



Application Note AN09

Using the Excel Macro "ATE demo"

Purpose

This application explains how to set up and use the ATE demo that can be downloaded as a zip archive from our homepage.

Requirements

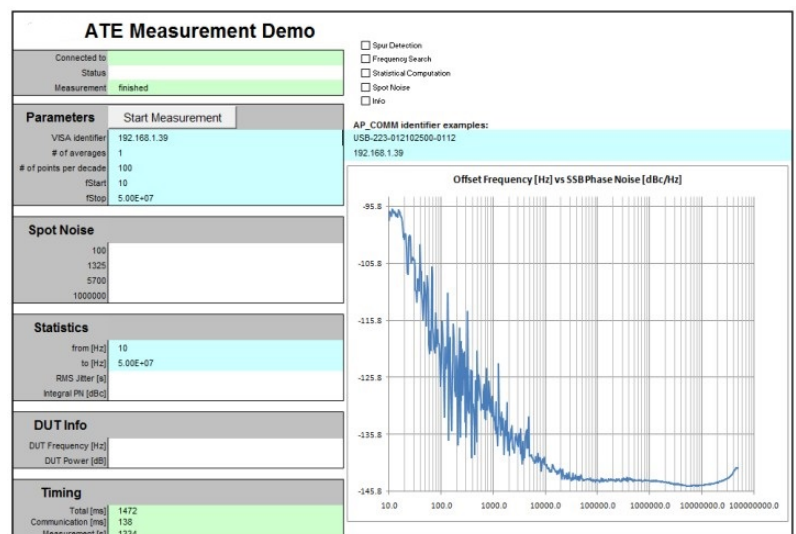
For the macro to work, the following components must be installed.

- *VISA shared components*: You need to install the PNT GUI and check the option to "install USB drivers". This will automatically install the required VISA drivers.
- *AP Comm COM lib*: The BNC communication COM-library is necessary to access the drivers from within VBA. Unzip the archive that you have downloaded. In the folder "AP Comm COM lib" you will find the file "register_AP_COMM_COM.bat" which you will have to run with administrative rights (right click -> Run as administrator). The batch file will register the library (that is located in the same folder) automatically.
- *Microsoft Excel*: You will need an installation of Microsoft Excel.

Using the macro

Double click "ATE demo.xls". If you don't have macros enabled by default, there will be a message notifying you that the Macro in this file has been disabled. Enable it again. You can also configure Excel to always accept macros.

After startup, the basic user interface is shown. The blue background cells are user inputs. First, we need to set the VISA identifier. If the PNT is connected over Ethernet, the VISA identifier is the IP. For USB connections, the VISA identifier will be 'USB-<serial>' as shown in the first example on the right.



To start the measurement, click on the measurement button.

Note

To optimize for speed, some of the measurement stages can be turned off. Keep in mind that the frequency search has to be activated for the first measurement of a newly connected DUT.