

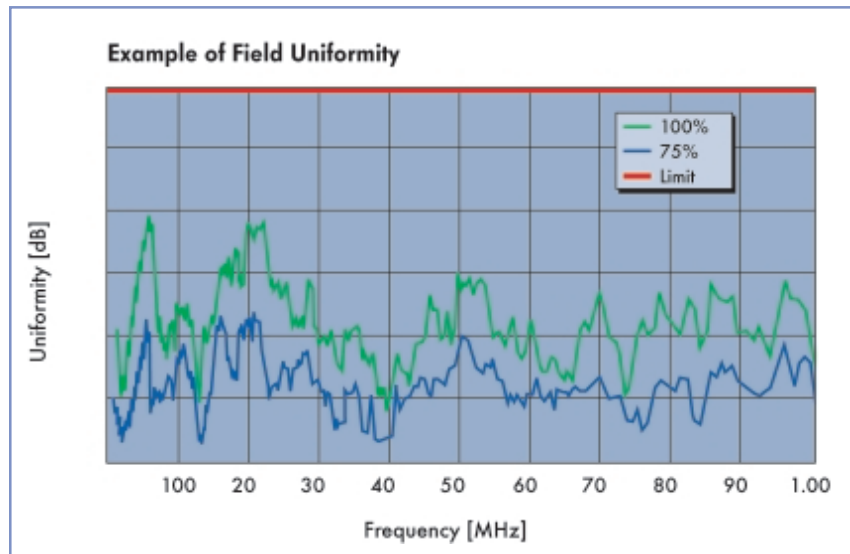
**IP-045C** absorber and  
**FP-2** ferrite tile floor plate

## Ferrite Tile Floor Plate FP-2 & IP-045C Absorber (26 MHz – 18 GHz EMS)

TDK, the world's largest supplier of ferrite material, ferrite products and EMC components, is the undisputed leader in ferrite tile and cascade radio wave absorber technology. The ferrite tile floor plate FP-2 is constructed from a metal base, tuned dielectric material and TDK ferrite tiles X-131 (TDK patented double layer technique). Finished with plastic edges and rubber feet, FP-2 ferrite plate can be easily removed and handled. Positioned onto the ferrite plate, the IP-045C fully matched wedge shaped resistive absorber extends the frequency range to 40 GHz.

When placed on a reflective ground plane between the transmit antenna and EUT (equipment under test), the combination FP-2 ferrite plate & IP-045C absorber converts a 3 meter/10 meter test range semi-anechoic chamber into a facility capable of performing all susceptibility and radiated immunity measurements in full compliance with IEC 1000-4-3 in the frequency range from 26 MHz to 18 GHz.

A specially designed, stainless steel trolley (TP-21) is available for transportation and storage of the ferrite tile floor plates. IP-045C absorbers are self-storing.





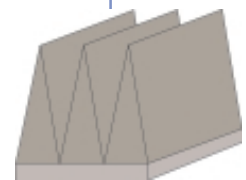
10 meter test range semi-anechoic chamber utilizing TDK **FP-2** ferrite plates and **IP-045C** absorbers for immunity measurement.

### FP-2 Characteristics

Dimensions	600 mm x 600 mm x 17 mm (23.6" L x 23.6" W x 0.7" H)
Weight	20 kg (44 lbs.)
Material	X-131 ferrite tile

### IP-045C Characteristics

Dimensions	600 mm x 600 mm x 450 mm (23.6" L x 23.6" W x 17.7" H)
Basic Composition	Closed cell styrofoam. Does not soil hands or clothes on contact.
Mechanical Strength	4 kg/cm <sup>2</sup> tensile strength. No damage to tips or tapers.
Humidity Resistance	No deterioration with water. No hydrolysis effect.
Chemical Stability	Not readily attacked by acids, alkalines and petroleum-based liquids.
Product Life	15 years



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