CoCo-DSA (Digital Signal Analyzer)

Selecting a Test

- Select **CSA Application** from the home screen.

- Select which type of test you wish to run. For this example we will choose **Frequency Response**.

- Select the test that you wish to run. On this screen you can see important parameters like *Channels Enabled*, *Max Sampling Rate*, and a description of the test.

- This will then pull up the test window

Creating Windows

- To create a new window, first select the **Traces** button or **F1**.

- This will open a menu of all your previously created window. Select **Trace and Windows Settings**.

- Select **Windows** or **F1**. A list of possible windows to create will appear. In this scenario we will choose **Add a Window with one Trace**.

- A list of all created signals will appear. Here you can check which signals you wish to view in the window.

Setting Parameters

- To configure parameters for a test, select the **Param.** or **F2** button.
- This will open up a list of editable parameters.
- To change frequency range, select **Frequency Range**.
  - This will show a wide range of different frequencies to choose from.
- To adjust input settings, select **Input Channels**.
  - Press on *Sensitivity* for a channel.
    - This will open up a menu in which the **Measurement Quality**, **Engineering Unit**, and the **Sensor Sensitivity** can all be adjusted.
  - Press on *Input Mode* for a channel.
    - Here you can change the input for different sensors.

Recording Time Streams

- Press **F2/Param.** and select **Time Streams Recording Setup**.
- The table lists all available signals to record. Press the box next to the signal to add the check mark and select channels to record.

- Press **F6/OK** to save changes and go back to live signal display.
- Press **Rec/Stop** hard key once to start raw time waveform recording. Recording in progress is confirmed with the recording status box and flashing Rec with red dot in top bar.
  - Press **Rec/Stop** once again to stop time stream recording.

Saving Signals

- For saving frequency domain signals, press **F2/Params.** and select **Spectral Save Setup**.
- The table lists all available signals to record, press the box next to the signal to add the check mark and select channels to record.
  - Press **F6/OK** to save changes and go back to live signal display.
- When ready to save signals, press the **Save** hard key. A list of saving options will show to save the signals.
  - A header box will verify signals have been saved.

Viewing Recorded Data

- Press the **File** hard key to view the list of saved and recorded files
  - Raw time waveforms are denoted as **RECxxxx** by default.
  - Spectral Saves are denoted as **SIGxxxx** by default.
- After highlighting the file you wish to open, click **View File** or **F4** to open and view the recording.