United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION

EXPERIMENTAL	WI2XFX
(Nature of Service)	(Call Sign)
XR FX	1767-EX-ST-2018
(Class of Station)	(File Number)

NAME University of Alaska Fairbanks Geophysical Institute

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:
HAARP is a high frequency ionospheric heater dedicated to furthering our understanding of the processes and mechanisms that inhabit the upper atmosphere.

Station Locations
(1) Gakona (Valdez-Cordova), AK - NL 63-19-20; WL 145-10-50

Frequency Information

Gakona (Valdez-Cordova), AK - NL 63-19-20; WL 145-10-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3025-3154 kHz	FX		645.654 MW (ERP)	1.6 %
		16K0N0N		
		40K5A3N		
		43K0H0N		
		26K0P0N		
		16K0M0N		
		46K0F3N		
3500-4437 kHz	FX		1.071 GW (ERP)	1.3 %
		26K0N0N		
		40K5A3N		

This authorization effective November 15, 2018 and will expire 3:00 A.M. EST January 01, 2019

FEDERAL COMMUNICATIONS COMMISSION

Frequency Information

Gakona (Valdez-Cordova), AK - NL 63-19-20; WL 145-10-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3500-4437 kHz	FX		1.071 GW (ERP)	1.3 %
		43K0H0N		
		26K0P0N		
		16K0M0N		
		46K0F3N		
4651-4749 kHz	FX		1.2 GW (ERP)	0.98 %
		26K0N0N		
		40K5A3N		
		43K0H0N		
		26K0P0N		
		16K0M0N		
		46K0F3N		
4996-5004 kHz	FX		1.47 GW (ERP)	0.92 %
		16K0N0N		
		40K5A3N		
		43K0H0N		
		26K0P0N		
		16K0M0N		
		46K0F3N		
5680-5729 kHz	FX		1.819 GW (ERP)	0.77 %
		16K0N0N		
		40K5A3N		
		43K0H0N		
		26K0P0N		
		16K0M0N		
		46K0F3N		
6200-6525 kHz	FX		2.45 GW (ERP)	0.65 %
		16K0N0N		
		40K5A3N		
		43K0H0N		
		26K0P0N		

Frequency Information

Gakona (Valdez-Cordova), AK - NL 63-19-20; WL 145-10-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6200-6525 kHz	FX		2.45 GW (ERP)	0.65 %
		16K0M0N		
		46K0F3N		
6685-6764 kHz	FX		2.45 GW (ERP)	0.65 %
		46K0F3N		
		16K0M0N		
		26K0P0N		
		43K0H0N		
		40K5A3N		
		16K0N0N		
7001-7299 kHz	FX		2.818 GW (ERP)	0.65 %
		16K0N0N		
		40K5A3N		
		43K0H0N		
		26K0P0N		
		16K0M0N		
		46K0F3N		

Special Conditions:

(1) University of Alaska Fairbanks Geophysical Institute must notch out the following (+/- 2.4 kHz): 3054.4 kHz, 3057.4 kHz, 3120.4 kHz, 3123.4 kHz, 4731.4 kHz, 4734.4 kHz, 5681.4 kHz, 5694.4 kHz, 5697.4 kHz, 5700.4 kHz, 6710.4 kHz, 6743.4 kHz.