

Applicant: Telesat Network Services, Inc  
Call Sign: Not Applicable  
File No.: SES-STA-20200918-01029

Telesat Network Services, Inc (TNSI) was granted special temporary authority for 30 days beginning September 27, 2020, to operate a transmit-only earth station antenna and a receive-only earth station antenna located at the TNSI teleport in Mt. Jackson, Virginia, at 38° 43' 47" N, 78° 39' 29" W, with the LEO 1 (S2976) space station operating within a 1000 km circular orbit to a 425 x 975 km elliptical NGSO orbit inclined to 99.5°, in the 29.0-29.1 GHz (Earth-to-space) and 19.2-19.3 GHz (space-to-Earth) frequency bands to conduct testing and demonstration under the following conditions:

1. Operations must comply with coordination agreement with the U.S. federal government under footnote US334 of the United States Table of Frequency Allocations and with the National Radio Astronomy Observatory.

2. Communications between the Mt Jackson station and Telesat space stations must comport with all existing and future space station coordination agreements reached between Canada and other administrations. In the absence of a coordination agreement, such communications must comport with applicable provisions of the ITU Radio Regulations.

4. All operations under this grant of STA shall be on an unprotected, non-harmful interference basis. TNSI shall not cause harmful interference to and shall not claim protection from interference caused to it by, any other lawfully operating radio communication system.

5. In the event of any harmful interference TNSI shall cease operations immediately upon notification of such interference, and shall immediately inform the Commission, in writing, of such an event.

6. Current 24x7 contact information for this operation is Paul Schweitzer at Mobile: 301-401-4441, Mt. Jackson Teleport (Business Hours): 540-477-5520, Telesat Call Centre (24/7 Access): 1-800-265-3076

7. The licensee shall take all necessary measures to ensure that the antenna does not create potential exposure of humans to radiofrequency radiation in excess of the FCC exposure limits defined in 47 CFR 1.1307(b) and 1.1310 wherever such exposures might occur. Measures must be taken to ensure compliance with limits for both occupational/controlled exposure and for general population/uncontrolled exposure, as defined in these rule sections. The FCC's OET Bulletin 65 (available on-line at [www.fcc.gov/oet/rfsafety](http://www.fcc.gov/oet/rfsafety)) provides information on predicting exposure levels and on methods for ensuring compliance, including the use of warning and alert signs and protective equipment for workers.

8. Grant of this STA is without prejudice to any determination that the Commission may make

regarding pending applications.

9. Any action taken, or expense incurred as a result of operations pursuant to this STA is solely at TNSI's risk.