

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WL2XMG

(Call Sign)

0031-EX-CN-2021

(File Number)

NAME Radio Physics Solutions

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(j k) of the Commission's Rules

Station Locations

- (1) East Rutherford (BERGEN), NJ - NL 40-48-48; WL 74-04-32
- (2) New York (KINGS), NY - NL 40-42-46; WL 74-00-21
- (3) Cypress (HARRIS), TX - NL 29-56-24; WL 95-39-11
- (4) Houston (HARRIS), TX - NL 29-48-37; WL 95-32-51
- (5) Kearns (SALT LAKE), UT - NL 40-39-20; WL 111-59-33
- (6) Mill Creek (SALT LAKE), UT - NL 40-42-04; WL 111-52-04

Frequency Information

East Rutherford (BERGEN), NJ - NL 40-48-48; WL 74-04-32

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
71-86 GHz	FX	15G0F0N	47 W (ERP)	

This authorization effective April 14, 2021 and
will expire 3:00 A.M. EST October 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
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Cypress (HARRIS), TX - NL 29-56-24; WL 95-39-11

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Kearns (SALT LAKE), UT - NL 40-39-20; WL 111-59-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
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Frequency Information

Mill Creek (SALT LAKE), UT - NL 40-42-04; WL 111-52-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
71-86 GHz	FX	15G0F0N	47 W (ERP)	

Special Conditions:

- (1) Prior to equipment authorization or a determination of compliance, the device must be accompanied by a conspicuous notice worded as follows: "This device has not been authorized as required by the rules of the Federal Communications Commission. This device is not, and may not be, offered for sale or lease, or sold or leased, until authorization is obtained."
- (2) 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.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (5) Licensee is required to ensure that trial devices are either rendered inoperable or retrieved by them from trial participants at the conclusion of the trial. Licensee is required to notify trial participants in advance that operation of the trial device is subject to this condition.
- (6) All transmitting and/or receiving equipment used in the study shall be owned by the licensee.
- (7) Radio Physics Solutions shall comply with the out of band emission limits specified in Resolution 750 (Rev.WRC-12) for Fixed operations in the 81-86 GHz frequency band.
- (8) Radio Physics Solutions must notify licensees of registered links when the installation has a direct line of sight to a registered 71-86 GHz band.
- (9) Licensee must take measures (e.g., power reduction, antenna pointing, distance separation, etc.) to ensure no harmful interference to vehicular radars which may operate on roadways, parking lots/garages, etc.