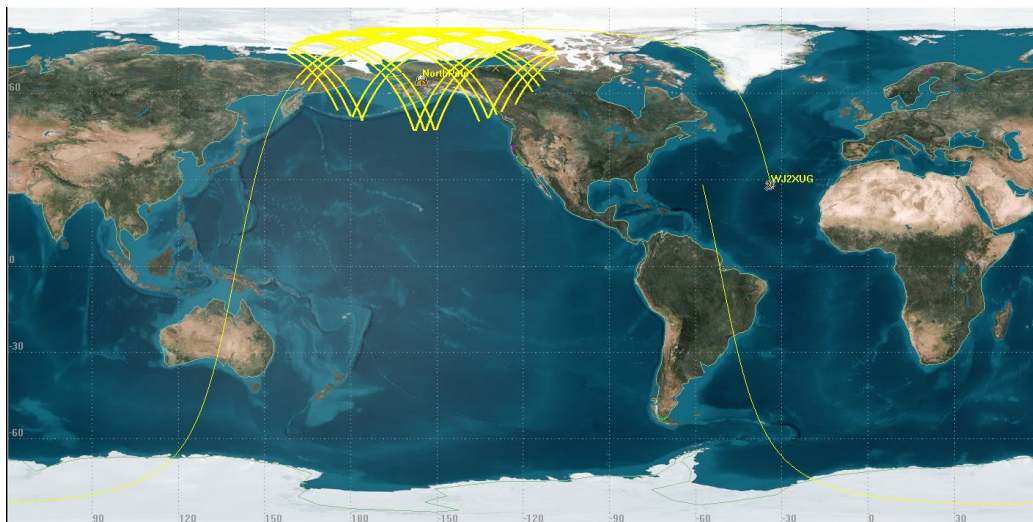


# Spacecraft BUS commissioning support of the spacecraft Athena (OET Experimental) from USN's Alaska ground station

The spacecraft was launched on September 2<sup>nd</sup>, 2020. Maxar, the operator of the spacecraft has asked USN for BUS commissioning support. The authority sought will allow the spacecraft to continue leveraging the increased diversity of the earth stations to accelerate and facilitate commissioning of the satellite's BUS. The support request is for 30 days following the previous STA expiring on Oct 16<sup>th</sup>, 2020. Below are the opportunities for the USN Alaskan earth station to contact the spacecraft on Oct 17<sup>th</sup>, 2020.



October 17<sup>th</sup>, 2020 opportunities for contact

	Downlink	Uplink
Athena	8496.250 MHz	2082.000 MHz

## Athena

1 99980U 54321A 20255.70833333 -.00000096 00000-0 -49967-5 0 00004  
 2 99980 97.5190 328.9249 0001096 142.4031 125.7772 15.15958604001305

Access	Start Time (UTCG)	Stop Time (UTCG)
1	17 Oct 2020 01:18:01	17 Oct 2020 01:26:30
2	17 Oct 2020 02:51:02	17 Oct 2020 02:58:25
3	17 Oct 2020 04:22:55	17 Oct 2020 04:31:28
4	17 Oct 2020 05:54:48	17 Oct 2020 06:05:24
5	17 Oct 2020 07:27:50	17 Oct 2020 07:39:37
6	17 Oct 2020 09:02:41	17 Oct 2020 09:13:47
7	17 Oct 2020 10:40:10	17 Oct 2020 10:47:20
8	17 Oct 2020 18:48:15	17 Oct 2020 18:54:37
9	17 Oct 2020 20:21:38	17 Oct 2020 20:32:31
10	17 Oct 2020 21:55:46	17 Oct 2020 22:07:35
11	17 Oct 2020 23:30:00	17 Oct 2020 23:40:44

**Exhibit**  
**PETITION FOR WAIVER OF FREQUENCY COORDINATION AND THREE DAY  
STA PROCESSING TIME**

**I. TO THE EXTENT THEY APPLY, GOOD CAUSE EXISTS FOR A WAIVER OF  
FREQUENCY COORDINATION**

Universal Space Network, Inc. (USN) has been asked to provide BUS commissioning support for the Athena Spacecraft launched on September 2, 2020. The spacecraft is licensed by the OET Experimental division and has call sign of WJ2XUG. USN does not have the required 30 days to obtain a frequency coordination for this support, but will submit such if the support becomes routine. USN has successfully coordinated with the SBE on September 16<sup>th</sup>, 2020 for this effort, and thus thinks it is low risk of interference.

**II. GOOD CAUSE EXISTS FOR A WAIVER OF THE THREE DAY  
PROCESSING TIME**

USN further requests a waiver of the STA processing time due to leveraging the increased diversity of the earth stations to accelerate and facilitate commissioning of the satellites BUS.