

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

EXPERIMENTAL

(Nature of Service)

WM9XSN

(Call Sign)

XT FX

(Class of Station)

0788-EX-ST-2018

(File Number)

NAME Radio Physics Solutions

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:

This test will be a demonstration of the ability of this technology to detect guns and explosives at a distance and a competition sponsored by Johnson Controls Inc for new security devices

Station Locations

(1) Milwaukee (MILWAUKEE), WI - NL 43-02-26; WL 87-54-56

Frequency Information

Milwaukee (MILWAUKEE), WI - NL 43-02-26; WL 87-54-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
75-76 GHz	FX	1G00F0F	13 W (ERP)	1.0E-6 %
77-100 GHz	FX	23G0F0F	13 W (ERP)	1.0E-6 %

Special Conditions:

- (1) 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 22, 2018 and
will expire 3:00 A.M. EST May 25, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (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 contact for this experiment is Michael Marcus, mjmarcus@marcusspectrum.com, 301-229-7714
- (4) Operation is permitted INDOOR ONLY.
- (5) Radio Physics Solution coordinate the operation with the other existing users in 75-76 GHz, 81-86 GHz and 92-95 GHz bands prior to operation in the proposed frequency bands.
- (6) Radio Physics must not operate in the 76-77 GHz band.
- (7) In accordance with US246, Radio Physics Solutions should have no expectations of automatic approval in the 86 – 92 GHz band in future submissions.