

From: Karis Hastings

To: Doug Young
Date: April 08, 2021

Subject: Request for Info - File # 0493-EX-ST-2021

Message:

The STA request seeks authority for operations with the O3b non-geostationary satellite orbit (NGSO) system using the 28.6-29.1 GHz transmit frequencies. Section 25.209 does not specify antenna performance standards for communications with NGSO systems in the 28.6-29.1 GHz Ka-band spectrum. Instead, that rule provides masks for operations with GSO satellites and for gateway terminals communicating with NGSO satellites in Ku-band frequencies.

Although SES-GS provided antenna patterns in Annex 1 that reference the Section 25.209 and Section 25.218 masks, these plots were intended only to provide illustrative information regarding the antenna's performance, since neither Section 25.209 nor Section 25.218 addresses operations with NGSO satellites in the 28.6-29.1 GHz band segment requested in the STA.