

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

Haras Development (“Haras”) seeks STA for 30 days to add Capella Space Corporation’s Part 25 Call Sign S3080, Capella-5 and Capella-6, as a satellite point of communication. Capella has a pending license application under IBFS File No. SAT-LOA-20210119-00012 (the “Capella Application”).

Haras seeks to commence operation under this STA on April 15, 2021, conditioned upon grant of the Capella Application.

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). These same antennae have been authorized by STA to communicate with Capella-2 through -4, Call Sign S3073. *See* IBFS File No. SES-STA-20201201-01282 (granted Jan. 5, 2021); *see also* IBFS File No. SAT-LOA-20200914-00108 (granted Dec. 17, 2020).

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