

EXHIBIT 1
Experimental License Renewal
Form 405 File #0092-EX-CR-2018
Call Sign: WH2XAP

Overview

Raytheon Company (“Raytheon”) develops advanced communications technologies that are utilized by the federal government. These technologies require extensive field testing to ensure the highest level of performance. Raytheon is filing this application to renew its experimental license for continued outdoor testing of communications technologies in support of its product development.

Description of Experiment

Raytheon is performing experiments to develop and test an advanced data link system that may be used in various mobile platforms. The advancements in the data links will help make the transmissions more reliable and enable greater data throughput. While the data link system may ultimately be utilized by the U.S. Department of Defense, the experiment is being conducted as independent research and development.

The antenna will transmit in 4400 – 4500 MHz band at 1 W ERP. Transmissions will be directional, so the limited beamwidth will minimize potential for interference. While operations are mobile, the radius is only 2 km, so only a very small area will be affected.

Stop Buzzer Point of Contact

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