

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WN9XDW

(Call Sign)

1333-EX-ST-2018

(File Number)

NAME Raytheon Missile Systems

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 of UAS platform incorporating a new radio system.

Station Locations

- (1) MOBILE: Tucson, AZ, within 0.5 km, centered around NL 32-08-13; WL 110-55-21
- (2) MOBILE: Florence, AZ. airborne north and east of control point, within 15 km, centered around NL 33-04-29; WL 111-22-12
- (3) MOBILE: Yuma, AZ, within 15 km, centered around NL 33-04-26; WL 114-21-33

Frequency Information

MOBILE: Tucson, AZ, within 0.5 km, centered around NL 32-08-13; WL 110-55-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1.37-1.3875 GHz	MO		18.2 W (ERP)	
		3M03G1D		
		4M06D1D		
		6M10G1D		
		8M13D1D		
		12M1G1D		
		16M3D1D		
		3M85G1D		

This authorization effective August 15, 2018 and
will expire 3:00 A.M. EST February 15, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Tucson, AZ, within 0.5 km, centered around NL 32-08-13; WL 110-55-21

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1.37-1.3875 GHz	MO	7M70G1D 15M4G1D	18.2 W (ERP)	

MOBILE: Florence, AZ. airborne north and east of control point, within 15 km, centered around NL 33-04-29; WL 111-22-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1.37-1.3875 GHz	MO	3M03G1D 4M06D1D 6M10G1D 8M13D1D 12M1G1D 16M3D1D 3M85G1D 7M70G1D 15M4G1D	18.2 W (ERP)	

MOBILE: Yuma, AZ, within 15 km, centered around NL 33-04-26; WL 114-21-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1.37-1.3875 GHz	MO	3M03G1D 4M06D1D 6M10G1D 8M13D1D 12M1G1D 16M3D1D 3M85G1D 7M70G1D	18.2 W (ERP)	

Frequency Information

MOBILE: Yuma, AZ, within 15 km, centered around NL 33-04-26; WL 114-21-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1.37-1.3875 GHz	MO	15M4G1D	18.2 W (ERP)	

Special Conditions:

- (1) NTIA non-concurs with 32 MHz bandwidth at all three locations.
- (2) Raytheon Missile Systems must change the lower band edge from 1357.5 MHz to 1370 MHz
- (3) Raytheon Missile Systems shall ensure that the project is submitted by the military sponsor to NTIA SPS for certification.
- (4) Use at Florence Military Reservation requires coordination prior to use with DoD AFC AZ. Tel: (520) 538-6423, mark.k.rossow.civ@mail.mil
- (5) Use in the Yuma, AZ area requires coordination prior to use with the Yuma Proving Ground Spectrum Manager (928) 328-7144.
- (6) Indoor use at the Tucson Raytheon facility does not require prior coordination.