

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

EXPERIMENTAL

(Nature of Service)

WS9XJQ

(Call Sign)

XT MO

(Class of Station)

1069-EX-ST-2021

(File Number)

NAME Raytheon Company

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:

Demonstration of handheld wall penetrating radars

Station Locations

- (1) MOBILE: Jennings, IN. Muscatatuck Urban Training Center, within 1 km, centered around NL 39-02-59; WL 85-31-51
- (2) MOBILE: Jennings, IN Muscatatuck Urban Training Center, within 1 km, centered around NL 39-02-59; WL 85-31-51
- (3) MOBILE: Jennings, IN Muscatatuck Urban Training Center, within 1 km, centered around NL 39-02-59; WL 85-31-51

Frequency Information

MOBILE: Jennings, IN. Muscatatuck Urban Training Center, within 1 km, centered around NL 39-02-59; WL 85-31-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24.05-24.25 GHz	MO	50M0N0N 200MN0N	0.0067 W (ERP)	0.005 %

This authorization effective July 14, 2021 and
will expire 3:00 A.M. EST January 14, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Jennings, IN Muscatatuck Urban Training Center, within 1 km, centered around NL 39-02-59; WL 85-31-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
76-81 GHz	MO		0.005 W (ERP)	0.005 %
		100MN0N		
		500MN0N		
		1G00N0N		
		5G00N0N		

MOBILE: Jennings, IN Muscatatuck Urban Training Center, within 1 km, centered around NL 39-02-59; WL 85-31-51

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
902-928 MHz	MO		0.0025 W (ERP)	0.0025 %
		10M0K1N		
		20M0K1N		

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) Prior to commencing any operations, the licensee must obtain consent from the following within 50 miles of the contours of the testing area:
 - Location & Monitoring Service licensees (902-928 MHz)
- (3) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.