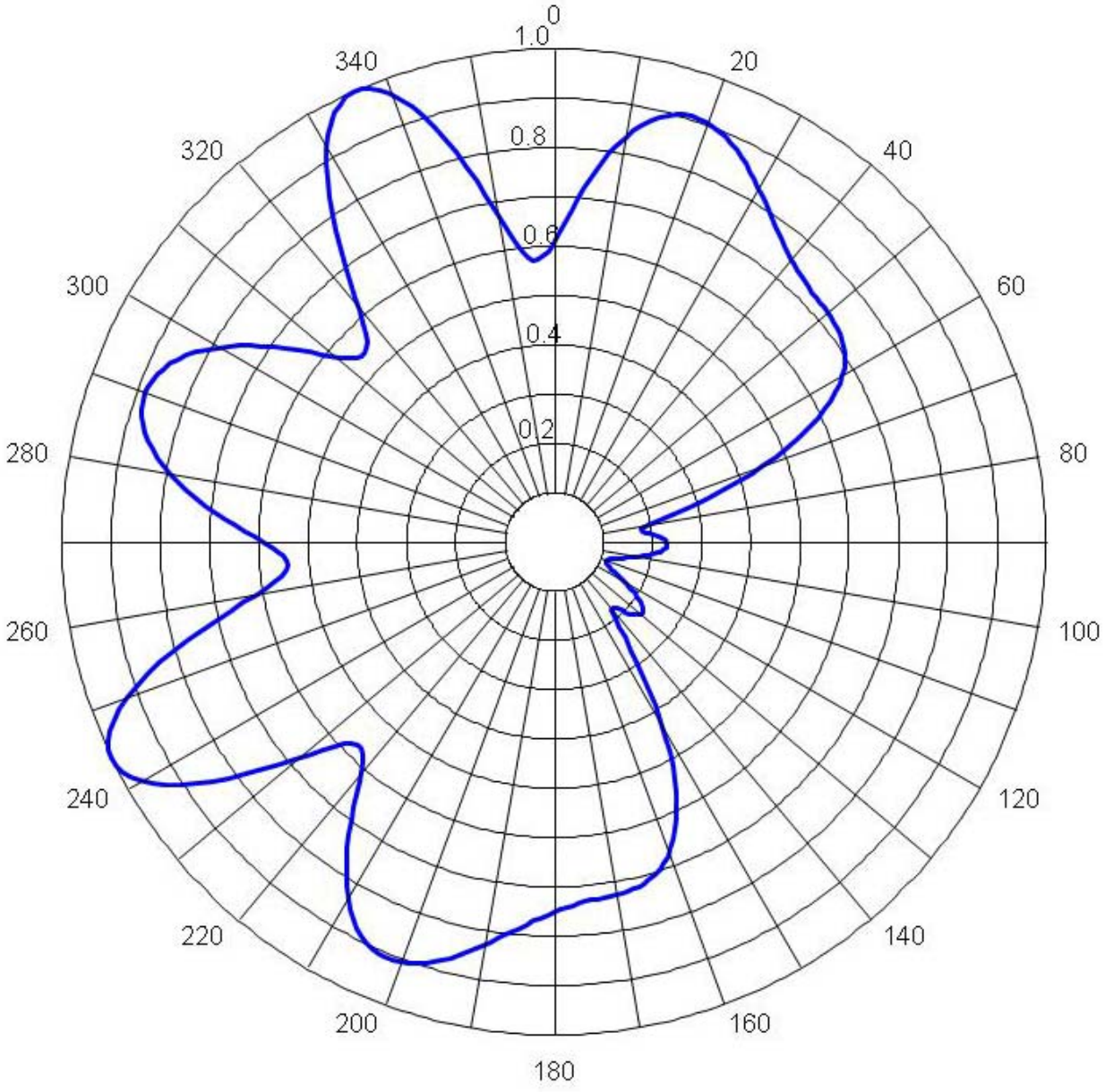
JAMPRO ANTENNAS, INC.
6340 Sky Creek Drive
Sacramento, California 95828 USA
Telephone (916) 383-1177
Fax (916) 383-1182



Values in Relative Field

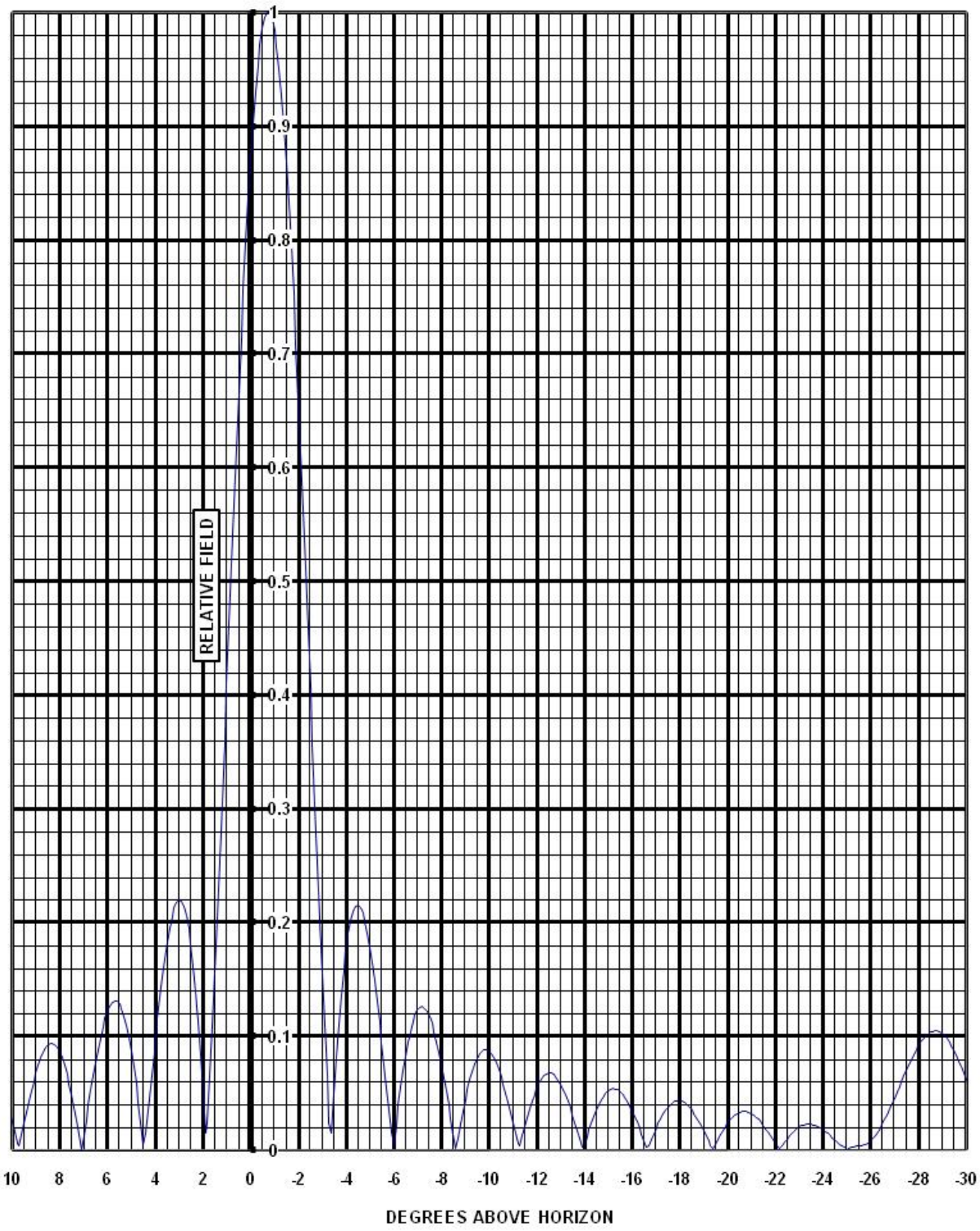
Customer: WGBA-DT

Channel: 41 (632-638 MHz)

Model: JUHD-10/3 (30)
Description: UHF Panel Antenna
Notes: Wide Cardioid Pattern

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ELEVATION PATTERN

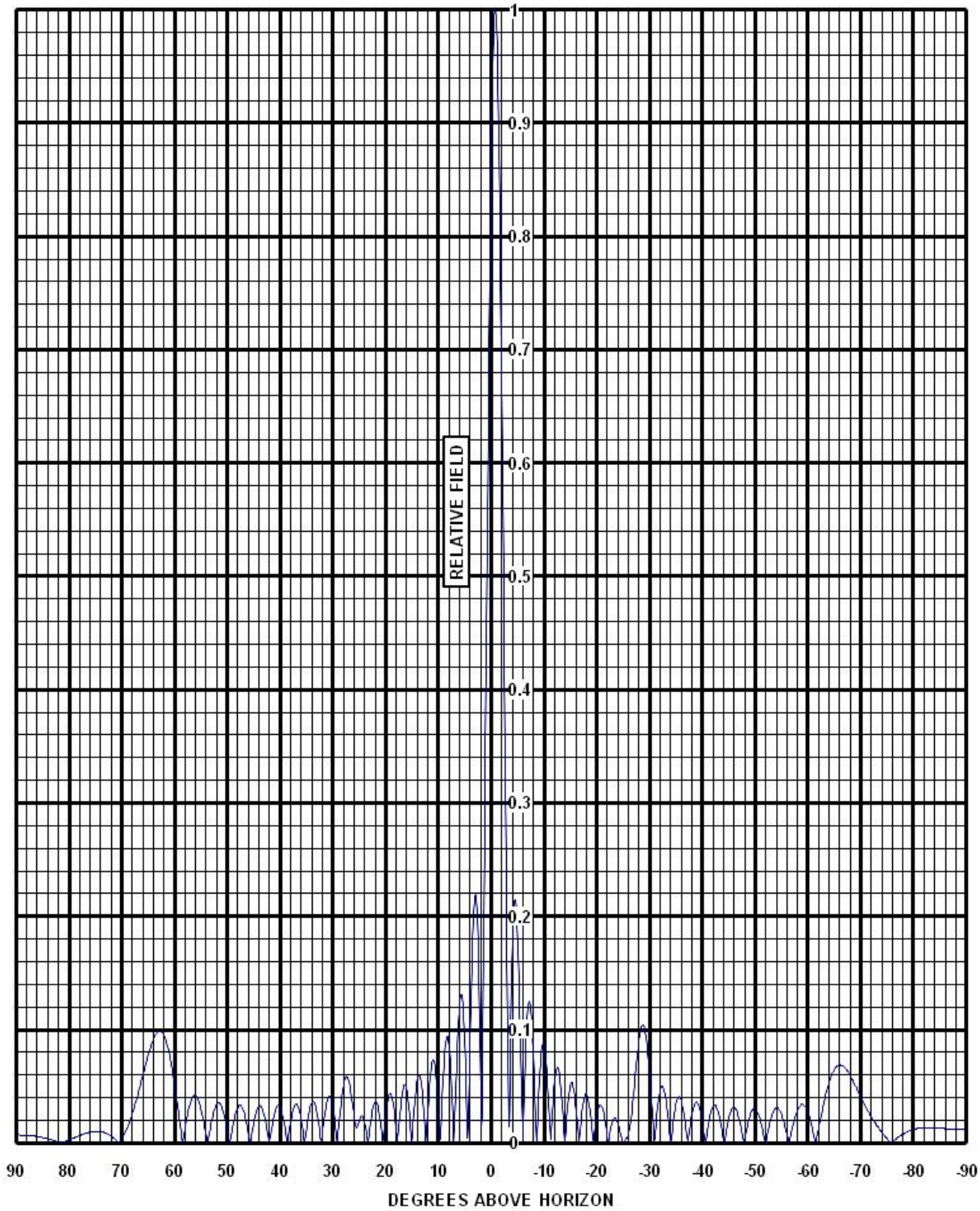


Customer: WGBA-DT
Channel: 41 (632-638 MHz)

Model: JUHD-10/3 (30)
Description: UHF Panel Antenna
-0.75° Beam Tilt, 0% Null Fill

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COMPUTED ELEVATION PATTERN



Customer: WGBA-DT
Channel: 41 (632-638 MHz)

Model: JUHD-10/3 (30)
Description: UHF Panel Antenna
-0.75° Beam Tilt, 0% Null Fill

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Azimuth Pattern Tabulation

AZIMUTH	HPOL	AZIMUTH	HPOL
0	0.608	180	0.751
5	0.723	185	0.786
10	0.834	190	0.832
15	0.897	195	0.879
20	0.907	200	0.907
25	0.879	205	0.897
30	0.832	210	0.834
35	0.786	215	0.723
40	0.751	220	0.608
45	0.733	225	0.579
50	0.727	230	0.685
55	0.717	235	0.847
60	0.678	240	0.969
65	0.592	245	0.997
70	0.455	250	0.921
75	0.297	255	0.770
80	0.188	260	0.613
85	0.196	265	0.541
90	0.230	270	0.588
95	0.219	275	0.690
100	0.173	280	0.790
105	0.130	285	0.858
110	0.114	290	0.883
115	0.130	295	0.858
120	0.173	300	0.790
125	0.219	305	0.690
130	0.230	310	0.588
135	0.196	315	0.541
140	0.188	320	0.613
145	0.297	325	0.770
150	0.455	330	0.921
155	0.592	335	0.997
160	0.678	340	0.969
165	0.717	345	0.847
170	0.727	350	0.685
175	0.733	355	0.579

Customer: WGBA-DT

Channel: 41 (632-638 MHz)

Model: JUHD-10/3 (30)
Description: UHF Panel Antenna
Notes: Wide Cardioid Pattern

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Elevation Pattern Tabulation

RELATIVE FIELD VS ELEVATION ANGLE

ELEVATION ANGLE	RELATIVE FIELD	ELEVATION ANGLE	RELATIVE FIELD	ELEVATION ANGLE	RELATIVE FIELD
10	0.025	-26	0.008	-61	0.010
9	0.068	-27	0.045	-62	0.012
8	0.086	-28	0.091	-63	0.035
7	0.013	-29	0.102	-64	0.053
6	0.122	-30	0.061	-65	0.065
5	0.087	-31	0.004	-66	0.069
4	0.096	-32	0.047	-67	0.067
3	0.220	-33	0.041	-68	0.060
2	0.051	-34	0.002	-69	0.051
1	0.411	-35	0.035	-70	0.041
0	0.872	-36	0.038	-71	0.032
-1	0.985	-37	0.009	-72	0.024
-2	0.661	-38	0.025	-73	0.016
-3	0.155	-39	0.036	-74	0.010
-4	0.176	-40	0.019	-75	0.004
-5	0.178	-41	0.012	-76	0.001
-6	0.004	-42	0.032	-77	0.005
-7	0.123	-43	0.028	-78	0.008
-8	0.075	-44	0.004	-79	0.011
-9	0.044	-45	0.022	-80	0.012
-10	0.087	-46	0.032	-81	0.013
-11	0.024	-47	0.021	-82	0.014
-12	0.054	-48	0.003	-83	0.014
-13	0.058	-49	0.024	-84	0.014
-14	0.004	-50	0.031	-85	0.013
-15	0.052	-51	0.020	-86	0.013
-16	0.034	-52	0.001	-87	0.013
-17	0.019	-53	0.022	-88	0.012
-18	0.043	-54	0.031	-89	0.012
-19	0.017	-55	0.026	-90	0.012
-20	0.023	-56	0.009		
-21	0.032	-57	0.012		
-22	0.006	-58	0.029		
-23	0.020	-59	0.034		
-24	0.018	-60	0.027		
-25	0.000				

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