

## Turn-On Procedure

Verify all RF connectors are tightened and cables and antennas are secured. Connect AC/DC Adaptor on the bi-directional amplifier's DC IN connector. The Power indicator LED should be green. Make sure that no other LED is illuminated. If any other LED is lit, consult the trouble shooting page of this manual, or "2.6.2 Antenna Isolation and Alignment" section.

## Antenna Isolation and Alignment

USHR-800 is equipped with an over drive protection circuit. If the output power level of reverse path(=Up Link) exceeds prescribed limit, then reverse path is disconnected and the FAIL LED (RED) is on. Bi-directional amplifier automatically checks output power level every 1 minute of a 5 minute cycle when reverse path has over power . If reverse path still exceeds level then shut down mode continues for another 10 minutes. After 10 minutes, reverse path is switched on again and it checks output power level again. (Repeats the process)

## Antenna Alignment

If you are triggering the overdrive alarms at any point, try to increase the isolation between the antennas by relocating them. The indoor antenna should be placed physically as far away from the outdoor antenna as practical. If the geometry of the intended coverage area allows it, you should also try the indoor antenna in such way that interference between the antennas is at the minimum. If you are using directional antennas, try to find a location for the indoor antenna where it can cover the needed area and oriented back to back with respect to the outdoor antenna.