

## RF Emissions Analysis:

11/7/2017

The proposed existing tower sits atop a building having a height above ground of 24.38 meters. This application proposes to use this existing tower to add a single bay antenna. The antenna will be mounted 14.3 meters above roof. Using the OET 65 formulas under 'worst case' we can determine that this antenna produces a power density of 22.08  $\mu\text{W}/\text{cm}^2$  at head height at the nadir on the roof surface. This amounts to 2.2 percent of the maximum under Commission's rules. The area is controlled with limited access available to workers. Therefore, this proposal meets the Commission's rules for protection of workers.

The area of the tower will be posted with appropriate R.F. warnings. The roof is considered a controlled area that is not available to the public. The applicant will reduce power or terminate transmissions when it is necessary to protect workers on the tower or nearby such that over exposure to the station's emissions will not occur.