



Model ORL110 Radiating Loop and Model OLS112 Loop Sensor

OPHIR_{EMC} Model ORL110 Radiating Loop and Model OLS112 Loop Sensor are designed to meet the requirements for radiated magnetic field susceptibility testing from 30 Hz to 100 kHz as specified in Mil-Std-461G for RS101 testing. The ORL110 Radiating Loop is used in conjunction with the OLS112 Loop Sensor to verify the magnetic field generated by the ORL110 as required by RS101 of Mil-Std-461G. The ORL110 coil form positions the coil 5 cm from the EUT when placed against the EUT.

The loops are also compliant with other EMC standards and specifications.

Specifications

ORL110 Radiating Loop

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|------------------------|--|
| Coil Diameter: | 12 cm (4.72") |
| Overall Dimensions: | 13.3 cm (5.25") O.D. x 6 cm (2.37") |
| Termination: | Standard 3/4" Binding Post |
| Turns: | 20 |
| Wire: | #12 insulated Copper Magnet Wire |
| Magnetic Flux Density: | 9.5x10 ⁷ pT/ampere of applied current at a distance of 5 cm from the plane of the loop. |

OLS112 Loop Sensor

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|---------------------|---------------------------------|
| Coil Diameter: | 4 cm (1.57") |
| Overall Dimensions: | 5 cm (2") O.D. x 1.9 cm (.749") |
| Connector: | Type BNC Receptacle |
| Turns: | 51 |
| Wire: | #7-41 Litz wire |
| Shielding: | Electrostatic |

