

EXHIBIT No. 4

This engineering statement has been prepared on behalf of Tiger Eye Broadcasting Corporation (Tiger Eye), licensee of low power television (LPTV) station WOOT-LP, Chattanooga, Tennessee and is in support of an amendment of its application (BPTVA-20020903AAL) to change antenna site.

At present WOOT-LP is licensed to operate on Channel 6 (+) (82-88 MHz) with 0.058 kW effective radiated power (ERP) and 217 meters antenna radiation center above mean sea level (RCAMSL) using a directional TV antenna. Tiger Eye has filed an application (BPTVA-20020903AAL) to operate on Channel 6 with 0.5 kW ERP and 519.8 meters antenna radiation center above mean sea level. It is now proposed to operate on Channel 6 with 1.4 kW maximum ERP and 637 meters antenna radiation center above mean sea level from a new antenna site using a directional antenna. WOOT-LP's request to change antenna site is a minor change application since the proposed and licensed 62 dBu contours overlap (see attached map).

Antenna Site

It is proposed to side-mount the new directional WOOT-LP antenna on an existing tower which is located at the following geographic coordinates (NAD-27): N 35° 12' 26", W 85° 16' 52".

TV Allocation Situation

A TV allocation study indicates the proposed WOOT-LP operation would result in prohibited overlap of contours with the following two analog TV stations and a TV translator.

1. WBRC, Channel 6, Birmingham, AL

2. WATE-TV, Channel 6, Knoxville, TN
3. New, TV Translator, Channel 6, Dalton, GA

WOOT-LP has conducted engineering studies based on the FCC OET Bulletin 69.

These studies were conducted using cell size of 1 km/side and terrain intervals of 0.1 km.

The OET Bulletin 69 studies indicate the proposed WOOT-LP operation will not cause any additional predicted interference to WBRC(TV) and WATE-TV exceeding the

Commission's guidelines. In addition, OET Bulletin 69 study shows the proposed WOOT-LP would not cause any interference to the proposed TV translator station at Dalton, Georgia.

Therefore, WOOT-LP requests a waiver of Sections 74.705 and 74.706 of the Commission's rules with respect to protection afforded to these two TV and one TV translator operations based on the OET Bulletin 69 method.

The proposed operation of WOOT-LP would not receive any predicted interference from any proposed analog TV, LPTV and TV translator stations. However, if the Commission's staff determines any predicted interference received by the proposed WOOT-LP operation from other such TV stations, WOOT-LP would either amend its proposal or accept interference to expedite grant of its proposal.

Environmental Statement

Since the WOOT-LP antenna would be side-mounted on an existing tower, environmental issues listed under Section 1.1307 (a) are not pertinent.

An evaluation has been made to determine compliance with the Commission's specified standards for human exposure to RF fields as set forth in the OET Bulletin No. 65 dated August 1997. For a maximum effective radiated power of 1.4 kW and a radiation center of 23.7 meters above ground level, the proposed TV operation would have a maximum

of 8 microwatts per square centimeter ($\mu\text{W}/\text{cm}^2$) RF field at 2 meters above the base of tower, conservatively assuming an antenna field factor of 0.4 in the downward direction. The Commission's guidelines for Channel 6 TV operation are $1,000 \mu\text{W}/\text{cm}^2$ for the occupational/controlled and $200 \mu\text{W}/\text{cm}^2$ for the general population/uncontrolled environment.

Therefore, members of the public and personnel working around the proposed WOOT-LP, Channel 6 TV facility would not be exposed to RF fields exceeding the Commission's guidelines. With respect to work performed on the tower, station WOOT-LP, in coordination with other stations, will establish procedure to ensure that workers are not exposed to RF fields above the Commission's guidelines, by reducing or turning off the power, as appropriate.

For the reasons stated above, it is believed this proposal complies with Section 1.1307(a) and (b) of the Commission's Rules; therefore, under Section 1.1306, it is categorically excluded from the environmental processing.

