



## CONVERSION CHARTS

<b>EFFECT OF VSWR ON TRANSMITTED POWER</b>					
<b>VSWR</b>	<b>RETURN LOSS (dB)</b>	<b>TRNS LOSS (dB)</b>	<b>VOLT. REFL. COEFF.</b>	<b>POWER REFL. (%)</b>	<b>POWER TRANS. (%)</b>
1.00	00	.000	.00	.0	100.0
1.01	46.1	.000	.00	.0	100.0
1.02	40.1	.000	.01	.0	100.0
1.03	36.6	.001	.01	.0	100.0
1.04	34.2	.002	.02	.0	100.0
1.05	32.3	.003	.02	.1	99.9
1.06	30.7	.004	.03	.1	99.9
1.07	29.4	.005	.03	.1	99.9
1.08	28.3	.006	.04	.1	99.9
1.09	29.3	.008	.04	.2	99.9
1.10	26.4	.010	.05	.2	99.8
1.11	25.7	.012	.05	.3	99.7
1.12	24.9	.014	0.6	.3	99.7
1.13	24.3	.016	.06	.4	99.6
1.14	23.7	.019	.07	.4	99.6
1.15	23.1	.021	.07	.5	99.5
1.16	22.6	.024	.07	.5	99.5
1.17	22.1	.027	.08	.6	99.4
1.18	21.7	.030	.08	.7	99.3
1.19	21.2	.033	.09	.8	99.2
1.20	20.8	.036	.09	.8	99.2
1.25	19.1	.054	.11	1.2	98.8
1.30	17.7	.075	.13	1.7	98.3
1.40	15.6	.122	.17	2.8	97.2
1.50	14.0	.177	.20	4.0	96.0
1.60	12.7	.238	.23	5.3	94.7
1.70	11.7	.302	.26	6.7	93.3
1.80	10.9	.370	.29	8.2	91.8
1.90	10.2	.440	.31	9.6	90.4
2.00	9.5	.512	.33	11.1	88.9
3.00	6.0	1.24	.50	25.0	75.0
4.00	4.4	1.93	.60	36.0	64.0
5.00	3.5	2.55	.67	44.4	55.6
10.0	1.7	4.80	.82	66.9	33.1
20.0	.9	7.41	.90	81.9	18.1

<b>POWER-CONVERSION CHART</b>					
<b>dBm</b>	<b>(mW)</b>	<b>dBm</b>	<b>(mW)</b>	<b>dBm</b>	<b>(mW)</b>
-30.0	= .001	-13.0	= .050	+4	= 2.51
-30.0	= .001	-12.0	= .063	+5	= 3.16
-27.0	= .002	-11.0	= .079	+6	= 3.9
-25.2	= .003	-10.0	= .100	+7	= 5.0
-24.0	= .004	-9.0	= .130	+8	= 6.3
-23.0	= .005	-8.0	= .160	+9	= 7.9
-22.2	= .006	-7	= .200	+10	= 10.0
-21.5	= .007	-6	= .250	+11	= 12.0
-21.0	= .008	-5	= .316	+12	= 15.0
-20.5	= .009	-4	= .398	+13	= 19.0
-20.0	= .010	-3	= .501	+14	= 25.0
-19.0	= .012	-2	= .630	+15	= 31.0
-18.0	= .016	-1	= .794	+16	= 39.0
-17.0	= .020	0	= 1.00	+17	= 50.0
-16.0	= .025	+1	= 1.25	+18	= 63.0
-15.0	= .032	+2	= 1.58	+19	= 79.0
-14.0	= .040	+3	= 2.00		
<b>DBm</b>	<b>(W)</b>	<b>DBm</b>	<b>(W)</b>	<b>DBm</b>	<b>(W)</b>
+20	= .100	+34	= 2.55	+48	= 63.1
+21	= .120	+35	= 3.16	+49	= 79.4
+22	= .159	+36	= 3.91	+50	= 100.0
+23	= .200	+37	= 5.01	+51	= 126.0
+24	= .251	+38	= 6.31	+52	= 158.0
+25	= .316	+39	= 7.94	+53	= 200.0
+26	= .398	+40	= 10.0	+54	= 251.0
+27	= .501	+41	= 12.6	+55	= 316.0
+28	= .631	+42	= 15.8	+56	= 398.0
+29	= .794	+43	= 20.0	+57	= 501.0
+30	= 1.00	+44	= 25.1	+58	= 631.0
+31	= 1.26	+45	= 31.6	+59	= 794.0
+32	= 1.59	+46	= 39.8	+60	= 1KW
+33	= 2.00	+47	= 50.1		