

14.58 MHz + Doppler  
2200 Hz

Carrier NCO

GPS L1 - 1.57542 GHz  
418 m/s  $\lambda$  GPS L1  $\approx 0.19$  m

1.4 chip/s

Code NCO  
10.23 MHz

$\div 10$

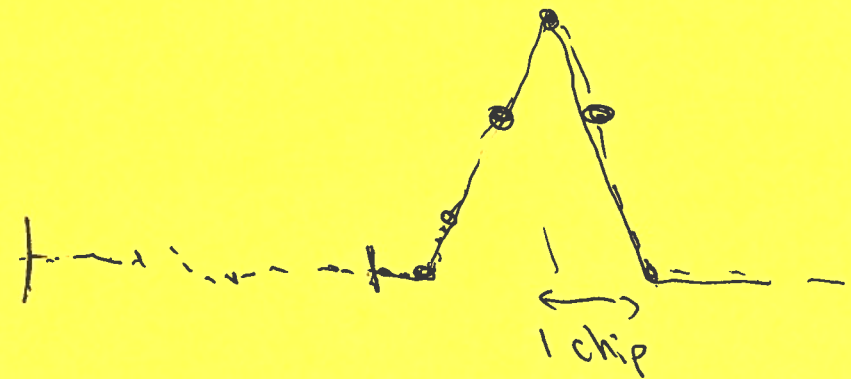
C/A search 1.023 MHz + 500 Hz

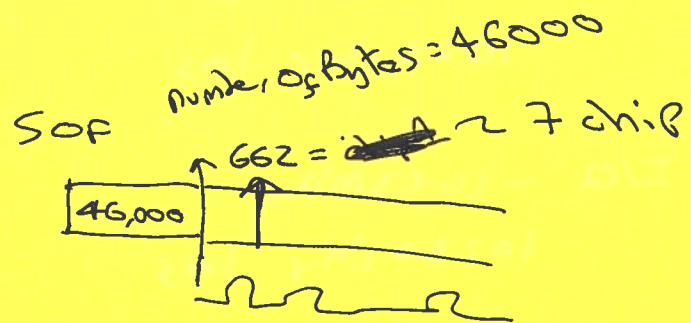
Master/Slave

10.23 MHz + 5000 Hz

Search Rate

0.5/ms = 500 chip/s





$$\text{Sample Rate} = 99.375 \text{ MHz}$$

$$\text{Samples per ms} = 99.375 \text{ kSamples}$$

$$\text{Samples per Chip} = \frac{\text{Samples per ms}}{1023} = 97.14$$

