

# The Refuge

## Positive Hit Music

### Refuge Media Group

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### Exhibit 12-1

### Allocation Study for channel 249FX (Lake Park, IA Proposal)

10/15/2003

Channel: 249 (97.7 MHz)

Antenna: Non-directional Circularly Polarized

ERP: 0.250 kW

HAAT (Max of 12 evenly spaced radials:) 91.8 m

Max Dist to: **60 dBu F(50,50):** 12.43; **40 dBu F(50,10):** 42.79 km; **54 dBu F(50,10):** 18.41 km; **100 dBu F(50,10):** 1.11 km

North Lat: 43° 28' 50"

West Lon: 95° 10' 45"

Facility ID: 83434

Callsign Channel Frequency Class Service										City		State	Country	FileNumber	FacilityID	ERP
HAAT(H&V)	RCAMSL(H&V)	RCAGL(H&V)	Coordinates		Lat	Lon	(NAD27)	Dist	Required	Dist	<a href="#">Clear by</a>					
<a href="#">NEW</a>	246	97.1	MHz	D	FX	APP	SPIRIT LAKE		IA	BNPFT	-20030317GBH	<a href="#">143883</a>	.250 kW			
61.0	61.0	501.0	501.0	29.0	29.0	N Lat	43° 25' 0" W Lon	95° 1' 6"			14.83 km	11.36 km	<a href="#">3.47 km</a>			
<a href="#">NEW</a>	247	97.3	MHz	D	FX	APP	SPIRIT LAKE		IA	BNPFT	-20030317EMR	<a href="#">152284</a>	.140 kW			
117.1	117.1	556.4	556.4	84.0	84.0	N Lat	43° 25' 45" W Lon	95° 0' 46"			14.63 km	13.16 km	<a href="#">1.47 km</a>			
<a href="#">NEW</a>	247	97.3	MHz	D	FX	APP	FAIRMONT		MN	BNPFT	-20030317IGS	<a href="#">152809</a>	.092 kW			
143.9	143.9	511.8	511.8	140.0	140.0	N Lat	43° 33' 20" W Lon	94° 29' 11"			56.63 km	13.15 km	<a href="#">43.48 km</a>			
<a href="#">KDOU-LP</a>	248	97.5	MHz	L1	FL	CP	SIBLEY		IA	BNPL	-20010615AJL	<a href="#">134043</a>	.100 kW			
30.0	536.0		30.0			N Lat	43° 25' 57" W Lon	95° 41' 45"			42.16 km	24.05 km	<a href="#">18.11 km</a>			
<a href="#">KLGR-FM</a>	249	97.7	MHz	C1	FM	CP	REDWOOD FALLS		MN	BPH	-19981119ID	<a href="#">9654</a>	60.0 kW			
88.0	88.0	396.0	396.0	84.0	84.0	N Lat	44° 32' 35" W Lon	95° 7' 57"			118.12 km	86.85 km	<a href="#">31.27 km</a>			
<a href="#">KLGR-FM</a>	249	97.7	MHz	A	FM	LIC	REDWOOD FALLS		MN	BLH	-	<a href="#">9654</a>	3.00 kW			
91.0	91.0	400.0	400.0	88.0	88.0	N Lat	44° 32' 33" W Lon	95° 7' 57"			118.05 km	65.93 km	<a href="#">52.12 km</a>			
<a href="#">KBEW-FM</a>	251	98.1	MHz	C3	FM	LIC	BLUE EARTH		MN	BLH	-19940105KD	<a href="#">33651</a>	25.0 kW			
100.0	100.0	429.0	429.0	107.0	107.0	N Lat	43° 40' 1" W Lon	94° 7' 19"			87.88 km	40.19 km	<a href="#">47.69 km</a>			
<a href="#">NEW</a>	252	98.3	MHz	D	FX	APP	SPENCER		IA	BNPFT	-20030317HFU	<a href="#">152235</a>	.170 kW			
110.7	110.7	525.1	525.1	110.0	110.0	N Lat	43° 6' 47" W Lon	95° 6' 52"			41.16 km	13.41 km	<a href="#">27.75 km</a>			

