



November 23, 2021

**BY ELECTRONIC FILING**

Kerry E. Murray  
Federal Communications Commission  
45 L Street, N.E.  
Washington, DC 20554

Re: Amendment for SES-LIC-20201021-01160; Callsign E202178

Dear Ms. Murray:

This letter is to provide detail for an amendment to SES-LIC-20201021-01160, the license application for the Starlink earth station in Mandale, NC.

The amendment is for the following changes:

- 1) **Update to earth station coordinates**
- 2) **Correction of clerical error related to county**

These changes are described on the following page.

## Update to earth station coordinates

SpaceX would like to change the coordinates of this earth station. This change is beyond the threshold of 1 second of latitude or longitude listed in CFR 25.118(b)(2)(vi). Therefore, SpaceX is providing notification of this change via amendment filing.

Initial coordinates: 35° 53' 43.3" N, 79° 13' 29.6" W

New coordinates: 35° 53' 44.08" N, 79° 13' 36.29" W

SpaceX does not anticipate this change to have any material impact on the earth station's compliance with CFR 25.136(a)(4), and maintains that analyses submitted with and leading up to the supplemental pleading on August 13<sup>th</sup>, 2021 remain relevant and applicable.

## Correction of clerical error related to county

The initial license application for this earth station<sup>1</sup> stated that the earth station is located in Alamance County, NC, which has a population of approximately 169,509 people<sup>2</sup>. This was a clerical error. The county in which the earth station is located is Orange County, NC, with a population of approximately 148,476 people<sup>3</sup>.

Considering 47 CFR § 25.136(a)(4)(ii) and the population of Orange County, the maximum permitted aggregate population within the  $-77.6$  dBm/m<sup>2</sup>/MHz PFD contour of the earth station remains unchanged at 450 people. As demonstrated in the supplemental pleading filed on August 13<sup>th</sup>, 2021, the PFD contour of this earth station covers 19.01 people. Therefore, the Mandale, NC earth station meets the population coverage requirements set forth in CFR§25.136(a)(4)(ii).

Sincerely,

*David Liptsyn*

David Liptsyn  
Gateway Site Acquisition Analyst  
SpaceX

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<sup>1</sup> SES-LIC-20201021-01160; filed October 16<sup>th</sup>, 2020

<sup>2</sup> See QuickFacts Alamance County, North Carolina, United States Census Bureau, <https://www.census.gov/quickfacts/alamancecountynorthcarolina>

<sup>3</sup> See QuickFacts Orange County, North Carolina, United States Census Bureau, <https://www.census.gov/quickfacts/orangecountynorthcarolina>