

KSRV(FM)
FM CHANNEL 241 C
ONTARIO, OR

EXHIBIT E-3A
DIRECTIONAL ANTENNA
PATTERN TABULATION

DA PATTERN #
20040608B

'Azimuth'	'Field Value'	'dB Gain'
0	1	0
1	0.9888121	-9.77E-02
2	0.9776243	-0.1965603
3	0.9664365	-0.2965335
4	0.9552487	-0.3976713
5	0.9440608	-0.5000007
6	0.9235277	-0.6910019
7	0.9029945	-0.8862978
8	0.8824614	-1.086086
9	0.8619282	-1.290578
10	0.8413951	-1.500001
11	0.8230949	-1.691002
12	0.8047947	-1.886298
13	0.7864945	-2.086086
14	0.7681943	-2.290578
15	0.7498941	-2.500001
16	0.7335841	-2.691002
17	0.717274	-2.886298
18	0.700964	-3.086086
19	0.6846539	-3.290579
20	0.6683438	-3.500001
21	0.6538075	-3.691002
22	0.6392711	-3.886298
23	0.6247348	-4.086086
24	0.6101984	-4.290578
25	0.5956621	-4.5
26	0.5956621	-4.5
27	0.5956621	-4.5
28	0.5956621	-4.5
29	0.5956621	-4.5
30	0.5956621	-4.5
31	0.5956621	-4.5
32	0.5956621	-4.5
33	0.5956621	-4.5
34	0.5956621	-4.5
35	0.5956621	-4.5
36	0.5956621	-4.5
37	0.5956621	-4.5
38	0.5956621	-4.5
39	0.5956621	-4.5
40	0.5956621	-4.5
41	0.5956621	-4.5
42	0.5956621	-4.5
43	0.5956621	-4.5
44	0.5956621	-4.5
45	0.5956621	-4.5
46	0.5956621	-4.5
47	0.5956621	-4.5
48	0.5956621	-4.5
49	0.5956621	-4.5

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50	0.5956621	-4.5
51	0.5956621	-4.5
52	0.5956621	-4.5
53	0.5956621	-4.5
54	0.5956621	-4.5
55	0.5956621	-4.5
56	0.5956621	-4.5
57	0.5956621	-4.5
58	0.5956621	-4.5
59	0.5956621	-4.5
60	0.5956621	-4.5
61	0.5956621	-4.5
62	0.5956621	-4.5
63	0.5956621	-4.5
64	0.5956621	-4.5
65	0.5956621	-4.5
66	0.5956621	-4.5
67	0.5956621	-4.5
68	0.5956621	-4.5
69	0.5956621	-4.5
70	0.5956621	-4.5
71	0.5956621	-4.5
72	0.5956621	-4.5
73	0.5956621	-4.5
74	0.5956621	-4.5
75	0.5956621	-4.5
76	0.5956621	-4.5
77	0.5956621	-4.5
78	0.5956621	-4.5
79	0.5956621	-4.5
80	0.5956621	-4.5
81	0.5956621	-4.5
82	0.5956621	-4.5
83	0.5956621	-4.5
84	0.5956621	-4.5
85	0.5956621	-4.5
86	0.5956621	-4.5
87	0.5956621	-4.5
88	0.5956621	-4.5
89	0.5956621	-4.5
90	0.5956621	-4.5
91	0.5956621	-4.5
92	0.5956621	-4.5
93	0.5956621	-4.5
94	0.5956621	-4.5
95	0.5956621	-4.5
96	0.6101297	-4.291556
97	0.6245973	-4.087998
98	0.6390648	-3.889102
99	0.6535324	-3.694658
100	0.668	-3.504471

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101	0.6843017	-3.295048
102	0.7006033	-3.090556
103	0.716905	-2.890768
104	0.7332066	-2.695472
105	0.7495083	-2.504471
106	0.7677991	-2.295048
107	0.7860898	-2.090556
108	0.8043807	-1.890768
109	0.8226714	-1.695472
110	0.8409622	-1.504471
111	0.8614848	-1.295048
112	0.8820074	-1.090556
113	0.9025299	-0.8907681
114	0.9230525	-0.6954721
115	0.9435751	-0.5044707
116	0.9548601	-0.4012052
117	0.966145	-0.2991534
118	0.97743	-0.1982863
119	0.988715	-0.0985776
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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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	1	0
167	1	0
168	1	0
169	1	0
170	1	0
171	1	0
172	1	0
173	1	0
174	1	0
175	1	0
176	1	0
177	1	0
178	1	0
179	1	0
180	1	0
181	1	0
182	1	0
183	1	0
184	1	0
185	1	0
186	1	0
187	1	0
188	1	0
189	1	0
190	1	0
191	1	0
192	1	0
193	1	0
194	1	0
195	1	0
196	1	0
197	1	0
198	1	0
199	1	0
200	1	0
201	1	0
202	1	0

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203	1	0
204	1	0
205	1	0
206	1	0
207	1	0
208	1	0
209	1	0
210	1	0
211	1	0
212	1	0
213	1	0
214	1	0
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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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	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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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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356	1	0
357	1	0
358	1	0
359	1	0