

EXHIBIT A

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of UHF TV, INC., licensee of Low Power Television Station K52GK, Channel 52 in Willmar, Minnesota, in support of this Application for Construction Permit to specify operation on Channel 34 from the licensed K52GK site. This proposal is being submitted in response to the Commission's reclamation of Channel 52 spectrum for future auction, thereby placing this LPTV station in a displacement situation.

It is proposed to mount a standard MCI omnidirectional antenna at the 144-meter level of an existing 153-meter communications tower. Exhibit B is a map upon which the predicted service contours are plotted. It is important to note that the newly proposed 74 dBu contour encompasses a significant portion of that which obtains from the licensed K52GK facility. Operating parameters for the proposed facility are tabulated in Exhibit C. A contour overlap analysis and interference study are provided in Exhibit D, and a power density calculation follows as Exhibit E.

Because no change in the overall height or location of the existing tower is proposed, the FAA has not been notified of this application. The FCC issued Antenna Structure Registration Number 1040404 to this tower.

I declare under penalty of perjury that the foregoing statements and the attached exhibits, which were prepared by me or under my immediate supervision, are true and correct to the best of my knowledge and belief.



KEVIN T. FISHER

December 23, 2003

CONTOUR POPULATION
GRADE A (74 DBU) : 24,679
GRADE B (64 DBU) : 33,681

Smith and Fisher

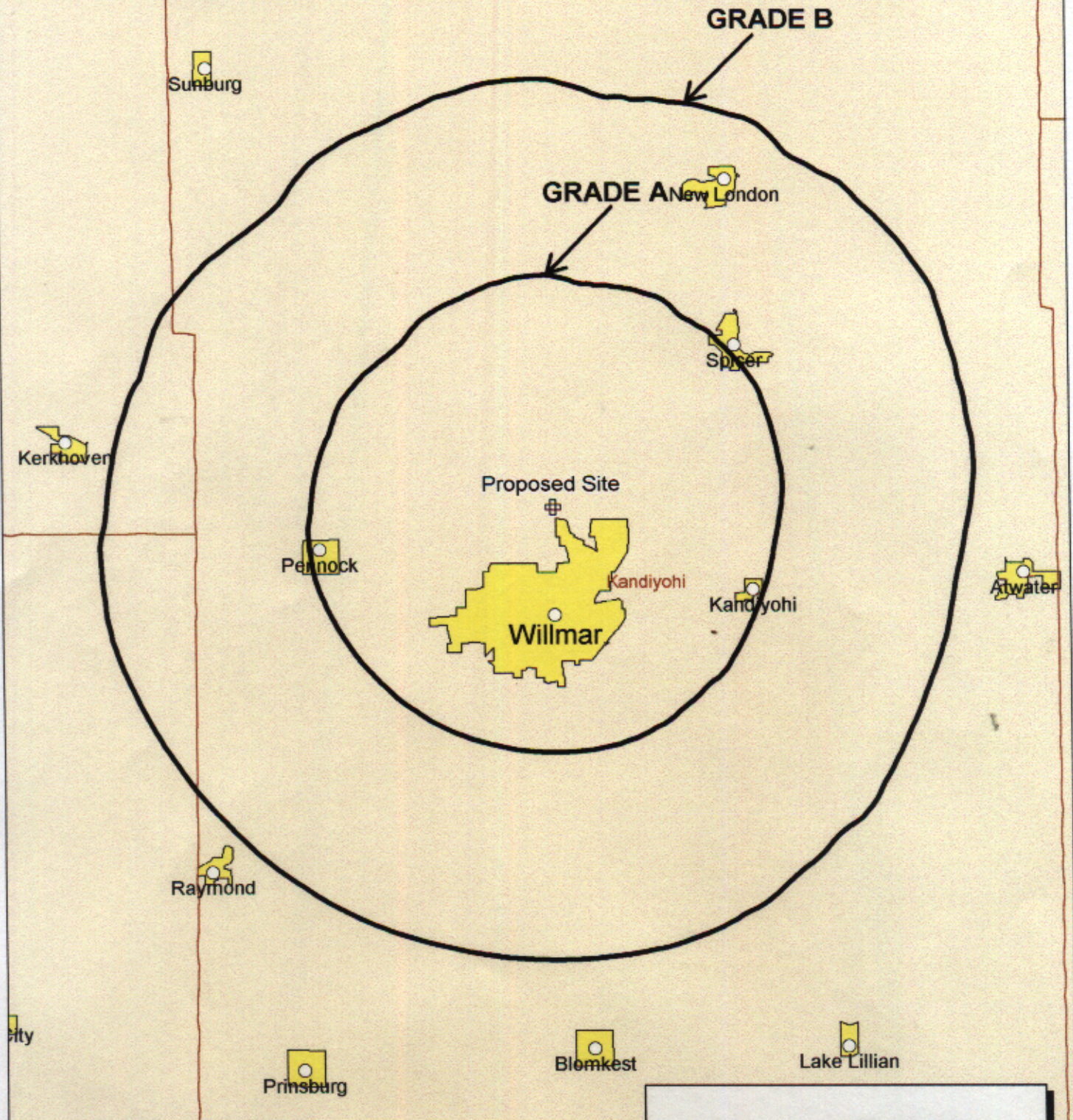


EXHIBIT B

EXHIBIT C

PROPOSED OPERATING PARAMETERS

PROPOSED K52GK
CHANNEL 34 – WILLMAR, MINNESOTA

Transmitter Power Output:	0.1 kw
Transmission Line Efficiency:	57.0%*
Antenna Power Gain – Toward Horizon:	22.3
Antenna Power Gain – Main Lobe:	22.3
Effective Radiated Power – Toward Horizon:	1.3 kw
Effective Radiated Power – Main Lobe:	1.3 kw
Transmitter Make and Model:	Type-accepted
Rated Output	0.1 kw
Transmission Line Make and Model:	Andrew HJ8-50B
Size and Type:	3" air heliax
Length:	480 feet
Antenna Make and Model:	MCI 955126
Orientation	Omnidirectional
Beam Tilt	0 degrees
Effective Height Above Ground:	144 meters
Effective Height Above Mean Sea Level:	510 meters

*includes combiner loss of 0.5 dB

CONTOUR OVERLAP AND
LONGLEY-RICE INTERFERENCE STUDIES
PROPOSED K52GK
CHANNEL 34 – WILLMAR, MINNESOTA

We conducted a computer analysis of the interference situation for the proposed facility, the results of which are shown in Exhibit D-2. The study is based on contour protection requirements of Sections 74.705, 74.706, and 74.707 of the FCC's Rules with respect to analog full-power, digital full-power, and low power television stations, respectively. It concludes that the facility proposed herein meets these requirements except to one station: KTCA-DT, Channel 34 in St. Paul, Minnesota.

We then conducted detailed interference studies using the Longley-Rice methodology contained in the Commission's *OET Bulletin No. 69*, with respect to the various KTCA-DT facilities. The software utilizes a 2-square kilometer cell size (except where noted), calculates signal strength at 1.0 kilometer increments along each radial studied, and employs the 1990 U.S. Census to count population within cells. In addition, the program does not attribute interference to the proposed facility in cells within the protected contour of the station under study where interference from another source (other than proposed K52GK) already is predicted to exist (also known as "masking"). The results of these studies are provided in Exhibit D-3. They conclude that the station proposed herein causes no significant new interference to any of the KTCA-DT facilities.

EXHIBIT D-1

As a result, waiver of Section 74.706 of the Commission's Rules with respect to interference to KTCA-DT is requested and believed to be justified based on the aforementioned Longley-Rice studies.

SMITH AND FISHER

EXHIBIT D-2

REFERENCE

45 09 58 N

LPTV Pwr = 2 kW, HAMS L COR= 509 M

95 02 37 W

DISPLAY DATES

DATA 12-17-03

SEARCH 12-18-03

..... Channel 34+, 590 MHz

Call	Channel	Location		Dist	Azi	FCC	Margin
KTCA-D CP	34	Saint Paul	MN	151.53	93.9	> 266.57	-115.04
KTCA-D ST	34	Saint Paul	MN	151.53	93.9	> 257.39	-105.86
KPXM LI	41Z	St. Cloud	MN	107.53	76.5	> 100.00	7.53
K34AF LI	34Z	Alexandria	MN	90.88	339.9	> 063.26	27.62
KUSD-D CPM	34	Vermillion	SD	273.27	211.2	> 244.35	28.92
ALK17F AL	20-	Wadena	MN	141.77	357.2	> 112.53	29.24
K19BG LI	19-	St. Cloud	MN	74.66	58.2	> 045.05	29.61
KARE-D LI	35	Minneapolis	MN	150.31	93.7	> 114.51	35.80
KARE ALD	35	MINNEAPOLIS	MN	150.31	93.7	> 112.05	38.26
K24CS CP	19-	Granite Falls	MN	58.35	226.6	> 019.66	38.69
KARE-D ST	35	Minneapolis	MN	150.31	93.7	> 107.56	42.75
K35DK LI	35Z	Granite Falls	MN	58.35	226.6	> 015.55	42.80
K32DR CP	33Z	Granite Falls	MN	58.35	226.6	> 015.54	42.81
K19CV LI	19+	Redwood Falls	MN	68.77	174.9	> 019.78	48.99
K19CW LI	19Z	Appleton	MN	74.92	271.5	> 020.37	54.55
K33CR LI	33+	Appleton	MN	74.92	271.5	> 015.59	59.33
KSMN LI	20Z	Worthington	MN	158.19	207.2	> 085.30	72.89

INTERFERENCE SUMMARY

PROPOSED K52GK
CHANNEL 34 - WILLMAR, MINNESOTA

<u>Call Sign</u>	<u>Status</u>	<u>City, State</u>	<u>Ch.</u>	<u>Longley-Rice Service Population</u>	<u>Unmasked Interference From Proposed Facility</u>	<u>%</u>
KTCA-DT BOEDT-20000331AAX	CP	St. Paul, MN	34	2,904,253	1,616	<0.1
KTCA-DT BDSTA-20030815AFG	STA	St. Paul, MN	34	2,763,299	0	0