

Customer: \_\_\_\_\_ Date: \_\_\_\_\_ Channel: \_\_\_\_\_

Description: JAMPRO Flatened Cardioid \_\_\_\_\_ Antenna Type: \_\_\_\_\_

Elevation Gain: \_\_\_\_\_ Directivity: 1.9 \_\_\_\_\_ Major lobe gain: \_\_\_\_\_

Notes: Pattern #50  
\_\_\_\_\_  
\_\_\_\_\_



JAMPRO ANTENNAS, INC.

**PATTERN #50 Flatened Cardioid  
SLOT ANTENNA PATTERN TABULATION**

0 DEGREES = TRUE NORTH

<u>AZIMUTH</u>	<u>FIELD</u>	<u>dB</u>
0	0.90	-0.92
10	0.91	-0.82
20	0.92	-0.72
30	0.95	-0.45
40	0.98	-0.18
50	1.00	0.00
60	0.98	-0.18
70	0.92	-0.72
80	0.85	-1.41
90	0.76	-2.38
100	0.67	-3.48
110	0.57	-4.88
120	0.48	-6.38
130	0.37	-8.64
140	0.26	-11.70
150	0.19	-14.42
160	0.19	-14.42
170	0.23	-12.77
180	0.26	-11.70
190	0.21	-13.56
200	0.18	-14.89
210	0.21	-13.56
220	0.3	-10.46
230	0.41	-7.74
240	0.52	-5.68
250	0.62	-4.15
260	0.71	-2.97
270	0.8	-1.94
280	0.89	-1.01
290	0.96	-0.35
300	0.99	-0.09
310	1.00	0.00
320	0.97	-0.26
330	0.94	-0.54
340	0.92	-0.72
350	0.9	-0.92
45	0.99	-0.09
135	0.31	-10.17
225	0.35	-9.12
315	0.99	-0.09



Frequency: <MHz> 689.00

File Name:WQHA.ELU

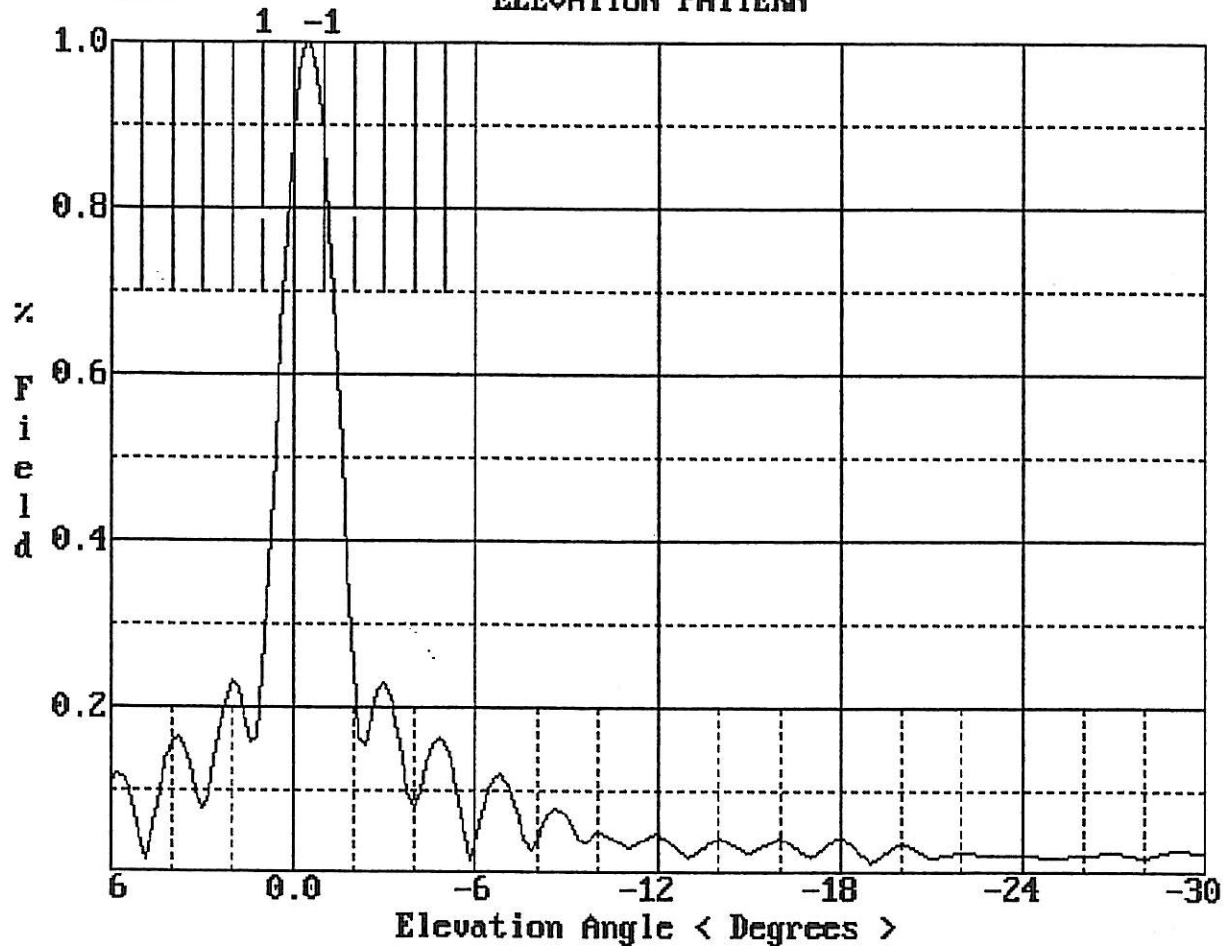
JAMPRO ANTENNAS INC.

Bays : 32

Spacing (Wavelength): 1.00

Model : SLOT

### ELEVATION PATTERN



### PATTERN INFORMATION

Notes: UHF Slot antenna vertical radiation pattern



TABLE OF FIELD STRENGTH FOR : WQHA.ELV

INCREMENTAL DEGREES

	0	1	2	3	4	5	6	7	8	9
+	.884	.244	.230	.079	.156	.035	.111	.041	.066	.052
-	.884	.884	.244	.228	.079	.156	.034	.110	.040	.067
D -10	.051	.030	.049	.020	.044	.024	.044	.019	.045	.015
E -20	.038	.020	.026	.022	.022	.020	.022	.024	.020	.027
G -30	.025	.019	.030	.013	.026	.013	.025	.003	.024	.014
R -40	.021	.020	.020	.028	.005	.030	.026	.010	.030	.021
E -50	.020	.026	.010	.023	.028	.009	.021	.030	.019	.024
E -60	.036	.026	.013	.035	.048	.037	.010	.024	.047	.054
S -70	.045	.027	.028	.044	.056	.058	.048	.037	.033	.041
-80	.058	.074	.086	.094	.106	.107	.106	.101	.104	.097
-90	.088									

PATTERN INFORMATION

Notes: UHF Slot antenna vertical radiation pattern