



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. SAT-01777

Friday November 24, 2023

Satellite Licensing Division and Satellite Programs and Policy Division 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-AMD-20231013-00249 E S3178 Capella Space Corp.
Date Filed: 10/13/2023 16:54:21:98000
Amendment

See SAT-LOA-20230718-00177 for a description of the request.

SAT-LOA-20230718-00177 E S3178 Capella Space Corp.
Date Filed: 07/18/2023 13:16:18:13600
Launch and Operating Authority

Capella Space Corp. requests authority to construct, deploy and operate two low-Earth orbit, non-geostationary satellites, Acadia-3 and Acadia-4, that would operate in the earth-exploration satellite service (EESS), conducting synthetic aperture radar (SAR) imaging. Capella Space requests authority to operate in the following frequency bands: 9300-10000 MHz (space-to-Earth) for SAR imaging; 8025-8400 MHz (space-to-Earth) for the EESS downlink; 2025-2110 MHz (Earth-to-space) for a command uplink; 8025-8400 MHz (space-to-Earth) for a telemetry and tracking downlink; and 1525.0-1559.0 MHz receiving (space-to-space) and 1626.5-1660.0 MHz transmitting (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 9650 MHz and a bandwidth of 700 MHz for SAR imaging, a center frequency of 8212.5 MHz and bandwidth of 337.5 MHz for its EESS downlink, a center frequency of 2036 MHz and bandwidth of 1.4 MHz for its command uplink, and a center frequency of 8027 MHz and bandwidth of 1.4 MHz for its telemetry and tracking downlink. Capella Space states that the center frequencies and bandwidths for its inter-satellite links would be assigned by Inmarsat. In addition, Capella Space seeks special temporary authority to allow the Acadia-3 and Acadia-4 satellites to receive a signal from a single earth station in the 9400-9900 MHz band (Earth-to-space) for a limited period following deployment in order to radiometrically calibrate radar measurements. Capella Space requests waiver of the U.S. Table of Frequency Allocations, section 2.106 of the Commission's rules, to permit use of 9900-10000 MHz frequency band for EESS (active), for operations of inter-satellite links with the Inmarsat system in the 1525.0-1559.0 MHz and 1626.5-1660.0 MHz frequency bands, and to permit earth-to-space transmissions on a temporary basis in the 9400-10000 MHz band to calibrate Capella's SAR system. Capella Space also requests a conditional waiver of section 25.202(g)(1) of the Commission's rules, as well as waiver of several Form 312 - Schedule S technical information requirements and requirements of section 25.114(c). Capella Space requests that its application be processed in accordance with the small satellite licensing procedures adopted in FCC 19-81 and further requests waivers of sections 25.122(c)(7)-(8) of the Commission's qualifying criteria for small satellite licensing. In the alternative, Capella requests waivers of sections 25.112(a)(3), 25.156, 25.157, and 25.165 of the Commission's rules, including the part 25 processing round procedures.

For more information concerning this Notice, contact the Satellite Licensing Division and Satellite Programs and Policy Division at (202) 418-0719.