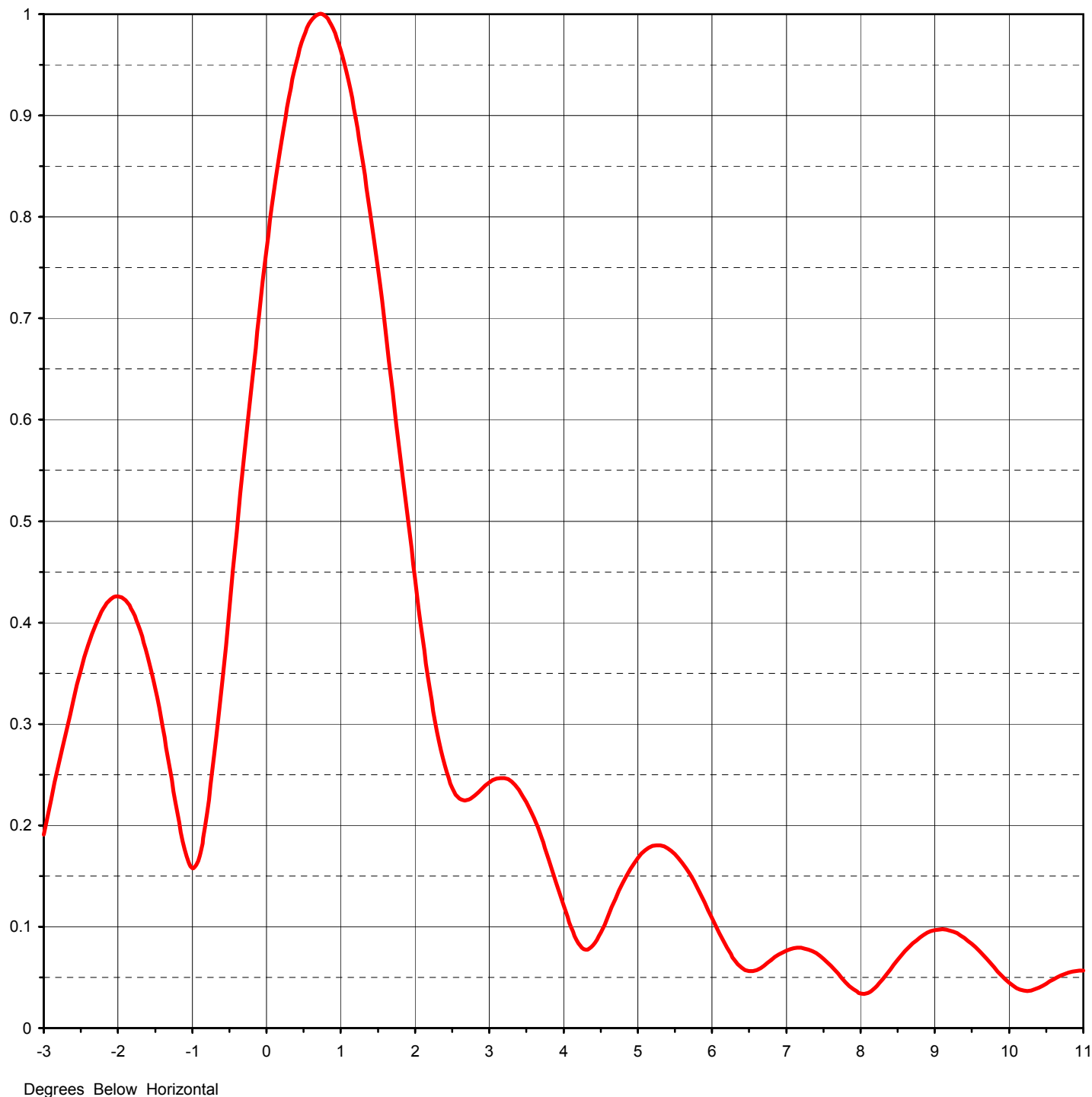




Proposal Number	<b>DCA-10733</b>		
Date	<b>29-Oct-04</b>		
Call Letters	<b>KVEW-DT</b>	Channel	<b>44</b>
Location	<b>Keanewick, WA</b>		
Customer			
Antenna Type	<b>TUF-O4-12/48H-1-T</b>		

## ELEVATION PATTERN

RMS Gain at Main Lobe	<b>25.40 ( 14.05 dB )</b>	Beam Tilt	<b>0.70 deg</b>
RMS Gain at Horizontal	<b>15.00 ( 11.76 dB )</b>	Frequency	<b>653.00 MHz</b>
Calculated / Measured	<b>Calculated</b>	Drawing #	<b>12U254070</b>



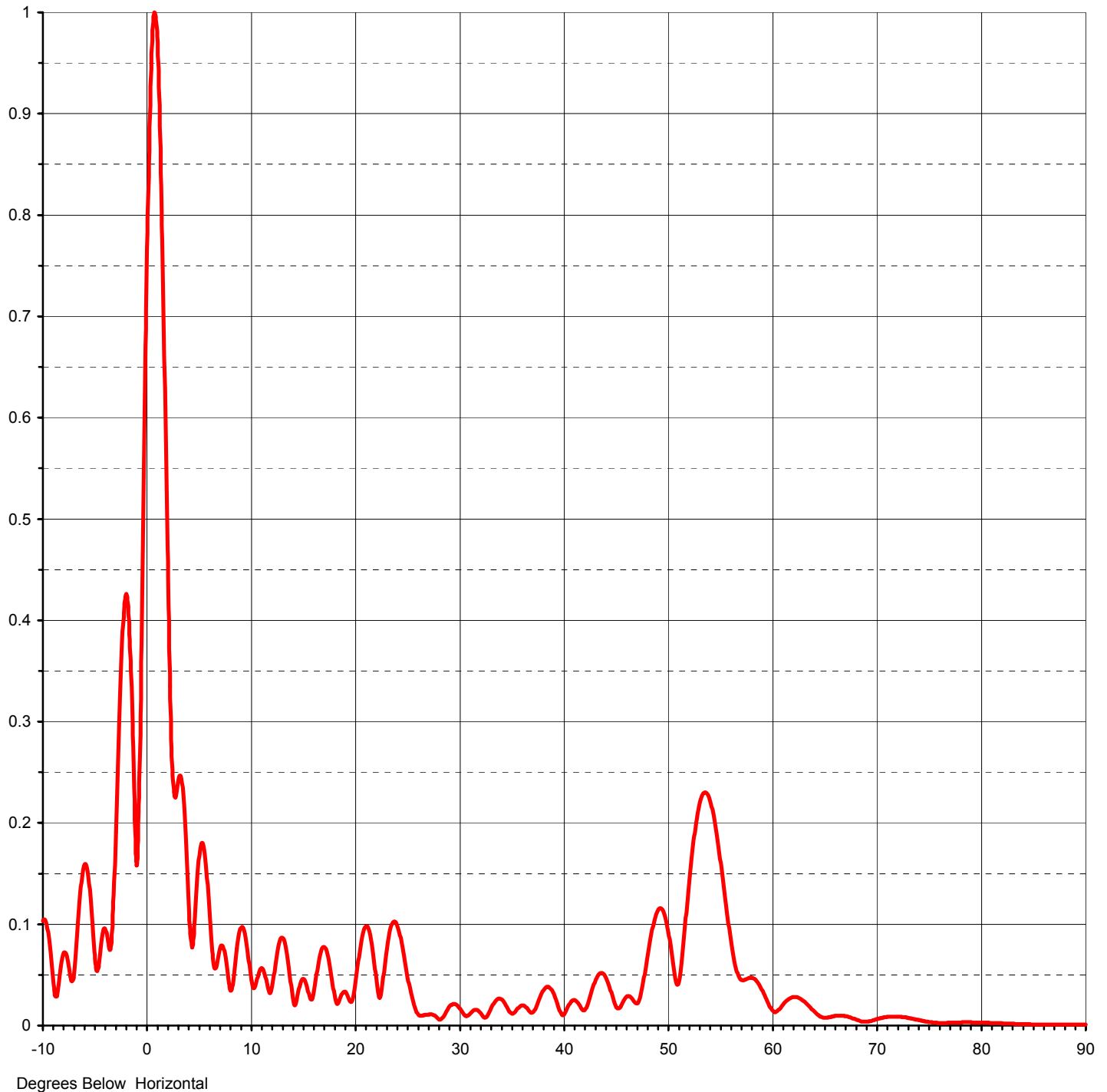


Proposal Number	<b>DCA-10733</b>		
Date	<b>29-Oct-04</b>		
Call Letters	<b>KVEW-DT</b>	Channel	<b>44</b>
Location	<b>Keanewick, WA</b>		
Customer			
Antenna Type	<b>TUF-O4-12/48H-1-T</b>		

## ELEVATION PATTERN

RMS Gain at Main Lobe	<b>25.40</b>	<b>( 14.05 dB )</b>
RMS Gain at Horizontal	<b>15.00</b>	<b>( 11.76 dB )</b>
Calculated / Measured	<b>Calculated</b>	

Beam Tilt	<b>0.70 deg</b>
Frequency	<b>653.00 MHz</b>
Drawing #	<b>12U254070-90</b>





Proposal Number **DCA-10733**

Date **29-Oct-04**

Call Letters **KVEW-DT** Channel **44**

Location **Keanewick, WA**

Customer

Antenna Type **TUF-O4-12/48H-1-T**

## TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #: **12U254070-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.103	2.4	0.259	10.6	0.044	30.5	0.011	51.0	0.041	71.5	0.009
-9.5	0.092	2.6	0.226	10.8	0.052	31.0	0.011	51.5	0.078	72.0	0.009
-9.0	0.045	2.8	0.229	11.0	0.056	31.5	0.015	52.0	0.134	72.5	0.008
-8.5	0.040	3.0	0.242	11.5	0.045	32.0	0.013	52.5	0.182	73.0	0.007
-8.0	0.071	3.2	0.247	12.0	0.034	32.5	0.008	53.0	0.215	73.5	0.007
-7.5	0.058	3.4	0.235	12.5	0.068	33.0	0.015	53.5	0.230	74.0	0.005
-7.0	0.053	3.6	0.207	13.0	0.087	33.5	0.024	54.0	0.225	74.5	0.004
-6.5	0.119	3.8	0.167	13.5	0.071	34.0	0.026	54.5	0.203	75.0	0.003
-6.0	0.159	4.0	0.120	14.0	0.032	34.5	0.020	55.0	0.168	75.5	0.003
-5.5	0.134	4.2	0.084	14.5	0.028	35.0	0.012	55.5	0.128	76.0	0.002
-5.0	0.066	4.4	0.082	15.0	0.046	35.5	0.015	56.0	0.089	76.5	0.003
-4.5	0.073	4.6	0.110	15.5	0.036	36.0	0.020	56.5	0.059	77.0	0.003
-4.0	0.095	4.8	0.143	16.0	0.029	36.5	0.017	57.0	0.046	77.5	0.003
-3.5	0.075	5.0	0.168	16.5	0.060	37.0	0.012	57.5	0.046	78.0	0.003
-3.0	0.191	5.2	0.180	17.0	0.078	37.5	0.021	58.0	0.047	78.5	0.003
-2.8	0.259	5.4	0.177	17.5	0.065	38.0	0.033	58.5	0.044	79.0	0.003
-2.6	0.324	5.6	0.163	18.0	0.034	38.5	0.038	59.0	0.036	79.5	0.003
-2.4	0.378	5.8	0.139	18.5	0.024	39.0	0.033	59.5	0.025	80.0	0.003
-2.2	0.414	6.0	0.109	19.0	0.034	39.5	0.020	60.0	0.016	80.5	0.003
-2.0	0.426	6.2	0.079	19.5	0.025	40.0	0.010	60.5	0.014	81.0	0.002
-1.8	0.411	6.4	0.059	20.0	0.037	40.5	0.020	61.0	0.020	81.5	0.002
-1.6	0.367	6.6	0.057	20.5	0.074	41.0	0.025	61.5	0.025	82.0	0.002
-1.4	0.297	6.8	0.067	21.0	0.097	41.5	0.021	62.0	0.028	82.5	0.002
-1.2	0.213	7.0	0.076	21.5	0.089	42.0	0.015	62.5	0.028	83.0	0.002
-1.0	0.158	7.2	0.079	22.0	0.052	42.5	0.026	63.0	0.025	83.5	0.002
-0.8	0.211	7.4	0.074	22.5	0.030	43.0	0.042	63.5	0.020	84.0	0.001
-0.6	0.340	7.6	0.062	23.0	0.069	43.5	0.051	64.0	0.015	84.5	0.001
-0.4	0.489	7.8	0.045	23.5	0.098	44.0	0.049	64.5	0.009	85.0	0.001
-0.2	0.636	8.0	0.034	24.0	0.101	44.5	0.036	65.0	0.008	85.5	0.001
0.0	0.767	8.2	0.040	24.5	0.082	45.0	0.020	65.5	0.008	86.0	0.001
0.2	0.875	8.4	0.058	25.0	0.052	45.5	0.019	66.0	0.009	86.5	0.001
0.4	0.952	8.6	0.076	25.5	0.028	46.0	0.027	66.5	0.010	87.0	0.001
0.6	0.993	8.8	0.090	26.0	0.012	46.5	0.028	67.0	0.009	87.5	0.001
0.8	0.997	9.0	0.097	26.5	0.010	47.0	0.022	67.5	0.008	88.0	0.001
1.0	0.965	9.2	0.096	27.0	0.011	47.5	0.034	68.0	0.006	88.5	0.001
1.2	0.898	9.4	0.089	27.5	0.011	48.0	0.063	68.5	0.004	89.0	0.001
1.4	0.803	9.6	0.076	28.0	0.007	48.5	0.093	69.0	0.004	89.5	0.001
1.6	0.689	9.8	0.068	28.5	0.009	49.0	0.112	69.5	0.005	90.0	0.001
1.8	0.565	10.0	0.052	29.0	0.017	49.5	0.114	70.0	0.006		
2.0	0.443	10.2	0.039	29.5	0.021	50.0	0.097	70.5	0.008		
2.2	0.335	10.4	0.037	30.0	0.018	50.5	0.063	71.0	0.009		