



Mercury Networks, LLC.  
1100 Walnut St, Suite 2050  
Kansas City, Missouri 64106

Date: September 30, 2020

**Federal Communications Commission**

Equipment Authorization Branch  
7435 Oakland Mills Road  
Columbia, MD 21046  
FCC ID: XN3-QUANTUM 6636

**Subject: Request for Confidentiality**

To whom it may concern:

Long Term Confidentiality

Pursuant to Sections 0.457 and 0.459 of the Commission's Rules, we hereby respectfully request confidential treatment of information accompanying this application as outlined below:

- Block Diagrams
- Schematics
- Operational Description
- Internal Pictures
- Part List
- Tune-up Info

Short Term Confidentiality

Pursuant to Sections 0.457 and 0.459 of the Commission's Rules, we hereby respectfully request short-term confidential treatment of information accompanying this application as outlined below until 180 days after the Grant Date of the Equipment Authorization in order to ensure sensitive business information remains confidential until the actual marketing of the device.

- User Manuals

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 Mercury Networks considers to be proprietary, confidential, and a custom design and, otherwise, would not release to the public. Since this design is a basis from which future technological products may evolve, Mercury Networks considers that this information would be of benefit to its competitors, and that disclosure of the information in these documents would give Internal photograph.




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

Sincerely,

Applicant's company name : Mercury Networks, LLC.  
Applicant's company address : 1100 Main St. Suite 2050, Kansas City, MO 64106, USA

Signature :   
: Matthew Sams / Chief of Staff  
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