

ATTACHMENT
Form 442
WI2XDV LICENSE MODIFICATION NARRATIVE - Amended
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 location¹ 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 applicant acknowledges they must notch the following frequency bands as indicated on the current license:

2.495 - 2.505 MHz	5.450 - 5.680 MHz	14.990 - 15.010 MHz
2.850 - 3.025 MHz	6.525 - 6.685 MHz	17.900 - 17.970 MHz
3.400 - 3.500 MHz	8.815 - 8.965 MHz	19.990 - 20.010 MHz
4.650 - 4.700 MHz	9.995 - 10.100 MHz	21.924 - 22.000 MHz
4.995 - 5.005 MHz	11.275 - 11.400 MHz	24.990 - 25.010 MHz
	13.260 - 13.600 MHz	

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

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

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