

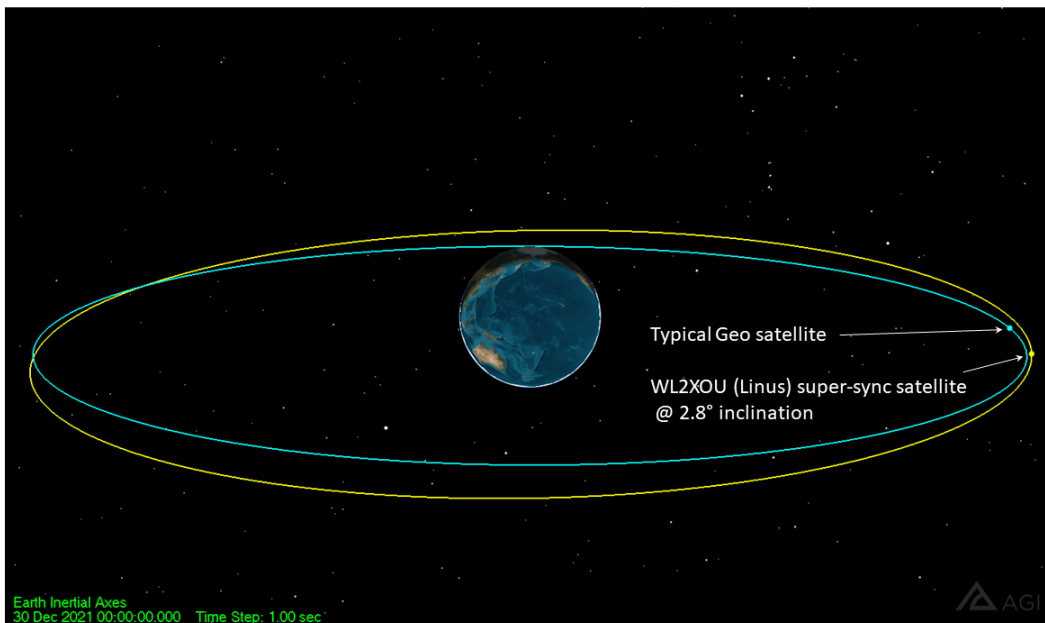
## USN support of the geosynchronous test spacecraft WL2XOU (aka Linus) from USN's Alaskan earth station.

The spacecraft will be launched in the first quarter of 2022 on a Falcon Heavy from the Kennedy Space Center. WL2XOU will rideshare on the vehicle with multiple other spacecraft. WL2XOU will be injected into super-sync orbit at a TBD time in February/March 2022. The spacecraft is inclined at 2.8 degrees as to minimize potential interference with other geo spacecraft. The operators of WL2XOU have begun and will coordinate with other operators as to not cause interference as it moves around the geo-belt. This request is for a 30 day test period prior to the spacecraft launch and subsequent injection beginning January 17, 2022.

Nominal Injection TLE

WL2XOU

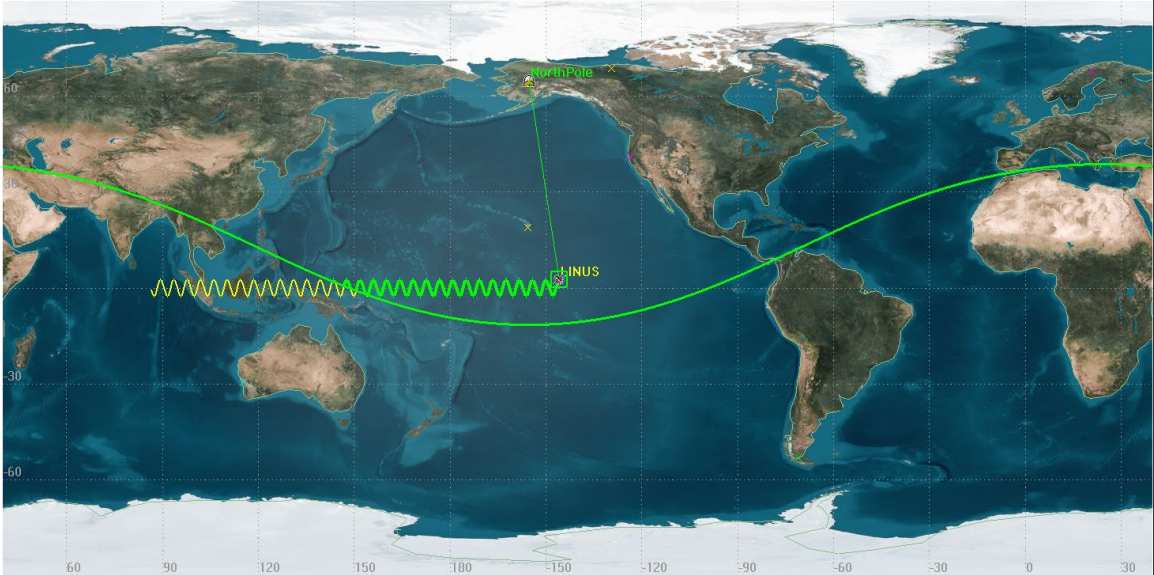
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2 29733 002.8141 335.6635 0006824 196.2271 346.5790 00.99124977000014
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Expected WL2XOU orbit after separation from vehicle

	Downlink	Uplink
WL2XOU	2232.000 MHz 2242.145 MHz	2055.300 MHz

The spacecraft may be supported when in view of USN's Hawaiian earth station up to 24/7 (with mute transmissions as coordinated to mitigate interference) between longitudes 80° west to 128° east as the spacecraft drifts west as shown below. As the spacecraft goes out of view of Hawaii the sequence will repeat after the spacecraft moves around the earth this sequence may repeat if the spacecraft is in good health.



## **Exhibit**

### **TO THE EXTENT THEY APPLY, GOOD CAUSE EXIST FOR A WAIVER OF THE UNITED STATES TABLE OF FREQUENCY ALLOCATIONS**

USN requests a waiver of the United States Table of Frequency Allocations ("U.S. Table") as described in section 2.106 of the rules for the frequency bands 2025 – 2110 MHz (Earth-to-Space) and 2200 – 2290 MHz (Space-to-Earth).<sup>6</sup> Section footnotes allow for non-federal Government use of these bands in the United States on a case-by-case non-interference basis. Such use by USN necessitates a waiver of the U.S. Table.

Good cause exists to grant USN a limited waiver of the U.S. Table to allow LEOP support of the WL2XOU (aka LINUS) satellite. In considering request for case-by-case spectrum uses, the Commission has indicated that it would generally grant such waivers "where there is little potential for interference into any service authorized under the Table of Frequency Allocations and when the case-by-case operator accepts any interference from authorized services."<sup>7</sup> USN will coordinate with other parties operating communication systems in compliance with the Table of Frequency Allocations to ensure that no harmful interference is caused. USN seeks to operate only pursuant to special temporary authorization and thus agrees to accept any interference from authorized services. In summary, USN's operation on a non-interference, non-protected basis support waiver of the U.S. Table.