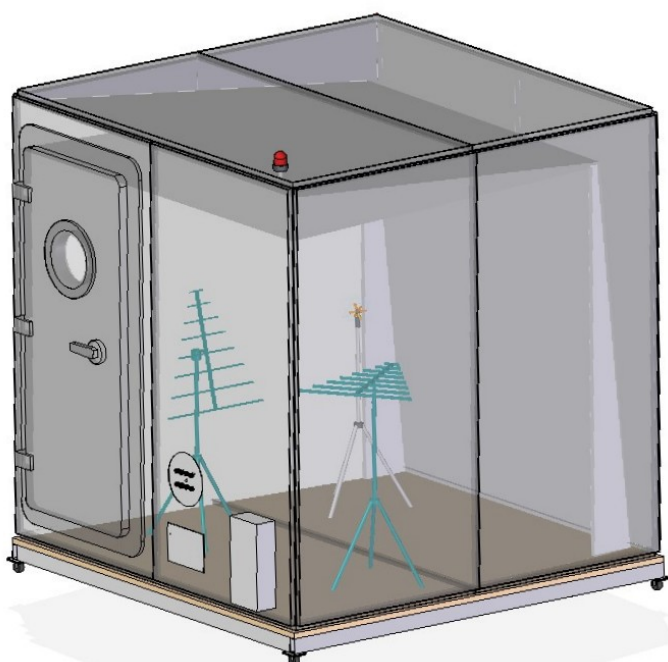


Reverberation Chamber: Mod. HY-VRC

The EMCTEST's Hybrid Vibration Reverberation Chamber: HY-VRC is the last up-to-date performing and improved solution than conventional reverberation chambers for testing small objects. It is based on a vibrating Silver/Copper/Nickel metalized tent structure inside a skeleton external structure. It was developed for testing of small antennas and phones for any wireless communications standard which are designed for operation in multipath environment with Rayleigh fading, such as GSM, PDC, CDMA, WCDMA, DECT, Bluetooth, WLAN, and more. The Emctest HY-VRC is a part of a multipath simulator. The unique continuous mode stirring is obtained thanks to a vibrating tent with two pneumatic devices with variable oscillation from 5Hz up to 30Hz. The unit provides a good accuracy of the measurements even in low frequency bands such as VHF. This new operating system reduces dramatically measurements time replacing traditional antenna measurements and wireless terminals by so-called 3D pattern integration in antenna far-field range using anechoic chamber. The HY-VRCs are particularly well suited for measuring phone in talk position near a head phantom, in order to determine the effect of the human body exposed at the Radio Frequency.



Double Ridge Horn



Technical panel



Key Features

Engineered in Europe and completely manufactured in Brazil.

Ruggedized fully hot galvanized modular panels and stainless inox steel door construction

Unique compact design with MIL Specs.

High effective shielding.

Reduced measuring times

Transparent, shielded window in door

LED light illuminates DUT inside chamber

Excellent quality at Low cost

Useful for any immunity test and emission evaluations

Technical Panel

N.1 Feed-thru "N" connector

N.2 Feed-thru "SMA" connectors

N.1 Feed-thru fibre optic penetration for 3 couples.

Options

Biconical antennas 20-300MHz

Logarithmic antennas 200-1000MHz, 200-1800MHz

Ridge Horn antennas 0,9-18GHz

Low impact Triaxial isotropic sensor up to 9GHz

Power supply line filter units: 20A, 30A AC 230 or 400VAC

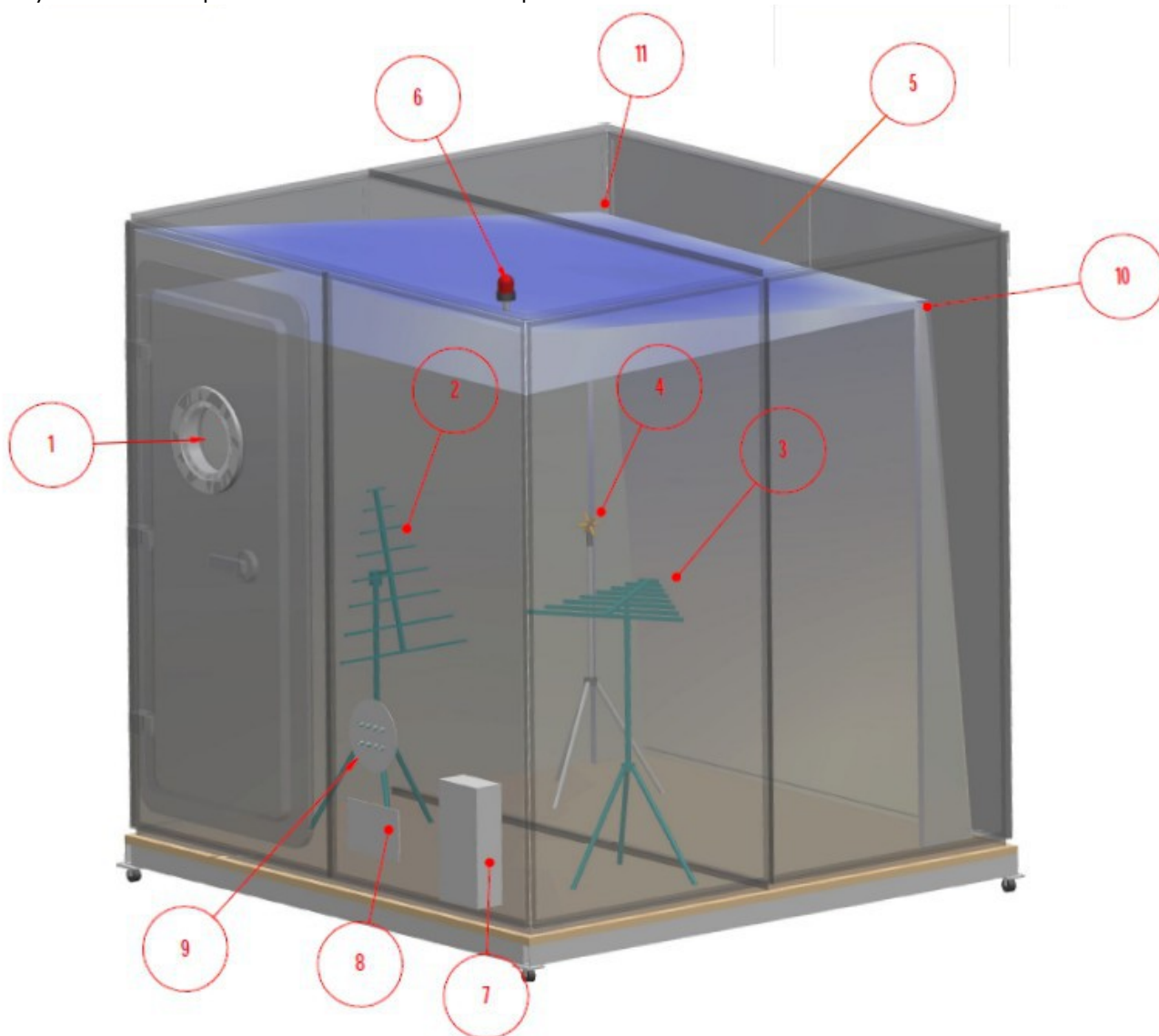
Other products by Emctest Ltda:

GTEM, TEM cells, and Stripline cells, Helmholtz coils, Hi power measurements antennas, wave guides

Modular Shielded semi-anechoic and conventional reverberation chambers.

Reverberation tents. Coaxial - triaxial cells,

Customized options available on demand
Honeycomb air flow panel with 40GHz cut-off freq.



Description

- | | | | |
|---|--|----|---|
| 1 | 200mm. shielded glass window | 7 | Filter box power supply unit |
| 2 | Monitor antenna (Biconical, logarithmic, Double ridge Horn) | 8 | Honeycomb air vent panel |
| 3 | Transmitting antenna (Biconical, logarithmic, Double ridge Horn) | 9 | Technical panel: N, SMA, fiber optic feed-through connectors, wave guides |
| 4 | Isotropic sensor | 10 | Vibrating device system |
| 5 | Metalized vibrating tent | 11 | Vibrating device system |
| 6 | ON AIR alarm lamp | | |

External Dimensions: L220xW220xH240cm. EUT Dimensions: Max.0,8x0,8x0,8m. Weight: 400Kg.