



## Anechoic chambers & EMC/EMI shielding

Holland Shielding Systems B.V. has experience in all types of EMC anechoic chambers and designs.

Our Anechoic Chambers are constructed as shielded rooms. All over the walls and the ceiling, absorbing materials and/or ferrite tiles are attached. The Anechoic Chambers show superb shielding performance and

are mainly applied in EM emission testing according to commercial and military standards.

The Anechoic Chambers are used to perform compliant radiated immunity tests in accordance to EMC-standards such as IEC / EN 61000-4-3.

They provide a full compliance immunity test site for the frequency range of **26Mhz to 18GHz**.

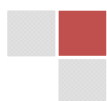
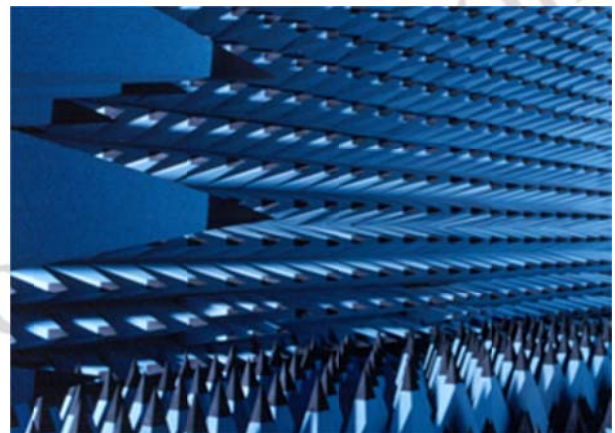
Also suitable for future free space emission test, pr EN 50147-3.

We can also build open area test sites.

**Emission Performance – 26MHz-18GHz**  
**Immunity 26 MHz-18GHz**

### Key features:

- Fully compliant design to meet UKAS and FCC requirements
- All dimension are possible
- Emission performance of +/-4dB or better 30MHz-40GHz frequency range



- Fully compliant for Immunity in accordance with EN61000.4.3
- Ferrite and Hybrid Lining from 30MHz-40GHz measurements
- Very cost-effective solution
- Flexible modular design enables you to make easy site changes or upgrades

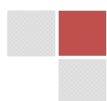
### Turnkey Systems:

A complete system approach is available to fully facilitate your laboratory and includes:

- Electrical distribution
- Turntables/Dynamometers
- Masts
- CCTV
- Air conditioning
- Fire detection and Supression
- Emission & Immunity Measurement Systems

See below a measurement report of an Anechoic Chamber

Test Frequency	Polarisation	Field
10 kHz	Planar	H
100 kHz	Planar	H
1 MHz	Planar	H
100 MHz	Vertical	E
500 MHz	Vertical	E
1 GHz	Vertical	E
5 GHz	Vertical	m
10 GHz	Vertical	m
18 GHz	Vertical	m



## Shielding Doors



Latch door mechanism



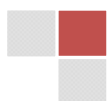
Ultra high performance swing door

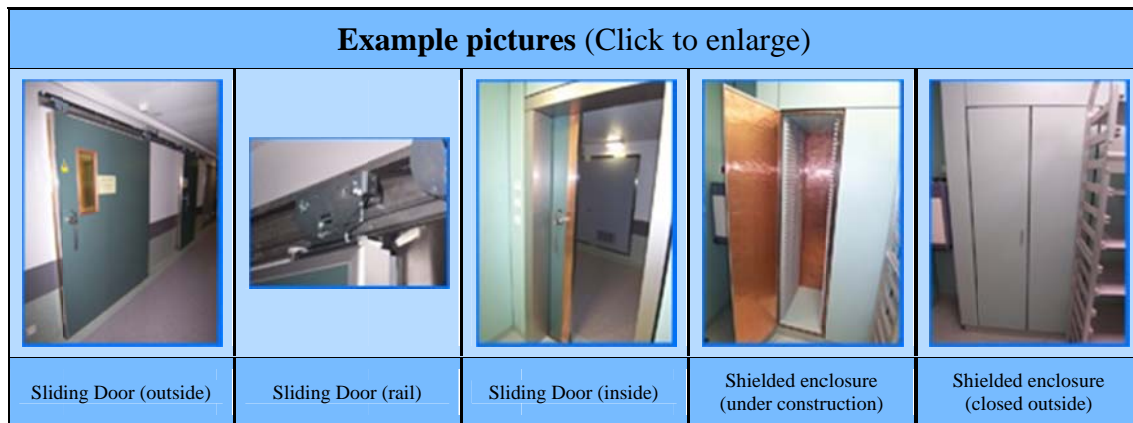


Ultra high performance sliding door



Fingerstrip door locking mechanism





## RF shielded box for wireless testing & forensics

This RF Shielded box has up to 120dB reduction of RF signals up to 5 GHz. This makes the shielded box ideal for the testing of cellular handsets, RFID, Bluetooth, Zigbee, WiMax, WLAN or similar wireless devices. The box can be constructed in any required size.

The mobility makes the box well suited for forensics when the current state of an electronic device needs to be frozen by blocking all wireless contact with the outside world.

### Applications

- Digital forensics
- Wireless testing
- R&D
- EMC Testing

