

## **FCC ID: O2J-235AS Operational Description V2**

A Base station radio, Airsynergy, is part of a WiMAX broadband fixed cellular wireless access system.

The system provides a radio link between an end-user (a subscriber) and a network to give high-speed data access. The Airsynergy transceiver/receiver (Up to 64 QAM modulation) uses OFDMA and operating in TDD duplexing mode, equipped with an external antenna.

The maximum RF output power at each of the antenna ports is 30dBm and it can be reduced by software.

The Airsynergy transmitter has two TX channels for MIMO operation mode.

The unit is installed outdoors and typically is mounted on a pole and provides subscribers with "always-on" Internet, high speed data only, or data and voice (VoIP) services and is configured with a unique base station reference number, preventing the Subscriber from relocating to another subscriber premises without authorization.