

**ATTACHMENT**  
**Form 442**  
**WI2XDV LICENSE MODIFICATION NARRATIVE**  
**File Number 0090-EX-CM-2021**

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

The High-Frequency Active Auroral Research Program (HAARP) facility located in Gakona, 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 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.

The applicant requests the modification of WI2XDV (file number 0092-EX-CR-2021) for its ionosonde device for the purpose of correcting the geographic coordinates. A new location is being specified at the coordinates below. The applicant requests, if necessary, that the previous station location<sup>1</sup> be deleted from this authorization.

In the preparation of the recent license renewal application, it was discovered that the geographic coordinates are not correct on the original license. It is unknown how the original coordinates were derived. The facility has been at the same location as originally constructed, and no actual location change is proposed herein. The coordinates below represent the transmit antenna for the ionosonde device as determined using aerial images.

**NL 62-23-52; WL 145-09-31 (NAD 83)**

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

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<sup>1</sup> The incorrect geographic coordinates specified in the current license are NL 63-23-30; WL 145-08-48.