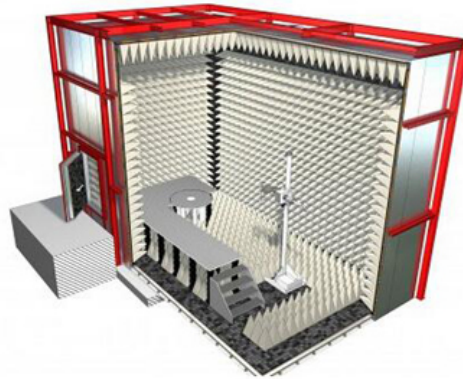


Anechoic and Shielding Chamber

Datasheet



Introduction

In standard CISPR16-1-4, FAC is defined as "test site with no reflection plane". Compared with SAC (semi anechoic chamber), the absorbers are installed not only on wall and ceiling, but also on floor. The main advantage of FAC is that there is no floor reflection, so a height scan is no longer necessary, which saved much testing time. However, the testing setup of chamber will be special and tedious because of the absorbers on floor, especially when a EUT has heavy weight and large size, it's obvious that the test setup is difficult. In general, compared with SAC of the same type, establishing an FAC totally in compliance with requirement will be bigger in size and cost more. The biggest advantage is to save test time and meet the requirement of particular performance test of particular products (such as wireless stray tests).

Technical Indices

Type	FAC3	FAC5
Dimensions (L*W*H)	10.58 m*6.08 m*7.50 m	12.08 m*8.18 m*7.50 m
Frequency Range	26 MHZ-18 GHZ	
Measurement Distance	3.0 m	5.0 m
Absorbers Wall/Ceiling/Floor	Laying F006 ferrite absorber internally, laying H600/H1000 hybrid absorber partially	
Radiation Emission Tests	Completely conform to the requirement of CISPR16-2-3	
In compliance with FSNSA Maximum Deviation as per	±4 dB	

CISPR16-1-4		
In Compliance With Maximum Field Voltage Standing Wave Ratio as per CISPR 16-1-4	6 dB	
Size of Quiet Zone	Diameter 1.2 m Height 1.5 m	Diameter 2.0 m Height 2.0 m
Radiation Immunity Test	Completely conform to the requirement of IEC/EN 61000-4-3	
Size of Uniform Field	1.5 m*1.5 m	
Max. Deviation	75% of 16 measuring points conform to 0 dB/+6 dB	

Standard Configuration

- One access door, 1238mm x2118mm
- 6 honeycomb windows used for ventilating
- One 440 V AC mains filter, 4x32A
- 2 interface panels
- Electrical devices
- Lightning device
- Wooden floor
- One wooden table
- Absorber
- One turntable
- One antenna tower
- One controller of antenna and turntable
- Aisle to turntable/antenna tower
- Feed through components: 6 N-type connectors, 4 BNC connector, 4 fiber interfaces

Optional Configuration

- Signal and data wire filter
- Video and audio monitoring system
- Calibration for the performance of chamber
- Measurement devices
- Totally non-combustion type absorbers



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