

# 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 Honeycomb vent windows 265X265mm
- 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

## Technical Data

IG-712E	
Move in dimensions - 70cm parts0	
Dimensions - External	Dimensions - Internal
Width: 202cm	Width: 142cm
Depth: 110cm	Depth: 60cm
Hight: 110cm	Hight: 60cm
*20/30 cm absorbers	
Material	Opening System
Body: SAE 1020	Manual operation
Door: SAE 1020	Front loading
Frames: SAE 1020	2 doors, side open
Brackets: SAE 1020	RF shielding doors
Fan: Rubber, Sponge and Plastic	
Gaskets: Rubber, Sponge and Plastic	
Electric system	Air vents
220 VAC max 16 Amp	4XEMI shielded windows (honeycomb) 265X265
4 outlet power strip 220 VAC	Up tp 8X AC fan 80x80 - 40 CFM, magnetic - bearing, silence
External power cable 220 VAC + plug	
DC filter with easy-to-use plug in.	
Interrail lighting	
IO's plate	Internal RF absorber
SMA / Ntype / BNC / Ftype connetors	Internal surfaces covering with RF absorber foam
Fiber optic and RF filters	
Attenuation level	Quality
0.1GHz - 1.0GHz > 90dB	Testing according to MIL-STD 285
1.0GHz - 3.0GHz > 90dB	A C.O.A will be attached to each box.
3.0GHz - 6.0GHz > 90dB	Final Attenuation level will set as per as the weak chosen connector
	Warranty - one year from delivering

