

PAGE NO. 7 of 7. AMENDED January 30, 2001

Name of test: R.F. Radiation Exposure

FCC Rules: 1.1307, 1.1310, 1.1311, 2.1091

Description, EUT: See page 2 of Test Report

Test Frequency, MHz = 160.00

Antenna Gain = 0

Antenna Model Mobile Gain Antenna

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

LIMITS:	0.3-1.234 MHz:	Limit $[\text{mW}/\text{cm}^2]$ = 100
47 CFR 1.1310	1.34-30 MHz:	Limit $[\text{mW}/\text{cm}^2]$ = $(180/f^2)$
Table 1, (B)	30-300 MHz:	Limit $[\text{mW}/\text{cm}^2]$ = 0.2
	300-1500 MHz:	Limit $[\text{mW}/\text{cm}^2]$ = $f/1500$
	1500-100,000 MHz:	Limit $[\text{mW}/\text{cm}^2]$ = 1.0

Power, Conducted, W = 50 Watts = 46.9 dBm

Power + Ant. Gain, W = 46.9 dBm + 0 dBd = 50 Watts, 100% Duty Cycle

Tested Distance: 30 cm

Results:

at tested distance

Probe Height, m	Power Density, mW/cm^2
2.0	0.12
1.8	0.27
1.6	0.58
1.4	1.3
1.2	1.6
1.0	0.81
0.8	0.43
0.6	0.21
0.4	0.09
0.2	0.07

Power Density
Calculations:

The measured power density readings were summed and the results divided by the number of readings to calculate the average.

For whole body: Average of 0.2 to 2.0 m, mW/cm^2 = 0.548

For lower body: Average of 0.2 to 0.8 m, mW/cm^2 = 0.200

For upper body: Average of 1.0 to 2.0 m, mW/cm^2 = 1.780

NOTE: Rule 1.1310 Table 1, A; OET Bulletin 65 Supplement C

For 160 MHz, Limit = $1.0 \text{ mW}/\text{cm}^2$, whole body average

Test Result = $0.443 \text{ mW}/\text{cm}^2$, whole body average

Separation Distance = 30 cm

SUPERVISED BY:

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