

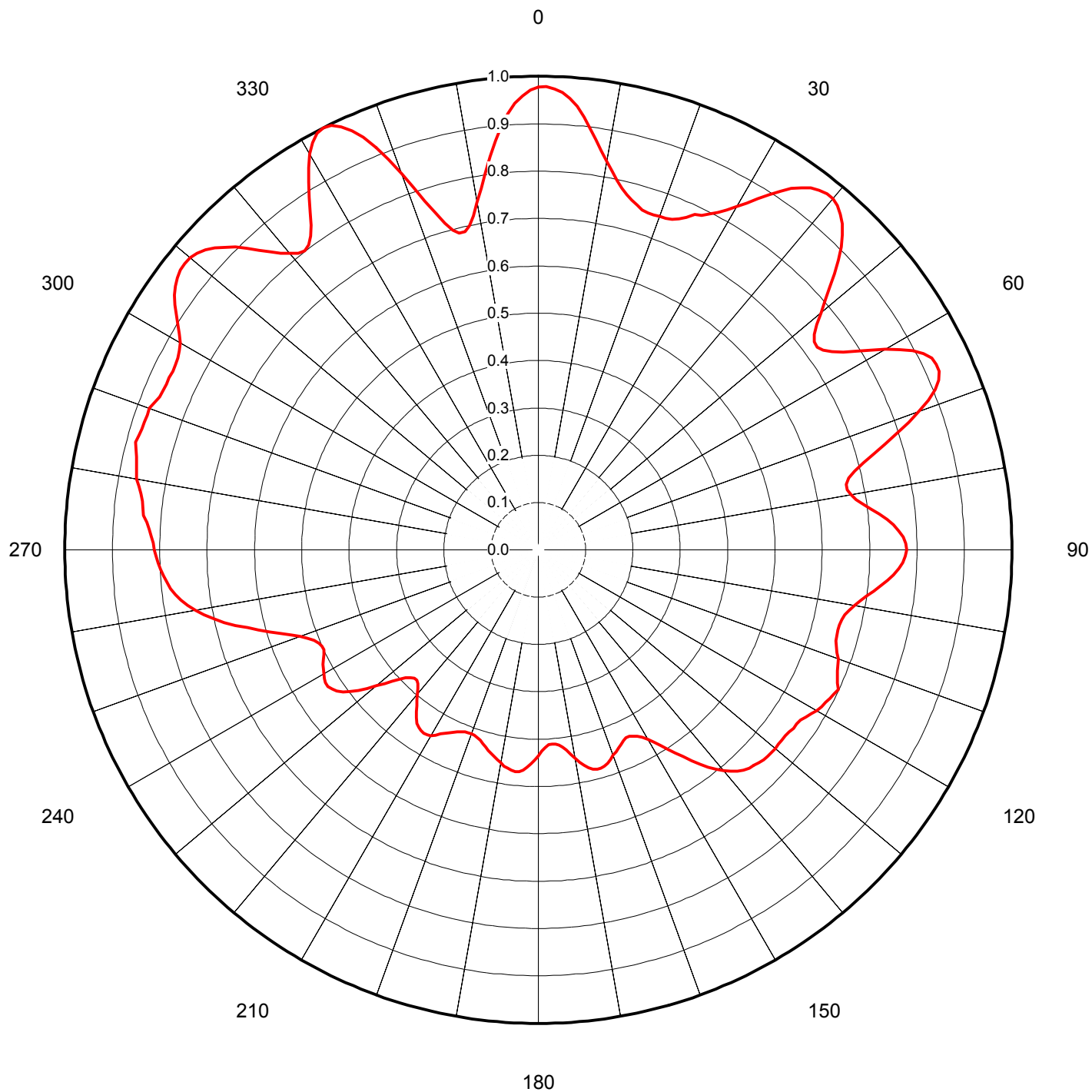


Proposal Number	DCA-10184	
Date	28-Feb-03	
Call Letters	WXTV	Channel 40
Location	New York, NY	
Customer	Durst	
Antenna Type	TUA-C8SP-8/64U-2-R	

AZIMUTH PATTERN

Gain	1.93	(2.86 dB)
Calculated / Measured	Calculated	

Frequency	629.00 MHz
Drawing #	TUA-C8SP-6290





Proposal Number **DCA-10184**
Date **28-Feb-03**
Call Letters **WXTV** Channel **40**
Location **New York, NY**
Customer **Durst**
Antenna Type **TUA-C8SP-8/64U-2-R**

TABULATION OF AZIMUTH PATTERN

Azimuth Pattern Drawing #: **TUA-C8SP-6290**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
0	0.977	45	0.905	90	0.778	135	0.644	180	0.435	225	0.383	270	0.811	315	0.904
1	0.978	46	0.880	91	0.775	136	0.640	181	0.443	226	0.389	271	0.814	316	0.885
2	0.975	47	0.854	92	0.770	137	0.635	182	0.452	227	0.400	272	0.817	317	0.865
3	0.967	48	0.828	93	0.762	138	0.628	183	0.460	228	0.414	273	0.822	318	0.846
4	0.955	49	0.802	94	0.752	139	0.619	184	0.466	229	0.430	274	0.829	319	0.830
5	0.940	50	0.779	95	0.740	140	0.608	185	0.471	230	0.447	275	0.837	320	0.818
6	0.919	51	0.756	96	0.727	141	0.596	186	0.470	231	0.465	276	0.839	321	0.806
7	0.896	52	0.740	97	0.713	142	0.582	187	0.468	232	0.482	277	0.842	322	0.802
8	0.874	53	0.730	98	0.700	143	0.567	188	0.466	233	0.497	278	0.847	323	0.806
9	0.852	54	0.728	99	0.688	144	0.550	189	0.462	234	0.510	279	0.854	324	0.818
10	0.833	55	0.734	100	0.678	145	0.533	190	0.457	235	0.519	280	0.862	325	0.837
11	0.814	56	0.748	101	0.669	146	0.517	191	0.452	236	0.526	281	0.864	326	0.860
12	0.797	57	0.768	102	0.662	147	0.502	192	0.446	237	0.529	282	0.868	327	0.887
13	0.783	58	0.793	103	0.657	148	0.487	193	0.441	238	0.530	283	0.871	328	0.915
14	0.772	59	0.820	104	0.655	149	0.474	194	0.436	239	0.527	284	0.876	329	0.942
15	0.765	60	0.847	105	0.655	150	0.461	195	0.431	240	0.523	285	0.881	330	0.966
16	0.757	61	0.873	106	0.655	151	0.453	196	0.425	241	0.519	286	0.878	331	0.984
17	0.751	62	0.895	107	0.657	152	0.446	197	0.421	242	0.515	287	0.875	332	0.996
18	0.748	63	0.913	108	0.661	153	0.441	198	0.417	243	0.509	288	0.874	333	1.000
19	0.748	64	0.924	109	0.667	154	0.438	199	0.415	244	0.504	289	0.873	334	0.997
20	0.749	65	0.928	110	0.674	155	0.438	200	0.413	245	0.500	290	0.874	335	0.985
21	0.750	66	0.927	111	0.677	156	0.442	201	0.413	246	0.500	291	0.868	336	0.969
22	0.753	67	0.918	112	0.681	157	0.446	202	0.415	247	0.504	292	0.863	337	0.946
23	0.759	68	0.903	113	0.686	158	0.452	203	0.417	248	0.511	293	0.861	338	0.916
24	0.768	69	0.882	114	0.692	159	0.457	204	0.421	249	0.521	294	0.859	339	0.882
25	0.781	70	0.856	115	0.699	160	0.462	205	0.425	250	0.534	295	0.860	340	0.845
26	0.787	71	0.827	116	0.695	161	0.468	206	0.429	251	0.552	296	0.859	341	0.809
27	0.795	72	0.796	117	0.691	162	0.474	207	0.435	252	0.572	297	0.859	342	0.775
28	0.807	73	0.765	118	0.687	163	0.478	208	0.441	253	0.593	298	0.862	343	0.743
29	0.821	74	0.736	119	0.683	164	0.480	209	0.447	254	0.615	299	0.867	344	0.717
30	0.837	75	0.711	120	0.680	165	0.480	210	0.454	255	0.636	300	0.874	345	0.699
31	0.855	76	0.689	121	0.672	166	0.478	211	0.456	256	0.659	301	0.885	346	0.690
32	0.874	77	0.673	122	0.665	167	0.473	212	0.457	257	0.681	302	0.897	347	0.690
33	0.894	78	0.665	123	0.661	168	0.466	213	0.455	258	0.701	303	0.911	348	0.700
34	0.913	79	0.665	124	0.658	169	0.457	214	0.452	259	0.719	304	0.925	349	0.718
35	0.931	80	0.671	125	0.657	170	0.447	215	0.447	260	0.735	305	0.938	350	0.744
36	0.945	81	0.679	126	0.654	171	0.437	216	0.438	261	0.750	306	0.947	351	0.773
37	0.956	82	0.692	127	0.653	172	0.427	217	0.428	262	0.763	307	0.954	352	0.804
38	0.964	83	0.707	128	0.652	173	0.419	218	0.417	263	0.773	308	0.959	353	0.837
39	0.967	84	0.723	129	0.653	174	0.414	219	0.407	264	0.781	309	0.961	354	0.869
40	0.967	85	0.739	130	0.653	175	0.413	220	0.398	265	0.787	310	0.960	355	0.899
41	0.963	86	0.752	131	0.653	176	0.411	221	0.387	266	0.793	311	0.954	356	0.923
42	0.954	87	0.762	132	0.652	177	0.413	222	0.380	267	0.798	312	0.946	357	0.944
43	0.941	88	0.771	133	0.650	178	0.418	223	0.376	268	0.803	313	0.934	358	0.960
44	0.924	89	0.776	134	0.647	179	0.425	224	0.377	269	0.807	314	0.920	359	0.971

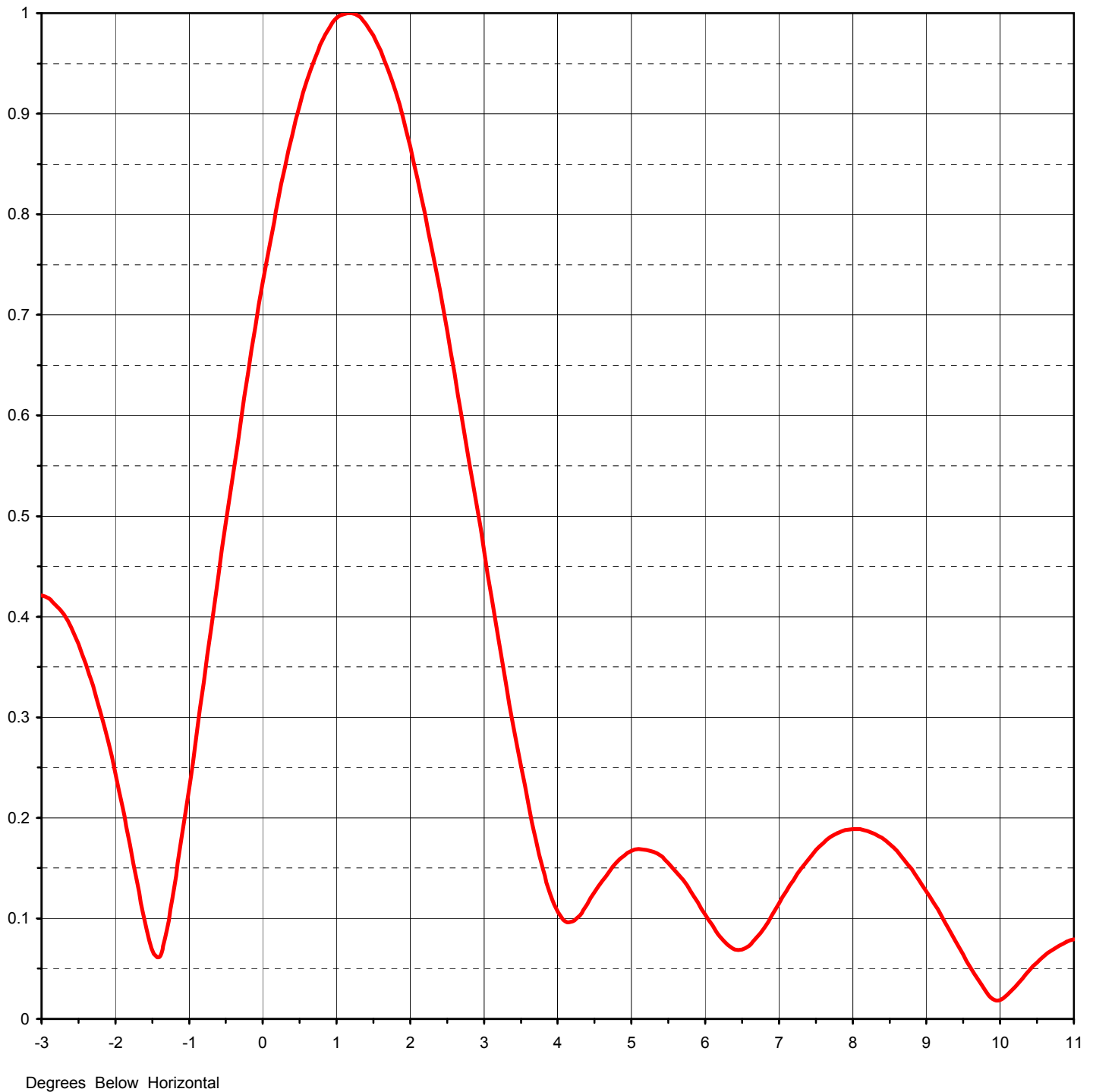


Proposal Number	DCA-10184	
Date	28-Feb-03	
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Location	New York, NY	
Customer	Durst	
Antenna Type	TUA-C8SP-8/64U-2-R	

ELEVATION PATTERN

RMS Gain at Main Lobe	17.72 (12.48 dB)
RMS Gain at Horizontal	9.50 (9.78 dB)
Calculated / Measured	Calculated

Beam Tilt	1.20 deg
Frequency	629.00 MHz
Drawing #	08U177120



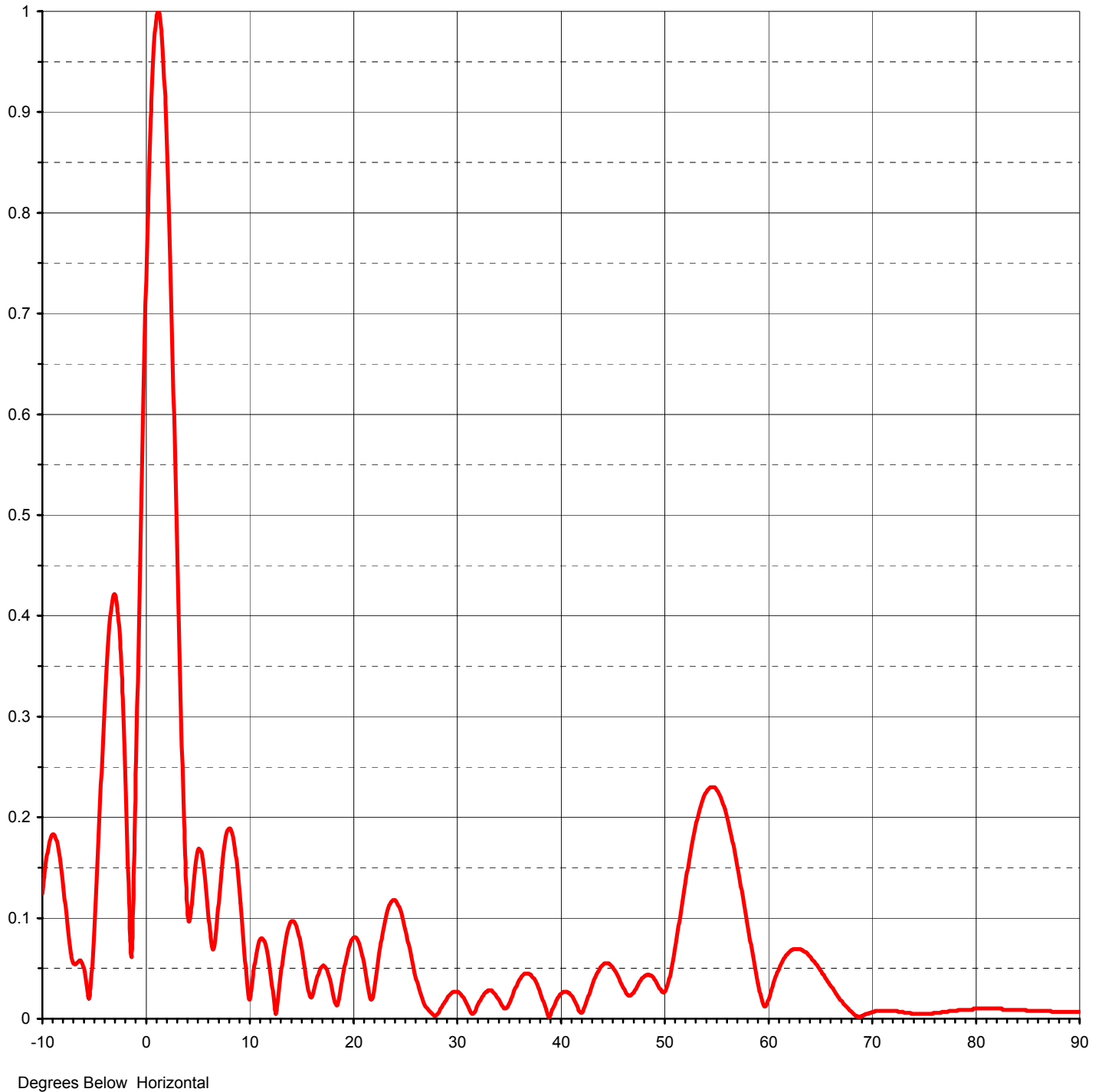


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Antenna Type	TUA-C8SP-8/64U-2-R	

ELEVATION PATTERN

RMS Gain at Main Lobe	17.72 (12.48 dB)
RMS Gain at Horizontal	9.50 (9.78 dB)
Calculated / Measured	Calculated

Beam Tilt	1.20 deg
Frequency	629.00 MHz
Drawing #	08U177120-90





Proposal Number **DCA-10184**
 Date **28-Feb-03**
 Call Letters **WXTV** Channel **40**
 Location **New York, NY**
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TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #: **08U177120-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.124	2.4	0.725	10.6	0.056	30.5	0.024	51.0	0.064	71.5	0.008
-9.5	0.165	2.6	0.642	10.8	0.068	31.0	0.015	51.5	0.096	72.0	0.008
-9.0	0.183	2.8	0.554	11.0	0.077	31.5	0.005	52.0	0.129	72.5	0.007
-8.5	0.171	3.0	0.465	11.5	0.077	32.0	0.012	52.5	0.160	73.0	0.007
-8.0	0.134	3.2	0.376	12.0	0.052	32.5	0.022	53.0	0.187	73.5	0.006
-7.5	0.085	3.4	0.291	12.5	0.011	33.0	0.027	53.5	0.209	74.0	0.005
-7.0	0.055	3.6	0.214	13.0	0.036	33.5	0.027	54.0	0.223	74.5	0.005
-6.5	0.057	3.8	0.149	13.5	0.074	34.0	0.021	54.5	0.230	75.0	0.005
-6.0	0.050	4.0	0.106	14.0	0.095	34.5	0.012	55.0	0.229	75.5	0.005
-5.5	0.020	4.2	0.097	14.5	0.094	35.0	0.013	55.5	0.220	76.0	0.006
-5.0	0.088	4.4	0.114	15.0	0.074	35.5	0.025	56.0	0.204	76.5	0.006
-4.5	0.198	4.6	0.137	15.5	0.043	36.0	0.037	56.5	0.183	77.0	0.007
-4.0	0.309	4.8	0.156	16.0	0.021	36.5	0.044	57.0	0.157	77.5	0.008
-3.5	0.393	5.0	0.167	16.5	0.037	37.0	0.045	57.5	0.128	78.0	0.008
-3.0	0.421	5.2	0.168	17.0	0.051	37.5	0.040	58.0	0.098	78.5	0.009
-2.8	0.411	5.4	0.162	17.5	0.049	38.0	0.029	58.5	0.068	79.0	0.009
-2.6	0.389	5.6	0.147	18.0	0.031	38.5	0.014	59.0	0.040	79.5	0.009
-2.4	0.353	5.8	0.127	18.5	0.013	39.0	0.002	59.5	0.017	80.0	0.010
-2.2	0.305	6.0	0.104	19.0	0.038	39.5	0.014	60.0	0.016	80.5	0.010
-2.0	0.244	6.2	0.082	19.5	0.064	40.0	0.024	60.5	0.032	81.0	0.010
-1.8	0.173	6.4	0.069	20.0	0.079	40.5	0.027	61.0	0.047	81.5	0.010
-1.6	0.098	6.6	0.073	20.5	0.078	41.0	0.024	61.5	0.058	82.0	0.010
-1.4	0.062	6.8	0.091	21.0	0.060	41.5	0.016	62.0	0.065	82.5	0.010
-1.2	0.131	7.0	0.115	21.5	0.031	42.0	0.006	62.5	0.069	83.0	0.009
-1.0	0.230	7.2	0.138	22.0	0.024	42.5	0.015	63.0	0.069	83.5	0.009
-0.8	0.335	7.4	0.159	22.5	0.059	43.0	0.030	63.5	0.067	84.0	0.009
-0.6	0.441	7.6	0.175	23.0	0.090	43.5	0.043	64.0	0.063	84.5	0.009
-0.4	0.544	7.8	0.185	23.5	0.111	44.0	0.052	64.5	0.055	85.0	0.008
-0.2	0.642	8.0	0.189	24.0	0.118	44.5	0.055	65.0	0.048	85.5	0.008
0.0	0.732	8.2	0.187	24.5	0.111	45.0	0.052	65.5	0.040	86.0	0.008
0.2	0.812	8.4	0.180	25.0	0.092	45.5	0.044	66.0	0.033	86.5	0.008
0.4	0.879	8.6	0.167	25.5	0.070	46.0	0.033	66.5	0.025	87.0	0.008
0.6	0.933	8.8	0.149	26.0	0.045	46.5	0.024	67.0	0.018	87.5	0.007
0.8	0.972	9.0	0.127	26.5	0.027	47.0	0.025	67.5	0.012	88.0	0.007
1.0	0.995	9.2	0.103	27.0	0.013	47.5	0.033	68.0	0.007	88.5	0.007
1.2	1.000	9.4	0.077	27.5	0.007	48.0	0.041	68.5	0.003	89.0	0.007
1.4	0.989	9.6	0.051	28.0	0.003	48.5	0.044	69.0	0.003	89.5	0.007
1.6	0.963	9.8	0.039	28.5	0.010	49.0	0.041	69.5	0.005	90.0	0.007
1.8	0.922	10.0	0.020	29.0	0.018	49.5	0.032	70.0	0.007		
2.0	0.867	10.2	0.024	29.5	0.025	50.0	0.026	70.5	0.008		
2.2	0.801	10.4	0.040	30.0	0.027	50.5	0.038	71.0	0.008		