

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

EXPERIMENTAL

(Nature of Service)

WL2XTN

(Call Sign)

XT FX

(Class of Station)

0295-EX-CN-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) Germantown (MONTGOMERY), MD - NL 39-10-41; WL 77-14-49

Frequency Information

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

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5150-5250 MHz	FX	10M0G1D	54.67 W (ERP)	0.00025 %
		1K00G1D		
		156KG1D		
		2M50G1D		

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) The occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) This is for experimental purpose only and doesn't permit commercial service or market access.

This authorization effective July 20, 2021 and
will expire 3:00 A.M. EST August 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (4) Licensee is authorized to conduct tests on an experimental 2.4m gateway earth station in the 5150-5250 MHz band via EG-1, EG-2, EG-3 and Pathfinder II satellite pursuant to Australian Communications and Media Authority's authorization and International Telecommunication Union filings for the SIRION-1 network.
- (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 (Australian-licensed non-geostationary orbit ("NGSO") mobile satellite service ("MSS") system) (see File No. 0061-EX-CM-2021 for the approval of EG-3 and Pathfinder II satellite)
- (6) Stop Buzzer POC Information
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