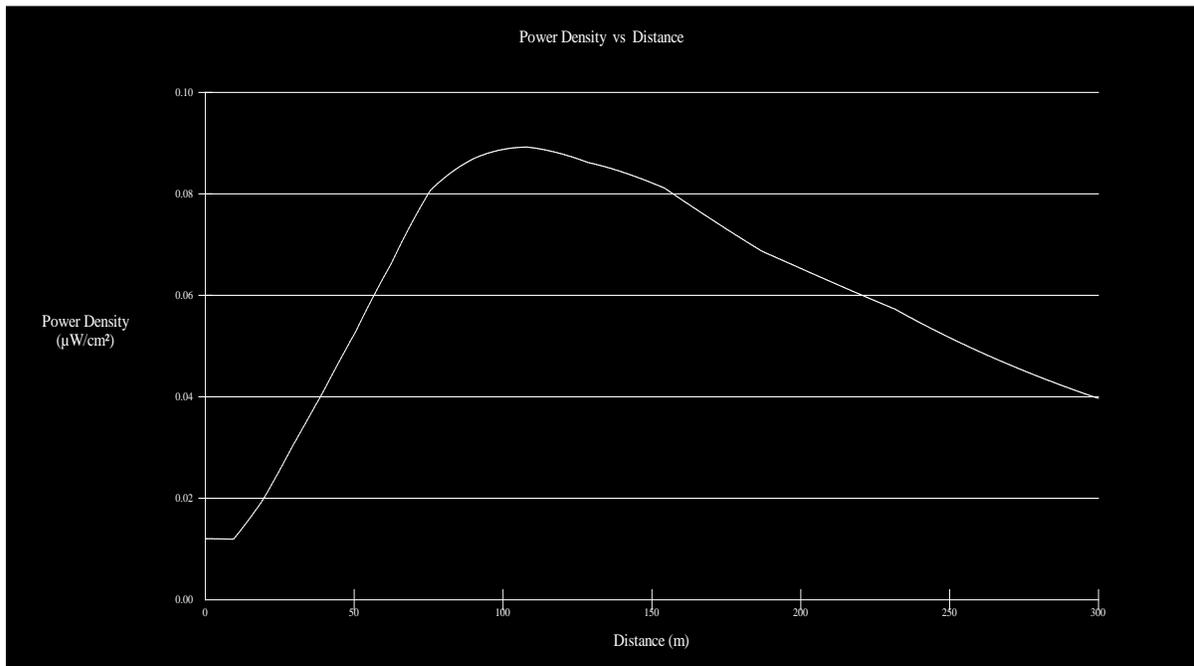


## KWKW Proposed Translator ANSI Human Radiation Exposure Study

This study utilized the FCC's utility FM Model to generate the graph below. The Antenna used is an Omni-directional broadcast antenna. The antenna will be located 110 meters above ground and will be running 70 watts. The measured power density at 2 meters above ground will be less than 0.1 microwatts / centimeter squared, considerably less than the maximum allowed by the FCC.



This study was made using a standard single bay circularly polarized broadcast antenna. The actual antenna proposed for this translator will have greater than 20 dB downward attenuation because of its required highly directional design. The actual radiation level at 2 meters above ground will be virtually immeasurable.

The proposed facility far exceeds the ANSI requirements for Human Radiation Exposure.