

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WJ9XRM

(Call Sign)

0363-EX-ST-2016

(File Number)

NAME Star Dynamics Corp.

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:

Radar measurements of a target outside of a building.

Station Locations

(1) Hilliard (FRANKLIN), OH - NL 40-02-18; WL 83-08-13

Frequency Information

Hilliard (FRANKLIN), OH - NL 40-02-18; WL 83-08-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4-4.9 GHz	FX	400MM3N	2050 W (ERP)	0.01 %
5-5.582 GHz	FX	400MM3N	2050 W (ERP)	0.01 %
5.625-9 GHz	FX	400MM3N	2050 W (ERP)	0.01 %

This authorization effective April 11, 2016 and
will expire 3:00 A.M. EST October 08, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Hilliard (FRANKLIN), OH - NL 40-02-18; WL 83-08-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9.2-10.6 GHz	FX	400MM3N	1050 W (ERP)	0.01 %
10.7-15.35 GHz	FX	400MM3N	1050 W (ERP)	0.01 %
15.4-18 GHz	FX	400MM3N	1050 W (ERP)	0.01 %

Special Conditions:

- (1) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (2) 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.
- (3) In accordance with US246, the following frequency bands must be notched to protect NSF Radio Telescope operations.
4990 to 5000 MHz
10.6 to 10.7 GHz
15.35 to 15.4 GHz
- (4) The band 5582-5625 MHz must be notched to protect FAA weather instrumentation in the area.
- (5) Star Dynamics shall be aware that many of the requested bands are not allocated for this use and that in the future NTIA may require frequency bands to be notched to protect government operations.