



TC-5570A mmWave Shield Box



Features

- Specifically designed for Millimeter wave test
- Reliable High RF Shielding from 26 GHz to 67 GHz
- EMI filters on all Data ports
- Easy Opening/Closing of Door
- Customizable Data connections



Specifications

Mechanical Specification

Dimension

Inside	803(W) x 762(D) x 644(H) mm
Outside	914(W) x 946(D) x 856(H) mm
Door	624(W) x 624(H) mm

Weight

75 kg

*Packing

Size	1100 (W) x 1100(D) x 1080(H) mm
Weight	approx. 90 kg

*The size or weight of a package may vary on how to pack a package.

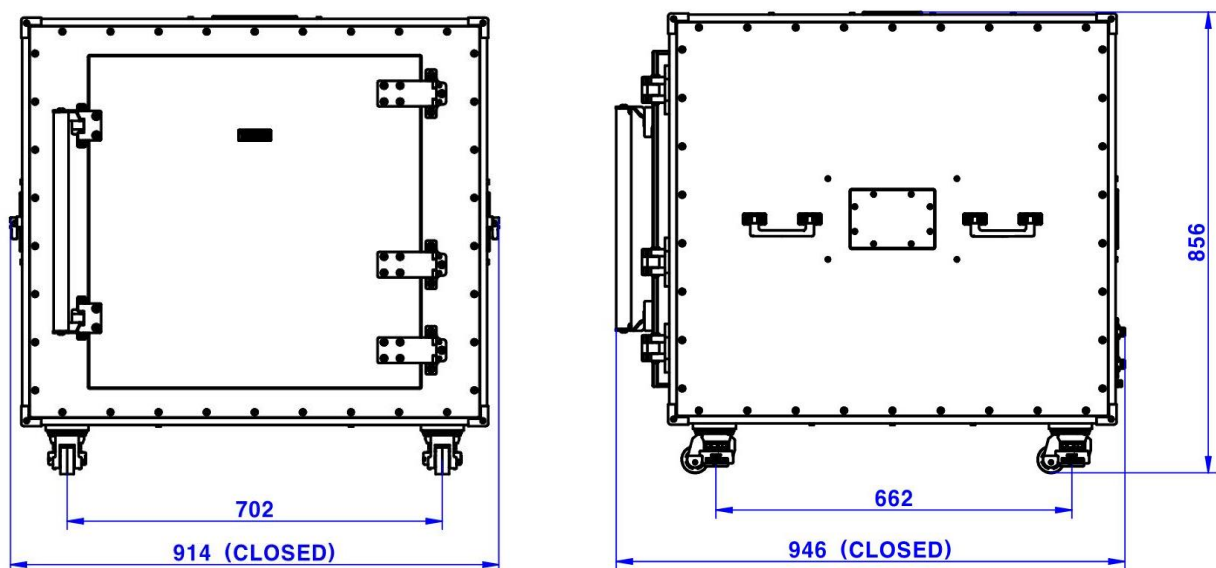
Typical RF Shielding

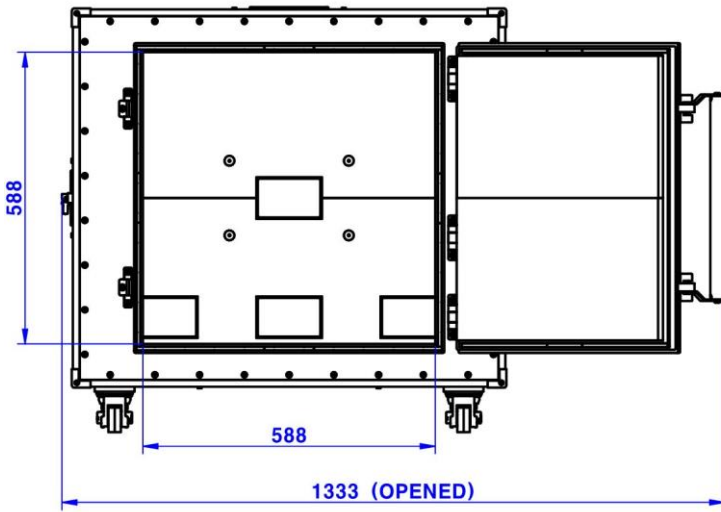
The shield effectiveness below is measured when the blank panel is mounted; other I/O interface panel results a different shielding effectiveness of the shield box.

26 to 40 GHz	> 60 dB
40 to 50 GHz	> 60 dB
50 to 67 GHz	> 60 dB

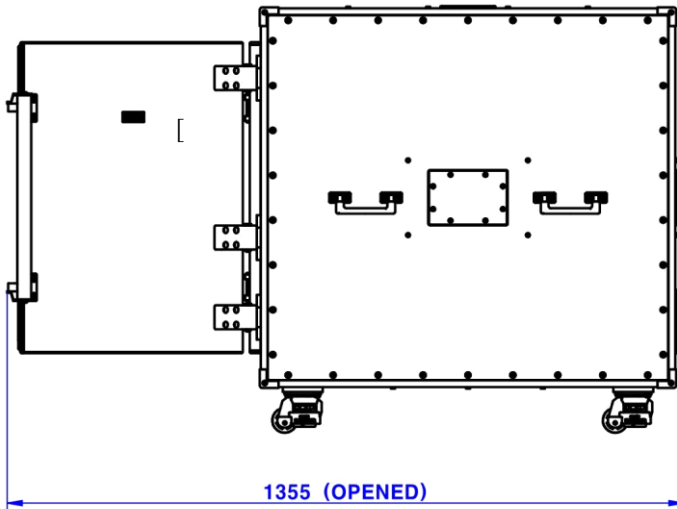
Dimensions

- TC-5570A Outside size : 914(W) x 946(D) x 856(H) mm

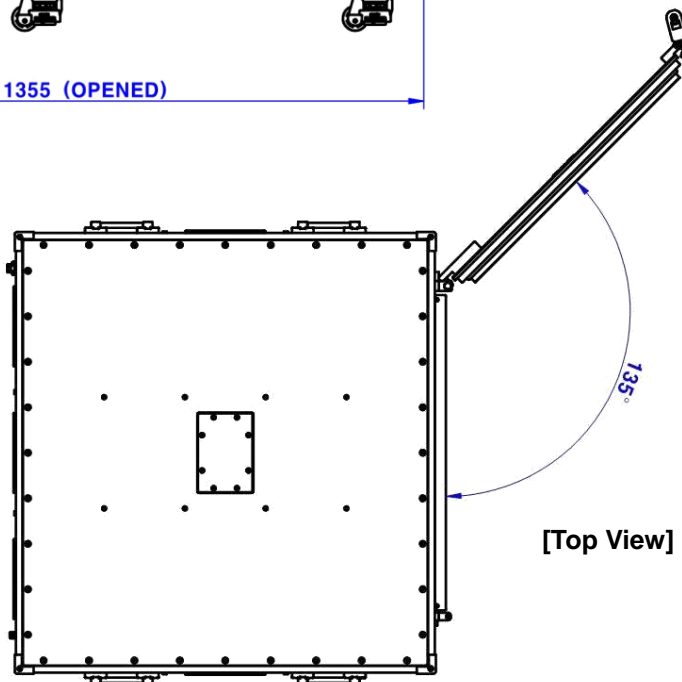




[Front View]

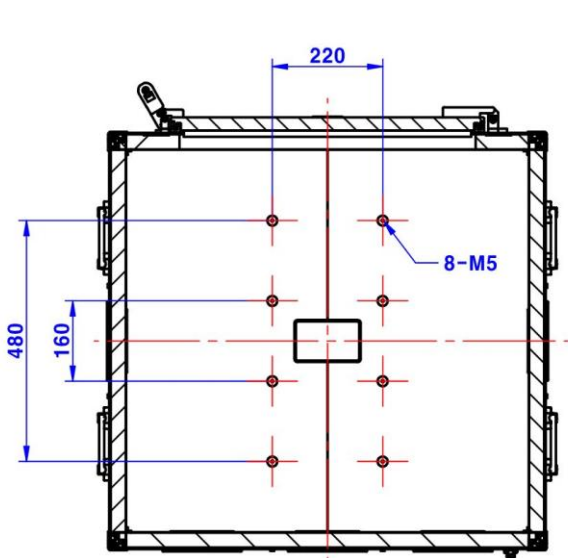


[Side View]

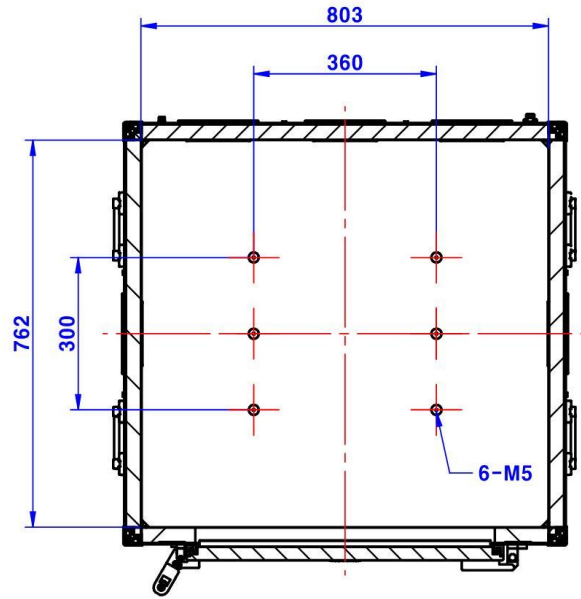


[Top View]

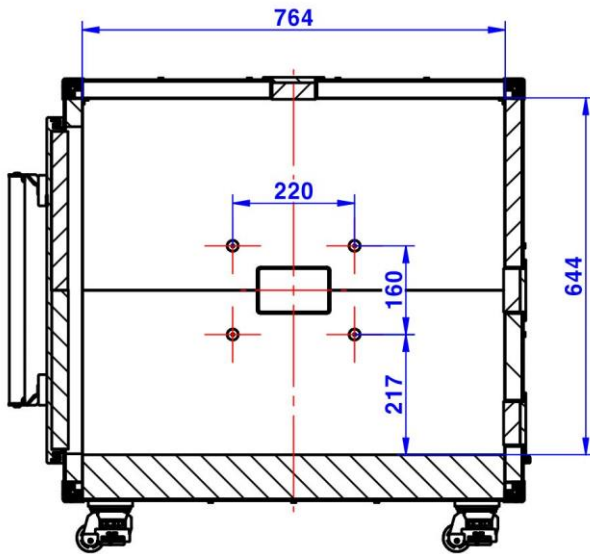
- TC-5570A Inside size : 803(W) x 762(D) x 644(H) mm



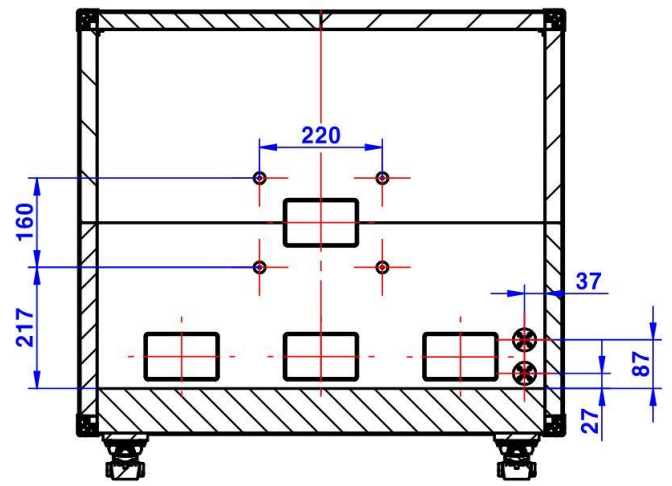
<Top View>



<Bottom View>



<Both Side View>






<Rear View>

Ordering Information

Order Number	Description
	Shield Box (including accessories bellow)
TC-5570A	Test Report




Pre-Configured I/O Interface Panel

I/O Interface Panel	Order Number	Configuration
 <p>Data Interface Panel</p>	M5970D01A	<ul style="list-style-type: none"> Shielding Effectiveness: > 60 dB from 26 to 67 GHz
 <p>Data Interface Panel</p>	M5570A01A	<ul style="list-style-type: none"> WR-28 Horn Antenna & 2.92mm Female Waveguide Shielding Effectiveness: > 60 dB from 26 to 67 GHz
 <p>Data Interface Panel</p>	M5570A03A	<ul style="list-style-type: none"> WR-15 Horn Antenna & 1.85mm Female Waveguide Shielding Effectiveness: > 60 dB from 26 to 67 GHz

I/O Interface

- Customized I/O Interface panels are available. Please contact Tescom sales team or your local distributor.

I/O Interface	Order Number	Typical Data Rate / Line Voltage	*Typical Shielding
 DB25, 1000pF pi Filter	3409-0009-1	3 Mbps / 100 VDC, 5 Amps max	>70 dB from 0.5 to 2 GHz >80 dB from 2 to 3 GHz >70 dB from 3 to 6 GHz
 DB25, 100pF pi Filter	3409-0014-1	10 Mbps / 100 VDC, 5 Amps max	>50 dB from 0.5 to 2 GHz >60 dB from 2 to 3 GHz >60 dB from 3 to 6 GHz
 DB9, 1000pF pi Filter	3409-0008-1	3 Mbps / 100 VDC, 5 Amps max	>70 dB from 0.5 to 2 GHz >80 dB from 2 to 3 GHz >70 dB from 3 to 6 GHz
 DB9, 100pF pi Filter	3409-0010-1	10 Mbps / 100 VDC, 5 Amps max	>70 dB from 0.5 to 2 GHz >80 dB from 2 to 3 GHz >70 dB from 3 to 6 GHz
 USB 2.0 Filter	3409-0018A-3	480 Mbps / 5 V, 500 mA	>60 dB from 0.5 to 2 GHz >70 dB from 2 to 3 GHz >70 dB from 3 to 6 GHz
 USB 3.0 Filter(Active)	3409-0042A-1	5000 Mbps/ 5V, 900 mA / Max Current: 1.5A	>70 dB from 0.5 to 2 GHz >70 dB from 2 to 3 GHz >55 dB from 3 to 6 GHz
 RJ-45 Filter	3409-0022A	250 Mbps	>60 dB from 0.5 to 2 GHz >70 dB from 2 to 3 GHz >70 dB from 3 to 6 GHz
 DC Power Adaptor	3406-0004A	50VDC, 3 Amps max	>70 dB from 0.5 to 2 GHz >80 dB from 2 to 3 GHz >80 dB from 3 to 6 GHz
 DC Power Adaptor, Banana Jack Type	3406-0005A 3406-0006A	50VDC, 10 Amps max	>70 dB from 0.5 to 2 GHz >80 dB from 2 to 3 GHz >80 dB from 3 to 6 GHz

	3103-0009A	250VAC, 7 Amps max	>70 dB from 0.5 to 2 GHz >80 dB from 2 to 3 GHz >80 dB from 3 to 6 GHz
AC Power Adaptor			
	3408-0038		>60 dB from 0.5 to 2 GHz >70 dB from 2 to 3 GHz >70 dB from 3 to 6 GHz
RF, N-SMA Connector			
	3408-0039		>60 dB from 0.5 to 2 GHz >70 dB from 2 to 3 GHz >70 dB from 3 to 6 GHz
RF, SMA-SMA Connector			

- Each shielding effectiveness is measured when each I/O interface panel, which is shown above, is mounted.
- Above data was measured by Tescom, The Shielding Effectiveness might be different based on the measuring method and condition.
- This data has been measured under the condition that the cables are not connected to each filters. When the cables are connected it can affect the shielding performance.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE