

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

FIGURE 1

-----THEORETICAL-----  
VERTICAL PLANE RELATIVE FIELD

6 ERI TYPE SHPX ROTOTILLER(TM) ELEMENTS  
C UTILIZES MULTIPLE RIGID CENTERFEEDS J  
-1.33 DEGREE(S) ELECTRICAL BEAM TILT  
0 PERCENT FIRST NULL FILL  
0 PERCENT SECOND NULL FILL

MAY 16, 2011

ELEMENT SPACING:  
0.80 WAVELENGTH

POWER GAIN IS 2.772 IN THE HORIZONTAL PLANE(2.887 IN THE MAX.)

