

EXHIBIT 1

Compliance with Rule 25.203(k)

In this application, DIRECTV Enterprises, LLC (“DIRECTV”) requests Ka-band ALSAT as a point of communication for three new earth station antennas, pursuant to the *Ka-Band ALSAT Order* adopted by the Commission.¹ These earth station antennas will transmit in the 29.25-29.5 GHz band, which is allocated on a co-primary basis to both GSO/FSS and NGSO/MSS feeder links. As required under Section 25.203(k) of the Commission’s rules, and as directed in footnote 31 to the *Ka-Band ALSAT Order*, DIRECTV demonstrates below that the operation of these earth station antennas with an ALSAT designation will not cause interference to co-primary, co-frequency feeder link operations.

In 2011, DIRECTV applied for and received Ka-band ALSAT authority for several earth station antennas.² In the applications to modify the licenses for those antennas, DIRECTV included an extensive analysis that showed that there would not be unacceptable interference to co-frequency NGSO MSS feeder link operations from the operation of those antennas. In order to demonstrate that operation of the currently applied-for earth station antennas will not cause unacceptable interference to co-primary, co-frequency feeder link operations, DIRECTV notes the following points:

- The earth station antennas that are the subject of this application are larger diameter than the DIRECTV Ka-band ALSAT earth station antennas that were licensed in 2011. This larger diameter results in a narrower main beam thereby further reducing the possibility of unacceptable interference.

¹ See *2006 Biennial Regulatory Review – Revision of Part 25*, 25 FCC Rcd 1542 (2010) (“*Ka-Band ALSAT Order*”).

² See *Satellite Communications Services Information; Actions Taken*, Public Notice, Report No. SES-01443, IBFS File Nos. SES-MFS-20111104-01314, SES-MFS-20111104-01315, SES-MFS-20111104-01317, SES-MFS-20111104-01320, SES-MFS-20111104-01322, SES-MFS-20111104-01324 (Apr. 25, 2012).

- The DIRECTV Ka-band antennas previously licensed with an ALSAT designation are located approximately 175-200 km from the closest NGSO MSS feeder link site. The antennas that are the subject of this application are almost 700km away from the nearest NGSO MSS feeder link site.
- As is stated in Recommendation ITU-R S.1419, “Interference mitigation techniques to facilitate coordination between non-geostationary-satellite orbit Mobile-Satellite Service feeder link and geostationary-satellite orbit Fixed-Satellite Service networks in the bands 19.3-19.7 GHz and 29.1-29.5 GHz,” geographical separation of approximately 225 km between GSO FSS and NGSO MSS earth stations is generally considered sufficient to ensure compatible GSO/NGSO operations.

Taken together, the above factors demonstrate that the operations of the applied-for Ka-band ALSAT earth station antennas will not cause interference to co-primary, co-frequency feeder link operations.