WiMAX*1, the new broadband wireless technology, is divided into two major service figures in Japan. One is Nationwide WiMAX service, which is operated by UQ Communications and the other one is Regional WiMAX*2 service, which is operated by license-awarded regional organizations such as cable-TV providers or local government units.

Fujikura has been conducting demonstration experiments for regional WiMAX system and assisting its practical use for municipality since 2007.

Our challenge and contribution have achieved recognition among regional cable-TV providers. As a consequence, Fujikura has taken on base station construction and completed the construction of more than 30 base stations till early 2009. Construction of other base stations will be planned in the coming years.

A wide variety of products and solutions, such as base station, terminal equipment, designing and measuring support tools, are ready to be introduced in alliance with Huwaei Technologies Co., Ltd in China, KT Corporation in Korea, and so on. Fujikura will also step up application field which specialized for vitalization of municipality in the years ahead.

*1: Worldwide Interoperability for Microwave Access: The technology is based on the IEEE802.16 standard. The name “WiMAX” was created by the WiMAX Forum*3. 2.5 GHz frequency band is allocated for WiMAX in Japan.

*2: WiMAX licensure at the municipal level. The service is usually operated by regional cable-TV providers or local government units. On the other hand, UQ Communications and Willcom are authorized operators for nation-wide service.

*3: The WiMAX Forum is a non-profit organization formed to promote the adoption of WiMAX compatible products and services.