

**Haras Development**  
**Call Sign E181423**  
**Request for 180-day Special Temporary Authority (STA)**

Haras Development (“Haras”) seeks special temporary authority (“STA”) for 180-days to add Capella Space Corporation (“Capella”), Call Sign WJ2XJE, as a satellite point of communication. The Commission has authorized Capella to operate under experimental license File No. 0066-EX-CN-2018, and Capella has a pending application under File No. 0029-EX-CM-2020.

Haras seeks to use two Viasat 5.4m antennae to communicate with Capella. See SES-MOD-20191021-01351, Narrative Attachment, at 2 (describing antennae); see also 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: 375MG1D  
Polarity: RCHP, LCHP, or RHCP+LHCP  
Max EIRP Per Carrier (dBW): 26.0 MHz  
Max EIRP Density per Carrier (dBW/4 kHz): -22.0