

EMC Components

Anechoic Chambers

3m Test Sites

FEATURES

- Radio wave absorber
Uses the newly developed unit type composite radio wave absorber IP-090BL*
- The radio wave absorption characteristics of the ferrite radio wave absorber are almost permanent.
- The basic polystyrene radio wave absorbers will also not deteriorate for over 15 years due to the strong water and humidity resistance, and fire resistance levels that satisfy UL safety standards.
- Measurement capabilities
Conforms to CISPR International Recommended Standard, and FCC filing registered standards.
- Site attenuation
Standard site attenuation $\pm 4\text{dB}$ max. [30 to 1000MHz]
- Measurement frequency
30 to 1000MHz (It is possible to measure up to 40GHz with the floor absorbers installed.)
- Immunity measurement
It is possible to measure immunity with just the floor absorbers installed.
- Construction details
Light steel frame is put together and panels and shields constructed, then radio frequency absorbers attached.
- Standard building dimensions
L9×W7.5×H5.5m
- Cost
21% less than conventional types
- Standard construction period
3 months from beginning construction.

*UNIT TYPE COMPOSITE RADIO WAVE ABSORBER IP-090BL

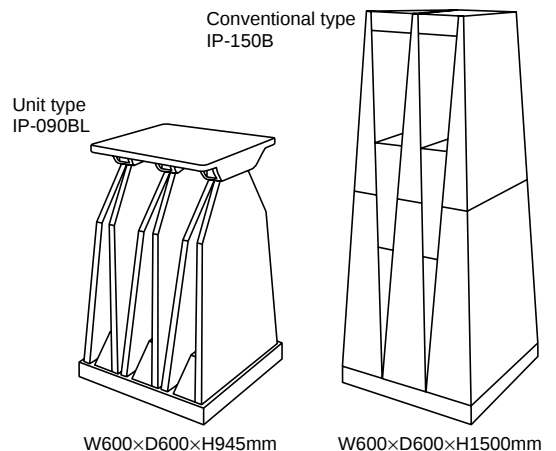
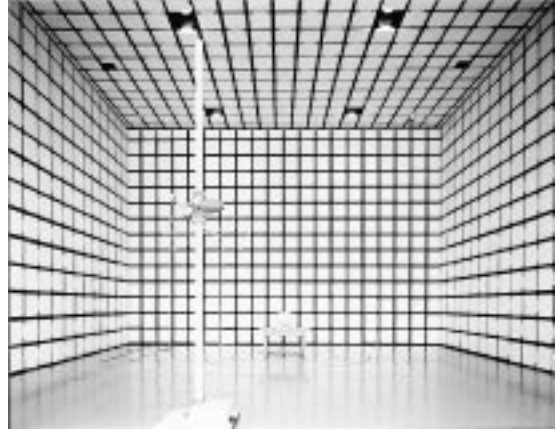
FEATURES

- Excellent electromagnetic absorption characteristics have been improved over a wide band. These products are smaller, lighter and cost less.
- Achieved a smaller construction area for all types of radio wave anechoic chambers including 3-meter and 10-meter test site chambers and large anechoic chambers for special purposes.
- Using TDK's unique prefabrication method at the construction site, we have been able to reduce the standard construction period and construction costs.

APPLICATIONS

For noise reduction and measurement of data for approval.

- We are able to provide support for FCC registration and applications for approval, based on substantial experience with filing and registering.



W600×D600×H945mm

W600×D600×H1500mm

These are dimensions of the polystyrene absorbers alone, not including the width of the ferrite absorbers.

Space Merit

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SHIELD CHARACTERISTICS

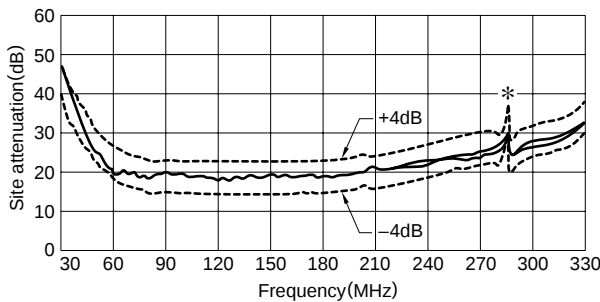
Item	Frequency range	Shielding ratio
Electromagnetic field shielding ratio	150kHz to < 30MHz	≧ 90dB
	30MHz to1000MHz	≧ 100dB
Power line shielding ratio	10kHz to < 50kHz	≧ 60dB
	50kHz to < 150MHz	≧ 80dB
	150kHz to1000MHz	≧ 100dB

Construction	Lightweight steel frame, composite shield panel, indoor suspended ceiling
Radio wave absorber	Composite radio wave absorber
Construction/installation site	Inside of the building*
Dimensions between shields	9×7.5× H5.5m

* If there is no room for construction and installation inside the existing building, construction at a special site is available upon request.

SITE ATTENUATION CHARACTERISTICS

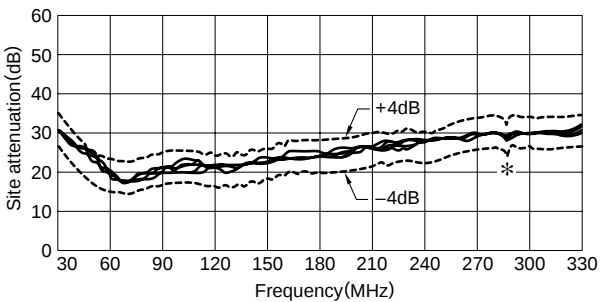
HORIZONTAL



The broken lines represent the ±4dB limits with regard to the measurements taken at the open field test site of the TDK Chikumagawa Technical Center (FCC field).

The peaks(*) in the curves are due to antenna characteristics, not anechoic chamber characteristics.

VERTICAL



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