

From: "David Woody" <dwoody@caltech.edu>
Subject: **FW: Coordination for Experimental License Application for AeroVironment**
Date: December 7, 2010 3:37:55 PM PST
To: <torres@avinc.com>
Reply-To: <dwoody@caltech.edu>

Dear Gabriel

Your tests in the limited area you describe should not interfere with our observations.

Sincerely
David

David Woody
Assistant Director
Caltech Owens Valley Radio Observatory
dwoody@caltech.edu
PO Box 968, Big Pine, CA 93513 USA
phone: 760-938-2075ext111

-----Original Message-----

From: Tim Pearson [<mailto:tip@astro.caltech.edu>]
Sent: Monday, December 06, 2010 10:59 AM
To: dwoody@caltech.edu
Cc: 'Nikolaus Volgenau'; 'Tom Culverhouse'
Subject: Re: Coordination for Experimental License Application for AeroVironment

Hi Dave

This is in-band for C-BASS, so we should be worried. I am aware that the public safety band (adjacent to the reserved radio astronomy band) is getting increased use, and I am worried that it may start to be used in the valley. Our interference from Bishop may come under this classification, but at least it's not airborne.

I think this particular source is ok, however, because it is so far away and below the horizon. There are ways of calculating the expected signal strength given the terrain, but I am not familiar with them. JPI is. Should we coordinate our response with Goldstone?

We should also alert the VLBA.

Tim

On Nov 30, 2010, at 11:11 AM, David Woody wrote:

Nikolaus and Tim

Do you want to reply to this person. I don't think their flights will have any impact here at OVRO because they will be more the 200 miles away.

David

-----Original Message-----

From: Torres Gabriel [<mailto:torres@avinc.com>]
Sent: Tuesday, November 30, 2010 9:28 AM
To: dwoody@ovro.caltech.edu
Subject: Coordination for Experimental License Application for AeroVironment

Mr. Woody:

I spoke to Mary at the Owens Valley Radio Observatory office this morning and she suggested I contact you. My name is Gabriel Torres and I am a Project Manager at AeroVironment. We design and manufacture small unmanned aerial vehicles (UAVs), primarily for military and public safety missions (see website at www.avinc.com for details).

We're preparing to file an experimental license application with the FCC

for

operation in the 4.94 to 4.99 GHz band. We plan to be operating in the area

near Simi Valley, CA as well as near Camp Roberts, CA. For the requested frequencies, and because we intend to request a waiver that allows flight

of

small UAVs at 400 ft above the ground at the specified test sites, we need coordination with nearby Radio Astronomy sites. OVRO is one of them and Goldstone Observatory is the other. I'd like to talk with you or someone

in

your office to explain our proposed operations and work towards a letter

of

concurrence that we can use to complete our license application.

Attached is a document that summarizes the proposed operations and the locations of interest and their range and topography related to OVRO (and Goldstone).

Can you or someone in your office please call me at 805-276-4011 (cell phone) to discuss this further?

Thank you in advance for your help.

Gabriel

Gabriel Torres
Aeronautical Engineering Manager / Project Manager AeroVironment, Inc.
900 Enchanted Way, Simi Valley, CA 93065
Phone: (805) 581-2187 x1427
Email: torres@avinc.com
Web: www.avinc.com

<Radio_Astronomy_Sites_FCC_License_2010-10-13.pdf>