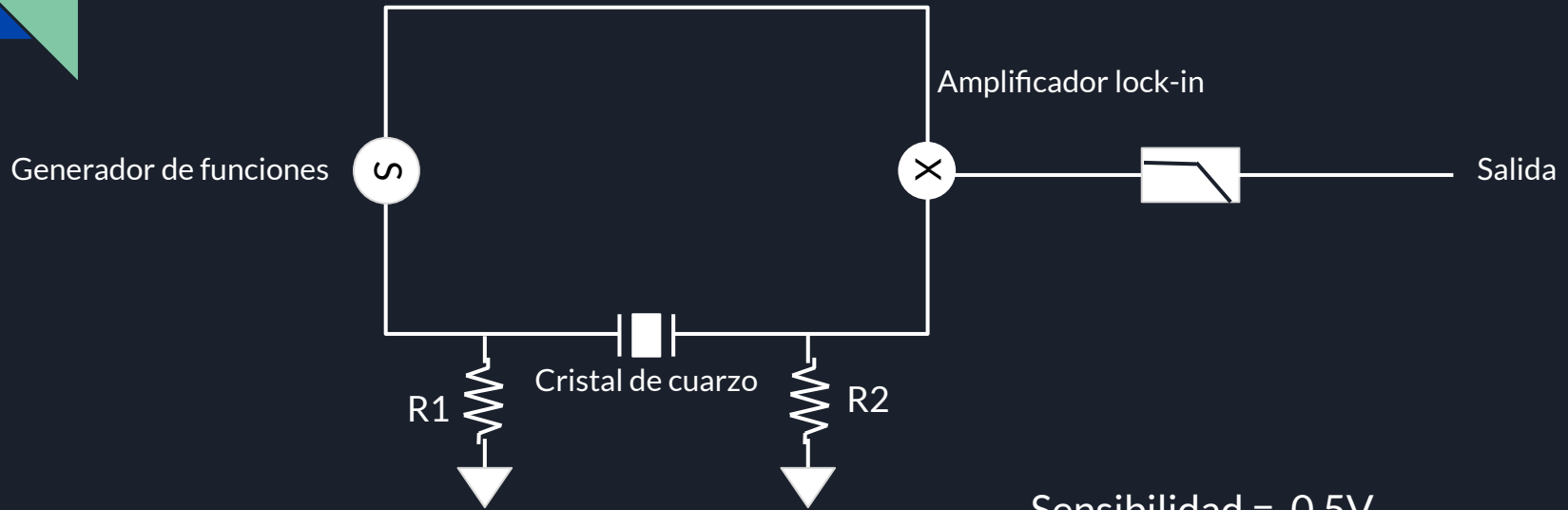




Transferencia sobre un cristal de cuarzo

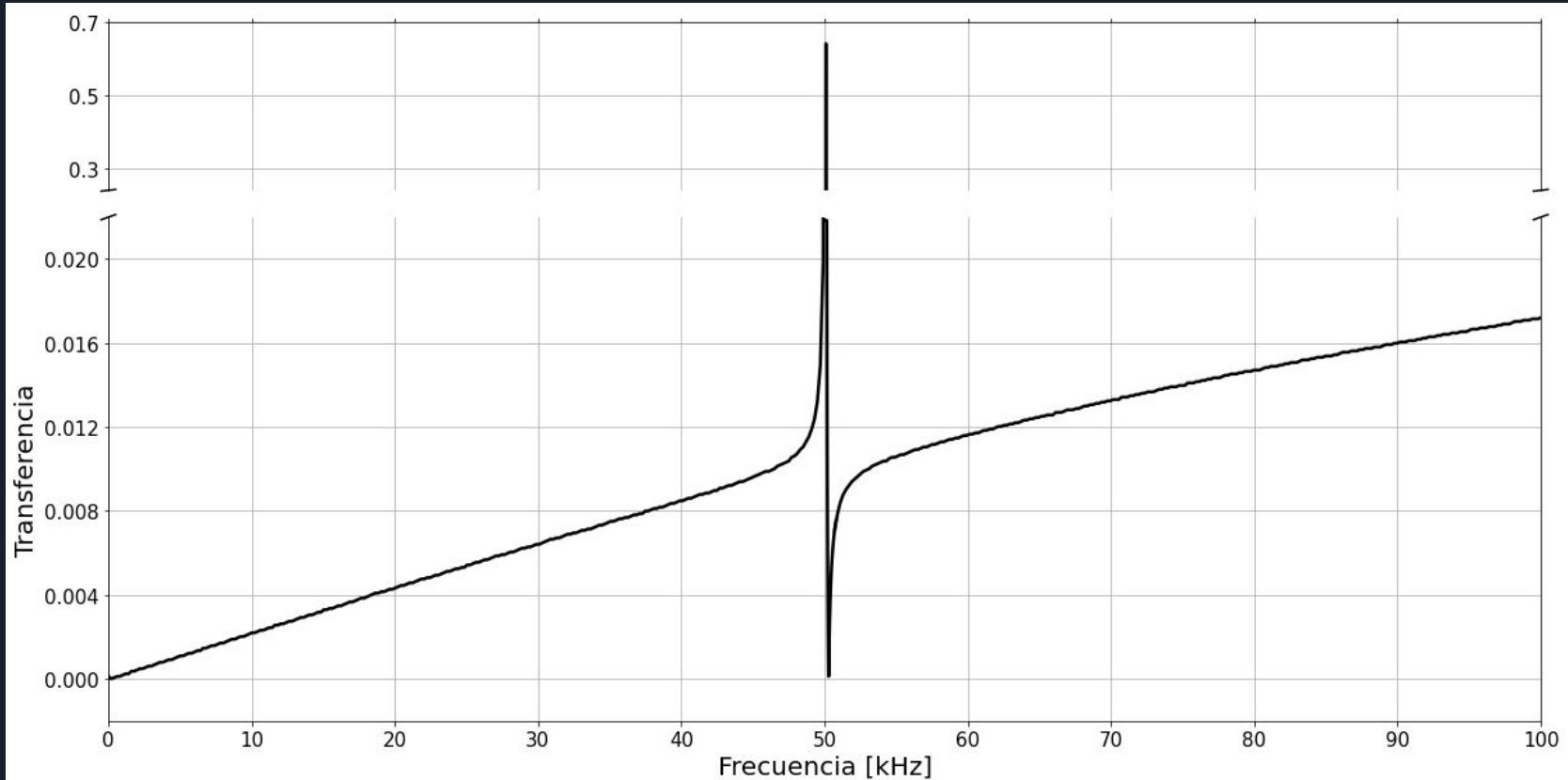
Tomás Di Napoli
Alejandro Mildiner

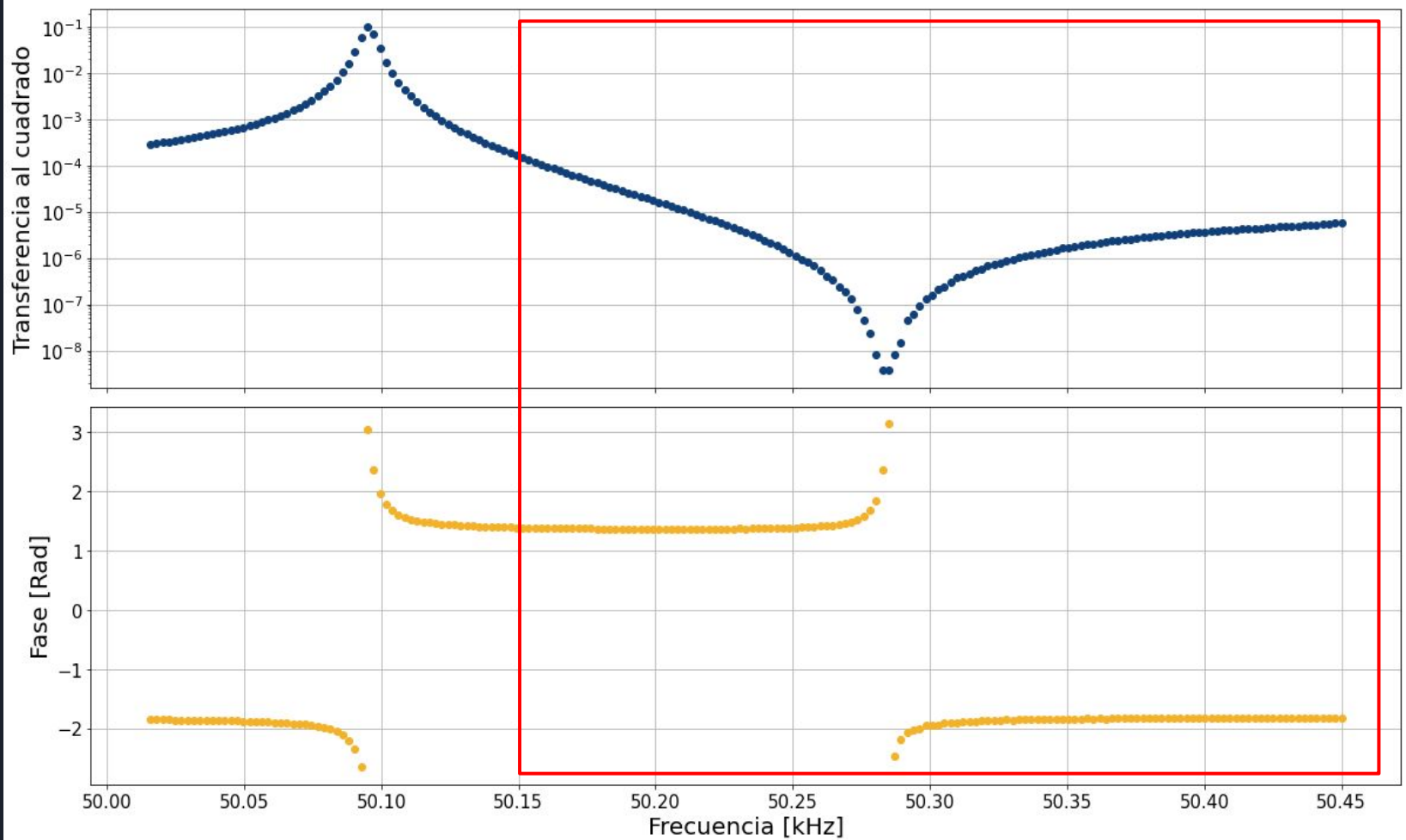
El problema



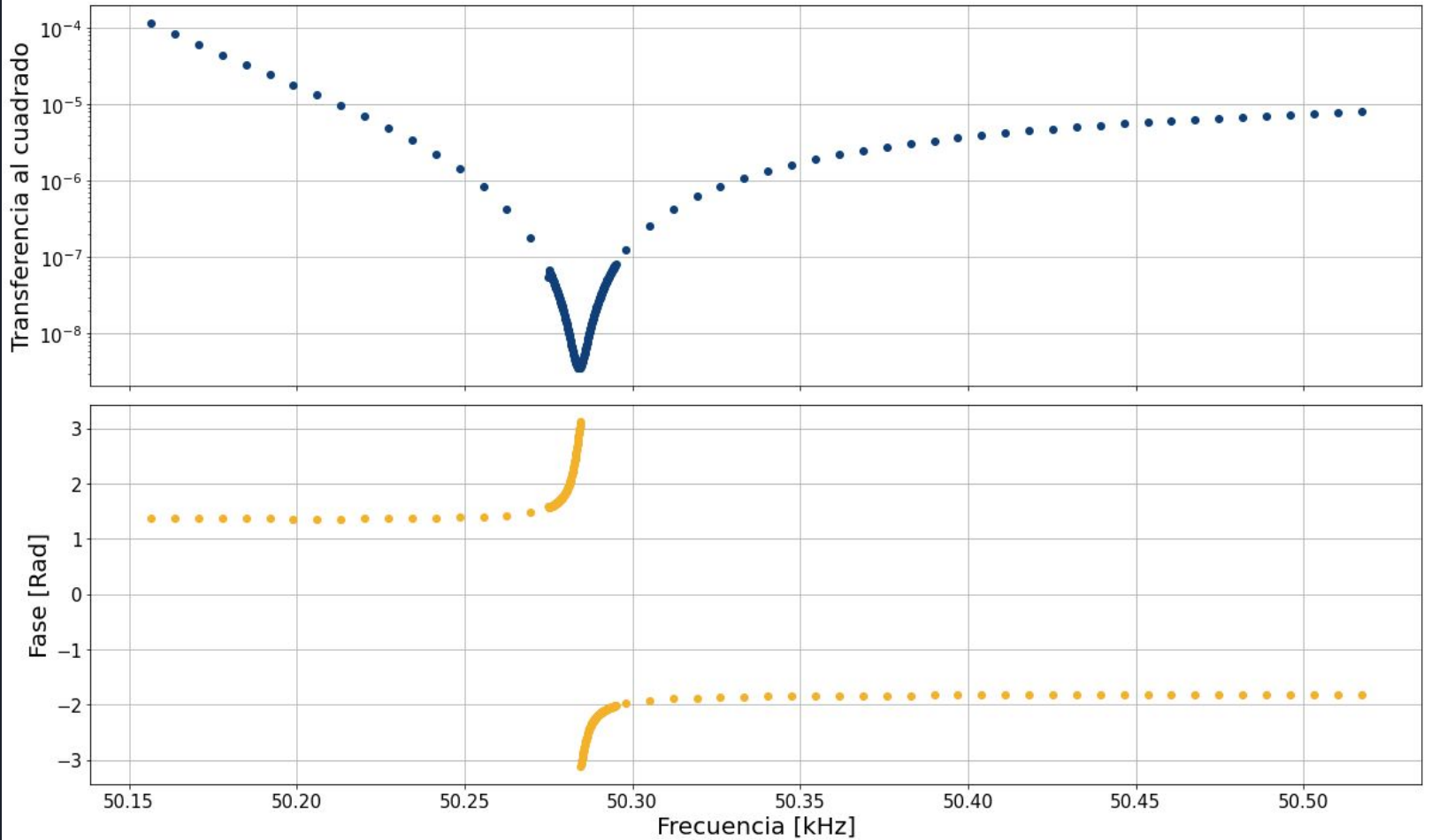
Sensibilidad = 0.5V
Filtro = 24db/oct
Frecuencia de corte = 10 Hz
Voltaje de entrada = 1V

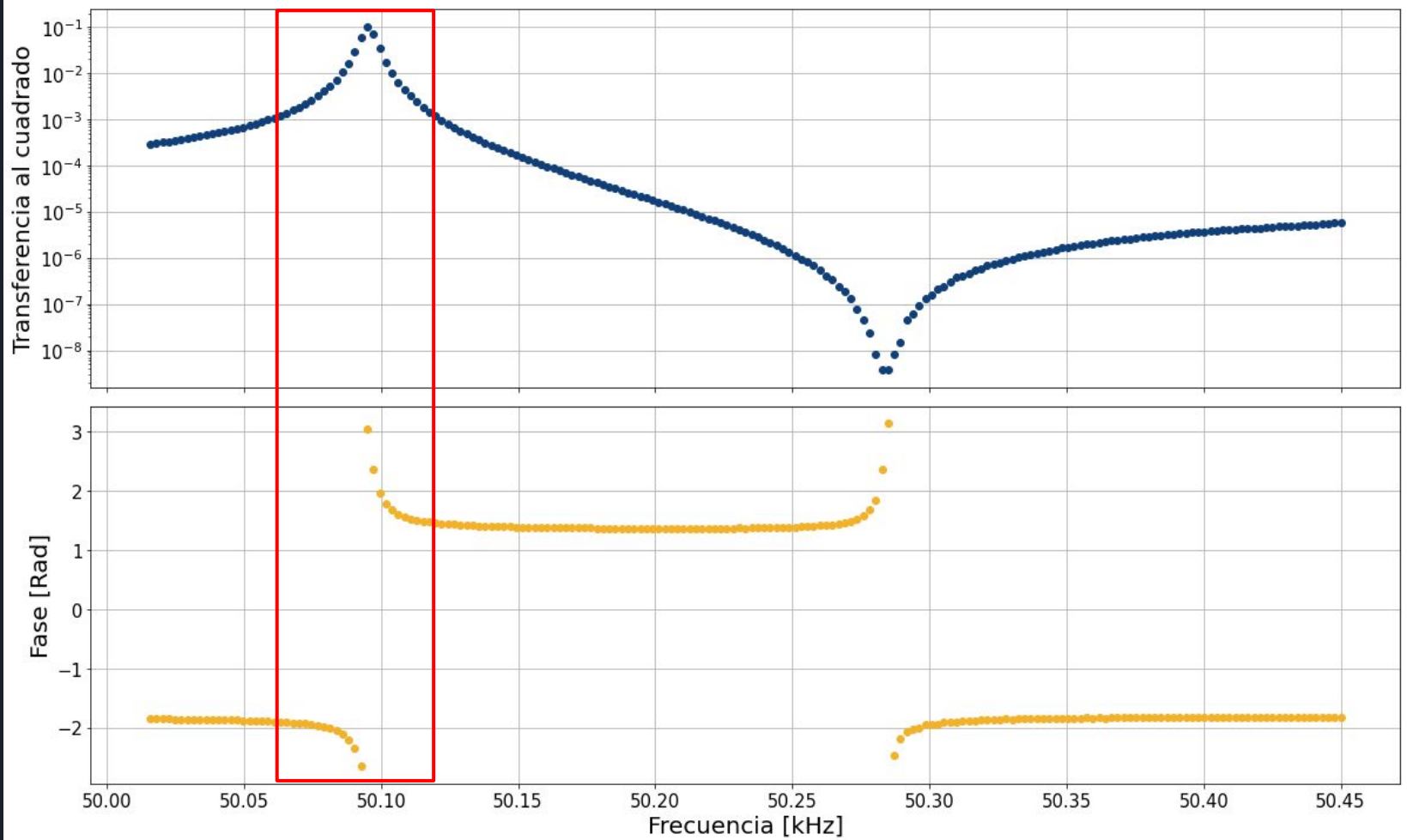
Barrido en frecuencias de la transferencia

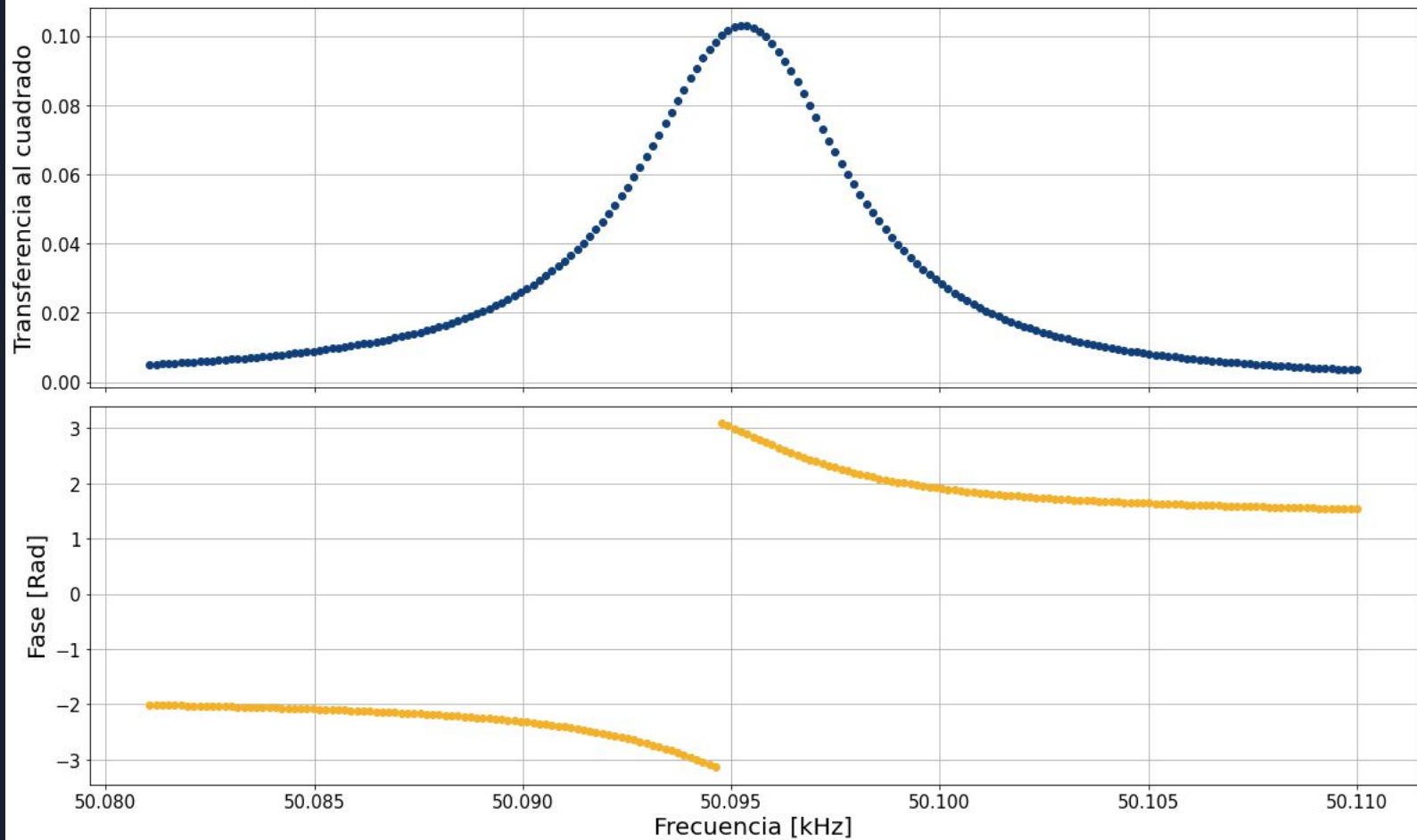


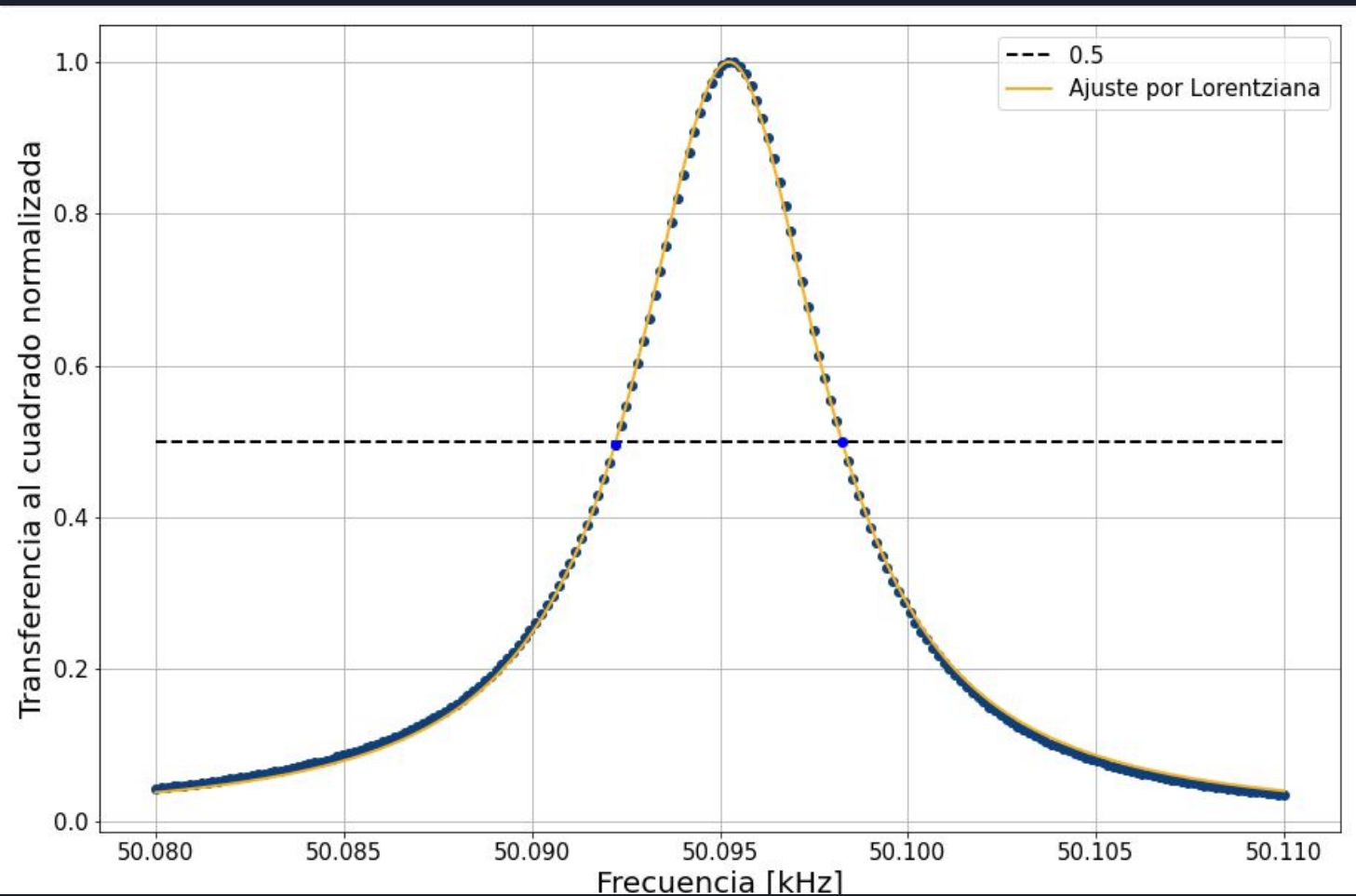


Sensibilidad = 10 mV









$$|H(\omega)|^2 = \left| \frac{i\omega \frac{\omega_0}{Q}}{\omega_0^2 - \omega^2 + i\omega \frac{\omega_0}{Q}} \right|^2$$

Factor de Calidad Q:

- A mano:
 $Q = 8310 \pm 290$
- Ajuste:
 $Q = 8332 \pm 14$