



BIP 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-5330/5331/5340 &Antenna)

RF Accessory

Contents

Products Intro	p.03
----------------	------

Shield box

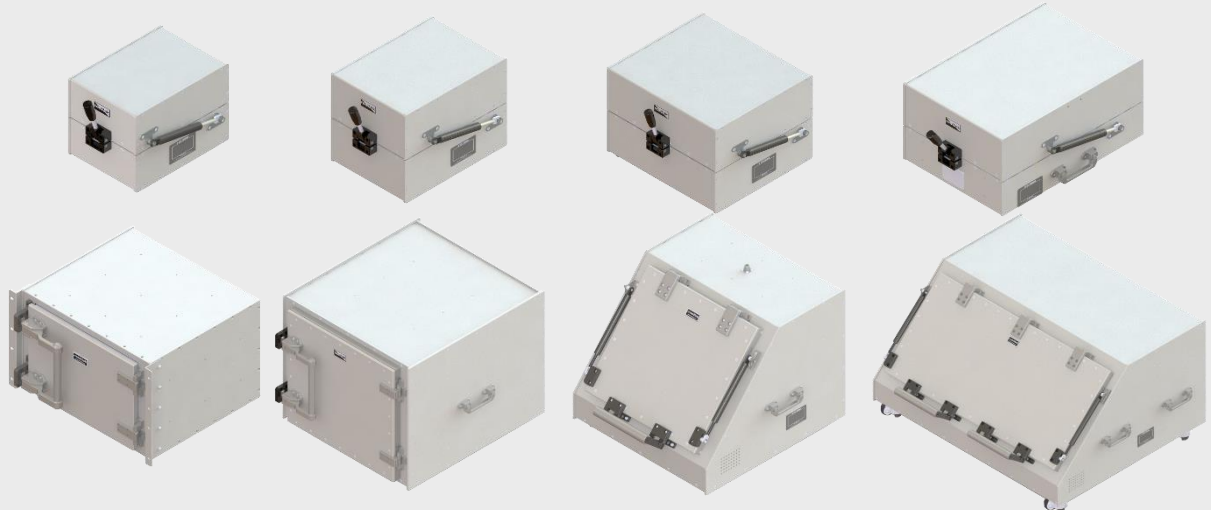
1. RT- 2121	p.04
2. RT- 2123	p.07
3. RT- 2124	p.10
4. RT- 2125	p.13
5. RT- 1330	p.16
6. RT- 1331	p.19
7. RT- 2330	p.22
8. RT- 2340	p.26
9. RT- 3130	p.30
10. RT- 3140	p.26
11. Pneumatic Shielding box	p.38
12. 5G shielding box (RT-5330/ 5331/ 5340 & optional antenna)	p.41

RF Accessory

1. I/O Components	p.56
2. Antenna	p.58

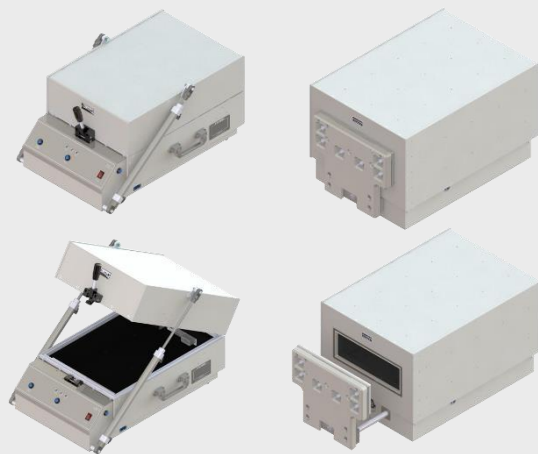
Product Introduction

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.

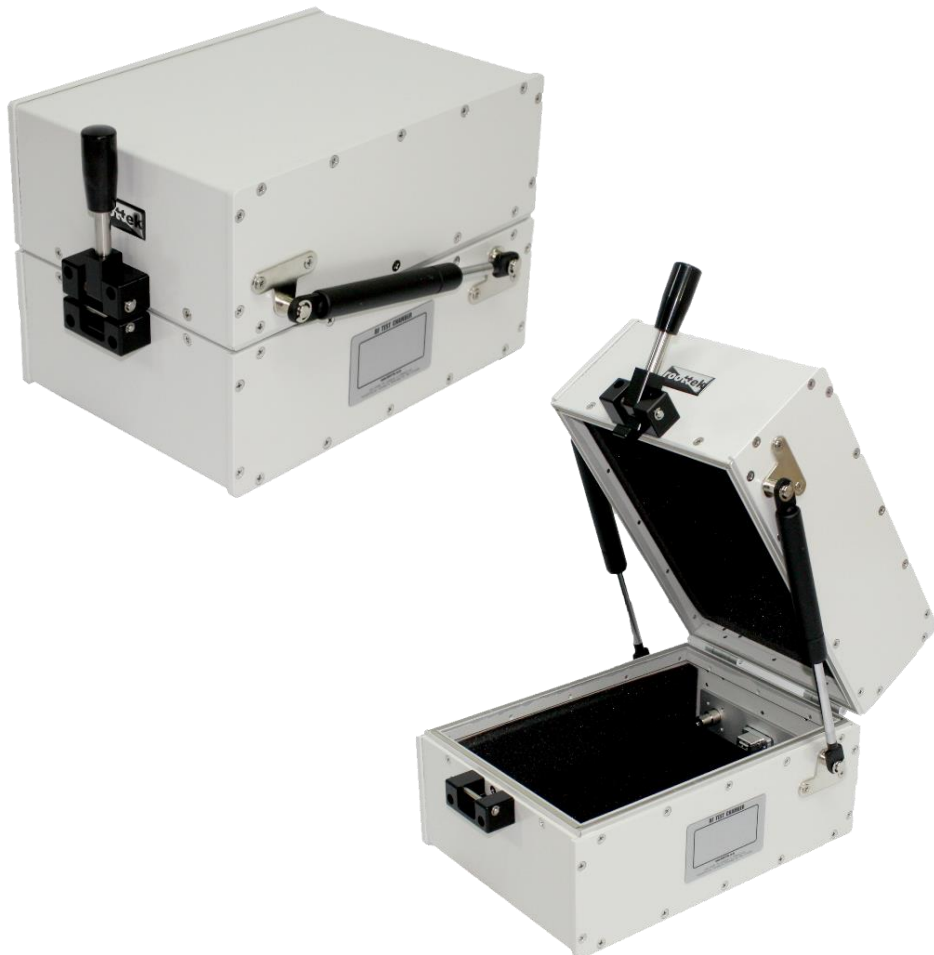
5G(mmwave) Products & others



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 Kg		
Packing Size	360	430	330
Packing Weight	Approx. 7.6 Kg		
Interface	I/O Panel : IB-Series		

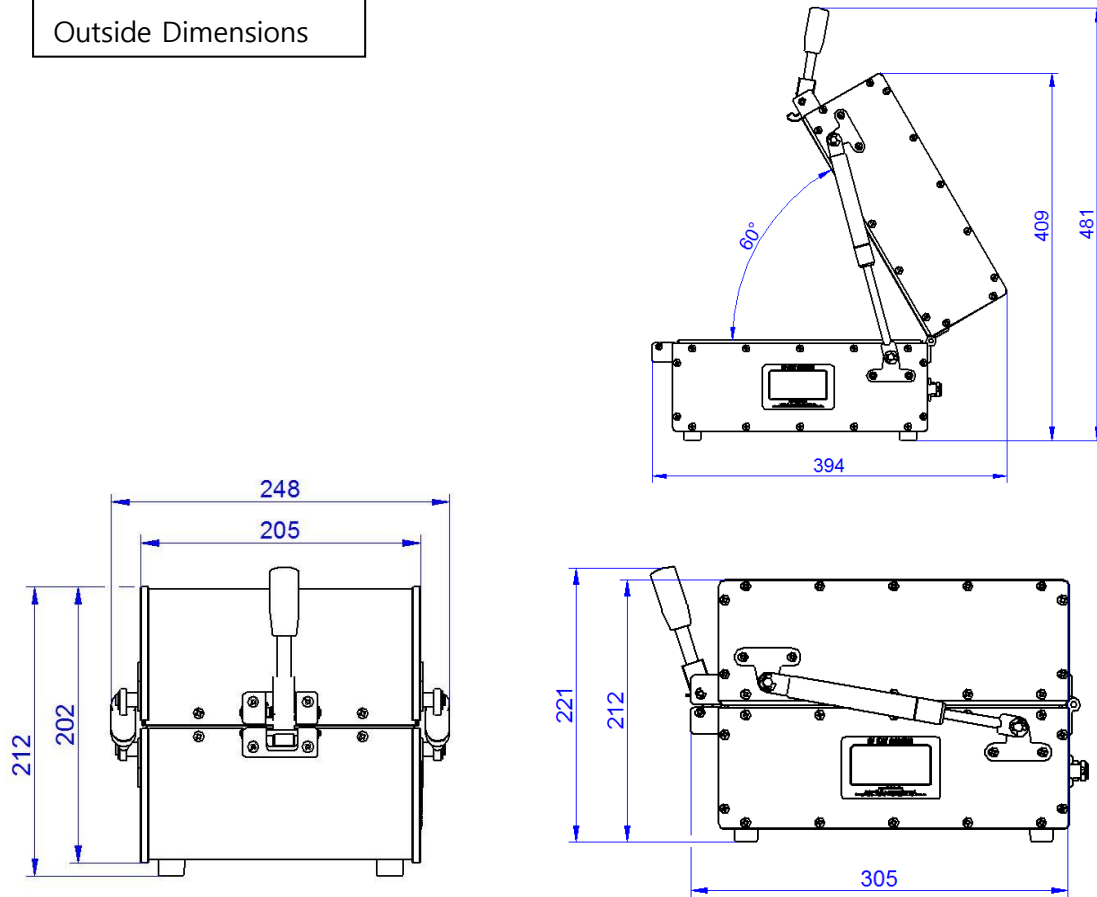
Shielding Effectiveness

Frequency – Unit : MHz	Shielding effectiveness – Unit : dB
100-3000	> 80
3000-6000	> 70
6000-18000 (optional)	> 70

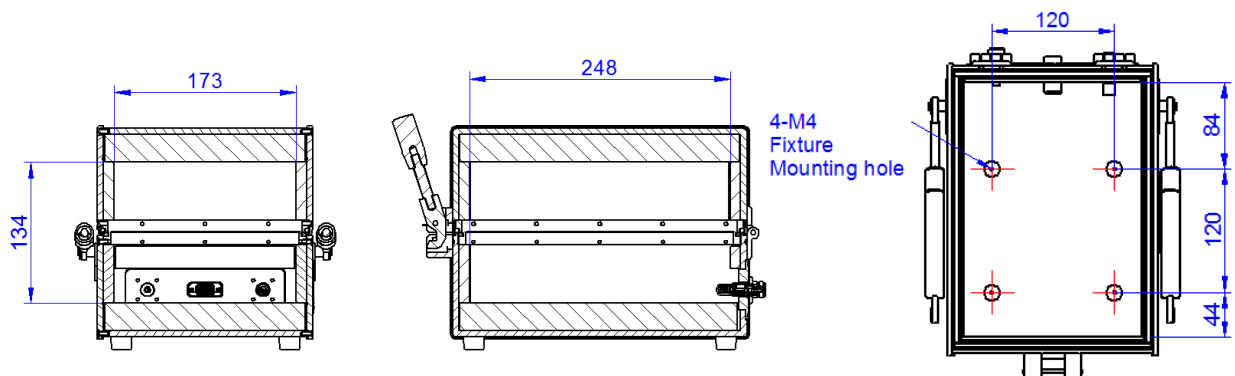
The shielding effectiveness in the above is measured when the blank I/O panel is attached.

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. 9 Kg		
Packing Size	450	530	330
Packing Weight	Approx. 11 Kg		
Interface	I/O Panel : IB-Series		

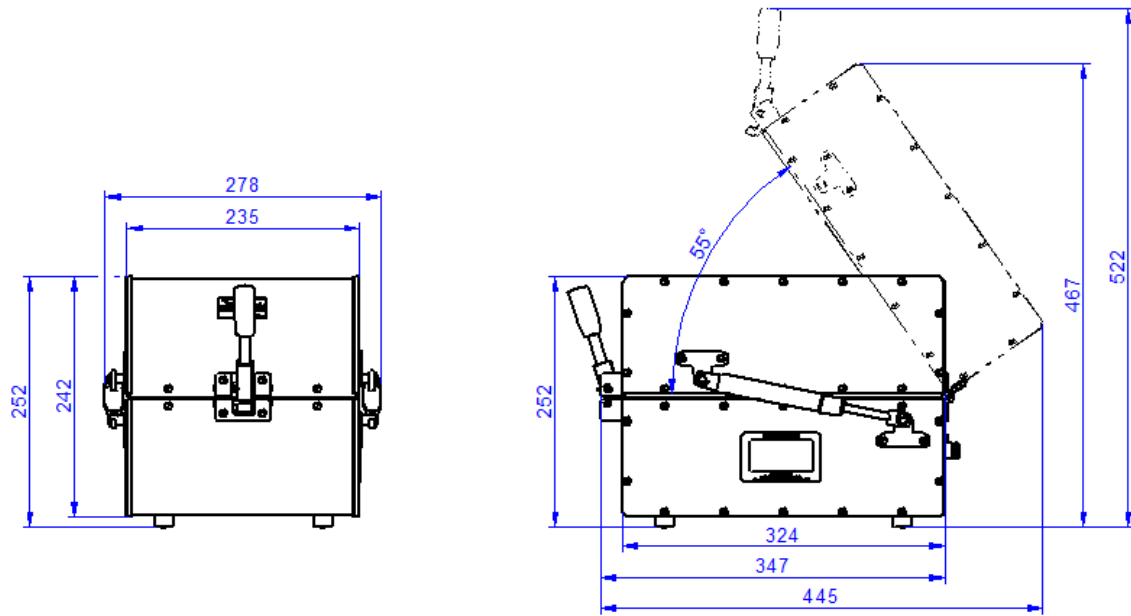
Shielding Effectiveness

Frequency – Unit : MHz	Shielding effectiveness – Unit : dB
100-3000	> 80
3000-6000	> 70
6000-18000 (optional)	> 70

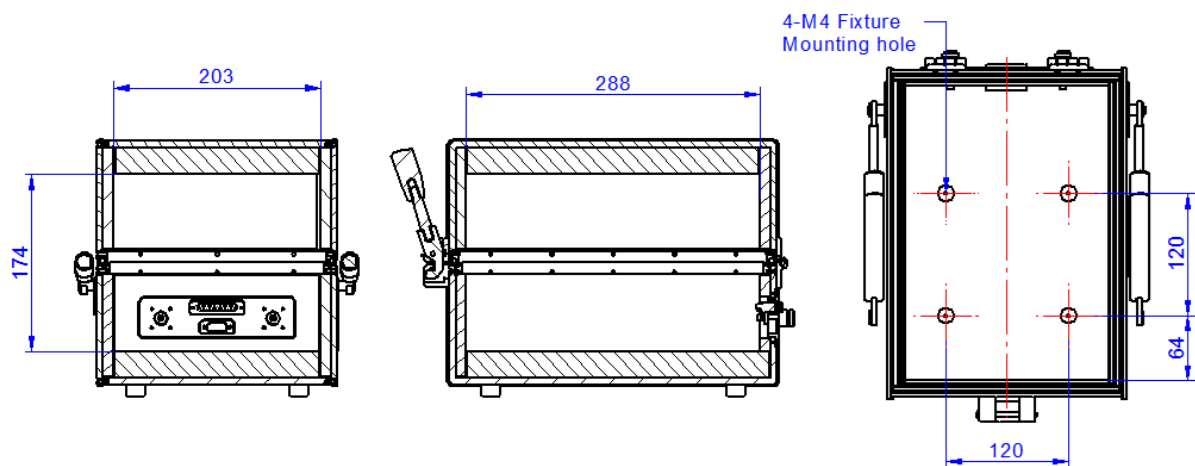
The shielding effectiveness in the above is measured when the blank I/O panel is attached.

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. 11 Kg		
Packing Size	530	450	330
Packing Weight	Approx. 13 Kg		
Interface	I/O Panel : IB-Series		

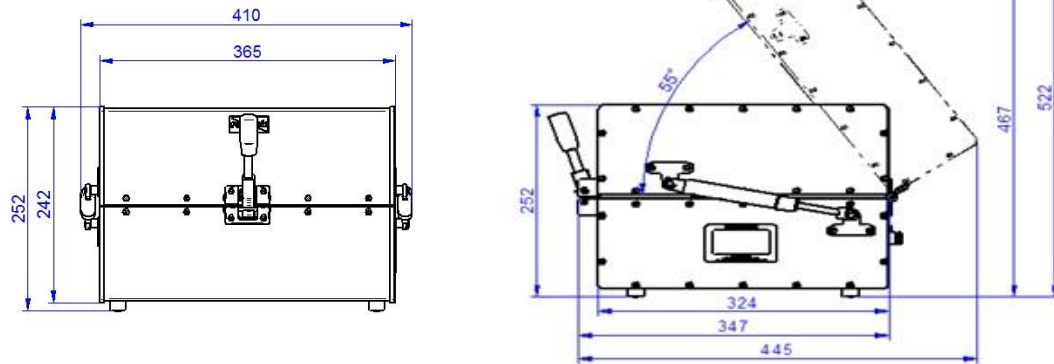
Shielding Effectiveness

Frequency – Unit : MHz	Shielding effectiveness – Unit : dB
100-3000	> 80
3000-6000	> 70
6000-18000 (optional)	> 70

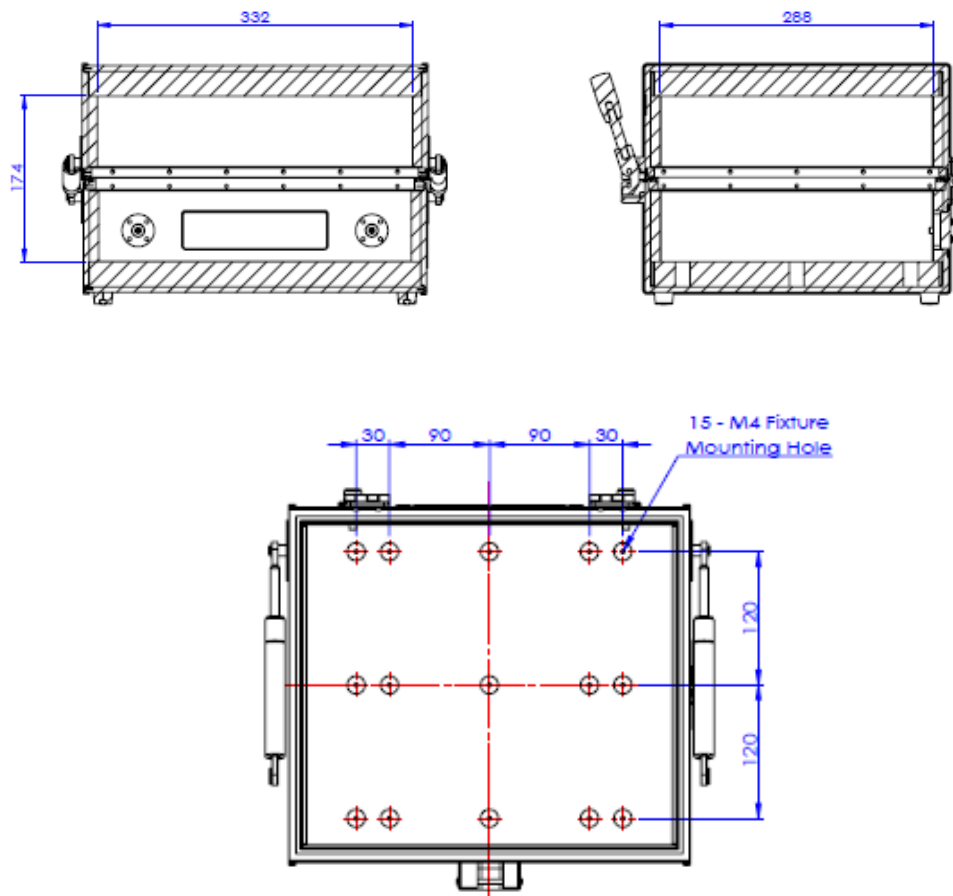
The shielding effectiveness in the above is measured when the blank I/O panel is attached.

3. Dimensions

Outside Dimensions

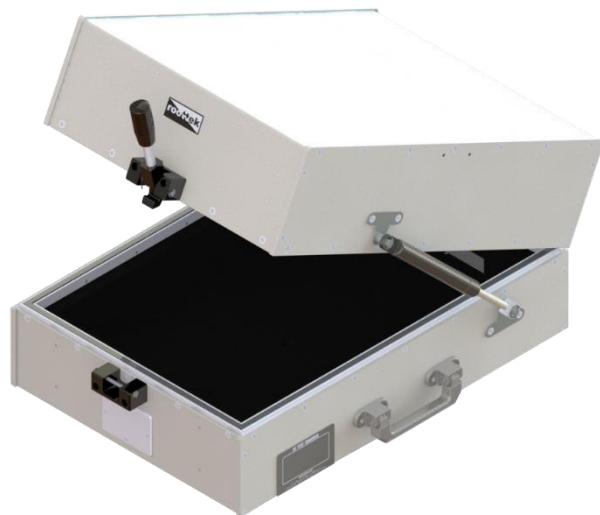


Inside Dimensions



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. 18 Kg		
Packing Size	530	585	330
Packing Weight	Approx. 22 Kg		
Interface	I/O Panel : IB-Series		

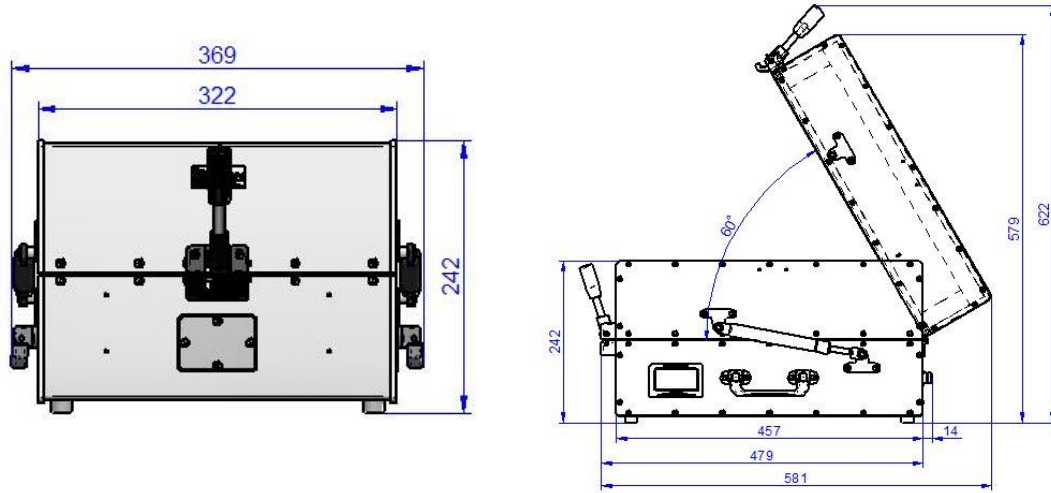
Shielding Effectiveness

Frequency – Unit : MHz	Shielding effectiveness – Unit : dB
100-3000	> 80
3000-6000	> 70
6000-18000 (optional)	> 70

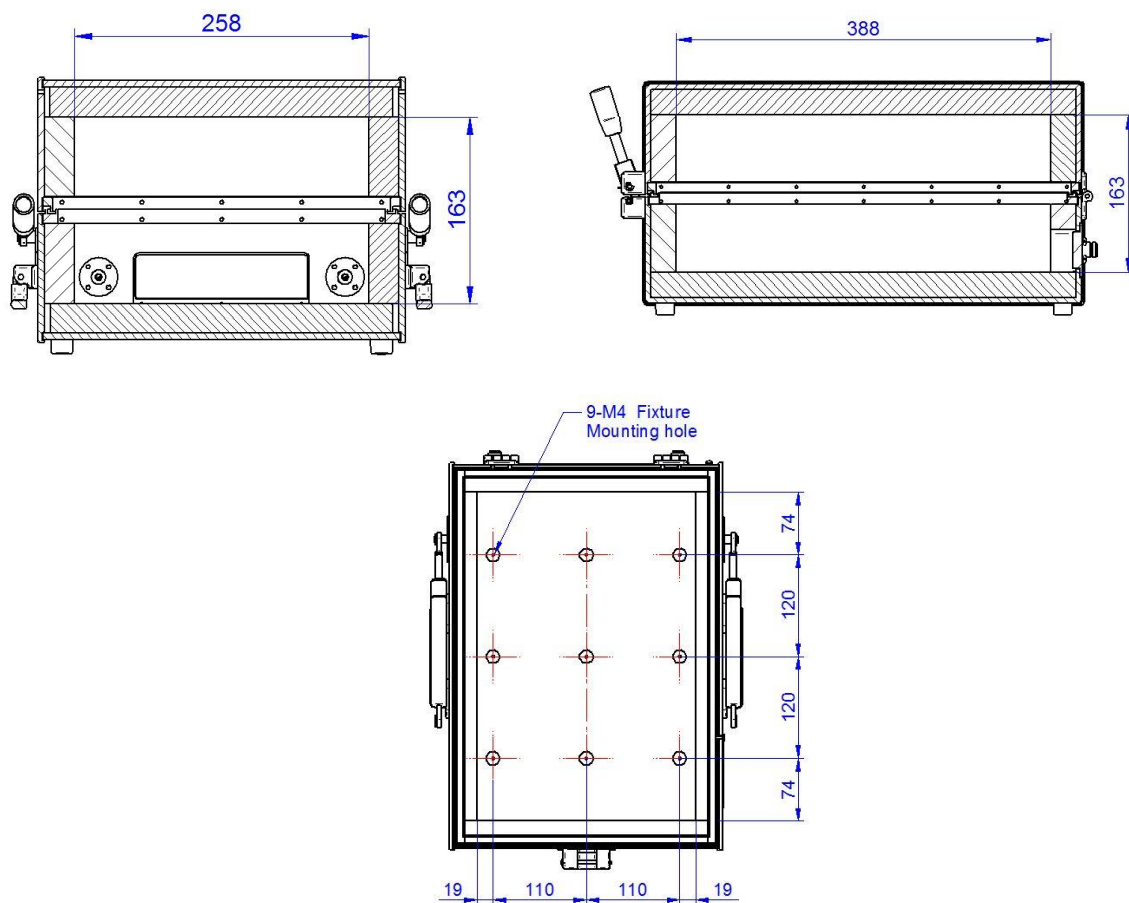
The shielding effectiveness in the above is measured when the blank I/O panel is attached.

3. Dimensions

Outside Dimensions

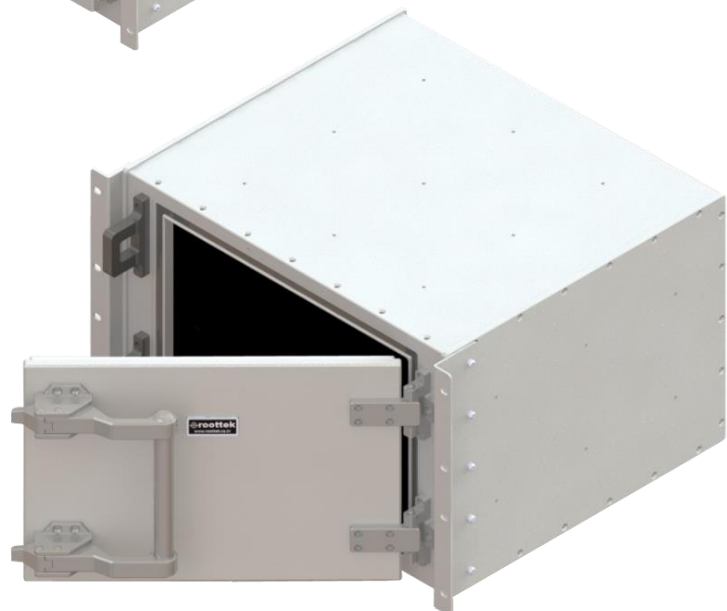


Inside Dimensions



RF TEST ENCLOSURE

RT-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

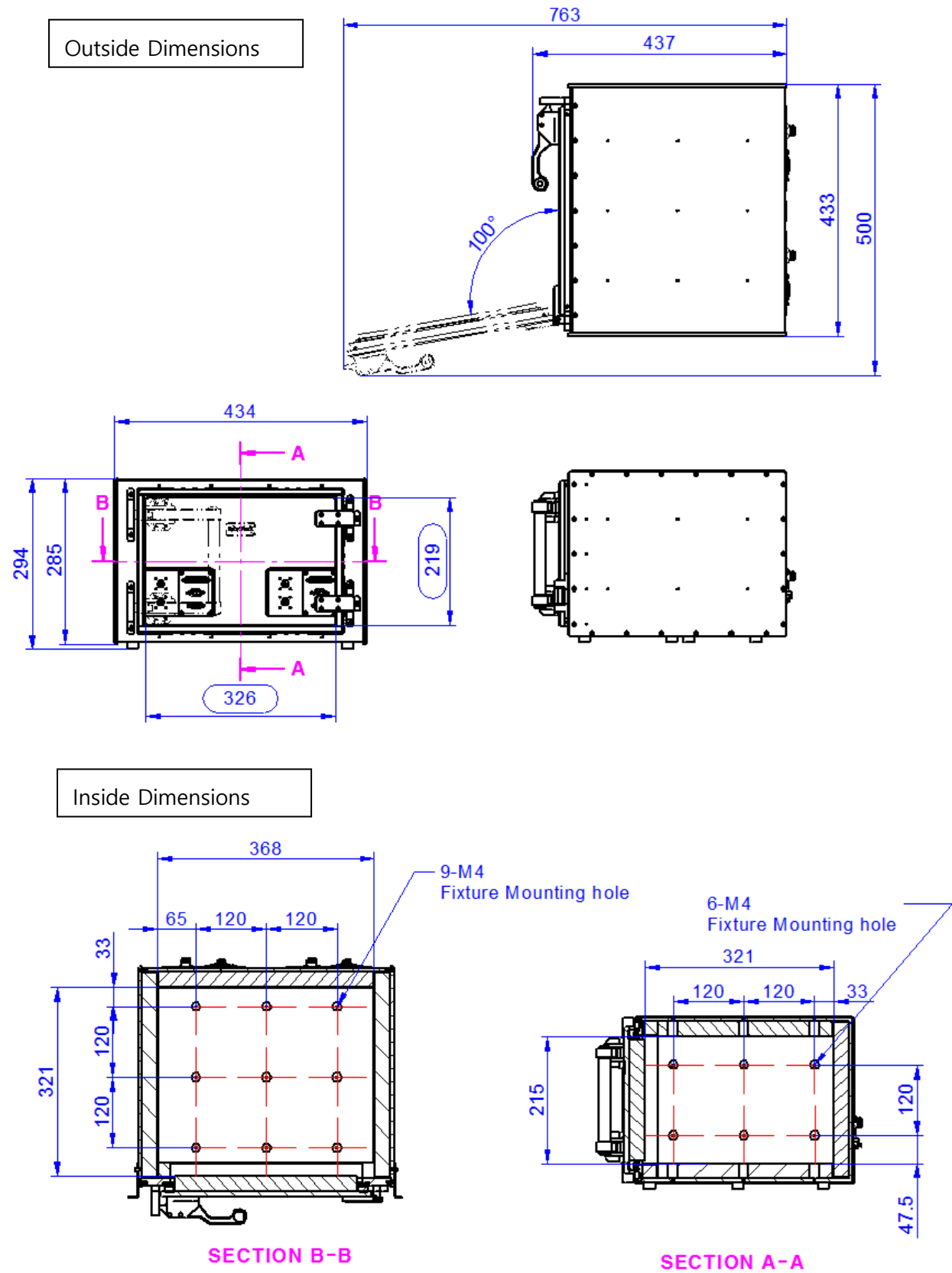
	W (mm)	D (mm)	H (mm)
Outer Size (Closed)	434	437	294
Outer Size (Opened)	500	763	294
Inner Size	368	321	215
Weight	Approx. 18.5 Kg		
Packing Size	530	585	385
Packing Weight	Approx. 22.5 Kg		
Interface	I/O Panel : IA-Series		

Shielding effectiveness

Frequency – Unit : MHz	Shielding effectiveness – Unit : dB
100-3000	> 80
3000-6000	> 70
6000-18000 (optional)	> 70

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

3. Dimensions



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. 34 Kg		
Packing Size	595	805	625
Packing Weight	Approx. 40 Kg		
Interface	I/O Panel : IA-Series		

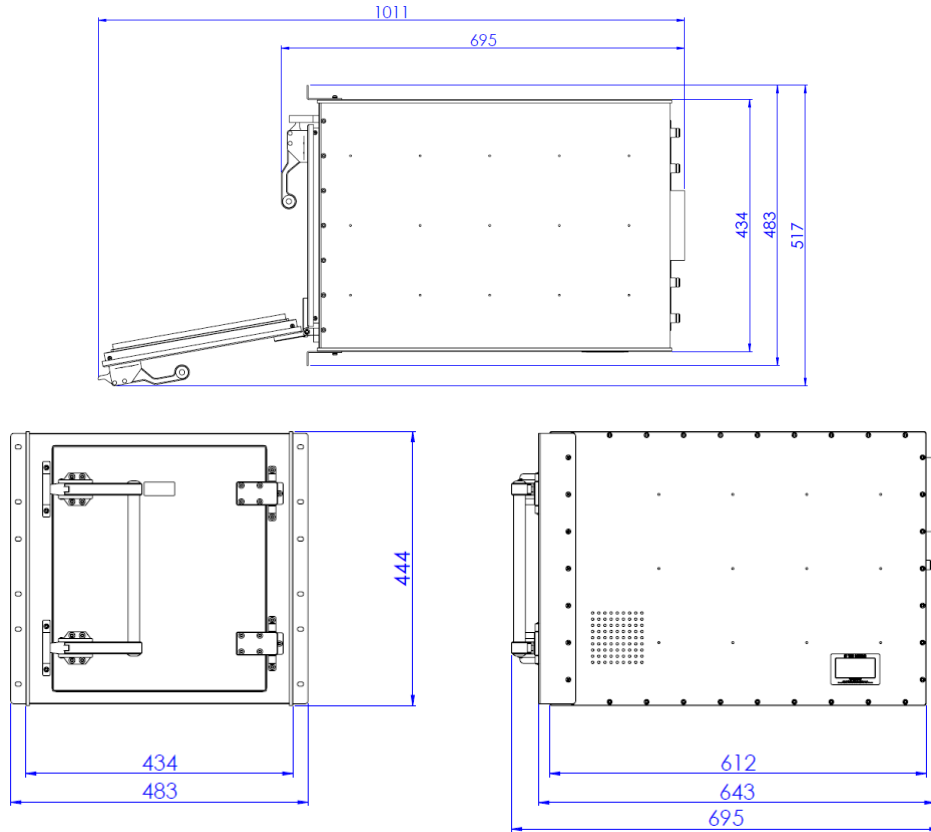
Shielding effectiveness

Frequency – Unit : MHz	Shielding effectiveness – Unit : dB
100-3000	> 80
3000-6000	> 70
6000-18000 (optional)	> 70

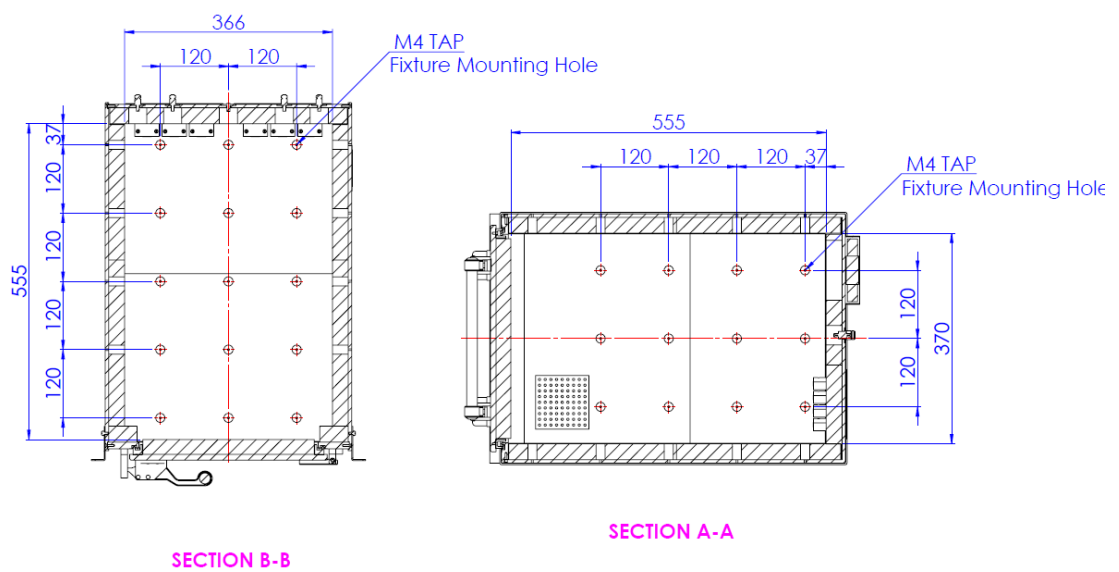
The shielding effectiveness in the above is measured when the blank I/O panel is attached.

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. 37 Kg		
Packing Size	595	805	625
Packing Weight	Approx. 44 Kg		
Interface	I/O Panel : IA-Series		

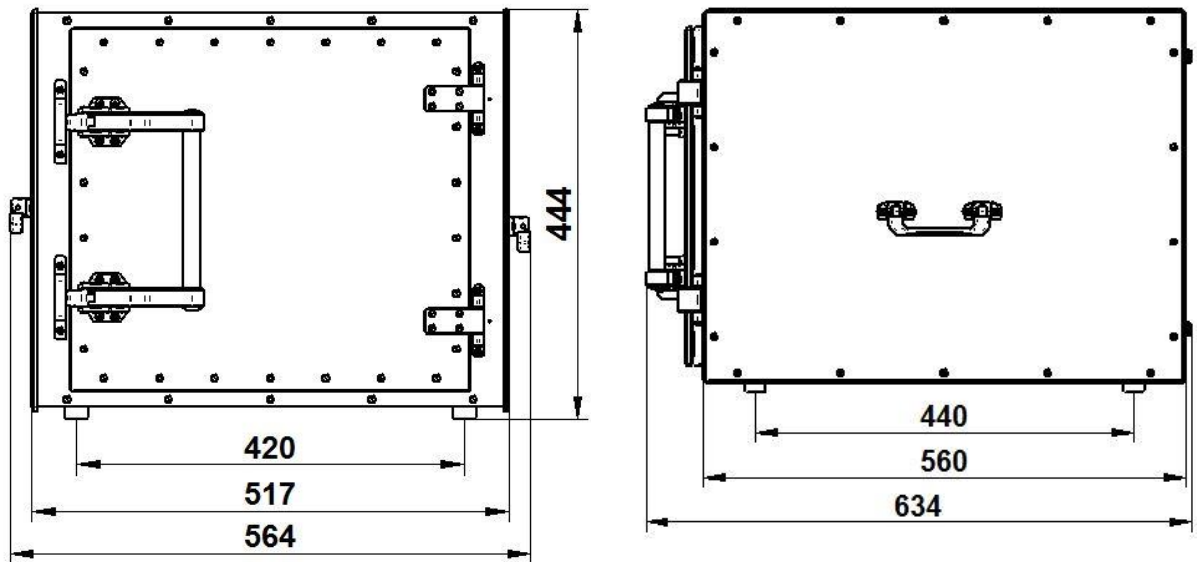
Shielding effectiveness

Frequency – Unit : MHz	Shielding effectiveness – Unit : dB
100-3000	> 80
3000-6000	> 70
6000-18000 (optional)	> 70

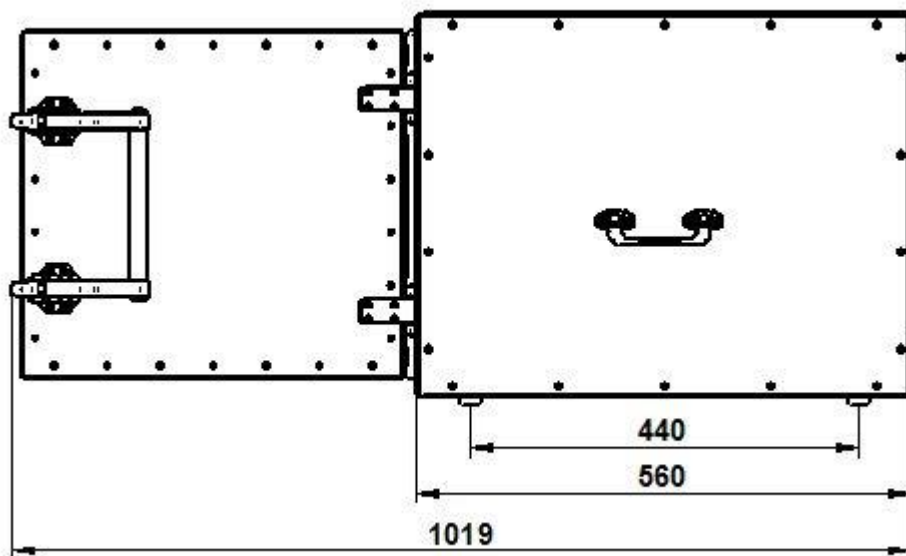
The shielding effectiveness in the above is measured when the blank I/O panel is attached.

3. Dimensions

Outside Dimensions

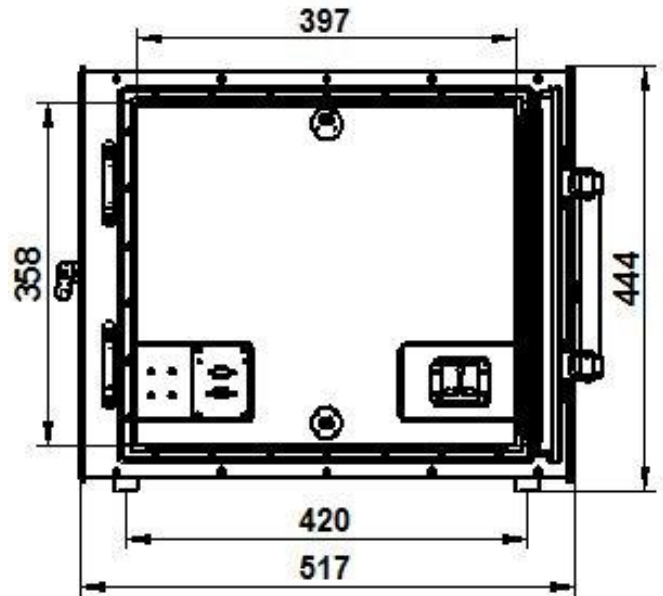
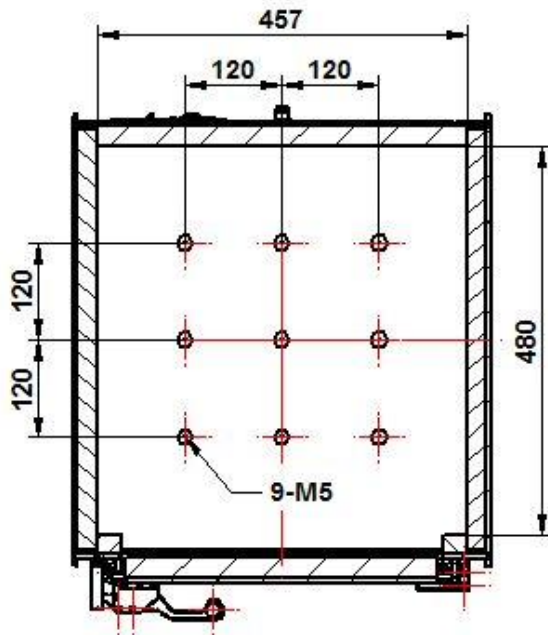


CLOSED



OPENED

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. 69 Kg		
Packing Size	1040	1030	760
Packing Weight	Approx. 83 Kg		
Interface	I/O Panel : IA-Series		

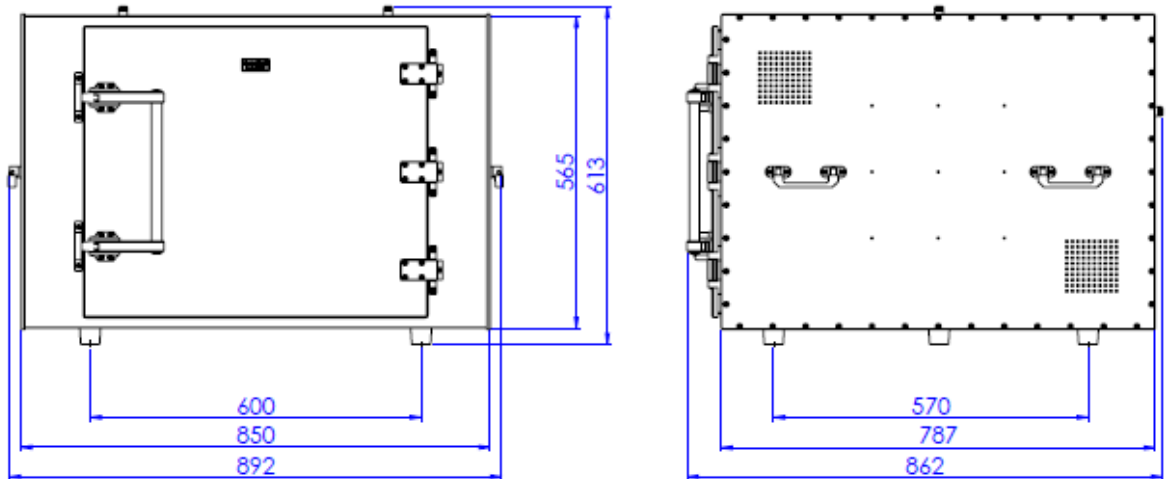
Shielding effectiveness

Frequency – Unit : MHz	Shielding effectiveness – Unit : dB
100-3000	> 80
3000-6000	> 70
6000-18000 (optional)	> 70

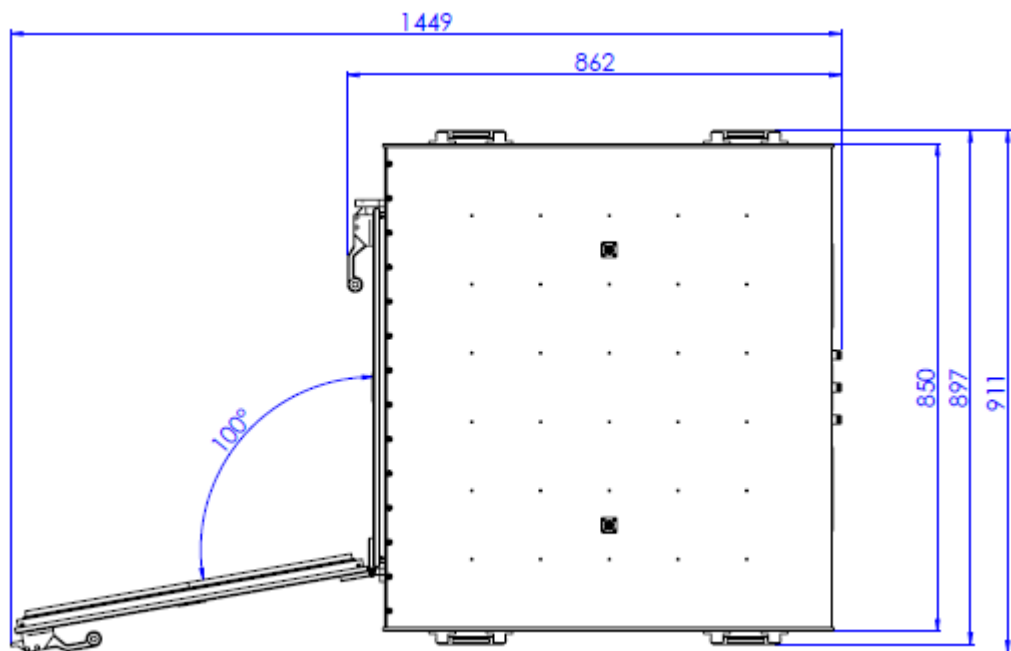
The shielding effectiveness in the above is measured when the blank I/O panel is attached.

3. Dimensions

Outside Dimensions

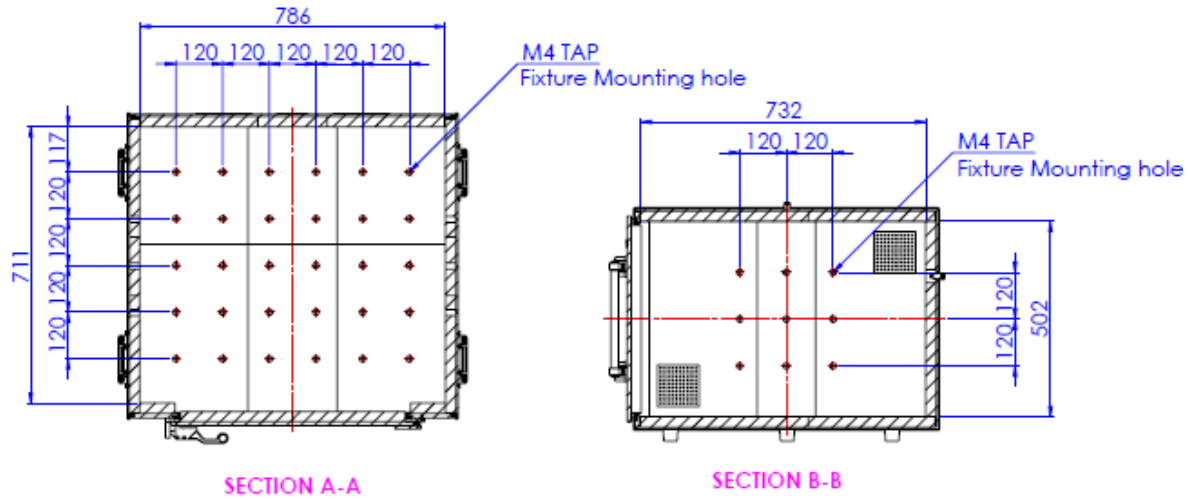


CLOSED



OPENED

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. 28 Kg		
Packing Size	595	805	625
Packing Weight	Approx. 35 Kg		
Interface	I/O Panel : IA-Series		

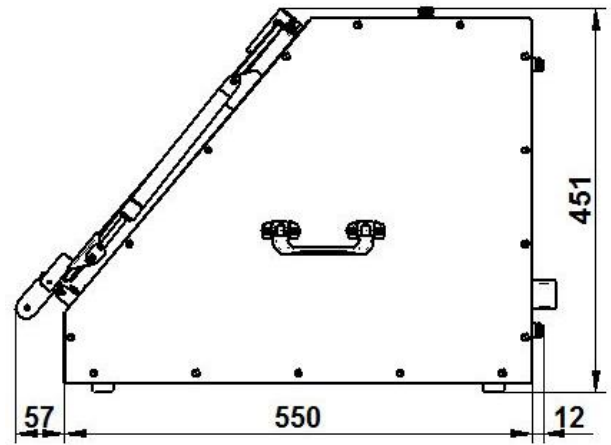
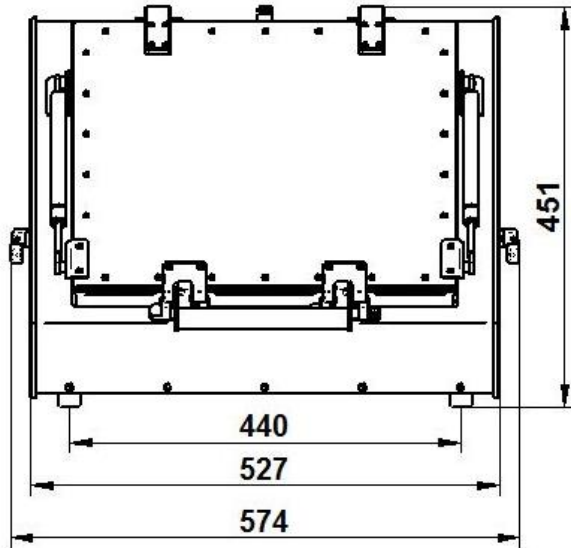
Shielding effectiveness

Frequency – Unit : MHz	Shielding effectiveness – Unit : dB
100-3000	> 80
3000-6000	> 70
6000-18000 (optional)	> 70

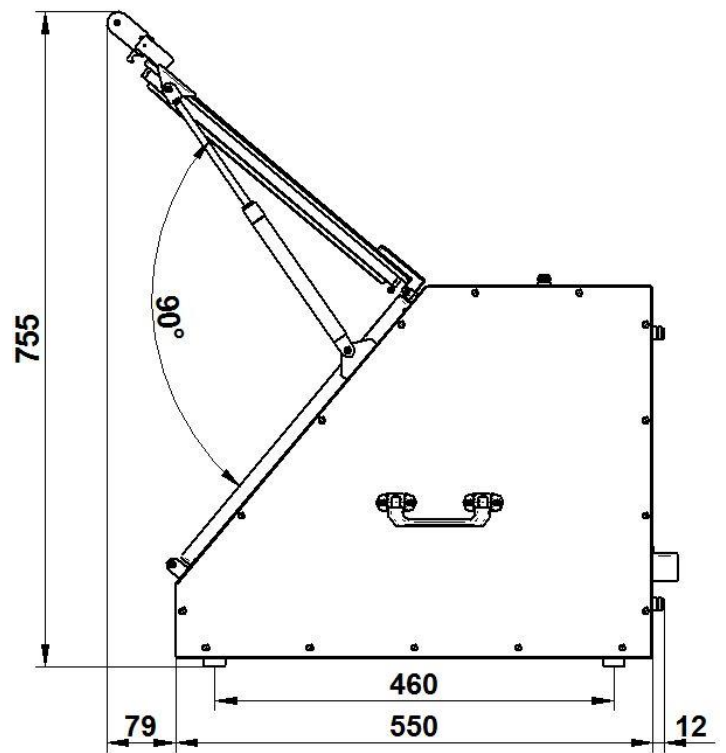
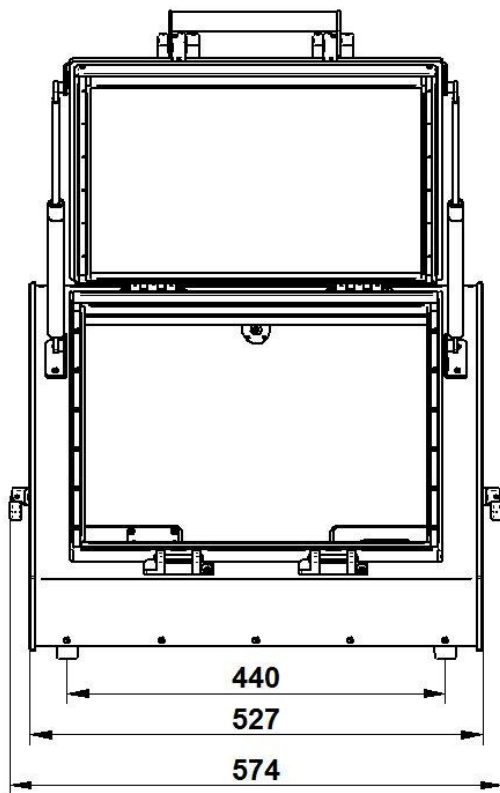
The shielding effectiveness in the above is measured when the blank I/O panel is attached.

3. Dimensions

Outside Dimensions

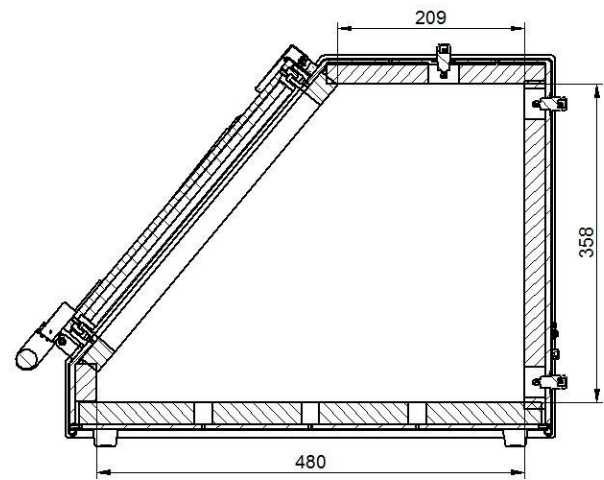
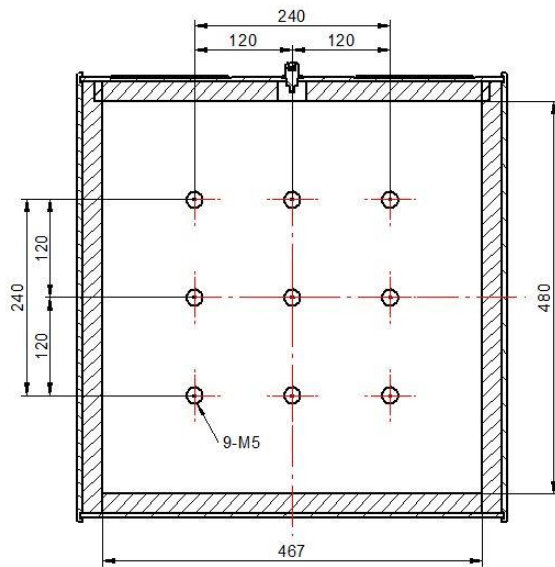


CLOSED



OPENED

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. 52Kg		
Packing Size	1100	950	600
Packing Weight	Approx. 66Kg		
Interface	I/O Panel : IA-Series		

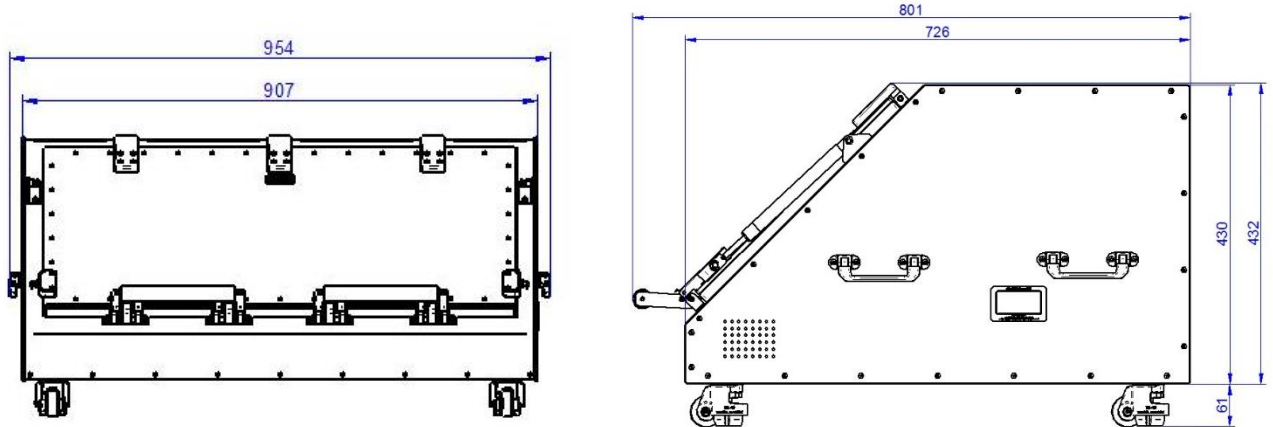
Shielding effectiveness

Frequency – Unit : MHz	Shielding effectiveness – Unit : dB
100-3000	> 80
3000-6000	> 70
6000-18000 (optional)	> 70

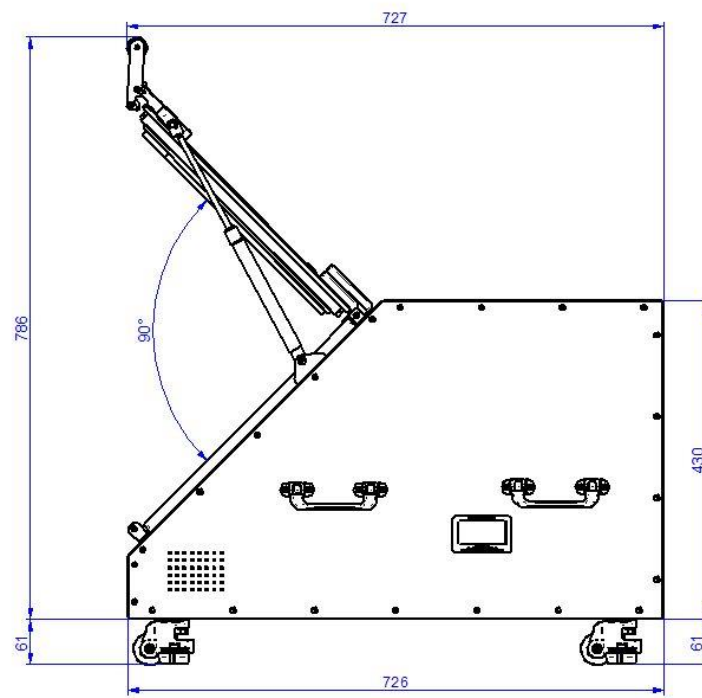
The shielding effectiveness in the above is measured when the blank I/O panel is attached.

3. Dimensions

Outside Dimensions

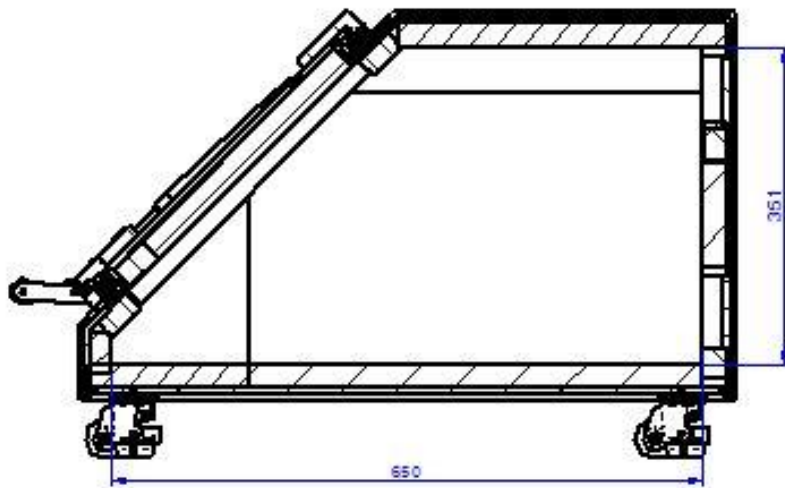
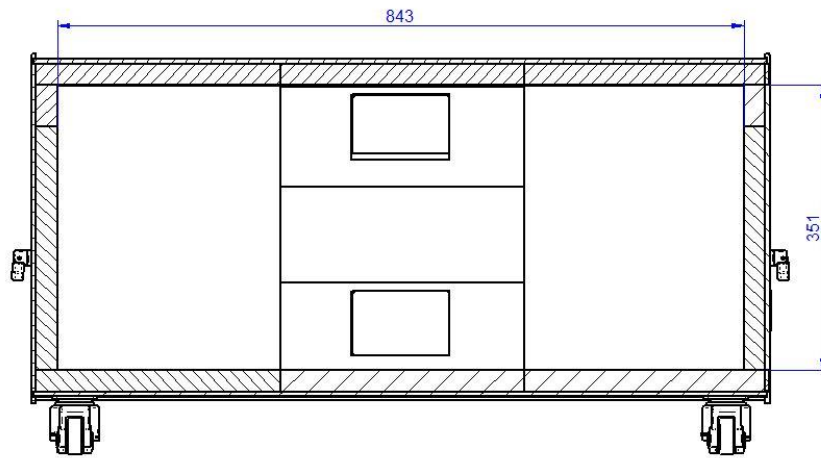


CLOSED



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
6000-18000 (optional)	>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.

mmwave (5G) shielding box



RF 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. 33 Kgf		
Packing Size	555	770	570
Packing Weight	Approx. 38 Kgf		
Interface	I/O Panel : IA-Series		

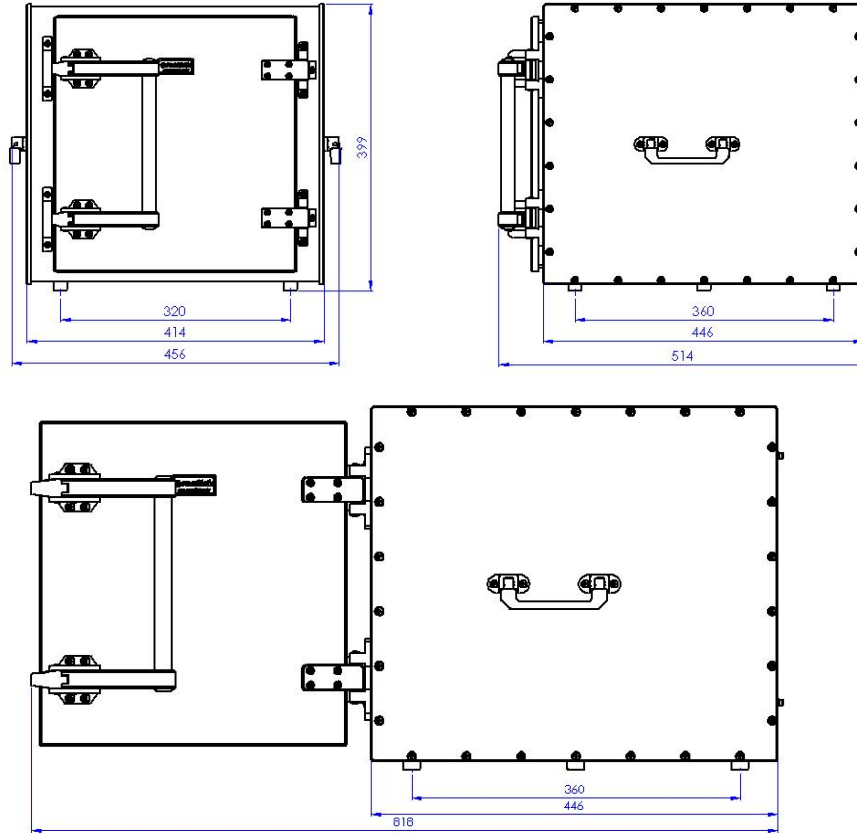
Shielding effectiveness

Frequency – Unit : GHz	Shielding effectiveness – Unit : dB
0.5 - 6	>80
6 - 40	>70
40~67 (optional)	>60

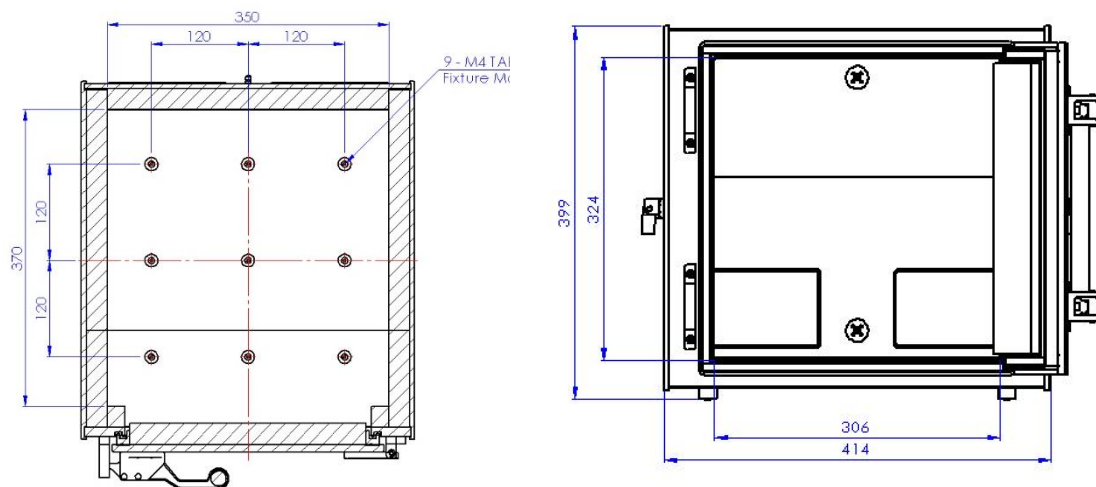
The shielding effectiveness in the above is measured when the blank I/O panel is attached.

3. Dimensions

Outside Dimensions



Inside Dimensions



RF TEST ENCLOSURE

RT-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. 18.5 Kgf		
Packing Size	585	530	385
Packing Weight	Approx. 22.5 Kgf		
Interface	I/O Panel : IA-Series		

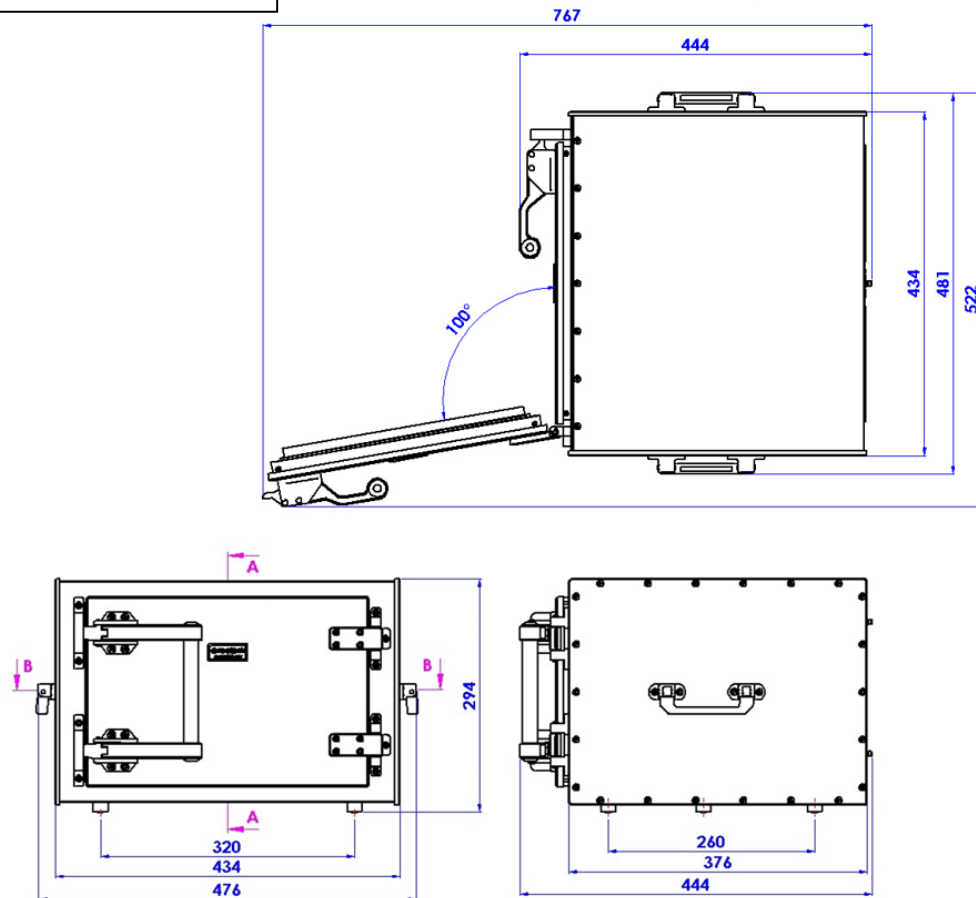
Shielding effectiveness

Frequency – Unit : GHz	Shielding effectiveness – Unit : dB
0.5 - 6	> 80
6 - 40	> 70
40 – 67 (optional)	> 60

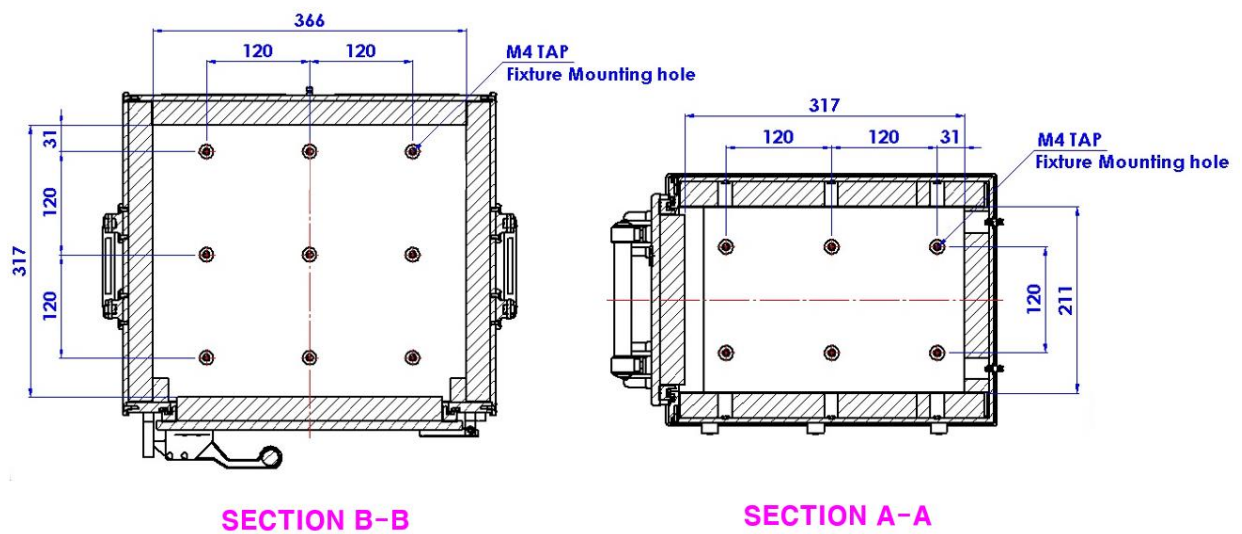
The shielding effectiveness in the above is measured when the blank I/O panel is attached.

3. Dimensions

Outside Dimensions



Inside Dimensions



RF TEST ENCLOSURE

RT-5340



1. Main features

RT-5340 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) and 1x top antenna interface panel
- 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)	874	905	715
Outer Size (Opened)	1482	905	715
Inner Size	760	761	670
Weight	Approx. 60 Kgf		
Packing Size	1020	1150	915
Packing Weight	Approx. 75 Kgf		
Interface	I/O Panel : IA-Series		

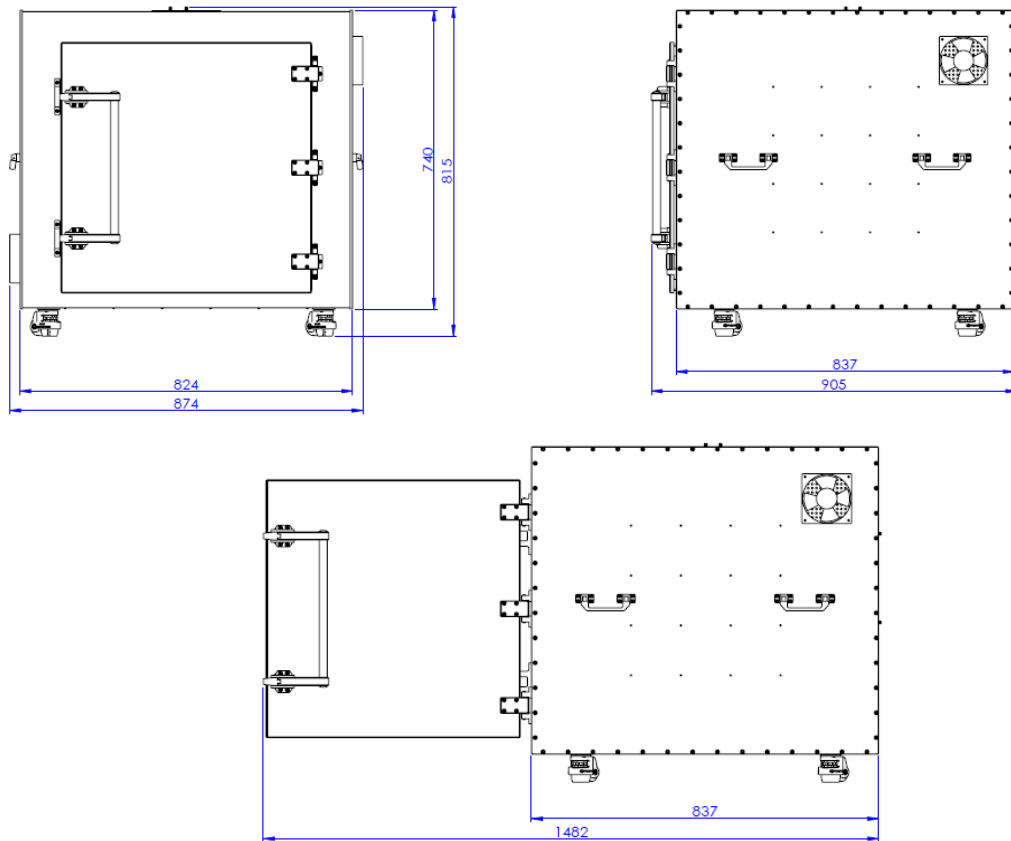
Shielding effectiveness

Frequency – Unit : GHz	Shielding effectiveness – Unit : dB
0.5 - 6	>80
6 - 40	>70
40~67 (optional)	>60

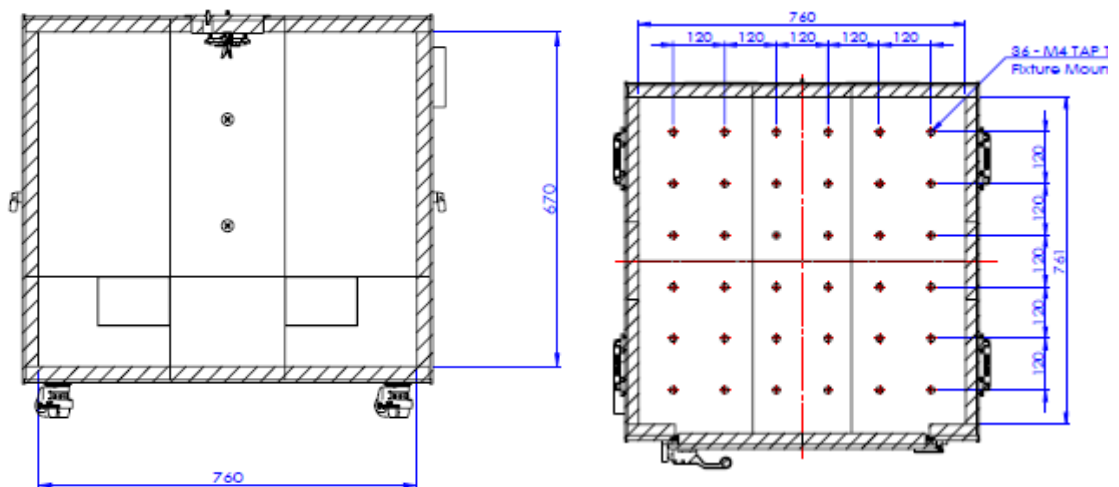
The shielding effectiveness in the above is measured when the blank I/O panel is attached.

3. Dimensions

Outside Dimensions



Inside Dimensions

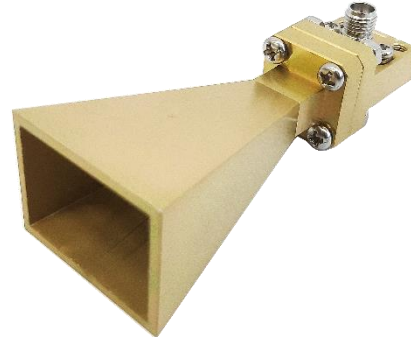


4-1 . Optional antenna

Product Feature

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

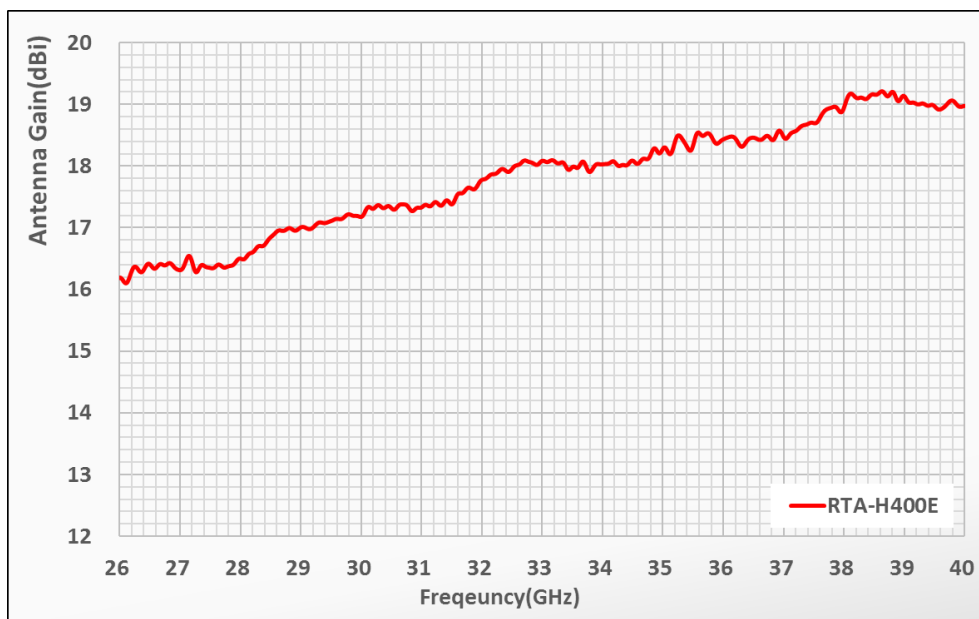
RTA-H400K



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	WR-28, UG-599/U Square Cover Flange	-	
HPBW	E - Plane: 27.7° H - Plane: 26.0°	degree	Simulated results @ 28GHz

Measurement Data



4-2 . Optional antenna #2

Product Feature

- Wide band Antenna
- Dual Polarization
- Directional Antenna

RTA-Q400K

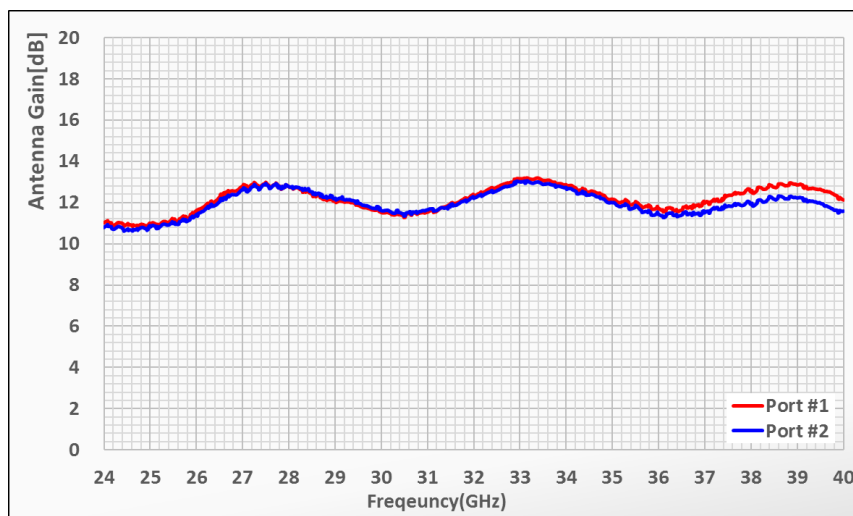


Specification

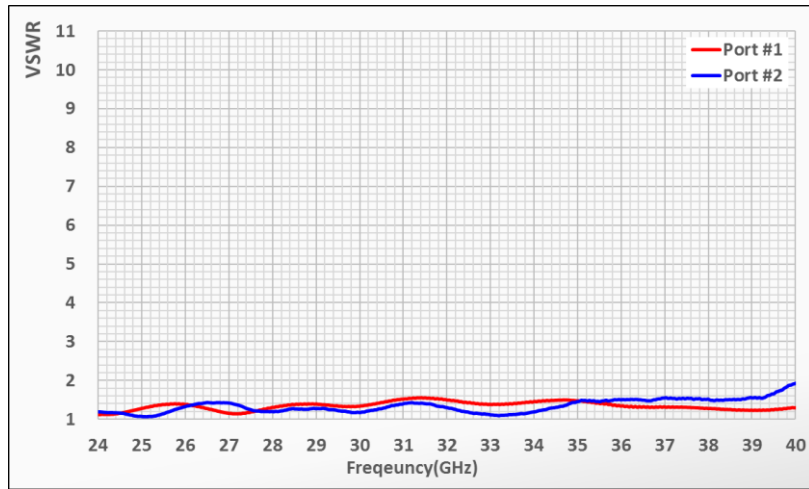
Parameter	Value	Unit	Description
Frequency	24 ~ 40	GHz	
Gain	12	dB	Typical
VSWR	< 2.2 @ 24 ~ 40 GHz	-	
Cross Pol. Isolation	> 20dB		
Cross Port Isolation	> 20dB		
Dimension	49.6(W) X 49.6(D) X 52.3mm (H)	mm	Included connector
Interface	2.92mm(K-Type) Connector	-	Female

Measurement Data

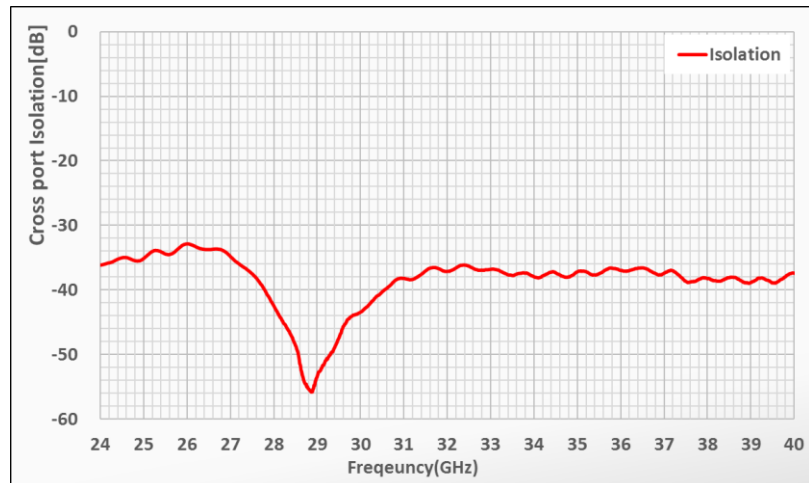
1. Antenna Gain



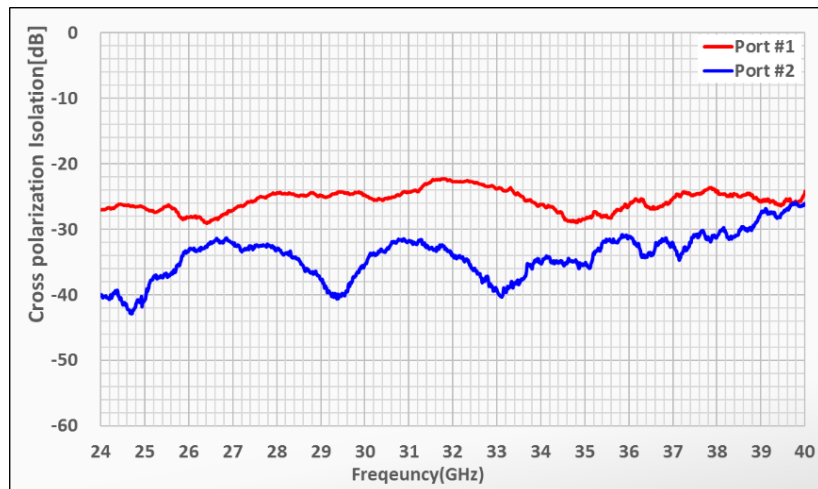
2. Antenna VSWR



3. Cross Port Isolation



4. Cross Polarization Isolation



4-3 . Optional antenna #3

Product Feature

- 1.85mm(V) Connector Interface
- 50GHz to 65GHz
- Minimum 17dBi Gain

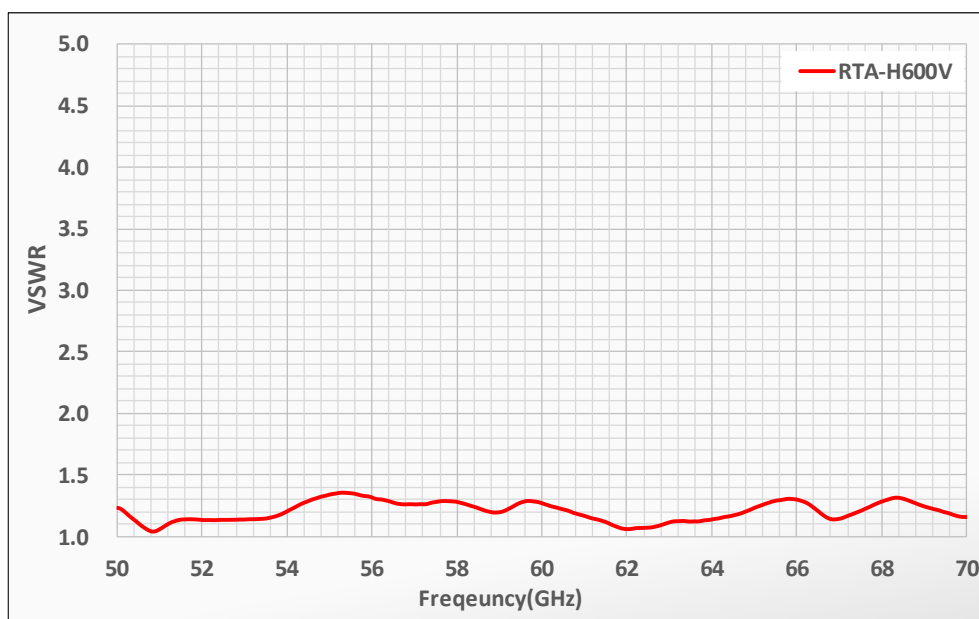
RTA-H600V

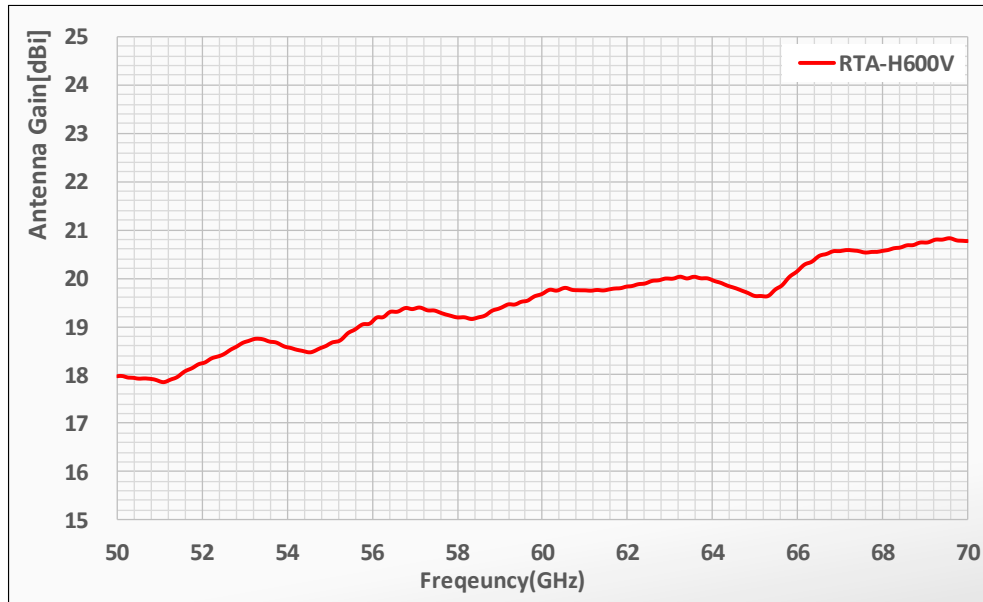


Specification

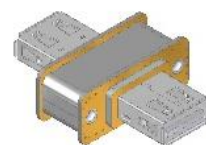
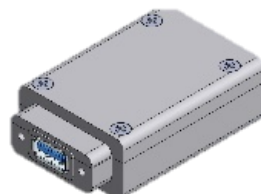
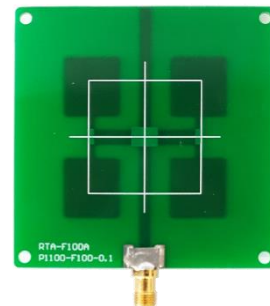
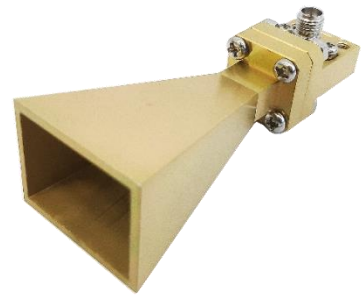
Parameter	Value	Unit	Description
Frequency	50 ~ 65	GHz	
Dimension	23.0mm(W) X 52.0mm(D) X 22.6mm (H)	mm	Included connector
Interface	1.85mm(V) Connector	-	Female
HPBW	E - Plane: 18.7° H - Plane: 17.3°	degree	Simulated results @ 60GHz

Measurement Data

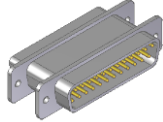
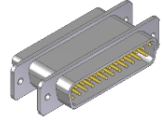
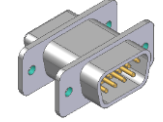
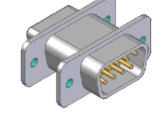
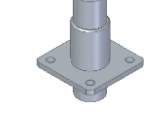


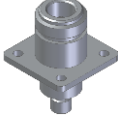


I/O Components & Accessory



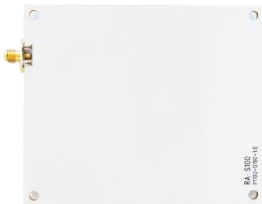
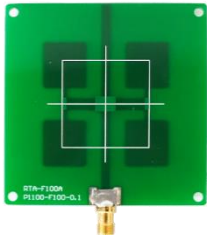
1. I/O Components 특성

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 6~67GHz: >60dB	Working Voltage: 100V Data Rate : 3Mbps Max 5A EMI Filter: 1000 pF Pi
	 C-DB25 100	0.5-2GHz : >60dB 2- 3GHz : >60dB 3- 7.5GHz : >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 6~67GHz: >60dB	Working Voltage: 100V Data Rate : 3Mbps Max 5A EMI Filter: 1000 pF Pi
	 C-DB9 100	0.5-2GHz : >60dB 2- 3GHz : >60dB 3- 7.5GHz : >50dB	Working Voltage: 100V Data Rate : 10Mbps Max 5A EMI Filter: 100 pF Pi
USB 2.0 FILTER	 C-USB 2.0-0-1.0	0.5-2GHz : >70dB 2- 3GHz : >70dB 3- 6GHz : >60dB 6~67GHz: >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 6~67GHz: >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 6~67GHz: >55dB	1 Gbit/s Copper-Line
DC FILTER	 C-DC 2.1	0.5-2GHz : >80dB 2- 3GHz : >70dB 3- 6GHz : >70dB 6~67GHz: >60dB	100VDC Max 5A

AC FILTER	 C-AC 1.0	0.5-2GHz : >70dB 2- 3GHz : >70dB 3- 6GHz : >60dB 6~67GHz: >60dB	Universal type Max 10A
RF CONNECTOR	 C-N-SMA 4H	0.5-2GHz : >80dB 2- 3GHz : >70dB 3- 7.5GHz : >70dB	Impedance: 50 ohm
	 C-SMA-SMA	0.5-2GHz : >80dB 2- 3GHz : >70dB 3- 7.5GHz : >70dB	Impedance: 50 ohm
	 C-2.92mm-2.92mm	0.5-2GHz : >80dB 2- 3GHz : >70dB 3- 6GHz : >70dB 6~40GHz: >70dB	Impedance: 50 ohm
	 C-2.4mm-2.4mm	0.5-2GHz : >80dB 2- 3GHz : >70dB 3- 6GHz : >70dB 6~50GHz: >70dB	Impedance: 50 ohm
	 C-1.85mm-1.85mm	0.5-2GHz : >80dB 2- 3GHz : >70dB 3- 6GHz : >70dB 6~67GHz: >70dB	Impedance: 50 ohm
* NEW COMPONENTS CAN BE DEVELOPED AND ADDED UPON CUSTOMER REQUEST. * THE ABOVE ISOLATION RESULT WAS MEASURED WHEN THE CABLE IS NOT CONNECTED. * DEPENDING ON I / O COMPONENTS, THE SHIELDING EFFECTIVENESS MAY VARY.			

2. Antenna

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

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

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 **