

W39BH, Champaign, IL

Facility ID# 49185

24 April, 2018

Environmental Statement

The proposed construction is not a major environmental action as defined by 47CFR1306 and 1307. No new ground construction or lighting changes are involved and no structure heights or widths are being increased.

RF exposure summary:

W39BH is located on a two level building top shared with other services, most notably WPGU-FM. The entire rooftop area can be accessed only through one steel door which is kept locked at all times, with building management controlling all keys. Access to the roof area is possible only by means of one additional door, which is adequately posted with RF warning signs. Thus the entire rooftop area would definitely be considered an occupational area with no public access whatever.

The main, or lower, roof area contains no areas where the power density level exceeds that for continuous exposure in an occupational area but the upper rooftop does. As a result of RF survey measurements conducted in 2010 an anti-climb device blocks access to the upper roof area where the W39BH and WPGU antennas are located, subject to an additional key required to unlock the device. Furthermore, an RF safety plan was written to be given to all contractors and other workers entering that area. Signage posted in the area gives contact information for the transmitters to be shut down or reduced in power for work which might be done on the upper rooftop area.

WPGU-FM is by far the dominant RF hazard at the site though W39BH does have some contribution as well. The proposed changes would be expected to raise the W39BH contribution somewhat but the complexities of the rooftop make it difficult to calculate using standard formulas. Ventana Television Inc. commits to making new measurements upon completion of the rebuilt facility and taking whatever steps are needed to ensure worker safety in the area in conjunction with WPGU-FM. These may include additional marking, signage, etc.