



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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DA No. 22-529
Friday May 13, 2022

Report No. SAT-01633

Satellite Policy Branch Information Actions Taken

The Commission, by its International Bureau, took the following actions pursuant to delegated authority. The effective date of these actions is the release date of this Notice, except where an effective date is specified.

SAT-LOA-20220111-00007 E S3133 Spaceflight, Inc.
Launch and Operating Authority
Granted in Part/ Deferred in Part Effective Date: 05/10/2022

Nature of Service: Other

On May 10, 2022, the Satellite Division granted in part, with conditions, the request of Spaceflight, Inc. to deploy and operate its Sherpa-AC1 space station for a period of up to one year. The Division granted authority to Spaceflight to conduct space operations, including telemetry, tracking, and command, using the following frequency bands: 400.15-401.0 MHz, 2200-2290 MHz, and 8025-8400 MHz (space-to-Earth); and 402-403 MHz and 2025-2110 MHz (Earth-to-space). The Division also authorized the Sherpa AC1 spacecraft to operate in the radionavigation-satellite service (RNSS) in the 5010-5030 MHz band (space-to-Earth), using a center frequency of 5020 MHz with a bandwidth of 20 MHz, but deferred action on Spaceflight's request to operate in the RNSS in the 1255-1265 MHz band.

SAT-LOA-20220309-00025 E S3137 Capella Space Corp.
Launch and Operating Authority
Grant of Authority Effective Date: 05/11/2022

Nature of Service: Earth Exploration Satellite Service

On May 11, 2022, the Satellite Division granted authority, with conditions, to Capella Space Corp. to construct, deploy, and operate one low-Earth orbit, non-geostationary orbit satellite in the Earth Exploration Satellite Service (EESS) at an altitude of approximately 525 kilometers for purposes of Synthetic Aperture Radar (SAR) imaging. The satellite is known as Capella-9. Capella Space is authorized to operate using a center frequency of 9600 MHz and a bandwidth of 600 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 space operations uplink (Earth-to-space), and a center frequency of 8027 MHz and bandwidth of 1.4 MHz for its space operations downlink (space-to-Earth). Capella Space is also authorized to operate inter-satellite links with the Inmarsat system, including all the satellites on the Commission's "ISAT" list, using frequencies assigned for operations by Inmarsat BGAN terminals in the 1525.0-1559.0 MHz (space-to-space) and 1626.5-1660.6 MHz (space-to-space) frequency bands. In addition, the Division authorized Capella-9 for limited reception from an earth station for purposes of radar calibration in the 9400-9900 MHz band (Earth-to-space). This application was granted under the streamlined small satellite procedures, 47 CFR § 25.122.

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