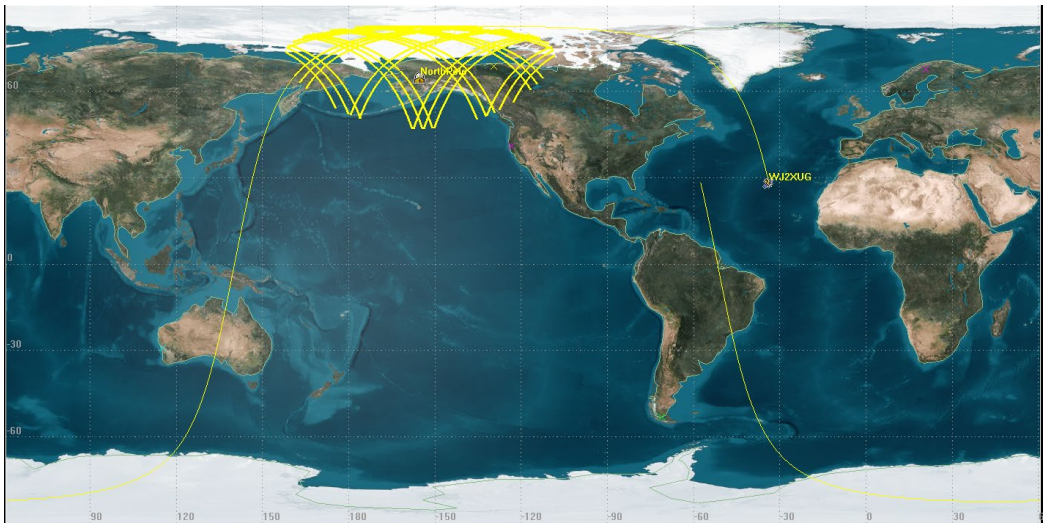


# Experimental mission support of the spacecraft Athena (OET Experimental WJ2XUG) from USN's Alaska ground station

The spacecraft was launched on September 2<sup>nd</sup>, 2020. Maxar, the operator of the spacecraft has asked USN for continuing experimental mission support. The authority sought will allow the spacecraft to continue leveraging the increased diversity of the earth stations to accelerate and facilitate the experimental satellites mission objectives.

**The support request is for 180 days following the previous temporary authority SES-STA-20201110-01233. USN further requests that the above referenced STA remain valid until the commission takes action on this new request. USN has requested the Comsearch coordination report due on or about Dec 24<sup>th</sup> and will be delivered to the commission as soon as available.**

Below are the opportunities for the USN Alaskan earth station to contact the spacecraft on Dec 7<sup>th</sup>,2020.



December 7<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**

| <b>Access</b> | <b>Start Time (UTCG)</b> | <b>Stop Time (UTCG)</b> |
|---------------|--------------------------|-------------------------|
| 1             | 7 Dec 2020 00:19:17      | 7 Dec 2020 00:26:09     |
| 2             | 7 Dec 2020 01:53:39      | 7 Dec 2020 01:57:10     |
| 3             | 7 Dec 2020 03:26:27      | 7 Dec 2020 03:29:11     |
| 4             | 7 Dec 2020 04:57:22      | 7 Dec 2020 05:03:26     |
| 5             | 7 Dec 2020 06:29:11      | 7 Dec 2020 06:37:52     |
| 6             | 7 Dec 2020 08:02:43      | 7 Dec 2020 08:12:10     |
| 7             | 7 Dec 2020 09:38:39      | 7 Dec 2020 09:45:55     |
| 8             | 7 Dec 2020 19:23:32      | 7 Dec 2020 19:28:05     |
| 9             | 7 Dec 2020 20:56:34      | 7 Dec 2020 21:05:34     |
| 10            | 7 Dec 2020 22:30:43      | 7 Dec 2020 22:39:59     |