

Haras Development
Call Sign E181423
Request for 30-day Special Temporary Authority (STA)

Haras Development (“Haras”) seeks special temporary authority (“STA”) for 30 days to add Capella Space Corporation’s Part 25 Call Sign S3073 as a point of communication. Capella has a pending license application under IBFS File No. SAT-LOA-20200914-00108.

As background, Haras applied for STA to add Capella-2 (Sequoia) and Capella-3 (Whitney) as points of communication under Capella’s experimental authorizations File No. 0066-EX-CN-2018 and File No. 0029-EX-CM-2020. See IBFS File Nos. SES-STA-20200610-00617, SES-STA-20200330-00340. The Bureau granted STA for Capella-2 for 30 days, see IBFS File No. SES-STA-20200610-00617 (granted July 9, 2020), which applicant timely renewed under Section 1.62, see IBFS File No. SES-STA-20200806-00835. The 180-day STA remains pending.

After discussion with FCC staff, applicant files this application to reference Capella’s Part 25 Call Sign S3073, which includes Capella-2, -3, and -4, and add these space stations as points of communication. See IBFS File No. SAT-LOA-20200914-00108. Haras seeks to use two Viasat 5.4m antennae to communicate with Capella. See IBFS File No. SES-MOD-20191021-01351, Narrative Attachment, at 2 (describing antennae); see *also* IBFS File No. SES-LIC-20180816-02287 (granted Sept. 11, 2019).

Frequencies Sought by This STA

(1) TT&C uplink

Center Frequency: 2036 MHz
Emission Designator: 1M40F1D
Polarity: RCHP

(2) TT&C Downlink

Center Frequency: 8027 MHz
Emission Designator: 1M40F1D
Polarity: RHCP
Max EIRP Per Carrier (dBW): 4.5
Max EIRP Density Per Carrier (dBW/4 kHz): -21.0

(3) Payload Downlink

Center Frequency: 8212.5 MHz
Emission Designator: 338MG1D
Polarity: RCHP, LCHP, or RHCP+LHCP
Max EIRP Per Carrier (dBW): 26.0

Max EIRP Density Per Carrier (dBW/4 kHz): -22.0