

**Application for Special Temporary Authority  
Satellite Carrier Monitor System Operation Earth Stations**

Ligado Networks Subsidiary LLC (“Ligado”), pursuant to Section 25.120 of the Commission’s rules, hereby requests that the Commission extend a special temporary authority (“STA”) for 60 days, commencing on September 21, 2026 and ending on November 20, 2026, to run test measurements (transmission and reception) from one earth station to determine whether it will proceed with the movement of a Satellite Carrier Monitor System (“SCMS”) Operation earth station from the current location to a new location in the State of Virginia. Ligado operates 9 SCMS earth stations in CONUS and one in Hawaii.<sup>1</sup>

This extension is necessary during the pendency of Ligado’s application to modify its SCMS earth station authorization, which was filed with the Commission on May 11, 2026 and was accepted for filing on May 27, 2026.<sup>2</sup> Ligado has already applied for and received two STAs related to this project.<sup>3</sup>

Ligado’s SCMS earth stations are part of Ligado’s MSS system and transmit test carriers to and monitor the carriers being received from the satellite. Ligado’s SCMS earth stations link to Ligado’s SkyTerra-1 satellite located at 101.3° W.L., and transmit and receive signals within the various beams distributed across the entire United States (CONUS and OCONUS). As such, SCMS sites must also be geographically distributed across the United States.

The test measurements under this STA would be conducted from an earth station located at H5 Data Center 470 Springpark Place, Herndon, VA, 20170 (the “New Earth Station”). This earth station is intended to replace the already authorized earth station, installed at 10802 Parkridge Boulevard, Reston, VA, 2019 (the “Existing Earth Station”). This STA will help evaluate the possible relocation of its SCMS earth station from existing Reston location to New Herndon location for operational flexibility and reliability.

The New Earth Station would be technically identical to the Existing Earth Station. As the distance between the two locations is only 4 km, the frequency band, signal bandwidth, modulation, power and EIRP will remain the same, the ground level AMSL and the antenna elevation Above the Ground Level (AGL) are approximately the same therefore there will be no change in the antenna azimuth and elevation, and nothing is expected to be changed from the coexistence with other spectrum adjacent services point of view.

In short, as the New Earth Station would not have any impact on interference or protection, Ligado respectfully requests that the Commission grant the instant application on an expedited basis.

Grant of the requested STA will allow Ligado’s to evaluate whether the two supplementary sites

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<sup>1</sup> See ICFS File No. SES-MOD-20241104-02324 (Call Station E100051).

<sup>2</sup> See ICFS File No. SES-MOD-20260506-01256 (Call station E100051); Public Notice, *Satellite Communications Services RE: Applications Accepted for Filing*, Report No. SES-02865 (rel. May 27, 2026) at 2-6.

<sup>3</sup> See ICFS File No. SES-STA-20260220-00927 (granted April 15, 2026); ICFS File No. SES-STA-20260604-01563 (granted July 23, 2026).

are appropriate for the scope of improving the quality of SkyTerra-1 coverage monitoring. If the test measurements validate the sites, Ligado will file a modification of its existing SCMS Earth Station license, Call Sign E100051, to add the New Earth Station and plans to do so before the expiration of this STA.

The New Earth Station will operate in the Ligado's authorized frequency bands and the technical parameters will be similar to the parameters already authorized for the existing 9 SCMS Earth Stations. The characteristics of the New and Existing Earth Stations are described in the attachment.

To date during the current period under which Ligado has operated under STAs (since April 15, 2026) no interference has been reported to or experienced by Ligado relative to the New Earth Station.

Ligado will operate pursuant to the STA on a non-protected, non-harmful interference basis. In the unlikely event of harmful interference caused by Ligado's operations under the STA, Ligado will take steps to eliminate such interference, including termination of transmissions if needed. The U.S. point of contact available 24 hours a day, seven days a week, with authority and ability to cease emissions is:

10802 Parkridge Boulevard  
Reston, VA 20191  
Tel: 703-390-2755

## Attachment

### New SCMS Site

#### Address:

H5 Data Center, 470 Springpark Place,  
Herndon, Fairfax, VA 20170  
Latitude: **38° 57' 44.4" N**  
Longitude: **77° 22' 38.2" W**  
Site elevation: 109.3 meters  
Point of Communication: 101.3W  
Antenna Height above ground level: 7.3 meters  
Antenna Elevation: 38.5°  
Antenna Azimuth: 215.2°

#### Antenna parameters:

Manufacturer: Westinghouse  
Model Number: AU-10 FS  
Diameter: 0.76 meters  
Frequency band: 1525 – 1660.5 MHz  
Antenna gain: Typical 20 dBi  
                  @1525.0 MHz: 19.5 dBi  
                  @1660.5 MHz: 20.2 dBi  
3dB Beamwidth Vertical and Horizontal: 15°

#### Signal characteristics:

Maximum aggregated output EIRP for all carriers: 16.5 dBW

Maximum total input power at antenna flange: 0.43 W

#### Particulars of Operations

|    | Frequency<br>[MHz] | Polarization | Emission | Tx/Rx | Max EIRP<br>dBW | Service                       |
|----|--------------------|--------------|----------|-------|-----------------|-------------------------------|
| 1) | 1626.5-1660.5      | R            | 1H00N0N  | Tx    | 16.5            | Unmodulated signal            |
| 2) | 1626.5-1660.5      | R            | 5K00G9W  | Tx    | 16.5            | 4800 BPS QPSK<br>data carrier |
| 3) | 1525.0-1559.0      | R            | 5K00G9W  | Rx    | -               | 4800 BPS QPSK<br>data carrier |

## Existing SCMS Site

### Address:

Ligado Headquarters, 10802 Parkridge Boulevard,  
Reston, Fairfax, VA 2019  
Latitude: 38° 56 ' 42 " N  
Longitude: 77° 19 ' 09 W  
Site elevation: 100 meters  
Point of Communication: 101.3W  
Antenna Height above ground level: 7.5 meters  
Antenna Elevation: 38.5°  
Antenna Azimuth: 215.2°

### Antenna parameters:

Manufacturer: Westinghouse  
Model Number: AU-10 FS  
Diameter: 0.76 meters  
Frequency band: 1525 – 1660.5 MHz  
Antenna gain: Typical 20 dBi  
                  @1525.0 MHz: 19.5 dBi  
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