

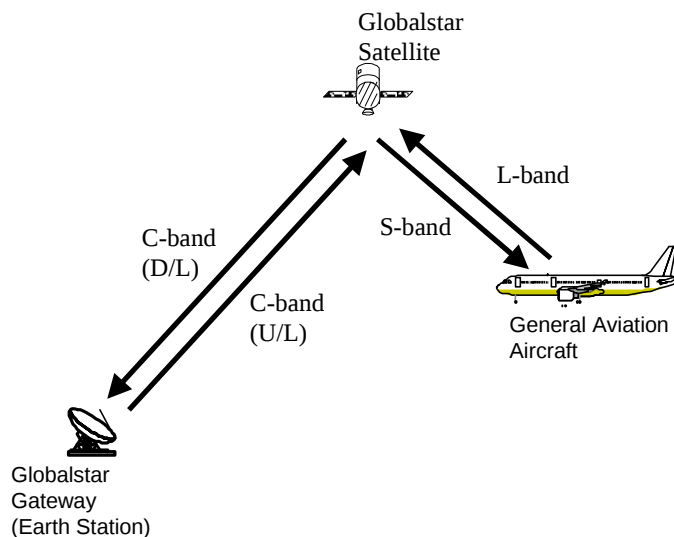


To: John Kennedy, FCC
From: Bob Vaddiparty
Cc: William Wallace, Paul Monte
Date: 31 June, 2002

Subject: Additional Information for Exp. License 0028-EX-PL-2001

Globalstar has requested an experimental license to operate its user terminals (phones) on general aviation (not commercial) airplanes as part of developing the airborne market. Globalstar (Loral/Qualcomm Satellite Services) already has a license to operate its service at L-band and S-band (user-links) and C-band (feeder-links) in the United States as well as other parts of the world. In fact, Globalstar has been offering its services for some time now.

A schematic diagram of the experiments proposed in this license application is given below. The user terminal (Globalstar phone), which normally resides on the ground, is to be placed in the general aviation aircraft. The duplex communication consists of the forward and return links. The forward link is the segment from the gateway (C-band uplink at 5 GHz) through the satellite to the user terminal (S-band at 2.5 GHz) on the aircraft. The return link is from the user terminal on the aircraft (L-band at 1.6 GHz) through the satellite to the gateway (C-band downlink at 7 GHz). The exact frequency ranges are provided in the existing licenses which are referenced with this application.



As the Globalstar system consists of many gateways across the world, during the course of this experiment, we would like to make sure connection is provided over regions covered by multiple gateways. This is the reason for the request over the entire United States—a region that is covered by three separate Globalstar gateways.

This short description should answer your questions which you left on my voice mail this morning. Feel free to contact me at 408-933-4578 if you have any additional questions.