

**FCC/ISED - TEST REPORT**

Report Number : **68.950.24.0230.01** Date of Issue: **2024-04-18**

Model/HVIN : **CPPB1**

Product Type : Camera

Applicant : GoPro, Inc.

Address : 3025 Clearview Way, San Mateo, CA 94402, USA

Manufacturer : GoPro, Inc.

Address : 3025 Clearview Way, San Mateo, CA 94402, USA

Test Result : ☒ **Positive** ☐ **Negative**

Total pages including Appendices : **658**

*Any use for advertising purposes must be granted in writing. This technical report may only be quoted in full. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production. For further details, please see testing and certification regulation, chapter A-3.4.*

## Table of Contents

|     |                                                 |     |
|-----|-------------------------------------------------|-----|
| 1.  | DETAILS ABOUT THE TEST LABORATORY .....         | 3   |
| 2.  | DESCRIPTION OF THE EQUIPMENT UNDER TEST .....   | 4   |
| 3.  | SUMMARY OF TEST STANDARDS .....                 | 5   |
| 4.  | SUMMARY OF TEST RESULTS .....                   | 6   |
| 5.  | GENERAL REMARKS .....                           | 7   |
| 6.  | TEST SETUPS .....                               | 8   |
| 7.  | SYSTEMS TEST CONFIGURATION .....                | 10  |
| 8.  | TECHNICAL REQUIREMENT .....                     | 16  |
|     | 8.1 Conducted emission AC power port .....      | 16  |
|     | 8.2 Emission bandwidth .....                    | 19  |
|     | 8.3 Maximum conducted output power & EIRP ..... | 333 |
|     | 8.4 Maximum power spectral density .....        | 341 |
|     | 8.5 Radiated Unwanted Emissions .....           | 492 |
|     | 8.7 Frequencies Stability .....                 | 642 |
|     | 8.8 Dynamic Frequency Selection (DFS) .....     | 649 |
| 9.  | TEST EQUIPMENT LIST .....                       | 657 |
| 10. | SYSTEM MEASUREMENT UNCERTAINTY .....            | 658 |

## 1. Details about the Test Laboratory

### Details about the Test Laboratory

#### Test Site 1

Company name: TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch  
Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou,  
Nanshan District, Shenzhen City, 518052, P. R. China

Telephone: 86 755 8828 6998  
Fax: 86 755 828 5299

FCC Registration No.: 514049

FCC Designation No.: CN5009

IC Registration No.: 10320A

ISED CAB identifier: CN0077

## 2. Description of the Equipment Under Test

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product:                   | Camera                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Model no.:                 | CPPB1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| FCC ID:                    | CNFCPPB1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| IC:                        | 10193A-CPPB1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| PMN:                       | CPPB1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| HVIN:                      | CPPB1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Rating:                    | 3.89VDC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| RF Transmission Frequency: | 5.180GHz~5.240GHz;<br>5.260GHz~5.320GHz;<br>5.500GHz~5.720GHz;<br>5.745GHz~5.825GHz<br>Note: until further notice, this device shall not be capable of transmitting in the band 5600-5650MHz for Canada. This restriction is for the protection of Terminal Doppler Weather Radar (TDWR) operating in this band.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Modulation:                | 802.11a: BPSK, QPSK, 16QAM, 64QAM<br>802.11n: BPSK, QPSK, 16QAM, 64QAM<br>802.11ac: BPSK, QPSK, 16QAM, 64QAM, 256QAM<br>802.11ax: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Antenna Type:              | Internal Integrated Metal Antenna                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Antenna Gain:              | Ant1:3.91dBi max, Ant 2:-0.25dBi max 5.180GHz~5.240GHz;<br>Ant 1:4.57dBi max, Ant 2:-0.92dBi max 5.260GHz~5.320GHz;<br>Ant 1:3.87dBi max, Ant 2:-3.30dBi max for 5.500GHz~5.720GHz;<br>Ant1: 3.27dBi max, Ant2: -2.26dBi max for 5.745GHz~5.825GHz<br>Note: Antenna 1 and Antenna 2 support MIMO mode, so directional gain value as below:<br>Directional Gain= $10 \cdot \log[(10^{3.91/20} + 10^{-0.25/20})^2/2] = 5.09\text{dBi}$ for 5.180GHz~5.240GHz;<br>Directional Gain= $10 \cdot \log[(10^{4.57/20} + 10^{-0.92/20})^2/2] = 5.26\text{dBi}$ for 5.260GHz~5.320GHz;<br>Directional Gain= $10 \cdot \log[(10^{3.87/20} + 10^{-3.30/20})^2/2] = 4.01\text{dBi}$ for 5.500GHz~5.720GHz;<br>Directional Gain= $10 \cdot \log[(10^{3.27/20} + 10^{-2.26/20})^2/2] = 3.95\text{dBi}$ for 5.745GHz~5.825GHz; |
| Description of the EUT:    | The Equipment Under Test (EUT) is a Camera supports Bluetooth Low Energy / Bluetooth BR+EDR/ Wi-Fi functions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

### 3. Summary of Test Standards

| Test Standards                                                                           |                                                                                                                              |
|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| FCC Part 15 Subpart E<br>10-1-2023 Edition                                               | PART 15 - RADIO FREQUENCY DEVICES<br>Subpart E - Intentional Radiators                                                       |
| RSS-Gen Issue 5<br>April 2018 + Amendment 1<br>March 2019 + Amendment<br>2 February 2021 | General Requirements for Compliance of Radio Apparatus                                                                       |
| RSS-247<br>Issue 3 August 2023                                                           | Digital Transmission Systems (DTSS), Frequency Hopping Systems (FHSS) and License-Exempt Local Area Network (LE-LAN) Devices |

Test Method:

KDB 789033 D02 General UNII Test Procedures New Rules v02r01

KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02

KDB 905462 D03 Client Without DFS New Rules v01r02

KDB 662911 D01 Multiple Transmitter Output v02r01

ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices

#### 4. Summary of Test Results

| Test Condition                                                                                                              |                                       | Test Result                                      |                          |                          |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------------------|--------------------------|--------------------------|
|                                                                                                                             |                                       | Pass                                             | Fail                     | N/A                      |
| §15.207 & RSS-Gen 8.8                                                                                                       | Conducted Emission AC Power Port      | <input checked="" type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> |
| §15.407(a)(2) & RSS-247 6.2                                                                                                 | Emission bandwidth                    | <input checked="" type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> |
| §15.407(a)(1), §15.407(a)(3), RSS-247 6.2                                                                                   | Maximum Conducted Output Power & EIRP | <input checked="" type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> |
| §15.407(a)(1), §15.407(a)(3), RSS-247 6.2                                                                                   | Maximum Power Spectral Density        | <input checked="" type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> |
| §15.407(b)(1), §15.407(b)(2), §15.407(b)(3), §15.407(b)(4), §15.407(b)(8), §15.407(b)(9), §15.209, RSS-247 6.2, RSS-Gen 8.9 | Unwanted Emissions                    | <input checked="" type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> |
| §15.407(b)(1), §15.407(b)(2), §15.407(b)(3), §15.407(b)(4), RSS-247 6.2, RSS-Gen 8.9                                        | Band edge compliance                  | <input checked="" type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> |
| §15.407(g), RSS-Gen 6.11                                                                                                    | Frequencies Stability                 | <input checked="" type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> |
| §15.407(h), RSS-247 6.3                                                                                                     | Dynamic Frequency Selection (DFS).    | <input checked="" type="checkbox"/>              | <input type="checkbox"/> | <input type="checkbox"/> |
| §15.203, RSS-Gen 6.8                                                                                                        | Antenna Requirement                   | <input checked="" type="checkbox"/><br>See note2 | <input type="checkbox"/> | <input type="checkbox"/> |

Note 1: N/A=Not Applicable.

Note 2: The EUT uses an Internal Integrated Metal Antenna, which gain are Ant1:3.91dBi max, Ant 2:-0.25dBi max 5.180GHz~5.240GHz; Ant 1:4.57dBi max, Ant 2:-0.92dBi max 5.260GHz~5.320GHz; Ant 1:3.87dBi max, Ant 2:-3.30dBi max for 5.500GHz~5.720GHz; Ant1: 3.27 dBi max, Ant2: -2.26 dBi max for 5.745GHz~5.825GHz. In accordance to §15.203 & RSS-Gen 6.8, it is considered sufficiently to comply with the provisions of this section.

## 5. General Remarks

### Remarks

This submittal(s) (test report) is intended for FCC ID: CNFCPPB1, complies with Section 15.207, 15.209, 15.205, 15.407 of the FCC Part 15, Subpart C.

This submittal(s) (test report) is intended for IC: 10193A-CPPB1, complies with RSS-247, RSS-GEN.

The Model: CPPB1 supports Bluetooth Low Energy/Bluetooth BR+EDR/Wi-Fi functions, power by 3.89VDC, 1960mAh supplied by a rechargeable Lithium Ion Battery or 5VDC supplied by USB type C port.

The TX and RX range is 2402MHz-2480MHz for Bluetooth, 2412MHz – 2462MHz for 2.4GHz Wi-Fi, 5180MHz – 5320MHz, 5500MHz – 5700MHz, 5745MHz – 5825MHz for 5GHz Wi-Fi.

(This device shall not be capable of transmitting in the band 5600-5650MHz for Canada. This restriction is for the protection of Terminal Doppler Weather Radar (TDWR) operating in this band.)

This report is for the 5GHz Wi-Fi part.

### SUMMARY:

All tests according to the regulations cited on page 6 were

■ - Performed

□ - Not Performed

The Equipment Under Test

■ - **Fulfills** the general approval requirements.

□ - **Does not** fulfill the general approval requirements.

Sample Received Date: 2024-02-26

Testing Start Date: 2024-02-26

Testing End Date: 2024-03-29

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch.

Reviewed by:

Prepared by:

Tested by:



John Zhi  
Project Manager



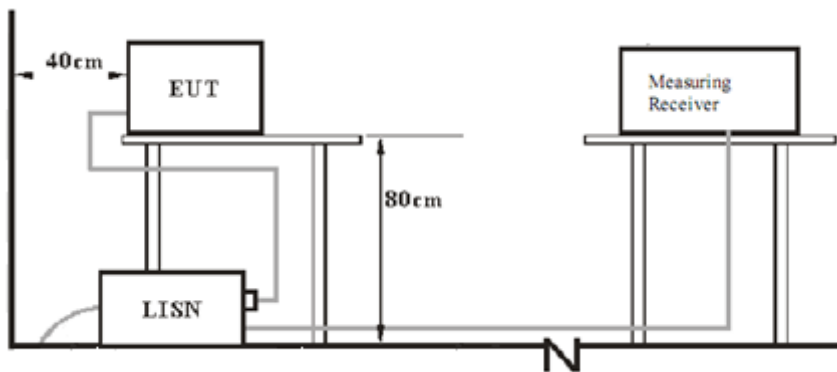
Joe Gu  
Project Engineer



Carry Cai  
Test Engineer

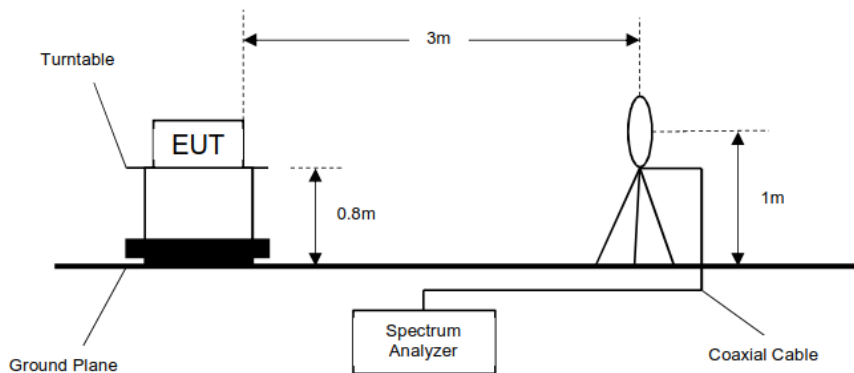
## 6. Test setups

### 7.1 AC Power Line Conducted Emission test setups

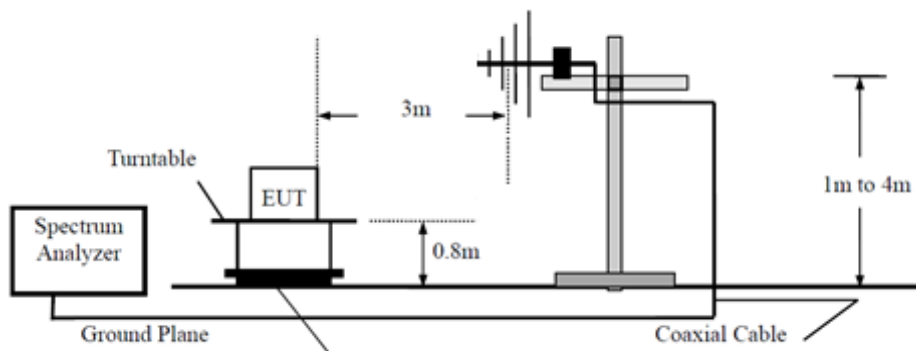


### 7.2 Radiated test setups

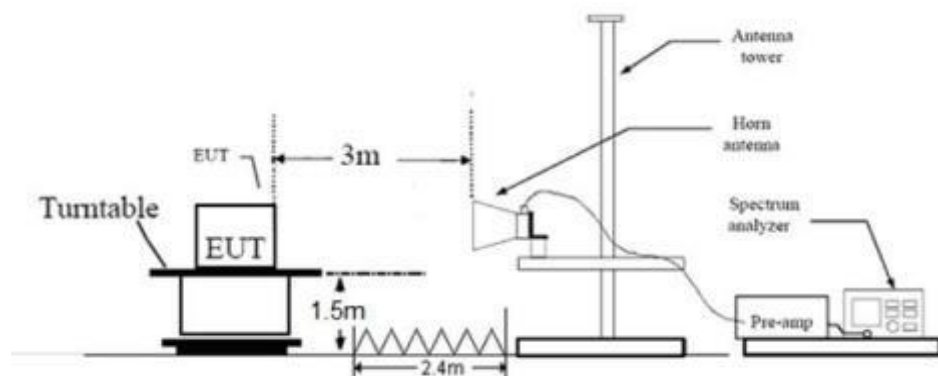
#### 9KHz-30MHz



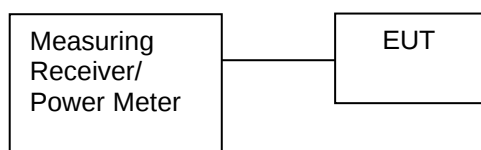
#### Below 1GHz



Above 1GHz



### 7.3 Conducted RF test setups



## 7. Systems test configuration

Auxiliary Equipment Used during Test:

| Description | Manufacturer | Model No. | S/N     |
|-------------|--------------|-----------|---------|
| Notebook    | Lenovo       | X220      | 429044C |

Cables Used During Test:

| Cable     | Length | Shielded/unshielded | With / without ferrite |
|-----------|--------|---------------------|------------------------|
| USB cable | 46cm   | Shielded            | without ferrite        |

The system was configured to channel:

| Test Mode                                                   | Channel (MHz)    |                 |                 |
|-------------------------------------------------------------|------------------|-----------------|-----------------|
| 802.11a,<br>802.11n HT20<br>802.11ac VHT20<br>802.11ax HE20 | 5G Wi-Fi UNII-1  |                 |                 |
|                                                             | CH36 (5180MHz)   | CH40 (5200MHz)  | CH48 (5240MHz)  |
|                                                             | 5G Wi-Fi UNII-2A |                 |                 |
|                                                             | CH52 (5260MHz)   | CH56 (5280MHz)  | CH64 (5320MHz)  |
|                                                             | 5G Wi-Fi UNII-2C |                 |                 |
|                                                             | CH100 (5500MHz)  | CH116 (5580MHz) | CH140 (5700MHz) |
|                                                             | CH144 (5720MHz)  |                 |                 |
|                                                             | 5G Wi-Fi UNII-3  |                 |                 |
| CH149 (5745MHz)                                             | CH157(5785MHz)   | CH165 (5825MHz) |                 |

| Test Mode                                       | Channel (MHz)    |                |                |
|-------------------------------------------------|------------------|----------------|----------------|
| 802.11n HT40<br>802.11ac VHT40<br>802.11ax HE40 | 5G Wi-Fi UNII-1  |                |                |
|                                                 | CH38(5190MHz)    | CH46 (5230MHz) |                |
|                                                 | 5G Wi-Fi UNII-2A |                |                |
|                                                 | CH54(5270MHz)    | CH62(5310MHz)  |                |
|                                                 | 5G Wi-Fi UNII-2C |                |                |
|                                                 | CH102(5510MHz)   | CH110(5550MHz) | CH134(5670MHz) |
|                                                 | CH 142 (5710MHz) |                |                |
|                                                 | 5G Wi-Fi UNII-3  |                |                |
|                                                 | CH151(5755MHz)   | CH159(5795MHz) |                |

| Test Mode                       | Channel (MHz)    |                |                |
|---------------------------------|------------------|----------------|----------------|
| 802.11ac VHT80<br>802.11ax HE80 | 5G Wi-Fi UNII-1  |                |                |
|                                 | CH42(5210MHz)    |                |                |
|                                 | 5G Wi-Fi UNII-2A |                |                |
|                                 | CH58(5290MHz)    |                |                |
|                                 | 5G Wi-Fi UNII-2C |                |                |
|                                 | CH106(5530MHz)   | CH122(5610MHz) | CH138(5690MHz) |
|                                 | 5G Wi-Fi UNII-3  |                |                |
|                                 | CH155(5775MHz)   |                |                |

Remark: CH122(5610MHz) only used for USA.

The system was configured to channel and TX power setting:

| Test Software Version | RF TOOL(Ver:0.2.1) |         |         |                  |            |
|-----------------------|--------------------|---------|---------|------------------|------------|
| Band                  | Mode               | Channel | RU Tone | Setting TX Power | Data Rate  |
| 5G Wi-Fi UNII-1       | 802.11a            | 5180    | /       | 13               | 11a 6 Mbps |
|                       | 802.11a            | 5200    | /       | 13               | 11a 6 Mbps |
|                       | 802.11a            | 5220    | /       | 13               | 11a 6 Mbps |
|                       | 802.11a            | 5240    | /       | 13               | 11a 6 Mbps |
|                       | 802.11n HT20       | 5180    | /       | 11               | 11n MCS8   |
|                       | 802.11n HT20       | 5200    | /       | 11               | 11n MCS8   |
|                       | 802.11n HT20       | 5220    | /       | 11               | 11n MCS8   |
|                       | 802.11n HT20       | 5240    | /       | 11               | 11n MCS8   |
|                       | 802.11n HT40       | 5190    | /       | 11               | 11n MCS8   |
|                       | 802.11n HT40       | 5230    | /       | 11               | 11n MCS8   |
|                       | 802.11ac VHT20     | 5180    | /       | 13               | 11ac MCS0  |
|                       | 802.11ac VHT20     | 5200    | /       | 13               | 11ac MCS0  |
|                       | 802.11ac VHT20     | 5220    | /       | 13               | 11ac MCS0  |
|                       | 802.11ac VHT20     | 5240    | /       | 13               | 11ac MCS0  |
|                       | 802.11ac VHT40     | 5190    | /       | 13               | 11ac MCS0  |
|                       | 802.11ac VHT40     | 5230    | /       | 13               | 11ac MCS0  |
|                       | 802.11ac VHT80     | 5210    | /       | 13               | 11ac MCS0  |
|                       | 802.11ax HE20      | 5180    | 26RU0   | 9                | 11ax MCS0  |
|                       |                    |         | 52RU37  | 10               | 11ax MCS0  |
|                       |                    |         | 106RU53 | 13               | 11ax MCS0  |
|                       |                    |         | 242RU61 | 13               | 11ax MCS0  |
|                       |                    | 5200    | 26RU4   | 9                | 11ax MCS0  |
|                       |                    |         | 52RU38  | 10               | 11ax MCS0  |
|                       |                    |         | 106RU53 | 13               | 11ax MCS0  |
|                       |                    |         | 242RU61 | 13               | 11ax MCS0  |
|                       |                    | 5220    | 26RU4   | 9                | 11ax MCS0  |
|                       |                    |         | 52RU38  | 10               | 11ax MCS0  |
|                       |                    |         | 106RU53 | 13               | 11ax MCS0  |
|                       |                    |         | 242RU61 | 13               | 11ax MCS0  |
|                       |                    | 5240    | 26RU8   | 9                | 11ax MCS0  |
|                       |                    |         | 52RU40  | 10               | 11ax MCS0  |
|                       |                    |         | 106RU54 | 13               | 11ax MCS0  |
|                       |                    |         | 242RU61 | 13               | 11ax MCS0  |
|                       | 802.11ax HE40      | 5190    | 26RU0   | 4                | 11ax MCS0  |
|                       |                    |         | 52RU37  | 5                | 11ax MCS0  |
|                       |                    |         | 106RU53 | 9                | 11ax MCS0  |
|                       |                    |         | 242RU61 | 13               | 11ax MCS0  |
|                       |                    |         | 484RU65 | 12               | 11ax MCS0  |
|                       |                    | 5230    | 26RU17  | 4                | 11ax MCS0  |
|                       |                    |         | 52RU44  | 5                | 11ax MCS0  |

|                     |                |      |         |    |            |
|---------------------|----------------|------|---------|----|------------|
| 5G Wi-Fi<br>UNII-2A | 802.11ax HE80  | 5210 | 106RU56 | 9  | 11ax MCS0  |
|                     |                |      | 242RU62 | 13 | 11ax MCS0  |
|                     |                |      | 484RU65 | 12 | 11ax MCS0  |
|                     |                |      | 26RU0   | 2  | 11ax MCS0  |
|                     |                |      | 52RU37  | 4  | 11ax MCS0  |
|                     |                |      | 106RU53 | 7  | 11ax MCS0  |
|                     |                |      | 242RU61 | 9  | 11ax MCS0  |
|                     | 802.11a        | 5260 | 484RU65 | 11 | 11ax MCS0  |
|                     |                |      | 996RU67 | 11 | 11ax MCS0  |
|                     |                |      | /       | 10 | 11a 6 Mbps |
|                     |                |      | /       | 10 | 11a 6 Mbps |
|                     |                |      | /       | 10 | 11a 6 Mbps |
|                     |                |      | /       | 9  | 11n MCS8   |
|                     |                |      | /       | 9  | 11n MCS8   |
|                     |                |      | /       | 9  | 11n MCS8   |
|                     |                |      | /       | 12 | 11n MCS8   |
|                     |                |      | /       | 12 | 11n MCS8   |
|                     |                |      | /       | 9  | 11ac MCS0  |
|                     |                |      | /       | 9  | 11ac MCS0  |
|                     |                |      | /       | 9  | 11ac MCS0  |
|                     |                |      | /       | 13 | 11ac MCS0  |
|                     |                |      | /       | 13 | 11ac MCS0  |
| 5G Wi-Fi<br>UNII-2A | 802.11ac VHT20 | 5290 | /       | 11 | 11ac MCS0  |
|                     |                |      | 26RU0   | 3  | 11ax MCS0  |
|                     |                |      | 52RU37  | 5  | 11ax MCS0  |
|                     |                |      | 106RU53 | 9  | 11ax MCS0  |
|                     |                |      | 242RU61 | 11 | 11ax MCS0  |
|                     | 802.11ac VHT40 | 5260 | 26RU4   | 3  | 11ax MCS0  |
|                     |                |      | 52RU38  | 5  | 11ax MCS0  |
|                     |                |      | 106RU53 | 9  | 11ax MCS0  |
|                     |                |      | 242RU61 | 11 | 11ax MCS0  |
|                     | 802.11ac VHT80 | 5280 | 26RU8   | 3  | 11ax MCS0  |
|                     |                |      | 52RU40  | 5  | 11ax MCS0  |
|                     |                |      | 106RU54 | 9  | 11ax MCS0  |
|                     |                |      | 242RU61 | 11 | 11ax MCS0  |
|                     | 802.11ax HE20  | 5320 | 26RU0   | 0  | 11ax MCS0  |
|                     |                |      | 52RU37  | 4  | 11ax MCS0  |
|                     |                |      | 106RU53 | 5  | 11ax MCS0  |
|                     |                |      | 242RU61 | 9  | 11ax MCS0  |
|                     |                |      | 484RU65 | 11 | 11ax MCS0  |
|                     |                | 5270 | 26RU17  | 0  | 11ax MCS0  |
|                     |                |      | 52RU44  | 4  | 11ax MCS0  |
|                     |                |      | 106RU56 | 5  | 11ax MCS0  |
|                     |                |      | 242RU62 | 9  | 11ax MCS0  |
|                     |                |      | 484RU65 | 11 | 11ax MCS0  |
|                     | 802.11ax HE80  | 5290 | 26RU36  | -2 | 11ax MCS0  |

|                     |                |      |         |    |            |
|---------------------|----------------|------|---------|----|------------|
| 5G Wi-Fi<br>UNII-2C |                |      | 52RU52  | -1 | 11ax MCS0  |
|                     |                |      | 106RU60 | 4  | 11ax MCS0  |
|                     |                |      | 242RU64 | 6  | 11ax MCS0  |
|                     |                |      | 484RU66 | 9  | 11ax MCS0  |
|                     |                |      | 996RU67 | 11 | 11ax MCS0  |
|                     | 802.11a        | 5500 | /       | 14 | 11a 6 Mbps |
|                     | 802.11a        | 5580 | /       | 14 | 11a 6 Mbps |
|                     | 802.11a        | 5700 | /       | 14 | 11a 6 Mbps |
|                     | 802.11a        | 5720 | /       | 14 | 11a 6 Mbps |
|                     | 802.11n HT20   | 5500 | /       | 10 | 11n MCS8   |
|                     | 802.11n HT20   | 5580 | /       | 10 | 11n MCS8   |
|                     | 802.11n HT20   | 5700 | /       | 10 | 11n MCS8   |
|                     | 802.11n HT20   | 5720 | /       | 10 | 11n MCS8   |
|                     | 802.11n HT40   | 5510 | /       | 11 | 11n MCS8   |
|                     | 802.11n HT40   | 5550 | /       | 11 | 11n MCS8   |
|                     | 802.11n HT40   | 5670 | /       | 11 | 11n MCS8   |
|                     | 802.11n HT40   | 5710 | /       | 11 | 11n MCS8   |
|                     | 802.11ac VHT20 | 5500 | /       | 10 | 11ac MCS0  |
|                     | 802.11ac VHT20 | 5580 | /       | 10 | 11ac MCS0  |
|                     | 802.11ac VHT20 | 5700 | /       | 10 | 11ac MCS0  |
|                     | 802.11ac VHT20 | 5720 | /       | 10 | 11ac MCS0  |
|                     | 802.11ac VHT40 | 5510 | /       | 11 | 11ac MCS0  |
|                     | 802.11ac VHT40 | 5550 | /       | 11 | 11ac MCS0  |
|                     | 802.11ac VHT40 | 5670 | /       | 11 | 11ac MCS0  |
|                     | 802.11ac VHT40 | 5710 | /       | 11 | 11ac MCS0  |
|                     | 802.11ac VHT80 | 5530 | /       | 11 | 11ac MCS0  |
|                     | 802.11ac VHT80 | 5610 | /       | 11 | 11ac MCS0  |
|                     | 802.11ac VHT80 | 5690 | /       | 11 | 11ac MCS0  |
|                     | 802.11ax HE20  | 5500 | 26RU0   | 5  | 11ax MCS0  |
|                     |                |      | 52RU37  | 8  | 11ax MCS0  |
|                     |                |      | 106RU53 | 10 | 11ax MCS0  |
|                     |                |      | 242RU61 | 12 | 11ax MCS0  |
|                     |                | 5580 | 26RU4   | 5  | 11ax MCS0  |
|                     |                |      | 52RU38  | 8  | 11ax MCS0  |
|                     |                |      | 106RU53 | 10 | 11ax MCS0  |
|                     |                |      | 242RU61 | 12 | 11ax MCS0  |
|                     |                | 5700 | 26RU8   | 5  | 11ax MCS0  |
|                     |                |      | 52RU40  | 8  | 11ax MCS0  |
|                     |                |      | 106RU54 | 10 | 11ax MCS0  |
|                     |                |      | 242RU61 | 12 | 11ax MCS0  |
|                     |                | 5720 | 26RU8   | 5  | 11ax MCS0  |

|                    |               |      |         |    |            |
|--------------------|---------------|------|---------|----|------------|
|                    |               |      | 52RU40  | 8  | 11ax MCS0  |
|                    |               |      | 106RU54 | 10 | 11ax MCS0  |
|                    |               |      | 242RU61 | 12 | 11ax MCS0  |
|                    | 802.11ax HE40 | 5510 | 26RU0   | 5  | 11ax MCS0  |
|                    |               |      | 52RU37  | 9  | 11ax MCS0  |
|                    |               |      | 106RU53 | 10 | 11ax MCS0  |
|                    |               |      | 242RU61 | 12 | 11ax MCS0  |
|                    |               |      | 484RU65 | 10 | 11ax MCS0  |
|                    |               | 5550 | 26RU8   | 5  | 11ax MCS0  |
|                    |               |      | 52RU40  | 9  | 11ax MCS0  |
|                    |               |      | 106RU54 | 10 | 11ax MCS0  |
|                    |               |      | 242RU61 | 12 | 11ax MCS0  |
|                    |               |      | 484RU65 | 10 | 11ax MCS0  |
|                    |               | 5670 | 26RU17  | 5  | 11ax MCS0  |
|                    |               |      | 52RU44  | 9  | 11ax MCS0  |
|                    |               |      | 106RU56 | 10 | 11ax MCS0  |
|                    |               |      | 242RU62 | 12 | 11ax MCS0  |
|                    |               |      | 484RU65 | 10 | 11ax MCS0  |
|                    |               | 5710 | 26RU17  | 5  | 11ax MCS0  |
|                    |               |      | 52RU44  | 9  | 11ax MCS0  |
|                    |               |      | 106RU56 | 10 | 11ax MCS0  |
|                    |               |      | 242RU62 | 12 | 11ax MCS0  |
|                    |               |      | 484RU65 | 10 | 11ax MCS0  |
|                    | 802.11ax HE80 | 5530 | 26RU0   | 4  | 11ax MCS0  |
|                    |               |      | 52RU37  | 8  | 11ax MCS0  |
|                    |               |      | 106RU53 | 10 | 11ax MCS0  |
|                    |               |      | 242RU61 | 12 | 11ax MCS0  |
|                    |               |      | 484RU65 | 11 | 11ax MCS0  |
|                    |               |      | 996RU67 | 10 | 11ax MCS0  |
|                    |               | 5610 | 26RU8   | 4  | 11ax MCS0  |
|                    |               |      | 52RU40  | 8  | 11ax MCS0  |
|                    |               |      | 106RU54 | 10 | 11ax MCS0  |
|                    |               |      | 242RU61 | 12 | 11ax MCS0  |
|                    |               |      | 484RU65 | 11 | 11ax MCS0  |
|                    |               |      | 996RU67 | 10 | 11ax MCS0  |
|                    |               | 5690 | 26RU36  | 4  | 11ax MCS0  |
|                    |               |      | 52RU52  | 8  | 11ax MCS0  |
|                    |               |      | 106RU60 | 10 | 11ax MCS0  |
|                    |               |      | 242RU64 | 12 | 11ax MCS0  |
|                    |               |      | 484RU66 | 11 | 11ax MCS0  |
|                    |               |      | 996RU67 | 10 | 11ax MCS0  |
| 5G Wi-Fi<br>UNII-3 | 802.11a       | 5745 | /       | 8  | 11a 6 Mbps |
|                    | 802.11a       | 5785 | /       | 8  | 11a 6 Mbps |

|  |                |      |         |   |            |
|--|----------------|------|---------|---|------------|
|  | 802.11a        | 5825 | /       | 8 | 11a 6 Mbps |
|  | 802.11n HT20   | 5745 | /       | 7 | 11n MCS8   |
|  | 802.11n HT20   | 5785 | /       | 7 | 11n MCS8   |
|  | 802.11n HT20   | 5825 | /       | 7 | 11n MCS8   |
|  | 802.11n HT40   | 5755 | /       | 7 | 11n MCS8   |
|  | 802.11n HT40   | 5795 | /       | 7 | 11n MCS8   |
|  | 802.11ac VHT20 | 5745 | /       | 7 | 11ac MCS0  |
|  | 802.11ac VHT20 | 5785 | /       | 7 | 11ac MCS0  |
|  | 802.11ac VHT20 | 5825 | /       | 7 | 11ac MCS0  |
|  | 802.11ac VHT40 | 5755 | /       | 7 | 11ac MCS0  |
|  | 802.11ac VHT40 | 5795 | /       | 7 | 11ac MCS0  |
|  | 802.11ac VHT80 | 5775 | /       | 7 | 11ac MCS0  |
|  | 802.11ax HE20  | 5745 | 26RU0   | 8 | 11ax MCS0  |
|  |                |      | 52RU37  | 8 | 11ax MCS0  |
|  |                |      | 106RU53 | 7 | 11ax MCS0  |
|  |                |      | 242RU61 | 7 | 11ax MCS0  |
|  |                | 5785 | 26RU4   | 8 | 11ax MCS0  |
|  |                |      | 52RU38  | 8 | 11ax MCS0  |
|  |                |      | 106RU53 | 7 | 11ax MCS0  |
|  |                |      | 242RU61 | 7 | 11ax MCS0  |
|  |                | 5825 | 26RU8   | 8 | 11ax MCS0  |
|  |                |      | 52RU40  | 8 | 11ax MCS0  |
|  |                |      | 106RU54 | 7 | 11ax MCS0  |
|  |                |      | 242RU61 | 7 | 11ax MCS0  |
|  | 802.11ax HE40  | 5755 | 26RU0   | 8 | 11ax MCS0  |
|  |                |      | 52RU37  | 8 | 11ax MCS0  |
|  |                |      | 106RU53 | 8 | 11ax MCS0  |
|  |                |      | 242RU61 | 7 | 11ax MCS0  |
|  |                |      | 484RU65 | 6 | 11ax MCS0  |
|  |                | 5795 | 26RU17  | 8 | 11ax MCS0  |
|  |                |      | 52RU44  | 8 | 11ax MCS0  |
|  |                |      | 106RU56 | 7 | 11ax MCS0  |
|  |                |      | 242RU62 | 7 | 11ax MCS0  |
|  |                |      | 484RU65 | 6 | 11ax MCS0  |
|  | 802.11ax HE80  | 5775 | 26RU0   | 8 | 11ax MCS0  |
|  |                |      | 52RU37  | 8 | 11ax MCS0  |
|  |                |      | 106RU53 | 7 | 11ax MCS0  |
|  |                |      | 242RU61 | 7 | 11ax MCS0  |
|  |                |      | 484RU65 | 6 | 11ax MCS0  |
|  |                |      | 996RU67 | 6 | 11ax MCS0  |

## 8. Technical Requirement

### 8.1 Conducted emission AC power port

#### Test Method

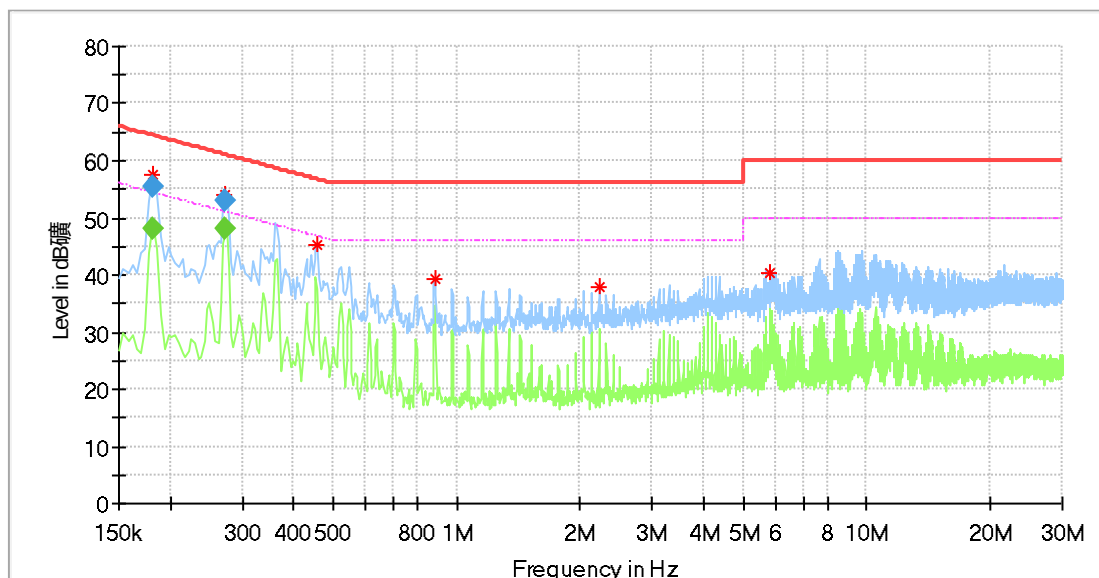
1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. Both sides of AC line were checked for maximum conducted interference.
6. The frequency range from 150 kHz to 30 MHz was searched.
7. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

#### Limit

| Frequency<br>MHz | QP Limit<br>dB $\mu$ V | AV Limit<br>dB $\mu$ V |
|------------------|------------------------|------------------------|
| 0.150-0.500      | 66-56*                 | 56-46*                 |
| 0.500-5          | 56                     | 46                     |
| 5-30             | 60                     | 50                     |

Remark: “\*” Decreasing linearly with logarithm of the frequency

Product Type : Camera  
M/N : CPPB1  
Operating Condition : Transmitting  
Test specification : Line  
Comment : AC 120V/60Hz(External adapter)



## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBμV) | Average (dBμV) | Limit (dBμV) | Margin (dB) | Line | Corr. (dB) |
|-----------------|----------------|----------------|--------------|-------------|------|------------|
| 0.181500        | 57.56          | ---            | 64.39        | 6.83        | L1   | 10.27      |
| 0.273500        | 54.05          | ---            | 61.00        | 6.95        | L1   | 10.28      |
| 0.458000        | 45.18          | ---            | 56.73        | 11.55       | L1   | 10.29      |
| 0.886000        | 39.29          | ---            | 56.00        | 16.71       | L1   | 10.32      |
| 2.226000        | 38.02          | ---            | 56.00        | 17.98       | L1   | 10.38      |
| 5.786000        | 40.44          | ---            | 60.00        | 19.56       | L1   | 10.64      |

## Final\_Result

| Frequency (MHz) | QuasiPeak (dBμV) | Average (dBμV) | Limit (dBμV) | Margin (dB) | Line | Corr. (dB) |
|-----------------|------------------|----------------|--------------|-------------|------|------------|
| 0.181500        | ---              | 48.24          | 54.42        | 6.18        | L1   | 10.27      |
| 0.181500        | 55.43            | ---            | 64.42        | 8.99        | L1   | 10.27      |
| 0.273500        | ---              | 47.46          | 51.01        | 3.55        | L1   | 10.28      |
| 0.273500        | 53.14            | ---            | 61.01        | 7.87        | L1   | 10.28      |

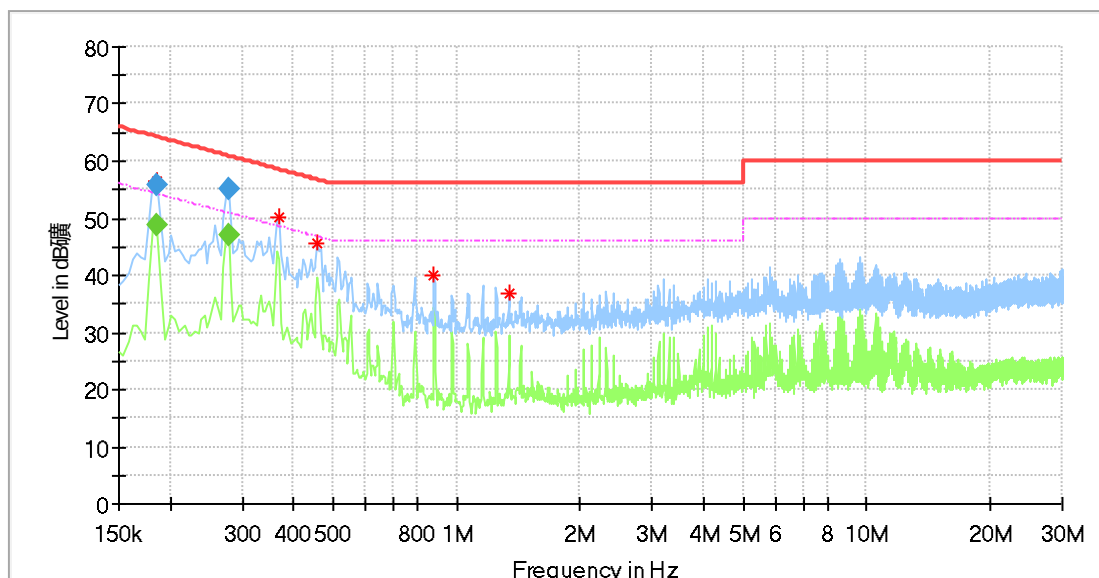
Remark:

Level=Reading Level + Correction Factor

Correction Factor=Cable Loss + LISN Factor

(The Reading Level is recorded by software which is not shown in the sheet)

Product Type : Camera  
M/N : CPPB1  
Operating Condition : Transmitting  
Test specification : Neutral  
Comment : AC 120V/60Hz(External adapter)



## Critical\_Freqs

| Frequency (MHz) | MaxPeak (dBμV) | Average (dBμV) | Limit (dBμV) | Margin (dB) | Line | Corr. (dB) |
|-----------------|----------------|----------------|--------------|-------------|------|------------|
| 0.185500        | 56.38          | ---            | 64.39        | 8.01        | N    | 10.22      |
| 0.277500        | 55.07          | ---            | 61.00        | 5.93        | N    | 10.23      |
| 0.370000        | 50.12          | ---            | 58.50        | 8.38        | N    | 10.16      |
| 0.458000        | 45.70          | ---            | 56.73        | 11.03       | N    | 10.21      |
| 0.882000        | 40.04          | ---            | 56.00        | 15.96       | N    | 10.19      |
| 1.342000        | 36.92          | ---            | 56.00        | 19.08       | N    | 10.23      |

## Final\_Result

| Frequency (MHz) | QuasiPeak (dBμV) | Average (dBμV) | Limit (dBμV) | Margin (dB) | Line | Corr. (dB) |
|-----------------|------------------|----------------|--------------|-------------|------|------------|
| 0.185500        | ---              | 48.73          | 54.24        | 5.51        | N    | 10.22      |
| 0.185500        | 55.68            | ---            | 64.24        | 8.56        | N    | 10.22      |
| 0.277500        | ---              | 47.08          | 50.89        | 3.81        | N    | 10.23      |
| 0.277500        | 54.99            | ---            | 60.89        | 5.90        | N    | 10.23      |

Remark:

Level=Reading Level + Correction Factor

Correction Factor=Cable Loss + LISN Factor

(The Reading Level is recorded by software which is not shown in the sheet)

## 8.2 Emission bandwidth

The EUT was placed on 0.8m height table, the RF output of EUT was connected to the test receiver by RF cable. The path loss was compensated to the results for each measurement.

### 1、 Test Method of 26dB Bandwidth

According to KDB789033 D02

- a) Set RBW = approximately 1% of the emission bandwidth.
- b) Set the VBW > RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

**Limit:** No limit

### 2、 Test Method of 6dB Bandwidth

According to KDB789033 D02

- a) Set center frequency to the nominal EUT channel center frequency
- b) Set RBW = approximately 1% of the emission bandwidth.
- c) Set the video bandwidth (VBW)  $\geq 3 \times$  RBW
- d) Detector = Peak.
- e) Trace mode = max hold.
- f) Sweep = Sweep = No faster than coupled (auto) time.
- g) Allow the trace to stabilize.
- h) 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.
- i) Record the results in the test report.

**Limit:**  $\geq 500\text{kHz}$

### 3、 Test Method of 99% Bandwidth

According to KDB789033 D02

- a) Set center frequency to the nominal EUT channel center frequency
- b) Set span = 1.5 times to 5.0 times the OBW.
- c) Set RBW = 1 % to 5 % of the OBW
- d) Set VBW  $\geq 3 \cdot$  RBW
- e) Trace mode = max hold.
- f) Sweep = auto couple.
- g) Allow the trace to stabilize.
- h) Use the 99 % power bandwidth function of the instrument.
- i) Record the results in the test report.

**Limit:** No limit

**26dB Bandwidth Test result:**

| TestMode   | Antenna | Channel [MHz] | 26db EBW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|---------------|----------------|----------|----------|------------|---------|
| 11A        | Ant1    | 5180          | 21.800         | 5168.720 | 5190.520 | ---        | PASS    |
|            |         | 5200          | 20.600         | 5189.720 | 5210.320 | ---        | PASS    |
|            |         | 5240          | 21.280         | 5229.280 | 5250.560 | ---        | PASS    |
|            |         | 5260          | 20.840         | 5249.640 | 5270.480 | ---        | PASS    |
|            |         | 5280          | 20.680         | 5269.720 | 5290.400 | ---        | PASS    |
|            |         | 5320          | 20.720         | 5309.720 | 5330.440 | ---        | PASS    |
|            |         | 5500          | 20.720         | 5489.600 | 5510.320 | ---        | PASS    |
|            |         | 5580          | 20.520         | 5569.720 | 5590.240 | ---        | PASS    |
|            |         | 5700          | 20.800         | 5689.680 | 5710.480 | ---        | PASS    |
|            |         | 5720          | 20.720         | 5709.760 | 5730.480 | ---        | PASS    |
|            |         | 5720_UNII-2C  | 15.24          | 5709.760 | 5725     | ---        | PASS    |
|            |         | 5720_UNII-3   | 5.48           | 5725     | 5730.480 | ---        | PASS    |
|            |         | 5745          | 20.720         | 5734.760 | 5755.480 | ---        | PASS    |
|            |         | 5785          | 20.560         | 5774.840 | 5795.400 | ---        | PASS    |
| 11N20SISO  | Ant1    | 5825          | 20.600         | 5814.760 | 5835.360 | ---        | PASS    |
|            |         | 5180          | 21.000         | 5169.640 | 5190.640 | ---        | PASS    |
|            |         | 5200          | 20.880         | 5189.800 | 5210.680 | ---        | PASS    |
|            |         | 5240          | 21.080         | 5229.520 | 5250.600 | ---        | PASS    |
|            |         | 5260          | 20.960         | 5249.600 | 5270.560 | ---        | PASS    |
|            |         | 5280          | 20.840         | 5269.600 | 5290.440 | ---        | PASS    |
|            |         | 5320          | 21.000         | 5309.400 | 5330.400 | ---        | PASS    |
|            |         | 5500          | 20.720         | 5489.640 | 5510.360 | ---        | PASS    |
|            |         | 5580          | 20.720         | 5569.720 | 5590.440 | ---        | PASS    |
|            |         | 5700          | 20.960         | 5689.480 | 5710.440 | ---        | PASS    |
|            |         | 5720          | 20.920         | 5709.600 | 5730.520 | ---        | PASS    |
|            |         | 5720_UNII-2C  | 15.4           | 5709.600 | 5725     | ---        | PASS    |
|            |         | 5720_UNII-3   | 5.52           | 5725     | 5730.520 | ---        | PASS    |
|            |         | 5745          | 20.800         | 5734.680 | 5755.480 | ---        | PASS    |
| 11N40SISO  | Ant1    | 5785          | 20.440         | 5774.880 | 5795.320 | ---        | PASS    |
|            |         | 5825          | 20.840         | 5814.600 | 5835.440 | ---        | PASS    |
|            |         | 5190          | 40.400         | 5169.920 | 5210.320 | ---        | PASS    |
|            |         | 5230          | 40.480         | 5209.760 | 5250.240 | ---        | PASS    |
|            |         | 5270          | 40.560         | 5249.840 | 5290.400 | ---        | PASS    |
|            |         | 5310          | 40.640         | 5289.760 | 5330.400 | ---        | PASS    |
|            |         | 5510          | 40.400         | 5489.840 | 5530.240 | ---        | PASS    |
|            |         | 5550          | 40.560         | 5529.760 | 5570.320 | ---        | PASS    |
|            |         | 5670          | 40.640         | 5649.840 | 5690.480 | ---        | PASS    |
|            |         | 5710          | 40.720         | 5689.760 | 5730.480 | ---        | PASS    |
|            |         | 5710_UNII-2C  | 35.24          | 5689.760 | 5725     | ---        | PASS    |
|            |         | 5710_UNII-3   | 5.48           | 5725     | 5730.480 | ---        | PASS    |
|            |         | 5755          | 40.640         | 5734.760 | 5775.400 | ---        | PASS    |
|            |         | 5795          | 40.560         | 5774.840 | 5815.400 | ---        | PASS    |
| 11AC20SISO | Ant1    | 5180          | 20.960         | 5169.600 | 5190.560 | ---        | PASS    |
|            |         | 5200          | 21.200         | 5189.280 | 5210.480 | ---        | PASS    |
|            |         | 5240          | 20.920         | 5229.520 | 5250.440 | ---        | PASS    |
|            |         | 5260          | 20.880         | 5249.600 | 5270.480 | ---        | PASS    |
|            |         | 5280          | 21.080         | 5269.520 | 5290.600 | ---        | PASS    |
|            |         | 5320          | 20.920         | 5309.520 | 5330.440 | ---        | PASS    |
|            |         | 5500          | 20.920         | 5489.720 | 5510.640 | ---        | PASS    |
|            |         | 5580          | 20.840         | 5569.640 | 5590.480 | ---        | PASS    |
|            |         | 5700          | 21.080         | 5689.520 | 5710.600 | ---        | PASS    |
|            |         | 5720          | 21.080         | 5709.560 | 5730.640 | ---        | PASS    |
|            |         | 5720_UNII-2C  | 15.44          | 5709.560 | 5725     | ---        | PASS    |
|            |         | 5720_UNII-3   | 5.64           | 5725     | 5730.640 | ---        | PASS    |
|            |         | 5745          | 21.040         | 5734.640 | 5755.680 | ---        | PASS    |
|            |         | 5785          | 20.880         | 5774.640 | 5795.520 | ---        | PASS    |
| 11AC40SISO | Ant1    | 5825          | 20.840         | 5814.600 | 5835.440 | ---        | PASS    |
|            |         | 5190          | 41.120         | 5169.280 | 5210.400 | ---        | PASS    |

|            |      |              |        |          |          |     |      |
|------------|------|--------------|--------|----------|----------|-----|------|
|            |      | 5230         | 40.880 | 5209.680 | 5250.560 | --- | PASS |
|            |      | 5270         | 41.920 | 5249.520 | 5291.440 | --- | PASS |
|            |      | 5310         | 40.640 | 5289.600 | 5330.240 | --- | PASS |
|            |      | 5510         | 40.480 | 5489.840 | 5530.320 | --- | PASS |
|            |      | 5550         | 40.560 | 5529.840 | 5570.400 | --- | PASS |
|            |      | 5670         | 40.720 | 5649.760 | 5690.480 | --- | PASS |
|            |      | 5710         | 40.560 | 5689.840 | 5730.400 | --- | PASS |
|            |      | 5710 UNII-2C | 35.16  | 5689.840 | 5725     | --- | PASS |
|            |      | 5710 UNII-3  | 5.4    | 5725     | 5730.400 | --- | PASS |
|            |      | 5755         | 40.480 | 5734.840 | 5775.320 | --- | PASS |
|            |      | 5795         | 40.480 | 5774.840 | 5815.320 | --- | PASS |
| 11AC80SISO | Ant1 | 5210         | 82.720 | 5168.720 | 5251.440 | --- | PASS |
|            |      | 5290         | 83.040 | 5248.720 | 5331.760 | --- | PASS |
|            |      | 5530         | 82.400 | 5488.880 | 5571.280 | --- | PASS |
|            |      | 5610         | 83.040 | 5568.720 | 5651.760 | --- | PASS |
|            |      | 5690         | 83.040 | 5648.720 | 5731.760 | --- | PASS |
|            |      | 5690 UNII-2C | 76.28  | 5648.720 | 5725     | --- | PASS |
|            |      | 5690 UNII-3  | 6.76   | 5725     | 5731.760 | --- | PASS |
|            |      | 5775         | 83.200 | 5733.880 | 5817.080 | --- | PASS |

| TestMode   | Antenna | Channel [MHz]             | 26db EBW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|---------------------------|----------------|----------|----------|------------|---------|
| 11AX20SISO | Ant1    | 5180 242Tone RU61         | 21.600         | 5169.160 | 5190.760 | ---        | PASS    |
|            |         | 5200 242Tone RU61         | 27.880         | 5183.080 | 5210.960 | ---        | PASS    |
|            |         | 5240 242Tone RU61         | 22.040         | 5228.840 | 5250.880 | ---        | PASS    |
|            |         | 5260 242Tone RU61         | 21.640         | 5249.160 | 5270.800 | ---        | PASS    |
|            |         | 5280 242Tone RU61         | 21.920         | 5268.960 | 5290.880 | ---        | PASS    |
|            |         | 5320 242Tone RU61         | 21.920         | 5309.000 | 5330.920 | ---        | PASS    |
|            |         | 5500 242Tone RU61         | 21.880         | 5489.120 | 5511.000 | ---        | PASS    |
|            |         | 5580 242Tone RU61         | 21.920         | 5569.080 | 5591.000 | ---        | PASS    |
|            |         | 5700 242Tone RU61         | 21.880         | 5689.080 | 5710.960 | ---        | PASS    |
|            |         | 5720 242Tone RU61         | 21.880         | 5709.040 | 5730.920 | ---        | PASS    |
|            |         | 5720 242Tone RU61 UNII-2C | 15.96          | 5709.040 | 5725     | ---        | PASS    |
|            |         | 5720 242Tone RU61 UNII-3  | 5.92           | 5725     | 5730.920 | ---        | PASS    |
|            |         | 5745 242Tone RU61         | 21.800         | 5734.120 | 5755.920 | ---        | PASS    |
|            |         | 5785 242Tone RU61         | 21.720         | 5774.160 | 5795.880 | ---        | PASS    |
| 11AX20SISO | Ant1    | 5825 242Tone RU61         | 21.920         | 5814.080 | 5836.000 | ---        | PASS    |
|            |         | 5180 26Tone RU0           | 20.000         | 5169.400 | 5189.400 | ---        | PASS    |
|            |         | 5200 26Tone RU4           | 19.440         | 5190.000 | 5209.440 | ---        | PASS    |
|            |         | 5240 26Tone RU8           | 20.440         | 5230.320 | 5250.760 | ---        | PASS    |
|            |         | 5260 26Tone RU0           | 19.760         | 5249.360 | 5269.120 | ---        | PASS    |
|            |         | 5280 26Tone RU4           | 19.440         | 5269.960 | 5289.400 | ---        | PASS    |
|            |         | 5320 26Tone RU8           | 20.760         | 5309.960 | 5330.720 | ---        | PASS    |
|            |         | 5500 26Tone RU0           | 20.120         | 5489.280 | 5509.400 | ---        | PASS    |
|            |         | 5580 26Tone RU4           | 19.520         | 5570.000 | 5589.520 | ---        | PASS    |
|            |         | 5700 26Tone RU8           | 20.640         | 5690.040 | 5710.680 | ---        | PASS    |
|            |         | 5720 26Tone RU8           | 20.640         | 5710.120 | 5730.760 | ---        | PASS    |
|            |         | 5720 26Tone RU8 UNII-2C   | 14.88          | 5710.120 | 5725     | ---        | PASS    |
|            |         | 5720 26Tone RU8 UNII-3    | 5.76           | 5725     | 5730.760 | ---        | PASS    |
|            |         | 5745 26Tone RU0           | 20.320         | 5734.200 | 5754.520 | ---        | PASS    |
|            |         | 5785 26Tone RU4           | 19.280         | 5775.120 | 5794.400 | ---        | PASS    |
| 11AX20SISO | Ant1    | 5825 26Tone RU8           | 20.640         | 5815.160 | 5835.800 | ---        | PASS    |
|            |         | 5180 52Tone RU37          | 20.320         | 5169.440 | 5189.760 | ---        | PASS    |
|            |         | 5200 52Tone RU38          | 19.920         | 5189.680 | 5209.600 | ---        | PASS    |
|            |         | 5240 52Tone RU40          | 21.160         | 5229.640 | 5250.800 | ---        | PASS    |
|            |         | 5260 52Tone RU37          | 20.200         | 5249.360 | 5269.560 | ---        | PASS    |
|            |         | 5280 52Tone RU38          | 20.120         | 5269.680 | 5289.800 | ---        | PASS    |
|            |         | 5320 52Tone RU40          | 21.080         | 5309.640 | 5330.720 | ---        | PASS    |
|            |         | 5500 52Tone RU37          | 20.560         | 5489.200 | 5509.760 | ---        | PASS    |
|            |         | 5580 52Tone RU38          | 20.200         | 5569.640 | 5589.840 | ---        | PASS    |
|            |         | 5700 52Tone RU40          | 21.200         | 5689.680 | 5710.880 | ---        | PASS    |
|            |         | 5720 52Tone RU40          | 21.280         | 5709.720 | 5731.000 | ---        | PASS    |

|            |      |                           |        |          |          |     |      |
|------------|------|---------------------------|--------|----------|----------|-----|------|
|            |      | 5720 52Tone RU40 UNII-2C  | 15.28  | 5709.720 | 5725     | --- | PASS |
|            |      | 5720 52Tone RU40 UNII-3   | 6      | 5725     | 5731.000 | --- | PASS |
|            |      | 5745 52Tone RU37          | 20.520 | 5734.080 | 5754.600 | --- | PASS |
|            |      | 5785 52Tone RU38          | 19.640 | 5774.840 | 5794.480 | --- | PASS |
|            |      | 5825 52Tone RU40          | 21.240 | 5814.680 | 5835.920 | --- | PASS |
| 11AX20SISO | Ant1 | 5180 106Tone RU53         | 21.040 | 5169.320 | 5190.360 | --- | PASS |
|            |      | 5200 106Tone RU53         | 20.760 | 5189.320 | 5210.080 | --- | PASS |
|            |      | 5240 106Tone RU54         | 21.560 | 5229.360 | 5250.920 | --- | PASS |
|            |      | 5260 106Tone RU53         | 20.840 | 5249.320 | 5270.160 | --- | PASS |
|            |      | 5280 106Tone RU53         | 21.040 | 5269.240 | 5290.280 | --- | PASS |
|            |      | 5320 106Tone RU54         | 21.400 | 5309.400 | 5330.800 | --- | PASS |
|            |      | 5500 106Tone RU53         | 21.120 | 5489.160 | 5510.280 | --- | PASS |
|            |      | 5580 106Tone RU53         | 21.080 | 5569.240 | 5590.320 | --- | PASS |
|            |      | 5700 106Tone RU54         | 21.480 | 5689.400 | 5710.880 | --- | PASS |
|            |      | 5720 106Tone RU54         | 21.440 | 5709.400 | 5730.840 | --- | PASS |
|            |      | 5720 106Tone RU54 UNII-2C | 15.6   | 5709.400 | 5725     | --- | PASS |
|            |      | 5720 106Tone RU54 UNII-3  | 5.84   | 5725     | 5730.840 | --- | PASS |
|            |      | 5745 106Tone RU53         | 21.120 | 5734.160 | 5755.280 | --- | PASS |
|            |      | 5785 106Tone RU53         | 20.960 | 5774.240 | 5795.200 | --- | PASS |
|            |      | 5825 106Tone RU54         | 21.360 | 5814.440 | 5835.800 | --- | PASS |

| TestMode   | Antenna | Channel [MHz]             | 26db EBW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|---------------------------|----------------|----------|----------|------------|---------|
| 11AX40SISO | Ant1    | 5190_484Tone_R65          | 40.560         | 5169.840 | 5210.400 | ---        | PASS    |
|            |         | 5230_484Tone_R65          | 40.480         | 5209.920 | 5250.400 | ---        | PASS    |
|            |         | 5270_484Tone_R65          | 40.640         | 5249.760 | 5290.400 | ---        | PASS    |
|            |         | 5310_484Tone_R65          | 40.560         | 5289.840 | 5330.400 | ---        | PASS    |
|            |         | 5510_484Tone_R65          | 40.800         | 5489.680 | 5530.480 | ---        | PASS    |
|            |         | 5550_484Tone_R65          | 40.480         | 5529.920 | 5570.400 | ---        | PASS    |
|            |         | 5670_484Tone_R65          | 40.640         | 5649.760 | 5690.400 | ---        | PASS    |
|            |         | 5710_484Tone_R65          | 40.640         | 5689.760 | 5730.400 | ---        | PASS    |
|            |         | 5710_484Tone_R65_UNII-2C  | 35.24          | 5689.760 | 5725     | ---        | PASS    |
|            |         | 5710_484Tone_R65_UNII-3   | 5.4            | 5725     | 5730.400 | ---        | PASS    |
|            |         | 5755_484Tone_R65          | 40.560         | 5734.840 | 5775.400 | ---        | PASS    |
|            |         | 5795_484Tone_R65          | 40.480         | 5774.920 | 5815.400 | ---        | PASS    |
| 11AX40SISO | Ant1    | 5190_26Tone_RU0           | 20.480         | 5169.920 | 5190.400 | ---        | PASS    |
|            |         | 5230_26Tone_RU17          | 20.400         | 5229.840 | 5250.240 | ---        | PASS    |
|            |         | 5270_26Tone_RU0           | 20.480         | 5249.920 | 5270.400 | ---        | PASS    |
|            |         | 5310_26Tone_RU17          | 20.240         | 5310.000 | 5330.240 | ---        | PASS    |
|            |         | 5510_26Tone_RU0           | 20.560         | 5489.920 | 5510.480 | ---        | PASS    |
|            |         | 5550_26Tone_RU8           | 23.920         | 5530.720 | 5554.640 | ---        | PASS    |
|            |         | 5670_26Tone_R17           | 20.720         | 5669.520 | 5690.240 | ---        | PASS    |
|            |         | 5710_26Tone_RU17          | 20.480         | 5709.840 | 5730.320 | ---        | PASS    |
|            |         | 5710_26Tone_RU17_UNII-2C  | 15.16          | 5709.840 | 5725     | ---        | PASS    |
|            |         | 5710_26Tone_RU17_UNII-3   | 5.32           | 5725     | 5730.320 | ---        | PASS    |
|            |         | 5755_26Tone_RU0           | 20.640         | 5734.840 | 5755.480 | ---        | PASS    |
|            |         | 5795_26Tone_RU17          | 21.040         | 5794.280 | 5815.320 | ---        | PASS    |
| 11AX40SISO | Ant1    | 5190_52Tone_RU37          | 21.600         | 5169.920 | 5191.520 | ---        | PASS    |
|            |         | 5230_52Tone_RU44          | 22.320         | 5228.000 | 5250.320 | ---        | PASS    |
|            |         | 5270_52Tone_RU37          | 21.600         | 5249.920 | 5271.520 | ---        | PASS    |
|            |         | 5310_52Tone_RU44          | 22.320         | 5308.000 | 5330.320 | ---        | PASS    |
|            |         | 5510_52Tone_RU37          | 21.760         | 5489.760 | 5511.520 | ---        | PASS    |
|            |         | 5550_52Tone_RU40          | 25.520         | 5530.560 | 5556.080 | ---        | PASS    |
|            |         | 5670_52Tone_RU44          | 22.000         | 5668.240 | 5690.240 | ---        | PASS    |
|            |         | 5710_52Tone_RU44          | 21.440         | 5708.800 | 5730.240 | ---        | PASS    |
|            |         | 5710_52Tone_RU44_UNII-2C  | 16.2           | 5708.800 | 5725     | ---        | PASS    |
|            |         | 5710_52Tone_RU44_UNII-3   | 5.24           | 5725     | 5730.240 | ---        | PASS    |
|            |         | 5755_52Tone_RU37          | 21.840         | 5734.760 | 5756.600 | ---        | PASS    |
|            |         | 5795_52Tone_RU44          | 22.160         | 5793.080 | 5815.240 | ---        | PASS    |
| 11AX40SISO | Ant1    | 5190_106Tone_RU53         | 24.480         | 5169.840 | 5194.320 | ---        | PASS    |
|            |         | 5230_106Tone_RU56         | 24.560         | 5225.600 | 5250.160 | ---        | PASS    |
|            |         | 5270_106Tone_RU53         | 24.000         | 5249.920 | 5273.920 | ---        | PASS    |
|            |         | 5310_106Tone_RU56         | 24.720         | 5305.520 | 5330.240 | ---        | PASS    |
|            |         | 5510_106Tone_RU53         | 23.920         | 5489.840 | 5513.760 | ---        | PASS    |
|            |         | 5550_106Tone_RU54         | 26.800         | 5530.320 | 5557.120 | ---        | PASS    |
|            |         | 5670_106Tone_RU56         | 25.520         | 5664.800 | 5690.320 | ---        | PASS    |
|            |         | 5710_106Tone_RU56         | 24.800         | 5705.520 | 5730.320 | ---        | PASS    |
|            |         | 5710_106Tone_RU56_UNII-2C | 19.48          | 5705.520 | 5725     | ---        | PASS    |
|            |         | 5710_106Tone_RU56_UNII-3  | 5.32           | 5725     | 5730.320 | ---        | PASS    |
|            |         | 5755_106Tone_RU53         | 23.760         | 5734.760 | 5758.520 | ---        | PASS    |
|            |         | 5795_106Tone_RU56         | 24.960         | 5790.360 | 5815.320 | ---        | PASS    |
| 11AX40SISO | Ant1    | 5190_242Tone_RU61         | 30.480         | 5169.840 | 5200.320 | ---        | PASS    |
|            |         | 5230_242Tone_RU62         | 31.280         | 5219.040 | 5250.320 | ---        | PASS    |
|            |         | 5270_242Tone_RU61         | 32.240         | 5249.760 | 5282.000 | ---        | PASS    |
|            |         | 5310_242Tone_RU62         | 30.160         | 5300.080 | 5330.240 | ---        | PASS    |
|            |         | 5510_242Tone_RU61         | 34.560         | 5489.760 | 5524.320 | ---        | PASS    |
|            |         | 5550_242Tone_RU61         | 32.880         | 5529.760 | 5562.640 | ---        | PASS    |
|            |         | 5670_242Tone_RU62         | 32.480         | 5657.760 | 5690.240 | ---        | PASS    |
|            |         | 5710_242Tone_RU62         | 29.600         | 5700.720 | 5730.320 | ---        | PASS    |
|            |         | 5710_242Tone_RU62_UNII-2C | 24.28          | 5700.720 | 5725     | ---        | PASS    |
|            |         | 5710_242Tone_RU62_UNII-3  | 5.32           | 5725     | 5730.320 | ---        | PASS    |
|            |         | 5755_242Tone_RU61         | 33.120         | 5734.760 | 5767.880 | ---        | PASS    |
|            |         | 5795_242Tone_RU62         | 33.760         | 5781.640 | 5815.400 | ---        | PASS    |

| TestMode   | Antenna | Channel [MHz]             | 26db EBW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|---------------------------|----------------|----------|----------|------------|---------|
| 11AX80SISO | Ant1    | 5210_996Tone_R67          | 82.400         | 5168.720 | 5251.120 | ---        | PASS    |
|            |         | 5290_996Tone_R67          | 82.240         | 5248.880 | 5331.120 | ---        | PASS    |
|            |         | 5530_996Tone_R67          | 82.080         | 5489.040 | 5571.120 | ---        | PASS    |
|            |         | 5610_996Tone_R67          | 82.080         | 5569.040 | 5651.120 | ---        | PASS    |
|            |         | 5690_996Tone_R67          | 82.240         | 5649.040 | 5731.280 | ---        | PASS    |
|            |         | 5690_996Tone_R67_UNII-2C  | 75.96          | 5649.040 | 5725     | ---        | PASS    |
|            |         | 5690_996Tone_R67_UNII-3   | 6.28           | 5725     | 5731.280 | ---        | PASS    |
|            |         | 5775_996Tone_R67          | 82.240         | 5734.040 | 5816.280 | ---        | PASS    |
| 11AX80SISO | Ant1    | 5210_26Tone_RU0           | 22.240         | 5168.880 | 5191.120 | ---        | PASS    |
|            |         | 5290_26Tone_RU36          | 23.840         | 5307.280 | 5331.120 | ---        | PASS    |
|            |         | 5530_26Tone_RU0           | 21.760         | 5489.040 | 5510.800 | ---        | PASS    |
|            |         | 5610_26Tone_RU8           | 23.520         | 5627.600 | 5651.120 | ---        | PASS    |
|            |         | 5690_26Tone_RU36          | 23.040         | 5708.240 | 5731.280 | ---        | PASS    |
|            |         | 5690_26Tone_RU36_UNII-2C  | 16.76          | 5708.240 | 5725     | ---        | PASS    |
|            |         | 5690_26Tone_RU36_UNII-3   | 6.28           | 5725     | 5731.280 | ---        | PASS    |
|            |         | 5775_26Tone_RU0           | 21.600         | 5734.200 | 5755.800 | ---        | PASS    |
| 11AX80SISO | Ant1    | 5210_52Tone_RU37          | 22.880         | 5169.040 | 5191.920 | ---        | PASS    |
|            |         | 5290_52Tone_RU52          | 25.440         | 5305.840 | 5331.280 | ---        | PASS    |
|            |         | 5530_52Tone_RU37          | 22.880         | 5489.040 | 5511.920 | ---        | PASS    |
|            |         | 5610_52Tone_RU40          | 24.960         | 5626.320 | 5651.280 | ---        | PASS    |
|            |         | 5690_52Tone_RU52          | 24.320         | 5707.120 | 5731.440 | ---        | PASS    |
|            |         | 5690_52Tone_RU52_UNII-2C  | 17.88          | 5707.120 | 5725     | ---        | PASS    |
|            |         | 5690_52Tone_RU52_UNII-3   | 6.44           | 5725     | 5731.440 | ---        | PASS    |
|            |         | 5775_52Tone_RU37          | 23.360         | 5733.720 | 5757.080 | ---        | PASS    |
| 11AX80SISO | Ant1    | 5210_106Tone_RU53         | 24.320         | 5169.200 | 5193.520 | ---        | PASS    |
|            |         | 5290_106Tone_RU60         | 30.240         | 5301.040 | 5331.280 | ---        | PASS    |
|            |         | 5530_106Tone_RU53         | 24.640         | 5489.200 | 5513.840 | ---        | PASS    |
|            |         | 5610_106Tone_RU54         | 28.640         | 5622.480 | 5651.120 | ---        | PASS    |
|            |         | 5690_106Tone_RU60         | 26.880         | 5704.560 | 5731.440 | ---        | PASS    |
|            |         | 5690_106Tone_RU60_UNII-2C | 20.44          | 5704.560 | 5725     | ---        | PASS    |
|            |         | 5690_106Tone_RU60_UNII-3  | 6.44           | 5725     | 5731.440 | ---        | PASS    |
|            |         | 5690_106Tone_RU53         | 24.960         | 5733.720 | 5758.680 | ---        | PASS    |
| 11AX80SISO | Ant1    | 5210_242Tone_RU61         | 37.280         | 5168.720 | 5206.000 | ---        | PASS    |
|            |         | 5290_242Tone_RU64         | 32.320         | 5298.960 | 5331.280 | ---        | PASS    |
|            |         | 5530_242Tone_RU61         | 34.880         | 5488.720 | 5523.600 | ---        | PASS    |
|            |         | 5610_242Tone_RU61         | 41.600         | 5609.840 | 5651.440 | ---        | PASS    |
|            |         | 5690_242Tone_RU64         | 31.360         | 5699.920 | 5731.280 | ---        | PASS    |
|            |         | 5690_242Tone_RU64_UNII-2C | 25.08          | 5699.920 | 5725     | ---        | PASS    |
|            |         | 5690_242Tone_RU64_UNII-3  | 6.28           | 5725     | 5731.280 | ---        | PASS    |
|            |         | 5775_242Tone_RU61         | 35.520         | 5733.880 | 5769.400 | ---        | PASS    |
| 11AX80SISO | Ant1    | 5210_484Tone_RU65         | 56.640         | 5168.720 | 5225.360 | ---        | PASS    |
|            |         | 5290_484Tone_RU66         | 59.520         | 5271.600 | 5331.120 | ---        | PASS    |
|            |         | 5530_484Tone_RU65         | 56.000         | 5488.880 | 5544.880 | ---        | PASS    |
|            |         | 5610_484Tone_RU65         | 59.200         | 5592.080 | 5651.280 | ---        | PASS    |
|            |         | 5690_484Tone_RU66         | 58.880         | 5672.400 | 5731.280 | ---        | PASS    |
|            |         | 5690_484Tone_RU66_UNII-2C | 52.6           | 5672.400 | 5725     | ---        | PASS    |
|            |         | 5690_484Tone_RU66_UNII-3  | 6.28           | 5725     | 5731.280 | ---        | PASS    |
|            |         | 5775_484Tone_RU65         | 56.320         | 5733.880 | 5790.200 | ---        | PASS    |

| TestMode   | Antenna | Channel [MHz] | 26db EBW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|---------------|----------------|----------|----------|------------|---------|
| 11A        | Ant2    | 5180          | 20.680         | 5169.720 | 5190.400 | ---        | PASS    |
|            |         | 5200          | 20.760         | 5189.680 | 5210.440 | ---        | PASS    |
|            |         | 5240          | 20.760         | 5229.600 | 5250.360 | ---        | PASS    |
|            |         | 5260          | 20.680         | 5249.760 | 5270.440 | ---        | PASS    |
|            |         | 5280          | 20.720         | 5269.760 | 5290.480 | ---        | PASS    |
|            |         | 5320          | 20.880         | 5309.640 | 5330.520 | ---        | PASS    |
|            |         | 5500          | 20.720         | 5489.560 | 5510.280 | ---        | PASS    |
|            |         | 5580          | 20.920         | 5569.520 | 5590.440 | ---        | PASS    |
|            |         | 5700          | 20.680         | 5689.800 | 5710.480 | ---        | PASS    |
|            |         | 5720          | 20.880         | 5709.560 | 5730.440 | ---        | PASS    |
|            |         | 5720 UNII-2C  | 15.44          | 5709.560 | 5725     | ---        | PASS    |
|            |         | 5720 UNII-3   | 5.44           | 5725     | 5730.440 | ---        | PASS    |
|            |         | 5745          | 20.720         | 5734.720 | 5755.440 | ---        | PASS    |
|            |         | 5785          | 20.640         | 5774.800 | 5795.440 | ---        | PASS    |
|            |         | 5825          | 20.480         | 5814.760 | 5835.240 | ---        | PASS    |
| 11N20SISO  | Ant2    | 5180          | 21.200         | 5169.400 | 5190.600 | ---        | PASS    |
|            |         | 5200          | 20.840         | 5189.680 | 5210.520 | ---        | PASS    |
|            |         | 5240          | 20.880         | 5229.480 | 5250.360 | ---        | PASS    |
|            |         | 5260          | 21.040         | 5249.480 | 5270.520 | ---        | PASS    |
|            |         | 5280          | 20.720         | 5269.720 | 5290.440 | ---        | PASS    |
|            |         | 5320          | 20.960         | 5309.600 | 5330.560 | ---        | PASS    |
|            |         | 5500          | 21.240         | 5489.360 | 5510.600 | ---        | PASS    |
|            |         | 5580          | 20.920         | 5569.640 | 5590.560 | ---        | PASS    |
|            |         | 5700          | 21.120         | 5689.400 | 5710.520 | ---        | PASS    |
|            |         | 5720          | 20.960         | 5709.400 | 5730.360 | ---        | PASS    |
|            |         | 5720 UNII-2C  | 15.6           | 5709.400 | 5725     | ---        | PASS    |
|            |         | 5720 UNII-3   | 5.36           | 5725     | 5730.360 | ---        | PASS    |
|            |         | 5745          | 20.960         | 5734.560 | 5755.520 | ---        | PASS    |
|            |         | 5785          | 21.080         | 5774.640 | 5795.720 | ---        | PASS    |
|            |         | 5825          | 20.880         | 5814.680 | 5835.560 | ---        | PASS    |
| 11N40SISO  | Ant2    | 5190          | 40.480         | 5169.840 | 5210.320 | ---        | PASS    |
|            |         | 5230          | 40.560         | 5209.840 | 5250.400 | ---        | PASS    |
|            |         | 5270          | 40.640         | 5249.760 | 5290.400 | ---        | PASS    |
|            |         | 5310          | 40.560         | 5289.840 | 5330.400 | ---        | PASS    |
|            |         | 5510          | 40.880         | 5489.600 | 5530.480 | ---        | PASS    |
|            |         | 5550          | 40.720         | 5529.840 | 5570.560 | ---        | PASS    |
|            |         | 5670          | 40.560         | 5649.840 | 5690.400 | ---        | PASS    |
|            |         | 5710          | 40.720         | 5689.760 | 5730.480 | ---        | PASS    |
|            |         | 5710 UNII-2C  | 35.24          | 5689.760 | 5725     | ---        | PASS    |
|            |         | 5710 UNII-3   | 5.48           | 5725     | 5730.480 | ---        | PASS    |
|            |         | 5755          | 40.560         | 5734.840 | 5775.400 | ---        | PASS    |
|            |         | 5795          | 40.320         | 5774.920 | 5815.240 | ---        | PASS    |
|            |         | 5180          | 20.800         | 5169.600 | 5190.400 | ---        | PASS    |
|            |         | 5200          | 21.120         | 5189.520 | 5210.640 | ---        | PASS    |
|            |         | 5240          | 20.840         | 5229.640 | 5250.480 | ---        | PASS    |
| 11AC20SISO | Ant2    | 5260          | 20.880         | 5249.720 | 5270.600 | ---        | PASS    |
|            |         | 5280          | 20.880         | 5269.640 | 5290.520 | ---        | PASS    |
|            |         | 5320          | 20.920         | 5309.640 | 5330.560 | ---        | PASS    |
|            |         | 5500          | 20.840         | 5489.640 | 5510.480 | ---        | PASS    |
|            |         | 5580          | 20.920         | 5569.640 | 5590.560 | ---        | PASS    |
|            |         | 5700          | 21.040         | 5689.560 | 5710.600 | ---        | PASS    |
|            |         | 5720          | 20.960         | 5709.560 | 5730.520 | ---        | PASS    |
|            |         | 5720 UNII-2C  | 15.44          | 5709.560 | 5725     | ---        | PASS    |
|            |         | 5720 UNII-3   | 5.52           | 5725     | 5730.520 | ---        | PASS    |
|            |         | 5745          | 20.920         | 5734.680 | 5755.600 | ---        | PASS    |
|            |         | 5785          | 20.840         | 5774.600 | 5795.440 | ---        | PASS    |
|            |         | 5825          | 20.960         | 5814.760 | 5835.720 | ---        | PASS    |
|            |         | 5190          | 40.480         | 5169.840 | 5210.320 | ---        | PASS    |
|            |         | 5230          | 40.480         | 5209.840 | 5250.320 | ---        | PASS    |
|            |         | 5270          | 47.280         | 5249.840 | 5297.120 | ---        | PASS    |
| 11AC40SISO | Ant2    | 5310          | 40.640         | 5289.760 | 5330.400 | ---        | PASS    |

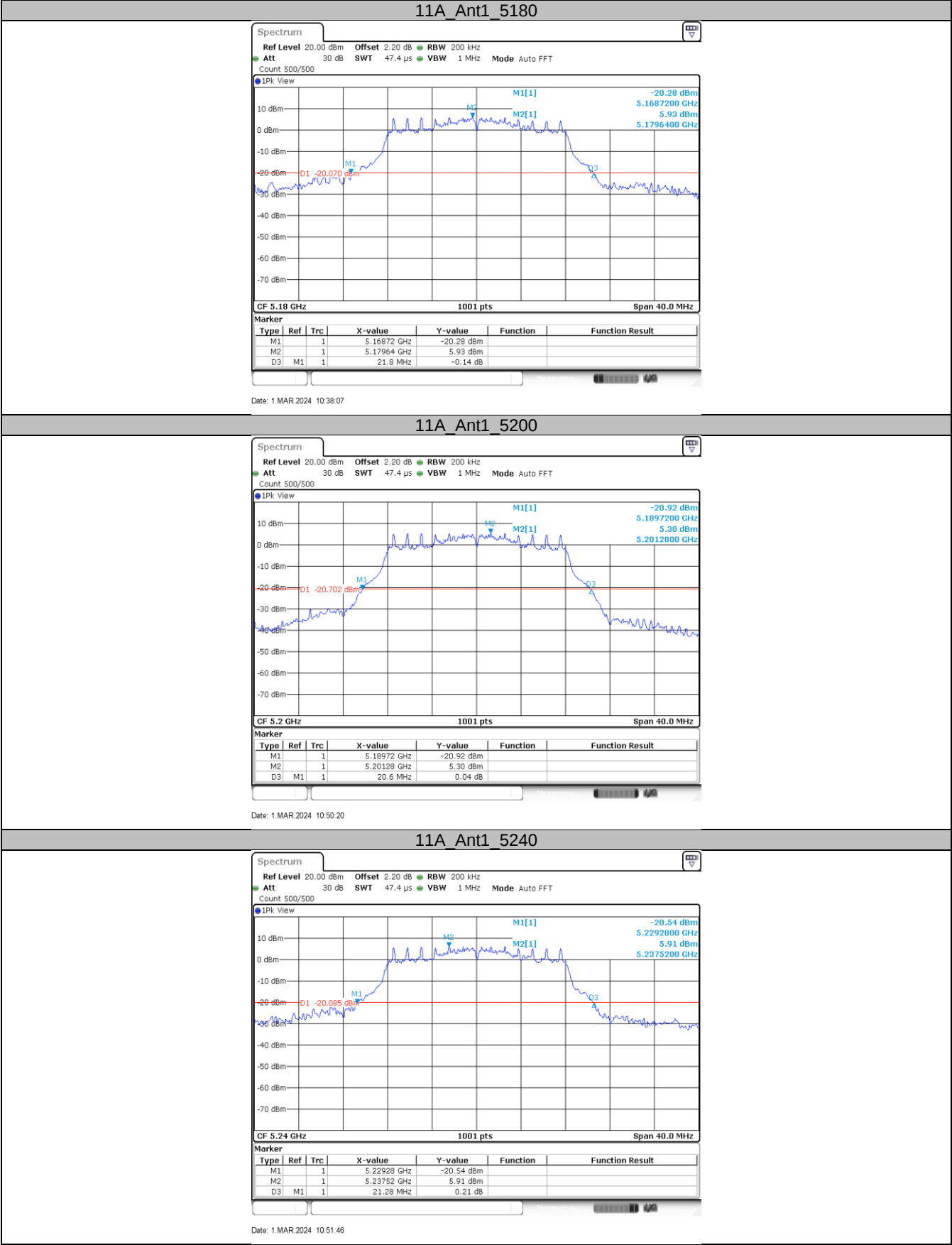
|            |      |              |        |          |          |     |      |
|------------|------|--------------|--------|----------|----------|-----|------|
|            |      | 5510         | 40.800 | 5489.760 | 5530.560 | --- | PASS |
|            |      | 5550         | 40.880 | 5529.600 | 5570.480 | --- | PASS |
|            |      | 5670         | 40.800 | 5649.600 | 5690.400 | --- | PASS |
|            |      | 5710         | 40.960 | 5689.520 | 5730.480 | --- | PASS |
|            |      | 5710 UNII-2C | 35.48  | 5689.520 | 5725     | --- | PASS |
|            |      | 5710 UNII-3  | 5.48   | 5725     | 5730.480 | --- | PASS |
|            |      | 5755         | 40.560 | 5734.840 | 5775.400 | --- | PASS |
|            |      | 5795         | 40.560 | 5774.760 | 5815.320 | --- | PASS |
| 11AC80SISO | Ant2 | 5210         | 82.720 | 5168.560 | 5251.280 | --- | PASS |
|            |      | 5290         | 82.720 | 5248.880 | 5331.600 | --- | PASS |
|            |      | 5530         | 82.400 | 5489.040 | 5571.440 | --- | PASS |
|            |      | 5610         | 83.360 | 5568.560 | 5651.920 | --- | PASS |
|            |      | 5690         | 83.200 | 5648.720 | 5731.920 | --- | PASS |
|            |      | 5690 UNII-2C | 76.28  | 5648.720 | 5725     | --- | PASS |
|            |      | 5690 UNII-3  | 6.92   | 5725     | 5731.920 | --- | PASS |
|            |      | 5775         | 82.400 | 5733.880 | 5816.280 | --- | PASS |

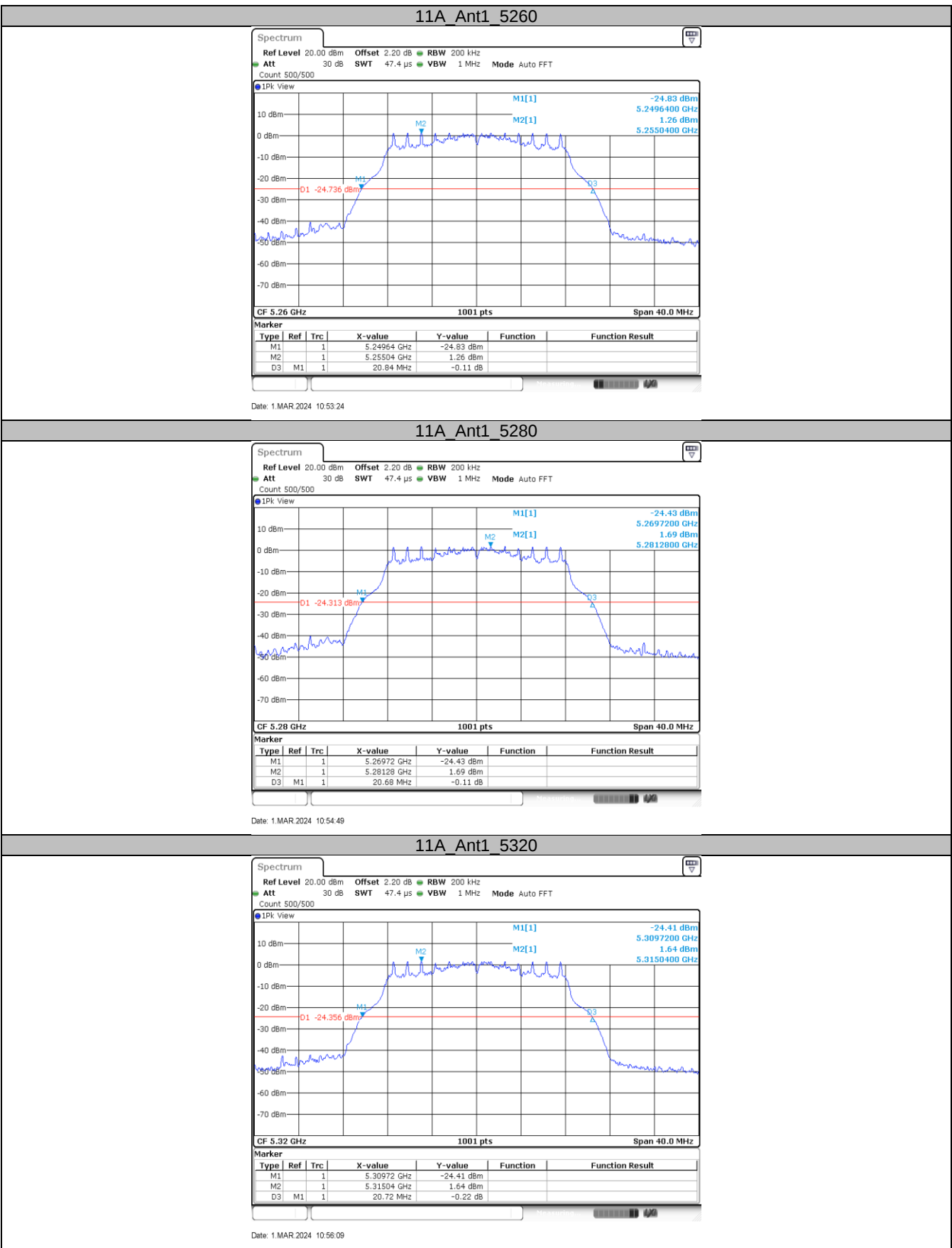
| TestMode   | Antenna | Channel [MHz]             | 26db EBW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|---------------------------|----------------|----------|----------|------------|---------|
| 11AX20SISO | Ant2    | 5180 242Tone RU61         | 21.840         | 5169.000 | 5190.840 | ---        | PASS    |
|            |         | 5200 242Tone RU61         | 22.000         | 5188.960 | 5210.960 | ---        | PASS    |
|            |         | 5240 242Tone RU61         | 21.880         | 5228.960 | 5250.840 | ---        | PASS    |
|            |         | 5260 242Tone RU61         | 21.760         | 5249.120 | 5270.880 | ---        | PASS    |
|            |         | 5280 242Tone RU61         | 21.840         | 5269.000 | 5290.840 | ---        | PASS    |
|            |         | 5320 242Tone RU61         | 21.880         | 5309.000 | 5330.880 | ---        | PASS    |
|            |         | 5500 242Tone RU61         | 22.280         | 5488.720 | 5511.000 | ---        | PASS    |
|            |         | 5580 242Tone RU61         | 22.240         | 5568.720 | 5590.960 | ---        | PASS    |
|            |         | 5700 242Tone RU61         | 22.200         | 5688.760 | 5710.960 | ---        | PASS    |
|            |         | 5720 242Tone RU61         | 22.160         | 5708.800 | 5730.960 | ---        | PASS    |
|            |         | 5720 242Tone RU61 UNII-2C | 16.2           | 5708.800 | 5725     | ---        | PASS    |
|            |         | 5720 242Tone RU61 UNII-3  | 5.96           | 5725     | 5730.960 | ---        | PASS    |
|            |         | 5745 242Tone RU61         | 21.960         | 5734.000 | 5755.960 | ---        | PASS    |
|            |         | 5785 242Tone RU61         | 21.840         | 5774.120 | 5795.960 | ---        | PASS    |
| 11AX20SISO | Ant2    | 5825 242Tone RU61         | 21.840         | 5814.040 | 5835.880 | ---        | PASS    |
|            |         | 5180 26Tone RU0           | 20.000         | 5169.360 | 5189.360 | ---        | PASS    |
|            |         | 5200 26Tone RU4           | 19.400         | 5190.040 | 5209.440 | ---        | PASS    |
|            |         | 5240 26Tone RU8           | 20.560         | 5230.160 | 5250.720 | ---        | PASS    |
|            |         | 5260 26Tone RU0           | 20.000         | 5249.360 | 5269.360 | ---        | PASS    |
|            |         | 5280 26Tone RU4           | 19.200         | 5270.120 | 5289.320 | ---        | PASS    |
|            |         | 5320 26Tone RU8           | 20.600         | 5310.120 | 5330.720 | ---        | PASS    |
|            |         | 5500 26Tone RU0           | 20.040         | 5489.280 | 5509.320 | ---        | PASS    |
|            |         | 5580 26Tone RU4           | 19.400         | 5570.120 | 5589.520 | ---        | PASS    |
|            |         | 5700 26Tone RU8           | 20.520         | 5690.200 | 5710.720 | ---        | PASS    |
| 11AX20SISO | Ant2    | 5745 26Tone RU0           | 20.080         | 5734.280 | 5754.360 | ---        | PASS    |
|            |         | 5785 26Tone RU4           | 19.160         | 5775.200 | 5794.360 | ---        | PASS    |
|            |         | 5825 26Tone RU8           | 20.560         | 5815.120 | 5835.680 | ---        | PASS    |
|            |         | 5180 52Tone RU37          | 20.480         | 5169.280 | 5189.760 | ---        | PASS    |
|            |         | 5200 52Tone RU38          | 20.280         | 5189.600 | 5209.880 | ---        | PASS    |
|            |         | 5240 52Tone RU40          | 21.040         | 5229.720 | 5250.760 | ---        | PASS    |
|            |         | 5260 52Tone RU37          | 20.440         | 5249.320 | 5269.760 | ---        | PASS    |
|            |         | 5280 52Tone RU38          | 20.080         | 5269.680 | 5289.760 | ---        | PASS    |
|            |         | 5320 52Tone RU40          | 21.240         | 5309.680 | 5330.920 | ---        | PASS    |
|            |         | 5500 52Tone RU37          | 20.600         | 5489.200 | 5509.800 | ---        | PASS    |
| 11AX20SISO | Ant2    | 5580 52Tone RU38          | 20.080         | 5569.680 | 5589.760 | ---        | PASS    |
|            |         | 5700 52Tone RU40          | 21.120         | 5689.720 | 5710.840 | ---        | PASS    |
|            |         | 5745 52Tone RU37          | 20.640         | 5734.120 | 5754.760 | ---        | PASS    |
|            |         | 5785 52Tone RU38          | 20.000         | 5774.720 | 5794.720 | ---        | PASS    |
|            |         | 5825 52Tone RU40          | 21.160         | 5814.600 | 5835.760 | ---        | PASS    |
|            |         | 5180 106Tone RU53         | 21.120         | 5169.080 | 5190.200 | ---        | PASS    |
|            |         | 5200 106Tone RU53         | 20.960         | 5189.240 | 5210.200 | ---        | PASS    |
|            |         | 5240 106Tone RU54         | 21.400         | 5229.360 | 5250.760 | ---        | PASS    |
|            |         | 5260 106Tone RU53         | 21.000         | 5249.280 | 5270.280 | ---        | PASS    |
|            |         | 5280 106Tone RU53         | 21.080         | 5269.160 | 5290.240 | ---        | PASS    |
|            |         | 5320 106Tone RU54         | 21.400         | 5309.400 | 5330.800 | ---        | PASS    |
|            |         | 5500 106Tone RU53         | 20.800         | 5489.360 | 5510.160 | ---        | PASS    |
|            |         | 5580 106Tone RU53         | 20.880         | 5569.240 | 5590.120 | ---        | PASS    |
|            |         | 5700 106Tone RU54         | 21.520         | 5689.360 | 5710.880 | ---        | PASS    |
|            |         | 5745 106Tone RU53         | 20.800         | 5734.400 | 5755.200 | ---        | PASS    |
|            |         | 5785 106Tone RU53         | 21.040         | 5774.280 | 5795.320 | ---        | PASS    |
|            |         | 5825 106Tone RU54         | 21.440         | 5814.440 | 5835.880 | ---        | PASS    |

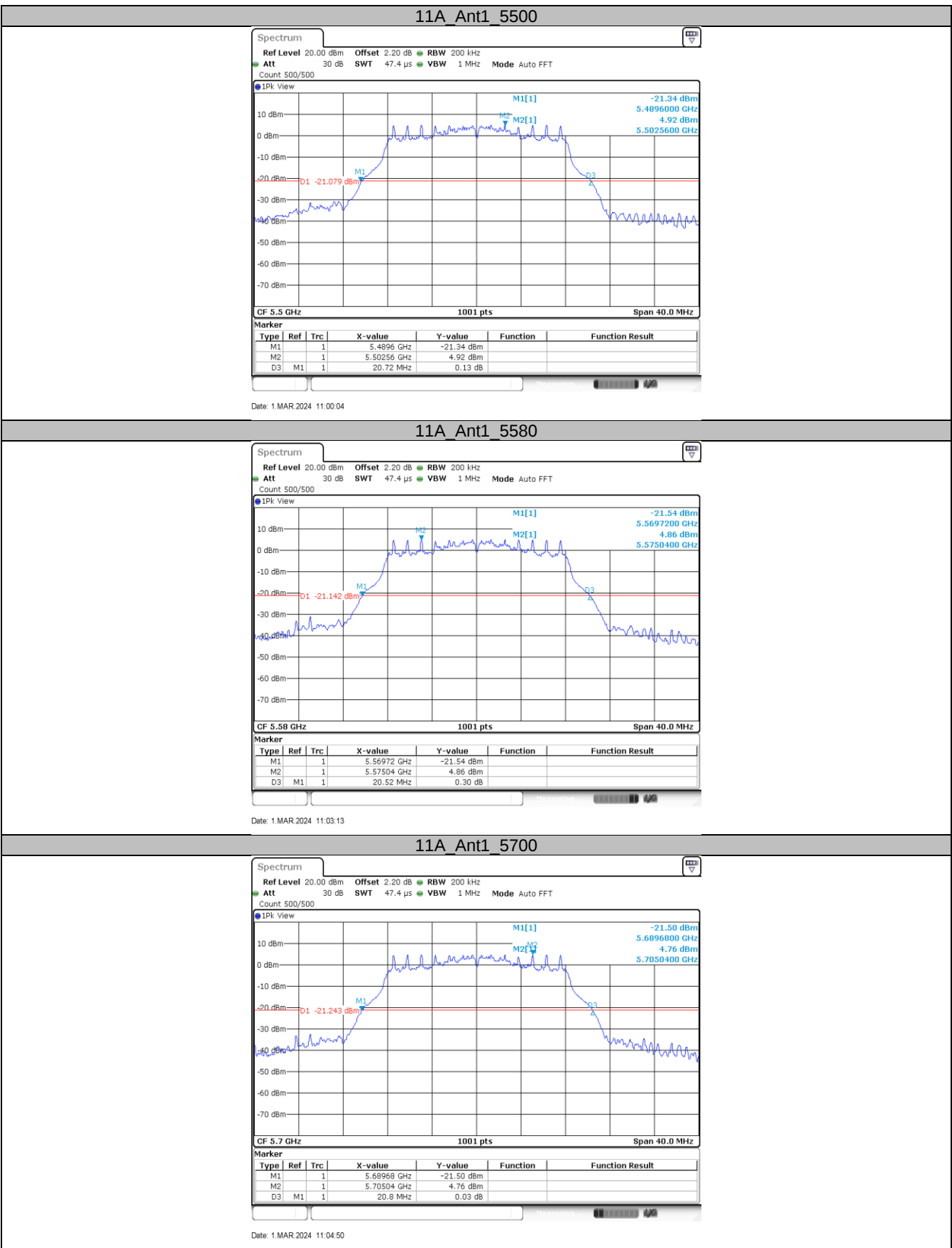
| TestMode   | Antenna | Channel[MHz]             | 26db<br>EBW<br>[MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|------------|---------|--------------------------|----------------------|----------|----------|------------|---------|
| 11AX40SISO | Ant2    | 5190 484Tone R65         | 40.640               | 5169.760 | 5210.400 | ---        | PASS    |
|            |         | 5230 484Tone R65         | 40.480               | 5209.840 | 5250.320 | ---        | PASS    |
|            |         | 5270 484Tone R65         | 40.480               | 5249.840 | 5290.320 | ---        | PASS    |
|            |         | 5310 484Tone R65         | 40.480               | 5289.840 | 5330.320 | ---        | PASS    |
|            |         | 5510 484Tone R65         | 40.480               | 5489.840 | 5530.320 | ---        | PASS    |
|            |         | 5550 484Tone R65         | 40.480               | 5529.840 | 5570.320 | ---        | PASS    |
|            |         | 5670 484Tone R65         | 40.560               | 5649.840 | 5690.400 | ---        | PASS    |
|            |         | 5710 484Tone R65         | 40.640               | 5689.760 | 5730.400 | ---        | PASS    |
|            |         | 5710 484Tone R65 UNII-2C | 35.24                | 5689.760 | 5725     | ---        | PASS    |
|            |         | 5710 484Tone R65 UNII-3  | 5.4                  | 5725     | 5730.400 | ---        | PASS    |
|            |         | 5755 484Tone R65         | 40.560               | 5734.760 | 5775.320 | ---        | PASS    |
|            |         | 5795 484Tone R65         | 40.400               | 5774.840 | 5815.240 | ---        | PASS    |
| 11AX40SISO | Ant2    | 5190 26Tone RU0          | 20.640               | 5170.000 | 5190.640 | ---        | PASS    |
|            |         | 5230 26Tone RU17         | 20.640               | 5229.600 | 5250.240 | ---        | PASS    |
|            |         | 5270 26Tone RU0          | 20.880               | 5249.920 | 5270.800 | ---        | PASS    |
|            |         | 5310 26Tone RU17         | 20.720               | 5309.600 | 5330.320 | ---        | PASS    |
|            |         | 5510 26Tone RU0          | 20.800               | 5489.920 | 5510.720 | ---        | PASS    |
|            |         | 5550 26Tone RU8          | 25.120               | 5530.640 | 5555.760 | ---        | PASS    |
|            |         | 5670 26Tone R17          | 20.640               | 5669.680 | 5690.320 | ---        | PASS    |
|            |         | 5755 26Tone RU0          | 20.880               | 5734.840 | 5755.720 | ---        | PASS    |
|            |         | 5795 26Tone RU17         | 20.800               | 5794.440 | 5815.240 | ---        | PASS    |
| 11AX40SISO | Ant2    | 5190 52Tone RU37         | 21.680               | 5169.760 | 5191.440 | ---        | PASS    |
|            |         | 5230 52Tone RU44         | 22.320               | 5227.920 | 5250.240 | ---        | PASS    |
|            |         | 5270 52Tone RU37         | 22.320               | 5249.680 | 5272.000 | ---        | PASS    |
|            |         | 5310 52Tone RU44         | 22.080               | 5308.160 | 5330.240 | ---        | PASS    |
|            |         | 5510 52Tone RU37         | 21.840               | 5489.840 | 5511.680 | ---        | PASS    |
|            |         | 5550 52Tone RU40         | 26.320               | 5530.560 | 5556.880 | ---        | PASS    |
|            |         | 5670 52Tone RU44         | 21.520               | 5668.720 | 5690.240 | ---        | PASS    |
|            |         | 5755 52Tone RU37         | 21.600               | 5734.840 | 5756.440 | ---        | PASS    |
|            |         | 5795 52Tone RU44         | 22.400               | 5792.840 | 5815.240 | ---        | PASS    |
| 11AX40SISO | Ant2    | 5190 106Tone RU53        | 24.000               | 5169.840 | 5193.840 | ---        | PASS    |
|            |         | 5230 106Tone RU56        | 24.960               | 5225.280 | 5250.240 | ---        | PASS    |
|            |         | 5270 106Tone RU53        | 24.480               | 5249.600 | 5274.080 | ---        | PASS    |
|            |         | 5310 106Tone RU56        | 24.000               | 5306.240 | 5330.240 | ---        | PASS    |
|            |         | 5510 106Tone RU53        | 23.760               | 5489.840 | 5513.600 | ---        | PASS    |
|            |         | 5550 106Tone RU54        | 28.000               | 5530.320 | 5558.320 | ---        | PASS    |
|            |         | 5670 106Tone RU56        | 24.720               | 5665.520 | 5690.240 | ---        | PASS    |
|            |         | 5755 106Tone RU53        | 23.280               | 5734.840 | 5758.120 | ---        | PASS    |
|            |         | 5795 106Tone RU56        | 24.800               | 5790.440 | 5815.240 | ---        | PASS    |
| 11AX40SISO | Ant2    | 5190 242Tone RU61        | 34.240               | 5169.760 | 5204.000 | ---        | PASS    |
|            |         | 5230 242Tone RU62        | 31.200               | 5219.200 | 5250.400 | ---        | PASS    |
|            |         | 5270 242Tone RU61        | 33.680               | 5249.920 | 5283.600 | ---        | PASS    |
|            |         | 5310 242Tone RU62        | 29.920               | 5300.480 | 5330.400 | ---        | PASS    |
|            |         | 5510 242Tone RU61        | 33.760               | 5489.840 | 5523.600 | ---        | PASS    |
|            |         | 5550 242Tone RU61        | 35.040               | 5529.840 | 5564.880 | ---        | PASS    |
|            |         | 5670 242Tone RU62        | 33.520               | 5657.120 | 5690.640 | ---        | PASS    |
|            |         | 5755 242Tone RU61        | 30.960               | 5734.840 | 5765.800 | ---        | PASS    |
|            |         | 5795 242Tone RU62        | 31.840               | 5783.400 | 5815.240 | ---        | PASS    |

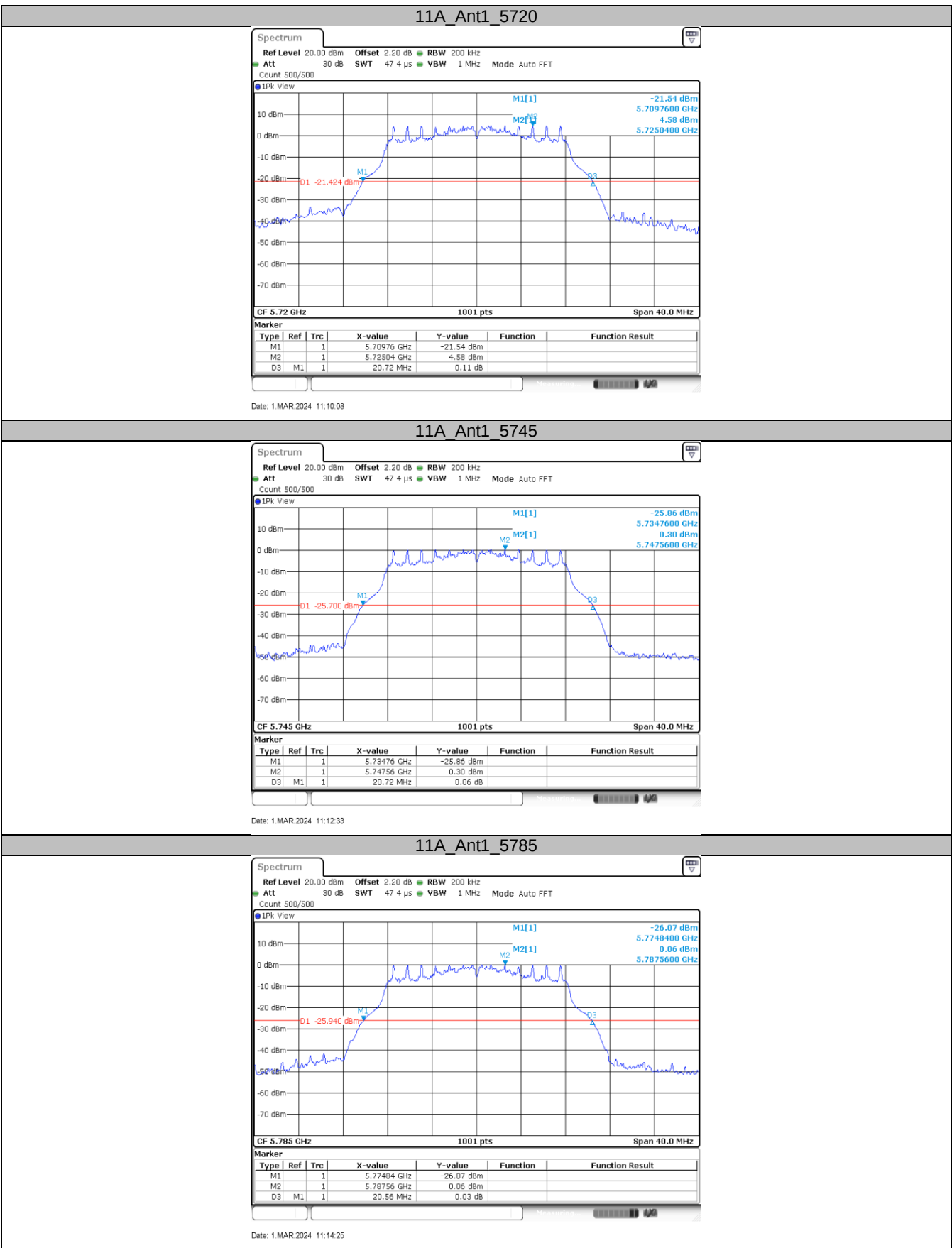
| TestMode    | Antenna | Channel[MHz]             | 26db EBW [MHz] | FL[MHz]  | FH[MHz]  | Limit[MHz] | Verdict |
|-------------|---------|--------------------------|----------------|----------|----------|------------|---------|
| 11AX80 SISO | Ant2    | 5210 996Tone R67         | 82.400         | 5169.040 | 5251.440 | ---        | PASS    |
|             |         | 5290 996Tone R67         | 82.400         | 5249.040 | 5331.440 | ---        | PASS    |
|             |         | 5530 996Tone R67         | 82.400         | 5488.880 | 5571.280 | ---        | PASS    |
|             |         | 5610 996Tone R67         | 82.400         | 5569.040 | 5651.440 | ---        | PASS    |
|             |         | 5690 996Tone R67         | 82.080         | 5649.040 | 5731.120 | ---        | PASS    |
|             |         | 5690 996Tone R67 UNII-2C | 75.96          | 5649.040 | 5725     | ---        | PASS    |
|             |         | 5690 996Tone R67 UNII-3  | 6.12           | 5725     | 5731.120 | ---        | PASS    |
|             |         | 5775 996Tone R67         | 82.240         | 5734.040 | 5816.280 | ---        | PASS    |
| 11AX80 SISO | Ant2    | 5210 26Tone RU0          | 21.920         | 5169.200 | 5191.120 | ---        | PASS    |
|             |         | 5290 26Tone RU36         | 24.000         | 5307.440 | 5331.440 | ---        | PASS    |
|             |         | 5530 26Tone RU0          | 22.240         | 5489.040 | 5511.280 | ---        | PASS    |
|             |         | 5610 26Tone RU8          | 23.360         | 5627.760 | 5651.120 | ---        | PASS    |
|             |         | 5775 26Tone RU0          | 21.120         | 5734.200 | 5755.320 | ---        | PASS    |
| 11AX80 SISO | Ant2    | 5210 52Tone RU37         | 22.720         | 5169.040 | 5191.760 | ---        | PASS    |
|             |         | 5290 52Tone RU52         | 25.600         | 5305.680 | 5331.280 | ---        | PASS    |
|             |         | 5530 52Tone RU37         | 23.200         | 5488.880 | 5512.080 | ---        | PASS    |
|             |         | 5610 52Tone RU40         | 24.480         | 5626.640 | 5651.120 | ---        | PASS    |
|             |         | 5775 52Tone RU37         | 21.760         | 5734.200 | 5755.960 | ---        | PASS    |
| 11AX80 SISO | Ant2    | 5210 106Tone RU53        | 28.000         | 5168.880 | 5196.880 | ---        | PASS    |
|             |         | 5290 106Tone RU60        | 27.840         | 5303.600 | 5331.440 | ---        | PASS    |
|             |         | 5530 106Tone RU53        | 24.640         | 5488.720 | 5513.360 | ---        | PASS    |
|             |         | 5610 106Tone RU54        | 28.160         | 5623.120 | 5651.280 | ---        | PASS    |
|             |         | 5690 106Tone RU53        | 25.760         | 5733.880 | 5759.640 | ---        | PASS    |
| 11AX80 SISO | Ant1    | 5210 242Tone RU61        | 32.800         | 5168.880 | 5201.680 | ---        | PASS    |
|             |         | 5290 242Tone RU64        | 32.640         | 5298.640 | 5331.280 | ---        | PASS    |
|             |         | 5530 242Tone RU61        | 36.800         | 5488.720 | 5525.520 | ---        | PASS    |
|             |         | 5610 242Tone RU61        | 35.680         | 5615.760 | 5651.440 | ---        | PASS    |
|             |         | 5775 242Tone RU61        | 34.400         | 5733.880 | 5768.280 | ---        | PASS    |
| 11AX80 SISO | Ant2    | 5210 484Tone RU65        | 51.840         | 5168.880 | 5220.720 | ---        | PASS    |
|             |         | 5290 484Tone RU66        | 59.040         | 5272.240 | 5331.280 | ---        | PASS    |
|             |         | 5530 484Tone RU65        | 57.600         | 5489.040 | 5546.640 | ---        | PASS    |
|             |         | 5610 484Tone RU65        | 58.880         | 5592.400 | 5651.280 | ---        | PASS    |
|             |         | 5775 484Tone RU65        | 57.280         | 5733.880 | 5791.160 | ---        | PASS    |

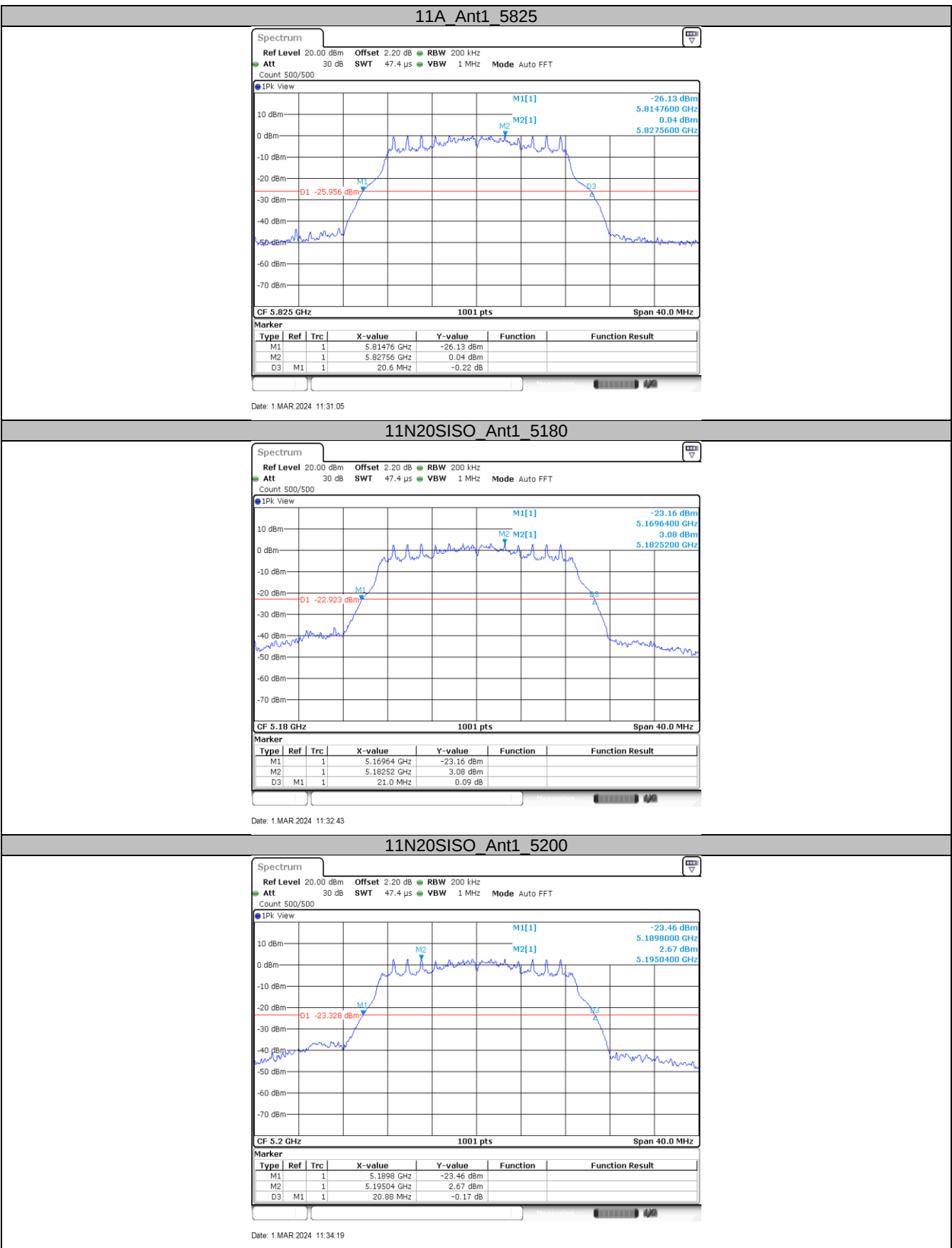
# 26dB Bandwidth Test Graphs

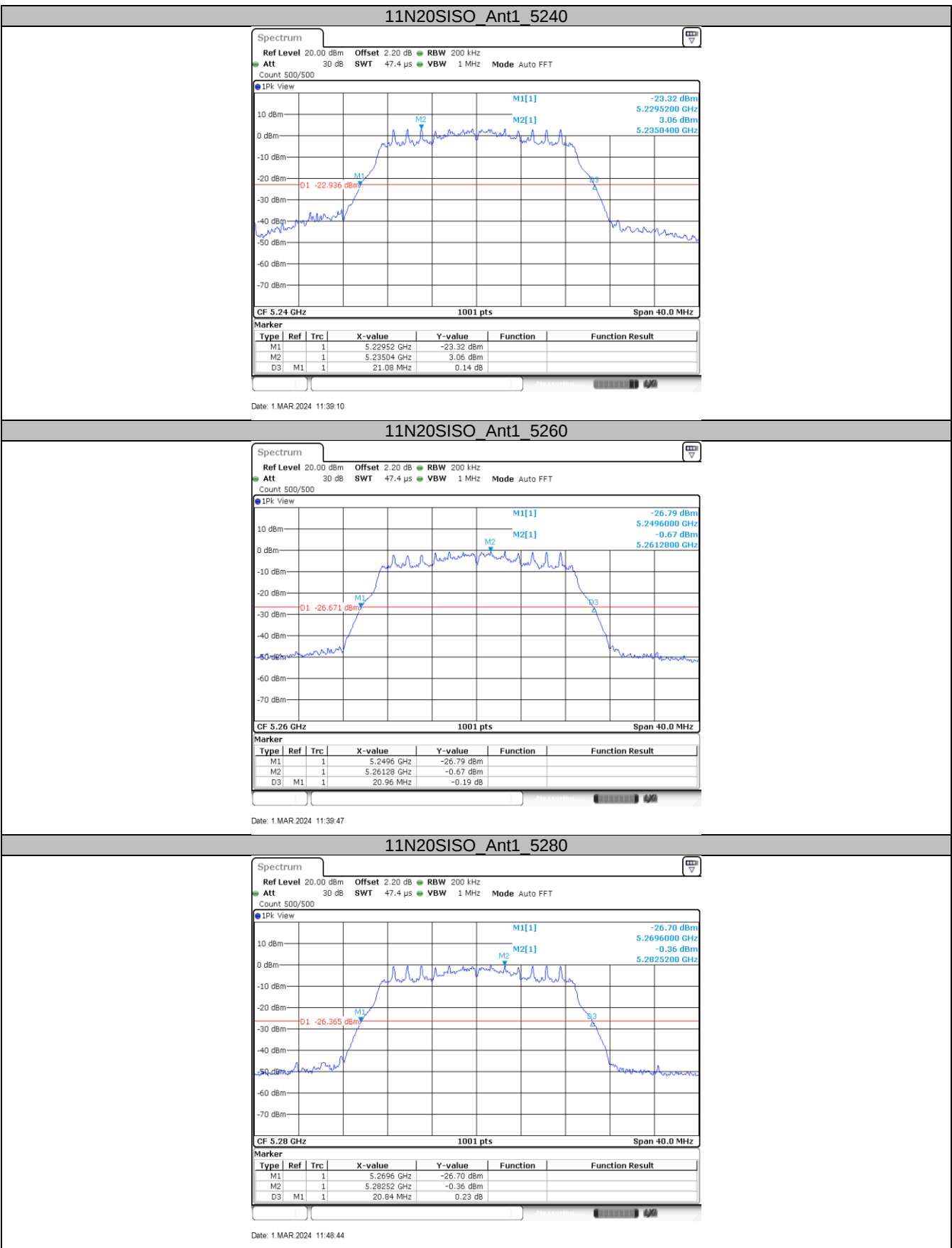


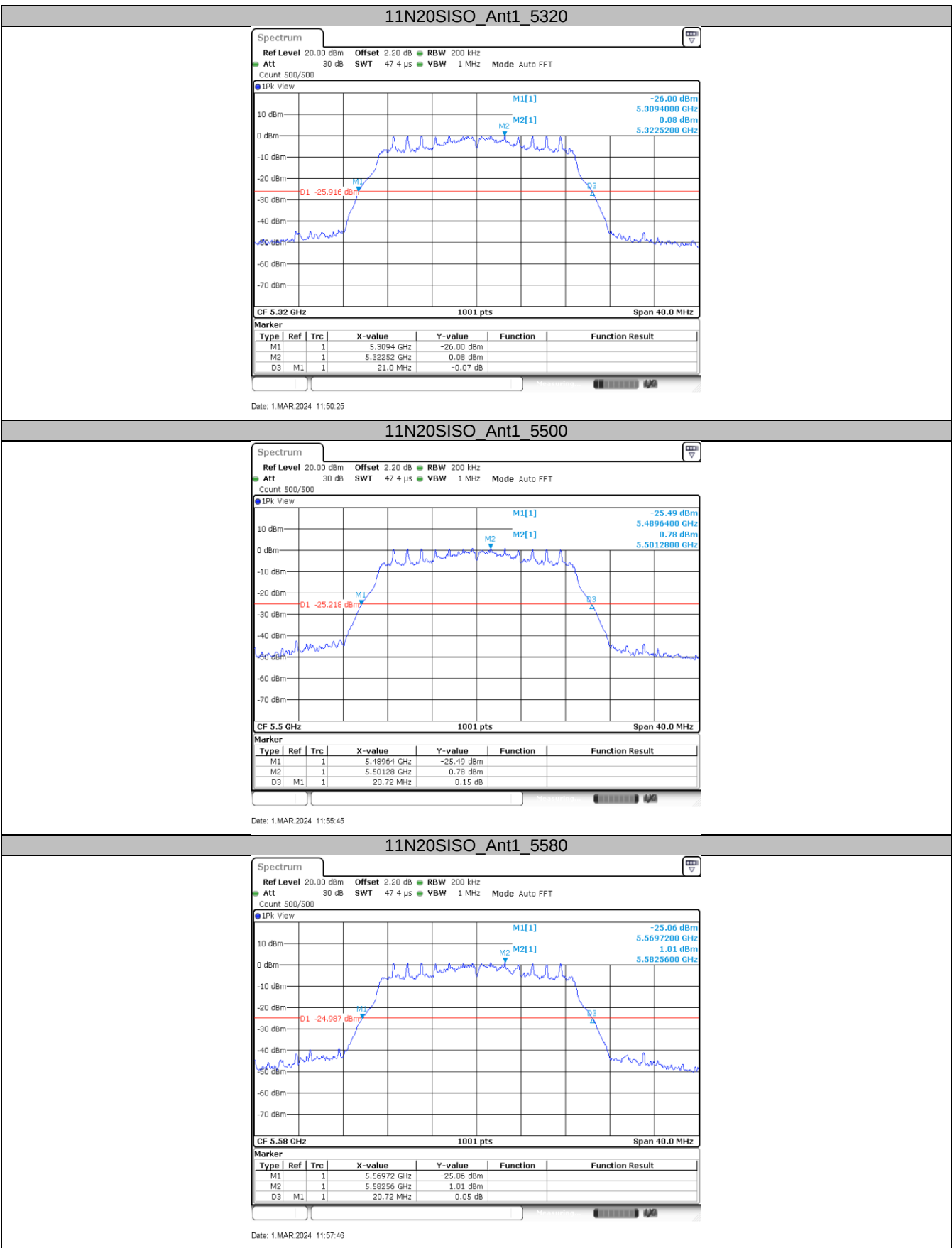


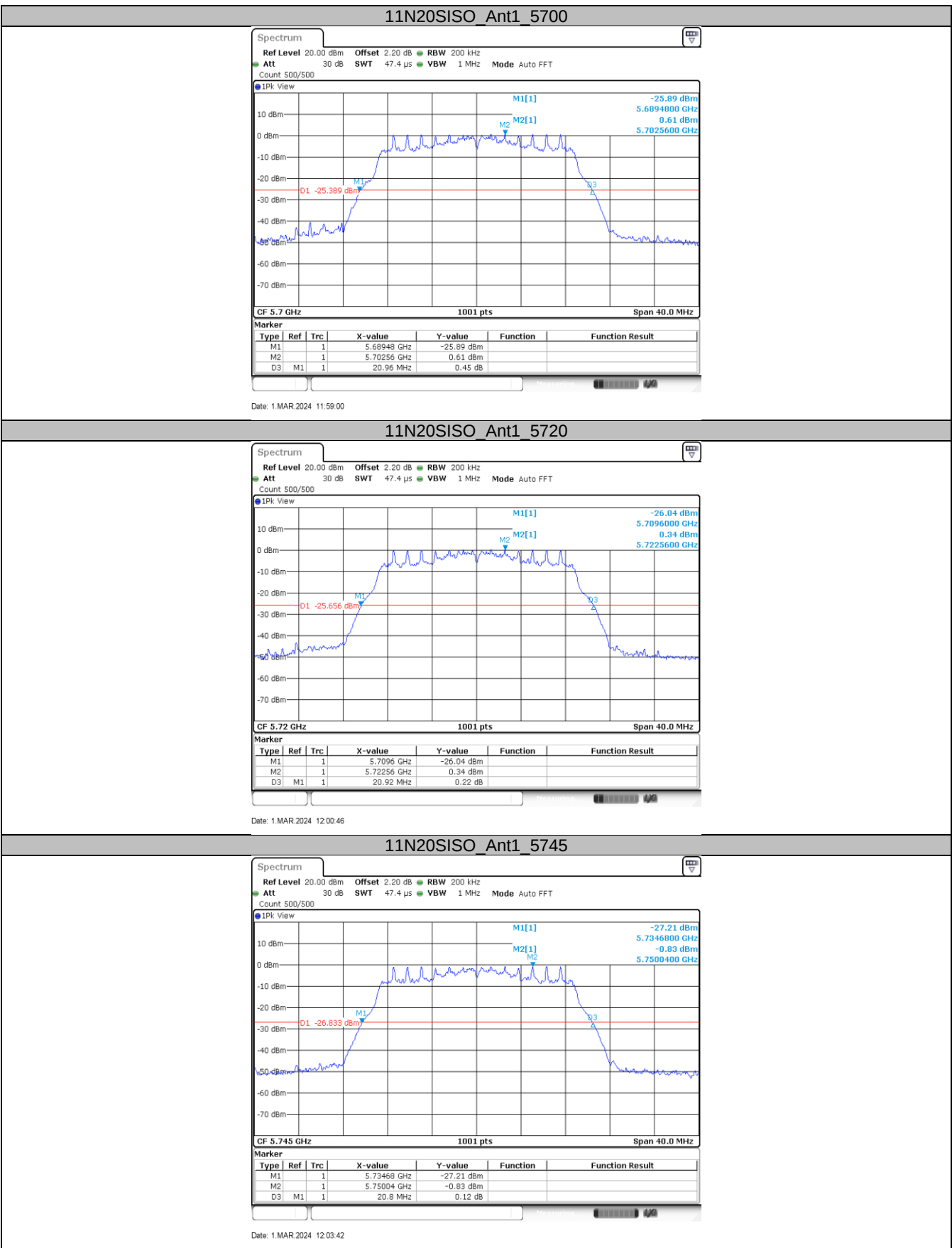


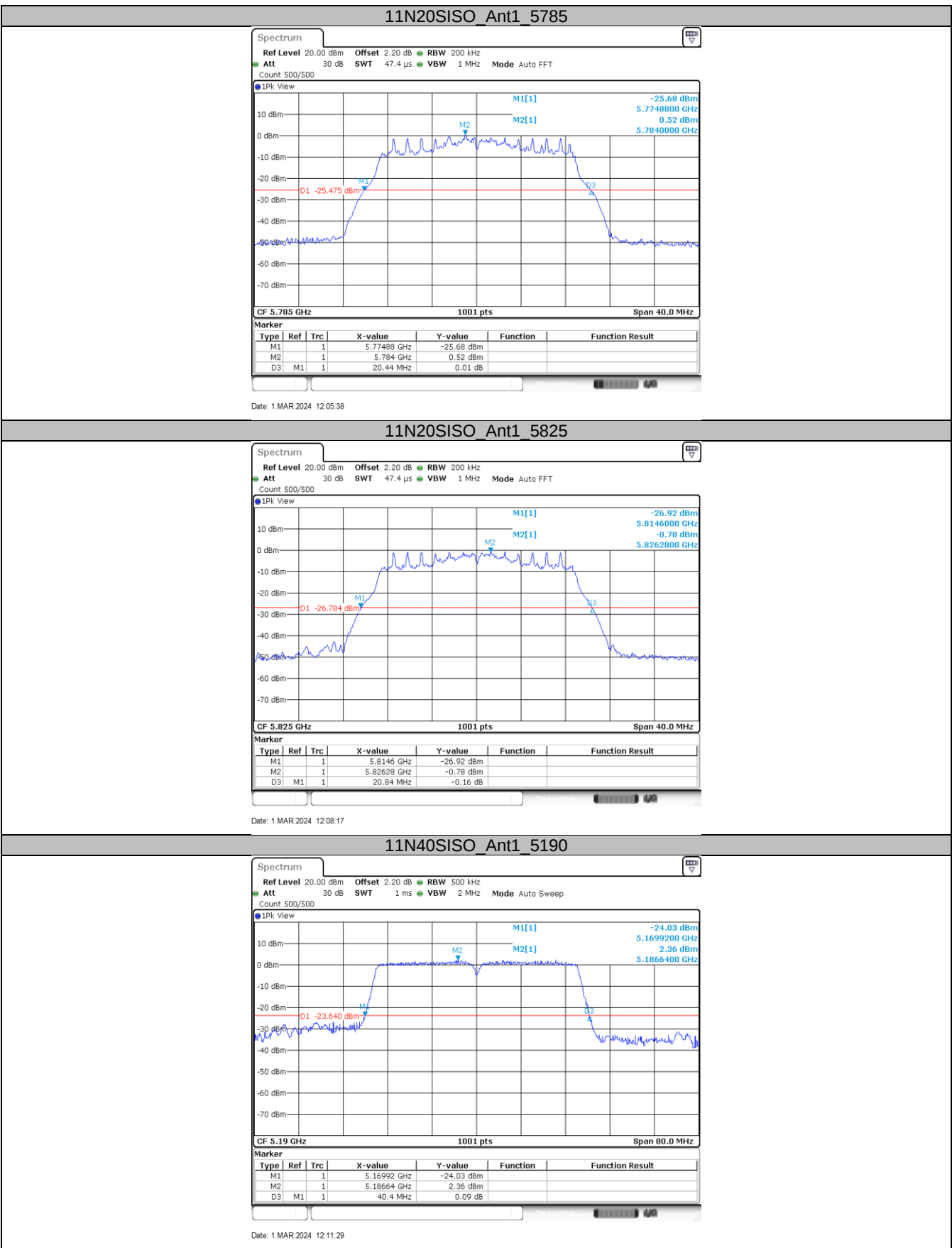


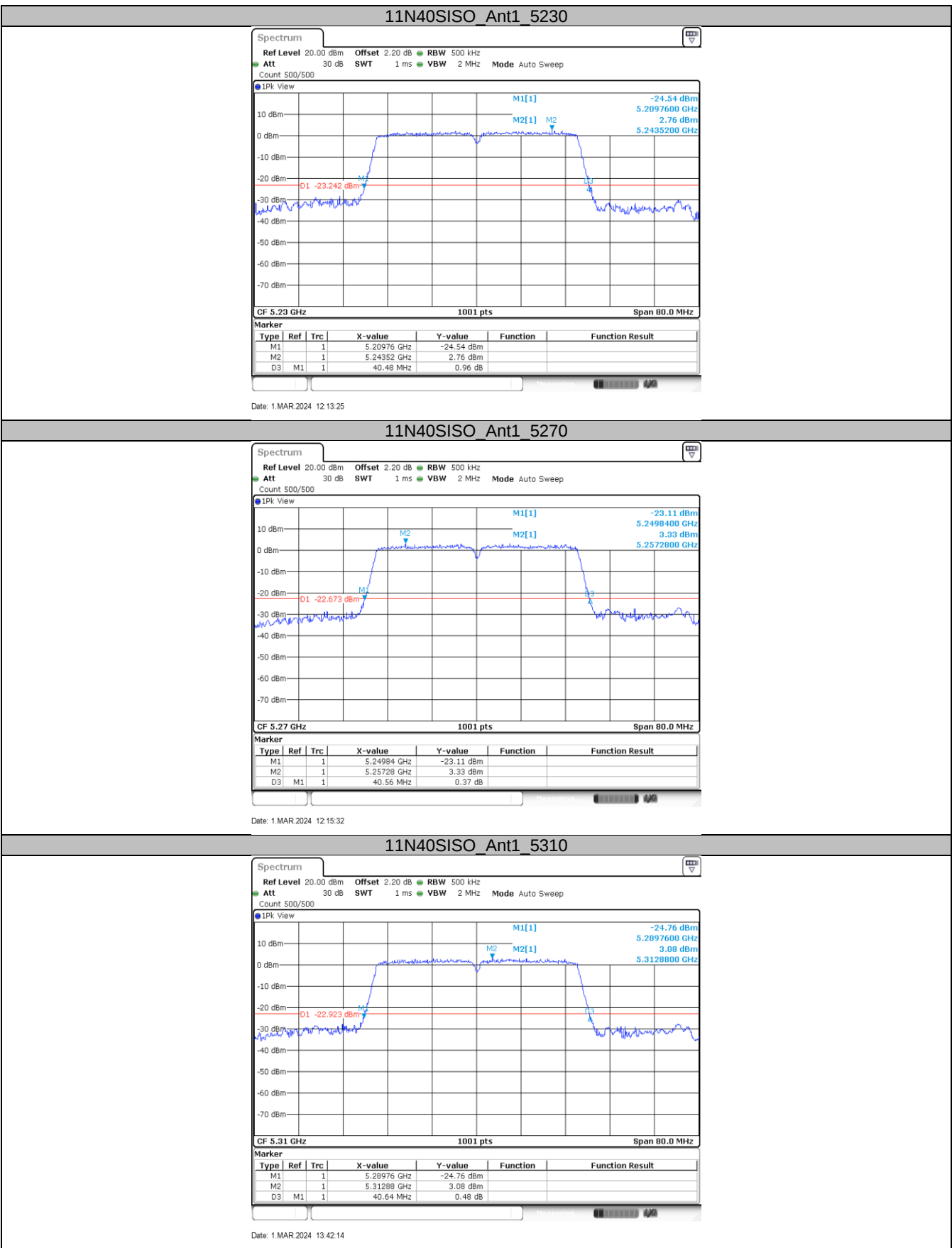


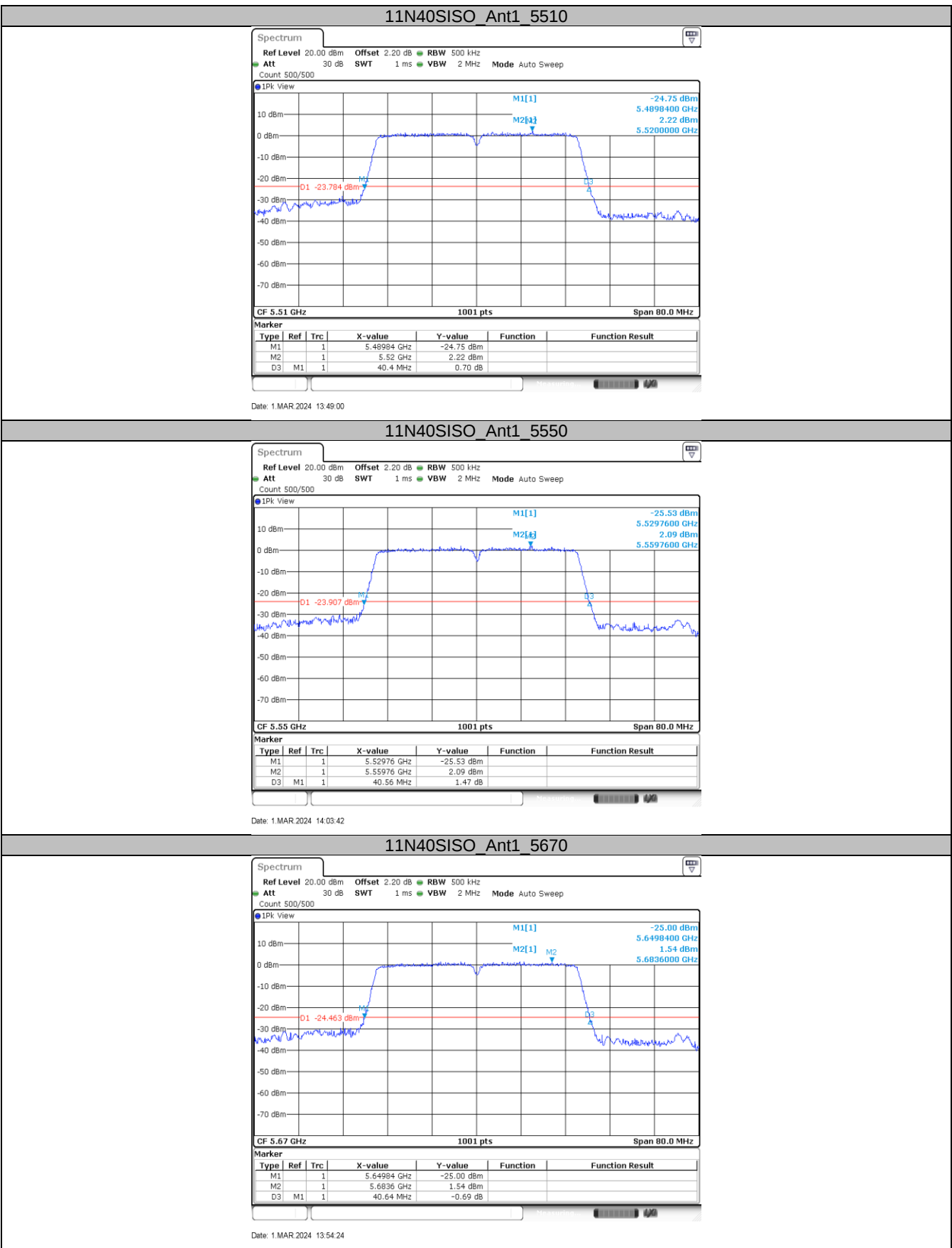


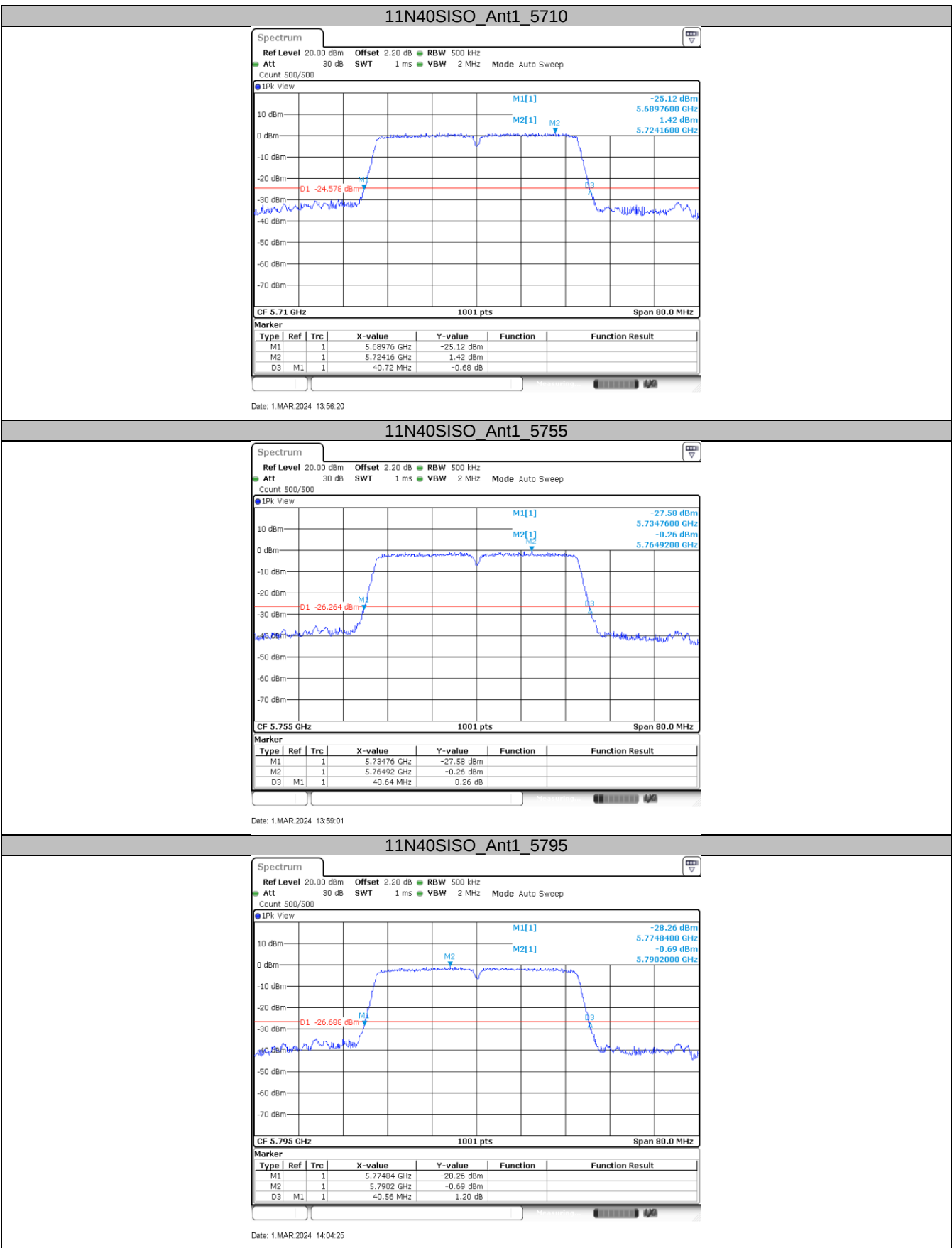


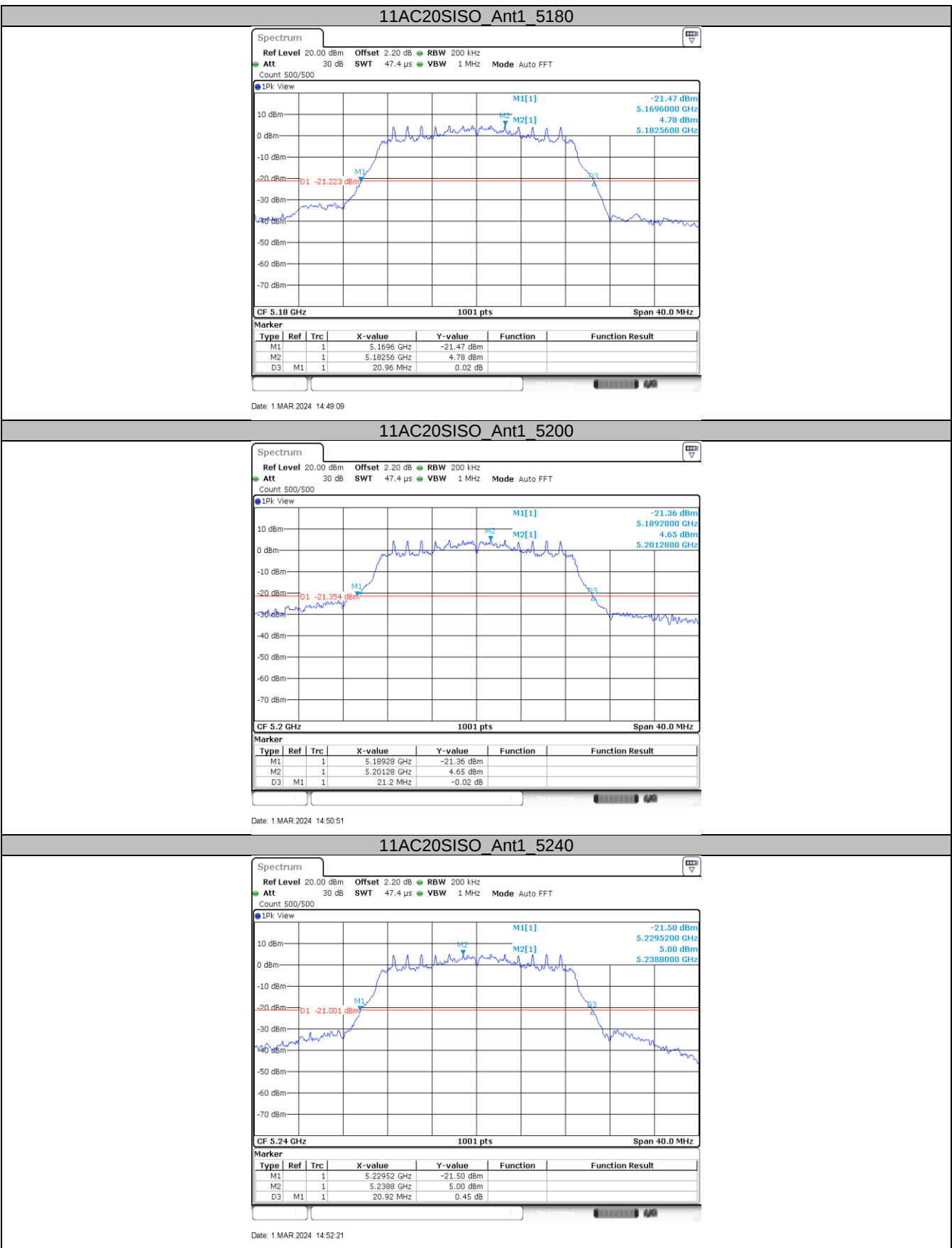


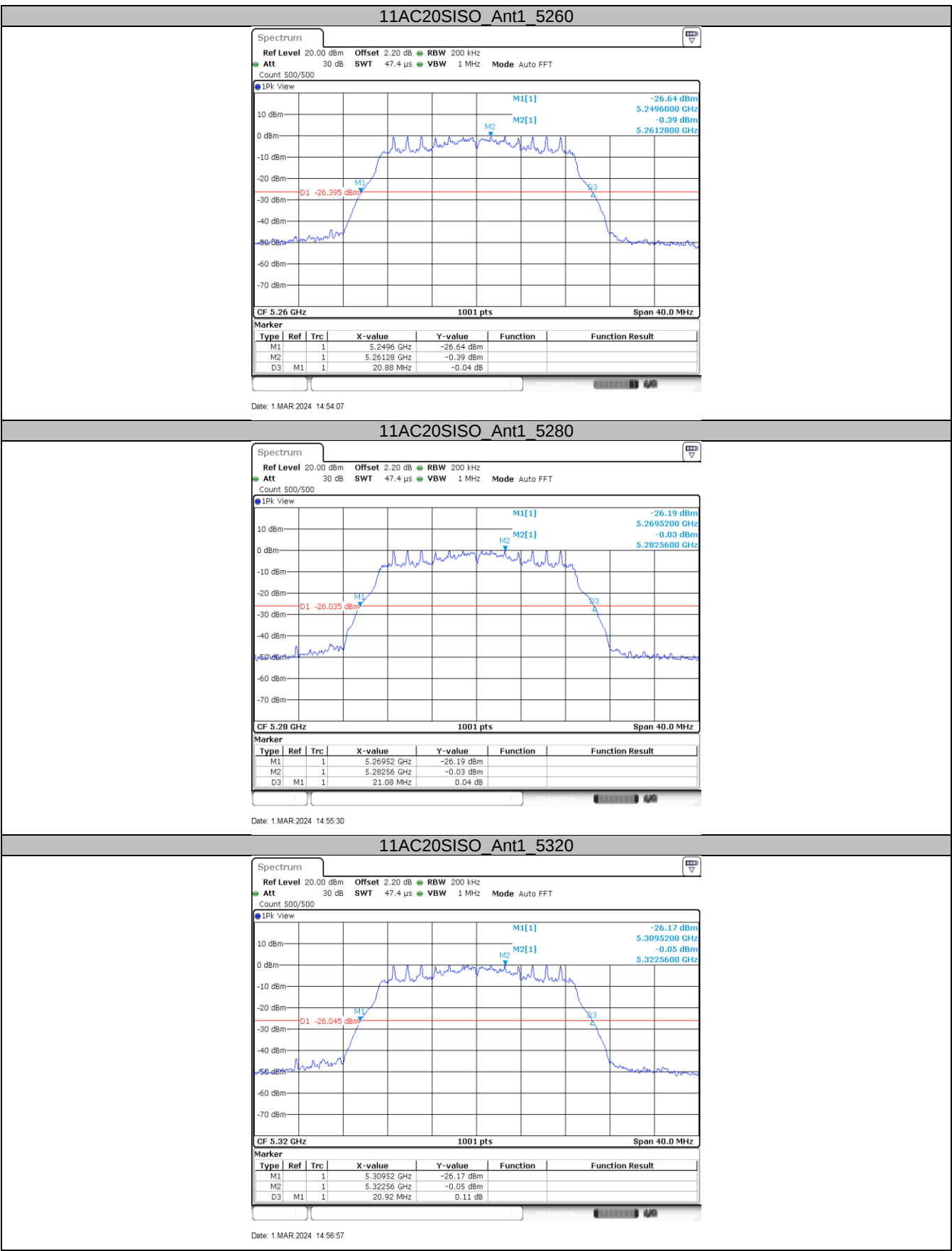


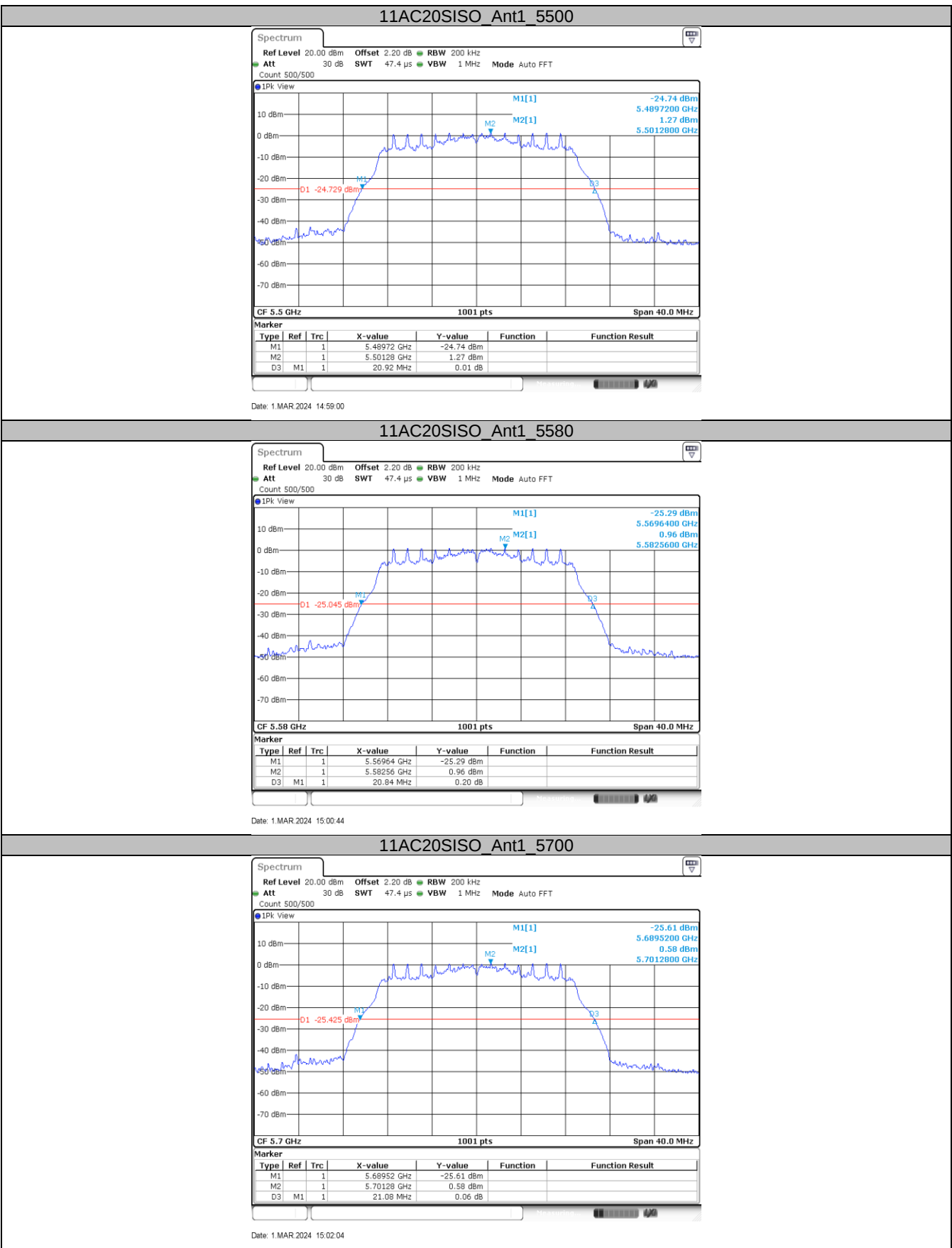


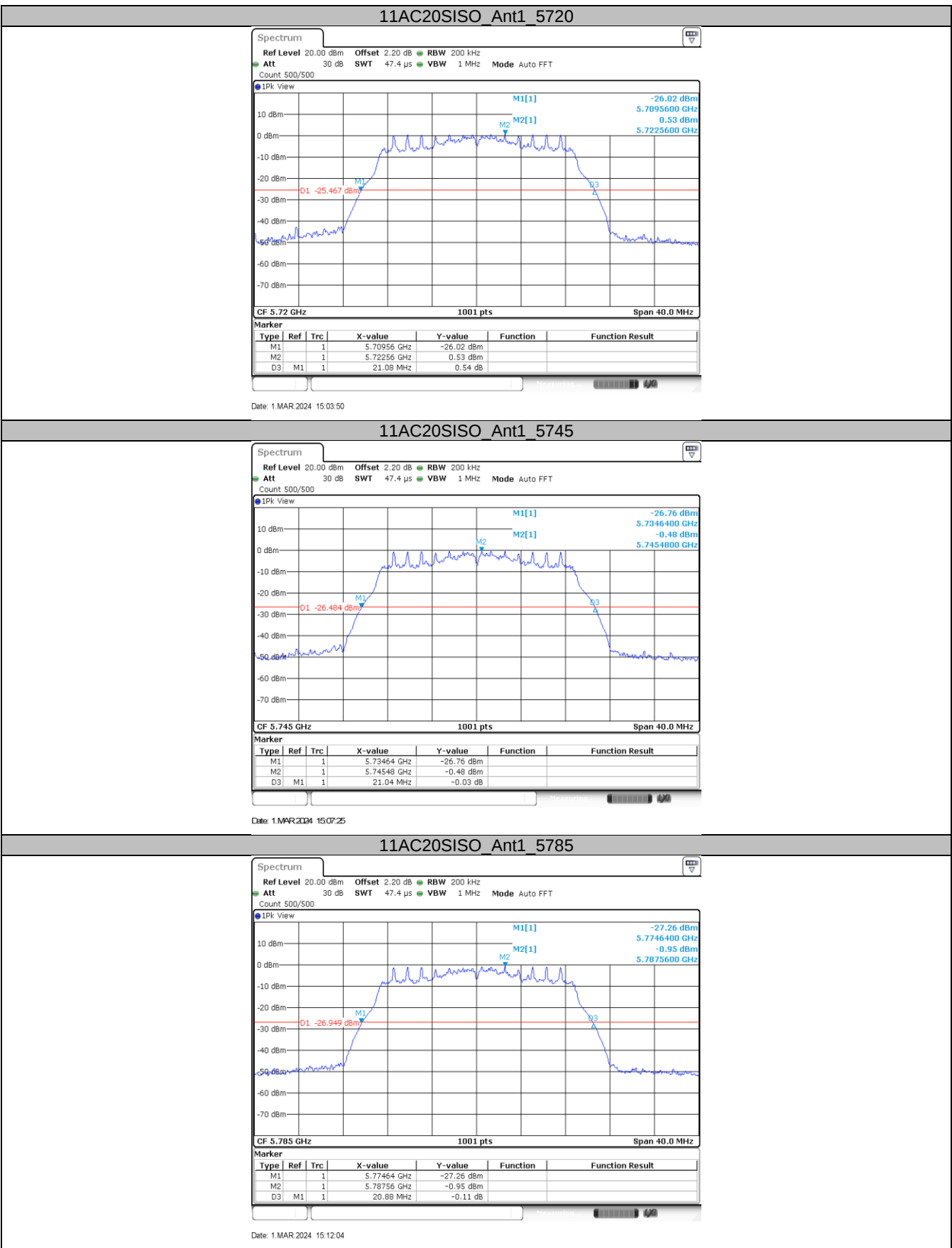


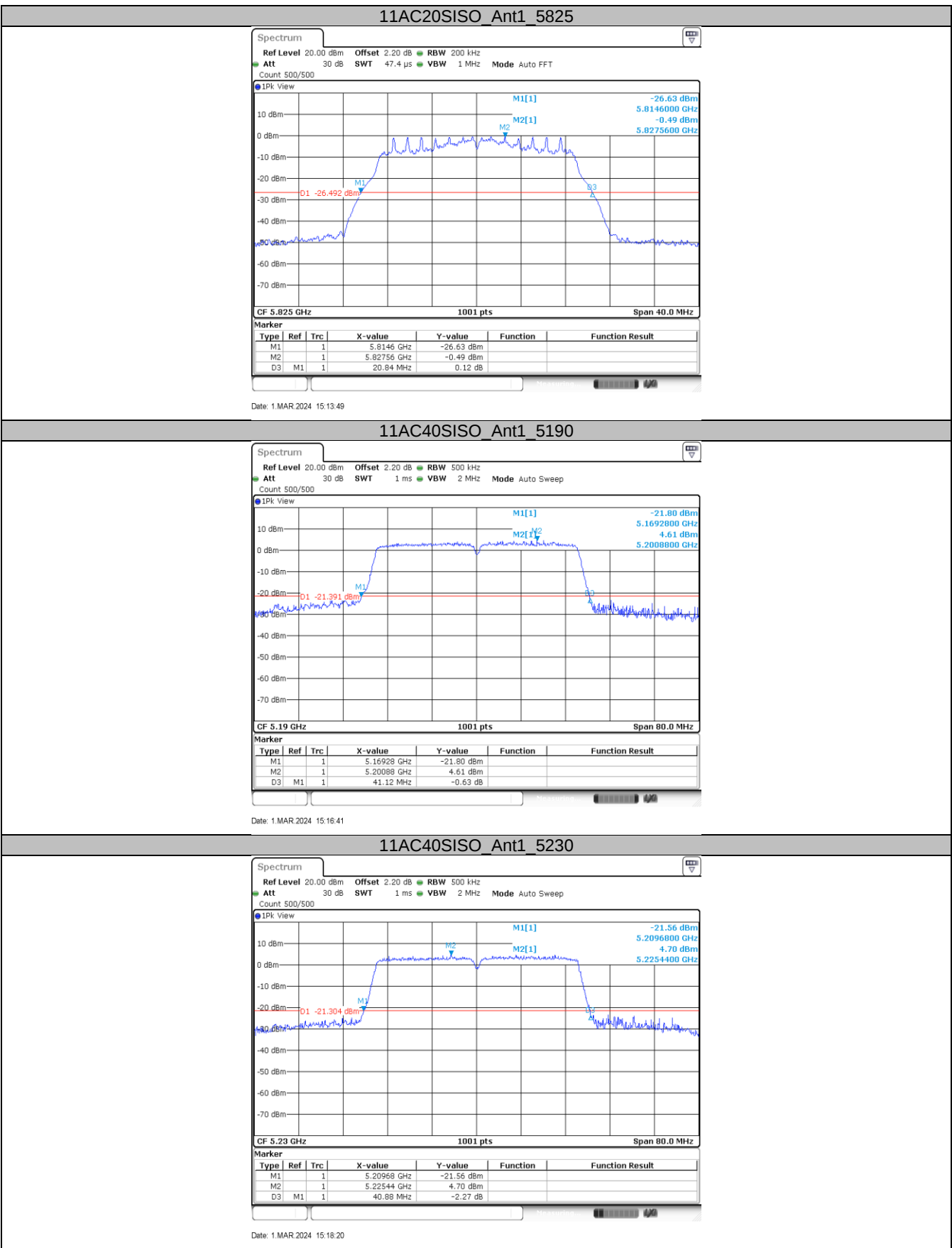


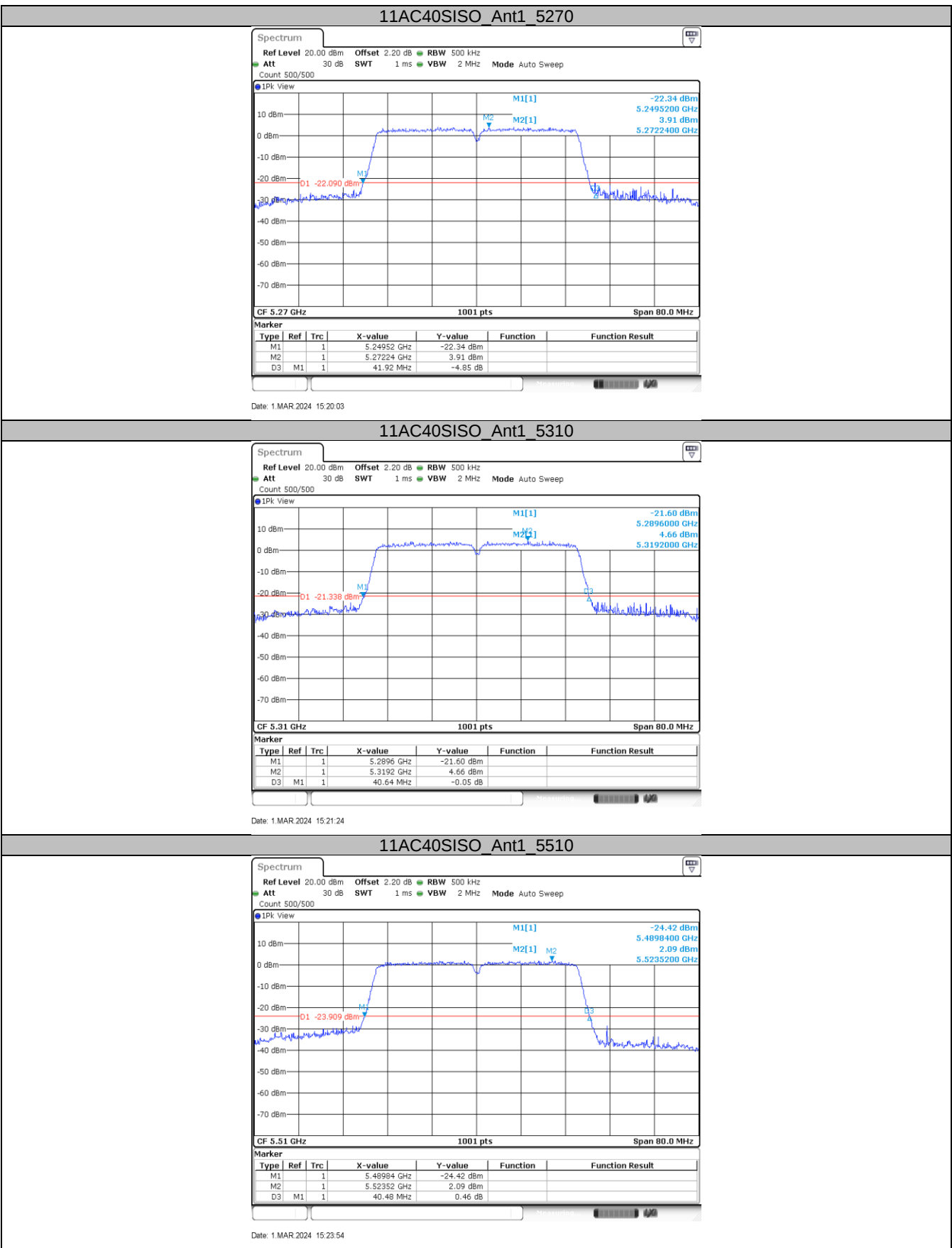


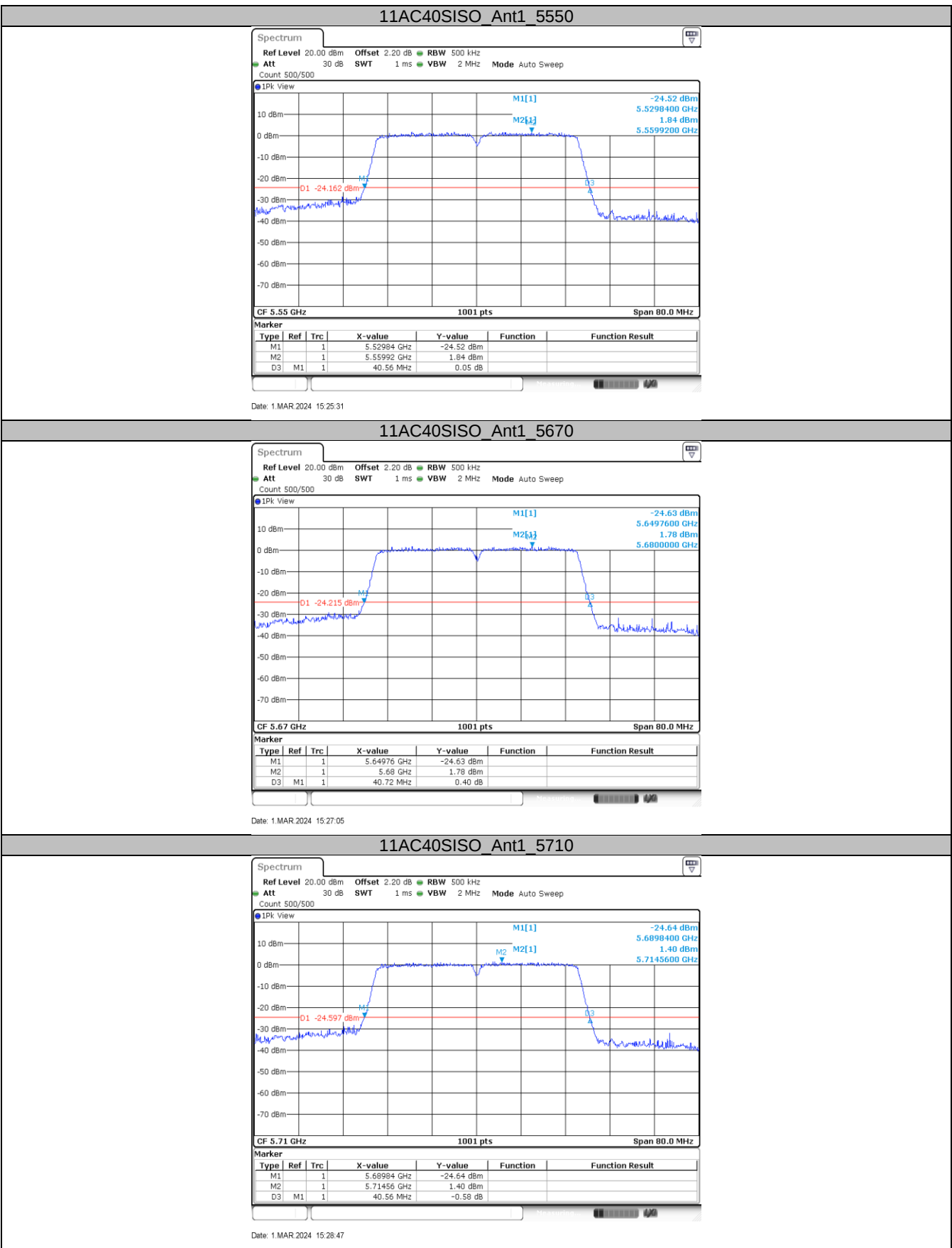


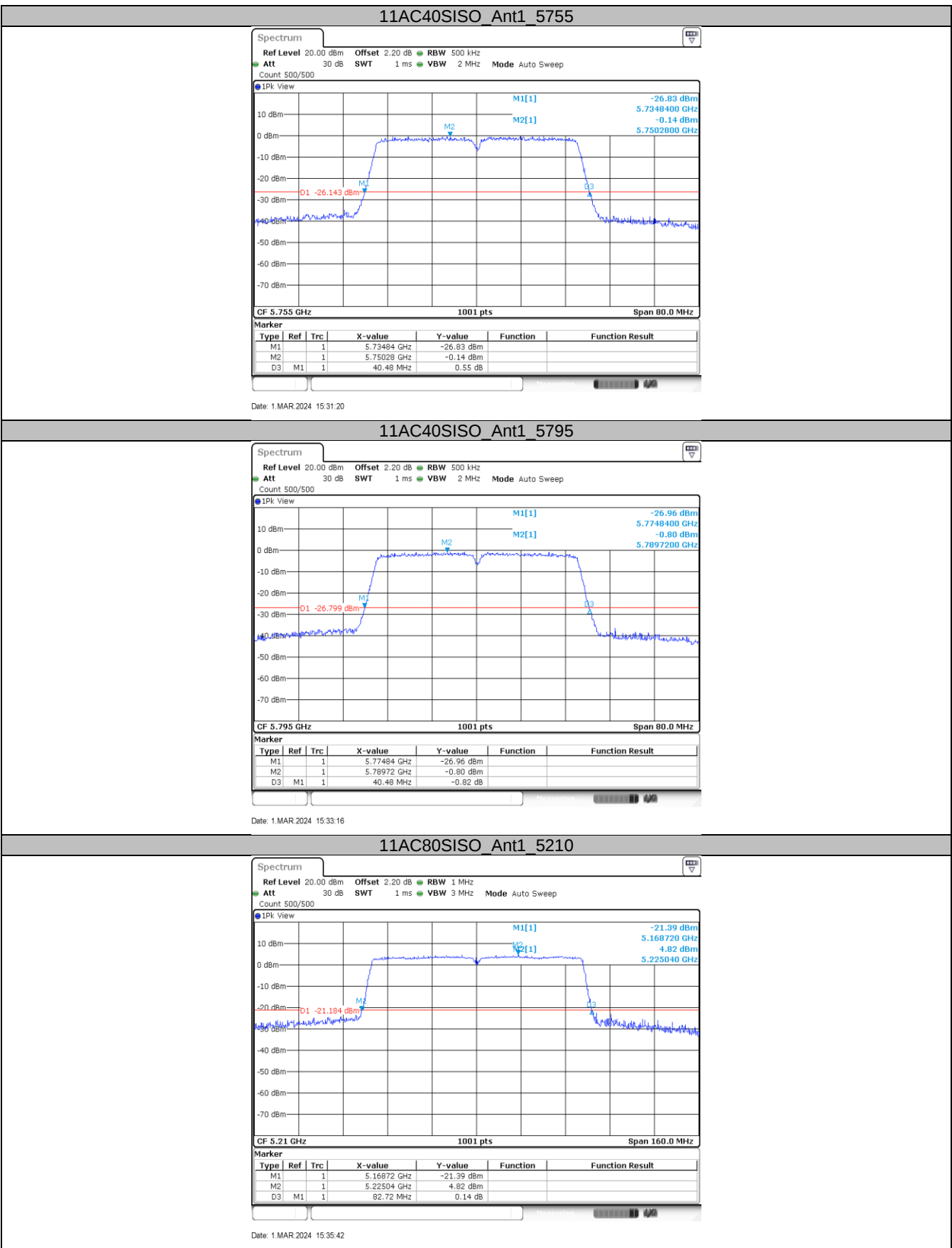


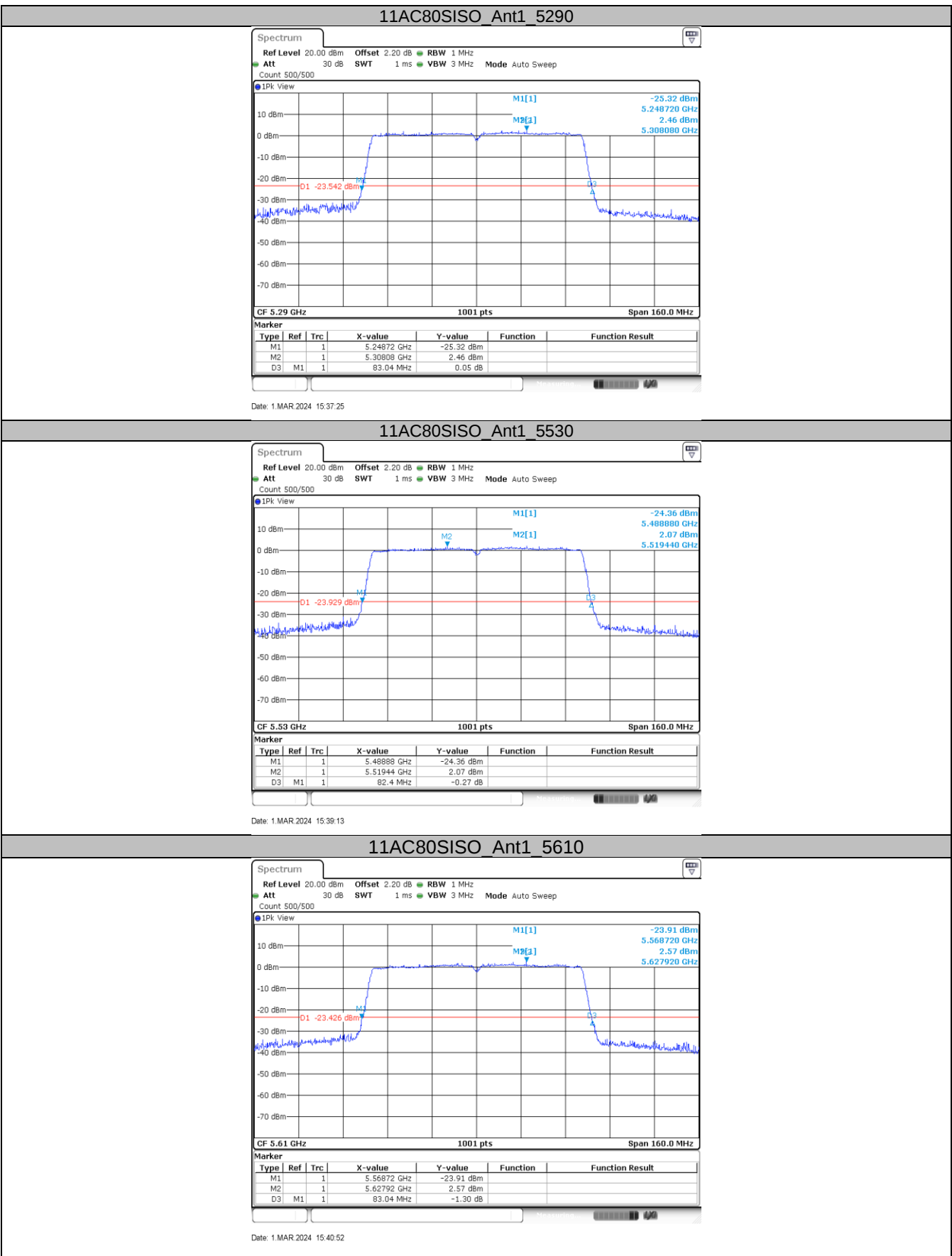


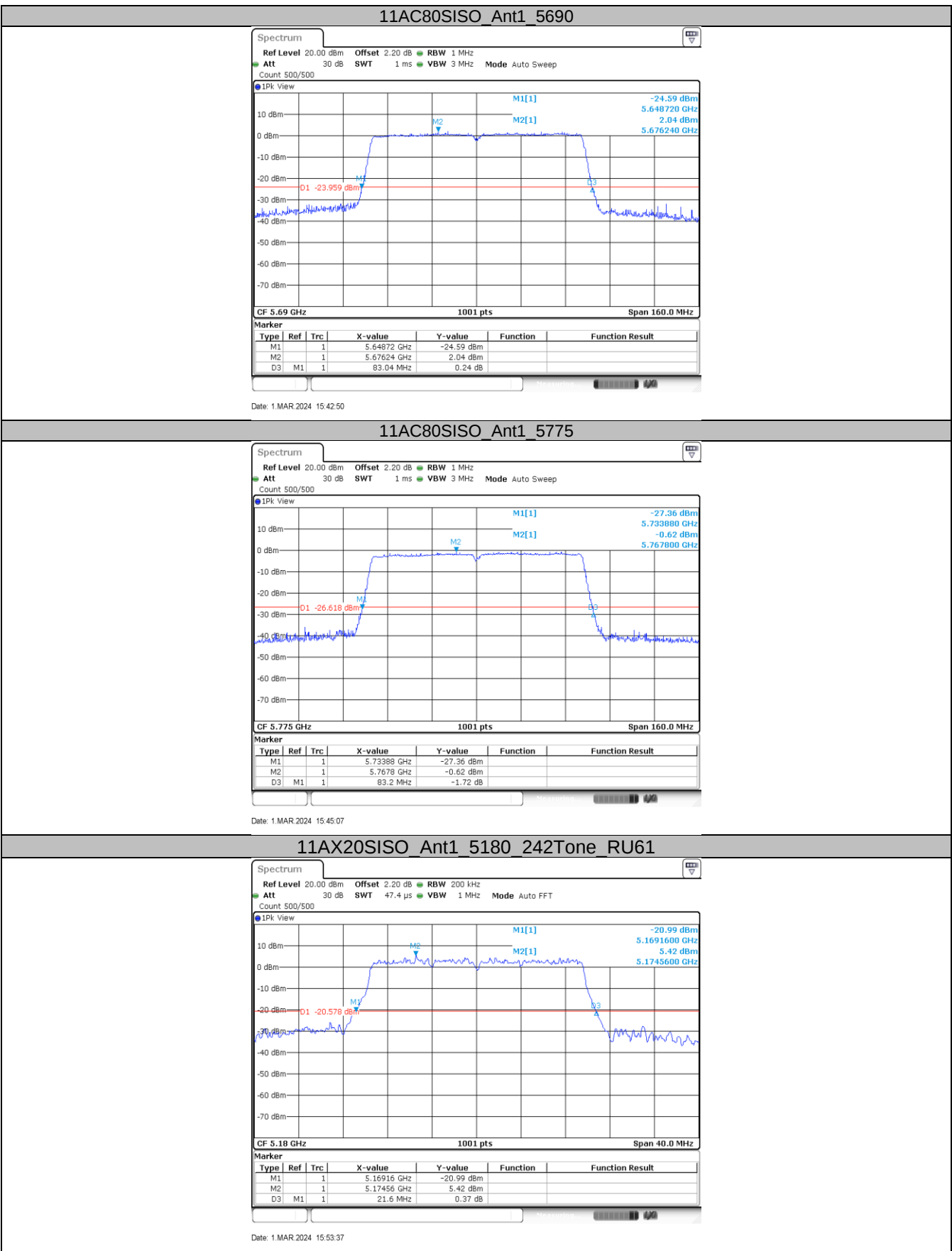




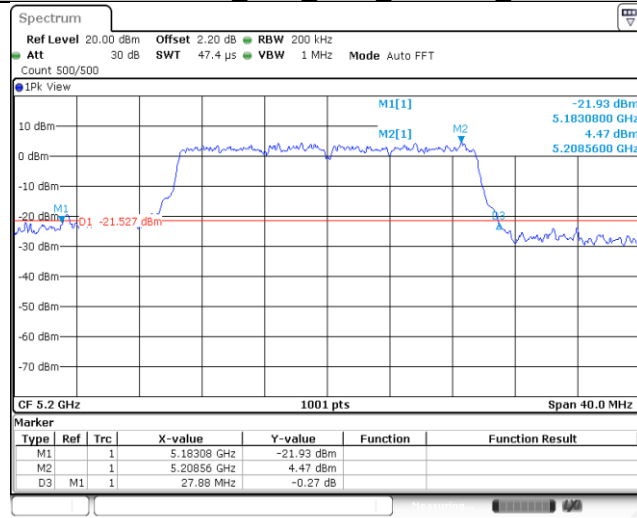






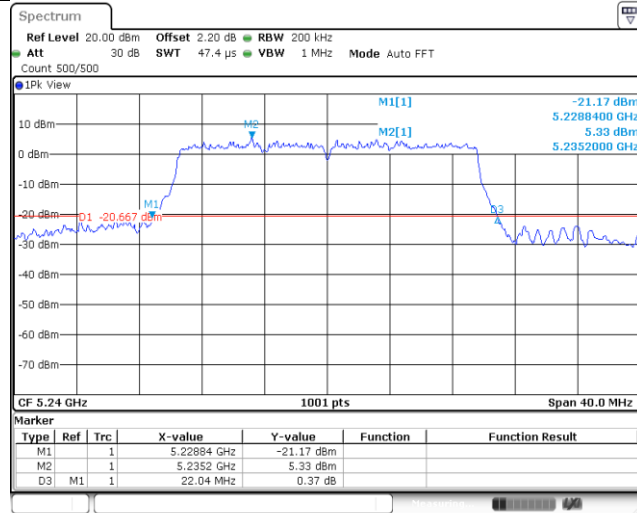


### 11AX20SISO Ant1 5200 242Tone RU61



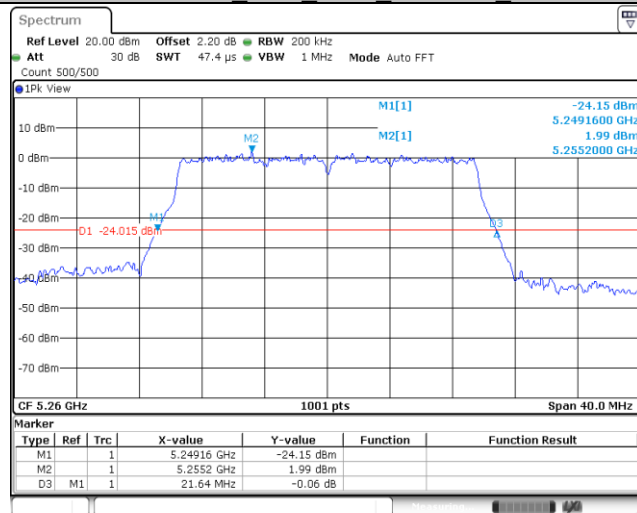
Date: 1 MAR 2024 15:55:38

### 11AX20SISO Ant1 5240 242Tone RU61



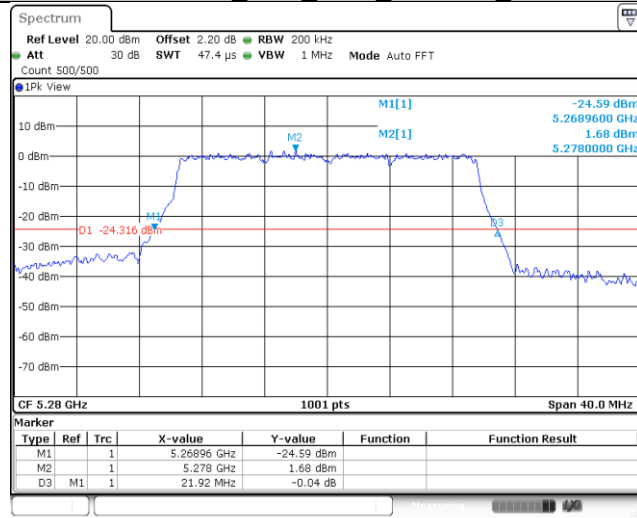
Date: 1 MAR 2024 15:57:04

### 11AX20SISO Ant1 5260 242Tone RU61



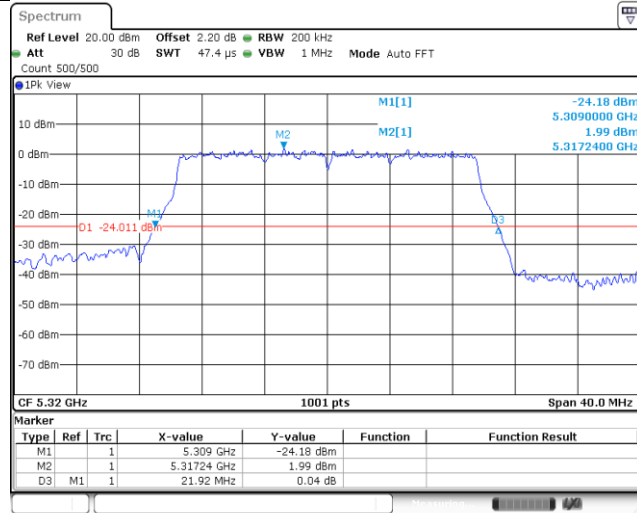
Date: 1 MAR 2024 15:58:43

### 11AX20SISO Ant1 5280 242Tone\_RU61



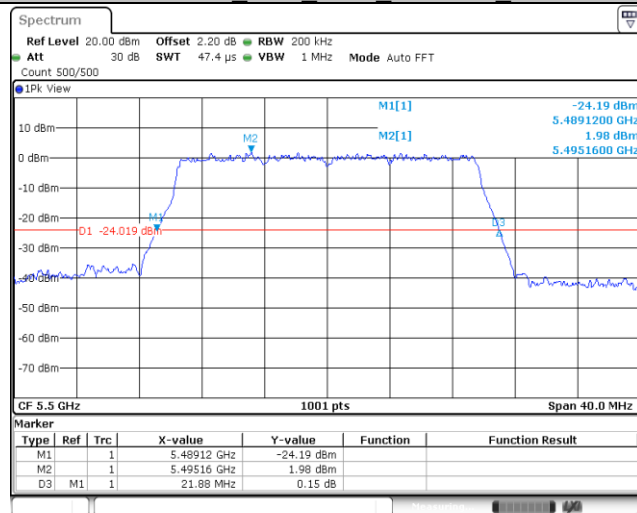
Date: 1.MAR.2024 15:59:59

### 11AX20SISO Ant1 5320 242Tone\_RU61



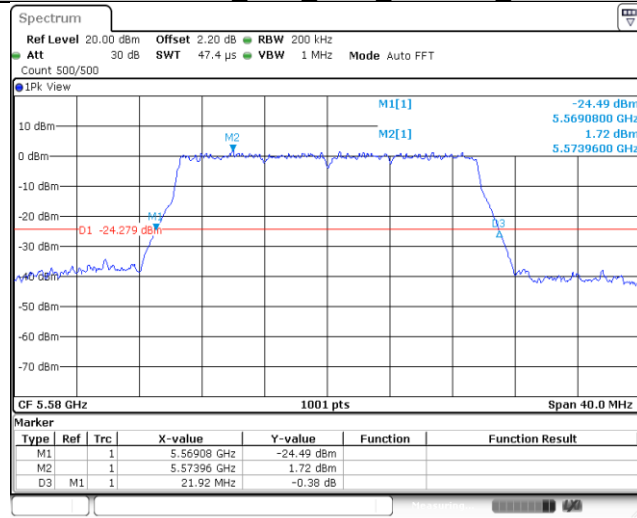
Date: 1.MAR.2024 16:01:35

### 11AX20SISO Ant1 5500 242Tone\_RU61



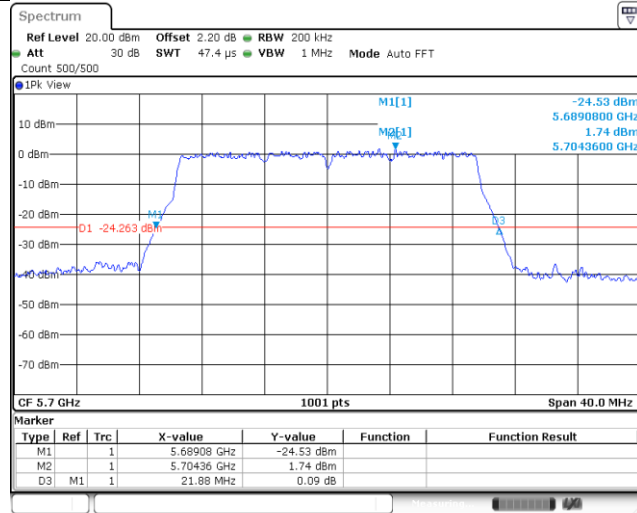
Date: 1.MAR.2024 16:03:40

### 11AX20SISO Ant1 5580 242Tone\_RU61



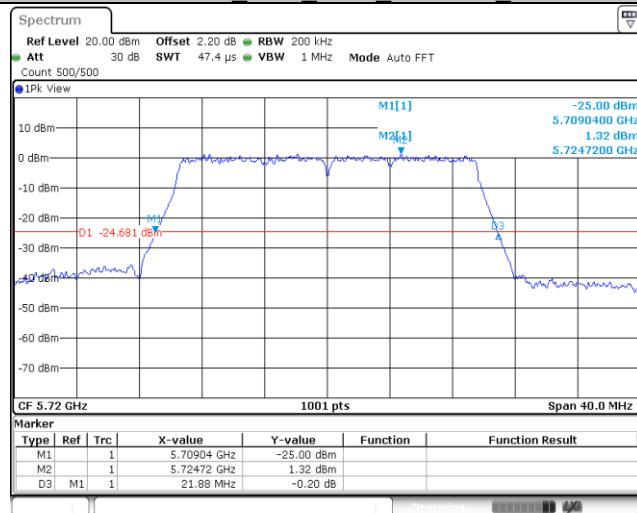
Date: 1.MAR.2024 16:05:13

### 11AX20SISO Ant1 5700 242Tone\_RU61



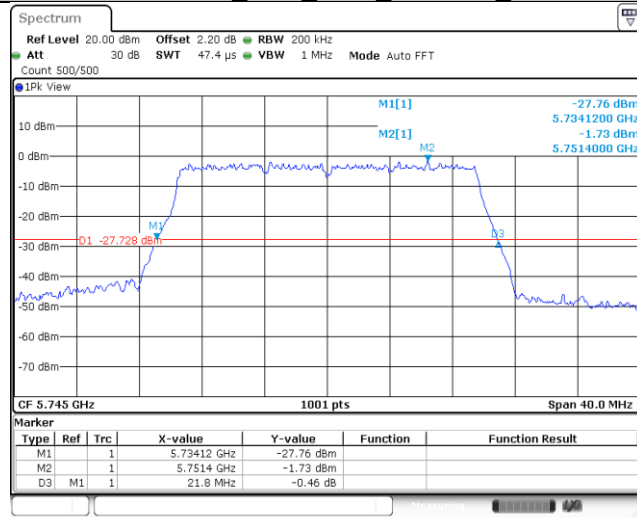
Date: 1.MAR.2024 16:06:37

### 11AX20SISO Ant1 5720 242Tone\_RU61



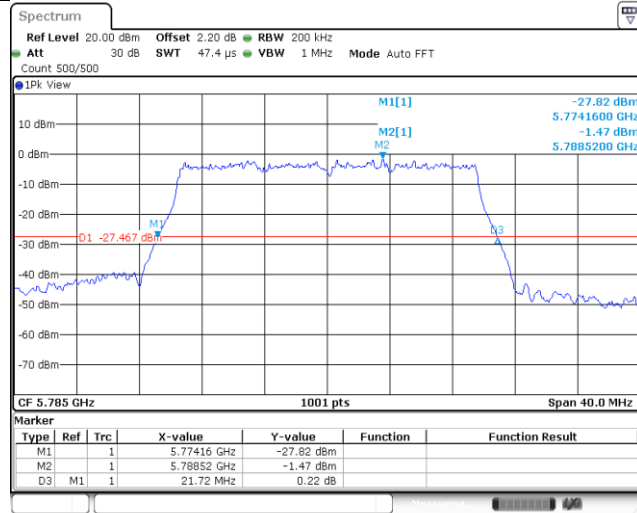
Date: 1.MAR.2024 16:08:08

### 11AX20SISO Ant1 5745 242Tone RU61



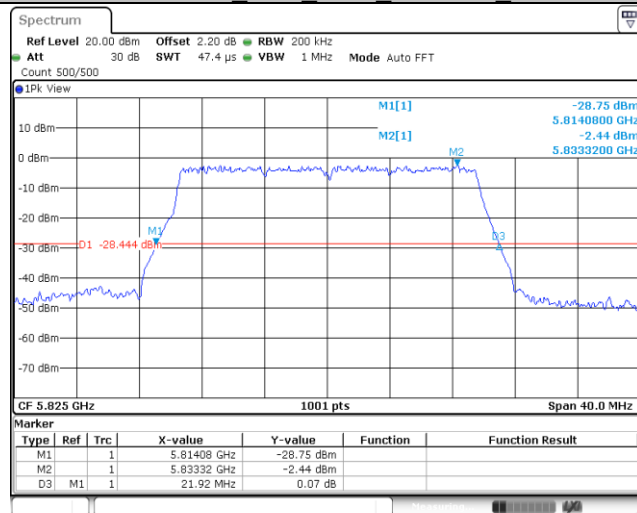
Date: 1.MAR.2024 16:10:53

### 11AX20SISO Ant1 5785 242Tone RU61 242Tone RU61



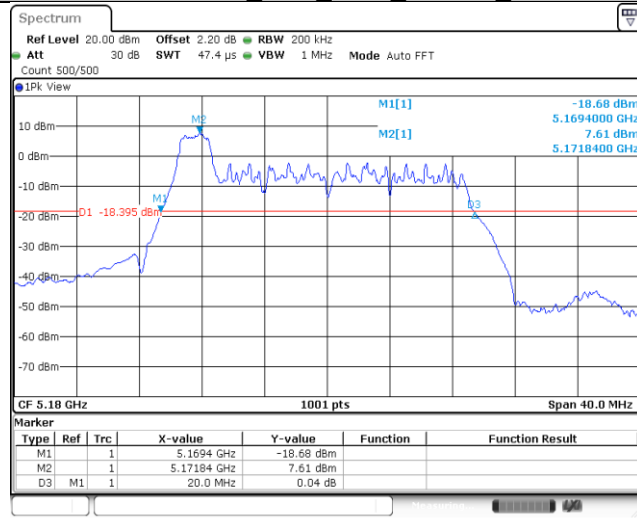
Date: 1.MAR.2024 16:13:42

### 11AX20SISO Ant1 5825 242Tone RU61



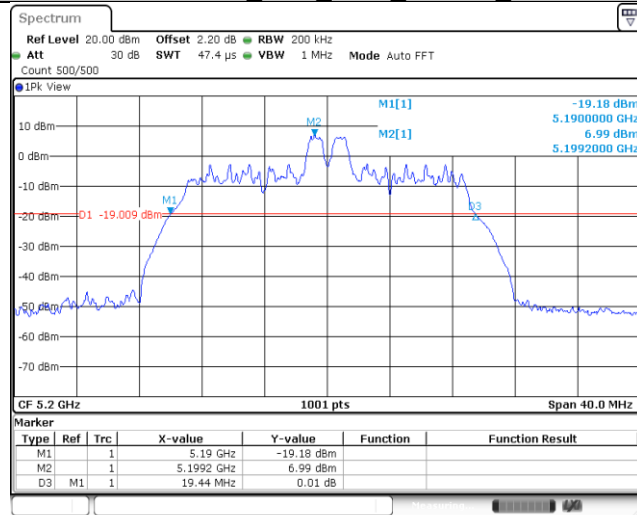
Date: 1.MAR.2024 16:15:25

### 11AX20SISO Ant1 5180 26Tone\_RU0



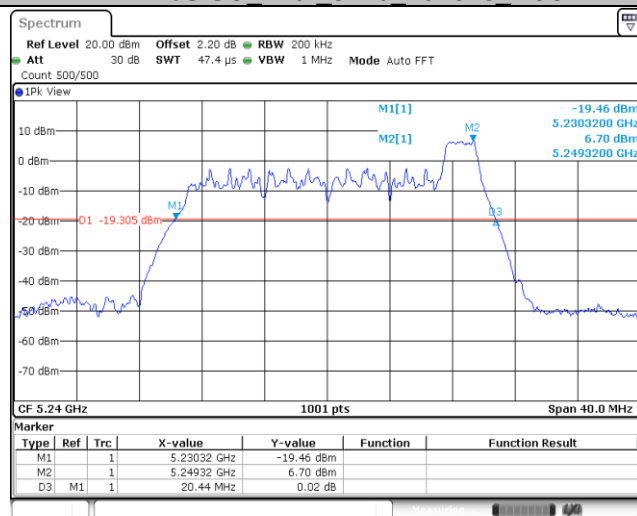
Date: 7.MAR.2024 15:34:10

### 11AX20SISO Ant1 5200 26Tone\_RU4



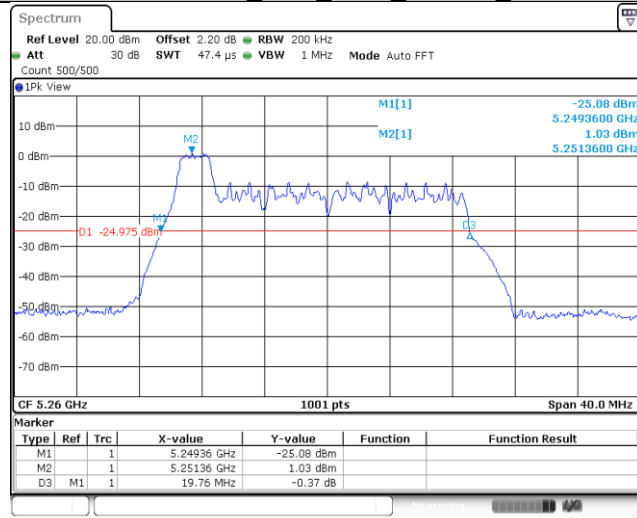
Date: 7.MAR.2024 15:36:11

### 11AX20SISO Ant1 5240 26Tone\_RU8



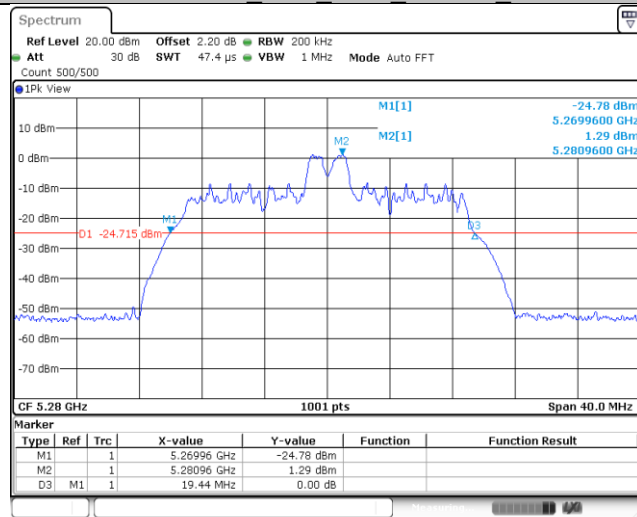
Date: 7.MAR.2024 15:38:27

### 11AX20SISO Ant1 5260 26Tone\_RU0



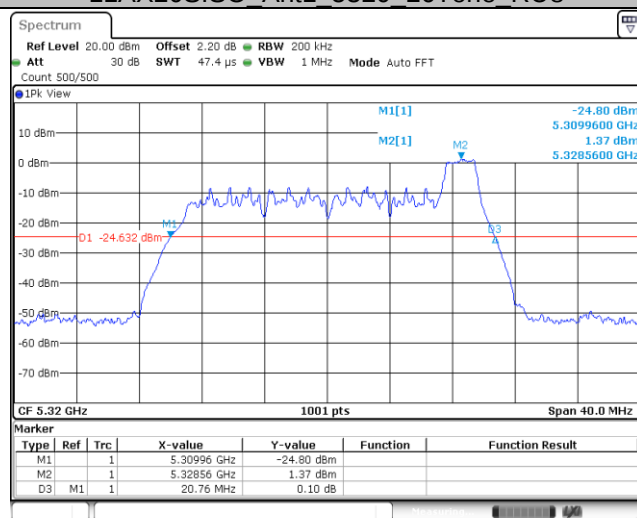
Date: 7 MAR 2024 15:40:35

### 11AX20SISO Ant1 5280 26Tone\_RU4



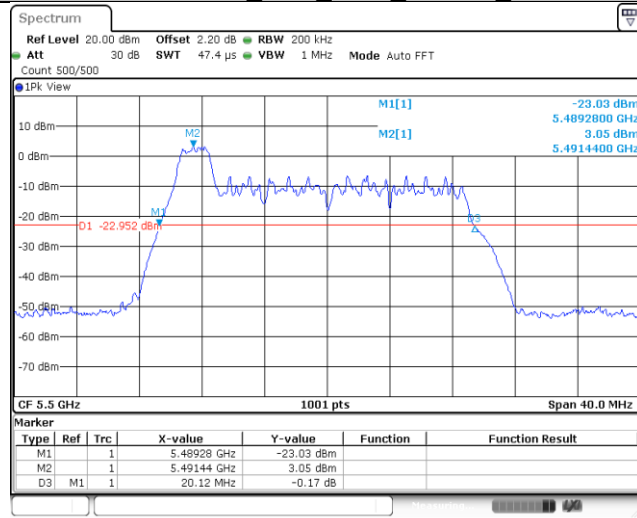
Date: 7 MAR 2024 15:43:25

### 11AX20SISO Ant1 5320 26Tone\_RU8



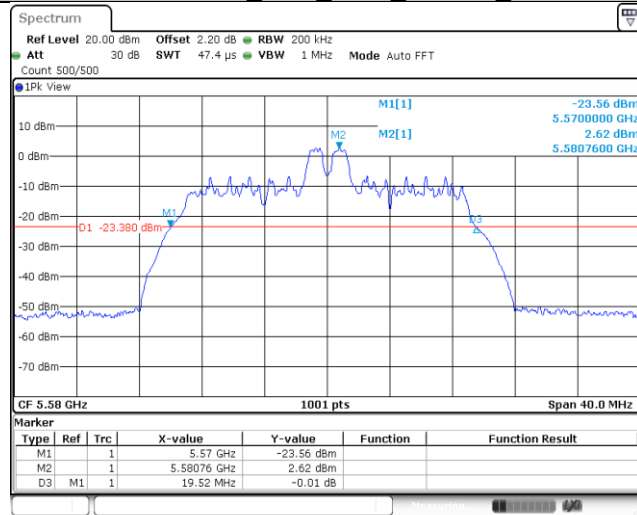
Date: 7 MAR 2024 15:50:14

### 11AX20SISO Ant1 5500 26Tone\_RU0



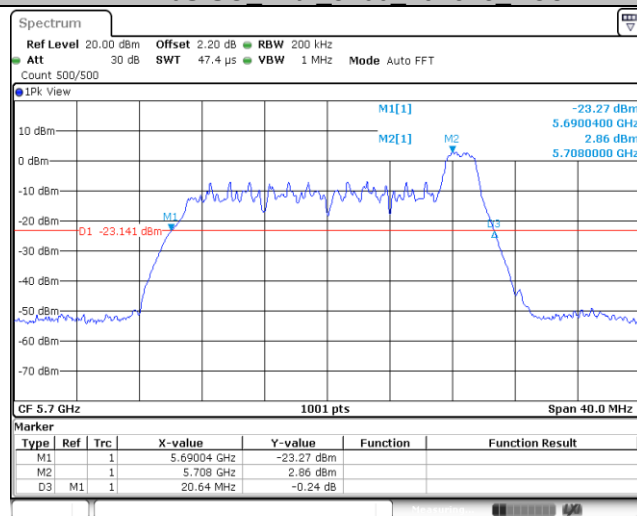
Date: 7 MAR 2024 15:52:19

### 11AX20SISO Ant1 5580 26Tone\_RU4



Date: 7 MAR 2024 15:54:35

### 11AX20SISO Ant1 5700 26Tone\_RU8



Date: 7 MAR 2024 15:56:11