

From: Andrew Pazmany <apazmany@yahoo.com>
To: <aserafin@fcc.gov>
Date: 11/30/01 4:28PM
Subject: Re: Environmental Assessment [Reference Number: 1553]

Dear Mr. Serafin,

This is in response to your request to assess the environmental impact potential of the University of Massachusetts 9.4 GHz mobile radar system (confirmation number: EL11180).

I must have unintentionally indicated in my response to question 12 on FCC form 442, that my UMass X-band radar system may have an environmental impact. The radar system is a relatively low peak (10 kW max.) and low average (10 W max) power instrument used to image tornadoes and other severe storm features. This relatively low power is further diffused by a 1.8 m diameter radome covered parabolic antenna, so that the maximum average power density right in front of the antenna aperture is below 1W/m^2 . This power density at the non-intrusive 9.4 GHz operating frequency should be harmless to humans, insects, birds or vegetation. To make it further safe in normal operating mode the antenna is rotated at a rate of 4 rpm and is elevated about 12 feet above ground so that the radar beam passes over individuals standing near the radar system.

Please do not hesitate to contact me if I can provide more information on this matter.

Sincerely yours,

Andrew L. Pazmany
Research Associate Professor
University of Massachusetts
Amherst, MA 01003
pazmany@mirsl.ecs.umass.edu
(413) 549-4402 ext 11

--- oetech@fccsun34w.fcc.gov wrote:
> In your application under question 12, you indicated
> that your experiment may have an environmental
> impact regarding RF exposure under Section 1.1307.
> Therefore, you must submit an environmental
> assessment according to these rules before we can
> grant your application. We have completed all other
> parts of reviewing your application. If you have
> any questions, I can be reached at 202-418-2456.
>
> Confirmation Number: EL11180
> aserafin@fcc.gov
> =====
> The items indicated above must be submitted before
> processing can continue on the above referenced
> application. Failure to provide the requested
> information within 30 days of 11/29/2001 may result
> in application dismissal pursuant to Section 5.67

> and forfeiture of the filing fee pursuant to Section
> 1.1108.
>
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