

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

EXPERIMENTAL

(Nature of Service)

WL2XFJ

(Call Sign)

XT FX MO

(Class of Station)

0061-EX-CM-2021

(File Number)

NAME EchoStar Global Australia Pty Ltd.

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) MOBILE: CONUS and territorial coastal waters
- (2) Englewood (ARAPAHOE), CO - NL 39-34-35; WL 104-52-03
- (3) Germantown (MONTGOMERY), MD - NL 39-10-41; WL 77-14-49

Frequency Information

MOBILE: CONUS and territorial coastal waters

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2000-2020 MHz	MO	10M0G1D	25.12 W (ERP)	0.00025 %
2000-2020 MHz	MO	1K00G1D	25.12 W (ERP)	0.00025 %
2000-2020 MHz	MO	10M0G1D 1K00G1D	25.12 W (ERP)	0.00025 %

This authorization effective July 09, 2021 and
will expire 3:00 A.M. EST February 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Englewood (ARAPAHOE), CO - NL 39-34-35; WL 104-52-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2000-2020 MHz	FX	10M0G1D 1K00G1D	89.13 W (ERP)	0.00025 %

Germantown (MONTGOMERY), MD - NL 39-10-41; WL 77-14-49

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2000-2020 MHz	FX	10M0G1D 1K00G1D	34435 W (ERP)	0.00025 %

Special Conditions:

- (1) Prior to equipment authorization or a determination of compliance, the device must be accompanied by a conspicuous notice worded as follows: "This device has not been authorized as required by the rules of the Federal Communications Commission. This device is not, and may not be, offered for sale or lease, or sold or leased, until authorization is obtained."
- (2) All customers participating in the experiment shall be informed that this operation is for experimental purposes only and can be cancelled at any time.
- (3) All transmitting and/or receiving equipment used in the study shall be owned by the licensee.
- (4) Licensee is required to ensure that trial devices are either rendered inoperable or retrieved by them from trial participants at the conclusion of the trial. Licensee is required to notify trial participants in advance that operation of the trial device is subject to this condition.
- (5) Point of Communication: EG-1, EG-2, EG-3 and Pathfinder II satellite. EG-3 satellite altitude is not to exceed 650 km at any time.
- (6) This is for experimental purpose only and does not permit commercial service or market access.
- (7) Licensee should be aware that the other stations may be authorized on these frequencies and if any harmful interference occurs, the licensee of this authorization will be subject to immediately shut down.
- (8) Licensee must successfully secure consents from all incumbent Advanced Wireless Service licensees in the 2000-2020 MHz band in each corresponding proposed venue prior to conducting the experimental operations.