

**Human Exposure to Radiofrequency Electromagnetic Field
&
Section 106 Compliance
(Environmental)**

A study has been made to determine whether this proposal is in compliance with 47 C.F.R. 1.1307 of the Commission's rules and with OET Bulletin #65, dated August 1997, regarding human exposure to radio frequency radiation in the vicinity of broadcast towers. Apex Broadcasting Co., Inc., licensee of WVSC seeks to modify the license of WVSC, Channel 276C3 (Facility ID# 49910) licensed to Port Royal, SC, South Carolina by relocating to an existing tower and operating on Channel 276C3. The transmitting site will be an existing tower 167.3 meters in overall height. This tower is registered with the FCC's Antenna Structure Registration (ASR) number 1043967. Because the proposed WVSC facility is locating to an existing tower and no modifications to that tower are being made, it is believed to be exempt from a Section 106 review by the SHPO/THPO.

The tower is located at 32° 13' 25" N ~ 80° 51' 00" W (NAD 27). The proposed antenna is a side mounted Shively Model 6813 two bay full wave circularly polarized non-directional antenna. WVSC will operate with 6.6 kW at 144.8 meters above ground level and 149 meters HAAT. The use of existing transmitting locations has been characterized as being environmentally preferable by the Commission, according to Note 1 of § 1.1306 of the FCC Rules.

The proposed operation was evaluated for human exposure to RF energy using the procedures outlined in the Commission's OET Bulletin Number 65. Using the FM Model for Windows program the for the proposed WECQ antenna, the maximum calculated signal density near the tower at two meters above ground level attributable to the proposed facility is 2.833 $\mu\text{W}/\text{cm}$ at 94 meters, which is 1.417 percent of the general population/uncontrolled maximum permitted exposure limit. This is well below the five percent threshold limit described in 1.1307(b) regarding sites with multiple emitters, which excludes applicant from responsibility for taking any corrective action in areas where the proposal's contribution is less than five percent.

The applicant will see that signs are posted in the vicinity of the tower, warning of potential radio frequency hazards at the site. The applicant will cooperate with other users of the tower to reduce power of the facility, or discontinue operation, as necessary to limit human exposure to levels less than specified by the Federal Communications Commission should anyone be required to climb the tower for maintenance or inspection.