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Name of test: Environmental Assessment

EUT Description: See Page 2.
 Power, [dbi, W] = 41.21
 Test Frequency, MHz = 150
 Ant. Model 0 dbd antenna, Whip Antenna
 Ant. Gain = 2.15 dbi

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

47 CFR 1.1210
 Table 1, (B) 0.3-1.234 MHz: Limit [mW/cm^2] = 100
 1.34-30 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] $(P[\text{Watts, Conducted}] + G) = 25$ for 50% Duty Cycle
 Limit [mW/cm^2] = 0.2
 Theoretical safe $R[\text{m}] = [(P[\text{W EIRP}]) / (4\pi \times \text{Limit}[\text{W/m}^2])]^{1/2}$
 distance: $R[\text{m}] = 1.28$
 Minimum Safe Distance: = 1.28 m

SUPERVISED BY:



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