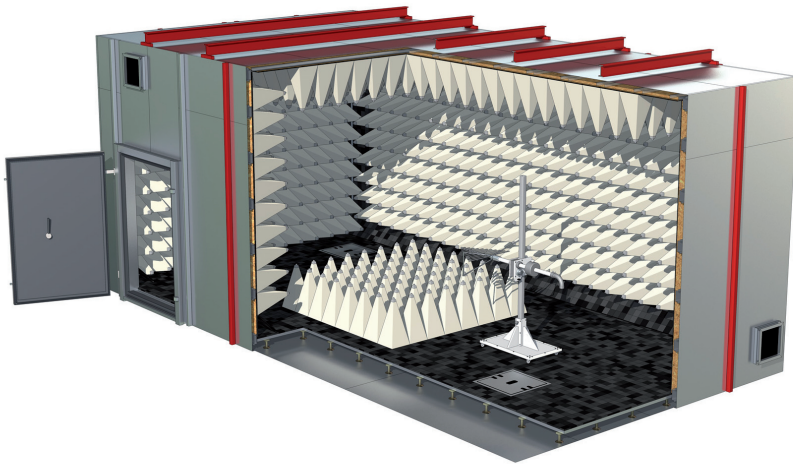


FULLY ANECHOIC CHAMBER – FAC-3



Short Description

FAC's are defined in CISPR 16-1-4 as "Test site without ground-plane". In comparison to a SAC (Semi Anechoic Chamber) it means that not only the walls and ceiling are lined with absorbers, but also the floor. The advantage of FAC's is mainly, that reflections from the floor cannot occur and therefore an antenna height scan is not longer necessary, what may save a lot of measuring time. However, special constructions will be necessary (because of the lining with floor absorbers) for the test setup of especially heavy and big EUT's.

Technical specifications	FAC-3
External dimensions (L x W x H)	8,705mm x 4,655 mm x 3,750 mm
Frequency range	30 MHz to 18 GHz
Measuring distance	3.0 m
Absorber lining	
Walls / Ceiling / Floor	Full-lining with ferrite absorbers type F006 and partial lining with additional pyramid absorbers type H600 + (non-combustible)
Emission measurement	Full compliance acc. to CISPR 16-2-3
Max. deviation from FSNSA acc. to CISPR 16-1-4	±4 dB
Max. Site-VSWR acc. to CISPR 16-1-4	6 dB
Size of test volume	1.5 m diameter / 1.5 m height starting at 1m above the ferrite tiles on the floor
Immunity tests	Full compliance acc. to IEC/EN 61000-4-3
Size of uniform area	1.5 m x 1.5 m
Max deviation	-0 dB / +6 dB for 75 % of 16 measuring points

Standard Equipment

- 1 access door, 1.238 x 2.118 mm
- 4 honeycomb inserts for ventilation
- 1 mains filter, 440 VAC, 4 x 32 A
- 2 penetration panels
- Electric installation
- Illumination
- Raised floor
- Low reflexion table
- Absorber lining
- 1 Turntable, ø 1.5m, 500kg
- 1 Antenna stand with electrical polarization switch
- 1 Controller for antenna stand and turntable
- Feed-throughs: 8 x "N", 8 x "BNC" and 2 x for fibre optics

Options

- 1 phase mains filter
- Signal and / or data line filter
- Fan
- Video and / or audio system
- Validation of the chamber
- Measuring equipment