

# CISPR 25 Automotive Vehicle Test Facility



**GLOBAL EMC**  
ELECTROMAGNETIC SHIELDING & ANECHOICS EST. 1994

## Component Testing

Global EMC's CISPR12/25-V and CISPR12/25-10m-V automotive test facility has been specifically designed for automotive testing to meet the requirements of compliant EN55025/CISPR 25 testing.

The chamber is also compliant for immunity tests to ISO 11452-2 and is constructed using a self-standing steel structure and modular steel shield.

This test facility is complimented with high-performance pyramidal hybrid absorbers and ferrite tiles to walls and ceiling as required to make a semi-anechoic chamber. The CISPR12/25 Vehicle chambers are designed and manufactured to exact requirements but as standard come in two sizes.

CISPR12/25-V is for smaller vehicles using a 3-meter measuring distance. CISPR12/25-10m-V is large enough to fit most vehicle sizes and uses a 10-meter measuring distance.

## CISPR Automotive Vehicle Test Chambers

### CISPR 25

CISPR 25 ISO 11452-1 covers immunity testing for the components within vehicles, boats and internal combustion engines, radio disturbance characteristics and on-board receivers.

### AUTOMOTIVE VEHICLE

Relating to or concerned with motor vehicles - Specifically involving a combustion engine.

### EMC

Electromagnetic compatibility or EMC testing gives the manufacturer of a product the ability to demonstrate the ability of their product.

### TEST FACILITY

The external construction is a shielded room, using a Faraday cage principle. This is to stop unwanted signals from the external environment entering the chamber and causing interference whilst tests are being performed.



SCAN ME

For more information on Global EMC, visit our website by scanning the QR code



Info@globalemc.co.uk



www.globalemc.co.uk



+44 (0)1623755539

## CHOOSE THE TEST CHAMBER FOR

Specifically designed for automotive test to meet the requirements of component testing EN55025/ CISPR 25.



### Military Testing

Built to MIL-STD- 461 standards for control of electromagnetic interference. (EMI)



### RTCA DO160

RTCA DO-160 test procedures; a standard for the environmental testing of avionics hardware



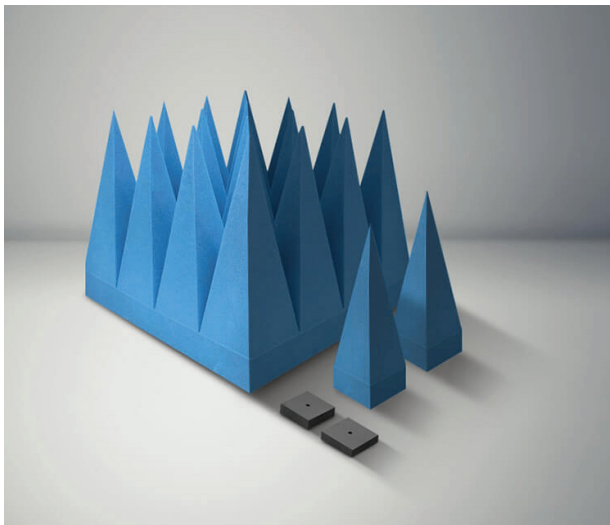
### Fully Compliant

Fully compliant emissions testing to CISPR 16-1-4 and compliant immunity testing to EN6100-4-3.



### Vehicle Testing

Compliant with: CISPR11/EN 55012, CISPR25/EN 55025 and CISPR32/EN 55032



### HIGH-PERFORMANCE ANECHOIC LINING

**Ferrite Tiles & Absorbers** – The walls and ceiling of the test chamber are precisely lined with the latest generation absorbers and Ferrite tiles. The Pyramidal absorbers are precisely doped to ensure a smooth transition between the high performance of the Ferrite tiles at lower frequencies to the Pyramidal absorbers in higher frequencies.

#### Frequency Test Range

Low High  
70MHz 2.5GHz

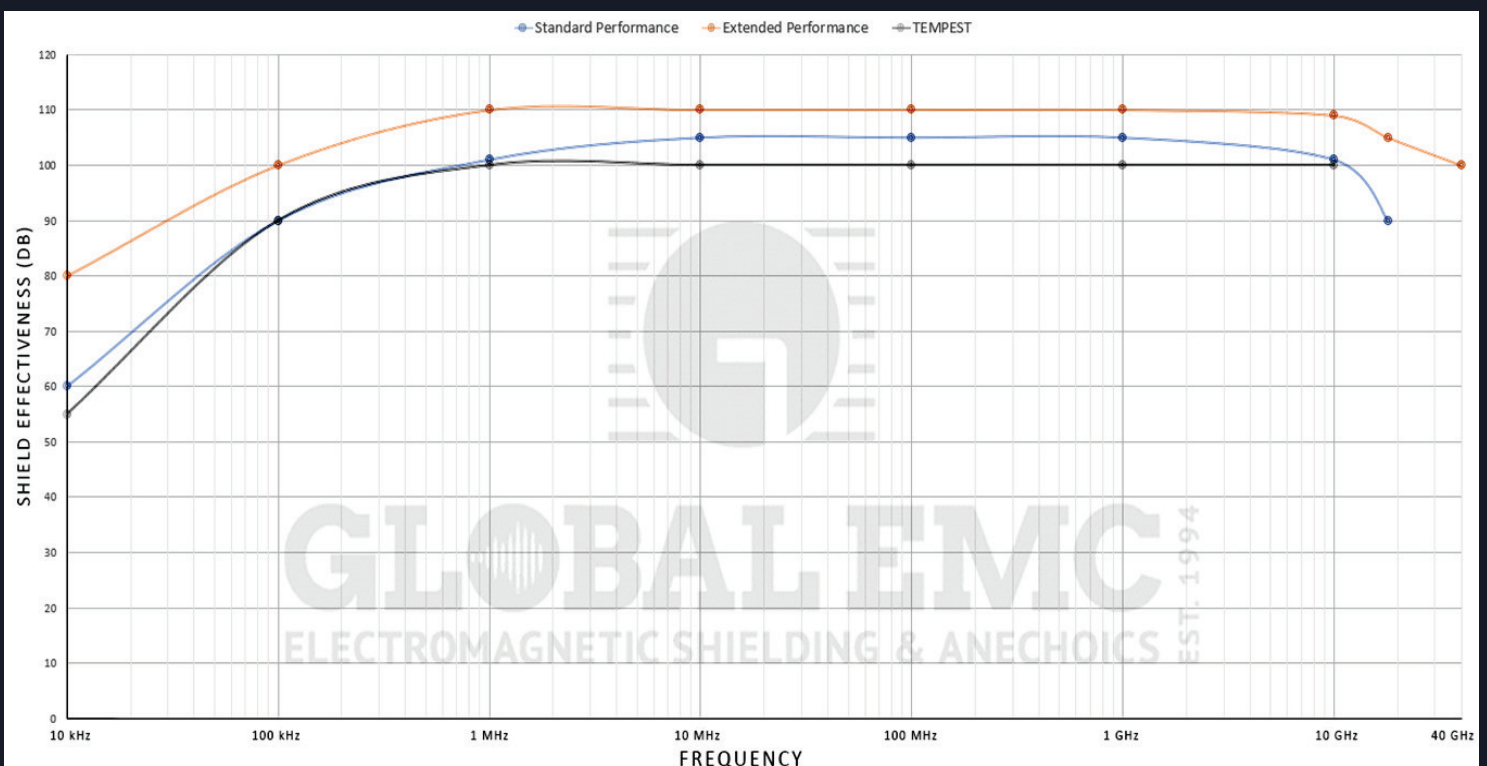
#### Minimum Dimensions (CISPR12/25 25-V)

Length Width Height  
11.50m 7.00m 4.50m

#### Minimum Dimensions (CISPR12/25 25-V)

Length Width Height  
26.50m 15.00m 9.50m

## SHIELDING EFFECTIVENESS TESTED TO EN50147-1





## CISPR AUTOMOTIVE VEHICLE TEST CHAMBER

Anechoic performance for CISPR 25 is greater than -6dB from 70 MHz at normal incidence

3m to 10m measuring distance.

Bespoke solution upon request. Test facility can be configured to your exact requirements.

Industry-leading low maintenance shielded door with copper-beryllium knife edge.

Latest technology high-performance GF102 ferrite tiles to all walls and partial floor covering.

Can be designed for compliant EMC on request.\*

Shield effectiveness to EN50147-1.

Designed and manufactured to the highest standards in Great Britain.

EUT Conductive test table with a reflective metal ground plane.

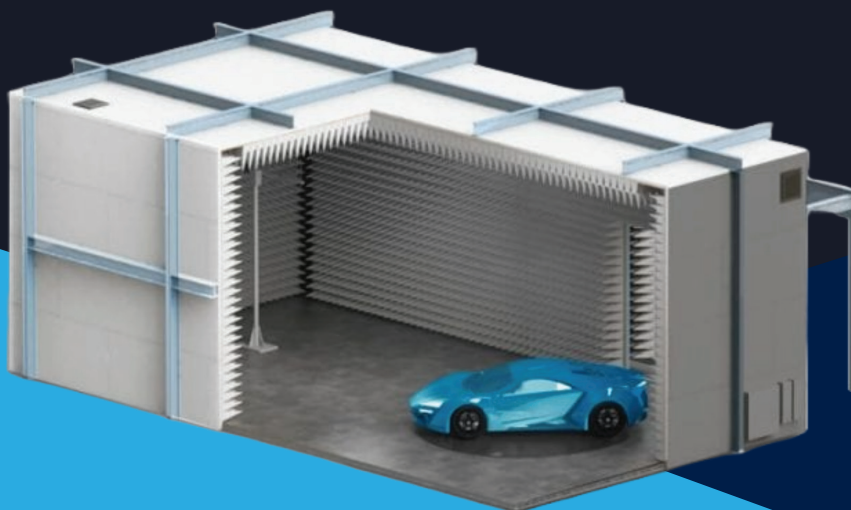
Lighting, power filter, penetration and static ventilation panels all as standard.

Moulded polystyrene pyramidal Hybrid Absorbers to all walls, ceiling and partial floor covering. (Absorber coverage as far as physically possible).

***For full dimensions of the CISPR12/25-V and CISPR12/25-10mv, please visit the Global EMC website.***

### Applications/Standards

- EN55025 / CISPR 25.
- EN55012 / CISPR 12.
- EN55016 / CISPR 16-1-4 (CISPR12/25-10m-V).
- MIL-STD-461, DEF STAN 59-411, ISO 11452-2.
- EN6100-4-3, EN 50147-1.



### Additional Options Include:

Mast, Fire detection, DC power sockets, Air conditioning, CCTV, DC Filters, white end caps to absorbers, Filters & Audio communication.

\*All dimensions and quantities can be altered upon request (subject to compatibility).