

**From:** "Zugel, Ken" <kzugel@hiflight.com>  
**To:** <ASERAFIN@fcc.gov>  
**Date:** 9/11/02 12:24PM  
**Subject:** FW: AFTRCC ICN 00F2-02 (Aurora Flight Sciences/Exp License - Manassas , VA) - Revised

Tony,

Thanks for your help.  
Here's an update from AFTRCC.

Ken Zugel

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

From: Criman, Gina M [mailto:gina.m.criman@boeing.com]  
Sent: Wednesday, September 04, 2002 11:10 AM  
To: 'kzugel@hiflight.com'; Criman, Gina M  
Cc: Miller, Rex D; Holtmeyer, Darryl J; 'AFTRCC Treasurer - W. Clark Hart'; 'AFTRCC Vice Chair - Wayne Morris'; 'Carl Huie'; 'Jeffrey Kam'; 'RyanMR2@navair.navy.mil'; 'GoddardRN@navair.navy.mil'  
Subject: AFTRCC ICN 00F2-02 (Aurora Flight Sciences/Exp License - Manassas , VA) - Revised  
Importance: High

Please replace previous transmission noting prior scheduling requirement from Mid-Atlantic AFC.

> -----  
> From: Criman, Gina M  
> Sent: Thursday, August 29, 2002 10:30 AM  
> To: 'kzugel@hiflight.com'  
> Cc: Miller, Rex D; Holtmeyer, Darryl J; 'AFTRCC Treasurer - W. Clark Hart'; 'AFTRCC Vice Chair - Wayne Morris'; Carl Huie; Jeffrey Kam  
> Subject: AFTRCC ICN 00F2-02 (Aurora Flight Sciences/Exp License - Manassas , VA)  
> Importance: High  
>  
> ~~~~~  
> This e-mail is your AFTRCC coordination.  
>  
> The coordination includes this header information, DoD Area Frequency Coordinator comments, and AFTRCC comments. These three messages must not be separated.  
>  
> This recommendation is advisory only and not binding on the FCC.  
> Applicants are advised that this coordination does not constitute a judgement that a recommended frequency is best suited to the applicant's purpose nor that the frequency is exclusive to the applicant.  
> Flight Test frequencies are shared and may be subject to scheduling with other agencies.  
>  
> In return for AFTRCC's processing of the applicant's coordination request, the applicant agrees to release and hold harmless AFTRCC,

> its officers, directors, members, agents and representatives from  
> any claims, losses or expenses which may arise as a result of  
> the applicant's use of these frequencies.  
>  
> A copy of this coordination must accompany your application to the FCC.  
> ~~~~~  
> -----  
> From: Ryan, Mike R2[SMTP:RyanMR2@navair.navy.mil]  
> Sent: Sunday, September 01, 2002 11:35 AM  
> To: 'Criman, Gina M'; 'carroll.alexander@pentagon.af.mil'; Goddard,  
> Robert N; Joy, Lawrence M  
> Subject: RE: AFTRCC ICN 00F2-02 (Aurora Flight Sciences/Exp License -  
> Manassas , VA)  
>  
> The MID-LANT AFC concurs with coordination proposal ON THE CONDITION THAT  
> ALL USAGE BE SCHEDULED THROUGH OUR RANGE TELEMETRY SCHEDULING OFFICE (Mr.  
> Larry M. Joy, 301-342-1542).  
>  
> Very Respectfully,  
> Mr. Mikel R. Ryan  
> Head, MID-LANT Area Freq. Coordination Office  
> NAVAIRWARCENACDIV Patuxent River MD  
> COMM: 301-342-1532/1194  
> DSN: 342-1532/1194 FAX: X1200  
>  
> -----  
> From: Goddard, Robert N[SMTP:GoddardRN@navair.navy.mil]  
> Sent: Thursday, August 29, 2002 10:24 AM  
> To: 'Criman, Gina M'  
> Subject: RE: AFTRCC ICN 00F2-02 (Aurora Flight Sciences/Exp License -  
> Manassas , VA)  
>  
> Hi Gina,  
>  
> Been TAD, assumed Mike had given approval.  
>  
> MIDAFC concurs as requested.  
>  
> v/r,  
> Rob Goddard  
> MID-LANT Area Freq. Coordination Office  
> NAVAIRWARCENACDIV Patuxent River MD  
> COMM: 301-342-1532/1194  
> DSN: 342-1532/1194 FAX: X1200  
> goddardrn@navair.navy.mil  
>  
> -----  
> From: Alexander, Carroll, Mr.,  
> AFFMA[SMTP:Carroll.Alexander@pentagon.af.mil]  
> Sent: Wednesday, August 28, 2002 2:29 PM  
> To: 'Criman, Gina M'; 'ryanmr2@navair.navy.mil';  
> 'goddardrn@navair.navy.mil'  
> Cc: Nelson, Beverly, Ms, AFFMA; Lemmons, Perry, G., Mr., AFFMA  
> Subject: RE: AFTRCC ICN 00F2-02 (Aurora Flight Sciences/Exp License -

> Manassas , VA)  
>  
> AFFMA has no objection to the use of the frequencies below. (AFTRCC ICN  
> 00F2-02).  
>  
> //SIGNED//  
> Carroll A. Alexander "Alex"  
> AF Frequency Management Agency  
> 2461 Eisenhower Ave., Hoffman I, Suite 1203  
> Alexandria, Va. 22331-1500  
> (703) 428-1513, DSN: 328-1513  
> Fax: (703) 428-1575  
> "Supporting the Warfighters"  
> -----Original Message-----  
> From: Criman, Gina M [mailto:gina.m.criman@boeing.com]  
> Sent: Tuesday, August 27, 2002 11:22 AM  
> To: 'carroll.alexander@pentagon.af.mil'; 'ryanmr2@navair.navy.mil';  
> 'goddardrn@navair.navy.mil'  
> Subject: AFTRCC ICN 00F2-02 (Aurora Flight Sciences/Exp License -  
> Manassas , VA)  
> Importance: High  
>  
> To: HQ USAF FMA  
> Mid-Atlantic AFC  
>  
> AFTRCC concurs and requests coordination for a 2-Year Experimental FCC  
> License.  
> This usage will be for low altitude UAV operations detailed as follows:  
>  
> Usage: Ground to air for UAV comand and control telemetry, and air to  
> ground for UAV and payload telemetry and video.. Intermittent daylight  
> hours  
> 9/01/2002 - 09/01/2004.  
>  
> Applicant:  
> Aurora Flight Sciences Corporation  
> 9950 Wakeman Dr.  
> Manassas, VA 20110  
> POC Kenneth Zugel (Tel) 701-331-1024  
> (Email) kzugel@hiflight.com  
>  
> Frequencies Emission Power  
> 1440.5 MHz 350KF2D 400 Watts  
> 1460.5 MHz 350KF2D 400 Watts  
> 1494.5 MHz 350KF2D 10 Watts  
> 2367.5 MHz 13M0F9W 10 Watts  
> 2380.5 MHz 13M0F9W 10 Watts  
> 2387.5 MHz 350KF2D 10 Watts  
>  
> Altitude: 0 feet AGL to 1,500 feet MSL  
>  
> Areas of operation: 10 MIRAD (16 kmRAD) of:  
> Manassas, VA (38-43-16N / 077-31-11W)  
>

> Dates of operation: 09/01/02 through 09/01/04  
>  
> AFTRCC recommendations:  
PRIOR TO OPERATION, ALL USAGE MUST BE SCHEDULED  
> THROUGH MID-ATLANTIC, NAVAIRWARCENACDIV, Patuxent River, MD,  
> RANGE TELEMETRY SCHEDULING OFFICE (Mr. Larry M. Joy, 301-342-1542).  
>  
> Please comment via e-mail reply stating concurrence,  
> non-concurrence, scheduling requirements or recommendations.  
>  
> Signed by:  
> Darryl J. Holtmeyer  
> AFTRCC Frequency Advisory Committee  
> Frequency Manager, AFTRCC Telemetry Coordinator  
> c/o The Boeing Company, Mailcode S111-1030  
> St. Louis, MO 63166-0516  
> (Tel) 314-233-1117  
> (Fax) 314-234-0714  
> (Email) darryl.j.holtmeyer@boeing.com  
>  
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