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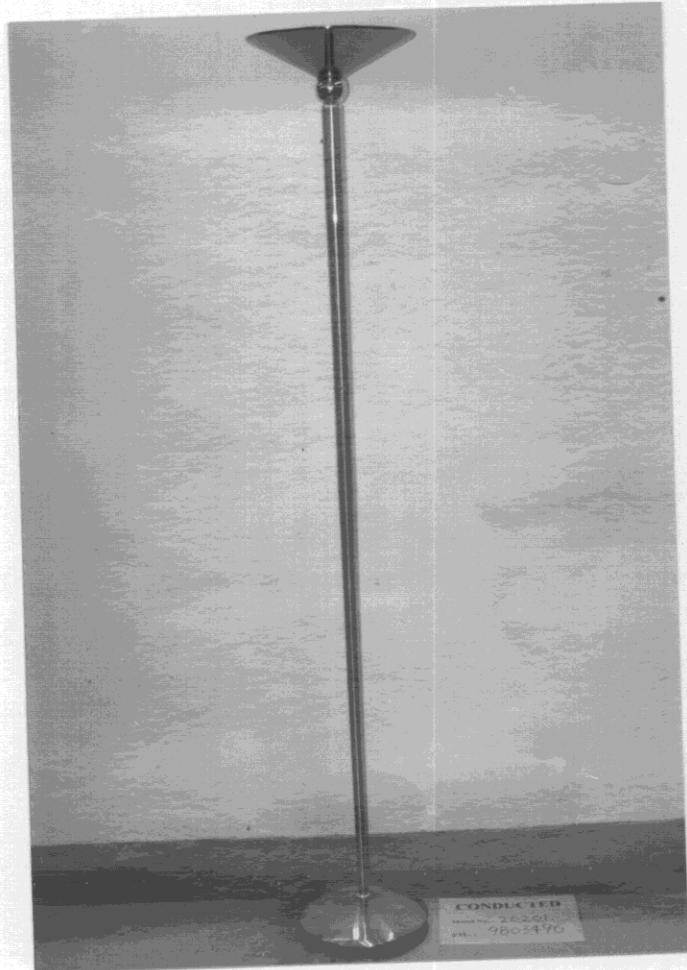
Technical Description

Floor Lamp With Electronic Ballast

Model 20201 and 20204

The lamp incorporates a continuous dimmable electronic ballast mounted in the center of the reflector lamp shade. An external EMI filter is mounted inside the pole of the floor lamp near the variable resistor / on-off switch. This EMI filter consists of a common mode choke, across the line and Y-type suppressor capacitors to block the conduction interference.

The electronic ballast consists of a variable frequency controller IC direct driving two power mosfet transistors which switch the fluorescent tube and series inductor in a frequency range of about 25 KHz to about 80 KHz. The frequency of the IC controller is determined by a variable resistor (VR / on-off switch mounted on the pole) in series with a capacitor. By varying the frequency, change of the brightness is achieved.

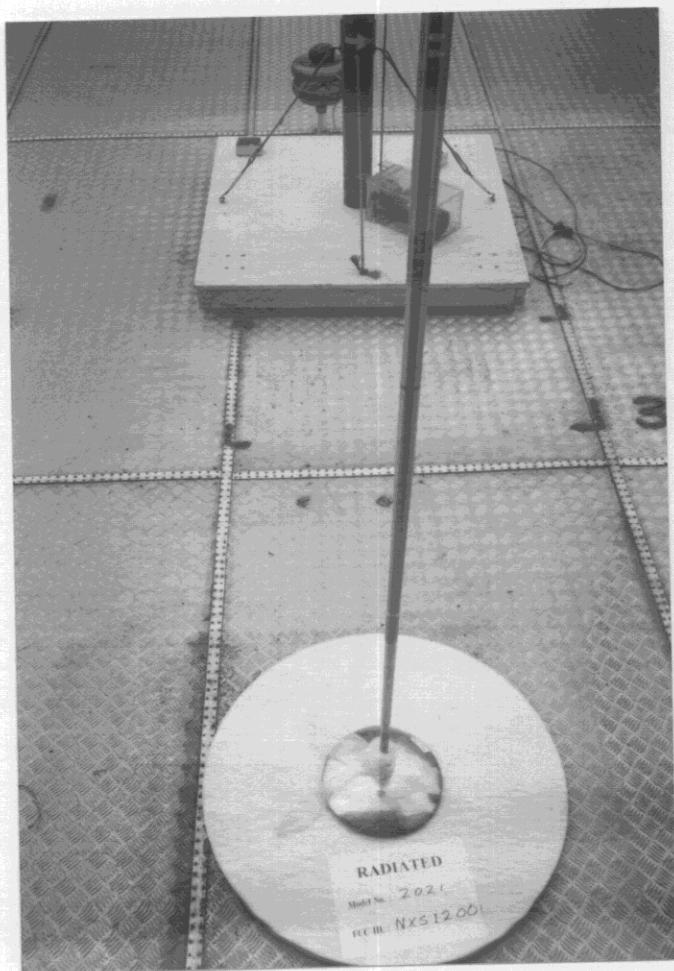


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3.2 Radiated Emission Configuration Photograph

Worst Case Radiated Emission

Front View

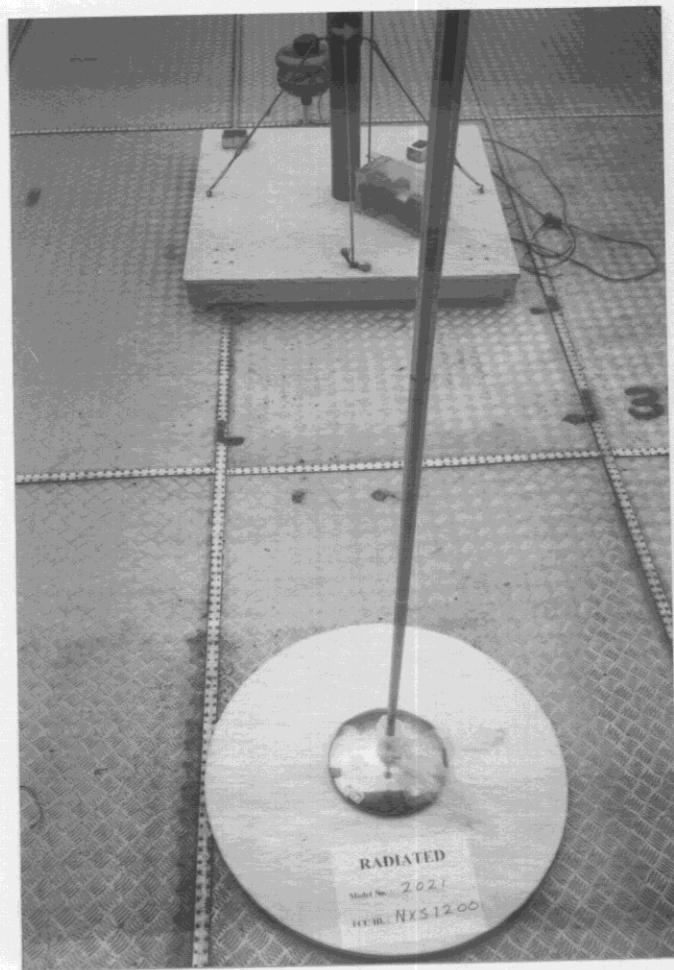


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3.2 Radiated Emission Configuration Photograph (cont)

Worst Case Radiated Emission

Rear View



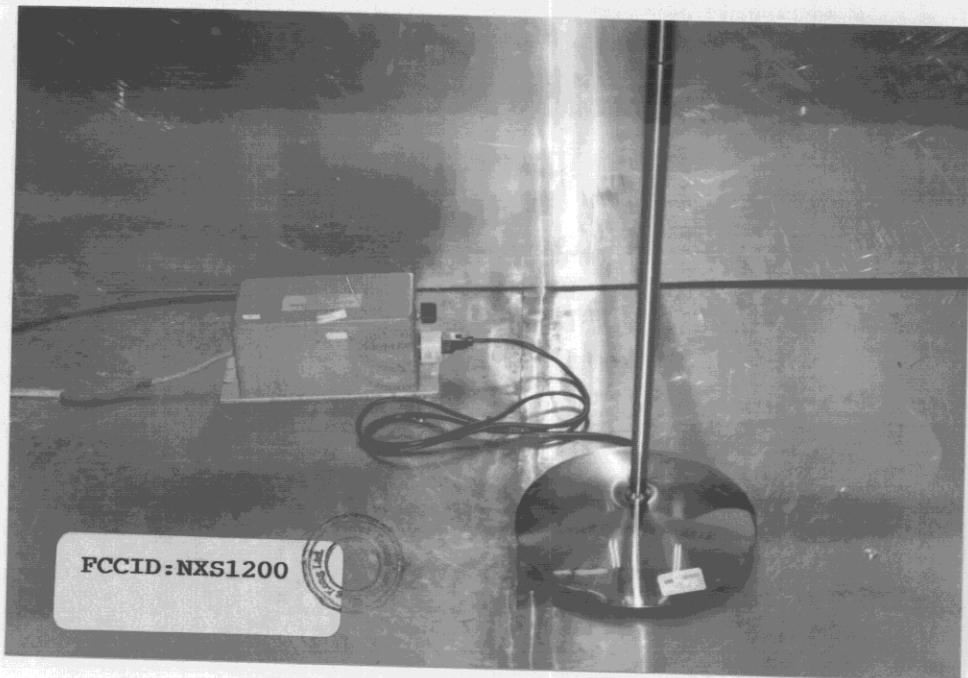
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3.4 Line Conducted Configuration Photograph

Worst Case Line-Conducted Configuration

Front View

0.560 MHz



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3.4 Line Conducted Configuration Photograph (cont)

Worst Case Line-Conducted Configuration

Side View

0.560 MHz

