

SuperLink Hub Repeater Overview October 2024

Agenda

- A brief history of the SuperLink System
- The Scope & Scale of the System
- A deeper dive into the .850 Repeater
- An overview of the 145.170 Repeater
- Your Questions

How the SuperLink System Started

- The Early Days
 - The tower was built in the 1980's by McCaw Communications
 - Tim Diehl, KB5ZVC and Jerry Moyer and the paging company
 - The original repeater was on 443.750 with a 125 watt tube amplifier
 - It was moved to 443.850 to resolve interference
- In 2023 we upgraded the system in a major way
 - Motorola MTR 2000 (primary and backup in the rack)
 - ARCOM RC210 controllers (primary and backup in the rack)
 - WX250 weather receiver
 - The entire rack runs on 12 volts

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Power Amplifier

RF Isolator

UHF Duplexer

Motorola MTR 2000

Voltage & Amp Meters

Power & SWR Meter

Repeater Controllers

Weather Receiver

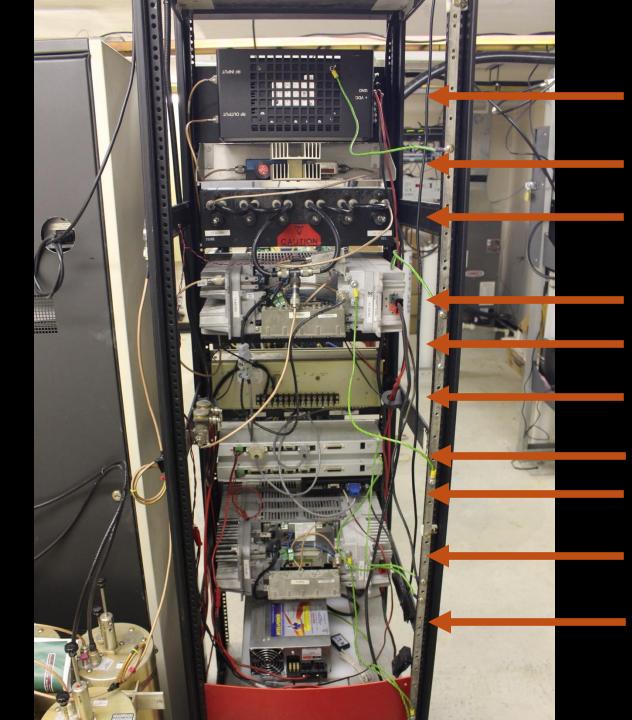
Motorola MTR 2000 (B/U)

Battery Bank









Power Amplifier

RF Isolator UHF Duplexer

Motorola MTR 2000 Voltage & Amp Meters Power & SWR Meter

Repeater Controllers Weather Receiver Motorola MTR 2000 (B/U)

Battery Bank & Charger

