

### Amendment Narrative

Astro Digital US, Inc. (“Astro Digital”) hereby amends its pending earth station application to reflect a change in the location of the ground station and to update the requested frequencies.<sup>1</sup> The new ground station location is as follows:<sup>2</sup>

3171 Jay St.  
Santa Clara CA, 95054

**Latitude:** 37° 22’ 48” N  
**Longitude:** 121° 57’ 40” W

Astro Digital seeks authority to operate on the following frequencies, consistent with the FCC’s recent partial grant of its space station license, and incorporates by reference the relevant waiver requests stated in the space station license application:<sup>3</sup>

Link Direction	Frequency Band	Bandwidth Occupied	Max. Data Rate
Uplink (command)	402.88-402.92 MHz 402.58-402.62 MHz <sup>4</sup>	40 kHz	38.4 kbps
Downlink (telemetry)	400.48-400.52 MHz 400.155-400.195 MHz <sup>5</sup>	40 kHz	38.4 kbps

All other technical parameters previously specified in the earth station application are unchanged.

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<sup>1</sup> See IBFS File No. SES-LIC-20171017-01179 (filed Oct. 17, 2017).

<sup>2</sup> Astro Digital’s current operational facility is located at NASA Ames Research Park, 340 Cody Road, Building 503, Moffett Field CA, 94035 (37° 24’ 34” N, 122° 03’ 12” W), and the company has requested special temporary authority to operate at this location for 30 days commencing on or about January 10, 2018. See SES-STA-20171221-01357 (filed Dec. 21, 2017).

<sup>3</sup> See Astro Digital Application, IBFS File No. SAT-LOA-20170508-00071 (granted in part Dec. 14, 2017, as corrected Dec. 21, 2017).

<sup>4</sup> As specified in the partial grant of the space station license, Astro Digital’s TT&C operations in the Earth-to-space direction are limited to a center frequency of 402.9 MHz, except as necessary for a period immediately following (i) the deployment of the satellite or (ii) a satellite software reset, resulting in the satellite returning to its default channel, in both cases to allow for the retuning of the satellite receive channel from 402.6 MHz to 402.9 MHz. *Id.* at ¶ 8.

<sup>5</sup> As specified in the partial grant of the space station license, Astro Digital’s TT&C operations in the space-to-Earth direction are limited to a center frequency of 400.5 MHz, except as necessary for a period immediately following (i) the deployment of the satellite or (ii) a satellite software reset, resulting in satellite transmissions returning to the default transmission channel, in both cases to allow for the retuning of transmissions from 400.175 MHz to 400.5 MHz. *Id.* at ¶ 7.