

INTERLAB[®] SHIELDED ENCLOSURE FOR A VARIETY OF OTA TESTS

Test House | Systems House | Software House

**NEW
LATEST ADDITIONS
FOR EMI**

VARIABLE TEST SET-UPS FOR OTA TESTS OF MOBILE PHONES AND OTHER WIRELESS DEVICES

The InterLab[®] Shielded Enclosure from 7Layers for over-the-air (OTA) test environments, is based on a shielded cabin (STS-75) from Albatross GmbH. Designed and made in Germany, it is a flexible and adaptable solution, serving many purposes and products.

Although small in size and reasonably priced, it creates a properly shielded test environment for rigorous OTA device verification with high accuracy levels, without the need for an RF-wired connection. It is ideally suited for R&D purposes. The InterLab[®] Shielded Enclosure is perfect for testing mobile devices, smart phones, mobile headsets and similar devices with integrated wireless modules or chip-sets.

NEW!

Our latest addition are RF performance test applications like testing of wanted radiated power and testing of unwanted radiated spurious emissions (EMI) of wireless devices in the frequency range between 700 MHz and 6 GHz.

Accessories to cover EMI test needs

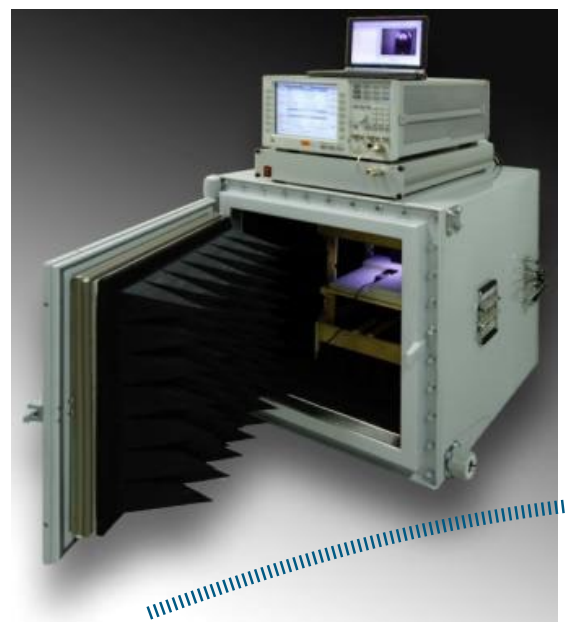
- Wide Band Antennas
RF coupling system comprising three wide band circular polarized antennas
- Filter
Power supply filter for devices-under-test powered by a 230V power supply

AT A GLANCE:

- Flexible - for various R&D test purposes
- Compact size - fits through standard doors
- Large pyramid absorbers or ferrite tiles
- Multi antenna systems

POSSIBLE APPLICATIONS

- RF Performance testing
 - for mass production testing
 - reproducible results due to reduction of standing waves
 - testing of wanted radiated power
 - testing of unwanted radiated spurious emissions (EMI)
- Battery life-time testing
- easy, lifelike call set-up
- Data throughput tests
- Temperature measurements
- enough room for additional equipment such as an IR camera
- Acoustic testing and buzzing noise analysis
- pyramid absorbers functioning like in an acoustic chamber
- Functional testing
- for all kinds of wireless applications,
- e.g. large enough for 300 MHz with ferrite version



INTERLAB® SHIELDED ENCLOSURE

BASE UNIT OPTIONS

Base Device - Pyramid Absorber - STS-75-BP

Metal Box:	2 mm hot galvanized steel
Weight:	approx. 60 kg
Size:	approx. 75 cm cube, (incl. handle and tube access: 73 x 80 x 86 cm)
Shielding:	80 dB for 600MHz to 6GHz
Access:	4 x RF N-feed through and 1 tube 2.5 cm (1") diameter, 50 cm length
Door:	52 cm clearance, pre-selectable door swing direction, swing direction changeable at any time by user
Absorber:	20 cm (8") long, optimized for frequencies higher than 700 MHz

Base Device - Ferrite - STS-75-BF

Same mechanical characteristics as Base Device STS-75-BP but with ferrite tiles instead of pyramid absorbers for better performance below 700 MHz.



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Taiwan R.O.C.	+ 886.2.29551270
South Korea	+ 82.70.88532301
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ACCESSORIES

Generic DUT Support - STS-75-GSW

Basic device-under-test support, low loss, low erel material support

Specific DUT Holder - STS-75-ST

Specific device-under-test holder for mass production testing Hexa Band Antennas

Hexa-Band Antennas - STS-75-HEXAB

RF coupling system comprising 3 hexa-band antennas

NEW! Wideband Antennas - STS-75-WBA

RF coupling system comprising 3 wideband circular polarized antennas

GPS Antenna - STS-75-GPSBT

Additional dual-band GPS/BT coupling antenna

RF Combiner - STS-75-C

Supports usage of base station simulator for easy link set-ups

Visual control - STS-75-VC

1.3 megapixel USB webcam plus DC light source

NEW! Filter - STS-75-F230V1

Power supply filter for devices-under-test powered by a 230 V power supply

Tool Box - STS-75-TB

Test equipment plus PN_PAS software license to control link set-ups, RF tests etc.

Battery Life - STS-75-VFBAT

For all battery life test cases required by GCF and Vodafone

