

3m CISPR Fully Compliant Anechoic Chamber

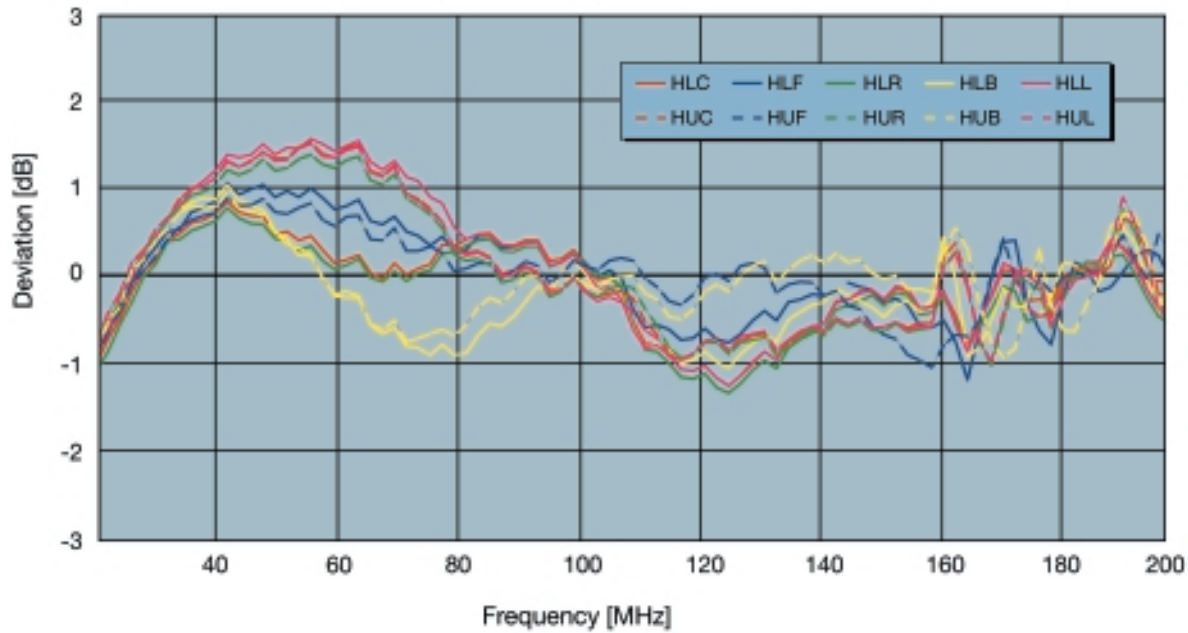
The TDK 3 meter test range CISPR semi-anechoic chamber is designed to perform radiated emissions measurements at 3 meter distance in full compliance with ANSI C63.4, EN 50147-2 & CISPR 22 standards.

By installing TDK IB-011 ferrite tiles onto dielectric panels (double layer, TDK patent) to cover the frequency range from 30 MHz to 1,000 MHz, the chamber dimensions can be reduced to 9.0 m long x 6.0 m wide x 5.4 m high (29'-6" L x 19'-8" W x 17'-8" H). TDK guarantees NSA deviation of within ± 3.5 dB for a test volume of 2 m \varnothing , 2 m high.

TDK IP-045C wedge-shaped, fully matched resistive absorbers installed in selected areas of ceiling and walls extend the frequency range up to 18 GHz. White end caps complete the absorbers and greatly improve the illumination levels inside the chamber.

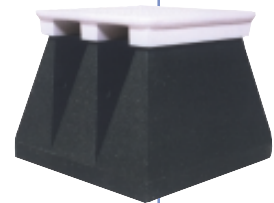
- Radiated emissions: Full compliance with ANSI C63.4, EN 50147-2, CISPR 22
- Radiated immunity: Full compliance with IEC 1000-4-3
- Fully lined double layer ferrite tile (TDK patent)
- IP-045C partially lined absorber (TDK hybrid technology)
- Space saving: 9.0 m long x 6.0 m wide x 5.4 m high (29'-6" L x 19'-8" W x 17'-8" H)
- Turnkey solution

Example of actual NSA results in a TDK 3 meter test range CISPR semi anechoic chamber (measured by ARC Seibersdorf).



Chamber Specifications

Dimensions	9.0 m long x 6.0 m wide x 5.4 m high (29'-6" L x 19'-8" W x 17'-8" H)
Absorbers	IB-011 fully lined double layer ferrite tile IP-045C partially lined absorber
NSA test volume ±3.5dB (@3m)	2.0 m Ø, 2.0 m high
Field uniformity area (-0, +6dB)	1.5 x 1.5 m 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 - 18 GHz
EMS frequency range	26 MHz - 18 GHz



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