roottek
RF Shielded enclosure

Products Datasheet

RT- 2121 RT- 2123 RT- 2124 RT- 2125
RT- 1330 RT- 1331 RT- 2330 RT- 2340
RT- 3130 RT- 3140

Pneumatic shielding box

5G shielding box (RT-5330/5331) & component

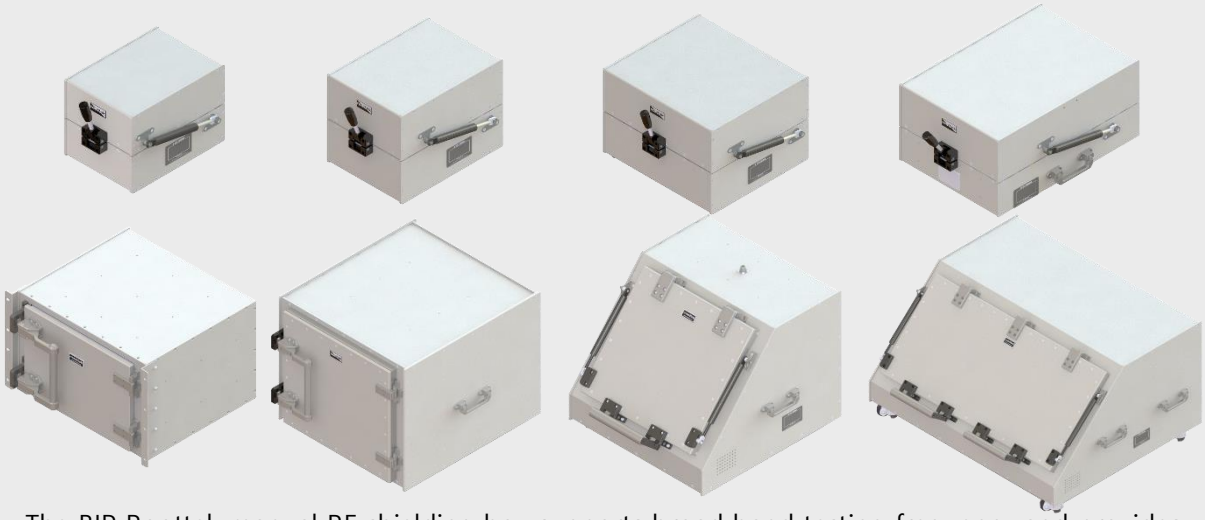
RF Accessory

www.roottek.co.kr

Contents

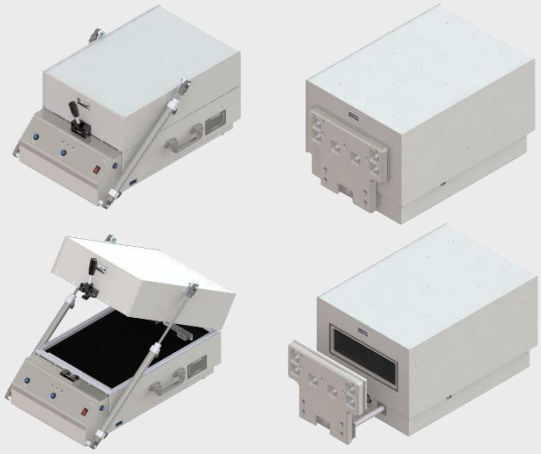
Product Introduction

Manual RF shielding box



The BIP Roottek manual RF shielding box supports broad band testing frequency and provides optimal testing circumstance to test mobile device. These shielding box gives many advantages for user to test device in both development and production because of its high shielding performance and very good reflectivity of inner absorber.

Pneumatic RF shielding box



The BIP Roottek Pneumatic RF shielding box is suitable for production and very easy to use. Durability is also excellent. The all manual RF shielding boxes except RT-2122 can be converted to Pneumatic type.

5G(mmwave) Products & others

The BIP Roottek 5G RF shielding box, antenna and waveguide adapter provide user with a cost-effective test solution and stable test result BIP Roottek also have various antennas, fixtures and other components. In addition, customizing for all products are also available .

RF TEST ENCLOSURE

RT-2121

1.Main Features

RT-2121 RF Test Enclosure supports broad band testing frequency and provides optimal testing condition to test mobile device.

- Outstanding durability and simple structure
- Convenient use and maintenance
- Supports an I/O interface panel to apply various interface (IB-series)
- High performance RF absorber
- High shielding effectiveness using double layer gasket structure.
- Fixture mounting holes in the Bottom Plate,

2. Product Specifications

	W (mm)	D (mm)	H (mm)
Outer Size (Closed)	248	305	212
Outer Size (Opened)	248	394	409
Inner Size	173	248	134
Weight	Approx. 6.5Kgf		
Packing Size	320	430	280
Packing Weight	Approx. 8.5Kgf		
Interface	I/O Panel : IB-Series		

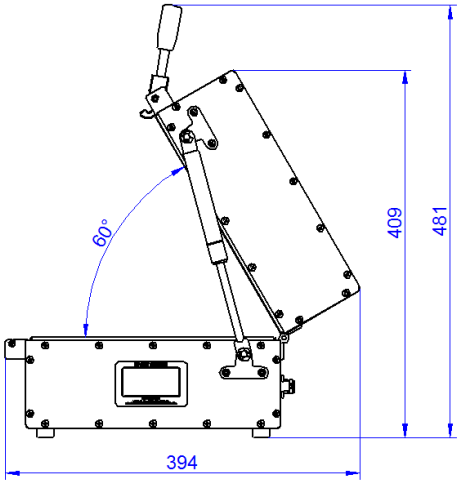
Shielding Effectiveness

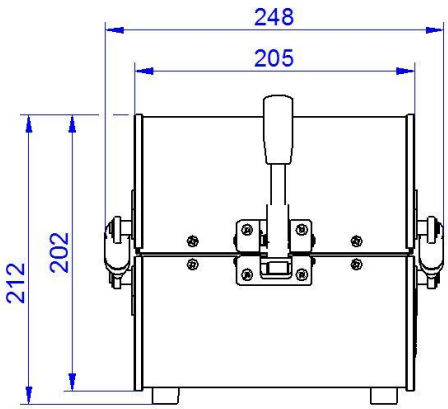
Frequency – Unit : MHz	Shielding effectiveness – Unit : dB
100-3000	>80
3000-6000	>70

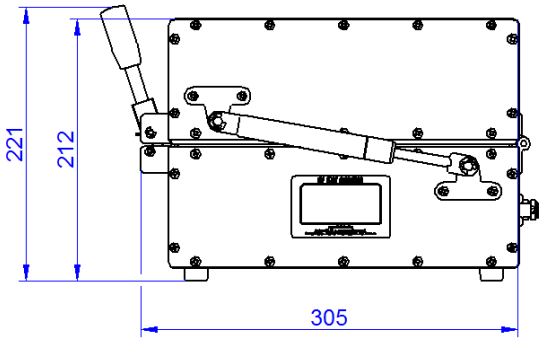
The shielding effectiveness in the above is measured when the blank I/O panel is attached.

3. Dimensions

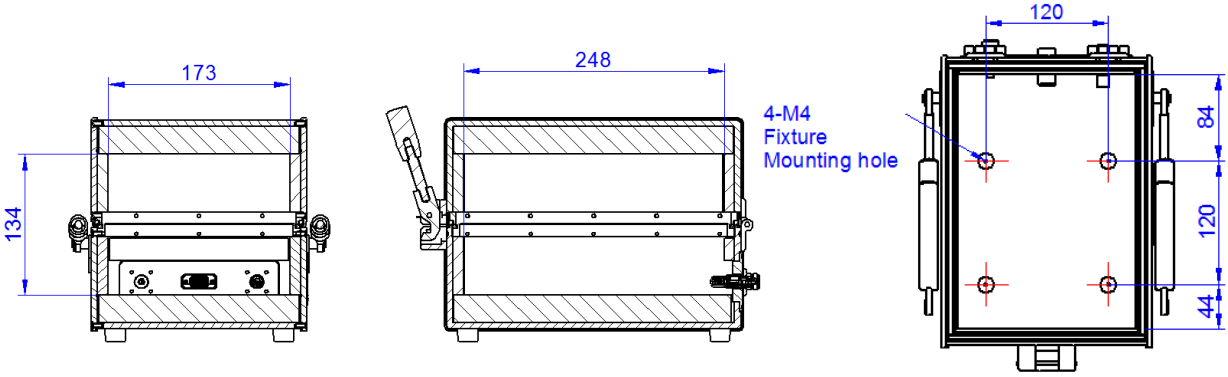
Outside Dimensions







Inside Dimensions



RF TEST ENCLOSURE

RT-2123

1.Main Features

RT-2123 RF Test Enclosure supports broad band testing frequency and provides optimal testing condition to test mobile device.

- Outstanding durability and simple structure
- Convenient use and maintenance
- Supports an I/O interface panel to apply various interface (IB-series)
- High performance RF absorber
- High shielding effectiveness using double layer gasket structure.
- Fixture mounting holes in the Bottom Plate,

2. Product Specifications

	W (mm)	D (mm)	H (mm)
Outer Size (Closed)	278	347	252
Outer Size (Opened)	278	445	467
Inner Size	203	288	174
Weight	Approx. 11Kgf		
Packing Size	350	470	310
Packing Weight	Approx. 13Kgf		
Interface	I/O Panel : IB-Series		

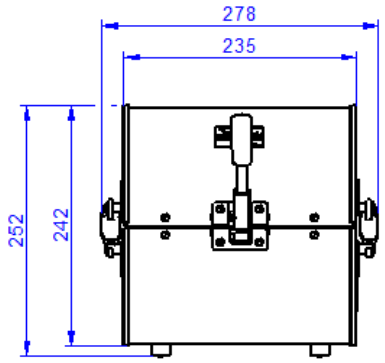
Shielding Effectiveness

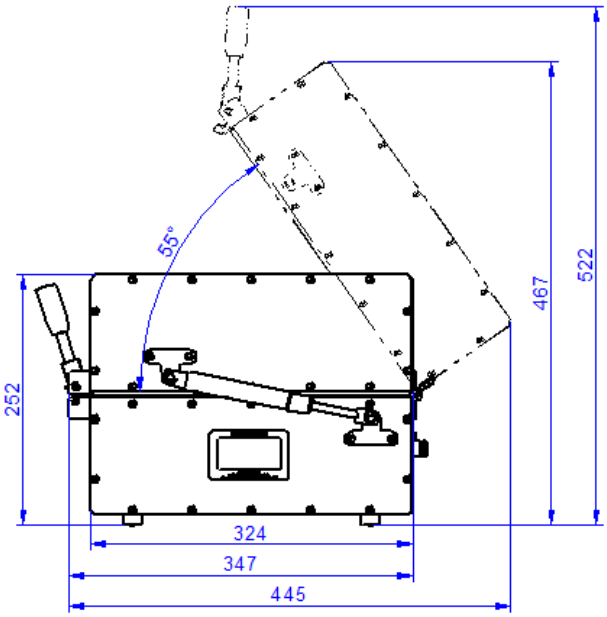
Frequency – Unit : MHz	Shielding effectiveness – Unit : dB
100-3000	>80
3000-6000	>70

The shielding effectiveness in the above is measured when the blank I/O panel is attached.

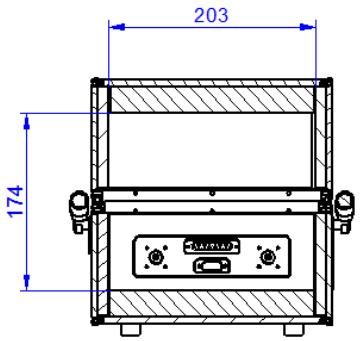
3. Dimensions

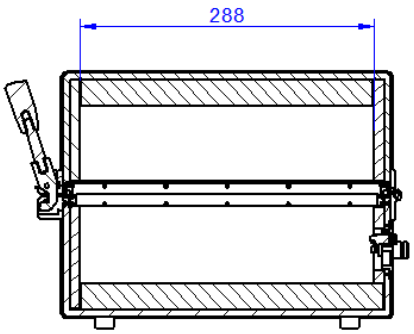
Outside Dimensions

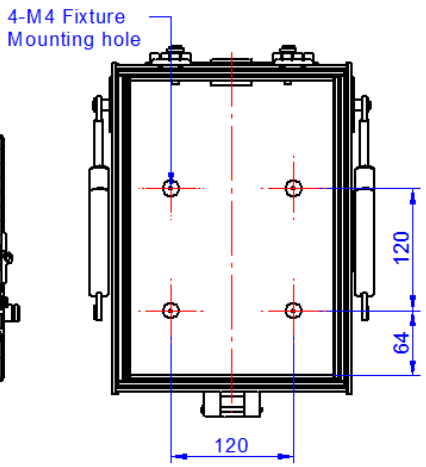




Inside Dimensions

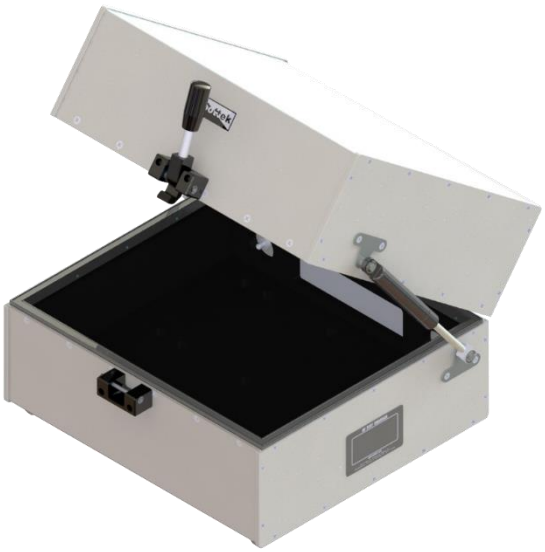






RF TEST ENCLOSURE

RT-2124



1.Main Features

RT-2124 RF Test Enclosure supports broad band testing frequency and provides optimal testing condition to test mobile device.

- Outstanding durability and simple structure
- Convenient use and maintenance
- Supports an I/O interface panel to apply various interface (IB-series)
- High performance RF absorber
- High shielding effectiveness using double layer gasket structure.
- Fixture mounting holes in the Bottom Plate

2. Product Specifications

	W (mm)	D (mm)	H (mm)
Outer Size (Closed)	410	347	252
Outer Size (Opened)	410	445	467
Inner Size	333	288	174
Weight	Approx. 13Kgf		
Packing Size	490	470	310
Packing Weight	Approx. 15Kgf		
Interface	I/O Panel : IB-Series		

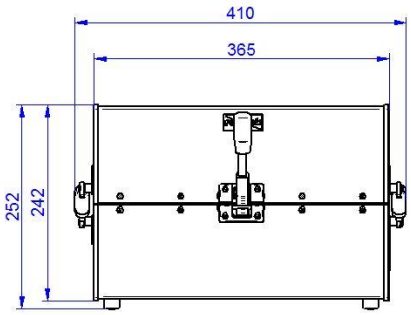
Shielding Effectiveness

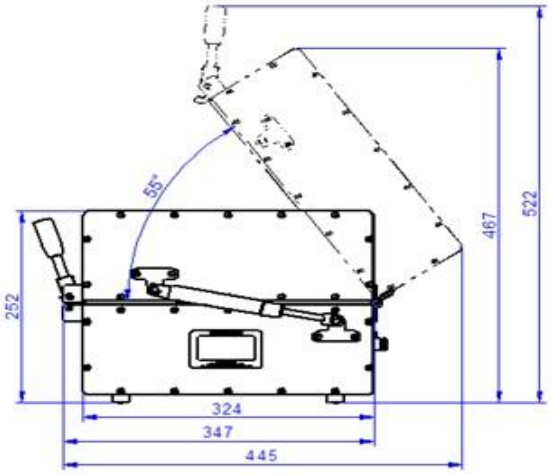
Frequency – Unit : MHz	Shielding effectiveness – Unit : dB
100-3000	>80
3000-6000	>70

The shielding effectiveness in the above is measured when the blank I/O panel is attached.

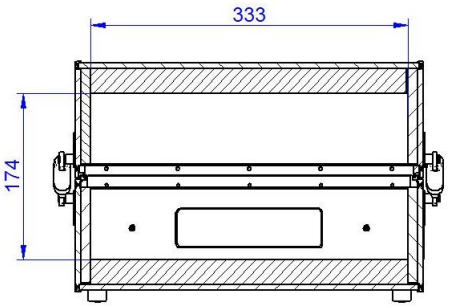
3. Dimensions

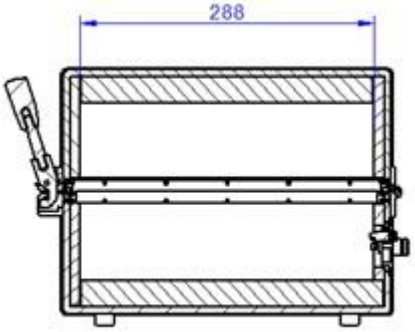
Outside Dimensions

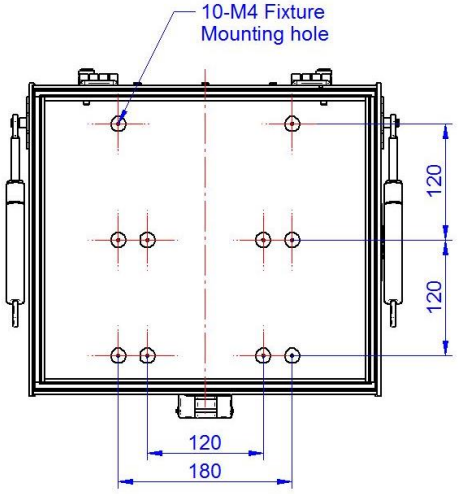




Inside Dimensions







RF TEST ENCLOSURE

RT-2125

1.Main Features

RT-2125 RF Test Enclosure supports broad band testing frequency and provides optimal testing condition to test mobile device.

- Outstanding durability and simple structure
- Convenient use and maintenance
- Supports an I/O interface panel to apply various interface (IB-series)
- High performance RF absorber
- High shielding effectiveness using double layer gasket structure.
- Fixture mounting holes in the Bottom Plate,

2. Product Specifications

	W (mm)	D (mm)	H (mm)
Outer Size (Closed)	369	526	242
Outer Size (Opened)	369	585	622
Inner Size	258	388	163
Weight	Approx. 15Kgf		
Packing Size	450	580	310
Packing Weight	Approx. 18Kgf		
Interface	I/O Panel : IB-Series		

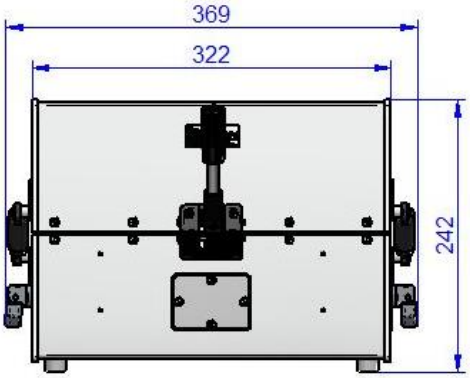
Shielding Effectiveness

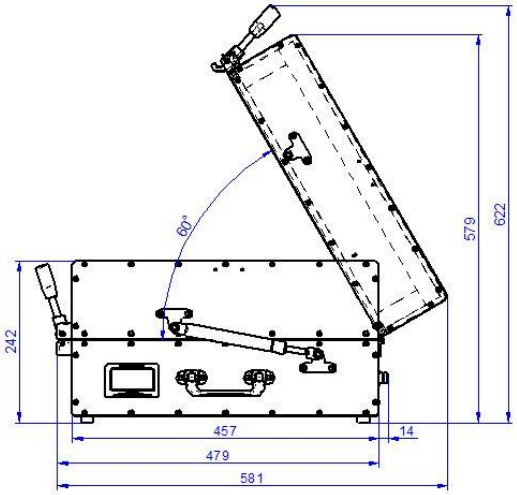
Frequency – Unit : MHz	Shielding effectiveness – Unit : dB
100-3000	>80
3000-6000	>70

The shielding effectiveness in the above is measured when the blank I/O panel is attached.

3. Dimensions

Outside Dimensions





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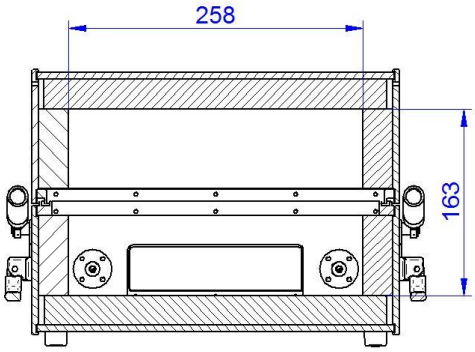
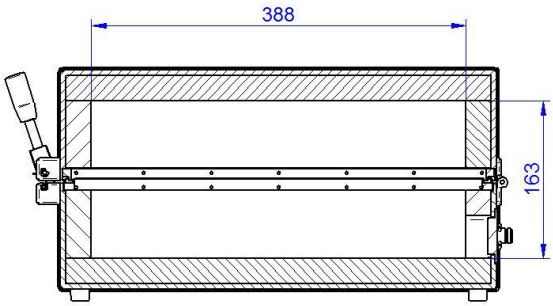
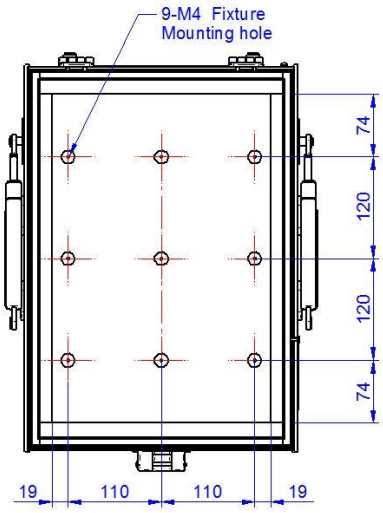






RF TEST ENCLOSURE

RT-1330

1. Main features

RT-1330 RF Test Enclosure supports broad band testing frequency and provides optimal testing condition to test mobile device.

- Outstanding durability and simple structure.
- Convenient use and maintenance.
- Supports 2x I/O interface panel(IA-series)
- High performance RF absorber on inside walls
- High shielding effectiveness using double layer gasket structure.
- 19" Rack Mountable
- Fixture mounting holes in the top, bottom and side panels

2 . Product specification

	W (mm)	D (mm)	H (mm)
Outer Size (Closed)	434	437	294
Outer Size (Opened)	500	763	294
Inner Size	368	321	215
Weight	Approx. 20Kgf		
Packing Size	550	580	410
Packing Weight	Approx. 22Kgf		
Interface	I/O Panel : IA-Series		

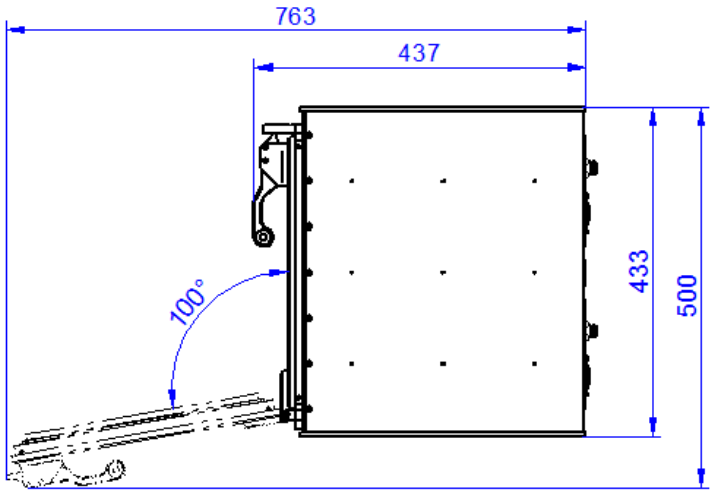
Shielding effectiveness

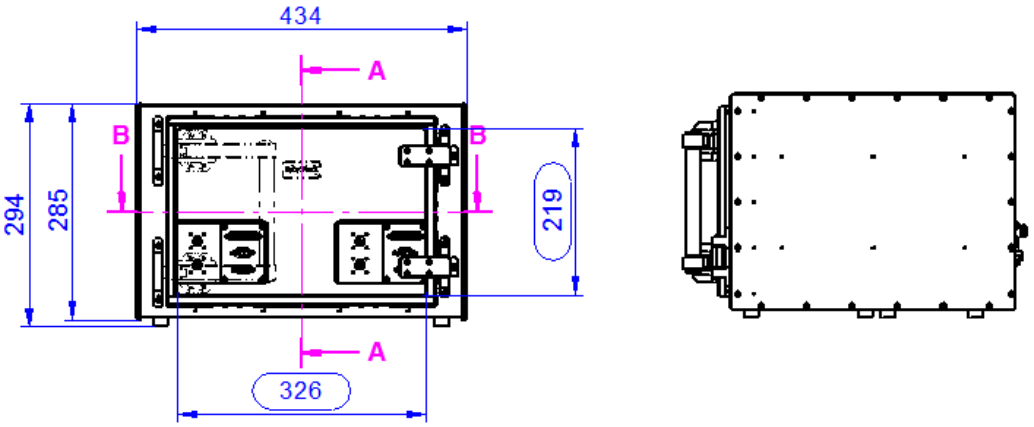
Frequency – Unit : MHz	Shielding effectiveness – Unit : dB
100-3000	>80
3000-6000	>70

The shielding effectiveness in the above is measured when the blank I/O panel is attached.

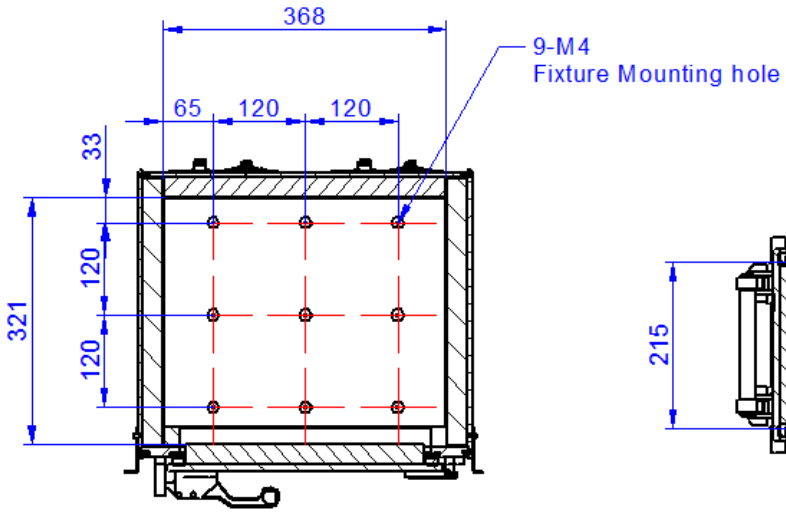
3. Dimensions

Outside Dimensions

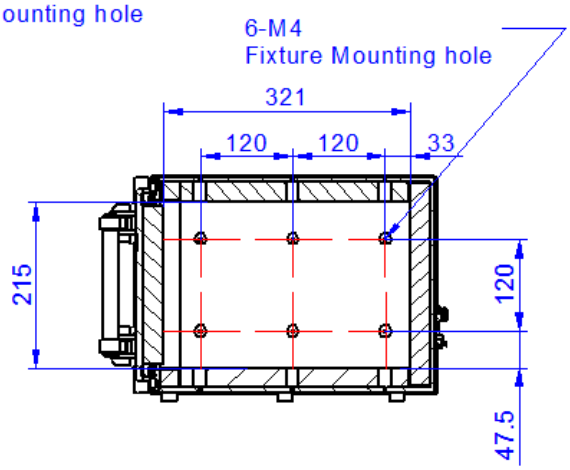




Inside Dimensions



SECTION B-B



SECTION A-A

RF TEST ENCLOSURE

RT-1331

1. Main features

RT-1331 RF Test Enclosure supports broad band testing frequency and provides optimal testing condition to test mobile device.

- Outstanding durability and simple structure.
- Convenient use and maintenance.
- Supports 2x I/O interface panel (IA-series)
- High performance RF layered absorber on inside walls
- High shielding effectiveness using double layer gasket structure.
- 19" Rack Mountable
- Fixture mounting holes in the top and side walls
- Support air ventilation with an externally mounted AC fan.

2 . Product specification

	W (mm)	D (mm)	H (mm)
Outer Size (Closed)	434	695	444
Outer Size (Opened)	555	1011	444
Inner Size	368	366	370
Weight	Approx. 30Kgf		
Packing Size	550	780	540
Packing Weight	Approx. 35Kgf		
Interface	I/O Panel : IA-Series		

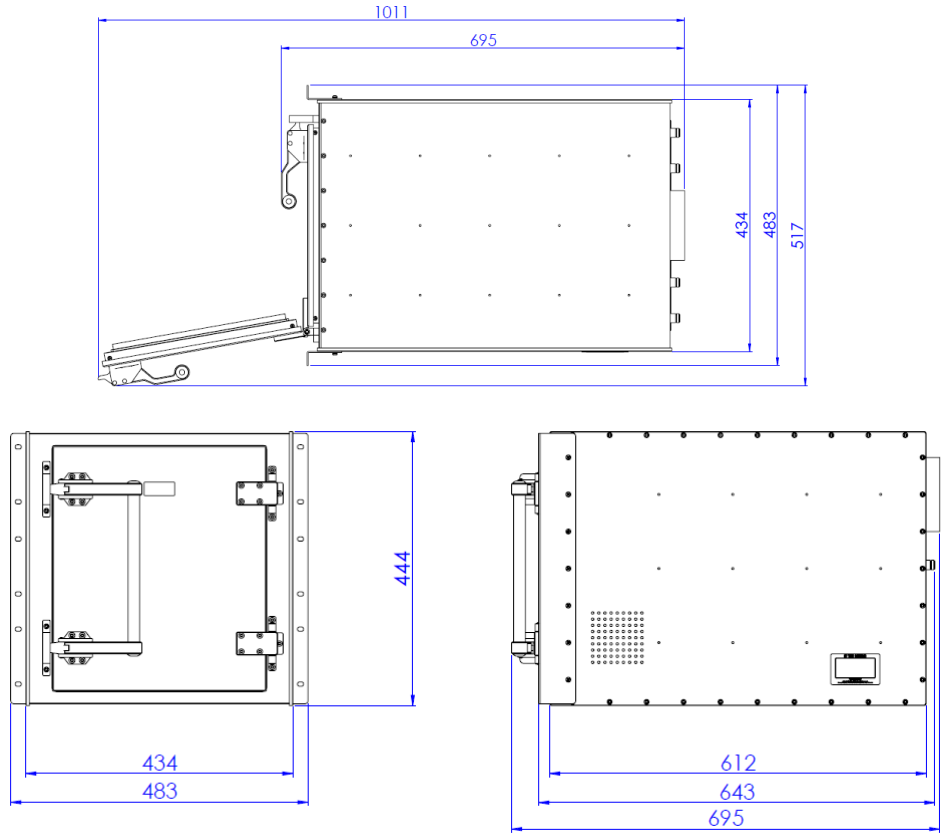
Shielding effectiveness

Frequency – Unit : MHz	Shielding effectiveness – Unit : dB
100-3000	>80
3000-6000	>70

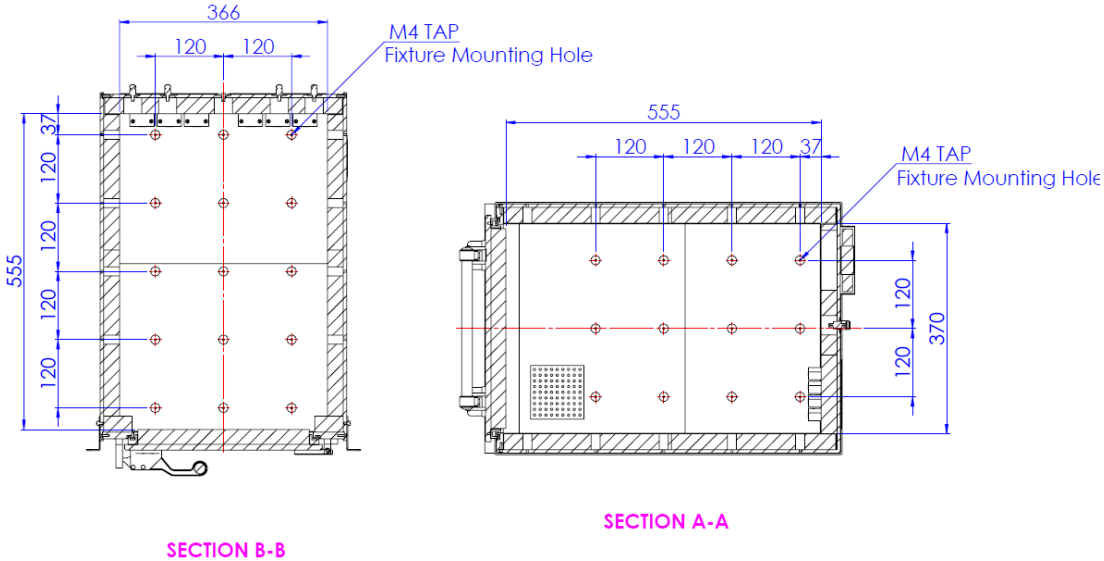
The shielding effectiveness in the above is measured when the blank I/O panel is attached.

3. Dimensions

Outside Dimensions



Inside Dimensions



RF TEST ENCLOSURE

RT-2330

1. Main features

RT-2330 RF Test Enclosure supports broad band testing frequency and provides optimal testing condition to test mobile device.

- Outstanding durability
- Convenient use and maintenance.
- Supports 2x I/O interface panel (IA-series)
- High performance RF absorber on inside walls
- High shielding effectiveness using double layer gasket structure.
- Reliable test result and repeatability
- Fixture mounting holes in the top, bottom and side walls

2 . Product specification

	W (mm)	D (mm)	H (mm)
Outer Size (Closed)	517	634	444
Outer Size (Opened)	517	1019	444
Inner Size	457	480	358
Weight	Approx. 39Kgf		
Packing Size	630	760	570
Packing Weight	Approx. 44Kgf		
Interface	I/O Panel : IA-Series		

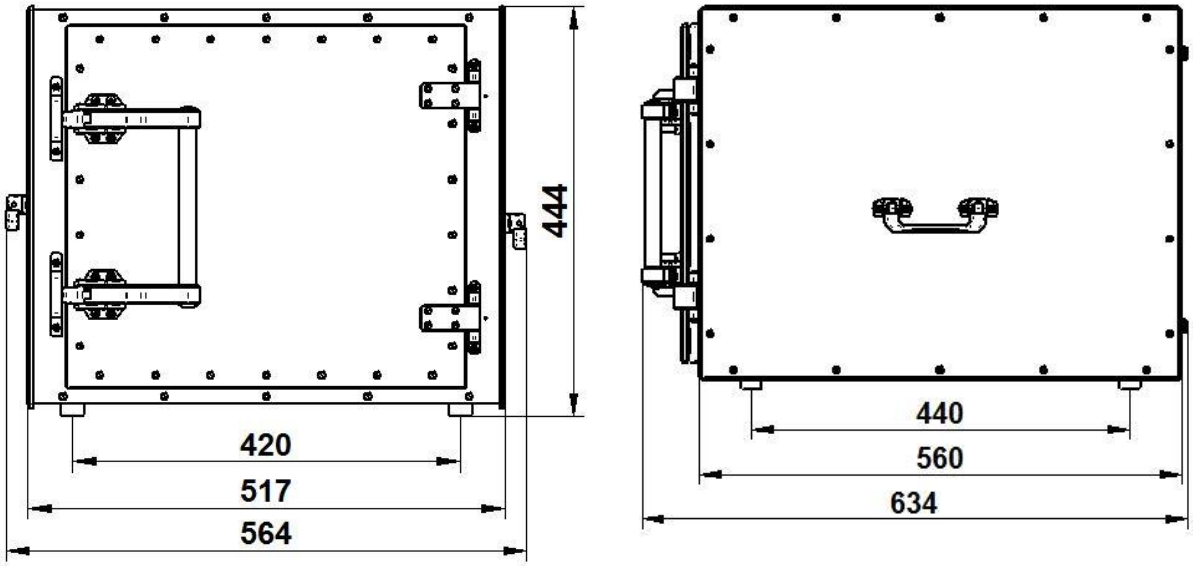
Shielding effectiveness

Frequency – Unit : MHz	Shielding effectiveness – Unit : dB
100-3000	>80
3000-6000	>70

The shielding effectiveness in the above is measured when the blank I/O panel is attached.

3. Dimensions

Outside Dimensions



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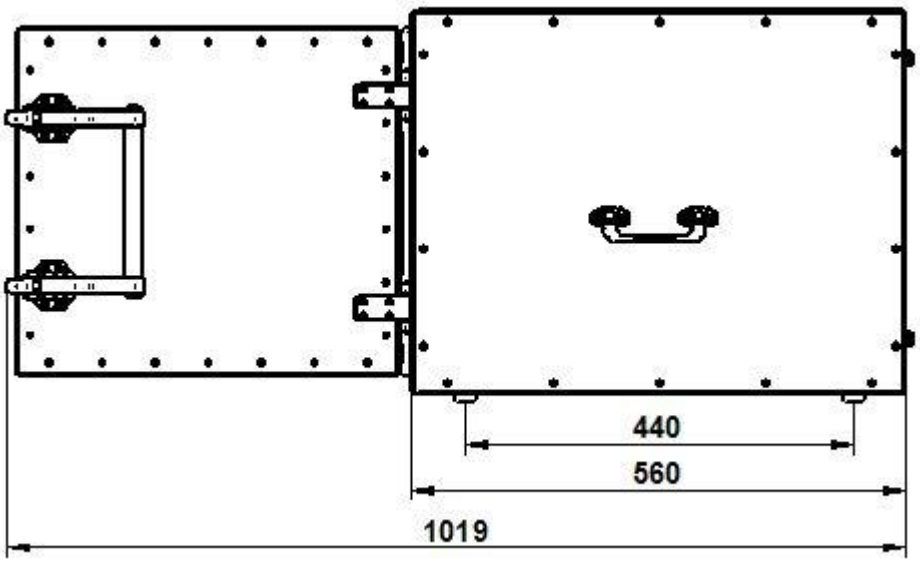

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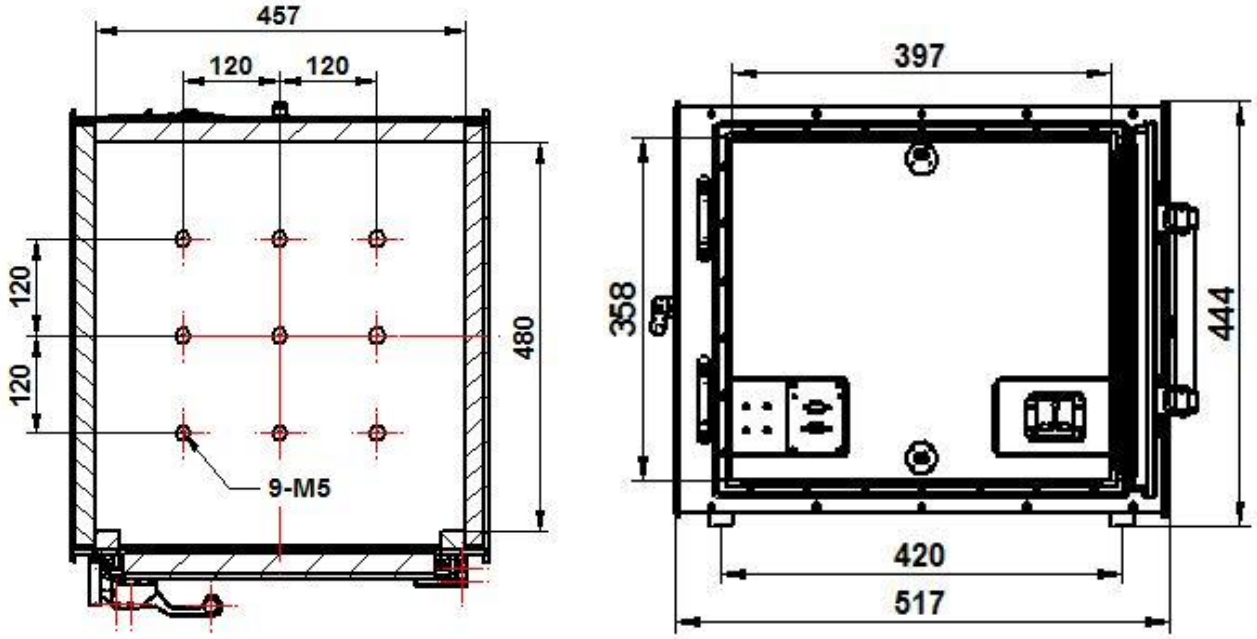
Inside Dimensions



RF TEST ENCLOSURE

RT-2340

1. Main features

RT-2340 RF Test Enclosure supports broad band testing frequency and provides optimal testing condition to test mobile device.

- Outstanding durability
- Convenient use and maintenance.
- Supports 2x I/O interface panel (IA-series)
- High performance RF absorber on inside walls
- High shielding effectiveness using double layer gasket structure.
- Reliable test result and repeatability
- Fixture mounting holes in the top, bottom and side walls

2 . Product specification

	W (mm)	D (mm)	H (mm)
Outer Size (Closed)	892	862	613
Outer Size (Opened)	911	1449	613
Inner Size	786	711	502
Weight	Approx. 45Kgf		
Packing Size	990	960	710
Packing Weight	Approx. 55Kgf		
Interface	I/O Panel : IA-Series		

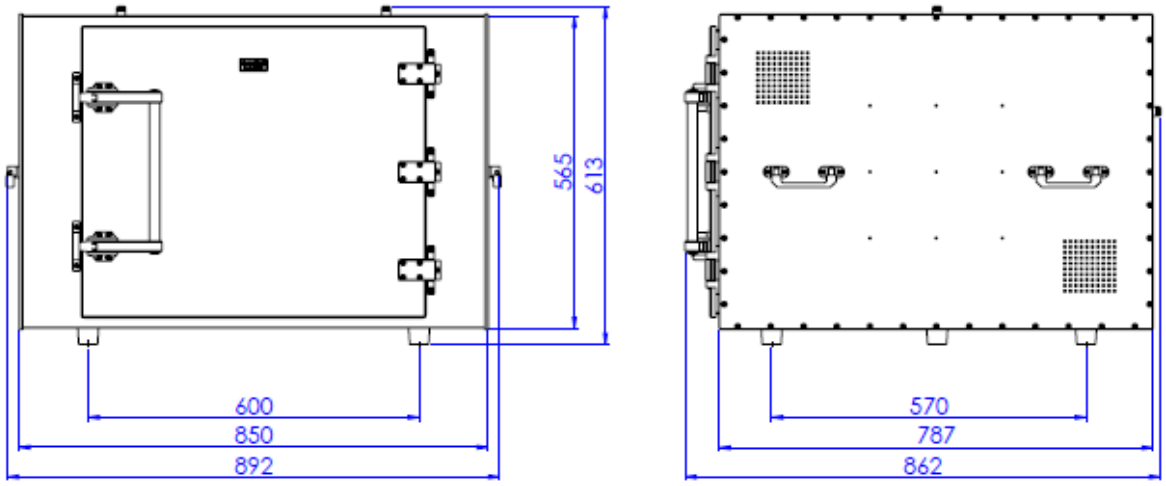
Shielding effectiveness

Frequency – Unit : MHz	Shielding effectiveness – Unit : dB
100-3000	>80
3000-6000	>70

The shielding effectiveness in the above is measured when the blank I/O panel is attached.

3. Dimensions

Outside Dimensions



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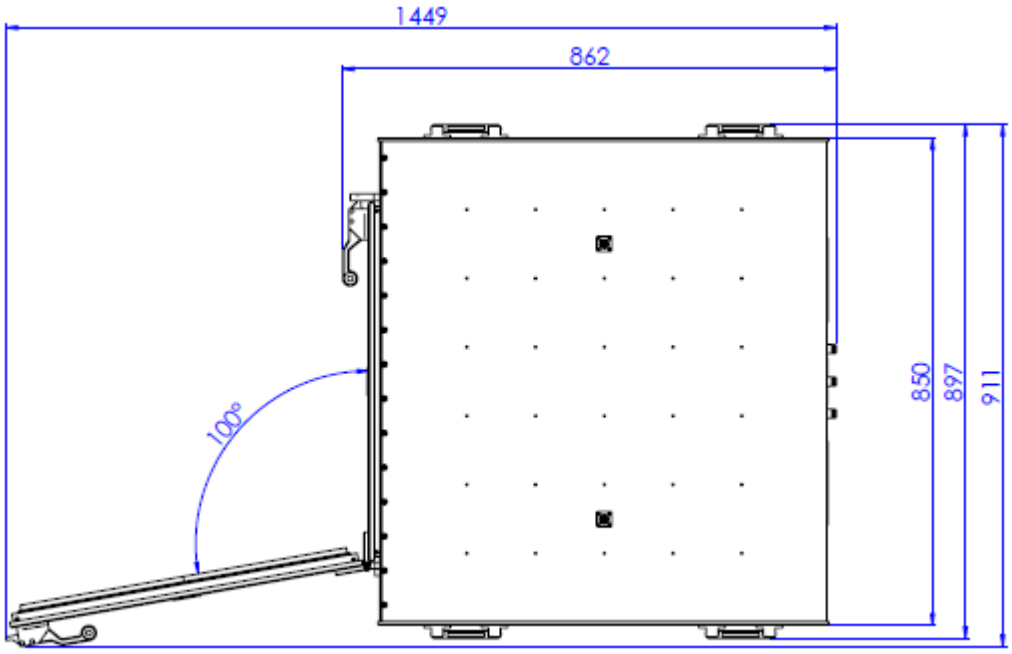

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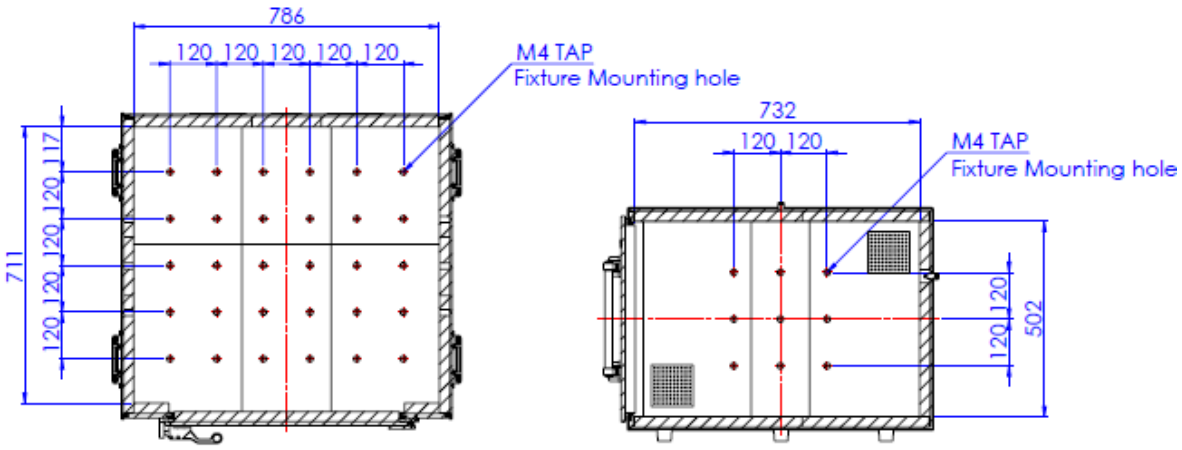
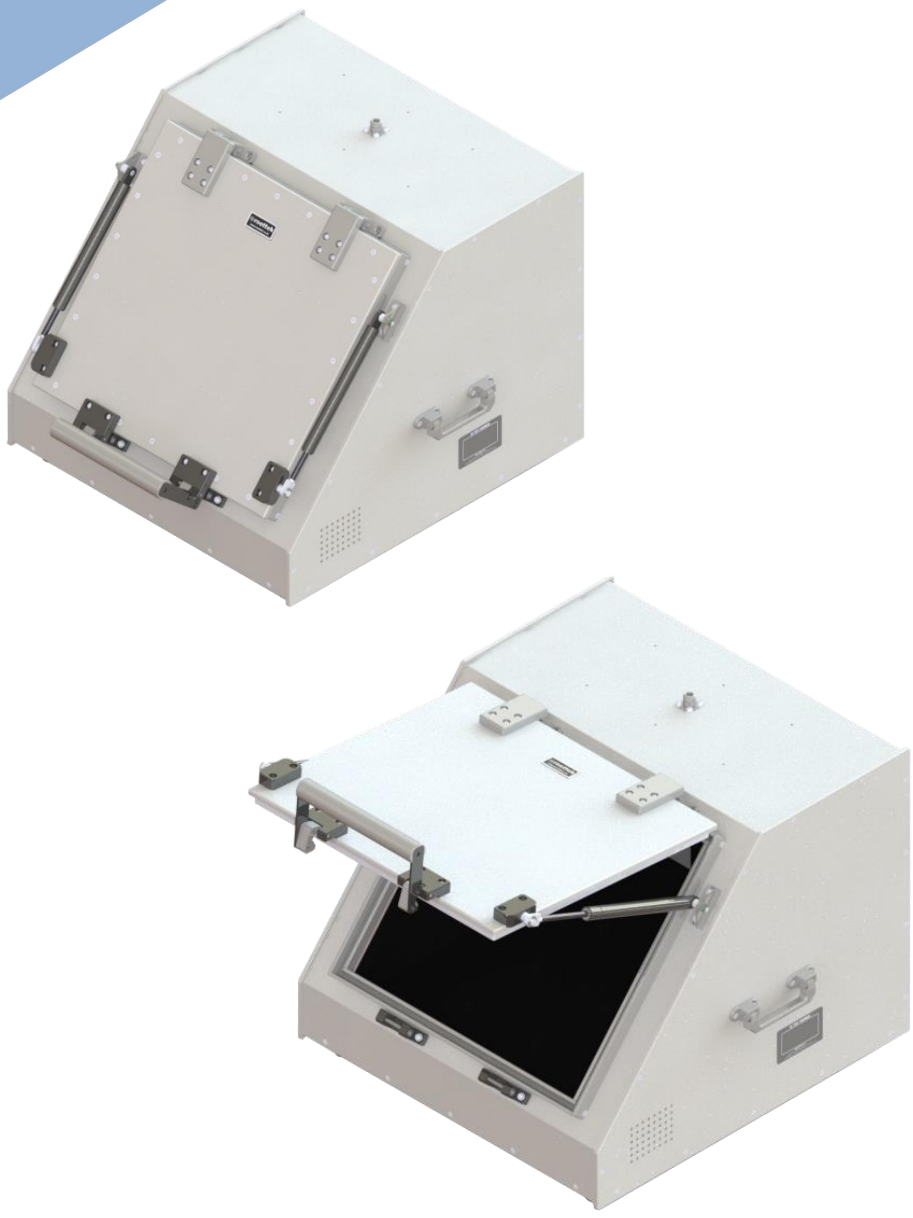
Inside Dimensions



RF TEST ENCLOSURE

RT-3130



1. Main features

RT-3130 RF Test Enclosure supports broad band testing frequency and provides optimal testing condition to test mobile device.

- Outstanding durability
- Convenient use and maintenance.
- Supports 2x I/O interface panel (IA-series)
- High performance RF absorber on inside walls
- High shielding effectiveness using double layer gasket structure.
- Reliable test result and repeatability
- Fixture mounting holes in the top, bottom and side walls

2 . Product specification

	W (mm)	D (mm)	H (mm)
Outer Size (Closed)	574	607	451
Outer Size (Opened)	574	629	755
Inner Size	467	498	358
Weight	Approx. 35Kgf		
Packing Size	690	750	570
Packing Weight	Approx. 40Kgf		
Interface	I/O Panel : IA-Series		

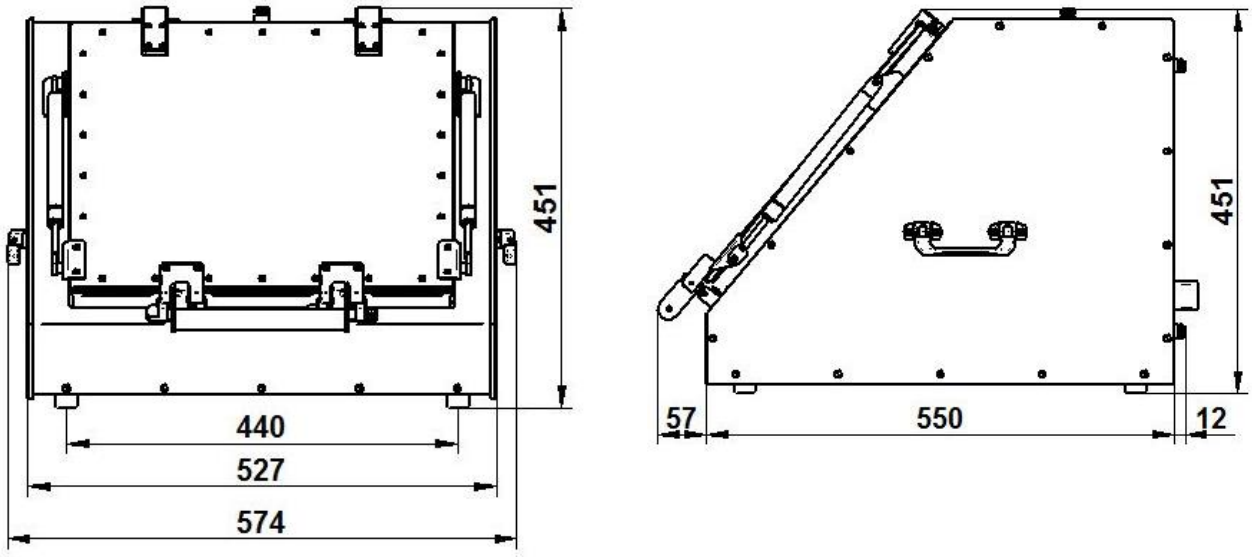
Shielding effectiveness

Frequency – Unit : MHz	Shielding effectiveness – Unit : dB
100-3000	>80
3000-6000	>70

The shielding effectiveness in the above is measured when the blank I/O panel is attached.

3. Dimensions

Outside Dimensions



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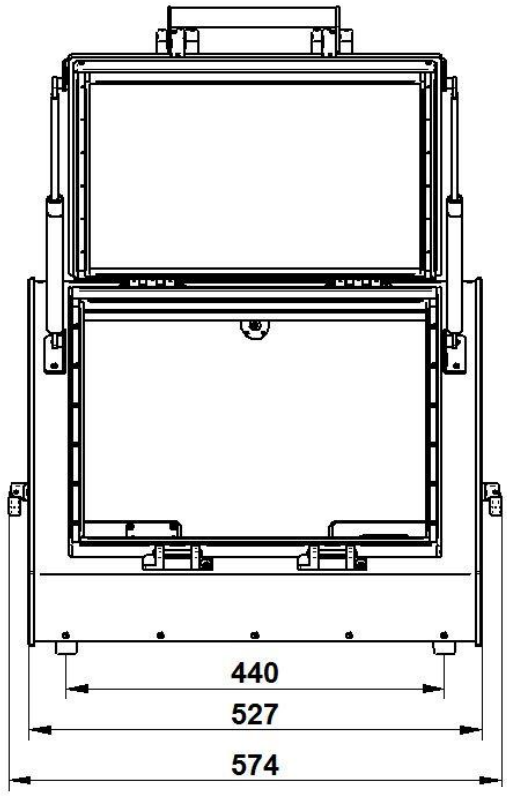

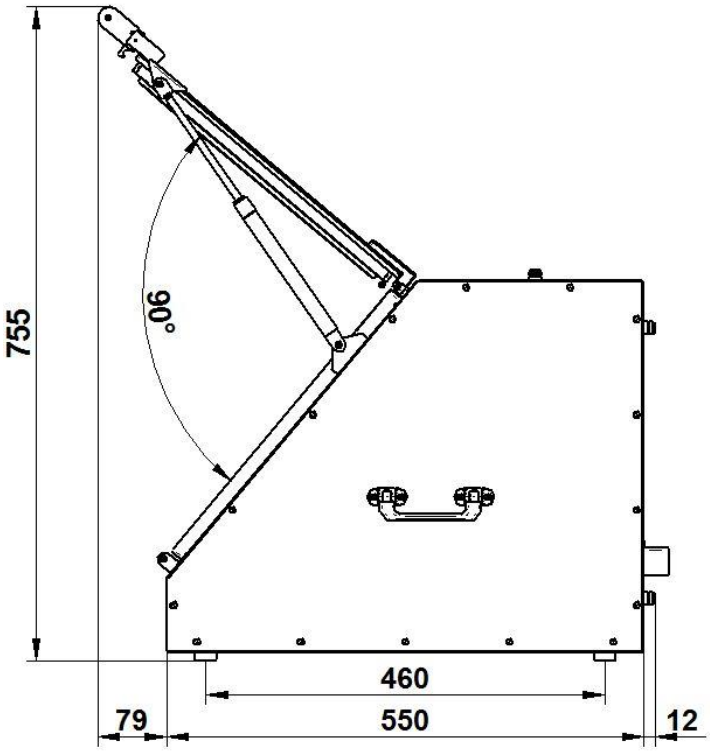

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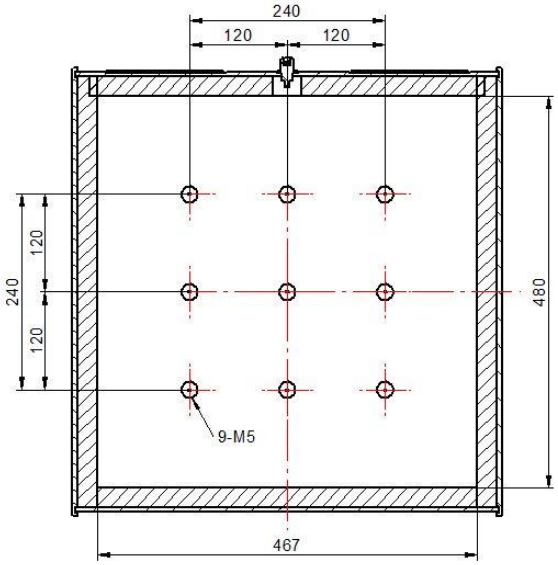
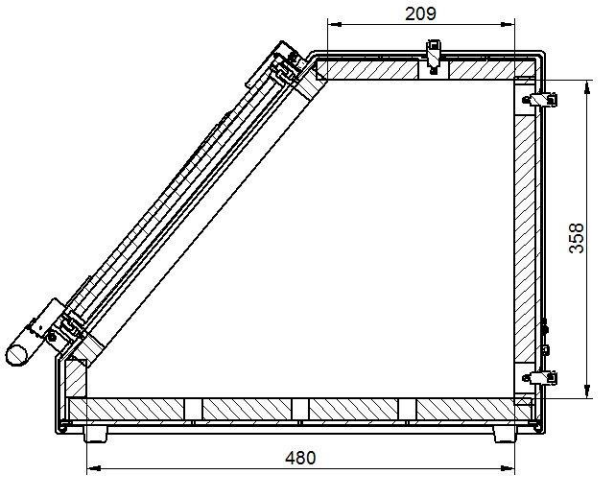
Inside Dimensions





RF TEST ENCLOSURE

RT-3140

1. Main features

RT-3140 RF Test Enclosure supports broad band testing frequency and provides optimal testing condition to test mobile device.

- Outstanding durability
- Convenient use and maintenance.
- Supports 2x I/O interface panel (IA-series)
- High performance RF absorber on inside walls
- High shielding effectiveness using double layer gasket structure.
- Reliable test result and repeatability
- Fixture mounting holes in the top, bottom and side walls

2 . Product specification

	W (mm)	D (mm)	H (mm)
Outer Size (Closed)	954	801	493
Outer Size (Opened)	954	727	850
Inner Size	843	650	351
Weight	Approx. 43Kgf		
Packing Size	690	750	570
Packing Weight	Approx. 49Kgf		
Interface	I/O Panel : IA-Series		

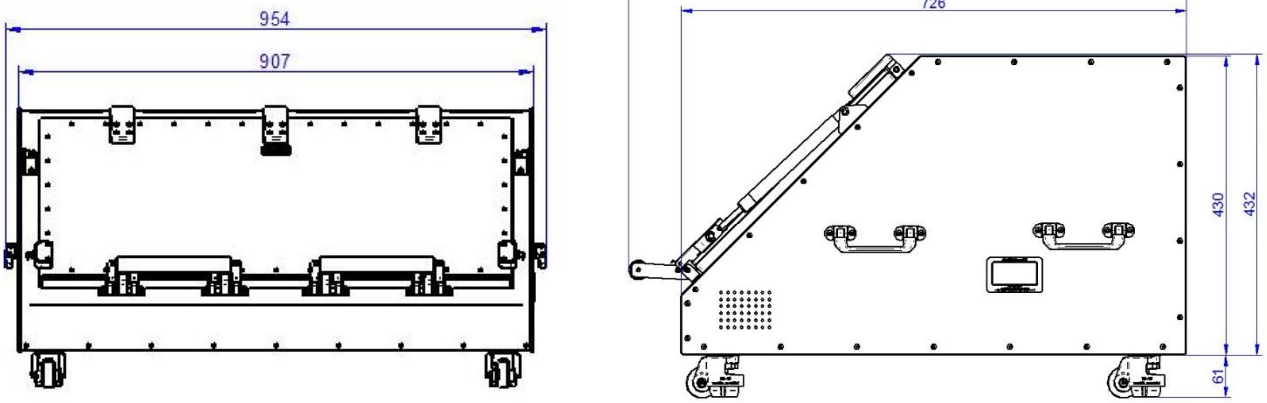
Shielding effectiveness

Frequency – Unit : MHz	Shielding effectiveness – Unit : dB
100-3000	>80
3000-6000	>70

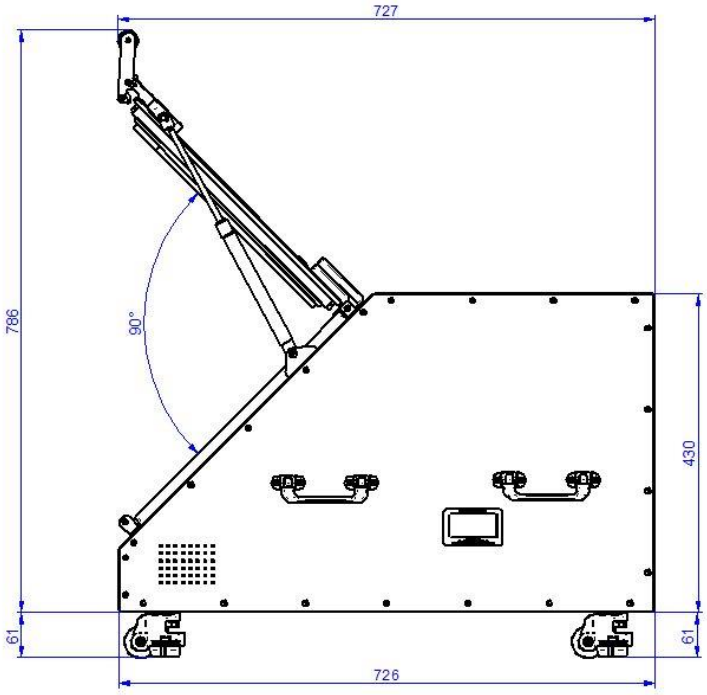
The shielding effectiveness in the above is measured when the blank I/O panel is attached.

3. Dimensions

Outside Dimensions

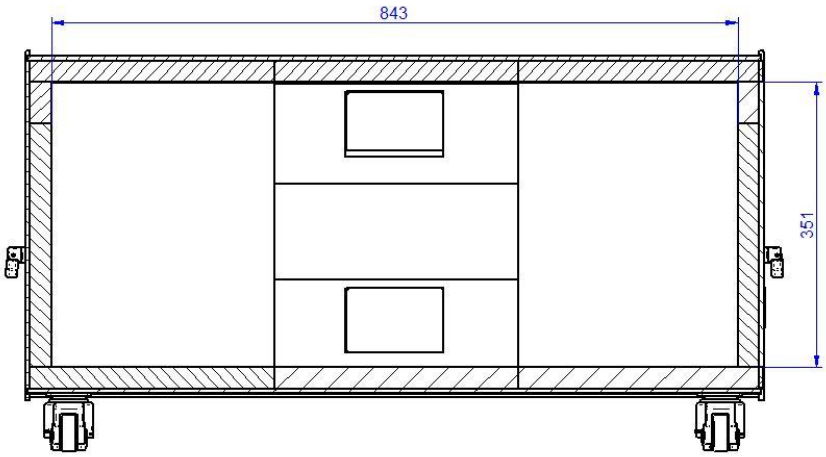


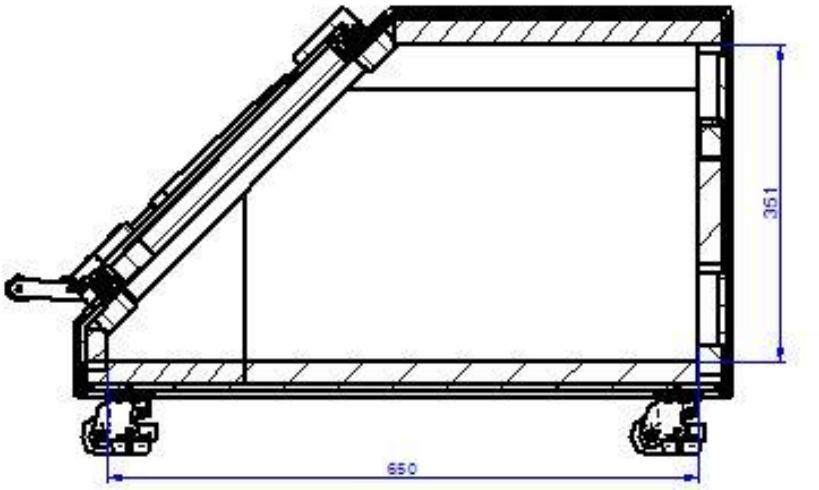
CLOSED



OPENNED

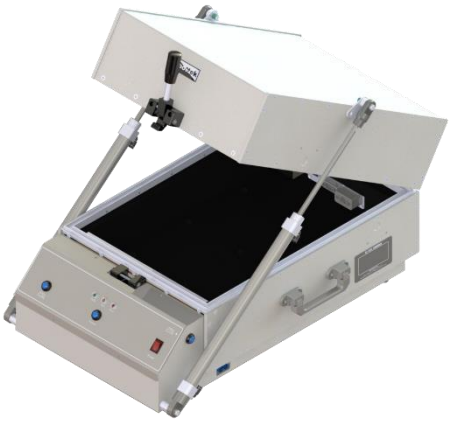
Inside Dimensions





PNEUMATIC

RF TEST ENCLOSURE



1. 1. Main Features

BIP Roottek Pneumatic RF shielding box supports broad band testing frequency and provides optimal testing condition to test mobile device.

- Outstanding durability and simple structure
- Convenient use and maintenance
- Supports an I/O interface panel to apply various interface (IB-series)
- High performance RF absorber
- High shielding effectiveness using double layer gasket structure.
- Fixture mounting holes in the Bottom Plate/ Support fixture automation
- Support automatic door/lid control
- Support RS-232C control

2. Product Specification

		Specification
Recommended Air pressure		5~6 bar
Air connection	Main	6mm Air hose, push fitting
	Fixture	4mm Air hose, push fitting
Voltage		DC 24V, 3A Max
Button operation	Main	Two button operations
	Fixture	One button operation (for test only)
Remote control		RS-232C, DB9(s)

Shielding effectiveness

Frequency – Unit : MHz	Shielding effectiveness – Unit : dB
100-3000	>80
3000-6000	>70

The shielding effectiveness in the above is measured when the blank I/O panel is attached.

3. Remote control

BIP Roottek Pneumatic Shield box can be controlled the two buttons on the front panel and also can be controlled via RS-232C for automation.

1. RS-232C setting

   The basic RS-232C setting are shown in the table below.

Bps	9600bps
Data bit	8
Parity	None
Stop bit	1
Flow control	None

2. Operating command

   The Operating commands for Roottek Pneumatic RF shielding box control are as shown in the following table. The Carriage return is necessary to send a remote command. All response also need to send Carriage return in the end of response.

Lid/door open	Open
Lid/door close	Close
Fixture out	Out
Fixture in	In
Fixture up	Up
Fixture down	down
Pass LED On+ Open	Pass
Fail LED ON	Fail

4. Dimensions

Roottek Pneumatic RF Test Enclosure basically has the same internal dimensions as each corresponding manual RF test enclosure and the external dimension is also very similar, but increases around 15cm in height for the swing door type shield box.

5G TEST ENCLOSURE

RT-5330

1. Main features

RT-5330 RF Test Enclosure supports all testing frequency for 5G and provides optimal testing condition to test 5G mobile device.

- Outstanding durability and simple structure.
- Convenient use and maintenance.
- Supports 2x I/O interface panel(IA-series)
- High performance RF absorber
- High shielding effectiveness using double layer gasket structure.
- Support fixture mounting holes
- Provide 5G Antenna assembly (optional)

2 . Product specification

	W (mm)	D (mm)	H (mm)
Outer Size (Closed)	456	514	399
Outer Size (Opened)	480	818	399
Inner Size	350	370	320
Weight	Approx. 29Kgf		
Packing Size	50	620	500
Packing Weight	Approx. 34Kgf		
Interface	I/O Panel : IA-Series		

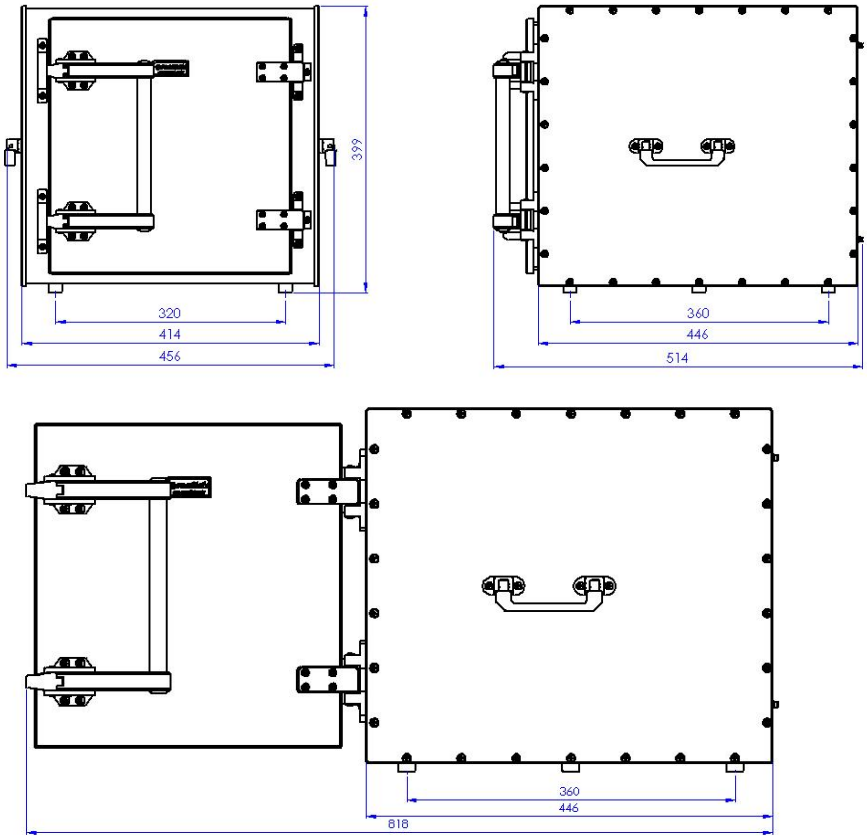
Shielding effectiveness

Frequency – Unit : GHz	Shielding effectiveness – Unit : dB
0.5-6GHz	>70
26.5G-40GHz	>60

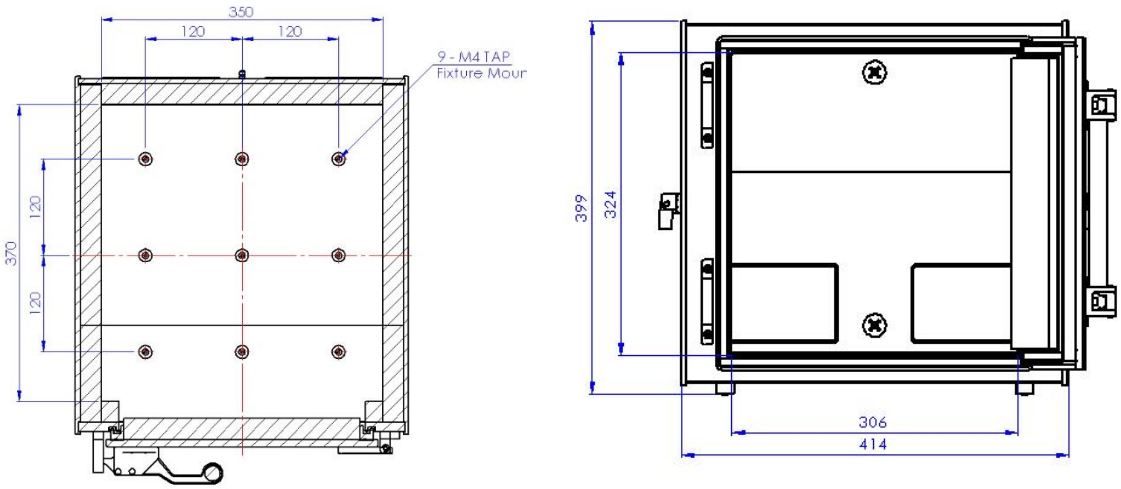
The shielding effectiveness in the above is measured when the blank I/O panel is attached.

3. Dimensions

Outside Dimensions



Inside Dimensions



5G TEST ENCLOSURE

RT-5331

1. Main features

RT-5331 RF Test Enclosure supports all testing frequency for 5G and provides optimal testing condition to test 5G mobile device.

- Outstanding durability and simple structure.
- Convenient use and maintenance.
- Supports 2x I/O interface panel(IA-series)
- High performance RF absorber
- High shielding effectiveness using double layer gasket structure.
- Support fixture mounting holes
- Provide 5G Antenna assembly (optional)

2 . Product specification

	W (mm)	D (mm)	H (mm)
Outer Size (Closed)	476	444	294
Outer Size (Opened)	522	767	294
Inner Size	366	317	211
Weight	Approx. 20Kgf		
Packing Size	550	580	410
Packing Weight	Approx. 22Kgf		
Interface	I/O Panel : IA-Series		

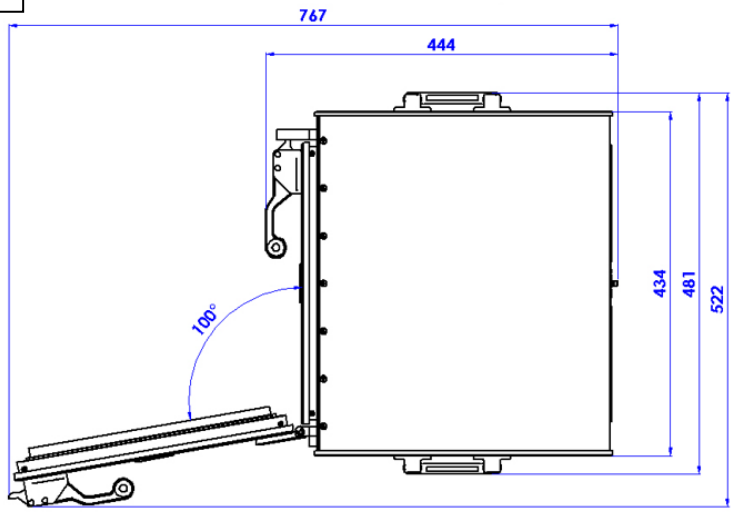
Shielding effectiveness

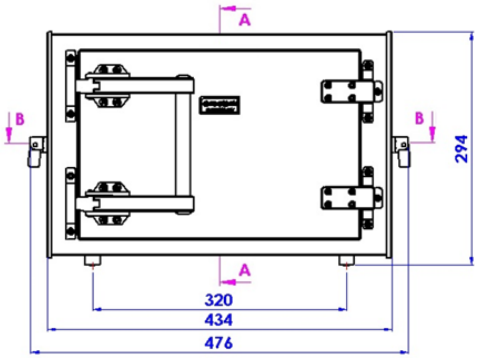
Frequency – Unit : GHz	Shielding effectiveness – Unit : dB
0.5-6	>70
26- 40	>60

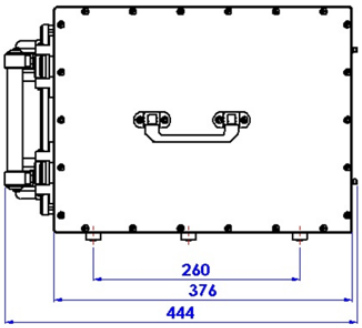
The shielding effectiveness in the above is measured when the blank I/O panel is attached.

3. Dimensions

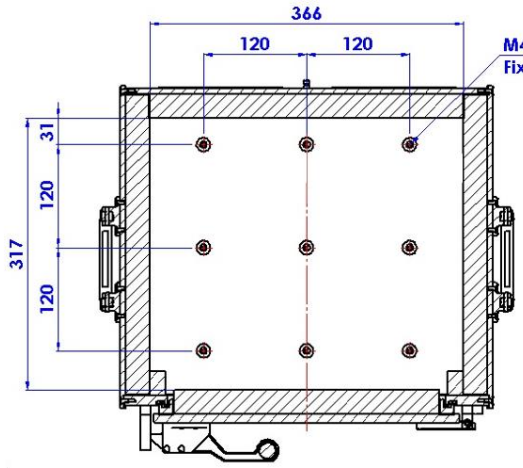
Outside Dimensions



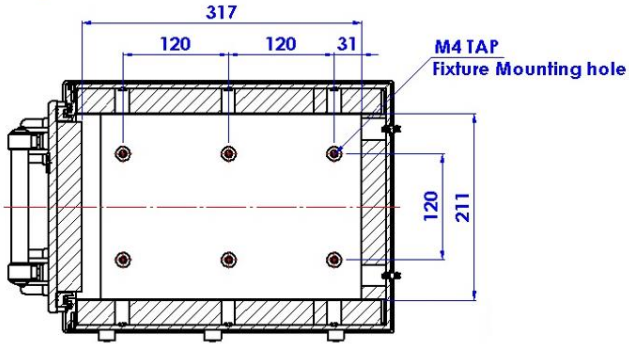




Inside Dimensions



SECTION B-B

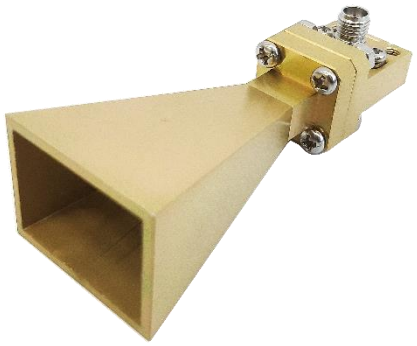


SECTION A-A

Product Feature

- Rectangular Waveguide Interface
- 26.5GHz to 40 GHz
- Minimum 16dBi Gain

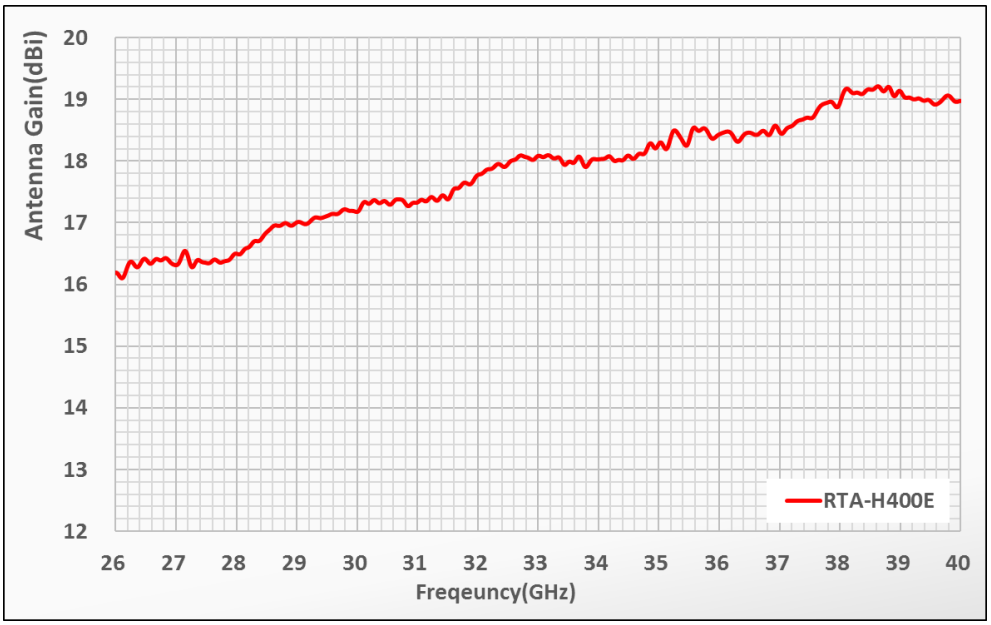
RTA-H400E with RTW-RE00K



Specification

Parameter	Value	Unit	Description
Frequency	26.5 ~ 40.0	GHz	
Dimension	32.0mm(W) X 58.0mm(D) X 24.0mm (H)	mm	
Interface	2.92mm connector	-	
HPBW	E - Plane: 27.7° H - Plane: 26.0°	degree	Simulated results @ 28GHz

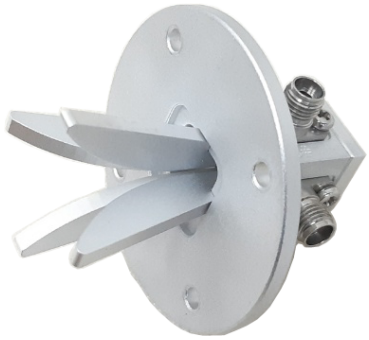
Measurement Data



Product Feature

- Wide band Antenna
- Dual Polarization
- Directional Antenna

RTA-Q400K

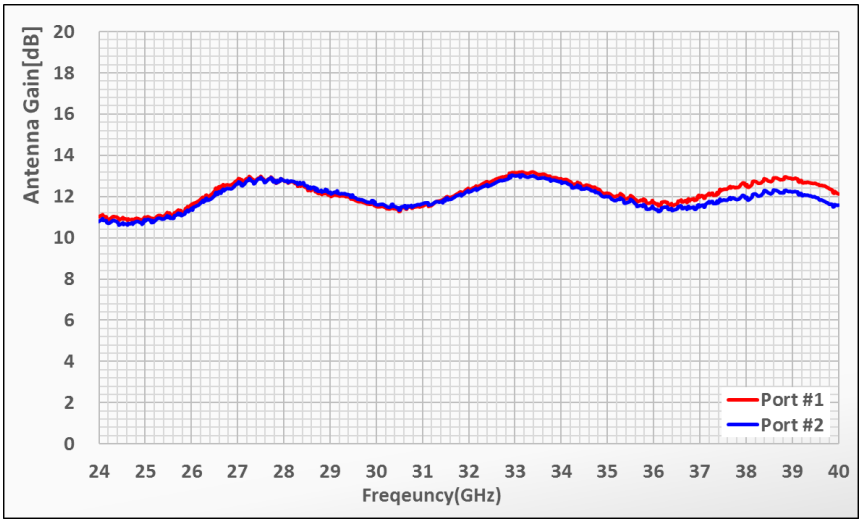


Specification

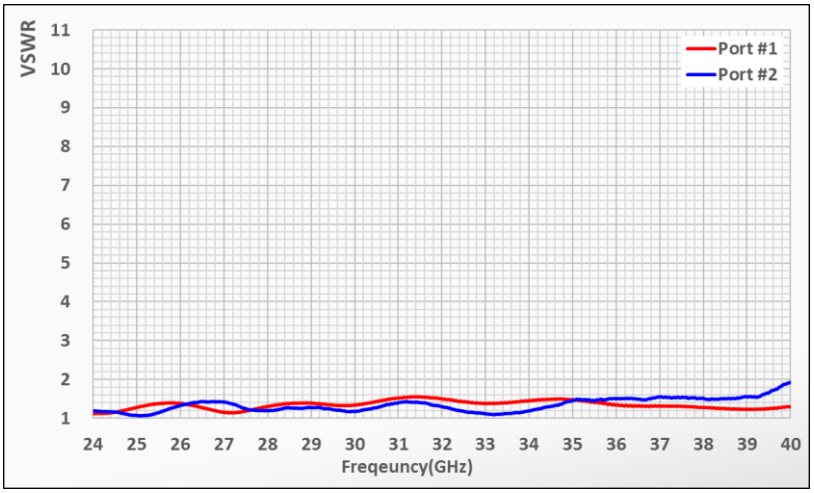
Parameter	Value	Unit	Description
Frequency	24 ~ 40	GHz	
Gain	12	dB	Typical
VSWR	< 2.2 @ 24 ~ 40 GHz	-	
Cross Pol. Isolation	> 20dB		
Cross Port Isolation	> 20dB		
Dimension	49.6(W) X 49.6(D) X 52.3mm (H)	mm	Included connector
Interface	2.92mm(K-Type) Connector	-	Female

Measurement Data

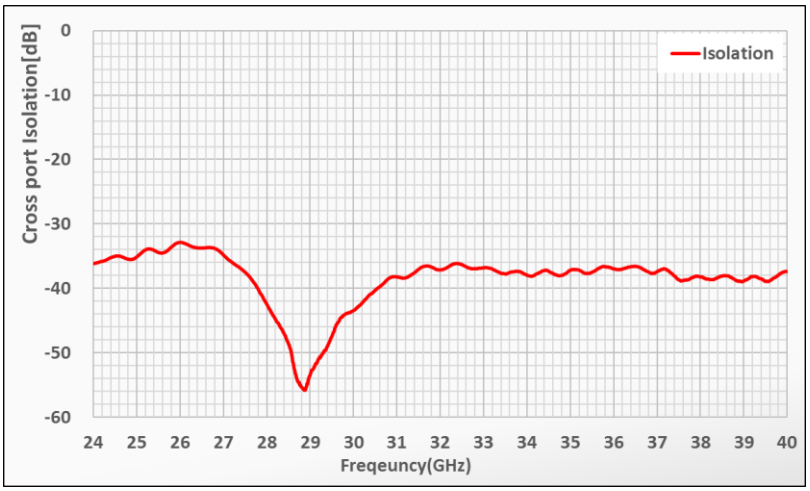
1. Antenna Gain



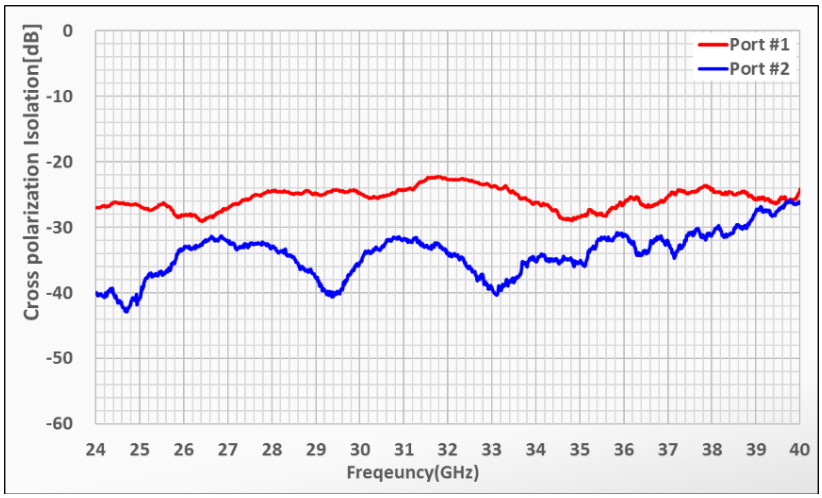
2. Antenna VSWR



3. Cross Port Isolation

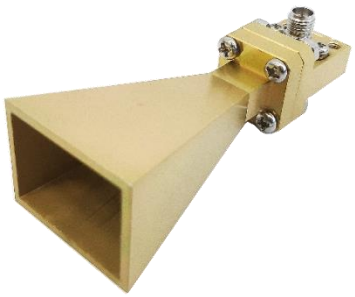


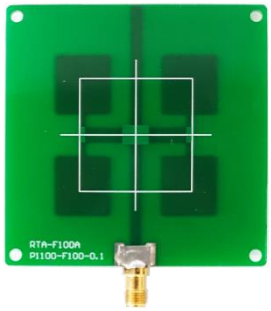
4. Cross Polarization Isolation

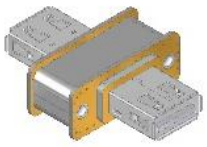


I/O Components

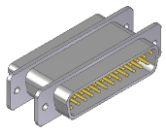
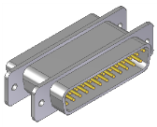
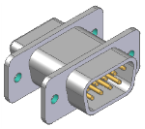
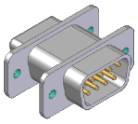
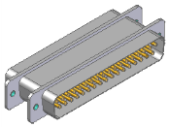
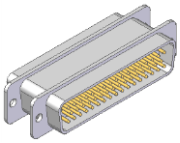
& Accessory

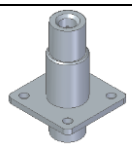
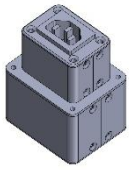
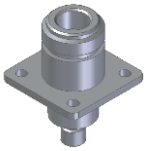
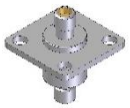






1. I/O Components 특성

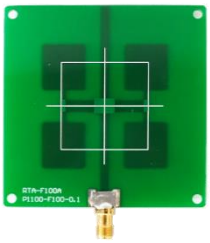
I/O COMPONENT			
Part	SHAPE & ORDER NO.	SHIELDING SPEC.	SPEC.
DB-25 FILTER	 C-DB25 1000	0.5-2GHz :>70dB 2- 3GHz : >70dB 3- 6GHz : >70dB	Working Voltage: 100V Data Rate : 3Mbps Max 5A EMI Filter: 1000 pF Pi
	 C-DB25 100	0.5-2GHz : >60dB 2- 3GHz : >60dB 3- 6GHz : >50dB	Working Voltage: 100V Data Rate : 10Mbps Max 5A EMI Filter: 100 pF Pi
DB-9 FILTER	 C-DB9 1000	0.5-2GHz : >70dB 2- 3GHz : >70dB 3- 6GHz : >70dB	Working Voltage: 100V Data Rate : 3Mbps Max 5A EMI Filter: 1000 pF Pi
	 C-DB9 100	0.5-2GHz : >60dB 2- 3GHz : >60dB 3- 6GHz : >50dB	Working Voltage: 100V Data Rate : 10Mbps Max 5A EMI Filter: 100 pF Pi
DB-37 FILTER	 C-DB37 1000	0.5-2GHz : >70dB 2- 3GHz : >70dB 3- 6GHz : >70dB	Working Voltage: 100V Data Rate : 3Mbps Max 5A EMI Filter: 1000 pF Pi
DB-50 FILTER	 C-DB50 1000	0.5-2GHz : >70dB 2- 3GHz : >70dB 3- 6GHz : >60dB	Working Voltage: 100V Data Rate : 3Mbps Max 5A EMI Filter: 1000 pF Pi
USB 2.0 FILTER	 C-USB 2.0-0-1.0	0.5-2GHz : >70dB 2- 3GHz : >70dB 3- 6GHz : >60dB	Data Rate : 480Mbps Max 2A
USB 3.0 FILTER	 C-USB 3.0-0-1.0	0.5-2GHz : >60dB 2- 3GHz : >60dB 3- 6GHz : >55dB	Max Data Rate : 5Gbps Max 1.5A

ETHERNET FILTER	 **C-EN-0-1.0**	**0.5-2GHz : >60dB** **2- 3GHz : >60dB** **3- 6GHz : >55dB**	1 Gbit/s Copper-Line
DC FILTER	 **C-DC 2.1**	**0.5-2GHz : >80dB** **2- 3GHz : >70dB** **3- 6GHz : >70dB**	100VDC Max 5A
AC FILTER	 **C-AC 1.0**	**0.5-2GHz : >70dB** **2- 3GHz : >70dB** **3- 6GHz : >60dB**	Universal type Max 10A
RF CONNECTOR	 **C-N-SMA 4H**	**0.5-2GHz : >80dB** **2- 3GHz : >70dB** **3- 6GHz : >70dB**	Impedance: 50 ohm
	 **C-SMA-SMA**	**0.5-2GHz : >80dB** **2- 3GHz : >70dB** **3- 6GHz : >70dB**	Impedance: 50 ohm

* NEW COMPONETS CAN BE DEVELOPED AND ADDED UPON CUSTOMER REQUEST.
* THE ABOVE ISOLATION RESULT WAS MEASUERED WHEN THE CABLE IS NOT CONNECTED.
* DEPENDING ON I / O COMPONENTS, THE SHIELDING EFFECTIVENESS MAY VARY.

2. Antenna

ANTENNA			
Model	**FEATURE**	**ORDER NO** **DIMENSION (MM)**	**SPEC**
Standard horn (WR28) Antenna		**RTA-H400E** **32.0 (W) X 58.0 (D) X 24.0 (H)**	- Freq: 26.5~40GHz - WR28, UG-599/U Square cover Flange - Min Gain 16dBi - HPBW E - Plane: 27.7° H - Plane: 26.0°
RTA-H400E with RTW-RE00K		**RTA-H400E WITH RTW-RE00K**	- Freq: 26.5~40GHz - 2.92mm connector - Min Gain 16dBi - HPBW E - Plane: 27.7° H - Plane: 26.0
Dual Polarization horn (2.92mm, K-type) Antenna		**RTA-Q400K** **49.6 (W) X 49.6 (D) X 52.3 (H)**	- Freq: 24~40GHz - 2.92mm connector - Min Gain 16dBi - HPBW E - Plane: 27.7° H - Plane: 26.0
Standard horn (1.85mm, V-type) Antenna		**RTA-H600V** **23.0 (W) X 52.0 (D) X 22.6 (H)**	- Freq: 50~65GHz - 1.85mm connector - Typical Gain 18dBi - HPBW E - Plane: 18.7° H - Plane: 17.3

Wideband Spiral Antenna		**RTA-S101A** **120 (W) X 140 (D) X 14.7 (H)**	- Freq: 0.8~6GHz - VSWR <2.0 @ 0.8~6.0GHz
Wideband Spiral Antenna		**RA-S100** **100 (W) X 129.5 (D) X 5.7 (H)**	- Freq: 0.8~6GHz - VSWR <3.0 @ 0.8~1.7GHz <2.2 @ 1.7~6GHz, - Max Gain 3.4 @ 0.9GHz 4.2 @ 2.4GHz 4.7 @ 5.0GHz
Wideband Dipole array Antenna		**RTA-F100A** **100 (W) X 129.5 (D) X 5.7 (H)**	- Freq: 2.0~6GHz - VSWR <2.5 @ 2~6GHz - Max Gain 3.4 @ 2.4GHz 3.6 @ 3.7GHz 3.4 @ 5.0GHz
Wideband Vivaldi Antenna		**RTA-V100A** **98.0 (W) X 76.4 (D) X 6.5 (H)**	Freq: 0.7~6GHz VSWR <3.0 @ 0.7~2.0GHz <2.0 @ 2.0~6GHz, Max Gain 2.0 @ 0.9GHz 4.1 @ 2.4GHz 5.6 @ 5.0GHz
Small Vivaldi Antenna		**RA-S100** **74.4 (W) X 66.0 (D) X 6.5 (H)**	Freq: 2.4~6GHz VSWR <2.2 @ 2.4~6GHz, Max Gain 2.9 @ 0.9GHz 4.1 @ 2.4GHz 5.3 @ 5.0GHz

Roottek.co.kr

TEL: +82 70-5138-0370

FAX : +82 31-927-9201

e-mail : roottek@roottek.co.kr

** Specification of chamber can be updated without prior notice **