

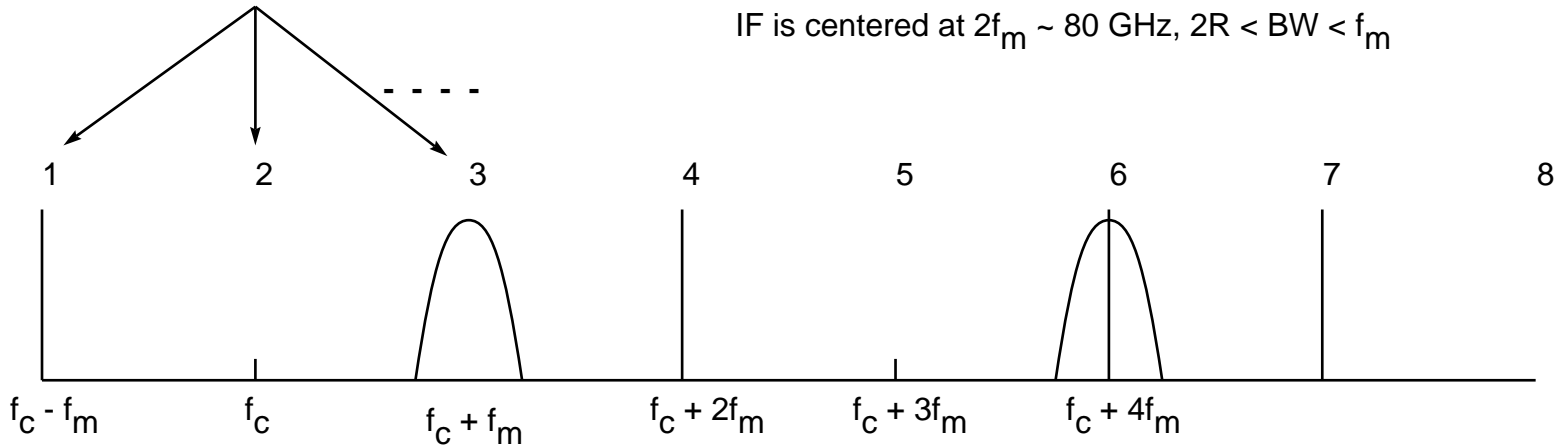
Reference line is spaced  $2f_m$  below signal line.

Intermediate frequency is  $2f_m$

$R < f_m/2$ .  $R \sim 10$  GHz.

IF is centered at  $2f_m \sim 80$  GHz,  $2R < BW < f_m$

(AWG line numbers)



Optical spectrum.  $f_c \sim 190$  THz,  $f_m \sim 40$  GHz,  $R \sim 10$  Gb/s.



Intermediate frequency (IF) spectrum after mixing

