

FCC ID: O2J-495AS Operational Description

Airsynergy is part of Airspan's broadband fixed cellular wireless access system.

The system provides a radio link between a Base and a Terminal to give high-speed data access.

The Airsynergy WiMAX transceiver operates in OFDMA mode with the following characteristics:

Frequency range:	4940-4990 MHz (band edges)
Duplex mode:	TDD
Channel BW:	10MHz
Max Output Power:	2 x +27dBm (27dBm per port, MIMO mode)
Modulation rates	BPSK, QPSK, 16QAM, 64QAM, 256QAM

The maximum RF output power at each of the antenna ports is 27dBm and it can be reduced by software.

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.