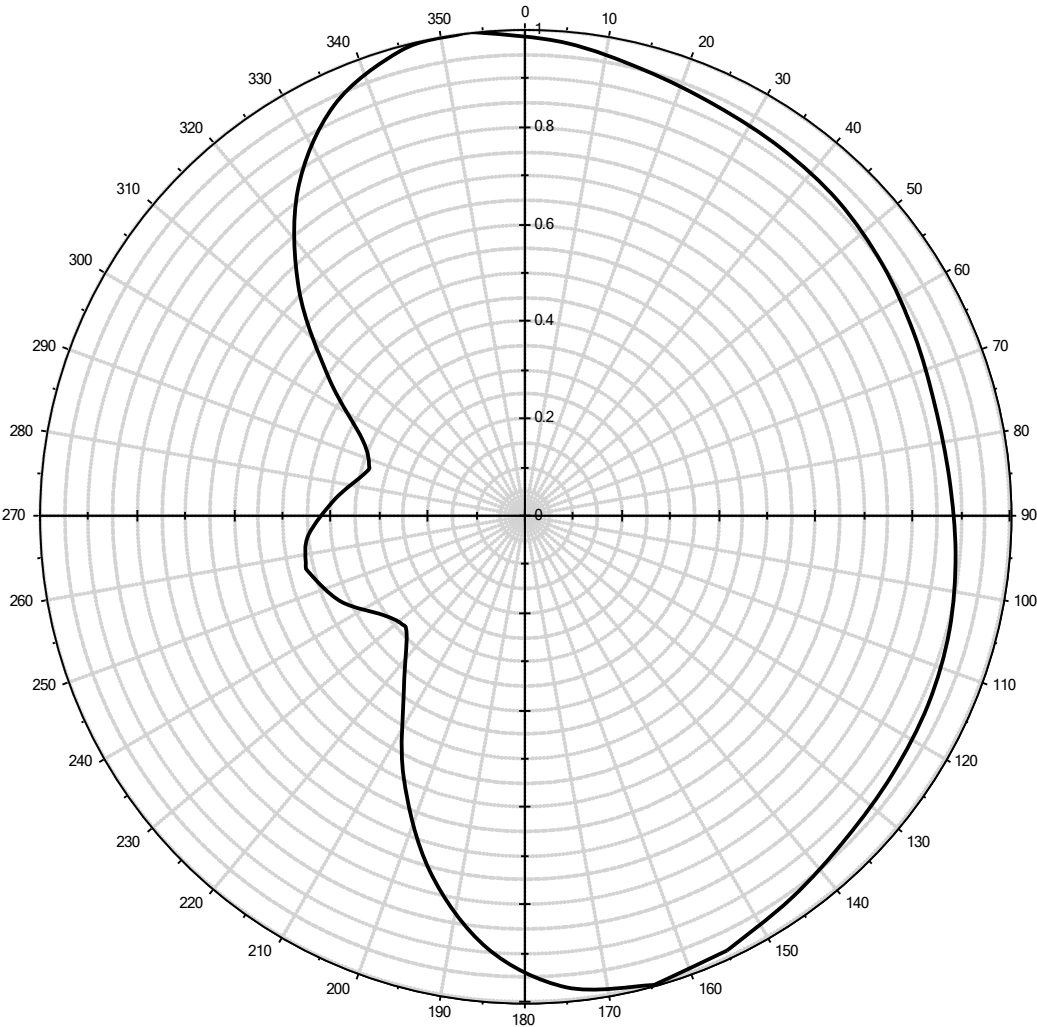




# DA Inquiry

du Treil, Lundin, & Rackley, Inc., Sarasota, Florida

**Antenna Pattern:** Antenna ID: 87678



Antenna ID: 87678 Rotation: 155.00°

**Antenna Details:**

0°	0.987	60°	0.435	120°	0.393	180°	0.932	240°	0.923	300°	0.892	9°	1.000
10°	1.000	70°	0.345	130°	0.341	190°	0.991	250°	0.915	310°	0.907	74°	0.338
20°	0.974	80°	0.356	140°	0.369	200°	0.998	260°	0.901	320°	0.918	103°	0.462
30°	0.893	90°	0.418	150°	0.493	210°	0.977	270°	0.886	330°	0.926	133°	0.338
40°	0.757	100°	0.459	160°	0.659	220°	0.950	280°	0.876	340°	0.938	197°	1.000
50°	0.592	110°	0.448	170°	0.817	230°	0.932	290°	0.879	350°	0.960		

Antenna Make: DIE

Standard Pattern:

Antenna Model: TFU-24ETT-R-4C160SP

Last Change Date:



Date  
Call Letters  
Location  
Customer  
Antenna Type

25 Aug 2009  
WPXD-TV  
Ann Arbor, MI

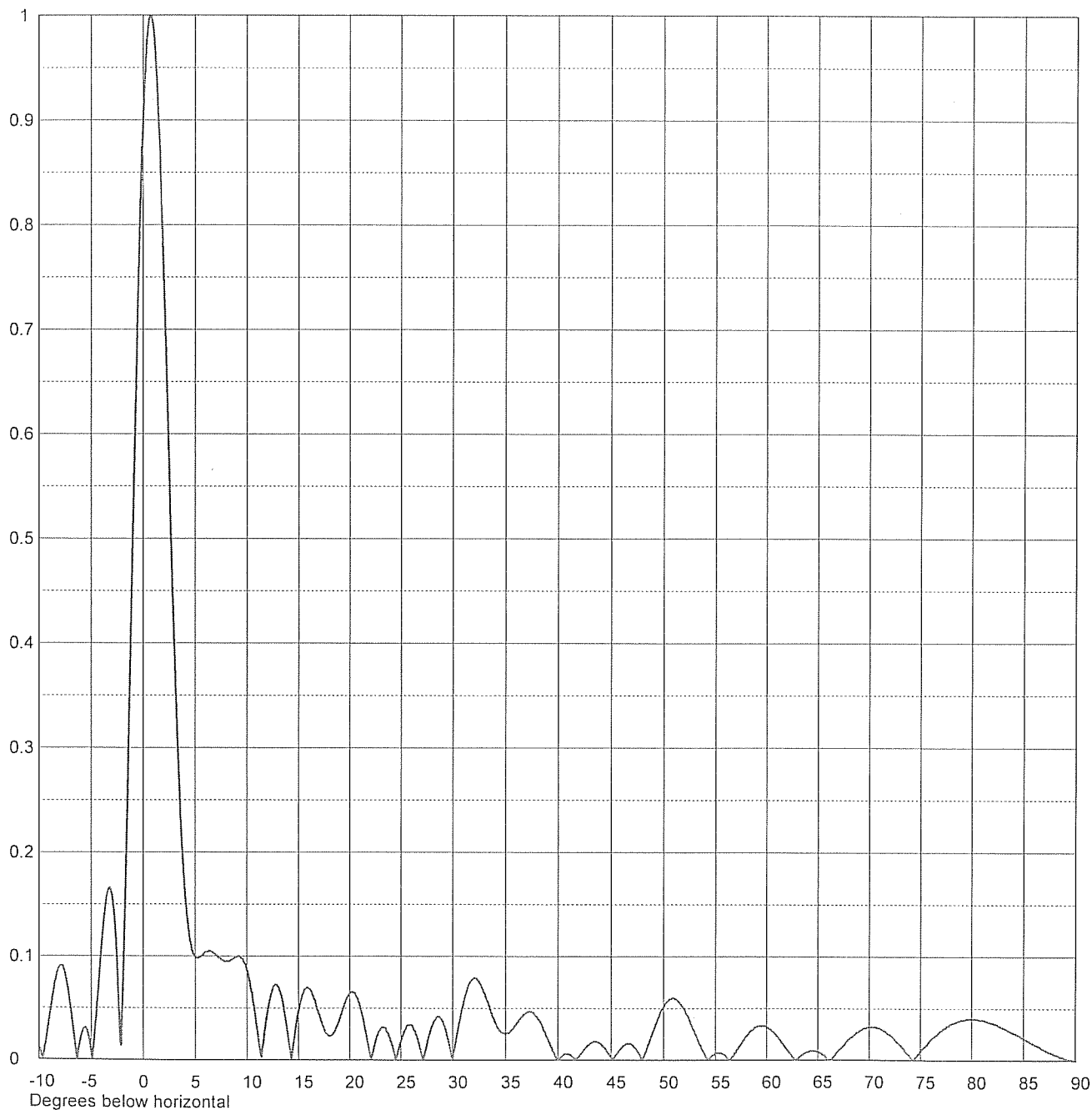
Channel 50

### ELEVATION PATTERN

RMS Gain at Main Lobe  
RMS Gain at Horizontal  
Calculated / Measured

21.5 (13.32 dB)  
17.3 (12.38 dB)  
Calculated

Beam Tilt 0.75 Degrees  
Frequency 689.00 MHz  
Drawing # 24G215075-90



Remarks:



Date

25 Aug 2009

Call Letters

WPXD-TV

Channel

50

Location

Ann Arbor, MI

Customer

Antenna Type

## TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #

24G215075-90

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.014	2.4	0.603	10.6	0.057	30.5	0.030	51.0	0.060	71.5	0.028
-9.5	0.007	2.6	0.531	10.8	0.044	31.0	0.054	51.5	0.056	72.0	0.025
-9.0	0.040	2.8	0.461	11.0	0.029	31.5	0.072	52.0	0.049	72.5	0.020
-8.5	0.073	3.0	0.396	11.5	0.011	32.0	0.079	52.5	0.039	73.0	0.015
-8.0	0.090	3.2	0.336	12.0	0.047	32.5	0.076	53.0	0.027	73.5	0.009
-7.5	0.084	3.4	0.282	12.5	0.069	33.0	0.065	53.5	0.015	74.0	0.003
-7.0	0.055	3.6	0.236	13.0	0.071	33.5	0.051	54.0	0.005	74.5	0.003
-6.5	0.015	3.8	0.197	13.5	0.054	34.0	0.037	54.5	0.003	75.0	0.009
-6.0	0.020	4.0	0.165	14.0	0.022	34.5	0.028	55.0	0.007	75.5	0.014
-5.5	0.031	4.2	0.141	14.5	0.015	35.0	0.025	55.5	0.007	76.0	0.020
-5.0	0.009	4.4	0.123	15.0	0.047	35.5	0.028	56.0	0.004	76.5	0.024
-4.5	0.043	4.6	0.111	15.5	0.066	36.0	0.034	56.5	0.001	77.0	0.029
-4.0	0.108	4.8	0.103	16.0	0.069	36.5	0.041	57.0	0.008	77.5	0.032
-3.5	0.157	5.0	0.099	16.5	0.060	37.0	0.046	57.5	0.016	78.0	0.035
-3.0	0.160	5.2	0.098	17.0	0.044	37.5	0.046	58.0	0.023	78.5	0.037
-2.8	0.143	5.4	0.099	17.5	0.030	38.0	0.042	58.5	0.029	79.0	0.039
-2.6	0.114	5.6	0.100	18.0	0.023	38.5	0.033	59.0	0.032	79.5	0.040
-2.4	0.072	5.8	0.102	18.5	0.027	39.0	0.021	59.5	0.033	80.0	0.040
-2.2	0.018	6.0	0.104	19.0	0.039	39.5	0.009	60.0	0.032	80.5	0.040
-2.0	0.048	6.2	0.104	19.5	0.054	40.0	0.000	60.5	0.029	81.0	0.039
-1.8	0.124	6.4	0.105	20.0	0.064	40.5	0.005	61.0	0.024	81.5	0.038
-1.6	0.209	6.6	0.104	20.5	0.065	41.0	0.006	61.5	0.017	82.0	0.036
-1.4	0.300	6.8	0.103	21.0	0.053	41.5	0.002	62.0	0.011	82.5	0.034
-1.2	0.395	7.0	0.101	21.5	0.031	42.0	0.004	62.5	0.004	83.0	0.032
-1.0	0.491	7.2	0.099	22.0	0.006	42.5	0.011	63.0	0.001	83.5	0.029
-0.8	0.586	7.4	0.098	22.5	0.017	43.0	0.016	63.5	0.005	84.0	0.027
-0.6	0.677	7.6	0.096	23.0	0.030	43.5	0.018	64.0	0.008	84.5	0.024
-0.4	0.760	7.8	0.095	23.5	0.031	44.0	0.016	64.5	0.009	85.0	0.021
-0.2	0.834	8.0	0.095	24.0	0.019	44.5	0.011	65.0	0.008	85.5	0.019
0.0	0.896	8.2	0.095	24.5	0.001	45.0	0.003	65.5	0.005	86.0	0.016
0.2	0.945	8.4	0.096	25.0	0.018	45.5	0.006	66.0	0.001	86.5	0.013
0.4	0.978	8.6	0.097	25.5	0.031	46.0	0.012	66.5	0.003	87.0	0.010
0.6	0.997	8.8	0.098	26.0	0.034	46.5	0.016	67.0	0.009	87.5	0.008
0.8	0.999	9.0	0.099	26.5	0.024	47.0	0.015	67.5	0.014	88.0	0.006
1.0	0.987	9.2	0.100	27.0	0.006	47.5	0.009	68.0	0.020	88.5	0.004
1.2	0.961	9.4	0.099	27.5	0.015	48.0	0.001	68.5	0.024	89.0	0.002
1.4	0.921	9.6	0.097	28.0	0.033	48.5	0.014	69.0	0.028	89.5	0.001
1.6	0.871	9.8	0.093	28.5	0.042	49.0	0.028	69.5	0.031	90.0	0.000
1.8	0.812	10.0	0.087	29.0	0.038	49.5	0.041	70.0	0.032		
2.0	0.746	10.2	0.079	29.5	0.022	50.0	0.051	70.5	0.032		
2.2	0.675	10.4	0.069	30.0	0.002	50.5	0.058	71.0	0.031		

Remarks: