

# EXHIBIT B: ENVIRONMENTAL AND RADIO FREQUENCY SAFETY

## ENVIRONMENTAL IMPACT

This exhibit confirms that the proposed facility has no significant Environmental Impact as defined in FCC Rule 1.1307. The site is located on the rooftop of SBG Headquarters and is not an Indian religious site, nor located in a flood plain area, nor officially designated wilderness area, nor officially designated wildlife preserve.

## RADIO FREQUENCY IMPACT & OCCUPATIONAL SAFETY

This proposed facility has been evaluated in accordance with the FCC guidelines for human exposure to RF Electromagnetic fields.

The RF radiation near the ground (2 meters above ground) can be calculated using the formula for Television Broadcast Stations (OET-65 Supplement A, Section 3) using the following factors

P= total Effective Radiated Power from the antenna = 1.0 kW

F= field radiated on the axis to the ground level = 0.0

R= distance to the ground level (-2 meters AGL) = 22.4 m

The Power Density (S) near the ground level is calculated to be **0  $\mu\text{W}/\text{cm}^2$**  and **63.15  $\mu\text{W}/\text{cm}^2$**  at the roof level, which is **0%** and **.036 %** of the **Occupational/Controlled Exposure** limit of 1776.67  $\mu\text{W}/\text{cm}^2$  for this channel 24 facility respectively.

The site generates less than **3.62x10<sup>-3</sup>%** of the 355  $\mu\text{W}/\text{cm}^2$  maximum permissible limit for the **General Population/Uncontrolled Exposure** at any point on the ground. The licensee will reduce power or cease operation to protect any person from excessive RF energy if necessary.