



Application Exhibit

By this application, Applied Information, Inc. (“Applied Information”) seeks experimental authority to continue operating certain modular Cellular-V2X (C-V2X) prototypes for purposes of testing, development, and evaluation. The Commission previously granted Applied Information experimental special temporary authority (“STA”) for such operations in the vicinity of the Infrastructure Automotive Technology Laboratory (iATL), 11345 Haynes Bridge Road, Alpharetta, Georgia 30009.¹ As provided under Section 5.61(c) of the Commission’s rules, this application is intended to serve as an extension of the above-referenced STA.² The extension is necessary to accommodate continued automotive industry interest in Applied Information’s C-V2X testing ecosystem.

The iATL

The iATL is an engineering technical facility for testing connected vehicle applications’ functionality and performance. This facility was established to encourage innovators to test connected vehicle technology in a real streetscape setting featuring real-world interferences and obstructions.

The proposed testing area—which includes the iATL and its surrounding area—provides a diverse range of topography, flora, seasonal weather, construction and other potential interferences to radio communications. C-V2X radios are placed throughout this area to test, develop, and evaluate connected car communications, transportation infrastructure communications, and chip prototypes in real-world scenarios.

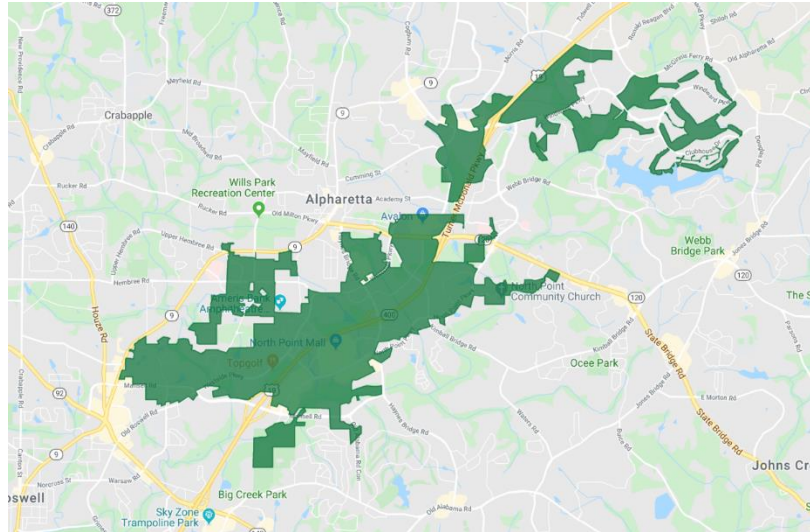
Under these testing conditions, Applied Information owns and operates the C-V2X equipment. At the end of the testing period, the equipment will either be retrieved, rendered inoperable or labeled in accordance with the Commission’s rules should any final rules for C-V2X go into effect during the license period.

¹ See Call Sign WP9XUA, File No. 2196-EX-ST-2019 (granting special temporary authority for C-V2X operations through May 21, 2020).

² 47 C.F.R. § 5.61(c).

Test Locations

Testing will occur only in the North Fulton Community Improvement District (“NFCID”). This is approximately a 5-mile radius around the i-ATL. The NFCID boundaries are outlined in the image below.



Minimizing Interference

Applied Information and the iATL understands that the proposed experiment under Part 5 of the Commission’s rules must avoid causing interference to licensed operations.