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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  $\mu$ W/cm<sup>2</sup> to 20 mW/cm<sup>2</sup>

LIMITS:

0.3-1.234 MHz: Limit [mW/cm<sup>2</sup>] = 100

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1.34-30 MHz: Limit [mW/cm<sup>2</sup>] = (180/f<sup>2</sup>)

Table 1, (B)

30-300 MHz: Limit [mW/cm<sup>2</sup>] = 0.2300-1500 MHz: Limit [mW/cm<sup>2</sup>] = f/15001500-100,000 MHz: Limit [mW/cm<sup>2</sup>] = 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 <sup>2</sup>
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<sup>2</sup> = 0.548

For lower body:

Average of 0.2 to 0.8 m, mW/cm<sup>2</sup> = 0.200

For upper body:

Average of 1.0 to 2.0 m, mW/cm<sup>2</sup> = 1.780

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

For 160 MHz, Limit = 1.0 mW/cm<sup>2</sup>, whole body averageTest Result = 0.443 mW/cm<sup>2</sup>, whole body average

Separation Distance = 30 cm

SUPERVISED BY:



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