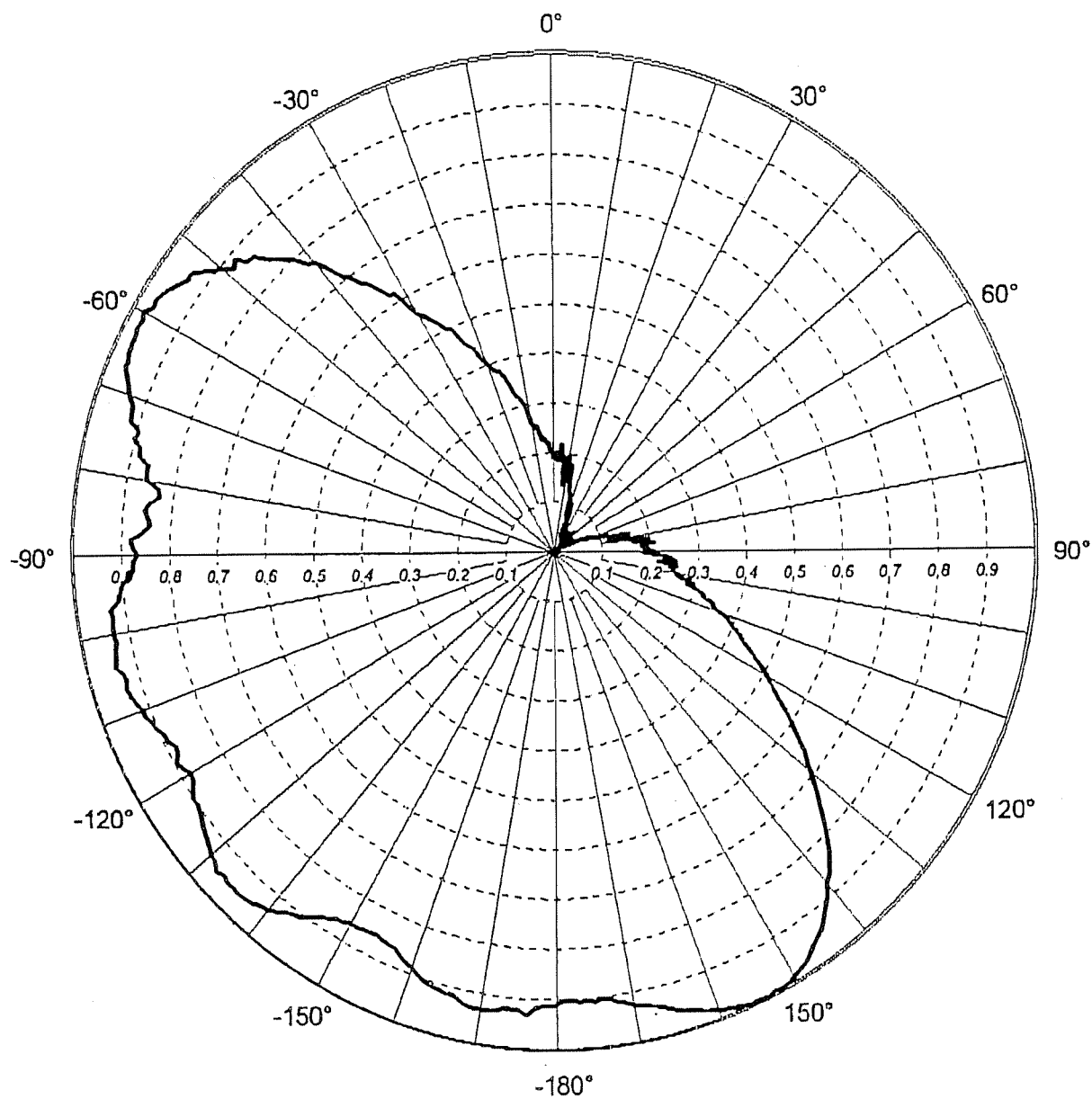


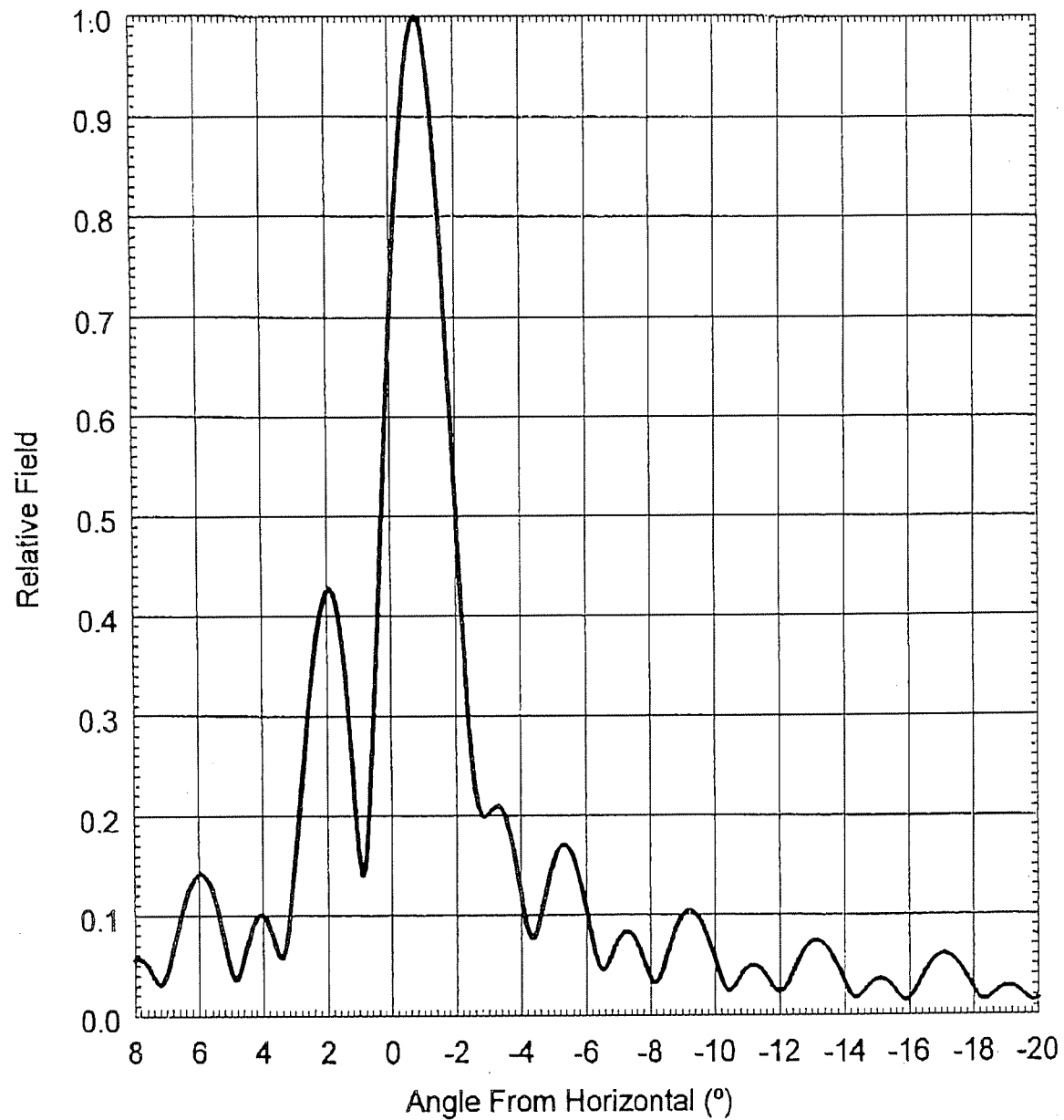
Calculated Azimuthal Pattern, Relative Field



Harris Pattern No.: TAD-UDC-3-28

Azimuth Gain Value: 2.07

Calculated Elevation Pattern



Harris Pattern No.: C-14-28-2

Elevation Gain Value: 28.41

DATE: 10/8/1999

TIME: 11:37 AM

Pattern No.: TAD-UDC-3-28

PLOT FILENAME = C:\ANTENNA\DATA\KIVI (TAD-28UDA-5-70-MRST, TAC-6[8]FMB-18[24])\UHF-3-AROUND\TAD-UDC-3-28.PLT

Azimuth in Degr -----	REL. FIELD -----	Rel. dB -----	Azimuth in Degr -----	REL. FIELD -----	Rel. dB -----
0	0.188	-14.494	153	0.997	-0.024
1	0.188	-14.524	154	1.000	0.000
2	0.200	-13.982	155	0.998	-0.019
3	0.182	-14.786	156	0.998	-0.014
5	0.216	-13.223	160	0.983	-0.153
6	0.183	-14.761	170	0.928	-0.647
7	0.192	-14.317	174	0.905	-0.869
8	0.135	-17.390	175	0.909	-0.825
10	0.196	-14.174	176	0.904	-0.878
12	0.145	-16.801	177	0.908	-0.839
13	0.177	-15.048	179	0.904	-0.881
19	0.078	-22.181	180	0.912	-0.804
20	0.085	-21.430	184	0.935	-0.582
21	0.104	-19.693	187	0.924	-0.685
24	0.038	-26.327	190	0.933	-0.599
25	0.059	-24.582	194	0.915	-0.769
28	0.034	-29.484	195	0.918	-0.745
29	0.043	-27.261	200	0.889	-1.022
30	0.043	-27.275	206	0.857	-1.340
31	0.031	-30.173	209	0.862	-1.286
32	0.049	-26.156	210	0.861	-1.297
34	0.033	-29.653	220	0.938	-0.553
35	0.045	-26.847	224	0.955	-0.399
36	0.027	-31.324	225	0.953	-0.417
38	0.043	-27.422	226	0.955	-0.397
39	0.026	-31.674	227	0.949	-0.452
40	0.050	-26.086	228	0.956	-0.393
42	0.006	-44.573	230	0.941	-0.524
44	0.043	-27.327	236	0.903	-0.890
45	0.025	-32.080	237	0.903	-0.883
47	0.058	-24.805	240	0.881	-1.104
48	0.021	-33.571	242	0.896	-0.953
50	0.040	-28.058	244	0.882	-1.094
52	0.012	-38.212	250	0.916	-0.767
53	0.015	-36.297	253	0.932	-0.612
54	0.005	-46.423	254	0.928	-0.649
56	0.045	-26.984	256	0.944	-0.502
58	0.012	-38.067	259	0.929	-0.637
60	0.041	-27.677	260	0.933	-0.603
62	0.019	-34.208	262	0.928	-0.652
65	0.047	-26.490	263	0.932	-0.616
66	0.045	-26.948	270	0.870	-1.206
69	0.082	-21.683	272	0.882	-1.087
70	0.073	-22.743	274	0.842	-1.489
71	0.092	-20.711	276	0.855	-1.360
72	0.088	-21.133	278	0.828	-1.638
74	0.117	-18.672	280	0.858	-1.333

PATTERN LISTING

DATE: 06/22/1999
TIME: 8:45 AM

Pattern No.:

PLOT FILENAME = C:\ANTENNA\DATA\ELEVATION\C-14-28-2.PLT

ELEVATION	REL. FIELD	ELEVATION	REL. FIELD
-----	-----	-----	-----
-90.0	0.005	1.9	0.428
-80.0	0.016	3.4	0.057
-70.3	0.134	4.0	0.100
-70.0	0.134	4.8	0.035
-66.1	0.023	5.9	0.142
-63.5	0.081	7.2	0.030
-60.4	0.012	7.9	0.056
-60.0	0.016	8.6	0.026
-59.1	0.023	9.8	0.093
-57.7	0.008	10.0	0.089
-55.6	0.038	11.0	0.019
-53.5	0.009	11.7	0.043
-52.4	0.017	12.5	0.019
-51.2	0.008	13.7	0.072
-50.0	0.027	14.9	0.019
-49.4	0.031	15.7	0.038
-47.6	0.007	16.5	0.017
-46.5	0.016	17.6	0.063
-45.4	0.007	18.8	0.017
-43.8	0.028	19.7	0.039
-42.3	0.008	20.0	0.035
-41.3	0.016	20.6	0.019
-40.2	0.007	21.7	0.062
-40.0	0.009	22.9	0.023
-38.8	0.027	23.9	0.052
-37.3	0.007	24.6	0.044
-36.3	0.016	26.5	0.151
-35.3	0.008	28.7	0.014
-34.0	0.024	29.8	0.039
-32.7	0.009	30.0	0.038
-31.5	0.021	31.6	0.006
-31.0	0.019	32.4	0.011
-30.0	0.045	33.3	0.004
-28.4	0.105	34.7	0.022
-26.7	0.021	36.1	0.006
-25.4	0.080	37.0	0.012
-23.9	0.014	37.9	0.006
-23.2	0.029	39.4	0.025
-22.4	0.012	40.0	0.021
-21.1	0.056	40.9	0.006

-20.0	0.017	42.0	0.014
-19.9	0.014	43.0	0.007
-19.1	0.029	44.6	0.028
-18.3	0.015	46.2	0.008
-17.1	0.060	47.3	0.017
-15.9	0.014	48.4	0.008
-15.1	0.036	50.0	0.033
-14.4	0.017	50.2	0.034
-13.1	0.074	52.0	0.010
-12.0	0.023	53.4	0.024
-11.2	0.049	54.7	0.012
-10.5	0.025	56.7	0.044
-10.0	0.057	58.6	0.018
-9.2	0.104	60.0	0.042
-8.2	0.032	60.6	0.046
-7.3	0.083	61.6	0.041
-6.5	0.045	65.9	0.169
-5.3	0.171	70.0	0.036
-4.4	0.077	70.9	0.018
-3.3	0.210	73.9	0.047
-2.9	0.199	80.0	0.008
-0.8	1.000	81.8	0.004
0.0	0.698	85.4	0.005
0.9	0.140	90.0	0.004