

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

EXPERIMENTAL

(Nature of Service)

WR9XRT

(Call Sign)

XT FX MO

(Class of Station)

0280-EX-ST-2021

(File Number)

NAME Electric Power Research Institute

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 the testing is to determine if RLAN devices can produce harmful interference to an incumbent licensed microwave receiver. The exercise will test several scenarios of the two

Station Locations

- (1) Columbus, GA - NL 32-28-48; WL 84-59-28; MOBILE: Approx 5 km radius in the front of station WPNC893, within 5 km, centered around NL 32-28-48; WL 84-59-28

Frequency Information

Columbus, GA - NL 32-28-48; WL 84-59-28; MOBILE: Approx 5 km radius in the front of station WPNC893, within 5 km, cente

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.925-6.425 GHz	MO	160MGXW	4 W (ERP)	0.002 %
		80M0GXW		
		40M0GXW		
		20M0GXW		
		160MGXW		
		80M0GXW		
		40M0GXW		
		20M0GXW		

This authorization effective March 22, 2021 and
will expire 3:00 A.M. EST September 18, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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		20M0GXW		
		160MGXW		
		80M0GXW		
		40M0GXW		
		20M0GXW		

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: Tim Godfrey
Phone: 6508558584
Email: tgodfrey@epri.com
- (4) Electric Power Research Institute must coordinate with the Fixed Microwave Service licensees in accordance with 47 C.F.R, Part 101.103(d) prior to operation in the proposed frequency bands.
- (5) For operation in the 5925-6425 MHz frequency band, the maximum output power from the outdoor access points must not exceed 1 watt (30 dBm) and the maximum EIRP must not exceed 36 dBm (3.981072 W). In addition, the maximum power spectral density shall not exceed 23 dBm in any 1 megahertz band.
- (6) For operation in the 5925-6425 MHz frequency band, the radiated power from outdoor access points must not exceed 21 dBm EIRP at angles of more than 30 degrees above the horizon to protect satellite receivers.