Educational Media Foundation
5700 West Oaks Boulevard
Rocklin, CA 95765

K220GC
Minot, ND

Purpose of this Application

Educational Media Foundation ("EMF") submits this application for the purpose of correcting the transmitter geographic coordinates to match the Antenna Structure Registration coordinates.

No changes to the site elevation, center of radiation, or effective radiated power are proposed.

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Channel Study

REFERENCE CH# 220D - 91.9 MHz, Pwr= 0.25 kW, HAAT= 63.8 M, COR= 582.6 M DISPLAY DATES
48 16 47.0 N. Average Protected F(50-50)= 10.5 km DATA 11-10-21
101 21 10.6 W. Omni-directional SEARCH 11-11-21

CH	CALL	TYPE	ANT	AZI.	DIST	LAT.	Pwr(kW)	INT(km)	PRO(km)	*IN*	*OUT*
CITY		STATE		<--	FILE #	LNG.	HAAT(M)	COR(M)	LICENSEE	(Overlap in km)	
220D	K220GC!	LIC	CN	198.4	0.06	48 16 45.00	0.250		---Reference---		
Minot		ND		18.4	BMLFT20160222AAU	101 21 11.60		582	Educational Media Foundati		
220B	CBKF-4	LIC	DCN	353.2	138.39	49 30 55.00	4.700	86.2	39.7	41.2	19.3
Bellegarde		SK		173.0		101 34 52.60	106	663			

Terrain database is FCC NGDC 30 Sec, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM
In & Out distances between contours are shown at closest points. Reference Zone= West Zone, Co to 3rd adjacent.
All separation margins (if shown) include rounding. Call signs with exclamation marks need not be protected.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)

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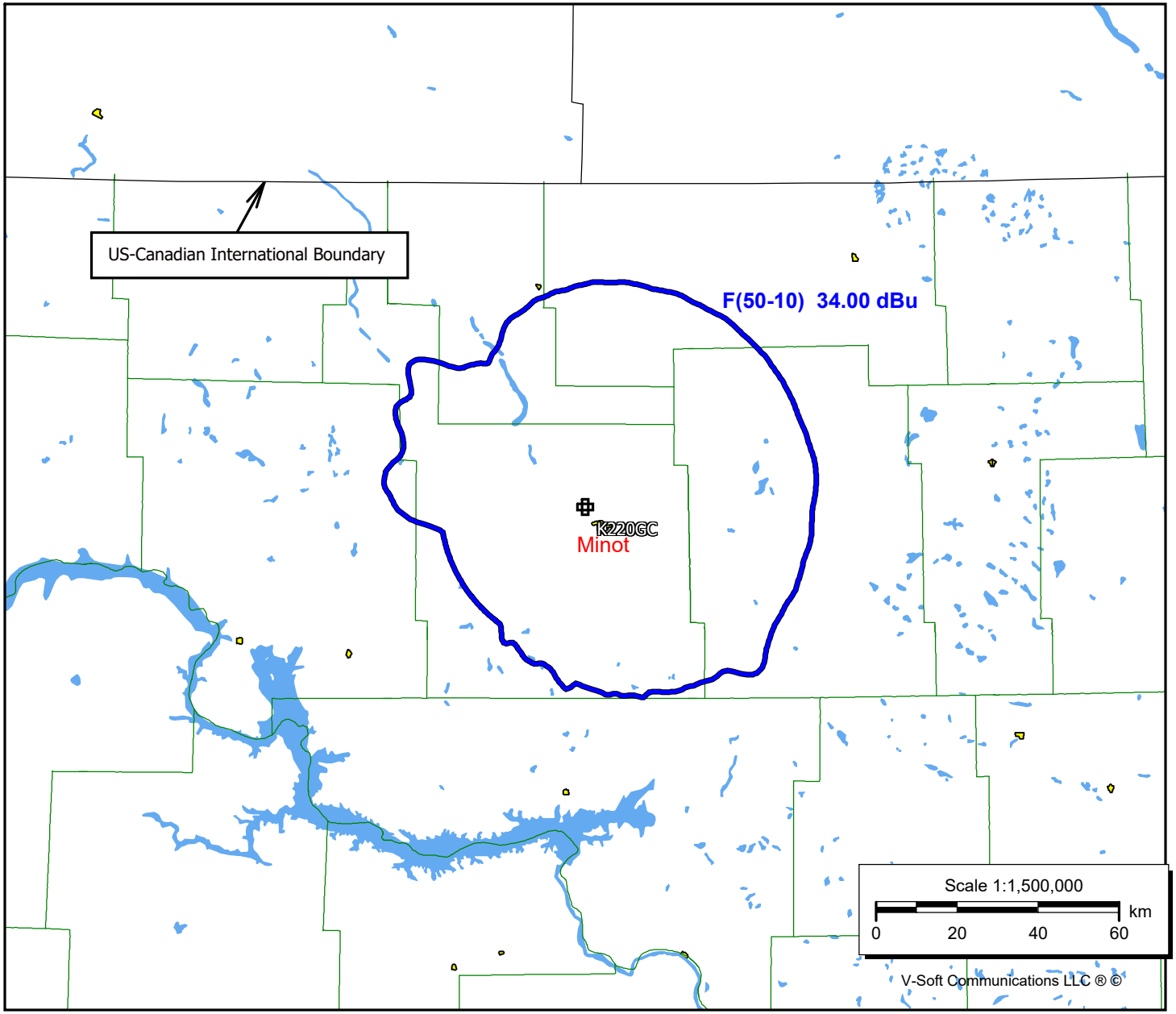
Compliance with International Requirements

The proposed FM translator is located approximately 79km from the Canadian border. Exhibit 2-A shows that the 34dBu interfering contour of the proposed translator at no point extends beyond the US-Canadian border.

Therefore, the proposed translator fully complies with the requirement of 47 C.F.R. 74.1235(d) of the Commission's rules.

Exhibit 2-A
US-Canadian International Compliance

K220GC
BMLFT20160222AAU
Latitude: 48-16-47 N
Longitude: 101-21-10.60 W
ERP: 0.25 kW
Channel: 220
Frequency: 91.9 MHz
AMSL Height: 582.6 m
Elevation: 552.6 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None



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Environmental Protection

There are two main factors that need to be addressed in order to make sure that the environment around a proposed facility is protected.

1- Significant affects to the environment.

EMF's proposed facility will be constructed on an existing tower (tower ID 1062228) and will cause no adverse effects to the surrounding environment at the site.

2- Human exposure to excess levels of radiofrequency radiation.

The proposed facility is to be built using a 2-bay circularly polarized fullwaved spaced antenna. The maximum theoretical RF value would be 11.0uW/cm^2 at a distance of 7 meters from the tower, which is 5.5% of the 200 uW/cm^2 permitted for public (uncontrolled) exposure, and 1.1% of the 1000 uW/cm^2 permitted for worker (controlled) exposure.

Therefore, the proposed facility complies with the requirements of OET 65.

EMF will fully cooperate with other future site users to temporarily reduce power or cease broadcasting, as necessary, to protect workers and others having access to the site from excessive levels of RF Radiation.