



The next big step in the Wireless industry will be the jump to WiMAX. Identified as wireless "metropolitan area networks," WiMAX can provide broadband wireless access with a coverage radius of up to 30 miles for fixed external cell sites, up to 10 miles for mobile stations. This is in sharp contrast to the lesser coverage of typical cellular frequencies. Additionally, WiMAX can provide "WiFi-like data rates" without significant interference issues. Furthermore, WiMAX will operate using both licensed and non-licensed frequency bands that will offer the best of both worlds by providing a regulated environment and viable economic model for wireless carriers. WiMAX can be used for wireless

networking in much the same way as the more common WiFi protocol. There are also architectures that combine technologies and are targeting the WiMAX portion of the system for the backhaul application.

Microlab is supporting the roll-out of these WiMAX networks with broad band filter diplexers, splitters, combiners and directional couplers that will enable system designers to build their infrastructures to be future-proof as new frequency enhancements are added to the existing network. Our attention to high-power, low loss, Superior PIM performance will help your network to perform at the highest level!