



ATTACHMENT
Form 442
CONVENTIONAL LICENSE NARRATIVE

prepared for
University of Alaska – Fairbanks
Geophysical Institute
FRN: 0025173931

The Geophysical Institute (GI) is a research division of the University of Alaska Fairbanks (UAF), an NWCCU accredited educational institution affiliated with the State of Alaska.

The High-Frequency Active Auroral Research Program (HAARP) facility located in Chatanika, Alaska is dedicated to furthering understanding of the processes and mechanisms that inhabit the upper atmosphere. It is operated and funded by the Geophysical Institute at the University of Alaska – Fairbanks (“UAF”).

The applicant requests the use of its facility formerly licensed as WK2XXK to support ionospheric research in the HF frequency range to enable better prediction of ionospheric conditions and to understand the plasma physics of the solar-terrestrial interaction of the Earth’s atmosphere and magnetic field with the solar wind.

Specifically, the device is a DPS-4D Digisonde manufactured by Lowell Digisonde International. This device will continue to support ionospheric research in the 1 to 40 MHz range to enable better prediction of ionospheric conditions and to understand the plasma physics of the solar-terrestrial interaction of the Earth’s atmosphere and magnetic field with the solar wind.

From 2004 to 2014, prior to ownership transfer to UAF and licensing by the FCC, this facility was owned and operated by the US Air Force under DoD/NTIA authority. This unique research facility operated for many years without complaints of objectionable interference from other licensed operators.

The proposed operation is for a facility that exists and no new construction is required. Thus, no environmental assessment is necessary. RF exposure to personnel and the general public is controlled by limited access, signage and training.

The coordinates below represent the center of its antenna array.

NL 65-07-56; WL 147-27-17 (NAD 83)

The current contact for the licensee as indicated on Form 442 is:

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