



Exhibit No.

Date

18 Jun 2008

Call Letters

Channel 27

Location

CHICAGO IL

Customer

Antenna Type

TUA-C3-06/18U-T

**AZIMUTH PATTERN**

Gain

1.90 (2.79 dB)

Frequency

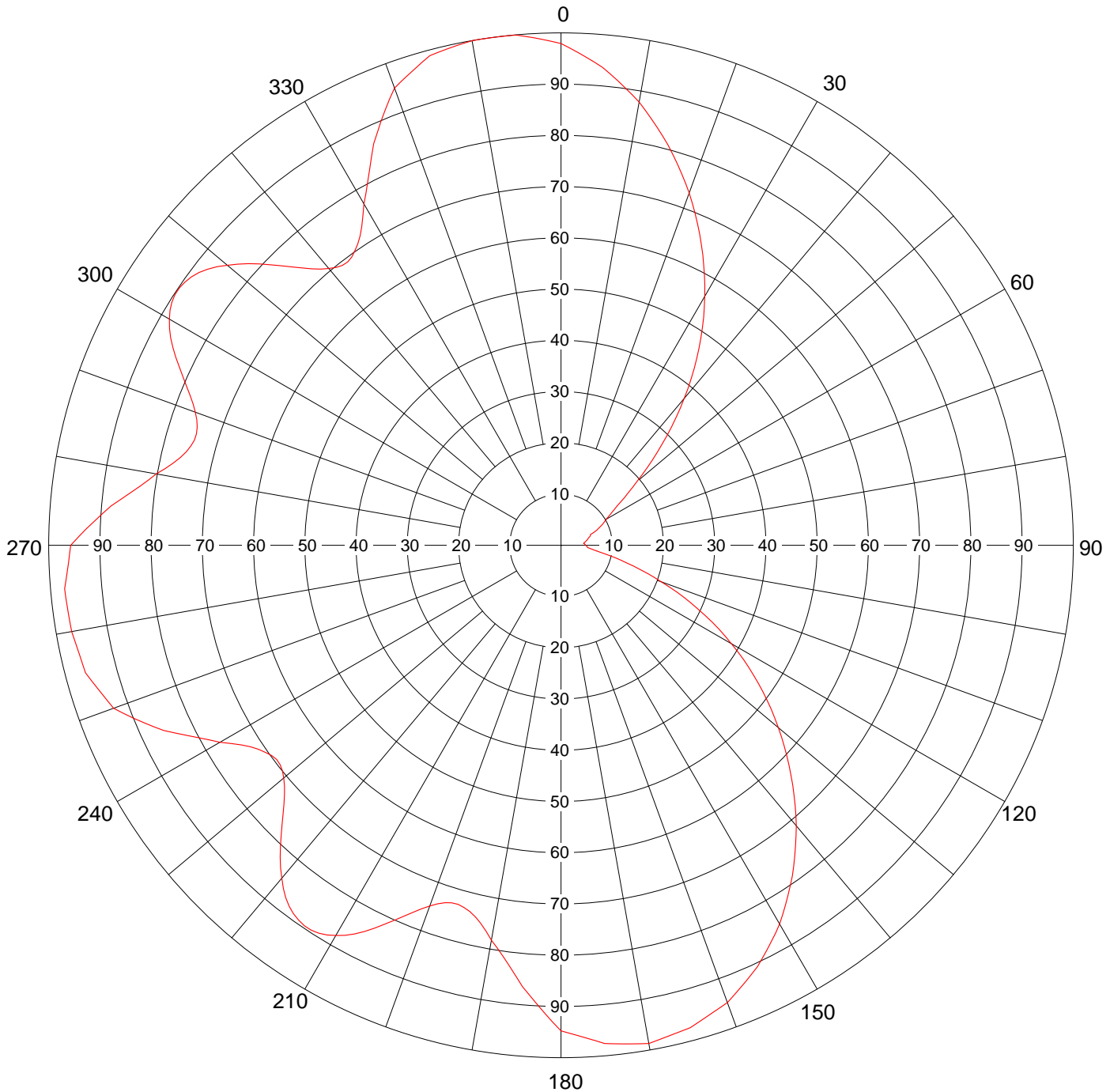
551 MHz

Calculated / Measured

Calculated

Drawing #

TUA-C3



Remarks:



Date **18 Jun 2008**  
Call Letters  
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Customer  
Antenna Type **TUA-C3-06/18U-T**  
Channel **27**

**TABULATION OF AZIMUTH PATTERN**Azimuth Pattern Drawing # **TUA-C3**

Angle	Field	ERP (kW)	ERP (dBk)
0	0.979	565.5	27.52
10	0.878	454.8	26.58
20	0.732	316.1	25.00
30	0.561	185.7	22.69
40	0.374	82.5	19.17
50	0.193	22.0	13.42
60	0.102	6.1	7.88
70	0.061	2.2	3.42
80	0.050	1.5	1.69
90	0.048	1.4	1.33
100	0.078	3.6	5.55
110	0.208	25.5	14.07
120	0.384	87.0	19.40
130	0.554	181.1	22.58
140	0.715	301.6	24.79
150	0.854	430.3	26.34
160	0.950	532.5	27.26
170	0.988	575.9	27.60
180	0.948	530.2	27.24
190	0.783	361.7	25.58
200	0.749	331.0	25.20
210	0.879	455.9	26.59
220	0.848	424.3	26.28
230	0.707	294.9	24.70
240	0.769	348.9	25.43
250	0.930	510.3	27.08
260	0.970	555.1	27.44
270	0.957	540.4	27.33
280	0.802	379.5	25.79
290	0.760	340.8	25.32
300	0.883	460.0	26.63
310	0.850	426.3	26.30
320	0.705	293.2	24.67
330	0.769	348.9	25.43
340	0.950	532.5	27.26
350	1.000	590.0	27.71

**Maxima**

Angle	Field	ERP (kW)	ERP (dBk)
0	0.979	565.5	27.52
170	0.988	575.9	27.60
214	0.896	473.7	26.75
265	0.973	558.6	27.47
304	0.898	475.8	26.77
350	1.000	590.0	27.71

**Minima**

Angle	Field	ERP (kW)	ERP (dBk)
85	0.044	1.1	0.58
196	0.729	313.6	24.96
233	0.695	285.0	24.55
287	0.744	326.6	25.14
323	0.692	282.5	24.51

Remarks:



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**ELEVATION PATTERN**

RMS Gain at Main Lobe

**12.5 (10.97 dB)**

Beam Tilt

**0.75 Degrees**

RMS Gain at Horizontal

**11.5 (10.61 dB)**

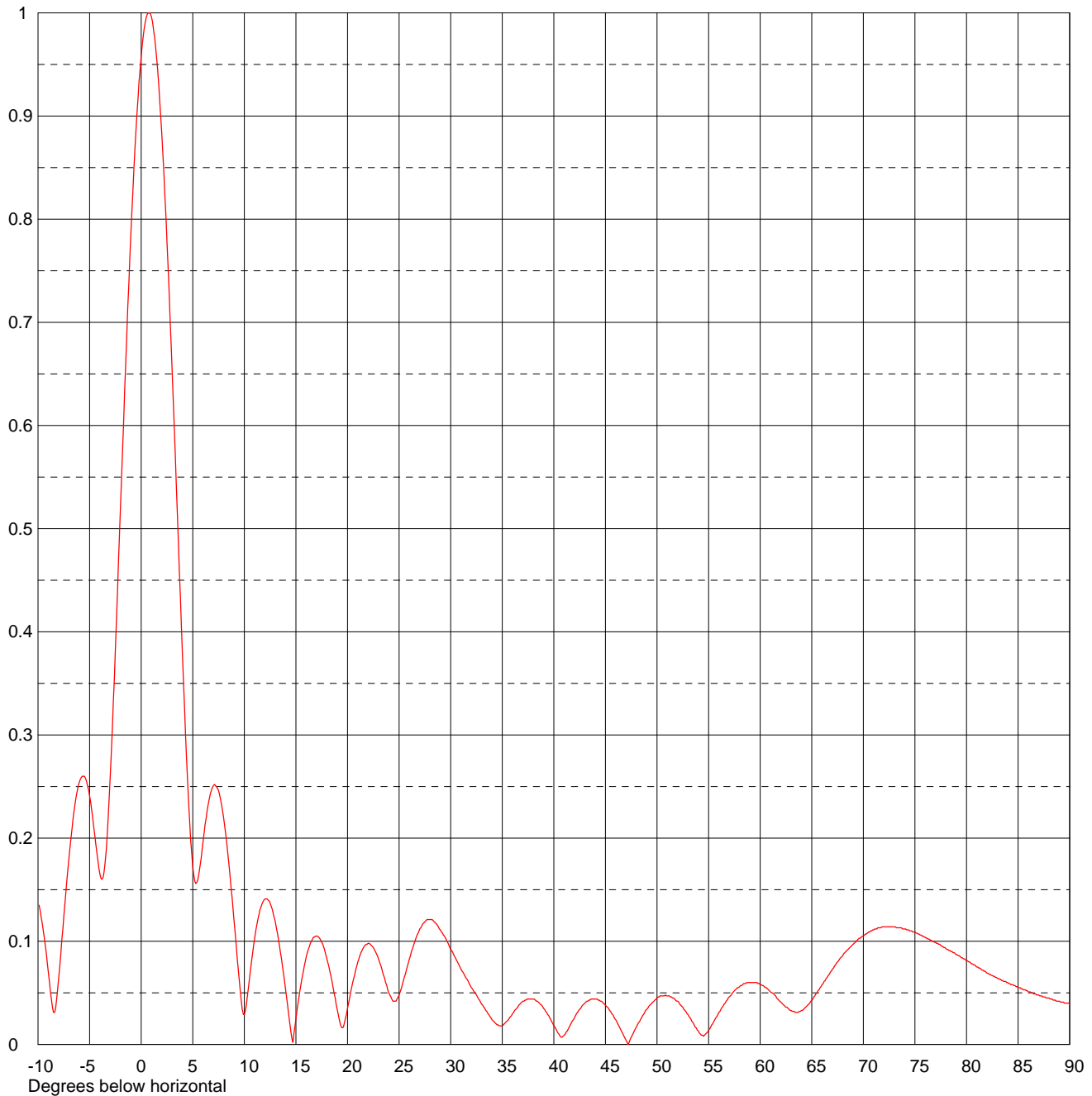
Frequency

**551.00 MHz**

Calculated / Measured

**Calculated**

Drawing #

**06U125075-90**

Remarks:



Date **17 Jun 2008**  
 Call Letters  
 Location **CHICAGO IL**  
 Customer  
 Antenna Type **TUA-C3-06/18U-T**  
 Channel **27**

## TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing # **06U125075-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.139	2.4	0.801	10.6	0.073	30.5	0.083	51.0	0.047	71.5	0.113
-9.5	0.111	2.6	0.755	10.8	0.089	31.0	0.073	51.5	0.045	72.0	0.114
-9.0	0.070	2.8	0.705	11.0	0.103	31.5	0.064	52.0	0.042	72.5	0.114
-8.5	0.031	3.0	0.653	11.5	0.130	32.0	0.055	52.5	0.036	73.0	0.114
-8.0	0.064	3.2	0.599	12.0	0.141	32.5	0.048	53.0	0.029	73.5	0.113
-7.5	0.124	3.4	0.544	12.5	0.137	33.0	0.039	53.5	0.021	74.0	0.112
-7.0	0.181	3.6	0.488	13.0	0.119	33.5	0.032	54.0	0.013	74.5	0.110
-6.5	0.227	3.8	0.432	13.5	0.089	34.0	0.024	54.5	0.008	75.0	0.109
-6.0	0.254	4.0	0.378	14.0	0.053	34.5	0.019	55.0	0.014	75.5	0.106
-5.5	0.260	4.2	0.326	14.5	0.013	35.0	0.018	55.5	0.022	76.0	0.104
-5.0	0.241	4.4	0.277	15.0	0.025	35.5	0.023	56.0	0.031	76.5	0.101
-4.5	0.203	4.6	0.234	15.5	0.059	36.0	0.030	56.5	0.039	77.0	0.099
-4.0	0.165	4.8	0.198	16.0	0.085	36.5	0.036	57.0	0.046	77.5	0.096
-3.5	0.176	5.0	0.172	16.5	0.100	37.0	0.042	57.5	0.052	78.0	0.093
-3.0	0.260	5.2	0.158	17.0	0.105	37.5	0.044	58.0	0.056	78.5	0.090
-2.8	0.306	5.4	0.157	17.5	0.099	38.0	0.044	58.5	0.059	79.0	0.087
-2.6	0.357	5.6	0.166	18.0	0.083	38.5	0.041	59.0	0.060	79.5	0.084
-2.4	0.411	5.8	0.180	18.5	0.061	39.0	0.035	59.5	0.060	80.0	0.081
-2.2	0.467	6.0	0.197	19.0	0.034	39.5	0.028	60.0	0.058	80.5	0.078
-2.0	0.523	6.2	0.213	19.5	0.016	40.0	0.018	60.5	0.055	81.0	0.075
-1.8	0.579	6.4	0.227	20.0	0.035	40.5	0.010	61.0	0.051	81.5	0.072
-1.6	0.634	6.6	0.238	20.5	0.060	41.0	0.009	61.5	0.047	82.0	0.069
-1.4	0.687	6.8	0.246	21.0	0.080	41.5	0.017	62.0	0.041	82.5	0.067
-1.2	0.738	7.0	0.251	21.5	0.093	42.0	0.026	62.5	0.036	83.0	0.064
-1.0	0.786	7.2	0.251	22.0	0.098	42.5	0.034	63.0	0.033	83.5	0.062
-0.8	0.829	7.4	0.248	22.5	0.094	43.0	0.040	63.5	0.031	84.0	0.060
-0.6	0.869	7.6	0.242	23.0	0.083	43.5	0.043	64.0	0.033	84.5	0.058
-0.4	0.904	7.8	0.232	23.5	0.067	44.0	0.044	64.5	0.037	85.0	0.055
-0.2	0.934	8.0	0.219	24.0	0.050	44.5	0.042	65.0	0.043	85.5	0.053
0.0	0.958	8.2	0.203	24.5	0.042	45.0	0.038	65.5	0.050	86.0	0.051
0.2	0.978	8.4	0.185	25.0	0.048	45.5	0.032	66.0	0.058	86.5	0.049
0.4	0.991	8.6	0.165	25.5	0.065	46.0	0.024	66.5	0.065	87.0	0.048
0.6	0.999	8.8	0.143	26.0	0.083	46.5	0.014	67.0	0.073	87.5	0.046
0.8	1.000	9.0	0.120	26.5	0.099	47.0	0.004	67.5	0.080	88.0	0.045
1.0	0.996	9.2	0.097	27.0	0.112	47.5	0.007	68.0	0.086	88.5	0.043
1.2	0.984	9.4	0.074	27.5	0.119	48.0	0.017	68.5	0.092	89.0	0.042
1.4	0.967	9.6	0.052	28.0	0.121	48.5	0.026	69.0	0.097	89.5	0.040
1.6	0.944	9.8	0.034	28.5	0.118	49.0	0.034	69.5	0.102	90.0	0.039
1.8	0.915	10.0	0.029	29.0	0.111	49.5	0.040	70.0	0.105		
2.0	0.882	10.2	0.039	29.5	0.103	50.0	0.045	70.5	0.109		
2.2	0.844	10.4	0.055	30.0	0.092	50.5	0.047	71.0	0.111		

Remarks: