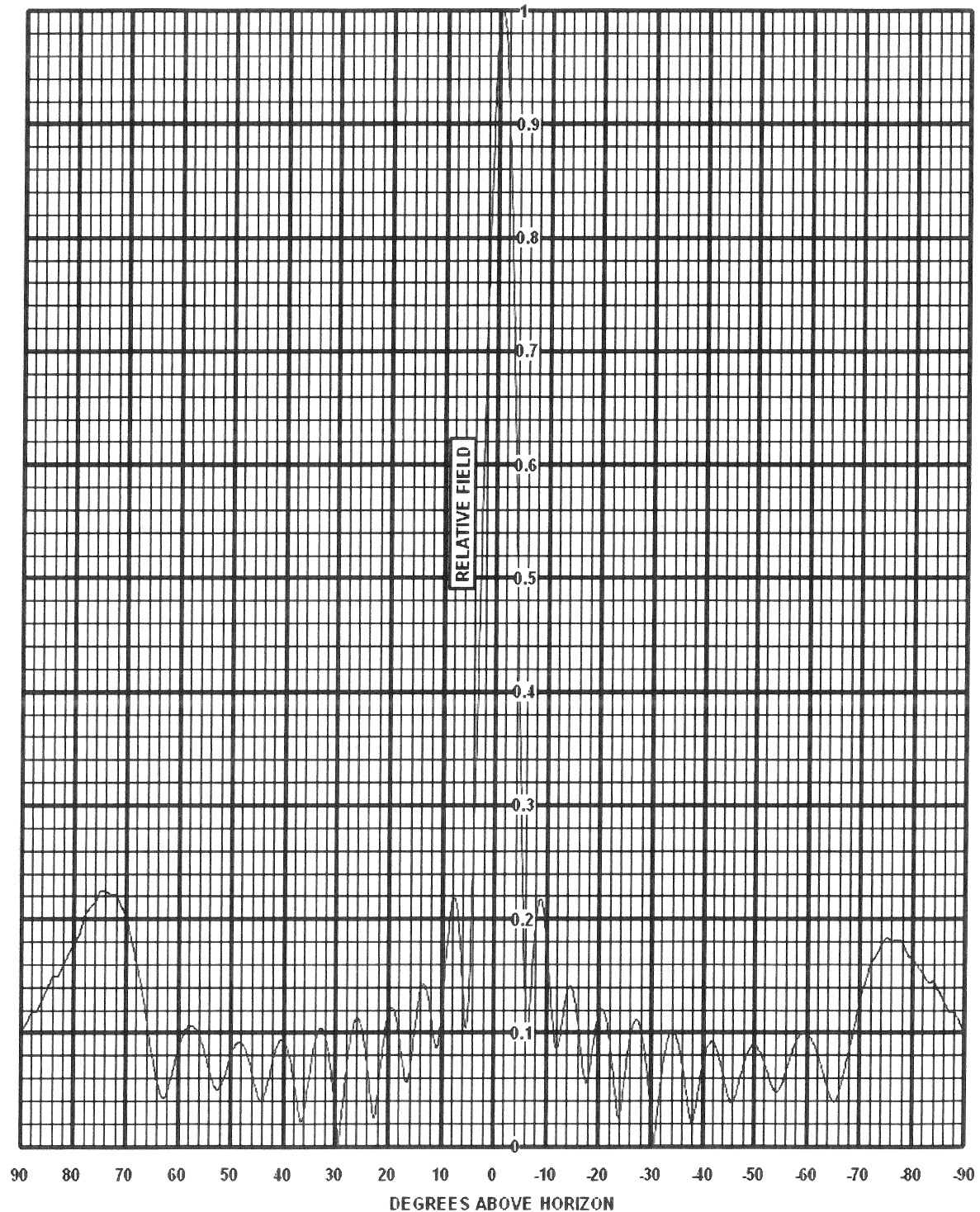




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COMPUTED ELEVATION PATTERN



Customer: WKAR-FM
Site: East Lansing, Mich.
Frequency: 90.5 MHz

Model: JHPC-10R
Description: FM Sidemount Antenna
-0.5° Beam Tilt, 10% Null Fill

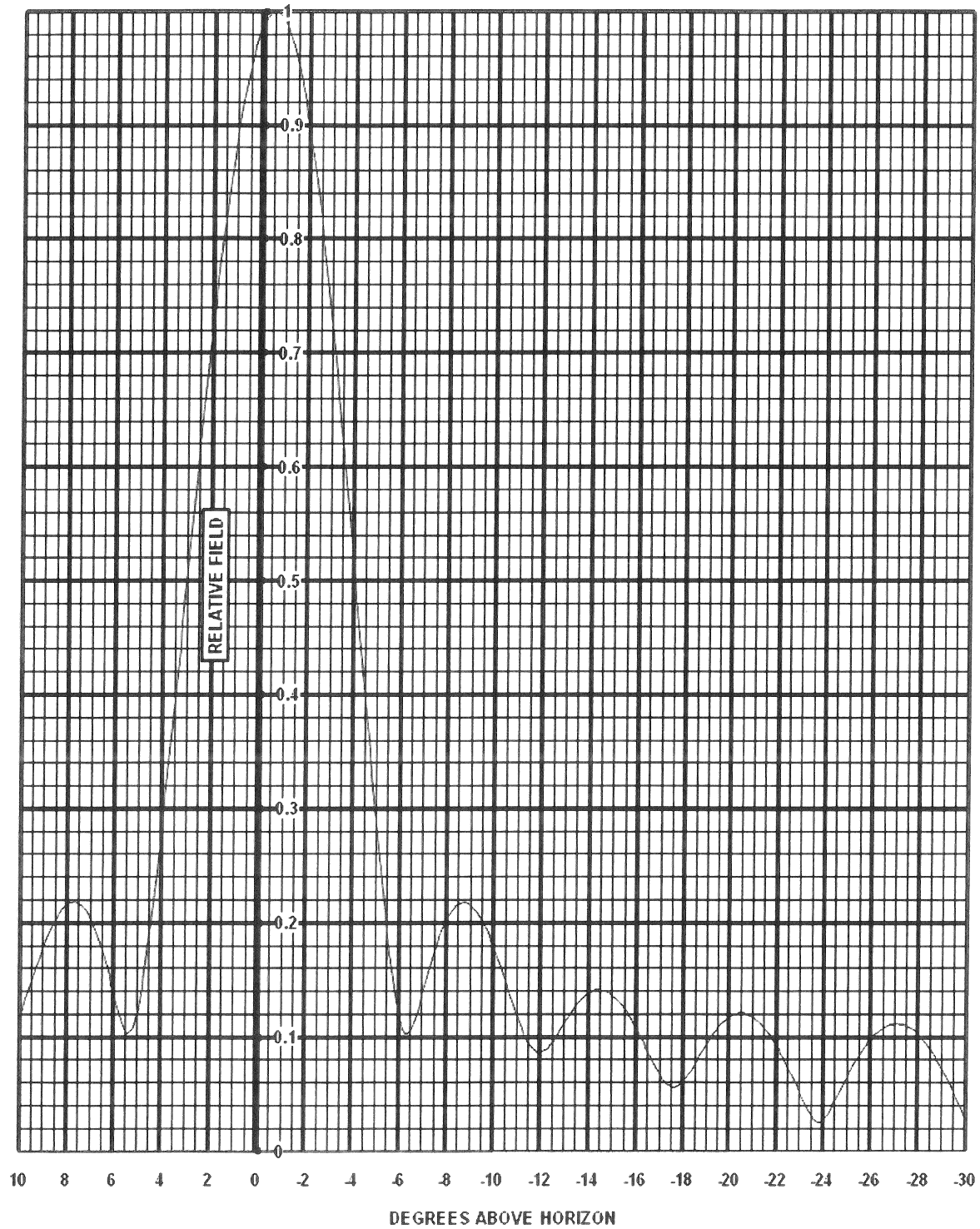


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ELEVATION PATTERN



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Elevation Pattern Tabulation

RELATIVE FIELD VS ELEVATION ANGLE

<u>ELEVATION</u> <u>ANGLE</u>	<u>RELATIVE</u> <u>FIELD</u>	<u>ELEVATION</u> <u>ANGLE</u>	<u>RELATIVE</u> <u>FIELD</u>	<u>ELEVATION</u> <u>ANGLE</u>	<u>RELATIVE</u> <u>FIELD</u>
10	0.118	-26	0.098	-61	0.092
9	0.179	-27	0.111	-62	0.081
8	0.216	-28	0.102	-63	0.065
7	0.204	-29	0.072	-64	0.050
6	0.138	-30	0.028	-65	0.040
5	0.120	-31	0.020	-66	0.046
4	0.287	-32	0.062	-67	0.065
3	0.509	-33	0.091	-68	0.086
2	0.725	-34	0.102	-69	0.109
1	0.895	-35	0.094	-70	0.130
0	0.988	-36	0.071	-71	0.145
-1	0.988	-37	0.040	-72	0.161
-2	0.894	-38	0.022	-73	0.168
-3	0.724	-39	0.047	-74	0.177
-4	0.509	-40	0.073	-75	0.184
-5	0.287	-41	0.089	-76	0.180
-6	0.120	-42	0.092	-77	0.181
-7	0.137	-43	0.081	-78	0.180
-8	0.202	-44	0.063	-79	0.169
-9	0.215	-45	0.044	-80	0.164
-10	0.179	-46	0.040	-81	0.158
-11	0.119	-47	0.055	-82	0.152
-12	0.086	-48	0.073	-83	0.144
-13	0.112	-49	0.085	-84	0.145
-14	0.138	-50	0.089	-85	0.137
-15	0.136	-51	0.083	-86	0.127
-16	0.107	-52	0.072	-87	0.118
-17	0.067	-53	0.057	-88	0.118
-18	0.061	-54	0.049	-89	0.109
-19	0.094	-55	0.052	-90	0.099
-20	0.118	-56	0.067		
-21	0.117	-57	0.081		
-22	0.093	-58	0.094		
-23	0.051	-59	0.099		
-24	0.027	-60	0.100		
-25	0.065				

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