

Proposal Number

DCA-####

Revision:

Date

10/8/1014

Call Letters

WLAJChannel **25**

Location

Lansing, MI

Customer

Antenna Type

TUF-C4-10/40H-1-T**ELEVATION PATTERN**

RMS Gain at Main Lobe

20.99 (13.22 dB)

Beam Tilt

0.70 deg

RMS Gain at Horizontal

17.00 (12.30 dB)

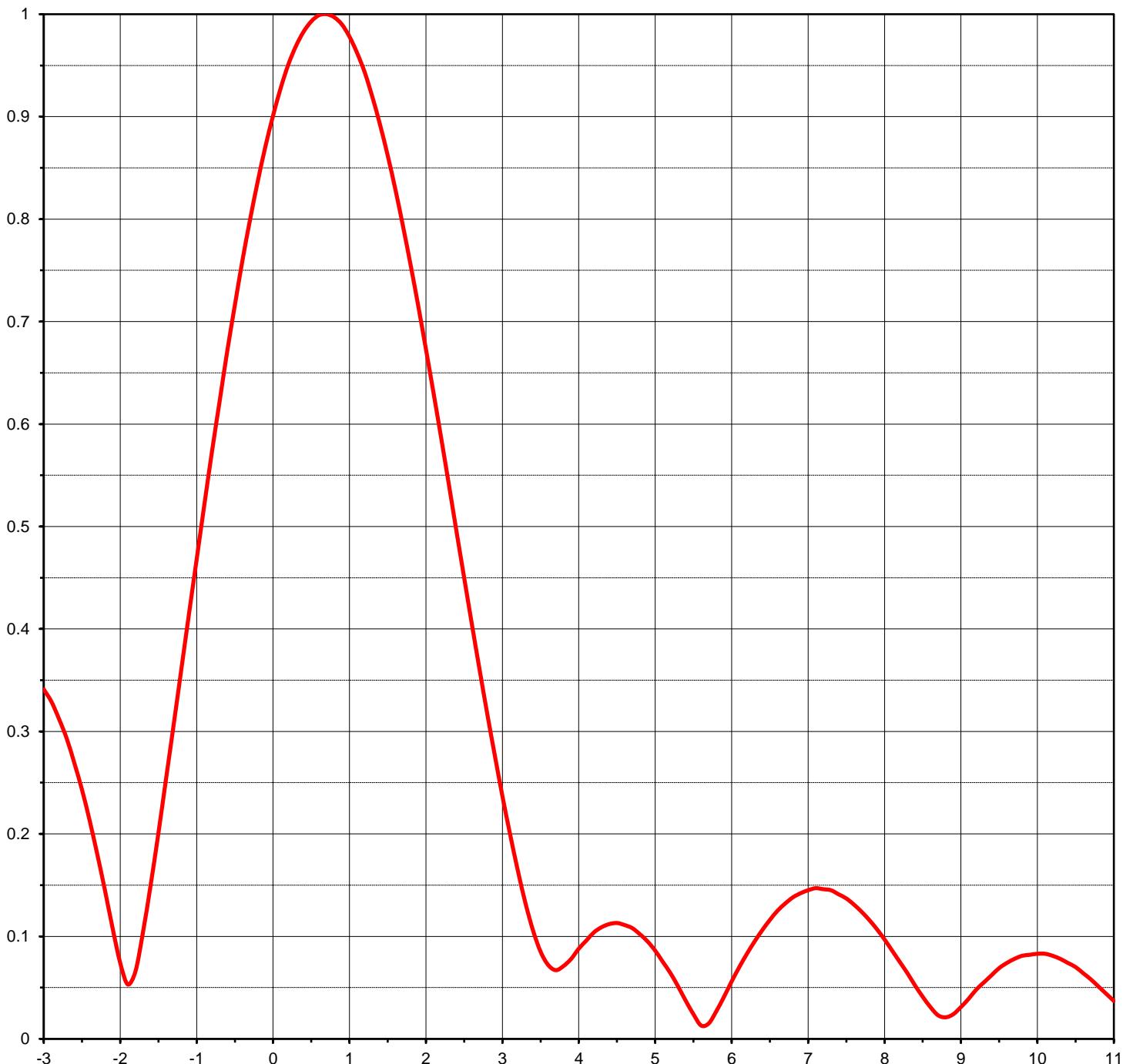
Frequency

539.00 MHz

Calculated / Measured

Calculated

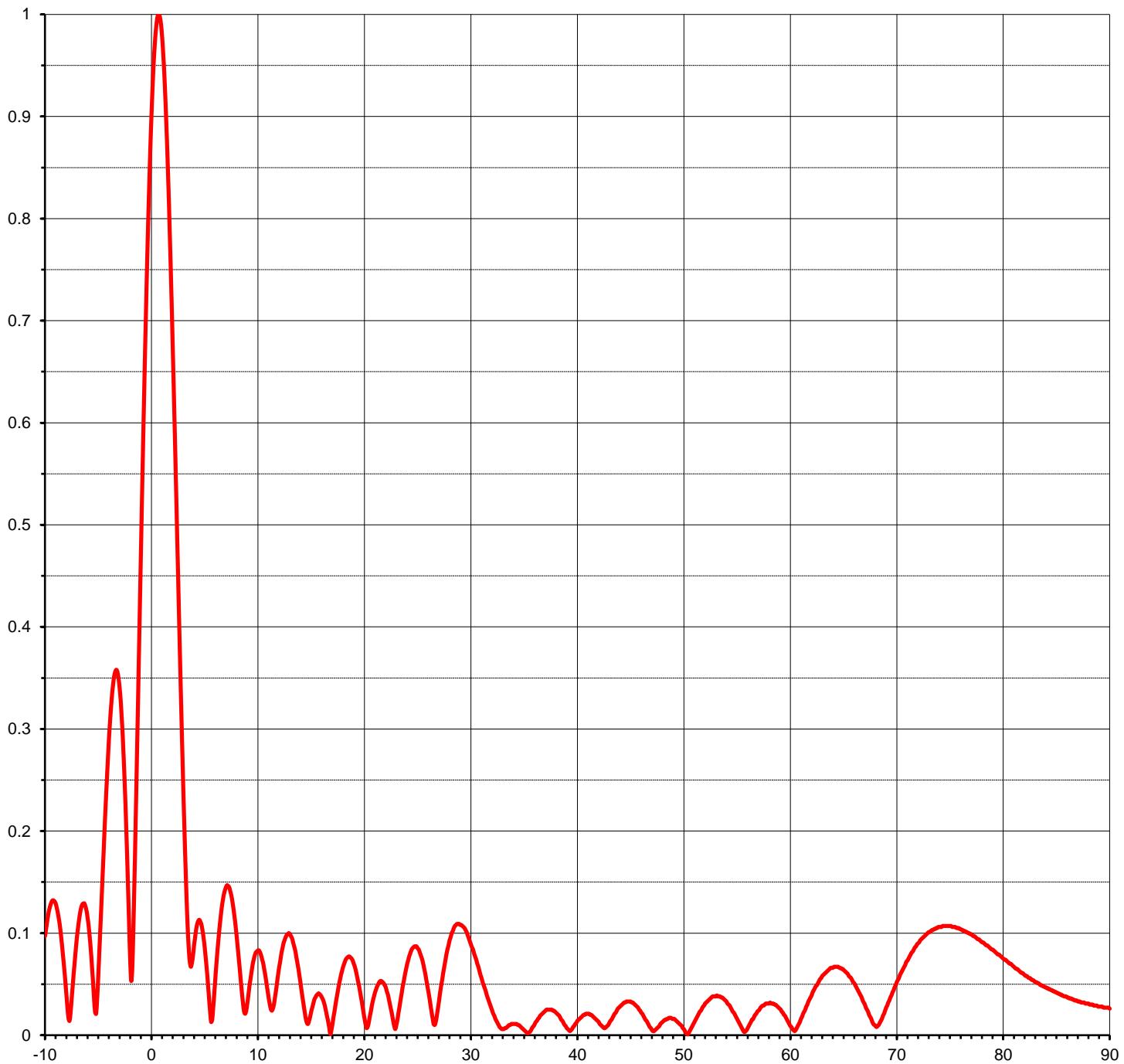
Drawing #

10U210070

Proposal Number **DCA-####** Revision:
Date **3-Mar-03**
Call Letters **WLAJ** Channel **25**
Location **Lansing, MI**
Customer
Antenna Type **TUF-C4-10/40H-1-T**

ELEVATION PATTERN

RMS Gain at Main Lobe **20.99 (13.22 dB)** Beam Tilt **0.70 deg**
RMS Gain at Horizontal **17.00 (12.30 dB)** Frequency **539.00 MHz**
Calculated / Measured **Calculated** Drawing # **10U210070-90**





Proposal Number **DCA-####** Revision:
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 Location **Lansing, MI**
 Customer
 Antenna Type **TUF-C4-10/40H-1-T**

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #: **10U210070-90**

Angle	Field										
-10.0	0.097	2.4	0.495	10.6	0.070	30.5	0.077	51.0	0.011	71.5	0.082
-9.5	0.127	2.6	0.405	10.8	0.058	31.0	0.059	51.5	0.021	72.0	0.090
-9.0	0.129	2.8	0.318	11.0	0.044	31.5	0.043	52.0	0.029	72.5	0.096
-8.5	0.098	3.0	0.237	11.5	0.026	32.0	0.027	52.5	0.035	73.0	0.101
-8.0	0.041	3.2	0.165	12.0	0.060	32.5	0.014	53.0	0.038	73.5	0.104
-7.5	0.035	3.4	0.106	12.5	0.090	33.0	0.006	53.5	0.038	74.0	0.106
-7.0	0.096	3.6	0.072	13.0	0.100	33.5	0.008	54.0	0.034	74.5	0.107
-6.5	0.128	3.8	0.071	13.5	0.087	34.0	0.011	54.5	0.027	75.0	0.107
-6.0	0.115	4.0	0.088	14.0	0.058	34.5	0.010	55.0	0.018	75.5	0.106
-5.5	0.054	4.2	0.104	14.5	0.022	35.0	0.006	55.5	0.008	76.0	0.104
-5.0	0.057	4.4	0.112	15.0	0.018	35.5	0.002	56.0	0.005	76.5	0.101
-4.5	0.178	4.6	0.111	15.5	0.037	36.0	0.009	56.5	0.015	77.0	0.099
-4.0	0.289	4.8	0.102	16.0	0.039	36.5	0.017	57.0	0.023	77.5	0.095
-3.5	0.352	5.0	0.086	16.5	0.023	37.0	0.023	57.5	0.029	78.0	0.091
-3.0	0.341	5.2	0.064	17.0	0.005	37.5	0.025	58.0	0.031	78.5	0.088
-2.8	0.312	5.4	0.037	17.5	0.037	38.0	0.023	58.5	0.031	79.0	0.084
-2.6	0.269	5.6	0.013	18.0	0.063	38.5	0.017	59.0	0.027	79.5	0.079
-2.4	0.213	5.8	0.027	18.5	0.076	39.0	0.009	59.5	0.020	80.0	0.075
-2.2	0.145	6.0	0.056	19.0	0.073	39.5	0.005	60.0	0.011	80.5	0.071
-2.0	0.074	6.2	0.083	19.5	0.053	40.0	0.012	60.5	0.004	81.0	0.067
-1.8	0.066	6.4	0.106	20.0	0.023	40.5	0.018	61.0	0.013	81.5	0.063
-1.6	0.151	6.6	0.125	20.5	0.012	41.0	0.021	61.5	0.025	82.0	0.059
-1.4	0.254	6.8	0.138	21.0	0.038	41.5	0.019	62.0	0.037	82.5	0.056
-1.2	0.361	7.0	0.145	21.5	0.052	42.0	0.014	62.5	0.048	83.0	0.052
-1.0	0.468	7.2	0.146	22.0	0.049	42.5	0.008	63.0	0.056	83.5	0.049
-0.8	0.573	7.4	0.141	22.5	0.030	43.0	0.010	63.5	0.062	84.0	0.047
-0.6	0.671	7.6	0.131	23.0	0.006	43.5	0.019	64.0	0.066	84.5	0.044
-0.4	0.760	7.8	0.116	23.5	0.035	44.0	0.027	64.5	0.067	85.0	0.042
-0.2	0.837	8.0	0.097	24.0	0.064	44.5	0.032	65.0	0.064	85.5	0.039
0.0	0.901	8.2	0.075	24.5	0.083	45.0	0.033	65.5	0.058	86.0	0.037
0.2	0.951	8.4	0.052	25.0	0.087	45.5	0.030	66.0	0.051	86.5	0.035
0.4	0.983	8.6	0.031	25.5	0.075	46.0	0.024	66.5	0.041	87.0	0.033
0.6	0.999	8.8	0.021	26.0	0.049	46.5	0.015	67.0	0.030	87.5	0.032
0.8	0.997	9.0	0.031	26.5	0.017	47.0	0.007	67.5	0.018	88.0	0.031
1.0	0.978	9.2	0.048	27.0	0.026	47.5	0.006	68.0	0.009	88.5	0.029
1.2	0.943	9.4	0.062	27.5	0.061	48.0	0.012	68.5	0.014	89.0	0.028
1.4	0.892	9.6	0.074	28.0	0.088	48.5	0.016	69.0	0.027	89.5	0.027
1.6	0.829	9.8	0.078	28.5	0.105	49.0	0.016	69.5	0.039	90.0	0.026
1.8	0.755	10.0	0.082	29.0	0.109	49.5	0.013	70.0	0.052		
2.0	0.673	10.2	0.083	29.5	0.105	50.0	0.007	70.5	0.063		
2.2	0.586	10.4	0.078	30.0	0.092	50.5	0.001	71.0	0.073		

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Date

3-Mar-03

Call Letters

WLAJ

Channel

Location

Lansing, MI

Customer

Antenna Type

TUF-C4-10/40H-1-T**25****AZIMUTH PATTERN**Gain **1.82**
Calculated / Measured **(2.60 dB)**
CalculatedFrequency
Drawing #
539.00 MHz
TUF-C4SP-5390