# 附录Ⅰ：常用单位转换、计算公式参考

## Ⅱ-（1） 功率和电压对应表

### ○ 技术指标

| dBm | V | Po | dBm | V | Po | dBm | V | Po | dBm | V | Po |
|---|---|---|---|---|---|---|---|---|---|---|---|
| +53 | 100.0 | 200W | +25 | 4.00 | 320 mW | -1 | .200 | 0.80 mW | -24 | 14.1 | |
| +50 | 70.7 | 100W | +24 | 3.55 | 250 mW | -2 | .180 | 0.64 mW | -25 | 12.8 | |
| +49 | 64.0 | 80W | +23 | 3.20 | 200 mW | -3 | .160 | 0.50 mW | -26 | 11.5 | |
| +48 | 58.0 | 64W | +22 | 2.80 | 160 mW | -4 | .141 | 0.40 mW | -27 | 10.0 | |
| +47 | 50.0 | 50W | +21 | 2.52 | 125 mW | -5 | .125 | 0.32 mW | -28 | 8.9 | |
| +46 | 44.5 | 40W | +20 | 2.25 | 100 mW | -6 | .115 | 0.25 mW | -29 | 8.0 | |
| +45 | 40.0 | 32W | +19 | 2.00 | 80 mW | -7 | .100 | 0.20 mW | -30 | 7.1 | 0.001mW |
| +44 | 32.5 | 25W | +18 | 1.80 | 64 mW | -8 | .090 | 0.16 mW | -31 | 6.25 | |
| +43 | 32.0 | 20W | +17 | 1.60 | 50 mW | -9 | .080 | 0.125 mW | -32 | 5.8 | |
| +42 | 28.0 | 16W | +16 | 1.41 | 40 mW | -10 | .071 | 0.10 mW | -33 | 5.0 | |
| +41 | 26.2 | 12.5W | +15 | 1.25 | 32 mW | -11 | .064 | | -34 | 4.5 | |
| +40 | 22.5 | 10W | +14 | 1.15 | 25 mW | -12 | .058 | | -35 | 4.0 | |
| +39 | 20.0 | 8W | +13 | 1.00 | 20 mW | -13 | .050 | | -36 | 3.5 | |
| +38 | 18.0 | 6.4W | +12 | .90 | 16 mW | -14 | .045 | | -37 | 3.2 | |
| +37 | 16.0 | 5W | +11 | .80 | 12.5 mW | -15 | .040 | | -38 | 2.85 | |
| +36 | 14.1 | 4W | +10 | .71 | 10 mW | -16 | .0355 | | -39 | 2.5 | |
| +35 | 12.5 | 3.2W | +9 | .64 | 8 mW | | | | -40 | 2.25 | 0.1μW |
| +34 | 11.5 | 2.5W | +8 | .58 | 6.4 mW | | | | -41 | 2.0 | |
| +33 | 10.0 | 2W | +7 | .500 | 5 mW | dBm | mV | | -42 | 1.8 | |
| +32 | 9.0 | 1.6W | +6 | .445 | 4 mW | -17 | 31.5 | | -43 | 1.6 | |
| +31 | 8.0 | 1.25W | +5 | .400 | 3.2 mW | -18 | 28.5 | | -44 | 1.4 | |
| +30 | 7.10 | 1.0W | +4 | .355 | 2.5 mW | -19 | 25.1 | | -45 | 1.25 | |
| +29 | 6.40 | 800 mW | +3 | .320 | 2.0 mW | -20 | 22.5 | 0.01 mW | -46 | 1.18 | |
| +28 | 5.80 | 640 mW | +2 | .280 | 1.6 mW | -21 | 20.0 | | -47 | 1.00 | |
| +27 | 5.00 | 500 mW | +1 | .252 | 1.25 mW | -22 | 17.9 | | -48 | 0.90 | |
| +26 | 4.45 | 400 mW | 0 | .225 | 1.0 mW | -23 | 15.9 | | -49 | 0.80 | |

## Ⅱ-（2） 功率和电压对应表

### ○ 技术指标

| dBm | V | Po | dBm | V | Po | dBm | V | Po | dBm | V | Po |
|---|---|---|---|---|---|---|---|---|---|---|---|
| -50 | 0.71 | 0.01 μW | -74 | 45 | | -99 | 2.51 | | -123 | 160 | |
| -51 | 0.64 | | -75 | 40 | | -100 | 2.25 | 0.1 pW | -124 | 141 | |
| -52 | 0.57 | | -76 | 35 | | -101 | 2.0 | | -125 | 128 | |
| -53 | 0.50 | | -77 | 32 | | -102 | 1.8 | | -126 | 117 | |
| -54 | 0.45 | | -78 | 29 | | -103 | 1.6 | | -127 | 100 | |
| -55 | 0.40 | | -79 | 25 | | -104 | 1.41 | | -128 | 90 | |
| -56 | 0.351 | | -80 | 22.5 | 0.01 nW | -105 | 1.27 | | -129 | 80 | |
| -57 | 0.32 | | -81 | 20.0 | | -106 | 1.18 | | -130 | 71 | 0.1ƒW |
| -58 | 0.286 | | -82 | 18.0 | | dBm | nV | | -131 | 61 | |
| -59 | 0.251 | | -83 | 16.0 | | -107 | 1000 | | -132 | 58 | |
| -60 | 0.225 | 0.001μW | -84 | 11.1 | | -108 | 900 | | -133 | 50 | |
| -61 | 0.200 | | -85 | 12.9 | | -109 | 800 | | -134 | 45 | |
| -62 | 0.180 | | -86 | 11.5 | | -110 | 710 | 0.01 pW | -135 | 40 | |
| -63 | 0.160 | | -87 | 10.0 | | -111 | 640 | | -136 | 35 | |
| -64 | 0.141 | | -88 | 9.0 | | -112 | 580 | | -137 | 33 | |
| dBm | μV | | -89 | 8.0 | | -113 | 500 | | -138 | 29 | |
| -65 | 128 | | -90 | 7.1 | 0.001 nW | -114 | 450 | | -139 | 25 | |
| -66 | 115 | | -91 | 6.1 | | -115 | 400 | | -140 | 23 | 0.01ƒW |
| -67 | 100 | | -92 | 5.75 | | -116 | 355 | | | | |
| -68 | 90 | | -93 | 5.0 | | -117 | 825 | | | | |
| -69 | 80 | | -94 | 4.5 | | -118 | 285 | | | | |
| -70 | 71 | 0.1nW | -95 | 4.0 | | -119 | 251 | | | | |
| -71 | 65 | | -96 | 3.51 | | -120 | 225 | 0.001 pW | | | |
| -72 | 58 | | -97 | 3.2 | | -121 | 200 | | | | |
| -73 | 50 | | -98 | 2.9 | | -122 | 180 | | | | |