

Application Note

74-0043-170413

# Mounting the ThinkRF R5500 Real-Time Spectrum Analyzer in a 19" Rack

This application note explains the use of the ThinkRF R5500 Real-Time Spectrum Analyzer 19" rack shelf for mounting R5500 Real-Time Spectrum Analyzers in a 19" rack.

## Overview

The 19" rack shelf accessory provides for mounting one or two ThinkRF R5500 Real-Time Spectrum Analyzers side-by-side within 2U of a 19" rack system. Figure 1 illustrates the 19" rack shelf with two R5500s mounted.

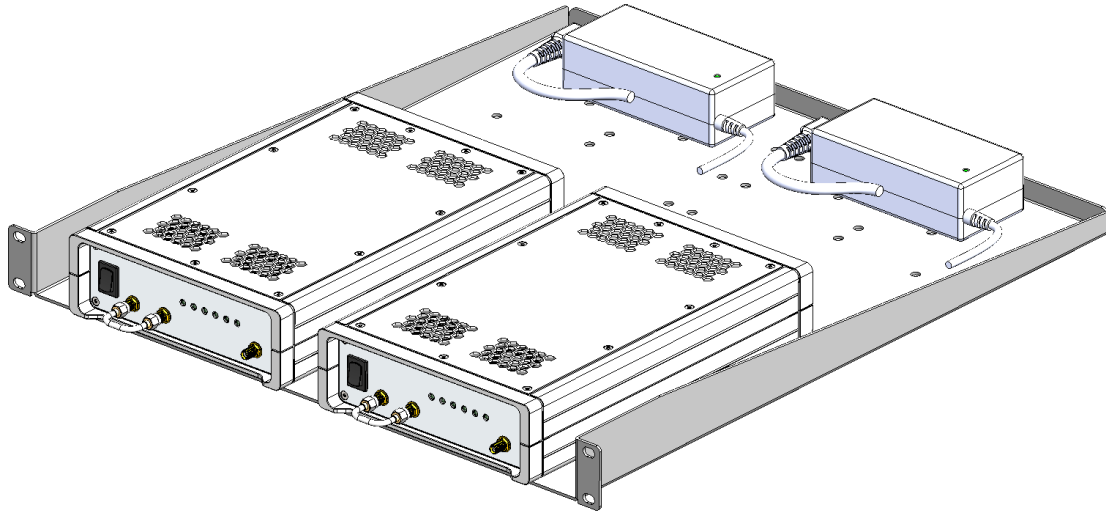


Figure 1: 19" rack shelf with two R5500s mounted

## Shipping Box Contents

Please ensure that your shipping box contains the following:

- 19" rack shelf;
- 8 - 5/16" 6-32 Stainless Steel Flat Undercut Head Phillips Machine Screws (McMaster-Carr part number 91099A210-3)
- 10 - 8" Nylon Cable Tie (McMaster-Carr part number 6614K64)
- 4 - 3/4" 10-32 Zinc-Plated Steel Pan Head Phillips Machine Screw with Lock Washer (McMaster-Carr part 90403A831)
- 4 - 10-32 Zinc Plated Steel G-Style Easy-Align Clip-on Nuts (McMaster-Carr part 90542A343)

## Assembly

Figure 2 illustrates the bottom of the 19" rack shelf.

The R5500 and its power supply are mounted to the shelf prior to the shelf being mounted in the rack.

- Referring to Figure 2, mount the R5500s on either side of the shelf using the four of the 5/16" 6-32 machine screws for each R5500.
- Mount the power supplies on either side of the shelf using two of the cable ties for each power supply and using some of the remaining cable ties to secure the cables.

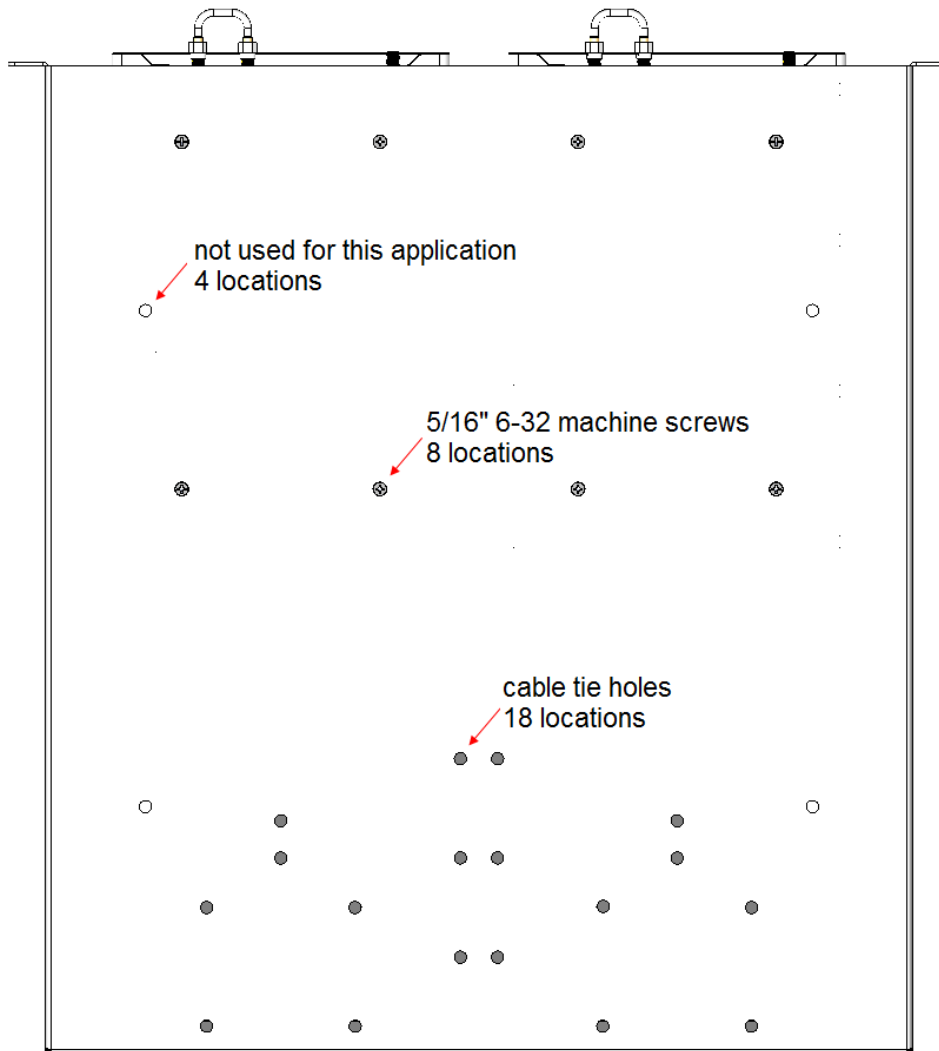


Figure 2: 19" rack shelf bottom view

Referring to figure 3, the 19" rack shelf assembly occupies 2U of the rack for each shelf. Heat ventilation of the R5500 is from the top of the unit and from the front and back of the shelf. There are, otherwise, no special requirements for heat ventilation.

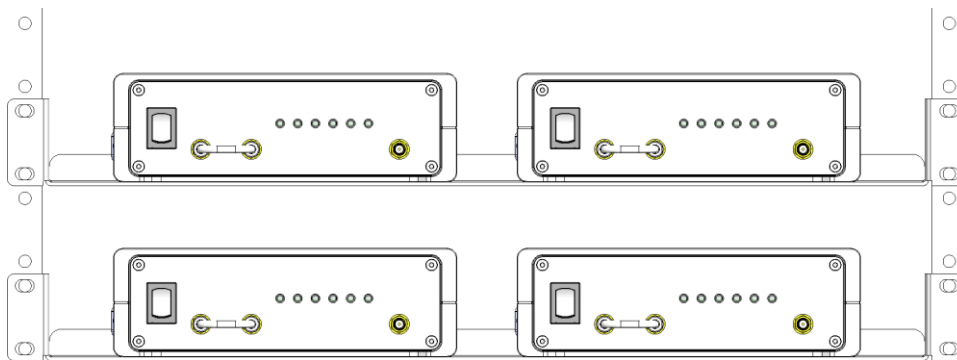


Figure 3: front view of 19" rack shelves mounted in 19" rack

# Physical Dimensions

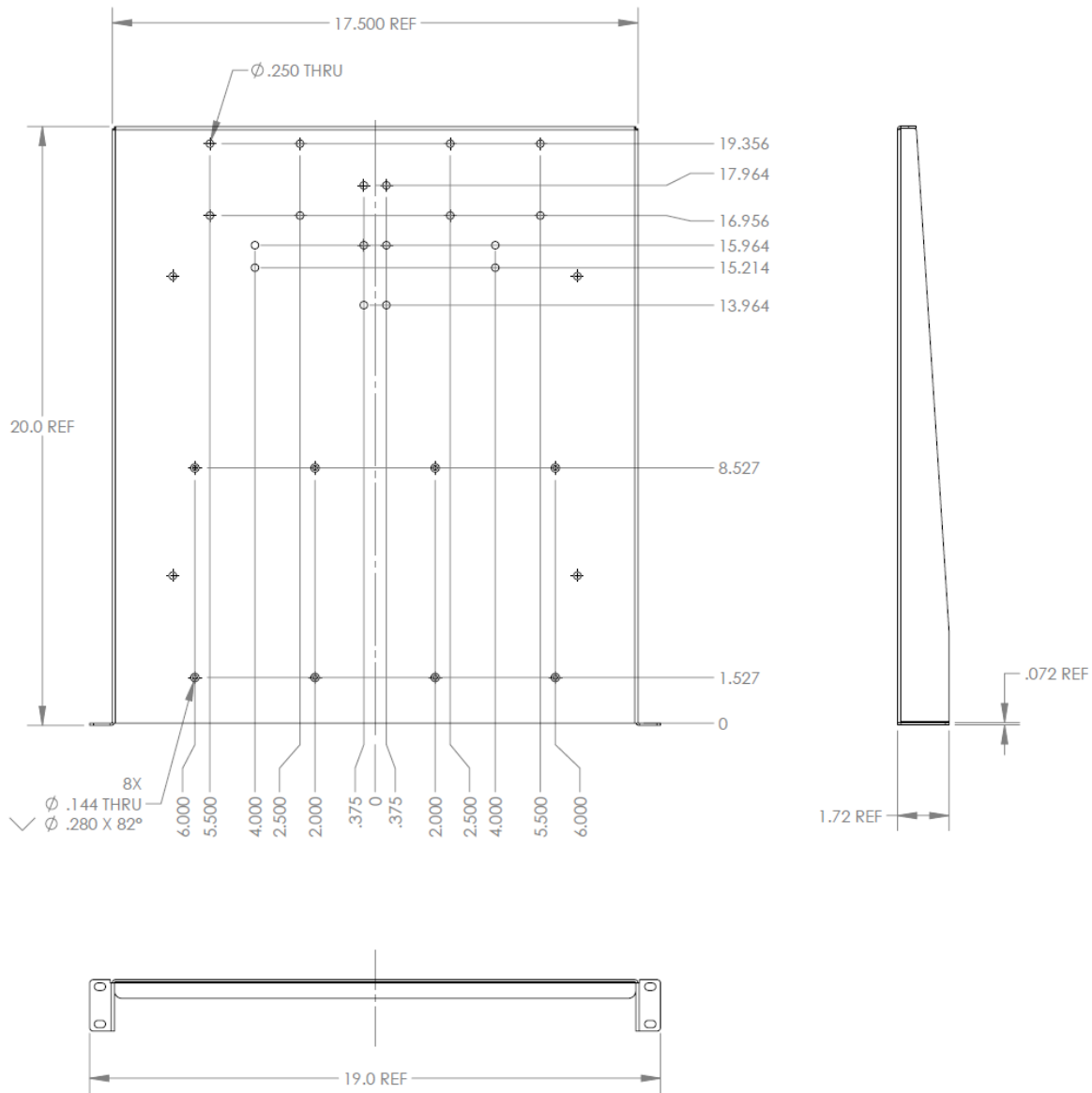


Figure 4: 19" rack shelf physical dimensions

## Contact us for more information

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