

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

Applicant: Globalstar, Inc.  
Form 442 File Number: 0215-EX-CN-2021

The objective of the Globalstar Form 442 Experimental License request is to support communications for the NearSpace Launch, Inc. (NearSpace Launch) TAGSAT-2 CubeSat mission. The objectives of the TAGSAT-2 project are presented in the Experimental License Application submitted by NearSpace Launch for the TAGSAT-2 CubeSat mission, FCC File 0124-EX-CN-2021.

**Background:**

This request is related to FCC File 0124-EX-CN-2021, filed by NearSpace Launch.

In its request, NearSpace Launch sought authority to operate one NSL EyeStar-S3 (FCC-approved licensed Globalstar STX-3 transmitter module, FCCID L2V-STX3) transceiver. This transceiver is integrated into the TAGSAT-2 CubeSat which will be launched into low-earth orbit. Data collected by the TAGSAT-2 CubeSat 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 transceiver module and relay the data to the TAGSAT-2 mission operations center

The only change from Globalstar's currently licensed operations is that the Globalstar constellation will be communicating with the 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 TAGSAT-2 Technical Description (FCC File 0124-EX-CN-2021), the TAGSAT-2 is expected to be in operation for 60 months. NearSpace Launch will notify the FCC of the dates of actual operation, once those dates have been established.

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