

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

EXPERIMENTAL

(Nature of Service)

WM9XKP

(Call Sign)

XT MO

(Class of Station)

1722-EX-ST-2017

(File Number)

NAME MDA Information Systems LLC

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:

Support IRAD development of an experimental radar and collection methods. Radar will be operated at ground level only to determine if experimental navigation techniques, radar data, and

Station Locations

- (1) MOBILE: Ypsilanti, MI. Asphalt surface with a 100 ft to 200 ft diameter, within 12 km, centered around NL 42-15-55; WL 83-38-39

Frequency Information

MOBILE: Ypsilanti, MI. Asphalt surface with a 100 ft to 200 ft diameter, within 12 km, centered around NL 42-15-55; WL 83-38-39

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10-10.68 GHz	MO	680MN0N	200 W (ERP)	
10.7-14 GHz	MO	3G30N0N	200 W (ERP)	

This authorization effective March 16, 2018 and
will expire 3:00 A.M. EST September 17, 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 prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at http://freq.sbe.org/pdf_files/coordinators.pdf to find the appropriate coordinator.
- (4) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (5) Prior to operation, licensee must notify the potentially-affected earth station operators that are located within a 30 mile radius of the experimental transmitter and obtain their written consent to the proposed operations. Consult MyIBFS database to identify all existing earth stations within a 30 mile radius for each proposed experimental area of operation. The coordinates of these stations are available at <http://www.fcc.gov/ib/sd/3650/grandftr.pdf>.
- (6) Licensee must avoid pointing the transmitting antenna within 15 degrees of any point on the Geostationary orbit arc while transmitting signals in the 10.7-14.0 GHz band.
- (7) Licensee must ensure that the transmitting antenna(s) main beam do not point above the horizon in order to protect satellite space stations operating in overlapping frequency bands.
- (8) With respect to proposed operation in the 10.70-10.95 GHz, 11.20-11.45 GHz, and/or 12.75-13.25 GHz bands, the proposed operation MUST take into account the applicable requirements of Appendix 30B of the ITU Radio Regulations (incorporated by reference, see §25.108) and it is compatible with other U.S. ITU filings under Appendix 30B.
- (9) Licensee is hereby notified that successful proof of concept testing in these frequency bands does not guarantee that Licensee will gain permanent licenses in these frequencies.
- (10) The stop buzzer contact for this project is DANIEL MCNEIL, Phone: 714-642-7485, Email: daniel.p.mcneil@boeing.com

Special Conditions:

- (11) Prior to the start of operations in the 11.7-12.2 GHz band, Licensee must notify the following FSS Earth Station license operators by e-mail. This notice must include the name and contact information of the stop buzzer personnel. It must also include the testing parameters and the day and times of the testing:

Licensee: The Regents of the University of Michigan (Call sign: E900080)
Contact: Mr Jerry P McCarty
Phone: 734-647-7175, E-Mail: microtv@umich.edu

Licensee: WMUZ Radio, Inc. (Call sign: E940067)
Contact: W C ALEXANDER
Phone: 3034330104, E-Mail: crisa@crawfordbroadcasting.com

Licensee: Broadcasting Holdings LLC (Call sign: E950157)
Contact: David Giles
Phone: 513-977-3000, E-Mail: dave.giles@scripps.com

Licensee: HNS License Sub, LLC (Call sign: E990170)
Contact: Jennifer Manner
Phone: 301-428-5893, E-Mail: jennifer.manner@echostar.com

- (12) Prior to the start of operations in the 12.2-12.75 GHz band, licensee must obtain a written consent from Dish Network, EchoStar and DirecTV/AT&T or remove the band. To request this consent, please contact:

Contact: Jack Wengryniuk
Company: Direct TV/AT&T
Email: JWengryniuk@DIRECTV.com

Contact: Jaime Londono
Company: EchoStar
Email: Jaime.londono@echostar.com

Contact: Mariam Sorond
Company: DISH Network
Email: Mariam.sorond@dish.com

- (13) 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.