

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION

EXPERIMENTAL
(Nature of Service)

WA2XNA
(Call Sign)

XR MO
(Class of station)

S-2988-EX-97
(File number)

NAME UNIVERSITY OF OKLAHOMA
various locations in Florida Keys, Gulf & southeastern states
(Locations of station)

Special Temporary Authority is hereby granted to operate the radio transmitting apparatus described below:

Frequency (MHz)	Authorized Power (ERP)	Emission Designator
9300-9400	10 GW	2M00P0N

Purpose of Operation: Use of weather radars to study marine boundary layer and landfalling hurricanes.

Special Conditions: In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

The station identification requirements of Section 5.152 of the Commission's Rules are waived.

This special temporary authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This special temporary authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control by the Government of the United States conferred by Section 706 of the Communications Act of 1934.

This authorization effective August 16, 1997 and
will expire 3:00 A.M. EST. October 16, 1997



5-2988-EX-97

rev'd 7-9-97



The University of Oklahoma

58021297 → PWS

08 July 1997

SCHOOL OF METEOROLOGY

Federal Communications Commission
Experimental Licensing Branch, Suite 230
200 M Street NW
Washington, DC 20554

Dear Sirs:

5802-97

This letter is a request for a Special Temporary Authority for two mobile weather radar systems. We have submitted FCC Form 442 (attached), but have been told that this may take 60 days to process. We plan two experiments that require frequency authorization before this time.

1. Coastal Marine Research Program: In support of the Office of Naval Research grant N000 14-96-1-1112, Observations and Modeling of the Marine Boundary Layer.

We request authorization to transmit at 9.360 and 9.380 GHz at 250 kW peak power with 250 W mean power at varying locations in the Florida Keys during the period 16-23 August 1997. Our weather radar systems are described in form 442, including the use of ~40dB gain antennas (~1° beamwidth) with maximum heights above the ground < 6 meters.

The purpose of this activity is to observe the marine boundary layer near the Florida Keys.

2. Hurricanes at Landfall Experiment: In support of a pending grant from the National Science Foundation.

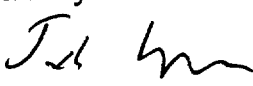
We request authorization to transmit from the same systems as above at various locations in the Southeastern and Gulf States during the period 16 August - 15 October 1997.

The purpose of this activity is to observe landfalling hurricanes.

The radars are tunable within the 9.3-9.4 GHz range (and beyond). If 9.360 GHz and 9.380 GHz are problematical, we could operate in nearby frequency bands.

If any further information is needed, please contact me at 405-325-0589 or jwurman@ou.edu

Thank you for considering this request.

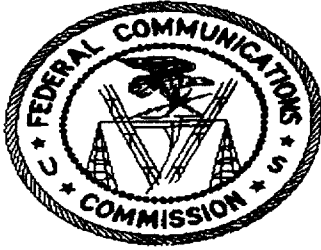

Joshua Wurman
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Norman, OK 73019
405-325-0589
jwurman@ou.edu

31 JUL 16, 1997
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**FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF ENGINEERING AND TECHNOLOGY**

2000 M STREET, N.W., SUITE 230
WASHINGTON, D.C. 20554

August 13, 1997 9 07 am

FROM: Carl Huie

Telephone: (202) 418-2430
Fax #: (202) 418-1918

TO:

Name: Joshua Wurman, #1422
Organization: UNIV. OF OKLAHOMA-SCHOOL OF METEOROLOGY
Telephone: (405) 325-0589 X
Fax #: (405) 325-7689

This cover sheet is page 1 of 2 pages

COMMENTS:

Authorization in mail.