

Request for Special Temporary Authority

Blackwing Space, Inc. (“Blackwing Space”) hereby requests special temporary authority (“STA”) for two earth stations located at sites in Winston-Salem, North Carolina and Deadhorse, Alaska.

The earth stations will operate on a center frequency of 399.975 MHz. The earth stations will transmit to and receive signals from Blackwing Space’s Baby Bird satellite, authorized under File No. 0864-EX-ST-2026. Blackwing Space requests a grant of this STA by **October 1, 2026**, which is when the launch window opens for Blackwing Space’s satellite.

Compliance with Section 25.202(f)

Blackwing Space certifies that all transmissions from these earth stations will be compliant with Section 25.202(f) of the Commission’s rules.

Compliance with Radiation Hazard Mitigation Rules

Blackwing Space further certifies that these earth stations are operated in a manner consistent with the Commission’s radiofrequency radiation exposure limits in 47 C.F.R. § 1.1310 and the measures recommended in the FCC’s OET Bulletin 65. Both earth stations are sited at controlled commercial earth station facilities that are shielded from the public and monitored at all times, ensuring that the general public can not approach the earth stations while they are transmitting.

Protection of Mobile Satellite Service Systems

These earth station will not operate at power levels higher than 5 dBW EIRP in order to protect in-band Mobile Satellite Service (“MSS”) operators. As noted below, the earth stations will not transmit below 20 degrees elevation and neither site will transmit for more than 10 minutes a day, limiting the prospect of inline events with MSS operators in the band.

Stop Buzzer Contact

Stop Buzzer Contact: Paul Anderson

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Directional Antenna Characteristics

Orientation of the antenna in the horizontal plane	0-360 degrees
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Orientation of the antenna in the vertical plane	20-90 degrees
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