

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WL2XFR

(Call Sign)

0734-EX-CN-2020

(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) of the Commission's Rules

Station Locations

- (1) East Rutherford (BERGEN), NJ - NL 40-48-48; WL 74-04-33
- (2) New York (KINGS), NY - NL 40-42-46; WL 74-00-22
- (3) Cypress (HARRIS), TX - NL 29-56-24; WL 95-39-12
- (4) Houston (HARRIS), TX - NL 29-48-37; WL 95-32-52
- (5) Kearns (SALT LAKE), UT - NL 40-39-20; WL 111-59-34
- (6) Mill Creek (SALT LAKE), UT - NL 40-42-04; WL 111-52-05

Frequency Information

East Rutherford (BERGEN), NJ - NL 40-48-48; WL 74-04-33

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

This authorization effective October 06, 2020 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 (+/-)
71-86 GHz	FX	15G0F0N	47 W (ERP)	

Cypress (HARRIS), TX - NL 29-56-24; WL 95-39-12

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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 111-52-05

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

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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 licensee must coordinate with all of the existing registered links in 71-76 GHz and 81-86 GHz bands in each proposed location prior to commencing the test and demonstration operations.
- (5) 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.
- (6) The designated point-of-contact to terminate transmissions if interference occurs is Alan Whitfield at +44 7967 053133.