

Narrative
Request for Extension of Special Temporary Authority
Call Sign E150097

By this application, ISAT US Inc. (hereinafter “Inmarsat”), a subsidiary of Viasat, Inc., requests extension of special temporary authority (“STA”) for an additional thirty (30) days to communicate with the Anik F2 space station using up to seven units of the Cobham SATCOM 6075 terminal and up to seven units of the GetSat GX Lite terminal (the “Terminals”) at seven fixed locations throughout the Contiguous United States, indicated in Table 1 below.

Table 1
Requested Operational Locations of the Terminals

Location	Latitude (N)	Longitude (W)
Reston, Virginia	38° 56' 51.5"	77° 21' 2.6"
Aiken, South Carolina	33° 30' 19.7"	81° 41' 20.7"
Duluth, Georgia	33° 57' 42.6"	84° 5' 53.5"
Springtown, Texas	32° 59' 43.7"	97° 43' 25.2"
Cheyenne, Wyoming	41° 7' 51.5"	104° 44' 32.6"
Riverside, California	33° 47' 45.0"	117° 5' 25.7"
Chicago, Illinois	41° 59' 36.7"	87° 47' 30.7"

Inmarsat requests STA to operate within the parameters indicated in Table 2 below. Notably, these parameters are consistent with those of two electrically equivalent antenna types already authorized by the Commission through Inmarsat’s blanket license for land terminals.¹

Table 2
Requested Operational Parameters of the Terminals

Terminal Type	Cobham SATCOM 6075	GetSat GX Lite
Maximum total input power at flange	5.0 W	16.0 W
Maximum antenna gain @ 30 GHz	44.4 dBi	34.3 dBi
Maximum aggregate output EIRP	51.2 dBW	48.8 dBW
Transmit Carrier Emission Designators	460KG7W, 3M32G7W, 5M00G1W	460KG7W, 5M00G1W
Transmit Carrier Polarization	Right hand circular	
Transmit Frequencies (earth-to-space)	29.5-30.0 GHz	
Maximum EIRP/Transmit Carrier	42.6, 51.2, 51.2 dBW	38.8, 48.8 dBW
Maximum EIRP Density	22.0, 22.0, 20.2 dBW/4kHz	18.2, 17.8 dBW/4 kHz
Receive Carrier Emission Designators	32M0G7W	
Receive Carrier Polarization	Left hand circular	
Receive Frequencies (space-to-earth)	19.7-20.2 GHz	

¹ The Cobham SATCOM 6075 is electrically equivalent to the Cobham SATCOM 3075. The GetSat GX Lite is electrically equivalent to the GetSat Millisat-H. Both the Cobham SATCOM 3075 and the GetSat Millisat-H are authorized as Site IDs 1 and 20, respectively, under Call Sign E150097, ICFS File No. SES-MFS-20221213-01332 (granted Mar. 10, 2023).

The requested STA would permit Inmarsat to use the Terminals to test the performance of Inmarsat's Global Xpress network using Anik F2.¹

The Anik F2 space station has been licensed by Canada and authorized to serve the United States from the 111.1° W.L. orbital location, including in relevant portions of the Ka band.² Inmarsat would be responsible for all technical aspects of operation of the Terminals, which would be closely monitored by the Inmarsat Network Operations Center and the engineering team associated with the operation. The Network Operations Center is available 24 hours a day, seven days a week, at the following address and phone number:

Inmarsat Network Operations Center
160 Comsat Road
Haleiwa HI 96712
Phone +1 808 638-5820

Further, Inmarsat provides the following stop buzzer contact available 24 hours a day, seven days a week with redundant authority to cease transmissions:

John Kim
Director, Network Validation
Phone +1 202 368-2068

Inmarsat acknowledges that any operations authorized under the STA would be on a non-interference and non-protected basis.

Expeditious grant of the requested STA would serve the public interest by facilitating continued testing of Anik F2 within Inmarsat's Global Xpress network to assure operational reliability. Moreover, operations would be consistent with the technical parameters already reviewed and approved by the Commission and found to be in the public interest. Inmarsat therefore respectfully requests that the Commission grant extension of STA.

¹ Inmarsat has applied for a modification of its GX Aeronautical ESIM blanket license to add Anik F2 as a point of communication. *See* ISAT US Inc., Call Sign E140114, ICFS File No. SES-MFS-20250227-00284.

² *See* Telesat Canada/Telesat Spectrum Corp., Call Sign S2472, ICFS File Nos. SAT-PDR-20020321-00027 & SAT-PPL-20041004-00194.