

Experimental License Modification Description

Astro Digital US Inc. ("Astro Digital") requests authority to modify its license (Call Sign WJ2XWG) to permit its authorized satellite, Momentus X1, to communicate with an additional earth station located in Tromsø, Norway ("Tromsø Station") (69° 39' 46" N, 18° 56' 26" E). On July 5, 2019, Astro Digital successfully launched and commenced operations of the Momentus X1 satellite.¹

To facilitate the experiments, Astro Digital seeks authority to communicate with the Tromsø Station, using currently authorized frequencies, 400.5 MHz (space-to-Earth) and 402.9 MHz (Earth-to-space). Adding the Tromsø Station will increase the daily number of contacts with the satellite and allow experiments to progress at a faster rate.

Grant of the modification will facilitate the development of technology that could be used to mitigate the risk of orbital debris and accordingly is in the public interest.

Astro Digital will coordinate use of the Tromsø Station with incumbent Federal operators.

¹ See Letter from Tony Lin, Counsel to Astro Digital, to the Federal Communications Commission, ELS File No. 0049-EX-CR-2020 (filed Jan. 31, 2020).