

# Rack Mount Accessory Installation Guide

for Anritsu Handheld Instruments

Thick-Case

Thin-Case

Compact-Case



**Anritsu**



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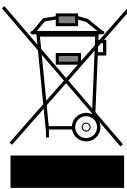
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# Chapter 1 — Installation

## 1-1 Introduction

This document provides instructions for mounting Anritsu handheld instruments into the Anritsu Rack Mount Accessory, part number 66864.

## 1-2 Instrument Mounting Dimensions

**Table 1-1.** Mounting Dimensions

Instrument Case Type	Case Depth
Thick	9.5 cm
Thin	8 cm
Compact	9.1 cm

## 1-3 Part Numbers

The Rack Mount Accessory, Anritsu part number 66864, includes three parts, which are: the Main Bracket (A), the Thin-Case Spacer (B), and the Compact-Case Bracket (C).

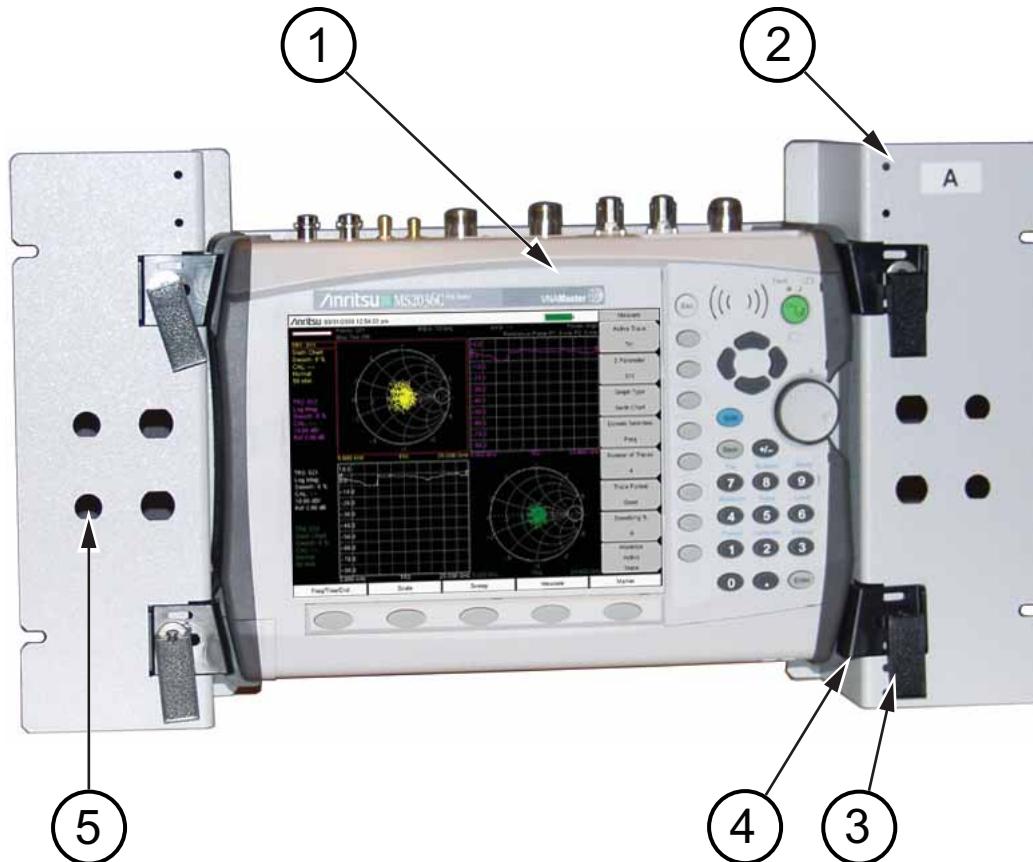
**Table 1-2.** Anritsu Part Numbers for Rack Mount Accessory

Part Number	Description	Label
66864	Assembly: NEXTGEN 76mm RCKMNT ASSY	
3-67748	Bracket: NEXTGEN 76mm RCKMNT BRKT	A
3-67749	Spacer: NEXTGEN 76mm RCKMNT SPCR	B
3-73379	Bracket: NEXTGEN CMPCT-CASE BRKT	C
10580-00338	Document: This Installation Guide	

## 1-4 Rack Mount Accessory Overview

Anritsu handheld instruments are held in place in the Rack Mount Accessory by 4 plastic latching brackets, which are held tight against the instrument bumpers or against the Compact-Case Bracket for Compact-Case instruments (9.1 cm thick).

The latching bracket tension is designed to prevent the latching brackets from sliding sideways, away from the instrument bumpers or from the Compact-Case Bracket (C). Test the mounted instrument to be sure that mounting tension meets your specifications. For tension adjustment, refer to the footnote [on page 1-3](#).



**Figure 1-1.** Handheld Instrument Mounted in Rack

1.	Sample thick-case instrument (MS2028C VNA Master) mounted in rack assembly
2.	Main Bracket for thick-case instruments (9.5 cm)
3.	Latch Handle (one of four)
4.	Plastic Bracket held tight by Latch Handle (one of four)
5.	Mounting Holes for additional connectors (refer to <a href="#">Step 7 on page 1-3</a> )

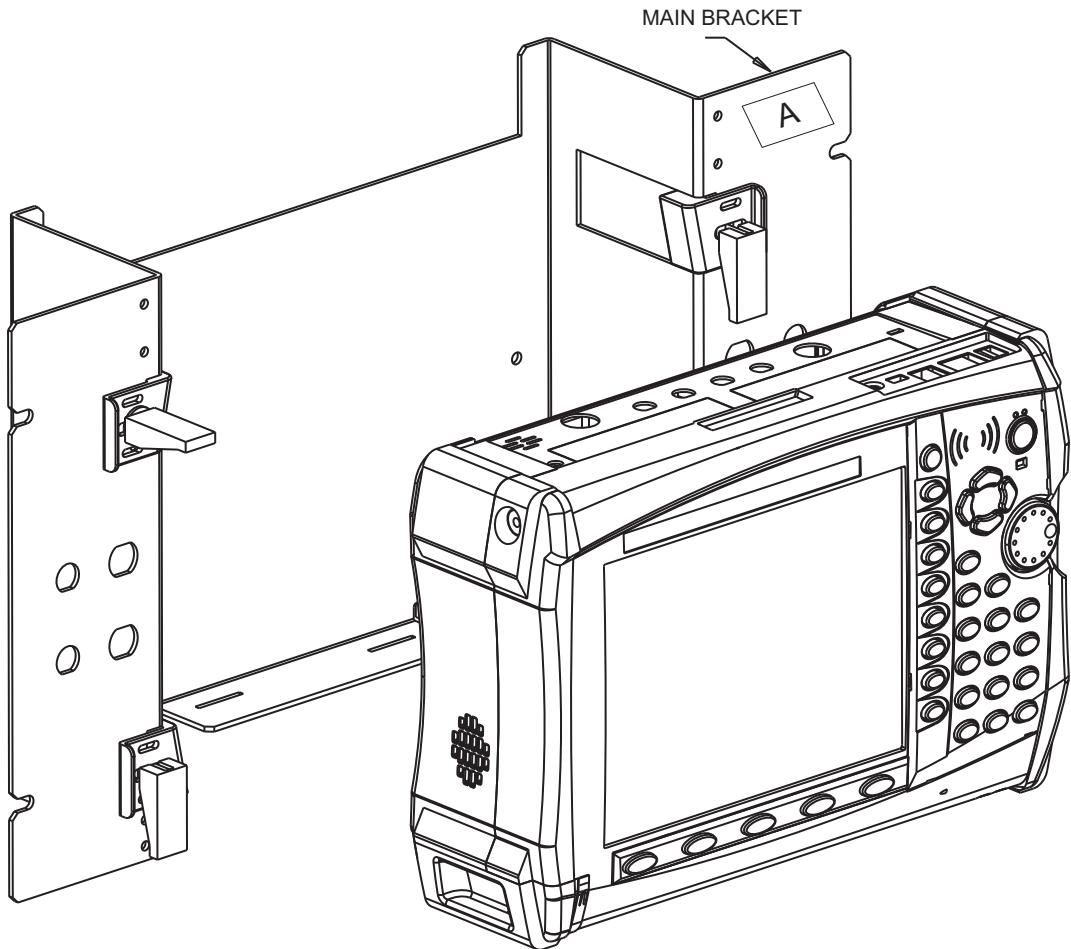
## 1-5 Thick-Case Instrument (9.5 cm)

### Mounting instructions for thick-case instruments:

Rack Mount Components	Sticker Label
1. Main Bracket with 4 Latches and 4 Brackets	A
2. Thin-Case Spacer	B
3. Compact-Case Bracket	C

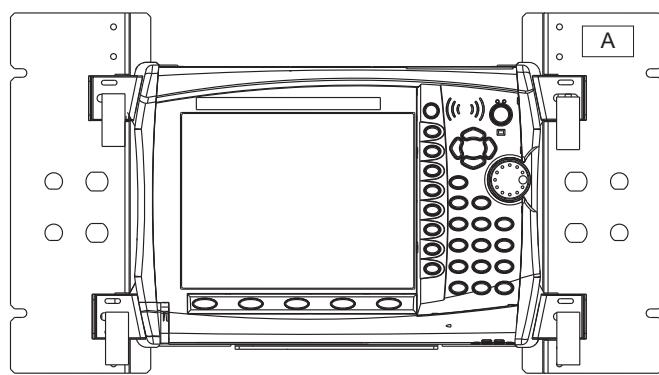
1. Remove 2 screws (with straight-blade screw driver) from the carrying handle of your instrument and save handle for future use.
2. Save Compact-Case Bracket (C) (refer to [Figure 1-6 on page 1-8](#)) for future use.
3. Loosen the 2 thumb screws that hold Thin-Case Spacer (B) (refer to [Figure 1-4 on page 1-6](#)) to Main Bracket (A).
4. Slide up Thin-Case Spacer (B), remove, and save for future use.
5. Loosen the 4 latching brackets on the rack (refer to [Figure 1-2](#)) by lifting up the latch handles.<sup>1</sup>
6. Push the left and right plastic latching brackets away from center.
7. Mount additional connectors (if needed) in the holes provided in Main Bracket (A).  
**Note:** 4 large holes for Amphenol N and 4 small holes for Amphenol BNC.
8. Put instrument into Main Bracket (A), pushing against the back and resting on the ledge of Main Bracket (A). Note that the "A" label that is applied at the factory is at the top of the Main Bracket. Also note that the ledge is centered at the bottom of the main bracket. This ledge provides additional instrument support should the instrument and mounting assembly be subject to severe forces.
9. Position the 4 plastic latching brackets onto the case of the instrument. Push upward on the plastic of each latching bracket from the back side of the Main Bracket (A) in order to slide the latching bracket over the instrument bumper.
10. Push down the 4 latch handles to secure your instrument.<sup>1</sup>
11. Mount Main Bracket (A) and attached instrument onto 19-inch rack.

1. To adjust latching bracket tension, pull handles up to loosen latching bracket, and then tighten or loosen by adjusting the hex screw on the back side of each latching bracket. This tension is designed to prevent the latching brackets from sliding sideways, away from the instrument bumpers. Test the mounted instrument to be sure that mounting tension meets your specifications.



**Figure 1-2.** Thick-Case Rack Mount with Instrument

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**Figure 1-3.** Instrument Mounted in Thick-Case Rack

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## 1-6 Thin-Case Instrument (8 cm)

### Mounting instructions for thin-case instruments:

Rack Mount Components	Sticker Label
1. Main Bracket with 4 Latches and 4 Brackets	A
2. Thin-Case Spacer	B
3. Compact-Case Bracket	C

1. Remove 2 screws (with straight-blade screw driver) from the carrying handle of your instrument and save handle for future use.

2. Save Compact-Case Bracket (C) (refer to [Figure 1-6](#)) for future use.

3. Ensure that Thin-Case Spacer (B) is resting on ledge of Main Bracket (A). If you are adding the Thin-Case Spacer (B) to the Main Bracket (A), then note that the "B" label that is applied at the factory is at the top of the Thin-Case Spacer (B).

The spacer has two mounting tabs that must be fitted into the slots in the ledge of the Main Bracket. The top of the spacer locks over the top edge of the Main Bracket.

4. Ensure the tightness of the thumb screws that hold Thin-Case Spacer (B) to Main Bracket (A). Refer to [Figure 1-4](#).

5. Loosen the 4 latching brackets by lifting up the latch handles.<sup>1</sup>

6. Push the left and right plastic latching brackets away from center.

7. Mount additional connectors (if needed) in the holes provided in Main Bracket (A).

**Note:** 4 large holes for Amphenol N and 4 small holes for Amphenol BNC.

8. Put instrument into Main Bracket (A), pushing the back against Thin-Case Spacer (B) and resting the instrument on the ledge of Main Bracket (A). Note that the ledge is centered at the bottom of the main bracket. This ledge provides additional instrument support should the instrument and mounting assembly be subject to severe forces.

9. Position the 4 plastic latching brackets onto the case of the instrument. Push upward on the plastic of each latching bracket from the back side of the Main Bracket (A) in order to slide the latching bracket over the instrument bumper.

10. Push down the 4 latch handles to secure your instrument.<sup>1</sup>

11. Mount Main Bracket (A) and attached instrument onto 19-inch rack.

1. To adjust latching bracket tension, pull handles up to loosen latching bracket, and then tighten or loosen by adjusting the hex screw on the back side of each latching bracket. This tension is designed to prevent the latching brackets from sliding sideways, away from the instrument bumpers. Test the mounted instrument to be sure that mounting tension meets your specifications.

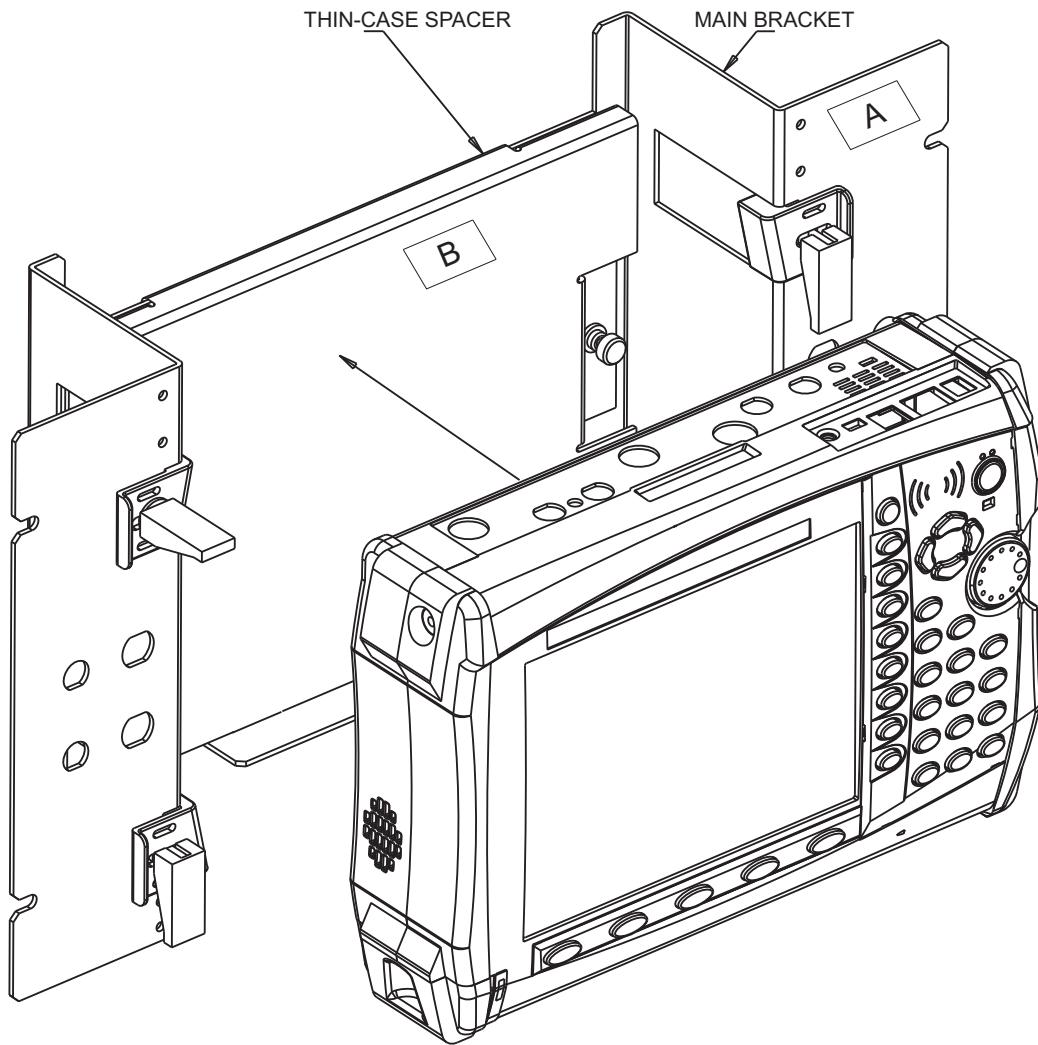


Figure 1-4. Thin-Case Rack Mount with Instrument

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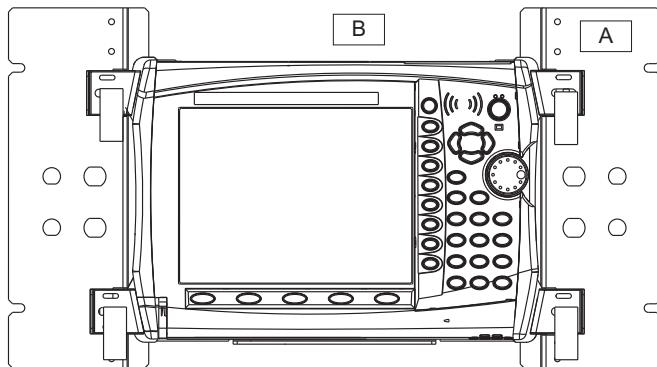


Figure 1-5. Instrument Mounted in Thin-Case Rack

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## 1-7 Compact-Case Instrument (9.1 cm)

### Mounting instructions for compact-case instruments:

Rack Mount Components	Sticker Label
1. Main Bracket with 4 Latches and 4 Brackets	A
2. Thin-Case Spacer	B
3. Compact-Case Bracket	C

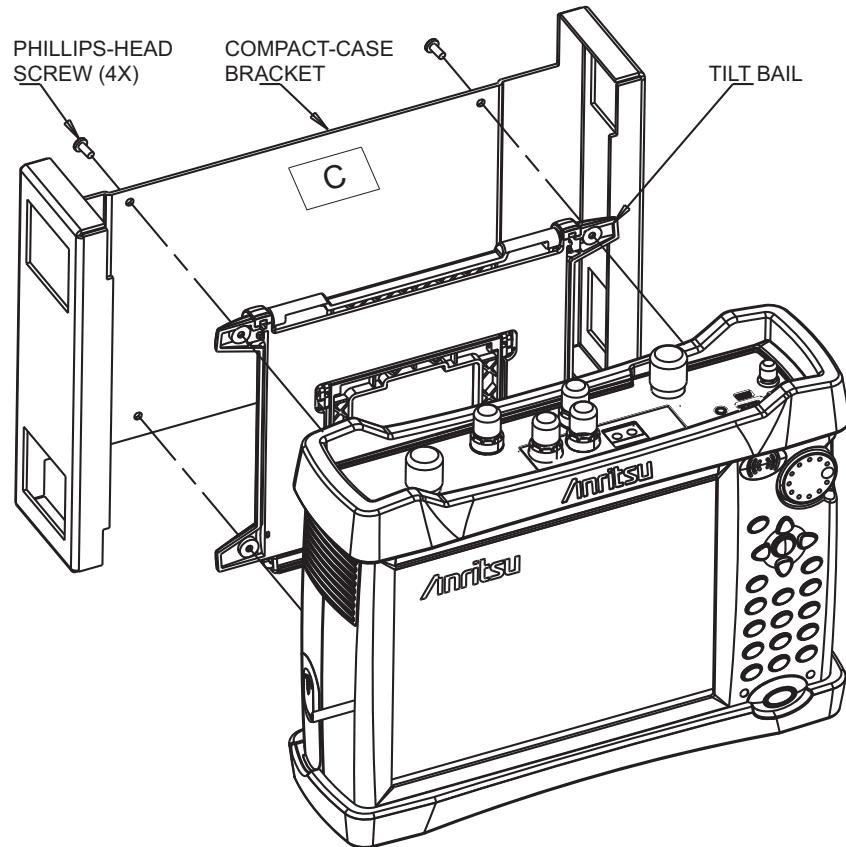
1. Remove the 4 screws from instrument tilt bail (using a Phillips-head screw driver) and keep the screws for [Step 3](#).
2. Detach tilt bail from instrument and save tilt bail for future use.
3. Secure your instrument to the Compact-Case Bracket (C) with the 4 screws that were removed from the tilt bail in [Step 1](#). Refer to [Figure 1-6 on page 1-8](#). Note that the upper two holes are spaced wider apart than the bottom two holes due to the tilt bail mounting configuration. The "C" label that is applied at the factory is at the top of the Compact-Case Bracket (C).
4. Ensure that Thin-Case Spacer (B) is resting on the ledge of Main Bracket (A). Note that the ledge is centered at the bottom of the Main Bracket.
5. Ensure the tightness of the thumb screws that hold the Thin-Case Spacer (B) to the Main Bracket (A). Refer to [Figure 1-7 on page 1-9](#). If you are adding the Thin-Case Spacer (B) to the Main Bracket (A), then note that the "B" label that is applied at the factory is at the top of the Thin-Case Spacer (B). Refer to [Step 3 on page 1-5](#).
6. Loosen the 4 latching brackets by lifting up the latch handles.<sup>1</sup>
7. Push the left and right plastic latching brackets away from center.
8. Mount additional connectors (if needed) in the holes provided in Main Bracket (A).  
**Note:** 4 large holes for Amphenol N and 4 small holes for Amphenol BNC.
9. Slide instrument and attached Compact-Case Bracket (C) into Main Bracket (A), pushing against the Thin-Case Spacer (B) and resting on the ledge of Main Bracket (A). Note that the ledge is centered at the bottom of the Main Bracket. This ledge provides additional instrument support should the instrument and mounting assembly be subject to severe forces.
10. Position the 4 plastic latching brackets onto the Compact-Case Bracket (C). Push upward on the plastic of each latching bracket from the back side of the Main Bracket if necessary in order to slide each latching bracket over the Compact-Case Bracket (C).
11. Push down the 4 latch handles to secure your instrument.<sup>1</sup>
12. Mount Main Bracket (A) with Thin-Case Spacer (B), Compact-Case Bracket (C), and attached instrument onto 19-inch rack.

1. To adjust latching bracket tension, pull handles up to loosen latching bracket, and then tighten or loosen by adjusting the hex screw on the back side of each latching bracket. This tension is designed to prevent the latching brackets from sliding sideways, away from the Compact-Case Bracket (C). Test the mounted instrument to be sure that mounting tension meets your specifications.

## Mounting the Instrument

The upper holes are spaced wider than the lower holes due to the design of the tilt bail. Note that the "C" label is located at the top of the Compact-Case Bracket.

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Figure 1-6. Compact-Case Rack Mount — Preparing the Instrument

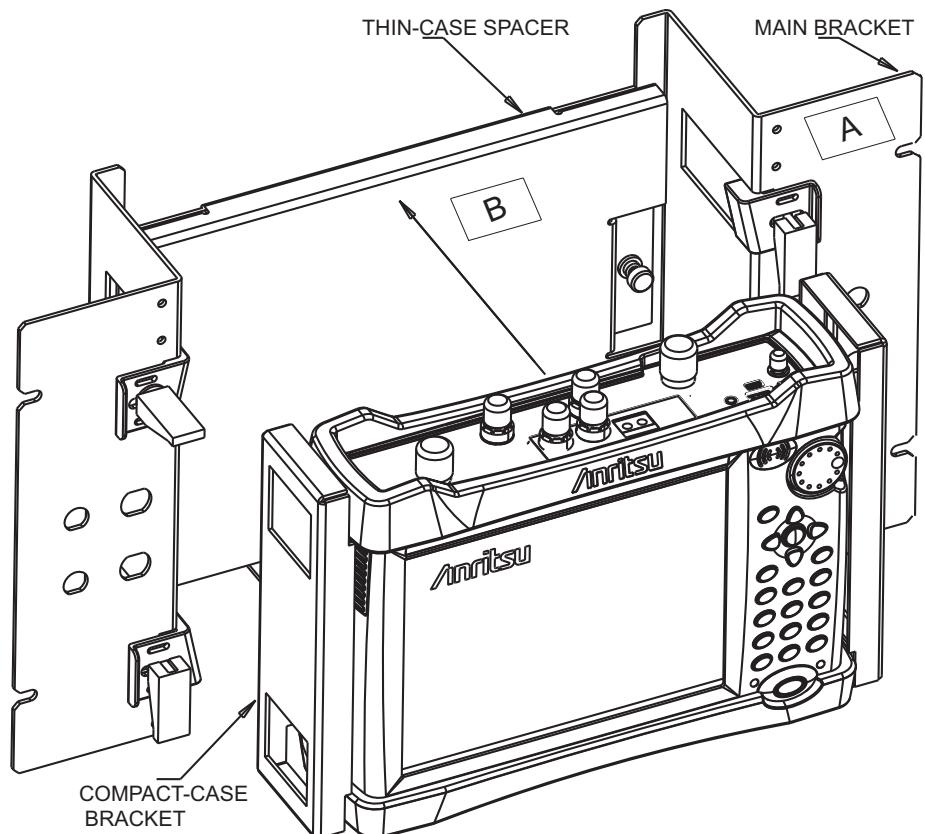


Figure 1-7. Compact-Case Rack Mount — Mounting the Instrument

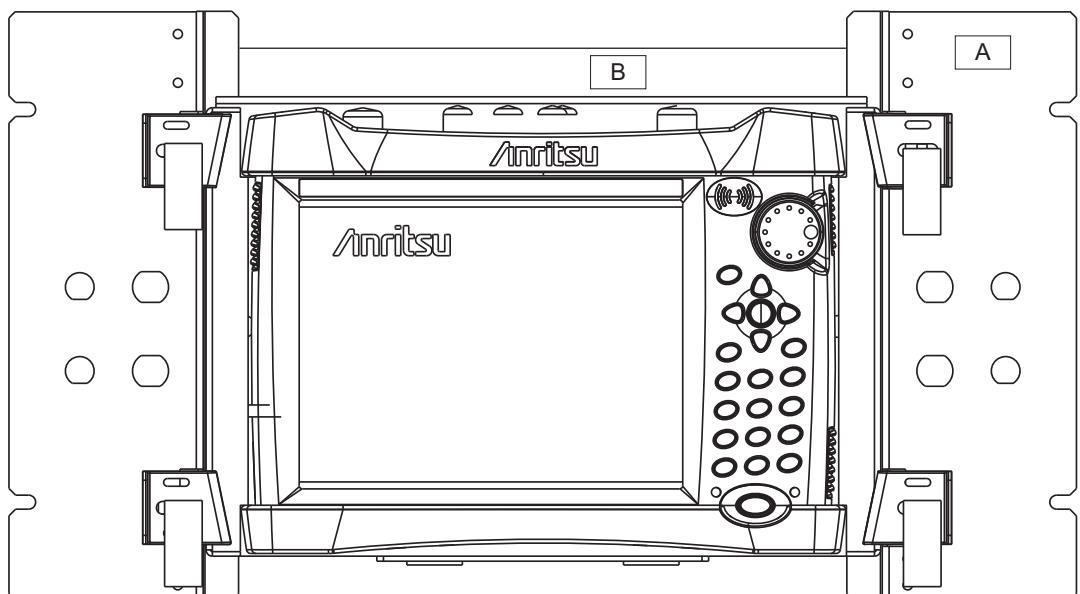


Figure 1-8. Instrument Mounted in Compact-Case Rack

## 1-8 Rack Mount Assembly Dimensions

Spacing of the openings in the mounting brackets and thin-case spacer are shown in the following three figures.

### Main Bracket (A)

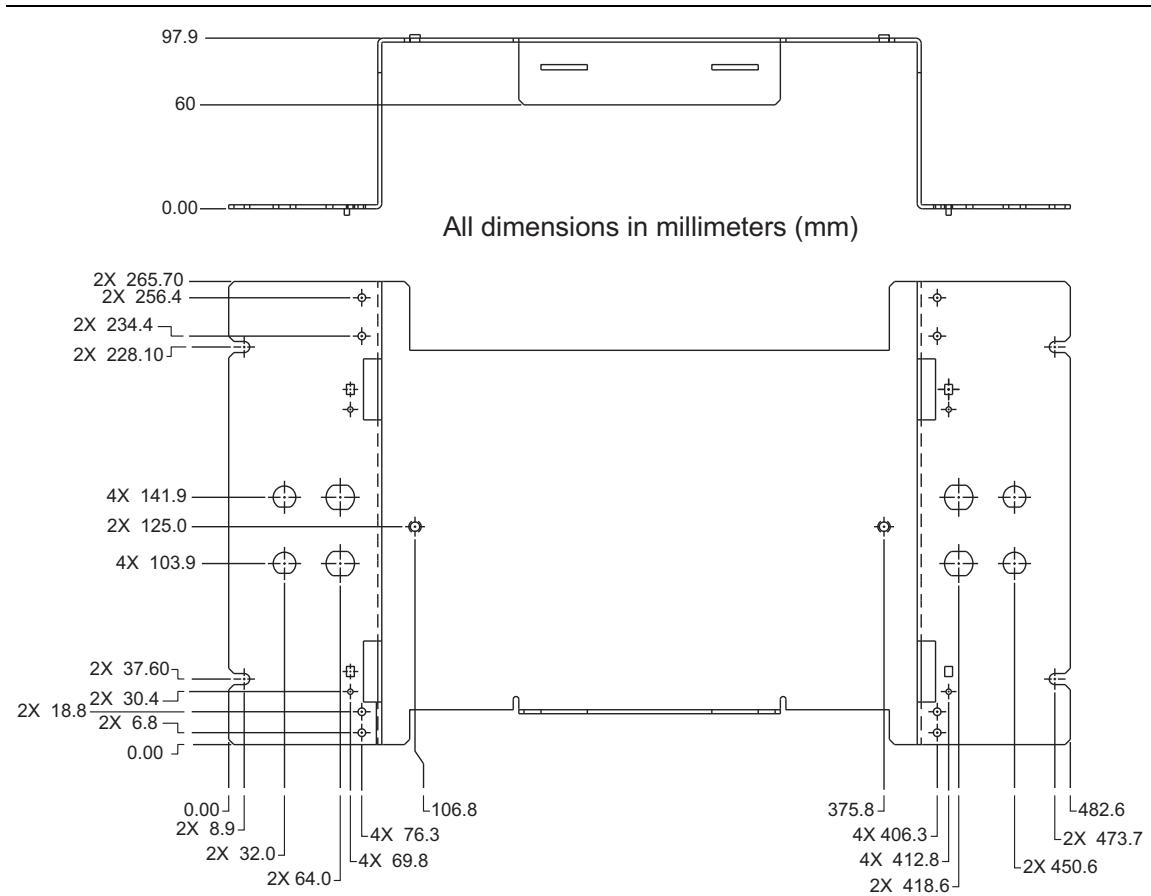
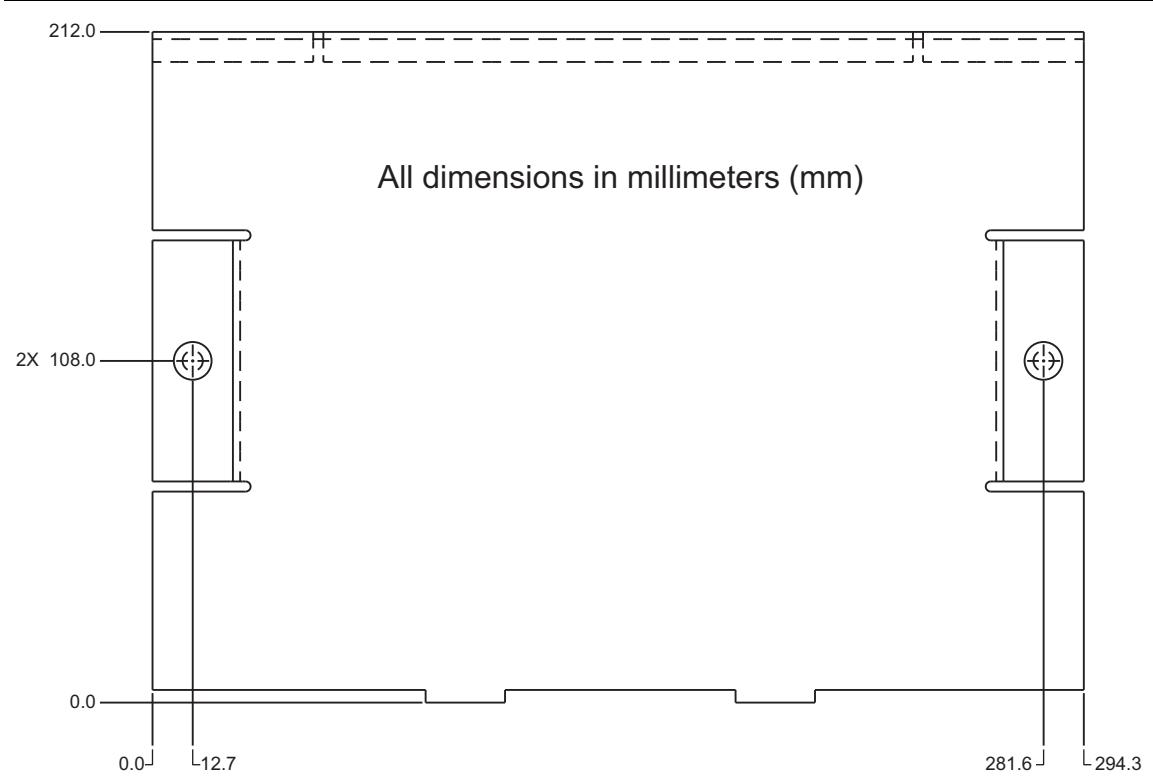


Figure 1-9. Main Bracket (A) Dimensions

**Thin-Case Spacer (B)****Figure 1-10.** Thin-Case Spacer (B) Dimensions

### Compact-Case Bracket (C)

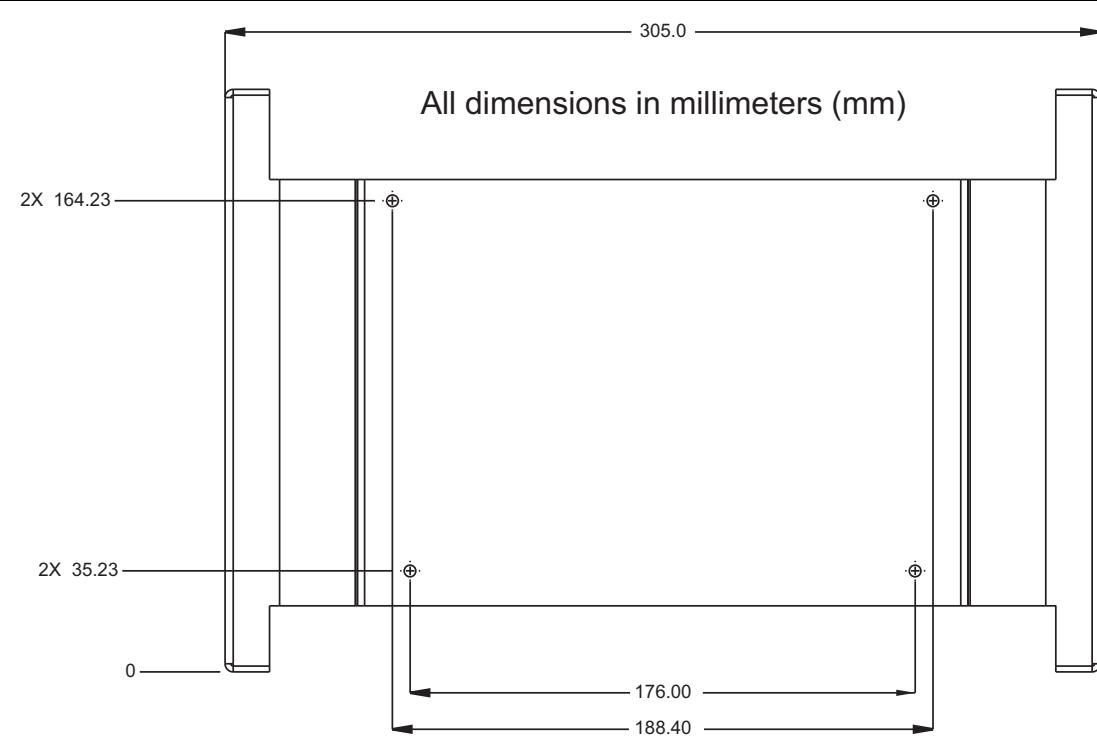


Figure 1-11. Compact-Case Bracket (C) Dimensions

## Notes

**Notes**





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