

ATTACHMENT
Form 442
WI2XFX LICENSE MODIFICATION NARRATIVE
File Number 0157-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”).

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 from the current location without complaints of objectionable interference from other licensed operators.

The applicant requests the modification of WI2XFX (file number 0108-EX-CR-2021) of its high frequency ionospheric heater for the main purpose of correcting the geographic coordinates. A new location is being specified at the coordinates below. The applicant requests that the current station location¹ and all frequencies associated with this location be deleted from this authorization.

The facility has been at the same location since it was first constructed and authorized under DoD/NTIA authority. No actual location change or construction is proposed herein. The coordinates below represent the center of the antenna array as determined using aerial images.

NL 62-23-33; WL 145-09-03 (NAD 83)

No changes are proposed herein to the frequency ranges from those specified on the current license. However, the bandwidth and emission designators are being slightly modified in the three authorized portions between 3,026 and 3,154 kHz to utilize the maximum bandwidth in these frequency ranges and so they comport with the modulation authorized in other portions of the band.

¹ The incorrect geographic coordinates specified in the current license are NL 63-19-20; WL 145-10-50.