

```
function response=pulse_response_gen(T,fs,CF)

% T - time befor complete attenuation [s]
% CF - center freq. [Hz]
% fs - sampling frequency [Hz]

N=T*fs;
dt=1/fs;
t=linspace(0,T-dt,N);

carrier=sin(2*pi*CF*t);

envelope=exp(linspace(0,-10,N));

response=carrier.*envelope;
```