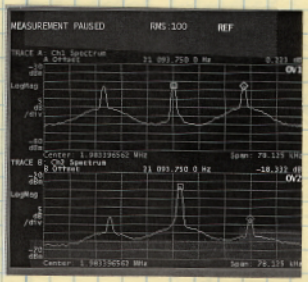
2250 - Angelica

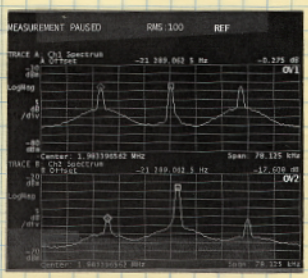
13.30 - field back, γ-scan done. (orbit saved

$\gamma = 10.245$ ← injection level

Measured tune: $Q_x^{meas} = 0.27$ $Q_y^{meas} = 0.32$

Moved vertical tune down a little: $Q_x^{meas} = 0.273$ $Q_y^{meas} = 0.316$





measure same tune H & V w/ Schottky

using upper sideband $\frac{21094}{77807} = .2711 = \nu_x = \nu_y$

using lower sideband $\frac{21289}{77807} = .2736 = \nu_x = \nu_y$

DSA only 401 pts! $77087/401 = 194 = 21288 - 21094$

⇒ tunes same upper & lower sidebands

Coherence in β lines is from injection

Tune meter shows horizontal line > vert when kicked

⇒ coherence in vert schottky is from horizontal tune.

This does not explain overlap of incoherent tunes shown on P.28