



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. SAT-01816

Friday April 19, 2024

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-20240417-00080 E S3184 Loft Orbital Solutions Inc.
Date Filed: 04/17/2024 18:36:02:81300
Amendment

See ICFS File No. SAT-LOA-20240202-00021 for a description of the request.

SAT-AMD-20240418-00083 E S3178 Capella Space Corp.
Date Filed: 04/18/2024 16:43:57:43000
Amendment

See ICFS File No. SAT-MOD-20240329-00071 for a description of the request.

SAT-LOA-20240202-00021 E S3184 Loft Orbital Solutions Inc.
Date Filed: 02/02/2024 18:03:16:21000
Launch and Operating Authority

Loft Orbital Solutions Inc. requests authority to deploy and operate a satellite to be known as YAM-7, in low-Earth, non-geostationary satellite orbit. Loft seeks to operate in the earth exploration-satellite service and space operation service. The YAM-7 satellite would deploy to an altitude of 510 kilometers (+/- 20 kilometers) at an inclination of 97.6 degrees (+/- 0.1 degrees), and operate using the following frequency bands: 2025-2110 MHz (Earth-to-space) for data uplink and telemetry, tracking, and command (TT&C), 2200-2290 MHz (space-to-Earth) for data downlink and TT&C, and 8025-8400 MHz (space-to-Earth) for data downlink and TT&C. Additionally, Loft seeks to use the 400.15-401.0 MHz (space-to-Earth), 401.0-402.0 MHz (space-to-Earth) and 449.75-450.25 MHz (Earth-to-space) frequency bands for backup TT&C communications. Loft is also requesting authorization to continue operations down to an altitude with a perigee of 350 km. Loft requests a waiver of the U.S. Table of Frequency Allocations, 47 CFR § 2.106(a), to the extent necessary, in connection with operations in the 2200-2290 MHz frequency band. Loft also requests that its application be processed in accordance with the small satellite licensing procedure under 47 CFR § 25.122.

SAT-MOD-20240329-00071 E S3178 Capella Space Corp.
Date Filed: 03/29/2024 17:18:22:15000
Modification

Capella Space Corp. seeks modification of its license for the non-geostationary satellite orbit satellites Acadia-3 and Acadia-4, to operate down to an altitude as low as 350 km. Capella also requests modification of its license to include authority to deploy and operate two additional space stations, Acadia-5 and Acadia-6 at an altitude of approximately 550 kilometers (+/- 50 kilometers) and inclination between 95 and 99 degrees, and also anticipates conducting imaging at altitudes down to approximately 350 km. Capella seeks to operate the Acadia-5 and Acadia-6 in the earth exploration-satellite service (EESS), conducting synthetic aperture radar (SAR) imaging. Capella 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 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 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 requests to operate using a center frequency of 9650 MHz and bandwidths from 10 MHz to 700 MHz for SAR imaging, a center frequency of 8212.5 MHz and bandwidth of 337.5 MHz for its payload downlink, a center frequency of 2036 MHz and bandwidth of 1.4 MHz for its TT&C uplink, and a center frequency of 8027 MHz and bandwidth of 1.4 MHz for its TT&C downlink. Capella states that the center frequencies and bandwidths for its inter-satellite links would be assigned by Inmarsat. In addition, Capella seeks special temporary authority to allow the Acadia-5 and Acadia-6 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 requests waiver of the U.S. Table of Frequency Allocations, section 2.106 of the Commission's rules, and sections 25.114(c), 25.156, 25.157, 25.202(g)(1), and 25.217(b) of the Commission's rules.

SAT-STA-20240412-00078 E S2811 EchoStar BSS Corporation
Date Filed: 04/12/2024 15:17:29:49000
Special Temporary Authority

EchoStar BSS Corporation requests special temporary authority for an additional period of 180 days to continue to operate the EchoStar 15 satellite to provide Direct Broadcast Satellite service over channels 1 and 2 at the 61.65° W.L. orbital location using the 12.2-12.7 GHz (space-to-Earth) and 17.3-17.8 GHz (Earth-to-space) frequency bands. EchoStar states that it will continue to comply with conditions set forth in the June 2012 Order of the International Bureau, Satellite Division. See EchoStar Satellite Operating Corporation Applications for Special Temporary Authority to Operate Direct Broadcast Satellite Service Space Stations EchoStar 3, EchoStar 12, EchoStar 15, and EchoStar 16 on Channels 1 and 2 at the 61.5° W.L. Orbital Location, Order and Authorization, 27 FCC Rcd 7138, 7141-42, para. 11 (Int'l Bur. Sat. Div. 2012).

SAT-STA-20240412-00079 E S2844 EchoStar BSS Corporation
Date Filed: 04/12/2024 15:17:56:21000
Special Temporary Authority

EchoStar BSS Corporation requests special temporary authority for an additional period of 180 days to continue to operate the EchoStar 16 satellite to provide Direct Broadcast Satellite service over channels 1 and 2 at the 61.5° W.L. orbital location using the 12.2-12.7 GHz (space-to-Earth) and 17.3-17.8 GHz (Earth-to-space) frequency bands. EchoStar states that it will continue to comply with conditions set forth in the June 2012 Order of the International Bureau, Satellite Division. See EchoStar Satellite Operating Corporation Applications for Special Temporary Authority to Operate Direct Broadcast Satellite Service Space Stations EchoStar 3, EchoStar 12, EchoStar 15, and EchoStar 16 on Channels 1 and 2 at the 61.5° W.L. Orbital Location, Order and Authorization, 27 FCC Rcd 7138, 7141-42, para. 11 (Int'l Bur. Sat. Div. 2012).

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