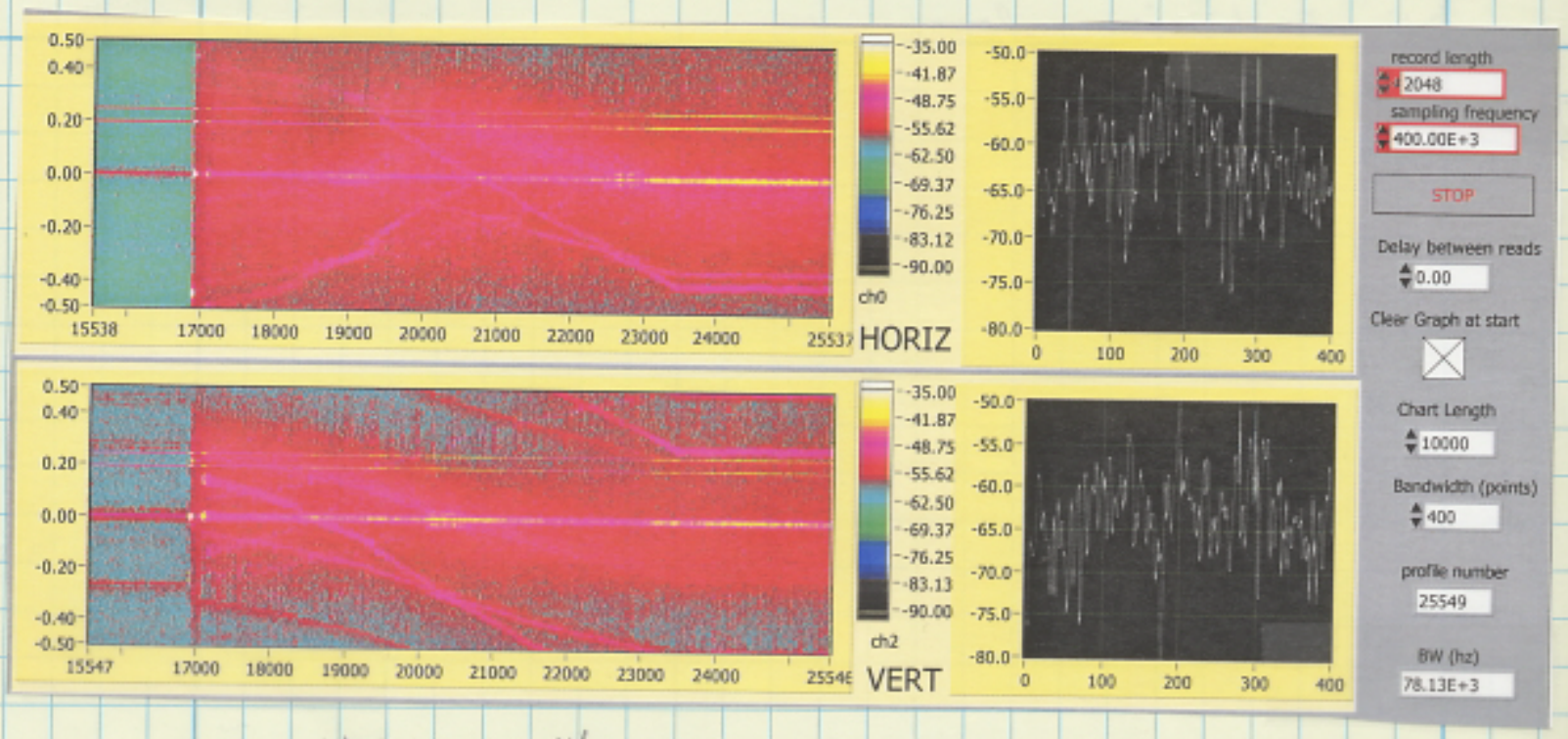
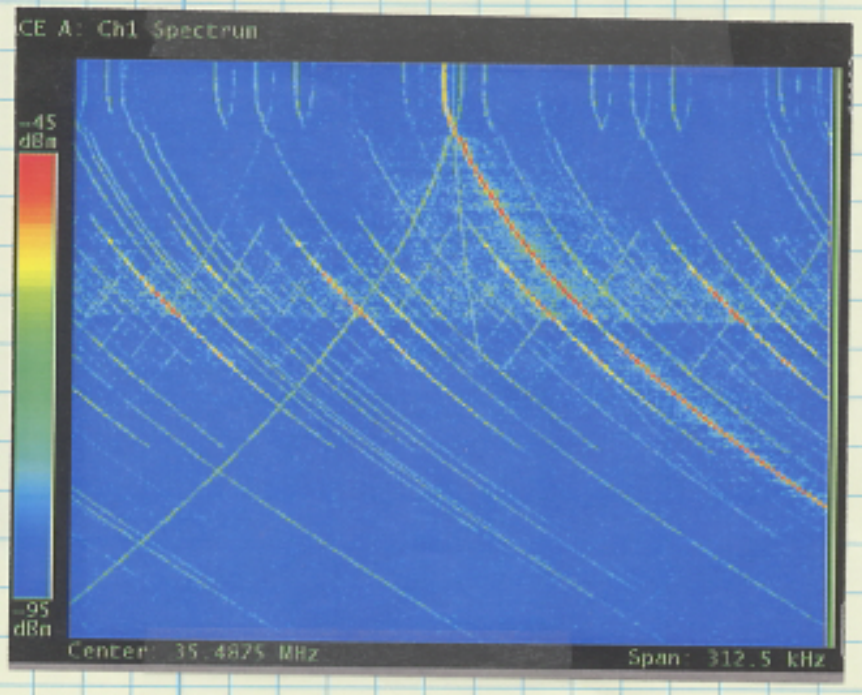


HF Schottky showing Yellow RF drift



Yellow H LF Schottky from ramp on P. 146. Span is 312 KHz; 4 revolution lines and their betatron sidebands shown.

Measurements confirm LF schottky S/N is much poorer than expected. Suspect matching / coupling to the resonant pickup is not correct.

Even with the poor match, sharpness of betatron lines (zooming shows linewidths → 1 Hz), suggests low power narrowband excitation may be productive for tune feedback ?.