

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WG2XJL

(Call Sign)

0225-EX-ST-2018

(File Number)

NAME Raytheon SAS

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:

Raytheon SAS to demonstrate Sense and Avoid features of the Maingate Radio System.

Station Locations

(1) MOBILE: Muscatatuk, IN, within 40 km, centered around NL 39-03-05; WL 85-32-09

Frequency Information

MOBILE: Muscatatuk, IN, within 40 km, centered around NL 39-03-05; WL 85-32-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
420-450 MHz	MO	4M25F1D	5 W (ERP)	
902-928 MHz	MO	4M25F1D	5 W (ERP)	
1370-1390 MHz	MO	4M25F1D	5 W (ERP)	

This authorization effective March 20, 2018 and
will expire 3:00 A.M. EST April 01, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Operation is subject to consent of the following licensees within 50 miles of the test area:
 - Location & Monitoring Service licensees (902-928 MHz)
 - 1390-1392 MHz Band Licensees
 - 1392-1395 MHz/1432-1435 MHz Band licensees
- (4) Raytheon SAS L-band operations limited to 1370-1390 MHz per coordination on February 15, 2018 (NG T180101). NTIA will not consider renewal until SPS submission is sent for review by DOD sponsor