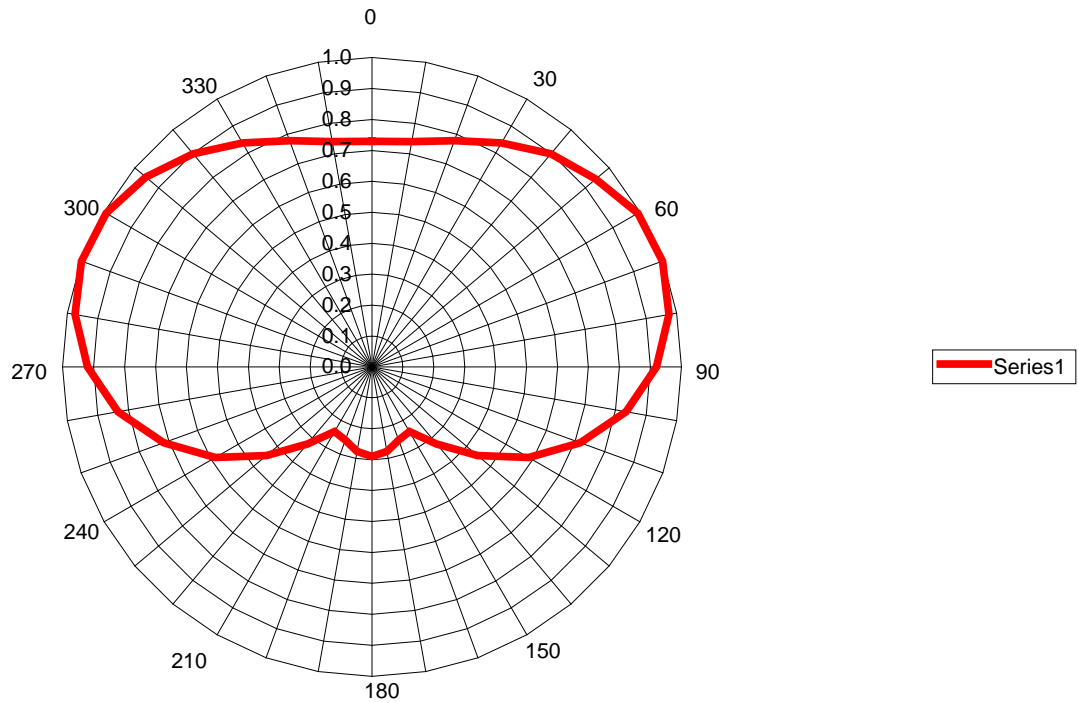


RF Technologies 5840 Azimuth Pattern – Gain 1.88



Pattern 5840 Tabulation

Angle	Rel. Field
0.000	0.729
10.000	0.739
20.000	0.778
30.000	0.836
40.000	0.899
50.000	0.944
60.000	0.993
70.000	0.999
80.000	0.974
90.000	0.919
100.000	0.833
110.000	0.717
120.000	0.585
130.000	0.446
140.000	0.326
150.000	0.241
160.000	0.252
170.000	0.277

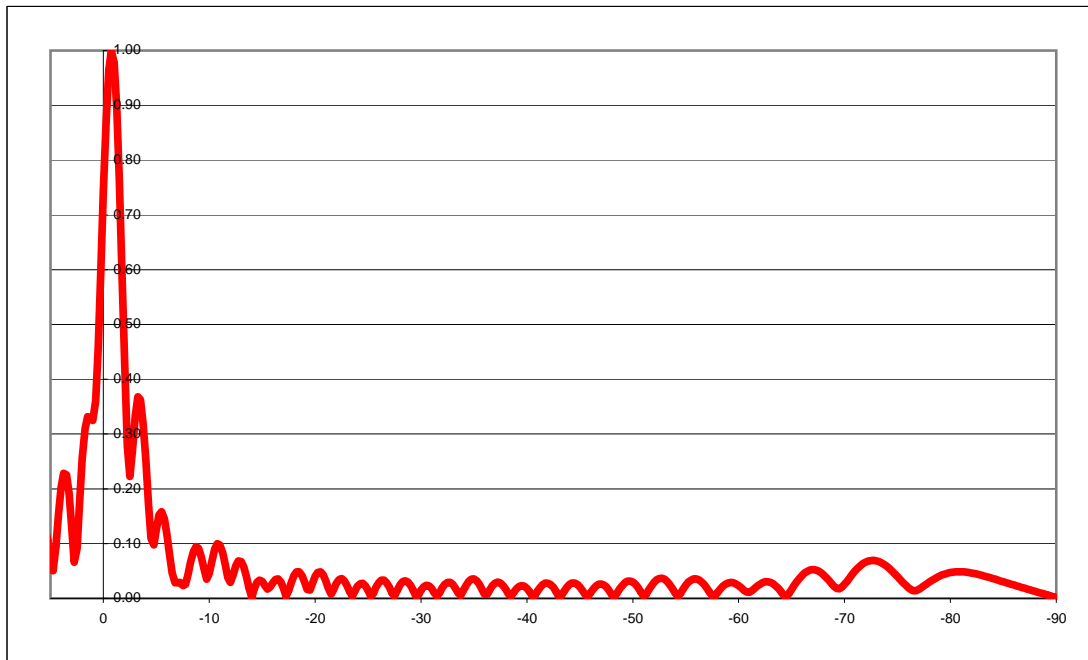
Angle	Rel. Field
180.000	0.290
190.000	0.277
200.000	0.252
210.000	0.241
220.000	0.326
230.000	0.446
240.000	0.585
250.000	0.717
260.000	0.833
270.000	0.919
280.000	0.974
290.000	0.999
300.000	0.993
310.000	0.955
320.000	0.899
330.000	0.836
340.000	0.778
350.000	0.739

Ferrite

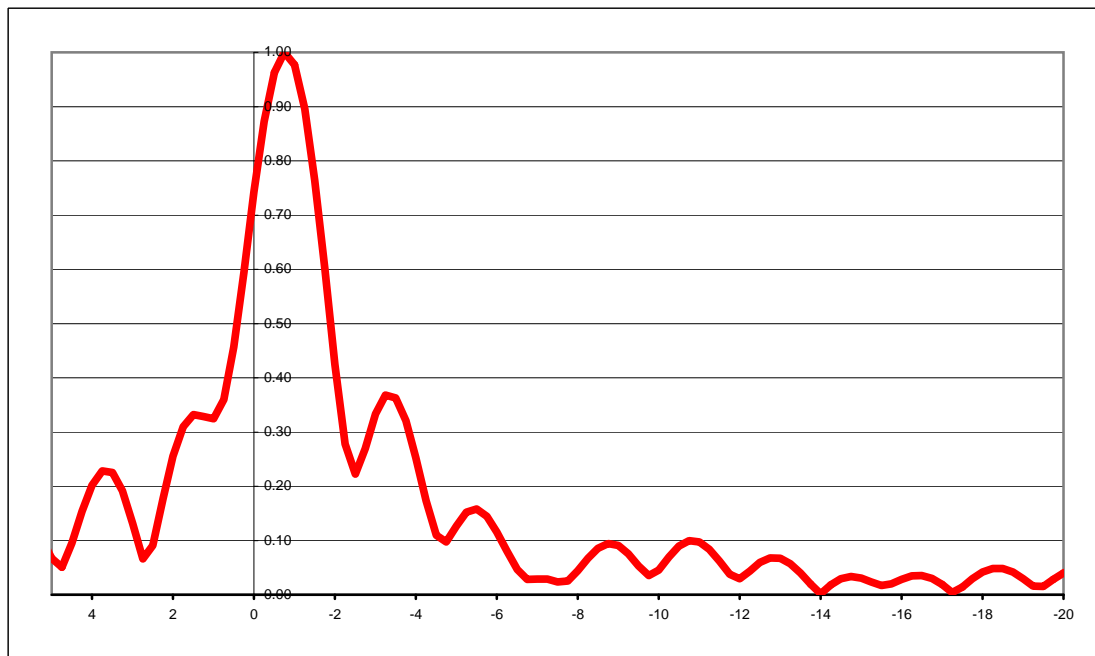
RF Technologies

High power microwave, broadcast, RF equipment,
instrumentation and controls

05840-11 WDWL 32 Bay 0.8 degree beam tilt tabulation



32 Bay elevation plot - Beam tilt -0.8 degrees - 5 to -90 degree plot



32 Bay elevation plot - Beam Tilt -0.8 degrees - 5 to -20 degree plot

Ferrite

RF technologies

High power microwave, broadcast, RF equipment,
instrumentation and controls

05840-11 WDWL 32 Bay 0.8 degree beam tilt tabulation

RF Technologies, LLC, a Ferrite Company

Angle	Field Value				
5	0.067544	-6.25	0.08007	-17.5	0.013905
4.75	0.05069	-6.5	0.046796	-17.75	0.029759
4.5	0.095058	-6.75	0.02842	-18	0.041991
4.25	0.153689	-7	0.028786	-18.25	0.048566
4	0.201911	-7.25	0.029201	-18.5	0.04842
3.75	0.228164	-7.5	0.023589	-18.75	0.041632
3.5	0.225544	-7.75	0.025426	-19	0.029586
3.25	0.191957	-8	0.044335	-19.25	0.016084
3	0.131695	-8.25	0.067441	-19.5	0.015096
2.75	0.066237	-8.5	0.085797	-19.75	0.028128
2.5	0.0911	-8.75	0.094387	-20	0.040289
2.25	0.177047	-9	0.090856	-20.25	0.047504
2	0.255733	-9.25	0.075662	-20.5	0.048437
1.75	0.309515	-9.5	0.052902	-20.75	0.043035
1.5	0.332005	-9.75	0.035293	-21	0.032332
1.25	0.328888	-10	0.045329	-21.25	0.018436
1	0.324612	-10.25	0.069548	-21.5	0.007609
0.75	0.360087	-10.5	0.089774	-21.75	0.016221
0.5	0.456725	-10.75	0.099745	-22	0.027391
0.25	0.59514	-11	0.09749	-22.25	0.034409
0	0.743047	-11.25	0.083745	-22.5	0.036027
-0.25	0.872694	-11.5	0.061702	-22.75	0.032202
-0.5	0.963034	-11.75	0.038043	-23	0.023803
-0.75	1	-12	0.029226	-23.25	0.012534
-1	0.977039	-12.25	0.043387	-23.5	0.004167
-1.25	0.895448	-12.5	0.059481	-23.75	0.013381
-1.5	0.764186	-12.75	0.068133	-24	0.022216
-1.75	0.599376	-13	0.067164	-24.25	0.027111
-2	0.424767	-13.25	0.057111	-24.5	0.02724
-2.25	0.277985	-13.5	0.040193	-24.75	0.022638
-2.5	0.22264	-13.75	0.019684	-25	0.014104
-2.75	0.269355	-14	0.001994	-25.25	0.003341
-3	0.333325	-14.25	0.018182	-25.5	0.009392
-3.25	0.368041	-14.5	0.029429	-25.75	0.020354
-3.5	0.362742	-14.75	0.033569	-26	0.028749
-3.75	0.320665	-15	0.030877	-26.25	0.033281
-4	0.252353	-15.25	0.023544	-26.5	0.033288
-4.25	0.173742	-15.5	0.017204	-26.75	0.028792
-4.5	0.109557	-15.75	0.02021	-27	0.020496
-4.75	0.097486	-16	0.028589	-27.25	0.009841
-5	0.126729	-16.25	0.034754	-27.5	0.004878
-5.25	0.15218	-16.5	0.035533	-27.75	0.015135
-5.5	0.15839	-16.75	0.030011	-28	0.024376
-5.75	0.144622	-17	0.018757	-28.25	0.030363
-6	0.115889	-17.25	0.003841	-28.5	0.032282

Ferrite

RF Technologies

High power microwave, broadcast, RF equipment,
instrumentation and controls

05840-11 WDWL 32 Bay 0.8 degree beam tilt tabulation

-28.75	0.029976	-40	0.018308	-51.25	0.007013
-29	0.023898	-40.25	0.0122	-51.5	0.015178
-29.25	0.015047	-40.5	0.005135	-51.75	0.022893
-29.5	0.005072	-40.75	0.005622	-52	0.029305
-29.75	0.006474	-41	0.013179	-52.25	0.033937
-30	0.015104	-41.25	0.020078	-52.5	0.03648
-30.25	0.021258	-41.5	0.025145	-52.75	0.03678
-30.5	0.02393	-41.75	0.02778	-53	0.034839
-30.75	0.022794	-42	0.027685	-53.25	0.030808
-31	0.018105	-42.25	0.024862	-53.5	0.024981
-31.25	0.010765	-42.5	0.019594	-53.75	0.017786
-31.5	0.004269	-42.75	0.012409	-54	0.009885
-31.75	0.010486	-43	0.004027	-54.25	0.004082
-32	0.019093	-43.25	0.00477	-54.5	0.009382
-32.25	0.025798	-43.5	0.01307	-54.75	0.017054
-32.5	0.029429	-43.75	0.020121	-55	0.023975
-32.75	0.029411	-44	0.025262	-55.25	0.029544
-33	0.025694	-44.25	0.028032	-55.5	0.033429
-33.25	0.018774	-44.5	0.028203	-55.75	0.035433
-33.5	0.009915	-44.75	0.025799	-56	0.035486
-33.75	0.00589	-45	0.021091	-56.25	0.033637
-34	0.014583	-45.25	0.014581	-56.5	0.03004
-34.25	0.023909	-45.5	0.007074	-56.75	0.02495
-34.5	0.03108	-45.75	0.003296	-57	0.018699
-34.75	0.03508	-46	0.010163	-57.25	0.011701
-35	0.035427	-46.25	0.016984	-57.5	0.004622
-35.25	0.032115	-46.5	0.022265	-57.75	0.004184
-35.5	0.0256	-46.75	0.025464	-58	0.010761
-35.75	0.016798	-47	0.026286	-58.25	0.016919
-36	0.007589	-47.25	0.024664	-58.5	0.022048
-36.25	0.007511	-47.5	0.020746	-58.75	0.025876
-36.5	0.015955	-47.75	0.01489	-59	0.028241
-36.75	0.023352	-48	0.00767	-59.25	0.029074
-37	0.028109	-48.25	0.002163	-59.5	0.028398
-37.25	0.029662	-48.5	0.009341	-59.75	0.026332
-37.5	0.027922	-48.75	0.017036	-60	0.023102
-37.75	0.023205	-49	0.023621	-60.25	0.019066
-38	0.016194	-49.25	0.02851	-60.5	0.014831
-38.25	0.008002	-49.5	0.031295	-60.75	0.011558
-38.5	0.003835	-49.75	0.031748	-61	0.01107
-38.75	0.010731	-50	0.029823	-61.25	0.013761
-39	0.017343	-50.25	0.025663	-61.5	0.017919
-39.25	0.021777	-50.5	0.019592	-61.75	0.02218
-39.5	0.023466	-50.75	0.01214	-62	0.025858
-39.75	0.022246	-51	0.00466	-62.25	0.028579

Ferrite

RF Technologies

High power microwave, broadcast, RF equipment,
instrumentation and controls

05840-11 WDWL 32 Bay 0.8 degree beam tilt tabulation

-62.5	0.030118	-73.75	0.061883	-85	0.030249
-62.75	0.030347	-74	0.058331	-85.25	0.028742
-63	0.029216	-74.25	0.054253	-85.5	0.027241
-63.25	0.026742	-74.5	0.04974	-85.75	0.025748
-63.5	0.023001	-74.75	0.044886	-86	0.024265
-63.75	0.018121	-75	0.039797	-86.25	0.022792
-64	0.012279	-75.25	0.034589	-86.5	0.021329
-64.25	0.00571	-75.5	0.029401	-86.75	0.019876
-64.5	0.001896	-75.75	0.024414	-87	0.018432
-64.75	0.009072	-76	0.019896	-87.25	0.016995
-65	0.016535	-76.25	0.016283	-87.5	0.015565
-65.25	0.023809	-76.5	0.014212	-87.75	0.014141
-65.5	0.030647	-76.75	0.014209	-88	0.01272
-65.75	0.03683	-77	0.016073	-88.25	0.011303
-66	0.042167	-77.25	0.019055	-88.5	0.009888
-66.25	0.0465	-77.5	0.022519	-88.75	0.008474
-66.5	0.049707	-77.75	0.026089	-89	0.007062
-66.75	0.051702	-78	0.029564	-89.25	0.005649
-67	0.052441	-78.25	0.032835	-89.5	0.004237
-67.25	0.051918	-78.5	0.035836	-89.75	0.002825
-67.5	0.050171	-78.75	0.038531	-90	0.001412
-67.75	0.047275	-79	0.040903		
-68	0.04335	-79.25	0.042942		
-68.25	0.038567	-79.5	0.044649		
-68.5	0.033165	-79.75	0.046029		
-68.75	0.027506	-80	0.047094		
-69	0.022202	-80.25	0.047857		
-69.25	0.018355	-80.5	0.048335		
-69.5	0.017524	-80.75	0.048547		
-69.75	0.020278	-81	0.048513		
-70	0.025416	-81.25	0.048254		
-70.25	0.031591	-81.5	0.04779		
-70.5	0.038015	-81.75	0.047144		
-70.75	0.044259	-82	0.046336		
-71	0.050064	-82.25	0.045386		
-71.25	0.05526	-82.5	0.044314		
-71.5	0.05973	-82.75	0.043138		
-71.75	0.063393	-83	0.041876		
-72	0.066198	-83.25	0.040543		
-72.25	0.068118	-83.5	0.039154		
-72.5	0.069146	-83.75	0.037721		
-72.75	0.069294	-84	0.036256		
-73	0.068593	-84.25	0.034768		
-73.25	0.067085	-84.5	0.033267		
-73.5	0.064826	-84.75	0.031759		

Ferrite

RF technologies

High power microwave, broadcast, RF equipment,
instrumentation and controls