



February 26, 2024

Te Conectamos LLC dba Tekwerks Internet
Response to request for information by FCC regarding application for Experimental
License application

The following are responses to the requested information:

- 1- Description of operation: Tekwerks Internet is an independent ISP providing last-mile internet service through wireless transmission in a dense urban environment. In the FCC's recent 6 GHz Report & Order, the Commission designated additional spectrum for unlicensed operations, envisioning its use for "new innovative technologies and services that will advance the Commission's goal of making broadband connectivity available to all Americans, especially those in rural and underserved areas." Unlicensed Use of the 6 GHz Band, 35 FCC Rcd 3852, 3853 (2020). Through this application for an experimental license, Tekwerks Internet seeks to advance these goals by testing available equipment across the UNII-5 band for potential delivery of enhanced fixed wireless broadband services to targeted underserved areas in a dense urban environment. The experimental operations will involve field deployment and testing of Cambium Networks 6 GHz radio technology on One tower identified in our application. These operations will evaluate the greater throughput capabilities available in these bands using 80/160 MHz channels. The program will also use up to 10 remote units at selected customer locations. Tekwerks Internet data collection program will operate without causing harmful interference to incumbent users. Tekwerks Internet will work with any nearby licensed incumbents that it identifies, based on information provided in the FCC's databases, to ensure that its operations will avoid any harmful impact on such existing users.
- 2- Stop buzzer: Tom Ross: (cell) 818-833-7146 Avail: 24/7
- 3- Antenna gain (dBi) for the proposed 1 fixed ePMP 4600; which will be used as outdoor standard power access points (AFC Controlled) and mounted on a fixed tower. Proposed Antenna is cambium part# C060940D301A. Gain is 18dbi. Data Sheet attached as exhibit.
- 4- Antenna gain (dBi) for the proposed 10 fixed antennas ePMP Force 4625 (CPE); Proposed Antenna will be Cambium Part#C060900D021A. Data Sheet attached as exhibit.
- 5- Operation in the 6.425-6.525 GHz (U-NII 6) and 6.875-7.125 GHz (U-NII 8) have been removed on the application form.



Tekwerks Contact and Legal Information:

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Project Director & Authorizing Signatory:

Tom D. Ross is the specified authorizing manager for this project and its related issues. Please direct all correspondence questions and inquiries to him using the information provided.

Presented by:

A handwritten signature in black ink, appearing to read 'Tom Ross', with a stylized flourish at the end.

Tom Ross, CEO