

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: 2

Date: 2/18/02

Reference: kswg1m.fig

Angle	Horizontal			Vertical			Angle	Horizontal			Vertical		
	Field	kW	dBk	Field	kW	dBk		Field	kW	dBk	Field	kW	dBk
0°	0.981	6.15	7.89	0.979	6.14	7.88	180°	0.437	1.22	0.87	0.462	1.37	1.33
5°	0.982	6.17	7.90	0.965	5.96	7.75	185°	0.463	1.37	1.37	0.511	1.67	2.22
10°	0.974	6.07	7.83	0.947	5.74	7.59	190°	0.486	1.51	1.79	0.563	2.03	3.07
15°	0.959	5.88	7.69	0.923	5.48	7.38	195°	0.506	1.64	2.14	0.616	2.42	3.85
20°	0.936	5.60	7.48	0.899	5.18	7.14	200°	0.548	1.92	2.83	0.669	2.86	4.57
25°	0.905	5.24	7.19	0.870	4.84	6.85	205°	0.616	2.43	3.85	0.719	3.31	5.19
30°	0.867	4.81	6.82	0.837	4.48	6.51	210°	0.706	3.19	5.04	0.765	3.75	5.74
35°	0.821	4.31	6.34	0.798	4.08	6.10	215°	0.788	3.97	5.99	0.802	4.12	6.13
40°	0.765	3.75	5.74	0.760	3.70	5.68	220°	0.852	4.64	6.67	0.837	4.48	6.51
45°	0.698	3.12	4.94	0.719	3.31	5.19	225°	0.904	5.23	7.18	0.870	4.85	6.85
50°	0.634	2.57	4.10	0.675	2.92	4.65	230°	0.943	5.70	7.56	0.898	5.16	7.13
55°	0.559	2.00	3.01	0.626	2.51	3.99	235°	0.971	6.03	7.80	0.920	5.41	7.33
60°	0.478	1.46	1.65	0.577	2.13	3.28	240°	0.986	6.22	7.94	0.935	5.60	7.48
65°	0.441	1.24	0.94	0.526	1.77	2.48	245°	0.988	6.23	7.96	0.943	5.71	7.57
70°	0.427	1.16	0.66	0.479	1.47	1.66	250°	0.982	6.17	7.90	0.948	5.76	7.60
75°	0.423	1.15	0.59	0.435	1.21	0.83	255°	0.970	6.02	7.79	0.947	5.74	7.59
80°	0.415	1.10	0.41	0.396	1.00	0.01	260°	0.952	5.80	7.63	0.943	5.70	7.56
85°	0.400	1.03	0.11	0.363	0.85	-0.70	265°	0.936	5.61	7.49	0.937	5.62	7.50
90°	0.381	0.93	-0.32	0.337	0.72	-1.40	270°	0.926	5.49	7.40	0.930	5.53	7.43
95°	0.356	0.81	-0.92	0.319	0.65	-1.87	275°	0.923	5.45	7.36	0.923	5.46	7.37
100°	0.325	0.68	-1.69	0.308	0.61	-2.18	280°	0.926	5.49	7.40	0.919	5.41	7.33
105°	0.296	0.56	-2.52	0.304	0.59	-2.29	285°	0.936	5.61	7.49	0.917	5.39	7.31
110°	0.272	0.47	-3.25	0.301	0.58	-2.36	290°	0.953	5.81	7.64	0.918	5.40	7.32
115°	0.253	0.41	-3.87	0.297	0.57	-2.48	295°	0.973	6.06	7.83	0.922	5.44	7.35
120°	0.240	0.37	-4.33	0.292	0.53	-2.64	300°	0.989	6.26	7.96	0.927	5.50	7.41
125°	0.233	0.35	-4.61	0.286	0.52	-2.82	305°	0.997	6.37	8.04	0.933	5.60	7.48
130°	0.231	0.34	-4.68	0.281	0.50	-2.97	310°	1.000	6.40	8.06	0.946	5.73	7.58
135°	0.235	0.35	-4.52	0.278	0.49	-3.07	315°	1.000	6.40	8.06	0.959	5.88	7.69
140°	0.244	0.38	-4.18	0.276	0.49	-3.13	320°	0.997	6.36	8.04	0.971	6.04	7.81
145°	0.259	0.43	-3.67	0.276	0.49	-3.12	325°	0.990	6.27	7.97	0.982	6.17	7.90
150°	0.279	0.50	-3.03	0.282	0.51	-2.94	330°	0.977	6.12	7.86	0.990	6.27	7.97
155°	0.304	0.59	-2.27	0.293	0.53	-2.60	335°	0.965	5.96	7.76	0.996	6.35	8.02
160°	0.332	0.71	-1.52	0.310	0.62	-2.11	340°	0.958	5.87	7.69	0.999	6.39	8.05
165°	0.358	0.82	-0.87	0.341	0.74	-1.29	345°	0.955	5.84	7.66	1.000	6.40	8.06
170°	0.385	0.95	-0.23	0.375	0.90	-0.47	350°	0.960	5.89	7.70	0.997	6.36	8.03
175°	0.410	1.08	0.32	0.416	1.11	0.44	355°	0.971	6.04	7.81	0.990	6.27	7.97

Polarization:

Maximum Field:

Minimum Field:

RMS:

Maximum ERP:

Maximum Power Gain:

Horizontal

1.000 @ 309° True

0.230 @ 129° True

0.746

6.400 kW

1.203 (0.802 dB)

Vertical

1.000 @ 344° True

0.275 @ 143° True

0.744

6.400 kW

1.203 (0.802 dB)

Total Input Power: 5.321 kW