CRY7422 RF Shielding Test Chamber

Feature

- **RF Shielding Effectiveness: 0.8–6 GHz, >60–80 dB**
- **Equipped with comprehensive communication interfaces and supports interface customization.**
- **The test data demonstrates good consistency and reliability.**
- **The convenient open-and-close design allows for faster DUT replacement.**
- **Three size options are available.**
- **Equipped with pull handles for easy handling and relocation.**

Introduction

The CRY7422 RF Shielding Test Chamber is specially designed for testing wireless electronic products and is suitable for power, sensitivity, and electrical performance testing of wireless communication devices.
The chamber features a high-performance metal shielding structure, providing 60–80 dB RF shielding effectiveness over the 0.8–6 GHz frequency range, effectively isolating external RF interference. Three size options—400 mm, 500 mm, and 700 mm—are available. The chamber is equipped with internal RF absorbing material and supports customization of various signal interfaces to meet different testing requirements, offering excellent versatility and stability.

Highlights

- **RF Isolation**

  High-strength metal shielding construction provides 60–80 dB RF shielding effectiveness over the 0.8–6 GHz frequency range, effectively reducing external wireless signal interference and ensuring accurate and reliable test results, making it an ideal solution for a wide range of RF testing applications.

- **Comprehensive and Optional Communication Interfaces**

  The shielding chamber is equipped with a comprehensive range of communication interfaces, with optional configurations available to meet various testing requirements. The chamber supports up to four independent interface panels, which can be flexibly selected and combined according to customer requirements.

- **Multiple Size Options Available**

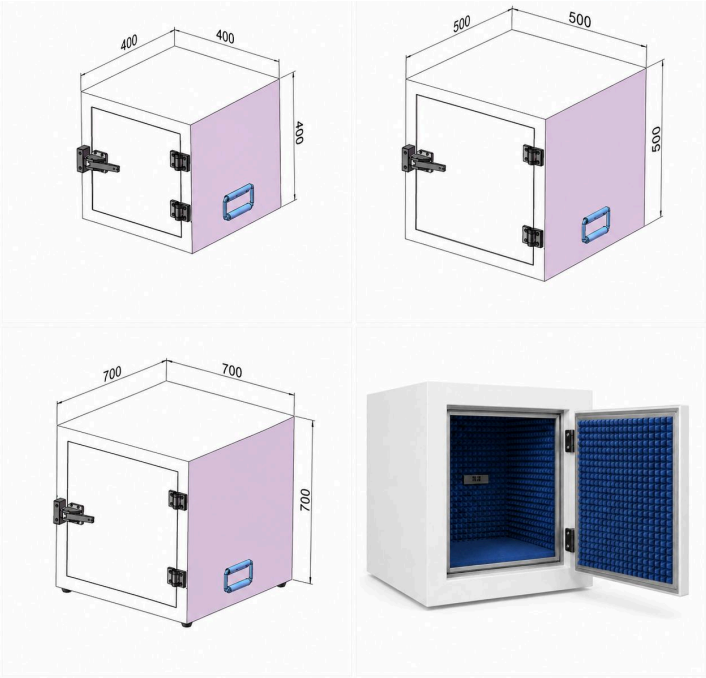
  Available in three standard sizes—400 mm, 500 mm, and 700 mm—to meet the testing requirements of wireless devices of different sizes.

- **Wide Range of Applications**

  Suitable for power testing, sensitivity testing, and electrical performance testing of wireless electronic products such as wireless servers, laptops, and mobile phones, meeting the requirements of both R&D and production testing.

Technical Specifications

Specification	
Outer color	Beige
Material	Sheet Metal
RF Absorbing Foam	Blue RF Absorbing Foam
A Outer Dimension	700 (L) *700 (W) *700(H)mm
A Internal Dimension	630 (L) *630 (W) *630 (H)mm
B Outer Dimension	500 (L) *500 (W) *500 (H)mm
B Internal Dimension	430 (L) *430 (W) *430 (H)mm
C Outer Dimension	400 (L) *400 (W) *400 (H)mm
C Internal Dimension	330 (L) *330 (W) *330 (H)mm



Isolation	
RF Isolation	0.8~6 GHz > 60 dB

Working Environment	
Operating temperature	-10℃ ~ 60℃
Operating Humidity	<85%
Storage and Transportation	temperature -20℃ ~ 70℃ humidity below 85%

Filter Interface

Type	Specification	Shielding Performance
USB/DB9	DB9*1 USB*6 0.5 A	
SMA/Waveguide	SMA*2 Waveguide*1	standing wave ratio < 1.5 insertion loss < 0.5 dB Ø=23mm
BNC	BNC*6	700 MHz~3 GHz > 50dB 100 pF capacitor