

**SCIENTIFIC RESEARCH LICENSE**

LICENSE NUMBER 02 010 24R-M

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TEAM MEMBERS: S. Demidenko, 2 TBA

TITLE: Transmit Array Antenna Farm

**OBJECTIVES OF RESEARCH:**

This project will conduct measurements of the polar ionosphere. In order to do this, this project will build a 16 by 16 transmit antenna array comprised of 30 foot monopoles (Phase 3 – footprint is 120 m by 120 m). This will expand on the 8 by 8 antenna array that is already at the Eureka site (Phase 2 – footprint is 60 m by 60 m). Other than surveying the locations to set ground plates for holding the antennas, no ground preparation is required. Each antenna will be held vertically using straps connected to four 75 cm long guy anchors that are driven into the soil.

**TERMS & CONDITIONS:**

The holder of the licence will be bound by the terms and conditions of the Nunavut Impact Review Board Screening Decision Report and the Department of Culture & Heritage archaeological sites terms and conditions. These terms and conditions will form part of this licence.

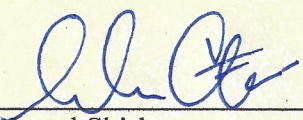
**DATA COLLECTION IN NU:**

DATES: April 1, 2024 to December 31, 2024

LOCATION: Eureka

Scientific Research License 02 010 24R-M expires on December 31, 2024

Issued at Iqaluit, NU on January 17, 2024

per   
Jamal Shirley  
Science Advisor

