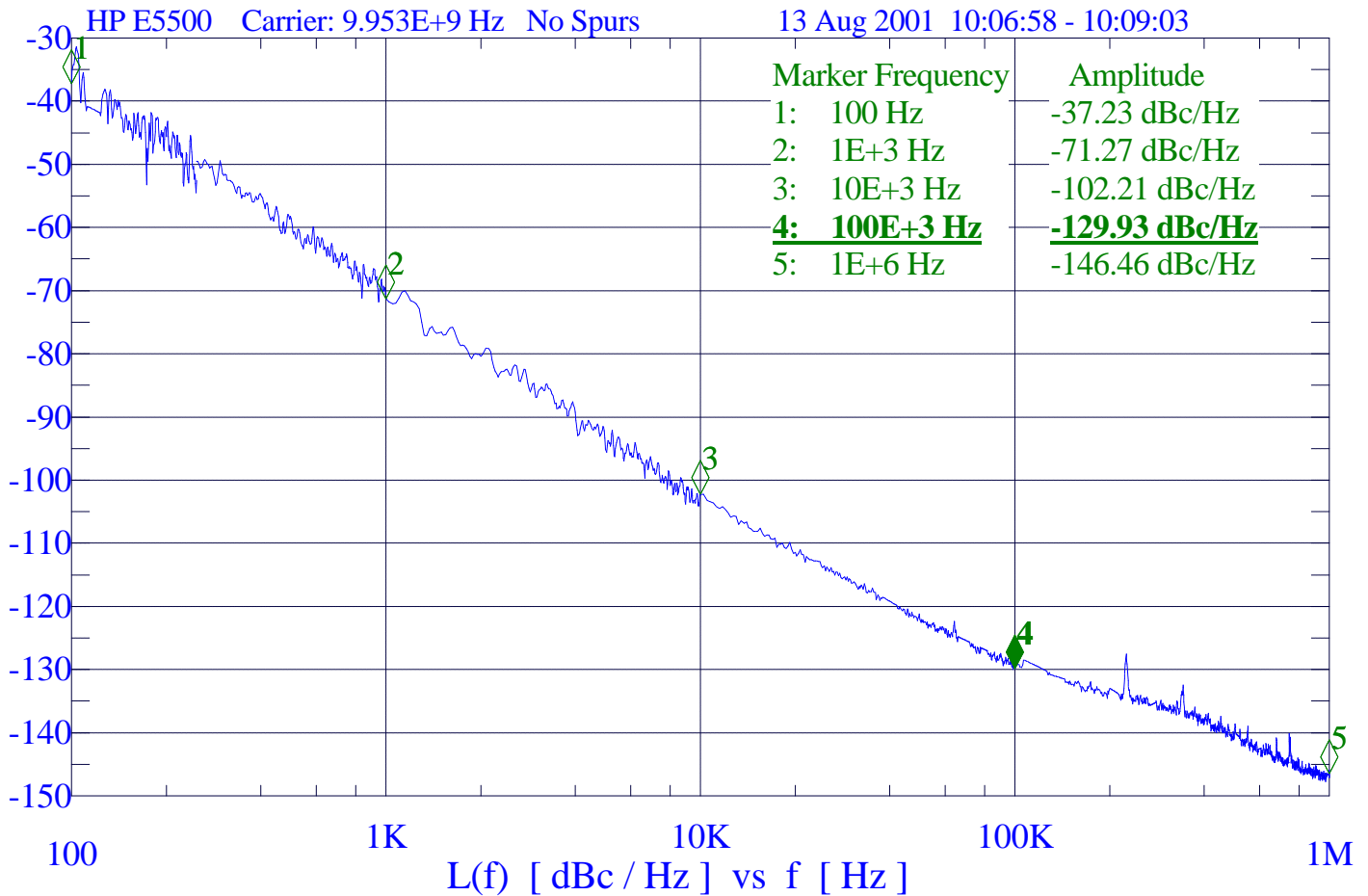


# 9.953 GHz FRDRO (SN2877)



9.953 GHz FRDRO (SN2877)

Measurement time: 13 Aug 2001 10:06:58 - 10:09:03

Measurement type: Absolute phase noise (using a phase locked loop)

Start offset frequency: 100 Hz

Stop offset frequency: 1E+6 Hz

Minimum number of FFT averages: 4

Carrier Source frequency: 9.953E+9 Hz

Detector input frequency: 352.839791495E+6 Hz

Detector: Automatic detector selection

Nominal VCO tune constant: 1E+6 Hz/Volt

VCO center voltage: 2.5 Volts

VCO tune range: 2.4 Volts

Detector constant cal method: Derive from measured beatnote.

Detector constant: 203.4E-3 V/Rad

VCO tune constant cal method: Measure the Tune Constant.

Current VCO tune constant: 1.01E+6 Hz/Volt

PLL Integrator attenuation: 0 dB

Phase Locked Loop suppression was verified.

Accuracy Spec Degradation: 180E-3 dB

Closed PLL BW: 10.646E+3 Hz

Peak Tune Range: 2.0737E+6 Hz

Assumed Pole: 17.3E+6 Hz

Carrier Source: (manual) ; VCO tuned using DC FM.

Reference Source: HP-8663

Time Base: (none)

Downconverter: HP-70427

LNA gain: 42 dB

Software Version: A.01.04