



RF Shielding Anytime, Anywhere.

The dbTENT is an easy-to-assemble, collapsible high-performance RF test enclosure.

Whether you need to make measurements in the field or in the lab, the dbTENT provides superior 90 dB of isolation over a wide frequency range thanks to its patented double layer conductive fabric design.

Its versatile design allows for convenient setup and breakdown making it easy to transport and store. The dbTENT will get you ready for testing instantly in a wide variety of environments.

Featuring an interchangeable customizable I/O panel, optional ventilation and isolation equivalent to a conventional welded enclosure, the dbTENT will meet all your needs for non-permanent RF/EMI isolated testing, making it an ideal tool for RF interference troubleshooting or EMI pre-compliance testing.



Lightweight, Compact Design

The portable dbTENT can be assembled and disassembled in a matter of minutes and transported to a wide variety of locations in its compact carrying case. It is ideal for testing in remote locations, off site facilities and other areas where a permanent enclosure may not be possible.



Customizable I/O Panel

The dbTENT I/O panel is customizable with a broad range of I/O interfaces. Choose from DVTEST's wide range of standard RF, power and signalling options including a variety of high speed data modules such as 1 Gbps Ethernet, USB 3.0/3.1 and HDMI 1.4.



Conductive Fabric Shielding

The dbTENT is constructed from 5 ml nylon rip stop fabric with a conductive coating of silver/copper/nickel. This material is extremely flexible and highly resistive against galvanic corrosion. The double layer construction provides superior isolation over a wide range of frequencies.



Ventilation

Optional ventilation is available through DVTEST's Active Waveguide cooling technology (patent pending). Waveguide air vents maintain isolation levels more effectively than honeycomb vents or EMI screens.

Specifications:

Shielding Effectiveness (dB)	30 MHz to 300 MHz > 85 dB 300 MHz to 2 GHz > 90 dB 2 GHz to 18 GHz > 80 dB
Construction	
Frame Type	Heavy-duty aluminum frame with an adjustable strap attachment
Wall Type	Double wall dual-layer conductive fabric, RoHS compliant, durable, lightweight silver/copper/nickel fabric
Door Style	Front Opening with magnetic seal
Accessories	
OTA Performance Verification	Noise Source and Power Sensor
Test Probe Antenna	dbDIRECT Cross Polarized Vivaldi
Calibration Antenna	dbDIRECT Series Standard Gain Horn
Configuration	
Options	Detachable Floor Ventilation: 2 RF Shielded Vents and Fan
Warranty	1 year, Parts and Labor
Ordering Information	Model S: DBT2424 Model M: DBT3636 Model L: DBT4848

All dimensions W x D x H Inch (mm)	
Model S Dimensions	24"(610) x 24"(610) x 24"(610)
Model M Dimensions	36"(914) x 36"(914) x 36"(914)
Model L Dimensions	48"(1219) x 48"(1219) x 48"(1219)
Enclosure Options	
Cooling	Passive Waveguide Vent Active Waveguide Ventilation Module
Waveguide Optical Data Feedthrough	6 Position Modules Available
Ethernet to Fiber Interface	USB 2.0 / 3.0 / 3.1 Up to 10 Gbps
I/O Panel Options	
RF Connectors	SMA, N, BNC USB 2.0/ 3.0/ 3.1
I/O Connectors and Data Modules	Ethernet up to 1 Gbps with POE Audio 3.5 mm (2, 4 or 20 position) HDMI 1.4 Data Module D-Sub- DB-9, DB-15 (50 position and HD D-subs available on request). 50V/5A Per Pin
AC Power	120/250 V - 15 A, 50/60 Hz AC Module
DC Power	0-100 VDC - 20 A, Two Position DC Module

