

TECHNICAL EXHIBIT  
SUPPORTING A REQUEST FOR  
SPECIAL TEMPORARY AUTHORITY (STA) FOR  
-14 dBc (4%) DIGITAL POWER FOR  
STATION WMHT-FM (FACILITY ID 73266)  
SCHENECTADY, NEW YORK  
CH 206B 6.1 KW 361 M

The proposed FM facility was evaluated in terms of potential radio frequency (RF) energy exposure at ground level to workers and the general public. Based on the FCC's FM Model program using a Shively 6810 (5-bay,  $\frac{1}{2}$ - $\lambda$  spaced) antenna, a combined ERP of 6.344 kilowatts (6.1 kW analog, 0.244 kW digital), antenna radiation center height above ground level of 84.2 meters, the calculated power density at a point 2 meters above ground level will not exceed  $0.001 \text{ mW/cm}^2$ , which is less than 1% of the FCC's recommended limit of  $0.2 \text{ mW/cm}^2$  for FM channels, applicable to general population/uncontrolled exposure areas.

Access to the transmitting site is restricted and appropriately marked with warning signs. As this is a multi-user site and agreement will control site access. In the event that workers or other authorized personnel enter restricted areas or climb the tower or any nearby adjacent towers, appropriate measures will be taken to assure worker safety with respect to radio frequency radiation exposure. Such measures include reducing the average exposure by spreading out the work over a longer period of time, wearing "accepted" RFR protective clothing and/or RFR exposure monitors or scheduling work when the stations are at reduced power or shut down. It is noted that this technical exhibit only addresses the potential for radiofrequency electromagnetic field exposure.

It is noted that this statement only addresses the potential for radiofrequency electromagnetic field exposure. All other aspects of the environmental processing analysis will be or already have been provided to the FCC by the tower owner as part of the tower registration process.