

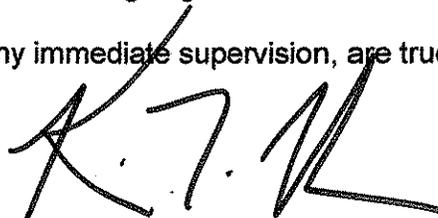
ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of PAPPAS TELECASTING OF CENTRAL NEBRASKA, L.P., licensee of Class A LPTV station WSWS-CA, Channel 13 in North Platte, Nebraska, in support of this amendment to its Application for Construction Permit BDCCDTL-20061030ASR, a digital companion-channel proposal on Channel 27. The purpose of this amendment is to decrease the antenna height by five meters. No change in site location or effective radiated power is proposed.

It is now proposed to mount the ERI omnidirectional antenna at the 50-meter level of the existing 53-meter communications tower. Exhibit B is a map upon which the revised service contours are plotted. It is important to note that the newly proposed 51 dBu contour continues to encompass the station's city of license. Operating parameters for the proposed facility are tabulated in Exhibit C. A new interference study is provided in Exhibit D, and a corrected 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. In addition, the FCC has assigned Antenna Structure Registration Number 1256275 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 21, 2006

CONTOUR POPULATION

51 DBU : 32,047

41 DBU : 33,810

SMITH and FISHER

McPherson

Logan

Stapleton

41 DBU

Arnold

51 DBU

Sutherland

Hershey

Proposed Site
North Platte

Maxwell

Lincoln

Brad

Goth

Wallace

Wellfleet

Maywo

EXHIBIT B

Scale 1:500,000



PROPOSED OPERATING PARAMETERS

PROPOSED WSW5-CD
CHANNEL 27 – NORTH PLATTE, NEBRASKA
[AMENDMENT TO BDCCDTL-20061030ASR]

Transmitter Power Output:	1.4 kw
Transmission Line Efficiency:	78.9%
Antenna Power Gain – Toward Horizon:	14.06
Antenna Power Gain – Main Lobe:	14.06
Effective Radiated Power – Toward Horizon:	15 kw
Effective Radiated Power – Main Lobe:	15 kw
Transmitter Make and Model:	Type-accepted
Rated Output	2.0 kw
Transmission Line Make and Model:	Andrew HJ7-50A
Size and Type:	1-5/8" air heliax
Length:	205 feet*
Antenna Make and Model:	ERI AL8
Orientation	Omnidirectional
Beam Tilt	1.75 degrees
Radiation Center Above Ground:	50 meters
Radiation Center Above Mean Sea Level:	903 meters

*estimated

LONGLEY-RICE INTERFERENCE STUDIES
PROPOSED WSWS-CD
CHANNEL 27 – NORTH PLATTE, NEBRASKA
[AMENDMENT TO BDCCDTL-20061030ASR]

We conducted detailed interference studies 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 1-square kilometer cell size, calculates signal strength at 0.1 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 WSWS-CD) already is predicted to exist (also known as "masking"). The results of these studies are provided in Exhibit D-2. They 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 WSWS-CD facility complies with the requirements of Sections 73.6016, 73.6017, 73.6018, 73.6019, 73.6020, 73.6027 and 74.794(b) of the Commission's Rules.

INTERFERENCE SUMMARY

PROPOSED WSWs-CD
CHANNEL 27 – NORTH PLATTE, NEBRASKA
[AMENDMENT TO BDCCDTL-20061030ASR]

<u>Call Sign</u>	<u>Status</u>	<u>City, State</u>	<u>Ch.</u>	Longley-Rice Service <u>Population</u>	Unmasked Interference From <u>Proposed Facility</u>	<u>%</u>
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[NO STATIONS AFFECTED]

EXHIBIT E

POWER DENSITY CALCULATION

PROPOSED WSWS-CD
CHANNEL 27 – NORTH PLATTE, NEBRASKA
[AMENDMENT TO BDCCDTL-20061030ASR]

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this North Platte facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 15 kw, an antenna radiation center 50 meters above ground, and the vertical pattern of the ERI antenna, maximum power density two meters above ground of 0.0020 mw/cm^2 is calculated to occur 43 meters from the base of the tower. Since this is only 0.5 percent of the 0.37 mw/cm^2 reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 27 (548-554 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.