Four Wavelength Testing

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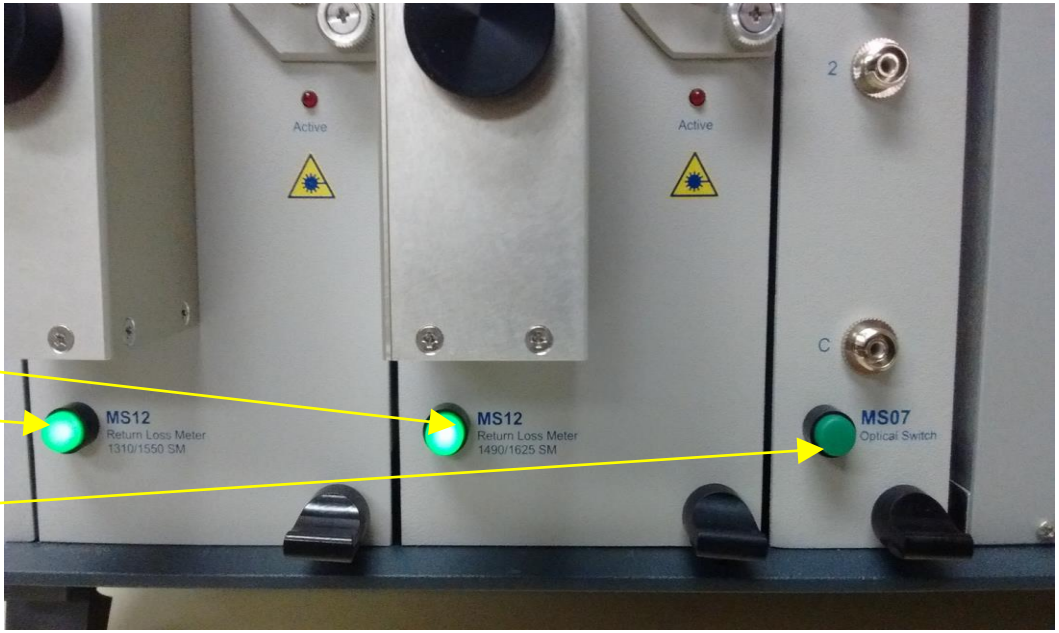
Required Components

Two MS12 Return Loss Meters:

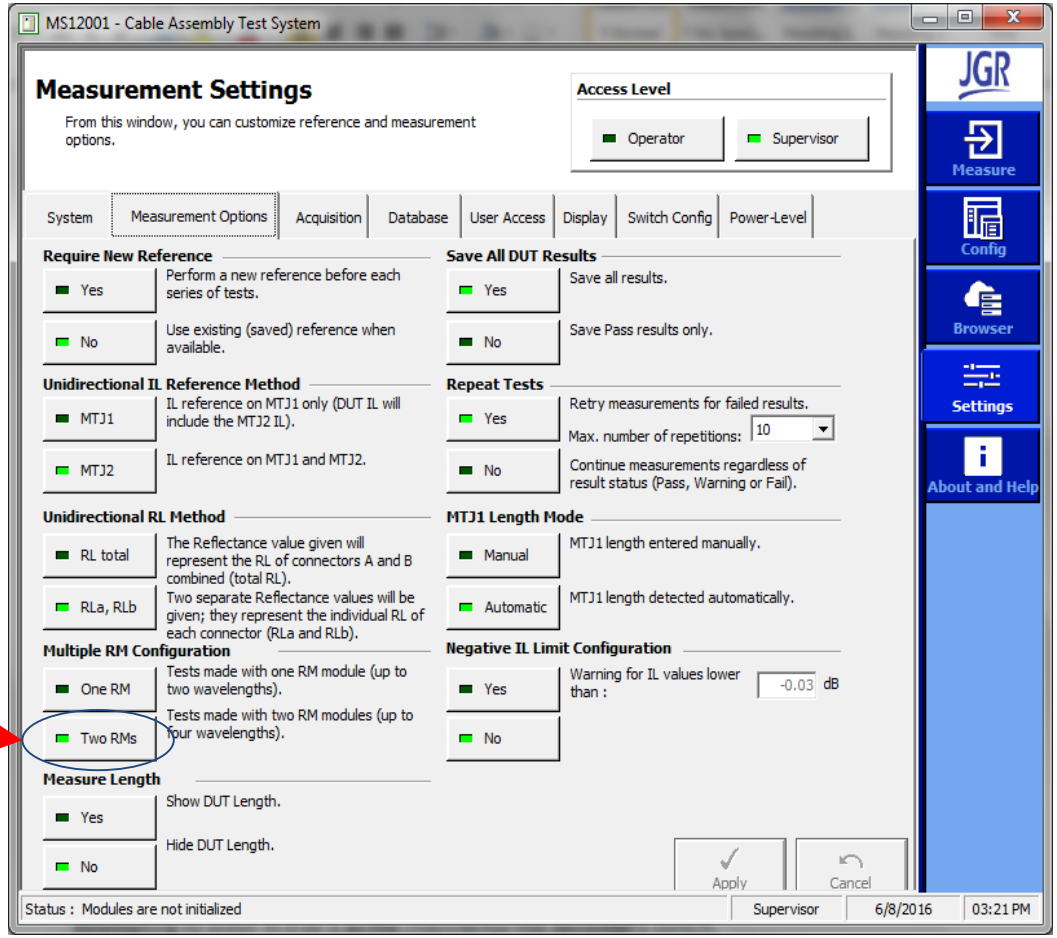
- MS12-0406
- MS12-3050

1x2 MS7 Optical Switch



Four Wavelength Testing

- Enter the settings menu and access the ‘Measurement Options’ tab.
- Under ‘Multiple RM Configuration’, select ‘Two RMs’ to enable testing with up to four wavelengths.



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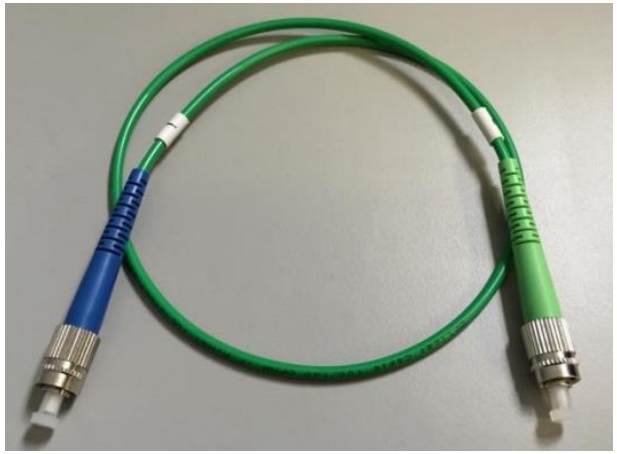
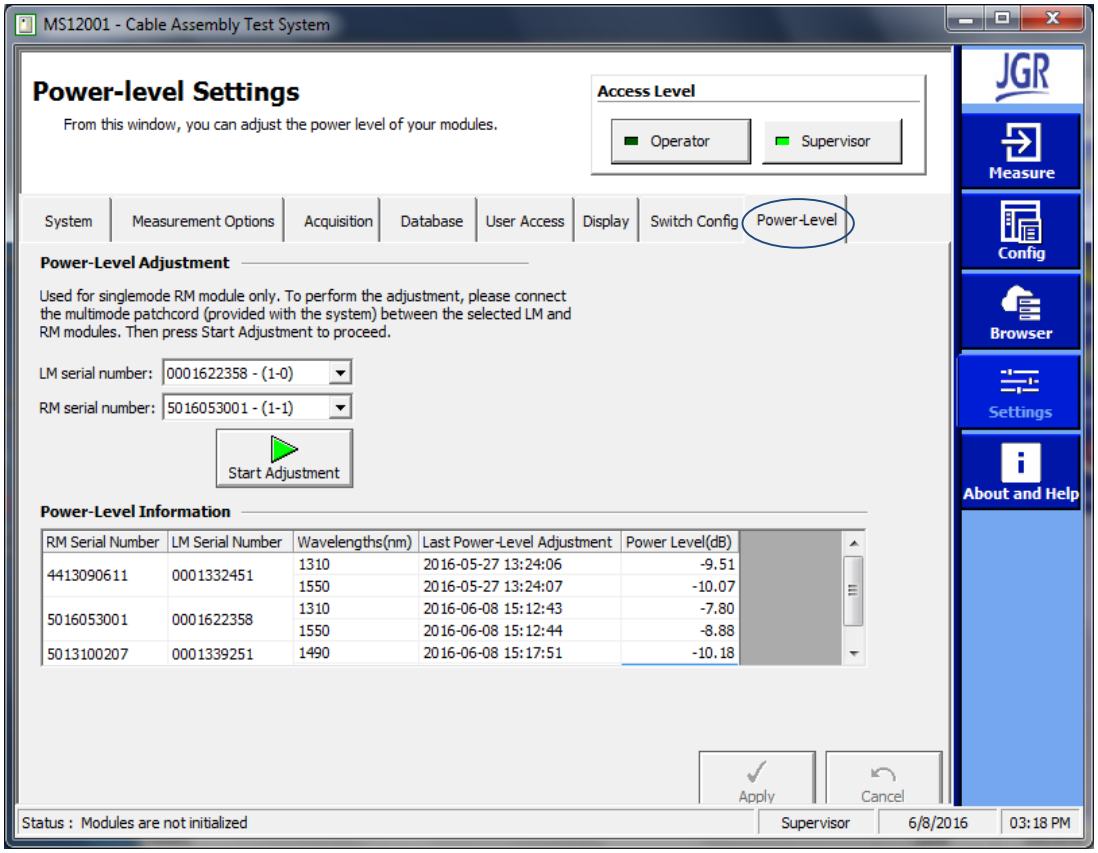
Switch to the ‘Power-Level’ tab to perform a power adjustment with a 100um patchcord.





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Complete a Power Level for the following four connections:

1. LM module (1-0) to RM module (1-1)

2. LM module (1-2) and RM module (1-1)

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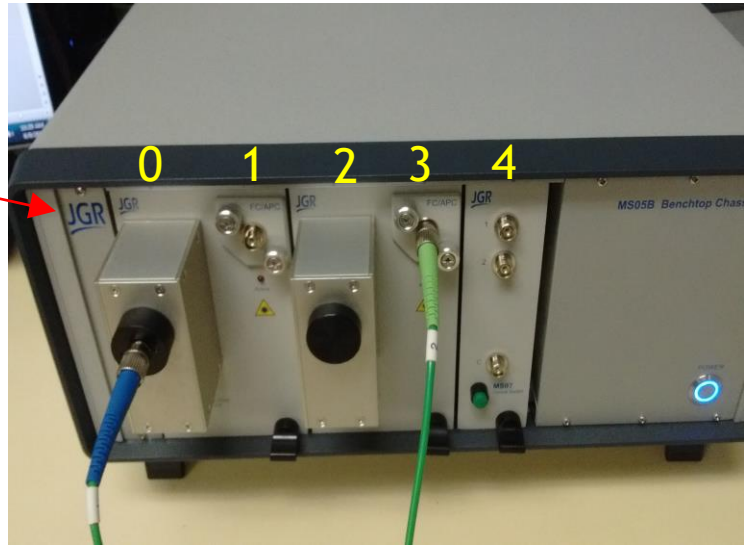
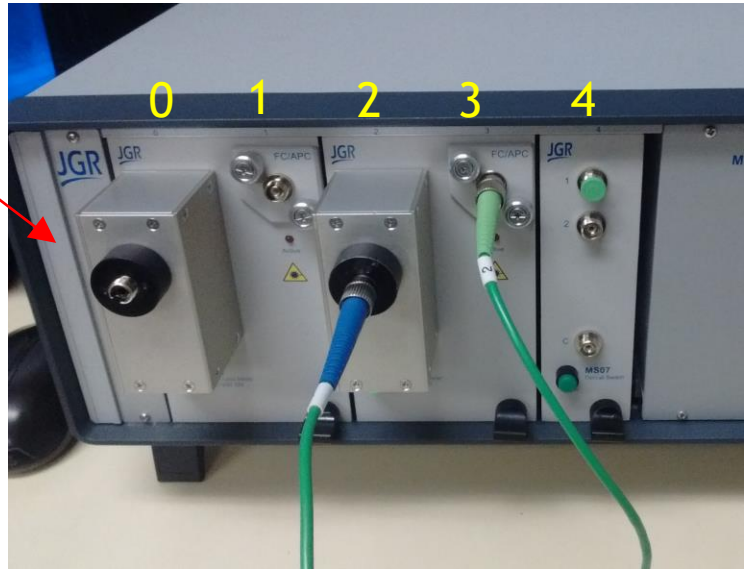
3. LM module (1-0) and RM module (1-3)



4. LM module (1-2) and RM module (1-3)



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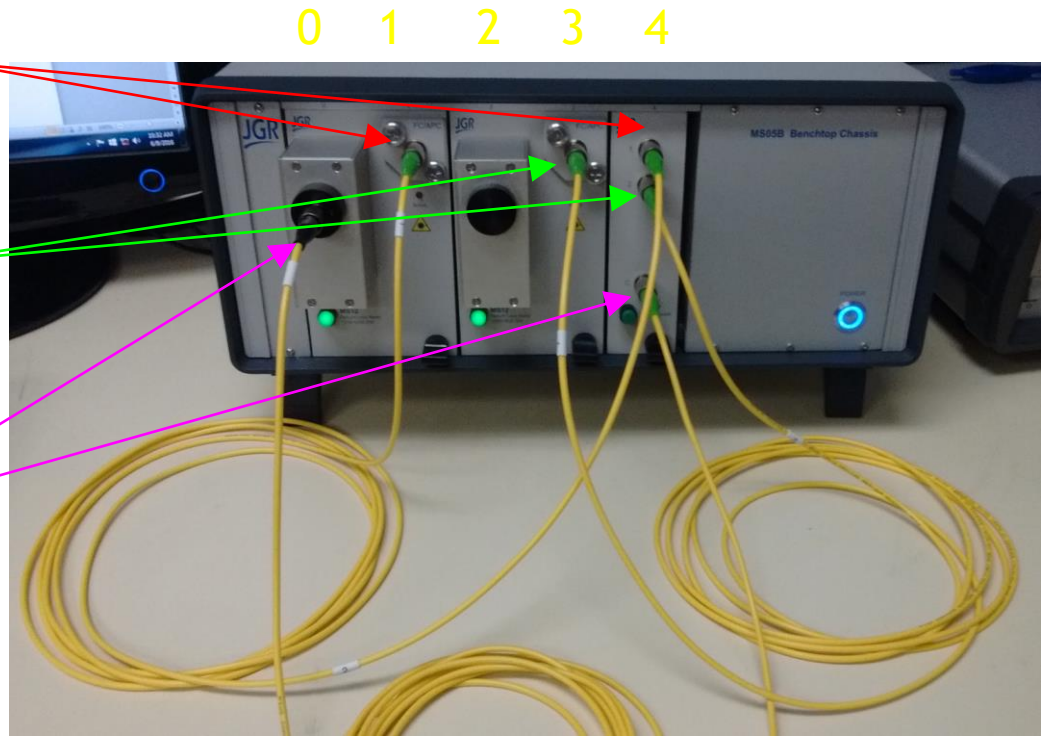
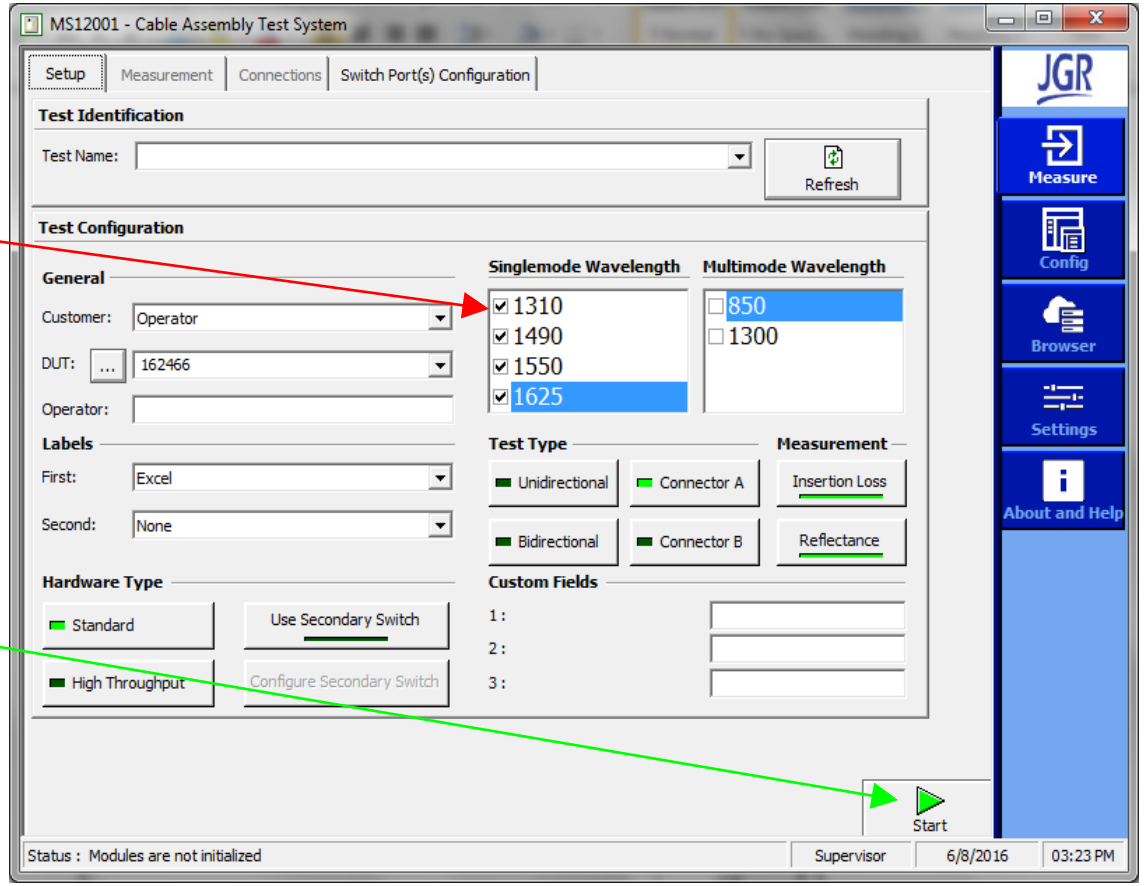
- Connect an FC/APC-FC/APC fiber from RM module (1-1) to channel 1 of the switch
- Connect an FC/APC-FC/APC fiber from RM module (1-3) to channel 2 of the switch
- Connect MTJ1 from the switch common to LM module (1-0)
- DUTs will be connected between the MTJ and LM module (1-0)

Note: The LM module (1-2) is not used.



Four Wavelength Testing

- Go to the ‘Measure’ menu and ‘Setup’ tab and select the four singlemode wavelengths.
- Select the appropriate test type and fill out any necessary fields before pressing ‘Start’ to begin the test.



Four Wavelength Testing

Take a reference with MTJ1 by following the instructions in the measurement window.