

## **EXPERIMENTAL PROGRAM**

## **Experiment Description**

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

The request for Special Temporary Authority (STA) is in support of a customer requirement to test the X band antenna system at full power level over the air – communications with an operational satellite is not part of this test.

The customer is SELEX ELSAG Limited and the end user is NATO SGS. The contract number is XCH539733/Subcontract number NSGS-000071.

During the test process, while transmitting, the antenna elevation is set to 90 degrees to minimize the potential for power being radiated toward the horizon or any operating geostationary satellites.

The antenna system being tested is 13.5 m in diameter, but it is located next to nearby buildings and other existing antennas of similar size and does not present a hazard to aircraft. See terrain profile drawing.

The testing is expected to take place between 8 AM and 8 PM EDT. The point of contact for ceasing transmissions in case of interference is Larry Kimbrough (1-404-775-9342) or Kenneth Smith (1-678-602-3849).