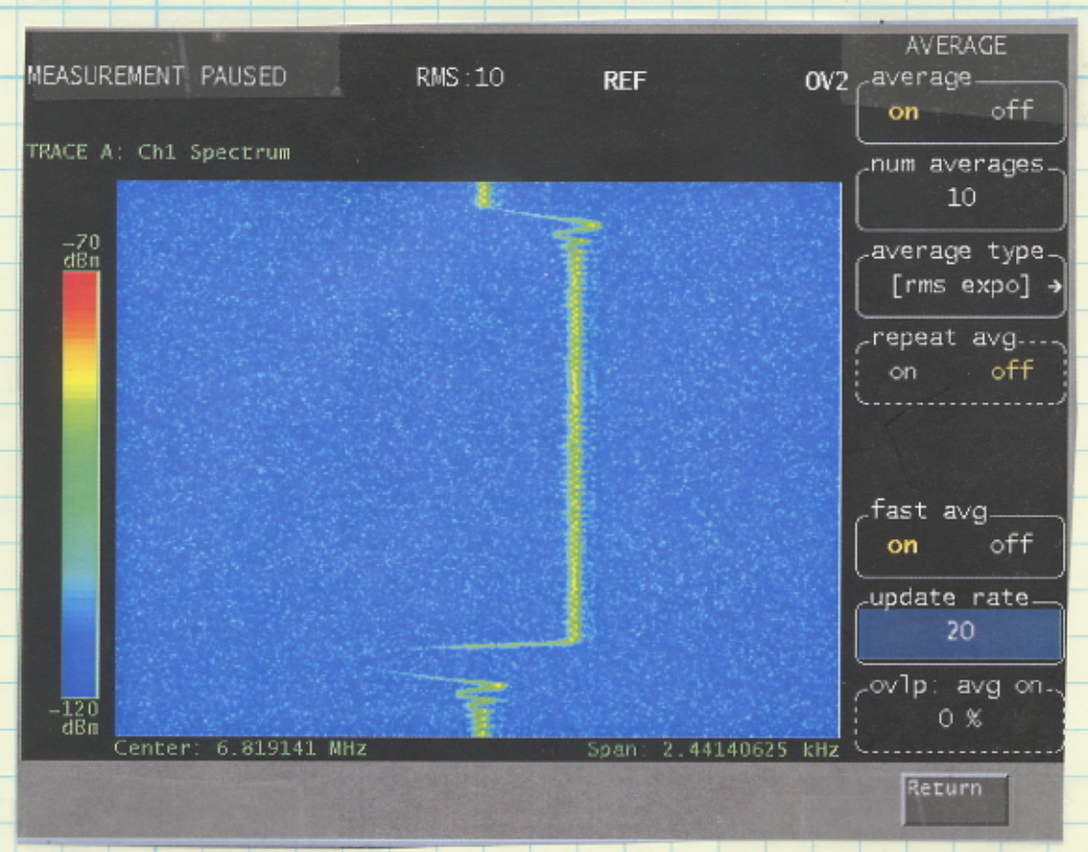
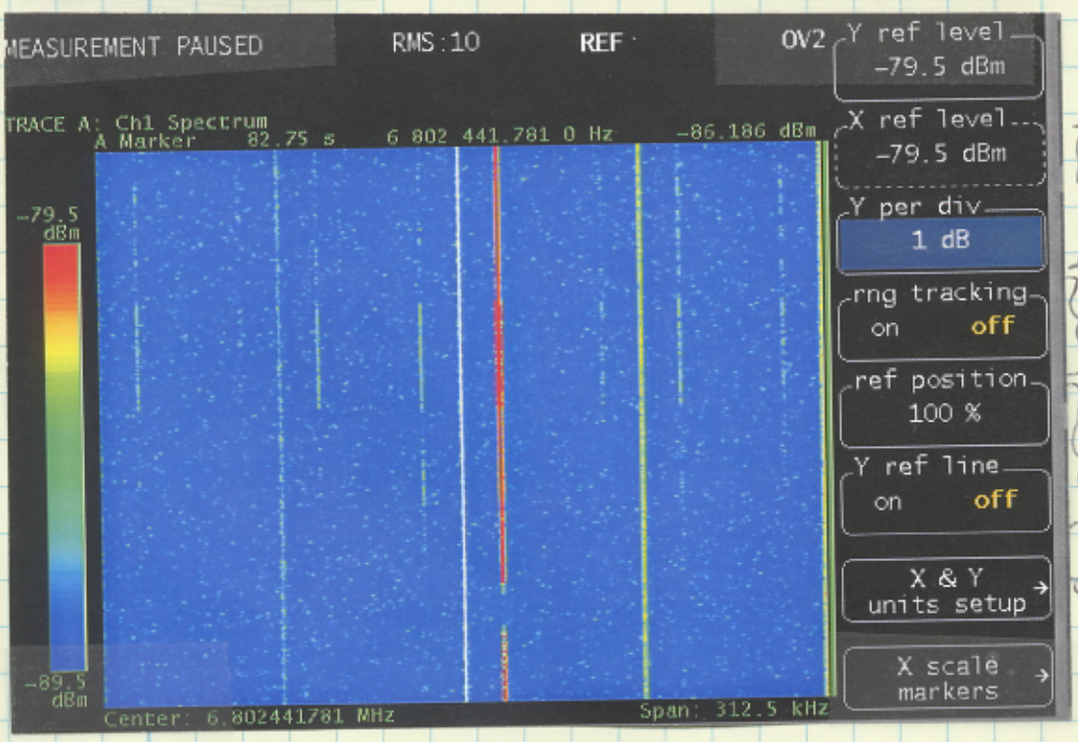


PLL Tune tracking was successful on the first attempt. Tune was shifted by .002 and tracked. Loop was not optimized. Excitation was 50 μW using tune kicker



Red line is strong sideband which was excited. Several rev. lines with their strong sidebands shown here

+3 dBm

+20 dBm

-13 dBm

RF off

-13 dBm

Exciting upper sideband yielded good results.
" lower " did not.

Emittance growth was negligible at 50 μW excitation
" " " not " " 2 mW "

Growth shown on next page resulted at least in part from time spent w/ 2 mW excitation.

NOTE: Yellow transverse emittance < Blue!