

## Tune-up Procedure

Step 1: Connect the BriteCell donor unit to the BriteCell remote unit using single mode fiber

Step 2: Connect power to both units.

Step 3: Input a TX test signal into the donor unit port (N-connector)

Step 4: Measure the output power at one of the remote unit ports. This signal will be +7dB gain from the donor. Increase the gain until the spurs are above -13dBm

Step 5: Input an RX test signal into the remote unit port.

Step 6: Measure the output power at the donor unit port (N-connector). This signal will be +17dB gain from the remote unit.

It is a good rule when working with the fibre optic components, to always have available the appropriate screw covers for closure of the optic connectors that are not connected. The intrinsic delicateness of an optic connection must be highlighted. A minimum layer of dust causes a notable increase of the insertion loss, therefore.

- *Always close the optic connectors that are not connected, with the appropriate screw covers.*
- *Always use compressed gas to remove any deposits in the receptacles before closing them.*
- *Use the appropriate cloths to clean the connectors.*
- *Do not allow the male connector to come into contact with skin or oily surfaces.*
- *Should it be necessary to clean the optic connector, only use pure alcohol.*