

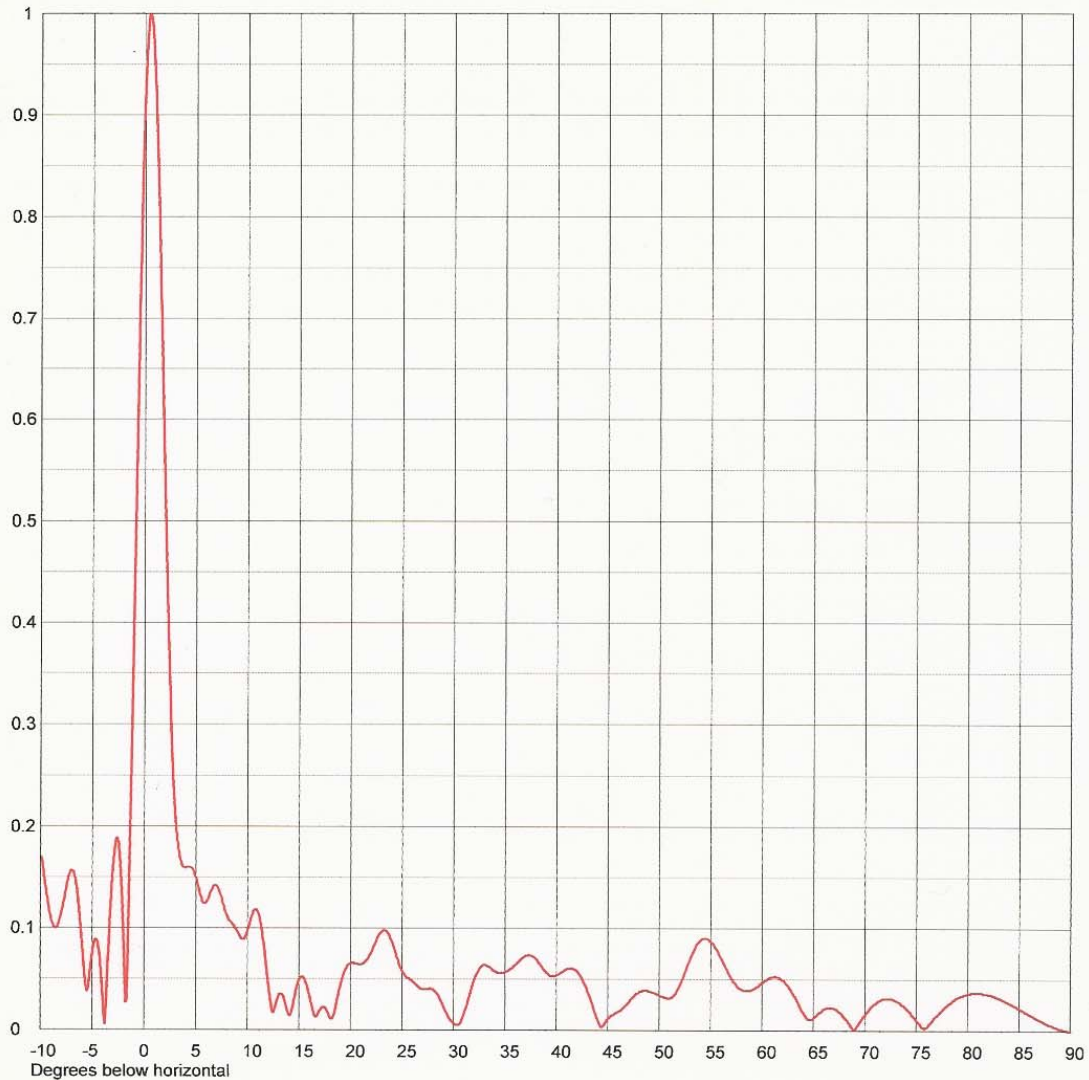
Dielectric

Exhibit No.
39-1

Date **12 Apr 2004**
Call Letters **KVLV-DT** Channel **44**
Location **Fargo, ND**
Customer
Antenna Type **TFU-28DSC-R 03**

ELEVATION PATTERN

RMS Gain at Main Lobe	24.0 (13.80 dB)	Beam Tilt	0.50 Degrees
RMS Gain at Horizontal	20.6 (13.14 dB)	Frequency	653.00 MHz
Calculated / Measured	Calculated	Drawing #	28Q240050-90





Date **12 Apr 2004**
Call Letters **KVLV-DT** Channel **44**
Location **Fargo, ND**
Customer
Antenna Type **TFU-28DSC-R 03**

Exhibit No.
39-2

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing # **28Q240050-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.177	2.4	0.355	10.6	0.117	30.5	0.005	51.0	0.031	71.5	0.030
-9.5	0.140	2.6	0.293	10.8	0.118	31.0	0.016	51.5	0.035	72.0	0.031
-9.0	0.110	2.8	0.245	11.0	0.116	31.5	0.032	52.0	0.044	72.5	0.031
-8.5	0.100	3.0	0.210	11.5	0.090	32.0	0.049	52.5	0.057	73.0	0.029
-8.0	0.114	3.2	0.187	12.0	0.047	32.5	0.060	53.0	0.070	73.5	0.026
-7.5	0.140	3.4	0.172	12.5	0.017	33.0	0.064	53.5	0.081	74.0	0.022
-7.0	0.157	3.6	0.164	13.0	0.033	33.5	0.062	54.0	0.088	74.5	0.016
-6.5	0.140	3.8	0.160	13.5	0.032	34.0	0.058	54.5	0.090	75.0	0.010
-6.0	0.086	4.0	0.159	14.0	0.015	34.5	0.056	55.0	0.087	75.5	0.004
-5.5	0.038	4.2	0.160	14.5	0.029	35.0	0.057	55.5	0.080	76.0	0.003
-5.0	0.076	4.4	0.160	15.0	0.049	35.5	0.060	56.0	0.071	76.5	0.009
-4.5	0.086	4.6	0.159	15.5	0.050	36.0	0.064	56.5	0.061	77.0	0.015
-4.0	0.032	4.8	0.156	16.0	0.034	36.5	0.069	57.0	0.051	77.5	0.020
-3.5	0.067	5.0	0.150	16.5	0.014	37.0	0.073	57.5	0.044	78.0	0.025
-3.0	0.161	5.2	0.142	17.0	0.019	37.5	0.073	58.0	0.040	78.5	0.029
-2.8	0.182	5.4	0.134	17.5	0.022	38.0	0.070	58.5	0.039	79.0	0.032
-2.6	0.189	5.6	0.127	18.0	0.012	38.5	0.063	59.0	0.040	79.5	0.034
-2.4	0.177	5.8	0.124	18.5	0.020	39.0	0.057	59.5	0.043	80.0	0.036
-2.2	0.146	6.0	0.125	19.0	0.043	39.5	0.053	60.0	0.046	80.5	0.037
-2.0	0.094	6.2	0.129	19.5	0.059	40.0	0.054	60.5	0.050	81.0	0.037
-1.8	0.027	6.4	0.135	20.0	0.065	40.5	0.057	61.0	0.052	81.5	0.036
-1.6	0.073	6.6	0.139	20.5	0.065	41.0	0.060	61.5	0.052	82.0	0.035
-1.4	0.178	6.8	0.142	21.0	0.064	41.5	0.060	62.0	0.049	82.5	0.034
-1.2	0.294	7.0	0.142	21.5	0.068	42.0	0.058	62.5	0.044	83.0	0.032
-1.0	0.417	7.2	0.138	22.0	0.076	42.5	0.050	63.0	0.036	83.5	0.030
-0.8	0.541	7.4	0.132	22.5	0.088	43.0	0.039	63.5	0.027	84.0	0.027
-0.6	0.658	7.6	0.125	23.0	0.096	43.5	0.025	64.0	0.018	84.5	0.025
-0.4	0.765	7.8	0.118	23.5	0.097	44.0	0.011	64.5	0.011	85.0	0.022
-0.2	0.856	8.0	0.112	24.0	0.087	44.5	0.004	65.0	0.012	85.5	0.019
0.0	0.927	8.2	0.108	24.5	0.071	45.0	0.011	65.5	0.017	86.0	0.016
0.2	0.975	8.4	0.106	25.0	0.058	45.5	0.015	66.0	0.021	86.5	0.013
0.4	0.998	8.6	0.103	25.5	0.051	46.0	0.018	66.5	0.022	87.0	0.011
0.6	0.996	8.8	0.100	26.0	0.048	46.5	0.022	67.0	0.022	87.5	0.008
0.8	0.970	9.0	0.097	26.5	0.043	47.0	0.027	67.5	0.018	88.0	0.006
1.0	0.923	9.2	0.093	27.0	0.040	47.5	0.033	68.0	0.013	88.5	0.004
1.2	0.858	9.4	0.090	27.5	0.040	48.0	0.037	68.5	0.007	89.0	0.002
1.4	0.779	9.6	0.089	28.0	0.040	48.5	0.039	69.0	0.001	89.5	0.001
1.6	0.692	9.8	0.091	28.5	0.034	49.0	0.038	69.5	0.008	90.0	0.000
1.8	0.601	10.0	0.097	29.0	0.023	49.5	0.037	70.0	0.015		
2.0	0.512	10.2	0.104	29.5	0.013	50.0	0.034	70.5	0.022		
2.2	0.429	10.4	0.111	30.0	0.007	50.5	0.032	71.0	0.026		