Exhibit A

Description of Application and Waiver Request

ViaSat, Inc. ("ViaSat") seeks to modify its current authorization to add blanket authority to operate 20,000 1.2 meter temporary-fixed earth station to communicate with the ViaSat-1 satellite, utilizing the 28.35-29.1 GHz and 29.5-30.0 GHz (uplink) bands and the 18.3-19.3 GHz and 19.7-20.2 GHz (downlink) bands. ViaSat-1 is U.S. licensed and authorized to serve the U.S. in these bands. ViaSat also seeks authority to operate these earth station antennas with the WildBlue-1 and Anik-F2 satellites using the 29.5-30.0 GHz (uplink) band and the 19.7-20.2 GHz (downlink) band. WildBlue-1 and Anik-F2 are Canadian licensed and are authorized to serve the U.S. in these bands.

ViaSat currently holds a blanket license authorization under call sign E100143 (SES-LIC-20101217-01585) to operate a large number of user terminals in the 18.3-19.3 GHz, 19.7-20.2 GHz, 28.35-29.1 GHz and 29.5-30.0 GHz bands using the ViaSat-1 satellite.[1] ViaSat's affiliate, WB Holdings 1 LLC, is also blanket licensed under call sign E050033 to operate a large number of user terminals in the 19.7-20.2 GHz and 29.5-30.0 GHz bands on WildBlue-1 and Anik-F2.

This new Ka-SNG 1.2 m antenna is a variation of the previously authorized temporary-fixed antennas on this license and the antennas authorized in the ViaSat-1 Blanket License. The new Ka-SNG 1.2 m antenna uses the same outdoor electronics as the previously authorized antenna in the ViaSat-1 Blanket License. The Ka-SNG 1.2 m antenna also uses the same feed assembly as used with the ViaSat-1 Blanket Licensed antenna, but employs a different larger reflector and a mounting attachment for the reflector and feed arm which allows the antenna to be collapsed for vehicular roof mount applications, such as satellite news gathering.

In granting the ViaSat-1 Blanket License and the authorization for the ViaSat-1 satellite, the Commission granted authority to operate on the 28.6-29.1 GHz band on a secondary allocation and granted a waiver of the U.S. Table of Frequency Allocations to use the 18.8-19.3 GHz band for GSO FSS downlink operations.[2] In addition, the Commission permitted blanket licensing of earth stations in the 28.6-29.1 GHz and 18.8-19.3 GHz bands in the ViaSat-1 Blanket License. The new antenna type requested by this modification application will operate on these same frequencies when communicating with ViaSat-1, and thus, ViaSat requests the same waivers, to the extent necessary. The bases for such waiver showings for this new terminal type are no different than those already approved in the ViaSat-1 Authorization and the ViaSat-1 Blanket License. ViaSat respectfully incorporates by reference those prior showings,[3] and

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1 *See* File Nos. SES-LIC-20101217-01585; SES-AMD-20110128-00074 (granted Oct. 20, 2011) ("ViaSat-1 Blanket License").

2 *See* ViaSat-1 Blanket License; *see also* File Nos. SAT-LOA-20110722-00132, as amended (granted Oct. 14, 2011); SAT-LOI-20080107-00006, as amended (granted Aug. 18, 2009) ("ViaSat-1 Authorization").

3 *See* File Nos. SES-LIC-20101217-01585; SAT-AMD-20080623-00131.

requests that the Commission permit operations and blanket licensing in the 18.8-19.3 GHz band in this case.

Antenna Performance

The antenna meets the performance requirements in Section 25.138(a), as illustrated by the off-axis EIRP spectral density plots attached hereto as Exhibit C. In addition, the power flux-density at the earth's surface prodcued by emissions from each of the satellite points of communication are within the -118 dBW/m2/MHz limit set forth in Section 25.138(a)(6). The proposed earth station terminal conforms to the antenna performance standards in Section 25.209 in the receive frequency bands as demonstrated by the antenna gain patterns attached hereto as Exhibit B.

Radiation Hazard Analysis

A radiation hazard analysis for each of the proposed antennas is attached hereto as Exhibit D. As demonstrated by the results of the analysis, the maximum permissible exposure limit (MPE) is met for protection of the General Population/Uncontrolled Exposures – 1 mW/cm^2 averaged over a thirty minute period. The automatic shut-down capabilities described in the analysis, coupled with the terminals' use of uplink power control and non-continuous operation, ensures that the general population will not be exposed to levels of electromagnetic radiation that exceed the Commision's limits.