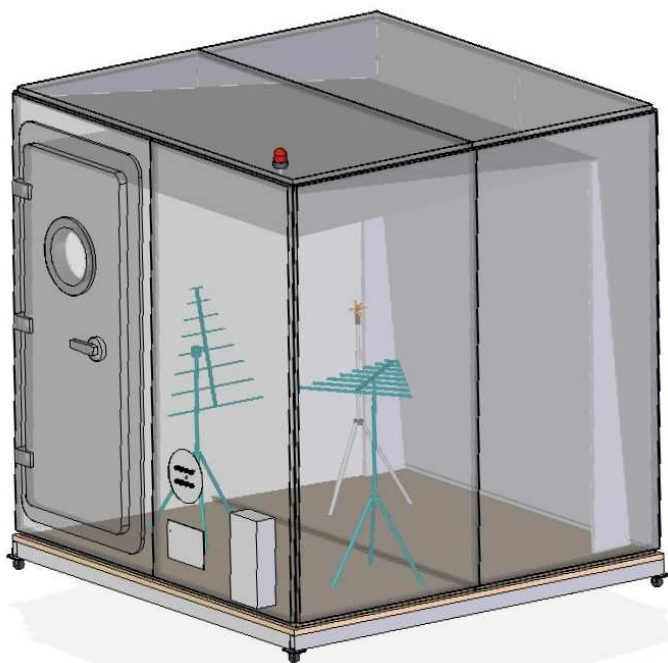


Reverberation Chamber: Mod. HY-VRC

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 object. It is based on a vibrating Nickel metalized tent structure inside a Faraday cage. 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 multi-path 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 and completely manufactured in Europe.
- Ruggedized fully iron steel and INOX construction
- Unique compact design.
- High effective shielding.
- Reduced measuring times
- Transparent, shielded window in door
- Halogen 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 1 couple.
- Customized options available on demand

Honeycomb air flow ventilation panel

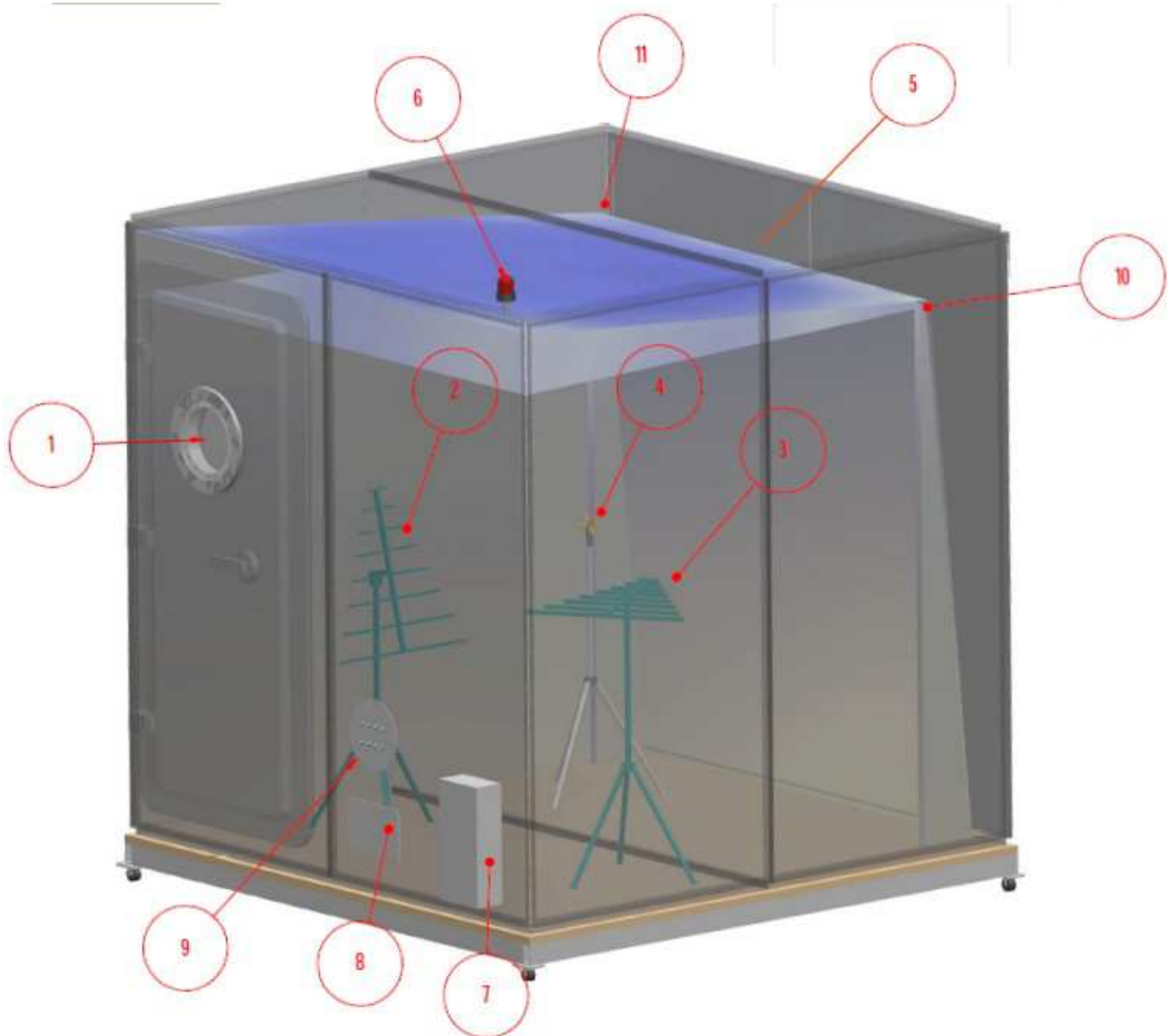
Options

- 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

Other products by Emctest Ltda:

- TEM cells, TEM and Stripline cells, Helmholtz coils,
- Hi power measurements antennas, wave guide
- Modular Shielded semi-anechoic and conventional reverberation chambers.
- Reverberation tents. Coaxial - triaxial cells,
- Customized RF equipments for EMC - EMI tests.

Call or write for more info.



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 | | |