

Operational Description

Wideband Radio Heads (WRH) work as on-frequency amplifiers used to fill out uncovered areas in wireless mobile systems such as base station fringe areas, tunnels, business, convention centers, airports and industrial buildings. It receives, amplifies and transmits signals to/from a base station to/from mobile stations. The standard WRH is used for analog or digital systems, such as CDMA2000 and UMTS (WCDMA). It has a fiber optic donor port and an RF port for a service antenna (or RF cable) and is designed to be connected to a BTS via a BMU or OCM.

WRHs are microprocessor controlled with alarm and operational status LEDs visible on the front cover. Cooling is provided through convection heat dissipation. Operational parameters, such as gain, channel number and power levels are set using a PC running Powerwave OM-Online software which can communicate with the WRHs either locally or remotely via modem.