

# **EXHIBIT 17-A**

## **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. Press Communications, LLC, licensee of FM translator W264DH, (Facility ID# 156685), Eatontown, NJ seeks to modify W264DH by increasing the effective radiated power and operating with a directional antenna at a lower elevation above ground level. There is no change in frequency or transmit location. The proposed W264DH facility would operate on channel 264D (100.7 MHz) with an effective radiated power of 125 watts at 115 meters RC-AMSL and 121 meters HAAT. The proposed transmit site will be is existing tower located at Tinton Falls, NJ. The tower is 159.7 meters (523.8 ft.) in overall height and is registered with Antenna Structure Registration (ASR) number 1237989. The tower is located at 40° 16' 41.0" N ~ 74° 04' 51.0" W (NAD 27). The proposed antenna is a side mounted PSI FML-4 four bay 0.625 wave length circularly polarized directional antenna with a center of radiation of 115 meters AGL. 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. Because W264DH proposes to operate from an existing tower, 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 proposed operation was evaluated for human exposure to RF energy using the procedures outlined in the Commission's OET Bulletin Number 65. The PSI FML-4 four bay circularly polarized directional antenna is included in the recently revised OET FM Model Program under Type 2, Opposed "V" dipole. Using this antenna, the maximum calculated signal density near the tower at two meters above ground level attributable to the proposed facility is 0.012  $\mu$ W/cm at 151.2 meters, which is 0.006 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.