MYIRO Tutorial

How to measure with MYIRO-9 / FD-9 and I1Profiler

Changes for v2:

- New procedure to modify/edit page format manually (p12, 13, 14, 15)

MYIRO Color Management Solutions
https://www.myiro.com

Before you start:

- The purpose of this document is to show you how to measure test charts from i1Profiler using Konica Minolta FD-9 and FD-S2w measurement utility software
- FD-S2w is free of charge and can be dowloaded from the MYIRO website
- You need to use i1Profiler v1.6.7 minimum

What will you find in this procedure?

- How to create test charts in i1Profiler
- How to configure FD-S2w measurement utility software
- How to measure and export measurements with FD-S2w
- How to import measurements into i1Profiler

Installation of FD-S2w:

- Please download and install FD-S2w prior to follow this guide from this link: https://www.myiro.com/downloads#legacy-software

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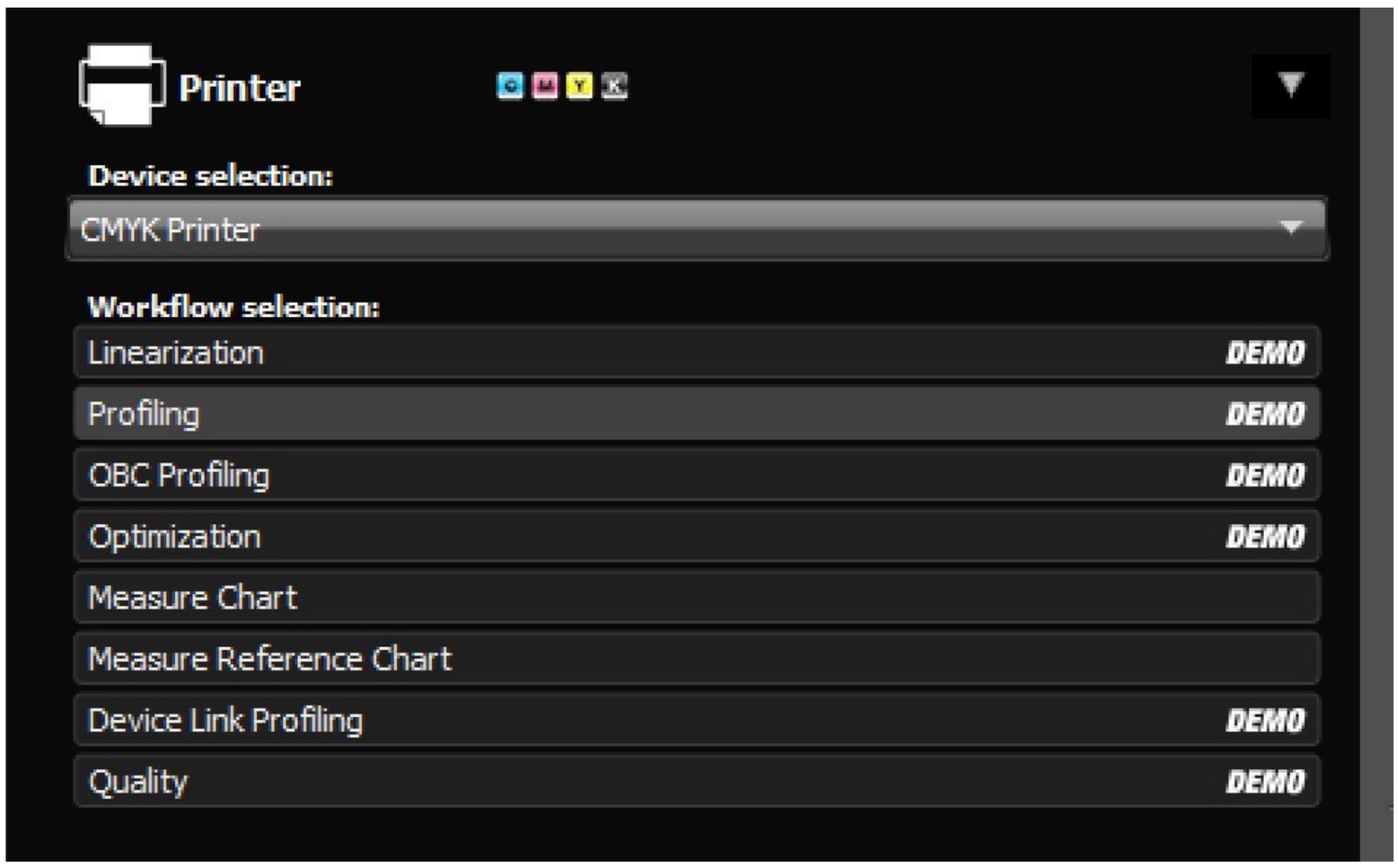
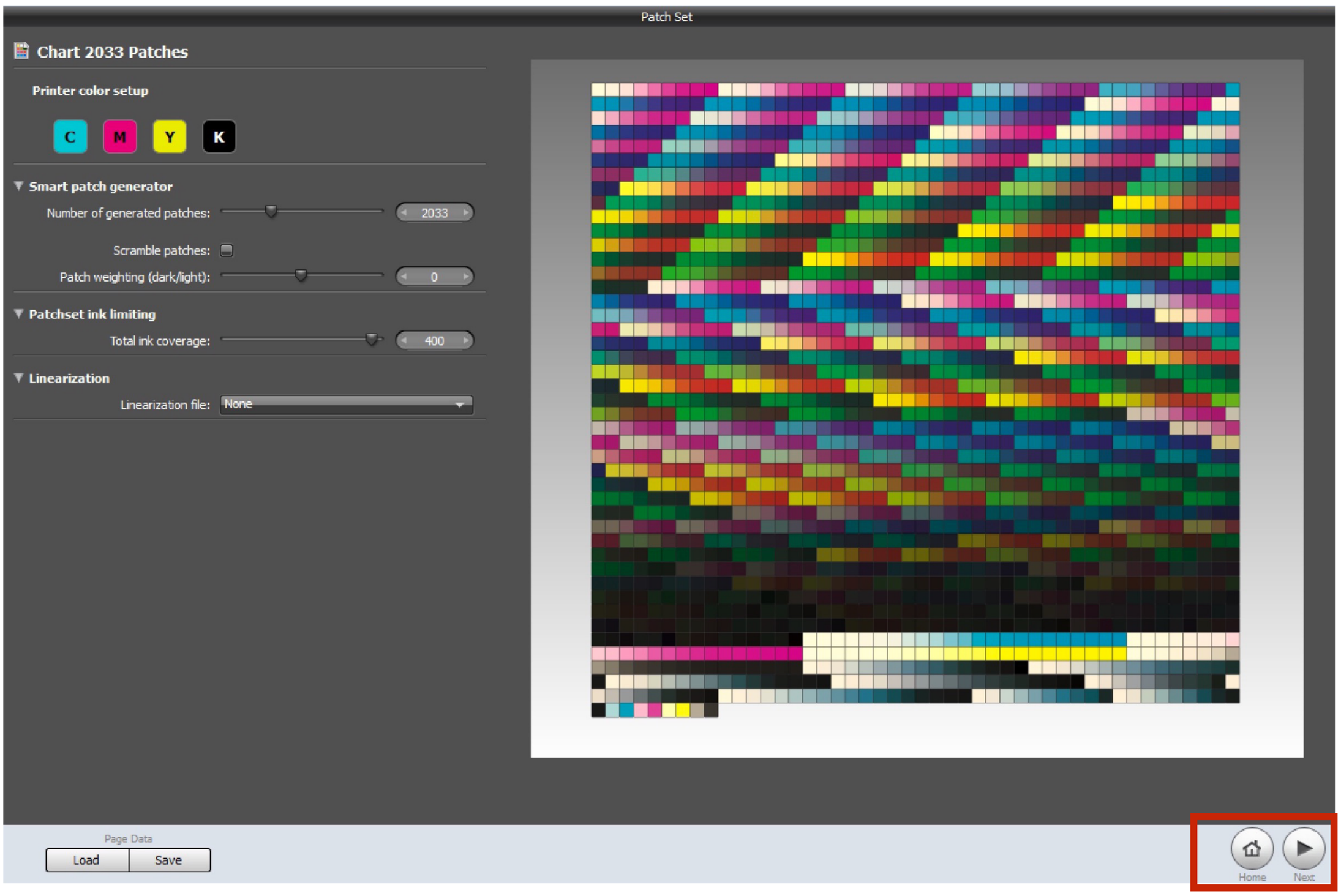
Create and export charts from i1Profiler

i1Profiler

1. Open **i1 Profiler v1.6.7 minimum** (if not please upgrade), then select CMYK or RGB printer, and select Profiling



2. Create the test chart based on your needs and select the number of patches



3. Click **Next**

4. Select the layout you want based on your needs. FD-S2w and FD-9 can measure all the charts from all the measurement devices.

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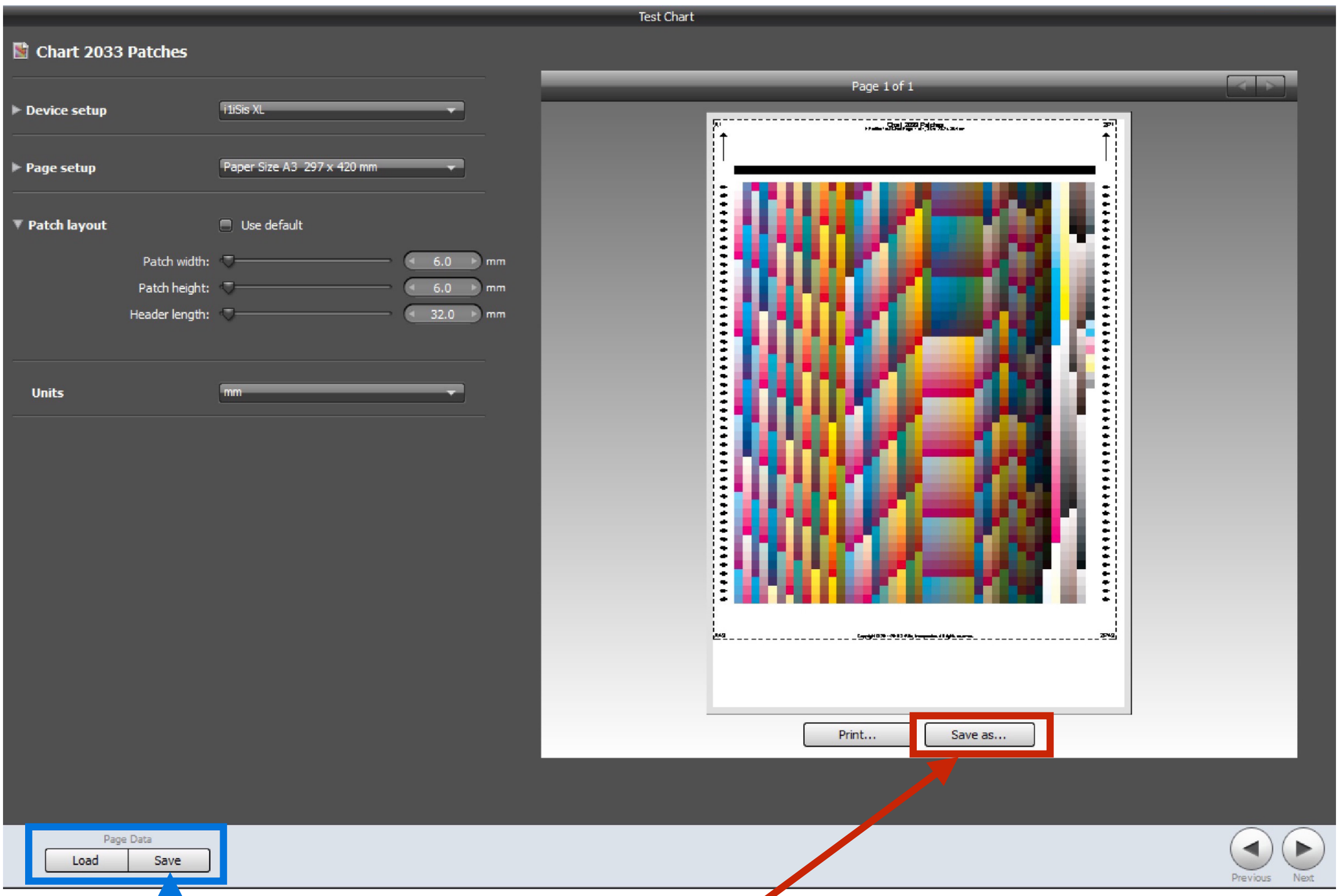
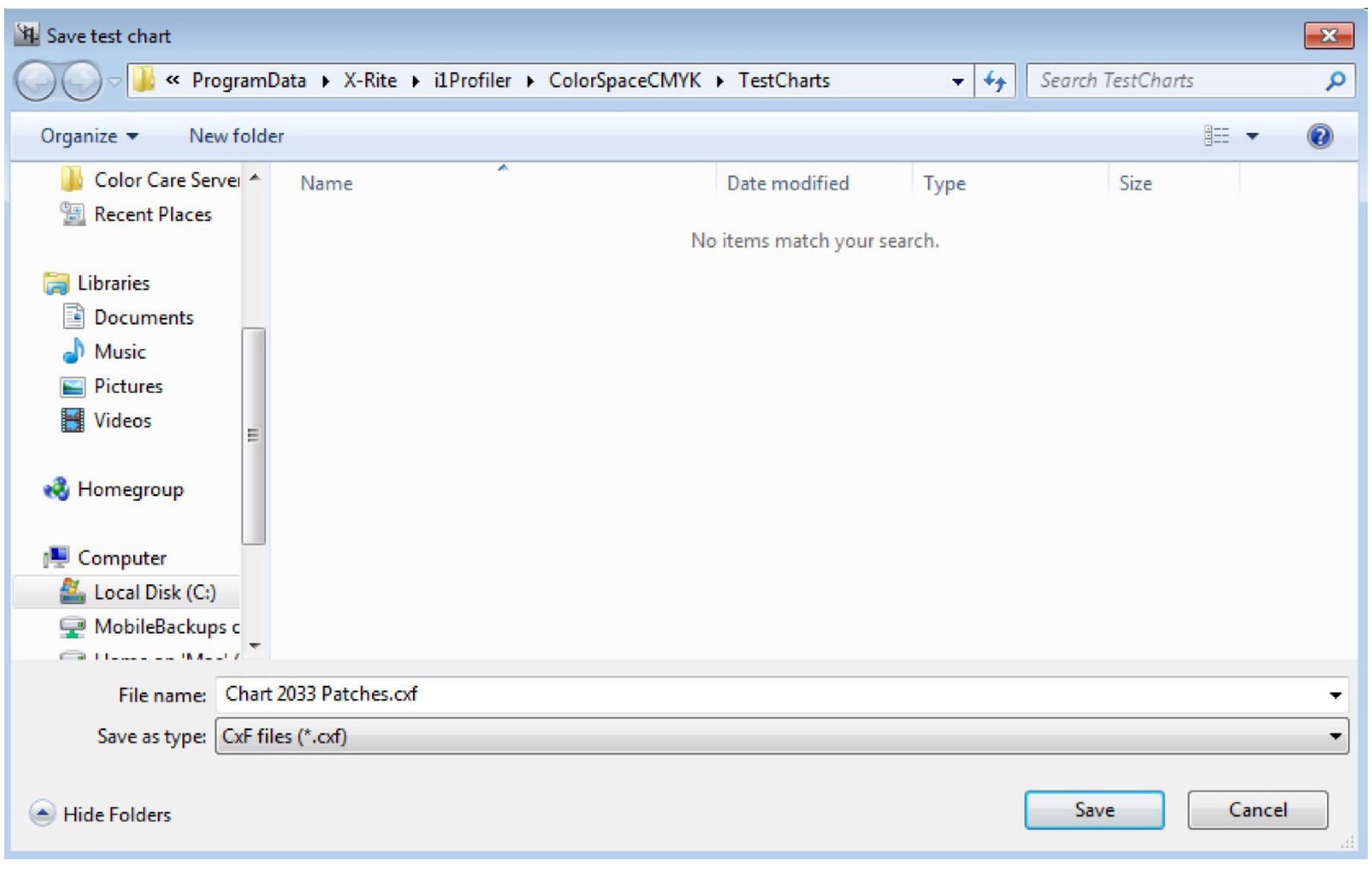
In order to minimize paper usage, we recommend to select ISIS XL as measurement device and a patch size of 6x6mm



5. Click Save as… to save the image file and print it.
6. Then, click Save button, and select **CXF file (*.cxf) format.**

If CXF File format doesn't appear in the list, most likely you're not using min v1.6.7, please upgrade.



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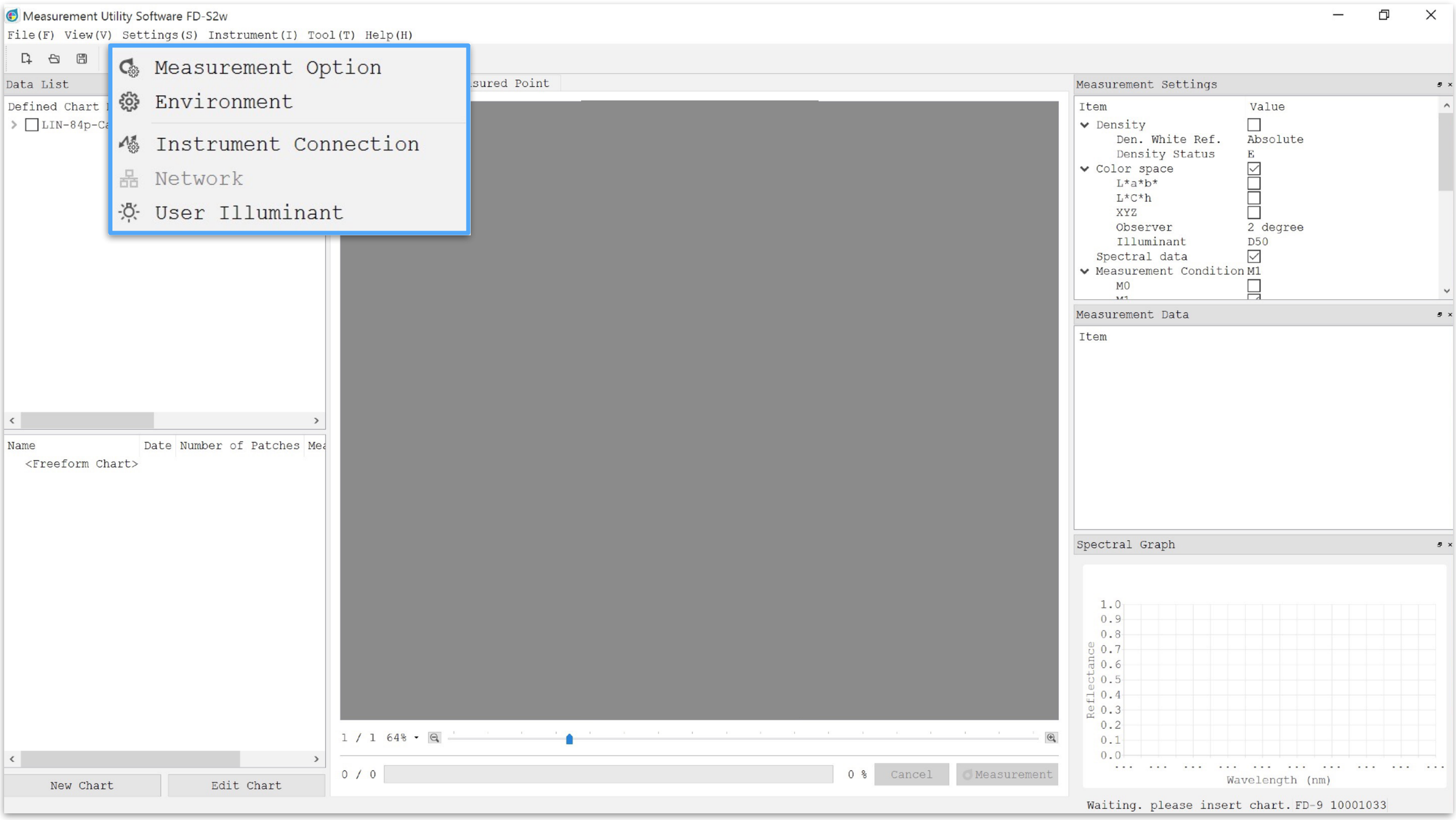
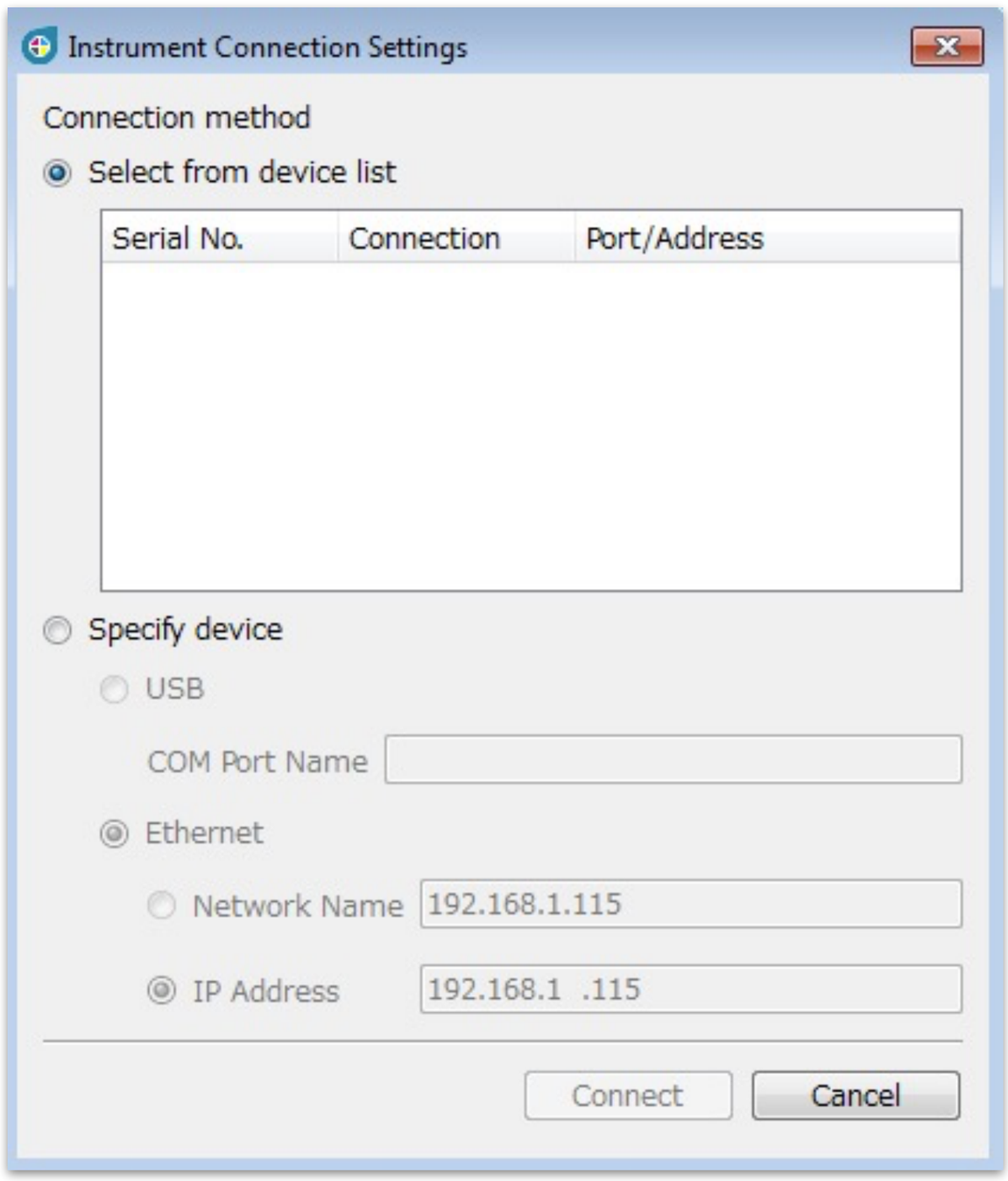
Setup of FD-S2w

FD-S2w

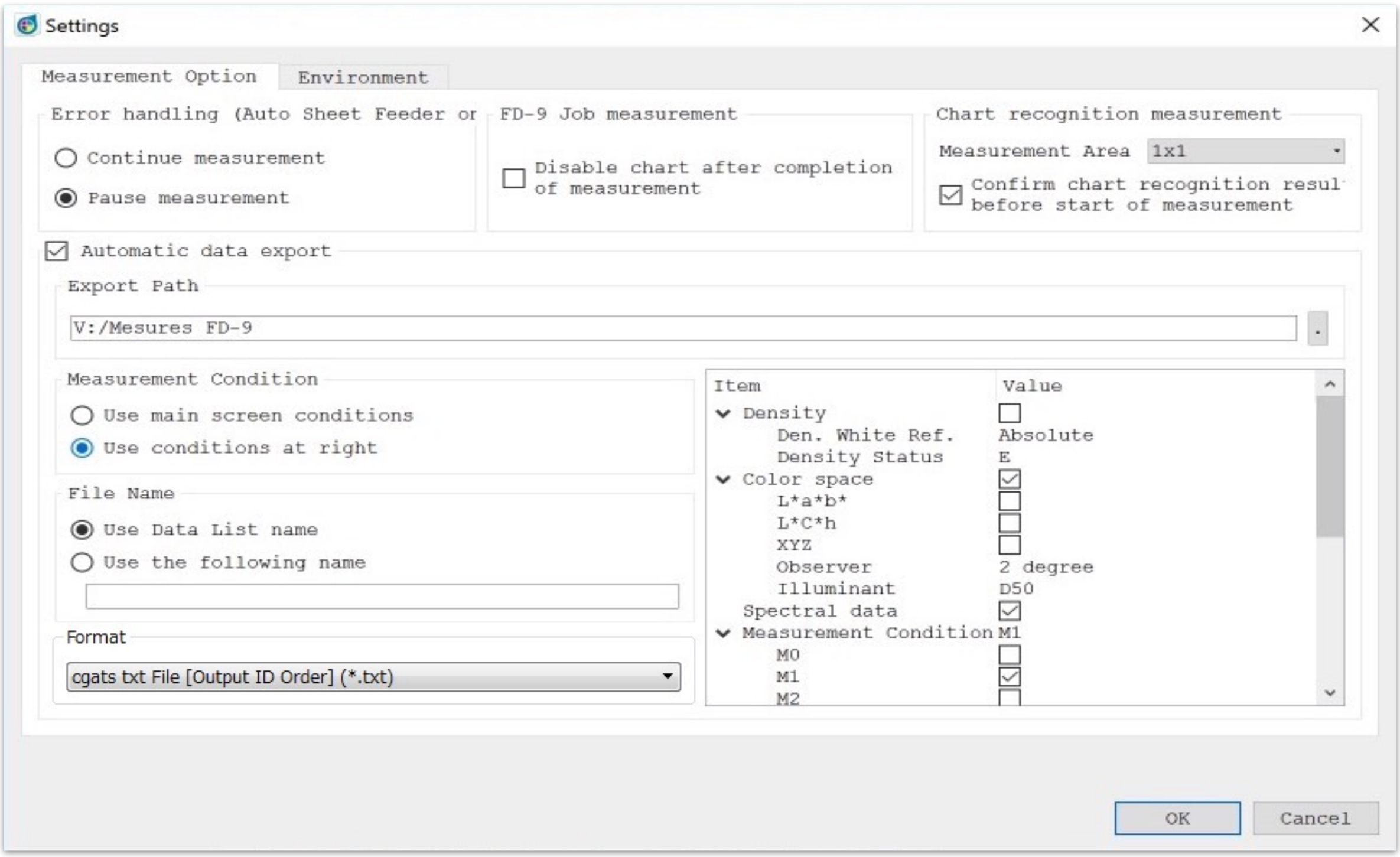
1. If this is the first time you launch FD-S2w, you need to configure it.
Click on **SETTINGS / Instrument Connection** (the configuration has to be done only once)



2. Depending on the connection you prefer, select USB or enter the IP address previously set in the FD-9, or select the device in the list (automatic detection)

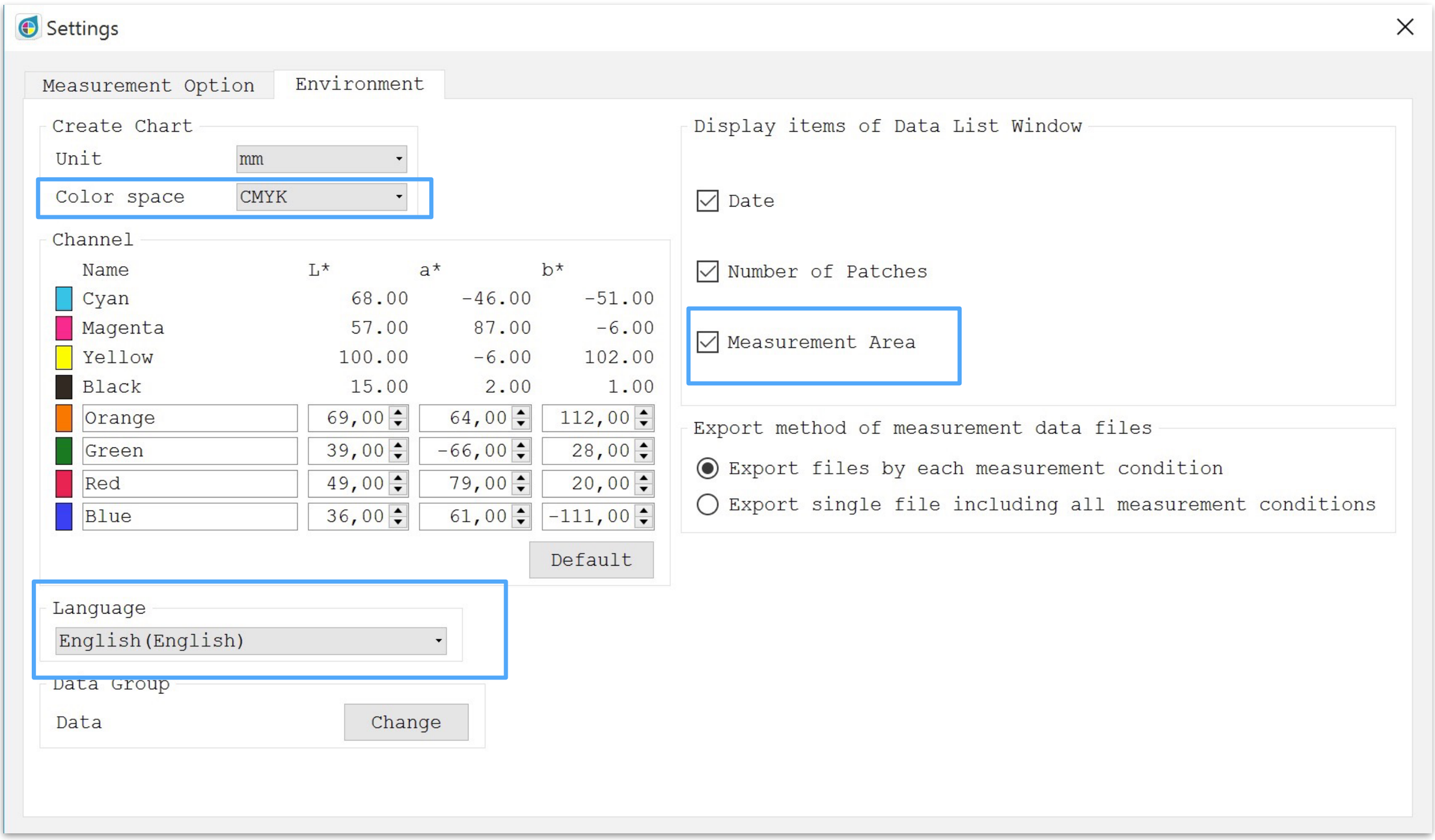


3. Once the device is connected, select **SETTINGS / Measurement Option**



- Select the following parameters:
  - Confirm chart recognition result before start of measurement.
  - Select “Automatic data export”: create a folder to save measurements. This way, FD-S2w will automatically export the measurements into the specified folder.
  - Select “Use conditions at right” and please make sure to select:
    - Deactivate Density
    - Activate only colorspace
    - Activate Spectral Data
    - Activate only M1 as measurement condition (or M2 / M0 depending on your needs)
  - Use Data List name.
  - Format: please use **CGATS txt File (Output ID Order) (*.txt)**

4. Once the device is connected, select **SETTINGS / Measurement Option**



- Select the following parameters:
  - Color space: CMYK
  - Measurement area
  - Language: your language

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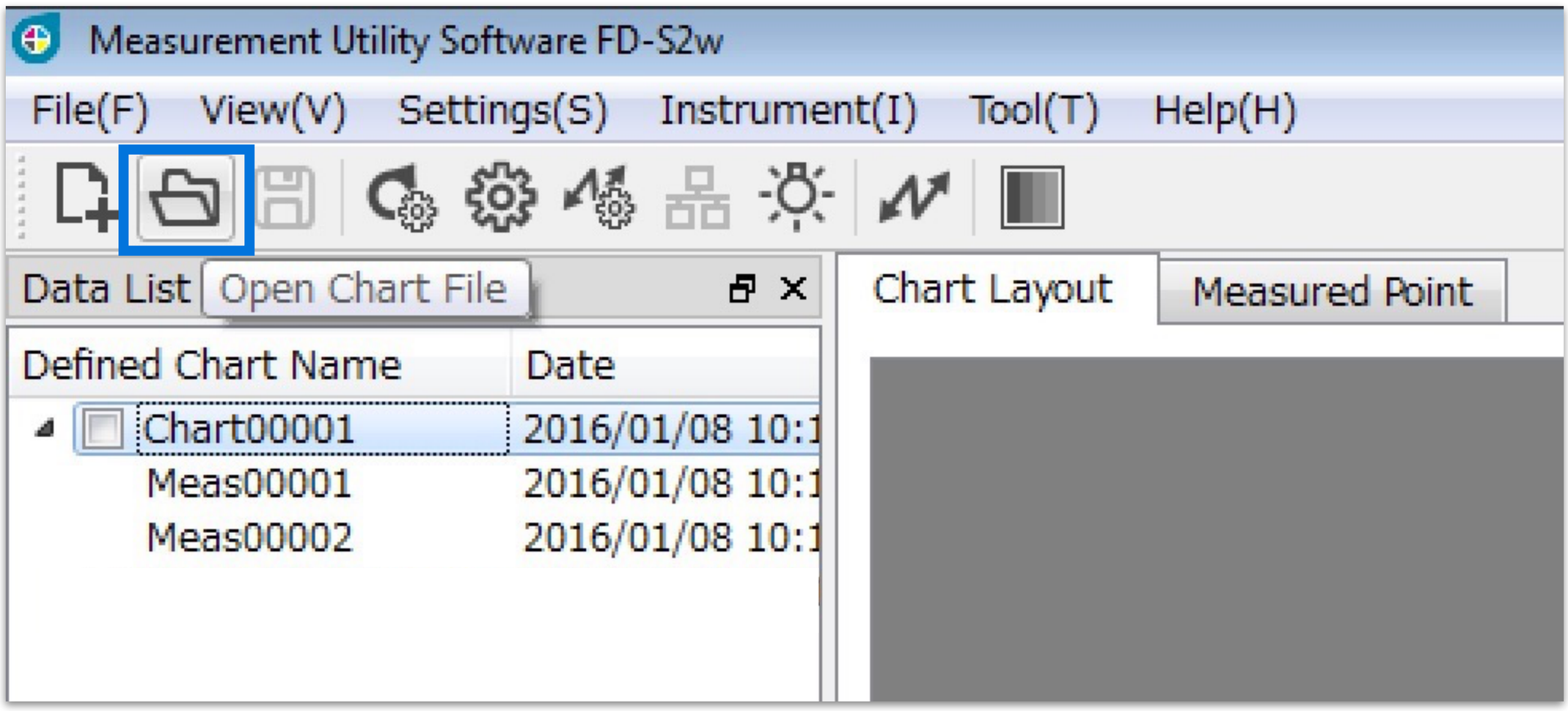
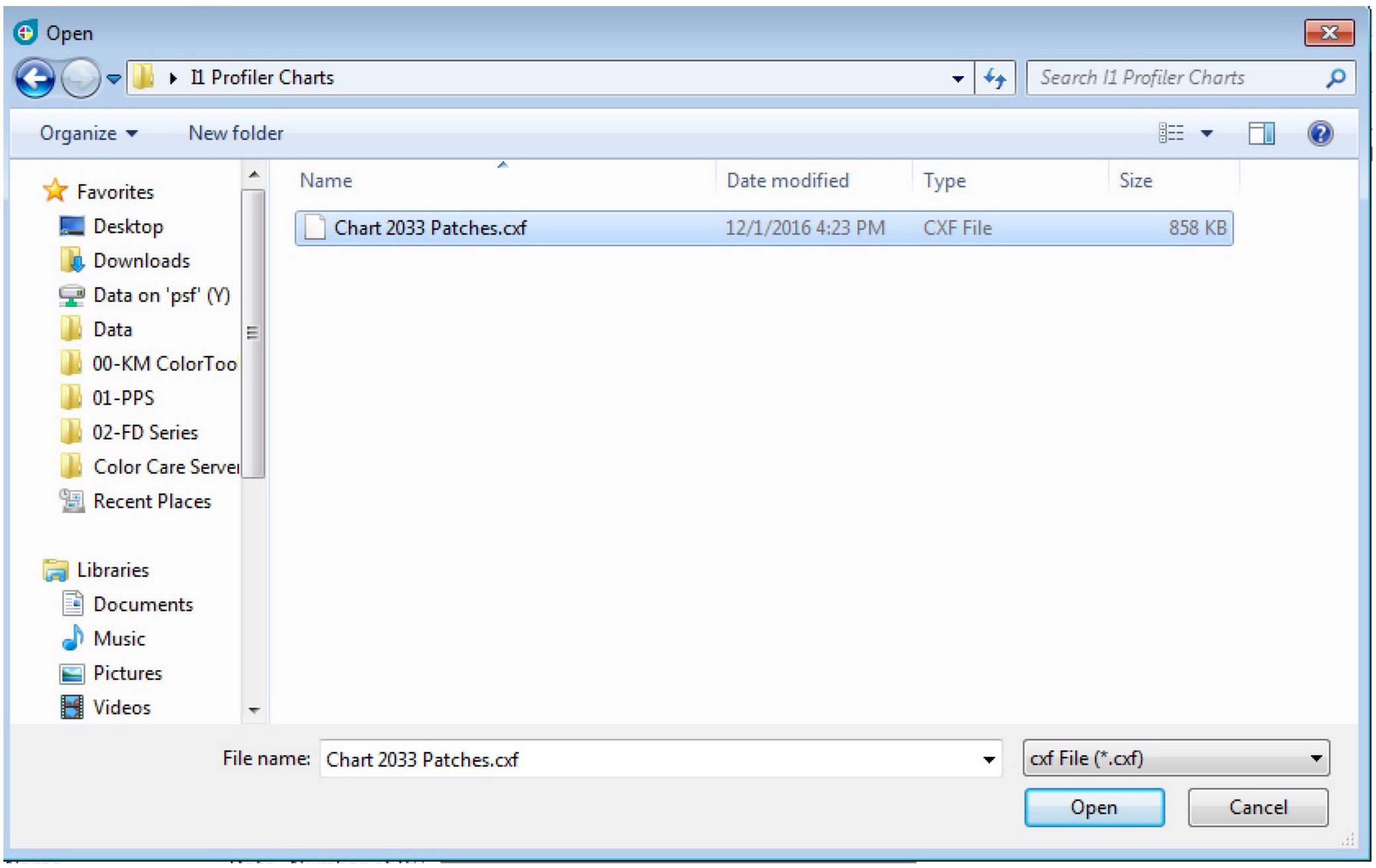
Import charts from i1Profiler in FD-S2w

FD-S2w

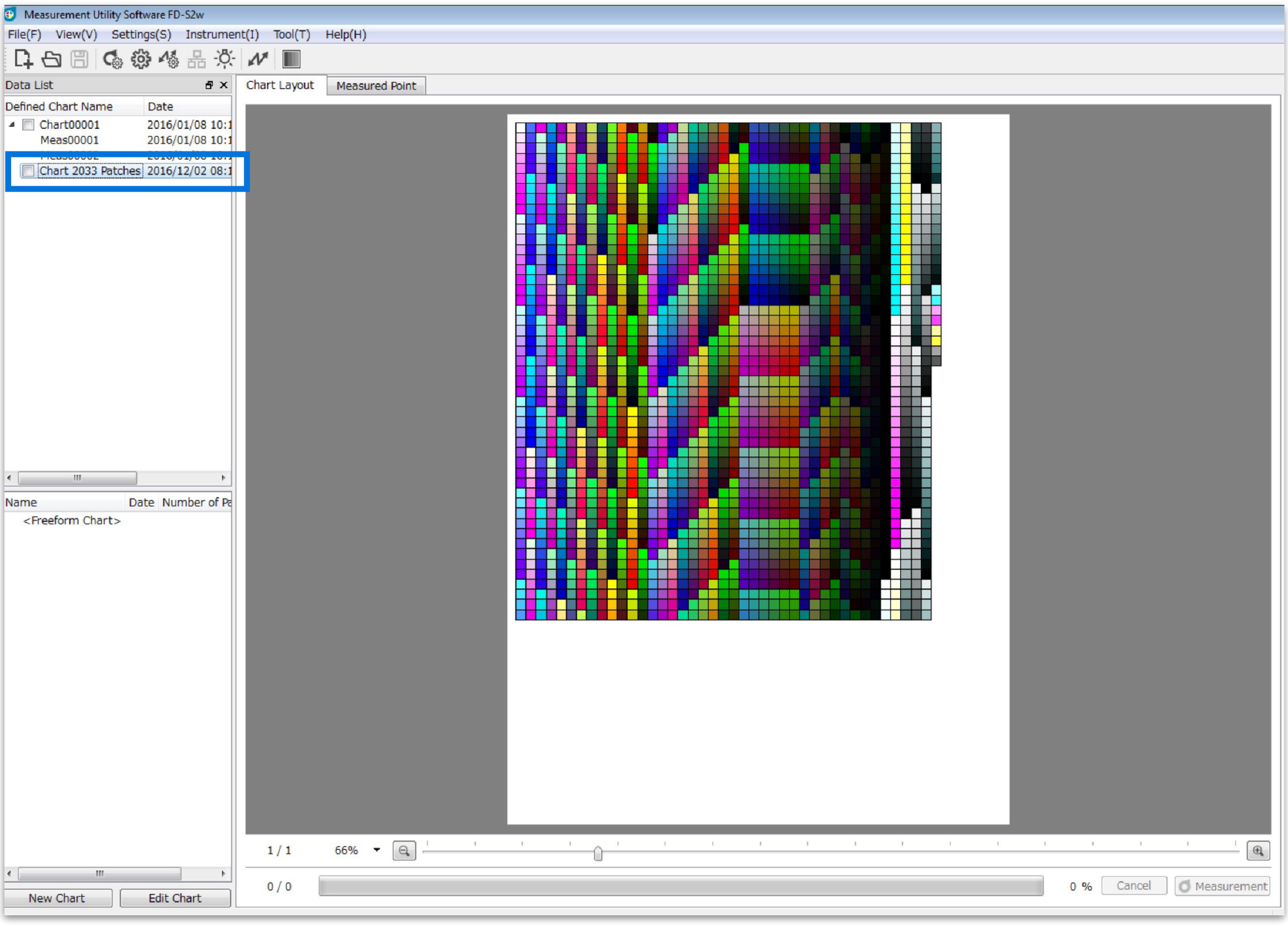
1. Open FD-S2w, then click **Open Chart File**



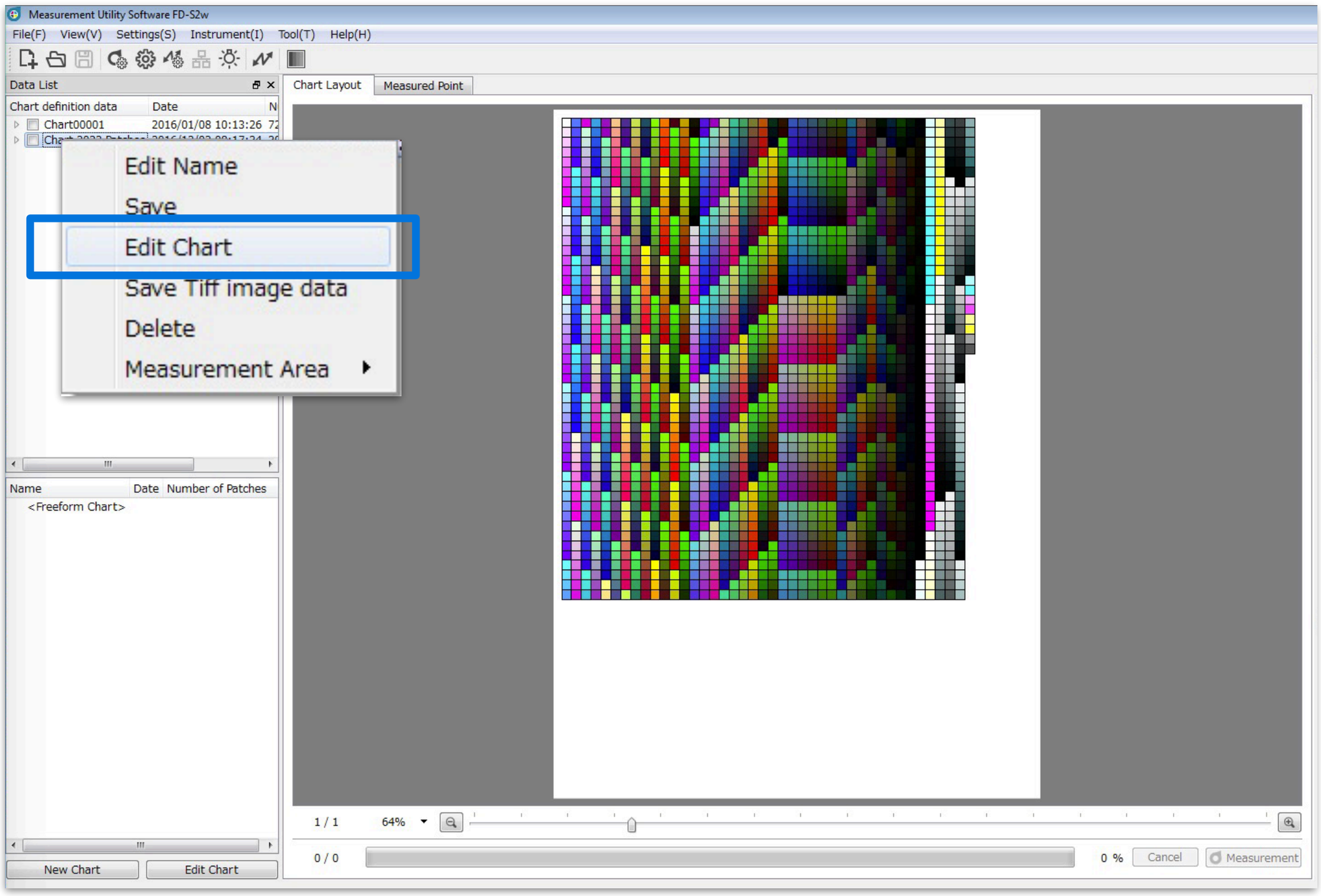
2. Select **cxf File (*.cxf)** as file format and select the chart you have exported previously from i1Profiler



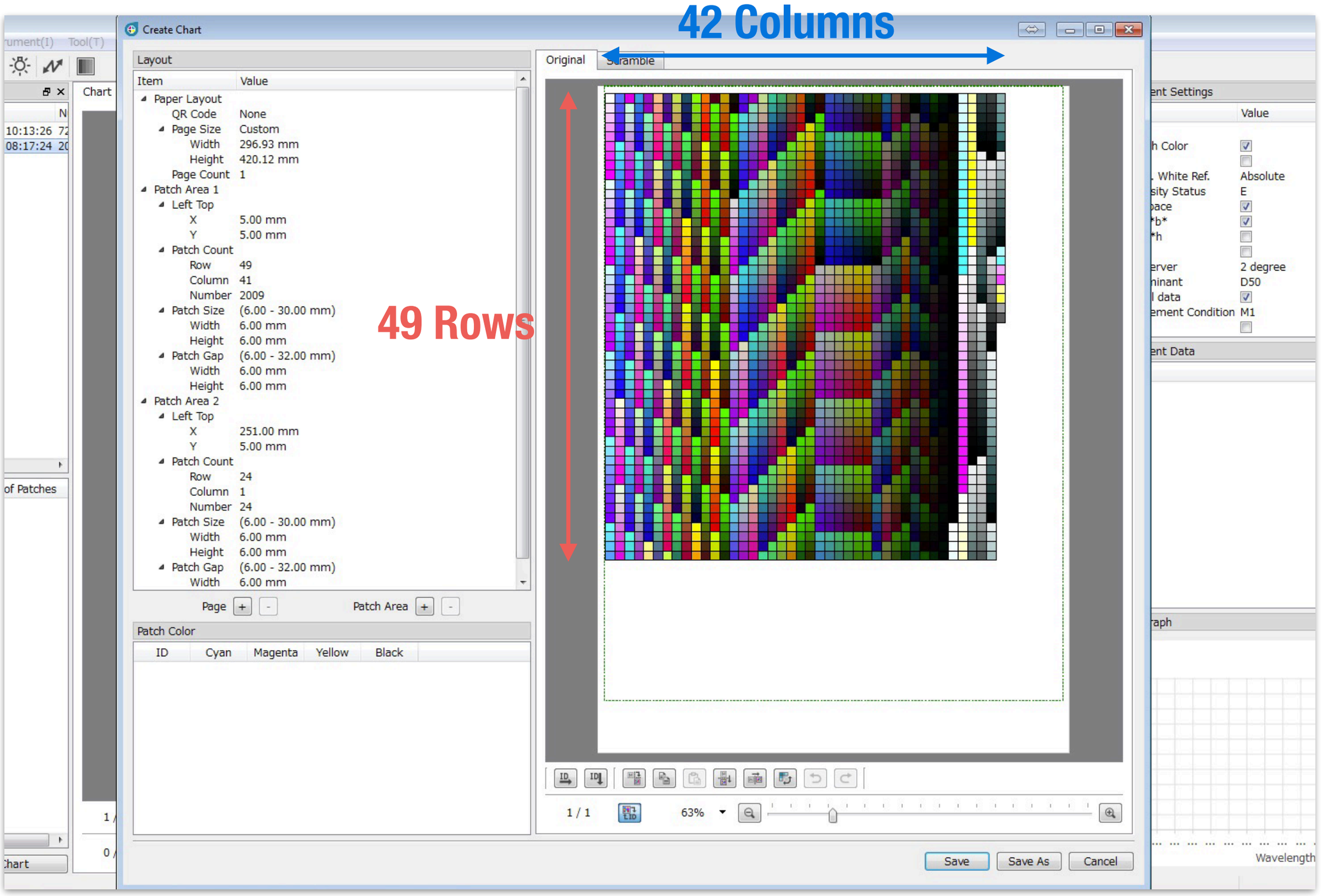
3. The chart has been successfully imported into FD-S2w



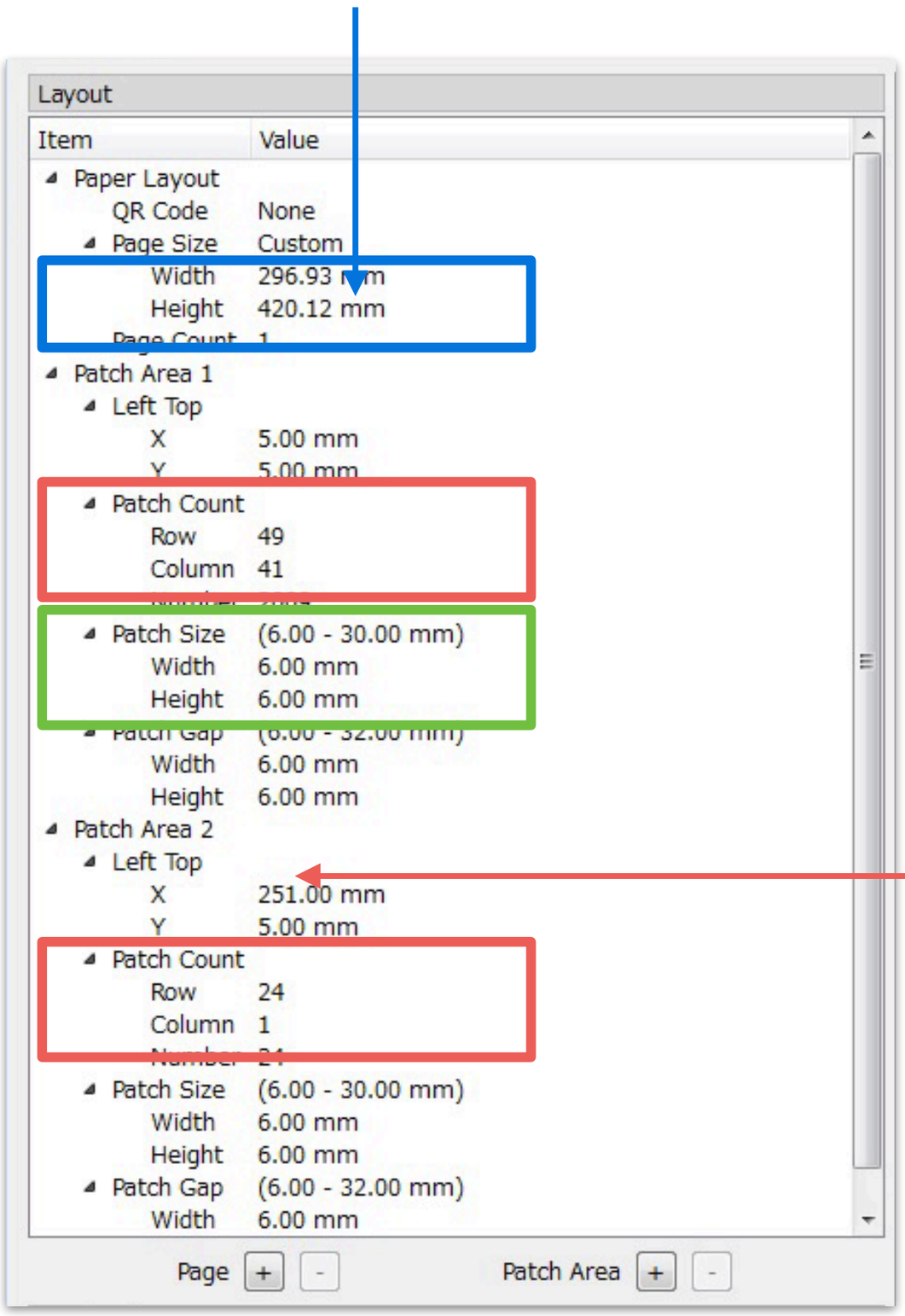
4. The page format needs to be modified manually. Please do **right click** the template and select **Edit Chart**



5. A new windows opens called **Create Chart**



6. You need to modify the page size based on the real size of the chart



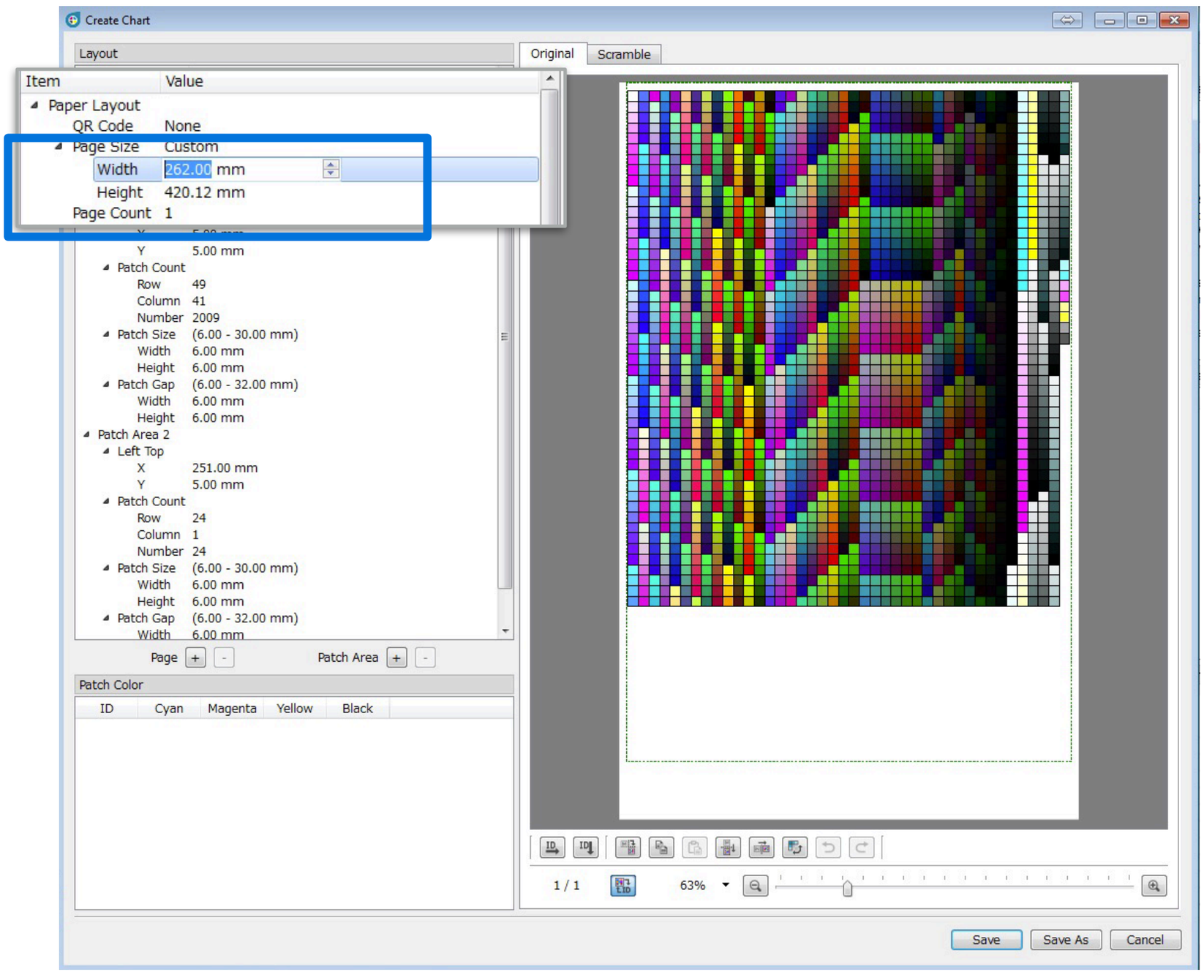
<u>Please apply the following calculation for WIDTH</u>:

- Total Column x Patch Size
- (41 + 1) x 6mm = 252 mm
- Then please add 10mm
- 252mm + 10mm = 262 mm

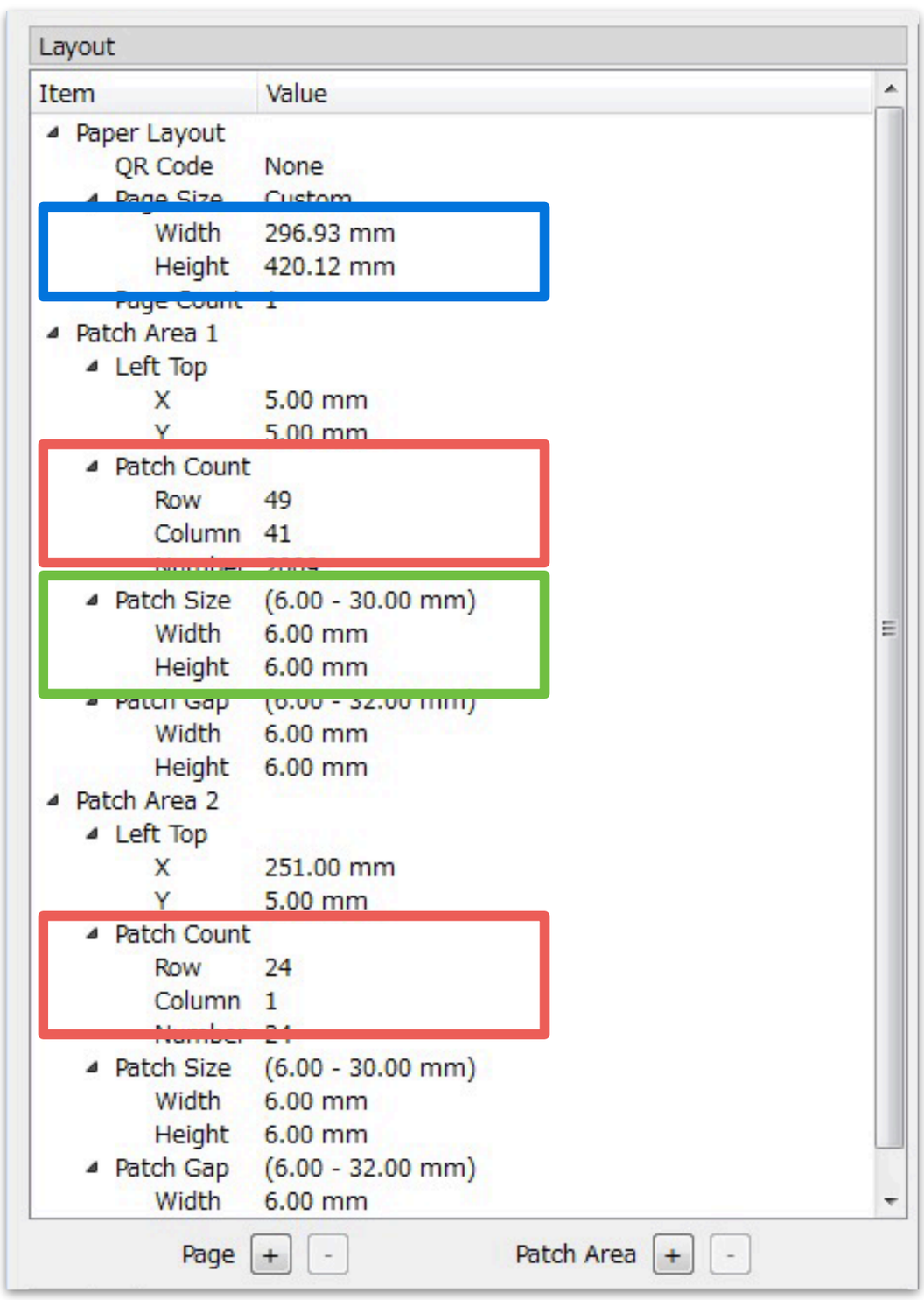
Please enter **262mm** in WIDTH

i1 Profiler always creates a second measurement area when blank patches are generated, make sure to count the additional column in your calculation

7. Enter the value found for WIDTH: **262mm** in our example. You'll see the white space is reduced to the real width of the chart



8. Please apply the following calculation for HEIGHT

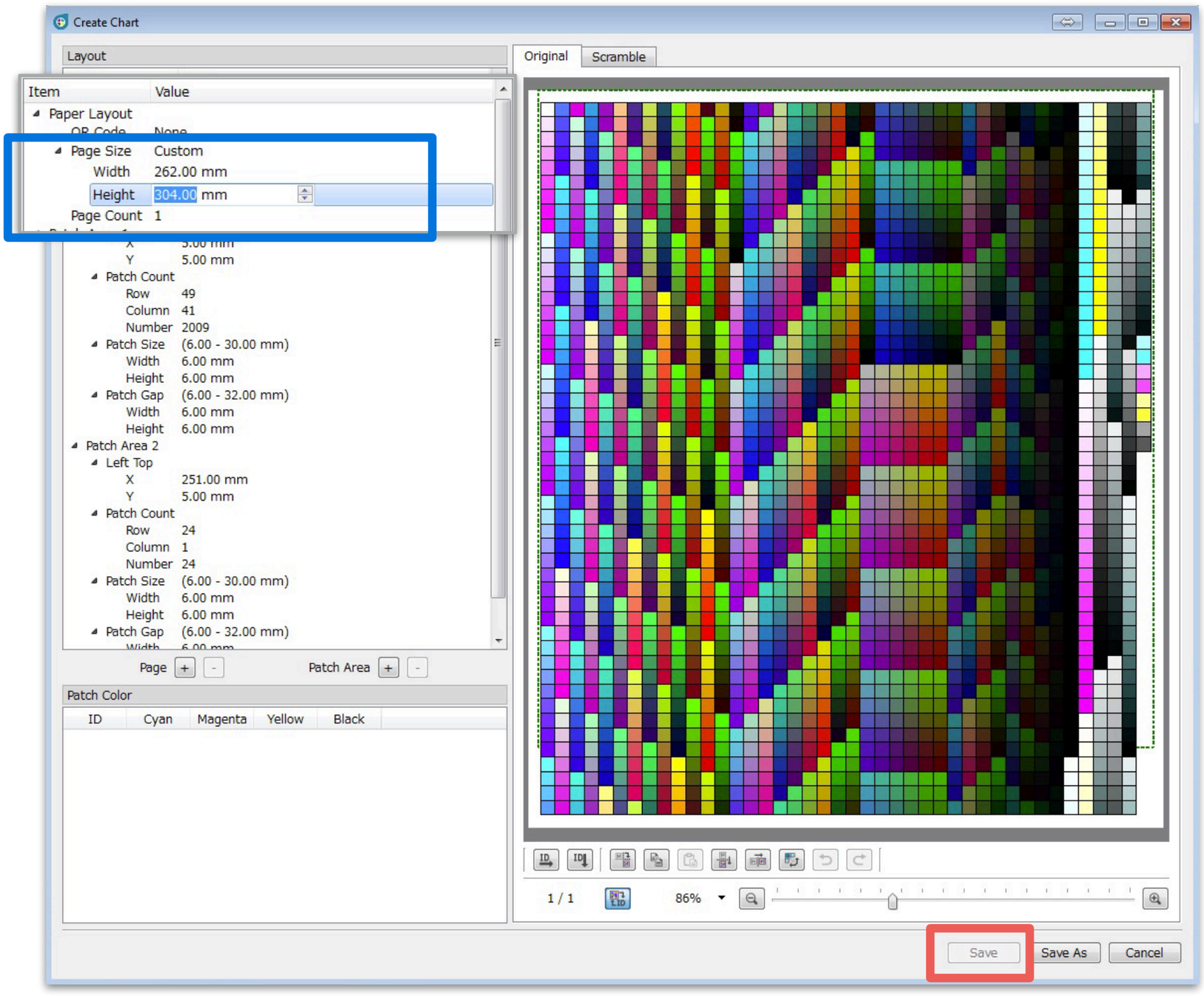


<u>Do the following for HEIGHT</u>:

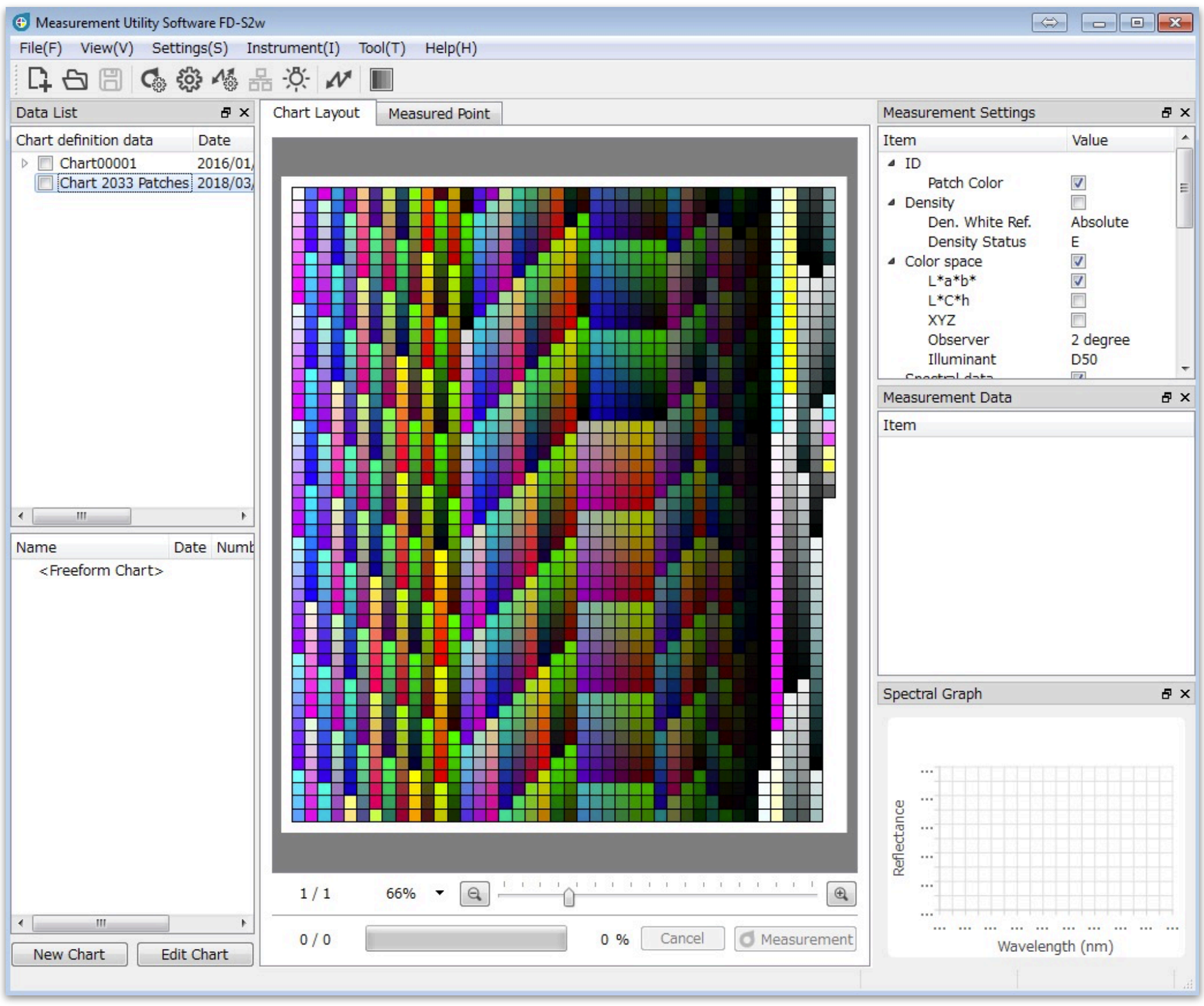
- Total Row x Patch Size
- **49** x **6mm** = **294 mm**
- Then please add 10mm
- 294mm + 10mm = 304 mm

Please enter **304mm** in HEIGHT

9. Enter the value found for HEIGHT: **304mm** in our example. You'll see the white space is reduced to the real height of the chart



10. Click **Save**. You can now continue the procedure and insert the chart



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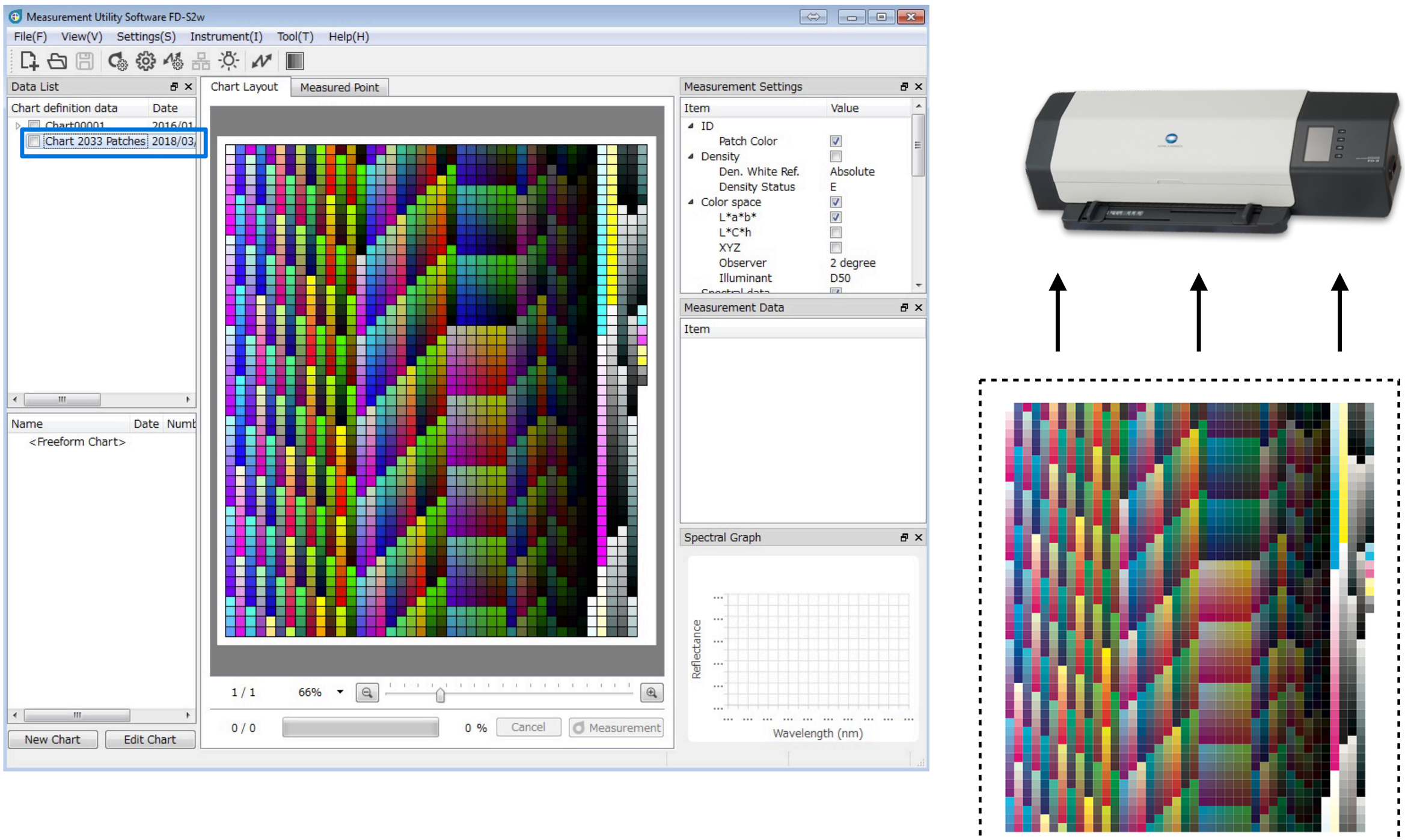
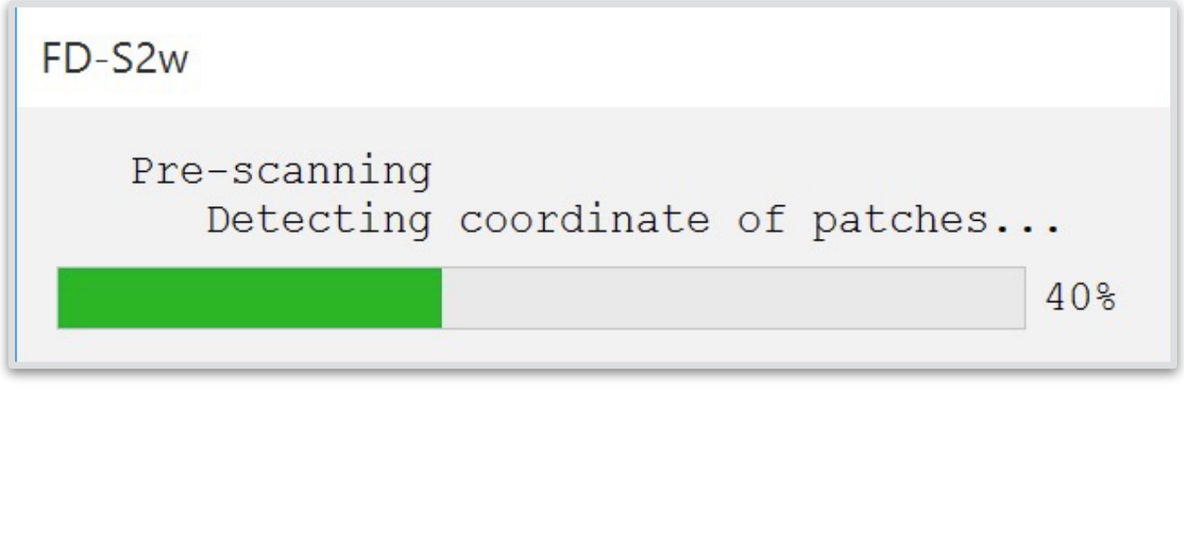
Measure and export measurements from FD-S2w

FD-S2w

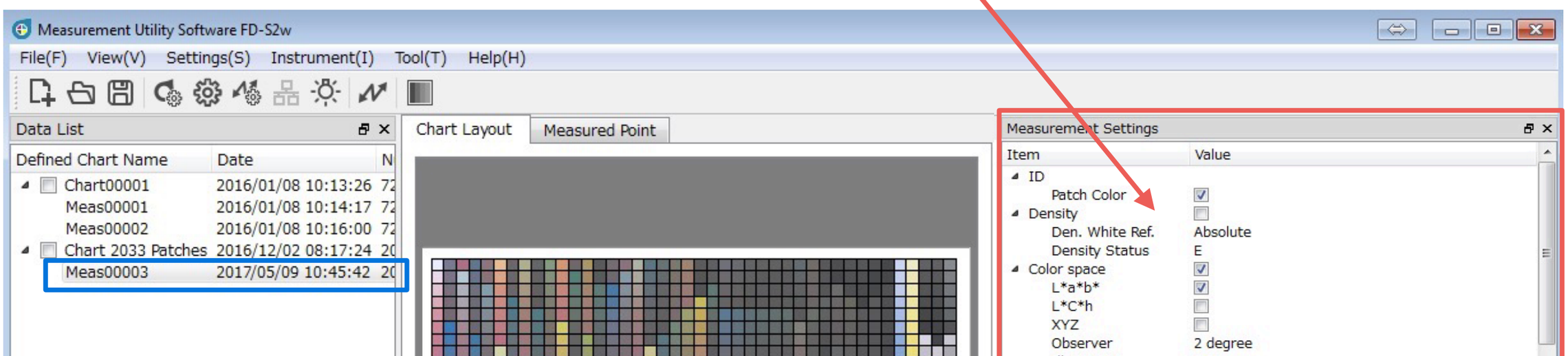
1. Click on the template on the top left to highlight it, then load the printed test chart in the same way the patch are displayed on the screen.



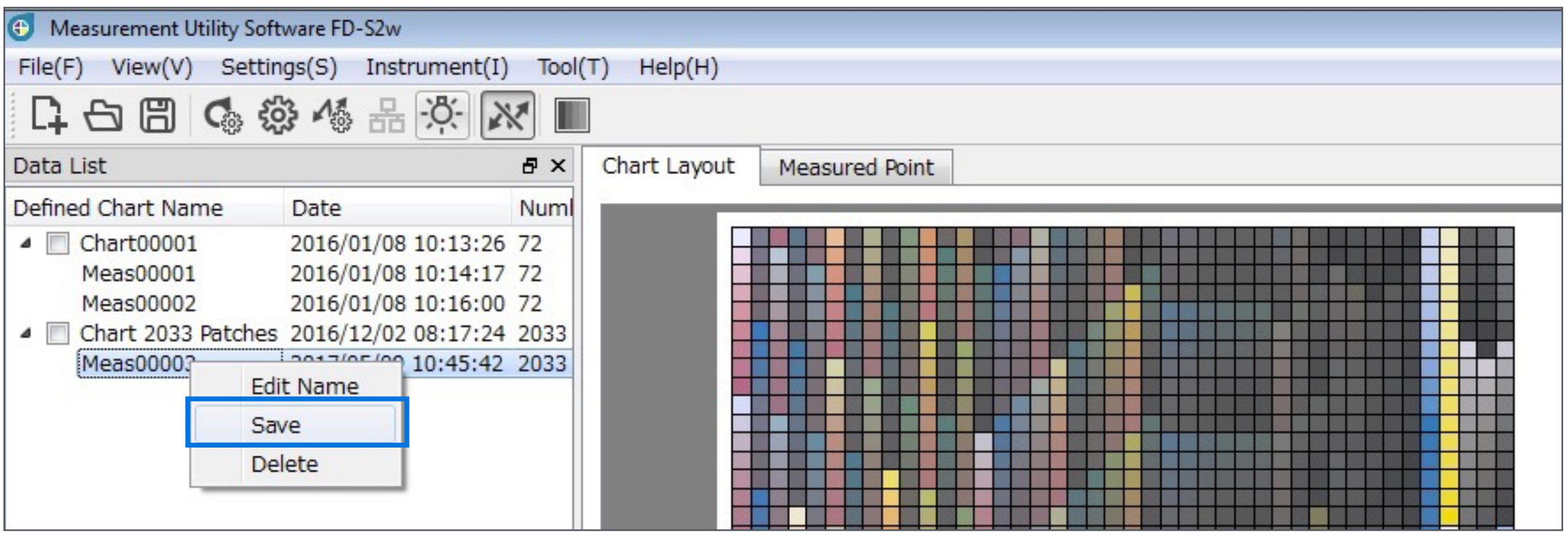
2. **FD-9** is now detecting the patches by comparing the scanned image with the reference data contained in the .xml file



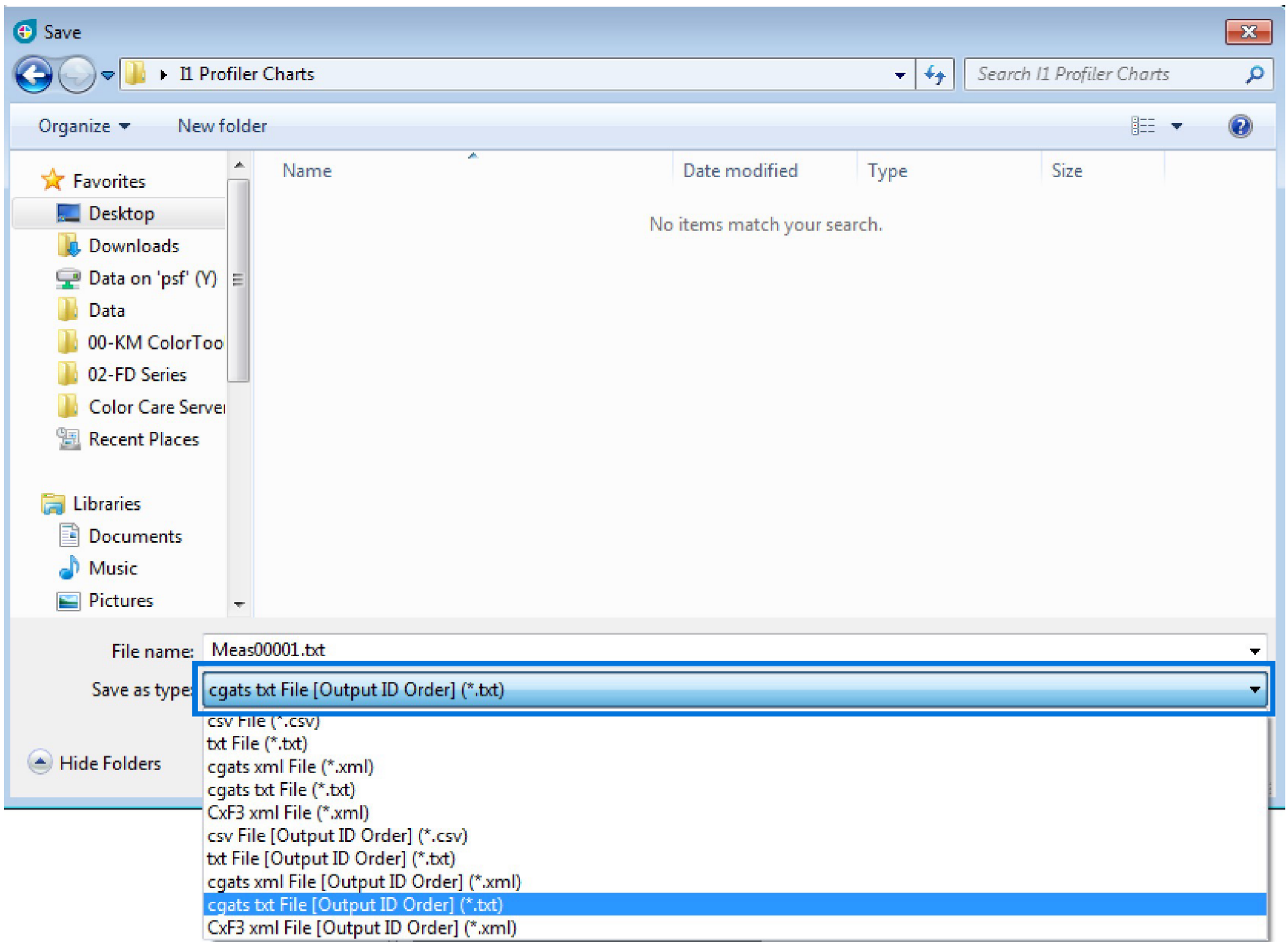
3. After the measurement is successfully done, **activate the Spectral Data box**, and select the measurement condition (M1, M0, M2, etc) you want to export



4. Then right click the measurement and clic **Save**



5. Select **CGATS txt File (Output ID order) (*.txt)** file format



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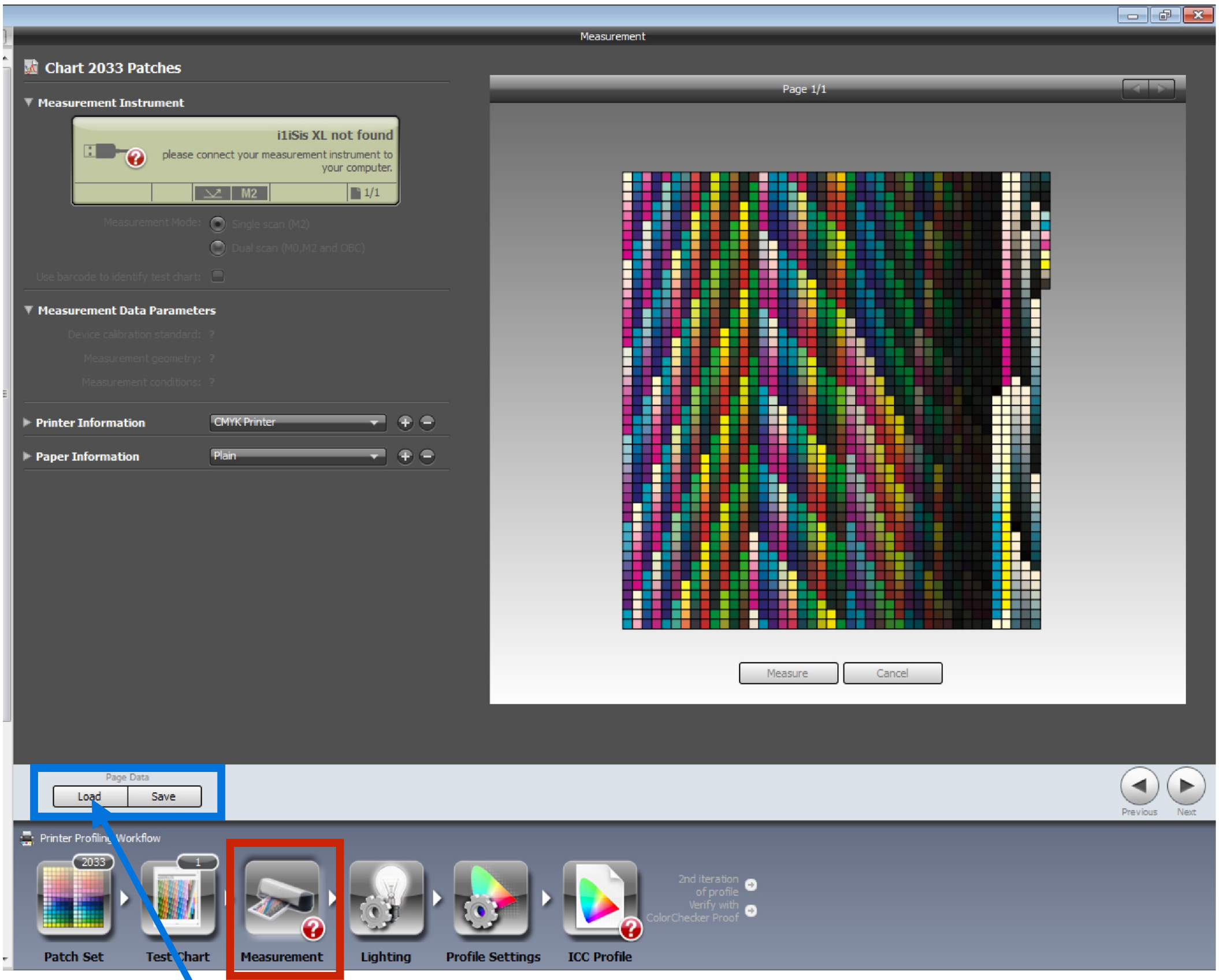
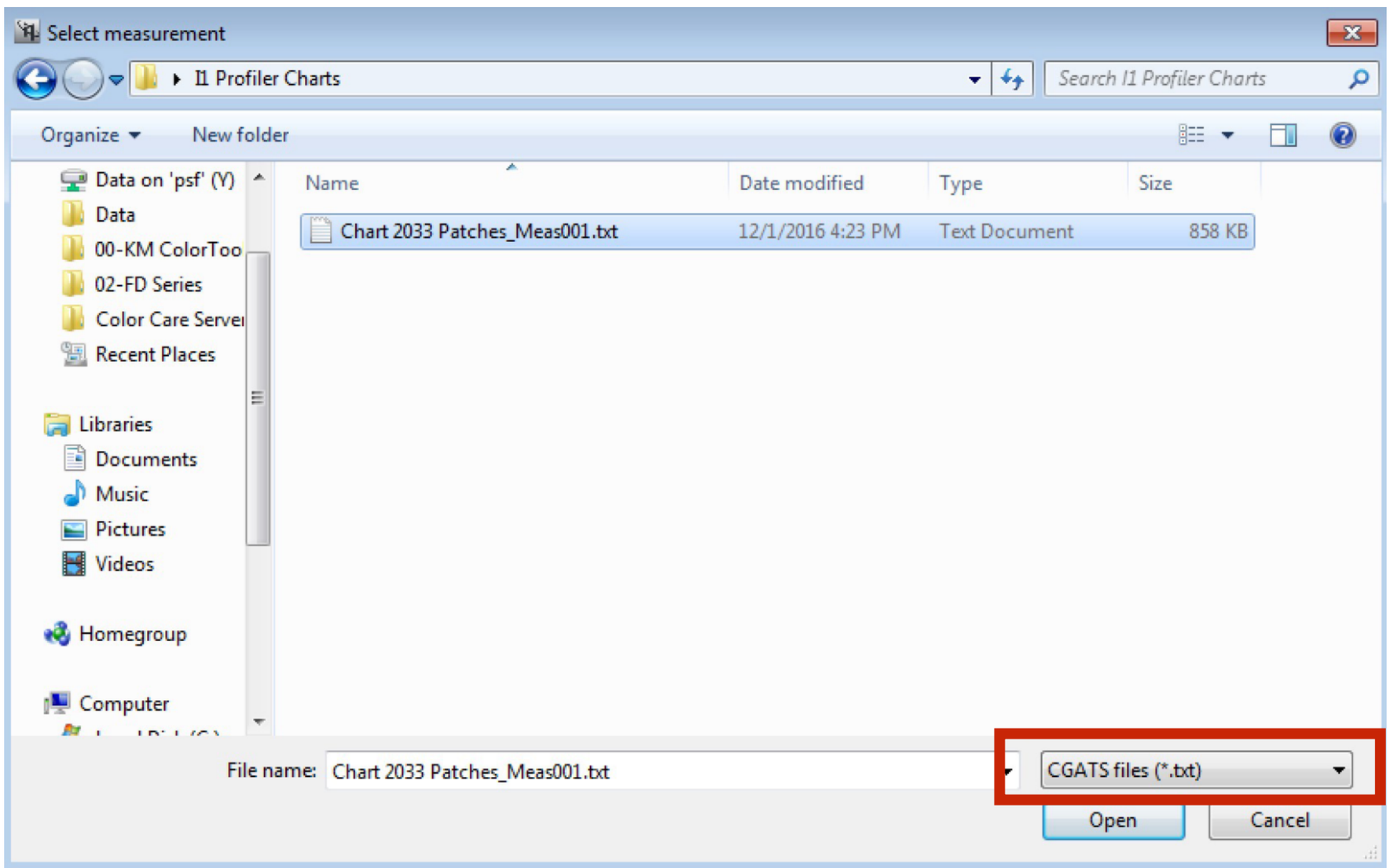
Import measurements from FD-S2w in I1Profiler

I1Profiler

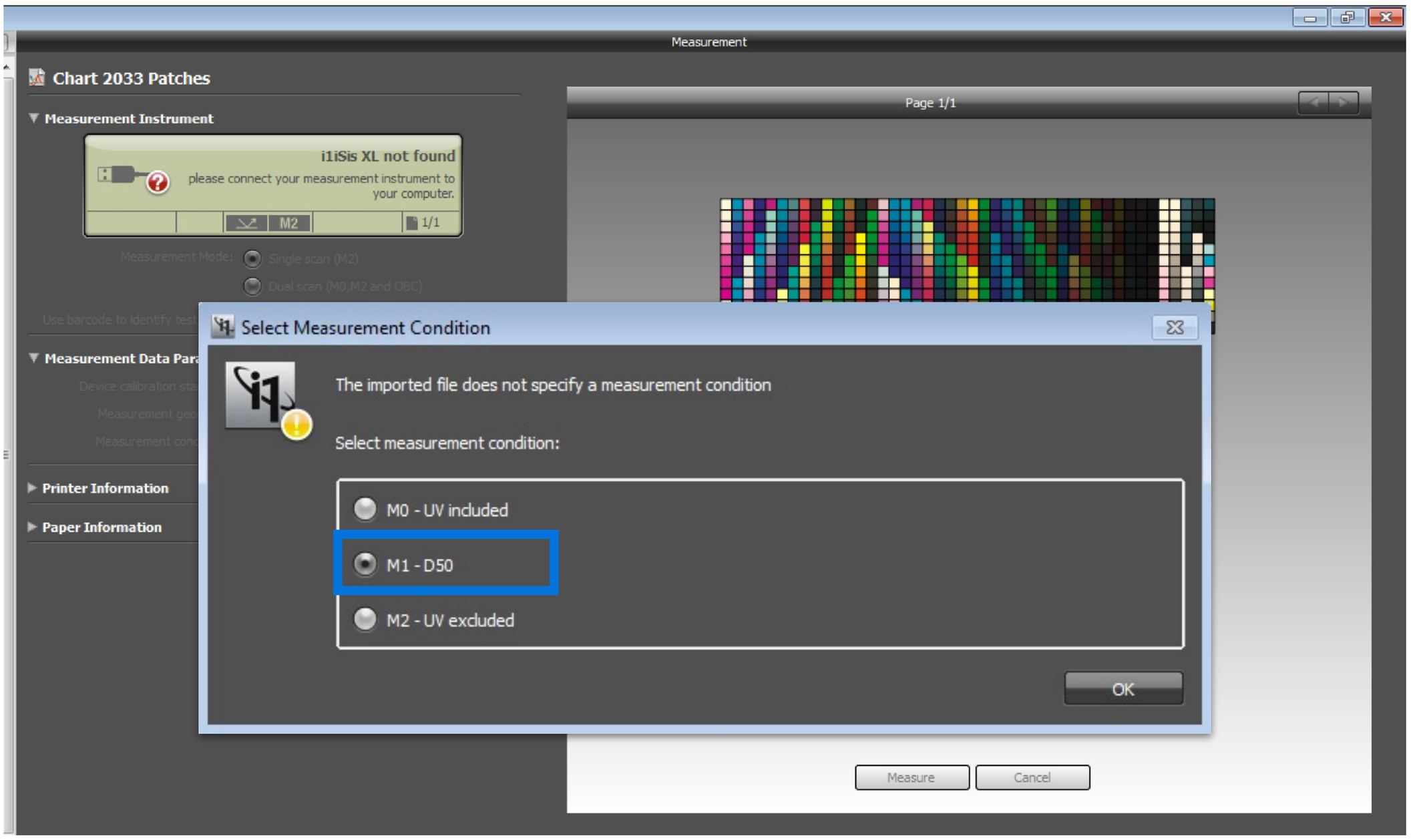
1. Go to Measurement area and select **Load Page Data**



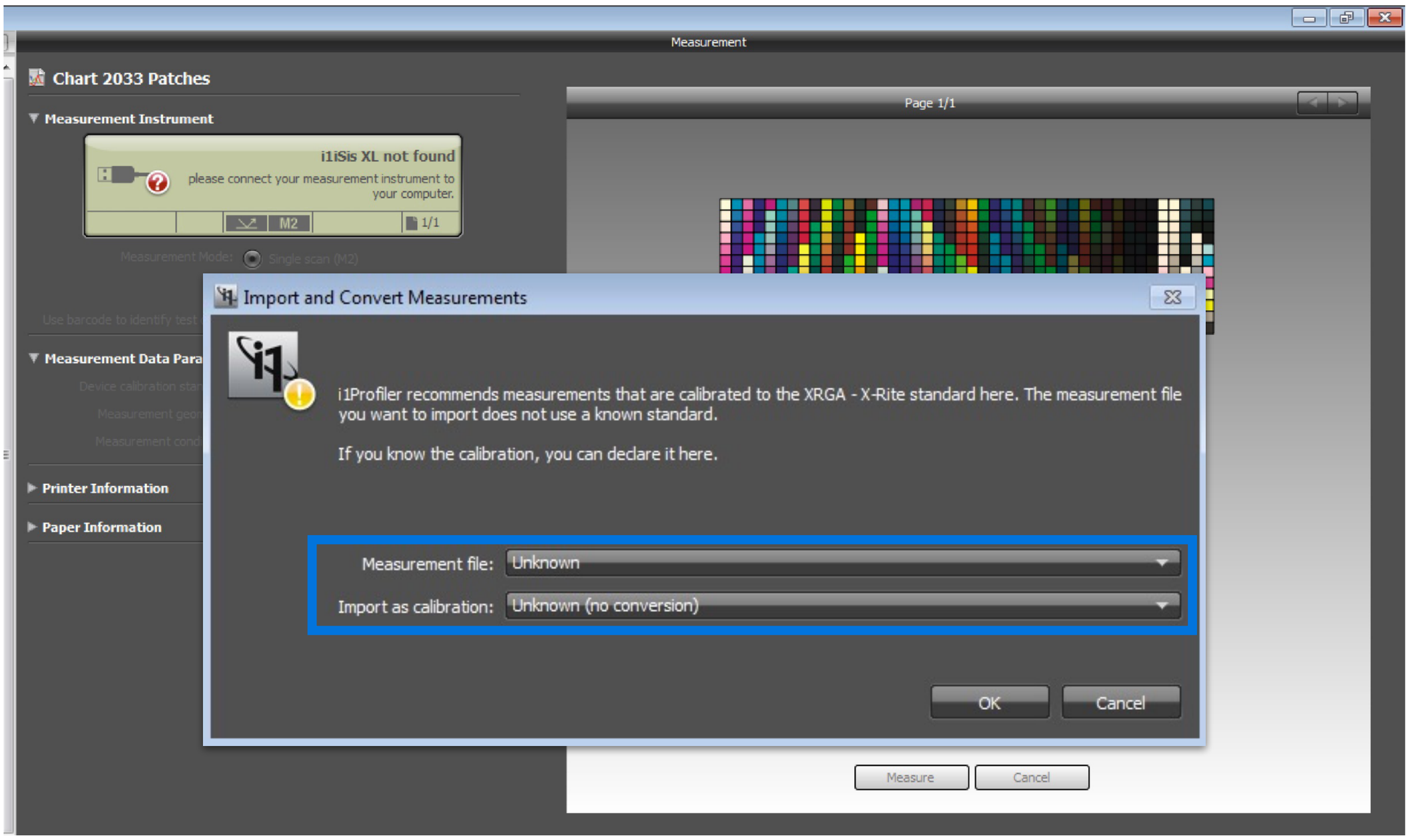
2. Select Load Page data in Measurement area and select the CGATS file you have previously exported from FD-S2w



3. Select the measurement condition previously selected in FD-S2w



4. Please select **Unknown** to avoid I1Profiler to convert the data



5. You can now continue the profiling process from I1Profiler. End of tutorial