

Persistent Systems, LLC
Request for Grant of Special Temporary Authority
File No. 0017-EX-ST-2020

NARRATIVE EXPLANATION OF OPERATION AND FREQUENCY COORDINATION

Persistent Systems, LLC requests a grant of special temporary authorization for terrestrial-only testing, together with Northrop Grumman, of a mobile networking system at the Matrix International Security Training Intelligence Center (MISTIC) in Roswell, New Mexico for the purpose of munition testing on the single frequency 2277 MHz. There will be two separate testing events, which will occur on January 27-31, 2020 and February 17-21, 2020.

MISTIC falls under the jurisdiction of White Sands Missile Range (WSMR), New Mexico and normally only military frequencies would be utilized at this location; however, WSMR are aware of the pending FCC request.

The center frequency 2277 MHz is the single channel requested, with a 20 megahertz occupied bandwidth emission. Throughout the testing period, frequency changes and/ or complete shutdown of all radiating sources from the device can be accomplished immediately. No antenna will exceed 6 meters AGL. Both omnidirectional and directional antennas will be deployed. The application form reflects the directional antenna characteristics. The omnidirectional antennas will have a vertical beamwidth of 77 degrees, with an ERP of 10 watts and a gain of 2 dB.

Should any interference be reported, all testing will cease immediately and will not resume unless and until all such interference is resolved to the reasonable satisfaction of the complainant.

The stop buzzer contact for this operation is Mr. Chris Wallower of Persistent Systems, LLC, cwallower@persistentsystems.com, who can be reached by mobile phone at 646-518-8909. Other information can be provided by undersigned communications counsel.

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