

Proposal Number **DCA-10218** Revision: **4**  
Date **20-Dec-04**  
Call Letters  
Location **New York, NY**  
Customer  
Antenna Type **THA-O4-2H/8UD2SP-2-HM**  
Channel **11**

### ELEVATION PATTERN

RMS Gain at Main Lobe

**4.40 ( 6.43 dB )**

Beam Tilt

**3.00 deg**

RMS Gain at Horizontal

**3.70 ( 5.68 dB )**

Frequency

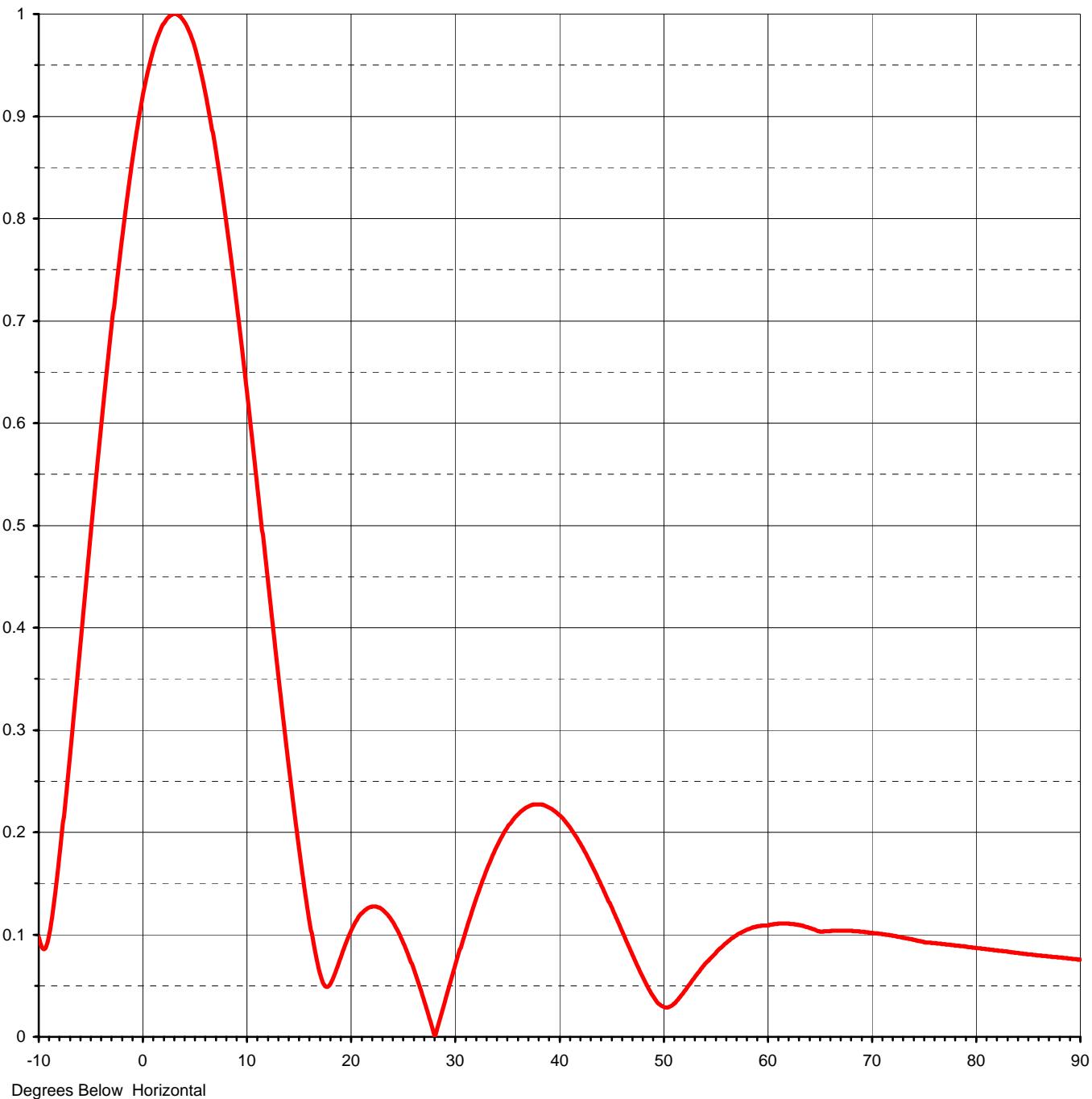
**201.00 MHz**

Calculated / Measured

**Calculated**

Drawing #

**04H044300-90**



Degrees Below Horizontal



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## TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #: **04H044300-90**

Angle	Field										
-10.0	0.098	2.4	0.997	10.6	0.585	30.5	0.084	51.0	0.032	71.5	0.100
-9.5	0.086	2.6	0.998	10.8	0.566	31.0	0.101	51.5	0.037	72.0	0.099
-9.0	0.099	2.8	1.000	11.0	0.548	31.5	0.117	52.0	0.043	72.5	0.098
-8.5	0.132	3.0	1.000	11.5	0.501	32.0	0.132	52.5	0.050	73.0	0.097
-8.0	0.176	3.2	1.000	12.0	0.454	32.5	0.147	53.0	0.057	73.5	0.096
-7.5	0.225	3.4	0.999	12.5	0.408	33.0	0.161	53.5	0.064	74.0	0.095
-7.0	0.277	3.6	0.997	13.0	0.362	33.5	0.173	54.0	0.070	74.5	0.094
-6.5	0.330	3.8	0.995	13.5	0.317	34.0	0.184	54.5	0.076	75.0	0.093
-6.0	0.384	4.0	0.992	14.0	0.274	34.5	0.194	55.0	0.081	75.5	0.092
-5.5	0.439	4.2	0.988	14.5	0.232	35.0	0.203	55.5	0.086	76.0	0.092
-5.0	0.493	4.4	0.984	15.0	0.192	35.5	0.211	56.0	0.091	76.5	0.091
-4.5	0.545	4.6	0.979	15.5	0.155	36.0	0.217	56.5	0.095	77.0	0.091
-4.0	0.597	4.8	0.974	16.0	0.120	36.5	0.221	57.0	0.099	77.5	0.090
-3.5	0.646	5.0	0.967	16.5	0.090	37.0	0.225	57.5	0.102	78.0	0.089
-3.0	0.694	5.2	0.960	17.0	0.065	37.5	0.227	58.0	0.104	78.5	0.089
-2.8	0.712	5.4	0.952	17.5	0.051	38.0	0.227	58.5	0.106	79.0	0.088
-2.6	0.730	5.6	0.943	18.0	0.051	38.5	0.227	59.0	0.108	79.5	0.088
-2.4	0.748	5.8	0.933	18.5	0.061	39.0	0.225	59.5	0.109	80.0	0.087
-2.2	0.765	6.0	0.923	19.0	0.075	39.5	0.222	60.0	0.109	80.5	0.086
-2.0	0.782	6.2	0.913	19.5	0.089	40.0	0.218	60.5	0.110	81.0	0.086
-1.8	0.798	6.4	0.902	20.0	0.102	40.5	0.212	61.0	0.111	81.5	0.085
-1.6	0.814	6.6	0.890	20.5	0.112	41.0	0.206	61.5	0.111	82.0	0.084
-1.4	0.829	6.8	0.878	21.0	0.120	41.5	0.199	62.0	0.111	82.5	0.084
-1.2	0.844	7.0	0.866	21.5	0.125	42.0	0.190	62.5	0.110	83.0	0.083
-1.0	0.858	7.2	0.853	22.0	0.127	42.5	0.182	63.0	0.110	83.5	0.083
-0.8	0.872	7.4	0.839	22.5	0.127	43.0	0.172	63.5	0.108	84.0	0.082
-0.6	0.885	7.6	0.825	23.0	0.125	43.5	0.162	64.0	0.107	84.5	0.081
-0.4	0.898	7.8	0.811	23.5	0.121	44.0	0.151	64.5	0.105	85.0	0.081
-0.2	0.909	8.0	0.796	24.0	0.114	44.5	0.140	65.0	0.103	85.5	0.080
0.0	0.921	8.2	0.781	24.5	0.105	45.0	0.129	65.5	0.103	86.0	0.080
0.2	0.931	8.4	0.765	25.0	0.095	45.5	0.117	66.0	0.104	86.5	0.079
0.4	0.940	8.6	0.750	25.5	0.083	46.0	0.106	66.5	0.104	87.0	0.079
0.6	0.949	8.8	0.733	26.0	0.069	46.5	0.094	67.0	0.104	87.5	0.078
0.8	0.957	9.0	0.717	26.5	0.054	47.0	0.082	67.5	0.104	88.0	0.078
1.0	0.964	9.2	0.700	27.0	0.038	47.5	0.071	68.0	0.104	88.5	0.077
1.2	0.971	9.4	0.683	27.5	0.022	48.0	0.060	68.5	0.103	89.0	0.077
1.4	0.977	9.6	0.666	28.0	0.005	48.5	0.050	69.0	0.103	89.5	0.076
1.6	0.982	9.8	0.657	28.5	0.013	49.0	0.041	69.5	0.102	90.0	0.076
1.8	0.987	10.0	0.640	29.0	0.031	49.5	0.034	70.0	0.102		
2.0	0.991	10.2	0.622	29.5	0.049	50.0	0.030	70.5	0.101		
2.2	0.994	10.4	0.603	30.0	0.067	50.5	0.029	71.0	0.100		