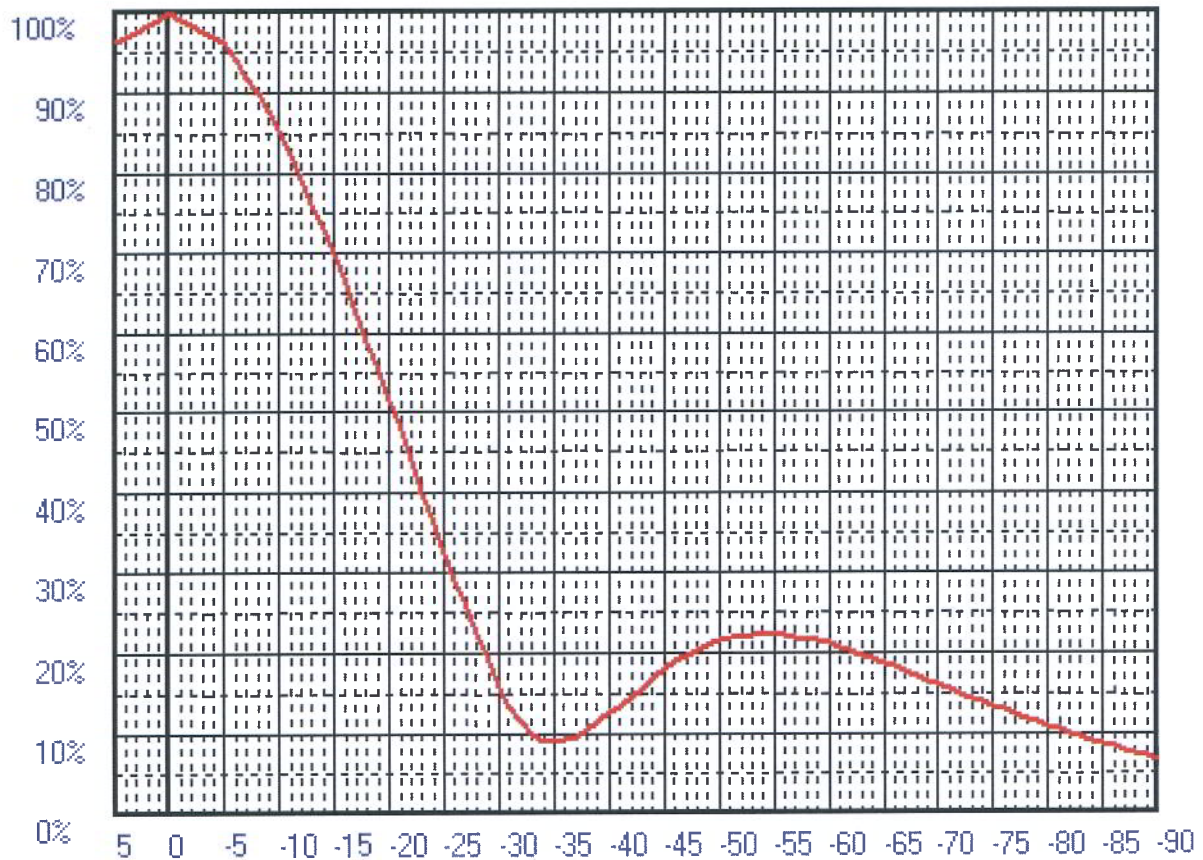


Azim	Rel.FS	ERP [W]	dBk	Azim	Rel.FS	ERP [W]	dBk	Azim	Rel.FS	ERP [W]	dBk	Azim	Rel.FS	ERP [W]	dBk
0.0	1.000	420.000	-3.768	90.0	0.070	2.058	-26.866	180.0	0.056	1.317	-28.804	270.0	0.070	2.058	-26.866
5.0	0.982	405.016	-3.925	95.0	0.068	1.942	-27.117	185.0	0.050	1.050	-29.788	275.0	0.090	3.402	-24.683
10.0	0.965	391.114	-4.077	100.0	0.066	1.830	-27.377	190.0	0.044	0.813	-30.898	280.0	0.111	5.175	-22.861
15.0	0.918	353.944	-4.511	105.0	0.069	2.000	-26.991	195.0	0.036	0.544	-32.641	285.0	0.149	9.324	-20.304
20.0	0.872	319.361	-4.957	110.0	0.072	2.177	-26.621	200.0	0.028	0.329	-34.824	290.0	0.187	14.687	-18.331
25.0	0.804	271.495	-5.662	115.0	0.073	2.238	-26.501	205.0	0.033	0.457	-33.397	295.0	0.241	24.394	-16.127
30.0	0.737	228.131	-6.418	120.0	0.075	2.362	-26.266	210.0	0.039	0.639	-31.946	300.0	0.295	36.550	-14.371
35.0	0.660	182.952	-7.377	125.0	0.076	2.426	-26.151	215.0	0.052	1.136	-29.447	305.0	0.363	55.343	-12.569
40.0	0.583	142.753	-8.454	130.0	0.077	2.490	-26.038	220.0	0.065	1.774	-27.509	310.0	0.431	78.020	-11.078
45.0	0.507	107.961	-9.667	135.0	0.071	2.117	-26.742	225.0	0.071	2.117	-26.742	315.0	0.507	107.961	-9.667
50.0	0.431	78.020	-11.078	140.0	0.066	1.830	-27.377	230.0	0.077	2.490	-26.038	320.0	0.583	142.753	-8.454
55.0	0.363	55.343	-12.569	145.0	0.039	0.639	-31.946	235.0	0.076	2.426	-26.151	325.0	0.660	182.952	-7.377
60.0	0.295	36.550	-14.371	150.0	0.013	0.071	-41.489	240.0	0.075	2.362	-26.266	330.0	0.738	228.750	-6.406
65.0	0.241	24.394	-16.127	155.0	0.020	0.168	-37.747	245.0	0.073	2.238	-26.501	335.0	0.805	272.170	-5.652
70.0	0.187	14.687	-18.331	160.0	0.028	0.329	-34.824	250.0	0.072	2.177	-26.621	340.0	0.872	319.361	-4.957
75.0	0.149	9.324	-20.304	165.0	0.036	0.544	-32.641	255.0	0.069	2.000	-26.991	345.0	0.918	353.944	-4.511
80.0	0.111	5.175	-22.861	170.0	0.044	0.813	-30.898	260.0	0.066	1.830	-27.377	350.0	0.965	391.114	-4.077
85.0	0.090	3.402	-24.683	175.0	0.050	1.050	-29.788	265.0	0.068	1.942	-27.117	355.0	0.982	405.016	-3.925

A.S.: Venture- Single AT15-250 Panel Ch 20

Frequency: 509 MHz
Azimuth: 0 °
Gain: 10.85 dBd

E/E_{max}



RYMSA

VRP LIST

Antenna System : Venture- Single AT15-250 Panel Ch 20

Unitary element: 15250tw.F1

Frequency: 509 MHz

Azimuth: 0 °

Max. Field Dir.:

0.°

Maximum Gain: 10.85 dBd

Elevation(°)	Gain (dBi)	Norm.Gain(dBi)	Pwr. Gain	Gain (dBd)
-90.	-10.44	-23.44	0.09	-12.59
-89.	-9.932	-22.932	0.102	-12.082
-88.	-9.452	-22.452	0.113	-11.602
-87.	-8.996	-21.996	0.126	-11.146
-86.	-8.563	-21.563	0.139	-10.713
-85.	-8.15	-21.15	0.153	-10.30
-84.	-7.714	-20.714	0.169	-9.864
-83.	-7.297	-20.297	0.186	-9.447
-82.	-6.896	-19.896	0.204	-9.046
-81.	-6.511	-19.511	0.223	-8.661
-80.	-6.14	-19.14	0.243	-8.29
-79.	-5.769	-18.769	0.265	-7.919
-78.	-5.408	-18.408	0.288	-7.558
-77.	-5.056	-18.056	0.312	-7.206
-76.	-4.713	-17.713	0.338	-6.863
-75.	-4.38	-17.38	0.365	-6.53
-74.	-4.052	-17.052	0.393	-6.202
-73.	-3.732	-16.732	0.423	-5.882
-72.	-3.42	-16.42	0.455	-5.57
-71.	-3.116	-16.116	0.488	-5.266
-70.	-2.82	-15.82	0.522	-4.97
-69.	-2.538	-15.538	0.557	-4.688
-68.	-2.263	-15.263	0.594	-4.413
-67.	-1.993	-14.993	0.632	-4.143
-66.	-1.728	-14.728	0.672	-3.878
-65.	-1.47	-14.47	0.713	-3.62
-64.	-1.262	-14.262	0.748	-3.412
-63.	-1.057	-14.057	0.784	-3.207
-62.	-0.855	-13.855	0.821	-3.005
-61.	-0.656	-13.656	0.86	-2.806
-60.	-0.46	-13.46	0.899	-2.61
-59.	-0.368	-13.368	0.919	-2.518
-58.	-0.276	-13.276	0.938	-2.426
-57.	-0.184	-13.184	0.959	-2.334
-56.	-0.092	-13.092	0.979	-2.242
-55.	0.00	-13.00	1.00	-2.15
-54.	-0.057	-13.057	0.987	-2.207
-53.	-0.115	-13.115	0.974	-2.265
-52.	-0.173	-13.173	0.961	-2.323
-51.	-0.231	-13.231	0.948	-2.381
-50.	-0.29	-13.29	0.935	-2.44
-49.	-0.563	-13.563	0.878	-2.713

VRP LIST (Cont. page 2)

Antenna System : Venture- Single AT15-250 Panel Ch 20

Elevation(°)	Gain (dBi)	Norm.Gain(dBi)	Pwr. Gain	Gain (dBd)
-48.	-0.845	-13.845	0.823	-2.995
-47.	-1.136	-14.136	0.77	-3.286
-46.	-1.438	-14.438	0.718	-3.588
-45.	-1.75	-14.75	0.668	-3.90
-44.	-2.382	-15.382	0.578	-4.532
-43.	-3.027	-16.027	0.498	-5.177
-42.	-3.676	-16.676	0.429	-5.826
-41.	-4.311	-17.311	0.371	-6.461
-40.	-4.91	-17.91	0.323	-7.06
-39.	-5.733	-18.733	0.267	-7.883
-38.	-6.506	-19.506	0.224	-8.656
-37.	-7.163	-20.163	0.192	-9.313
-36.	-7.62	-20.62	0.173	-9.77
-35.	-7.80	-20.80	0.166	-9.95
-34.	-7.871	-20.871	0.163	-10.021
-33.	-7.085	-20.085	0.196	-9.235
-32.	-5.797	-18.797	0.263	-7.947
-31.	-4.368	-17.368	0.366	-6.518
-30.	-2.98	-15.98	0.504	-5.13
-29.	-1.372	-14.372	0.729	-3.522
-28.	0.016	-12.984	1.004	-2.134
-27.	1.231	-11.769	1.328	-0.919
-26.	2.307	-10.693	1.701	0.157
-25.	3.27	-9.73	2.123	1.12
-24.	4.227	-8.773	2.646	2.077
-23.	5.089	-7.911	3.228	2.939
-22.	5.874	-7.126	3.867	3.724
-21.	6.594	-6.406	4.565	4.444
-20.	7.26	-5.74	5.321	5.11
-19.	7.861	-5.139	6.111	5.711
-18.	8.423	-4.577	6.955	6.273
-17.	8.951	-4.049	7.855	6.801
-16.	9.449	-3.551	8.809	7.299
-15.	9.92	-3.08	9.817	7.77
-14.	10.299	-2.701	10.714	8.149
-13.	10.663	-2.337	11.649	8.513
-12.	11.012	-1.988	12.623	8.862
-11.	11.347	-1.653	13.637	9.197
-10.	11.67	-1.33	14.689	9.52
-9.	11.879	-1.121	15.415	9.729
-8.	12.084	-0.916	16.158	9.934
-7.	12.284	-0.716	16.919	10.134
-6.	12.479	-0.521	17.697	10.329
-5.	12.67	-0.33	18.493	10.52
-4.	12.737	-0.263	18.78	10.587
-3.	12.803	-0.197	19.07	10.653
-2.	12.869	-0.131	19.362	10.719
-1.	12.935	-0.065	19.656	10.785
0.	13.00	0.00	19.953	10.85
1.	12.935	-0.065	19.656	10.785
2.	12.869	-0.131	19.362	10.719
3.	12.803	-0.197	19.07	10.653

VRP LIST (Cont. page 3)

Antenna System : Venture- Single AT15-250 Panel Ch 20

Elevation(°)	Gain (dBi)	Norm.Gain(dBi)	Pwr. Gain	Gain (dBd)
4.	12.737	-0.263	18.78	10.587
5.	12.67	-0.33	18.493	10.52