

Permissive change description

FCC ID: LKT-VL-IF

The BreezeACCESS VL radio is based on the Atheros chip set (AR5112 - ROC and AR5212 - MAC). The permissive change is a modification of the outdoor unit metal enclosure (ODU box) and the layout to fit this new box. The significant changes are:

1. New metal enclosure (weight reduction, cost reduction).
2. New layout (changed dimensions to fit the new box):
 - repositioning of connectors, bar-graph display and LED indicators;
 - repositioning of power supply area on the board.
3. New configuration of the VVA to obtain better accuracy.
4. New integral antenna.

Basic frequency determining and stabilizing circuitry (including clock or data rates), frequency multiplication stages, basic modulator circuit, up- and down-converting circuits as well as spurious radiation suppression filters have not been changed.

BreezeACCESS VL 5.8GHz is a high capacity, IP services oriented Broadband Wireless Access system.

BA VL 5.8GHz is a digital modulated TDD system operating in the 5725MHz up to 5850MHz band.

The system is operating with software selectable bandwidth of 10MHz, 20MHz, and 40MHz.

The system contains a base station unit and a subscriber unit. The base station and subscriber radio are identical.

The basic system configuration is a two-box configuration that contains:

1. Indoor unit that contains a power supply and an Ethernet 10/100BaseT (RJ 45) interface.
2. Outdoor unit containing the entire radio and digital section.
3. A single CAT5 cable connecting the indoor and outdoor unit serves for carrying the data as well as for transferring power, management and control signals.