

Station KNTV-DT • DTV Channel 12 • San Jose, California

Proposed Azimuth Pattern

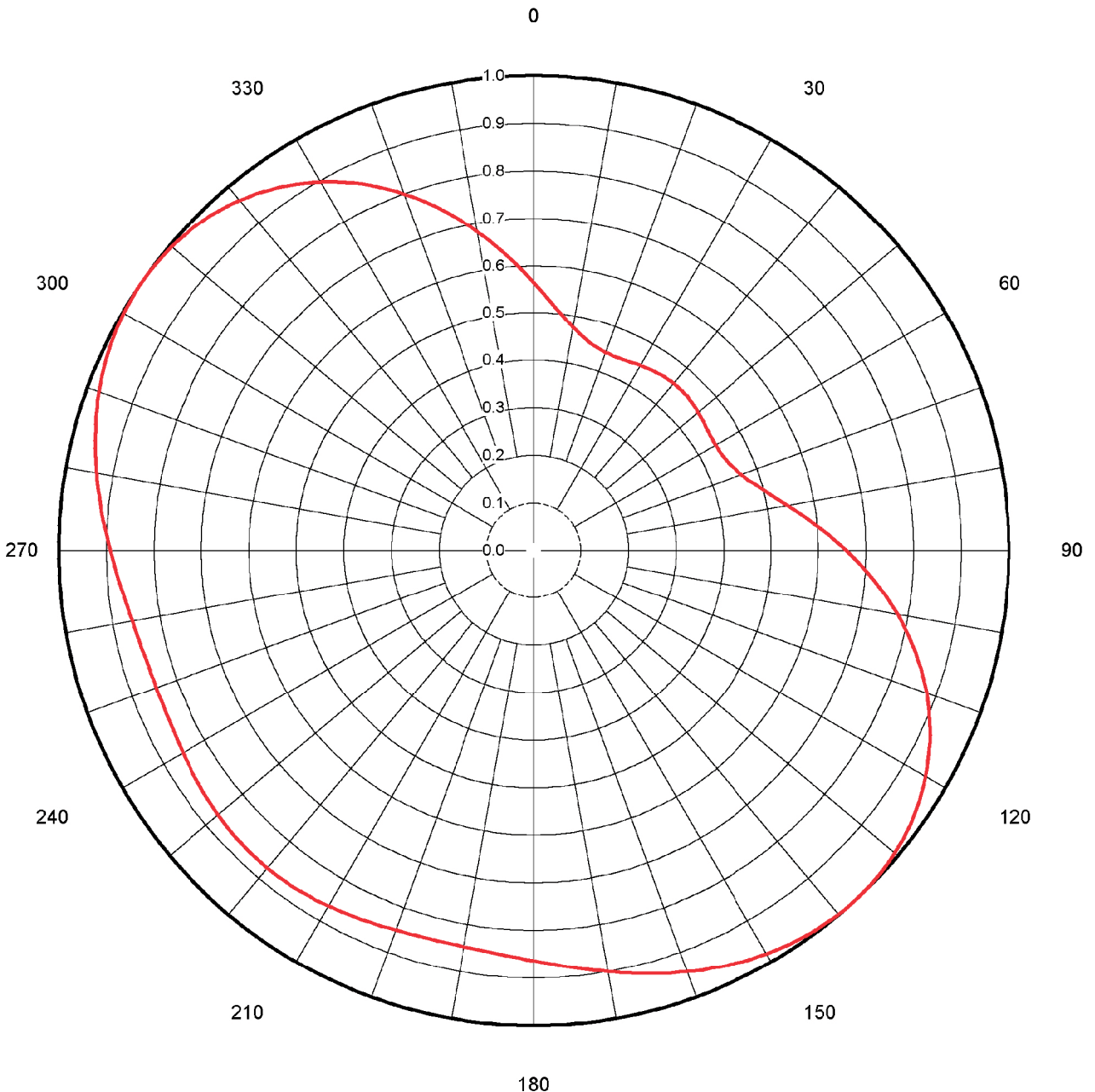


Proposal Number	DCA-10282		
Date	17-Jul-03		
Call Letters	KNTV-DT	Channel	12
Location	San Jose, CA		
Customer			
Antenna Type	THV-6A12/VP-R C150SP (S)		

AZIMUTH PATTERN

Gain **1.50** (1.76 dB)
Calculated / Measured **Calculated**

Frequency **207.00 MHz**
Drawing # **THV-C150SP-HP**



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Exhibit 40, Figure 1

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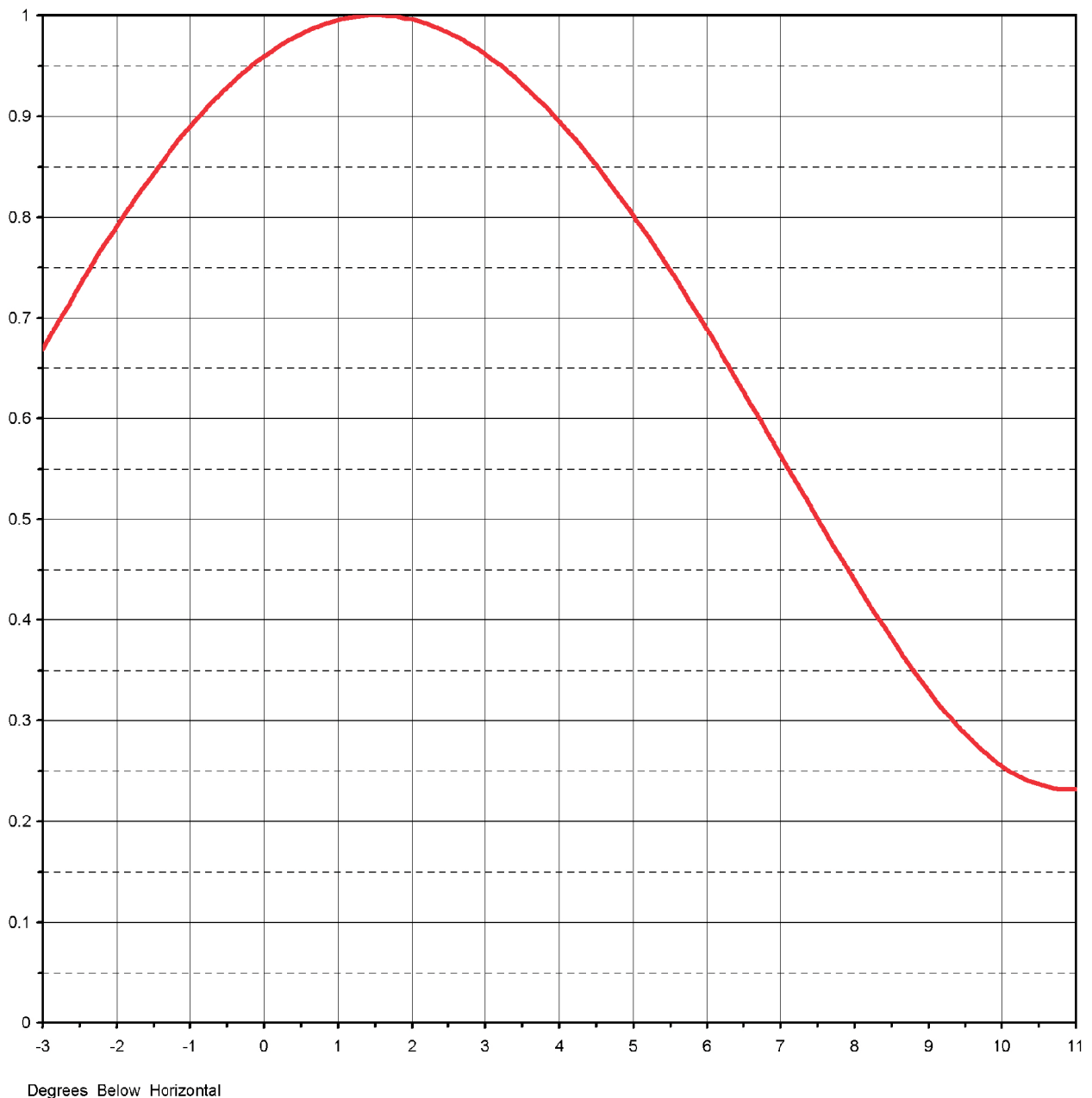
Proposed Elevation Pattern



Proposal Number	DCA-10282		
Date	17-Jul-03		
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Antenna Type	THV-6A12/VP-R C150SP (S)		

ELEVATION PATTERN

RMS Gain at Main Lobe	6.00	(7.78 dB)	Beam Tilt	1.50 deg
RMS Gain at Horizontal	5.50	(7.40 dB)	Frequency	207.00 MHz
Calculated / Measured	Calculated		Drawing #	06V060150



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Exhibit 40, Figure 2

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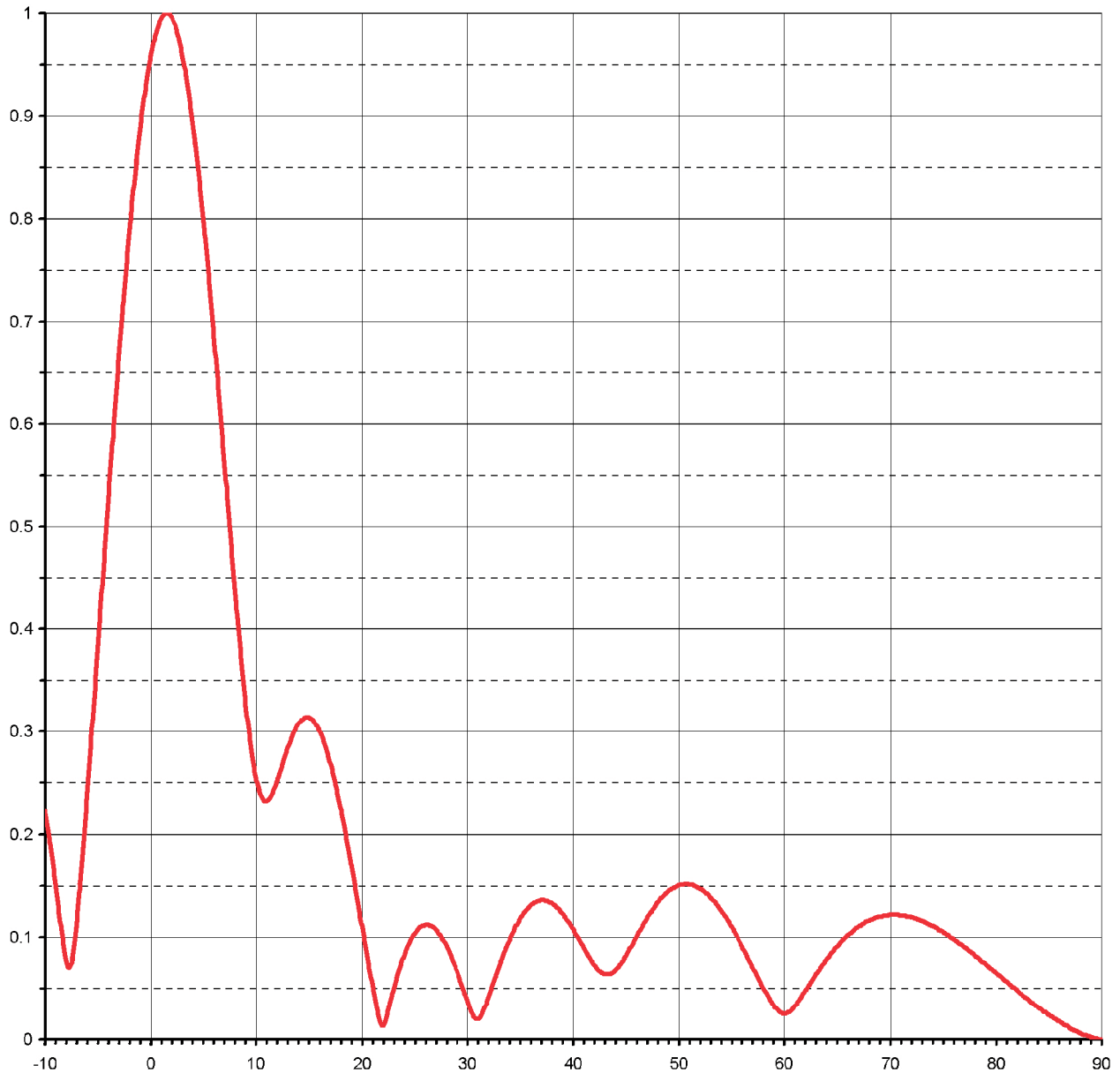
Proposed Elevation Pattern



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Location	San Jose, CA		
Customer			
Antenna Type	THV-6A12/VP-R C150SP (S)		

ELEVATION PATTERN

RMS Gain at Main Lobe	6.00 (7.78 dB)	Beam Tilt	1.50 deg
RMS Gain at Horizontal	5.50 (7.40 dB)	Frequency	207.00 MHz
Calculated / Measured	Calculated	Drawing #	06V060150-90



Degrees Below Horizontal



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Exhibit 40, Figure 3

Station KNTV-DT • DTV Channel 12 • San Jose, California

Proposed Elevation Pattern



Proposal Number **DCA-10282**
 Date **17-Jul-03**
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 Location **San Jose, CA**
 Customer
 Antenna Type **THV-6A12/VP-R C150SP (S)**

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #: **06V060150-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.223	2.4	0.986	10.6	0.237	30.5	0.027	51.0	0.152	71.5	0.121
-9.5	0.190	2.6	0.979	10.8	0.233	31.0	0.020	51.5	0.150	72.0	0.119
-9.0	0.152	2.8	0.971	11.0	0.232	31.5	0.025	52.0	0.148	72.5	0.118
-8.5	0.111	3.0	0.962	11.5	0.237	32.0	0.038	52.5	0.144	73.0	0.116
-8.0	0.077	3.2	0.951	12.0	0.249	32.5	0.053	53.0	0.139	73.5	0.113
-7.5	0.075	3.4	0.939	12.5	0.265	33.0	0.068	53.5	0.134	74.0	0.111
-7.0	0.115	3.6	0.925	13.0	0.281	33.5	0.082	54.0	0.127	74.5	0.108
-6.5	0.174	3.8	0.911	13.5	0.295	34.0	0.095	54.5	0.120	75.0	0.105
-6.0	0.241	4.0	0.895	14.0	0.306	34.5	0.106	55.0	0.111	75.5	0.102
-5.5	0.312	4.2	0.879	14.5	0.312	35.0	0.116	55.5	0.102	76.0	0.098
-5.0	0.384	4.4	0.861	15.0	0.314	35.5	0.124	56.0	0.093	76.5	0.094
-4.5	0.457	4.6	0.842	15.5	0.311	36.0	0.130	56.5	0.083	77.0	0.090
-4.0	0.530	4.8	0.822	16.0	0.303	36.5	0.134	57.0	0.073	77.5	0.086
-3.5	0.600	5.0	0.802	16.5	0.290	37.0	0.136	57.5	0.063	78.0	0.082
-3.0	0.668	5.2	0.781	17.0	0.273	37.5	0.135	58.0	0.053	78.5	0.078
-2.8	0.694	5.4	0.759	17.5	0.253	38.0	0.133	58.5	0.044	79.0	0.074
-2.6	0.719	5.6	0.736	18.0	0.229	38.5	0.130	59.0	0.035	79.5	0.069
-2.4	0.744	5.8	0.712	18.5	0.203	39.0	0.124	59.5	0.029	80.0	0.065
-2.2	0.768	6.0	0.689	19.0	0.175	39.5	0.117	60.0	0.025	80.5	0.061
-2.0	0.790	6.2	0.664	19.5	0.146	40.0	0.109	60.5	0.027	81.0	0.057
-1.8	0.812	6.4	0.639	20.0	0.116	40.5	0.101	61.0	0.031	81.5	0.052
-1.6	0.833	6.6	0.614	20.5	0.087	41.0	0.092	61.5	0.038	82.0	0.048
-1.4	0.853	6.8	0.589	21.0	0.058	41.5	0.083	62.0	0.046	82.5	0.044
-1.2	0.872	7.0	0.564	21.5	0.031	42.0	0.074	62.5	0.054	83.0	0.040
-1.0	0.889	7.2	0.539	22.0	0.013	42.5	0.068	63.0	0.062	83.5	0.036
-0.8	0.906	7.4	0.514	22.5	0.026	43.0	0.064	63.5	0.070	84.0	0.032
-0.6	0.921	7.6	0.489	23.0	0.046	43.5	0.064	64.0	0.077	84.5	0.028
-0.4	0.935	7.8	0.464	23.5	0.065	44.0	0.067	64.5	0.085	85.0	0.024
-0.2	0.948	8.0	0.440	24.0	0.080	44.5	0.073	65.0	0.091	85.5	0.021
0.0	0.959	8.2	0.416	24.5	0.093	45.0	0.081	65.5	0.097	86.0	0.018
0.2	0.969	8.4	0.393	25.0	0.103	45.5	0.090	66.0	0.102	86.5	0.014
0.4	0.978	8.6	0.371	25.5	0.109	46.0	0.099	66.5	0.106	87.0	0.011
0.6	0.985	8.8	0.350	26.0	0.112	46.5	0.108	67.0	0.110	87.5	0.009
0.8	0.991	9.0	0.330	26.5	0.111	47.0	0.117	67.5	0.113	88.0	0.006
1.0	0.995	9.2	0.311	27.0	0.108	47.5	0.125	68.0	0.116	88.5	0.004
1.2	0.998	9.4	0.294	27.5	0.102	48.0	0.133	68.5	0.118	89.0	0.002
1.4	1.000	9.6	0.279	28.0	0.093	48.5	0.139	69.0	0.120	89.5	0.001
1.6	1.000	9.8	0.272	28.5	0.082	49.0	0.144	69.5	0.121	90.0	0.000
1.8	0.999	10.0	0.260	29.0	0.069	49.5	0.148	70.0	0.122		
2.0	0.996	10.2	0.250	29.5	0.056	50.0	0.150	70.5	0.122		
2.2	0.992	10.4	0.242	30.0	0.041	50.5	0.152	71.0	0.121		

