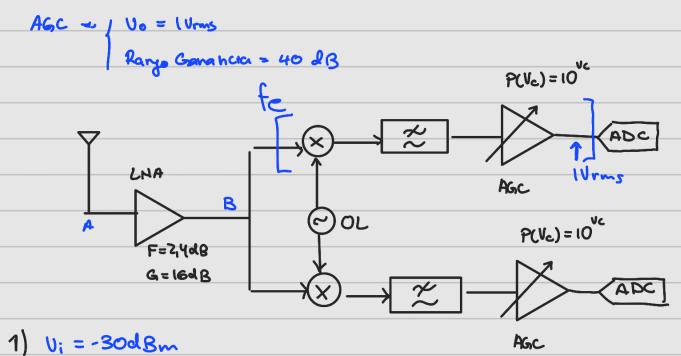
Bloque 2:



AGC

$$V_i = -70 \, dB_m$$

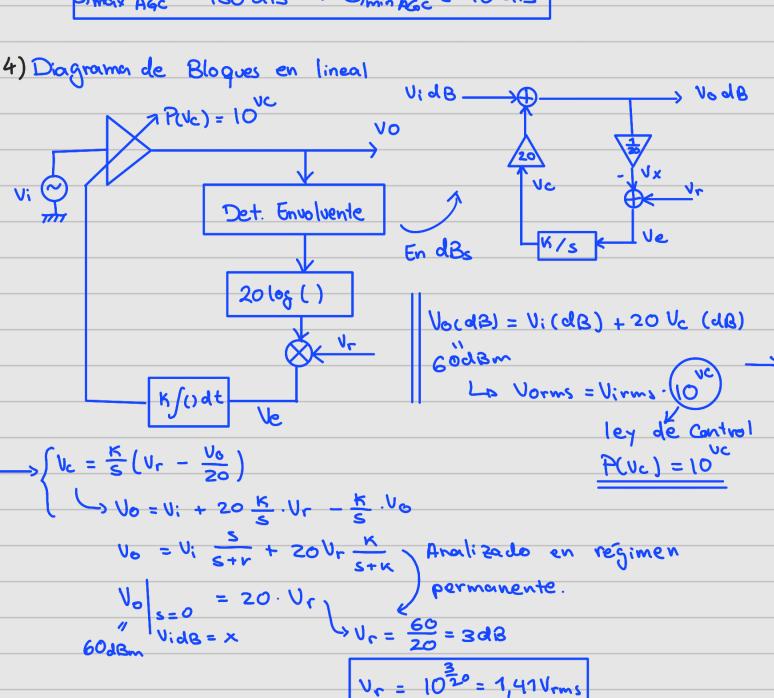
SHR entrada = $10 \log \left(\frac{(0.316 \, \text{AU})^2}{4 \, \text{kT} \cdot \text{SO} \cdot 20 \, \text{M}} \right) = \frac{-22.12 \, dB}{}$

2)
$$\begin{cases}
\xi = f_1 + \frac{f_2 - 1}{31} = 10 \implies f_2 = 10^{1/6} \left(10 - 10^{0/24} \right) + 1 = 329,92
\end{cases}$$

$$\begin{cases}
f_2 \le 25, 18 d8 \text{ parts prointener } f_4 = 10 d8
\end{cases}$$

$$V_0 = V_1 + G_{ACC} = 20 \cdot log \left(\frac{1 V_{IMS}}{1_{IM} V_{IMS}} \right) \implies 60 d8m - (-30 d8m) = G_{IMSIZ} Rec
\end{cases}$$

$$\begin{cases}
G_{IMSIZ} Rec = 130 d8 \implies G_{IMSIN} Rec = 90 d8
\end{cases}$$
4) Diagrama de Bloques en lineal
$$\begin{cases}
V_0 & \text{odd} \\
V_1 & \text{odd} \\
V_2 & \text{odd} \\
V_3 & \text{odd} \\
V_4 & \text{odd} \\
V_6 & \text{odd} \\
V_7 & \text{odd} \\
V_8 & \text{odd} \\$$



Segun la simulación, para una Vi de -30dem
L. El ruido - Vens = 38,628/LV

-s Analizando la figura de ruido:



NO se cumple la condicion