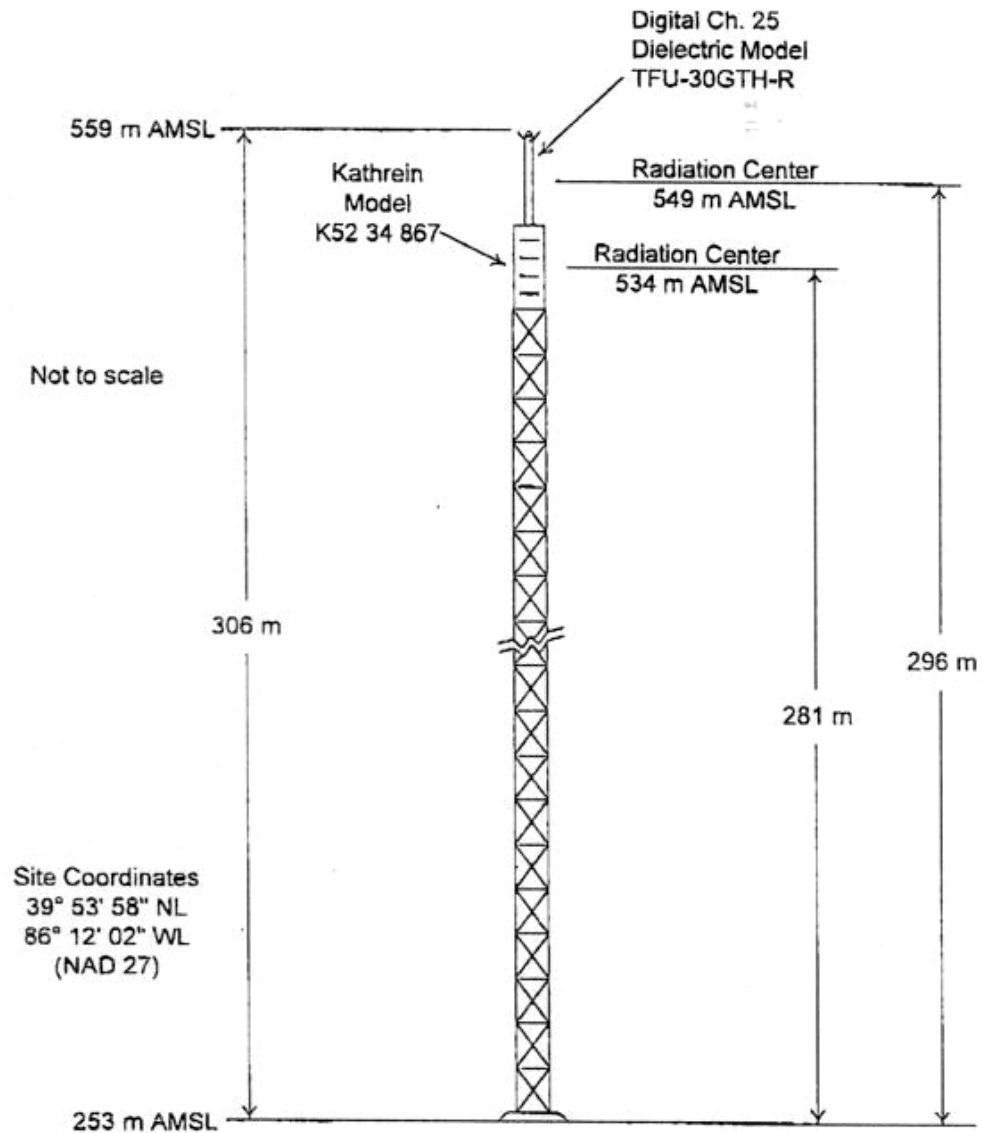


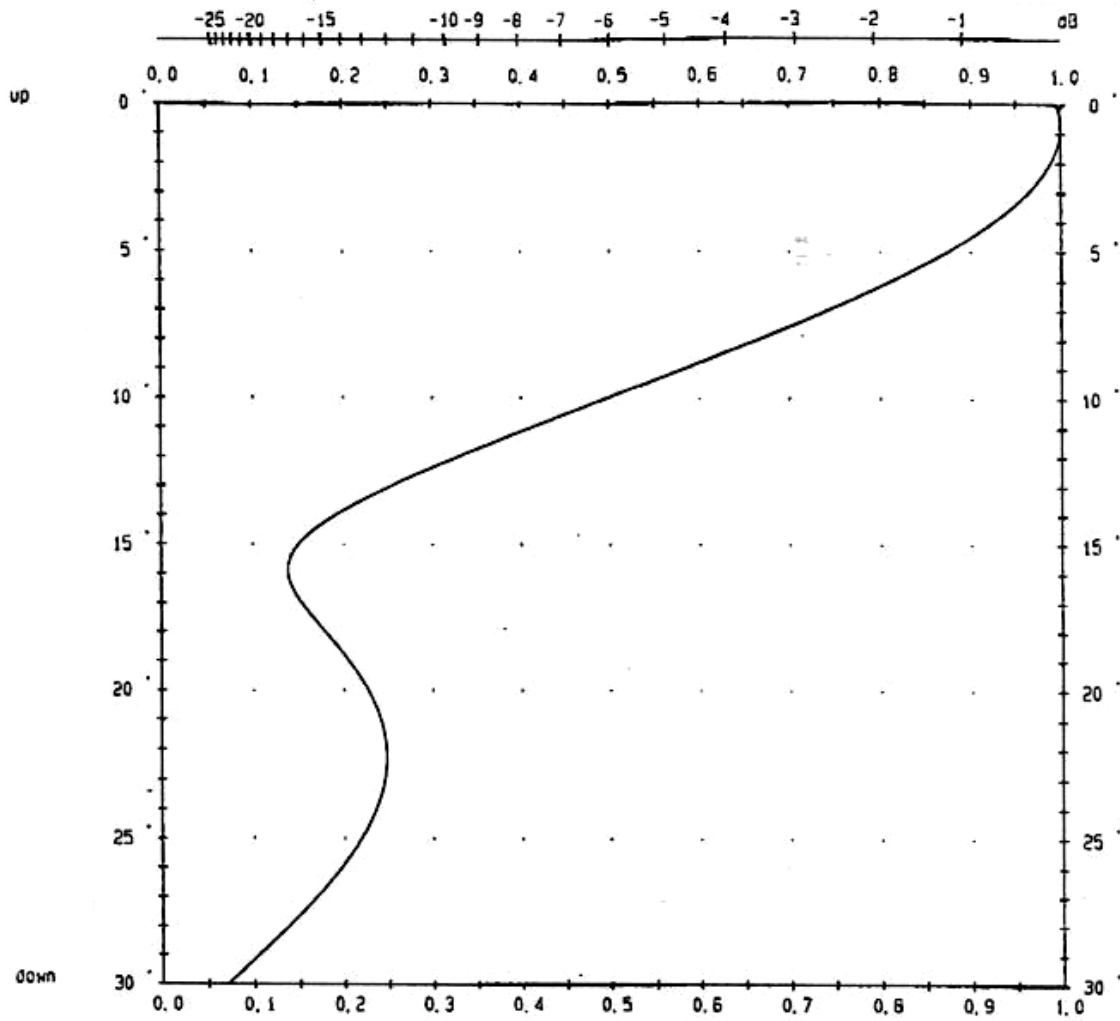
FEBRUARY 1999



PROPOSED ANTENNA AND SUPPORTING TOWER

MCGRW-HILL BROADCASTING COMPANY, INC.
INDIANAPOLIS, INDIANA
CH 6 100 KW 279 METERS

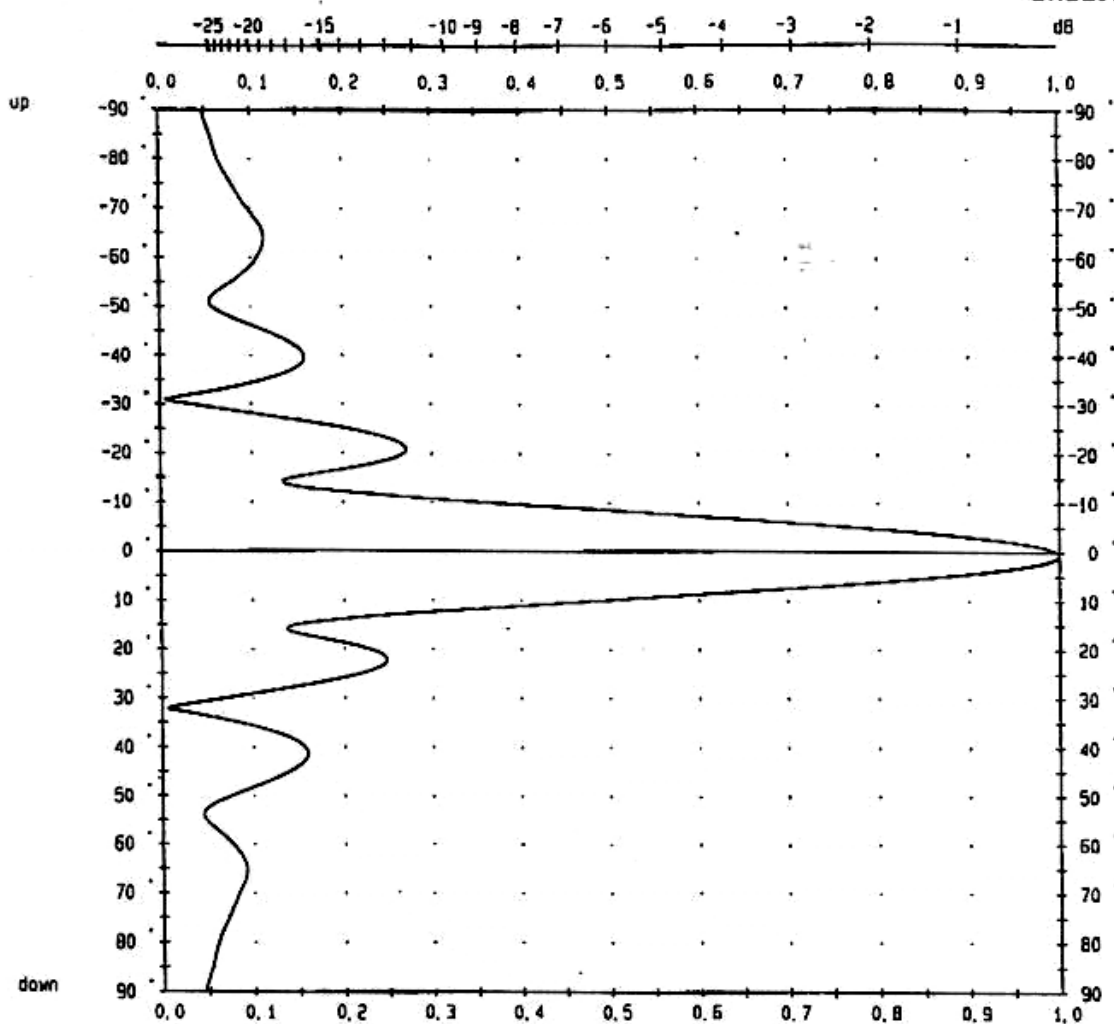
Jules Cohen, P.E. Consulting Engineer



frequency in MHz 83.250
 azimuth in .0
 omni-dir in dBd

Design with panels K 52 34 867

S C A L A Medford Oregon	Ch.6 Panel Antenna on 10' triangular tower	Type No.
MM 21.1.99 18:38	Indianapolis, IN	81..



frequency in MHz 83.250
 azimuth in 0
 omni-dir in dBd 6.56

Design with panels K 52 34 867

S C A L A Medford Oregon	Ch.6 Panel Antenna on 10' triangular twr	Typ Nr.
MM 21.1.99 18:35	Indianapolis, IN	B1..

**ENGINEERING EXHIBIT
APPLICATION FOR CONSTRUCTION PERMIT
McGRAW-HILL BROADCASTING COMPANY, INC.
INDIANAPOLIS, INDIANA
CH 6 100 KW 279 METERS**

Vertical Plane Radiation Pattern Data

<u>Vertical Plane Angle</u> (degrees)	<u>Relative Field</u>
+10	0.360
+5	0.778
0	0.996
-1.1	1.000
-2	0.989
-3	0.964
-4	0.925
-5	0.873
-6	0.812
-10	0.494
-16	0.137
-22	0.247
-27	0.167
-32	0.007
-36	0.106
-41	0.156
-47	0.113
-54	0.013
-60	0.073
-65	0.088
-70	0.079
-75	0.068
-80	0.057
-85	0.051
-88	0.046
-90	0.044

Note: Negative angles are below horizontal.