

Description of Research Project (FCC Experimental License Request)

Applicant: [Globalstar, Inc.](#)
FCC_File Number: [1716-EX-ST-2020](#)

in support of: [Benchmark Space Systems, BSS1, File 1519-EX-ST-2020](#)

The objective of this Globalstar Request for Special Temporary Authority is to support communications for the [Benchmark Space Systems, BSS1](#) mission. The objectives of the [BSS1](#) project are presented in the Special Temporary Authority Application submitted by [Benchmark Space Systems](#) for the [BSS1](#) mission, FCC_File [1519-EX-ST-2020](#).

Background:

In its request, [Benchmark Space Systems](#) sought authority to operate [Qty 1](#) of [GSP-1720 \(FCCID 19CGSSDVM\)](#) and [Qty 1](#) of [STX3 \(FCCID L2V-STX3\)](#). These transceivers are currently integrated into the [BSS1](#) system. Information transmitted by the [BSS1](#) system will be relayed to the [BSS1](#) 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 mission, to:

1. [receive](#) transmissions from the licensed transmitter module(s) and to relay the data to the Mission Operations Center
2. [transmit](#) from the licensed Globalstar Constellation to the licensed GSP-1720 modem

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

The [Benchmark Space Systems BSS1](#) Mission Office will notify the FCC of the dates of actual operation, once those dates have been established.

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