

ENGINEERING STATEMENT

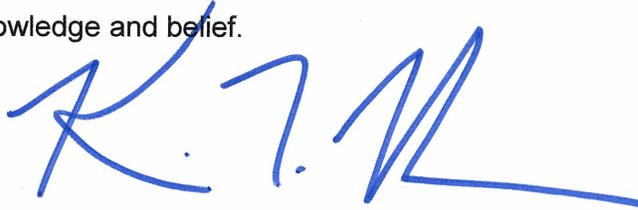
The engineering data contained herein have been prepared on behalf of FOX TELEVISION STATIONS, INC., licensee of digital television station WWOR-DT, Channel 38 in Secaucus, New Jersey, in support of its application to license the auxiliary facility authorized in BXPCDT-20081205ADC. The purpose of this exhibit is to provide a power density calculation.

Since the FCC considers the possible biological effects of RF transmissions in its environmental determinations, we have studied the matter with respect to this Secaucus facility. Employing the methods set forth in *OET Bulletin No. 65* and considering a main-lobe effective radiated power of 182 kW (H, V), an antenna radiation center of 310 meters above ground, and assuming a vertical relative field value of 20 percent at the steeper elevation angles for the Dielectric antenna, maximum power density two meters above ground of 0.0051 mw/cm² is calculated to occur near the base of the Empire State Building, the building on which the auxiliary antenna is mounted. Since this is only 1.2 percent of the 0.41 mw/cm² reference for uncontrolled environments (areas with public access) surrounding a facility operating on Channel 38 (614-620 MHz), a grant of this proposal may be considered a minor environmental action with respect to public and occupational ground-level exposure to nonionizing electromagnetic radiation.

In addition, our firm has conducted numerous power density measurements of all areas of the Empire State Building in close proximity to the WWOR-DT auxiliary antenna, while under operation. These measurements confirm that RF levels in all uncontrolled (public) areas are compliant with the FCC's human exposure guidelines. In addition, most of

the controlled environments in the vicinity of this antenna meet the Commission's maximum permissible exposure requirements for such areas. In those cases where the exposure guidelines are exceeded for occupational areas, the Building takes preventative measures to guarantee that employees and contractors do not access these specific areas while the auxiliary antenna is illuminated.

I declare, under penalty of perjury, that the foregoing statements are true and correct to the best of my knowledge and belief.



KEVIN T. FISHER, President

Smith and Fisher, LLC

May 2, 2011