

From: Simon Molgat Laurin

To: Hung Le

Date: April 05, 2021

Subject: Request for Info - File # 0438-EX-ST-2021

Message:

1. As discussed in Exhibit A (“Narrative”) to the application, the vessel is currently located at port at 44°36'55.4"N 124°04'03.4"W. Subsequently, the vessel will not remain within a fixed radius of the initial location, but will instead travel north to Unalaska and the Chuchki Sea. The scheduled itinerary of the vessel is provided in a new attachment to the application titled “RV Sikuliaq Itinerary”.

2. The power has been amended to 21527.8 W (ERP) as requested.

3. Kepler is aware of its obligations to protect incumbent GSO space systems, and has certified in Exhibit A that its operations shall conform to the applicable power flux density and equivalent power flux density levels specified by Article 21, Article 22, and Resolution 76 of the ITU Radio Regulations. The demonstration in Exhibit C to this application (“EPFD Verification”) incorporates EIRP and EIRP spectral density in the EPFD evaluation. The Commission has found that NGSO systems that comply with the ITU EPFD limits will be deemed to not cause unacceptable interference to any GSO network (see 47 C.F.R. 25.289; and Amendment of Parts 2 and 25 of the Commission's Rules to Permit Operation of NGSO FSS Systems Co-Frequency with GSO and Terrestrial Systems in the Ku-Band Frequency Range, 16 FCC Rcd. 4096, para 77 (2000)).