



## Refuge Media Group (RMG)

### Exhibit 12-1 Contour Study for channel 220 FX

(Watertown, SD Proposal)

11/12/2008

Channel: 220 (91.9 MHz)

Antenna: Non-directional Circularly Polarized

ERP: 0.100 kW (H & V)

Max HAAT: 43.1 m

North Lat: 44° 54' 23"

West Lon: 97° 6' 20"

Terrain Data: FCC 30-Sec DEM(NGDC)

Distances to the following contours:

60 dBu F(50,50): 6.7 km; 40 dBu F(50,10): 22.5 km; 54 dBu F(50,10): 9.6 km; 100 dBu F(50,10): 0.7 km

Call	Channel	Class	Frequency	Status	City	State	Country	File Number
Docket	FacilityID	ERP	DA?	HAAT	RCAMSL	RCAGL	Latitude	Longitude
ASRN	Dist(km)	Dist(mi)	Azimuth	Licensee/Permittee		Req	Dist	Clear by
<a href="#">KRSU</a>	217	C0 FM	91.3 MHz	LIC	APPLETON	MN	US	BLED-20071206ACC
-	<a href="#">42967</a>		82. kW		345.2 m	652.5 m	337. m	N 45 10 3.10 W 96 0 27
<a href="#">1031878</a>	91.8 km	57.03 mi	71.12°	MINNESOTA PUBLIC RADIO				
Dist to 60	dBu F(50,50) contour: 73.7 km					74.4 km		17.4 km

<a href="#">KRFW</a>	220	A FM	91.9 MHz	CP	WATERTOWN	SD	US	BNPED-20071012AIA
-	<a href="#">173776</a>		0.75 kW		72. m	645. m	97. m	N 44 51 56.00 W 97 6 20
<a href="#">1054975</a>	4.54 km	2.82 mi	180.00°	REFUGE MEDIA GROUP (NEW BOARD)				

Note: RMG is licensee of K220IT and permittee of KRFW. RMG wishes to operate K220IT at the higher power level specified in this application until KRFW replaces K220IT.

<a href="#">KLQP</a>	221	C3 FM	92.1 MHz	LIC	MADISON	MN	US	BLH-19980706KB
-	<a href="#">36198</a>		25. kW		91. m	415. m	86. m	N 45 1 37.00 W 96 11 1
<a href="#">1025255</a>	73.7 km	45.77 mi	79.16°	LAC QUI PARLE BROADCASTING CO., INC.				
Dist to 60	dBu F(50,50) contour: 37.5 km					47.1 km		26.6 km

### Map Showing Lack of Prohibited Contour Overlap

