

NICOM BKG77 / 2
2-bay 0.85 Wave Spaced Circularly Polarized FM Antenna



Frequency = 96.9 Mhz
Interfering Contour 107.6 dBu (50,10)

ERP= 250 watts
Height = 155 m AGL

Depression Angle	Relative Field (o)	Effective Power (w)	Distance to Contour (m)	Distance from Antenna to Ground (m)	Clearance (m)
1	1.000	250.0	462.35	8,881.30	8419
2	0.998	249.2	461.62	4,441.32	3980
3	0.988	243.9	456.68	2,961.64	2505
4	0.979	239.5	452.51	2,222.02	1770
5	0.967	233.9	447.18	1,778.43	1331
6	0.952	226.8	440.33	1,482.85	1043
7	0.935	218.7	432.43	1,271.85	839
8	0.916	209.7	423.47	1,113.72	690
9	0.894	200.0	413.49	990.83	577
10	0.871	189.5	402.58	892.61	493
11	0.842	177.3	389.32	812.33	423
12	0.812	164.7	375.28	745.51	370
13	0.780	152.0	360.47	689.04	329
14	0.746	139.2	345.03	640.70	296
15	0.711	126.5	328.93	598.87	270
16	0.674	113.7	311.81	562.33	251
17	0.636	101.3	294.26	530.15	236
18	0.598	89.3	276.31	501.59	225
19	0.558	77.9	258.01	476.09	218
20	0.518	67.1	239.50	453.19	214
21	0.476	56.7	220.27	432.52	212
22	0.435	47.3	201.01	413.77	213
23	0.393	38.6	181.77	396.69	215
24	0.352	30.9	162.55	381.08	219
25	0.310	24.1	143.53	366.76	223
26	0.269	18.1	124.51	353.58	229
27	0.229	13.1	105.83	341.42	236
28	0.189	8.9	87.44	330.16	243
29	0.150	5.6	69.40	319.71	250
30	0.112	3.1	51.86	310.00	258
31	0.075	1.4	34.53	300.95	266
32	0.038	0.4	17.43	292.50	275
33	0.018	0.1	8.38	284.59	276
34	0.030	0.2	13.68	277.19	264
35	0.062	1.0	28.61	270.23	242
36	0.093	2.2	42.98	263.70	221
37	0.122	3.7	56.18	257.55	201
38	0.149	5.5	68.73	251.76	183
39	0.174	7.6	80.48	246.30	166
40	0.198	9.8	91.37	241.14	150
41	0.219	12.0	101.32	236.26	135
42	0.239	14.3	110.48	231.64	121
43	0.257	16.5	118.84	227.27	108
44	0.273	18.7	126.37	223.13	97
45	0.288	20.7	133.13	219.20	86

Depression Angle	Relative Field	Effective Power (w)	Distance to Contour (m)	Distance from Antenna to Ground (m)	Clearance (m)
46	0.301	22.6	139.06	215.48	76
47	0.312	24.3	144.18	211.94	68
48	0.321	25.8	148.57	208.57	60
49	0.329	27.1	152.30	205.38	53
50	0.336	28.2	155.27	202.34	47
51	0.341	29.1	157.66	199.45	42
52	0.345	29.7	159.43	196.70	37
53	0.347	30.2	160.60	194.08	33
54	0.349	30.4	161.18	191.59	30
55	0.349	30.4	161.18	189.22	28
56	0.347	30.1	160.52	186.96	26
57	0.345	29.7	159.28	184.82	26
58	0.341	29.1	157.66	182.77	25
59	0.336	28.3	155.57	180.83	25
60	0.331	27.4	152.99	178.98	26
61	0.325	26.4	150.37	177.22	27
62	0.319	25.4	147.31	175.55	28
63	0.311	24.3	144.02	173.96	30
64	0.303	23.0	140.32	172.45	32
65	0.295	21.7	136.34	171.02	35
66	0.286	20.5	132.25	169.67	37
67	0.277	19.1	127.94	168.39	40
68	0.267	17.8	123.38	167.17	44
69	0.257	16.5	118.64	166.03	47
70	0.246	15.1	113.71	164.95	51
71	0.237	14.0	109.42	163.93	55
72	0.227	12.9	105.06	162.98	58
73	0.217	11.8	100.51	162.08	62
74	0.207	10.7	95.86	161.25	65
75	0.197	9.7	91.11	160.47	69
76	0.188	8.9	87.04	159.75	73
77	0.179	8.0	82.77	159.08	76
78	0.170	7.2	78.57	158.46	80
79	0.160	6.4	74.13	157.90	84
80	0.151	5.7	69.74	157.39	88
81	0.145	5.3	67.18	156.93	90
82	0.140	4.9	64.51	156.52	92
83	0.134	4.5	61.93	156.16	94
84	0.128	4.1	59.22	155.85	97
85	0.122	3.7	56.60	155.59	99
86	0.121	3.7	55.98	155.38	99
87	0.120	3.6	55.56	155.21	100
88	0.119	3.5	54.92	155.09	100
89	0.117	3.4	54.28	155.02	101
90	0.117	3.4	54.28	155.00	101

NOTES:

- HEIGHT HAS BEEN REDUCED BY 2 METERS TO ALLOW FOR HUMAN EXPOSURE
- DISTANCE FROM ANTENNA TO GROUND IS ACTUALLY TO A POINT 2 METERS ABOVE GROUND
- VALUES ON THIS TABLE TAKEN FROM MANUFACTURER DATA SHEET AND CONVERTED TO FIELD VALUE FROM %