



Equation from page 18 of OET Bulletin 65, Edition 97-01

$$S = \frac{PG}{4\pi R^2}$$

where: S = power density

P = power input to the 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

110.8 dBuV/m From test report's measured radiated power.

3 m

3.5E-01 V = $10^{((35.5-120/120))}$ 

 $0.035769851 \text{ W} = ((\text{V x 3m/5.5})^2)$ 

Maximum peak output power --Radiated: \_\_\_\_\_\_0.036 (W)

Prediction distance: 20.00 (cm)
Prediction frequency: 2404.0 (MHz)

Limit from table below: 1.000 (mW/cm^2)

Power density at prediction frequency: 0.0071 (mW/cm^2)

**EUT** complies

## FCC/LSGAC Local Official's Guide to RF A LOCAL GOVERNMENT OFFICIAL'S GUIDE TO TRANSMITTING ANTENNA RF EMISSION SAFETY: RULES, PROCEDURES, AND PRACTICAL GUIDANCE

## (B) Limits for General Population/Uncontrolled Exposure

Frequency	Electric Field	Magnetic Field Strength	Power Density	Averaging Time
Range	Strength (E)	(H)	(S)	$ E ^2$ , $ H ^2$ or S
(MHz)	(V/m)	(A/m)	(mW/cm <sup>2</sup> )	(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			1.0	30

f = frequency in MHz

NOTE 1: Occupational/controlled limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure. Limits for occupational/controlled exposure also apply in situations when an individual is transient through a location where occupational/controlled limits apply provided he or she is made aware of the potential for exposure.

NOTE 2: General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.

<sup>\*</sup>Plane-wave equivalent power density