

Comprehensive Engineering Exhibit
WOOD (FM) Facility ID 73605
Minor Change Application
March 28, 2007

By this application it is sought to modify the facility of WOOD (FM) to specify a new antenna height and location. WOOD (FM) is a “grandfathered superpower” station; this application is made pursuant Section 73.211 (C).

The proposed WOOD (FM) antenna is to be non-directional and will be located 182.9 meters above ground level upon a tower described by antenna structure registration number 1243207. This structure also supports the broadcast antenna of station WVGR (FM) which operates with a directional antenna located at a height of 227 meters above ground.

From this location WOOD (FM) is fully spaced as a Class B facility in accordance with Section 73.207 to all known facilities, applications and allocations. WOOD (FM) is presently authorized for operation with a height above average terrain of 247 meters and an effective radiated power of 265 kW. This application requests operation with a height above average terrain of 177 meters and an effective radiated power of 265 kW. No extension of the 1 mV/m contour will be created by this proposal as demonstrated in the attached map.

The proposed antenna system is an ERI Lynx DI 12 bay, 1.0 wave spaced antenna, mounted with its center of radiation 182.9 meters above ground level. Station WVGR (FM) is also located upon the proposed tower. Due to the complexity of the resulting RF environment, WOOD (FM) will take power density measurements prior to beginning program test, and the filing of an application for license to demonstrate compliance with 74CRR 1.1306.

1 mV/m Contours

