

## CT840b Large 2D-Turntable stackable Chamber

The CT840b RF Chamber is used to isolate WiFi and other RF equipment from the outside environment. This allows more repeatable testing options. In addition, when combined with RF attenuators and WiFi traffic generators, chambers can be used to create emulated mesh and mobility scenarios, including the TR-398 automated test suite. The CT840b offers 90+ dB of isolation for excellent performance even in noisy environments, 2D turn-table for antenna orientation testing, and other features expected in high quality chambers.



Larger Images: [front](#) [side](#) [inside](#) [door seal](#) [two-stack](#)

NOTE: This product may have a different hardware configuration than the system pictured above.  
Refer to your official quote for details.

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## Hardware Specification

1. Large stackable 2D turn-table RF Shield Chamber
2. Aluminum construction for long life.
3. Isolation: 90+ dB with RF filters in use.
4. Frequency(GHz): 0.8 to 8GHz
5. Standard Interfaces: 32x SMAs, 1x USB 3.0, 4x USB 2.0, 3x 10G Ethernet, RF Coax, Fiber, fan, DC power, AC power. Other options available.
6. RF Absorber material: -10dB to -20dB
7. Includes built-in 2D turn-table with software automation support.
8. Inside Dimension(mm): 965(W) 610(D) 584(H) Inches: 38(W) 24(D) 23(H)
9. Outside Dimension(mm): 1156(W) 832(D) 800(H) Inches: 45.5(W) 32.75(D) 31.5(H). May require door to

the room (not chamber) and some RF filters from the chamber to be removed to fit through 36 inch door. Other sizes are available.

10. Weight: 80kg

11. Working Temperature: Normal room temperature

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## Additional Feature Upgrades

Unless otherwise noted in the product description, these features usually cost extra:

- Compare with [other Chamber offerings](#)
- LANforge WiFi test systems and automation software.
- Programmable Attenuators
- RF Splitter Combiners and cables
- Different Interface options are available

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[Vendor Specification sheet.](#)

1.

### Configuring the CT840b

- A. The CT840b is managed using a serial connection between outside of the chamber and a LANforge control system.
  - A. The chamber controller and lights are powered via AC cords at the outside bottom rear of the CT840b chamber.
  - B. Accessories or DUTs can be cabled to the USB filter ports.
  - C. The USB camera can connect to USB filter port or to LANforge device inside the chamber.
    1. Pass-through DC barrel connectors. Use these for 12v (or other) power needed by devices in the chamber.
    2. SMA connectors. Seal these with terminators when not in use.
    3. Ethernet ports
    4. USB 3-A and USB C port
    5. Type F Coax port. Seal this with terminators when not in use.
    6. Fiber-optic pass-through. Seal this with screw-caps when not in use.

2.

### Configuring the Chamber in LANforge

- A. TBD