TRANZEO
EMC LABS INC

Operational Description

FCCID: QRF-XBYPZ11

2.4/5.8 GHz Outdoor Access Point
Tranzeo Wireless Technologies Inc.

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

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A.1 Operational Description

The device is a wireless outdoor access point designed specifically for wireless networks. The device has an access point radio for 802.11 a/b/g client devices. It uses external antenna. The transceivers operate in the frequency bands 2400-2483.5 and 5725-5850 MHz. The device transmits digital network data. The unit is mounted in fixed point-to-multipoint installations. The device can be used to create either a stand alone or an internet extension network.

The type of RF modulation is DSSS and OFDM. Both DSSS and OFDM are used at 2.4 GHz while at 5.8 GHz only OFDM is used. 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 4 and 27 Mbps respectively. A 128 bits Wired Equivalent Privacy (WEP) algorithm is used for secure communications. The device's standard compliance ensures that it can communicate with any 802.11a/b/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-mutipoint environment.