

```
% IFEN SX3:

% Intermediate Frequency = 5000445.88565834

% Sampling Frequency = 20000000

% Binary Data Type = 'int8'

% File Name = gpsBase_IFEN_IF.bin

% MATLAB Code to Read in Binary Signal Data

%dataSize = number of signal samples you would like to read-in

fileName = 'gpsBase_IFEN_IF.bin';

dataType = 'int8';

SF = 20e6;      % 20000000 Hz (20 MHz)

T = 0.001;     % 1 ms of data

dataSize = floor(T*SF);

fileID = fopen(sprintf('%s',fileName));

fseek(fileID,0,'bof');

[signalData,samplesRead] = fread(fileID,dataSize,dataType);
```