

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WN9XFU

(Call Sign)

1454-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 deal with the effectiveness of this technology when implemented in the 81-86 GHz band and used in typical commercial indoor environments to detect simulate security threats.

Station Locations

(1) Las Vegas (CLARK), NV - NL 36-07-52; WL 115-09-02

Frequency Information

Las Vegas (CLARK), NV - NL 36-07-52; WL 115-09-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
75-100 GHz	FX	25G0F0N	12 W (ERP)	1.0E-6 %
		25G0F0N		

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.

This authorization effective September 23, 2018 and
will expire 3:00 A.M. EST September 28, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (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 71-76 GHz, 81-86 GHz and 92-95 GHz bands prior to accessing to 75-100 GHz band.
- (6) Long term or multiple location use of passive bands is not possible, and future requests for operational use of the 86-92 GHz frequency band will not be considered in accordance with Footnote US246.
- (7) Radio Physics Solutions must notch out and not interfere with 71.38 - 73.62 GHz and 81.38 - 83.62 GHz due to ongoing operations in the requested area.