



# KINTRONIC LABORATORIES, INC.

## CUSTOM TOWER DETUNING SKIRT KITS

**THE KINTRONICS TOWER DETUNING KIT SERVES TO EFFECTIVELY REMOVE THE INFLUENCE OF AN ANTENNA TOWER STRUCTURE ON THE RADIATED PATTERN OF NEARBY AM ANTENNA.**

The FCC requires that any new or pre-existing antenna tower, pole or other metal structure installed in the near vicinity of an AM station will not alter the stations licensed radiated pattern. If this situation exists, a detuning kit is essential to comply.

### **CUSTOM DETUNING UNITS INCLUDE:**

- Copperweld, or Galvanized Steel Cable
- Fiberglass Standoff Insulators With Mounting Hardware
- Aluminum or Stainless Steel Bottom and Top Skirt Wire Termination
- Turnbuckles
- Strain Insulators
- Stainless Steel, Galvanized Steel, Nickelplated Brass or Copper Installation Hardware As Dictated By Engineering Specifications
- Tensioning Springs
- Installation Instructions for Tower Crew
- Tower Ground System Materials (Optional)



TOWER DETUNING KIT INSTALLATION

### **CUSTOMER SERVICE IS TOP PRIORITY**

Kintronic Labs is a company with over 50 years of experience in the design and manufacture of systems and components for the broadcast industry.

### **DETUNING HARDWARE IS TAILORED TO THE CUSTOMER'S TOWER RE-REQUIREMENTS**

From your engineering specifications, Kintronic Labs can individually package a detuning skirt and/or detuning unit, including complete documentation. The standard kits are available in 3-or 6-wire configurations and are designed to withstand wind speeds to 90 mph (without ice). Kits are customized to your individual monopole, guyed or self-supporting tower requirements.

# KINTRONICS TOWER DETUNING KITS CONTAIN EVERYTHING YOU NEED TO COMPLY WITH FCC REGULATIONS

## CUSTOM DETUNING UNITS INCLUDE:

- All-Aluminum Weather Proof Housing with Hinged Key-locked Front Door and Provisions for Mounting onto Vertical Uprights
- Networks Offer Wide Tuning Range
- Copper Strap for RF Grounding
- Bowl Insulator Assembly for Attachment to Tower Detuning Skirt
- Complete Documentation



## DETUNING UNIT OPTIONS

- Fixed or Variable Inductors with Silver Plated Finish
- Mica or Vacuum Capacitors
- AC or DC Motor Drive with Limit Switches for Variable Inductors or Capacitors
- Motor Drive Control Unit
- Ammeters Installed on Meter Panel in Base Unit or on Meter Plug for Temporary Network Insertion
- Two or Three Terminal J-plugs for Impedance Measurement, Current Measurement or Skirt Grounding Purposes
- Toroidal Current Sampling Transformer to Aid in RF Adjustment



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