

EXHIBIT A

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of RUARCH ASSOCIATES, L.L.C., licensee of Class A Television Station WAZT-CA, Channel 10 in Woodstock, Virginia, in support of this Application for Construction Permit to specify an increase in effective radiated power and omnidirectional operation from its authorized site.

It is proposed to mount a standard Scala omnidirectional antenna on top of the existing 100-foot tower that presently supports the WAZT-CA antenna. Exhibit B is a map upon which the Longley-Rice predicted coverage is plotted. Operating parameters for the proposed facility are provided in Exhibit C.

We conducted a computer analysis of the interference situation for the proposed facility, the results of which are shown in Exhibit D. The study is based on contour protection requirements of Sections 73.6011, 73.6013, and 73.6012 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 fails to meet these requirements in four instances. They are: WVFX-DT (proposed allotment), Channel 10 in Clarksburg, West Virginia; WHTM-DT (proposed allotment), Channel 10 in Harrisburg, Pennsylvania; WTAJ-TV, Channel 10 in Altoona, Pennsylvania; and, WAVY-TV, Channel 10 in Portsmouth, Virginia.

We then conducted a detailed interference study using the Longley-Rice methodology contained in the Commission's *OET Bulletin No. 69*, with respect to the potentially affected facilities. The software utilizes a 2-square kilometer cell size, calculates

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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 affected station's protected contour where interference from another source (other than proposed WAZT-CA) already is predicted to exist (also known as "masking"). The results of these studies are provided in Exhibit E and are summarized in a tabulation as Exhibit F. The studies conclude that the facility proposed herein causes no significant (< 0.5 percent) interference to any of the stations of concern.

As a result, waivers of Sections 73.6011 and 73.6013 of the Commission's Rules with respect to interference to these various full-power analog and digital facilities, respectively, are requested and believed to be justified based on the aforementioned Longley-Rice studies.

Due to the diminutive height of the tower (with the proposed addition of the top-mounted antenna) and its proximity to the nearest airport, the FAA has not been notified of this application. In addition, and for the same reasons, the tower has not been registered with the FCC.

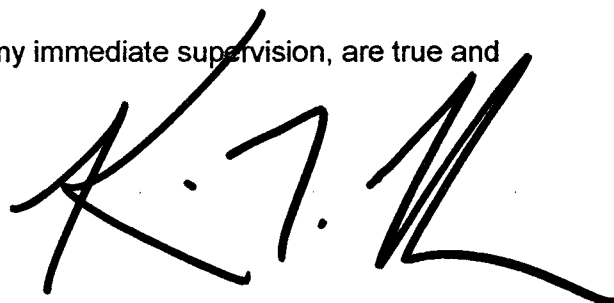
Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Woodstock facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 3.0 kw, an effective antenna height of 35 meters above ground, and assuming a vertical relative field value of 20 percent at the steeper elevation angles for the proposed antenna, maximum power density two meters above ground of 0.0018 mw/cm^2

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is calculated to occur near the base of the building. Since this is only 0.9 percent of the 0.2 mw/cm² reference for uncontrolled environments (areas with public access) for a facility operating on Channel 10 (192-198 MHz), a grant of this proposal may be considered a minor environmental action 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 on the roof and in the vicinity of the antenna are not exposed to excessive nonionizing radiation.

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.

A handwritten signature in black ink, appearing to read 'K.T. Fisher', with a stylized flourish at the end.

KEVIN T. FISHER

September 26, 2002