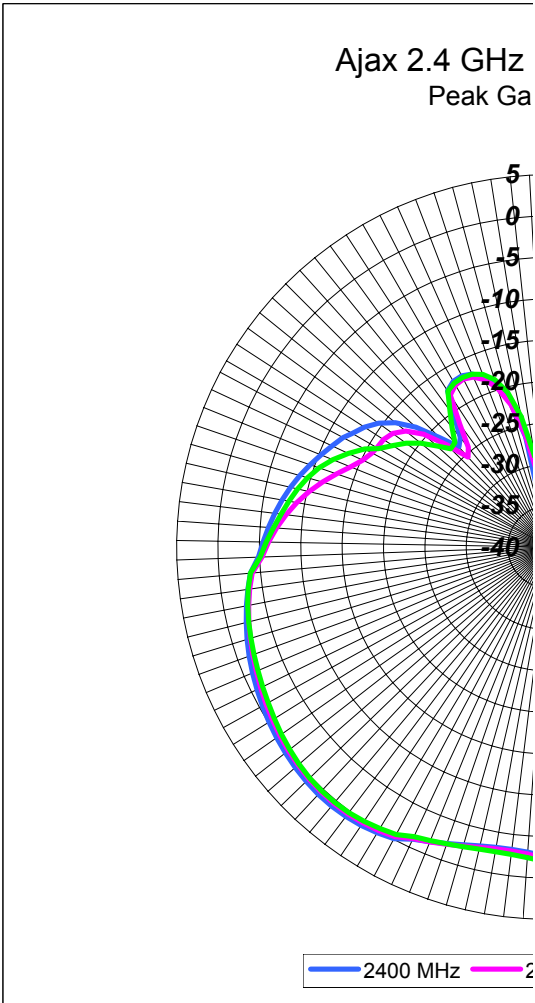


2400 MHz

Phi	Phi, deg	Theta	Theta, deg	E(Theta) . Amp dB
0.733038	42	-3.141593	-180	-22.43953
0.733038	42	-3.089233	-177	-18.58729
0.733038	42	-3.036873	-174	-16.02564
0.733038	42	-2.984513	-171	-14.16824
0.733038	42	-2.932153	-168	-12.74031
0.733038	42	-2.879793	-165	-11.55944
0.733038	42	-2.827433	-162	-10.4741
0.733038	42	-2.775074	-159	-9.352059
0.733038	42	-2.722714	-156	-8.132137
0.733038	42	-2.670354	-153	-6.845032
0.733038	42	-2.617994	-150	-5.607586
0.733038	42	-2.565634	-147	-3.772823
0.733038	42	-2.513274	-144	-3.335105
0.733038	42	-2.460914	-141	-3.277949
0.733038	42	-2.408554	-138	-3.630517
0.733038	42	-2.356194	-135	-4.416316
0.733038	42	-2.303835	-132	-5.657346
0.733038	42	-2.251475	-129	-7.352084
0.733038	42	-2.199115	-126	-9.406442
0.733038	42	-2.146755	-123	-11.40479
0.733038	42	-2.094395	-120	-12.40577
0.733038	42	-2.042035	-117	-11.86658
0.733038	42	-1.989675	-114	-10.49272
0.733038	42	-1.937315	-111	-9.001463
0.733038	42	-1.884956	-108	-7.62769
0.733038	42	-1.832596	-105	-6.412847
0.733038	42	-1.780236	-102	-5.351826
0.733038	42	-1.727876	-99	-4.422737
0.733038	42	-1.675516	-96	-3.592489
0.733038	42	-1.623156	-93	-2.824927
0.733038	42	-1.570796	-90	-2.083532
0.733038	42	-1.518436	-87	-0.625886
0.733038	42	-1.466077	-84	0.071589
0.733038	42	-1.413717	-81	0.702383
0.733038	42	-1.361357	-78	1.251748
0.733038	42	-1.308997	-75	1.704976
0.733038	42	-1.256637	-72	2.064181
0.733038	42	-1.204277	-69	2.335951
0.733038	42	-1.151917	-66	2.542534
0.733038	42	-1.099557	-63	2.70761
0.733038	42	-1.047198	-60	2.839184
0.733038	42	-0.994838	-57	2.955065
0.733038	42	-0.942478	-54	3.040207
0.733038	42	-0.890118	-51	3.076528
0.733038	42	-0.837758	-48	3.060302



0.733038	42	-0.785398	-45	2.961585
0.733038	42	-0.733038	-42	2.783437
0.733038	42	-0.680678	-39	2.522862
0.733038	42	-0.628319	-36	2.198424
0.733038	42	-0.575959	-33	1.839687
0.733038	42	-0.523599	-30	1.477944
0.733038	42	-0.471239	-27	0.84107
0.733038	42	-0.418879	-24	0.579043
0.733038	42	-0.366519	-21	0.337554
0.733038	42	-0.314159	-18	0.092298
0.733038	42	-0.261799	-15	-0.181697
0.733038	42	-0.20944	-12	-0.5049
0.733038	42	-0.15708	-9	-0.887763
0.733038	42	-0.10472	-6	-1.325812
0.733038	42	-0.05236	-3	-1.802334
0.733038	42	0	0	-2.281534
0.733038	42	0.05236	3	-2.711062
0.733038	42	0.10472	6	-3.032478
0.733038	42	0.15708	9	-3.19138
0.733038	42	0.20944	12	-3.159722
0.733038	42	0.261799	15	-2.945471
0.733038	42	0.314159	18	-2.579733
0.733038	42	0.366519	21	-2.112067
0.733038	42	0.418879	24	-1.589633
0.733038	42	0.471239	27	-1.054992
0.733038	42	0.523599	30	-0.086389
0.733038	42	0.575959	33	0.292336
0.733038	42	0.628319	36	0.58237
0.733038	42	0.680678	39	0.769883
0.733038	42	0.733038	42	0.856382
0.733038	42	0.785398	45	0.854949
0.733038	42	0.837758	48	0.76777
0.733038	42	0.890118	51	0.610162
0.733038	42	0.942478	54	0.404814
0.733038	42	0.994838	57	0.161227
0.733038	42	1.047198	60	-0.112319
0.733038	42	1.099557	63	-0.411168
0.733038	42	1.151917	66	-0.733573
0.733038	42	1.204277	69	-1.083728
0.733038	42	1.256637	72	-1.460132
0.733038	42	1.308997	75	-1.866744
0.733038	42	1.361357	78	-2.303162
0.733038	42	1.413717	81	-2.769426
0.733038	42	1.466077	84	-3.266033
0.733038	42	1.518436	87	-3.787423
0.733038	42	1.570796	90	-4.886944
0.733038	42	1.623156	93	-5.454348
0.733038	42	1.675516	96	-6.028596
0.733038	42	1.727876	99	-6.623098
0.733038	42	1.780236	102	-7.253977
0.733038	42	1.832596	105	-7.936676

0.733038	42	1.884956	108	-8.682299
0.733038	42	1.937315	111	-9.477755
0.733038	42	1.989675	114	-10.29162
0.733038	42	2.042035	117	-11.07745
0.733038	42	2.094395	120	-11.82092
0.733038	42	2.146755	123	-12.56
0.733038	42	2.199115	126	-13.41133
0.733038	42	2.251475	129	-14.53403
0.733038	42	2.303835	132	-16.1203
0.733038	42	2.356194	135	-18.35639
0.733038	42	2.408554	138	-21.28399
0.733038	42	2.460914	141	-23.72708
0.733038	42	2.513274	144	-22.96495
0.733038	42	2.565634	147	-20.58081
0.733038	42	2.617994	150	-17.48991
0.733038	42	2.670354	153	-16.89034
0.733038	42	2.722714	156	-16.78369
0.733038	42	2.775074	159	-17.1288
0.733038	42	2.827433	162	-17.96145
0.733038	42	2.879793	165	-19.4347
0.733038	42	2.932153	168	-21.90348
0.733038	42	2.984513	171	-26.41114
0.733038	42	3.036873	174	-38.2411
0.733038	42	3.089233	177	-29.56302
0.733038	42	3.141593	180	-22.43953

Peak Gain 3.076528

2

ency=2450(MHz)

Phi		Theta	E(Theta) . Amp dB	
0.733038	42	-3.141593	-180	-22.44734
0.733038	42	-3.089233	-177	-19.2549
0.733038	42	-3.036873	-174	-17.00316
0.733038	42	-2.984513	-171	-15.25991
0.733038	42	-2.932153	-168	-13.7937
0.733038	42	-2.879793	-165	-12.47088
0.733038	42	-2.827433	-162	-11.17972
0.733038	42	-2.775074	-159	-9.839221
0.733038	42	-2.722714	-156	-8.429713
0.733038	42	-2.670354	-153	-7.014708
0.733038	42	-2.617994	-150	-5.71542
0.733038	42	-2.565634	-147	-3.900674
0.733038	42	-2.513274	-144	-3.52347
0.733038	42	-2.460914	-141	-3.55116
0.733038	42	-2.408554	-138	-4.009598

0.733038	42	-2.356194	-135	-4.923696
0.733038	42	-2.303835	-132	-6.315472
0.733038	42	-2.251475	-129	-8.173381
0.733038	42	-2.199115	-126	-10.33748
0.733038	42	-2.146755	-123	-12.19934
0.733038	42	-2.094395	-120	-12.73031
0.733038	42	-2.042035	-117	-11.85316
0.733038	42	-1.989675	-114	-10.4706
0.733038	42	-1.937315	-111	-9.079471
0.733038	42	-1.884956	-108	-7.781155
0.733038	42	-1.832596	-105	-6.57749
0.733038	42	-1.780236	-102	-5.471786
0.733038	42	-1.727876	-99	-4.473065
0.733038	42	-1.675516	-96	-3.575071
0.733038	42	-1.623156	-93	-2.756819
0.733038	42	-1.570796	-90	-1.987957
0.733038	42	-1.518436	-87	-0.53166
0.733038	42	-1.466077	-84	0.150711
0.733038	42	-1.413717	-81	0.778053
0.733038	42	-1.361357	-78	1.329239
0.733038	42	-1.308997	-75	1.790653
0.733038	42	-1.256637	-72	2.159163
0.733038	42	-1.204277	-69	2.445477
0.733038	42	-1.151917	-66	2.66229
0.733038	42	-1.099557	-63	2.833021
0.733038	42	-1.047198	-60	2.977025
0.733038	42	-0.994838	-57	3.09583
0.733038	42	-0.942478	-54	3.184632
0.733038	42	-0.890118	-51	3.240079
0.733038	42	-0.837758	-48	3.225667
0.733038	42	-0.785398	-45	3.138211
0.733038	42	-0.733038	-42	2.956545
0.733038	42	-0.680678	-39	2.690178
0.733038	42	-0.628319	-36	2.340584
0.733038	42	-0.575959	-33	1.950174
0.733038	42	-0.523599	-30	1.544963
0.733038	42	-0.471239	-27	0.840768
0.733038	42	-0.418879	-24	0.585381
0.733038	42	-0.366519	-21	0.374031
0.733038	42	-0.314159	-18	0.185744
0.733038	42	-0.261799	-15	-0.016202
0.733038	42	-0.20944	-12	-0.265891
0.733038	42	-0.15708	-9	-0.586567
0.733038	42	-0.10472	-6	-0.988334
0.733038	42	-0.05236	-3	-1.45895
0.733038	42	0	0	-1.962444
0.733038	42	0.05236	3	-2.437164
0.733038	42	0.10472	6	-2.804916
0.733038	42	0.15708	9	-2.996771
0.733038	42	0.20944	12	-2.978886
0.733038	42	0.261799	15	-2.772217

0.733038	42	0.314159	18	-2.430657
0.733038	42	0.366519	21	-2.015615
0.733038	42	0.418879	24	-1.574982
0.733038	42	0.471239	27	-1.140571
0.733038	42	0.523599	30	-0.365398
0.733038	42	0.575959	33	-0.053101
0.733038	42	0.628319	36	0.190726
0.733038	42	0.680678	39	0.355636
0.733038	42	0.733038	42	0.434028
0.733038	42	0.785398	45	0.426258
0.733038	42	0.837758	48	0.335475
0.733038	42	0.890118	51	0.173395
0.733038	42	0.942478	54	-0.047181
0.733038	42	0.994838	57	-0.311753
0.733038	42	1.047198	60	-0.606907
0.733038	42	1.099557	63	-0.922861
0.733038	42	1.151917	66	-1.251541
0.733038	42	1.204277	69	-1.586111
0.733038	42	1.256637	72	-1.926611
0.733038	42	1.308997	75	-2.274473
0.733038	42	1.361357	78	-2.639099
0.733038	42	1.413717	81	-3.035738
0.733038	42	1.466077	84	-3.483285
0.733038	42	1.518436	87	-3.998592
0.733038	42	1.570796	90	-5.304241
0.733038	42	1.623156	93	-6.108339
0.733038	42	1.675516	96	-7.007718
0.733038	42	1.727876	99	-8.000834
0.733038	42	1.780236	102	-9.081457
0.733038	42	1.832596	105	-10.25852
0.733038	42	1.884956	108	-11.52622
0.733038	42	1.937315	111	-12.85841
0.733038	42	1.989675	114	-14.14845
0.733038	42	2.042035	117	-15.1862
0.733038	42	2.094395	120	-15.78206
0.733038	42	2.146755	123	-16.00258
0.733038	42	2.199115	126	-16.1704
0.733038	42	2.251475	129	-16.6521
0.733038	42	2.303835	132	-17.73474
0.733038	42	2.356194	135	-19.64404
0.733038	42	2.408554	138	-22.53501
0.733038	42	2.460914	141	-25.3904
0.733038	42	2.513274	144	-24.52631
0.733038	42	2.565634	147	-21.64084
0.733038	42	2.617994	150	-18.09074
0.733038	42	2.670354	153	-17.40045
0.733038	42	2.722714	156	-17.23553
0.733038	42	2.775074	159	-17.53763
0.733038	42	2.827433	162	-18.34682
0.733038	42	2.879793	165	-19.7958
0.733038	42	2.932153	168	-22.18834

0.733038	42	2.984513	171	-26.11465
0.733038	42	3.036873	174	-30.88504
0.733038	42	3.089233	177	-27.28087
0.733038	42	3.141593	180	-22.44734
Peak Gain				3.240079

0.733038	42	-3.141593	-180	-22.90754
0.733038	42	-3.089233	-177	-19.71329
0.733038	42	-3.036873	-174	-17.68979
0.733038	42	-2.984513	-171	-16.2738
0.733038	42	-2.932153	-168	-15.07375
0.733038	42	-2.879793	-165	-13.82554
0.733038	42	-2.827433	-162	-12.38561
0.733038	42	-2.775074	-159	-10.76238
0.733038	42	-2.722714	-156	-9.065586
0.733038	42	-2.670354	-153	-7.448298
0.733038	42	-2.617994	-150	-6.044115
0.733038	42	-2.565634	-147	-4.200521
0.733038	42	-2.513274	-144	-3.838572
0.733038	42	-2.460914	-141	-3.875379
0.733038	42	-2.408554	-138	-4.321525
0.733038	42	-2.356194	-135	-5.193455
0.733038	42	-2.303835	-132	-6.51562
0.733038	42	-2.251475	-129	-8.320228
0.733038	42	-2.199115	-126	-10.59444
0.733038	42	-2.146755	-123	-13.08003
0.733038	42	-2.094395	-120	-14.71468
0.733038	42	-2.042035	-117	-14.23745
0.733038	42	-1.989675	-114	-12.51456
0.733038	42	-1.937315	-111	-10.72614
0.733038	42	-1.884956	-108	-9.183629
0.733038	42	-1.832596	-105	-7.860633
0.733038	42	-1.780236	-102	-6.683876
0.733038	42	-1.727876	-99	-5.596758
0.733038	42	-1.675516	-96	-4.562773
0.733038	42	-1.623156	-93	-3.569031
0.733038	42	-1.570796	-90	-2.614016
0.733038	42	-1.518436	-87	-0.864602
0.733038	42	-1.466077	-84	-0.101637
0.733038	42	-1.413717	-81	0.57014
0.733038	42	-1.361357	-78	1.142127
0.733038	42	-1.308997	-75	1.604204
0.733038	42	-1.256637	-72	1.975834
0.733038	42	-1.204277	-69	2.261181
0.733038	42	-1.151917	-66	2.473384
0.733038	42	-1.099557	-63	2.633075
0.733038	42	-1.047198	-60	2.754816
0.733038	42	-0.994838	-57	2.855846
0.733038	42	-0.942478	-54	2.921034

0.733038	42	-0.890118	-51	2.96063
0.733038	42	-0.837758	-48	2.949234
0.733038	42	-0.785398	-45	2.881183
0.733038	42	-0.733038	-42	2.74474
0.733038	42	-0.680678	-39	2.533082
0.733038	42	-0.628319	-36	2.263385
0.733038	42	-0.575959	-33	1.952549
0.733038	42	-0.523599	-30	1.631409
0.733038	42	-0.471239	-27	1.056288
0.733038	42	-0.418879	-24	0.840294
0.733038	42	-0.366519	-21	0.657489
0.733038	42	-0.314159	-18	0.485603
0.733038	42	-0.261799	-15	0.29288
0.733038	42	-0.20944	-12	0.048057
0.733038	42	-0.15708	-9	-0.269045
0.733038	42	-0.10472	-6	-0.660702
0.733038	42	-0.05236	-3	-1.111609
0.733038	42	0	0	-1.585248
0.733038	42	0.05236	3	-2.028238
0.733038	42	0.10472	6	-2.378422
0.733038	42	0.15708	9	-2.588397
0.733038	42	0.20944	12	-2.640326
0.733038	42	0.261799	15	-2.548
0.733038	42	0.314159	18	-2.347102
0.733038	42	0.366519	21	-2.072094
0.733038	42	0.418879	24	-1.750794
0.733038	42	0.471239	27	-1.398077
0.733038	42	0.523599	30	-0.66464
0.733038	42	0.575959	33	-0.327543
0.733038	42	0.628319	36	-0.044943
0.733038	42	0.680678	39	0.159827
0.733038	42	0.733038	42	0.269861
0.733038	42	0.785398	45	0.277132
0.733038	42	0.837758	48	0.184917
0.733038	42	0.890118	51	0.003144
0.733038	42	0.942478	54	-0.24871
0.733038	42	0.994838	57	-0.549564
0.733038	42	1.047198	60	-0.874706
0.733038	42	1.099557	63	-1.20355
0.733038	42	1.151917	66	-1.518898
0.733038	42	1.204277	69	-1.81235
0.733038	42	1.256637	72	-2.08346
0.733038	42	1.308997	75	-2.344885
0.733038	42	1.361357	78	-2.618592
0.733038	42	1.413717	81	-2.933071
0.733038	42	1.466077	84	-3.318272
0.733038	42	1.518436	87	-3.801252
0.733038	42	1.570796	90	-5.082817
0.733038	42	1.623156	93	-5.844232
0.733038	42	1.675516	96	-6.627376
0.733038	42	1.727876	99	-7.38637

0.733038	42	1.780236	102	-8.110818
0.733038	42	1.832596	105	-8.839416
0.733038	42	1.884956	108	-9.648988
0.733038	42	1.937315	111	-10.62744
0.733038	42	1.989675	114	-11.83039
0.733038	42	2.042035	117	-13.25099
0.733038	42	2.094395	120	-14.78124
0.733038	42	2.146755	123	-16.23141
0.733038	42	2.199115	126	-17.48138
0.733038	42	2.251475	129	-18.6618
0.733038	42	2.303835	132	-20.05298
0.733038	42	2.356194	135	-21.76052
0.733038	42	2.408554	138	-23.19834
0.733038	42	2.460914	141	-23.0138
0.733038	42	2.513274	144	-21.37758
0.733038	42	2.565634	147	-19.6522
0.733038	42	2.617994	150	-17.56624
0.733038	42	2.670354	153	-17.12935
0.733038	42	2.722714	156	-16.99168
0.733038	42	2.775074	159	-17.14538
0.733038	42	2.827433	162	-17.66148
0.733038	42	2.879793	165	-18.72273
0.733038	42	2.932153	168	-20.63777
0.733038	42	2.984513	171	-23.94349
0.733038	42	3.036873	174	-28.88706
0.733038	42	3.089233	177	-27.86039
0.733038	42	3.141593	180	-22.90754

Peak Gain 2.96063

2.4 GHz Bottom Antenna

Peak Gain is 3.2 dBi

