

From: Anthony Cimo

To: Doug Young

Date: January 30, 2020

Subject: Request for Info - File # 0894-EX-CN-2019

Message:

Mr. Young,

In response to your request of 1/28/2020 for a more detailed narrative, see our description below:

SRC Inc., has requested an Experimental License for the operation of the Persistent Systems MPU5 radios. The purpose of the use of the MPU5 radios is for networking two nodes into a terrestrial stand-alone network. SRC hopes the use of these radios will provide a high-performance wireless networking capability in supporting nodes that perform passive radio direction finding function. Testing the performance of these radios falls under 47 CFR § 5.3(d) to network two passive direction finding nodes. The MPU5 radios offer a mobile computing platform that allows the ability to plug sensors directly into the MPU5 to process and distribute data without additional hardware. One of the novel technologies the MPU5 radios have is, they are powered by the Wave Relay® MANET, which allows a distributed and decentralized group of fully mobile users to communicate continuously and efficiently without the need for fixed infrastructure or MAC-level timing. Another innovative approach used by the MPU5 radio is a 3x3 MIMO technology. The use of MIMO allows for more robust resistance to fading, better range, speed and reliability than traditional approaches. We hope to realize the benefits of this technology through the use of our Experimental License.

V/R,
Anthony Cimo