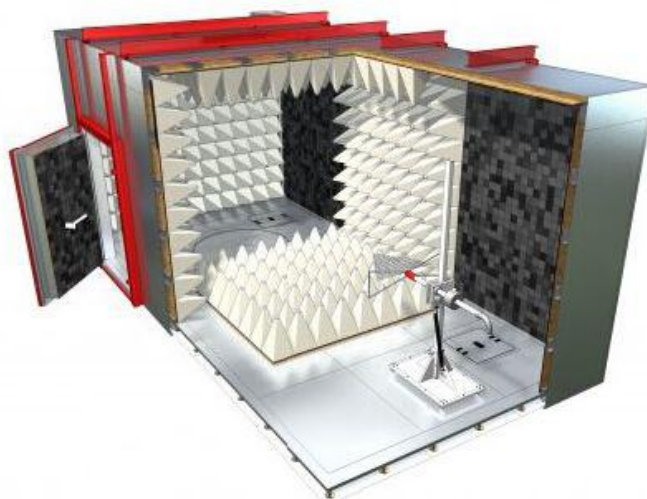


3 m Compact Hybrid Chamber

Datasheet



Introduction

CHC is an optimal solution for pre-compliance emission tests in compliance with IEC/EN 61000-4-3 with 3m testing method. Its characteristic fit best the requirement of radiation emission pre-compliance tests. Installation of ferrite absorbers and hybrid absorbers internally makes the test frequency range range from 30 MHz to 18 GHz at least. Users can choose either the semi anechoic chamber (with ground plane) or the fully anechoic chamber (with floor absorbers). For radiation immunity tests, it's necessary to lay absorbers on the floor between radiation emission antenna and EUT, so the absorbers are standard accessories when the chamber is delivery.

Technical Indices

Dimensions	7,355 mm (L) *3,755 mm (W) * 3300 mm(H)
Frequency Range	30 MHz-18 GHz

Absorbers

Side Wall	F006 ferrite absorbers + 7.2 m ² H450 hybrid absorbers on the center
Back Wall of EUT	F006 ferrite absorbers + 9.9 m ² H450 hybrid absorbers on the center
Back Wall of Antenna	F006 ferrite absorbers (Trumpet antenna is used to measure when the frequency is more than 1 GHz)
Ceiling	F006 ferrite absorbers + 5.76 m ² H450 hybrid absorbers on the center
Floor (SAC)	7.2 m ² removable H450 hybrid absorbers
Floor (SAC)	F006 ferrite absorbers + 7.2 m ² H450 hybrid absorbers on the center
Radiation Emission Test	Pre-compliance test

Radiation Immunity Test	Conform to the 3m radiation immunity certification test of IEC/EN 61000-4-3
Size of Uniform Field	1.5m*1.5m
Max. Deviation	75% of 16 measuring points conform to -0dB/+6dB

Standard Configuration

- One access door, 938mm x 1,968mm
- 2 honeycomb windows used for ventilating
- One 250 V AC mains filter, 2*32A
- 2 interface panels
- Feed through components: 6 N-type connectors, 6 BNC connector, 2 fiber interfaces
- Electrical equipment
- Lightning equipment
- Elevated floor
- Laying Absorbers

Optional Configuration

- Three-phase mains filter
- Signal and data wire filter
- Fan
- Antenna lifting tower
- Video and audio monitoring system
- Turntable
- Totally non-combustion type wedge absorbers
- Calibration for the performance of chamber
- Measurement devices
- Other additional devices



SUZHOU 3CTEST ELECTRONIC CO., LTD.

Add.: No. 99 E'meishan Road, SND, Suzhou, Jiangsu Province, China

Tel: +86 (0)512 6807 7192 Fax: +86-512-68079795

Sales Email: globalsales@3ctest.cn Service Email: service@3ctest.cn

www.3c-test.com