

KEY FEATURES

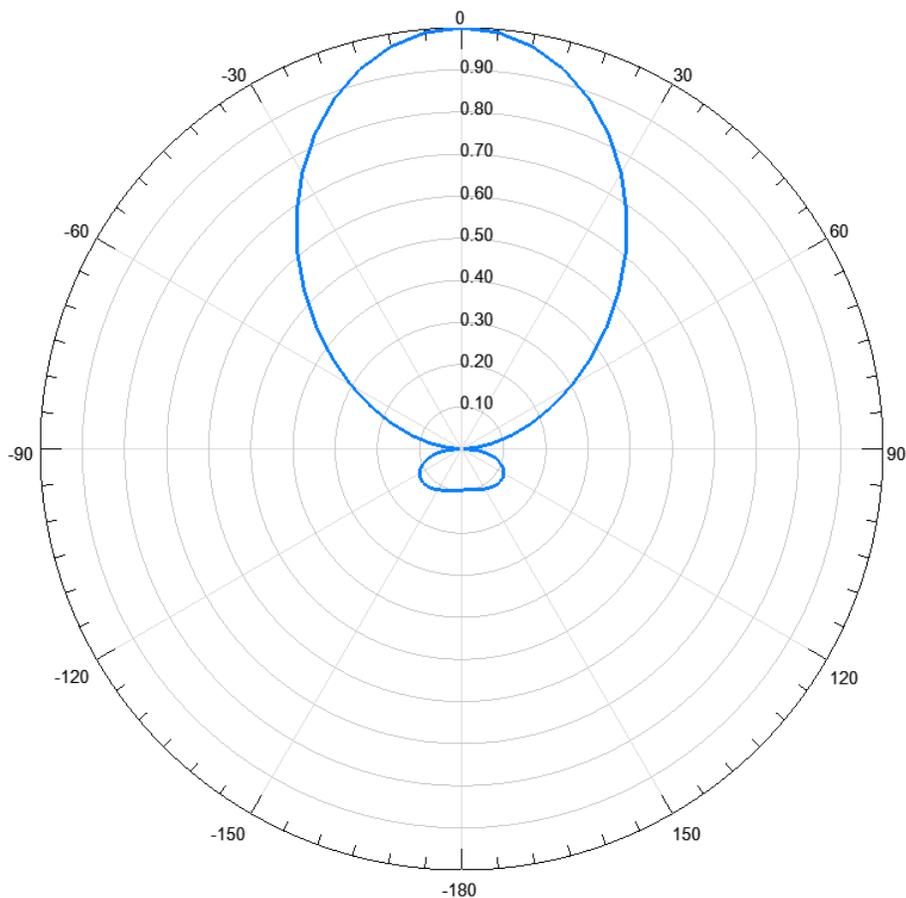
- 4-Element, 4-Foot Length
- Light Weight Directional Antenna
- Multi-Bay Design Available
- Low, Medium, and High Power Capable
- Broadband 88-108 MHz
- Transmit or Receive Capable
- Radomes Available

TECHNICAL SPECIFICATIONS

Model	FM6026-LPA
Frequency	88 - 108 MHz
VSWR	1.08:1 or better
Power Gain	3.27 (vertical or horizontal), 1.79 (slant)
Polarization	Vertical, Horizontal, Slant (H&V)
Input power Rating	5,000 Watt, Single Bay. Higher Power Ratings Available
Connector	7/8" EIA
Material	Aluminum, Copper, and Brass
Mounting Member	2" - 4.5" OD, Other Mounting Member Sizes Available
Dimensions	52" W/H x 48" L
Net Weight	46 lbs.

Specifications are subject to change without notice. Information may be change or updated without notice. American Amplifier Technolgoies may also make improvements and/ or changes to the products described at any time.

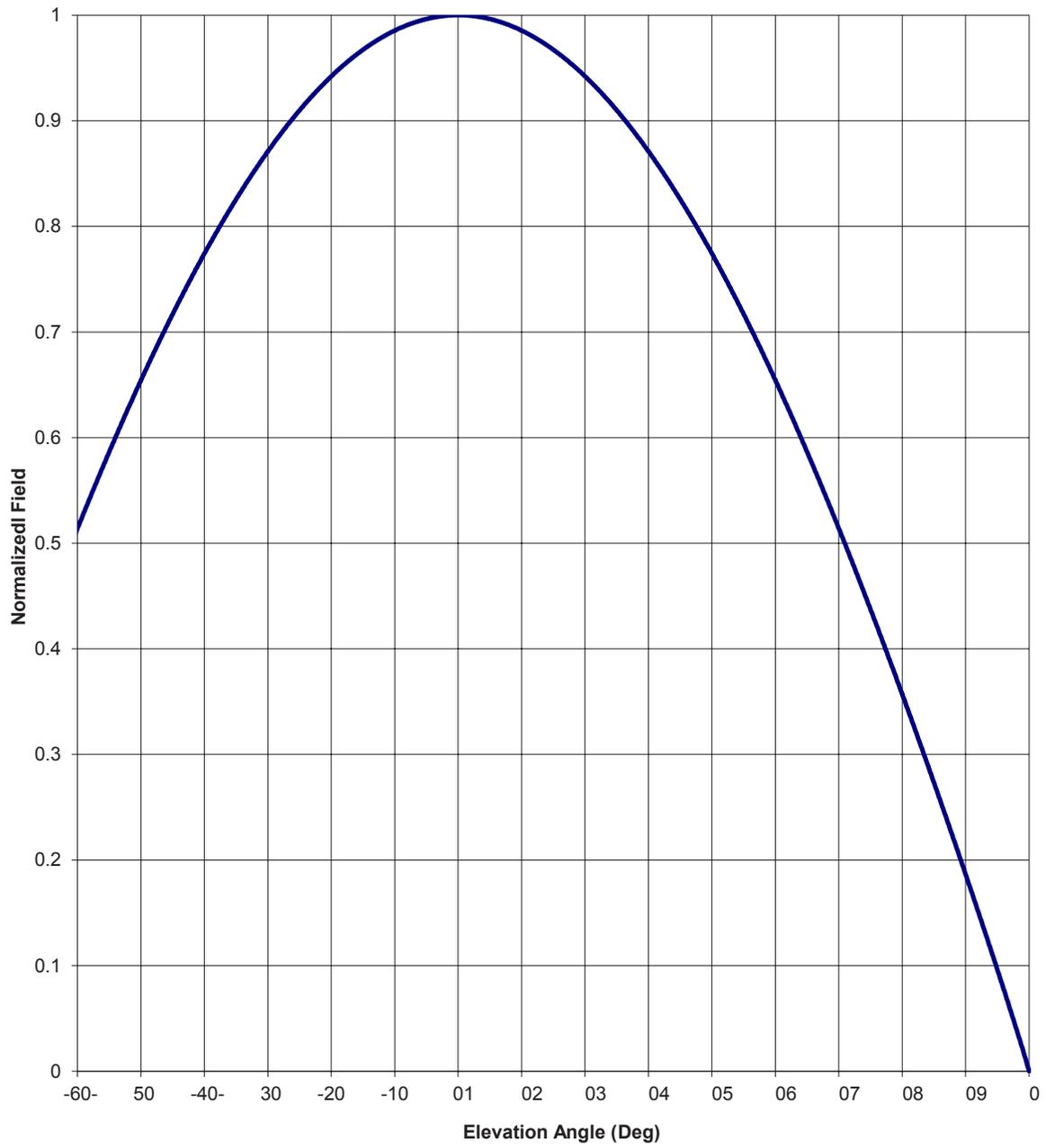
AZIMUTH PATTERN



AZIMUTH RELATIVE FIELD VALUES

Aziuth (Deg)	Relative Field
0	1.000
10	0.970
20	0.885
30	0.757
40	0.605
50	0.449
60	0.302
70	0.176
80	0.073
90	0.006
100	0.062
110	0.097
120	0.115
130	0.120
140	0.117
150	0.109
160	0.103
170	0.099
180	0.098
190	0.100
200	0.105
210	0.112
220	0.119
230	0.122
240	0.116
250	0.096
260	0.060
270	0.005
280	0.074
290	0.177
300	0.303
310	0.449
320	0.606
330	0.757
340	0.884
350	0.970

ELEVATION (VERTICAL) PATTERN SINGLE BAY/LEVEL



ELEVATION (VERTICAL) RELATIVE FIELD VALUES

Angle of Depression (Deg)	Relative Field
-90	0.000
-89	0.021
-88	0.040
-87	0.059
-86	0.078
-85	0.096
-84	0.114
-83	0.133
-82	0.151
-81	0.168
-80	0.186
-79	0.204
-78	0.221
-77	0.239
-76	0.256
-75	0.273
-74	0.290
-73	0.307
-72	0.324
-71	0.341
-70	0.357
-69	0.373
-68	0.390
-67	0.406
-66	0.422
-65	0.437
-64	0.453
-63	0.469
-62	0.484
-61	0.499
-60	0.514
-59	0.529
-58	0.544
-57	0.558
-56	0.572
-55	0.586
-54	0.600
-53	0.614
-52	0.628
-51	0.641
-50	0.654
-49	0.667
-48	0.680
-47	0.693
-46	0.705
-45	0.717

Angle of Depression (Deg)	Relative Field
-44	0.729
-43	0.741
-42	0.752
-41	0.763
-40	0.774
-39	0.785
-38	0.796
-37	0.806
-36	0.816
-35	0.826
-34	0.835
-33	0.845
-32	0.854
-31	0.862
-30	0.871
-29	0.879
-28	0.887
-27	0.895
-26	0.903
-25	0.910
-24	0.917
-23	0.924
-22	0.930
-21	0.936
-20	0.942
-19	0.948
-18	0.953
-17	0.958
-16	0.963
-15	0.967
-14	0.971
-13	0.975
-12	0.979
-11	0.982
-10	0.985
-9	0.988
-8	0.991
-7	0.993
-6	0.995
-5	0.996
-4	0.998
-3	0.999
-2	0.999
-1	1.000
0	1.000

Angle of Depression (Deg)	Relative Field
0	1.000
1	1.000
2	0.999
3	0.999
4	0.998
5	0.996
6	0.995
7	0.993
8	0.991
9	0.988
10	0.985
11	0.982
12	0.979
13	0.975
14	0.971
15	0.967
16	0.963
17	0.958
18	0.953
19	0.948
20	0.942
21	0.936
22	0.930
23	0.924
24	0.917
25	0.910
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27	0.895
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39	0.785
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43	0.741
44	0.729
45	0.717

Angle of Depression (Deg)	Relative Field
46	0.705
47	0.693
48	0.680
49	0.667
50	0.654
51	0.641
52	0.628
53	0.614
54	0.600
55	0.586
56	0.572
57	0.558
58	0.544
59	0.529
60	0.514
61	0.499
62	0.484
63	0.469
64	0.453
65	0.437
66	0.422
67	0.406
68	0.390
69	0.373
70	0.357
71	0.341
72	0.324
73	0.307
74	0.290
75	0.273
76	0.256
77	0.239
78	0.221
79	0.204
80	0.186
81	0.168
82	0.151
83	0.133
84	0.114
85	0.096
86	0.078
87	0.059
88	0.040
89	0.021
90	0.000



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