



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. SAT-01504

Friday October 9, 2020

Satellite Policy Branch Information Space Station Applications Accepted for Filing

The applications listed below have been found, upon initial review, to be acceptable for filing. The Commission reserves the right to return any of the applications if, upon further examination, it is determined that the application is not in conformance with the Commission's rules or its policies. Consideration of each satellite application in this Public Notice may depend on the Commission's action on another satellite application earlier in the queue. Petitions, oppositions, and other pleadings filed in response to this notice should conform to Section 25.154 of the Commission's rules, unless otherwise noted. 47 C.F.R. § 25.154.

SAT-LOA-20200914-00108 E S3073 Capella Space Corp.
Date Filed: 09/14/2020 10:43:48:03300
Launch and Operating Authority

Capella Space Corp. requests authority to construct, deploy, and operate a constellation of up to three low-Earth orbit, non-geostationary satellites that would operate in the Earth-Exploration Satellite Service, conducting synthetic aperture radar (SAR) imaging. Capella Space requests authority to operate in the following frequency bands: 9300-9900 MHz for SAR imaging; 8025-8400 MHz (space-to-Earth) for the EESS payload downlink; 2025-2110 MHz (Earth-to-space) for a TT&C uplink; 8025-8400 MHz (space-to-Earth) for a TT&C downlink; and 1525.0-1559.0 MHz transmitting (space-to-space) and 1626.5-1660.0 MHz receiving (space-to-space) for inter-satellite links with the Inmarsat system, including all the satellites on the Commission's "ISAT" list. Specifically, Capella Space requests to operate using a center frequency of 9600 MHz and a bandwidth of 600 megahertz for SAR imaging, a center frequency of 8212.5 MHz and bandwidth of 337.5 megahertz for its payload downlink, a center frequency of 2036 MHz and bandwidth of 1.4 megahertz for its TT&C uplink, and a center frequency of 8027 MHz and bandwidth of 1.4 megahertz for its TT&C downlink. Capella Space states that the center frequencies and bandwidths for its inter-satellite links would be assigned by Inmarsat. Capella Space requests waiver of the U.S. Table of Frequency Allocations, section 2.106 of the Commission's rules, to permit Capella Space to operate inter-satellite links with the Inmarsat system in the 1525.0-1559.0 MHz and 1626.5-1660.0 MHz frequency bands, and to the extent necessary, to operate TT&C in the 2035-2037 MHz frequency band. Capella Space also requests waiver of section 25.202(g)(1) of the Commission's rules, to operate TT&C using spectrum not at the edge of or within assigned frequency bands, requests waiver of the default service rules in section 25.217(b) of the Commission's rules, and requests waiver of several Form 312 - Schedule S technical information requirements. Capella Space requests that its application be processed in accordance with the small satellite licensing procedures adopted in FCC 19-81.

For more information concerning this Notice, contact the Satellite Division at 202-418-0719; TTY 1-888-835-5322.