

2-bay Full Wave Spaced Circularly Polarized FM Antenna = 340 Degree Azimuth

Frequency = 

107.1
98.4

 Mhz  
Interfering Contour 

dBu (50,10)
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 ERP Watts = 

16
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HAGL (m)= 50

Degrees	Rel. Field	Power	Distance to Contour	Degrees	Rel. Field	Power	Distance to Contour
1	1.000	16.0	337.3339	46	0.242	0.9	81.6348
2	0.995	15.8	335.6472	47	0.258	1.1	87.0321
3	0.989	15.6	333.6232	48	0.273	1.2	92.0922
4	0.980	15.4	330.5872	49	0.287	1.3	96.8148
5	0.969	15.0	326.8766	50	0.299	1.4	100.8628
6	0.956	14.6	322.4912	51	0.310	1.5	104.5735
7	0.941	14.2	317.4312	52	0.319	1.6	107.6095
8	0.974	15.2	328.5632	53	0.327	1.7	110.3082
9	0.923	13.6	311.3592	54	0.334	1.8	112.6695
10	0.881	12.4	297.1912	55	0.339	1.8	114.3562
11	0.858	11.8	289.4325	56	0.343	1.9	115.7055
12	0.832	11.1	280.6618	57	0.346	1.9	116.7175
13	0.805	10.4	271.5538	58	0.348	1.9	117.3922
14	0.776	9.6	261.7711	59	0.348	1.9	117.3922
15	0.745	8.9	251.3138	60	0.347	1.9	117.0549
16	0.714	8.2	240.8564	61	0.345	1.9	116.3802
17	0.681	7.4	229.7244	62	0.343	1.9	115.7055
18	0.647	6.7	218.2550	63	0.339	1.8	114.3562
19	0.612	6.0	206.4483	64	0.334	1.8	112.6695
20	0.576	5.3	194.3043	65	0.328	1.7	110.6455
21	0.539	4.6	181.8230	66	0.322	1.7	108.6215
22	0.502	4.0	169.3416	67	0.315	1.6	106.2602
23	0.465	3.5	156.8603	68	0.306	1.5	103.2242
24	0.427	2.9	144.0416	69	0.298	1.4	100.5255
25	0.387	2.4	130.5482	70	0.288	1.3	97.1522
26	0.352	2.0	118.7415	71	0.278	1.2	93.7788
27	0.314	1.6	105.9228	72	0.267	1.1	90.0682
28	0.277	1.2	93.4415	73	0.256	1.0	86.3575
29	0.240	0.9	80.9601	74	0.244	1.0	82.3095
30	0.203	0.7	68.4788	75	0.231	0.9	77.9241
31	0.168	0.5	56.6721	76	0.218	0.8	73.5388
32	0.132	0.3	44.5281	77	0.205	0.7	69.1535
33	0.098	0.2	33.0587	78	0.191	0.6	64.4308
34	0.065	0.1	21.9267	79	0.177	0.5	59.7081
35	0.032	0.0	10.7947	80	0.162	0.4	54.6481
36	0.001	0.0	0.3373	81	0.148	0.4	49.9254
37	0.029	0.0	9.7827	82	0.132	0.3	44.5281
38	0.058	0.1	19.5654	83	0.117	0.2	39.4681
39	0.086	0.1	29.0107	84	0.101	0.2	34.0707
40	0.112	0.2	37.7814	85	0.085	0.1	28.6734
41	0.137	0.3	46.2147	86	0.069	0.1	23.2760
42	0.161	0.4	54.3108	87	0.052	0.0	17.5414
43	0.183	0.5	61.7321	88	0.036	0.0	12.1440
44	0.204	0.7	68.8161	89	0.018	0.0	6.0720
45	0.224	0.8	75.5628	90	0.000	0.0	0.0000

2-bay Full Wave Spaced Circularly Polarized FM Antenna = 40 Degree Azimuth

Frequency = 

107.1
98.4

 Mhz  
Interfering Contour 

dBu (50,10)
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 ERP Watts = 

7
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HAGL (m)= 50

Degrees	Rel. Field	Power	Distance to Contour	Degrees	Rel. Field	Power	Distance to Contour
1	1.000	7.0	223.1254	46	0.242	0.4	53.9963
2	0.995	6.9	222.0098	47	0.258	0.5	57.5664
3	0.989	6.8	220.6710	48	0.273	0.5	60.9132
4	0.980	6.7	218.6629	49	0.287	0.6	64.0370
5	0.969	6.6	216.2085	50	0.299	0.6	66.7145
6	0.956	6.4	213.3079	51	0.310	0.7	69.1689
7	0.941	6.2	209.9610	52	0.319	0.7	71.1770
8	0.974	6.6	217.3241	53	0.327	0.7	72.9620
9	0.923	6.0	205.9447	54	0.334	0.8	74.5239
10	0.881	5.4	196.5735	55	0.339	0.8	75.6395
11	0.858	5.2	191.4416	56	0.343	0.8	76.5320
12	0.832	4.8	185.6403	57	0.346	0.8	77.2014
13	0.805	4.5	179.6160	58	0.348	0.8	77.6476
14	0.776	4.2	173.1453	59	0.348	0.8	77.6476
15	0.745	3.9	166.2284	60	0.347	0.8	77.4245
16	0.714	3.6	159.3115	61	0.345	0.8	76.9783
17	0.681	3.2	151.9484	62	0.343	0.8	76.5320
18	0.647	2.9	144.3621	63	0.339	0.8	75.6395
19	0.612	2.6	136.5527	64	0.334	0.8	74.5239
20	0.576	2.3	128.5202	65	0.328	0.8	73.1851
21	0.539	2.0	120.2646	66	0.322	0.7	71.8464
22	0.502	1.8	112.0090	67	0.315	0.7	70.2845
23	0.465	1.5	103.7533	68	0.306	0.7	68.2764
24	0.427	1.3	95.2745	69	0.298	0.6	66.4914
25	0.387	1.0	86.3495	70	0.288	0.6	64.2601
26	0.352	0.9	78.5401	71	0.278	0.5	62.0289
27	0.314	0.7	70.0614	72	0.267	0.5	59.5745
28	0.277	0.5	61.8057	73	0.256	0.5	57.1201
29	0.240	0.4	53.5501	74	0.244	0.4	54.4426
30	0.203	0.3	45.2945	75	0.231	0.4	51.5420
31	0.168	0.2	37.4851	76	0.218	0.3	48.6413
32	0.132	0.1	29.4526	77	0.205	0.3	45.7407
33	0.098	0.1	21.8663	78	0.191	0.3	42.6170
34	0.065	0.0	14.5032	79	0.177	0.2	39.4932
35	0.032	0.0	7.1400	80	0.162	0.2	36.1463
36	0.001	0.0	0.2231	81	0.148	0.2	33.0226
37	0.029	0.0	6.4706	82	0.132	0.1	29.4526
38	0.058	0.0	12.9413	83	0.117	0.1	26.1057
39	0.086	0.1	19.1888	84	0.101	0.1	22.5357
40	0.112	0.1	24.9900	85	0.085	0.1	18.9657
41	0.137	0.1	30.5682	86	0.069	0.0	15.3957
42	0.161	0.2	35.9232	87	0.052	0.0	11.6025
43	0.183	0.2	40.8319	88	0.036	0.0	8.0325
44	0.204	0.3	45.5176	89	0.018	0.0	4.0163
45	0.224	0.4	49.9801	90	0.000	0.0	0.0000

2-bay Full Wave Spaced Circularly Polarized FM Antenna = 40 Degree Azimuth

Frequency = 

107.1
98.4

 Mhz  
Interfering Contour 

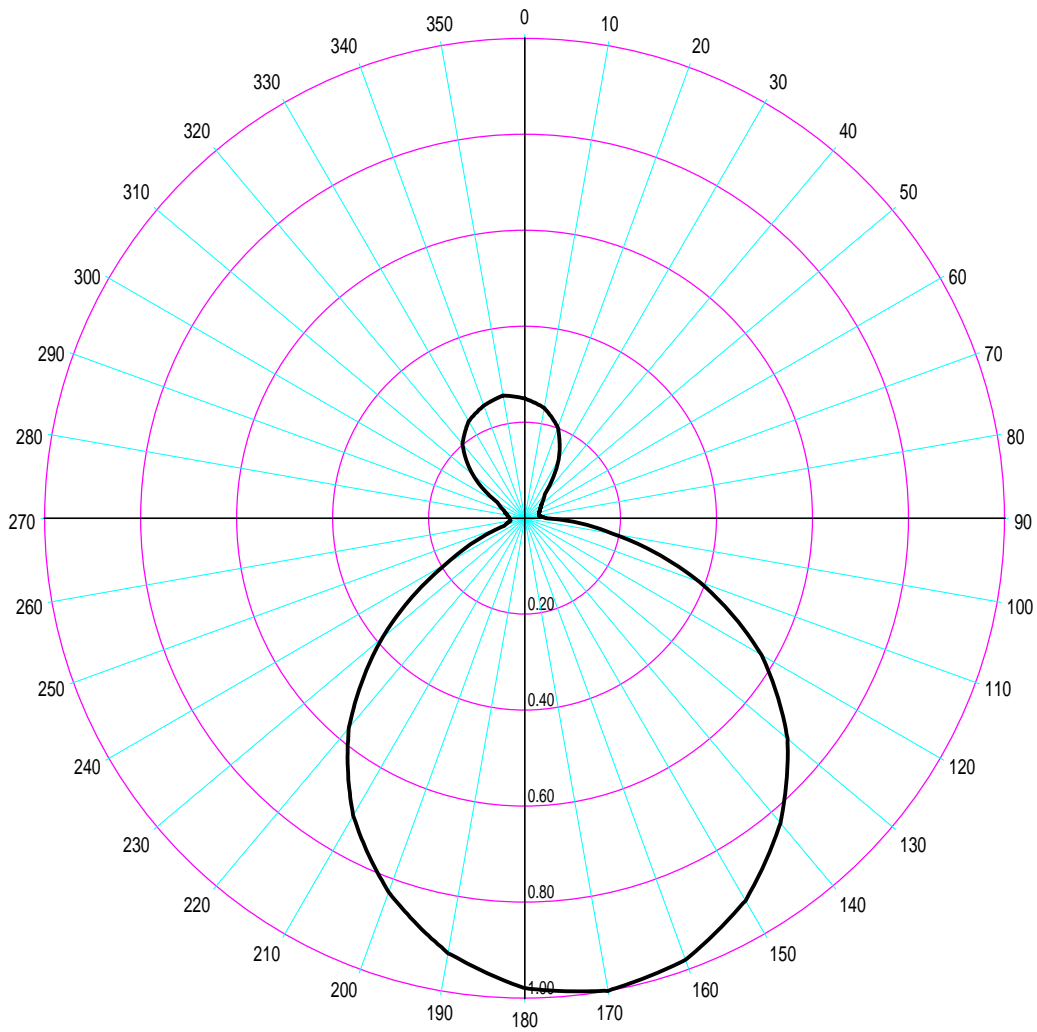
dBu (50,10)
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ERP Watts = 

1
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HAGL (m)= 50

Degrees	Rel. Field	Power	Distance to Contour	Degrees	Rel. Field	Power	Distance to Contour
1	1.000	1.0	84.3335	46	0.242	0.1	20.4087
2	0.995	1.0	83.9118	47	0.258	0.1	21.7580
3	0.989	1.0	83.4058	48	0.273	0.1	23.0230
4	0.980	1.0	82.6468	49	0.287	0.1	24.2037
5	0.969	0.9	81.7191	50	0.299	0.1	25.2157
6	0.956	0.9	80.6228	51	0.310	0.1	26.1434
7	0.941	0.9	79.3578	52	0.319	0.1	26.9024
8	0.974	0.9	82.1408	53	0.327	0.1	27.5770
9	0.923	0.9	77.8398	54	0.334	0.1	28.1674
10	0.881	0.8	74.2978	55	0.339	0.1	28.5890
11	0.858	0.7	72.3581	56	0.343	0.1	28.9264
12	0.832	0.7	70.1655	57	0.346	0.1	29.1794
13	0.805	0.6	67.8884	58	0.348	0.1	29.3480
14	0.776	0.6	65.4428	59	0.348	0.1	29.3480
15	0.745	0.6	62.8284	60	0.347	0.1	29.2637
16	0.714	0.5	60.2141	61	0.345	0.1	29.0950
17	0.681	0.5	57.4311	62	0.343	0.1	28.9264
18	0.647	0.4	54.5638	63	0.339	0.1	28.5890
19	0.612	0.4	51.6121	64	0.334	0.1	28.1674
20	0.576	0.3	48.5761	65	0.328	0.1	27.6614
21	0.539	0.3	45.4557	66	0.322	0.1	27.1554
22	0.502	0.3	42.3354	67	0.315	0.1	26.5650
23	0.465	0.2	39.2151	68	0.306	0.1	25.8060
24	0.427	0.2	36.0104	69	0.298	0.1	25.1314
25	0.387	0.1	32.6371	70	0.288	0.1	24.2880
26	0.352	0.1	29.6854	71	0.278	0.1	23.4447
27	0.314	0.1	26.4807	72	0.267	0.1	22.5170
28	0.277	0.1	23.3604	73	0.256	0.1	21.5894
29	0.240	0.1	20.2400	74	0.244	0.1	20.5774
30	0.203	0.0	17.1197	75	0.231	0.1	19.4810
31	0.168	0.0	14.1680	76	0.218	0.0	18.3847
32	0.132	0.0	11.1320	77	0.205	0.0	17.2884
33	0.098	0.0	8.2647	78	0.191	0.0	16.1077
34	0.065	0.0	5.4817	79	0.177	0.0	14.9270
35	0.032	0.0	2.6987	80	0.162	0.0	13.6620
36	0.001	0.0	0.0843	81	0.148	0.0	12.4814
37	0.029	0.0	2.4457	82	0.132	0.0	11.1320
38	0.058	0.0	4.8913	83	0.117	0.0	9.8670
39	0.086	0.0	7.2527	84	0.101	0.0	8.5177
40	0.112	0.0	9.4453	85	0.085	0.0	7.1683
41	0.137	0.0	11.5537	86	0.069	0.0	5.8190
42	0.161	0.0	13.5777	87	0.052	0.0	4.3853
43	0.183	0.0	15.4330	88	0.036	0.0	3.0360
44	0.204	0.0	17.2040	89	0.018	0.0	1.5180
45	0.224	0.1	18.8907	90	0.000	0.0	0.0000



Azim	Rel.FS	ERP [W]	dBk	Azim	Rel.FS	ERP [W]	dBk	Azim	Rel.FS	ERP [W]	dBk	Azim	Rel.FS	ERP [W]	dBk
0.0	0.250	13.125	-18.819	90.0	0.045	0.425	-33.714	180.0	0.979	201.273	-6.962	270.0	0.032	0.215	-36.675
5.0	0.242	12.298	-19.101	95.0	0.116	2.826	-25.489	185.0	0.949	189.126	-7.232	275.0	0.034	0.243	-36.148
10.0	0.234	11.499	-19.393	100.0	0.187	7.343	-21.341	190.0	0.920	177.744	-7.502	280.0	0.037	0.287	-35.414
15.0	0.218	9.980	-20.009	105.0	0.287	17.297	-17.620	195.0	0.874	160.414	-7.948	285.0	0.041	0.353	-34.522
20.0	0.202	8.569	-20.671	110.0	0.388	31.614	-15.001	200.0	0.829	144.321	-8.407	290.0	0.046	0.444	-33.523
25.0	0.172	6.213	-22.067	115.0	0.479	48.183	-13.171	205.0	0.772	125.157	-9.025	295.0	0.055	0.635	-31.971
30.0	0.142	4.234	-23.732	120.0	0.570	68.229	-11.660	210.0	0.715	107.357	-9.692	300.0	0.065	0.887	-30.520
35.0	0.103	2.228	-26.521	125.0	0.642	86.554	-10.627	215.0	0.642	86.554	-10.627	305.0	0.103	2.228	-26.521
40.0	0.065	0.887	-30.520	130.0	0.715	107.357	-9.692	220.0	0.570	68.229	-11.660	310.0	0.142	4.234	-23.732
45.0	0.055	0.635	-31.971	135.0	0.772	125.157	-9.025	225.0	0.479	48.183	-13.171	315.0	0.172	6.213	-22.067
50.0	0.046	0.444	-33.523	140.0	0.829	144.321	-8.407	230.0	0.388	31.614	-15.001	320.0	0.202	8.569	-20.671
55.0	0.041	0.353	-34.522	145.0	0.874	160.414	-7.948	235.0	0.287	17.297	-17.620	325.0	0.218	9.980	-20.009
60.0	0.037	0.287	-35.414	150.0	0.920	177.744	-7.502	240.0	0.187	7.343	-21.341	330.0	0.234	11.499	-19.393
65.0	0.034	0.243	-36.148	155.0	0.949	189.126	-7.232	245.0	0.116	2.826	-25.489	335.0	0.242	12.298	-19.101
70.0	0.032	0.215	-36.675	160.0	0.979	201.273	-6.962	250.0	0.045	0.425	-33.714	340.0	0.250	13.125	-18.819
75.0	0.031	0.202	-36.951	165.0	0.989	205.405	-6.874	255.0	0.037	0.287	-35.414	345.0	0.255	13.655	-18.647
80.0	0.030	0.189	-37.235	170.0	1.000	210.000	-6.778	260.0	0.030	0.189	-37.235	350.0	0.260	14.196	-18.478
85.0	0.037	0.287	-35.414	175.0	0.989	205.405	-6.874	265.0	0.031	0.202	-36.951	355.0	0.255	13.655	-18.647