

EXHIBIT A

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of UHF TV, INC., licensee of television translator K50HZ, Channel 50 in Willmar, Minnesota, in support of this Application for Construction Permit to specify digital operation on Channel 50 from the licensed K50HZ site, as a "flashcut" proposal.

It is proposed to utilize the licensed MCI omnidirectional antenna at the authorized height on the side of the 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 51 dBu contour encompasses a significant portion of the Grade A contour that obtains from the licensed K50HZ facility. An interference study is provided in Exhibit C, and a power density calculation follows as Exhibit D.

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.


KYLE T. FISHER

June 12, 2009

CONTOUR POPULATION

51.00 dBu : 45,745

41.00 dBu : 71,191

SMITHANDFISHER

41 dBu

51 dBu

K50HZ-D

Kandiyohi

Kandiyohi

EXHIBIT B

Scale 1:500,000

0 7.0 14.0 21 km

EXHIBIT C-1

LONGLEY-RICE INTERFERENCE STUDY
PROPOSED K50HZ-D
CHANNEL 50 – WILLMAR, MINNESOTA

We conducted a detailed interference study using the Longley-Rice methodology contained in the Commission's *OET Bulletin No. 69*, with respect to all facilities of concern. The software utilizes a 2-square kilometer cell size, calculates signal strength at 1.0 kilometer increments along each radial studied, and employs the 2000 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 K50HZ-D) already is predicted to exist (also known as "masking"). The results of this study are provided in Exhibit C-2. Both conclude that the facility proposed herein causes no significant new interference to any of the potentially affected stations.

As a result, it is believed that the proposed digital K50HZ-D facility complies with the requirements of Sections 74.709, 74.793(e), 74.793(f), 74.793(g), 74.793(h), 74.794(b) and 73.1030 of the Commission's Rules.

INTERFERENCE SUMMARY

PROPOSED K50HZ-D
CHANNEL 50 – 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>
K50KP-D BDCCDTL-20070517AAD	CP	Granite Falls, MN	50	24,055	309	1.3
KSTP-DT BLCDT-20020103AAM	Lic.	St. Paul, MN	50	3,412,307	72	<0.1

K50HZ_D_summary
Summary Study

2000 Census data selected
TV INTERFERENCE and SPACING ANALYSIS PROGRAM

Date: 06-08-2009 Time: 15:53:40

Record Selected for Analysis

K50HZ-D USERRECORD-01 WILLMAR MN US
 Channel 50 ERP 0.54 kw HAAT 152. m RCAMSL 00510 m SIMPLE MASK
 Latitude 045-09-58 Longitude 0095-02-37
 Status APP Zone 1 Border
 Dir Antenna Make usr Model USRPAT01 Beam tilt N Ref Azimuth 0.
 Last update Cutoff date Docket
 Comments
 Applicant

Cell Size for Service Analysis 2.0 km/side

Distance Increments for Longley-Rice Analysis 1.00 km

Not full service station

Facility meets maximum power limit

Azimuth (Deg)	ERP (kw)	HAAT (m)	51.0 dBu F(50,90) (km)
0.0	0.540	151.4	29.8
45.0	0.540	151.7	29.8
90.0	0.540	137.4	28.8
135.0	0.540	151.9	29.8
180.0	0.540	168.6	30.8
225.0	0.540	165.8	30.7
270.0	0.540	155.8	30.0
315.0	0.540	136.1	28.8

Contour Overlap to Proposed Station

Contour Overlap Evaluation to Proposed Station Complete

LANDMOBILE SPACING VIOLATIONS FOUND

NONE

Proposed facility OK to FCC Monitoring Stations

Proposed facility OK toward West Virginia quite zone

Proposed facility OK toward Table Mountain

Proposed facility is within the Canadian coordination distance
 Distance to border = 384.5km

K50HZ_D_summary

Proposed facility is beyond the Mexican coordination distance

Proposed station is OK toward AM broadcast stations

Start of Interference Analysis

Channel	Proposed Station	Call	City/State	ARN
50	K50HZ-D	WILLMAR MN		USERRECORD01

Stations Potentially Affected by Proposed Station

Chan	Call	City/State	Dist(km)	Status	Application	Ref. No.
35	K35DK	GRANITE FALLS MN	58.3	LIC	BLTTL	-19930217IP
35	K35DC	ST. JAMES MN	122.8	LIC	BLTTL	-19970522JJ
35	K35DC	ST. JAMES MN	122.8	CP	BPTTL	-20080602AHN
42	KSAX	ALEXANDRIA MN	60.2	LIC	BLCT	-19870925KJ
42	K42AV	ST. JAMES MN	122.8	LIC	BLTTL	-19970507JP
42	K42AV	ST. JAMES MN	122.8	CP	BPTTL	-20080602AHS
43	K43JE-D	LAKE CRYSTAL MN	133.7	CP	BNPTTL	-20000830BJV
43	K43HB	MINNEAPOLIS MN	140.6	LIC	BLTTL	-20070709ACT
46	K46FY	REDWOOD FALLS MN	68.8	LIC	BLTTL	-20011219AAH
46	K46AA	ST. JAMES MN	122.8	LIC	BLTTL	-19970522JG
46	K46AA	ST. JAMES MN	122.8	CP	BPTTL	-20080602AHX
46	K46AC	WILLMAR MN	0.1	LIC	BLTT	-19810122JN
47	K60EJ	ALEXANDRIA MN	90.9	CP	BDISTTL	-20060828ACD
47	K47EA	GRANITE FALLS MN	58.3	LIC	BLTTL	-19930917JD
47	K47JE	OLIVIA MN	47.2	APP	BSTA	-20070117ADB
47	K47JE	OLIVIA MN	47.2	LIC	BLTTL	-20070126AAL
48	K48DV	ALEXANDRIA MN	90.9	LIC	BLTTL	-19930427JE
48	K48GQ	REDWOOD FALLS MN	68.8	LIC	BLTTL	-20011219AAI
48	K48AA	ST. JAMES MN	122.8	LIC	BLTTL	-19970507JM
48	K48AA	ST. JAMES MN	122.8	CP	BPTTL	-20080602AHY
48	K48AH	WILLMAR MN	0.1	LIC	BLTT	-19810122JK
49	K49FA	FERGUS FALLS MN	164.8	LIC	BLTTL	-19990324JA
49	K49JG	FROST MN	196.7	LIC	BLTTL	-20070316AAN
49	K49KM-D	GRANITE FALLS MN	58.3	CP	BDCCDTL	-20070517AAB
49	K49JU-D	JACKSON MN	173.8	LIC	BLDTL	-20080505AAW
49	K49KQ	LITTLE FALLS MN	92.1	LIC	BLTT	-20090206AAJ
49	K49AJ	OLIVIA MN	47.2	LIC	BLTT	-19820208IK
49	K49HE	ST. JAMES MN	122.9	LIC	BLTTL	-20051006ABC
49	K49HE	ST. JAMES MN	122.9	CP	BPTTL	-20080604AAT
49	K49CU	WALKER MN	201.7	LIC	BLTT	-19910226IJ
50	KDIN-TV	DES MOINES IA	388.3	LIC	BLEDT	-20050218ABR
50	K50KJ-D	SIOUX CITY IA	313.8	CP	BDCCDTL	-20061030ACG
50	K50DB	ALEXANDRIA MN	90.9	LIC	BLTTL	-19930427JD
50	K50IZ	DULUTH MN	288.7	LIC	BLTTL	-20080321ACP
50	K50KD-D	FROST MN	196.7	CP	BDCCDTL	-20061020AAK
50	K50KP-D	GRANITE FALLS MN	58.3	CP	BDCCDTL	-20070517AAD
50	K61GE	JACKSON MN	173.8	CP	BDISTTL	-20060720ACY
50	KTCJ-LP	MINNEAPOLIS MN	147.0	CP	BDISDTL	-20090206ACO
50	K50KF	REDWOOD FALLS MN	68.8	APP	BSTA	-20060707AFF
50	K50KF	REDWOOD FALLS MN	68.8	LIC	BLTT	-20070227ACU
50	K50AB	ST. JAMES MN	122.8	LIC	BLTTL	-19970522JF
50	K50AB	ST. JAMES MN	122.8	CP	BPTTL	-20080602AIA
50	KSTP-TV	ST. PAUL MN	149.8	LIC	BLCDT	-20020103AAM
50	K50DG	BROOKINGS SD	166.6	LIC	BLTTL	-19980622JG
50	W67CH	LA CROSSE WI	328.3	CP MOD	BMPDTT	-20080721AAL
51	K65HD	ALEXANDRIA MN	90.9	CP	BDISTTL	-20060828AFF
51	K51KB	FROST MN	196.7	LIC	BLTTL	-20070316ABX

				K50HZ_D_summary		
51	K51KB	FROST MN	196.7	APP	BSTA	-20061006AAJ
51	K51EN	JACKSON MN	173.8	LIC	BLTTL	-19950314IN
51	WDMI-LD	MINNEAPOLIS MN	149.8	CP	BDCCDTL	-20081215AAP
51	K51AL	OLIVIA MN	47.2	LIC	BLTT	-19820208IL
51	K51GL	VESTA MN	83.6	LIC	BLTTL	-20040202AKY
52	K52DZ	ALEXANDRIA MN	90.9	LIC	BLTTL	-19921117JM
52	K52GU	REDWOOD FALLS MN	68.8	LIC	BLTTL	-20011219AAJ
52	K52AB	ST. JAMES MN	122.8	CP	BPTTL	-20080604AAG
52	K52AB	ST. JAMES MN	122.8	LIC	BLTT	-20050908ADI
53	K53AO	OLIVIA MN	47.2	LIC	BLTT	-19820208IJ
57	K58DS	ALEXANDRIA MN	90.9	APP	BSTA	-20080822AAE
57	K57AE	OLIVIA MN	47.2	LIC	BLTT	-1617
58	K58DS	ALEXANDRIA MN	90.9	LIC	BLTTL	-19911008JE
58	K58AS	REDWOOD FALLS MN	68.8	LIC	BLTT	-19781023IM

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study of this proposal found the following interference problem(s):

NONE.

EXHIBIT D

POWER DENSITY CALCULATION
PROPOSED K50HZ-D
CHANNEL 50 – WILLMAR, MINNESOTA

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Willmar facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 0.54 kw, an antenna radiation center 144 meters above ground, and the vertical relative field value of 10 percent at the steeper elevation angles of the MCI antenna, maximum power density two meters above ground of 0.0000090 mw/cm² is calculated to occur near the base of the tower. Since this is less than 0.1 percent of the 0.46 mw/cm² reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 50 (686-692 MHz), this proposal may be excluded from consideration with respect to public exposure to nonionizing electromagnetic radiation.

Further, the station owner will take whatever precautionary steps are necessary, such as reducing power or leaving the air temporarily, to ensure that workers operating in the vicinity of the antenna are not exposed to excessive nonionizing radiation.