

KTUN(FM)
FM CHANNEL 269 C1
EAGLE, COLORADO

EXHIBIT E-3A
PROPOSED
DIRECTIONAL ANTENNA
TABULATION

KTUN DA PATTERN
NUMBER 20050321A

'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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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	0.9909985	-0.07854
87	0.981997	-0.1577967
88	0.9729955	-0.2377832
89	0.963994	-0.3185132
90	0.9549925	-0.4000005
91	0.9342216	-0.5910017
92	0.9134507	-0.7862976
93	0.8926798	-0.9860863
94	0.8719088	-1.190578
95	0.8511379	-1.400001
96	0.8326259	-1.591002
97	0.8141137	-1.786298
98	0.7956017	-1.986086
99	0.7770895	-2.190579
100	0.7585775	-2.400001

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		TABULATION
101	0.7420785	-2.591002
102	0.7255796	-2.786299
103	0.7090807	-2.986087
104	0.6925818	-3.190579
105	0.6760828	-3.400002
106	0.6613782	-3.591002
107	0.6466735	-3.786299
108	0.6319689	-3.986086
109	0.6172642	-4.190579
110	0.6025595	-4.400001
111	0.5894539	-4.591002
112	0.5763484	-4.786298
113	0.5632429	-4.986086
114	0.5501373	-5.190578
115	0.5370318	-5.400001
116	0.5501373	-5.190578
117	0.5632429	-4.986086
118	0.5763484	-4.786298
119	0.5894539	-4.591002
120	0.6025595	-4.400001
121	0.6172642	-4.190579
122	0.6319689	-3.986086
123	0.6466735	-3.786299
124	0.6613782	-3.591002
125	0.6760828	-3.400002
126	0.6925818	-3.190579
127	0.7090807	-2.986087
128	0.7255796	-2.786299
129	0.7420785	-2.591002
130	0.7585775	-2.400001
131	0.7770895	-2.190579
132	0.7956017	-1.986086
133	0.8141137	-1.786298
134	0.8326259	-1.591002
135	0.8511379	-1.400001
136	0.8719088	-1.190578
137	0.8926798	-0.9860863
138	0.9134507	-0.7862976
139	0.9342216	-0.5910017
140	0.9549925	-0.4000005
141	0.963994	-0.3185132
142	0.9729955	-0.2377832
143	0.981997	-0.1577967
144	0.9909985	-0.07854
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
357	1
358	1
359	1

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0 TABULATION
0
0
0

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