

R.F. EMISSION COMPLIANCE STATEMENT
Channel 260 – 48 kW H & V ERP
Renda Broadcasting Corporation

March, 2003

The proposed facility will share a common antenna with WEJZ and WAPE-FM. The total ERP in the horizontal and vertical planes for all three stations will be 248 kW. Based on the formulas expressed in the OET Bulletin, No. 65, August 1997, "Evaluating Compliance with F.C.C. Guidelines for Human Exposure to Radio frequency Electromagnetic Fields", published by the Federal Communication Commission's Office of Science and Engineering, the proposed facility is predicted to produce a worst-case maximum R.F. non-ionization radiation level at a position two meters above the tower base (head level - based on the C.O.R. above ground of 303 meters minus 2 meters) of 182.9 microwatts per square centimeter. This figure is without regard for the antennae's vertical elevation field value toward the nadir which will cause a reduction in the predicted "worst case" calculations. The tower base is double fenced and padlocked; therefore the location is in a "controlled" area. 182.9 microwatts per square centimeter is 18.29 percent of the FCC's maximum value for the frequency in use for a controlled area.

There are two additional LPTV antennae co-located on this tower. W45BZ transmits on channel 45 using a high-gain antenna at an ERP of 24.7 kW from an antenna height above ground of 177 meters. Assuming a maximum aural injection of 22 percent and when applying a downward radiation vertical field of 0.1, it can be determined that this station contributes a total of 1.184 microwatts per square centimeter at 2 meters, head height. This is 0.05 percent of the maximum for channel 45 at a controlled area of 2,196.7 microwatts per square centimeter. Since the percentage is less than one percent, no further consideration of this antenna's impact on the ground level was deemed required.

W50CO transmits on channel 50 using a high-gain antenna at an ERP of 16.5 kW from an antenna height above ground of 106 meters. Assuming a maximum aural injection of 22 percent and when applying a downward radiation vertical field of 0.1, it can be determined that this station contributes a total of 0.316 microwatts per square centimeter at 2 meters, head height. This is 0.01 percent of the maximum for channel 50 at a controlled area of 2,296.7 microwatts per square centimeter. Since this percentage is less than one percent, no further consideration of the antenna's impact on the ground level was deemed required.

The applicant will protect workers on the tower by either reducing ERP or terminating transmission when required. An agreement is in effect with all users at this location to reduce power or to terminate operations to protect workers from receiving in excess of the Commission's standard.

Consequently, it appears that the proposed FM station will be in full compliance with the Commission's human exposure to radio frequency electromagnetic field rules and regulations.