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Name of test: Environmental Assessment

Tested Distance: = 0.3 m (11.8 in.)

Rated Probe Power Density: Narda 8761D Probe = 10 $\mu W/cm^2$ to 20 mW/cm^2

Error Margin: Narda 8717 Meter = 1%

EUT Description: See Page 2.
Power[W] = 3
Test Frequency, MHz = 824.04
Ant. Model As shipped
Ant. Gain[dBi] = 2.5
Power[W EIRP] $P_{[W]} \times G = 5.3$ Watts EIRP

MPE Limit $[mW/cm^2]$ = f/1500 (formula for test frequency)
MPE Limit $[mW/cm^2]$ = 0.549 (calculated result)
MPE Limit $[W/m^2]$ = 5.49 (final units)

Theoretical safe distance: $R_{[m]} = [(P_{[W\ EIRP]}) / (4\pi \times Limit_{[W/m^2]})]^{1/2}$
$R_{[m]} = 0.277$
$R_{[inches]} = 10.9$

Results: at tested distance

Probe Height, m	Power Density, mW/cm^2
2.0	0.32
1.8	0.23
1.6	0.19
1.4	0.42
1.2	0.52
1.0	0.70
0.8	0.45
0.6	0.30
0.4	0.21
0.2	0.16

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 = 0.350
For lower body: Average of 0.2 to 0.8 m, mW/cm^2 = 0.280
For upper body: Average of 1.0 to 2.0 m, mW/cm^2 = 0.397

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Name of test: Environmental Assessment

Tested Distance: = 0.267 m (10.5 in.)

Rated Probe Power Density: Narda 8761D Probe = 10 μW/cm^2 to 20 mW/cm^2

Error Margin: Narda 8717 Meter = 1%

EUT Description: See Page 2.
Power[W] = 3
Test Frequency, MHz = 836.4
Ant. Model As shipped
Ant. Gain[dBi] = 2.5
Power[W EIRP] $P_{[W]} \times G = 5.3$ Watts EIRP

MPE Limit [mW/cm^2] = f/1500 (formula for test frequency)
MPE Limit [mW/cm^2] = 0.558 (calculated result)
MPE Limit [W/m^2] = 5.58 (final units)

Theoretical safe distance: $R_{[m]} = [(P_{[W\ EIRP]}) / (4\pi \times Limit_{[W/m^2]})]^{1/2}$
$R_{[m]} = 0.275$
$R_{[inches]} = 10.8$

Results: at tested distance

Probe Height, m	Power Density, mW/cm^2
2.0	0.30
1.8	0.19
1.6	0.27
1.4	0.38
1.2	0.48
1.0	0.68
0.8	0.29
0.6	0.17
0.4	0.24
0.2	0.20

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 = 0.321
For lower body: Average of 0.2 to 0.8 m, mW/cm^2 = 0.225
For upper body: Average of 1.0 to 2.0 m, mW/cm^2 = 0.385

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Name of test: Environmental Assessment

Tested Distance: = 0.298 m (11.7 in.)

Rated Probe Power Density: Narda 8761D Probe = 10 μW/cm^2 to 20 mW/cm^2

Error Margin: Narda 8717 Meter = 1%

EUT Description: See Page 2.
Power[W] = 3
Test Frequency, MHz = 848.97
Ant. Model As shipped
Ant. Gain[dBi] = 2.5
Power[W EIRP] $P_{[W]} \times G = 5.3$ Watts EIRP

MPE Limit [mW/cm^2] = f/1500 (formula for test frequency)
MPE Limit [mW/cm^2] = 0.566 (calculated result)
MPE Limit [W/m^2] = 5.66 (final units)

Theoretical safe distance: $R_{[m]} = [(P_{[W\ EIRP]}) / (4\pi \times Limit_{[W/m^2]})]^{1/2}$
$R_{[m]} = 0.272$
$R_{[inches]} = 10.7$

Results: at tested distance

Probe Height, m	Power Density, mW/cm^2
2.0	0.15
1.8	0.19
1.6	0.26
1.4	0.21
1.2	0.44
1.0	0.57
0.8	0.48
0.6	0.37
0.4	0.28
0.2	0.13

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 = 0.308
For lower body: Average of 0.2 to 0.8 m, mW/cm^2 = 0.315
For upper body: Average of 1.0 to 2.0 m, mW/cm^2 = 0.303

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