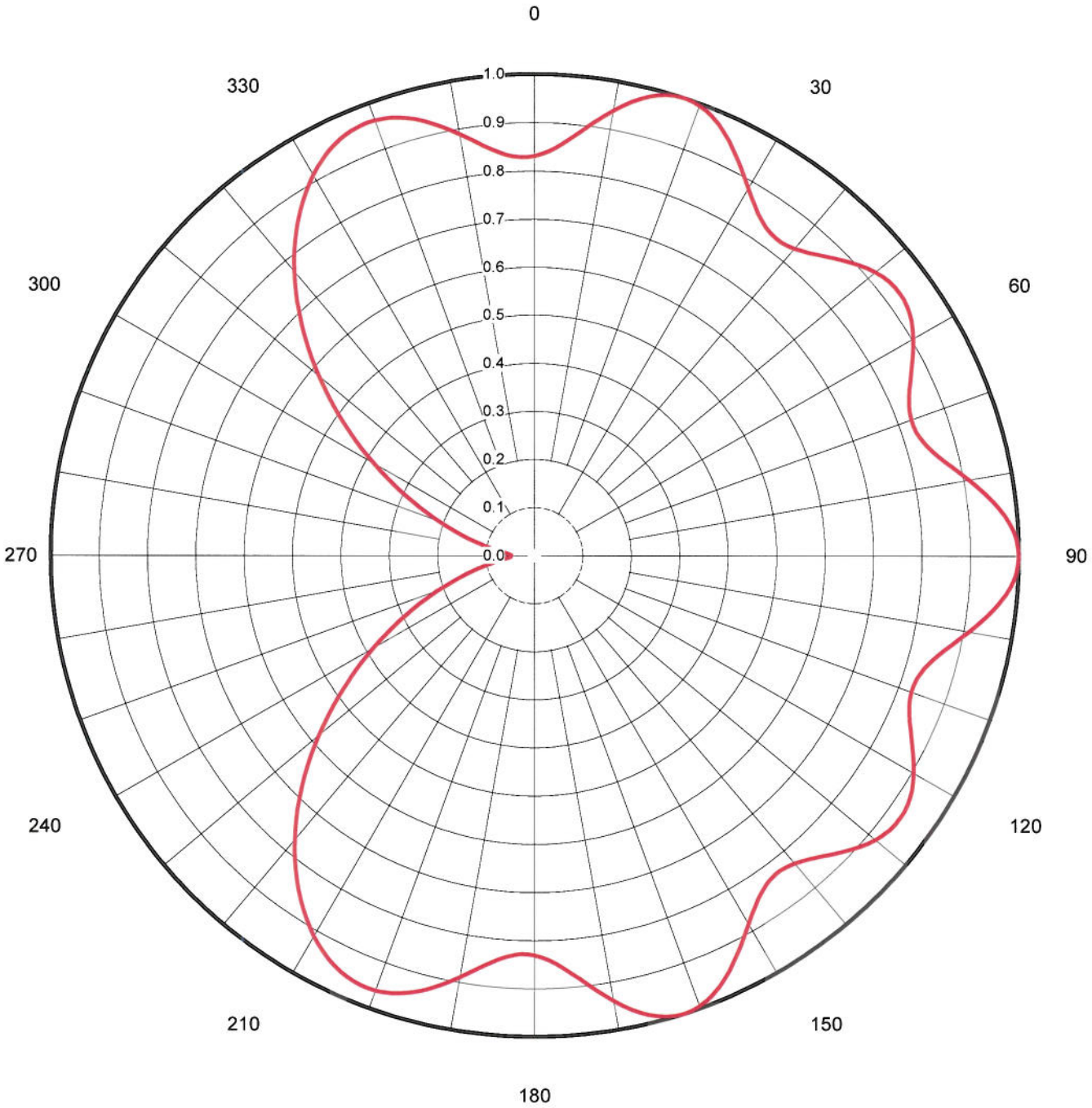
Dielectric

Proposal Number	C-01268	Revision:	2
Date	17-Apr-07		
Call Letters	KCNC-DT	Channel	35
Location	Denver, CO		
Customer			
Antenna Type	TUC-C4SP-12/48U-4-T		

AZIMUTH PATTERN

Gain	1.58 (1.99 dB)	Frequency	599.00 MHz
Calculated / Measured	Calculated	Drawing #	TUC-C4SP-5990



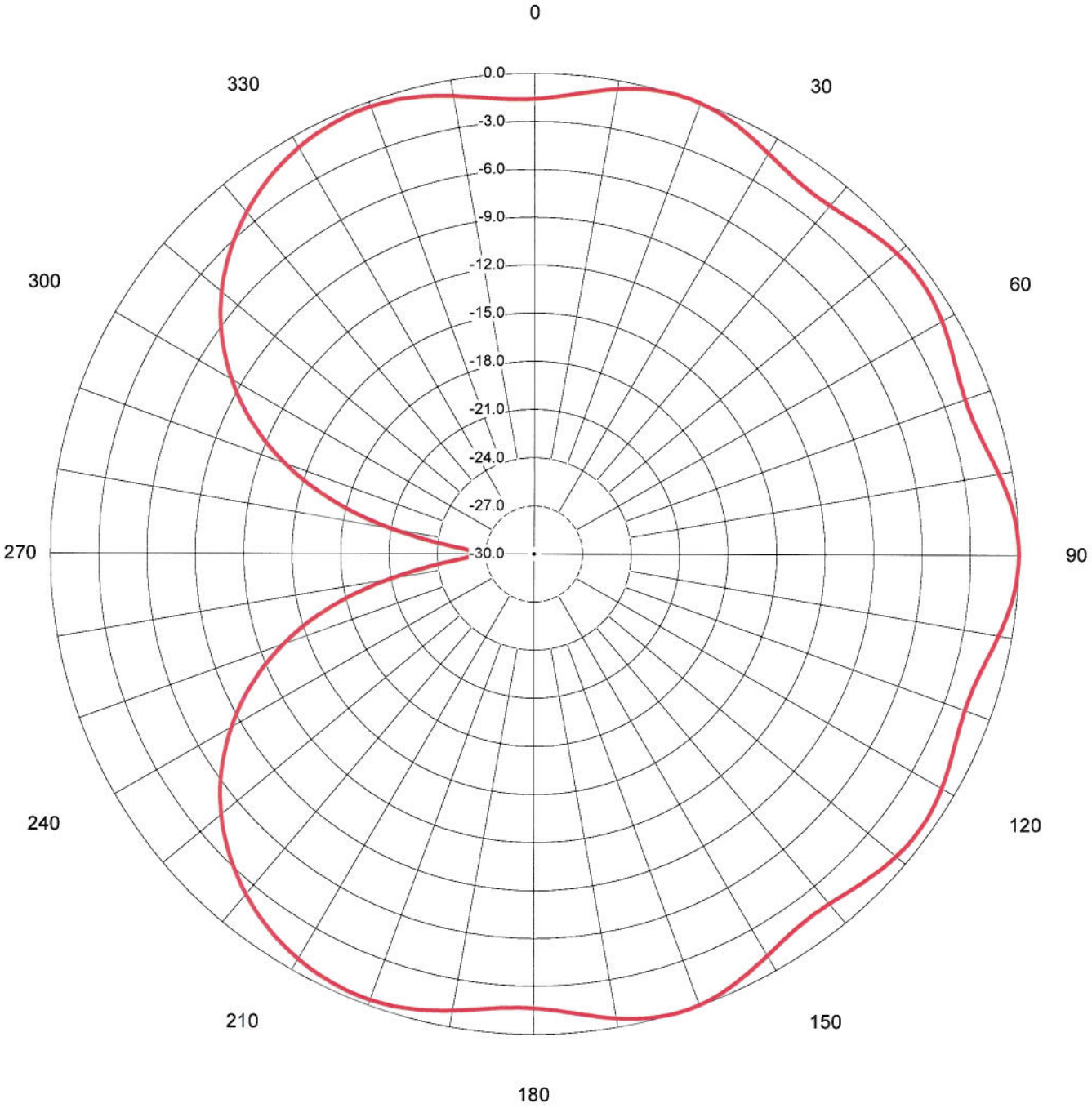
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Dielectric

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Customer			
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AZIMUTH PATTERN (dB)

Gain	1.58	(1.99 dB)	Frequency	599.00 MHz
Calculated / Measured	Calculated		Drawing #	TUC-C4SP-5990



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Dielectric

Proposal Number	C-01268	Revision:	2
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Customer			
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TABULATION OF AZIMUTH PATTERN

Azimuth Pattern Drawing #: **TUC-C4SP-5990**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
0	0.830	45	0.876	90	1.000	135	0.876	180	0.830	225	0.679	270	0.047	315	0.679
1	0.834	46	0.886	91	0.999	136	0.866	181	0.828	226	0.660	271	0.048	316	0.698
2	0.840	47	0.895	92	0.996	137	0.857	182	0.828	227	0.640	272	0.049	317	0.717
3	0.849	48	0.904	93	0.990	138	0.848	183	0.831	228	0.620	273	0.050	318	0.735
4	0.859	49	0.912	94	0.983	139	0.841	184	0.835	229	0.601	274	0.053	319	0.753
5	0.870	50	0.919	95	0.974	140	0.835	185	0.841	230	0.581	275	0.056	320	0.770
6	0.883	51	0.924	96	0.963	141	0.831	186	0.849	231	0.560	276	0.061	321	0.787
7	0.897	52	0.929	97	0.951	142	0.828	187	0.858	232	0.540	277	0.066	322	0.804
8	0.911	53	0.931	98	0.938	143	0.828	188	0.868	233	0.520	278	0.073	323	0.820
9	0.925	54	0.932	99	0.925	144	0.830	189	0.878	234	0.500	279	0.081	324	0.835
10	0.938	55	0.931	100	0.911	145	0.834	190	0.889	235	0.480	280	0.089	325	0.850
11	0.951	56	0.929	101	0.897	146	0.840	191	0.899	236	0.460	281	0.098	326	0.864
12	0.963	57	0.924	102	0.883	147	0.849	192	0.910	237	0.440	282	0.109	327	0.877
13	0.974	58	0.919	103	0.870	148	0.859	193	0.920	238	0.421	283	0.119	328	0.890
14	0.983	59	0.912	104	0.859	149	0.870	194	0.929	239	0.401	284	0.131	329	0.901
15	0.990	60	0.904	105	0.849	150	0.883	195	0.937	240	0.382	285	0.143	330	0.912
16	0.996	61	0.895	106	0.840	151	0.897	196	0.944	241	0.363	286	0.155	331	0.922
17	0.999	62	0.886	107	0.834	152	0.911	197	0.951	242	0.345	287	0.168	332	0.931
18	1.000	63	0.876	108	0.830	153	0.925	198	0.955	243	0.326	288	0.182	333	0.939
19	0.999	64	0.866	109	0.828	154	0.938	199	0.959	244	0.308	289	0.196	334	0.946
20	0.996	65	0.857	110	0.828	155	0.951	200	0.961	245	0.291	290	0.210	335	0.952
21	0.990	66	0.848	111	0.831	156	0.963	201	0.962	246	0.274	291	0.226	336	0.956
22	0.983	67	0.841	112	0.835	157	0.974	202	0.961	247	0.257	292	0.241	337	0.960
23	0.974	68	0.835	113	0.841	158	0.983	203	0.960	248	0.241	293	0.257	338	0.961
24	0.963	69	0.831	114	0.848	159	0.990	204	0.956	249	0.226	294	0.274	339	0.962
25	0.951	70	0.828	115	0.857	160	0.996	205	0.952	250	0.210	295	0.291	340	0.961
26	0.938	71	0.828	116	0.866	161	0.999	206	0.946	251	0.196	296	0.308	341	0.959
27	0.925	72	0.830	117	0.876	162	1.000	207	0.939	252	0.182	297	0.326	342	0.955
28	0.911	73	0.834	118	0.886	163	0.999	208	0.931	253	0.168	298	0.345	343	0.951
29	0.897	74	0.840	119	0.895	164	0.996	209	0.922	254	0.155	299	0.363	344	0.944
30	0.883	75	0.849	120	0.904	165	0.990	210	0.912	255	0.143	300	0.382	345	0.937
31	0.870	76	0.859	121	0.912	166	0.983	211	0.901	256	0.131	301	0.401	346	0.929
32	0.859	77	0.870	122	0.919	167	0.974	212	0.890	257	0.119	302	0.421	347	0.920
33	0.849	78	0.883	123	0.924	168	0.963	213	0.877	258	0.109	303	0.440	348	0.910
34	0.840	79	0.897	124	0.929	169	0.951	214	0.864	259	0.098	304	0.460	349	0.899
35	0.834	80	0.911	125	0.931	170	0.938	215	0.850	260	0.089	305	0.480	350	0.889
36	0.830	81	0.925	126	0.932	171	0.925	216	0.835	261	0.081	306	0.500	351	0.878
37	0.828	82	0.938	127	0.931	172	0.911	217	0.820	262	0.073	307	0.520	352	0.868
38	0.828	83	0.951	128	0.929	173	0.897	218	0.804	263	0.066	308	0.540	353	0.858
39	0.831	84	0.963	129	0.924	174	0.883	219	0.787	264	0.061	309	0.560	354	0.849
40	0.835	85	0.974	130	0.919	175	0.870	220	0.770	265	0.056	310	0.581	355	0.841
41	0.841	86	0.983	131	0.912	176	0.859	221	0.753	266	0.053	311	0.601	356	0.835
42	0.848	87	0.990	132	0.904	177	0.849	222	0.735	267	0.050	312	0.620	357	0.831
43	0.857	88	0.996	133	0.895	178	0.840	223	0.717	268	0.049	313	0.640	358	0.828
44	0.866	89	0.999	134	0.886	179	0.834	224	0.698	269	0.048	314	0.660	359	0.828

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