

Time Domain Antenna Measurement System (TDAMS)

Demo Version Quick Start Manual.

Demo version is intended to familiarize the user with the capabilities of the **TDAMS**.

To monitor the system you need install program **PolygonSetup.exe**. Please download the program **PolygonSetup.exe** from our server in to your computer and follow these recommendations.

1. Installation of software for **TDAMS**.

Run the program **PolygonSetup.exe**. You will see window (Fig.1). Press button “Next” to confirm action for installation of program.

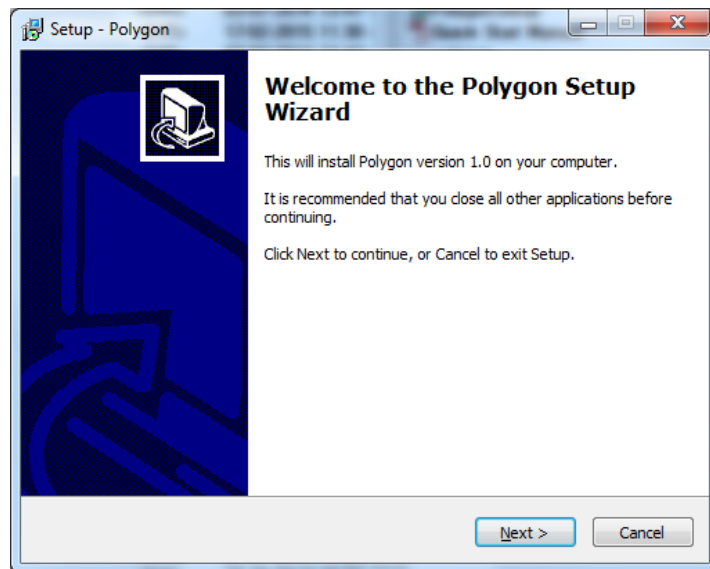


Fig.1

Press button “Next” every time to continue installation (Fig.2, Fig.3, Fig.4, Fig.5).

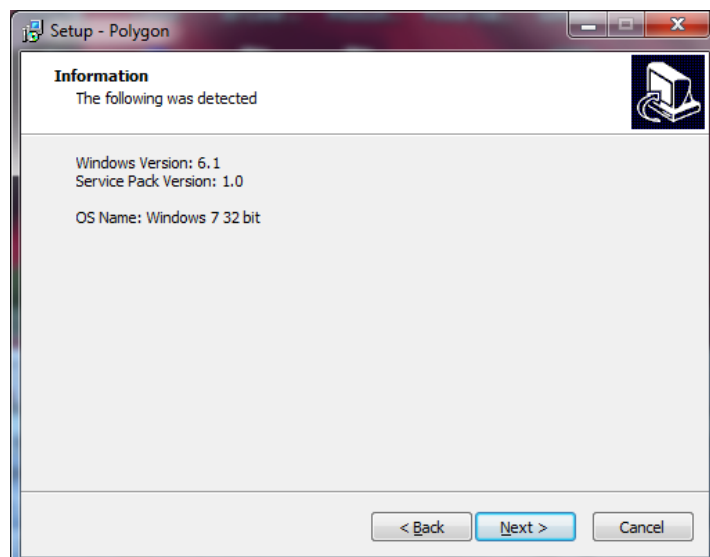


Fig.2

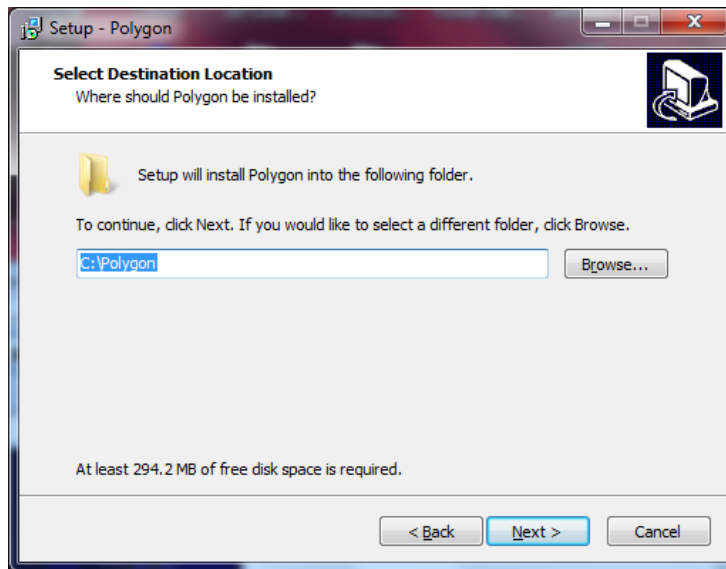


Fig.3

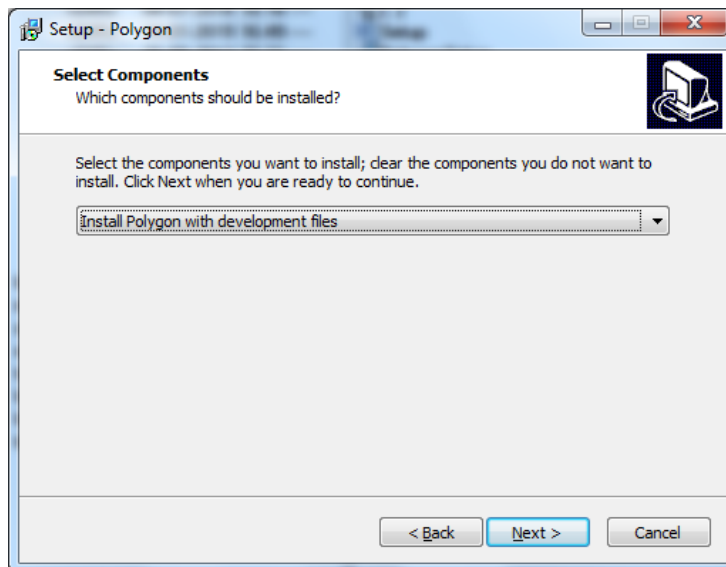


Fig.4

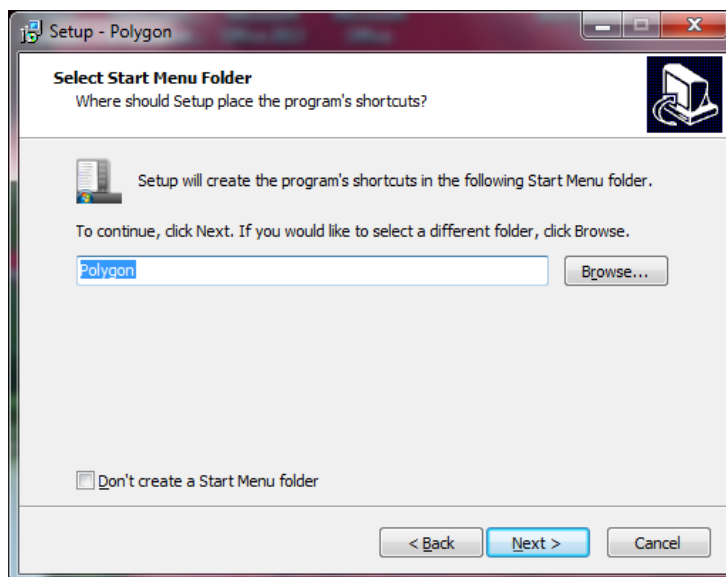


Fig.5

In the new window press button “Install”.

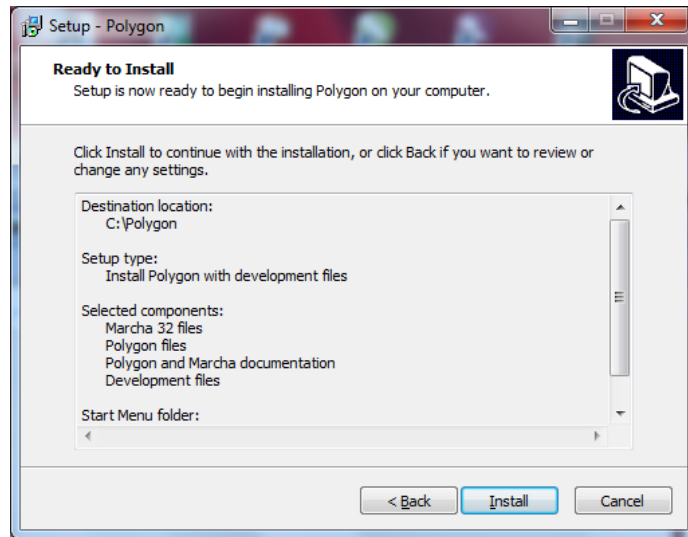


Fig.6

Installation is continue (Fig.7, Fig.8)

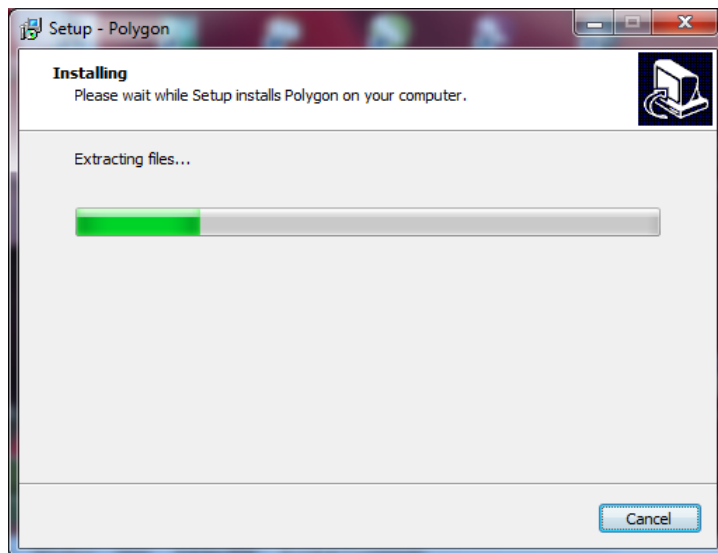


Fig.7

Press button “OK” for setup continue (Fig.8).

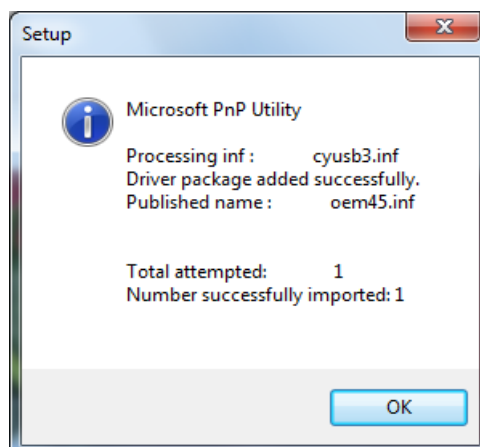


Fig.8

New window was appeared. Press button “Finish” to exit Setup (Fig.9).

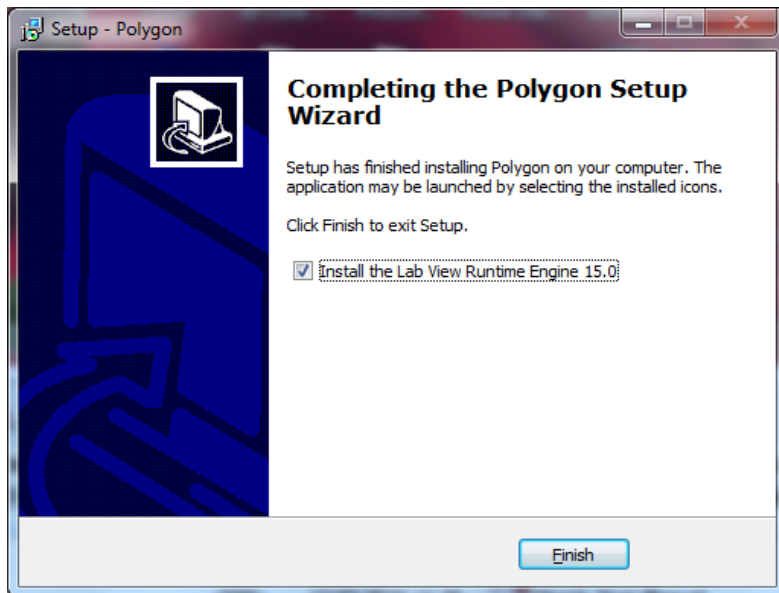


Fig.9

After **Polygon** setup was finished software **polygon_demo** will be installed. Please wait for **polygon_demo** installation.

Press button “Next” every time to continue (Fig.10, Fig.11, Fig.12).

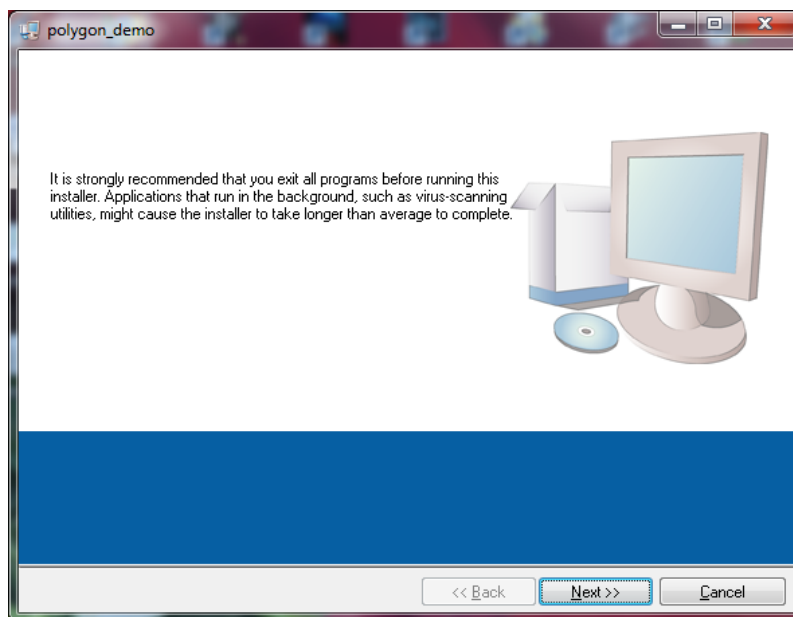


Fig.10

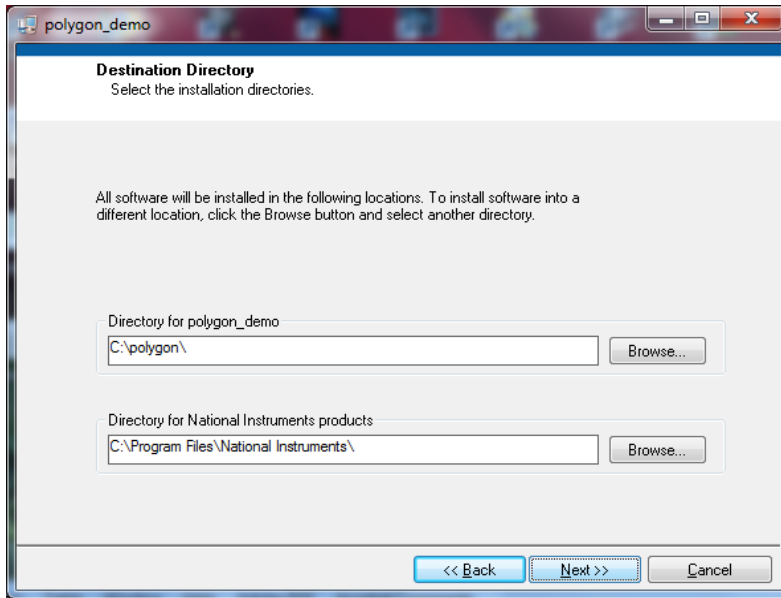


Fig.11

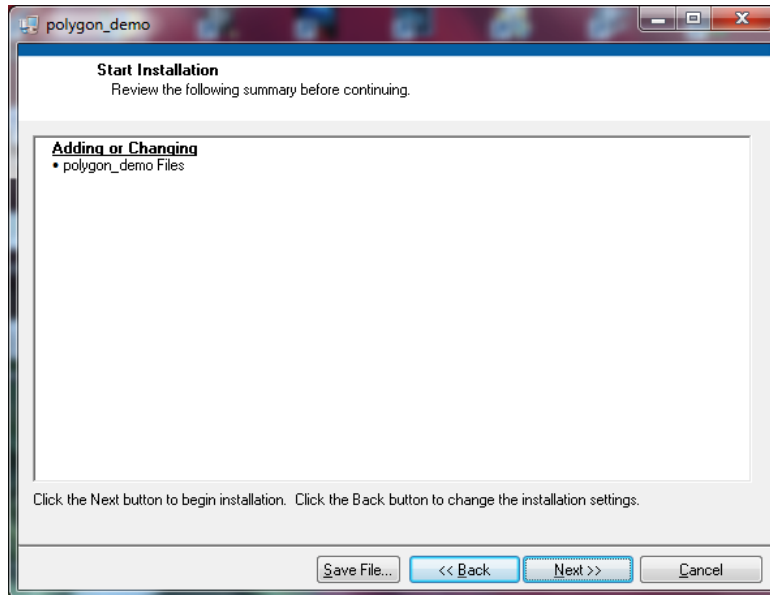


Fig.12

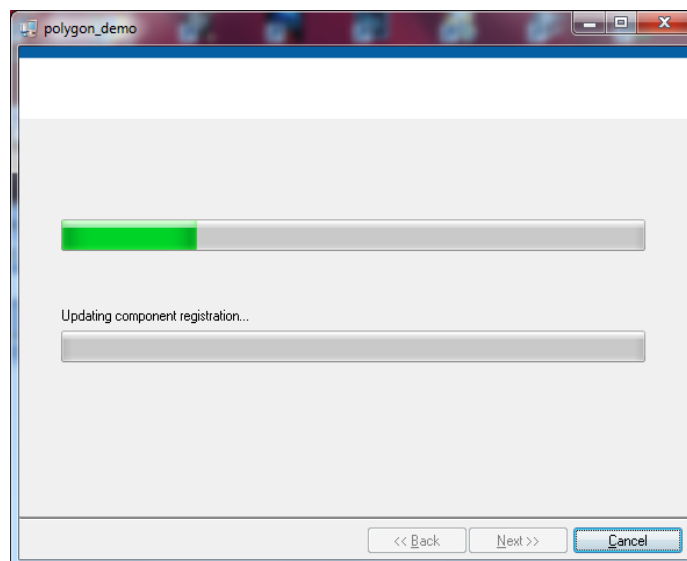


Fig.13

New window was appeared, installation was successfully completed. Press button “Finish“(Fig.14).

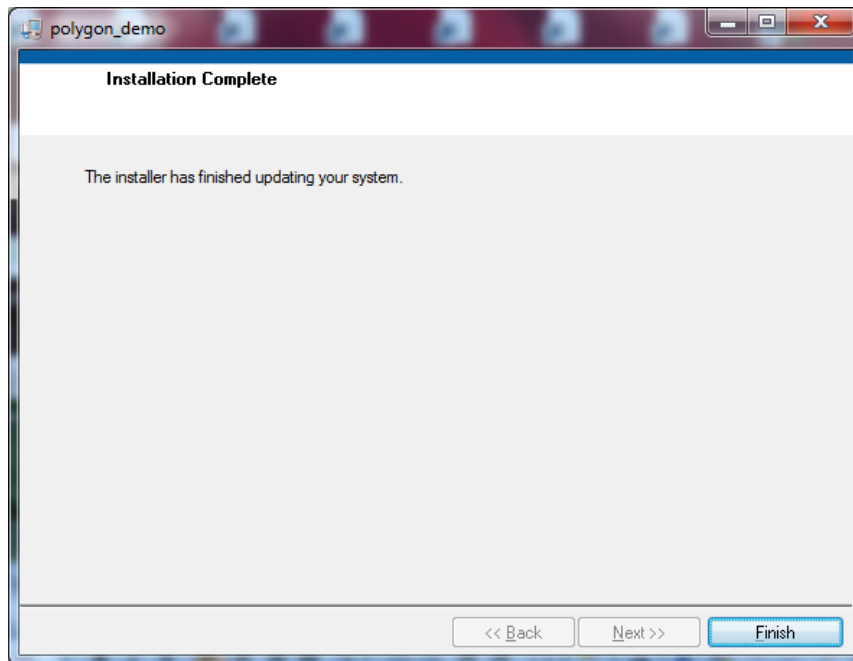




Fig.14

2. Starting of software for TDAMS

2.1 From Start Programs Menu select folder  Polygon and in this folder choose program  polygon_demo. Run the program by **polygon_demo** clicking.

Window **systems.vi** will appears.

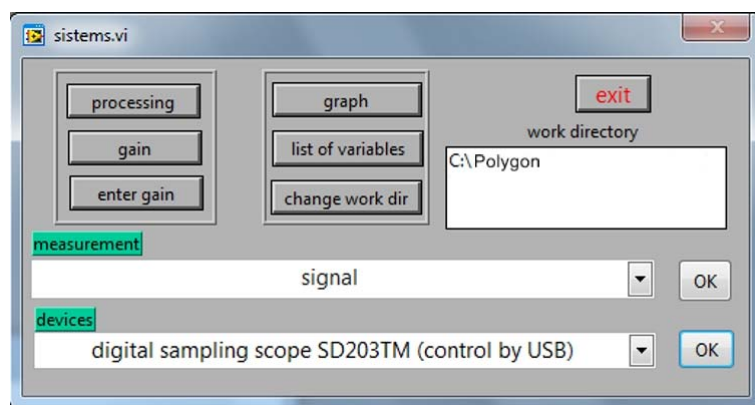
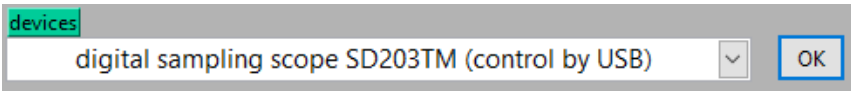


Fig.15

2.2 Select  and press button “OK” (program to control oscilloscope (demo version) will appears on the monitor screen).

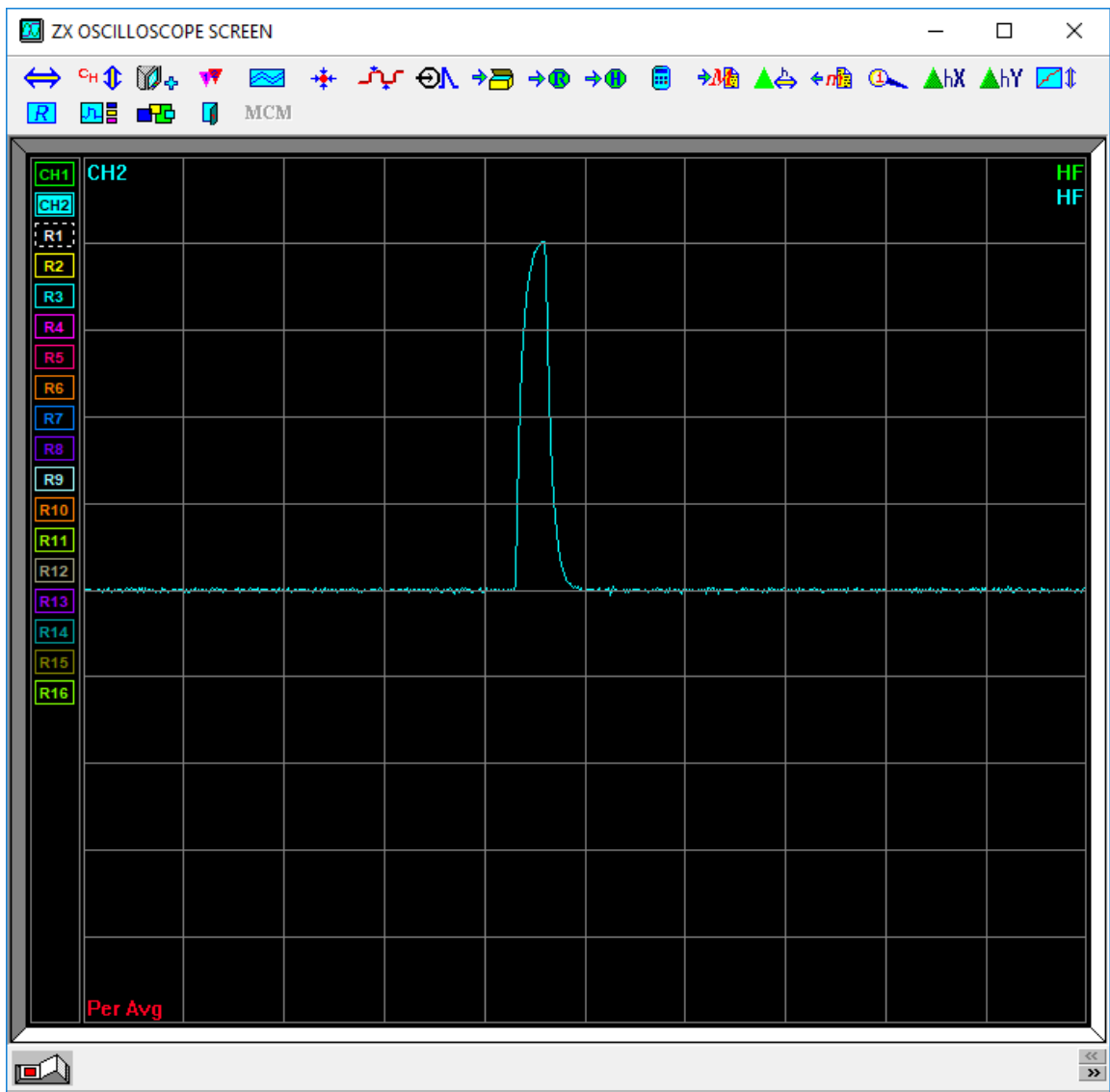
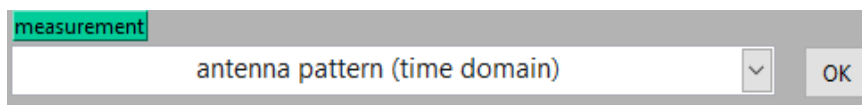


Fig.16

2.3 For Antenna Pattern measurement select “antenna pattern (time domain)” and press button “OK”.



New window will appears.

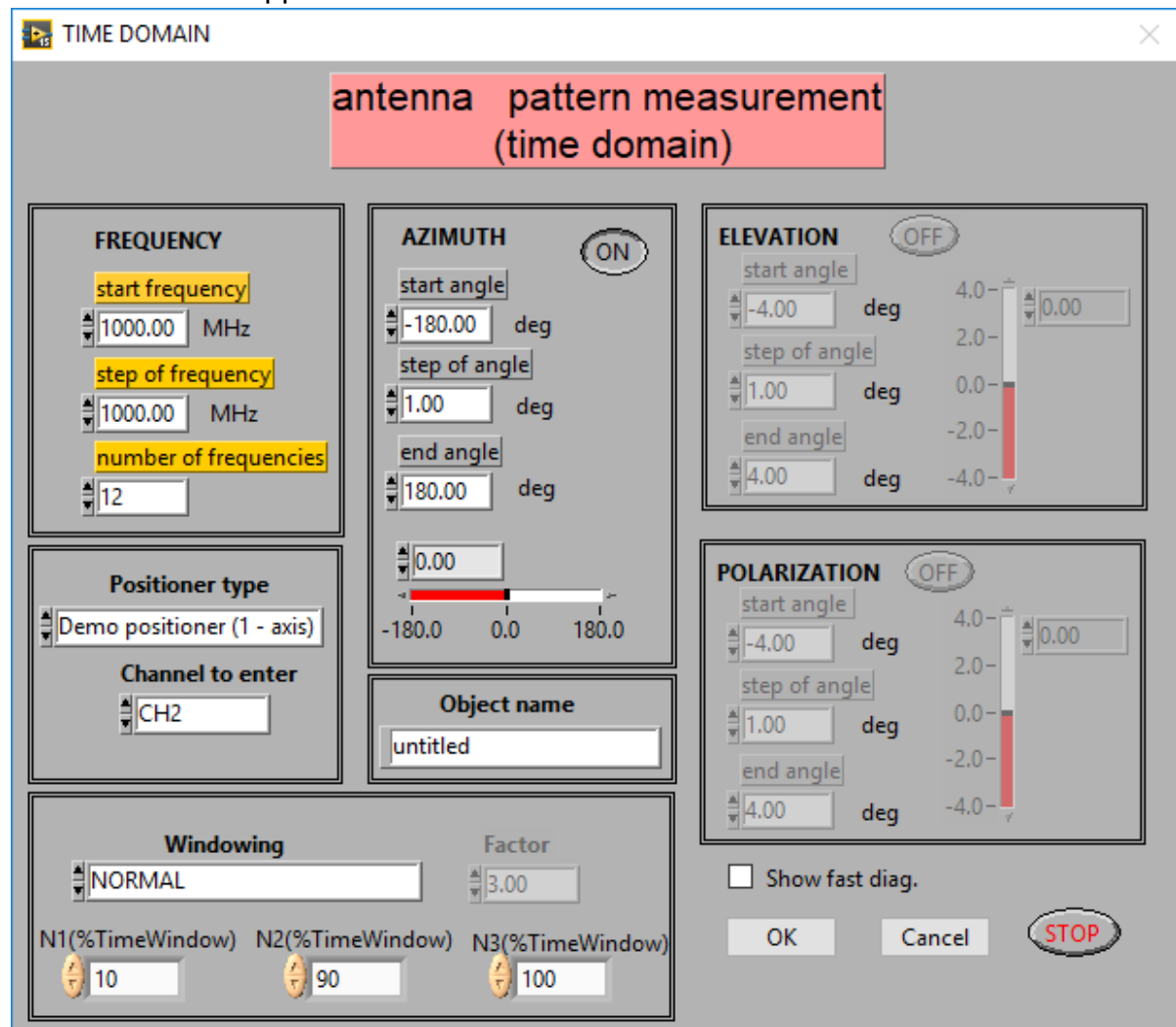


Fig.17

In this window select True state in the checkbox Show fast diag. and press button .

New window will appears (Fig.17)

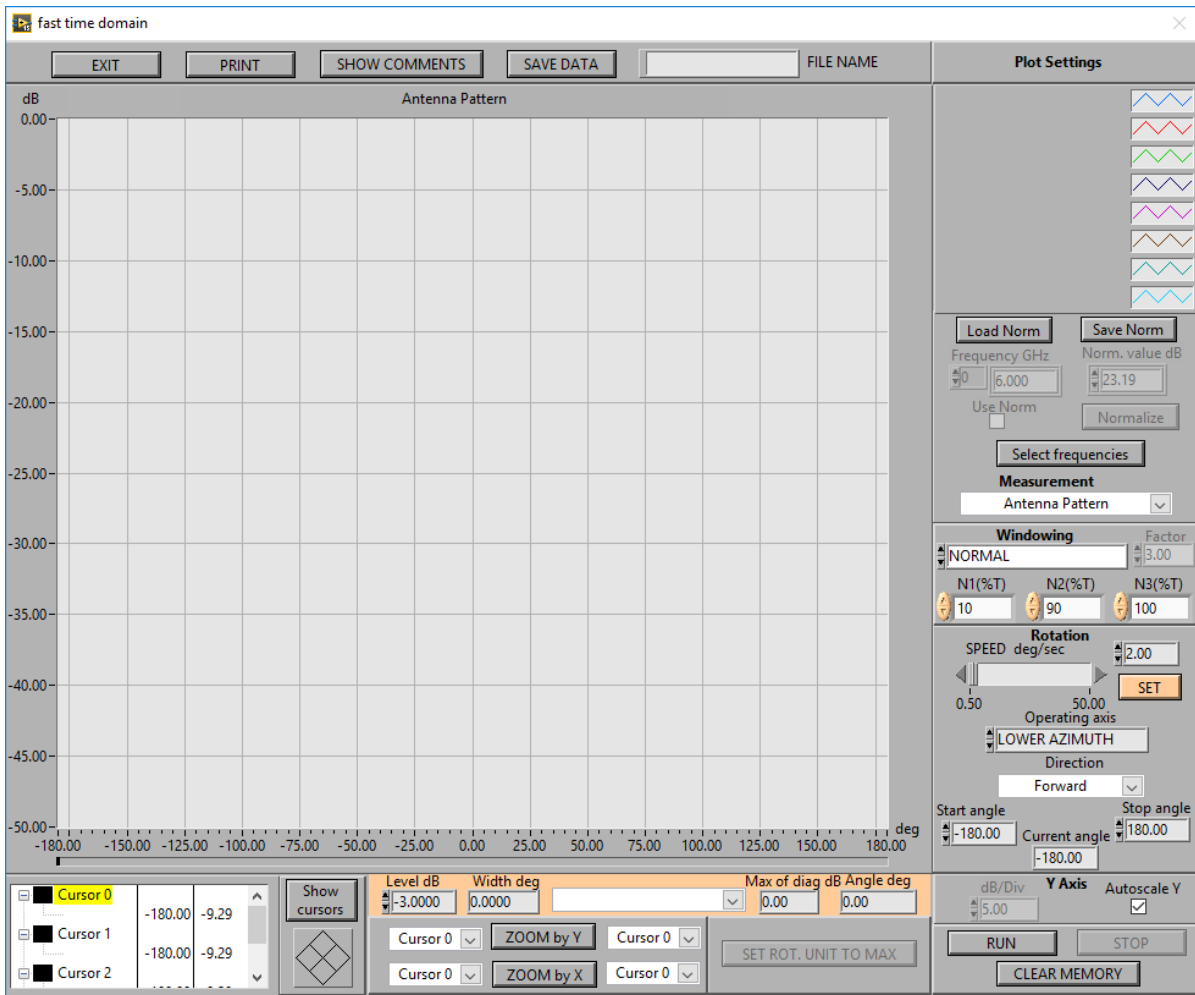
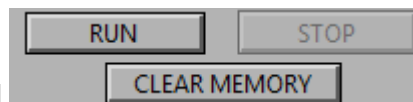
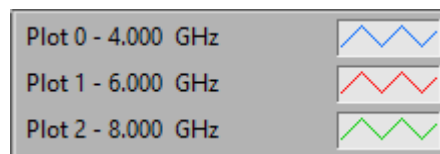
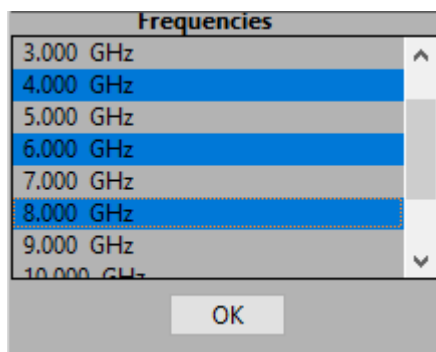


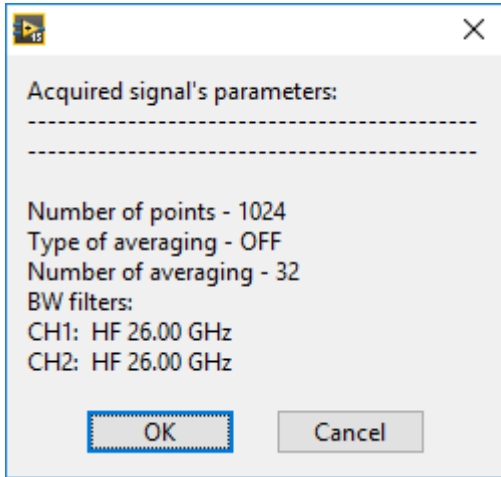
Fig.18

Press button **Select frequencies** and select one or more frequencies (press button “Ctrl” on keyboard and choose frequencies by clicking on them) to observe it’s. (For example: 4 GHz, 6 GHz and 8 GHz). Press OK to confirm your choose.



To start measurement press button **RUN**

On the screen will appear signal's parameters information window



, press OK to continue measure.

On the screen you can observe Antenna Pattern plots.

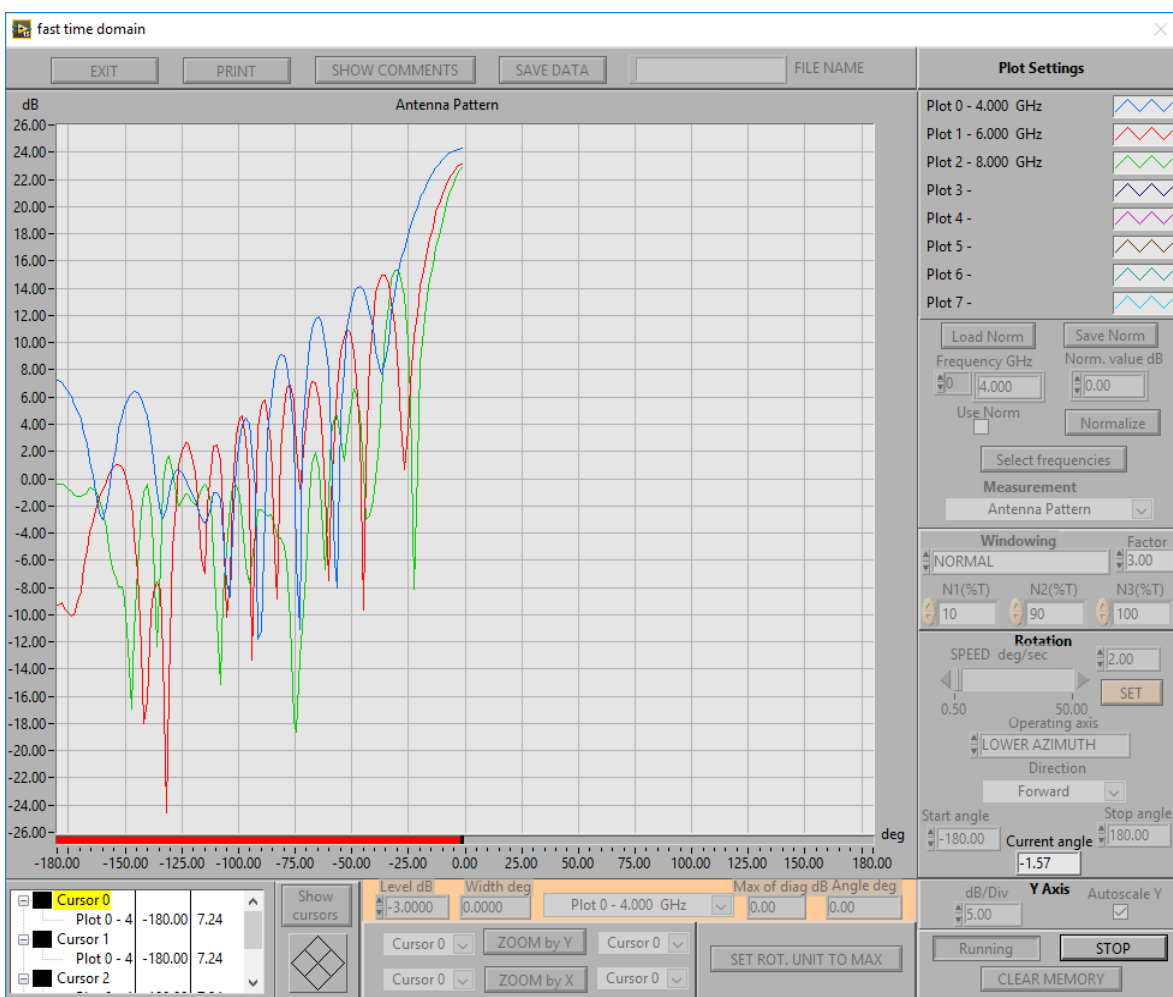
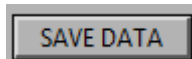
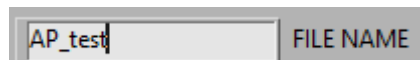


Fig.19

When measurement will be done, you can save it to file. Press button



to save data to file (file name enter in control



. Data will

be saved in two files: <file name_amp.rgg> - Antenna Patterns in complex form and <file name_ph.rgg> -Phase measurement. Before view Antenna Pattern in the Graph

module, you should make processing complex data of Antenna Pattern (module, normalization, dB) or (module, dB).

For more information, please see **Time Domain Antenna Measurement System Manual**.