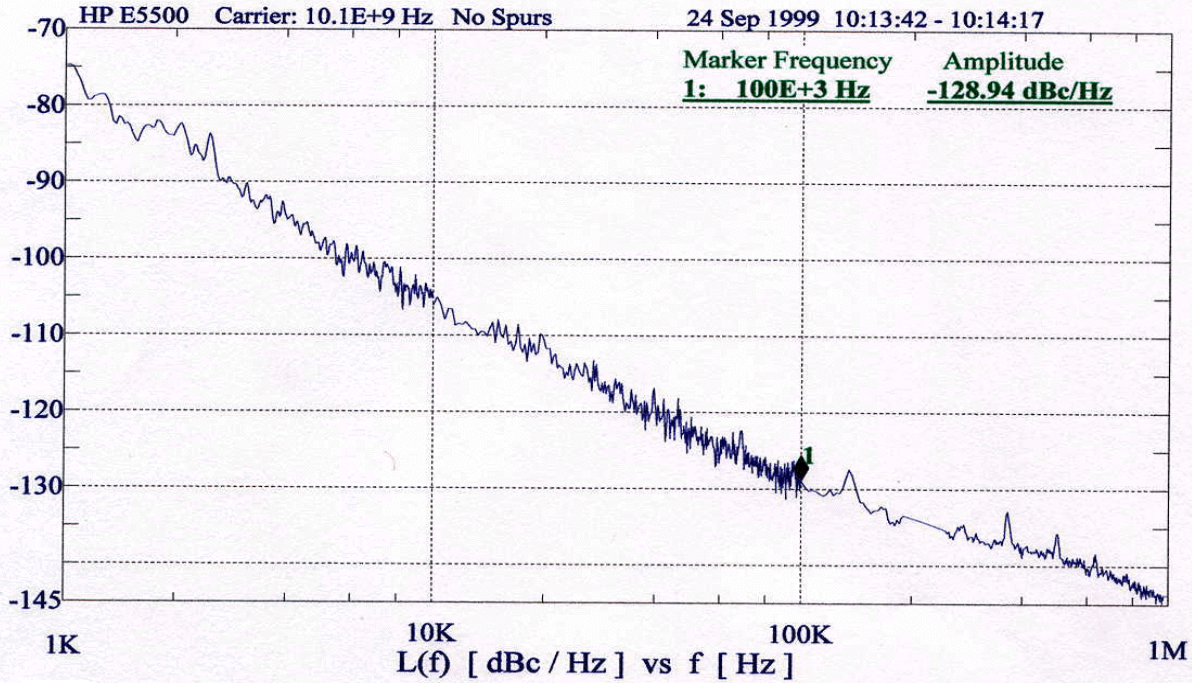


Low Phase Noise

MwT-7 in 10 GHz FRDRO @ P_{out} = +15dBm



10 GHz FRDRO
 Measurement time: 24 Sep 1999 10:13:42 - 10:14:17
 Measurement type: Absolute phase noise (using a phase locked loop)
 Start offset frequency: 1E+3 Hz
 Stop offset frequency: 1E+6 Hz
 Minimum number of FFT averages: 4
 Carrier Source frequency: 10.1E+9 Hz
 Detector input frequency: 586.368840498E+6 Hz
 Detector: Automatic detector selection
 Nominal VCO tune constant: 200E+3 Hz/Volt
 VCO center voltage: 0 Volts
 VCO tune range: 10 Volts
 Detector constant cal method: Derive from measured beatnote.
 Detector constant: 199.4E-3 V/Rad
 VCO tune constant cal method: Measure the Tune Constant.
 Current VCO tune constant: 153.7E+3 Hz/Volt
 PLL Integrator attenuation: 0 dB
 Phase Locked Loop suppression was verified.
 Accuracy Spec Degradation: 400E-3 dB
 Closed PLL BW: 6.3538E+3 Hz
 Peak Tune Range: 1.4891E+6 Hz
 Assumed Pole: 17.3E+6 Hz
 Carrier Source: (manual)
 Reference Source: HP-8663
 Time Base: (none)
 Downconverter: HP-70427 ; VCO tuned using EFC.
 LNA gain: 42 dB
 Software Version: A.01.04