

ERI[®] Horizontal Plane Relative Field List

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Station: WCCV
Location: Cartersville, GA
Frequency: 91.7 MHz

Antenna: 1091-2CP-DA
Orientation: 338° True
Tower: 15" Lambda

Figure: 1
Date: 12/12/2000
Reference: wccv1m.fig

Angle	Envelope			Polarization	Angle	Envelope			Polarization
	Field	kW	dBk			Field	kW	dBk	
0°	0.777	4.41	6.45	Horizontal	180°	0.233	0.40	-4.03	Horizontal
5°	0.726	3.85	5.85	Horizontal	185°	0.220	0.35	-4.51	Horizontal
10°	0.680	3.37	5.28	Horizontal	190°	0.209	0.32	-4.97	Horizontal
15°	0.633	2.93	4.66	Horizontal	195°	0.199	0.29	-5.37	Horizontal
20°	0.582	2.47	3.93	Horizontal	200°	0.192	0.27	-5.72	Horizontal
25°	0.529	2.04	3.10	Horizontal	205°	0.186	0.25	-6.00	Horizontal
30°	0.478	1.67	2.22	Horizontal	210°	0.181	0.24	-6.21	Horizontal
35°	0.435	1.38	1.40	Horizontal	215°	0.178	0.23	-6.34	Horizontal
40°	0.396	1.14	0.58	Horizontal	220°	0.177	0.23	-6.39	Horizontal
45°	0.360	0.94	-0.25	Horizontal	225°	0.181	0.24	-6.23	Horizontal
50°	0.328	0.79	-1.04	Vertical	230°	0.189	0.26	-5.83	Horizontal
55°	0.332	0.81	-0.93	Vertical	235°	0.215	0.34	-4.73	Vertical
60°	0.339	0.84	-0.76	Vertical	240°	0.245	0.44	-3.57	Vertical
65°	0.347	0.88	-0.57	Vertical	245°	0.271	0.54	-2.70	Vertical
70°	0.352	0.90	-0.44	Vertical	250°	0.297	0.65	-1.90	Vertical
75°	0.354	0.92	-0.38	Vertical	255°	0.329	0.79	-1.03	Vertical
80°	0.353	0.91	-0.40	Vertical	260°	0.371	1.00	0.02	Horizontal
85°	0.347	0.88	-0.56	Vertical	265°	0.416	1.26	1.02	Horizontal
90°	0.336	0.82	-0.84	Vertical	270°	0.463	1.56	1.94	Horizontal
95°	0.320	0.75	-1.28	Vertical	275°	0.506	1.87	2.72	Horizontal
100°	0.298	0.65	-1.88	Vertical	280°	0.553	2.23	3.49	Horizontal
105°	0.275	0.55	-2.59	Vertical	285°	0.600	2.63	4.20	Horizontal
110°	0.256	0.48	-3.20	Vertical	290°	0.650	3.09	4.89	Horizontal
115°	0.243	0.43	-3.66	Vertical	295°	0.698	3.55	5.51	Horizontal
120°	0.245	0.44	-3.58	Horizontal	300°	0.745	4.06	6.08	Horizontal
125°	0.256	0.48	-3.21	Horizontal	305°	0.787	4.53	6.56	Horizontal
130°	0.264	0.51	-2.93	Horizontal	310°	0.829	5.02	7.00	Horizontal
135°	0.270	0.53	-2.73	Horizontal	315°	0.872	5.56	7.45	Vertical
140°	0.274	0.55	-2.61	Horizontal	320°	0.922	6.21	7.93	Vertical
145°	0.275	0.55	-2.57	Horizontal	325°	0.960	6.73	8.28	Vertical
150°	0.274	0.55	-2.60	Horizontal	330°	0.991	7.16	8.55	Vertical
155°	0.281	0.58	-2.40	Vertical	335°	0.999	7.29	8.63	Horizontal
160°	0.284	0.59	-2.29	Vertical	340°	0.985	7.08	8.50	Horizontal
165°	0.283	0.58	-2.33	Vertical	345°	0.941	6.46	8.10	Horizontal
170°	0.274	0.55	-2.62	Vertical	350°	0.883	5.69	7.55	Vertical
175°	0.257	0.48	-3.17	Vertical	355°	0.830	5.03	7.02	Vertical

Polarization:
Maximum Field:
Minimum Field:
RMS:
Maximum ERP:
Maximum Horizontal Power Gain:
Maximum Vertical Power Gain:
Total Input Power: 1.899 kW

Envelope
1.000 @ 336° True
0.177 @ 220° True
0.507
7.300 kW
3.843 (5.8468 dB)
3.838 (5.841 dB)