

## Description of Request for Special Temporary Authority

Denali 20020, LLC requests special temporary authority to operate a proposed S-band and UHF earth station off an existing earth station licensed under Call Sign E990069 and located in Brewster, Washington. The proposed earth station will transmit at S-band frequency ranges (2055.345 to 2056.655 MHz) and UHF frequency ranges (449.970 to 450.03 MHz). Testing will involve communications with the Flock 1 thru Flock 28 constellation of non-geostationary orbit (NGSO) Earth Exploration Satellite Service (EESS) imaging satellites.

Launch of the Flock 1 satellites to the International Space Station (ISS) occurred in January 2014. Throughout the months of February and March 2014, all 28 satellites will gradually be deployed from the ISS into low earth orbit and activated. Denali 20020, LLC has an immediate need to assist the operators of these satellites with the testing of operations. Pending testing results during the granted STA period, Denali 20020, LLC intends to file for permanent modification of their existing Call Sign E990069 to add the frequencies requested in this current filing.

Denali 20020, LLC understands that UHF-band operations will be on a non-interference and non-protected basis only.

<b>Frequency Bands</b>	<b>T/R Mode</b>	<b>Emission Designator</b>	<b>Max EIRP (dBW)</b>	<b>Max EIRP density (dBW/4kHz)</b>	<b>Modulation and services</b>
2055.345 to 2056.655 MHz	T	1M31F1D	49.01	23.86	Digital: TT&C. MSK
449.970 to 450.03 MHz	T	60K0F1D	25.48	13.72	Digital: TT&C. GFSK

5 to 5 degrees
0 to 360 degrees

Temporary Frequency Coordination was completed for the transmit band of 2055.345 to 2056.655 MHz and is attached as a Coordination Exhibit to this filing.