



POLMAX : Intelligent Antennas for WiMAX



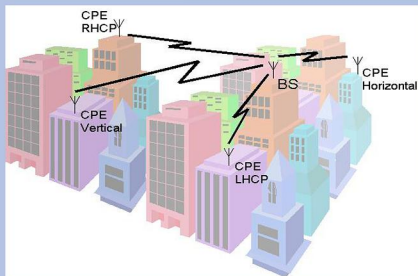
Interference in WiMAX is a big issue. Using conventional antenna systems a cell is divided into sectors in order to reduce the interference. Change in polarization of the antennas has also been suggested which also reduces interference. But conventional antennas require careful manual orientation at the customer side in order to get the maximum amount of signal from base station. Using POLMAX antennas we can generate many polarizations and without any need for manual antenna orientation at the customer premises thus giving us the more weapon to defeat the threat of interference.

POLMAX Features

- Digital control: able to generate any polarization state
- Automatic polarization recognition
- Single antenna structure used to generate multiple polarizations
- Add on equipment: can used with any standard equipment
- No need of manual antenna orientation

POLMAX Applications

- WiMAX antennas to offer minimum intercell interference and maximum capacity
- Able to select least interference polarization automatically
- Suitable for congested frequency bands
- Eliminates track roll out, saves cost



Contact

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