

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

Applicant: Globalstar, Inc.
Form 442 File Number: 0281-EX-ST-2020

The objective of the Globalstar Request for Special Temporary Authority is to support communications for the Lynk Global CubeSat mission. The objectives of the Lynk Global project are presented in the Experimental License Application submitted by Lynk Global for the Lynk Global CubeSat mission, FCC File 2130-EX-ST-2019.

Background:

This request is related to FCC File 2130-EX-ST-2019, filed by Lynk Global.

In its request, Lynk Global sought authority to operate a NSL Eyestar D2F transceiver module (FCCID: J9CGSSDVM). This transceiver is integrated into the Lynk Global CubeSat which will be launched into low-earth orbit. Data collected by the Lynk Global CubeSat 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:

1. receive transmissions from the licensed transmitter modules and to relay the data to the mission operations center
2. transmit information to the CubeSat

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

It is anticipated that the Lynk Global CubeSat mission will be in orbit for approximately 6 months. Lynk Global will notify the FCC of the dates of actual operation, once those dates have been established.

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