

frequency in MHz 519.250
 down-tilt in 3.0
 max / mean in dB 7.31

KNME

SCALA Medford Oregon	2x1 K723147 Panel array 3 deg EDT ch 22	Typ Nr.
mj 16.3.** 13:58		81.:

simulation with typical exactness of +/- 8% of max signal

Azimuth Radiation Pattern in % and dB at downtilt: 3.0

f = 519.250MHz

azimuth	%	dB	azimuth	%	dB
0	20.6	-13.7	180	7.1	-22.9
5	27.0	-11.4	185	7.0	-23.1
10	34.4	-9.3	190	6.6	-23.6
15	42.0	-7.5	195	6.0	-24.4
20	48.9	-6.2	200	5.1	-25.9
25	56.0	-5.0	205	4.0	-28.0
30	64.5	-3.8	210	2.7	-31.4
35	73.0	-2.7	215	2.0	-34.0
40	80.5	-1.9	220	3.1	-30.3
45	87.0	-1.2	225	5.0	-26.0
50	92.1	-.7	230	7.6	-22.4
55	96.0	-.4	235	10.0	-20.0
60	98.8	-.1	240	11.4	-18.8
65	100.0	.0	245	12.0	-18.4
70	98.8	-.1	250	11.4	-18.8
75	96.0	-.4	255	10.0	-20.0
80	92.1	-.7	260	7.6	-22.4
85	87.0	-1.2	265	5.0	-26.0
90	80.5	-1.9	270	3.1	-30.3
95	73.0	-2.7	275	2.0	-34.0
100	64.5	-3.8	280	2.7	-31.4
105	56.0	-5.0	285	4.0	-28.0
110	48.9	-6.2	290	5.1	-25.9
115	42.0	-7.5	295	6.0	-24.4
120	34.4	-9.3	300	6.6	-23.6
125	27.0	-11.4	305	7.0	-23.1
130	20.6	-13.7	310	7.1	-22.9
135	15.0	-16.5	315	7.0	-23.1
140	10.4	-19.7	320	6.6	-23.7
145	7.0	-23.1	325	6.0	-24.4
150	5.4	-25.3	330	5.3	-25.5
155	5.0	-26.0	335	5.0	-26.0
160	5.3	-25.5	340	5.4	-25.3
165	6.0	-24.4	345	7.0	-23.1
170	6.6	-23.7	350	10.4	-19.7
175	7.0	-23.1	355	15.0	-16.5
180	7.1	-22.9	360	20.6	-13.7

maximum fieldstrength was found at:

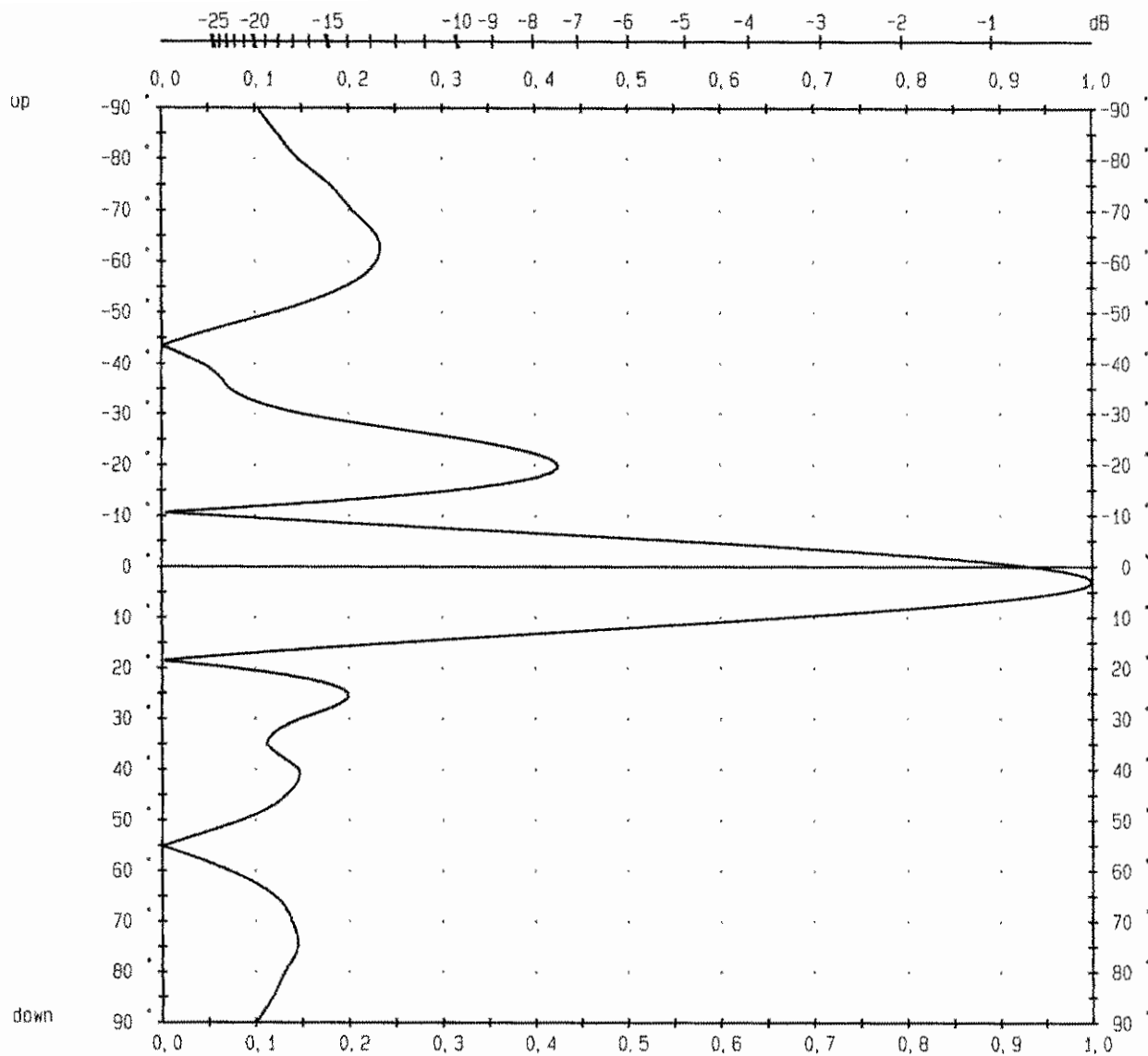
azimuth 65.

downtilt 3.

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		Bl.:

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Dimensions and Feeding of Antenna System antenna type: K72314. 4 dipole panel 470-860 MHZ

operating f in MHz : 519.250 .000 .000 .000 .000
operating channels : 22 0 0 0 0
database f in MHz : 500
max. azimuth angle 180 max. declination 90 cable design frequency: 519.250 MHz
compensation in % : 32.84 .00 .00 .00 .00

bay height v-feed power|cab-ph|fix-ph panel|azipos|azidir| radius| tanoff | radoff | tilt| power|cab-ph|fix-ph
2 1150 1.0| 47.8| .0 1| 65.0| 65.0| .0| .0| .0| .0| 1.0| .0| .0
bay height v-feed power|cab-ph|fix-ph panel|azipos|azidir| radius| tanoff | radoff | tilt| power|cab-ph|fix-ph
1 0 1.0| .0| .0 1| 65.0| 65.0| .0| .0| .0| .0| 1.0| .0| .0

Directivity from HRP and zoomed VRP

operating f in MHz : 519.250 .000 .000 .000 .000
operating channel : 22 0 0 0 0
HRP max/mean in dB : 7.31 .00 .00 .00 .00
VRP omnidir in dB : 6.35 .00 .00 .00 .00
directivity in dB : 13.66 .00 .00 .00 .00 ← peak gain in 18d

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<p>m) 16.3.** 13:58</p>	<p>3 deg EDT ch 22</p>	<p>B1.:</p>