

**RADIO FREQUENCY RADIATION STATEMENT FOR KSHB-DT  
KANSAS CITY, MISSOURI  
Scripps Howard Broadcasting Company**

If the instant application is granted, KSHB-DT channel 42, will operate with a maximum effective radiated power (ERP) of 450 kW with a radiation center (RC) of 294 meters above ground level (AGL) using a Dielectric antenna that will be side-mounted on a guyed tower.

I have examined the Commission's environmental requirements in 47 C.F.R. Section 1.1307, pursuant to FCC Form 301. I have determined that operation of the four proposed TV stations from the common tower, registration number 1234587:

KSHB-DT channel 42 with a maximum ERP of 450 kW, RC of 294 meters AGL  
KSHB-TV channel 41 with a maximum ERP of 3,980 kW, 10% aural RC of 324 meters AGL  
KMCI-TV channel 38 with a maximum ERP of 5,000 kW, 10% aural, RC of 344 meters AGL  
KMCI-DT channel 36 with a maximum ERP of 500 kW, RC of 309 meters AGL


will not have a significant environmental impact as defined by Section 1.1307. There will be no exposure of workers or the general public to levels of Radio Frequency Radiation exceeding the latest guidelines issued by the American National Standards Institute and OET Bulletin 65, 97-01, August 1997. The general public will not have access to the site.

The total field at the base of the tower, at the transmitter building and at ground level was calculated by adding the contributions from proposed channels 42 and (36, 38, & 41 separate applications). The calculations were made by following the procedures described in OST Bulletin No. 65, and the RF field was found to be well below 0.2 mW/cm<sup>2</sup>.

The property, including the tower and buildings, will be within a fence with a gate that is closed and locked if no one is working at the site. Signs will be posted where appropriate that will state: "DANGER HIGH VOLTAGE" and: "CAUTION HIGH LEVEL RADIO FREQUENCY ENERGY NO TRESPASSING".

Procedures will be followed to reduce the RF radiated power, or the power will be turned-off as may be necessary, for the protection of workers while climbing on the tower during tower maintenance.

Anyone at ground level at the site, within any buildings, or on the roof of the transmitter building will be in a field well below 0.2mW/cm<sup>2</sup>, when both stations are operating at full licensed power. KSHB will have an Occupational Exposure Guide (OEG) with procedures to follow prior to climbing the tower. The OEG will be made available to any worker at the site for their reading and review along with a copy of OET Bulletin 56 dated August 1999.

  
Warren Happel P.E.  
Consulting Engineer  
Scripps Howard Broadcasting Company  
216 431 3492



**EXHIBIT 43  
KSHB-DT**  
Page 1 of 1  
June 19, 2002