



File Name: MA-WA55-30_-CAL.nff

ROLL		90 [deg]
Frequency	5.150 G	[GHz]
POL		90 [deg]
Ch.	CH1	
Beam		
Switch		
Gain		29.51 dBi
AZ [deg]	Amplitude [dB]	Phase [deg]
-179.5	-28.0316	-104.9151
-178.5	-29.8156	-88.3414
-177.5	-28.1781	-93.3924
-176.5	-43.596	-46.302
-175.5	-43.1363	44.2964
-174.5	-30.5463	70.969
-173.5	-25.7882	70.2771
-172.5	-26.1762	97.736
-171.5	-29.3011	123.1408
-170.5	-30.5558	135.6667
-169.5	-26.2958	-152.9879
-168.5	-26.13	-90.1141
-167.5	-29.6307	-65.1919
-166.5	-27.1524	-42.0784
-165.5	-23.4854	-8.6441
-164.5	-26.497	-3.2101
-163.5	-24.96	48.1934
-162.5	-24.6199	102.1812
-161.5	-24.0383	128.8332
-160.5	-24.6502	159.6128
-159.5	-21.8297	-178.7133
-158.5	-23.2235	-155.3877
-157.5	-22.437	-112.1241
-156.5	-22.5895	-90.476
-155.5	-21.7012	-53.4714
-154.5	-22.2685	-23.0167
-153.5	-22.1108	-0.0586
-152.5	-21.569	23.0628
-151.5	-21.451	57.2969
-150.5	-20.8808	80.6687
-149.5	-21.7873	109.4285
-148.5	-21.6929	141.1349
-147.5	-21.0288	162.0171
-146.5	-22.5435	-163.4174
-145.5	-22.3578	-140.4116
-144.5	-21.4192	-116.8683
-143.5	-22.1605	-84.5898
-142.5	-20.6732	-49.2691
-141.5	-20.7616	-25.9055
-140.5	-20.6598	-1.0939
-139.5	-19.421	26.5061
-138.5	-19.1601	49.4942
-137.5	-19.3191	78.1846
-136.5	-18.3545	87.8758
-135.5	-18.9801	114.2639
-134.5	-19.0532	133.7075
-133.5	-20.1025	157.6241

-130.5	-18.1848	-133.1585
-129.5	-17.9353	-108.4458
-128.5	-17.6197	-92.7082
-127.5	-18.5499	-74.8398
-126.5	-18.2376	-65.1234
-125.5	-18.8132	-46.5079
-124.5	-18.8165	-21.1703
-123.5	-19.2179	0.1177
-122.5	-18.061	18.8991
-121.5	-17.473	36.1957
-120.5	-16.6753	51.3318
-119.5	-16.9402	67.7315
-118.5	-17.0979	76.789
-117.5	-17.19	98.3889
-116.5	-17.4045	105.1308
-115.5	-15.9032	126.8521
-114.5	-17.6674	139.8103
-113.5	-16.8331	152.9961
-112.5	-16.9985	167.5575
-111.5	-17.1144	177.2438
-110.5	-15.5679	-174.8083
-109.5	-16.0122	-165.6363
-108.5	-15.6839	-155.109
-107.5	-16.8046	-147.7175
-106.5	-16.773	-141.0757
-105.5	-17.0059	-124.1775
-104.5	-16.1588	-118.7482
-103.5	-15.9514	-108.5849
-102.5	-15.9987	-100.164
-101.5	-15.9824	-92.4954
-100.5	-15.7182	-89.6698
-99.5	-16.2761	-83.1569
-98.5	-15.8032	-75.8312
-97.5	-15.5322	-74.7723
-96.5	-16.6091	-67.9415
-95.5	-16.1394	-63.5736
-94.5	-16.2602	-61.3678
-93.5	-16.6187	-57.1569
-92.5	-17.6202	-55.5939
-91.5	-18.0106	-53.7316
-90.5	-19.6349	-54.9021
-89.5	-17.8111	-53.4028
-88.5	-20.3744	-60.2093
-87.5	-21.4181	-53.9539
-86.5	-21.6103	-56.2878
-85.5	-26.1586	-53.0184
-84.5	-27.3452	-61.9173
-83.5	-26.1281	-126.3564
-82.5	-32.3457	-149.0278
-81.5	-28.4624	175.7949
-80.5	-26.6785	156.6176
-79.5	-22.1141	149.9903
-78.5	-18.8269	150.4536
-77.5	-16.7696	150.4605
-76.5	-15.5876	147.1739
-75.5	-15.5236	143.7913
-74.5	-13.3823	138.7799
-73.5	-12.6768	145.7649
-72.5	-11.787	138.2984
-71.5	-11.6753	135.9468
-70.5	-12.1032	131.657
-69.5	-12.2988	125.9628
-68.5	-13.4481	118.604
-67.5	-14.8834	106.6786
-66.5	-16.3005	85.9365
-65.5	-17.5837	50.7118
-64.5	-14.9855	15.7716
-63.5	-11.7919	0.3735
-62.5	-9.237	-6.8518
-61.5	-7.2166	-14.8502
-60.5	-5.8568	-20.2184
-59.5	-4.6233	-22.1583
-58.5	-4.4775	-21.8796
-57.5	-4.4845	-22.0392
-56.5	-4.8832	-20.0154
-55.5	-5.5724	-17.9101
-54.5	-6.6941	-11.9893
-53.5	-8.154	-4.0756

-50.5	-11.7824	16.0784
-49.5	-11.2808	14.9859
-48.5	-10.9285	-3.1984
-47.5	-8.6601	-18.557
-46.5	-6.2595	-31.1237
-45.5	-3.4491	-38.6575
-44.5	-1.6003	-42.6593
-43.5	-0.4857	-44.8045
-42.5	-0.2715	-45.0852
-41.5	-0.9262	-42.7652
-40.5	-2.9745	-33.7596
-39.5	-6.5368	-6.2526
-38.5	-6.2698	44.2852
-37.5	-2.0171	73.762
-36.5	1.3749	84.4375
-35.5	2.9966	87.7995
-34.5	3.4393	87.4433
-33.5	2.4004	83.9735
-32.5	-0.5034	73.0779
-31.5	-5.6268	35.8338
-30.5	-3.3959	-36.2912
-29.5	1.6848	-58.4295
-28.5	4.2315	-67.18
-27.5	4.7907	-70.436
-26.5	3.1333	-72.6671
-25.5	-2.8644	-74.2007
-24.5	-11.3912	93.0531
-23.5	2.4535	98.746
-22.5	7.3874	97.8536
-21.5	9.3943	96.6991
-20.5	9.4906	95.7825
-19.5	7.2788	94.7605
-18.5	0.6766	92.9707
-17.5	-5.4456	-81.0732
-16.5	6.9631	-87.5137
-15.5	10.8599	-90.0624
-14.5	12.0621	-93.038
-13.5	10.9012	-97.964
-12.5	6.239	-112.0805
-11.5	1.0551	155.2124
-10.5	10.6818	109.712
-9.5	15.208	100.7138
-8.5	17.0251	95.7556
-7.5	16.6409	91.0652
-6.5	13.2048	81.5337
-5.5	4.6812	7.3702
-4.5	16.1857	-63.5207
-3.5	22.3286	-72.4565
-2.5	25.9595	-75.5669
-1.5	28.083	-76.8005
-0.5	29.2068	-77.142
0.5	29.4577	-76.8937
1.5	28.8687	-76.1313
2.5	27.4072	-74.7277
3.5	24.8389	-71.8259
4.5	20.7262	-66.0222
5.5	13.5875	-48.3757
6.5	7.6882	41.4043
7.5	13.9028	83.335
8.5	15.9844	93.8959
9.5	15.5452	100.5487
10.5	12.8836	109.3309
11.5	6.7626	131.6904
12.5	2.9542	-144.7439
13.5	8.7923	-103.9967
14.5	11.1754	-91.952
15.5	11.1686	-84.3411
16.5	9.0758	-76.927
17.5	3.848	-62.7305
18.5	-5.229	5.6712
19.5	2.3129	80.2286
20.5	5.8518	96.4438
21.5	6.4303	107.5555
22.5	4.9395	122.9433
23.5	1.9047	152.7287
24.5	1.3348	-156.4045
25.5	4.5354	-121.8692
26.5	6.0640	105.2807

29.5	4.926	-83.3573
30.5	0.2964	-76.4077
31.5	-11.8483	-52.189
32.5	-5.8884	94.4275
33.5	0.5037	105.7119
34.5	2.4406	112.8232
35.5	2.6223	120.9581
36.5	1.4914	133.9849
37.5	-1.0131	154.2213
38.5	-2.8475	-170.4795
39.5	-1.888	-131.7419
40.5	0.1371	-109.871
41.5	1.3641	-97.0578
42.5	1.204	-90.0974
43.5	0.1595	-86.1429
44.5	-2.9654	-85.0966
45.5	-8.8289	-96.1938
46.5	-13.4259	178.3378
47.5	-5.0523	144.3662
48.5	-0.8203	141.3848
49.5	1.4937	143.0955
50.5	2.993	149.0625
51.5	3.6635	155.8073
52.5	4.0459	163.755
53.5	3.9963	173.1745
54.5	3.8773	-176.3245
55.5	3.9362	-165.5351
56.5	3.8843	-154.3793
57.5	3.7089	-143.5673
58.5	3.5137	-134.3754
59.5	3.2688	-126.4571
60.5	2.9533	-118.656
61.5	2.3198	-112.8903
62.5	1.6	-106.6061
63.5	0.5581	-100.2426
64.5	-0.5446	-94.1788
65.5	-2.0045	-88.0424
66.5	-3.9554	-82.3944
67.5	-5.9116	-71.8643
68.5	-8.2791	-61.5311
69.5	-10.4346	-47.2067
70.5	-12.6915	-24.0007
71.5	-13.9791	-6.7579
72.5	-13.7234	18.3986
73.5	-13.5719	36.1065
74.5	-12.9571	45.8842
75.5	-12.2718	55.0359
76.5	-11.7008	56.3811
77.5	-12.3293	65.374
78.5	-12.3391	67.0606
79.5	-12.8649	72.3097
80.5	-12.8006	73.8212
81.5	-13.9245	77.5507
82.5	-14.4527	76.5238
83.5	-14.8325	80.9657
84.5	-16.2985	82.457
85.5	-16.6564	80.5379
86.5	-18.3917	86.7387
87.5	-18.3696	95.6632
88.5	-20.0143	91.8288
89.5	-19.9526	85.7632
90.5	-19.5588	98.972
91.5	-20.9973	106.4958
92.5	-22.1486	112.6503
93.5	-21.1637	114.2572
94.5	-21.5703	105.2574
95.5	-21.0302	116.0074
96.5	-21.0346	116.0688
97.5	-22.6657	116.5716
98.5	-22.6185	116.6902
99.5	-26.132	108.3608
100.5	-26.2847	100.1797
101.5	-24.4972	91.4989
102.5	-25.773	70.8679
103.5	-27.5433	42.8718
104.5	-26.0757	43.0461
105.5	-26.0008	36.3811
106.5	22.2525	14.4058

109.5	-23.6493	-2.5354
110.5	-24.7399	-21.9795
111.5	-23.6761	-29.1618
112.5	-26.2161	-40.2588
113.5	-24.7858	-56.0275
114.5	-25.3582	-53.7203
115.5	-26.4422	-49.8931
116.5	-27.1033	-68.0145
117.5	-34.7478	-77.3872
118.5	-31.0076	-104.3727
119.5	-31.0548	-159.7881
120.5	-34.9916	-158.7109
121.5	-35.2017	160.2735
122.5	-39.0812	149.3338
123.5	-26.3235	144.5822
124.5	-27.8417	135.8584
125.5	-32.0531	137.6722
126.5	-29.2026	110.5996
127.5	-30.1257	121.7311
128.5	-35.5545	155.3123
129.5	-34.4326	-177.4833
130.5	-42.3873	-152.2014
131.5	-41.5006	11.3041
132.5	-30.7878	-71.3804
133.5	-31.0653	-86.4348
134.5	-36.7846	-22.4715
135.5	-33.5577	-41.0052
136.5	-42.3286	-72.0289
137.5	-35.6746	-75.4168
138.5	-38.0082	-118.6137
139.5	-33.6133	-74.9657
140.5	-40.7371	-18.2313
141.5	-40.5231	-94.1245
142.5	-32.6587	-79.2986
143.5	-40.5294	16.6087
144.5	-40.6058	-88.1844
145.5	-38.0671	1.4591
146.5	-35.4695	90.4796
147.5	-35.8342	-90.5626
148.5	-48.4446	-8.3107
149.5	-38.7206	-65.2704
150.5	-39.9426	-22.8133
151.5	-37.9327	-69.3417
152.5	-35.3572	-89.7209
153.5	-31.0989	-75.8001
154.5	-31.4807	-54.684
155.5	-30.1716	-104.5906
156.5	-39.5999	-76.1138
157.5	-36.9673	-112.326
158.5	-40.2983	-112.7257
159.5	-35.9456	-77.389
160.5	-36.9229	-151.0312
161.5	-42.9844	172.4233
162.5	-37.2298	-49.4707
163.5	-33.8505	-74.8135
164.5	-33.5616	-52.2579
165.5	-34.4702	-60.0605
166.5	-44.3096	-133.5414
167.5	-39.7603	-109.1278
168.5	-30.6838	-133.3813
169.5	-29.3967	-156.848
170.5	-29.6102	-155.2498
171.5	-33.9878	132.7078
172.5	-31.9312	154.7272
173.5	-36.9308	137.6239
174.5	-42.0664	45.6365
175.5	-34.6581	146.9603
176.5	-51.5803	94.8404
177.5	-34.7695	-162.4453
178.5	-32.0336	-101.551
179.5	-29.7637	-126.8682