

Minstrel is a practical rate selection algorithm for 802.11. Minstrel is based on acknowledgment feedback, therefore Minstrel select rates can reflect an approximation of the best available throughput.

```
4.94602 Change from 263250000 to 585000000
4.95185 Change from 585000000 to 877500000
5.5 Position: (30, 0, 1) Dist: 30.0666 Goodput: 5.58367e+07 bits/s
6.27111 Change from 877500000 to 1170000000
6.5 Position: (35, 0, 1) Dist: 35.0571 Goodput: 8.43284e+07 bits/s
7.5 Position: (35, 5, 1) Dist: 35.4119 Goodput: 1.02523e+08 bits/s
8.5 Position: (35, 10, 1) Dist: 36.4555 Goodput: 1.01794e+08 bits/s
```

From the experimental results, the rates are not much different from goodput, and the change rule of goodput is basically the same as that of the rate changes.