

NONIONIZING RADIATION COMPLIANCE

M-10 Broadcasting, Inc.  
Pikesville, MD

The proposed modified WWLG daytime facilities will fully comply with the current FCC Standard with regard to human exposure to nonionizing radiation. An examination of the fencing distance tables contained in Supplement A to FCC OET Bulletin No 65 reveals that the erection of an appropriately marked fence at a distance of 2.6 meters from the tower base is required to restrict access to the areas around a tower with an electrical height of 96°, operating at a power of 21 kilowatts, where the power densities would exceed the permitted level for uncontrolled exposure. WWLG has already erected appropriately marked fences around each of these six towers as a part of the construction of this antenna system. The fencing around each of the towers of this array is at least 3.7 meters from the tower base in all directions. Thus, the existing fences around these six towers are adequate to restrict access to all areas where the predicted power density will exceed the permitted level for uncontrolled exposure. As part of the process of constructing and tuning this antenna system, nonionizing radiation measurements were also conducted, which confirmed that there are no areas outside these fences where the measured power densities exceed the permitted level for uncontrolled exposure.

WWLG will also continue to take appropriate steps to insure that workers that must be inside the fenced areas at this site will not be exposed to levels of nonionizing radiation that are in excess of the levels permitted for controlled exposure. These steps will include a reduction in power, the cessation of operation, or operation in a mode that does not employ the particular tower when work becomes necessary inside these fences or on any of these towers.