PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
45 L STREET NE
WASHINGTON D.C. 20554

Report No. SAT-01641   **Friday June 17, 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.

SAT-AMD-20220510-00049   E S3084   Intuitive Machines
Date Filed: 05/10/2022 11:23:49:39300
Amendment

See SAT-LOA-20210423-00055 for a description of the request.

SAT-LOA-20210423-00055   E S3084   Intuitive Machines
Date Filed: 04/23/2021 17:00:58:85600
Launch and Operating Authority

Intuitive Machines seeks authority to construct, deploy, and operate a lunar lander, Nova-C/IM-1 for a period of up to 60 days. Intuitive Machines seeks to conduct telemetry, tracking, and command (TT&C) for the spacecraft during its transit to the moon and on the lunar surface using the 2035.46916-2035.71916 MHz (Earth-to-space) and 2210.475-2210.725 MHz (space-to-Earth) frequency bands. Once the Nova-C/IM-1 has landed on the lunar surface, Intuitive Machines seeks to downlink data from various scientific experiments aboard the lander using the 2210.475-2210.725 MHz and 2247-2253 MHz (space-to-Earth) frequency bands. Intuitive Machines requests waiver of the U.S. Table of Frequency Allocations, 47 CFR § 2.106 and of sections 25.123(b)(10), 25.202(f), and 25.202(g)(1) of the Commission's rules. This application was filed pursuant to the small spacecraft process, 47 CFR § 25.123.

SAT-LOA-20220218-00020   E S3136   Lockheed Martin Corporation
Date Filed: 02/18/2022 16:18:15:81600
Launch and Operating Authority

Lockheed Martin Corporation requests authority to construct, deploy and operate two space stations, to be known as Parsec, in cislunar orbit for communications relay and data storage operations. Lockheed seeks to operate the two space stations with an apogee (apolune) between 9,828 - 10,466 km and perigee (perilune) between 2,458 - 2,616 km, with an inclination of 56.2° - 60.5° relative to the Moon. The Parsec spacecraft would be launched into a trans-lunar injection orbit and thereafter maneuver into their lunar operational orbit. Lockheed requests to conduct operations in the space research service using the following Ka-band frequencies: 22.55-23.15 GHz (Earth-to-space) and 25.5-27.0 GHz (space-to-Earth); and to conduct telemetry, tracking and command (TT&C) operations and backup data relay in the following X-band frequencies: 7190-7235 MHz (Earth-to-space) and 8450-8500 MHz (space-to-Earth). Lockheed also seeks to operate inter-satellite service links in the following Ka-band frequencies: 23.15-23.55 GHz and 27.0-27.5 GHz (space-to-space), for both cross-links between the Parsec spacecraft and between the Parsec spacecraft and assets located on the lunar surface. Finally, Lockheed seeks to operate Moon-to-satellite relay communications in the space research service using the following S-band frequencies: 2025-2110 MHz and 2200-2290 (space-to-space). Lockheed requests waivers of section 25.114(c)(6) regarding specification of orbital parameters, and of the Commission's processing round rules in sections 25.156 and 25.157. Lockheed Martin also seeks waiver of the U.S. Table Frequency Allocations, 47 C.F.R. § 2.106, related to use of the 7190-7235 MHz band and the 2200-2290 MHz band.

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