**EXHIBIT A**


**EXPERIMENTAL PROGRAM**

## Equipment Description

The purpose of this application is to seek authorization for over-the-air testing of ViaSat's SurfBeam® 2 Consumer Satellite Terminal in advance of the launch of the ViaSat-1 satellite. The terminals will be tested at a number of ViaSat locations across the country.

The SurfBeam 2 terminal is a second generation consumer broadband terminal very similar to the current SurfBeam 1 terminals operating under Blanket License E050033 on the WildBlue-1 and ANIK-F2 satellites.

The new SurfBeam 2 terminal is designed to take advantage of the higher performance of the ViaSat-1 satellite and offers higher data rates to the consumer while still meeting FCC 25.138 off-axis EIRP density requirements.

Per the attached datasheet, the reflector size is 77 x 72 cm and the nominal terminal EIRP at full power is 48.4 dBW.

The terminals will be tested using bandwidth on the WildBlue-1, ANIC-F2, and AMC-15 satellites. The testing will be supervised by the WildBlue network operations center which manages the bandwidth under the control of WildBlue on each of these spacecraft. This control center is available 7 x 24 and the direct number to the NOC is 720-554-7575. In the event that testing needs to be shut down for any reason, this is the number to call.

## Experimental Program

The proposed program of experimentation is designed to allow ViaSat to test and verify the performance of its VSAT products.

The test program consists of, but is not necessarily limited to, the following:

- Verification of hub and remote terminal modem and RF performance
- Verification of terminal throughput under various load conditions
- Verification of system capacity under various load conditions
- Verification of system network management functions such as uplink power control, network access control, remote subscriber terminal configuration and maintenance, and commanded transmit inhibit of remote terminals
- Verification of subscriber installation, configuration, antenna pointing aid tools, and transmit inhibit on loss of forward link reception
- General system performance benchmarking and modeling