



10m Fully Compliant Anechoic Chamber

The TDK 10 meter test range semi-anechoic chamber is designed to perform radiated emissions measurements at 10 meter distance in full compliance with ANSI C63.4, EN 50147-2, and CISPR 22 standards.

TDK hybrid technology absorber lining achieves exceptional electrical performance with dimensions of only 18.0 m long x 12.0 m wide x 8.4 m high (59' x 39'-4" x 27'-6").

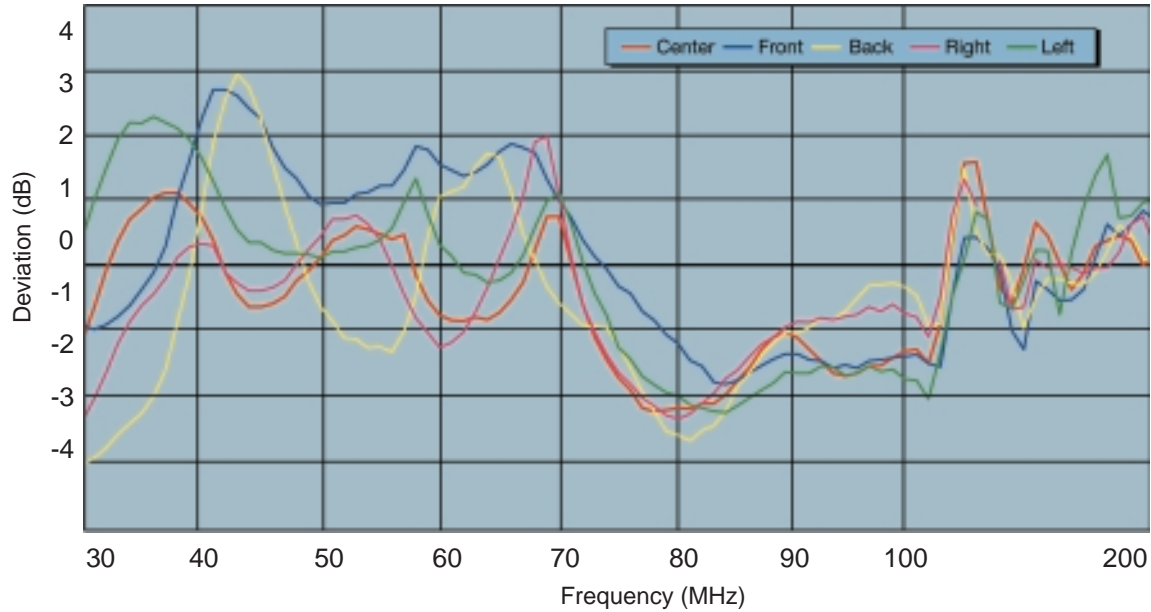
The chamber is lined with TDK IB-011 ferrite tiles and IP-090BL hollow-taper, wedge-shaped, fully-matched absorbers to cover the frequency range from 30 MHz to 40 GHz. White end caps complete the absorbers and greatly improve the illumination levels inside the chamber.

NSA deviation is guaranteed to be within ± 3.5 dB for a test volume of 4 m \varnothing , 2.5 m high.

By positioning TDK ferrite tile floor plates and IP-045C absorbers between the transmit antenna and EUT (Equipment Under Test), the semi-anechoic chamber can be used to perform radiated immunity measurements in full compliance with IEC 1000-4-3 standard in the frequency range from 26 MHz to 18 GHz. The field uniformity is guaranteed over 75% of the surface (12 of the 16 points) of a vertical plane of 1.5 m x 1.5 m high, 0.8 m from the ground.

- Radiated emissions: Full compliance with ANSI C63.4, EN 50147-2, CISPR 22
- Radiated immunity: Full compliance with IEC 1000-4-3
- Fully lined ferrite tile and IP-090BL absorber (TDK hybrid technology)
- Dimensions: 18.0 m long x 12.0 m wide x 8.4 m high (59' L x 39'-4" W x 27'-6" H)
- Turnkey solution

Example of actual NSA results in a TDK 10 meter test range semi-anechoic chamber (measured by ARC Seibersdorf).



Chamber Specifications

Dimensions	18.0 m long x 12.0 m wide x 8.4 m high (59' L x 39'-4" W x 27'-6" H)
Absorbers	IB-011 fully lined ferrite IP-090BL fully lined absorber
NSA test volume ±3.5 dB (@3 m)	4.0 m Ø, 2.5 m high
Field uniformity area (-0, +6 dB)	1.5 m x 1.5 m high 0.8 m from floor
Radiated emissions	Compliance with ANSI C63.4, EN 50147-2, CISPR 22
Radiated immunity	Compliance with IEC 1000-4-3
EMI frequency range	30 MHz - 40 GHz
EMS frequency range	26 MHz - 18 GHz



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