

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WQ9XQH

(Call Sign)

0949-EX-ST-2020

(File Number)

NAME NIC4, Inc.

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:

Demonstrate and test a US Government-sponsored 4.6m Hub Antenna System

Station Locations

- (1) Edwardsville (MADISON), IL - NL 38-46-13; WL 90-03-35
- (2) Caddo Mills (HUNT), TX - NL 33-08-23; WL 96-16-35

Frequency Information

Edwardsville (MADISON), IL - NL 38-46-13; WL 90-03-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
13.8-14.5 GHz	FX	17M0G7D 1M70G7D	34.6 MW (ERP)	0.03 %

This authorization effective July 07, 2020 and
will expire 3:00 A.M. EST January 01, 2021

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Frequency Information

Caddo Mills (HUNT), TX - NL 33-08-23; WL 96-16-35

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
13.8-14.5 GHz	FX	17M0G7D 1M70G7D	34.6 MW (ERP)	0.03 %

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) 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.
- (3) The stop buzzer: William Harrington
Phone: 703-929-3058
Email: bill.harrington@nic4.com
- (4) Point of communication: Intelsat License LLC's Galaxy 28 @ 89.0° W.L. (Call Sign S2160), Satélites Mexicanos S.A. de C.V.'s Eutelsat 113WA @ 113° W.L. (Call Sign S2695)

Communications between the 4.6 meter hub earth station and the Galaxy 28 and Eutelsat 113WA space stations must be in accordance with Section 25.212(c)(2) unless the satellite operator permits transmissions at a higher power

- (5) NIC4, Inc. must notch out the 13.75-13.8 GHz frequency band to prevent harmful interference to government operations.