Description of the Proposed Experimental Operations

SRT Wireless, LLC seeks a two-year experimental license to develop and test an L-Band satellite network simulator to be used [solely] for the development and testing of a limited number of innovative mobile handsets. This test set will simulate a wireless L-Band satellite network within a limited 15-foot radius in a terrestrial laboratory to enable a variety of tests and demonstrations without the need for the test facility to be within the footprint of an actual L-Band satellite. Such testing will be especially useful for developing and testing Thuraya network-compatible ground terminals in the U.S. without the need to travel abroad, thereby promoting American jobs and innovation.

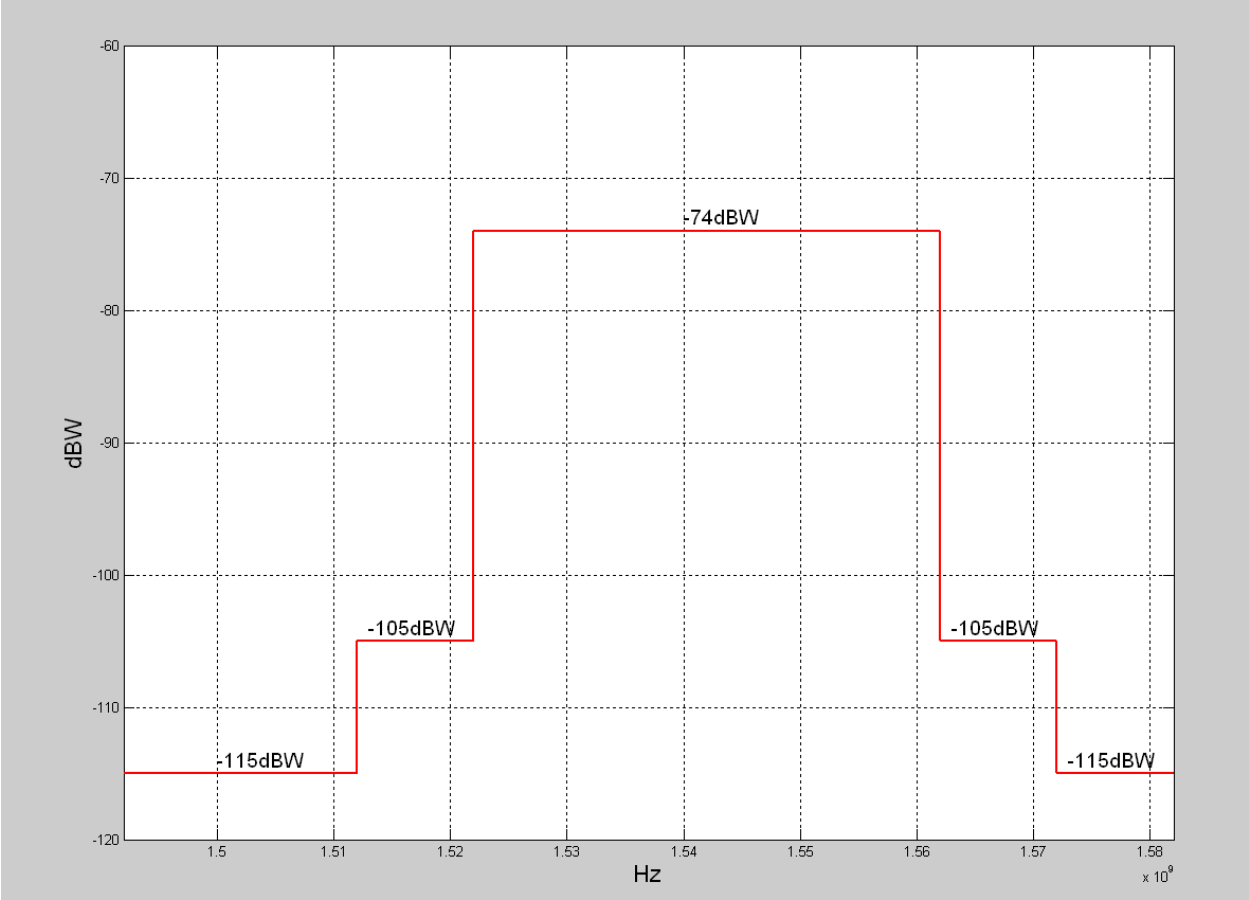
The objective of this project is to enable the development of innovative satellite ground terminal systems without the need to access an actual L-Band satellite. If successful, the program will facilitate the development of innovative new satellite communications technologies that can increase the value and use of satellites, particularly for mobile communications. It will also permit technicians to be trained in the U.S. without affecting an in-service satellite.

The experimental test set meets the following requirements:

- Maximum EIRP: -74 dBW and limited by design not to exceed a 15' radius coverage area.
- Maximum out-of-band emissions and spectral mask (see Chart 1 below):
    - -115 dBW from 300 kHz to 1.512 GHz
    - -105 dBW from 1.512 GHz to 1.522 GHz
    - -74 dBW from 1.522 GHz to 1.562 GHz
    - -105 dBW from 1.562 GHz to 1.572 GHz
    - -115 dBW from 1.572 GHz to 8.4 GHz
- Maximum number of test kits nationwide: 30
- Fixed channel bandwidth and wave shape
- Tunable range from 1525 MHz to 1559 MHz
- Four 23.4 kHz channels
- Output power and tuning adjusted manually via a PC but limited as above

A simple, easy-to-use software interface controls the testing setup and operation. There will be a permanently attached antenna and no external jacks or RF outputs, except a connection to a PC. The device will also incorporate tamper-evident seals and tamper-resistant fasteners.

Chart 1



Response to Question 12

SRT Wireless LLC is a limited liability company.