

` KNME
2x1 K723147 Panel array
3 deg EDT ch 22

FREQUENCY : 519.3 MHZ
ELEVATION ANGLE FOR HRP : -3.0

AZIMUTH (°)	RELATIVE FIELD (%)	(dB)
0.	20.6	-13.7
1.	21.8	-13.2
2.	23.0	-12.7
3.	24.3	-12.3
4.	25.6	-11.8
5.	27.0	-11.4
6.	28.4	-10.9
7.	29.9	-10.5
8.	31.4	-10.1
9.	32.9	-9.7
10.	34.4	-9.3
11.	35.9	-8.9
12.	37.4	-8.5
13.	39.0	-8.2
14.	40.5	-7.9
15.	42.0	-7.5
16.	43.4	-7.3
17.	44.8	-7.0
18.	46.1	-6.7
19.	47.5	-6.5
20.	48.9	-6.2
21.	50.3	-6.0
22.	51.7	-5.7
23.	53.1	-5.5
24.	54.6	-5.3
25.	56.0	-5.0
26.	57.7	-4.8
27.	59.4	-4.5
28.	61.1	-4.3
29.	62.8	-4.0
30.	64.5	-3.8
31.	66.2	-3.6
32.	67.9	-3.4
33.	69.7	-3.1
34.	71.4	-2.9
35.	73.0	-2.7
36.	74.6	-2.5
37.	76.1	-2.4
38.	77.6	-2.2
39.	79.1	-2.0
40.	80.5	-1.9
41.	81.9	-1.7
42.	83.2	-1.6
43.	84.6	-1.5
44.	85.9	-1.3
45.	87.0	-1.2
46.	88.2	-1.1
47.	89.2	-1.0
48.	90.3	-.9

49.	91.3	-.8
50.	92.1	-.7
51.	93.0	-.6
52.	93.9	-.6
53.	94.6	-.5
54.	95.4	-.4
55.	96.0	-.4
56.	96.7	-.3
57.	97.3	-.2
58.	97.9	-.2
59.	98.4	-.1
60.	98.8	-.1
61.	99.2	-.1
62.	99.5	.0
63.	99.8	.0
64.	99.9	.0
65.	100.0	.0
66.	99.9	.0
67.	99.8	.0
68.	99.5	.0
69.	99.2	-.1
70.	98.8	-.1
71.	98.4	-.1
72.	97.9	-.2
73.	97.3	-.2
74.	96.7	-.3
75.	96.0	-.4
76.	95.4	-.4
77.	94.6	-.5
78.	93.9	-.6
79.	93.0	-.6
80.	92.1	-.7
81.	91.2	-.8
82.	90.2	-.9
83.	89.2	-1.0
84.	88.1	-1.1
85.	87.0	-1.2
86.	85.8	-1.3
87.	84.5	-1.5
88.	83.2	-1.6
89.	81.9	-1.7
90.	80.5	-1.9
91.	79.1	-2.0
92.	77.6	-2.2
93.	76.1	-2.4
94.	74.6	-2.5
95.	73.0	-2.7
96.	71.3	-2.9
97.	69.6	-3.1
98.	68.0	-3.4
99.	66.2	-3.6
100.	64.5	-3.8
101.	62.8	-4.0
102.	61.1	-4.3
103.	59.4	-4.5
104.	57.7	-4.8
105.	56.0	-5.0

106.	54.6	-5.3
107.	53.1	-5.5
108.	51.7	-5.7
109.	50.3	-6.0
110.	48.9	-6.2
111.	47.5	-6.5
112.	46.1	-6.7
113.	44.8	-7.0
114.	43.4	-7.3
115.	42.0	-7.5
116.	40.5	-7.9
117.	39.0	-8.2
118.	37.4	-8.5
119.	35.9	-8.9
120.	34.4	-9.3
121.	32.9	-9.7
122.	31.4	-10.1
123.	29.9	-10.5
124.	28.5	-10.9
125.	27.0	-11.4
126.	25.6	-11.8
127.	24.3	-12.3
128.	23.0	-12.8
129.	21.8	-13.2
130.	20.6	-13.7
131.	19.4	-14.3
132.	18.2	-14.8
133.	17.1	-15.3
134.	16.0	-15.9
135.	15.0	-16.5
136.	14.0	-17.1
137.	13.0	-17.7
138.	12.1	-18.3
139.	11.2	-19.0
140.	10.4	-19.7
141.	9.6	-20.4
142.	8.9	-21.1
143.	8.2	-21.7
144.	7.6	-22.4
145.	7.0	-23.1
146.	6.6	-23.6
147.	6.2	-24.1
148.	5.9	-24.6
149.	5.7	-25.0
150.	5.4	-25.3
151.	5.3	-25.6
152.	5.2	-25.8
153.	5.1	-25.9
154.	5.0	-26.0
155.	5.0	-26.0
156.	5.0	-26.0
157.	5.1	-25.9
158.	5.1	-25.8
159.	5.2	-25.7
160.	5.3	-25.5
161.	5.4	-25.3
162.	5.6	-25.1

163.	5.7	-24.9
164.	5.9	-24.7
165.	6.0	-24.4
166.	6.1	-24.3
167.	6.2	-24.1
168.	6.3	-24.0
169.	6.5	-23.8
170.	6.6	-23.7
171.	6.7	-23.5
172.	6.8	-23.4
173.	6.9	-23.3
174.	6.9	-23.2
175.	7.0	-23.1
176.	7.0	-23.0
177.	7.1	-23.0
178.	7.1	-23.0
179.	7.1	-22.9
180.	7.1	-22.9
181.	7.1	-22.9
182.	7.1	-23.0
183.	7.1	-23.0
184.	7.0	-23.0
185.	7.0	-23.1
186.	6.9	-23.2
187.	6.9	-23.2
188.	6.8	-23.3
189.	6.7	-23.4
190.	6.6	-23.6
191.	6.5	-23.7
192.	6.4	-23.9
193.	6.3	-24.0
194.	6.1	-24.2
195.	6.0	-24.4
196.	5.8	-24.7
197.	5.7	-25.0
198.	5.5	-25.3
199.	5.3	-25.6
200.	5.1	-25.9
201.	4.9	-26.3
202.	4.6	-26.7
203.	4.4	-27.1
204.	4.2	-27.5
205.	4.0	-28.0
206.	3.7	-28.6
207.	3.4	-29.3
208.	3.2	-30.0
209.	2.9	-30.7
210.	2.7	-31.4
211.	2.5	-32.1
212.	2.3	-32.8
213.	2.2	-33.3
214.	2.1	-33.7
215.	2.0	-34.0
216.	2.1	-33.5
217.	2.3	-32.8
218.	2.5	-32.0
219.	2.8	-31.2

220.	3.1	-30.3
221.	3.4	-29.4
222.	3.8	-28.5
223.	4.1	-27.7
224.	4.6	-26.8
225.	5.0	-26.0
226.	5.5	-25.2
227.	6.0	-24.4
228.	6.5	-23.7
229.	7.0	-23.0
230.	7.6	-22.4
231.	8.1	-21.8
232.	8.6	-21.3
233.	9.1	-20.8
234.	9.6	-20.4
235.	10.0	-20.0
236.	10.4	-19.7
237.	10.7	-19.4
238.	11.0	-19.2
239.	11.2	-19.0
240.	11.4	-18.8
241.	11.6	-18.7
242.	11.8	-18.6
243.	11.9	-18.5
244.	12.0	-18.4
245.	12.0	-18.4
246.	12.0	-18.4
247.	11.9	-18.5
248.	11.8	-18.6
249.	11.6	-18.7
250.	11.4	-18.8
251.	11.2	-19.0
252.	11.0	-19.2
253.	10.7	-19.4
254.	10.4	-19.7
255.	10.0	-20.0
256.	9.6	-20.4
257.	9.1	-20.8
258.	8.6	-21.3
259.	8.1	-21.8
260.	7.6	-22.4
261.	7.0	-23.0
262.	6.5	-23.7
263.	6.0	-24.4
264.	5.5	-25.2
265.	5.0	-26.0
266.	4.6	-26.8
267.	4.1	-27.7
268.	3.8	-28.5
269.	3.4	-29.4
270.	3.1	-30.3
271.	2.8	-31.2
272.	2.5	-32.0
273.	2.3	-32.8
274.	2.1	-33.5
275.	2.0	-34.0
276.	2.1	-33.7

277.	2.2	-33.3
278.	2.3	-32.8
279.	2.5	-32.1
280.	2.7	-31.4
281.	2.9	-30.7
282.	3.2	-30.0
283.	3.4	-29.3
284.	3.7	-28.6
285.	4.0	-28.0
286.	4.2	-27.5
287.	4.4	-27.1
288.	4.6	-26.7
289.	4.9	-26.3
290.	5.1	-25.9
291.	5.3	-25.6
292.	5.5	-25.3
293.	5.7	-25.0
294.	5.8	-24.7
295.	6.0	-24.4
296.	6.1	-24.2
297.	6.3	-24.0
298.	6.4	-23.9
299.	6.5	-23.7
300.	6.6	-23.6
301.	6.7	-23.5
302.	6.8	-23.3
303.	6.9	-23.2
304.	6.9	-23.2
305.	7.0	-23.1
306.	7.0	-23.0
307.	7.1	-23.0
308.	7.1	-23.0
309.	7.1	-23.0
310.	7.1	-22.9
311.	7.1	-23.0
312.	7.1	-23.0
313.	7.1	-23.0
314.	7.0	-23.0
315.	7.0	-23.1
316.	6.9	-23.2
317.	6.9	-23.3
318.	6.8	-23.4
319.	6.7	-23.5
320.	6.6	-23.7
321.	6.5	-23.8
322.	6.3	-23.9
323.	6.2	-24.1
324.	6.1	-24.3
325.	6.0	-24.4
326.	5.9	-24.7
327.	5.7	-24.9
328.	5.6	-25.1
329.	5.4	-25.3
330.	5.3	-25.5
331.	5.2	-25.7
332.	5.1	-25.8
333.	5.1	-25.9

334.	5.0	-26.0
335.	5.0	-26.0
336.	5.0	-26.0
337.	5.1	-25.9
338.	5.1	-25.8
339.	5.3	-25.6
340.	5.4	-25.3
341.	5.6	-25.0
342.	5.9	-24.6
343.	6.2	-24.1
344.	6.6	-23.6
345.	7.0	-23.1
346.	7.6	-22.4
347.	8.2	-21.7
348.	8.9	-21.0
349.	9.6	-20.4
350.	10.4	-19.7
351.	11.2	-19.0
352.	12.1	-18.3
353.	13.0	-17.7
354.	14.0	-17.1
355.	15.0	-16.5
356.	16.0	-15.9
357.	17.1	-15.3
358.	18.2	-14.8
359.	19.4	-14.3
360.	20.6	-13.7

AZIMUTH ANGLE FOR VRP : 65.0

ELEVATION	RELATIVE FIELD	
(°)	(%)	(dB)
90.	10.4	-19.7
89.	10.7	-19.4
88.	11.1	-19.1
87.	11.5	-18.8
86.	11.9	-18.5
85.	12.4	-18.1
84.	12.8	-17.9
83.	13.2	-17.6
82.	13.6	-17.3
81.	14.1	-17.0
80.	14.6	-16.7
79.	15.3	-16.3
78.	16.0	-15.9
77.	16.7	-15.6
76.	17.4	-15.2
75.	18.1	-14.9
74.	18.6	-14.6
73.	19.0	-14.4
72.	19.5	-14.2
71.	19.9	-14.0
70.	20.4	-13.8
69.	21.0	-13.6
68.	21.5	-13.3
67.	22.1	-13.1
66.	22.6	-12.9
65.	23.0	-12.8
64.	23.2	-12.7

63.	23.3	-12.6
62.	23.3	-12.6
61.	23.2	-12.7
60.	23.0	-12.8
59.	22.6	-12.9
58.	22.1	-13.1
57.	21.4	-13.4
56.	20.6	-13.7
55.	19.4	-14.2
54.	18.4	-14.7
53.	17.0	-15.4
52.	15.4	-16.2
51.	13.9	-17.2
50.	12.1	-18.4
49.	10.0	-20.0
48.	8.1	-21.8
47.	6.1	-24.2
46.	4.3	-27.4
45.	2.5	-32.1
44.	.9	-40.4
43.	.7	-43.1
42.	2.0	-34.0
41.	3.2	-29.8
40.	4.4	-27.1
39.	5.3	-25.5
38.	5.9	-24.6
37.	6.5	-23.8
36.	6.9	-23.2
35.	7.3	-22.7
34.	8.2	-21.7
33.	9.3	-20.6
32.	10.8	-19.3
31.	12.7	-17.9
30.	15.0	-16.5
29.	18.1	-14.9
28.	21.5	-13.4
27.	25.2	-12.0
26.	28.9	-10.8
25.	32.5	-9.8
24.	35.6	-9.0
23.	38.2	-8.4
22.	40.4	-7.9
21.	41.8	-7.6
20.	42.3	-7.5
19.	42.2	-7.5
18.	40.7	-7.8
17.	38.8	-8.2
16.	35.2	-9.1
15.	31.2	-10.1
14.	25.5	-11.9
13.	19.0	-14.4
12.	11.7	-18.7
11.	3.4	-29.2
10.	6.1	-24.3
9.	15.6	-16.1
8.	25.8	-11.8
7.	36.1	-8.8

6.	46.1	-6.7
5.	55.8	-5.1
4.	65.5	-3.7
3.	74.1	-2.6
2.	81.5	-1.8
1.	88.2	-1.1
0.	93.2	-.6
-1.	97.1	-.3
-2.	99.3	-.1
-3.	100.0	.0
-4.	99.3	-.1
-5.	97.0	-.3
-6.	93.3	-.6
-7.	88.1	-1.1
-8.	82.0	-1.7
-9.	74.8	-2.5
-10.	67.0	-3.5
-11.	59.3	-4.5
-12.	50.4	-6.0
-13.	41.9	-7.6
-14.	33.4	-9.5
-15.	25.4	-11.9
-16.	17.0	-15.4
-17.	9.9	-20.1
-18.	2.9	-30.6
-19.	2.6	-31.8
-20.	7.7	-22.2
-21.	11.9	-18.5
-22.	15.0	-16.5
-23.	17.4	-15.2
-24.	19.1	-14.4
-25.	19.9	-14.0
-26.	19.7	-14.1
-27.	19.1	-14.4
-28.	17.9	-15.0
-29.	16.4	-15.7
-30.	14.8	-16.6
-31.	13.6	-17.3
-32.	12.6	-18.0
-33.	11.8	-18.5
-34.	11.4	-18.9
-35.	11.2	-19.0
-36.	11.7	-18.6
-37.	12.4	-18.1
-38.	13.2	-17.6
-39.	14.0	-17.1
-40.	14.6	-16.7
-41.	14.7	-16.6
-42.	14.6	-16.7
-43.	14.3	-16.9
-44.	13.8	-17.2
-45.	13.2	-17.6
-46.	12.7	-17.9
-47.	12.0	-18.4
-48.	11.0	-19.2
-49.	9.8	-20.1
-50.	8.5	-21.4

-51.	6.9	-23.2
-52.	5.2	-25.7
-53.	3.5	-29.1
-54.	1.9	-34.5
-55.	.1	-58.2
-56.	1.4	-36.9
-57.	3.0	-30.6
-58.	4.5	-26.9
-59.	5.9	-24.6
-60.	7.2	-22.8
-61.	8.5	-21.5
-62.	9.5	-20.4
-63.	10.4	-19.7
-64.	11.4	-18.9
-65.	11.9	-18.5
-66.	12.6	-18.0
-67.	13.1	-17.6
-68.	13.4	-17.5
-69.	13.7	-17.3
-70.	13.9	-17.2
-71.	14.1	-17.0
-72.	14.3	-16.9
-73.	14.4	-16.8
-74.	14.5	-16.8
-75.	14.5	-16.8
-76.	14.3	-16.9
-77.	14.1	-17.0
-78.	13.8	-17.2
-79.	13.4	-17.4
-80.	13.1	-17.6
-81.	12.9	-17.8
-82.	12.6	-18.0
-83.	12.4	-18.2
-84.	12.1	-18.4
-85.	11.8	-18.6
-86.	11.5	-18.8
-87.	11.1	-19.1
-88.	10.8	-19.4
-89.	10.4	-19.6
-90.	10.1	-19.9