

Name of your company as it will appear on your license application: **Kuiper Systems LLC**

Name of Your Mission: **KuiperSat-1 and KuiperSat-2**

Expected Integration Date Kuipersat-1: **Q3 2022**

Expected Launch Date Kuipersat-2: **Q4 2022**

Orbit apogee, perigee, inclination: **590 km, 590km, 33 deg.**

Expected operational lifetime: **2 years**

Form 442 Question 6: Description of Research Project (FCC Experimental License Request)

Applicant: **Globalstar, Inc.**
Form 442 File Number: **0389-EX-CN-2022**

The objective of the Globalstar Form 442 Experimental License request is to support communications for the Kuiper Systems LLC KuiperSat-1 and KuiperSat-2 CubeSat missions. The objectives of the KuiperSat project are presented in the Spectrum Authorization requests for the KuiperSat CubeSat missions.

- FCC File 0956-EX-CN-2021

Background:

This request is related to the spectrum authorization filing for the KuiperSat mission.

In its request, Kuiper Systems LLC sought authority to operate a Globalstar STX3 (FCCID L2V-STX3) receiver in space orbit, on each of 2 satellites. These are integrated into the KuiperSat-1 and KuiperSat-2 satellites which will be launched into low-earth orbit. Data collected by the KuiperSat-1 and KuiperSat-2 satellites will be transmitted by the Globalstar module and relayed to the mission operations center by means of the Globalstar system constellation and the associated Globalstar ground infrastructure.

In this Experimental License request, Globalstar seeks authority, in connection with the aforementioned CubeSat mission, to:

- Communicate with the licensed radio and relay the data to/from the Kuiper Systems LLC mission operations center.

The only change from Globalstar's currently licensed operations is that the Globalstar constellation will be communicating with an FCC-approved terminal located on a space station rather than communicating with this terminal from the usual earth-based location. Globalstar's License does not cover space-to-space operation, thus requiring this Experimental License request.

As described in the KuiperSat-1 and KuiperSat-2 Experimental License filings, File No. 0956-EX-CN-2021, the KuiperSat-1 and KuiperSat-2 satellites are each expected to be in operation for 24

months. Kuiper Systems LLC will notify the FCC of the dates of actual operation once those dates have been established.

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