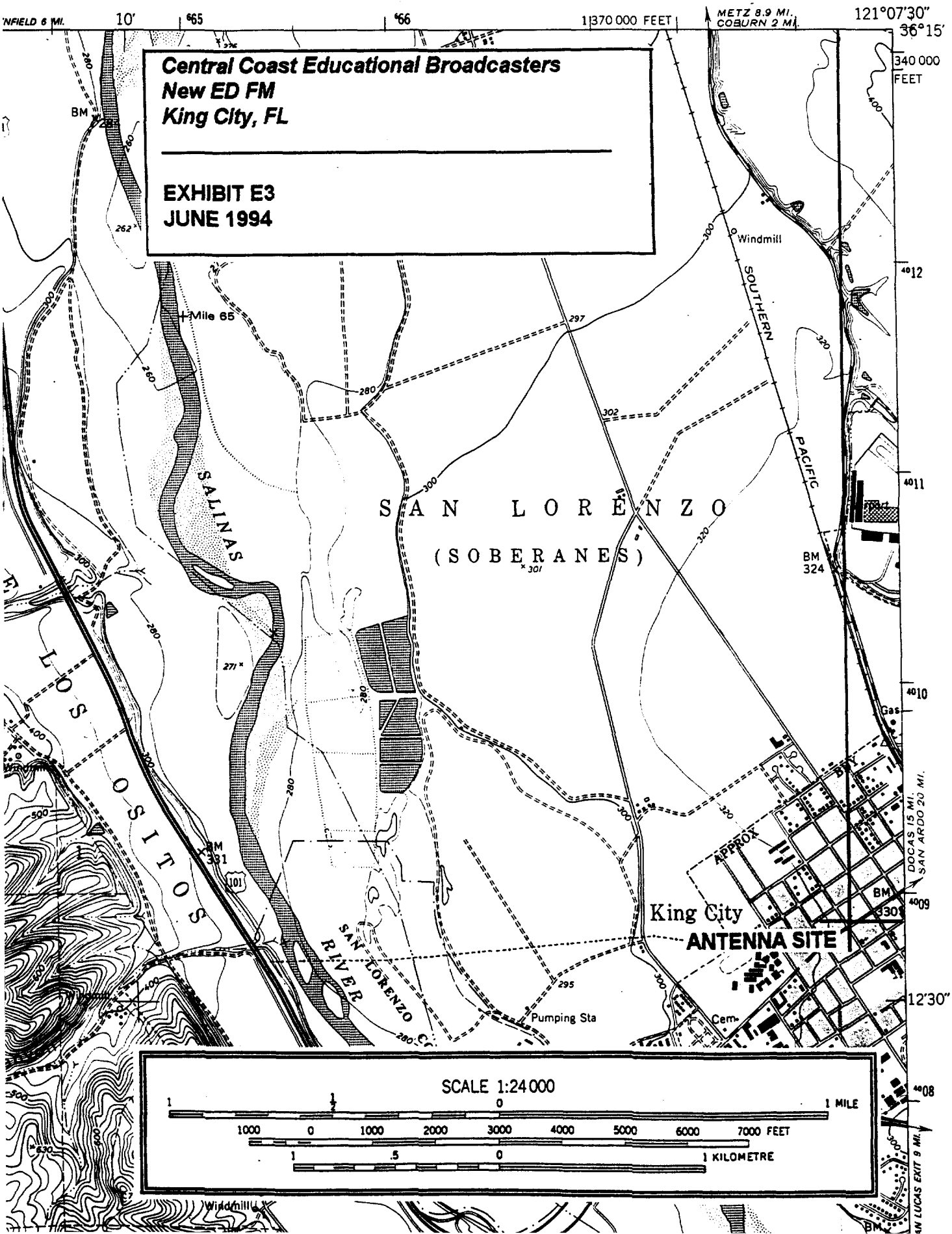
Central Coast Educational Broadcasters
New ED FM
King City, FL

EXHIBIT E2
JUNE 1994

The proposed FM location is not currently utilized by any broadcast station. No interference is anticipated to any facility referenced in Section V-B, No. 12, however, the Applicant assumes full responsibility for the elimination of any interference due to the operation of the proposed FM, if such occurs.

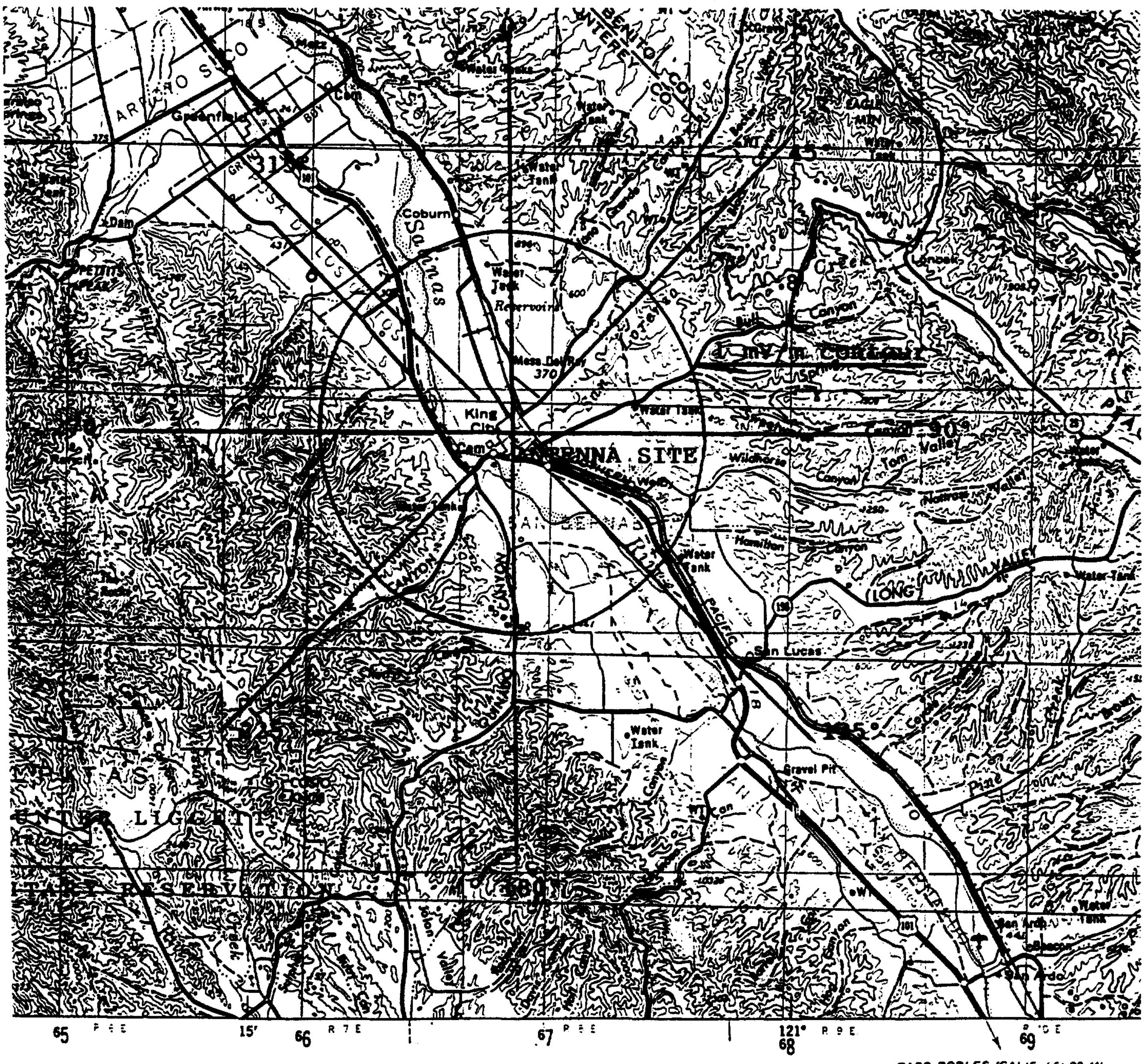
THOMPSON CANYON QUADRANGLE
CALIFORNIA-MONTEREY CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
NW/4 KING CITY 15' QUADRANGLE

1756 I SE (PINALITO CANYON)



Central Coast Educational Broadcasters
New ED FM
King City, FL

EXHIBIT E4
JUNE 1994



Scale 1:250,000

5 0 5 10 15 20 Statute Miles

5 0 5 10 15 20 25 30 Kilometers

5 0 5 10 15 Nautical Miles

Central Coast Educational Broadcasters
New ED FM
King City, FL

EXHIBIT E5
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The proposed FM meets all minimum distance separation requirements with regard to all stations that are co-channel, first, second or third adjacent channels, and stations that are separated by 53/54 channels, with the exception that the proposed FM appears to be mutually exclusive with the following new application:

CH 219B, San Ardo, CA, BPED-940316MB
Geographical coordinates: 35-57-06 / 121-00-03
ERP: 2.7 KW
HAAT: 543 meters
COR AMSL: 889 meters

Page 2 of this exhibit is an interference study showing the relationship of the proposed FM to other stations. However, it does not including the above application, as it seems that the regularly updated FM FCC database made available to the public through NTIS was not available as of the time of this filing from NTIS, resulting in this particular application not being included yet in the database. Pages 3 through 6 contain the tabulation of the protected and interfering contours of the stations for which it was deemed necessary to submit more detailed information, including the overlap of the new application in San Ardo, CA, and page 7 is a map showing the protected and interfering contours of these stations.

Central Coast Educational Broadcasters
New ED FM
King City, CA

EXHIBIT E5
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CH# 217A - 91.3 MHz
salinas
INTERFERENCE CHECKS WITH NEW, KING CITY, CA at N. LAT. 36 12 42 W. LNG. 121 07 41
PWR = .4 kW H.A.A.T. =-117 M C.O.R. = 127 M AMSL
Protected F(50-50) 60 dBu = 8 km
F(50-10) 40 dBu = 26.85 54 dBu = 11.37 80 dBu = 2.54 100 dBu = 1.4

CH# CITY	CALL	TYPE STATE	* IN * LICENSEE	* OUT *	BEARING <---	DISTANCE	LAT. LNG.	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) FILE #
215A	KHDC	LI	CN	36.0	28.5	325.5	49.83 km	36 34 54	3.00	5.87	18.83
Chualar		CA	Voces Unidas Bilingual B/C			145.5	30.96 Mi	121 26 34	59.0	369	BLED810708AC
216B1	AP216	AP	CN	81.8	92.2	49.4	128.75 km	36 57 58	7.50	38.90	25.22
Madera		CA	Hmong-Southeast Asian Publ			229.4	80.00 Mi	120 02 06	70.0	154	BPED940223MB
217B	KUOP	LI	DCN	9.5	63.9	352.0	142.14 km	37 28 48	7.00	124.64	51.34
Stockton		CA	University of the Pacific			172.0	88.32 Mi	121 21 02	372.0	827	BLED830310AI
217A	KCPR	LI	CN	55.8	70.4	157.9	109.23 km	35 17 58	2.00	45.40	12.00
San Luis Obispo		CA	California State Polytechn			337.9	67.87 Mi	120 40 26	-107.0	158	BLED1467
218B1	KKUP	LI	CN	56.3	71.6	327.4	118.54 km	37 06 40	0.20	54.28	35.62
Cupertino		CA	Assurance Science Foundati			147.4	73.66 Mi	121 50 36	787.0	1180	BLED831114AD
220A	KSPB	LI	CN	72.7	58.7	300.3	82.51 km	36 35 11	1.00	1.78	22.45
Pebble Beach		CA	Robert Louis Stevenson Sch			120.3	51.27 Mi	121 55 21	148.0	245	BLED830701AF
i.f. RELATIONSHIPS:											
271B	KRKCFM	LI	CN	15.0 R	16.0 M	158.3	31.04 km	35 57 06	2.60	3.29	66.00
King City		CA	King City Communications C			338.3	19.29 Mi	121 00 03	555.0	899	BLH890203KC

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NEW
Channel= 217
Max ERP = .4 kW
RCAMSL = 127 M
N. Lat = 361242
W. Lng = 1210741

San Ardo
Channel = 219
Max ERP = 2.7 kW
RCAMSL = 889 M
N. Lat = 355706
W. Lng = 1210003

Protected 60 dBu				Interfering 80 dBu				
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
0.0	0.400	-77.8	8.0	342.7	2.700	515.0	38.6	67.3
10.0	0.400	-124.0	8.0	344.7	2.700	523.4	38.1	67.7
20.0	0.400	-143.2	8.0	346.5	2.700	533.0	37.4	68.2
30.0	0.400	-149.4	8.0	348.2	2.700	545.6	36.5	68.8
40.0	0.400	-131.5	8.0	349.8	2.700	559.2	35.5	69.5
50.0	0.400	-124.1	8.0	351.1	2.700	568.5	34.4	70.2
60.0	0.400	-108.8	8.0	352.1	2.700	573.9	33.2	70.8
70.0	0.400	-149.1	8.0	352.9	2.700	578.2	31.8	71.5
80.0	0.400	-158.4	8.0	353.2	2.700	579.9	30.5	72.2
90.0	0.400	-142.0	8.0	353.2	2.700	579.9	29.1	73.0
100.0	0.400	-86.7	8.0	352.6	2.700	576.5	27.7	73.7
110.0	0.400	-71.4	8.0	351.4	2.700	570.2	26.4	74.4
120.0	0.400	-34.8	8.0	349.7	2.700	558.4	25.3	74.9
130.0	0.400	-9.9	8.0	347.3	2.700	538.5	24.3	75.2
140.0	0.400	5.2	8.0	344.5	2.700	522.6	23.6	75.4
150.0	0.400	-13.6	8.0	341.2	2.700	506.5	23.2	75.5
160.0	0.400	-35.0	8.0	337.7	2.700	484.8	23.0	75.2
170.0	0.400	-84.8	8.0	334.3	2.700	443.0	23.3	74.3
180.0	0.400	-138.0	8.0	331.2	2.700	407.2	23.8	73.1
190.0	0.400	-135.0	8.0	328.5	2.700	382.9	24.6	71.9
200.0	0.400	-165.4	8.0	326.4	2.700	366.1	25.6	70.8
210.0	0.400	-212.5	8.0	324.8	2.700	368.3	26.8	70.1
220.0	0.400	-261.3	8.0	323.8	2.700	375.7	28.1	69.4
230.0	0.400	-252.4	8.0	323.4	2.700	377.6	29.5	68.6
240.0	0.400	-290.5	8.0	323.5	2.700	377.3	30.9	67.9
250.0	0.400	-279.8	8.0	324.0	2.700	374.4	32.3	67.1
260.0	0.400	-214.4	8.0	324.9	2.700	367.6	33.6	66.3
270.0	0.400	-234.6	8.0	326.0	2.700	364.8	34.8	65.6
280.0	0.400	-190.9	8.0	327.4	2.700	373.0	35.9	65.3
290.0	0.400	-150.6	8.0	329.0	2.700	387.4	36.8	65.3
300.0	0.400	-55.5	8.0	330.8	2.700	403.7	37.6	65.3
310.0	0.400	2.6	8.0	332.6	2.700	420.6	38.3	65.5
320.0	0.400	5.6	8.0	334.6	2.700	447.7	38.7	65.9
330.0	0.400	5.1	8.0	336.6	2.700	474.8	39.0	66.4
340.0	0.400	-2.1	8.0	338.7	2.700	491.3	39.0	66.7

Central Coast Educational Broadcasters
New ED FM
King City, CA

EXHIBIT E5
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San Ardo
Channel= 219
Max ERP = 2.7 kW
RCAMSL = 889 M
N. Lat = 355706
W. Lng = 1210003

NEW
Channel = 217
Max ERP = .4 kW
RCAMSL = 127 M
N. Lat = 361242
W. Lng = 1210741

Protected 60 dBu				Interfering 80 dBu				
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
0.0	2.700	595.0	54.1	24.3	0.400	-151.9	27.7	39.5
10.0	2.700	607.1	54.6	40.0	0.400	-131.5	32.5	37.2
20.0	2.700	630.5	55.4	52.6	0.400	-112.2	38.2	35.1
30.0	2.700	639.0	55.7	63.7	0.400	-119.3	43.8	33.4
40.0	2.700	636.0	55.6	73.8	0.400	-165.6	49.1	32.1
50.0	2.700	607.4	54.6	83.3	0.400	-149.5	53.6	31.2
60.0	2.700	599.7	54.3	91.7	0.400	-143.7	58.5	30.1
70.0	2.700	579.3	53.5	99.7	0.400	-85.6	62.6	29.3
80.0	2.700	585.5	53.7	106.9	0.400	-84.4	67.3	28.4
90.0	2.700	567.6	53.0	114.1	0.400	-54.4	70.6	27.8
100.0	2.700	532.2	51.2	121.4	0.400	-29.0	72.5	27.5
110.0	2.700	539.3	51.6	127.8	0.400	-18.7	75.9	26.9
120.0	2.700	574.8	53.3	133.9	0.400	3.6	80.0	26.1
130.0	2.700	601.3	54.3	140.2	0.400	5.1	83.0	25.5
140.0	2.700	522.3	50.6	146.9	0.400	-4.8	80.7	25.9
150.0	2.700	488.0	48.7	153.2	0.400	-24.3	79.5	26.2
160.0	2.700	579.5	53.5	159.4	0.400	-33.3	84.5	25.2
170.0	2.700	578.6	53.4	165.7	0.400	-58.1	84.1	25.3
180.0	2.700	572.5	53.2	172.0	0.400	-92.7	82.8	25.5
190.0	2.700	570.2	53.1	178.4	0.400	-140.0	81.2	25.8
200.0	2.700	548.6	52.1	184.6	0.400	-121.5	78.0	26.5
210.0	2.700	545.2	51.9	191.1	0.400	-140.2	75.2	27.0
220.0	2.700	542.5	51.8	197.6	0.400	-161.7	71.9	27.6
230.0	2.700	529.5	51.0	204.1	0.400	-183.9	67.5	28.4
240.0	2.700	548.8	52.1	211.5	0.400	-219.3	64.4	29.0
250.0	2.700	554.7	52.4	218.9	0.400	-268.0	60.1	29.8
260.0	2.700	571.4	53.1	227.0	0.400	-223.4	55.8	30.7
270.0	2.700	568.2	53.0	235.2	0.400	-281.3	50.5	31.8
280.0	2.700	547.9	52.0	243.5	0.400	-292.3	44.4	33.3
290.0	2.700	510.0	49.9	251.6	0.400	-268.9	37.3	35.4
300.0	2.700	441.4	46.2	258.6	0.400	-210.4	29.1	38.7
310.0	2.700	320.3	40.1	260.8	0.400	-215.8	19.5	45.3
320.0	2.700	342.7	41.3	280.4	0.400	-186.7	15.3	48.7
330.0	2.700	396.5	44.0	311.2	0.400	4.1	14.0	50.2
340.0	2.700	498.8	49.3	342.8	0.400	-13.1	18.3	46.3

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New ED FM
King City, CA

EXHIBIT E5
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NEW
Channel= 217
Max ERP = .4 kW
RCAMSL = 127 M
N. Lat = 361242
W. Lng = 1210741

KHDC - BLED810708AC
Channel = 215
Max ERP = 3 kW
RCAMSL = 369 M
N. Lat = 363454
W. Lng = 1212634

Protected 60 dBu				Interfering 80 dBu				
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
0.0	0.400	-77.8	8.0	139.5	3.000	200.6	43.5	56.6
10.0	0.400	-124.0	8.0	138.3	3.000	189.1	44.5	55.6
20.0	0.400	-143.2	8.0	137.3	3.000	178.5	45.6	54.6
30.0	0.400	-149.4	8.0	136.6	3.000	170.2	46.9	53.7
40.0	0.400	-131.5	8.0	136.3	3.000	166.3	48.3	53.0
50.0	0.400	-124.1	8.0	136.3	3.000	166.3	49.7	52.4
60.0	0.400	-108.8	8.0	136.5	3.000	168.9	51.1	52.0
70.0	0.400	-149.1	8.0	137.0	3.000	175.0	52.4	51.8
80.0	0.400	-158.4	8.0	137.7	3.000	182.9	53.6	51.7
90.0	0.400	-142.0	8.0	138.6	3.000	192.0	54.8	51.7
100.0	0.400	-86.7	8.0	139.6	3.000	201.5	55.7	51.7
110.0	0.400	-71.4	8.0	140.8	3.000	212.0	56.5	51.9
120.0	0.400	-34.8	8.0	142.0	3.000	220.9	57.2	52.0
130.0	0.400	-9.9	8.0	143.4	3.000	229.2	57.6	52.2
140.0	0.400	5.2	8.0	144.7	3.000	235.6	57.8	52.3
150.0	0.400	-13.6	8.0	146.1	3.000	242.0	57.8	52.6
160.0	0.400	-35.0	8.0	147.5	3.000	248.1	57.6	52.9
170.0	0.400	-84.8	8.0	148.8	3.000	253.5	57.2	53.2
180.0	0.400	-138.0	8.0	150.1	3.000	258.3	56.6	53.6
190.0	0.400	-135.0	8.0	151.2	3.000	261.9	55.8	54.1
200.0	0.400	-165.4	8.0	152.3	3.000	265.5	54.9	54.6
210.0	0.400	-212.5	8.0	153.2	3.000	268.5	53.8	55.1
220.0	0.400	-261.3	8.0	153.9	3.000	270.8	52.5	55.7
230.0	0.400	-252.4	8.0	154.4	3.000	272.5	51.2	56.3
240.0	0.400	-290.5	8.0	154.7	3.000	273.4	49.8	56.9
250.0	0.400	-279.8	8.0	154.7	3.000	273.4	48.5	57.4
260.0	0.400	-214.4	8.0	154.4	3.000	272.5	47.1	57.9
270.0	0.400	-234.6	8.0	153.8	3.000	270.5	45.8	58.4
280.0	0.400	-190.9	8.0	152.8	3.000	267.2	44.6	58.8
290.0	0.400	-150.6	8.0	151.6	3.000	263.2	43.6	59.1
300.0	0.400	-55.5	8.0	150.1	3.000	258.3	42.8	59.3
310.0	0.400	2.6	8.0	148.4	3.000	251.9	42.2	59.3
320.0	0.400	5.6	8.0	146.5	3.000	243.7	41.9	59.2
330.0	0.400	5.1	8.0	144.6	3.000	235.1	41.8	58.9
340.0	0.400	-2.1	8.0	142.8	3.000	225.9	42.1	58.4

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New ED FM
King City, CA

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KHDC - BLED810708AC
Channel= 215
Max ERP = 3 kW
RCAMSL = 369 M
N. Lat = 363454
W. Lng = 1212634

NEW
Channel = 217
Max ERP = .4 kW
RCAMSL = 127 M
N. Lat = 361242
W. Lng = 1210741

Protected
60 dBu

Interfering
80 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
0.0	3.000	-119.0	13.2	332.5	0.400	5.1	61.2	29.6
10.0	3.000	-216.1	13.2	334.4	0.400	5.1	60.0	29.8
20.0	3.000	-257.2	13.2	336.1	0.400	4.5	58.5	30.1
30.0	3.000	-204.1	13.2	337.6	0.400	2.5	56.8	30.5
40.0	3.000	-222.1	13.2	338.9	0.400	0.4	54.8	30.9
50.0	3.000	-160.5	13.2	339.9	0.400	-1.8	52.8	31.4
60.0	3.000	-204.9	13.2	340.6	0.400	-4.5	50.5	31.8
70.0	3.000	-322.3	13.2	340.9	0.400	-5.8	48.2	32.3
80.0	3.000	-313.4	13.2	340.7	0.400	-4.9	45.9	32.9
90.0	3.000	-269.2	13.2	339.9	0.400	-1.8	43.7	33.5
100.0	3.000	-189.7	13.2	338.6	0.400	0.9	41.6	34.0
110.0	3.000	-155.0	13.2	336.6	0.400	3.9	39.8	34.6
120.0	3.000	-21.6	13.2	334.0	0.400	5.1	38.3	35.1
130.0	3.000	71.9	20.6	335.9	0.400	4.7	30.4	38.1
140.0	3.000	205.2	33.6	336.5	0.400	4.0	16.7	47.6
150.0	3.000	257.9	37.3	312.3	0.400	5.1	13.0	51.5
160.0	3.000	289.1	39.2	286.0	0.400	-155.3	15.5	48.6
170.0	3.000	303.8	40.0	274.5	0.400	-230.2	21.4	43.8
180.0	3.000	301.5	39.9	272.4	0.400	-232.4	28.3	39.1
190.0	3.000	276.0	38.4	275.3	0.400	-229.3	35.1	36.2
200.0	3.000	221.4	34.9	281.6	0.400	-173.5	41.1	34.2
210.0	3.000	136.0	27.7	292.1	0.400	-147.9	45.4	33.0
220.0	3.000	89.8	23.0	298.6	0.400	-81.1	49.0	32.2
230.0	3.000	118.8	26.2	296.6	0.400	-121.4	54.0	31.1
240.0	3.000	118.9	26.2	298.8	0.400	-77.1	58.1	30.2
250.0	3.000	128.2	27.0	300.7	0.400	-45.6	62.3	29.4
260.0	3.000	241.0	36.3	298.5	0.400	-83.1	72.8	27.4
270.0	3.000	303.7	40.0	301.0	0.400	-42.0	79.6	26.2
280.0	3.000	307.2	40.2	305.3	0.400	-8.6	83.1	25.5
290.0	3.000	304.9	40.0	309.8	0.400	2.4	85.6	24.9
300.0	3.000	298.1	39.7	314.2	0.400	6.0	87.3	24.6
310.0	3.000	288.9	39.1	318.7	0.400	5.8	88.1	24.4
320.0	3.000	230.7	35.6	323.2	0.400	5.1	85.3	25.0
330.0	3.000	144.3	28.4	327.1	0.400	5.1	78.1	26.4
340.0	3.000	6.0	13.2	328.5	0.400	5.1	62.7	29.3

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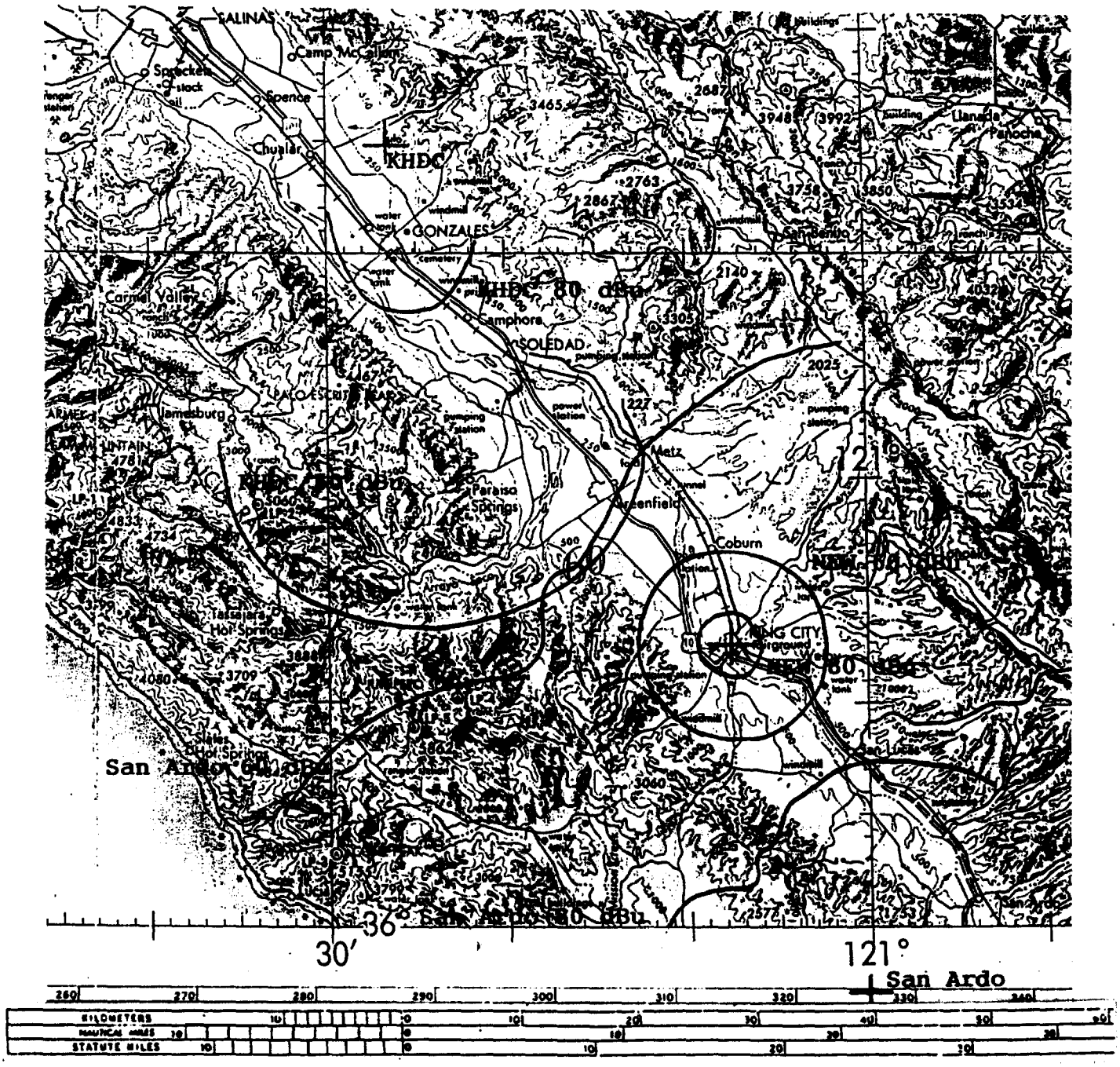

Central Coast Educational Broadcasters
New ED FM
King City, CA

EXHIBIT E6
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The CH 6 TV that is within the required study distance of 246 km for FM channel 203 is as follows:

KSBY, San Luis Obispo, CA
Geographical coordinates: 35-21-37 / 120-39-17.5
ERP: 100 KW
COR AMSL: 885 meters
Separation Distance: 103.7 km

The proposed FM will utilize vertical-only polarization in order to provide adequate protection to KSBY. Based on .400 KW ERP vertical-only polarization, the horizontal ERP used for this study is ..010 KW. The FM interfering contours are as follows:

CH 6 dBu	Dist. to CH 6 dBu	U/D	FM int. contour	Dist. to FM int. contour
50	107.0 km	25.0	75.0	.5 km
51	104.4 km	23.8	74.8	.5 km
52	101.8 km	22.6	74.6	.5 km
53	99.3 km	21.3	74.3	.5 km
54	96.8 km	20.4	74.2	.5 km

The FM predicted interference area was determined to have a population of 2369 persons.

Central Coast Educational Broadcasters
New ED FM
King City, CA

EXHIBIT E7
JUNE 1994

Environmental Impact & RF Radiation Compliance

The proposed FM will be located on private property in a commercial area of King City on a proposed 75 foot tower to be mounted on an existing building. The site complies with all requirements of Section 1.1307 of the Commission's Rules.

The proposed FM will operate with .400 KW ERP vertical polarization only at a height of 21 meters above the building. Per FCC OST Bulletin No. 65, Appendix B, Table 1, the FM would be required to be a minimum of 4 meters above ground for a "worst" case situation. The FM complies with ANSI RF radiation exposure limits as the antenna height will exceed the minimum height required by 17 meters. Furthermore, access to the tower on the roof of the building will be restricted, RF radiation hazard warning signs will be posted, and all authorized workers at the site will be protected in all possible areas of RF radiation, including the tower, by either reducing the power or ceasing operations during times of access.