

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

EXPERIMENTAL

(Nature of Service)

WD9XCO

(Call Sign)

XT MO

(Class of Station)

0556-EX-ST-2007

(File Number)

NAME Trex Enterprises 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:

Testing, demonstrate, and experiment its mobile low power millimeter wave 3-D imaging radar system to detect and classify the presence of foreign object debris on airport runways.

Station Locations

- (1) MOBILE: Runways at Chicago Midway Airport (MDW), Chicago, IL, within 10 km, centered around NL 41-47-10; WL 87-45-09
- (2) MOBILE: Runways at Chicago O'Hare Airport (ORD), Chicago, IL, within 10 km, centered around NL 41-58-43; WL 87-54-17
- (3) MOBILE: Runways at Chicago Dupage Airport (DPA), West Chicago, IL, within 10 km, centered around NL 41-54-28; WL 88-14-55
- (4) MOBILE: Runways at Atlantic City International Airport (ACY), Atlantic City, NJ, within 10 km, centered around NL 39-27-27; WL 74-34-38
- (5) MOBILE: Runways at Theodore Francis Green State Airport (PVD), Providence, RI, within 10 km, centered around NL 41-43-26; WL 71-25-42
- (6) MOBILE: Runways at Zamperti Field Airport (TOA), Torrance, CA, within 10 km, centered around NL 33-48-12; WL 118-20-23
- (7) MOBILE: Runways at Seattle-Tacoma International Airport (SEA), Seattle, WA, within 10 km, centered around NL 47-26-56; WL 122-18-34
- (8) MOBILE: Runways at Portland International Airport (PDX), Portland, OR, within 10 km, centered around NL 45-35-19; WL 122-35-51
- (9) MOBILE: Runways at Los Angeles International Airport (LAX), Los Angeles, CA, within 10 km, centered around NL 33-56-33; WL 118-24-26
- (10) MOBILE: Runways at San Diego International Airport (SAN), San Diego, CA, within 10 km, centered around NL 32-44-01; WL 117-11-23

This authorization effective January 07, 2008 and
will expire 3:00 A.M. EST July 08, 2008

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Runways at Chicago Midway Airport (MDW), Chicago, IL, within 10 km, centered around NL 41-47-10; WL 87-45-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
78-81 GHz	MO	2G97F3N	3 kW (ERP)	

MOBILE: Runways at Chicago O'Hare Airport (ORD), Chicago, IL, within 10 km, centered around NL 41-58-43; WL 87-54-17

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
78-81 GHz	MO	2G97F3N	3 kW (ERP)	

MOBILE: Runways at Chicago Dupage Airport (DPA), West Chicago, IL, within 10 km, centered around NL 41-54-28; WL 88-14-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
78-81 GHz	MO	2G97F3N	3 kW (ERP)	

MOBILE: Runways at Atlantic City International Airport (ACY), Atlantic City, NJ, within 10 km, centered around NL 39-27-27; WL 74-34-38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
78-81 GHz	MO	2G97F3N	3 kW (ERP)	

Frequency Information

MOBILE: Runways at Theodore Francis Green State Airport (PVD), Providence, RI, within 10 km, centered around NL 41-43-26; WL 71-25-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
78-81 GHz	MO	2G97F3N	3 kW (ERP)	

MOBILE: Runways at Zamperti Field Airport (TOA), Torrance, CA, within 10 km, centered around NL 33-48-12; WL 118-20-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
78-81 GHz	MO	2G97F3N	3 kW (ERP)	

MOBILE: Runways at Seattle-Tacoma International Airport (SEA), Seattle, WA, within 10 km, centered around NL 47-26-56; WL 122-18-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
78-81 GHz	MO	2G97F3N	3 kW (ERP)	

MOBILE: Runways at Portland International Airport (PDX), Portland, OR, within 10 km, centered around NL 45-35-19; WL 122-35-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
78-81 GHz	MO	2G97F3N	3 kW (ERP)	

Frequency Information

MOBILE: Runways at Los Angeles International Airport (LAX), Los Angeles, CA, within 10 km, centered around NL 33-56-33;
WL 118-24-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
78-81 GHz	MO	2G97F3N	3 kW (ERP)	

MOBILE: Runways at San Diego International Airport (SAN), San Diego, CA, within 10 km, centered around NL 32-44-01;
WL 117-11-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
78-81 GHz	MO	2G97F3N	3 kW (ERP)	

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 expansion of this project must be pre-coordinated with the FAA spectrum office.