

FIGURE # 7 DECEMBER 18 1990
HORIZONTAL PLANE RELATIVE FIELD & DBK LIST
FOR RADIO STATION KZLA 93.9MHz

AZIMUTH	H POL RELATIVE FIELD	H POL DBK	H POL POWER KW	V POL RELATIVE FIELD	V POL DBK	V POL POWER KW	AZIMUTH	H POL RELATIVE FIELD	H POL DBK	H POL POWER KW	V POL RELATIVE FIELD	V POL DBK	V POL POWER KW
0.0	.236	.18	1.04	.227	-.17	.96	180.0	.380	4.31	2.70	.483	6.40	4.36
5.0	.242	.40	1.10	.222	-.34	.92	185.0	.417	5.11	3.24	.521	7.06	5.08
10.0	.246	.55	1.13	.212	-.75	.84	190.0	.466	6.09	4.07	.566	7.77	5.99
15.0	.248	.61	1.15	.196	-1.45	.72	195.0	.536	7.30	5.37	.622	8.59	7.23
20.0	.241	.37	1.09	.179	-2.21	.60	200.0	.613	8.47	7.03	.683	9.40	8.72
25.0	.226	-.20	.96	.169	-2.72	.53	205.0	.696	9.57	9.06	.743	10.14	10.33
30.0	.211	-.81	.83	.165	-2.96	.51	210.0	.779	10.55	11.34	.801	10.79	11.99
35.0	.204	-1.09	.78	.173	-2.50	.56	215.0	.852	11.33	13.58	.848	11.29	13.44
40.0	.209	-.89	.82	.194	-1.53	.70	220.0	.903	11.83	15.26	.891	11.72	14.84
45.0	.220	-.43	.90	.231	-.01	1.00	225.0	.944	12.21	16.65	.918	11.98	15.77
50.0	.238	.23	1.06	.259	.98	1.25	230.0	.973	12.48	17.71	.930	12.09	16.18
55.0	.262	1.07	1.28	.279	1.64	1.46	235.0	.992	12.65	18.40	.905	11.85	15.30
60.0	.288	1.91	1.55	.288	1.91	1.55	240.0	1.000	12.72	18.70	.845	11.26	13.36
65.0	.309	2.52	1.79	.285	1.81	1.52	245.0	.940	12.18	16.51	.771	10.46	11.12
70.0	.323	2.91	1.96	.277	1.57	1.44	250.0	.838	11.18	13.13	.729	9.97	9.94
75.0	.331	3.13	2.05	.271	1.39	1.38	255.0	.759	10.32	10.76	.733	10.02	10.04
80.0	.332	3.13	2.06	.272	1.42	1.39	260.0	.736	10.06	10.13	.793	10.71	11.77
85.0	.326	2.97	1.98	.282	1.73	1.49	265.0	.771	10.46	11.12	.863	11.44	13.93
90.0	.314	2.67	1.85	.300	2.26	1.68	270.0	.827	11.06	12.78	.898	11.78	15.08
95.0	.301	2.29	1.69	.322	2.87	1.94	275.0	.828	11.08	12.82	.865	11.46	13.99
100.0	.292	2.03	1.60	.352	3.65	2.32	280.0	.776	10.52	11.26	.788	10.65	11.60
105.0	.289	1.92	1.56	.367	4.01	2.52	285.0	.700	9.63	9.17	.703	9.65	9.23
110.0	.292	2.01	1.59	.366	3.99	2.51	290.0	.627	8.66	7.35	.627	8.66	7.35
115.0	.298	2.22	1.67	.365	3.96	2.49	295.0	.559	7.67	5.85	.550	7.52	5.65
120.0	.309	2.53	1.79	.363	3.91	2.46	300.0	.499	6.68	4.65	.481	6.35	4.32
125.0	.324	2.94	1.97	.362	3.88	2.44	305.0	.445	5.68	3.70	.419	5.17	3.29
130.0	.343	3.42	2.20	.361	3.87	2.44	310.0	.397	4.69	2.94	.366	3.99	2.51
135.0	.360	3.84	2.42	.362	3.90	2.46	315.0	.354	3.70	2.34	.321	2.84	1.92
140.0	.373	4.14	2.60	.366	3.98	2.50	320.0	.316	2.70	1.86	.283	1.76	1.50
145.0	.381	4.35	2.72	.371	4.10	2.57	325.0	.282	1.71	1.48	.253	.80	1.20
150.0	.386	4.46	2.79	.378	4.26	2.67	330.0	.258	.94	1.24	.232	.02	1.00
155.0	.385	4.42	2.77	.386	4.46	2.79	335.0	.240	.32	1.08	.218	-.52	.89
160.0	.372	4.13	2.59	.398	4.72	2.96	340.0	.229	-.09	.98	.212	-.76	.84
165.0	.355	3.71	2.35	.413	5.03	3.18	345.0	.224	-.28	.94	.214	-.66	.86
170.0	.347	3.52	2.25	.431	5.40	3.47	350.0	.226	-.21	.95	.219	-.46	.90
175.0	.357	3.77	2.38	.454	5.85	3.85	355.0	.230	-.06	.99	.225	-.25	.94

CITY OF LICENSE: Los Angeles, Ca

MOUNTING STRUCTURE: 10' FACE TOWER

ANTENNA TYPE: 1082-CP-DA NUMBER OF BAYS: 1

HORIZONTAL MAXIMUM RELATIVE FIELD= 1 AZIMUTH 240

HORIZONTAL MINIMUM RELATIVE FIELD= .204 AZIMUTH 35

VERTICAL MAXIMUM RELATIVE FIELD= .930044826176 AZIMUTH 230

VERTICAL MINIMUM RELATIVE FIELD= .164556162664 AZIMUTH 30

HORIZONTAL R.M.S.=.50959 VERTICAL R.M.S.=.50864

MAXIMUM HORIZONTAL E.R.P.= 18.7000KW MAXIMUM VERTICAL E.R.P.= 16.1752KW

HORIZONTAL POWER INPUT= 5.5914KW VERTICAL POWER INPUT= 5.5704KW

TOTAL POWER INPUT=11.1618KW

MAXIMUM HORIZONTAL POWER GAIN OF COMPLETE ARRAY= 1.68 (2.24 db)

MAXIMUM VERTICAL POWER GAIN OF COMPLETE ARRAY= 1.45 (1.61 db)

ANTENNA ORIENTATION: NORTH 179 DEGREES EAST