



Calculated Relative Field  
Azimuth Plane Pattern  
Low Power UHF Slot  
Antenna Type: PSILP  
Pattern Type: BG  
Directivity: 3.0 (4.7 dB)  
Date: 7/1/97  
Rev. 0

**PROPAGATION SYSTEMS, INC.**  
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## PROPAGATION SYSTEMS INC.

### Relative Field Tabulation

Antenna Model: PSILP4BG-48

Gain: 13.8 (11.4 dBd)

Ref: WQSJ

Angle	Relative Field	Power Gain	Gain dB
0	0.360	1.79	2.52
10	0.390	2.10	3.22
20	0.390	2.10	3.22
30	0.400	2.21	3.44
40	0.510	3.59	5.55
50	0.790	8.61	9.35
60	0.930	11.94	10.77
70	0.990	13.53	11.31
75	1.000	13.80	11.40
80	0.980	13.25	11.22
90	0.890	10.93	10.39
100	0.690	6.57	8.18
110	0.510	3.59	5.55
120	0.370	1.89	2.76
130	0.270	1.01	0.03
140	0.200	0.55	-2.58
150	0.180	0.45	-3.50
160	0.190	0.50	-3.03
170	0.200	0.55	-2.58
180	0.210	0.61	-2.16
190	0.200	0.55	-2.58
200	0.190	0.50	-3.03
210	0.180	0.45	-3.50
220	0.200	0.55	-2.58
230	0.270	1.01	0.03
240	0.370	1.89	2.76
250	0.510	3.59	5.55
260	0.690	6.57	8.18
270	0.890	10.93	10.39
280	0.980	13.25	11.22
285	1.000	13.80	11.40
290	0.990	13.53	11.31
300	0.930	11.94	10.77
310	0.790	8.61	9.35
320	0.510	3.59	5.55
330	0.400	2.21	3.44
340	0.390	2.10	3.22
350	0.390	2.10	3.22