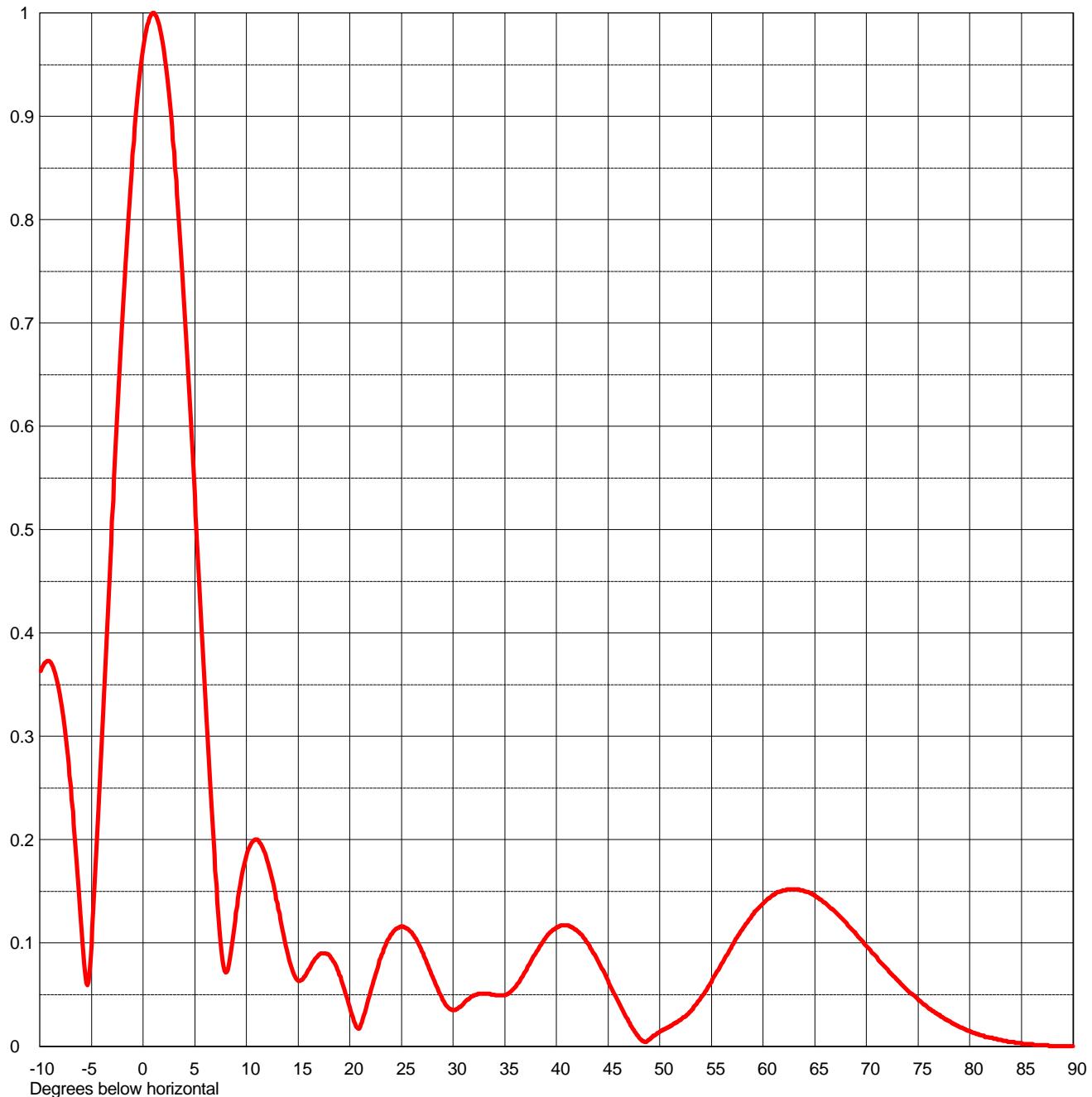# Dielectric

Date | **01 Apr 2004**
Call Letters | **WYOW-DT** Channel **28**
Location | **Eagle River, WI**
Customer | **WAOW-WYOW Television, Inc.**
Antenna Type | **TFU-8DSB-G**

ELEVATION PATTERN

RMS Gain at Main Lobe	**8.0**	**(9.03 dB)**	Beam Tilt	**1.00 Degrees**
RMS Gain at Horizontal	**7.4**	**(8.69 dB)**	Frequency	**557.00 MHz**
Calculated / Measured	**Calculated**		Drawing #	**08B080100-90**

Degrees below horizontal

Remarks:

Dielectric

Date	**01 Apr 2004**
Call Letters	**WYOW-DT** Channel **28**
Location	**Eagle River, WI**
Customer	**WAOW-WYOW Television, Inc.**
Antenna Type	**TFU-8DSB-G**

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #   **08B080100-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.360	2.4	0.932	10.6	0.198	30.5	0.037	51.0	0.019	71.5	0.080
-9.5	0.371	2.6	0.912	10.8	0.200	31.0	0.041	51.5	0.022	72.0	0.075
-9.0	0.372	2.8	0.889	11.0	0.200	31.5	0.045	52.0	0.025	72.5	0.069
-8.5	0.361	3.0	0.865	11.5	0.194	32.0	0.049	52.5	0.029	73.0	0.064
-8.0	0.337	3.2	0.838	12.0	0.180	32.5	0.051	53.0	0.034	73.5	0.059
-7.5	0.300	3.4	0.810	12.5	0.161	33.0	0.051	53.5	0.040	74.0	0.054
-7.0	0.251	3.6	0.780	13.0	0.138	33.5	0.051	54.0	0.047	74.5	0.050
-6.5	0.189	3.8	0.748	13.5	0.113	34.0	0.050	54.5	0.054	75.0	0.045
-6.0	0.119	4.0	0.714	14.0	0.090	34.5	0.049	55.0	0.062	75.5	0.041
-5.5	0.061	4.2	0.680	14.5	0.072	35.0	0.049	55.5	0.071	76.0	0.037
-5.0	0.098	4.4	0.644	15.0	0.063	35.5	0.052	56.0	0.080	76.5	0.034
-4.5	0.191	4.6	0.608	15.5	0.065	36.0	0.057	56.5	0.088	77.0	0.030
-4.0	0.294	4.8	0.571	16.0	0.074	36.5	0.064	57.0	0.097	77.5	0.027
-3.5	0.401	5.0	0.533	16.5	0.082	37.0	0.072	57.5	0.105	78.0	0.024
-3.0	0.507	5.2	0.495	17.0	0.088	37.5	0.081	58.0	0.113	78.5	0.021
-2.8	0.548	5.4	0.457	17.5	0.090	38.0	0.090	58.5	0.120	79.0	0.019
-2.6	0.589	5.6	0.418	18.0	0.088	38.5	0.098	59.0	0.127	79.5	0.017
-2.4	0.628	5.8	0.381	18.5	0.081	39.0	0.105	59.5	0.133	80.0	0.015
-2.2	0.667	6.0	0.343	19.0	0.069	39.5	0.111	60.0	0.138	80.5	0.013
-2.0	0.704	6.2	0.306	19.5	0.055	40.0	0.115	60.5	0.143	81.0	0.011
-1.8	0.739	6.4	0.270	20.0	0.038	40.5	0.117	61.0	0.146	81.5	0.009
-1.6	0.773	6.6	0.235	20.5	0.022	41.0	0.117	61.5	0.149	82.0	0.008
-1.4	0.805	6.8	0.202	21.0	0.019	41.5	0.115	62.0	0.151	82.5	0.007
-1.2	0.835	7.0	0.170	21.5	0.033	42.0	0.112	62.5	0.152	83.0	0.006
-1.0	0.863	7.2	0.140	22.0	0.052	42.5	0.107	63.0	0.152	83.5	0.005
-0.8	0.888	7.4	0.114	22.5	0.070	43.0	0.100	63.5	0.152	84.0	0.004
-0.6	0.911	7.6	0.092	23.0	0.086	43.5	0.092	64.0	0.150	84.5	0.003
-0.4	0.932	7.8	0.077	23.5	0.098	44.0	0.083	64.5	0.148	85.0	0.003
-0.2	0.950	8.0	0.071	24.0	0.108	44.5	0.074	65.0	0.146	85.5	0.002
0.0	0.965	8.2	0.074	24.5	0.114	45.0	0.063	65.5	0.142	86.0	0.002
0.2	0.978	8.4	0.085	25.0	0.116	45.5	0.053	66.0	0.139	86.5	0.001
0.4	0.988	8.6	0.099	25.5	0.114	46.0	0.043	66.5	0.134	87.0	0.001
0.6	0.995	8.8	0.114	26.0	0.110	46.5	0.033	67.0	0.130	87.5	0.001
0.8	0.999	9.0	0.129	26.5	0.102	47.0	0.024	67.5	0.125	88.0	0.000
1.0	1.000	9.2	0.143	27.0	0.092	47.5	0.016	68.0	0.120	88.5	0.000
1.2	0.998	9.4	0.155	27.5	0.080	48.0	0.008	68.5	0.114	89.0	0.000
1.4	0.994	9.6	0.167	28.0	0.068	48.5	0.004	69.0	0.109	89.5	0.000
1.6	0.987	9.8	0.176	28.5	0.056	49.0	0.006	69.5	0.103	90.0	0.000
1.8	0.977	10.0	0.184	29.0	0.045	49.5	0.010	70.0	0.097		
2.0	0.965	10.2	0.191	29.5	0.038	50.0	0.014	70.5	0.091		
2.2	0.949	10.4	0.195	30.0	0.035	50.5	0.017	71.0	0.086		

Remarks: