

Attenuation Calculator

Enter power or attenuation to determine values.

Enter Input Power 100.00 Watts
 Enter Output Power 71.00 Watts
 Calculates Input Power 50.00 dBm
 Calculates Output Power 48.51 dBm
 Calculates Attenuation 1.49 dB

Enter Input Power 100.00 Watts
 Enter Attenuation 1.49 dB
 Calculates Input Power 50.00 dBm
 Calculates Output Power 48.51 dBm
 Calculates Output Power 70.96 Watts

Enter Power 71.00 Watts
 Calculates Power 48.51 dBm

Enter Output Power 71.00 Watts
 Enter Attenuation 1.49 dB
 Calculates Output Power 48.51 dBm
 Calculates Input Power 50.00 dBm
 Calculates Input Power 100.06 Watts

Enter Power 50.00 dBm
 Calculates Power 100.00 Watts

$$\text{Output Power (dBm)} = \text{Input Power (dBm)} - \text{Attenuation (dB)}$$

$$\text{Power (dBm)} = 10 \times \text{Log [Power (Watts)]} + 30 \text{ dB}$$