

Persistent Systems, LLC
Request for Grant of Special Temporary Authority
File No. 0267-EX-ST-2023

NARRATIVE EXPLANATION OF OPERATION

Persistent Systems, LLC requests a grant of special temporary authorization for terrestrial research and development and testing of a portable data link integrated network (MPU5) wave relay incorporating up to 35 mobile transmitters on two discrete channels in the band 2200-2290 MHz. When developed, this network will be used exclusively in support of Persistent Systems and General Dynamics Mission Systems (PS GDMS) for the U.S. Army's Program Executive Office, Simulation, Training and Instrumentation (PEO STRI). The developmental and testing period will be for a period of six months, during the period March 1, 2023 through July 31, 2023 in a single location, a 5-mile radius around a centerpoint at the Big Oaks Ranch on Brumley Road near Chuluota, Florida. The authority requested herein is in effect an extension of the authority granted by the Commission pursuant to WU9XFK, File No. 1310-EX-ST-2022, which expires March 1, 2023. The operating authority requested herein is virtually identical to that granted by WU9XFK. No interference complaints have been received whatsoever during the earlier test period. The applicant will conduct all of the coordinations previously performed pursuant to the earlier STA grant.

This STA application is necessary in order to continue development and testing of this system at this site. Two discrete channels are requested, centered at 2277 MHz and 2252 MHz, using a 20M0D1D emission and omnidirectional antennas, with a TPO of 10 watts, and an ERP of 16 watts, is requested. If two channels cannot be accommodated, the 2277 MHz channel is preferred.

The primary Stop Buzzer contact at the event will be Mr. Charles Roper of Persistent Systems, who can be reached at 970-914-1775 (mobile). an alternate is Mr. Ryan Kowalske of Persistent Systems, who can be reached at 614-784-1181 (mobile). Throughout the testing period, complete shutdown of all six transmitters can be accomplished immediately. Should any interference be reported, all operations and testing and will cease immediately and will not resume unless and until all such interference is resolved to the reasonable satisfaction of the complainant.

Other questions should be directed to undersigned communications counsel, who can be reached as follows:

Christopher D. Imlay
Booth, Freret & Imlay, LLC
14356 Cape May Road
Silver Spring, MD 20904-6011
(301) 384-5525 office telephone
(301) 384-6384 facsimile
(301) 351-3795 mobile
chris@imlaylaw.com
chris.imlay@gmail.com