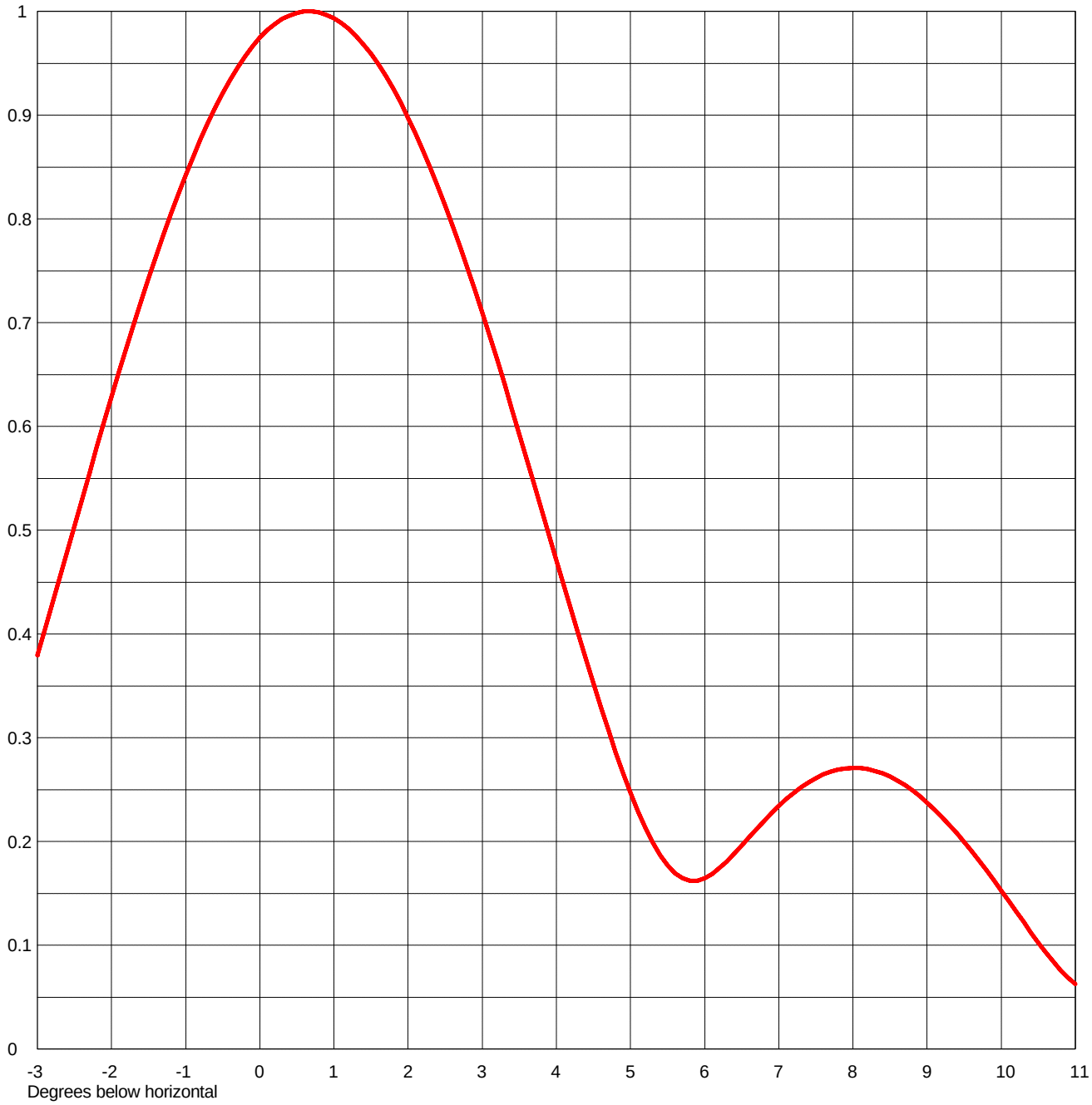
Figure A-3a

Proposal Number		Revision	
Date	**19 Oct 2001**		
Call Letters	**KPAX-DT**	Channel	**7**
Location	**Missoula, MT**		
Customer			
Antenna Type	**TF-10HT-H DC**		

ELEVATION PATTERN

RMS Gain at Main Lobe	**9.4 (9.73 dB)**	Beam Tilt	**0.75 Degrees**
RMS Gain at Horizontal	**8.9 (9.49 dB)**	Frequency	**177.00 MHz**
Calculated / Measured	**Calculated**	Drawing #	**10S094075**



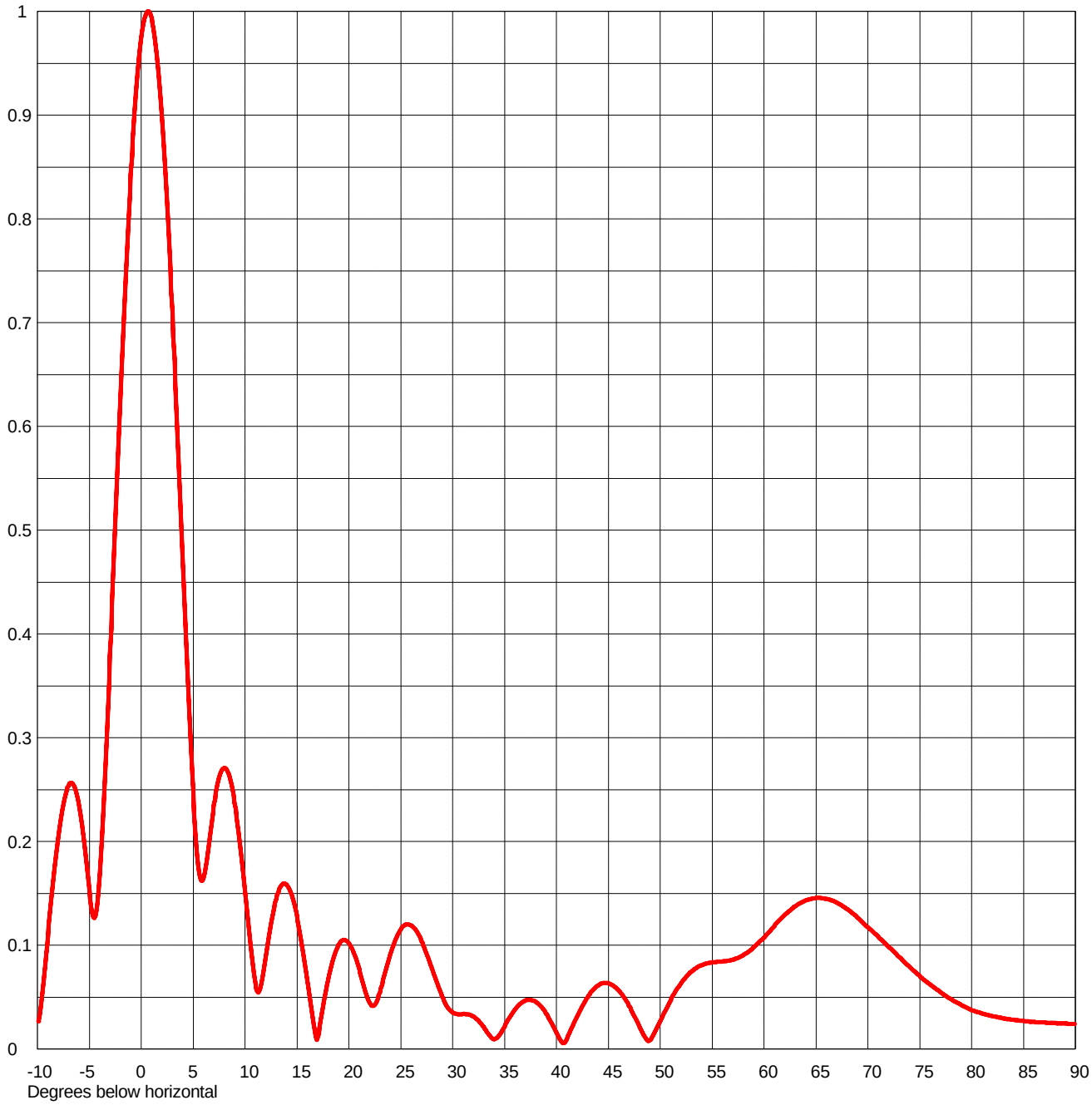
Remarks:

Figure A-3b

Proposal Number		Revision	
Date	**19 Oct 2001**		
Call Letters	**KPAX-DT**	Channel	**7**
Location	**Missoula, MT**		
Customer			
Antenna Type	**TF-10HT-H DC**		

ELEVATION PATTERN

RMS Gain at Main Lobe	**9.4 (9.73 dB)**	Beam Tilt	**0.75 Degrees**
RMS Gain at Horizontal	**8.9 (9.49 dB)**	Frequency	**177.00 MHz**
Calculated / Measured	**Calculated**	Drawing #	**10S094075**



Remarks:

Figure A-3c

Dielectric

Proposal Number		Revision	
Date	**19 Oct 2001**		
Call Letters	**KPAX-DT**	Channel	**7**
Location	**Missoula, MT**		
Customer			
Antenna Type	**TF-10HT-H DC**		

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing # **10S094075**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.025	2.4	0.832	10.6	0.093	30.5	0.034	51.0	0.047	71.5	0.104
-9.5	0.057	2.6	0.794	10.8	0.076	31.0	0.034	51.5	0.056	72.0	0.099
-9.0	0.109	2.8	0.753	11.0	0.063	31.5	0.033	52.0	0.063	72.5	0.094
-8.5	0.159	3.0	0.709	11.5	0.059	32.0	0.031	52.5	0.070	73.0	0.089
-8.0	0.203	3.2	0.664	12.0	0.089	32.5	0.027	53.0	0.075	73.5	0.084
-7.5	0.236	3.4	0.617	12.5	0.121	33.0	0.021	53.5	0.078	74.0	0.079
-7.0	0.254	3.6	0.569	13.0	0.145	33.5	0.014	54.0	0.081	74.5	0.075
-6.5	0.254	3.8	0.520	13.5	0.158	34.0	0.009	54.5	0.083	75.0	0.070
-6.0	0.236	4.0	0.471	14.0	0.158	34.5	0.014	55.0	0.083	75.5	0.066
-5.5	0.199	4.2	0.422	14.5	0.148	35.0	0.022	55.5	0.084	76.0	0.062
-5.0	0.153	4.4	0.375	15.0	0.128	35.5	0.030	56.0	0.084	76.5	0.058
-4.5	0.126	4.6	0.329	15.5	0.100	36.0	0.038	56.5	0.085	77.0	0.055
-4.0	0.167	4.8	0.286	16.0	0.066	36.5	0.043	57.0	0.086	77.5	0.051
-3.5	0.262	5.0	0.247	16.5	0.031	37.0	0.047	57.5	0.088	78.0	0.048
-3.0	0.380	5.2	0.213	17.0	0.010	37.5	0.047	58.0	0.090	78.5	0.045
-2.8	0.429	5.4	0.187	17.5	0.039	38.0	0.045	58.5	0.094	79.0	0.042
-2.6	0.480	5.6	0.169	18.0	0.066	38.5	0.041	59.0	0.098	79.5	0.040
-2.4	0.530	5.8	0.162	18.5	0.087	39.0	0.034	59.5	0.103	80.0	0.037
-2.2	0.580	6.0	0.165	19.0	0.100	39.5	0.026	60.0	0.107	80.5	0.036
-2.0	0.628	6.2	0.174	19.5	0.105	40.0	0.016	60.5	0.113	81.0	0.034
-1.8	0.676	6.4	0.188	20.0	0.102	40.5	0.007	61.0	0.119	81.5	0.033
-1.6	0.721	6.6	0.204	20.5	0.092	41.0	0.010	61.5	0.124	82.0	0.032
-1.4	0.764	6.8	0.220	21.0	0.077	41.5	0.021	62.0	0.129	82.5	0.031
-1.2	0.805	7.0	0.234	21.5	0.059	42.0	0.031	62.5	0.134	83.0	0.030
-1.0	0.842	7.2	0.247	22.0	0.045	42.5	0.041	63.0	0.138	83.5	0.029
-0.8	0.877	7.4	0.257	22.5	0.043	43.0	0.050	63.5	0.141	84.0	0.028
-0.6	0.907	7.6	0.265	23.0	0.055	43.5	0.057	64.0	0.143	84.5	0.028
-0.4	0.934	7.8	0.269	23.5	0.073	44.0	0.061	64.5	0.145	85.0	0.027
-0.2	0.957	8.0	0.271	24.0	0.091	44.5	0.064	65.0	0.145	85.5	0.027
0.0	0.975	8.2	0.270	24.5	0.106	45.0	0.063	65.5	0.145	86.0	0.026
0.2	0.988	8.4	0.266	25.0	0.115	45.5	0.061	66.0	0.145	86.5	0.026
0.4	0.996	8.6	0.259	25.5	0.120	46.0	0.057	66.5	0.143	87.0	0.025
0.6	1.000	8.8	0.249	26.0	0.119	46.5	0.050	67.0	0.141	87.5	0.025
0.8	0.999	9.0	0.238	26.5	0.114	47.0	0.042	67.5	0.138	88.0	0.025
1.0	0.993	9.2	0.224	27.0	0.104	47.5	0.032	68.0	0.135	88.5	0.025
1.2	0.983	9.4	0.208	27.5	0.092	48.0	0.022	68.5	0.131	89.0	0.025
1.4	0.968	9.6	0.191	28.0	0.078	48.5	0.012	69.0	0.127	89.5	0.024
1.6	0.949	9.8	0.172	28.5	0.064	49.0	0.008	69.5	0.122	90.0	0.024
1.8	0.925	10.0	0.153	29.0	0.051	49.5	0.016	70.0	0.117		
2.0	0.898	10.2	0.133	29.5	0.041	50.0	0.027	70.5	0.113		
2.2	0.866	10.4	0.113	30.0	0.035	50.5	0.037	71.0	0.108		

Remarks: