

ERI® Horizontal Plane Relative Field List

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Station: KSWG
Location: Wickenburg, AZ.
Frequency: 96.3 MHz

Antenna: LP-2E-DA-HW
Orientation: 295.569° True
Tower: 24" Face Tower

Figure: 1
Date: 2/18/02
Reference: kswg1.m.fig

Angle	Envelope			Polarization	Angle	Envelope			Polarization
	Field	kW	dBk			Field	kW	dBk	
0°	0.981	6.15	7.89	Horizontal	180°	0.462	1.37	1.35	Vertical
5°	0.982	6.17	7.90	Horizontal	185°	0.511	1.67	2.22	Vertical
10°	0.974	6.07	7.83	Horizontal	190°	0.563	2.03	3.07	Vertical
15°	0.959	5.88	7.69	Horizontal	195°	0.616	2.42	3.85	Vertical
20°	0.936	5.60	7.48	Horizontal	200°	0.669	2.86	4.57	Vertical
25°	0.905	5.24	7.19	Horizontal	205°	0.719	3.31	5.19	Vertical
30°	0.867	4.81	6.82	Horizontal	210°	0.765	3.75	5.74	Vertical
35°	0.821	4.31	6.34	Horizontal	215°	0.802	4.12	6.15	Vertical
40°	0.765	3.75	5.74	Horizontal	220°	0.852	4.64	6.67	Horizontal
45°	0.719	3.31	5.19	Vertical	225°	0.904	5.23	7.18	Horizontal
50°	0.673	2.92	4.63	Vertical	230°	0.943	5.70	7.56	Horizontal
55°	0.626	2.51	3.99	Vertical	235°	0.971	6.03	7.80	Horizontal
60°	0.577	2.13	3.28	Vertical	240°	0.986	6.22	7.94	Horizontal
65°	0.526	1.77	2.48	Vertical	245°	0.988	6.25	7.96	Horizontal
70°	0.479	1.47	1.66	Vertical	250°	0.982	6.17	7.90	Horizontal
75°	0.435	1.21	0.83	Vertical	255°	0.970	6.02	7.79	Horizontal
80°	0.415	1.10	0.41	Horizontal	260°	0.952	5.80	7.63	Horizontal
85°	0.400	1.03	0.11	Horizontal	265°	0.937	5.62	7.50	Vertical
90°	0.381	0.93	-0.32	Horizontal	270°	0.930	5.53	7.43	Vertical
95°	0.336	0.81	-0.92	Horizontal	275°	0.923	5.46	7.37	Vertical
100°	0.323	0.68	-1.69	Horizontal	280°	0.926	5.49	7.40	Horizontal
105°	0.304	0.59	-2.29	Vertical	285°	0.936	5.61	7.49	Horizontal
110°	0.301	0.38	-2.36	Vertical	290°	0.953	5.81	7.64	Horizontal
115°	0.297	0.57	-2.48	Vertical	295°	0.973	6.06	7.83	Horizontal
120°	0.292	0.55	-2.64	Vertical	300°	0.989	6.26	7.96	Horizontal
125°	0.286	0.52	-2.82	Vertical	305°	0.997	6.37	8.04	Horizontal
130°	0.281	0.50	-2.97	Vertical	310°	1.000	6.40	8.06	Horizontal
135°	0.278	0.49	-3.07	Vertical	315°	1.000	6.40	8.06	Horizontal
140°	0.276	0.49	-3.13	Vertical	320°	0.997	6.36	8.04	Horizontal
145°	0.276	0.49	-3.12	Vertical	325°	0.990	6.27	7.97	Horizontal
150°	0.282	0.51	-2.94	Vertical	330°	0.990	6.27	7.97	Vertical
155°	0.304	0.59	-2.27	Horizontal	335°	0.996	6.35	8.02	Vertical
160°	0.332	0.71	-1.52	Horizontal	340°	0.999	6.39	8.05	Vertical
165°	0.358	0.82	-0.87	Horizontal	345°	1.000	6.40	8.06	Vertical
170°	0.385	0.95	-0.23	Horizontal	350°	0.997	6.36	8.03	Vertical
175°	0.416	1.11	0.44	Vertical	355°	0.990	6.27	7.97	Vertical

Polarization:
Maximum Field: 1.000 @ 309° True
Minimum Field: 0.275 @ 143° True
RMS: 0.761
Maximum ERP: 6.400 kW
Maximum Power Gain: 1.203 (0.802 dB)

Total Input Power: 5.321 kW