

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WS9XPY

(Call Sign)

1330-EX-ST-2021

(File Number)

NAME Kuiper 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:

Amazon proposes to conduct testing of prototype antennas at indoor labs.

Station Locations

- (1) Redmond, WA - NL 47-40-26; WL 122-05-43
- (2) Redmond, WA - NL 47-40-26; WL 122-05-43
- (3) Redmond, WA - NL 47-40-26; WL 122-05-43
- (4) Redmond, WA - NL 47-40-22; WL 122-05-39
- (5) Redmond, WA - NL 47-40-22; WL 122-05-39
- (6) Redmond, WA - NL 47-40-22; WL 122-05-39

Frequency Information

Redmond, WA - NL 47-40-26; WL 122-05-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
17.8-19.3 GHz	FX	100MD7W	1 W (ERP)	0.001 %
19.3-19.305 GHz	FX	3M75D7W	1 W (ERP)	0.001 %

This authorization effective September 01, 2021 and
will expire 3:00 A.M. EST February 23, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
19.374-19.4 GHz	FX	1K00N0N	1 W (ERP)	0.001 %
19.5-20 GHz	FX	480MD7W	1 W (ERP)	0.001 %
27.5-27.505 GHz	FX	3M75D7W	1 W (ERP)	0.001 %
28.5-29 GHz	FX	15M9D7W	1 W (ERP)	0.001 %
29.5-30 GHz	FX	480MD7W	1 W (ERP)	0.001 %

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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) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at <http://sbe.org/wp-content/uploads/freqcoor.pdf> to find the appropriate coordinator.
- (3) Testing of prototype antennas is limited to indoor labs on Kuiper's campus, in Redmond, Washington.
- (4) Licensee shall provide a 14 day prior notification of their testing to the Upper Microwave Flexible Use Service licensees in the proposed area prior to accessing to 27.5-27.505 GHz band. If any interference occurs, the licensee of this authorization will be subject to immediate shut down until any interference issues are resolved.
- (5) Coordinate with the Fixed Microwave Service licensees in each proposed venue in accordance with 47 C.F.R, Part 101.103(d) prior to commencing the test operations.
- (6) 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.
- (7) This license SUPERSEDES the previously issued license with the same call sign and file number: to amend special condition (4).