

### **Beam Tilt Exhibit to Application for License to Cover**

The following co-owned stations are utilizing a new shared antenna for which this is a common exhibit to the license to cover applications of: KYOT (95.5MHz.), KMPX (96.9 MHz.), KESZ (99.9 MHz.), KNIX-FM (102.5 MHz.), and KZZP (104.7 MHz.),

The additional of "First Null Fill" and electrical beam tilt to this shared antenna reduces the gain of the array at the horizon for all frequencies in use. The Beam Tilt for all 5 stations is  $-0.75^{\circ}$ . Attached are the Vertical Plane Relative Field plots for each stations frequency. Please see attached ERI antenna document packet that is part of the license to cover application for full details.

#### **Summary of Beam Tilt ERP values:**

Station: KYOT, 95.5 MHz; Max Power: 100 kW. At Horizon: 97.0 kW

Station: KMPX, 96.9 MHz; Max Power: 100 kW. At Horizon: 97.0 kW

Station: KESZ, 99.9 MHz; Max Power: 100 kW. At Horizon: 96.0 kW

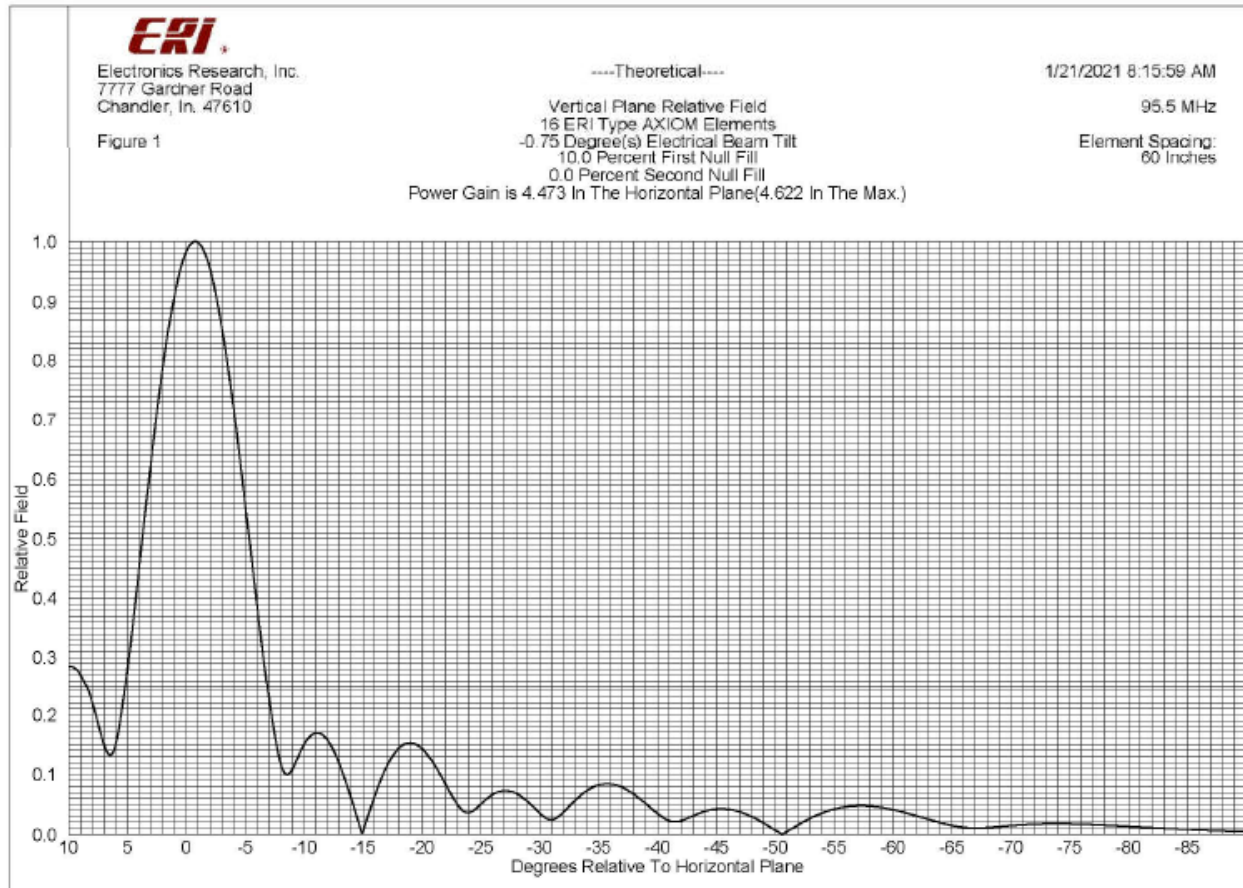
Station: KNIX-FM, 102.5 MHz; Max Power: 100 kW. At Horizon: 96.0 kW

Station: KZZP, 104.7 MHz; Max Power: 100 kW. At Horizon: 96.0 kW

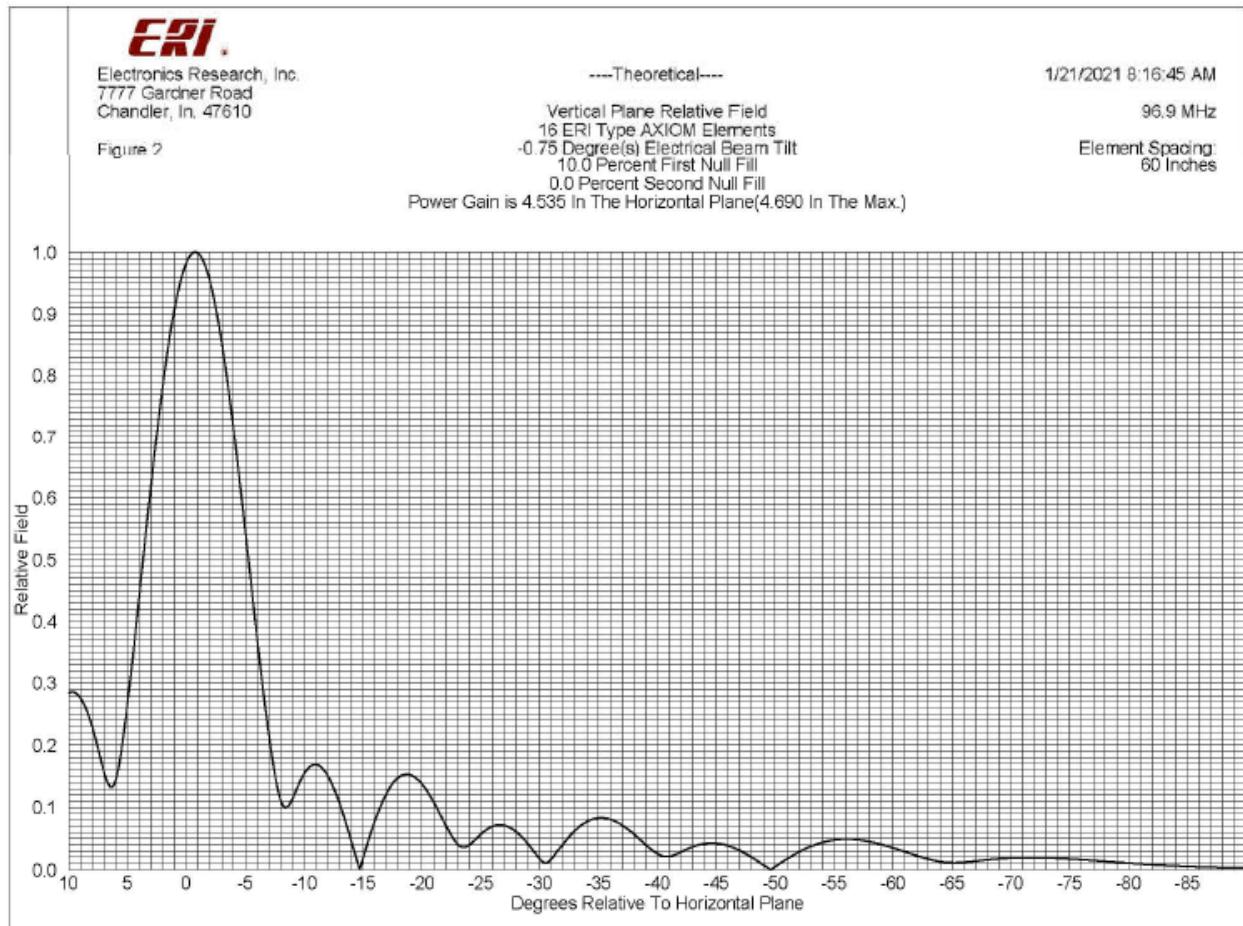


## Vertical Plane Relative Field Plots

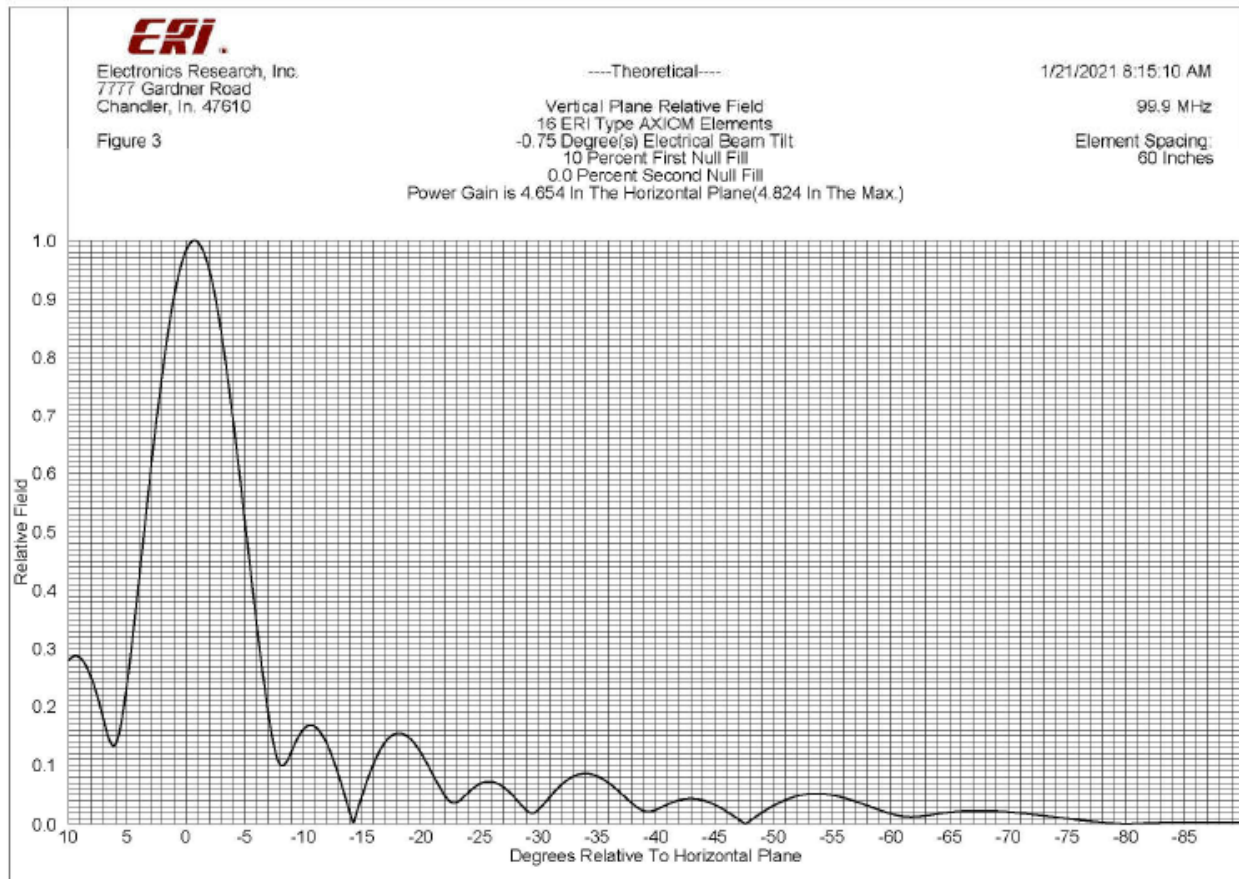
# 95.5 MHz KYOT



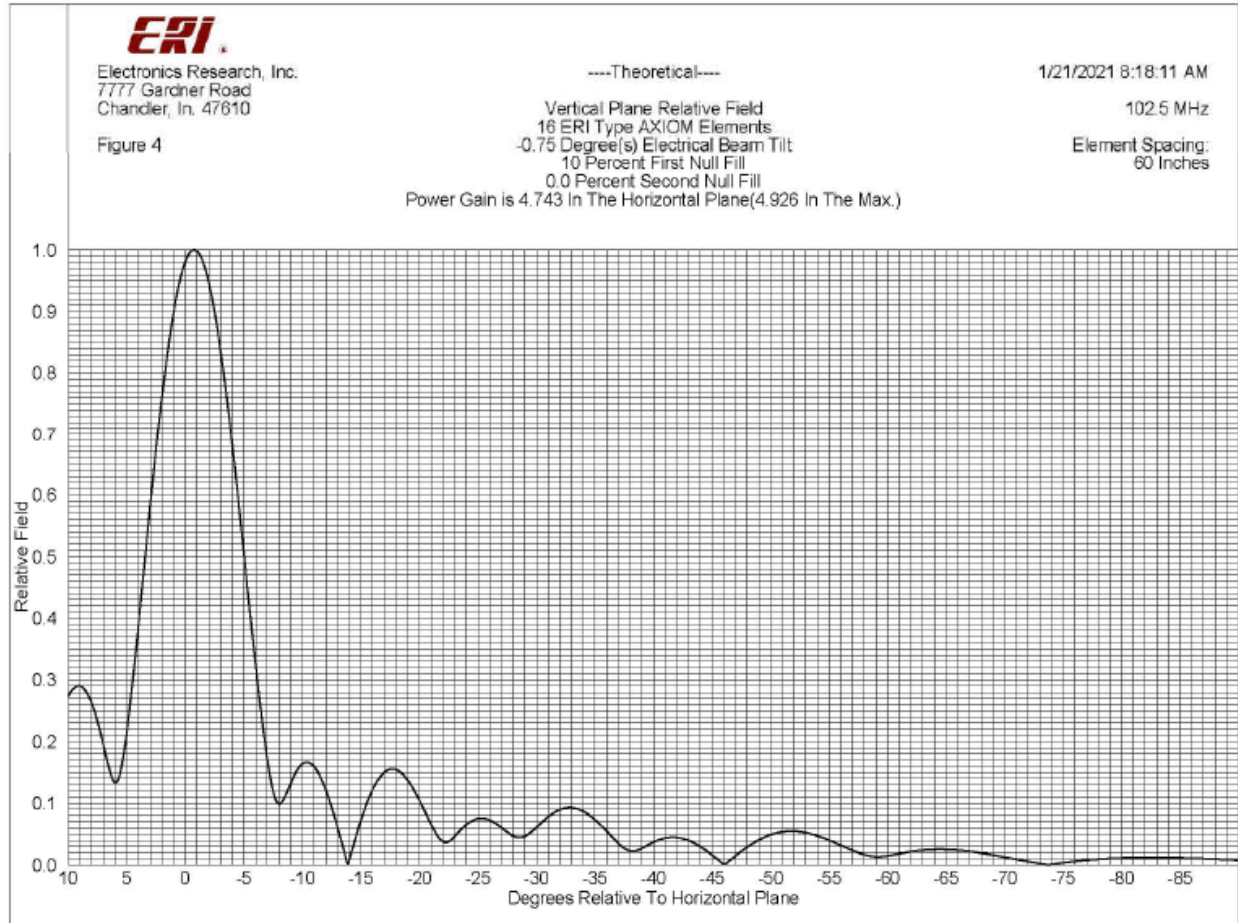
# 96.9 MHz KMPX



# 99.9 MHz KESZ



# KNIX-FM 102.5 MHz



# KZZP 104.7 MHz

