



**RAPTORX VHF/UHF BROADBAND NETWORKING RADIO SYSTEM**  
**EXTERNAL EQUIPMENT VIEWS**  
**FCC ID: 2ABCU-50739**  
**05/01/15**

- Figure 1: Front View RaptorX Network and Redundant Power Supply Shelves
- Figure 2: Top Isometric Right View of RaptorX Network and Redundant Power Supply Shelves
- Figure 3: Front Left Isometric View of Network and Redundant Power Supply Shelves
- Figure 4: Rear View of Power Supply and Redundant Network Shelves
- Figure 5: Isometric Rear View of Network and Redundant Power Supply Shelves
- Figure 6: Left Side View of Network and Redundant Power Supply Shelves
- Figure 7: Right side View of Network and Redundant Power Supply Shelves
- Figure 8: Front View of Redundant Power Shelf
- Figure 9: Isometric Top View of Redundant Power Supply
- Figure 10: Rear View of Redundant Power Supply
- Figure 11: Top View of Redundant Power Supply Shelf
- Figure 12: Bottom View of Redundant Power Shelf
- Figure 13: Right Side View of Redundant Power Shelf
- Figure 14: Rear View Redundant Power Supply
- Figure 15: Left Side of Redundant Power Shelf
- Figure 16: Front View Network Shelf
- Figure 17: Isometric Top View of Network Shelf
- Figure 18: Top View Network Shelf
- Figure 19: Bottom View Network Shelf
- Figure 20: Isometric Rear View of Network Shelf
- Figure 21: Rear View Network Shelf
- Figure 22: Right Side Network Shelf
- Figure 23: Left Side Network Shelf

**FIGURE 1: FRONT VIEW OF RAPTORX NETWORK AND REDUNDANT POWER SHELVES**

**FCC ID: 2ABCU-50739**



**Actual 1U Shelf Measurements including Lids**

1.725"  $\pm$  .025" H  
14.410"  $\pm$  .020" W  
16.830"  $\pm$  .020" L

The RaptorX VHF/UHF Broadband Network Radio and Redundant Power Unit are identical in size.



**PROPRIETARY INFORMATION**  
Metric Systems Corporation  
3055 Enterprise Court  
Vista, CA 92081

**FIGURE 2: TOP ISOMETRIC RIGHT VIEW OF RAPTORX NETWORK AND REDUNDANT POWER SHELVES**

**FCC ID: 2ABCU-50739**



**Actual 1U Shelf Measurements including Lids**

1.725"  $\pm$  .025" H

14.410"  $\pm$  .020" W

16.830"  $\pm$  .020" L

The RaptorX VHF/UHF Broadband Network Radio and Redundant Power Unit are identical in size.



**PROPRIETARY INFORMATION**  
Metric Systems Corporation  
3055 Enterprise Court  
Vista, CA 92081

**FIGURE 3: FRONT LEFT ISOMETRIC VIEW OF NETWORK AND REDUNDANT POWER SHELVES**

**FCC ID: 2ABCU-50739**



**Actual 1U Shelf Measurements including Lids**

1.725"  $\pm$  .025" H  
14.410"  $\pm$  .020" W  
16.830"  $\pm$  .020" L

The RaptorX VHF/UHF Broadband Network Radio and Redundant Power Unit are identical in size.



**PROPRIETARY INFORMATION**  
Metric Systems Corporation  
3055 Enterprise Court  
Vista, CA 92081



**FIGURE 4: REAR VIEW OF REDUNDANT POWER SHELF (BOTTOM) AND NETWORK SHELF (TOP)**

**FCC ID: 2ABCU-50739**



**Actual 1U Shelf Measurements including Lids**

**1.725"  $\pm$  .025" H**

**14.410"  $\pm$  .020" W**

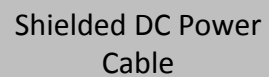
**16.830"  $\pm$  .020" L**

**The RaptorX VHF/UHF Broadband Network Radio and Redundant Power Unit are identical in size.**



**PROPRIETARY INFORMATION**  
**Metric Systems Corporation**  
**3055 Enterprise Court**  
**Vista, CA 92081**

**FCC ID: 2ABCU-50739**

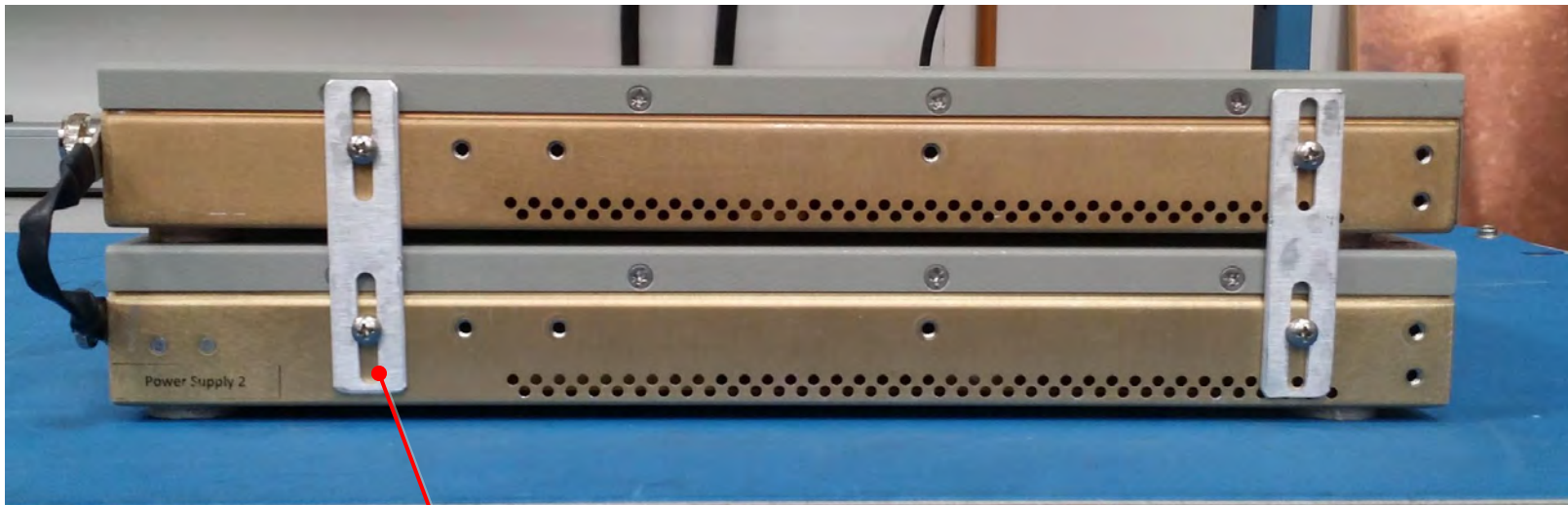


**The RaptorX VHF/UHF Broadband Network Radio and Redundant Power Unit are identical in size.**



**FIGURE 6: LEFT SIDE VIEW OF NETWORK AND REDUNDANT POWER SHELVES**

**FCC ID: 2ABCU-50739**



Aluminum straps used for test convenience only

**Actual 1U Shelf Measurements including Lids**

1.725"  $\pm$  .025" H  
14.410"  $\pm$  .020" W  
16.830"  $\pm$  .020" L

The RaptorX VHF/UHF Broadband Network Radio and Redundant Power Unit are identical in size.



**PROPRIETARY INFORMATION**  
Metric Systems Corporation  
3055 Enterprise Court  
Vista, CA 92081



FIGURE 7: RIGHT SIDE VIEW OF NETWORK SHELF AND REDUNDANT POWER SHELF

FCC ID: 2ABCU-50739



Aluminum straps used for test convenience only

**Actual 1U Shelf Measurements including Lids**

1.725"  $\pm$  .025" H  
14.410"  $\pm$  .020" W  
16.830"  $\pm$  .020" L

The RaptorX VHF/UHF Broadband Network Radio and Redundant Power Unit are identical in size.



**PROPRIETARY INFORMATION**  
Metric Systems Corporation  
3055 Enterprise Court  
Vista, CA 92081



**FIGURE 8: FRONT VIEW OF REDUNDANT POWER SHELF**

**FCC ID: 2ABCU-50739**



LED STATUS FIELD

**Actual 1U Shelf Measurements including Lids**

1.725"  $\pm$  .025" H  
14.410"  $\pm$  .020" W  
16.830"  $\pm$  .020" L

The RaptorX VHF/UHF Broadband Network Radio and Redundant Power Unit are identical in size.



**PROPRIETARY INFORMATION**  
Metric Systems Corporation  
3055 Enterprise Court  
Vista, CA 92081

**FIGURE 9: ISOMETRIC TOP VIEW OF REDUNDANT POWER SHELF**

**FCC ID: 2ABCU-50739**



**Actual 1U Shelf Measurements including Lids**

1.725"  $\pm$  .025" H  
14.410"  $\pm$  .020" W  
16.830"  $\pm$  .020" L

The RaptorX VHF/UHF Broadband Network Radio and Redundant Power Unit are identical in size.



**PROPRIETARY INFORMATION**  
Metric Systems Corporation  
3055 Enterprise Court  
Vista, CA 92081

**FIGURE 10: REAR VIEW OF REDUNDANT POWER SHELF**

**FCC ID: 2ABCU-50739**



**Actual 1U Shelf Measurements including Lids**

1.725"  $\pm$  .025" H  
14.410"  $\pm$  .020" W  
16.830"  $\pm$  .020" L

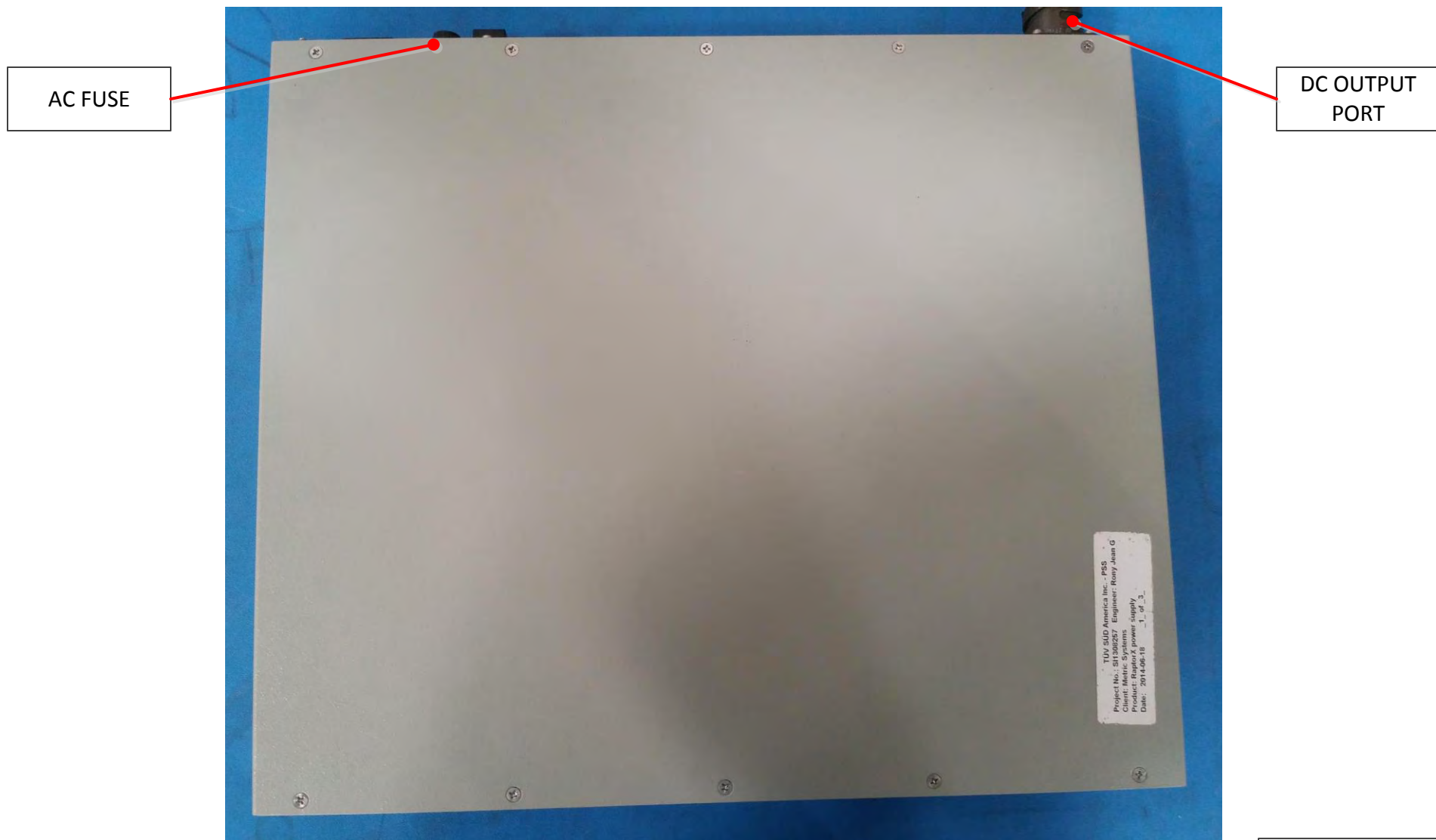
The RaptorX VHF/UHF Broadband Network Radio and Redundant Power Unit are identical in size.



**PROPRIETARY INFORMATION**  
Metric Systems Corporation  
3055 Enterprise Court  
Vista, CA 92081

**FIGURE 11: TOP VIEW REDUNDANT POWER SHELF**

**FCC ID: 2ABCU-50739**



**Actual 1U Shelf Measurements including Lids**

**1.725"  $\pm$  .025" H**

**14.410"  $\pm$  .020" W**

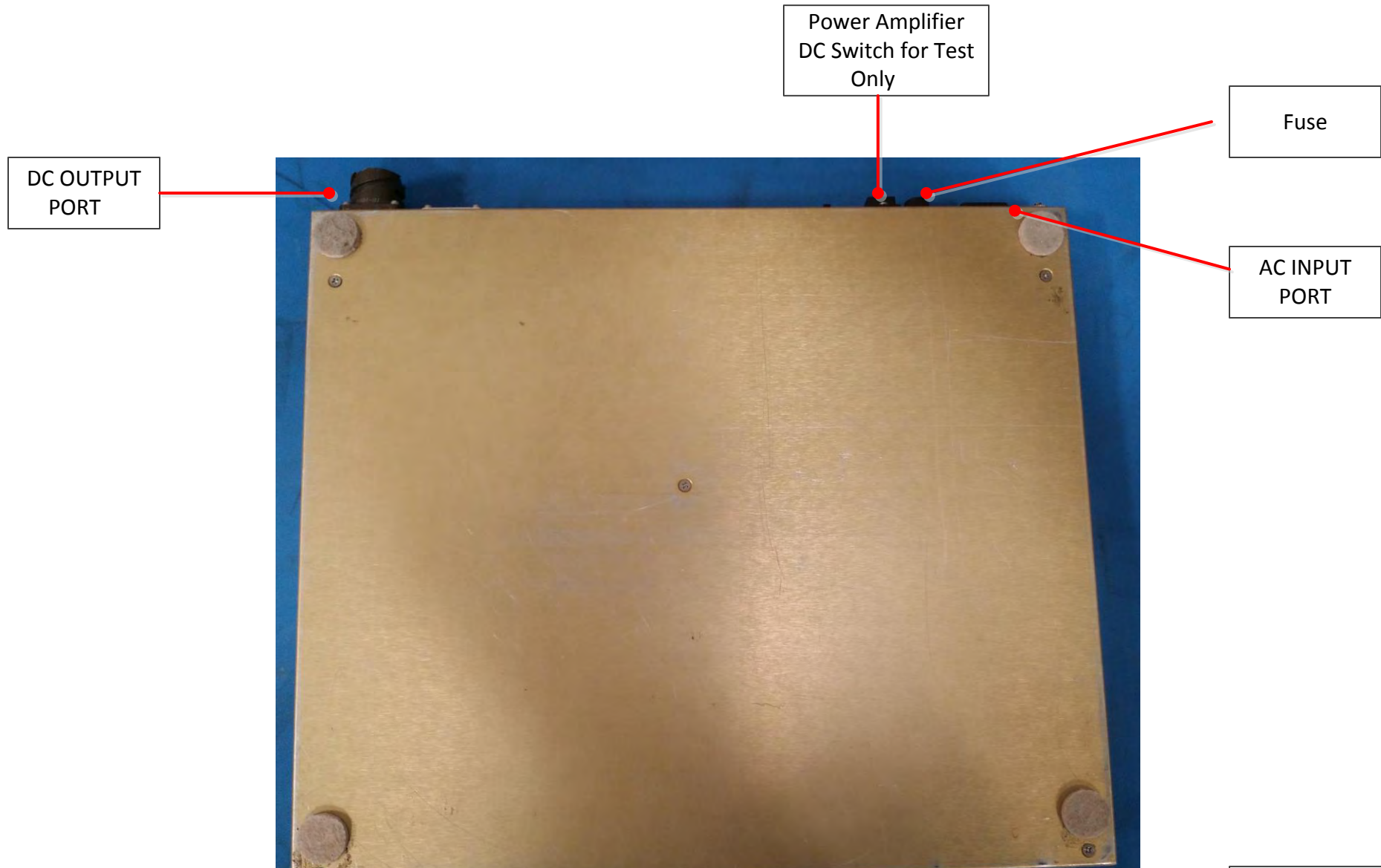
**16.830"  $\pm$  .020" L**

**The RaptorX VHF/UHF Broadband Network Radio and Redundant Power Unit are identical in size.**



**FIGURE 12: BOTTOM VIEW REDUNDANT POWER SHELF**

**FCC ID: 2ABCU-50739**



**Actual 1U Shelf Measurements including Lids**

1.725"  $\pm$  .025" H  
14.410"  $\pm$  .020" W  
16.830"  $\pm$  .020" L

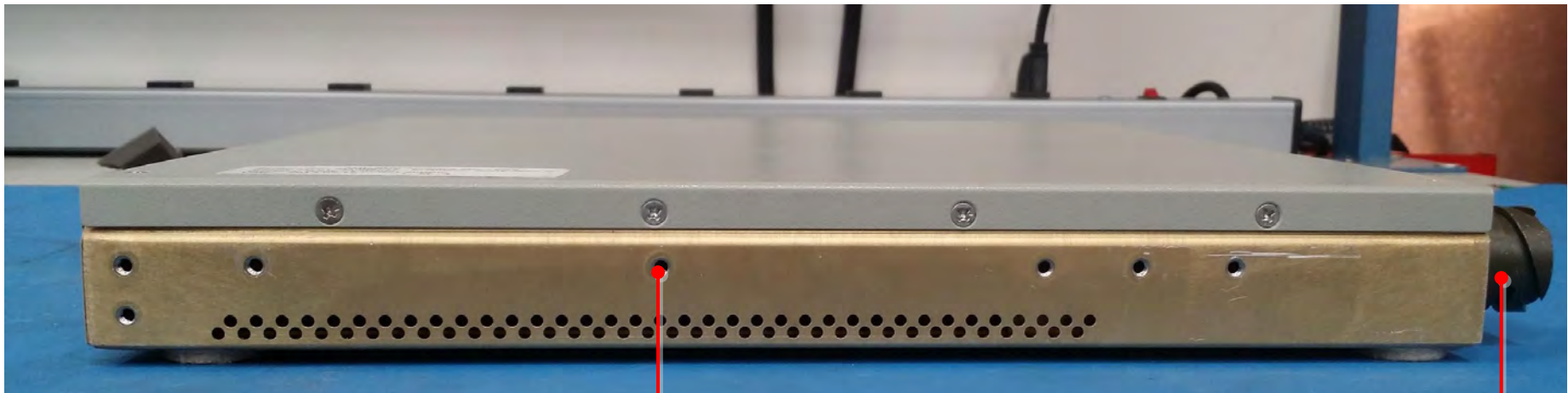
The RaptorX VHF/UHF Broadband Network Radio and Redundant Power Unit are identical in size.



**PROPRIETARY INFORMATION**  
Metric Systems Corporation  
3055 Enterprise Court  
Vista, CA 92081

**FIGURE 13: RIGHT SIDE VIEW REDUNDANT POWER SHELF**

**FCC ID: 2ABCU-50739**



Sliding Rack  
Mounting Holes

DC Output Port

**Actual 1U Shelf Measurements including Lids**

1.725"  $\pm$  .025" H  
14.410"  $\pm$  .020" W  
16.830"  $\pm$  .020" L

The RaptorX VHF/UHF Broadband Network Radio and Redundant Power Unit are identical in size.



**PROPRIETARY INFORMATION**  
Metric Systems Corporation  
3055 Enterprise Court  
Vista, CA 92081

FIGURE 14: REAR VIEW REDUNDANT POWER SUPPLY

FCC ID: 2ABCU-50739



DC Output Port to  
Network Shelf

PA DC Control Switch.  
Not used in Production

Production  
Test Switches

Power Supply  
USB  
Monitoring and  
Control Port

AC Fuse

Earth Ground

AC Input

Actual 1U Shelf Measurements including Lids

1.725"  $\pm$  .025" H  
14.410"  $\pm$  .020" W  
16.830"  $\pm$  .020" L

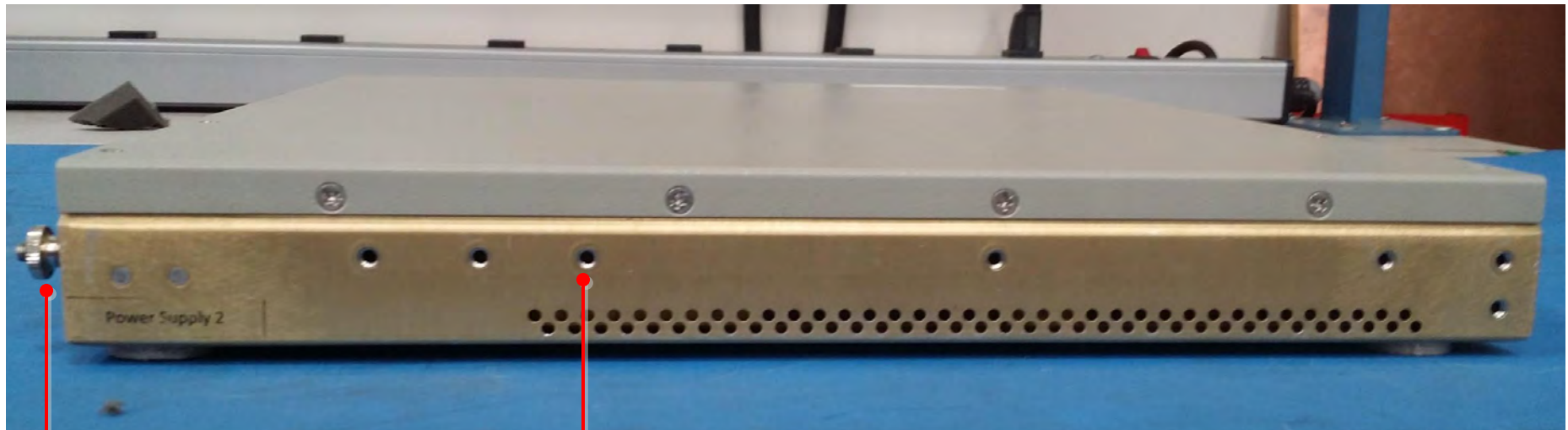
The RaptorX VHF/UHF Broadband Network Radio and Redundant Power Unit are identical in size.



PROPRIETARY INFORMATION  
Metric Systems Corporation  
3055 Enterprise Court  
Vista, CA 92081

**FIGURE 15: LEFT SIDE VIEW OF REDUNDANT POWER SHELF**

**FCC ID: 2ABCU-50739**



Earth Ground  
Terminal

Sliding Rack  
Mounting Holes

**Actual 1U Shelf Measurements including Lids**

1.725"  $\pm$  .025" H  
14.410"  $\pm$  .020" W  
16.830"  $\pm$  .020" L

The RaptorX VHF/UHF Broadband Network Radio and Redundant Power Unit are identical in size.



**PROPRIETARY INFORMATION**  
Metric Systems Corporation  
3055 Enterprise Court  
Vista, CA 92081



**FIGURE 16: FRONT VIEW RAPTORX NETWORK SHELF**  
**(Contains one White Space Radio)**  
**FCC ID: 2ABCU-50739**



**Actual 1U Shelf Measurements including Lids**

1.725"  $\pm$  .025" H  
14.410"  $\pm$  .020" W  
16.830"  $\pm$  .020" L

The RaptorX VHF/UHF Broadband Network Radio and Redundant Power Unit are identical in size.



**PROPRIETARY INFORMATION**  
Metric Systems Corporation  
3055 Enterprise Court  
Vista, CA 92081

**FIGURE 17: ISOMETRIC VIEW RAPTORX NETWORK SHELF**

**FCC ID: 2ABCU-50739**



**Actual 1U Shelf Measurements including Lids**

**1.725"  $\pm$  .025" H**

**14.410"  $\pm$  .020" W**

**16.830"  $\pm$  .020" L**

**The RaptorX VHF/UHF Broadband Network Radio and Redundant Power Unit are identical in size.**



**PROPRIETARY INFORMATION**  
**Metric Systems Corporation**  
**3055 Enterprise Court**  
**Vista, CA 92081**

**FIGURE 18: TOP VIEW RAPTORX NETWORK SHELF**

**FCC ID: 2ABCU-50739**



**Actual 1U Shelf Measurements including Lids**

1.725"  $\pm$  .025" H  
14.410"  $\pm$  .020" W  
16.830"  $\pm$  .020" L

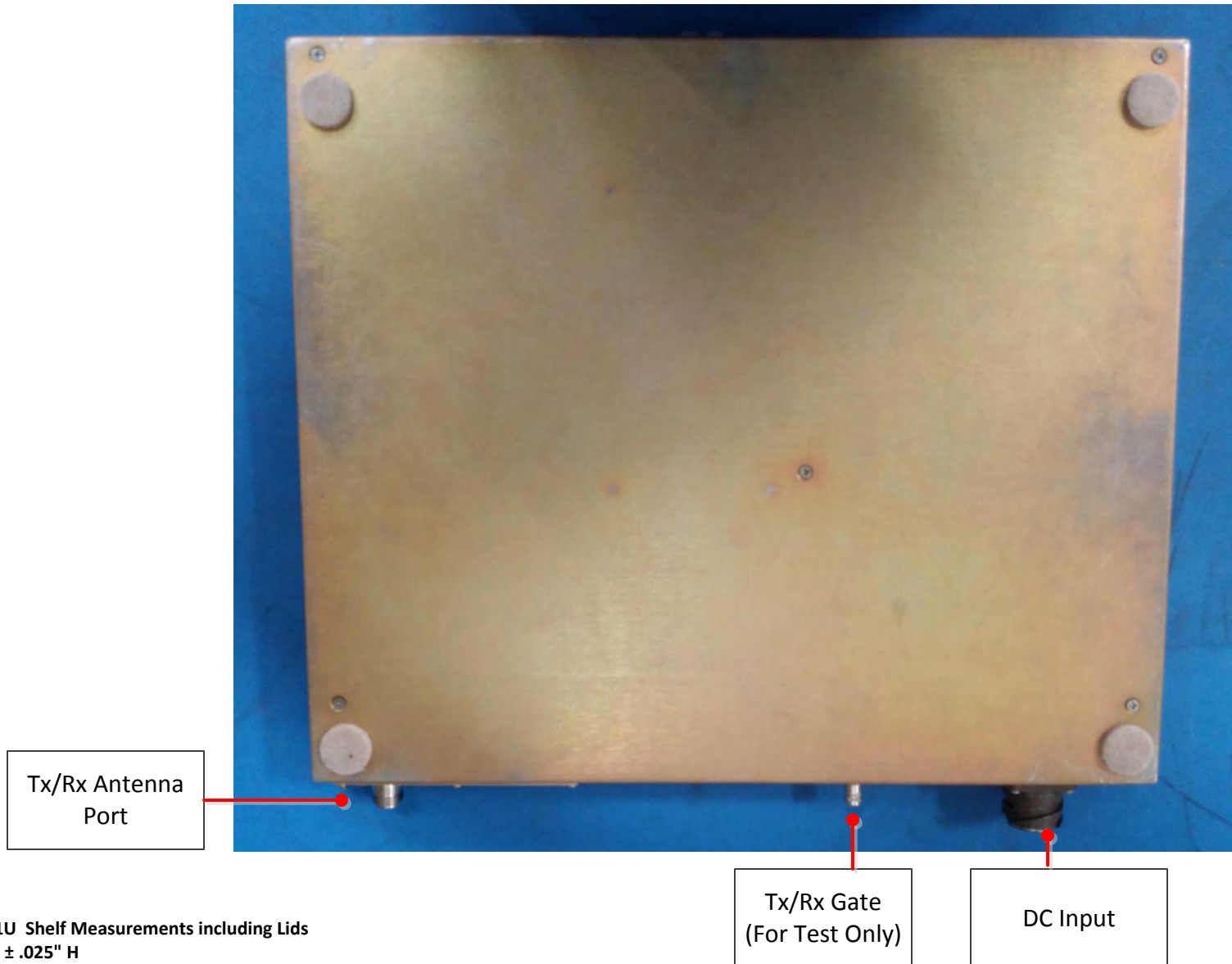
The RaptorX VHF/UHF Broadband Network Radio and Redundant Power Unit are identical in size.



**PROPRIETARY INFORMATION**  
Metric Systems Corporation  
3055 Enterprise Court  
Vista, CA 92081

**FIGURE 19: BOTTOM VIEW RAPTORX NETWORK SHELF**

**FCC ID: 2ABCU-50739**



**Actual 1U Shelf Measurements including Lids**

**1.725"  $\pm$  .025" H**

**14.410"  $\pm$  .020" W**

**16.830"  $\pm$  .020" L**

**The RaptorX VHF/UHF Broadband Network Radio and Redundant Power Unit are identical in size.**



**FIGURE 20: ISOMETRIC REAR VIEW RAPTORX NETWORK SHELF**

**FCC ID: 2ABCU-50739**



**Actual 1U Shelf Measurements including Lids**

**1.725"  $\pm$  .025" H**

**14.410"  $\pm$  .020" W**

**16.830"  $\pm$  .020" L**

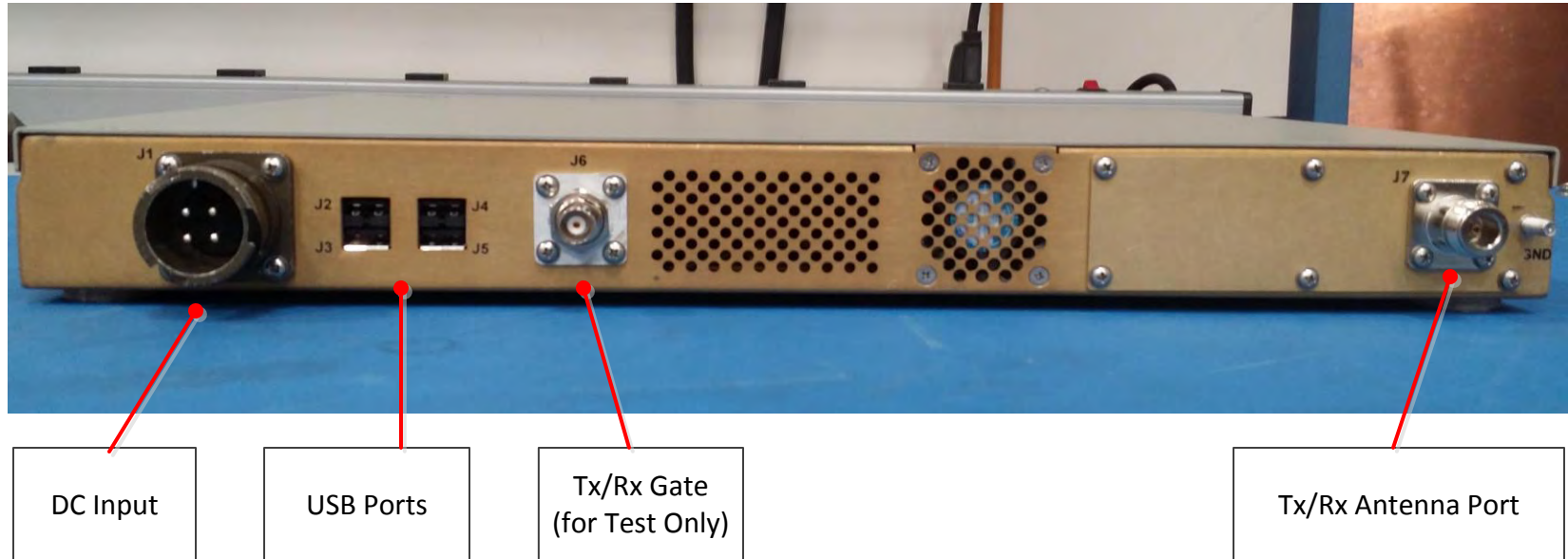
**The RaptorX VHF/UHF Broadband Network Radio and Redundant Power Unit are identical in size.**



**PROPRIETARY INFORMATION**  
**Metric Systems Corporation**  
**3055 Enterprise Court**  
**Vista, CA 92081**

**FIGURE 21: REAR VIEW RAPTORX NETWORK SHELF**

**FCC ID: 2ABCU-50739**



**Actual 1U Shelf Measurements including Lids**

1.725"  $\pm$  .025" H  
14.410"  $\pm$  .020" W  
16.830"  $\pm$  .020" L

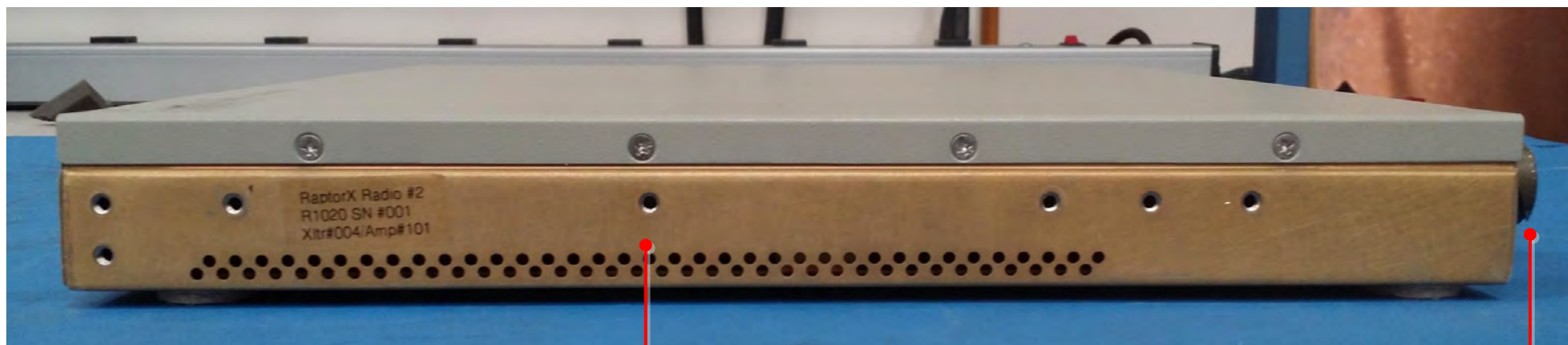
The RaptorX VHF/UHF Broadband Network Radio and Redundant Power Unit are identical in size.



**PROPRIETARY INFORMATION**  
Metric Systems Corporation  
3055 Enterprise Court  
Vista, CA 92081

FIGURE 22: RIGHT SIDE OF RAPTORX NETWORK SHELF

FCC ID: 2ABCU-50739



Sliding Rack  
Mounting Holes

DC Input

**Actual 1U Shelf Measurements including Lids**

1.725"  $\pm$  .025" H  
14.410"  $\pm$  .020" W  
16.830"  $\pm$  .020" L

The RaptorX VHF/UHF Broadband Network Radio and Redundant Power Unit are identical in size.



**PROPRIETARY INFORMATION**  
Metric Systems Corporation  
3055 Enterprise Court  
Vista, CA 92081

**FIGURE 23: LEFT SIDE OF RAPTORX NETWORK SHELF**

**FCC ID: 2ABCU-50739**



Tx/Rx Antenna  
Port

Sliding Rack  
Mounting Holes

**Actual 1U Shelf Measurements including Lids**

1.725"  $\pm$  .025" H  
14.410"  $\pm$  .020" W  
16.830"  $\pm$  .020" L

The RaptorX VHF/UHF Broadband Network Radio and Redundant Power Unit are identical in size.



**PROPRIETARY INFORMATION**  
Metric Systems Corporation  
3055 Enterprise Court  
Vista, CA 92081