



Proposal Number **DCA-10297**  
 Date **21-Aug-03**  
 Call Letters **WMTV-DT** Channel **19**  
 Location **Madison, WI**  
 Customer **Acme Television**  
 Antenna Type **TUA-O4-10/40H-1-S-R**

## TABULATION OF AZIMUTH PATTERN

Azimuth Pattern Drawing #: **TUA-O4-5030**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
0	1.000	45	0.924	90	1.000	135	0.924	180	1.000	225	0.924	270	1.000	315	0.924
1	0.994	46	0.919	91	0.994	136	0.919	181	0.994	226	0.919	271	0.994	316	0.919
2	0.988	47	0.913	92	0.988	137	0.913	182	0.988	227	0.913	272	0.988	317	0.913
3	0.983	48	0.904	93	0.983	138	0.904	183	0.983	228	0.904	273	0.983	318	0.904
4	0.978	49	0.894	94	0.978	139	0.894	184	0.978	229	0.894	274	0.978	319	0.894
5	0.973	50	0.882	95	0.973	140	0.882	185	0.973	230	0.882	275	0.973	320	0.882
6	0.964	51	0.870	96	0.964	141	0.870	186	0.964	231	0.870	276	0.964	321	0.870
7	0.955	52	0.856	97	0.955	142	0.856	187	0.955	232	0.856	277	0.955	322	0.856
8	0.948	53	0.843	98	0.948	143	0.843	188	0.948	233	0.843	278	0.948	323	0.843
9	0.941	54	0.829	99	0.941	144	0.829	189	0.941	234	0.829	279	0.941	324	0.829
10	0.935	55	0.815	100	0.935	145	0.815	190	0.935	235	0.815	280	0.935	325	0.815
11	0.920	56	0.804	101	0.920	146	0.804	191	0.920	236	0.804	281	0.920	326	0.804
12	0.906	57	0.793	102	0.906	147	0.793	192	0.906	237	0.793	282	0.906	327	0.793
13	0.892	58	0.784	103	0.892	148	0.784	193	0.892	238	0.784	283	0.892	328	0.784
14	0.879	59	0.777	104	0.879	149	0.777	194	0.879	239	0.777	284	0.879	329	0.777
15	0.868	60	0.772	105	0.868	150	0.772	195	0.868	240	0.772	285	0.868	330	0.772
16	0.855	61	0.767	106	0.855	151	0.767	196	0.855	241	0.767	286	0.855	331	0.767
17	0.843	62	0.765	107	0.843	152	0.765	197	0.843	242	0.765	287	0.843	332	0.765
18	0.833	63	0.766	108	0.833	153	0.766	198	0.833	243	0.766	288	0.833	333	0.766
19	0.825	64	0.769	109	0.825	154	0.769	199	0.825	244	0.769	289	0.825	334	0.769
20	0.819	65	0.775	110	0.819	155	0.775	200	0.819	245	0.775	290	0.819	335	0.775
21	0.811	66	0.782	111	0.811	156	0.782	201	0.811	246	0.782	291	0.811	336	0.782
22	0.804	67	0.791	112	0.804	157	0.791	202	0.804	247	0.791	292	0.804	337	0.791
23	0.800	68	0.803	113	0.800	158	0.803	203	0.800	248	0.803	293	0.800	338	0.803
24	0.797	69	0.817	114	0.797	159	0.817	204	0.797	249	0.817	294	0.797	339	0.817
25	0.796	70	0.833	115	0.796	160	0.833	205	0.796	250	0.833	295	0.796	340	0.833
26	0.797	71	0.846	116	0.797	161	0.846	206	0.797	251	0.846	296	0.797	341	0.846
27	0.801	72	0.861	117	0.801	162	0.861	207	0.801	252	0.861	297	0.801	342	0.861
28	0.806	73	0.877	118	0.806	163	0.877	208	0.806	253	0.877	298	0.806	343	0.877
29	0.812	74	0.894	119	0.812	164	0.894	209	0.812	254	0.894	299	0.812	344	0.894
30	0.820	75	0.913	120	0.820	165	0.913	210	0.820	255	0.913	300	0.820	345	0.913
31	0.828	76	0.922	121	0.828	166	0.922	211	0.828	256	0.922	301	0.828	346	0.922
32	0.838	77	0.932	122	0.838	167	0.932	212	0.838	257	0.932	302	0.838	347	0.932
33	0.848	78	0.943	123	0.848	168	0.943	213	0.848	258	0.943	303	0.848	348	0.943
34	0.858	79	0.954	124	0.858	169	0.954	214	0.858	259	0.954	304	0.858	349	0.954
35	0.868	80	0.966	125	0.868	170	0.966	215	0.868	260	0.966	305	0.868	350	0.966
36	0.879	81	0.970	126	0.879	171	0.970	216	0.879	261	0.970	306	0.879	351	0.970
37	0.890	82	0.974	127	0.890	172	0.974	217	0.890	262	0.974	307	0.890	352	0.974
38	0.899	83	0.979	128	0.899	173	0.979	218	0.899	263	0.979	308	0.899	353	0.979
39	0.907	84	0.985	129	0.907	174	0.985	219	0.907	264	0.985	309	0.907	354	0.985
40	0.913	85	0.990	130	0.913	175	0.990	220	0.913	265	0.990	310	0.913	355	0.990
41	0.919	86	0.992	131	0.919	176	0.992	221	0.919	266	0.992	311	0.919	356	0.992
42	0.924	87	0.994	132	0.924	177	0.994	222	0.924	267	0.994	312	0.924	357	0.994
43	0.926	88	0.996	133	0.926	178	0.996	223	0.926	268	0.996	313	0.926	358	0.996
44	0.926	89	0.998	134	0.926	179	0.998	224	0.926	269	0.998	314	0.926	359	0.998