10.3 Occupational Radiation Hazard Plan:

Santa Monica has established the following procedures to reduce the exposure to excessive levels of RF radiation for those who will be working on the tower in the vicinity of the proposed transmitting antenna:

1. Post approved "RF Radiation Hazard" signs on the antenna mounting pole.

2. Require workers climbing the tower, performing work for, and at the direction of Santa Monica, to wear an approved radiation suit, or

3. Have the work done at times of day when the station can be shut down, or

4. Reduce the transmitter output to a level where a person can work safely in the vicinity of the antenna.

APPLICATION FOR MODIFICATION OF
APPLICATION FOR CONSTRUCTION PERMIT
NEW NCE-FM STATION
MOJAVE, CALIFORNIA

PREPARED FOR
SANTA MONICA COMMUNITY COLLEGE DISTRICT
SANTA MONICA, CALIFORNIA

11.0 **AFFIDAVIT**

STATE OF CALIFORNIA)
) ss:
COUNTY OF LOS ANGELES)

JOHN J. DAVIS, does hereby swear that he is a consulting electronics engineer with offices in Sierra Madre, California; that he is a Registered Professional Engineer in the State of California; that his qualifications as an expert in radio engineering are a matter of record with the Federal Communications Commission; that the foregoing engineering statement was prepared by him or under his direction; and that the statements contained therein are true of his own knowledge and belief, and as to those statements, he verily believes them to be true and correct.

By _____
John J. Davis

June 29, 1994

TABLE I

CHANNEL 201B INTERFERENCE STUDY

Title: MOJAVE, CA — Latitude: 35-04-02
Channel 201B (88.1 MHz) ERP: 22 kW; EAH: 195 m — Longitude: 118-23-03
Datebase: 06/17/94 — Safety zone: 65 km

Call City of License, St	Auth	Licensee name FCC File no.	Chan Freq	ERP-kW EAH-m	Latitude Longitude	Br-to -from	Dist. (km)	Req. (km)
KSBY	**LIC**	**KSBY, INC.**	6	100	35-21-37	279.6	209.3	216.0
SAN LUIS OBISPO, CA			85.0	543	120-39-18	98.3	-6.7	SHORT
Proposed F(50,10) 48 dBu = 92.0 km; KSBY F(50,50) 47 dBu = 124.0 km								
KLON	**LIC**	**CALIFORNIA ST UNIV** LONG	*201B1	8	33-48-00	171.7	142.0	159.1
LONG BEACH, CA		BLED-910211KC	88.1	129	118-09-45	351.9	-17.1	SHORT
License Granted 08/13/92 per FCC release #21448 dated 08/18/92;								
Proposed F(50,10) 40 dBu = 125.20 km; KLON F(50,50) 60 dBu = 34.96 km								
Proposed F(50,50) 60 dBu = 49.52 km; KLON F(50,10) 40 dBu = 95.84 km								
KFCF	LIC	FRESNO FREE COLLEGE	*201B	2.40	37-04-23	337.4	241.7	177.5
FRESNO, CA		BLED-800318AE	88.1	579	119-25-52	156.8	64.2	CLEAR
Proposed F(50,10) 40 dBu = 125.20 km; KFCF F(50,50) 60 dBu = 52.31 km								
Proposed F(50,50) 60 dBu = 49.52 km; KFCF F(50,10) 40 dBu = 127.30 km								
KAXL	**CP**	**SKYRIDE UNLIMITED, INC.**	*202B1	21.1DA	35-24-55	296.9	86.4	110.8
GREENACRES, CA		BPED-920110MB	88.3	100	119-14-01	116.4	-24.4	SHORT
CP Granted 06/17/92 per FCC release #21410 dated 06/29/92; Application for License (BLED-940421KA) accepted per FCC release #15796 dated 05/04/94;								
Proposed F(50,10) 54 dBu = 73.11 km; KAXL F(50,50) 60 dBu = 37.73 km								
Proposed F(50,50) 60 dBu = 49.52 km; KAXL F(50,10) 54 dBu = 58.11 km								
KCLU	**CP**	**CALIFORNIA LUTHERAN**	*202B1	1.20DA	34-13-05	208.7	107.3	97.6
THOUSAND OAKS, CA		BMPED-930617IA	88.3	163	118-56-42	28.4	9.7	CLOSE
CP Granted 10/13/93 per FCC release #21746 dated 10/22/93;								
Proposed F(50,10) 54 dBu = 73.11 km; KCLU F(50,50) 60 dBu = 24.46 km								
Proposed F(50,50) 60 dBu = 49.52 km; KCLU F(50,10) 54 dBu = 34.69 km								
KUCR	LIC	REGENTS OF UNIVERSITY	*202A	.16	33-58-09	140.5	157.5	94.3
RIVERSIDE, CA		BLED-920312I	88.3	328	117-17-48	321.1	63.2	CLEAR
License Granted 12/22/93 per FCC release #21790 dated 12/28/93;								
Proposed F(50,10) 54 dBu = 73.1 km; KUCR F(50,50) 60 dBu = 21.2 km								
Proposed F(50,50) 60 dBu = 49.5 km; KUCR F(50,10) 54 dBu = 31.4 km								
KUCR	APP	REGENTS OF UNIVERSITY	*202A	.15	33-57-58	140.3	158.3	98.6
RIVERSIDE, CA		BMPED-930423I	88.3	494	117-17-14	320.9	59.7	CLEAR
Accepted per FCC release #15519 dated 05/03/93								
Proposed F(50,10) 54 dBu = 73.11 km; KUCR F(50,50) 60 dBu = 25.45 km								
Proposed F(50,50) 60 dBu = 49.52 km; KUCR F(50,10) 54 dBu = 39.44 km								

TABLE I

CHANNEL 201B INTERFERENCE STUDY

Title: MOJAVE, CA — Latitude: 35-04-02
Channel 201B (88.1 MHz) ERP: 22 kW; EAH: 195 m — Longitude: 118-23-03
Database: 06/17/94 — Safety zone: 65 km

```
Call     Auth Licensee name              Chan ERP-kW  Latitude Br-to  Dist. Req.
City of License, St      FCC File no.    Freq EAH-m  Longitude -from  (km)  (km)
==============================================================================
KCSN     LIC  CALIFORNIA STATE UNIV    *203A    .05    34-21-13 182.1  79.2  54.1
NORTHRIDGE, CA           BLED-870911KB  88.5  646   118-24-57   2.1  25.1 CLEAR
Proposed F(50,10) 80 dBu = 18.47 km; KCSN F(50,50) 60 dBu = 22.87 km
Proposed F(50,50) 60 dBu = 49.52 km; KCSN F(50,10) 80 dBu =  4.60 km

KCSN     APC  CALIFORNIA STATE UNIV   *203B1 .32DA 34-19-11 190.6   84.4  58.4
NORTHRIDGE, CA           BLED-930115MB  88.5  501 118-33-14  10.5   26.0 CLEAR
Proposed F(50,10) 80 dBu = 18.47 km; KCSN F(50,50) 60 dBu = 30.86 km
Proposed F(50,50) 60 dBu = 49.52 km; KCSN F(50,10) 80 dBu =  8.86 km

KHMS     LIC  FAITH COMMUNICATIONS     *203A    .06    34-36-40 116.6 112.2  54.0
VICTORVILLE, CA          BMPED-910828M  88.5  913   117-17-20 297.2  57.9 CLEAR
License Granted 06/25/93 per FCC release #21669 dated 07/01/93;
Proposed F(50,10) 80 dBu = 18.47 km; KHMS F(50,50) 60 dBu = 19.10 km
Proposed F(50,50) 60 dBu = 49.52 km; KHMS F(50,10) 80 dBu =  4.52 km

KHMS     APC  FAITH COMMUNICATIONS    *203B1  .25    34-36-40 116.6 112.2 57.45
VICTORVILLE, CA          BPED-931214MB  88.5  461   117-17-20 297.2 54.79 CLEAR
Tendered per FCC release #15705 dated 12/28/93; Cut-off 05/31/94 A-261;
CHANGE CLASS FROM A; Was KXGV 12/01/92 per FCC release #195 dated 11/20/92;
Proposed F(50,10) 80 dBu = 18.47 km; KHMS F(50,50) 60 dBu = 27.69 km
Proposed F(50,50) 60 dBu = 49.52 km; KHMS F(50,50) 80 dBu = 7.922 km

NEW      APC  SANTA MONICA COMMUNITY   *204B    29DA 35-04-02    .0        57.4
MOJAVE, CA               BPED-920305ME  88.7  195   118-23-03    .0 -57.4 SHORT
Tendered per FCC release #15216 dated 03/13/92; Cut-off 05/11/92 A-235
Proposed F(50,10) 100 dBu =  5.4 km; NEW F(50,50)  60 dBu = 52.0 km
Proposed F(50,50)  60 dBu = 49.5 km; NEW F(50,10) 100 dBu =  5.8 km

KYSR     LIC  KXEZ, INC.               254B     75    34-07-08 180.4 105.2    20
LOS ANGELES, CA                         98.7  360   118-23-30    .4  85.2 CLEAR
```

TABLE II

ENGINEERING SPECIFICATIONS

NEW NON-COMMERCIAL EDUCATIONAL FM STATION
CHANNEL 201B, 88.1 MHz
MOJAVE, CALIFORNIA

a) TRANSMITTER LOCATION (No Change)

North Latitude: 35° 04′ 02"
West Longitude: 118° 23′ 03"

Oak Creek Pass

Approximately 19 kilometers west of Mojave
Northeast corner of Section 8, T.11 N., R.14 W.

b) STUDIO AND REMOTE CONTROL LOCATION

To be determined.

c) EQUIPMENT

Transmitter:	Type-Approved	10 kW
Transmission Line:	Cablewave Systems Type HCC78-50J 2.22 cm Air Dielectric Coaxial Cable Attn: 0.33 dB	25.0 Meters
Tower:	Free-standing steel pole	30 Meters
Antenna:	Directional ERI, Model DA1005-2B-HW Maximum Power Gain: Horizontal: 2.85 (4.55 dB) Vertical: 2.85 (4.55 dB) Beam Tilt: None Null Fill: None	2 Bay

TABLE II

d) HEIGHTS (No Change)

	Meters
Height of Site Above Mean Sea Level (AMSL):	1,536
Height of Pole Above Site (AGL):	30
Overall Height of Pole AMSL:	1,566
Height of Average Terrain AMSL:	1,367
Height of Site Above Average Terrain:	169
Effective Height of Antenna AGL:	26
Effective Height of Antenna AMSL:	1,562
Effective Height of Antenna Above the Average Terrain (HAAT):	195

e) PROPOSED OPERATION

Transmitter Power Output (TPO):	8.33 kW	9.20 dBk
Transmission Line Loss (92.7%):	0.61 kW	0.33 dB
Antenna Input Power:	7.72 kW	8.87 dBk
Antenna Gain, Maximum Horizontal:	2.85	4.55 dB
Effective Radiated Power (ERP):	22.0 kW	13.42 dBk

TABLE III

TERRAIN DATA
(NO CHANGE)
TERRAIN AVERAGE FROM NGDC 3-SECOND DATABASE (3 to 16 km)

RADIAL (°)	AVERAGE ELEVATION (Meters)
0	1,349
*5	1,336
*10	1,326
*15	1,315
*20	1,319
*25	1,331
*30	1,321
*35	1,297
*40	1,334
45	1,412
*50	1,501
*55	1,515
*60	1,417
*65	1,272
*70	1,218
*75	1,321
*80	1,278
*85	1,220
90	1,167
*95	1,132
*100	1,106
*105	1,082
*110	1,064
*115	1,064
*120	1,070
*125	1,071
*130	1,074
135	1,078
*140	1,088
*145	1,086
*150	1,092
*155	1,119
*160	1,158
*165	1,205
*170	1,254
*175	1,254
180	1,299

TABLE III
(NO CHANGE)
TERRAIN DATA

TERRAIN AVERAGE FROM NGDC 3-SECOND DATABASE (3 to 16 km)

RADIAL (°)	AVERAGE ELEVATION (Meters)
*185	1,349
*190	1,378
*195	1,438
*200	1,468
*205	1,499
*210	1,565
*215	1,569
*220	1,585
225	1,661
*230	1,788
*235	1,927
*240	1,854
*245	1,817
*250	1,893
*255	1,900
*260	1,935
*265	1,843
270	1,738
*275	1,676
*280	1,622
*285	1,540
*290	1,443
*295	1,382
*300	1,336
*305	1,291
*310	1,252
315	1,231
*320	1,233
*325	1,231
*330	1,274
*335	1,341
*340	1,401
*345	1,424
*350	1,408
*355	1,377
AVERAGE:	1,367

TABLE IV

ANTENNA AZIMUTH DATA - HORIZONTAL POLARIZATION

RADIAL (°)	RELATIVE FIELD	RELATIVE POWER GAIN (dB)
0	0.509	-5.87
5	0.570	-4.88
10	0.639	-3.89
15	0.716	-2.90
20	0.802	-1.92
25	0.885	-1.06
30	0.945	-0.49
35	0.984	-0.14
40	1.000	0.0
45	1.000	0.0
50	1.000	0.0
55	1.000	0.0
60	1.000	0.0
65	1.000	0.0
70	1.000	0.0
75	1.000	0.0
80	1.000	0.0
85	1.000	0.0
90	1.000	0.0
95	1.000	0.0
100	1.000	0.0
105	0.983	-0.15
110	0.943	-0.51
115	0.879	-1.12
120	0.793	-2.01
125	0.707	-3.01
130	0.631	-4.00
135	0.562	-5.01

TABLE IV

ANTENNA AZIMUTH DATA - HORIZONTAL POLARIZATION

RADIAL (°)	RELATIVE FIELD	RELATIVE POWER GAIN (dB)
140	0.501	-6.00
145	0.447	-6.99
150	0.398	-8.00
155	0.355	-9.00
160	0.355	-9.00
165	0.355	-9.00
170	0.355	-9.00
175	0.362	-8.83
180	0.377	-8.47
185	0.401	-7.94
190	0.425	-7.43
195	0.440	-7.13
200	0.447	-6.99
205	0.447	-6.99
210	0.447	-6.99
215	0.447	-6.99
220	0.447	-6.99
225	0.447	-6.99
230	0.447	-6.99
235	0.444	-7.05
240	0.437	-7.19
245	0.426	-7.41
250	0.411	-7.72
255	0.392	-8.13
260	0.370	-8.64
265	0.343	-9.29
270	0.312	-10.12
275	0.282	-11.00

TABLE IV

ANTENNA AZIMUTH DATA - HORIZONTAL POLARIZATION

RADIAL (°)	RELATIVE FIELD	RELATIVE POWER GAIN (dB)
280	0.255	-11.87
285	0.232	-12.69
290	0.213	-13.43
295	0.199	-14.02
300	0.188	-14.52
305	0.181	-14.85
310	0.178	-14.99
315	0.186	-14.61
320	0.206	-13.72
325	0.231	-12.73
330	0.258	-11.77
335	0.289	-10.78
340	0.324	-9.79
345	0.363	-8.80
350	0.406	-7.83
355	0.455	-6.84

TABLE V

PROPOSED STATION - PRIMARY CONTOURS

NEW 35° 04′ 02" - 118° 23′ 03"
Mojave, CA
Santa Monica Community College District
Channel 201B, 88.1 MHz
ERP = 22 kW (13.42 dBk)
Antenna Heights: 1,562 Meters AMSL
195 Meters HAAT
26 Meters AGL

RADIAL (°)	ANTENNA HEIGHT ABOVE AVERAGE TERRAIN (Meters)	ERP (dBk)	DISTANCE TO CONTOURS F(50,50) 70 DBU (km)	DISTANCE TO CONTOURS F(50,50) 60 DBU (km)
0	213	7.55	23.3	39.4
*10	236	9.53	27.1	44.8
*20	243	11.50	30.6	49.3
*30	241	12.93	33.0	52.2
*40	228	13.42	32.9	52.2
45	150	13.42	26.9	44.9
*50	61	13.42	17.6	30.3
*60	145	13.42	26.5	44.2
*70	344	13.42	39.7	60.4
*80	284	13.42	36.4	56.3
90	395	13.42	42.2	63.7
*100	456	13.42	45.1	67.5
*110	498	12.91	46.2	69.2
*120	492	11.41	42.7	65.0
*130	488	9.42	38.6	60.1
135	484	8.41	36.5	57.5
*140	474	7.42	34.2	54.7
*145	472	6.42	32.2	52.4
*150	470	5.42	30.4	50.1
*155	437	4.42	27.6	46.2
*160	404	4.42	26.6	44.5

TABLE V

PROPOSED STATION - PRIMARY CONTOURS

RADIAL (°)	ANTENNA HEIGHT ABOVE AVERAGE TERRAIN (Meters)	ERP (dBk)	DISTANCE TO CONTOURS F(50,50) 70 DBU (km)	DISTANCE TO CONTOURS F(50,50) 60 DBU (km)
*165	356	4.42	25.1	42.2
*170	308	4.42	23.4	39.6
*175	286	4.59	22.8	38.6
180	263	4.95	22.3	37.9
*190	184	5.99	20.0	34.2
*200	94	6.43	14.3	25.6
*210	-3	6.43	8.2	14.5
*220	-23	6.43	8.2	14.5
225	-99	6.43	8.2	14.5
*230	-226	6.43	8.2	14.5
*240	-292	6.23	8.1	14.4
*250	-331	5.70	7.8	13.9
*260	-373	4.78	7.4	13.2
270	-176	3.30	6.8	12.2
*280	-60	1.55	6.2	11.1
*290	119	-0.01	11.2	20.3
*300	226	-1.10	14.5	25.7
*310	310	-1.57	16.7	29.1
315	331	-1.19	17.7	30.8
*320	329	-0.30	18.5	32.2
*330	288	1.65	19.4	33.5
*340	161	3.63	16.2	28.1
*350	154	5.59	17.9	30.5
AVERAGE	195	13.42		49.5

* - Not included in average

TABLE VI

PROPOSED STATION - INTERFERENCE CONTOURS

NEW 35° 04′ 02" - 118° 23′ 03"
Mojave, CA
Santa Monica Community College District
Channel 201B, 88.1 MHz
ERP = 22 kW (13.42 dBk)
Antenna Heights: 1,562 Meters AMSL
195 Meters HAAT
26 Meters AGL

RADIAL (°)	ANTENNA HEIGHT ABOVE AVERAGE TERRAIN (Meters)	ERP (dBk)	DISTANCE TO F(50,10) INTERFERENCE CONTOURS 40 DBU (km)	48 DBU (km)	54 DBU (km)	80 DBU (km)
0	213	7.55	101.4	75.7	58.3	13.1
*10	236	9.53	111.5	84.4	66.3	15.8
*20	243	11.50	121.2	91.3	72.8	18.5
*30	241	12.93	128.1	95.7	76.9	20.1
*40	228	13.42	129.0	95.9	77.0	20.2
45	150	13.42	119.1	86.1	66.9	15.6
*50	61	13.42	103.6	69.9	49.3	9.9
*60	145	13.42	118.3	85.4	66.1	15.2
*70	344	13.42	142.1	108.5	88.4	24.7
*80	284	13.42	135.1	101.6	82.5	22.5
90	395	13.42	148.8	115.5	93.4	26.6
*100	456	13.42	155.8	122.4	99.8	28.8
*110	498	12.91	157.4	125.0	102.2	29.2
*120	492	11.41	150.3	118.4	96.5	26.6
*130	488	9.42	141.5	110.3	89.6	23.6
135	484	8.41	137.1	106.2	86.1	22.1
*140	474	7.42	132.2	101.7	82.2	20.6
*145	472	6.42	128.1	98.1	79.0	19.3
*150	470	5.42	123.9	94.6	75.7	18.0
*155	437	4.42	116.3	88.2	70.0	16.0
*160	404	4.42	112.6	85.1	67.3	15.1

TABLE VI

PROPOSED STATION - INTERFERENCE CONTOURS

RADIAL (°)	ANTENNA HEIGHT ABOVE AVERAGE TERRAIN (Meters)	ERP (dBk)	DISTANCE TO F(50,10) INTERFERENCE CONTOURS 40 DBU (km)	48 DBU (km)	54 DBU (km)	80 DBU (km)
*165	356	4.42	106.6	80.5	63.5	14.1
*170	308	4.42	100.8	75.8	59.1	13.2
*175	286	4.59	99.1	74.2	57.6	12.8
180	263	4.95	98.0	73.1	56.5	12.5
*190	184	5.99	92.6	67.5	51.0	11.2
*200	94	6.43	80.7	54.8	39.2	8.1
*210	-3	6.43	61.2	31.5	21.6	4.5
*220	-23	6.43	61.2	31.5	21.6	4.5
225	-99	6.43	61.2	31.5	21.6	4.5
*230	-226	6.43	61.2	31.5	21.6	4.5
*240	-292	6.23	60.2	31.0	21.4	4.5
*250	-331	5.70	57.6	29.9	20.7	4.4
*260	-373	4.78	53.3	28.1	19.5	4.1
270	-176	3.30	46.6	25.7	17.7	3.8
*280	-60	1.55	40.3	23.2	15.7	3.4
*290	119	-0.01	63.5	42.7	29.9	6.4
*300	226	-1.10	75.2	53.0	38.8	8.2
*310	310	-1.57	82.0	59.3	44.1	9.3
315	331	-1.19	85.2	62.2	46.6	9.9
*320	329	-0.30	87.8	64.5	48.7	10.4
*330	288	1.65	89.9	66.0	50.4	10.9
*340	161	3.63	81.8	57.6	42.5	9.1
*350	154	5.59	87.3	62.1	46.2	10.0
AVERAGE	195	13.42				

* - Not included in average

TABLE VII

CO-CHANNEL STATIONS

KLON (LIC) 33° 48′ 00" - 118° 09′ 45"
Long Beach, CA
California State University
FCC File No. BLED-910211KC
Channel 201B1, 88.1 MHz
ERP = 8.0 kW (9.03 dBk)
Antenna Heights: 143 Meters AMSL
129 Meters HAAT
34 Meters AGL

Distance to Oak Creek Pass site = 142.0 km @ 351.9°

RADIAL (°)	ANTENNA HEIGHT ABOVE AVERAGE TERRAIN (Meters)	DISTANCE TO CONTOURS F(50,50) 60 DBU (km)	DISTANCE TO CONTOURS F(50,10) 40 DBU (km)
0	121	33.0	94.6
45	127	33.7	94.6
90	134	34.6	96.6
135	140	35.3	97.5
180	130	34.1	96.0
225	136	34.8	96.9
270	131	34.2	96.1
315	117	32.6	94.0
AVERAGE	129	34.0	
351.9	120	32.9	94.5

PROPOSED 201B 60 dBu =	39.2 km*	PROPOSED 201B 40 dBu =	100.2 km*
EXISTING KLON 40 dBu =	94.5 km	EXISTING KLON 60 dBu =	32.9 km
	133.7 km		133.1 km
SEPARATION DISTANCE:	142.0 km		142.0 km
SAFETY-ZONE:	8.3 km		8.9 km

*Based upon an ERP of 4.48 dBk & HAT of 300 meters @ 171.7° toward KLON in Long Beach.

TABLE VIII-A

FIRST-ADJACENT CHANNEL STATIONS

KCLU (CP) 34° 13′ 05" - 118° 56′ 42"
Thousand Oaks, CA
California Lutheran University
FCC File No. BMPED-930617IA
Channel 202B1, 88.3 MHz
ERP = 1.20 kW (0.79 dBk) DA
Antenna Heights: 398 Meters AMSL
163 Meters HAAT
44 Meters AGL

Distance to Oak Creek Pass site = 107.3 km @ 28.4°

RADIAL (°)	ANTENNA HEIGHT ABOVE AVERAGE TERRAIN (Meters)	ERP (dBk)	DISTANCE TO CONTOURS F(50,50) 60 DBU (km)	DISTANCE TO CONTOURS F(50,10) 54 DBU (km)
0	169	-3.78	19.5	28.8
45	198	-7.15	17.2	25.8
90	72	-6.03	11.0	15.7
135	102	-2.50	16.0	24.0
180	-40	0.79	10.6	14.8
225	225	0.79	28.3	42.9
270	358	0.79	35.7	53.9
315	219	0.79	28.0	42.3
AVERAGE	163			
28.4	157	-5.23	17.2	25.6

PROPOSED 201B 60 dBu =	14.5 km*	PROPOSED 201B 54 dBu =	21.6 km*
EXISTING KCLU 54 dBu =	25.6 km	EXISTING KCLU 60 dBu =	17.2 km
	40.1 km		38.8 km
SEPARATION DISTANCE:	107.3 km		107.3 km
SAFETY-ZONE:	67.2 km		68.5 km

* Based upon an ERP of 6.43 dBk and HAT of 10 meters @ 208.7° toward KCLU in Thousand Oaks.

TABLE VIII-B

FIRST-ADJACENT CHANNEL STATIONS

KAXL (CP) 35° 24′ 55" - 119° 14′ 01"
Greenacres, CA
Skyride Unlimited, Inc.
FCC File No. BPED-920110MB
Channel 202B1, 88.3 MHz
ERP = 21.14 kW (13.25 dBk) DA
Antenna Heights: 206 Meters AMSL
100 Meters HAAT
105 Meters AGL

Distance to Oak Creek Pass site = 86.4 km @ 116.4°

RADIAL (°)	ANTENNA HEIGHT ABOVE AVERAGE TERRAIN (Meters)	ERP (dBk)	DISTANCE TO CONTOURS F(50,50) 60 DBU (km)	DISTANCE TO CONTOURS F(50,10) 54 DBU (km)
0	92	10.03	30.8	47.9
45	79	13.25	34.0	53.8
90	92	13.25	36.4	56.6
100	93	13.25	36.5	56.8
110	94	13.25	36.7	57.0
120	95	13.25	36.9	57.2
130	96	13.25	37.1	57.4
135	97	13.25	37.2	57.6
140	97	13.25	37.2	57.6
150	99	13.25	37.6	57.9
180	106	8.06	29.7	45.6
225	111	-0.73	18.7	27.7
270	115	-1.64	18.1	26.8
315	108	1.38	20.7	30.9
AVERAGE	100			
116.4	95	13.25	36.9	57.2

PROPOSED 201B 60 dBu =	24.3 km*	PROPOSED 201B 54 dBu =	36.4 km*
PROPOSED KAXL 54 dBu =	57.2 km	PROPOSED KAXL 60 dBu =	36.9 km
	81.5 km		73.3 km
SEPARATION DISTANCE:	86.4 km		86.4 km
SAFETY-ZONE:	4.9 km		13.1 km

* Based upon an ERP of -0.787 dBk and HAT of 193 meters @ 296.9° toward KAXL in Greenacres.

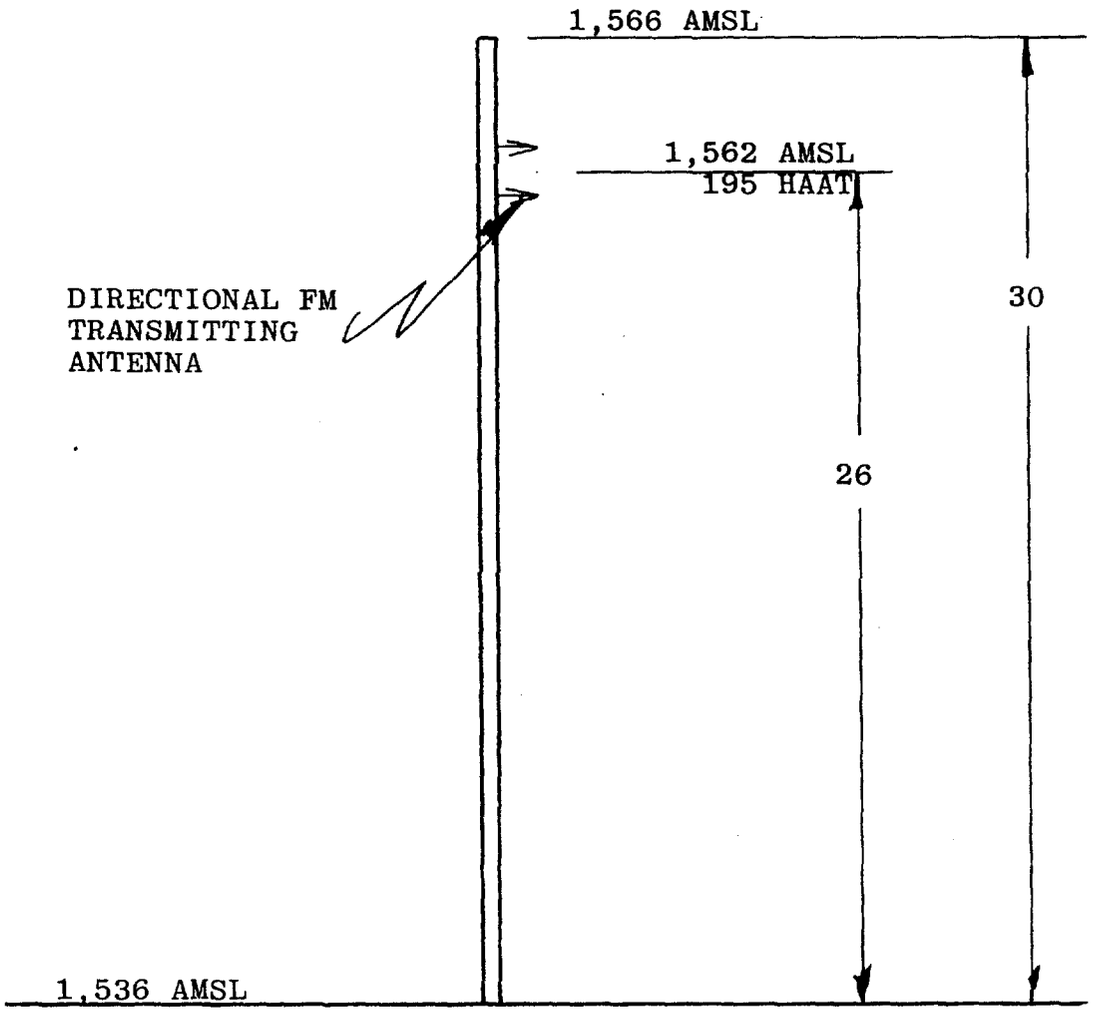
TABLE IX

TV CHANNEL 6 STATIONS

KSBY-TV 35° 21′ 37" - 120° 39′ 18"
San Luis Obispo, CA
KSBY, Inc.
Channel 6
ERP = 100 kW (+20 dBk)
Antenna Heights: 543 Meters HAAT

Distance to Oak Creek Pass site = 209.3 km @ 98.3°

RADIAL (°)	ANTENNA HEIGHT ABOVE AVERAGE TERRAIN (Meters)	DISTANCE TO CONTOURS F(50,50) 47 DBU (km)
75	476	116
80	471	118
85	466	117
90	462	117
95	439	115



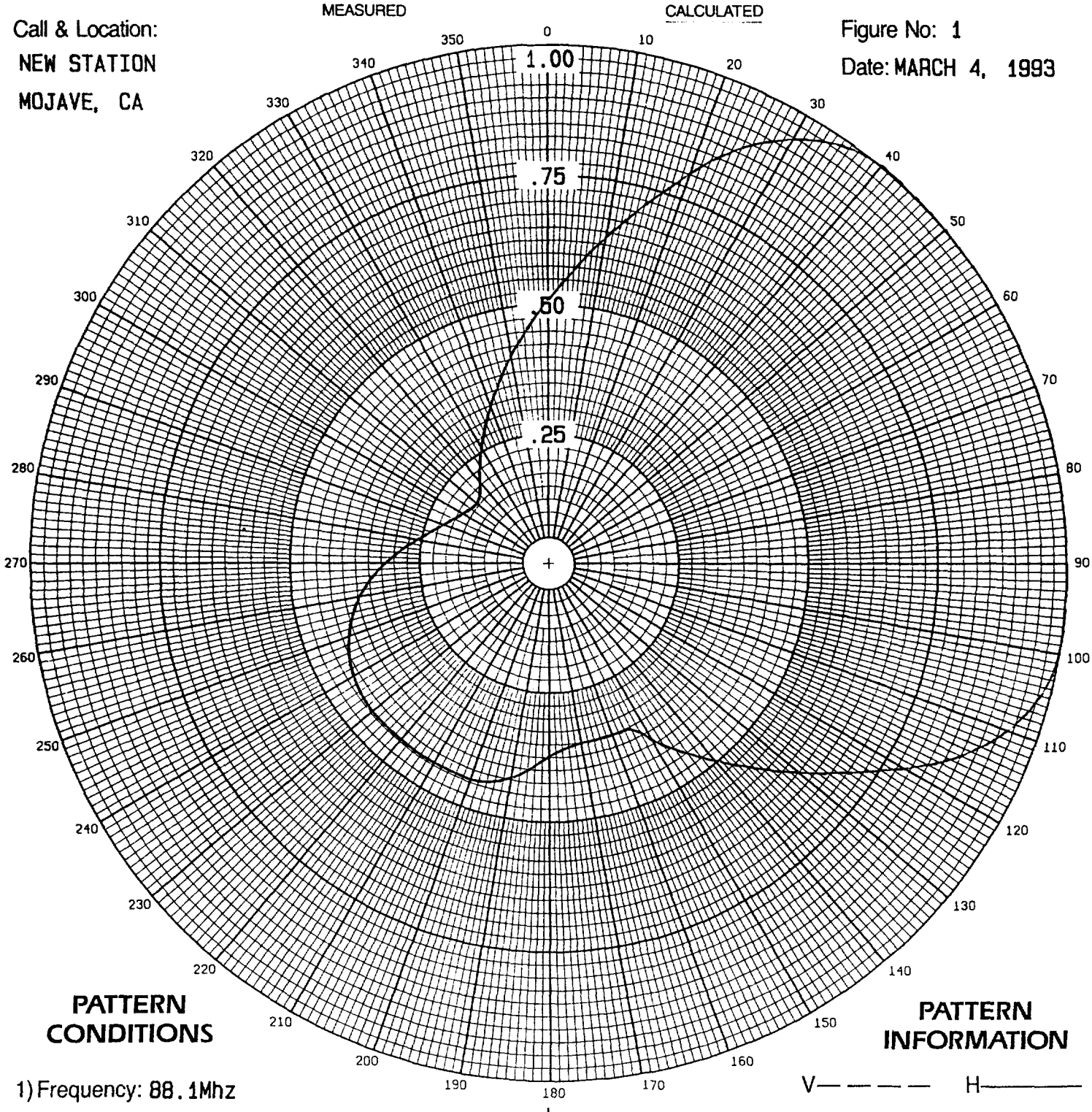
NOTES: 1. All heights are in meters.
2. Not drawn to scale.

OAK CREEK PASS SITE 35° 04' 02" - 118° 23' 03"	PROPOSED ANTENNA ELEVATION
SANTA MONICA COLLEGE CHANNEL 201B MOJAVE, CALIFORNIA	FIGURE 1

HORIZONTAL PLANE RELATIVE FIELD PATTERN

Call & Location:
NEW STATION
MOJAVE, CA

Figure No: 1
Date: MARCH 4, 1993



PATTERN CONDITIONS

1) Frequency: 88.1Mhz
2) Antenna Type: DA1005-2B-HW
3) Antenna Orientation: North 70 Deg. East
4) Antenna Mounting: STANDARD
5) Tower Type: 8 5/8" o.d. pole

PATTERN INFORMATION

V— — — — — H————

VERTICAL	HORIZONTAL
Rms: .62461	Rms: .62461
Maximum: 1 N40°E	Maximum: 1 N40°E
Minimum: .1778 N310°E	Minimum: .1778 N310°E

6) Comments: CALCULATED DATA- The composite maximum achievable value of either horizontal or vertical component.

AZIMUTH POLAR PLOT

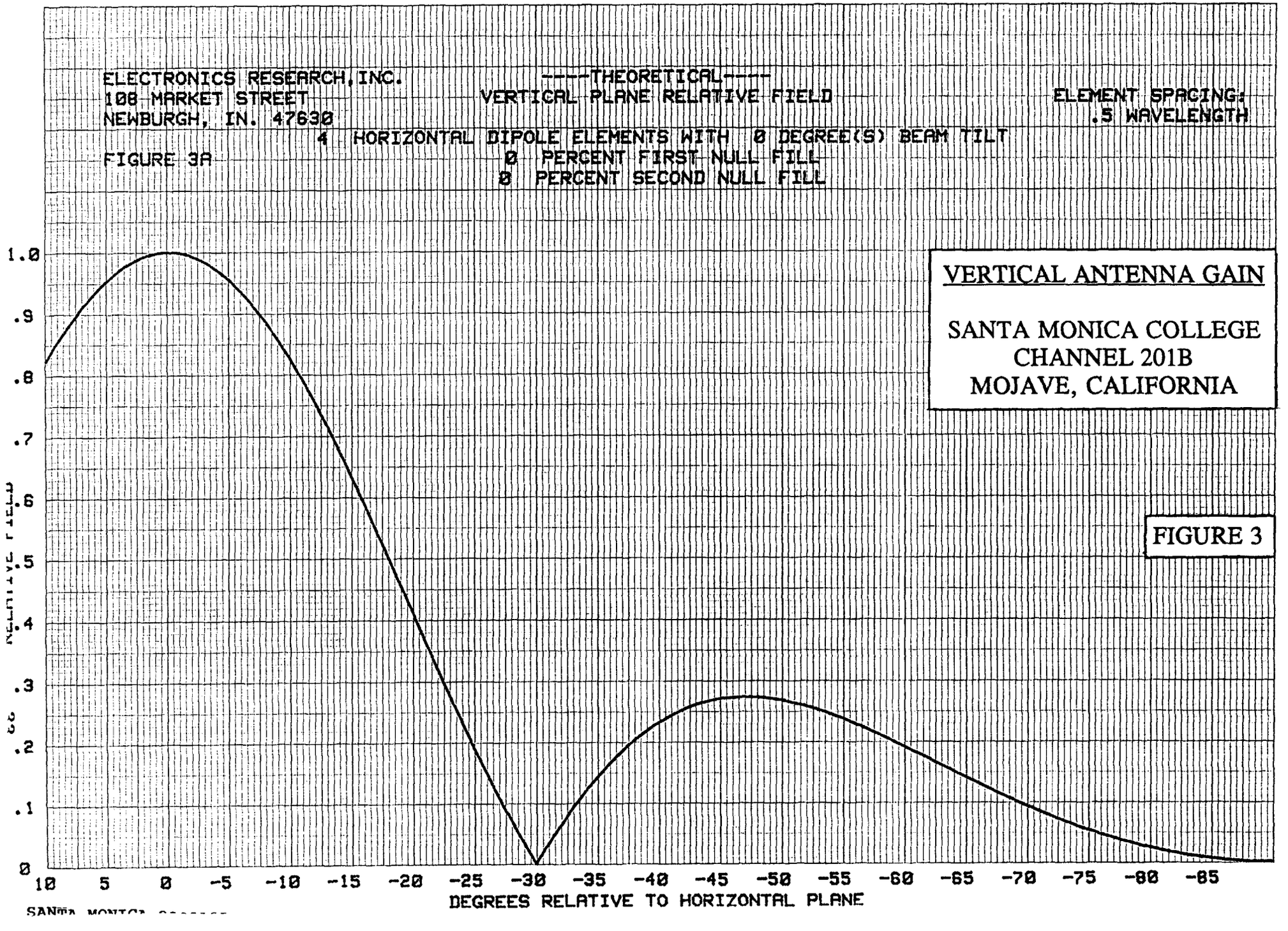
FIGURE 2

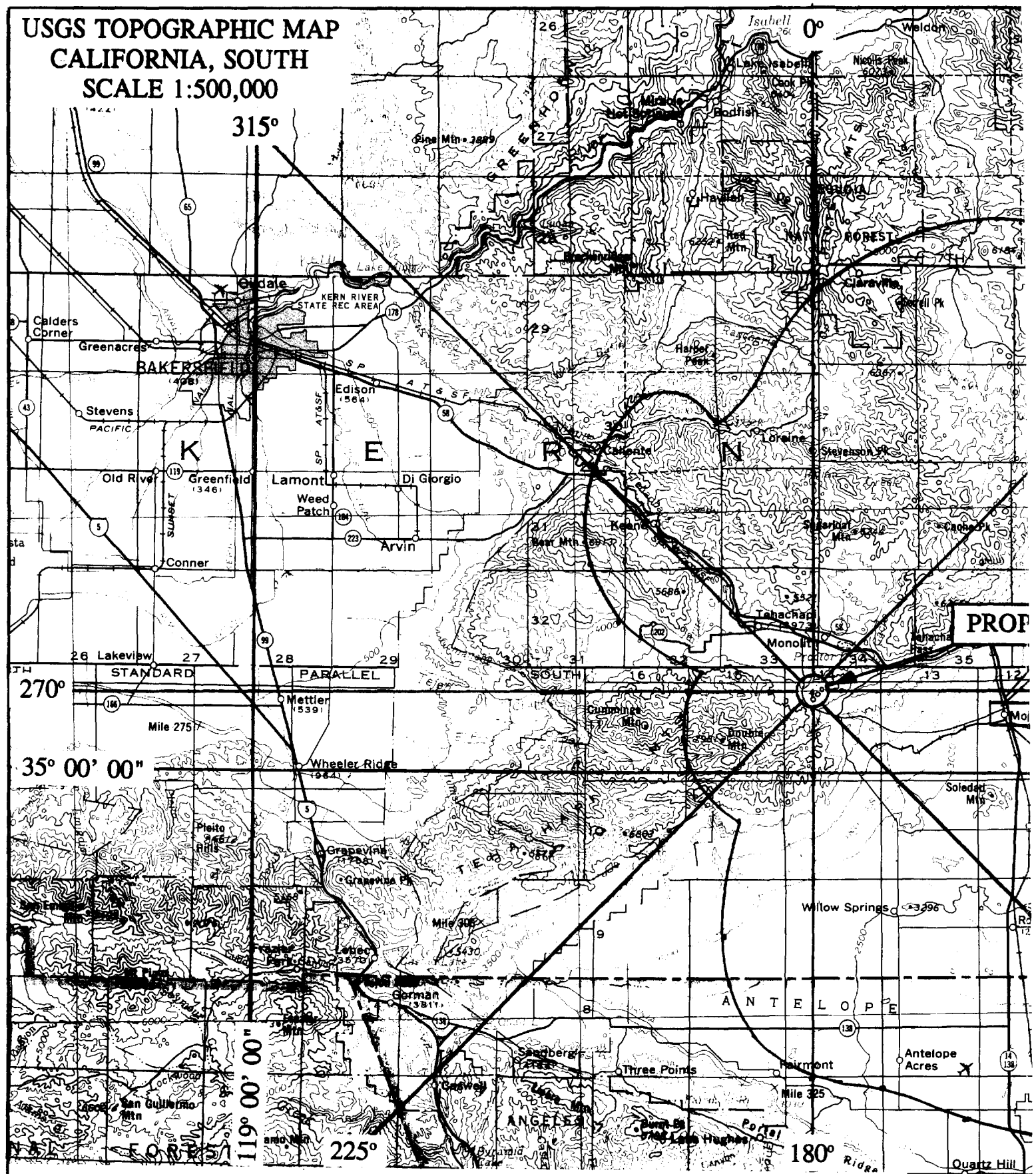
SANTA MONICA:930312B

ERI Electronics Research Inc.
108 Market St. • Newburgh, In. 47630 • Phone (812) 853-3318 • FAX (812) 853-5706

Form No. 547-P

K+E 10 X 10 TO ½ INCH 7 X 10 INCHES
KEUFFEL & ESSER CO. MADE IN U.S.A.





SANTA MONICA:930312B

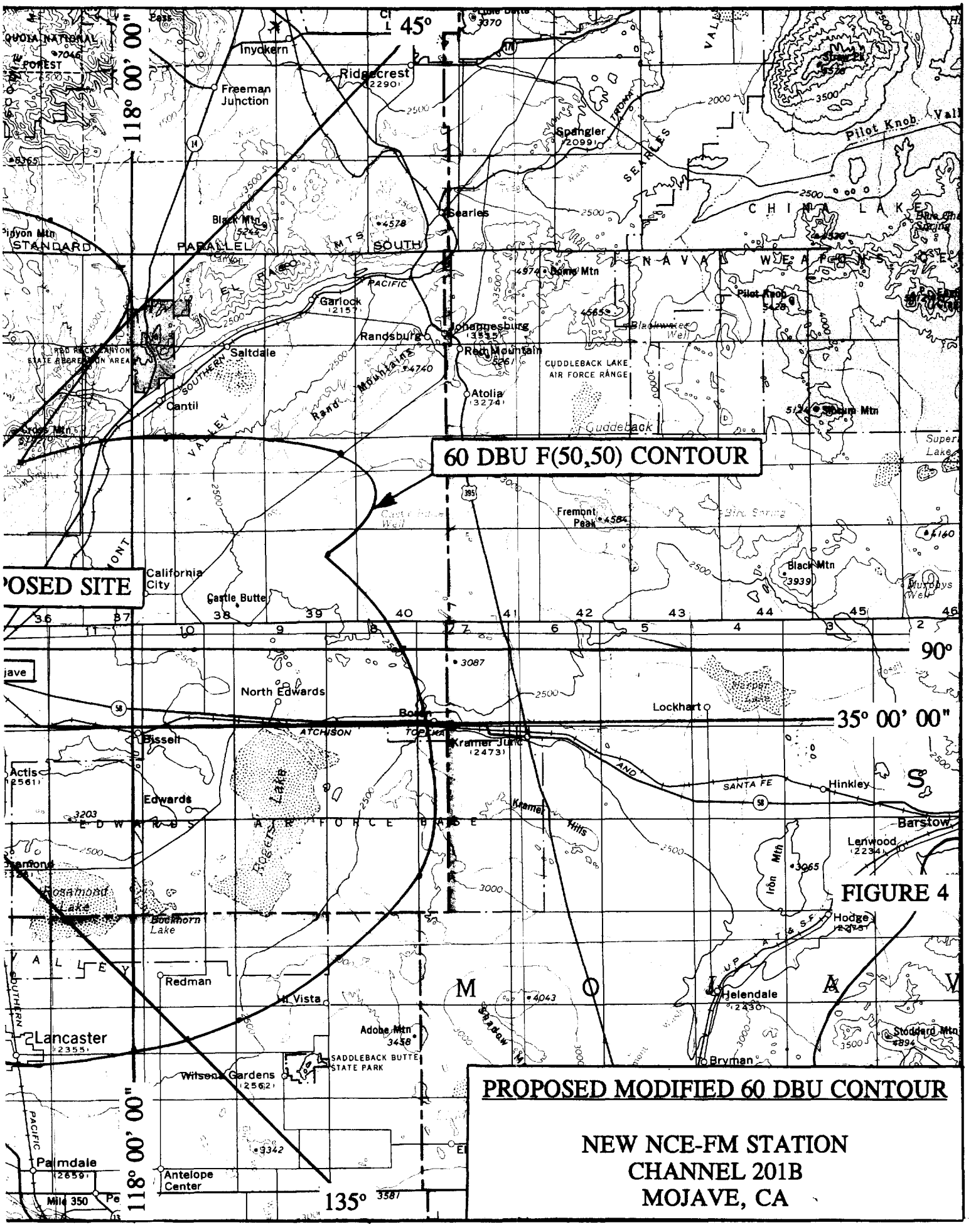
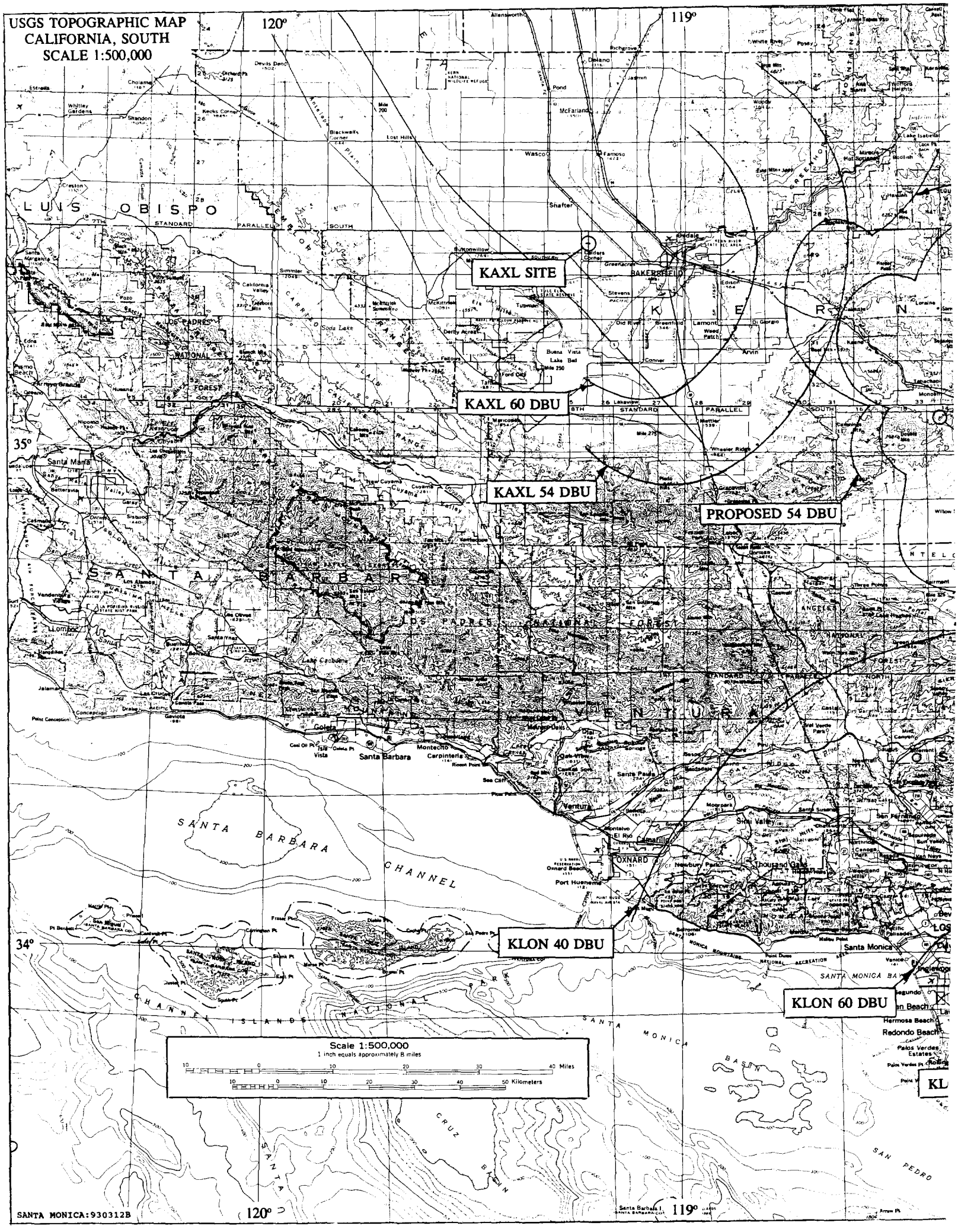

60 DBU F(50,50) CONTOUR
POSED SITE
45°
118° 00' 00"
90°
35° 00' 00"
135°
118° 00' 00"
Inyokern
Ridgecrest
Freeman Junction
Spangler
Searles
Black Mtn
STANDARD
PARALLEL
SOUTH
Garlock
Randsburg
Johannesburg
Red Mountain
Saltdale
Cantil
Atolia
CUDDLEBACK LAKE AIR FORCE RANGE
Cuddeback
Pilot Knob
CHINA LAKE
NAVAL WEAPONS
Fremont Peak
Black Mtn
California City
Castle Butte
North Edwards
Boron
Lockhart
Bissell
Kramer Junc
Actis
Edwards
Hinkley
Barstow
Lenwood
Iron Mtn
Hodge
Helendale
Redman
Vista
Lancaster
Adobe Mtn
SADDLEBACK BUTTE STATE PARK
Wilsona Gardens
Bryman
Stoddard Mtn
Palmdale
Antelope Center
Rosamond Lake
Buckhorn Lake
Rogers Lake
Kramer Hills
Shadow Mtn
Cross Mtn
Pinyon Mtn
Super Lake
Mojave
PROPOSED MODIFIED 60 DBU CONTOUR
NEW NCE-FM STATION
CHANNEL 201B
MOJAVE, CA

FIGURE 4


USGS TOPOGRAPHIC MAP
CALIFORNIA, SOUTH
SCALE 1:500,000
120°
119°
35°
34°
KAXL SITE
KAXL 60 DBU
KAXL 54 DBU
PROPOSED 54 DBU
KLON 40 DBU
KLON 60 DBU
LUIS OBISPO
SANTA BARBARA
VENTURA
KERN
SANTA BARBARA CHANNEL
CHANNEL ISLANDS NATIONAL PARK
SANTA MONICA BAY
SANTA CRUZ BASIN
SAN PEDRO
Scale 1:500,000
1 inch equals approximately 8 miles
Miles
Kilometers
SANTA MONICA:930312B