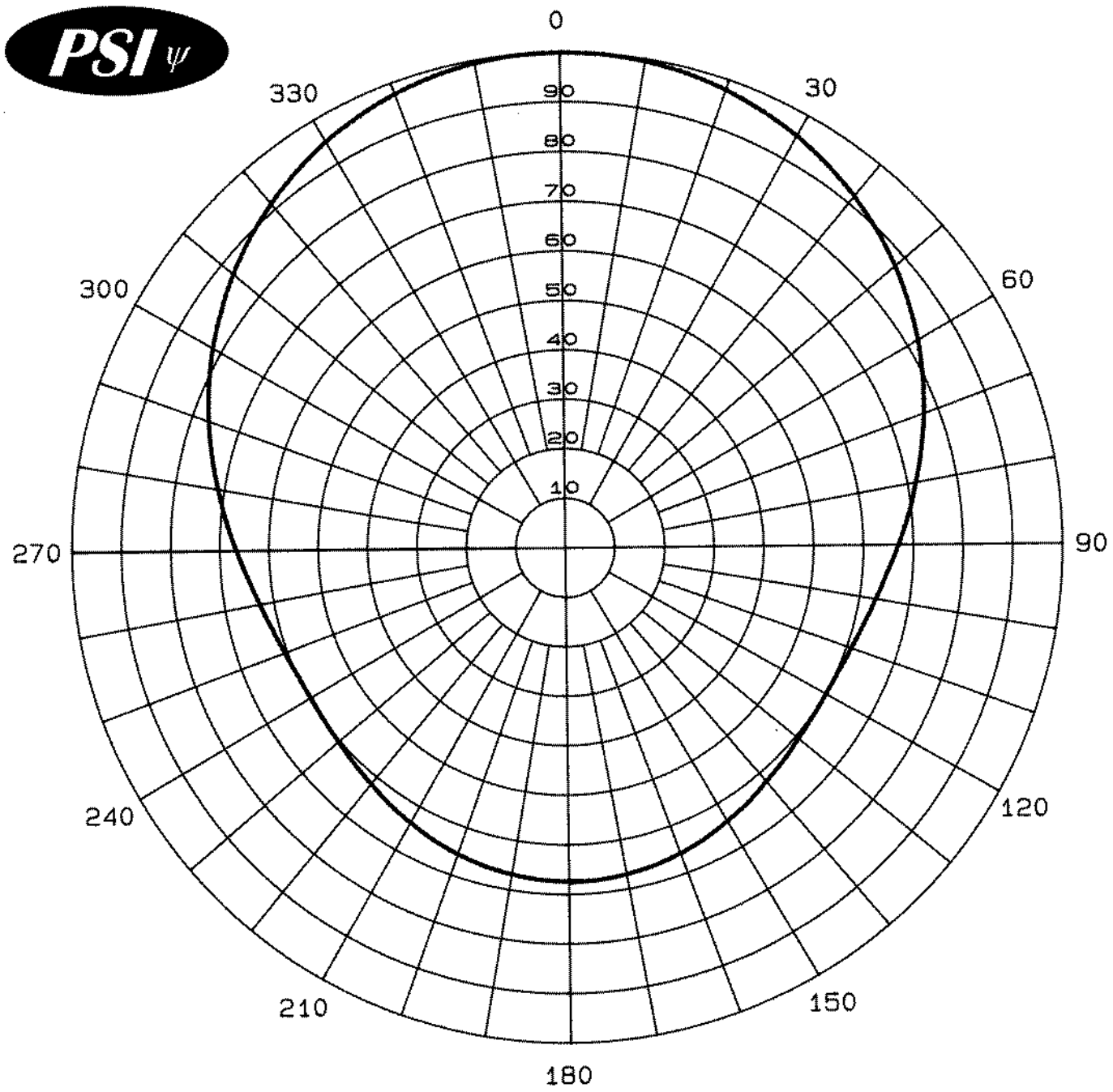


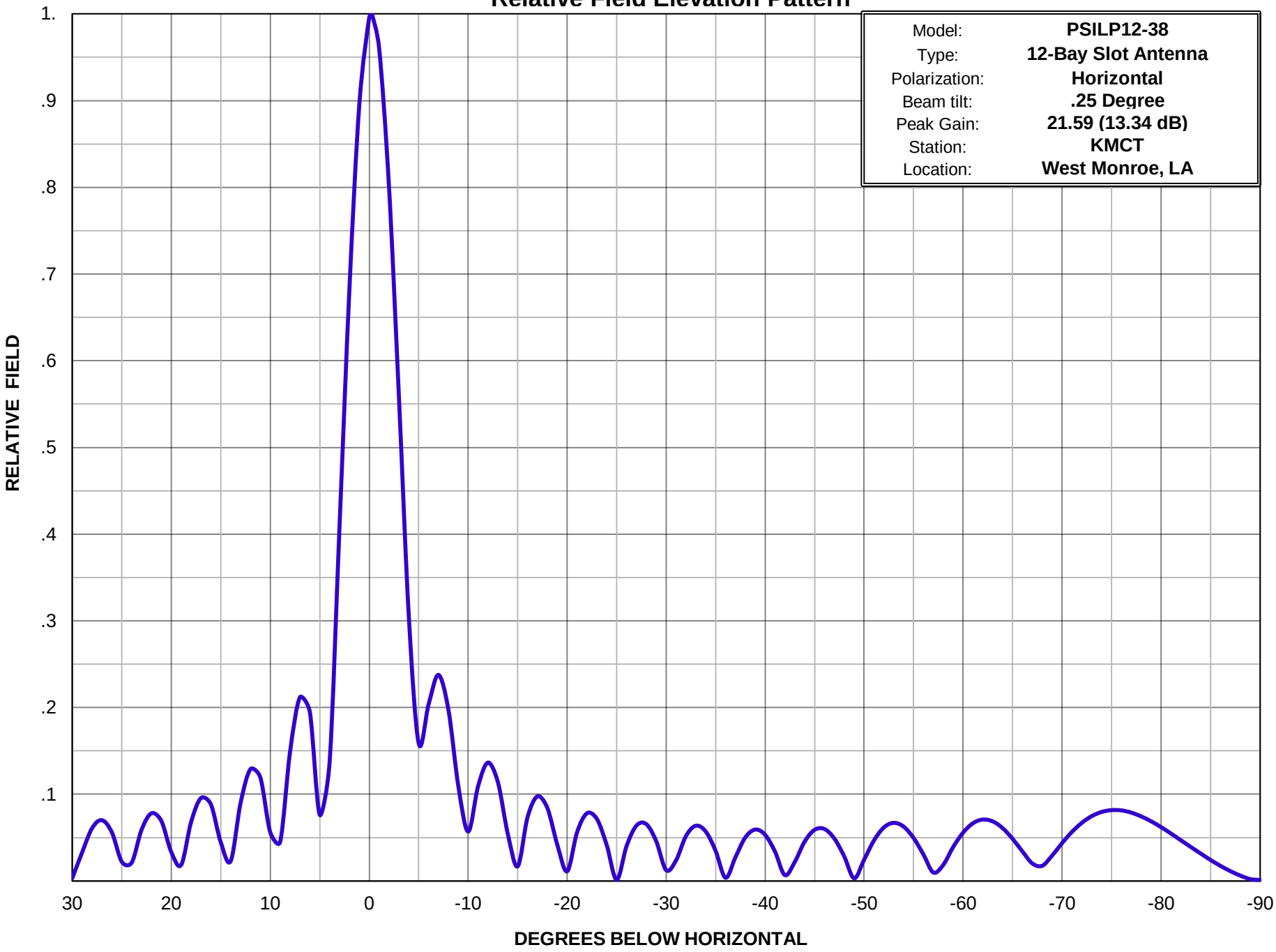
Calculated Relative Field
Azimuth Plane Pattern
Low Power UHF Slot
Antenna Type: PSILP
Pattern Type: OI
Directivity: 1.70 (2.314 dB)
Date: 7/1/97
Rev. 0

PROPAGATION SYSTEMS, INC.
PO BOX 113
EBENSBURG, PA. 15931

Propagation Systems, Inc.

Note: Channel 22 antenna of same model is expected to operate as indicated.

Relative Field Elevation Pattern



Propagation Systems Inc.

Elevation Pattern Tabulation

Antenna: PSILP12-38

Station: KMCT-TV

Location: West Monroe, LA

Angle	Field	dB	Angle	Field	dB	Angle	Field	dB
-90.0	0.001	-60.000	-50.0	0.024	-32.254	-10.0	0.057	-24.887
-89.0	0.002	-53.468	-49.0	0.003	-50.370	-9.0	0.110	-19.196
-88.0	0.006	-44.135	-48.0	0.028	-31.001	-8.0	0.198	-14.085
-87.0	0.011	-38.890	-47.0	0.049	-26.234	-7.0	0.238	-12.484
-86.0	0.017	-35.177	-46.0	0.060	-24.459	-6.0	0.204	-13.823
-85.0	0.024	-32.308	-45.0	0.059	-24.592	-5.0	0.159	-15.984
-84.0	0.032	-29.988	-44.0	0.045	-26.848	-4.0	0.305	-10.305
-83.0	0.039	-28.125	-43.0	0.022	-33.164	-3.0	0.558	-5.060
-82.0	0.047	-26.564	-42.0	0.007	-43.522	-2.0	0.800	-1.935
-81.0	0.055	-25.241	-41.0	0.034	-29.425	-1.0	0.961	-0.349
-80.0	0.062	-24.135	-40.0	0.053	-25.485	0.0	0.996	-0.036
-79.0	0.069	-23.250	-39.0	0.059	-24.547	1.0	0.896	-0.958
-78.0	0.074	-22.569	-38.0	0.050	-25.994	2.0	0.683	-3.309
-77.0	0.079	-22.071	-37.0	0.027	-31.285	3.0	0.409	-7.757
-76.0	0.081	-21.791	-36.0	0.004	-48.787	4.0	0.137	-17.239
-75.0	0.082	-21.759	-35.0	0.035	-29.194	5.0	0.076	-22.360
-74.0	0.080	-21.988	-34.0	0.057	-24.887	6.0	0.195	-14.206
-73.0	0.075	-22.534	-33.0	0.064	-23.926	7.0	0.212	-13.475
-72.0	0.067	-23.482	-32.0	0.052	-25.736	8.0	0.149	-16.540
-71.0	0.057	-24.957	-31.0	0.024	-32.528	9.0	0.045	-26.936
-70.0	0.043	-27.233	-30.0	0.012	-38.115	10.0	0.056	-25.027
-69.0	0.029	-30.680	-29.0	0.046	-26.791	11.0	0.119	-18.471
-68.0	0.017	-35.177	-28.0	0.065	-23.681	12.0	0.129	-17.792
-67.0	0.020	-33.914	-27.0	0.064	-23.905	13.0	0.090	-20.930
-66.0	0.034	-29.386	-26.0	0.040	-27.926	14.0	0.023	-32.811
-65.0	0.049	-26.261	-25.0	0.001	-58.329	15.0	0.045	-27.024
-64.0	0.061	-24.306	-24.0	0.041	-27.700	16.0	0.088	-21.078
-63.0	0.069	-23.269	-23.0	0.072	-22.912	17.0	0.096	-20.390
-62.0	0.071	-23.005	-22.0	0.078	-22.155	18.0	0.068	-23.365
-61.0	0.067	-23.542	-21.0	0.056	-25.027	19.0	0.018	-34.664
-60.0	0.056	-25.098	-20.0	0.011	-39.124	20.0	0.033	-29.542
-59.0	0.039	-28.158	-19.0	0.042	-27.541	21.0	0.069	-23.212
-58.0	0.018	-34.664	-18.0	0.084	-21.505	22.0	0.078	-22.155
-57.0	0.010	-40.267	-17.0	0.098	-20.213	23.0	0.059	-24.570
-56.0	0.030	-30.327	-16.0	0.074	-22.658	24.0	0.021	-33.531
-55.0	0.050	-26.100	-15.0	0.017	-35.484	25.0	0.022	-33.104
-54.0	0.063	-24.072	-14.0	0.054	-25.289	26.0	0.056	-25.050
-53.0	0.067	-23.482	-13.0	0.114	-18.867	27.0	0.070	-23.098
-52.0	0.062	-24.199	-12.0	0.137	-17.296	28.0	0.061	-24.306
-51.0	0.047	-26.620	-11.0	0.109	-19.232	29.0	0.033	-29.582