



Proposal Number

DCA-9481

Date

13-Jul-01

Call Letters

WCGV

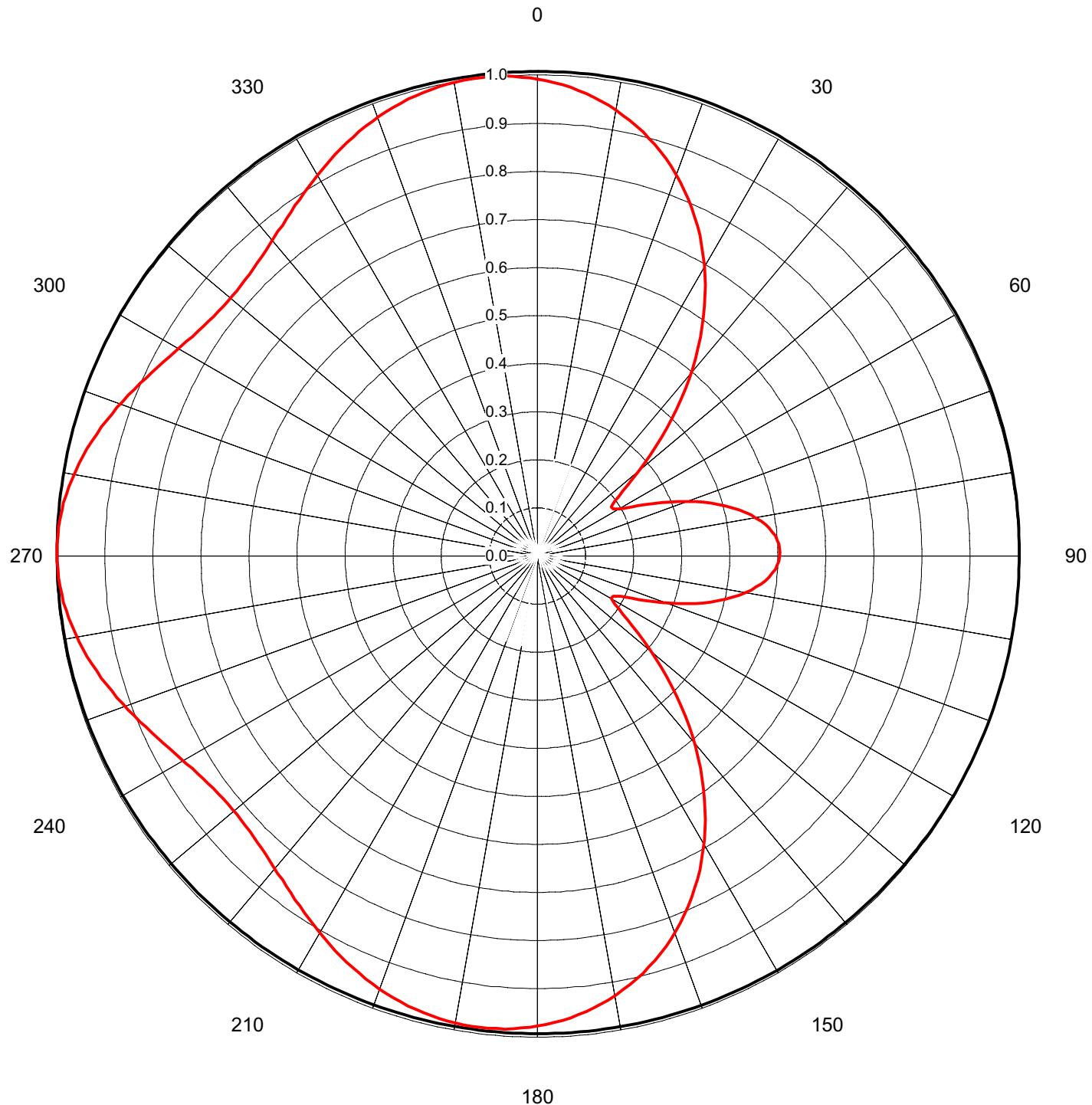
Channel

24

Location

Customer

Antenna Type

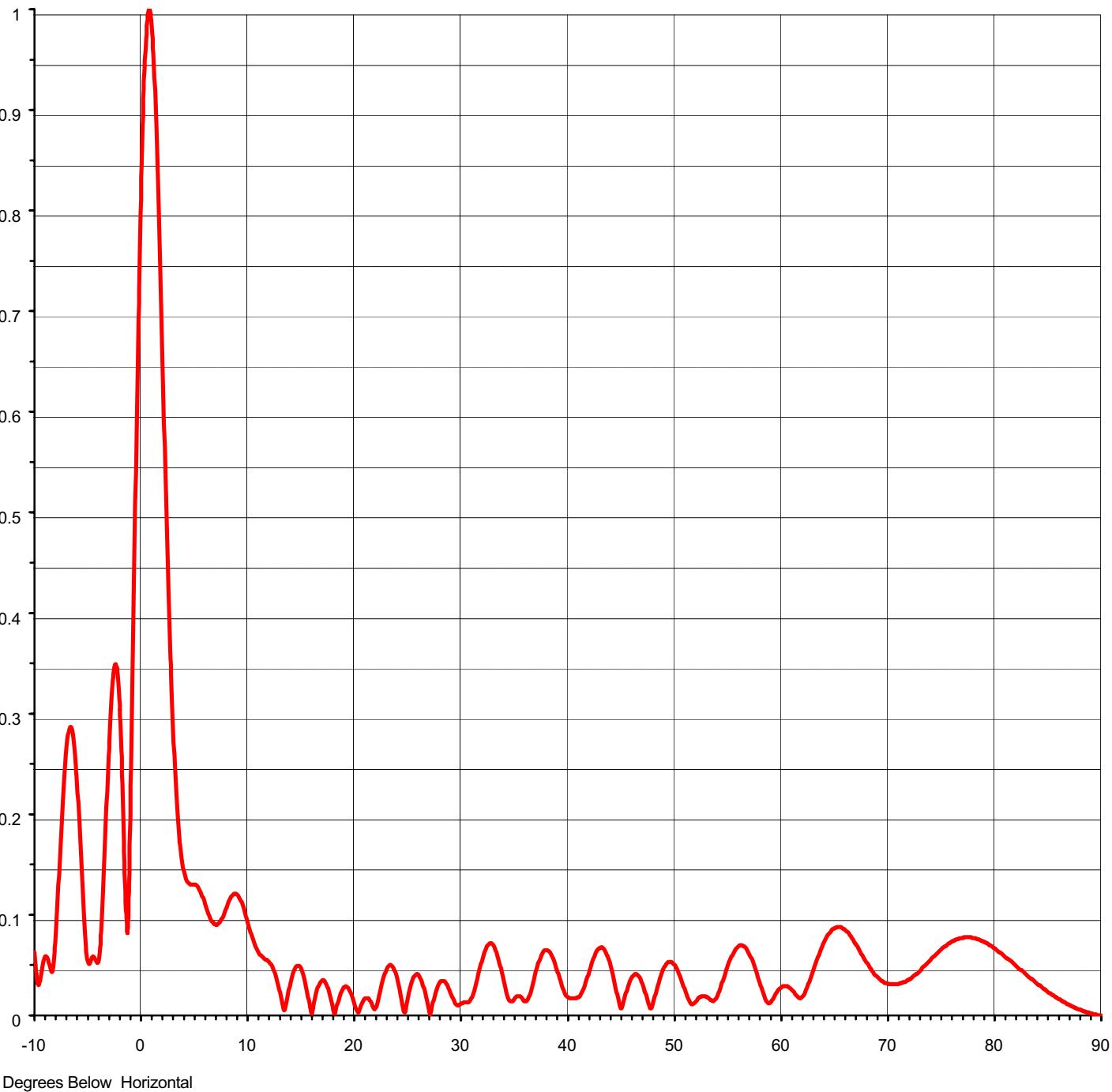
TFU-28DSC-R CT170 DC**AZIMUTH PATTERN**Gain **1.80**
Calculated / Measured **(2.55 dB)**
CalculatedFrequency
Drawing #
533.00 MHz
TFU-CT170-24



Proposal Number **DCA-9481**
Date **13-Jul-01**
Call Letters **WCGV** Channel **24**
Location **Milwaukee, WI**
Customer
Antenna Type **TFU-28DSC-R CT170 DC**

ELEVATION PATTERN

RMS Gain at Main Lobe	22.00 (13.42 dB)	Beam Tilt	0.75 deg
RMS Gain at Horizontal	14.90 (11.73 dB)	Frequency	533.00 MHz
Calculated / Measured	Calculated	Drawing #	28Q220075-90



Degrees Below Horizontal



Proposal Number **DCA-9481**
Date **13-Jul-01**
Call Letters **WCGV** Channel **24**
Location **Milwaukee, WI**
Customer
Antenna Type **TFU-28DSC-R CT170 DC**

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #: **28Q220075-90**

Angle	Field										
-10.0	0.063	2.4	0.484	10.6	0.075	30.5	0.013	51.0	0.027	71.5	0.033
-9.5	0.034	2.6	0.408	10.8	0.069	31.0	0.016	51.5	0.014	72.0	0.036
-9.0	0.059	2.8	0.340	11.0	0.065	31.5	0.032	52.0	0.013	72.5	0.040
-8.5	0.046	3.0	0.284	11.5	0.058	32.0	0.053	52.5	0.018	73.0	0.044
-8.0	0.080	3.2	0.238	12.0	0.054	32.5	0.069	53.0	0.019	73.5	0.050
-7.5	0.181	3.4	0.202	12.5	0.045	33.0	0.071	53.5	0.015	74.0	0.055
-7.0	0.265	3.6	0.175	13.0	0.028	33.5	0.059	54.0	0.017	74.5	0.061
-6.5	0.285	3.8	0.156	13.5	0.005	34.0	0.038	54.5	0.031	75.0	0.066
-6.0	0.230	4.0	0.143	14.0	0.028	34.5	0.017	55.0	0.047	75.5	0.070
-5.5	0.130	4.2	0.135	14.5	0.046	35.0	0.015	55.5	0.060	76.0	0.074
-5.0	0.053	4.4	0.132	15.0	0.048	35.5	0.019	56.0	0.068	76.5	0.076
-4.5	0.059	4.6	0.130	15.5	0.031	36.0	0.014	56.5	0.069	77.0	0.077
-4.0	0.054	4.8	0.130	16.0	0.004	36.5	0.020	57.0	0.063	77.5	0.078
-3.5	0.141	5.0	0.130	16.5	0.022	37.0	0.040	57.5	0.051	78.0	0.077
-3.0	0.271	5.2	0.129	17.0	0.034	37.5	0.057	58.0	0.035	78.5	0.076
-2.8	0.312	5.4	0.126	17.5	0.030	38.0	0.065	58.5	0.019	79.0	0.073
-2.6	0.339	5.6	0.122	18.0	0.011	38.5	0.061	59.0	0.012	79.5	0.070
-2.4	0.349	5.8	0.117	18.5	0.012	39.0	0.047	59.5	0.020	80.0	0.067
-2.2	0.337	6.0	0.110	19.0	0.026	39.5	0.030	60.0	0.027	80.5	0.063
-2.0	0.304	6.2	0.104	19.5	0.027	40.0	0.019	60.5	0.029	81.0	0.058
-1.8	0.248	6.4	0.099	20.0	0.015	40.5	0.017	61.0	0.026	81.5	0.054
-1.6	0.173	6.6	0.094	20.5	0.004	41.0	0.018	61.5	0.020	82.0	0.049
-1.4	0.097	6.8	0.091	21.0	0.016	41.5	0.025	62.0	0.018	82.5	0.045
-1.2	0.106	7.0	0.090	21.5	0.015	42.0	0.040	62.5	0.027	83.0	0.040
-1.0	0.213	7.2	0.091	22.0	0.006	42.5	0.057	63.0	0.042	83.5	0.036
-0.8	0.343	7.4	0.093	22.5	0.024	43.0	0.067	63.5	0.057	84.0	0.031
-0.6	0.475	7.6	0.097	23.0	0.043	43.5	0.066	64.0	0.071	84.5	0.027
-0.4	0.604	7.8	0.102	23.5	0.050	44.0	0.053	64.5	0.082	85.0	0.023
-0.2	0.721	8.0	0.107	24.0	0.040	44.5	0.031	65.0	0.087	85.5	0.020
0.0	0.822	8.2	0.113	24.5	0.016	45.0	0.008	65.5	0.088	86.0	0.016
0.2	0.903	8.4	0.117	25.0	0.013	45.5	0.021	66.0	0.085	86.5	0.013
0.4	0.960	8.6	0.120	25.5	0.034	46.0	0.036	66.5	0.079	87.0	0.010
0.6	0.993	8.8	0.121	26.0	0.041	46.5	0.041	67.0	0.071	87.5	0.008
0.8	1.000	9.0	0.120	26.5	0.030	47.0	0.033	67.5	0.061	88.0	0.006
1.0	0.983	9.2	0.117	27.0	0.009	47.5	0.017	68.0	0.052	88.5	0.004
1.2	0.945	9.4	0.113	27.5	0.015	48.0	0.009	68.5	0.044	89.0	0.002
1.4	0.889	9.6	0.107	28.0	0.031	48.5	0.029	69.0	0.038	89.5	0.001
1.6	0.818	9.8	0.103	28.5	0.034	49.0	0.045	69.5	0.034	90.0	0.000
1.8	0.738	10.0	0.096	29.0	0.025	49.5	0.053	70.0	0.031		
2.0	0.652	10.2	0.088	29.5	0.012	50.0	0.051	70.5	0.031		
2.2	0.566	10.4	0.081	30.0	0.011	50.5	0.041	71.0	0.031		