

Values in Relative Field

Customer: WLLA-DT  
Site: Kalamazoo, Mich.  
Channel: 22

Model: JA/MS-10 / 22 THC  
Description: UHF Slot Antenna  
Notes: Horizontally Polarized



## Azimuth Pattern Tabulation

WLLA-DT  
Kalamazoo, MI

PROPOSED  
ERP =

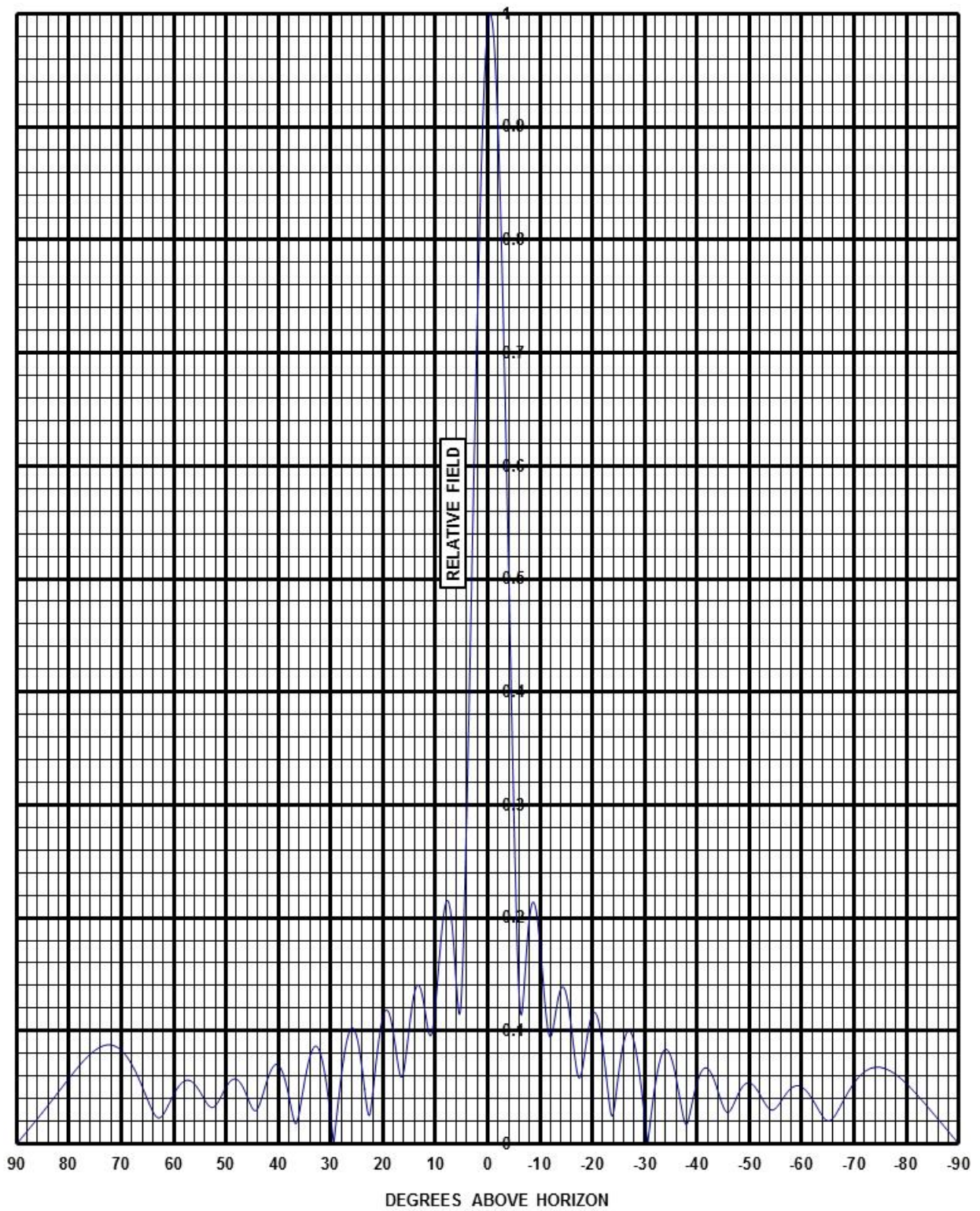
275

PATTERN  
KW

<u>AZIMUTH</u>	<u>FIELD</u>	<u>dB</u>	<u>ERP</u>	<u>dBK</u>
0	0.980	-0.175	264.11	24.22
10	0.960	-0.355	253.44	24.04
20	0.950	-0.446	248.19	23.95
30	0.980	-0.175	264.11	24.22
40	1.000	0.000	275.00	24.39
50	0.980	-0.175	264.11	24.22
60	0.950	-0.446	248.19	23.95
70	0.960	-0.355	253.44	24.04
80	0.980	-0.175	264.11	24.22
90	0.970	-0.265	258.75	24.13
100	0.890	-1.012	217.83	23.38
110	0.720	-2.853	142.56	21.54
120	0.520	-5.680	74.36	18.71
130	0.330	-9.630	29.95	14.76
140	0.240	-12.396	15.84	12.00
150	0.240	-12.396	15.84	12.00
160	0.230	-12.765	14.55	11.63
170	0.210	-13.556	12.13	10.84
180	0.200	-13.979	11.00	10.41
190	0.210	-13.556	12.13	10.84
200	0.220	-13.152	13.31	11.24
210	0.240	-12.396	15.84	12.00
220	0.250	-12.041	17.19	12.35
230	0.240	-12.396	15.84	12.00
240	0.220	-13.152	13.31	11.24
250	0.210	-13.556	12.13	10.84
260	0.200	-13.979	11.00	10.41
270	0.210	-13.556	12.13	10.84
280	0.230	-12.765	14.55	11.63
290	0.240	-12.396	15.84	12.00
300	0.240	-12.396	15.84	12.00
310	0.330	-9.630	29.95	14.76
320	0.520	-5.680	74.36	18.71
330	0.720	-2.853	142.56	21.54
340	0.890	-1.012	217.83	23.38
350	0.970	-0.265	258.75	24.13

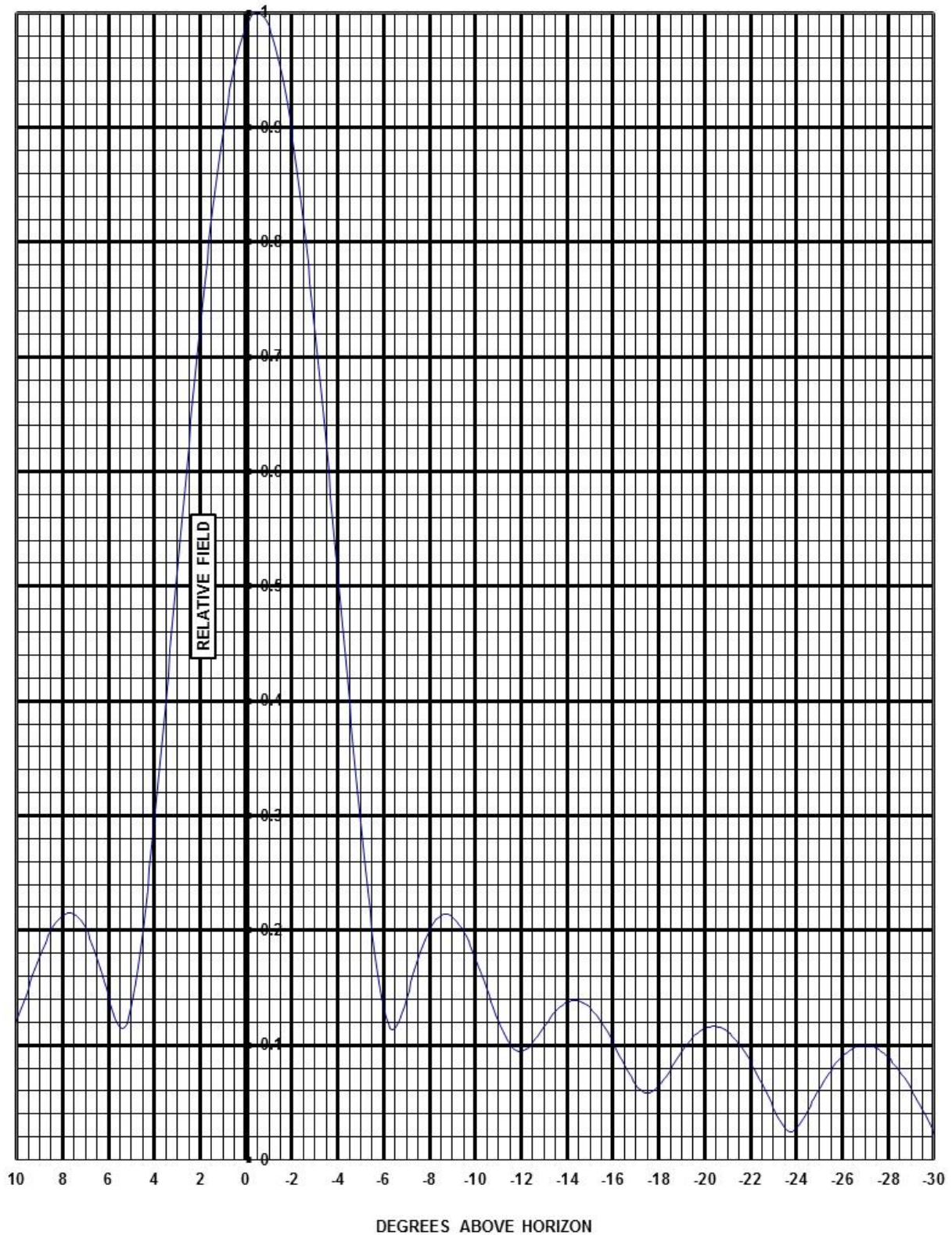
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**-0.5° Beam Tilt, 11% Null Fill**



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**-0.5° Beam Tilt, 11% Null Fill**





## Elevation Pattern Tabulation

### RELATIVE FIELD VS ELEVATION ANGLE

<u>ELEVATION ANGLE</u>	<u>RELATIVE FIELD</u>	<u>ELEVATION ANGLE</u>	<u>RELATIVE FIELD</u>	<u>ELEVATION ANGLE</u>	<u>RELATIVE FIELD</u>
10	0.122	-26	0.090	-61	0.046
9	0.177	-27	0.100	-62	0.040
8	0.213	-28	0.090	-63	0.032
7	0.202	-29	0.062	-64	0.024
6	0.142	-30	0.024	-65	0.020
5	0.132	-31	0.017	-66	0.023
4	0.294	-32	0.052	-67	0.030
3	0.513	-33	0.075	-68	0.038
2	0.727	-34	0.084	-69	0.047
1	0.896	-35	0.077	-70	0.054
0	0.988	-36	0.058	-71	0.059
-1	0.988	-37	0.033	-72	0.064
-2	0.894	-38	0.017	-73	0.066
-3	0.725	-39	0.035	-74	0.068
-4	0.511	-40	0.054	-75	0.068
-5	0.293	-41	0.065	-76	0.067
-6	0.132	-42	0.067	-77	0.064
-7	0.141	-43	0.060	-78	0.061
-8	0.200	-44	0.047	-79	0.057
-9	0.212	-45	0.033	-80	0.053
-10	0.176	-46	0.028	-81	0.049
-11	0.121	-47	0.035	-82	0.044
-12	0.095	-48	0.045	-83	0.038
-13	0.116	-49	0.052	-84	0.033
-14	0.137	-50	0.054	-85	0.028
-15	0.132	-51	0.051	-86	0.022
-16	0.102	-52	0.044	-87	0.017
-17	0.066	-53	0.036	-88	0.011
-18	0.064	-54	0.030	-89	0.006
-19	0.094	-55	0.031	-90	0.000
-20	0.115	-56	0.037		
-21	0.112	-57	0.044		
-22	0.086	-58	0.049		
-23	0.046	-59	0.051		
-24	0.027	-60	0.050		
-25	0.062				

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