



Attachment A

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 U.S. Air Force customer requirement to test the antenna system at full power level over the air communications with an operational satellite is not part of this test.

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 requested frequency range for the test is 1761 – 1842 MHz and the available testing center frequencies are listed in Table 1. The preferred channel for the test is channel 10 with center frequency 1799.755859 MHz. The remainder of the center frequencies listed in Table 1 are provided to facilitate coordination with the US Navy. Only one center frequency is required for the testing.

Table 1 Uplink Channel Nominal Frequency Assignments

SGLS Channel	Frequency (MHz)
1	1763.720703
2	1767.724609
3	1771.728515
4	1775.732422
5	1779.736328
6	1783.740234
7	1787.744141
8	1791.748047
9	1795.751953
10	1799.755859
11	1803.759766
12	1807.763672
13	1811.767578
14	1815.771484
15	1819.775391
16	1823.779297
17	1827.783203
18	1831.787109
19	1835.791016
20	1839.794922



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 (404-775-9342) or Kenneth Smith (678-602-3849).