

IMK-HARDSAP**2.4 GHz worst case MPE**

limit 1 mW/cm² uncontrolled @ 2.4 GHz FCC/NCRP limit
 use different numbers for controlled environment or other band

input

antenna power measured in dBm	15.76
measurement cable loss in dB	0
duty cycle	1
antenna gain in dBi	2

intermediate calculations

antenna power in dBm	15.76
antenna power in mW	38
numeric antenna gain	1.58
EIRP in mW	60

outputs

MPE distance in cm	2.2
MPE distance in inches	0.9
wavelength in inches	4.9

the distance in cm at which far field MPE = limit

the distance in inches at which far field MPE = limit

calculated MPE distance exceeds actual MPE distance significantly at distances less than one wavelength