



FCC CERTIFICATION TEST REPORT

Applicant	:	HUIZHOU MTN WEIYE TECHNOLOGY DEVELOPMENT CO.,LTD.
Address of Applicant	:	Factory 1 and Factory 2, No.1 Huaxing Avenue, Chenjiang Street, Zhongkai Hi-tech Zone, Huizhou
Manufacturer	:	HUIZHOU MTN WEIYE TECHNOLOGY DEVELOPMENT CO.,LTD.
Address of Manufacturer	:	Factory 1 and Factory 2, No.1 Huaxing Avenue, Chenjiang Street, Zhongkai Hi-tech Zone, Huizhou
Equipment under Test	:	Dual-band WiFi6 AX1500 Router
Model No.	:	Flow AX1501
FCC ID	:	2A7EI-WA1501AX
Test Standard(s)	:	FCC Rules and Regulations Part 15 Subpart E, ANSI C63.10:2013, 789033 D02 General U-NII Test Procedures New Rules v02r01, 662911 D01 Multiple Transmitter Output v02r01,
Report No.	:	DDT-RE24051516-2E02
Issue Date	:	2024/08/18
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	:	HUIZHOU MTN WEIYE TECHNOLOGY DEVELOPMENT CO.,LTD.
Address of Applicant	:	Factory 1 and Factory 2, No.1 Huaxing Avenue, Chenjiang Street, Zhongkai Hi-tech Zone, Huizhou
Equipment under Test	:	Dual-band WiFi6 AX1500 Router
Model No.	:	Flow AX1501
Manufacturer	:	HUIZHOU MTN WEIYE TECHNOLOGY DEVELOPMENT CO.,LTD.
Address of Manufacturer	:	Factory 1 and Factory 2, No.1 Huaxing Avenue, Chenjiang Street, Zhongkai Hi-tech Zone, Huizhou

Test Standard Used:

FCC Rules and Regulations Part 15 Subpart E,
ANSI C63.10:2013,
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-RE24051516-2E02		
Date of Receipt:	2024/05/17	Date of Test:	2024/05/17~2024/08/18

Prepared By:**Tiger Mo/Engineer****Approved By:****Damon Hu/EMC Manager**

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

Rev.	Revisions	Issue Date	Revised By
---	Initial issue	2024/08/18	

1. Summary of Test Results

No.	Test Parameter	Clause No.	Condition	Result
1	6/26db Bandwidth and 99% Bandwidth	FCC 15.407 (e)	/	Pass
2	Output Power	FCC 15.407 (a)	/	Pass
3	Power Spectral Density	FCC 15.407 (a)	/	Pass
4	Frequency Stability Measurement	FCC 15.407 (g)	/	Pass
5	Radiated Emission	FCC 15.407 (b); FCC 15.209; FCC 15.205	/	Pass
6	Band Edge Compliance	FCC 15.407 (b); FCC 15.209; FCC 15.205	/	Pass
7	Antenna Requirement	FCC Part 15: 15.203	/	Pass
8	Power Line Conducted Emissions	FCC Part 15: 15.207(a)	/	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	: Dual-band WiFi6 AX1500 Router
Model Number	: Flow AX1501
EUT Function Description	: Please reference user manual of this device
Power Supply	: DC 12V powered by external adapter.

Note: This EUT support 2.4 GHz WLAN, 5 GHz WLAN, this report only for 5 GHz WLAN.

Radio Technology	: IEEE 802.11a/n/ac/ax
Operation frequency	: IEEE 802.11a: 5180MHz-5240MHz, 5260MHz-5320MHz, 5500MHz-5720MHz, 5745MHz-5825MHz IEEE 802.11n HT20: 5180MHz-5240MHz, 5260MHz-5320MHz, 5500MHz-5720MHz, 5745MHz-5825MHz IEEE 802.11n HT40: 5190MHz-5230MHz, 5270MHz-5310MHz, 5510MHz-5710MHz, 5755MHz-5795MHz IEEE 802.11ac VHT20: 5180MHz-5240MHz, 5260MHz-5320MHz, 5500MHz-5720MHz, 5745MHz-5825MHz IEEE 802.11ac VHT40: 5190MHz-5230MHz, 5270MHz-5310MHz, 5510MHz-5710MHz, 5755MHz-5795MHz IEEE 802.11ac VHT80: 5210MHz, 5290MHz, 5530MHz, 5610MHz, 5690MHz, 5775MHz IEEE 802.11ax HE20: 5180MHz-5240MHz, 5260MHz-5320MHz, 5500MHz-5720MHz, 5745MHz-5825MHz IEEE 802.11ax HE40: 5190MHz-5230MHz, 5270MHz-5310MHz, 5510MHz-5710MHz, 5755MHz-5795MHz IEEE 802.11ax HE80: 5210MHz, 5290MHz, 5530MHz, 5610MHz, 5690MHz, 5775MHz
Modulation	: IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n HT20, HT40: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ax: OFDM (1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK)

Antenna information				
Antenna Type	External Antenna			
		Ant1 Gain	Ant2 Gain	Directional Gain
Max Antenna Gain (dBi)	IEEE 802.11a	5.46	4.95	/
	IEEE 802.11n HT20	5.46	4.95	8.22
	IEEE 802.11n HT40	5.46	4.95	8.22
	IEEE 802.11ac VHT20	5.46	4.95	8.22
	IEEE 802.11ac VHT40	5.46	4.95	8.22
	IEEE 802.11ac VHT80	5.46	4.95	8.22
	IEEE 802.11ax HE20	5.46	4.95	8.22
	IEEE 802.11ax HE40	5.46	4.95	8.22
	IEEE 802.11ax HE80	5.46	4.95	8.22
Note: The EUT supports MIMO 2X2, any transmit signals are correlated with each other. So the Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20})^2/2] = 8.22\text{dBi}$				

Channel information					
IEEE 802.11a IEEE 802.11n (HT20) IEEE 802.11ac (VHT20) IEEE 802.11ax (HE20)		IEEE 802.11n (HT40) IEEE 802.11ac (VHT40) IEEE 802.11ax (HE40)		IEEE 802.11ac (VHT80) IEEE 802.11ax (HE80)	
UNII-1					
CH	Frequency (MHz)	CH	Frequency (MHz)	CH	Frequency (MHz)
36	5180	38	5190	42	5210
40	5200	46	5230	/	/
44	5220	/	/	/	/
48	5240	/	/	/	/
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	5690
112	5560	126	5630	/	/
116	5580	134	5670	/	/
120	5600	142	5710	/	/
124	5620	/	/	/	/
128	5640	/	/	/	/
132	5660	/	/	/	/
136	5680	/	/	/	/
140	5700	/	/	/	/
144	5720	/	/	/	/
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 : “☑” means to be chosen or applicable; “☐” means don't to be chosen or not applicable; This note applies to entire report.

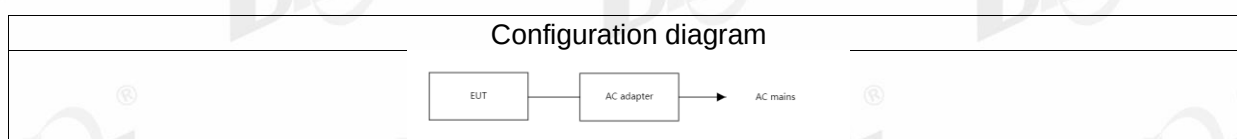
Note: The above EUT information is declared by manufacturer and for more detailed features

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.

2.2. Accessories of EUT

Accessories	Manufacturer	Model number	Description
AC Power Adapter	XIAMEN CASTEC ELECTRONIC INDUSTRY CO., LTD	MN012E-L120100	Input: 100-240V~50/60Hz 0.3A Max, Output: DC 12.0V1.0A 12.0W
RJ45 cable	/	/	Length: 1m, Unshielded

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: putty.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, channel, and data rate information					
Mode	Setting Tx Power		Data rate (Mbps) (see Note)	Channel	Frequency (MHz)
	ANT1	ANT2			
IEEE 802.11a	14	14	6	Low: CH36	5180
	14	14	6	Middle: CH40	5200
	14	14	6	High: CH48	5240
	14	14	6	Low: CH52	5260
	14	14	6	Middle: CH56	5280
	14	14	6	High: CH64	5320
	14	14	6	Low: CH100	5500
	14	14	6	Middle: CH116	5580
	14	14	6	High: CH140	5700
	15	15	6	Straddle:CH144	5720
	15	15	6	Low: CH149	5745
	15	15	6	Middle: CH157	5785
	15	15	6	High: CH165	5825
	14	14	MCS 8	Low: CH36	5180
	14	14	MCS 8	Middle: CH40	5200

IEEE 802.11n HT20	14	14	MCS 8	High: CH48	5240
	14	14	MCS 8	Low: CH52	5260
	14	14	MCS 8	Middle: CH56	5280
	14	14	MCS 8	High: CH64	5320
	14	14	MCS 8	Low: CH100	5500
	14	14	MCS 8	Middle: CH116	5580
	14	14	MCS 8	High: CH140	5700
	15	15	MCS 8	Straddle:CH144	5720
	15	15	MCS 8	Low: CH149	5745
	15	15	MCS 8	Middle: CH157	5785
	15	15	MCS 8	High: CH165	5825
IEEE 802.11n HT40	14	14	MCS 8	Low: CH38	5190
	14	14	MCS 8	Middle: CH46	5230
	14	14	MCS 8	High: CH54	5270
	14	14	MCS 8	Low: CH62	5310
	14	14	MCS 8	Middle: CH102	5510
	14	14	MCS 8	High: CH110	5550
	14	14	MCS 8	Low: CH134	5670
	15	15	MCS 8	Straddle: CH142	5710
	15	15	MCS 8	Middle: CH151	5755
	15	15	MCS 8	High: CH159	5795
IEEE 802.11ac VHT20	14	14	MCS 0	Low: CH36	5180
	14	14	MCS 0	Middle: CH40	5200
	14	14	MCS 0	High: CH48	5240
	14	14	MCS 0	Low: CH52	5260
	14	14	MCS 0	Middle: CH56	5280
	14	14	MCS 0	High: CH64	5320
	14	14	MCS 0	Low: CH100	5500
	14	14	MCS 0	Middle: CH116	5580
	14	14	MCS 0	High: CH140	5700
	15	15	MCS 0	Straddle:CH144	5720
	15	15	MCS 0	Low: CH149	5745
	15	15	MCS 0	Middle: CH157	5785
	15	15	MCS 0	High: CH165	5825
IEEE 802.11 ac VHT40	14	14	MCS 0	Low: CH38	5190
	14	14	MCS 0	Middle: CH46	5230
	14	14	MCS 0	High: CH54	5270
	14	14	MCS 0	Low: CH62	5310
	14	14	MCS 0	Middle: CH102	5510
	14	14	MCS 0	High: CH110	5550

	14	14	MCS 0	Low: CH134	5670
	15	15	MCS 0	Straddle: CH142	5710
	15	15	MCS 0	Middle: CH151	5755
	15	15	MCS 0	High: CH159	5795
IEEE 802.11ac VHT80	12	12	MCS 0	CH42	5210
	12	12	MCS 0	CH58	5290
	12	12	MCS 0	CH106	5530
	12	12	MCS 0	CH122	5610
	15	15	MCS 0	CH138	5690
	15	15	MCS 0	CH155	5775
IEEE 802.11ax HE20	14	14	MCS 0	Low: CH36	5180
	14	14	MCS 0	Middle: CH40	5200
	14	14	MCS 0	High: CH48	5240
	14	14	MCS 0	Low: CH52	5260
	14	14	MCS 0	Middle: CH56	5280
	14	14	MCS 0	High: CH64	5320
	14	14	MCS 0	Low: CH100	5500
	14	14	MCS 0	Middle: CH116	5580
	14	14	MCS 0	High: CH140	5700
	15	15	MCS 0	Straddle:CH144	5720
	15	15	MCS 0	Low: CH149	5745
	15	15	MCS 0	Middle: CH157	5785
	15	15	MCS 0	High: CH165	5825
	15	15	MCS 0	High: CH165	5825
IEEE 802.11ax HE40	14	14	MCS 0	Low: CH38	5190
	14	14	MCS 0	Middle: CH46	5230
	14	14	MCS 0	High: CH54	5270
	14	14	MCS 0	Low: CH62	5310
	14	14	MCS 0	Middle: CH102	5510
	14	14	MCS 0	High: CH110	5550
	14	14	MCS 0	Low: CH134	5670
	15	15	MCS 0	Straddle: CH142	5710
	15	15	MCS 0	Middle: CH151	5755
	15	15	MCS 0	High: CH159	5795
IEEE 802.11ax HE80	12	12	MCS 0	CH42	5210
	12	12	MCS 0	CH58	5290
	12	12	MCS 0	CH106	5530
	12	12	MCS 0	CH122	5610
	15	15	MCS 0	CH138	5690
	15	15	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 to106 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-20155, G-20118

2.8. Measurement uncertainty

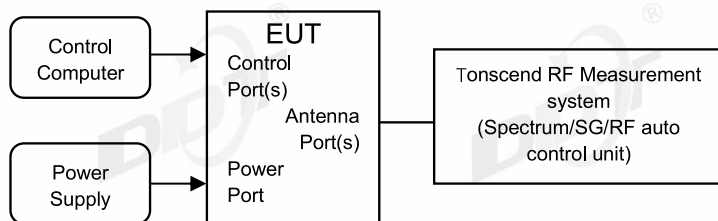
Test Item	Uncertainty
Bandwidth	1.1%
Peak Output Power (Conducted) (Spectrum analyzer)	0.86 dB ($10 \text{ MHz} \leq f < 3.6 \text{ GHz}$); 1.38 dB ($3.6 \text{ GHz} \leq f < 8 \text{ GHz}$)
Peak Output Power (Conducted) (Power Sensor)	0.74 dB
Power Spectral Density	0.74 dB ($10 \text{ MHz} \leq f < 3.6 \text{ GHz}$); 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	2025/03/31
Wideband Radio Communication Tester	R&S	CMW500	120259	2025/07/08
MXG Vector Signal Generator	KEYSIGHT	N5182B	MY59100192	2025/03/31
MXG Vector Signal Generator	Agilent	N5182A	MY19060405	2025/03/31
RF Control Unit	Tonsend	JS0806-2	158060010	2025/03/31
TEMP&HUMI Programmable Chamber	ZHIXIANG	ZXGDJS-150L	ZX170110-A	2025/04/22
Test Software	Tonscend	JS1120-3	Ver.3.2.22	N/A

4. 26dB Bandwidth

4.1. Block diagram of test setup



4.2. Limits

FCC Part15, Subpart E		
Test Item	Limit	Frequency Range (MHz)
26 dB Bandwidth	---	5150 - 5250
	---	5250 - 5350
	---	5470 - 5725

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:	25.8℃,55.9%RH	Test Date:	2024.06.12-2024.08.18
Test Power Supply:	AC120V/60Hz	Sample Number:	S24051516-001

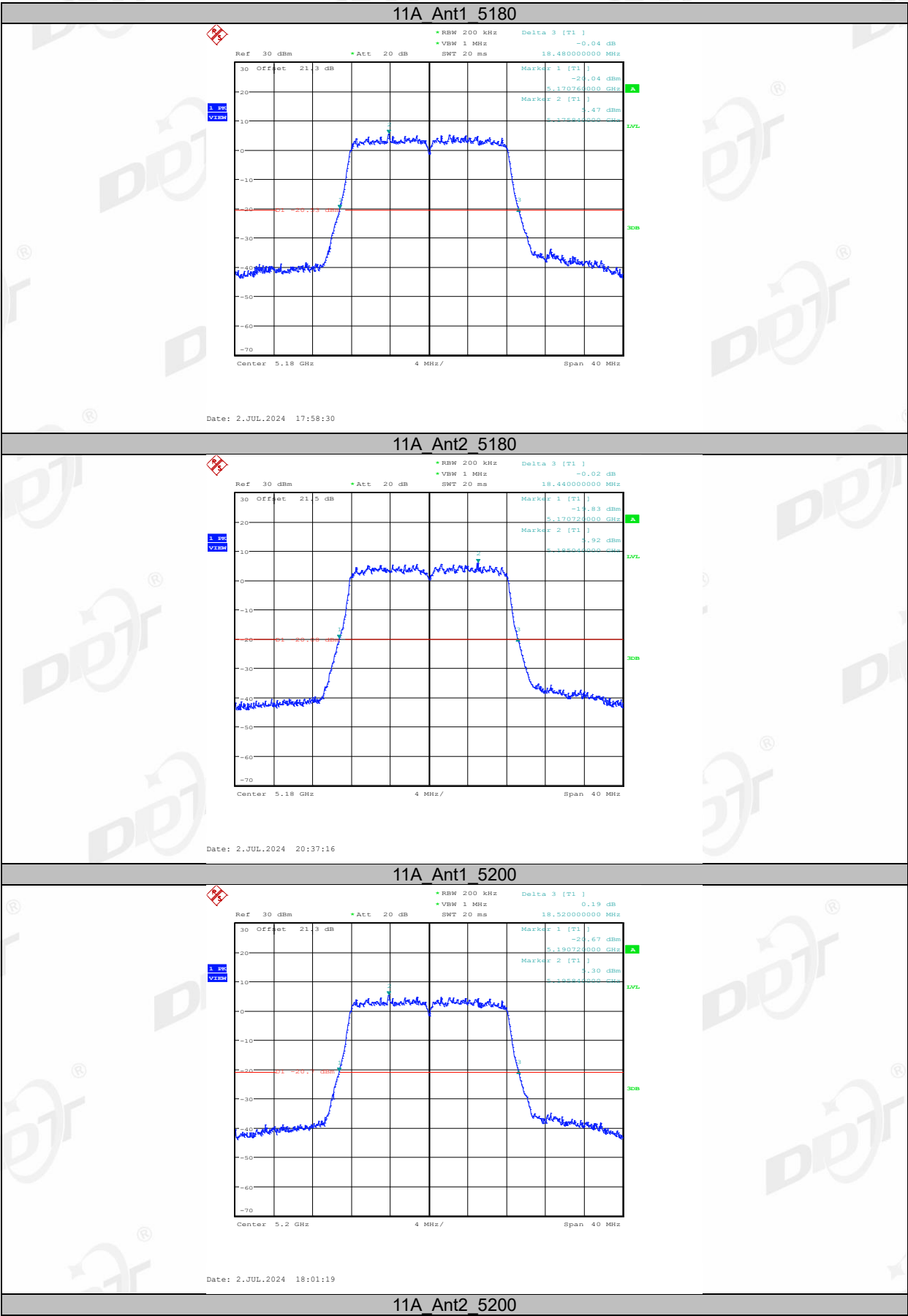
Test Mode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	18.48	5170.76	5189.24	---	---
	Ant2	5180	18.44	5170.72	5189.16	---	---
	Ant1	5200	18.52	5190.72	5209.24	---	---
	Ant2	5200	18.40	5190.76	5209.16	---	---
	Ant1	5240	18.44	5230.76	5249.20	---	---
	Ant2	5240	18.44	5230.72	5249.16	---	---
	Ant1	5260	18.52	5250.72	5269.24	---	---
	Ant2	5260	18.48	5250.68	5269.16	---	---
	Ant1	5280	18.52	5270.72	5289.24	---	---
	Ant2	5280	18.44	5270.72	5289.16	---	---
	Ant1	5320	18.48	5310.72	5329.20	---	---
	Ant2	5320	18.48	5310.68	5329.16	---	---
	Ant1	5500	18.56	5490.72	5509.28	---	---
	Ant2	5500	18.44	5490.72	5509.16	---	---
	Ant1	5580	18.52	5570.76	5589.28	---	---
	Ant2	5580	18.44	5570.76	5589.20	---	---
	Ant1	5700	18.48	5690.76	5709.24	---	---
	Ant2	5700	18.36	5690.80	5709.16	---	---
	Ant1	5720	18.52	5710.72	5729.24	---	---
	Ant2	5720	18.44	5710.72	5729.16	---	---
	Ant1	5720 UNII-2C	14.28	5710.72	5725	---	---
	Ant2	5720 UNII-2C	14.28	5710.72	5725	---	---
	Ant1	5720 UNII-3	4.24	5725	5729.24	---	---
	Ant2	5720 UNII-3	4.16	5725	5729.16	---	---
	Ant1	5745	18.56	5735.72	5754.28	---	---
	Ant2	5745	18.28	5735.88	5754.16	---	---
	Ant1	5785	18.52	5775.76	5794.28	---	---
	Ant2	5785	18.40	5775.76	5794.16	---	---
	Ant1	5825	18.56	5815.72	5834.28	---	---
	Ant2	5825	18.44	5815.72	5834.16	---	---
11N20MIMO	Ant1	5180	19.52	5170.20	5189.72	---	---
	Ant2	5180	19.52	5170.28	5189.80	---	---
	Ant1	5200	19.56	5190.16	5209.72	---	---
	Ant2	5200	19.52	5190.28	5209.80	---	---
	Ant1	5240	19.48	5230.20	5249.68	---	---
	Ant2	5240	19.48	5230.28	5249.76	---	---
	Ant1	5260	19.52	5250.20	5269.72	---	---
	Ant2	5260	19.52	5250.28	5269.80	---	---
	Ant1	5280	19.48	5270.20	5289.68	---	---
	Ant2	5280	19.52	5270.28	5289.80	---	---
	Ant1	5320	19.52	5310.16	5329.68	---	---
	Ant2	5320	19.48	5310.28	5329.76	---	---
	Ant1	5500	19.52	5490.20	5509.72	---	---
	Ant2	5500	19.48	5490.28	5509.76	---	---
	Ant1	5580	19.52	5570.20	5589.72	---	---
	Ant2	5580	19.56	5570.24	5589.80	---	---
	Ant1	5700	19.52	5690.20	5709.72	---	---
	Ant2	5700	19.48	5690.28	5709.76	---	---
	Ant1	5720	19.56	5710.16	5729.72	---	---
	Ant2	5720	19.52	5710.28	5729.80	---	---
	Ant1	5720 UNII-2C	14.84	5710.16	5725	---	---
	Ant2	5720 UNII-2C	14.72	5710.28	5725	---	---
	Ant1	5720 UNII-3	4.72	5725	5729.72	---	---
	Ant2	5720 UNII-3	4.8	5725	5729.80	---	---
	Ant1	5745	19.52	5735.20	5754.72	---	---
	Ant2	5745	19.44	5735.32	5754.76	---	---

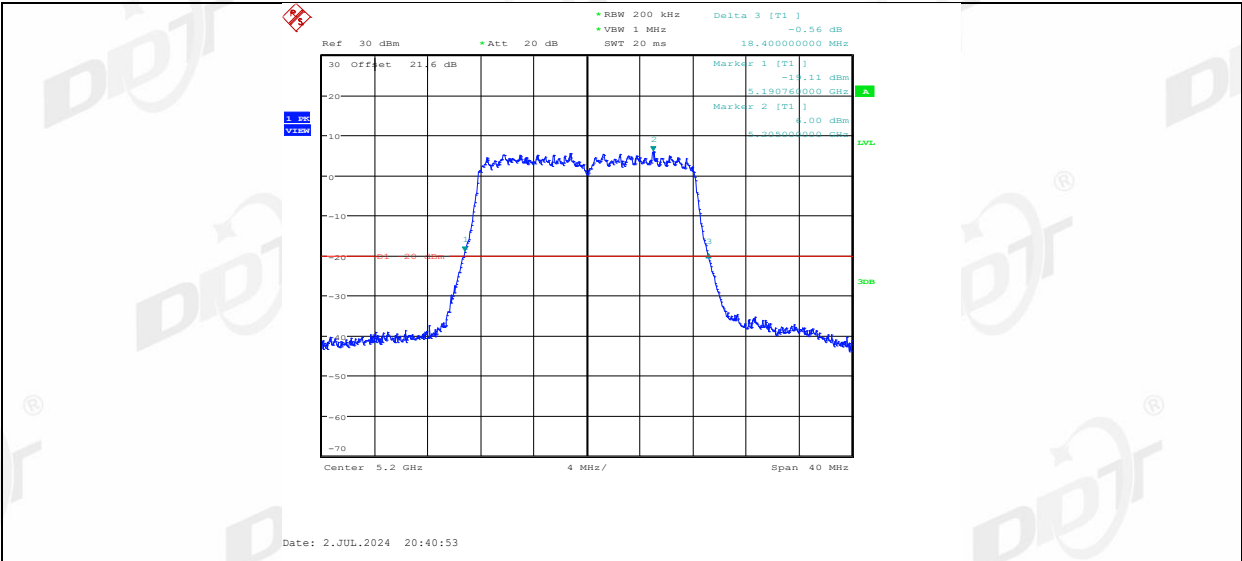
	Ant1	5785	19.52	5775.20	5794.72	---	---
	Ant2	5785	19.48	5775.28	5794.76	---	---
	Ant1	5825	19.52	5815.20	5834.72	---	---
	Ant2	5825	19.48	5815.28	5834.76	---	---
11N40MIMO	Ant1	5190	39.28	5170.40	5209.68	---	---
	Ant2	5190	39.04	5170.56	5209.60	---	---
	Ant1	5230	38.96	5210.56	5249.52	---	---
	Ant2	5230	38.96	5210.56	5249.52	---	---
	Ant1	5270	38.96	5250.56	5289.52	---	---
	Ant2	5270	38.96	5250.56	5289.52	---	---
	Ant1	5310	39.04	5290.48	5329.52	---	---
	Ant2	5310	39.04	5290.48	5329.52	---	---
	Ant1	5510	39.12	5490.56	5529.68	---	---
	Ant2	5510	39.04	5490.48	5529.52	---	---
	Ant1	5550	39.04	5530.64	5569.68	---	---
	Ant2	5550	38.96	5530.64	5569.60	---	---
	Ant1	5670	39.04	5650.48	5689.52	---	---
	Ant2	5670	38.88	5650.64	5689.52	---	---
	Ant1	5710	39.20	5690.48	5729.68	---	---
	Ant2	5710	38.96	5690.56	5729.52	---	---
	Ant1	5710 UNII-2C	34.52	5690.48	5725	---	---
	Ant2	5710 UNII-2C	34.44	5690.56	5725	---	---
	Ant1	5710 UNII-3	4.68	5725	5729.68	---	---
	Ant2	5710 UNII-3	4.52	5725	5729.52	---	---
	Ant1	5755	39.04	5735.56	5774.60	---	---
	Ant2	5755	38.96	5735.64	5774.60	---	---
	Ant1	5795	39.04	5775.56	5814.60	---	---
	Ant2	5795	39.04	5775.56	5814.60	---	---
11AC20MIMO	Ant1	5180	19.56	5170.24	5189.80	---	---
	Ant2	5180	19.40	5170.32	5189.72	---	---
	Ant1	5200	19.52	5190.24	5209.76	---	---
	Ant2	5200	19.48	5190.28	5209.76	---	---
	Ant1	5240	19.56	5230.20	5249.76	---	---
	Ant2	5240	19.52	5230.28	5249.80	---	---
	Ant1	5260	19.56	5250.20	5269.76	---	---
	Ant2	5260	19.52	5250.28	5269.80	---	---
	Ant1	5280	19.56	5270.20	5289.76	---	---
	Ant2	5280	19.48	5270.28	5289.76	---	---
	Ant1	5320	19.52	5310.20	5329.72	---	---
	Ant2	5320	19.48	5310.28	5329.76	---	---
	Ant1	5500	19.48	5490.24	5509.72	---	---
	Ant2	5500	19.48	5490.28	5509.76	---	---
	Ant1	5580	19.56	5570.20	5589.76	---	---
	Ant2	5580	19.48	5570.28	5589.76	---	---
	Ant1	5700	19.52	5690.24	5709.76	---	---
	Ant2	5700	19.56	5690.24	5709.80	---	---
	Ant1	5720	19.52	5710.20	5729.72	---	---
	Ant2	5720	19.48	5710.28	5729.76	---	---
	Ant1	5720 UNII-2C	14.8	5710.20	5725	---	---
	Ant2	5720 UNII-2C	14.72	5710.28	5725	---	---
	Ant1	5720 UNII-3	4.72	5725	5729.72	---	---
	Ant2	5720 UNII-3	4.76	5725	5729.76	---	---
	Ant1	5745	19.48	5735.24	5754.72	---	---
	Ant2	5745	19.44	5735.32	5754.76	---	---
	Ant1	5785	19.52	5775.20	5794.72	---	---
	Ant2	5785	19.44	5775.28	5794.72	---	---
	Ant1	5825	19.60	5815.16	5834.76	---	---
	Ant2	5825	19.40	5815.32	5834.72	---	---
11AC40MIMO	Ant1	5190	39.04	5170.56	5209.60	---	---
	Ant2	5190	39.04	5170.56	5209.60	---	---
	Ant1	5230	38.96	5210.56	5249.52	---	---
	Ant2	5230	39.04	5210.56	5249.60	---	---
	Ant1	5270	39.04	5250.48	5289.52	---	---
	Ant2	5270	38.96	5250.56	5289.52	---	---

	Ant1	5310	39.04	5290.56	5329.60	---	---
	Ant2	5310	39.12	5290.48	5329.60	---	---
	Ant1	5510	39.04	5490.56	5529.60	---	---
	Ant2	5510	39.04	5490.56	5529.60	---	---
	Ant1	5550	39.04	5530.64	5569.68	---	---
	Ant2	5550	39.04	5530.56	5569.60	---	---
	Ant1	5670	38.96	5650.56	5689.52	---	---
	Ant2	5670	38.96	5650.56	5689.52	---	---
	Ant1	5710	39.12	5690.48	5729.60	---	---
	Ant2	5710	39.04	5690.48	5729.52	---	---
	Ant1	5710 UNII-2C	34.52	5690.48	5725	---	---
	Ant2	5710 UNII-2C	34.52	5690.48	5725	---	---
	Ant1	5710 UNII-3	4.6	5725	5729.60	---	---
	Ant2	5710 UNII-3	4.52	5725	5729.52	---	---
	Ant1	5755	38.96	5735.56	5774.52	---	---
	Ant2	5755	38.88	5735.64	5774.52	---	---
	Ant1	5795	39.04	5775.56	5814.60	---	---
	Ant2	5795	38.88	5775.64	5814.52	---	---
11AC80MIMO	Ant1	5210	84.80	5167.44	5252.24	---	---
	Ant2	5210	85.28	5167.44	5252.72	---	---
	Ant1	5290	85.28	5247.28	5332.56	---	---
	Ant2	5290	85.44	5247.12	5332.56	---	---
	Ant1	5530	85.60	5487.76	5573.36	---	---
	Ant2	5530	85.76	5487.12	5572.88	---	---
	Ant1	5610	85.44	5567.60	5653.04	---	---
	Ant2	5610	86.08	5566.96	5653.04	---	---
	Ant1	5690	85.44	5647.28	5732.72	---	---
	Ant2	5690	85.92	5646.96	5732.88	---	---
	Ant1	5690 UNII-2C	77.72	5647.28	5725	---	---
	Ant2	5690 UNII-2C	78.04	5646.96	5725	---	---
	Ant1	5690 UNII-3	7.72	5725	5732.72	---	---
	Ant2	5690 UNII-3	7.88	5725	5732.88	---	---
11AX20MIMO	Ant1	5775	85.28	5732.44	5817.72	---	---
	Ant2	5775	85.28	5732.44	5817.72	---	---
	Ant1	5180	20.40	5169.84	5190.24	---	---
	Ant2	5180	20.24	5169.92	5190.16	---	---
	Ant1	5200	20.36	5189.84	5210.20	---	---
	Ant2	5200	20.28	5189.88	5210.16	---	---
	Ant1	5240	20.40	5229.80	5250.20	---	---
	Ant2	5240	20.28	5229.88	5250.16	---	---
	Ant1	5260	20.40	5249.80	5270.20	---	---
	Ant2	5260	20.24	5249.88	5270.12	---	---
	Ant1	5280	20.36	5269.80	5290.16	---	---
	Ant2	5280	20.28	5269.88	5290.16	---	---
	Ant1	5320	20.40	5309.80	5330.20	---	---
	Ant2	5320	20.24	5309.88	5330.12	---	---
	Ant1	5500	20.40	5489.84	5510.24	---	---
	Ant2	5500	20.24	5489.88	5510.12	---	---
	Ant1	5580	20.36	5569.84	5590.20	---	---
	Ant2	5580	20.20	5569.92	5590.12	---	---
	Ant1	5700	20.40	5689.84	5710.24	---	---
	Ant2	5700	20.24	5689.92	5710.16	---	---
	Ant1	5720	20.32	5709.84	5730.16	---	---
	Ant2	5720	20.24	5709.92	5730.16	---	---
	Ant1	5720 UNII-2C	15.16	5709.84	5725	---	---
	Ant2	5720 UNII-2C	15.08	5709.92	5725	---	---
	Ant1	5720 UNII-3	5.16	5725	5730.16	---	---
	Ant2	5720 UNII-3	5.16	5725	5730.16	---	---
	Ant1	5745	20.28	5734.88	5755.16	---	---
	Ant2	5745	20.28	5734.92	5755.20	---	---
	Ant1	5785	20.28	5774.88	5795.16	---	---
	Ant2	5785	20.28	5774.92	5795.20	---	---
	Ant1	5825	20.28	5814.88	5835.16	---	---
	Ant2	5825	20.24	5814.92	5835.16	---	---

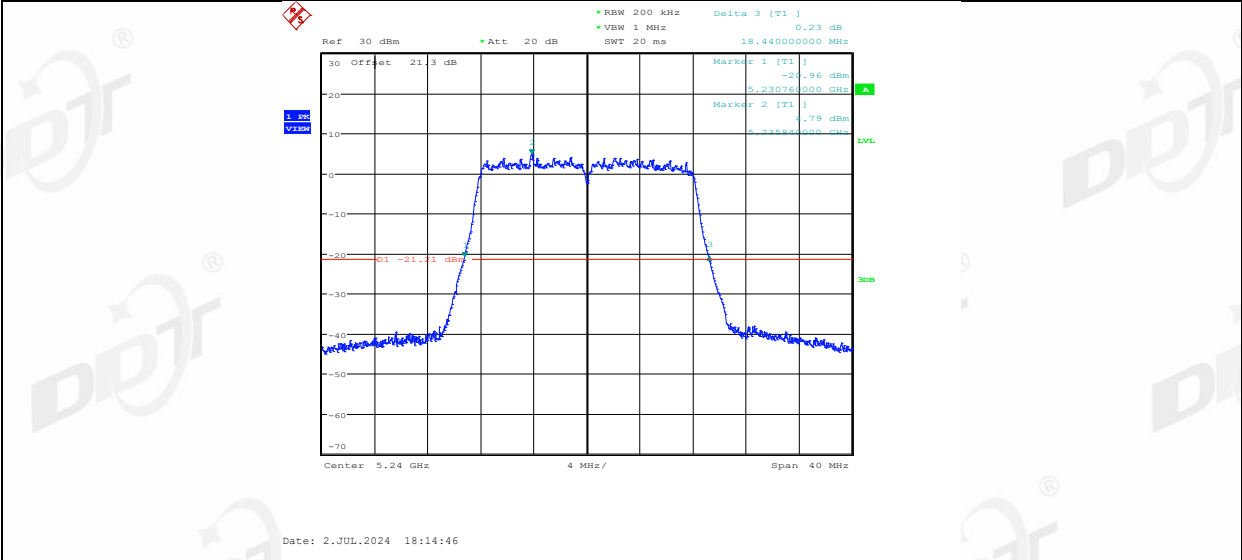
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	Ant2	5190	39.20	5170.40	5209.60	---	---
	Ant1	5230	39.20	5210.40	5249.60	---	---
	Ant2	5230	39.28	5210.32	5249.60	---	---
	Ant1	5270	39.20	5250.40	5289.60	---	---
	Ant2	5270	39.28	5250.32	5289.60	---	---
	Ant1	5310	39.28	5290.32	5329.60	---	---
	Ant2	5310	39.28	5290.32	5329.60	---	---
	Ant1	5510	40.24	5489.92	5530.16	---	---
	Ant2	5510	40.32	5489.84	5530.16	---	---
	Ant1	5550	40.16	5530.00	5570.16	---	---
	Ant2	5550	40.40	5529.84	5570.24	---	---
	Ant1	5670	40.08	5650.00	5690.08	---	---
	Ant2	5670	40.32	5649.84	5690.16	---	---
	Ant1	5710	40.00	5690.00	5730.00	---	---
	Ant2	5710	40.40	5689.76	5730.16	---	---
	Ant1	5710 UNII-2C	35	5690.00	5725	---	---
	Ant2	5710 UNII-2C	35.24	5689.76	5725	---	---
	Ant1	5710 UNII-3	5	5725	5730.00	---	---
	Ant2	5710 UNII-3	5.16	5725	5730.16	---	---
	Ant1	5755	40.24	5734.92	5775.16	---	---
	Ant2	5755	40.40	5734.84	5775.24	---	---
	Ant1	5795	40.16	5774.92	5815.08	---	---
	Ant2	5795	40.24	5774.92	5815.16	---	---
11AX80MIMO	Ant1	5210	81.12	5169.52	5250.64	---	---
	Ant2	5210	81.92	5169.20	5251.12	---	---
	Ant1	5290	81.12	5249.36	5330.48	---	---
	Ant2	5290	81.92	5248.88	5330.80	---	---
	Ant1	5530	80.80	5489.84	5570.64	---	---
	Ant2	5530	81.92	5489.04	5570.96	---	---
	Ant1	5610	80.96	5569.68	5650.64	---	---
	Ant2	5610	81.76	5569.20	5650.96	---	---
	Ant1	5690	81.12	5649.52	5730.64	---	---
	Ant2	5690	82.08	5648.88	5730.96	---	---
	Ant1	5690 UNII-2C	75.48	5649.52	5725	---	---
	Ant2	5690 UNII-2C	76.12	5648.88	5725	---	---
	Ant1	5690 UNII-3	5.64	5725	5730.64	---	---
	Ant2	5690 UNII-3	5.96	5725	5730.96	---	---
	Ant1	5775	80.96	5734.68	5815.64	---	---
	Ant2	5775	81.60	5734.36	5815.96	---	---

4.5. Test graphs

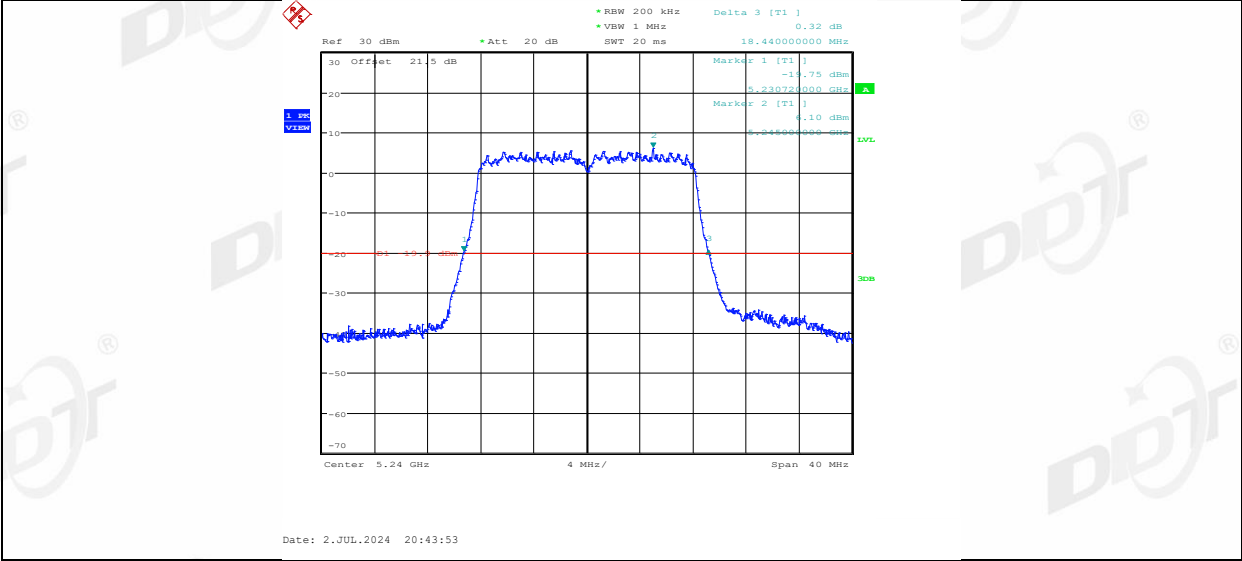




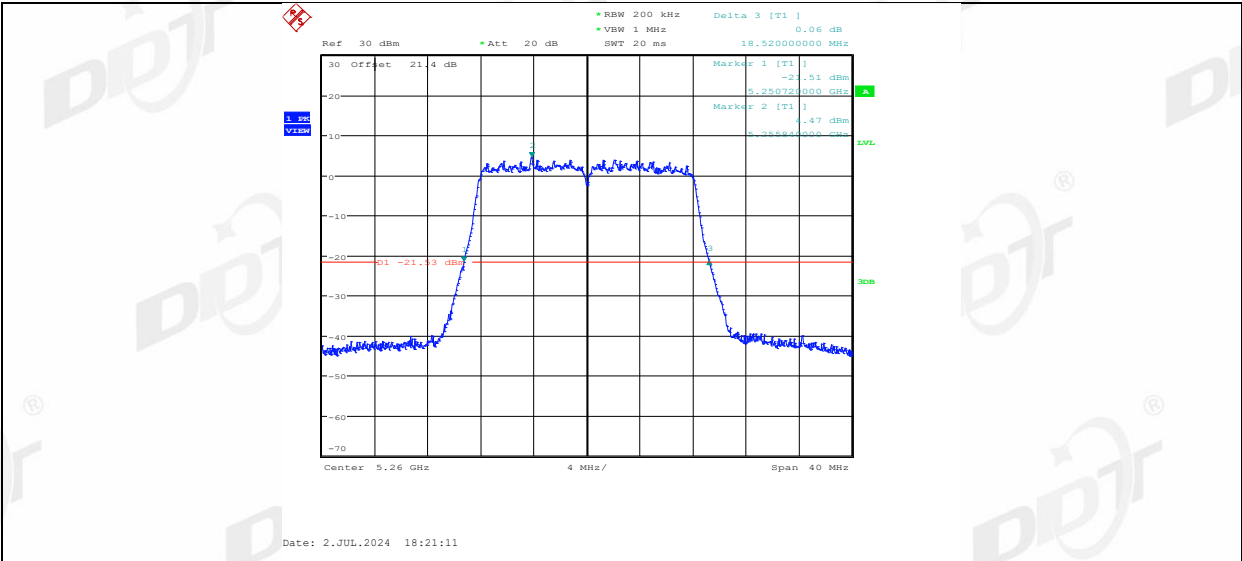
11A_Ant1_5240



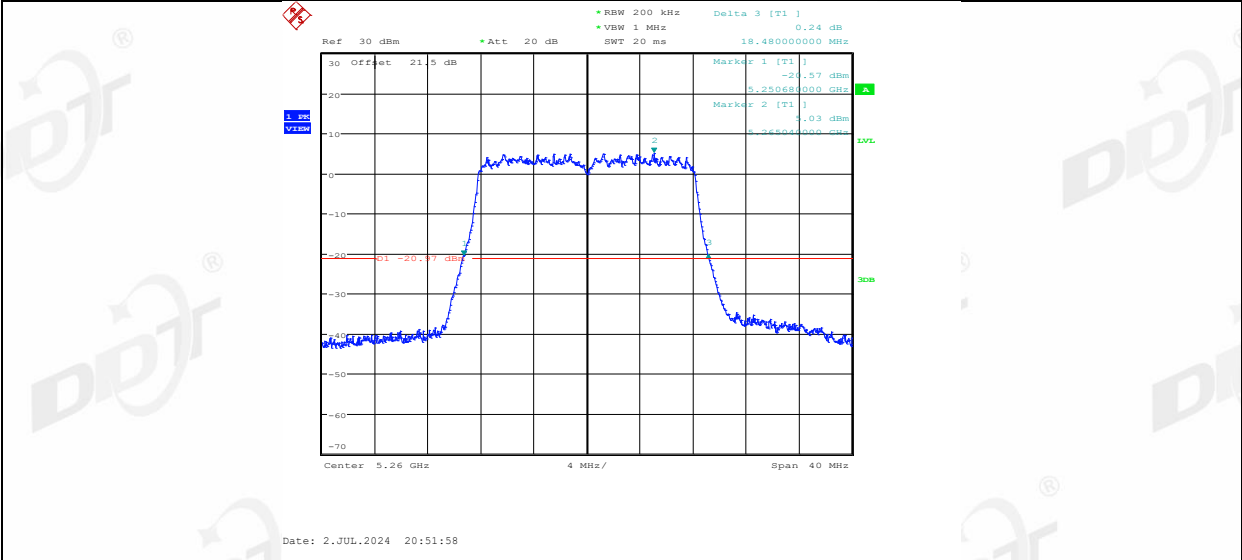
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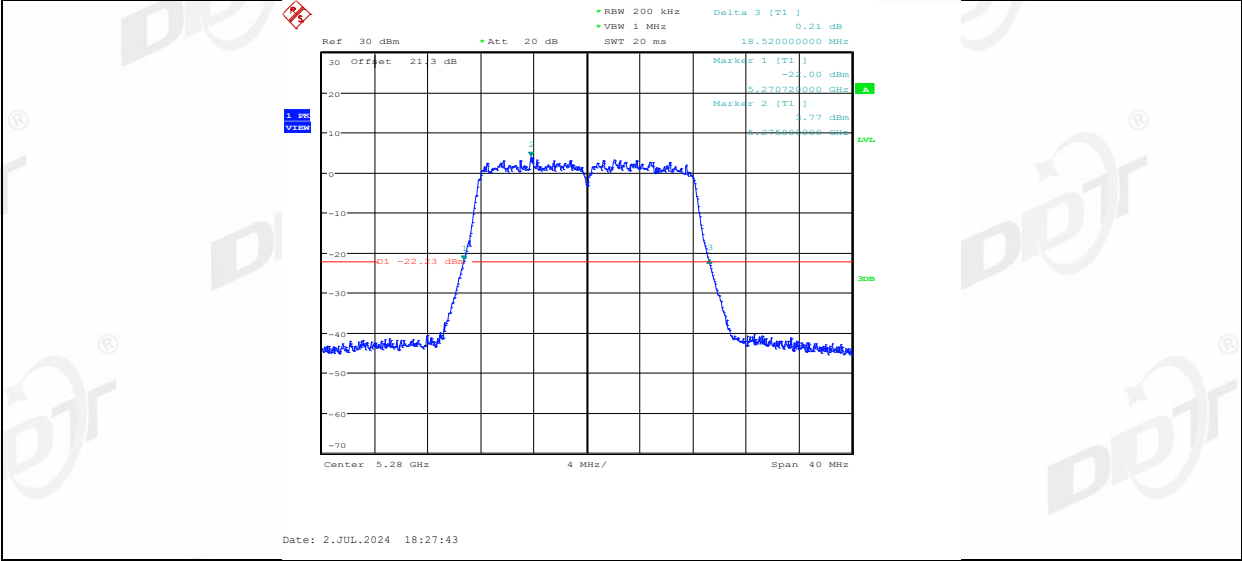
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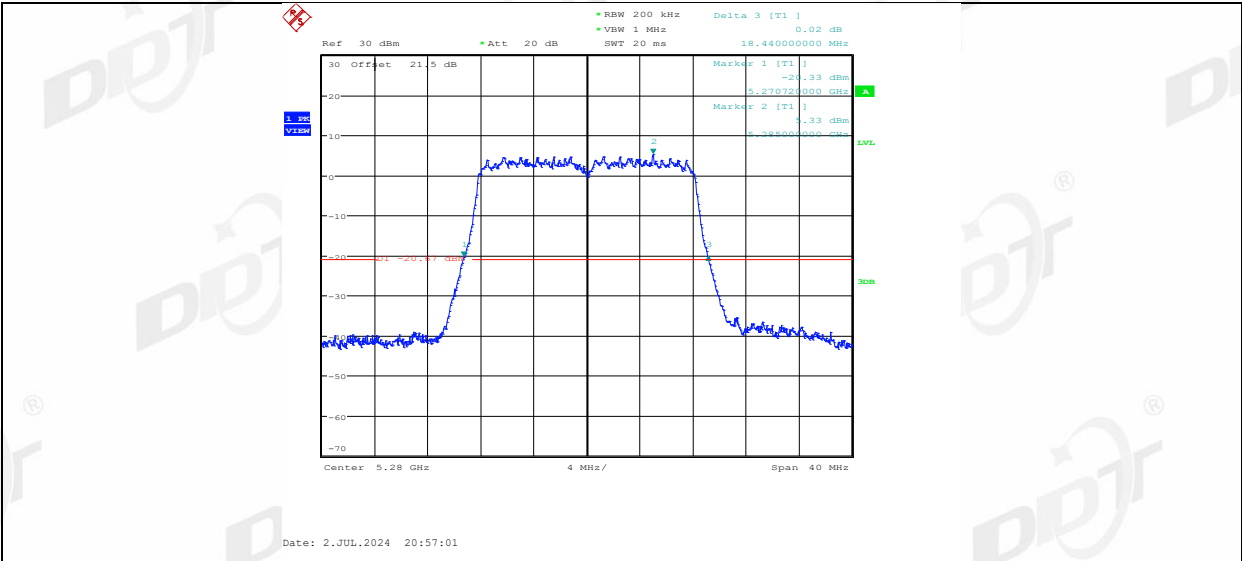
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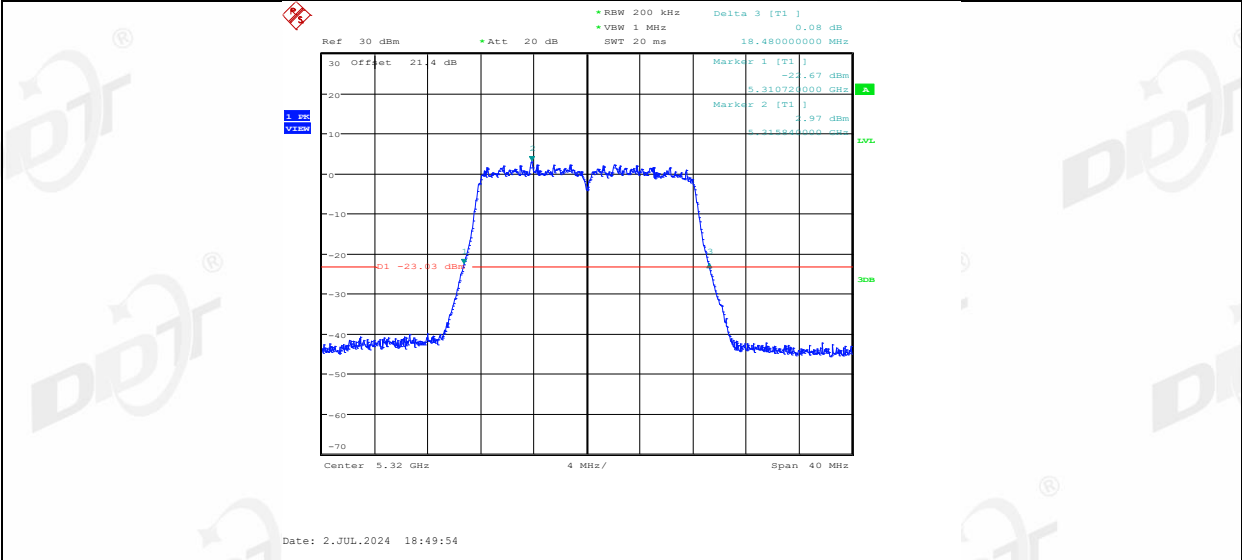
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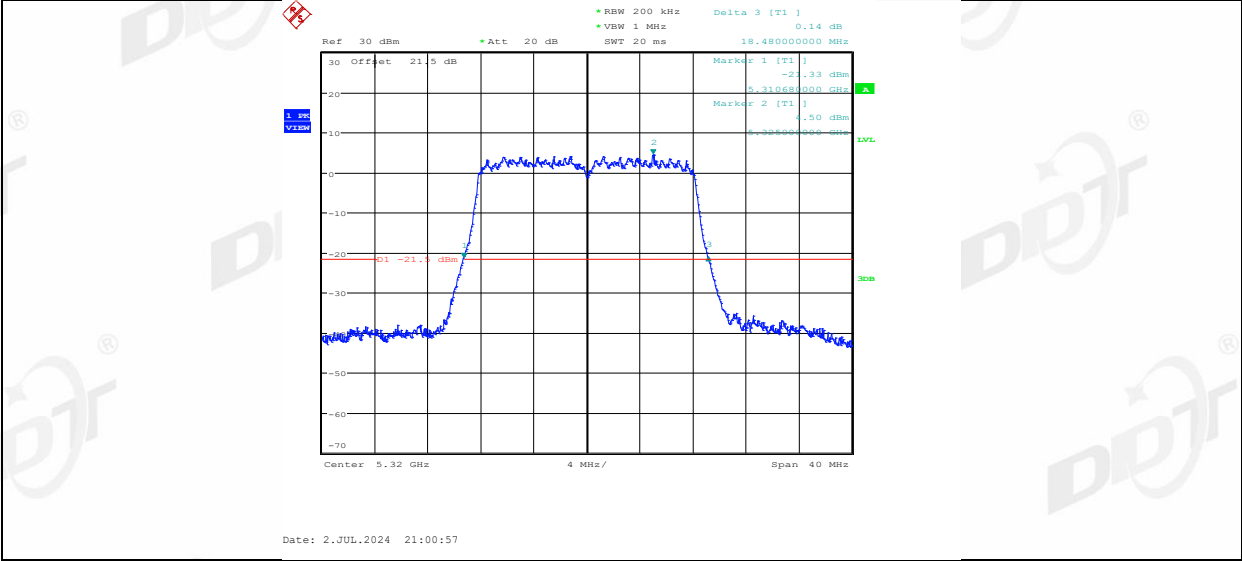
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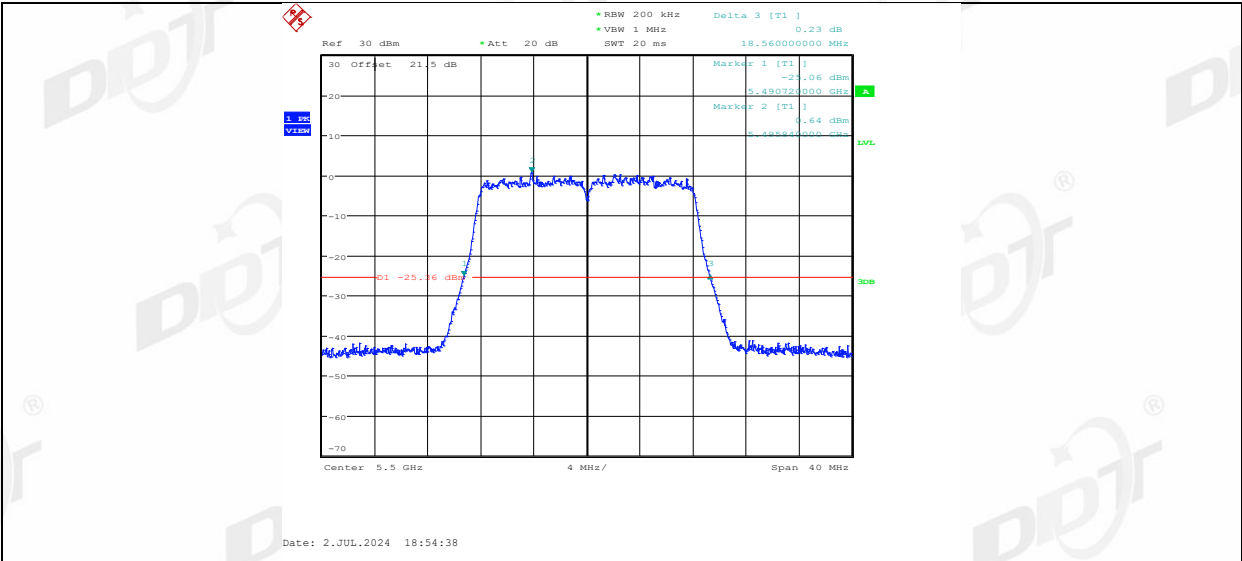
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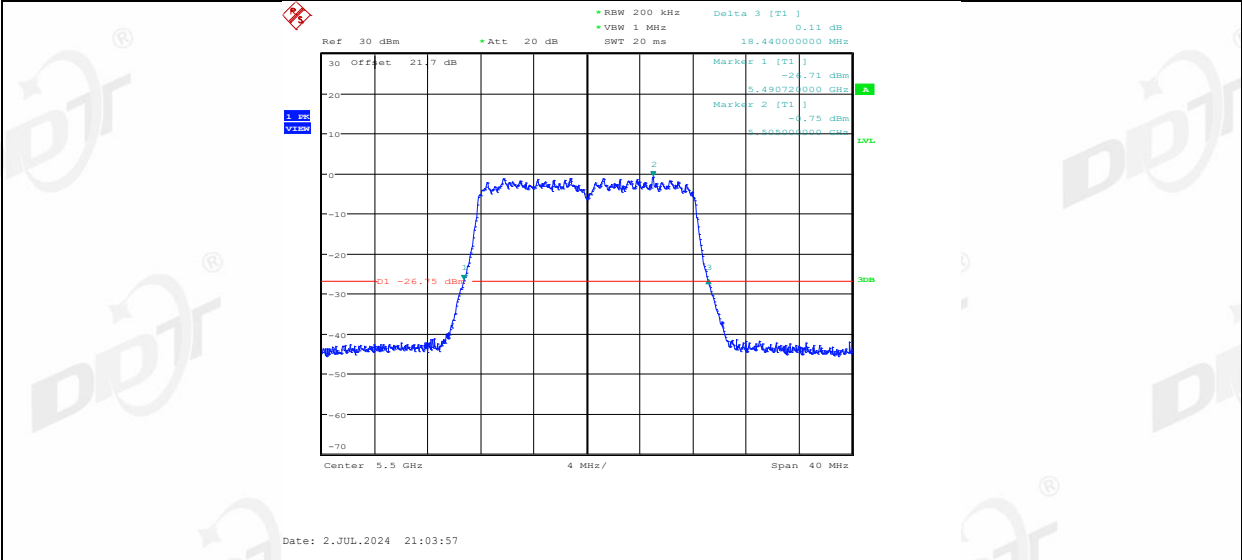
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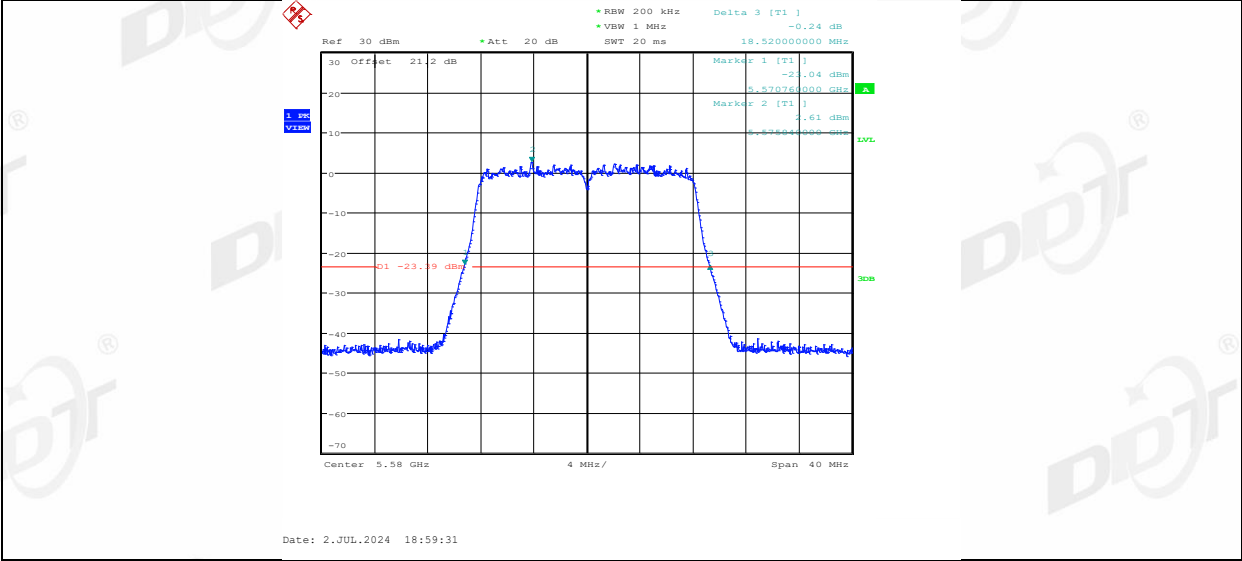
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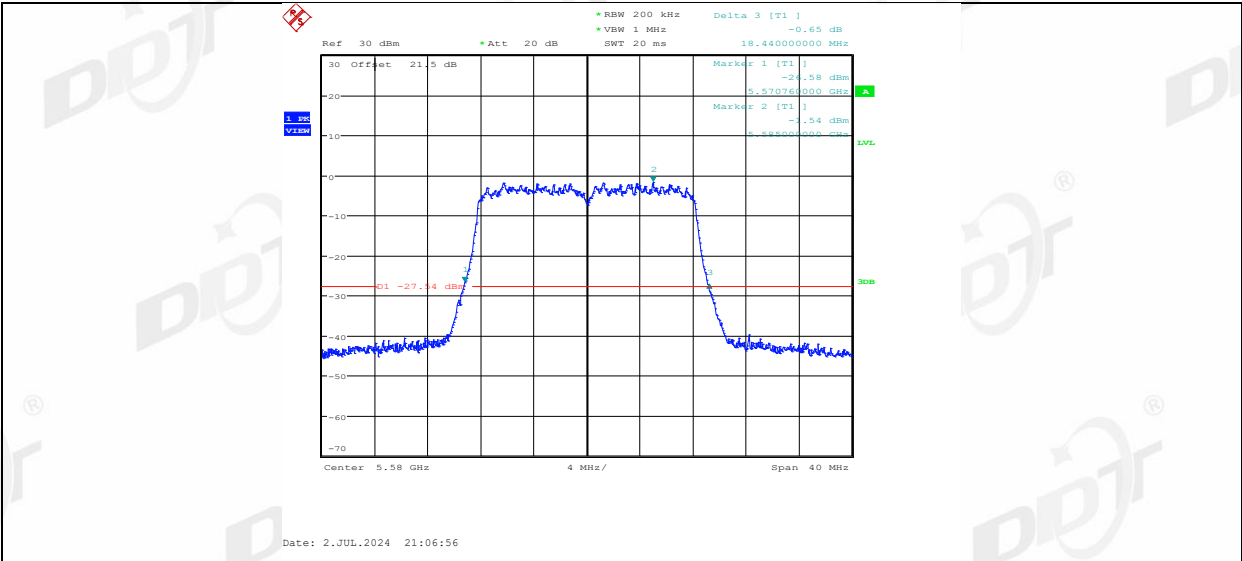
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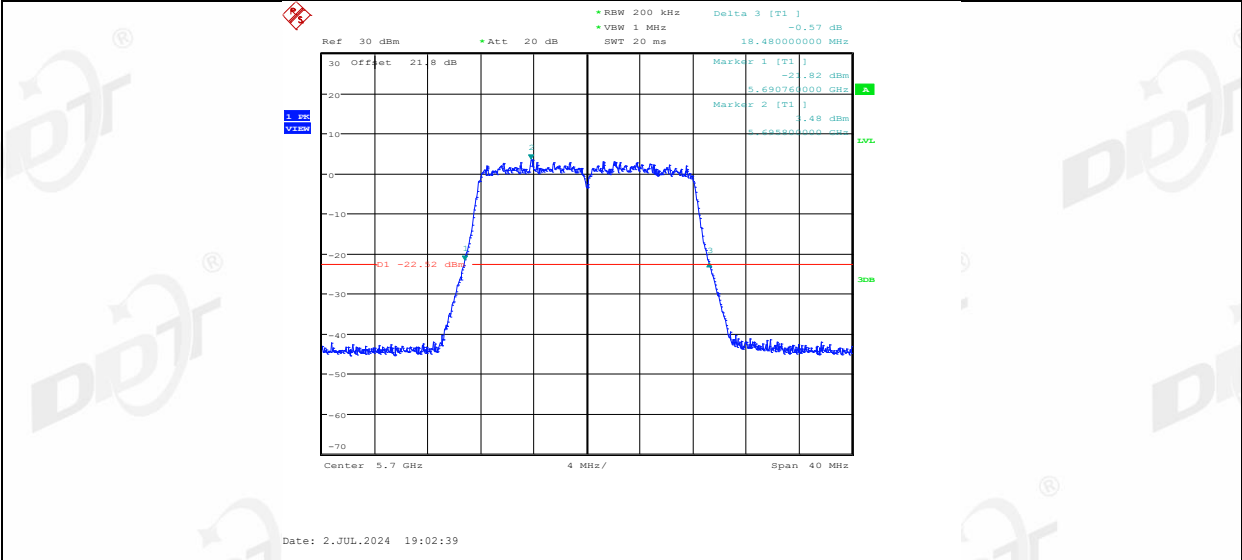
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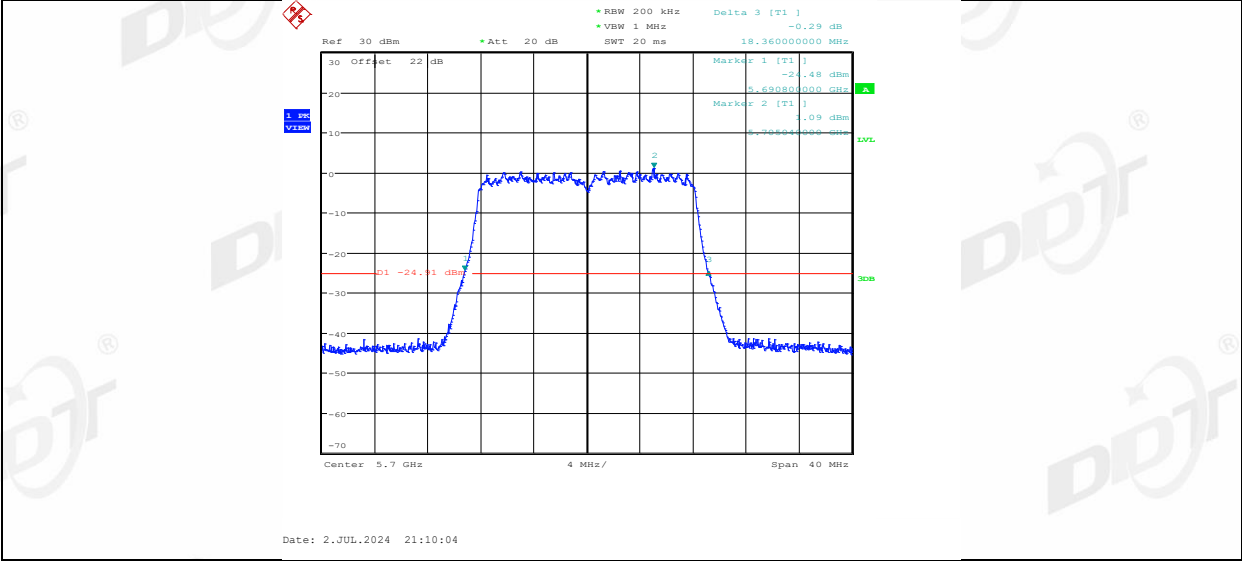
11A_Ant2_5580



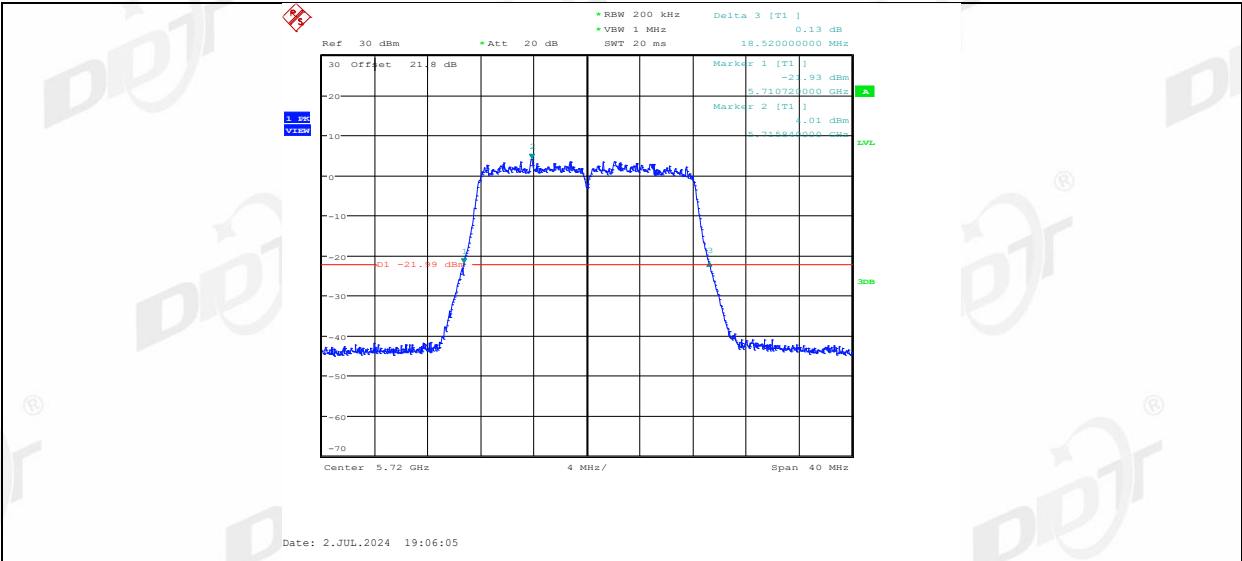
11A_Ant1_5700



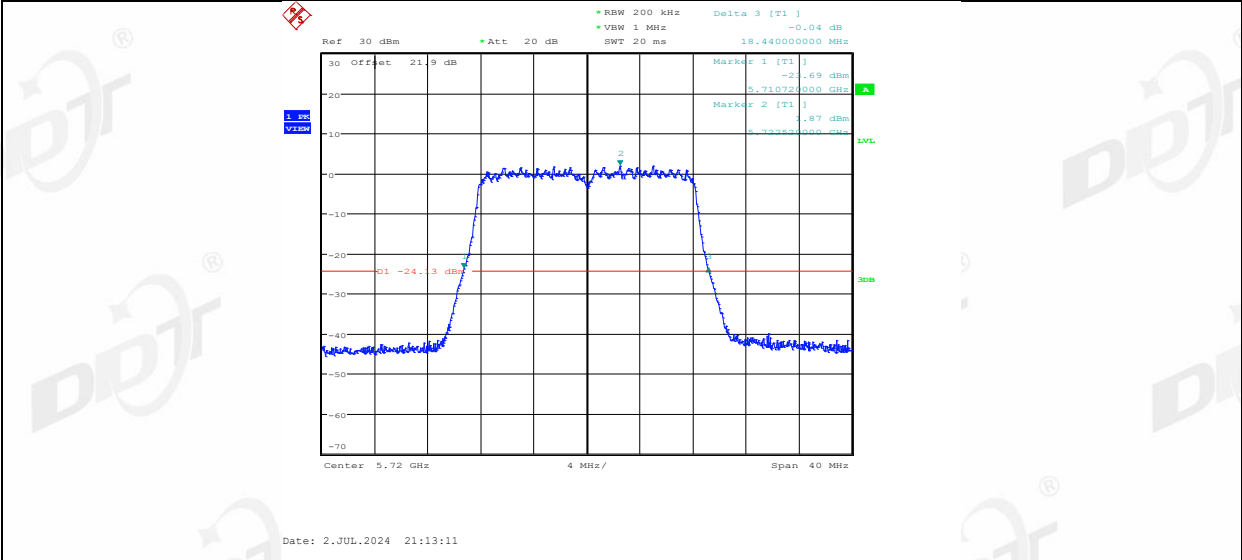
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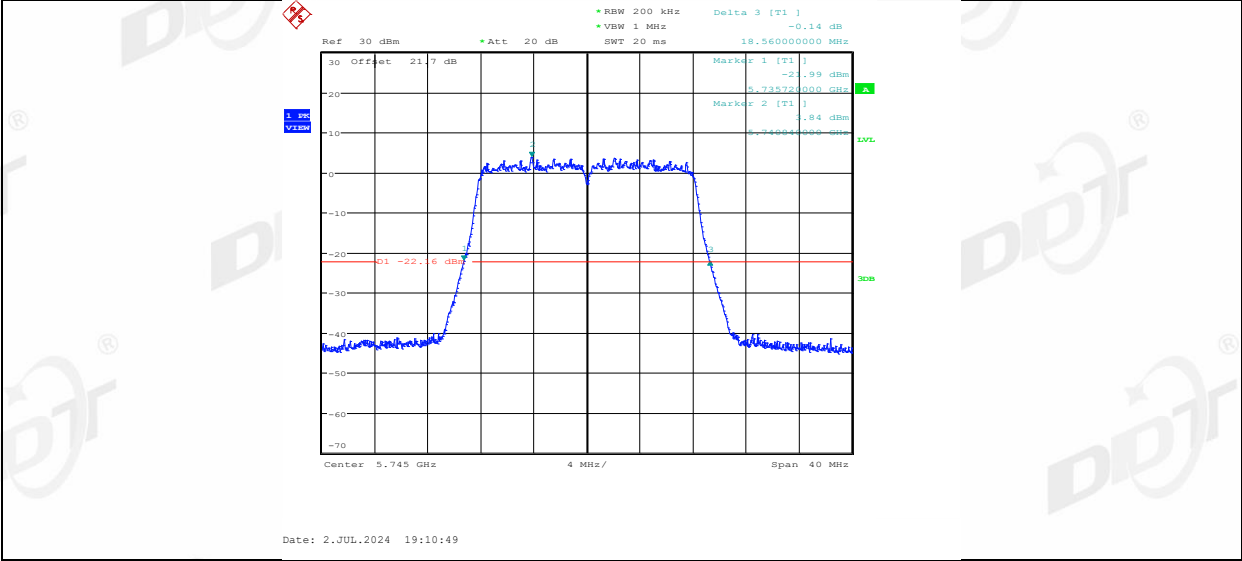
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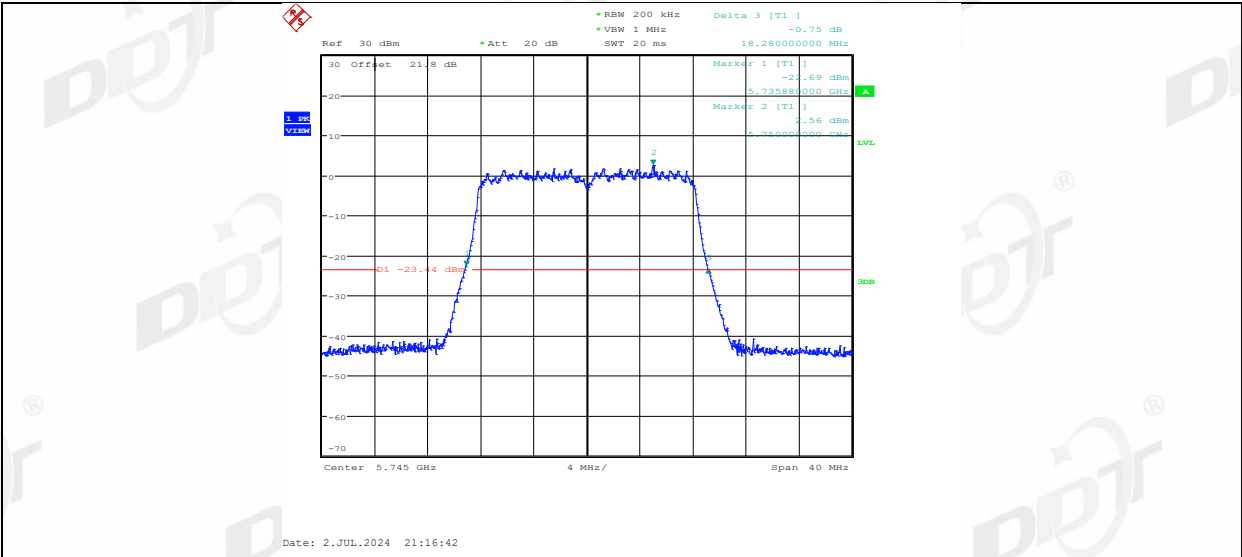
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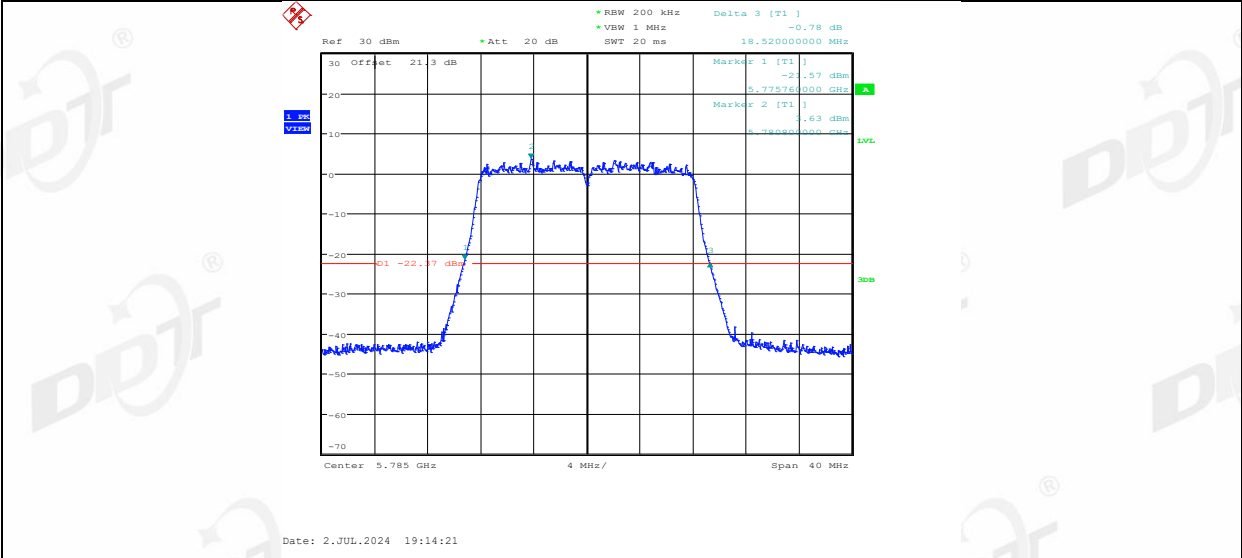
11A_Ant1_5745



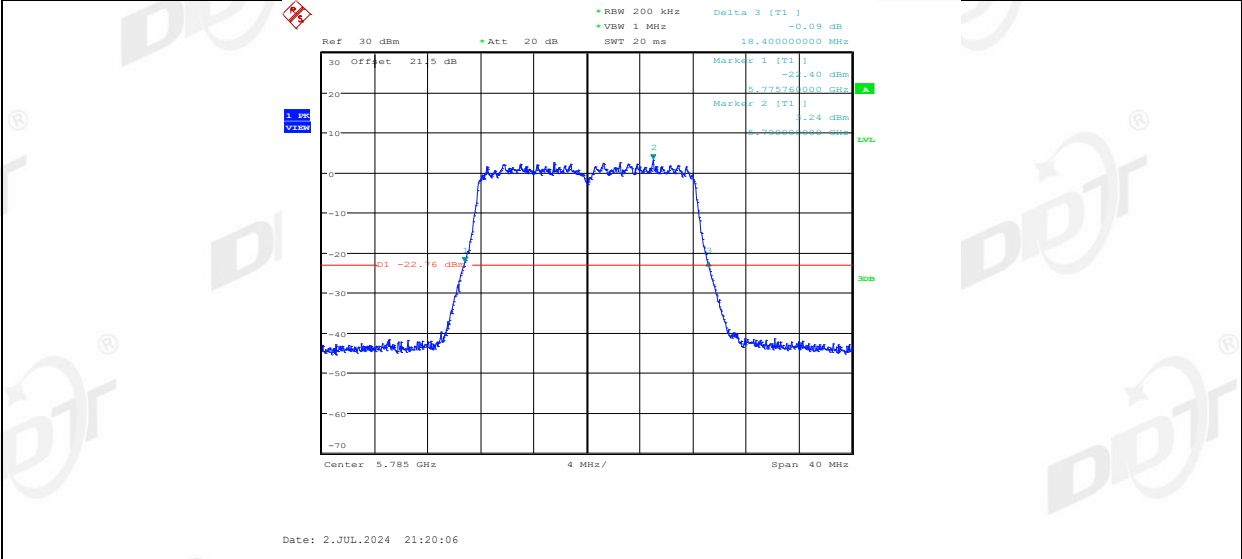
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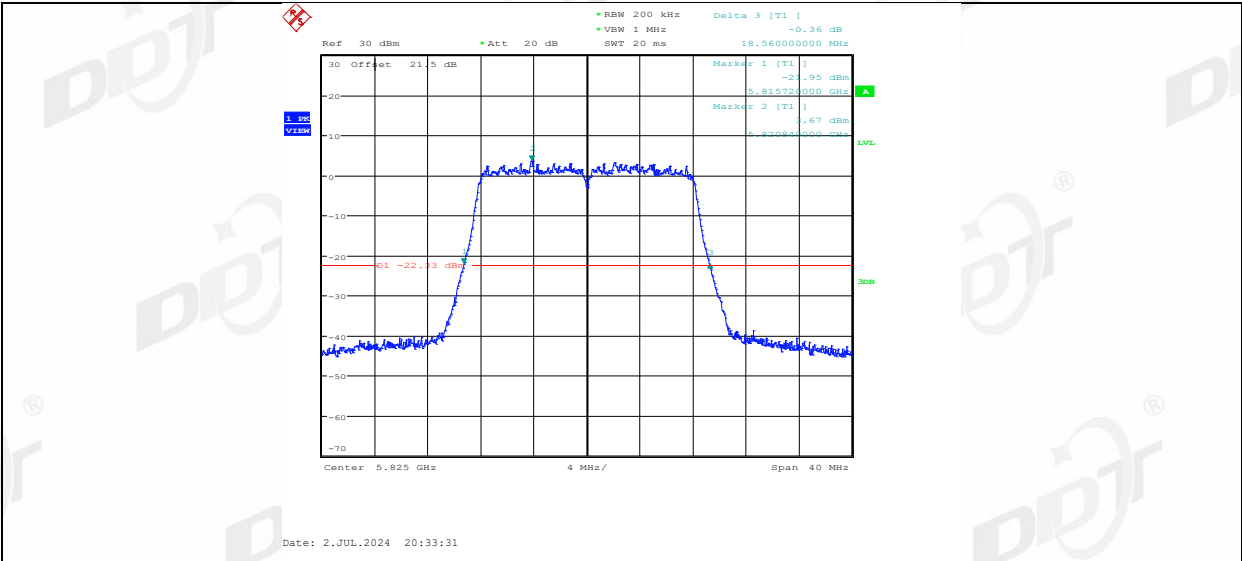
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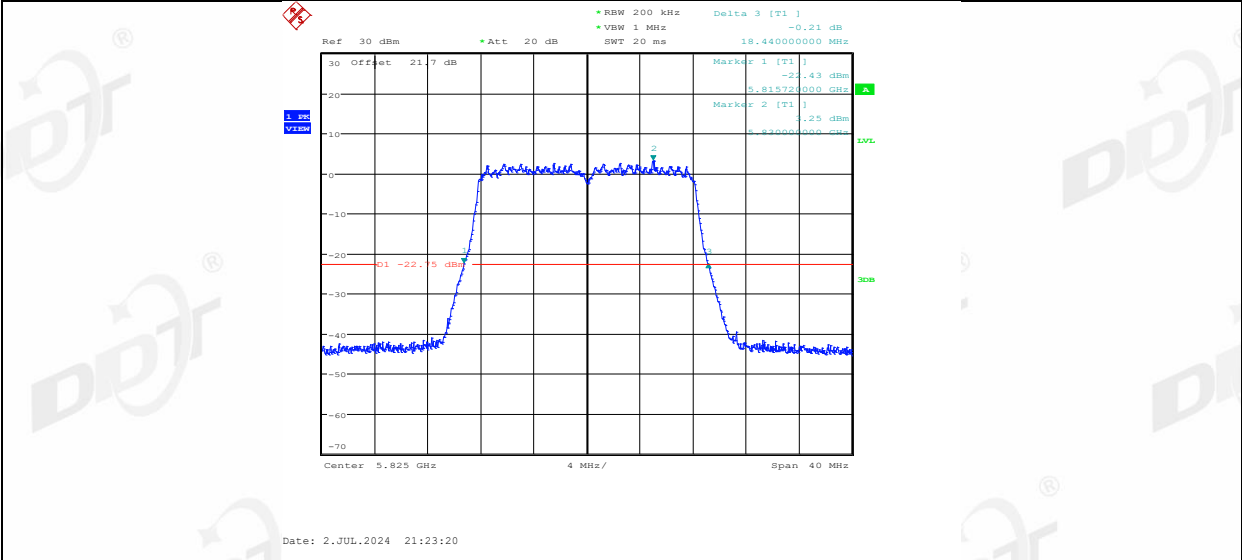
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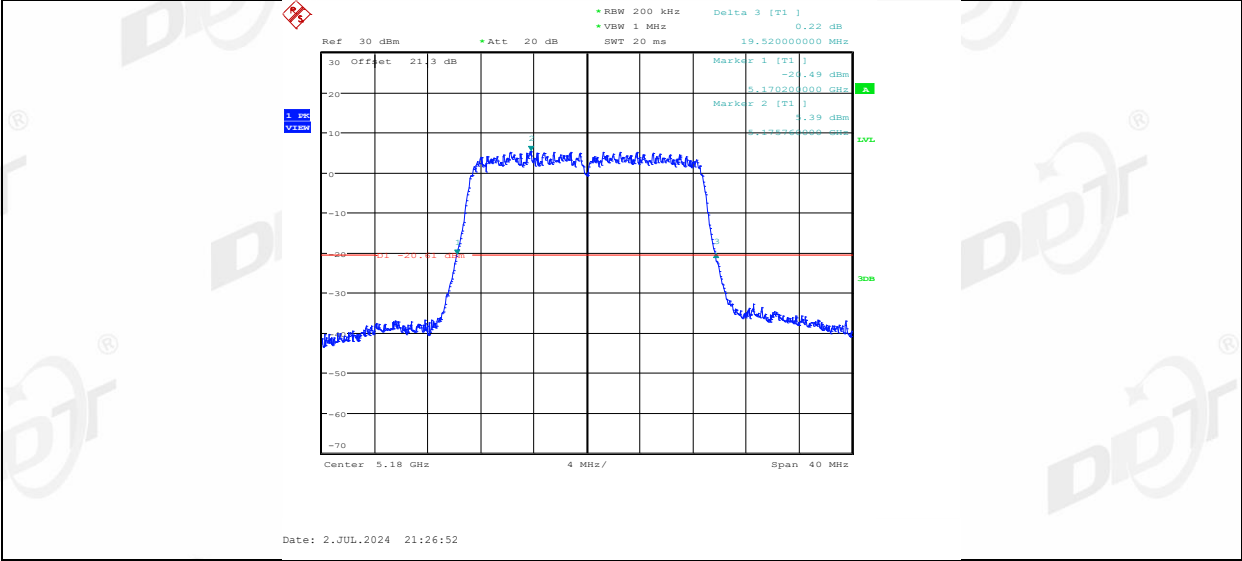
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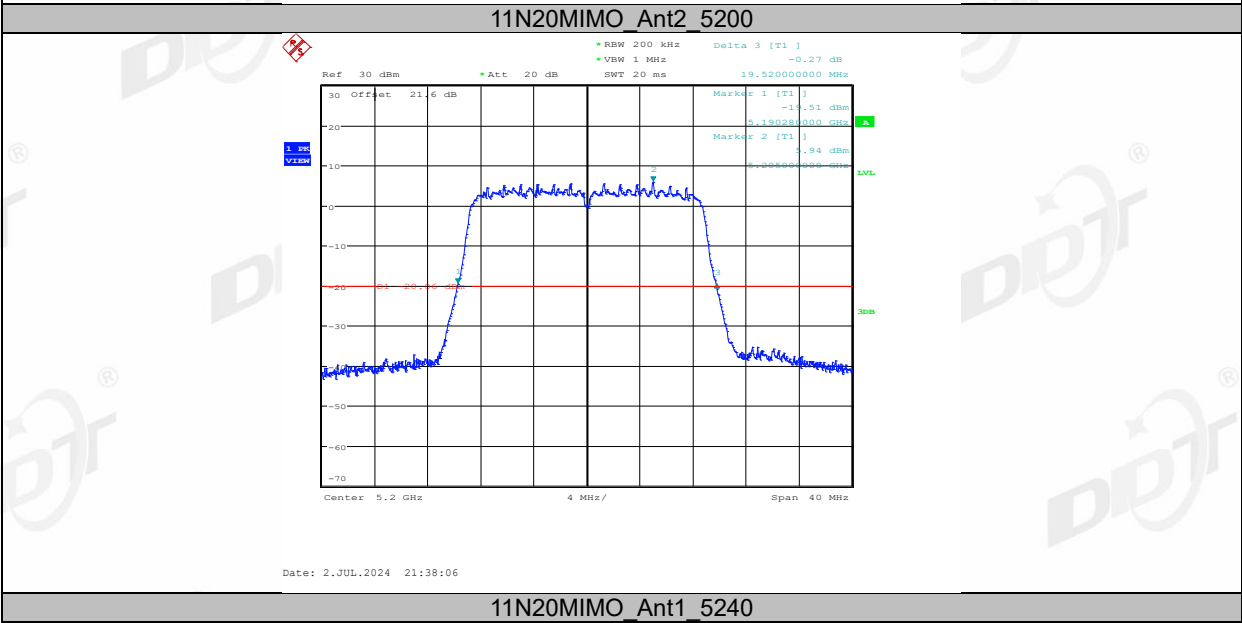
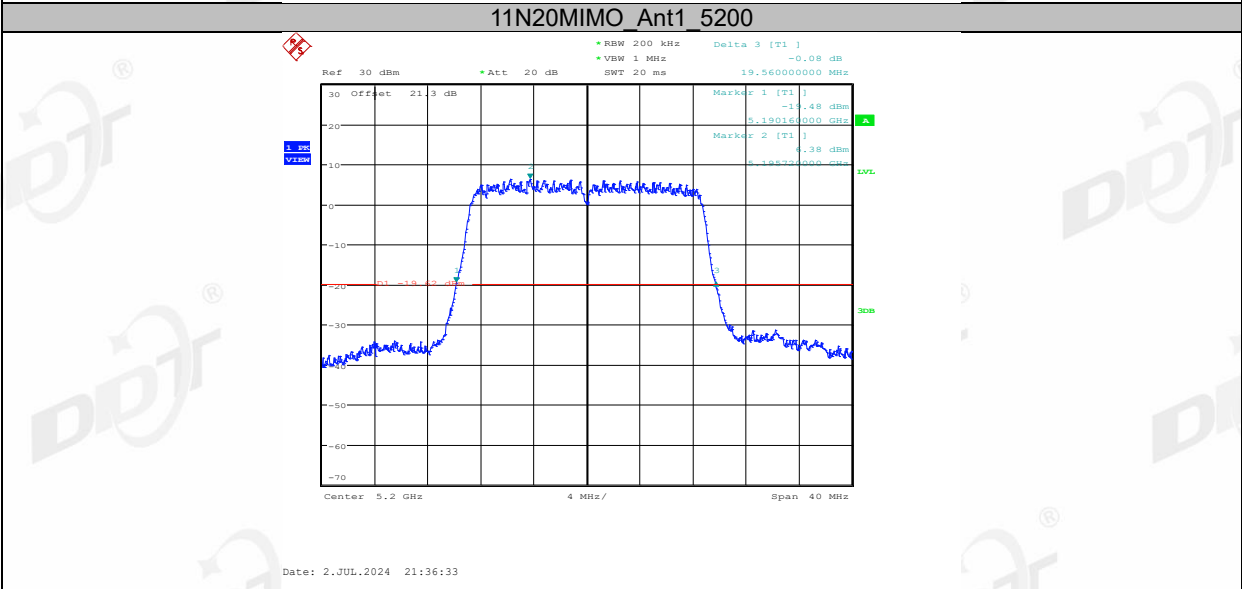
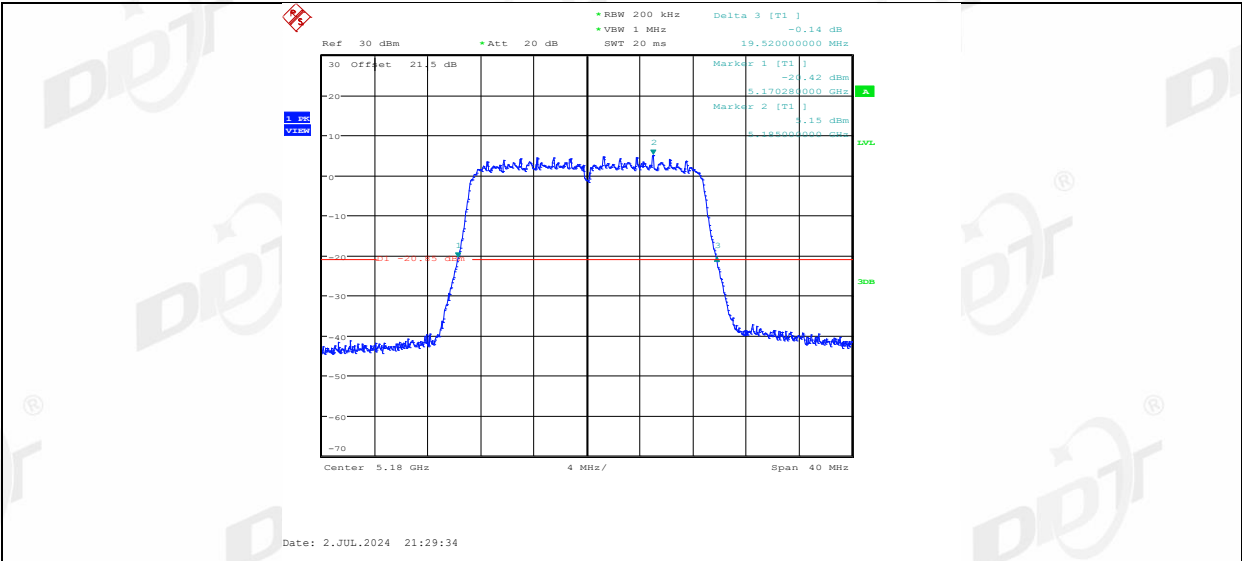
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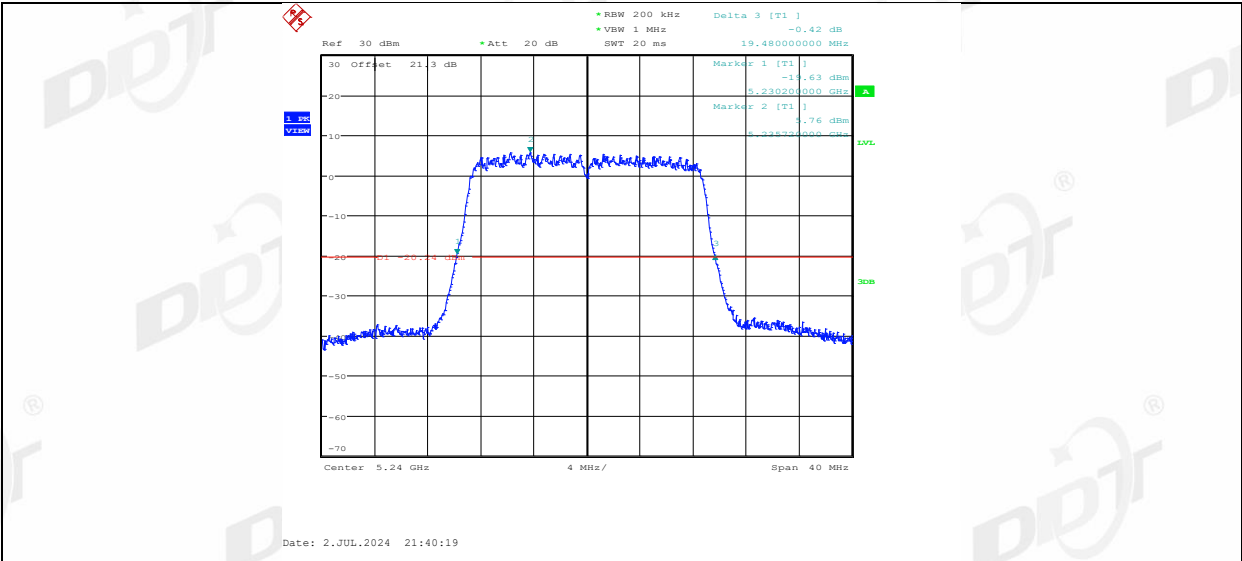


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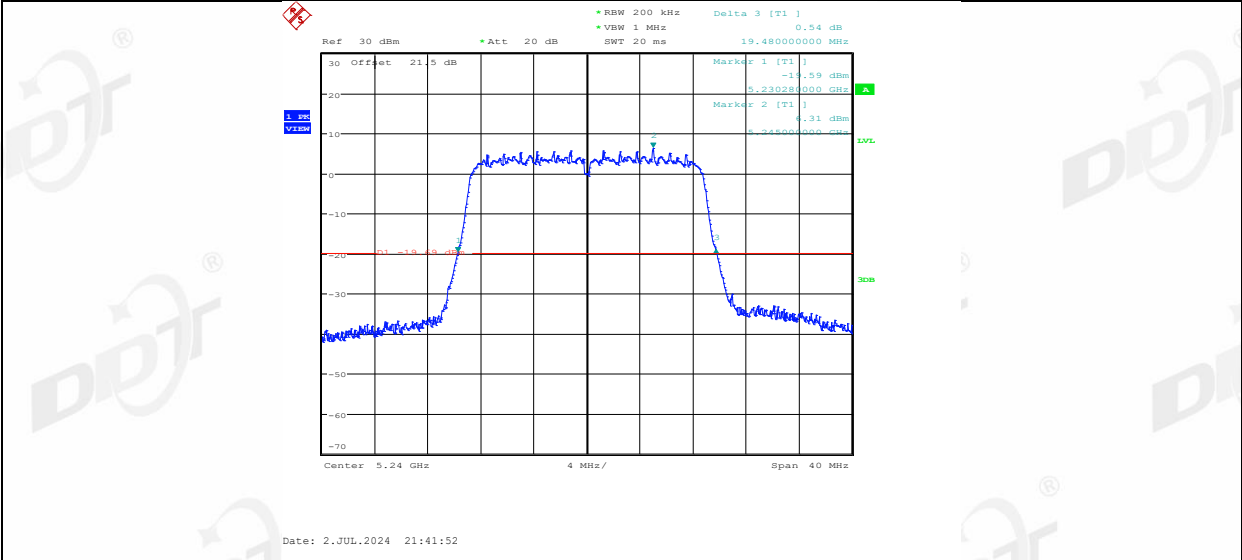


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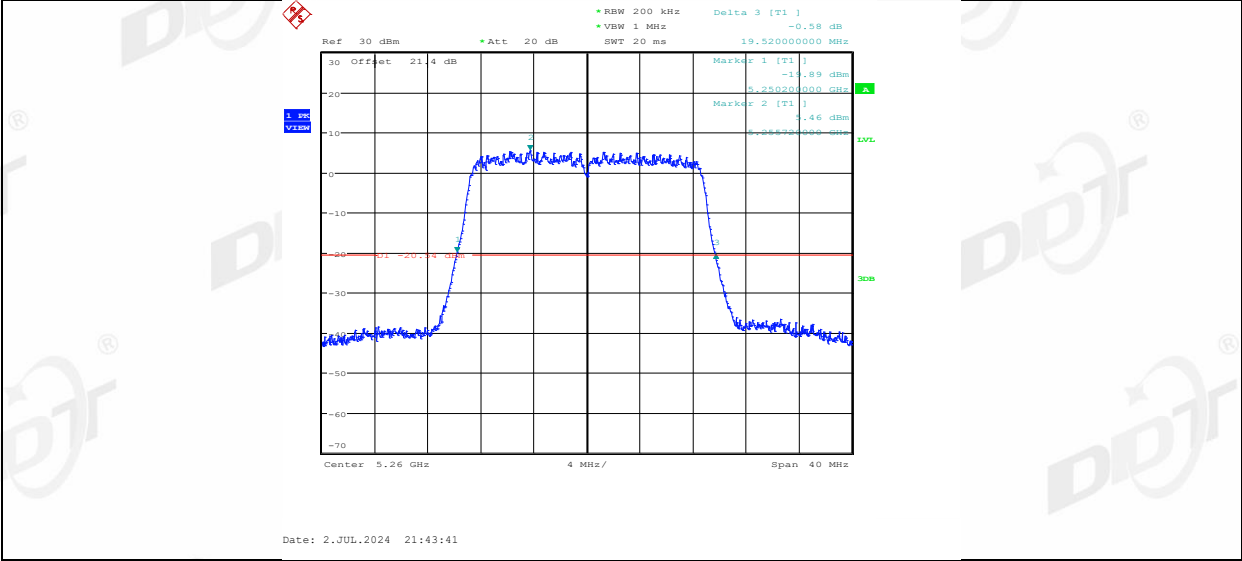




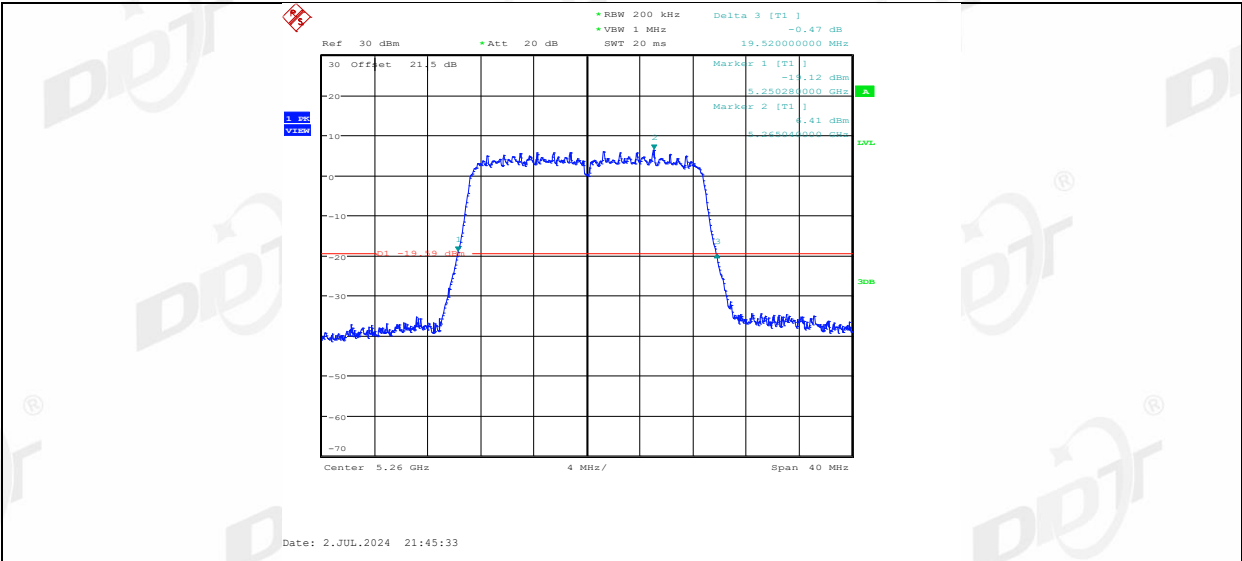
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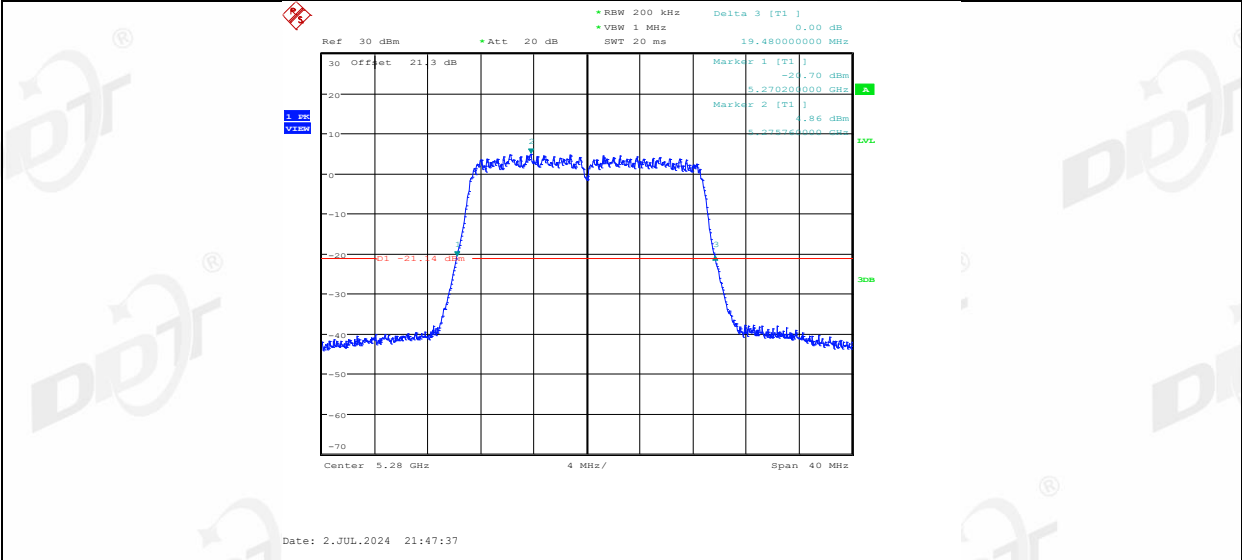
11N20MIMO_Ant1_5260



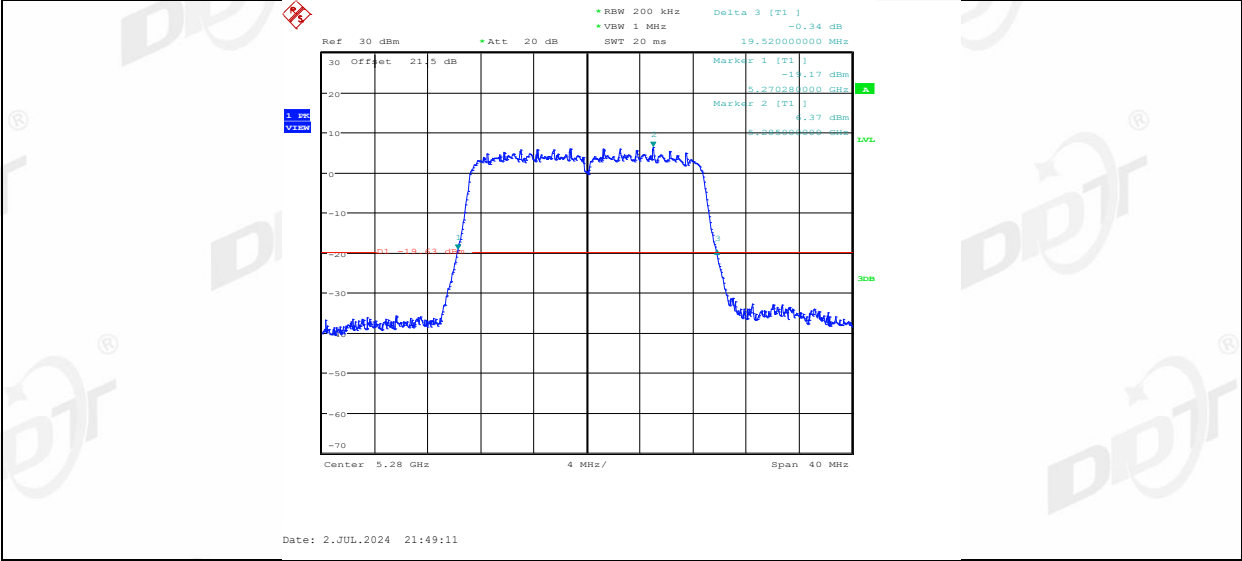
11N20MIMO_Ant2_5260



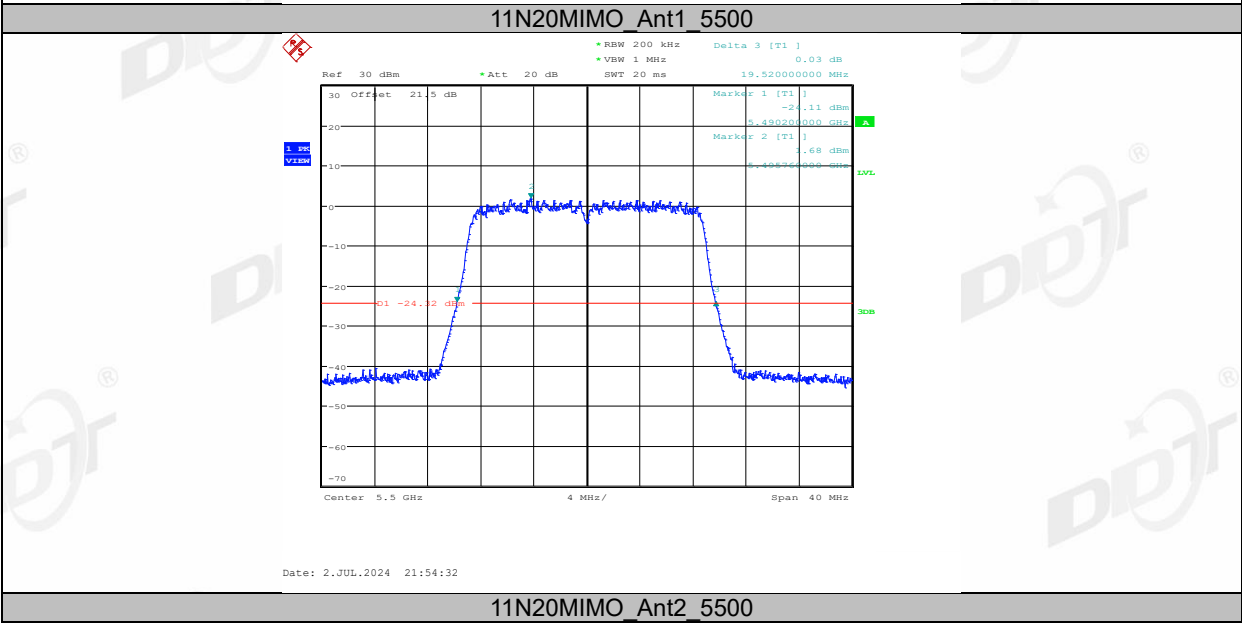
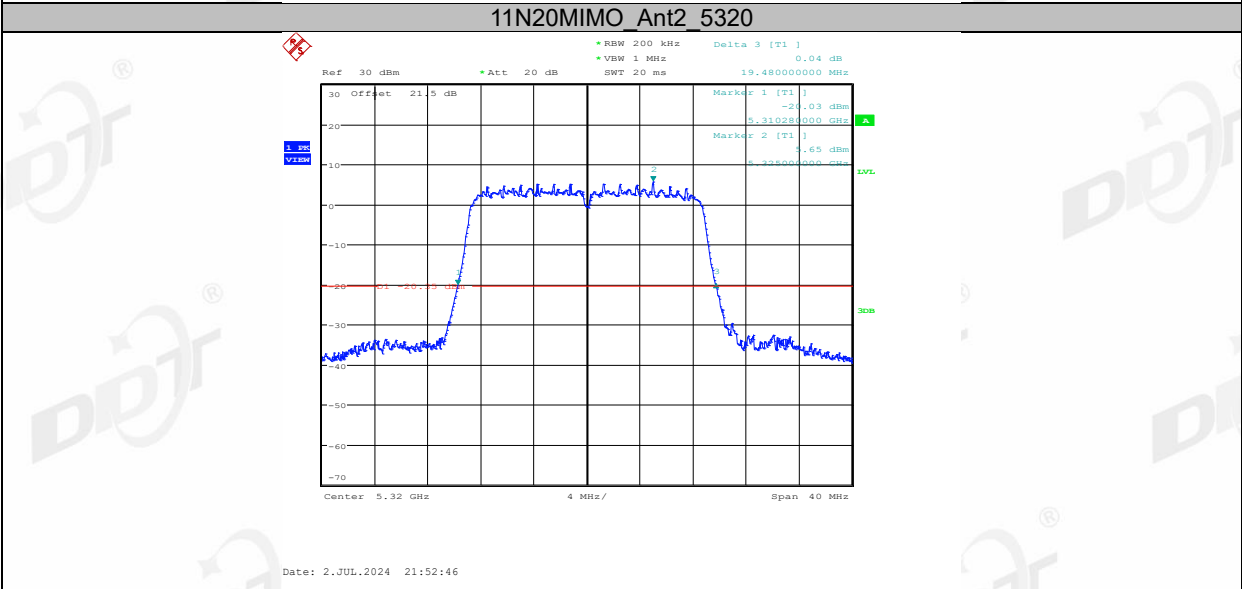
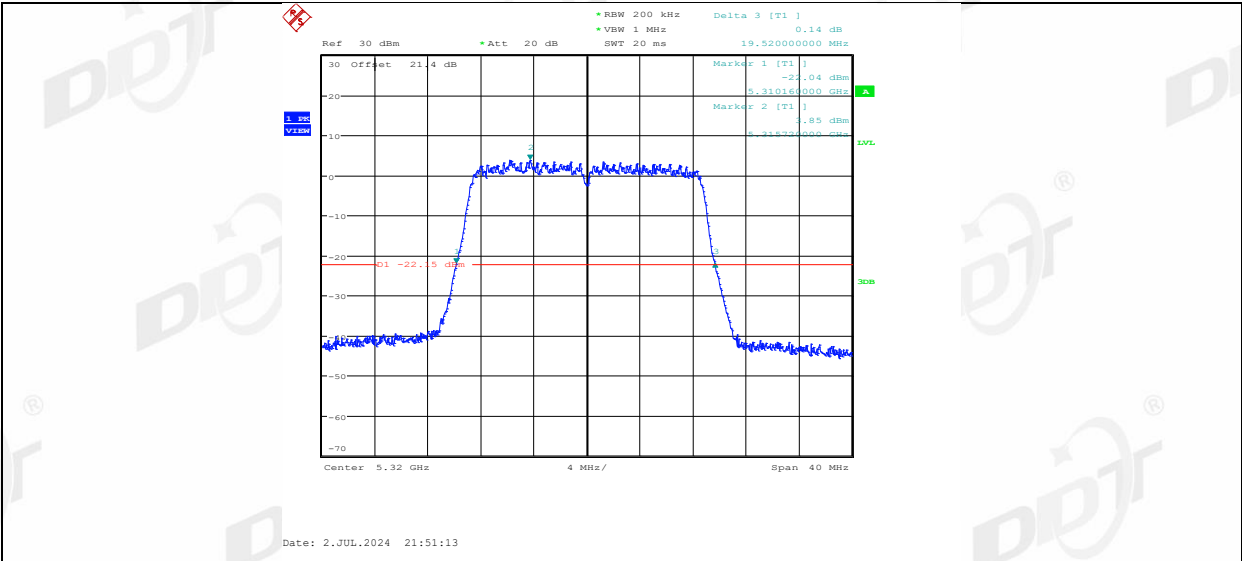
11N20MIMO_Ant1_5280

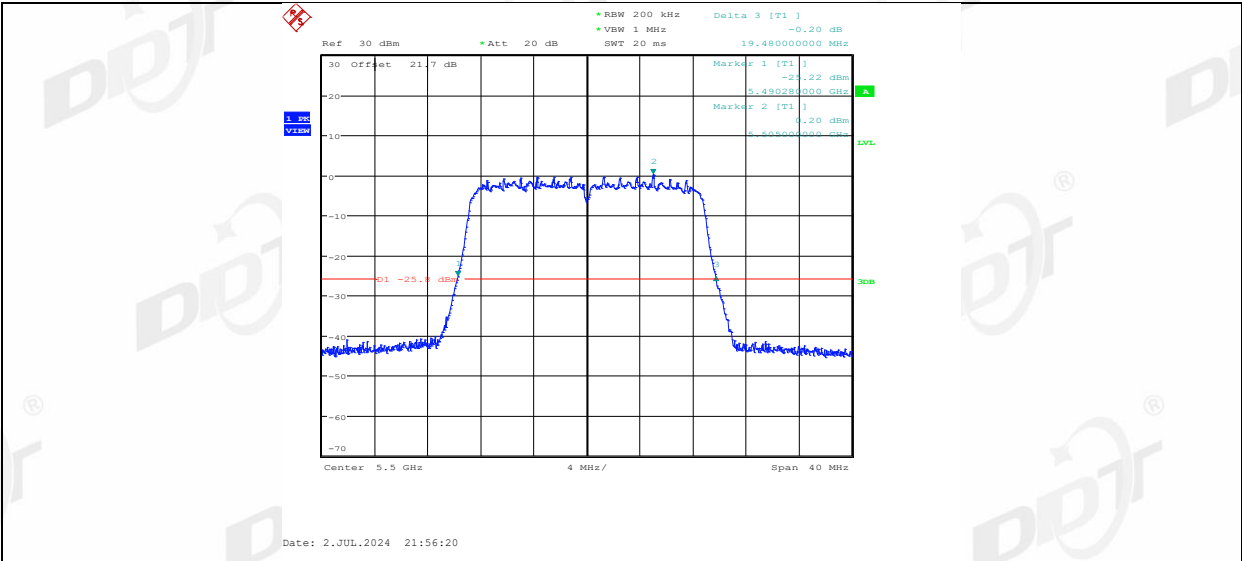


11N20MIMO_Ant2_5280

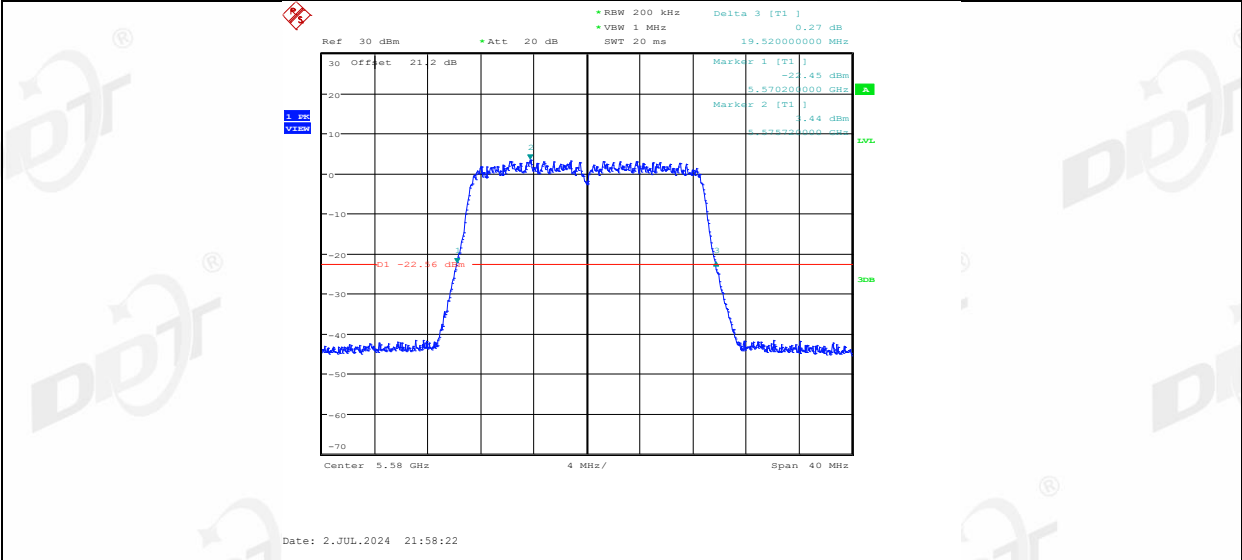


11N20MIMO_Ant1_5320

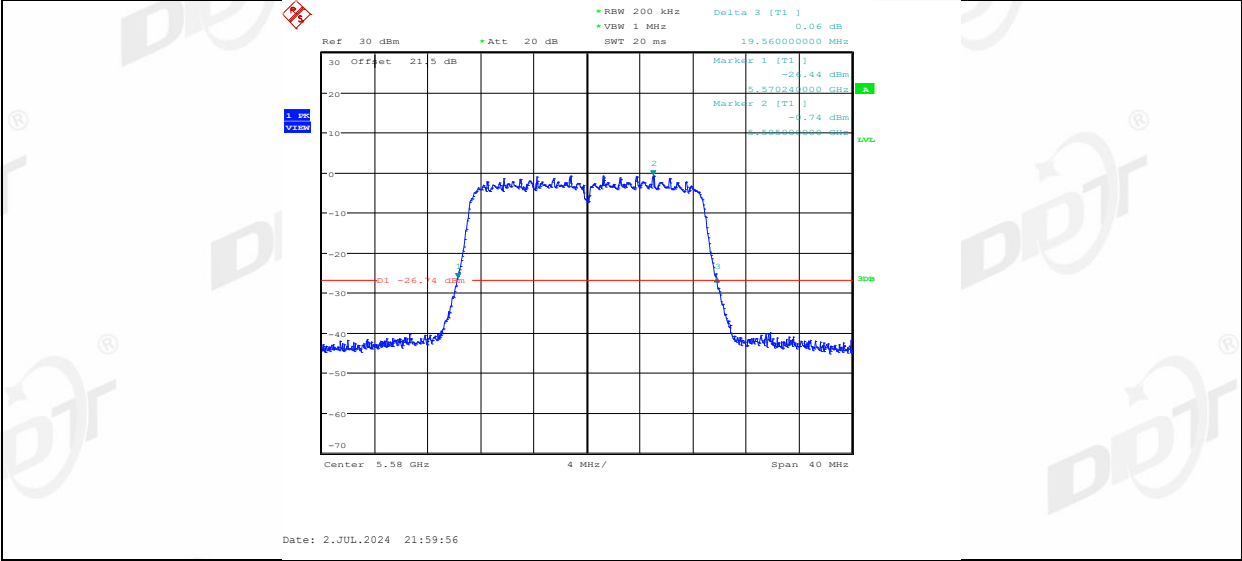




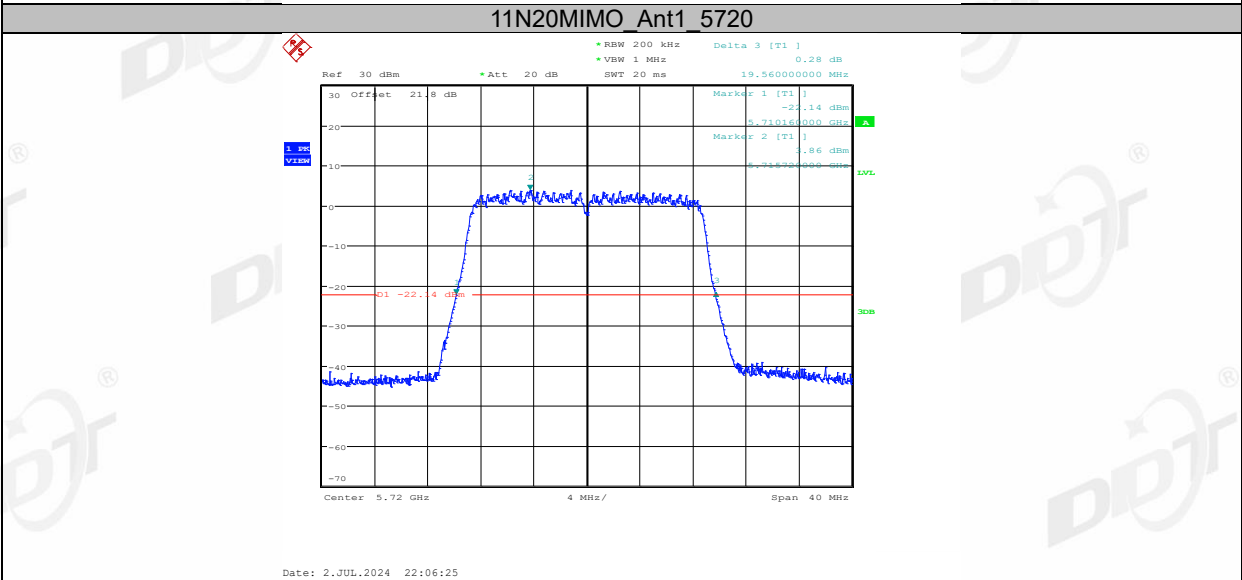
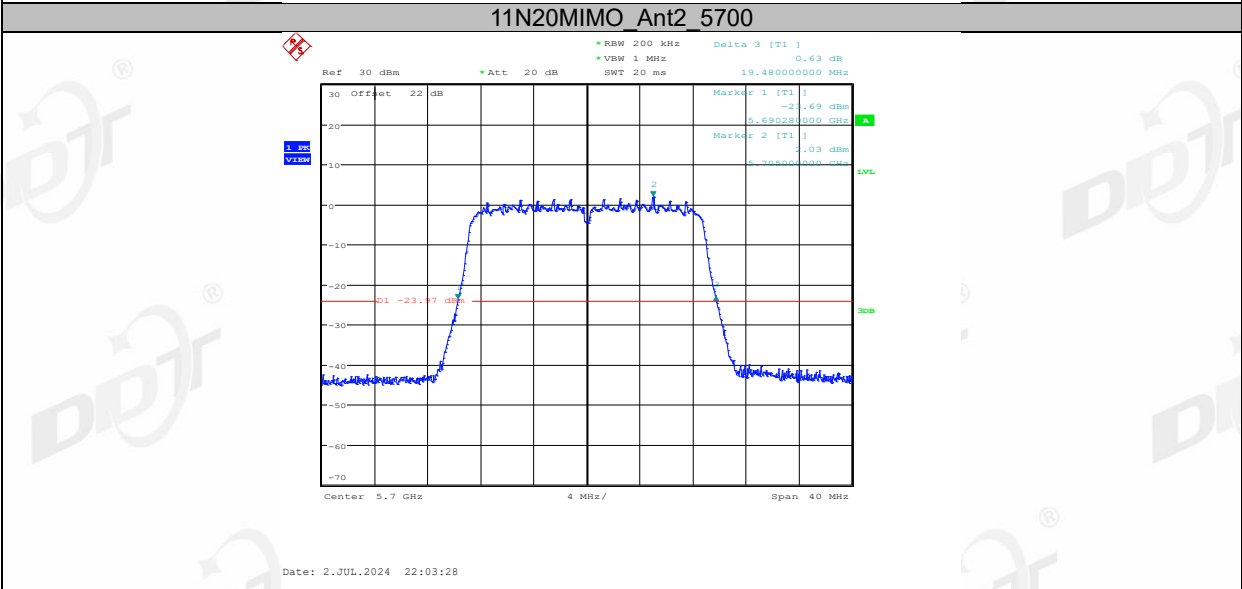
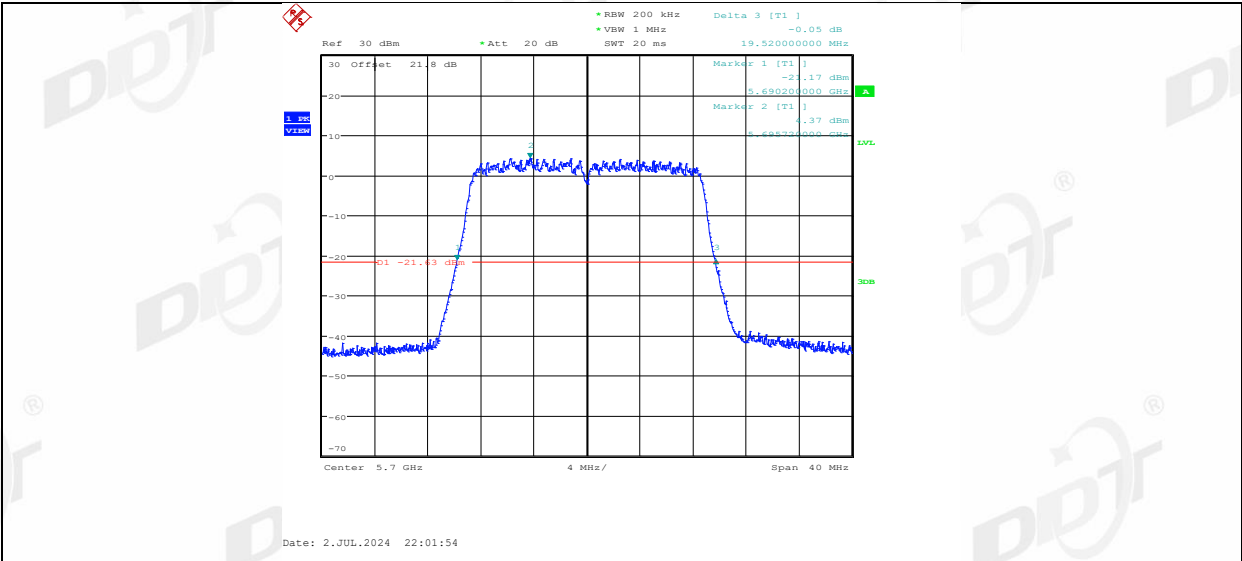
11N20MIMO_Ant1_5580



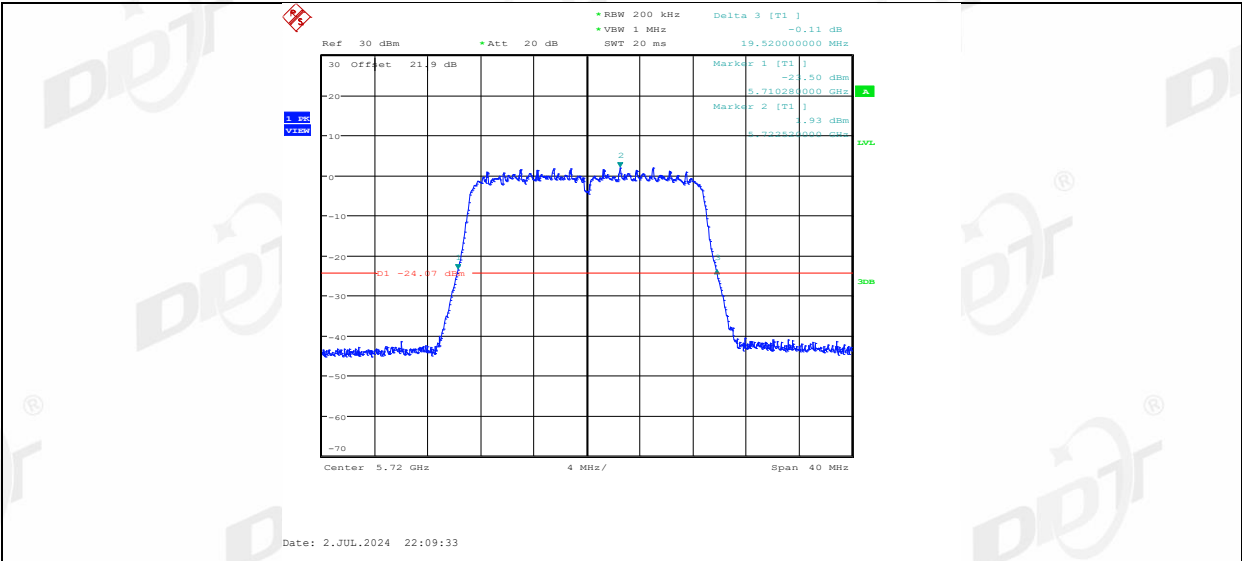
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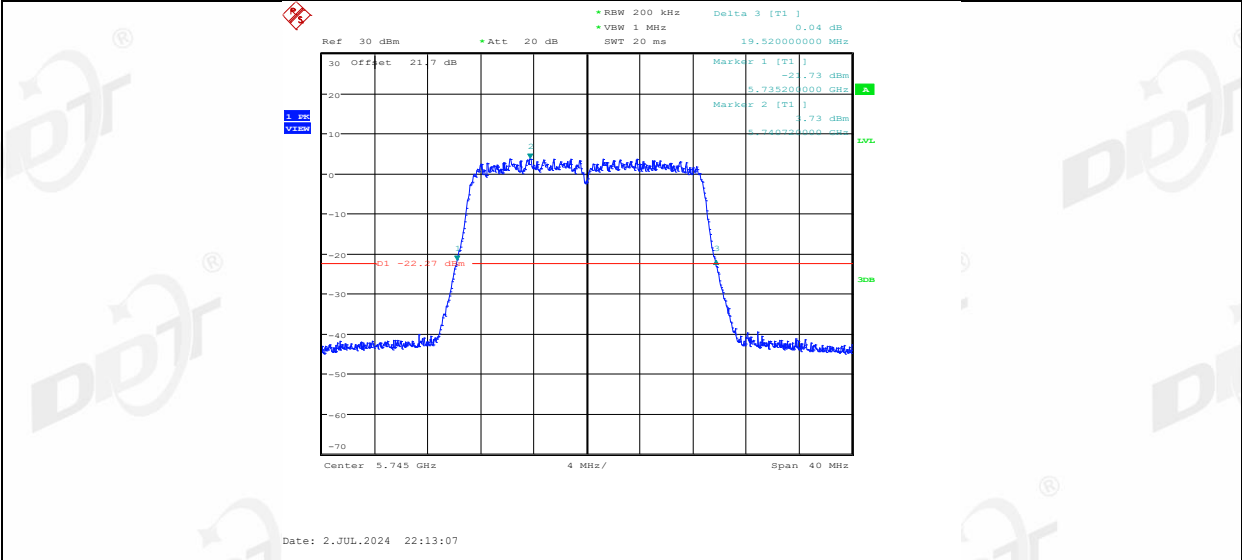
11N20MIMO_Ant1_5700



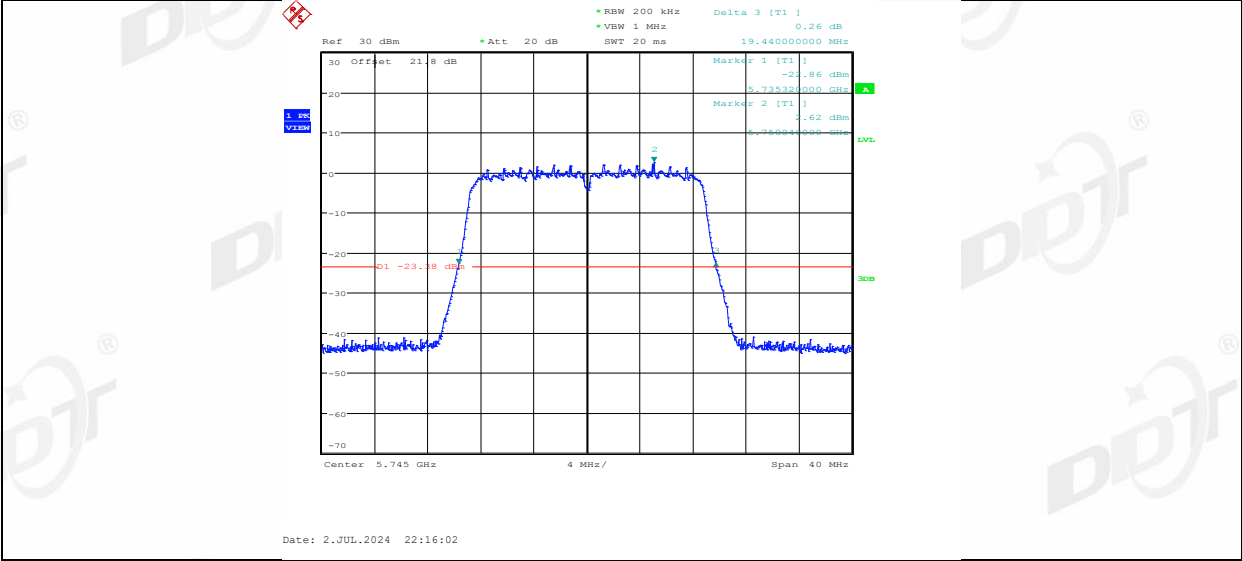
11N20MIMO_Ant2_5720



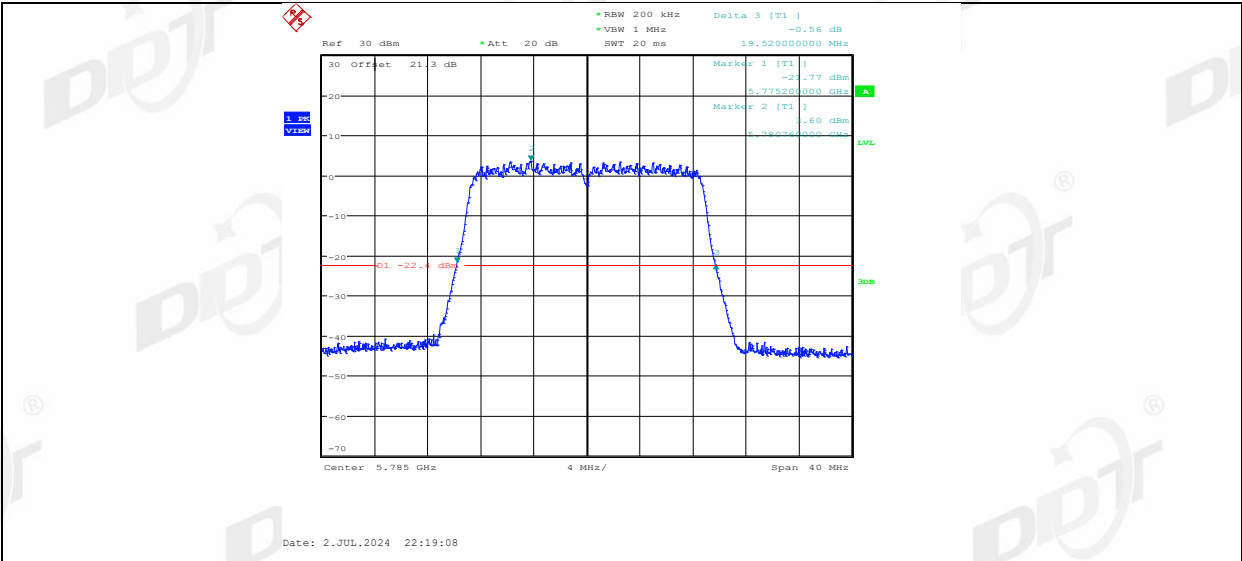
11N20MIMO_Ant1_5745



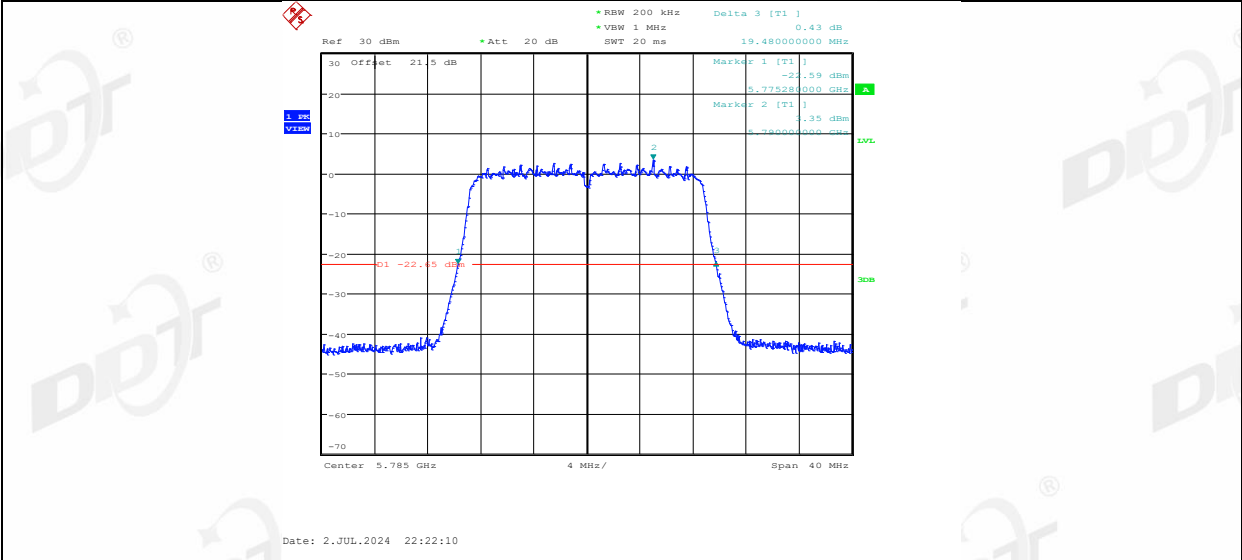
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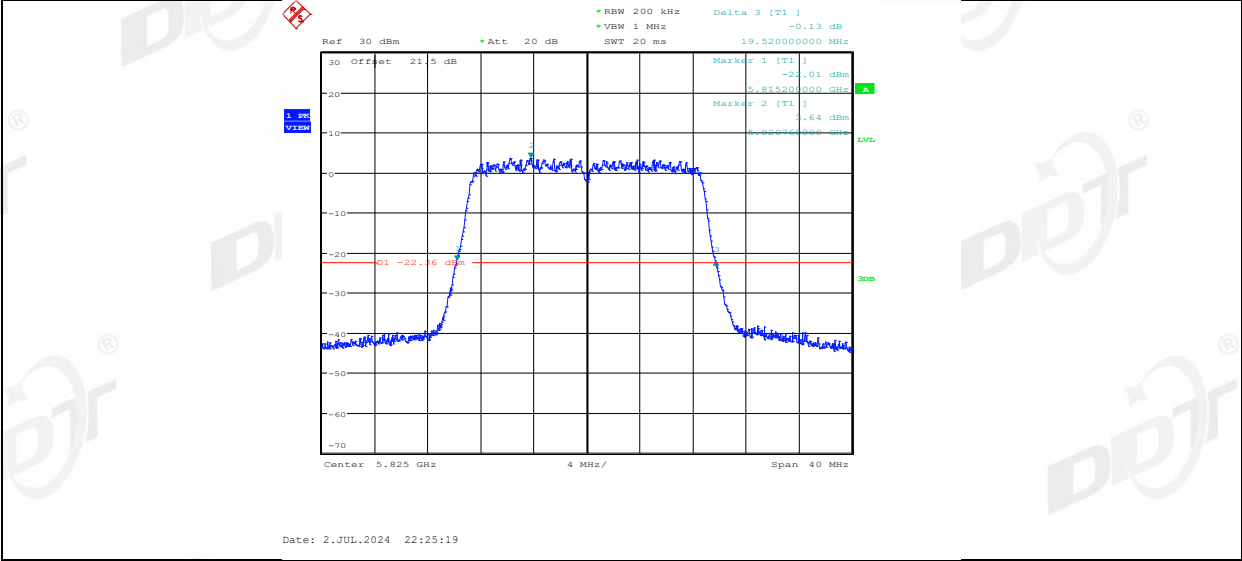
11N20MIMO_Ant1_5785



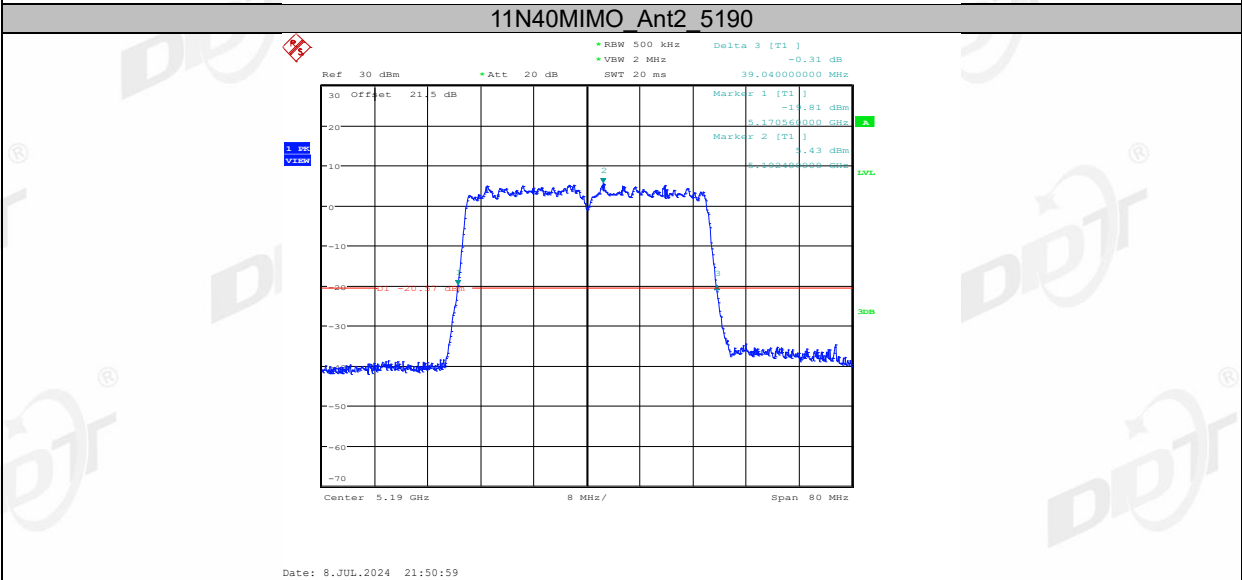
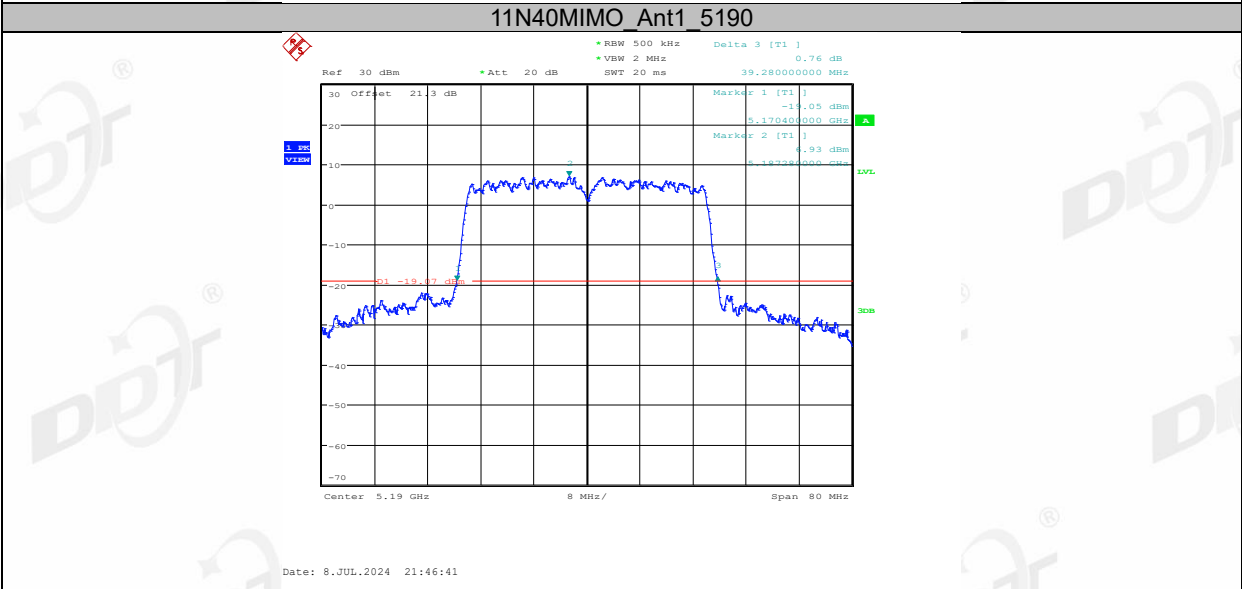
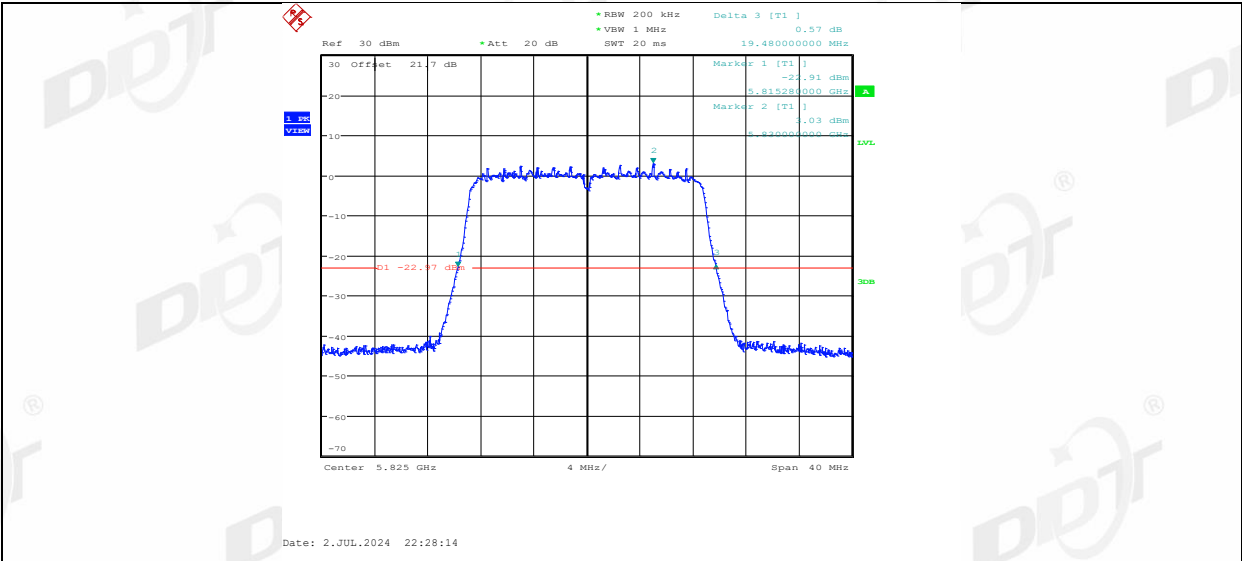
11N20MIMO_Ant2_5785



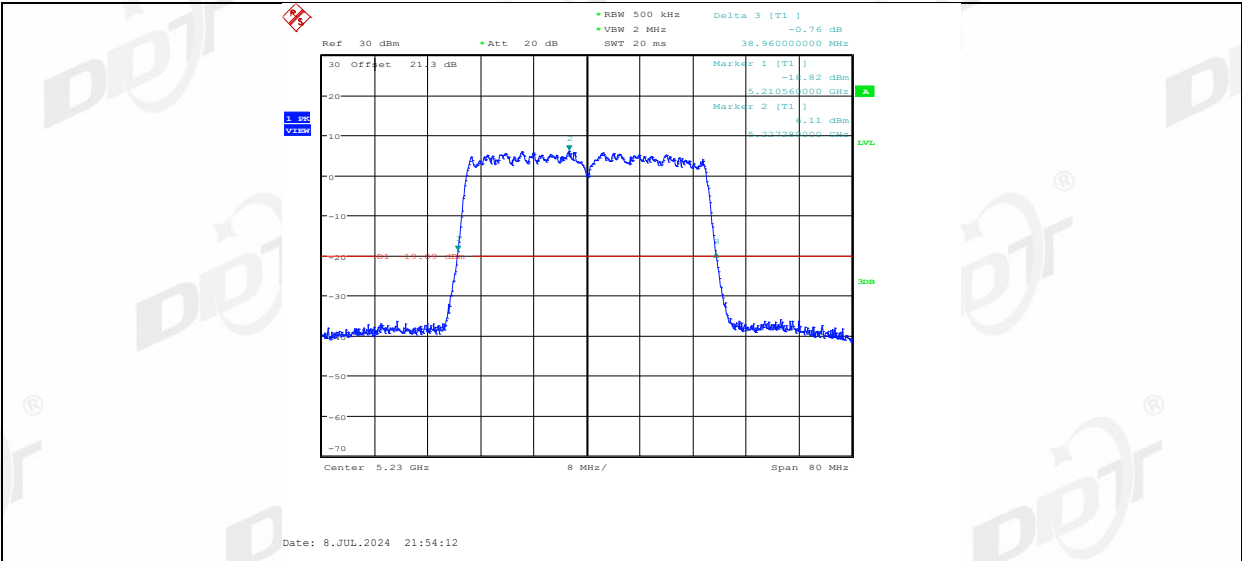
11N20MIMO_Ant1_5825



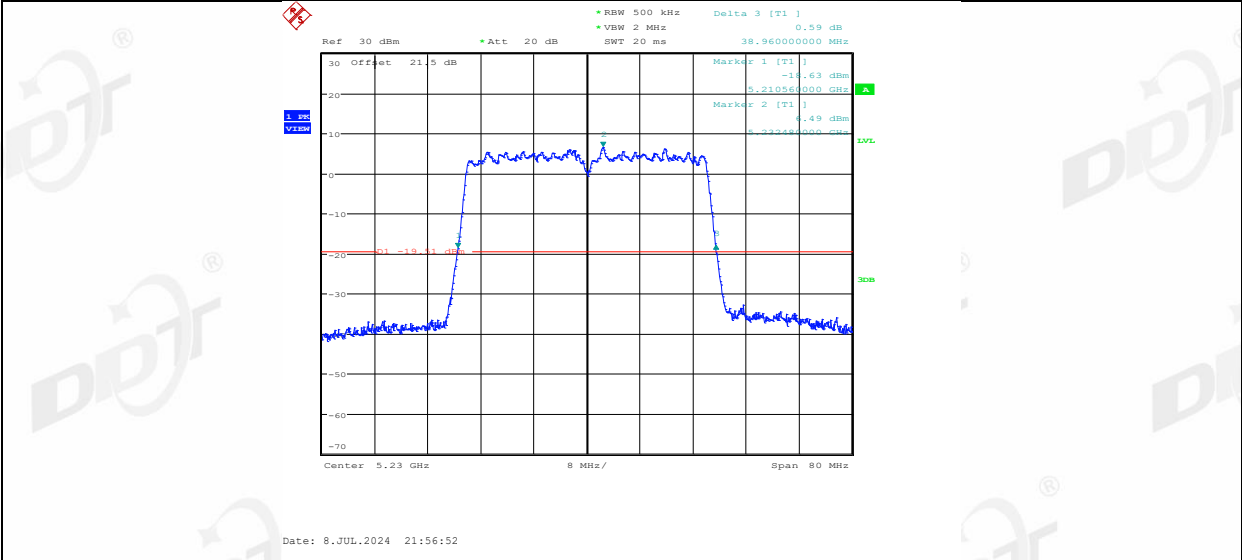
11N20MIMO_Ant2_5825



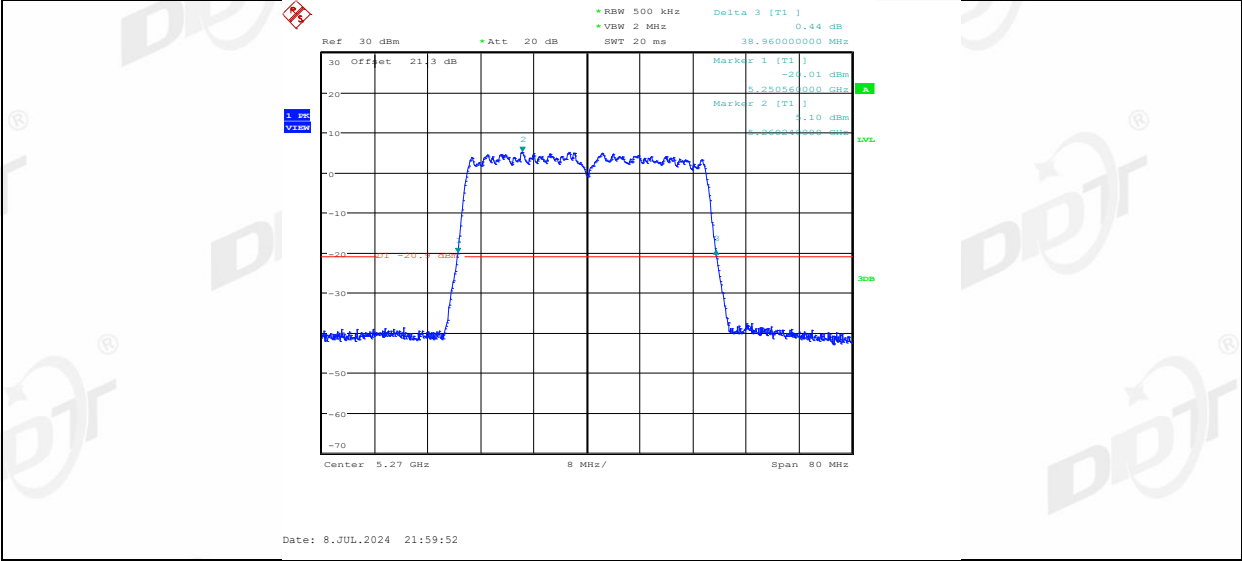
11N40MIMO_Ant1_5230



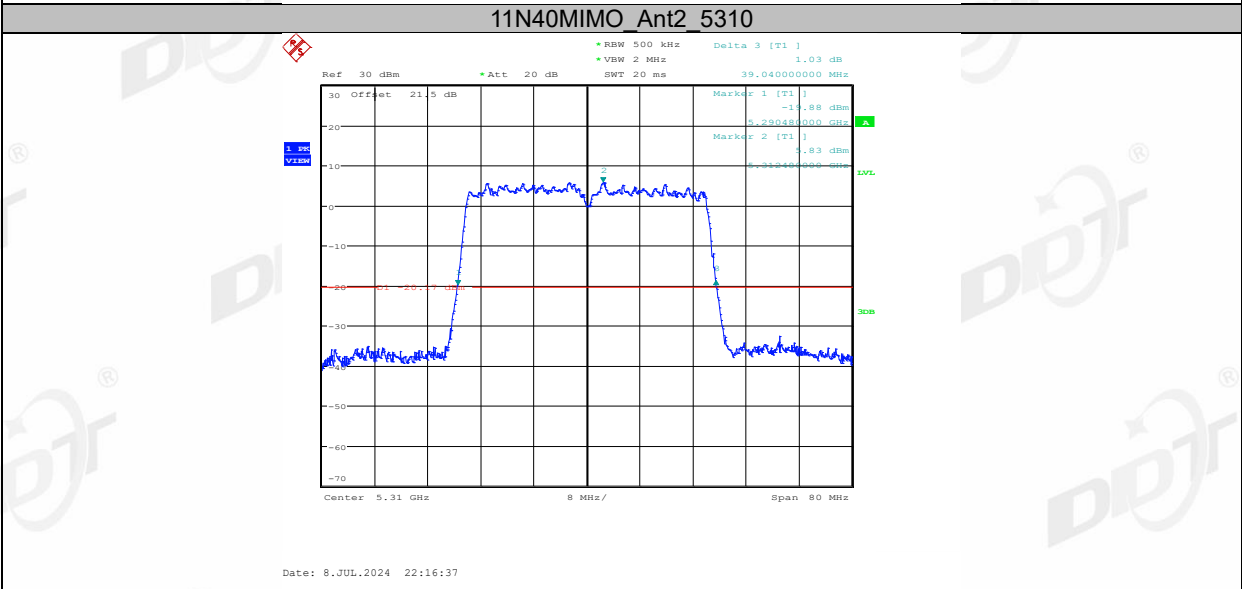
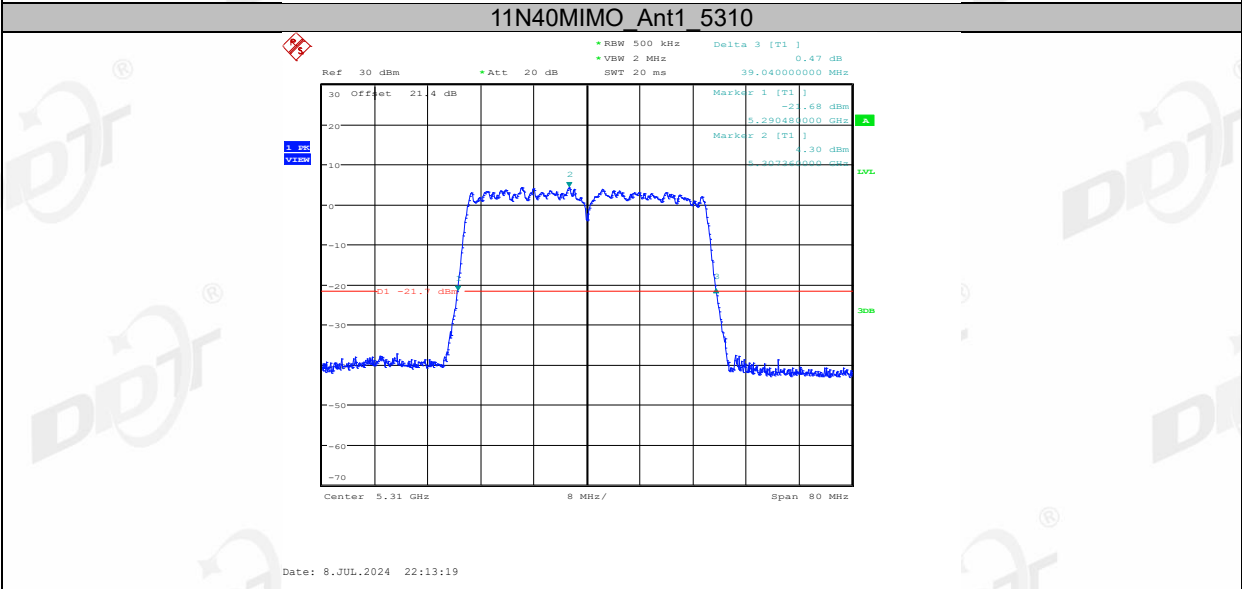
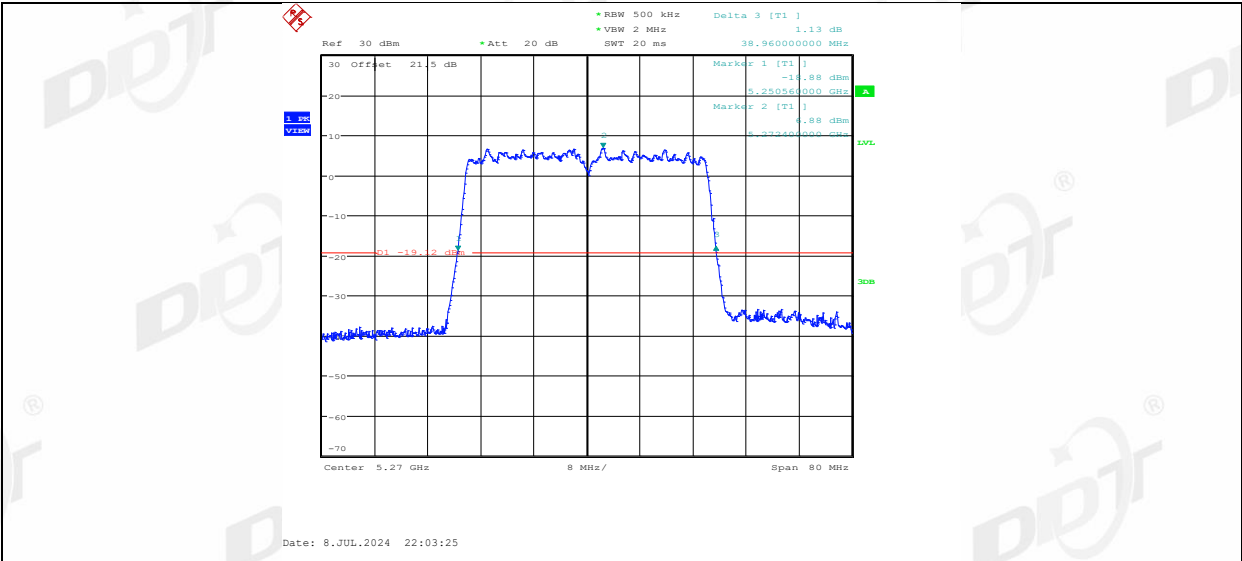
11N40MIMO_Ant2_5230



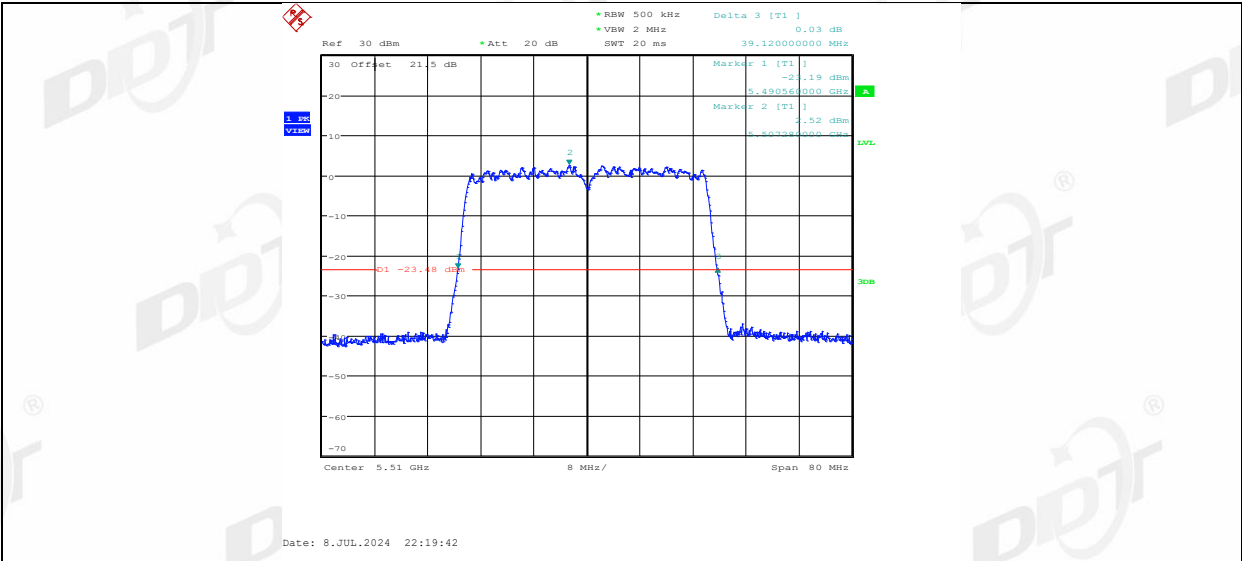
11N40MIMO_Ant1_5270



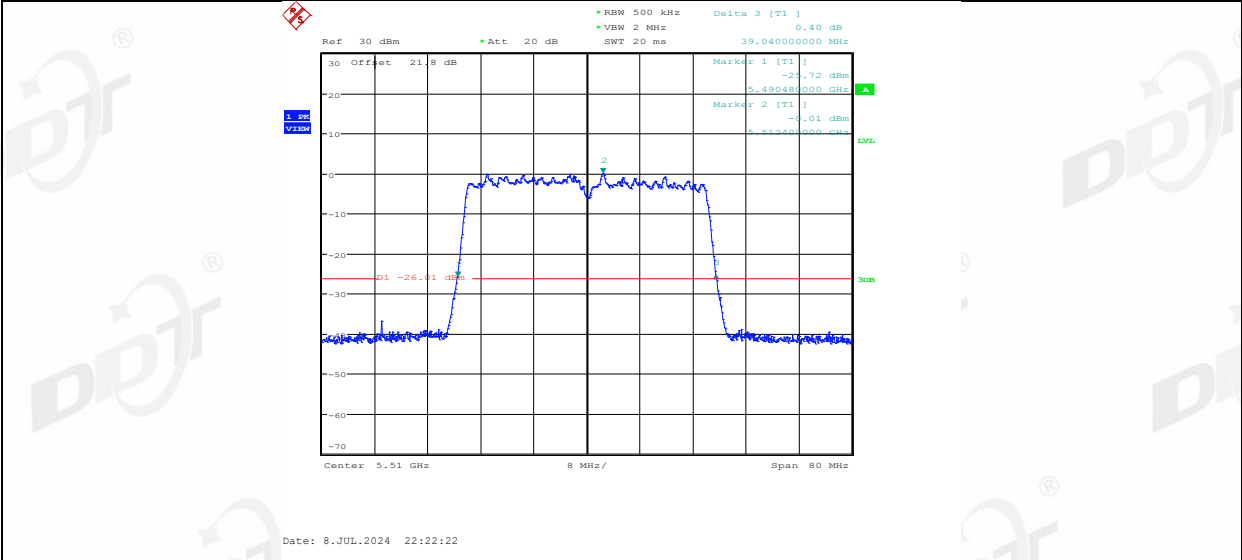
11N40MIMO_Ant2_5270



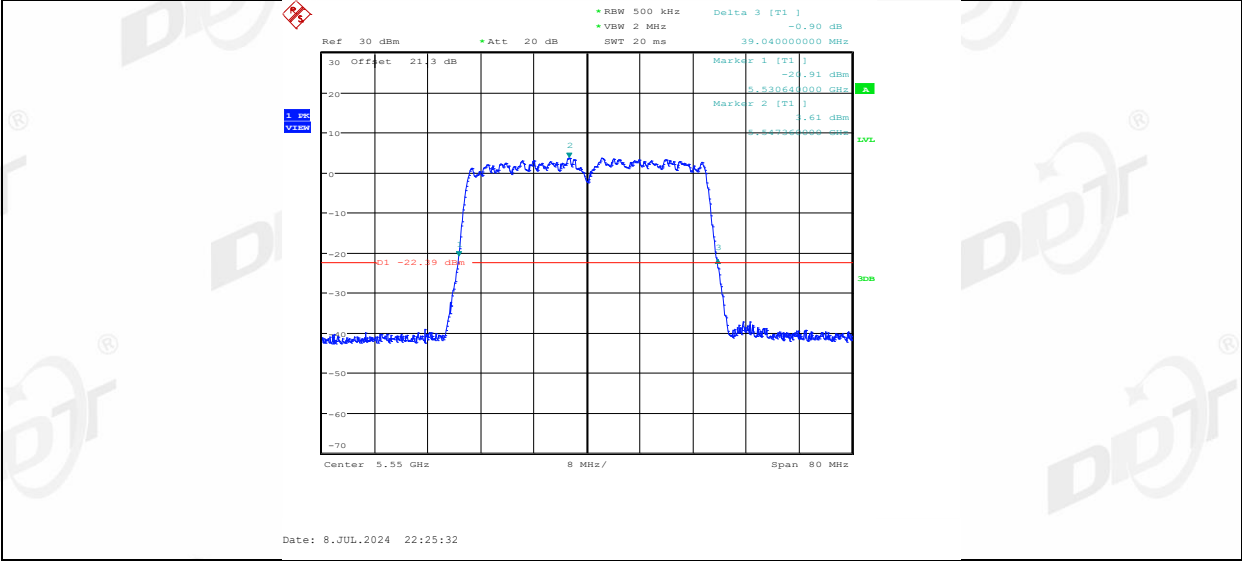
11N40MIMO_Ant1_5510



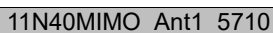
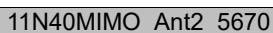
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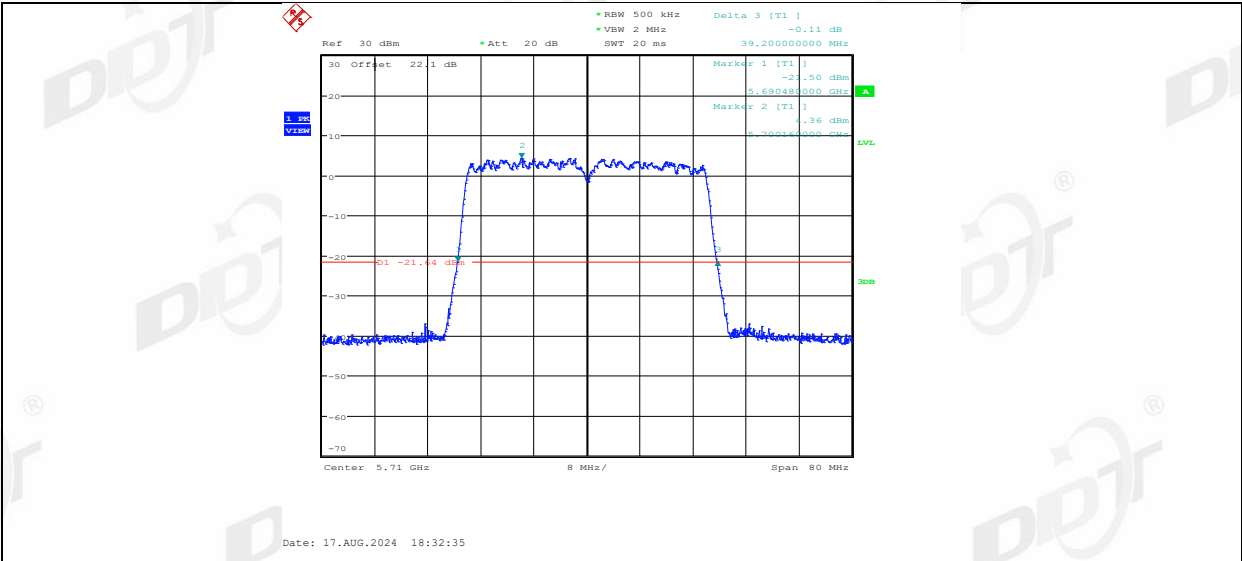


11N40MIMO_Ant1_5550

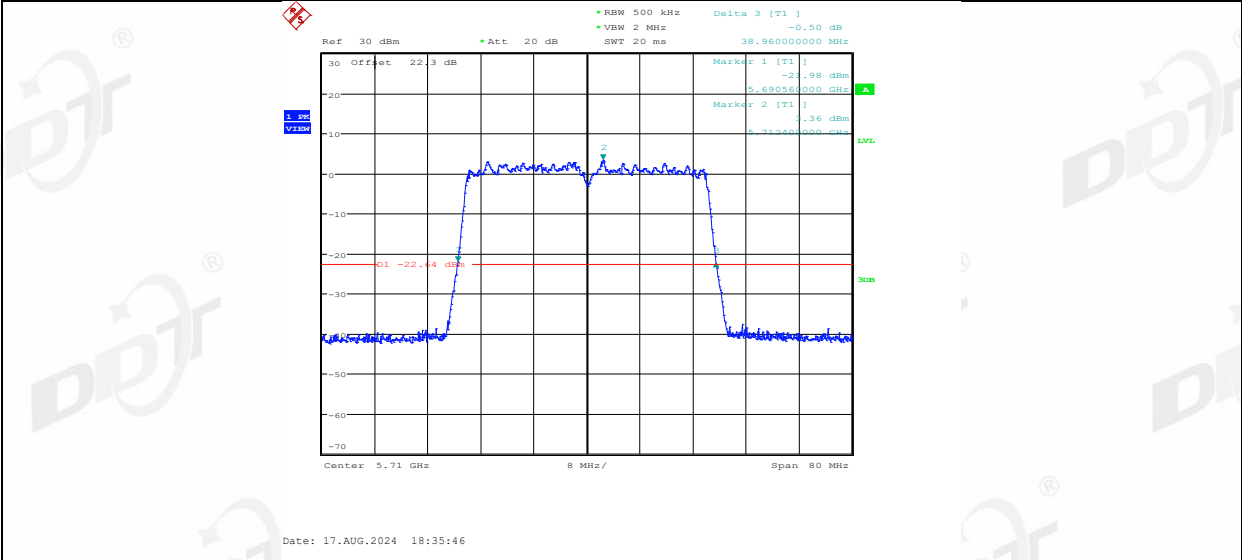


11N40MIMO_Ant2_5550

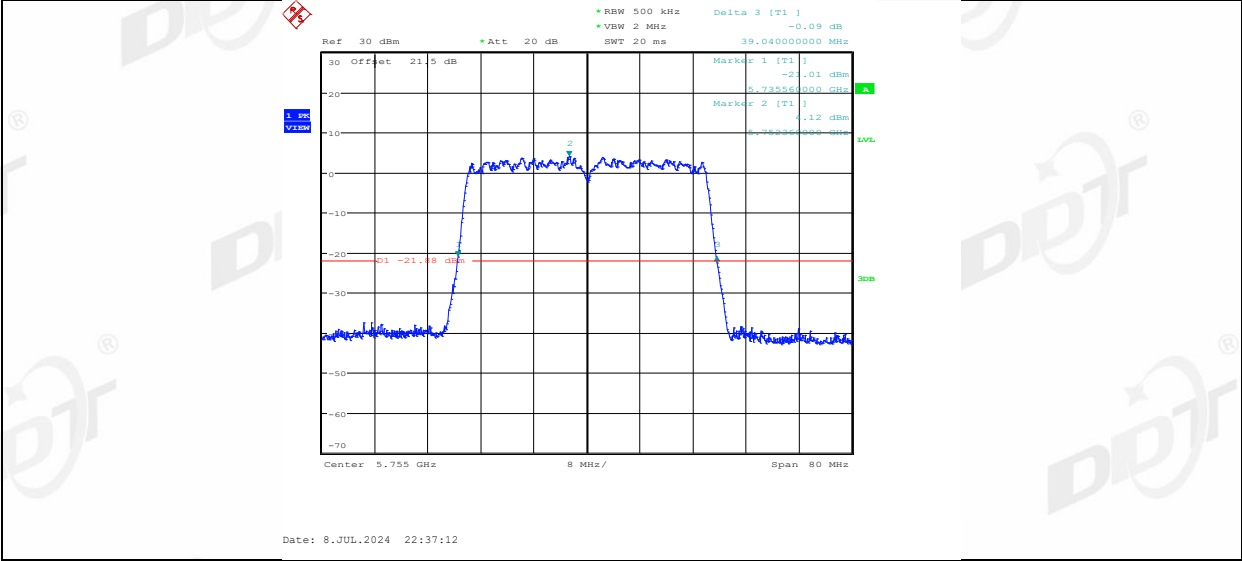




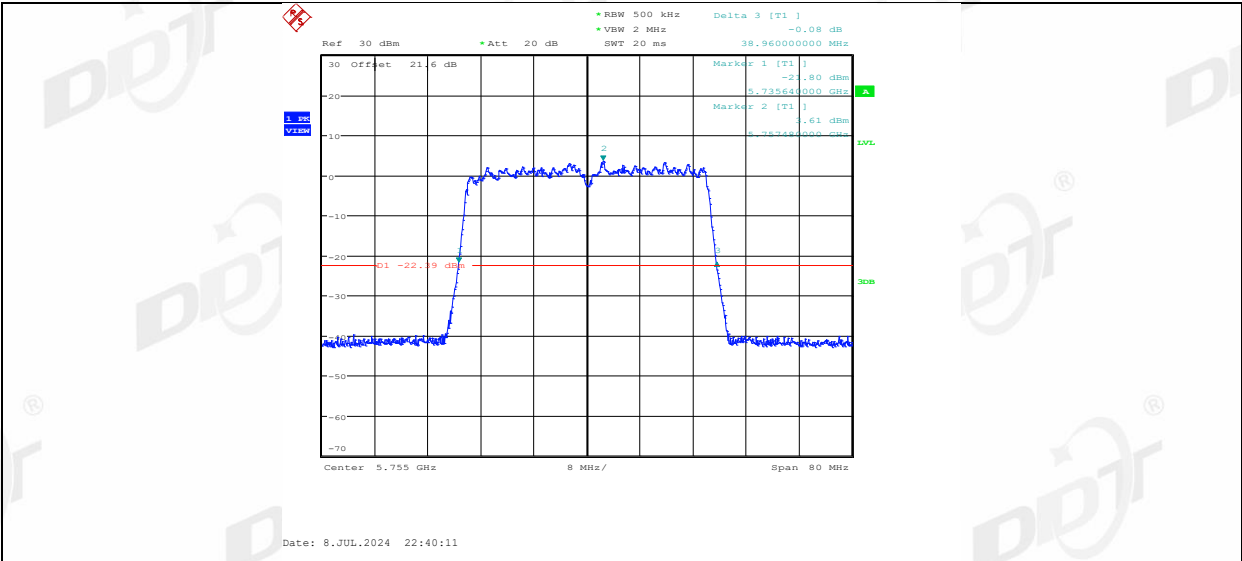
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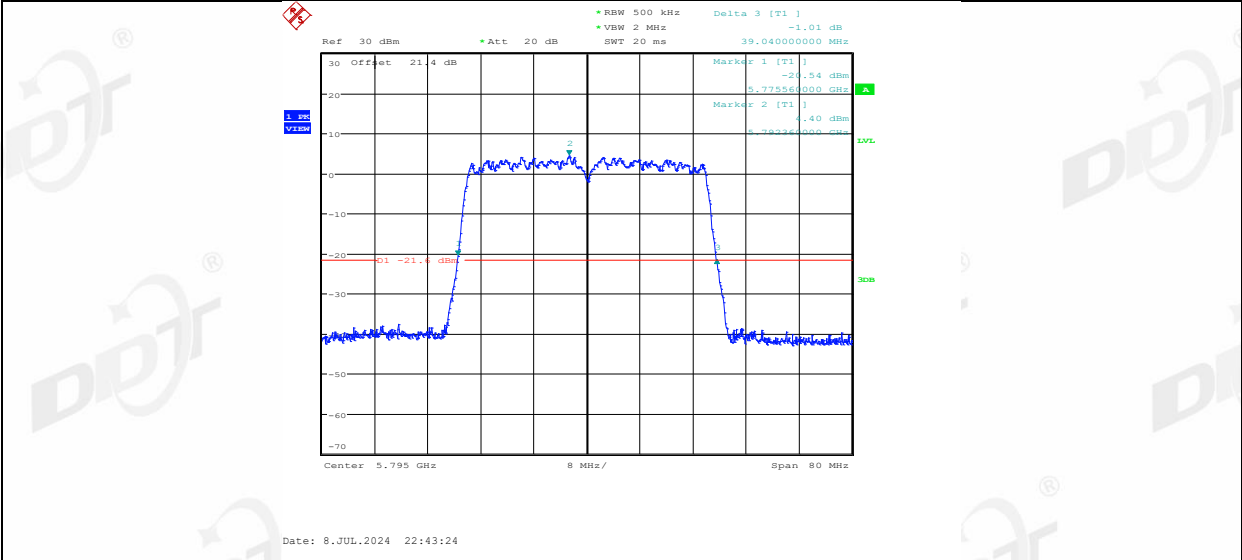
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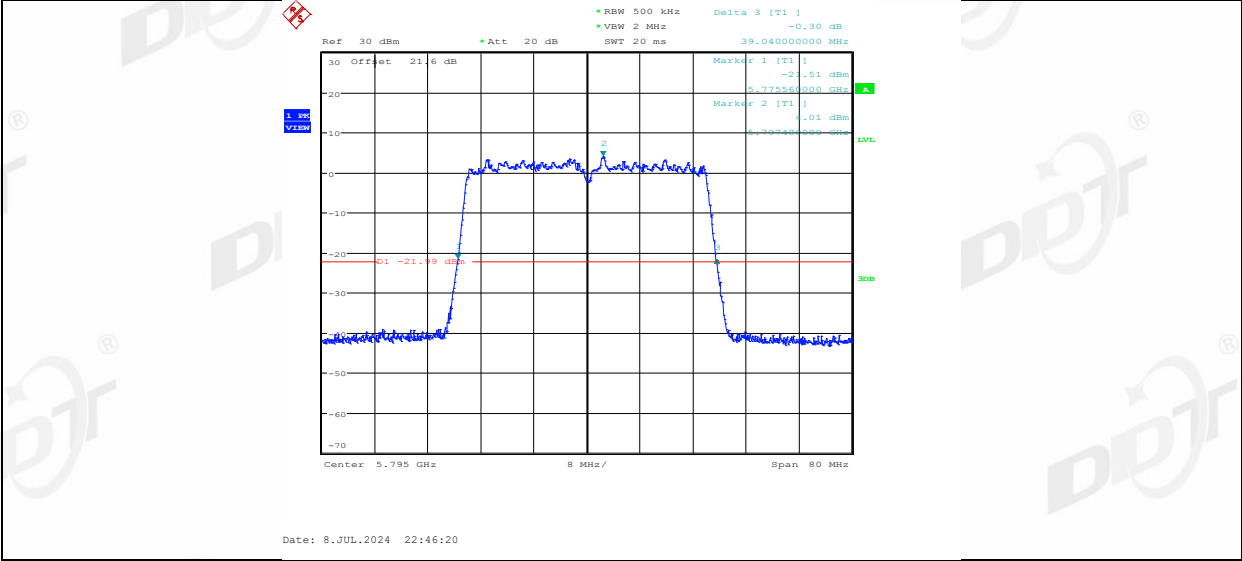
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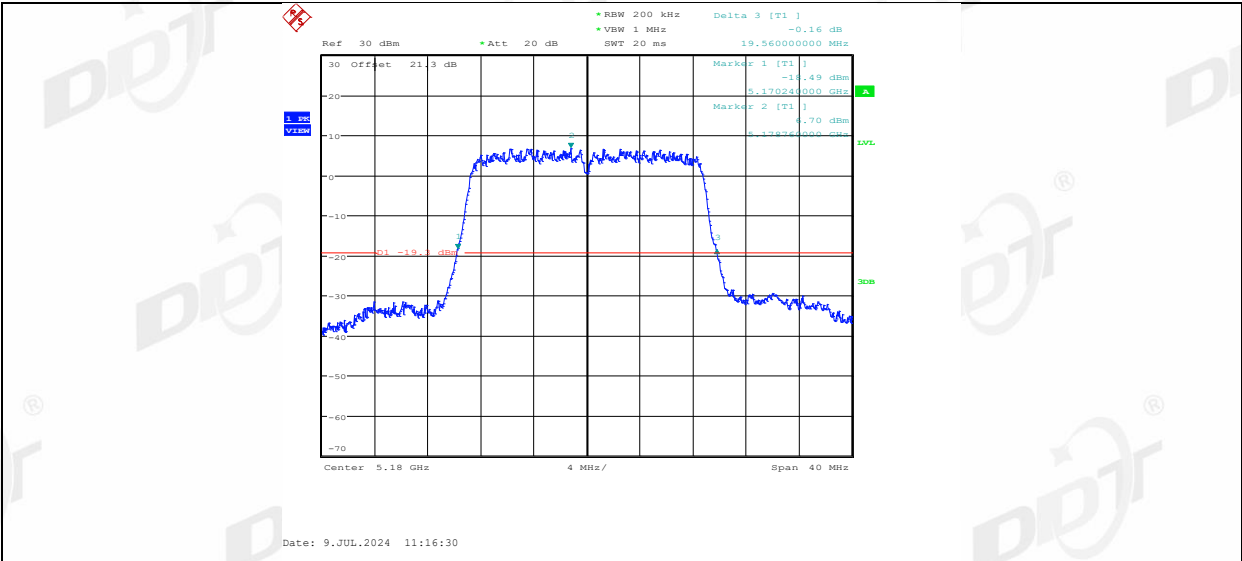
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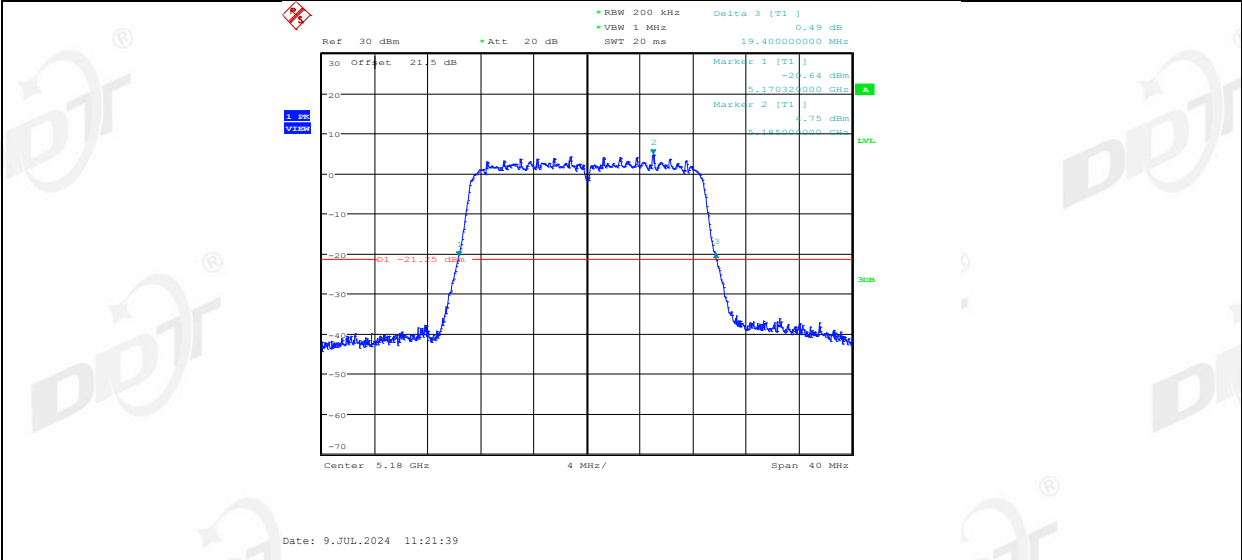
11N40MIMO_Ant2_5795



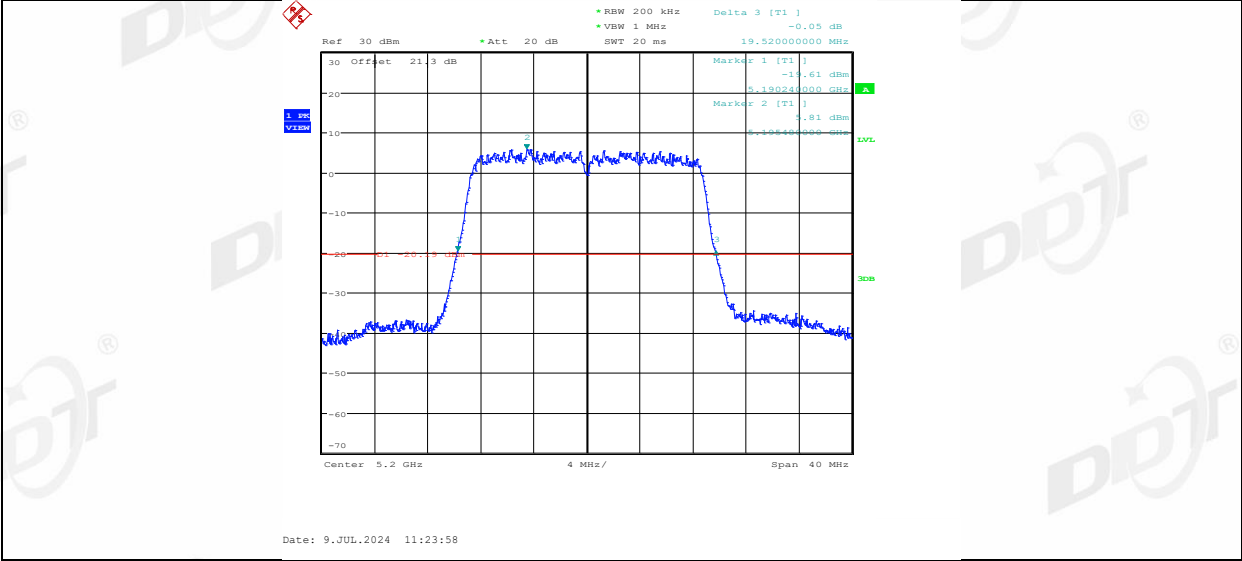
11AC20MIMO_Ant1_5180



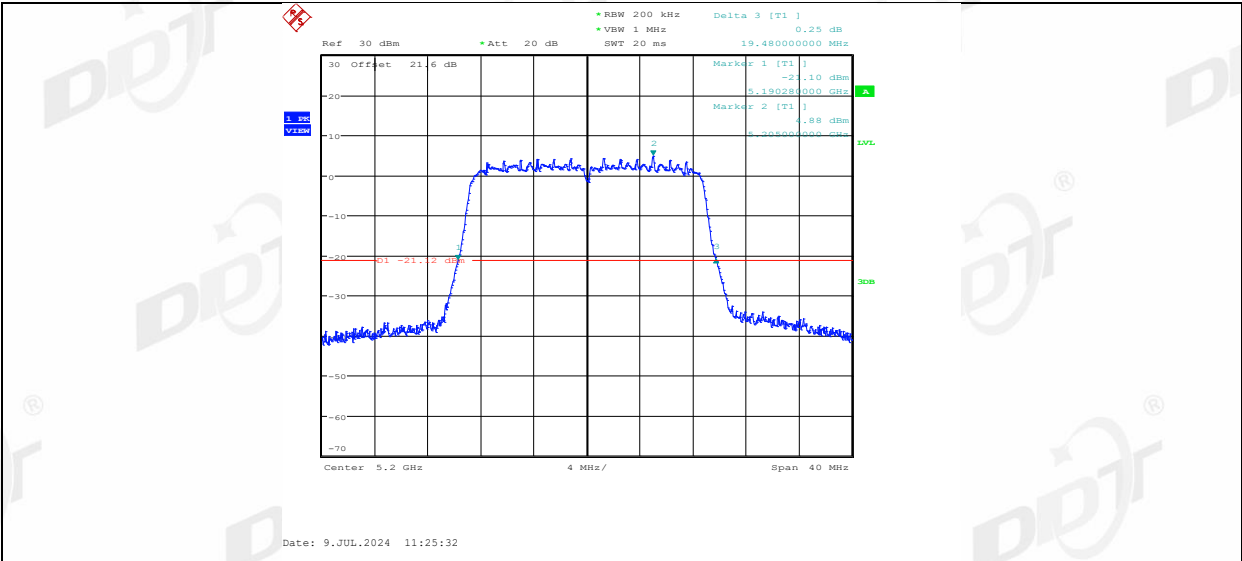
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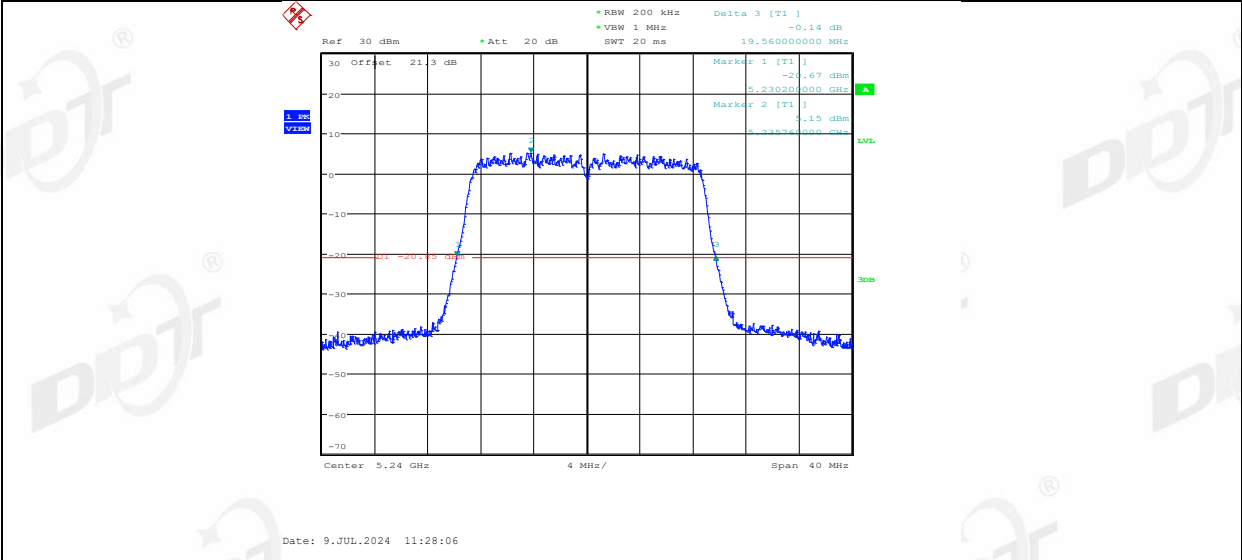
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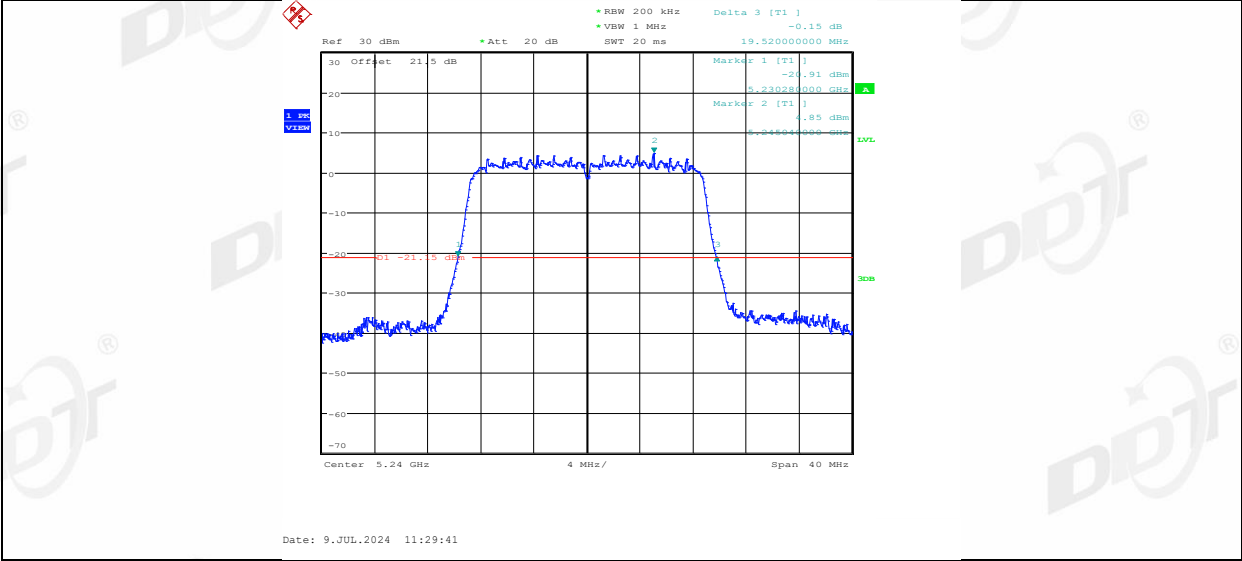
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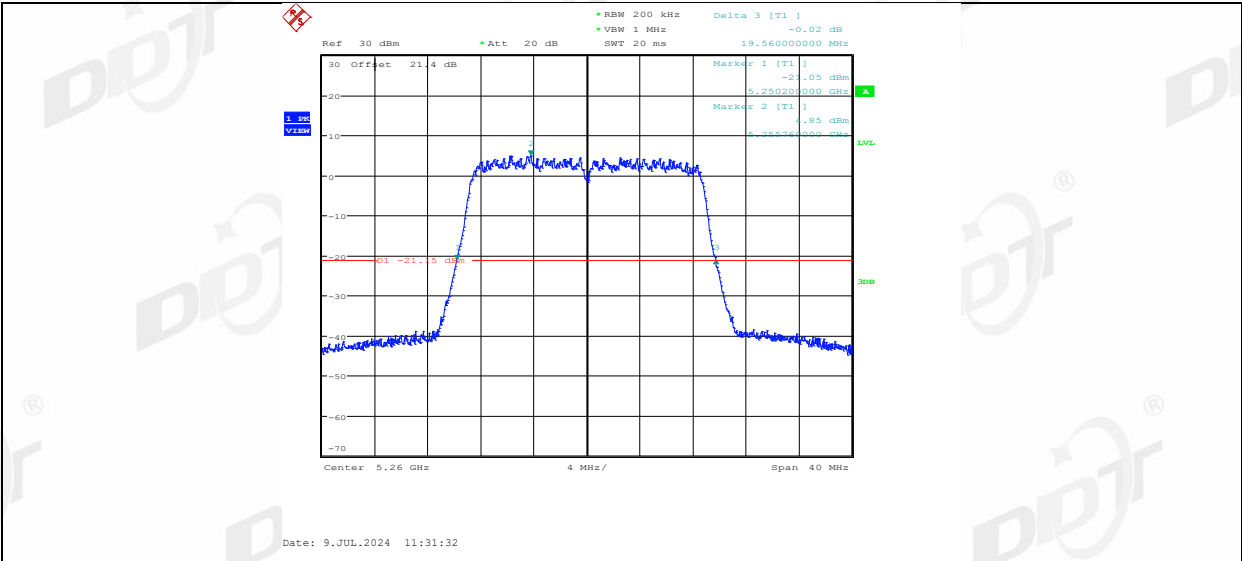
11AC20MIMO_Ant1_5240



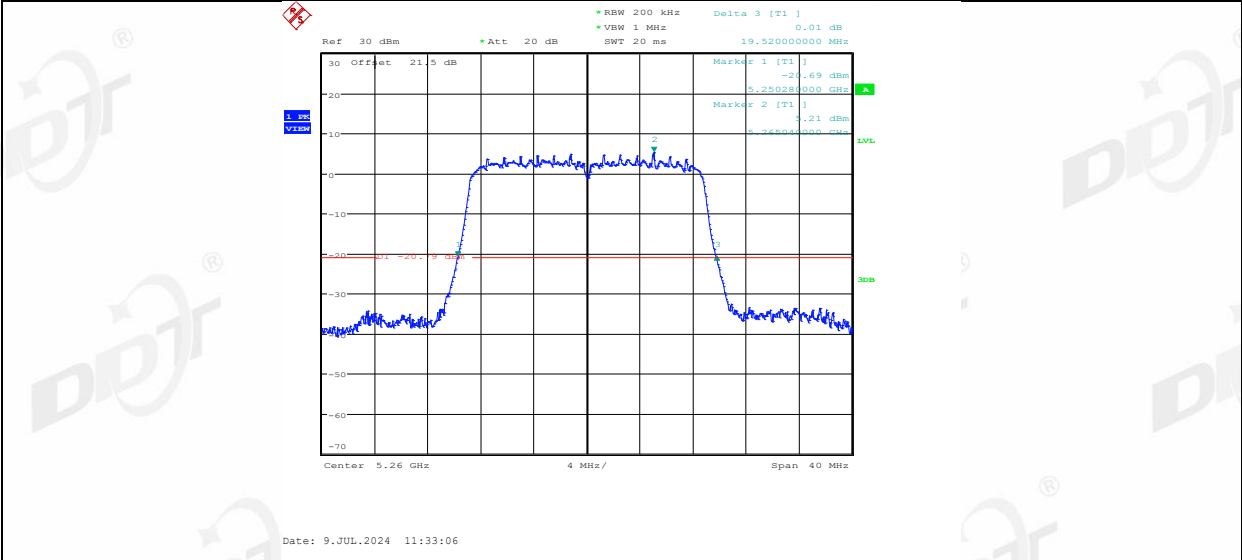
11AC20MIMO_Ant2_5240



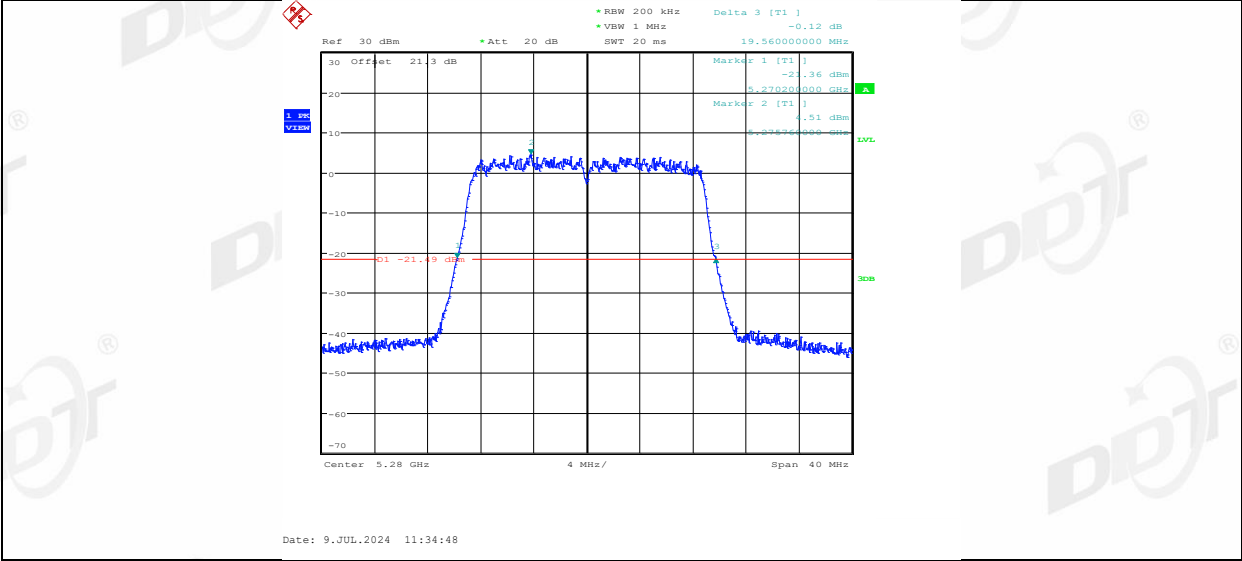
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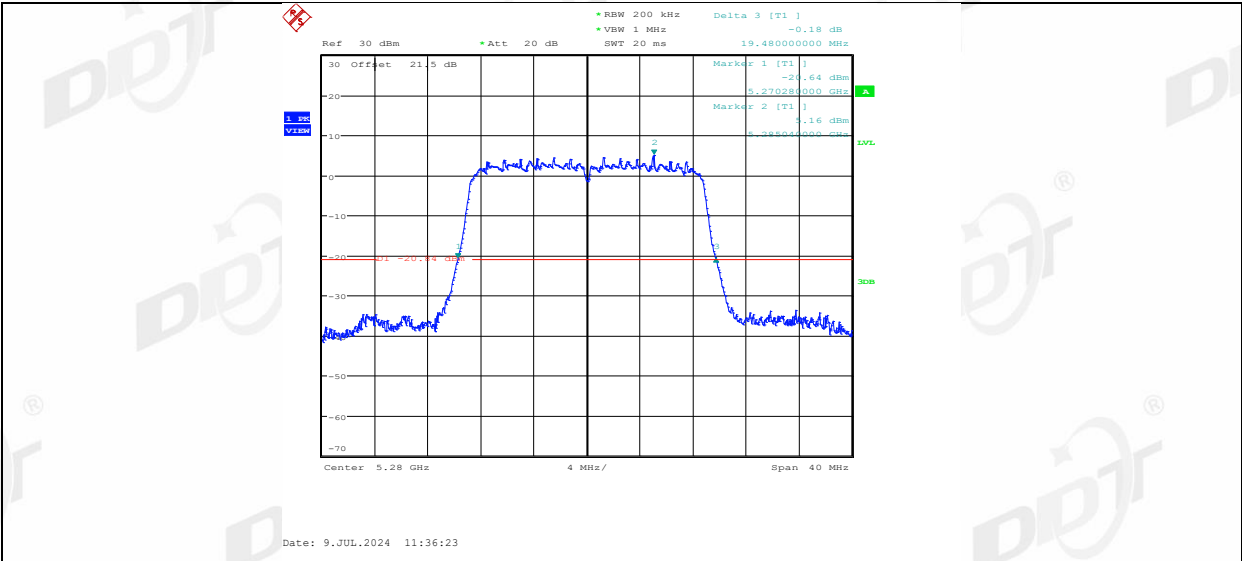
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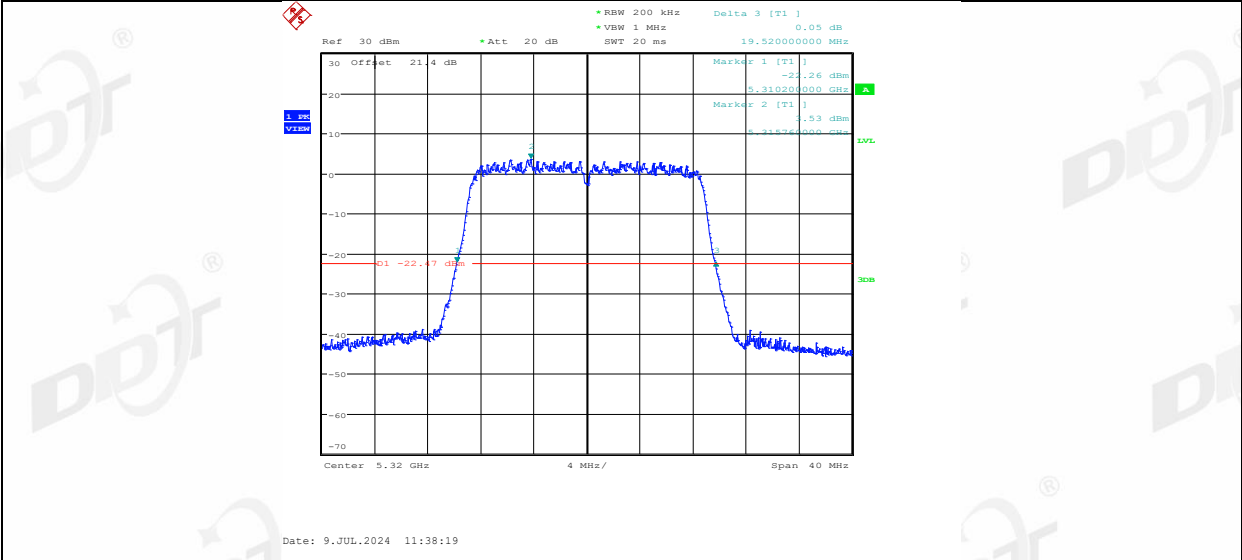
11AC20MIMO_Ant1_5280



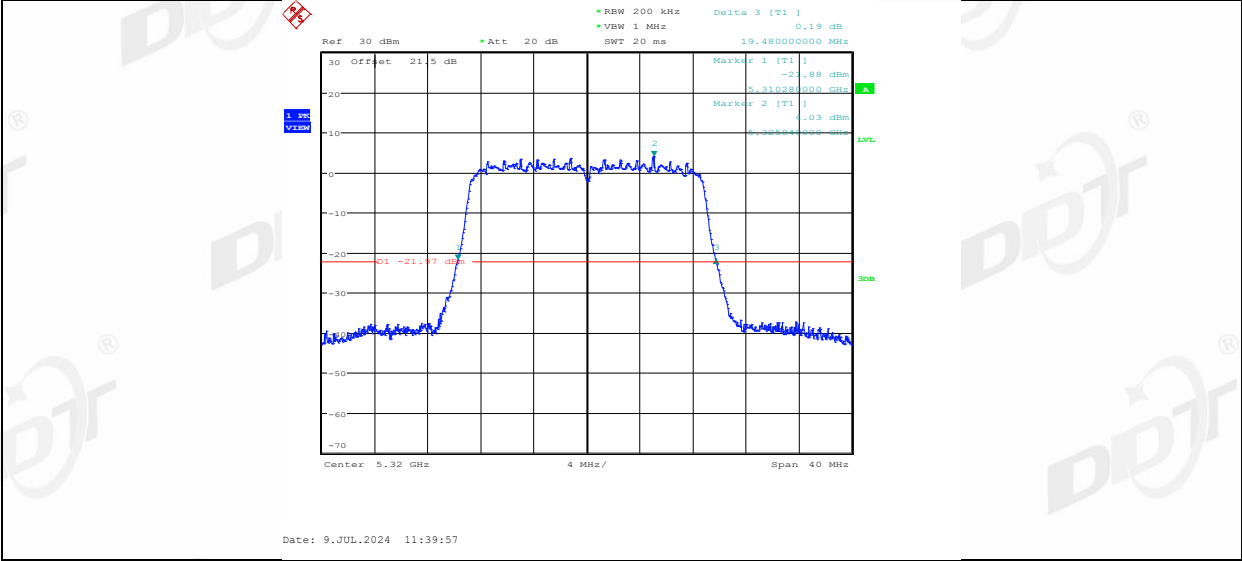
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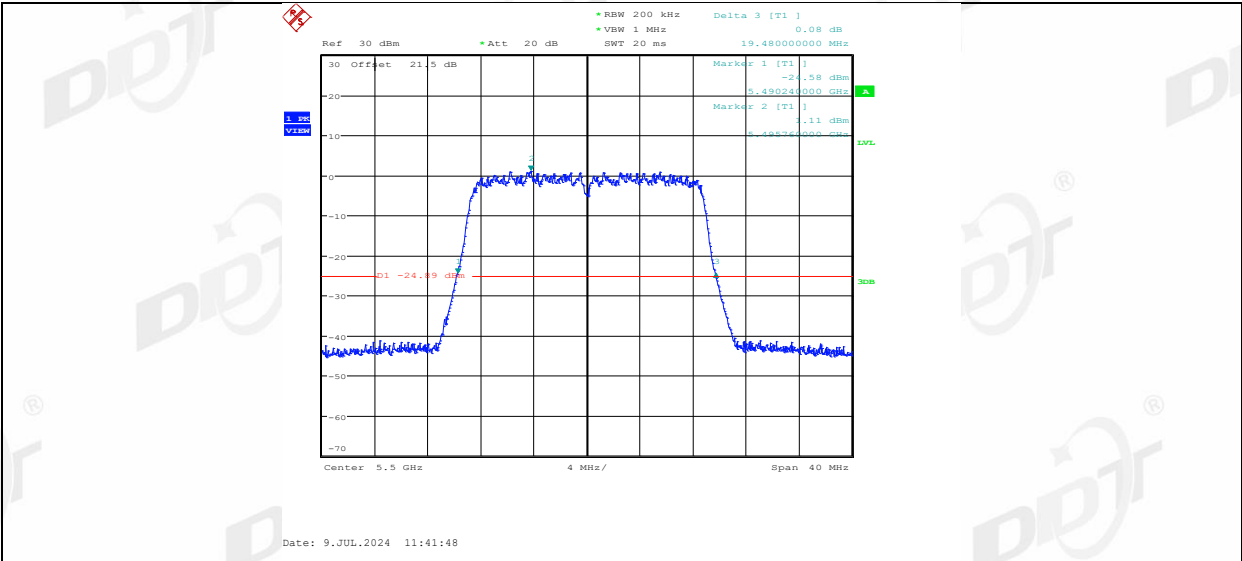
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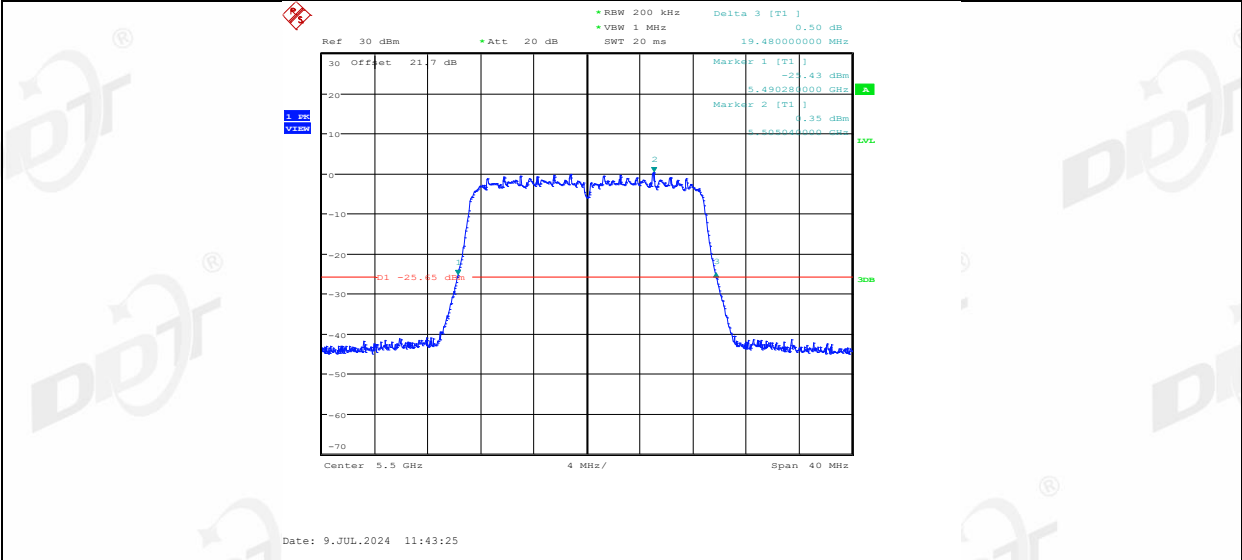
11AC20MIMO_Ant2_5320



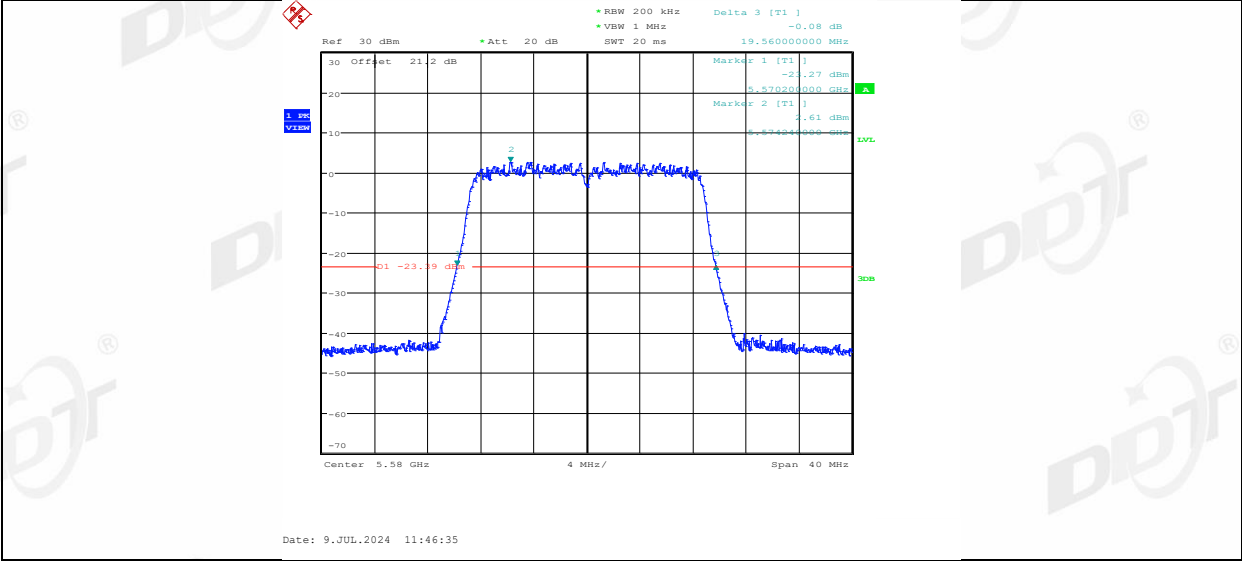
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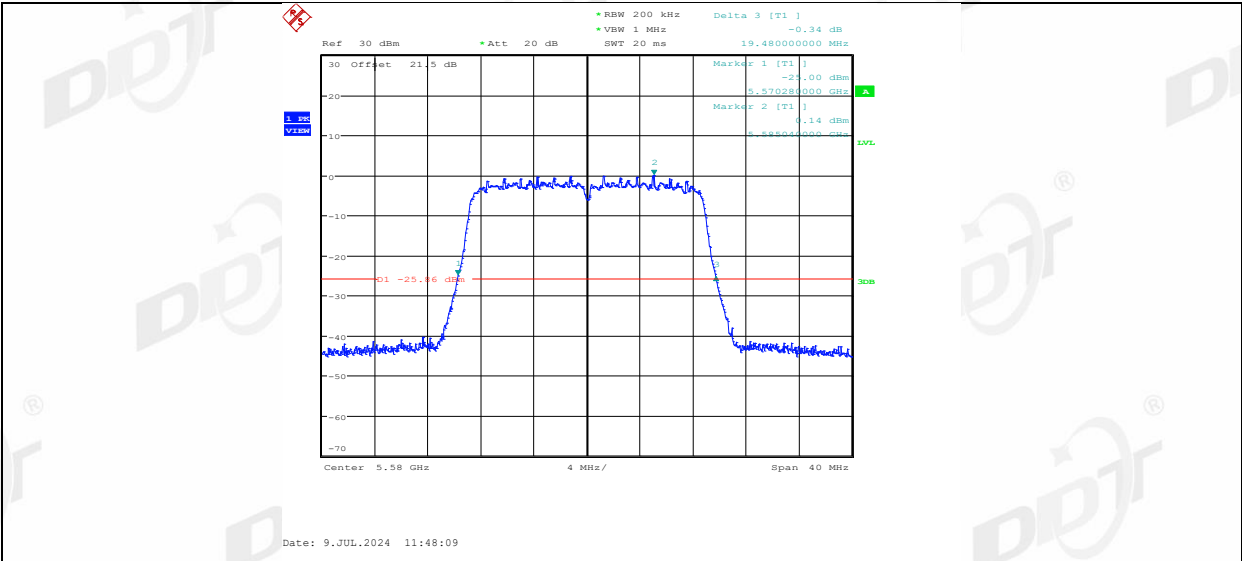
11AC20MIMO_Ant2_5500



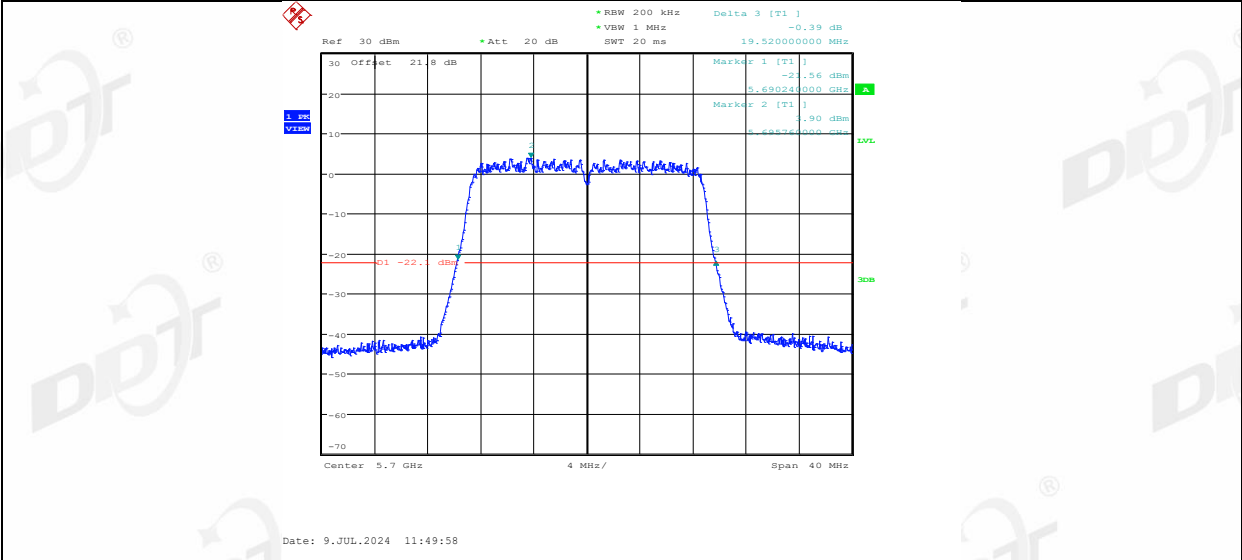
11AC20MIMO_Ant1_5580



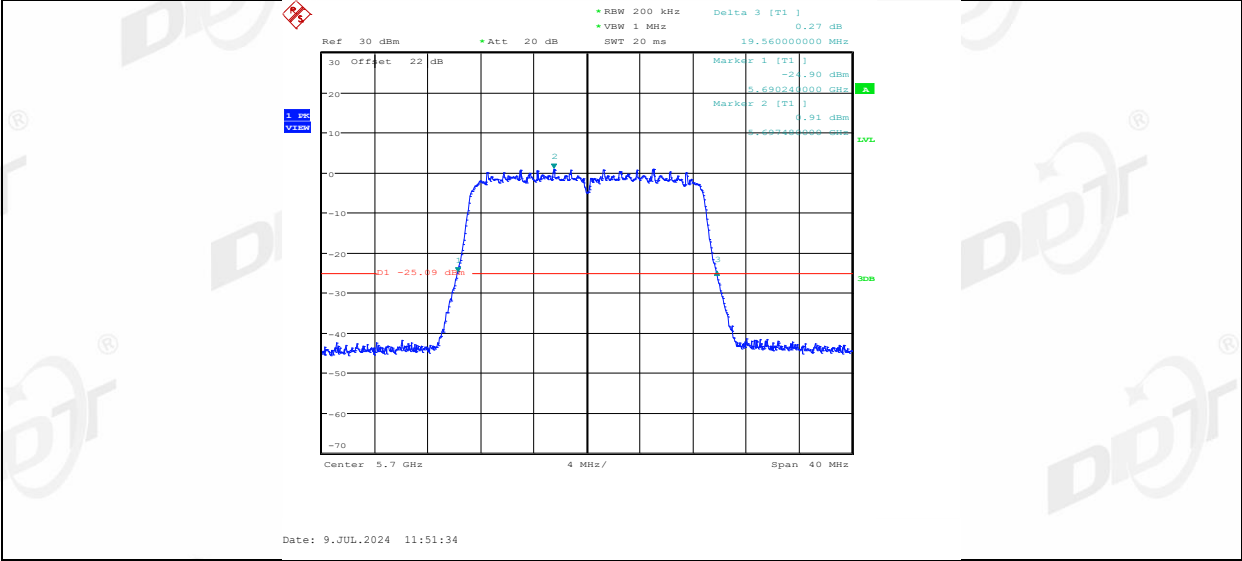
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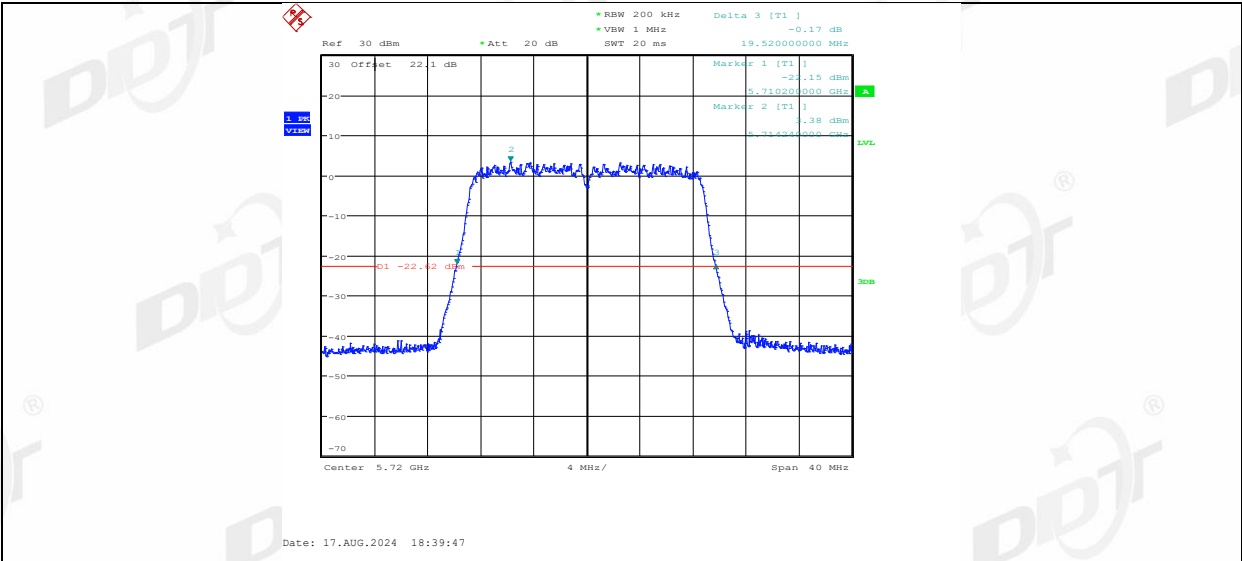
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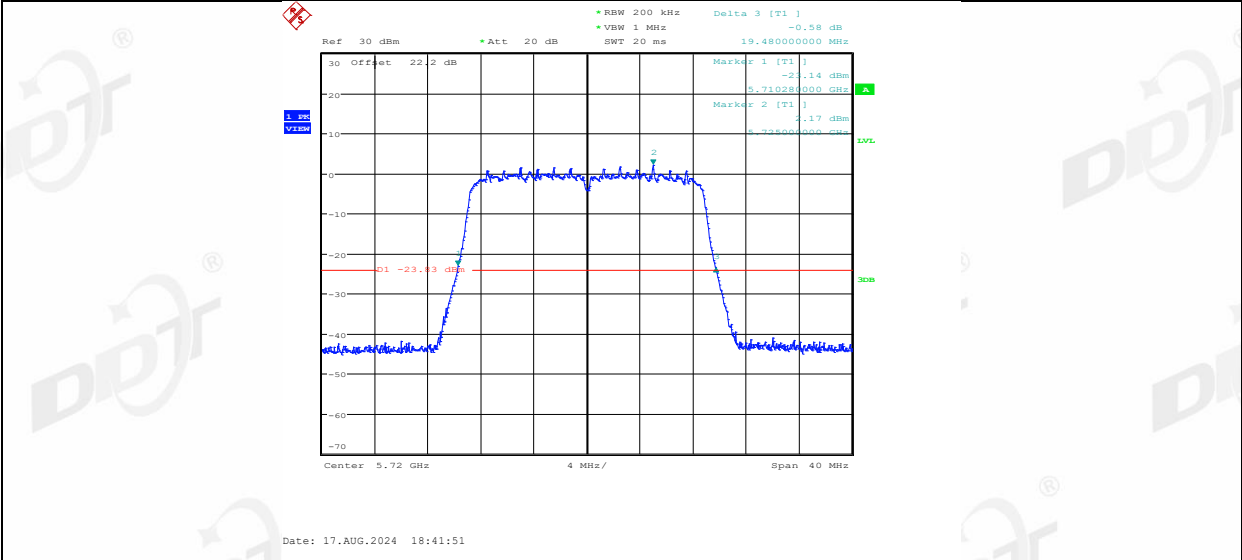
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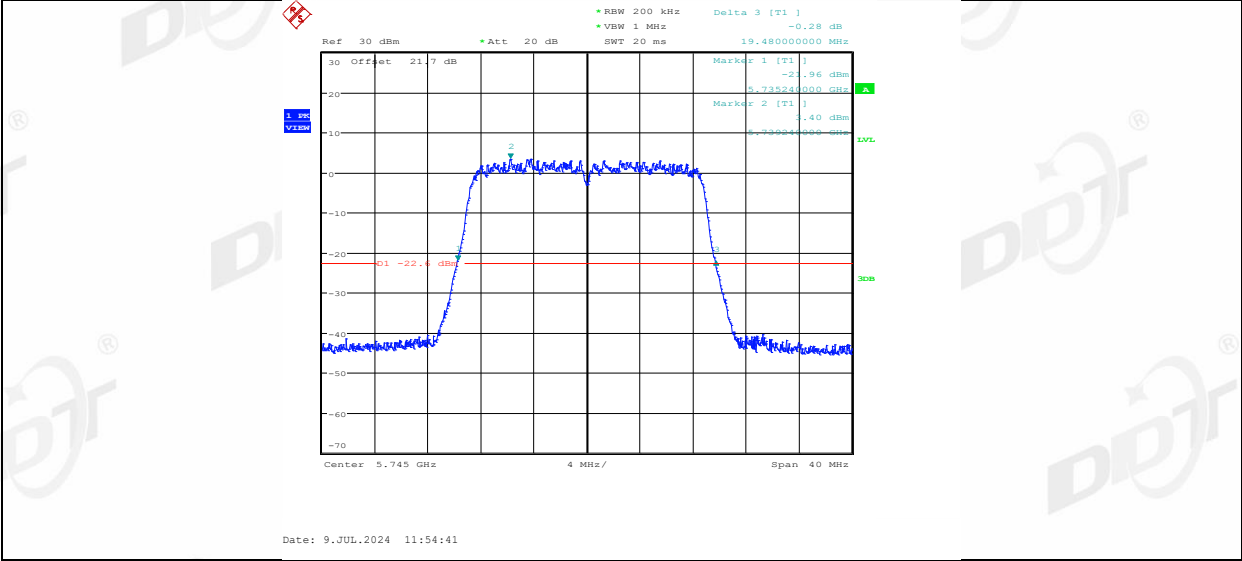
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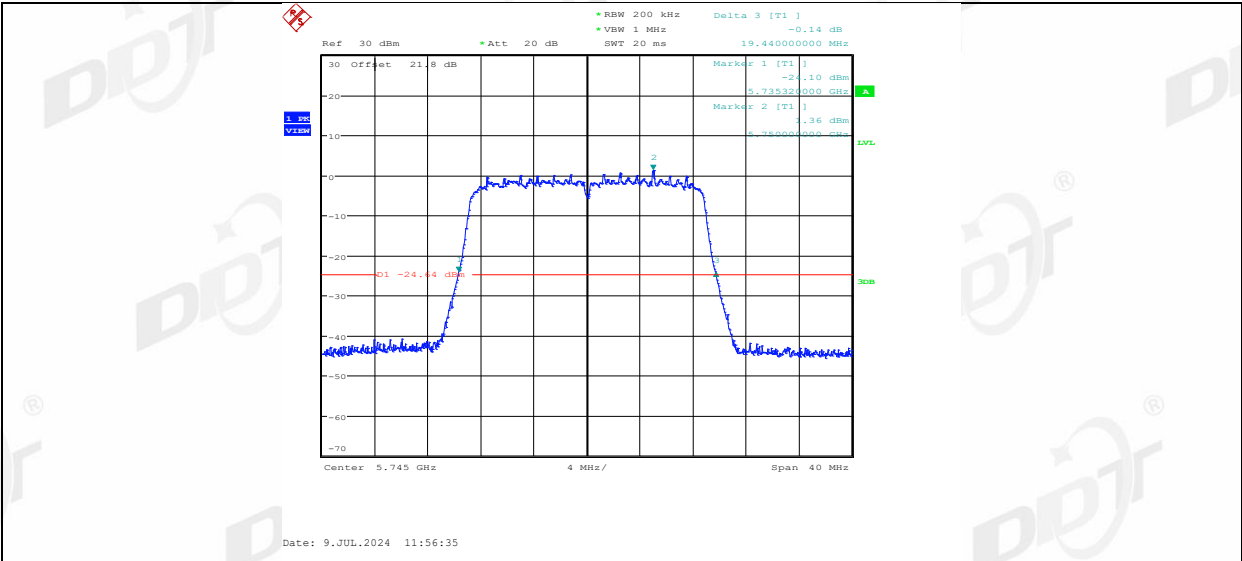
11AC20MIMO_Ant2_5720



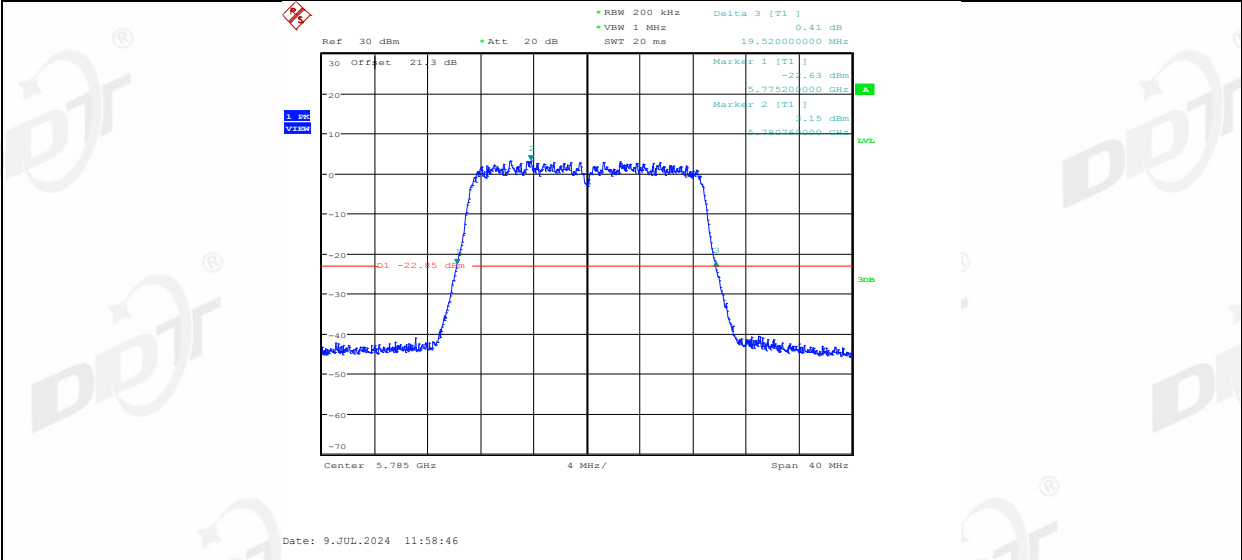
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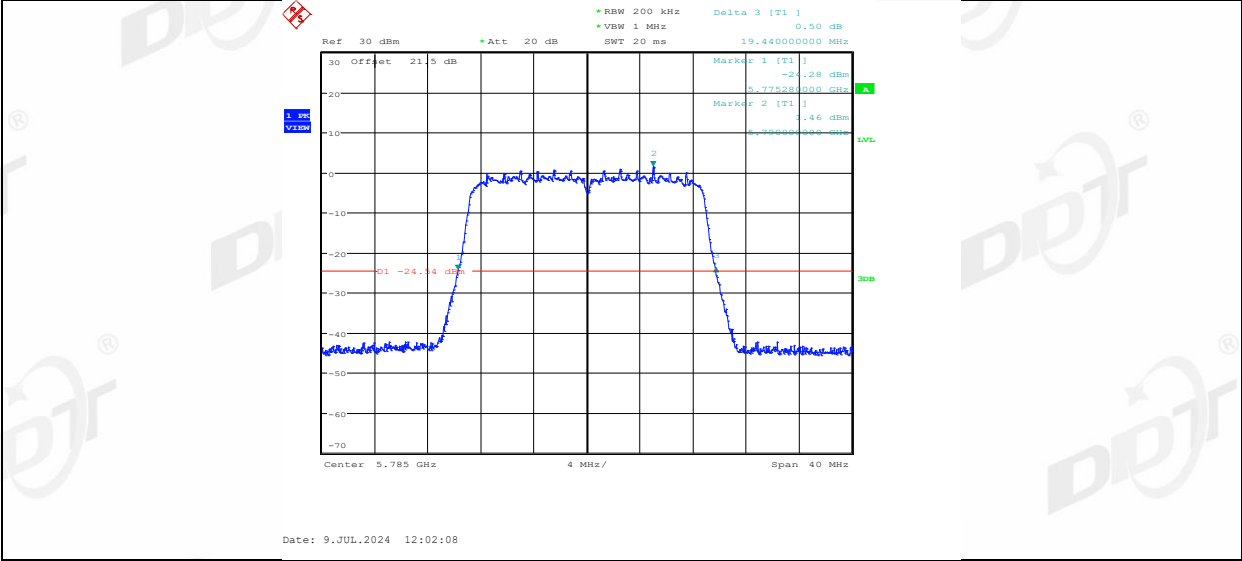
11AC20MIMO_Ant2_5745



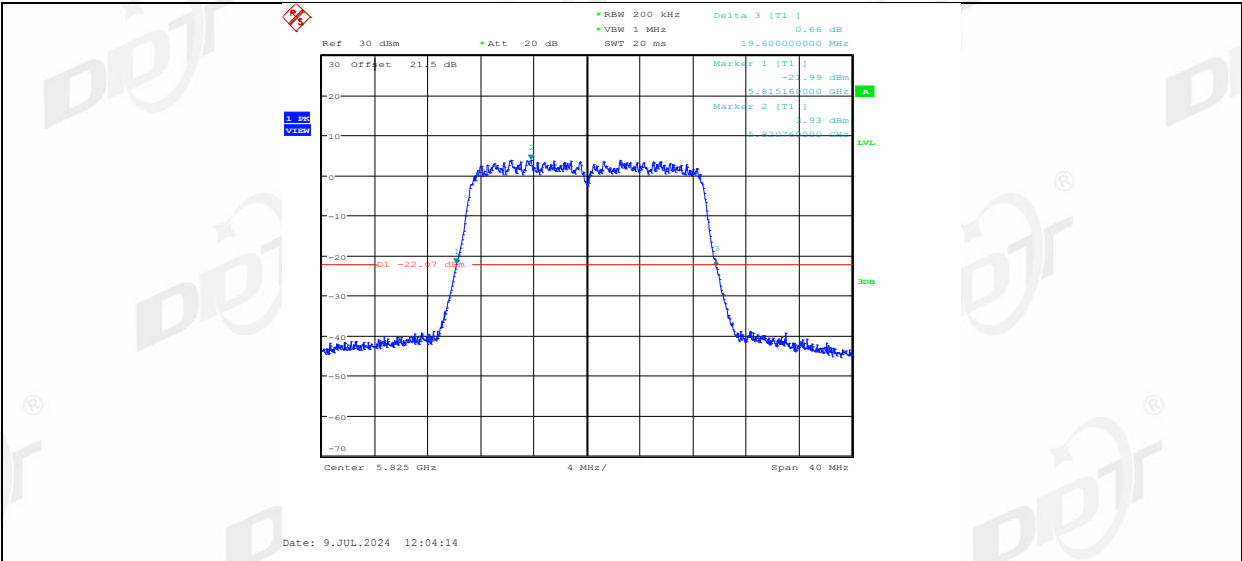
11AC20MIMO_Ant1_5785



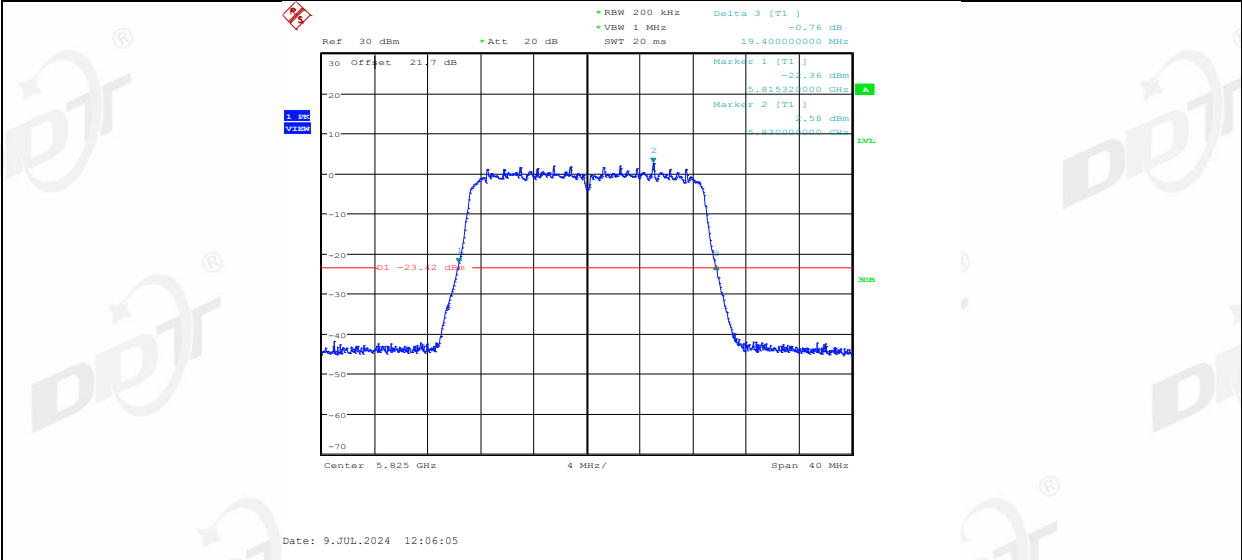
11AC20MIMO_Ant2_5785



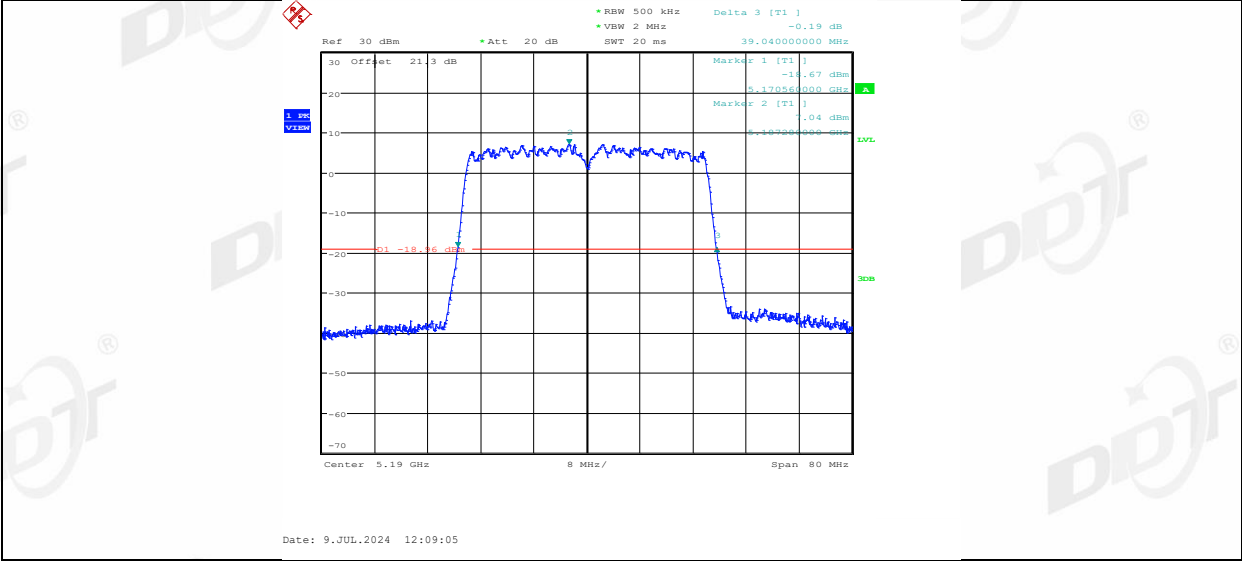
11AC20MIMO_Ant1_5825



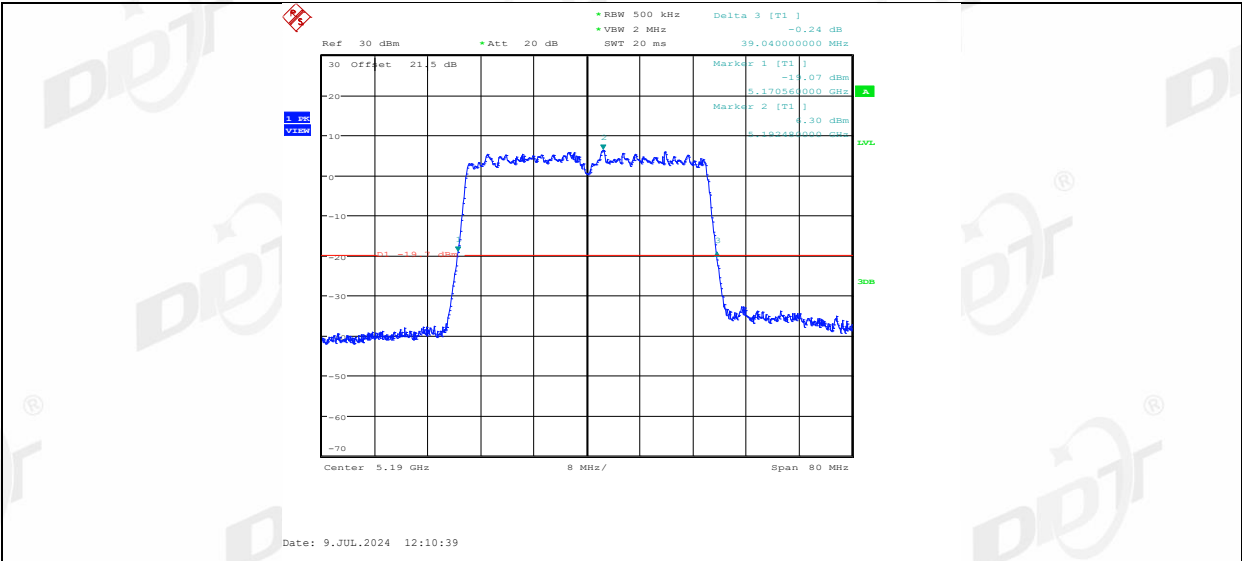
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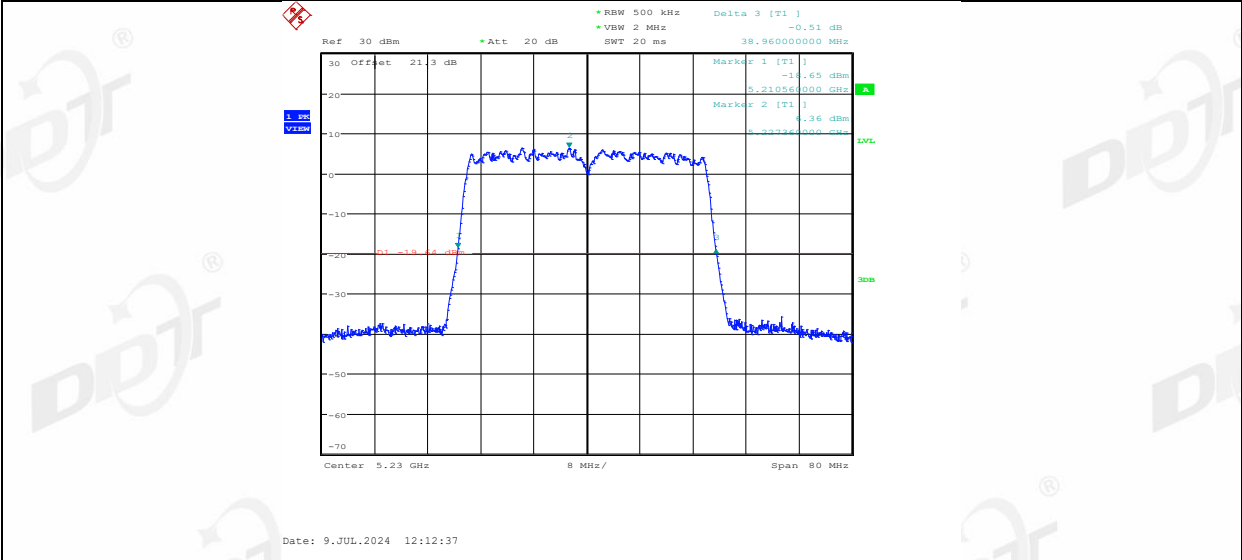
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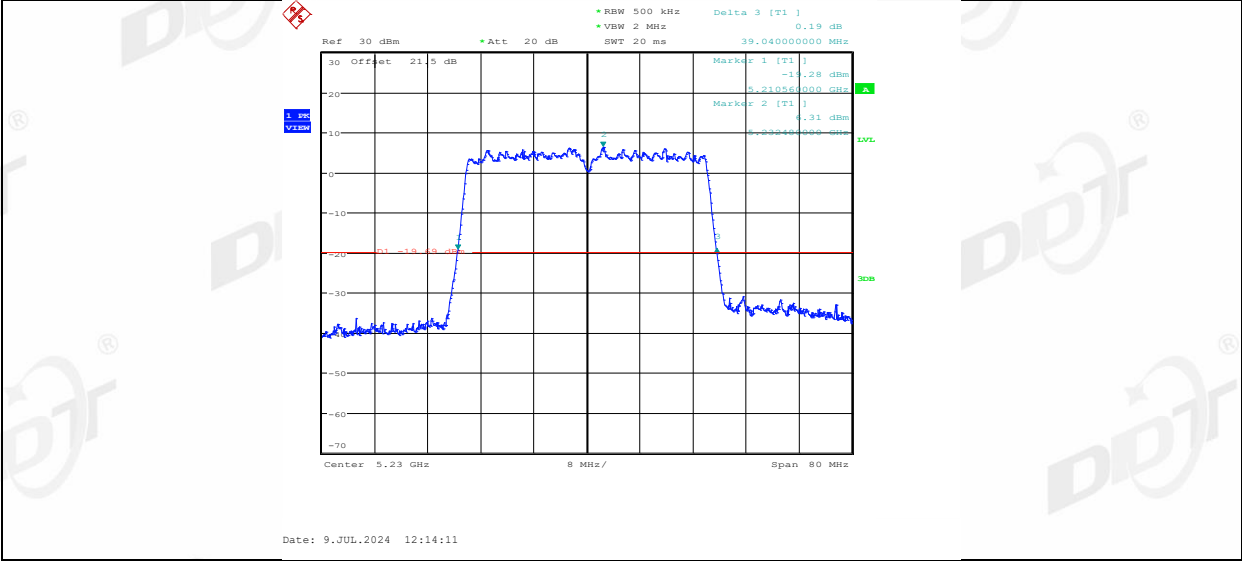
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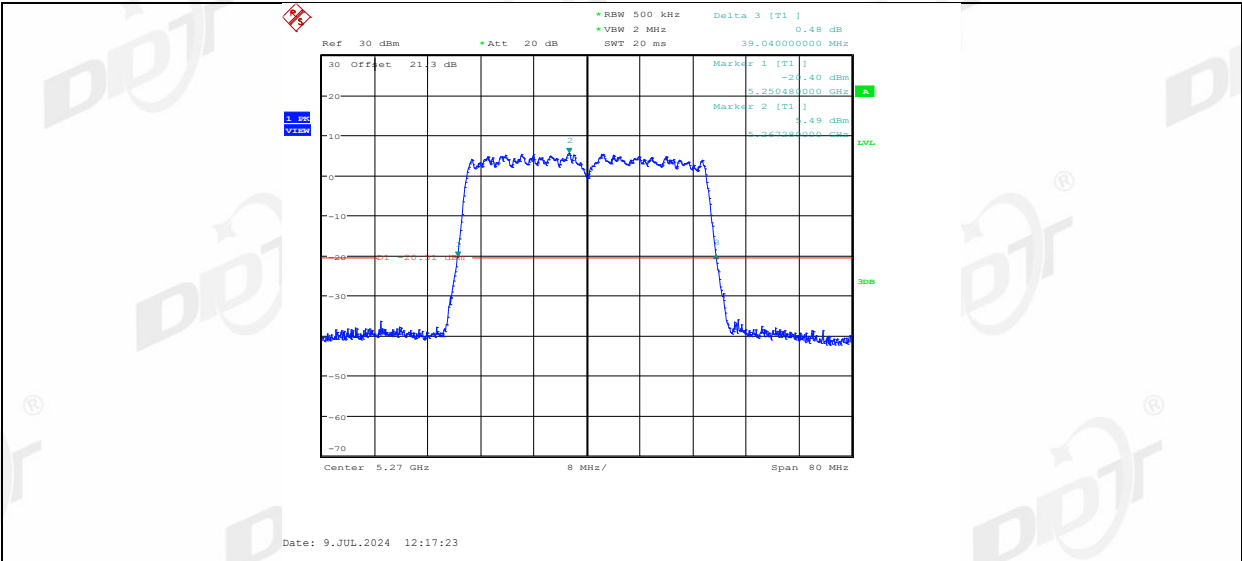
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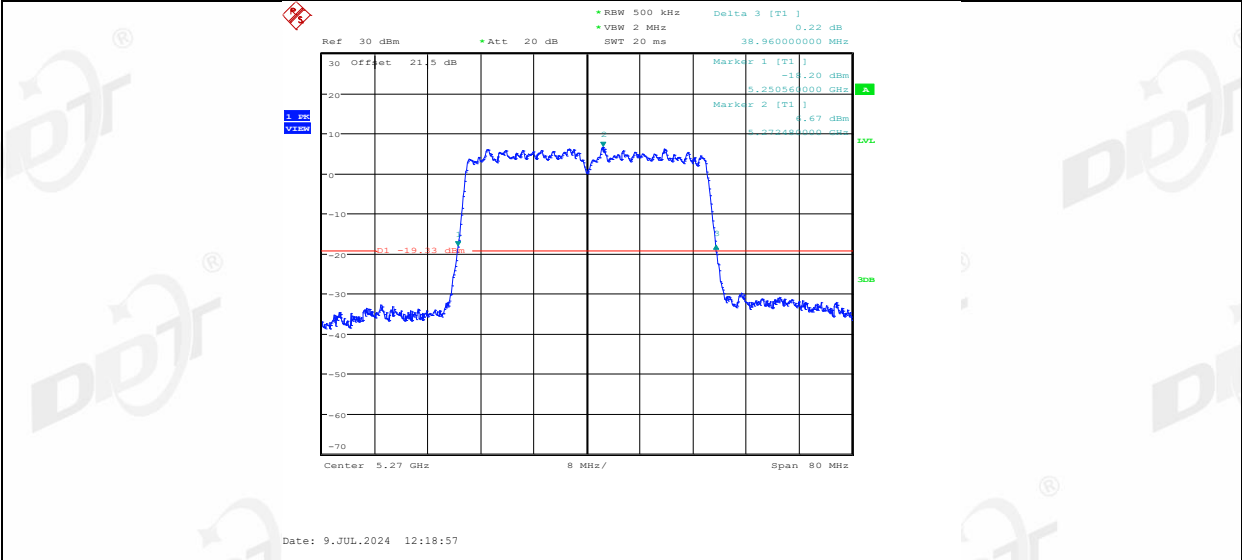
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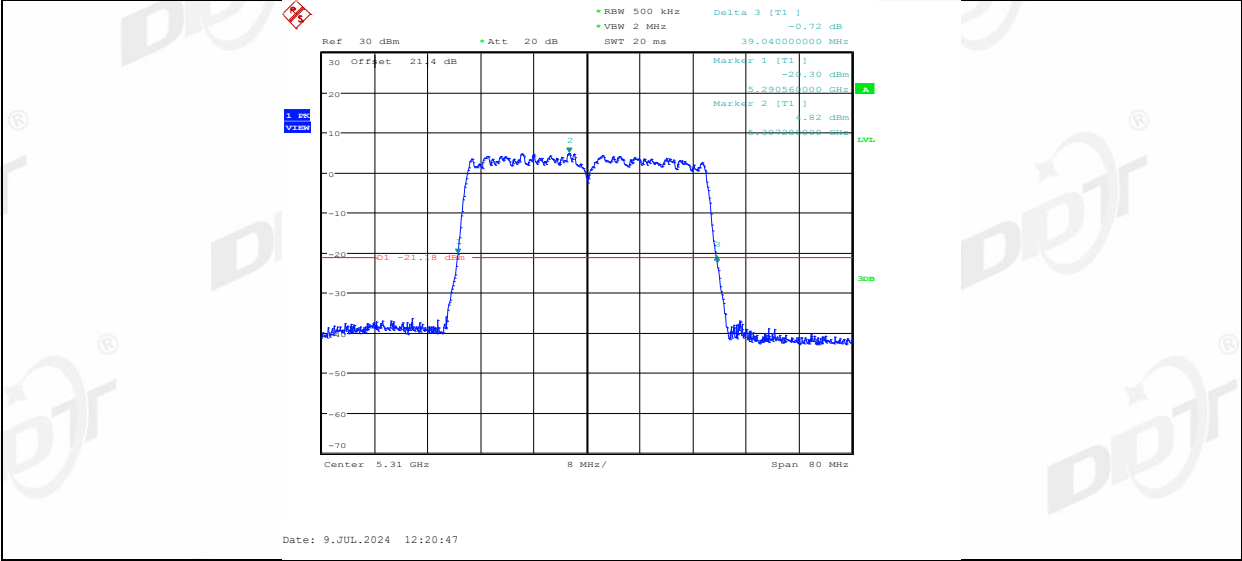
11AC40MIMO_Ant1_5270



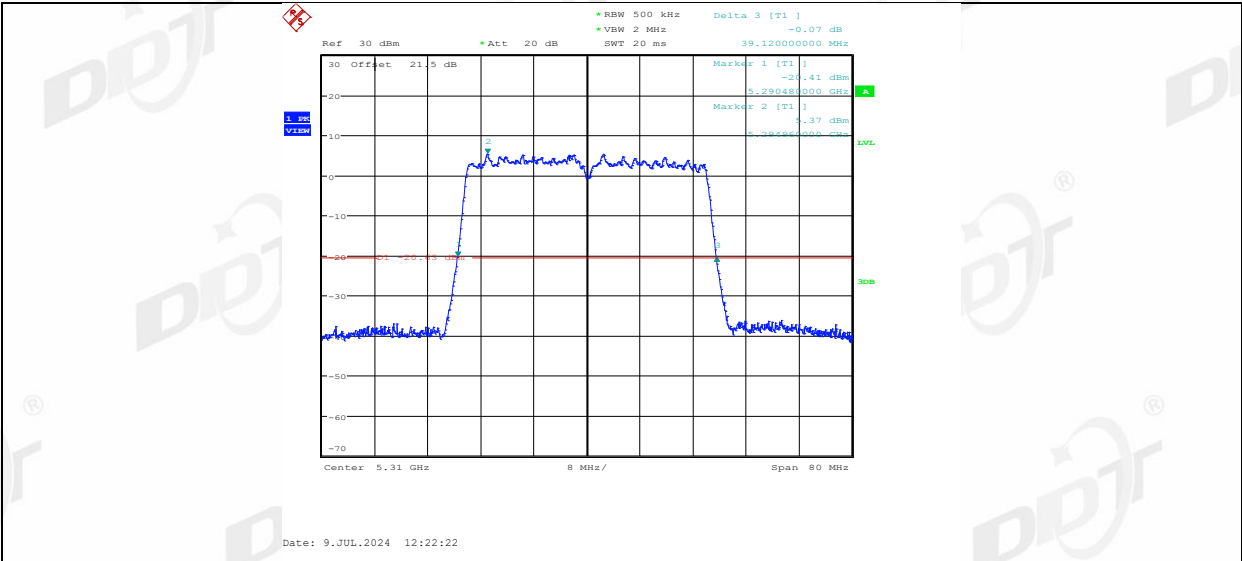
11AC40MIMO_Ant2_5270



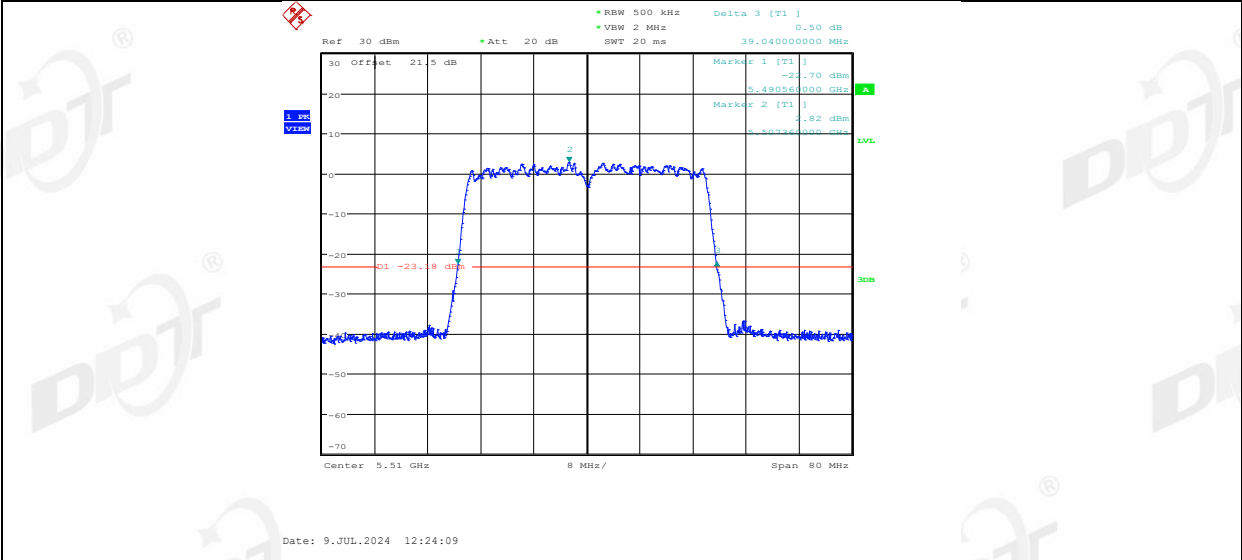
11AC40MIMO_Ant1_5310



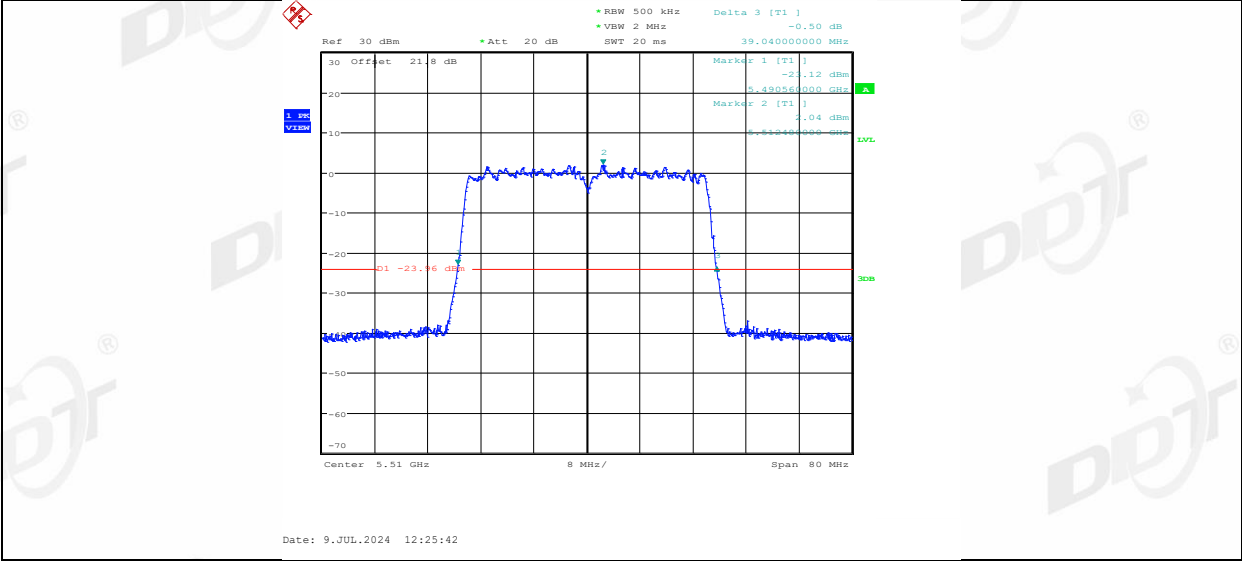
11AC40MIMO_Ant2_5310



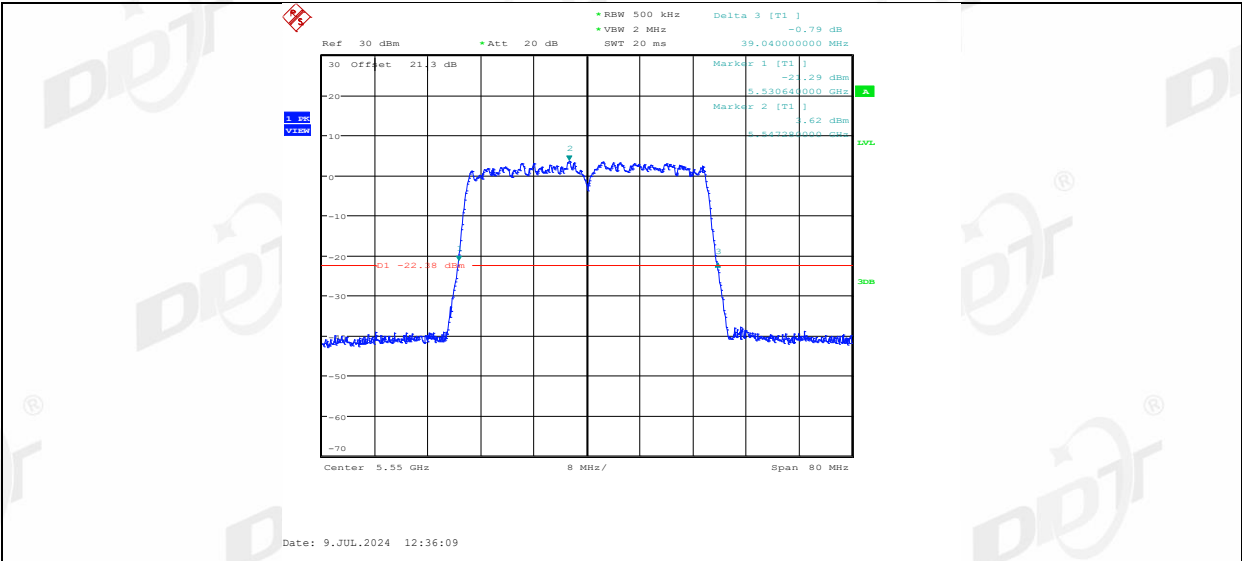
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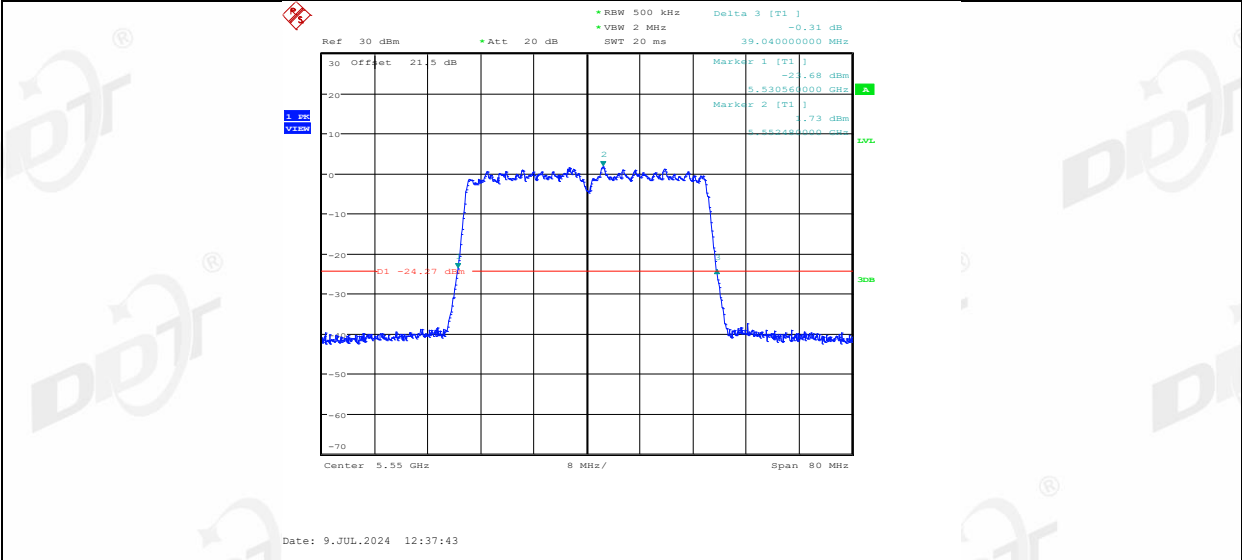
11AC40MIMO_Ant2_5510



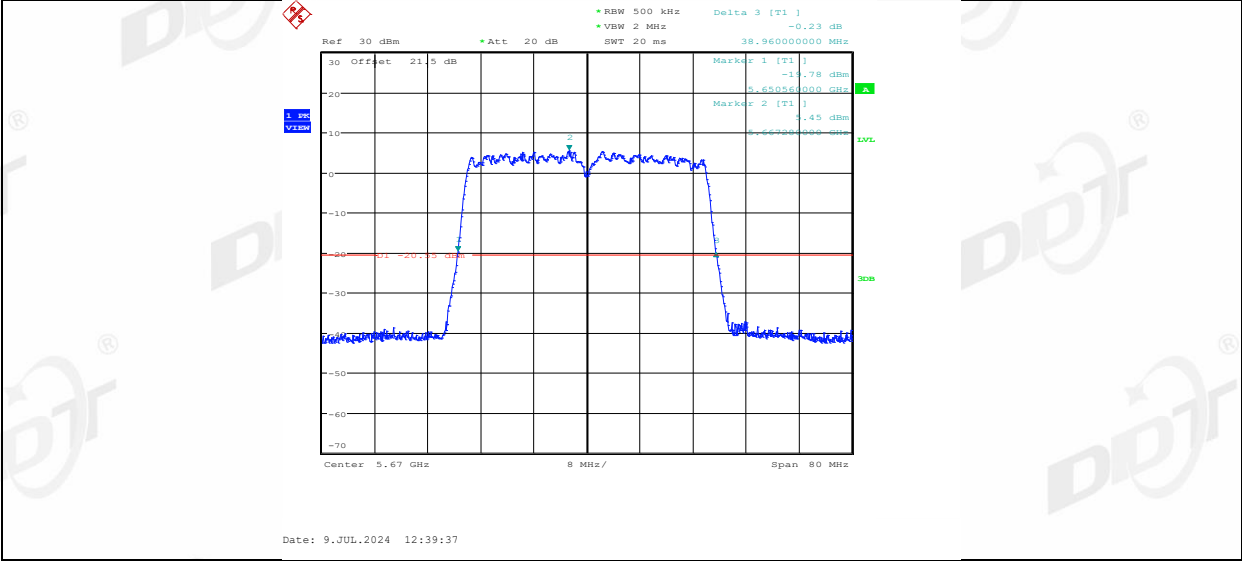
11AC40MIMO_Ant1_5550



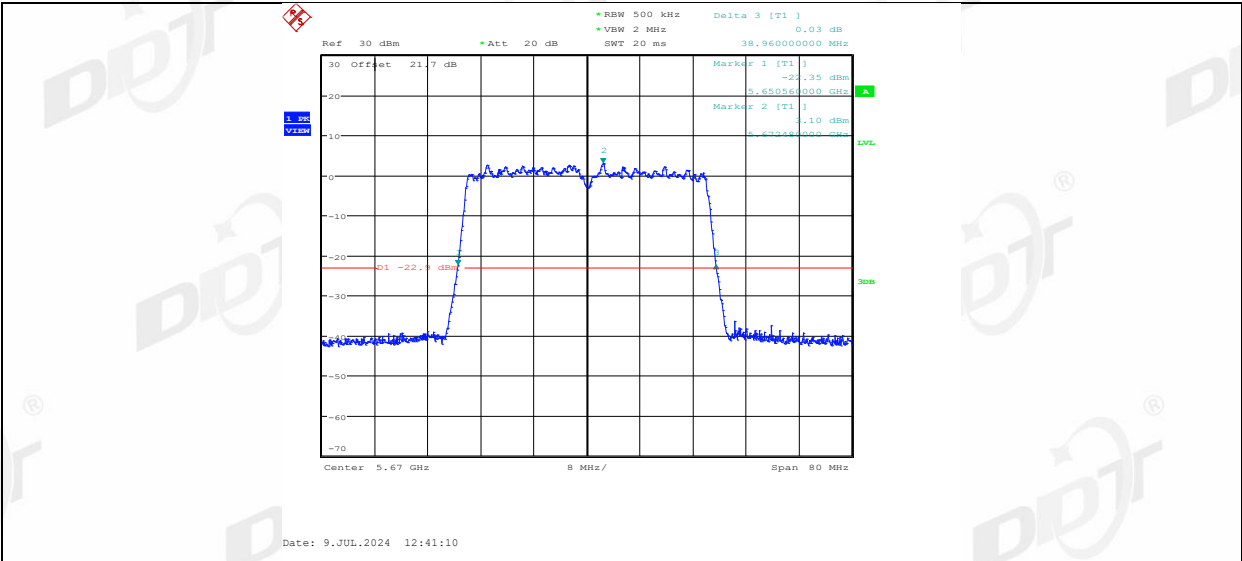
11AC40MIMO_Ant2_5550



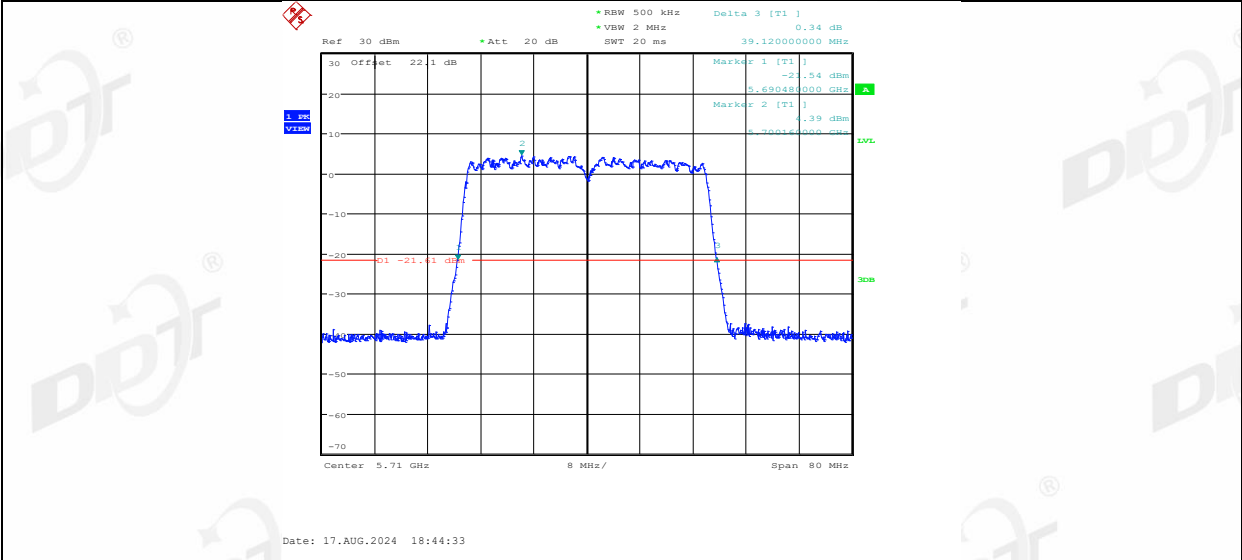
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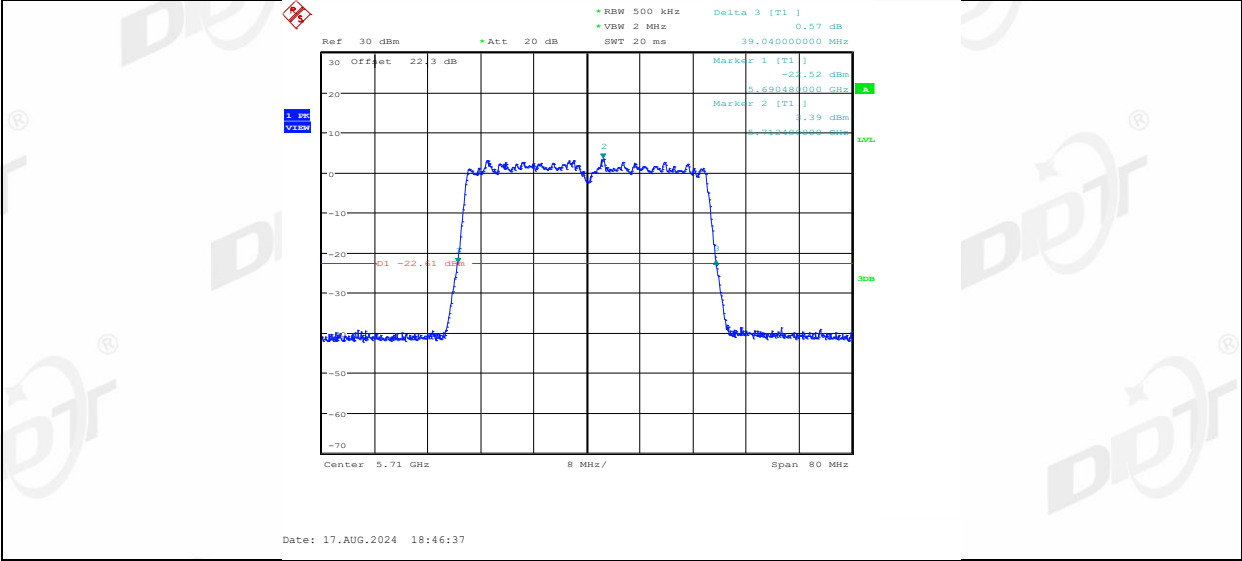
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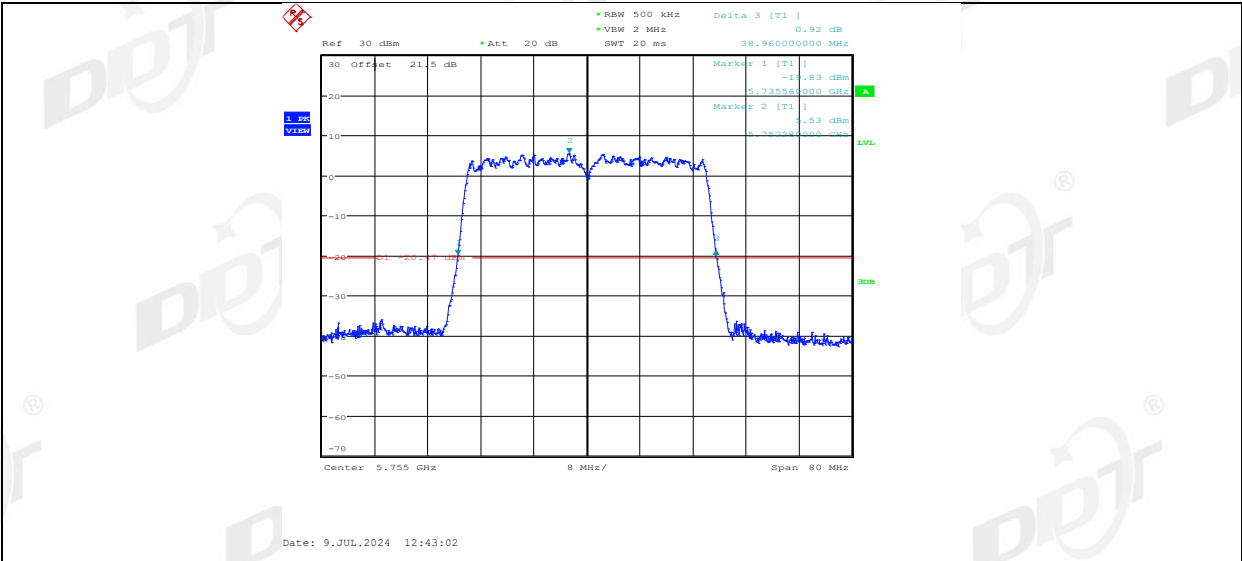
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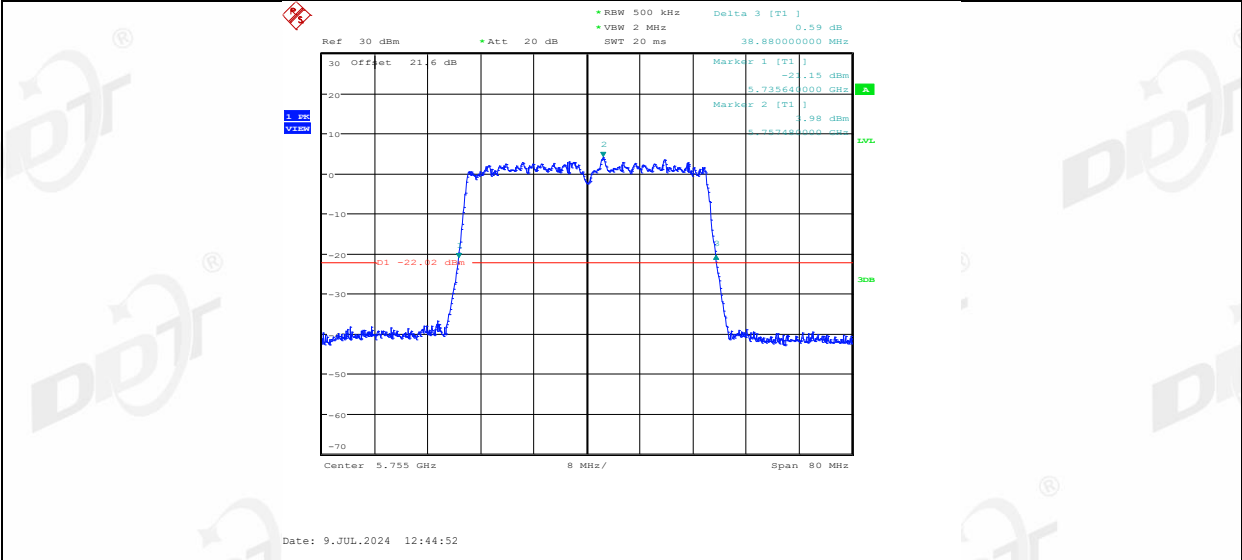
11AC40MIMO_Ant2_5710



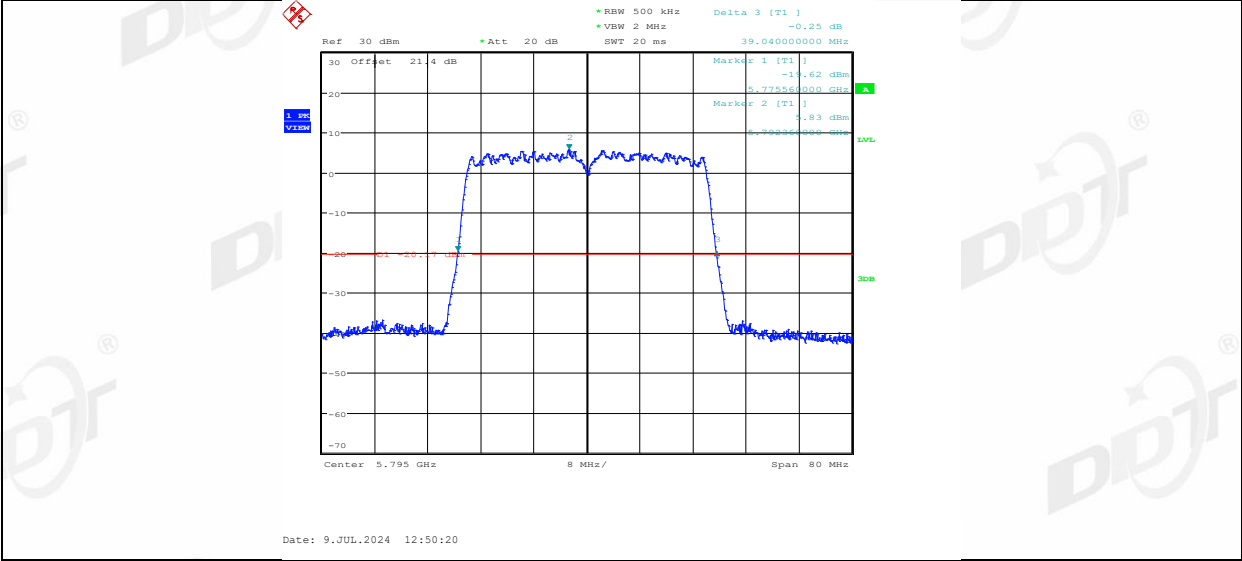
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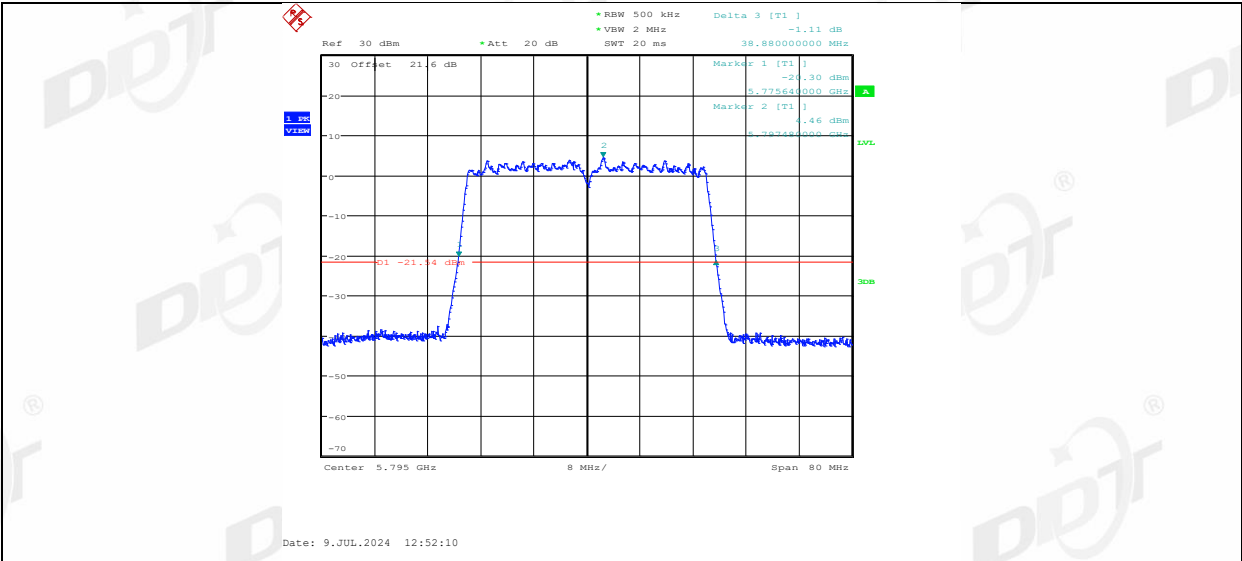
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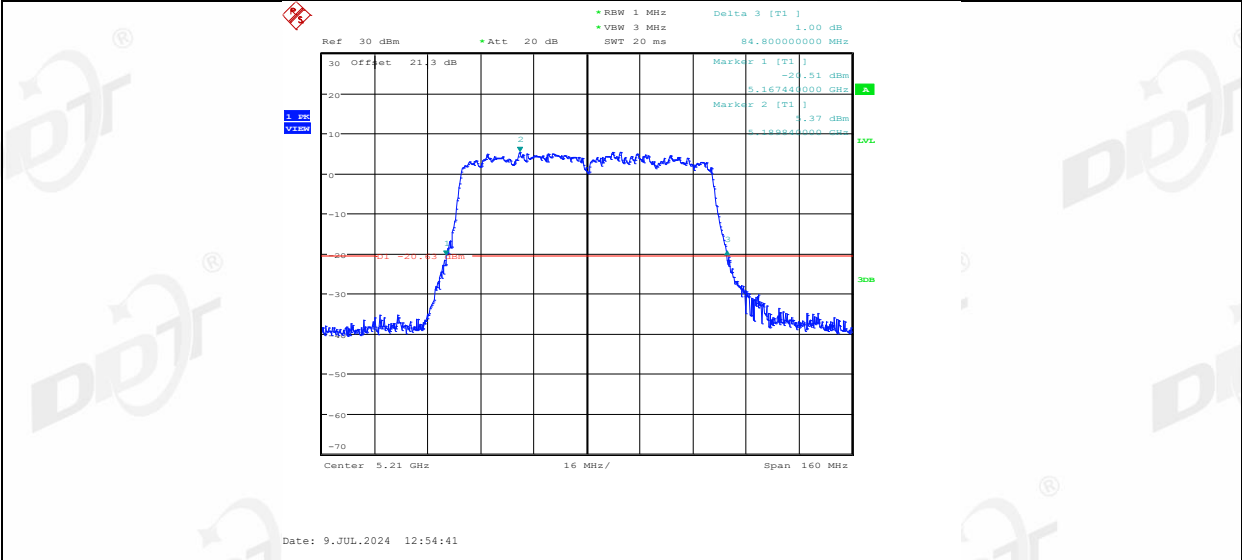
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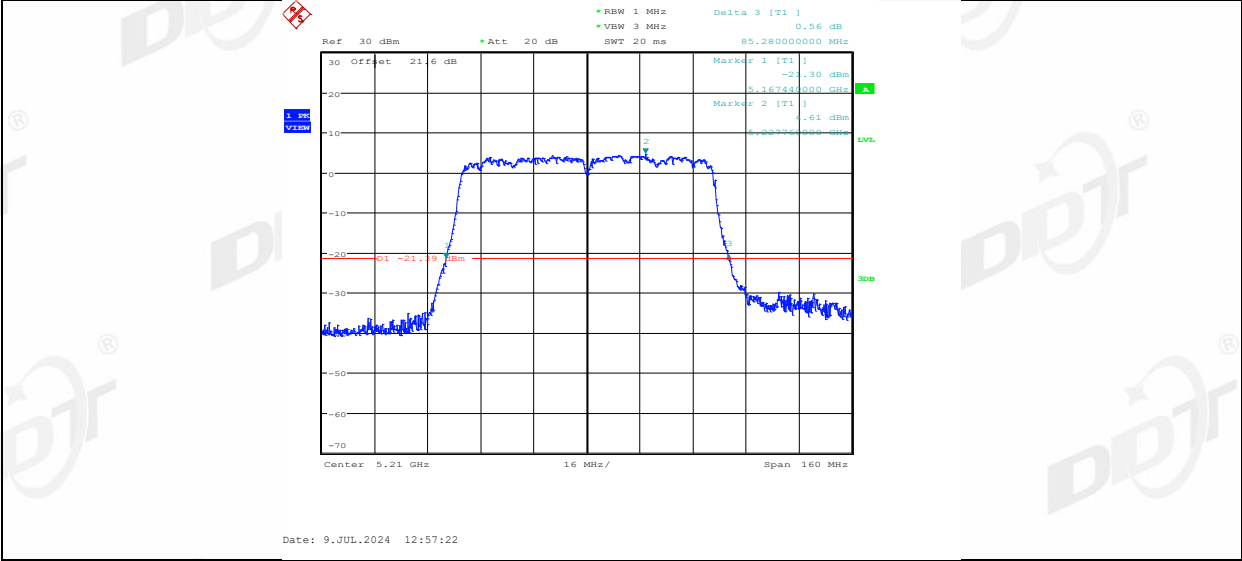
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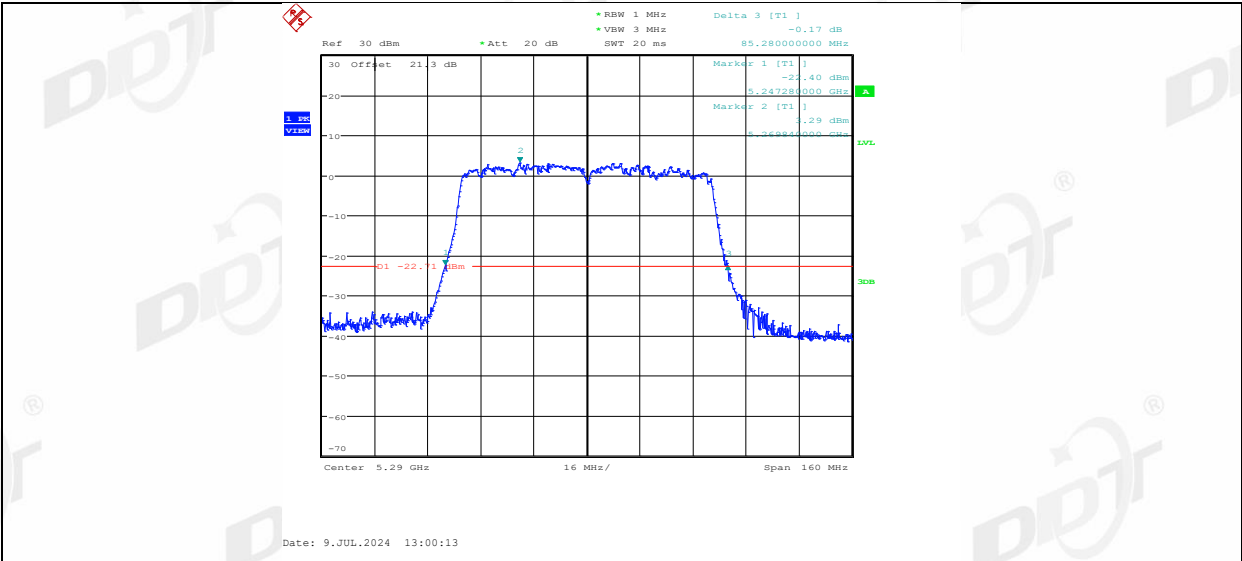
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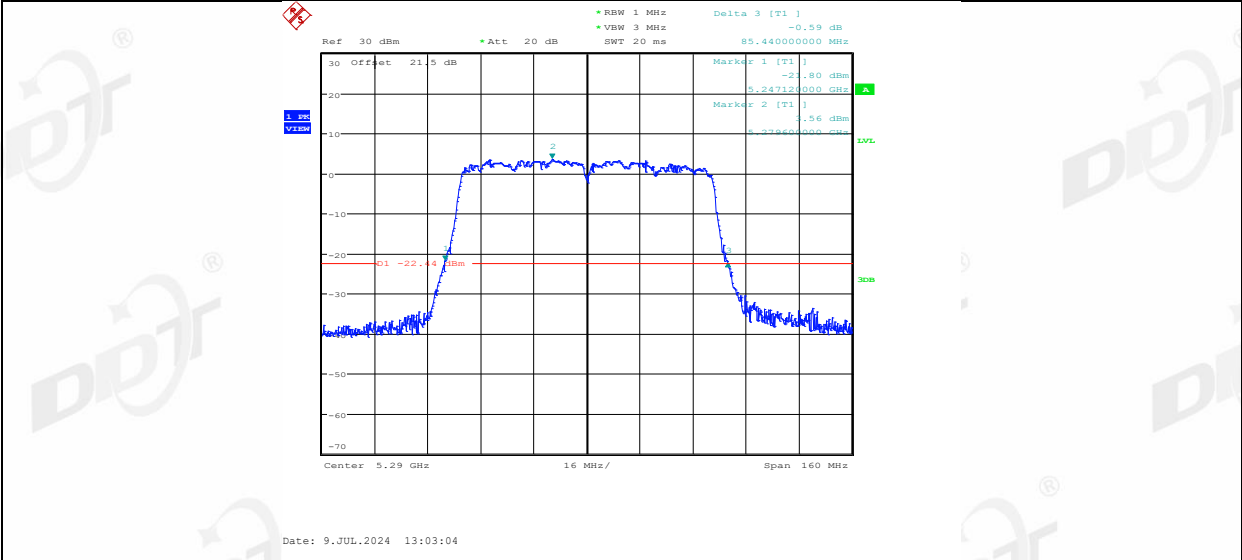
11AC80MIMO_Ant2_5210



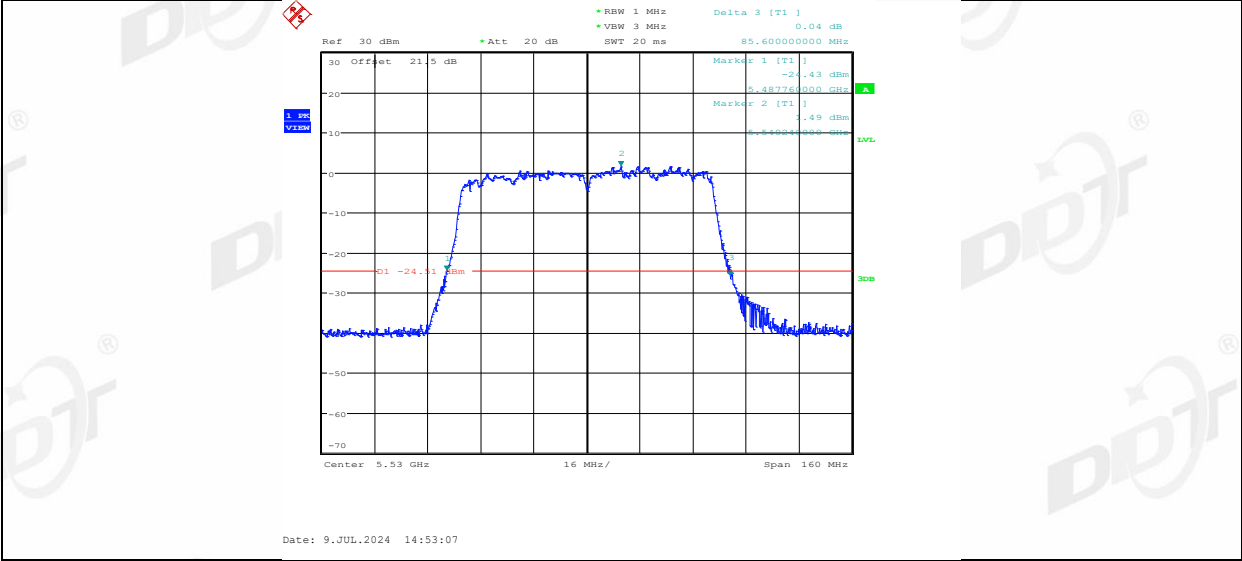
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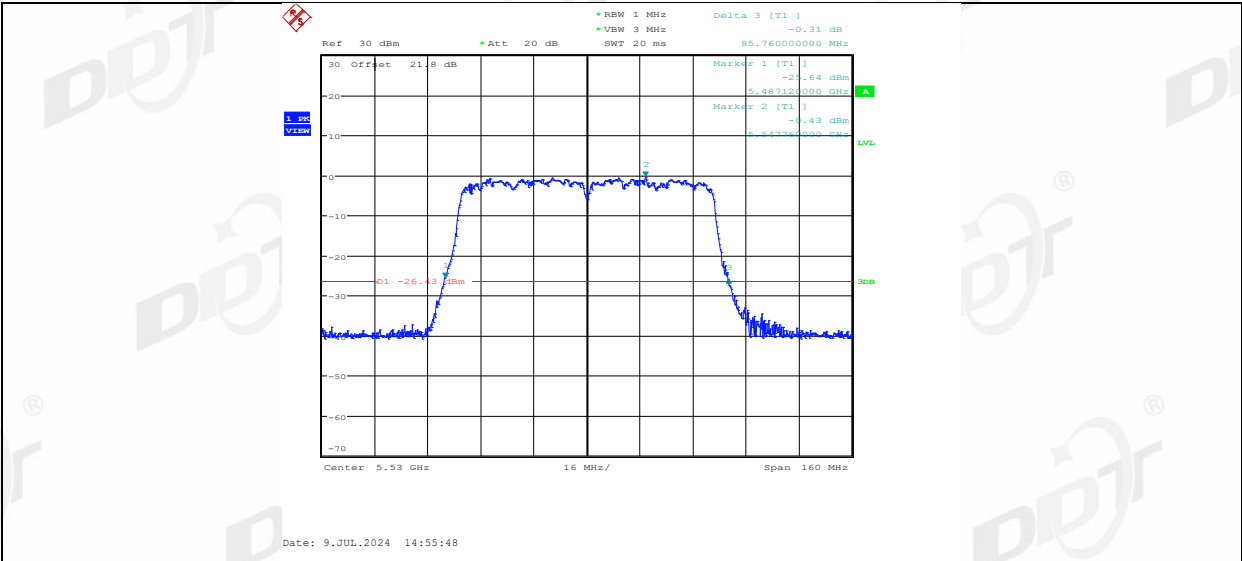
11AC80MIMO_Ant2_5290



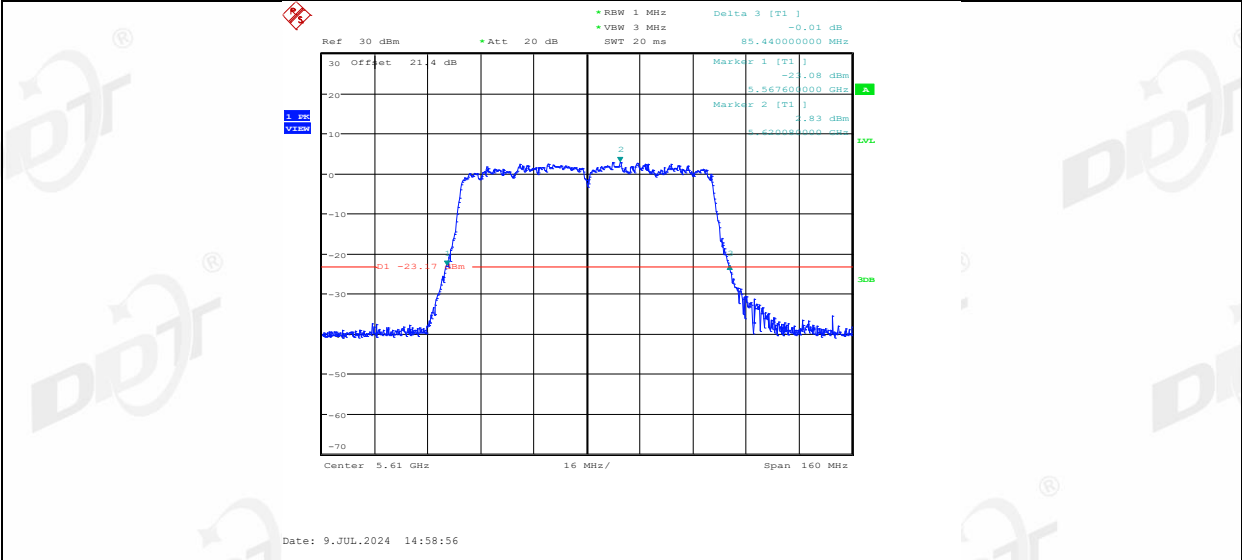
11AC80MIMO_Ant1_5530



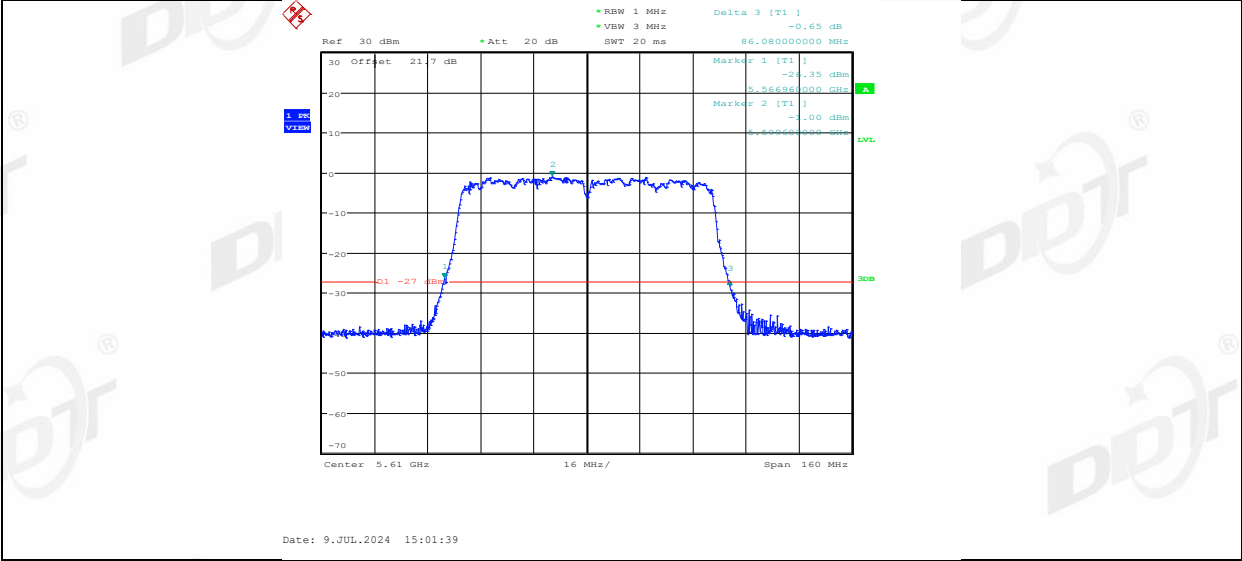
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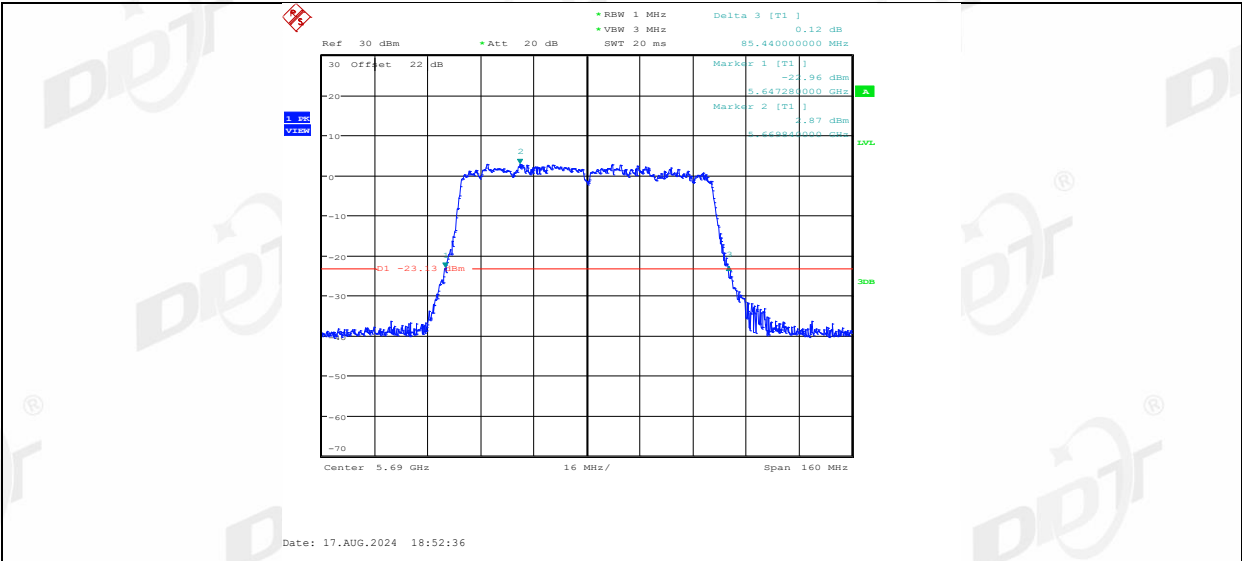
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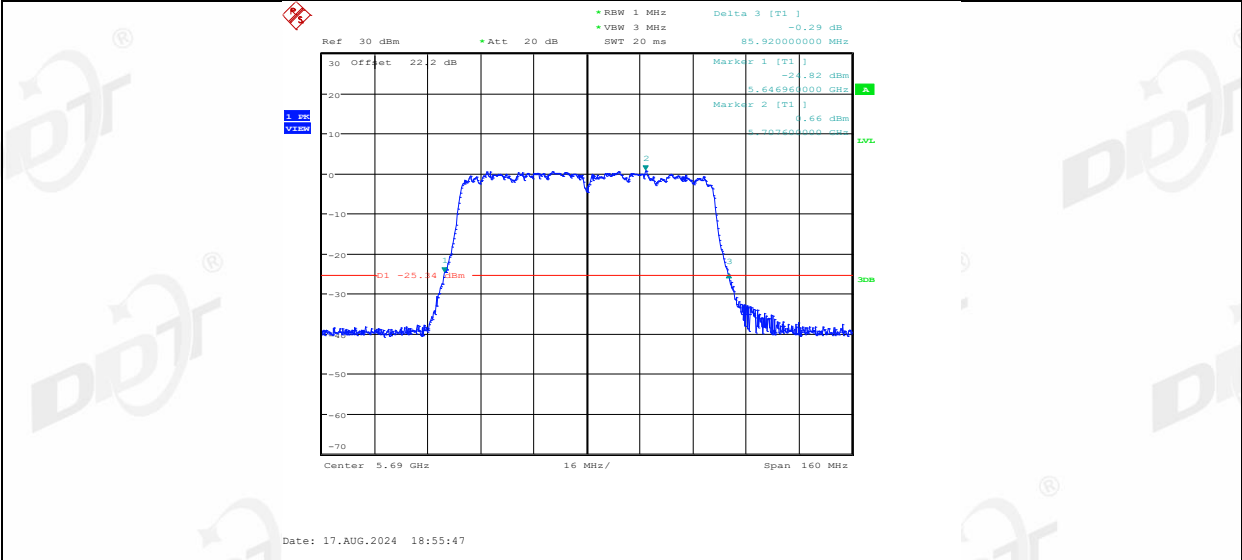
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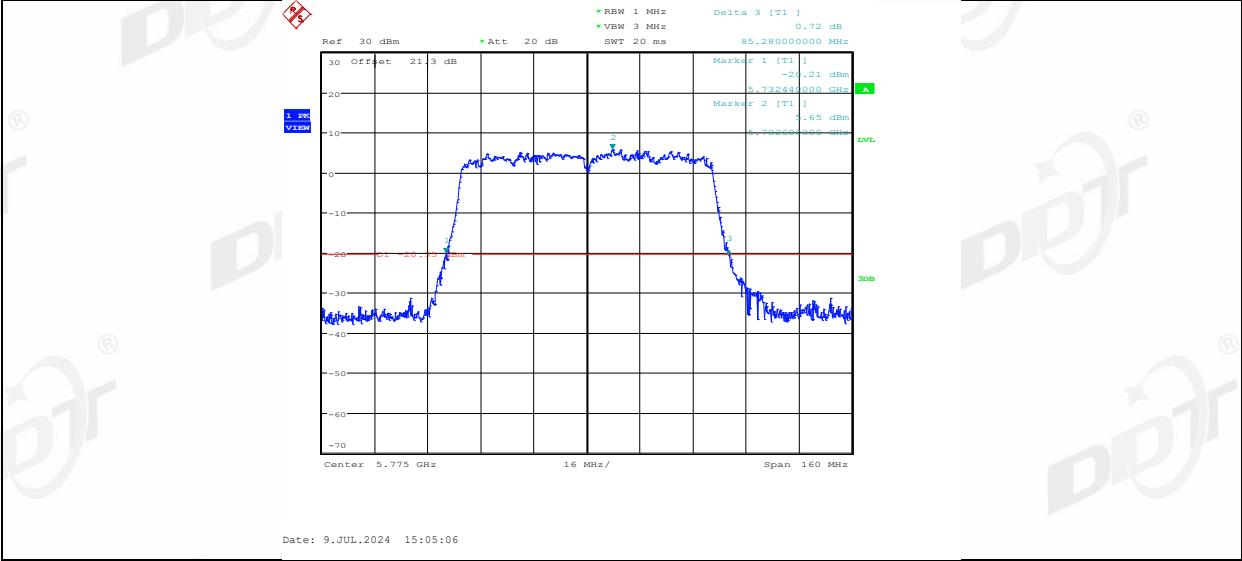
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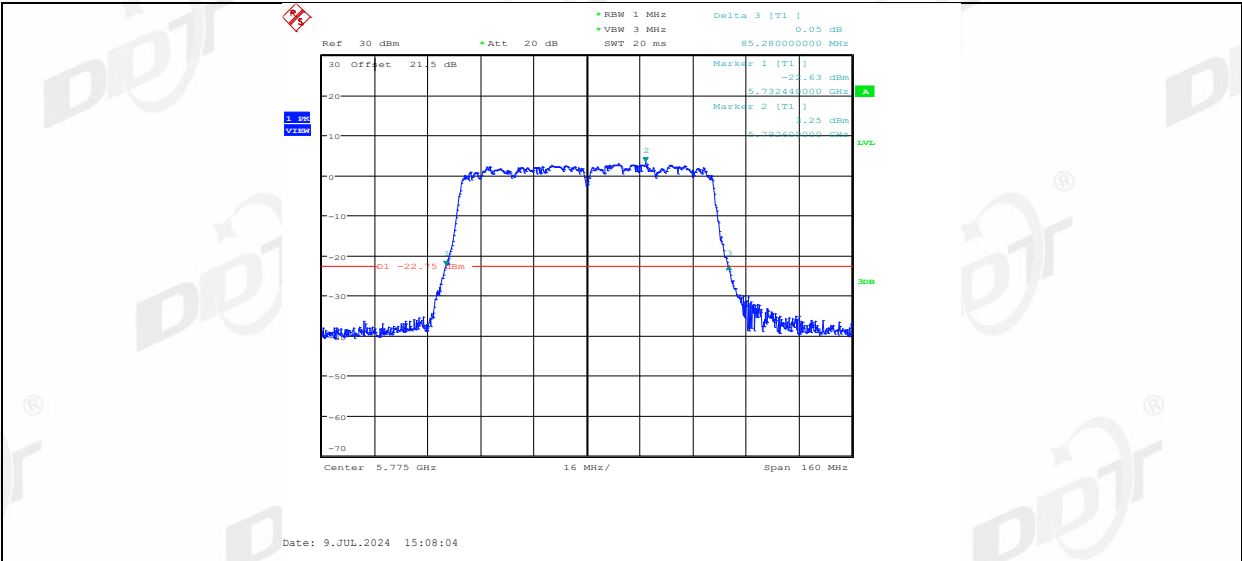
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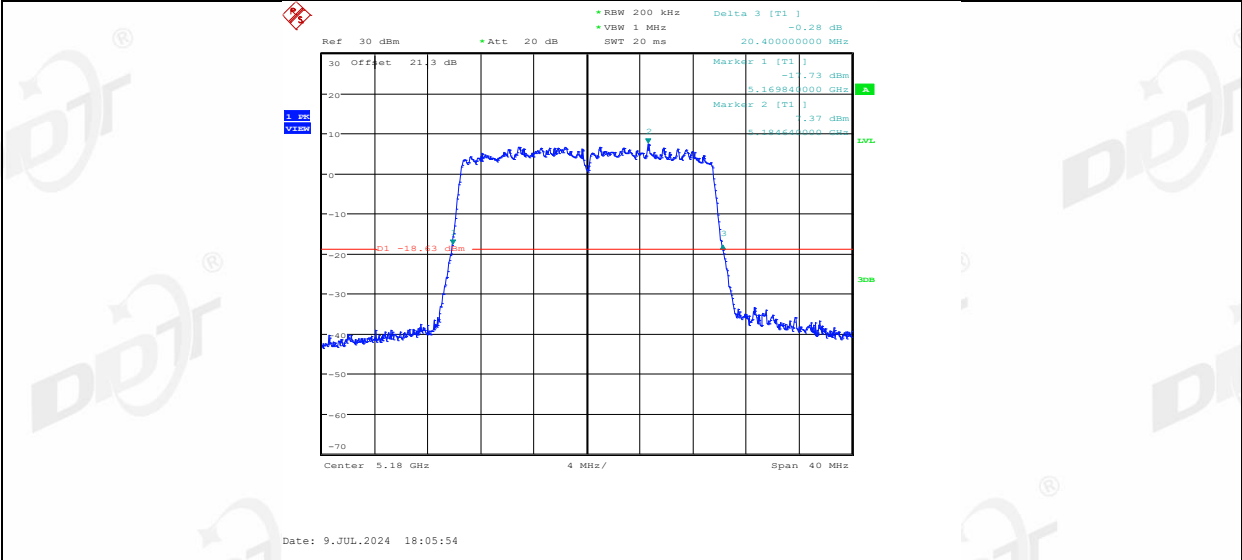
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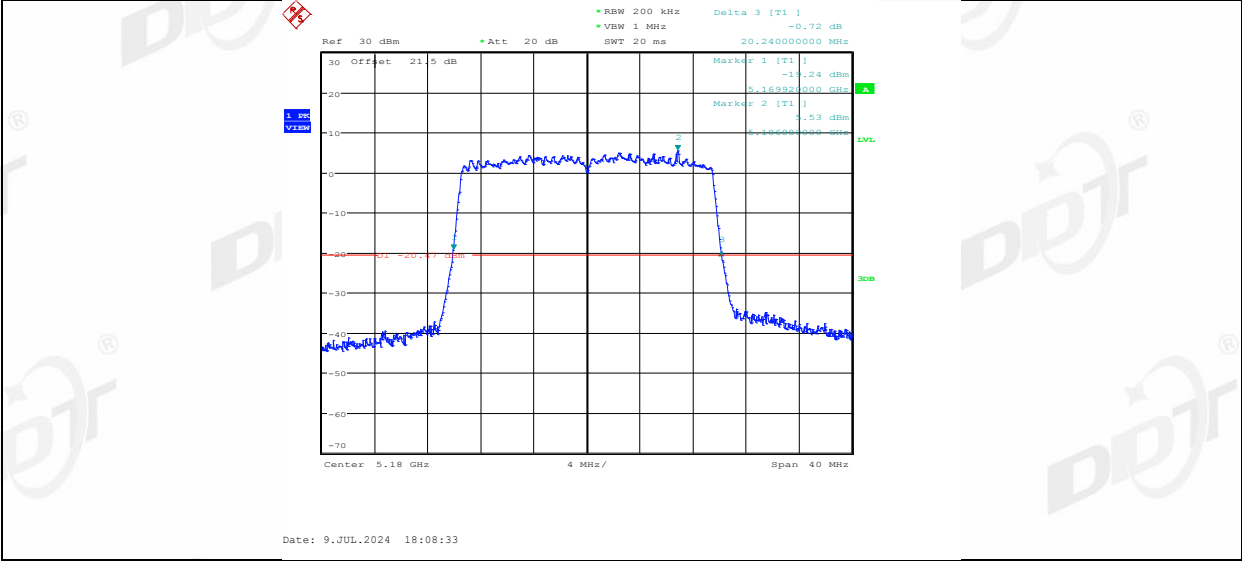
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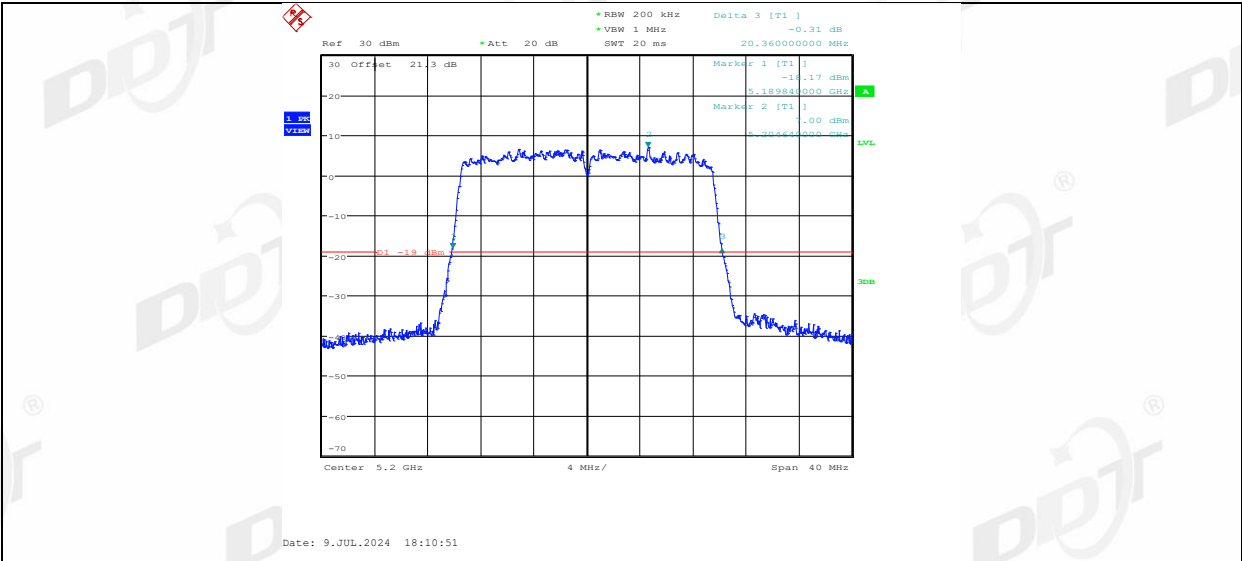
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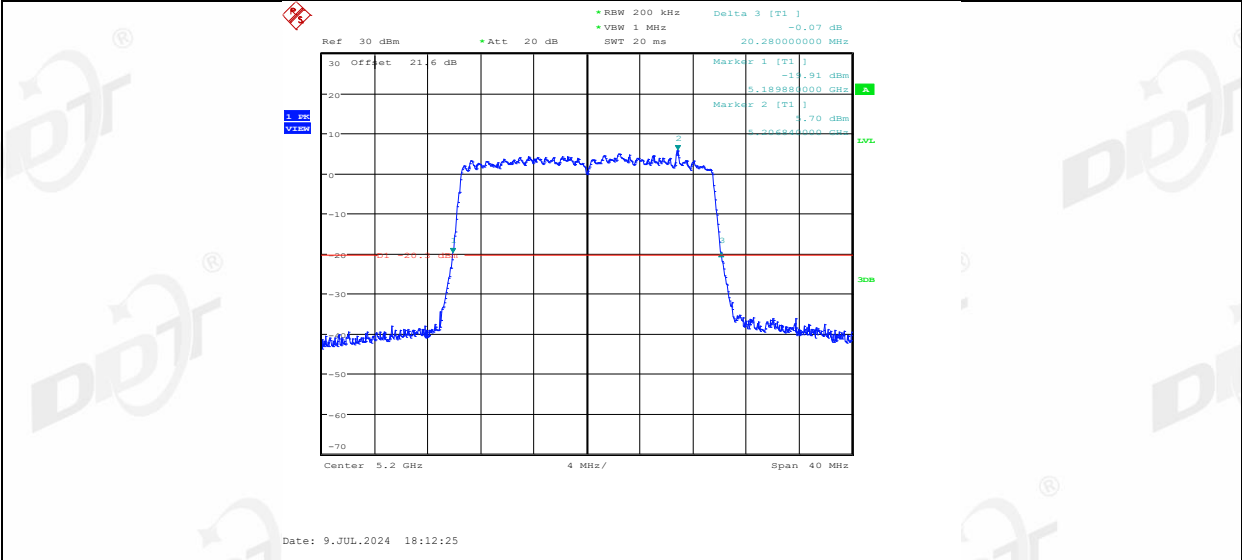
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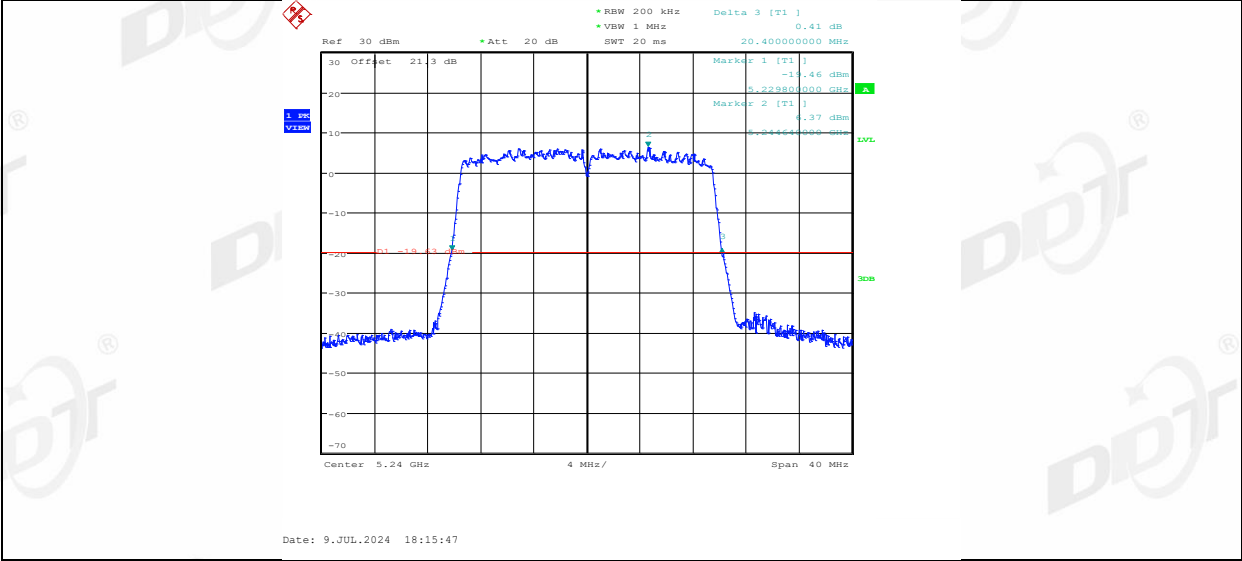
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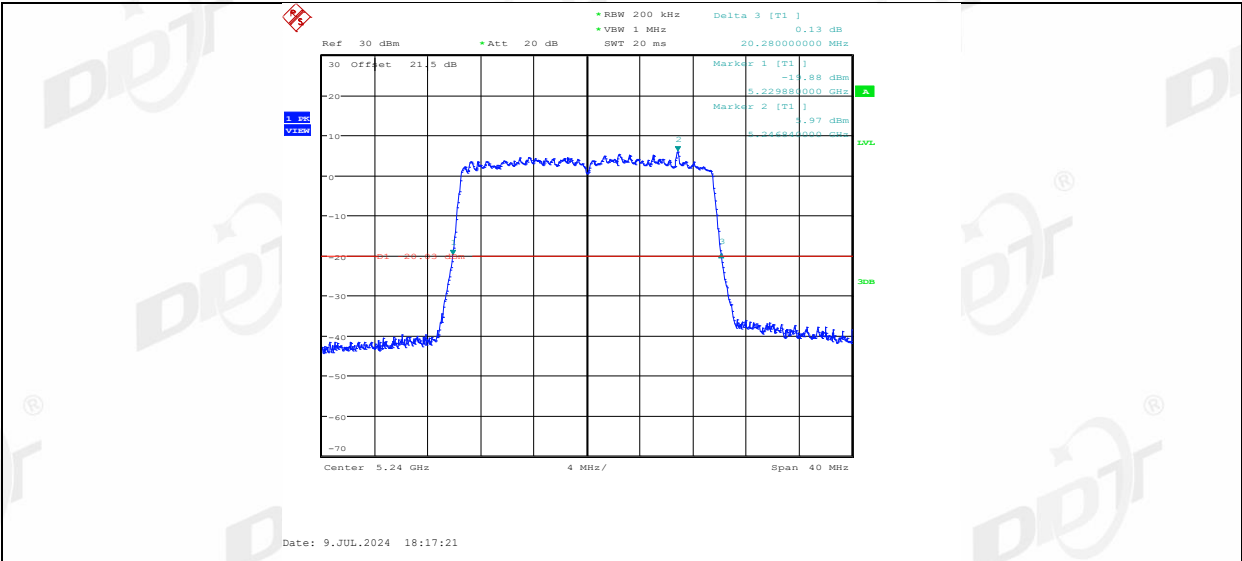
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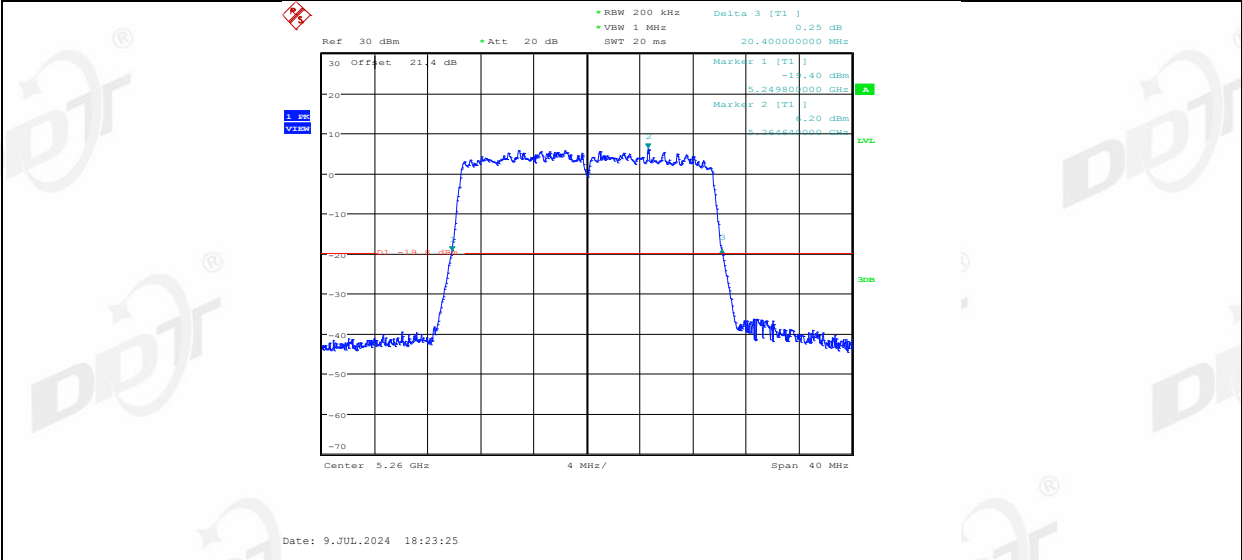
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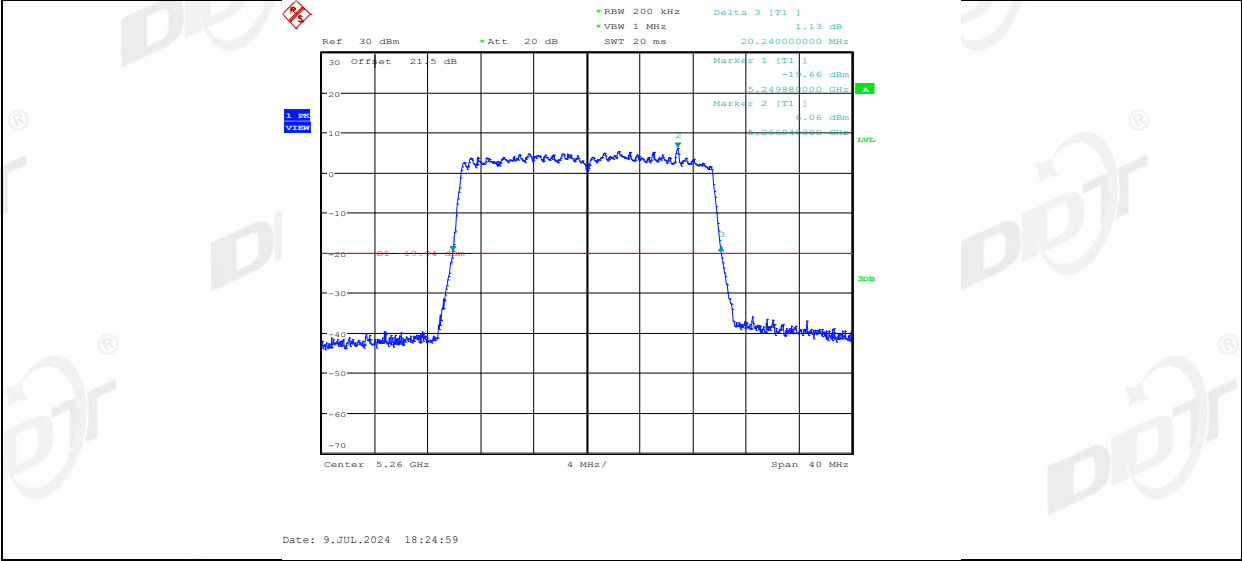
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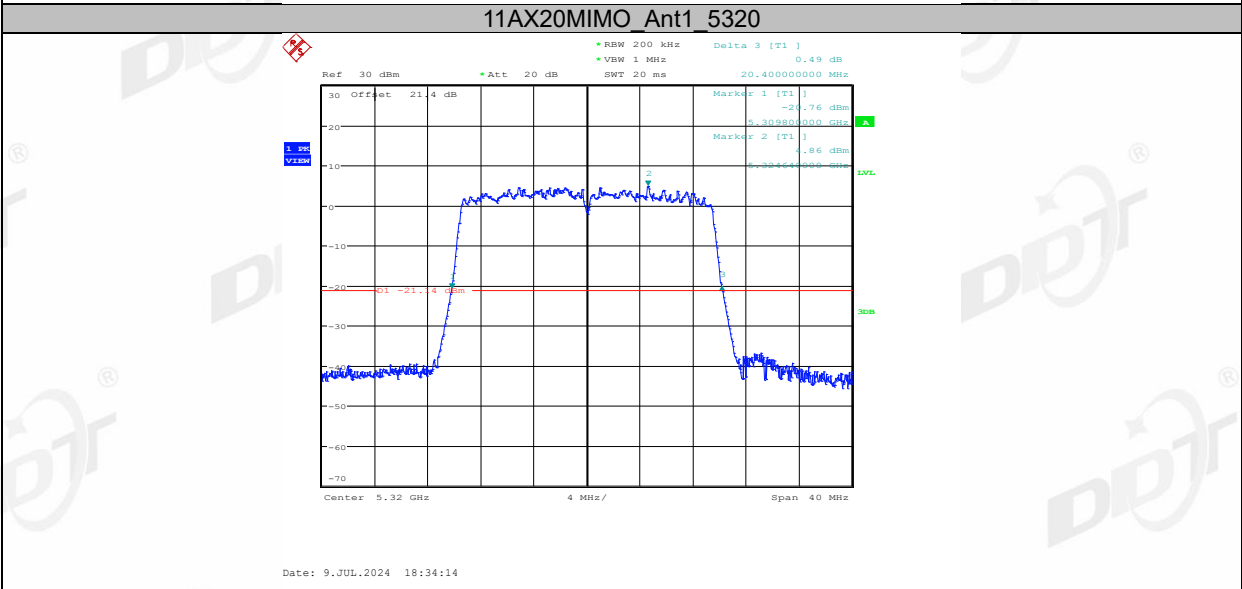
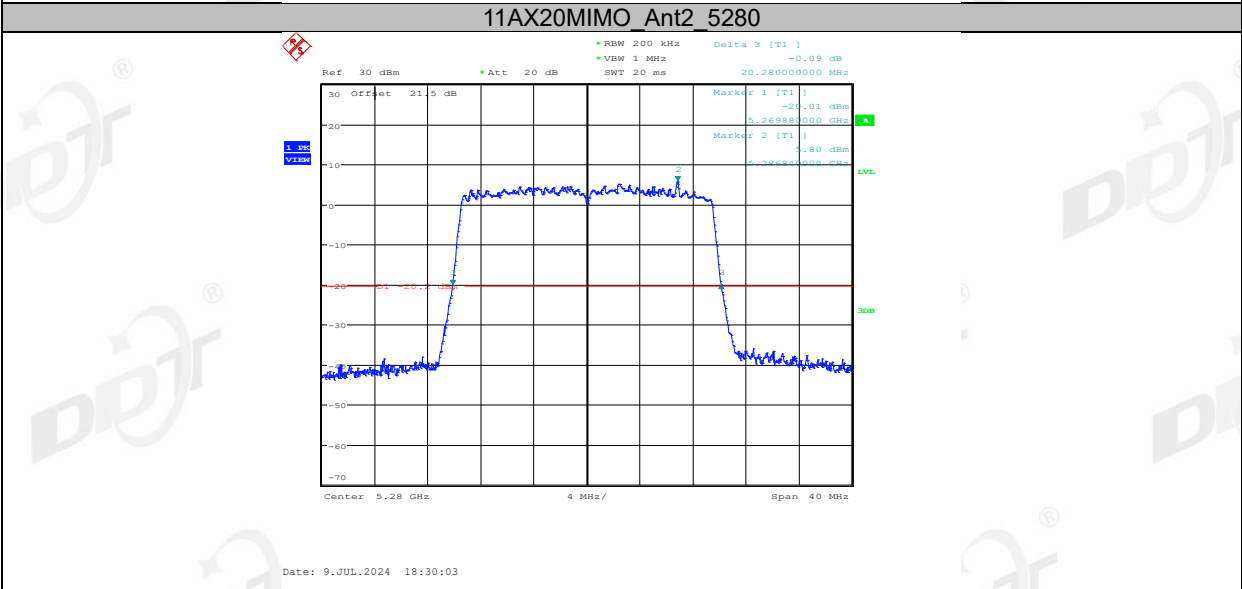
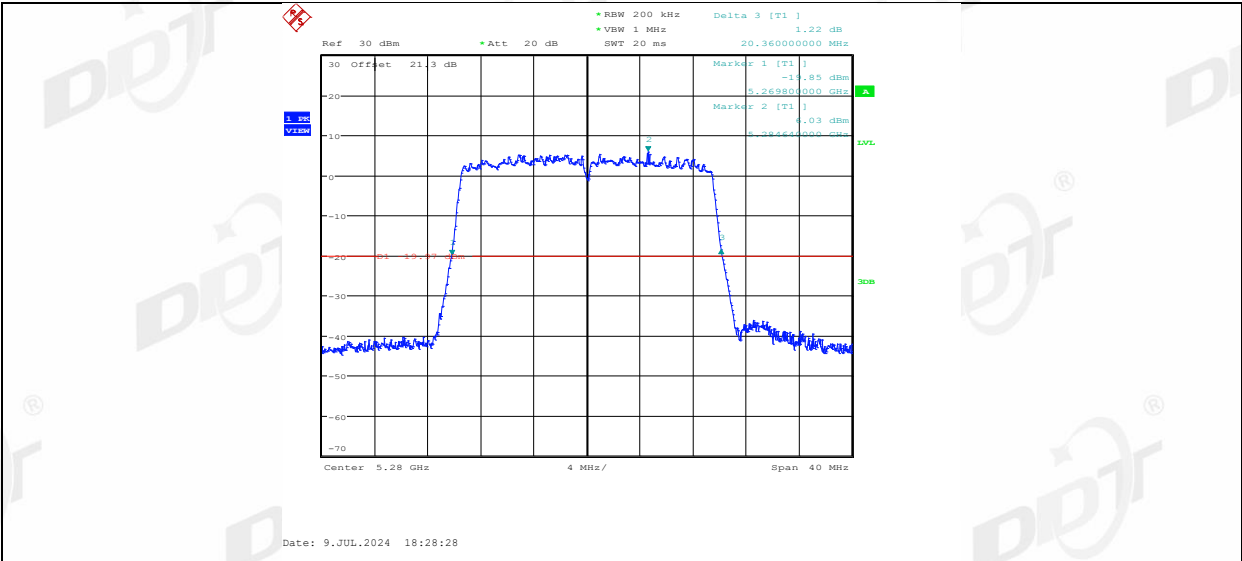
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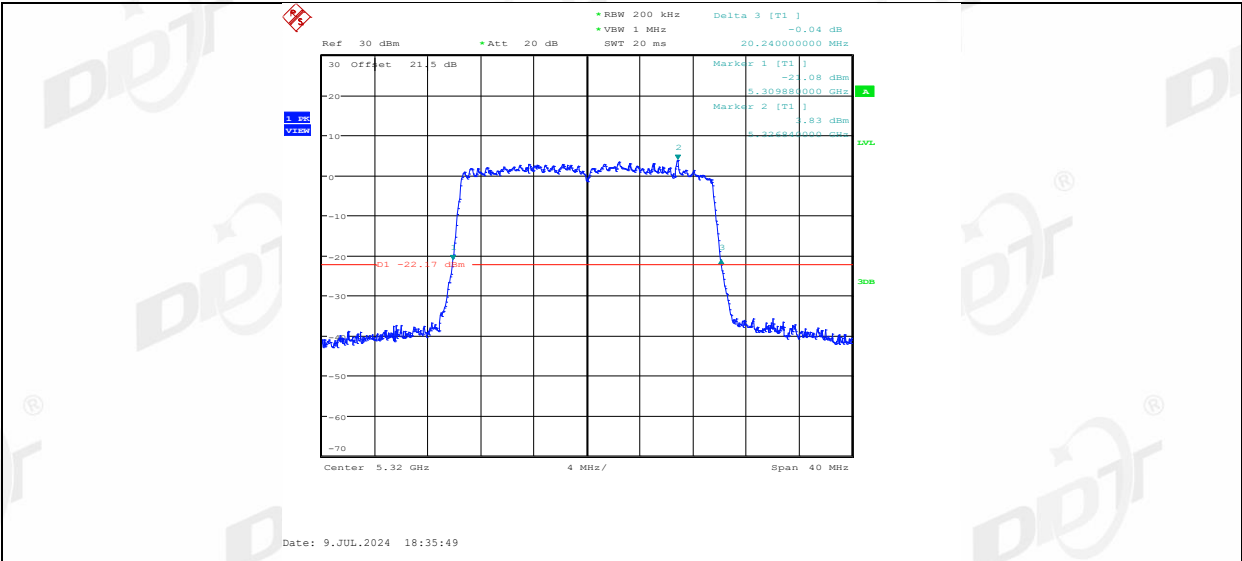
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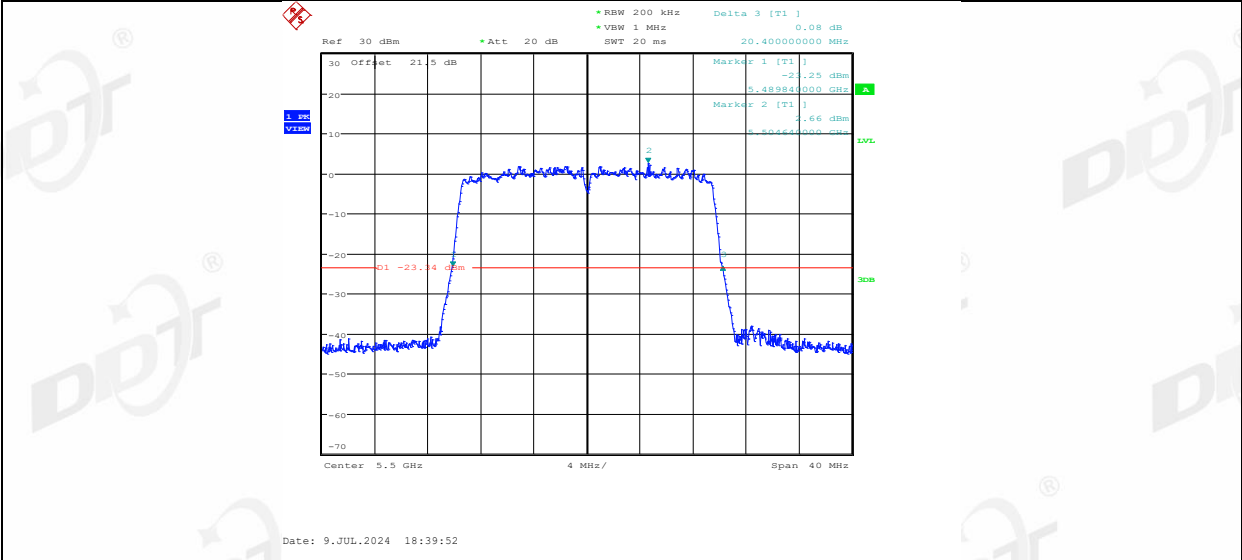
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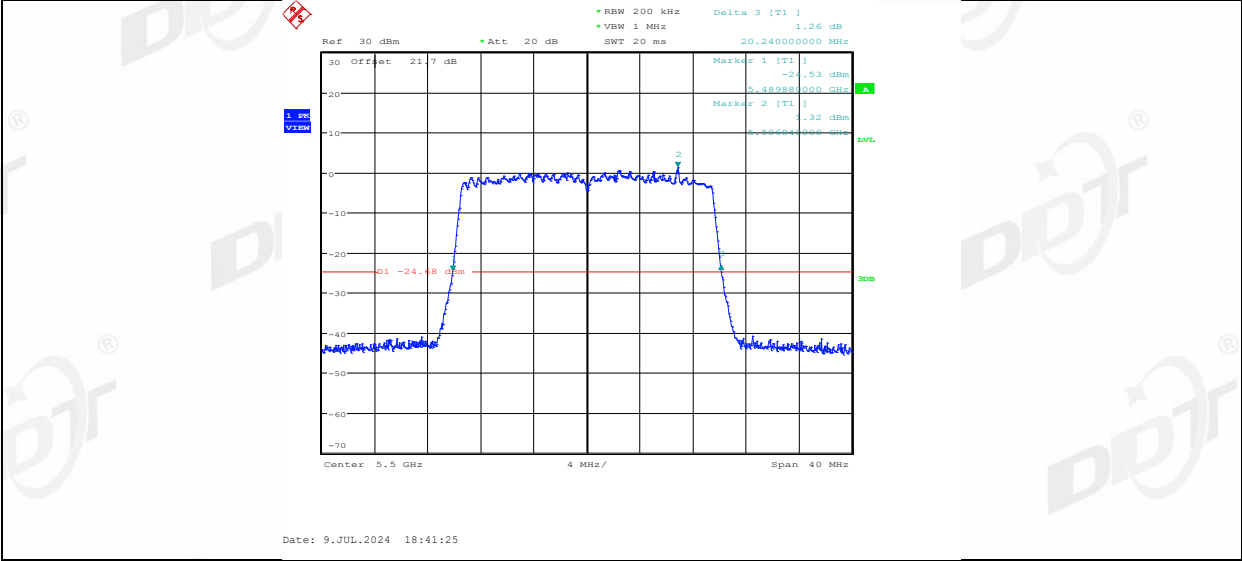
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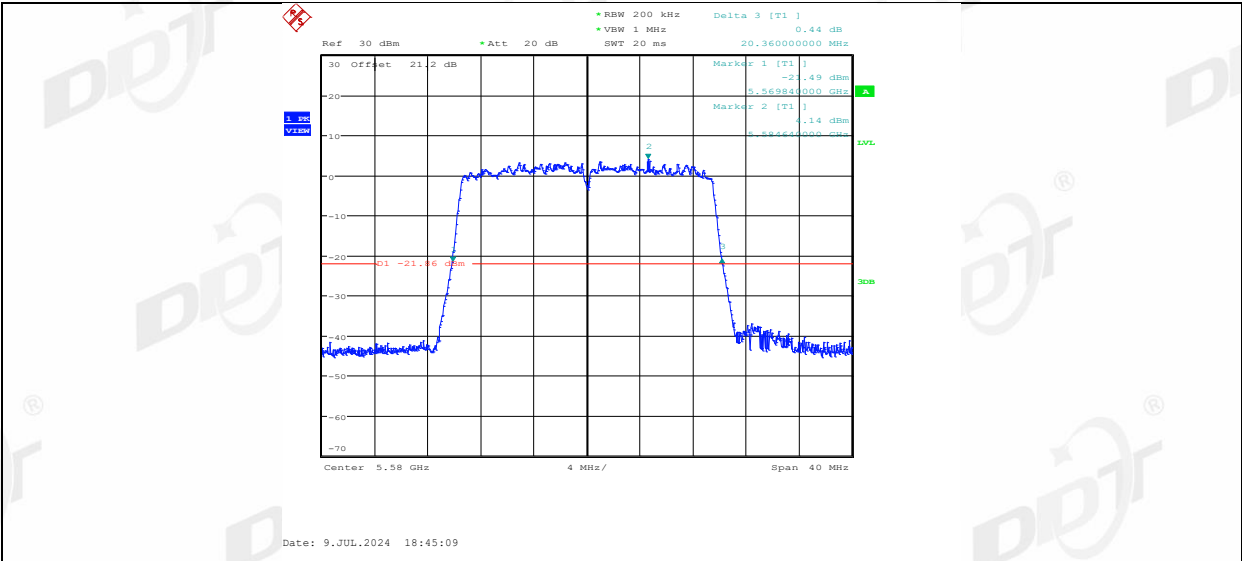
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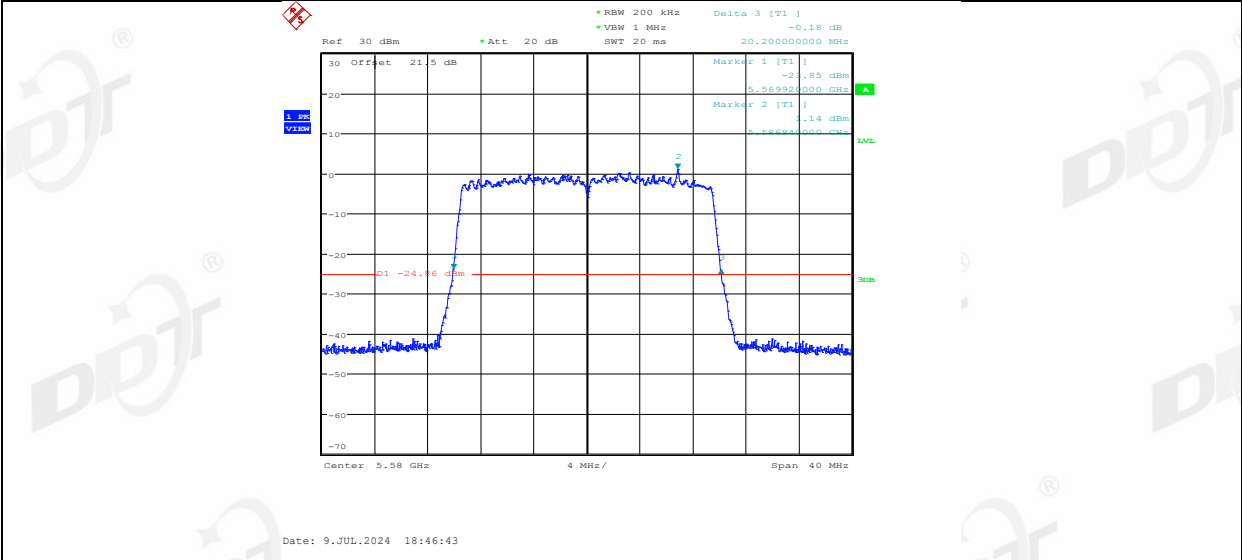
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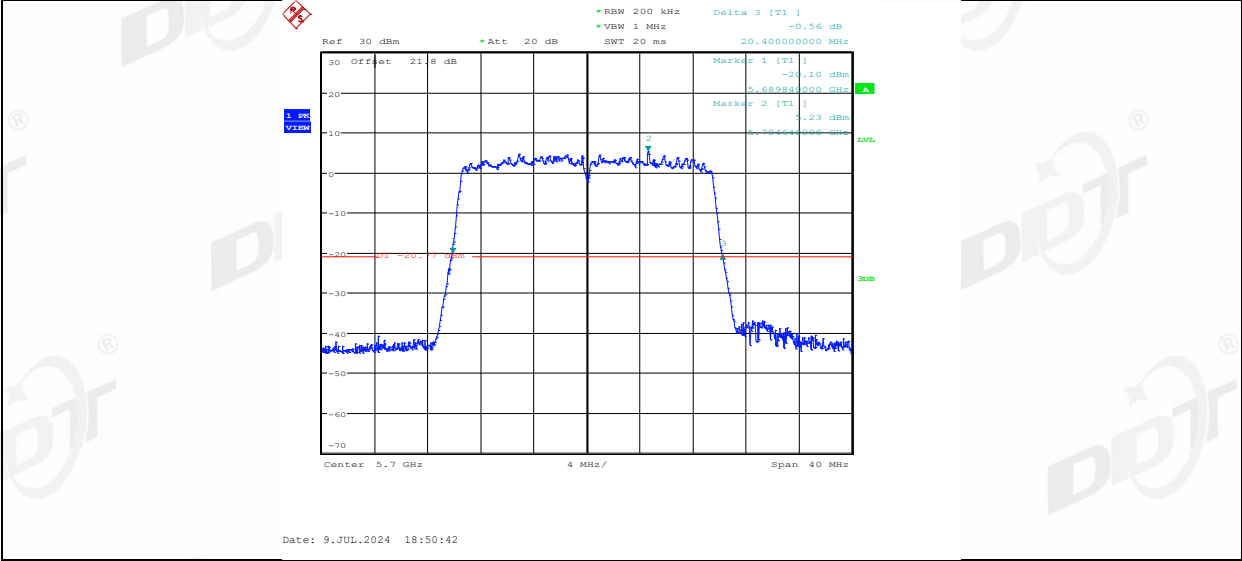
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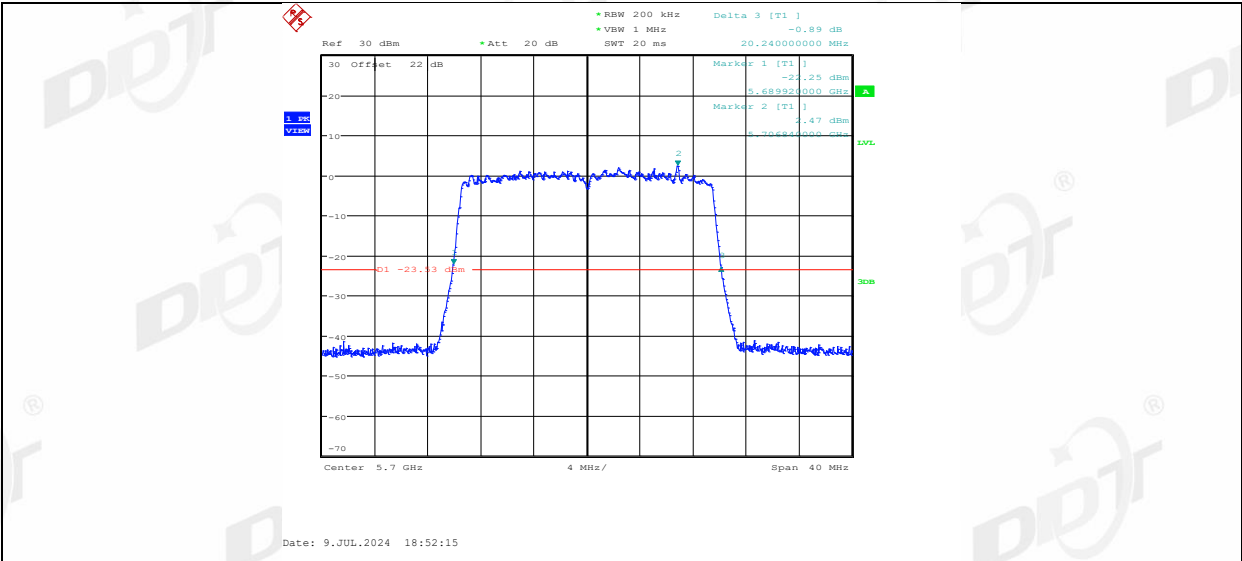
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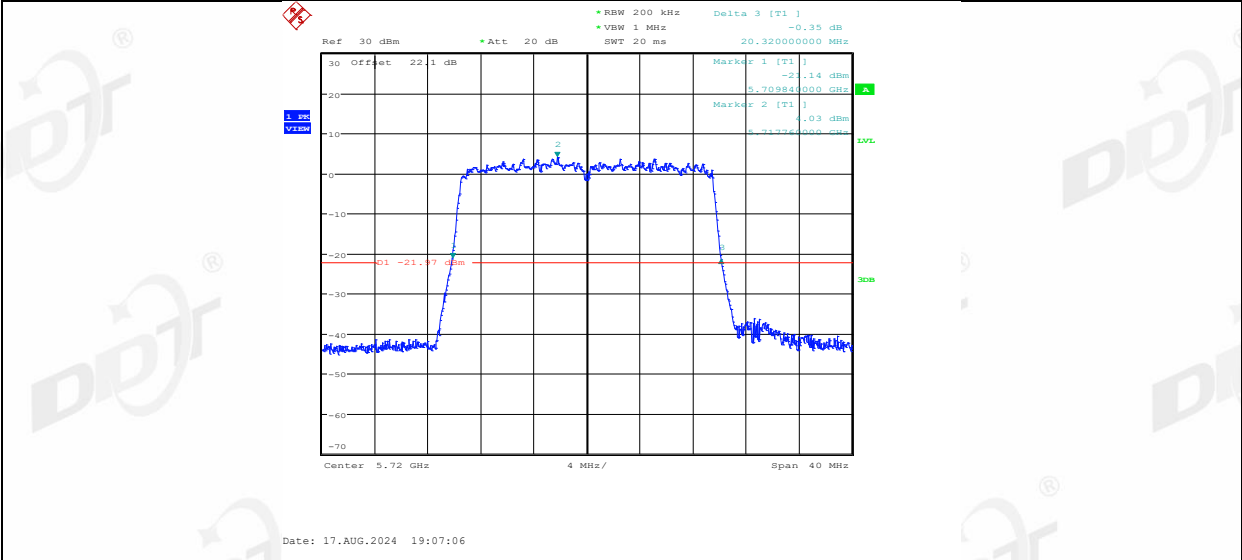
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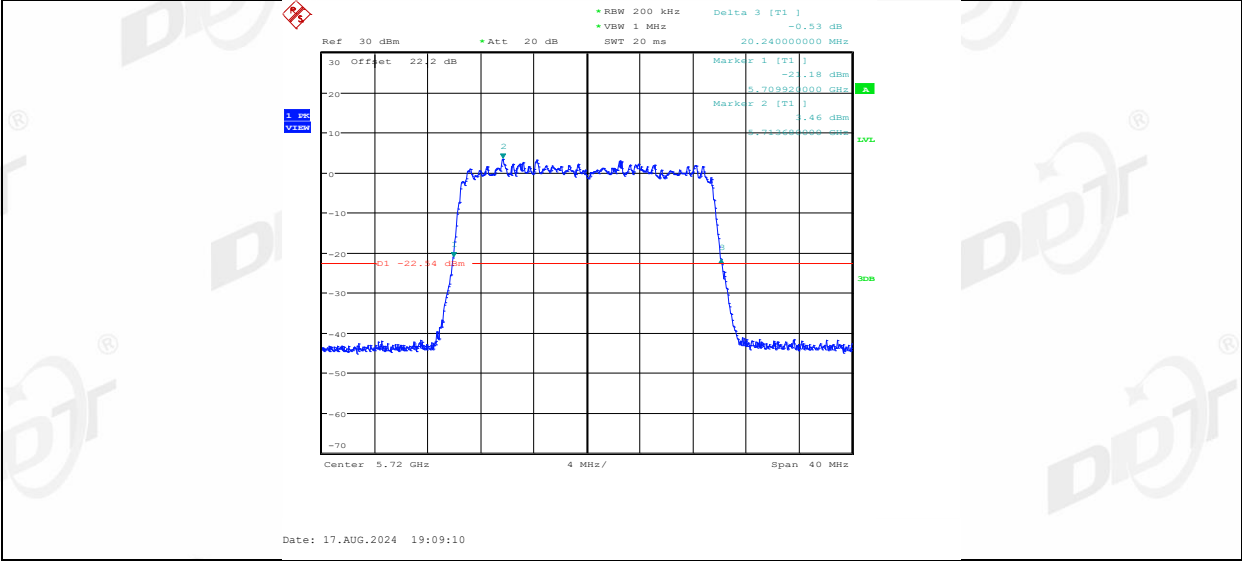
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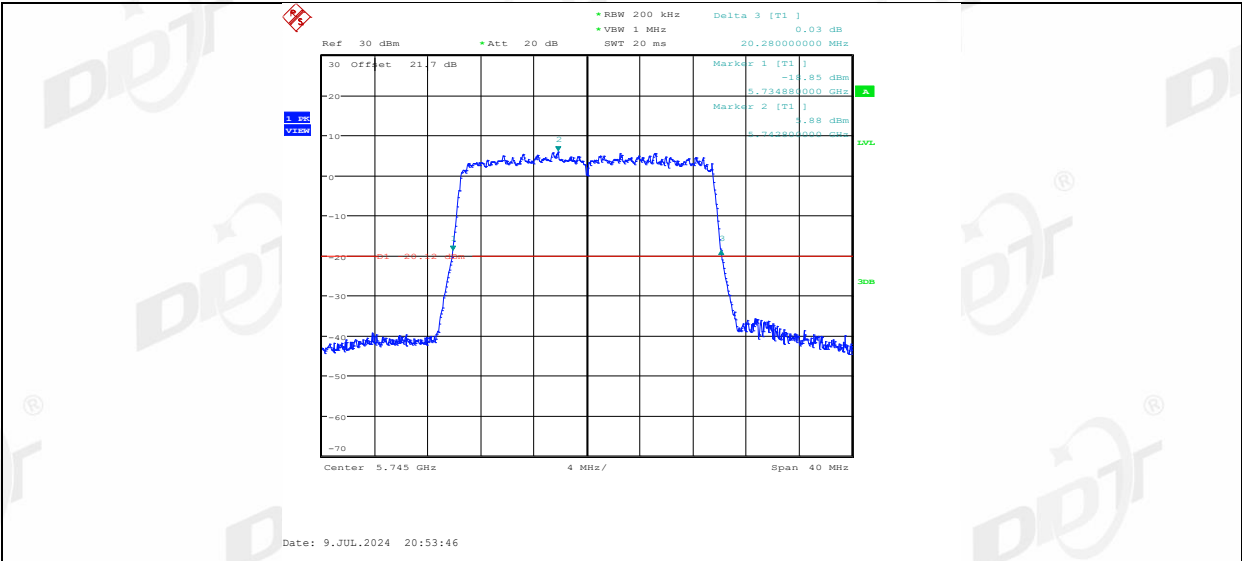
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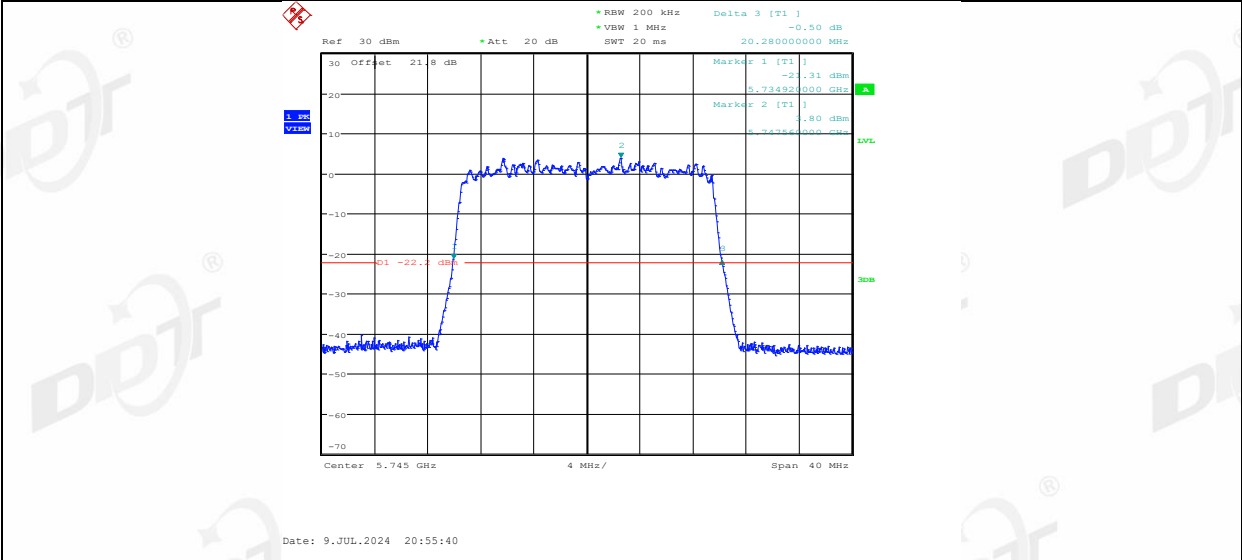
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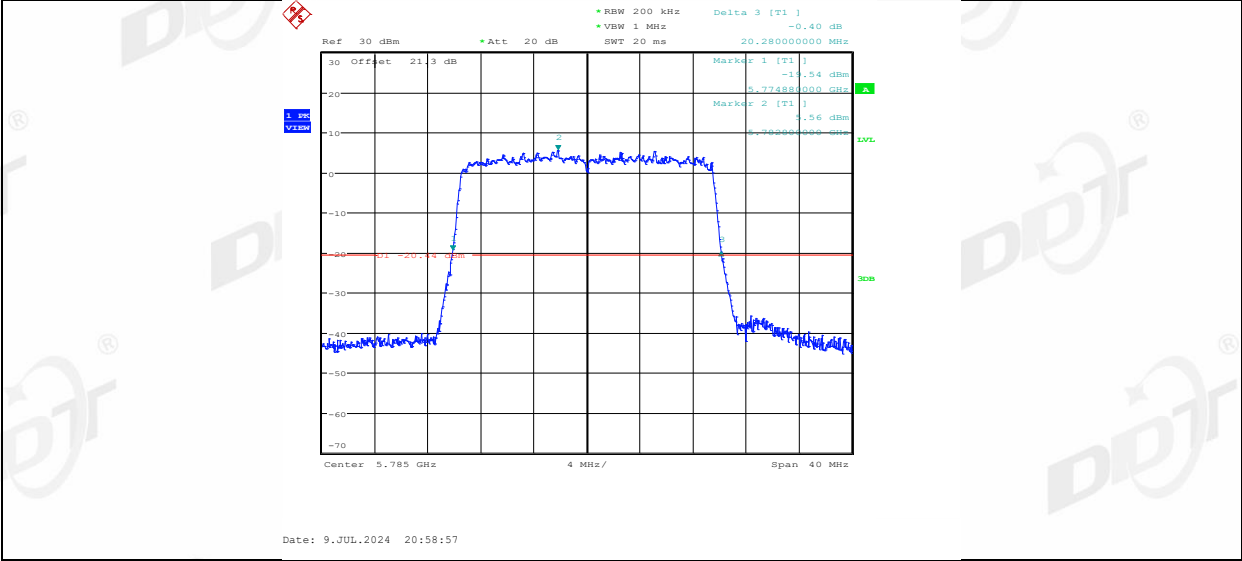
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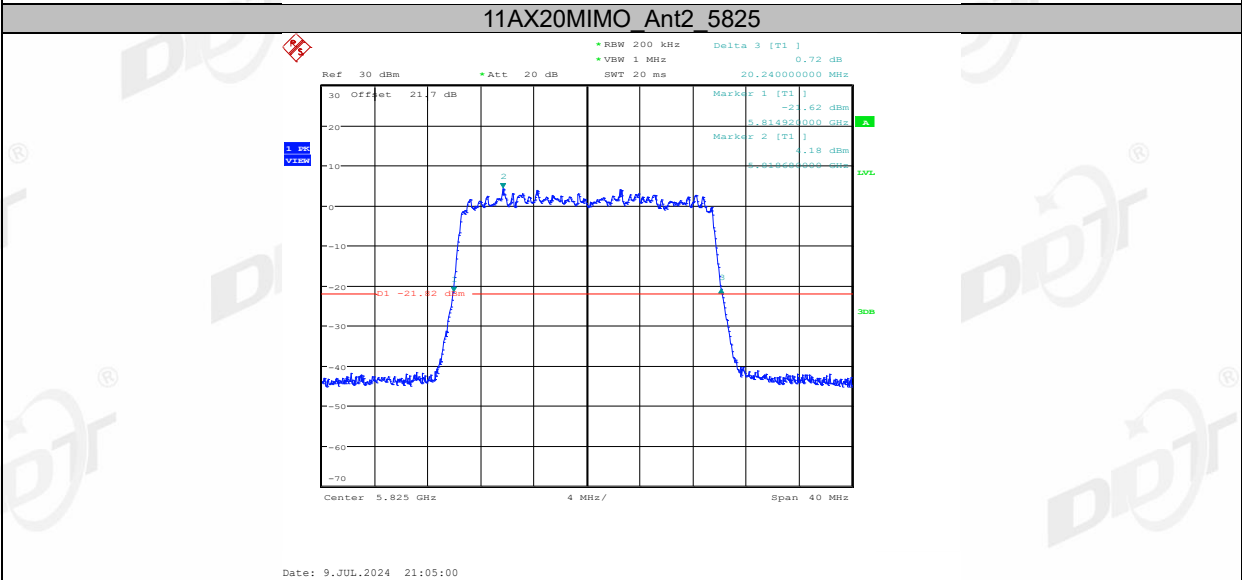
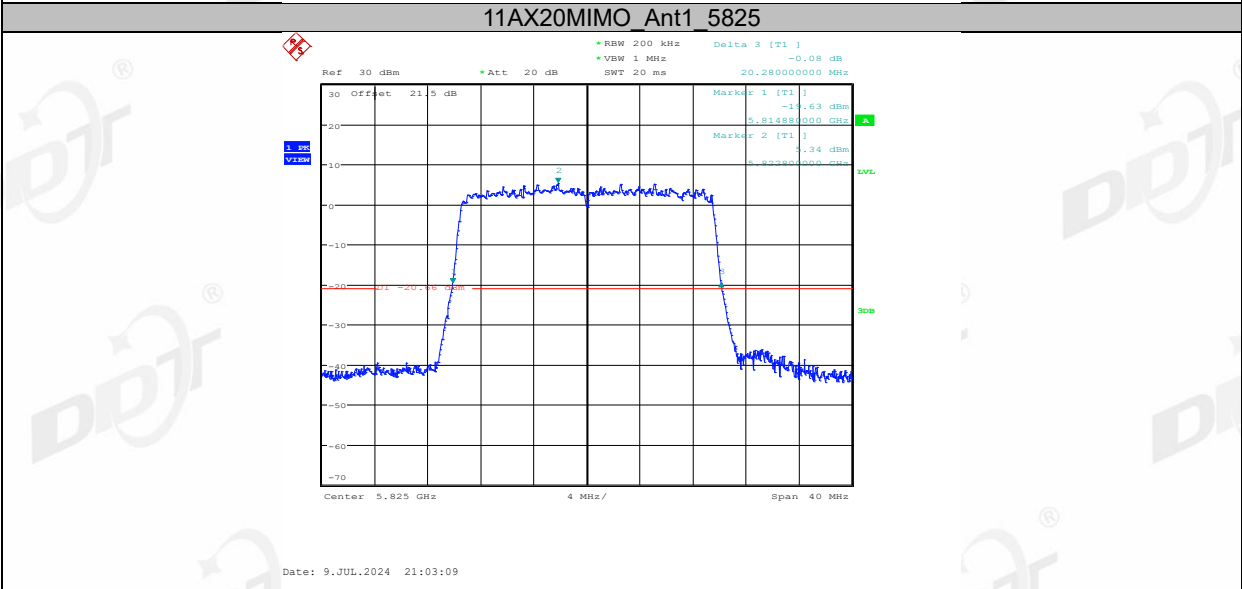
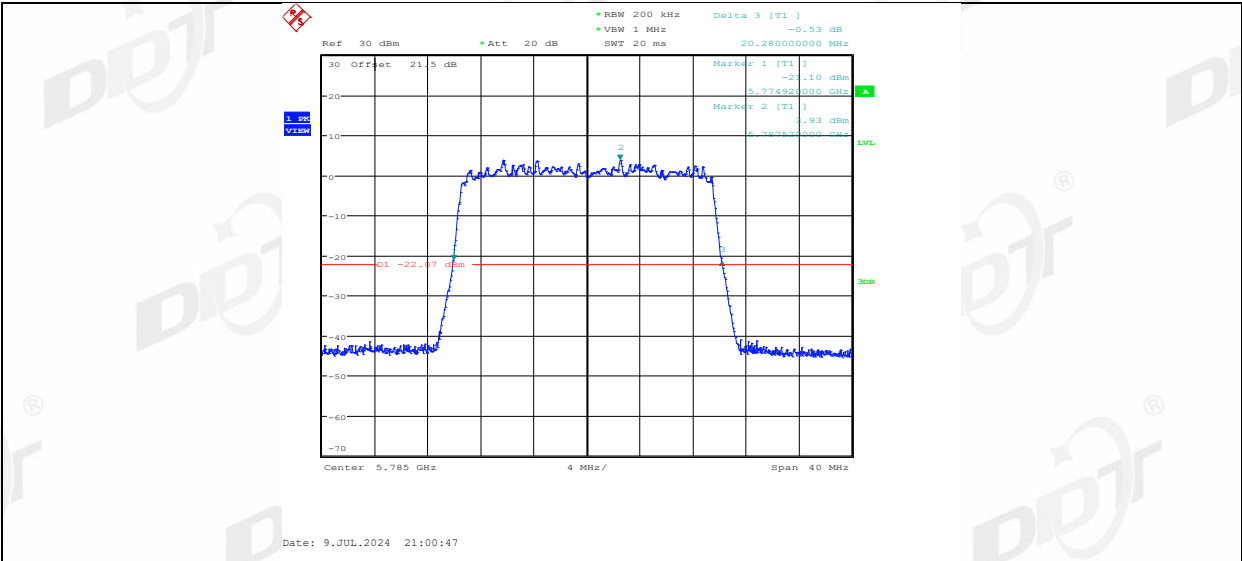
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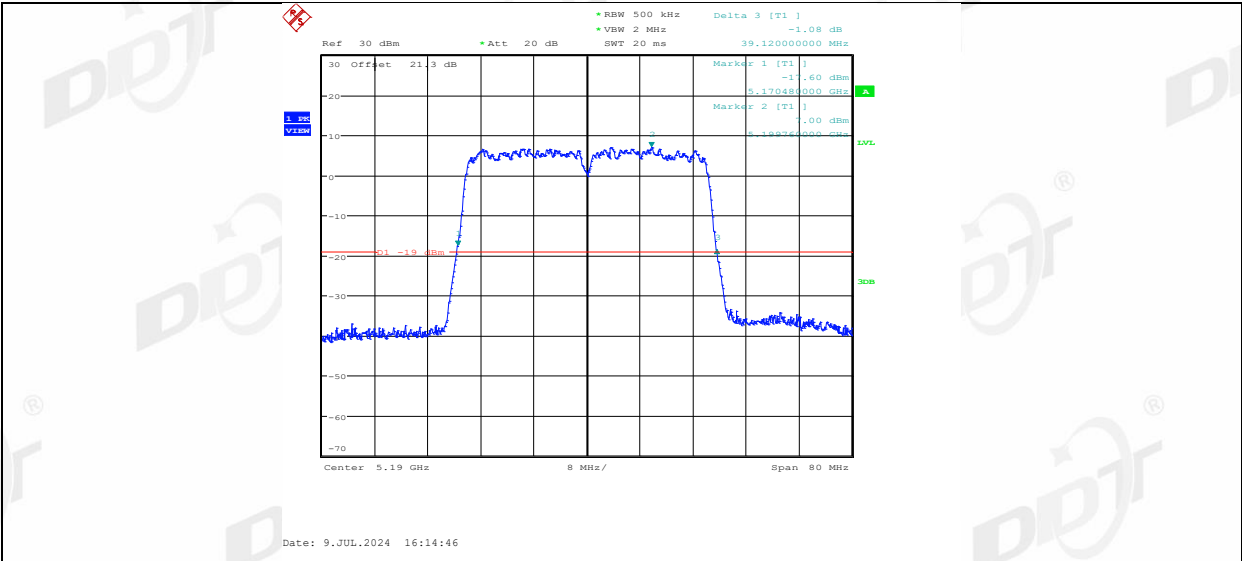


11AX20MIMO_Ant1_5785

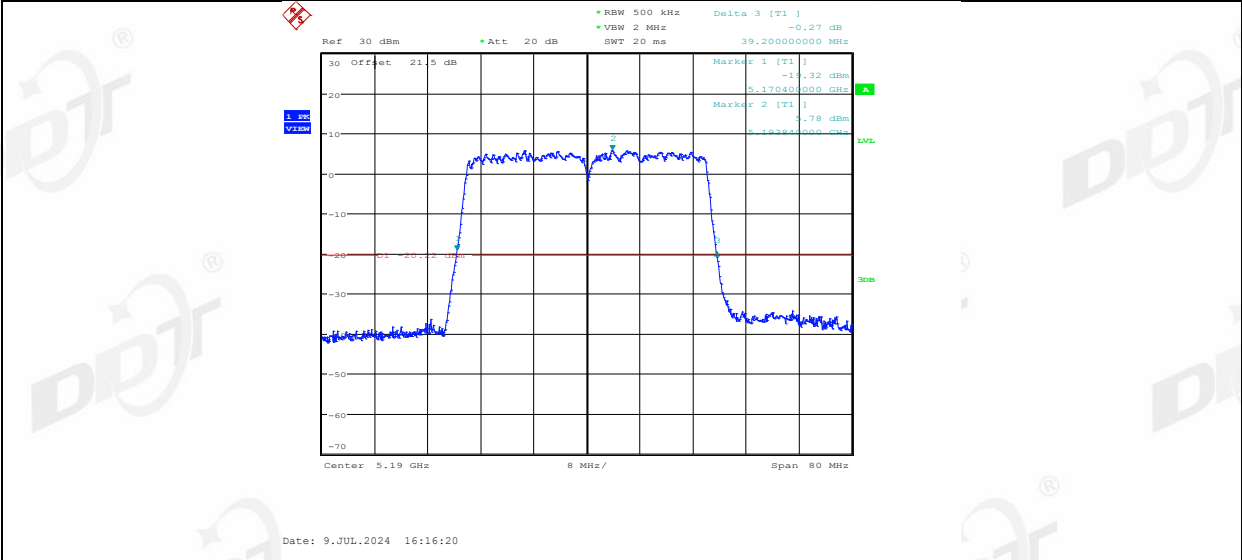


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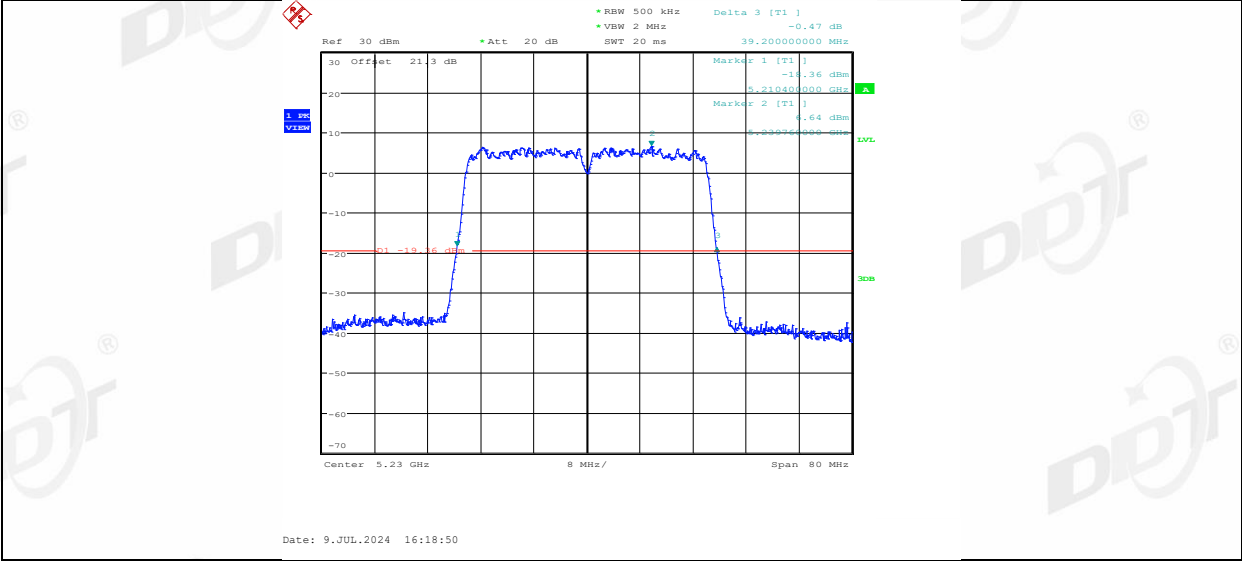




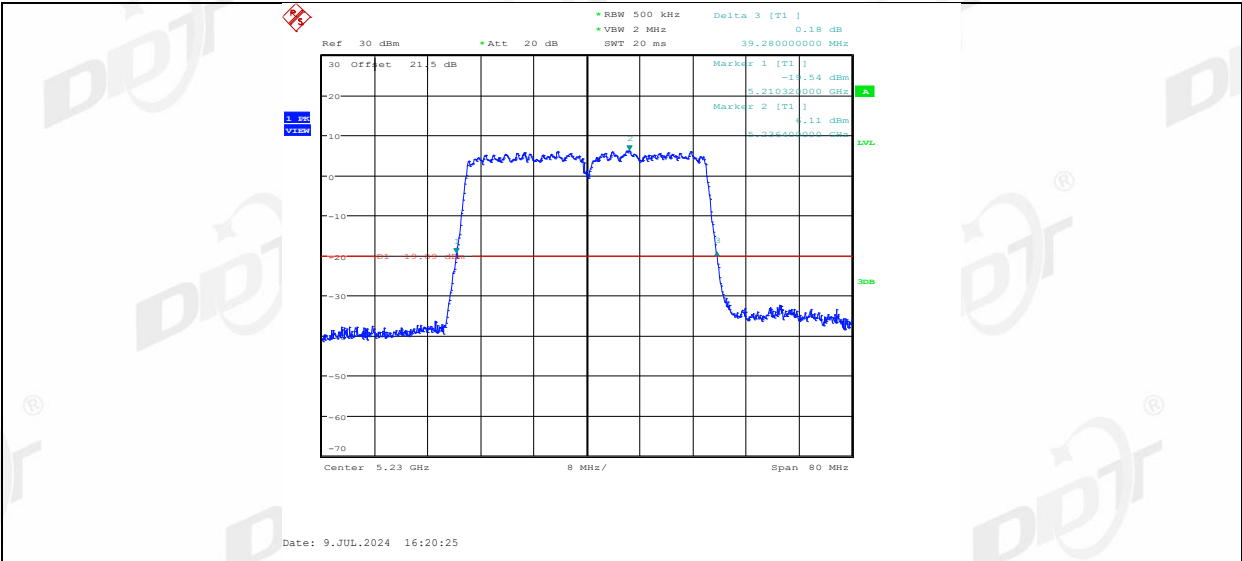
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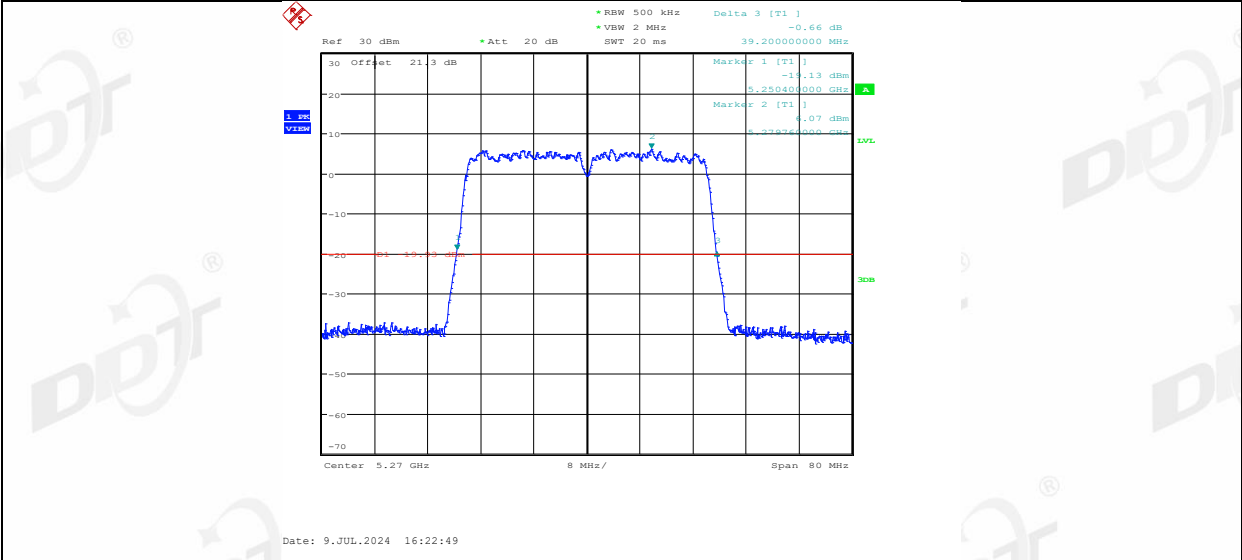
11AX40MIMO_Ant1_5230



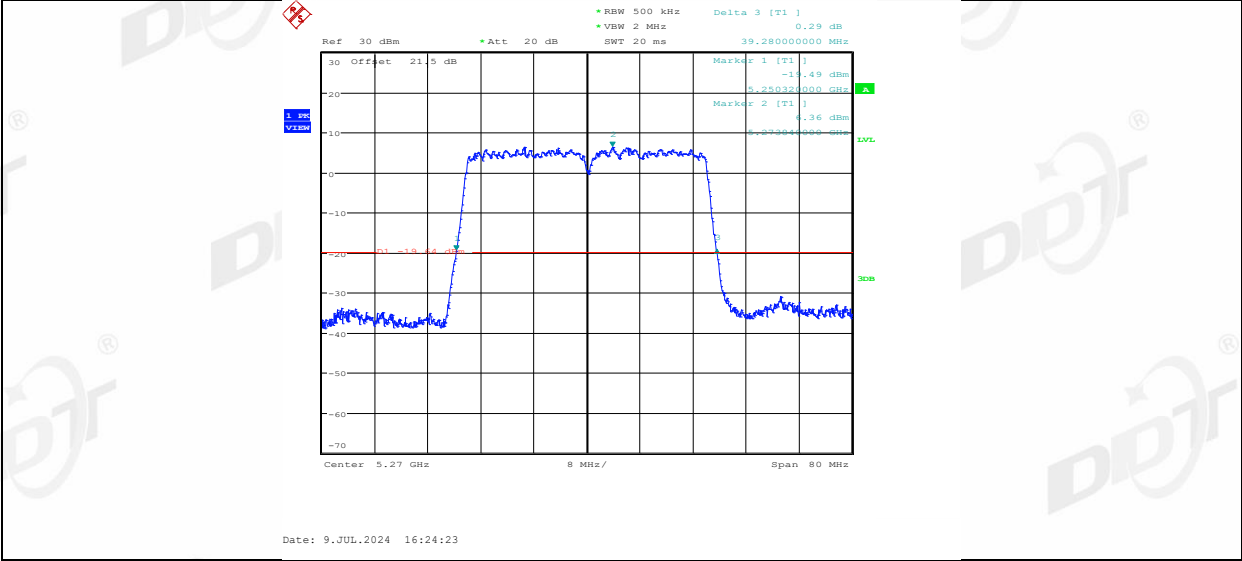
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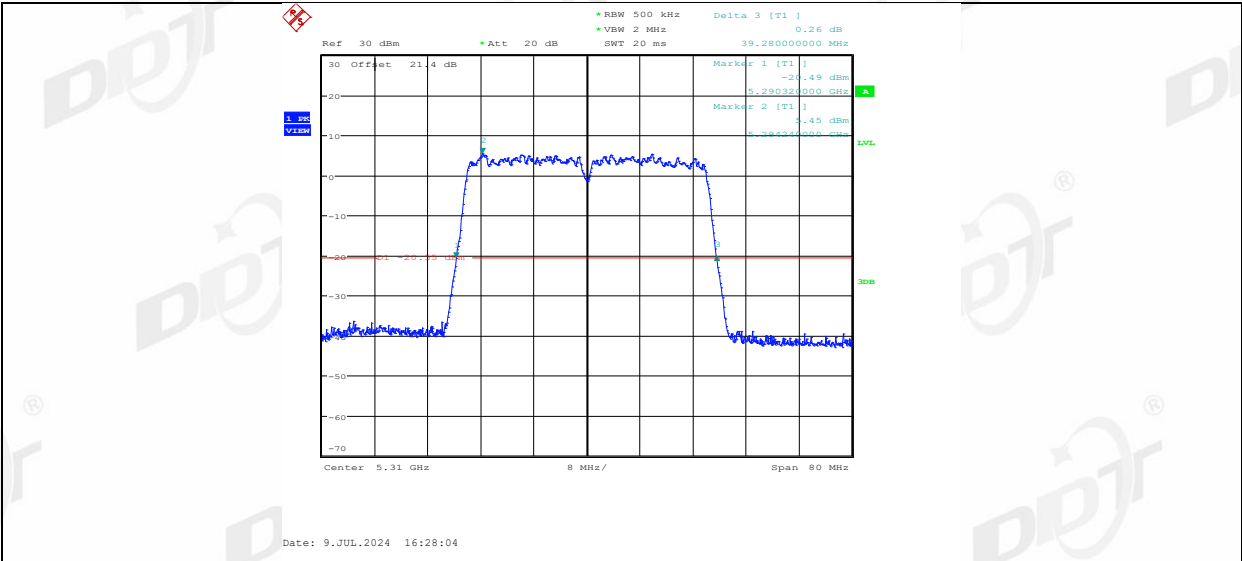
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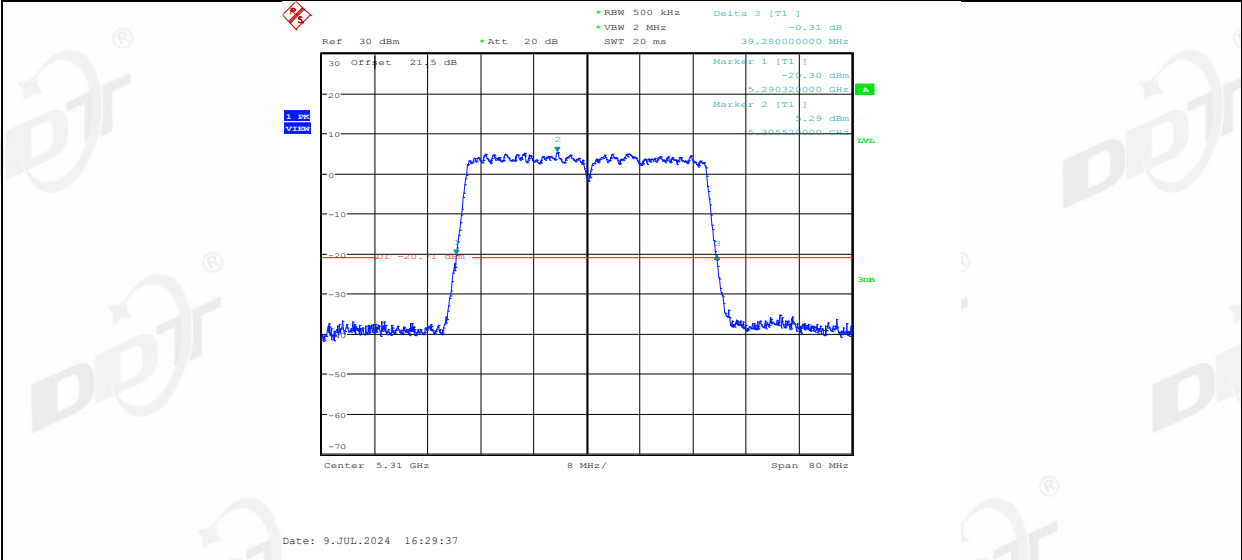
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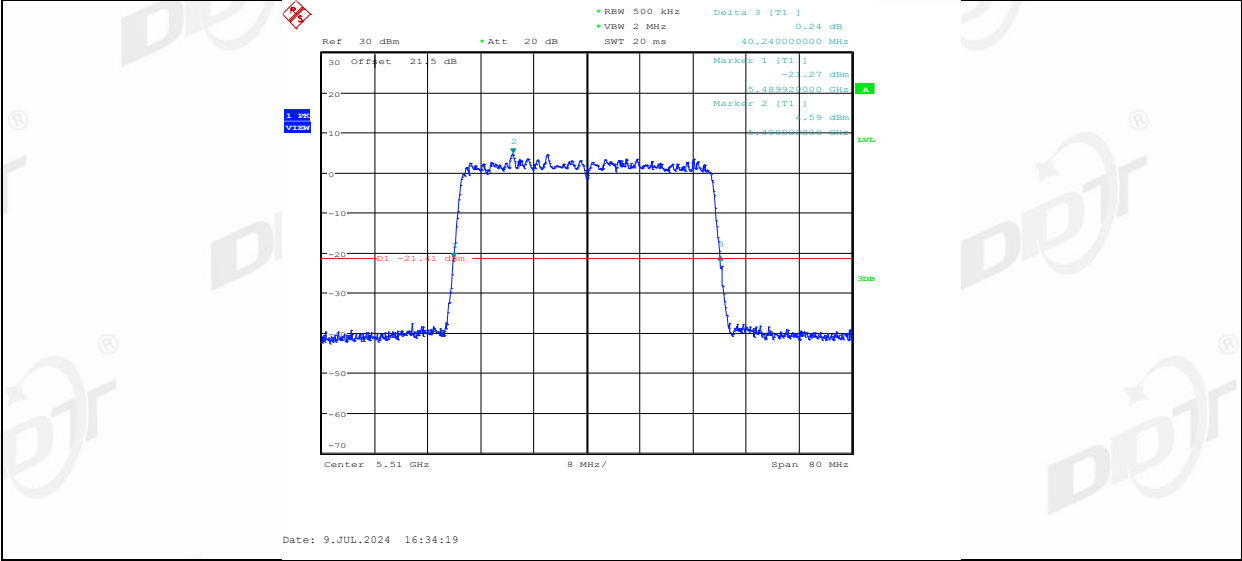
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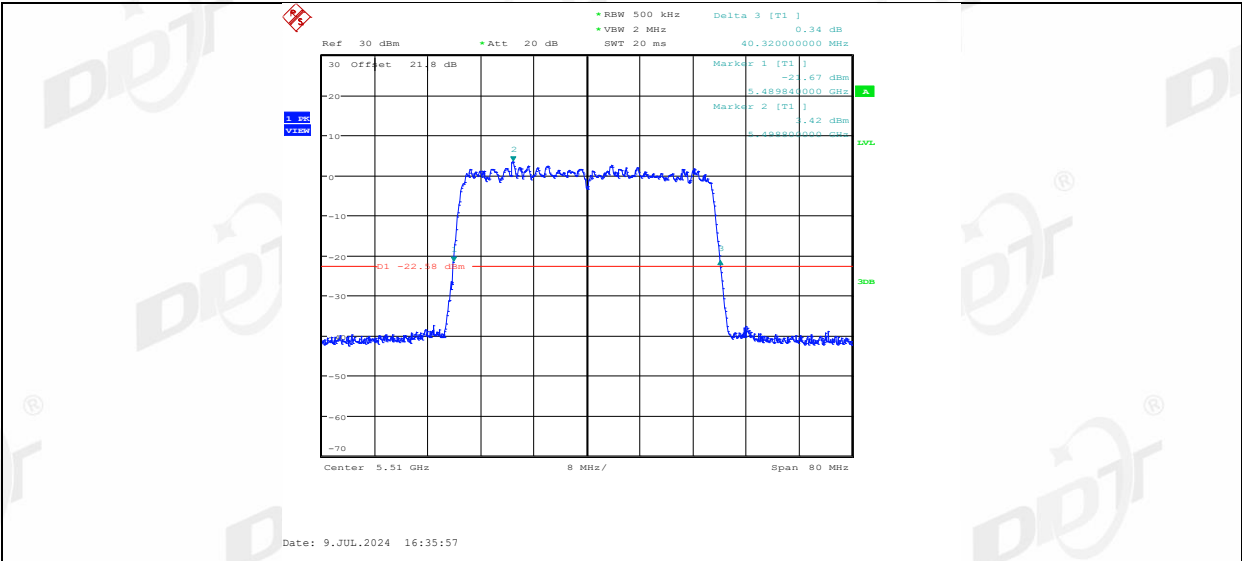
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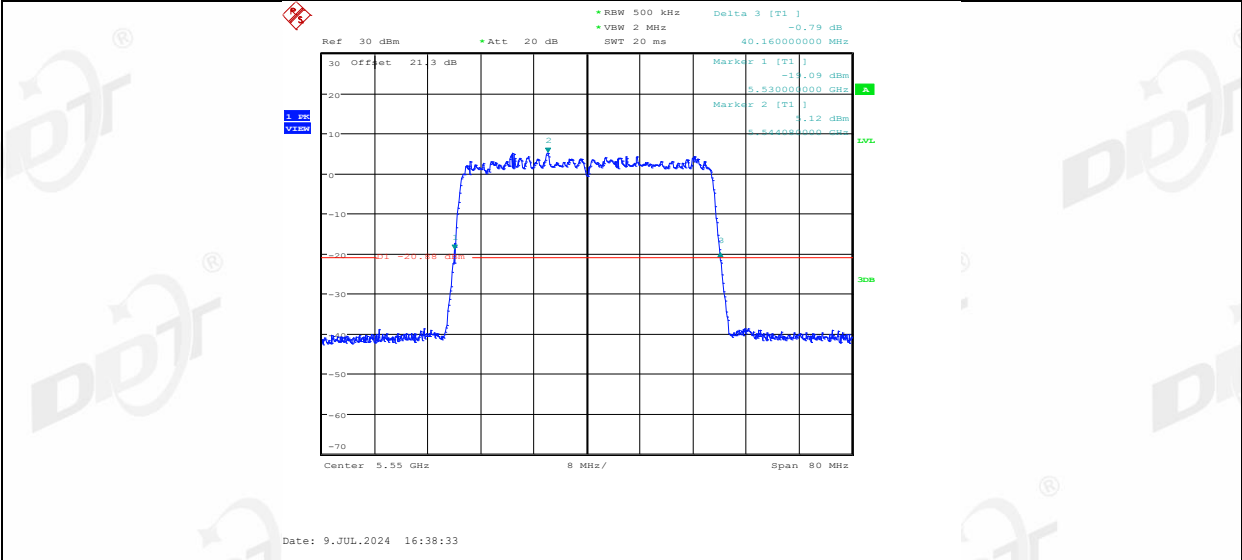
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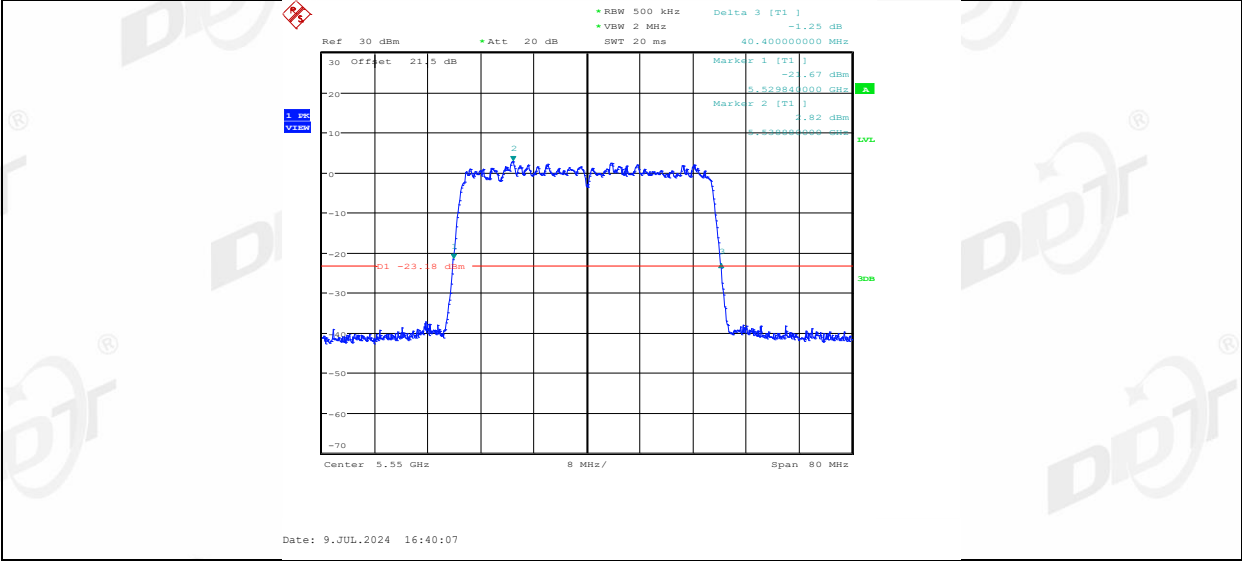
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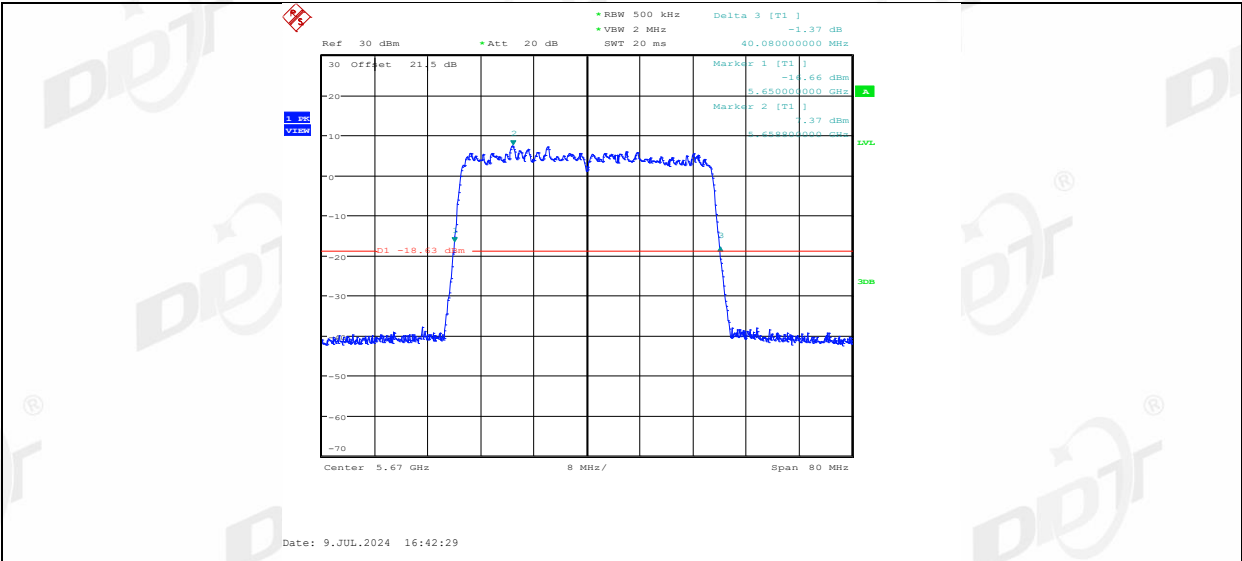
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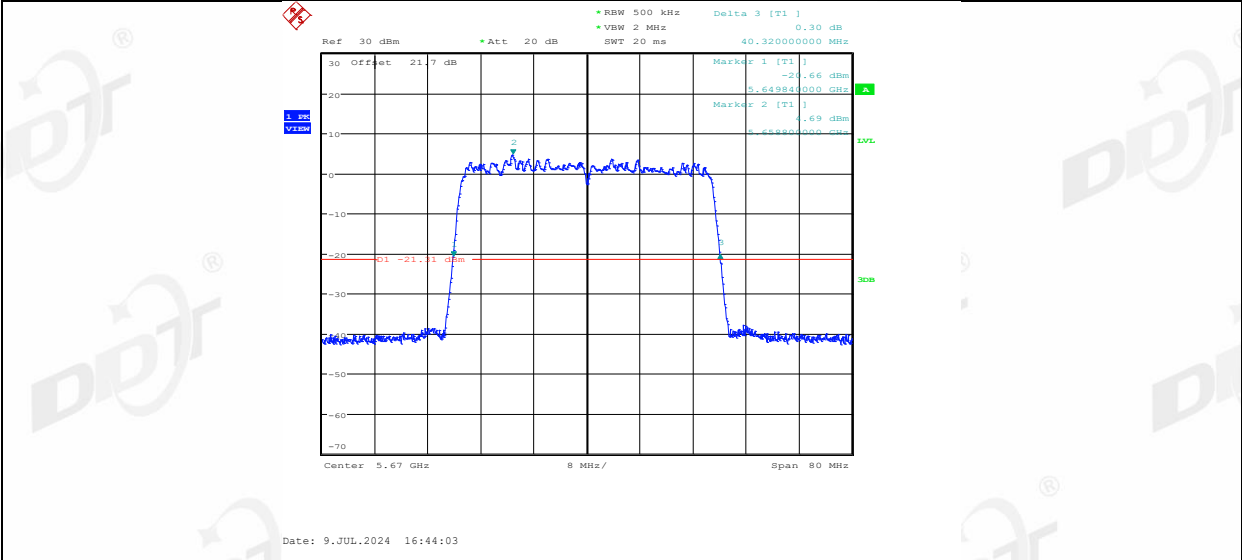
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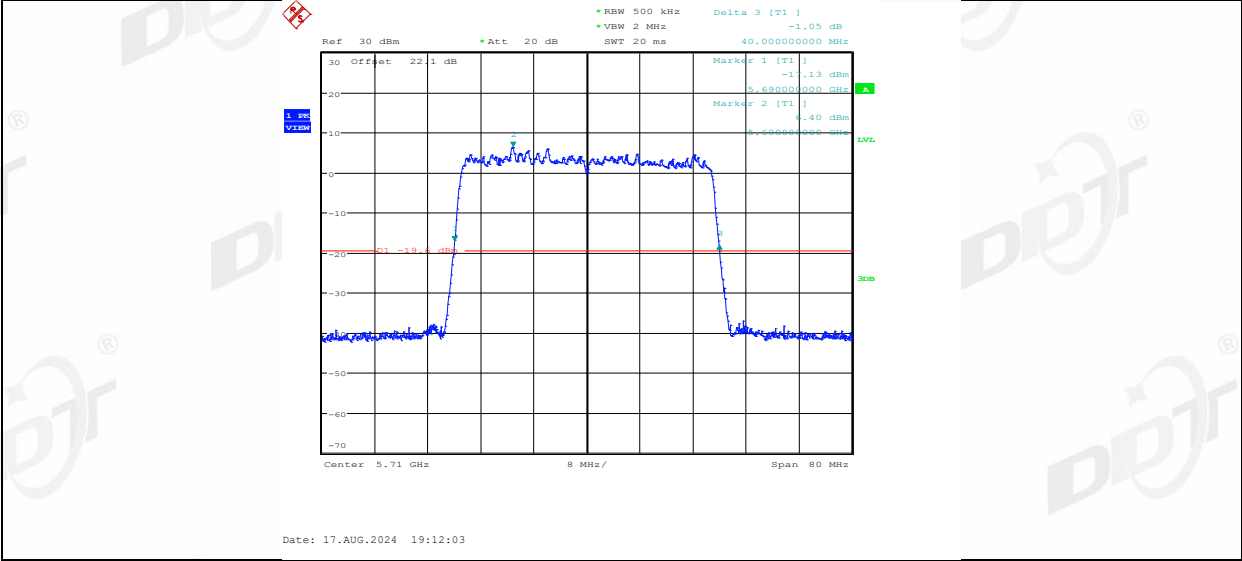
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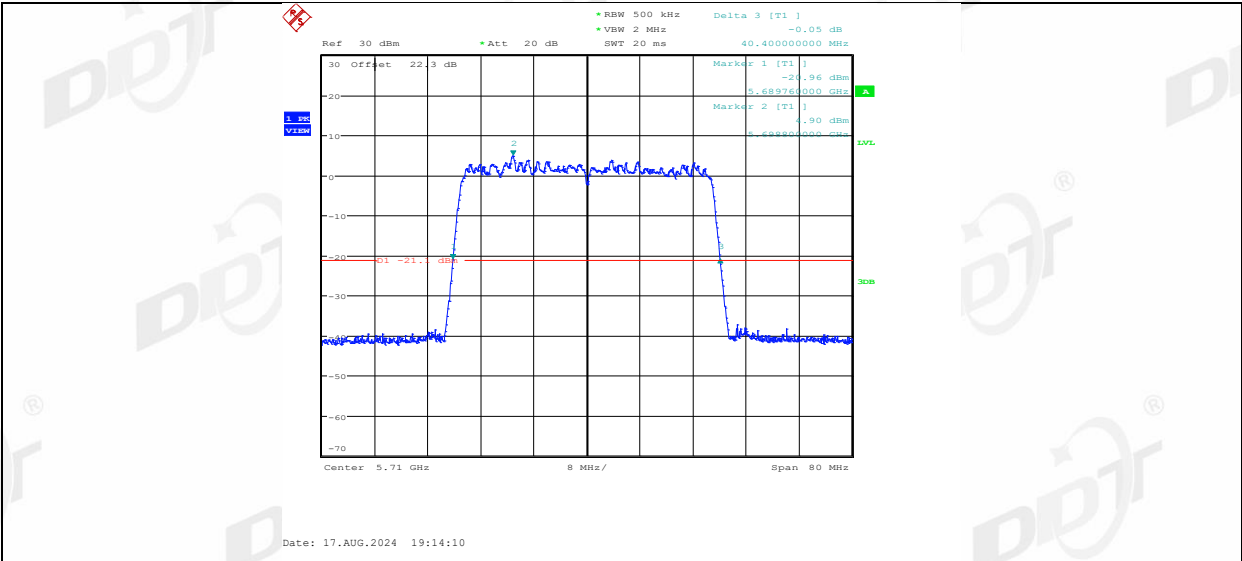
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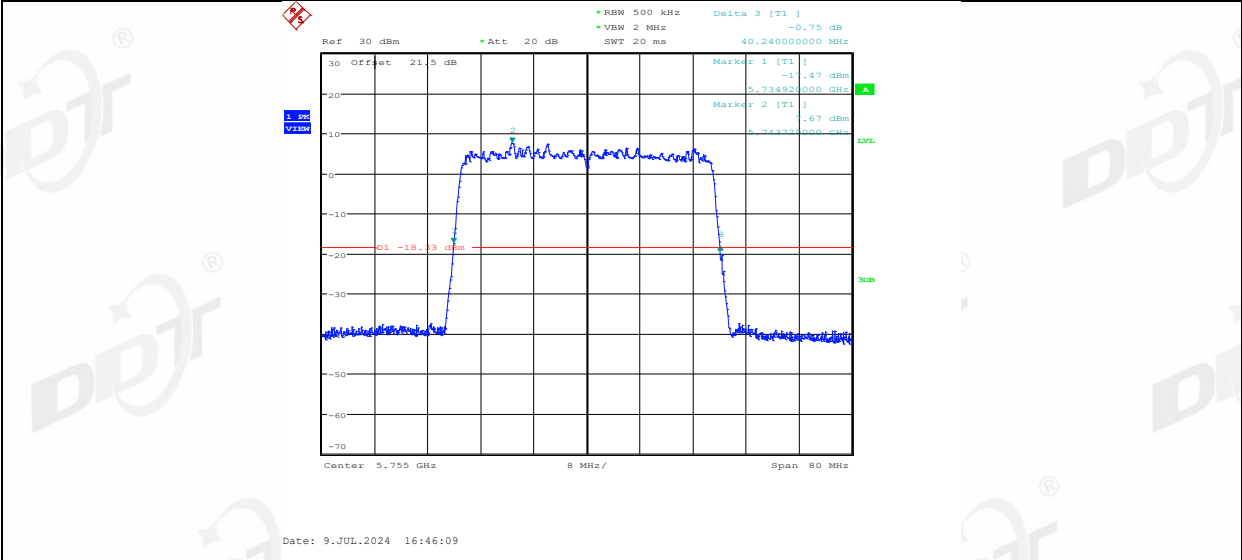
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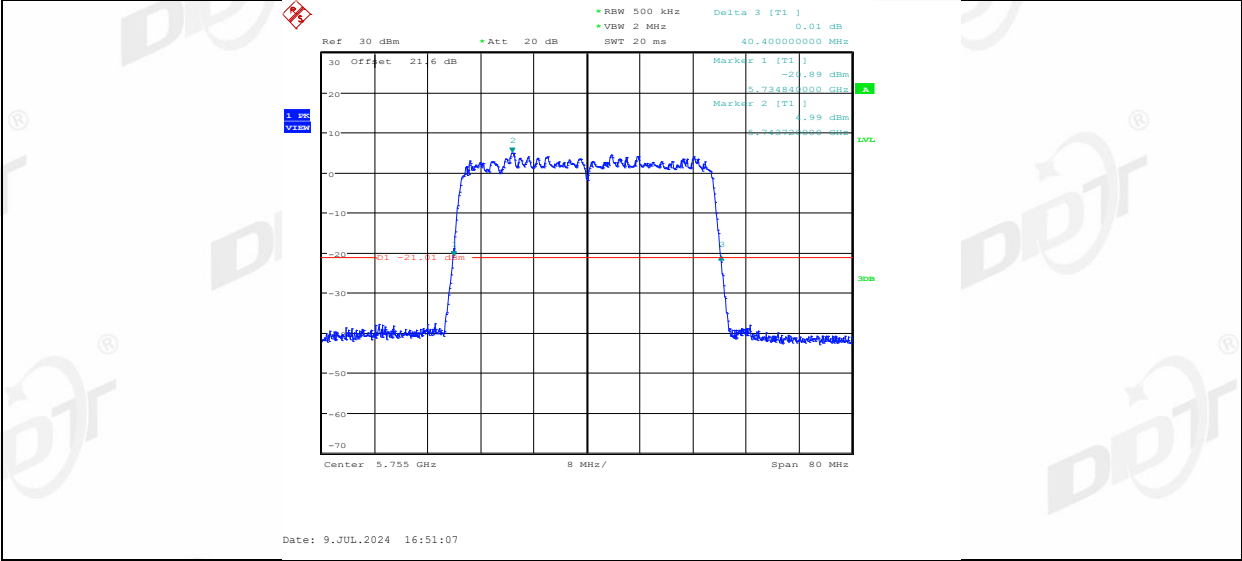
11AX40MIMO_Ant2_5710



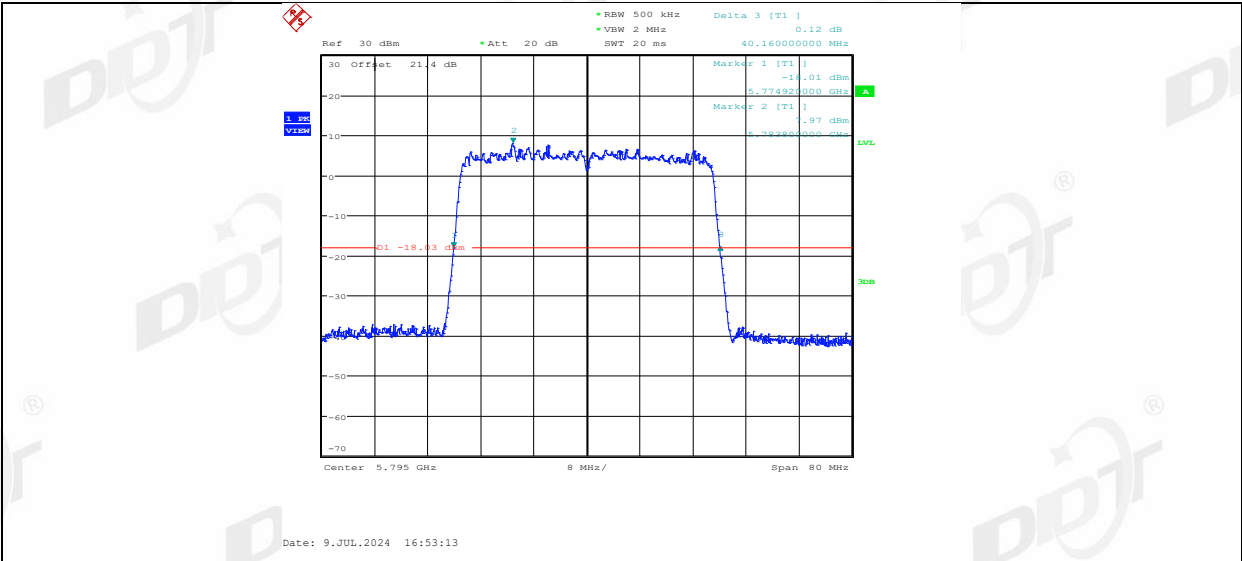
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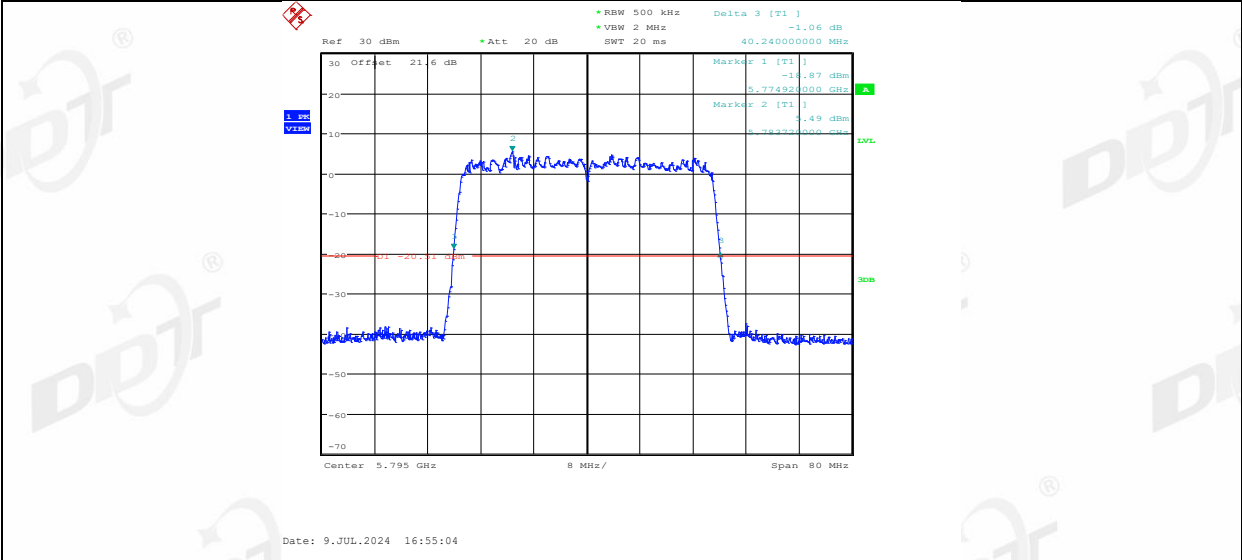
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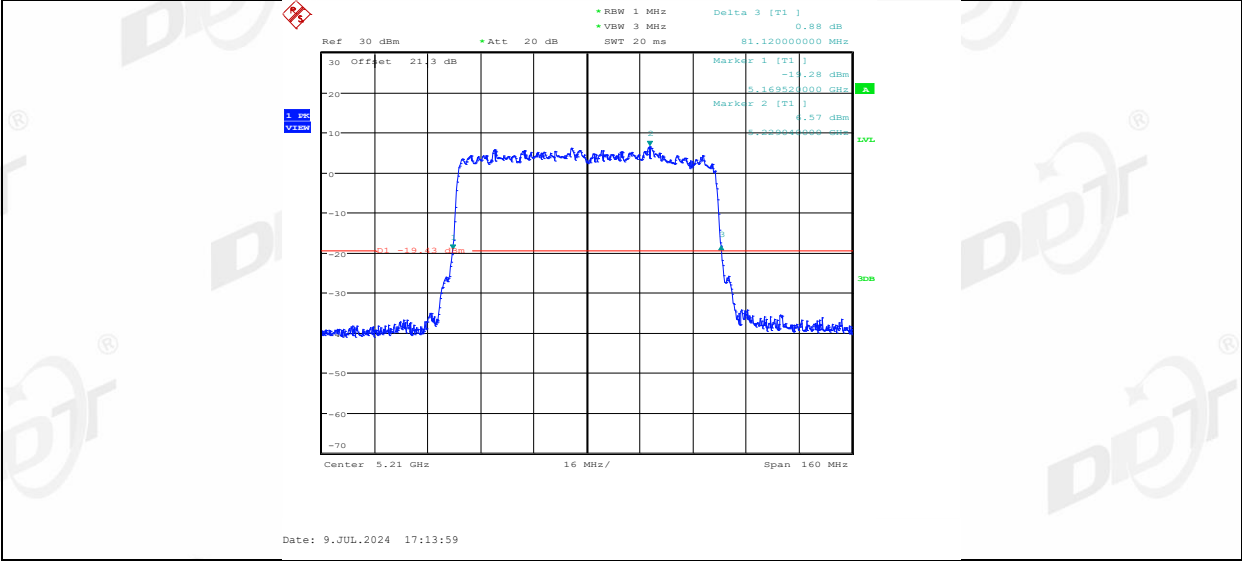
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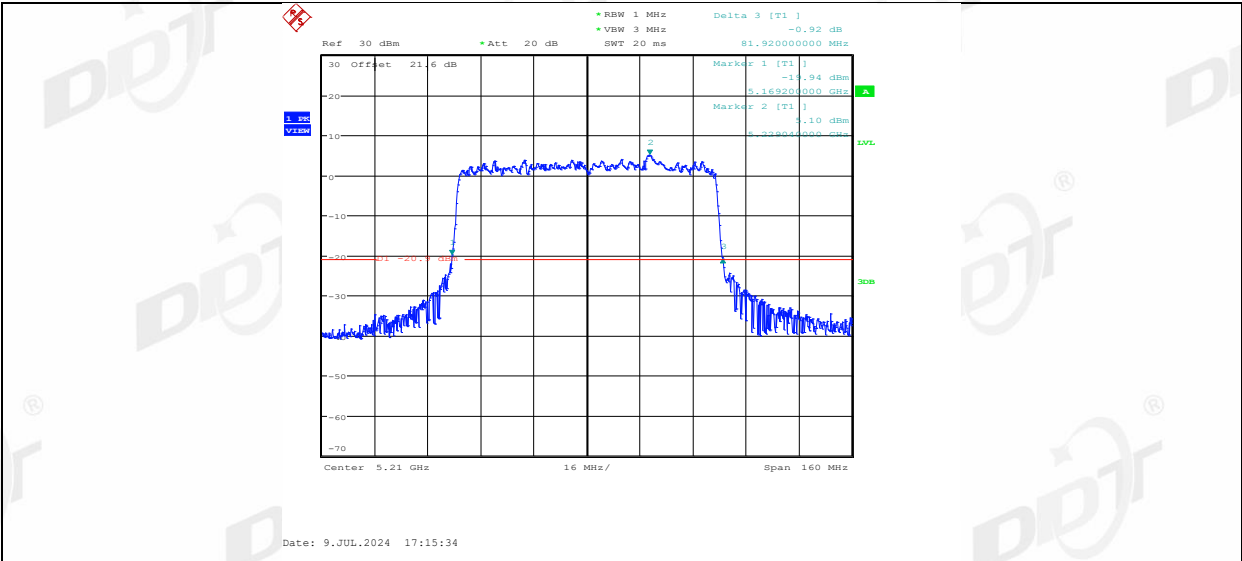
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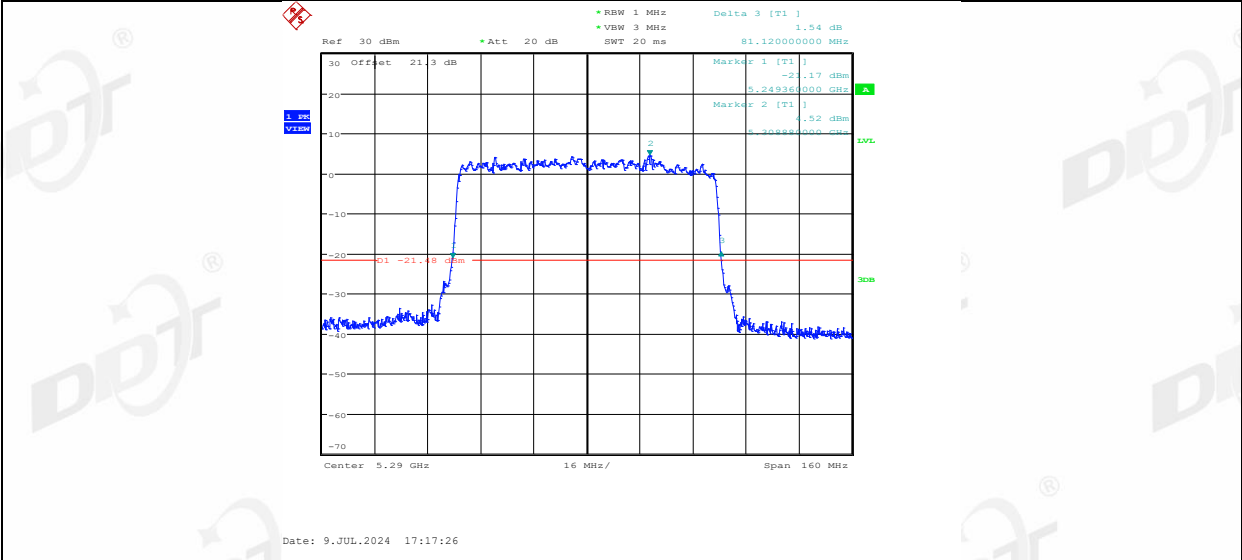
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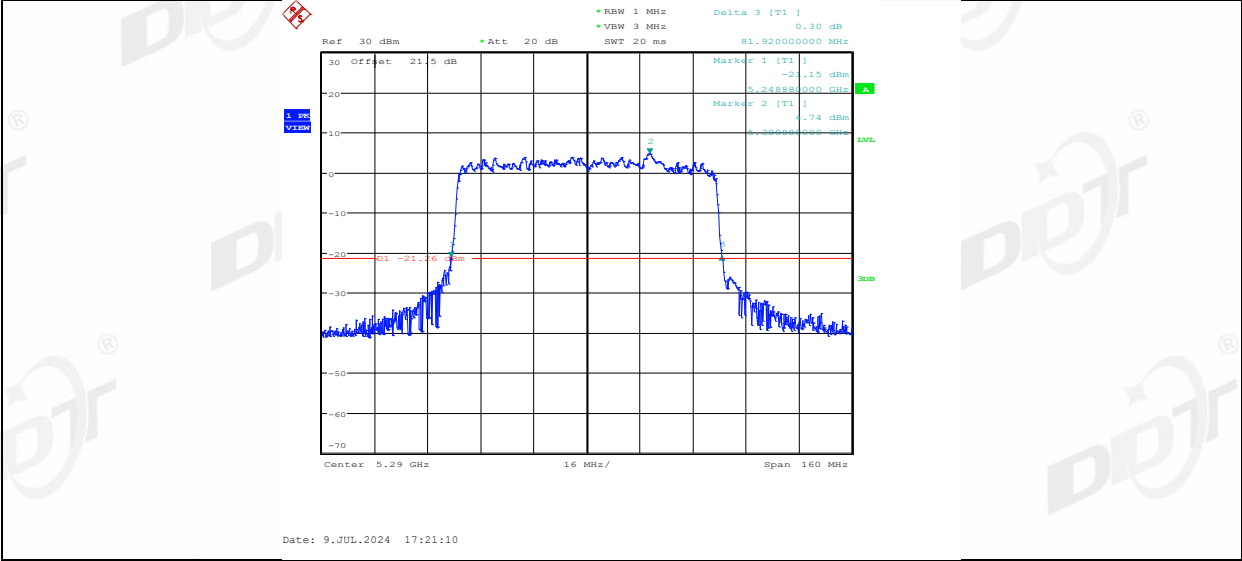
11AX80MIMO_Ant2_5210



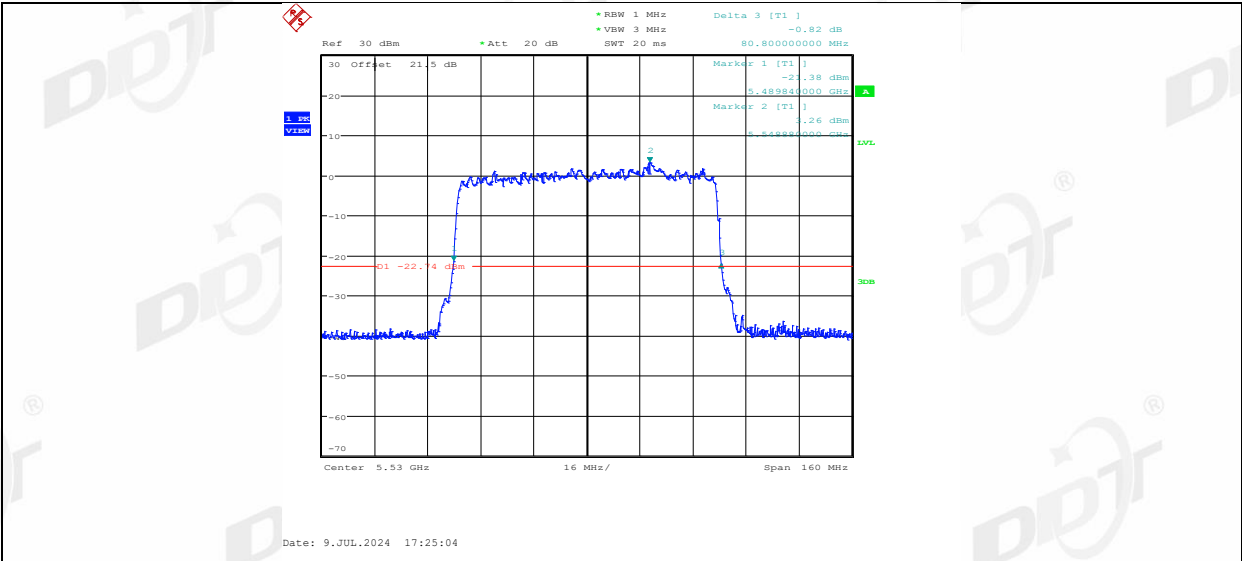
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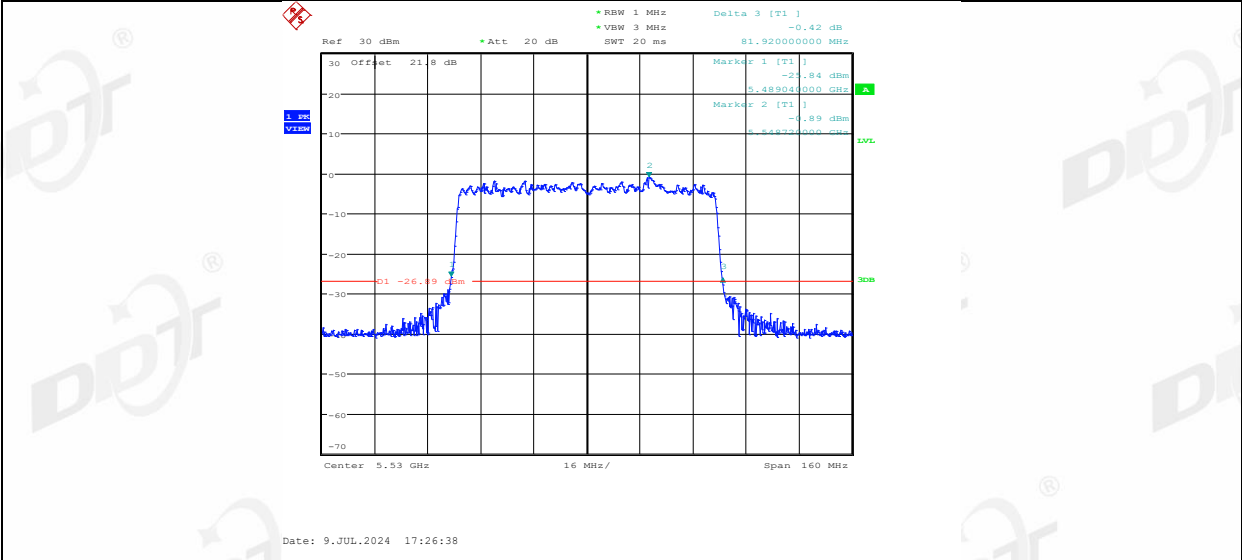
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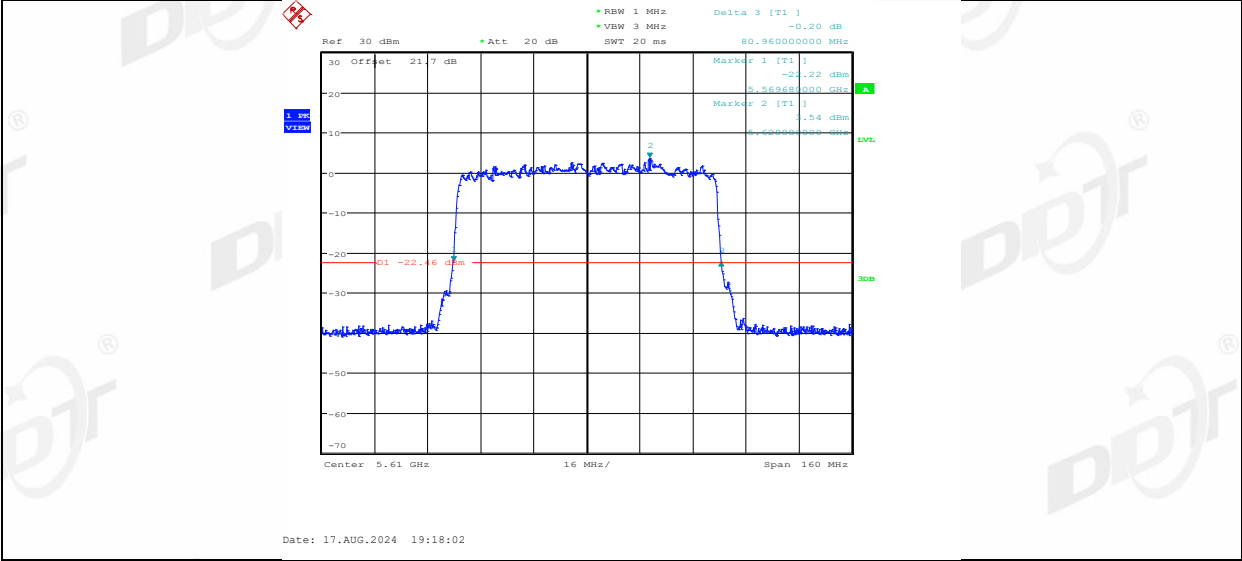
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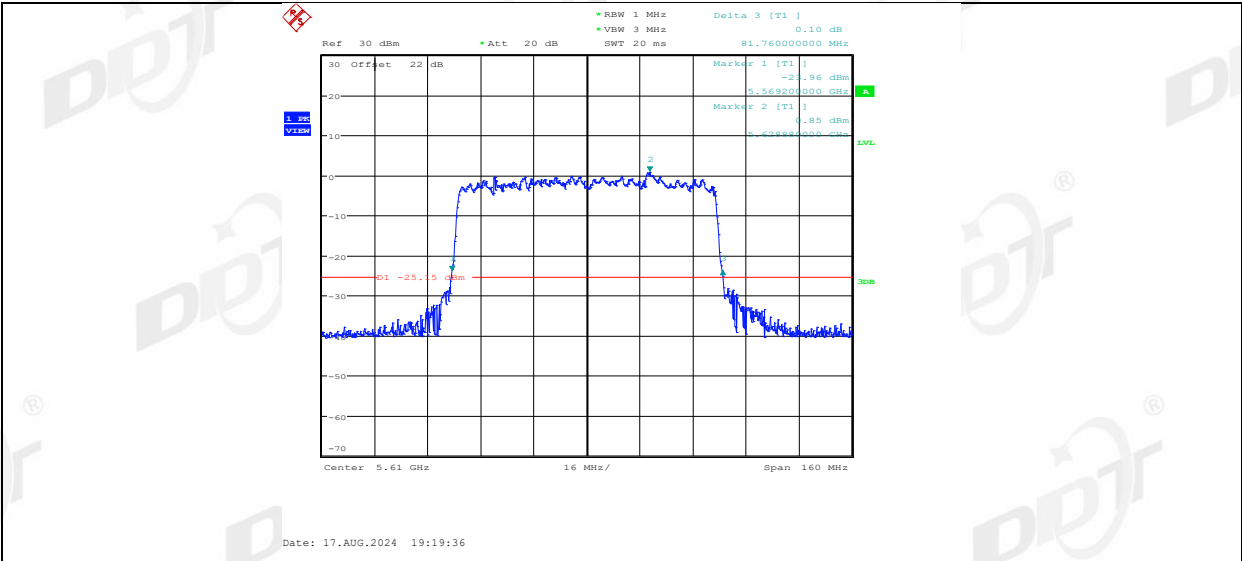
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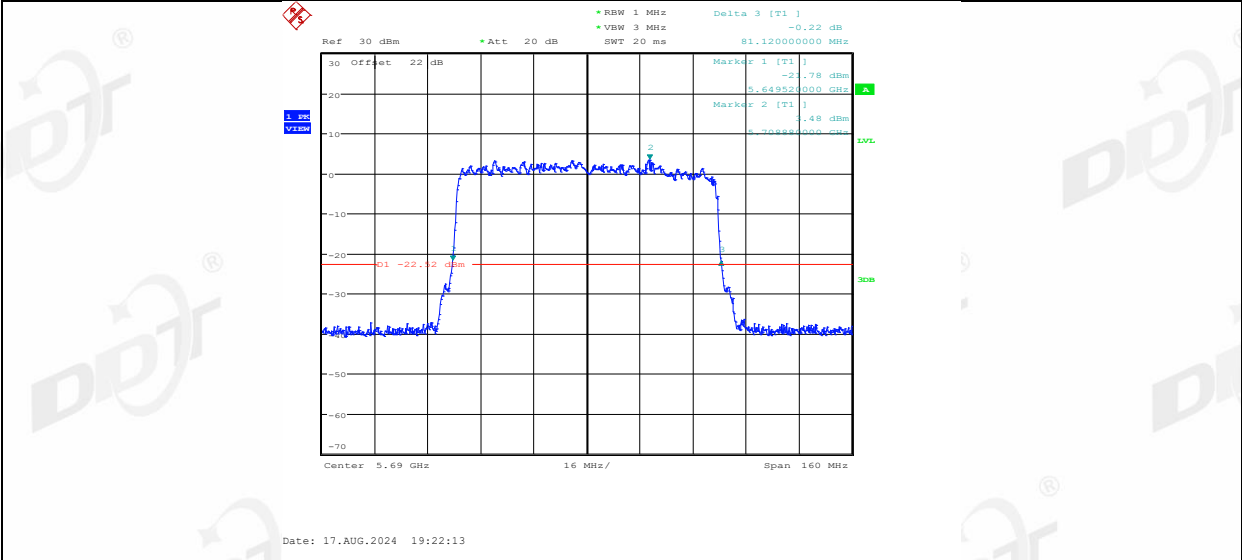
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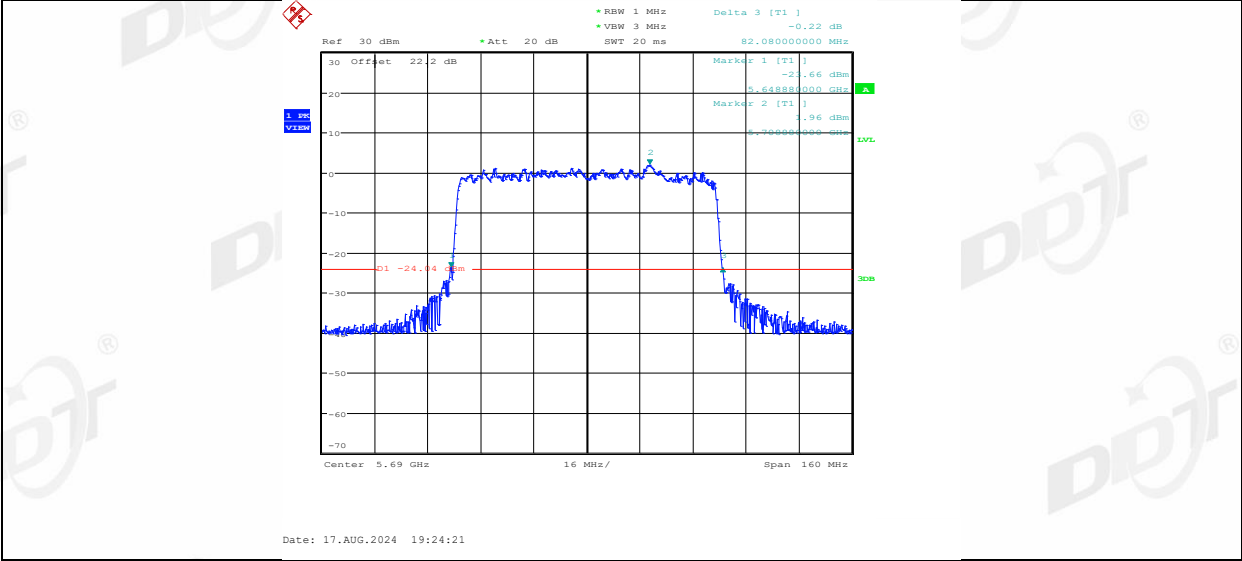
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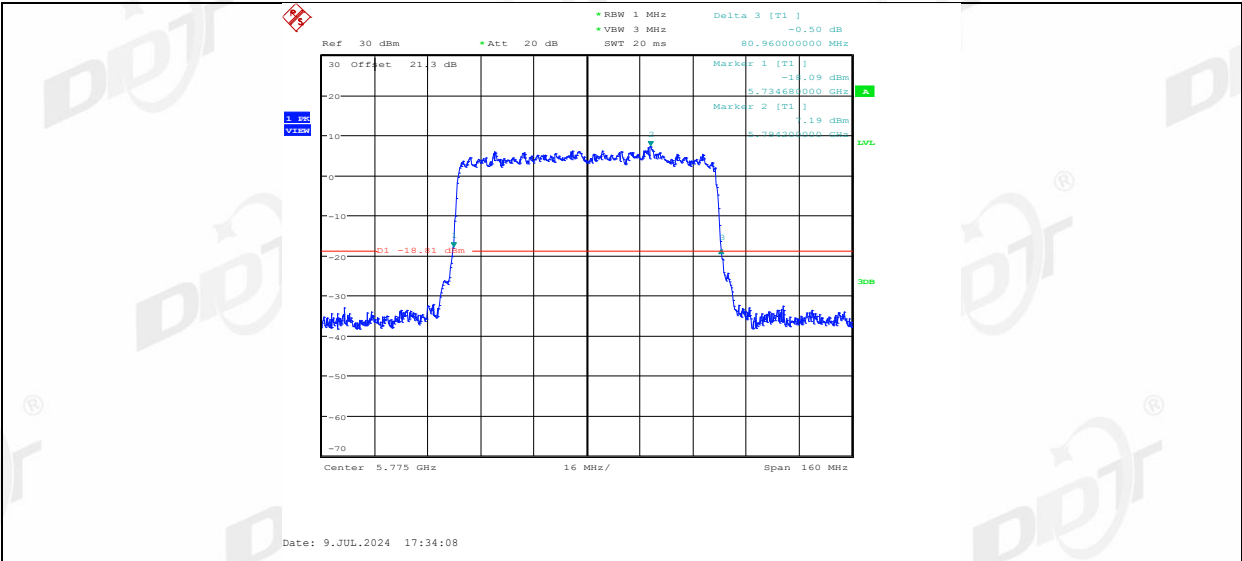
11AX80MIMO_Ant1_5690



11AX80MIMO_Ant2_5690



11AX80MIMO_Ant1_5775



11AX80MIMO_Ant2_5775

