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VIA OET Experimental Licensing System for STA
Office of Engineering and Technology
Federal Communications Commission
445 12th Street S.W.
Washington, D.C. 20554

RE: STA Filing # 1762-EX-ST-2018

Proterra Inc hereby submits this letter in support of our request for STA # 1762-EX-ST-2018 for the experimentation of using UWB. We are seeking approval to mount fixed UWB devices outdoors for experimental purposes.

We propose to track mobile vehicles simultaneously during portions of the experiment, however a single mobile unit will be tracked for the majority of the experiment.

The devices are time division multiplexed so that only a single device will be transmitting at any particular time, notwithstanding the fact that all of the devices will be operated simultaneously.

The proposed devices will be affixed to the roof of our buildings' campus. No device will be located more than 3 meters from the top of a roof. The average ground altitude for the area in question is 90 meters above sea level. No antenna will be affixed to the roof of a building. The devices will be in fixed, known positions relatively evenly dispersed on our campus.

The following persons have the ability and authority to cease transmissions at any time:

Primary Contact: Jason Hom, 650-766-4115 cell, jhom@proterra.com

Secondary Contact: Craig Fedor, 703-505-8918 cell, cfedor@proterra.com

Thank you for your consideration,

Jason Hom