TRANZEO
EMC LABS INC

Operational Description

FCCID: QRF-CU901GZ0

900 MHz Wireless Network Adapter

Tranzeo Wireless Technologies Inc.

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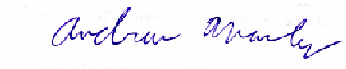
Labs: 19473 Fraser Way, Pitt Meadows, BC, Canada V3Y 2V4



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Operational Description

The device is a wireless network bridge designed specifically for outdoor/indoor applications. The device provides a bridge between IEEE802.3 wired Ethernet LANs and IEEE 802.11b/g compliant wireless networks. It uses an external antenna coupled with an 802.11b/g transceiver to connect to remote wireless clients. The transceiver operates in the frequency band 902-928 MHz. The device transmits digital network data. The unit is mounted in fixed point-to-point installations. It is mounted on the exterior/interior of a building typically for broadband internet access.

The type of RF modulation is DSSS and OFDM both used at 900 MHz. The device can transmit data at a bit rate of 11 Mbps in DSSS mode and 54 Mbps in OFDM mode or a real-world data rate of approximately 6 and 24 Mbps respectively. A 128 bits Wired Equivalent Protection (WEP) algorithm is used for secure communications. The device's standard compliance ensures that it can communicate with any 802.11b/g network.

The firmware used with the device prevents the use of channels outside the specified frequency bands.

The product is used exclusively in a professionally installed, fixed point-to-point environment.