NICOM BKG77 - 3

3-bay Full Wave Spaced Circularly Polarized FM Antenna

Frequency =	107.1	Mhz
Interfering Contour	107.9	dBu (50,10)

ERP=	250	watts
Height =	104	m AGL

Depression Angle	Relative Field (o)	Effective Power (w)	Distance to Contour (m)	Distance from Antenna to Ground (m)	Clearance (m)
1	0.999	249.5	446.21	5,959.06	5513
2	0.979	239.6	437.27	2,979.99	2543
3	0.951	226.1	424.77	1,987.16	1562
4	0.923	213.0	412.26	1,490.90	1079
5	0.876	191.8	391.27	1,193.27	802
6	0.839	176.0	374.74	994.94	620
7	0.785	154.1	350.62	853.37	503
8	0.732	134.0	326.95	747.27	420
9	0.666	110.9	297.47	664.82	367
10	0.610	93.0	272.46	598.91	326
11	0.549	75.4	245.21	545.05	300
12	0.481	57.8	214.84	500.21	285
13	0.410	42.0	183.13	462.32	279
14	0.350	30.6	156.33	429.89	274
15	0.286	20.4	127.74	401.83	274
16	0.223	12.4	99.60	377.31	278
17	0.163	6.6	72.80	355.71	283
18	0.103	2.7	46.01	336.55	291
19	0.081	1.6	36.18	319.44	283
20	0.060	0.9	26.80	304.08	277
21	0.081	1.6	36.18	290.20	254
22	0.102	2.6	45.56	277.62	232
23	0.142	5.0	63.42	266.17	203
24	0.182	8.3	81.29	255.69	174
25	0.201	10.1	89.78	246.08	156
26	0.224	12.5	100.05	237.24	137
27	0.253	16.0	113.00	229.08	116
28	0.285	20.3	127.30	221.53	94
29	0.294	21.6	131.32	214.52	83
30	0.303	23.0	135.34	208.00	73
31	0.301	22.7	134.44	201.93	67
32	0.299	22.4	133.55	196.26	63
33	0.287	20.6	128.19	190.95	63
34	0.274	18.8	122.38	185.98	64
35	0.252	15.9	112.56	181.32	69
36	0.230	13.2	102.73	176.94	74
37	0.201	10.1	89.78	172.81	83
38	0.172	7.4	76.82	168.92	92
39	0.136	4.6	60.74	165.26	105
40	0.104	2.7	46.45	161.80	115
41	0.067	1.1	29.93	158.52	129
42	0.031	0.2	13.85	155.43	142
43	0.035	0.3	15.63	152.49	137
44	0.040	0.4	17.87	149.71	132
45	0.074	1.4	33.05	147.08	114

Depression Angle	Relative Field	Effective Power (w)	Distance to Contour (m)	Distance from Antenna to Ground (m)	Clearance (m)
46	0.108	2.9	48.24	144.58	96
47	0.138	4.8	61.64	142.20	81
48	0.167	7.0	74.59	139.95	65
49	0.196	9.6	87.54	137.80	50
50	0.215	11.6	96.03	135.76	40
51	0.231	13.3	103.18	133.82	31
52	0.253	16.0	113.00	131.98	19
53	0.269	18.1	120.15	130.22	10
54	0.280	19.6	125.06	128.55	3
55	0.286	20.4	127.74	126.96	(1)
56	0.297	22.1	132.66	125.45	(7)
57	0.301	22.7	134.44	124.01	(10)
58	0.304	23.1	135.78	122.63	(13)
59	0.304	23.1	135.78	121.33	(14)
60	0.304	23.1	135.78	120.09	(16)
61	0.301	22.7	134.44	118.91	(16)
62	0.298	22.2	133.10	117.79	(15)
63	0.293	21.5	130.87	116.72	(14)
64	0.288	20.7	128.64	115.71	(13)
65	0.281	19.7	125.51	114.75	(11)
66	0.274	18.8	122.38	113.84	(9)
67	0.265	17.6	118.36	112.98	(5)
68	0.257	16.5	114.79	112.17	(3)
69	0.248	15.4	110.77	111.40	1
70	0.239	14.3	106.75	110.67	4
71	0.189	8.9	84.42	109.99	26
72	0.219	12.0	97.82	109.35	12
73	0.209	10.9	93.35	108.75	15
74	0.199	9.9	88.88	108.19	19
75	0.188	8.8	83.97	107.67	24
76	0.177	7.8	79.06	107.18	28
77	0.155	6.0	69.23	106.74	38
78	0.154	5.9	68.78	106.32	38
79	0.137	4.7	61.19	105.95	45
80	0.131	4.3	58.51	105.60	47
81	0.116	3.4	51.81	105.30	53
82	0.108	2.9	48.24	105.02	57
83	0.093	2.2	41.54	104.78	63
84	0.084	1.8	37.52	104.57	67
85	0.069	1.2	30.82	104.40	74
86	0.061	0.9	27.25	104.25	77
87	0.051	0.7	22.78	104.14	81
88	0.042	0.4	18.76	104.06	85
89	0.039	0.4	17.42	104.02	87
90	0.036	0.3	0.00	104.00	104

NOTES: π I9LDI¢ I!{ .99b w95¦/95 .¸ H a9¢9w{ ¢h ![[h ² Chw I¦a!b 9·th{¦w9 π 5L{¢!b/9 Cwh a !b¢9bb! ¢h Dwh¦b5 L{ !/¢¦![[¸ ¢h ! thLb¢ H a9¢9w{ !.h±9 Dwh¦b5