

EXHIBIT 47
(Page 1 of 6)

PROPOSED ANTENNA SYSTEM
Journal Broadcast Corporation
Las Vegas, NV

The proposed KTNV-TV auxiliary facilities will utilize a Jampro JHD-HV2-2/2(4) horizontally polarized directional antenna side mounted at the 29.9 meter level on the existing 77.4 meter tower that supports the main antenna for KTNV-TV.

A tabulation of the horizontal radiation pattern for this antenna is presented in Table 47.0. Figure 47.0 shows this horizontal radiation pattern in polar form. Finally, Table 47.1 and Figure 47.1 present the vertical radiation pattern for this proposed antenna.

TABLE 47.0
**KTNV-TV AUXILIARY
DIRECTIONAL PATTERN**
 Journal Broadcast Corporation
 Las Vegas, NV

Azimuth <u>(Degrees)</u>	Relative Field	<u>ERP</u> (dBk)	<u>ERP</u> (kW)
0	0.936	12.05	16.03
10	0.744	10.06	10.13
20	0.523	6.99	5.01
30	0.511	6.79	4.78
40	0.669	9.13	8.19
50	0.760	10.24	10.57
60	0.722	9.80	9.54
70	0.595	8.11	6.48
80	0.449	5.67	3.69
90	0.330	2.99	1.99
100	0.246	0.44	1.11
110	0.182	-2.17	0.61
120	0.121	-5.72	0.27
130	0.069	-10.60	0.09
140	0.089	-8.39	0.15
150	0.142	-4.33	0.37
160	0.154	-3.63	0.43
170	0.121	-5.72	0.27
180	0.137	-4.64	0.34
190	0.198	-1.44	0.72
200	0.196	-1.53	0.70
210	0.116	-6.09	0.25
220	0.090	-8.29	0.15
230	0.169	-2.82	0.52

TABLE 47.0 (cont'd)

<u>Azimuth (Degrees)</u>	<u>Relative Field</u>	<u>ERP (dBk)</u>	<u>ERP (kW)</u>
240	0.217	-0.65	0.86
250	0.279	1.54	1.42
260	0.415	4.99	3.15
270	0.591	8.06	6.39
280	0.758	10.22	10.51
290	0.885	11.56	14.33
300	0.955	12.22	16.69
310	0.969	12.35	17.18
320	0.947	12.15	16.41
330	0.938	12.07	16.10
340	0.971	12.37	17.25
350	1.000	12.62	18.30

Maximum ERP = 18.30 kilowatts = 12.62 dBk

APR-29-02 17:32

FROM-JAMPRO

+9163831182

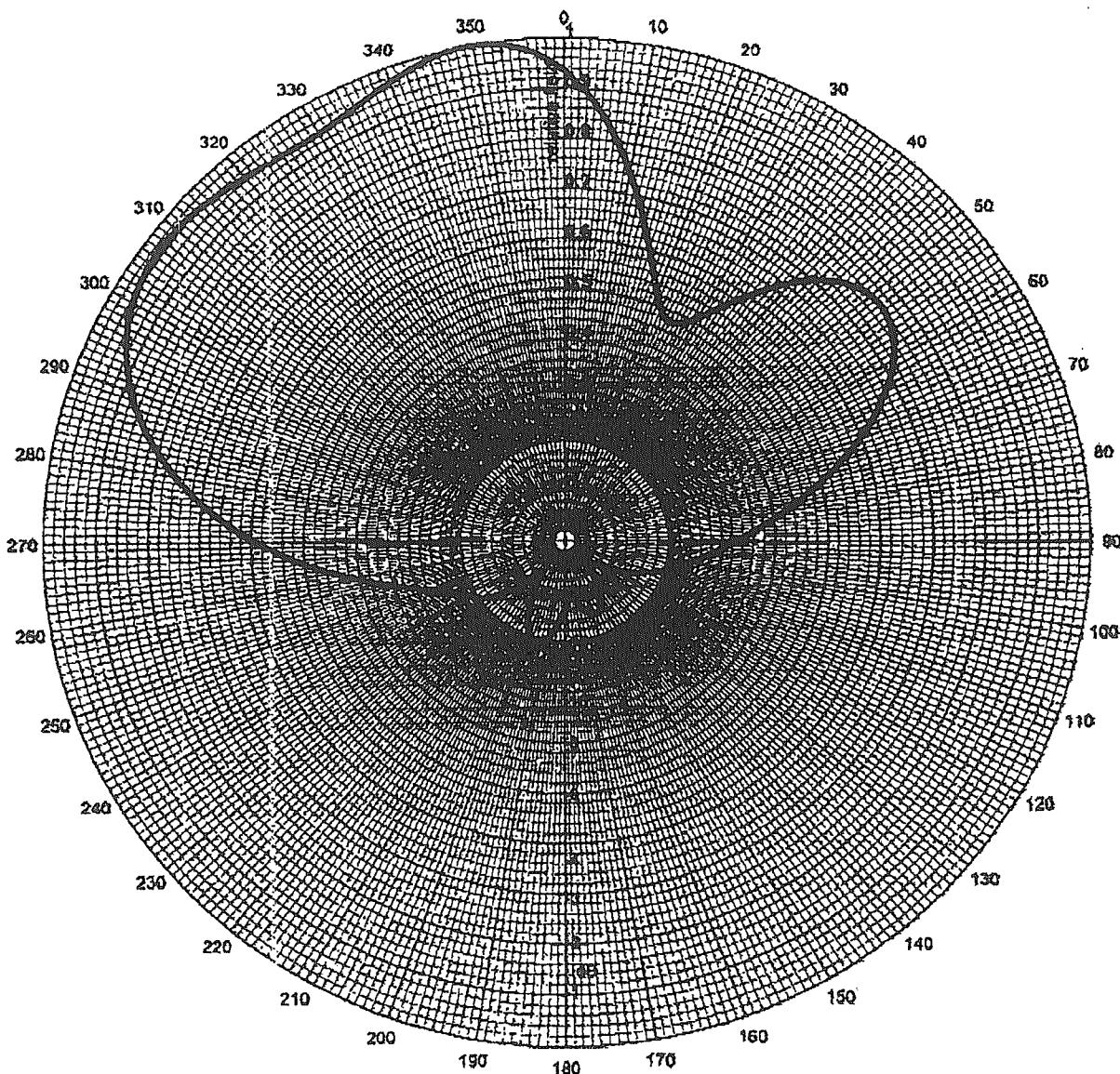
F-811 F-837/83 F-503



6340 Sky Creek Drive, Sacramento, California 95828
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True North



Azimuth Plane Pattern

Customer: KTNV

Date: April 29, 2002

Frequency 204-216 MHz

Model: JHD-HV2-2/2(4)

Peak Gain 7.5 (x) / 8.75 dBd

FIG. 47.0

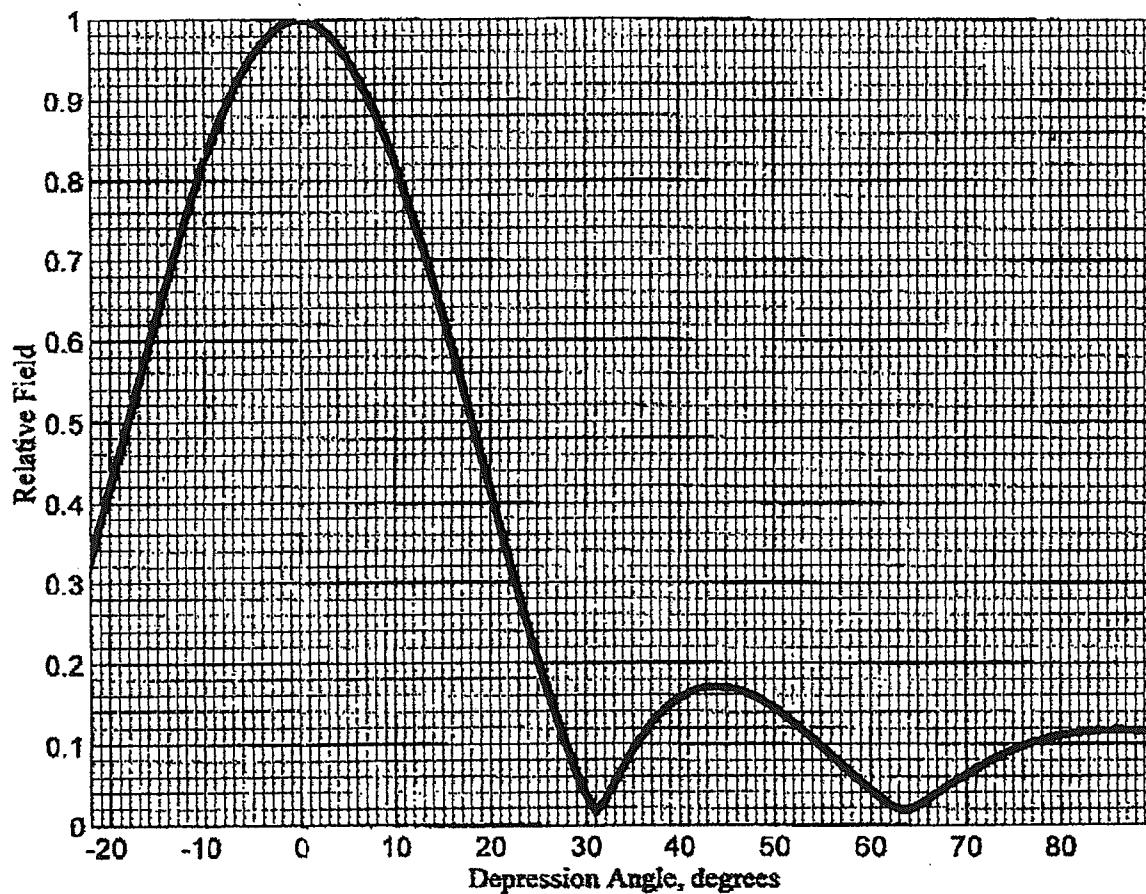
KTNV-TV AUXILIARY DIRECTIONAL PATTERN

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Las Vegas, NV



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Elevation Plane Pattern

Customer: KTNV

Date: April 29, 2002

Frequency 204-216 MHz

Model: JHD-HV2-2/2(4)

Peak Gain 7.5 (x) / 8.75 dBd

FIG. 47.1

KTNV-TV AUXILIARY VERTICAL RADIATION PATTERN

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Las Vegas, NV



6340 Sky Creek Drive, Sacramento, California 95828
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Elevation Pattern Tabulation

Customer: KTNV

Date: April 29, 2002

Frequency: 204.216 MHz

Model: JHD-HV2-2/2(4)

Depression angle	Relative field	Depression angle	Relative field	Depression angle	Relative field
0	1.000	31	0.017	62	0.025
1	0.998	32	0.029	63	0.020
2	0.993	33	0.051	64	0.020
3	0.983	34	0.072	65	0.024
4	0.970	35	0.092	66	0.032
5	0.954	36	0.109	67	0.039
6	0.934	37	0.124	68	0.047
7	0.911	38	0.137	69	0.055
8	0.885	39	0.148	70	0.063
9	0.856	40	0.157	71	0.070
10	0.824	41	0.163	72	0.076
11	0.790	42	0.168	73	0.082
12	0.754	43	0.170	74	0.088
13	0.716	44	0.171	75	0.093
14	0.676	45	0.170	76	0.097
15	0.635	46	0.168	77	0.102
16	0.592	47	0.164	78	0.105
17	0.549	48	0.159	79	0.108
18	0.506	49	0.152	80	0.111
19	0.462	50	0.145	81	0.113
20	0.418	51	0.137	82	0.115
21	0.374	52	0.128	83	0.116
22	0.331	53	0.118	84	0.117
23	0.289	54	0.108	85	0.117
24	0.248	55	0.098	86	0.118
25	0.208	56	0.087	87	0.117
26	0.170	57	0.076	88	0.117
27	0.133	58	0.065	89	0.116
28	0.098	59	0.054	90	0.115
29	0.066	60	0.043		
30	0.036	61	0.034		

TABLE 47.1

KTNV-TV AUXILIARY VERTICAL RADIATION PATTERN

Journal Broadcast Corporation
Las Vegas, NV