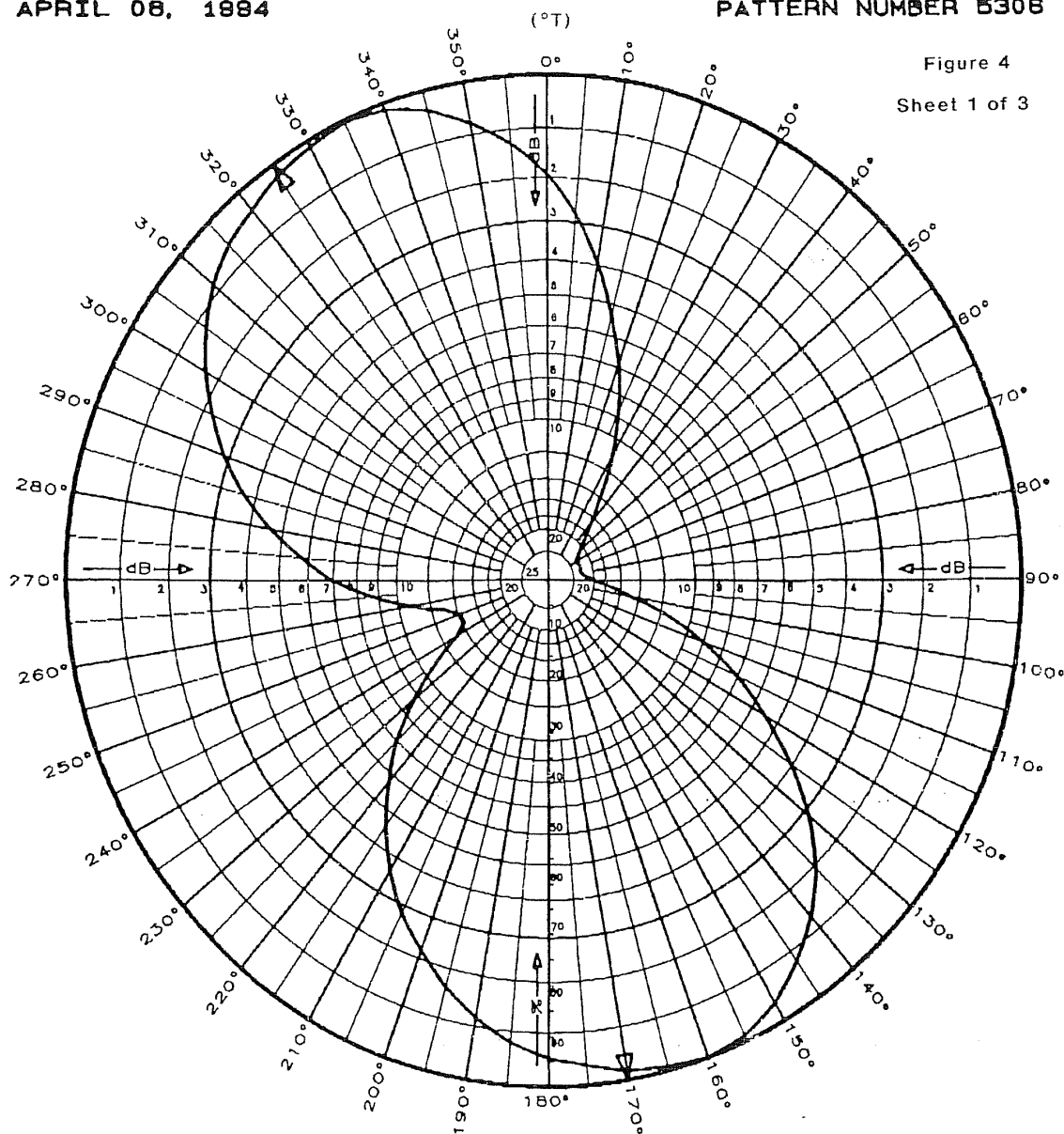


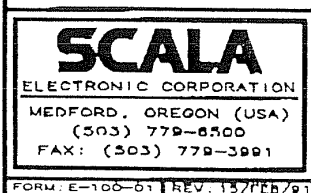
APRIL 08, 1984

PATTERN NUMBER 5306

Figure 4  
Sheet 1 of 3



TWO SCALA 4DR-16S PARAPANEL ARRAYS  
CHANNEL - 28  
ORIENTED AT 170 AND 325 DEGREES.  
MAXIMUM ARRAY GAIN: 11.5 dBd.  
POWER GAIN: 14.1  
HORIZONTAL POLARIZATION  
VERTICAL STACK  
HORIZONTAL PLANE PATTERN



FORM E-100-61 REV. 15/FEB/91

APRIL 08, 1994

PATTERN NUMBER 5306

AZIMUTH (°T)	RELATIVE VOLTAGE	RELATIVE dB	DBD	POWER GAIN
0	0.799	-2.0	9.5	8.913
10	0.628	-4.0	7.5	5.623
20	0.445	-7.0	4.5	2.818
30	0.269	-11.4	0.1	1.023
40	0.133	-17.5	-6.0	0.251
50	0.084	-21.5	-10.0	0.100
60	0.070	-23.1	-11.6	0.069
70	0.073	-22.8	-11.3	0.074
80	0.073	-22.8	-11.3	0.074
90	0.101	-19.9	-8.4	0.145
100	0.183	-14.8	-3.3	0.468
110	0.354	-9.0	2.5	1.778
120	0.532	-5.5	6.0	3.981
130	0.719	-2.9	8.6	7.244
140	0.863	-1.3	10.2	10.471
150	0.961	-0.3	11.2	13.183
160	1.000	0.0	11.5	14.125
170	0.981	-0.2	11.3	13.490
180	0.944	-0.5	11.0	12.589
190	0.877	-1.1	10.4	10.965
200	0.779	-2.2	9.3	8.511
210	0.663	-3.6	7.9	6.166
220	0.520	-5.7	5.8	3.802
230	0.370	-8.6	2.9	1.950
240	0.225	-13.0	-1.5	0.708
250	0.197	-14.1	-2.6	0.550
260	0.293	-10.7	0.8	1.202
270	0.452	-6.9	4.6	2.884
280	0.593	-4.5	7.0	5.012
290	0.726	-2.8	8.7	7.413
300	0.831	-1.6	9.9	9.772
310	0.916	-0.8	10.7	11.749
320	0.960	-0.4	11.1	12.882
330	0.991	-0.1	11.4	13.804
340	0.988	-0.1	11.4	13.804
350	0.916	-0.8	10.7	11.749

