



7-9513-1

Installation Instructions for the ACM Power Meter Kit Model Number 95-70-09236-X1

GENERAL DESCRIPTION

These instructions are for mounting the ACM Power Meter Kit model 95-70-09236-X1 to your TX/RX Combiner/Multicoupler system. The kit consists of three individual ACM's mounted to one panel. There is an ACM meter for each transmit antenna in your system. The ACM's need to be connected in series between the antenna output of the combiner and the associated TX antenna. In order to install the ACM kit perform the following procedure in a step by step fashion.

- 1) Mount the ACM panel in the rack above the multicoupler deck using the four Phillips screws supplied in the kit. The panel should be mounted such that the 7/16" input connectors on the ACM's are facing down towards the bottom of the rack. Refer to **Figure 1**.
- 2) Connect the two spade lugs of the DC harness to the rear of the deck at the power supply input terminals as shown in **Figure 2A and 2B**. The

ground braid of the cable should connect to the "-" terminal and the center conductor of the cable should connect to the "+" terminal.

Note: These are the same terminals screws used by the customer to supply -48 VDC to the multicoupler deck

- 3) Connect the antenna output from each combiner to the input connector on the appropriate ACM. These are 7/16" DIN-style elbow connectors. Refer to **Figure 3**. The three ACM's are labeled near their output ports as "TX ANT #1, TX ANT #2, and TX ANT #3".

Note: The antenna output cables from the TX1, TX2 and TX3 combiners are currently attached to the mounting plate for the transmitter input connectors at the top of their respective racks. These three cables will need to be disconnected from their cavity filters, pulled up, through, and out of the mounting plate so they can be re-routed to the ACM inputs.

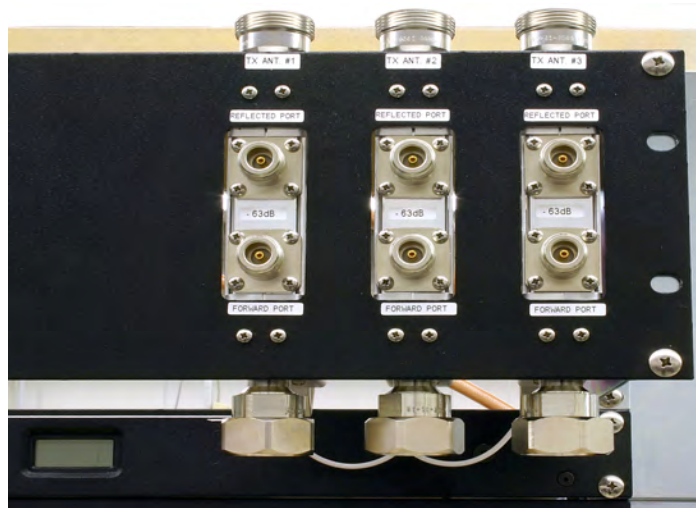


Figure 1: Mount the ACM panel.

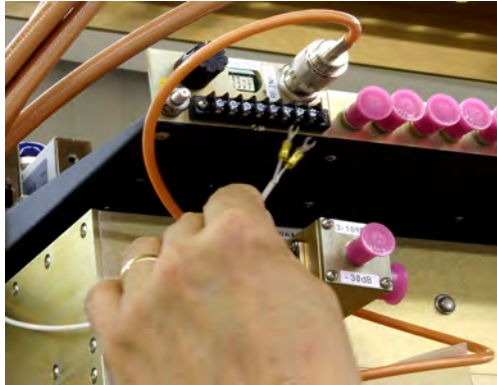


Figure 2A: Connecting the ACM power cable.



Figure 2B: The ACM power cable connected.



Figure 3: Combiner outputs connect to the ACM inputs.