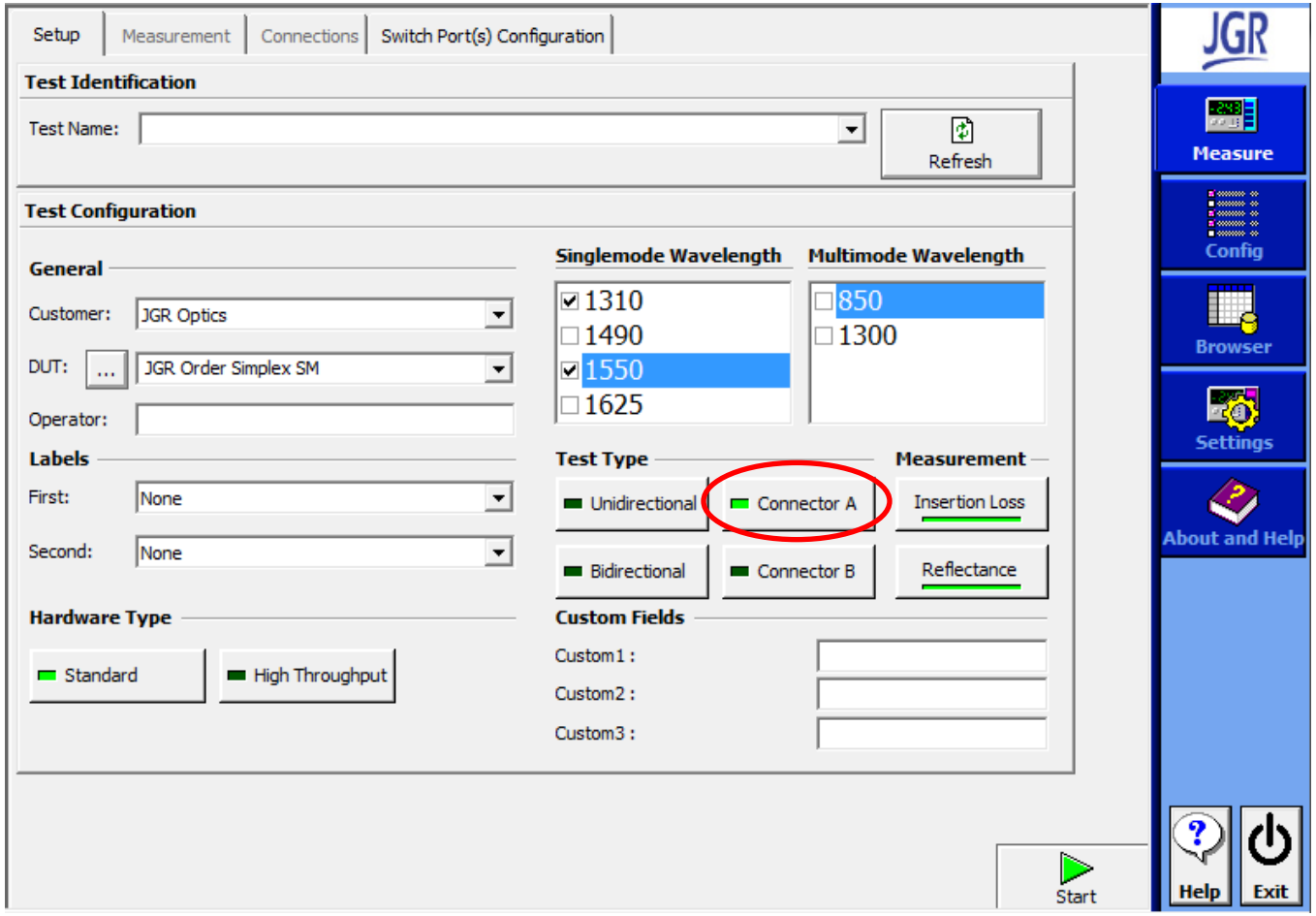
Different Test Types

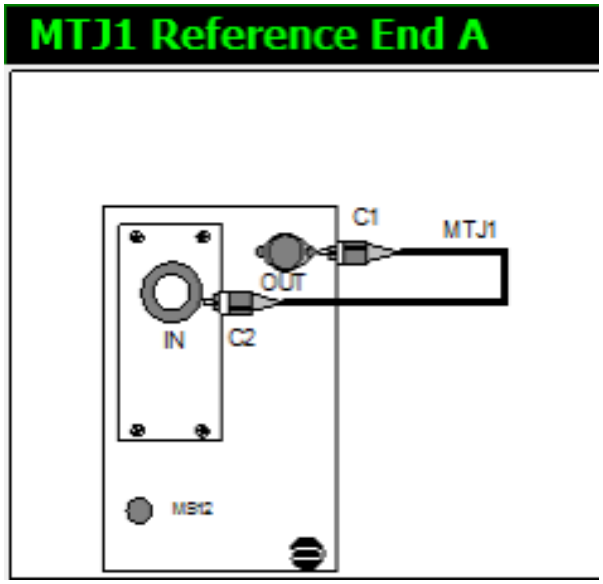
Different Test Types (Connector A)

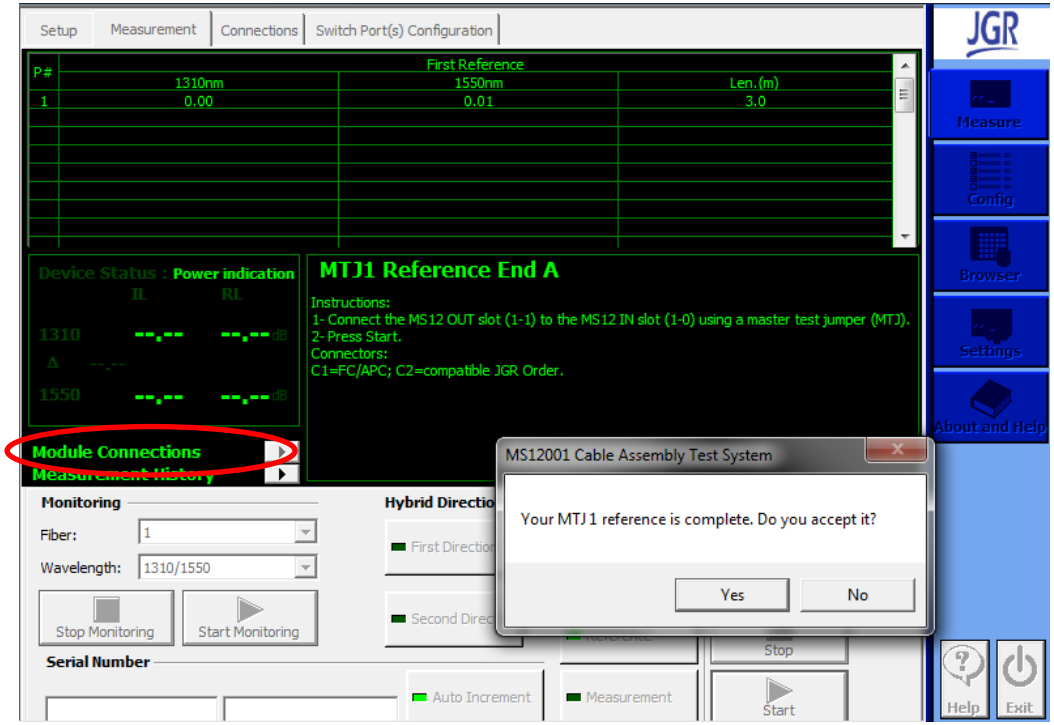
- The first test type that will be explained is “Connector A”.



Different Test Types (Connector A)

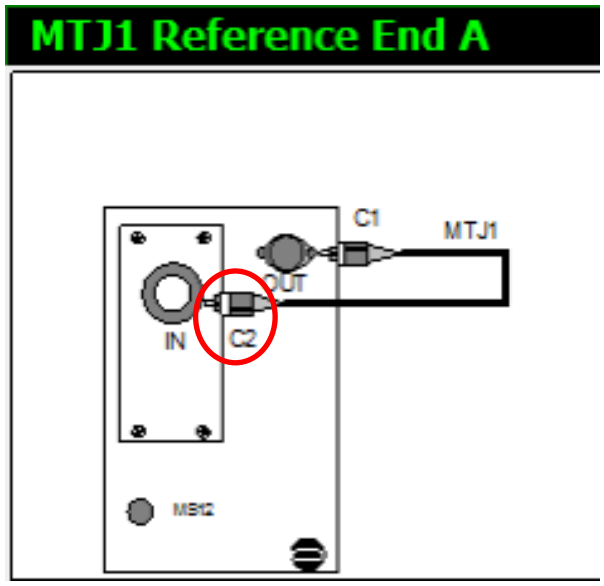
- This test will test one end of the DUT. To start there needs to be a reference for Master Test Jumper 1 (MTJ1).
- The bring up the window on the left click on the “Module Connections” arrow.

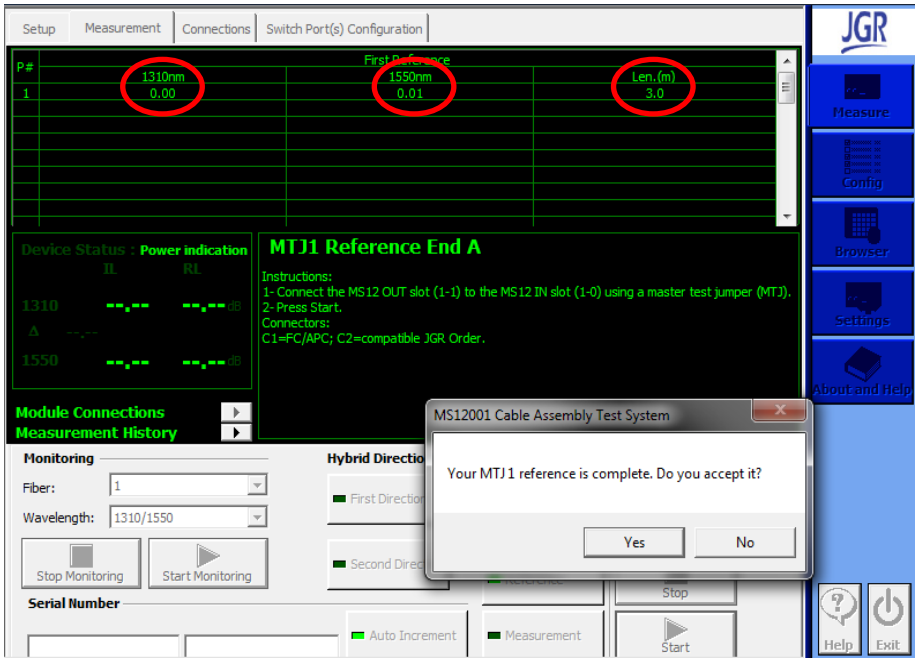




Different Test Types (Connector A)

- As seen on the right figure, ensure that the reference values are low. If they are above 0.5dB check for contaminants, damage, or the mating of the connectors may be poor.
- The length is also a good indicator if there is a problem with MTJ1.
- Note that for multimode MTJ1, end (C2) must be a UPC connector.

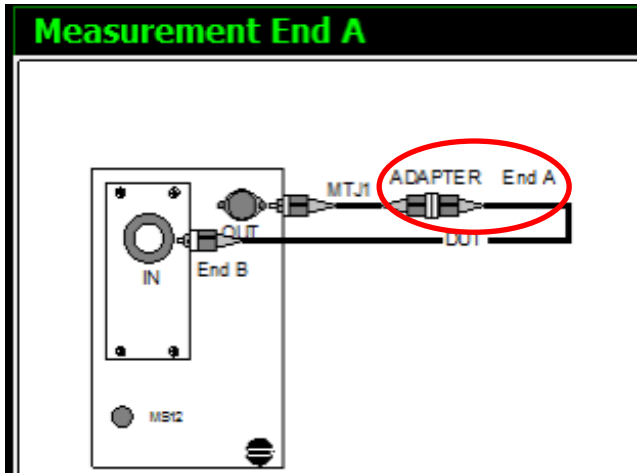


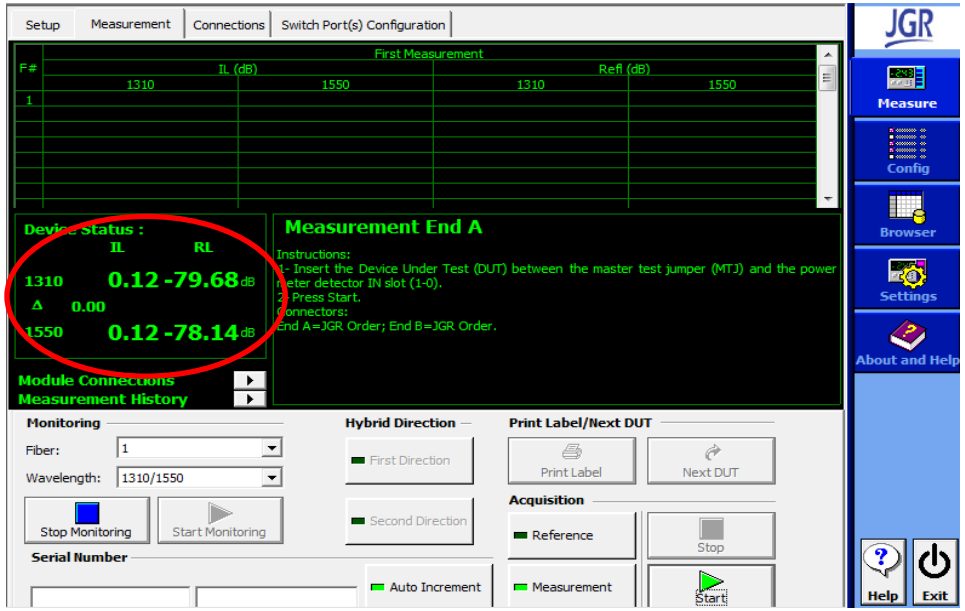


Different Test Types (Connector A)

- When ready to test, connect the DUT as shown in the left figure. The measurement taken will be that of Connector labelled End A.

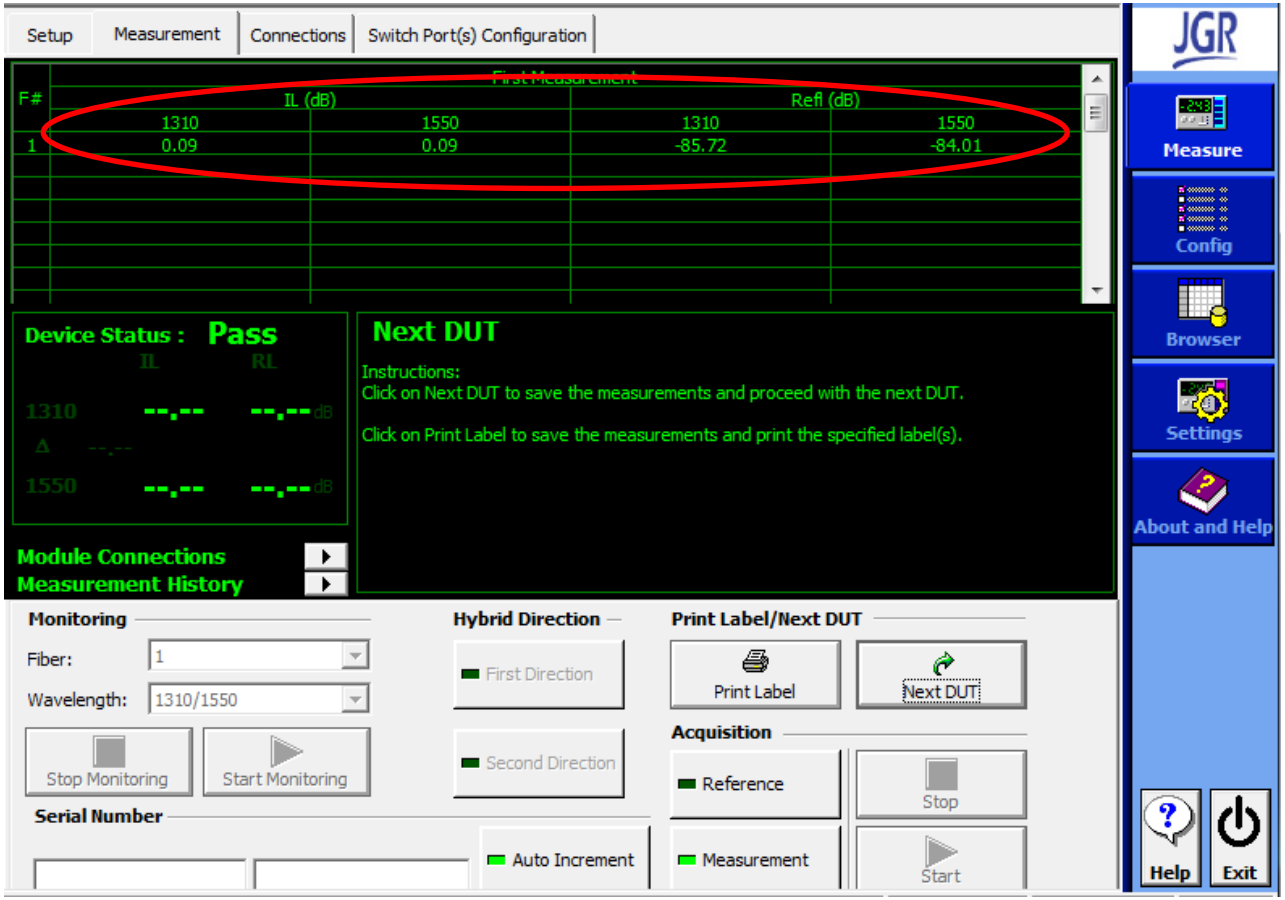
- In the figure on the right it is possible to see the real-time dual display of an APC connection. The display is ***not*** a real measurement but more of a guide for the operator to know if the connection is good.





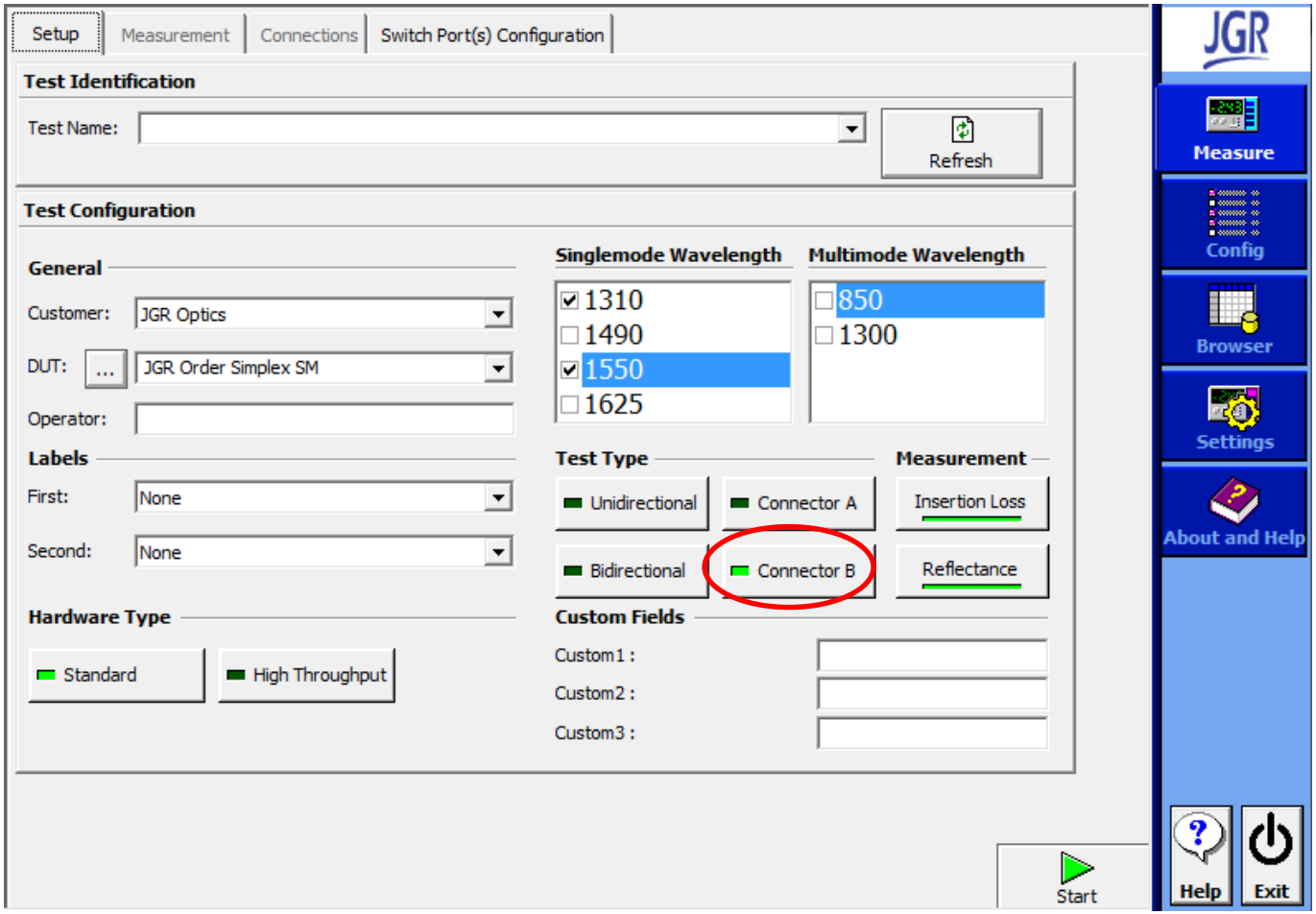
Different Test Types (Connector A)

- As seen in the figure, the measurement has been taken. These are the values of the connection between MTJ1 and the DUT at End A.



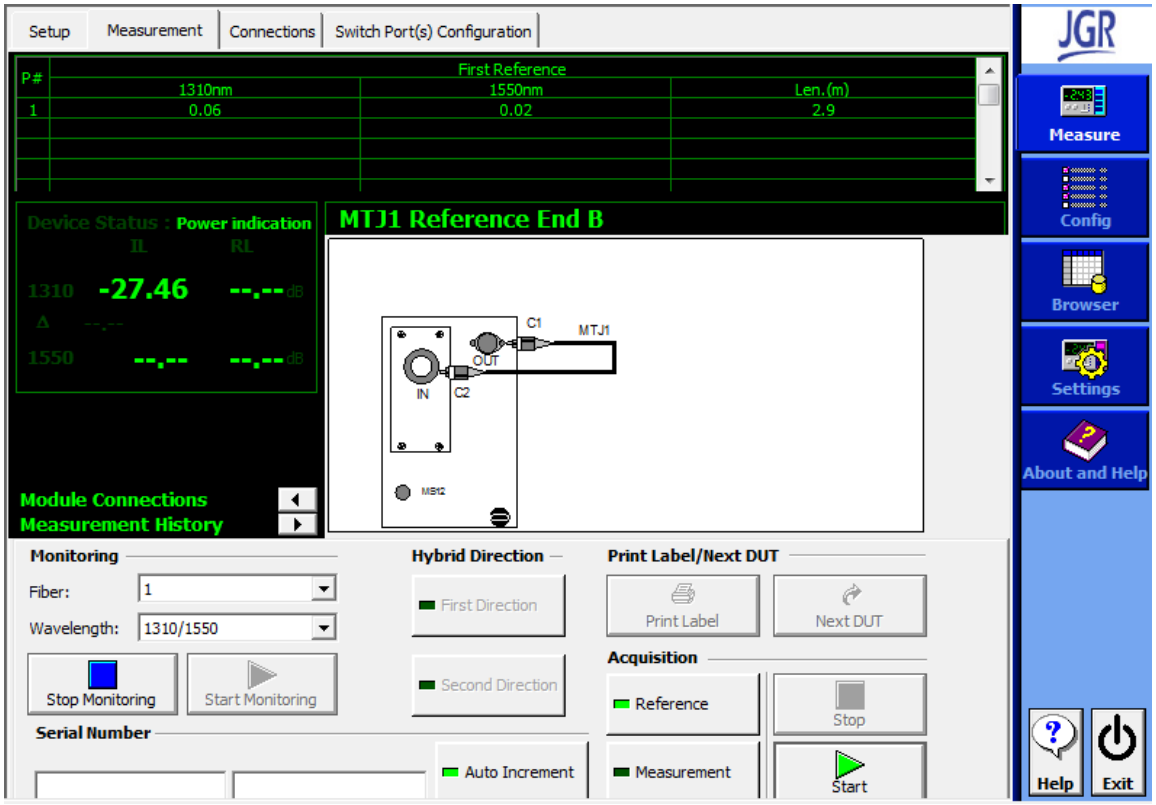
Different Test Types (Connector B)

- The next test type that will be explained is “Connector B”.



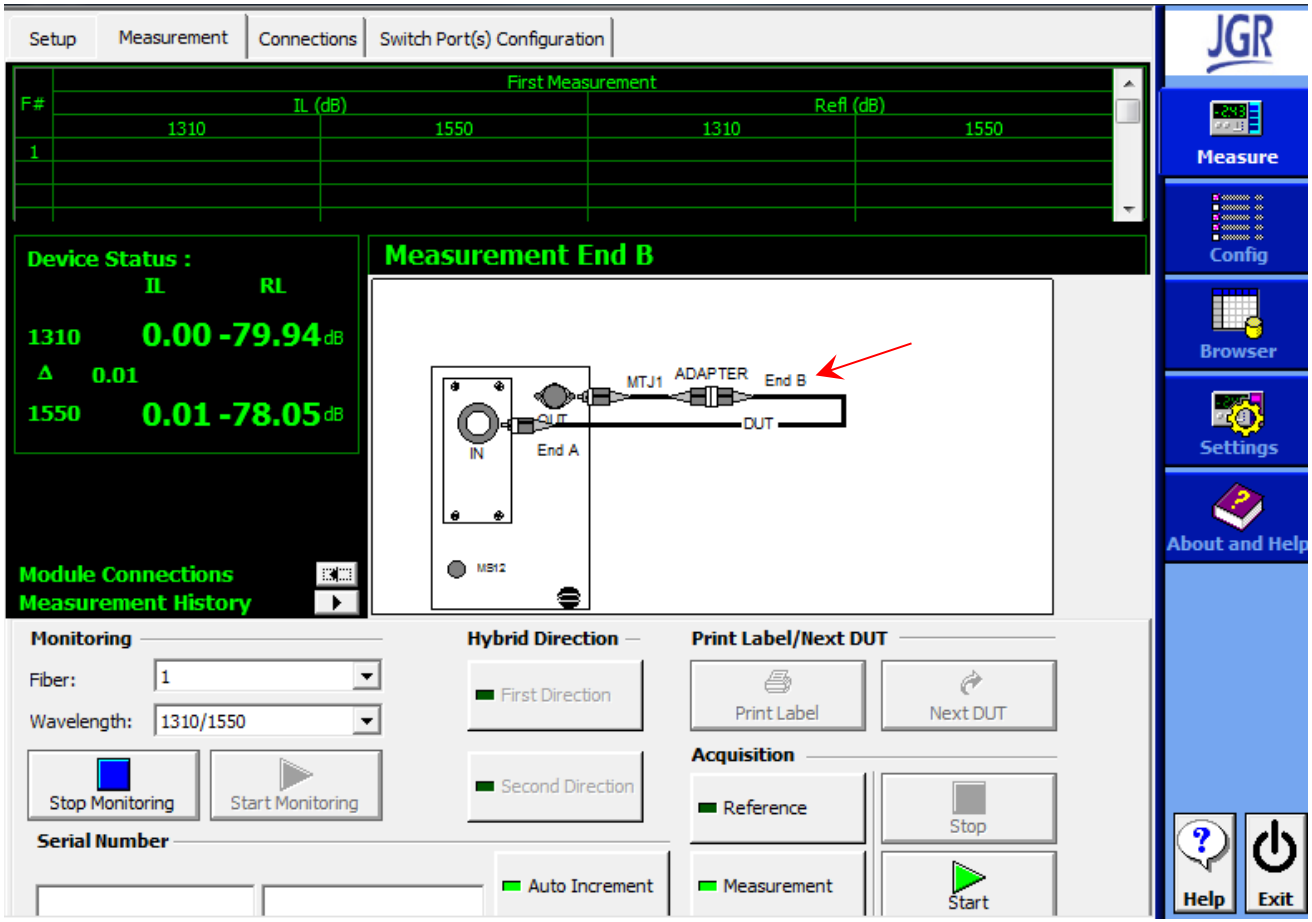
Different Test Types (Connector B)

- This Test Type is the same as Connector A test type. The only difference is that the operator is now checking the opposite connector, End B. The figure shows the reference being taken.



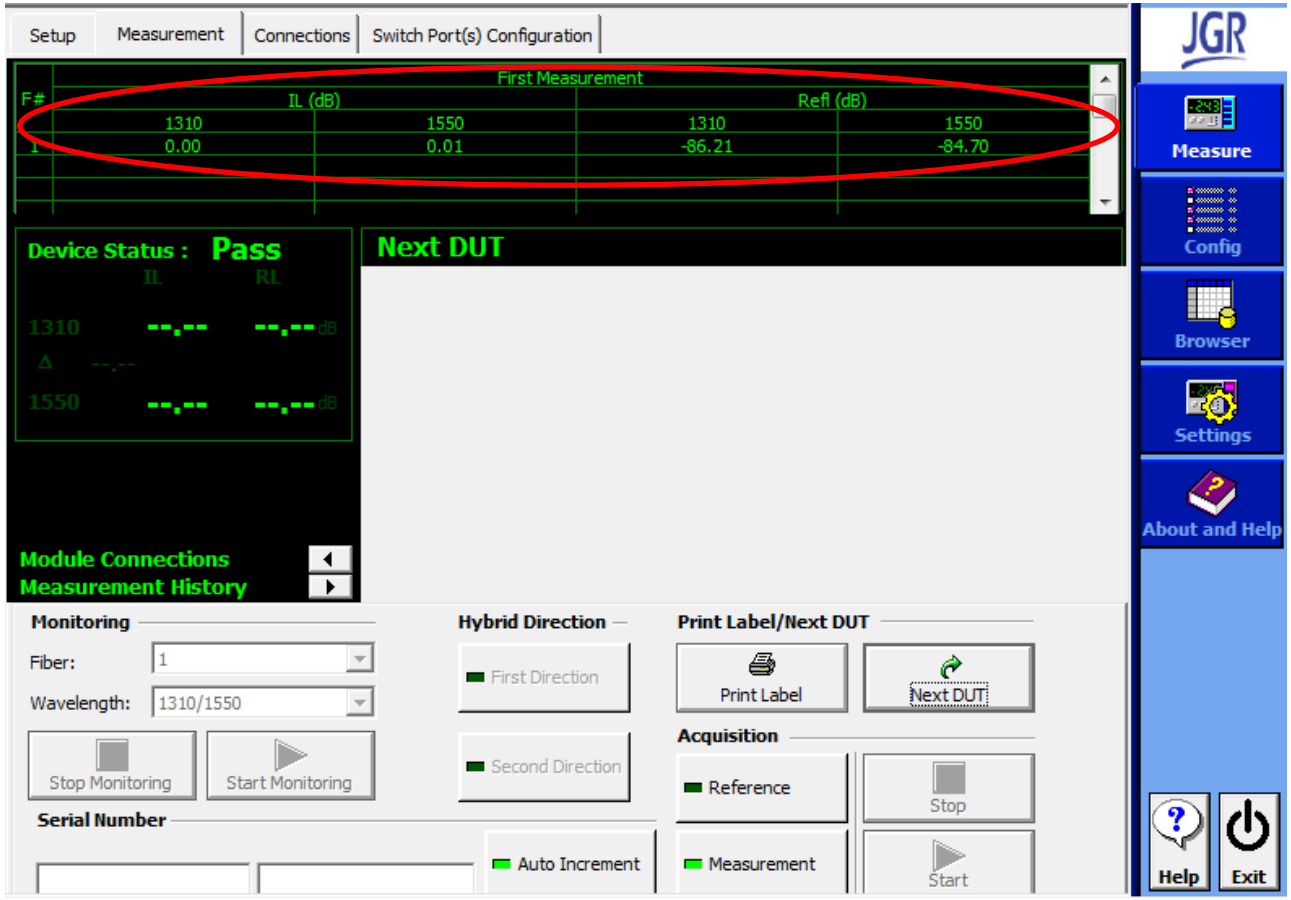
Different Test Types (Connector B)

- As seen in the figure below, the DUT is flipped in order to measure End B.



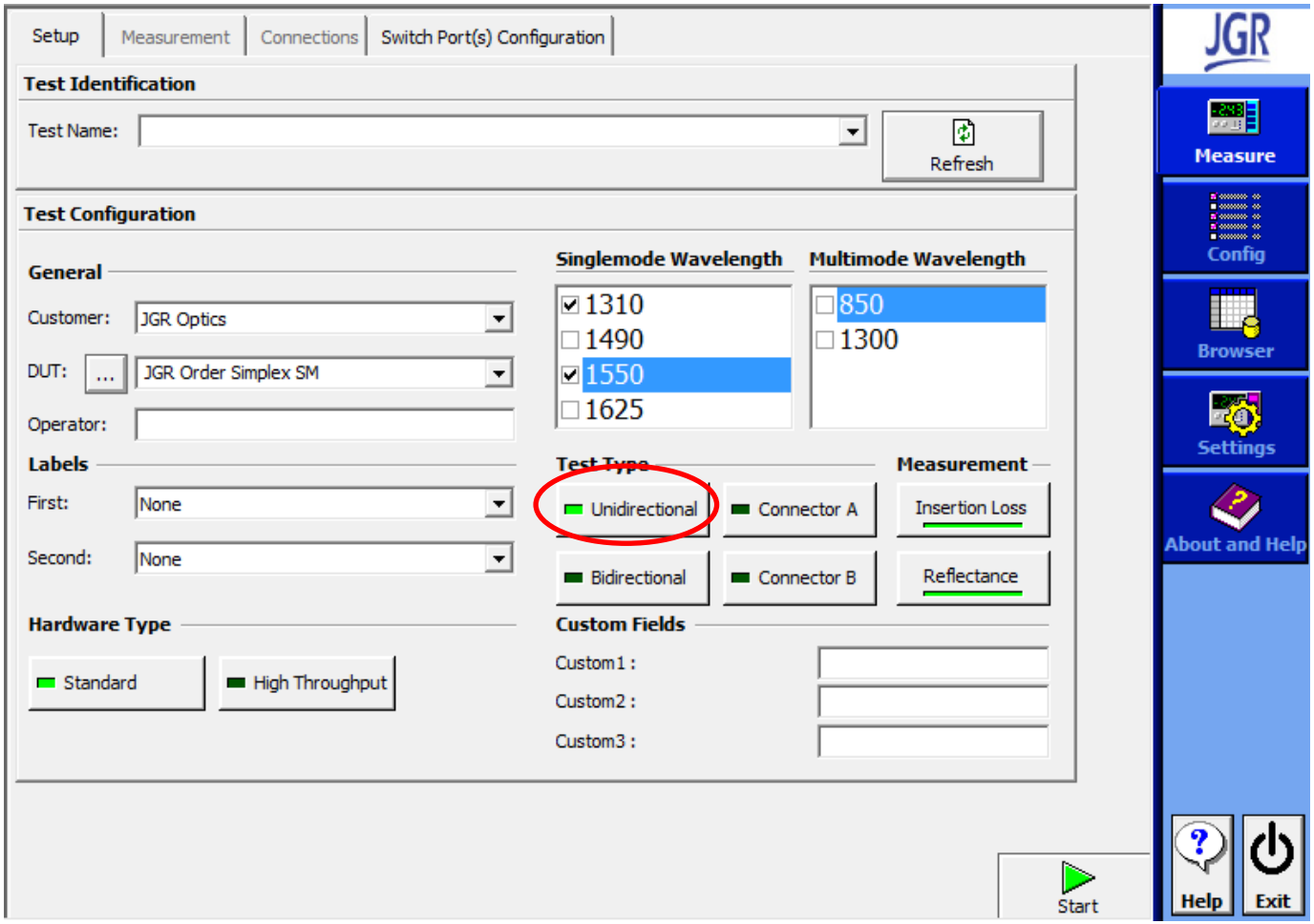
Different Test Types (Connector B)

- As seen in the figure, the measurement has been taken. These are the values of the connection between MTJ1 and the DUT at End B.



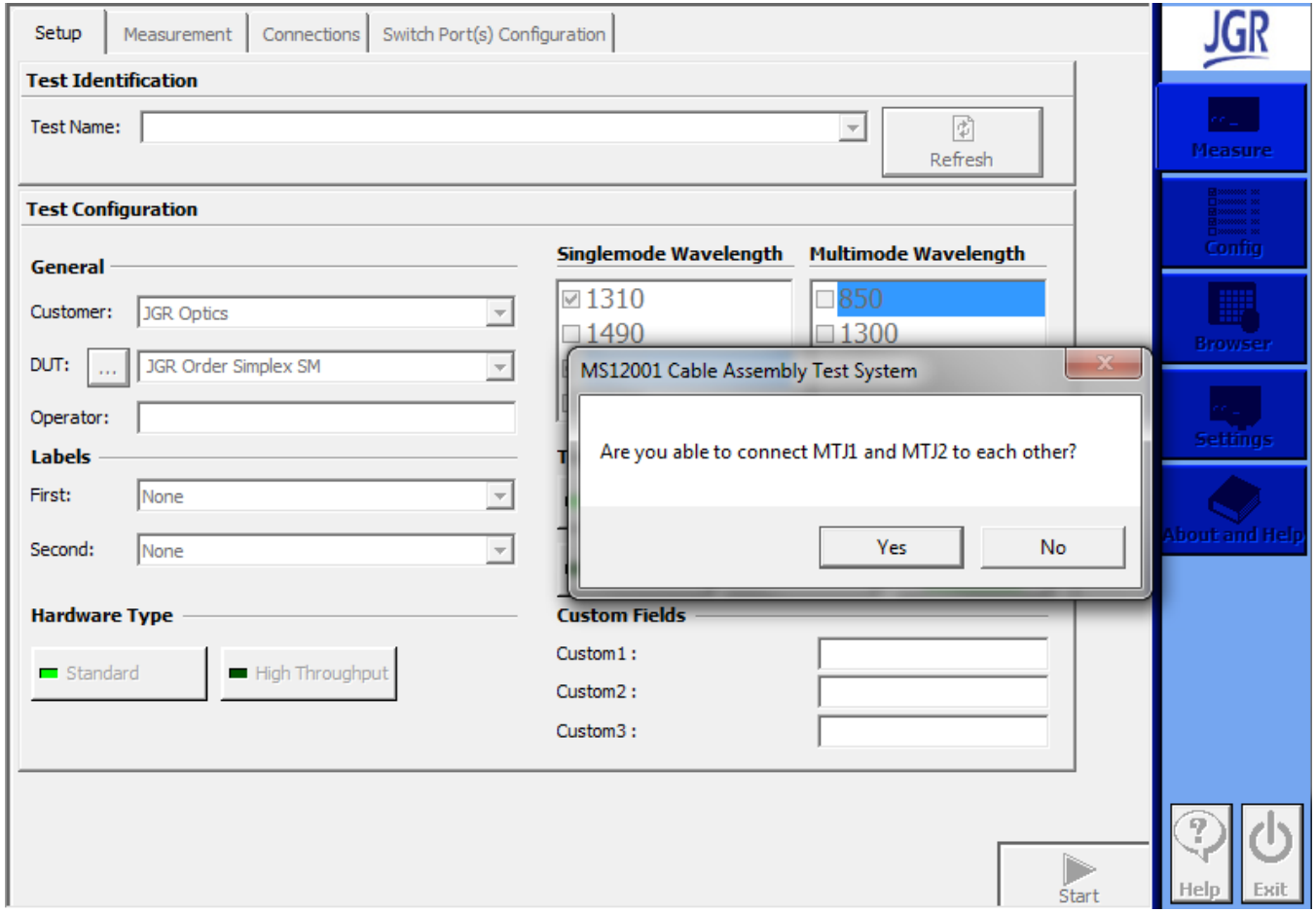
Different Test Types (Unidirectional)

- The next test type that will be explained is “Unidirectional”.



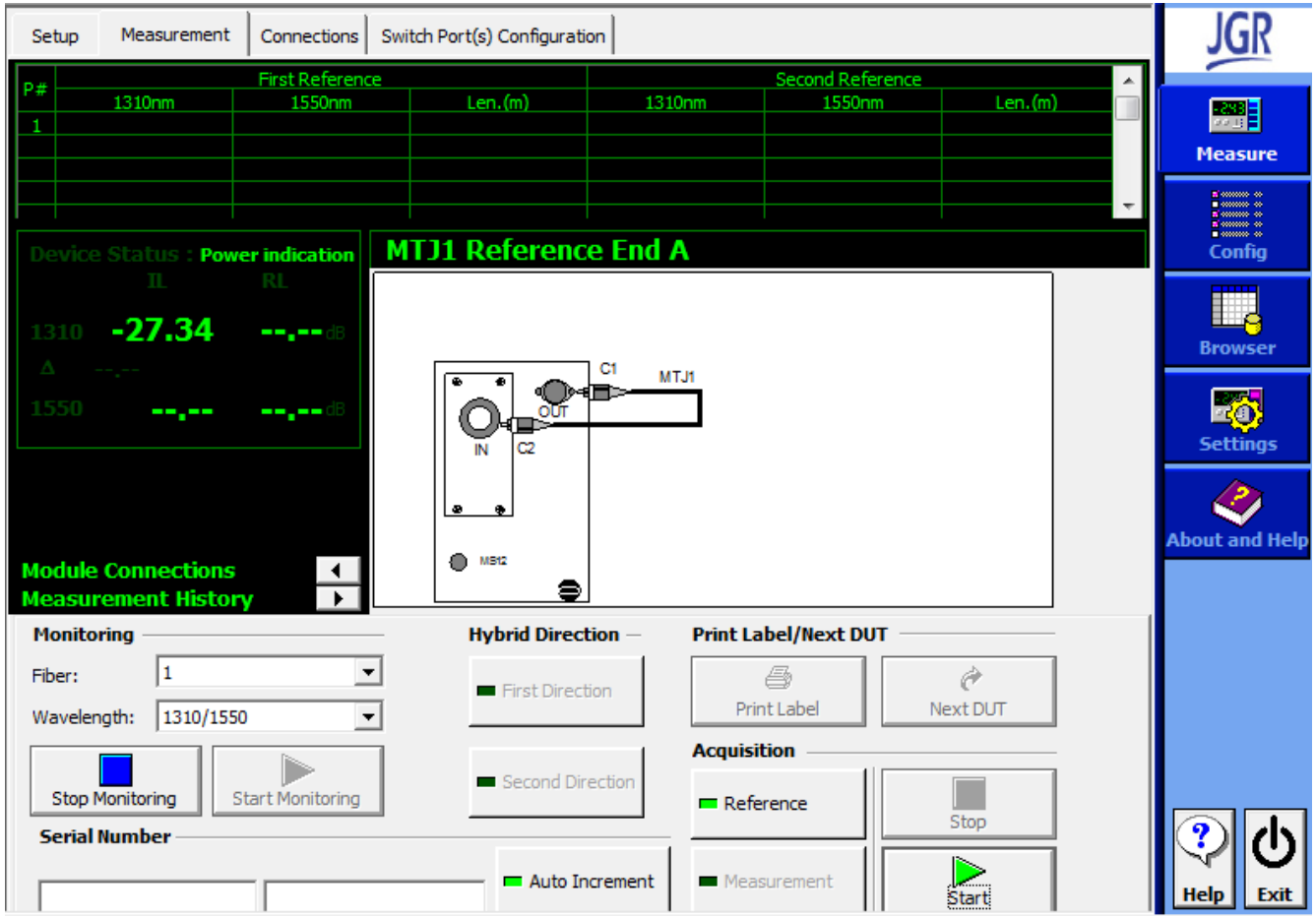
Different Test Types (Unidirectional)

- MS12001 will verify with the user that MTJ1 and MTJ2 (two Master Test Jumpers) can be connected together.



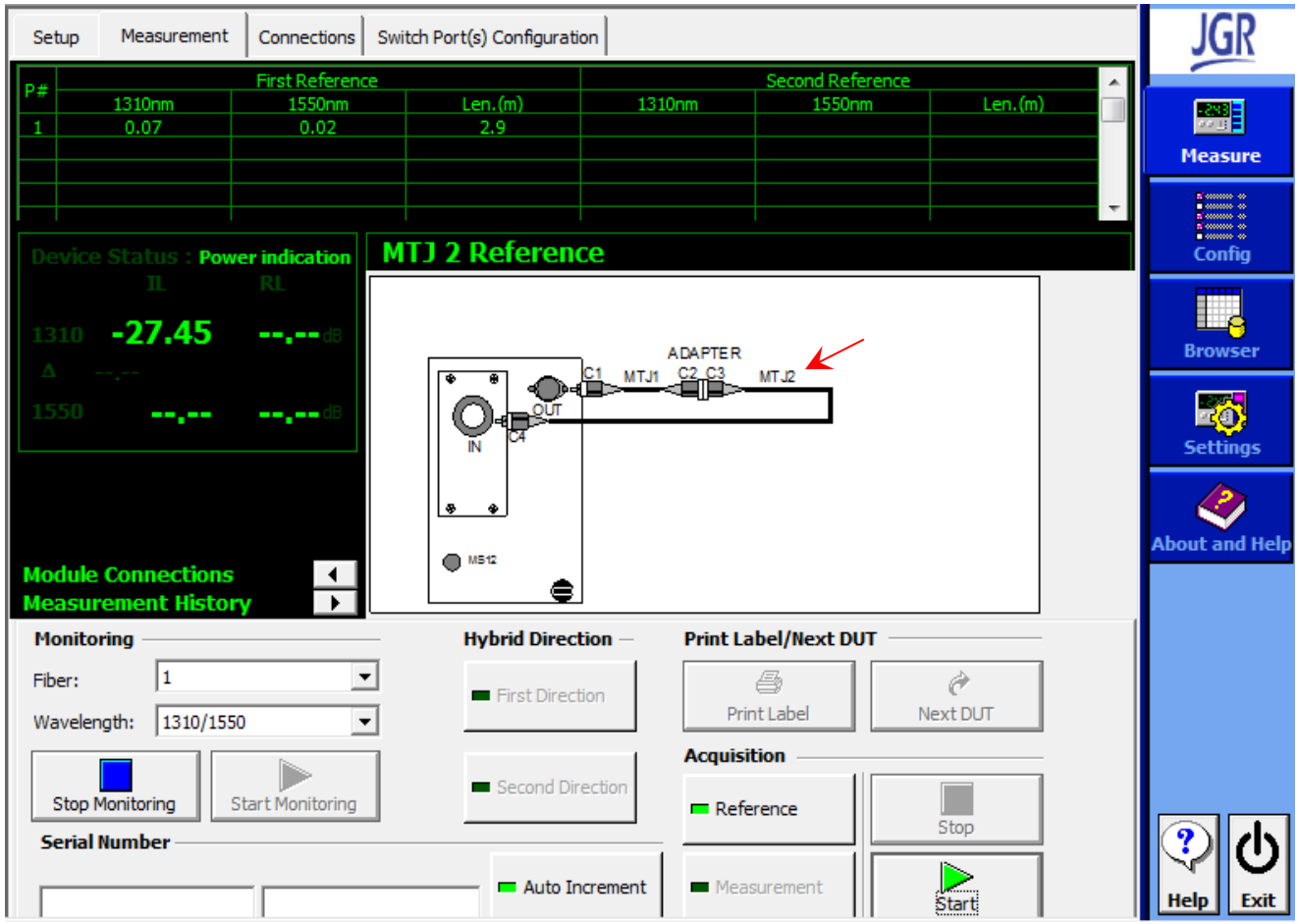
Different Test Types (Unidirectional)

- The figure below demonstrates MTJ1 being connected and referenced out.



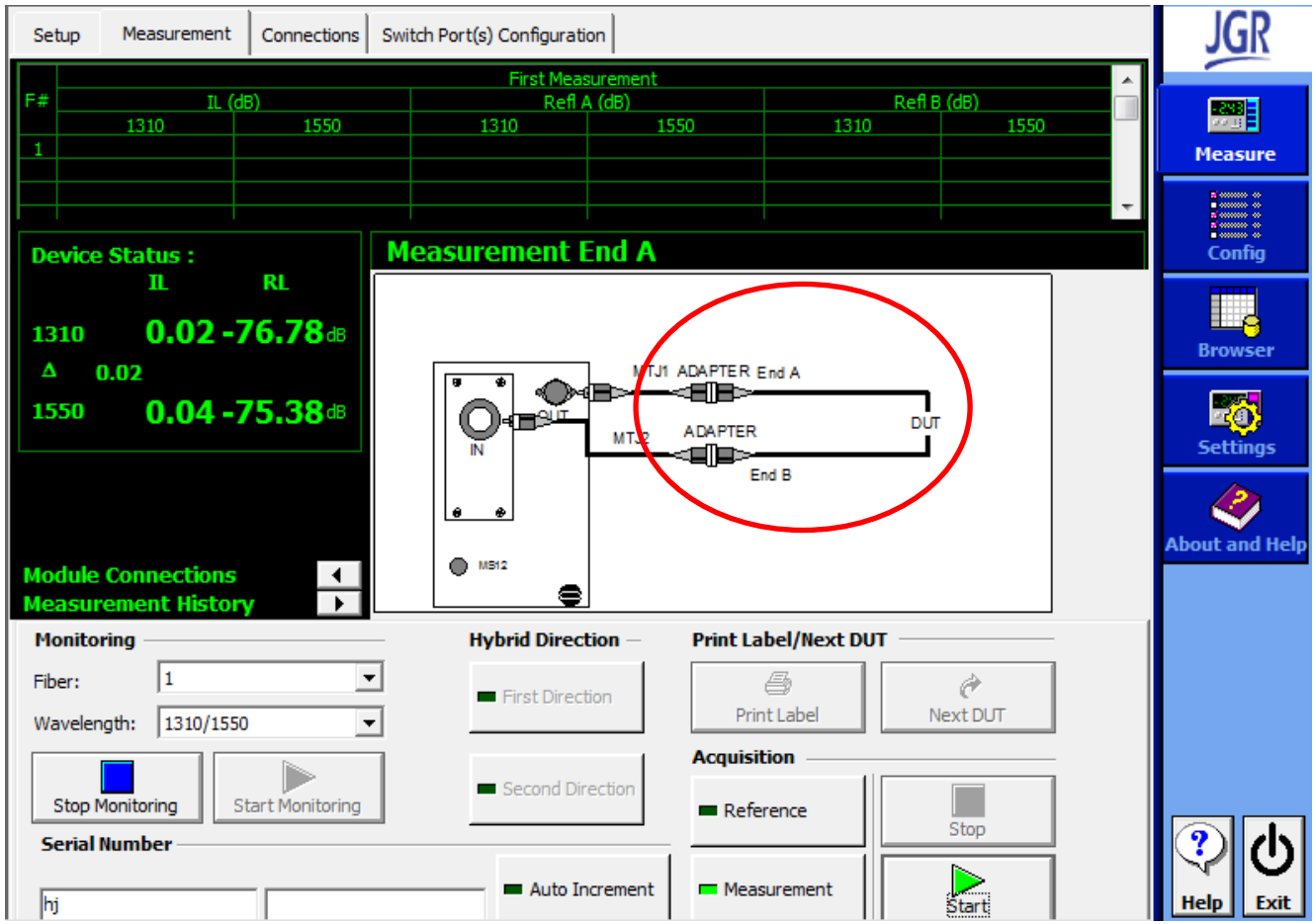
Different Test Types (Unidirectional)

- The figure below demonstrates MTJ1 connected to MTJ2, in order for MTJ2 to be referenced out.



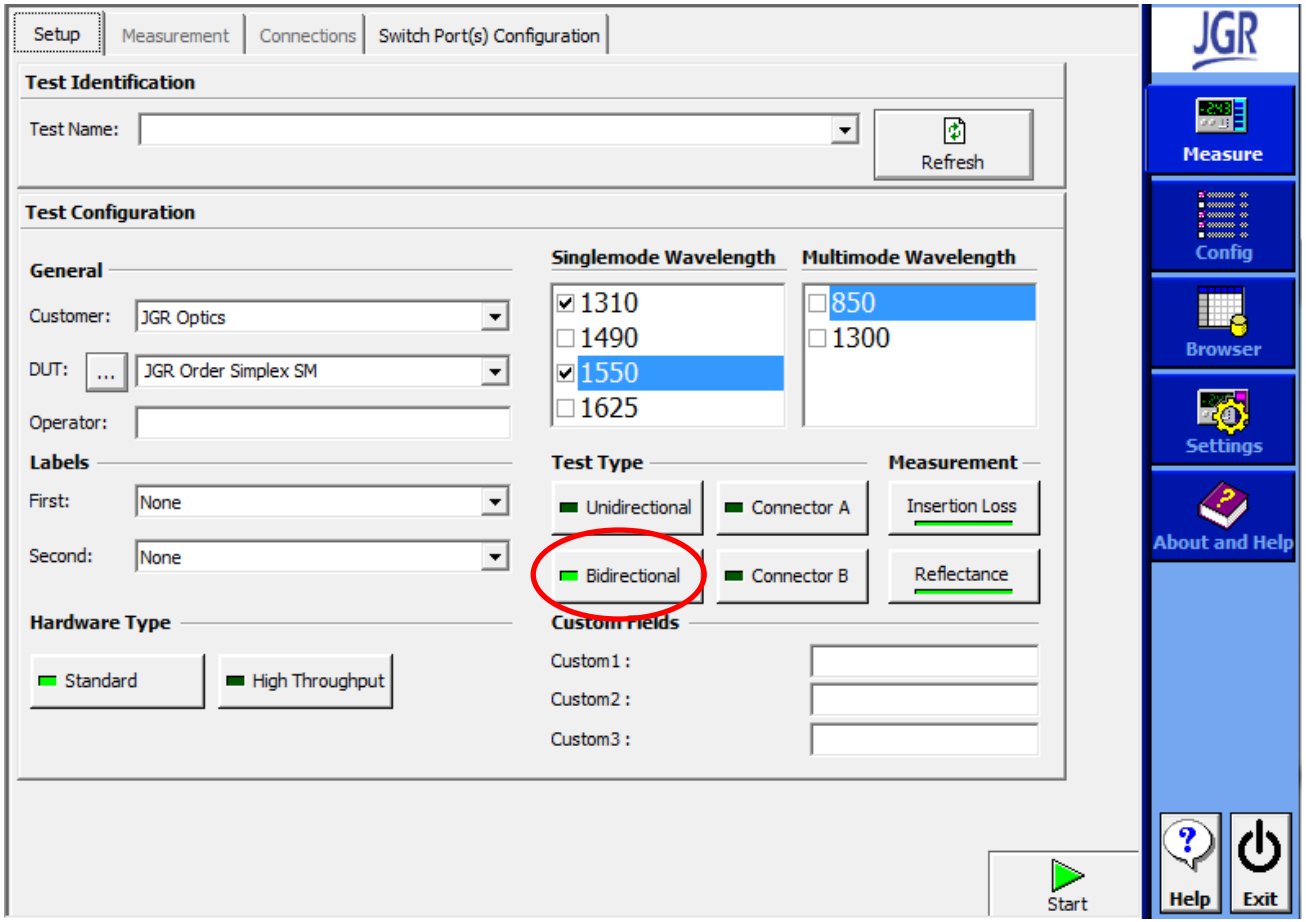
Different Test Types (Unidirectional)

The figure below demonstrates the connected DUT in between MTJ1 and MTJ2.



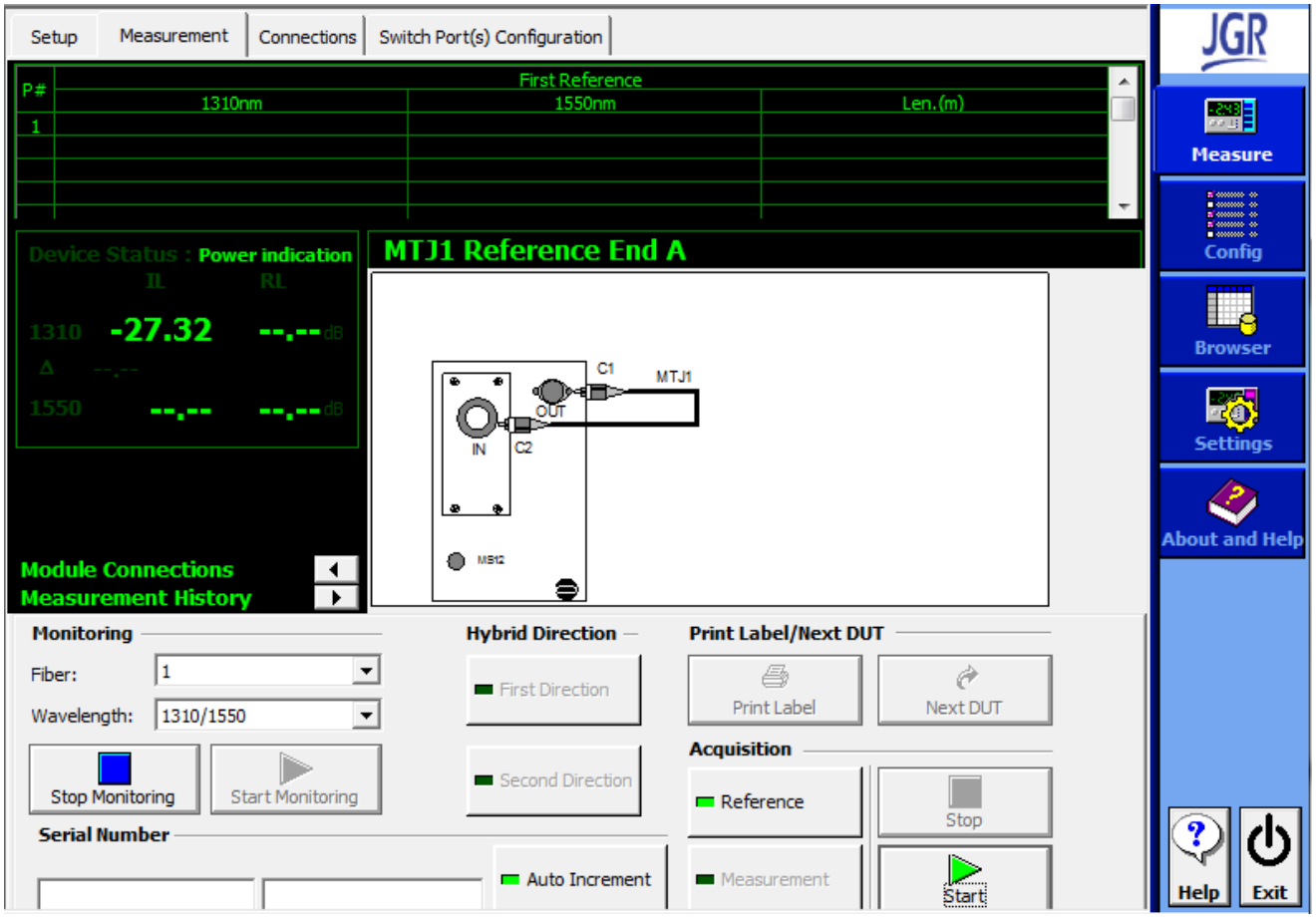
Different Test Types (Bidirectional)

- The next test type that will be explained is “Bidirectional”.



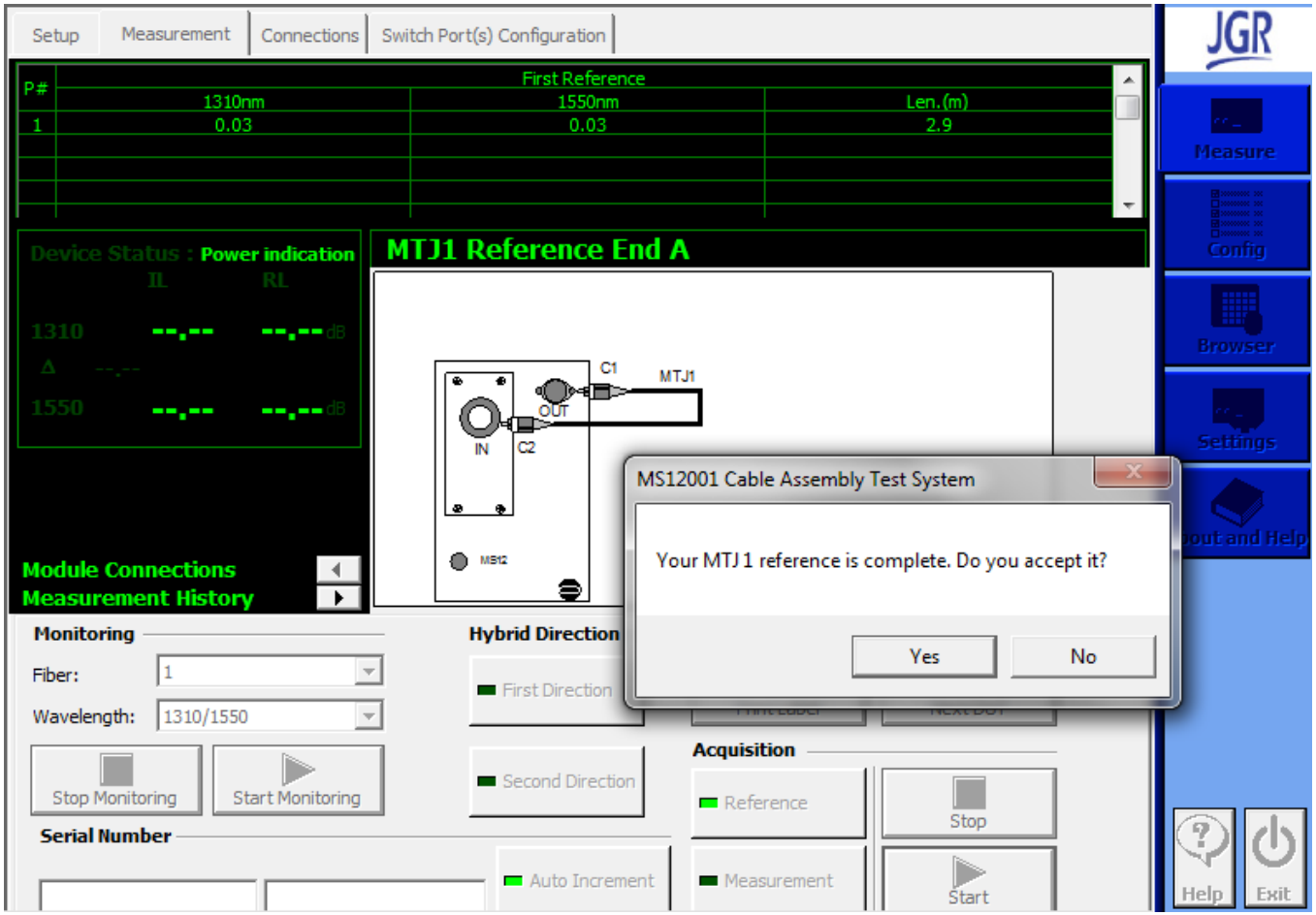
Different Test Types (Bidirectional)

- As with the Connector A and Connector B tests, only a reference for MTJ1 is taken.



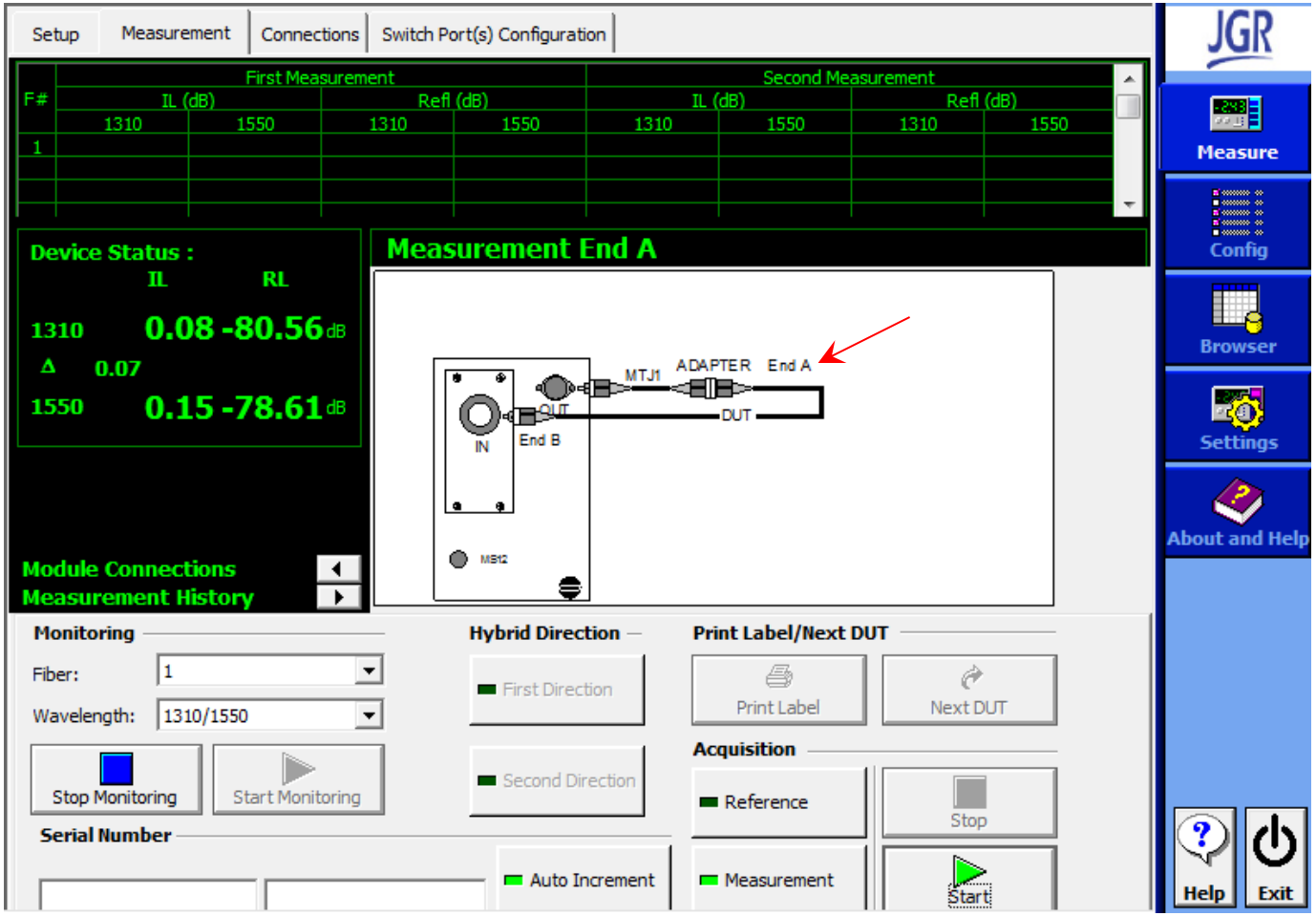
Different Test Types (Bidirectional)

- When the operator is satisfied with the reference, click “Yes”.



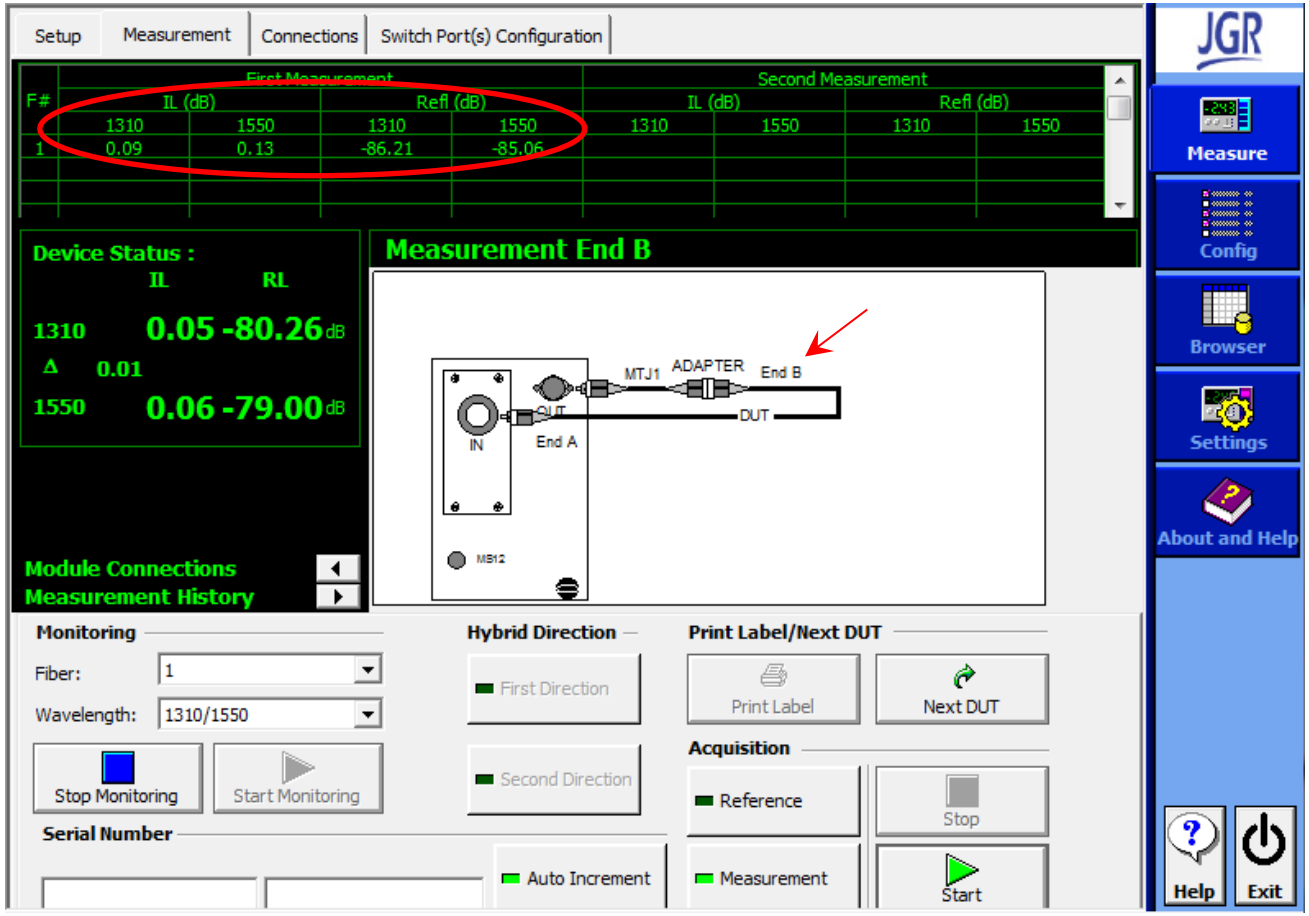
Different Test Types (Bidirectional)

- Connect the DUT with MTJ1 and End A connected.



Different Test Types (Bidirectional)

- Once the first measurement is taken, the DUT should be flipped to measure the connection between End B and MTJ1.



Different Test Types (Bidirectional)

- The Bidirectional Test Type is a combination of Connector A Test Type, and Connector B Test Type.