

MA-WA55-30

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

ROLL	90.00	[deg]	
Frequency	5.150	G	[GHz]
POL	90.00	[deg]	
Ch.	CH1		
Beam			
Switch			
Gain	29.51	dBi	
AZ [deg]		Amplitude [dB]	Phase [deg]
-179.5000	-28.0316	-104.9151	
-178.5000	-29.8156	-88.3414	
-177.5000	-28.1781	-93.3924	
-176.5000	-43.5960	-46.3020	
-175.5000	-43.1363	44.2964	
-174.5000	-30.5463	70.9690	
-173.5000	-25.7882	70.2771	
-172.5000	-26.1762	97.7360	
-171.5000	-29.3011	123.1408	
-170.5000	-30.5558	135.6667	
-169.5000	-26.2958	-152.9879	
-168.5000	-26.1300	-90.1141	
-167.5000	-29.6307	-65.1919	
-166.5000	-27.1524	-42.0784	
-165.5000	-23.4854	-8.6441	
-164.5000	-26.4970	-3.2101	
-163.5000	-24.9600	48.1934	
-162.5000	-24.6199	102.1812	
-161.5000	-24.0383	128.8332	
-160.5000	-24.6502	159.6128	
-159.5000	-21.8297	-178.7133	
-158.5000	-23.2235	-155.3877	
-157.5000	-22.4370	-112.1241	
-156.5000	-22.5895	-90.4760	
-155.5000	-21.7012	-53.4714	
-154.5000	-22.2685	-23.0167	
-153.5000	-22.1108	-0.0586	
-152.5000	-21.5690	23.0628	
-151.5000	-21.4510	57.2969	
-150.5000	-20.8808	80.6687	
-149.5000	-21.7873	109.4285	
-148.5000	-21.6929	141.1349	
-147.5000	-21.0288	162.0171	
-146.5000	-22.5435	-163.4174	
-145.5000	-22.3578	-140.4116	
-144.5000	-21.4192	-116.8683	
-143.5000	-22.1605	-84.5898	
-142.5000	-20.6732	-49.2691	
-141.5000	-20.7616	-25.9055	
-140.5000	-20.6598	-1.0939	
-139.5000	-19.4210	26.5061	
-138.5000	-19.1601	49.4942	
-137.5000	-19.3191	78.1846	
-136.5000	-18.3545	87.8758	
-135.5000	-18.9801	114.2639	
-134.5000	-19.0532	133.7075	
-133.5000	-20.1025	157.6241	
-132.5000	-19.3122	-170.5705	
-131.5000	-19.3235	-153.1749	
-130.5000	-18.1848	-133.1585	
-129.5000	-17.9353	-108.4458	
-128.5000	-17.6197	-92.7082	
-127.5000	-18.5499	-74.8398	
-126.5000	-18.2376	-65.1234	
-125.5000	-18.8132	-46.5079	
-124.5000	-18.8165	-21.1703	
-123.5000	-19.2179	0.1177	

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-122.5000	-18.0610	18.8991
-121.5000	-17.4730	36.1957
-120.5000	-16.6753	51.3318
-119.5000	-16.9402	67.7315
-118.5000	-17.0979	76.7890
-117.5000	-17.1900	98.3889
-116.5000	-17.4045	105.1308
-115.5000	-15.9032	126.8521
-114.5000	-17.6674	139.8103
-113.5000	-16.8331	152.9961
-112.5000	-16.9985	167.5575
-111.5000	-17.1144	177.2438
-110.5000	-15.5679	-174.8083
-109.5000	-16.0122	-165.6363
-108.5000	-15.6839	-155.1090
-107.5000	-16.8046	-147.7175
-106.5000	-16.7730	-141.0757
-105.5000	-17.0059	-124.1775
-104.5000	-16.1588	-118.7482
-103.5000	-15.9514	-108.5849
-102.5000	-15.9987	-100.1640
-101.5000	-15.9824	-92.4954
-100.5000	-15.7182	-89.6698
-99.5000	-16.2761	-83.1569
-98.5000	-15.8032	-75.8312
-97.5000	-15.5322	-74.7723
-96.5000	-16.6091	-67.9415
-95.5000	-16.1394	-63.5736
-94.5000	-16.2602	-61.3678
-93.5000	-16.6187	-57.1569
-92.5000	-17.6202	-55.5939
-91.5000	-18.0106	-53.7316
-90.5000	-19.6349	-54.9021
-89.5000	-17.8111	-53.4028
-88.5000	-20.3744	-60.2093
-87.5000	-21.4181	-53.9539
-86.5000	-21.6103	-56.2878
-85.5000	-26.1586	-53.0184
-84.5000	-27.3452	-61.9173
-83.5000	-26.1281	-126.3564
-82.5000	-32.3457	-149.0278
-81.5000	-28.4624	175.7949
-80.5000	-26.6785	156.6176
-79.5000	-22.1141	149.9903
-78.5000	-18.8269	150.4536
-77.5000	-16.7696	150.4605
-76.5000	-15.5876	147.1739
-75.5000	-15.5236	143.7913
-74.5000	-13.3823	138.7799
-73.5000	-12.6768	145.7649
-72.5000	-11.7870	138.2984
-71.5000	-11.6753	135.9468
-70.5000	-12.1032	131.6570
-69.5000	-12.2988	125.9628
-68.5000	-13.4481	118.6040
-67.5000	-14.8834	106.6786
-66.5000	-16.3005	85.9365
-65.5000	-17.5837	50.7118
-64.5000	-14.9855	15.7716
-63.5000	-11.7919	0.3735
-62.5000	-9.2370	-6.8518
-61.5000	-7.2166	-14.8502
-60.5000	-5.8568	-20.2184
-59.5000	-4.6233	-22.1583
-58.5000	-4.4775	-21.8796
-57.5000	-4.4845	-22.0392
-56.5000	-4.8832	-20.0154
-55.5000	-5.5724	-17.9101

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-11.9893

-54.5000	-6.6941	
-53.5000	-8.1540	-4.9756
-52.5000	-9.7449	1.8441
-51.5000	-10.9396	9.6400
-50.5000	-11.7824	16.0784
-49.5000	-11.2808	14.9859
-48.5000	-10.9285	-3.1984
-47.5000	-8.6601	-18.5570
-46.5000	-6.2595	-31.1237
-45.5000	-3.4491	-38.6575
-44.5000	-1.6003	-42.6593
-43.5000	-0.4857	-44.8045
-42.5000	-0.2715	-45.0852
-41.5000	-0.9262	-42.7652
-40.5000	-2.9745	-33.7596
-39.5000	-6.5368	-6.2526
-38.5000	-6.2698	44.2852
-37.5000	-2.0171	73.7620
-36.5000	1.3749	84.4375
-35.5000	2.9966	87.7995
-34.5000	3.4393	87.4433
-33.5000	2.4004	83.9735
-32.5000	-0.5034	73.0779
-31.5000	-5.6268	35.8338
-30.5000	-3.3959	-36.2912
-29.5000	1.6848	-58.4295
-28.5000	4.2315	-67.1800
-27.5000	4.7907	-70.4360
-26.5000	3.1333	-72.6671
-25.5000	-2.8644	-74.2007
-24.5000	-11.3912	93.0531
-23.5000	2.4535	98.7460
-22.5000	7.3874	97.8536
-21.5000	9.3943	96.6991
-20.5000	9.4906	95.7825
-19.5000	7.2788	94.7605
-18.5000	0.6766	92.9707
-17.5000	-5.4456	-81.0732
-16.5000	6.9631	-87.5137
-15.5000	10.8599	-90.0624
-14.5000	12.0621	-93.0380
-13.5000	10.9012	-97.9640
-12.5000	6.2390	-112.0805
-11.5000	1.0551	155.2124
-10.5000	10.6818	109.7120
-9.5000	15.2080	100.7138
-8.5000	17.0251	95.7556
-7.5000	16.6409	91.0652
-6.5000	13.2048	81.5337
-5.5000	4.6812	7.3702
-4.5000	16.1857	-63.5207
-3.5000	22.3286	-72.4565
-2.5000	25.9595	-75.5669
-1.5000	28.0830	-76.8005
-0.5000	29.2068	-77.1420
0.5000	29.4577	-76.8937
1.5000	28.8687	-76.1313
2.5000	27.4072	-74.7277
3.5000	24.8389	-71.8259
4.5000	20.7262	-66.0222
5.5000	13.5875	-48.3757
6.5000	7.6882	41.4043
7.5000	13.9028	83.3350
8.5000	15.9844	93.8959
9.5000	15.5452	100.5487
10.5000	12.8836	109.3309
11.5000	6.7626	131.6904
12.5000	2.9542	-144.7439

13.5000	8.7923	-103.9967	
14.5000	11.1754	-91.9520	
15.5000	11.1686	-84.3411	
16.5000	9.0758	-76.9270	
17.5000	3.8480	-62.7305	
18.5000	-5.2290	5.6712	
19.5000	2.3129	80.2286	
20.5000	5.8518	96.4438	
21.5000	6.4303	107.5555	
22.5000	4.9395	122.9433	
23.5000	1.9047	152.7287	
24.5000	1.3348	-156.4045	
25.5000	4.5354	-121.8692	
26.5000	6.9649	-105.2897	
27.5000	7.8062	-96.0025	
28.5000	7.1292	-89.4223	
29.5000	4.9260	-83.3573	
30.5000	0.2964	-76.4077	
31.5000	-11.8483		-52.1890
32.5000	-5.8884	94.4275	
33.5000	0.5037	105.7119	
34.5000	2.4406	112.8232	
35.5000	2.6223	120.9581	
36.5000	1.4914	133.9849	
37.5000	-1.0131	154.2213	
38.5000		-2.8475	-170.4795
39.5000	-1.8880	-131.7419	
40.5000	0.1371	-109.8710	
41.5000	1.3641	-97.0578	
42.5000	1.2040	-90.0974	
43.5000	0.1595	-86.1429	
44.5000	-2.9654	-85.0966	
45.5000	-8.8289	-96.1938	
46.5000	-13.4259		178.3378
47.5000	-5.0523	144.3662	
48.5000	-0.8203	141.3848	
49.5000	1.4937	143.0955	
50.5000	2.9930	149.0625	
51.5000	3.6635	155.8073	
52.5000	4.0459	163.7550	
53.5000	3.9963	173.1745	
54.5000	3.8773	-176.3245	
55.5000	3.9362	-165.5351	
56.5000	3.8843	-154.3793	
57.5000	3.7089	-143.5673	
58.5000	3.5137	-134.3754	
59.5000	3.2688	-126.4571	
60.5000	2.9533	-118.6560	
61.5000	2.3198	-112.8903	
62.5000	1.6000	-106.6061	
63.5000	0.5581	-100.2426	
64.5000	-0.5446	-94.1788	
65.5000	-2.0045	-88.0424	
66.5000	-3.9554	-82.3944	
67.5000	-5.9116	-71.8643	
68.5000	-8.2791	-61.5311	
69.5000	-10.4346	-47.2067	
70.5000	-12.6915	-24.0007	
71.5000	-13.9791	-6.7579	
72.5000	-13.7234	18.3986	
73.5000	-13.5719	36.1065	
74.5000	-12.9571	45.8842	
75.5000	-12.2718	55.0359	
76.5000	-11.7008	56.3811	
77.5000	-12.3293	65.3740	
78.5000	-12.3391	67.0606	
79.5000	-12.8649	72.3097	
80.5000	-12.8006	73.8212	

81.5000	-13.9245	77.5507
82.5000	-14.4527	76.5238
83.5000	-14.8325	80.9657
84.5000	-16.2985	82.4570
85.5000	-16.6564	80.5379
86.5000	-18.3917	86.7387
87.5000	-18.3696	95.6632
88.5000	-20.0143	91.8288
89.5000	-19.9526	85.7632
90.5000	-19.5588	98.9720
91.5000	-20.9973	106.4958
92.5000	-22.1486	112.6503
93.5000	-21.1637	114.2572
94.5000	-21.5703	105.2574
95.5000	-21.0302	116.0074
96.5000	-21.0346	116.0688
97.5000	-22.6657	116.5716
98.5000	-22.6185	116.6902
99.5000	-26.1320	108.3608
100.5000	-26.2847	100.1797
101.5000	-24.4972	91.4989
102.5000	-25.7730	70.8679
103.5000	-27.5433	42.8718
104.5000	-26.0757	43.0461
105.5000	-26.0008	36.3811
106.5000	-23.2525	14.4058
107.5000	-25.0701	8.6613
108.5000	-24.4247	7.8829
109.5000	-23.6493	-2.5354
110.5000	-24.7399	-21.9795
111.5000	-23.6761	-29.1618
112.5000	-26.2161	-40.2588
113.5000	-24.7858	-56.0275
114.5000	-25.3582	-53.7203
115.5000	-26.4422	-49.8931
116.5000	-27.1033	-68.0145
117.5000	-34.7478	-77.3872
118.5000	-31.0076	-104.3727
119.5000	-31.0548	-159.7881
120.5000	-34.9916	-158.7109
121.5000	-35.2017	160.2735
122.5000	-39.0812	149.3338
123.5000	-26.3235	144.5822
124.5000	-27.8417	135.8584
125.5000	-32.0531	137.6722
126.5000	-29.2026	110.5996
127.5000	-30.1257	121.7311
128.5000	-35.5545	155.3123
129.5000	-34.4326	-177.4833
130.5000	-42.3873	-152.2014
131.5000	-41.5006	11.3041
132.5000	-30.7878	-71.3804
133.5000	-31.0653	-86.4348
134.5000	-36.7846	-22.4715
135.5000	-33.5577	-41.0052
136.5000	-42.3286	-72.0289
137.5000	-35.6746	-75.4168
138.5000	-38.0082	-118.6137
139.5000	-33.6133	-74.9657
140.5000	-40.7371	-18.2313
141.5000	-40.5231	-94.1245
142.5000	-32.6587	-79.2986
143.5000	-40.5294	16.6087
144.5000	-40.6058	-88.1844
145.5000	-38.0671	1.4591
146.5000	-35.4695	90.4796
147.5000	-35.8342	-90.5626
148.5000	-48.4446	-8.3107

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149.5000	-38.7206	-65.2704
150.5000	-39.9426	-22.8133
151.5000	-37.9327	-69.3417
152.5000	-35.3572	-89.7209
153.5000	-31.0989	-75.8001
154.5000	-31.4807	-54.6840
155.5000	-30.1716	-104.5906
156.5000	-39.5999	-76.1138
157.5000	-36.9673	-112.3260
158.5000	-40.2983	-112.7257
159.5000	-35.9456	-77.3890
160.5000	-36.9229	-151.0312
161.5000	-42.9844	172.4233
162.5000	-37.2298	-49.4707
163.5000	-33.8505	-74.8135
164.5000	-33.5616	-52.2579
165.5000	-34.4702	-60.0605
166.5000	-44.3096	-133.5414
167.5000	-39.7603	-109.1278
168.5000	-30.6838	-133.3813
169.5000	-29.3967	-156.8480
170.5000	-29.6102	-155.2498
171.5000	-33.9878	132.7078
172.5000	-31.9312	154.7272
173.5000	-36.9308	137.6239
174.5000	-42.0664	45.6365
175.5000	-34.6581	146.9603
176.5000	-51.5803	94.8404
177.5000	-34.7695	-162.4453
178.5000	-32.0336	-101.5510
179.5000	-29.7637	-126.8682