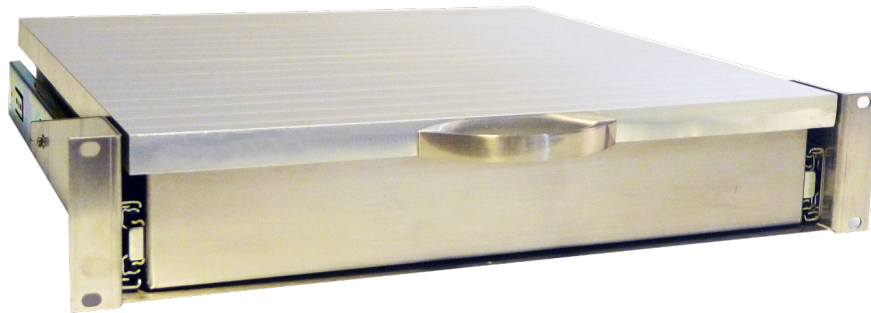




RI 181 SHIELD BOX



HIGH DENSITY SHIELDING SOLUTION

19" Rack mountable with good shielding performance covering all cellular mobile frequencies

DESIGNED FOR PRODUCTION AND R&D

The RI 181 is a high performance shield box for all types of test applications where the device needs to be RF-isolated from the surrounding environment. It is especially suited for rack mounted test systems where the device under test is frequently replaced. RI 181 fits into a 19" rack, occupying only 2HU. With a one hand operation, the user can pull it out from the 19" rack and open the lid.

The possibility to add internal divider shield walls makes it possible to host multiple devices in one box further reducing the footprint of the test setup.

SUPPORTING DIVERSE USE CASES

RI 181 is designed for high shielding over all cellular mobile frequency bands making it suitable for applications such as:

- Cellular mobile phone test
- Cellular network test
- Base station transceiver test
- Wireless semiconductor test
- IoT device test (WLAN/Bluetooth/LoRa/Z-wave etc)

FUTURE PROOF INTERFACE SOLUTION

All electrical interfaces are located on a replaceable interface plate at the rear of the RI 181, making it easy to adapt to your needs and support future upgrades. The interface plate can be equipped with the following interfaces:

Up to 8 device communication feed-through filters;

- 1GbE LAN (Ethernet)
- USB 2.0
- USB 3.1

Up to 16 power and RF feedthroughs;

- EMI Filtered DC Voltage,
- SMA-SMA Bulkhead RF-connector

EASY-TO-USE AND FLEXIBLE

- Frequency range 0.7-6 GHz
- 60 dB shielding attenuation at 3 GHz
- User changeable interfaces at the rear
- 19", 2HU, rack mountable with eject function
- One hand open-and-close using front handle
- The lid stays open in any position



TECHNICAL SPECIFICATIONS

| | |
|---------------------------------|--------------------------|
| Model | RI 181 Shield Box |
| Frequency Range | 0.7-6 GHz |
| Attenuation at 3 GHz | 60 dB |
| Material | Stainless/Al |
| Inner Dimensions | +5 to +45° C (41-113° F) |
| Outer Dimensions | 490 x 490 x 88 mm |
| Weight (Standard Configuration) | 8.5 kg |

CONTACT US

- 🌐 <https://bluetest.se>
- @ sales@bluetest.se
- ☎ +46 31 7786161
- 📍 **Bluetest AB**
Lindholmsallén 10
417 55 Gothenburg
Sweden

