

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

EXPERIMENTAL

(Nature of Service)

WF9XQI

(Call Sign)

XT FX

(Class of Station)

0778-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:

To make a series of phase-coherent measurements to characterize the temporal variability associated with NVIS propagation channels.

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 November 15, 2012 and
will expire 3:00 A.M. EST April 15, 2013

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (3) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9102 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) The designated point-of-contact to terminate transmissions if interference occurs is Mr. Evan Iverson at (520) 990-6140.
- (5) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization Under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.
- (6) Rincon Research must notch out the following frequencies and or bands:
 - a. 2850 – 3025 kHz band
 - b. 3400 – 3500 kHz band
 - c. K4126.4
 - d. K4177.5
 - e. K4317.4
 - f. K4427.4
 - g. 4650 – 4700 kHz band
 - h. 4995 – 5005 kHz band
 - i. 5450 – 5680 kHz band
 - j. K5681.4
 - k. K5694.4
 - l. K5697.4
 - m. K6216.4
 - n. K6268.0
 - o. K6502.4
 - p. K6517.4
 - q. 6525 – 6685 kHz band
 - r. K8292.4
 - s. K8503.4
 - t. K8765.4
 - u. 8815 – 8965 kHz band
 - v. K8981.4
 - w. K8984.3
 - x. 9995 – 10100 kHz band
 - y. 11275 – 11400 kHz band
 - z. K12779.4
 - aa. 13260 – 13360 kHz band
 - bb. 17900 – 17970 kHz band
 - cc. 21924 – 22000 kHz band