

To: grobinson@ti.com
From: Robert A Bauer <Robert.A.Bauer@lerc.nasa.gov>
Cc: Richard.J.Krawczyk@lerc.nasa.gov, Louis.R.Ignaczak@lerc.nasa.gov
Bcc:
Subject: Re: Ka Band Terminal Test
Attachment:
Date: 3/9/98 3:24 PM

Gene,

As we discussed by phone and email, ACTS is aware of your intentions to develop and test a Ka-band payload as outlined below. NASA does not foresee your activity to be a problem, however, NASA should be kept informed of the days, times, and a point of contact for your activities so that if a problem does occur, the situation can be effectively coordinated.

The NASA Lewis point of contact for this is:
Lou Ignaczak
216.433.6607
Pager: 216.549.2259

NASA is very interested in the results of modifying this terminal and the success you have in achieving the data rates proposed. Would you keep me informed of the results?

Sincerely,

Robert Bauer
ACTS Project Manager

At 09:05 AM 2/27/98 -0800, you (Gene Robinson) wrote:

Bob, as we discussed on the phone we are looking at new wideband data terminals which could be used with the various Ka-Band satellites in the next few years. The work we will be doing this spring is the modification of an ACTS terminal to support data rates up to 155mbps with a 29.65GHz up link and a 19.925GHz down link. Since we will be unable to reach the ACTS satellite due to limited power we would like to fly a bent pipe on a small aircraft to support our testing. We plan to apply for an experimental license to support our testing in the Ka-Band and would appreciate your support via a letter to Raytheon Systems. We would coordinate before each test and during the test period to assure that our testing did not cause a problem with users of the ACTS satellite. We would provide your letter along with our application for experimental license to show the FCC our intention to coordinate our test with the ACTS program office and their users.

Eventually, we would like to have sufficient power to use the ACTS satellite but that is some time in the future pending success of our initial test.

We would like to apply for the experimental license in the next couple of weeks. Your timely response would help us meet that schedule.

Regards,

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Gene Robinson
Senior Fellow
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grobinson@ti.com