

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

Applicant: Globalstar, Inc.
Form 442 File Number: 0560-EX-CN-2022

The objective of the Globalstar Form 442 Experimental License request is to support communications for the Lynk Global, Inc. Lynk Tower 3 and Lynk Tower 4 CubeSat mission. The objectives of the Lynk Tower 3 and Lynk Tower 4 project are presented in the Spectrum Authorization request for the Lynk Tower 3 and Lynk Tower 4 CubeSat mission.

- 0113-EX-CN-2022

Background:

This request is related to the spectrum authorization filing for Lynk Tower 3 and Lynk Tower 4 mission.

In its request, Lynk Global, Inc. sought authority to operate a Globalstar STX3 (FCCID L2V-STX3) transmitter in space orbit, one on each satellite, Lynk Tower 3 and Lynk Tower 4. This transmitters are integrated into the Lynk Tower 3 and Lynk Tower 4 CubeSats which will be launched into low-earth orbit. Data collected by the Lynk Tower 3 and Lynk Tower 4 CubeSats will be transmitted by the Globalstar modules 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:

- receive transmissions from the licensed transmitter module and relay the data to the Lynk Tower 3 and Lynk Tower 4 mission operations center

The only change from Globalstar's currently licensed operations is that the Globalstar constellation will be communicating with FCC-approved terminals located on a space station rather than communicating with these terminals 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 Lynk Tower 3 and Lynk Tower 4 filing, 0113-EX-CN-2022 the Lynk Tower 3 and Lynk Tower 4 CubeSat is expected to be in operation for 24 months. Lynk Global, Inc. will notify the FCC of the dates of actual operation once those dates have been established.

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