

IG-712E

The **IG-712E** is a modular shielding enclosure designed for Over The Air (OTA) test and measurement.

It features a fully shielded cabinet with high attenuation performance across a wide range of frequencies.

This chamber is engineered to evaluate various wireless transmissions, including Wi-Fi, Bluetooth, RFID, 3G/4G/5G, WLAN, GPS, and WiMAX technologies. Additionally, The **IG-712E** is suitable for conducting cell-site testing, RF resistor testing, and other tests such as UUT, antennas, radar, sensitivity, and more.



FEATURES

- Fast, reliable EMI/RFI testing and verification, while providing 100% effective shielding of 100dBm minimum attenuation tested as per as IEEE Std 299-2006 up to 40GHz.
- Design especially for multiple usages.
- High performance construction steel and copper EMC shielding with RoHS compliant welding and RAL 9010 STD coating.
- User-Friendly, compact design, and lightweight.
- Shielding tested under lab conditions with signal generator by spectrum analyzer and conforming antenna.
- Manufacturer's C.O.T. and test results included.
- For small-medium UUT's
- Custom-made product adaptable to any application.

Accessories

- Shielded vent windows
- 4 SMA connectors
- Filtered 220VAC max 16 Amp
- AC power supply plug in + cord cable
- Filtered terminal 50VDC max 20 Amp
- RF absorbent
- Double lip RF sealing
- Grounding Point + Internal illumination

Optional Accessories

- Anechoic absorber lining for interior surface
- Custom IO's panel 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

Dimensions – External	Dimensions – Internal	Material
Width: 202cm	Width: 142cm	Body+ Door: Aluminum / steel
Depth: 110cm	Depth: 60cm	Frames+ Brackets: SAE 1020
Hight: 110cm	Hight: 60cm	Fan+ Gaskets: Rubber, Sponge and Plastic
	*20/30 cm absorbers	
Electric system	Opening System	Attenuation level
220 VAC max 16 Amp	Manual operation	0.1GHz – 6.0GHz > 100dB
4 outlet power strip 220 VAC	Front loading	6.0GHz – 18.0GHz > 95dB
External power cable 220 VAC + plug	2 doors, side open	18.0GHz – 40.0GHz > 90dB
50VDC filter 20amp with easy-to-use plug in.	Torque special locking system	
Interrail lighting	RF shielding doors	
IO's plate	Air vents	Internal RF absorber
Filtered SMA x4	2XEMI shielded honeycomb	24 db , internal surfaces covering with RF absorber foam
	4X AC, magnetic - bearing, silence	
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		