

## Exhibit A

### Description of Application and Waiver Request

ViaSat, Inc. (“ViaSat”) seeks a modification to its current authorization to add blanket authority to operate 250,000 74 cm Ka band VSAT earth stations 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 E120026 (SES-MOD-20140714-00598 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.

This new model “74 cm Ka band” antenna is a larger and improved variation of the previously authorized CPE-2 antenna on the current Blanket License. Note, that while the physical dimensions of the antenna calculate as a 76 cm equivalent aperture, due to feed illumination taper, the effective aperture is actually 74 cm. Antenna 3 and 3-Alt are electrically equivalent versions of the same antenna design, but represent two alternative source manufacturers. The new 74 cm antenna uses same the outdoor electronics (TRIA or newer eTRIA) as the previously authorized antennas. Updated off-axis e.i.r.p. density patterns and radiation hazard analysis for the new antenna are included as Exhibits B and C.

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.<sup>1</sup> 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,<sup>2</sup> and requests that the Commission permit operations and blanket licensing in the 18.8-19.3 GHz band in this case.

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<sup>1</sup> 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”).

<sup>2</sup> See File Nos. SES-LIC-20101217-01585; SAT-AMD-20080623-00131.