



Refuge Media Group

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Exhibit 12-1 Allocation Study for channel 218 FX

(Dolliver, IA Proposal 11/1/2006)

Channel: 218 (91.5 MHz)

Antenna: Non-directional Vertically Polarized

ERP: 0.110 kW

North Lat: 43° 32' 38"

West Long: 94° 43' 13"

HAAT (Max of 12 evenly spaced radials:) 26.6 m (60°)

Dist to: **60 dBu** F(50,50) 5.8 km **40 dBu** F(50,10) 19.1 km **54 dBu** F(50,10) 8.2 km **100 dBu** F(50,10) 0.7 km

Call	Channel	Class	Service	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

KTPR	216	C	FM	91.1 MHz	LIC	FORT DODGE	IA	US	BLED-19881123KB	-
29066				100. kW		321. m	672. m	320. m	N 42 49	3.00 W 94 24 41.00 -
82.5 km	51.24 mi	168.09°	IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY							
Distance to 60 dBu F(50,50) Contour:									74.7 km	7.8 km

KNGA	218	C2	FM	91.5 MHz	LIC	ST. PETER	MN	US	BLED-19920303KA	-
42944				8.5 kW		183. m	471. m	168. m	N 44 13	20.00 W 94 7 3.00 -
85.5 km	53.14 mi	27.94°	MINNESOTA PUBLIC RADIO							
Distance to 60 dBu F(50,50) Contour:									59.4 km	26.1 km

K220AQ	220	D	FX	91.9 MHz	LIC	FAIRMONT	MN	US	BLFT-19840525MB	-
39791				0.013 kW		46. m	432. m	0. m	N 43 38	30.00 W 94 28 25.00 -
16.0 km	9.99 mi	47.32°	MANKATO STATE UNIVERSITY							
Distance to 60 dBu F(50,50) Contour:									4.9 km	11.1 km

