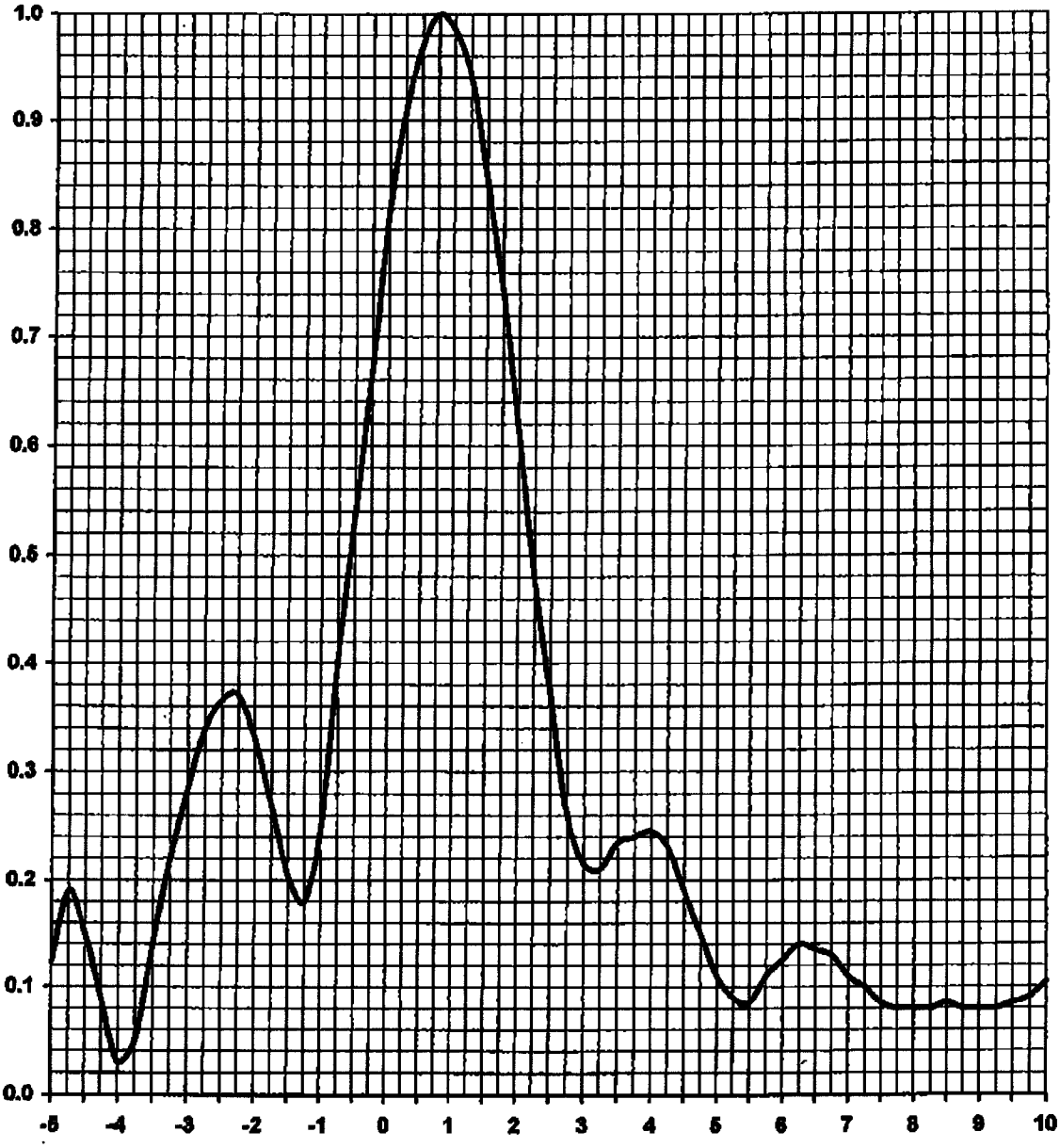
ELEVATION PATTERN

TYPE:	ETU-P2H10-40		Frequency:	40
Directivity:	Numeric	dBd	Location:	Port Arthur, TX
Main Lobe:	19.18	12.83	Beam Tilt:	0.75
Horizontal:	12.74	11.05	Polarization:	Horizontal



ELECTRONICS RESEARCH, INC. ERI

EXHIBIT B-1

ANTENNA ELEVATION PATTERN

PROPOSED KBTV-DT
CHANNEL 40 – PORT ARTHUR, TEXAS
[MODIFICATION OF BMPCDT-20040312ADS]

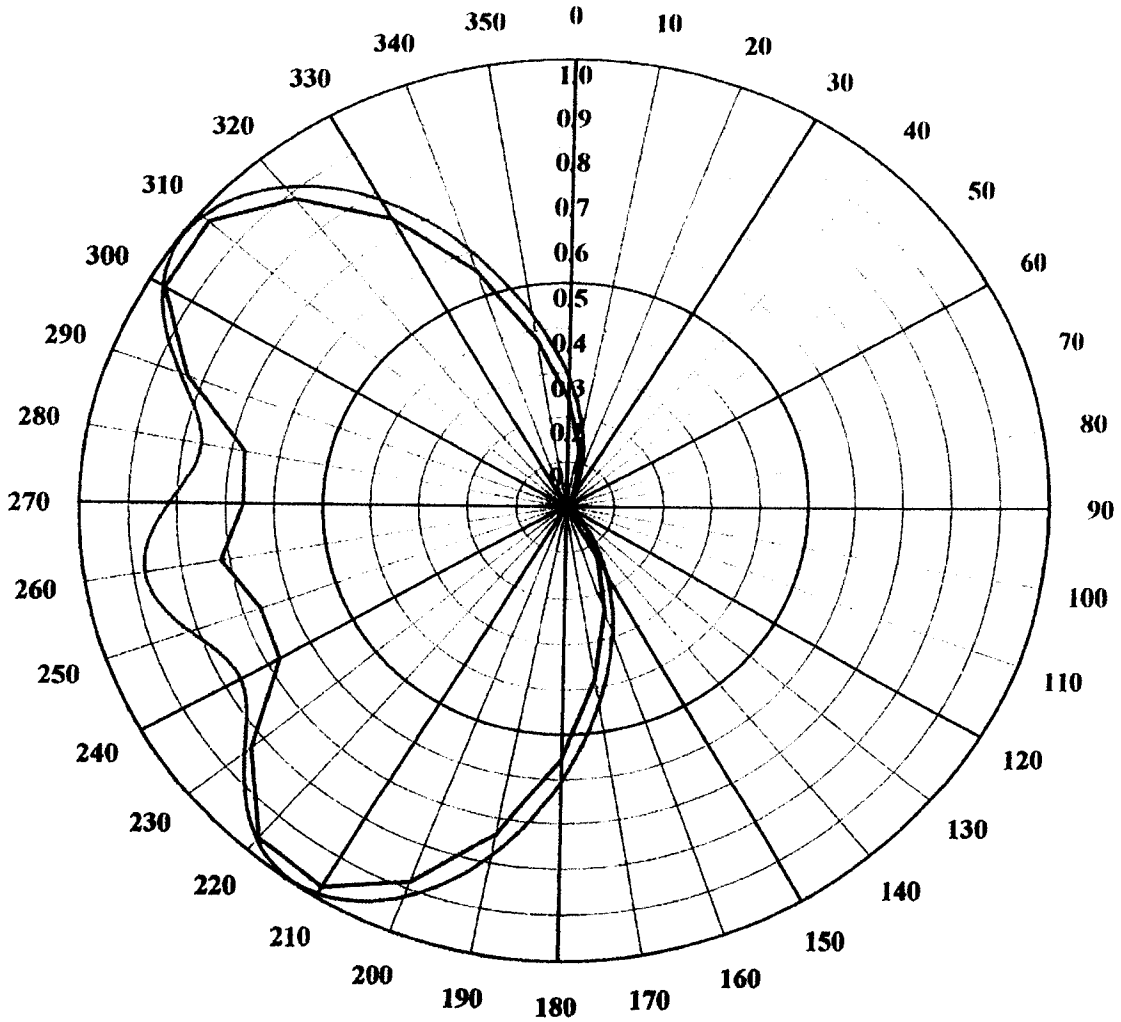
SMITH AND FISHER

Note: Antenna (red Pattern) will be mounted such that 0° on graph will be oriented at 350° T.

ERI

AZIMUTH PATTERN

Type:	CH40HAZ02	
	Numeric	dBd
Directivity:	2.80	4.77
Peak(s) At:		
Polarization:		
Channel:		
Location:		



Electronics Research, Inc.
7777 Gardner Road
Chandler, Indiana 47610

___ ch40haz02
___ KBTV-DT

EXHIBIT B-2

ANTENNA AZIMUTH PATTERN

PROPOSED KBTV-DT
CHANNEL 40 – PORT ARTHUR, TEXAS
[MODIFICATION OF BMPCDT-20040312ADS]

SMITH AND FISHER

EXHIBIT B-3

ANTENNA AZIMUTH PATTERN DATA

PROPOSED KBTV-DT
CHANNEL 40 – PORT ARTHUR, TEXAS
[MODIFICATION OF BMPCDT-20040312ADS]

Azimuth (° T)	Relative Field	ERP (dbk)	Azimuth (° T)	Relative Field	ERP (dbk)
0	0.168	14.5	180	0.782	27.9
10	0.078	7.8	190	0.919	29.3
20	0.026	-1.7	200	0.992	29.9
30	0.011	-9.2	210	0.971	29.7
40	0.011	-9.2	220	0.853	28.6
50	0.010	-10.0	230	0.767	27.7
60	0.010	-10.0	240	0.819	28.3
70	0.011	-9.2	250	0.879	28.9
80	0.010	-10.0	260	0.819	28.3
90	0.010	-10.0	270	0.767	27.7
100	0.011	-9.2	280	0.853	28.6
110	0.011	-9.2	290	0.971	29.7
120	0.026	-1.7	300	0.992	29.9
130	0.077	7.7	310	0.919	29.3
140	0.168	14.5	320	0.782	27.9
150	0.288	19.2	330	0.605	25.6
160	0.432	22.7	340	0.432	22.7
170	0.605	25.6	350	0.286	19.1