DIELECTRIC COMMUNICATIONS
A UNIT OF GENERAL SIGNAL

Proposal Number	DCA-7667
Date	22-Jul-97
Call Letters	KCOP-DT Channel 66
Location	Los Angeles
Customer	
Antenna Type	TFU-36DSC-R C170

ELEVATION PATTERN

RMS Gain at Main Lobe	26.00 (14.15 dB)	Beam Tilt	0.75 deg
RMS Gain at Horizontal	14.40 (11.58 dB)	Frequency	785.00 MHz
Calculated / Measured	Calculated	Drawing #	36Q260075-90

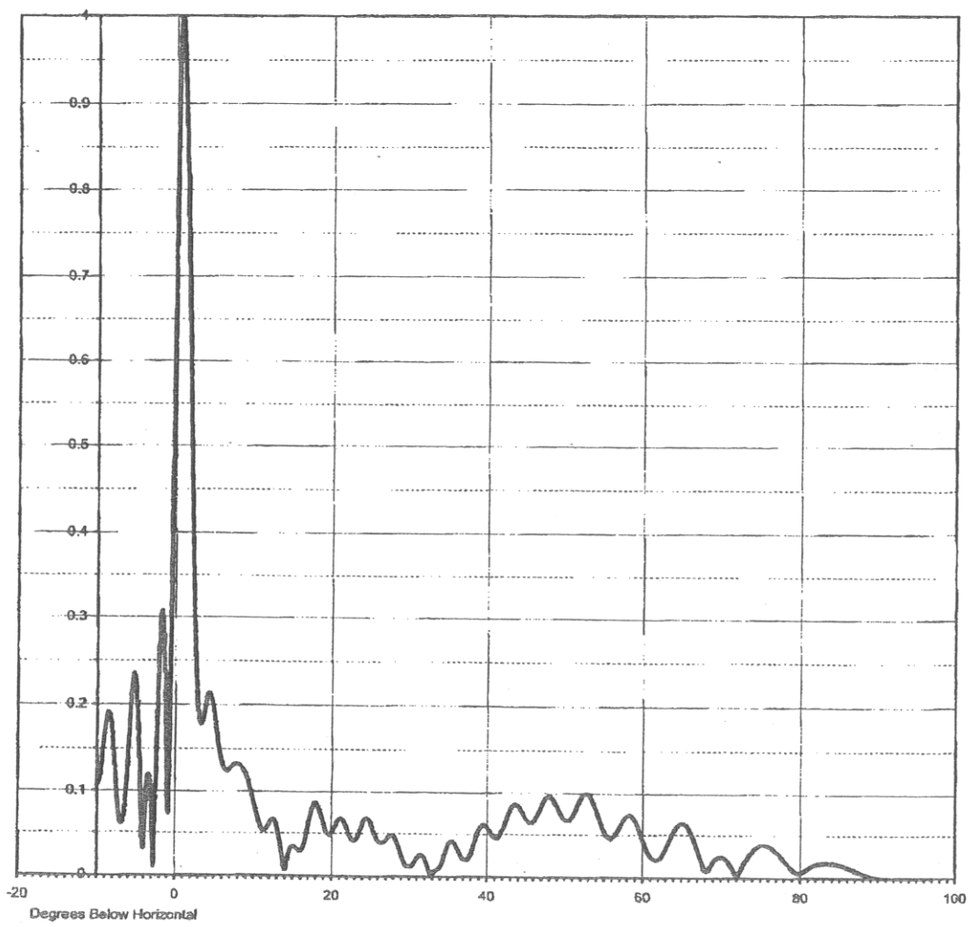


EXHIBIT B-1

VERTICAL RELATIVE FIELD PATTERN

PROPOSED KCOP-DT
CHANNEL 66 - LOS ANGELES, CALIFORNIA

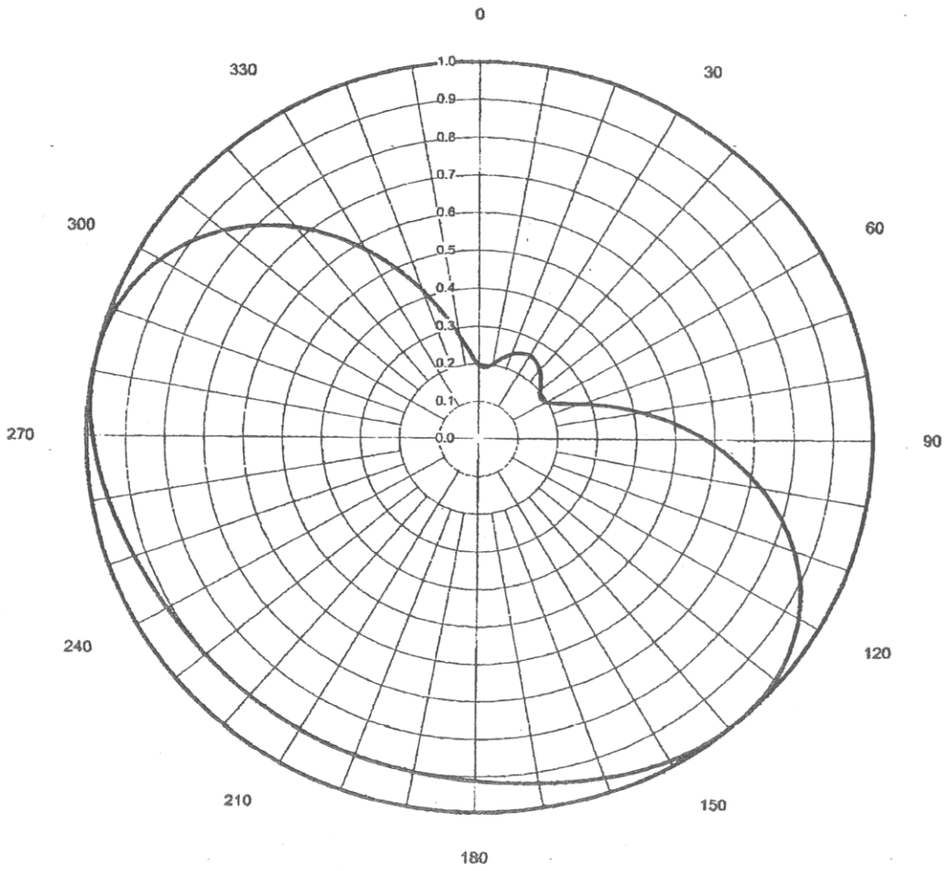
SMITH AND FISHER

DIELECTRIC COMMUNICATIONS
A UNIT OF GENERAL SIGNAL

Proposal Number	DCA-7667		
Date	22-Jul-97		
Call Letters	KCOP-DT	Channel	66
Location	Los Angeles		
Customer			
Antenna Type	TFU-36DSC-R C170		

AZIMUTH PATTERN

Gain	1.70	(2.30 dB)	
Calculated / Measured	Calculated		
Frequency	785.00 MHz		
Drawing #	C170-66		



Remarks :

EXHIBIT B-2

HORIZONTAL RELATIVE FIELD PATTERN (MAIN LOBE)

PROPOSED KCOP-DT
CHANNEL 66 - LOS ANGELES, CALIFORNIA

SMITH AND FISHER

EXHIBIT B-3

BEAM TILT DATA

PROPOSED KCOP-DT
CHANNEL 66
LOS ANGELES, CALIFORNIA

Azimuth (° T)	Mechanical Tilt (degrees)	Total Tilt (degrees)	Azimuth (° T)	Mechanical Tilt (degrees)	Total Tilt (degrees)
0	+ 2.38	+ 1.6	180	- 2.38	- 3.1
10	+ 2.58	+ 1.8	190	- 2.58	- 3.3
20	+ 2.71	+ 2.0	200	- 2.71	- 3.5
30	+ 2.75	+ 2.0	210	- 2.75	- 3.5
40	+ 2.71	+ 2.0	220	- 2.71	- 3.5
50	+ 2.58	+ 1.8	230	- 2.58	- 3.3
60	+ 2.38	+ 1.6	240	- 2.38	- 3.1
70	+ 2.11	+ 1.4	250	- 2.11	- 2.9
80	+ 1.77	+ 1.0	260	- 1.77	- 2.5
90	+ 1.38	+ 0.6	270	- 1.38	- 2.1
100	+ 0.94	+ 0.2	280	- 0.94	- 1.7
110	+ 0.48	- 0.3	290	- 0.48	- 1.2
120	0	- 0.8	300	0	- 0.8
130	- 0.48	- 1.2	310	+ 0.48	- 0.3
140	- 0.94	- 1.7	320	+ 0.94	+ 0.2
150	- 1.38	- 2.1	330	+ 1.38	+ 0.6
160	- 1.77	- 2.5	340	+ 1.77	+ 1.0
170	- 2.11	- 2.9	350	+ 2.11	+ 1.4

EXHIBIT B-4

DIRECTIONAL ANTENNA PATTERN DATA
IN HORIZONTAL PLANE

PROPOSED KCOP-DT
CHANNEL 66
LOS ANGELES, CALIFORNIA

Azimuth (° T)	Horizontal Relative Field	Vertical Relative Field	ERP (dbk)	Azimuth (° T)	Horizontal Relative Field	Vertical Relative Field	ERP (dbk)
0	0.197	0.44	4.5	180	0.912	0.30	14.4
10	0.203	0.30	1.4	190	0.902	0.28	13.7
20	0.240	0.26	1.6	200	0.899	0.26	13.1
30	0.257	0.26	2.2	210	0.898	0.26	13.1
40	0.240	0.26	1.6	220	0.899	0.26	13.1
50	0.203	0.30	1.4	230	0.902	0.28	13.7
60	0.197	0.44	4.5	240	0.912	0.30	14.4
70	0.277	0.51	8.7	250	0.931	0.31	14.9
80	0.418	0.72	15.3	260	0.958	0.26	13.6
90	0.578	0.88	19.8	270	0.985	0.02	- 8.4
100	0.729	0.99	22.9	280	1.000	0.19	11.3
110	0.854	0.95	23.9	290	0.989	0.54	20.3
120	0.942	0.76	22.8	300	0.942	0.76	22.8
130	0.989	0.54	20.3	310	0.854	0.95	23.9
140	1.000	0.19	11.3	320	0.729	0.99	22.9
150	0.985	0.02	- 8.4	330	0.578	0.88	19.8
160	0.958	0.26	13.6	340	0.418	0.72	15.3
170	0.931	0.31	14.9	350	0.277	0.51	8.7

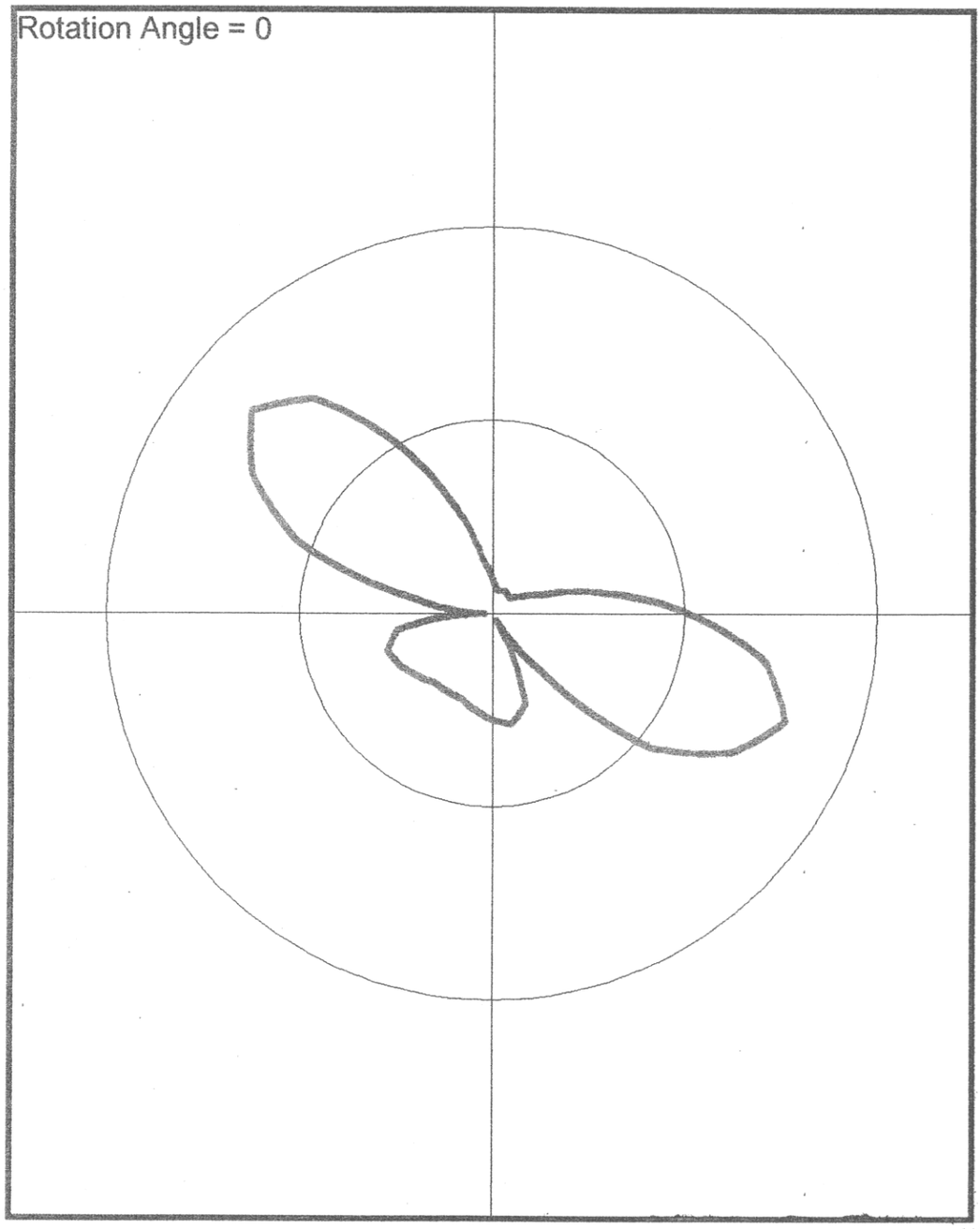


EXHIBIT B-5

HORIZONTAL RELATIVE FIELD PATTERN
(IN HORIZONTAL PLANE)

PROPOSED KCOP-DT
CHANNEL 66 - LOS ANGELES, CALIFORNIA

SMITH AND FISHER

EXHIBIT B-6

DIRECTIONAL ANTENNA PATTERN DATA
TOWARD RADIO HORIZON

PROPOSED KCOP-DT
CHANNEL 66
LOS ANGELES, CALIFORNIA

Azimuth (° T)	Horizontal Relative Field	Vertical Relative Field	ERP (dbk)	Azimuth (° T)	Horizontal Relative Field	Vertical Relative Field	ERP (dbk)
0	0.197	0.70	8.5	180	0.912	0.02	- 9.1
10	0.203	0.60	7.4	190	0.902	0.10	4.8
20	0.240	0.45	6.4	200	0.899	0.24	12.4
30	0.257	0.43	6.6	210	0.898	0.24	12.4
40	0.240	0.46	6.6	220	0.899	0.24	12.4
50	0.203	0.58	7.1	230	0.902	0.08	2.8
60	0.197	0.73	8.9	240	0.912	0.03	- 5.6
70	0.277	0.86	13.2	250	0.931	0.07	2.0
80	0.418	0.99	18.0	260	0.958	0.28	14.3
90	0.578	1.00	20.9	270	0.985	0.47	19.0
100	0.729	0.89	21.9	280	1.000	0.66	22.1
110	0.854	0.90	23.4	290	0.989	0.92	24.9
120	0.942	0.99	25.1	300	0.942	0.99	25.1
130	0.989	0.99	25.5	310	0.854	0.97	24.1
140	1.000	0.83	24.1	320	0.729	0.95	22.5
150	0.985	0.62	21.4	330	0.578	1.00	20.9
160	0.958	0.41	17.6	340	0.418	0.96	17.8
170	0.931	0.15	8.6	350	0.277	0.79	12.5

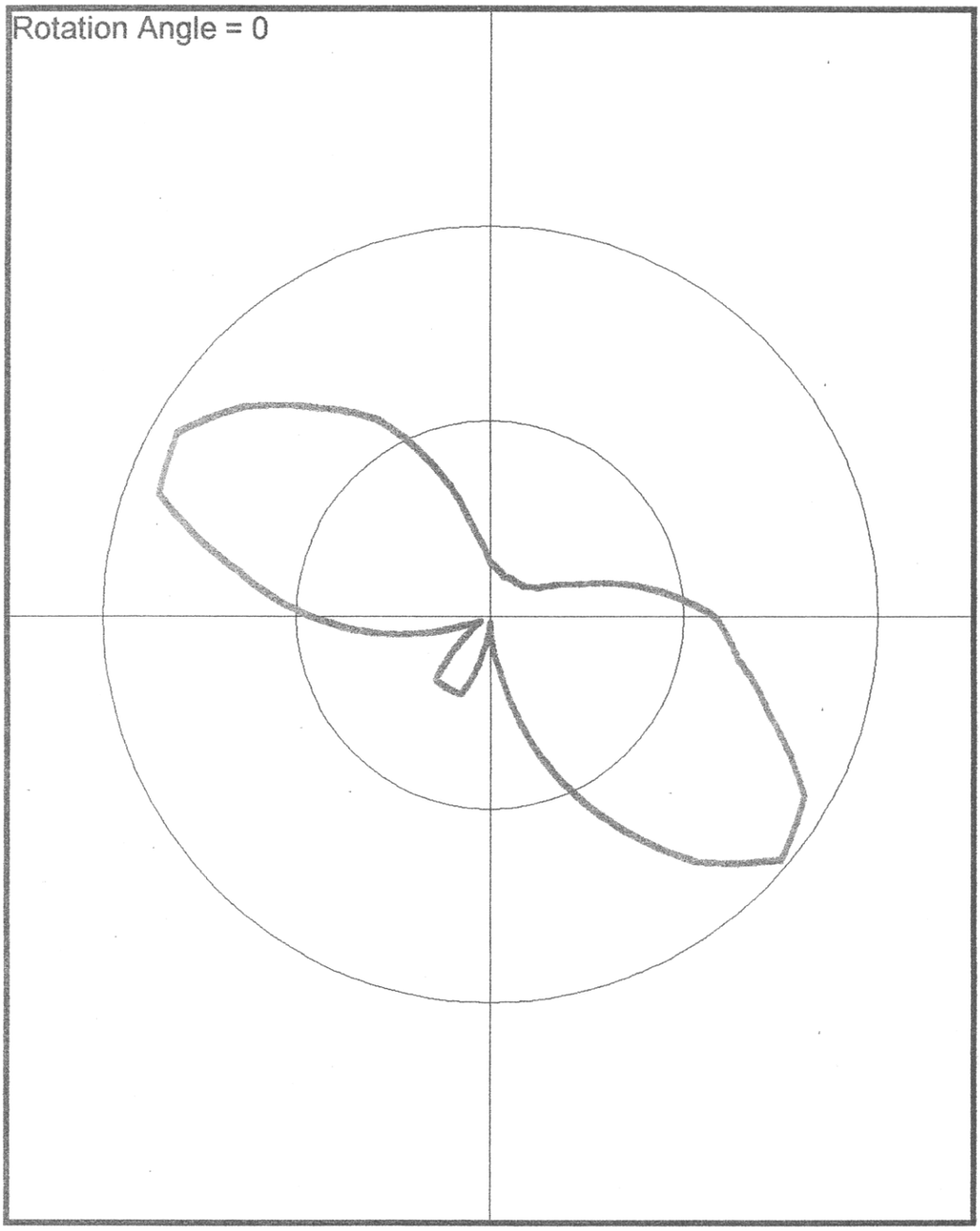


EXHIBIT B-7

HORIZONTAL RELATIVE FIELD PATTERN
(TOWARD RADIO HORIZON)

PROPOSED KCOP-DT
CHANNEL 66 - LOS ANGELES, CALIFORNIA

SMITH AND FISHER

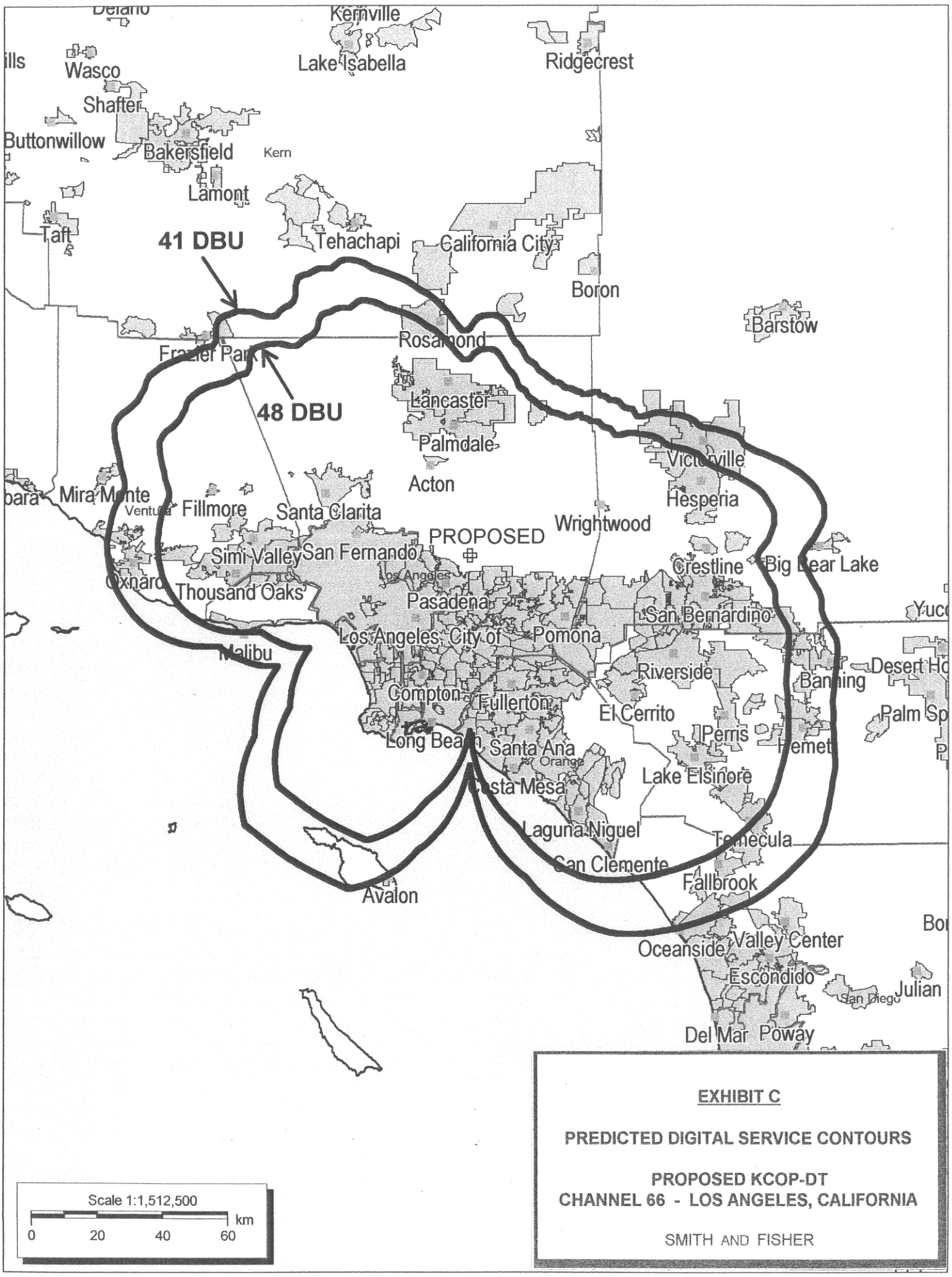

Delano
Kernville
Lake Isabella
Ridgecrest
Wasco
Shafter
Buttonwillow
Bakersfield
Kern
Lamont
Taft
41 DBU
Tehachapi
California City
Boron
Barstow
Rosamond
Frazier Park
48 DBU
Lancaster
Palmdale
Victorville
Acton
Hesperia
Mira Monte
Ventura
Fillmore
Santa Clarita
Wrightwood
PROPOSED
Simi Valley
San Fernando
Los Angeles
Crestline
Big Bear Lake
Oxnard
Thousand Oaks
Pasadena
San Bernardino
Los Angeles, City of
Pomona
Malibu
Riverside
Banning
Compton
Fullerton
El Cerrito
Palm Sp
Long Beach
Santa Ana
Orange
Perris
Lake Elsinore
Costa Mesa
Laguna Niguel
Temecula
San Clemente
Fallbrook
Avalon
Oceanside
Valley Center
Escondido
San Diego
Julian
Del Mar
Poway
Scale 1:1,512,500
km
0
20
40
60
EXHIBIT C
PREDICTED DIGITAL SERVICE CONTOURS
PROPOSED KCOP-DT
CHANNEL 66 - LOS ANGELES, CALIFORNIA
SMITH AND FISHER

EXHIBIT D

ALLOCATION AND INTERFERENCE STUDY

PROPOSED KCOP-DT
CHANNEL 66 - LOS ANGELES, CALIFORNIA

The Commission allotted Channel 66 to KCOP-DT with a nominal ERP of 679.7 kw at 899 meters above average terrain. The instant application specifies an ERP of 371 kw at 890 meters. This is allowable under the FCC's *de minimis* standards with respect to various NTSC and DTV facilities, even through the proposed ERP exceeds the allotment ERP in certain directions.

In evaluating the interference effect of this proposal, we have relied upon the V-Soft Communications "Probe" computer program, which has been found generally to mimic the FCC's program. Changes in interference caused by KCOP-DT to other pertinent stations are as follows:

Allotment	Channel	Interference Population	
		Present	Proposed
KVEA	52	12,927	12,927
KRCA	62	42,852	36,206
KTTV-DT	65	37,001	107

As shown, the proposed interference population is either equal to or less than the present interference population. Therefore, this proposal meets the FCC's *de minimis* interference standards for DTV operations.