



Narrative for FCC Conventional Experimental License Application:

Applicant contact information:

Mark Sheehan

mark.sheehan@phasorlab.com

(978) 758-7783

To whom it may concern:

PhasorLab Inc. is a small wireless startup company based in Nashua, New Hampshire. We've been working on our innovative networking solution for the past 10 years. Our prototype is a spread-spectrum OFDM modulated mobile wireless mesh network using the ISM bands, abiding by the ISM Band rules. Our Hyper Sync Net (HSN) hardware consists of an FPGA, AD9361 Software Defined Radio (SDR) as well as discrete PA and LNA for optimal performance. We've leveraged our many novel and patented wireless synchronization innovations to implement a mobile mesh network with nodes synchronized at sub-nanosecond levels. This high-quality sync has created numerous high value applications for both commercial and military purposes, including GPS Backup, GPS-Free Drone guidance, and 5G position tracking to name a few.

Our next official experiment is with US Special Ops Command (USSOCOM) taking place from April 1 – 5 at Avon Park Air Force Range in Avon Park FL. This Technical Experimentation event does not require any kind of FCC license. However, we've applied to two other Technical Experiment events sponsored by the Office of the Under Secretary of Defense at the Naval Postgraduate School in Monterey CA, (May and August) and these require an FCC license. For all of these events, our objective is to demonstrate our capabilities, elicit interest in our prototype network, and gain access to funding to further develop our solution.

Best Regards,

A handwritten signature in black ink that reads 'Mark Sheehan'.

Mark Sheehan