

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WS9XCU

(Call Sign)

0698-EX-ST-2021

(File Number)

NAME Johns Hopkins Applied Physics Lab

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:

Test a wideband Ka-band user terminal with multiple USG and commercial relay services.

Station Locations

(1) Laurel (HOWARD), MD - NL 39-09-56; WL 76-53-56

Frequency Information

Laurel (HOWARD), MD - NL 39-09-56; WL 76-53-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
26.992-27.208 GHz	FX	216MG7D 300KG7D	158.5 kW (ERP)	5.0E-6 %
28.601-28.817 GHz	FX	216MG7D 300KG7D	224 kW (ERP)	5.0E-6 %

This authorization effective June 01, 2021 and
will expire 3:00 A.M. EST December 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



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.
- (3) Licensee must coordinate with the Fixed Microwave Service licensees in accordance with 47 C.F.R, Part 101.103(d) prior to operation in 28.601-28.817 GHz band.
- (4) Licensee is authorized to conduct tests on an Avl 85 cm antenna to track the SES/O3b Ka-band NGSO satellites in the 28.601-28.817 GHz Frequency band.
- (5) Point of Communication: SES/O3b's Ka-band NGSO satellites (S2935)
- (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.