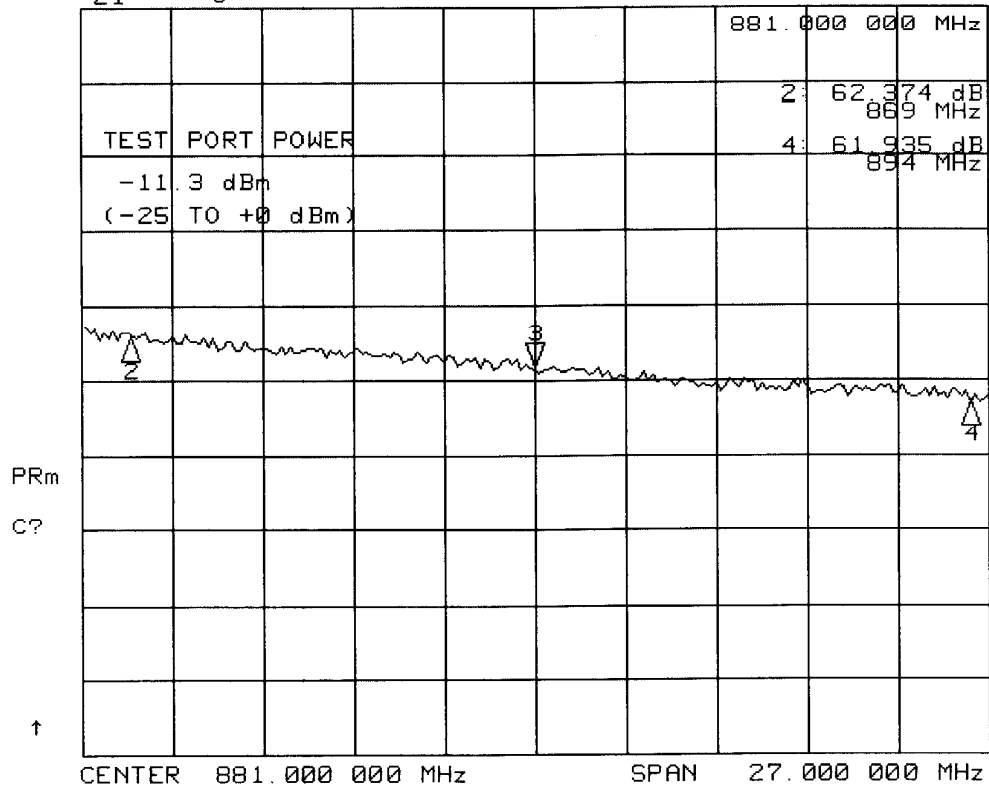


25 Nov 2002 08:22:44

CH2 S21 log MAG .5 dB/ REF 62.07 dB 3: 62.15 dB



Passband Gain
MCA 9129-90-A (Cobra)
SN PD0000019E

**Equipment Standard
Amplifier Gain and Bandwidth
MCA9129-90-A (Cobra)
S/N PD000019E**

Network Analyzer
Hewlett Packard
Model # 8753D
S/N 3401A08033
Calibration Date: 09/24/02
Calibration Due: 09/30/02
Calibration By: Anmar Metrology Nist Traceable

System DC Power Supply
Hewlett Packard
Model # 6683A (0-32V/0-160A)
S/N 3514A-00152
Calibration Date: 02/05/02
Calibration Due: 02/28/03
Calibration By: Anmar Metrology Nist Traceable

Coaxial Directional Coupler
Narda
Model # 304120
S/N 31269
No Calibration Required

30dB/25W Attenuator
Weinschel Corp
Model # 33-30-34
S/N BE9689
No Calibration Required

30dB/500W Load
Weinschel Corp
Model # 53-30-34
S/N LM734
No Calibration Required

10dB/25W Attenuator
Weinschel Corp
Model # 33-10-34
S/N BJ5888
No Calibration Required

10dB/25W Attenuator
Weinschel Corp
Model # 46-10-43
S/N AZ4362
No Calibration Required