Nunavut Research Institute / ᓄᓇᕗᑦ ᖃᐅᔨᓴᖅᑐᑦᑎᐊᖅᑐᑦ
Box 1720, Iqaluit, NU X0A 0H0 phone:(867) 979-7279 fax: (867) 979-7109 e-mail: mosha.cote@arcticcollege.ca

SCIENTIFIC RESEARCH LICENSE

LICENSE NUMBER 02 003 23R-M

ISSUED TO: Davor Mihajlovic
Ottawa Research Centre
Defense Research and Development Canada
3701 Carling Avenue
Ottawa, Ontario
K1A 0Z4 Canada

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: February 15,2023 to September 30,2023
LOCATION: Eureka

Scientific Research License 02 003 23R-M expires on December 31,2023
Issued at Iqaluit, NU on December 7,2022

PER
Jamal Shirley
Science Advisor

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