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Name of test: Environmental Assessment

EUT Description: See Page 2.
 Power, Conducted [W] = 18
 Test Frequency, MHz = 896.1
 Ant. Model Monopole
 Ant. Gain[dB] = 4.5

Rated Probe: Narda 8761D Probe = 10 μW/cm² to 20 mW/cm²

47 CFR 1.1210 Table 1, (B)
 0.3-1.234 MHz: Limit [mW/cm²] = 100
 1.34-30 MHz: Limit [mW/cm²] = (180/f²)
 30-300 MHz: Limit [mW/cm²] = 0.2
 300-1500 MHz: Limit [mW/cm²] = f/1500
 1500-100,000 MHz: Limit [mW/cm²] = 1.0

Power[W EIRP] (P[Watts,Conducted] + G) = 50.73 W, ERP
 Limit [mW/cm²] = 0.5974
 Theoretical safe distance: R[m] = [(P[W EIRP]) / (4π x Limit[W/m²])] ^{1/2}
 R[m] = 0.822
 R[inches] = 32.4

Measurement Distance = 0.8667 meters

Results:	Probe Height, m	Power Density, mW/cm ²
at tested distance	2.0	0.14
of 0.866 m	1.8	0.25
	1.6	0.29
	1.4	0.34
	1.2	0.38
	1.0	0.53
	0.8	0.24
	0.6	0.37
	0.4	0.18
	0.2	0.10

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/cm² = 0.28
 For lower body: Average of 0.2 to 0.8 m, mW/cm² = 0.22
 For upper body: Average of 1.0 to 2.0 m, mW/cm² = 0.32

SUPERVISED BY:

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