

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



Frequency = 95.7 Mhz
Interfering Contour 113.46 dBu (50,10)

ERP= 250 watts
131 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	235.49	7,506.13	7271
2	0.998	249.2	235.11	3,753.64	3519
3	0.988	243.9	232.60	2,503.06	2270
4	0.979	239.5	230.48	1,877.96	1647
5	0.967	233.9	227.76	1,503.06	1275
6	0.952	226.8	224.27	1,253.25	1029
7	0.935	218.7	220.25	1,074.92	855
8	0.916	209.7	215.68	941.27	726
9	0.894	200.0	210.60	837.41	627
10	0.871	189.5	205.04	754.40	549
11	0.842	177.3	198.29	686.55	488
12	0.812	164.7	191.14	630.08	439
13	0.780	152.0	183.60	582.35	399
14	0.746	139.2	175.73	541.50	366
15	0.711	126.5	167.53	506.15	339
16	0.674	113.7	158.82	475.26	316
17	0.636	101.3	149.87	448.06	298
18	0.598	89.3	140.73	423.92	283
19	0.558	77.9	131.41	402.37	271
20	0.518	67.1	121.98	383.02	261
21	0.476	56.7	112.19	365.55	253
22	0.435	47.3	102.38	349.70	247
23	0.393	38.6	92.58	335.27	243
24	0.352	30.9	82.79	322.08	239
25	0.310	24.1	73.10	309.97	237
26	0.269	18.1	63.42	298.83	235
27	0.229	13.1	53.90	288.55	235
28	0.189	8.9	44.54	279.04	234
29	0.150	5.6	35.35	270.21	235
30	0.112	3.1	26.41	262.00	236
31	0.075	1.4	17.59	254.35	237
32	0.038	0.4	8.88	247.21	238
33	0.018	0.1	4.27	240.53	236
34	0.030	0.2	6.97	234.27	227
35	0.062	1.0	14.57	228.39	214
36	0.093	2.2	21.89	222.87	201
37	0.122	3.7	28.62	217.67	189
38	0.149	5.5	35.00	212.78	178
39	0.174	7.6	40.99	208.16	167
40	0.198	9.8	46.54	203.80	157
41	0.219	12.0	51.60	199.68	148
42	0.239	14.3	56.27	195.78	140
43	0.257	16.5	60.53	192.08	132
44	0.273	18.7	64.37	188.58	124
45	0.288	20.7	67.81	185.26	117

Depression Angle		Effective Power (w)	Distance to Contour (m)	Distance from Antenna to Ground (m)	Clearance (m)
46	250.000	22.6	70.83	182.11	111
47	250.000	24.3	73.43	179.12	106
48	250.000	25.8	75.67	176.28	101
49	250.000	27.1	77.57	173.58	96
50	250.000	28.2	79.08	171.01	92
51	250.000	29.1	80.30	168.57	88
52	250.000	29.7	81.20	166.24	85
53	250.000	30.2	81.80	164.03	82
54	250.000	30.4	82.09	161.92	80
55	250.000	30.4	82.09	159.92	78
56	250.000	30.1	81.76	158.01	76
57	250.000	29.7	81.13	156.20	75
58	250.000	29.1	80.30	154.47	74
59	250.000	28.3	79.24	152.83	74
60	250.000	27.4	77.92	151.27	73
61	250.000	26.4	76.59	149.78	73
62	250.000	25.4	75.03	148.37	73
63	250.000	24.3	73.35	147.02	74
64	250.000	23.0	71.47	145.75	74
65	250.000	21.7	69.44	144.54	75
66	250.000	20.5	67.36	143.40	76
67	250.000	19.1	65.16	142.31	77
68	250.000	17.8	62.84	141.29	78
69	250.000	16.5	60.43	140.32	80
70	250.000	15.1	57.92	139.41	81
71	250.000	14.0	55.73	138.55	83
72	250.000	12.9	53.51	137.74	84
73	250.000	11.8	51.19	136.99	86
74	250.000	10.7	48.83	136.28	87
75	250.000	9.7	46.40	135.62	89
76	250.000	8.9	44.33	135.01	91
77	250.000	8.0	42.16	134.45	92
78	250.000	7.2	40.02	133.93	94
79	250.000	6.4	37.76	133.45	96
80	250.000	5.7	35.52	133.02	98
81	250.000	5.3	34.22	132.63	98
82	250.000	4.9	32.86	132.29	99
83	250.000	4.5	31.54	131.98	100
84	250.000	4.1	30.16	131.72	102
85	250.000	3.7	28.83	131.50	103
86	250.000	3.7	28.51	131.32	103
87	250.000	3.6	28.30	131.18	103
88	250.000	3.5	27.97	131.08	103
89	250.000	3.4	27.65	131.02	103
90	250.000	3.4	27.65	131.00	103

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 %