

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

EXPERIMENTAL

(Nature of Service)

WO9XUV

(Call Sign)

XT FX

(Class of Station)

1126-EX-ST-2019

(File Number)

NAME Red Research Group, 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:

Demonstration of small antennas for Iridium and cellular applications.

Station Locations

(1) College Station (BRAZOS), TX - NL 30-35-35; WL 96-21-55

Frequency Information

College Station (BRAZOS), TX - NL 30-35-35; WL 96-21-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1616-1626 MHz	FX	1M00H3A	1 W (ERP)	1 %

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (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.

This authorization effective July 15, 2019 and
will expire 3:00 A.M. EST July 19, 2019

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COMMISSION**



Special Conditions:

- (3) Red Research Group, LLC is authorized to conduct tests on antennas using the 1617.775-1626.5 MHz frequency band. The operations are subject to the following conditions:
 - a. POINT OF COMMUNICATION: Iridium's NGSO (non-geostationary orbit space stations) satellites (call sign S2110).
 - b. licensee is authorized to operate station(s) in the 1617.775-1618.725 MHz frequency band via Iridium's NGSO satellites for mobile-satellite service on a shared basis with Globalstar system.
 - c. licensee is authorized to operate station(s) in the 1618.725-1626.5 MHz frequency band via Iridium's NGSO satellites for mobile-satellite service on an exclusive basis.
 - d. Iridium's use of the 1617.775-1626.5 MHz frequency band is subject to Section 25.213 and footnote 5.372 of the Table of Frequency Allocation, which require protection of stations in the radio astronomy service operating in the band 1610.6-1613.8 MHz band.
- (4) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (5) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.