



ATLAS Space Operations, Inc.
10850 E. Traverse Highway, Suite 2225
Traverse City, Michigan 49684-1363

ATLAS Space Operations
E190037
Request for Modification

On March 03, 2020 the FCC Office of Engineering and Technology granted ATLAS Space Operations, Inc (ATLAS) authority to operate a fixed earth station located in Harmon, Guam (Call Sign WK2XQX) utilizing X-band downlink and S-band uplink frequencies to communicate with GNOMES-1 satellite (Call Sign WK2XIU).

The FCC International Bureau subsequently recommended ATLAS switch to a commercial grant to support the GNOMES spacecraft. In response to this suggestion, ATLAS applied for a modification to our existing commercial grant (Call Sign E190037) to provide services to GNOMES-1 and a technologically identical satellite, GNOMES-2 (Call Sign WL2XED) from Harmon, Guam..

ATLAS provided a single Schedule B with complete technical details to facilitate the evaluation of GNOMES-1 and GNOMES-2. Additionally, on August 29, 2019, ATLAS provided the NTIA Space Record data form and it has been attached to this application, as well.

Grant of this modification will serve the public interest by facilitating efficient use of resources by satellite network operators and service providers, enabling Earth exploration satellite service (EESS) customers to focus on satellite and customer operations by minimizing deployment and/or management of their own ground infrastructure and allowing ATLAS to provide that service. The innovative shared infrastructure solutions provided by ATLAS also help to advance the goals of United States space policy by making commercial space increasingly accessible.

Additional Points of Communication

ATLAS requests authorization to add GNOMES-1 and GNOMES-2 as points of communication to the Harmon, Guam station. Communications with these satellites utilizing the following frequencies:

GNOMES-1 and GNOMES-2:

- o 2081.0 Mhz uplink with 200 Khz bandwidth; and
- o 8260 MHz downlink with 20 Mhz bandwidth

The use of these frequencies for uplink EECS and TT&C is in accordance with the U.S. Table of Frequency Allocations.

ATLAS respectfully requests that the Commission grant this modification application.