To: Kristi Key E-Mail: kristina.key@spacex.com From: Doug Young Date: November 05, 2021

Subject: Request for Info - File # 1522-EX-ST-2021

Message:

The FCC's InBureau/ Satellite Division requests the following information:

Please certify that your proposed operations in the 14-14.5 GHz band will meet the equivalent power Flux-density levels limit (-160 dBW/m2 in 40 kHz bandwidth) in the Table 22-2 of Article 22, Section II, of the ITU radio Regulations. Please provide the following uplink information that used to conduct in the EPFD calculation:

a. a maximum input power spectral density (dBW/40kHz and dBW/4kHz) for earth station,

b. the minimum separation angle between the NGSO orbit and the GSO arc (degrees), and at the sidelobes of the antenna patterns, how much dB down from the main lobe at the minimum separation angle.

c. the off-axis gain (dBi) (32-25log(?) transmitting from earth station),

d. the off-axis EIRP density towards the GSO (dBW/40kHz and dBW/4kHz),

e. the spreading loss

f. the minimum elevation angle from Airborne max alt 28,000 ft AGL, within 160 km , centered around NL 30-30-32; WL 87-15-14 to the GSO orbit/ satellite

g. the maximum EIRP density radiated towards a victim GSO satellite at any point on the GSO arc.

h. the input power at antenna flange, Maximum EIRP per carrier

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of November 05, 2021 may result in application dismissal pursuant to Section 5.67 and forfeiture of the filing fee pursuant to Section 1.1108.

DO NOT Reply to this email by using the 'Reply' button. In order for your response to be processed expeditiously, you must upload your response via the Internet at https://apps.fcc.gov/oetcf/els/index.cfm by clicking on the "Reply to Correspondence" hyperlink.

Responses to this correspondence must contain the Reference number: 65662