



## FCC AND ISCED CERTIFICATION TEST REPORT

|                                |   |                                                                                                                                                                                                                                  |
|--------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applicant</b>               | : | Mercku Inc.                                                                                                                                                                                                                      |
| <b>Address of Applicant</b>    | : | 3600 Steeles Avenue East, Suite C108B, Markham, Ontario, L3R 9Z7, Canada                                                                                                                                                         |
| <b>Manufacturer</b>            | : | Mercku Technology (China), Inc.                                                                                                                                                                                                  |
| <b>Address of Manufacturer</b> | : | Block B1, Southern Software Park No.1 Software Road, Tangjia Zhuhai, Guangdong, China                                                                                                                                            |
| <b>Equipment under Test</b>    | : | Mercku M6s Nano Mesh Wi-Fi Router                                                                                                                                                                                                |
| <b>Model No.</b>               | : | MBAA0                                                                                                                                                                                                                            |
| <b>FCC ID</b>                  | : | 2APR4-M6SN                                                                                                                                                                                                                       |
| <b>IC</b>                      | : | 23877-M6SN                                                                                                                                                                                                                       |
| <b>Test Standard(s)</b>        | : | FCC Rules and Regulations Part 15 Subpart E, RSS-247 Issue 3 August 2023, ANSI C63.10:2013, 789033 D02 General U-NII Test Procedures New Rules v02r01, 662911 D01 Multiple Transmitter Output v02r01, RSS-Gen Issue 5 April 2018 |
| <b>Report No.</b>              | : | DDT-RE23111605-2E06                                                                                                                                                                                                              |
| <b>Issue Date</b>              | : | 2024/03/05                                                                                                                                                                                                                       |
| <b>Issue By</b>                | : | Guangdong Dongdian Testing Service Co., Ltd.<br>Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808                                                                              |

# REPORT

## Table of Contents

|      |                                                   |     |
|------|---------------------------------------------------|-----|
| 1.   | Summary of Test Results .....                     | 7   |
| 2.   | General Test Information .....                    | 8   |
| 2.1. | Description of EUT .....                          | 8   |
| 2.2. | Accessories of EUT .....                          | 10  |
| 2.3. | Block diagram of EUT configuration for test ..... | 10  |
| 2.4. | Decision of final test mode .....                 | 10  |
| 2.5. | Deviations of test standard .....                 | 13  |
| 2.6. | Test environment conditions .....                 | 13  |
| 2.7. | Test laboratory .....                             | 13  |
| 2.8. | Measurement uncertainty .....                     | 14  |
| 3.   | Equipment Used During Conductive Test .....       | 15  |
| 4.   | 26dB Bandwidth .....                              | 16  |
| 4.1. | Block diagram of test setup .....                 | 16  |
| 4.2. | Limits .....                                      | 16  |
| 4.3. | Test procedure .....                              | 16  |
| 4.4. | Test result .....                                 | 17  |
| 4.5. | Test graphs .....                                 | 21  |
| 5.   | 6dB Bandwidth .....                               | 87  |
| 5.1. | Block diagram of test setup .....                 | 87  |
| 5.2. | Limits .....                                      | 87  |
| 5.3. | Test procedure .....                              | 87  |
| 5.4. | Test result B4 .....                              | 88  |
| 5.5. | Test graphs B4 .....                              | 89  |
| 6.   | 99% Bandwidth .....                               | 103 |
| 6.1. | Block diagram of test setup .....                 | 103 |
| 6.2. | Limits .....                                      | 103 |
| 6.3. | Test procedure .....                              | 103 |
| 6.4. | Test result .....                                 | 104 |
| 6.5. | Test graphs .....                                 | 108 |
| 7.   | Duty Cycle .....                                  | 174 |
| 7.1. | Block diagram of test setup .....                 | 174 |
| 7.2. | Limit .....                                       | 174 |
| 7.3. | Test procedure .....                              | 174 |
| 7.4. | Test result .....                                 | 175 |
| 7.5. | Test graphs .....                                 | 179 |
| 8.   | Maximum Output Power .....                        | 245 |

|       |                                         |     |
|-------|-----------------------------------------|-----|
| 8.1.  | Block diagram of test setup .....       | 245 |
| 8.2.  | Limits .....                            | 245 |
| 8.3.  | Test procedure .....                    | 245 |
| 8.4.  | Test result channel power .....         | 245 |
| 9.    | Power Spectral Density .....            | 253 |
| 9.1.  | Block diagram of test setup .....       | 253 |
| 9.2.  | Limits .....                            | 253 |
| 9.3.  | Test procedure .....                    | 253 |
| 9.4.  | Test result .....                       | 255 |
| 9.5.  | Test graphs .....                       | 261 |
| 10.   | Frequency Stability Measurement .....   | 334 |
| 10.1. | Limit of Frequency Stability .....      | 334 |
| 10.2. | Measuring Instruments .....             | 334 |
| 10.3. | Test procedures .....                   | 334 |
| 10.4. | Test setup .....                        | 334 |
| 10.5. | Test result .....                       | 335 |
| 11.   | Radiated Emission .....                 | 372 |
| 11.1. | Test equipment .....                    | 372 |
| 11.2. | Block diagram of test setup .....       | 373 |
| 11.3. | Limits .....                            | 373 |
| 11.4. | Assistant equipment used for test ..... | 375 |
| 11.5. | Test procedure .....                    | 375 |
| 11.6. | Test result .....                       | 377 |
| 11.7. | Test data .....                         | 378 |
| 12.   | Band Edge Compliance .....              | 400 |
| 12.1. | Test equipment .....                    | 400 |
| 12.2. | Block diagram of test setup .....       | 401 |
| 12.3. | Limits .....                            | 401 |
| 12.4. | Assistant equipment used for test ..... | 401 |
| 12.5. | Test procedure .....                    | 401 |
| 12.6. | Test result .....                       | 402 |
| 12.7. | Test data .....                         | 403 |
| 13.   | Power Line Conducted Emissions .....    | 557 |
| 13.1. | Test equipment .....                    | 557 |
| 13.2. | Block diagram of test setup .....       | 557 |
| 13.3. | Limits .....                            | 557 |
| 13.4. | Assistant equipment used for test ..... | 557 |
| 13.5. | Test procedure .....                    | 557 |

13.6. Test result .....558

13.7. Test data .....559

14. Test Setup Photograph ..... 561

15. Photos of the EUT .....563

## Test Report Declare

|                                |   |                                                                                      |
|--------------------------------|---|--------------------------------------------------------------------------------------|
| <b>Applicant</b>               | : | Mercku Inc.                                                                          |
| <b>Address of Applicant</b>    | : | 3600 Steeles Avenue East, Suite C108B, Markham, Ontario, L3R 9Z7, Canada             |
| <b>Equipment under Test</b>    | : | Mercku M6s Nano Mesh Wi-Fi Router                                                    |
| <b>Model No.</b>               | : | MBAA0                                                                                |
| <b>Manufacturer</b>            | : | Mercku Technology (China), Inc.                                                      |
| <b>Address of Manufacturer</b> | : | Block B1,Southern Software Park No.1 Software Road, Tangjia Zhuhai, Guangdong, China |

**Test Standard Used:**

FCC Rules and Regulations Part 15 Subpart E,  
RSS-247 Issue 3 August 2023,  
ANSI C63.10:2013,  
789033 D02 General U-NII Test Procedures New Rules v02r01,  
662911 D01 Multiple Transmitter Output v02r01,  
RSS-Gen Issue 5 April 2018

**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.

|                         |                     |                      |                       |
|-------------------------|---------------------|----------------------|-----------------------|
| <b>Report No.:</b>      | DDT-RE23111605-2E06 |                      |                       |
| <b>Date of Receipt:</b> | 2023/11/20          | <b>Date of Test:</b> | 2023/11/20~2024/03/05 |

**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 | 2024/03/05 |            |
|      |               |            |            |

## 1. Summary of Test Results

| No. | Test Parameter                     | Clause No.                                                                     | Condition | Result |
|-----|------------------------------------|--------------------------------------------------------------------------------|-----------|--------|
| 1   | 6/26db Bandwidth and 99% Bandwidth | FCC 15.407 (e), RSS-247 Clause 6.2                                             | /         | Pass   |
| 2   | Output Power                       | FCC 15.407 (a); RSS-247 Clause 6.2                                             | /         | Pass   |
| 3   | Power Spectral Density             | FCC 15.407 (a); RSS-247 Clause 6.2                                             | /         | Pass   |
| 4   | Frequency Stability Measurement    | FCC 15.407 (g); RSS-247 Clause 6.2; RSS-GEN Clause 8.9                         | /         | Pass   |
| 5   | Dynamic Frequency Selection        | FCC 15.407 (h); RSS-247 Clause 6.8                                             | /         | Pass   |
| 6   | Radiated Emission                  | FCC 15.407 (b); FCC 15.209; FCC 15.205; RSS-247 Clause 6.2; RSS-GEN Clause 8.9 | /         | Pass   |
| 7   | Band Edge Compliance               | FCC 15.407 (b); FCC 15.209; FCC 15.205; RSS-247 Clause 6.2; RSS-GEN Clause 8.9 | /         | Pass   |
| 8   | Power Line Conducted Emissions     | FCC Part 15: 15.207(a), RSS-Gen Issue 5 clause 8.8                             | /         | Pass   |
| 9   | Antenna Requirement                | FCC Part 15: 15.203, RSS-Gen Issue 5 clause 6.8                                | /         | 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                 | : Mercku M6s Nano Mesh Wi-Fi Router           |
| Model Number             | : MBAA0                                       |
| EUT Function Description | : Please reference user manual of this device |
| Power Supply             | : AC 100~240V, 50-60Hz, 0.55A                 |

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<br>IEEE 802.11n HT20: 5180MHz-5240MHz, 5260MHz-5320MHz, 5500MHz-5720MHz, 5745MHz-5825MHz<br>IEEE 802.11n HT40: 5190MHz-5230MHz, 5270MHz-5310MHz, 5510MHz-5710MHz, 5755MHz-5795MHz<br>IEEE 802.11ac VHT20: 5180MHz-5240MHz, 5260MHz-5320MHz, 5500MHz-5720MHz, 5745MHz-5825MHz<br>IEEE 802.11ac VHT40: 5190MHz-5230MHz, 5270MHz-5310MHz, 5510MHz-5710MHz, 5755MHz-5795MHz<br>IEEE 802.11ac VHT80: 5210MHz, 5290MHz, 5530MHz, 5610MHz, 5690MHz, 5775MHz<br>IEEE 802.11ac VHT160: 5250MHz, 5570MHz<br>IEEE 802.11ax HE20: 5180MHz-5240MHz, 5260MHz-5320MHz, 5500MHz-5720MHz, 5745MHz-5825MHz<br>IEEE 802.11ax HE40: 5190MHz-5230MHz, 5270MHz-5310MHz, 5510MHz-5710MHz, 5755MHz-5795MHz<br>IEEE 802.11ax HE80: 5210MHz, 5290MHz, 5530MHz, 5610MHz, 5690MHz, 5775MHz<br>IEEE 802.11ax VHT160: 5250MHz, 5570MHz |
| Modulation          | : IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK)<br>IEEE 802.11n HT20, HT40: OFDM (64QAM, 16QAM, QPSK, BPSK)<br>IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)<br>IEEE 802.11ax: OFDM (1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

#### Antenna information:

| Antenna Type           | PCB                 |                 |           |                  |                 |           |                  |
|------------------------|---------------------|-----------------|-----------|------------------|-----------------|-----------|------------------|
| Max Antenna Gain (dBi) | /                   | Ant1 Gain       | Ant2 Gain | Directional Gain | Ant1 Gain       | Ant2 Gain | Directional Gain |
|                        |                     | 5150MHz-5350MHz |           |                  | 5470MHz-5850MHz |           |                  |
|                        | IEEE 802.11a        | 6.43            | 6.43      | 6.43             | 6.6             | 6.6       | 6.6              |
|                        | IEEE 802.11n HT20   | 6.43            | 6.43      | 6.43             | 6.6             | 6.6       | 6.6              |
|                        | IEEE 802.11n HT40   | 6.43            | 6.43      | 6.43             | 6.6             | 6.6       | 6.6              |
|                        | IEEE 802.11ac VHT20 | 6.43            | 6.43      | 6.43             | 6.6             | 6.6       | 6.6              |

|                     |      |      |      |     |     |     |
|---------------------|------|------|------|-----|-----|-----|
| IEEE 802.11ac VHT40 | 6.43 | 6.43 | 6.43 | 6.6 | 6.6 | 6.6 |
| IEEE 802.11ac VHT80 | 6.43 | 6.43 | 6.43 | 6.6 | 6.6 | 6.6 |
| IEEE 802.11ac HE160 | 6.43 | 6.43 | 6.43 | 6.6 | 6.6 | 6.6 |
| IEEE 802.11ax HE20  | 6.43 | 6.43 | 6.43 | 6.6 | 6.6 | 6.6 |
| IEEE 802.11ax HE40  | 6.43 | 6.43 | 6.43 | 6.6 | 6.6 | 6.6 |
| IEEE 802.11ax HE80  | 6.43 | 6.43 | 6.43 | 6.6 | 6.6 | 6.6 |
| IEEE 802.11ax HE160 | 6.43 | 6.43 | 6.43 | 6.6 | 6.6 | 6.6 |

## Channel information

|                                                                                      |                 |                                                                      |                 |                                               |                 |                                                 |                 |
|--------------------------------------------------------------------------------------|-----------------|----------------------------------------------------------------------|-----------------|-----------------------------------------------|-----------------|-------------------------------------------------|-----------------|
| IEEE 802.11a<br>IEEE 802.11n (HT20)<br>IEEE 802.11ac (VHT20)<br>IEEE 802.11ax (HE20) |                 | IEEE 802.11n (HT40)<br>IEEE 802.11ac (VHT40)<br>IEEE 802.11ax (HE40) |                 | IEEE 802.11ac (VHT80)<br>IEEE 802.11ax (HE80) |                 | IEEE 802.11ac (VHT160)<br>IEEE 802.11ax (HE160) |                 |
| UNII-1                                                                               |                 |                                                                      |                 |                                               |                 |                                                 |                 |
| CH                                                                                   | Frequency (MHz) | CH                                                                   | Frequency (MHz) | CH                                            | Frequency (MHz) | CH                                              | Frequency (MHz) |
| 36                                                                                   | 5180            | 38                                                                   | 5190            | 42                                            | 5210            | 50                                              | 5250            |
| 40                                                                                   | 5200            | 46                                                                   | 5230            | /                                             | /               | /                                               | /               |
| 44                                                                                   | 5220            | /                                                                    | /               | /                                             | /               | /                                               | /               |
| 48                                                                                   | 5240            | /                                                                    | /               | /                                             | /               | /                                               | /               |
| UNII-2A                                                                              |                 |                                                                      |                 |                                               |                 |                                                 |                 |
| 52                                                                                   | 5260            | 54                                                                   | 5270            | 58                                            | 5290            | 50                                              | 5250            |
| 56                                                                                   | 5280            | 62                                                                   | 5310            | /                                             | /               | /                                               | /               |
| 60                                                                                   | 5300            | /                                                                    | /               | /                                             | /               | /                                               | /               |
| 64                                                                                   | 5320            | /                                                                    | /               | /                                             | /               | /                                               | /               |
| UNII-2C                                                                              |                 |                                                                      |                 |                                               |                 |                                                 |                 |
| 100                                                                                  | 5500            | 102                                                                  | 5510            | 106                                           | 5530            | 114                                             | 5570            |
| 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 |      |     |      |     |      |   |   |

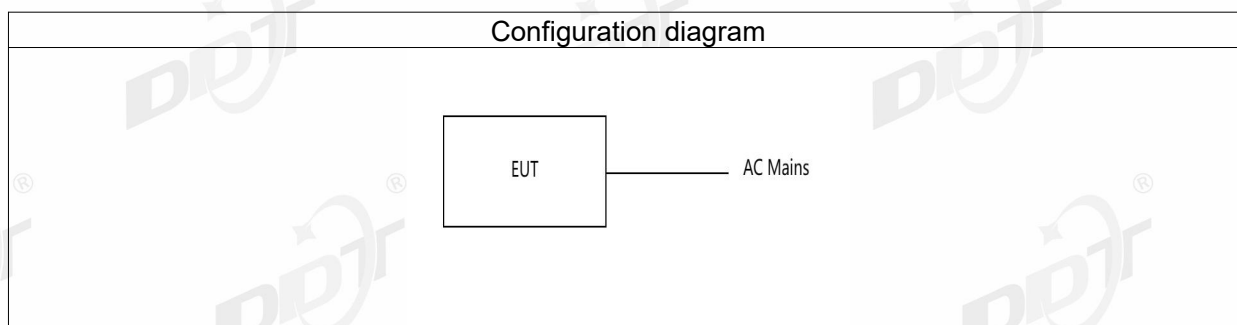
Note : “☑” means to be chosen or applicable; “☐” means don’t to be chosen or not applicable; This note applies to entire report.

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 |
|-------------|--------------|--------------|-------------|
| /           | /            | /            | /           |

## 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, channel, and data rate information

| Mode                    | Setting Tx Power |      | Data rate (Mbps)<br>(see Note) | Channel        | Frequency<br>(MHz) |
|-------------------------|------------------|------|--------------------------------|----------------|--------------------|
|                         | ANT1             | ANT2 |                                |                |                    |
| IEEE<br>802.11a         | 10               | 10   | 6                              | Low: CH36      | 5180               |
|                         | 10               | 10   | 6                              | Middle: CH40   | 5200               |
|                         | 10               | 10   | 6                              | High: CH48     | 5240               |
|                         | 17               | 17   | 6                              | Low: CH52      | 5260               |
|                         | 17               | 17   | 6                              | Middle: CH56   | 5280               |
|                         | 17               | 17   | 6                              | High: CH64     | 5320               |
|                         | 17               | 17   | 6                              | Low: CH100     | 5500               |
|                         | 17               | 17   | 6                              | Middle: CH116  | 5580               |
|                         | 17               | 17   | 6                              | High: CH140    | 5700               |
|                         | 17               | 17   | 6                              | Straddle:CH144 | 5720               |
|                         | 18               | 18   | 6                              | Low: CH149     | 5745               |
|                         | 18               | 18   | 6                              | Middle: CH157  | 5785               |
|                         | 18               | 18   | 6                              | High: CH165    | 5825               |
| IEEE<br>802.11n<br>HT20 | 9                | 9    | MCS 8                          | Low: CH36      | 5180               |
|                         | 9                | 9    | MCS 8                          | Middle: CH40   | 5200               |
|                         | 9                | 9    | MCS 8                          | High: CH48     | 5240               |
|                         | 15               | 15   | MCS 8                          | Low: CH52      | 5260               |
|                         | 15               | 15   | MCS 8                          | Middle: CH56   | 5280               |
|                         | 15               | 15   | MCS 8                          | High: CH64     | 5320               |
|                         | 15               | 15   | MCS 8                          | Low: CH100     | 5500               |
|                         | 15               | 15   | MCS 8                          | Middle: CH116  | 5580               |
|                         | 15               | 15   | MCS 8                          | High: CH140    | 5700               |
|                         | 15               | 15   | MCS 8                          | Straddle:CH144 | 5720               |
|                         | 17               | 17   | MCS 8                          | Low: CH149     | 5745               |
|                         | 17               | 17   | MCS 8                          | Middle: CH157  | 5785               |
|                         | 17               | 17   | MCS 8                          | High: CH165    | 5825               |
| IEEE<br>802.11n<br>HT40 | 10               | 10   | MCS 8                          | Low: CH38      | 5190               |
|                         | 10               | 10   | MCS 8                          | Middle: CH46   | 5230               |
|                         | 17               | 17   | MCS 8                          | High: CH54     | 5270               |
|                         | 17               | 17   | MCS 8                          | Low: CH62      | 5310               |
|                         | 17               | 17   | MCS 8                          | Middle: CH102  | 5510               |
|                         | 17               | 17   | MCS 8                          | High: CH110    | 5550               |
|                         | 17               | 17   | MCS 8                          | Low: CH134     | 5670               |
|                         | 17               | 17   | MCS 8                          | Low: CH142     | 5710               |
|                         | 19               | 19   | MCS 8                          | Middle: CH151  | 5755               |
|                         | 19               | 19   | MCS 8                          | High: CH159    | 5795               |
| IEEE<br>802.11ac        | 9                | 9    | MCS 8                          | Low: CH36      | 5180               |
|                         | 9                | 9    | MCS 8                          | Middle: CH40   | 5200               |

|                            |    |    |       |                 |      |
|----------------------------|----|----|-------|-----------------|------|
| VHT20                      | 9  | 9  | MCS 8 | High: CH48      | 5240 |
|                            | 16 | 16 | MCS 8 | Low: CH52       | 5260 |
|                            | 16 | 16 | MCS 8 | Middle: CH56    | 5280 |
|                            | 16 | 16 | MCS 8 | High: CH64      | 5320 |
|                            | 16 | 16 | MCS 8 | Low: CH100      | 5500 |
|                            | 16 | 16 | MCS 8 | Middle: CH116   | 5580 |
|                            | 16 | 16 | MCS 8 | High: CH140     | 5700 |
|                            | 16 | 16 | MCS 8 | Straddle:CH144  | 5720 |
|                            | 18 | 18 | MCS 8 | Low: CH149      | 5745 |
|                            | 18 | 18 | MCS 8 | Middle: CH157   | 5785 |
| IEEE<br>802.11 ac<br>VHT40 | 18 | 18 | MCS 8 | High: CH165     | 5825 |
|                            | 10 | 10 | MCS 8 | Low: CH38       | 5190 |
|                            | 10 | 10 | MCS 8 | Middle: CH46    | 5230 |
|                            | 17 | 17 | MCS 8 | High: CH54      | 5270 |
|                            | 17 | 17 | MCS 8 | Low: CH62       | 5310 |
|                            | 17 | 17 | MCS 8 | Middle: CH102   | 5510 |
|                            | 17 | 17 | MCS 8 | High: CH110     | 5550 |
|                            | 17 | 17 | MCS 8 | Low: CH134      | 5670 |
|                            | 17 | 17 | MCS 8 | Straddle: CH142 | 5710 |
|                            | 18 | 18 | MCS 8 | Middle: CH151   | 5755 |
| IEEE<br>802.11ac<br>VHT80  | 18 | 18 | MCS 8 | High: CH159     | 5795 |
|                            | 10 | 10 | MCS 0 | CH42            | 5210 |
|                            | 14 | 14 | MCS 0 | CH58            | 5290 |
|                            | 14 | 14 | MCS 0 | CH106           | 5530 |
|                            | 14 | 14 | MCS 0 | CH122           | 5610 |
|                            | 14 | 14 | MCS 0 | CH138           | 5690 |
| IEEE<br>802.11ac<br>VHT160 | 18 | 18 | MCS 0 | CH155           | 5775 |
|                            | 10 | 10 | MCS 0 | CH50            | 5250 |
| IEEE<br>802.11ax<br>HE20   | 10 | 10 | MCS 0 | CH114           | 5570 |
|                            | 9  | 9  | MCS 0 | Low: CH36       | 5180 |
|                            | 9  | 9  | MCS 0 | Middle: CH40    | 5200 |
|                            | 9  | 9  | MCS 0 | High: CH48      | 5240 |
|                            | 16 | 16 | MCS 0 | Low: CH52       | 5260 |
|                            | 16 | 16 | MCS 0 | Middle: CH56    | 5280 |
|                            | 16 | 16 | MCS 0 | High: CH64      | 5320 |
|                            | 16 | 16 | MCS 0 | Low: CH100      | 5500 |
|                            | 16 | 16 | MCS 0 | Middle: CH116   | 5580 |
|                            | 16 | 16 | MCS 0 | High: CH140     | 5700 |
|                            | 16 | 16 | MCS 0 | Straddle:CH144  | 5720 |
|                            | 18 | 18 | MCS 0 | Low: CH149      | 5745 |

|                           |    |    |       |                 |      |
|---------------------------|----|----|-------|-----------------|------|
|                           | 18 | 18 | MCS 0 | Middle: CH157   | 5785 |
|                           | 18 | 18 | MCS 0 | High: CH165     | 5825 |
| IEEE<br>802.11ax<br>HE40  | 10 | 10 | MCS 0 | Low: CH38       | 5190 |
|                           | 10 | 10 | MCS 0 | Middle: CH46    | 5230 |
|                           | 10 | 10 | MCS 0 | High: CH54      | 5270 |
|                           | 17 | 17 | MCS 0 | Low: CH62       | 5310 |
|                           | 17 | 17 | MCS 0 | Middle: CH102   | 5510 |
|                           | 17 | 17 | MCS 0 | High: CH110     | 5550 |
|                           | 17 | 17 | MCS 0 | Low: CH134      | 5670 |
|                           | 17 | 17 | MCS 0 | Straddle: CH142 | 5710 |
|                           | 18 | 18 | MCS 0 | Middle: CH151   | 5755 |
|                           | 18 | 18 | MCS 0 | High: CH159     | 5795 |
| IEEE<br>802.11ax<br>HE80  | 10 | 10 | MCS 0 | CH42            | 5210 |
|                           | 14 | 14 | MCS 0 | CH58            | 5290 |
|                           | 14 | 14 | MCS 0 | CH106           | 5530 |
|                           | 14 | 14 | MCS 0 | CH122           | 5610 |
|                           | 14 | 14 | MCS 0 | CH138           | 5690 |
|                           | 18 | 18 | MCS 0 | CH155           | 5775 |
| IEEE<br>802.11ax<br>HE160 | 10 | 10 | MCS 0 | CH50            | 5250 |
|                           | 10 | 10 | MCS 0 | CH114           | 5570 |

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℃ to +35℃      |
| 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](mailto: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 MHz $\leq$ f < 3.6 GHz);<br>1.38 dB (3.6 GHz $\leq$ f < 8 GHz)                                        |
| Peak Output Power (Conducted) (Power Sensor)                | 0.74 dB                                                                                                           |
| Power Spectral Density                                      | 0.74 dB (10 MHz $\leq$ f < 3.6 GHz);<br>1.38 dB (3.6 GHz $\leq$ f < 8 GHz)                                        |
| Frequencies Stability                                       | 6.7 x 10 <sup>-8</sup> (Antenna couple method)<br>5.5 x 10 <sup>-8</sup> (Conducted method)                       |
| Conducted spurious emissions                                | 0.86 dB (10 MHz $\leq$ f < 3.6 GHz);<br>1.40 dB (3.6 GHz $\leq$ f < 8 GHz)<br>1.66 dB (8 GHz $\leq$ f < 26.5 GHz) |
| Uncertainty for radio frequency (RBW < 20 kHz)              | 3x10 <sup>-8</sup>                                                                                                |
| Temperature                                                 | 0.4 °C                                                                                                            |
| Humidity                                                    | 2 %                                                                                                               |
| Uncertainty for Radiation Emission test<br>(9 kHz – 30 MHz) | 3.44 dB                                                                                                           |
| Uncertainty for Radiation Emission test<br>(30 MHz - 1 GHz) | 4.70 dB (Antenna Polarize: V)<br>4.84 dB (Antenna Polarize: H)                                                    |
| Uncertainty for Radiation Emission test<br>(1 GHz - 40 GHz) | 4.10 dB (1 - 6 GHz)<br>4.40 dB (6 GHz - 18 GHz)<br>3.54 dB (18 GHz - 26 GHz)<br>4.30 dB (26 GHz - 40 GHz)         |
| Uncertainty for Power line conduction emission test         | 3.34dB (150KHz-30MHz)<br>3.72dB (9KHz-150KHz)                                                                     |

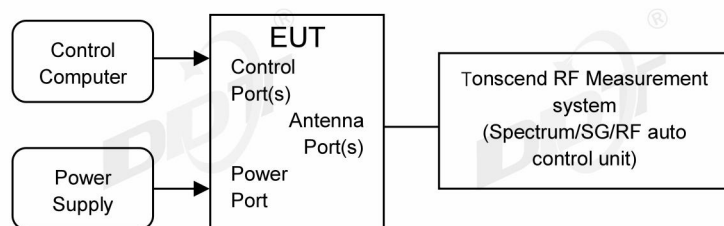
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

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        | 2024/04/26 |
| Wideband Radio Communication Tester            | R&S          | CMW500      | 120259        | 2024/07/14 |
| MXG Vector Signal Generator                    | KEYSIGHT     | N5182B      | MY59100192    | 2024/04/26 |
| MXG Vector Signal Generator                    | Agilent      | N5182A      | MY19060405    | 2024/04/26 |
| RF Control Unit                                | Tonsend      | JS0806-2    | 158060010     | 2024/04/26 |
| TEMP&HUMI Programmable Chamber                 | ZHIXIANG     | ZXGDJS-150L | ZX170110-A    | 2024/05/14 |
| 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/ RSS-247 |       |                                                            |
|--------------------------------|-------|------------------------------------------------------------|
| Test Item                      | Limit | Frequency Range (MHz)                                      |
| 26 dB Bandwidth                | ---   | 5150 - 5250                                                |
|                                | ---   | 5250 - 5350                                                |
|                                | ---   | For FCC: 5470 - 5725<br>For IC: 5470 - 5600<br>5650 - 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: | 23.6℃,64%RH  | Test Date: | 2024.01.29-2024.02.21             |
| Test Power Supply: | AC230V/50Hz  | EUT:       | Mercku M6s Nano Mesh Wi-Fi Router |
| Sample Number:     | S23111605-01 | Model No.: | MBAA0                             |

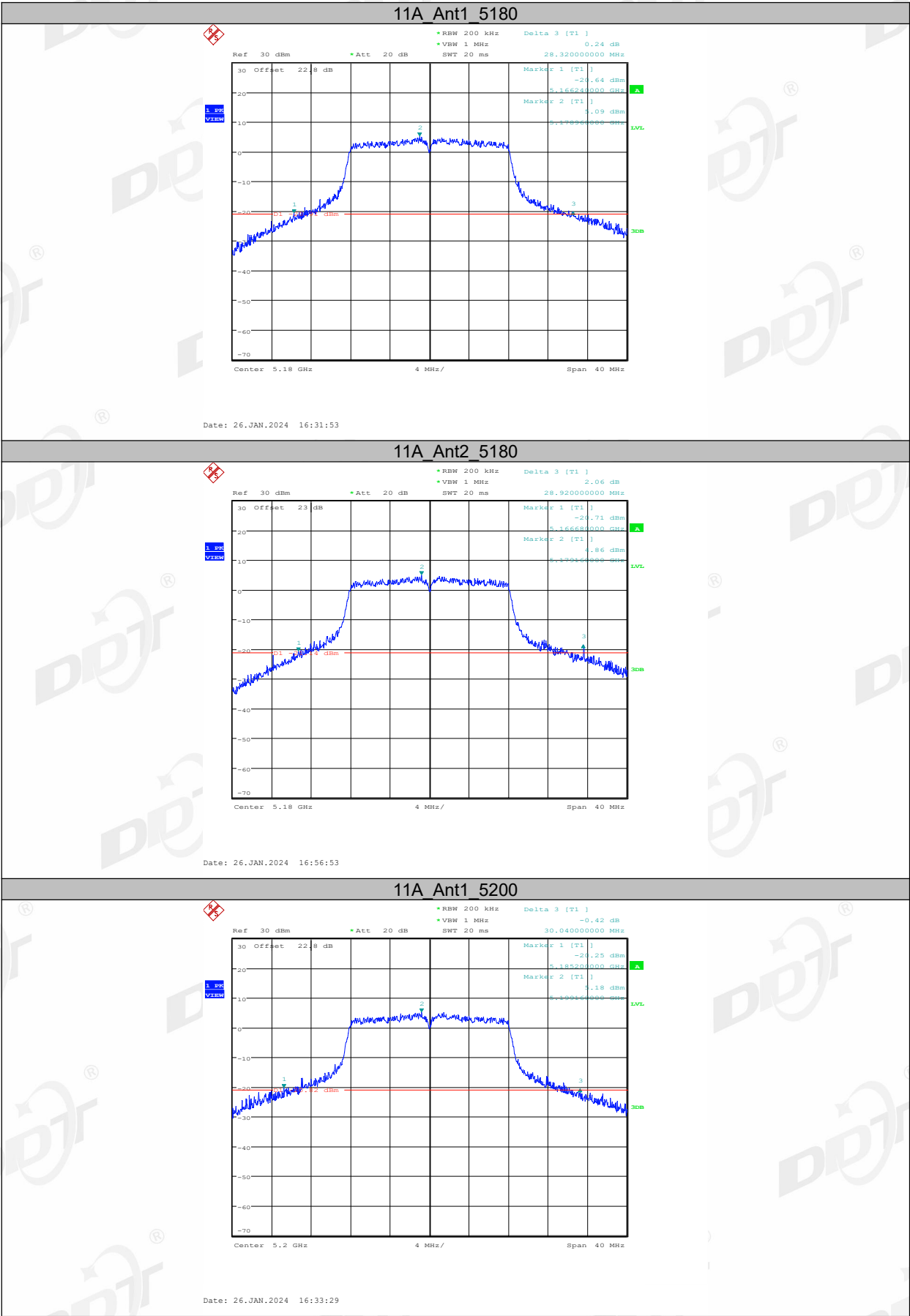
| Test Mode | Antenna | Frequency[MHz] | 26db EBW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|-----------|---------|----------------|----------------|---------|---------|------------|---------|
| 11A       | Ant1    | 5180           | 28.32          | 5166.24 | 5194.56 | ---        | ---     |
|           | Ant2    | 5180           | 28.92          | 5166.68 | 5195.60 | ---        | ---     |
|           | Ant1    | 5200           | 30.04          | 5185.20 | 5215.24 | ---        | ---     |
|           | Ant2    | 5200           | 29.84          | 5184.56 | 5214.40 | ---        | ---     |
|           | Ant1    | 5240           | 20.24          | 5229.88 | 5250.12 | ---        | ---     |
|           | Ant2    | 5240           | 20.28          | 5229.80 | 5250.08 | ---        | ---     |
|           | Ant1    | 5260           | 21.36          | 5249.40 | 5270.76 | ---        | ---     |
|           | Ant2    | 5260           | 21.36          | 5249.24 | 5270.60 | ---        | ---     |
|           | Ant1    | 5280           | 21.40          | 5269.40 | 5290.80 | ---        | ---     |
|           | Ant2    | 5280           | 21.20          | 5269.52 | 5290.72 | ---        | ---     |
|           | Ant1    | 5320           | 28.88          | 5304.68 | 5333.56 | ---        | ---     |
|           | Ant2    | 5320           | 29.28          | 5303.92 | 5333.20 | ---        | ---     |
|           | Ant1    | 5500           | 28.08          | 5486.44 | 5514.52 | ---        | ---     |
|           | Ant2    | 5500           | 27.36          | 5486.60 | 5513.96 | ---        | ---     |
|           | Ant1    | 5580           | 21.60          | 5568.96 | 5590.56 | ---        | ---     |
|           | Ant2    | 5580           | 21.72          | 5569.00 | 5590.72 | ---        | ---     |
|           | Ant1    | 5700           | 26.92          | 5684.76 | 5711.68 | ---        | ---     |
|           | Ant2    | 5700           | 28.20          | 5683.96 | 5712.16 | ---        | ---     |
|           | Ant1    | 5720           | 21.12          | 5709.40 | 5730.52 | ---        | ---     |
|           | Ant2    | 5720           | 21.36          | 5709.32 | 5730.68 | ---        | ---     |
|           | Ant1    | 5720_UNII-2C   | 15.6           | 5709.40 | 5725    | ---        | ---     |
|           | Ant2    | 5720_UNII-2C   | 15.68          | 5709.32 | 5725    | ---        | ---     |
|           | Ant1    | 5720_UNII-3    | 5.52           | 5725    | 5730.52 | ---        | ---     |
|           | Ant2    | 5720_UNII-3    | 5.68           | 5725    | 5730.68 | ---        | ---     |
|           | Ant1    | 5745           | 26.56          | 5733.88 | 5760.44 | ---        | ---     |
|           | Ant2    | 5745           | 28.28          | 5733.80 | 5762.08 | ---        | ---     |
|           | Ant1    | 5785           | 27.56          | 5771.60 | 5799.16 | ---        | ---     |
|           | Ant2    | 5785           | 25.52          | 5772.32 | 5797.84 | ---        | ---     |
|           | Ant1    | 5825           | 28.16          | 5809.72 | 5837.88 | ---        | ---     |
|           | Ant2    | 5825           | 27.96          | 5809.32 | 5837.28 | ---        | ---     |
| 11N20MIMO | Ant1    | 5180           | 32.20          | 5165.60 | 5197.80 | ---        | ---     |
|           | Ant2    | 5180           | 30.96          | 5165.60 | 5196.56 | ---        | ---     |
|           | Ant1    | 5200           | 34.16          | 5182.40 | 5216.56 | ---        | ---     |
|           | Ant2    | 5200           | 32.96          | 5183.96 | 5216.92 | ---        | ---     |
|           | Ant1    | 5240           | 20.68          | 5229.68 | 5250.36 | ---        | ---     |
|           | Ant2    | 5240           | 20.52          | 5229.72 | 5250.24 | ---        | ---     |
|           | Ant1    | 5260           | 22.32          | 5248.76 | 5271.08 | ---        | ---     |
|           | Ant2    | 5260           | 21.60          | 5249.20 | 5270.80 | ---        | ---     |
|           | Ant1    | 5280           | 22.00          | 5269.12 | 5291.12 | ---        | ---     |
|           | Ant2    | 5280           | 21.88          | 5269.20 | 5291.08 | ---        | ---     |
|           | Ant1    | 5320           | 31.68          | 5302.12 | 5333.80 | ---        | ---     |
|           | Ant2    | 5320           | 30.72          | 5303.72 | 5334.44 | ---        | ---     |
|           | Ant1    | 5500           | 32.00          | 5485.72 | 5517.72 | ---        | ---     |
|           | Ant2    | 5500           | 31.44          | 5486.20 | 5517.64 | ---        | ---     |
|           | Ant1    | 5580           | 22.20          | 5568.88 | 5591.08 | ---        | ---     |
|           | Ant2    | 5580           | 21.76          | 5569.12 | 5590.88 | ---        | ---     |
|           | Ant1    | 5700           | 28.76          | 5683.60 | 5712.36 | ---        | ---     |
|           | Ant2    | 5700           | 28.80          | 5683.72 | 5712.52 | ---        | ---     |
|           | Ant1    | 5720           | 22.08          | 5708.92 | 5731.00 | ---        | ---     |
|           | Ant2    | 5720           | 21.64          | 5709.20 | 5730.84 | ---        | ---     |
|           | Ant1    | 5720_UNII-2C   | 16.08          | 5708.92 | 5725    | ---        | ---     |
|           | Ant2    | 5720_UNII-2C   | 15.8           | 5709.20 | 5725    | ---        | ---     |
|           | Ant1    | 5720_UNII-3    | 6              | 5725    | 5731.00 | ---        | ---     |
|           | Ant2    | 5720_UNII-3    | 5.84           | 5725    | 5730.84 | ---        | ---     |
|           | Ant1    | 5745           | 27.08          | 5733.32 | 5760.40 | ---        | ---     |

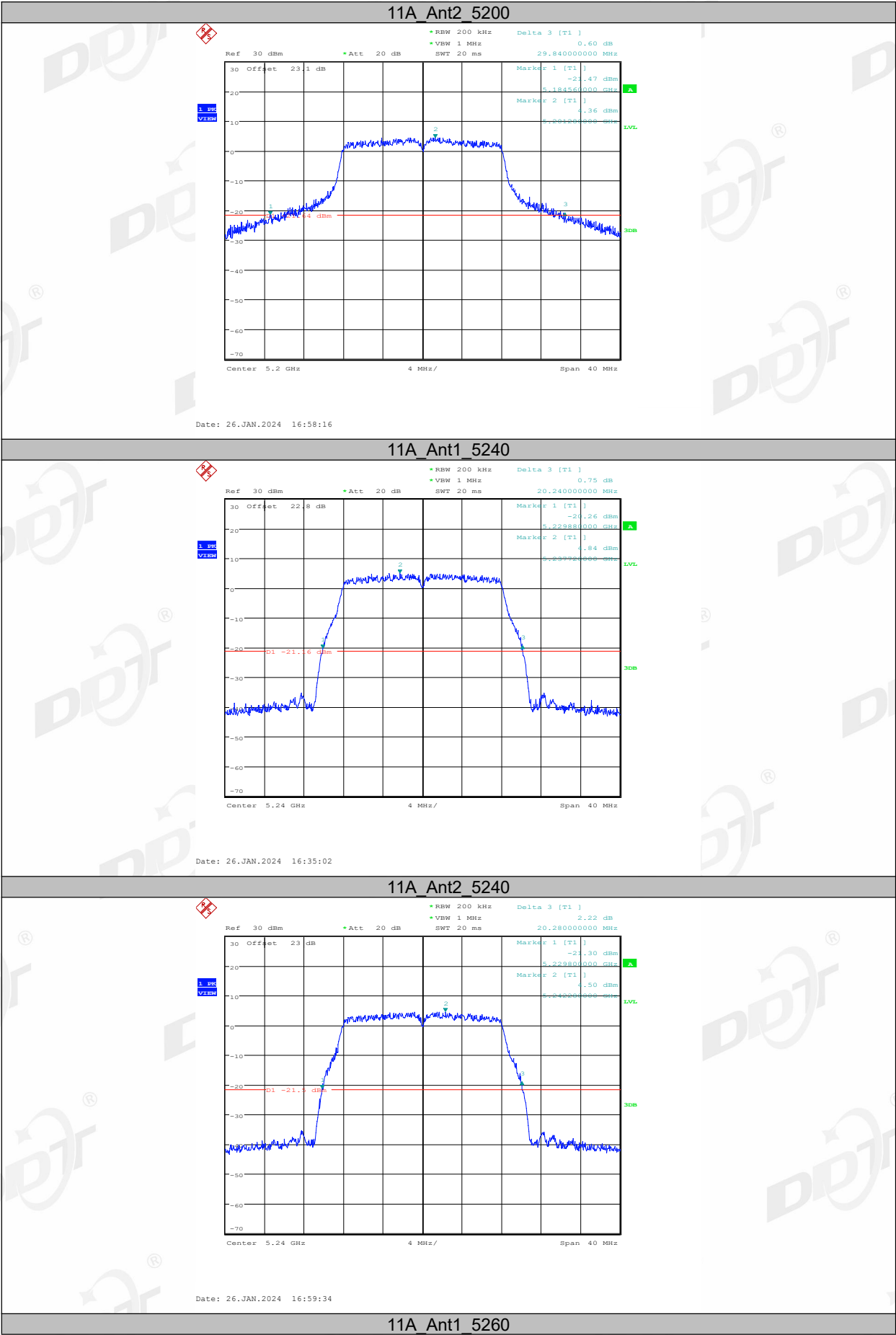
|            |      |              |       |         |         |     |     |
|------------|------|--------------|-------|---------|---------|-----|-----|
|            | Ant2 | 5745         | 27.32 | 5733.92 | 5761.24 | --- | --- |
|            | Ant1 | 5785         | 22.04 | 5774.08 | 5796.12 | --- | --- |
|            | Ant2 | 5785         | 21.72 | 5774.08 | 5795.80 | --- | --- |
|            | Ant1 | 5825         | 27.40 | 5809.88 | 5837.28 | --- | --- |
|            | Ant2 | 5825         | 28.72 | 5808.76 | 5837.48 | --- | --- |
| 11N40MIMO  | Ant1 | 5190         | 59.28 | 5165.12 | 5224.40 | --- | --- |
|            | Ant2 | 5190         | 54.16 | 5165.76 | 5219.92 | --- | --- |
|            | Ant1 | 5230         | 41.52 | 5209.20 | 5250.72 | --- | --- |
|            | Ant2 | 5230         | 40.64 | 5209.68 | 5250.32 | --- | --- |
|            | Ant1 | 5270         | 41.36 | 5249.36 | 5290.72 | --- | --- |
|            | Ant2 | 5270         | 40.64 | 5249.68 | 5290.32 | --- | --- |
|            | Ant1 | 5310         | 52.48 | 5280.72 | 5333.20 | --- | --- |
|            | Ant2 | 5310         | 48.72 | 5283.92 | 5332.64 | --- | --- |
|            | Ant1 | 5510         | 55.76 | 5485.12 | 5540.88 | --- | --- |
|            | Ant2 | 5510         | 51.12 | 5487.04 | 5538.16 | --- | --- |
|            | Ant1 | 5550         | 41.28 | 5529.44 | 5570.72 | --- | --- |
|            | Ant2 | 5550         | 40.72 | 5529.60 | 5570.32 | --- | --- |
|            | Ant1 | 5670         | 65.68 | 5636.16 | 5701.84 | --- | --- |
|            | Ant2 | 5670         | 55.76 | 5641.84 | 5697.60 | --- | --- |
|            | Ant1 | 5710         | 41.04 | 5689.44 | 5730.48 | --- | --- |
|            | Ant2 | 5710         | 40.56 | 5689.76 | 5730.32 | --- | --- |
|            | Ant1 | 5710_UNII-2C | 35.56 | 5689.44 | 5725    | --- | --- |
|            | Ant2 | 5710_UNII-2C | 35.24 | 5689.76 | 5725    | --- | --- |
|            | Ant1 | 5710_UNII-3  | 5.48  | 5725    | 5730.48 | --- | --- |
|            | Ant2 | 5710_UNII-3  | 5.32  | 5725    | 5730.32 | --- | --- |
|            | Ant1 | 5755         | 53.04 | 5734.12 | 5787.16 | --- | --- |
|            | Ant2 | 5755         | 50.08 | 5734.52 | 5784.60 | --- | --- |
|            | Ant1 | 5795         | 41.12 | 5774.36 | 5815.48 | --- | --- |
|            | Ant2 | 5795         | 40.88 | 5774.60 | 5815.48 | --- | --- |
| 11AC20MIMO | Ant1 | 5180         | 22.12 | 5168.92 | 5191.04 | --- | --- |
|            | Ant2 | 5180         | 22.40 | 5168.84 | 5191.24 | --- | --- |
|            | Ant1 | 5200         | 22.12 | 5188.80 | 5210.92 | --- | --- |
|            | Ant2 | 5200         | 22.48 | 5188.88 | 5211.36 | --- | --- |
|            | Ant1 | 5240         | 20.72 | 5229.68 | 5250.40 | --- | --- |
|            | Ant2 | 5240         | 20.68 | 5229.60 | 5250.28 | --- | --- |
|            | Ant1 | 5260         | 21.60 | 5249.12 | 5270.72 | --- | --- |
|            | Ant2 | 5260         | 22.28 | 5248.88 | 5271.16 | --- | --- |
|            | Ant1 | 5280         | 21.84 | 5268.88 | 5290.72 | --- | --- |
|            | Ant2 | 5280         | 22.00 | 5269.16 | 5291.16 | --- | --- |
|            | Ant1 | 5320         | 21.96 | 5308.96 | 5330.92 | --- | --- |
|            | Ant2 | 5320         | 22.24 | 5308.92 | 5331.16 | --- | --- |
|            | Ant1 | 5500         | 22.24 | 5488.76 | 5511.00 | --- | --- |
|            | Ant2 | 5500         | 22.32 | 5488.88 | 5511.20 | --- | --- |
|            | Ant1 | 5580         | 22.00 | 5568.88 | 5590.88 | --- | --- |
|            | Ant2 | 5580         | 21.80 | 5569.24 | 5591.04 | --- | --- |
|            | Ant1 | 5700         | 22.12 | 5688.96 | 5711.08 | --- | --- |
|            | Ant2 | 5700         | 21.96 | 5689.04 | 5711.00 | --- | --- |
|            | Ant1 | 5720         | 22.16 | 5708.92 | 5731.08 | --- | --- |
|            | Ant2 | 5720         | 21.84 | 5709.08 | 5730.92 | --- | --- |
|            | Ant1 | 5720_UNII-2C | 16.08 | 5708.92 | 5725    | --- | --- |
|            | Ant2 | 5720_UNII-2C | 15.92 | 5709.08 | 5725    | --- | --- |
|            | Ant1 | 5720_UNII-3  | 6.08  | 5725    | 5731.08 | --- | --- |
|            | Ant2 | 5720_UNII-3  | 5.92  | 5725    | 5730.92 | --- | --- |
|            | Ant1 | 5745         | 21.96 | 5734.16 | 5756.12 | --- | --- |
|            | Ant2 | 5745         | 21.88 | 5734.08 | 5755.96 | --- | --- |
|            | Ant1 | 5785         | 21.72 | 5774.16 | 5795.88 | --- | --- |
|            | Ant2 | 5785         | 22.52 | 5773.64 | 5796.16 | --- | --- |
|            | Ant1 | 5825         | 21.92 | 5813.96 | 5835.88 | --- | --- |
|            | Ant2 | 5825         | 21.96 | 5814.20 | 5836.16 | --- | --- |
| 11AC40MIMO | Ant1 | 5190         | 62.72 | 5161.04 | 5223.76 | --- | --- |
|            | Ant2 | 5190         | 55.52 | 5165.76 | 5221.28 | --- | --- |
|            | Ant1 | 5230         | 41.60 | 5209.20 | 5250.80 | --- | --- |
|            | Ant2 | 5230         | 40.64 | 5209.60 | 5250.24 | --- | --- |
|            | Ant1 | 5270         | 41.20 | 5249.44 | 5290.64 | --- | --- |

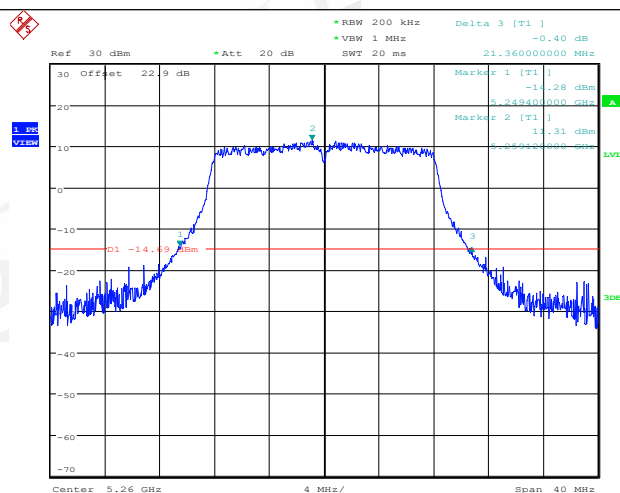
|             |      |              |        |         |         |     |     |
|-------------|------|--------------|--------|---------|---------|-----|-----|
|             | Ant2 | 5270         | 40.56  | 5249.68 | 5290.24 | --- | --- |
|             | Ant1 | 5310         | 62.24  | 5274.24 | 5336.48 | --- | --- |
|             | Ant2 | 5310         | 55.76  | 5278.56 | 5334.32 | --- | --- |
|             | Ant1 | 5510         | 61.04  | 5482.96 | 5544.00 | --- | --- |
|             | Ant2 | 5510         | 55.12  | 5485.84 | 5540.96 | --- | --- |
|             | Ant1 | 5550         | 41.44  | 5529.36 | 5570.80 | --- | --- |
|             | Ant2 | 5550         | 40.48  | 5529.76 | 5570.24 | --- | --- |
|             | Ant1 | 5670         | 65.12  | 5636.32 | 5701.44 | --- | --- |
|             | Ant2 | 5670         | 62.72  | 5638.40 | 5701.12 | --- | --- |
|             | Ant1 | 5710         | 41.28  | 5689.28 | 5730.56 | --- | --- |
|             | Ant2 | 5710         | 41.04  | 5689.44 | 5730.48 | --- | --- |
|             | Ant1 | 5710 UNII-2C | 35.72  | 5689.28 | 5725    | --- | --- |
|             | Ant2 | 5710 UNII-2C | 35.56  | 5689.44 | 5725    | --- | --- |
|             | Ant1 | 5710 UNII-3  | 5.56   | 5725    | 5730.56 | --- | --- |
|             | Ant2 | 5710 UNII-3  | 5.48   | 5725    | 5730.48 | --- | --- |
|             | Ant1 | 5755         | 52.24  | 5734.12 | 5786.36 | --- | --- |
|             | Ant2 | 5755         | 51.92  | 5734.36 | 5786.28 | --- | --- |
|             | Ant1 | 5795         | 41.04  | 5774.52 | 5815.56 | --- | --- |
|             | Ant2 | 5795         | 40.64  | 5774.68 | 5815.32 | --- | --- |
| 11AC80MIMO  | Ant1 | 5210         | 113.12 | 5161.84 | 5274.96 | --- | --- |
|             | Ant2 | 5210         | 115.84 | 5162.96 | 5278.80 | --- | --- |
|             | Ant1 | 5290         | 117.12 | 5221.68 | 5338.80 | --- | --- |
|             | Ant2 | 5290         | 110.56 | 5226.96 | 5337.52 | --- | --- |
|             | Ant1 | 5530         | 116.32 | 5483.76 | 5600.08 | --- | --- |
|             | Ant2 | 5530         | 112.16 | 5481.68 | 5593.84 | --- | --- |
|             | Ant1 | 5610         | 80.32  | 5569.84 | 5650.16 | --- | --- |
|             | Ant2 | 5610         | 80.32  | 5569.84 | 5650.16 | --- | --- |
|             | Ant1 | 5690         | 80.32  | 5649.84 | 5730.16 | --- | --- |
|             | Ant2 | 5690         | 80.00  | 5650.00 | 5730.00 | --- | --- |
|             | Ant1 | 5690 UNII-2C | 75.16  | 5649.84 | 5725    | --- | --- |
|             | Ant2 | 5690 UNII-2C | 75     | 5650.00 | 5725    | --- | --- |
|             | Ant1 | 5690 UNII-3  | 5.16   | 5725    | 5730.16 | --- | --- |
|             | Ant2 | 5690 UNII-3  | 5      | 5725    | 5730.00 | --- | --- |
| 11AC160MIMO | Ant1 | 5775         | 80.16  | 5735.00 | 5815.16 | --- | --- |
|             | Ant2 | 5775         | 80.32  | 5735.00 | 5815.32 | --- | --- |
|             | Ant1 | 5250         | 170.88 | 5164.56 | 5335.44 | --- | --- |
|             | Ant2 | 5250         | 168.32 | 5167.12 | 5335.44 | --- | --- |
|             | Ant1 | 5250 UNII-1  | 85.44  | 5164.56 | 5250    | --- | --- |
|             | Ant2 | 5250 UNII-1  | 82.88  | 5167.12 | 5250    | --- | --- |
|             | Ant1 | 5250 UNII-2A | 85.44  | 5250    | 5335.44 | --- | --- |
|             | Ant2 | 5250 UNII-2A | 85.44  | 5250    | 5335.44 | --- | --- |
| 11AX20MIMO  | Ant1 | 5570         | 168.32 | 5488.72 | 5657.04 | --- | --- |
|             | Ant2 | 5570         | 169.60 | 5486.48 | 5656.08 | --- | --- |
|             | Ant1 | 5180         | 29.80  | 5167.72 | 5197.52 | --- | --- |
|             | Ant2 | 5180         | 26.36  | 5167.36 | 5193.72 | --- | --- |
|             | Ant1 | 5200         | 31.84  | 5183.16 | 5215.00 | --- | --- |
|             | Ant2 | 5200         | 32.60  | 5183.24 | 5215.84 | --- | --- |
|             | Ant1 | 5240         | 19.96  | 5230.04 | 5250.00 | --- | --- |
|             | Ant2 | 5240         | 20.00  | 5229.96 | 5249.96 | --- | --- |
|             | Ant1 | 5260         | 22.44  | 5248.88 | 5271.32 | --- | --- |
|             | Ant2 | 5260         | 22.12  | 5248.96 | 5271.08 | --- | --- |
|             | Ant1 | 5280         | 22.04  | 5268.88 | 5290.92 | --- | --- |
|             | Ant2 | 5280         | 21.92  | 5268.92 | 5290.84 | --- | --- |
|             | Ant1 | 5320         | 28.80  | 5304.36 | 5333.16 | --- | --- |
|             | Ant2 | 5320         | 25.76  | 5307.32 | 5333.08 | --- | --- |
|             | Ant1 | 5500         | 27.76  | 5486.92 | 5514.68 | --- | --- |
|             | Ant2 | 5500         | 28.40  | 5486.28 | 5514.68 | --- | --- |
|             | Ant1 | 5580         | 22.32  | 5568.72 | 5591.04 | --- | --- |
|             | Ant2 | 5580         | 22.60  | 5568.64 | 5591.24 | --- | --- |
|             | Ant1 | 5700         | 28.08  | 5683.12 | 5711.20 | --- | --- |
|             | Ant2 | 5700         | 28.44  | 5683.36 | 5711.80 | --- | --- |
|             | Ant1 | 5720         | 22.20  | 5708.92 | 5731.12 | --- | --- |
|             | Ant2 | 5720         | 22.32  | 5708.84 | 5731.16 | --- | --- |
|             | Ant1 | 5720 UNII-2C | 16.08  | 5708.92 | 5725    | --- | --- |

|             |      |              |        |         |         |     |     |
|-------------|------|--------------|--------|---------|---------|-----|-----|
|             | Ant2 | 5720 UNII-2C | 16.16  | 5708.84 | 5725    | --- | --- |
|             | Ant1 | 5720 UNII-3  | 6.12   | 5725    | 5731.12 | --- | --- |
|             | Ant2 | 5720 UNII-3  | 6.16   | 5725    | 5731.16 | --- | --- |
|             | Ant1 | 5745         | 25.76  | 5733.52 | 5759.28 | --- | --- |
|             | Ant2 | 5745         | 25.92  | 5733.64 | 5759.56 | --- | --- |
|             | Ant1 | 5785         | 22.48  | 5773.76 | 5796.24 | --- | --- |
|             | Ant2 | 5785         | 22.24  | 5773.92 | 5796.16 | --- | --- |
|             | Ant1 | 5825         | 28.20  | 5809.20 | 5837.40 | --- | --- |
| 11AX40MIMO  | Ant2 | 5825         | 27.08  | 5809.68 | 5836.76 | --- | --- |
|             | Ant1 | 5190         | 51.76  | 5166.64 | 5218.40 | --- | --- |
|             | Ant2 | 5190         | 45.92  | 5168.96 | 5214.88 | --- | --- |
|             | Ant1 | 5230         | 39.92  | 5210.00 | 5249.92 | --- | --- |
|             | Ant2 | 5230         | 39.84  | 5210.08 | 5249.92 | --- | --- |
|             | Ant1 | 5270         | 39.76  | 5250.16 | 5289.92 | --- | --- |
|             | Ant2 | 5270         | 39.76  | 5250.16 | 5289.92 | --- | --- |
|             | Ant1 | 5310         | 54.16  | 5279.04 | 5333.20 | --- | --- |
|             | Ant2 | 5310         | 51.52  | 5282.80 | 5334.32 | --- | --- |
|             | Ant1 | 5510         | 45.12  | 5487.92 | 5533.04 | --- | --- |
|             | Ant2 | 5510         | 49.36  | 5487.04 | 5536.40 | --- | --- |
|             | Ant1 | 5550         | 39.68  | 5530.16 | 5569.84 | --- | --- |
|             | Ant2 | 5550         | 39.92  | 5530.08 | 5570.00 | --- | --- |
|             | Ant1 | 5670         | 56.56  | 5640.88 | 5697.44 | --- | --- |
|             | Ant2 | 5670         | 56.88  | 5643.04 | 5699.92 | --- | --- |
|             | Ant1 | 5710         | 39.84  | 5690.08 | 5729.92 | --- | --- |
|             | Ant2 | 5710         | 39.92  | 5690.08 | 5730.00 | --- | --- |
|             | Ant1 | 5710 UNII-2C | 34.92  | 5690.08 | 5725    | --- | --- |
|             | Ant2 | 5710 UNII-2C | 34.92  | 5690.08 | 5725    | --- | --- |
|             | Ant1 | 5710 UNII-3  | 4.92   | 5725    | 5729.92 | --- | --- |
|             | Ant2 | 5710 UNII-3  | 5      | 5725    | 5730.00 | --- | --- |
|             | Ant1 | 5755         | 45.76  | 5735.08 | 5780.84 | --- | --- |
|             | Ant2 | 5755         | 51.52  | 5734.52 | 5786.04 | --- | --- |
|             | Ant1 | 5795         | 41.04  | 5774.36 | 5815.40 | --- | --- |
|             | Ant2 | 5795         | 40.64  | 5774.68 | 5815.32 | --- | --- |
| 11AX80MIMO  | Ant1 | 5210         | 107.84 | 5163.28 | 5271.12 | --- | --- |
|             | Ant2 | 5210         | 106.56 | 5163.44 | 5270.00 | --- | --- |
|             | Ant1 | 5290         | 110.72 | 5225.84 | 5336.56 | --- | --- |
|             | Ant2 | 5290         | 108.32 | 5227.28 | 5335.60 | --- | --- |
|             | Ant1 | 5530         | 113.12 | 5483.76 | 5596.88 | --- | --- |
|             | Ant2 | 5530         | 117.76 | 5484.24 | 5602.00 | --- | --- |
|             | Ant1 | 5610         | 80.32  | 5569.84 | 5650.16 | --- | --- |
|             | Ant2 | 5610         | 80.00  | 5570.00 | 5650.00 | --- | --- |
|             | Ant1 | 5690         | 80.64  | 5649.68 | 5730.32 | --- | --- |
|             | Ant2 | 5690         | 80.80  | 5649.68 | 5730.48 | --- | --- |
|             | Ant1 | 5690 UNII-2C | 75.32  | 5649.68 | 5725    | --- | --- |
|             | Ant2 | 5690 UNII-2C | 75.32  | 5649.68 | 5725    | --- | --- |
|             | Ant1 | 5690 UNII-3  | 5.32   | 5725    | 5730.32 | --- | --- |
|             | Ant2 | 5690 UNII-3  | 5.48   | 5725    | 5730.48 | --- | --- |
|             | Ant1 | 5775         | 80.16  | 5734.84 | 5815.00 | --- | --- |
|             | Ant2 | 5775         | 80.16  | 5734.84 | 5815.00 | --- | --- |
| 11AX160MIMO | Ant1 | 5250         | 166.08 | 5166.16 | 5332.24 | --- | --- |
|             | Ant2 | 5250         | 164.48 | 5167.44 | 5331.92 | --- | --- |
|             | Ant1 | 5250 UNII-1  | 83.84  | 5166.16 | 5250    | --- | --- |
|             | Ant2 | 5250 UNII-1  | 82.56  | 5167.44 | 5250    | --- | --- |
|             | Ant1 | 5250 UNII-2A | 82.24  | 5250    | 5332.24 | --- | --- |
|             | Ant2 | 5250 UNII-2A | 81.92  | 5250    | 5331.92 | --- | --- |
|             | Ant1 | 5570         | 163.84 | 5488.72 | 5652.56 | --- | --- |
|             | Ant2 | 5570         | 167.68 | 5485.52 | 5653.20 | --- | --- |

4.5. Test graphs

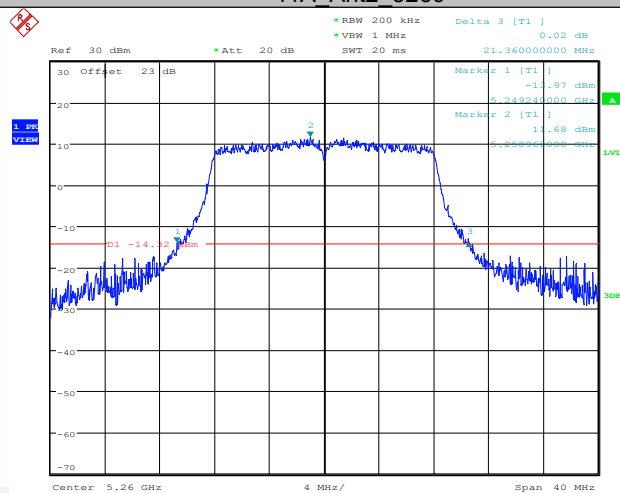






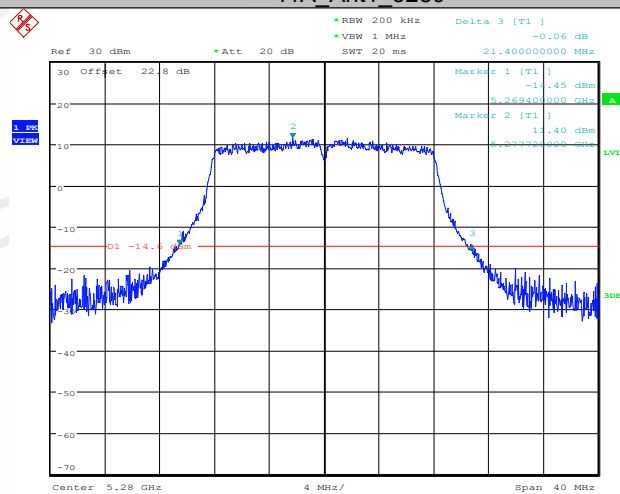
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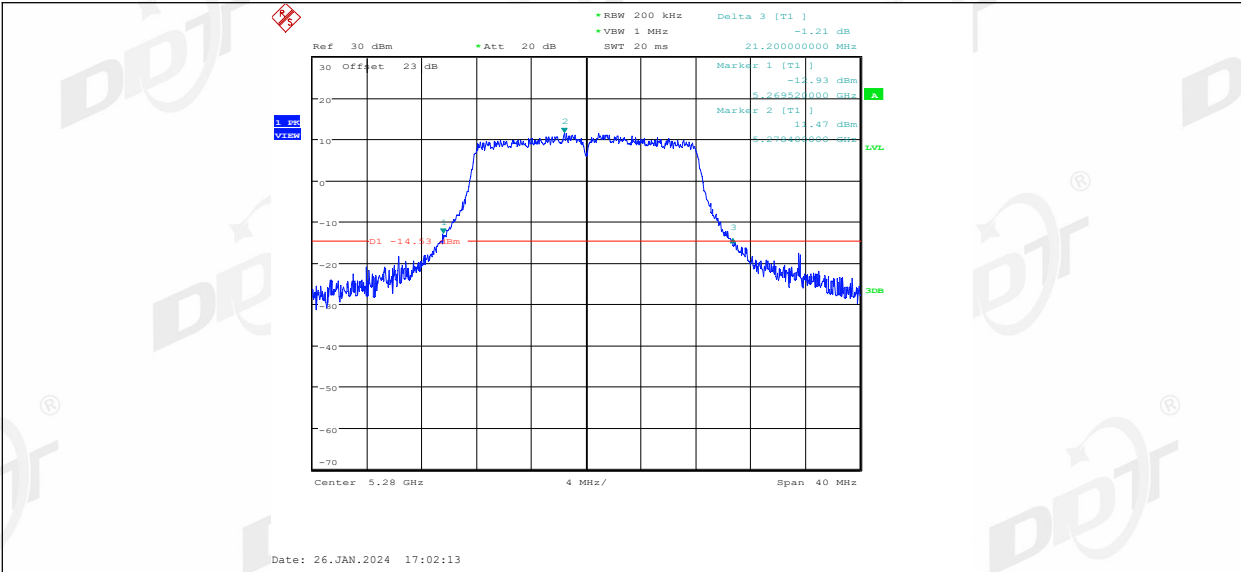
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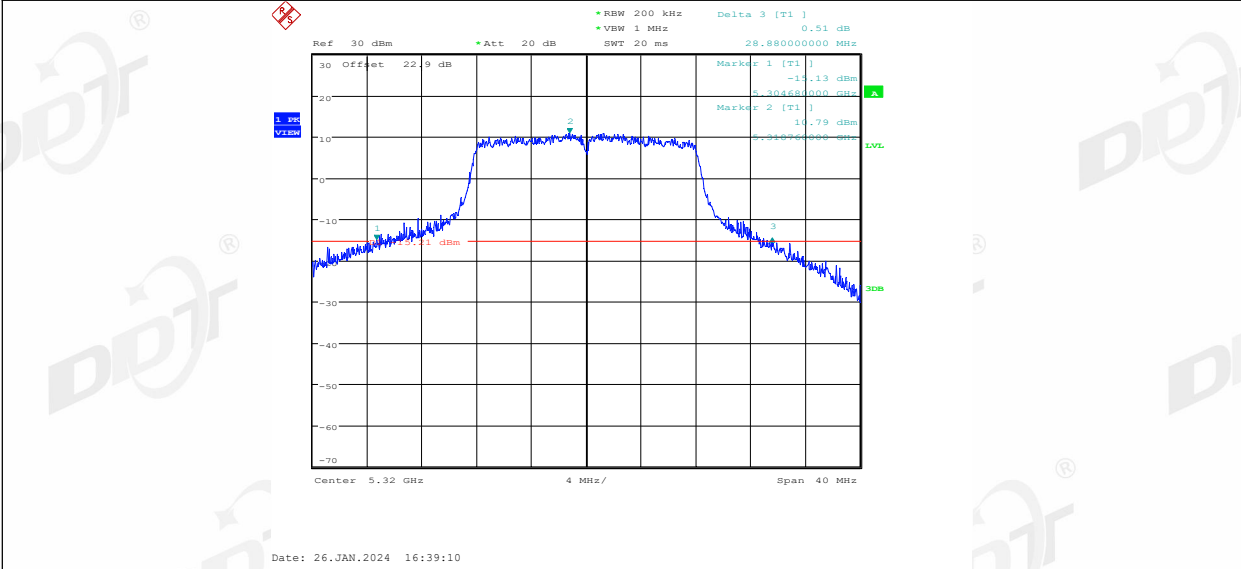


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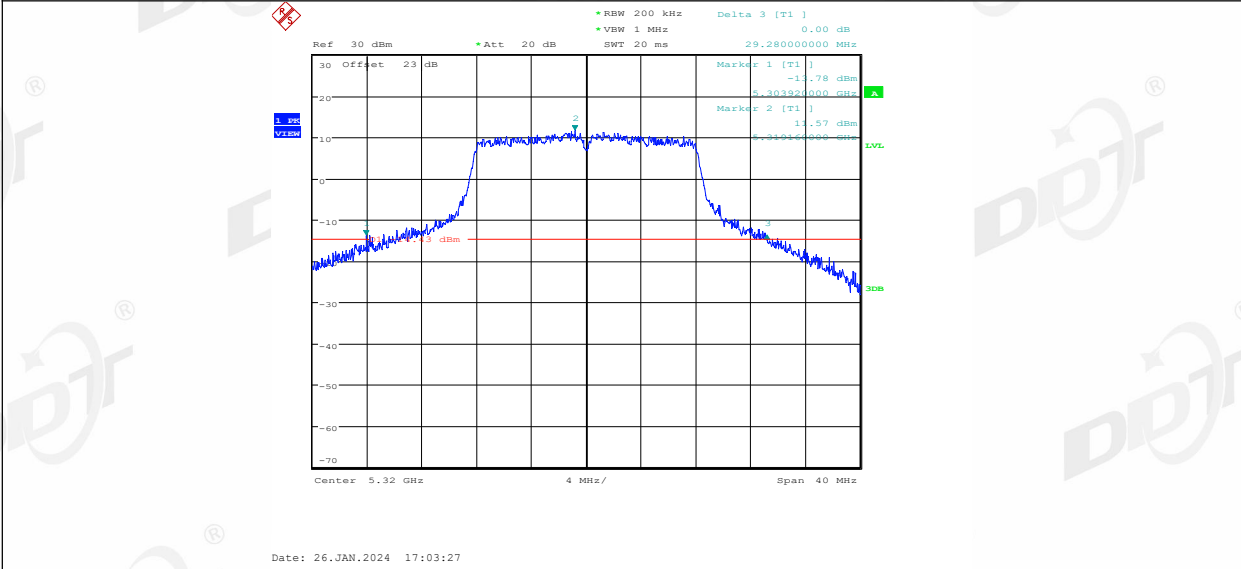
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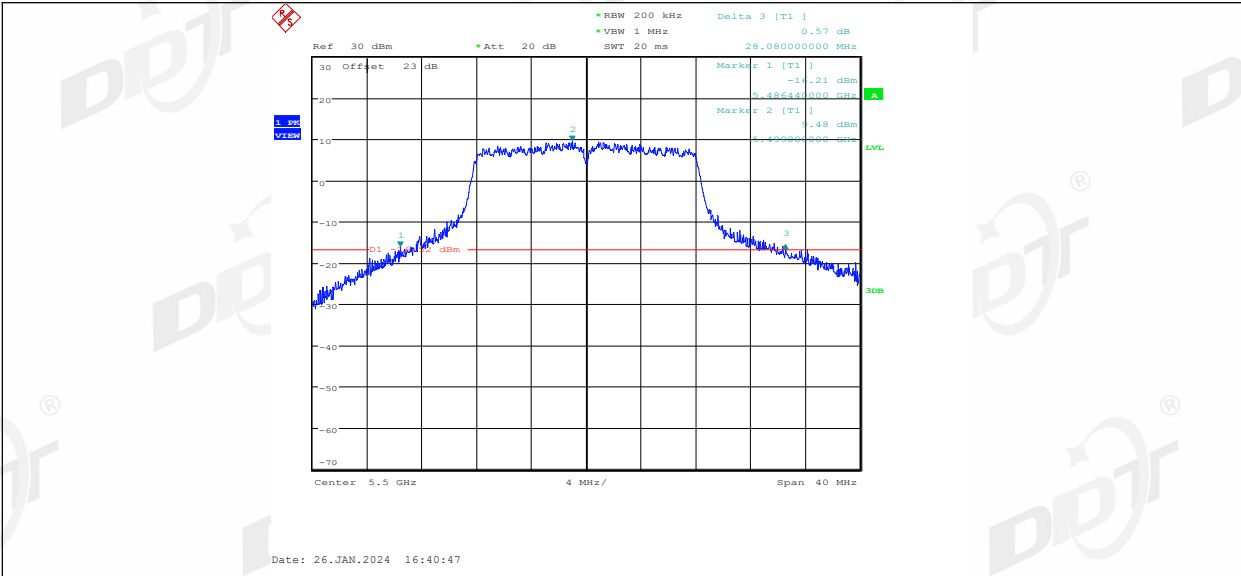
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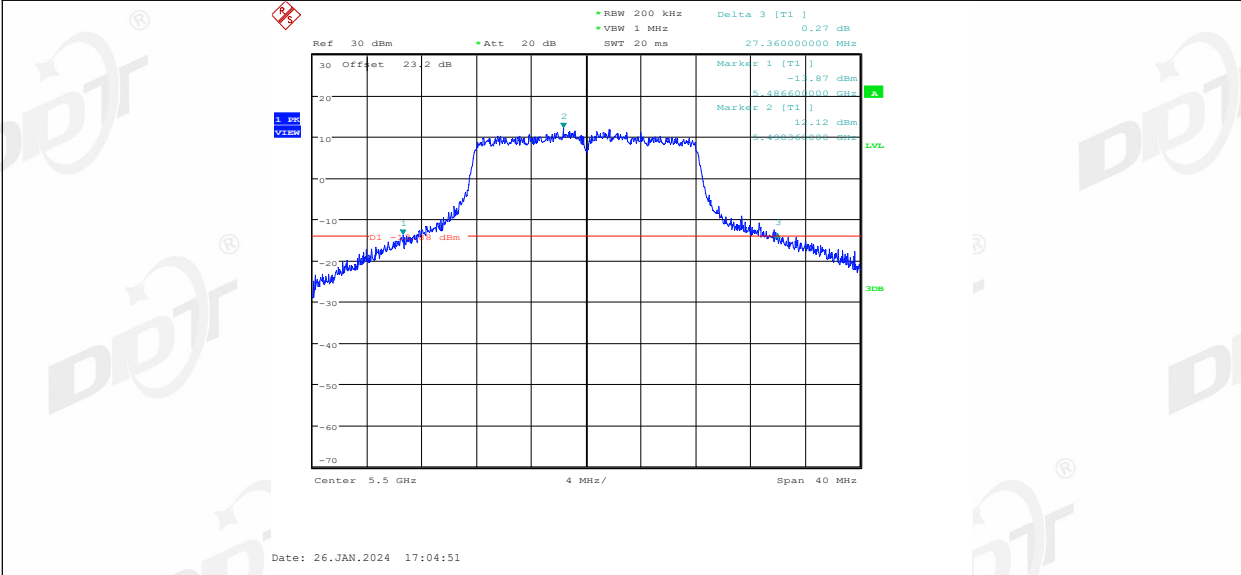
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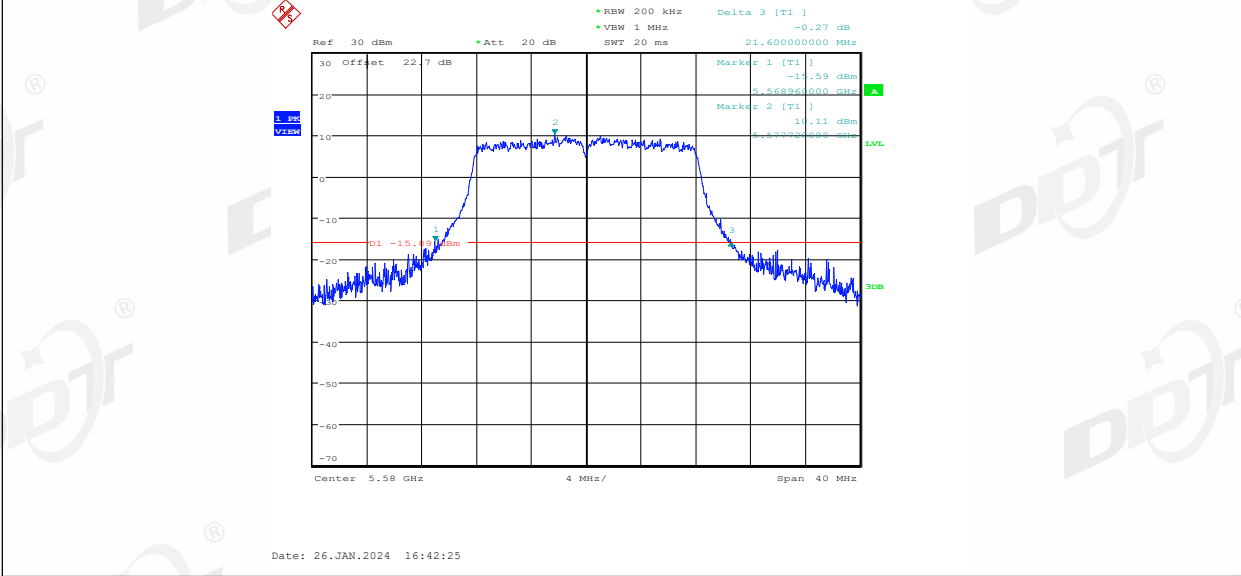
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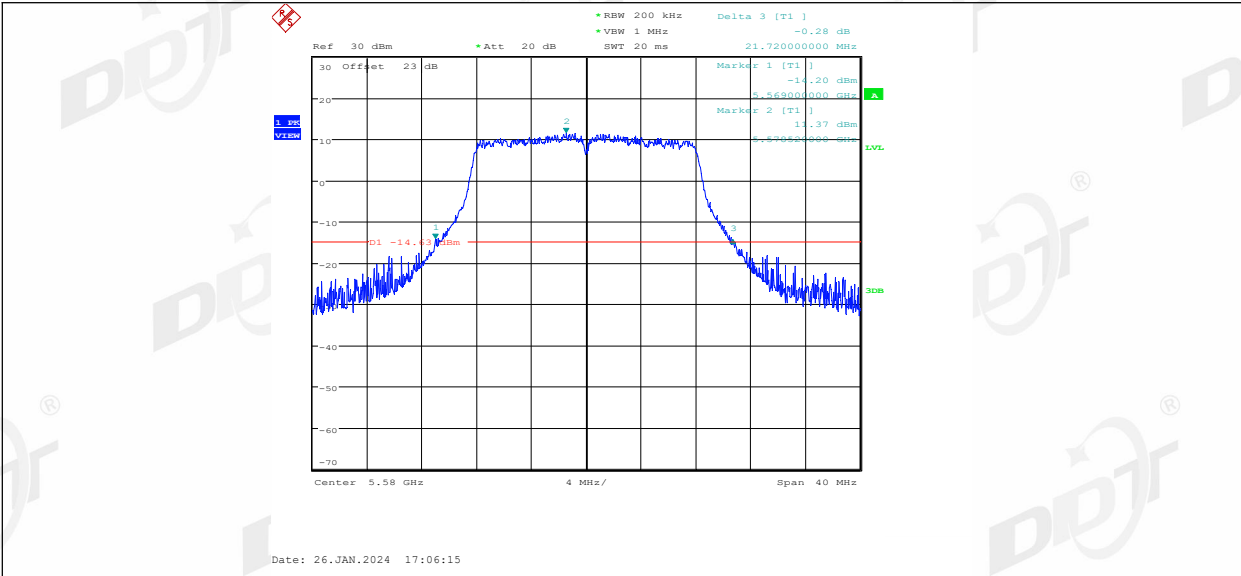
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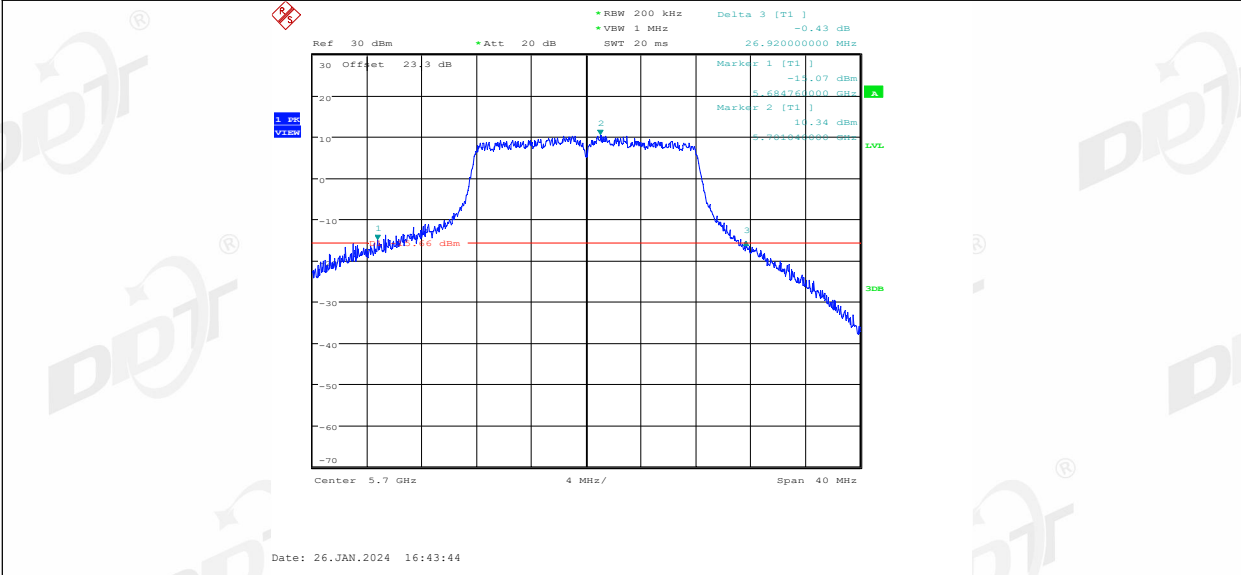
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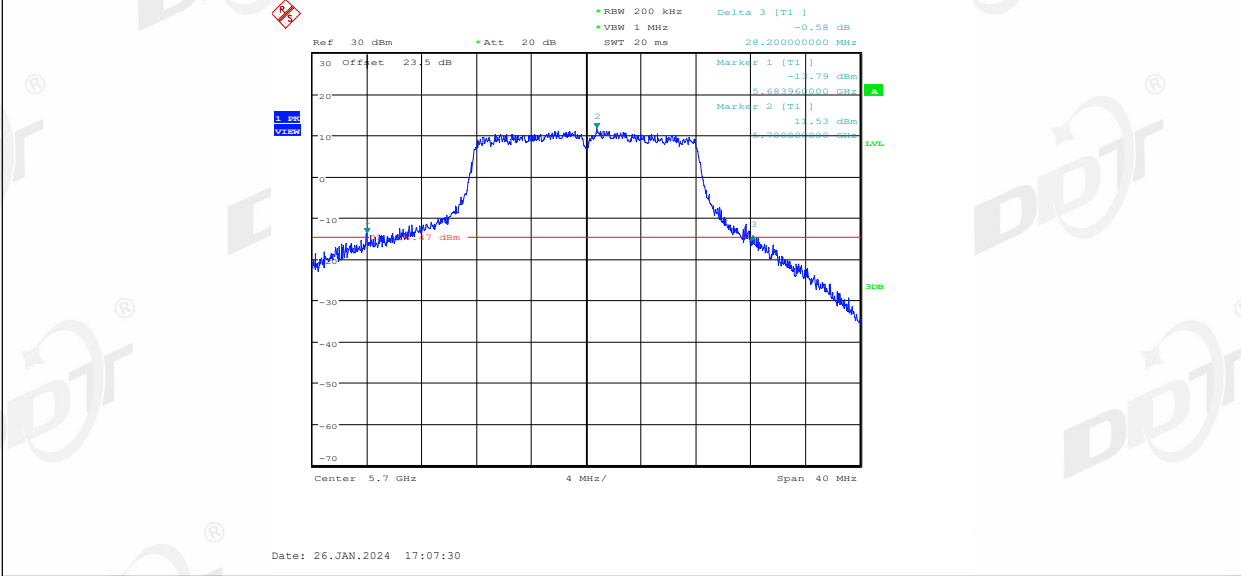
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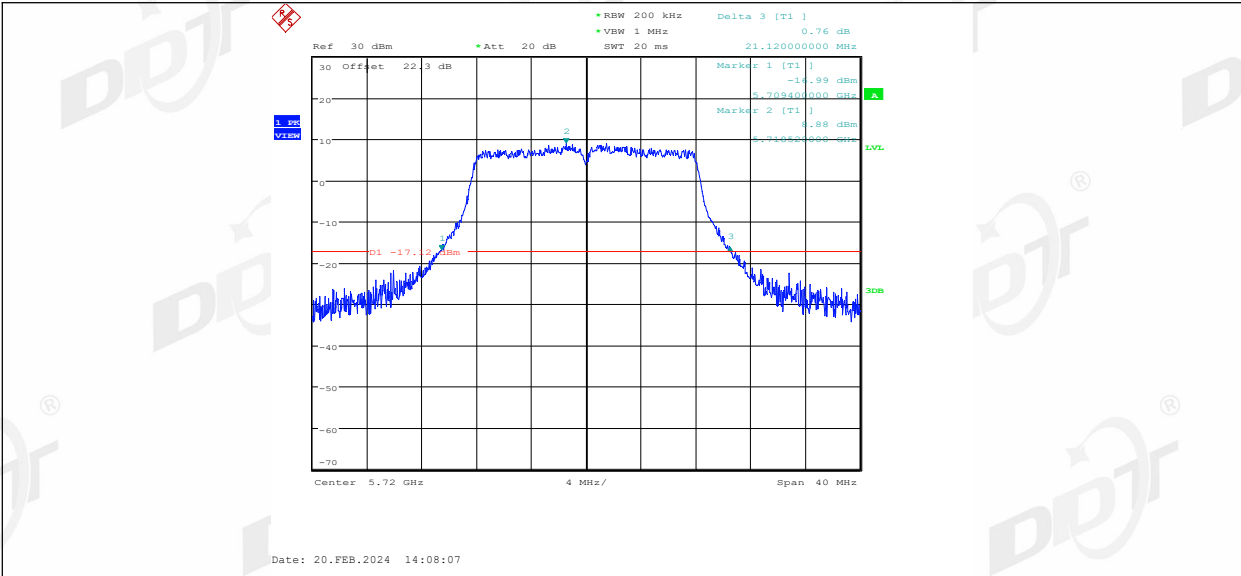
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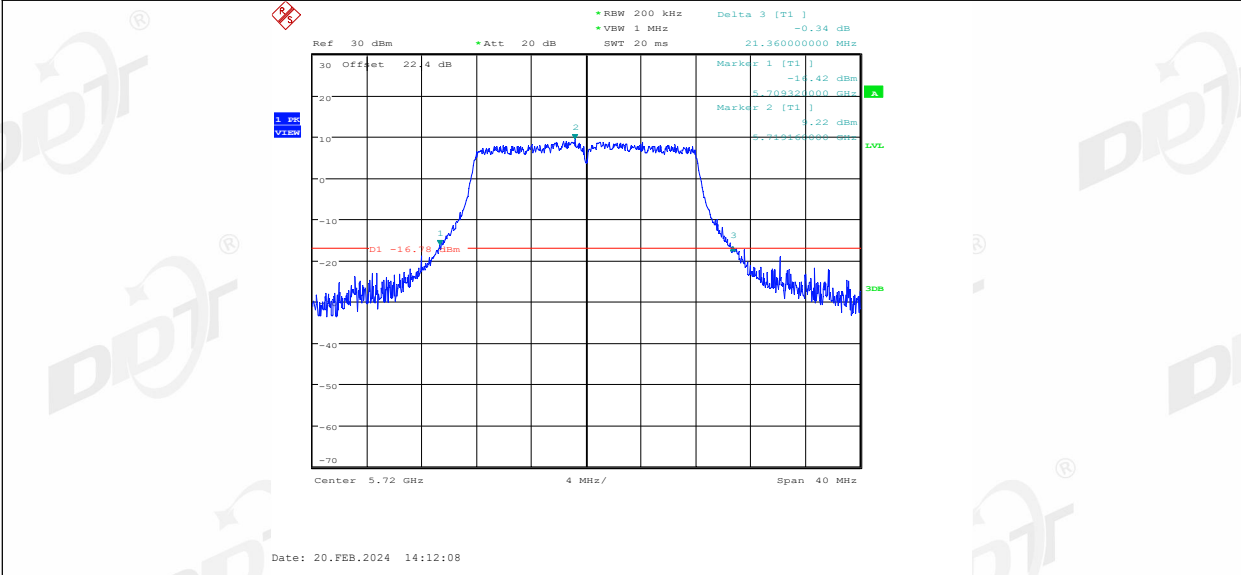
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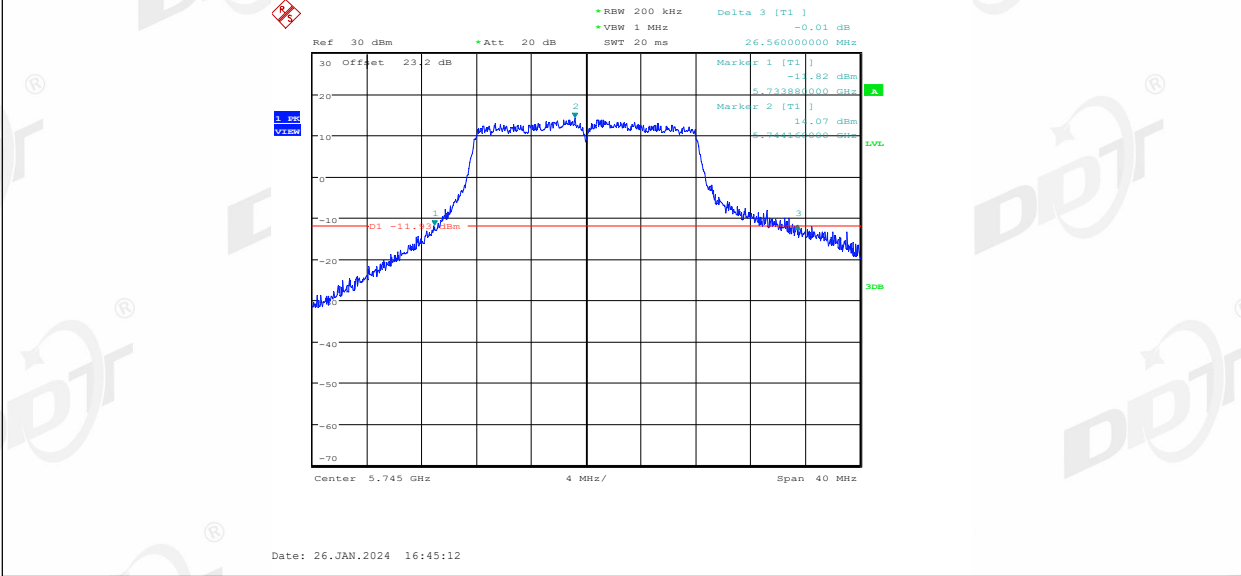
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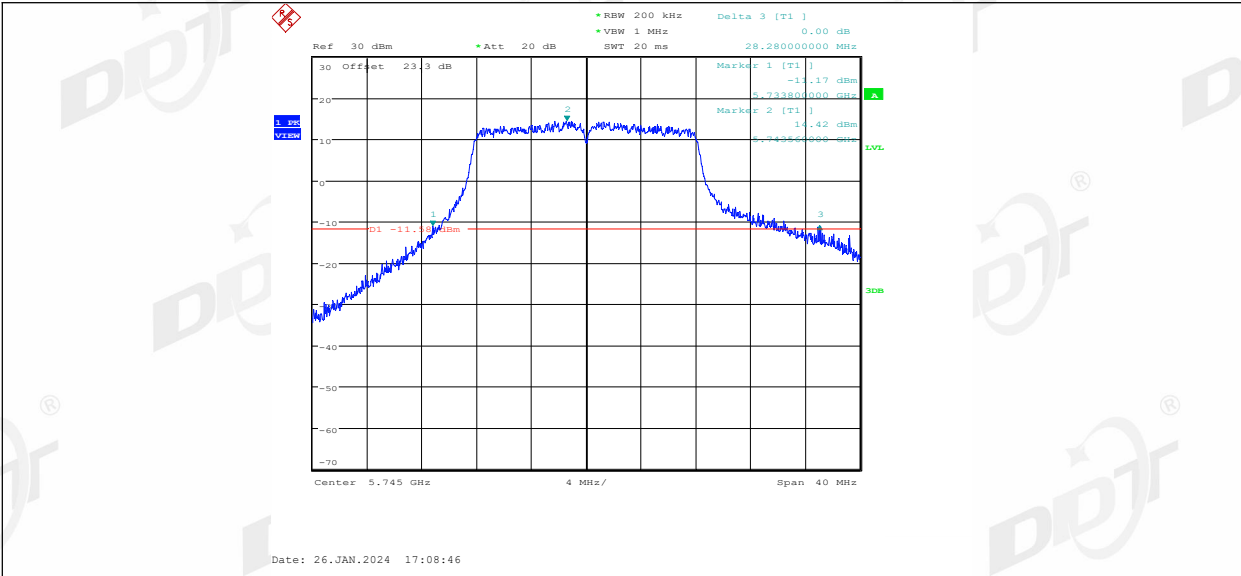
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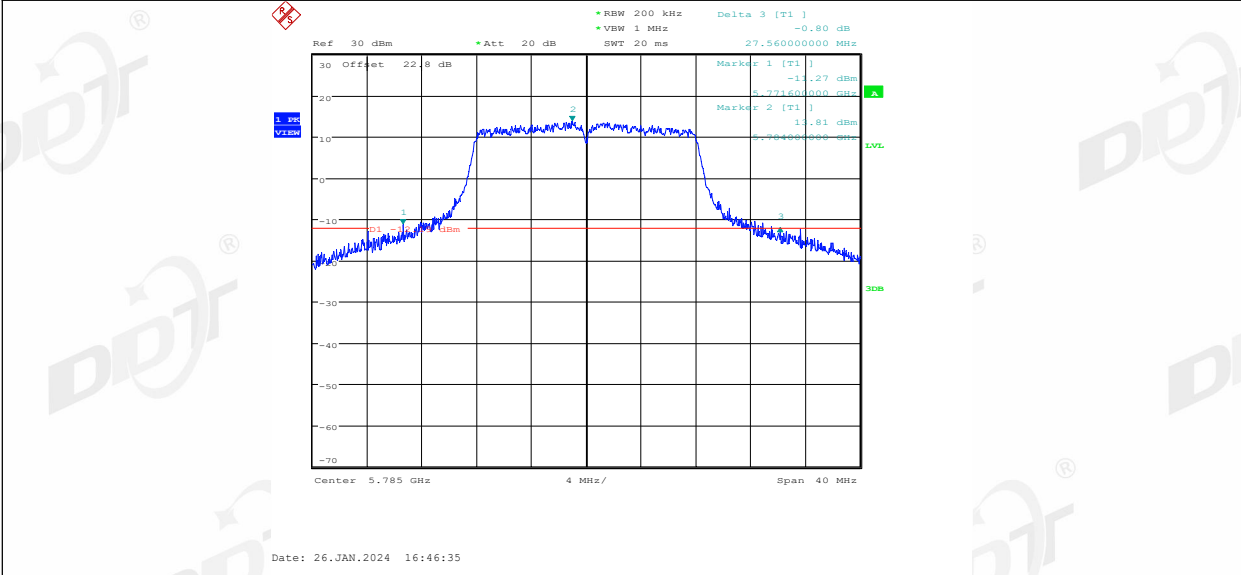
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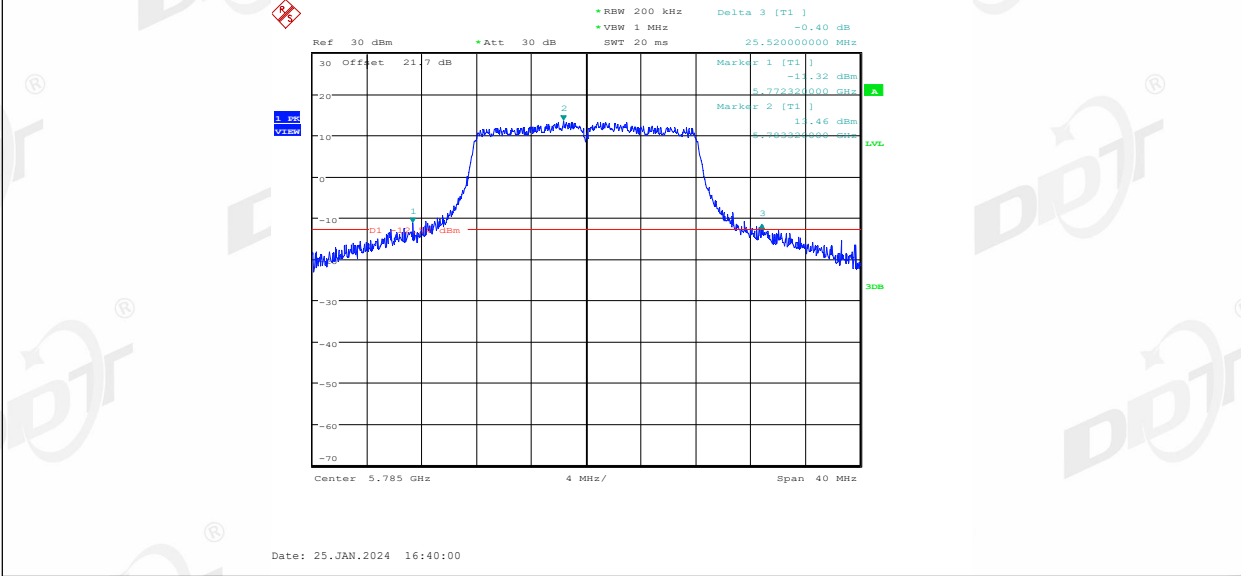
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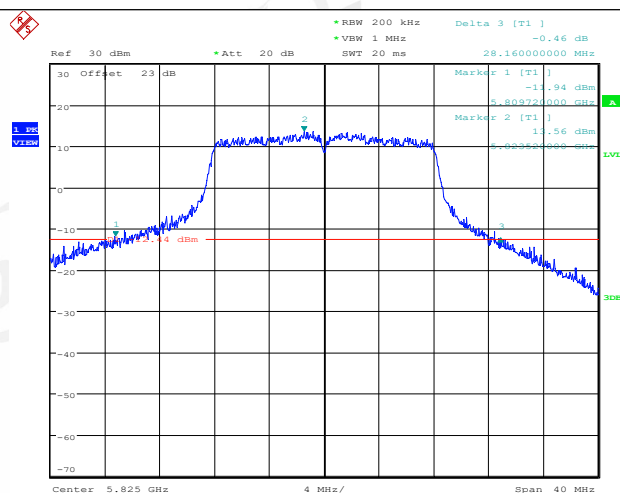
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11A\_Ant2\_5785

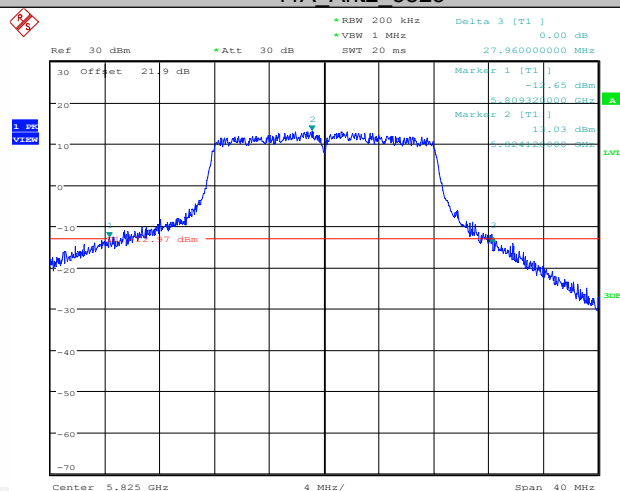


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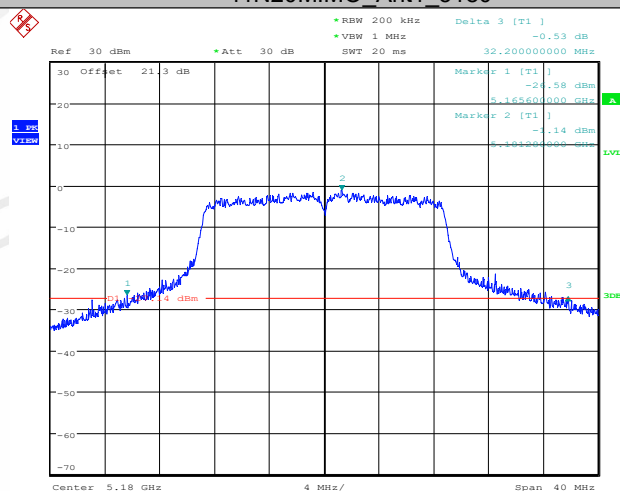
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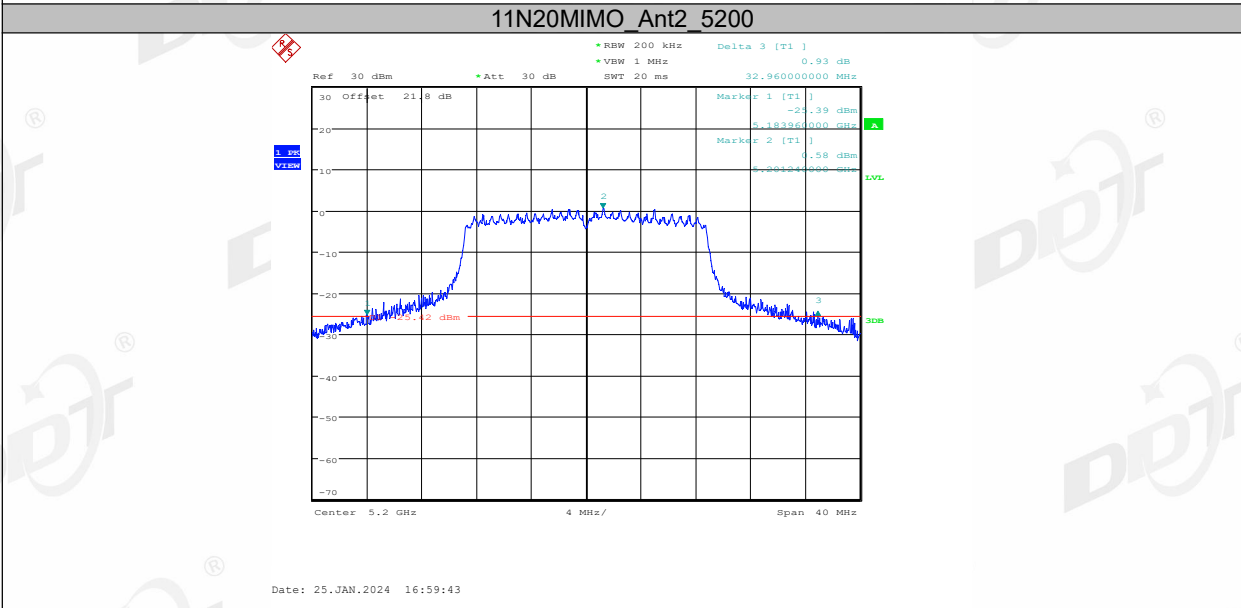
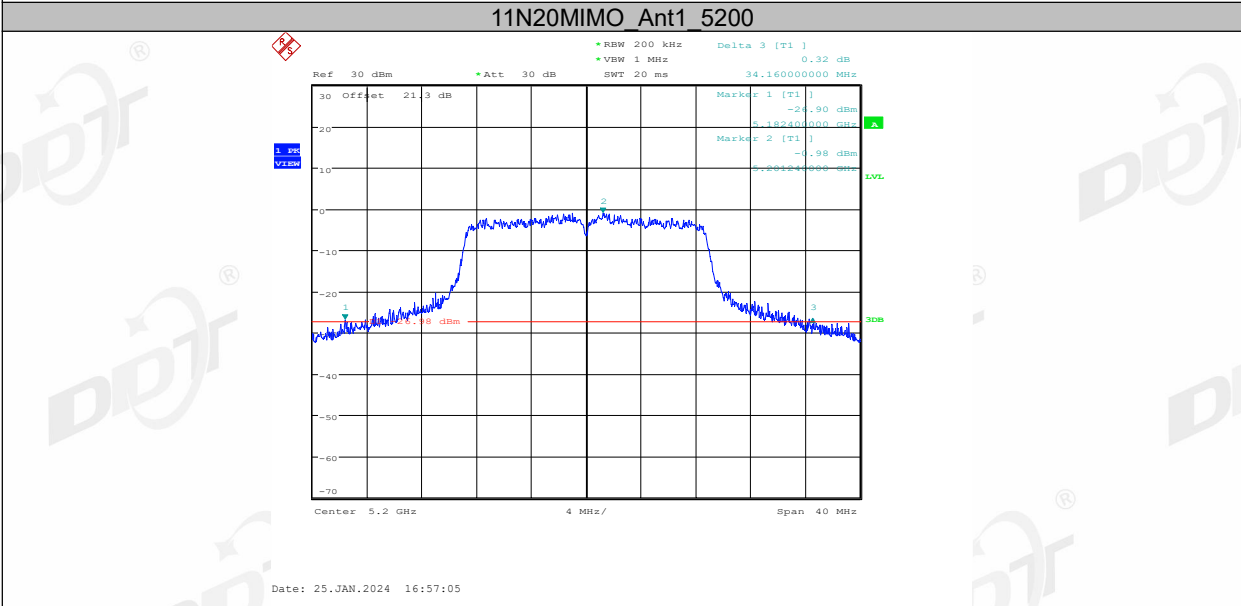
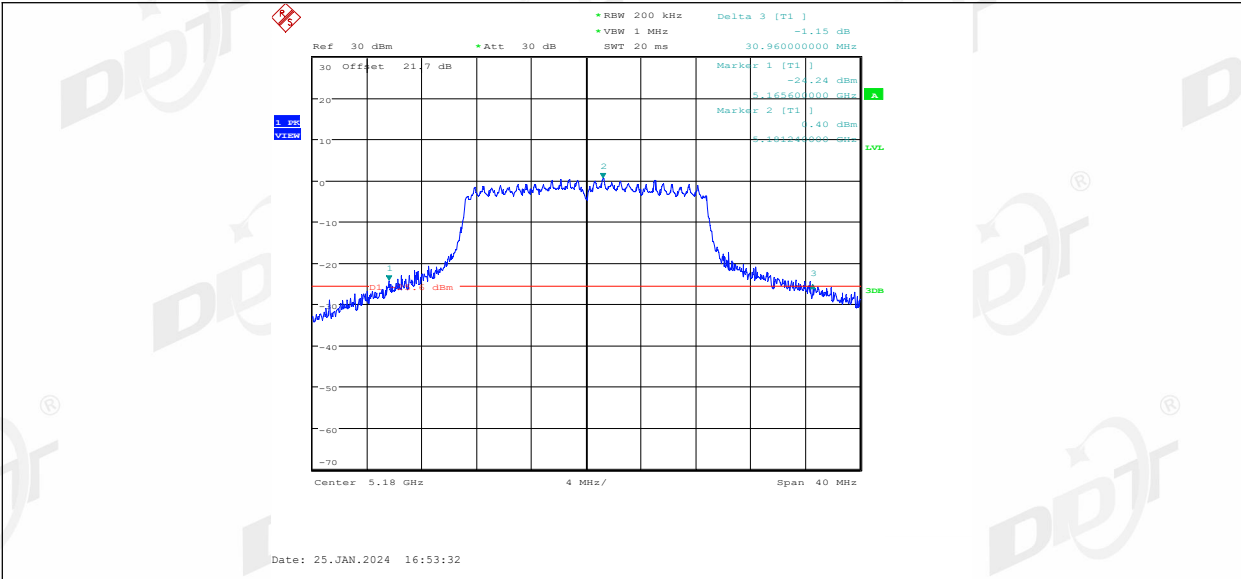
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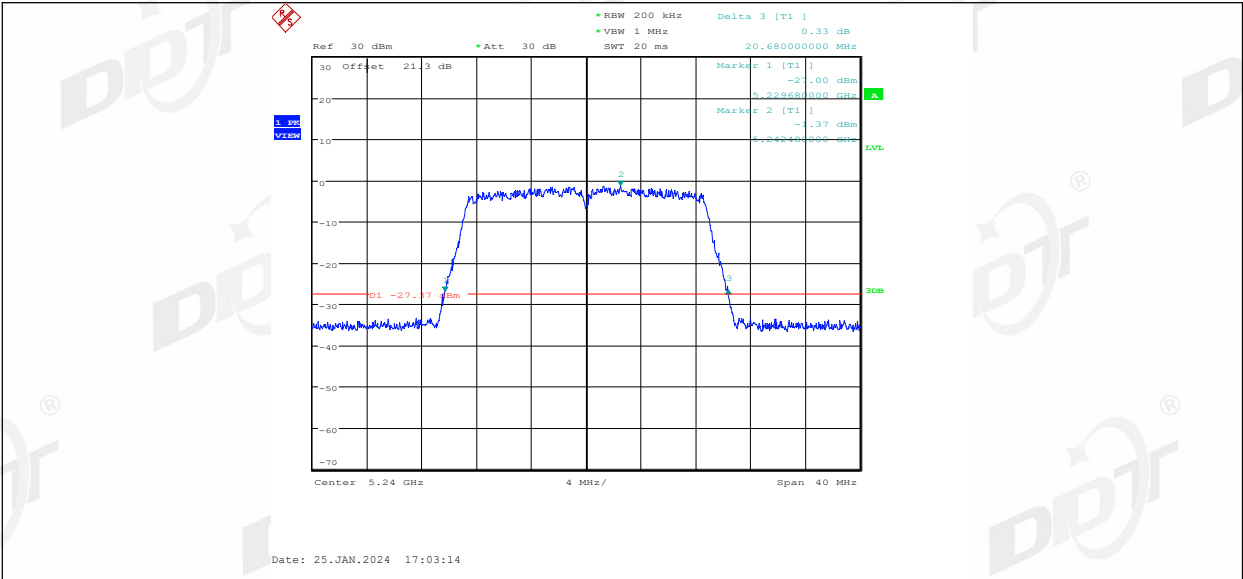
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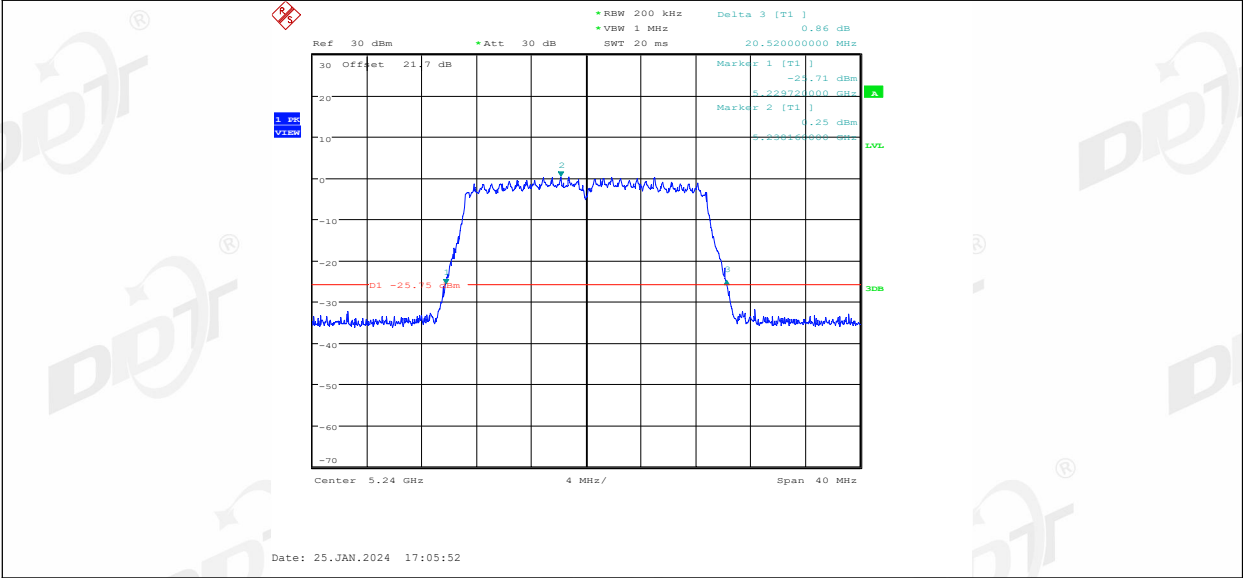
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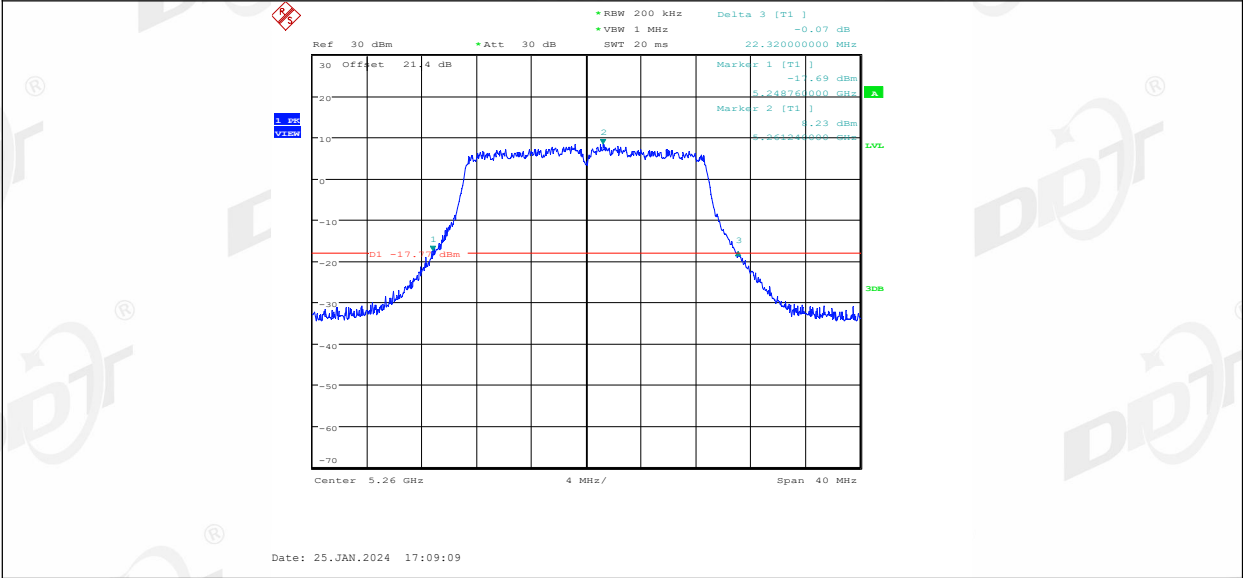




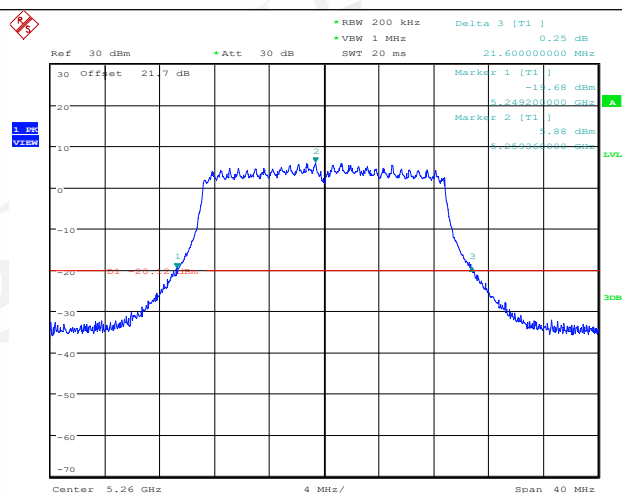
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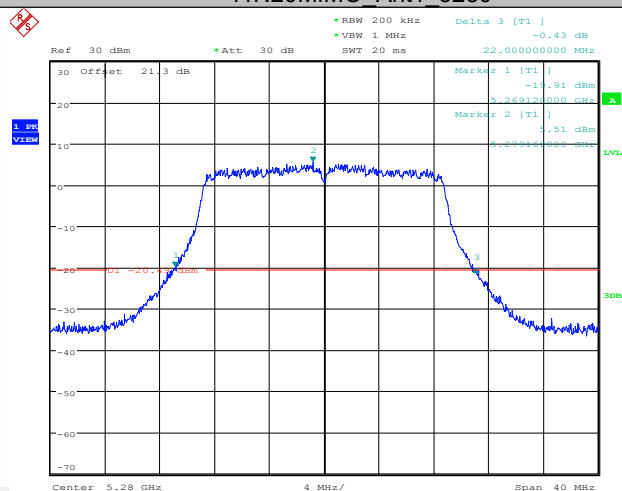


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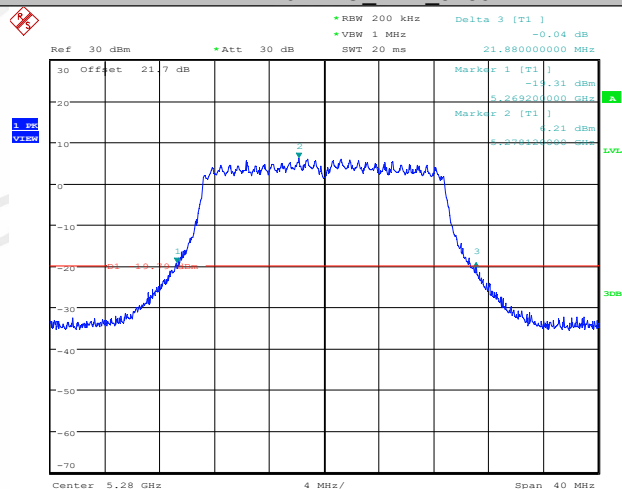
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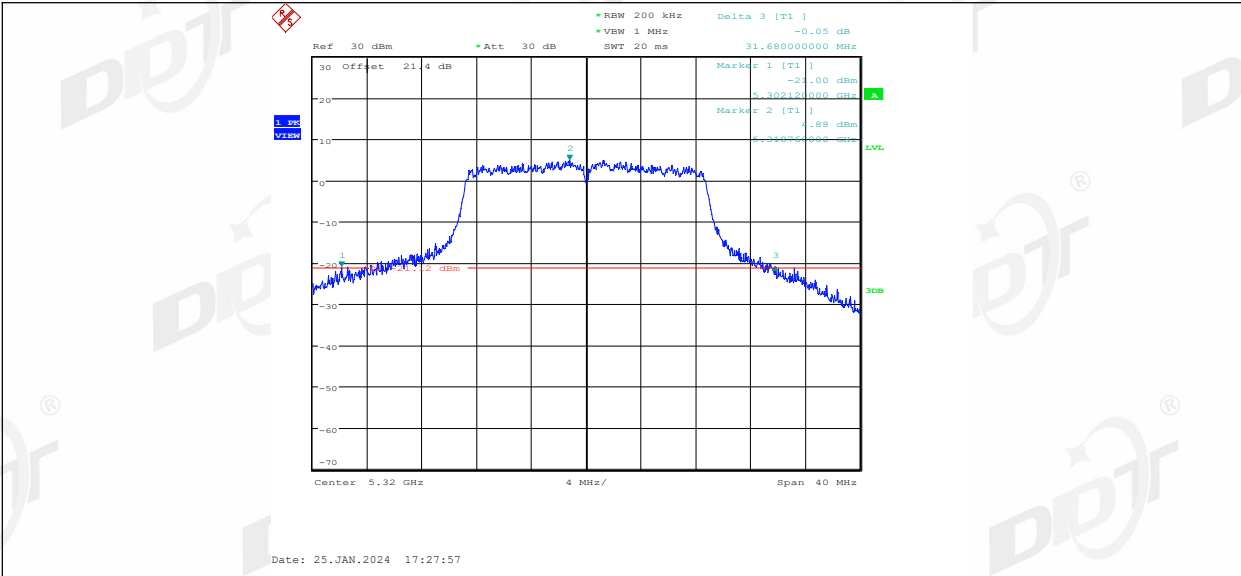
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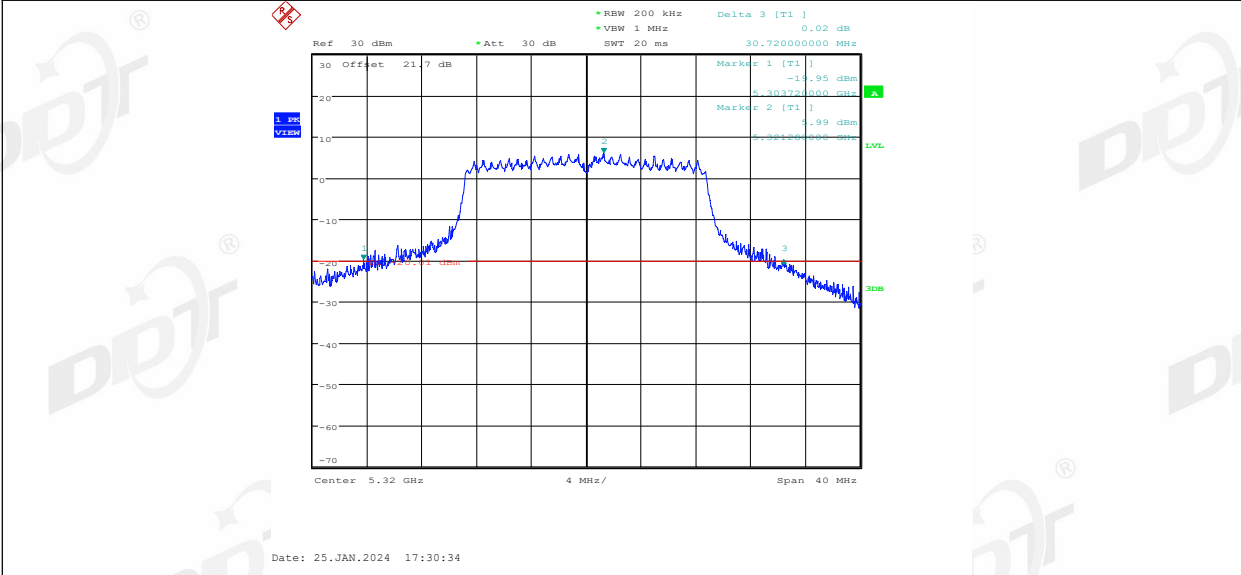


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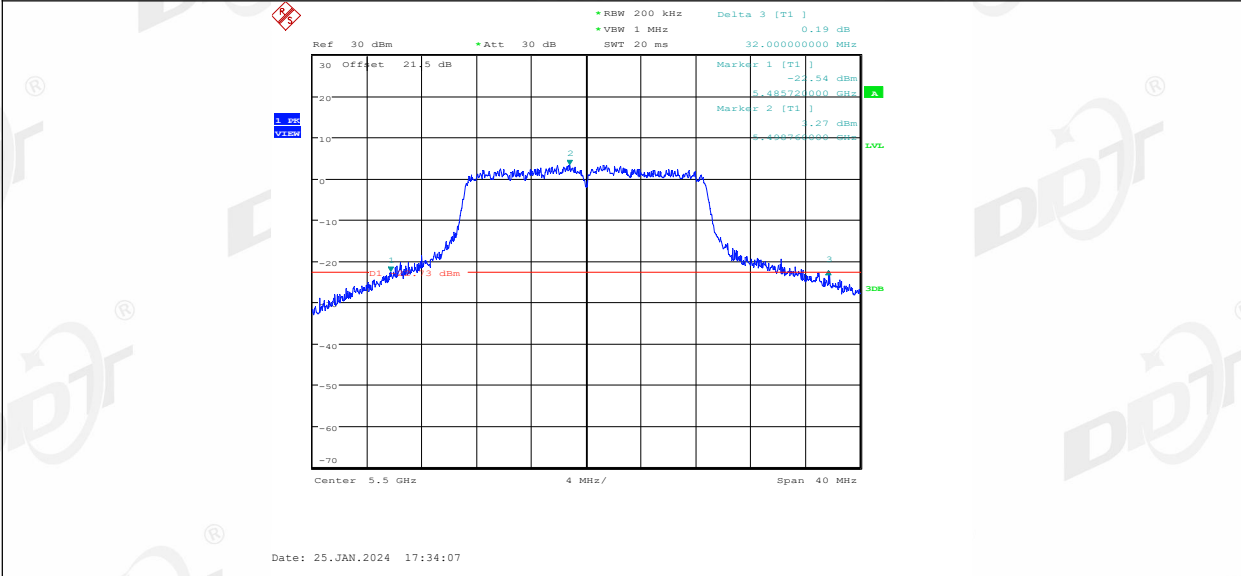
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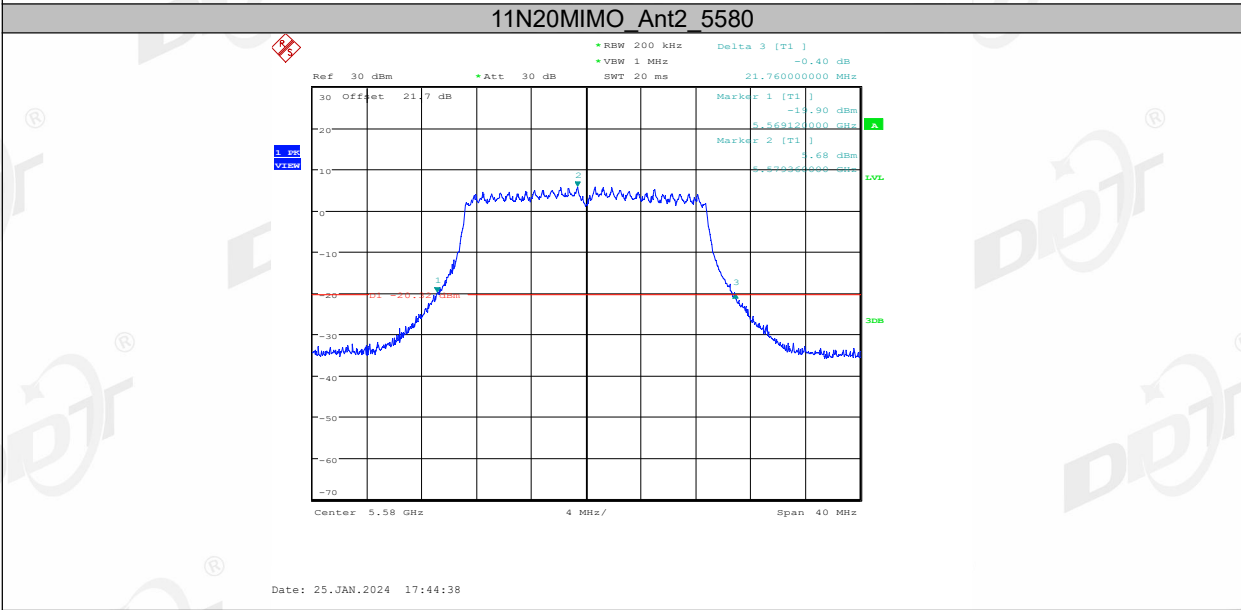
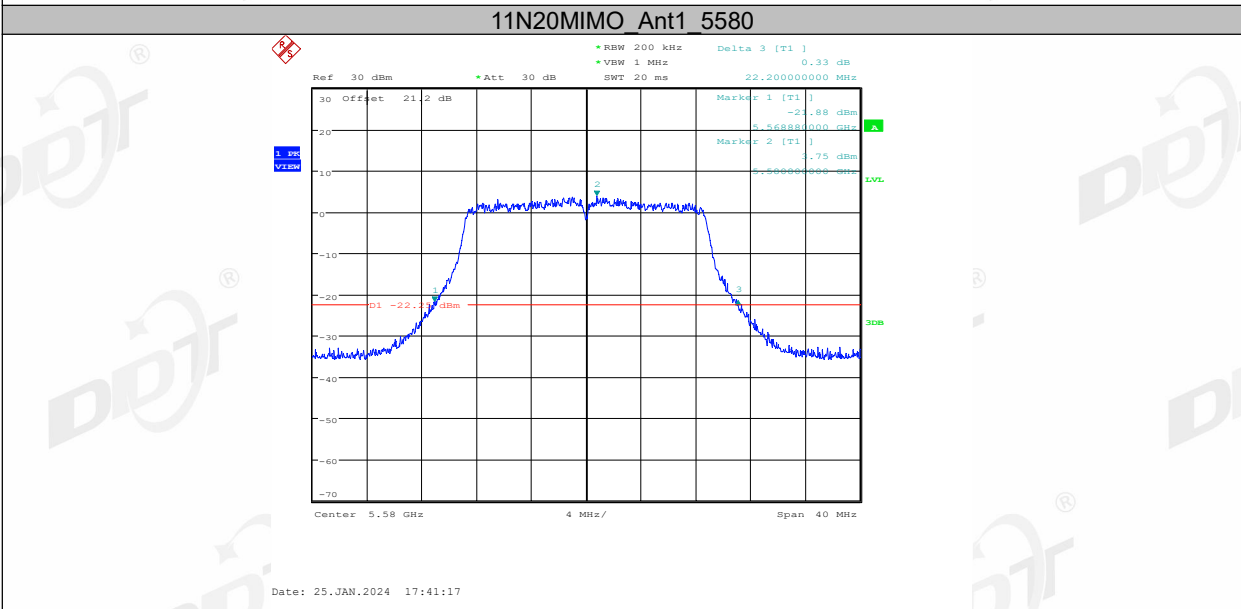
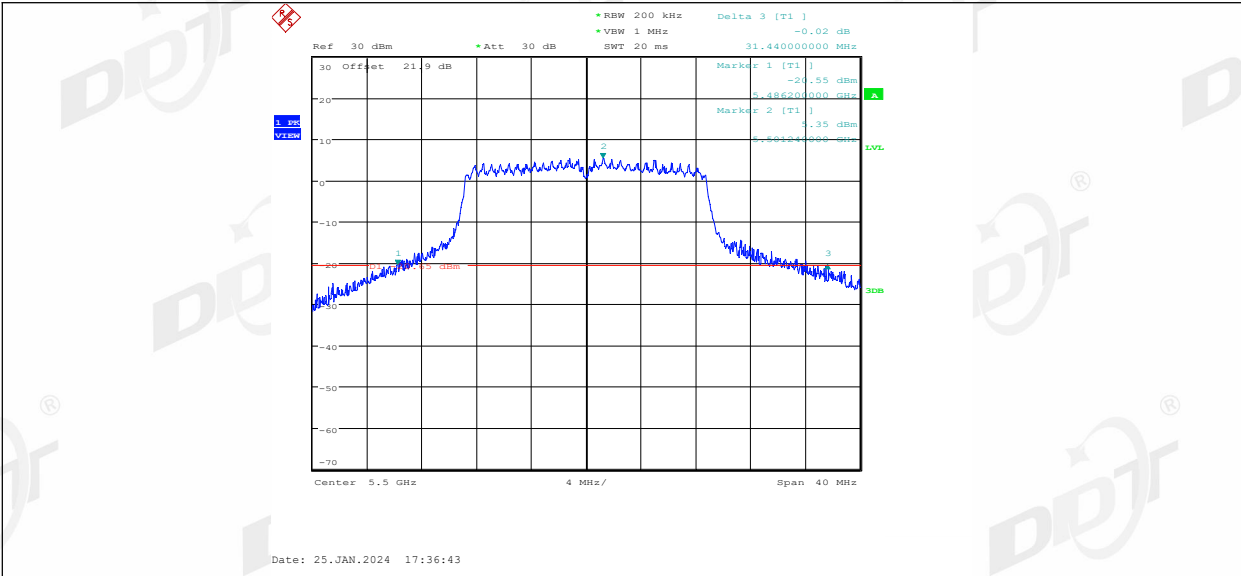
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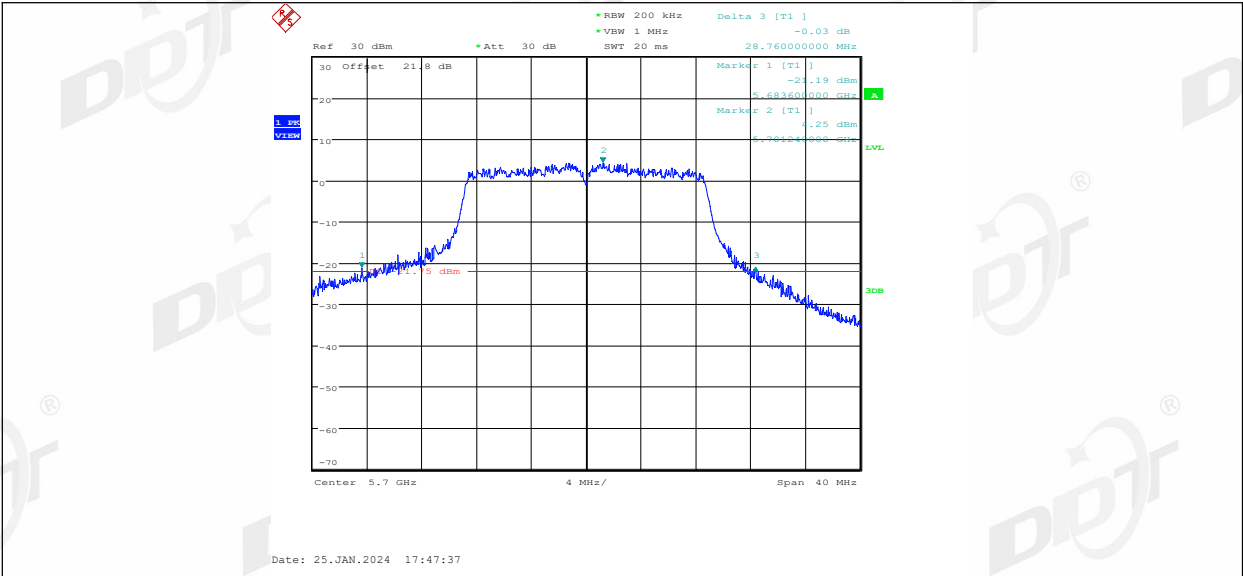


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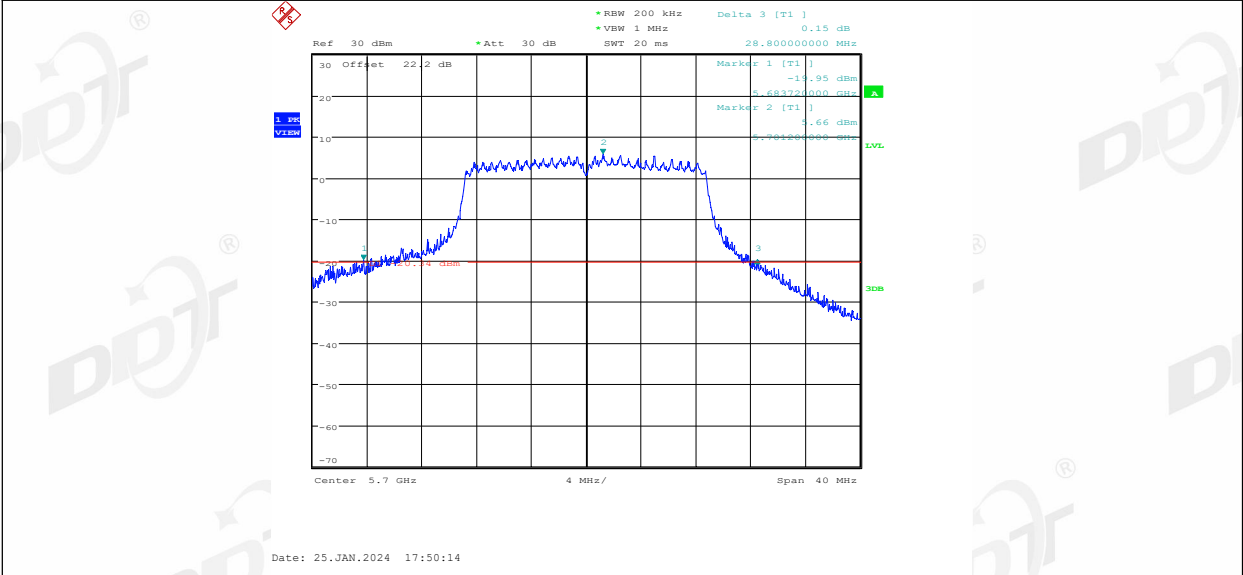


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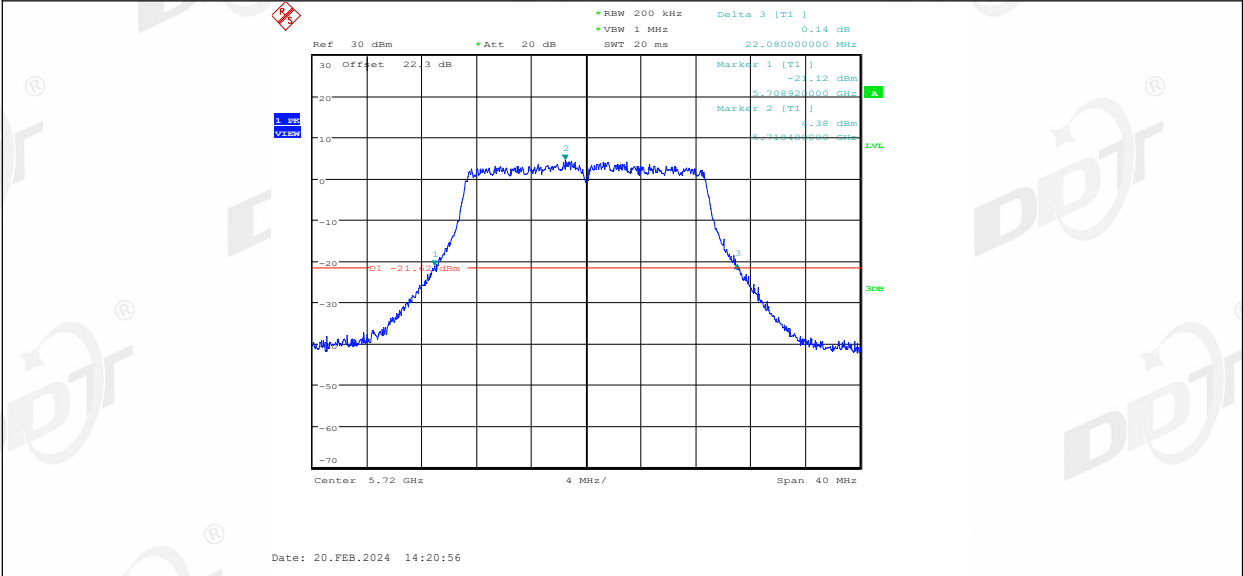




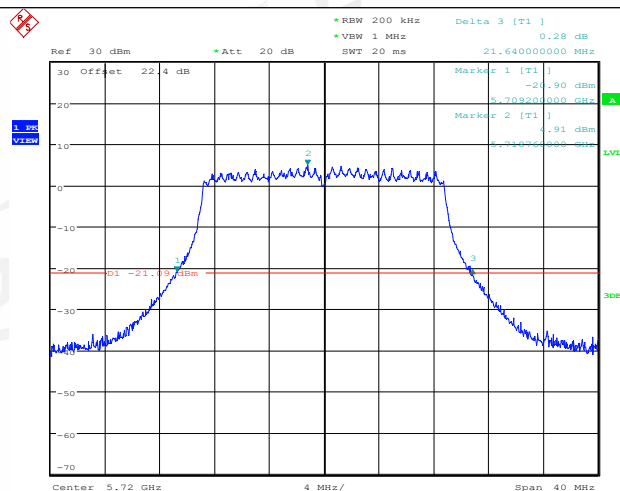
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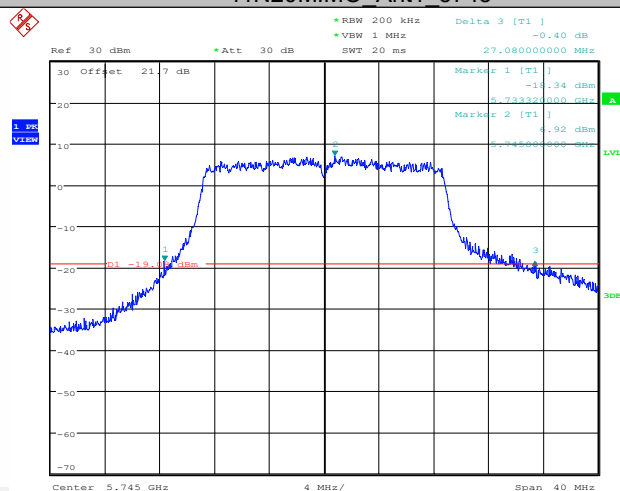


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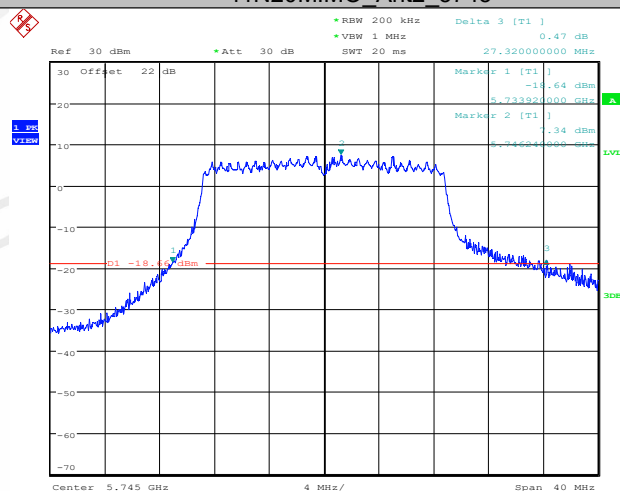
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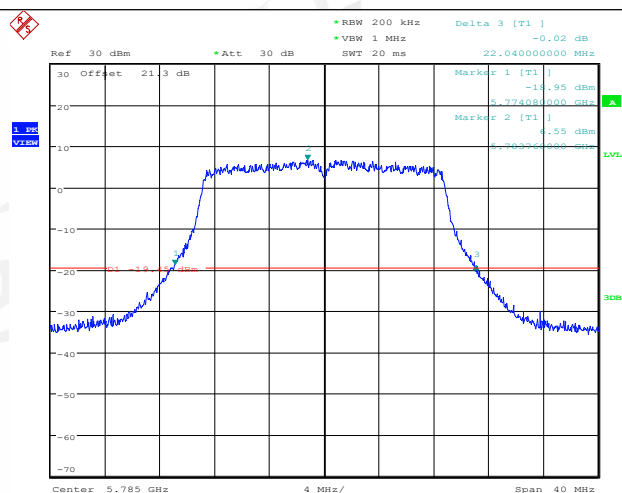
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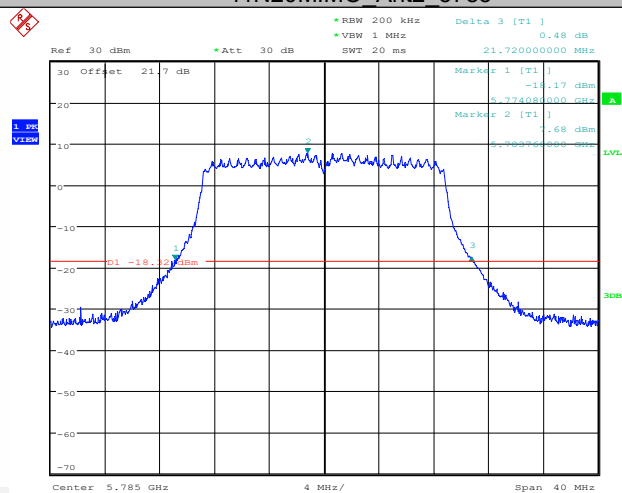
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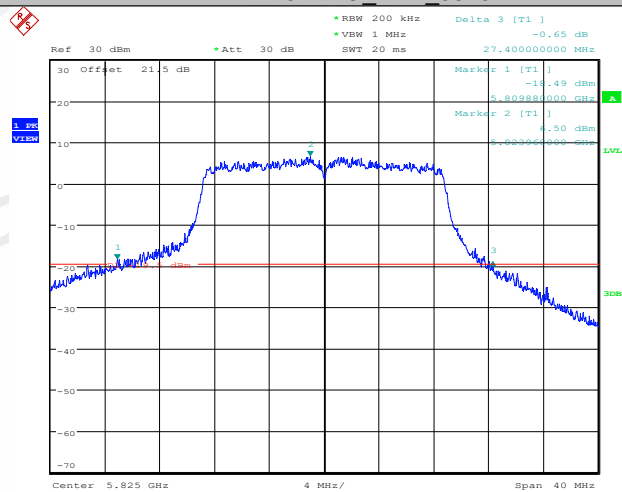
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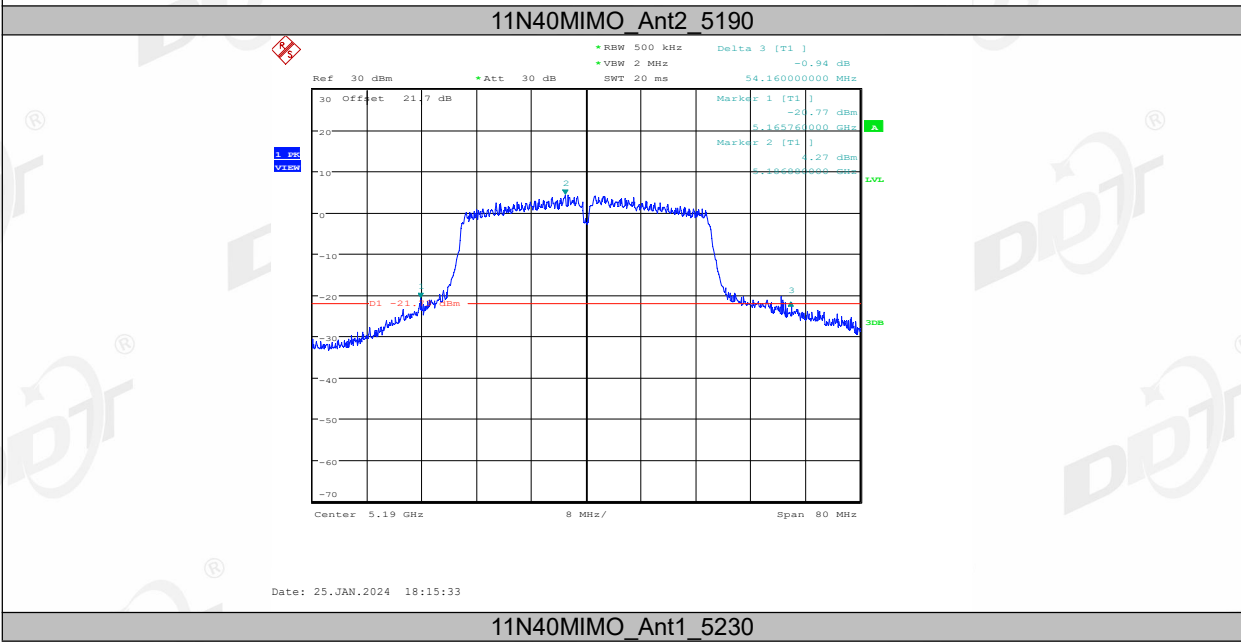
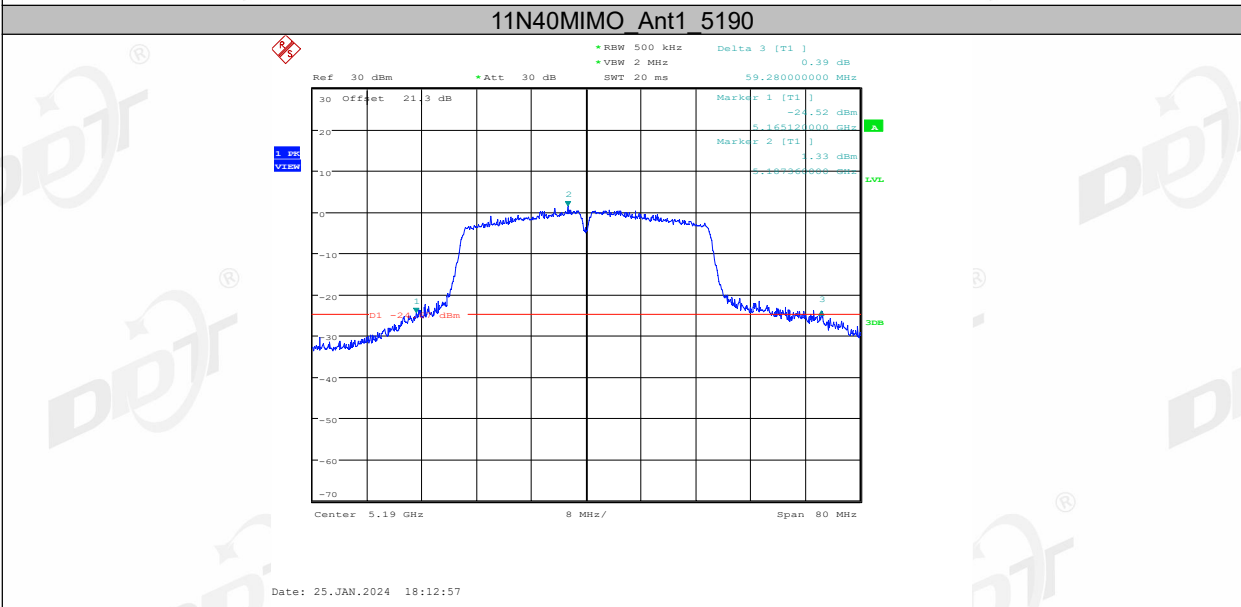
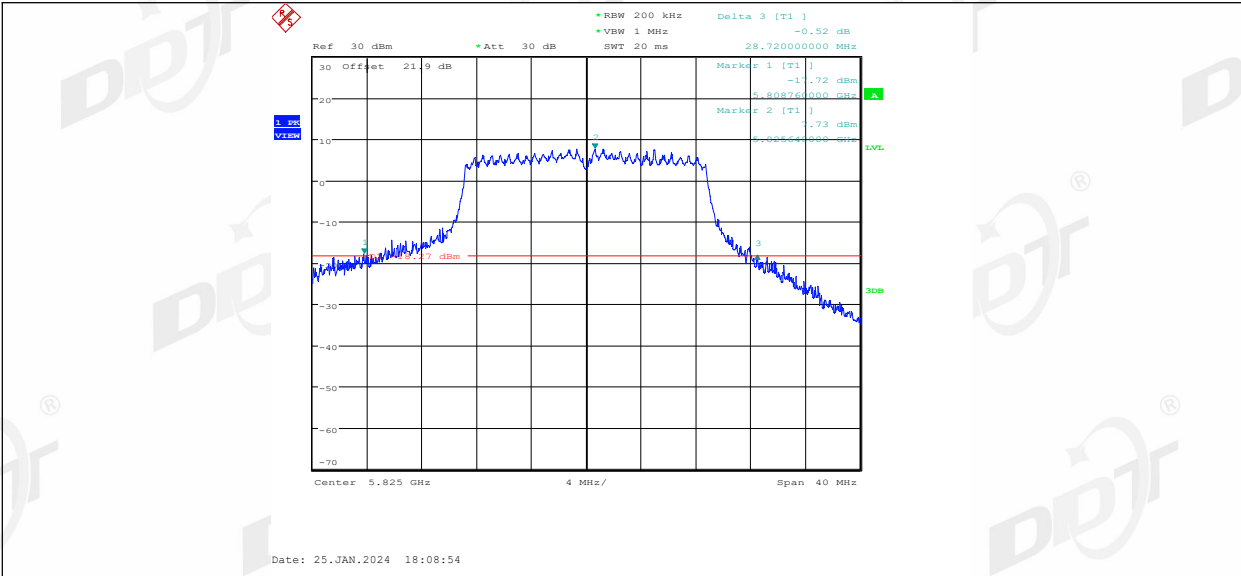
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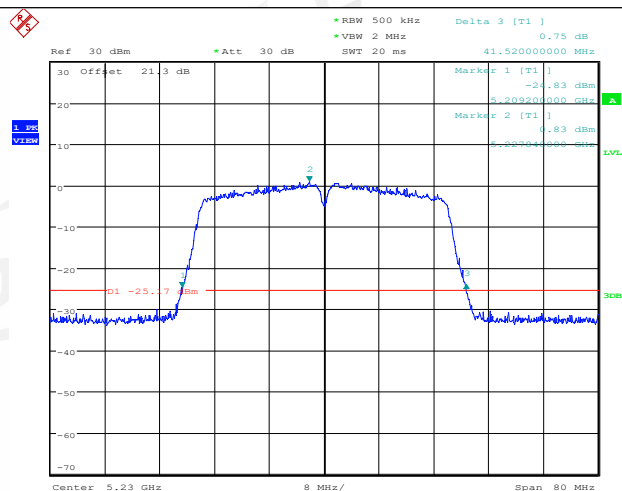
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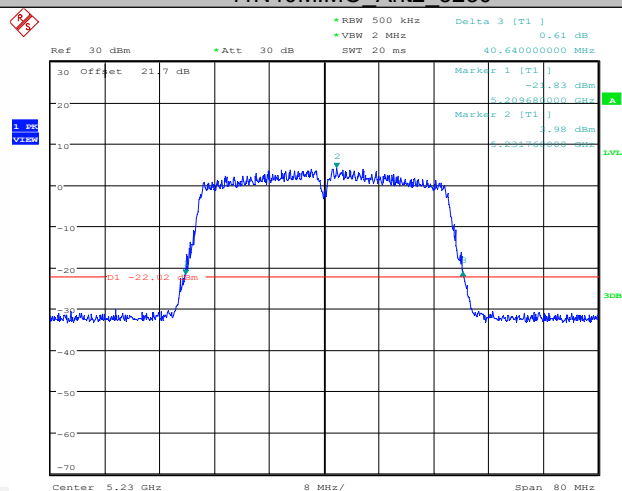
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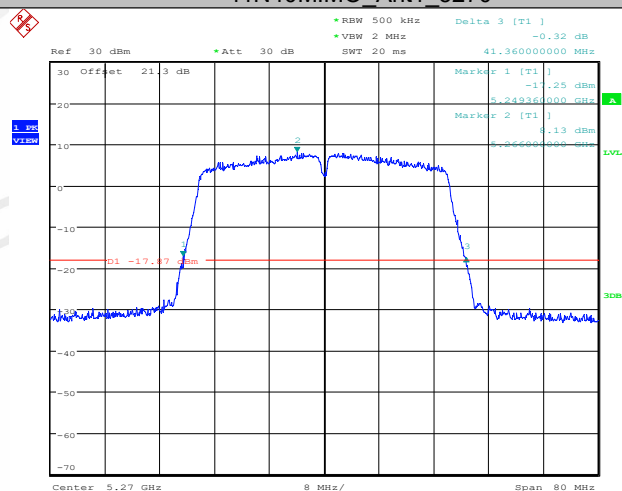
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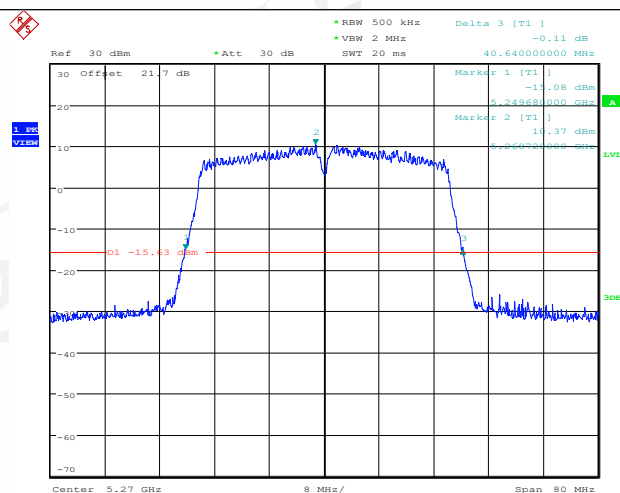
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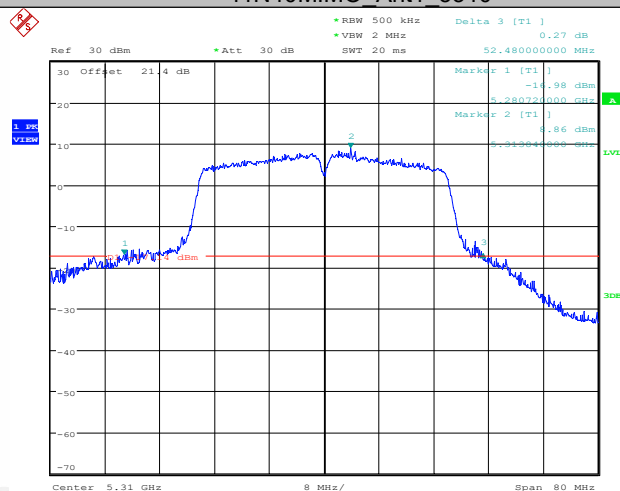
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## 11N40MIMO\_Ant2\_5270



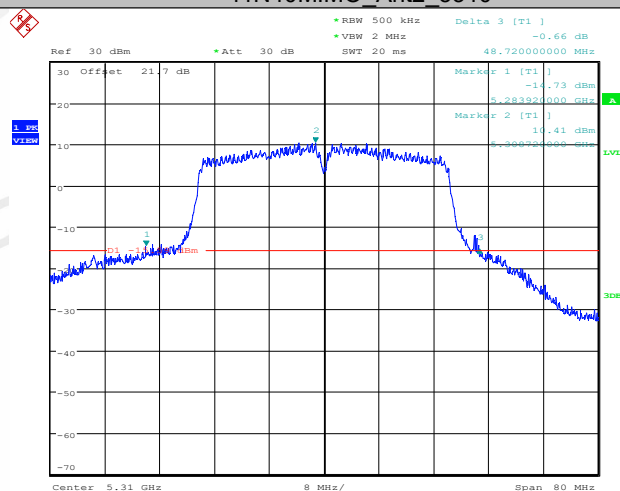
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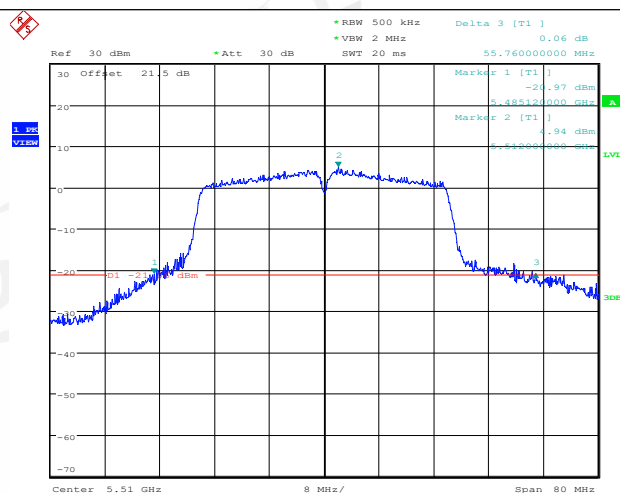
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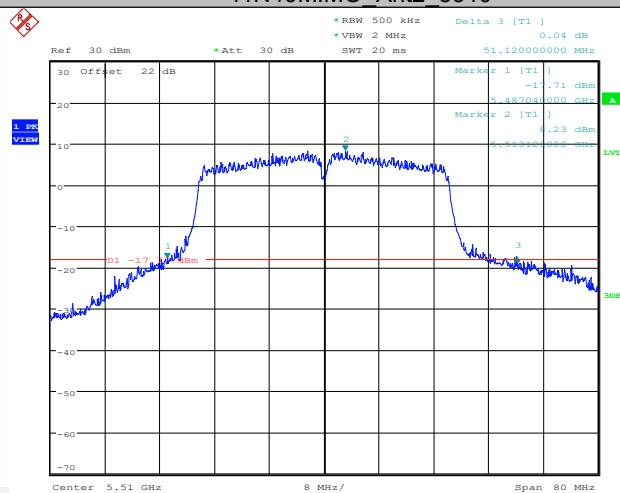
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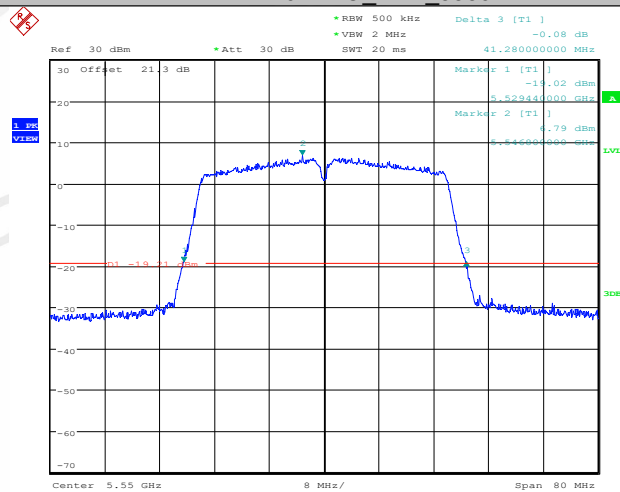
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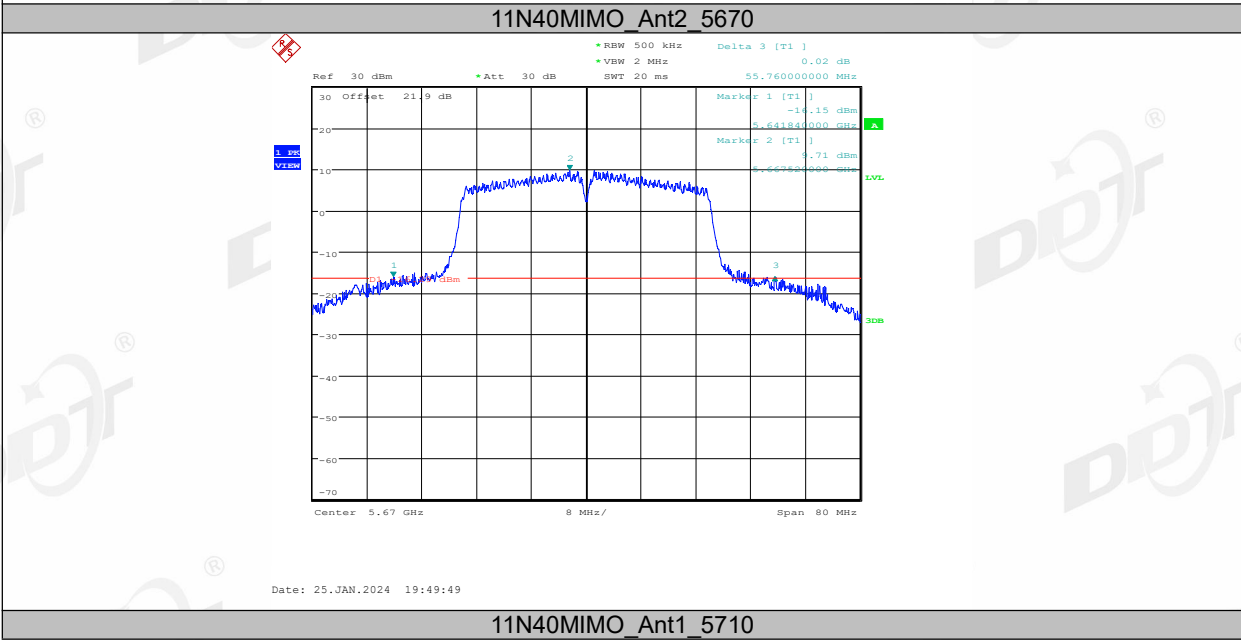
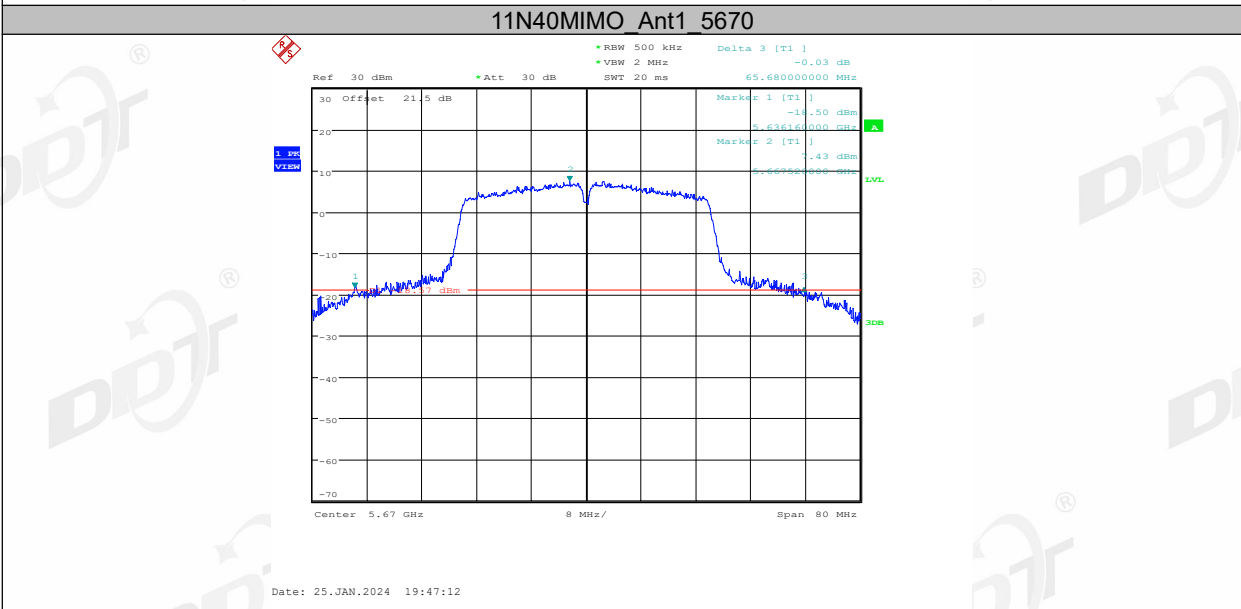
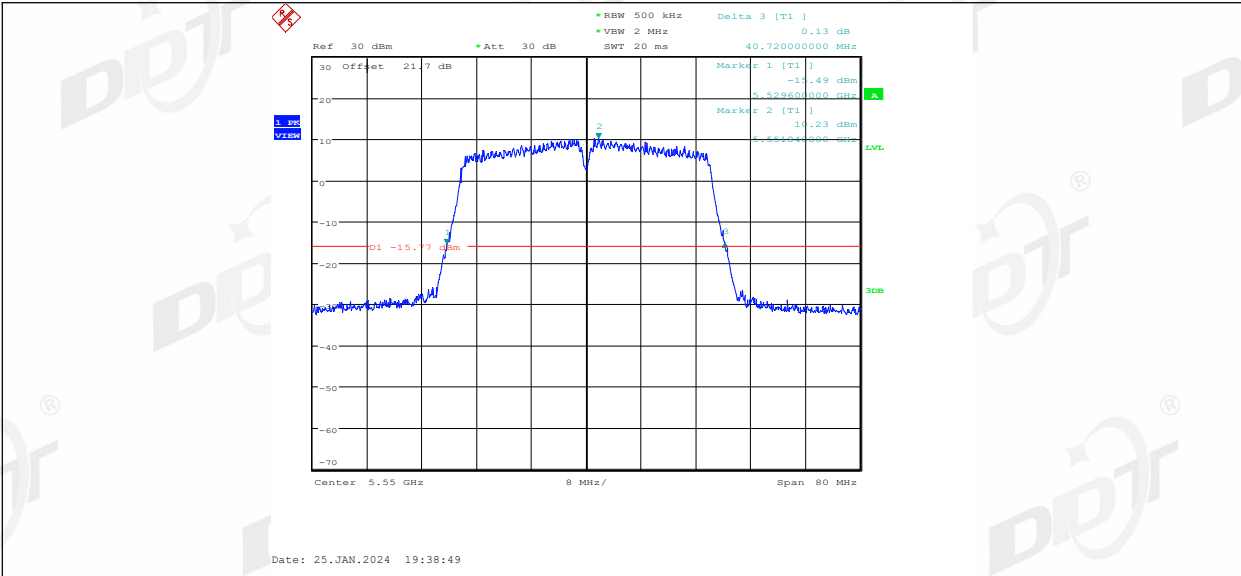
Date: 25.JAN.2024 19:33:14

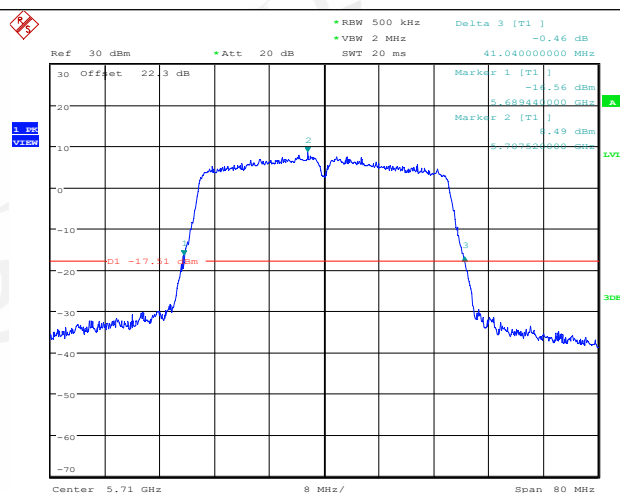
## 11N40MIMO\_Ant1\_5550



Date: 25.JAN.2024 19:36:13

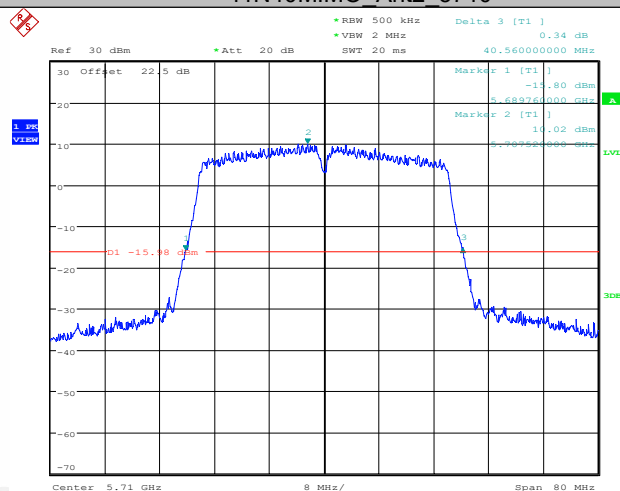
## 11N40MIMO\_Ant2\_5550





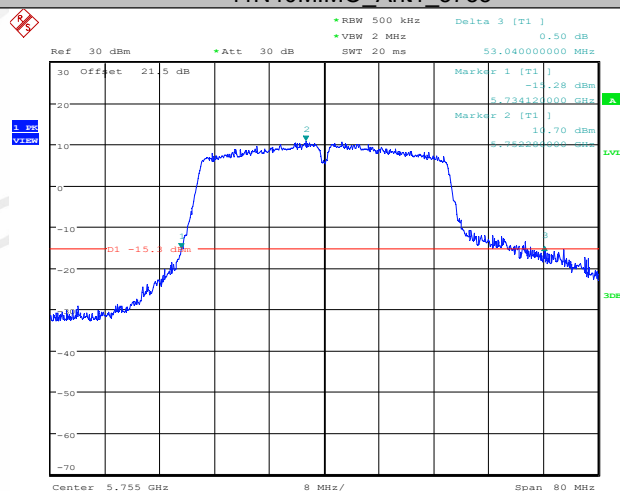
Date: 20.FEB.2024 14:26:58

## 11N40MIMO Ant2 5710



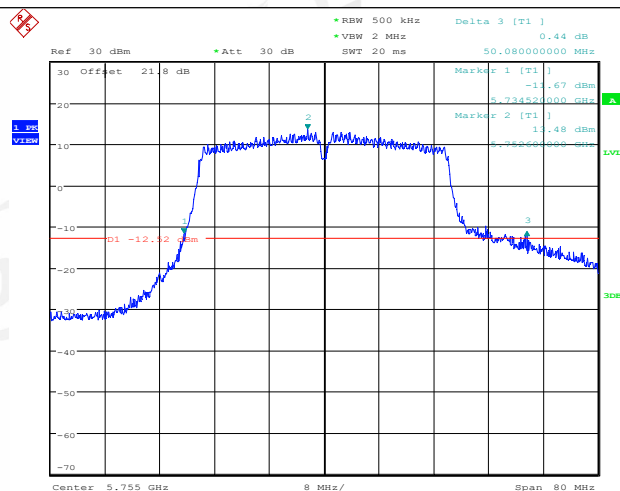
Date: 20.FEB.2024 14:30:08

## 11N40MIMO\_Ant1\_5755



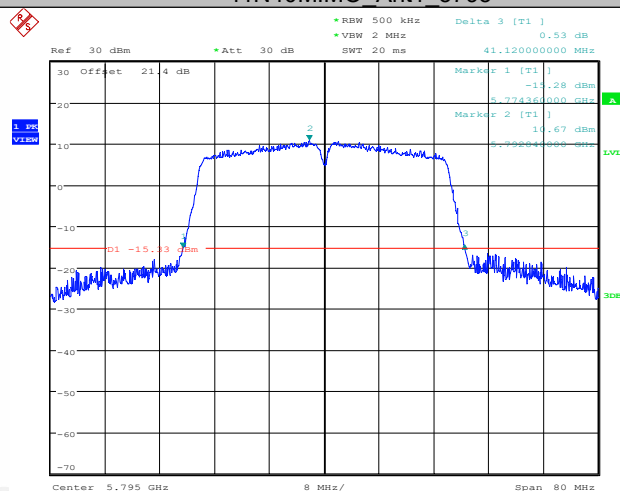
Date: 25.JAN.2024 19:52:49

## 11N40MIMO Ant2 5755



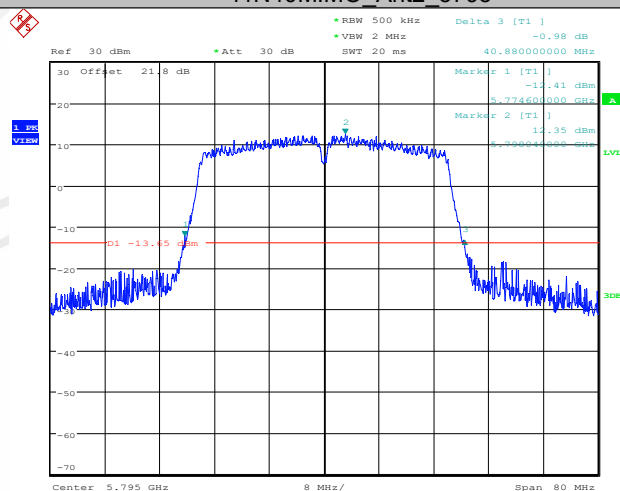
Date: 25.JAN.2024 19:55:43

## 11N40MIMO Ant1 5795



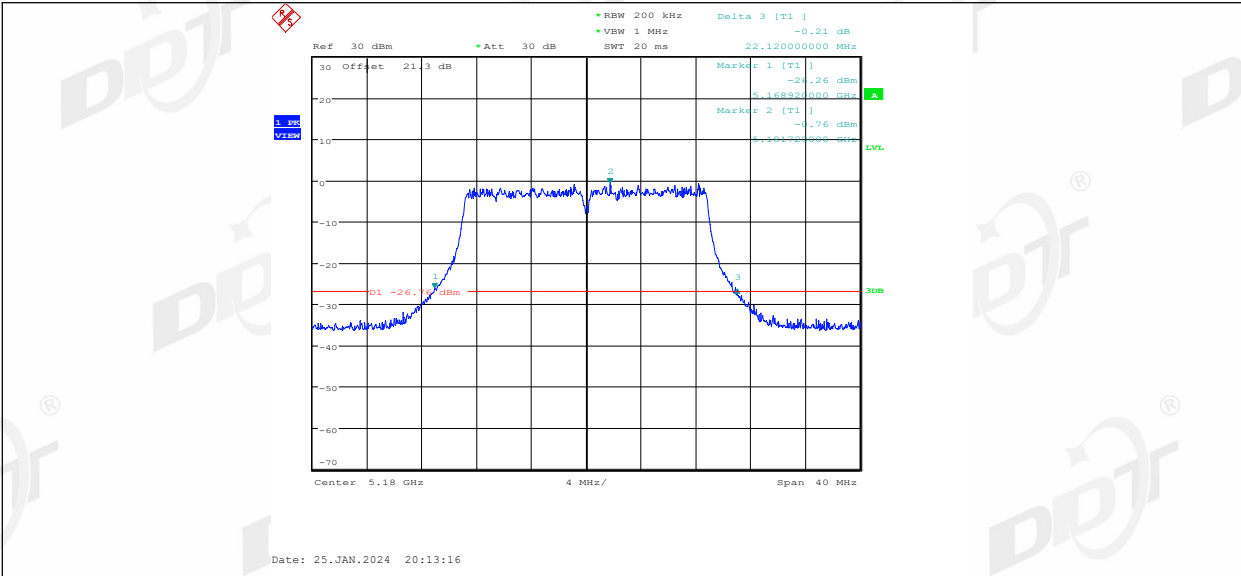
Date: 25.JAN.2024 19:58:49

## 11N40MIMO\_Ant2\_5795

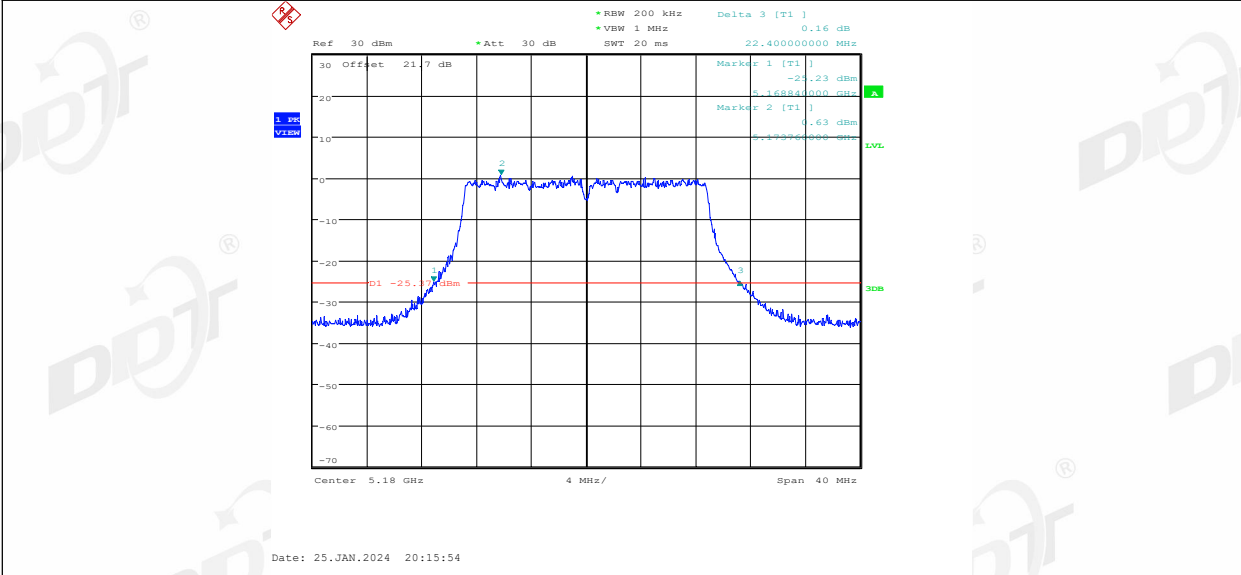


Date: 25.JAN.2024 20:03:24

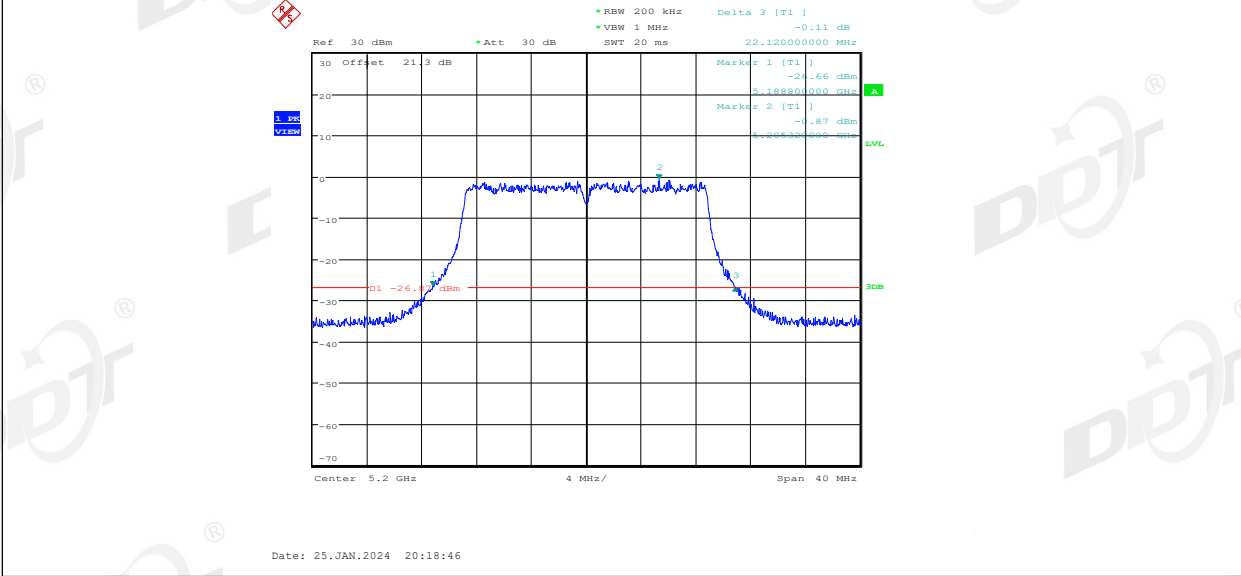
## 11AC20MIMO\_Ant1\_5180



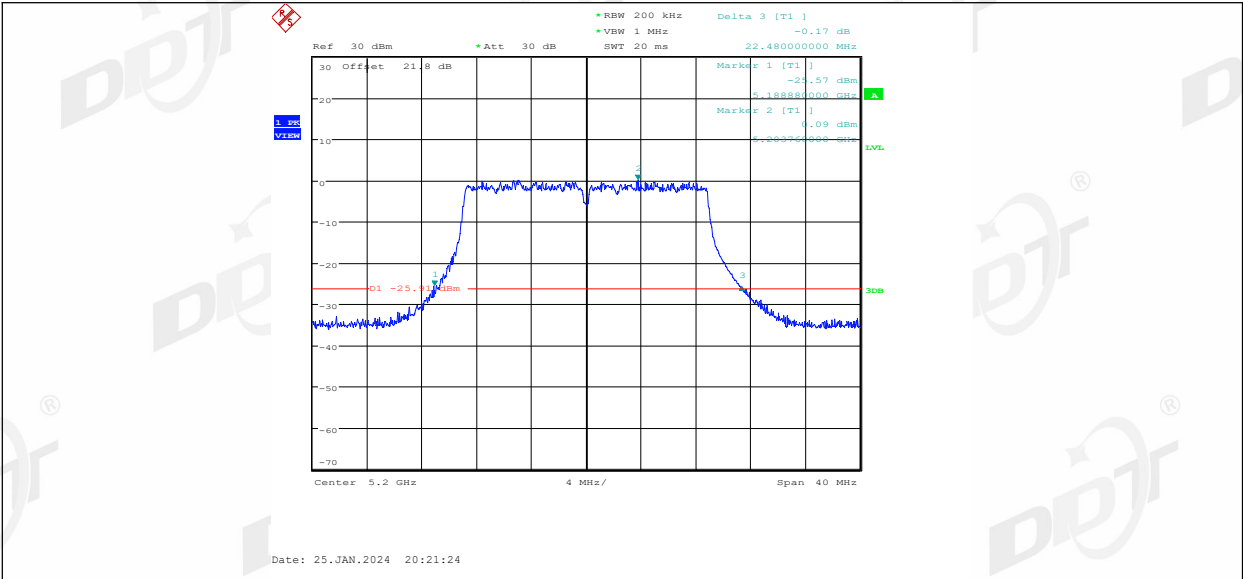
11AC20MIMO\_Ant2\_5180



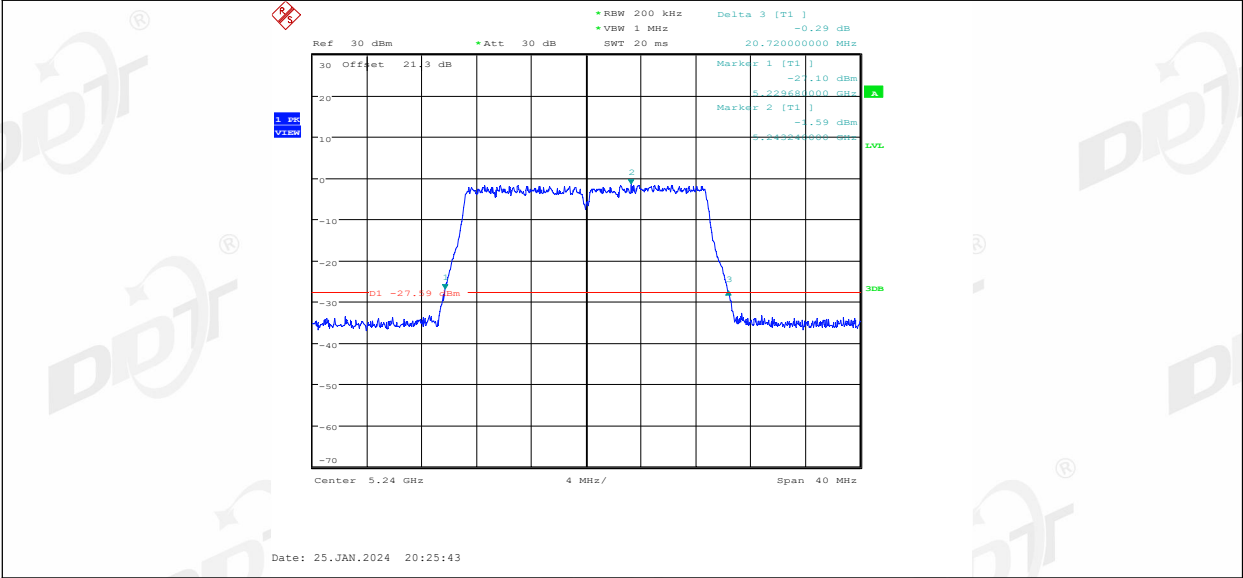
11AC20MIMO\_Ant1\_5200



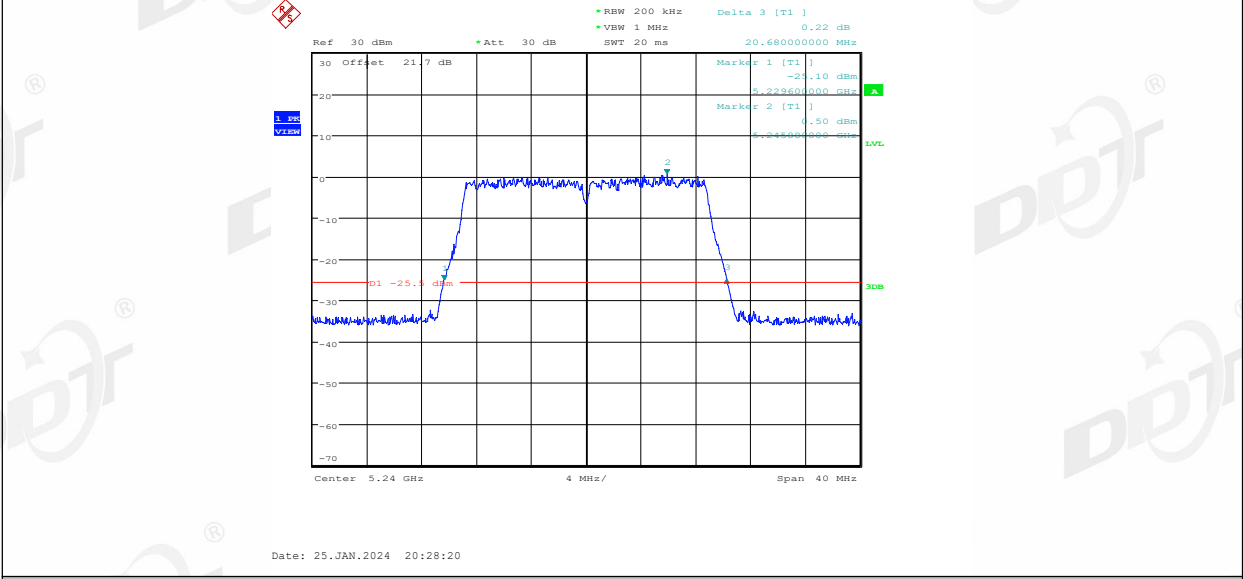
11AC20MIMO\_Ant2\_5200



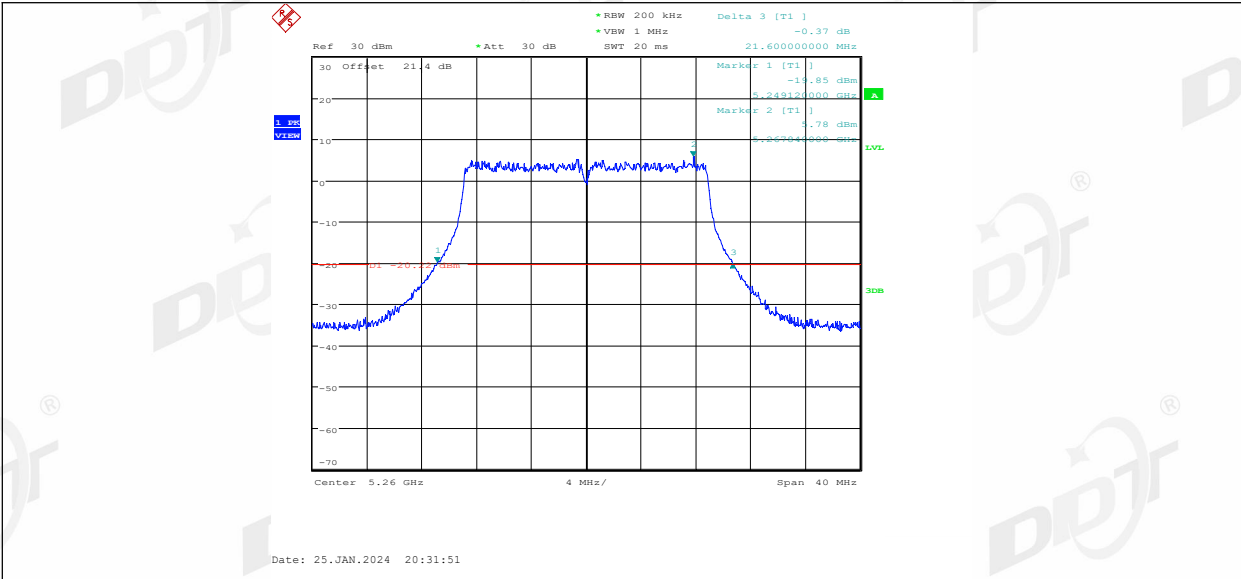
11AC20MIMO Ant1 5240



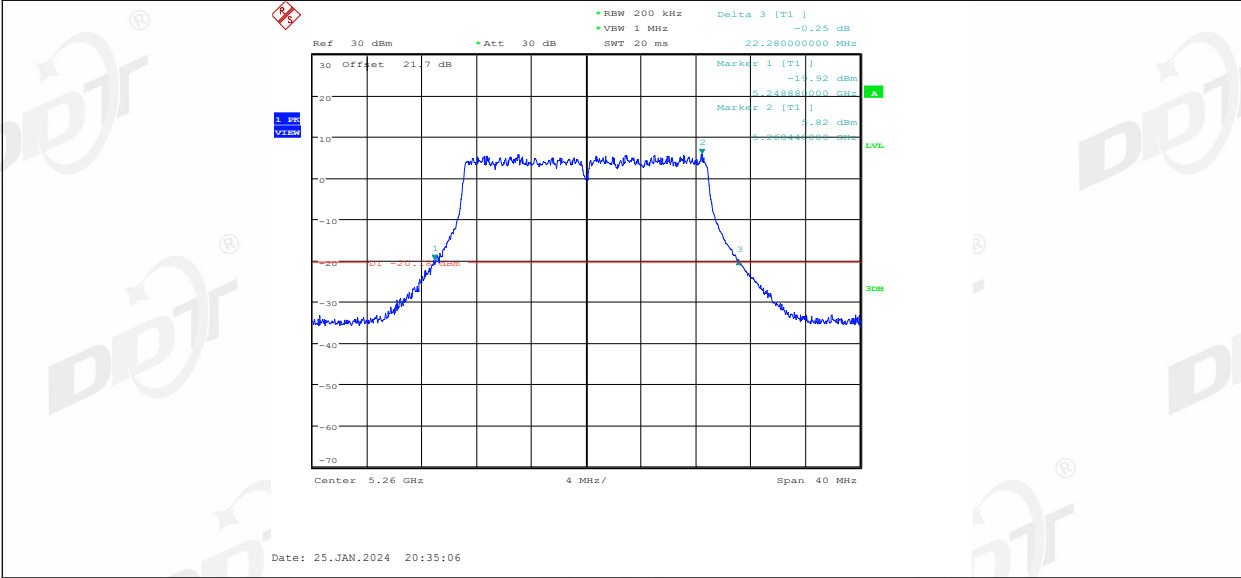
11AC20MIMO Ant2 5240



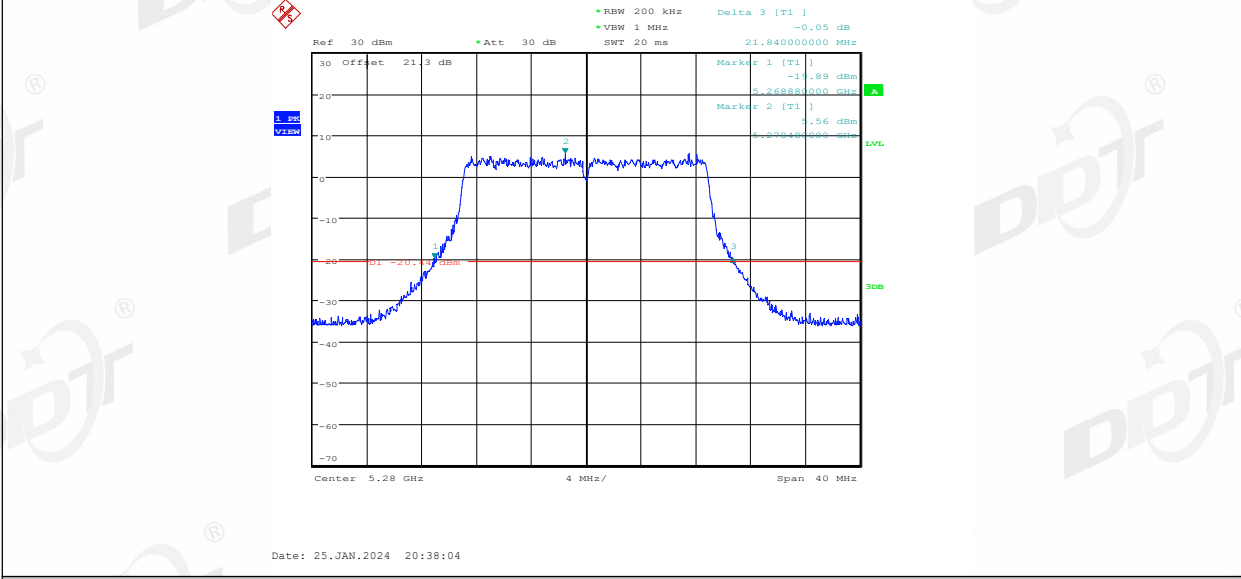
11AC20MIMO Ant1 5260



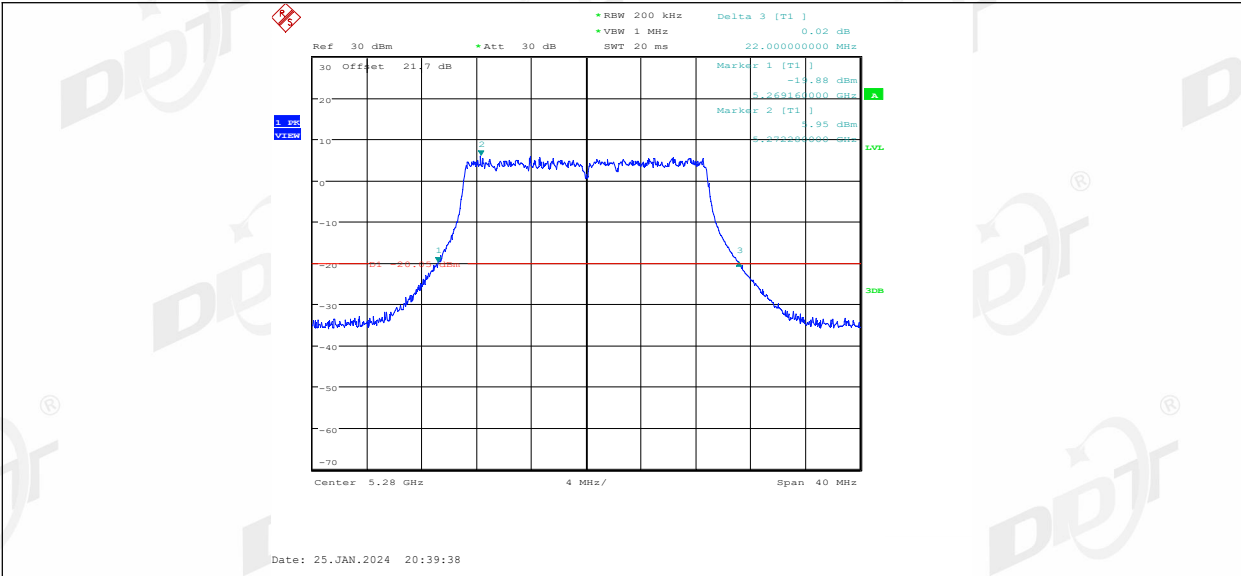
11AC20MIMO\_Ant2\_5260



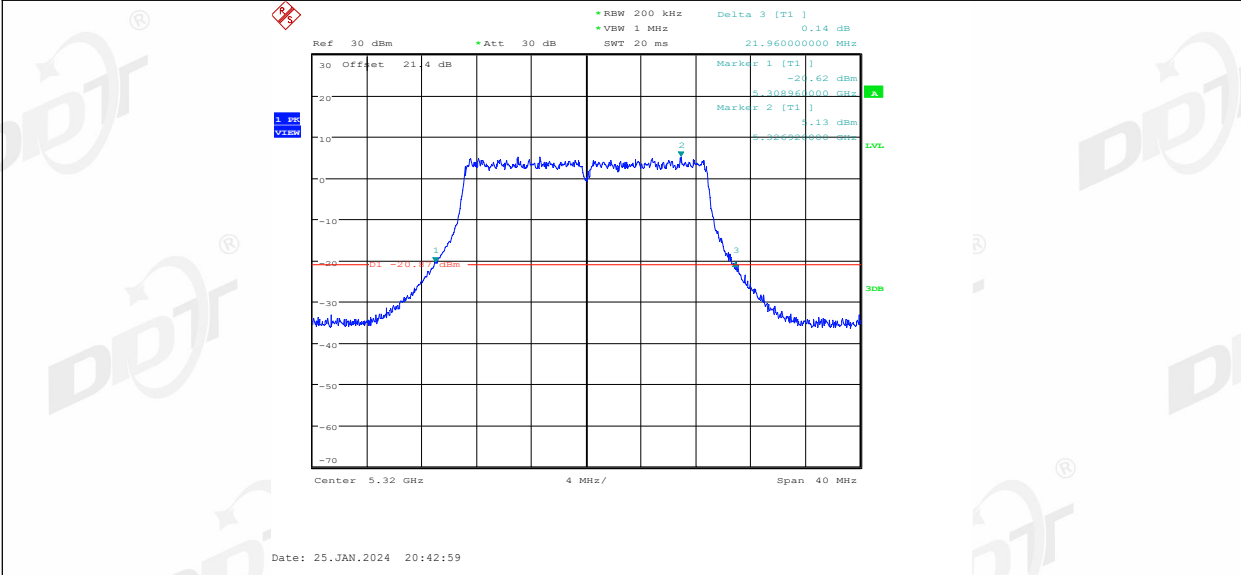
11AC20MIMO\_Ant1\_5280



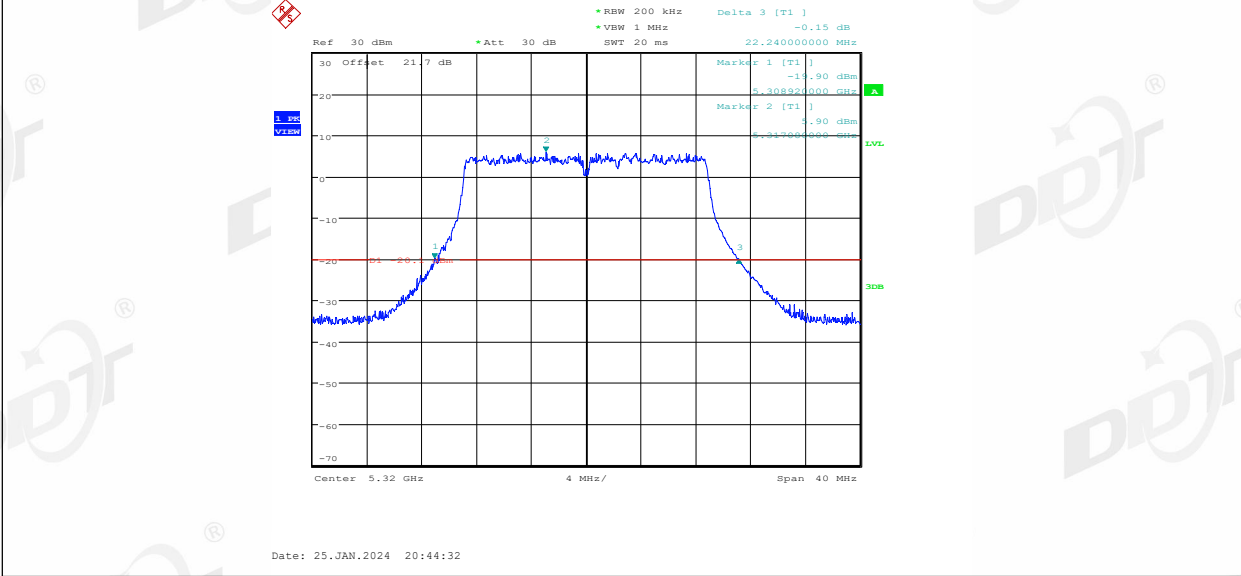
11AC20MIMO\_Ant2\_5280



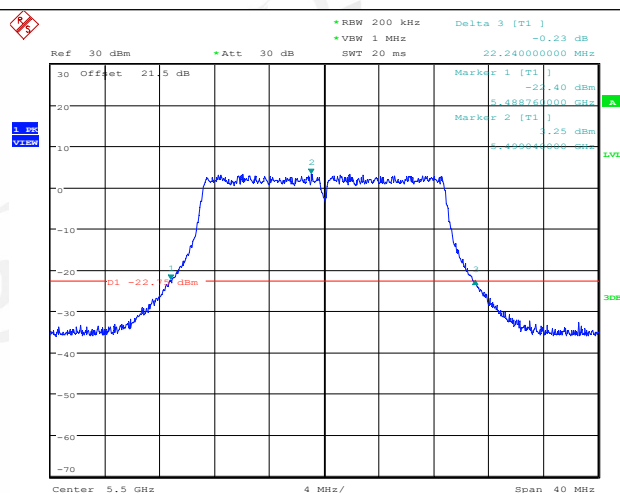
11AC20MIMO\_Ant1\_5320



11AC20MIMO\_Ant2\_5320

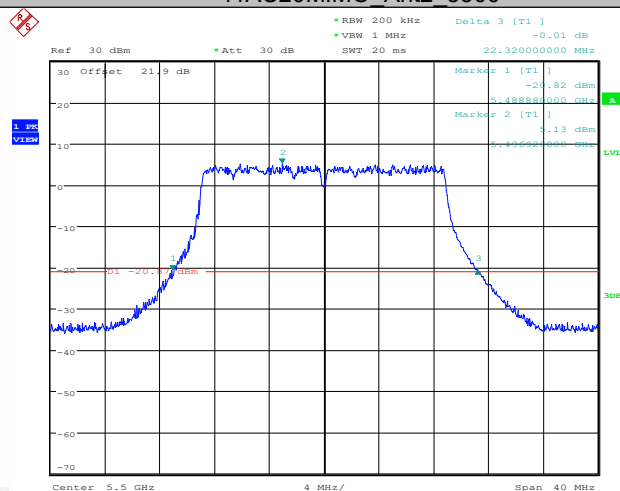


11AC20MIMO\_Ant1\_5500



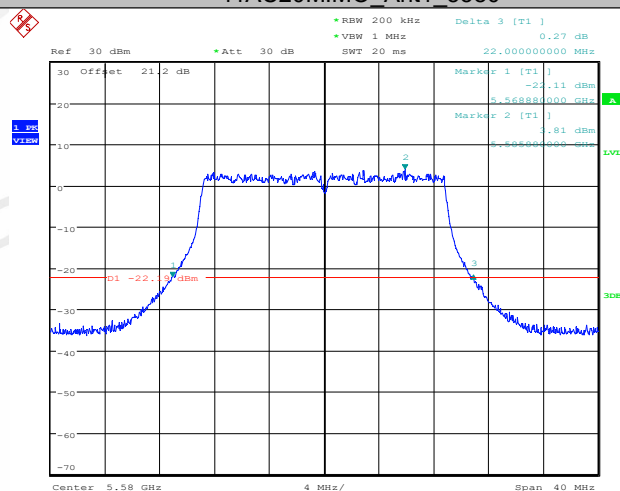
Date: 25.JAN.2024 20:47:03

## 11AC20MIMO Ant2 5500



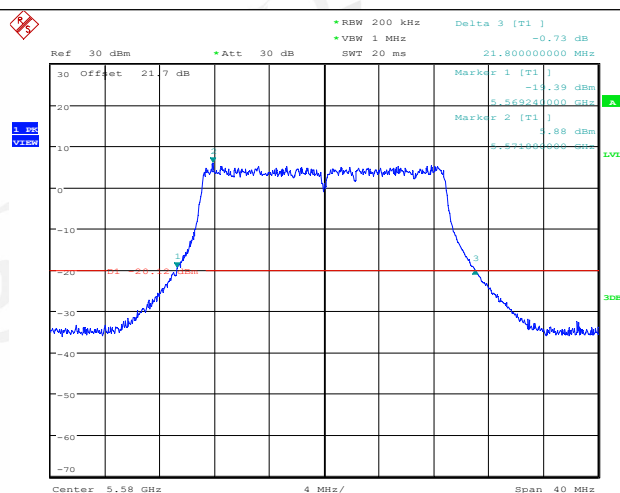
Date: 25.JAN.2024 20:48:36

## 11AC20MIMO Ant1 5580



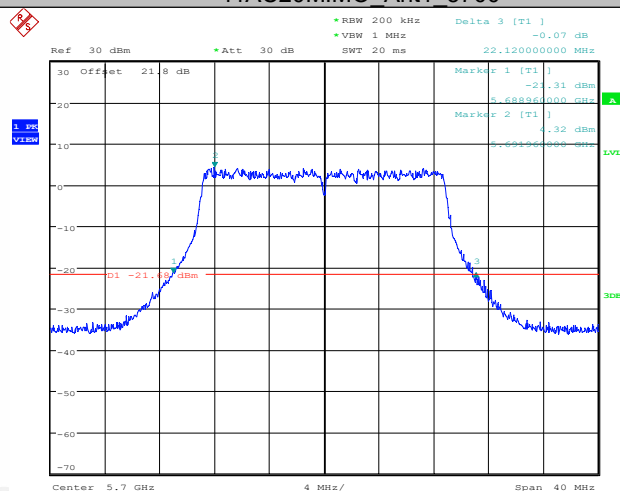
Date: 25.JAN.2024 20:50:25

## 11AC20MIMO Ant2 5580



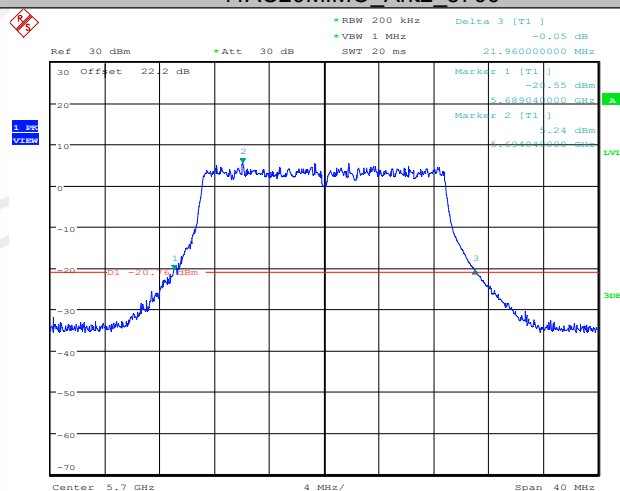
Date: 25.JAN.2024 20:51:59

## 11AC20MIMO Ant1 5700



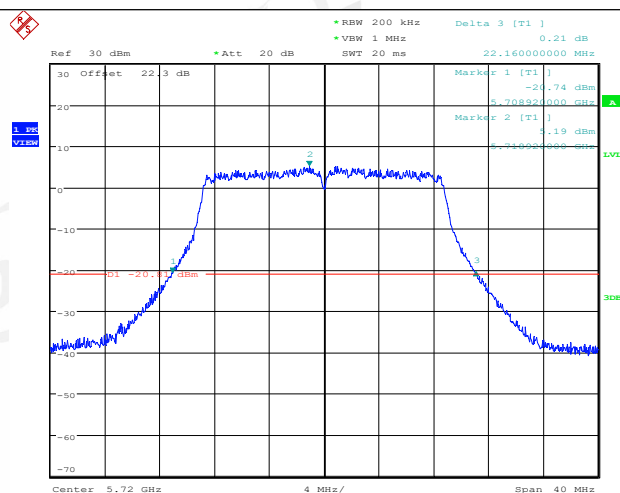
Date: 25.JAN.2024 20:56:19

## 11AC20MIMO\_Ant2\_5700



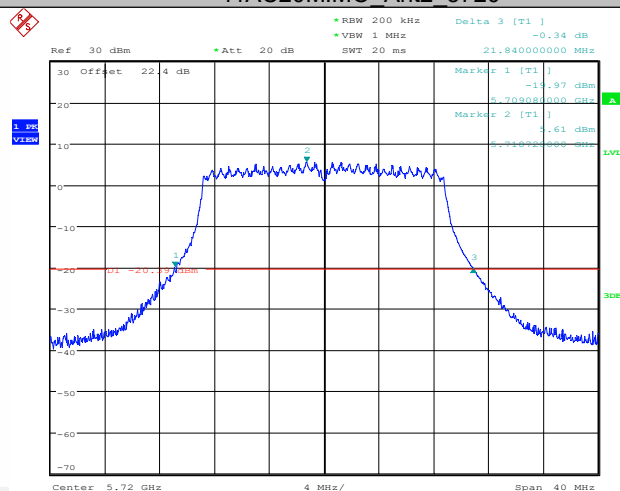
Date: 25.JAN.2024 20:57:53

## 11AC20MIMO Ant1 5720



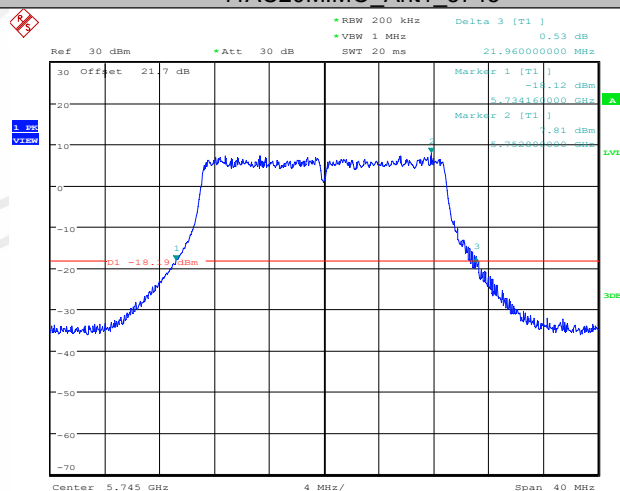
Date: 20.FEB.2024 14:34:45

## 11AC20MIMO\_Ant2\_5720



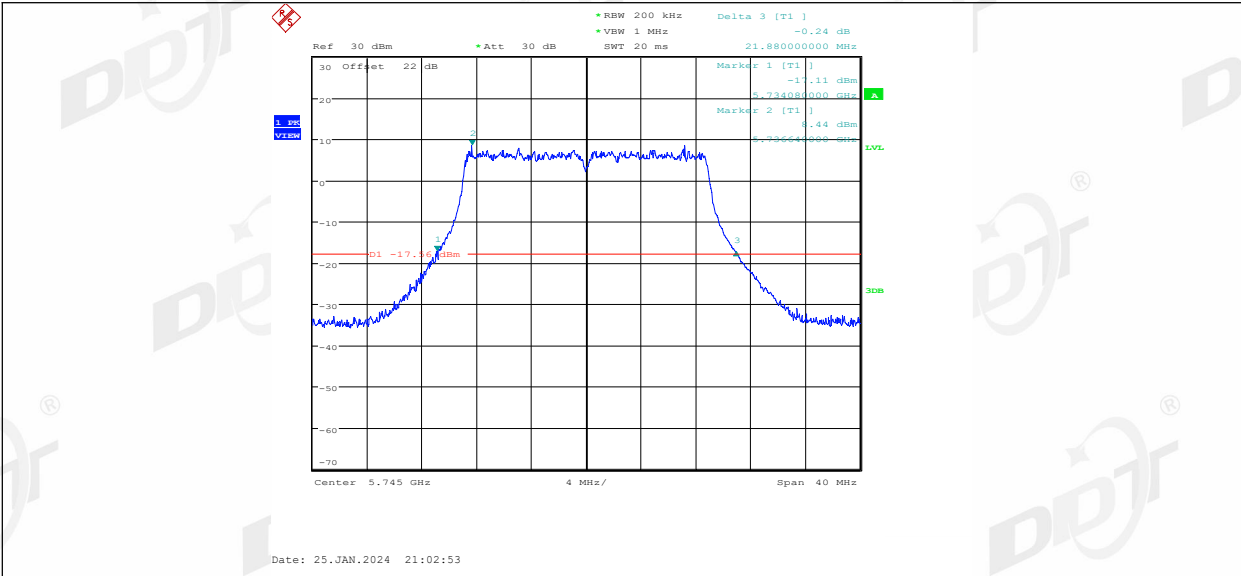
Date: 20.FEB.2024 14:36:48

## 11AC20MIMO\_Ant1\_5745

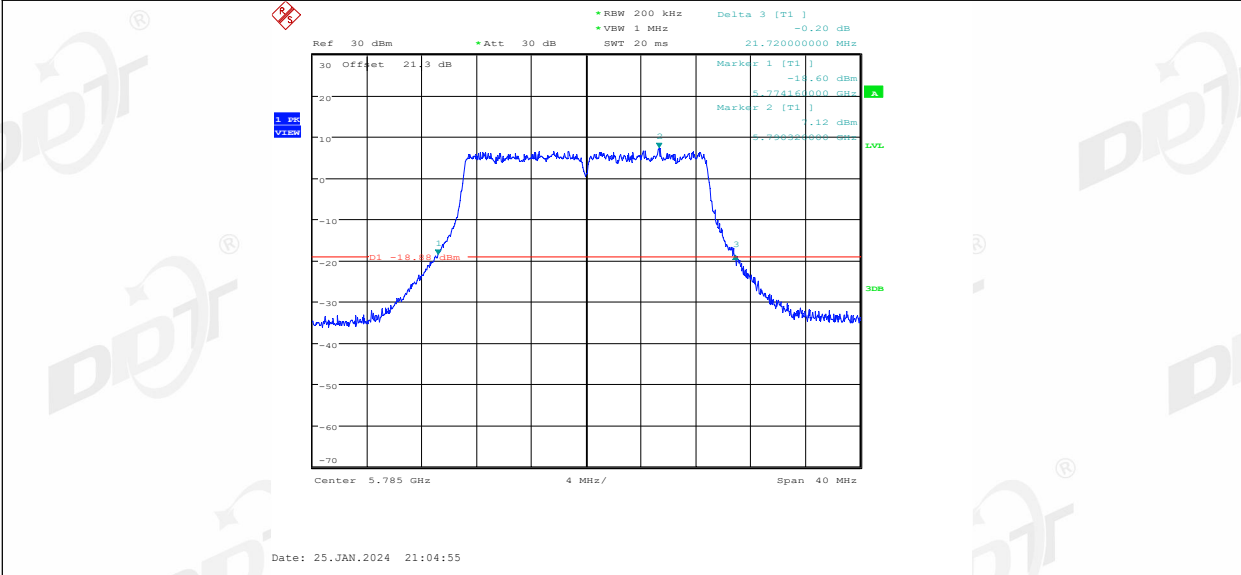


Date: 25.JAN.2024 21:01:03

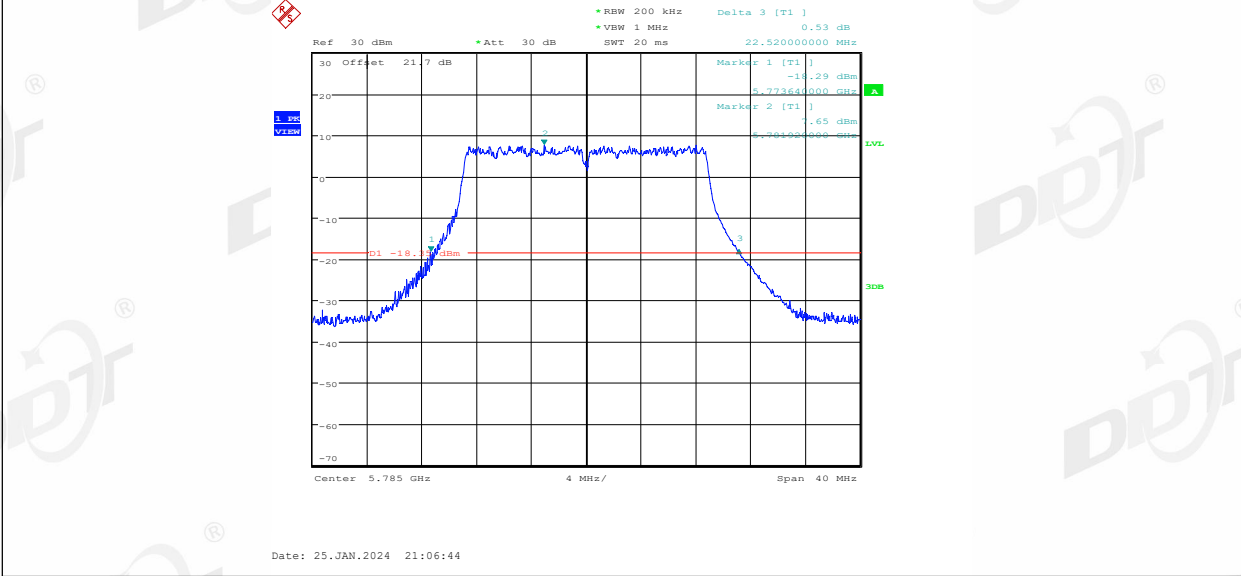
## 11AC20MIMO\_Ant2\_5745



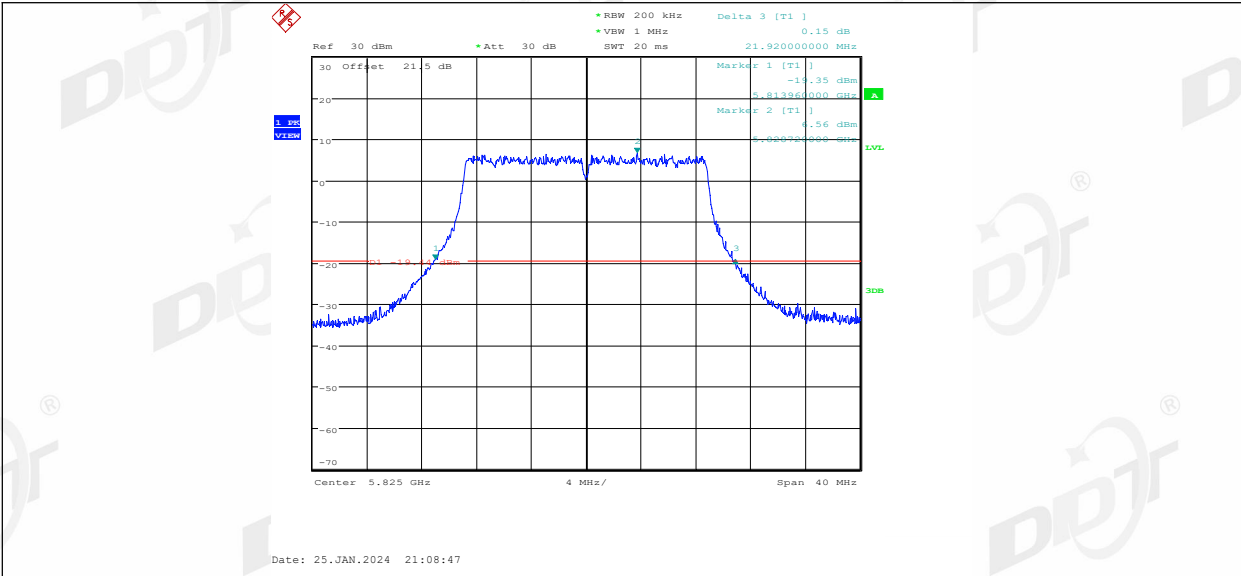
11AC20MIMO\_Ant1\_5785



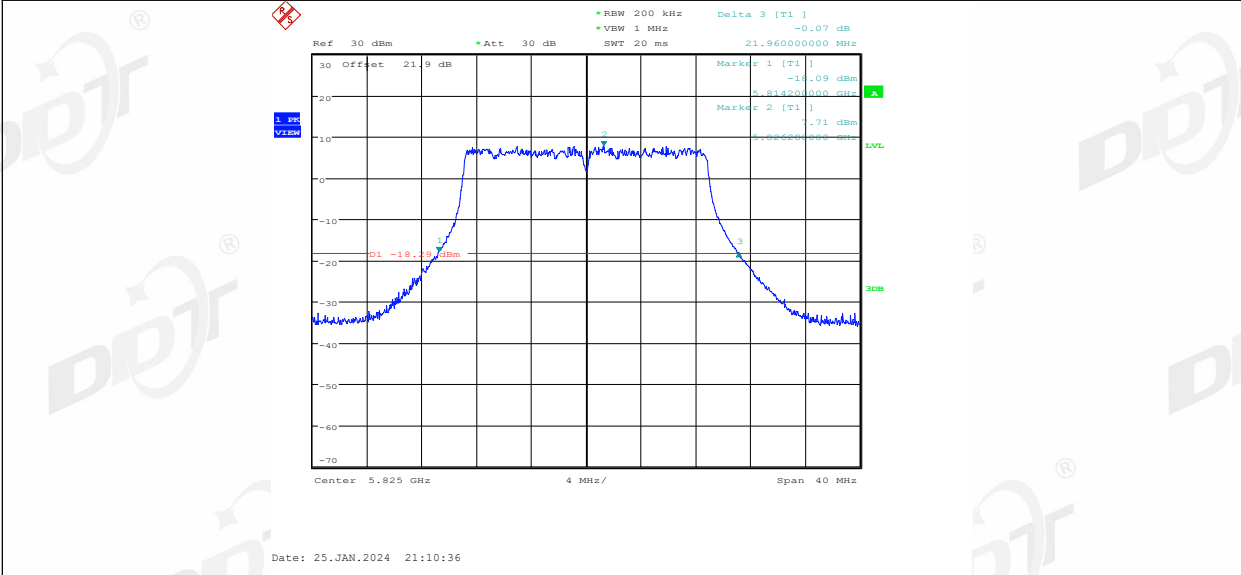
11AC20MIMO\_Ant2\_5785



11AC20MIMO\_Ant1\_5825



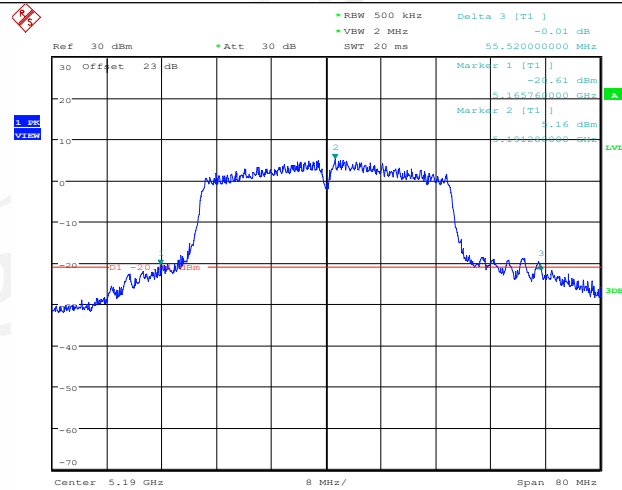
11AC20MIMO\_Ant2\_5825



11AC40MIMO\_Ant1\_5190

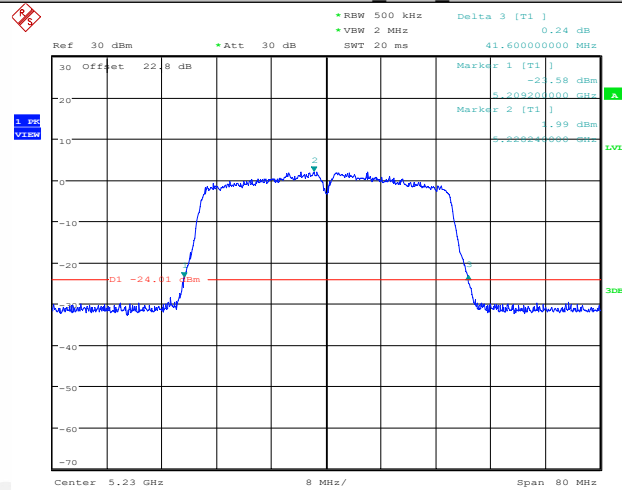


11AC40MIMO\_Ant2\_5190



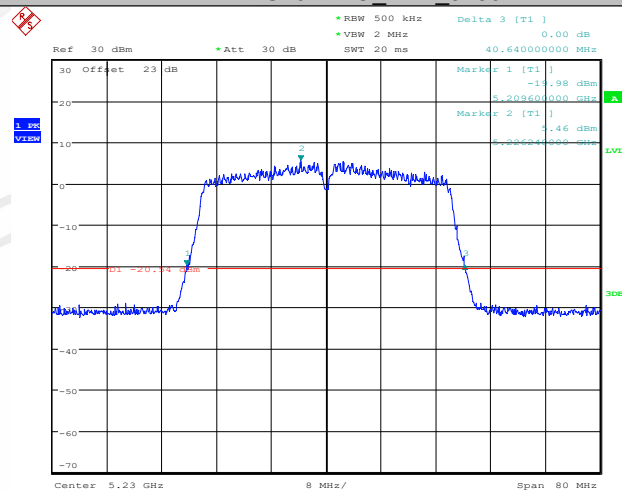
Date: 26.JAN.2024 09:25:29

## 11AC40MIMO Ant1 5230



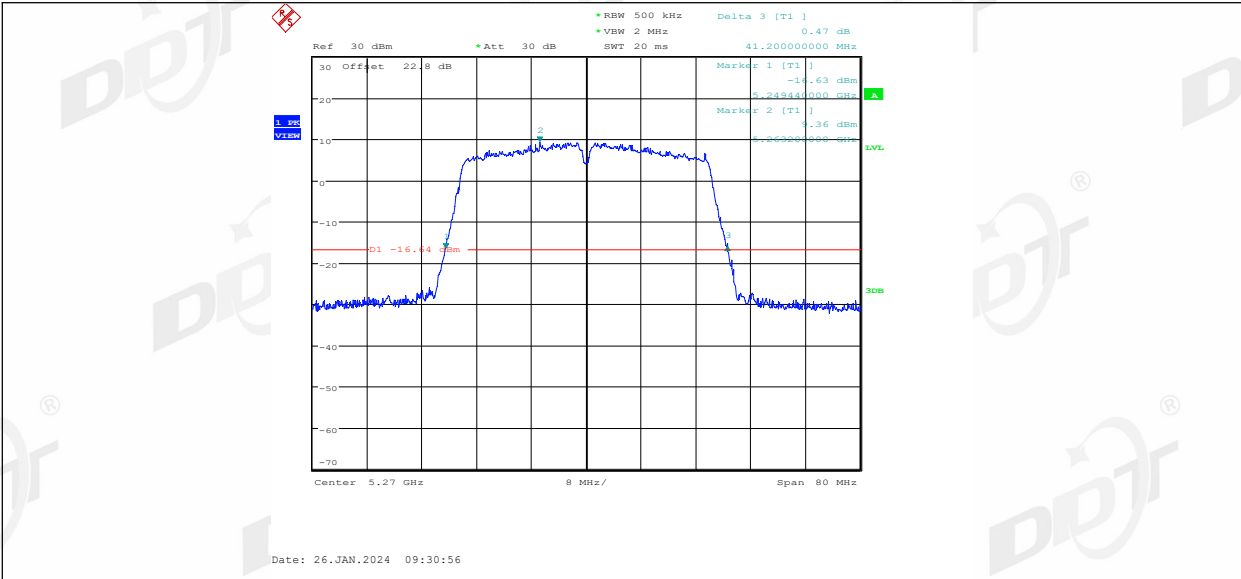
Date: 26.JAN.2024 09:27:22

## 11AC40MIMO Ant2 5230

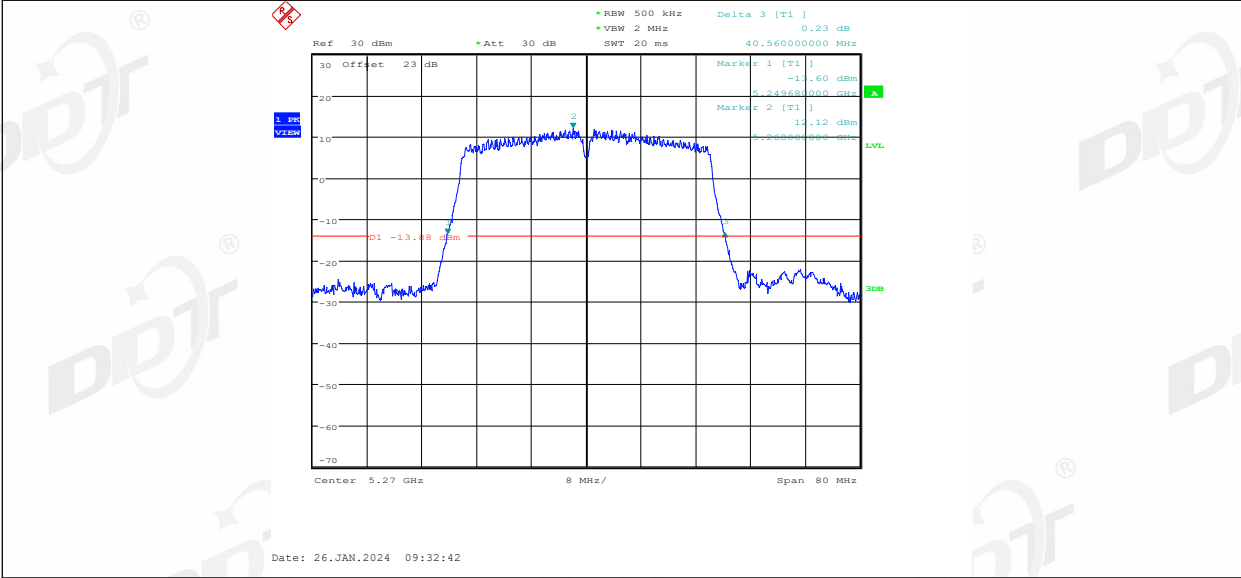


Date: 26.JAN.2024 09:28:56

## 11AC40MIMO Ant1 5270



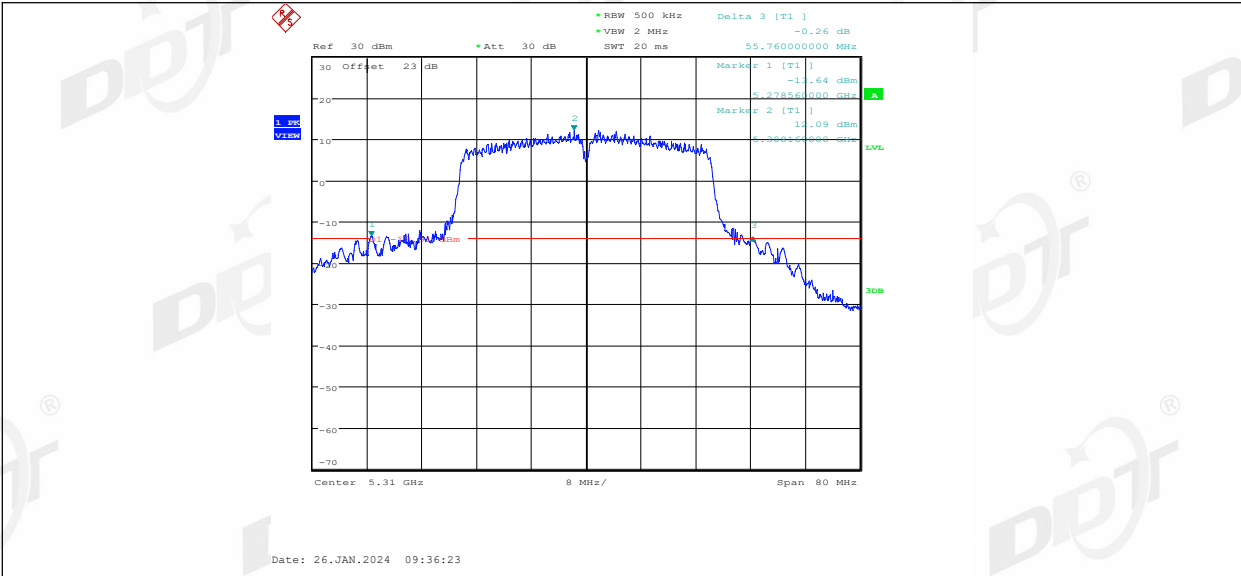
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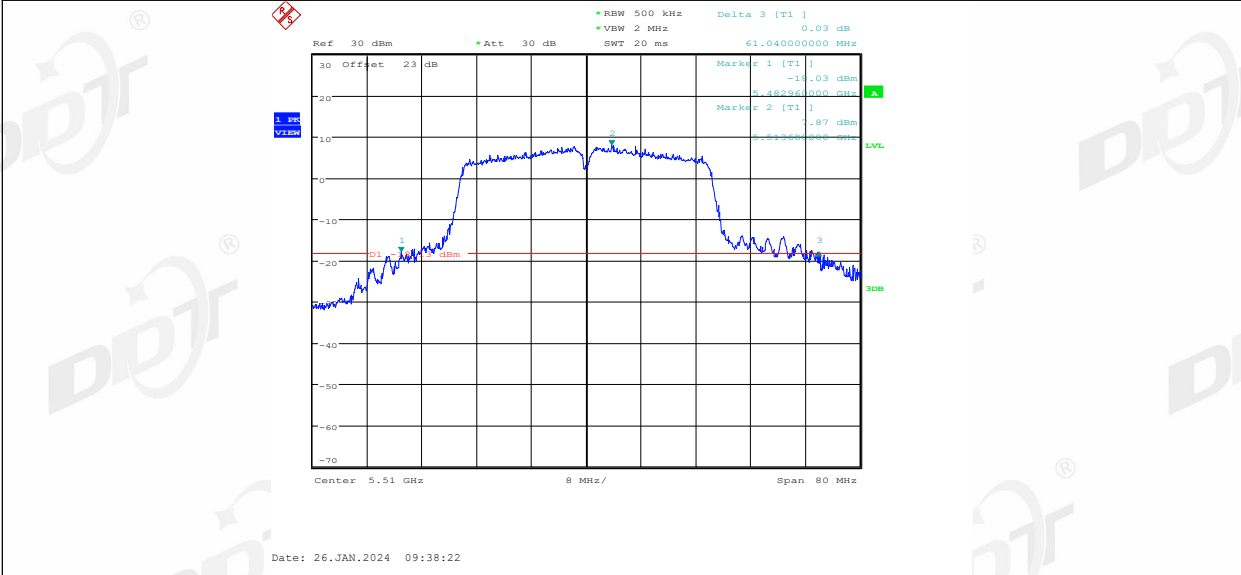
11AC40MIMO\_Ant1\_5310



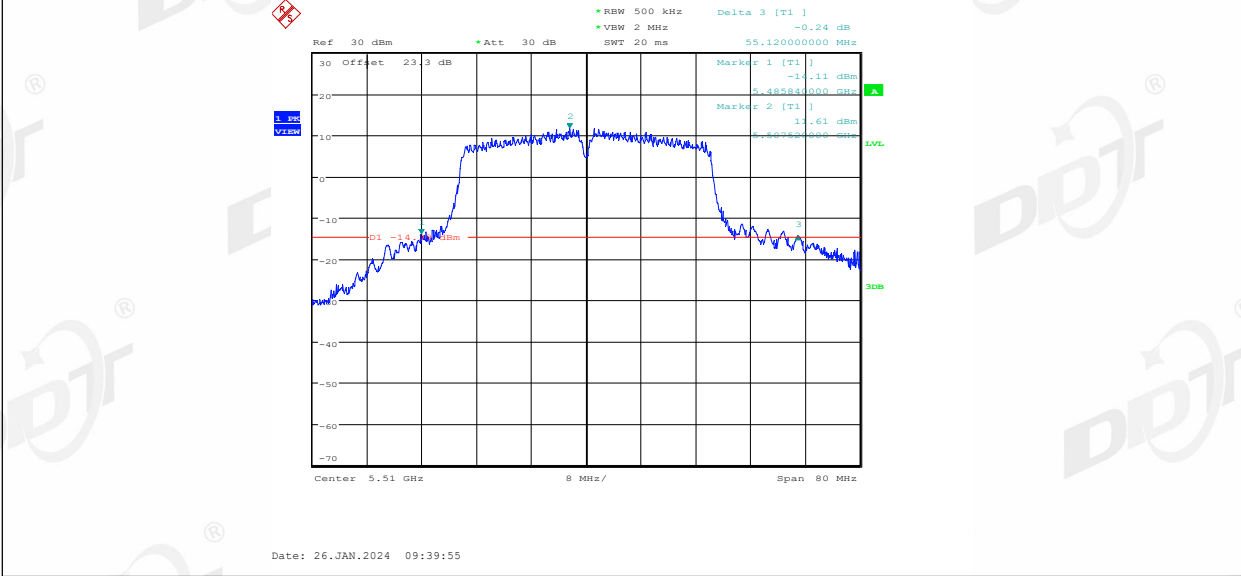
11AC40MIMO\_Ant2\_5310



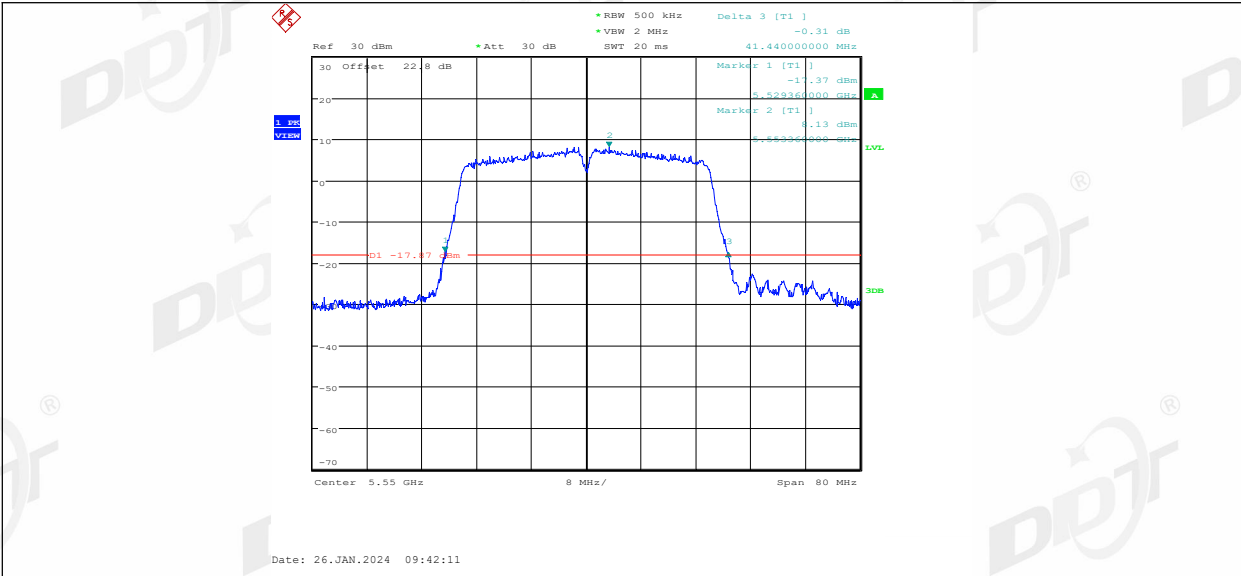
11AC40MIMO Ant1 5510



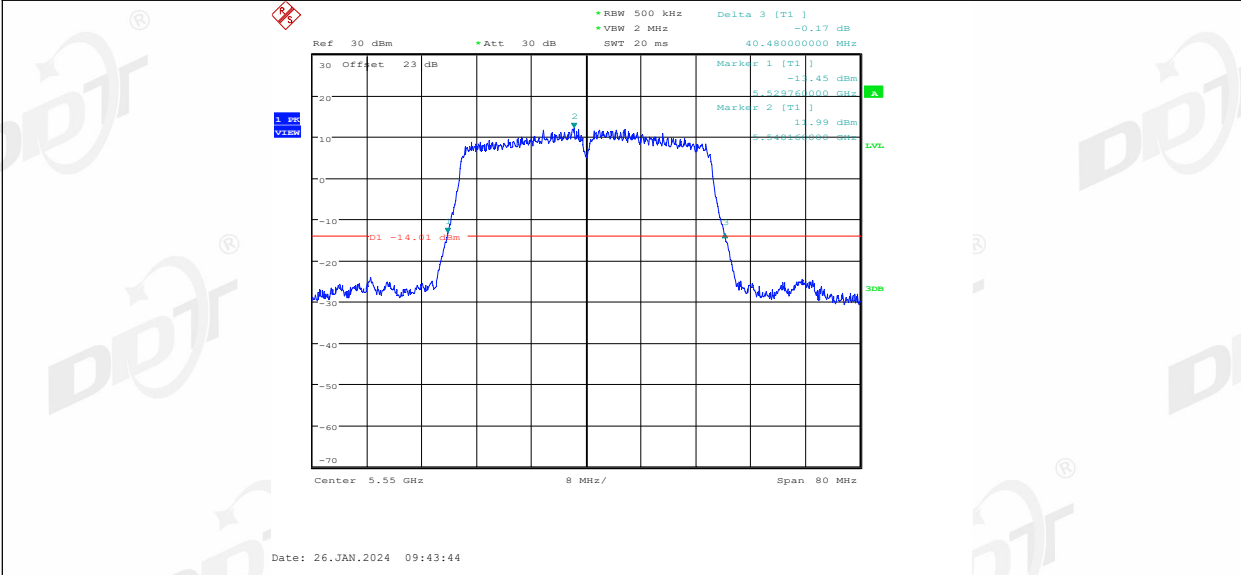
11AC40MIMO Ant2 5510



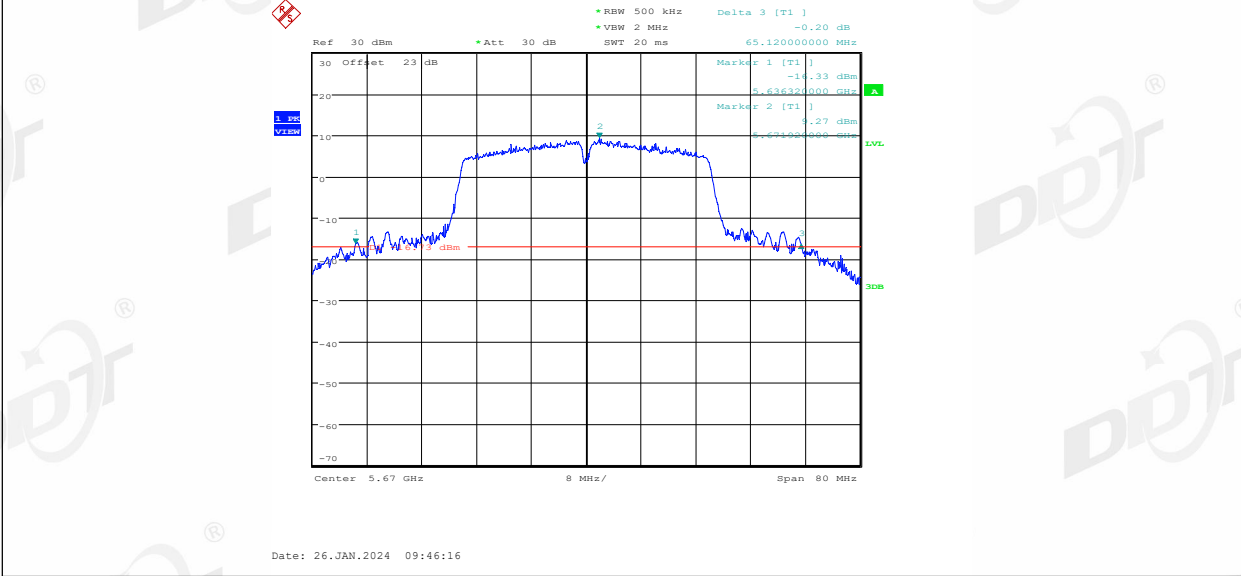
11AC40MIMO Ant1 5550



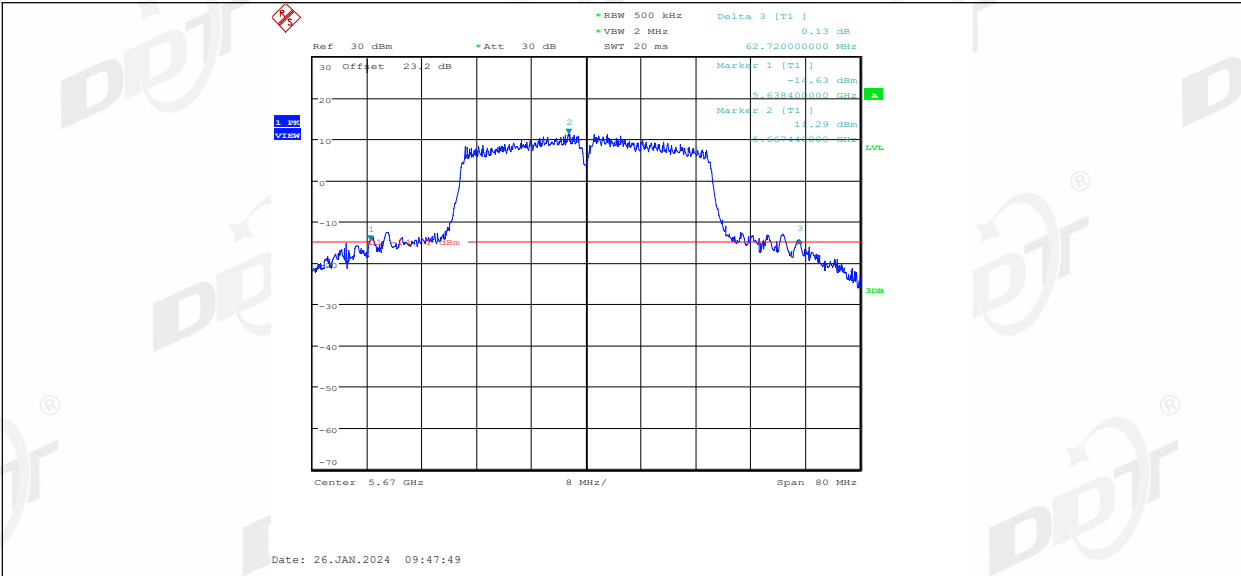
11AC40MIMO\_Ant2\_5550



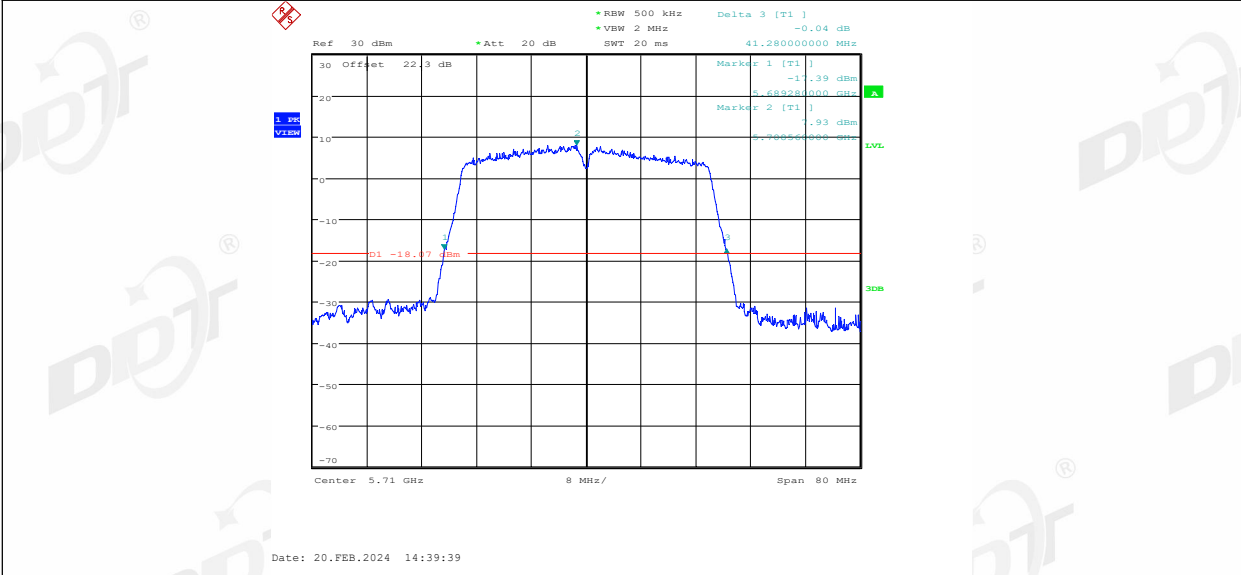
11AC40MIMO\_Ant1\_5670



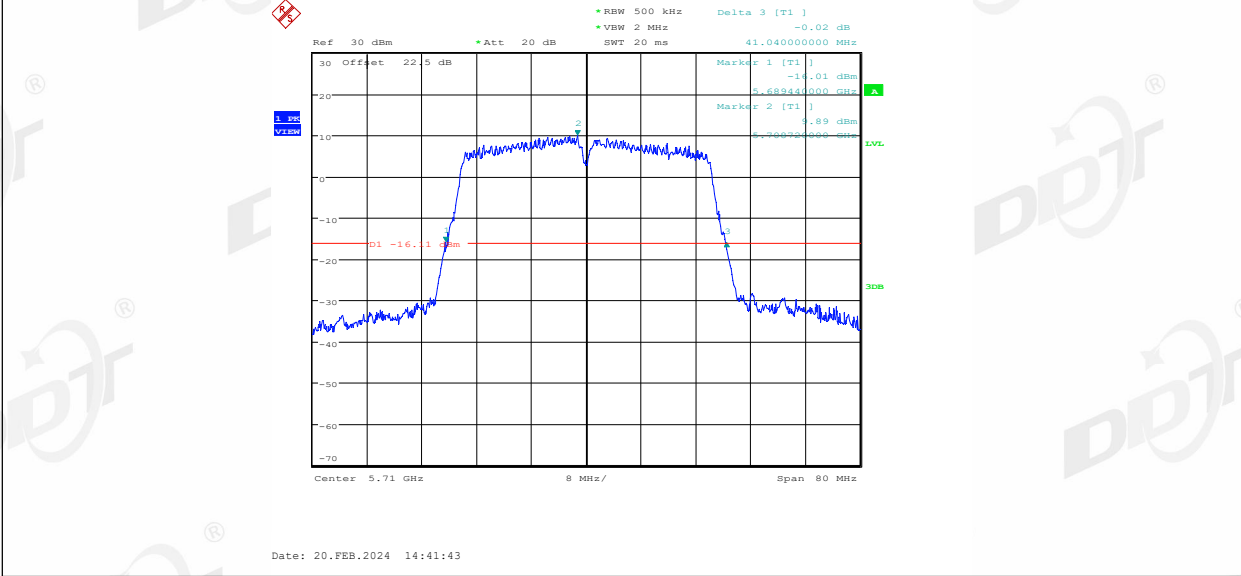
11AC40MIMO\_Ant2\_5670



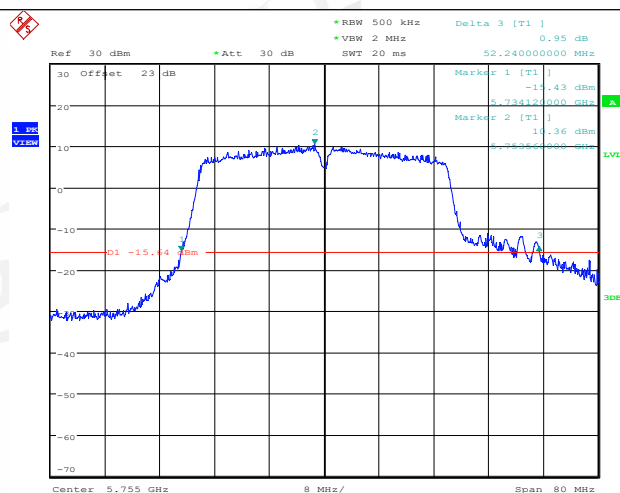
11AC40MIMO\_Ant1\_5710



11AC40MIMO\_Ant2\_5710

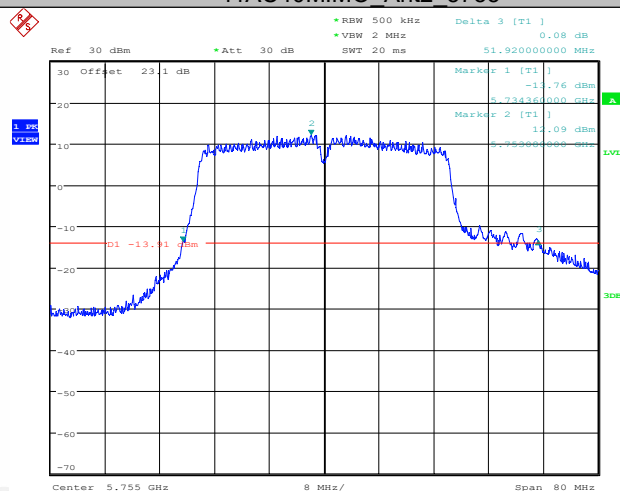


11AC40MIMO\_Ant1\_5755



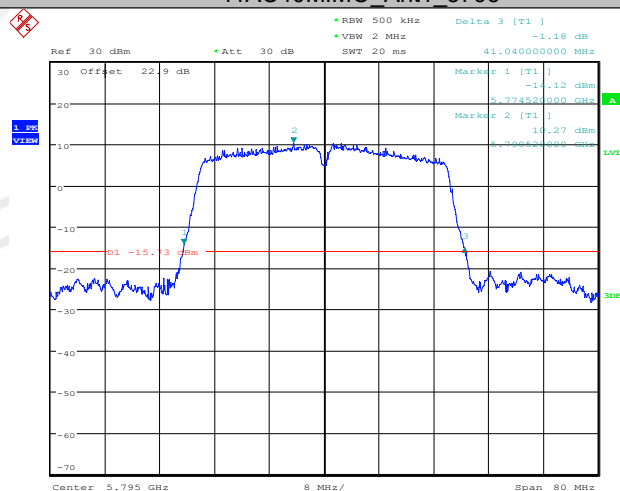
Date: 26.JAN.2024 09:51:13

## 11AC40MIMO Ant2 5755



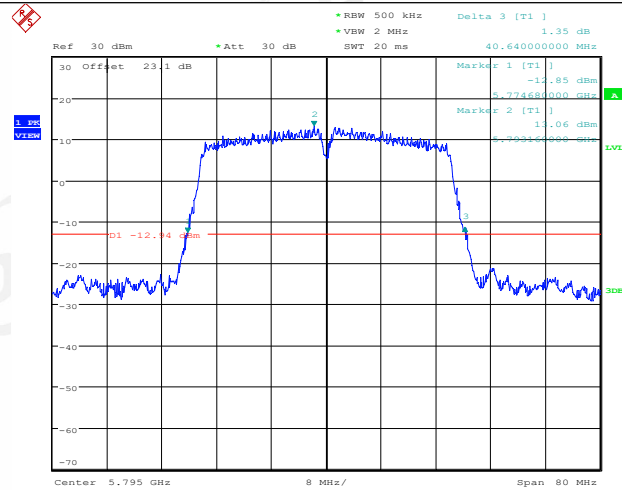
Date: 26.JAN.2024 09:53:02

## 11AC40MIMO\_Ant1\_5795



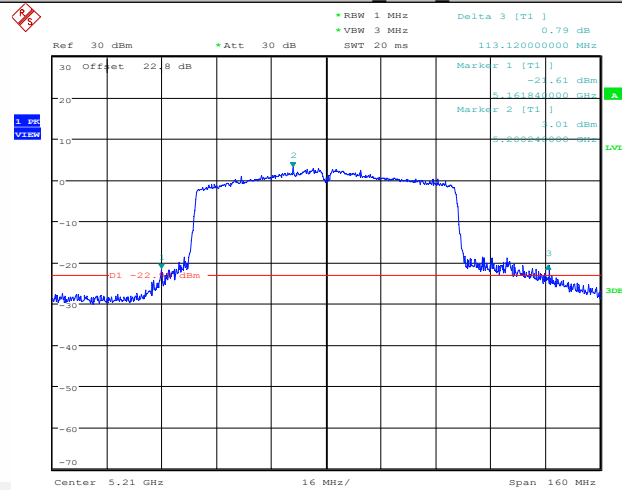
Date: 26.JAN.2024 09:55:06

## 11AC40MIMO Ant2 5795



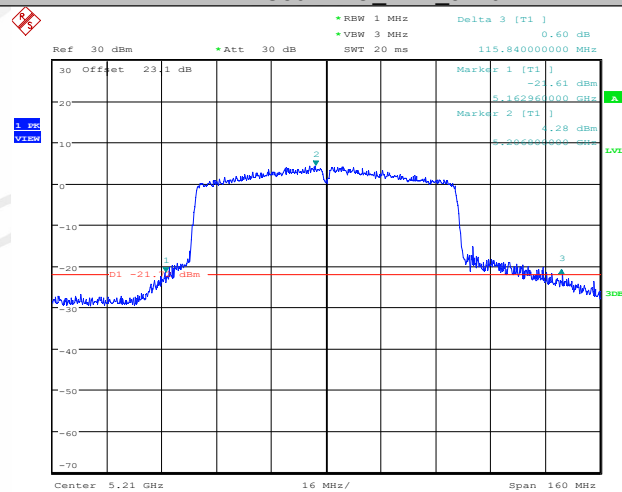
Date: 26.JAN.2024 09:56:57

## 11AC80MIMO\_Ant1\_5210



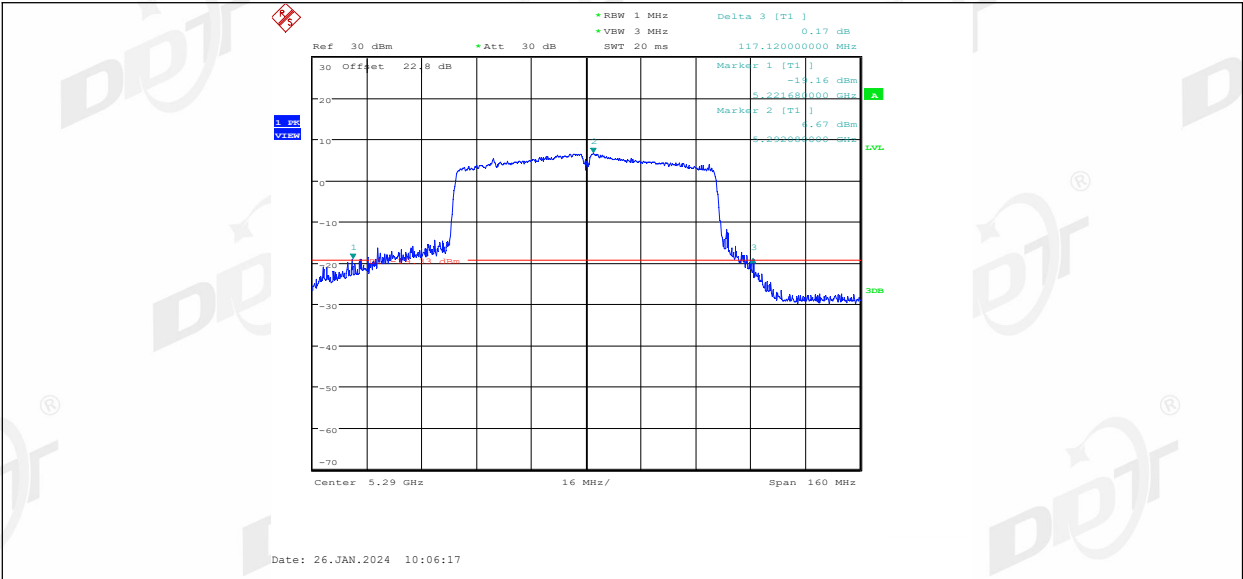
Date: 26.JAN.2024 10:00:01

## 11AC80MIMO\_Ant2\_5210

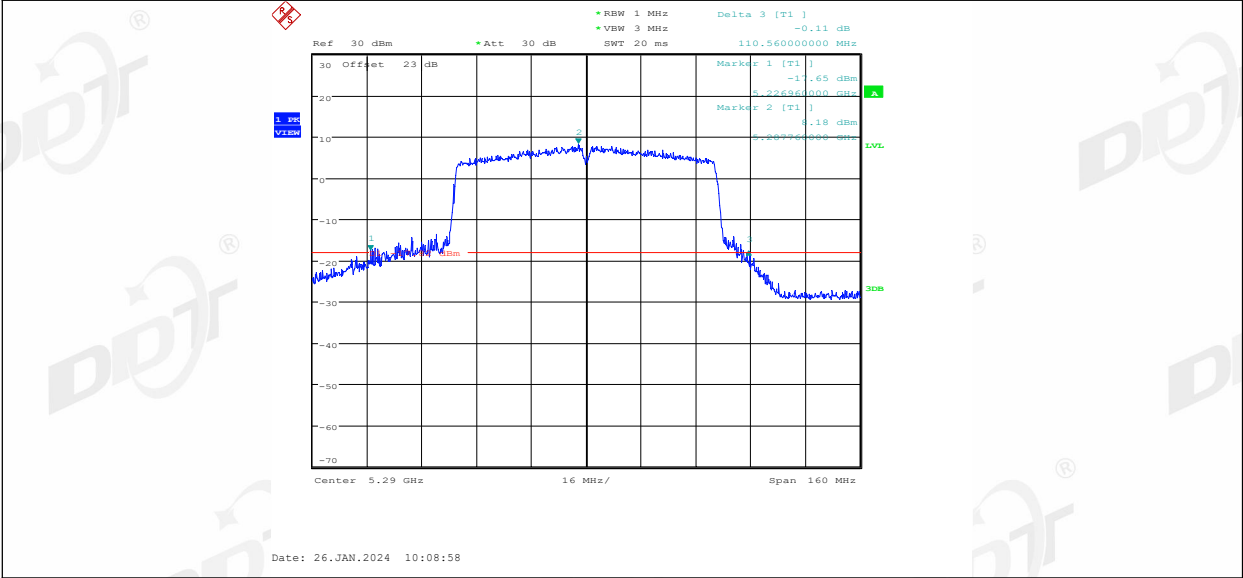


Date: 26.JAN.2024 10:02:39

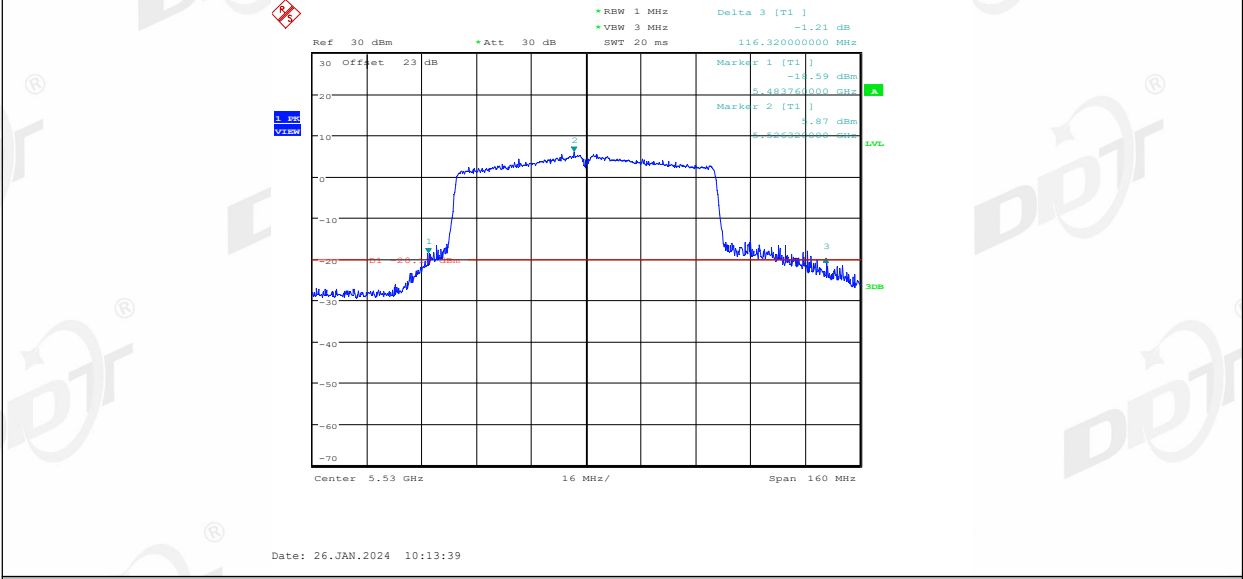
## 11AC80MIMO\_Ant1\_5290



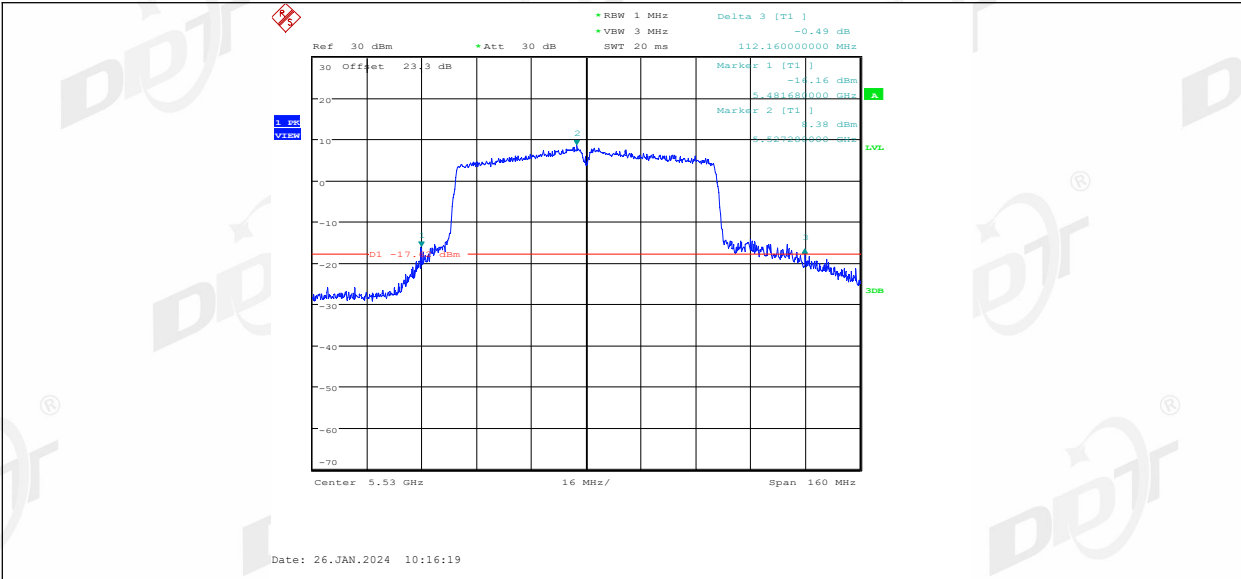
11AC80MIMO\_Ant2\_5290



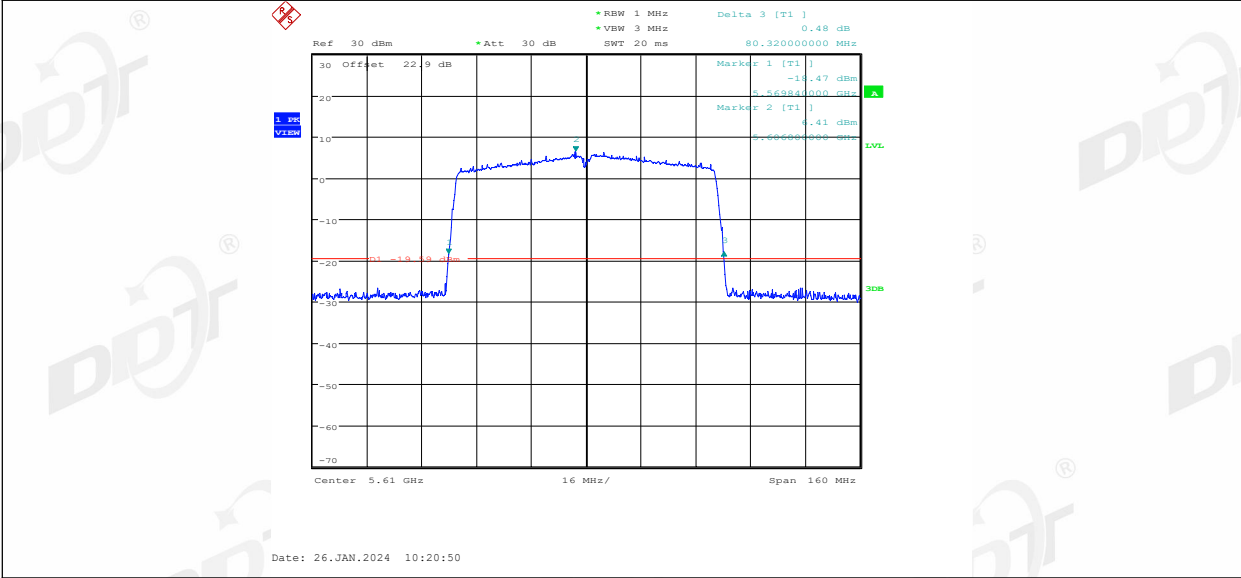
11AC80MIMO\_Ant1\_5530



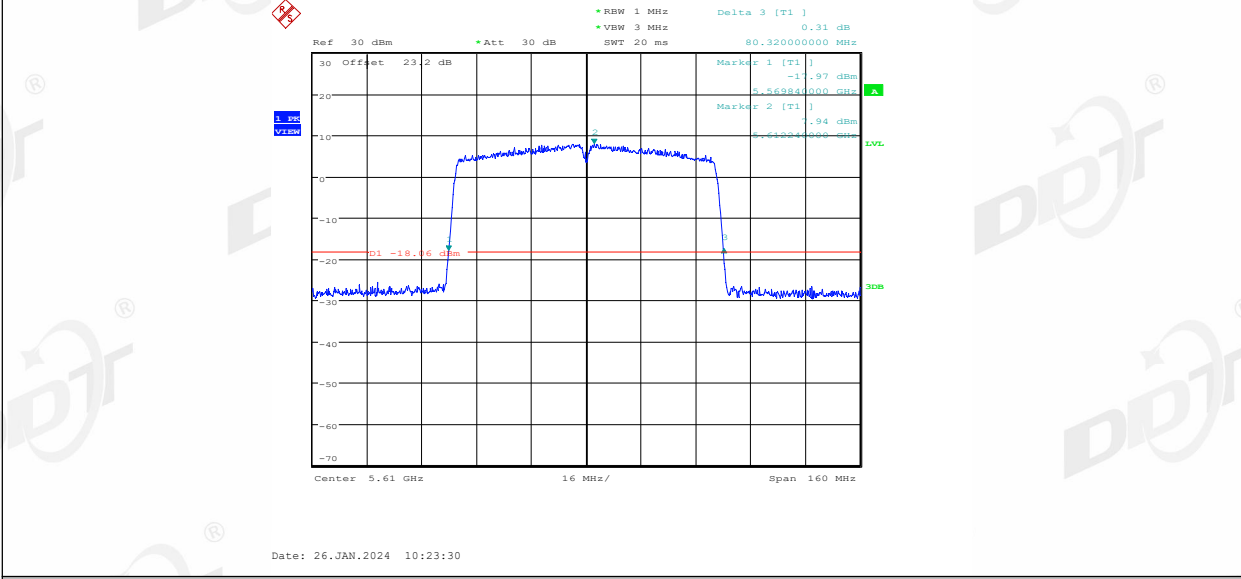
11AC80MIMO\_Ant2\_5530



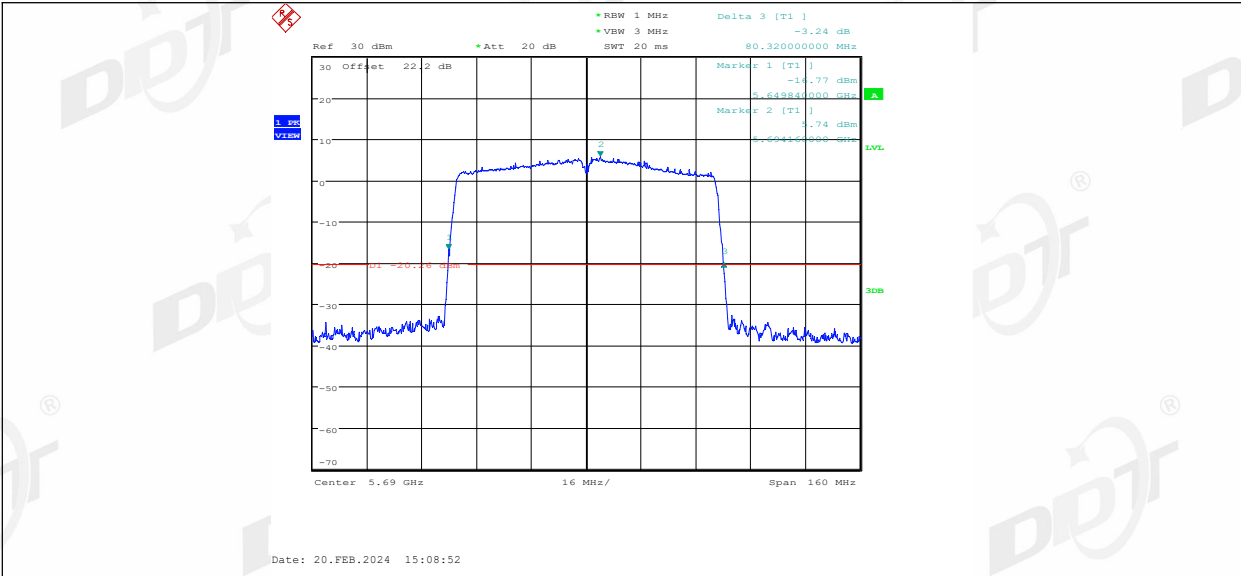
11AC80MIMO\_Ant1\_5610



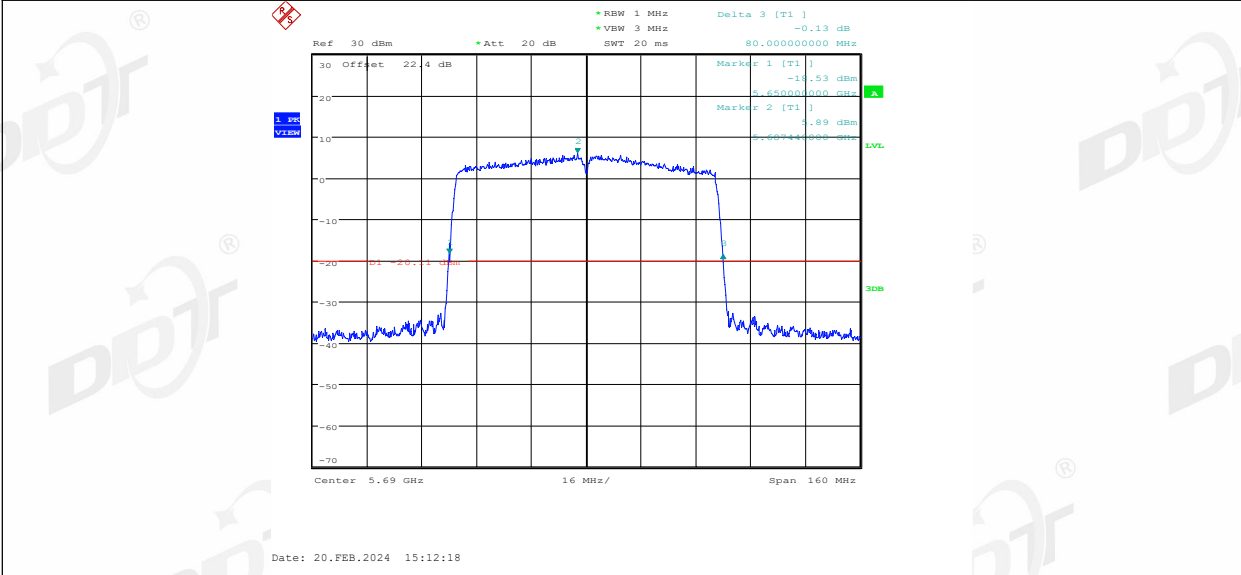
11AC80MIMO\_Ant2\_5610



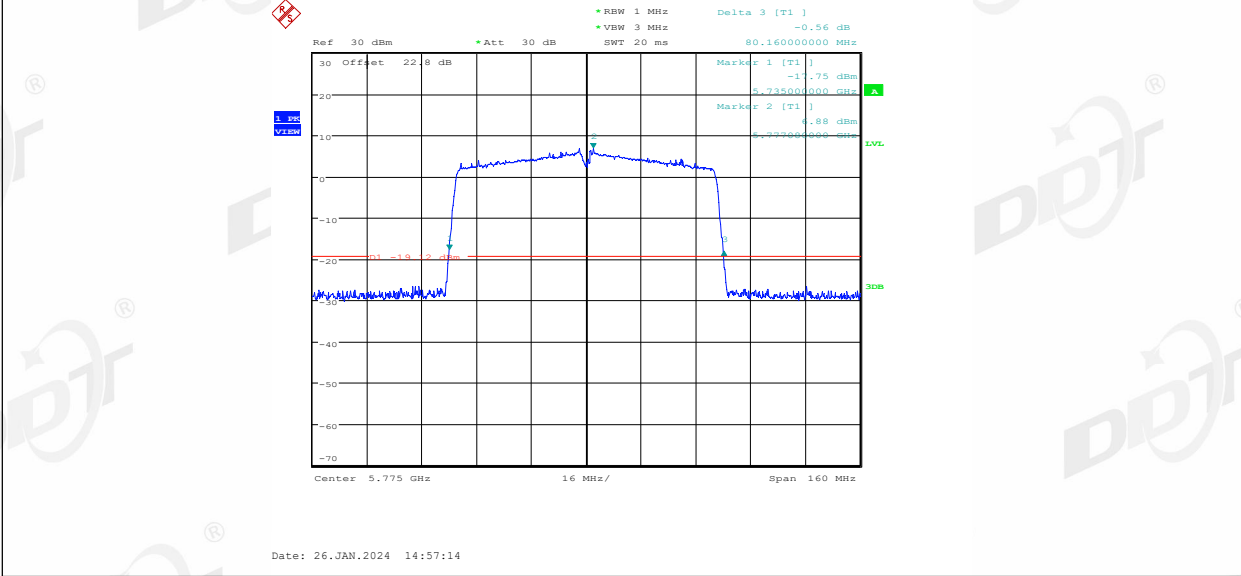
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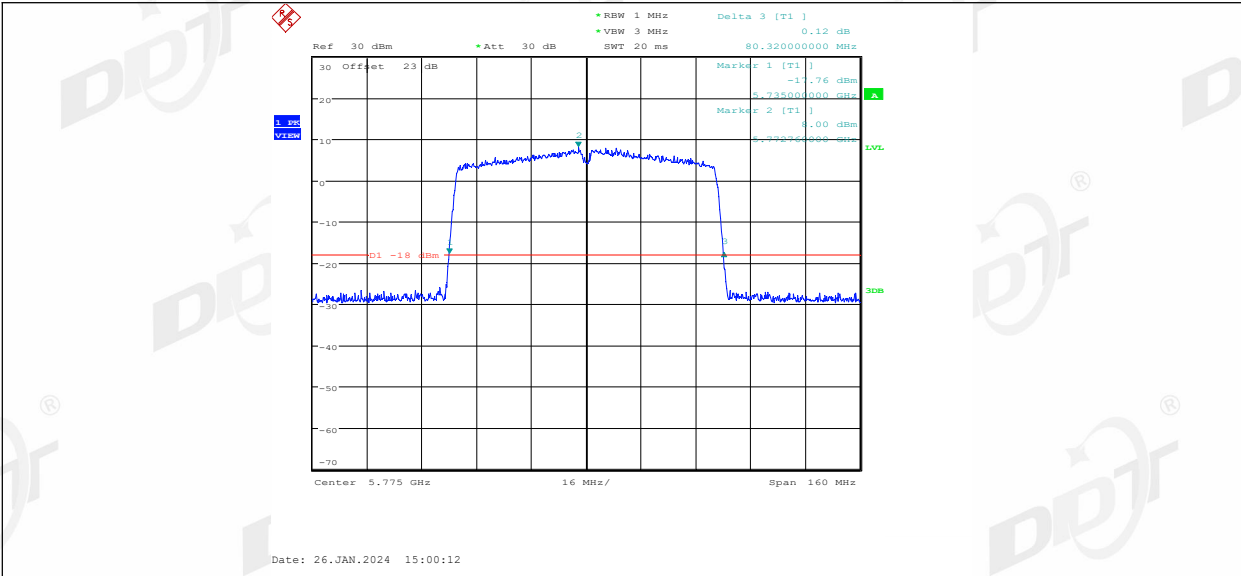
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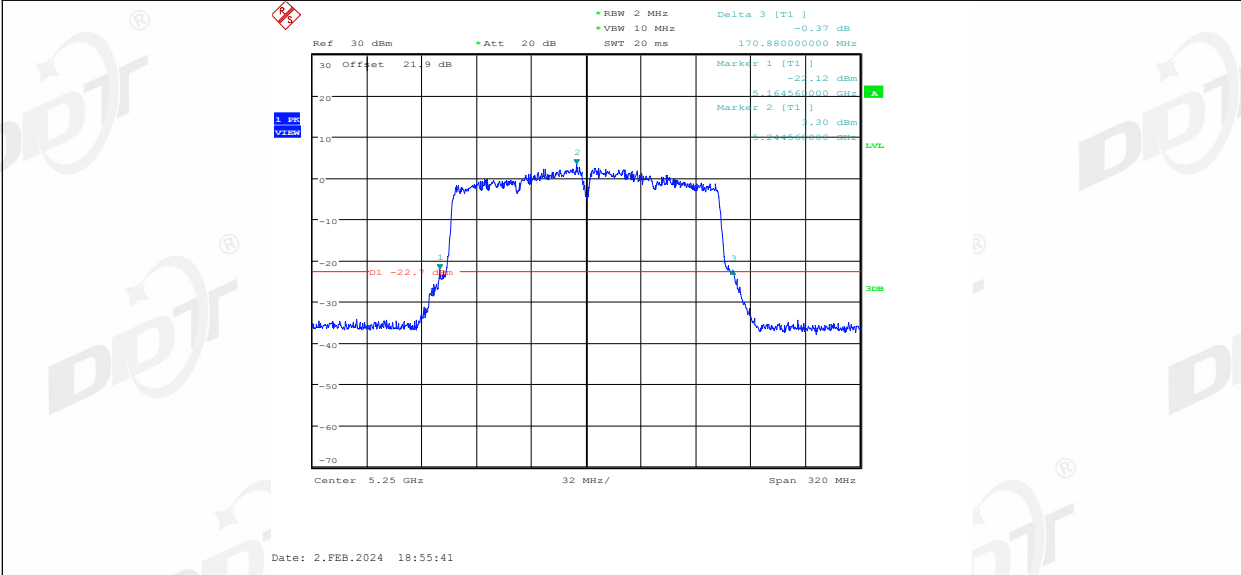
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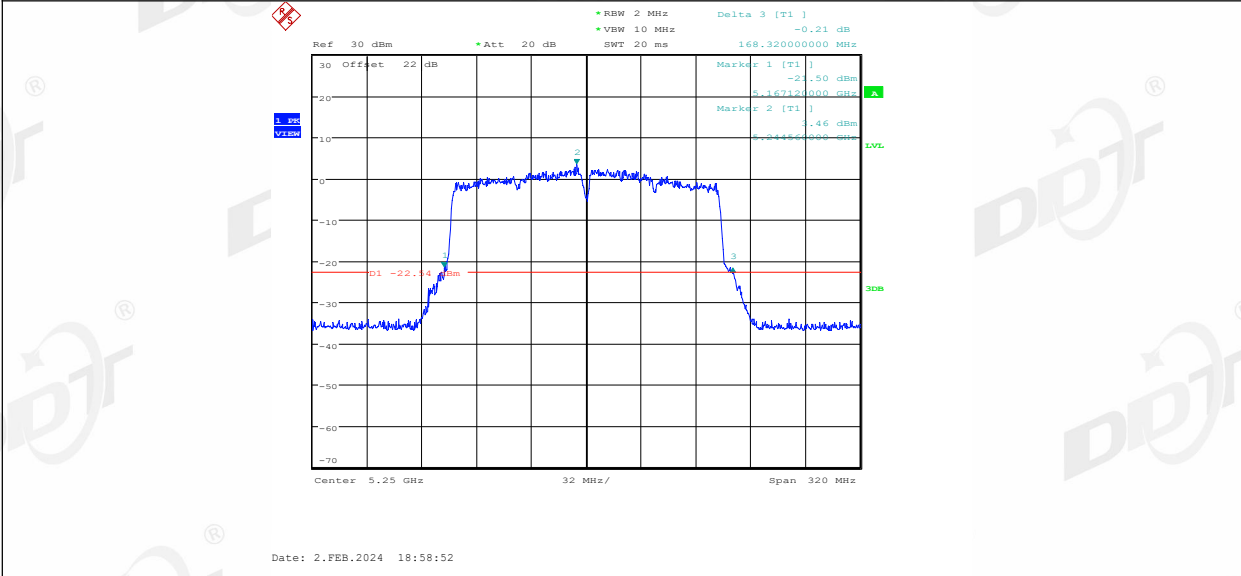
11AC80MIMO\_Ant2\_5775



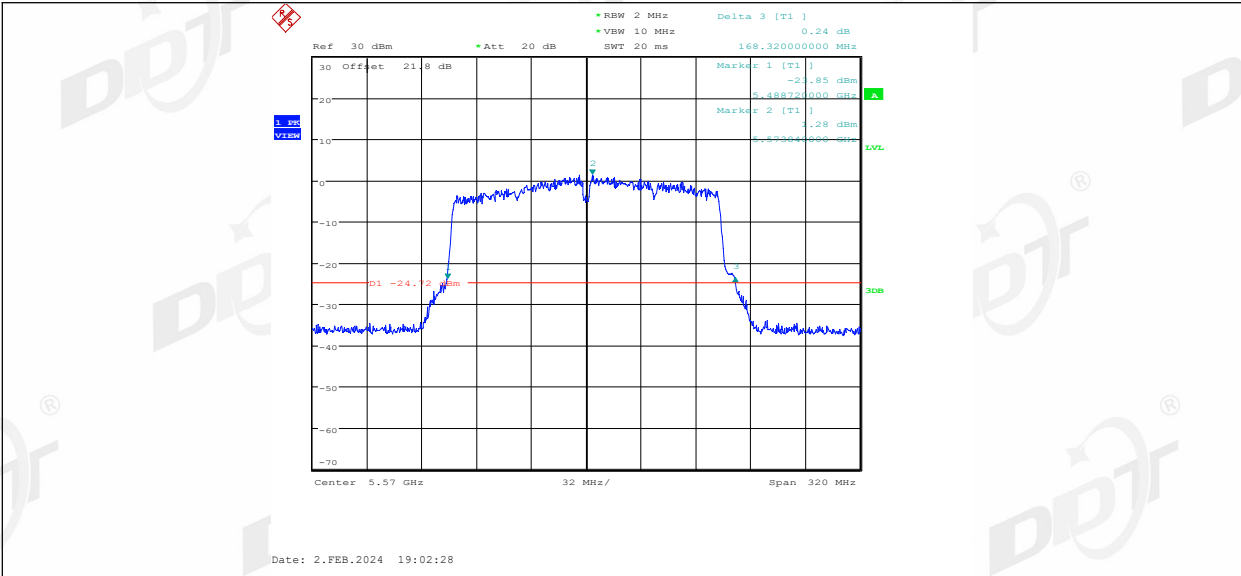
11AC160MIMO\_Ant1\_5250



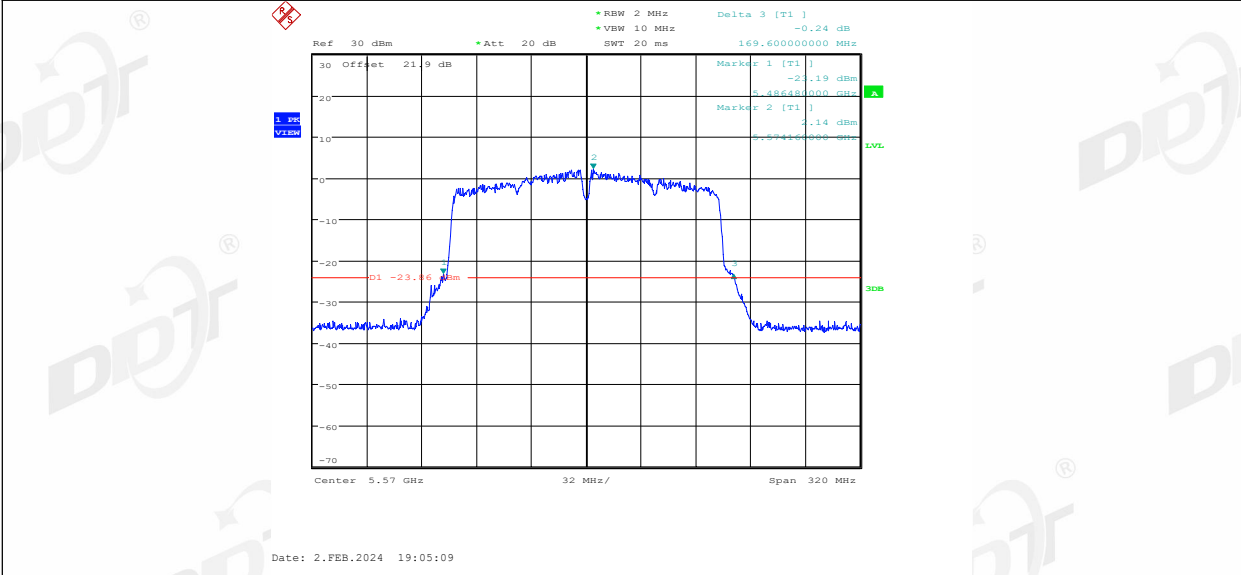
11AC160MIMO\_Ant2\_5250



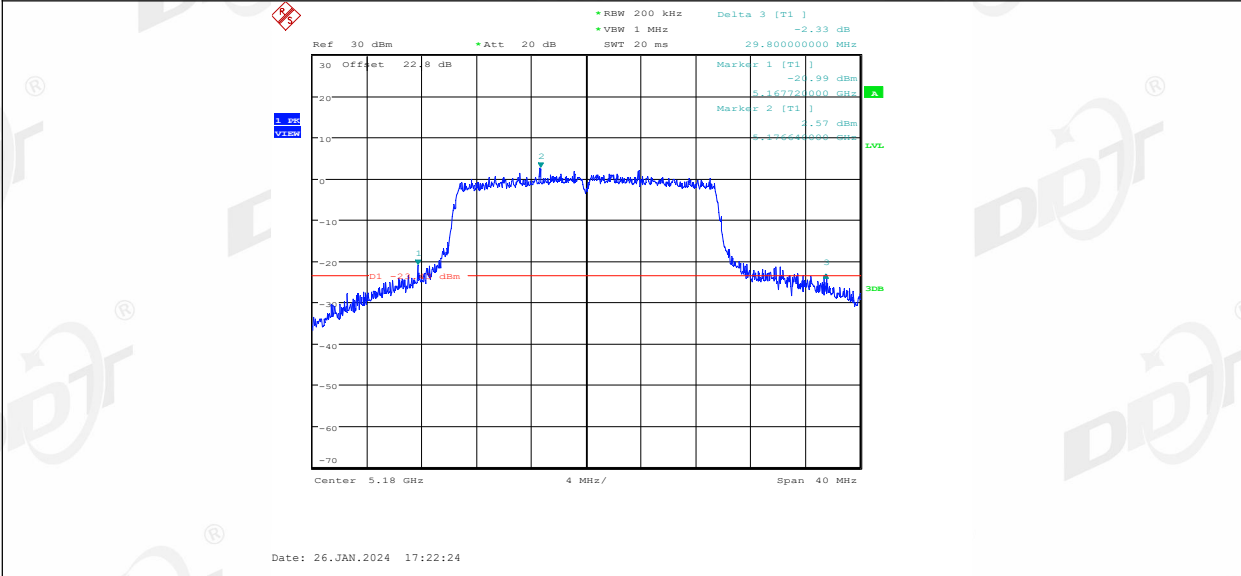
11AC160MIMO\_Ant1\_5570



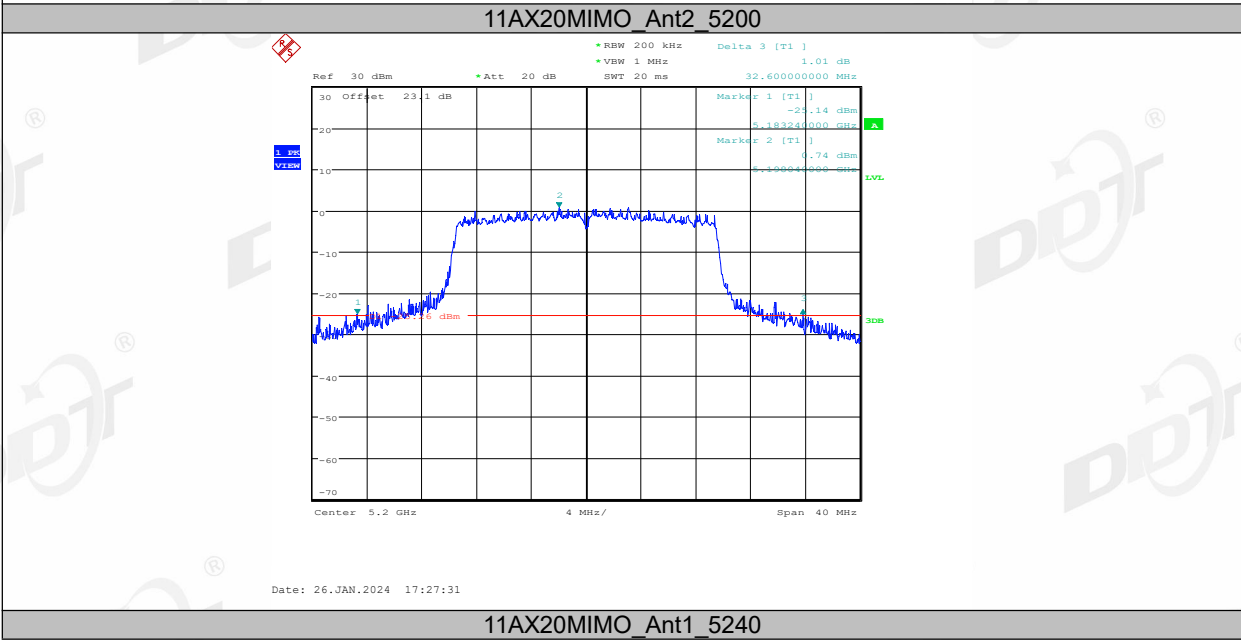
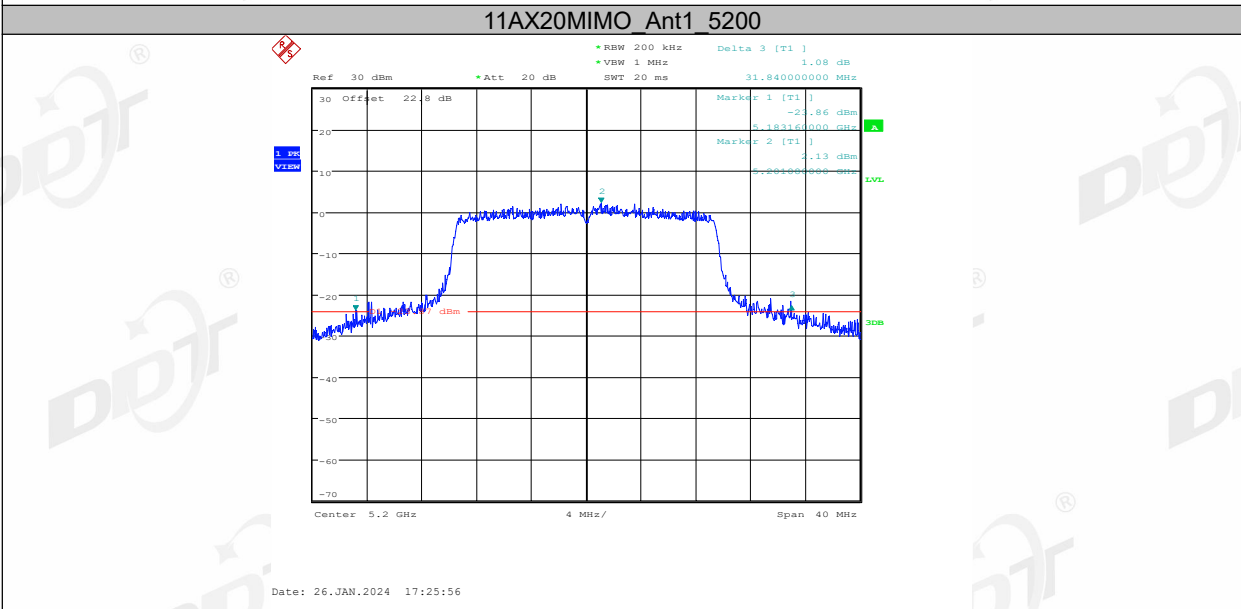
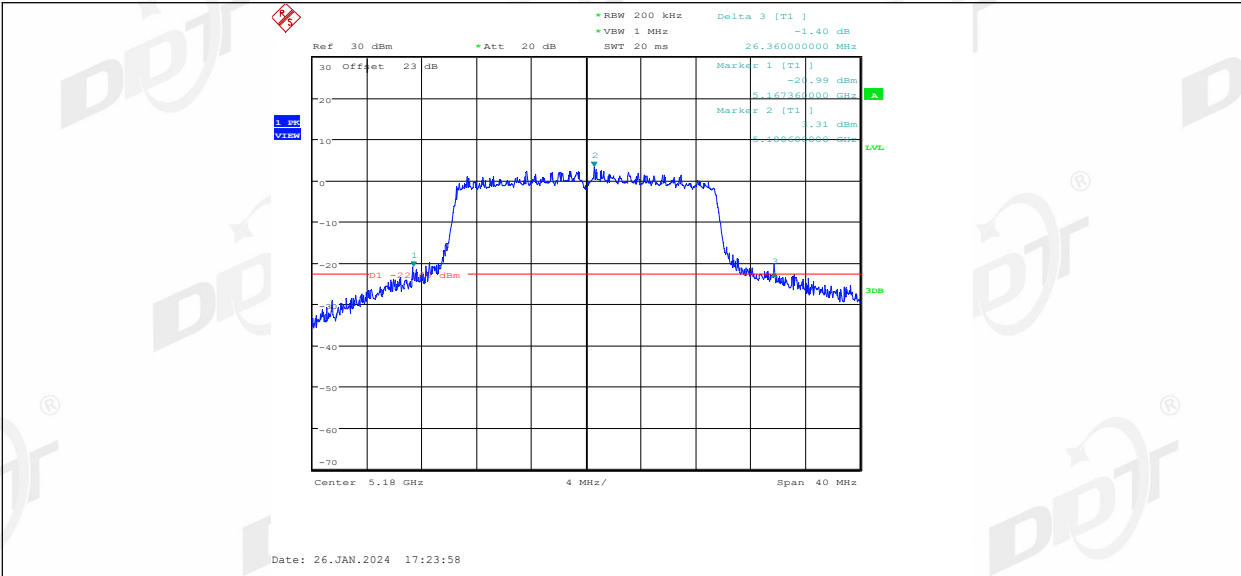
11AC160MIMO\_Ant2\_5570

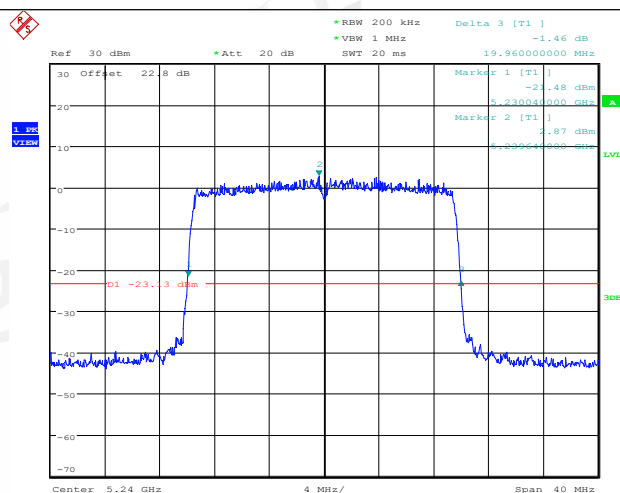


11AX20MIMO\_Ant1\_5180



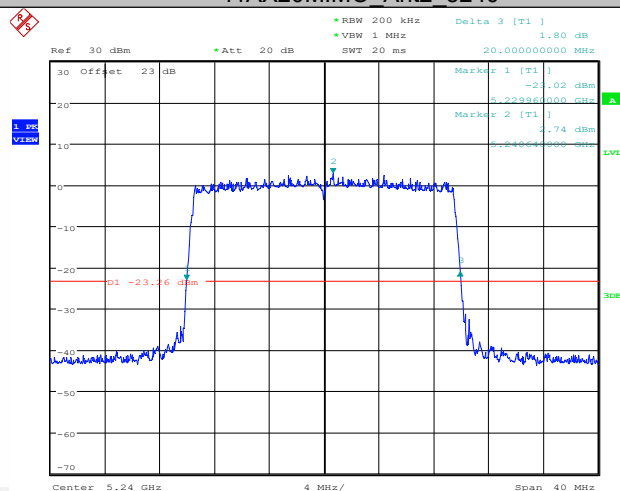
11AX20MIMO\_Ant2\_5180





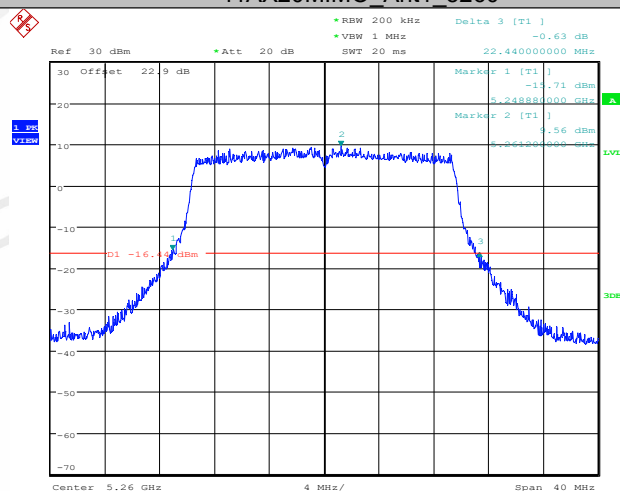
Date: 26.JAN.2024 17:30:45

## 11AX20MIMO Ant2 5240



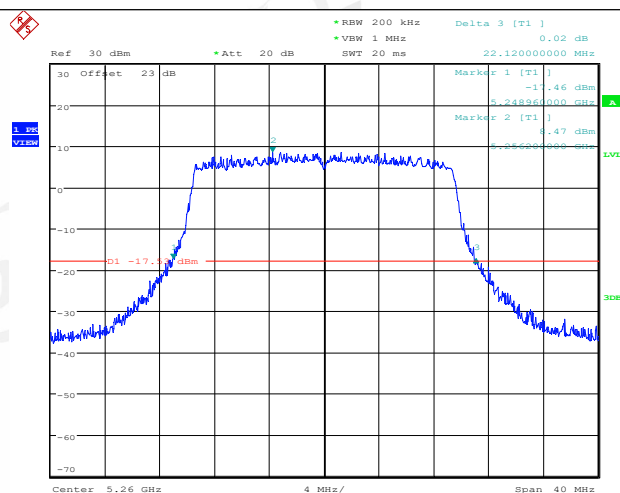
Date: 26.JAN.2024 17:32:18

## 11AX20MIMO Ant1 5260



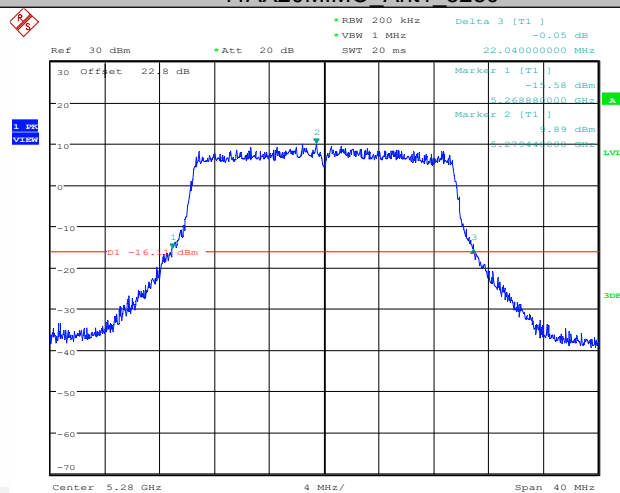
Date: 26.JAN.2024 17:34:37

## 11AX20MIMO Ant2 5260



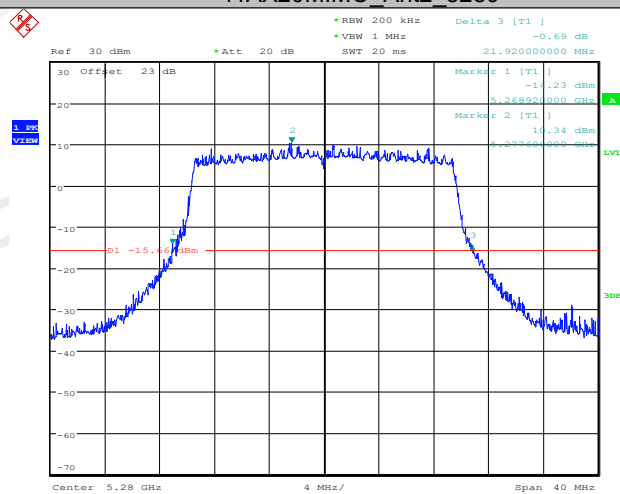
Date: 26.JAN.2024 17:36:11

## 11AX20MIMO Ant1 5280



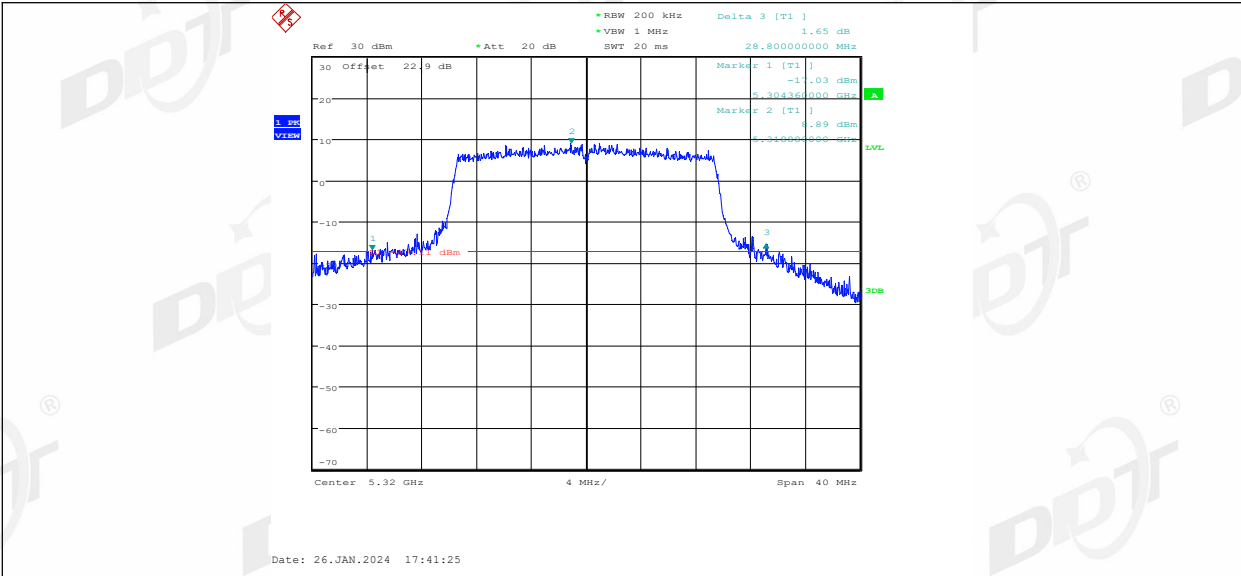
Date: 26.JAN.2024 17:37:56

## 11AX20MIMO\_Ant2\_5280

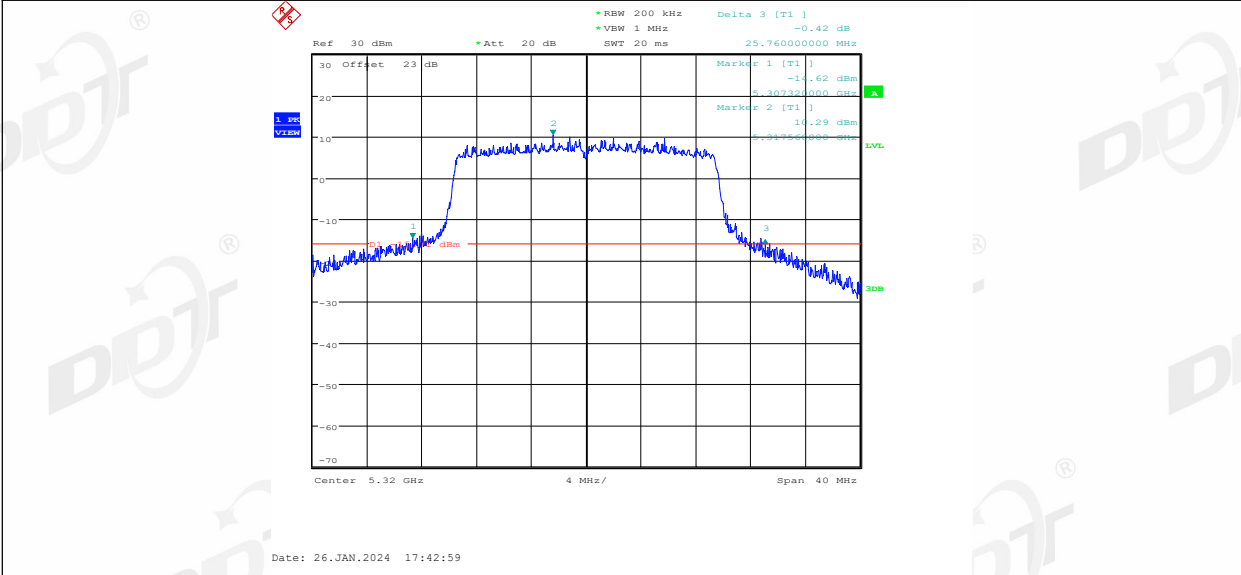


Date: 26.JAN.2024 17:39:29

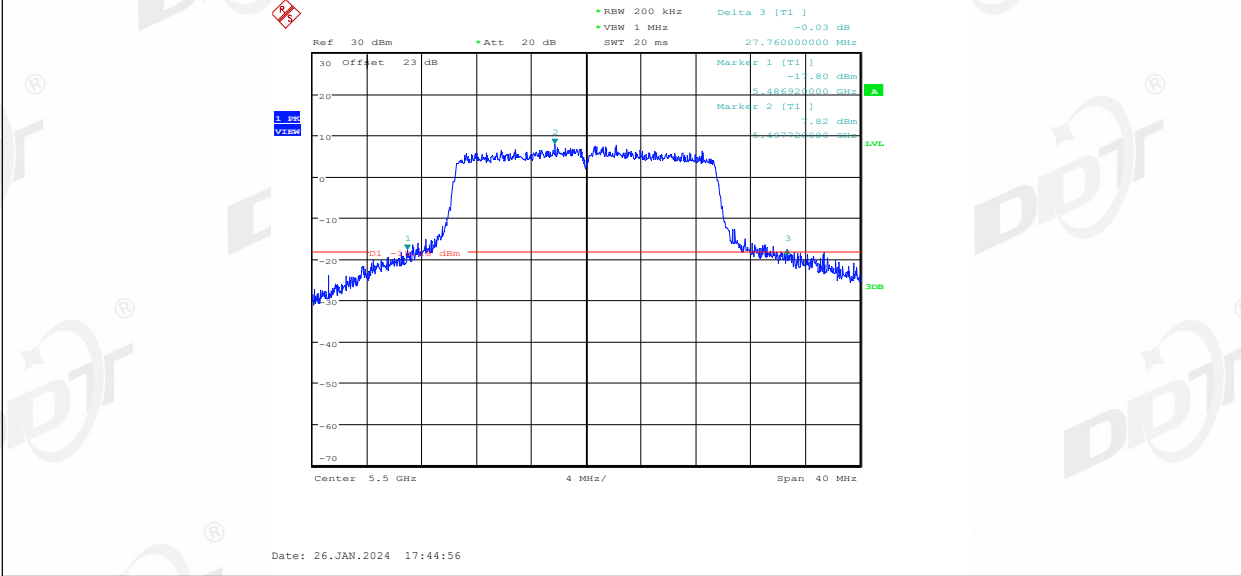
## 11AX20MIMO Ant1 5320



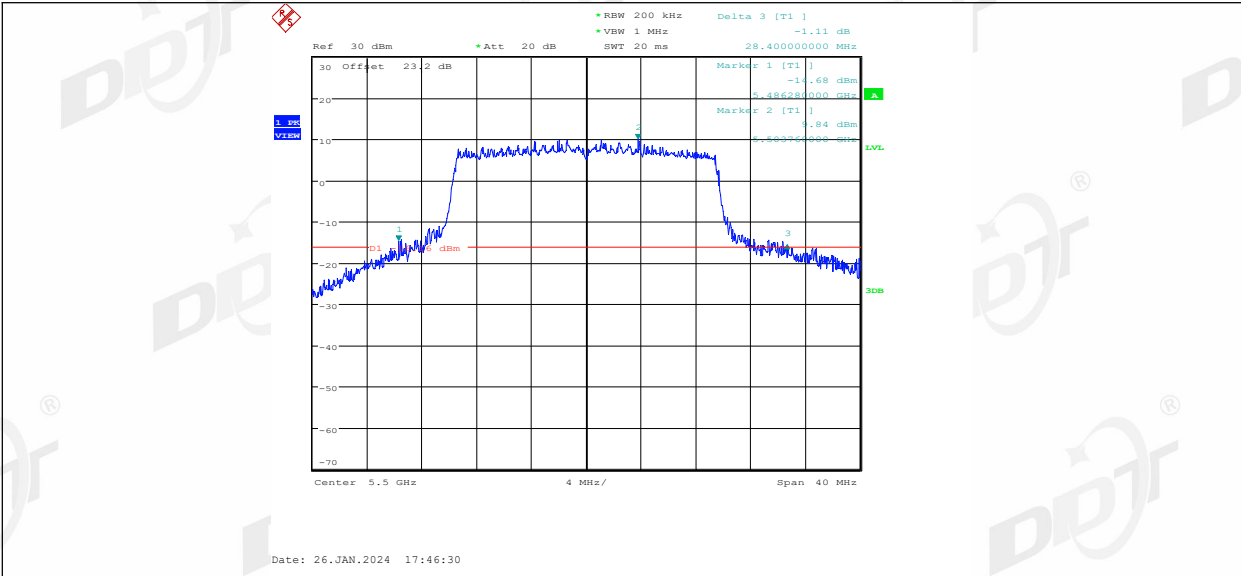
11AX20MIMO\_Ant2\_5320



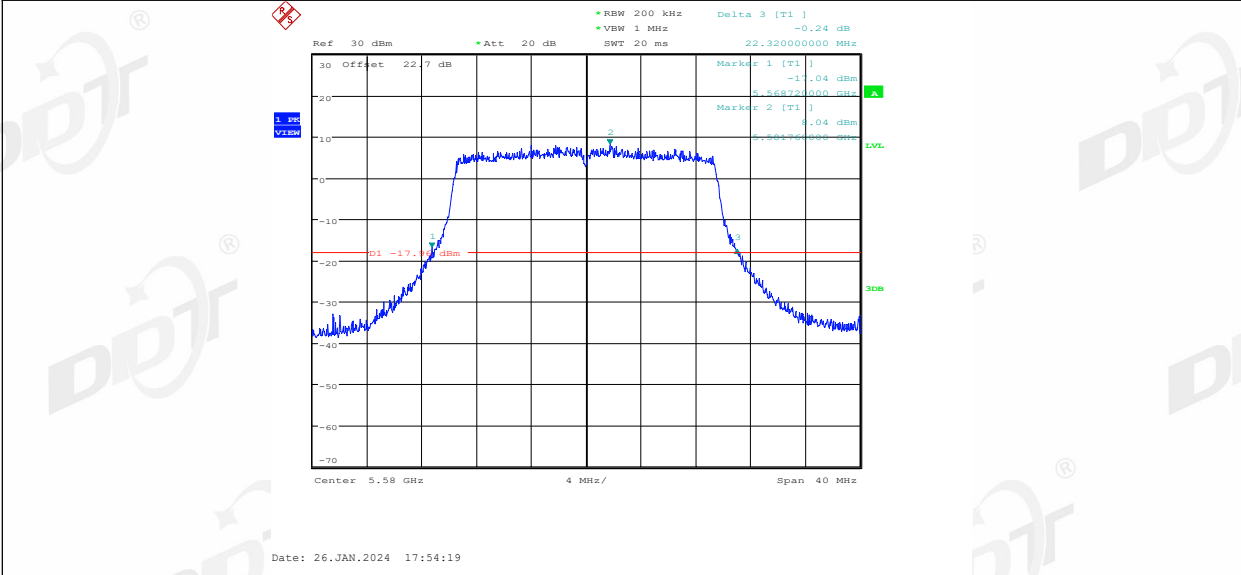
11AX20MIMO\_Ant1\_5500



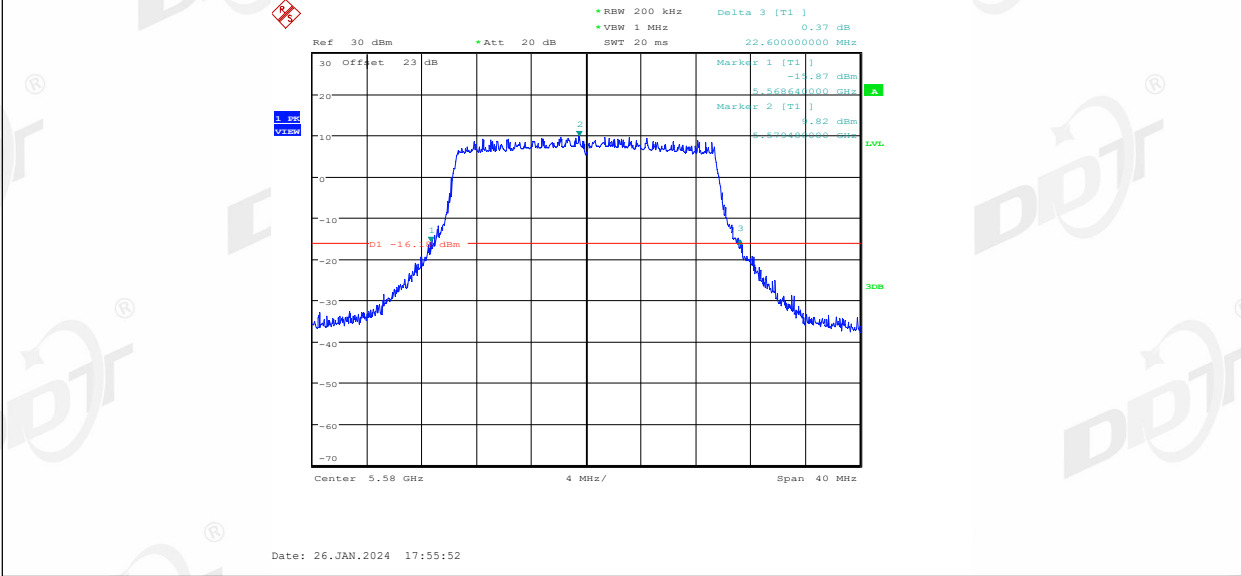
11AX20MIMO\_Ant2\_5500



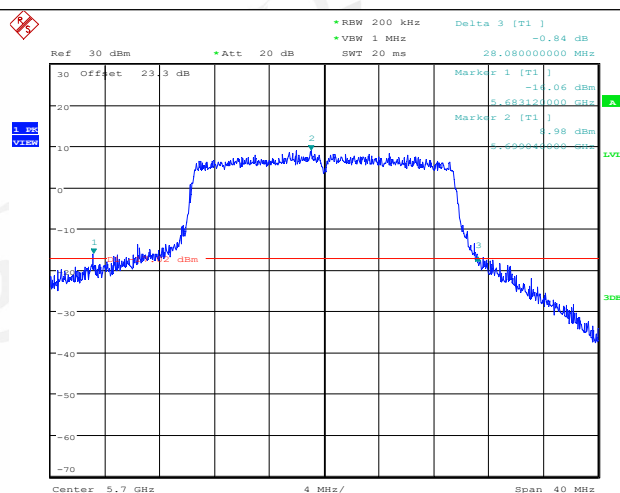
11AX20MIMO\_Ant1\_5580



11AX20MIMO\_Ant2\_5580

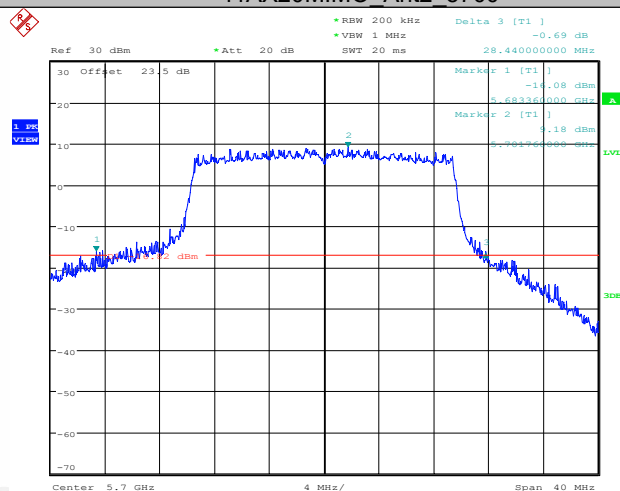


11AX20MIMO\_Ant1\_5700



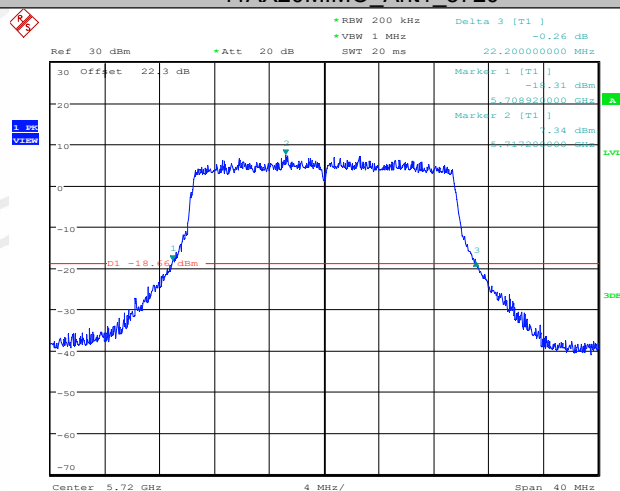
Date: 26.JAN.2024 17:57:48

11AX20MIMO Ant2 5700



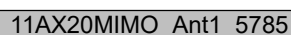
Date: 26.JAN.2024 17:59:21

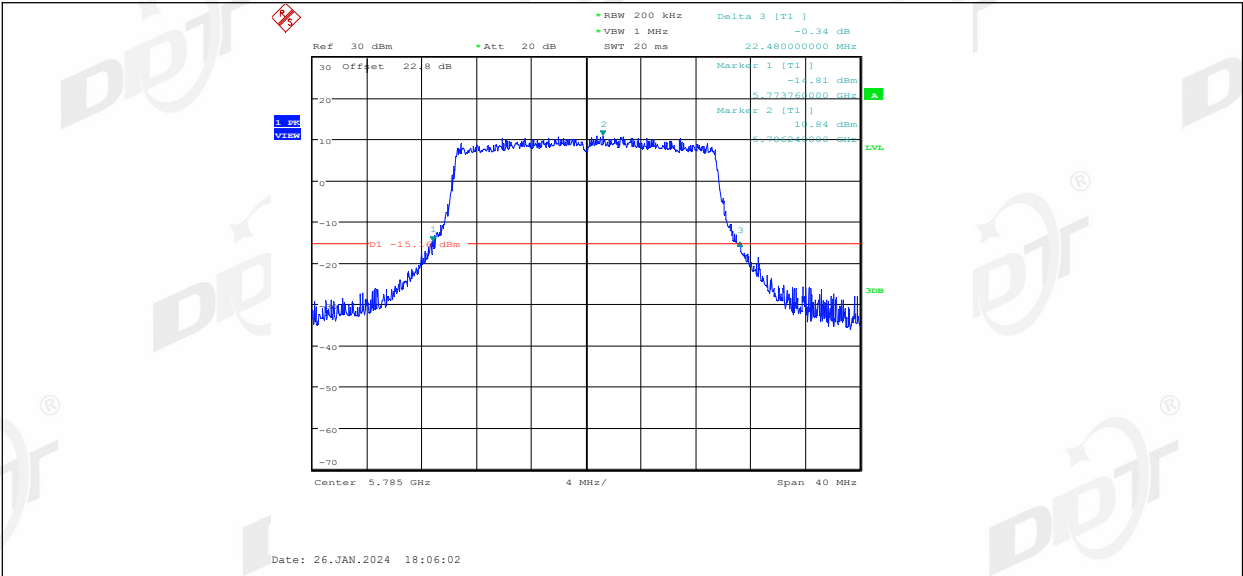
11AX20MIMO Ant1 5720



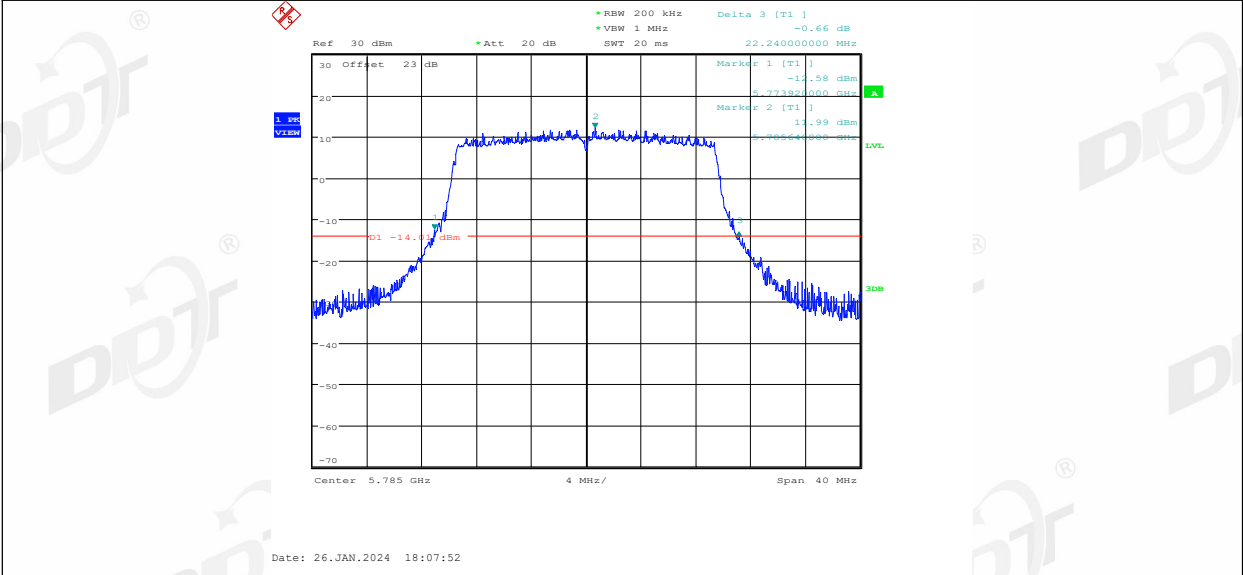
Date: 20.FEB.2024 15:21:16

11AX20MIMO Ant2 5720

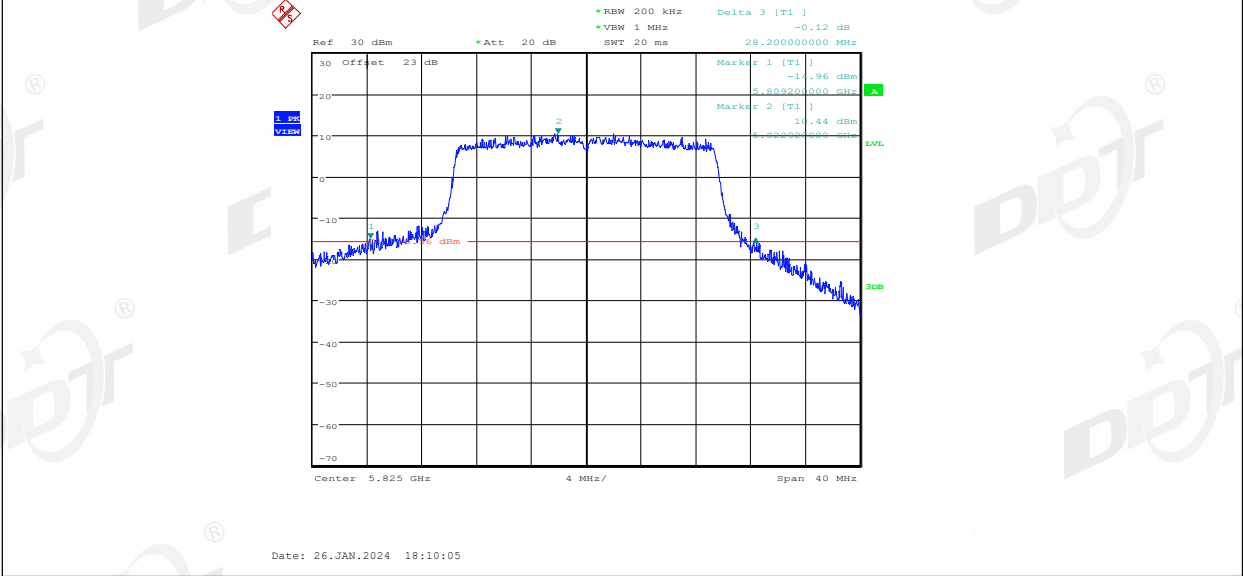




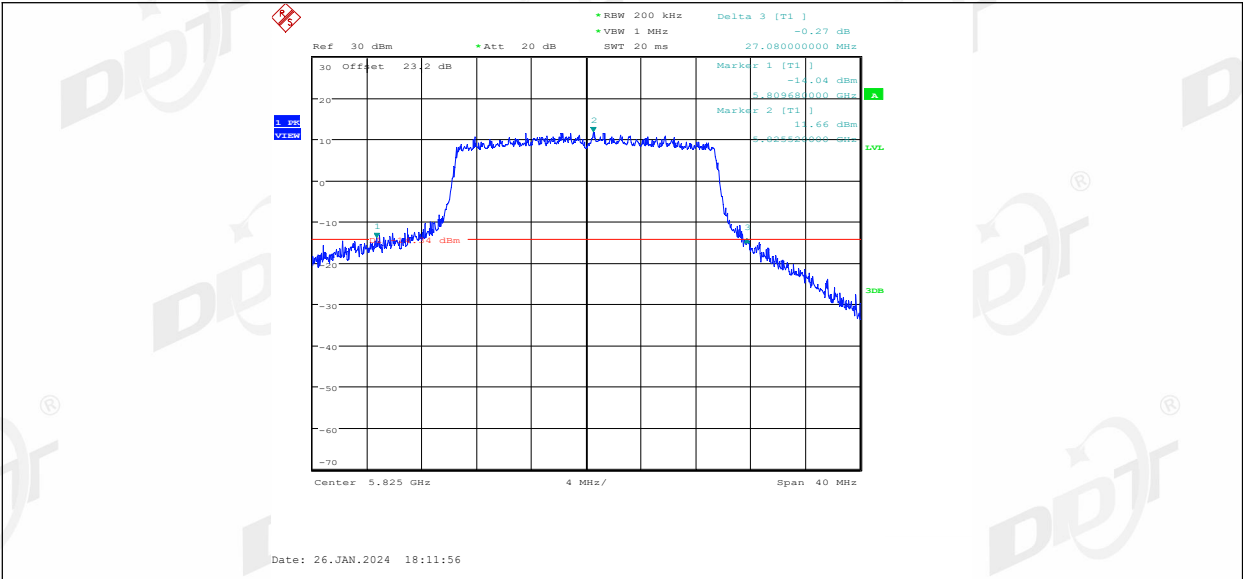
11AX20MIMO\_Ant2\_5785



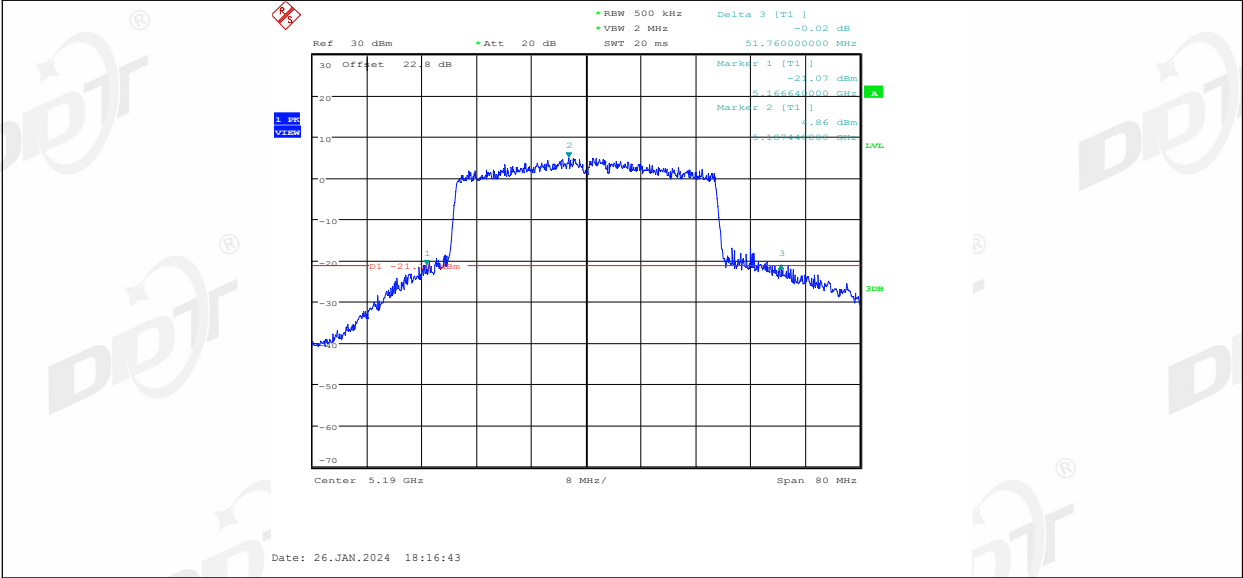
11AX20MIMO\_Ant1\_5825



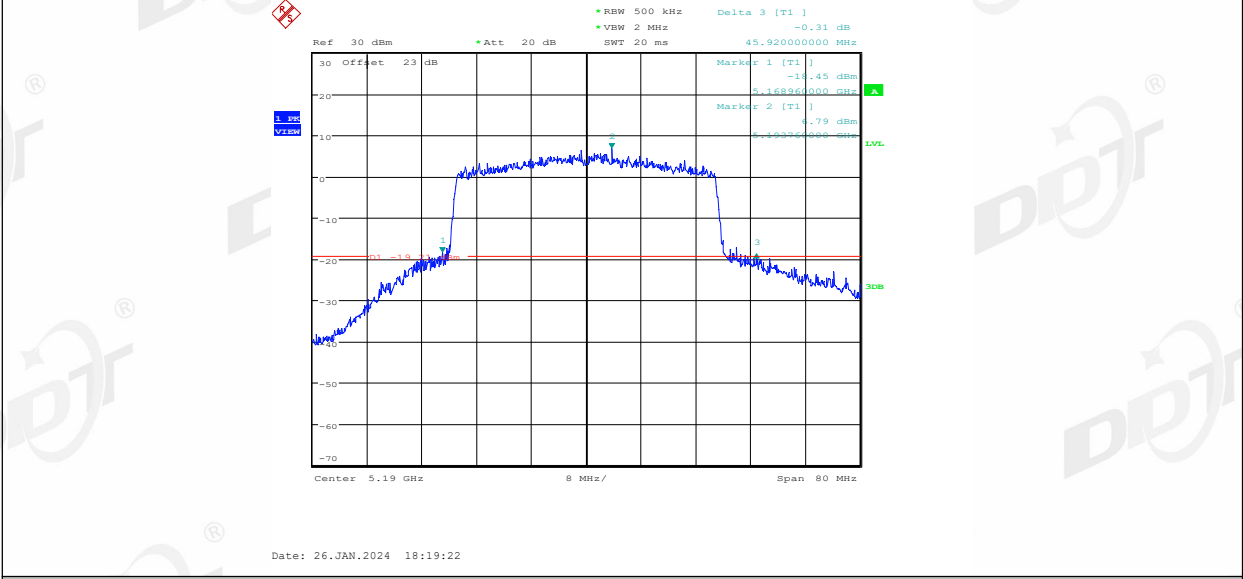
11AX20MIMO\_Ant2\_5825



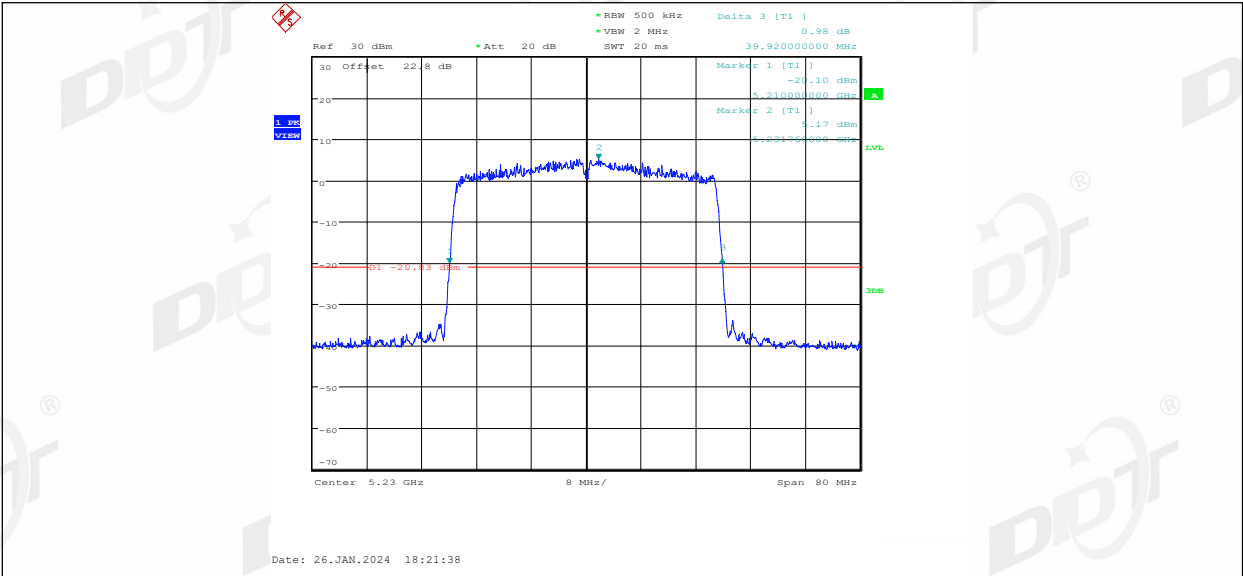
11AX40MIMO\_Ant1\_5190



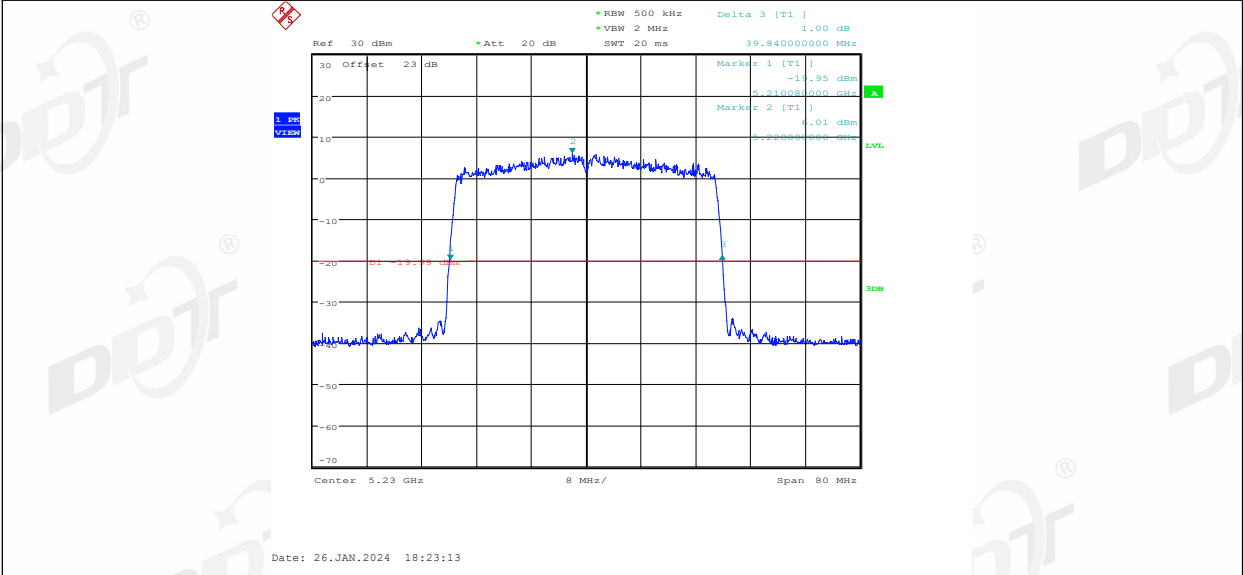
11AX40MIMO\_Ant2\_5190



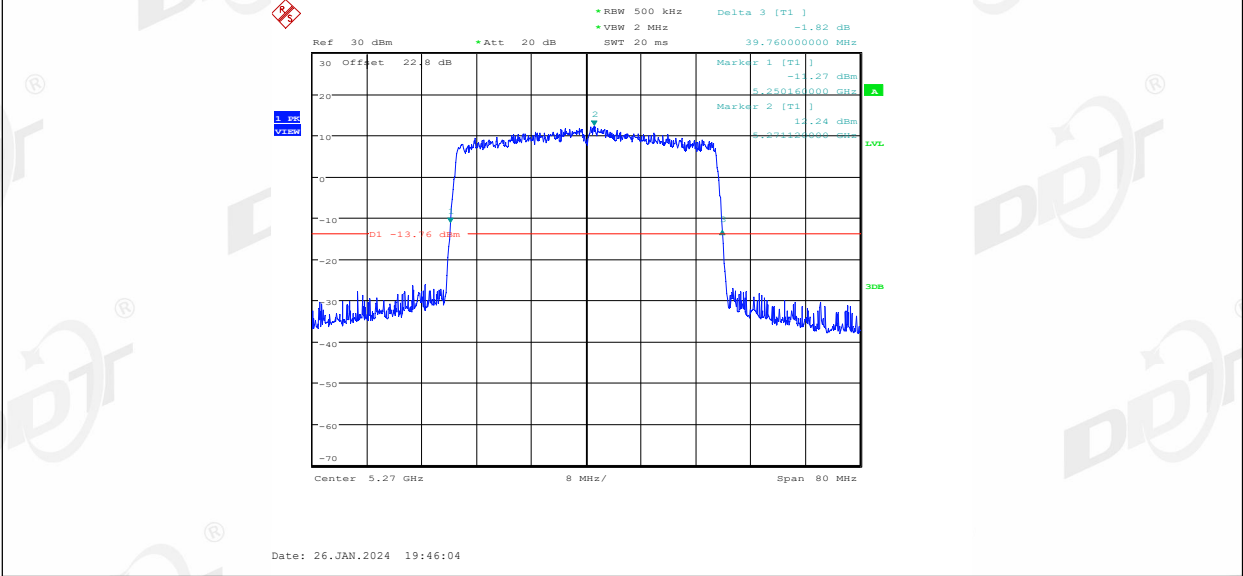
11AX40MIMO\_Ant1\_5230



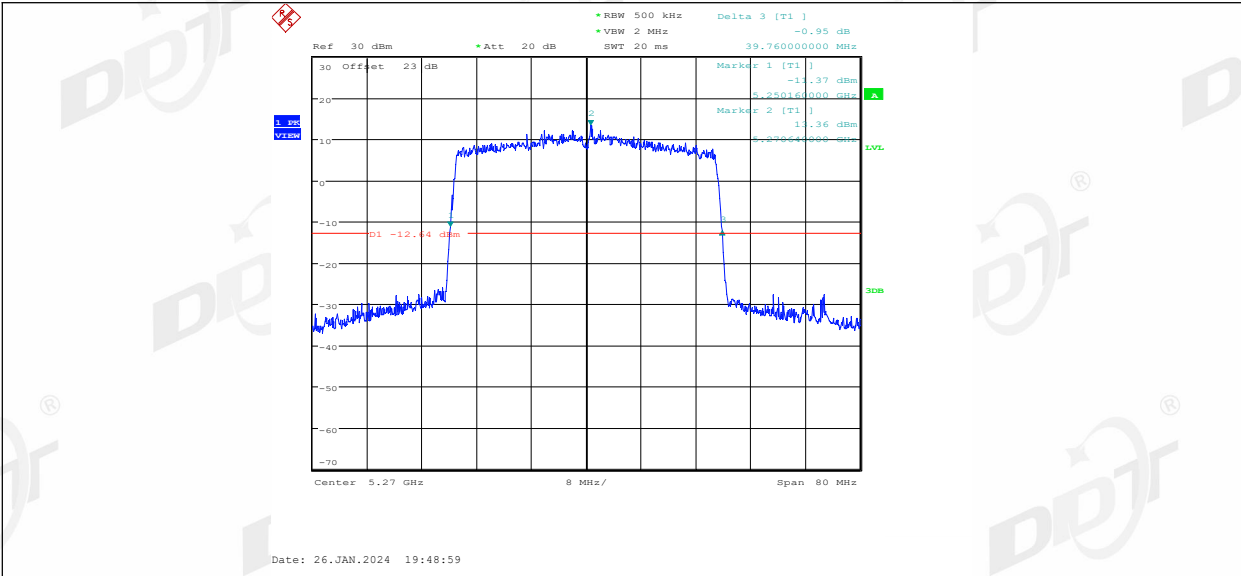
11AX40MIMO\_Ant2\_5230



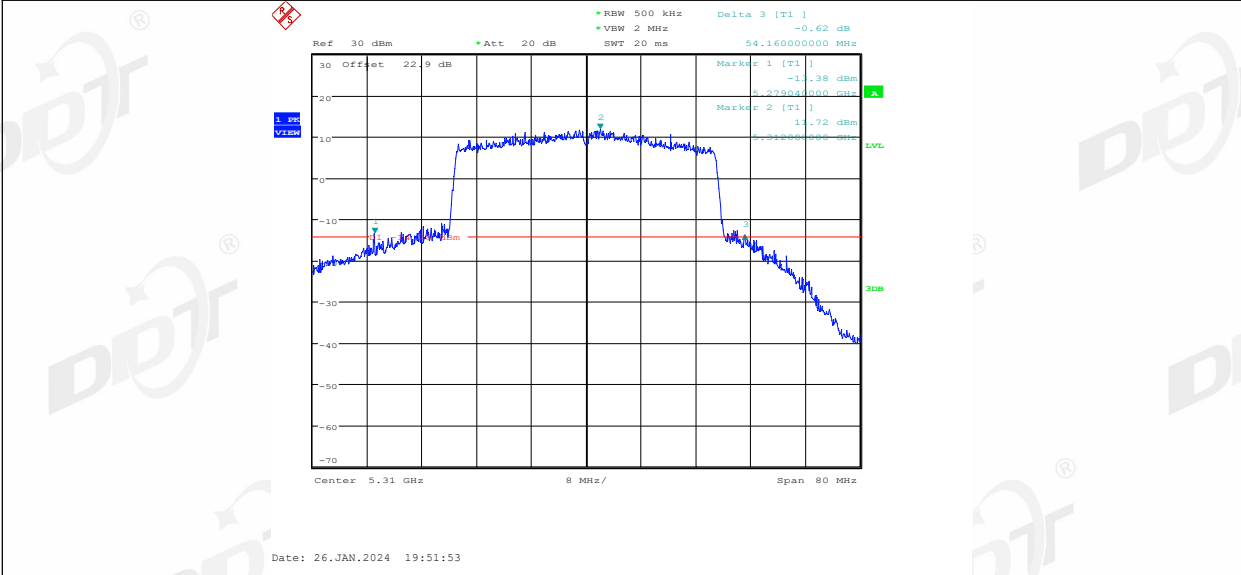
11AX40MIMO\_Ant1\_5270



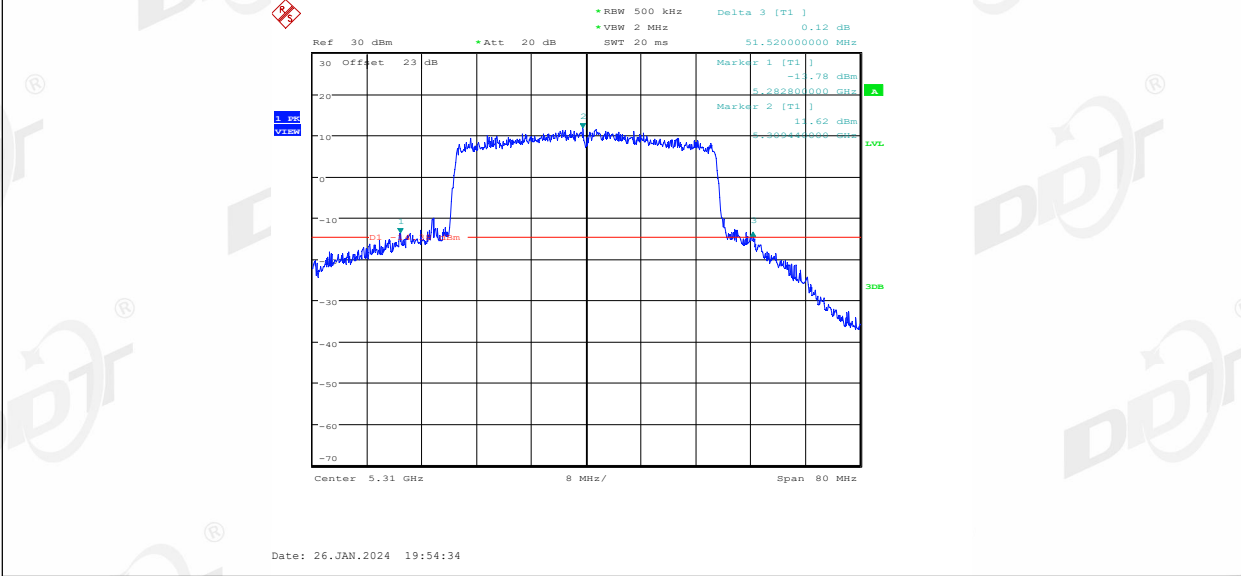
11AX40MIMO\_Ant2\_5270



11AX40MIMO\_Ant1\_5310



11AX40MIMO\_Ant2\_5310



11AX40MIMO\_Ant1\_5510



Ref 30 dBm      \*Att 20 dB      Delta 3 [T1]      0.96 dB  
 SWT 20 ms      49.360000000 MHz

30 Offset 23.3 dB      Marker 1 [T1]      -10.45 dBm      5.487000000 GHz  
 20      Marker 2 [T1]      -14.19 dBm      5.506140000 GHz  
 10      01 -14.19 dBm

1.9% VdBm

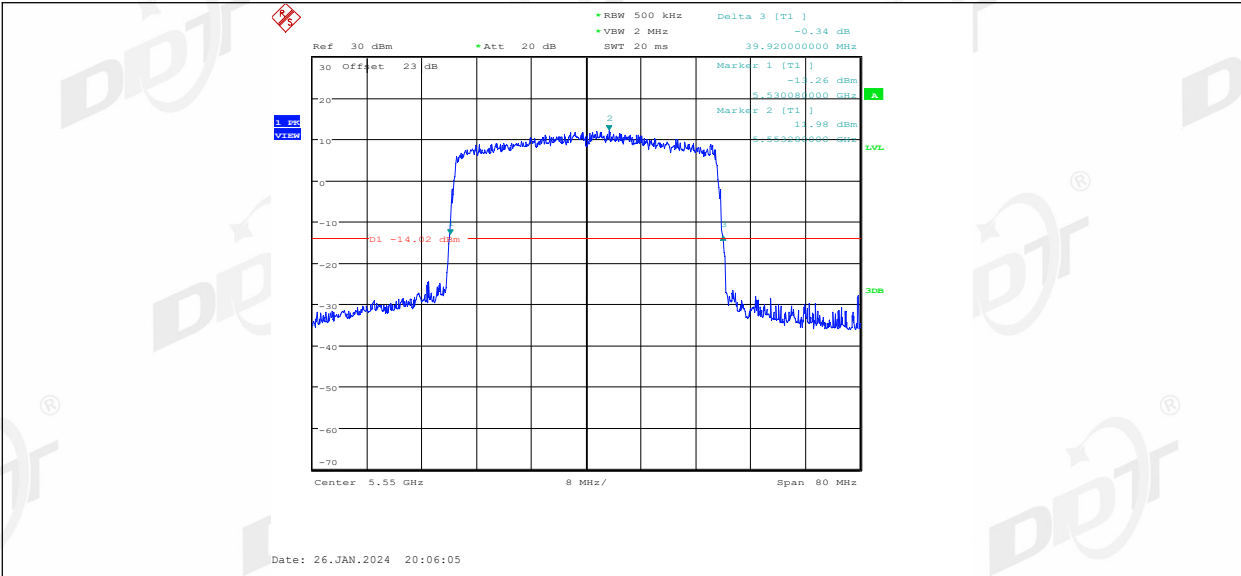
Center 5.51 GHz      8 MHz/      Span 80 MHz

Date: 26.JAN.2024 20:00:34

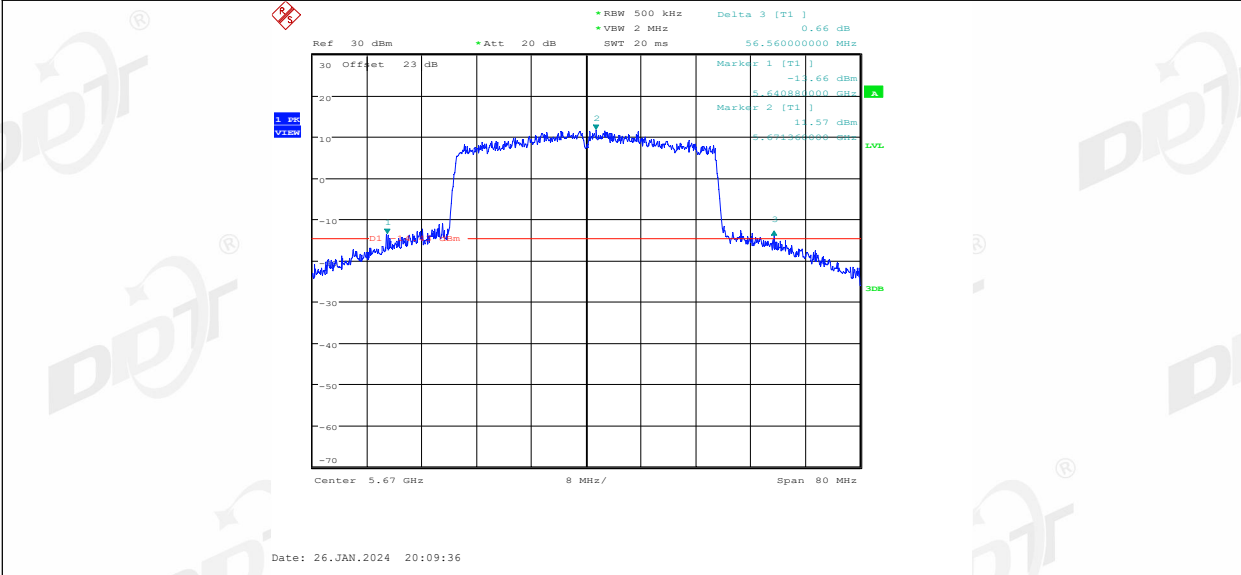
\*RBW 500 kHz Delta 3 [T1] -0.11 dB  
 \*VBW 2 MHz  
 SWT 20 ms 39.68000000 MHz  
 Ref 30 dBm \*Att 20 dB  
 30 Offset 22.8 dB  
 1.95 VdBm  
 G1 -14.13 dBm  
 Marker 1 [T1] -10.30 dBm 5.55012000 GHz  
 Marker 2 [T1] -14.07 dBm 5.55000000 GHz  
 Center 5.55 GHz 8 MHz/ Span 80 MHz

Date: 26.JAN.2024 20:03:25

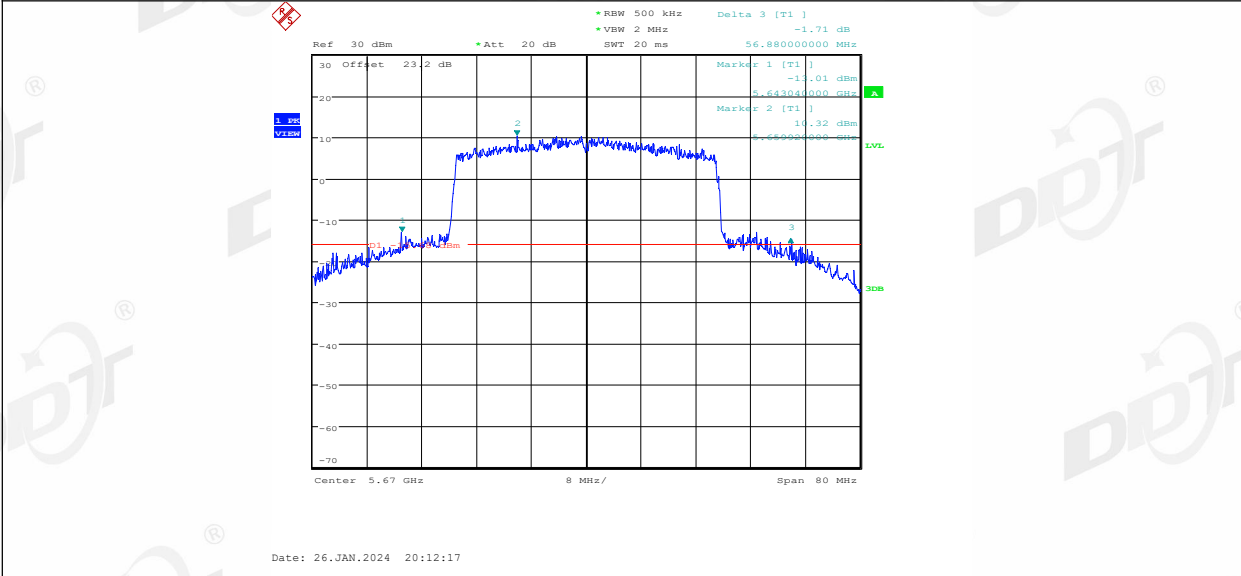
11AX40MIMO Ant2 5550



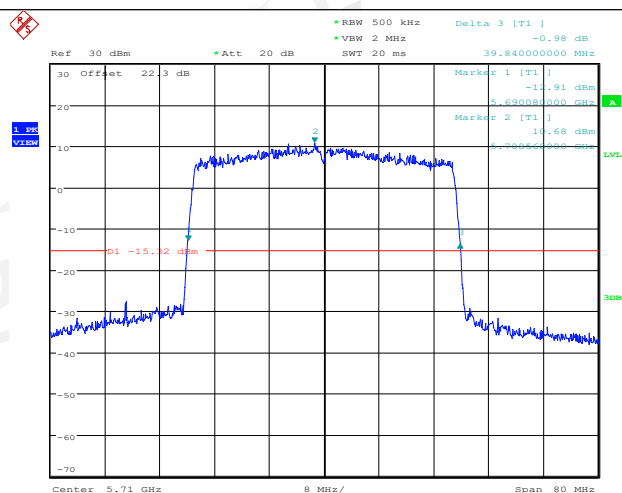
11AX40MIMO\_Ant1\_5670



11AX40MIMO\_Ant2\_5670

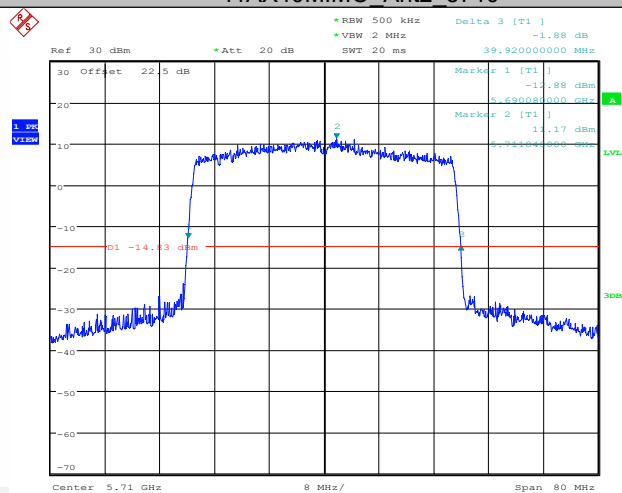


11AX40MIMO\_Ant1\_5710



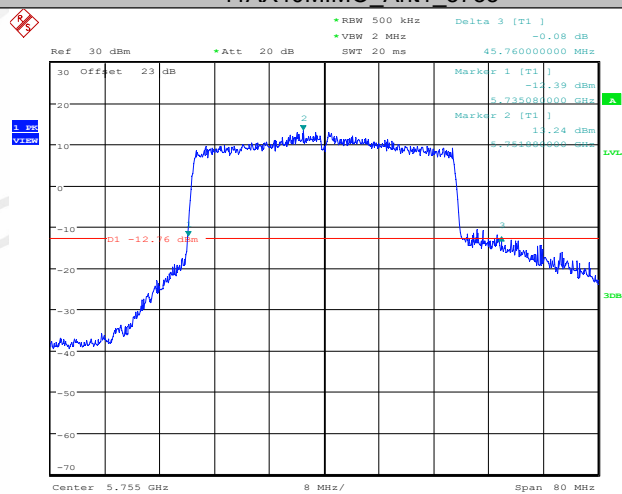
Date: 20.FEB.2024 15:26:31

## 11AX40MIMO Ant2 5710



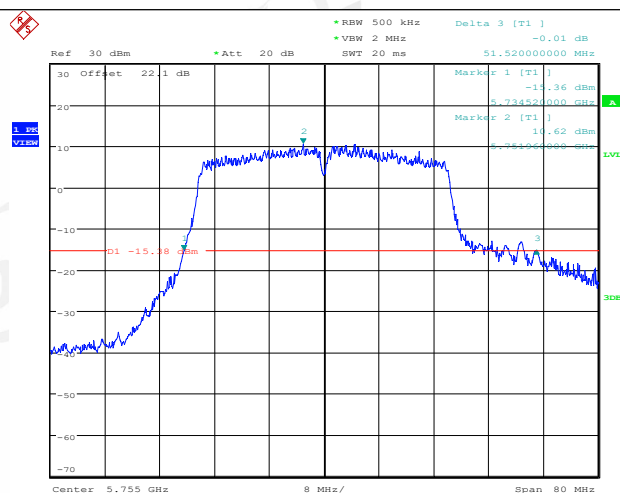
Date: 20.FEB.2024 15:31:07

## 11AX40MIMO\_Ant1\_5755



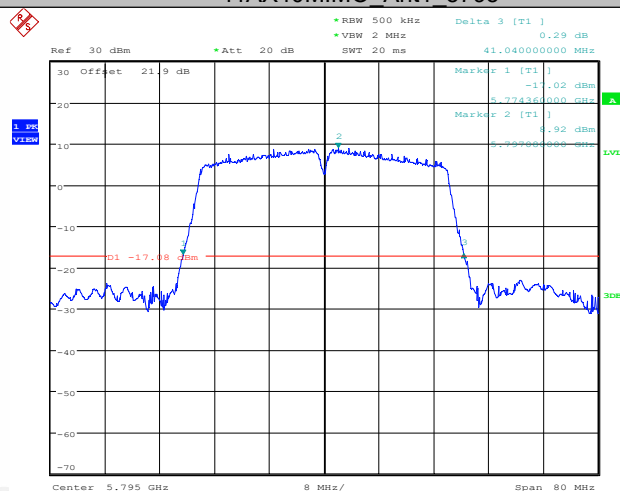
Date: 26.JAN.2024 20:15:49

## 11AX40MIMO Ant2 5755



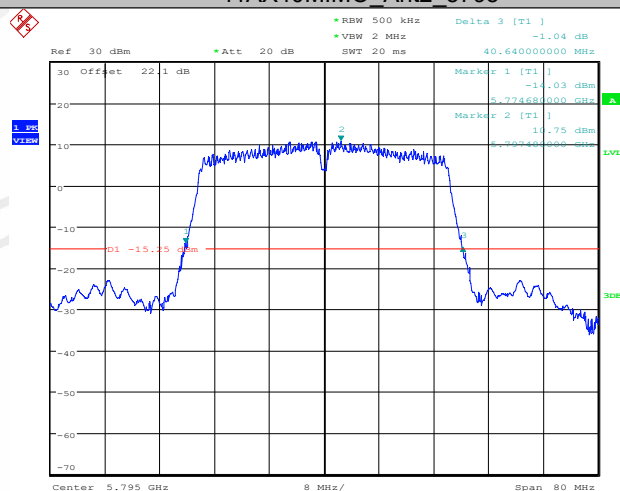
Date: 2.FEB.2024 18:12:09

## 11AX40MIMO Ant1 5795



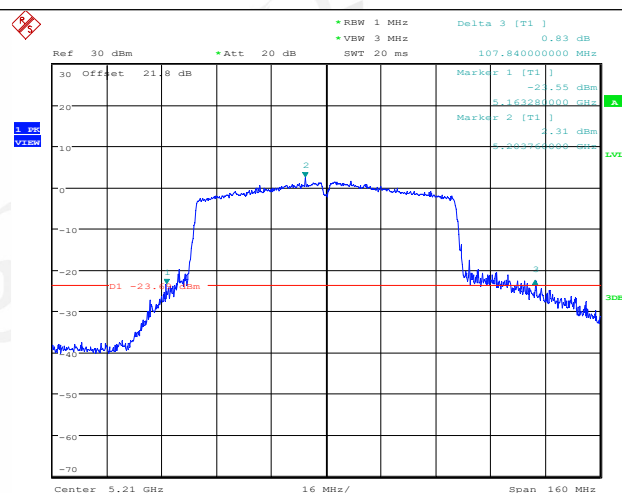
Date: 2.FEB.2024 18:15:31

## 11AX40MIMO\_Ant2\_5795



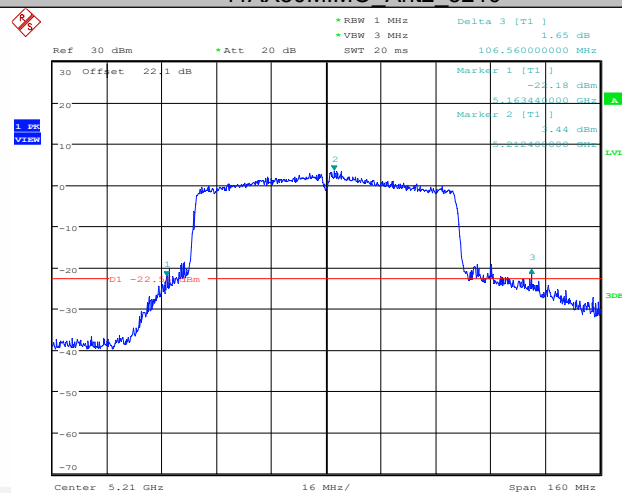
Date: 2.FEB.2024 18:18:26

## 11AX80MIMO Ant1 5210



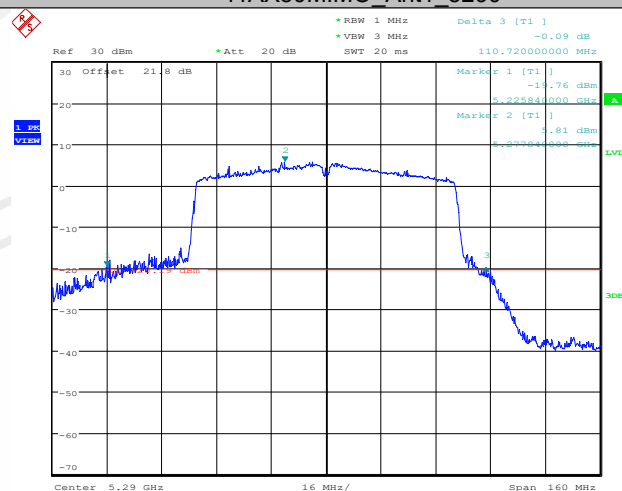
Date: 2.FEB.2024 18:22:39

## 11AX80MIMO Ant2 5210



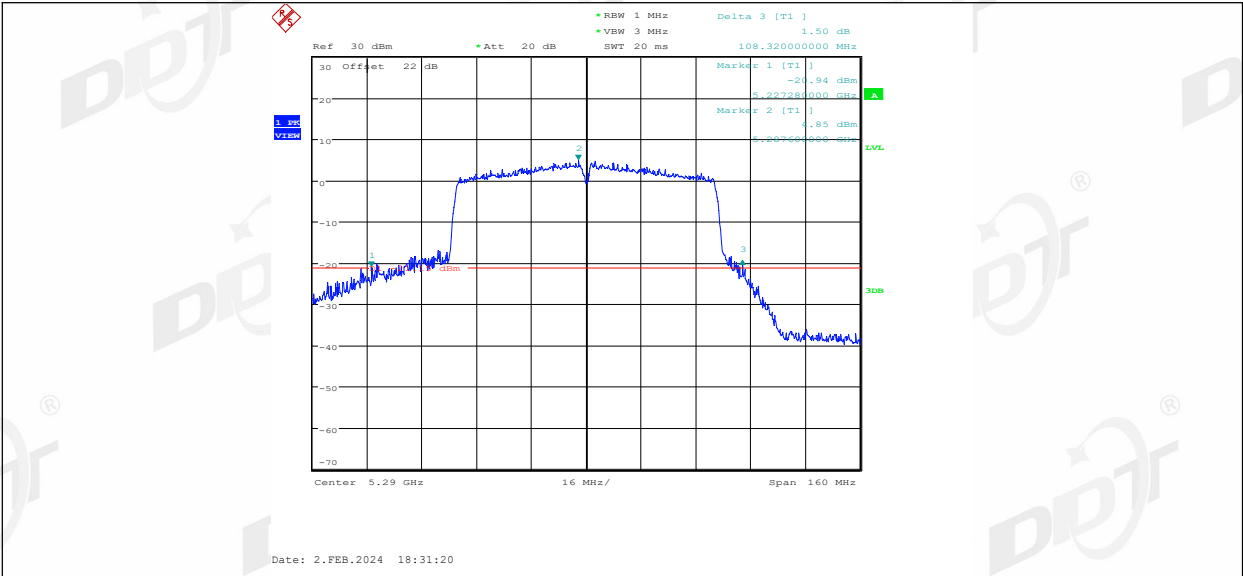
Date: 2.FEB.2024 18:25:20

## 11AX80MIMO Ant1 5290



Date: 2.FEB.2024 18:28:24

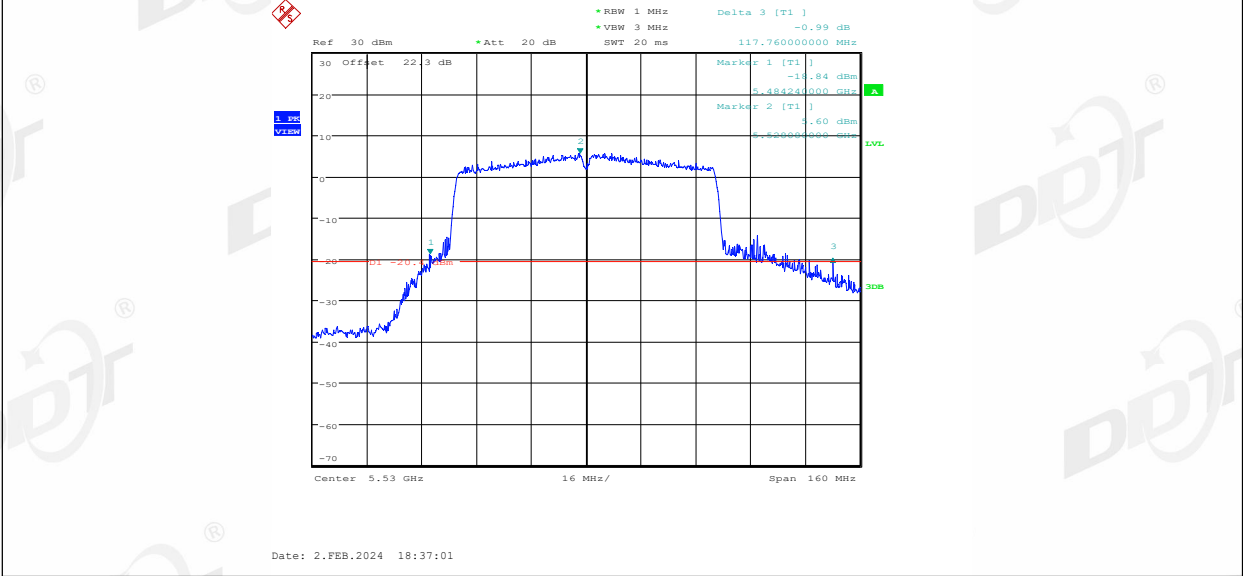
## 11AX80MIMO Ant2 5290



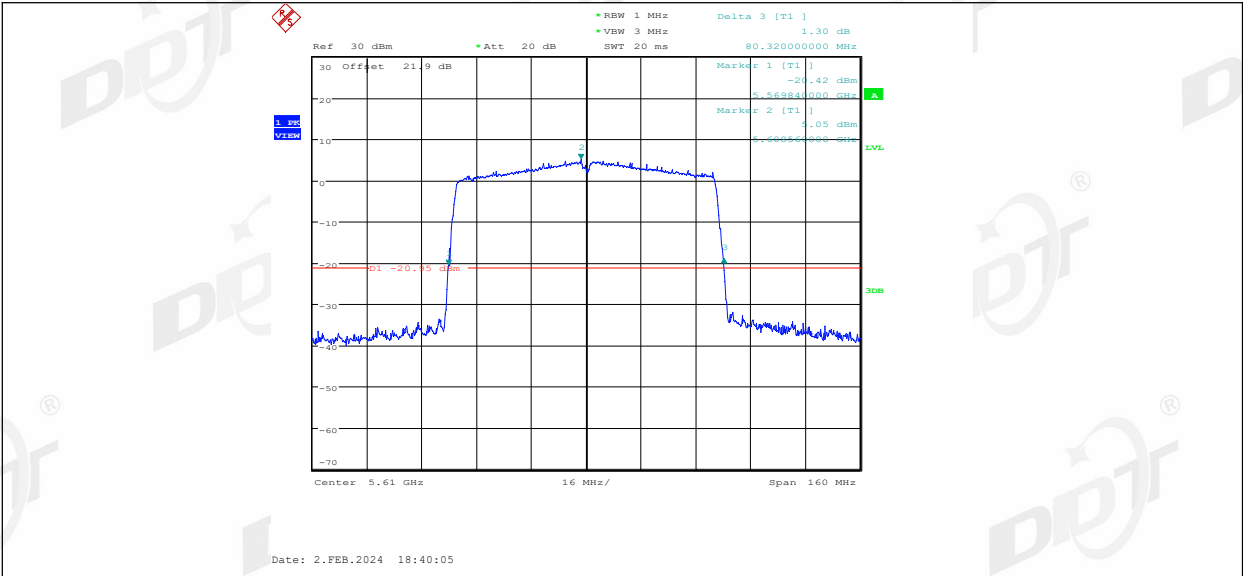
11AX80MIMO\_Ant1\_5530



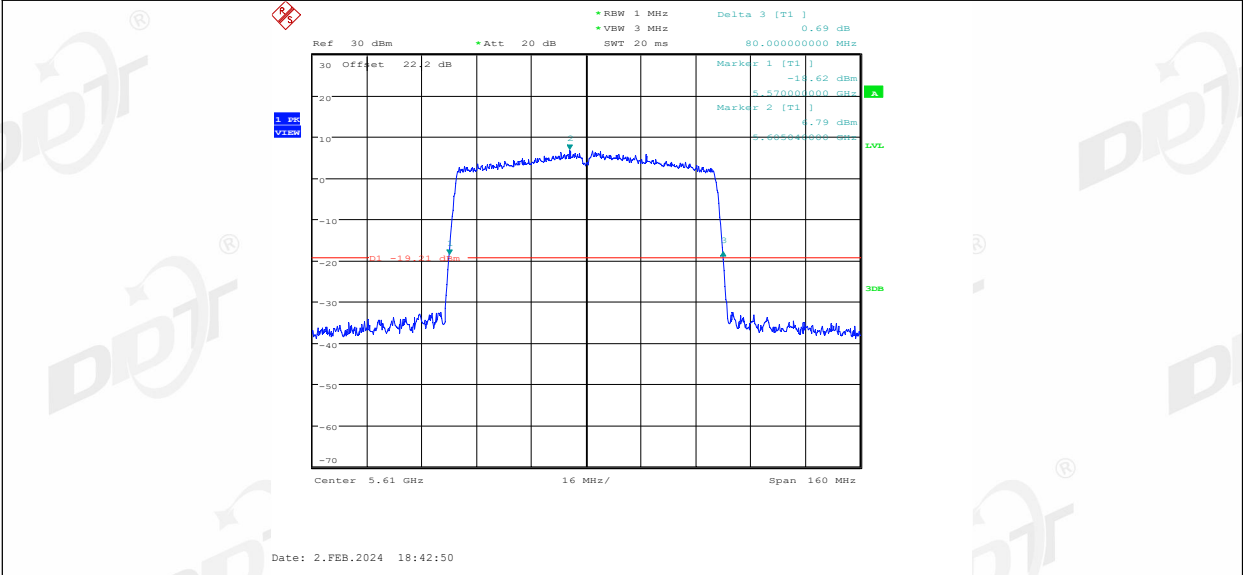
11AX80MIMO\_Ant2\_5530



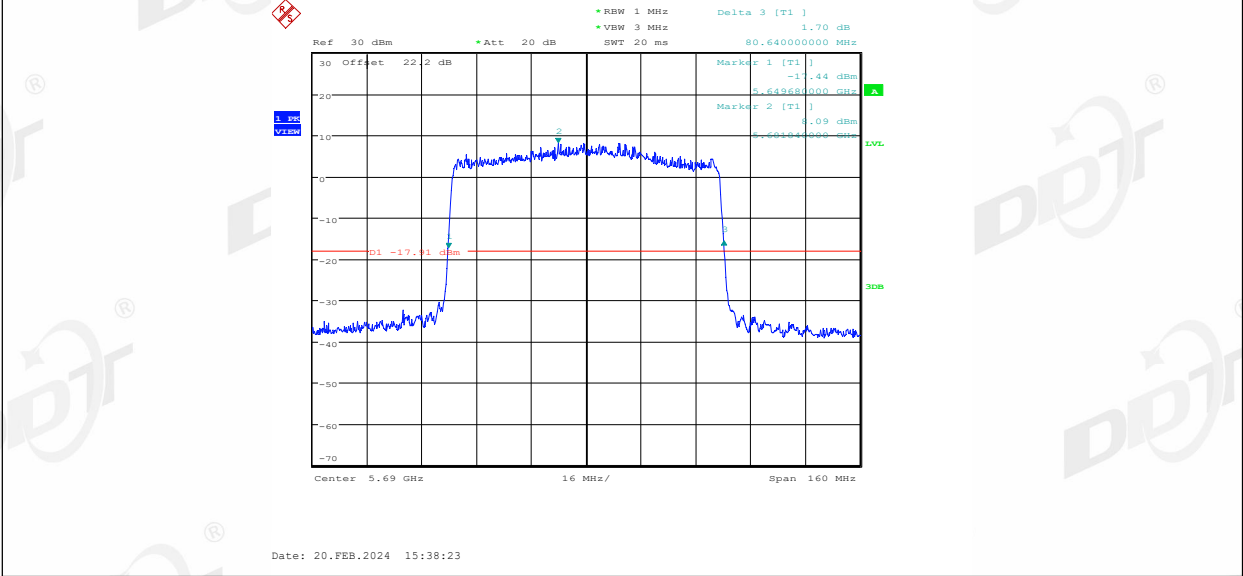
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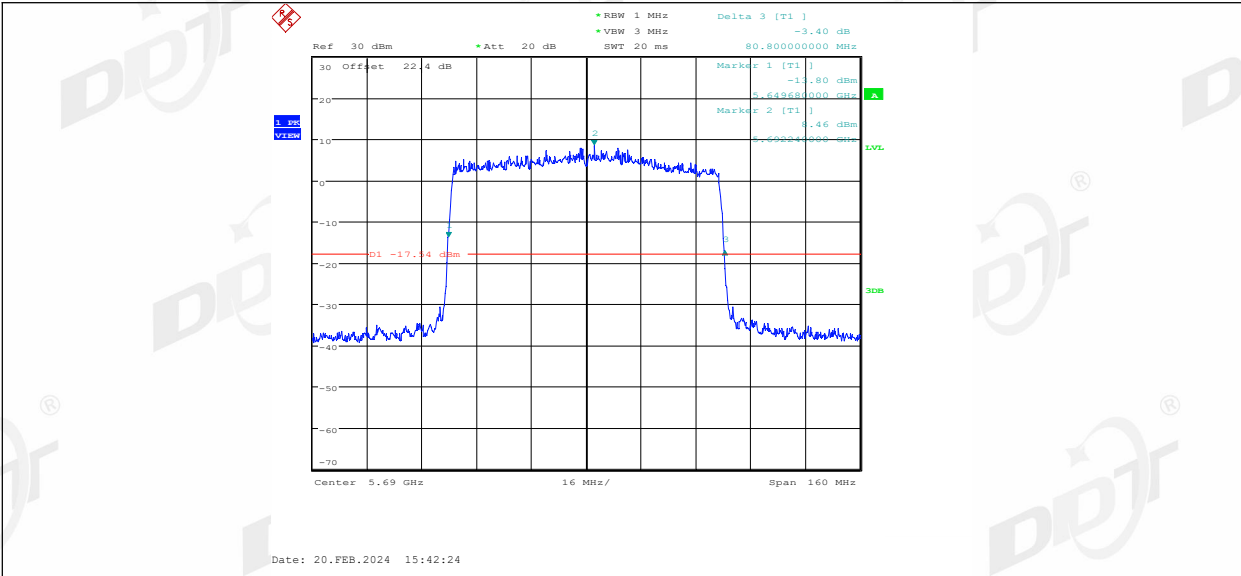
11AX80MIMO\_Ant2\_5610



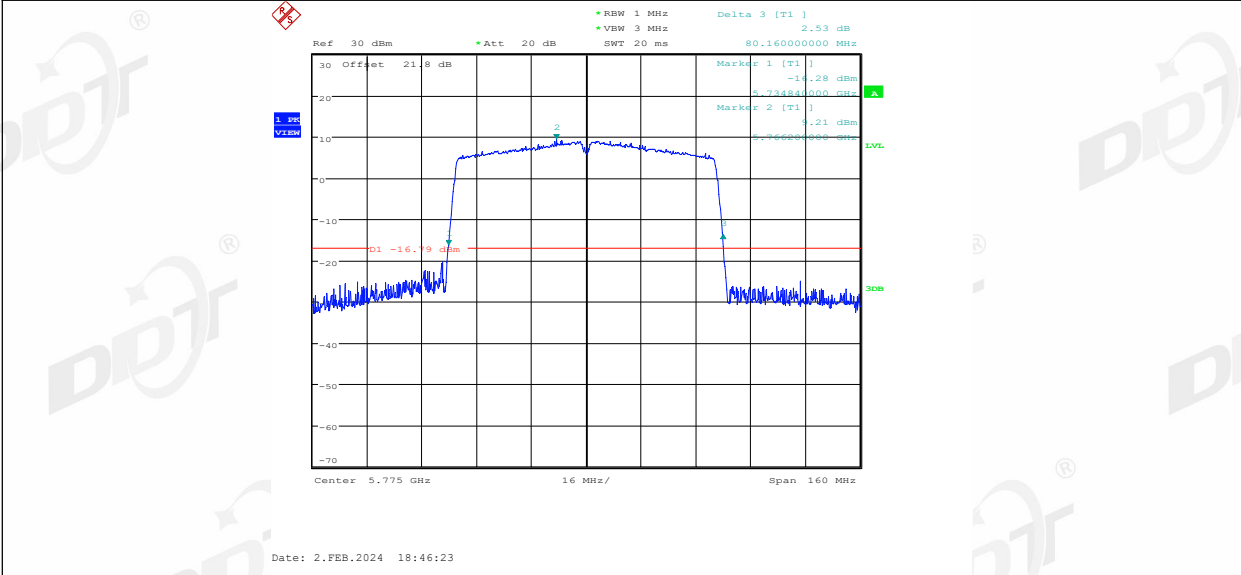
11AX80MIMO\_Ant1\_5690



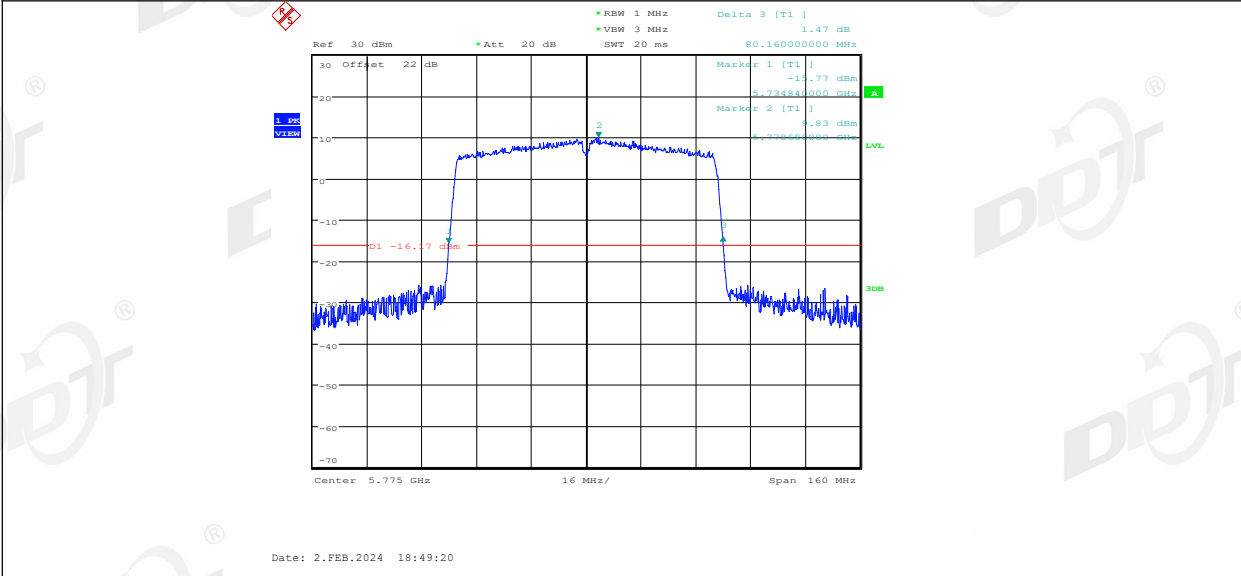
11AX80MIMO\_Ant2\_5690



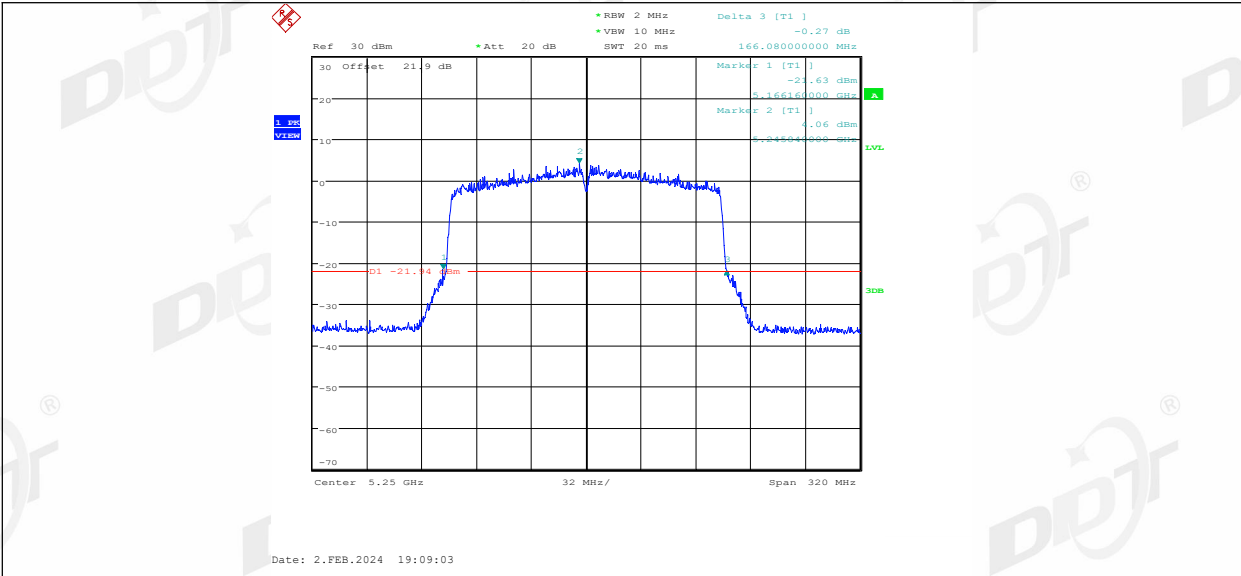
11AX80MIMO\_Ant1\_5775



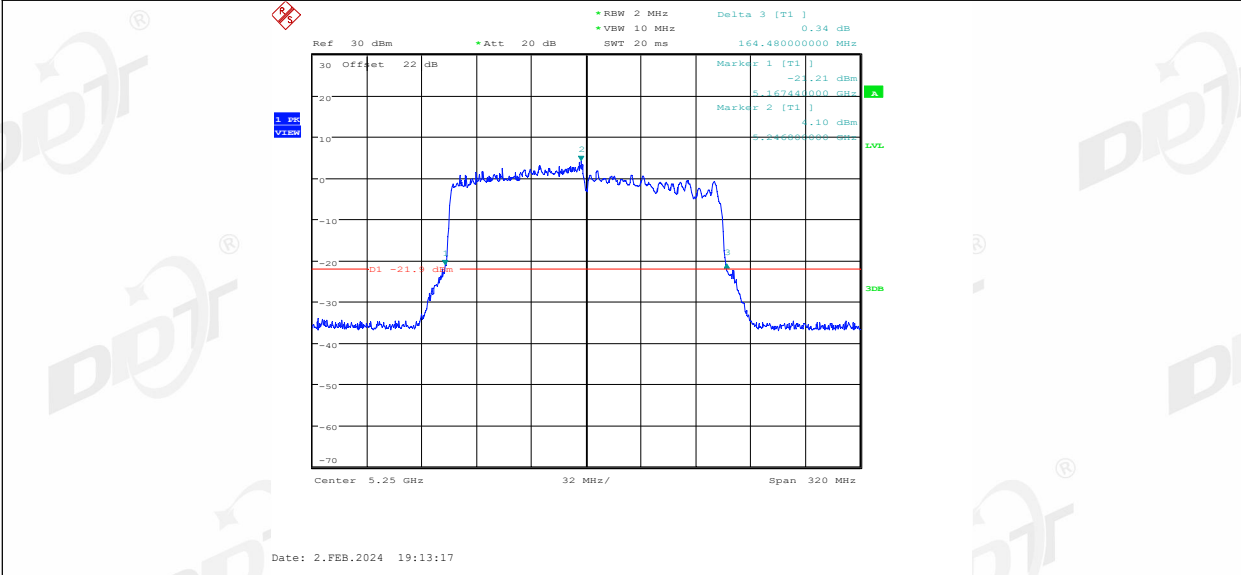
11AX80MIMO\_Ant2\_5775



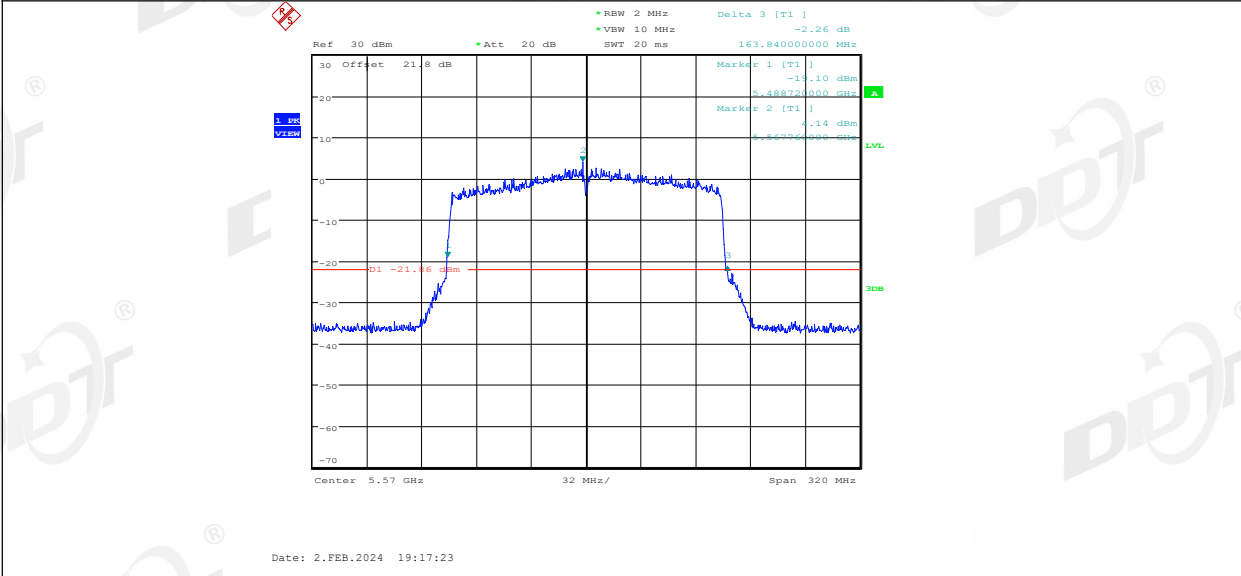
11AX160MIMO\_Ant1\_5250



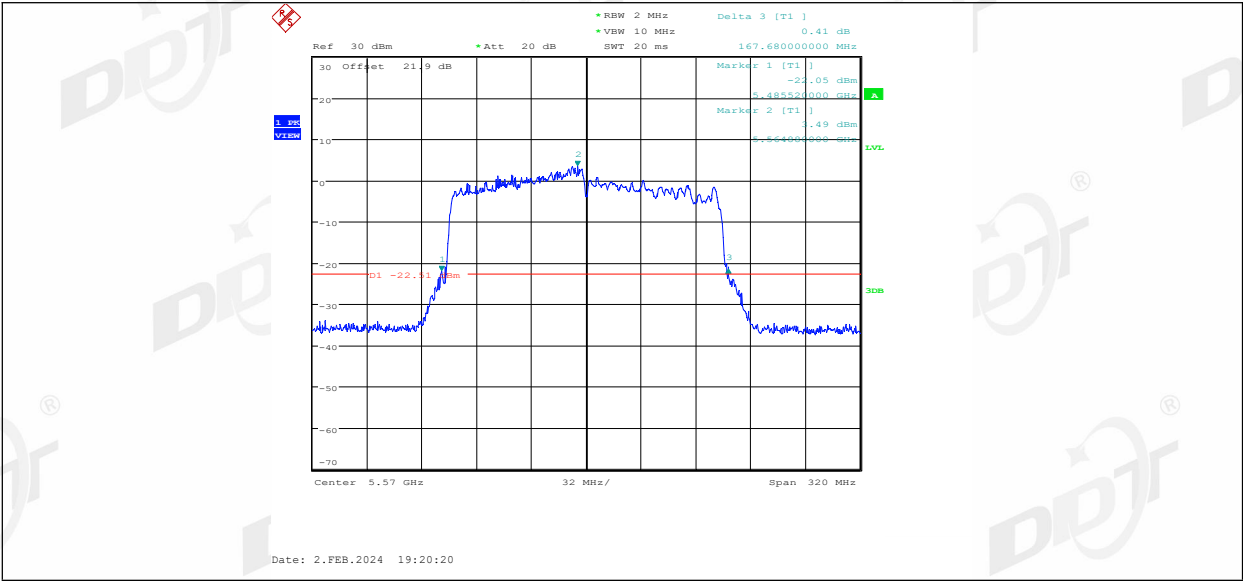
11AX160MIMO\_Ant2\_5250



11AX160MIMO\_Ant1\_5570

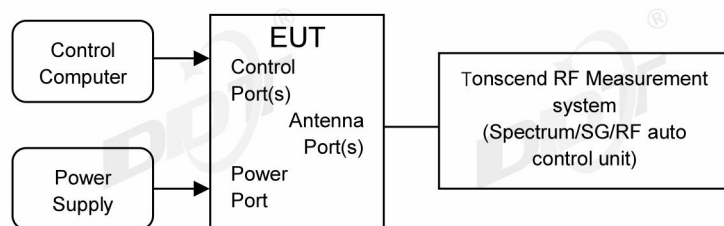


11AX160MIMO\_Ant2\_5570



## 5. 6dB Bandwidth

### 5.1. Block diagram of test setup



### 5.2. Limits

| FCC Part15, Subpart E/ RSS-247 |                 |                       |
|--------------------------------|-----------------|-----------------------|
| Test Item                      | Limit           | Frequency Range (MHz) |
| 6 dB Bandwidth                 | Minimum 500 kHz | 5725 - 5850           |

### 5.3. Test procedure

Connect EUT's antenna output to spectrum analyzer by RF cable.

|                  |                                                                                                     |
|------------------|-----------------------------------------------------------------------------------------------------|
| Center Frequency | The center frequency of the channel under test                                                      |
| Detector         | Peak                                                                                                |
| RBW              | For 6 dB Bandwidth: RBW=100 kHz<br>For 26 dB Bandwidth: approximately 1% of the emission bandwidth. |
| VBW              | For 6 dB Bandwidth: VBW=300 kHz<br>For 26 dB Bandwidth: >3 RBW                                      |
| Trace            | Max hold                                                                                            |
| Sweep            | Auto couple                                                                                         |

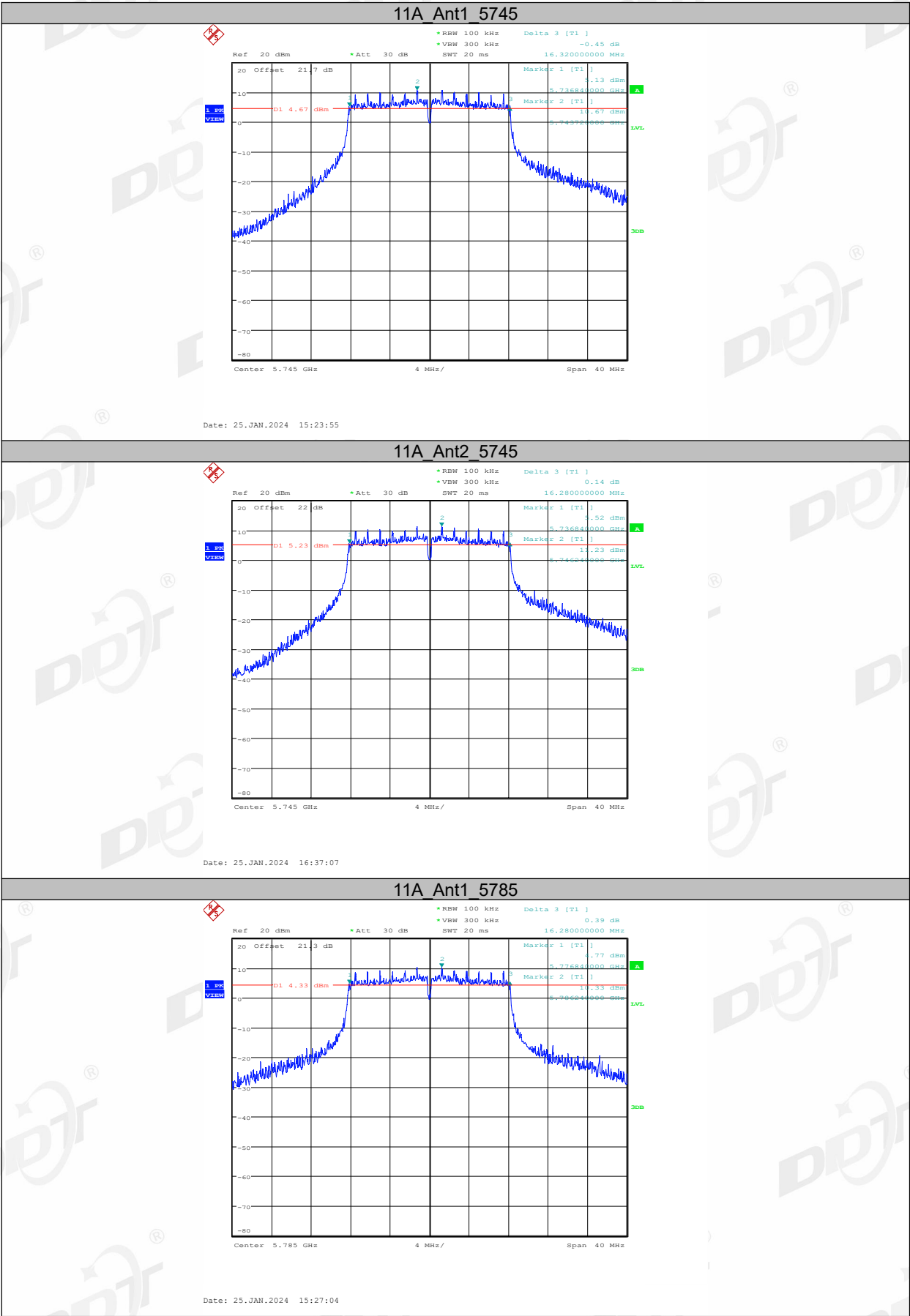
Allow the trace to stabilize, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

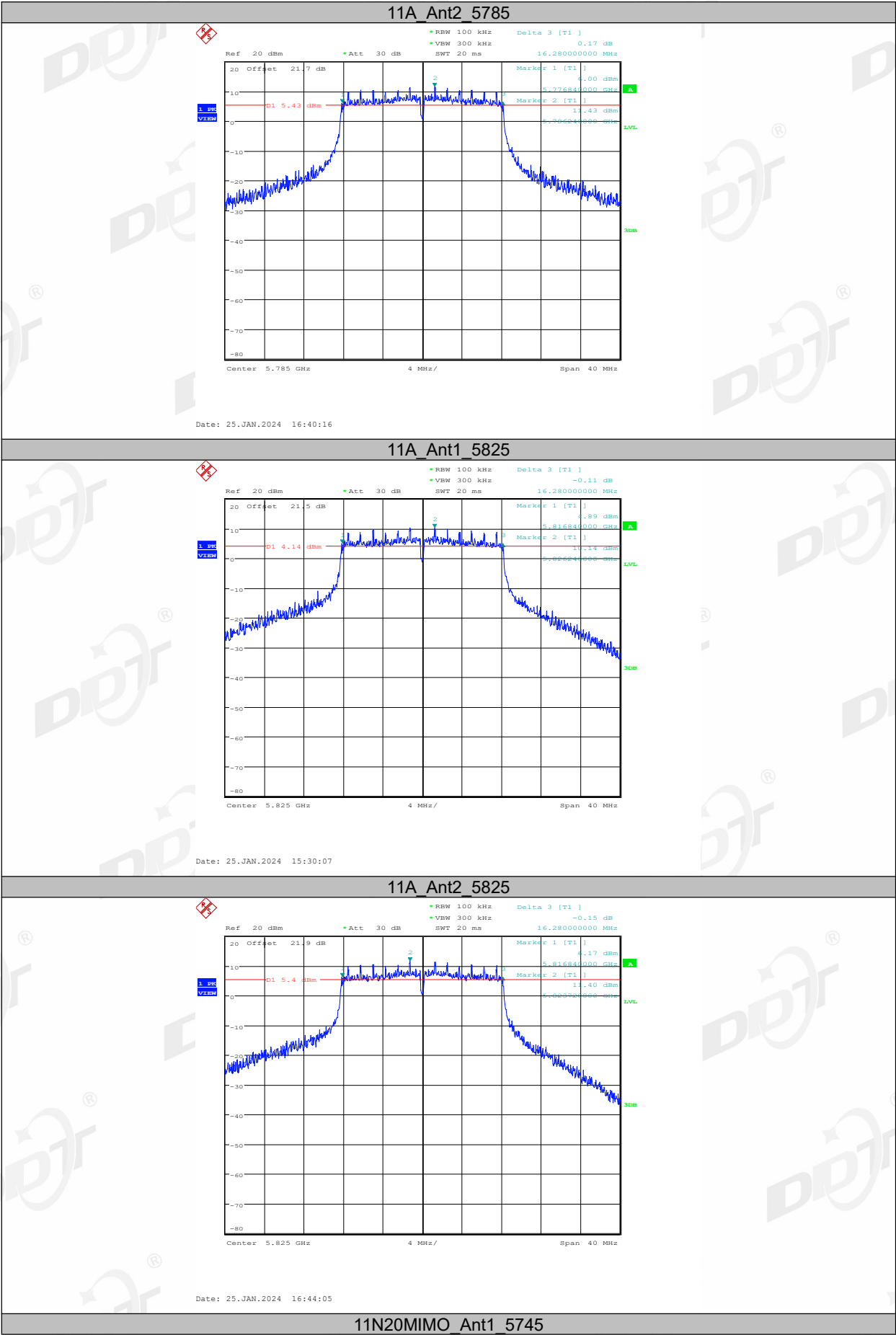
## 5.4. Test result B4

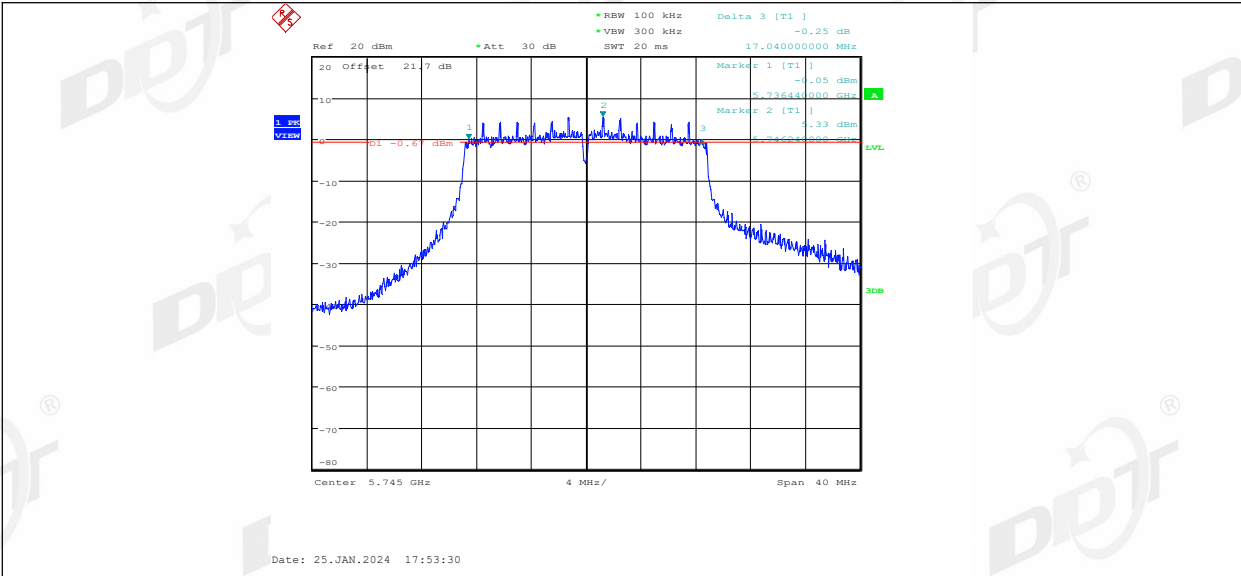
|                    |              |            |                                   |
|--------------------|--------------|------------|-----------------------------------|
| Test Engineer:     | Zora Zhang   | Test Site: | RF Measurement System 1#          |
| Ambient Condition: | 23.6℃,64%RH  | Test Date: | 2024.01.29-2024.02.21             |
| Test Power Supply: | AC230V/50Hz  | EUT:       | Mercku M6s Nano Mesh Wi-Fi Router |
| Sample Number:     | S23111605-01 | Model No.: | MBAA0                             |

| Test Mode  | Antenna | Frequency[MHz] | 6db EBW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|------------|---------|----------------|---------------|---------|---------|------------|---------|
| 11A        | Ant1    | 5745           | 16.32         | 5736.84 | 5753.16 | 0.5        | PASS    |
|            | Ant2    | 5745           | 16.28         | 5736.84 | 5753.12 | 0.5        | PASS    |
|            | Ant1    | 5785           | 16.28         | 5776.84 | 5793.12 | 0.5        | PASS    |
|            | Ant2    | 5785           | 16.28         | 5776.84 | 5793.12 | 0.5        | PASS    |
|            | Ant1    | 5825           | 16.28         | 5816.84 | 5833.12 | 0.5        | PASS    |
|            | Ant2    | 5825           | 16.28         | 5816.84 | 5833.12 | 0.5        | PASS    |
| 11N20MIMO  | Ant1    | 5745           | 17.04         | 5736.44 | 5753.48 | 0.5        | PASS    |
|            | Ant2    | 5745           | 17.56         | 5736.20 | 5753.76 | 0.5        | PASS    |
|            | Ant1    | 5785           | 17.56         | 5776.20 | 5793.76 | 0.5        | PASS    |
|            | Ant2    | 5785           | 17.56         | 5776.20 | 5793.76 | 0.5        | PASS    |
|            | Ant1    | 5825           | 17.32         | 5816.20 | 5833.52 | 0.5        | PASS    |
|            | Ant2    | 5825           | 17.56         | 5816.20 | 5833.76 | 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           | 17.72         | 5736.12 | 5753.84 | 0.5        | PASS    |
|            | Ant2    | 5745           | 17.72         | 5736.12 | 5753.84 | 0.5        | PASS    |
|            | Ant1    | 5785           | 17.72         | 5776.12 | 5793.84 | 0.5        | PASS    |
|            | Ant2    | 5785           | 17.72         | 5776.12 | 5793.84 | 0.5        | PASS    |
|            | Ant1    | 5825           | 17.76         | 5816.12 | 5833.88 | 0.5        | PASS    |
|            | Ant2    | 5825           | 17.72         | 5816.12 | 5833.84 | 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    |
| 11AX20MIMO | Ant1    | 5745           | 18.80         | 5735.52 | 5754.32 | 0.5        | PASS    |
|            | Ant2    | 5745           | 18.76         | 5735.48 | 5754.24 | 0.5        | PASS    |
|            | Ant1    | 5785           | 18.80         | 5775.56 | 5794.36 | 0.5        | PASS    |
|            | Ant2    | 5785           | 18.72         | 5775.60 | 5794.32 | 0.5        | PASS    |
|            | Ant1    | 5825           | 18.76         | 5815.60 | 5834.36 | 0.5        | PASS    |
|            | Ant2    | 5825           | 18.24         | 5816.08 | 5834.32 | 0.5        | PASS    |
| 11AX40MIMO | Ant1    | 5755           | 36.80         | 5736.44 | 5773.24 | 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    |
| 11AX80MIMO | Ant1    | 5775           | 75.20         | 5737.40 | 5812.60 | 0.5        | PASS    |
|            | Ant2    | 5775           | 75.20         | 5737.40 | 5812.60 | 0.5        | PASS    |

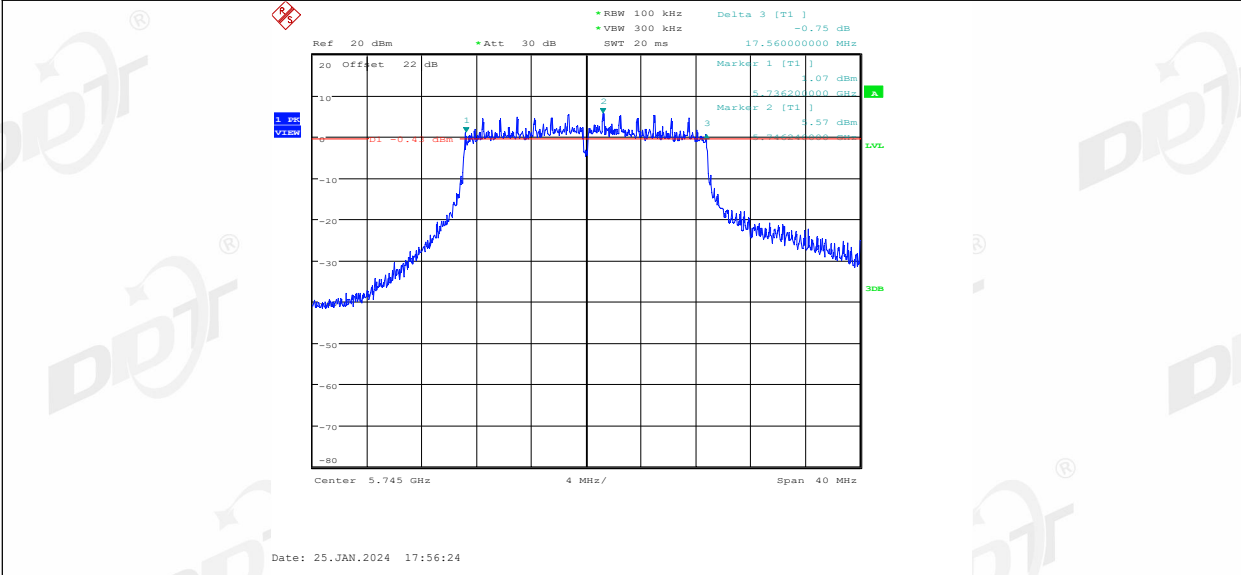
5.5. Test graphs B4



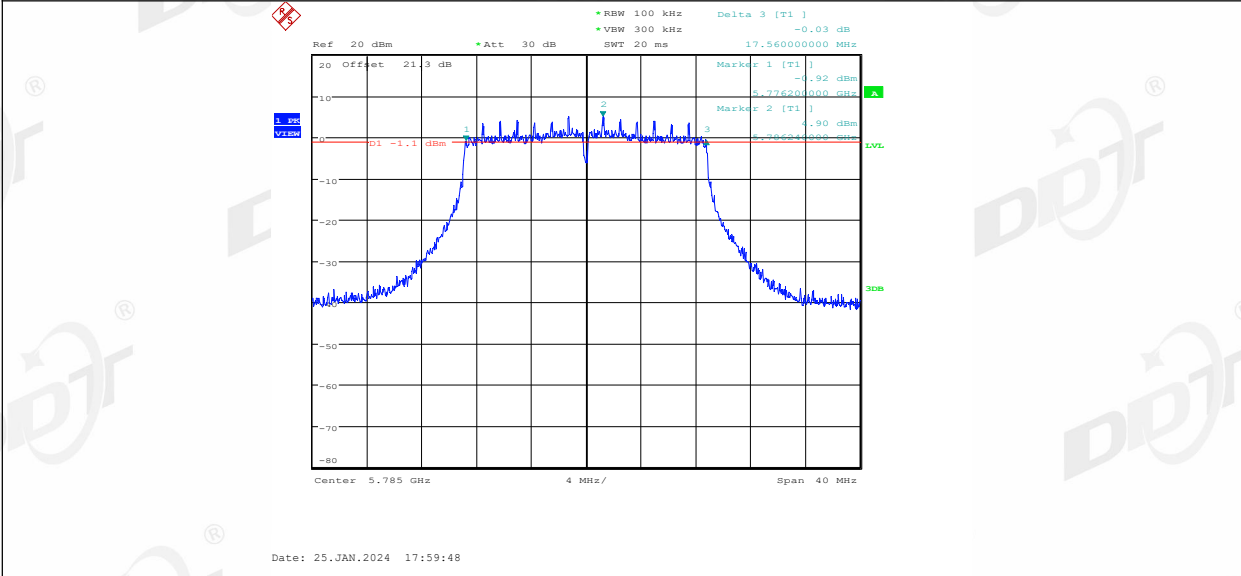




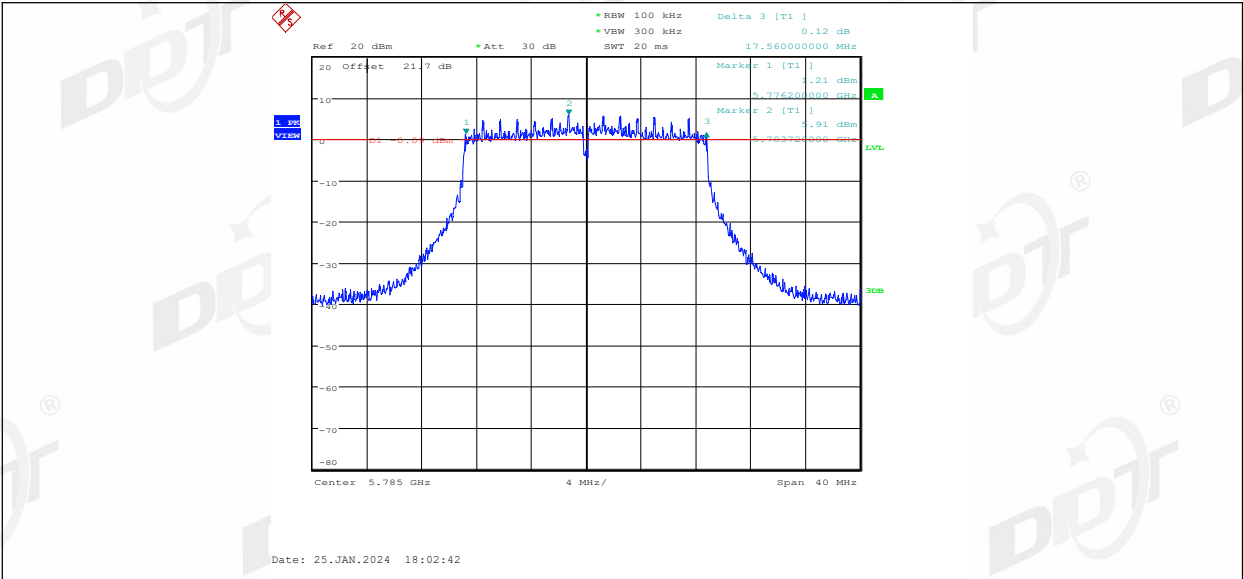
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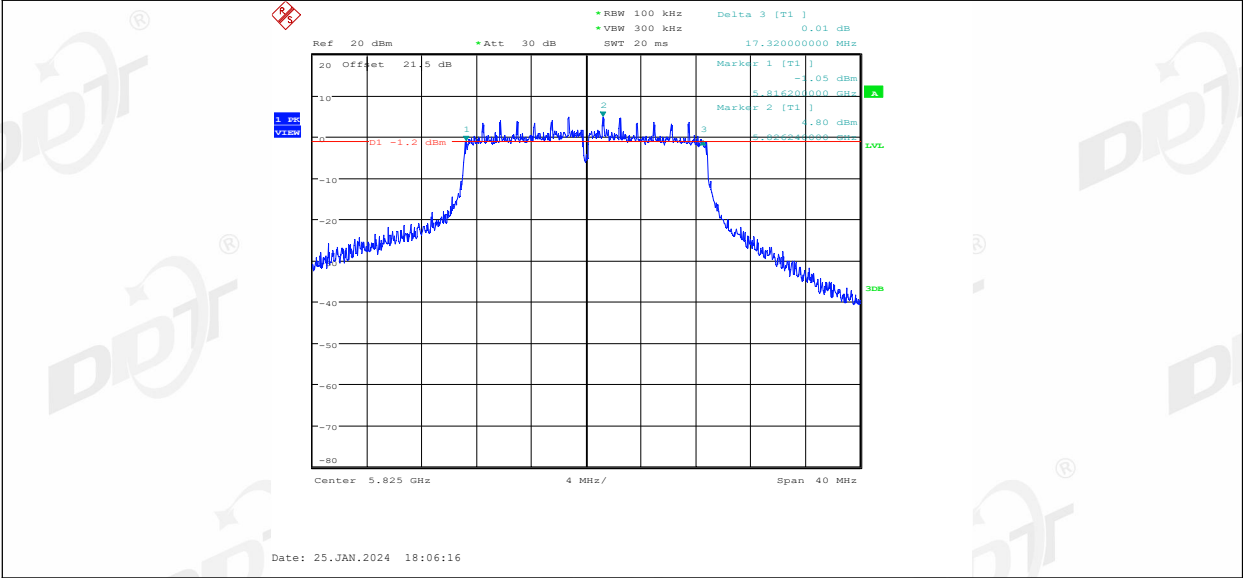
11N20MIMO\_Ant1\_5785



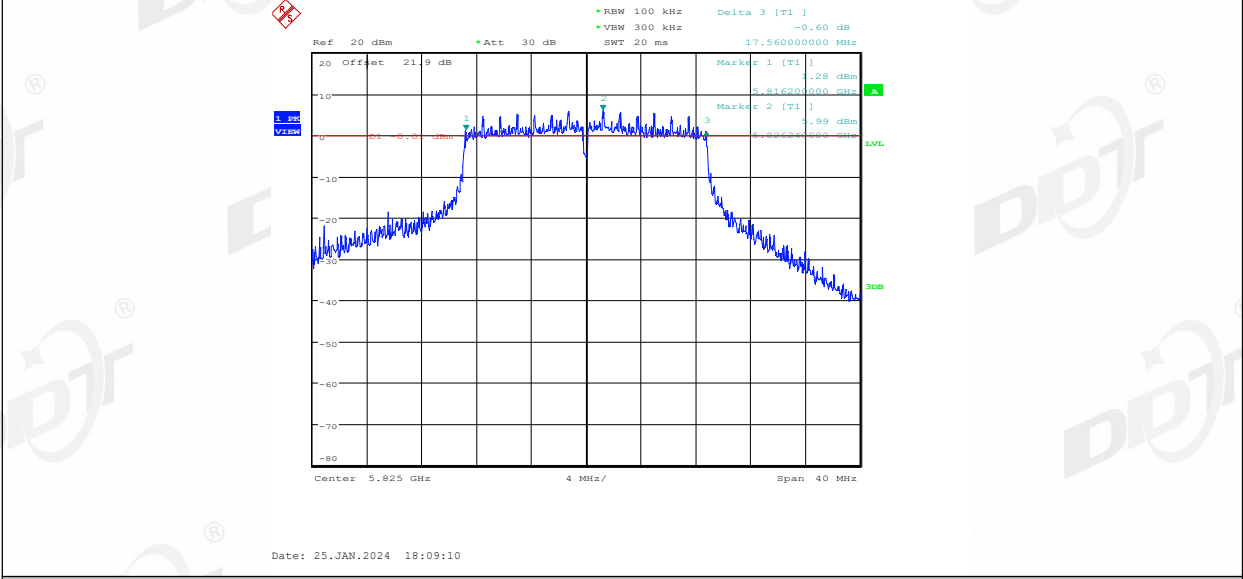
11N20MIMO\_Ant2\_5785



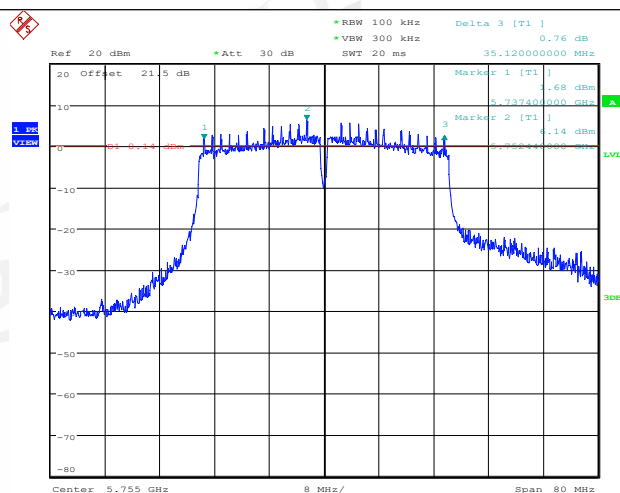
11N20MIMO\_Ant1\_5825



11N20MIMO\_Ant2\_5825

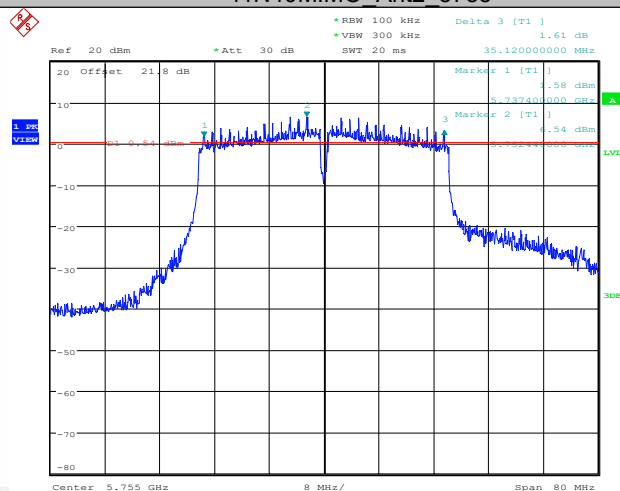


11N40MIMO\_Ant1\_5755



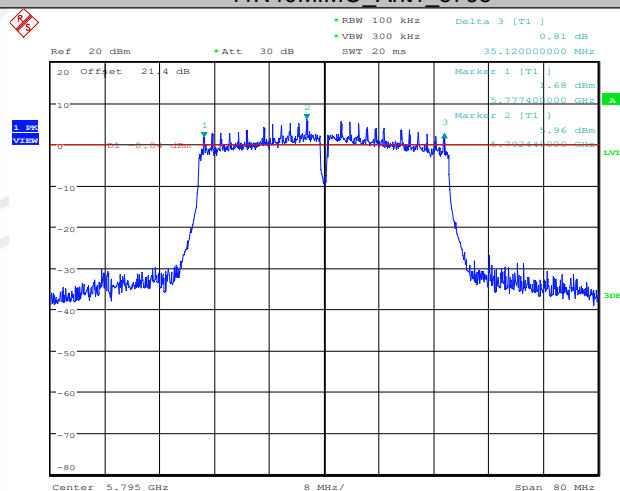
Date: 25.JAN.2024 19:53:05

## 11N40MIMO Ant2 5755



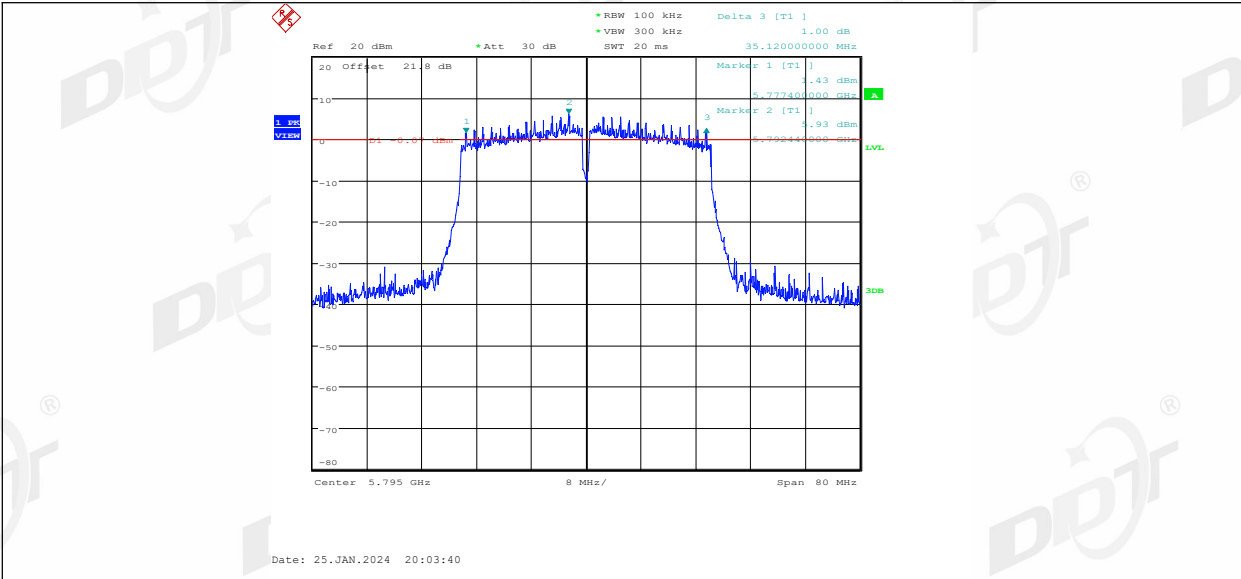
Date: 25.JAN.2024 19:55:59

## 11N40MIMO\_Ant1\_5795

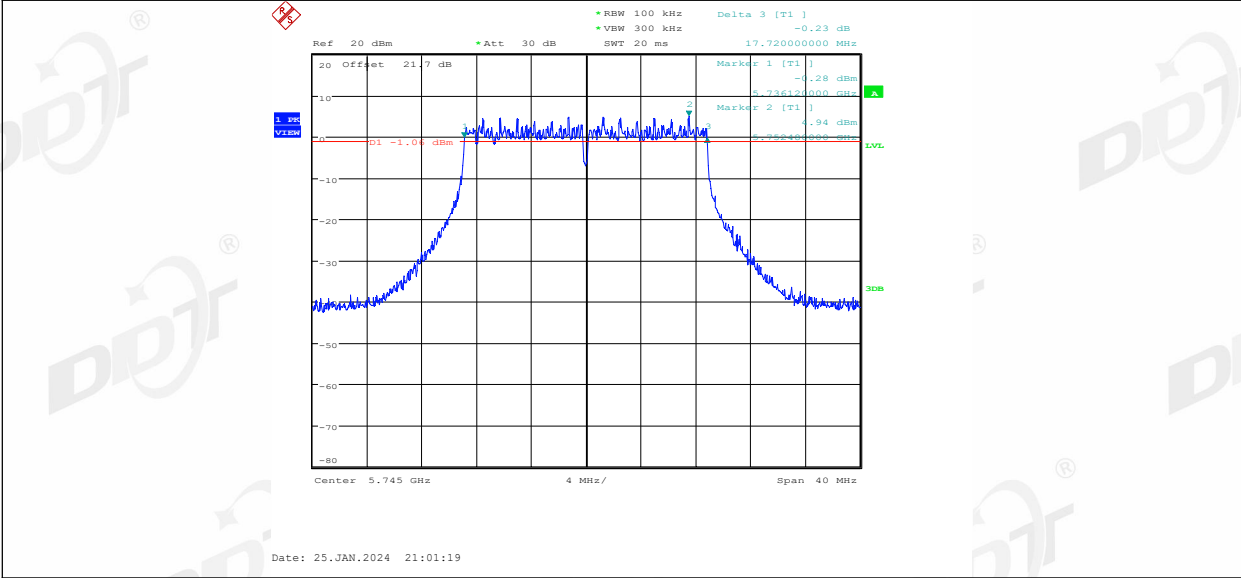


Date: 25.JAN.2024 19:59:06

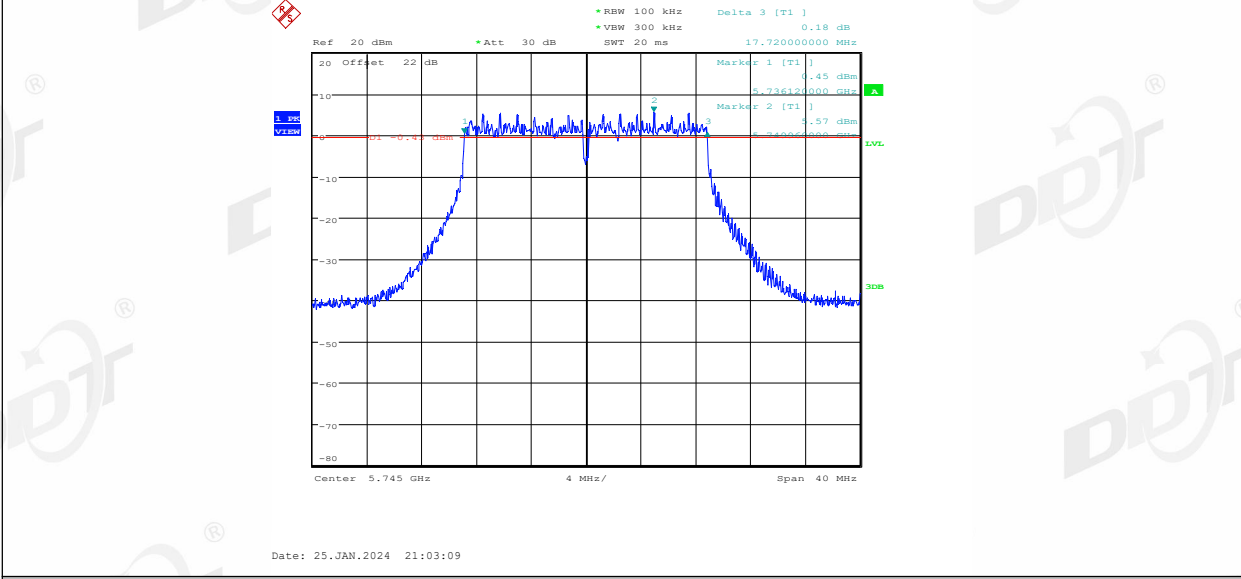
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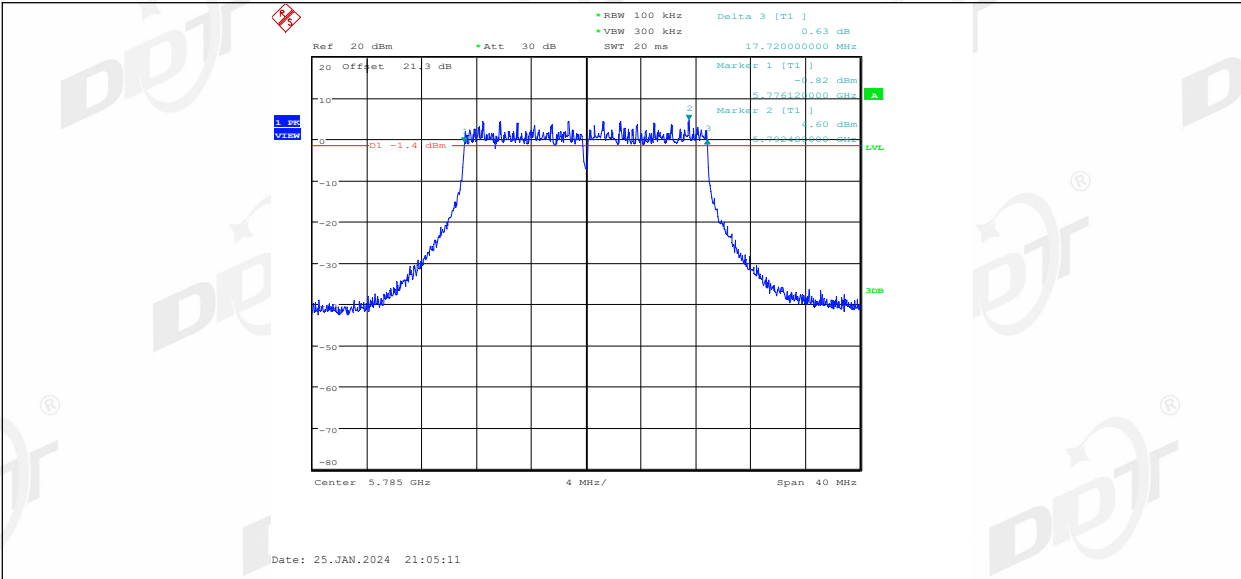
11AC20MIMO Ant1 5745



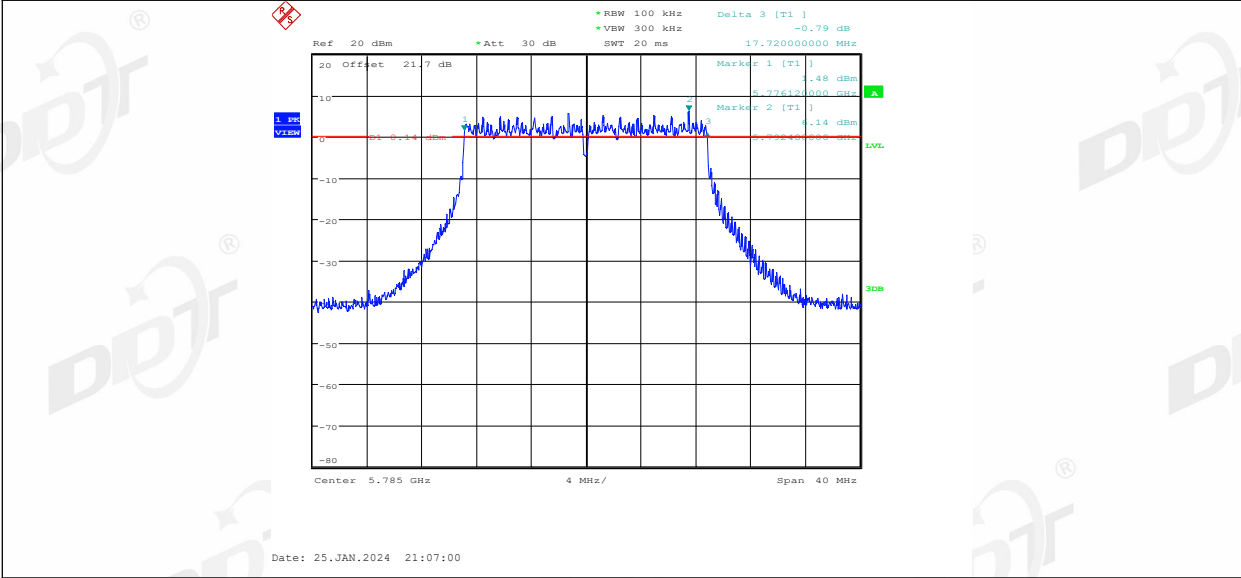
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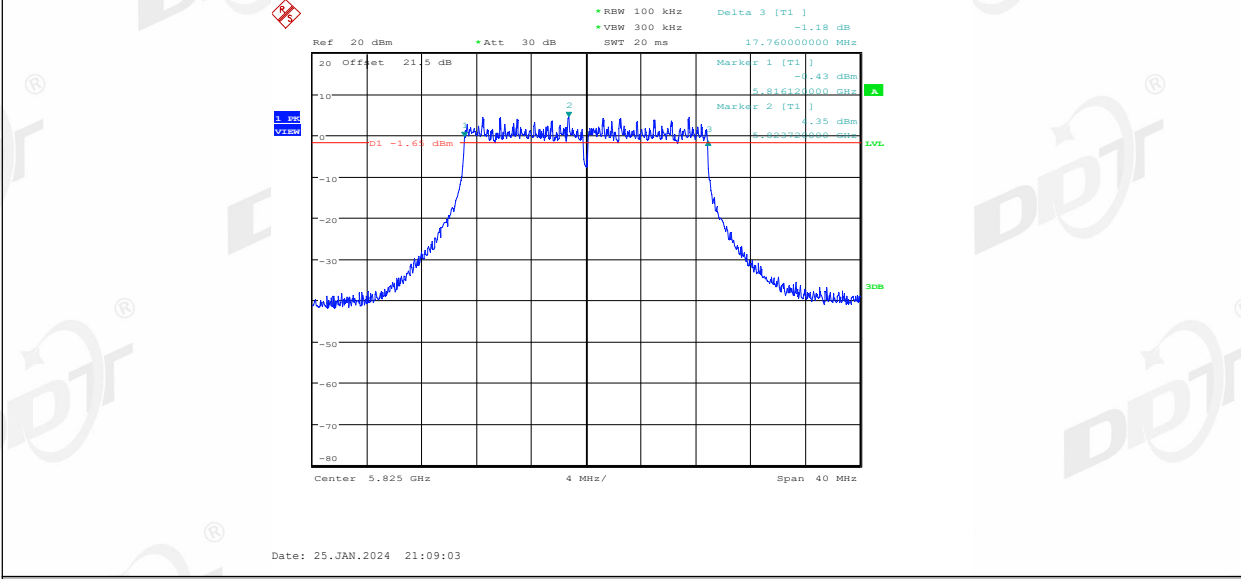
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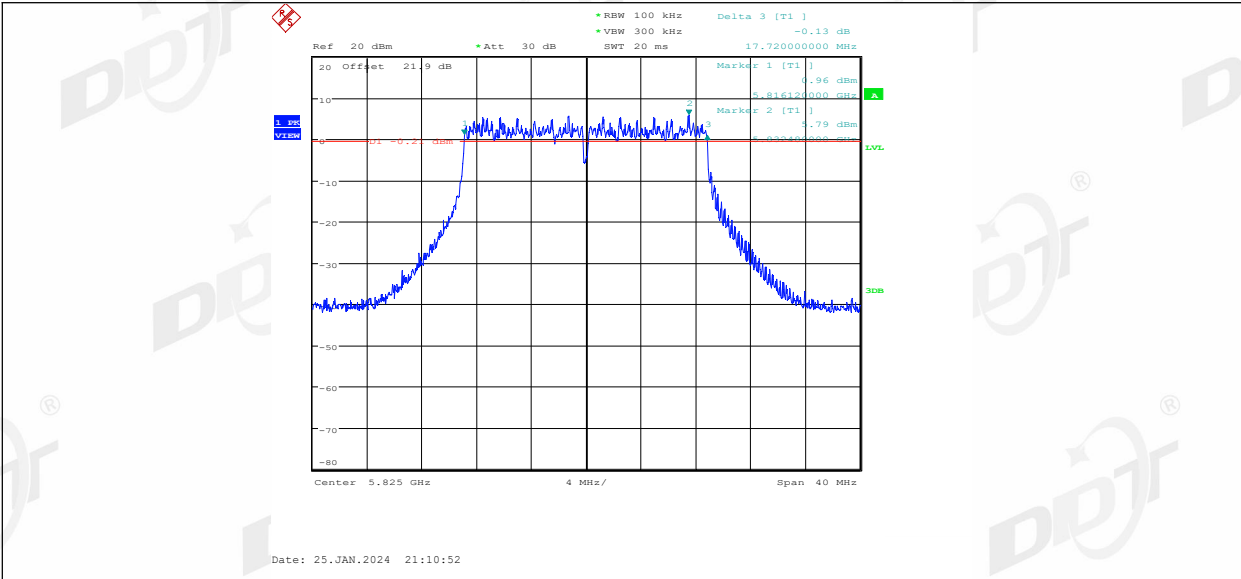
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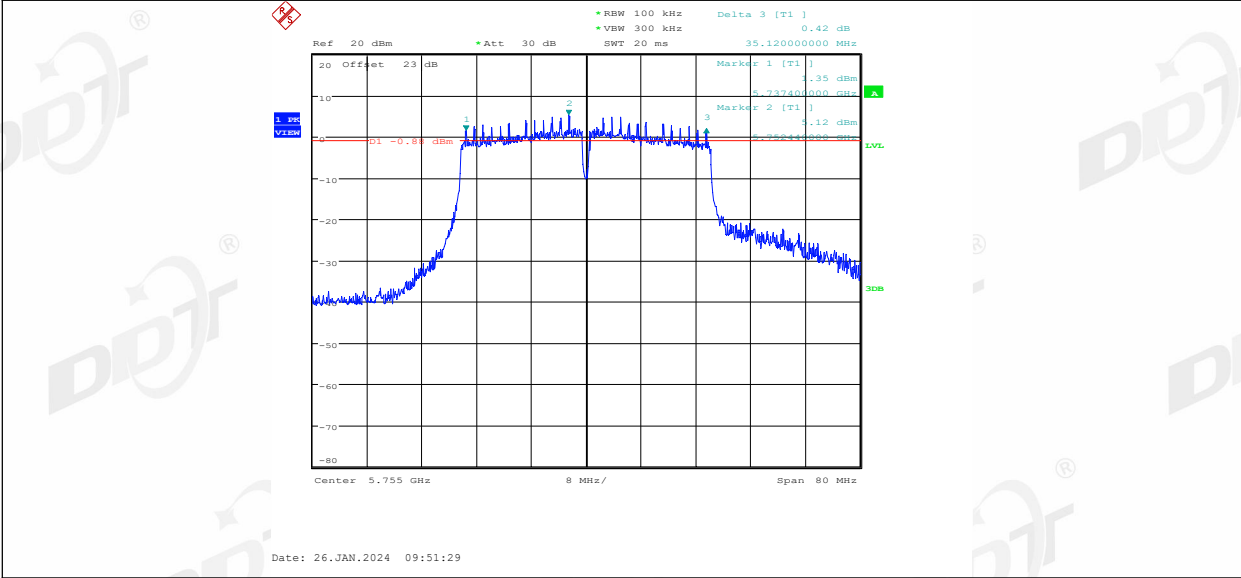
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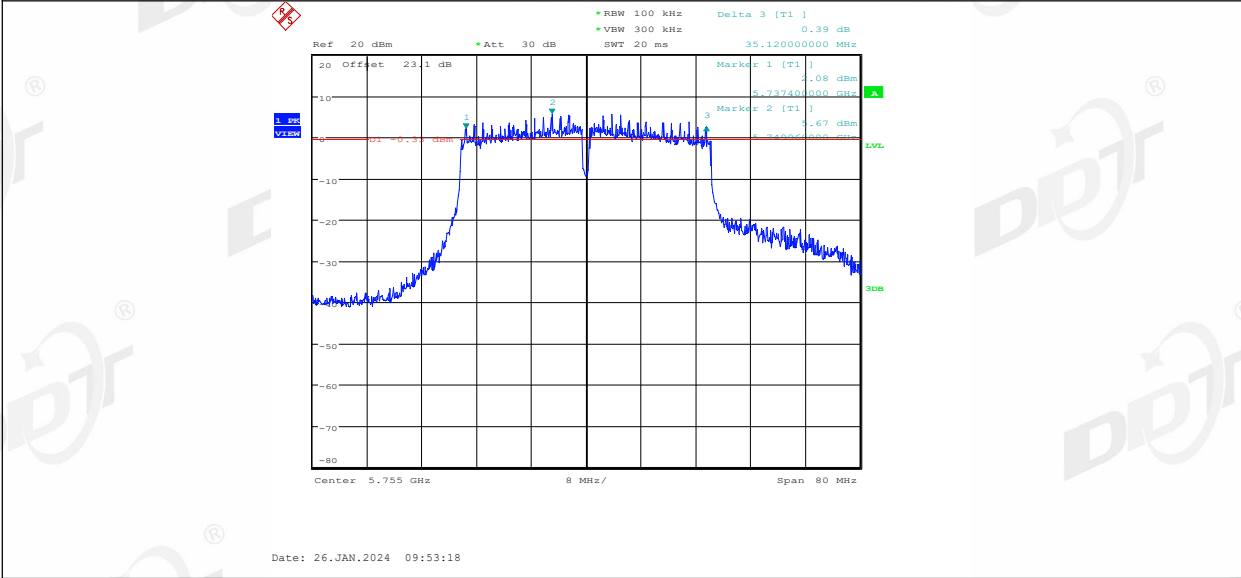
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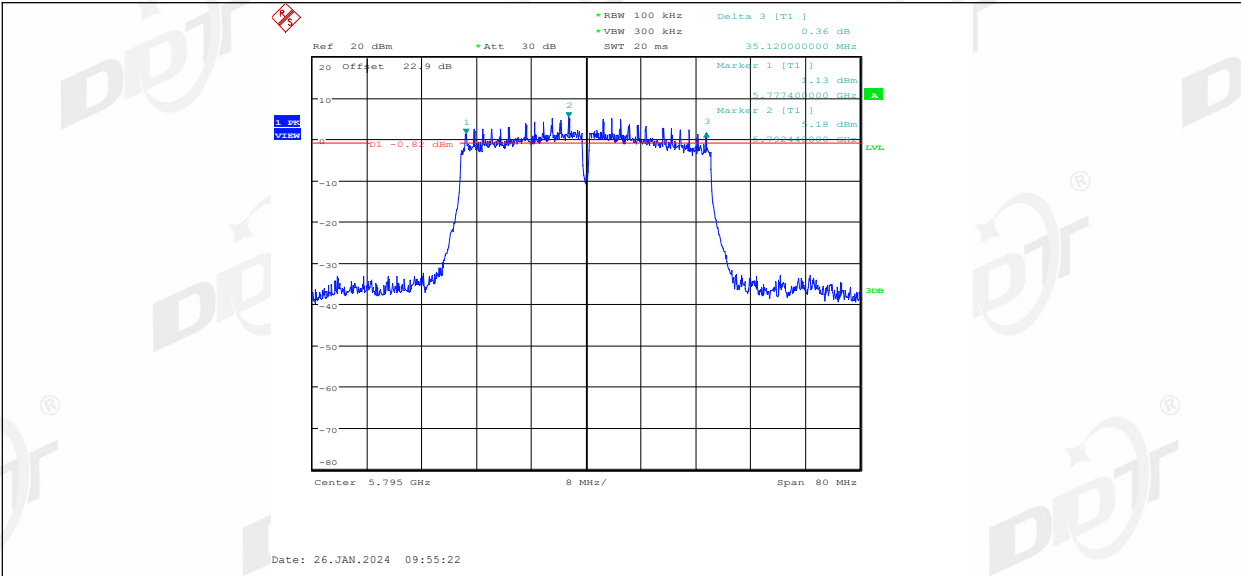
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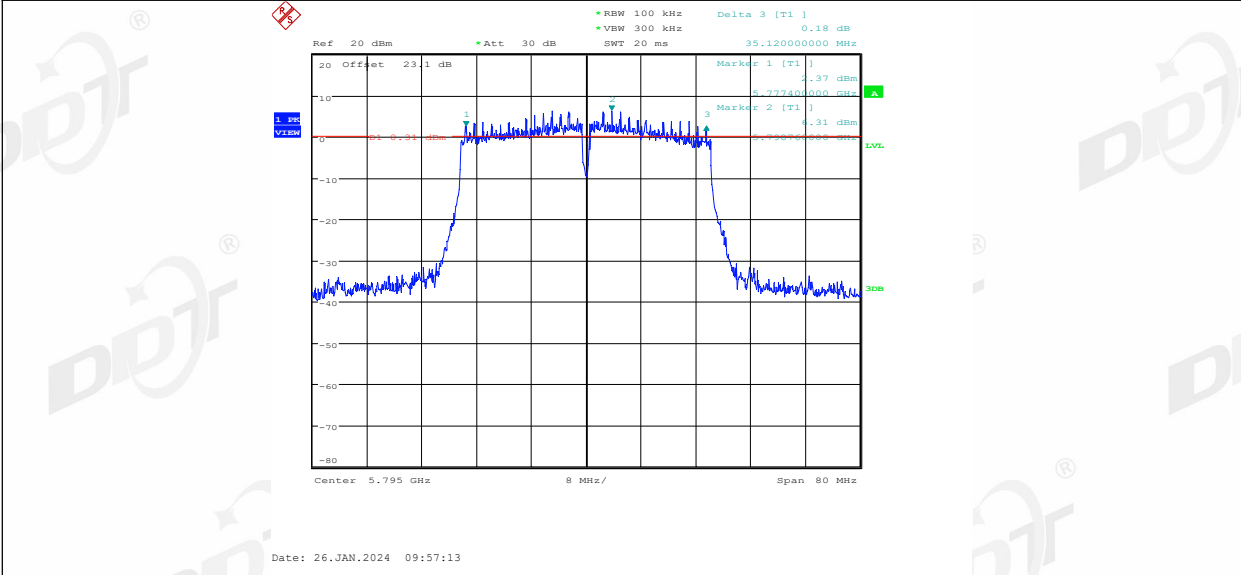
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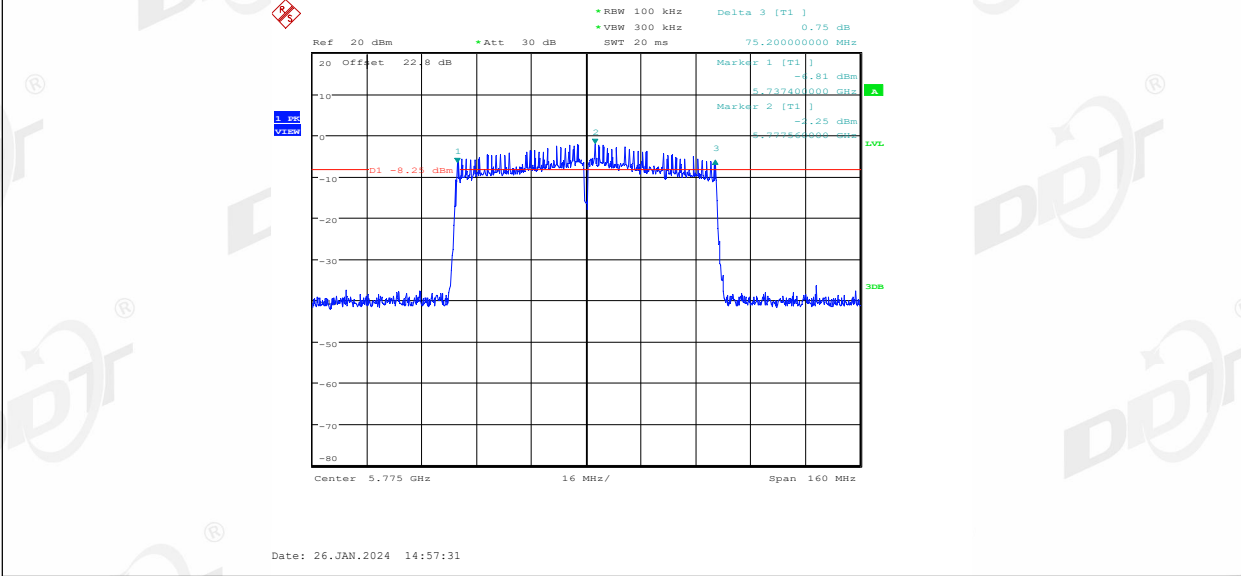
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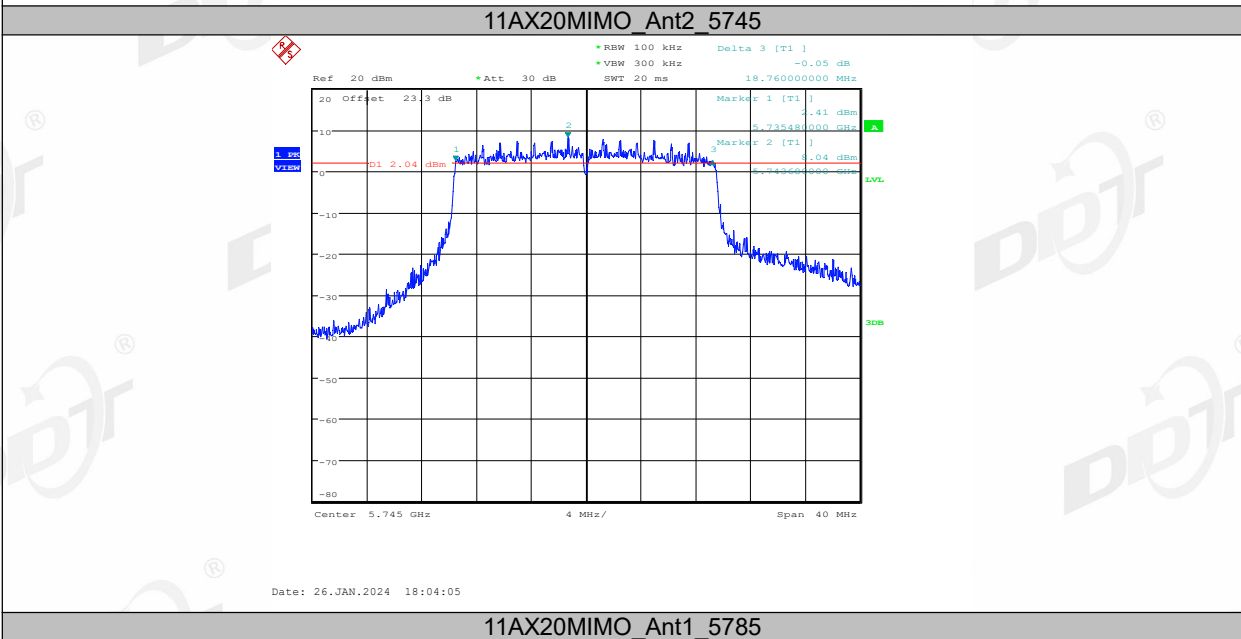
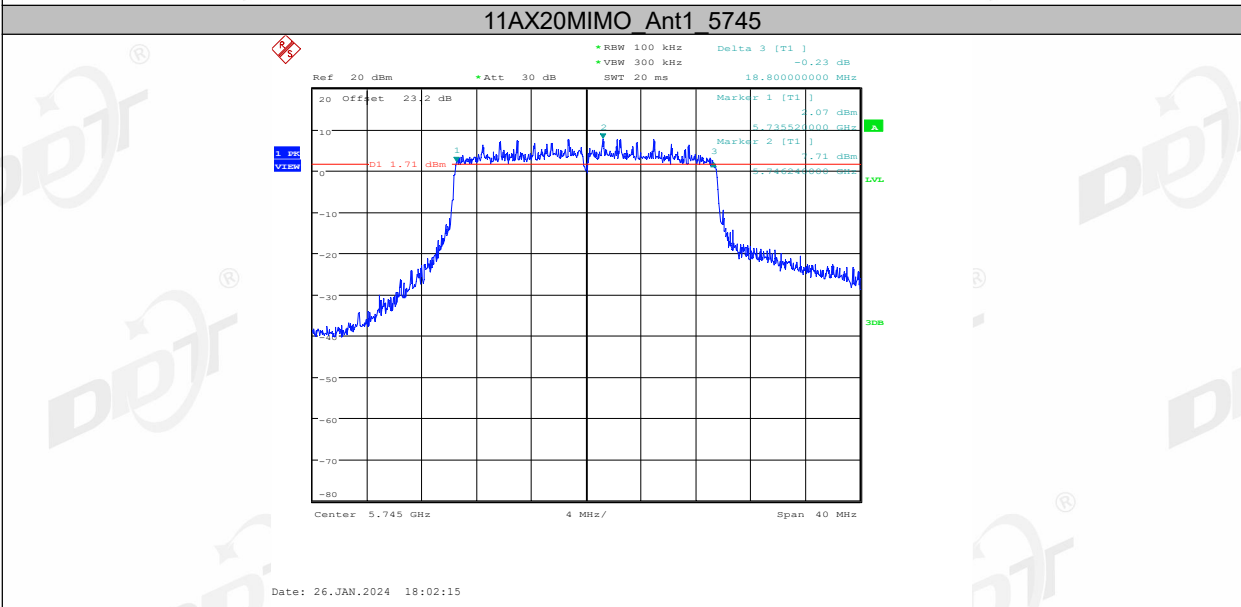
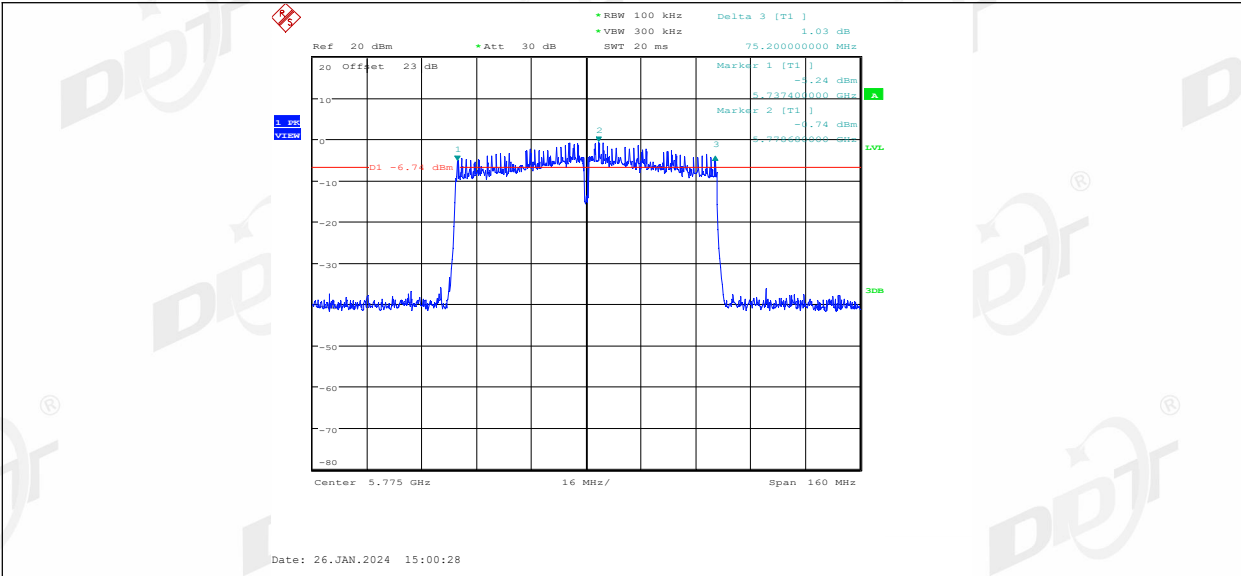
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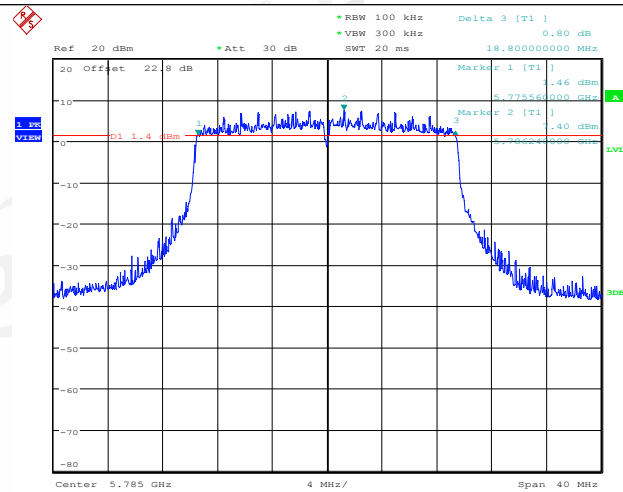


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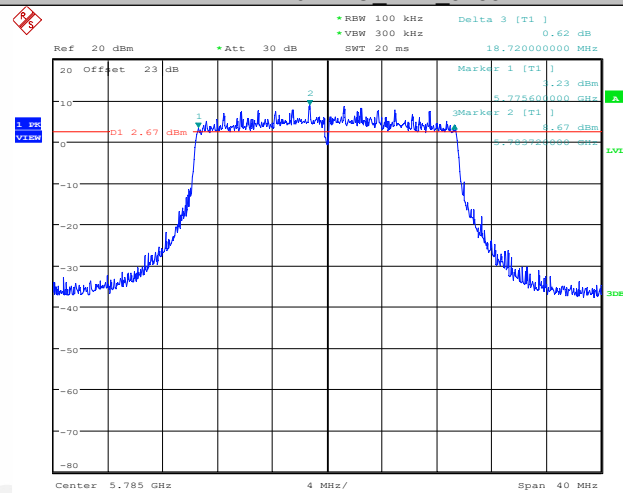
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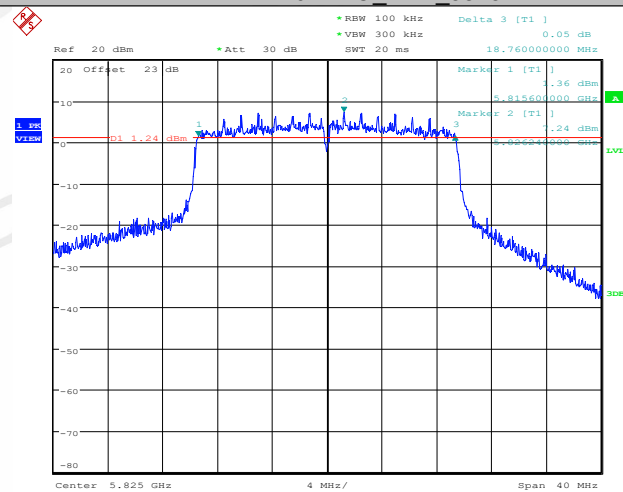
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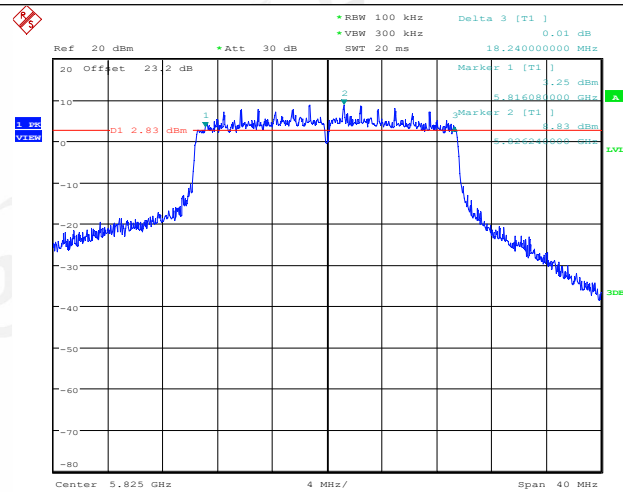
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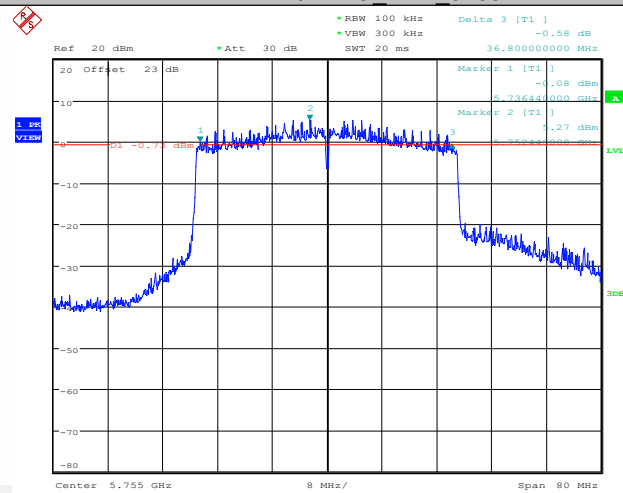


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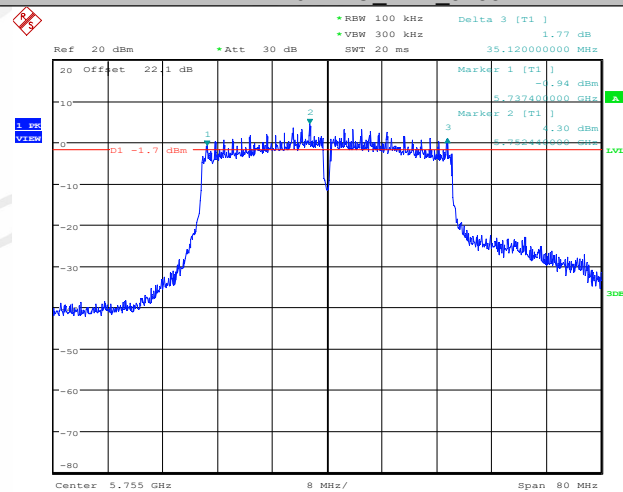
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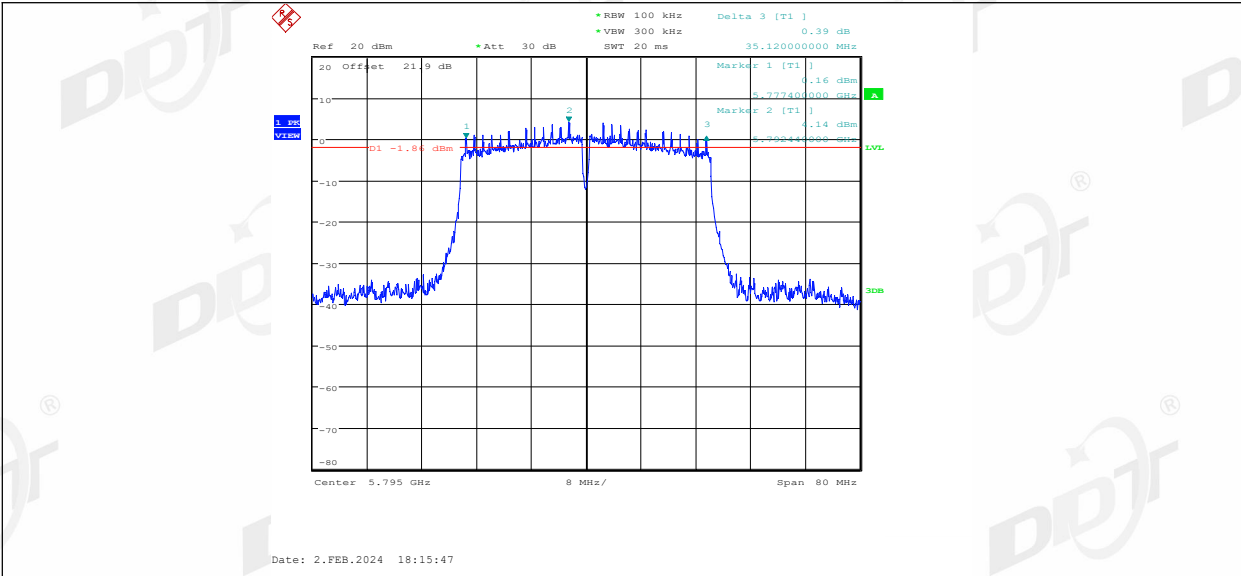
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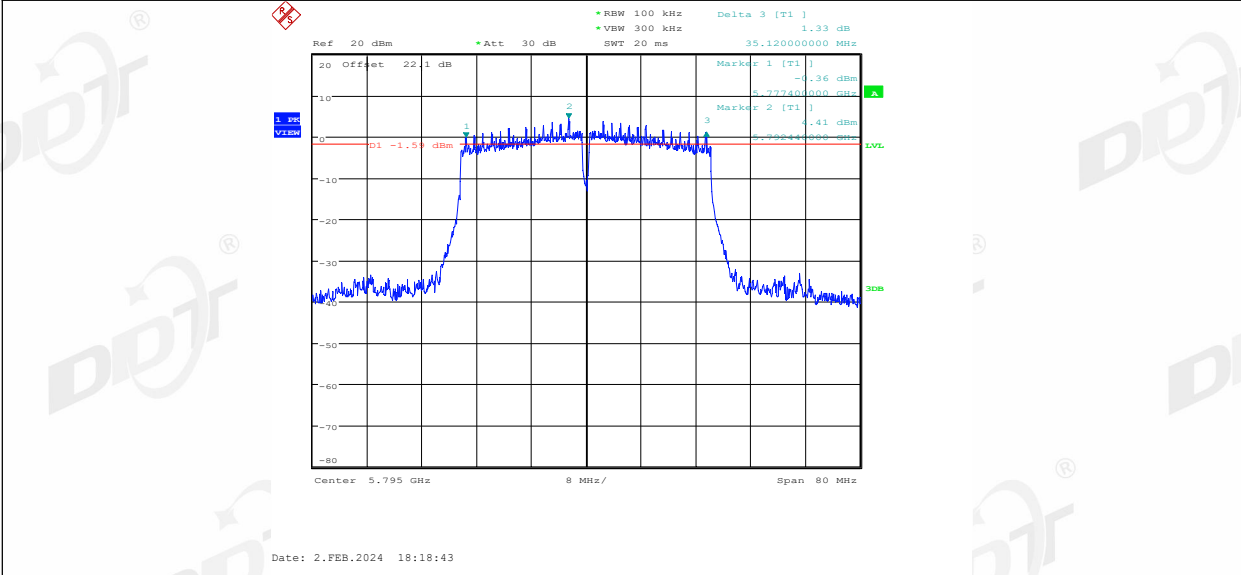
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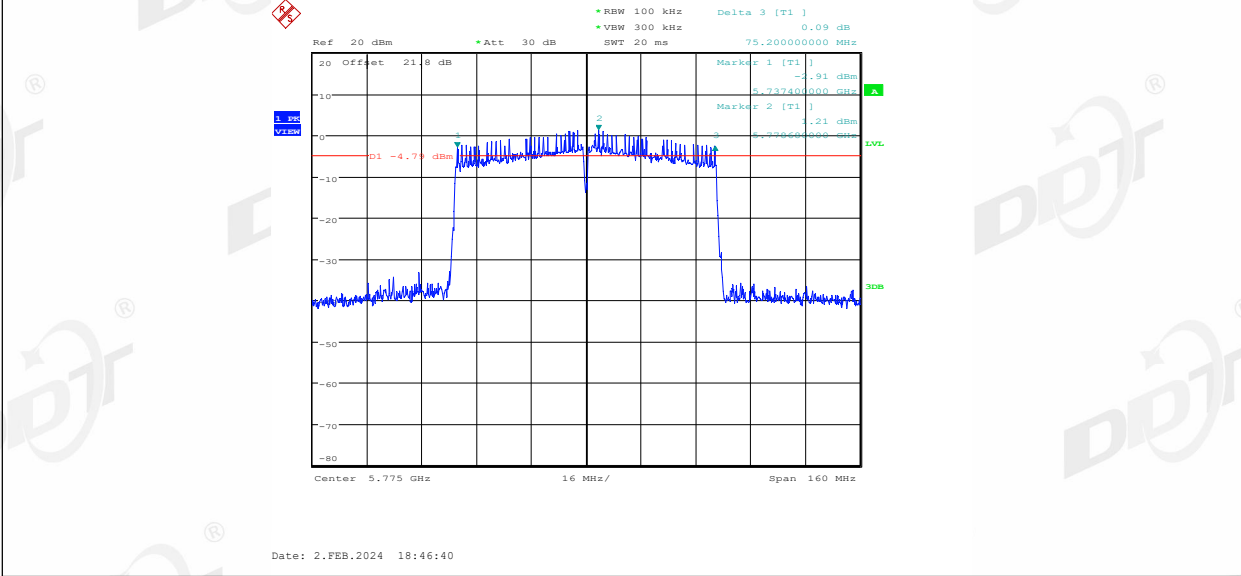
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11AX40MIMO\_Ant2\_5795



11AX80MIMO\_Ant1\_5775



11AX80MIMO\_Ant2\_5775

