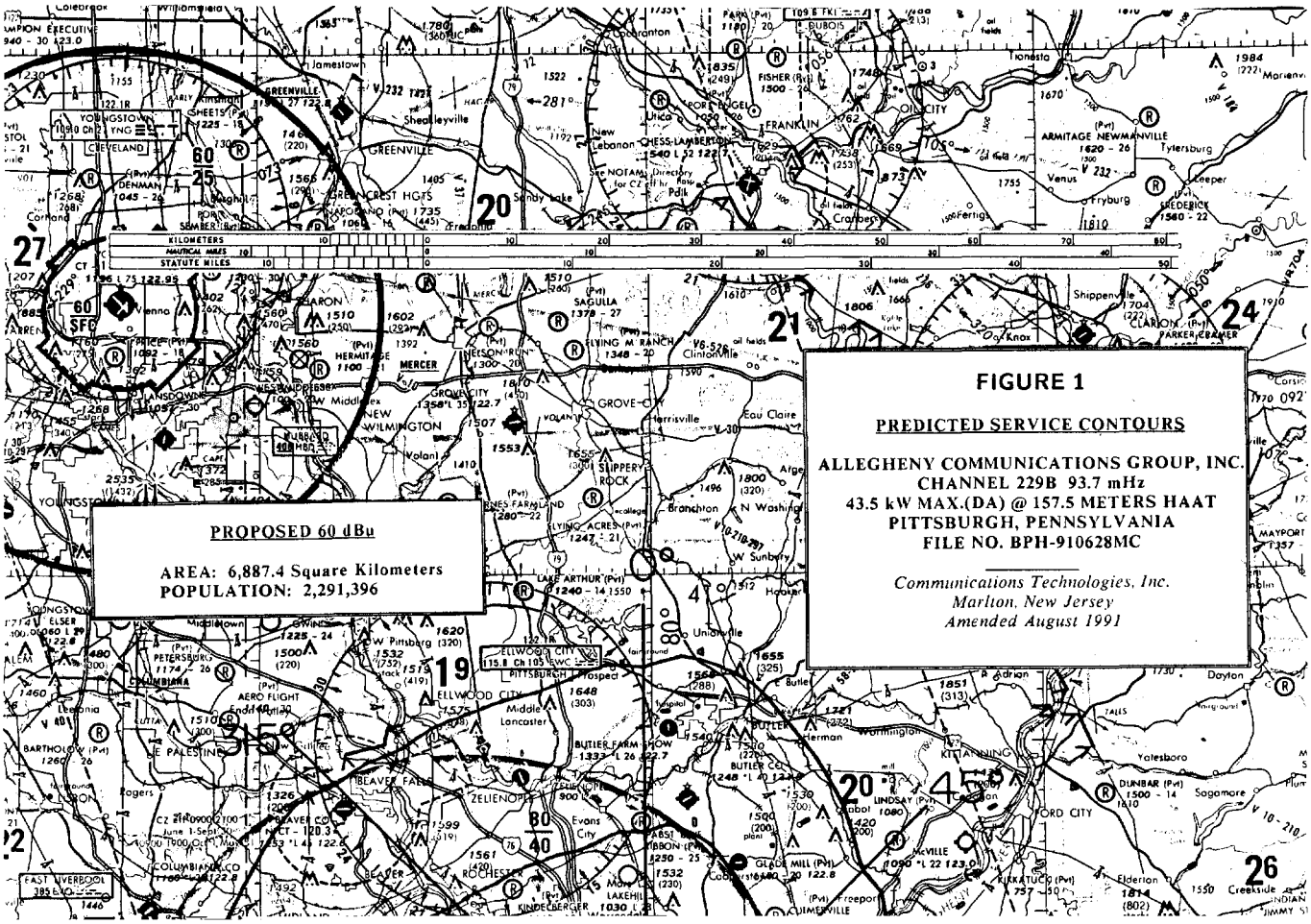

PROPOSED 60 dBu
AREA: 6,887.4 Square Kilometers
POPULATION: 2,291,396
FIGURE 1
PREDICTED SERVICE CONTOURS
ALLEGHENY COMMUNICATIONS GROUP, INC.
CHANNEL 229B 93.7 mHz
43.5 kW MAX.(DA) @ 157.5 METERS HAAT
PITTSBURGH, PENNSYLVANIA
FILE NO. BPH-910628MC
Communications Technologies, Inc.
Marlton, New Jersey
Amended August 1991

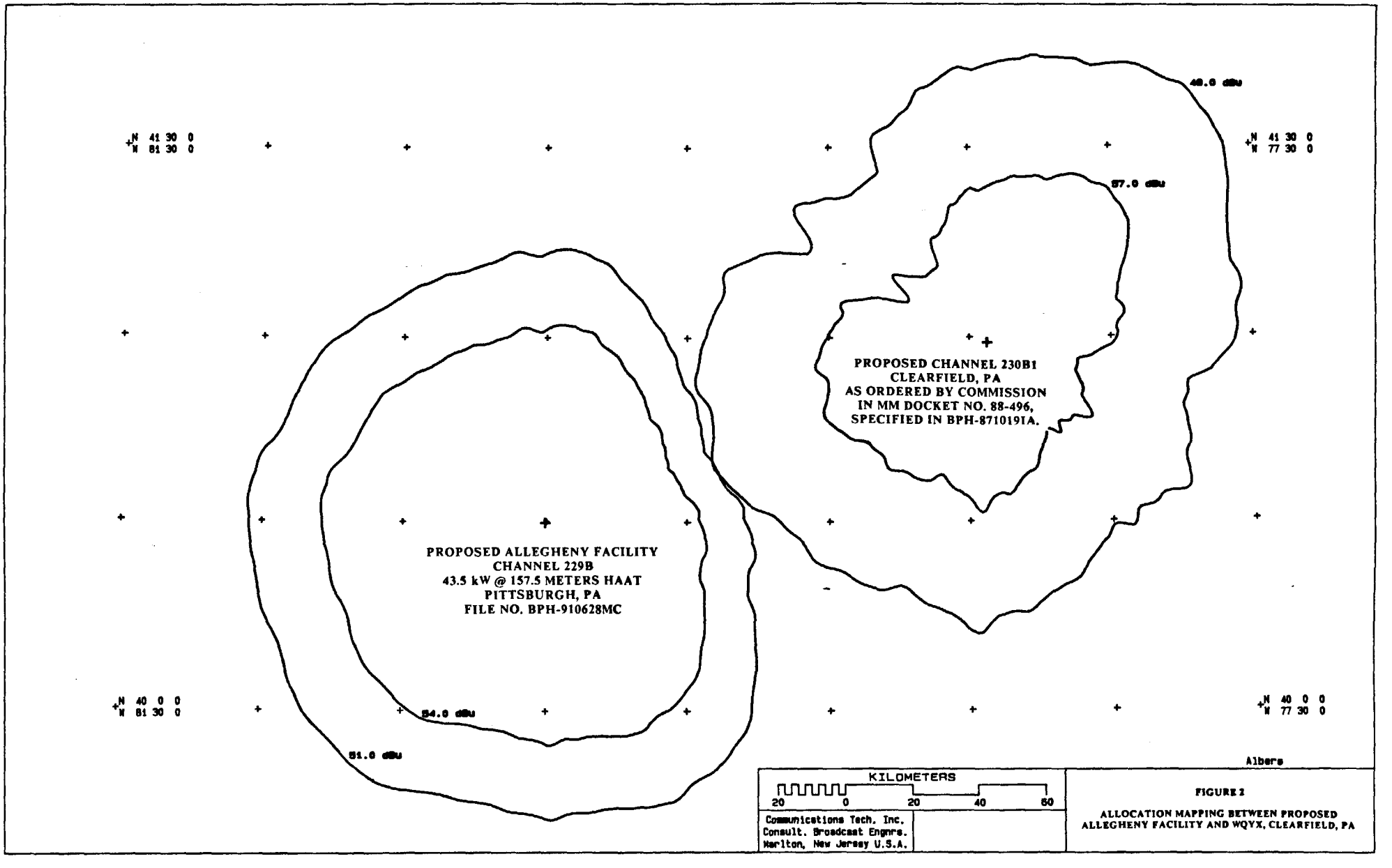


FIGURE 2

ALLOCATION MAPPING BETWEEN PROPOSED ALLEGHENY FACILITY AND WQYX, CLEARFIELD, PA

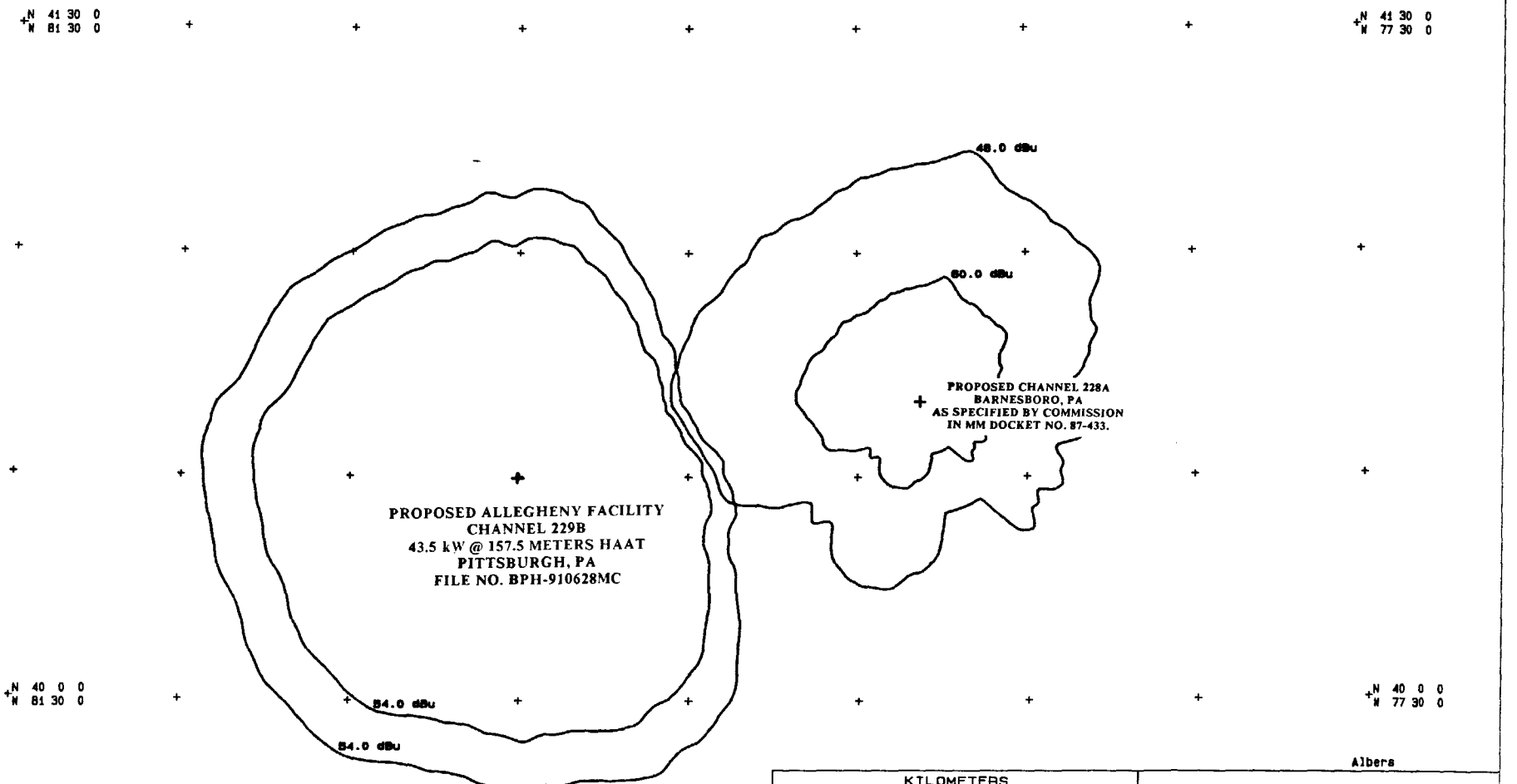
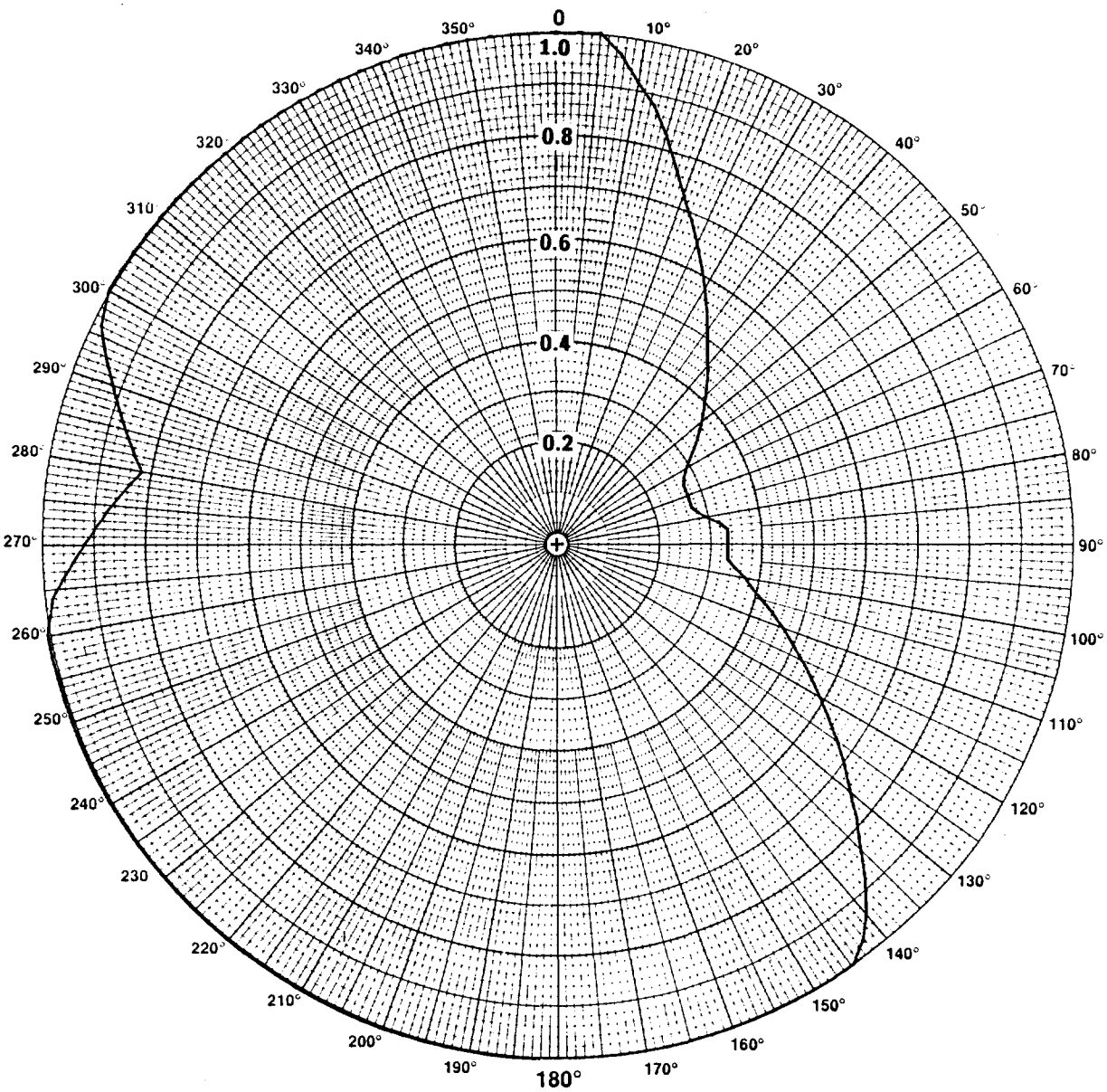


FIGURE 3

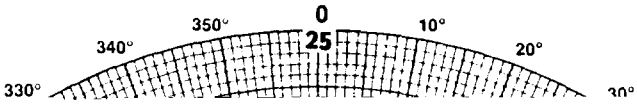
ALLOCATION MAPPING BETWEEN PROPOSED ALLEGHENY FACILITY AND PROPOSED CHANNEL 228A, BARNESBORO, PA

North Latitude: 40° 29' 49"
West Longitude: 80° 00' 17"



ORIENTATION: 202.5°
E R I DA-1005-3

North Latitude: 40° 29' 49"
West Longitude: 80° 00' 17"



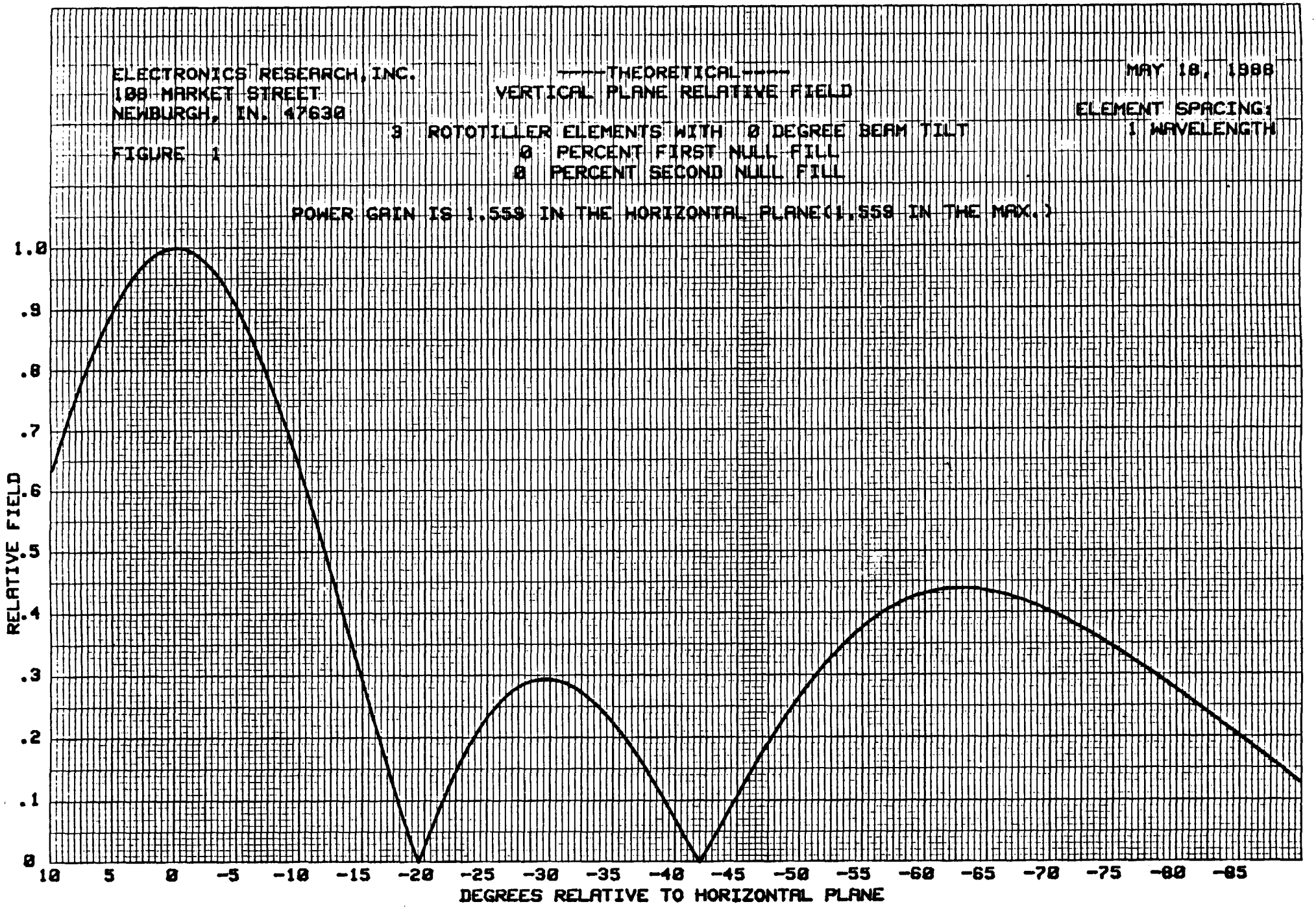

ELECTRONICS RESEARCH, INC.
108 MARKET STREET
NEWBURGH, IN. 47630
FIGURE 1
-----THEORETICAL-----
VERTICAL PLANE RELATIVE FIELD
3 ROTOTILLER ELEMENTS WITH 0 DEGREE BEAM TILT
0 PERCENT FIRST NULL FILL
0 PERCENT SECOND NULL FILL
POWER GAIN IS 1.559 IN THE HORIZONTAL PLANE(1.559 IN THE MAX.)
MAY 18, 1988
ELEMENT SPACING:
1 WAVELENGTH
RELATIVE FIELD
1.0
.9
.8
.7
.6
.5
.4
.3
.2
.1
0
10 5 0 -5 -10 -15 -20 -25 -30 -35 -40 -45 -50 -55 -60 -65 -70 -75 -80 -85
DEGREES RELATIVE TO HORIZONTAL PLANE

FIGURE 6