

LOW DIELECTRIC TABLE MODELS LDT-1.2, LDT-1.5

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Lindgren's Low Dielectric Tables (LDT) are lightweight, portable test tables, constructed with materials selected for their low dielectric properties. The construction materials for the EUT's thin support surface have a dielectric constant of <3.0 , with each table's support structures having a dielectric constant of <1.03 . The result is a table having virtually no influence on radiated emissions measurements, especially above 1 GHz, where frequencies are affected most.

For ease of use and accurate EUT positioning, an EUT placement grid is integrated onto the test table top.

Results were measured in accordance of CISPR 16-1-4 (Section 5.5) that discusses how to evaluate the test table's effect on radiated emissions measurement from 200 MHz to 18 GHz. The tests were performed in a validated 3-meter semi-anechoic chamber.

LDTs are available in two sizes; 1.2 m x 1.0 (Model LDT-1.2) and 1.5 m x 1.0 m (Model LDT-1.5). Both test tables have a load capacity of 100 kg (220 lb). Custom sizes are available; please contact ETS-Lindgren for details. Both LDT models are designed to be used with a 1.2 m diameter or larger turntable.

Key Features

- For Radiated Emissions Measurements
- Minimal Measurement Influence
- EUT Placement Grid (10 cm²)
- Distributed Load Capacity of 100 kg (220 lb)
- Durable Construction

Specifications

Electrical Specifications

Base and Table Dielectric Constant (Both Models): <1.03

Laminate Top Dielectric Constant (Both Models): <3.0



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Physical Specifications

Model	Length	Width	Height	Load Capacity
LDT-1.2	120.0 cm (47.2 in)	100.0 cm (39.4 in)	80.0 cm (31.5 in)	100.0 kg (220.0 lb)
LDT-1.5	150.0 cm (59.1 in)	100.0 cm (39.4 in)	80.0 cm (31.5 in)	100.0 kg (220.0 lb)

Other Specifications

- EUT Test Table Assembly

Product Charts

Low Dielectric Table Models LDT-1.2; LDT-1.5
Typical Performance of Table Effect on Radiated Emission Measurements
(Data for 6-18 GHz Range Available on Request)

