Name of test: Environmental Assessment

EUT Description: See Page 2.
Power, Conducted [W]   = 40 (20 W for 50% Duty Factor)
Test Frequency, MHz   = 490
Ant. Model   ¼ Wave, Rubber Duck
Ant. Gain[dB]   = 0 dBd, Unity

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

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Table 1, (B)	0.3-1.234 MHz:	Limit [mW/cm^2] = 100
	1.34-300 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[Watts,Conducted] + G) = 20 for 50% Duty Factor
Limit [mW/cm^2]   = 0.32
Limit [W/m^2]   = 3.2
Theoretical safe $R_{[m]} = [(P_{[W\ EIRP]}) / (4\pi \times Limit_{[W/m^2]})]^{1/2}$
distance: R[m]   = 0.7
                         R[inches] = 28
Measurement Distance   = 20 cm

$$Rm = [(20)/(4 \times \pi \times 3.2)]^{1/2} = 4.47/6.3 = 0.7 \text{ meter}$$

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