

## 手机及无线设备测试箱

### Phone and Wireless Test Box

#### 特征 (Features):

- 数据端口既可直连电缆，也可不用直联电缆连接。  
With or without direct cable connection to the data ports.
- 屏蔽性能>80 dB。  
>80 dB typical RF isolation
- 屏蔽范围为 700MHZ---2GHz。  
Flat coupling response over 700MHz---2GHz.
- 可与手机及无线设备联接。  
Work with mobile/cellular radio test sets
- 详细电话装置图解。  
Maked with an illustration of a typical phone position
- 可按顾客要求特别定制。  
Custom configuration available.



#### 产品简介

由我公司自主研发生产的手机及无线设备测试箱，轻巧便携。无论是与电缆直连，还是不与电缆直连，都能实现对 RF 或数据端口信号发射以及接收的检测。其连接系数平坦曲线为：频率范围在 700MHZ---2GHz 之间。

Phone and Wireless Test Box is a self-contained portable enclosure that can check transmit and receive functionality with or without direct cable connection to the RF or data ports. The coupling coefficient has a flat response over the frequency range of 700 MHz - 2 GHz.。

操作者采用CAI可模拟真实环境迅速完成测试任务。直连的方法在检测的同时，可能会漏检几个绕过天线的dB；而采用CAI提供的几个较短信号通道，能很容易的检测出有漏洞的天线。（若顾客需要可提供直联测试连接器）

With this Common Air Interface (CAI), the operator performs the test faster and simulates a realworld environment. In contrast, the direct connection method bypasses the antenna and ads up to several dB of loss to the measurement. The CAI method provides a shorter signal path and readily detects a faulty antenna. (A connector is provided for testing with a direct connection if desired).

测试箱四壁都与改善重复性测试的 RF 吸波材料相连，用以排除可能存在的无效检测点和热点。箱盖可采用可压缩的 RF 垫圈密封。屏蔽效能大于 80 dB  
To eliminate nulls and hot spots, each enclosure is lined with CNEMC RF absorber, which improves test repeatability. Compressible RF gaskets are used to seal the lid on closure. Nominal shielding effectiveness >80 dB, although higher values are possible. Consistent orientation of the phone in the enclosure is important for test repeatability.

屏蔽箱中电话方向的一致性对重复性测试十分重要。为帮助操作者正确放置电话，其详细电话放置图解随产品一并发出。

To help the operator position the phone correctly, a sliding clamp and alignment post are build into

the bottom of the enclosure. The base is also marked with an illustration of a typical phone

### 电气性能规格 Typical Coupling Loss Repeatability)

RF 绝缘性 (Typical RF Isolation): (1MHz—2MHz) >80 dB

RF 内部吸收数据(Typical Internal RF Absorption): (800MHz---1.0GHz)  $Q < 2$   
(1.8GHz----2.0GHz)  $Q < 2$

耦合因素(Coupling Factor): (824 MHz - 894 MHz) < 8 dB  
(1.8 GHz - 2.0 GHz) < 11 dB

连接重复性损耗(Typical Coupling Loss Repeatability) : +/- 1 dB

### 物理规格

外部尺寸 (External Dimensions): L x W x H=

内部尺寸 (Internal Dimensions):

电话主机最大尺寸 (Max Phone Body Size)

电话电线最长 (Max Phone Antenna Size)

重量 (Weight) ;

