

Experimental Description

As an antenna manufacturer, ViaSat, Inc. Designs and produces a variety of antennas supporting a wide variety of frequencies.

The request for Special Temporary Authority (“STA”) is in support of verifying the antenna gain over temperature ratio (G/T) while transmitting into the S-band feed.

The test will require the antenna dish to be pointed straight up and transmit to zenith into the air.

The antenna system being tested is 13.5m (44.3 ft) in diameter but is located next to nearby buildings and other existing antennas of similar size and does not pose a hazard to aircraft.

The testing is expected to take place between normal business hours (8 AM to 8 PM EDT).

Exhibit A - Description

Exhibit B - Radiation Hazard Analysis

Exhibit C – Antenna Specifications