

RF Exposure Statement

1. LIMITS

According to §1.1310 and §2.1091 RF exposure is calculated.

(B) Limits for General Population/Uncontrolled Exposures

Frequency range	Electric field	Magnetic field	Power density	Averaging time
(MHz)	Strength (V/m)	Strength (A/m)	(mW/cm²)	(minutes)
0.3 - 1.34	614 824/f 27.5	1.63 2.19/f 0.073	*(100) *(180/ f²) 0.2 f/1500 1.0	30 30 30 30 30

F = frequency in MHz

2. MAXIMUM PERMISSIBLE EXPOSURE Prediction

Prediction of MPE limit at a given distance Equation from page 18 of OET Bulletin 65, Edition 97-01

$S = PG/4\pi R^2$

S = Power density

P = power input to antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

^{* =} Plane-wave equivalent power density



2-1. 5 MHz Bandwidth

Max Peak output Power at antenna input terminal (dBm)	23.42
Max Peak output Power at antenna input terminal (mW)	219.78599
Prediction distance (cm)	20.0000
Prediction frequency (MHz)	2500.00
Antenna Gain(typical) (dBi)	2.900
Antenna Gain(numeric)	1.94984
Power density at prediction frequency (mW/cm²)	0.08526
MPE limit for uncontrolled exposure at prediction frequency (mW/cm²)	1.00000

2-2. 10 MHz Bandwidth

Max Peak output Power at antenna input terminal (dBm)	22.90
Max Peak output Power at antenna input terminal (mW)	194.98446
Prediction distance (cm)	20.0000
Prediction frequency (MHz)	2500.0000
Antenna Gain(typical) (dBi)	2.900
Antenna Gain(numeric)	1.94984
Power density at prediction frequency (mW/cm²)	0.07564
MPE limit for uncontrolled exposure at prediction frequency (mW/cm²)	1.00000

FCC ID:XHG-M600A



3. RESULTS

The power density level at 20 cm is 0.08526mW/cm^2 , which is below the uncontrolled exposure limit of 1.0 mW/cm² at 2500.0 MHz for 5 MHz Bandwidth. The power density level at 20 cm is 0.07564 mW/cm^2 , which is below the uncontrolled exposure limit of 1.0 mW/cm² at 2500.0 MHz for 10 MHz Bandwidth