

## Behnam Ghaffari

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**Subject:** FW: AFTRCC ICN 1579-13/4975 (Univ. of KS XT/Sense&Avoid Radar Small UAV-Lawrence, KS)

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**From:** George Blake [mailto:grblake@pacbell.net]  
**Sent:** Wednesday, December 18, 2013 10:44 AM  
**To:** Behnam Ghaffari  
**Subject:** Fw: AFTRCC ICN 1579-13/4975 (Univ. of KS XT/Sense&Avoid Radar Small UAV-Lawrence, KS)

**Applicant:** University of Kansas  
**File Number:** 0766-EX-PL-2013  
**Correspondence Reference Number:** 22380  
**Date of Original Email:** 12/18/2013

Mr. Ghaffari,

Please accept this as the ORIGINAL E-mail correspondence from AFTRCC.

Thank You.

George Blake

913-548-6556

KU Aerospace Engineering

----- Forwarded Message -----

**From:** "[wayne.morris@L-3com.com](mailto:wayne.morris@L-3com.com)" <[wayne.morris@L-3com.com](mailto:wayne.morris@L-3com.com)>  
**To:** [grblake@ku.edu](mailto:grblake@ku.edu)  
**Cc:** [dataentry@aftrcc.org](mailto:dataentry@aftrcc.org); [dhankins@cessna.textron.com](mailto:dhankins@cessna.textron.com); [treasurer@aftrcc.org](mailto:treasurer@aftrcc.org)  
**Sent:** Tuesday, December 17, 2013 9:23 AM  
**Subject:** AFTRCC ICN 1579-13/4975 (Univ. of KS XT/Sense&Avoid Radar Small UAV-Lawrence, KS)

This email is your AFTRCC coordination.

This coordination includes this header information, DOD Area Frequency Coordinator comments and AFTRCC comments. These messages must not be separated.

This coordination is advisory only and not binding on the FCC. Applicants are advised that this coordination does not constitute a judgment that the frequency(ies) is best suited for the applicant's purpose nor that the frequency(ies) is exclusive to the applicant. Flight Test frequencies are shared and may require scheduling with other users.

In return for AFTRCC's processing of the applicant's coordination request, the applicant agrees to release and hold harmless AFTRCC, its officers, directors, agents, members, and representatives from any claims, losses or expenses that may arise from the use of the frequency.

This coordination is not an authorization to transmit. A copy of this coordination must accompany application to the FCC.

Signed:  
Wayne Morris  
AFTRCC Telemetry Coordinator  
903-457-6949

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

From: Sanchez, Edwin (Ed) CIV USARMY HQDA CIO G-6 (US) [mailto:[edwin.sanchez1.civ@mail.mil](mailto:edwin.sanchez1.civ@mail.mil)]  
Sent: Monday, December 16, 2013 2:22 PM  
To: Morris, Wayne L @ ISG - MID; Sanchez, Luis G (Guillo) CIV USARMY HQDA CIO G-6 (US)  
Cc: [dhankins@cessna.textron.com](mailto:dhankins@cessna.textron.com); [darryl.j.holtmeyer@boeing.com](mailto:darryl.j.holtmeyer@boeing.com)  
Subject: RE: AFTRCC ICN 1579-13/4975 (Univ. of KS XT/Sense&Avoid Radar Small UAV-Lawrence, KS) (UNCLASSIFIED)

Classification: UNCLASSIFIED  
Caveats: FOUO

AFMO US&P CONCURS WITH AFTRCC ICN 1579-13/4975 (Univ. of KS XT/Sense&Avoid Radar Small UAV-Lawrence, KS). Your coordination number is: AFMO140007.

Thanks!

Ed Sanchez  
210-221-2050

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

From: [wayne.morris@L-3com.com](mailto:wayne.morris@L-3com.com) [mailto:[wayne.morris@L-3com.com](mailto:wayne.morris@L-3com.com)]  
Sent: Monday, December 16, 2013 8:09 AM

To: Sanchez, Luis G (Guillo) CIV USARMY HQDA CIO G-6 (US)  
Cc: Sanchez, Edwin (Ed) CIV USARMY HQDA CIO G-6 (US);  
[dhankins@cessna.textron.com](mailto:dhankins@cessna.textron.com); [darryl.j.holtmeyer@boeing.com](mailto:darryl.j.holtmeyer@boeing.com)  
Subject: AFTRCC ICN 1579-13/4975 (Univ. of KS XT/Sense&Avoid Radar Small UAV-Lawrence, KS)

AFTRCC conditionally concurs with University of Kansas proposal and requests  
DOD AFMO-US&P concurrence on same as detailed below.

Applicant:

University of Kansas

1530 West 15th Street, 2120 Learned Hall

Lawrence, KS 66045

POC: George Blake (913-548-6556/[grblake@ku.edu](mailto:grblake@ku.edu))

Frequencies: 1445.0 MHz-1460.0 MHz

Station Class: XT/MOEA

Emission: 15M0FXN

Power: 500mW (Peak)

Location: Lawrence, KS (39-00-40N 95-12-59W)

MIRAD: 100 miles (161KM)

Operating Altitude: 500-10,000 AGL

Dates: 2013-12-17 thru 2105-12-17 (intermittent usage)

AFTRCC comments: Strict non interference basis to Aeronautical Mobile Telemetry (AMT), subject to cancellation for the same. Applicant is hereby advised that AFTRCC will not give favorable coordination for any operational UAV/UAS operations in the band requested for experimental usage.

Prior coordination with Wichita Area Flight Test Radio Coordinating Council (WAFTRCC) (620-332-0432) and The Boeing Company Spectrum Mgt Office St Louis, MO. (314-545-2503) required prior to each usage due to potential radio line-of-sight to Wichita and St Louis AMT operations.

Statement of usage: The frequency will be used by a radar transmitter transmitting from a Cessna 172 aircraft and receiving tracking data from other airborne targets. No UAV's or UAS's are intentionally involved in testing. Data will be collected by the aircraft and not transmitted to a ground station.

Please reply via return email as to concurrence, non concurrence, scheduling, or additional comments.

Signed:

Wayne Morris

AFTRCC Telemetry Coordinator

903-457-6949

Classification: UNCLASSIFIED

Caveats: FOUO