EMT ELECTRO MAGNETIC TEST, INC.
1547 Plymouth Street, Mountain View, CA 94043 Tel: (650) 965-4000 Fax: (650) 965-3000

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 (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm^2)	Averaging Time (Minutes)
0.3 - 1.34	614	1.63	*(100)	30
1.34 - 30	824/f	2.19/f	*($180/f^2$)	30
30 - 300	27.5	0.073	0.2	30
300 - 1500	-	-	f/1500	30
1500 - 100.000	-	-	1	30

F = frequency in MHz
* = Plane-wave equivalent power density

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

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Max Peak Output Power at Antenna Input Terminal (dBm)	17.6800
Max Peak Output Power at Antenna Input Terminal (mW)	58.6138
Prediction Distance (cm)	20.0000
Prediction Frequency (MHz)	2405.0000
Antenna Gain (typical) (dBi)	0.5000
Antenna Gain (numeric)	1.1220
Power Density at Prediction Frequency (mW/cm^2)	0.0131
MPE limit for uncontrolled exposure at prediction frequency (mW/cm^2)	1.0000

3. Results

1. The power density level at 20 cm is **0.0131 mW/cm^2**, which is below the uncontrolled exposure limit of **1.0 mW/cm^2**