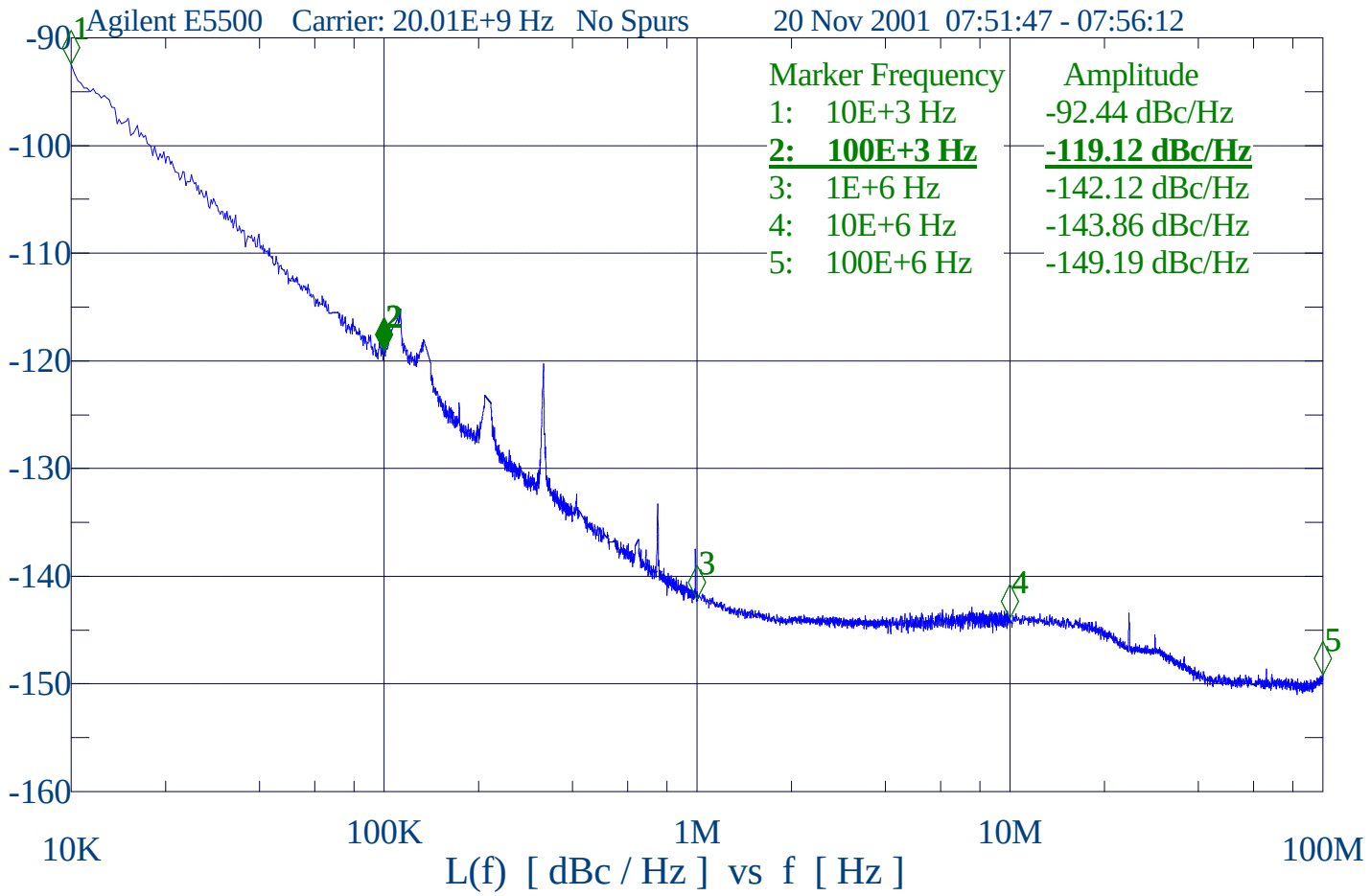
20 GHz FRDRO



20 GHz FRDRO
Measurement time: 20 Nov 2001 07:51:47 - 07:56:12
Measurement type: Absolute phase noise (using a phase locked loop)
Start offset frequency: 10E+3 Hz
Stop offset frequency: 100E+6 Hz
Minimum number of FFT averages: 4
Carrier Source frequency: 20.01E+9 Hz
Detector input frequency: 390.326788964E+6 Hz
Detector: Automatic detector selection
Nominal VCO tune constant: 403E+3 Hz/Volt
VCO center voltage: 0 Volts
VCO tune range: 5 Volts
Detector constant cal method: Derive from measured beatnote.
Detector constant: 176.3E-3 V/Rad
VCO tune constant cal method: Measure the Tune Constant.
Current VCO tune constant: 304.4E+3 Hz/Volt
PLL Integrator attenuation: 0 dB
Phase Locked Loop suppression was verified.
Accuracy Spec Degradation: 200E-3 dB
Closed PLL BW: 6.9325E+3 Hz
Peak Tune Range: 1.2165E+6 Hz
Assumed Pole: 5.767E+6 Hz
Carrier Source: (manual)
Reference Source: Agilent/HP 8663A
Time Base: (none)
Downconverter: Agilent/HP 70427A ; VCO tuned using EFC.
LNA gain: 42 dB
Software Version: A.01.05