Dielectric

Proposal Number	**DCA-9806**	Revision:	**3**
Date	**12-Jul-02**		
Call Letters	**WBDC-DT**	Channel	**51**
Location	**Washington, DC**		
Customer	**Tribune**		
Antenna Type	**TFU-30ETT-H O6 DC**		

ELEVATION PATTERN

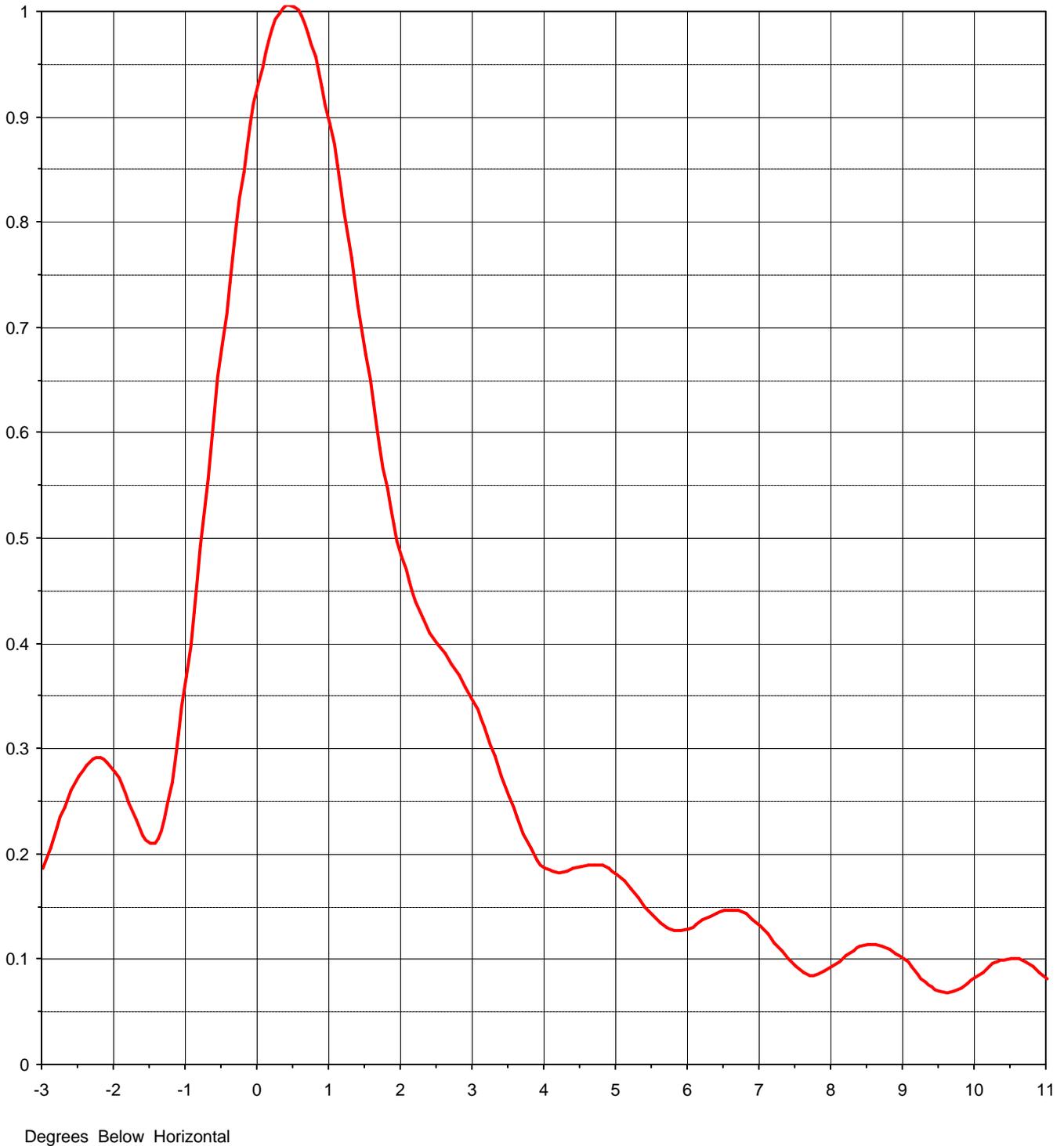|					
RMS Gain at Main Lobe	**24.00**	**(13.80 dB)**	Beam Tilt	**0.45 deg**	
RMS Gain at Horizontal	**20.50**	**(13.12 dB)**	Frequency	**695.00 MHz**	
Calculated / Measured	**Calculated**		Drawing #	**30E240045**	

Degrees Below Horizontal

| Proposal Number | **DCA-9806** | Revision: | **3** |

Date **12-Jul-02**
Call Letters **WBDC-DT** Channel **51**
Location **Washington, DC**
Customer **Tribune**
Antenna Type **TFU-30ETT-H O6 DC**

ELEVATION PATTERN

RMS Gain at Main Lobe **24.00** **(13.80 dB)** Beam Tilt **0.45 deg**
RMS Gain at Horizontal **20.50** **(13.12 dB)** Frequency **695.00 MHz**
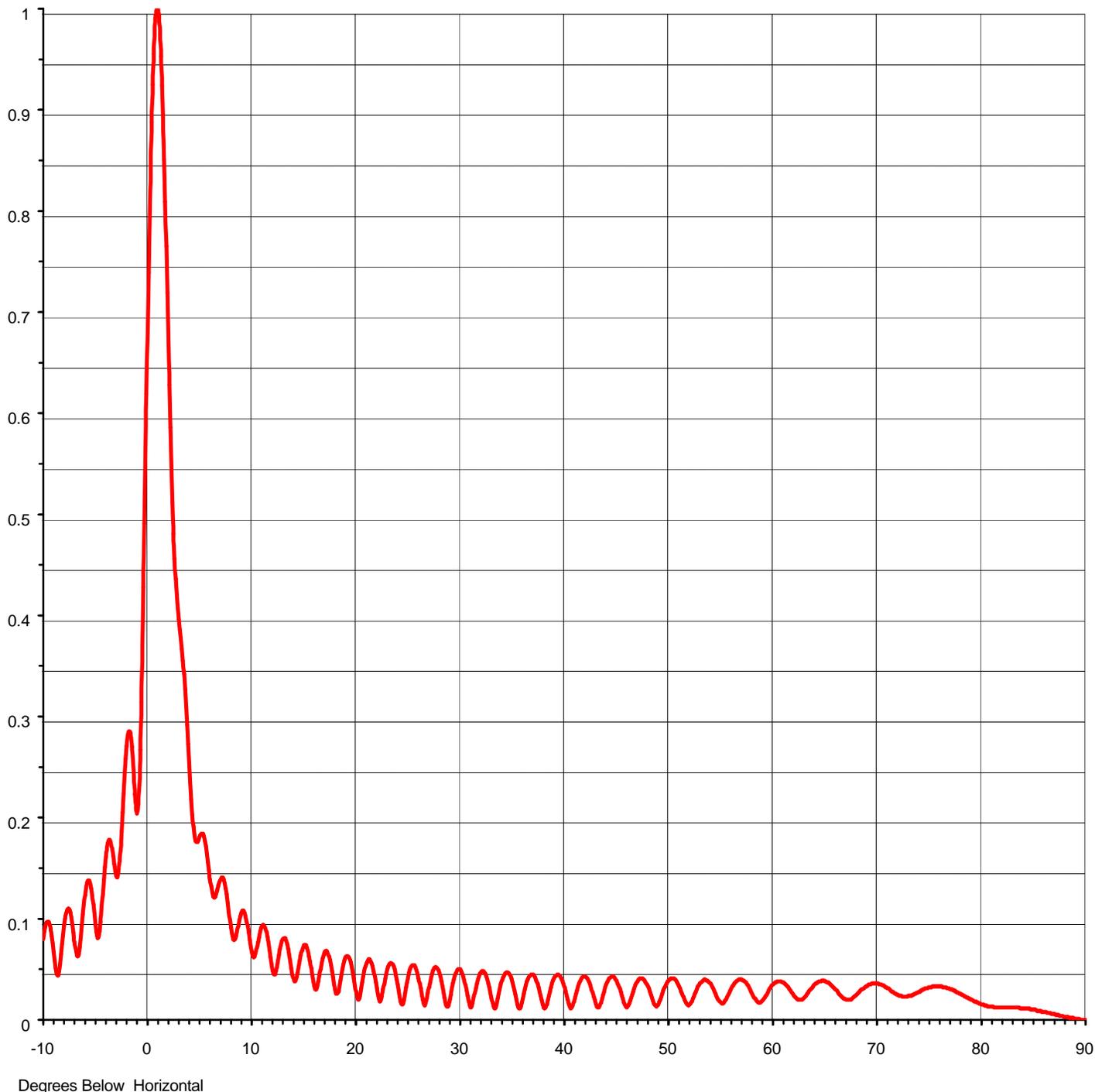Calculated / Measured **Calculated** Drawing # **30E240045-90**

Degrees Below Horizontal

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #: **30E240045-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.097	2.4	0.404	10.6	0.094	30.5	0.021	51.0	0.022	71.5	0.042
-9.5	0.074	2.6	0.384	10.8	0.091	31.0	0.043	51.5	0.035	72.0	0.045
-9.0	0.045	2.8	0.364	11.0	0.082	31.5	0.048	52.0	0.042	72.5	0.046
-8.5	0.087	3.0	0.339	11.5	0.049	32.0	0.032	52.5	0.039	73.0	0.045
-8.0	0.110	3.2	0.306	12.0	0.059	32.5	0.011	53.0	0.029	73.5	0.043
-7.5	0.083	3.4	0.268	12.5	0.081	33.0	0.032	53.5	0.018	74.0	0.039
-7.0	0.068	3.6	0.230	13.0	0.069	33.5	0.047	54.0	0.021	74.5	0.034
-6.5	0.119	3.8	0.199	13.5	0.040	34.0	0.043	54.5	0.032	75.0	0.030
-6.0	0.137	4.0	0.180	14.0	0.055	34.5	0.022	55.0	0.041	75.5	0.026
-5.5	0.099	4.2	0.176	14.5	0.074	35.0	0.016	55.5	0.042	76.0	0.024
-5.0	0.093	4.4	0.180	15.0	0.061	35.5	0.037	56.0	0.037	76.5	0.025
-4.5	0.157	4.6	0.184	15.5	0.031	36.0	0.046	56.5	0.026	77.0	0.027
-4.0	0.176	4.8	0.183	16.0	0.048	36.5	0.037	57.0	0.018	77.5	0.031
-3.5	0.143	5.0	0.175	16.5	0.068	37.0	0.016	57.5	0.023	78.0	0.034
-3.0	0.181	5.2	0.161	17.0	0.056	37.5	0.021	58.0	0.033	78.5	0.037
-2.8	0.219	5.4	0.144	17.5	0.027	38.0	0.040	58.5	0.040	79.0	0.040
-2.6	0.255	5.6	0.129	18.0	0.044	38.5	0.046	59.0	0.041	79.5	0.042
-2.4	0.278	5.8	0.121	18.5	0.063	39.0	0.035	59.5	0.037	80.0	0.043
-2.2	0.285	6.0	0.123	19.0	0.052	39.5	0.015	60.0	0.030	80.5	0.044
-2.0	0.272	6.2	0.131	19.5	0.023	40.0	0.021	60.5	0.023	81.0	0.043
-1.8	0.243	6.4	0.138	20.0	0.038	40.5	0.039	61.0	0.023	81.5	0.042
-1.6	0.211	6.6	0.141	20.5	0.059	41.0	0.044	61.5	0.030	82.0	0.041
-1.4	0.209	6.8	0.137	21.0	0.052	41.5	0.034	62.0	0.038	82.5	0.039
-1.2	0.262	7.0	0.126	21.5	0.024	42.0	0.016	62.5	0.043	83.0	0.036
-1.0	0.363	7.2	0.110	22.0	0.032	42.5	0.019	63.0	0.043	83.5	0.033
-0.8	0.486	7.4	0.094	22.5	0.055	43.0	0.037	63.5	0.039	84.0	0.030
-0.6	0.614	7.6	0.082	23.0	0.052	43.5	0.044	64.0	0.032	84.5	0.027
-0.4	0.736	7.8	0.080	23.5	0.025	44.0	0.038	64.5	0.024	85.0	0.024
-0.2	0.842	8.0	0.087	24.0	0.024	44.5	0.021	65.0	0.023	85.5	0.021
0.0	0.924	8.2	0.098	24.5	0.050	45.0	0.014	65.5	0.027	86.0	0.018
0.2	0.978	8.4	0.106	25.0	0.053	45.5	0.030	66.0	0.034	86.5	0.015
0.4	1.000	8.6	0.108	25.5	0.031	46.0	0.041	66.5	0.039	87.0	0.012
0.6	0.990	8.8	0.104	26.0	0.017	46.5	0.041	67.0	0.042	87.5	0.009
0.8	0.951	9.0	0.094	26.5	0.043	47.0	0.029	67.5	0.042	88.0	0.006
1.0	0.887	9.2	0.080	27.0	0.052	47.5	0.015	68.0	0.040	88.5	0.004
1.2	0.805	9.4	0.068	27.5	0.038	48.0	0.021	68.5	0.036	89.0	0.002
1.4	0.714	9.6	0.062	28.0	0.013	48.5	0.036	69.0	0.031	89.5	0.001
1.6	0.623	9.8	0.063	28.5	0.033	49.0	0.043	69.5	0.029	90.0	0.000
1.8	0.541	10.0	0.071	29.0	0.050	49.5	0.039	70.0	0.030		
2.0	0.477	10.2	0.082	29.5	0.045	50.0	0.027	70.5	0.034		
2.2	0.433	10.4	0.091	30.0	0.021	50.5	0.015	71.0	0.038		