

KE2XPY

Measurements were made to determine the average power density of the Satellite Communicator System whose point of contact is the INMARSAT System. The measurements showed the hazardous radiation limit of 5 mW per cm squared occurred at a distance of 9 feet. This distance was measured during the voice transmission mode which has the highest power rating (31.6 Watts CW). However, during normal operation the system will not function for more than 5 minutes maximum per test and total useage per month is less than 60 minutes.

The antenna locations are restricted to avoid inadvertent exposure to human personnel. Therefore, exposure to radiated power from the antennas is limited and should cause no harm to employees or the public.