

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

Applicant: **Globalstar, Inc.**
Form 442 File Number: **0822-EX-CN-2021**

The objective of the Globalstar Form 442 Experimental License request is to support communications for Lynk Global's ("Lynk") Lynk Tower 1 small satellite mission. The objectives of the Lynk Tower 1 project are presented in the FCC File 0656-EX-CN-2021 submitted by Lynk for the Lynk Tower 1 satellite mission.

Background:

This request is related to the spectrum authorization filing for the Lynk Tower 1 mission.

In its request, Lynk sought authority to operate one NearSpace Launch EyeStar-D2E (uses Globalstar GSP-1720 transceiver module, FCCID J9CGSSDVM) and one NearSpace Launch EyeStar-S3 (uses Globalstar STX-3 transmitter module, FCCID L2V-STX3) in space orbit. These transceiver(s) are integrated into the Lynk Tower 1 small satellite which will be launched into low-earth orbit. Data collected by the Lynk Tower 1 small satellite 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 small satellite mission, to:

- receive transmissions from, and transmit to, the licensed transceiver module(s) and relay the data to/from the Lynk Tower 1 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 1 filing, 0656-EX-CN-2021, the Lynk Tower 1 small satellite is expected to be in operation for 24 months. Lynk will notify the FCC of the dates of actual operation once those dates have been established.

Lynk Tower 1 Contact for Stop-Buzzer:

Contact information for the Lynk Tower 1 mission is provided in Lynk's Form 442 application.

Globalstar Contact Person:

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