

**Purpose for Modification**  
**Application File Number: 0271-EX-CM-2021**  
12/10/2021

CesiumAstro, Inc. (“Cesium”), licensee of experimental authority under Call Sign WL2XOX, respectfully seeks to modify its experimental license (File Number 0184-EX-CM-2021) for the following purpose:

1. Add seven S-band ground stations, located outside the United States, to perform uplink and downlink TT&C operations with the Cesium Mission 1 (CM1) spacecraft.
2. Update the street address for our new headquarters location.

The additional ground stations are necessary for increased TT&C connectivity with Cesium satellites. These ground stations are owned and operated by Leaf Space Srl. Leaf Space will have received all necessary Earth station licenses for these ground stations in their respective countries prior to commencing operations with CM1 spacecraft.

The new address for the company headquarters is:

CesiumAstro, Inc.  
13215 Bee Cave Parkway  
Suite A-300  
Austin, TX 78738

All operations and technical parameters of the mission will remain unchanged and be conducted using the same frequencies, power levels, and restrictions as initially authorized in the experimental license, except for those related to the modification stated above. Reference-only technical parameters are provided as a separate exhibit for communications with Earth stations located outside the United States, its territories, and possessions.

As noted in the original application, these operations are conducted to support the development of Cesium hardware and software through demonstrations of advanced features of technology such as dynamic waveform switching and dynamic link optimization. Cesium acknowledges that operations under this experimental authorization will be performed on a non-interference basis.