Simple Guide to NCV75215 Qt Software

After running the file P215.exe, you will get following window – Figure 1:
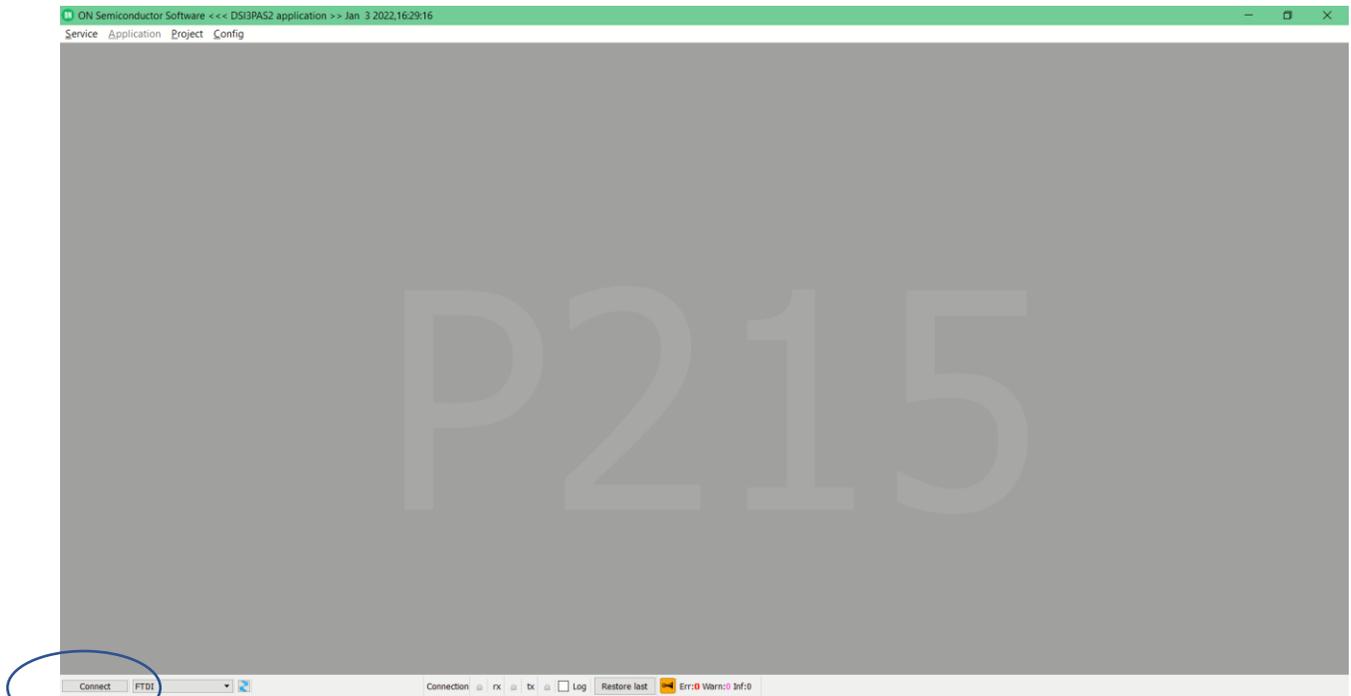

Figure 1

Click Connect

It consists of 2 main windows, NCV75215 Configuration window and NCV75215 Measurement window – Figure 2:
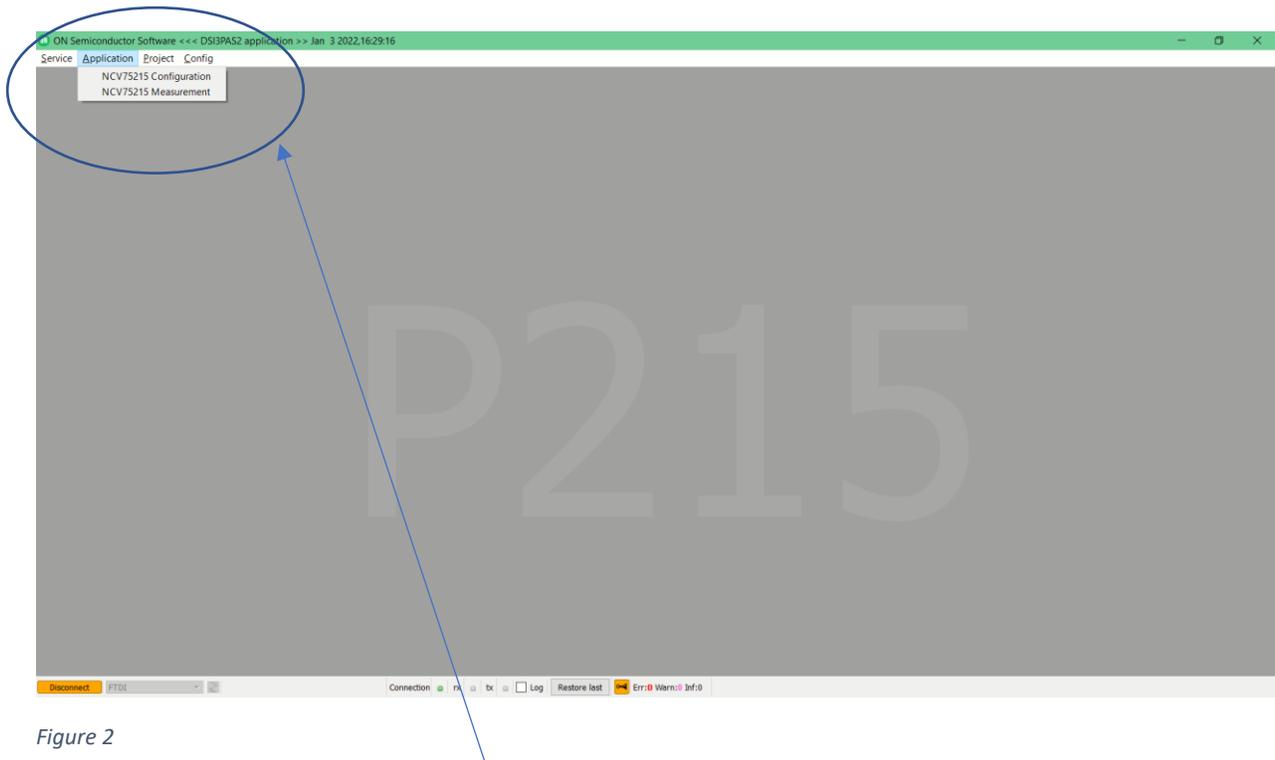

Figure 2

Open both these windows (NCV75215 Configuration Window as well as NCV75215 Measurement Window)

You can select Configuration File provided together with this GUI – file names are P215_conf_MA48CF15.bench and P215_conf_MA58MF14.bench, based on used transducer – Figure 3.
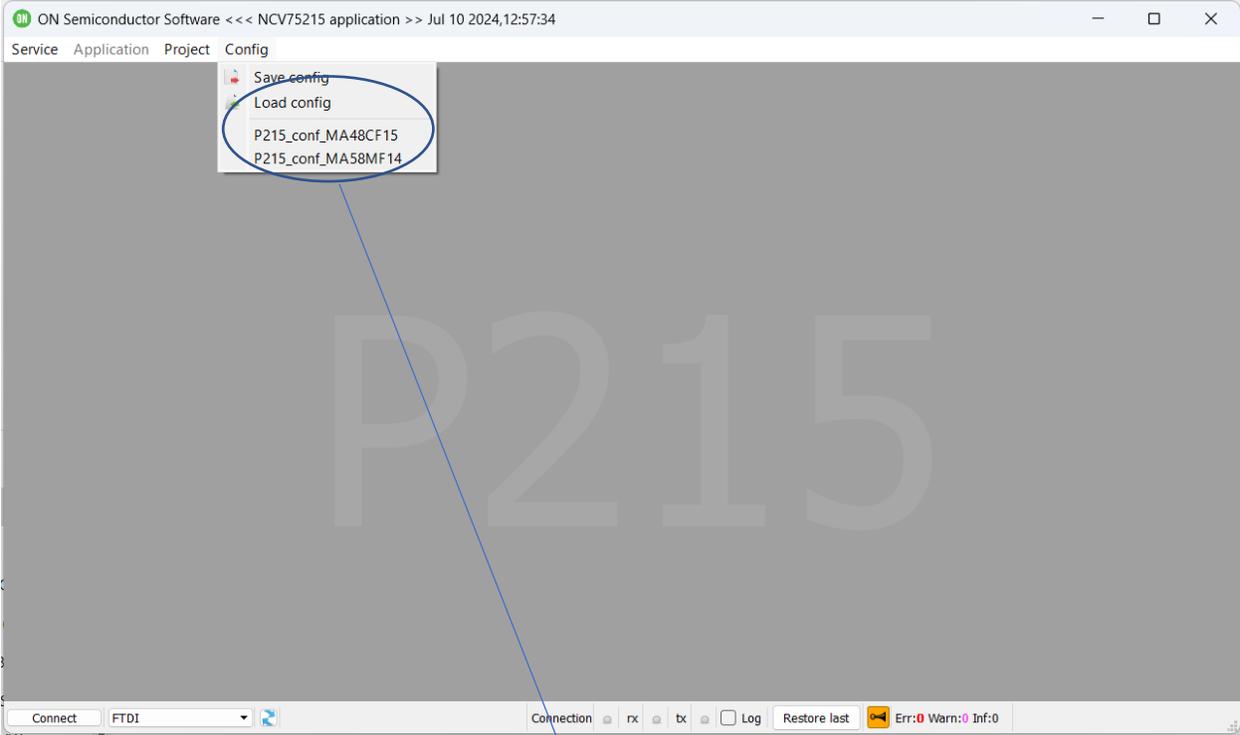

Figure 3

Open provided configuration file by clicking Load config

MA48CF15:   MA58MF14

Now you can configure NCV75215 GUI by opening NCV75215 Configuration window: - Figure 4
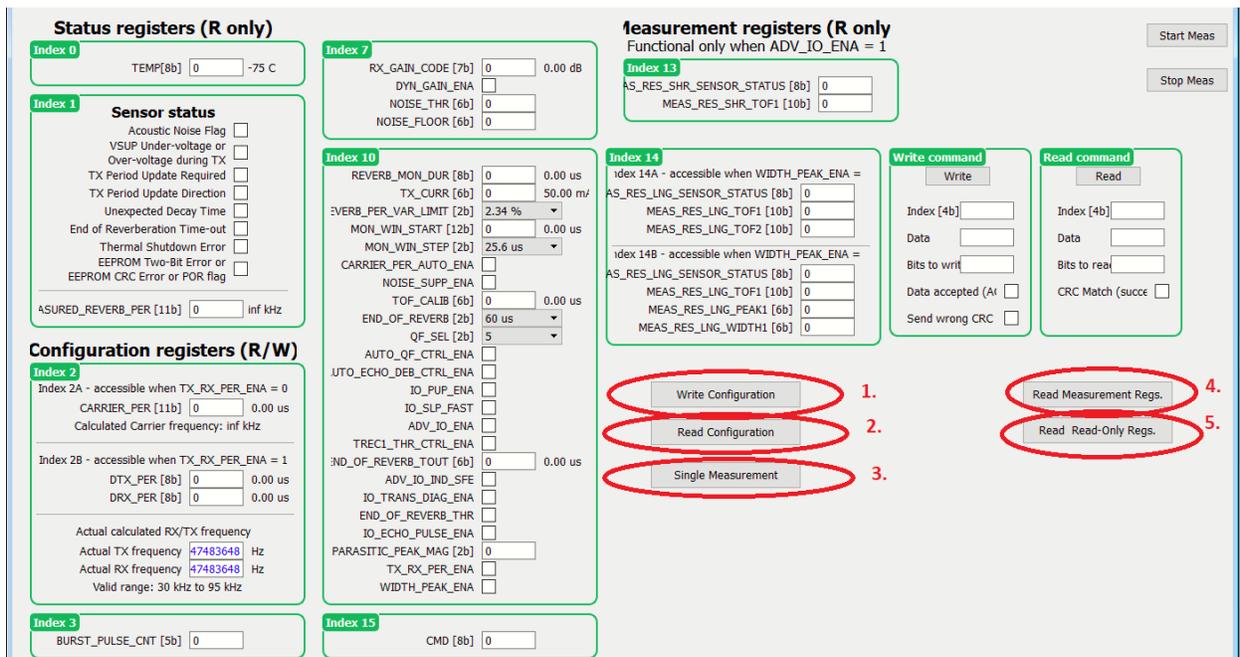

Figure 4

In this window, you have access to all configuration registers.

You can configure NCV75215 by clicking on button Write Configuration (**item 1** on the picture).

You can read back configuration registers of NCV75215 by clicking on button Read Configuration (**item 2**).

Then you can already start measurement by clicking on button Single Measurement (**item 3**).

When a measurement was performed, you can read Measurement registers (index 13 and 14) – by clicking on Read Measurement regs (**item 4**).

By clicking on Read Read-only regs (**item 5**), you can get chip's junction temperature.

Figure 5
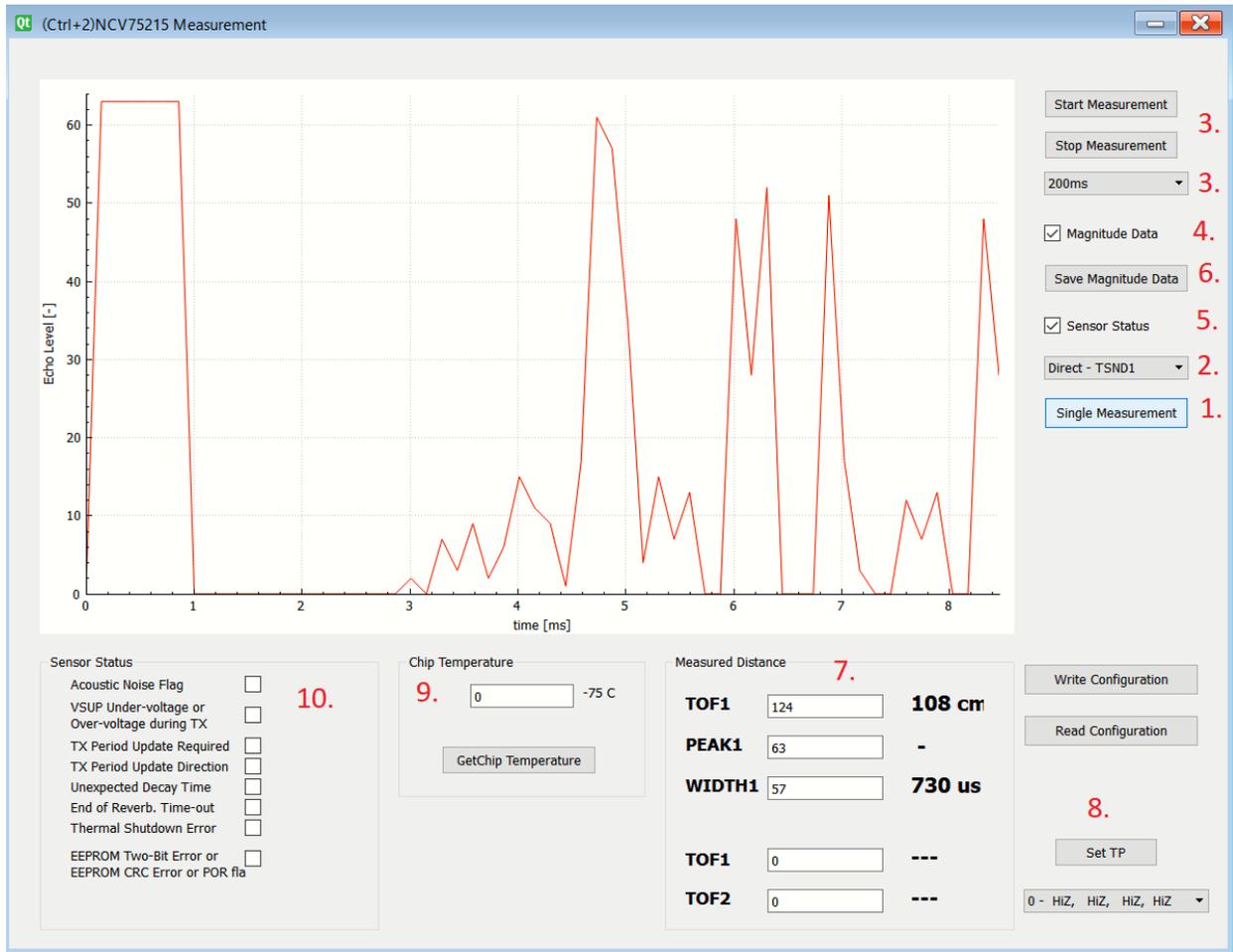
Main Measurement window is present in Figure 5.

You can perform single measurement by clicking on **Item1.**

Item 2 selects the direct / indirect measurement.

Item 3 starts periodic measurements with period 200, 500 or 1000 ms.

Item 4 enables Magnitude data at each measurement

Item 5 updates Sensor status at each measurement

Item 6 saves magnitude data into the csv file

Item 7 contains Measured distance

Item 8 selects Debugging output on TST0 to TST3

In **Item 9** you can read back chip's temperature

Item 10 shows sensor status