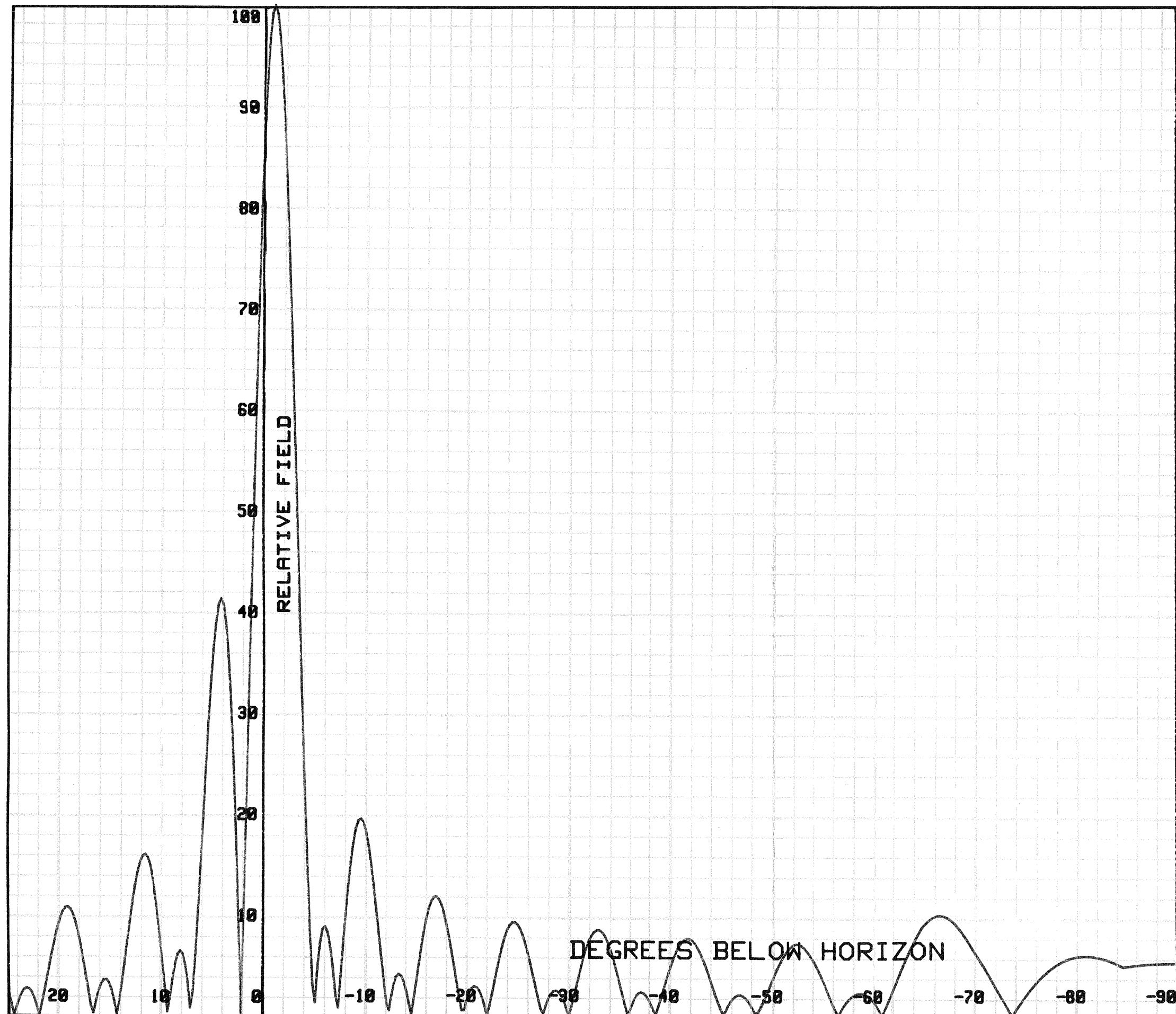


Exhibit 9

Theoretical Vertical Plane Radiation Pattern



DIELECTRIC COMMUNICATIONS

RAYMOND, MAINE 04071 • TEL. (207) 655-4555
TWX 710-229-6890 TEL. 800-341-9678

ELEVATION PATTERN

PANEL TYPE: DCR-C16

NO. OF BAYS: 16

FREQUENCY: 107.9 MHZ

STATION: KFMW-FM

BEAM TILT: 1.0

NULL FILL: 0

GAIN: Power dB

MAIN LOBE: 8.06-C 9.07-C

AT HORIZON: 6.13-C 7.87-C

THIS PATTERN HAS BEEN RUN
BY Jay Martin.

THE PATTERN IS A VECTORIAL
SUMMATION OF MULTIPLE IN-
DIVIDUAL PANELS ORIENTED
AS A VERTICAL ARRAY. THE
DATA FOR THE INDIVIDUAL
PANEL IS: CAL, X MEAS.

REMARKS:

CIRCULAR POL

DATE: 10/30/86

DIELECTRIC REF:

FIGURE NO: 1