

Report No.: HCTR1106FR06 FCC ID: U88-SMR700 DATE : June 7, 2011

10. 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



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| Max Peak output Power at antenna input terminal | 12.99 | dBm |
|---|---------|--------------------|
| Max Peak output Power at antenna input terminal | 19.907 | mW |
| Prediction distance | 20.000 | cm |
| Prediction frequency | 751.000 | MHz |
| Antenna Gain(typical) | 0.000 | dBi |
| Antenna Gain(numeric) | 1.000 | _ |
| Power density at prediction frequency(S) | 0.00396 | mW/cm ² |
| MPE limit for uncontrolled exposure at prediction frequency | 0.501 | mW/cm ² |

3. RESULTS

The power density level at 20 cm is 0.00396 mW/cm^2 , which is below the uncontrolled exposure limit of 0.501 mW/cm^2 at 751 MHz for Repeater

Warning: In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, it must also have a minimum distance of 20 cm from the body during normal operation.