



# WaMAX

Broadband data transmission



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### Description of the system

WaMAX is a broadband platform for the cordless data transmission, being dissolving the company Nth, based on the IEEE 802.16d standard well-known to "Fixed WiMAX" or "Nomadic WiMAX" (Worldwide Interoperability for Microwave Access). These standards were created for the broadband, radio access on large areas, and thanks to the great bandwidth (even to 72 Mbit/s for the channel of 14 MHz in the FDD mode) is a very competitive technology for wired solutions. The competitiveness of the WiMAX technology, towards wired solutions, results from much smaller financial outlays on construction of the entire infrastructure. So it is perfect and cheap solution everywhere where big dispersing final recipients of telecommunication services is.

The WaMAX system in basic configuration point-to-multipoint consists of one base station (WBS-101) and a certain amount of client stations (WSS-101) installed in the field and communicate with the assigned base station. Wamax system can be upgraded to include additional base stations, along with their associated client stations.

# WaMAX

## Broadband data transmission

### Features of the system

- ≡ Support for the wide range of network services so as the data transmission, of the multimedia, or using the Voice over IP technology
- ≡ Bandwidth to 25 Mbps by the strip of 7 MHz.
- ≡ Possibility of acting in NLOS conditions (Non-lineof-sight)
- ≡ Conversion modulation guaranteeing the optimal quality of connecting in adverse conditions the behaviour
- ≡ Possibility of the remote supervision and the configuration of the management system with the help extended and intuitive
- ≡ Quality mechanism of Service guaranteeing the width required for the purposes of the chosen application of the transmission band the behaviour
- ≡ Available devices operating in strips of 3410-3800 MHz or 5875 - 5925 Mhz.
- ≡ Available widths of channels: 1.75 MHz, 3.5 MHz, 5 MHz, 7 MHz and 10 MHz.
- ≡ Network interface 10 Base-T/ 100 Base-TX.
- ≡ The WWW remote management and the straight management konsolowe through the protocol Telnet
- ≡ Possibility of the remote update firmware both of base station as well as client

