

Mobile and Fixed Wireless Access for Broadband Applications

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Abstract: The business case for WiMAX vs DSL in rural areas

Operators are considering BBFWA technologies such as WiMAX as a more cost-effective solution for delivering IP-based services in low-density subscriber areas. We present a quick and easy model which compares the economics of WiMAX and DSL for the provision of voice, Internet and video services in rural areas. The model effects a basic WiMAX/DSL comparison and then measures the impact of possibly limited reach with DSL.

The model is implemented using the Analysys STE_M® business-modelling software for networks, which handles the structure and execution of the calculations, and offers a graphical user interface for rapid and team-oriented editing of the model structure and assumptions.

The underlying model structure can be established within an hour, and generates revenue, capex and opex results which can be readily compared across the various scenarios defined.