

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WF9XQI

(Call Sign)

XD FX

(Class of Station)

0321-EX-ST-2012

(File Number)

NAME Rincon Research Corporation

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 the Government of the United States conferred by Section 706 of the Communications Act of 1934.

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

Purpose Of Operation:

The purpose of this operation is to make a series of phase-coherent measurements to characterize the temporal variability associated with NVIS propagation channels. The

Station Locations

(1) Tucson (PIMA), AZ - NL 32-13-26; WL 100-31-51

Frequency Information

Tucson (PIMA), AZ - NL 32-13-26; WL 100-31-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4-12 MHz	FX	30K0G1N	150 W (ERP)	

Special Conditions:

- (1) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

This authorization effective May 15, 2012 and
will expire 3:00 A.M. EST October 15, 2012

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (3) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir @ sbe.org; information, www.sbe.org.

- (4) Licensee must notch out the following frequencies +/- 1.4 kHz:

2174.5 kHz, 2183.4 kHz, 2187.5 kHz, 3024.4 kHz, 3054.4 kHz, 3120.4 kHz, 3123.4 kHz, 4126.4 kHz, 4177.5 kHz, 4616 kHz, 5681.4 kHz, 5694.4 kHz, 5697.4 kHz, 5805 kHz, 5911 kHz, 6216.4 kHz, 6288 kHz, 6517.4 kHz, 8292.4 kHz, 8981.4 kHz, 8984.4 kHz, 9327 kHz, and 9433.5 kHz.

- (5) Operation must notch out the following frequencies and/or frequency bands:

- a. Standard Time and Frequency Transmissions:

2495 - 2505 kHz

4995 - 5005 kHz

9995 - 1005 kHz.

- b. Aeronautical Mobile R Bands:

4650 - 4700 kHz

5450 - 5680 kHz

6525 - 6685 kHz

8815 - 8965 kHz

10005 - 10100 kHz

11275 - 11400 kHz

- (6) The designated point-of-contact to terminate transmissions if interference occurs is Mr. Evan Iverson at (520) 990-6140.