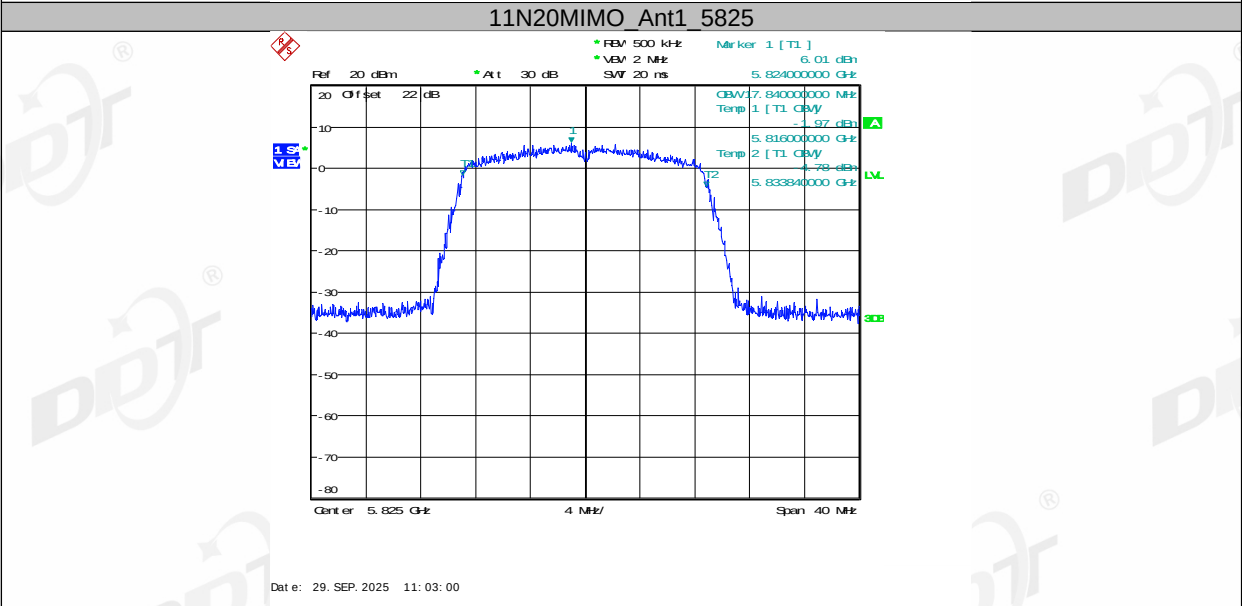
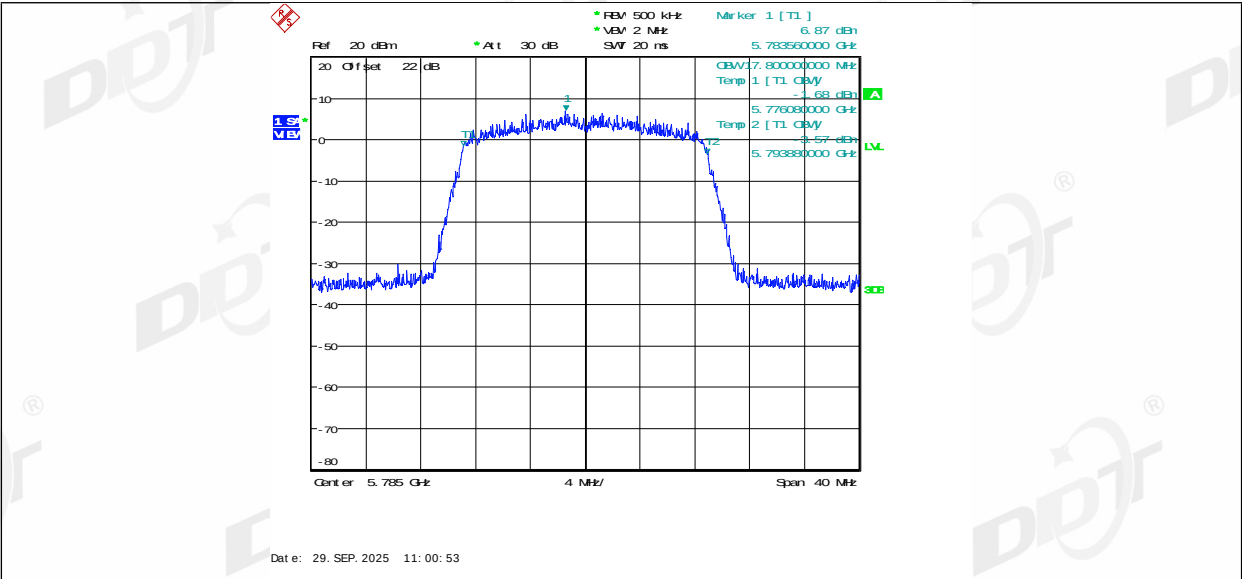
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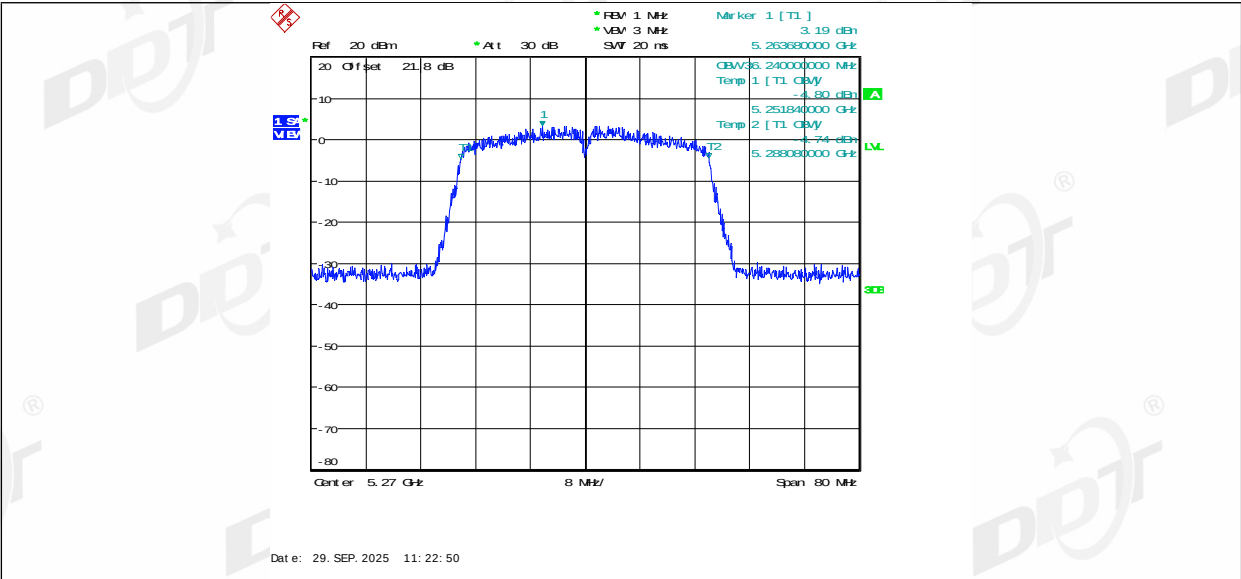


11N20MIMO_Ant1_5785

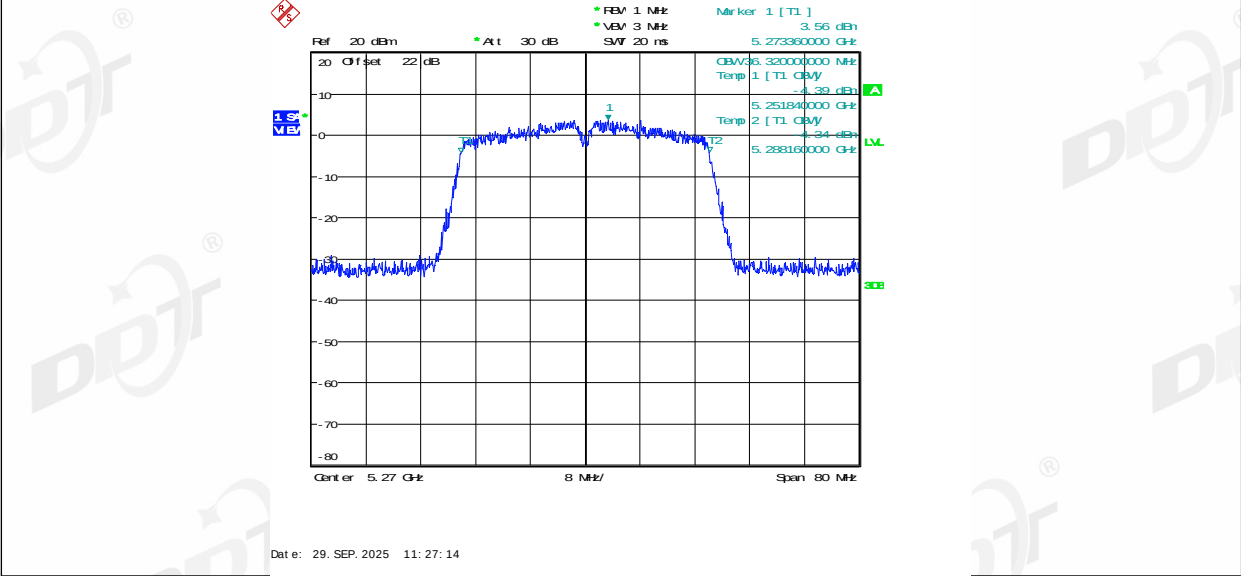


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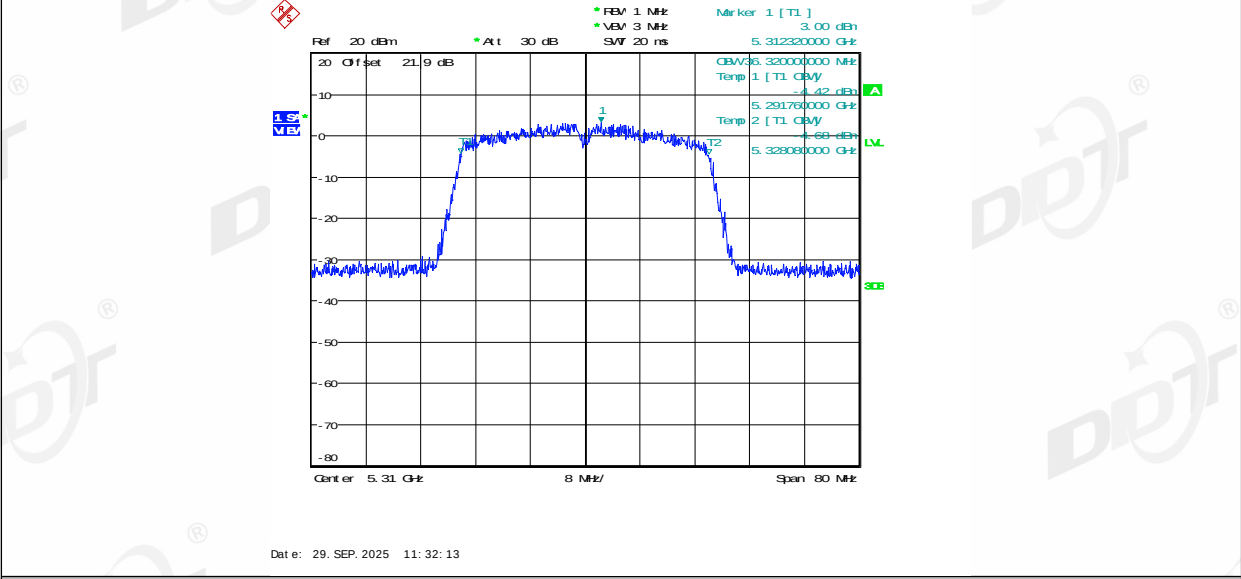




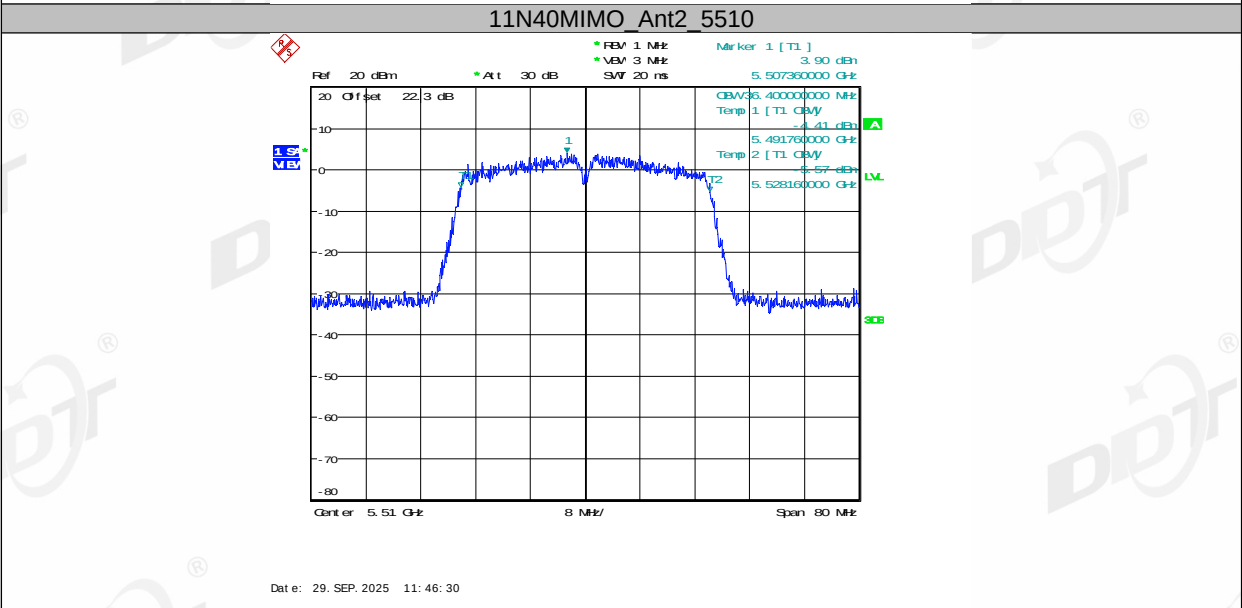
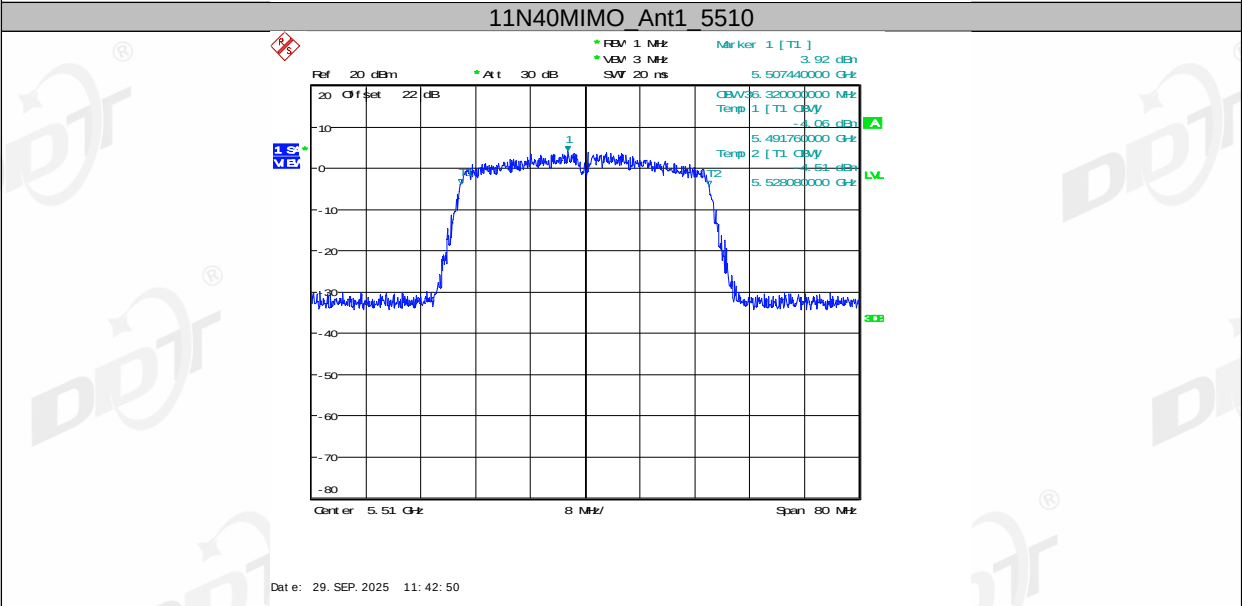
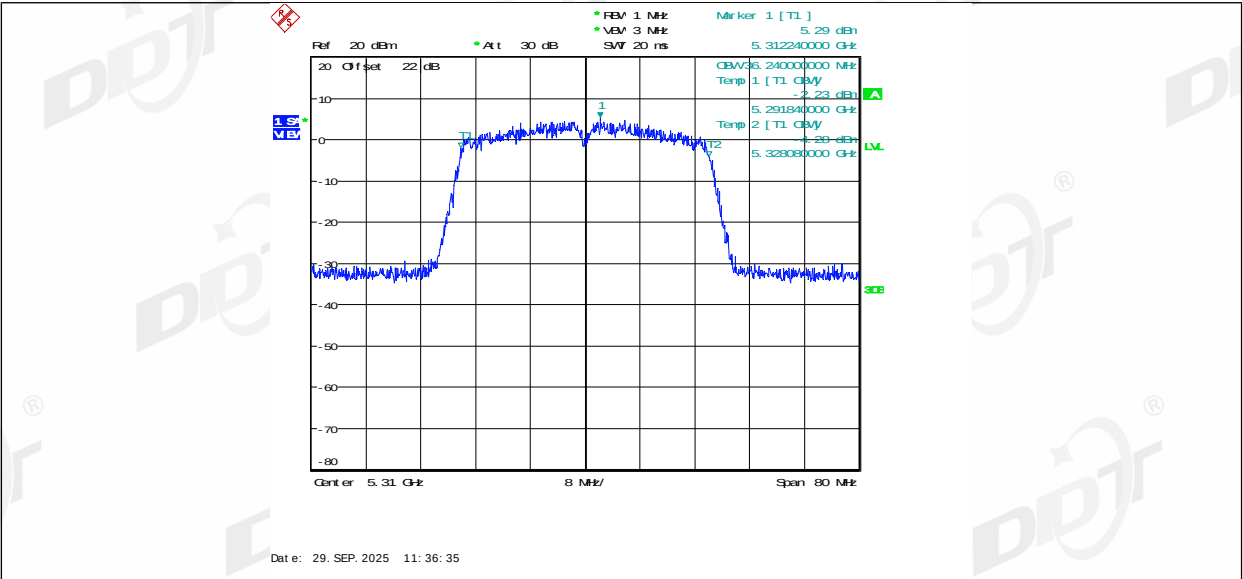
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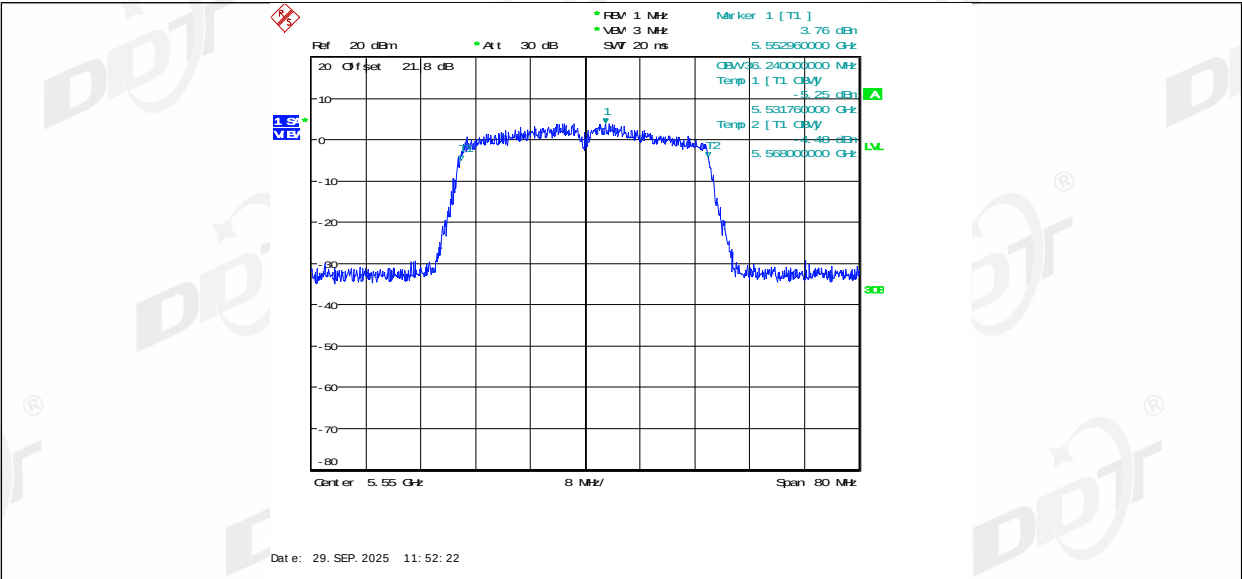


11N40MIMO_Ant1_5310

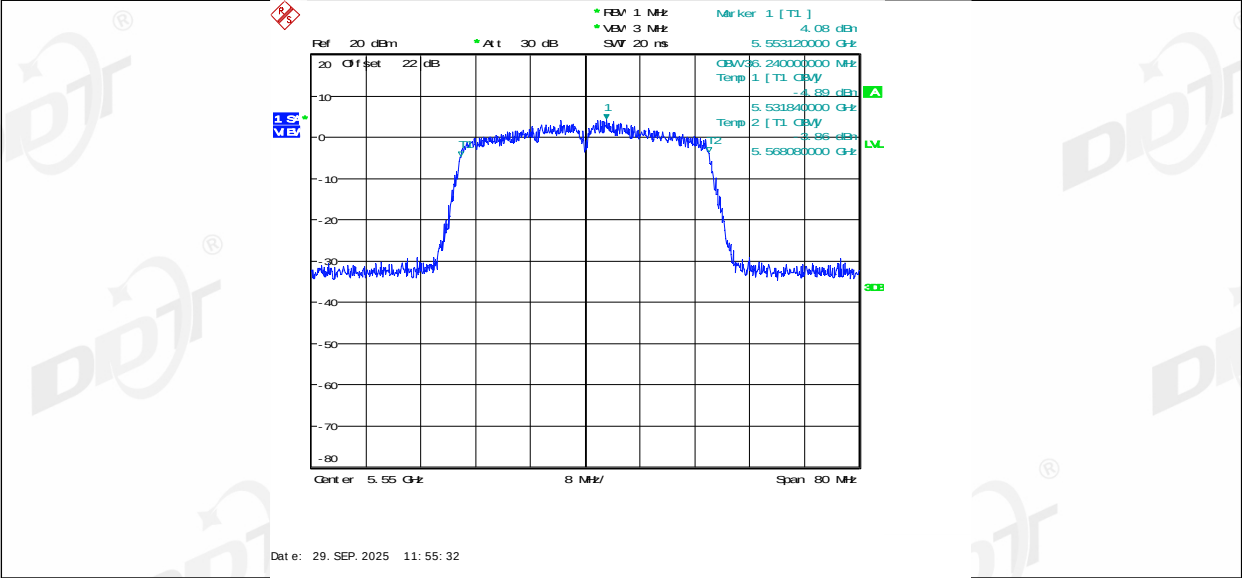


11N40MIMO_Ant2_5310

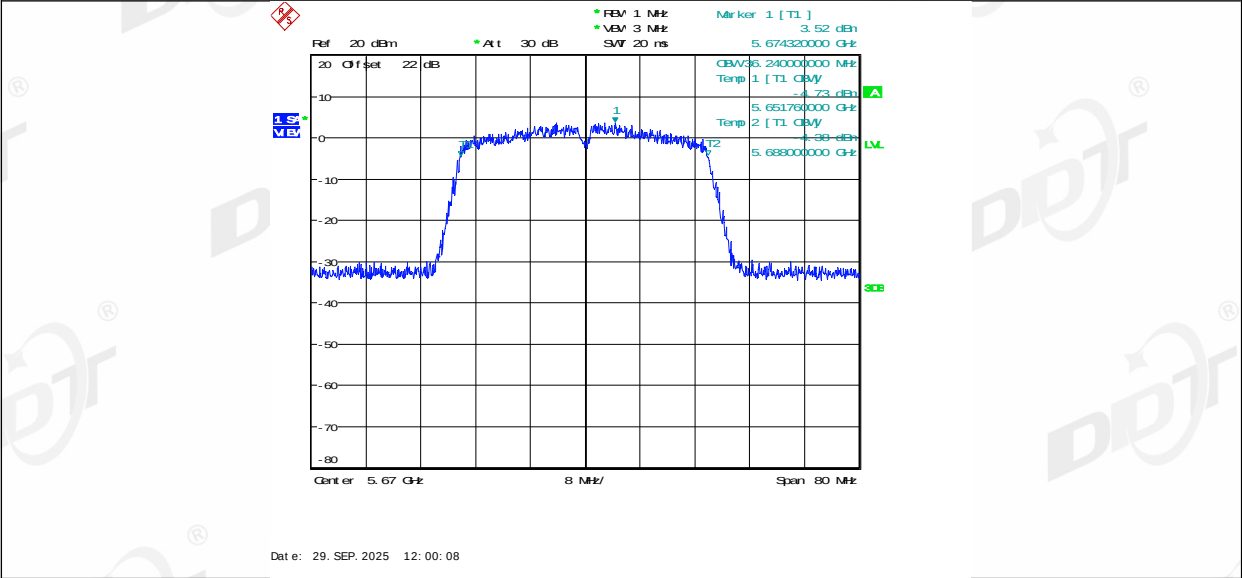




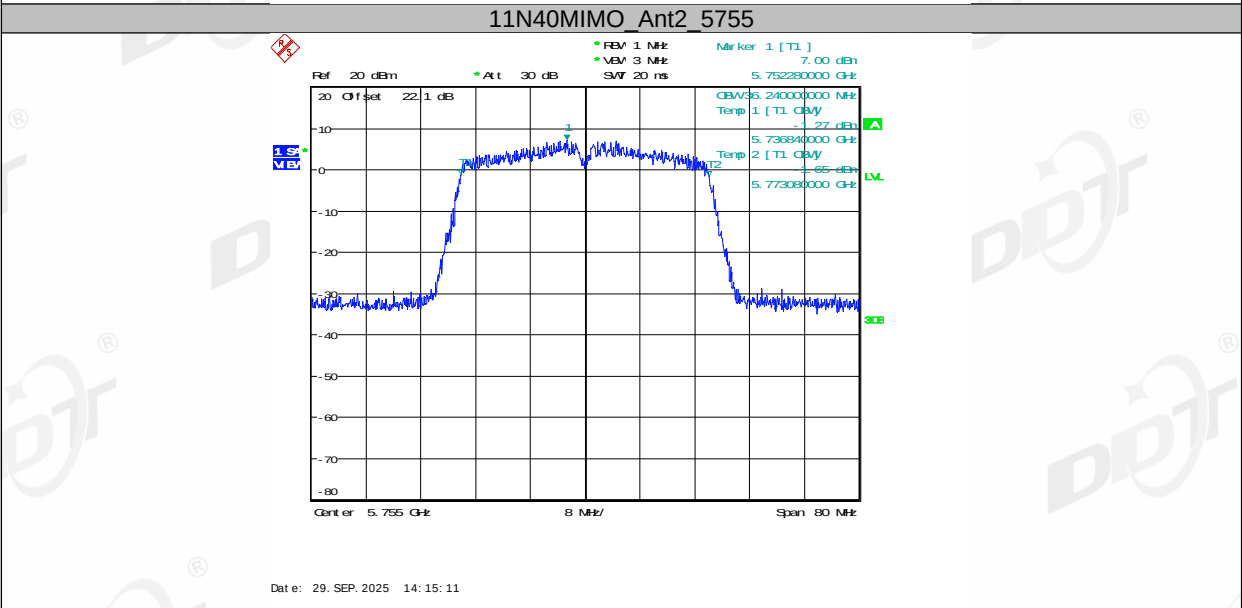
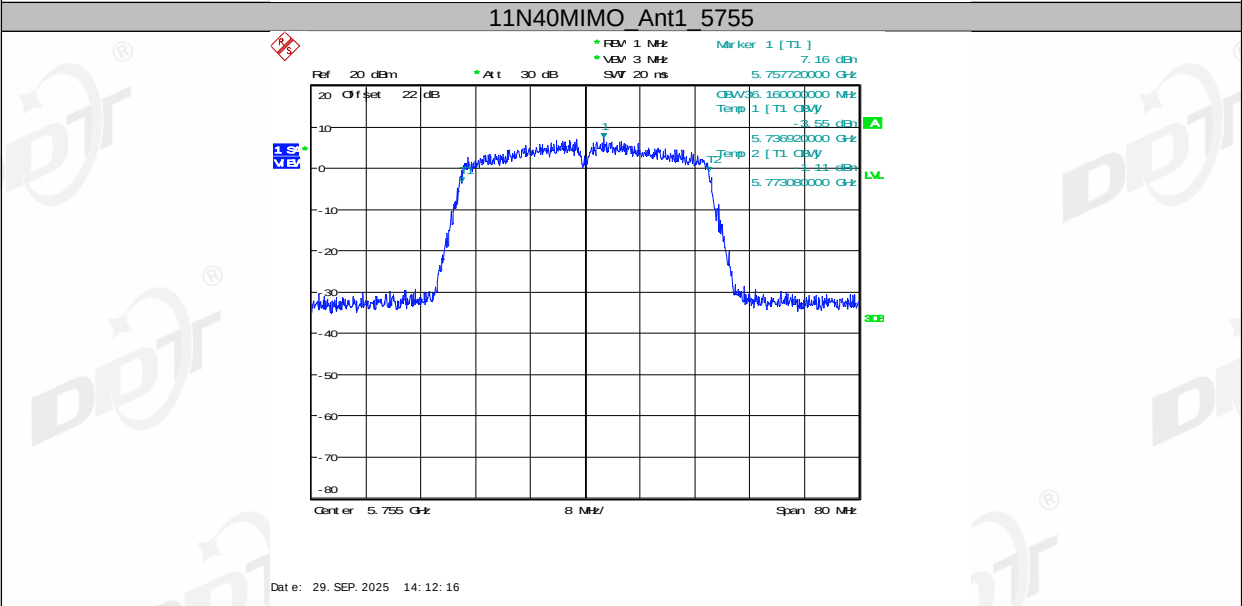
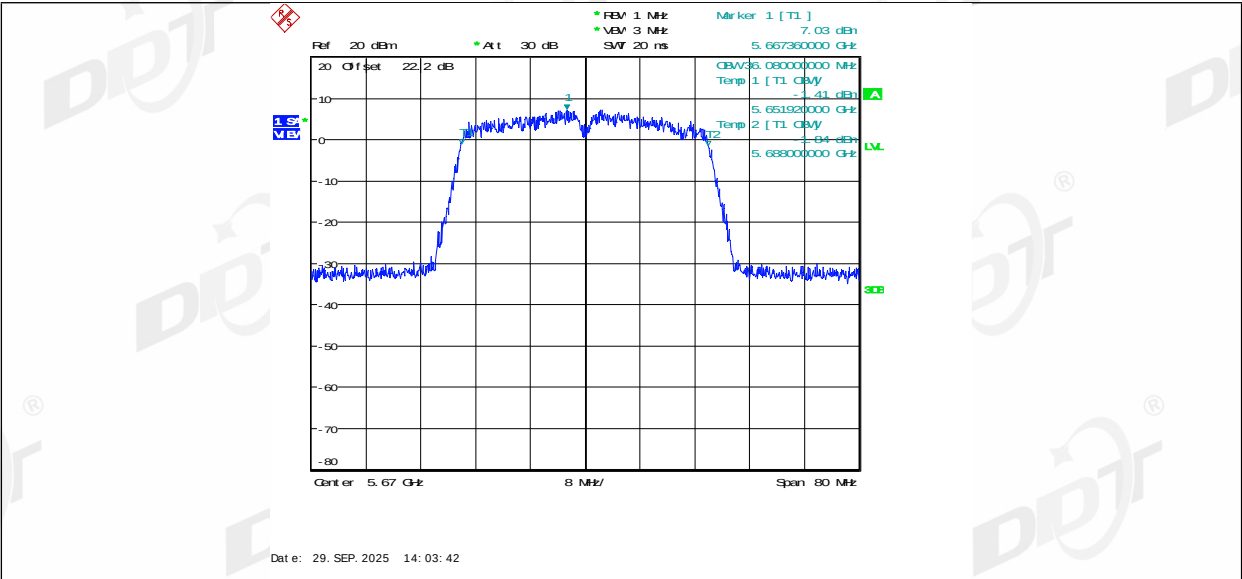
11N40MIMO_Ant2_5550

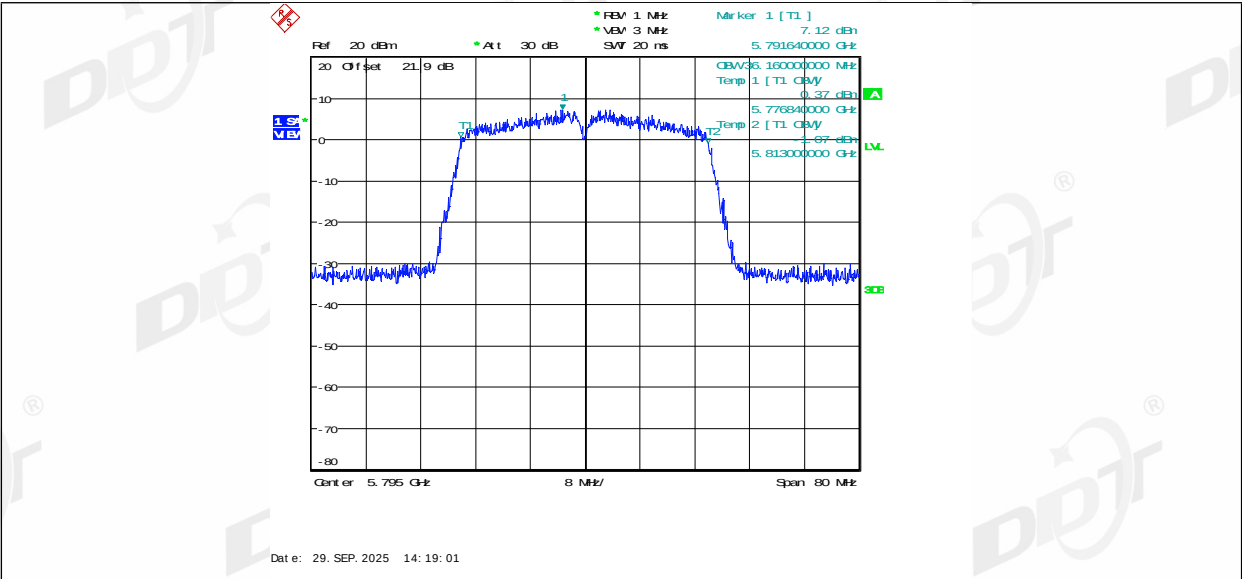


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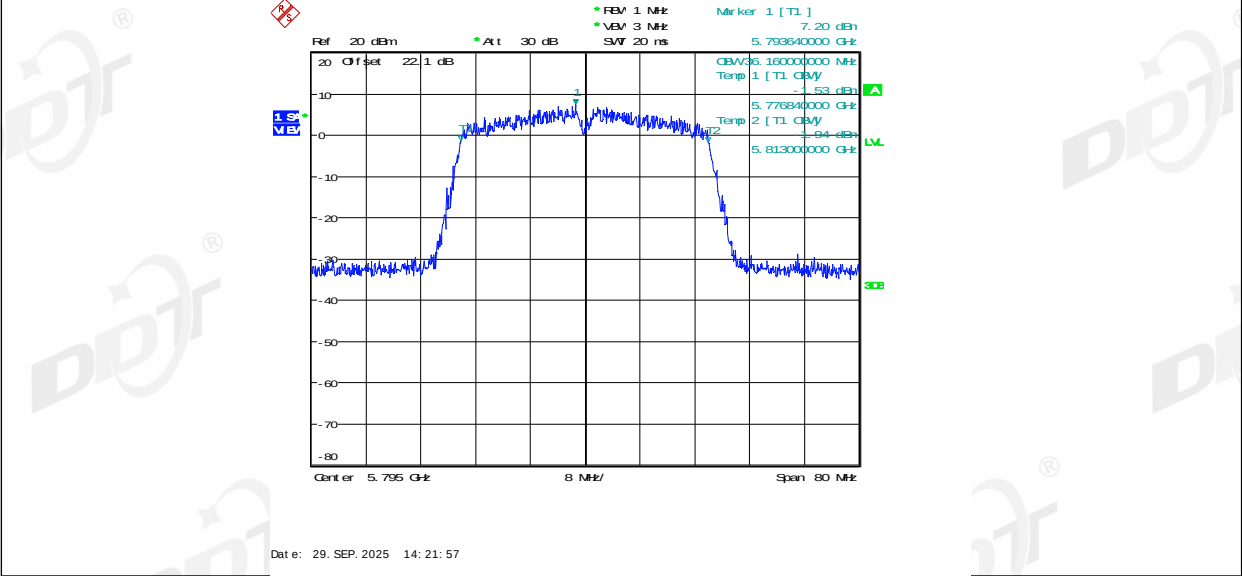


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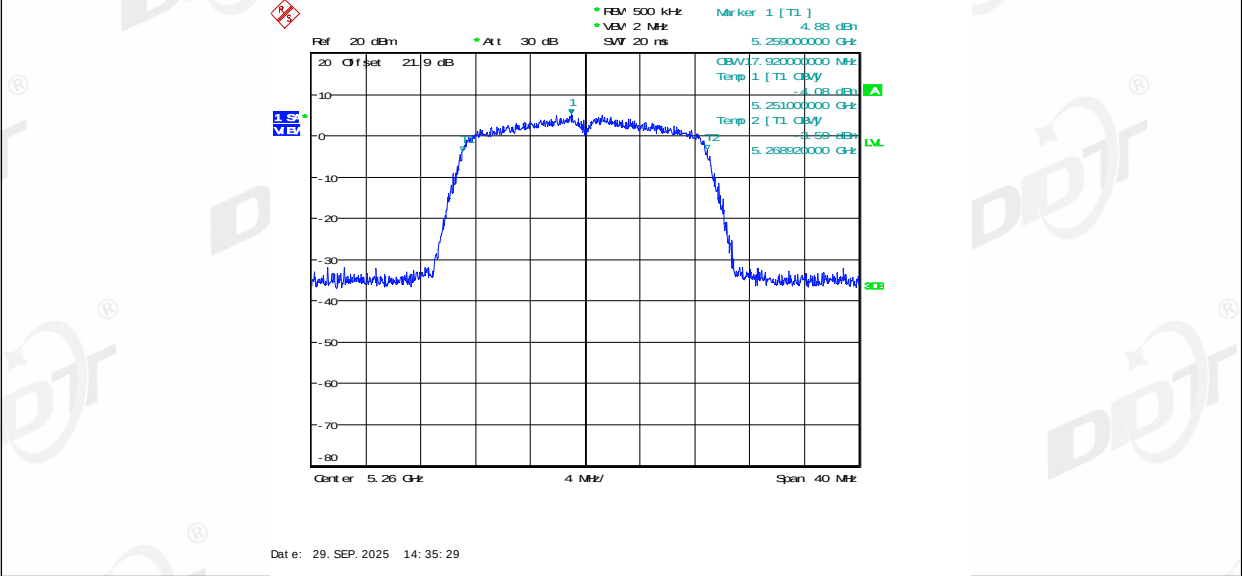




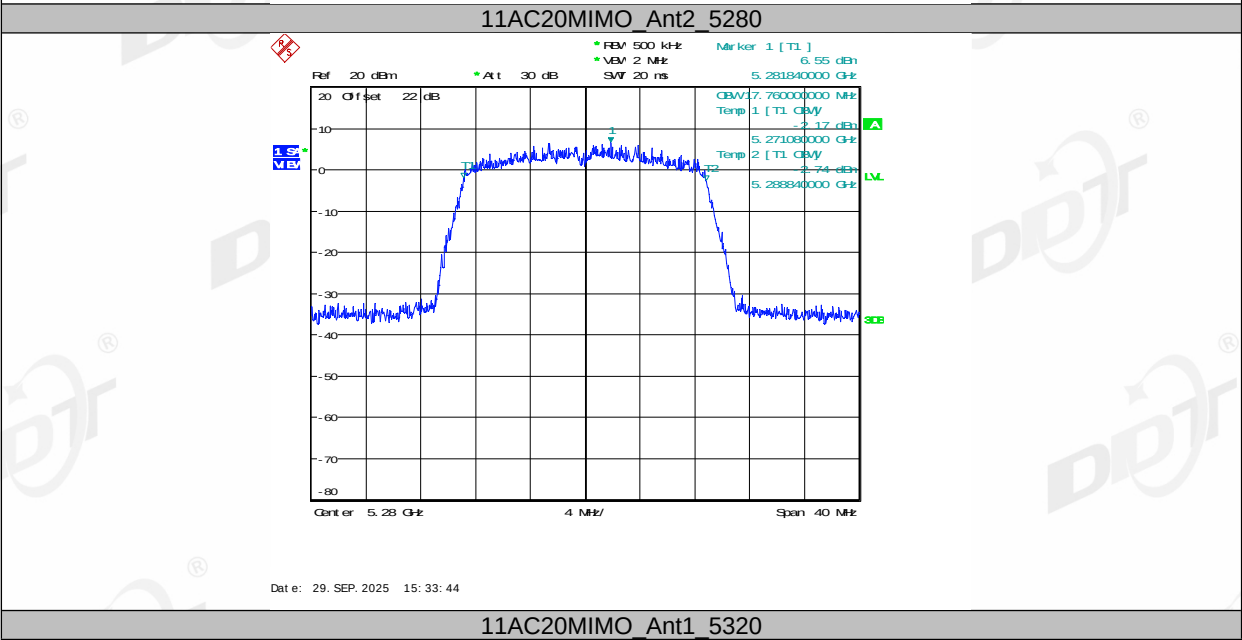
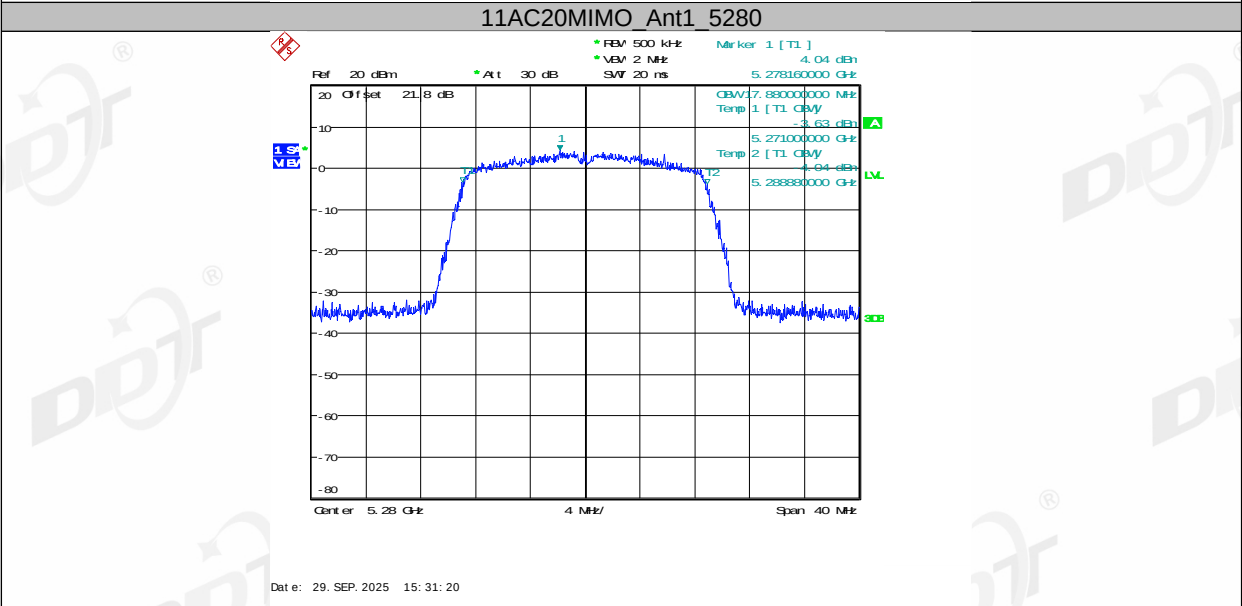
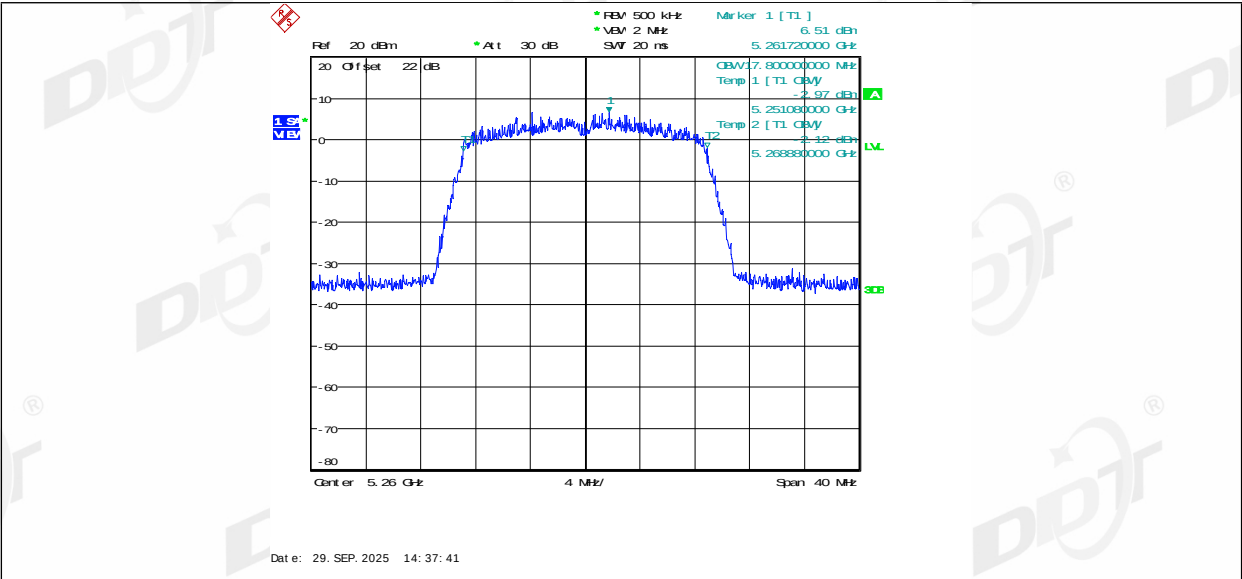
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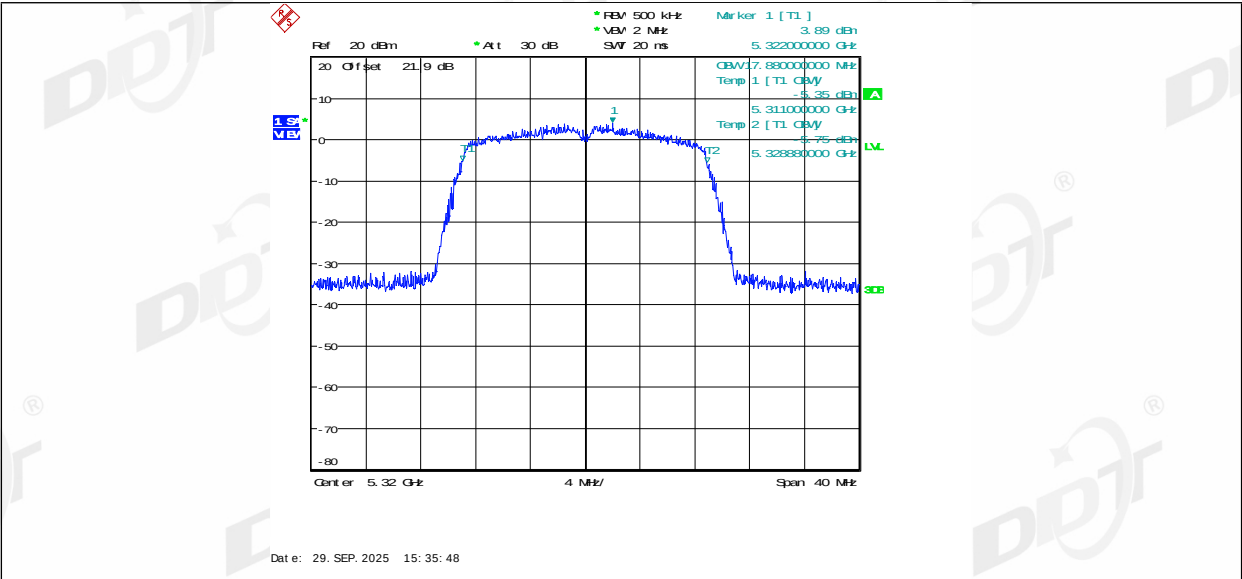


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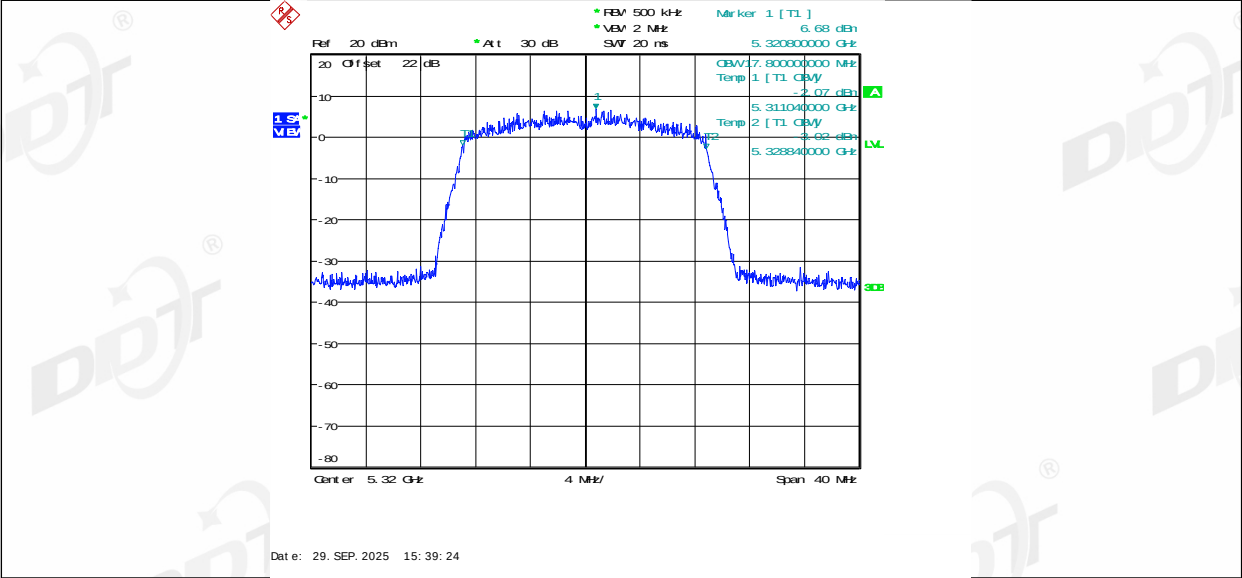


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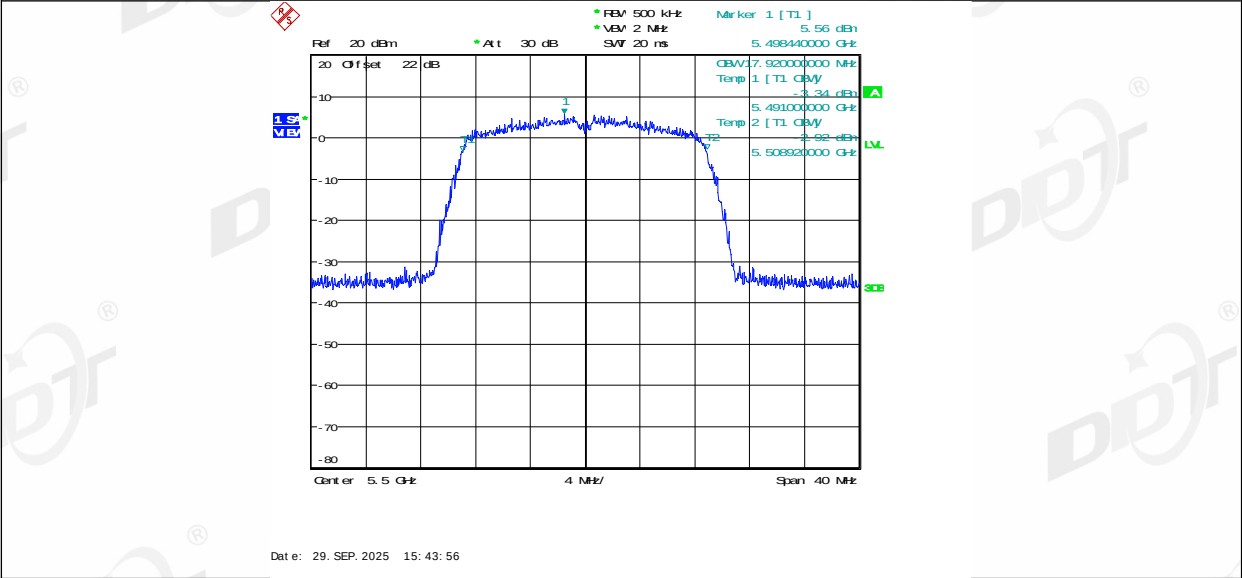




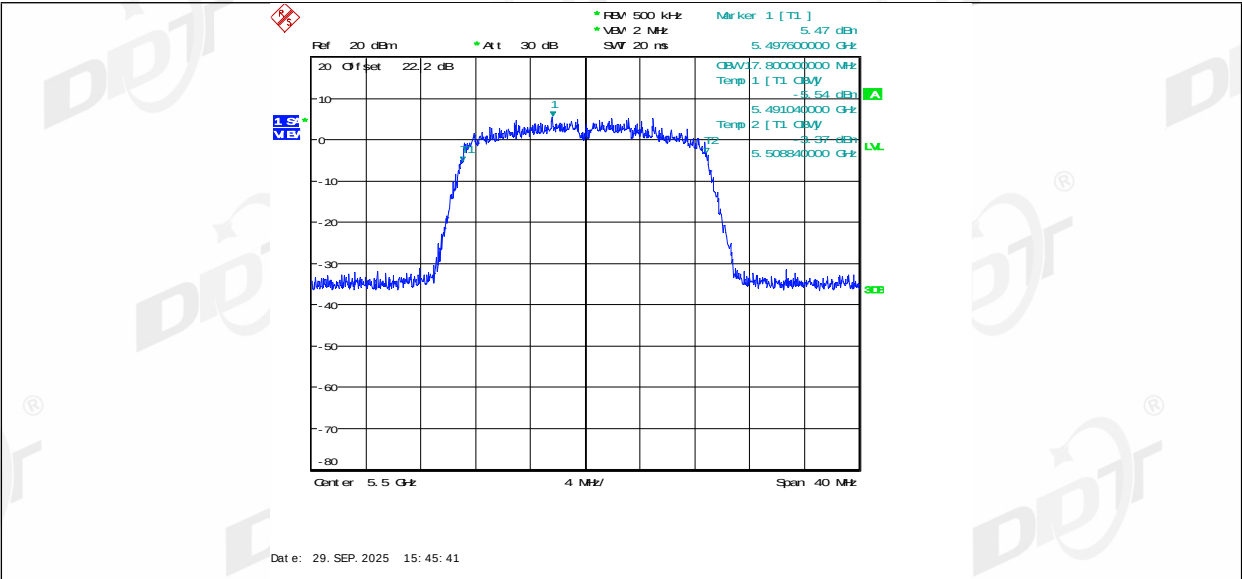
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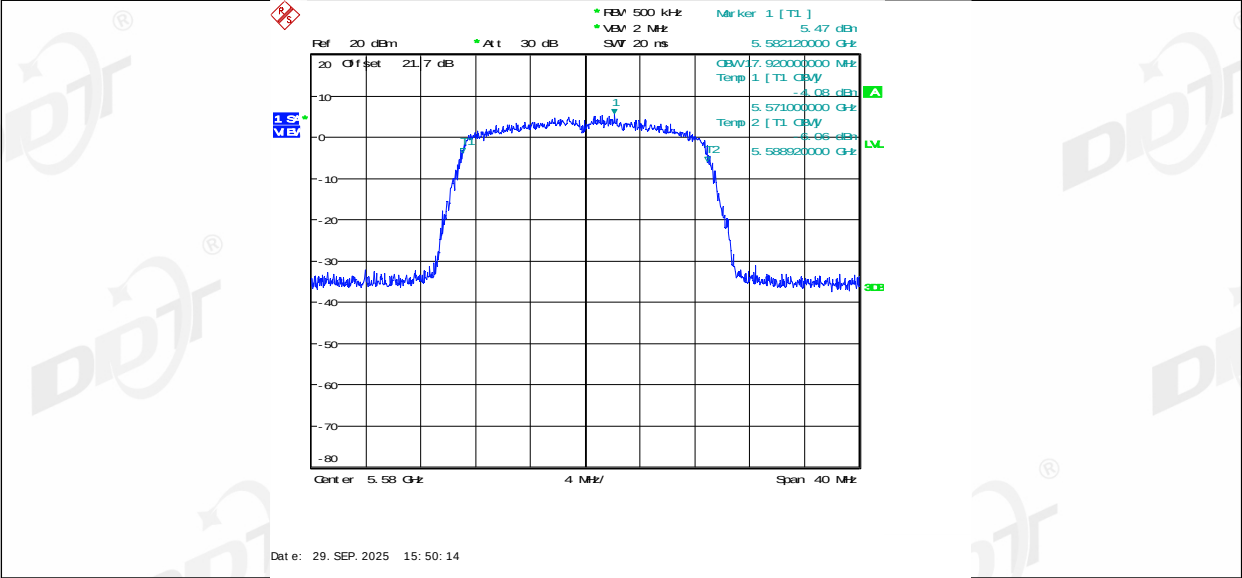
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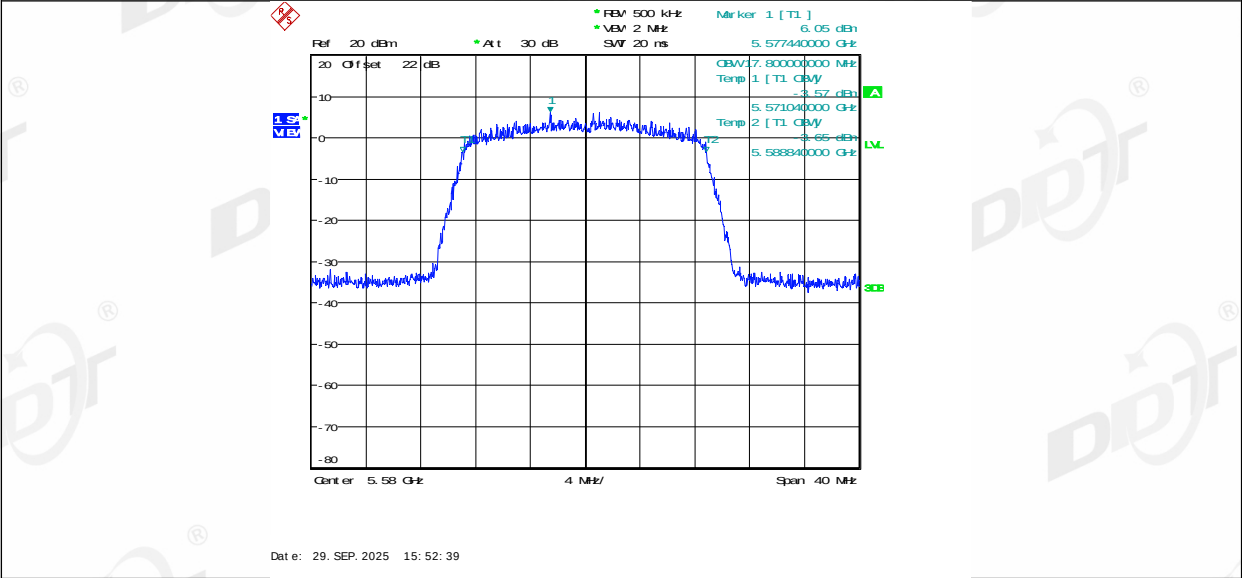
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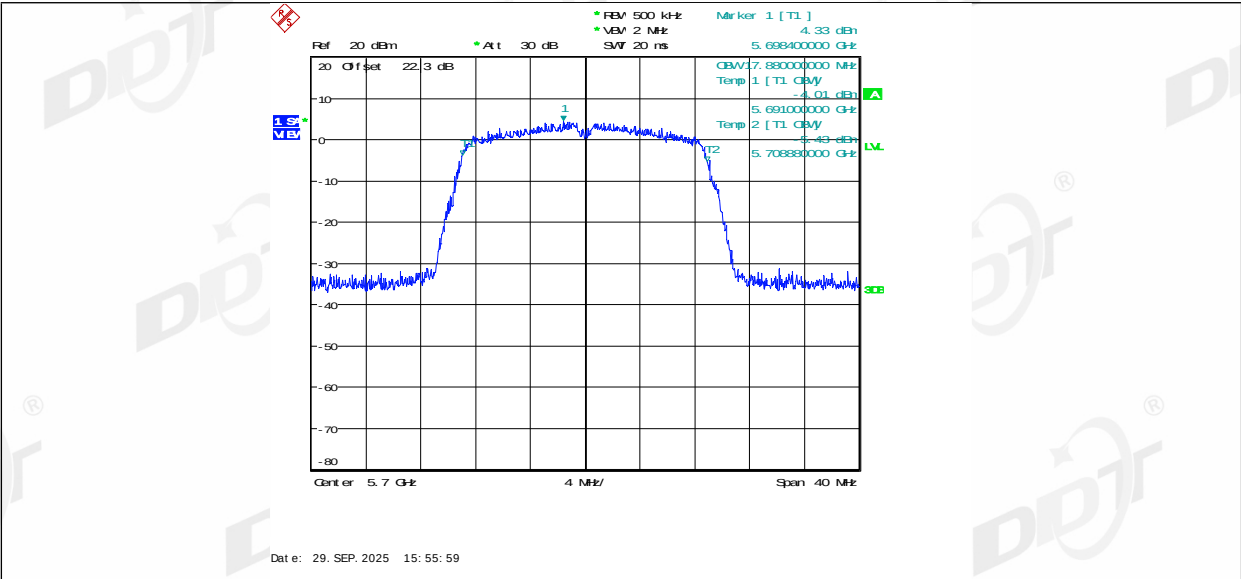
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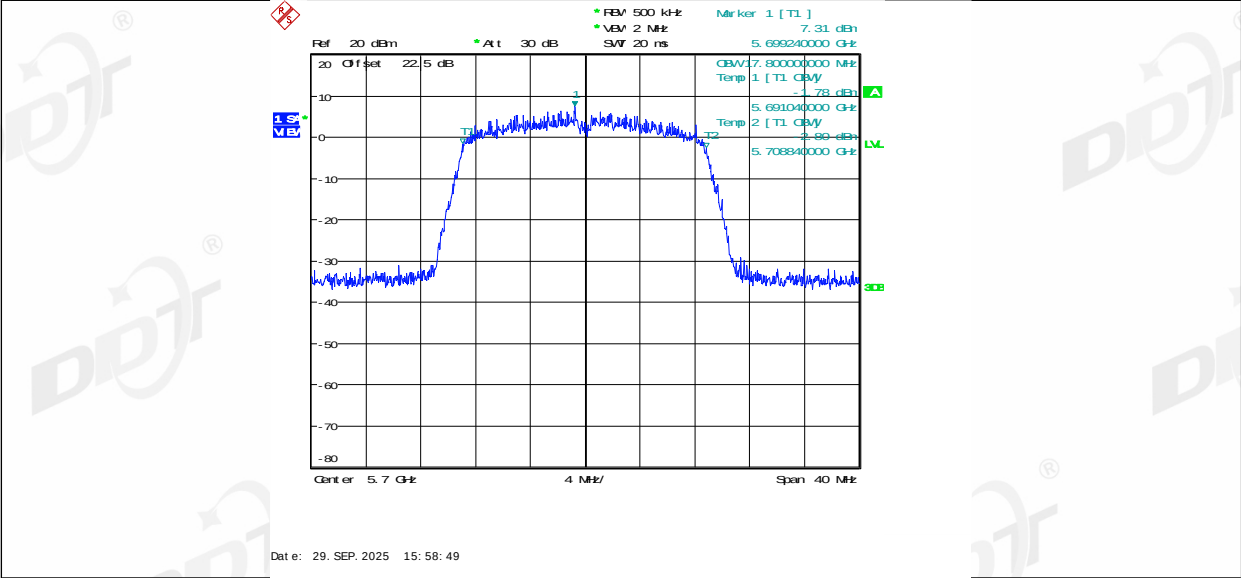
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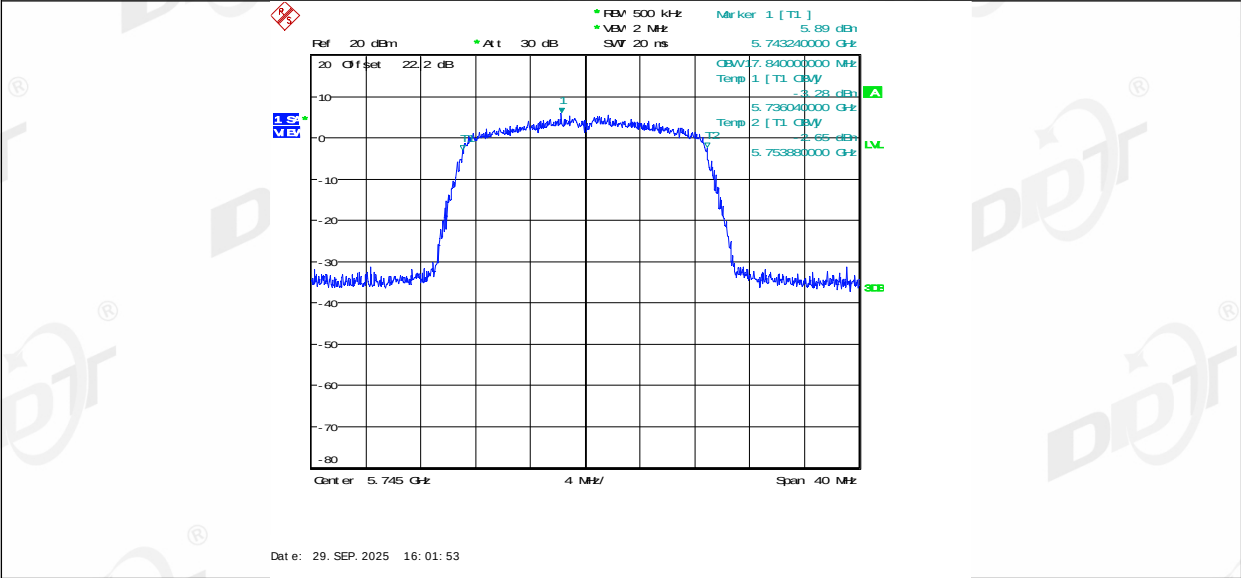
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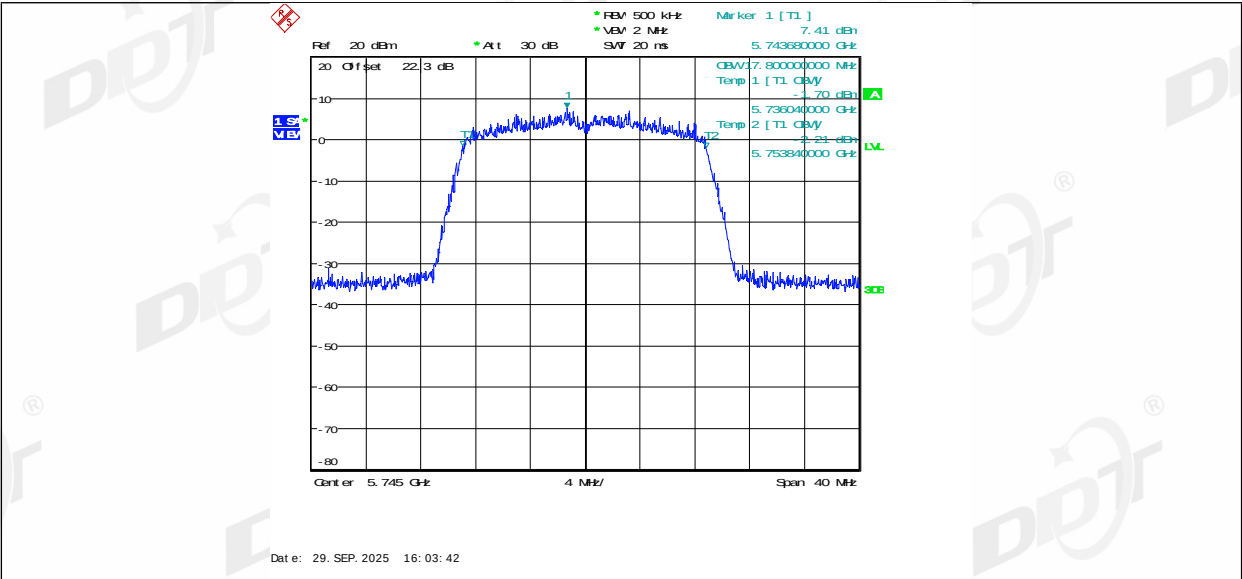
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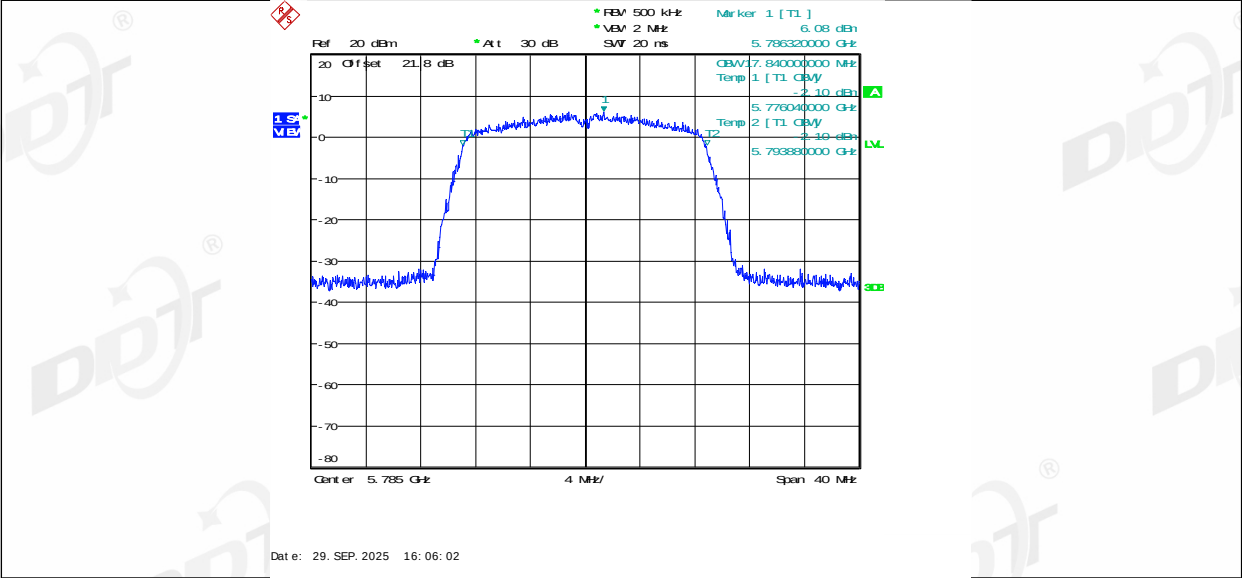
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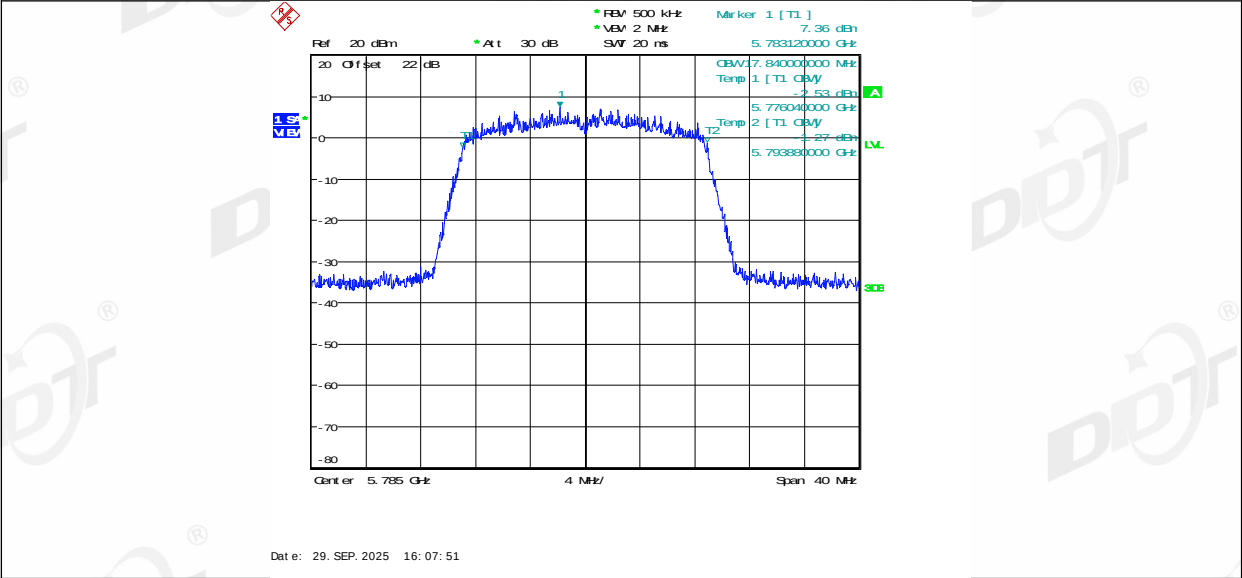
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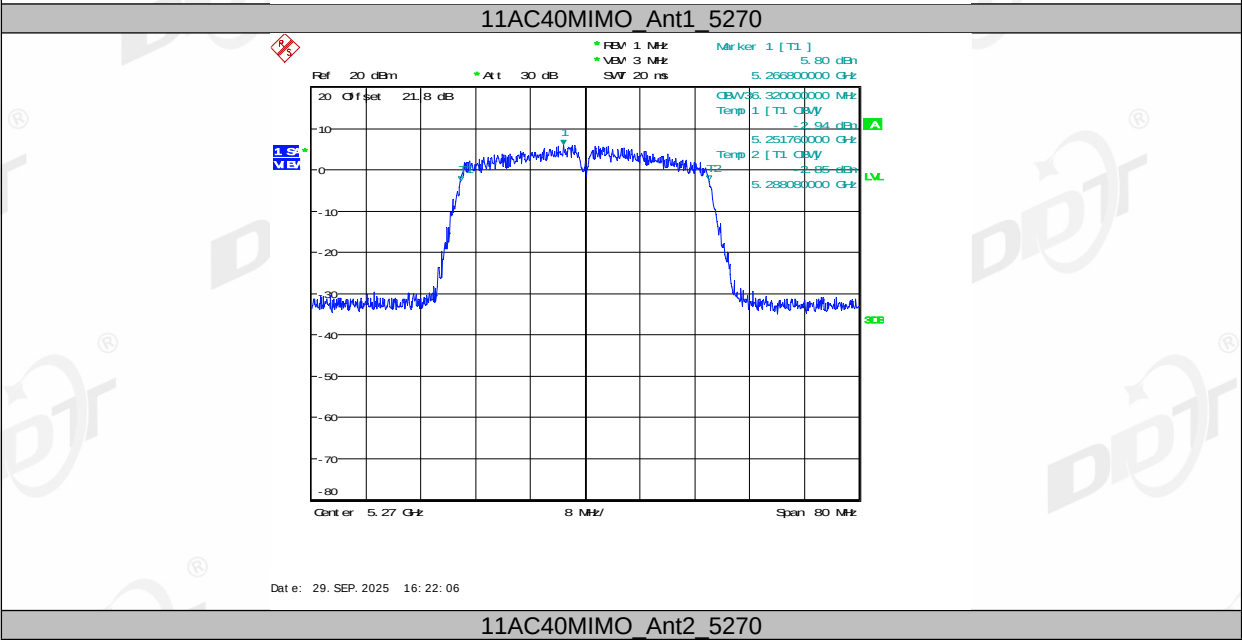
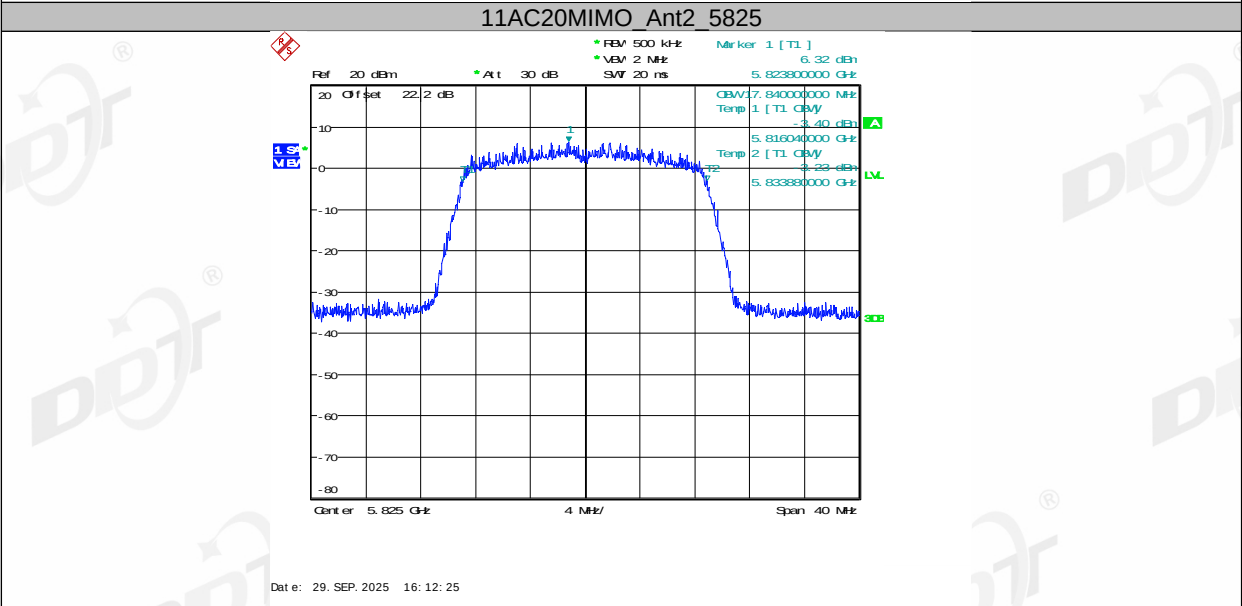
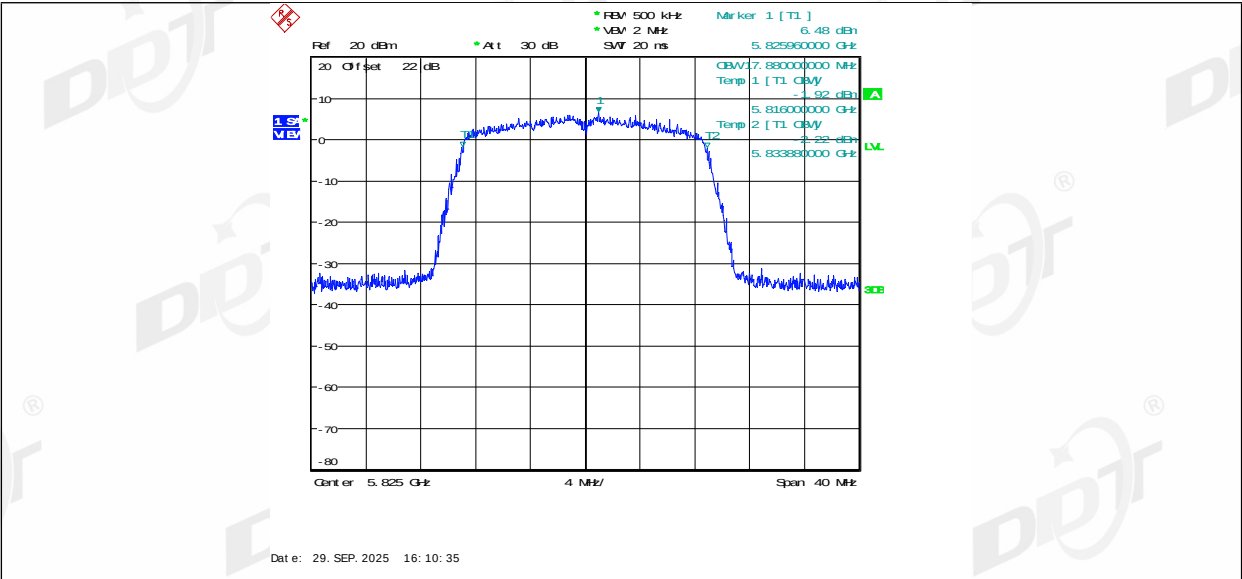
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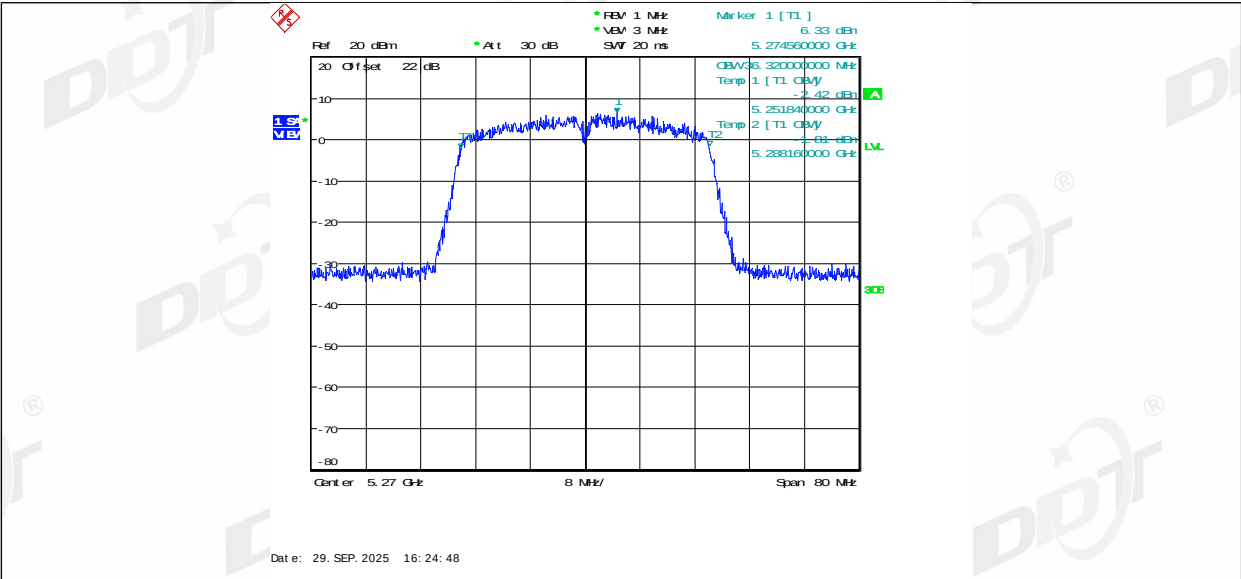


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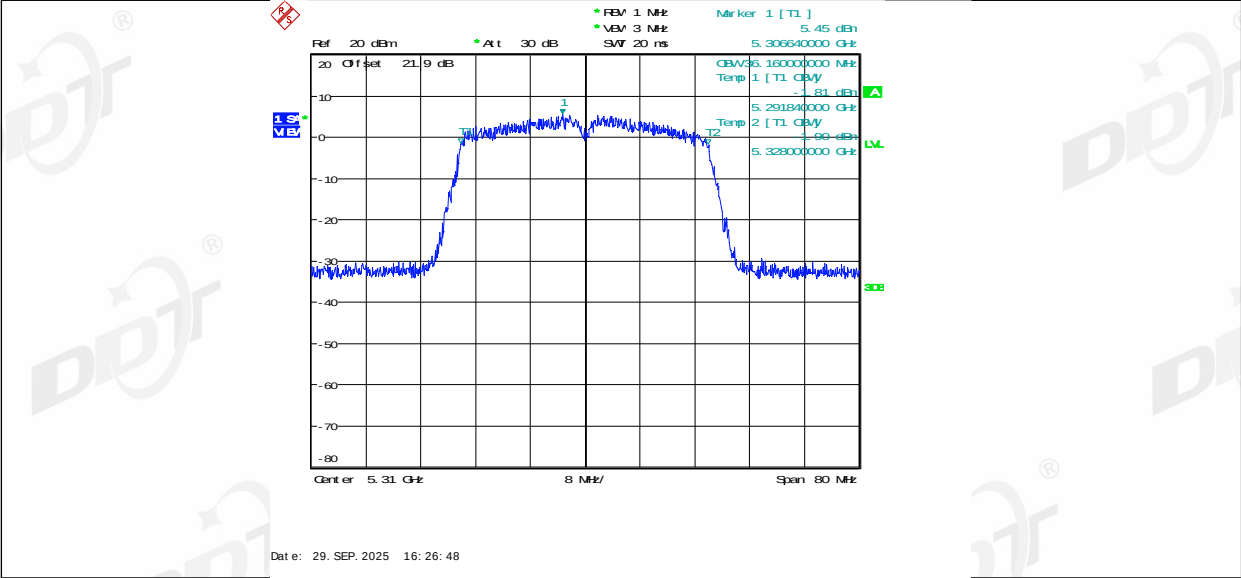


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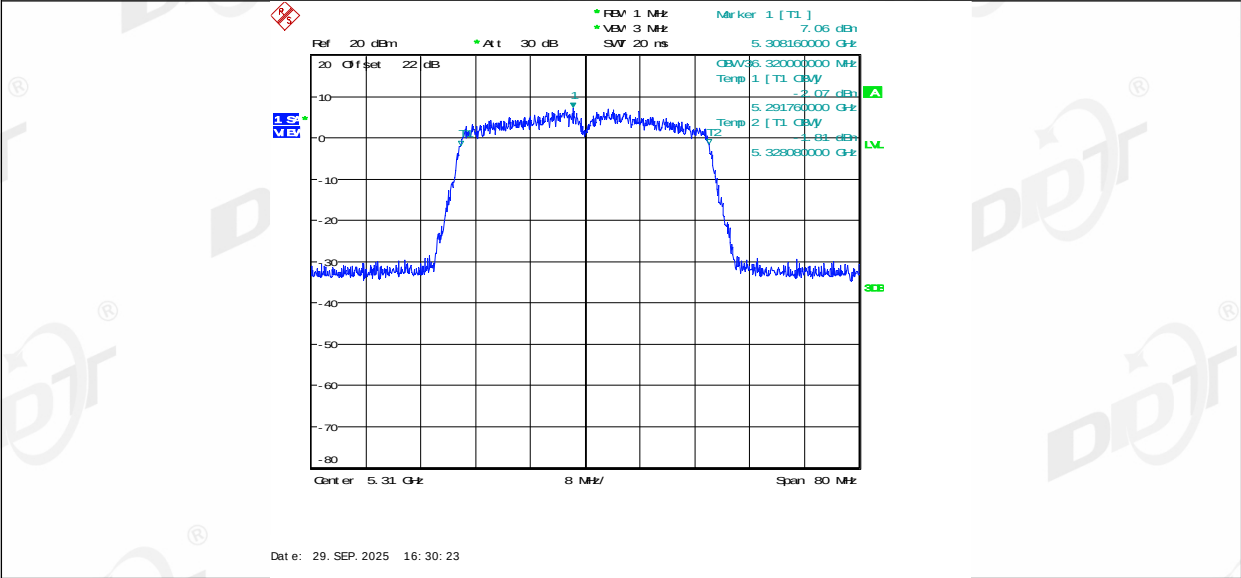




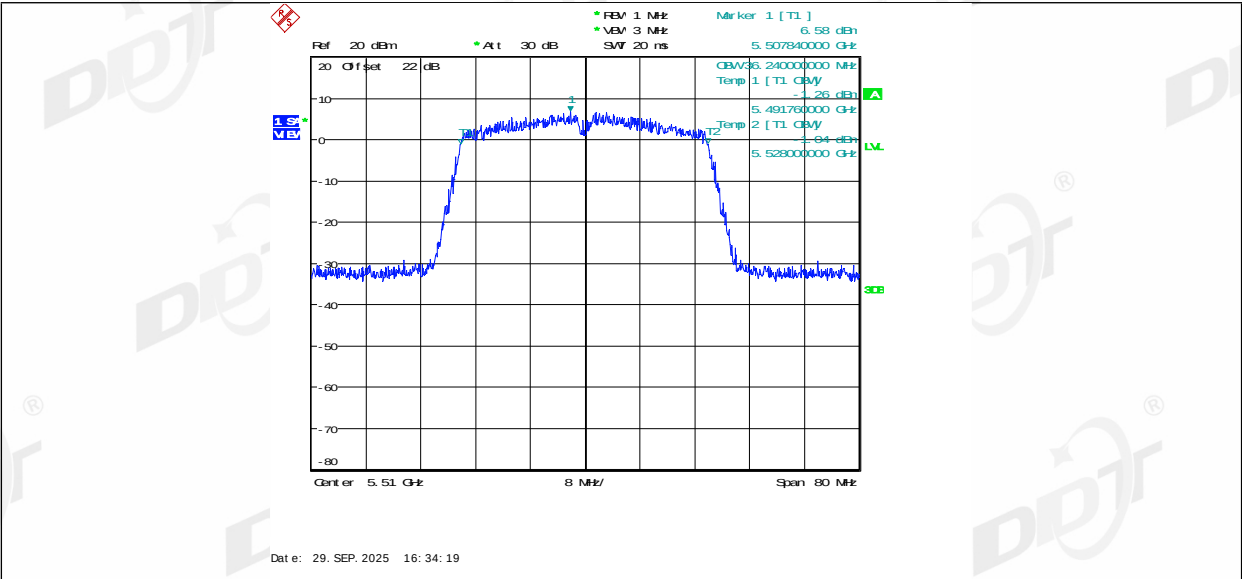
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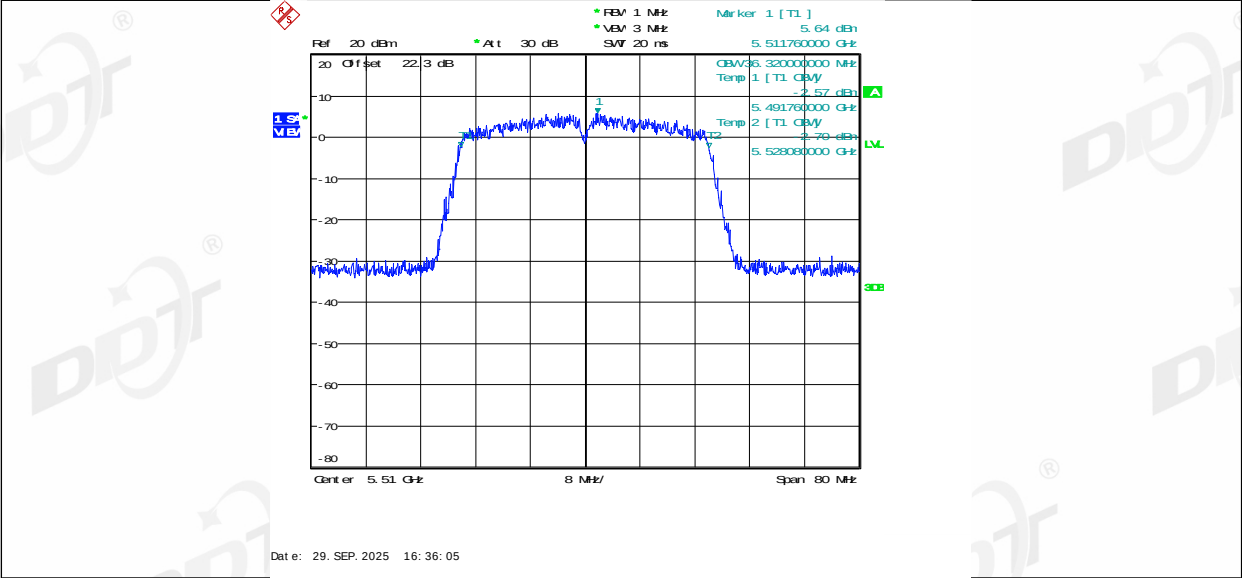
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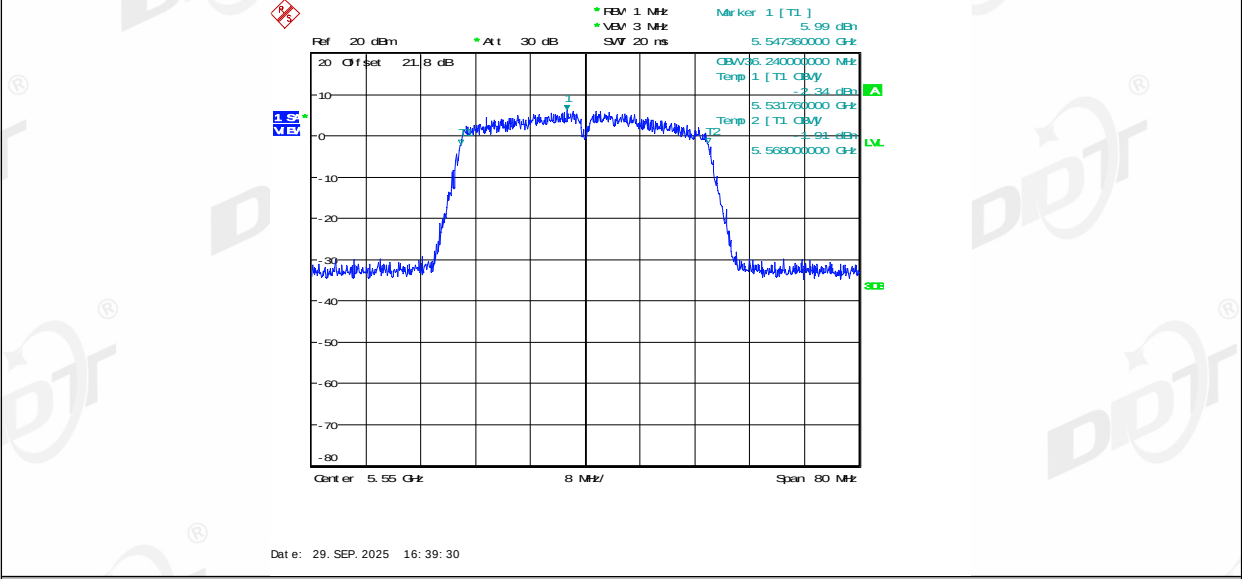
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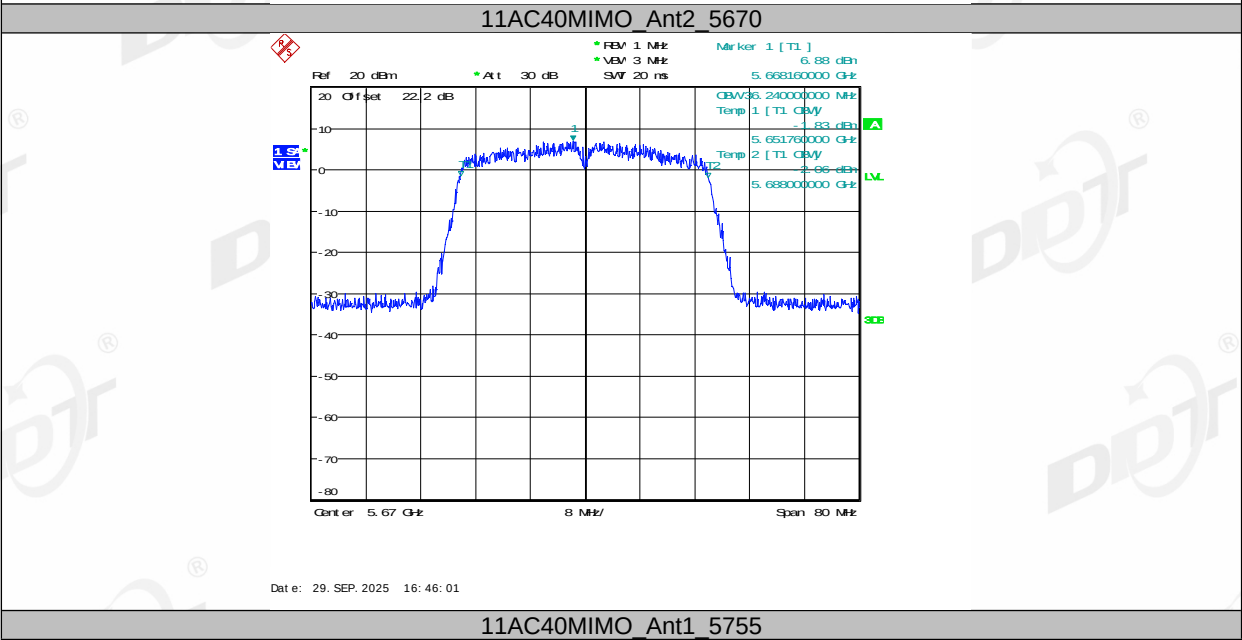
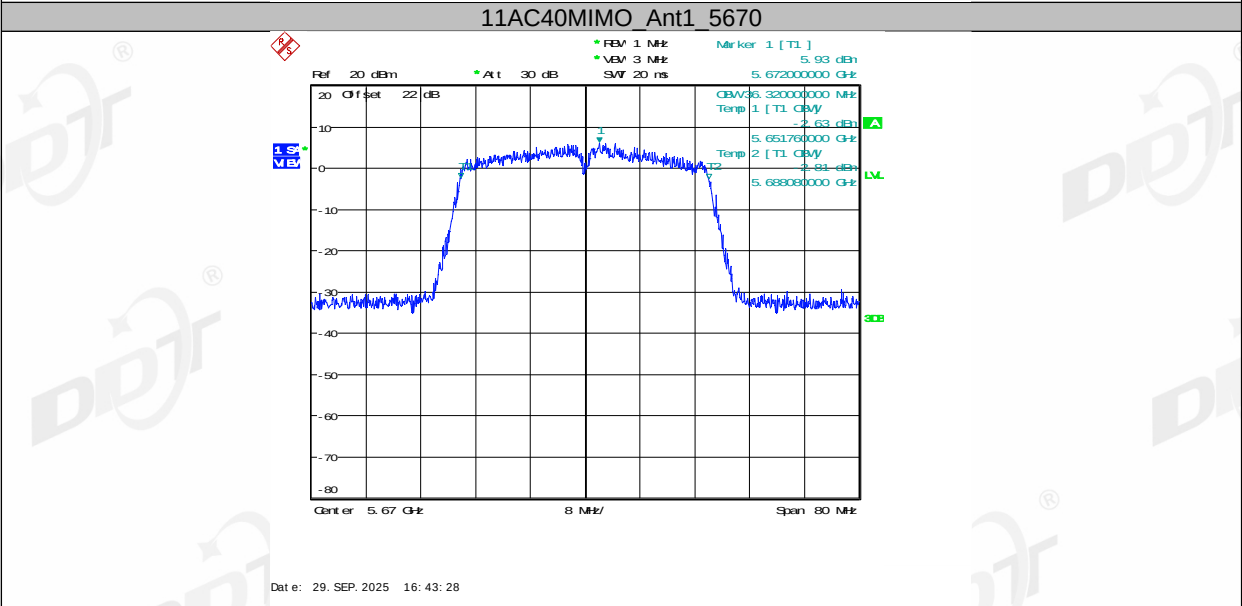
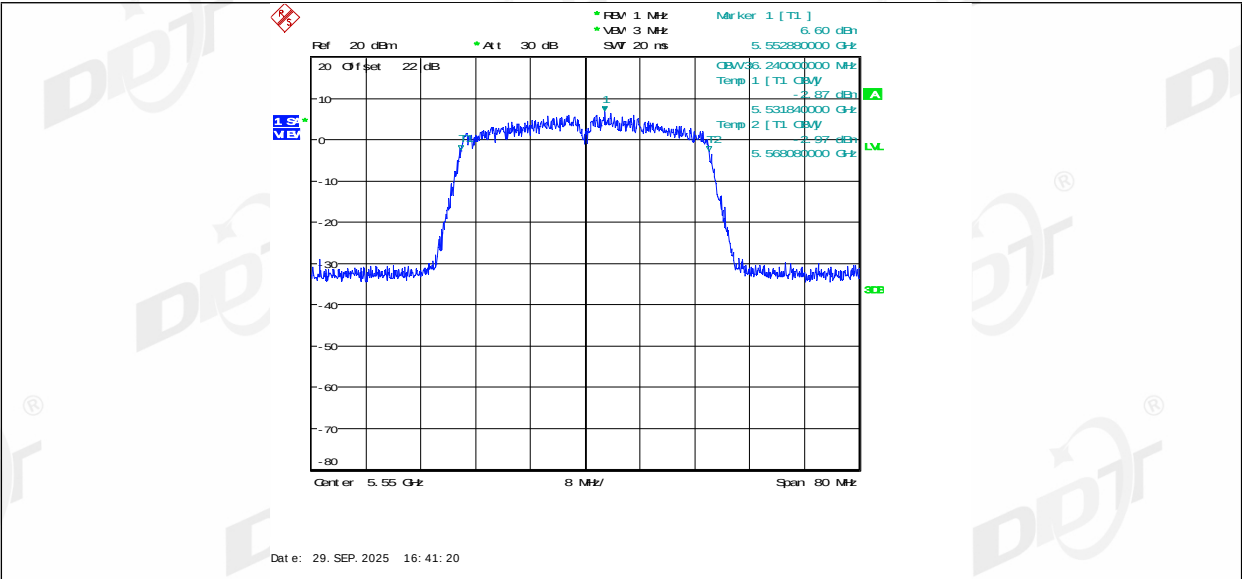
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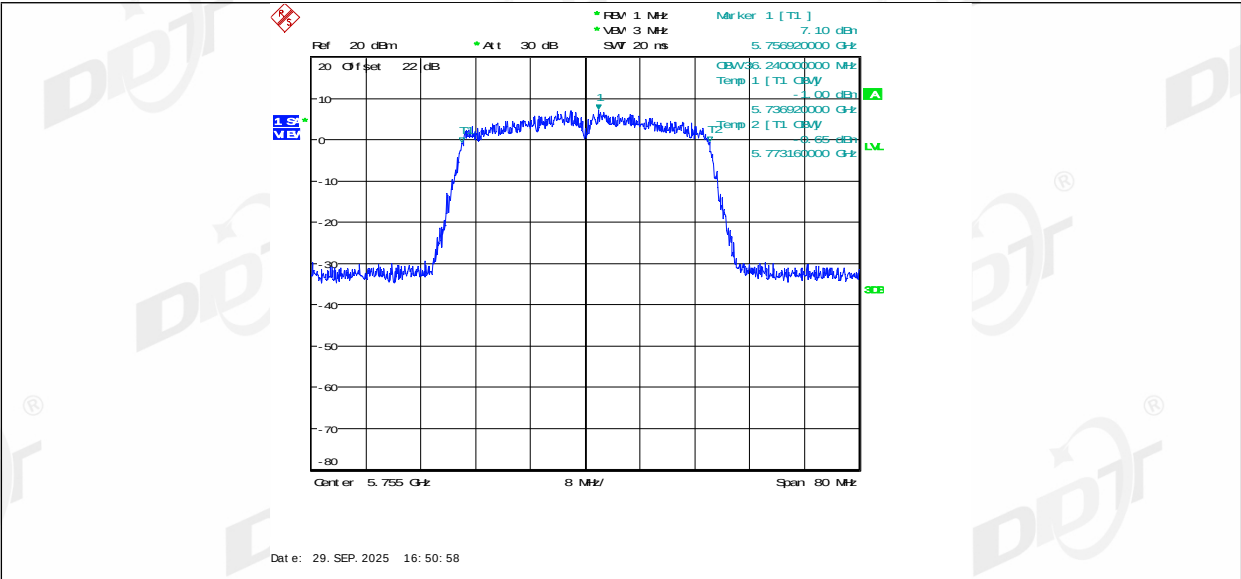


11AC40MIMO_Ant1_5550

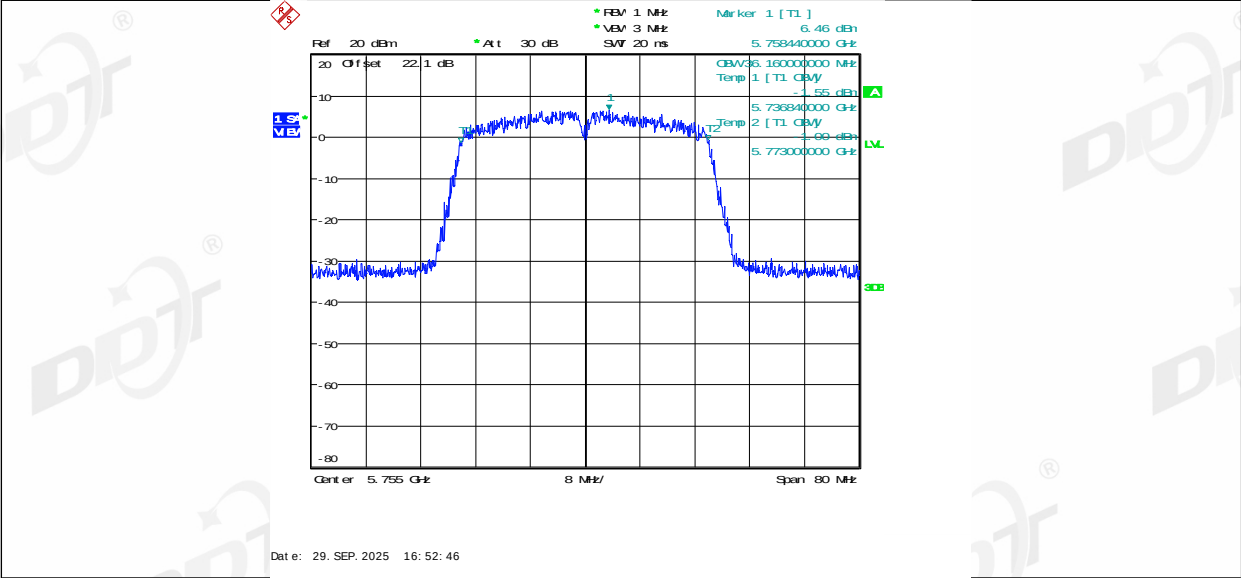


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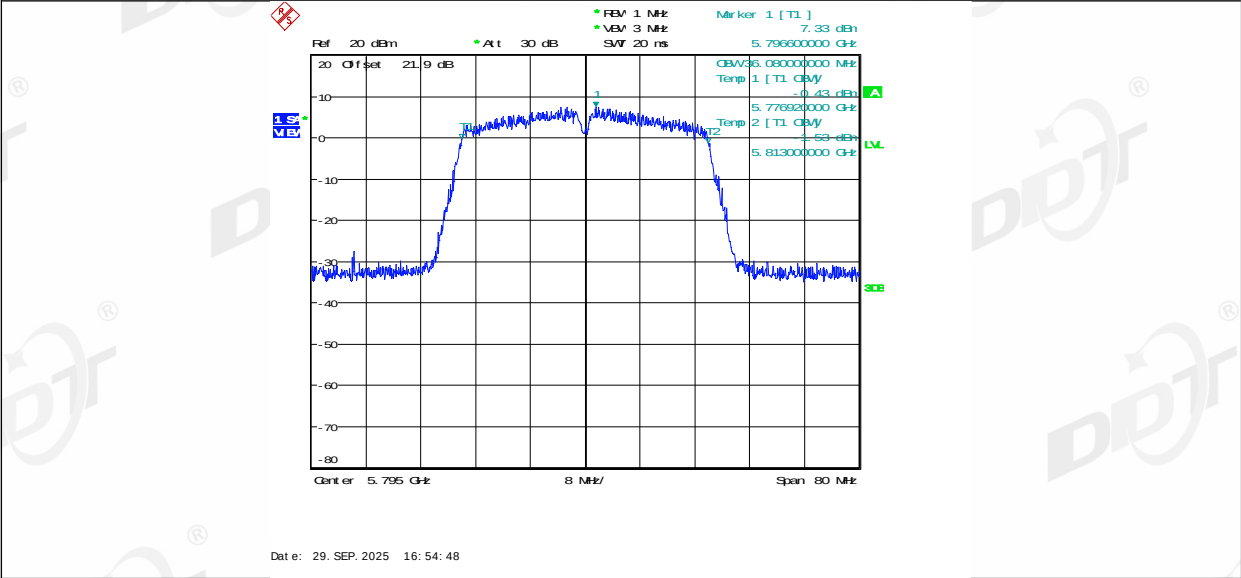




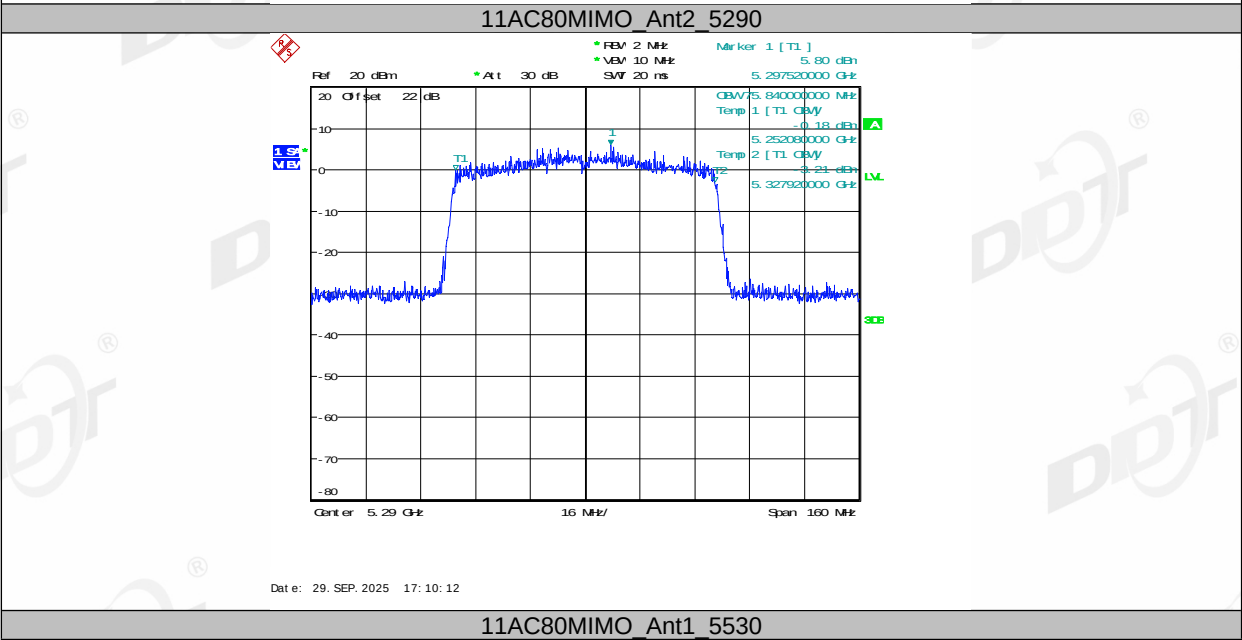
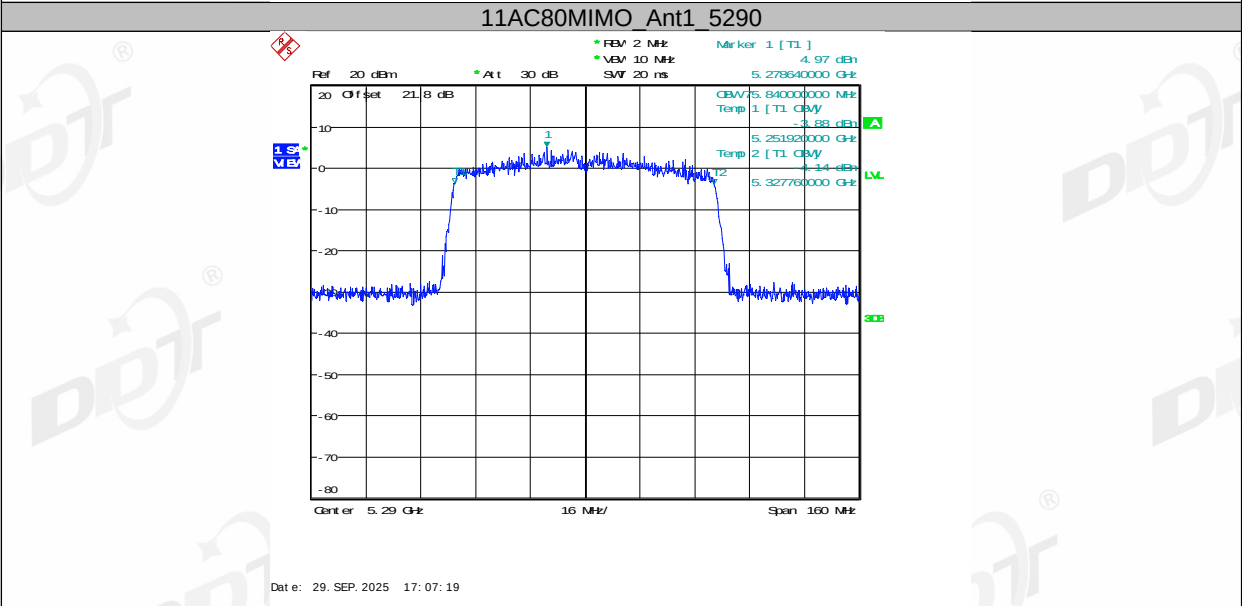
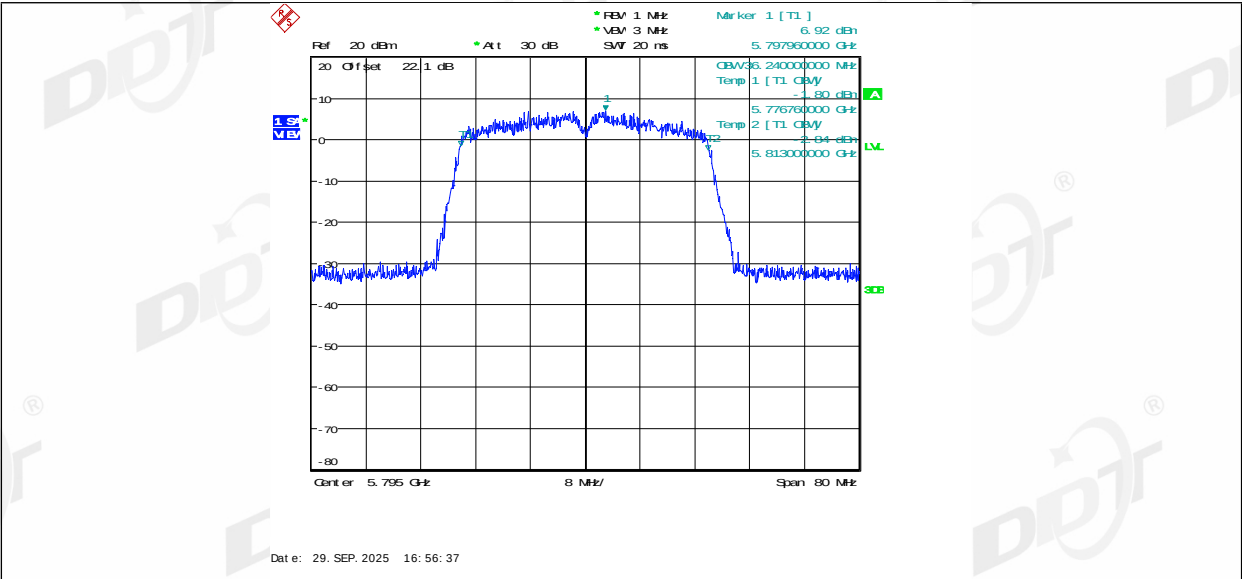
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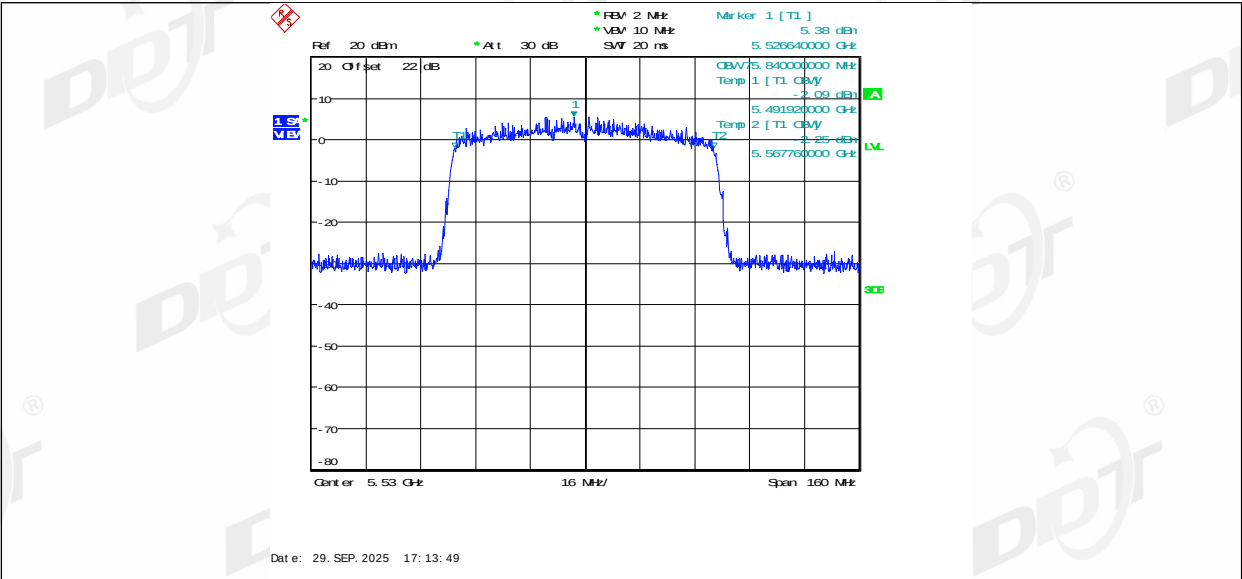


11AC40MIMO_Ant1_5795

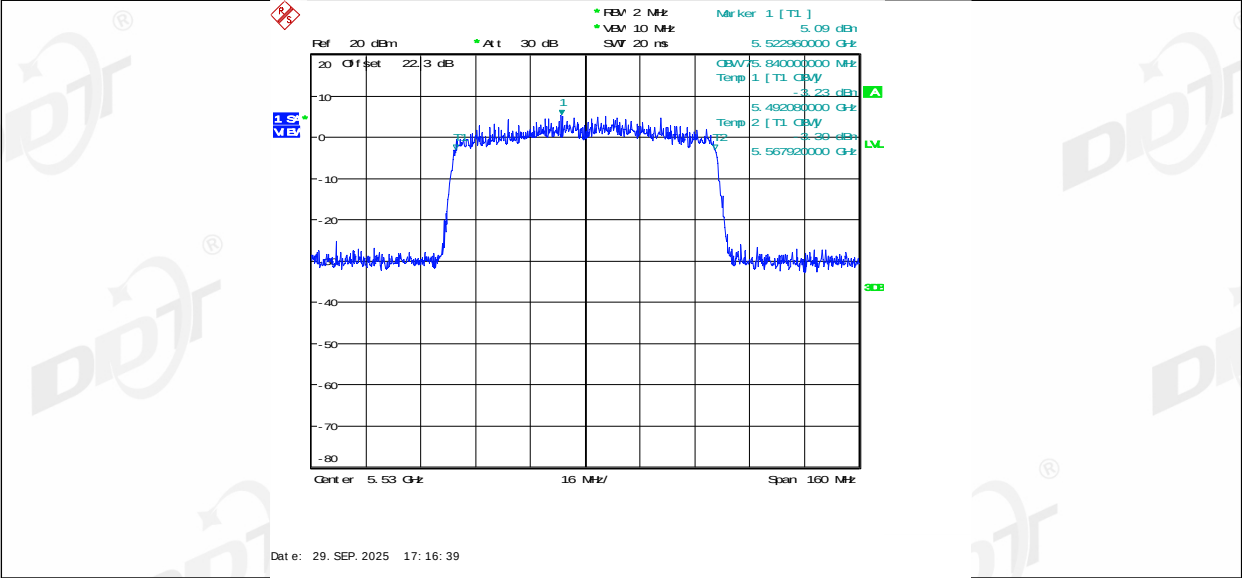


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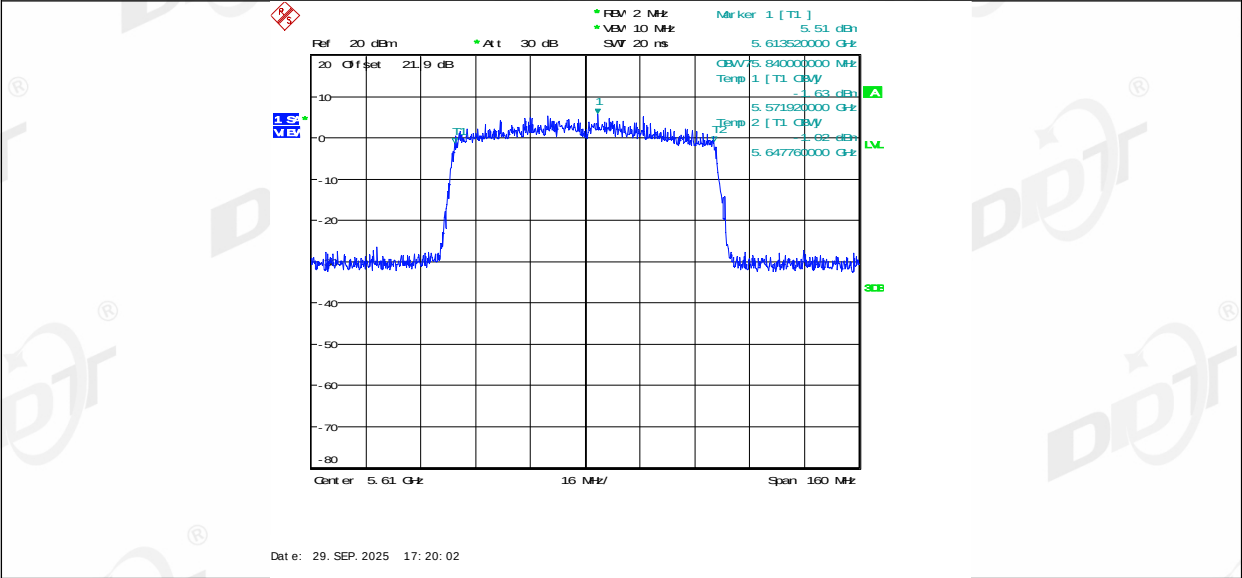




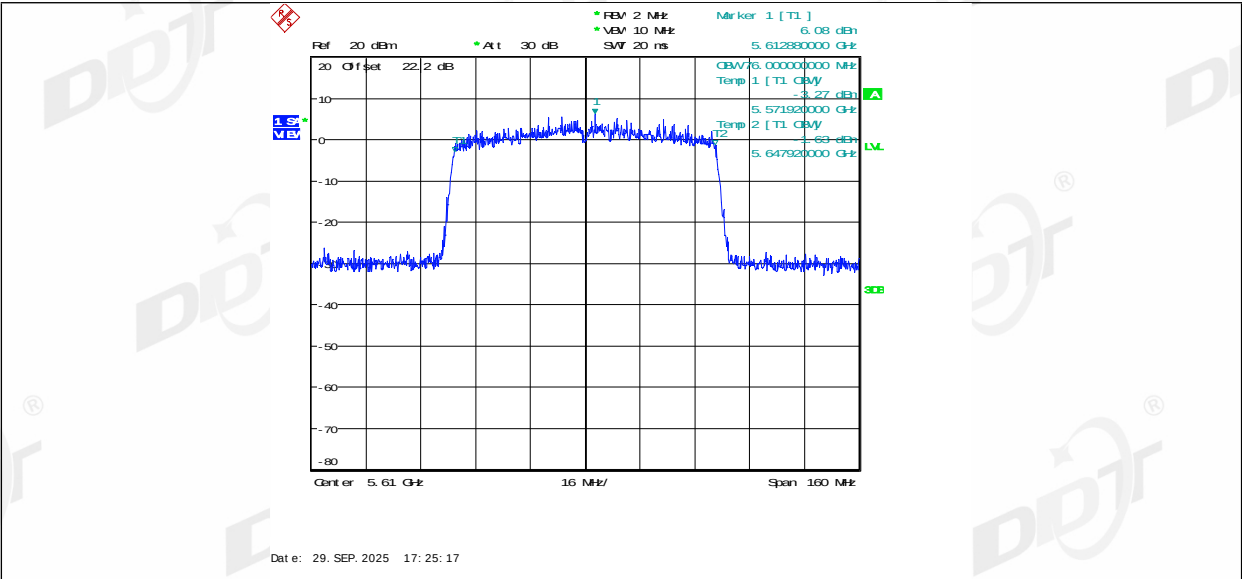
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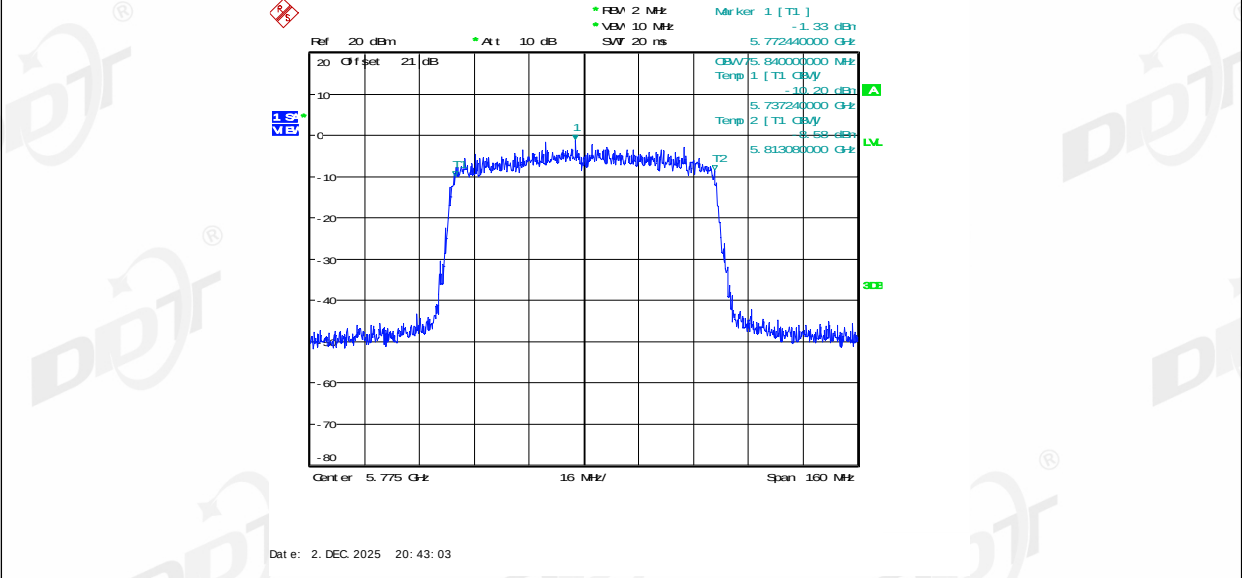
11AC80MIMO_Ant1_5610



11AC80MIMO_Ant2_5610



11AC80MIMO Ant1_5775



11AC80MIMO Ant2_5775

