

# IG-712E

IG-712E Modular Shielding enclosure.

Over The Air (OTA) test and measurement chamber.  
Full shielding cabinet - high attenuation performance on range of frequency.

IG-712E design for testing any wireless transmission such as: Wi-Fi, Bluetooth, RFID, 3G / 4G / 5G, WLAN, GPS and WiMAX.

It may also be used for cell-site testing, RF resistor testing.  
Any UUT / Antennas / Radar / Sensitivity tests and more.



## Features

- Modular Chamber – Distance / Length by choice.
- Chamber can be vertical or horizontal on lab.
- Fast, reliable EMI/RFI testing and verification, while providing 100% effective shielding of -90dB minimum attenuation tested as per as MIL-STD-285D up to 6GHz
- High performance construction of SAE 1020 and EMC shielding with ROHs compliant welding and RAL 9010 STD coating.
- Manual operation with front loading, easy opening doors.
- Shielding tested under lab conditions with signal generator by spectrum analyzer and conforming antenna.
- Custom-made product adaptable to OTA application.
- Pyramidal RF Absorbers inside.
- Antenna and UUT stand inside (each side)

## Accessories

- 4 x Honey-comb vent windows 265X265 mm
- 4 x IO panels for RF Filters.
- Exhaust fan – Vent system.
- SMA / Ntype / BNC and other adaptors & connectors
- Filtered terminal 220VAC
- AC power supply plug in + cord cable
- Filtered terminal 50VDC max 20 Amp with DC plugs
- Double lip RF sealing
- Grounding Point
- RF filters by request (USB/LAN/Dtype/HDMI/others.

## Optional Accessories

- Anechoic absorber lining for the interior surface
- Custom IO's panels with any filtered connectors you may need.
- Waveguide for optic fibers
- RF shielded observation window
- Additional in-port/out-port systems
- Extra custom-made requirement

## IG-514E

Move in dimensions - 70cm parts0

### Dimensions – Outside

Length - 100cm

Width - 100cm

Height - any height / Long can be done

### Dimensions – Inside (WO absorbers)

Length - 98 cm

Width - 98 cm

Height -140 up to any size

### Materials

Body - SAE 1020

Door – SAE 1020

Frames – SAE 1020

brackets – SAE 1020

FAN – Rubber, sponge and plastic

Gaskets – Rubber, sponge and plastic

### Opening system

Manual operation

Front loading

2 Doors, side open

RF Shielding Doors

### Electric system

220 VAC max 16 Amp

4 outlet power strip 220 VAC

External power cable 220 VAC + plug

DC filter with easy-to-use plug-in.

Interrail lightning

### Air vents

4x EMI shielded honeycomb 265x265

Up to 8x AC fan 80x80 - 40 CFM,  
magnetic - bearing, silence

### IO's plate

SMA / Ntype / BNC / Ftype connetors

Fiber optic and RF filters

### Internal RF absorber

Internal surfaces covering with RF  
absorber foam

### Attenuation level

0.1GHz – 1.0GHz > 90dB

1.0GHz – 3.0GHz > 90dB

3.0GHz – 6.0GHz > 90dB

### Quality

Testing according to MIL-STD 285

A C.O.A will attach to each box.

Final Attenuation level will set as per  
as the weak chosen connector

Warranty – one year from delivering

