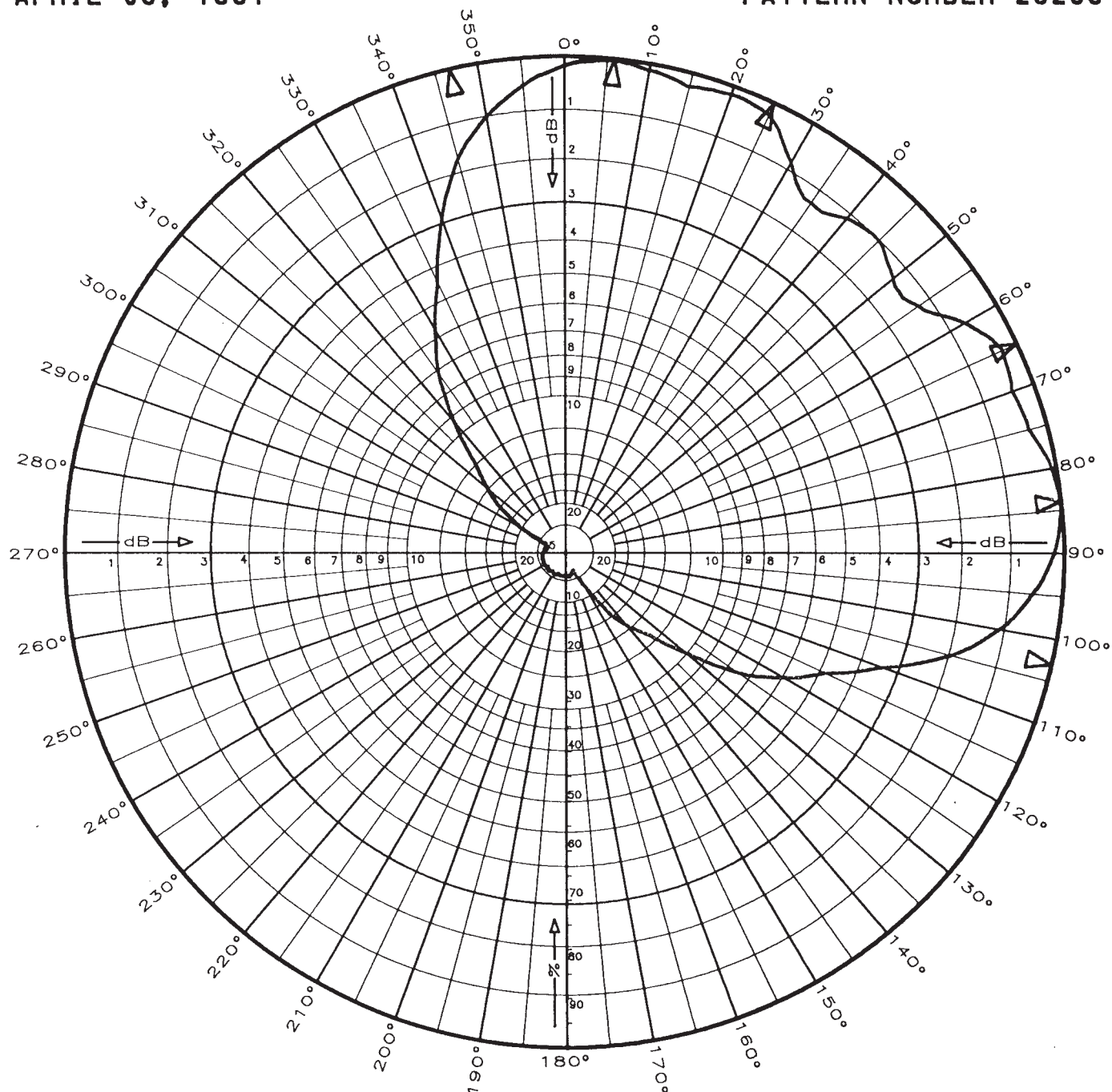


APRIL 09, 1991

PATTERN NUMBER 23299



SIX SCALA CL-713 LOG-PERIODICS  
CHANNEL 8

ORIENTED 1 AT 347 DEG., 1 AT 6 DEG.  
AND 1 AT 25 DEG. W/ FIRST INPUT,  
1 AT 65 DEG., 1 AT 84 DEG. AND  
1 AT 103 DEG. W/ SECOND INPUT

MAXIMUM ARRAY GAIN: 11.8 dBd

POWER GAIN: 15.1

HORIZONTAL POLARIZATION

VERTICAL STACK

HORIZONTAL PLANE PATTERN

**SCALA**

ELECTRONIC CORPORATION

MEDFORD, OREGON (USA)

(503) 779-6500

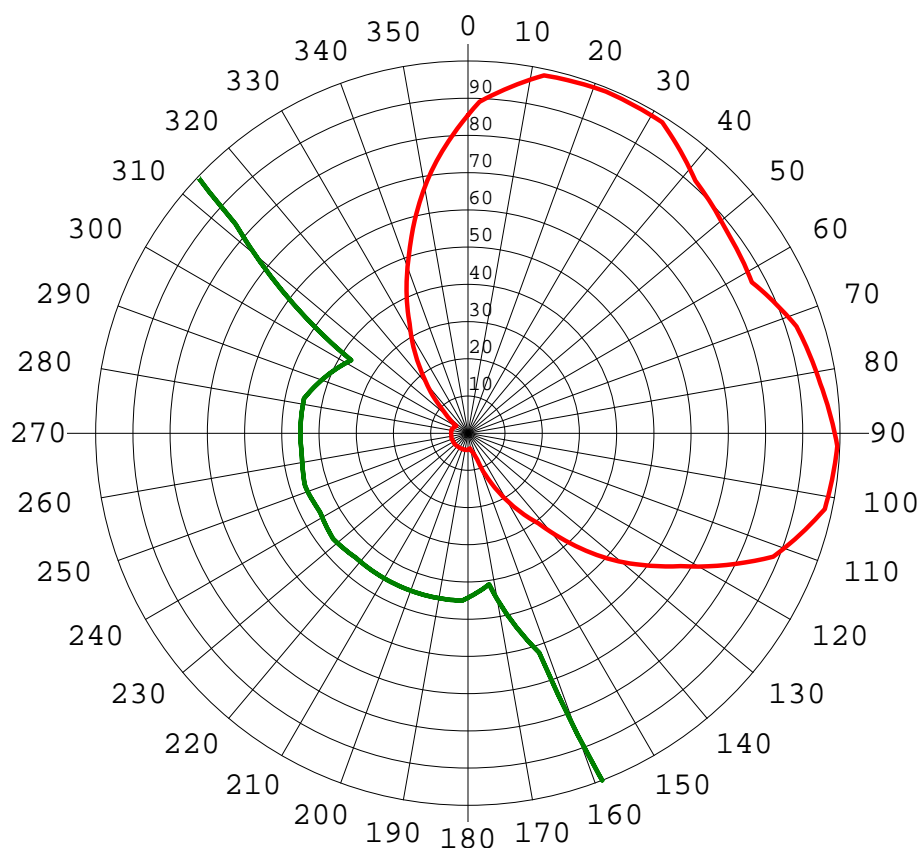
FAX: (503) 779-3991

APRIL 09, 1991

PATTERN NUMBER 23299

AZIMUTH	RELATIVE VOLTAGE	RELATIVE DB	DBD	POWER GAIN
0	0.983	-0.1	11.7	14.791
10	0.990	-0.1	11.7	14.791
20	0.985	-0.1	11.7	14.791
30	0.913	-0.8	11.0	12.589
40	0.882	-1.1	10.7	11.749
50	0.864	-1.3	10.5	11.220
60	0.928	-0.7	11.1	12.882
70	0.956	-0.4	11.4	13.804
80	0.993	-0.1	11.7	14.791
90	0.980	-0.2	11.6	14.454
100	0.885	-1.1	10.7	11.749
110	0.674	-3.4	8.4	6.918
120	0.503	-6.0	5.8	3.802
130	0.307	-10.3	1.5	1.413
140	0.183	-14.7	-2.9	0.513
150	0.062	-24.1	-12.3	0.059
160	0.041	-27.7	-15.9	0.026
170	0.045	-27.0	-15.2	0.030
180	0.045	-27.0	-15.2	0.030
190	0.045	-27.0	-15.2	0.030
200	0.045	-27.0	-15.2	0.030
210	0.045	-27.0	-15.2	0.030
220	0.046	-26.8	-15.0	0.032
230	0.045	-27.0	-15.2	0.030
240	0.046	-26.7	-14.9	0.032
250	0.045	-27.0	-15.2	0.030
260	0.045	-27.0	-15.2	0.030
270	0.045	-27.0	-15.2	0.030
280	0.041	-27.7	-15.9	0.026
290	0.037	-28.7	-16.9	0.020
300	0.084	-21.5	-9.7	0.107
310	0.194	-14.3	-2.5	0.562
320	0.334	-9.5	2.3	1.698
330	0.510	-5.8	6.0	3.981
340	0.710	-3.0	8.8	7.586
350	0.891	-1.0	10.8	12.023

# Scala CL713 Log Periodic Composite Rotate 12 Deg



Azi	Rel	dBk	kW	dB	Azi	Rel	dBk	kW	dB
0	0.983	-11.70	0.068	-0.15	180	0.045	-38.48	0.000	-26.94
10	0.990	-11.64	0.069	-0.09	190	0.045	-38.48	0.000	-26.94
20	0.985	-11.68	0.068	-0.13	200	0.045	-38.48	0.000	-26.94
30	0.913	-12.34	0.058	-0.79	210	0.045	-38.48	0.000	-26.94
40	0.882	-12.64	0.054	-1.09	220	0.046	-38.29	0.000	-26.74
50	0.864	-12.82	0.052	-1.27	230	0.045	-38.48	0.000	-26.94
60	0.928	-12.20	0.060	-0.65	240	0.046	-38.29	0.000	-26.74
70	0.956	-11.94	0.064	-0.39	250	0.045	-38.48	0.000	-26.94
80	0.993	-11.61	0.069	-0.06	260	0.045	-38.48	0.000	-26.94
90	0.980	-11.72	0.067	-0.18	270	0.045	-38.48	0.000	-26.94
100	0.885	-12.61	0.055	-1.06	280	0.041	-39.29	0.000	-27.74
110	0.674	-14.98	0.032	-3.43	290	0.037	-40.18	0.000	-28.64
120	0.503	-17.52	0.018	-5.97	300	0.084	-33.06	0.000	-21.51
130	0.307	-21.81	0.007	-10.26	310	0.194	-25.79	0.003	-14.24
140	0.183	-26.30	0.002	-14.75	320	0.334	-21.07	0.008	-9.53
150	0.062	-35.70	0.000	-24.15	330	0.510	-17.40	0.018	-5.85
160	0.041	-39.29	0.000	-27.74	340	0.710	-14.52	0.035	-2.97
170	0.045	-38.48	0.000	-26.94	350	0.891	-12.55	0.056	-1.00

Rotation Angle = 12