

From: Bob Vaddiparty

To: John Kennedy

Date: May 31, 2002

Subject:

FCC File #: 0028-EX-PL-2001- Reply

Message:

The following is a response to a question from Mr. John Kennedy (sent by email to me on 5/31). It is in regards to our request for experimental license (# 0028-EX-PL-2001):

The antenna from the aircraft to the Globalstar satellite is a patch antenna with a peak gain of about 4 dB and a 2-dB beamwidth of about 85-degrees. It is essentially an omnidirectional antenna. It will be mounted on the aircraft with a clear view of the sky. The gain of back-lobes, which might illuminate the earth are at least -20 to -25 dB relative to the peak gain. Furthermore, since the antenna will be mounted on top of the aircraft, the body of the plane will further attenuate the back-lobe gains. Therefore, there will be no significant back-lobe energy radiated to the ground during this experiment to cause any interference to the terrestrial communications equipment.

Thank you
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