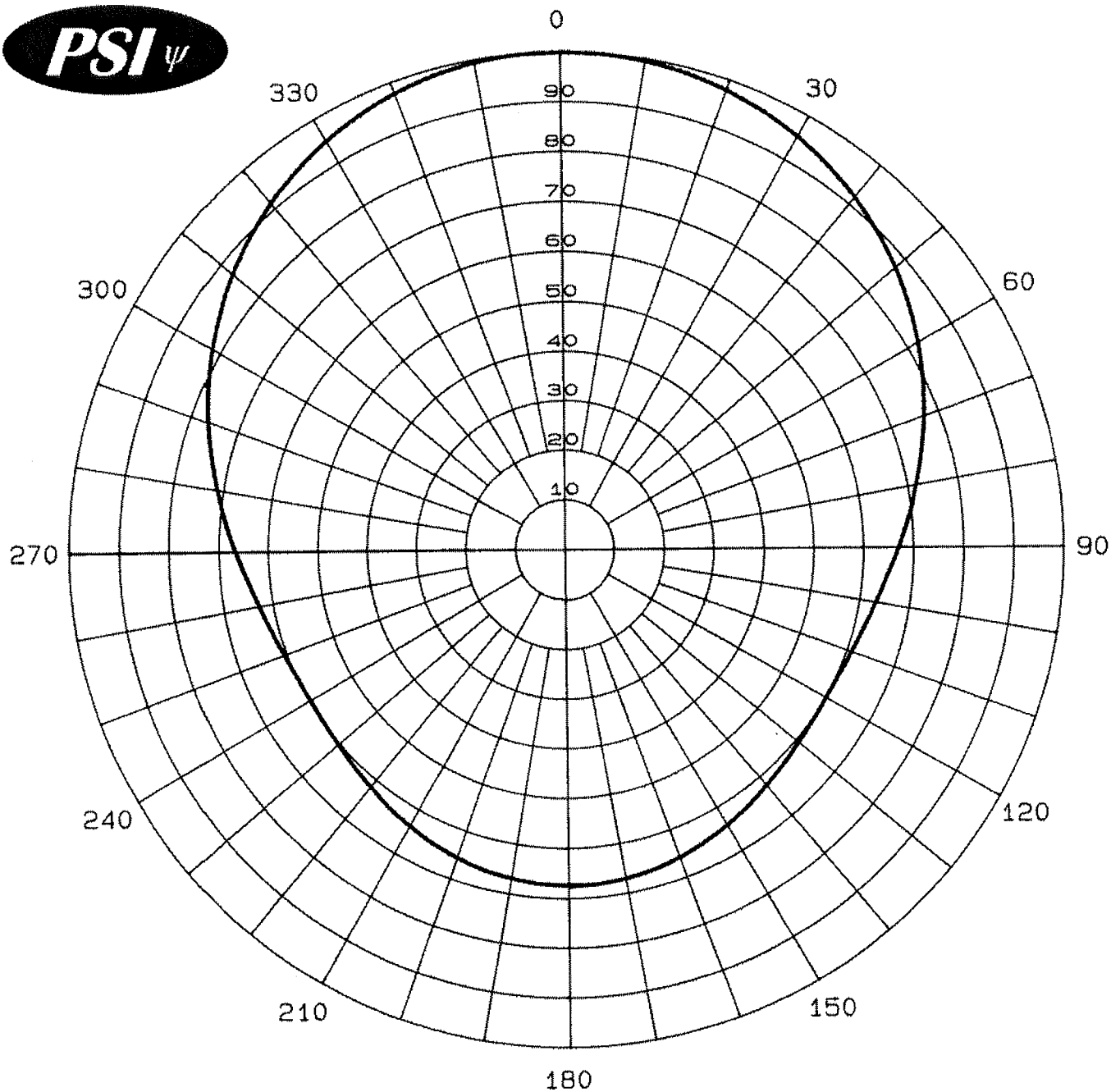


Drawing Index

<u>Drawing</u>	<u>Title</u>
J1210LP-933-001	Antenna Elevation and Specifications
J1210LP-933-007	Antenna Top Section 1
J1210LP-933-010	Antenna Base Section 2
41-00000	LPTV Fastener Details
41-00004	LPTV Mounting Bracket

Antenna Specifications

Model	PSILP16O1-26
Description	16 Bay UHF slot antenna
Type	"OI" omniod pattern
Channel	26
Polarization	Horizontal
Gain	28.9 (14.61 dB)
Beam Tilt	¼ degree
Input	1-5/8" EIA end fed
Rating	5 kW
Length	30.59 ft.
Weight	111 lbs.
Wind Area	17.5 sq. ft.



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



LPTV ANTENNA Antenna Pattern: OI

Angle	Field	8-BAY		12-BAY		16-BAY		24-BAY		32-BAY	
		Gain	dB	Gain	dB	Gain	dB	Gain	dB	Gain	dB
0	1.000	15.81	11.99	21.59	13.34	28.90	14.61	43.01	16.34	54.40	17.36
10	1.000	15.81	11.99	21.59	13.34	28.90	14.61	43.01	16.34	54.40	17.36
20	0.980	15.18	11.81	20.74	13.17	27.76	14.43	41.31	16.16	52.25	17.18
30	0.950	14.27	11.54	19.48	12.90	26.08	14.16	38.82	15.89	49.10	16.91
40	0.910	13.09	11.17	17.88	12.52	23.93	13.79	35.62	15.52	45.05	16.54
50	0.870	11.97	10.78	16.34	12.13	21.87	13.40	32.55	15.13	41.18	16.15
60	0.820	10.63	10.27	14.52	11.62	19.43	12.89	28.92	14.61	36.58	15.63
70	0.760	9.13	9.61	12.47	10.96	16.69	12.23	24.84	13.95	31.42	14.97
80	0.710	7.97	9.01	10.88	10.37	14.57	11.63	21.68	13.36	27.42	14.38
90	0.660	6.89	8.38	9.40	9.73	12.59	11.00	18.74	12.73	23.70	13.75
100	0.630	6.27	7.98	8.57	9.33	11.47	10.60	17.07	12.32	21.59	13.34
110	0.610	5.88	7.70	8.03	9.05	10.75	10.32	16.00	12.04	20.24	13.06
120	0.600	5.69	7.55	7.77	8.91	10.40	10.17	15.48	11.90	19.58	12.92
130	0.600	5.69	7.55	7.77	8.91	10.40	10.17	15.48	11.90	19.58	12.92
140	0.620	6.08	7.84	8.30	9.19	11.11	10.46	16.53	12.18	20.91	13.20
150	0.640	6.48	8.11	8.84	9.47	11.84	10.73	17.62	12.46	22.28	13.48
160	0.660	6.89	8.38	9.40	9.73	12.59	11.00	18.74	12.73	23.70	13.75
170	0.670	7.10	8.51	9.69	9.86	12.97	11.13	19.31	12.86	24.42	13.88
180	0.670	7.10	8.51	9.69	9.86	12.97	11.13	19.31	12.86	24.42	13.88
190	0.670	7.10	8.51	9.69	9.86	12.97	11.13	19.31	12.86	24.42	13.88
200	0.660	6.89	8.38	9.40	9.73	12.59	11.00	18.74	12.73	23.70	13.75
210	0.640	6.48	8.11	8.84	9.47	11.84	10.73	17.62	12.46	22.28	13.48
220	0.620	6.08	7.84	8.30	9.19	11.11	10.46	16.53	12.18	20.91	13.20
230	0.600	5.69	7.55	7.77	8.91	10.40	10.17	15.48	11.90	19.58	12.92
240	0.600	5.69	7.55	7.77	8.91	10.40	10.17	15.48	11.90	19.58	12.92
250	0.610	5.88	7.70	8.03	9.05	10.75	10.32	16.00	12.04	20.24	13.06
260	0.630	6.27	7.98	8.57	9.33	11.47	10.60	17.07	12.32	21.59	13.34
270	0.660	6.89	8.38	9.40	9.73	12.59	11.00	18.74	12.73	23.70	13.75
280	0.710	7.97	9.01	10.88	10.37	14.57	11.63	21.68	13.36	27.42	14.38
290	0.760	9.13	9.61	12.47	10.96	16.69	12.23	24.84	13.95	31.42	14.97
300	0.820	10.63	10.27	14.52	11.62	19.43	12.89	28.92	14.61	36.58	15.63
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320	0.910	13.09	11.17	17.88	12.52	23.93	13.79	35.62	15.52	45.05	16.54
330	0.950	14.27	11.54	19.48	12.90	26.08	14.16	38.82	15.89	49.10	16.91
340	0.980	15.18	11.81	20.74	13.17	27.76	14.43	41.31	16.16	52.25	17.18
350	1.000	15.81	11.99	21.59	13.34	28.90	14.61	43.01	16.34	54.40	17.36