

EXHIBIT E-10RHS Figure #1. Vertical Pattern Plot ERI Model SHPX10-AC-SP Antenna

ELECTRONICS RESEARCH, INC.
7777 GARDNER ROAD
CHANDLER, IN. 47610

THEORETICAL
VERTICAL PLANE RELATIVE FIELD

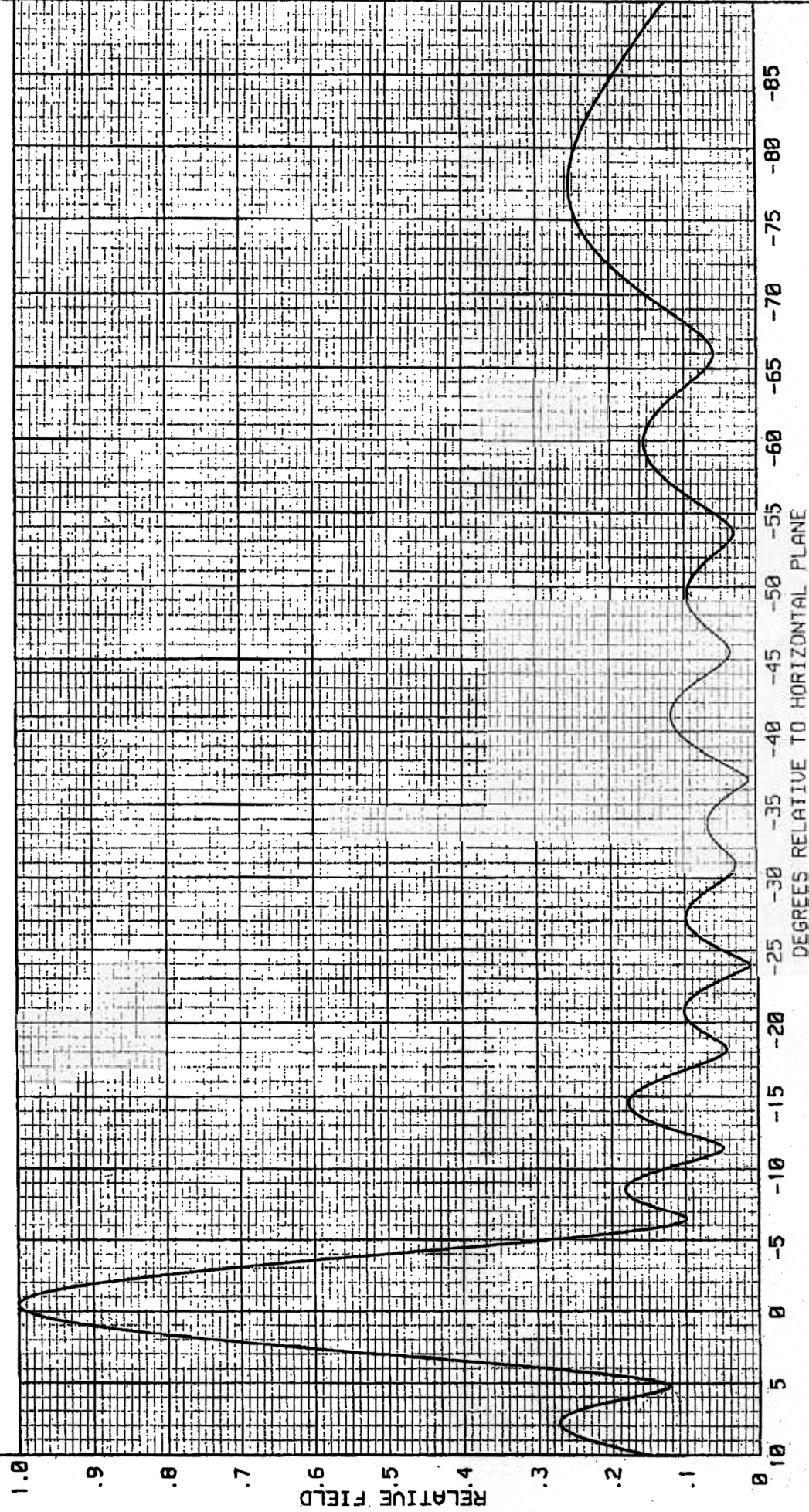
NOVEMBER 12, 1999

10 ERI TYPE SHP, SHPX, LP, OR LPX ELEMENTS
- .46 DEGREE(S) ELECTRICAL BEAM TILT
10 PERCENT FIRST NULL FILL
5 PERCENT SECOND NULL FILL

ELEMENT SPACING:
1.0 WAVELENGTH

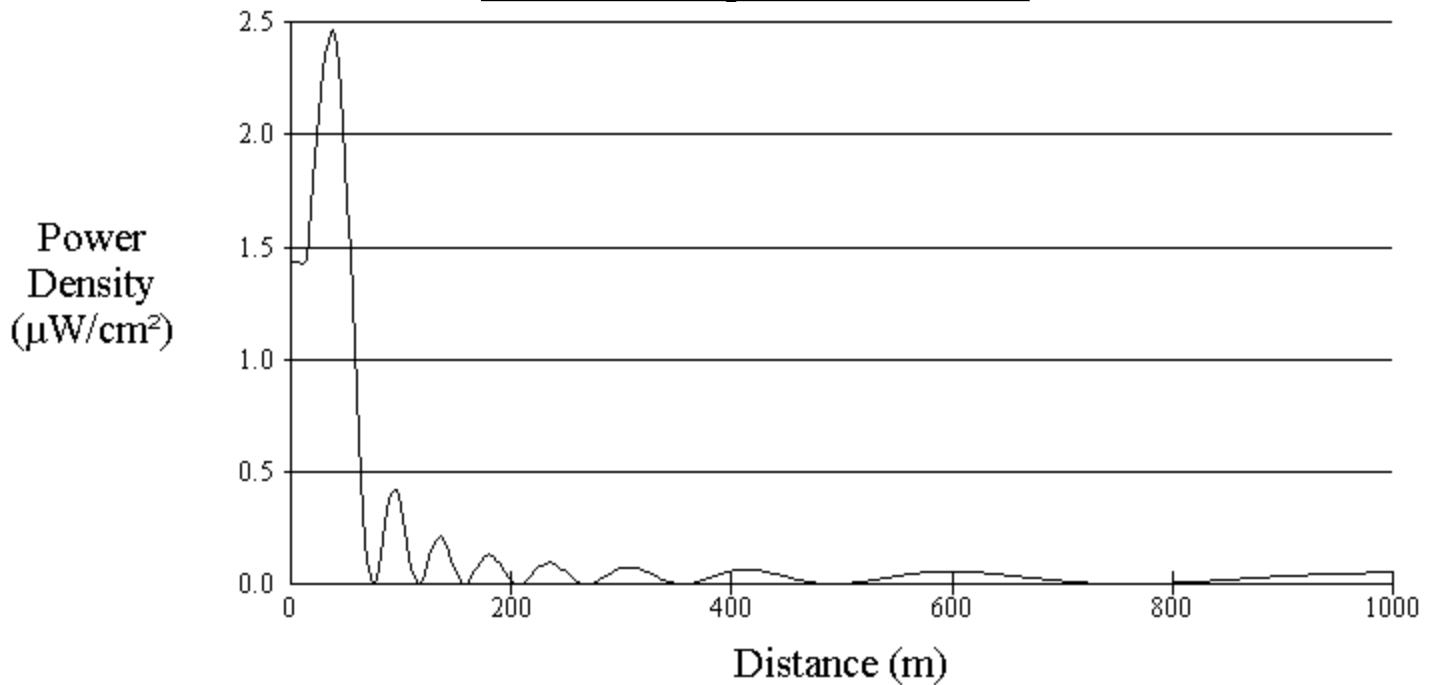
FIGURE 1

POWER GAIN IS 5.299 IN THE HORIZONTAL PLANE(5.406 IN THE MAX.)



Power Density vs Distance

EXHIBIT E-10 Figure #2. KEDJ AUX



Office of Engineering and Technology

Distance (m):	1000	Antenna Type:	ERI or JAMPRO JBCP "Rototiller" (EPA)
Horizontal ERP (W):	17200	Number of Elements:	10
Vertical ERP (W):	17200	Element Spacing:	1
Antenna Height (m):	157		

Maximum RFR Power Density = 2.4609 uW/cm2 at a distance of 38 meters from the base of the antenna support structure, 2 meters above ground level.

Antenna Manufacturer & Model: Electronics Research, Inc. (ERI) Model: SHPX10-AC-SP, ten (10) bay full wavelength spaced non-directional antenna system.