

**RF Test Data for 5G Wi-Fi  
(Conducted Measurements)**

| General Description of EUT                                                                      |                           |
|-------------------------------------------------------------------------------------------------|---------------------------|
| Product Name:                                                                                   | Smart WiFi Camera         |
| Test Model:                                                                                     | WHD305                    |
| Sample ID:                                                                                      | HC-C-202407-0307-01-01-2# |
| Environmental Conditions                                                                        |                           |
| Temperature:                                                                                    | 23.8℃                     |
| Relative Humidity:                                                                              | 48%                       |
| Test Voltage:                                                                                   | DC 12V                    |
| Test Engineer:                                                                                  | Jolin Lee                 |
| Note: For a more detailed features description, please refer to the report TBR-C-202407-0307-44 |                           |

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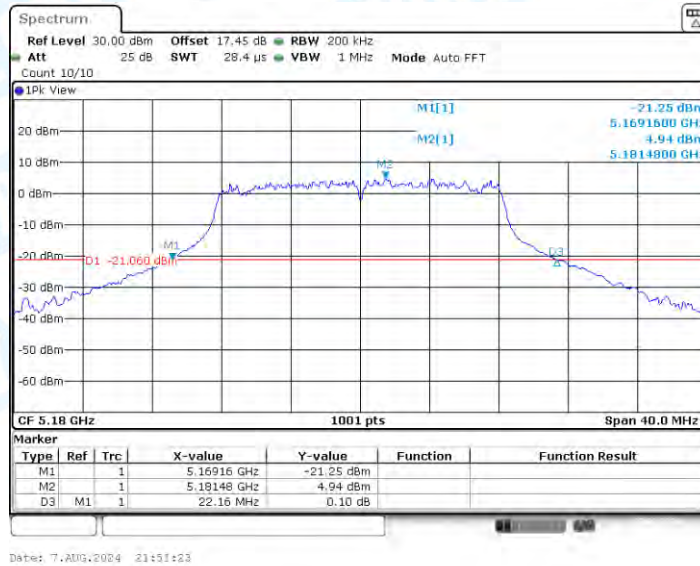


## 1. Emission Bandwidth

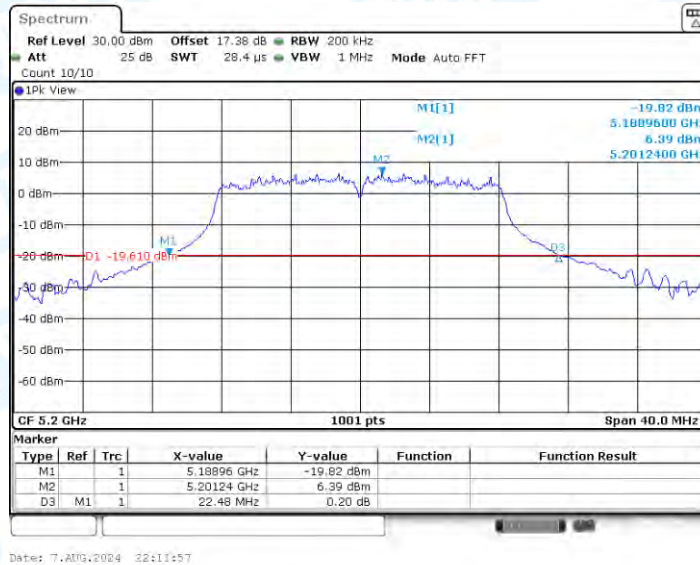
### 1.1. Test Result

| TestMode   | Antenna | Channel | 26db EBW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|------------|---------|---------|----------------|---------|---------|------------|---------|
| 11A        | Ant1    | 5180    | 22.16          | 5169.16 | 5191.32 | ---        | ---     |
|            |         | 5200    | 22.48          | 5188.96 | 5211.44 | ---        | ---     |
|            |         | 5240    | 22.64          | 5228.72 | 5251.36 | ---        | ---     |
| 11N20SISO  | Ant1    | 5180    | 23.68          | 5168.32 | 5192.00 | ---        | ---     |
|            |         | 5200    | 24.64          | 5187.68 | 5212.32 | ---        | ---     |
|            |         | 5240    | 24.32          | 5227.76 | 5252.08 | ---        | ---     |
| 11N40SISO  | Ant1    | 5190    | 46.16          | 5167.12 | 5213.28 | ---        | ---     |
|            |         | 5230    | 45.76          | 5207.36 | 5253.12 | ---        | ---     |
| 11AC20SISO | Ant1    | 5180    | 24.56          | 5167.60 | 5192.16 | ---        | ---     |
|            |         | 5200    | 24.60          | 5188.08 | 5212.68 | ---        | ---     |
|            |         | 5240    | 24.04          | 5228.16 | 5252.20 | ---        | ---     |
| 11AC40SISO | Ant1    | 5190    | 46.00          | 5167.52 | 5213.52 | ---        | ---     |
|            |         | 5230    | 44.48          | 5207.92 | 5252.40 | ---        | ---     |
| 11AX20SISO | Ant1    | 5180    | 25.76          | 5166.52 | 5192.28 | ---        | ---     |
|            |         | 5200    | 23.04          | 5188.48 | 5211.52 | ---        | ---     |
|            |         | 5240    | 23.04          | 5228.48 | 5251.52 | ---        | ---     |
| 11AX40SISO | Ant1    | 5190    | 44.88          | 5168.00 | 5212.88 | ---        | ---     |
|            |         | 5230    | 45.28          | 5207.44 | 5252.72 | ---        | ---     |

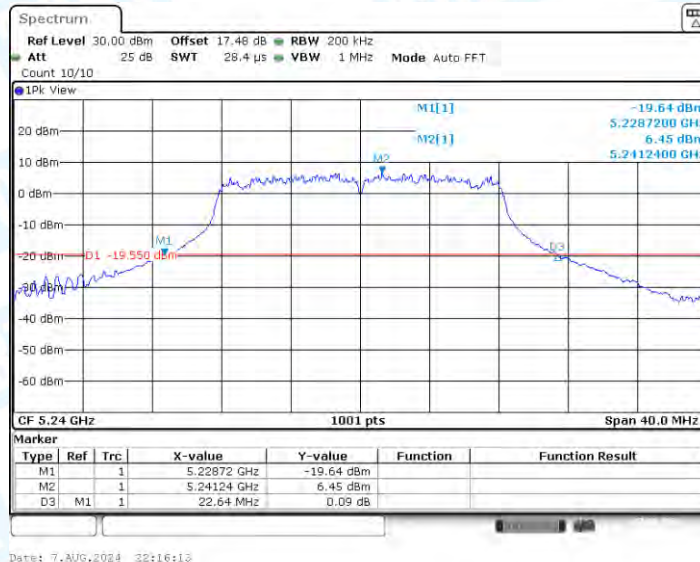
## 2.1. Test Graphs



11A\_Ant1\_5180

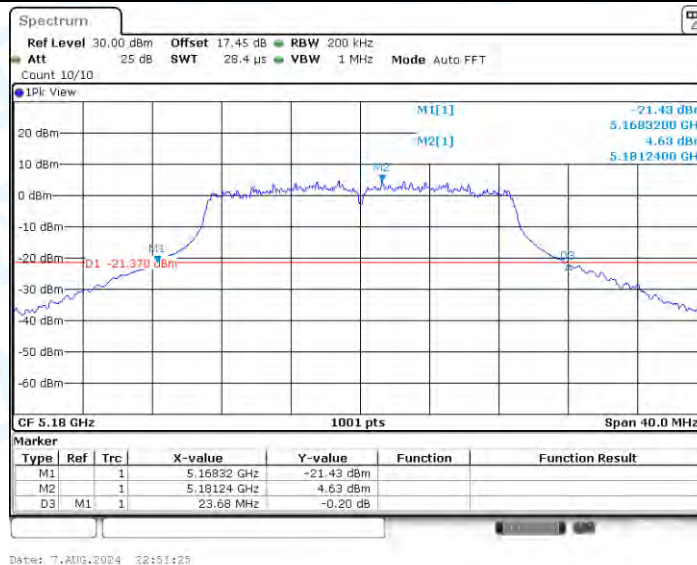


11A\_Ant1\_5200

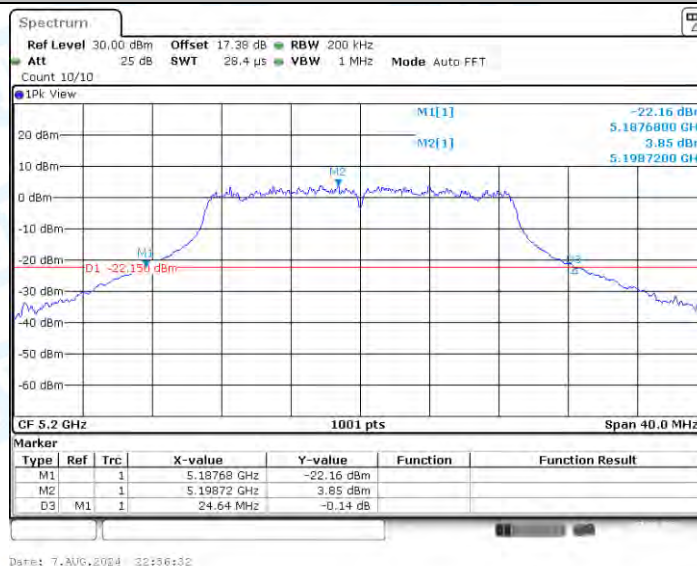




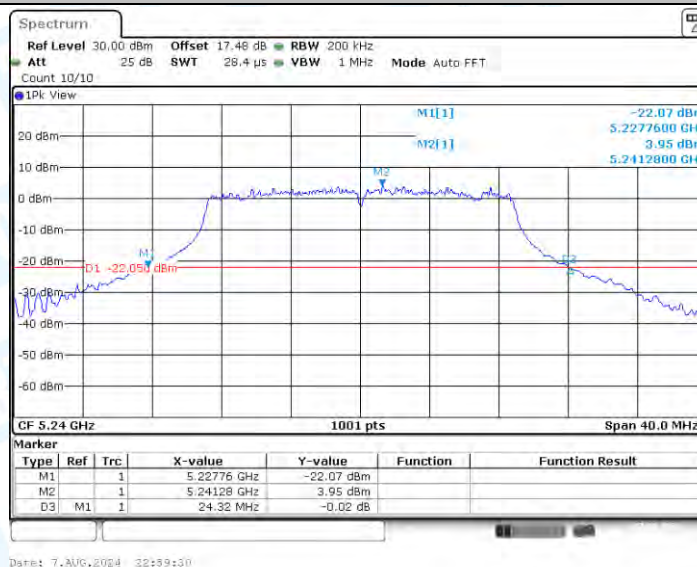
### 11A\_Ant1\_5240



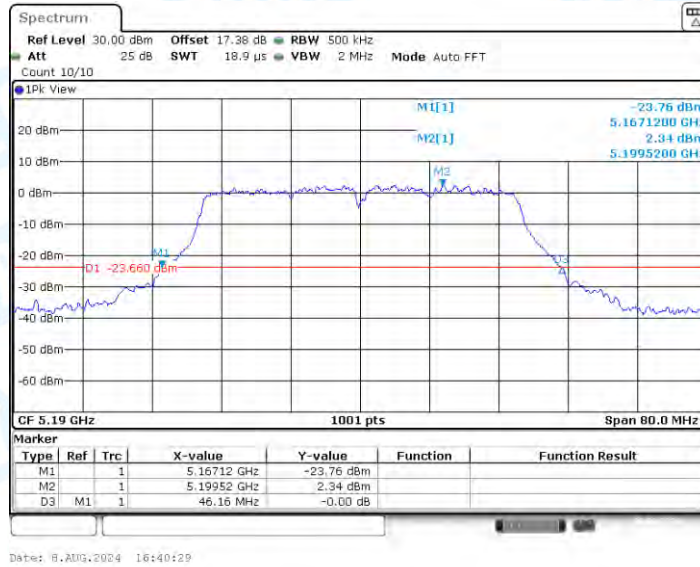
### 11N20SISO\_Ant1\_5180



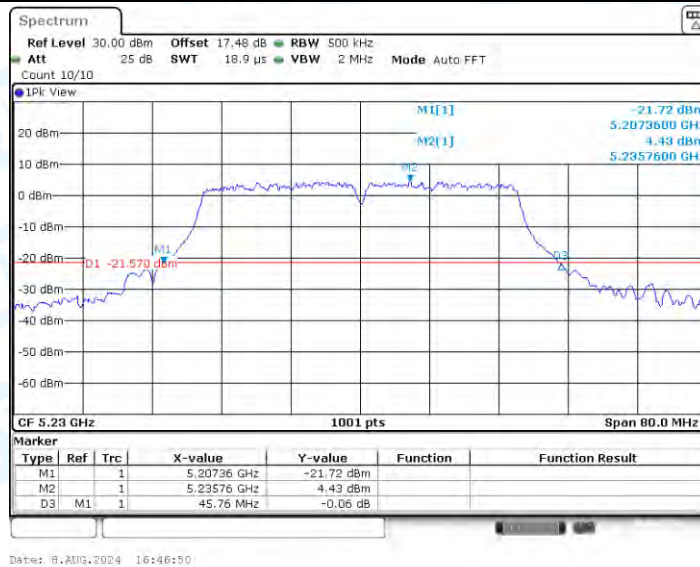
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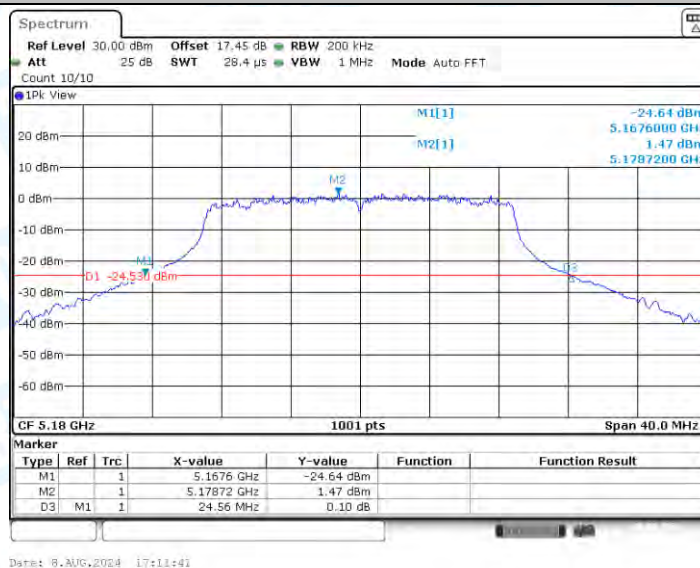
### 11N20SISO\_Ant1\_5240



11N40SISO\_Ant1\_5190

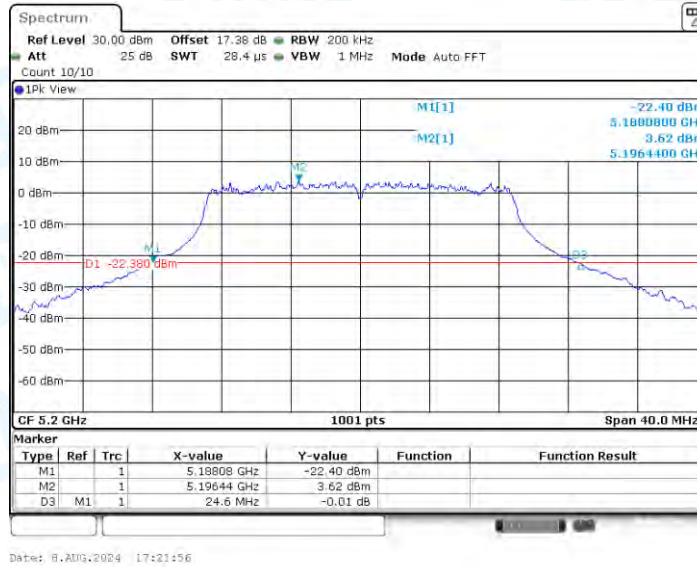


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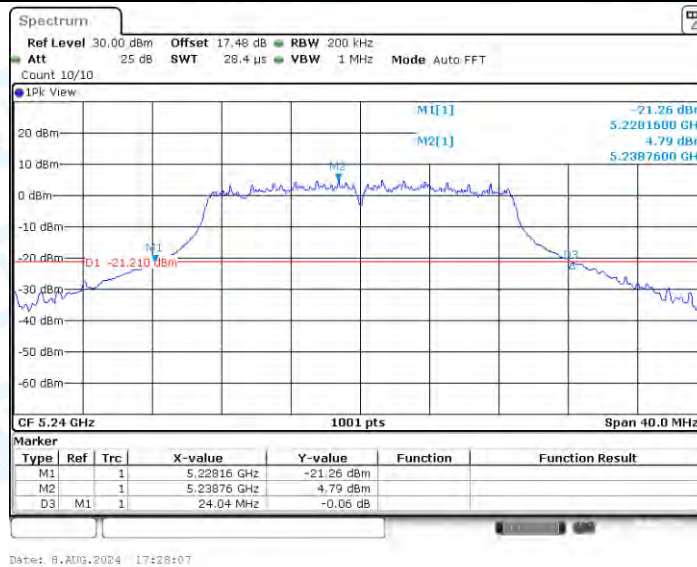


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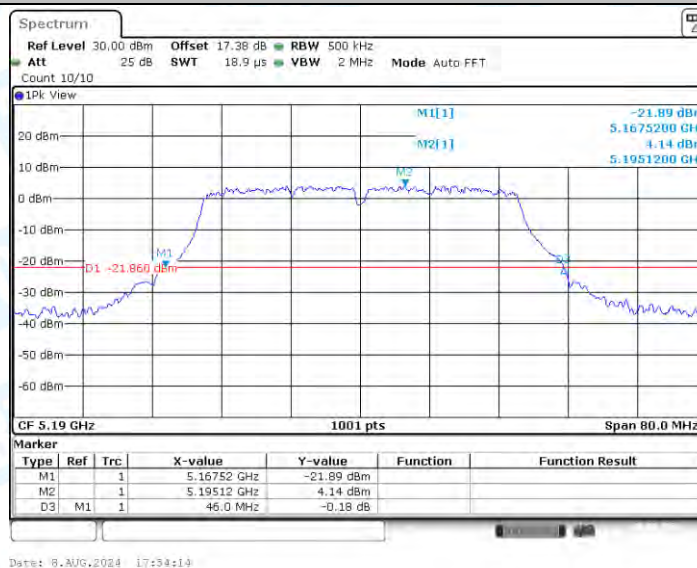




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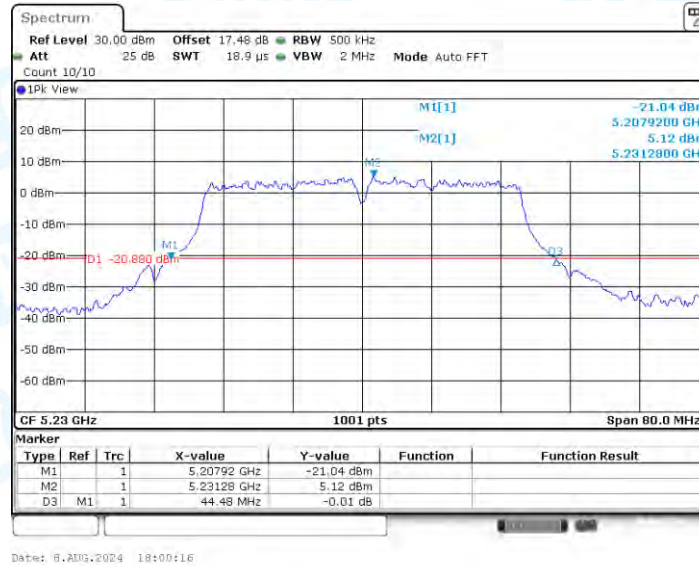


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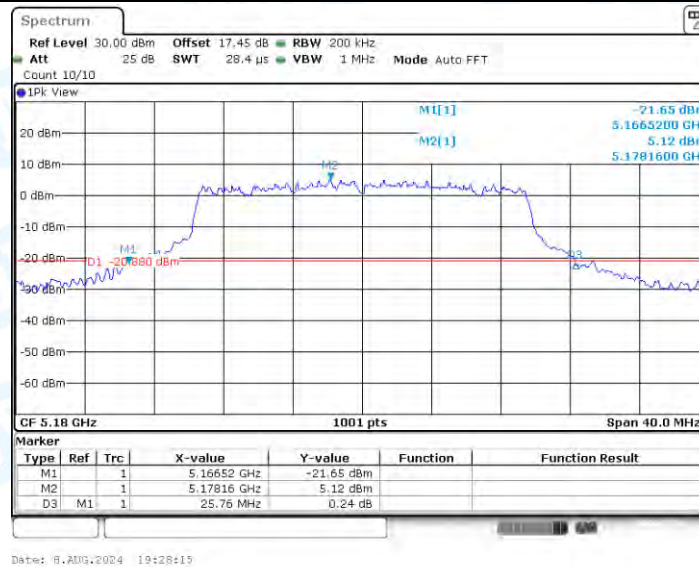


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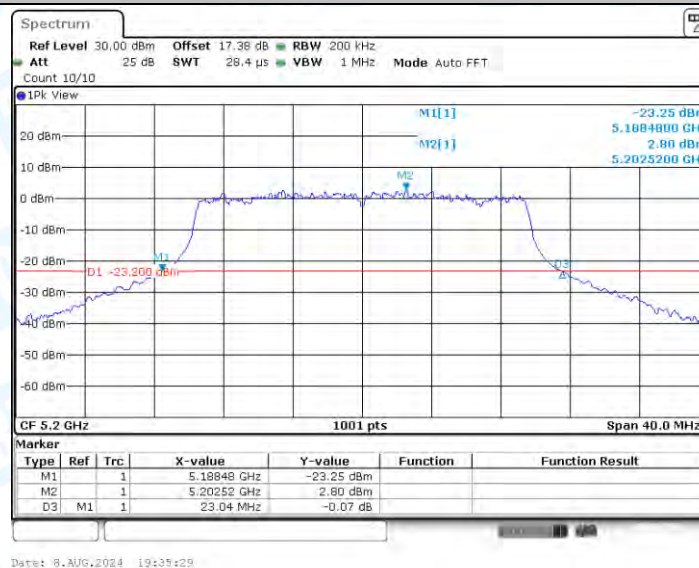




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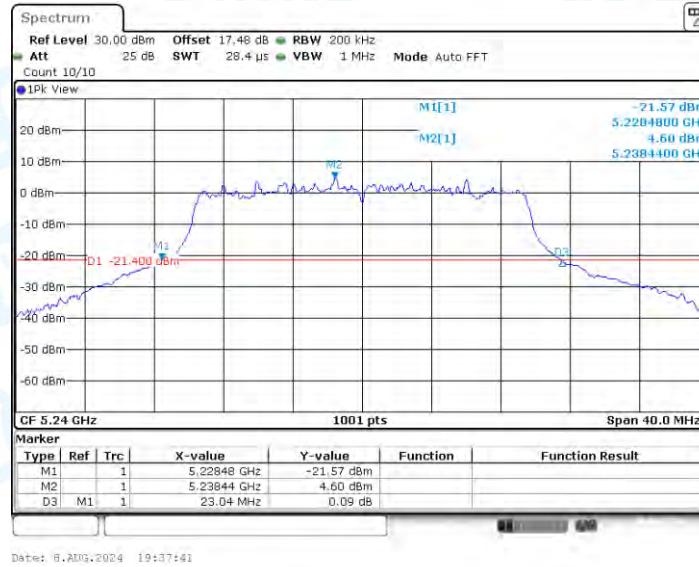


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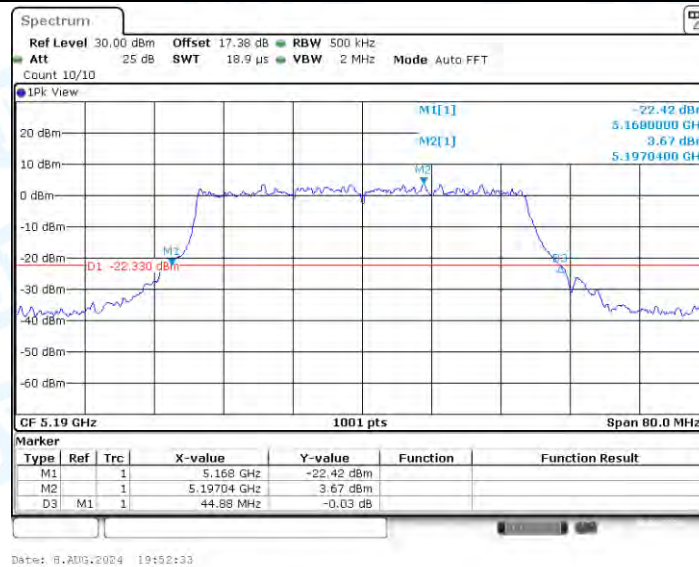


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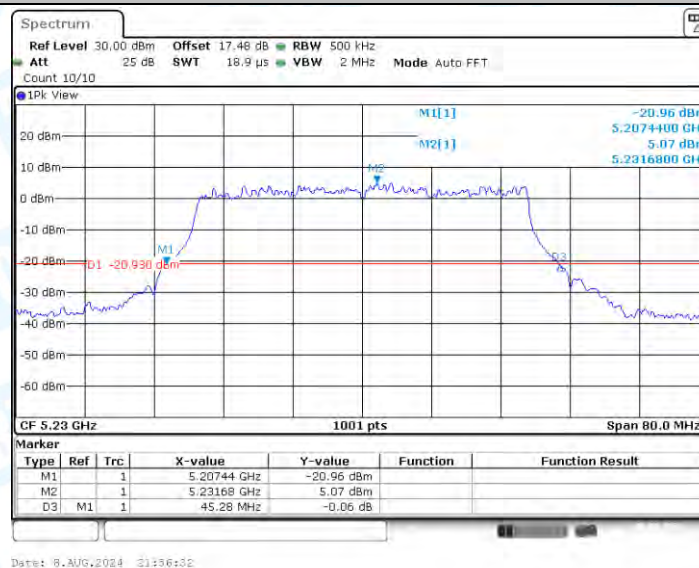




11AX20SISO\_Ant1\_5240



11AX40SISO\_Ant1\_5190



11AX40SISO\_Ant1\_5230



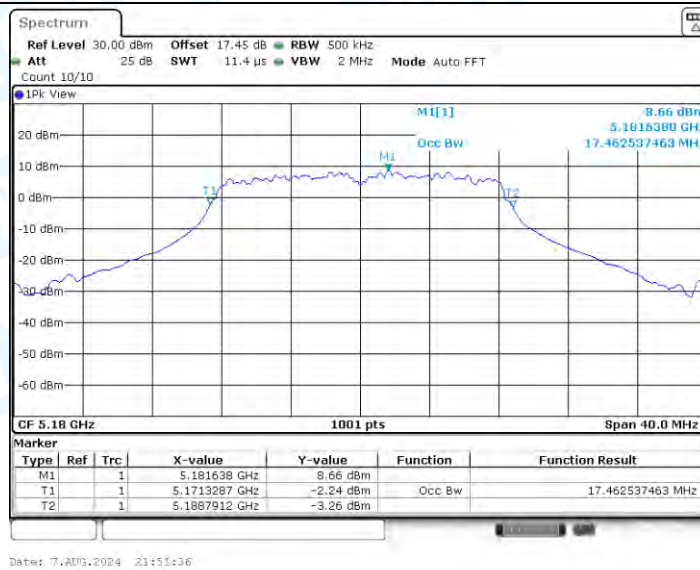
## 2. Occupied channel bandwidth

### 2.1. Test Result

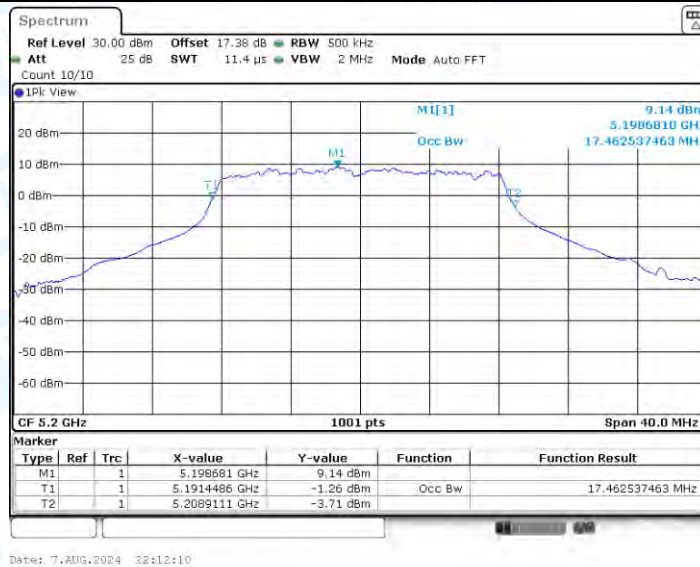
| TestMode   | Antenna | Channel | OCB [MHz] | FL[MHz]   | FH[MHz]   | Limit[MHz] | Verdict |
|------------|---------|---------|-----------|-----------|-----------|------------|---------|
| 11A        | Ant1    | 5180    | 17.463    | 5171.3287 | 5188.7912 | ---        | ---     |
|            |         | 5200    | 17.463    | 5191.4486 | 5208.9111 | ---        | ---     |
|            |         | 5240    | 18.262    | 5230.6094 | 5248.8711 | ---        | ---     |
|            |         | 5745    | 18.182    | 5736.0490 | 5754.2308 | ---        | ---     |
|            |         | 5785    | 19.62     | 5775.6094 | 5795.2298 | ---        | ---     |
|            |         | 5825    | 20.14     | 5814.6903 | 5834.8302 | ---        | ---     |
| 11N20SISO  | Ant1    | 5180    | 18.581    | 5170.6893 | 5189.2707 | ---        | ---     |
|            |         | 5200    | 19.061    | 5190.6893 | 5209.7502 | ---        | ---     |
|            |         | 5240    | 19.86     | 5230.3696 | 5250.2298 | ---        | ---     |
|            |         | 5745    | 19.381    | 5735.3297 | 5754.7103 | ---        | ---     |
|            |         | 5785    | 20.34     | 5774.9301 | 5795.2697 | ---        | ---     |
|            |         | 5825    | 21.339    | 5814.5704 | 5835.9091 | ---        | ---     |
| 11N40SISO  | Ant1    | 5190    | 37.722    | 5171.7782 | 5209.5005 | ---        | ---     |
|            |         | 5230    | 36.843    | 5211.8581 | 5248.7013 | ---        | ---     |
|            |         | 5755    | 38.282    | 5735.9790 | 5774.2607 | ---        | ---     |
|            |         | 5795    | 38.282    | 5776.1389 | 5814.4206 | ---        | ---     |
| 11AC20SISO | Ant1    | 5180    | 18.821    | 5170.7293 | 5189.5504 | ---        | ---     |
|            |         | 5200    | 18.781    | 5190.7692 | 5209.5504 | ---        | ---     |
|            |         | 5240    | 18.901    | 5230.6494 | 5249.5504 | ---        | ---     |
|            |         | 5745    | 19.421    | 5735.0500 | 5754.4705 | ---        | ---     |
|            |         | 5785    | 20.5      | 5774.4905 | 5794.9900 | ---        | ---     |
|            |         | 5825    | 20.899    | 5814.5305 | 5835.4296 | ---        | ---     |
| 11AC40SISO | Ant1    | 5190    | 36.843    | 5171.3786 | 5208.2218 | ---        | ---     |
|            |         | 5230    | 37.403    | 5210.9790 | 5248.3816 | ---        | ---     |
|            |         | 5755    | 37.483    | 5736.2987 | 5773.7812 | ---        | ---     |
|            |         | 5795    | 38.042    | 5776.2987 | 5814.3407 | ---        | ---     |
| 11AX20SISO | Ant1    | 5180    | 19.301    | 5170.3696 | 5189.6703 | ---        | ---     |
|            |         | 5200    | 19.221    | 5190.4096 | 5209.6304 | ---        | ---     |
|            |         | 5240    | 19.62     | 5230.3696 | 5249.9900 | ---        | ---     |
|            |         | 5745    | 20.14     | 5735.1299 | 5755.2697 | ---        | ---     |
|            |         | 5785    | 19.62     | 5775.2897 | 5794.9101 | ---        | ---     |
|            |         | 5825    | 19.74     | 5815.0500 | 5834.7902 | ---        | ---     |
| 11AX40SISO | Ant1    | 5190    | 38.521    | 5171.0589 | 5209.5804 | ---        | ---     |
|            |         | 5230    | 38.122    | 5210.9790 | 5249.1009 | ---        | ---     |
|            |         | 5755    | 38.521    | 5735.6593 | 5774.1808 | ---        | ---     |
|            |         | 5795    | 39.001    | 5775.6593 | 5814.6603 | ---        | ---     |



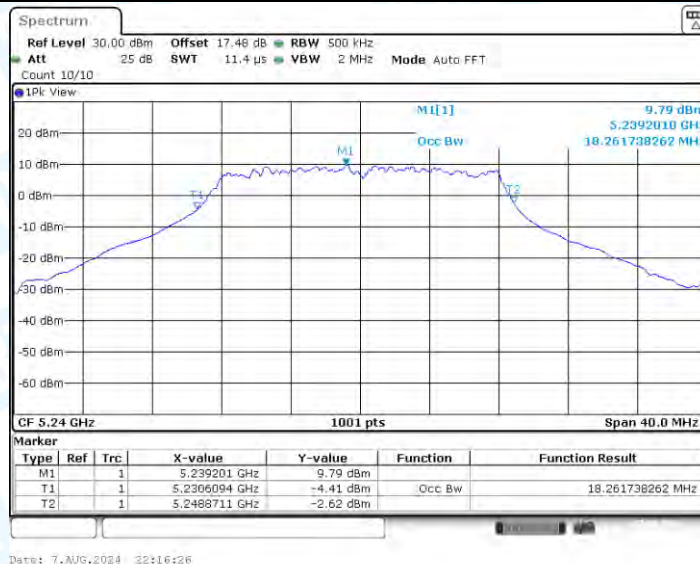
## 2.2. Test Graphs



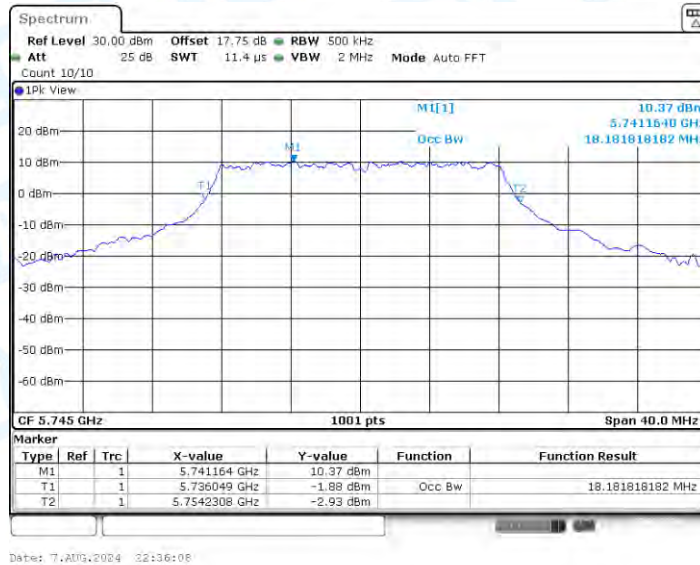
11A\_Ant1\_5180



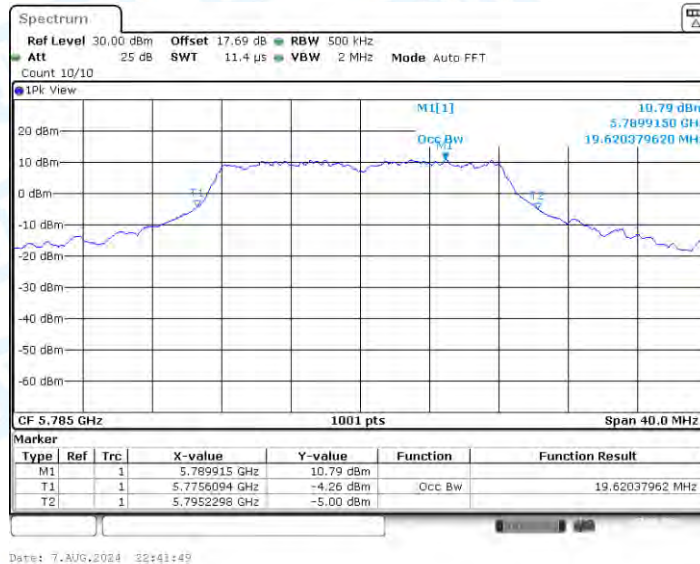
11A\_Ant1\_5200



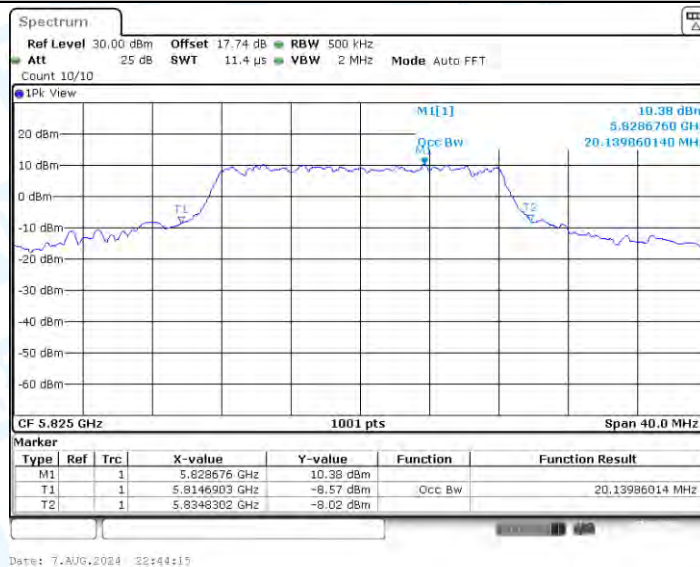
### 11A\_Ant1\_5240



### 11A\_Ant1\_5745

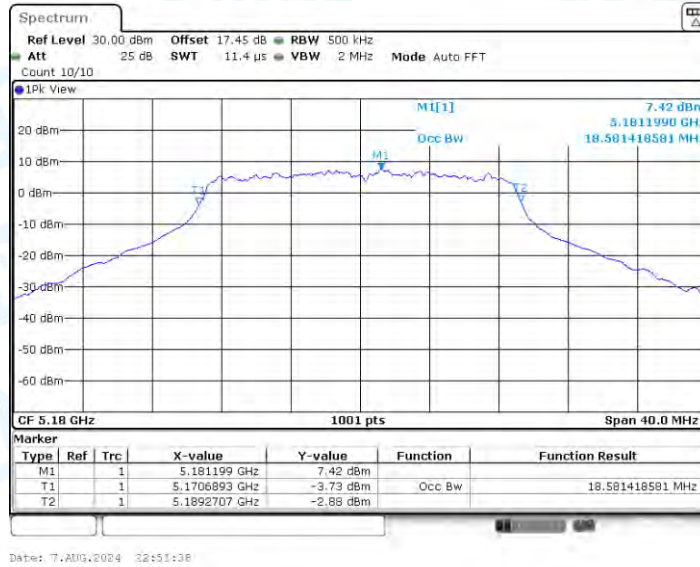


### 11A\_Ant1\_5785



### 11A\_Ant1\_5825





11N20SISO\_Ant1\_5180



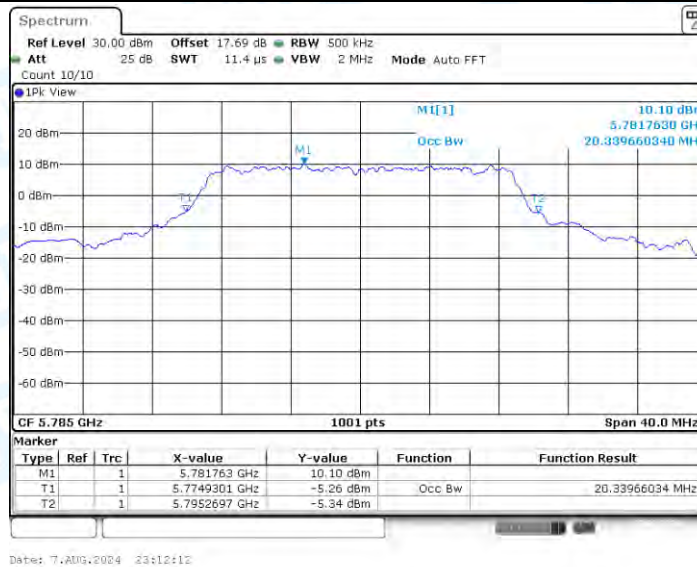
11N20SISO\_Ant1\_5200



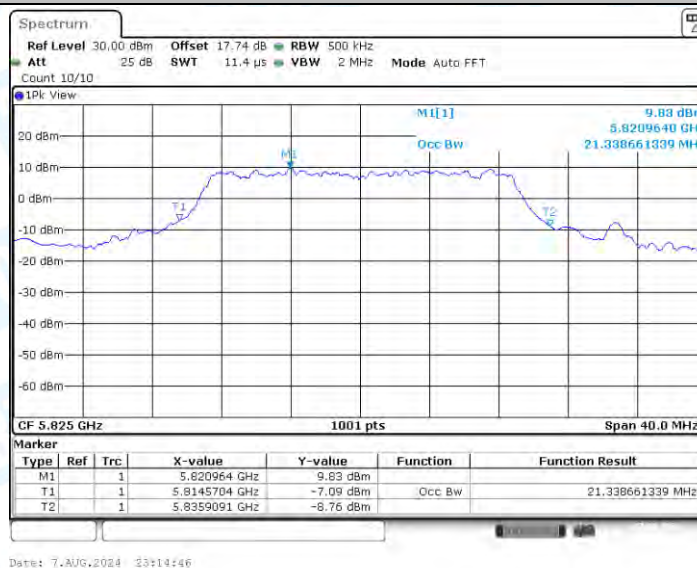
11N20SISO\_Ant1\_5240



11N20SISO\_Ant1\_5745



11N20SISO\_Ant1\_5785



11N20SISO\_Ant1\_5825





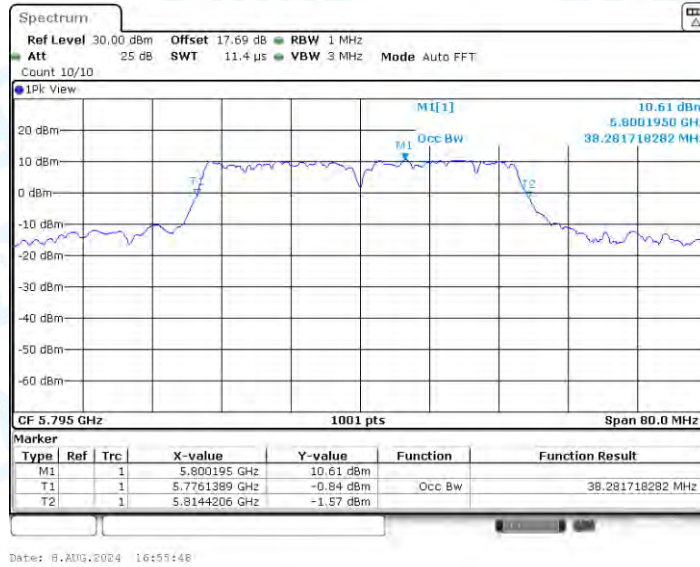
11N40SISO\_Ant1\_5190



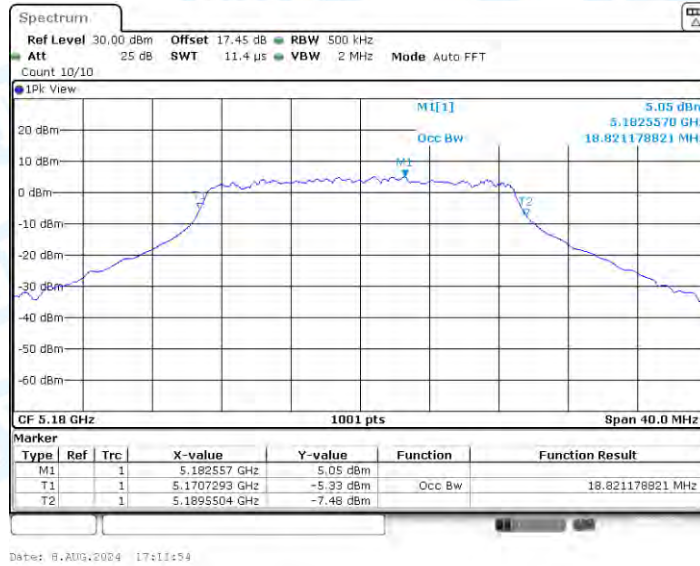
11N40SISO\_Ant1\_5230



11N40SISO\_Ant1\_5755



11N40SISO\_Ant1\_5795

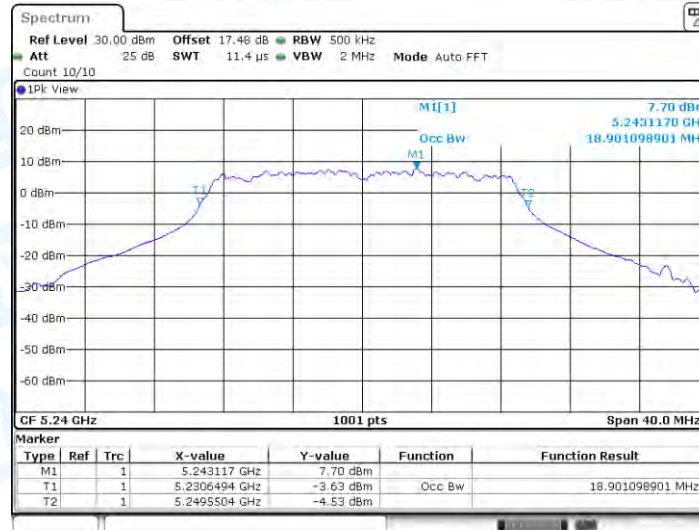


11AC20SISO\_Ant1\_5180



11AC20SISO\_Ant1\_5200





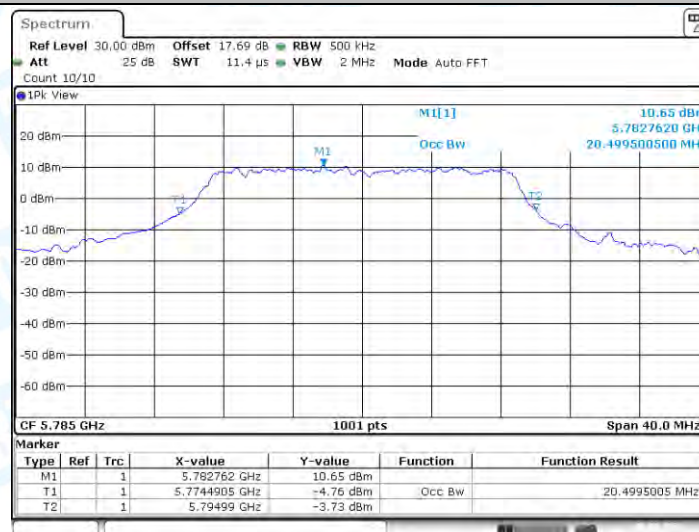
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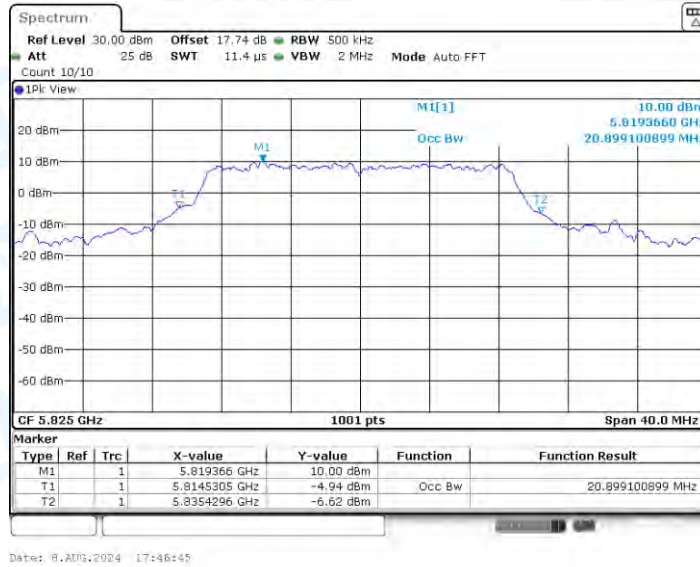
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11AC20SISO\_Ant1\_5745

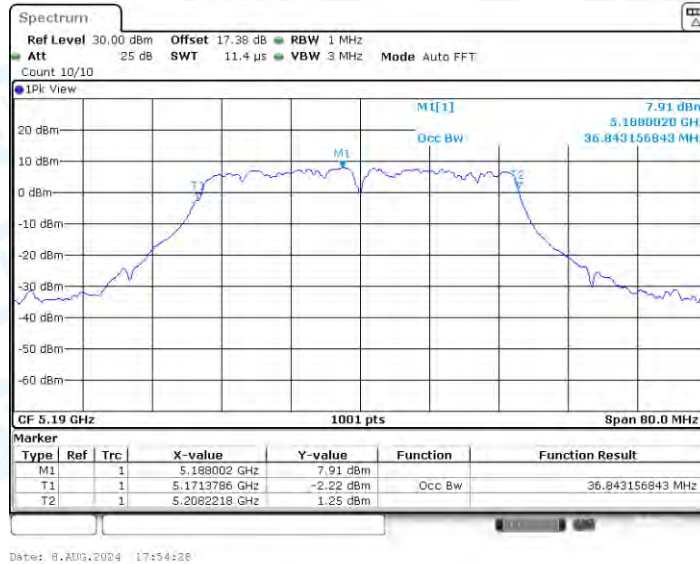


Date: 8.AUG.2024 17:42:50

11AC20SISO\_Ant1\_5785



11AC20SISO\_Ant1\_5825

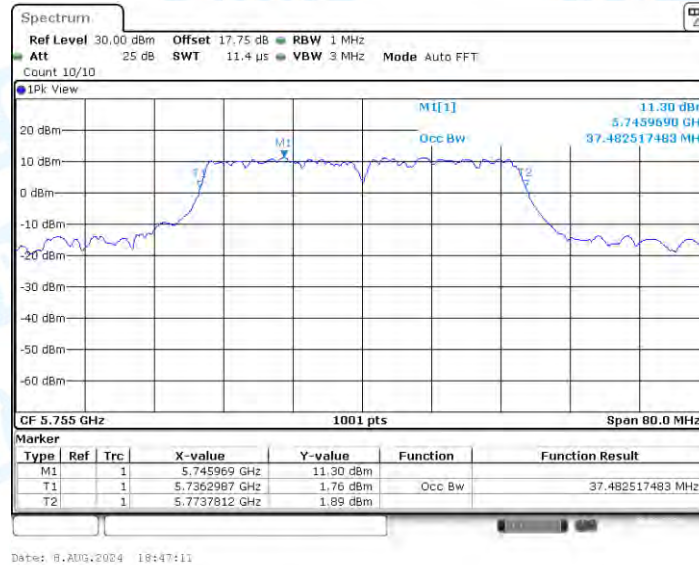


11AC40SISO\_Ant1\_5190



11AC40SISO\_Ant1\_5230

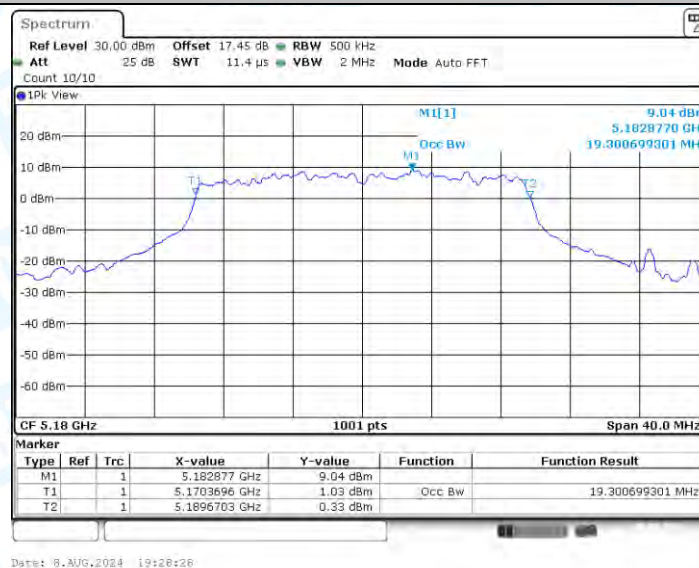




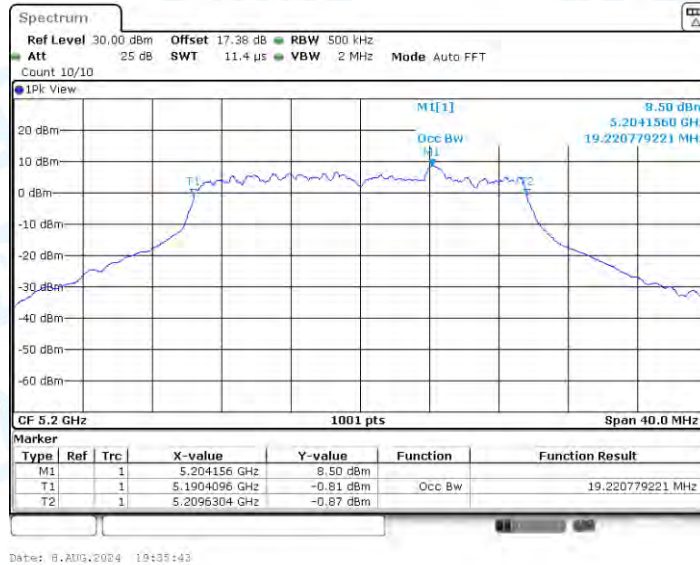
11AC40SISO\_Ant1\_5755



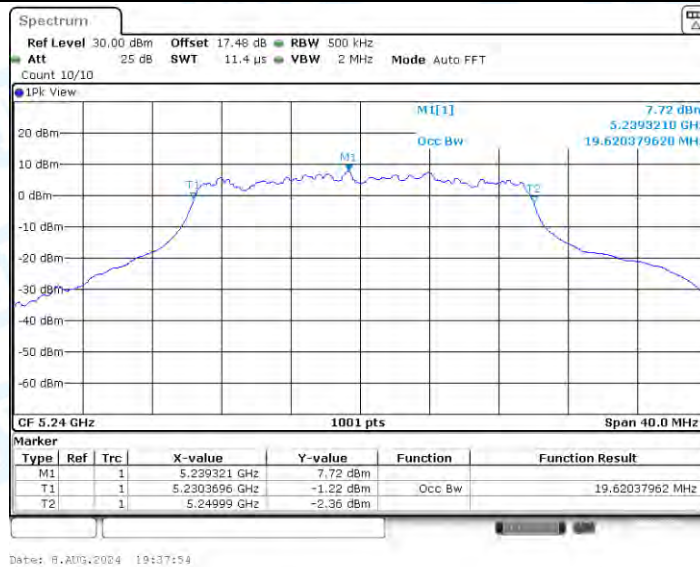
11AC40SISO\_Ant1\_5795



11AX20SISO\_Ant1\_5180



11AX20SISO\_Ant1\_5200

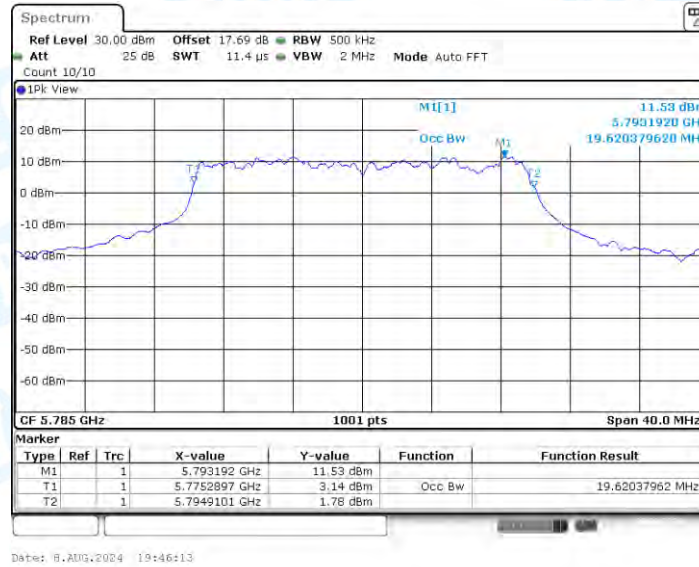


11AX20SISO\_Ant1\_5240



11AX20SISO\_Ant1\_5745





11AX20SISO\_Ant1\_5785



11AX20SISO\_Ant1\_5825



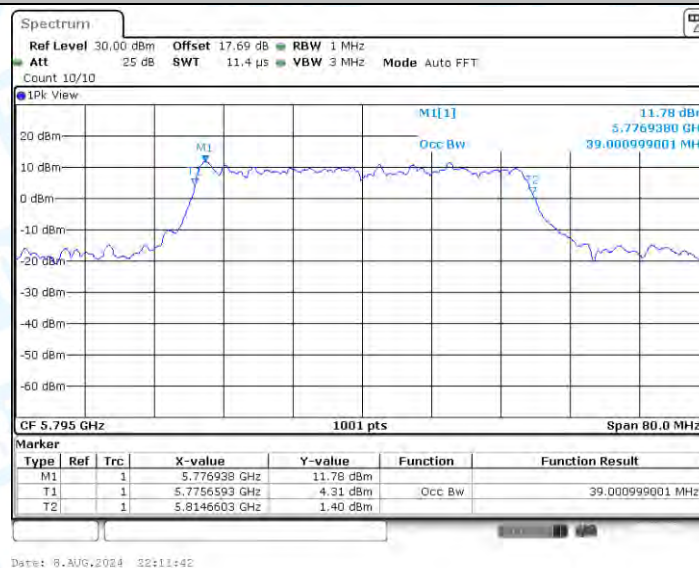
11AX40SISO\_Ant1\_5190



11AX40SISO\_Ant1\_5230



11AX40SISO\_Ant1\_5755



11AX40SISO\_Ant1\_5795

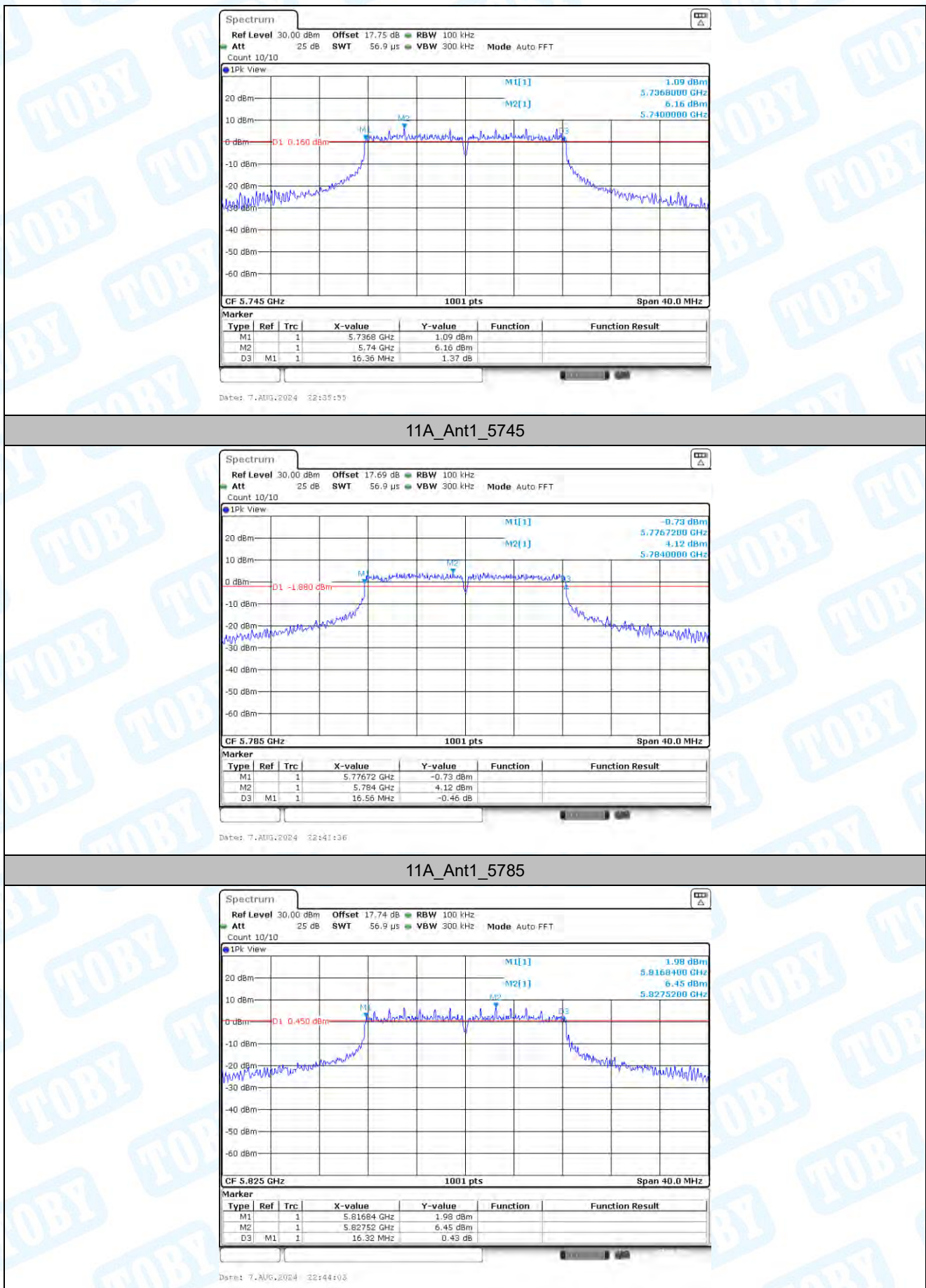


### 3. Min emission bandwidth

#### 3.1. Test Result

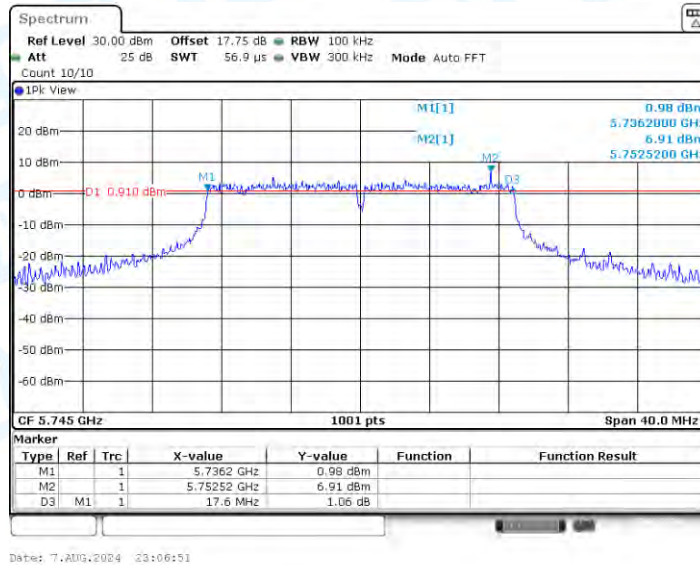
| TestMode   | Antenna | Channel | 6db EBW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|------------|---------|---------|---------------|---------|---------|------------|---------|
| 11A        | Ant1    | 5745    | 16.36         | 5736.80 | 5753.16 | 0.5        | PASS    |
|            |         | 5785    | 16.56         | 5776.72 | 5793.28 | 0.5        | PASS    |
|            |         | 5825    | 16.32         | 5816.84 | 5833.16 | 0.5        | PASS    |
| 11N20SISO  | Ant1    | 5745    | 17.60         | 5736.20 | 5753.80 | 0.5        | PASS    |
|            |         | 5785    | 17.64         | 5776.20 | 5793.84 | 0.5        | PASS    |
|            |         | 5825    | 17.60         | 5816.20 | 5833.80 | 0.5        | PASS    |
| 11N40SISO  | Ant1    | 5755    | 36.32         | 5736.84 | 5773.16 | 0.5        | PASS    |
|            |         | 5795    | 36.48         | 5776.76 | 5813.24 | 0.5        | PASS    |
| 11AC20SISO | Ant1    | 5745    | 17.84         | 5736.08 | 5753.92 | 0.5        | PASS    |
|            |         | 5785    | 17.80         | 5776.12 | 5793.92 | 0.5        | PASS    |
|            |         | 5825    | 17.80         | 5816.12 | 5833.92 | 0.5        | PASS    |
| 11AC40SISO | Ant1    | 5755    | 36.48         | 5736.76 | 5773.24 | 0.5        | PASS    |
|            |         | 5795    | 36.32         | 5776.84 | 5813.16 | 0.5        | PASS    |
| 11AX20SISO | Ant1    | 5745    | 19.12         | 5735.40 | 5754.52 | 0.5        | PASS    |
|            |         | 5785    | 18.88         | 5775.56 | 5794.44 | 0.5        | PASS    |
|            |         | 5825    | 19.04         | 5815.48 | 5834.52 | 0.5        | PASS    |
| 11AX40SISO | Ant1    | 5755    | 38.24         | 5735.88 | 5774.12 | 0.5        | PASS    |
|            |         | 5795    | 38.08         | 5775.96 | 5814.04 | 0.5        | PASS    |

### 3.2. Test Graphs

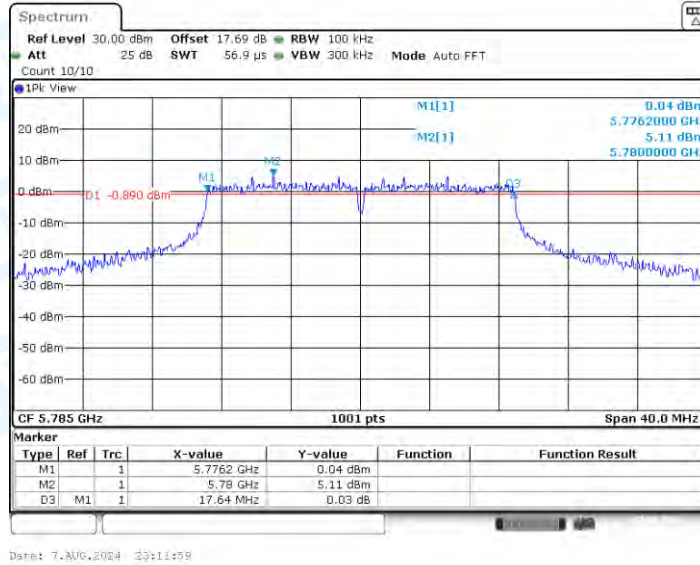




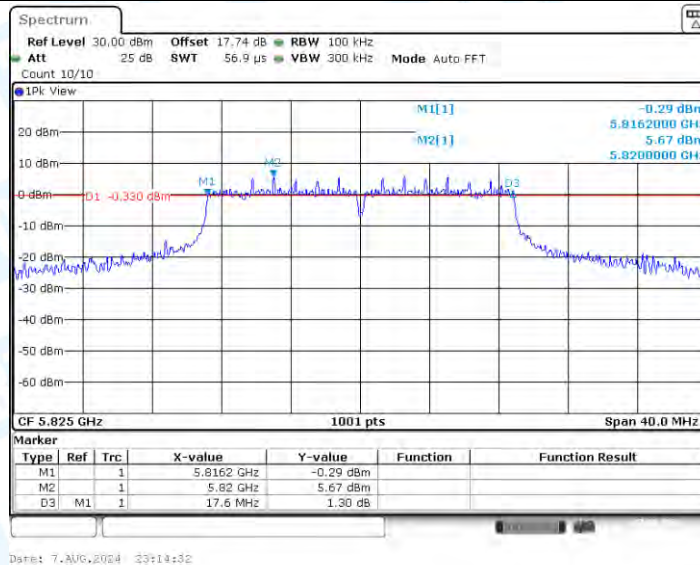
### 11A\_Ant1\_5825



### 11N20SISO\_Ant1\_5745

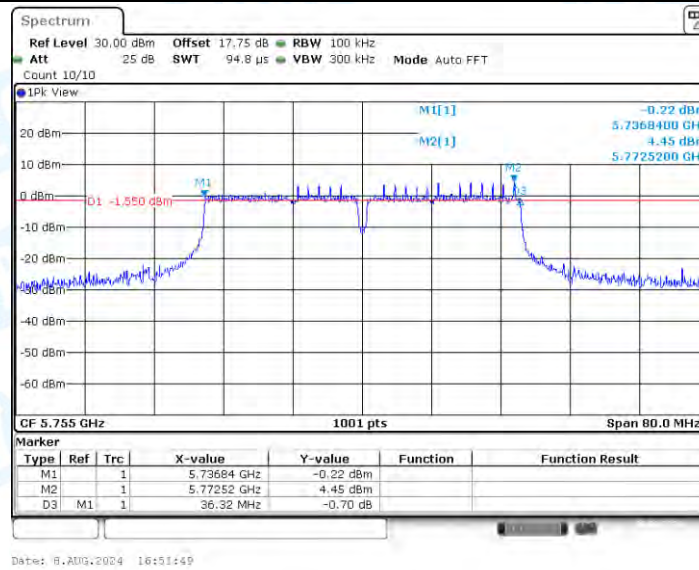


### 11N20SISO\_Ant1\_5785

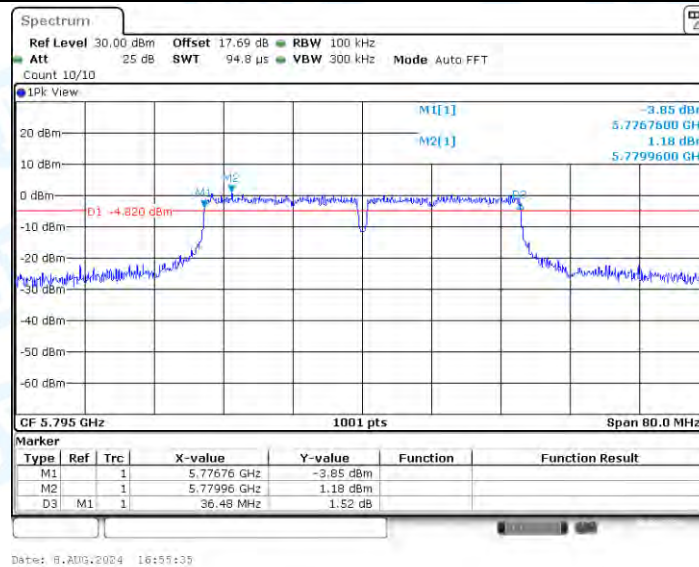


### 11N20SISO\_Ant1\_5825

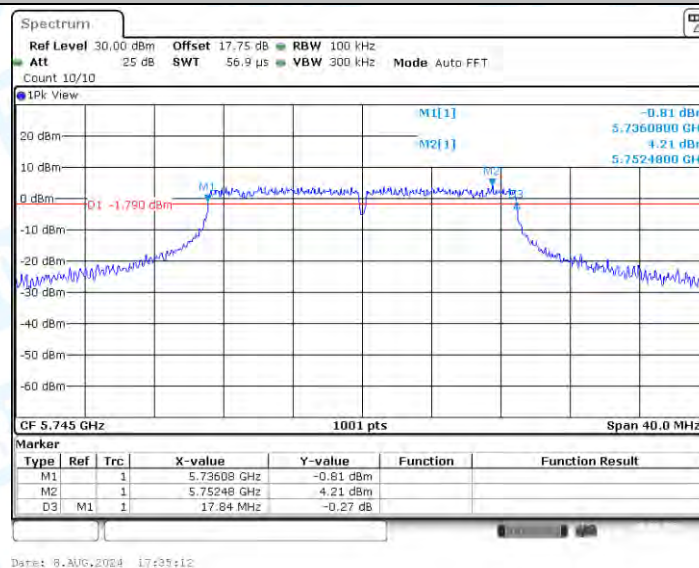




11N40SISO\_Ant1\_5755

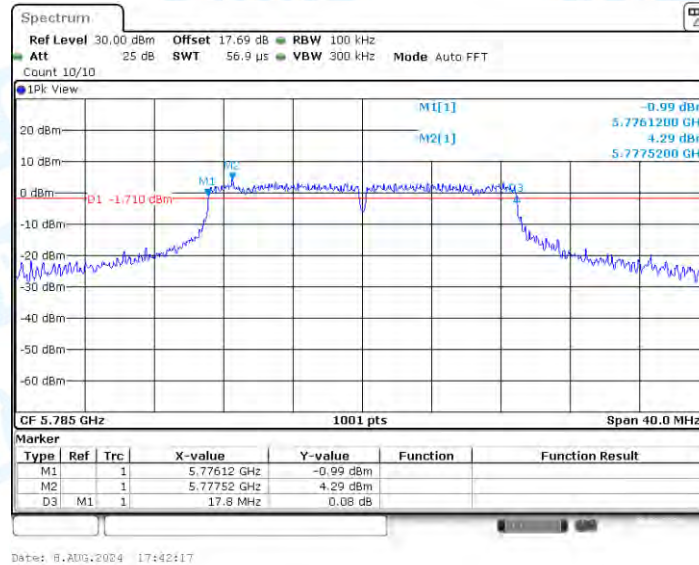


11N40SISO\_Ant1\_5795

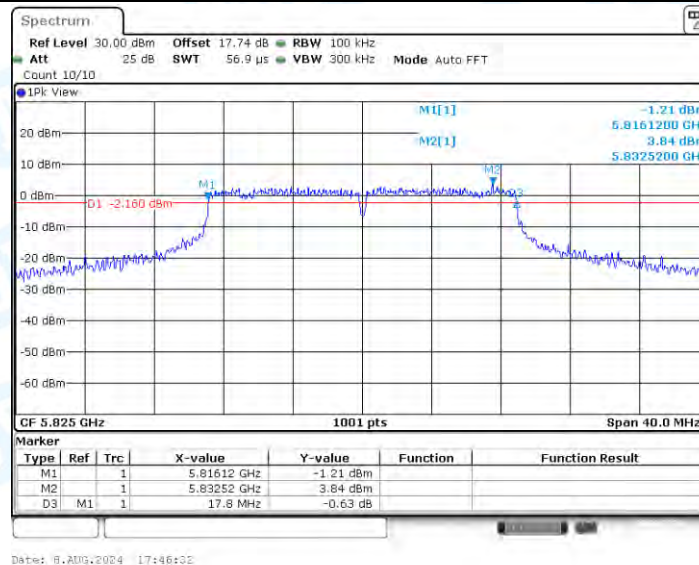


11AC20SISO\_Ant1\_5745

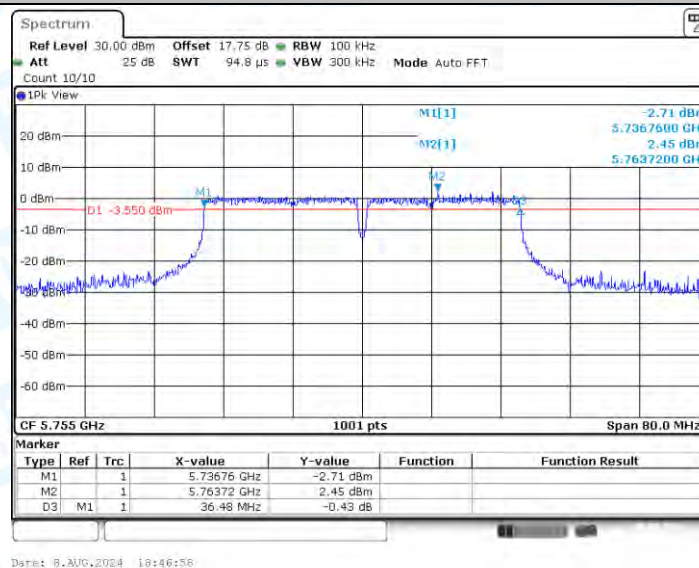




11AC20SISO\_Ant1\_5785

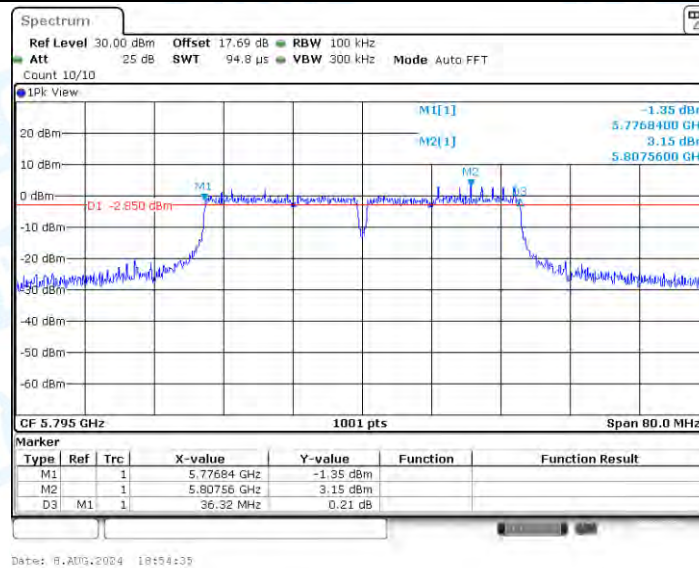


11AC20SISO\_Ant1\_5825

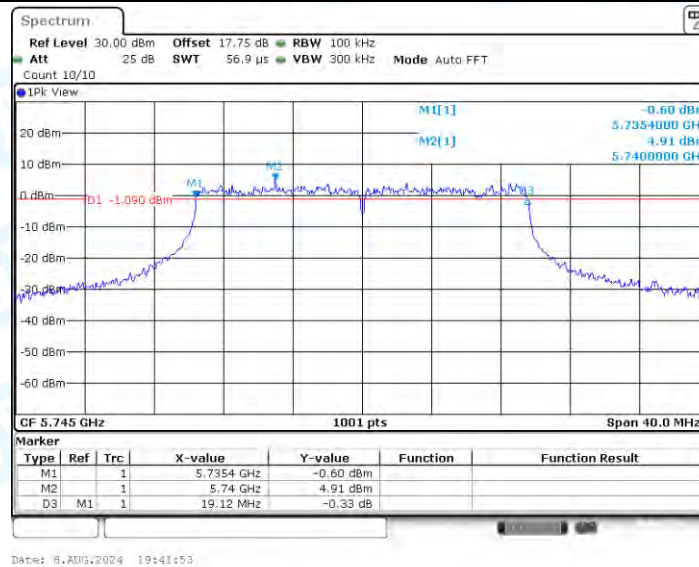


11AC40SISO\_Ant1\_5755

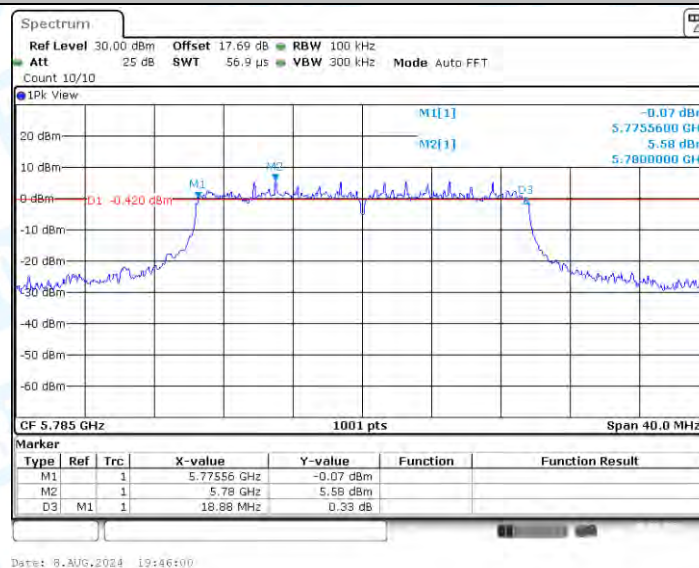




11AC40SISO\_Ant1\_5795

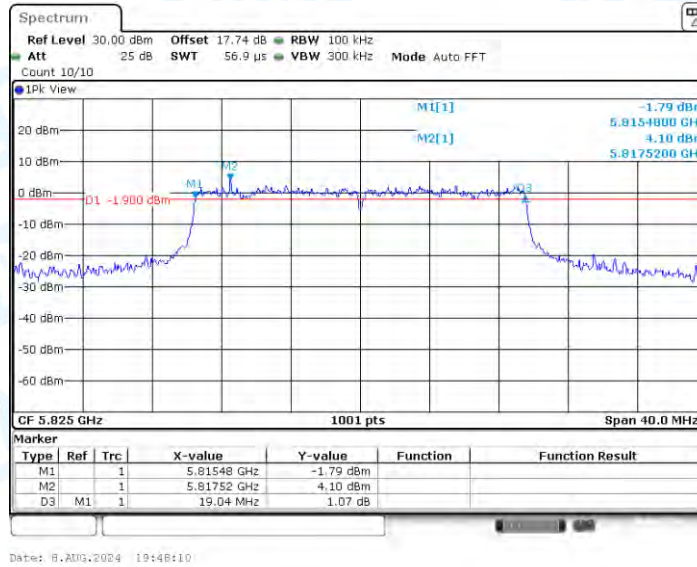


11AX20SISO\_Ant1\_5745

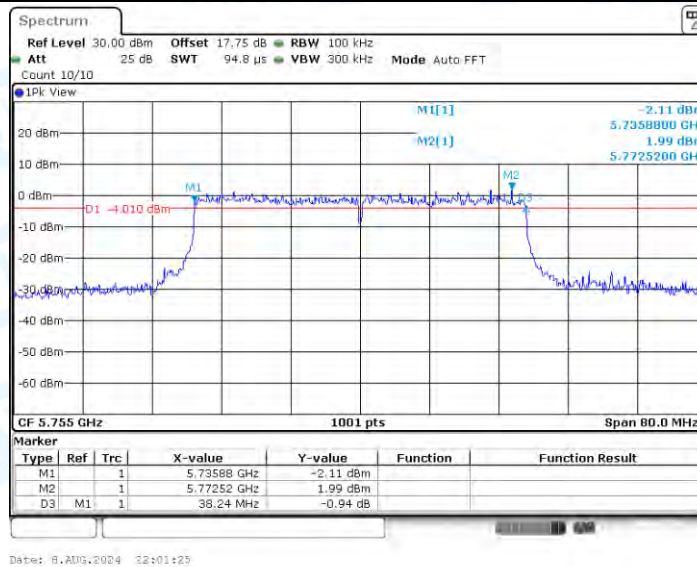


11AX20SISO\_Ant1\_5785

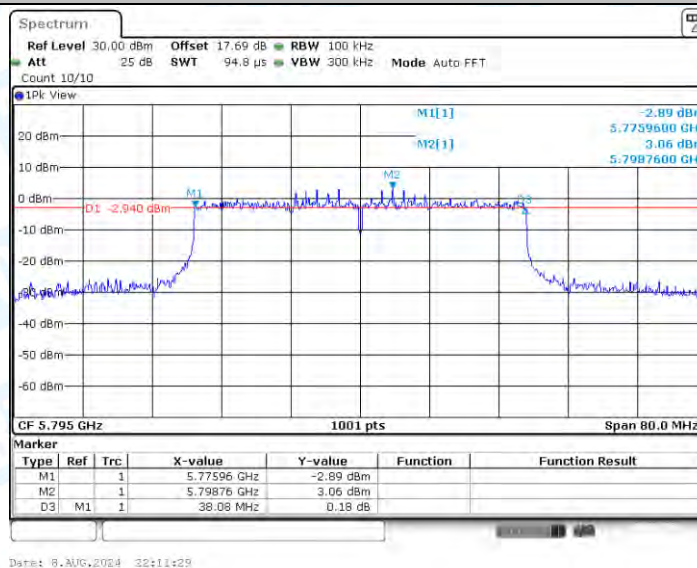




11AX20SISO\_Ant1\_5825



11AX40SISO\_Ant1\_5755



11AX40SISO\_Ant1\_5795



## 4. Maximum conducted output power

### 4.1. Test Result

| TestMode   | Antenna | Channel | Result[dBm] | Limit[dBm] | Verdict |
|------------|---------|---------|-------------|------------|---------|
| 11A        | Ant1    | 5180    | 15.20       | ≤23.98     | PASS    |
|            |         | 5200    | 15.75       | ≤23.98     | PASS    |
|            |         | 5240    | 15.81       | ≤23.98     | PASS    |
|            |         | 5745    | 18.18       | ≤30.00     | PASS    |
|            |         | 5785    | 17.41       | ≤30.00     | PASS    |
|            |         | 5825    | 16.85       | ≤30.00     | PASS    |
| 11N20SISO  | Ant1    | 5180    | 13.18       | ≤23.98     | PASS    |
|            |         | 5200    | 13.20       | ≤23.98     | PASS    |
|            |         | 5240    | 13.42       | ≤23.98     | PASS    |
|            |         | 5745    | 17.68       | ≤30.00     | PASS    |
|            |         | 5785    | 16.52       | ≤30.00     | PASS    |
|            |         | 5825    | 15.82       | ≤30.00     | PASS    |
| 11N40SISO  | Ant1    | 5190    | 13.24       | ≤23.98     | PASS    |
|            |         | 5230    | 14.13       | ≤23.98     | PASS    |
|            |         | 5755    | 16.64       | ≤30.00     | PASS    |
|            |         | 5795    | 16.73       | ≤30.00     | PASS    |
| 11AC20SISO | Ant1    | 5180    | 13.27       | ≤23.98     | PASS    |
|            |         | 5200    | 13.15       | ≤23.98     | PASS    |
|            |         | 5240    | 13.43       | ≤23.98     | PASS    |
|            |         | 5745    | 16.95       | ≤30.00     | PASS    |
|            |         | 5785    | 16.46       | ≤30.00     | PASS    |
|            |         | 5825    | 15.83       | ≤30.00     | PASS    |
| 11AC40SISO | Ant1    | 5190    | 13.48       | ≤23.98     | PASS    |
|            |         | 5230    | 13.07       | ≤23.98     | PASS    |
|            |         | 5755    | 16.63       | ≤30.00     | PASS    |
|            |         | 5795    | 16.16       | ≤30.00     | PASS    |
| 11AX20SISO | Ant1    | 5180    | 11.09       | ≤23.98     | PASS    |
|            |         | 5200    | 11.75       | ≤23.98     | PASS    |
|            |         | 5240    | 12.13       | ≤23.98     | PASS    |
|            |         | 5745    | 16.17       | ≤30.00     | PASS    |
|            |         | 5785    | 15.78       | ≤30.00     | PASS    |
|            |         | 5825    | 15.20       | ≤30.00     | PASS    |
| 11AX40SISO | Ant1    | 5190    | 11.13       | ≤23.98     | PASS    |
|            |         | 5230    | 11.89       | ≤23.98     | PASS    |
|            |         | 5755    | 16.22       | ≤30.00     | PASS    |
|            |         | 5795    | 15.91       | ≤30.00     | PASS    |

Note: The Duty Cycle Factor is compensated in the graph.



## 5. Maximum power spectral density

### 5.1. Test Result

| TestMode   | Antenna | Channel | Result [dBm/MHz] | Limit[dBm/MHz] | Verdict |
|------------|---------|---------|------------------|----------------|---------|
| 11A        | Ant1    | 5180    | 4.81             | ≤11.00         | PASS    |
|            |         | 5200    | 5.33             | ≤11.00         | PASS    |
|            |         | 5240    | 5.92             | ≤11.00         | PASS    |
|            |         | 5745    | 5.05             | ≤30.00         | PASS    |
|            |         | 5785    | 4.05             | ≤30.00         | PASS    |
|            |         | 5825    | 3.30             | ≤30.00         | PASS    |
| 11N20SISO  | Ant1    | 5180    | 3.00             | ≤11.00         | PASS    |
|            |         | 5200    | 3.02             | ≤11.00         | PASS    |
|            |         | 5240    | 2.95             | ≤11.00         | PASS    |
|            |         | 5745    | 3.31             | ≤30.00         | PASS    |
|            |         | 5785    | 2.53             | ≤30.00         | PASS    |
|            |         | 5825    | 1.87             | ≤30.00         | PASS    |
| 11N40SISO  | Ant1    | 5190    | 0.27             | ≤11.00         | PASS    |
|            |         | 5230    | 1.20             | ≤11.00         | PASS    |
|            |         | 5755    | 0.23             | ≤30.00         | PASS    |
|            |         | 5795    | -0.47            | ≤30.00         | PASS    |
| 11AC20SISO | Ant1    | 5180    | 3.00             | ≤11.00         | PASS    |
|            |         | 5200    | 3.11             | ≤11.00         | PASS    |
|            |         | 5240    | 3.18             | ≤11.00         | PASS    |
|            |         | 5745    | 3.47             | ≤30.00         | PASS    |
|            |         | 5785    | 2.84             | ≤30.00         | PASS    |
|            |         | 5825    | 2.21             | ≤30.00         | PASS    |
| 11AC40SISO | Ant1    | 5190    | 0.01             | ≤11.00         | PASS    |
|            |         | 5230    | -0.09            | ≤11.00         | PASS    |
|            |         | 5755    | 0.28             | ≤30.00         | PASS    |
|            |         | 5795    | -0.38            | ≤30.00         | PASS    |
| 11AX20SISO | Ant1    | 5180    | 0.75             | ≤11.00         | PASS    |
|            |         | 5200    | 0.90             | ≤11.00         | PASS    |
|            |         | 5240    | 1.14             | ≤11.00         | PASS    |
|            |         | 5745    | 2.36             | ≤30.00         | PASS    |
|            |         | 5785    | 1.73             | ≤30.00         | PASS    |
|            |         | 5825    | 1.23             | ≤30.00         | PASS    |
| 11AX40SISO | Ant1    | 5190    | -2.47            | ≤11.00         | PASS    |
|            |         | 5230    | -1.38            | ≤11.00         | PASS    |
|            |         | 5755    | -0.64            | ≤30.00         | PASS    |
|            |         | 5795    | -1.22            | ≤30.00         | PASS    |

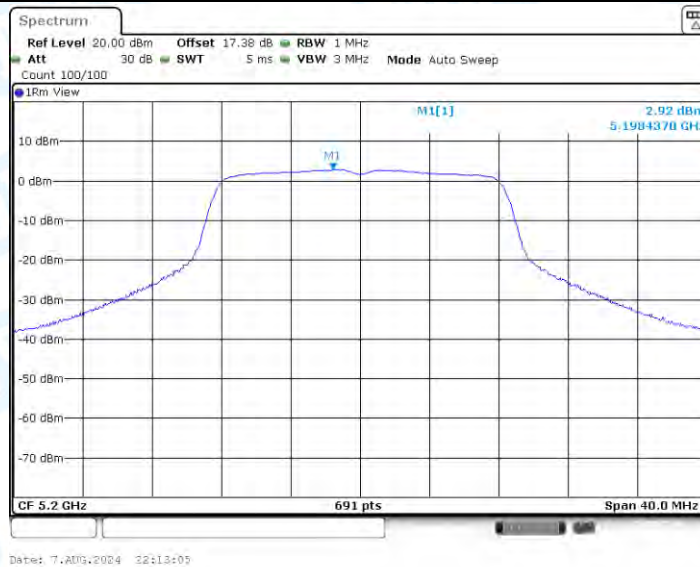
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

## 5.2. Test Graphs



11A\_Ant1\_5180

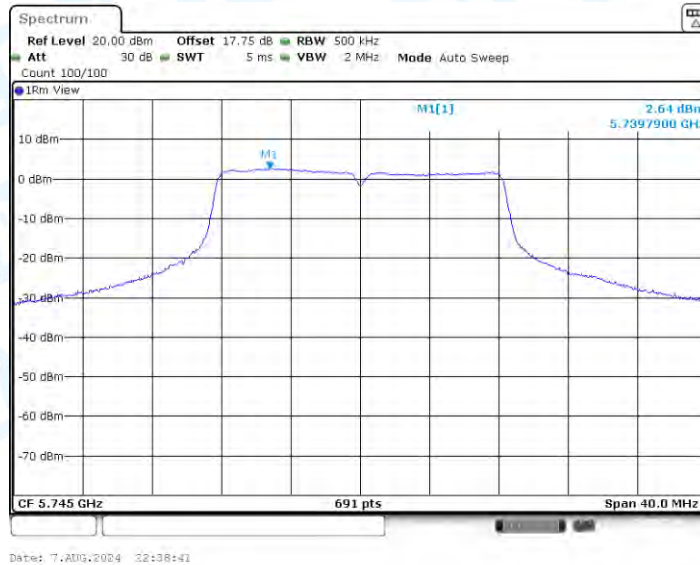


11A\_Ant1\_5200

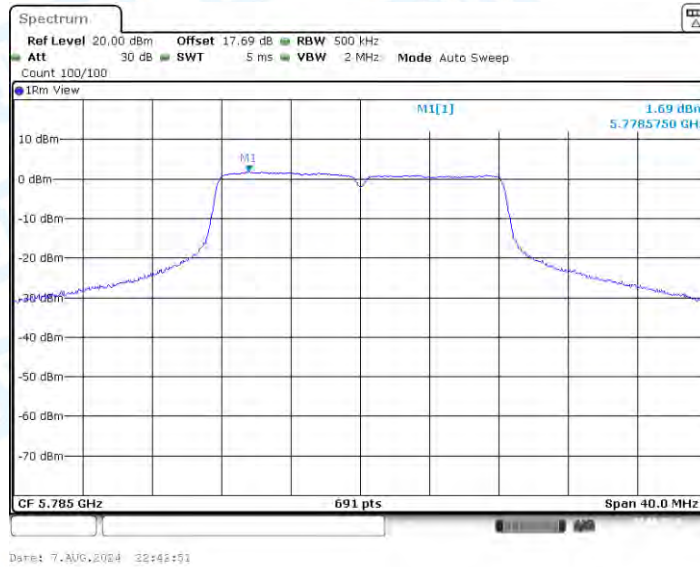




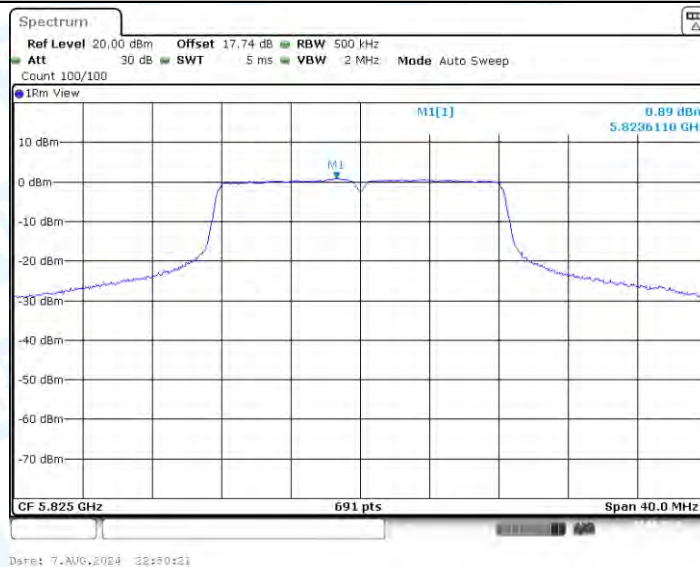
### 11A\_Ant1\_5240



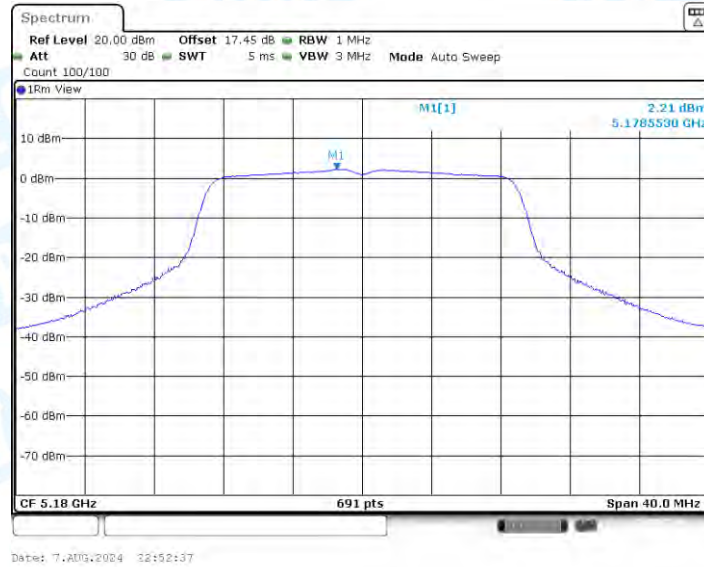
### 11A\_Ant1\_5745



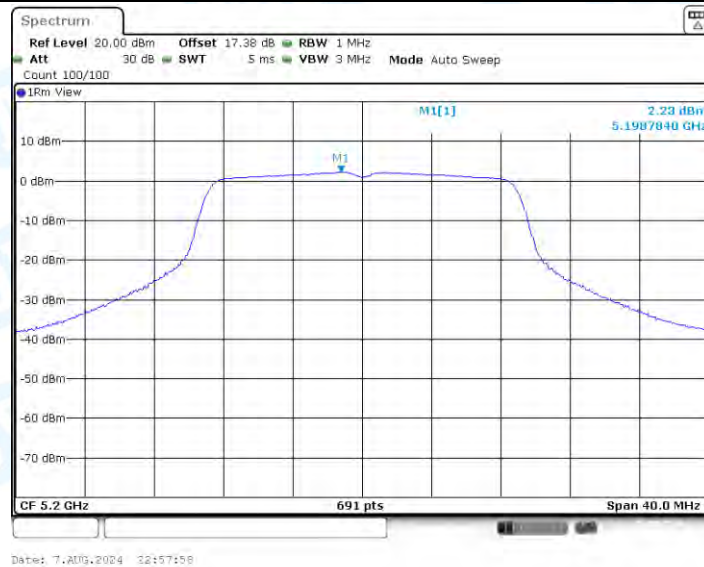
### 11A\_Ant1\_5785



### 11A\_Ant1\_5825



11N20SISO\_Ant1\_5180



11N20SISO\_Ant1\_5200

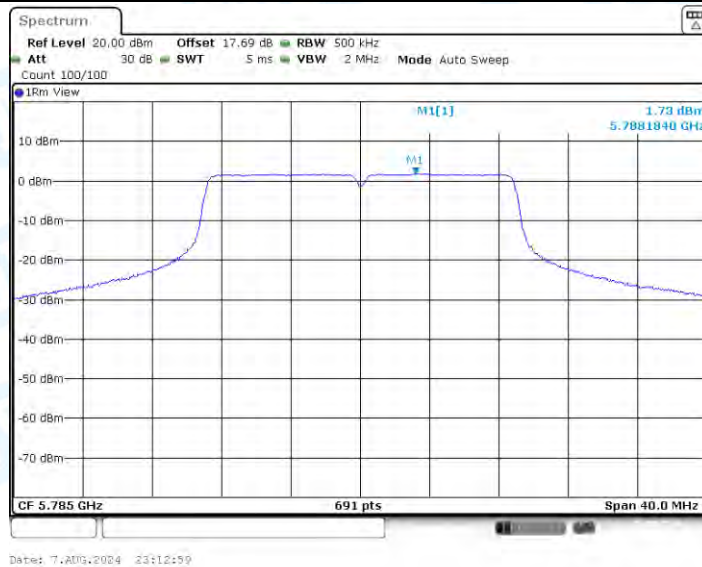


11N20SISO\_Ant1\_5240

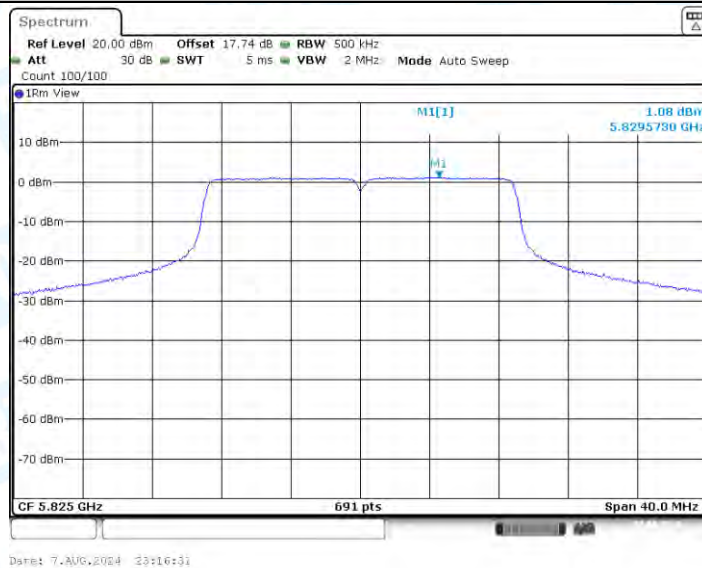




11N20SISO\_Ant1\_5745



11N20SISO\_Ant1\_5785



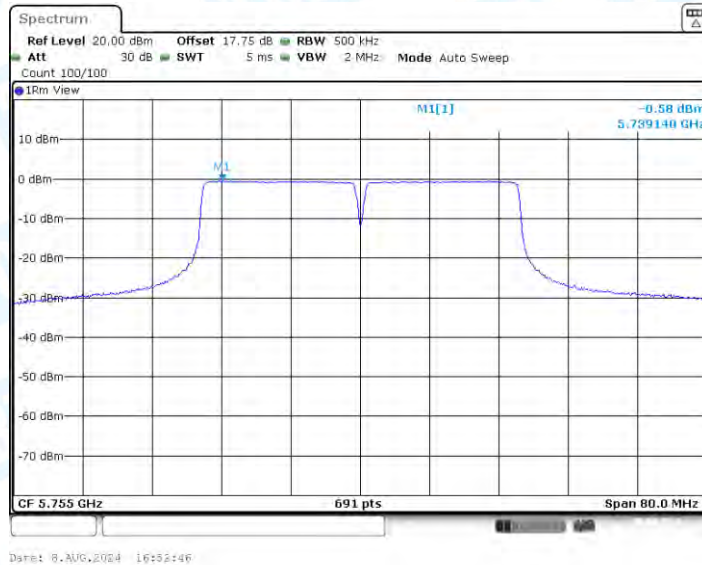
11N20SISO\_Ant1\_5825



11N40SISO\_Ant1\_5190

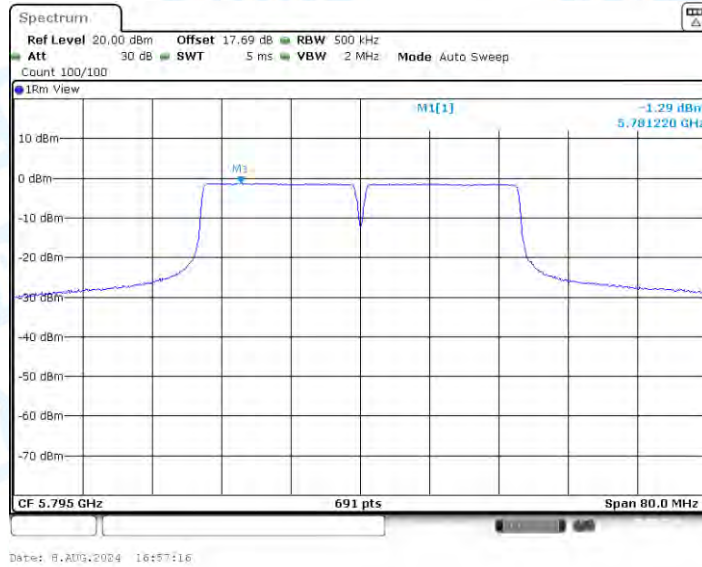


11N40SISO\_Ant1\_5230



11N40SISO\_Ant1\_5755

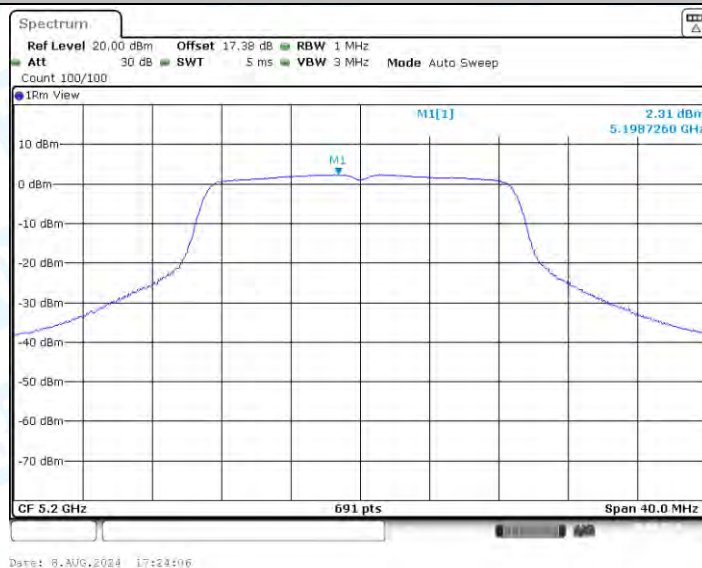




11N40SISO\_Ant1\_5795



11AC20SISO\_Ant1\_5180



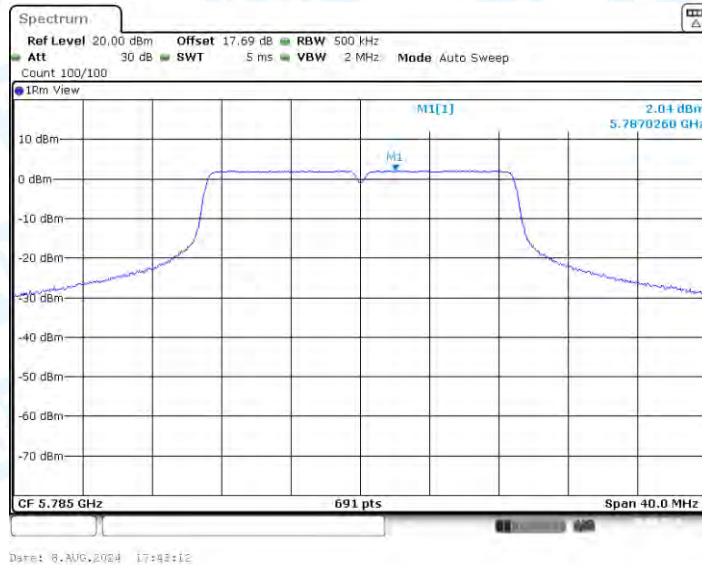
11AC20SISO\_Ant1\_5200



11AC20SISO\_Ant1\_5240



11AC20SISO\_Ant1\_5745



11AC20SISO\_Ant1\_5785

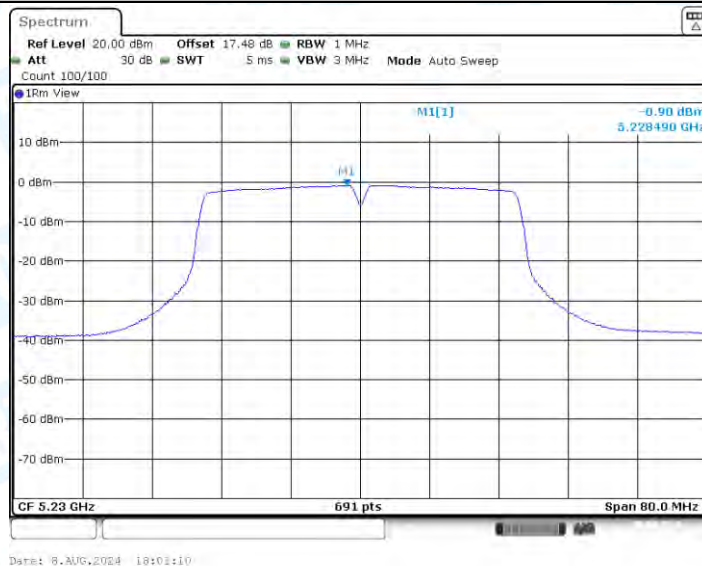




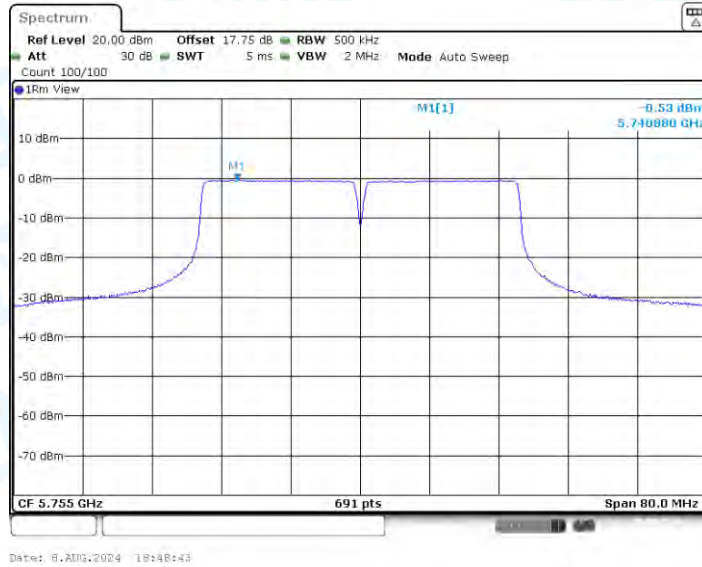
11AC20SISO\_Ant1\_5825



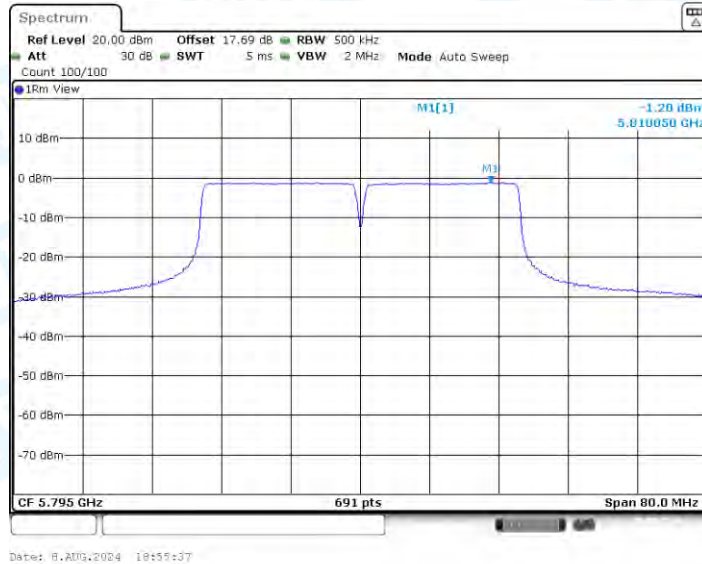
11AC40SISO\_Ant1\_5190



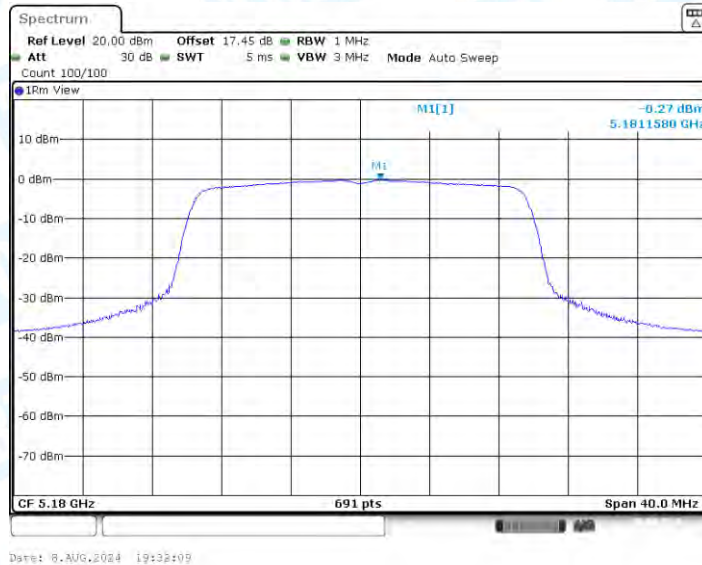
11AC40SISO\_Ant1\_5230



11AC40SISO\_Ant1\_5755



11AC40SISO\_Ant1\_5795



11AX20SISO\_Ant1\_5180

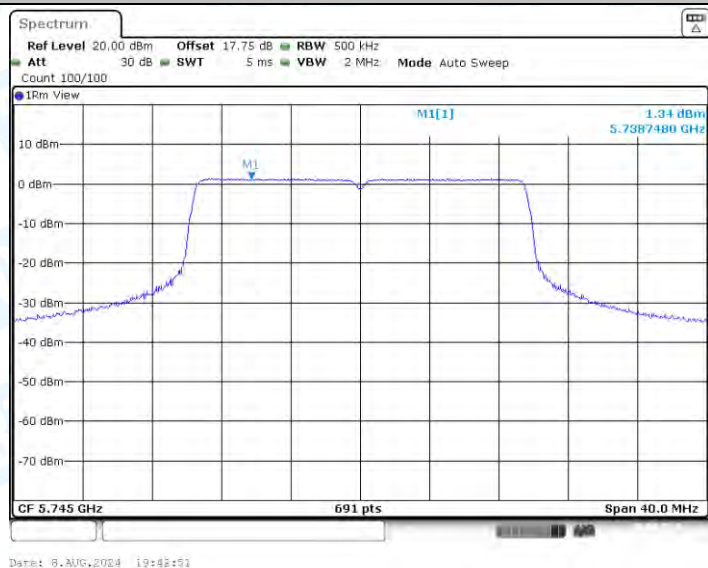




11AX20SISO\_Ant1\_5200



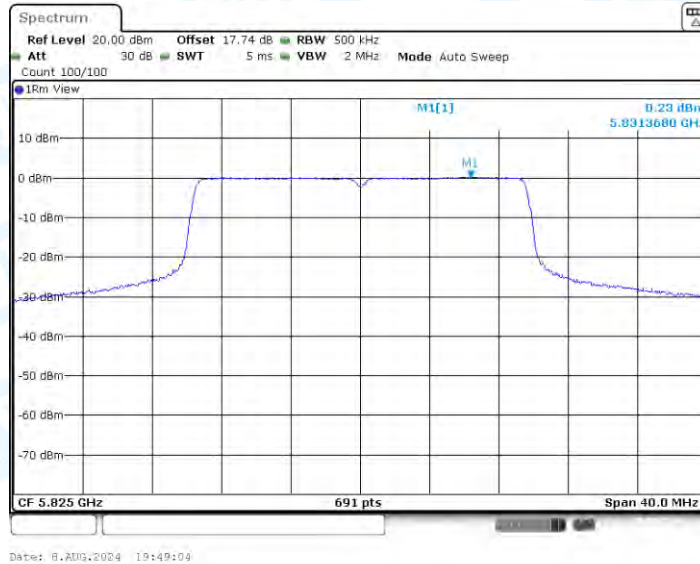
11AX20SISO\_Ant1\_5240



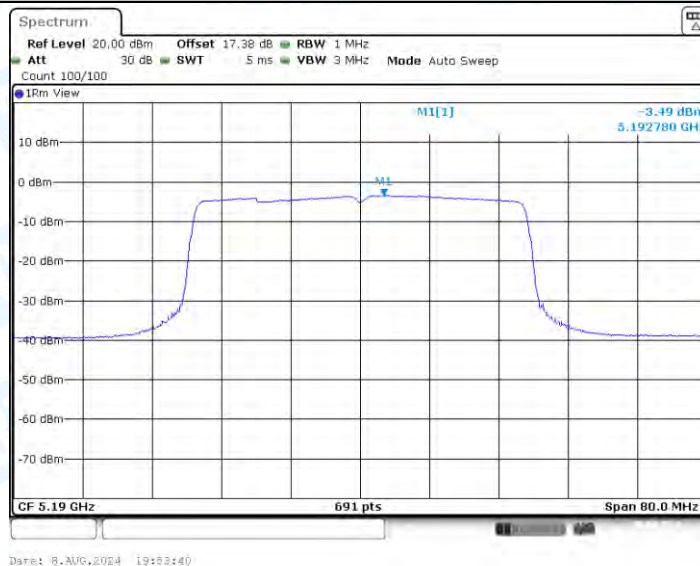
11AX20SISO\_Ant1\_5745



11AX20SISO\_Ant1\_5785



11AX20SISO\_Ant1\_5825

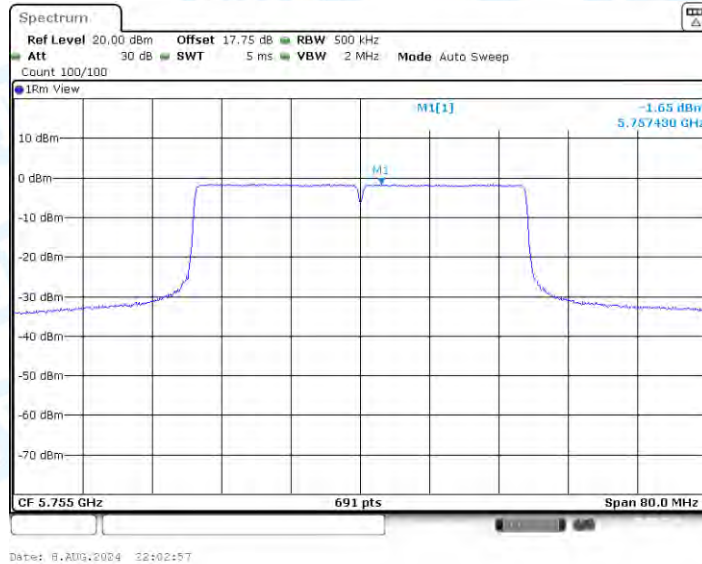


11AX40SISO\_Ant1\_5190

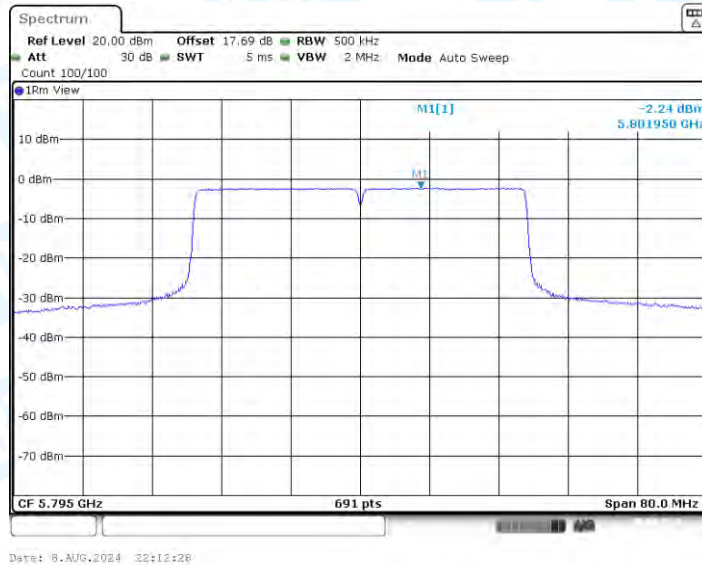




11AX40SISO\_Ant1\_5230



11AX40SISO\_Ant1\_5755



11AX40SISO\_Ant1\_5795

## 6. Band edge measurements

### 6.1. Test Result

| TestMode   | Antenna | ChName | Channel | Result[dBm] | Limit[dBm] | Verdict |
|------------|---------|--------|---------|-------------|------------|---------|
| 11A        | Ant1    | Low    | 5180    | -29.26      | ≤-27       | PASS    |
|            |         | High   | 5240    | -38.73      | ≤-27       | PASS    |
| 11N20SISO  | Ant1    | Low    | 5180    | -32.37      | ≤-27       | PASS    |
|            |         | High   | 5240    | -39.19      | ≤-27       | PASS    |
| 11N40SISO  | Ant1    | Low    | 5190    | -28.19      | ≤-27       | PASS    |
|            |         | High   | 5230    | -37.46      | ≤-27       | PASS    |
| 11AC20SISO | Ant1    | Low    | 5180    | -36.77      | ≤-27       | PASS    |
|            |         | High   | 5240    | -37.91      | ≤-27       | PASS    |
| 11AC40SISO | Ant1    | Low    | 5190    | -29.24      | ≤-27       | PASS    |
|            |         | High   | 5230    | -38.29      | ≤-27       | PASS    |
| 11AX20SISO | Ant1    | Low    | 5180    | -35.75      | ≤-27       | PASS    |
|            |         | High   | 5240    | -38.92      | ≤-27       | PASS    |
| 11AX40SISO | Ant1    | Low    | 5190    | -34.49      | ≤-27       | PASS    |
|            |         | High   | 5230    | -39.15      | ≤-27       | PASS    |

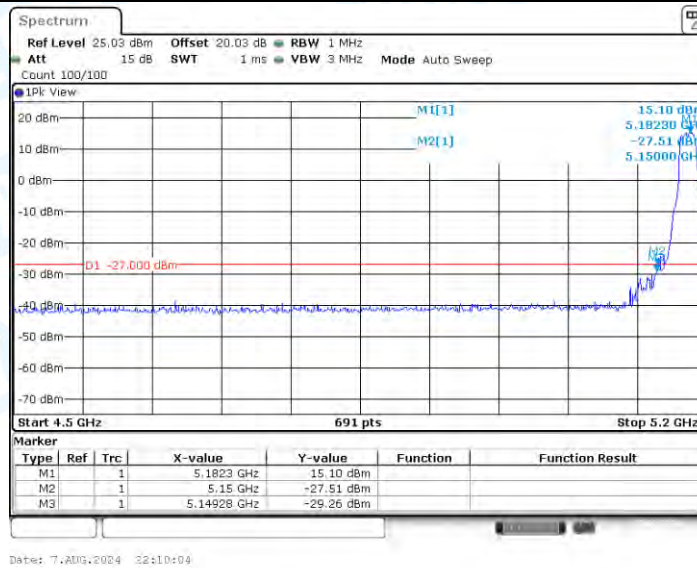
| TestMode  | Antenna | ChName | Channel | FreqRange [MHz] | Result [dBm] | Limit [dBm] | Verdict |
|-----------|---------|--------|---------|-----------------|--------------|-------------|---------|
| 11A       | Ant1    | Low    | 5745    | 5650~5700       | -24.88       | ≤9.75       | PASS    |
|           |         |        |         | 5700~5720       | -13.81       | ≤15.60      | PASS    |
|           |         |        |         | 5720~5725       | -12.19       | ≤17.12      | PASS    |
|           |         |        |         | 5760~5650       | -37.56       | ≤-27        | PASS    |
|           |         | High   | 5825    | 5850~5855       | -15.41       | ≤16.25      | PASS    |
|           |         |        |         | 5855~5875       | -16.34       | ≤10.05      | PASS    |
|           |         |        |         | 5875~5925       | -24.57       | ≤-16.19     | PASS    |
|           |         |        |         | 5925~5935       | -33.49       | ≤-27        | PASS    |
| 11N20SISO | Ant1    | Low    | 5745    | 5650~5700       | -27.45       | ≤10.00      | PASS    |
|           |         |        |         | 5700~5720       | -18.03       | ≤14.95      | PASS    |
|           |         |        |         | 5720~5725       | -12.71       | ≤26.62      | PASS    |
|           |         |        |         | 5760~5650       | -37.24       | ≤-27        | PASS    |
|           |         | High   | 5825    | 5850~5855       | -18.47       | ≤15.80      | PASS    |
|           |         |        |         | 5855~5875       | -23.68       | ≤10.05      | PASS    |
|           |         |        |         | 5875~5925       | -25.94       | ≤-22.13     | PASS    |
|           |         |        |         | 5925~5935       | -37.12       | ≤-27        | PASS    |
| 11N40SISO | Ant1    | Low    | 5755    | 5650~5700       | -20.27       | ≤8.68       | PASS    |
|           |         |        |         | 5700~5720       | -13.1        | ≤15.09      | PASS    |
|           |         |        |         | 5720~5725       | -11.69       | ≤22.14      | PASS    |
|           |         |        |         | 5780~5650       | -30.8        | ≤-27        | PASS    |
|           |         | High   | 5795    | 5850~5855       | -24.4        | ≤15.85      | PASS    |
|           |         |        |         | 5855~5875       | -26.89       | ≤13.32      | PASS    |



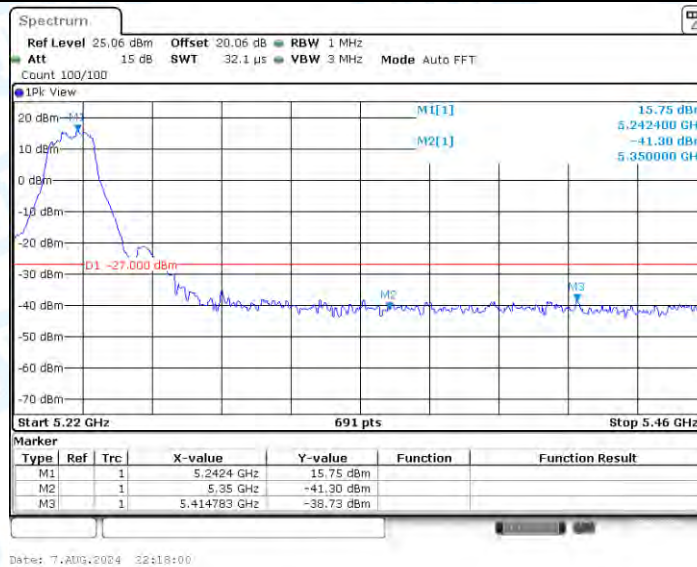
|                |      |      |      |           |        |         |      |
|----------------|------|------|------|-----------|--------|---------|------|
| 11AC20SIS<br>O | Ant1 | Low  | 5745 | 5875~5925 | -31.15 | ≤-26.84 | PASS |
|                |      |      |      | 5925~5935 | -37.33 | ≤-27    | PASS |
|                |      |      |      | 5650~5700 | -25.72 | ≤6.67   | PASS |
|                |      |      |      | 5700~5720 | -17.44 | ≤14.90  | PASS |
|                |      |      |      | 5720~5725 | -9.39  | ≤27.00  | PASS |
|                |      | High | 5825 | 5760~5650 | -36.86 | ≤-27    | PASS |
|                |      |      |      | 5850~5855 | -22.34 | ≤18.92  | PASS |
|                |      |      |      | 5855~5875 | -28.63 | ≤11.31  | PASS |
|                |      |      |      | 5875~5925 | -32.75 | ≤-25.31 | PASS |
|                |      |      |      | 5925~5935 | -38.23 | ≤-27    | PASS |
| 11AC40SIS<br>O | Ant1 | Low  | 5755 | 5650~5700 | -20.94 | ≤9.69   | PASS |
|                |      |      |      | 5700~5720 | -13.99 | ≤14.65  | PASS |
|                |      |      |      | 5720~5725 | -13.25 | ≤26.60  | PASS |
|                |      |      |      | 5780~5650 | -32.72 | ≤-27    | PASS |
|                |      | High | 5795 | 5850~5855 | -24.07 | ≤15.85  | PASS |
|                |      |      |      | 5855~5875 | -26.48 | ≤10.04  | PASS |
|                |      |      |      | 5875~5925 | -31.92 | ≤-25.07 | PASS |
|                |      |      |      | 5925~5935 | -37.32 | ≤-27    | PASS |
| 11AX20SIS<br>O | Ant1 | Low  | 5745 | 5650~5700 | -27.4  | ≤7.78   | PASS |
|                |      |      |      | 5700~5720 | -20.24 | ≤15.60  | PASS |
|                |      |      |      | 5720~5725 | -14.7  | ≤23.20  | PASS |
|                |      |      |      | 5760~5650 | -37.1  | ≤-27    | PASS |
|                |      | High | 5825 | 5850~5855 | -17.57 | ≤18.48  | PASS |
|                |      |      |      | 5855~5875 | -20.85 | ≤10.05  | PASS |
|                |      |      |      | 5875~5925 | -25.98 | ≤-18.94 | PASS |
|                |      |      |      | 5925~5935 | -38.42 | ≤-27    | PASS |
| 11AX40SIS<br>O | Ant1 | Low  | 5755 | 5650~5700 | -21.24 | ≤9.98   | PASS |
|                |      |      |      | 5700~5720 | -13.07 | ≤15.58  | PASS |
|                |      |      |      | 5720~5725 | -11.52 | ≤24.37  | PASS |
|                |      |      |      | 5780~5650 | -32.53 | ≤-27    | PASS |
|                |      | High | 5795 | 5850~5855 | -24.64 | ≤24.57  | PASS |
|                |      |      |      | 5855~5875 | -23.14 | ≤10.51  | PASS |
|                |      |      |      | 5875~5925 | -31.64 | ≤-24.19 | PASS |
|                |      |      |      | 5925~5935 | -37.81 | ≤-27    | PASS |



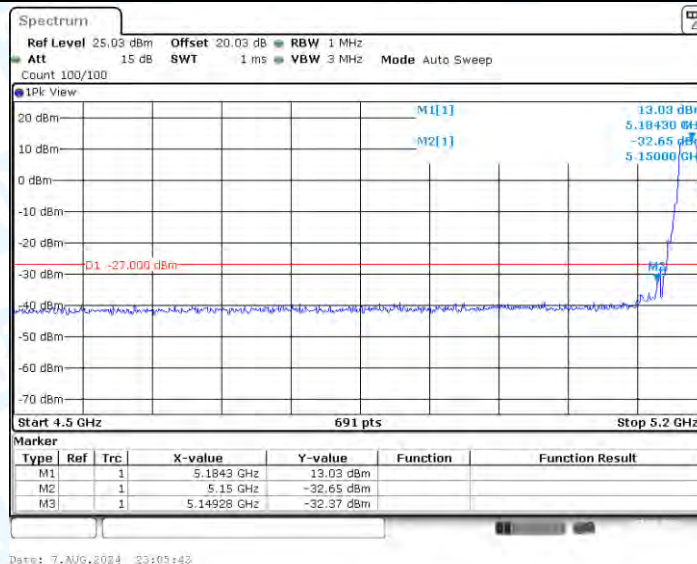
## 6.2. Test Graphs



11A\_Ant1\_Low\_5180

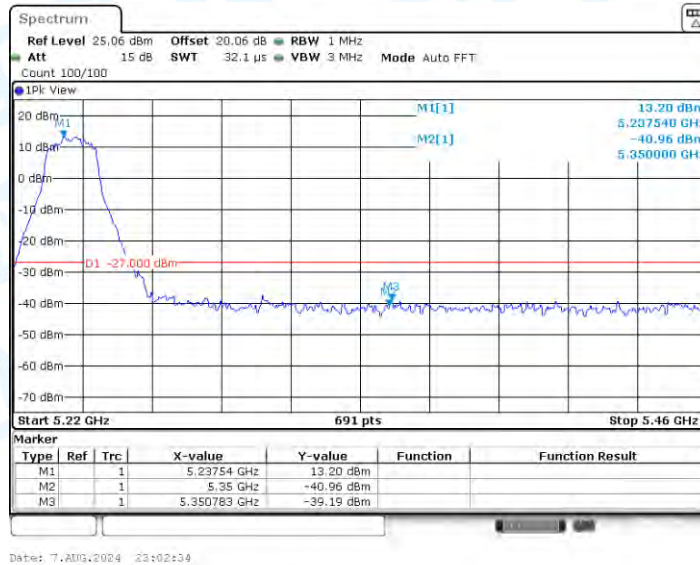


11A\_Ant1\_High\_5240

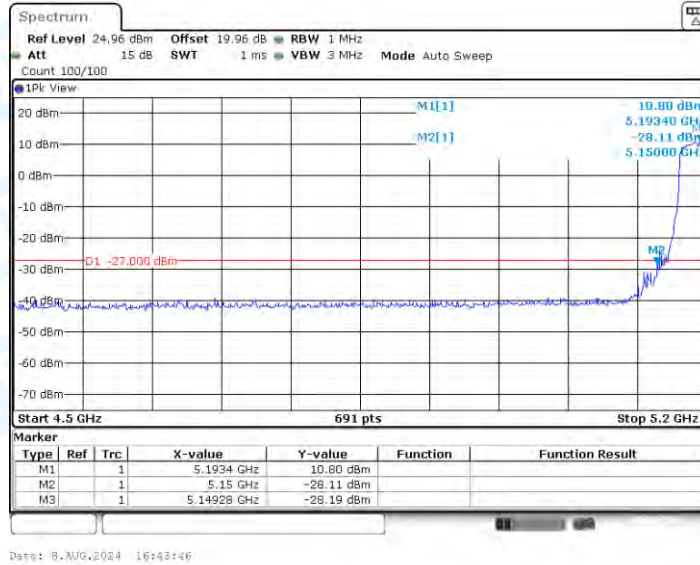




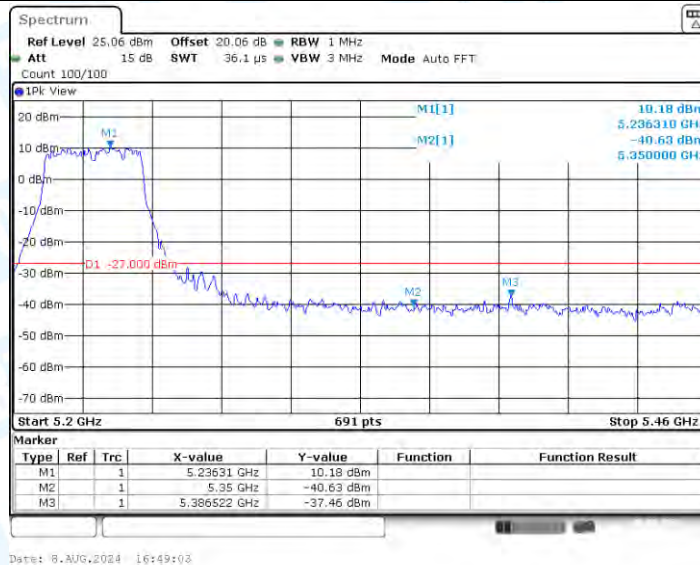
### 11N20SISO\_Ant1\_Low\_5180



### 11N20SISO\_Ant1\_High\_5240

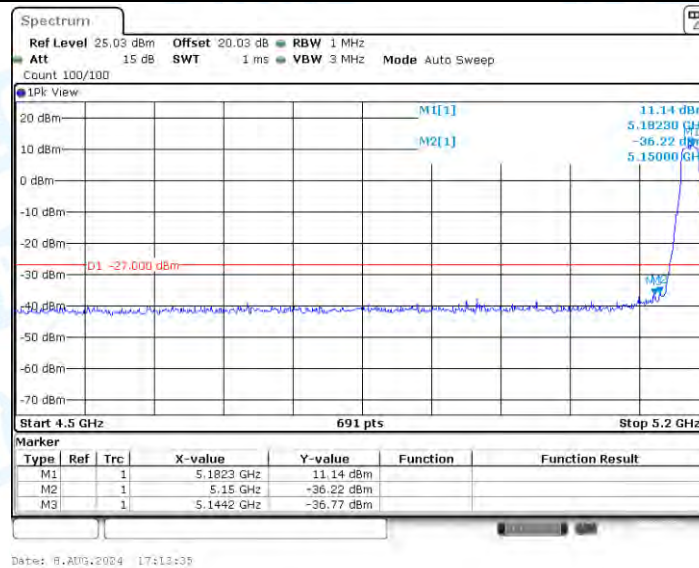


### 11N40SISO\_Ant1\_Low\_5190

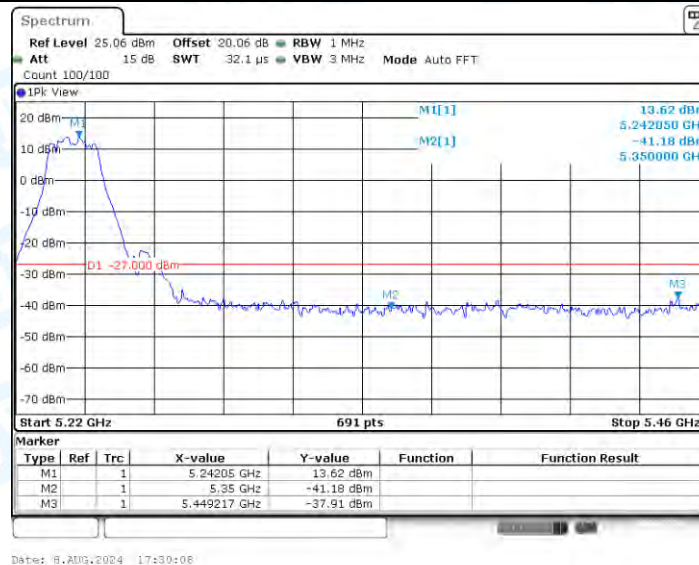


### 11N40SISO\_Ant1\_High\_5230

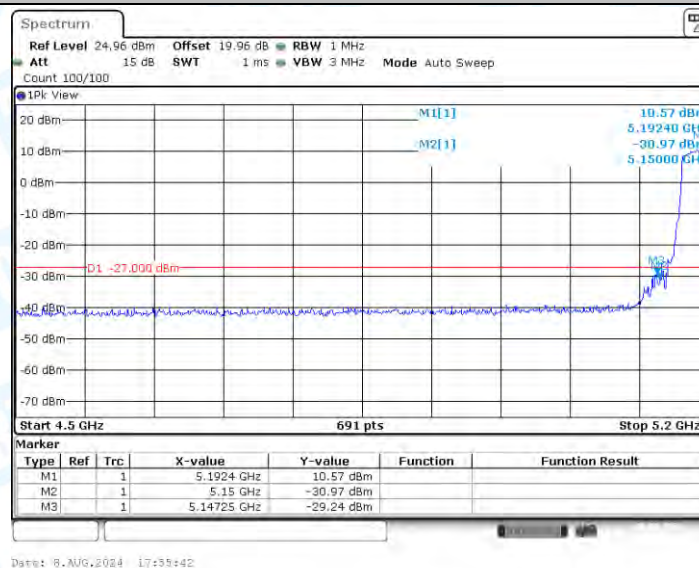




11AC20SISO\_Ant1\_Low\_5180

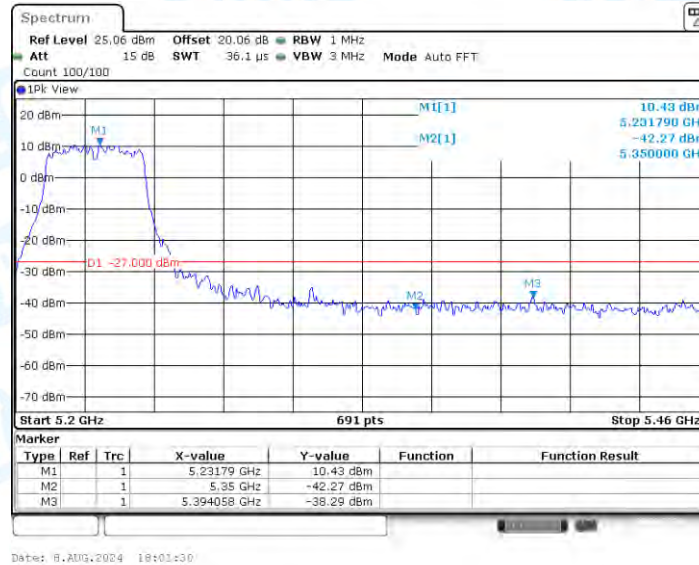


11AC20SISO\_Ant1\_High\_5240

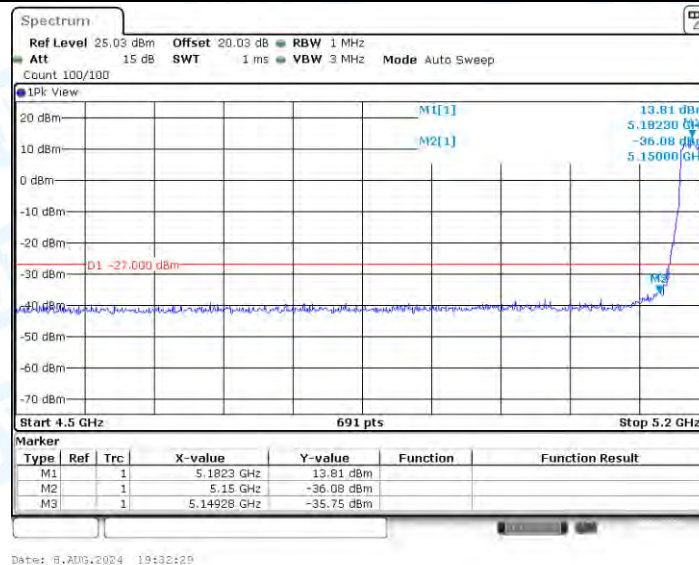


11AC40SISO\_Ant1\_Low\_5190

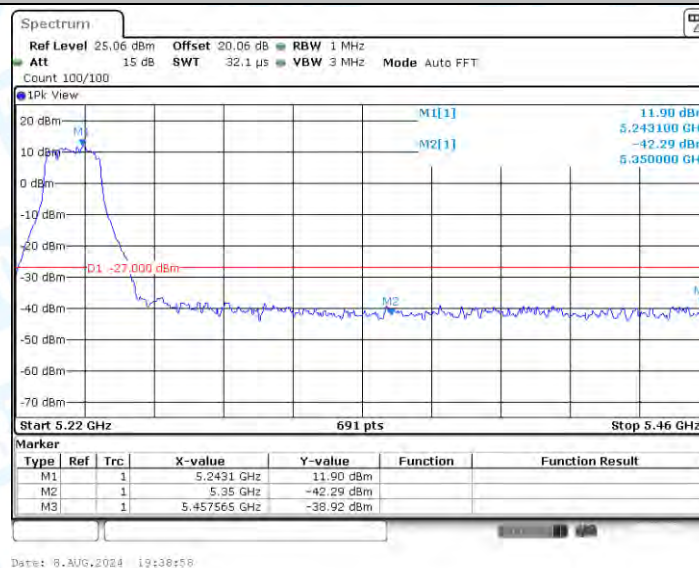




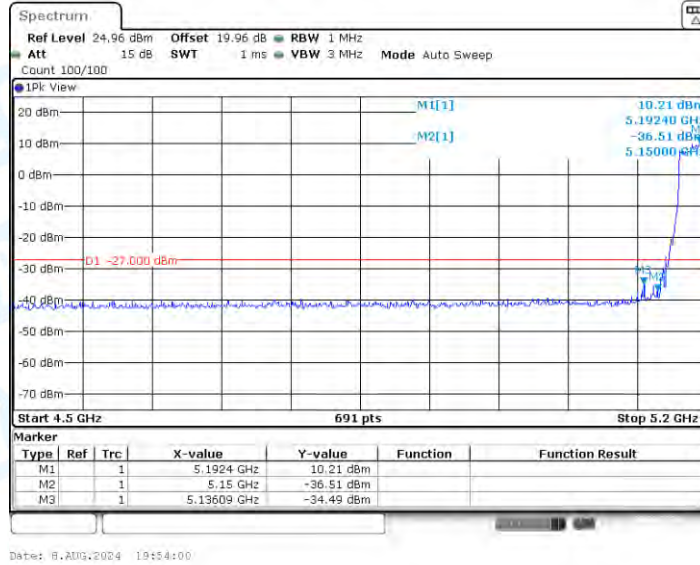
11AC40SISO\_Ant1\_High\_5230



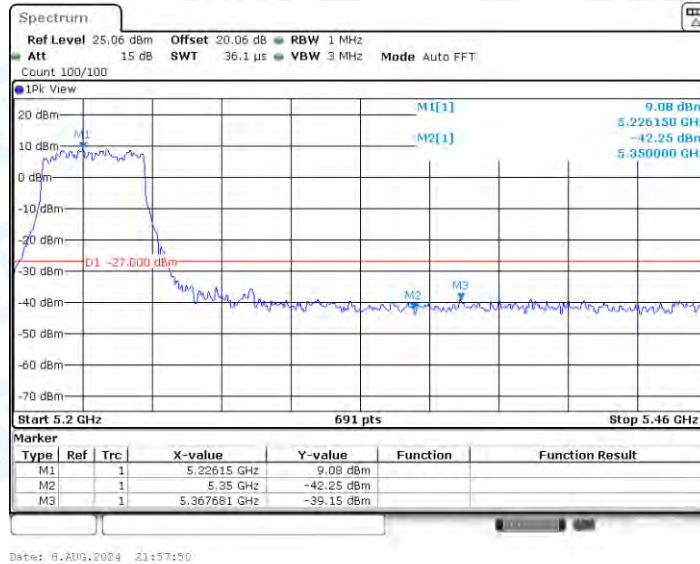
11AX20SISO\_Ant1\_Low\_5180



11AX20SISO\_Ant1\_High\_5240

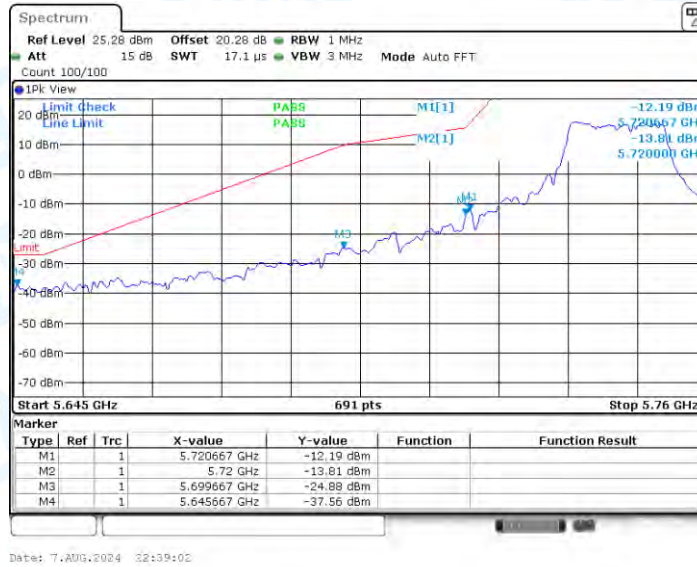


11AX40SISO\_Ant1\_Low\_5190

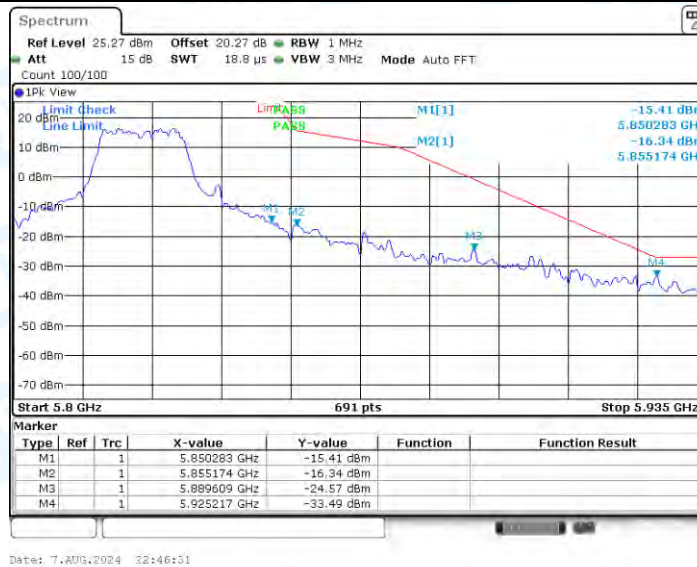


11AX40SISO\_Ant1\_High\_5230





11A\_Ant1\_Low\_5745

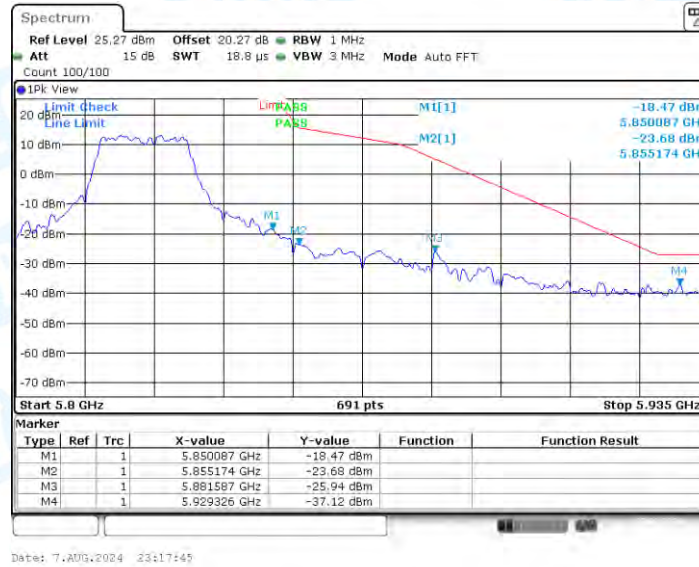


11A\_Ant1\_High\_5825

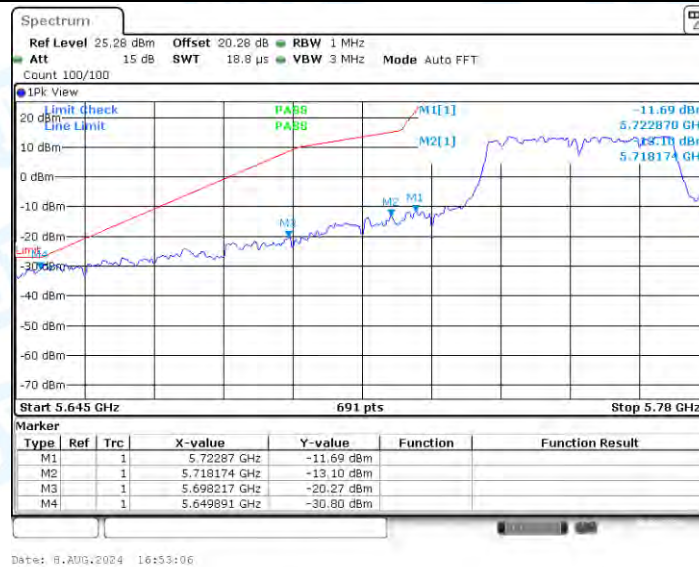


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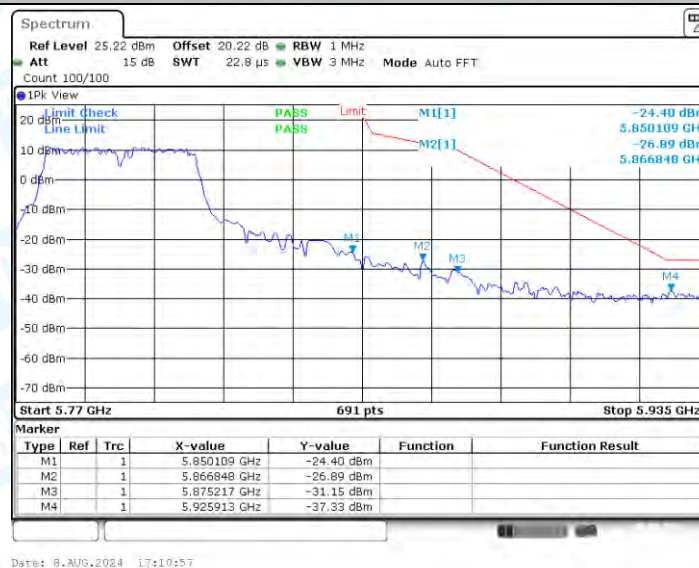




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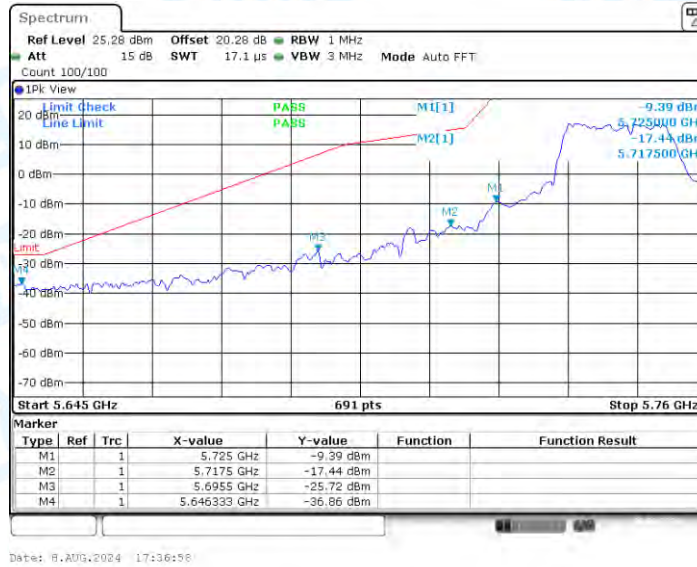


11N40SISO\_Ant1\_Low\_5755

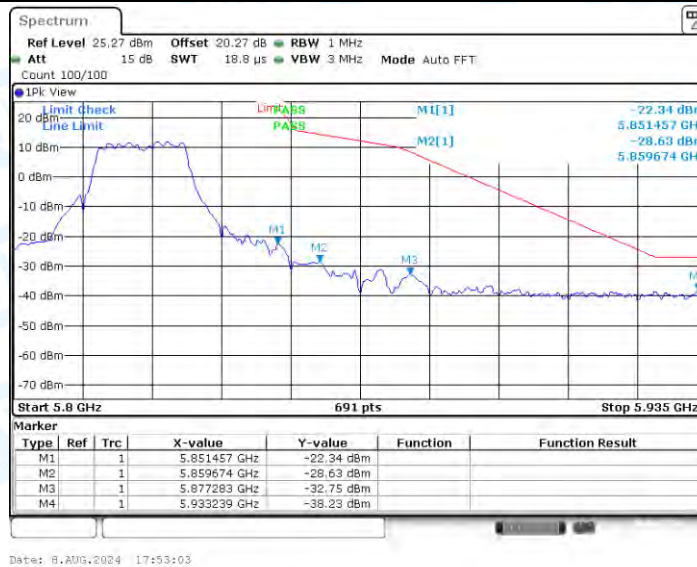


11N40SISO\_Ant1\_High\_5795





11AC20SISO\_Ant1\_Low\_5745

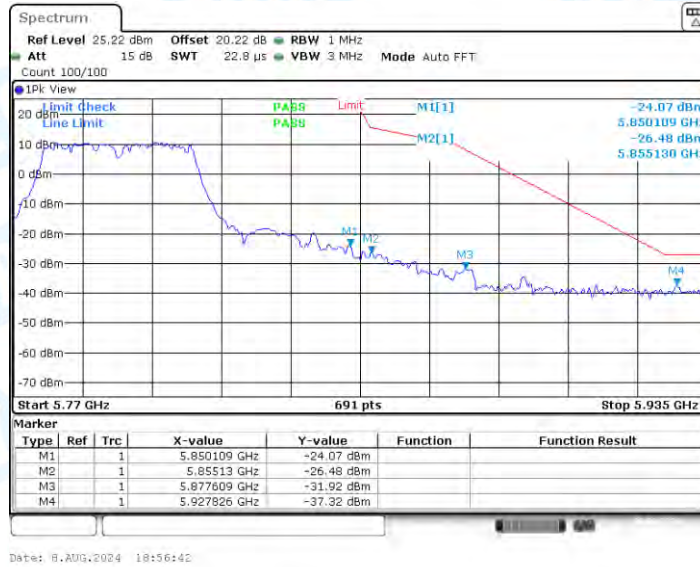


11AC20SISO\_Ant1\_High\_5825

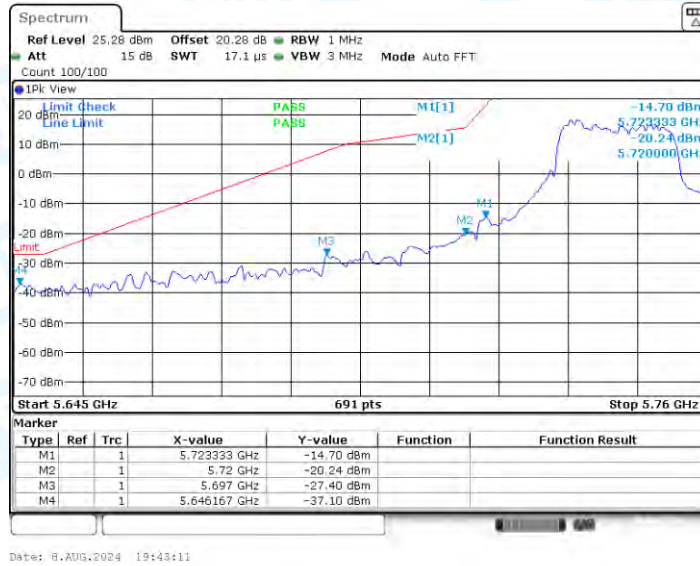


11AC40SISO\_Ant1\_Low\_5755





11AC40SISO\_Ant1\_High\_5795

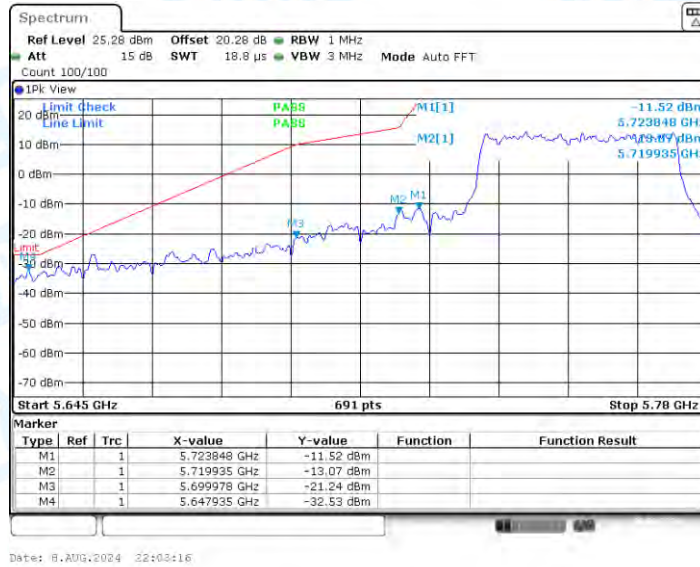


11AX20SISO\_Ant1\_Low\_5745

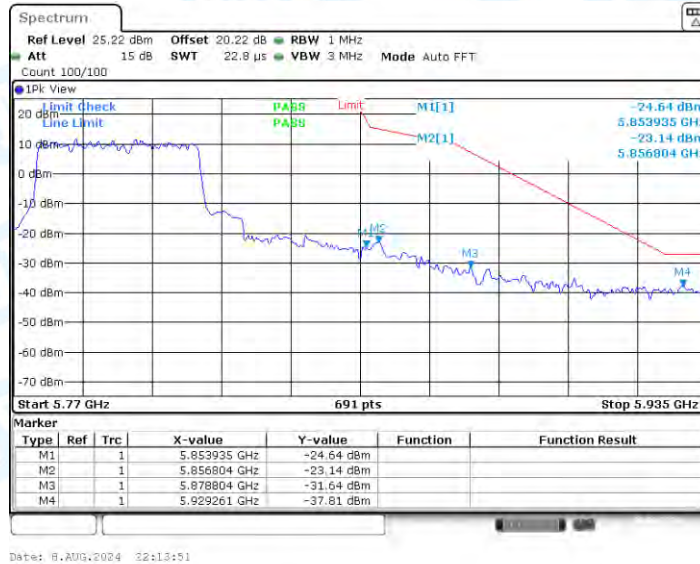


11AX20SISO\_Ant1\_High\_5825





11AX40SISO\_Ant1\_Low\_5755



11AX40SISO\_Ant1\_High\_5795



## 7. Emissions in Restricted Bands

### 7.1. Test Result

| TestMode  | Antenna | ChName | Channel | Detector | Freq [MHz] | EIRP [dBm] | Limit [dBm] | Verdict |
|-----------|---------|--------|---------|----------|------------|------------|-------------|---------|
| 11A       | Ant1    | Low    | 5180    | AV       | 4500.000   | -50.81     | ≤-41.20     | PASS    |
|           |         |        |         | AV       | 5146.232   | -46.02     | ≤-41.20     | PASS    |
|           |         |        |         | AV       | 5150.000   | -46.37     | ≤-41.20     | PASS    |
|           |         |        |         | Peak     | 4500.000   | -41.4      | ≤-21.20     | PASS    |
|           |         |        |         | Peak     | 5149.275   | -28.16     | ≤-21.20     | PASS    |
|           |         |        |         | Peak     | 5150.000   | -30.08     | ≤-21.20     | PASS    |
|           |         | High   | 5240    | AV       | 5350.000   | -49.85     | ≤-41.20     | PASS    |
|           |         |        |         | AV       | 5446.783   | -47.77     | ≤-41.20     | PASS    |
|           |         |        |         | AV       | 5460.000   | -50.38     | ≤-41.20     | PASS    |
|           |         |        |         | Peak     | 5350.000   | -39.38     | ≤-21.20     | PASS    |
|           |         |        |         | Peak     | 5392.522   | -37.9      | ≤-21.20     | PASS    |
|           |         |        |         | Peak     | 5460.000   | -40.37     | ≤-21.20     | PASS    |
|           |         | Low    | 5745    | Peak     | 5650.000   | -38.3      | ≤-27.00     | PASS    |
|           |         |        |         | Peak     | 5700.000   | -25.14     | ≤10.00      | PASS    |
|           |         |        |         | Peak     | 5720.000   | -16.78     | ≤15.60      | PASS    |
|           |         |        |         | Peak     | 5725.000   | -8.92      | ≤27.00      | PASS    |
|           |         | High   | 5825    | Peak     | 5850.000   | -13.77     | ≤27.00      | PASS    |
|           |         |        |         | Peak     | 5855.000   | -13.54     | ≤15.60      | PASS    |
|           |         |        |         | Peak     | 5875.000   | -24.01     | ≤10.00      | PASS    |
|           |         |        |         | Peak     | 5925.000   | -35.94     | ≤-27.00     | PASS    |
| 11N20SISO | Ant1    | Low    | 5180    | AV       | 4500.000   | -51.01     | ≤-41.20     | PASS    |
|           |         |        |         | AV       | 5147.246   | -46.2      | ≤-41.20     | PASS    |
|           |         |        |         | AV       | 5150.000   | -46.52     | ≤-41.20     | PASS    |
|           |         |        |         | Peak     | 4500.000   | -41.05     | ≤-21.20     | PASS    |
|           |         |        |         | Peak     | 5143.188   | -29.25     | ≤-21.20     | PASS    |
|           |         |        |         | Peak     | 5150.000   | -30.05     | ≤-21.20     | PASS    |
|           |         | High   | 5240    | AV       | 5350.000   | -49.11     | ≤-41.20     | PASS    |
|           |         |        |         | AV       | 5447.478   | -47.64     | ≤-41.20     | PASS    |
|           |         |        |         | AV       | 5460.000   | -49.6      | ≤-41.20     | PASS    |
|           |         |        |         | Peak     | 5350.000   | -39.93     | ≤-21.20     | PASS    |
|           |         |        |         | Peak     | 5448.174   | -37.61     | ≤-21.20     | PASS    |
|           |         |        |         | Peak     | 5460.000   | -40.83     | ≤-21.20     | PASS    |
|           |         | Low    | 5745    | Peak     | 5650.000   | -37.62     | ≤-27.00     | PASS    |
|           |         |        |         | Peak     | 5700.000   | -25.72     | ≤10.00      | PASS    |
|           |         |        |         | Peak     | 5720.000   | -15.99     | ≤15.60      | PASS    |
|           |         |        |         | Peak     | 5725.000   | -9.89      | ≤27.00      | PASS    |
|           |         | High   | 5825    | Peak     | 5850.000   | -17.15     | ≤27.00      | PASS    |
|           |         |        |         | Peak     | 5855.000   | -20.62     | ≤15.60      | PASS    |
|           |         |        |         | Peak     | 5875.000   | -26.77     | ≤10.00      | PASS    |



|            |      |      |      |      |          |        |         |      |
|------------|------|------|------|------|----------|--------|---------|------|
|            |      |      |      | Peak | 5925.000 | -37.9  | ≤-27.00 | PASS |
| 11N40SISO  | Ant1 | Low  | 5190 | AV   | 4500.000 | -51.04 | ≤-41.20 | PASS |
|            |      |      |      | AV   | 5149.275 | -45.22 | ≤-41.20 | PASS |
|            |      |      |      | AV   | 5150.000 | -44.88 | ≤-41.20 | PASS |
|            |      |      |      | Peak | 4500.000 | -41.3  | ≤-21.20 | PASS |
|            |      |      |      | Peak | 5145.217 | -28.83 | ≤-21.20 | PASS |
|            |      |      |      | Peak | 5150.000 | -29.31 | ≤-21.20 | PASS |
|            |      | High | 5230 | AV   | 5350.000 | -49.24 | ≤-41.20 | PASS |
|            |      |      |      | AV   | 5448.319 | -47.48 | ≤-41.20 | PASS |
|            |      |      |      | AV   | 5460.000 | -49.24 | ≤-41.20 | PASS |
|            |      |      |      | Peak | 5350.000 | -42.15 | ≤-21.20 | PASS |
|            |      |      |      | Peak | 5449.449 | -37.42 | ≤-21.20 | PASS |
|            |      |      |      | Peak | 5460.000 | -39.7  | ≤-21.20 | PASS |
|            |      | Low  | 5755 | Peak | 5650.000 | -31.39 | ≤-27.00 | PASS |
|            |      |      |      | Peak | 5700.000 | -19.05 | ≤10.00  | PASS |
|            |      |      |      | Peak | 5720.000 | -10.69 | ≤15.60  | PASS |
|            |      |      |      | Peak | 5725.000 | -8.73  | ≤27.00  | PASS |
|            |      | High | 5795 | Peak | 5850.000 | -17.22 | ≤27.00  | PASS |
|            |      |      |      | Peak | 5855.000 | -18.44 | ≤15.60  | PASS |
|            |      |      |      | Peak | 5875.000 | -22.17 | ≤10.00  | PASS |
|            |      |      |      | Peak | 5925.000 | -35.84 | ≤-27.00 | PASS |
| 11AC20SISO | Ant1 | Low  | 5180 | AV   | 4500.000 | -50.92 | ≤-41.20 | PASS |
|            |      |      |      | AV   | 5149.275 | -46.91 | ≤-41.20 | PASS |
|            |      |      |      | AV   | 5150.000 | -47.45 | ≤-41.20 | PASS |
|            |      |      |      | Peak | 4500.000 | -41.39 | ≤-21.20 | PASS |
|            |      |      |      | Peak | 5145.217 | -35.2  | ≤-21.20 | PASS |
|            |      |      |      | Peak | 5150.000 | -26.78 | ≤-21.20 | PASS |
|            |      | High | 5240 | AV   | 5350.000 | -49.46 | ≤-41.20 | PASS |
|            |      |      |      | AV   | 5447.130 | -48.01 | ≤-41.20 | PASS |
|            |      |      |      | AV   | 5460.000 | -49.6  | ≤-41.20 | PASS |
|            |      |      |      | Peak | 5350.000 | -40.13 | ≤-21.20 | PASS |
|            |      |      |      | Peak | 5370.609 | -38.45 | ≤-21.20 | PASS |
|            |      |      |      | Peak | 5460.000 | -41.16 | ≤-21.20 | PASS |
|            |      | Low  | 5745 | Peak | 5650.000 | -37.81 | ≤-27.00 | PASS |
|            |      |      |      | Peak | 5700.000 | -25.78 | ≤10.00  | PASS |
|            |      |      |      | Peak | 5720.000 | -16.06 | ≤15.60  | PASS |
|            |      |      |      | Peak | 5725.000 | -11.12 | ≤27.00  | PASS |
|            |      | High | 5825 | Peak | 5850.000 | -11.92 | ≤27.00  | PASS |
|            |      |      |      | Peak | 5855.000 | -14.09 | ≤15.60  | PASS |
|            |      |      |      | Peak | 5875.000 | -23.27 | ≤10.00  | PASS |
|            |      |      |      | Peak | 5925.000 | -32.76 | ≤-27.00 | PASS |
| 11AC40SISO | Ant1 | Low  | 5190 | AV   | 4500.000 | -51.04 | ≤-41.20 | PASS |
|            |      |      |      | AV   | 5148.261 | -45.43 | ≤-41.20 | PASS |
|            |      |      |      | AV   | 5150.000 | -44.73 | ≤-41.20 | PASS |
|            |      |      |      | Peak | 4500.000 | -41.49 | ≤-21.20 | PASS |



|                |      |      |      |      |          |        |         |      |
|----------------|------|------|------|------|----------|--------|---------|------|
|                |      | High | 5230 | Peak | 5145.217 | -28.05 | ≤-21.20 | PASS |
|                |      |      |      | Peak | 5150.000 | -27    | ≤-21.20 | PASS |
|                |      |      |      | AV   | 5350.000 | -50.22 | ≤-41.20 | PASS |
|                |      |      |      | AV   | 5447.188 | -47.69 | ≤-41.20 | PASS |
|                |      |      |      | AV   | 5460.000 | -49.81 | ≤-41.20 | PASS |
|                |      |      |      | Peak | 5350.000 | -40.99 | ≤-21.20 | PASS |
|                |      |      |      | Peak | 5369.942 | -38.66 | ≤-21.20 | PASS |
|                |      |      |      | Peak | 5460.000 | -39.42 | ≤-21.20 | PASS |
|                |      | Low  | 5755 | Peak | 5650.000 | -32.36 | ≤-27.00 | PASS |
|                |      |      |      | Peak | 5700.000 | -23.2  | ≤10.00  | PASS |
|                |      |      |      | Peak | 5720.000 | -12.75 | ≤15.60  | PASS |
|                |      |      |      | Peak | 5725.000 | -11.99 | ≤27.00  | PASS |
|                |      | High | 5795 | Peak | 5850.000 | -23.49 | ≤27.00  | PASS |
|                |      |      |      | Peak | 5855.000 | -23.06 | ≤15.60  | PASS |
|                |      |      |      | Peak | 5875.000 | -31.41 | ≤10.00  | PASS |
|                |      |      |      | Peak | 5925.000 | -38.92 | ≤-27.00 | PASS |
| 11AX20SIS<br>O | Ant1 | Low  | 5180 | AV   | 4500.000 | -50.93 | ≤-41.20 | PASS |
|                |      |      |      | AV   | 5148.261 | -46.21 | ≤-41.20 | PASS |
|                |      |      |      | AV   | 5150.000 | -46.5  | ≤-41.20 | PASS |
|                |      |      |      | Peak | 4500.000 | -41.05 | ≤-21.20 | PASS |
|                |      |      |      | Peak | 5149.275 | -35.8  | ≤-21.20 | PASS |
|                |      |      |      | Peak | 5150.000 | -35.24 | ≤-21.20 | PASS |
|                |      | High | 5240 | AV   | 5350.000 | -49.76 | ≤-41.20 | PASS |
|                |      |      |      | AV   | 5447.478 | -47.45 | ≤-41.20 | PASS |
|                |      |      |      | AV   | 5460.000 | -49.74 | ≤-41.20 | PASS |
|                |      |      |      | Peak | 5350.000 | -40.31 | ≤-21.20 | PASS |
|                |      |      |      | Peak | 5448.522 | -36.97 | ≤-21.20 | PASS |
|                |      |      |      | Peak | 5460.000 | -40.13 | ≤-21.20 | PASS |
|                |      | Low  | 5745 | Peak | 5650.000 | -37.36 | ≤-27.00 | PASS |
|                |      |      |      | Peak | 5700.000 | -29.54 | ≤10.00  | PASS |
|                |      |      |      | Peak | 5720.000 | -15.71 | ≤15.60  | PASS |
|                |      |      |      | Peak | 5725.000 | -12.38 | ≤27.00  | PASS |
|                |      | High | 5825 | Peak | 5850.000 | -19.95 | ≤27.00  | PASS |
|                |      |      |      | Peak | 5855.000 | -19.29 | ≤15.60  | PASS |
|                |      |      |      | Peak | 5875.000 | -26.83 | ≤10.00  | PASS |
|                |      |      |      | Peak | 5925.000 | -38.77 | ≤-27.00 | PASS |
| 11AX40SIS<br>O | Ant1 | Low  | 5190 | AV   | 4500.000 | -51.12 | ≤-41.20 | PASS |
|                |      |      |      | AV   | 5147.246 | -47.71 | ≤-41.20 | PASS |
|                |      |      |      | AV   | 5150.000 | -47.76 | ≤-41.20 | PASS |
|                |      |      |      | Peak | 4500.000 | -41.69 | ≤-21.20 | PASS |
|                |      |      |      | Peak | 5148.261 | -30.06 | ≤-21.20 | PASS |
|                |      |      |      | Peak | 5150.000 | -36.19 | ≤-21.20 | PASS |
|                |      | High | 5230 | AV   | 5350.000 | -49.48 | ≤-41.20 | PASS |
|                |      |      |      | AV   | 5448.696 | -47.84 | ≤-41.20 | PASS |
|                |      |      |      | AV   | 5460.000 | -49.52 | ≤-41.20 | PASS |

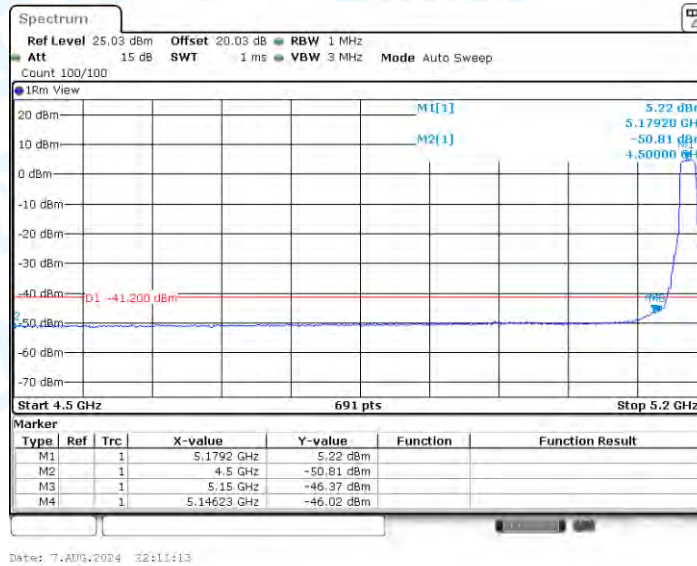


|  |  |      |      |      |          |        |               |      |
|--|--|------|------|------|----------|--------|---------------|------|
|  |  |      |      | Peak | 5350.000 | -39.98 | $\leq -21.20$ | PASS |
|  |  |      |      | Peak | 5370.696 | -37.77 | $\leq -21.20$ | PASS |
|  |  |      |      | Peak | 5460.000 | -41.14 | $\leq -21.20$ | PASS |
|  |  | Low  | 5755 | Peak | 5650.000 | -31.47 | $\leq -27.00$ | PASS |
|  |  |      |      | Peak | 5700.000 | -22.65 | $\leq 10.00$  | PASS |
|  |  |      |      | Peak | 5720.000 | -15.28 | $\leq 15.60$  | PASS |
|  |  |      |      | Peak | 5725.000 | -13.79 | $\leq 27.00$  | PASS |
|  |  | High | 5795 | Peak | 5850.000 | -25.79 | $\leq 27.00$  | PASS |
|  |  |      |      | Peak | 5855.000 | -26.29 | $\leq 15.60$  | PASS |
|  |  |      |      | Peak | 5875.000 | -31.89 | $\leq 10.00$  | PASS |
|  |  |      |      | Peak | 5925.000 | -39.98 | $\leq -27.00$ | PASS |

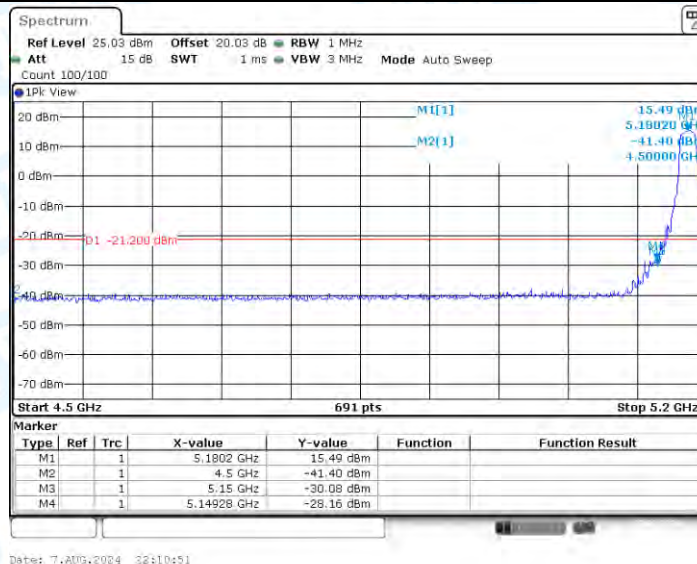
Note:

1. The Antenna Gain is compensated in the graph.
2. For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

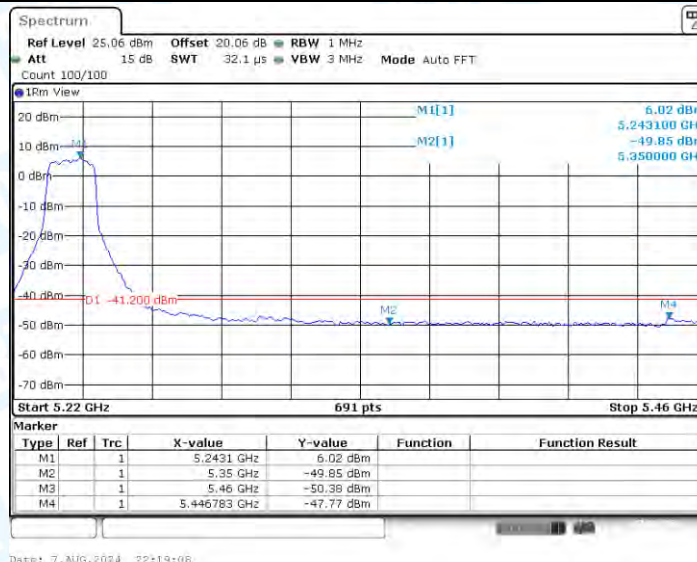
## 7.2. Test Graphs



11A\_Ant1\_Low\_5180\_AV

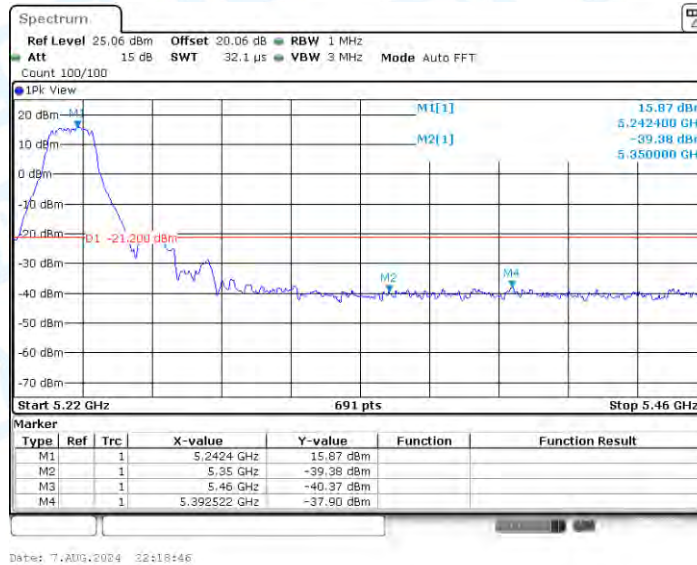


11A\_Ant1\_Low\_5180\_Peak

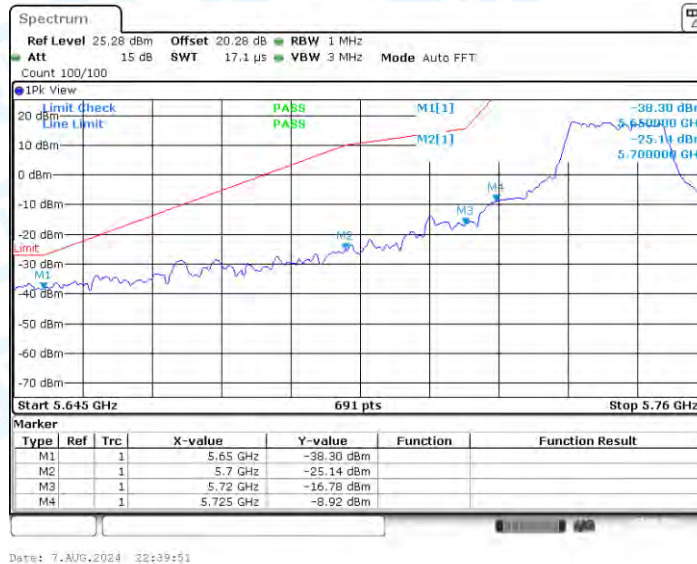




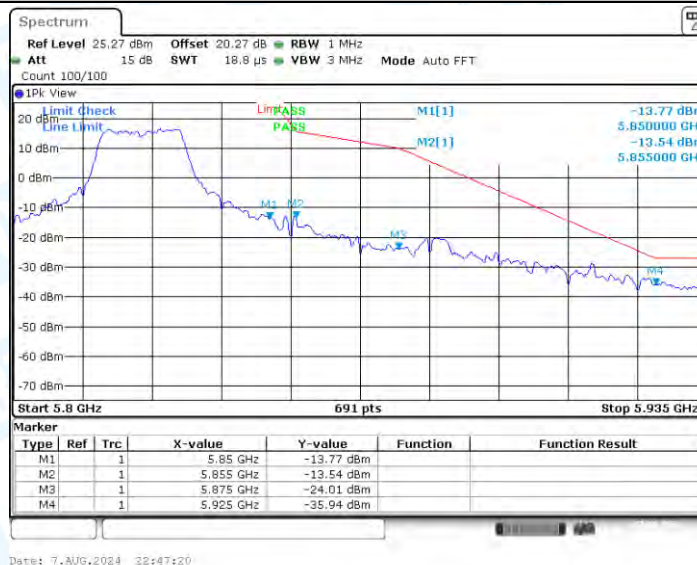
### 11A\_Ant1\_High\_5240\_AV



### 11A\_Ant1\_High\_5240\_Peak



### 11A\_Ant1\_Low\_5745\_Peak



### 11A\_Ant1\_High\_5825\_Peak