

From: "Manshadi, Farzin (9030)" <farzin.manshadi@jpl.nasa.gov>
Subject: **RE: Request for Support of Experimental License for 4.94-4.99 GHz for AeroVironment**
Date: December 20, 2010 12:07:11 PM PST
To: Torres Gabriel <torres@avinc.com>
Cc: "Sue, Miles K (332G)" <miles.k.sue@jpl.nasa.gov>, "Ho, Christian M (332G)" <christian.m.ho@jpl.nasa.gov>, "Kuiper, Thomas (3266)" <kuiper@jpl.nasa.gov>
1 Attachment, 9.8 MB

Dear Mr. Torres,

Attached, please find a summary of the JPL analysis for calculating the potential interference from the AeroVironment unmanned vehicle operations in the vicinity of Simi Valley and Camp Roberts, California. As you can see, based on the information that you have provided, the AeroVironment system will not interfere with the Radio Astronomy operations at the NASA's Goldstone Deep Space Communication Complex. Consequently, JPL has no objection to this unmanned Vehicle operations. Please let us know if the parameters for this system change in the future. Thanks.

Regards,

Farzin Manshadi

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From: Torres Gabriel [<mailto:torres@avinc.com>]
Sent: Wednesday, December 01, 2010 11:57 AM
To: Manshadi, Farzin (9030)
Subject: Request for Support of Experimental License for 4.94-4.99 GHz for AeroVironment

Mr. Mashadi,

Following up on our phone call this morning, we would like to request JPL's help in supporting our application for an experimental license for the 4.94 to 4.99 GHz Public Safety band. Our intended areas of operation are shown in the attached document - they include Simi Valley and Camp Roberts. Our intention is to use a datalink in the 4.94 to 4.99 GHz range with an EIRP of 26 dBm.

The datalink will be used in a small unmanned aerial vehicle that will be flown **below** 400 feet above the ground. Because our intention is to have the datalink be operated inside an air vehicle (flying at 400 ft AGL maximum), we will also be requesting a waiver for airborne use as part of our experimental license application.

Our desired end result is a letter of concurrence from Goldstone Deep Space Communications Complex that supports our operations in the requested locations.

Please let me know if you need additional information to complete this request.

Thank you very much.

Gabriel



[4 9GHz Aer...v.pdf \(9.8 MB\)](#)