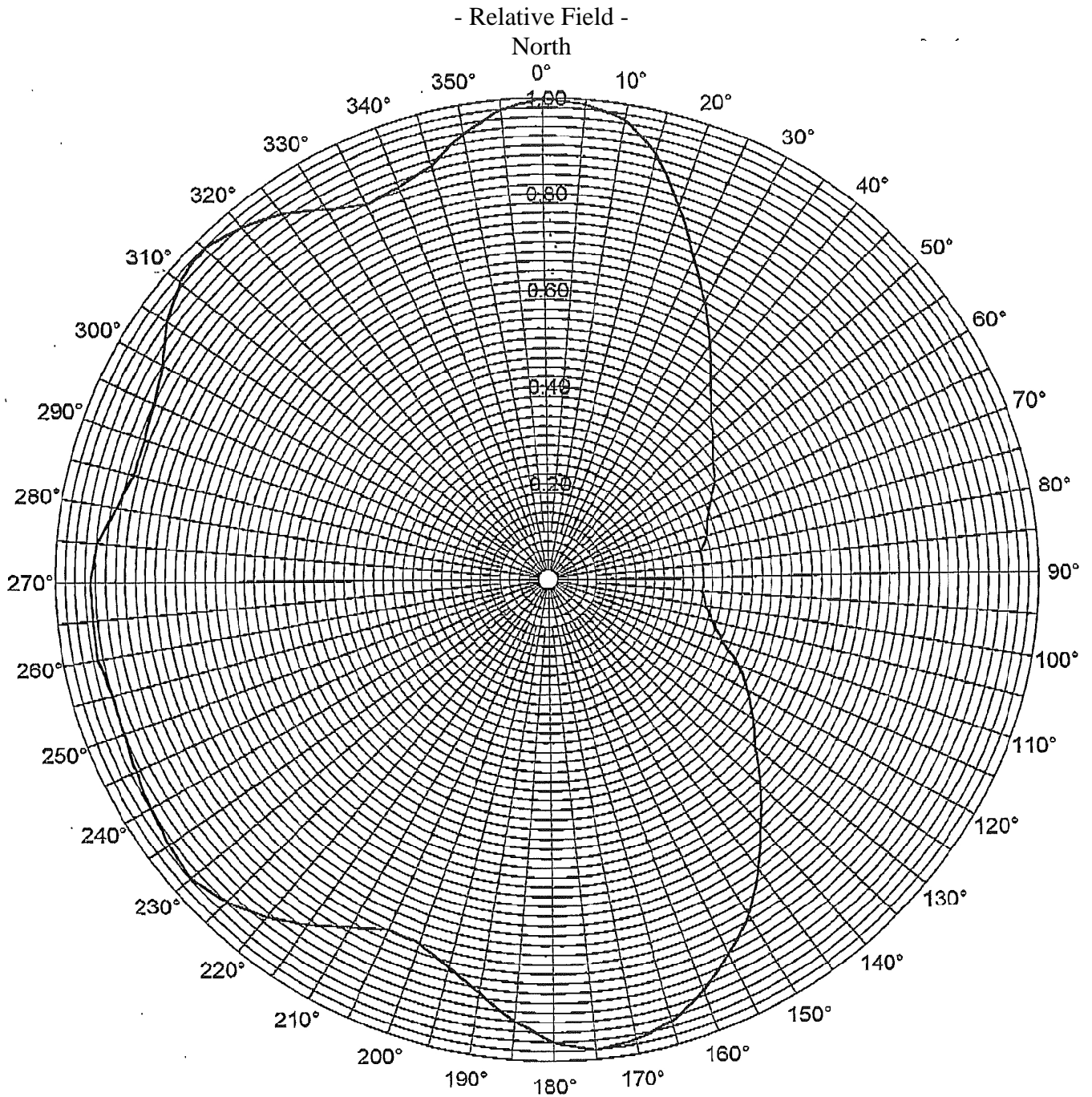


Existing Licensed Antenna
Horizontal Plane Pattern



Source: antenna manufacturer ADC



Existing Licensed Antenna
Horizontal Plane Pattern

TABULATION OF RELATIVE FIELDS

HORIZONTAL PLANE PATTERN

<u>Azimuth</u>	<u>Relative Field</u>	<u>Azimuth</u>	<u>Relative Field</u>
N 0° E	1.00	N 180° E	0.96
05	0.99	185	0.92
10	0.97	190	0.87
15	0.91	195	0.83
20	0.82	200	0.80
25	0.73	205	0.80
30	0.66	210	0.83
35	0.59	215	0.87
40	0.53	220	0.91
45	0.48	225	0.94
50	0.45	230	0.96
55	0.42	235	0.95
60	0.40	240	0.94
65	0.37	245	0.93
70	0.35	250	0.92
75	0.34	255	0.92
80	0.32	260	0.93
85	0.32	265	0.93
90	0.32	270	0.93
95	0.32	275	0.92
100	0.33	280	0.89
105	0.35	285	0.87
110	0.38	290	0.87
115	0.43	295	0.88
120	0.47	300	0.90
125	0.51	305	0.94
130	0.55	310	0.97
135	0.61	315	0.98
140	0.67	320	0.96
145	0.74	325	0.93
150	0.81	330	0.89
155	0.86	335	0.86
160	0.91	340	0.87
165	0.95	345	0.89
170	0.97	350	0.94
175	0.98	355	0.96

Source: antenna manufacturer ADC



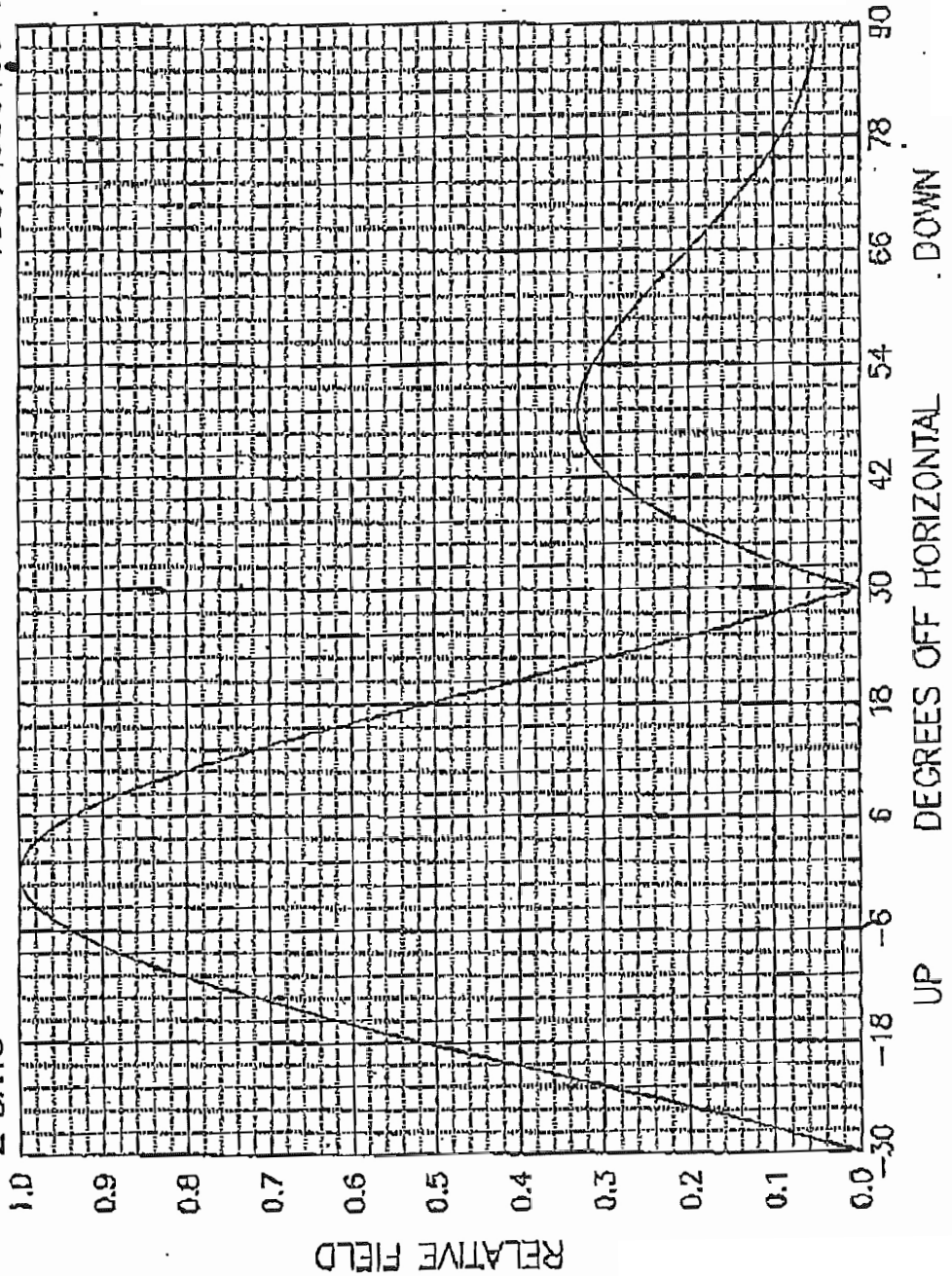
Existing Licensed Antenna
Vertical Plane Pattern



ELEVATION RADIATION PATTERN

CH 11 - MISSOULA
DOUBLE DIPOLE
2 BAYS

.8614950406-2



**Existing Licensed Antenna
Vertical Plane Pattern**

<u>Depression Angle</u>	<u>Relative Field</u>
-5°	0.952
-4	0.967
-3	0.982
-2	0.992
-1	0.998
0	1.000
1	0.999
2	0.995
3	0.987
4	0.972
5	0.960
6	0.940
7	0.922
8	0.893
9	0.866
10	0.836
15	0.645
20	0.420
25	0.200
30	0.001
35	0.143
40	0.260
45	0.320
50	0.329
55	0.306
60	0.263
65	0.214
70	0.162
75	0.112
80	0.080
85	0.060
90	0.050

Source: antenna manufacturer ADC

