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FCC Laboratory  
7435 Oakland Mills Road  
Columbia MD 20146  
Attention: Applications Examiner

3 Sept 2010

Re: Request for confidentiality pursuant to Sections 0.457(d)(1)(ii) and 0.459 of the Commission's Rules

Applicant: PureWave Networks  
Equipment: Part 90Z Restricted Contention Protocol 3.650- 3.675 GHz Base Station  
FCC ID: XN3-QUANTUM6636  
IC: 8974A-QUANTUM6636  
Model No.: Quantum 6636

To whom it may concern,

PureWave Networks requests that the following documents be kept from public view indefinitely:

Schematics  
Block Diagram  
Theory of Operations  
Internal photographs

Justification for requesting confidentiality for internal photographs:

The product is a non-consumer WiMAX base station transmitter that is installed on top of poles, in fenced-in areas of rooftops and in other locations not accessible to anyone but authorized installation and repair personnel. Access is made difficult both for security purposes and for RF safety considerations.

The internal photographs for a microwave transmitter yield a lot of design information to a prospective competitor that would otherwise not be accessible. The schematics and block diagrams are routinely kept confidential, but the internal photographs show IC numbers and part numbers which tell a great deal about the reference designs that are used, making it easier to reverse engineer the design. The photographs also reveal critical information regarding interconnection of subsystems (by following PCB traces shown in the photos). Finally, the photos show how the circuits are packaged and fit into the housing, which can be a challenge for the correct operation of microwave circuits.

These documents contain detailed system and equipment description and related information about the product that PureWave Networks considers to be proprietary, confidential, and a custom design and, otherwise, would not release to the general public. Since this design is a basis from which future technological products will evolve, PureWave Networks considers that this information would be of benefit to its competitors, and that disclosure of the information in these documents would give  
Internal photographs

If you have questions or need further information, please contact the undersigned.

Sincerely,

*T.N. Cokenias*

T.N. Cokenias  
Agent for PureWave Networks