**Free Space Path Loss**

**At 60000ft on 446.000Mhz**

*In decibels, where f is measured in MHz and d in km.*

**At 100000ft on 446.000Mhz**

Received Power

*The Friis Transmission Equation*

**At 100000ft**

1uV = -107dBm = 40fW  
0.5W = +27dBm