

KBAQ(FM)  
FM CHANNEL 208C  
PHOENIX, AZ

EXHIBIT E-2A  
DIRECTIONAL ANTENNA PATTERN  
TABULATION

DIRECTIONAL ANTENNA  
PATTERN NUMBER:  
KBAQ-20041109

'Azimuth'	'Field Value'	'dB Gain'
0	1	0
1	1	0
2	1	0
3	1	0
4	1	0
5	1	0
6	1	0
7	1	0
8	1	0
9	1	0
10	1	0
11	1	0
12	1	0
13	1	0
14	1	0
15	1	0
16	1	0
17	1	0
18	1	0
19	1	0
20	1	0
21	1	0
22	1	0
23	1	0
24	1	0
25	1	0
26	1	0
27	1	0
28	1	0
29	1	0
30	1	0
31	1	0
32	1	0
33	1	0
34	1	0
35	1	0
36	1	0
37	1	0
38	1	0
39	1	0
40	1	0
41	1	0
42	1	0
43	1	0
44	1	0
45	1	0
46	1	0
47	1	0
48	1	0
49	1	0

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PATTERN NUMBER:  
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50	1	0
51	1	0
52	1	0
53	1	0
54	1	0
55	1	0
56	1	0
57	1	0
58	1	0
59	1	0
60	1	0
61	1	0
62	1	0
63	1	0
64	1	0
65	1	0
66	1	0
67	1	0
68	1	0
69	1	0
70	1	0
71	1	0
72	1	0
73	1	0
74	1	0
75	1	0
76	1	0
77	1	0
78	1	0
79	1	0
80	1	0
81	1	0
82	1	0
83	1	0
84	1	0
85	1	0
86	0.98702	-0.1134813
87	0.97404	-0.2284644
88	0.9610599	-0.3449906
89	0.9480799	-0.4631008
90	0.9350999	-0.5828398
91	0.9147617	-0.7738409
92	0.8944234	-0.9691367
93	0.8740851	-1.168925
94	0.8537469	-1.373417
95	0.8334087	-1.58284
96	0.8152822	-1.773841
97	0.7971557	-1.969137
98	0.7790292	-2.168925
99	0.7609027	-2.373417
100	0.7427762	-2.58284

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PATTERN NUMBER:  
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101	0.7268332	-2.771305
102	0.7108903	-2.963948
103	0.6949473	-3.160963
104	0.6790044	-3.362549
105	0.6630614	-3.568925
106	0.6628491	-3.571706
107	0.6626368	-3.574489
108	0.6624246	-3.577271
109	0.6622123	-3.580056
110	0.662	-3.58284
111	0.662	-3.58284
112	0.662	-3.58284
113	0.662	-3.58284
114	0.662	-3.58284
115	0.662	-3.58284
116	0.662	-3.58284
117	0.662	-3.58284
118	0.662	-3.58284
119	0.662	-3.58284
120	0.662	-3.58284
121	0.662	-3.58284
122	0.662	-3.58284
123	0.662	-3.58284
124	0.662	-3.58284
125	0.662	-3.58284
126	0.662	-3.58284
127	0.662	-3.58284
128	0.662	-3.58284
129	0.662	-3.58284
130	0.662	-3.58284
131	0.662	-3.58284
132	0.662	-3.58284
133	0.662	-3.58284
134	0.662	-3.58284
135	0.662	-3.58284
136	0.6620668	-3.581964
137	0.6621336	-3.581087
138	0.6622004	-3.580211
139	0.6622672	-3.579335
140	0.662334	-3.578459
141	0.6622672	-3.579335
142	0.6622004	-3.580211
143	0.6621336	-3.581087
144	0.6620668	-3.581964
145	0.662	-3.58284
146	0.662	-3.58284
147	0.662	-3.58284
148	0.662	-3.58284
149	0.662	-3.58284
150	0.662	-3.58284
151	0.662	-3.58284

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DIRECTIONAL ANTENNA  
PATTERN NUMBER:  
KBAQ-20041109

152	0.662	-3.58284
153	0.662	-3.58284
154	0.662	-3.58284
155	0.662	-3.58284
156	0.662	-3.58284
157	0.662	-3.58284
158	0.662	-3.58284
159	0.662	-3.58284
160	0.662	-3.58284
161	0.662	-3.58284
162	0.662	-3.58284
163	0.662	-3.58284
164	0.662	-3.58284
165	0.662	-3.58284
166	0.662	-3.58284
167	0.662	-3.58284
168	0.662	-3.58284
169	0.662	-3.58284
170	0.662	-3.58284
171	0.662	-3.58284
172	0.662	-3.58284
173	0.662	-3.58284
174	0.662	-3.58284
175	0.662	-3.58284
176	0.6622341	-3.57977
177	0.6624682	-3.576699
178	0.6627023	-3.573631
179	0.6629364	-3.570563
180	0.6631705	-3.567497
181	0.6719364	-3.453437
182	0.6807023	-3.340856
183	0.6894682	-3.229715
184	0.6982341	-3.119979
185	0.707	-3.011611
186	0.707	-3.011611
187	0.707	-3.011611
188	0.707	-3.011611
189	0.707	-3.011611
190	0.707	-3.011611
191	0.707	-3.011611
192	0.707	-3.011611
193	0.707	-3.011611
194	0.707	-3.011611
195	0.707	-3.011611
196	0.707	-3.011611
197	0.707	-3.011611
198	0.707	-3.011611
199	0.707	-3.011611
200	0.707	-3.011611
201	0.707	-3.011611
202	0.707	-3.011611

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PATTERN NUMBER:  
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203	0.707	-3.011611
204	0.707	-3.011611
205	0.707	-3.011611
206	0.7072267	-3.008827
207	0.7074534	-3.006043
208	0.7076801	-3.00326
209	0.7079068	-3.000478
210	0.7081335	-2.997697
211	0.7081335	-2.997697
212	0.7081335	-2.997697
213	0.7081335	-2.997697
214	0.7081335	-2.997697
215	0.7081335	-2.997697
216	0.7081335	-2.997697
217	0.7081335	-2.997697
218	0.7081335	-2.997697
219	0.7081335	-2.997697
220	0.7081335	-2.997697
221	0.7081335	-2.997697
222	0.7081335	-2.997697
223	0.7081335	-2.997697
224	0.7081335	-2.997697
225	0.7081335	-2.997697
226	0.7081335	-2.997697
227	0.7081335	-2.997697
228	0.7081335	-2.997697
229	0.7081335	-2.997697
230	0.7081335	-2.997697
231	0.7081335	-2.997697
232	0.7081335	-2.997697
233	0.7081335	-2.997697
234	0.7081335	-2.997697
235	0.7081335	-2.997697
236	0.7081335	-2.997697
237	0.7081335	-2.997697
238	0.7081335	-2.997697
239	0.7081335	-2.997697
240	0.7081335	-2.997697
241	0.7079068	-3.000478
242	0.7076801	-3.00326
243	0.7074534	-3.006043
244	0.7072267	-3.008827
245	0.707	-3.011611
246	0.7242	-2.80283
247	0.7414	-2.598948
248	0.7586	-2.399743
249	0.7758	-2.205005
250	0.793	-2.014536
251	0.8123521	-1.805114
252	0.8317043	-1.600621
253	0.8510564	-1.400833

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PATTERN NUMBER:  
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254	0.8704085	-1.205537
255	0.8897607	-1.014536
256	0.9114741	-0.8051133
257	0.9331875	-0.6006213
258	0.954901	-0.4008332
259	0.9766144	-0.2055374
260	0.9983279	-1.45E-02
261	0.9986623	-1.16E-02
262	0.9989967	-8.72E-03
263	0.9993311	-5.81E-03
264	0.9996656	-2.91E-03
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	1	0
282	1	0
283	1	0
284	1	0
285	1	0
286	1	0
287	1	0
288	1	0
289	1	0
290	1	0
291	1	0
292	1	0
293	1	0
294	1	0
295	1	0
296	1	0
297	1	0
298	1	0
299	1	0
300	1	0
301	1	0
302	1	0
303	1	0
304	1	0

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PATTERN NUMBER:  
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305	1	0
306	1	0
307	1	0
308	1	0
309	1	0
310	1	0
311	1	0
312	1	0
313	1	0
314	1	0
315	1	0
316	1	0
317	1	0
318	1	0
319	1	0
320	1	0
321	1	0
322	1	0
323	1	0
324	1	0
325	1	0
326	1	0
327	1	0
328	1	0
329	1	0
330	1	0
331	1	0
332	1	0
333	1	0
334	1	0
335	1	0
336	1	0
337	1	0
338	1	0
339	1	0
340	1	0
341	1	0
342	1	0
343	1	0
344	1	0
345	1	0
346	1	0
347	1	0
348	1	0
349	1	0
350	1	0
351	1	0
352	1	0
353	1	0
354	1	0
355	1	0

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PATTERN NUMBER:  
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356	1	0
357	1	0
358	1	0
359	1	0