

**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 Media Corporation, licensee of WVSC is modifying the license of WVSC, Channel 276C3 (Facility ID# 49910) licensed to Port Royal, South Carolina to reflect a coordinate correction to the Antenna Structure Registration at the transmit site. The existing tower is 167.3 meters in overall height and is registered with the FCC's Antenna Structure Registration (ASR) number 1043967. Because the proposed WVSC technical facility is not being modified and no modifications to the 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' 36.2" N ~ 80° 51' 01.9" 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 6.9 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 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 13.46 $\mu\text{W}/\text{cm}$ at 35.6 meters, which is 6.73 percent of the general population/uncontrolled maximum permitted exposure limit.

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.