

Report No.: HCTR1011FR10-2 FCC ID: U88-CC100K700 DATE: November 25, 2010

3.6 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	1.63	*(100)	30
1.34 - 30	824/f	2.19/f	*(180/ f²)	30
30 - 300	27.5	0.073	0.2	30
300 - 1500			f/1500	30
1500 - 100.000			1.0	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	29.880	dBm
Max Peak output Power at antenna input terminal	972.747	mW
Prediction distance	40.000	cm
Prediction frequency	751.000	MHz
Antenna Gain(typical)	8.000	dBi
Antenna Gain(numeric)	6.310	-
Power density at prediction frequency(S)	0.30526	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.501	mW/cm ²

2-2 LOWEST Limit

Max Peak output Power at antenna input terminal	29.270	dBm
Max Peak output Power at antenna input terminal	845.279	mW
Prediction distance	40.000	cm
Prediction frequency	698.500	MHz
Antenna Gain(typical)	8.000	dBi
Antenna Gain(numeric)	6.310	-
Power density at prediction frequency(S)	0.26526	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.466	mW/cm ²

3. RESULTS

The power density level at 40 cm is 0.30526 mW/cm^2 , which is below the uncontrolled exposure limit of 0.501 mW/cm^2 at 751 MHz

The power density level at 40 cm is 0.26526 mW/cm^2 , which is below the uncontrolled exposure limit of 0.466 mW/cm^2 at 698.500 MHz