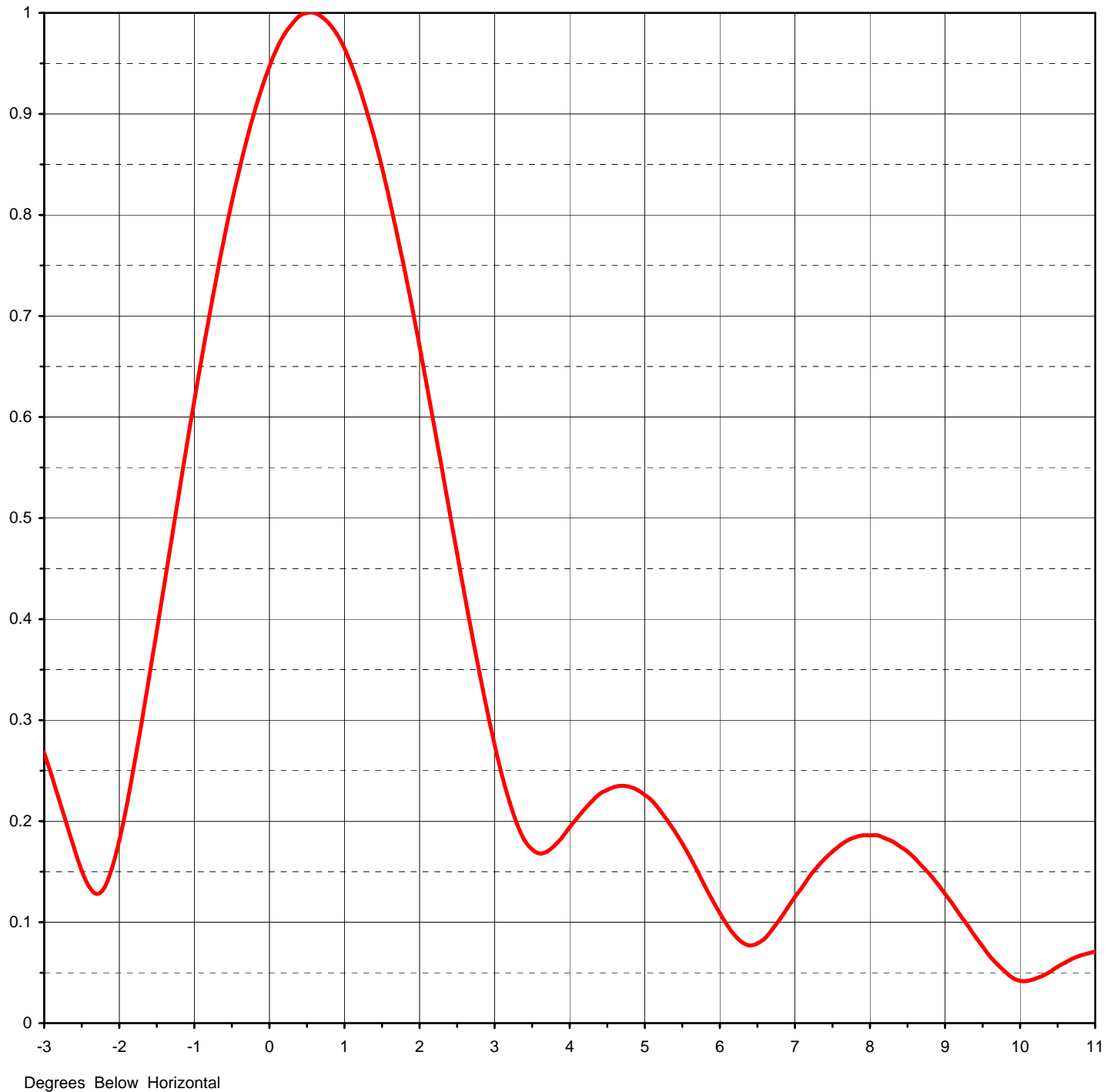




Proposal Number	DCA-9577	Revision:	1
Date	24-May-05		
Call Letters	WPBS	Channel	16
Location	Watertown, NY		
Customer			
Antenna Type	TUF-04-10/40H-1-T		

ELEVATION PATTERN

RMS Gain at Main Lobe	18.83 (12.75 dB)	Beam Tilt	0.50 deg
RMS Gain at Horizontal	16.90 (12.28 dB)	Frequency	485.00 MHz
Calculated / Measured	Calculated	Drawing #	10U188050-B485

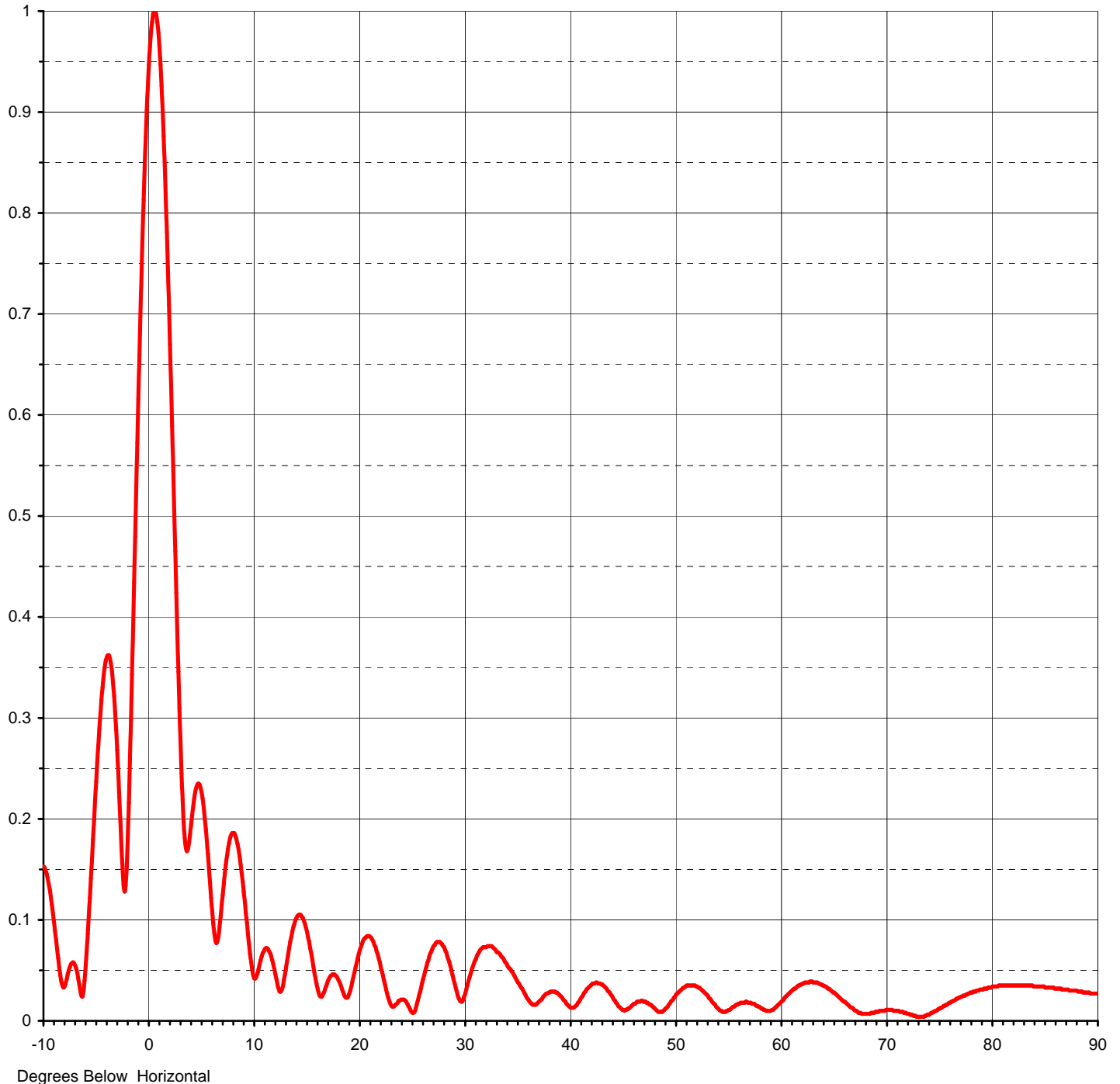




Proposal Number	DCA-9577	Revision:	1
Date	24-May-05		
Call Letters	WPBS	Channel	16
Location	Watertown, NY		
Customer			
Antenna Type	TUF-04-10/40H-1-T		

ELEVATION PATTERN

RMS Gain at Main Lobe	18.83 (12.75 dB)	Beam Tilt	0.50 deg
RMS Gain at Horizontal	16.90 (12.28 dB)	Frequency	485.00 MHz
Calculated / Measured	Calculated	Drawing #	10U188050-B485-90





Proposal Number **DCA-9577** Revision: **1**
 Date **24-May-05**
 Call Letters **WPBS** Channel **16**
 Location **Watertown, NY**
 Customer
 Antenna Type **TUF-04-10/40H-1-T**

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #: **10U188050-B485-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.153	2.4	0.506	10.6	0.056	30.5	0.043	51.0	0.034	71.5	0.009
-9.5	0.136	2.6	0.424	10.8	0.064	31.0	0.059	51.5	0.035	72.0	0.007
-9.0	0.098	2.8	0.346	11.0	0.069	31.5	0.070	52.0	0.034	72.5	0.005
-8.5	0.053	3.0	0.276	11.5	0.069	32.0	0.073	52.5	0.031	73.0	0.004
-8.0	0.034	3.2	0.219	12.0	0.051	32.5	0.074	53.0	0.026	73.5	0.004
-7.5	0.053	3.4	0.181	12.5	0.029	33.0	0.070	53.5	0.019	74.0	0.006
-7.0	0.055	3.6	0.168	13.0	0.046	33.5	0.064	54.0	0.013	74.5	0.009
-6.5	0.030	3.8	0.176	13.5	0.078	34.0	0.057	54.5	0.009	75.0	0.012
-6.0	0.054	4.0	0.194	14.0	0.100	34.5	0.049	55.0	0.010	75.5	0.015
-5.5	0.141	4.2	0.212	14.5	0.105	35.0	0.040	55.5	0.014	76.0	0.018
-5.0	0.237	4.4	0.227	15.0	0.092	35.5	0.032	56.0	0.017	76.5	0.021
-4.5	0.318	4.6	0.234	15.5	0.067	36.0	0.022	56.5	0.018	77.0	0.024
-4.0	0.360	4.8	0.234	16.0	0.037	36.5	0.016	57.0	0.018	77.5	0.026
-3.5	0.346	5.0	0.226	16.5	0.024	37.0	0.018	57.5	0.017	78.0	0.028
-3.0	0.268	5.2	0.211	17.0	0.037	37.5	0.024	58.0	0.014	78.5	0.030
-2.8	0.221	5.4	0.190	17.5	0.046	38.0	0.028	58.5	0.011	79.0	0.031
-2.6	0.173	5.6	0.165	18.0	0.042	38.5	0.029	59.0	0.010	79.5	0.032
-2.4	0.135	5.8	0.136	18.5	0.029	39.0	0.026	59.5	0.013	80.0	0.034
-2.2	0.134	6.0	0.109	19.0	0.024	39.5	0.020	60.0	0.018	80.5	0.034
-2.0	0.181	6.2	0.087	19.5	0.044	40.0	0.014	60.5	0.024	81.0	0.035
-1.8	0.256	6.4	0.077	20.0	0.066	40.5	0.014	61.0	0.029	81.5	0.035
-1.6	0.343	6.6	0.084	20.5	0.081	41.0	0.021	61.5	0.033	82.0	0.035
-1.4	0.434	6.8	0.103	21.0	0.084	41.5	0.029	62.0	0.036	82.5	0.035
-1.2	0.526	7.0	0.125	21.5	0.075	42.0	0.035	62.5	0.038	83.0	0.035
-1.0	0.616	7.2	0.146	22.0	0.058	42.5	0.038	63.0	0.039	83.5	0.035
-0.8	0.700	7.4	0.163	22.5	0.036	43.0	0.036	63.5	0.038	84.0	0.034
-0.6	0.778	7.6	0.176	23.0	0.017	43.5	0.032	64.0	0.035	84.5	0.034
-0.4	0.845	7.8	0.184	23.5	0.016	44.0	0.025	64.5	0.032	85.0	0.033
-0.2	0.902	8.0	0.186	24.0	0.021	44.5	0.017	65.0	0.028	85.5	0.033
0.0	0.947	8.2	0.183	24.5	0.019	45.0	0.011	65.5	0.023	86.0	0.032
0.2	0.979	8.4	0.175	25.0	0.009	45.5	0.012	66.0	0.019	86.5	0.032
0.4	0.997	8.6	0.163	25.5	0.016	46.0	0.016	66.5	0.014	87.0	0.031
0.6	1.000	8.8	0.147	26.0	0.037	46.5	0.019	67.0	0.010	87.5	0.030
0.8	0.989	9.0	0.128	26.5	0.057	47.0	0.019	67.5	0.008	88.0	0.030
1.0	0.965	9.2	0.107	27.0	0.072	47.5	0.017	68.0	0.007	88.5	0.029
1.2	0.926	9.4	0.086	27.5	0.078	48.0	0.013	68.5	0.008	89.0	0.028
1.4	0.876	9.6	0.066	28.0	0.074	48.5	0.009	69.0	0.009	89.5	0.027
1.6	0.815	9.8	0.058	28.5	0.061	49.0	0.011	69.5	0.010	90.0	0.027
1.8	0.746	10.0	0.045	29.0	0.041	49.5	0.017	70.0	0.011		
2.0	0.670	10.2	0.042	29.5	0.022	50.0	0.024	70.5	0.011		
2.2	0.589	10.4	0.047	30.0	0.024	50.5	0.030	71.0	0.010		