

Persistent Systems, LLC
Form 405 Experimental License Renewal Application
File No. 0016-EX-CR-2023
WJ2XWQ

NARRATIVE JUSTIFICATION FOR LICENSE RENEWAL

Persistent Systems, LLC, a Limited Liability Company based in New York City, and an American manufacturer of high speed, secure data networking equipment for both military/defense and industrial, non-government applications, respectfully requests renewal of WJ2XWQ. Principally, Persistent manufactures scalable mobile networking systems based on Wave Relay MANET (Mobile Ad Hoc Networking) Technology. Persistent's products permit voice, video, and situational awareness to mobile users with no reliance on fixed infrastructure. For more than a decade, Persistent has been a pioneer in developing advanced MANET technology and commercializing it in the Defense and Industrial sectors.

Persistent has in the past utilized Experimental License grants, including WJ2XWQ at Pinehurst, NC for research and development and testing of its products in different environments. The ongoing R&D activities to develop MANET products for Army and Navy deployment, however, necessitate longer and more ongoing periods of testing and deployment in the area near Pinehurst, NC. This is entirely terrestrial operation and will continue to be conducted with respect to radio modules in the bands 2200-2290 MHz and 4400-4800 MHz which will be for MANET systems and component products for military deployment only. Frequency changes can be conducted remotely should the need to do so arise.

With respect to R&D proof of concept testing in the Pinehurst broadcast auxiliary market, for use and adaptation of the technology for video relay and broadcast auxiliary/video production purposes in the 2025-2110 MHz band, all operation has been and will continue to be coordinated in advance with the Society of Broadcast Engineers' frequency coordinators and with the Department of Defense (which is sharing with BAS/CARS/LTTS licensees in that band).

The stop buzzer contact for this operation remains Mr. Matthew Buehler of Persistent Systems, LLC at 347-470-5226. His e-mail address is mbuehler@persistentsystems.com.