



# PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION  
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**Report No. SAT-01624**

**Friday April 8, 2022**

## 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.

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**SAT-LOA-20220309-00025** E S3137 Capella Space Corp.  
Date Filed: 03/09/2022 13:55:14:10300  
Launch and Operating Authority

Capella Space Corp. requests authority to construct, deploy and operate one low-Earth orbit, non-geostationary satellite 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 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 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 TT&C uplink, and a center frequency of 8027 MHz and bandwidth of 1.4 MHz for its TT&C downlink. Capella Space 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 Capella-9 satellite 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 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 permit earth-to-space transmissions on a temporary basis in the 9400-9900 MHz band to calibrate Capella's SAR system. Capella Space also requests a waiver of section 2.106 and a conditional waiver of section 25.202(g)(1) of the Commission's rules, for TT&C-only operation using spectrum not at the edge of or within assigned frequency bands, 2025-2110 MHz, 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.

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**SAT-LOA-20220325-00035** E S3139 Orbital Sidekick, Inc.  
Date Filed: 03/25/2022 16:29:47:04300  
Launch and Operating Authority

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Orbital Sidekick, Inc. requests authority to launch and operate six satellites in low-Earth, non-geostationary orbit in the earth-exploration satellite service (EESS) for hyperspectral imaging. The satellites would operate at an altitude of 525 kilometers and inclination of 97.5 degrees and use the following frequency bands: 25.5-27.0 GHz (space-to-Earth) for an EESS data downlink, 2045-2050 MHz (Earth-to-space) for an EESS uplink for modulation and data coding; 2054.85-2055.15 MHz (Earth-to-space) for command uplink; and 400.15-401.0 MHz (space-to-Earth) for telemetry and tracking downlink operations. Orbital Sidekick also seeks to use the 1615-1617.5 MHz band (space-to-space) for inter-satellite transmissions to the Globalstar NGSO system. Specifically, Orbital Sidekick requests to operate the EESS downlink using center frequencies of 25.725 GHz, 26.25 GHz, and 26.775 GHz with bandwidths of 450 MHz and a center frequency of 26.8 GHz with a bandwidth of 86.4 MHz ; the EESS uplink using a center frequency of 2047.5 MHz with a bandwidth of 5 MHz; the inter-satellite transmissions using a center frequency of 1616.25 MHz with bandwidth of 2.5 MHz; the telemetry and tracking downlink using a center frequency of 400.5 MHz with a bandwidth of 40 kHz; and the command uplink using a center frequency of 2055 MHz with a bandwidth of 300 kHz. Orbital Sidekick requests waiver of the U.S. Table of Frequency Allocations, section 2.106 of the Commission's rules to communicate with the Globalstar system in the 1615-1617.5 MHz band. Orbital Sidekick also requests waiver of the Commission's processing round procedures in sections 25.156 and 25.157 of the Commission's rules, as well as sections 25.217(b) and 25.202(g)(1) of the Commission's rules.

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**SAT-MOD-20211217-00200** E S2713 SES Americom, Inc.

Date Filed: 12/17/2021 16:52:00:73300

Modification

SES Americom, Inc. requests authority to extend the license term for the AMC-18 space station from January 31, 2022 until March 31, 2025. AMC-18 provides Fixed-Satellite Service from the 83° W.L. orbital location using the 3.7-4.2 GHz (space-to-Earth), and 5.925-6.425 GHz (Earth-to-space) frequency bands. Telemetry, tracking, and command will be conducted using the 3700.5 MHz, 4199.5 MHz, and 6423.5 MHz (Earth-to-space) frequencies.

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**SAT-MOD-20211217-00201** E S2135 SES Americom, Inc.

Date Filed: 12/17/2021 16:52:40:20600

Modification

SES Americom, Inc. requests authority to extend the license term for the AMC-4 space station from February 28, 2022 until January 31, 2026. AMC-4 provides Fixed-Satellite Service and Direct-to-home service from the 134.9° W.L. orbital location using the 3.7-4.2 GHz, 11.45-11.7 GHz, and 11.7-12.2 GHz frequency bands (space-to-Earth), and 5.925-6.425 GHz, 13.75-14.0 GHz, and 14.0-14.5 GHz (Earth-to-space) frequency bands. Telemetry, tracking, and command will be conducted using the 3700.5 MHz, 4199.5 MHz, 11702.0 MHz, and 12198.0 MHz (space-to-Earth), and 6423.5 MHz (Earth-to-space) frequencies.

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**SAT-MPL-20220121-00009** E S3037 SES Americom, Inc.

Date Filed: 01/21/2022 17:30:25:80600

Modification to PDR/PPL

SES Americom, Inc. requests modification of its grant of market access for the NSS-11 space station operating in the fixed-satellite service at the 176° E.L. orbital location to reflect a planned reorientation of the satellite's Ku-band beams.

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