

**EXHIBIT E-1A**

KBAQ(FM)  
Phoenix, AZ  
FM Channel 208 C

DIRECTIONAL ANTENNA  
PATTERN  
TABULATION

ANTENNA PATTERN  
NUMBER: KBAQ20030915B

'Azimuth'	'Field Value'	'dB Gain'
0	0.179	-14.94294
1	0.179	-14.94294
2	0.179	-14.94294
3	0.178	-14.9916
4	0.178	-14.9916
5	0.178	-14.9916
6	0.182	-14.79857
7	0.186	-14.60974
8	0.191	-14.37933
9	0.195	-14.19931
10	0.199	-14.02294
11	0.204	-13.8074
12	0.208	-13.63873
13	0.213	-13.43241
14	0.218	-13.23087
15	0.223	-13.0339
16	0.228	-12.8413
17	0.233	-12.65288
18	0.238	-12.46846
19	0.244	-12.2522
20	0.249	-12.07601
21	0.255	-11.8692
22	0.261	-11.66719
23	0.267	-11.46978
24	0.273	-11.27675
25	0.279	-11.08792
26	0.285	-10.9031
27	0.292	-10.69234
28	0.298	-10.51567
29	0.305	-10.314
30	0.312	-10.11691
31	0.319	-9.924186
32	0.327	-9.709045
33	0.334	-9.525071
34	0.341	-9.344913
35	0.349	-9.143492
36	0.357	-8.946636
37	0.365	-8.754143
38	0.374	-8.542567
39	0.382	-8.358733
40	0.39	-8.178708
41	0.399	-7.980542
42	0.409	-7.765533
43	0.418	-7.576474
44	0.427	-7.391443
45	0.437	-7.190371
46	0.447	-6.99385
47	0.457	-6.801676
48	0.468	-6.595083
49	0.478	-6.411442

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NUMBER: KBAQ20030915B

50	0.488	-6.231604
51	0.5	-6.0206
52	0.512	-5.8146
53	0.523	-5.629966
54	0.535	-5.432924
55	0.546	-5.256147
56	0.559	-5.051764
57	0.572	-4.852079
58	0.585	-4.656883
59	0.598	-4.465976
60	0.611	-4.279176
61	0.626	-4.068513
62	0.64	-3.876401
63	0.655	-3.675174
64	0.669	-3.491477
65	0.684	-3.298878
66	0.7	-3.098039
67	0.716	-2.901739
68	0.733	-2.697921
69	0.749	-2.510364
70	0.765	-2.326771
71	0.783	-2.124765
72	0.802	-1.916513
73	0.82	-1.723723
74	0.838	-1.53512
75	0.856	-1.350525
76	0.876	-1.149918
77	0.897	-0.944151
78	0.917	-0.7526133
79	0.937	-0.5652084
80	0.958	-0.3726898
81	0.966	-0.3004573
82	0.975	-0.2199075
83	0.983	-0.1489298
84	0.992	-0.0697667
85	1	0
86	1	0
87	1	0
88	1	0
89	1	0
90	1	0
91	1	0
92	1	0
93	1	0
94	1	0
95	1	0
96	1	0
97	1	0
98	1	0
99	1	0
100	1	0

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NUMBER: KBAQ20030915B

101	1	0
102	1	0
103	1	0
104	1	0
105	1	0
106	1	0
107	1	0
108	1	0
109	1	0
110	1	0
111	1	0
112	1	0
113	1	0
114	1	0
115	1	0
116	1	0
117	1	0
118	1	0
119	1	0
120	1	0
121	1	0
122	1	0
123	1	0
124	1	0
125	1	0
126	1	0
127	1	0
128	1	0
129	1	0
130	1	0
131	1	0
132	1	0
133	1	0
134	1	0
135	1	0
136	1	0
137	1	0
138	1	0
139	1	0
140	1	0
141	1	0
142	1	0
143	1	0
144	1	0
145	1	0
146	1	0
147	1	0
148	1	0
149	1	0
150	1	0
151	1	0

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ANTENNA PATTERN  
NUMBER: KBAQ20030915B

152	1	0
153	1	0
154	1	0
155	1	0
156	1	0
157	1	0
158	1	0
159	1	0
160	1	0
161	1	0
162	1	0
163	1	0
164	1	0
165	1	0
166	0.992	-0.0697667
167	0.983	-0.1489298
168	0.975	-0.2199075
169	0.966	-0.3004573
170	0.958	-0.3726898
171	0.938	-0.555943
172	0.917	-0.7526133
173	0.897	-0.944151
174	0.876	-1.149918
175	0.856	-1.350525
176	0.838	-1.53512
177	0.82	-1.723723
178	0.801	-1.92735
179	0.783	-2.124765
180	0.765	-2.326771
181	0.749	-2.510364
182	0.733	-2.697921
183	0.716	-2.901739
184	0.7	-3.098039
185	0.684	-3.298878
186	0.678	-3.375407
187	0.672	-3.452615
188	0.665	-3.543567
189	0.659	-3.622292
190	0.653	-3.701736
191	0.65	-3.741733
192	0.647	-3.781914
193	0.644	-3.822283
194	0.641	-3.86284
195	0.638	-3.903586
196	0.653	-3.701736
197	0.668	-3.504471
198	0.684	-3.298878
199	0.699	-3.110456
200	0.714	-2.926036
201	0.731	-2.721652
202	0.748	-2.521968

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NUMBER: KBAQ20030915B

203	0.765	-2.326771
204	0.782	-2.135865
205	0.799	-1.949064
206	0.818	-1.744934
207	0.837	-1.545491
208	0.856	-1.350525
209	0.875	-1.159839
210	0.894	-0.9732497
211	0.915	-0.7715779
212	0.936	-0.5744831
213	0.958	-0.3726898
214	0.979	-0.1843464
215	1	0
216	1	0
217	1	0
218	1	0
219	1	0
220	1	0
221	1	0
222	1	0
223	1	0
224	1	0
225	1	0
226	1	0
227	1	0
228	1	0
229	1	0
230	1	0
231	1	0
232	1	0
233	1	0
234	1	0
235	1	0
236	1	0
237	1	0
238	1	0
239	1	0
240	1	0
241	1	0
242	1	0
243	1	0
244	1	0
245	1	0
246	1	0
247	1	0
248	1	0
249	1	0
250	1	0
251	1	0
252	1	0
253	1	0

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NUMBER: KBAQ20030915B

254	1	0
255	1	0
256	1	0
257	1	0
258	1	0
259	1	0
260	1	0
261	1	0
262	1	0
263	1	0
264	1	0
265	1	0
266	1	0
267	1	0
268	1	0
269	1	0
270	1	0
271	1	0
272	1	0
273	1	0
274	1	0
275	1	0
276	1	0
277	1	0
278	1	0
279	1	0
280	1	0
281	0.986	-0.1224617
282	0.971	-0.2556153
283	0.957	-0.3817611
284	0.942	-0.5189822
285	0.928	-0.6490407
286	0.908	-0.8382831
287	0.888	-1.031741
288	0.869	-1.219604
289	0.849	-1.421846
290	0.829	-1.628909
291	0.812	-1.80888
292	0.794	-2.00359
293	0.777	-2.19158
294	0.759	-2.395164
295	0.741	-2.603636
296	0.726	-2.781267
297	0.71	-2.974833
298	0.694	-3.172811
299	0.678	-3.375407
300	0.663	-3.56973
301	0.649	-3.755106
302	0.634	-3.958215
303	0.62	-4.152166
304	0.606	-4.350547

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NUMBER: KBAQ20030915B

305	0.592	-4.553566
306	0.58	-4.731441
307	0.567	-4.928339
308	0.555	-5.11414
309	0.542	-5.320014
310	0.529	-5.530887
311	0.518	-5.713405
312	0.507	-5.89984
313	0.496	-6.090367
314	0.484	-6.303093
315	0.473	-6.502778
316	0.463	-6.68838
317	0.453	-6.878036
318	0.443	-7.071926
319	0.433	-7.270242
320	0.423	-7.473193
321	0.414	-7.659993
322	0.405	-7.8509
323	0.396	-8.046097
324	0.387	-8.245781
325	0.378	-8.450164
326	0.37	-8.635965
327	0.362	-8.825829
328	0.354	-9.019935
329	0.346	-9.218478
330	0.338	-9.421666
331	0.331	-9.60344
332	0.324	-9.7891
333	0.316	-10.00626
334	0.309	-10.20083
335	0.302	-10.39986
336	0.296	-10.57417
337	0.289	-10.78204
338	0.283	-10.96427
339	0.276	-11.18182
340	0.27	-11.37272
341	0.264	-11.56792
342	0.258	-11.76761
343	0.253	-11.93759
344	0.247	-12.14606
345	0.241	-12.35966
346	0.236	-12.54176
347	0.231	-12.72776
348	0.226	-12.91783
349	0.221	-13.11215
350	0.216	-13.31092
351	0.211	-13.51435
352	0.206	-13.72266
353	0.202	-13.89297
354	0.197	-14.11068
355	0.193	-14.28885

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ANTENNA PATTERN  
NUMBER: KBAQ20030915B

356	0.19	-14.42493
357	0.187	-14.56317
358	0.185	-14.65657
359	0.182	-14.79857