

miniRepeater Functional Description

The MRx18 is a bi-directional amplifier used to enhance signals between a mobile and a base station in a mobile network. It has been designed to increase signal strength in small and medium sized areas such as offices, shops, and basements. By boosting the signal level the MRx18 increases indoor coverage and allows high data rate connectivity.

If weak signal transmissions occur within the coverage area due to indoor applications, topological conditions or distance from the transmitter, a repeater is used to extend transmission range. In the downlink path, the repeater picks up the signals from a donor antenna of a BTS/ Node B, amplifies and re-transmits it into the required dark spot. In the uplink path the signal picks up the signals from a mobile/UE and re-transmits it to the BTS/Node B.