

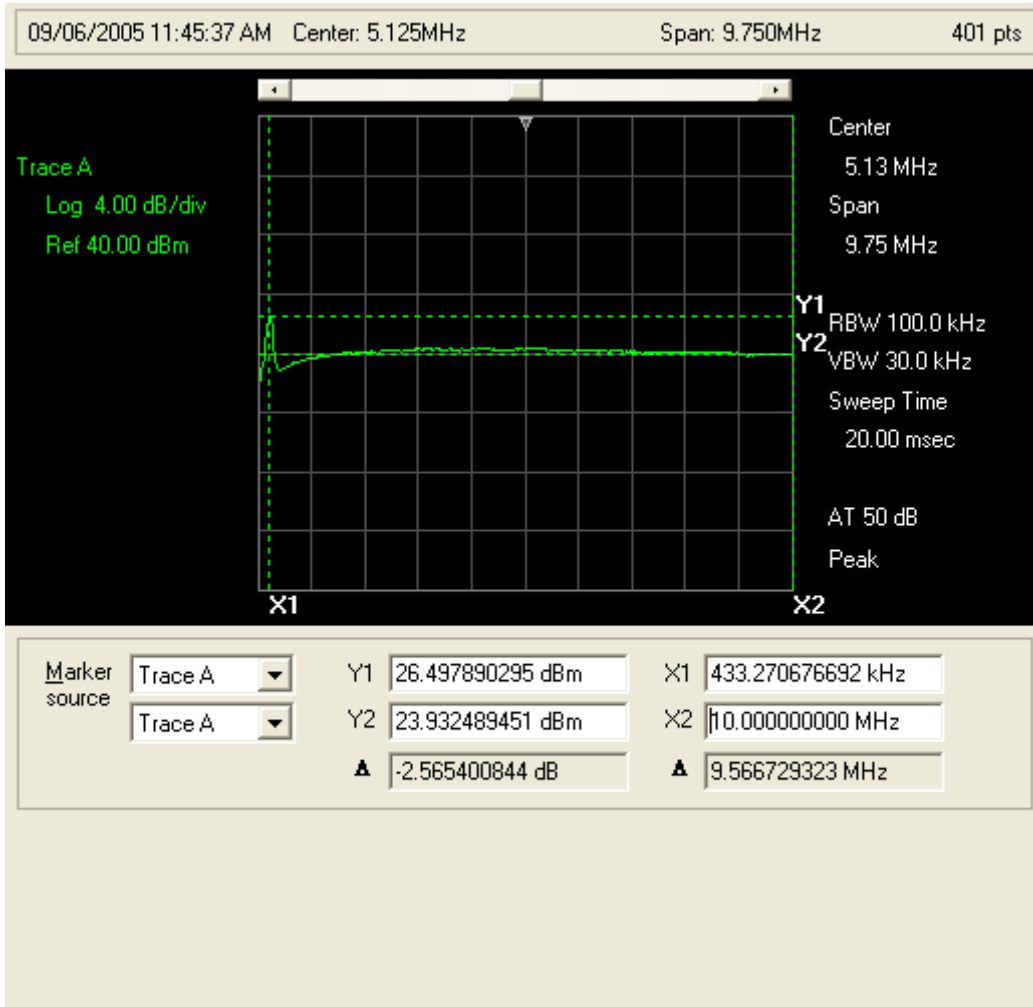


First Unit – Preliminary Data

DC Current: 300mA
OP1dB: 25dBm typical, 24dBm min. measured.

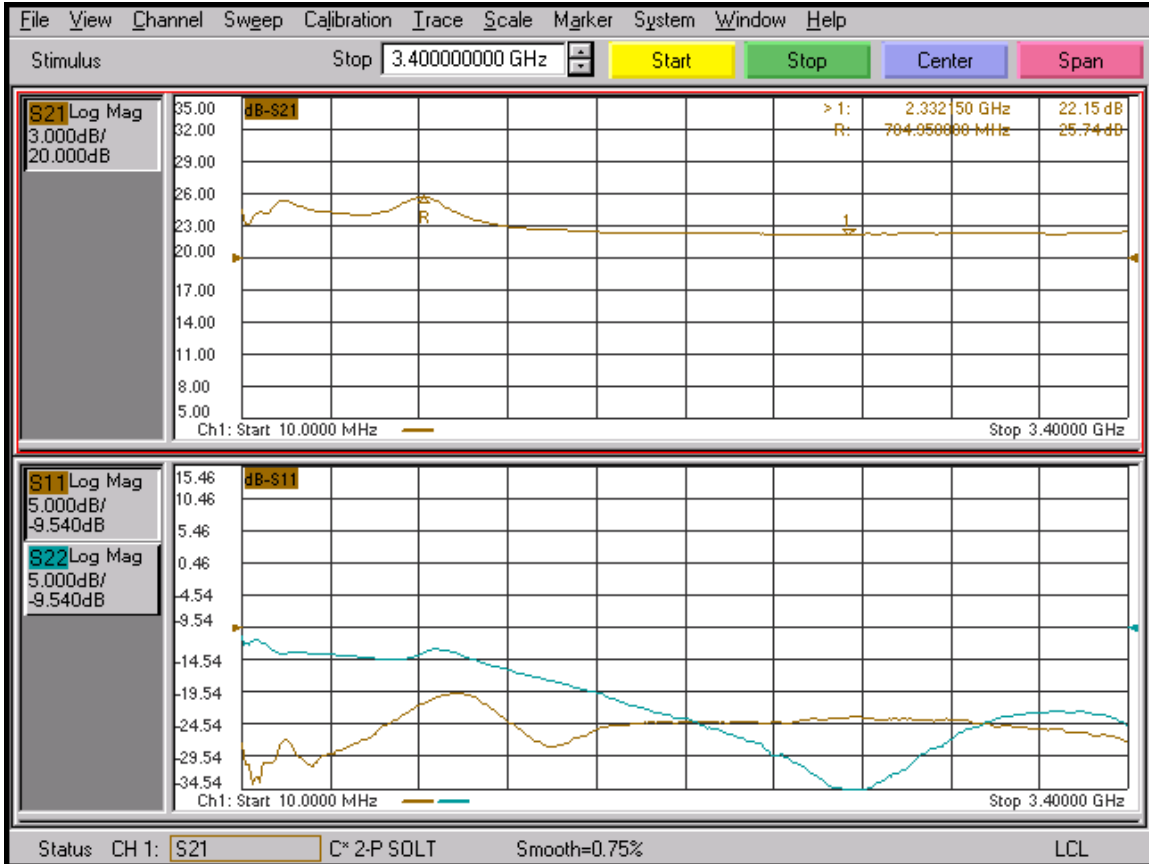
Swept S21 Data

250kHz to 10MHz

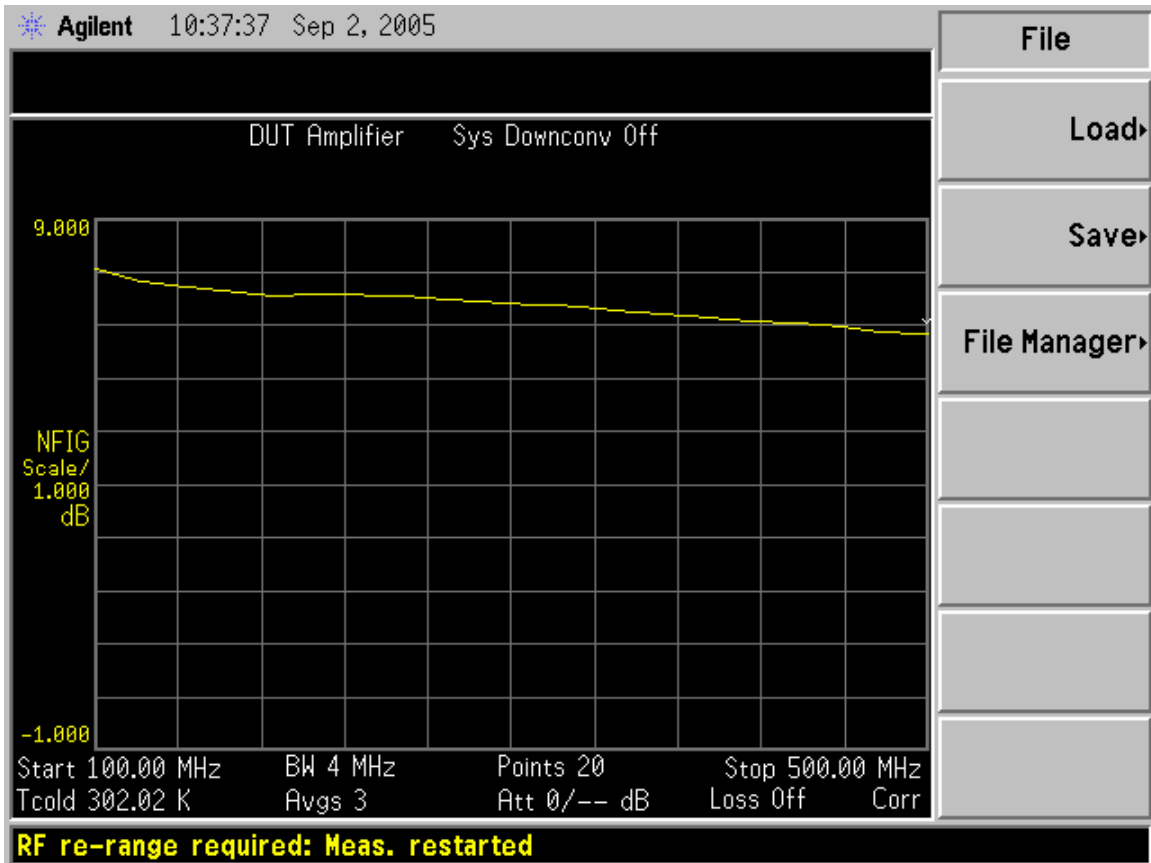


Swept S21, S11, and S22 Data

10MHz to 4.0GHz

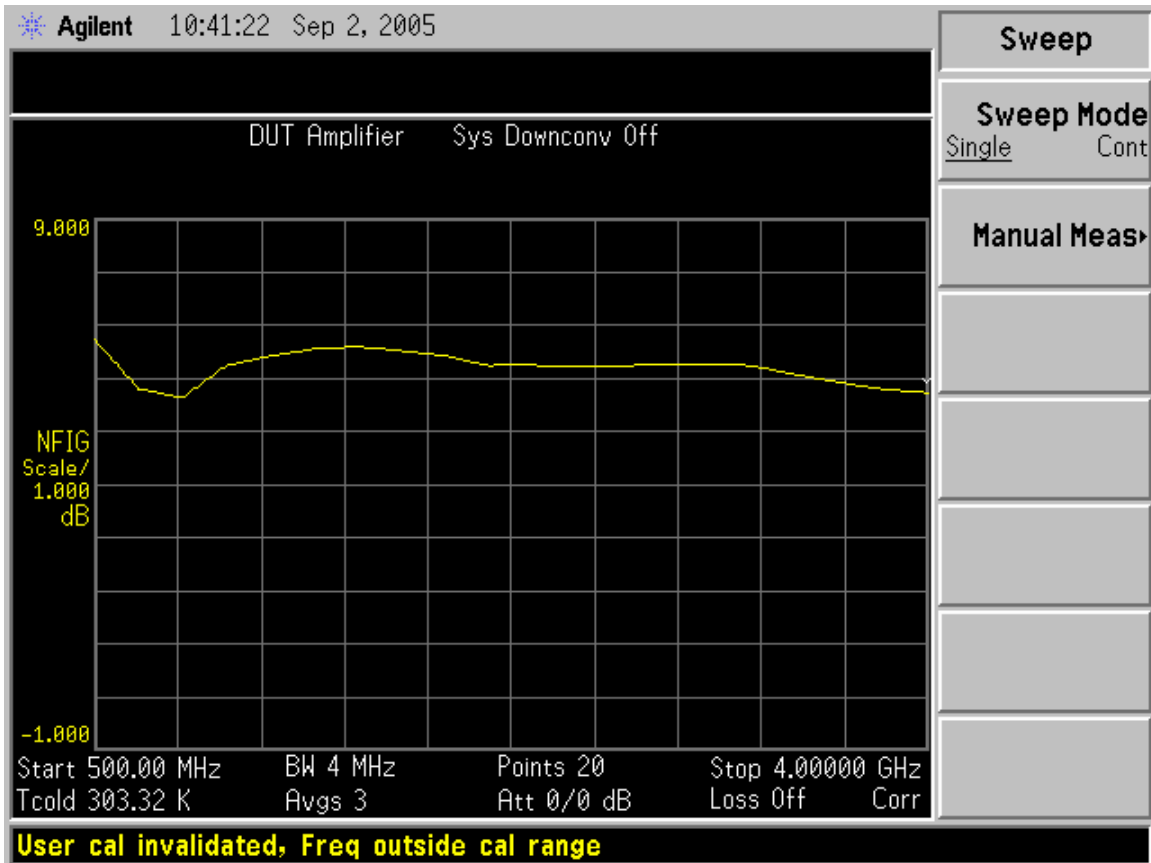


Noise Figure Plot (100 to 500MHz)





Noise Figure Plot (500MHz to 4.0GHz)





Specifications	Actual Value Req.	Measured	Comments
Frequency	250k-3.4G	OK	
Gain	16min. 20min.	24dB Typical	See Plots
Gain Flatness	+/-1.5dB max.	+/-2.0dB	
Gain Slope	+/-0.2dB/100MHz max.	OK – See Comments	Pass above 500kHz
OP1dB	+26dBm min	+24dBm min. +25 typ	
OIP3	+36dBm min.	OK	
VSWR In	2.0:1 max.	OK	See Plots
VSWR Out	1.8:1 max.	OK	See Plots
NF	8.0dB max.	OK	See NF Plot
Max. Input Power	+20dBm CW	OK	
Supply Voltage	+12	OK	
DC Current	TBD	300mA	
Power Diss.	8W max.	OK	
Oper. Temp.	-10 to +65 Deg. C	OK	
Oper. Humidity	0 to 95% RH	OK	