$cI \cdot \cos(\omega_{IF})$

$I_0 + I \cdot \cos(\omega_{IF})$

I

$A \cdot \cos(\omega_{LO})$

LO

RF

Target:

$\omega_{LO} - \omega_{IF}$

ω_{LO}

$\omega_{LO} + \omega_{IF}$

FSP

Q

$-cQ \cdot \sin(\omega_{IF})$

$Q_0 + Q \cdot \sin(\omega_{IF})$