

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)

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 downloaded 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

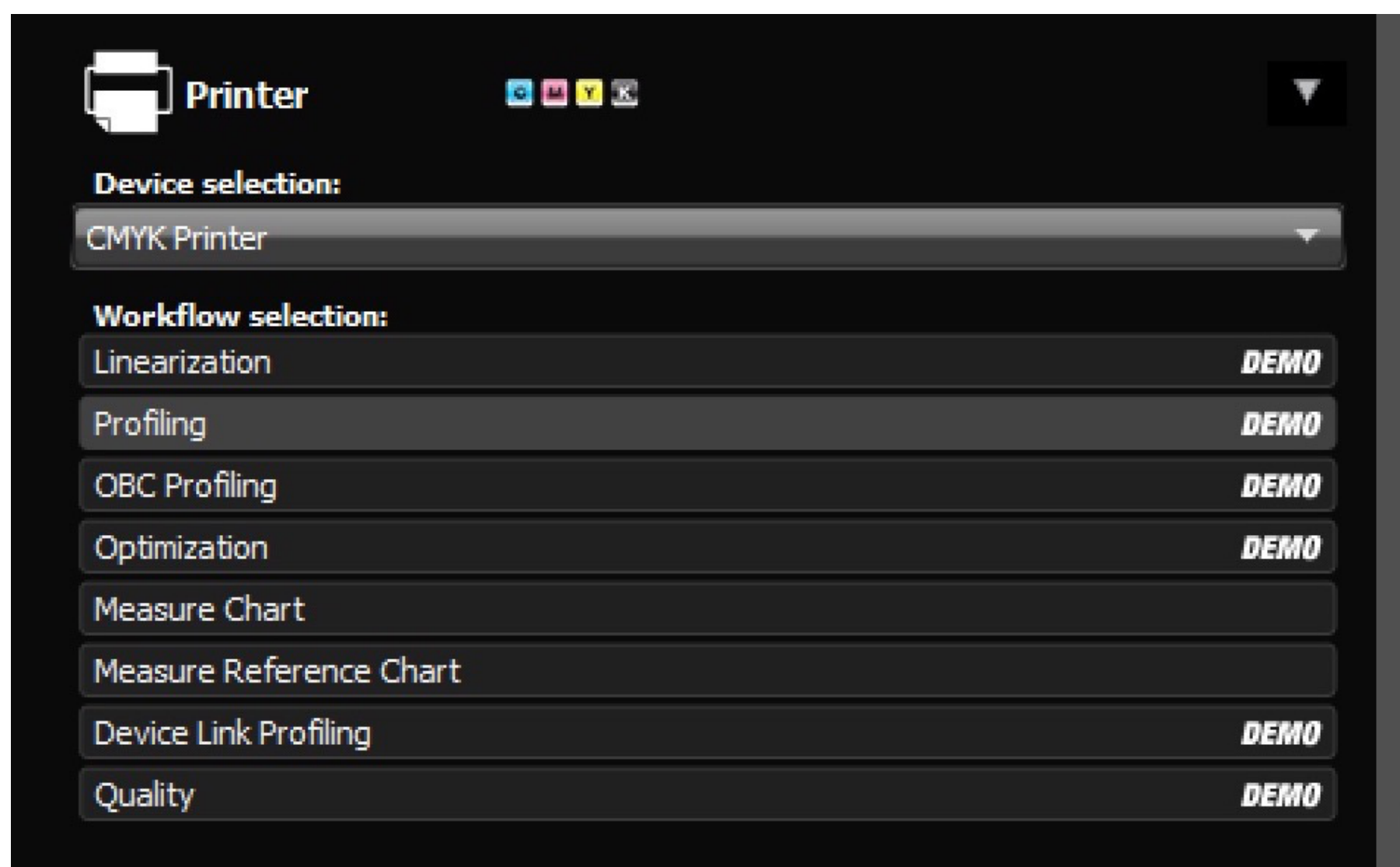
Installation of FD-S2w:

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

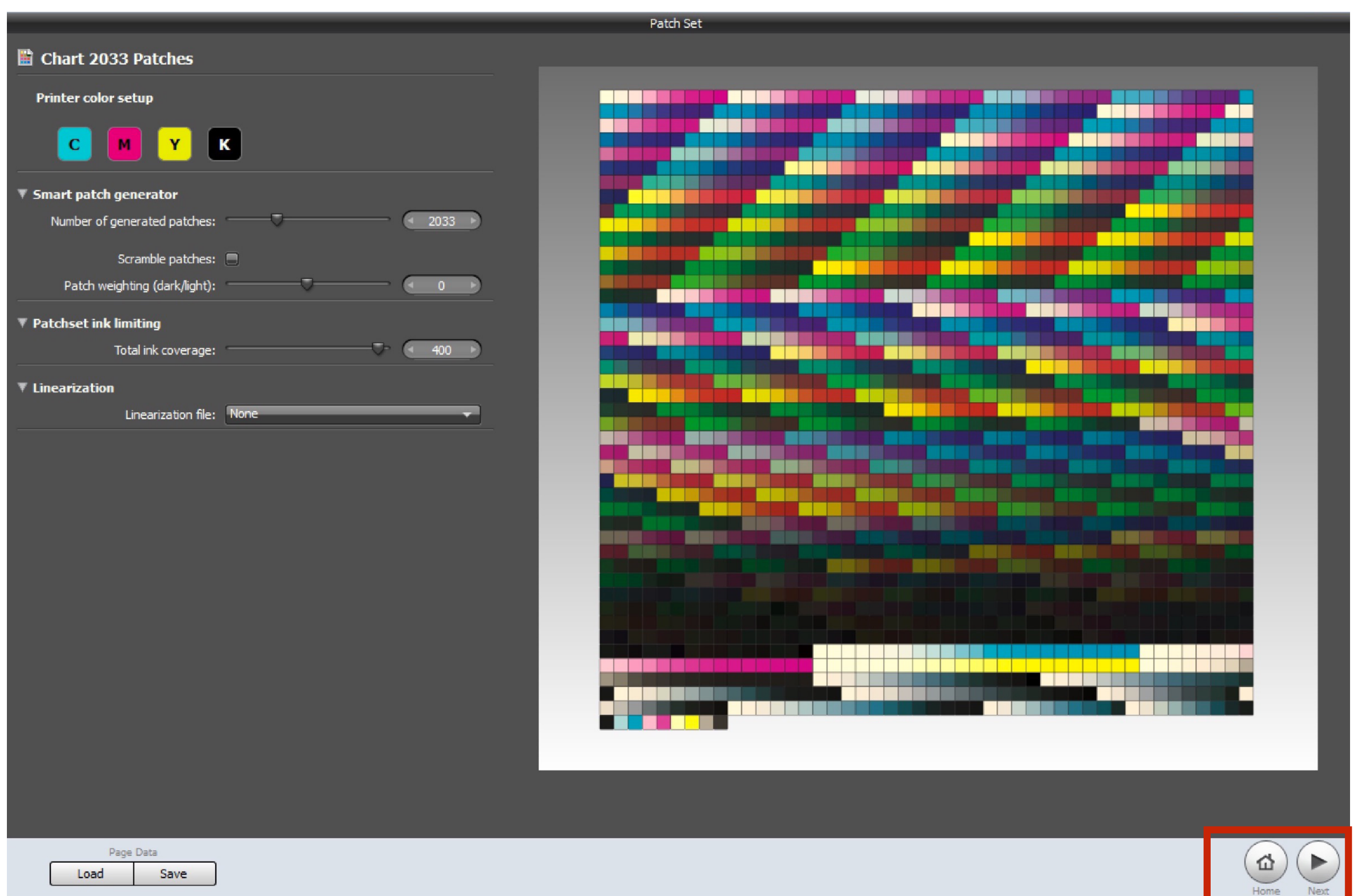
Create and export charts from i1 Profiler

i1 Profiler

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

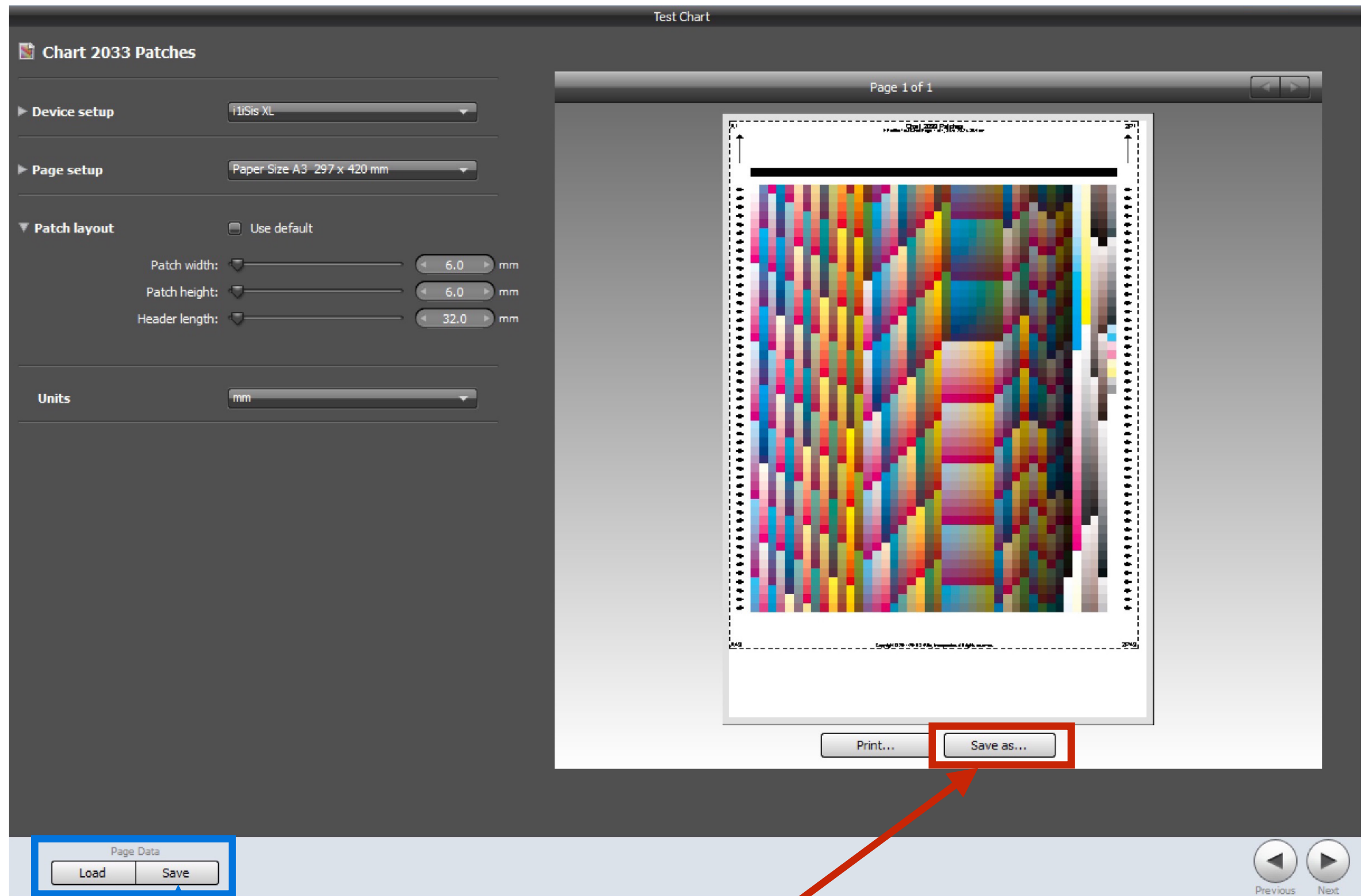


3. Click Next
4. Select the layout you want based on your needs. FD-S2w and FD-9 can measure all the charts from all the measurement devices.



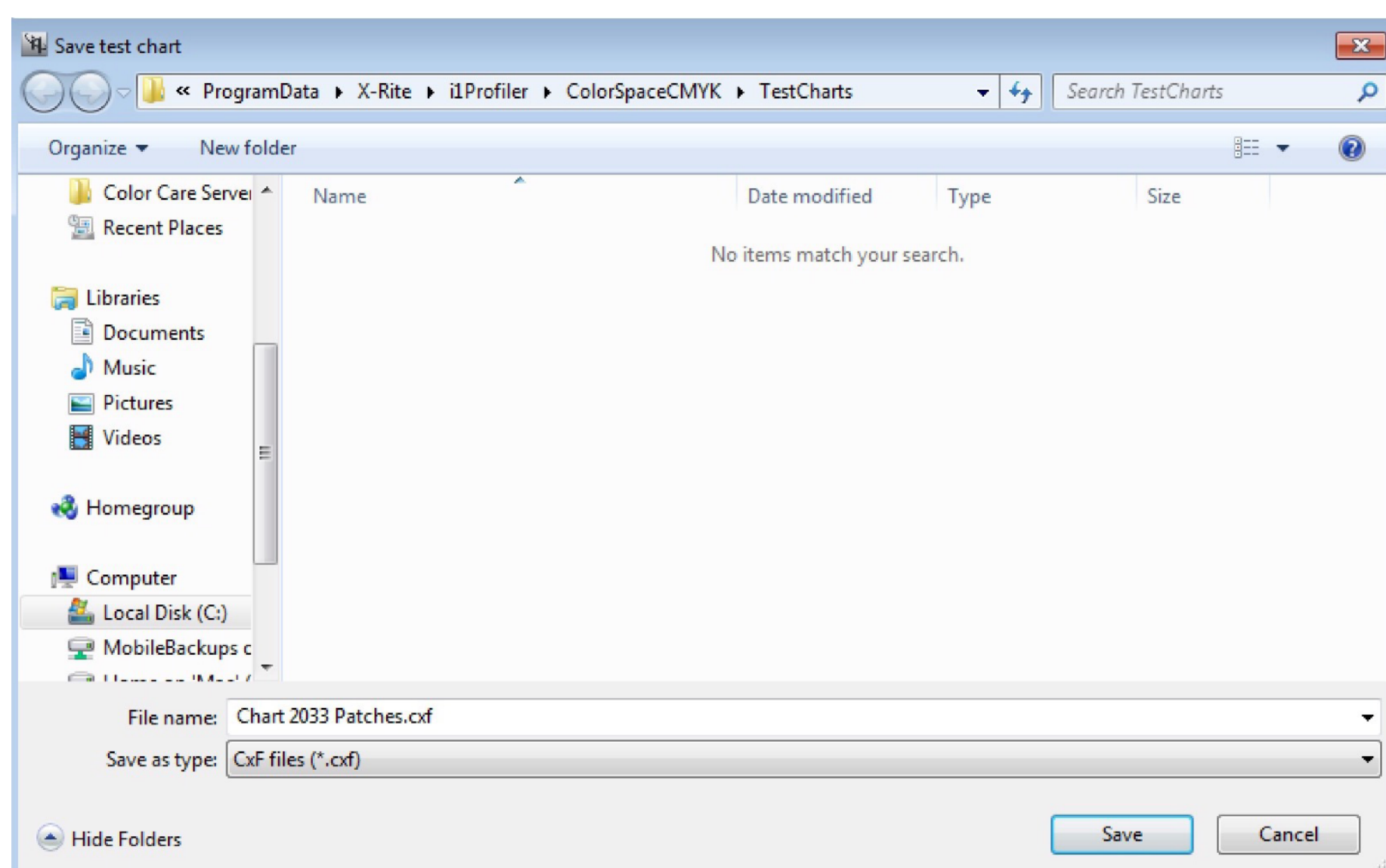
4. Select the layout you want based on your needs. FD-S2w and FD-9 can measure all the charts from all the measurement devices.

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.

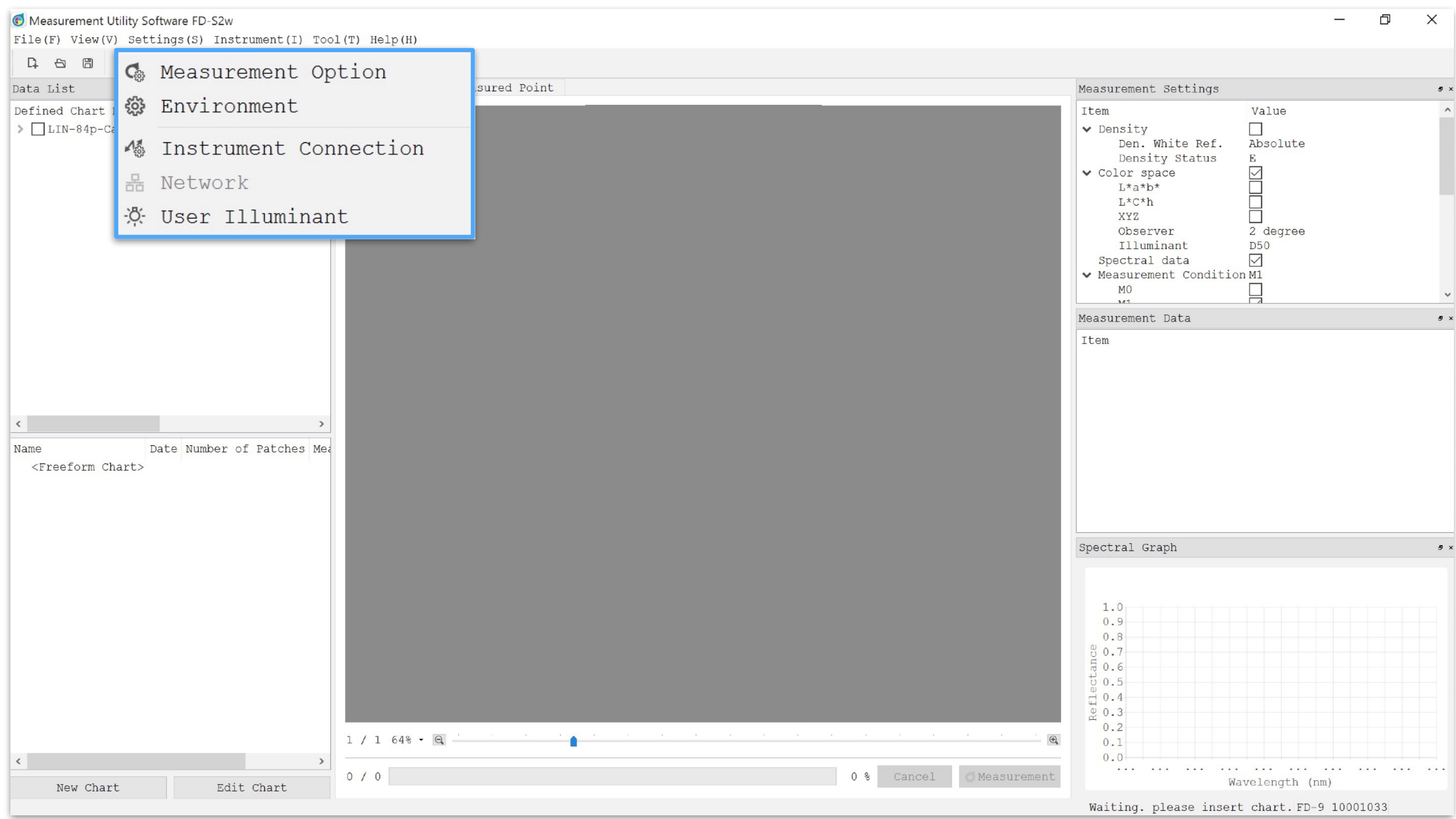
If CXF File format doesn't appear in the list, most likely you're not using min v1.6.7, please upgrade.



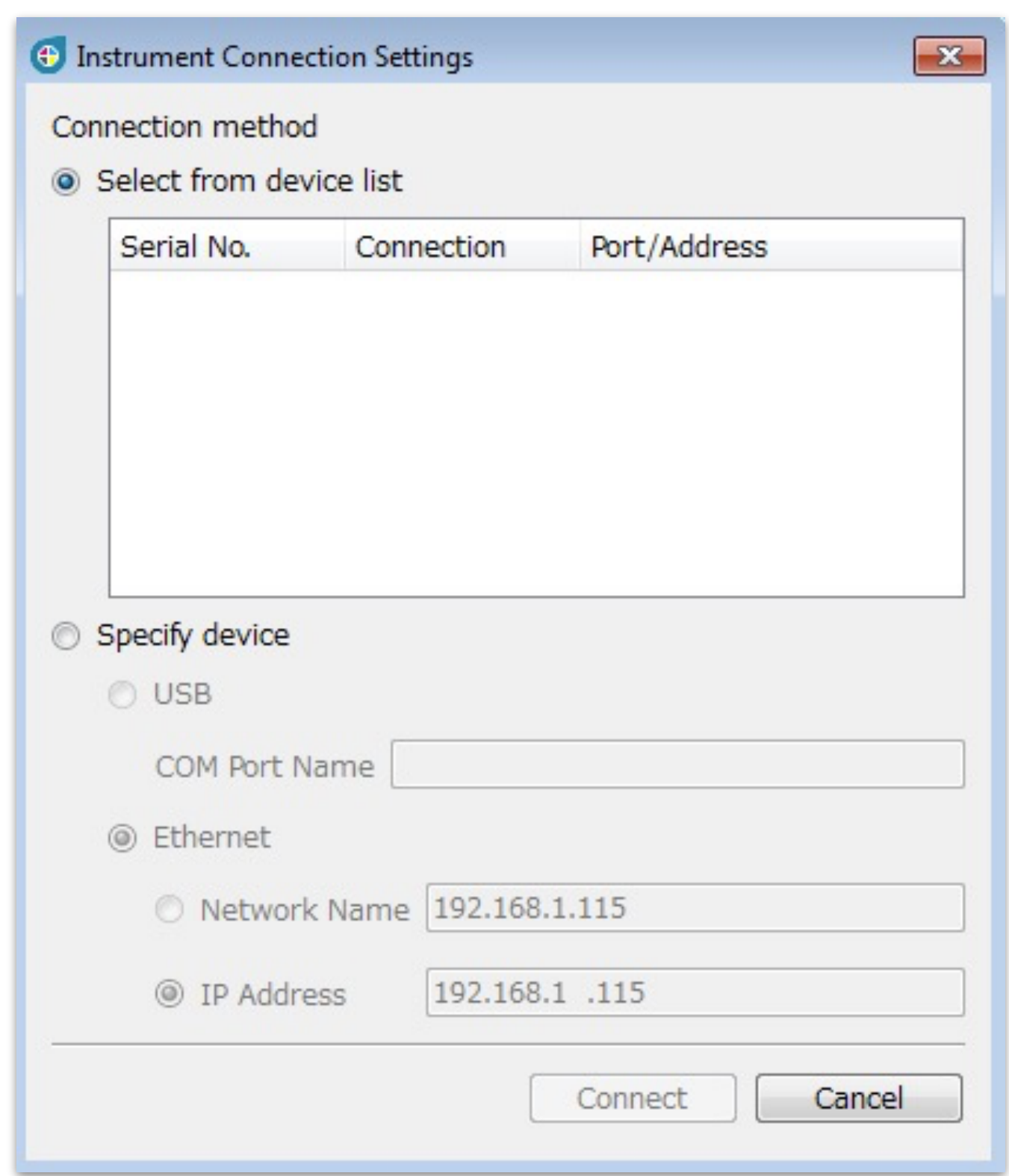
Setup of FD-S2w

FD-S2w

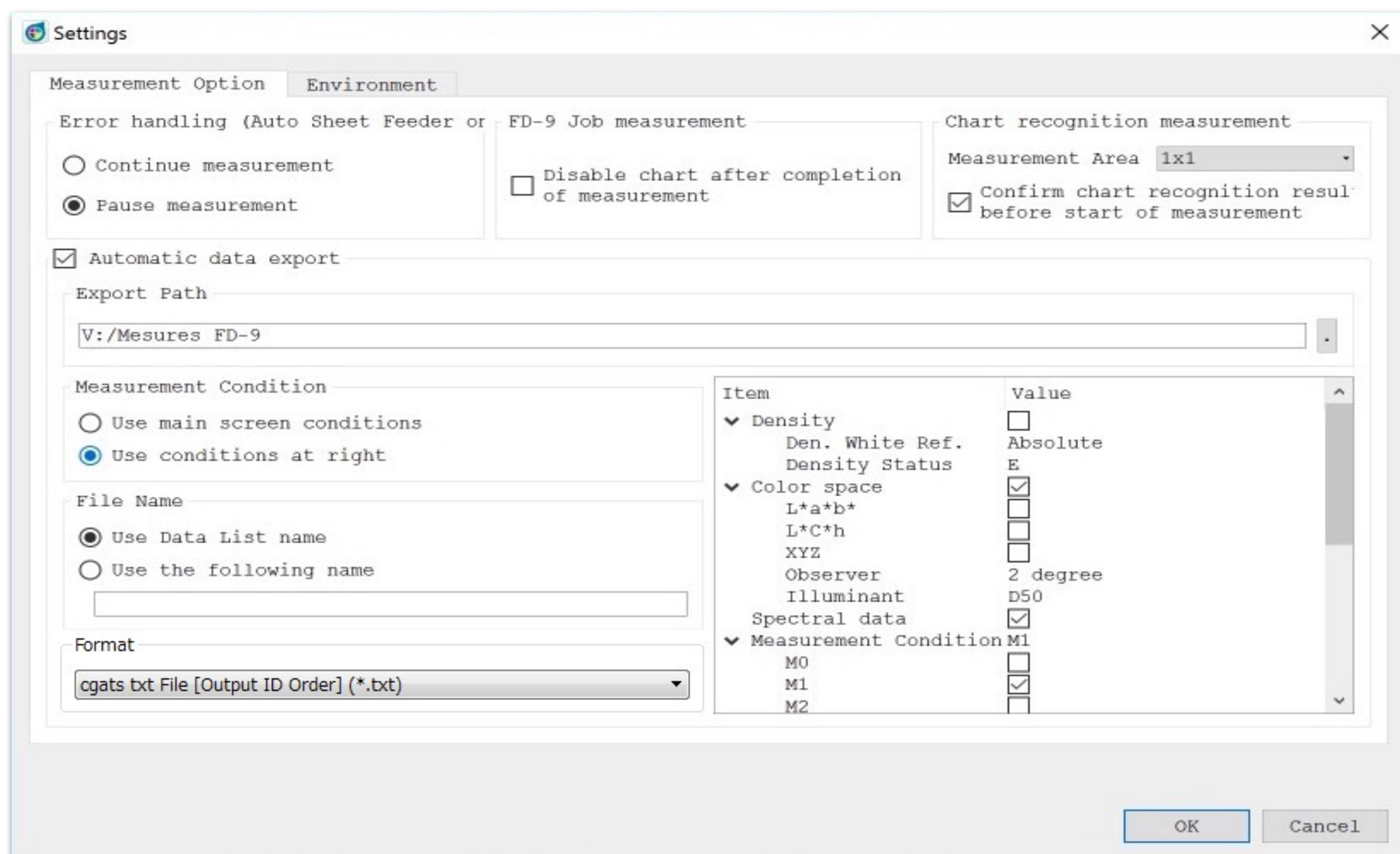
1. If this is the first time you launch FD-S2w, you need to configure it.
Click on **SETTINGS / Instrument Connection** (the configuration has to be done only once)



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**



Settings

Measurement Option | Environment

Error handling (Auto Sheet Feeder or FD-9 Job measurement)

☐ Continue measurement

☒ Pause measurement

☐ Disable chart after completion of measurement

Chart recognition measurement

Measurement Area: 1x1

☒ Confirm chart recognition result before start of measurement

☒ Automatic data export

Export Path: V:/Mesures FD-9

Measurement Condition

☐ Use main screen conditions

☒ Use conditions at right

File Name

☒ Use Data List name

☐ Use the following name

Format: cgats txt File [Output ID Order] (*.txt)

Item	Value
▼ Density	☐
Den. White Ref.	Absolute
Density Status	E
▼ Color space	☒
L*a*b*	☐
L*C*h	☐
XYZ	☐
Observer	2 degree
Illuminant	D50
Spectral data	☒
▼ Measurement Condition M1	☐
M0	☐
M1	☒
M2	☐

OK Cancel

- 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**

Settings

Measurement Option

Environment

Create Chart

Unit

mm

Color space

CMYK

Channel

Name	L*	a*	b*
 Cyan	68.00	-46.00	-51.00
 Magenta	57.00	87.00	-6.00
 Yellow	100.00	-6.00	102.00
 Black	15.00	2.00	1.00
 Orange	69,00	64,00	112,00
 Green	39,00	-66,00	28,00
 Red	49,00	79,00	20,00
 Blue	36,00	61,00	-111,00

Default

Language

English(English)

Data Group

Data

Change

Display items of Data List Window

☒ Date

☒ Number of Patches

☒ Measurement Area

Export method of measurement data files

☒ Export files by each measurement condition

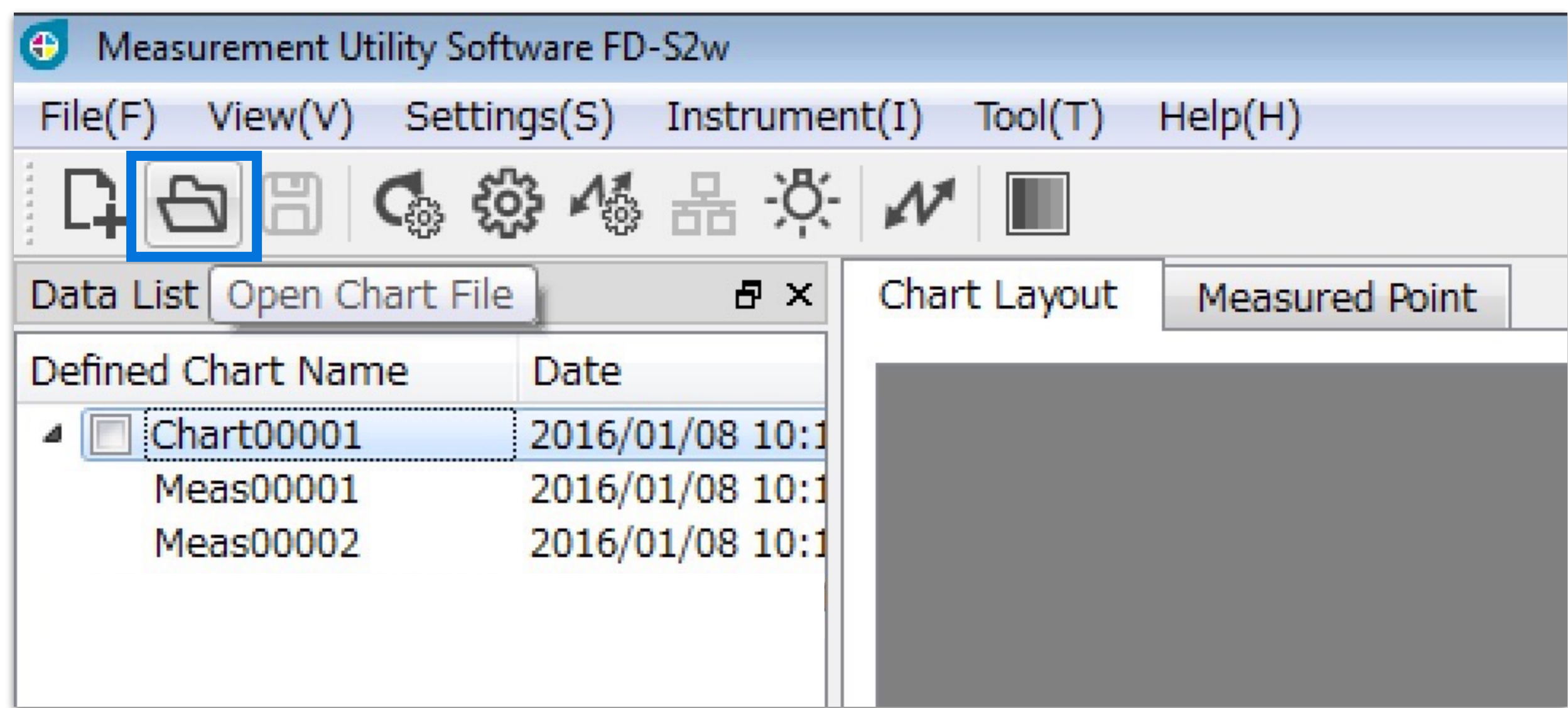
☐ Export single file including all measurement conditions

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

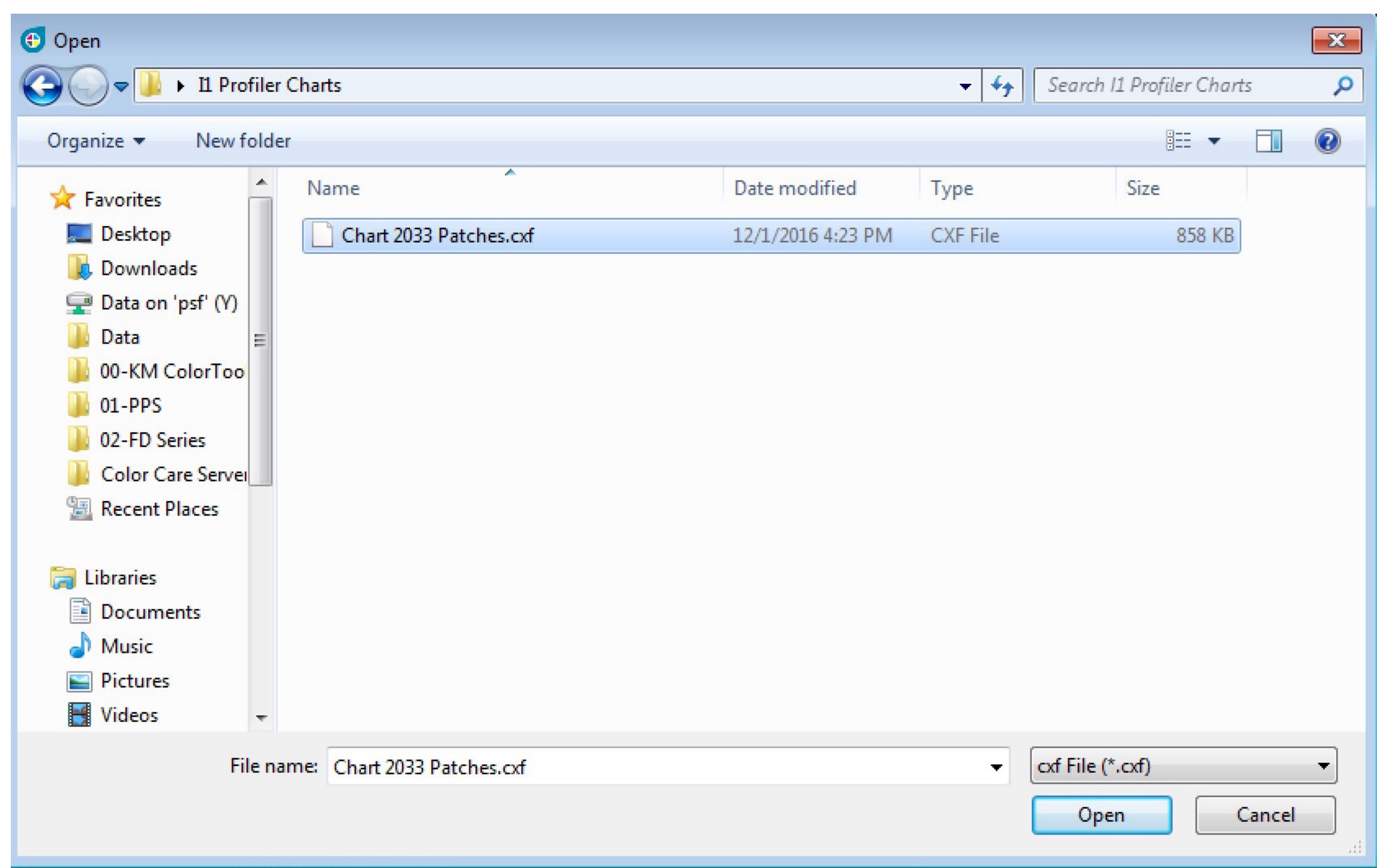
Import charts from i1 Profiler in FD-S2w

FD-S2w

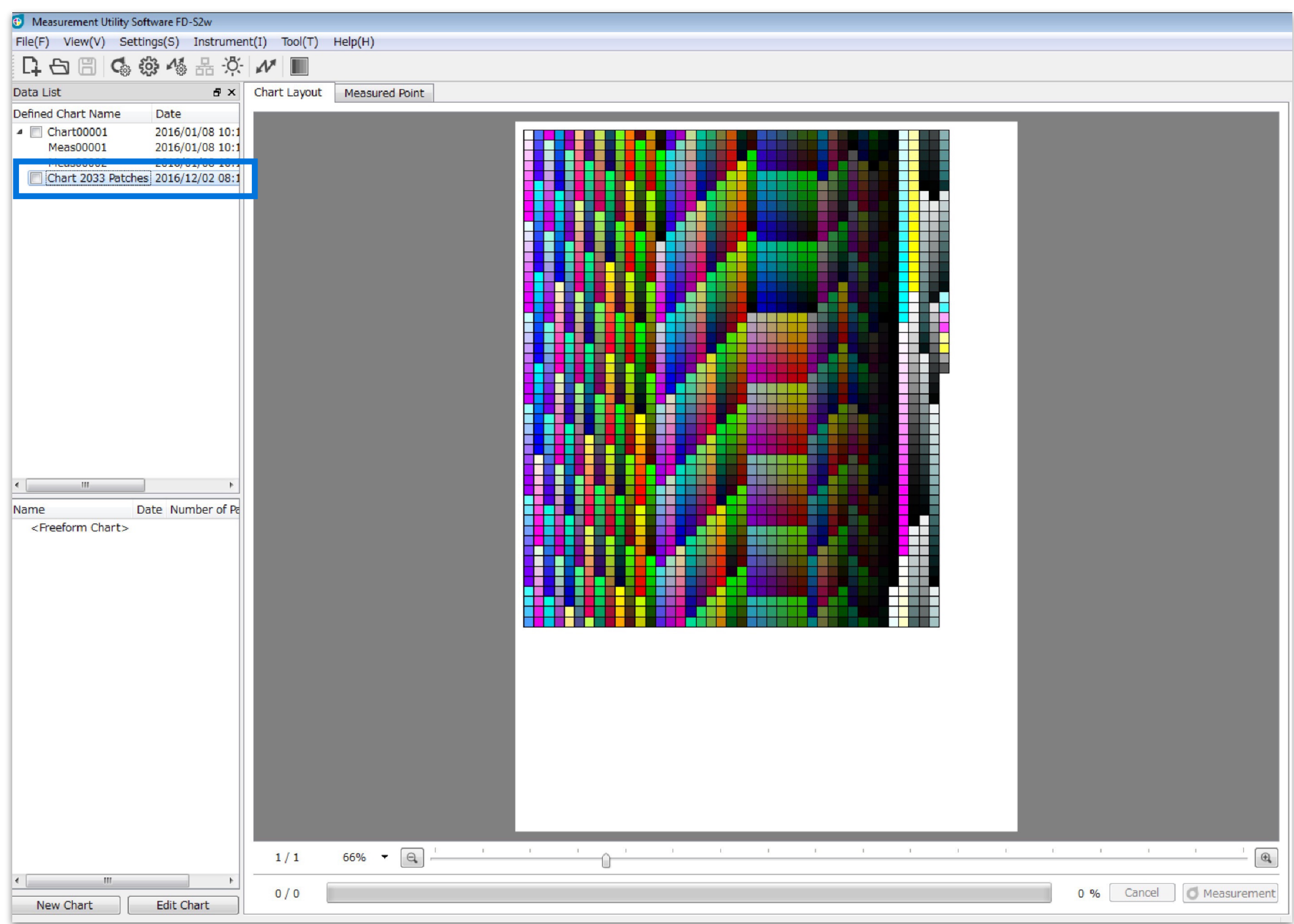
1. Open FD-S2w, then click **Open Chart File**



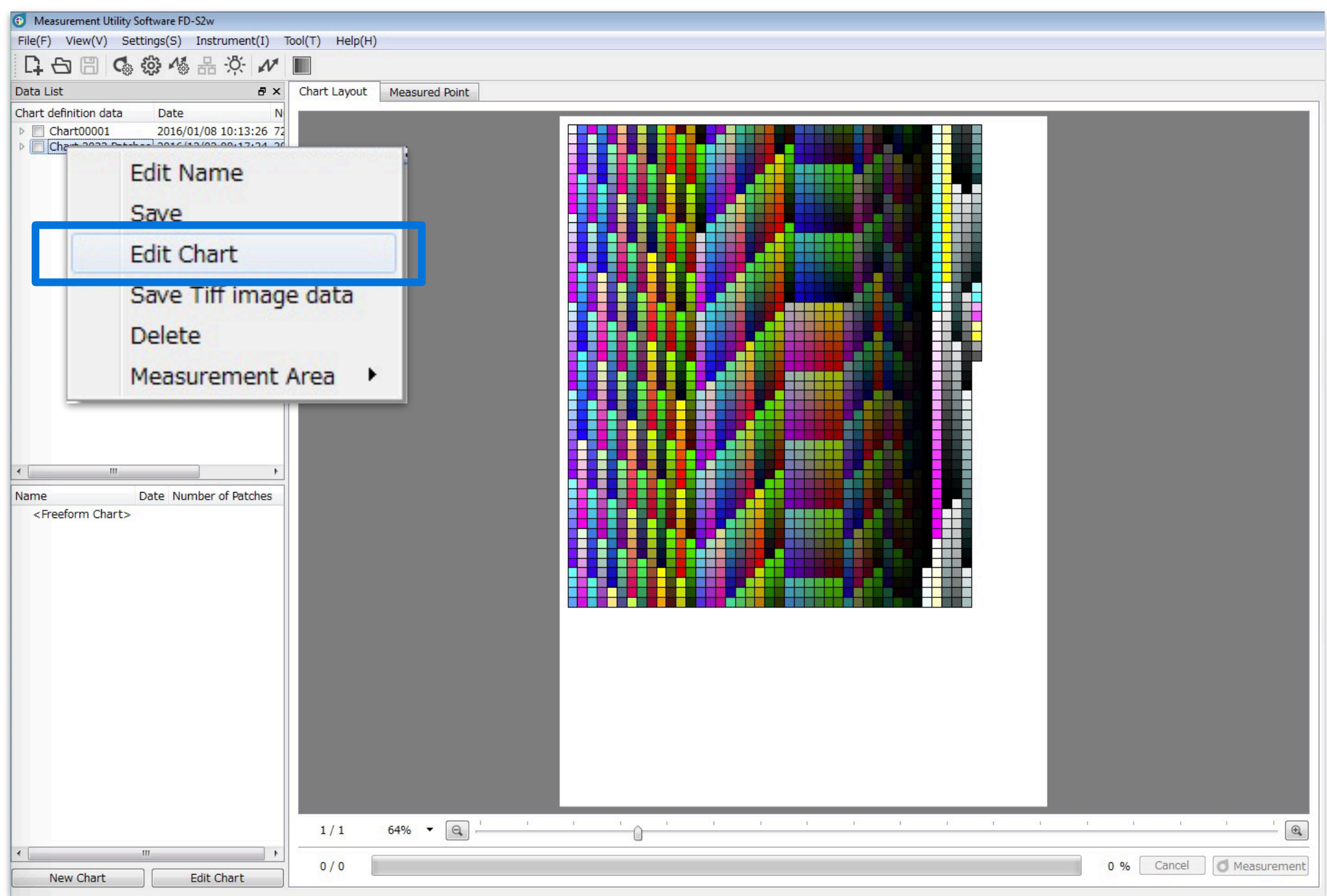
2. Select **cxf File (*.cxf)** as file format and select the chart you have exported previously from i1Profiler



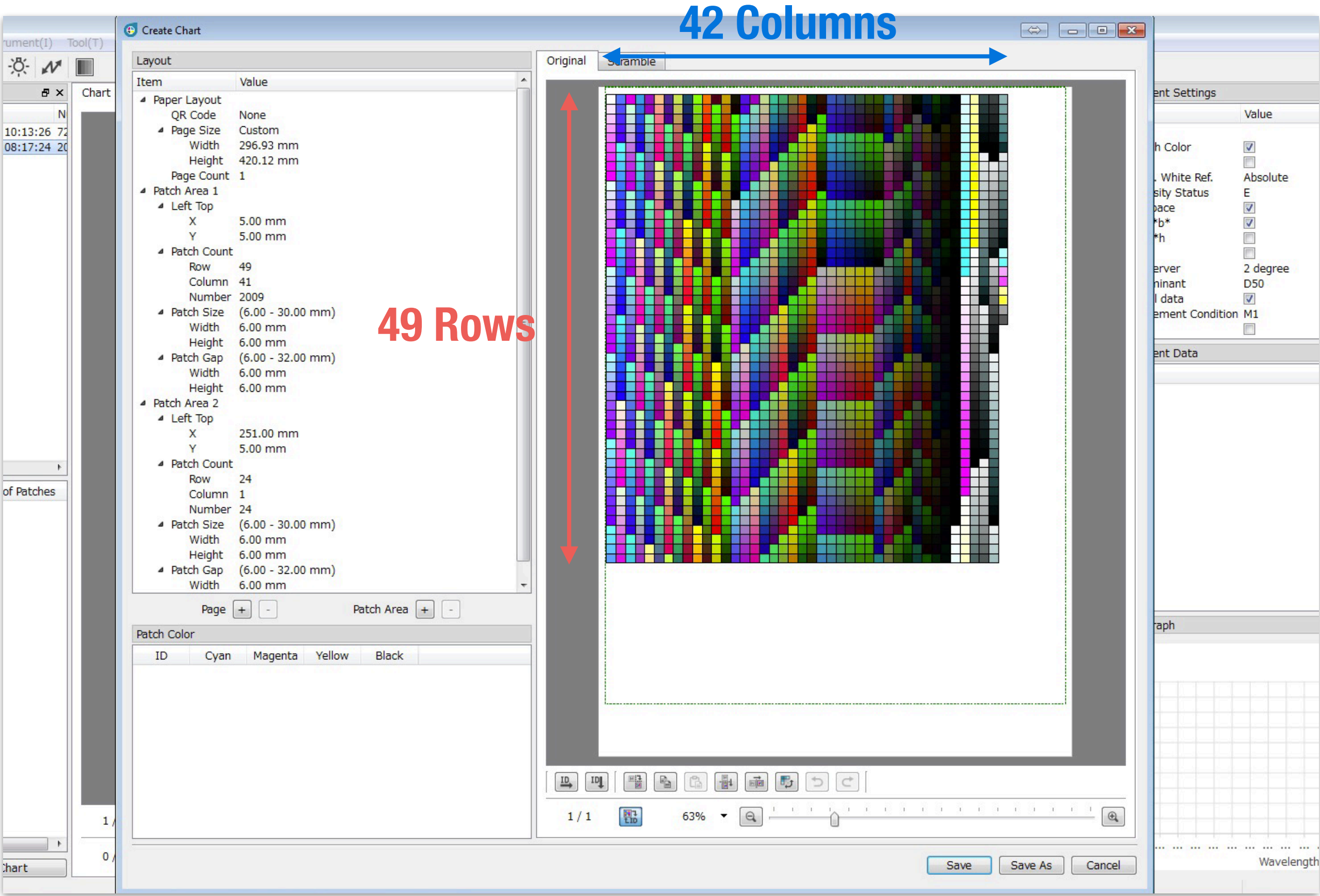
3. The chart has been successfully imported into FD-S2w



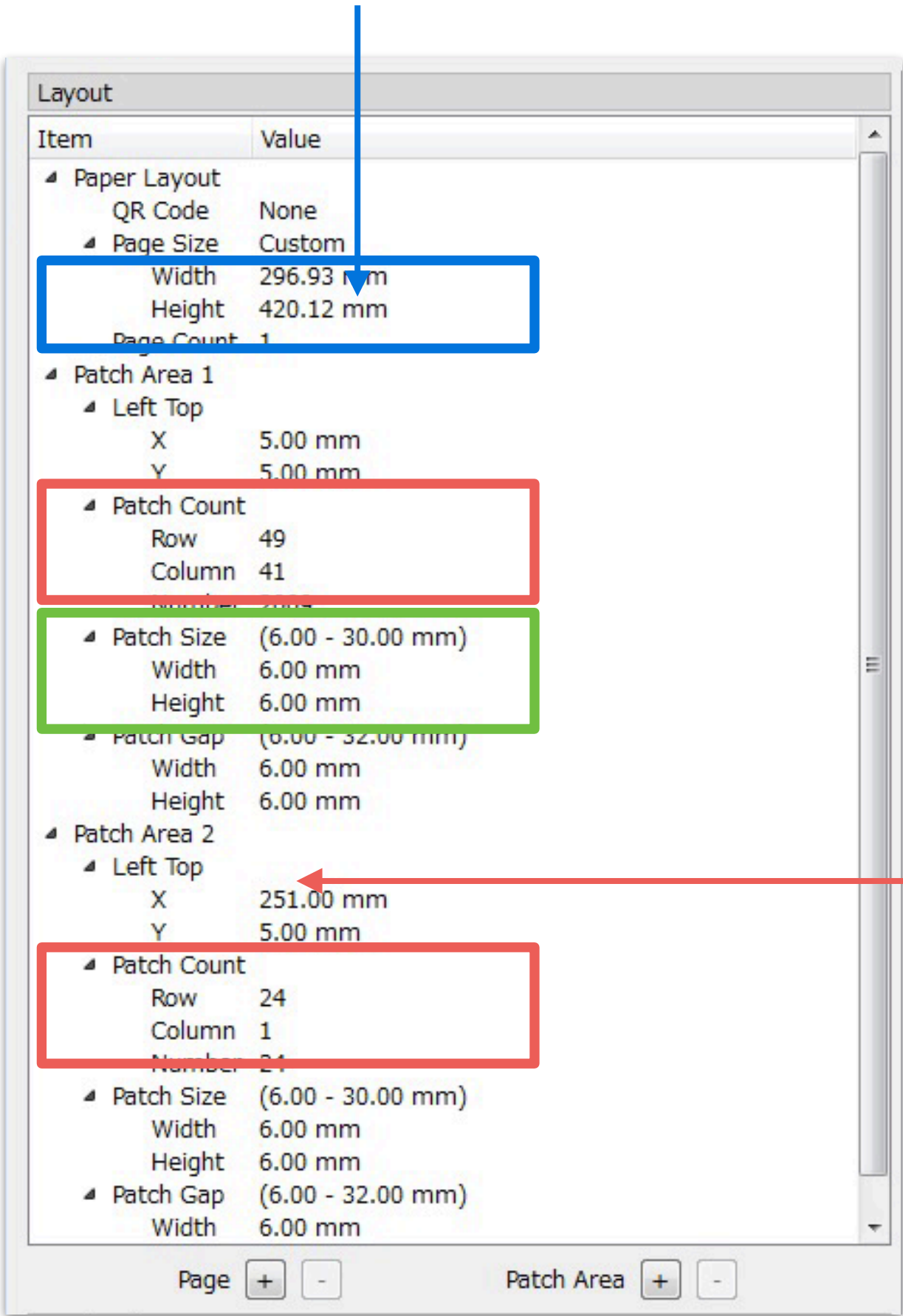
4. The page format needs to be modified manually. Please do right click the template and select **Edit Chart**



5. A new windows opens called Create Chart



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



Please apply the following calculation for WIDTH:

- ▶ Total Column x Patch Size
- ▶ $(41 + 1) \times 6\text{mm} = 252\text{ mm}$
- ▶ Then please add 10mm
- ▶ $252\text{mm} + 10\text{mm} = 262\text{ mm}$

Please enter **262mm** in WIDTH

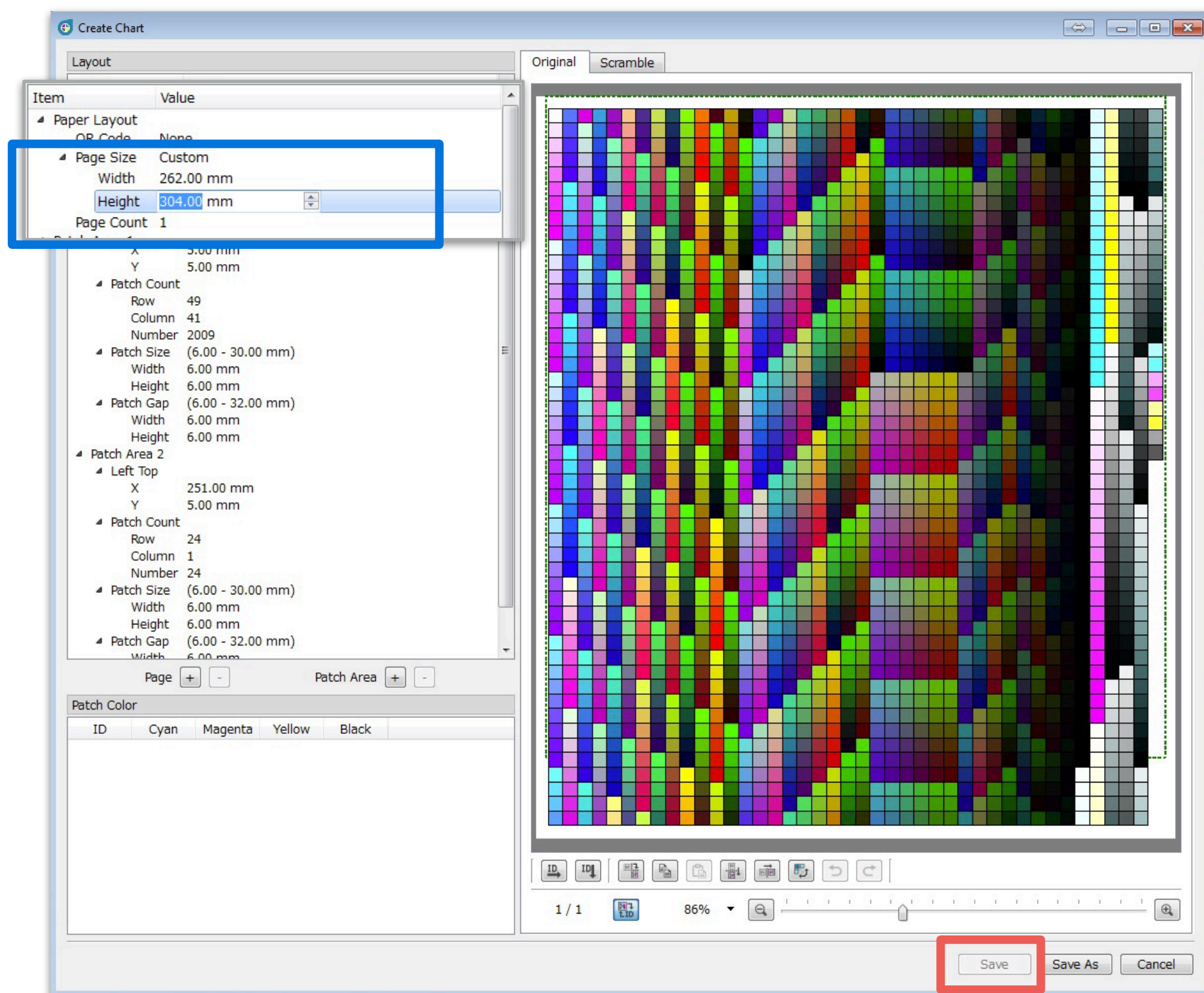
i1 Profiler always creates a second measurement area when blank patches are generated, make sure to count the additional column in your calculation



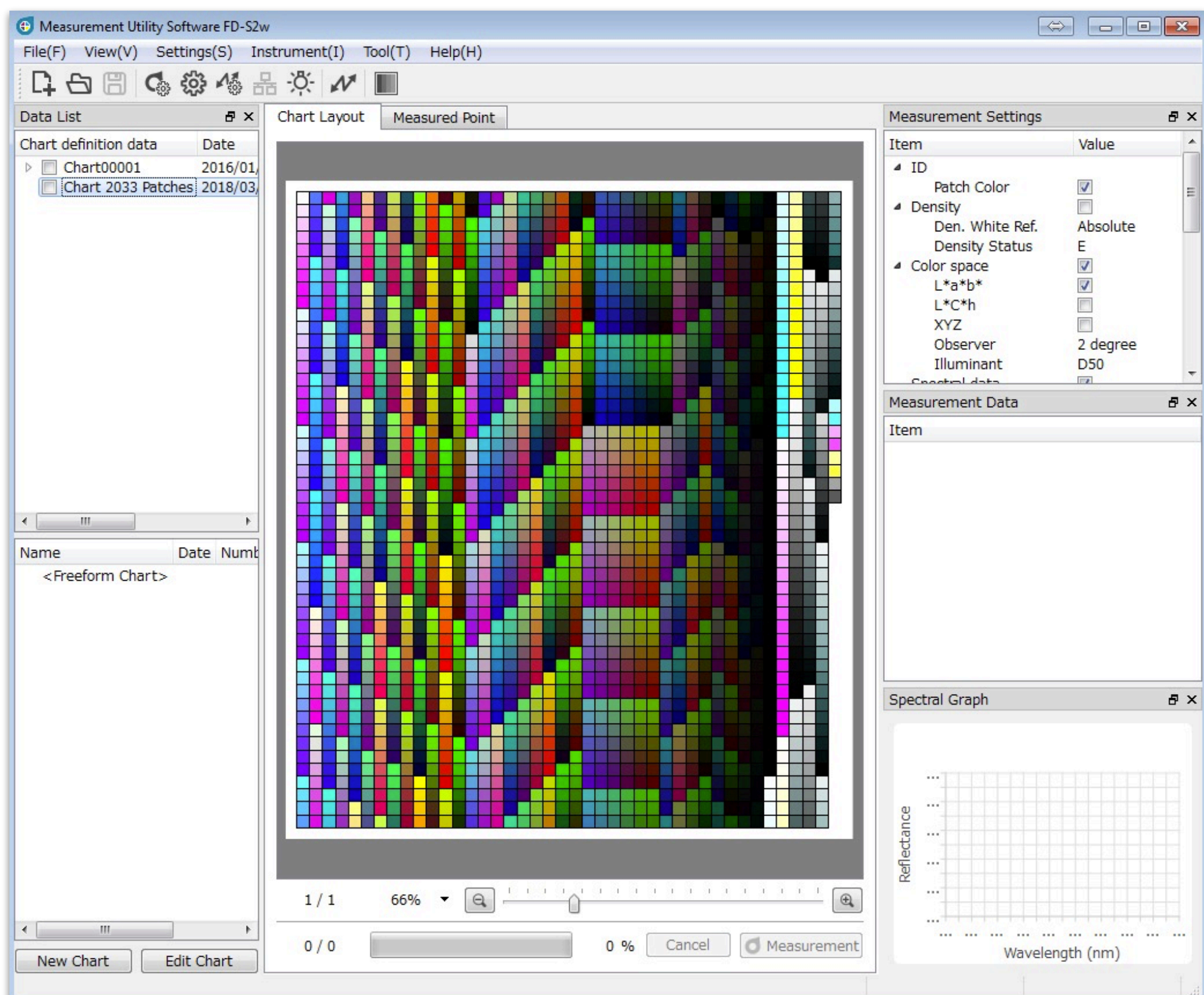
- ▶ Total Row x Patch Size
- ▶ **49** x **6mm** = **294 mm**
- ▶ Then please add 10mm
- ▶ **294mm + 10mm = 304 mm**

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



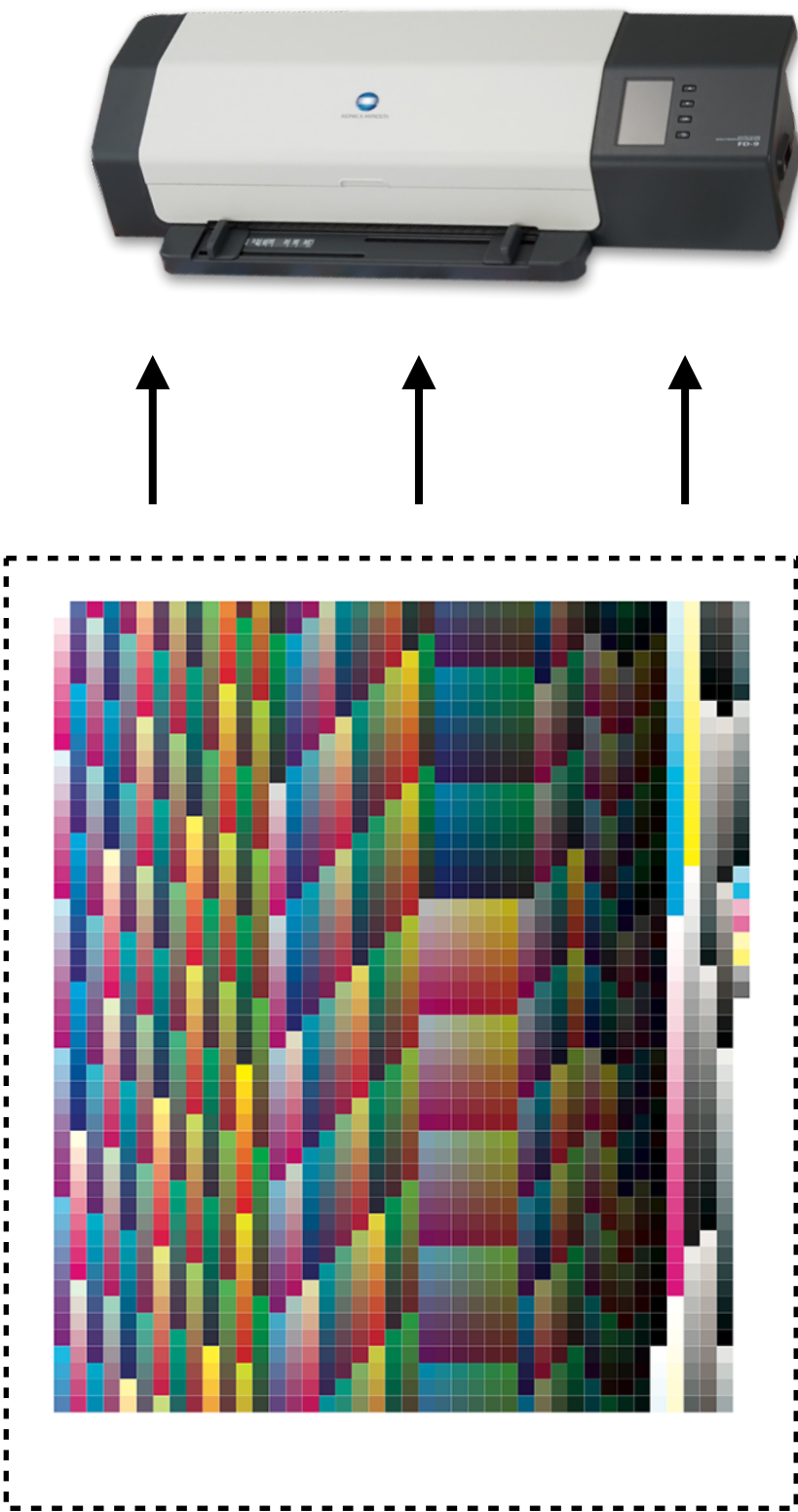
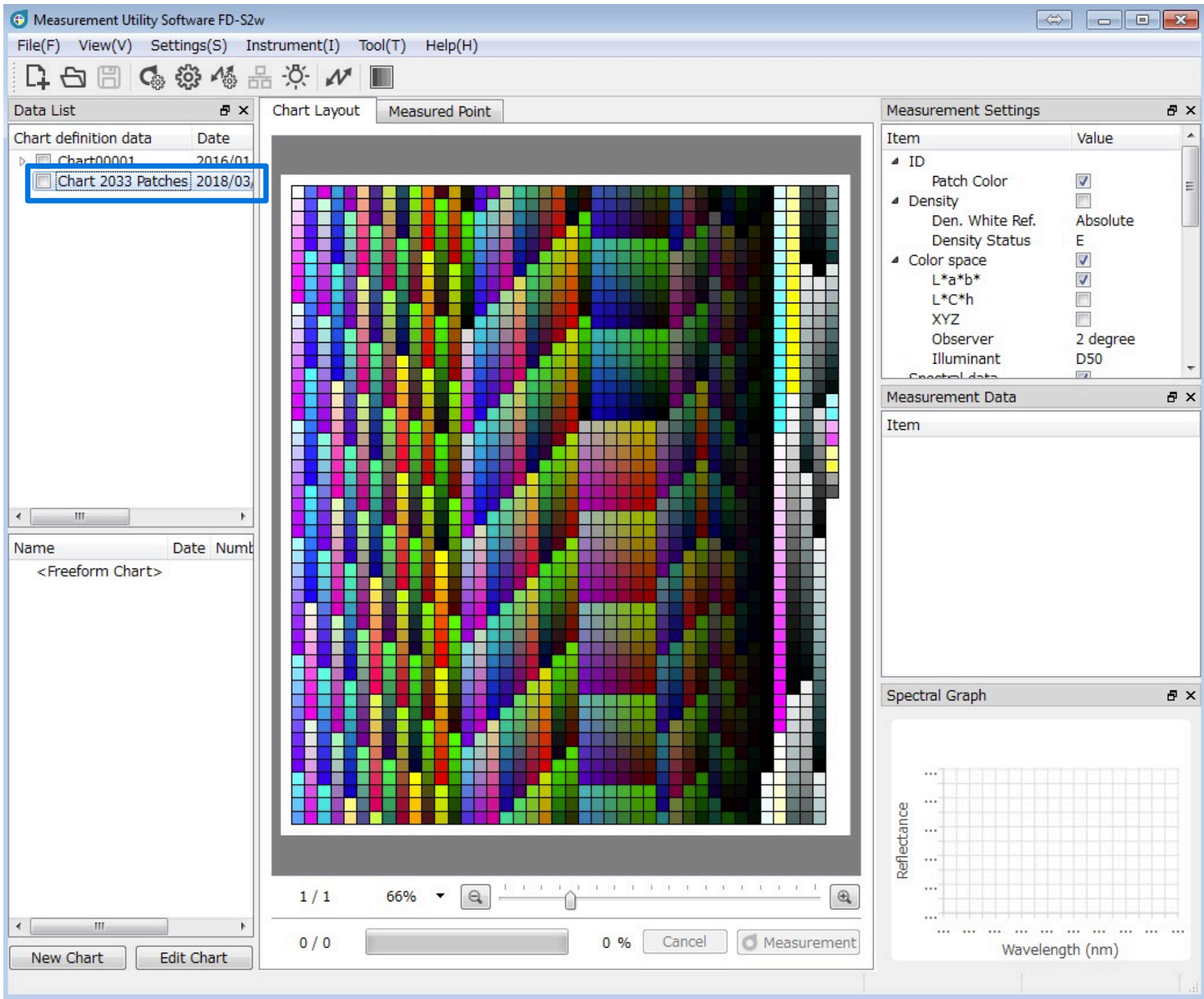
10. Click **Save**. You can now continue the procedure and insert the chart



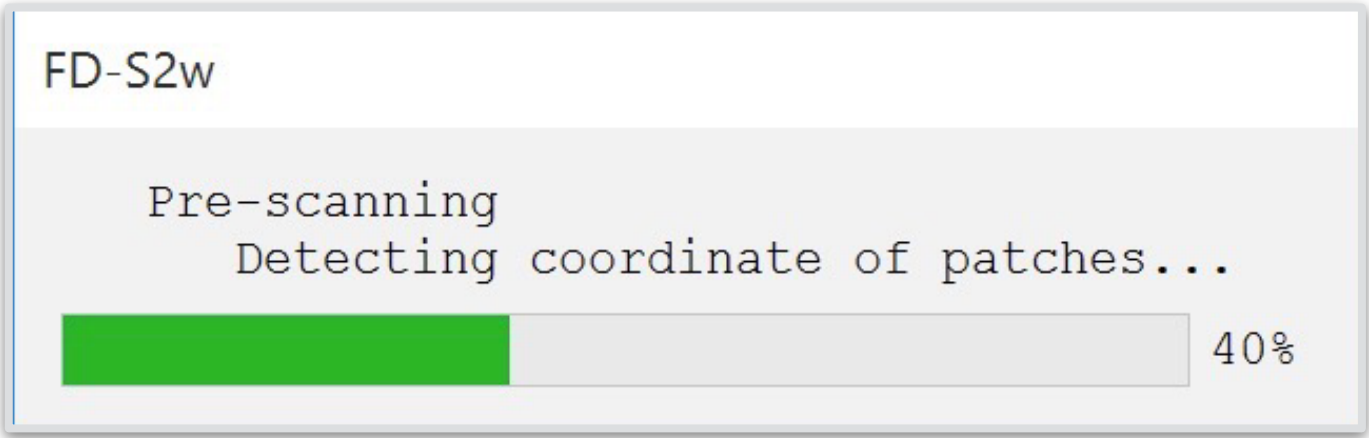
Measure and export measurements from FD-S2w

FD-S2w

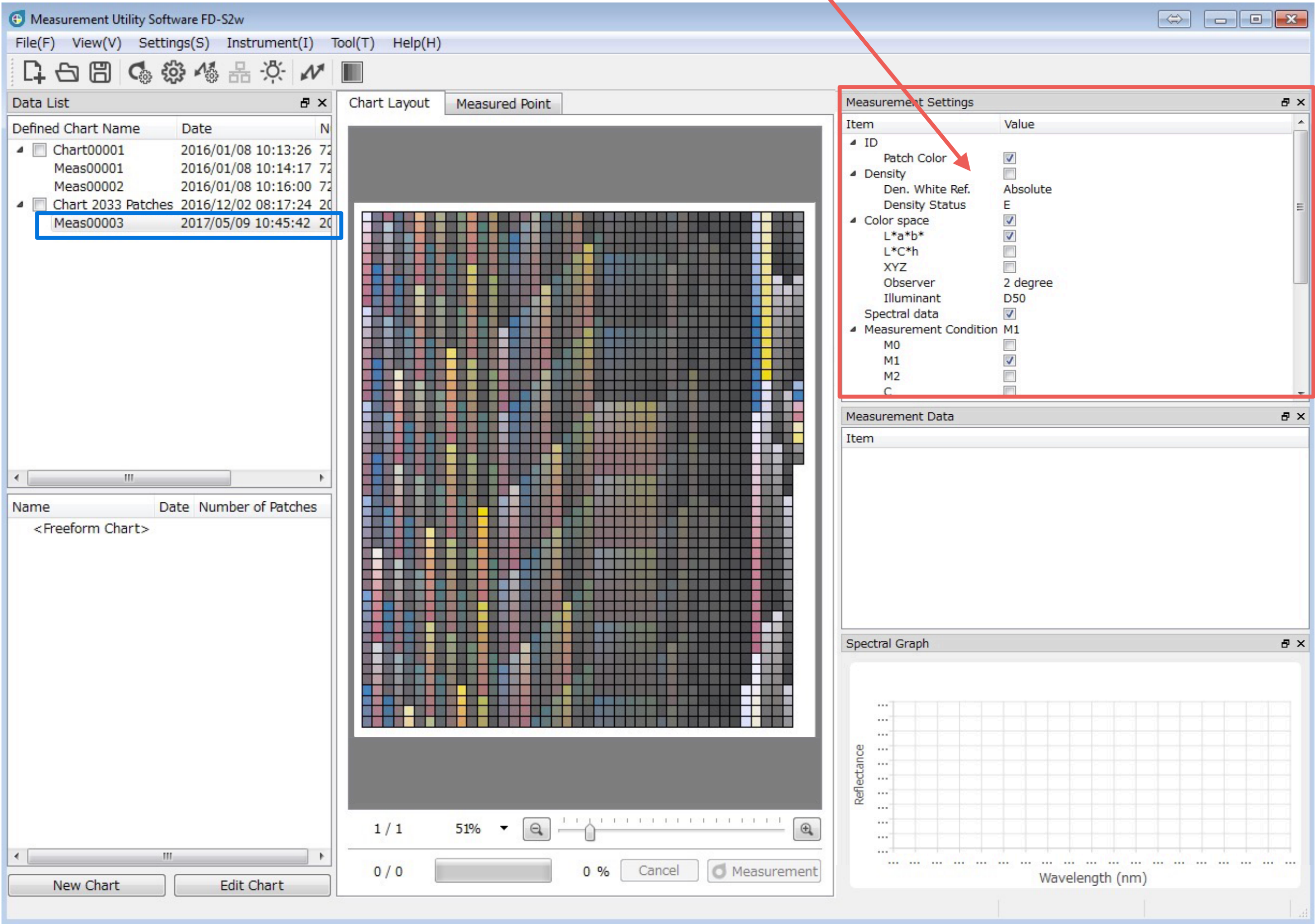
1. Click on the template on the top left to highlight it, then load the printed test chart in the same way the patch are displayed on the screen.



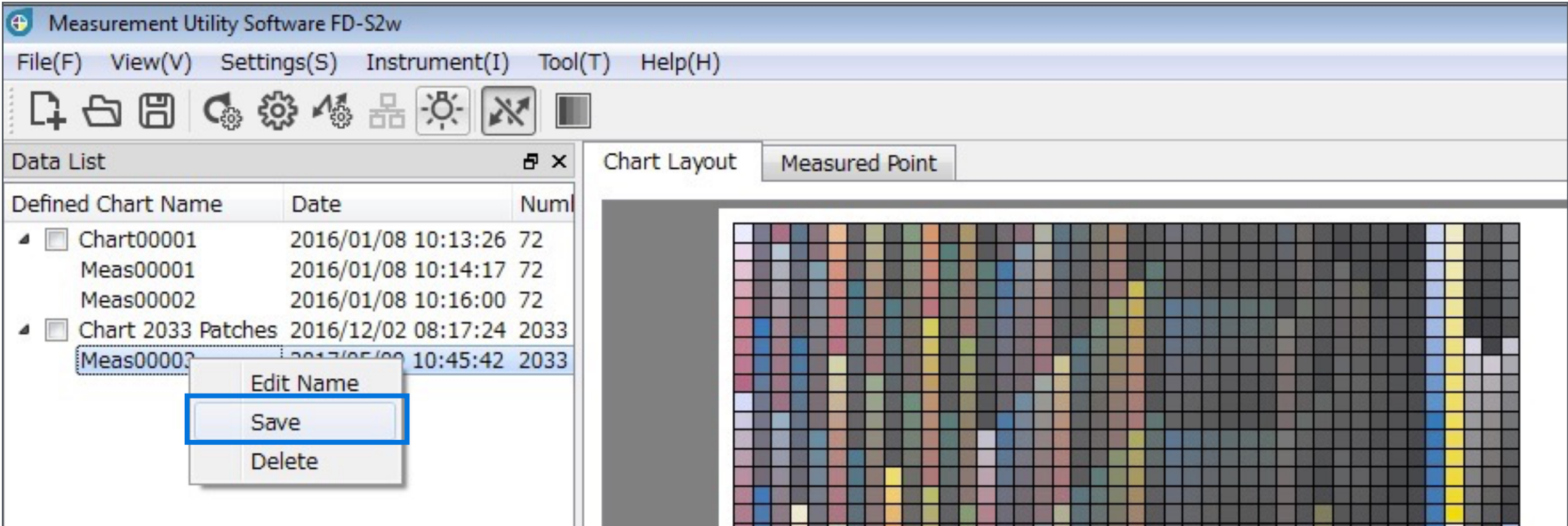
2. FD-9 is now detecting the patches by comparing the scanned image with the reference data contained in the .xml file



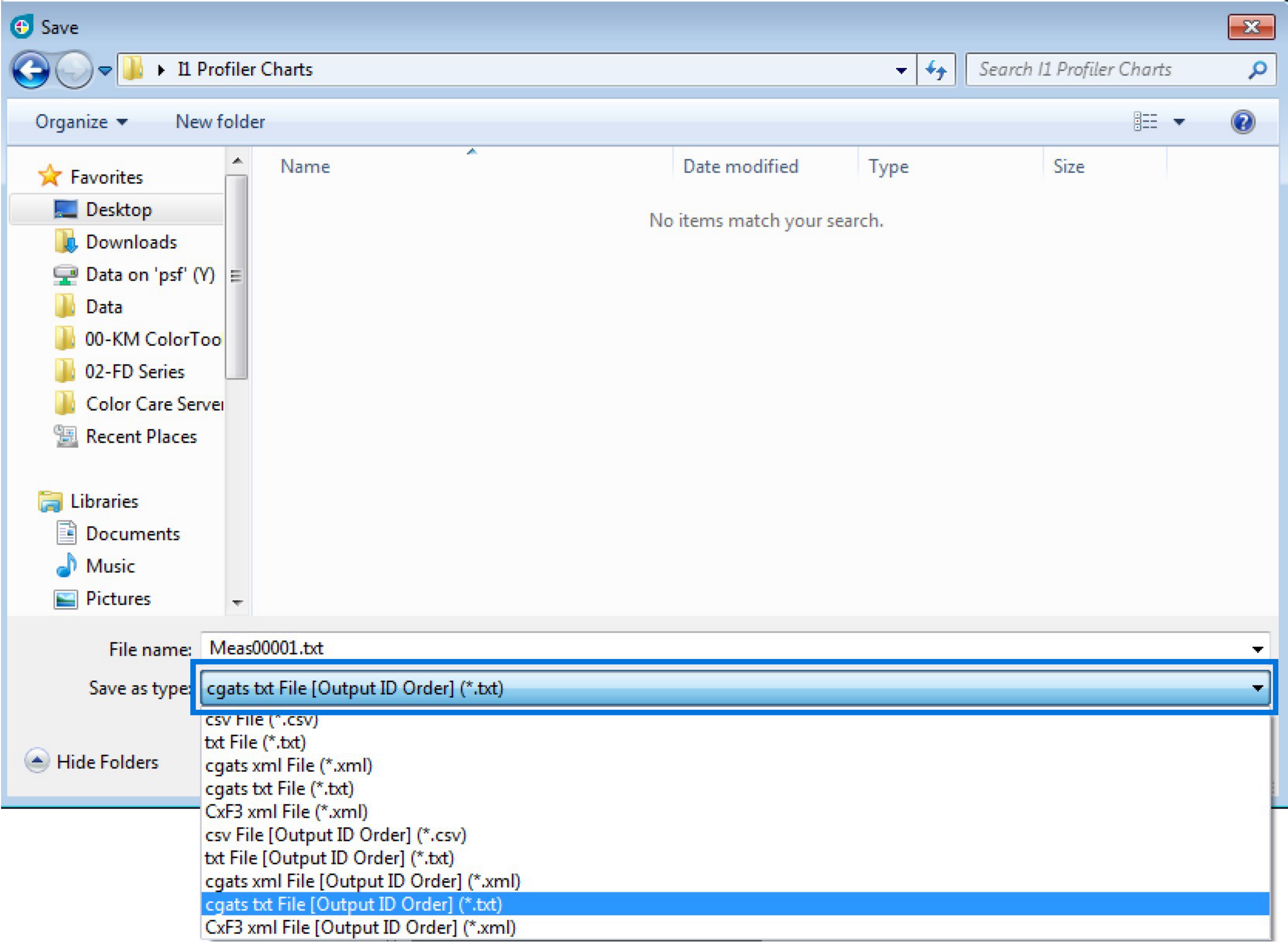
3. After the measurement is successfully done, activate the Spectral Data box, and select the measurement condition (M1, M0, M2, etc) you want to export



4. Then right click the measurement and clic Save



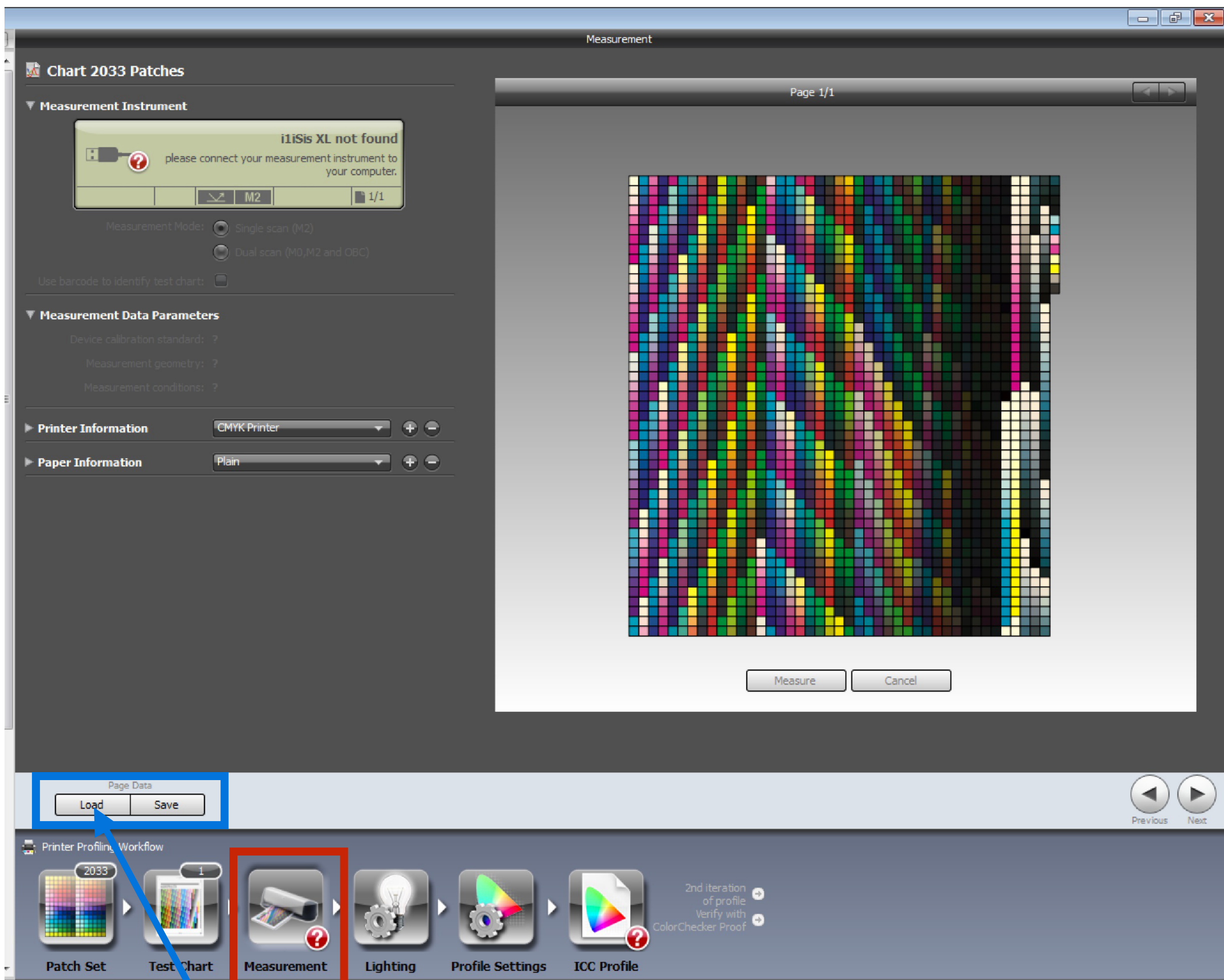
5. Select CGATS txt File (Output ID order) (*.txt) file format



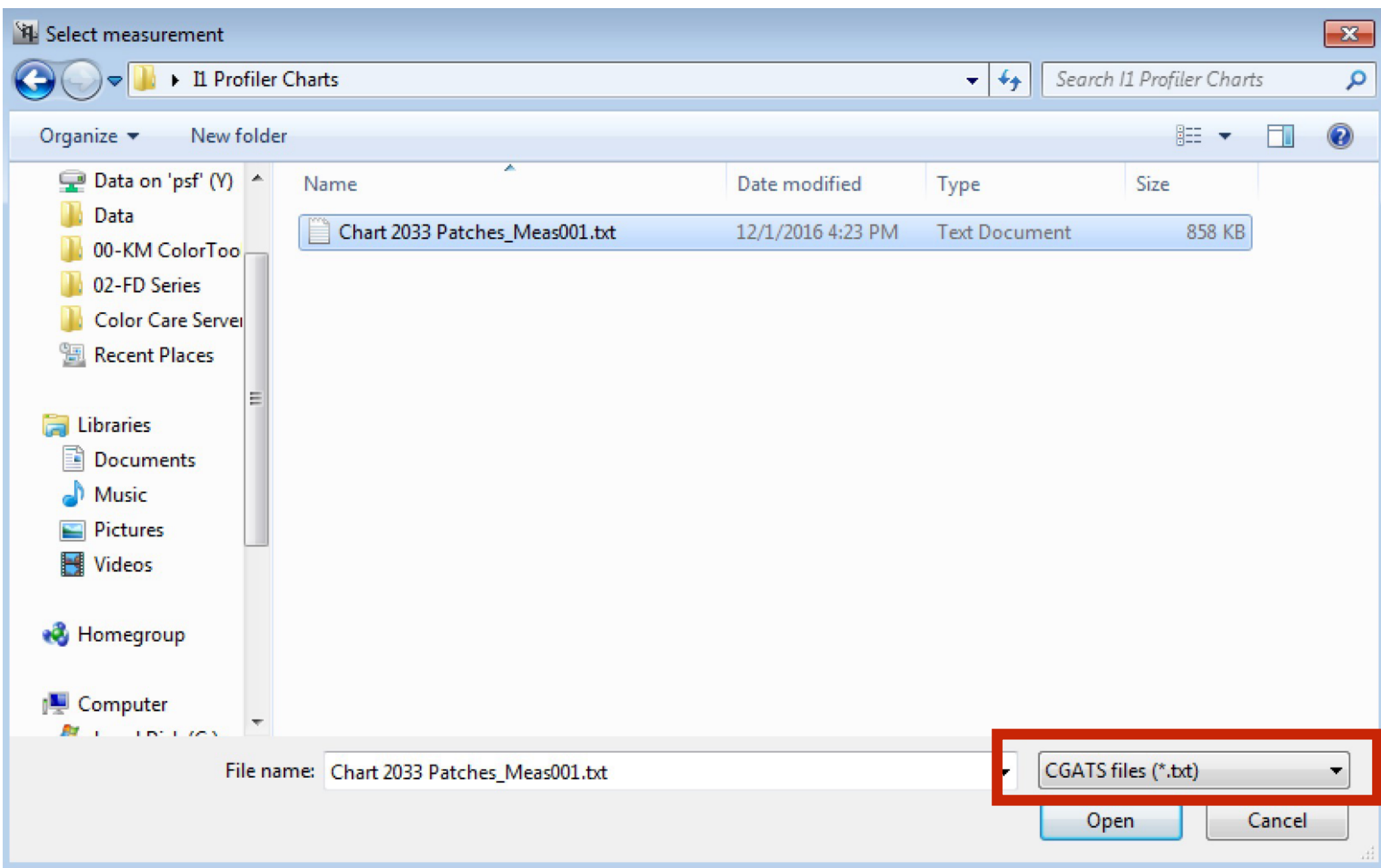
Import measurements from FD-S2w in I1 Profiler

I1 Profiler

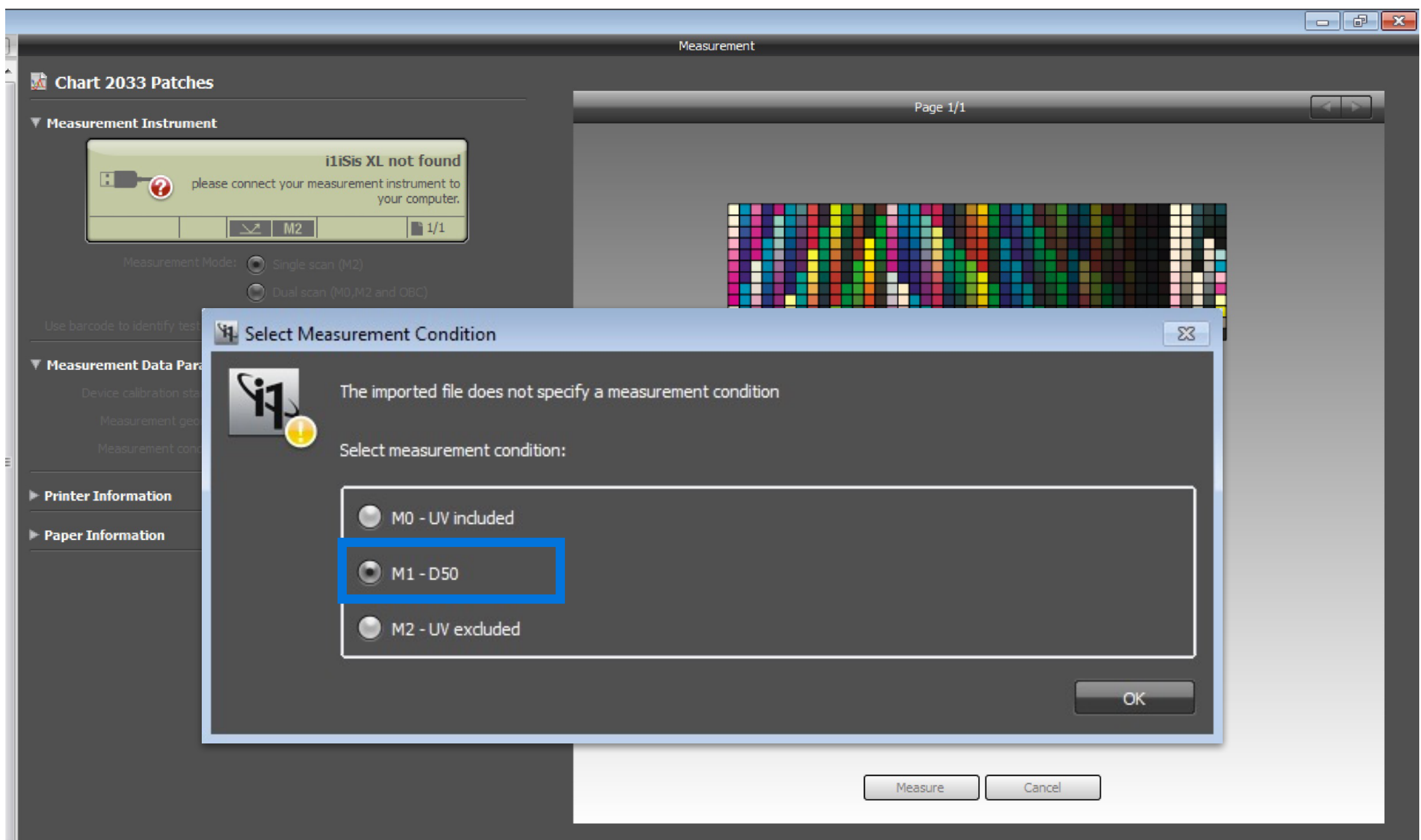
1. Go to Measurement area and select Load Page Data



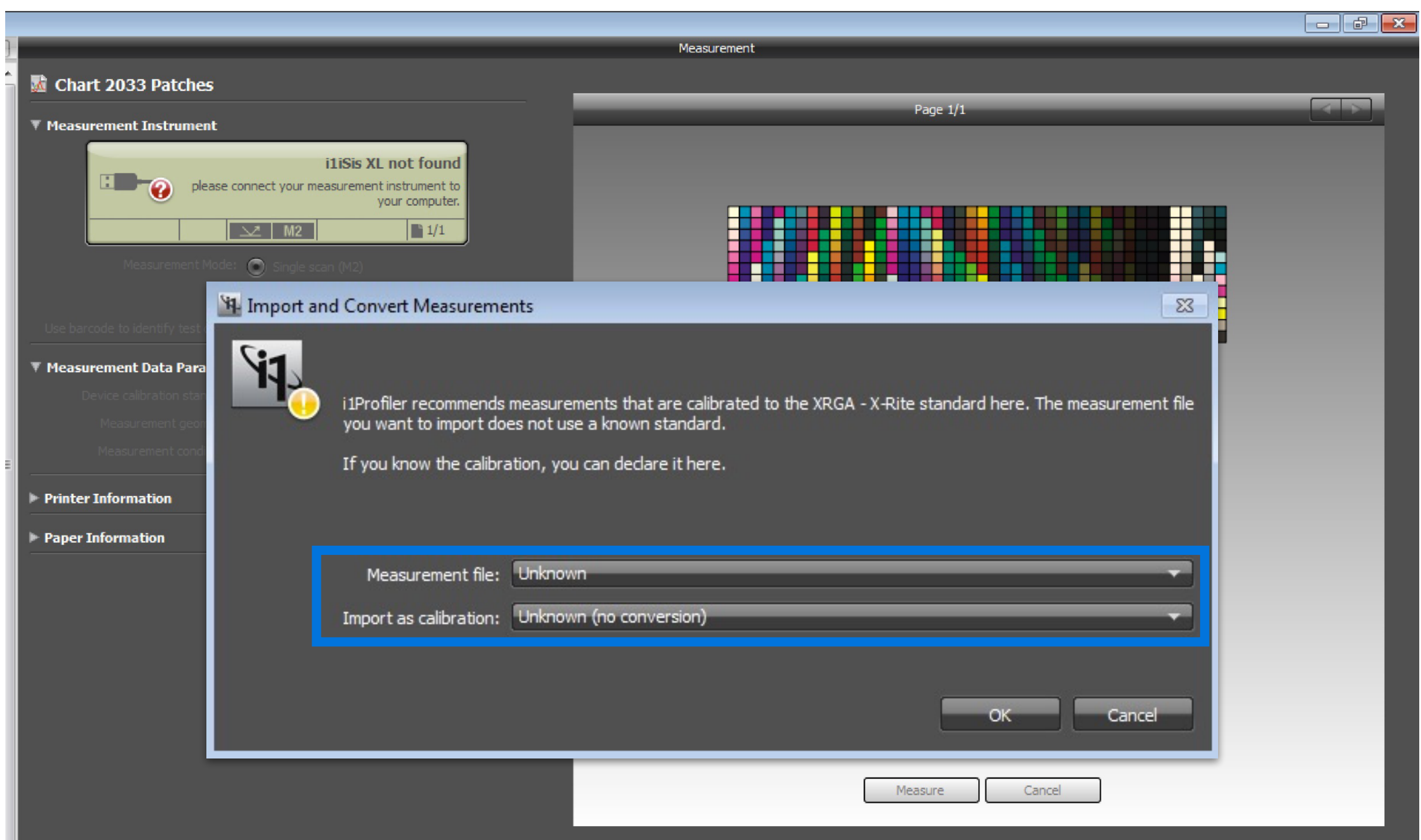
2. Select Load Page data in Measurement area and select the CGATS file you have previously exported from FD-S2w



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