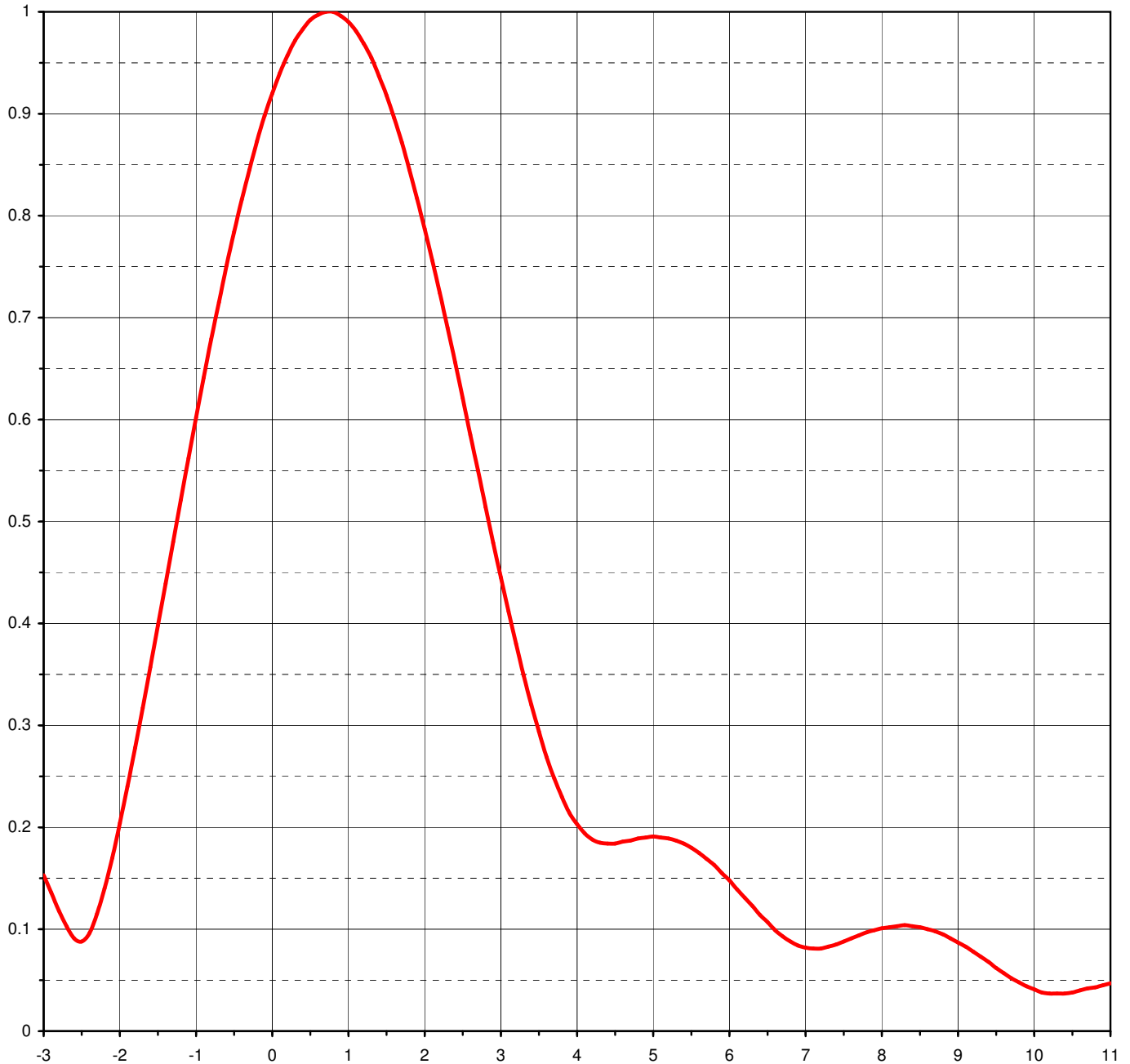




Proposal Number	<b>C-03208</b>		
Date	<b>5-Jan-09</b>		
Call Letters	<b>WMVT-DT</b>	Channel	<b>35</b>
Location	<b>Milwaukee, WI</b>		
Customer			
Antenna Type	<b>TFU-18JTH/VP-R 4S190</b>		

## ELEVATION PATTERN

RMS Gain at Main Lobe	<b>18.00 ( 12.55 dB )</b>	Beam Tilt	<b>0.75 deg</b>
RMS Gain at Horizontal	<b>15.20 ( 11.82 dB )</b>	Frequency	<b>599.00 MHz</b>
Calculated / Measured	<b>Calculated</b>	Drawing #	<b>18J180075</b>



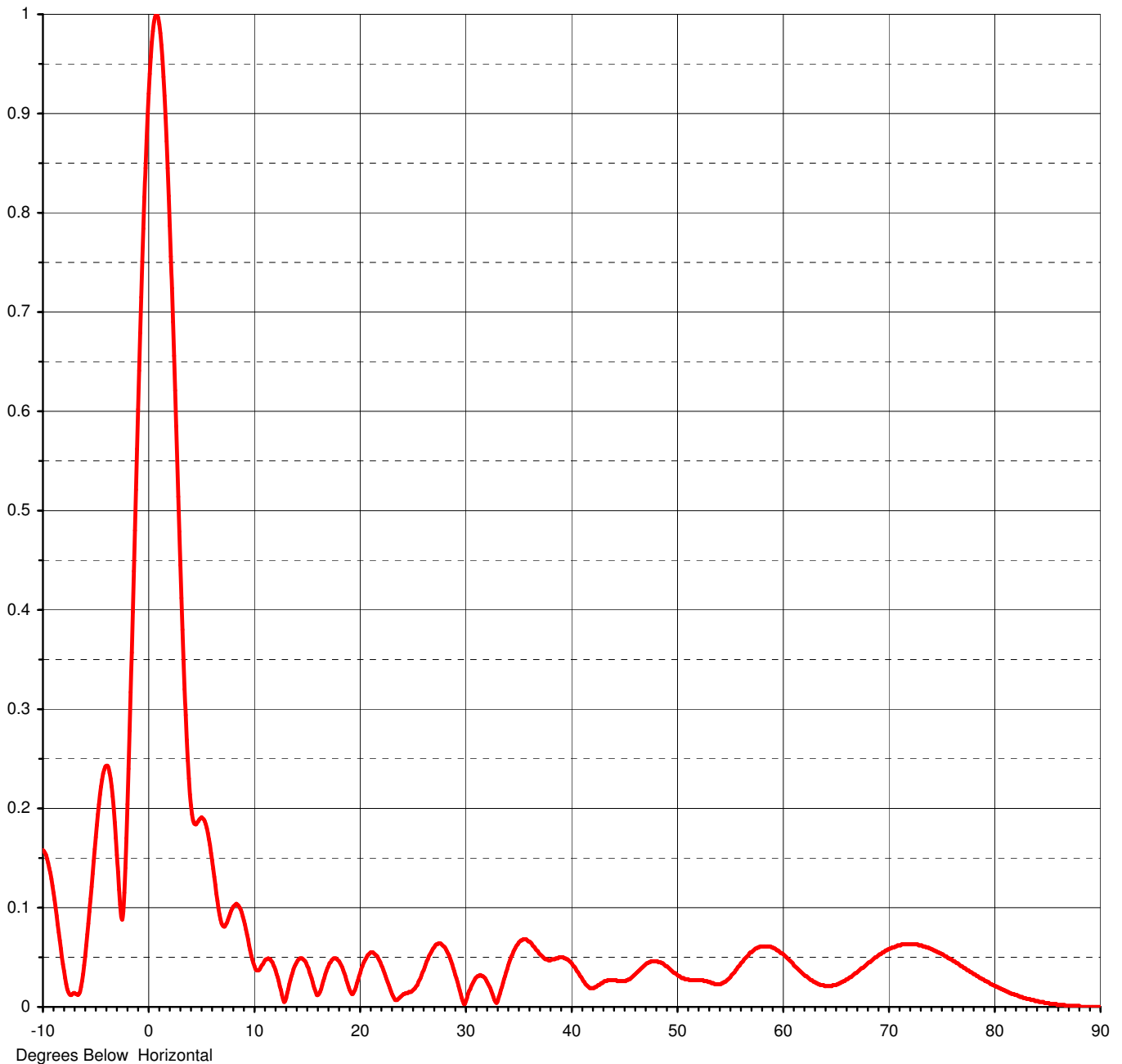
Degrees Below Horizontal



Proposal Number	<b>C-03208</b>		
Date	<b>5-Jan-09</b>		
Call Letters	<b>WMVT-DT</b>	Channel	<b>35</b>
Location	<b>Milwaukee, WI</b>		
Customer			
Antenna Type	<b>TFU-18JTH/VP-R 4S190</b>		

## ELEVATION PATTERN

RMS Gain at Main Lobe	<b>18.00 ( 12.55 dB )</b>	Beam Tilt	<b>0.75 deg</b>
RMS Gain at Horizontal	<b>15.20 ( 11.82 dB )</b>	Frequency	<b>599.00 MHz</b>
Calculated / Measured	<b>Calculated</b>	Drawing #	<b>18J180075-90</b>





Proposal Number **C-03208**  
Date **5-Jan-09**  
Call Letters **WMVT-DT** Channel **35**  
Location **Milwaukee, WI**  
Customer  
Antenna Type **TFU-18JTH/VP-R 4S190**

## TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #: **18J180075-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.158	2.4	0.656	10.6	0.038	30.5	0.018	51.0	0.028	71.5	0.063
-9.5	0.145	2.6	0.585	10.8	0.042	31.0	0.029	51.5	0.027	72.0	0.063
-9.0	0.115	2.8	0.514	11.0	0.045	31.5	0.032	52.0	0.027	72.5	0.063
-8.5	0.075	3.0	0.445	11.5	0.048	32.0	0.027	52.5	0.027	73.0	0.062
-8.0	0.036	3.2	0.380	12.0	0.040	32.5	0.016	53.0	0.025	73.5	0.060
-7.5	0.013	3.4	0.320	12.5	0.021	33.0	0.004	53.5	0.024	74.0	0.058
-7.0	0.014	3.6	0.269	13.0	0.006	33.5	0.020	54.0	0.023	74.5	0.056
-6.5	0.015	3.8	0.230	13.5	0.027	34.0	0.038	54.5	0.025	75.0	0.053
-6.0	0.051	4.0	0.203	14.0	0.043	34.5	0.053	55.0	0.029	75.5	0.050
-5.5	0.109	4.2	0.188	14.5	0.049	35.0	0.063	55.5	0.035	76.0	0.047
-5.0	0.171	4.4	0.184	15.0	0.044	35.5	0.068	56.0	0.042	76.5	0.044
-4.5	0.222	4.6	0.186	15.5	0.029	36.0	0.066	56.5	0.049	77.0	0.040
-4.0	0.243	4.8	0.189	16.0	0.012	36.5	0.061	57.0	0.055	77.5	0.037
-3.5	0.222	5.0	0.191	16.5	0.022	37.0	0.054	57.5	0.059	78.0	0.033
-3.0	0.153	5.2	0.189	17.0	0.039	37.5	0.049	58.0	0.061	78.5	0.030
-2.8	0.118	5.4	0.184	17.5	0.048	38.0	0.047	58.5	0.061	79.0	0.027
-2.6	0.091	5.6	0.175	18.0	0.047	38.5	0.048	59.0	0.060	79.5	0.024
-2.4	0.096	5.8	0.163	18.5	0.037	39.0	0.050	59.5	0.057	80.0	0.021
-2.2	0.140	6.0	0.148	19.0	0.020	39.5	0.049	60.0	0.054	80.5	0.019
-2.0	0.204	6.2	0.131	19.5	0.015	40.0	0.045	60.5	0.049	81.0	0.016
-1.8	0.278	6.4	0.114	20.0	0.031	40.5	0.038	61.0	0.044	81.5	0.014
-1.6	0.357	6.6	0.099	20.5	0.046	41.0	0.030	61.5	0.038	82.0	0.012
-1.4	0.439	6.8	0.088	21.0	0.054	41.5	0.022	62.0	0.033	82.5	0.010
-1.2	0.521	7.0	0.082	21.5	0.053	42.0	0.019	62.5	0.029	83.0	0.008
-1.0	0.602	7.2	0.081	22.0	0.045	42.5	0.021	63.0	0.025	83.5	0.007
-0.8	0.679	7.4	0.085	22.5	0.031	43.0	0.024	63.5	0.023	84.0	0.006
-0.6	0.751	7.6	0.091	23.0	0.016	43.5	0.027	64.0	0.021	84.5	0.005
-0.4	0.816	7.8	0.097	23.5	0.007	44.0	0.027	64.5	0.021	85.0	0.004
-0.2	0.873	8.0	0.101	24.0	0.011	44.5	0.026	65.0	0.022	85.5	0.003
0.0	0.920	8.2	0.103	24.5	0.014	45.0	0.026	65.5	0.025	86.0	0.002
0.2	0.957	8.4	0.103	25.0	0.016	45.5	0.028	66.0	0.028	86.5	0.002
0.4	0.983	8.6	0.100	25.5	0.022	46.0	0.032	66.5	0.031	87.0	0.001
0.6	0.997	8.8	0.095	26.0	0.035	46.5	0.037	67.0	0.035	87.5	0.001
0.8	1.000	9.0	0.087	26.5	0.048	47.0	0.042	67.5	0.039	88.0	0.001
1.0	0.990	9.2	0.078	27.0	0.059	47.5	0.045	68.0	0.044	88.5	0.000
1.2	0.969	9.4	0.068	27.5	0.064	48.0	0.046	68.5	0.048	89.0	0.000
1.4	0.937	9.6	0.057	28.0	0.061	48.5	0.045	69.0	0.052	89.5	0.000
1.6	0.896	9.8	0.052	28.5	0.052	49.0	0.041	69.5	0.055	90.0	0.000
1.8	0.845	10.0	0.044	29.0	0.036	49.5	0.037	70.0	0.058		
2.0	0.787	10.2	0.038	29.5	0.017	50.0	0.033	70.5	0.060		
2.2	0.724	10.4	0.037	30.0	0.003	50.5	0.029	71.0	0.062		

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