

Dear Mr. Chang,

I do not fully understand your request for further information. This application is for an airborne weather radar whose magnetron produces a pulse of 10 KWatts peak for 2.35 uSec at a 249 Hz rate. With this duty cycle of .058% the average power is 5.8 watts. The calculations provided in the previous response represented the minimum distance that ground crews should maintain from an operating radar in order to restrict their exposure to below the FCCs limit of 1 mW/cm². Since the radar antenna installation is in the nose of an aircraft and the flight crew sits behind a metal bulkhead the flight crew will not be exposed to any RF levels from the radar antenna.

Sincerely,
George Ruffle