

Denali 20020, LLC
 Application for STA
 SES-STA-20140224-
 00097
 Filed 02/24/2014
 Page 1 of 3

Exhibit 3

Denali 20020, LLC hereby submits additional clarifying information for the currently pending STA¹. Below you will find information on the space-to-Earth downlinks that was missing in the original narrative, a further description of the “UHF” antennas to be installed, and a minor correction regarding the naming of the Planet Labs satellites.

Additional Application Information

In addition to the emissions described in Exhibit 1, the STA also asks for authority to receive transmissions from the Planet Labs satellites (i.e. in the space-to-Earth direction). The complete frequency profile is summarized as follows, with the additional information highlighted in bold:

Table 1 Frequency Characteristics

Frequency Bands	T/R Mode	Emission Designator	Max EIRP (dBW)	Max EIRP density (dBW/4kHz)	Modulation and services
<u>Antenna 1 (“S/X-band”)</u>					
8099.585 to 8166.415 MHz	R	66M8G1D	N/A	N/A	Digital: Payload (Data), TT&C. QPSK and 8-PSK
8166.585 to 8233.415 MHz	R	66M8G1D	N/A	N/A	Digital: Payload (Data), TT&C. QPSK and 8-PSK
2055.345 to 2056.655 MHz	T	1M31F1D	49.01	23.86	Digital: TT&C. MSK
<u>Antenna 2 (“UHF”)</u>					
401.270 to 401.33 MHz	R	60K0F1D	N/A	N/A	Digital: TT&C. GFSK
449.970 to 450.03 MHz	T	60K0F1D	25.48	13.72	Digital: TT&C. GFSK

Two antennas will be utilized under this STA, both of which are co-located at the same site and under ultimate control by Denali 20020, LLC:

- Antenna 1 represents the currently licensed 7.1 m parabolic dish that will be modified for Planet Labs “X-band” and “S-band” operations.²
- Antenna 2 represents the newly installed “UHF” yagi antenna system. Antenna 2 is comprised of two Yagi-Uda antennas mounted on a single cross-boom controlled by an Az/EI rotator. See Table 2, Table 3 and Figure 1 for further details.

¹ See Denali 20020, LLC SES-STA-20140224-00097.

² See Denali 20020, LLC SES-RWL-20090402-00401 for further information on Antenna 1.

Table 2 UHF Antenna Characteristics (Antenna 2)

Antenna	Manufacturer & Model	# of elements	Antenna Length (m)	Peak Gain (dBi)	3dB Beamwidth (deg)	Polarization
Uplink Yagi	M2 Inc. 450CP34	17	2.7	16.5	30	RHCP
Downlink Yagi	M2 Inc. 400CP30	15	2.7	16.5	30	RHCP

Table 3 UHF Rotator and Mount Characteristics (Antenna 2)

Manufacturer & Model	Type	Mast Height (m)
Yaesu G5500	Az/EI	2.5

Planet Labs Satellite Names (Correction)

In the original submission (e.g. in Block 12 of the application), the Planet Labs satellites are referred to as “Flock 1 thru Flock 28”, when in fact the Planet Labs 28 satellite constellation is collectively referred to as “Flock 1”, and the individual satellites comprising Flock 1 are designated as “Flock 1-1”, “Flock 1-2”,..., “Flock 1-28”.

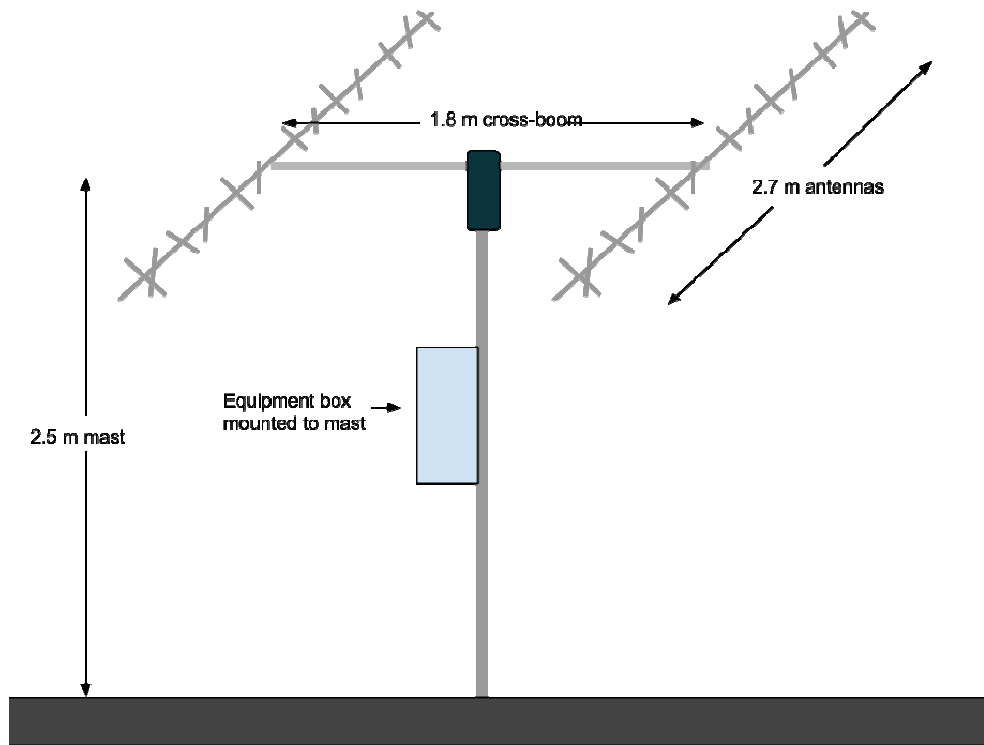


Figure 1 UHF earth station diagram