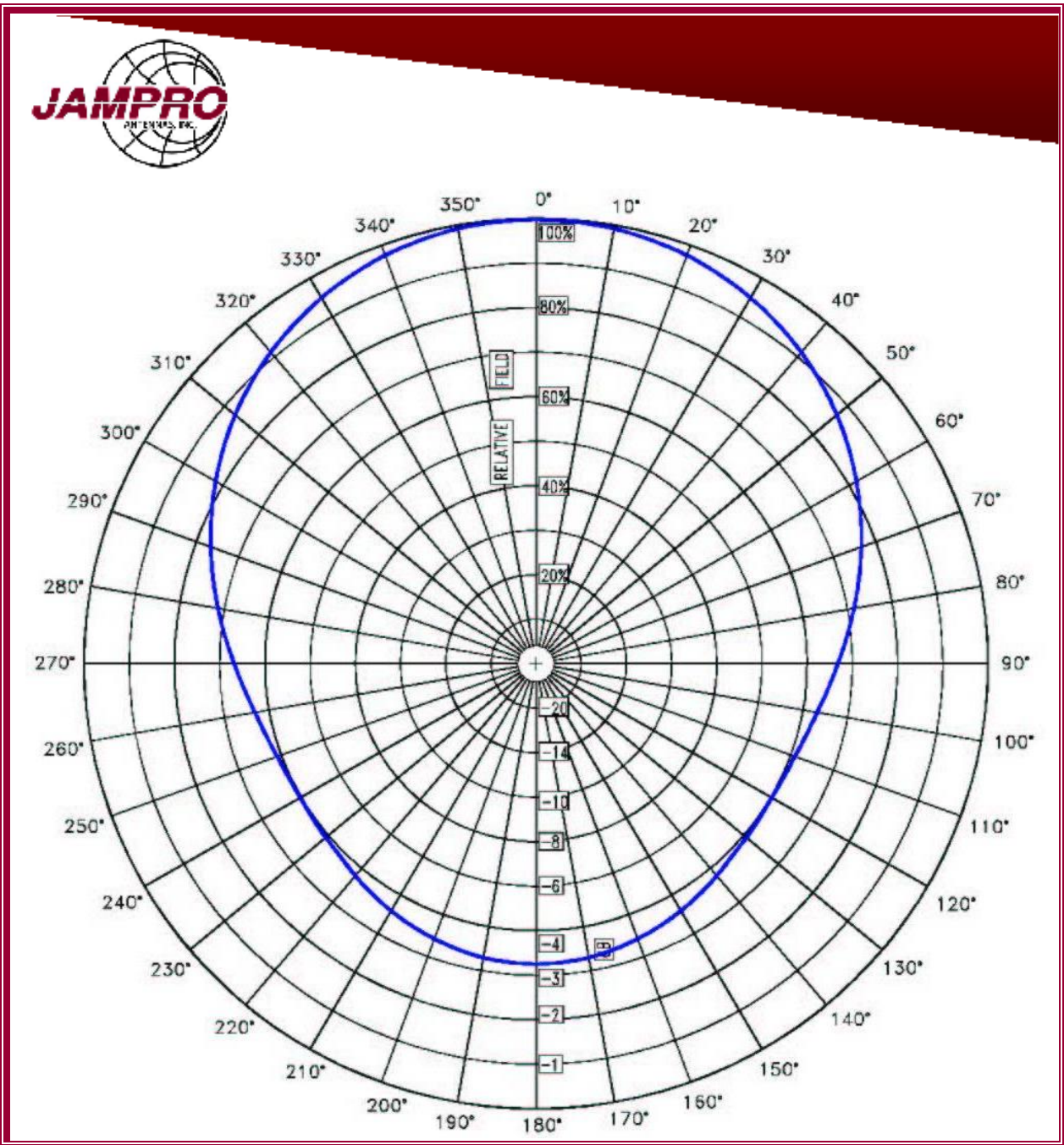




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## SLOT ANTENNA AZIMUTH PATTERN PLOT



### RELATIVE FIELD VALUES

NOTE: PATTERN SHOWN IS UN-ROTATED  
(TOWARD SLOT/RADOMED DIRECTION)  
STATION MANAGER IS TO DETERMINE ACTUAL PATTERN ROTATION



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## **AZIMUTH PATTERN TABULATION**



### **Azimuth Pattern Tabulation**

<u><b>AZIMUTH</b></u>	<u><b>FIELD</b></u>	<u><b>dB</b></u>
0	1.000	0.00
10	0.994	-0.05
20	0.978	-0.19
30	0.951	-0.44
40	0.915	-0.77
50	0.871	-1.20
60	0.820	-1.72
70	0.767	-2.30
80	0.715	-2.91
90	0.668	-3.50
100	0.631	-4.00
110	0.609	-4.31
120	0.602	-4.41
130	0.608	-4.32
140	0.623	-4.11
150	0.642	-3.85
160	0.659	-3.62
170	0.672	-3.45
180	0.676	-3.40
190	0.672	-3.45
200	0.659	-3.62
210	0.642	-3.85
220	0.623	-4.11
230	0.608	-4.32
240	0.602	-4.41
250	0.609	-4.31
260	0.631	-4.00
270	0.668	-3.50
280	0.715	-2.91
290	0.767	-2.30
300	0.820	-1.72
310	0.871	-1.20
320	0.915	-0.77
330	0.951	-0.44
340	0.978	-0.19
350	0.994	-0.05

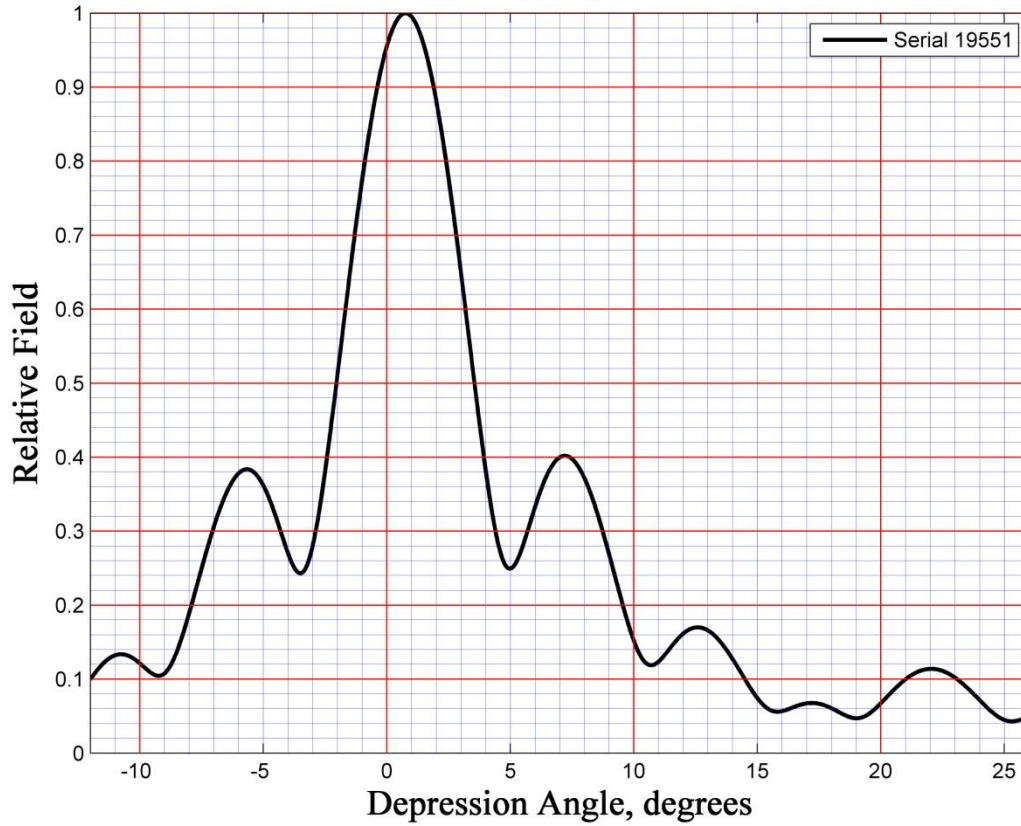


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## ELEVATION PATTERN PLOT

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## ELEVATION PATTERN TABULATION

<u>Depressic</u>	<u>Relative</u>	<u>Depression</u>	<u>Relative</u>	<u>Depression</u>	<u>Relative</u>	<u>Depression</u>	<u>Relative</u>	<u>Depression</u>	<u>Relative</u>
<u>angle</u>	<u>Field</u>	<u>angle</u>	<u>Field</u>	<u>angle</u>	<u>Field</u>	<u>angle</u>	<u>Field</u>	<u>angle</u>	<u>Field</u>
-12.0	0.100	8.5	0.326	29.0	0.034	49.5	0.025	70.0	0.070
-11.5	0.121	9.0	0.268	29.5	0.019	50.0	0.019	70.5	0.073
-11.0	0.132	9.5	0.206	30.0	0.008	50.5	0.016	71.0	0.076
-10.5	0.132	10.0	0.152	30.5	0.016	51.0	0.016	71.5	0.078
-10.0	0.121	10.5	0.121	31.0	0.030	51.5	0.017	72.0	0.080
-9.5	0.107	11.0	0.123	31.5	0.040	52.0	0.018	72.5	0.082
-9.0	0.108	11.5	0.143	32.0	0.047	52.5	0.019	73.0	0.082
-8.5	0.137	12.0	0.161	32.5	0.050	53.0	0.018	73.5	0.083
-8.0	0.189	12.5	0.170	33.0	0.049	53.5	0.018	74.0	0.082
-7.5	0.249	13.0	0.166	33.5	0.045	54.0	0.018	74.5	0.082
-7.0	0.306	13.5	0.151	34.0	0.040	54.5	0.019	75.0	0.081
-6.5	0.351	14.0	0.127	34.5	0.036	55.0	0.023	75.5	0.079
-6.0	0.378	14.5	0.100	35.0	0.038	55.5	0.027	76.0	0.078
-5.5	0.382	15.0	0.074	35.5	0.046	56.0	0.033	76.5	0.076
-5.0	0.362	15.5	0.059	36.0	0.058	56.5	0.039	77.0	0.073
-4.5	0.320	16.0	0.057	36.5	0.071	57.0	0.046	77.5	0.071
-4.0	0.270	16.5	0.062	37.0	0.081	57.5	0.051	78.0	0.068
-3.5	0.243	17.0	0.067	37.5	0.089	58.0	0.056	78.5	0.066
-3.0	0.280	17.5	0.067	38.0	0.094	58.5	0.061	79.0	0.063
-2.5	0.380	18.0	0.061	38.5	0.095	59.0	0.064	79.5	0.060
-2.0	0.510	18.5	0.052	39.0	0.092	59.5	0.066	80.0	0.057
-1.5	0.647	19.0	0.047	39.5	0.085	60.0	0.067	80.5	0.054
-1.0	0.774	19.5	0.053	40.0	0.076	60.5	0.067	81.0	0.051
-0.5	0.879	20.0	0.067	40.5	0.065	61.0	0.066	81.5	0.048
0.0	0.955	20.5	0.084	41.0	0.054	61.5	0.063	82.0	0.045
0.5	0.995	21.0	0.100	41.5	0.045	62.0	0.060	82.5	0.042
1.0	0.995	21.5	0.110	42.0	0.043	62.5	0.056	83.0	0.039
1.5	0.957	22.0	0.114	42.5	0.046	63.0	0.052	83.5	0.036
2.0	0.882	22.5	0.111	43.0	0.054	63.5	0.047	84.0	0.033
2.5	0.777	23.0	0.102	43.5	0.063	64.0	0.043	84.5	0.030
3.0	0.650	23.5	0.088	44.0	0.071	64.5	0.039	85.0	0.027
3.5	0.513	24.0	0.072	44.5	0.077	65.0	0.037	85.5	0.024
4.0	0.383	24.5	0.056	45.0	0.081	65.5	0.036	86.0	0.021
4.5	0.284	25.0	0.045	45.5	0.082	66.0	0.037	86.5	0.018
5.0	0.249	25.5	0.044	46.0	0.080	66.5	0.039	87.0	0.016
5.5	0.279	26.0	0.050	46.5	0.076	67.0	0.043	87.5	0.013
6.0	0.332	26.5	0.057	47.0	0.069	67.5	0.047	88.0	0.010
6.5	0.377	27.0	0.061	47.5	0.061	68.0	0.052	88.5	0.008
7.0	0.400	27.5	0.061	48.0	0.052	68.5	0.057	89.0	0.005
7.5	0.398	28.0	0.056	48.5	0.043	69.0	0.062	89.5	0.002
8.0	0.372	28.5	0.047	49.0	0.034	69.5	0.066	90.0	0.000