

**Additional info:**

General Electric MASTR Pro Repeater

406-470 MHz, 250 Watts output, 4CX300A ceramic tetrode.

GE EP6A PA power supply chassis and rack mount transformer assembly. The transformer is mounted to a rack panel for placement directly below the EP6A power supply chassis. PA voltage of 2000 VDC @ 250 ma continuous duty. The 866 Mercury Vapor rectifier tubes have been replaced by the solid state equivalent. 117 Volt AC operation. Installed 4CX300A has been in service for ten years and was making 150 watts output at the time it was taken out of service in July 2023.

GE model EP38A10 Power supply. 12 Volt pass transistor needs replaced or external 12-volt DC power supply added.

GE Model ET60 Transmitter tuned to ~444 MHz Solid state exciter with CG. Vacuum tube driver and PA.

GE Model ER42 UHS Receiver tuned to ~449 MHz All solid state UHS (ultra-high sensitivity) receiver with CG. No network installed. Has cover with metering jack extension cable.

GE model 19A121460G1 Meter Panel and Meter Switching Panel assembly with cables that connect to receiver and transmitter test jack.

GE repeater control shelf with repeater audio, repeater control and DC control cards installed.

Interconnecting cables/wiring harness

A muffin fan is used to air-cool the ET60 transmitter and 12.6 Volt regulator transistors. The fan is mounted on the front of the EP38A10 Power Supply. A blower is used to cool the PA tube in the EF6A Power Amplifier and is mounted on the front of the PA Power Supply chassis.

The transmitter and receiver are equipped with centralized metering jacks, and are mounted on swing-out chassis for simplified alignment and troubleshooting.

EF6A power amplifier information URL

<https://www.repeater-builder.com/ge/lbi-library/lbi-3597j.pdf>

EP6A power supply information URL

<https://www.repeater-builder.com/ge/lbi-library/lbi-3631.pdf>

EP38 power supply information URL

<https://www.repeater-builder.com/ge/lbi-library/lbi-3529h.pdf>

Control shelf URL

<https://www.repeater-builder.com/ge/lbi-library/lbi-4490a.pdf>

Meter panel and meter switching panel informal URL:

<https://www.repeater-builder.com/ge/lbi-library/lbi-3753.pdf>

<https://www.repeater-builder.com/ge/lbi-library/lbi-4523.pdf>