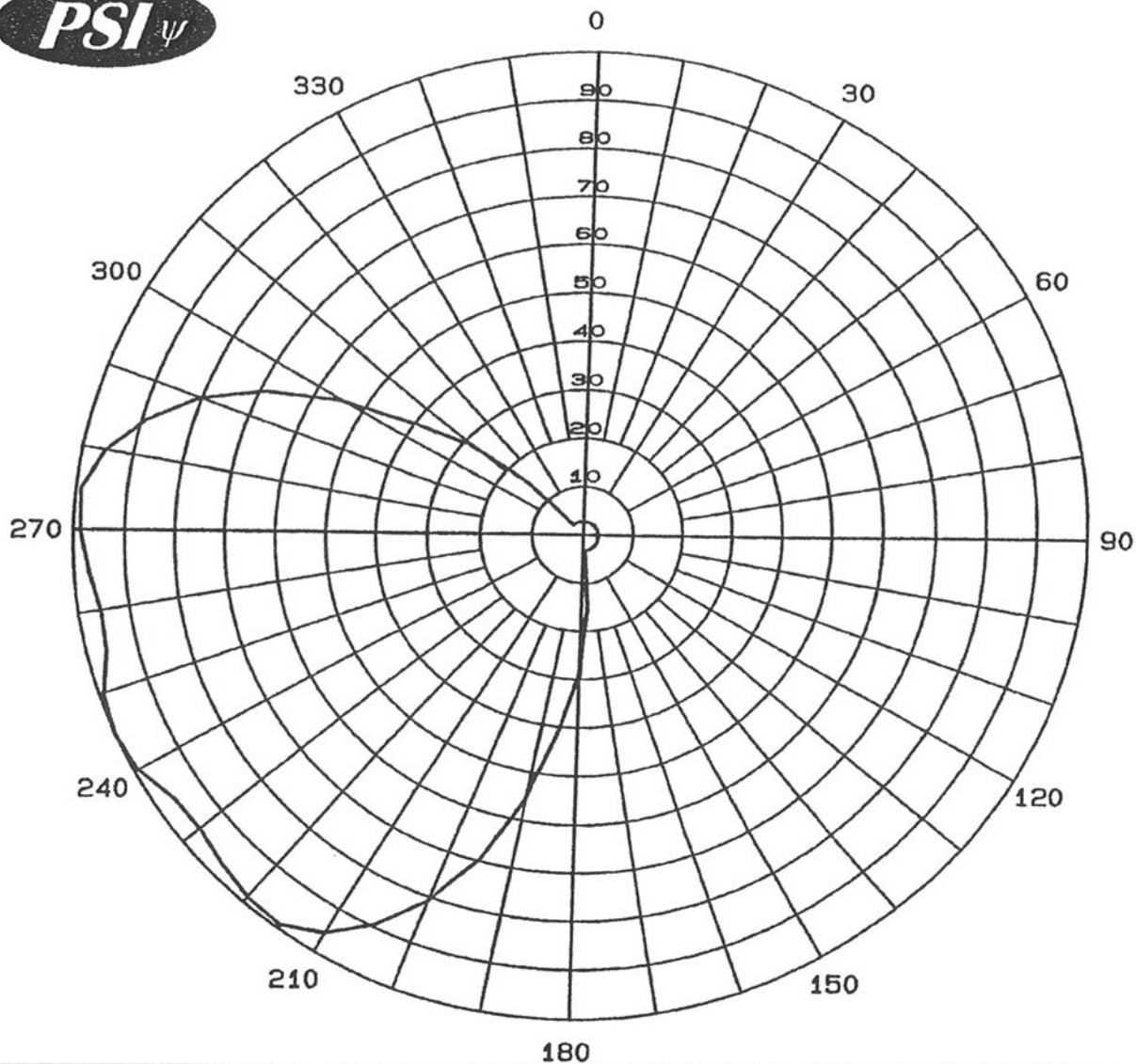


EXHIBIT B-1

ANTENNA ELEVATION PATTERN

**PROPOSED KBOP-CA
CHANNEL 43 - SAN DIEGO, CALIFORNIA**

SMITH AND FISHER



Calculated Relative Field
Azimuth Plane Pattern
Antenna: PSILP16CRAC-43
Type: Custom UHF Directional
Directivity: 3.75 (5.74 dB)
Peak Gain: 66.0 (18.2 dB)
Station: KBOP-CA
Date: 5/24/04

Propagation Systems Inc.
PO Box 113
Ebensburg, PA 15931

EXHIBIT B-2

ANTENNA AZIMUTH PATTERN
PROPOSED KBOP-CA
CHANNEL 43 - SAN DIEGO, CALIFORNIA

SMITH AND FISHER

PROPAGATION SYSTEMS INC.

Calculated Relative Field Tabulation

Antenna Model: PSILP16CRAC-43

Gain: 66.0 (18.2 dBd)

Ref. KBOP-CA

Pattern Rotation 245 Degrees

Angle	Relative Field	Power Gain	Gain dB	Angle	Relative Field	Power Gain	Gain dB
0	0.030	0.06	-12.26	180	0.290	5.55	7.44
5	0.030	0.06	-12.26	185	0.400	10.56	10.24
10	0.030	0.06	-12.26	190	0.550	19.97	13.00
15	0.030	0.06	-12.26	195	0.690	31.42	14.97
20	0.030	0.06	-12.26	200	0.805	42.77	16.31
25	0.030	0.06	-12.26	205	0.890	52.28	17.18
30	0.030	0.06	-12.26	210	0.955	60.19	17.80
35	0.030	0.06	-12.26	215	0.990	64.69	18.11
40	0.030	0.06	-12.26	220	0.985	64.03	18.06
45	0.030	0.06	-12.26	225	0.970	62.10	17.93
50	0.030	0.06	-12.26	230	0.955	60.19	17.80
55	0.030	0.06	-12.26	235	0.960	60.83	17.84
60	0.030	0.06	-12.26	240	0.990	64.69	18.11
65	0.030	0.06	-12.26	245	1.000	66.00	18.20
70	0.030	0.06	-12.26	250	0.990	64.69	18.11
75	0.030	0.06	-12.26	255	0.960	60.83	17.84
80	0.030	0.06	-12.26	260	0.955	60.19	17.80
85	0.030	0.06	-12.26	265	0.970	62.10	17.93
90	0.030	0.06	-12.26	270	0.985	64.03	18.06
95	0.030	0.06	-12.26	275	0.990	64.69	18.11
100	0.030	0.06	-12.26	280	0.955	60.19	17.80
105	0.030	0.06	-12.26	285	0.890	52.28	17.18
110	0.030	0.06	-12.26	290	0.805	42.77	16.31
115	0.030	0.06	-12.26	295	0.690	31.42	14.97
120	0.030	0.06	-12.26	300	0.550	19.97	13.00
125	0.030	0.06	-12.26	305	0.400	10.56	10.24
130	0.030	0.06	-12.26	310	0.290	5.55	7.44
135	0.030	0.06	-12.26	315	0.150	1.49	1.72
140	0.030	0.06	-12.26	320	0.030	0.06	-12.26
145	0.030	0.06	-12.26	325	0.030	0.06	-12.26
150	0.030	0.06	-12.26	330	0.030	0.06	-12.26
155	0.030	0.06	-12.26	335	0.030	0.06	-12.26
160	0.030	0.06	-12.26	340	0.030	0.06	-12.26
165	0.030	0.06	-12.26	345	0.030	0.06	-12.26
170	0.030	0.06	-12.26	350	0.030	0.06	-12.26
175	0.150	1.49	1.72	355	0.030	0.06	-12.26

EXHIBIT B-3**ANTENNA RELATIVE FIELD VALUES****PROPOSED KBOP-CA
CHANNEL 43 - SAN DIEGO, CALIFORNIA**

SMITH AND FISHER