

May 15th, 2026

Federal Communications Commission
Office of Engineering and Technology
Experimental Licensing Branch
45 L Street NE
Washington, DC 20554

Subject: Experimental License for Ku-band Transmit Authorization

To Whom It May Concern,

Quantum Leap Research cage code 8EFZ1 respectfully submits this justification in support of our application for an experimental license authorizing transmissions within a leased 1 MHz bandwidth in the Ku-band frequency spectrum.

The requested experimental authorization is intended to support QLR's primary business in contracting with the US government. Granting Ku-band transmit authority to QLR will directly advance U.S. national defense and therefore directly serves the public interest, convenience, and necessity. QLR executes government contracts for space-based capabilities that protect Department of War front-line fighters by enabling secure, resilient beyond line-of-sight communications, threat warning, and command and control in contested environments.

Ku-band authorization will allow realistic testing and hardening of space communications systems against jamming, interference, and hostile actions, strengthening the survivability of U.S. space assets and the safety of deployed personnel. A stronger, more resilient national defense protects American lives, supports national decision-makers, and underpins the security and prosperity of the civilian population. For these reasons, granting this license clearly aligns with the public interest and the patriotic objective of providing U.S. warfighters with the best possible protection and capabilities.

All testing will be done in a controlled manner within the frequency parameters outlined in the application. Should any technical questions or requests for technical clarification arise, please contact John Tompkins johnto@ql-research.com. For all other questions please contact Gary Ross.

Sincerely,

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