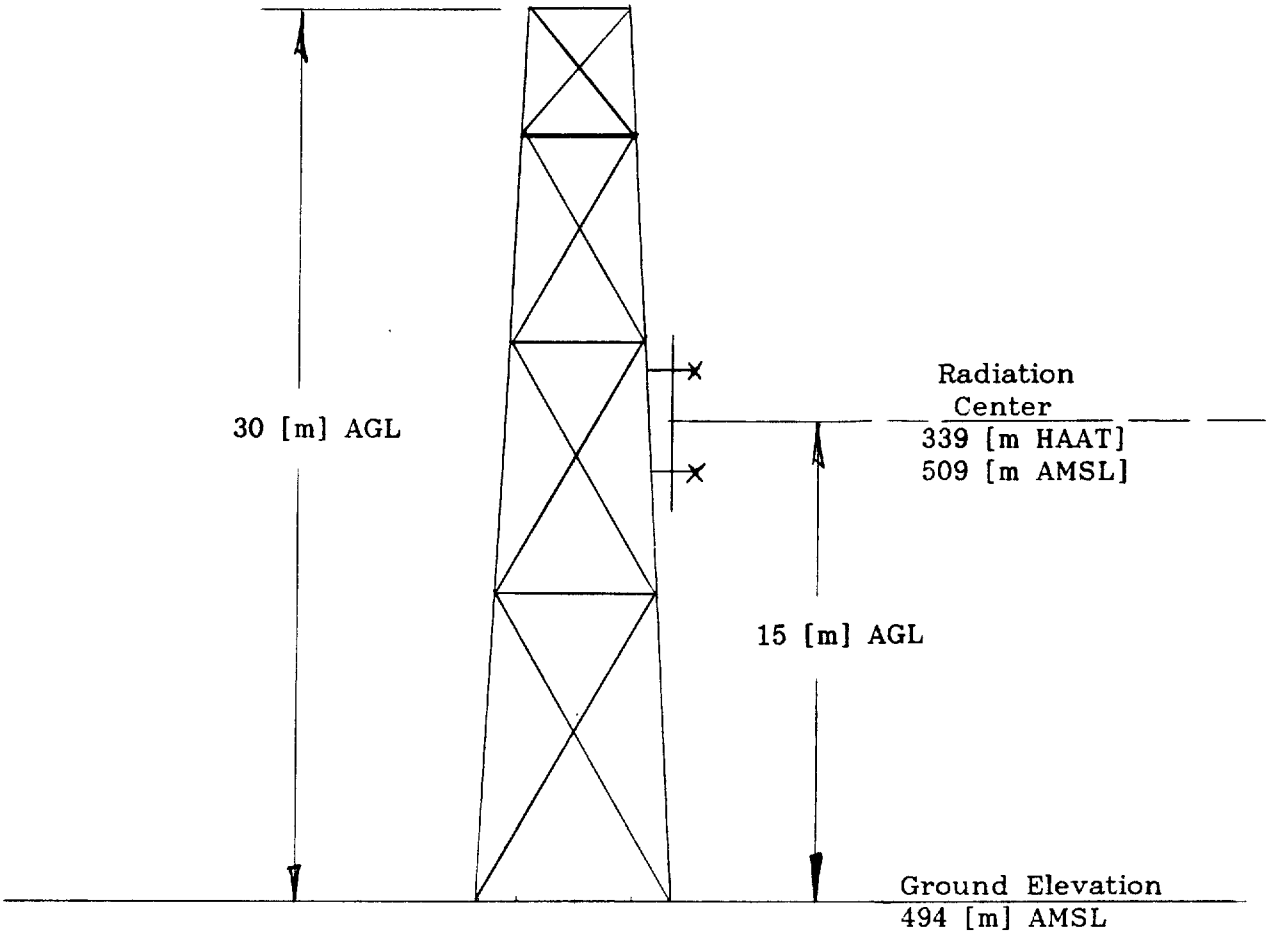
Healdsburg Broadcasting, Inc.
Proposed Channel 240A, Healdsburg, CA
FCC Form 301, Section V-B, question 8

Vertical Plan Sketch of Proposed Antenna

N 38-32-24 W 122-57-39

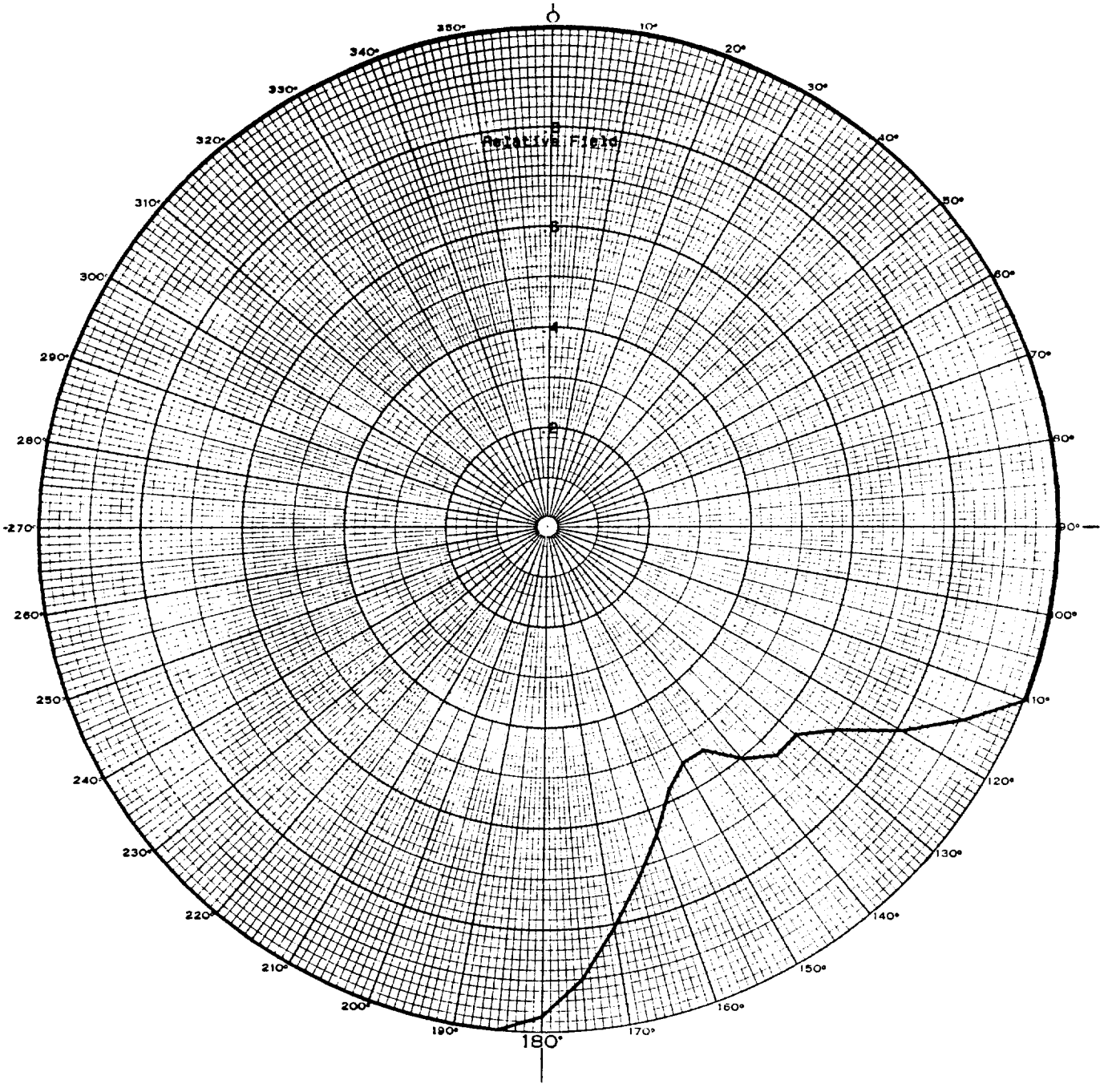


Healdsburg Broadcasting, Inc.
Proposed Channel 240A, Healdsburg, CA
FCC Form 301, Section V-B, question 10, Antenna Data

Proposed Directional Antenna
Horizontal Plane Relative Field Azimuth Pattern

TYPE: Jampro JMPC, 2 Bay DA

POLARIZATION: Circular



Healdsburg Broadcasting, Inc.
Proposed Channel 240A, Healdsburg, CA
FCC Form 340, Section V-B, question 10, Antenna Data

Horizontal Plane Relative Field Tabulation For Proposed Directional Antenna

Antenna Type: Jampro JMCP 2 Bay, DA
Beam Tilt = 0.0 degree
Polarization: Circular; maximum horizontal polarization tabulated

Azim	E-rel	dB-rel	Azim	E-rel	dB-rel	Azim	E-rel	dB-rel
0.0	1.000	0.000	5.0	1.000	0.000	10.0	1.000	0.000
15.0	1.000	0.000	20.0	1.000	0.000	25.0	1.000	0.000
30.0	1.000	0.000	35.0	1.000	0.000	40.0	1.000	0.000
45.0	1.000	0.000	50.0	1.000	0.000	55.0	1.000	0.000
60.0	1.000	0.000	65.0	1.000	0.000	70.0	1.000	0.000
75.0	1.000	0.000	80.0	1.000	0.000	85.0	1.000	0.000
90.0	1.000	0.000	95.0	1.000	0.000	100.0	1.000	0.000
105.0	1.000	0.000	110.0	1.000	0.000	115.0	0.890	-1.012
120.0	0.805	-1.884	125.0	0.700	-3.098	130.0	0.640	-3.876
135.0	0.640	-3.876	140.0	0.600	-4.437	145.0	0.540	-5.352
150.0	0.540	-5.352	155.0	0.575	-4.807	160.0	0.645	-3.809
165.0	0.720	-2.853	170.0	0.805	-1.884	175.0	0.900	-0.915
180.0	0.970	-0.265	185.0	1.000	0.000	190.0	1.000	0.000
195.0	1.000	0.000	200.0	1.000	0.000	205.0	1.000	0.000
210.0	1.000	0.000	215.0	1.000	0.000	220.0	1.000	0.000
225.0	1.000	0.000	230.0	1.000	0.000	235.0	1.000	0.000
240.0	1.000	0.000	245.0	1.000	0.000	250.0	1.000	0.000
255.0	1.000	0.000	260.0	1.000	0.000	265.0	1.000	0.000
270.0	1.000	0.000	275.0	1.000	0.000	280.0	1.000	0.000
285.0	1.000	0.000	290.0	1.000	0.000	295.0	1.000	0.000
300.0	1.000	0.000	305.0	1.000	0.000	310.0	1.000	0.000
315.0	1.000	0.000	320.0	1.000	0.000	325.0	1.000	0.000
330.0	1.000	0.000	335.0	1.000	0.000	340.0	1.000	0.000
345.0	1.000	0.000	350.0	1.000	0.000	355.0	1.000	0.000

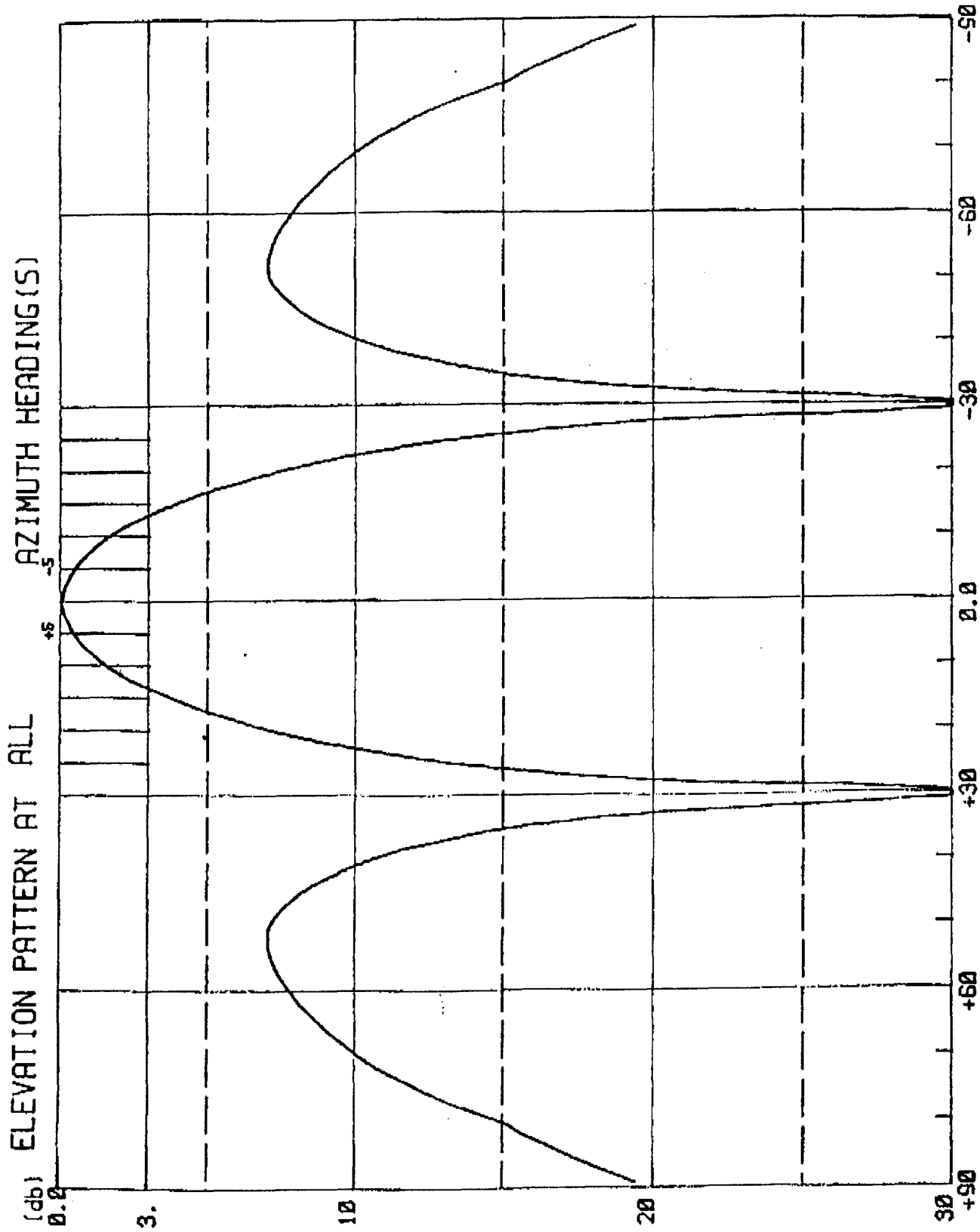
Notes:

1. Tabulation is based on Jampro Corp. supplied data with fields specified every 10.0 degrees, beginning with 0.0 degrees; 45, 135, 145, 155, 165, 175, 225, 315, also specified. Intermediate quantites are interpolated to produce a smooth curve.

2. Maximum horizontal polarization specified; V-pol less than or equal to H-pol. Final data to be supplied with 302 filing following antenna range measurements.

Healdsburg Broadcasting, Inc.
Proposed Channel 240A, Healdsburg, CA
FCC Form 301, Section V-B, question 10, Antenna Data

Manufacturer Supplied Vertical Radiation
Characteristic For Jampro JMPC 2 Bay



Healdsburg Broadcasting, Inc.
Proposed Channel 240A, Healdsburg, CA
FCC Form 301, Section V-B, question 10, Antenna Data

Manufacturer Supplied Vertical Radiation Characteristic For Jampro JMPC 2 bay

Elev. Angle	Field Strength	Elev. Angle	Field Strength	Elev. Angle	Field Strength	Elev. Angle	Field Strength	Elev. Angle	Field Strength
90.0	0.100	89.0	0.108	88.0	0.116	87.0	0.123	86.0	0.131
85.0	0.139	84.0	0.147	83.0	0.154	82.0	0.162	81.0	0.170
80.0	0.178	79.0	0.191	78.0	0.205	77.0	0.219	76.0	0.232
75.0	0.246	74.0	0.259	73.0	0.272	72.0	0.285	71.0	0.298
70.0	0.311	69.0	0.322	68.0	0.333	67.0	0.344	66.0	0.355
65.0	0.365	64.0	0.375	63.0	0.384	62.0	0.393	61.0	0.400
60.0	0.408	59.0	0.416	58.0	0.423	57.0	0.430	56.0	0.435
55.0	0.439	54.0	0.442	53.0	0.444	52.0	0.445	51.0	0.444
50.0	0.442	49.0	0.435	48.0	0.428	47.0	0.416	46.0	0.407
45.0	0.395	44.0	0.381	43.0	0.365	42.0	0.347	41.0	0.328
40.0	0.307	39.0	0.285	38.0	0.261	37.0	0.235	36.0	0.207
35.0	0.178	34.0	0.146	33.0	0.112	32.0	0.076	31.0	0.039
30.0	0.000	29.0	0.040	28.0	0.082	27.0	0.124	26.0	0.167
25.0	0.211	24.0	0.255	23.0	0.300	22.0	0.345	21.0	0.390
20.0	0.434	19.0	0.479	18.0	0.522	17.0	0.566	16.0	0.608
15.0	0.649	14.0	0.689	13.0	0.728	12.0	0.766	11.0	0.802
10.0	0.835	9.0	0.864	8.0	0.889	7.0	0.913	6.0	0.934
5.0	0.952	4.0	0.967	3.0	0.980	2.0	0.990	1.0	0.996
0.0	1.000								

Note: Characteristics are symmetrical about 0.0 degrees elev.

Healdsburg Broadcasting, Inc.
Proposed Channel 240A, Healdsburg, CA
Summary of Pertinent Allocations Requiring Study

Channel : 240A
Coordinates : N 38 32 24.0 W 122 57 39.0
Separations : FM Zone 1 - Commercial

FCC Form 301, Section V-B, question 13, Allocation Study

Call	City	State	Stat	File number		Chan	ERP	HAAT	Zn	Latitude	Longitude	Bear	Dist	Req'd	Clear
KOZT	FORT BRAGG	CA	LIC	BLH	811223AI	237A	1.23	464	1	39 24 24.0	123 44 4.0	325.5	117.27	31.0	86.27
KRTY	LOS GATOS	CA	LIC	BLH	7251	237A	0.37	860	1	37 12 17.0	121 56 56.0	148.8	172.89	31.0	141.89
KEDY	MOUNT SHASTA	CA	CP	BPH	860826IJ	237A	3.00	156	2	41 17 20.0	122 14 25.0	11.1	311.37	31.0	280.37
KUIC	VACAVILLE	CA	LIC	BLH	5935	237A	2.85	205	1	38 20 13.0	122 0 8.0	104.8	86.68	31.0	55.68
KUIC	VACAVILLE	CA	CP	BPH	870304IA	237A	0.65	688	1	38 17 56.0	121 59 54.0	107.4	88.21	31.0	57.21
KUIC	VACAVILLE	CA	ALC			237B1			1	38 27 30.0	121 58 22.0	95.7	86.67	48.0	38.67
	CARMEL	CA	ALC			238A			1	36 33 24.0	121 55 .0	157.0	238.68	31.0	207.68
KNEV	RENO	NV	LIC	BLH	820609AF	238C	60.0	2270	2	39 15 34.0	119 42 16.0	73.1	293.57	95.0	198.57
KJFX	FRESNO	CA	LIC	BLH	880616KB	239B	17.5	849	1	36 56 55.0	119 29 9.0	119.0	353.56	113.0	240.56
KALF	RED BLUFF	CA	LIC	BLH	851125KH	239B	7.00	1265	1	39 55 3.0	122 40 12.0	9.2	154.98	113.0	41.97
KKHIFM	SAN FRANCISCO	CA	LIC	BLH	850128LM	239B	6.90	1290	1	37 41 23.0	122 26 12.0	154.0	104.98	113.0	-8.02[1]
KNTO	LIVINGSTON	CA	LIC	BLH	841113KK	240A	3.00	300	1	37 18 57.0	120 43 20.0	124.0	239.16	115.0	124.16
KSQQ	MORGAN HILL	CA	CPM	BMPH	901009JG	241A	0.53	781	1	37 10 3.0	121 34 20.0	141.0	195.30	72.0	123.30
KYMX	SACRAMENTO	CA	LIC	BLH	850313KK	241B	50.0	476	1	38 38 9.0	121 33 11.0	84.6	123.12	113.0	10.12
KFMI	EUREKA	CA	LIC	BLH	5918	242C	30.0	1580	2	40 43 36.0	123 58 18.0	340.7	257.82	95.0	162.82
KFMI	EUREKA	CA	CP	BPH	870302NJ	242C	100	1582	2	40 43 36.0	123 58 18.0	340.7	257.82	95.0	162.82
KUBB	MARIPOSA	CA	LIC	BLH	870202KH	242B	1.90	2114	1	37 32 .0	120 1 29.0	112.6	280.94	69.0	211.94
	SUSANVILLE	CA	ALC			242C2			2	40 26 55.0	120 44 20.0	41.2	285.37	55.0	230.37
KOITFM	SAN FRANCISCO	CA	LIC	BLH	6256	243B	33.0	1410	1	37 45 20.0	122 27 5.0	152.8	97.85	69.0	28.85
KRZQFM	TAHOE CITY	CA	LIC	BLH	880331KA	243C2	0.85	2965	2	39 18 47.0	119 52 59.0	71.1	280.36	55.0	225.36
KRZQFM	TAHOE CITY	CA	APP	BPH	901224ID	243C1	12.0	2182	2	39 15 32.0	119 42 6.0	73.2	293.78	75.0	218.78
KRZQFM	TAHOE CITY	CA	ALC			243C1			2	39 16 22.0	119 42 13.0	72.9	294.02	75.0	219.02
KXHM	ORLAND	CA	CP	BPH	880714ND	293A	3.00	328	1	39 50 6.0	122 11 44.0	24.4	158.24	10.0	148.24
KWOD	SACRAMENTO	CA	LIC	BLH	7237	293B	50.0	310	1	38 38 30.0	121 5 25.0	85.4	163.36	15.0	148.36
KWOD	SACRAMENTO	CA	CPM	BMPH	830616AA	293B	50.0	410	1	38 38 30.0	121 5 25.0	85.4	163.36	15.0	148.36
NEW	SACRAMENTO	CA	APPD	BPH	831031AY	293B	50.0	456	1	38 38 35.0	121 5 51.0	85.4	162.74	15.0	147.74
KEZR	SAN JOSE	CA	LIC	BLH	7246	293B	50.0	430	1	37 21 43.0	121 45 23.0	140.8	168.24	15.0	153.24

Notes:
1. This distance under 47 C.F.R 73.208(c) rounds to 8 Km.

Healdsburg Broadcasting, Inc.
Proposed Channel 240A, Healdsburg, CA
FCC Form 301, Section V-B, question 13, Allocation Study

Calculated Distances to Proposed Service and Interference Contours
N 38-32-24, W 122-57-39

Azim (deg)	E-rel (V/V)	Radial ERP (W)	Radial ERP (dBk)	Radial AE(m)	Radial Haat(m)	CONTOUR DISTANCES (Km) F[5050] 60dBu	F[5050] 70dBu	F[5010] 48dBu
0.0	1.000	480.0	-3.188	238	101	15.3	8.6	32.6
15.0	1.000	480.0	-3.188	162	177	20.6	11.5	42.5
30.0	1.000	480.0	-3.188	135	204	21.9	12.3	45.4
45.0	1.000	480.0	-3.188	112	227	23.1	12.9	47.9
60.0	1.000	480.0	-3.188	123	216	22.5	12.6	46.7
75.0	1.000	480.0	-3.188	91	248	24.0	13.5	49.9
90.0	1.000	480.0	-3.188	71	268	24.9	14.0	51.6
105.0	1.000	480.0	-3.188	67	272	25.1	14.1	52.0
120.0	0.805	311.0	-5.072	82	257	22.1	12.4	46.1
125.0	0.700	235.2	-6.286	74	265	20.9	11.8	43.9
130.0	0.640	196.7	-7.064	71	268	20.2	11.3	42.3
135.0	0.640	196.7	-7.064	65	274	20.4	11.5	42.8
140.0	0.540	140.0	-8.539	70	269	18.5	10.4	39.2
145.0	0.540	140.0	-8.539	76	263	18.3	10.3	38.7
150.0	0.540	140.0	-8.539	78	261	18.3	10.3	38.6
155.0	0.575	158.7	-7.994	95	244	18.2	10.3	38.5
160.0	0.645	199.7	-6.996	111	228	18.7	10.5	39.4
165.0	0.720	248.8	-6.042	143	196	18.3	10.3	38.4
170.0	0.805	311.0	-5.072	157	182	18.7	10.5	39.0
175.0	0.900	388.8	-4.103	160	179	19.7	11.0	40.8
180.0	0.970	451.6	-3.452	166	173	20.1	11.2	41.5
185.0	1.000	480.0	-3.188	177	162	19.7	11.0	40.9
190.0	1.000	480.0	-3.188	188	151	19.0	10.6	39.7
195.0	1.000	480.0	-3.188	164	175	20.5	11.4	42.3
200.0	1.000	480.0	-3.188	161	178	20.6	11.5	42.6
210.0	1.000	480.0	-3.188	137	202	21.8	12.2	45.2
225.0	1.000	480.0	-3.188	121	218	22.6	12.7	46.9
240.0	1.000	480.0	-3.188	201	138	18.1	10.1	38.2
255.0	1.000	480.0	-3.188	243	96	14.8	8.4	31.6
270.0	1.000	480.0	-3.188	164	175	20.5	11.4	42.3
285.0	1.000	480.0	-3.188	233	106	15.7	8.9	33.6
300.0	1.000	480.0	-3.188	287	52	11.1	6.2	23.0
315.0	1.000	480.0	-3.188	426	-87	8.5	4.7	17.2
330.0	1.000	480.0	-3.188	324	15	8.5	4.7	17.2
345.0	1.000	480.0	-3.188	258	81	13.6	7.7	28.6

Healdsburg Broadcasting, Inc.
Proposed Channel 240A, Healdsburg, CA
FCC Form 301, Section V-B, question 13, Allocation Study

Calculated Distances to Proposed First Adjacent Channel Station KKHI Contours
N 37-41-23, W 122-26-12

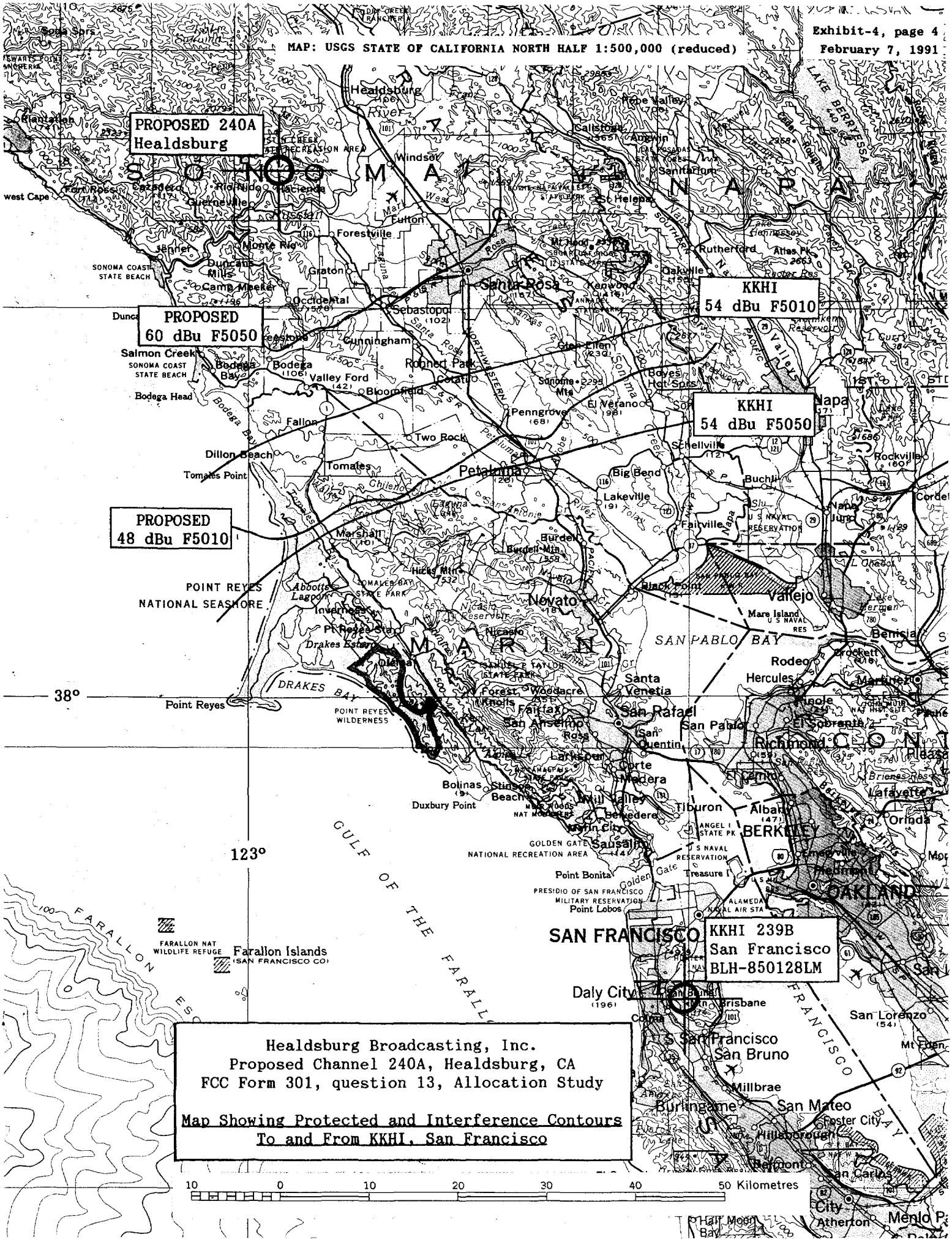
Azim (deg)	E-rel (V/V)	Radial ERP (KW)	Radial ERP (dBk)	Radial AE(m)	Radial Haat(m)	CONTOUR DISTANCES (Km) F[5050] 60dBu	CONTOUR DISTANCES (Km) F[5010] 54dBu
300.0	1.000	6.30	7.993	14	436	53.9	80.7
305.0	1.000	6.30	7.993	15	435	53.8	80.7
310.0	1.000	6.30	7.993	18	432	53.6	80.4
315.0	1.000	6.30	7.993	23	427	53.4	79.9
320.0	1.000	6.30	7.993	31	419	52.9	79.2
325.0	1.000	6.30	7.993	45	405	52.2	78.0
330.0	1.000	6.30	7.993	65	385	51.1	76.1
335.0	1.000	6.30	7.993	71	379	50.7	75.6
340.0	1.000	6.30	7.993	81	369	50.2	74.7
345.0	1.000	6.30	7.993	87	363	49.8	74.1
350.0	1.000	6.30	7.993	85	365	49.9	74.3
355.0	1.000	6.30	7.993	72	378	50.7	75.5
0.0	1.000	6.30	7.993	55	395	51.6	77.0
5.0	1.000	6.30	7.993	48	402	52.0	77.7
10.0	1.000	6.30	7.993	45	405	52.2	78.0
15.0	1.000	6.30	7.993	40	410	52.4	78.4

Notes:

1. Center of radiation elevation and HAAT were taken or deduced from KKHI's most recent Form 301. NGDC 30-second topographic database used for 3 to 16 Km. radial average terrain elevations.

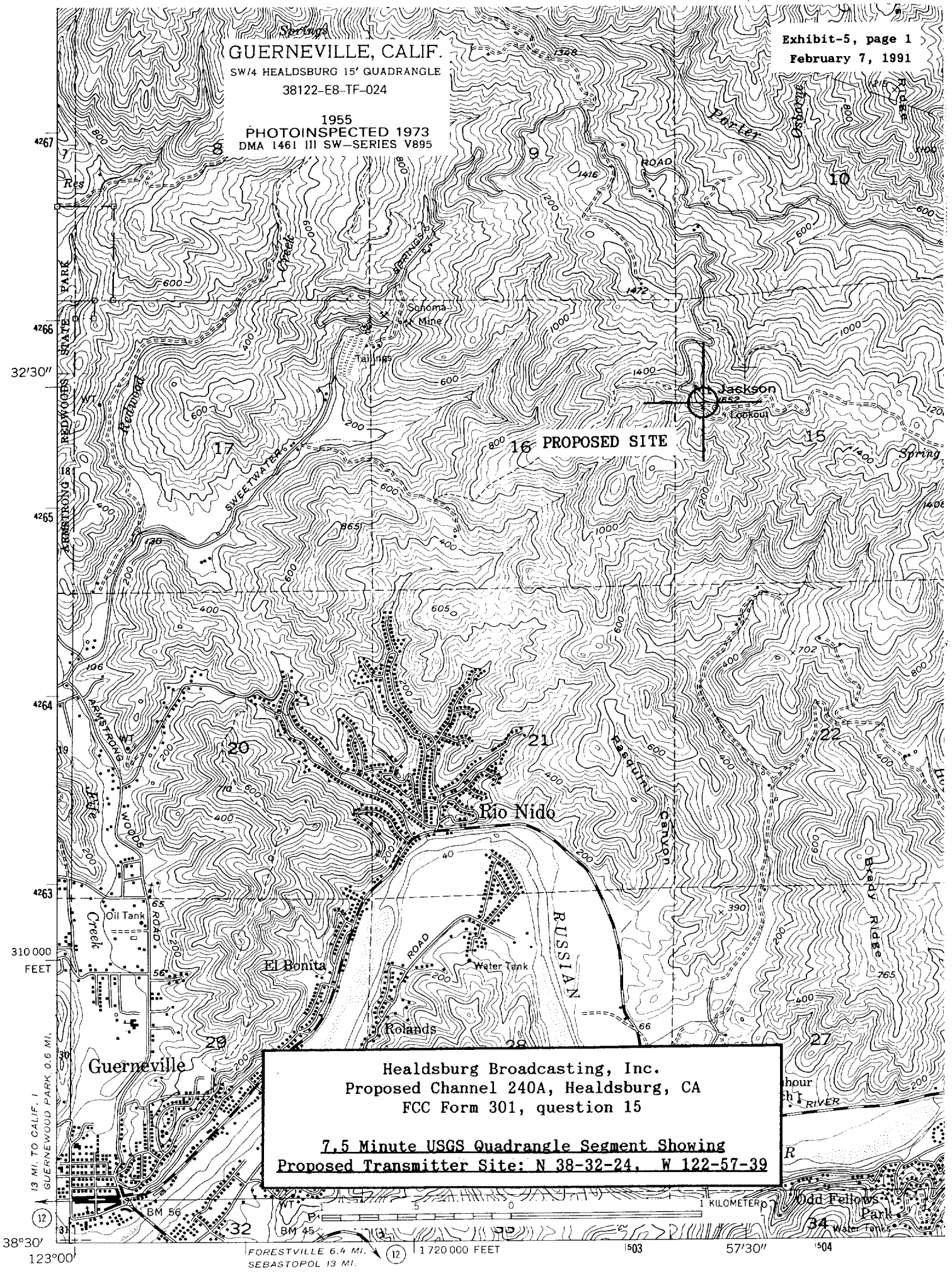
   Antenna Radiation Center = 450 [m AMSL] , 393 [m HAAT]

MAP: USGS STATE OF CALIFORNIA NORTH HALF 1:500,000 (reduced)



Healdsburg Broadcasting, Inc.
Proposed Channel 240A, Healdsburg, CA
FCC Form 301, question 13, Allocation Study

Map Showing Protected and Interference Contours
To and From KKHI, San Francisco



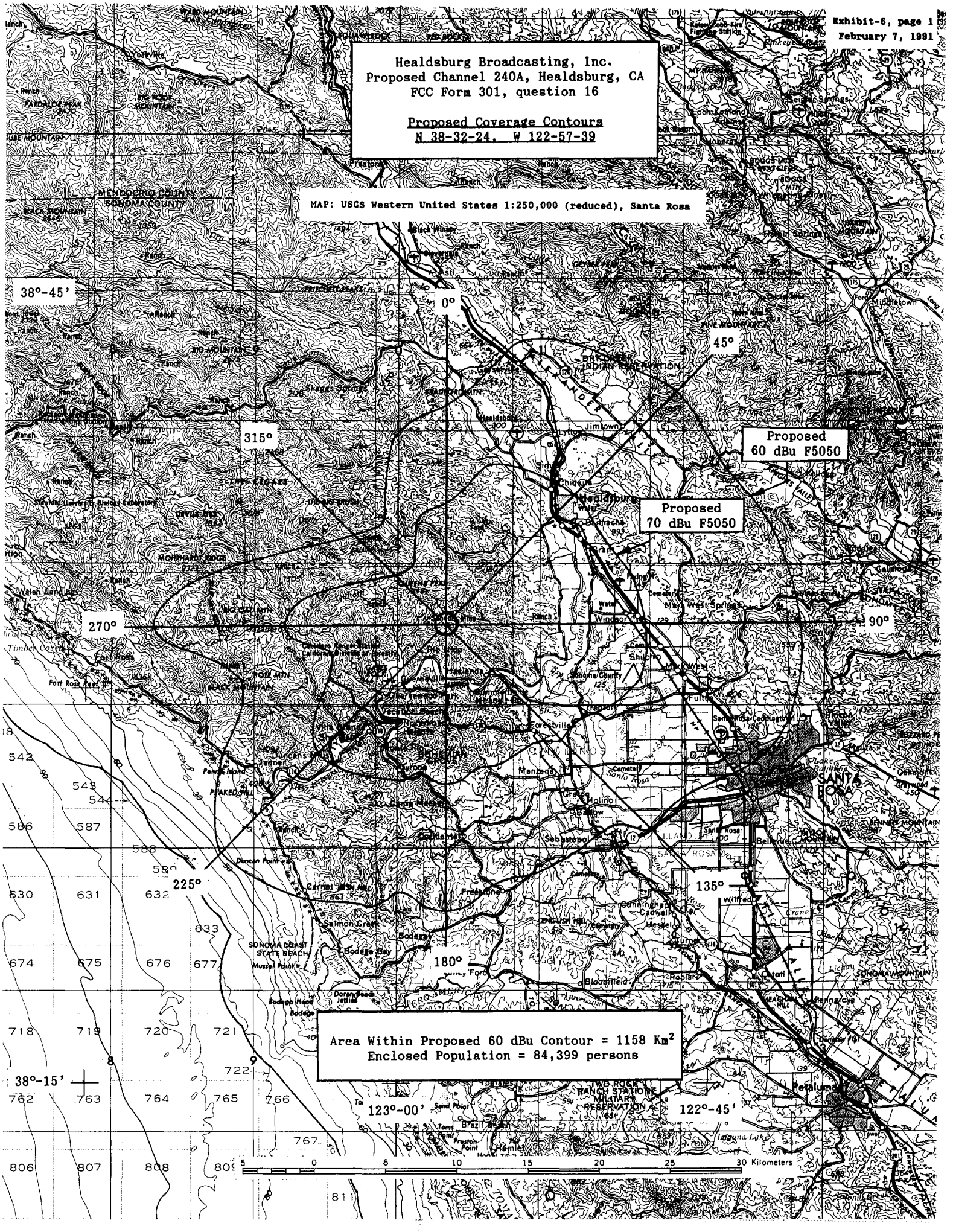
Healdsburg Broadcasting, Inc.
Proposed Channel 240A, Healdsburg, CA
FCC Form 301, question 15

7.5 Minute USGS Quadrangle Segment Showing
Proposed Transmitter Site: N 38-32-24, W 122-57-39

Healdsburg Broadcasting, Inc.
Proposed Channel 240A, Healdsburg, CA
FCC Form 301, question 16

Proposed Coverage Contours
N 38-32-24, W 122-57-39

MAP: USGS Western United States 1:250,000 (reduced), Santa Rosa



WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND IMPRISONMENT. U.S. CODE, TITLE 18, SECTION 1001.

I certify that the statements in this application are true and correct to the best of my knowledge and belief, and are made in good faith.

Name of Applicant	Signature
Healdsburg Broadcasting, Inc.	
Date	**Title**
February 8, 1991	Michael Akana, President

FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT AND THE PAPERWORK REDUCTION ACT

The solicitation of personal information requested in this application is authorized by the Communications Act of 1934, as amended. The principal purpose for which the information will be used is to determine if the benefit requested is consistent with the public interest. The staff, consisting variously of attorneys, analysts, engineers and applications examiners, will use the information to determine whether the application should be granted, denied, dismissed, or designated for hearing. If all the information is not provided, the application may be returned without action having been taken upon it or its processing may be delayed while a request is made to provide the missing information. Accordingly, every effort should be made to provide all necessary information. Your response is required to obtain the requested authority.

Public reporting burden for this collection of information is estimated to vary from 71 hours 45 minutes to 301 hours 30 minutes with an average of 118 hours 28 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, can be sent to the Federal Communications Commission, Office of Managing Director, Washington, D.C. 20554, and to the Office of Management and Budget, Paperwork Reduction Project (3060-0027), Washington, D.C. 20503.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3), AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.