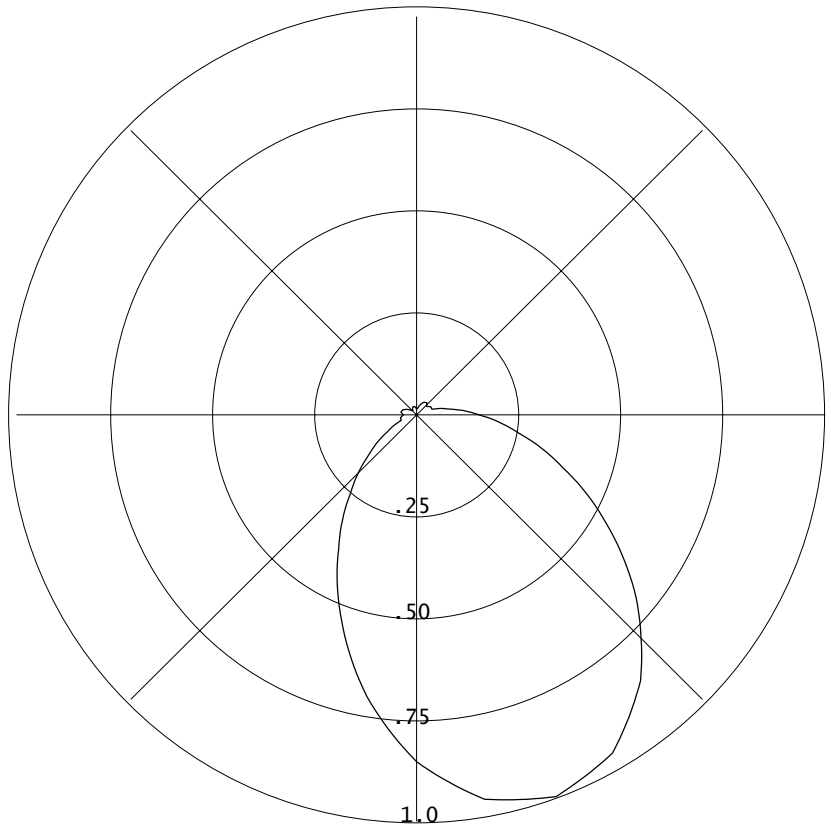


03-31-2004

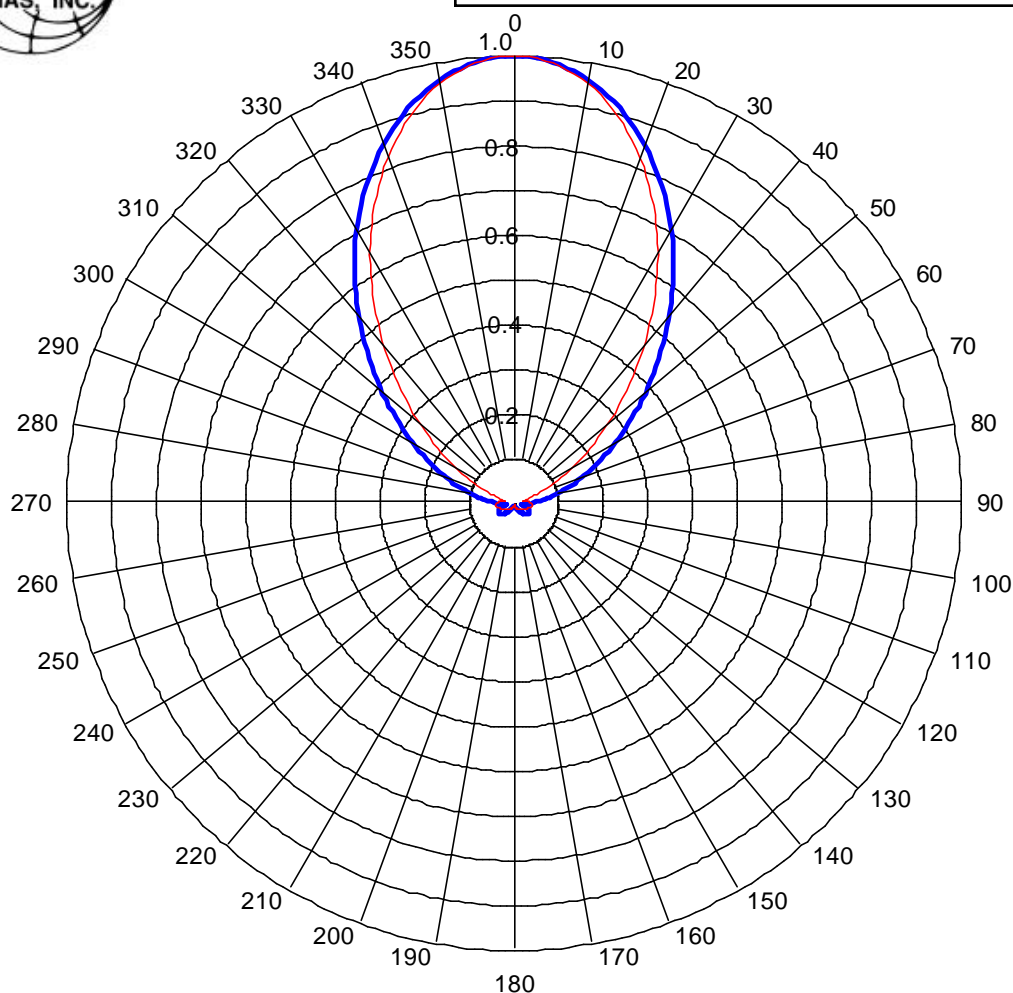
Bearing      Field Value

000	=	0.014
010	=	0.017
020	=	0.027
030	=	0.036
040	=	0.039
050	=	0.032
060	=	0.040
070	=	0.040
080	=	0.081
090	=	0.153
100	=	0.252
110	=	0.382
120	=	0.538
130	=	0.703
140	=	0.854
150	=	0.961
160	=	1.000
170	=	0.961
180	=	0.854
190	=	0.703
200	=	0.538
210	=	0.382
220	=	0.252
230	=	0.153
240	=	0.081
250	=	0.040
260	=	0.040
270	=	0.032
280	=	0.039
290	=	0.036
300	=	0.027
310	=	0.017
320	=	0.014
330	=	0.020
340	=	0.022
350	=	0.020





Note: Rotate Pattern below +160 degrees per the Application. Peak Azimuth for Ogden Booster is at 160 degrees.



### Azimuth Pattern Details

### Ogden, UT

Customer: Simmons Media/  
Millcreek Broadcasting

Model: JCPD Modified

Type: FM Panel Booster Antenna

Channels: 95.9-107.9 MHz

Notes: Circularly Polarized, 1-bay, 4-dipole FM Panel Antenna,  $\frac{1}{4}$  wave off-set  
Blue = H-Pol      Red = V-Pol



Note: Rotate Pattern below +160 degrees per the Application. Peak Azimuth for Ogden Booster is at 160 degrees.

<u>AZIMUTH</u>	<u>HPOL</u>	<u>VPOL</u>	<u>AZIMUTH</u>	<u>HPOL</u>	<u>VPOL</u>
0	1.000	1.000	180	0.022	0.019
5	0.990	0.988	185	0.021	0.018
10	0.961	0.953	190	0.020	0.017
15	0.915	0.897	195	0.017	0.015
20	0.854	0.824	200	0.014	0.012
25	0.782	0.737	205	0.012	0.009
30	0.703	0.642	210	0.016	0.012
35	0.620	0.544	215	0.021	0.014
40	0.537	0.447	220	0.026	0.016
45	0.457	0.355	225	0.031	0.018
50	0.382	0.271	230	0.035	0.019
55	0.313	0.196	235	0.038	0.021
60	0.252	0.133	240	0.039	0.023
65	0.198	0.082	245	0.037	0.027
70	0.152	0.043	250	0.032	0.031
75	0.113	0.021	255	0.025	0.036
80	0.080	0.024	260	0.018	0.040
85	0.053	0.034	265	0.019	0.041
90	0.032	0.039	270	0.032	0.039
95	0.019	0.041	275	0.053	0.034
100	0.018	0.040	280	0.080	0.024
105	0.025	0.036	285	0.113	0.021
110	0.032	0.031	290	0.152	0.043
115	0.037	0.027	295	0.198	0.082
120	0.039	0.023	300	0.252	0.133
125	0.038	0.021	305	0.313	0.196
130	0.035	0.019	310	0.382	0.271
135	0.031	0.018	315	0.457	0.355
140	0.026	0.016	320	0.537	0.447
145	0.021	0.014	325	0.620	0.544
150	0.016	0.012	330	0.703	0.642
155	0.014	0.009	335	0.782	0.737
160	0.014	0.012	340	0.854	0.824
165	0.017	0.015	345	0.915	0.897
170	0.020	0.017	350	0.961	0.953
175	0.021	0.018	355	0.990	0.988