

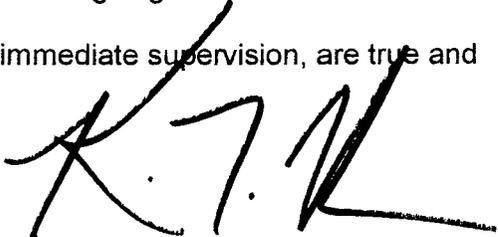
ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of KNLV-TV, licensee of Class A LPTV station KJEP-CA, Channel 23 in Nashville, Arkansas, in support of this Application for Construction Permit to specify digital operation on Channel 23 from the licensed KJEP-CA site, as a "flashcut" proposal.

It is proposed to utilize the authorized Andrew omnidirectional antenna at the 82-meter level of the existing 107-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 lies entirely within the Grade A contour that obtains from the licensed KJEP-CA facility. Therefore, this application meets the terms of the present Commission freeze on the filing of Class A modification proposals. Operating parameters for the proposed facility are tabulated in Exhibit C. An interference study is 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 1029910 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 27, 2006

CONTOUR POPULATION

51 DBU : 12,529

41 DBU : 20,477

SMITH and FISHER

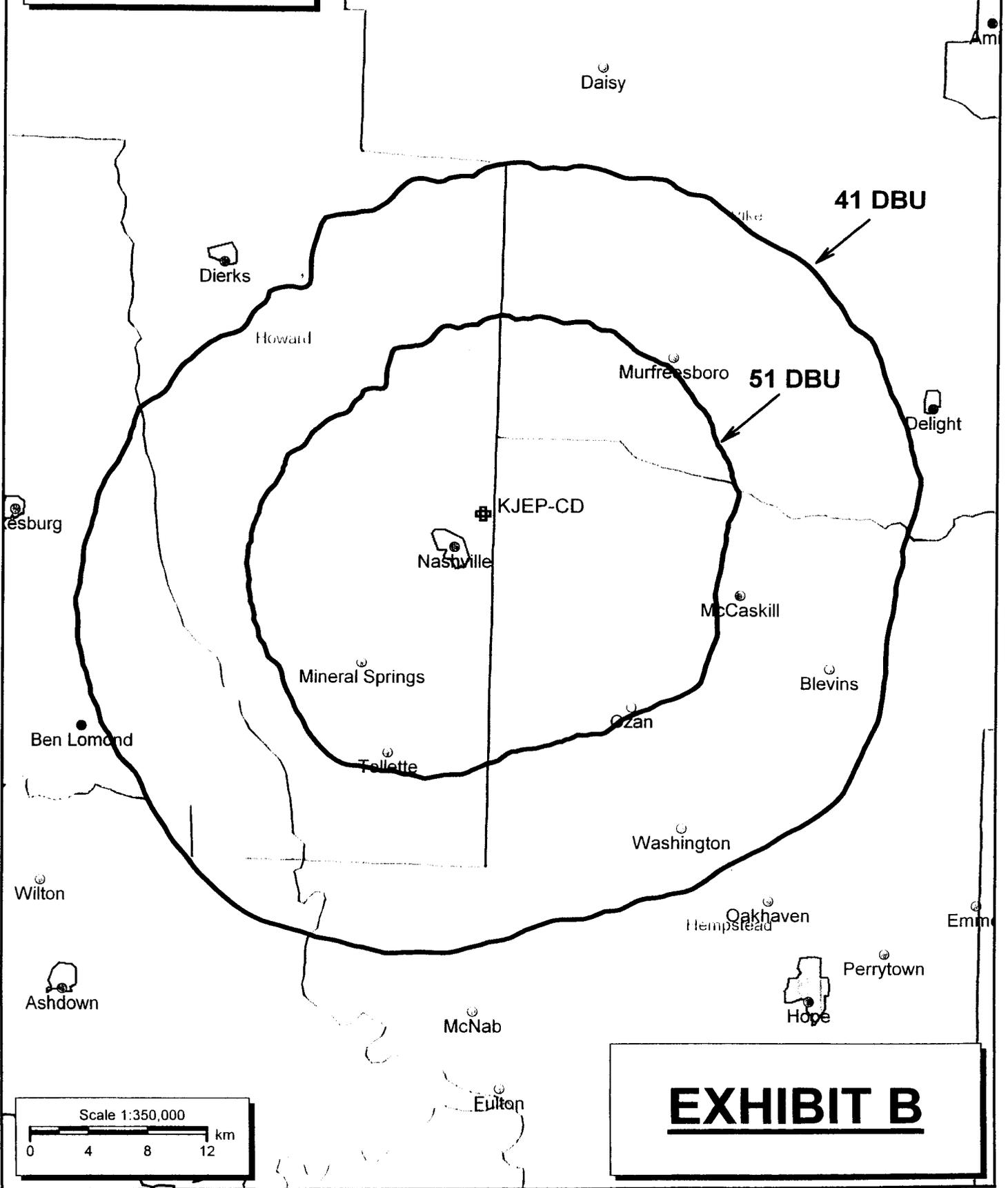


EXHIBIT B

PROPOSED OPERATING PARAMETERS

PROPOSED KJEP-CD
CHANNEL 23 – NASHVILLE, ARKANSAS

Transmitter Power Output:	5 watts
Transmission Line Efficiency:	71.2%
Antenna Power Gain – Toward Horizon:	28.2
Antenna Power Gain – Main Lobe:	28.2
Effective Radiated Power – Toward Horizon:	0.1 kw
Effective Radiated Power – Main Lobe:	0.1 kw
Transmitter Make and Model:	Type-accepted
Rated Output	10 watts
Transmission Line Make and Model:	Andrew HJ7-50A
Size and Type:	1-5/8" air heliax
Length:	300 feet*
Antenna Make and Model:	Andrew ALP16L2-HSOC
Orientation	Omnidirectional
Beam Tilt	0.5 degrees
Radiation Center Above Ground:	82 meters
Radiation Center Above Mean Sea Level:	223 meters

*estimated

LONGLEY-RICE INTERFERENCE STUDIES
PROPOSED KJEP-CD
CHANNEL 23 – NASHVILLE, ARKANSAS

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 KJEP-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 KJEP-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 KJEP-CD
CHANNEL 23 – NASHVILLE, ARKANSAS

<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

POWER DENSITY CALCULATION
PROPOSED KJEP-CD
CHANNEL 23 – NASHVILLE, ARKANSAS

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Nashville facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 0.1 kw, an antenna radiation center 82 meters above ground, and the vertical pattern of the Andrew antenna, maximum power density two meters above ground of 0.000027 mw/cm^2 is calculated to occur 26 meters from the base of the tower. Since this is less than 0.1 percent of the 0.35 mw/cm^2 reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 23 (524-530 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.