

PAGE NO.

6 of 6. AMENDED September 21, 2000

Name of test:

Environmental Assessment

EUT Description:

See Page 2.

Power, [dbi, W]

= 41.21

Test Frequency, MHz

= 150

Ant. Model

0 dbd antenna, Whip Antenna

Ant. Gain

= 2.15 dbi

Rated Probe:

Narda 8761D Probe = 10 $\mu\text{W}/\text{cm}^2$ to 20 mW/cm^2

47 CFR 1.1210

0.3-1.234 MHz:

Limit [mW/cm^2] = 100

Table 1, (B)

1.34-30 MHz:

Limit [mW/cm^2] = $(180/f^2)$

30-300 MHz:

Limit [mW/cm^2] = 0.2

300-1500 MHz

Limit [mW/cm^2] = $f/1500$

1500-100,000 MHz:

Limit [mW/cm^2] = 1.0

Power[W EIRP]

 $(P[\text{Watts, Conducted}] + G) = 25$ for 50% Duty CycleLimit [mW/cm^2]

= 0.2

Theoretical safe
distance: $R[\text{m}] = [(P[\text{W EIRP}]) / (4\pi \times \text{Limit}[\text{W}/\text{m}^2])]^{1/2}$ $R[\text{m}] = 1.28$ Minimum Safe Distance: = 1.28 m


SUPERVISED BY:

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