

Dinesh Micro Waves & Electronics

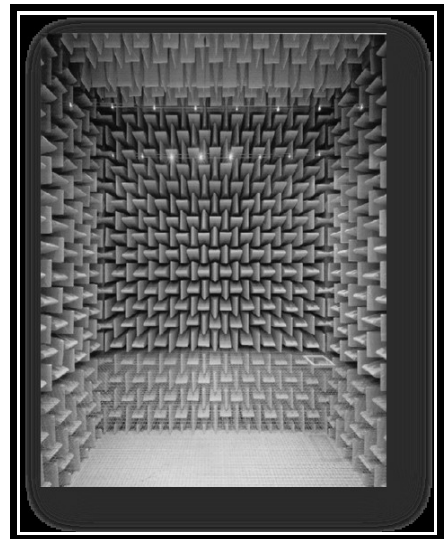
ANECHOIC CHAMBERS(20MHz to 2GHz)

Product Overview

The Dinesh Micro Waves and Electronics anechoic chamber with a size of 7.0 m long x 3.0 m wide x 3.0 m high (23' x 9'-10" x 9'-10"), is the most compact anechoic test facility to perform radiated EMC measurements between 20 MHz and 2 GHz. A major advantage of this chamber is that it can be constructed within most industrial buildings and office areas.



The space saving characteristics are obtained by the use of a particular absorber installation technique which was invented and patented by the double layer technique. Anechoic Chamber ferrite tiles are mounted onto dielectric panels to cover the complete frequency range from 20 MHz to 2,000 Mhz. Chambers enables the user to carry out radiated immunity measurements in full compliance with IEC 1000-4-3 standards over the frequency range from 20 MHz to 2 Ghz.



Chamber is compliant with the new EN 50147-2 standard. 3 meter radiated emissions measurements can be performed at a fixed receive antenna height in the 30 MHz to 1 GHz frequency range. This makes the Chamber an ideal facility to test small apparatus.

Features

- Radiated emissions: Pre-compliance with EN 50147-2, ANSI C63.4, CISPR 22
- Radiated immunity: Full compliance with IEC 1000-4-3
- Fully lined double layer ferrite tile
- Space saving: 7.0 m long x 3.0 m wide x 3.0 m high (23' L x 9'-10" W x 9'-10" H)
- Turnkey solution

Chamber Specifications

- **Dimensions:** 7.0 m long x 3.0 m wide x 3.0 m high (23' L x 9'-10" W x 9'-10" H)
- **Absorbers:** X-131 Fully lined double layer ferrite
- **NSA test volume (@ 3 m):** 1.0 m Ø, 1.0 m high
- **Field uniformity area (-0, +6 dB):** 1.5 m x 1.5 m, 0.8 m from floor
- **Radiated emissions:** Compliance with EN 50147-2
- **Radiated immunity:** Compliance with IEC 1000-4-3
- **EMI frequency range:** 20 MHz - 2 GHz
- **EMS frequency range:** 20 MHz - 2 GHz

Dinesh Micro Waves & Electronics

No. 347, (C4 & C5) SLI Complex, 7th Street, Gandhipuram
Coimbatore - 641 012, Tamil Nadu, India
Phone: +(91)-(422)-4371112 / 2694313
Fax: +(91)-(422)-2694313
Mobile: +(91)-9952444222

Email: dinesh.microwaves@hotmail.com , dinesh.microwaves@airtelmail.in ,
sathish.varadarajan@airtelmail.in

ANECHOIC CHAMBERS (20MHZ TO 18GHZ)

Product Overview

The ANECHOIC CHAMBER with a size of 7.5 m long, 3.0 m wide and 4.0 m high (24'-7" x 13'-1" x 9'-10"), is the most compact anechoic test facility to perform radiated EMC measurements between 26 MHz and 18 GHz. A major advantage of this chamber is that it can be constructed within most industrial buildings and office areas.

The space saving characteristics are obtained by the use of a particular absorber installation technique which was invented and patented by the double layer technique. ferrite tiles are mounted onto dielectric panels to cover the complete frequency range from 20 MHz to ,000 Mhz.

By installing WIDE BAND ANSORBER wedge-shaped, resistive absorbers in selected areas of ceiling and walls, the frequency range can be extended up to 18 GHz. White end caps complete the absorbers and greatly improve the illumination levels inside the chamber.

Chambers enables the user to carry out radiated immunity measurements in full compliance with IEC

1000-4-2 standard over the frequency range from 20 MHz to 18 Ghz and compliant with the new EN 50147-3 standard. 3 meter radiated emissions measurements can be performed at a fixed receive antenna height in the 20 MHz to 18 GHz frequency range.

Features

- Radiated emissions: Pre-compliance with EN 50147-2, ANSI C63.4, CISPR 22
- Radiated immunity: Full compliance with IEC 1000-4-3
- Fully lined double layer ferrite tiles
- Space saving: 7.5 m long x 3.0 m wide x 3.0 m high (24'7" L x 9'-10" W x 9'-10" H)
- Turnkey solution



Chamber Specifications

- **Dimensions:** 7.5 m long x 3.0 m wide x 3.0 m high (24'-7" L x 9'-10" W x 9'-10" H)
- **Absorbers:** X-131 Fully lined double layer ferrite
- **NSA test volume (@ 3 m):** 1.0 m Ø, 1.0 m high
- **Field uniformity area (-0, +6 dB):** 1.5 m x 1.5 m, 0.8 m from floor
- **Radiated emissions:** Compliance with EN 50147-2
- **Radiated immunity:** Compliance with IEC 1000-4-3
- **EMI frequency range:** 20 MHz - 18 GHz
- **EMS frequency range:** 20 MHz - 18 GHz

Dinesh Micro Waves & Electronics

No. 347, (C4 & C5) SLI Complex, 7th Street, Gandhipuram
Coimbatore - 641 012, Tamil Nadu, India

Phone: +(91)-(422)-4371112 / 2694313

Fax: +(91)-(422)-2694313

Mobile: +(91)-9952444222

Email: dinesh.microwaves@hotmail.com , dinesh.microwaves@airtelmail.in ,
sathish.varadarajan@airtelmail.in

ANECHOIC CHAMBERS (20MHZ TO 40GHZ)

Product Overview

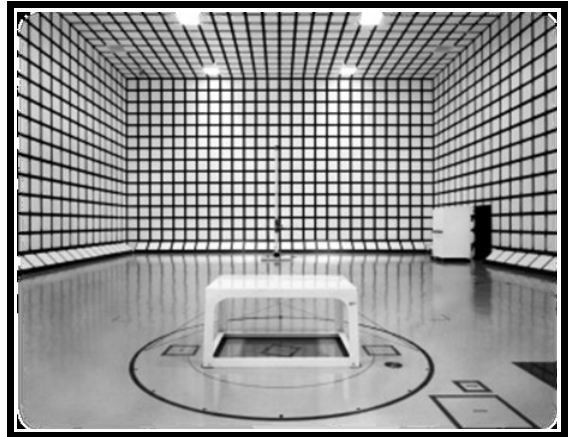
The Dinesh Micro Waves and Electronics 10 meter test range semi-anechoic chamber is designed to perform radiated emissions measurements at 10 meter distance in full compliance with ANSI C63.4, EN 50147-2, and CISPR 22 standards.

The 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 ferrite tiles and hollow-taper, wedge-shaped, fully-matched absorbers to cover the frequency range from 20 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 \times 2.5 m high. By positioning of ferrite tile floor plates and 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.

Features

- 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 absorber
- 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



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-015 fully lined ferrite IP-090BL fully lined absorber

NSA test volume ± 3.5 dB (@3 m): 4.0 m \times , 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: 20 MHz - 40 GHz

EMS frequency range: 20 MHz - 40 GHz

Dinesh Micro Waves & Electronics

No. 347, (C4 & C5) SLI Complex, 7th Street, Gandhipuram

Coimbatore - 641 012, Tamil Nadu, India

Phone: +(91)-(422)-4371112 / 2694313

Fax: +(91)-(422)-2694313

Mobile: +(91)-9952444222

Email: dinesh.microwaves@hotmail.com , dinesh.microwaves@airtelmail.in ,

sathish.varadarajan@airtelmail.in

