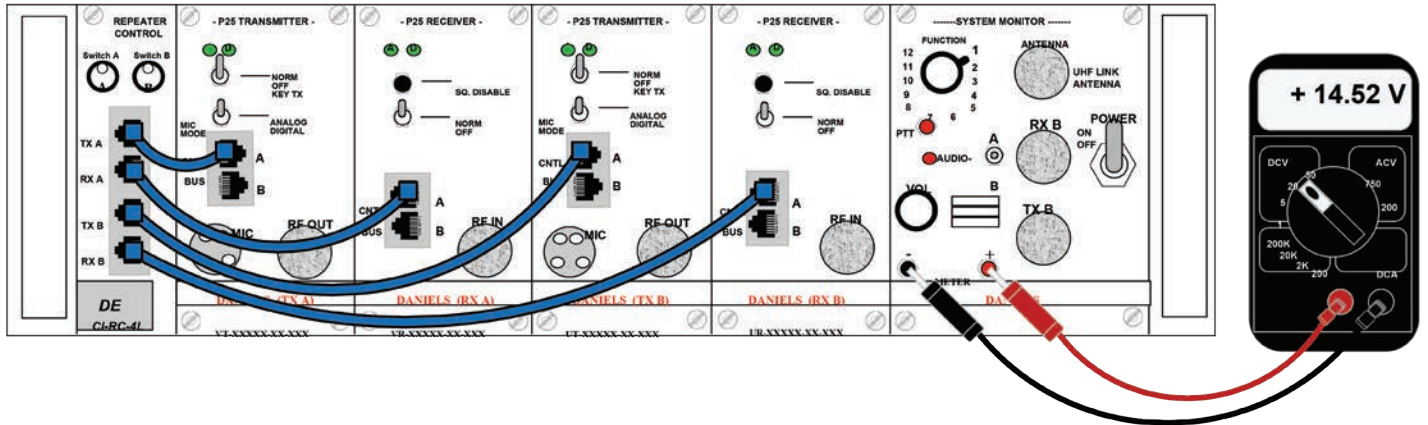


# GENERAL EQUIPMENT BATTERY TESTING

## System Monitor Battery Testing

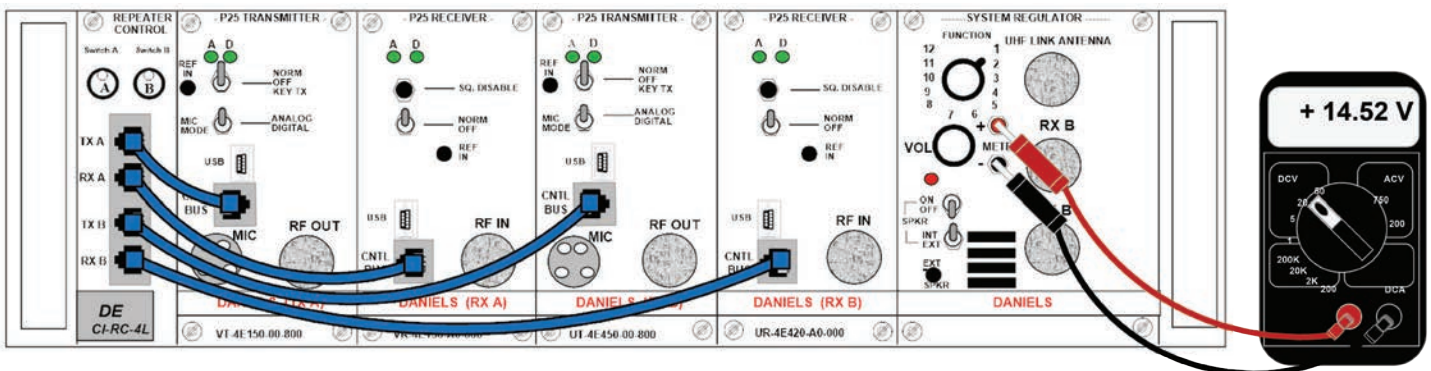


### Testing the Equipment Batteries under load on equipment with a System Monitor

- Connect the supplied batteries to the equipment.  
*Note: If new batteries are being installed, test each battery voltage and connect accordingly by following the battery diagrams for each piece of equipment.*
- Assure that **all power switches** on each module are turned to the "NORM" position.
- Connect a Volt Meter to the Meter Jacks on the **System Regulator Module**.
- Adjust the **Function Switch** on the **System Regulator** to position **2**.
- Press the "PTT" button on the **System Monitor** to key up the Transmitters to test the battery voltage under a load condition.
- Replace the batteries if the voltage is at or falls below **+10.5 volts** while under load.

System Monitor Switch Functions	
2	+13.8 V (Supply Voltage)
3	+9.5 V Regulated
1, 4-12	NIRSC Testing

## System Regulator Battery Testing



### Testing the Equipment Batteries under load on equipment with a System Regulator

- Connect the supplied batteries to the equipment.  
*Note: If new batteries are being installed, test each battery voltage and connect accordingly by following the battery diagrams for each piece of equipment.*
- Assure that **all power switches** on each module are turned to the "NORM" position.
- Connect a Volt Meter to the Meter Jacks on the **System Regulator Module**.
- Adjust the **Function Switch** on the **System Regulator** to position **1**.
- Key up the Transmitters by either using a VHF or UHF handheld to test the battery voltage under a load condition.
- Replace the batteries if the voltage is at or falls below **+10.5 volts** while under load.

System Regulator Switch Functions	
1	+13.8 V (Supply Voltage)
2	+9.5 V Regulated
3-12	NIRSC Testing

*Note: The equipment voltage can also be tested on both the System Regulator and System Monitor equipment by utilizing the Voice Board. See Voice Board Instructions*