

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WK2XYS

(Call Sign)

0285-EX-CN-2020

(File Number)

NAME SES Americom, Inc.

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(e) of the Commission's Rules

Station Locations

- (1) Manassas, VA - NL 38-46-58; WL 77-34-22
- (2) Port St Lucie, FL - NL 27-16-55; WL 80-28-59

Frequency Information

Manassas, VA - NL 38-46-58; WL 77-34-22

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
14-14.5 GHz	FX	128KG7D 1M00G7D	30408.85 W (ERP)	0 %

Port St Lucie, FL - NL 27-16-55; WL 80-28-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
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This authorization effective May 13, 2020 and
will expire 3:00 A.M. EST May 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The station is authorized to conduct tests in the 14.0-14.5 GHz (Earth-to-space) frequency band and is subject to the following conditions:
 - a. POINT OF COMMUNICATION: SES-1 @ 101 WL (S2807) and other Ku-band satellites on the FCC approved space station List.
 - b. The input power spectral density into the antenna must not exceed -14 dBW/4 kHz.
 - c. The stations are authorized, on a non-protected and non-harmful interference basis, to transmit to the geostationary-orbit space stations using the 14.0-14.5 GHz frequency band that are authorized by the Commissions. The stations authorized herein must immediately terminate operations upon notification that such operation is causing harmful interference to any other radio system lawfully operating in the 14.0-14.5 GHz frequency band. The stations authorized herein cannot claim protection from harmful interference from any radio system lawfully operating in the 14.0-14.5 frequency band.
- (4) All operations are on a strict non-interference basis.
- (5) Notification shall be provided to the NASA GSFC Spectrum Office at NASA-DL-GSFC-SPECTRUM-MANAGEMENT@MAIL.NASA.GOV, at least 3 days prior to operation.
- (6) Operation on this assignment is subject to immediate cessation, if it causes harmful interference to NASA OPS assignments.