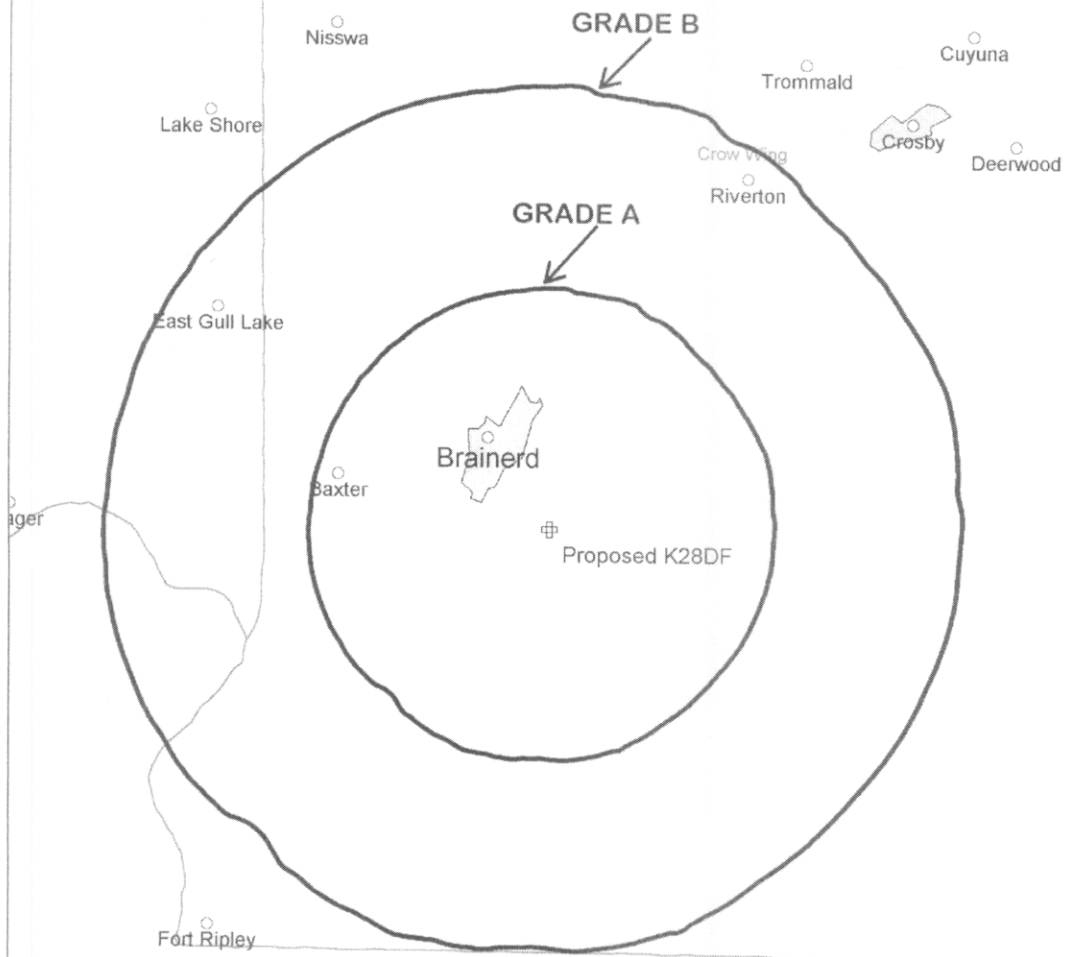


POPULATION (2000 CENSUS)
GRADE A (74 DBU) : 23,178
GRADE B (64 DBU) : 34,927

Smith and Fisher



Scale 1:250,000
0 3 6 9 km

EXHIBIT B

EXHIBIT C

PROPOSED OPERATING PARAMETERS

TELEVISION TRANSLATOR K28DF
CHANNEL 48 - BRAINERD, MINNESOTA

Transmitter Power Output:	0.135 kw
Transmission Line Efficiency:	60.3%
Antenna Power Gain – Toward Horizon:	14.06
Antenna Power Gain – Main Lobe:	14.06
Effective Radiated Power – Toward Horizon:	1.14 kw
Effective Radiated Power – Main Lobe:	1.14 kw
Transmitter Make and Model:	Type-accepted
Rated Output	135 watts
Transmission Line Make and Model:	Andrew HJ8-50B
Size and Type:	3" air heliax
Length:	500 feet
Antenna Make and Model:	Scala SL-8
Orientation	omnidirectional
Beam Tilt	1.75 degrees
Effective Height Above Ground:	137 meters
Effective Height Above Mean Sea Level:	524 meters

EXHIBIT D

Smith and Fisher

Proposed K28DF
BRAINERD MNREFERENCE
46 19 19 N
94 09 55 W

LPTV Pwr = 1.2 kW, HAMS L COR= 524 M

DISPLAY DATES
DATA 08-24-02
SEARCH 08-28-02

..... Channel 48Z, 674 MHz

Call	Channel	Location	Dist	Azi	FCC	Margin	
NEW*	AP	47+ Aitkin	MN	34.43	46.3	> 018.24	16.19
K33ET*	LI	33Z Aitkin	MN	32.35	42.8	> 015.74	16.61
NEW*	AP	47Z Royalton	MN	48.83	195.1	> 029.85	32.70
WEUX*	LI	48Z Chippewa Falls	WI	246.88	127.1	> 214.94	35.17
NEW*	AP	48Z Bemidji	MN	140.40	337.2	> 107.27	35.36
NEW*	AP	48Z Cloquet	MN	141.42	68.2	> 108.77	43.58
K49CU*	LI	49- Walker	MN	71.63	342.0	> 022.85	48.78
K48DV*	LI	48+ Alexandria	MN	108.10	246.8	> 058.22	49.88
AP722*	AP	48+ Grand Rapids	MN	117.77	28.0	> 066.01	51.76
NEW*	AP	48N Duluth	MN	164.96	73.2	> 105.91	59.05
NEW*	AP	48Z Duluth	MN	164.96	73.2	> 100.99	63.97
AP779*	AP	48Z Duluth	MN	164.96	73.2	> 100.99	63.97
NEW*	AP	47Z Wadena	MN	73.26	280.5	> 013.44	64.10

* Actual radials antenna height and directional patterns used (if any)