

THE EFFECT OF VSWR ON TRANSMITTED POWER

| VSWR | Return Loss (dB) | Reflected Power (%) | Trans. Power (%) | Voltage Refl. Coeff. | Trans. Loss (dB) | VSWR | Return Loss (dB) | Reflected Power (%) | Trans. Power (%) | Voltage Refl. Coeff. | Trans. Loss (dB) |
|------|------------------|---------------------|------------------|----------------------|------------------|------|------------------|---------------------|------------------|----------------------|------------------|
| 1.00 | Infinite | 0.000 | 100.000 | 0.000 | 0.0000 | 1.38 | 15.9 | 2.550 | 97.450 | 0.160 | 0.1120 |
| 1.01 | 46.1 | 0.003 | 99.997 | 0.005 | 0.0002 | 1.39 | 15.7 | 2.670 | 97.330 | 0.162 | 0.1180 |
| 1.02 | 40.1 | 0.009 | 99.991 | 0.010 | 0.0005 | 1.40 | 15.6 | 2.780 | 97.220 | 0.166 | 0.1220 |
| 1.03 | 36.6 | 0.022 | 99.978 | 0.015 | 0.0011 | 1.41 | 15.4 | 2.900 | 97.100 | 0.169 | 0.1260 |
| 1.04 | 34.1 | 0.038 | 99.962 | 0.020 | 0.0018 | 1.42 | 15.2 | 3.030 | 96.970 | 0.171 | 0.1320 |
| 1.05 | 32.3 | 0.060 | 99.940 | 0.024 | 0.0028 | 1.43 | 15.0 | 3.140 | 96.860 | 0.175 | 0.1370 |
| 1.06 | 30.7 | 0.082 | 99.918 | 0.029 | 0.0039 | 1.44 | 14.9 | 3.280 | 96.720 | 0.180 | 0.1420 |
| 1.07 | 29.4 | 0.116 | 99.884 | 0.034 | 0.0051 | 1.45 | 14.7 | 3.380 | 96.620 | 0.183 | 0.1470 |
| 1.08 | 28.3 | 0.144 | 99.856 | 0.038 | 0.0066 | 1.46 | 14.6 | 3.500 | 96.500 | 0.186 | 0.1520 |
| 1.09 | 27.3 | 0.184 | 99.816 | 0.043 | 0.0083 | 1.47 | 14.5 | 3.620 | 96.380 | 0.190 | 0.1570 |
| 1.10 | 26.4 | 0.228 | 99.772 | 0.047 | 0.0100 | 1.48 | 14.3 | 3.740 | 96.260 | 0.193 | 0.1640 |
| 1.11 | 25.6 | 0.276 | 99.724 | 0.052 | 0.0118 | 1.49 | 14.2 | 3.870 | 96.130 | 0.195 | 0.1720 |
| 1.12 | 24.9 | 0.324 | 99.676 | 0.056 | 0.0139 | 1.50 | 14.0 | 4.000 | 96.000 | 0.199 | 0.1800 |
| 1.13 | 24.3 | 0.375 | 99.625 | 0.061 | 0.0160 | 1.55 | 13.3 | 4.700 | 95.300 | 0.213 | 0.2100 |
| 1.14 | 23.7 | 0.426 | 99.574 | 0.065 | 0.0185 | 1.60 | 12.6 | 5.400 | 94.600 | 0.230 | 0.2400 |
| 1.15 | 23.1 | 0.488 | 99.512 | 0.069 | 0.0205 | 1.65 | 12.2 | 6.000 | 94.000 | 0.245 | 0.2700 |
| 1.16 | 22.6 | 0.550 | 99.450 | 0.074 | 0.0235 | 1.70 | 11.7 | 6.800 | 93.200 | 0.258 | 0.3100 |
| 1.17 | 22.1 | 0.615 | 99.385 | 0.078 | 0.0260 | 1.75 | 11.3 | 7.400 | 92.600 | 0.261 | 0.3400 |
| 1.18 | 21.6 | 0.682 | 99.318 | 0.082 | 0.0285 | 1.80 | 10.9 | 8.200 | 91.800 | 0.285 | 0.3700 |
| 1.19 | 21.2 | 0.750 | 99.250 | 0.086 | 0.0318 | 1.85 | 10.5 | 8.900 | 91.100 | 0.298 | 0.4000 |
| 1.20 | 20.8 | 0.816 | 99.184 | 0.091 | 0.0353 | 1.90 | 10.2 | 9.600 | 90.400 | 0.310 | 0.4400 |
| 1.21 | 20.4 | 0.900 | 99.100 | 0.095 | 0.0391 | 1.95 | 9.8 | 10.200 | 89.800 | 0.320 | 0.4700 |
| 1.22 | 20.1 | 0.980 | 99.020 | 0.099 | 0.0426 | 2.00 | 9.5 | 11.000 | 89.000 | 0.332 | 0.5000 |
| 1.23 | 19.7 | 1.080 | 98.920 | 0.103 | 0.0455 | 2.10 | 9.0 | 12.400 | 87.600 | 0.352 | 0.5700 |
| 1.24 | 19.4 | 1.150 | 98.850 | 0.106 | 0.0490 | 2.20 | 8.6 | 13.800 | 86.200 | 0.372 | 0.6500 |
| 1.25 | 19.1 | 1.230 | 98.770 | 0.111 | 0.0530 | 2.30 | 8.1 | 15.300 | 84.700 | 0.392 | 0.7300 |
| 1.26 | 18.8 | 1.340 | 98.660 | 0.115 | 0.0560 | 2.40 | 7.7 | 16.900 | 83.100 | 0.410 | 0.8000 |
| 1.27 | 18.5 | 1.430 | 98.570 | 0.119 | 0.0600 | 2.50 | 7.3 | 18.200 | 81.800 | 0.429 | 0.8800 |
| 1.28 | 18.2 | 1.520 | 98.480 | 0.123 | 0.0640 | 2.60 | 7.0 | 19.500 | 80.500 | 0.445 | 0.9500 |
| 1.29 | 17.9 | 1.620 | 98.380 | 0.126 | 0.0680 | 2.70 | 6.8 | 21.000 | 79.000 | 0.459 | 1.0300 |
| 1.30 | 17.7 | 1.710 | 98.290 | 0.130 | 0.0730 | 2.80 | 6.5 | 22.300 | 77.700 | 0.473 | 1.1000 |
| 1.31 | 17.4 | 1.810 | 98.190 | 0.134 | 0.0780 | 2.90 | 6.2 | 23.700 | 76.300 | 0.485 | 1.1700 |
| 1.32 | 17.2 | 1.910 | 98.090 | 0.137 | 0.0830 | 3.00 | 6.0 | 25.000 | 75.000 | 0.500 | 1.2500 |
| 1.33 | 17.0 | 2.020 | 97.980 | 0.141 | 0.0870 | 3.50 | 5.1 | 31.000 | 69.000 | 0.555 | 1.6100 |
| 1.34 | 16.8 | 2.130 | 97.870 | 0.145 | 0.0920 | 4.00 | 4.4 | 36.000 | 64.000 | 0.600 | 1.9300 |
| 1.35 | 16.5 | 2.230 | 97.770 | 0.149 | 0.0960 | 4.50 | 3.9 | 40.600 | 59.400 | 0.635 | 2.2700 |
| 1.36 | 16.3 | 2.330 | 97.670 | 0.152 | 0.1010 | 5.00 | 3.5 | 44.400 | 55.600 | 0.665 | 2.5600 |
| 1.37 | 16.1 | 2.440 | 97.560 | 0.155 | 0.1060 | 6.00 | 2.9 | 51.000 | 49.000 | 0.715 | 3.0800 |