iBA Group testing Quick Start Guide
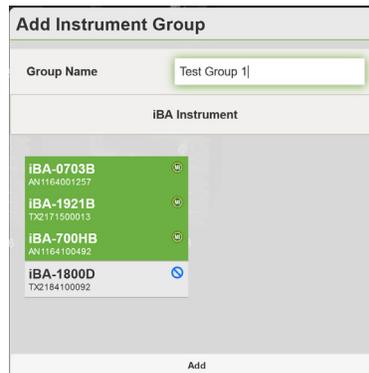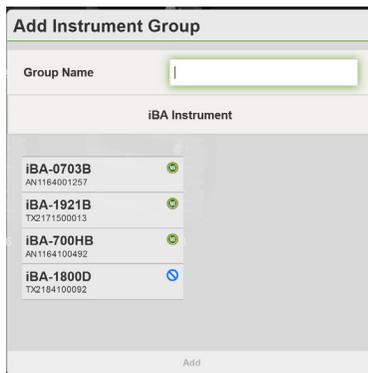## Concurrent multiple iBA PIM tests with integrated DUT test reports

The following steps outline how to install and use the iBA Group testing feature purchased from Kaelus.

To use the iBA Group test feature, provide the serial numbers of all iBAs to be used in the testing group to your Kaelus representative. A feature file for each iBA will be provided. Copy the feature file for each iBA into the top directory of the corresponding iBA instrument via USB. Once all iBAs in the group have their feature files installed, restart the PIM Server and set it to SUPERVISOR mode to add test groups.

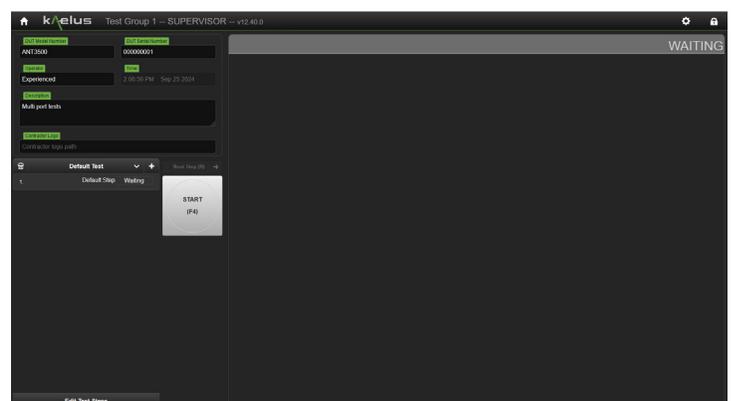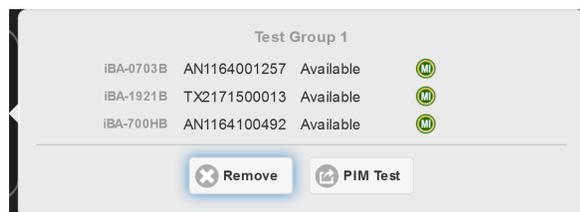Please read the entire Quick Start guide BEFORE using the iBA Group feature.

1. CREATING YOUR FIRST GROUP TEST.

- Press Add Instrument Group on the PIM Server homescreen, "Add Instument Group" is located in the bottom right corner of the home screen.

- The Add Instrument Group Dialogue will appear.

- Instruments with the Group test feature will appear with a multi-instrument symbol beside them.

- Select the instruments to add, give the group a name and press Add.

- If the Group test feature has not been added for the instrument a symbol will appear.
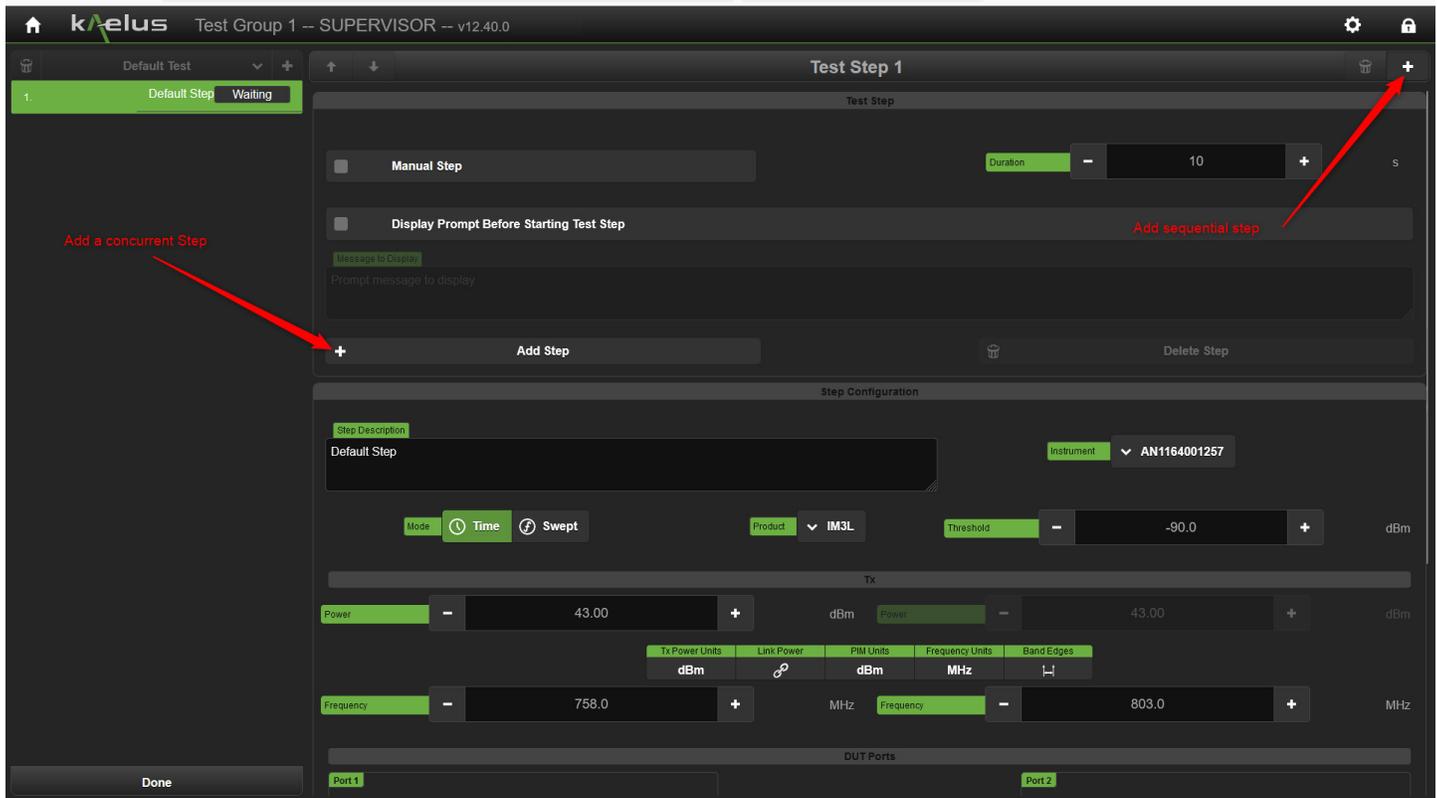

2. ADDING TEST STEPS TO THE GROUP.

- On the home screen press on the group name you have created, the PIM Test / Remove dialogue will pop up, Press the PIM Test button to enter the Production test screen.
- Press "Edit Test Steps".

- There are 2 types of steps that can be added now to a test sequence. Concurrent steps that allow a number of iBA's to operate at the same time and Sequential steps where instruments, operate a step at a time as was possible in conventional Production mode.

- The maximum number of concurrent steps is determined by the number of iBA's available. The iBA to be used for the concurrent step is determined by the instrument pulldown menu selection. Once an iBA has been used in a concurrent step the next concurrent step you create will only have the remaining iBA's available as a resource.

- A new sequential step can then be created with one or more of the available iBA's. With dual port iBA's this allows for a change in port selection as required. Concurrent steps reside under a sequential step, the next sequential step is executed once all of the concurrent steps under that sequential step are completed.

- Press "Done" when you have completed adding steps

- Press "START" to run the tests .

3. COLLECTING THE INTEGRATED DUT REPORT.

- Instead of being stored in the Production Reports directory under the individual instruments, the report is now stored under the group name.

4. PLOT LAYOUT COLUMNS.

- You can adjust the number of columns displaying the plots during a test in the Settings menu.