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SCIENTIFIC RESEARCH LICENSE

LICENSE NUMBER 02 021 25R-M

ISSUED TO: Davor Mihajlovic
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Defense Research and Development Canada
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TEAM MEMBERS: S. Demidenko,A.Joyal,I.Rae

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 license will be bound by the terms and conditions of the Nunavut Impact Review Board Screening Decision Report (NIRB File # 19XN012) and the Department of Culture & Heritage archaeological sites terms and conditions. These terms and conditions will form part of this license.

DATA COLLECTION IN NU:
DATES: April 1,2025 to December 31,2025
LOCATION: Eureka

Scientific Research License 02 021 25R-M expires on December 31,2025
Issued at Iqaluit, NU on March 19,2025

James Shirley
Science Advisor

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