

ERI[®] *Horizontal Plane Relative Field List*

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Station: WMJY
Location: Biloxi, MS
Frequency: 93.7 MHz

Antenna: SHP-10AC6-DA-HW
Orientation: 280° True
Tower: 36" Lambda

Figure: 2
Date: 3/20/01
Reference: wmjy1m.fig

Angle	Horizontal			Vertical			Angle	Horizontal			Vertical		
	Field	kW	dBk	Field	kW	dBk		Field	kW	dBk	Field	kW	dBk
0°	0.820	67.29	18.28	0.969	93.89	19.73	180°	0.816	66.54	18.23	0.853	72.72	18.62
5°	0.859	73.74	18.68	0.955	91.22	19.60	185°	0.860	73.90	18.69	0.874	76.33	18.83
10°	0.882	77.86	18.91	0.937	87.86	19.44	190°	0.892	79.57	19.01	0.892	79.54	19.01
15°	0.891	79.43	19.00	0.916	83.86	19.24	195°	0.913	83.33	19.21	0.907	82.31	19.15
20°	0.883	77.88	18.91	0.887	78.75	18.96	200°	0.922	85.03	19.30	0.920	84.63	19.28
25°	0.859	73.83	18.68	0.850	72.29	18.59	205°	0.918	84.29	19.26	0.930	86.46	19.37
30°	0.821	67.47	18.29	0.808	65.33	18.15	210°	0.902	81.45	19.11	0.937	87.79	19.43
35°	0.769	59.14	17.72	0.758	57.42	17.59	215°	0.876	76.68	18.85	0.941	88.62	19.48
40°	0.702	49.29	16.93	0.703	49.46	16.94	220°	0.847	71.71	18.56	0.943	88.93	19.49
45°	0.635	40.34	16.06	0.641	41.12	16.14	225°	0.829	68.71	18.37	0.942	88.71	19.48
50°	0.583	33.96	15.31	0.578	33.37	15.23	230°	0.822	67.61	18.30	0.939	88.12	19.45
55°	0.545	29.69	14.73	0.509	25.95	14.14	235°	0.830	68.97	18.39	0.934	87.16	19.40
60°	0.522	27.21	14.35	0.446	19.91	12.99	240°	0.852	72.67	18.61	0.927	85.85	19.34
65°	0.513	26.30	14.20	0.386	14.93	11.74	245°	0.888	78.88	18.97	0.918	84.19	19.25
70°	0.518	26.87	14.29	0.338	11.43	10.58	250°	0.934	87.26	19.41	0.907	82.18	19.15
75°	0.533	28.40	14.53	0.301	9.07	9.58	255°	0.970	94.05	19.73	0.896	80.20	19.04
80°	0.557	30.99	14.91	0.273	7.46	8.73	260°	0.992	98.36	19.93	0.887	78.59	18.95
85°	0.590	34.76	15.41	0.250	6.27	7.97	265°	1.000	100.00	20.00	0.879	77.34	18.88
90°	0.631	39.84	16.00	0.233	5.44	7.35	270°	1.000	100.00	20.00	0.874	76.45	18.83
95°	0.670	44.83	16.52	0.221	4.90	6.90	275°	1.000	99.90	20.00	0.871	75.90	18.80
100°	0.699	48.83	16.89	0.215	4.62	6.64	280°	0.990	97.97	19.91	0.870	75.69	18.79
105°	0.719	51.67	17.13	0.214	4.59	6.62	285°	0.968	93.70	19.72	0.872	75.98	18.81
110°	0.730	53.26	17.26	0.219	4.81	6.82	290°	0.934	87.24	19.41	0.876	76.73	18.85
115°	0.731	53.49	17.28	0.230	5.27	7.22	295°	0.888	78.84	18.97	0.883	77.96	18.92
120°	0.726	52.74	17.22	0.245	6.01	7.79	300°	0.830	68.83	18.38	0.893	79.69	19.01
125°	0.716	51.24	17.10	0.266	7.06	8.49	305°	0.762	58.12	17.64	0.905	81.92	19.13
130°	0.700	49.04	16.91	0.299	8.92	9.50	310°	0.704	49.58	16.95	0.920	84.68	19.28
135°	0.680	46.30	16.66	0.350	12.28	10.89	315°	0.658	43.30	16.36	0.937	87.86	19.44
140°	0.664	44.07	16.44	0.420	17.63	12.46	320°	0.624	38.94	15.90	0.952	90.71	19.58
145°	0.652	42.57	16.29	0.489	23.94	13.79	325°	0.602	36.26	15.59	0.965	93.09	19.69
150°	0.646	41.76	16.21	0.563	31.66	15.00	330°	0.592	35.10	15.45	0.975	94.97	19.78
155°	0.646	41.78	16.21	0.627	39.27	15.94	335°	0.598	35.75	15.53	0.982	96.34	19.84
160°	0.658	43.29	16.36	0.690	47.54	16.77	340°	0.619	38.27	15.83	0.986	97.19	19.88
165°	0.681	46.39	16.66	0.745	55.47	17.44	345°	0.654	42.78	16.31	0.987	97.51	19.89
170°	0.716	51.23	17.10	0.796	63.39	18.02	350°	0.704	49.61	16.96	0.985	97.06	19.87
175°	0.762	58.07	17.64	0.829	68.74	18.37	355°	0.767	58.84	17.70	0.979	95.84	19.82

Polarization:	Horizontal	Vertical
Maximum Field:	1.000 @ 265° True	0.987 @ 345° True
Minimum Field:	0.513 @ 65° True	0.214 @ 103° True
RMS:	0.774	0.774
Maximum ERP:	100.000 kW	97.513 kW
Maximum Power Gain:	4.822 (6.833 dB)	4.702 (6.723 dB)

Total Input Power: 20.738 kW