

Engineering Exhibit  
Minor Change Application  
For Station WSHE(FM)  
Facility Id: 59976

### 1. Purpose of Application

This is an application for minor change to FM station, WSHE Orlando, FL, Facility I.D. No. 59976.

This instant application seeks to change the broadcast antenna used by the station to another antenna located on the tower (antenna structure registration number 1040401) presently used by the station. This change will result in a minor change in the radiation center of the station. Also the application seeks to increase the effective radiated power of the station to the maximum allowed for the station allocation class.

### 2. Allocation Considerations

No change in geographic location is requested, and the antenna height as well as transmit power will remain within that allowed for class "C" operation, thus it is thought that this application causes no allocation issues.

### 3. RF Compliance statement

Study of the area within 1 km of the proposed site reveals other likely sources of non-ionizing radiation. Calculations of ground level NIER values near the base of the proposed structure are made only with regard to the levels from this proposal. It has been determined, as detailed below, that this proposal contributes less than 5% of the site ground level R.F..

The Proposed facilities were evaluated in terms of potential radio frequency radiation exposure at ground level in accordance with OET Bulletin No. 65, "Evaluating Compliance With FCC-Specified Guidelines for Human Exposure to Radio frequency Radiation."

"Ground level" calculations in this report have been made at a reference height of 2 meters above ground to provide a worst-case estimate of exposure for persons standing on the ground in the vicinity of the tower.

The antenna to be used for the facility is an Electronics Research, Inc.(ERI) Axiom with 0.92 wavelength bay spacing for WSHE. Calculations of the power density produced by this antenna system have been made using data supplied by the manufacture. The results indicate a maximum ground level power density of 0.88 microwatts per square centimeter, or 0.088 percent of the allowable ANSI limit for controlled exposure, and 0.44 percent of the allowable limit for uncontrolled exposure, at the tower base. It is therefore believed that this proposal is in compliance with OET Bulletin Number 65 as required by the Federal Communications Commission.

Pursuant to OST Bulletin No. 65, all station personnel and contractors are required to follow appropriate safety procedures before any work is commenced on the antenna tower, including reduction in power or discontinuance of operation before any maintenance work is undertaken. Public access to the site is restricted and the antenna tower is posted with warning signs. The permittee/licensee in coordination with other users of the site must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency radiation in excess of FCC guidelines.