

FAX TRANSMISSION
From Tyson Rutledge
Account Manager

Prodelin Corporation
a TriPoint Global™ Company
1500 Prodelin Drive Newton, NC 28658
USA

Phone (828) 466-9178 / Fax (828) 466-0860

www.prodelin.com

customer.service@prodelin.com

(240) 255-0748

To: Monserrat Sans

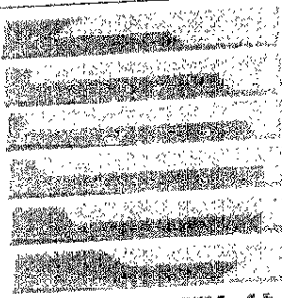
Company: HNS

Subject: 1134 Patterns

Date: 9-17

Number of Pages:

Test No. 0691



PRODELIN
CORPORATION

Prodelin Corporation

Riverbend Antenna Range
7945 Riverbend Road
Claremont NC 28610

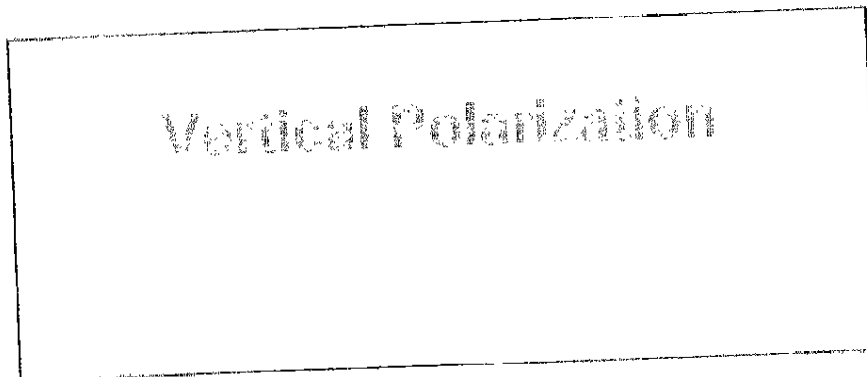
Prodelin Series 1134

1.2 Meter

.8 f/d

**Ku-Band Tx / Rx
Antenna System**

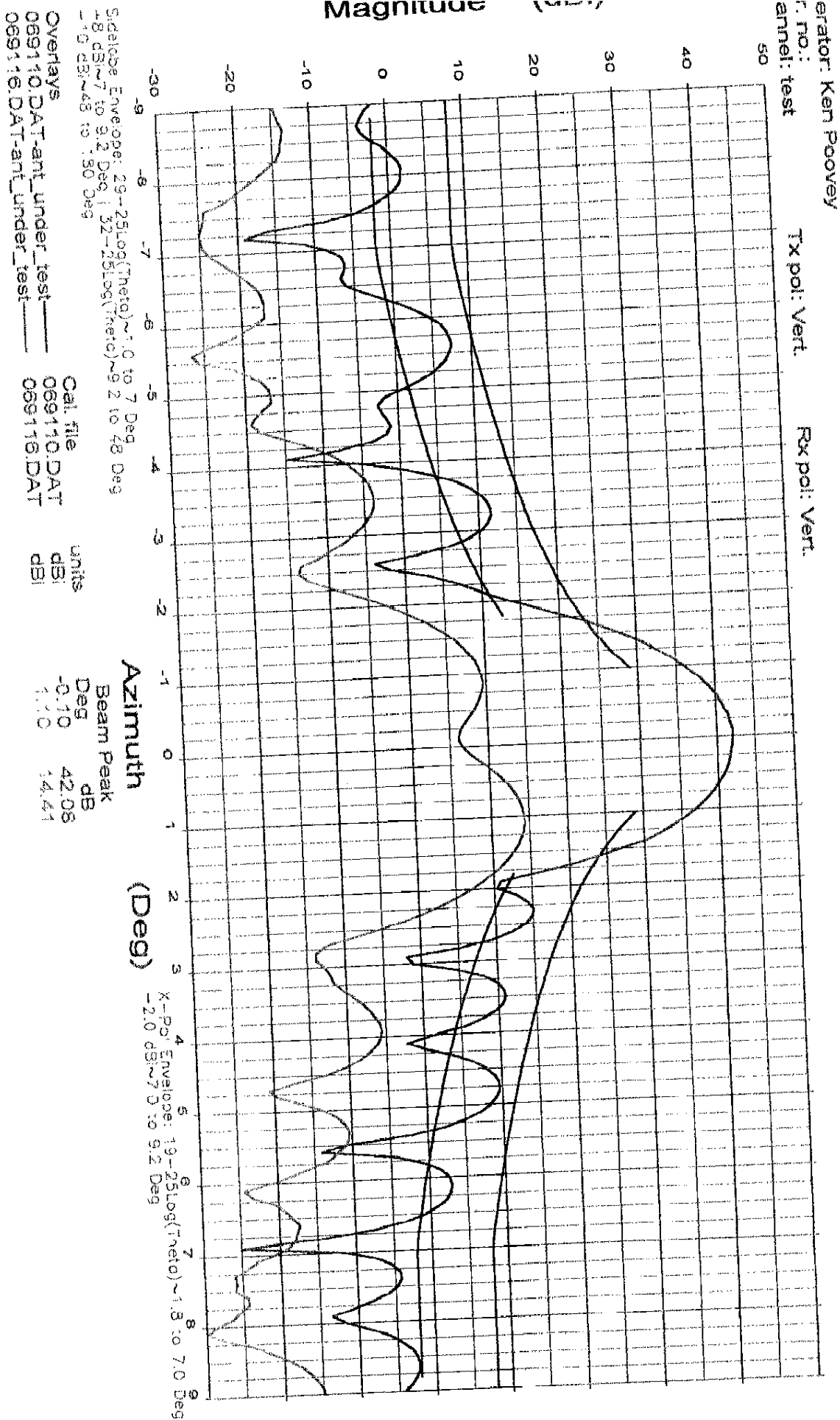
This package contains original patterns



P. 04
See Legend

Prodellin Series 1134
1.2 Meter .8 ft/d
Ku-Band Tx \ Rx Antenna System

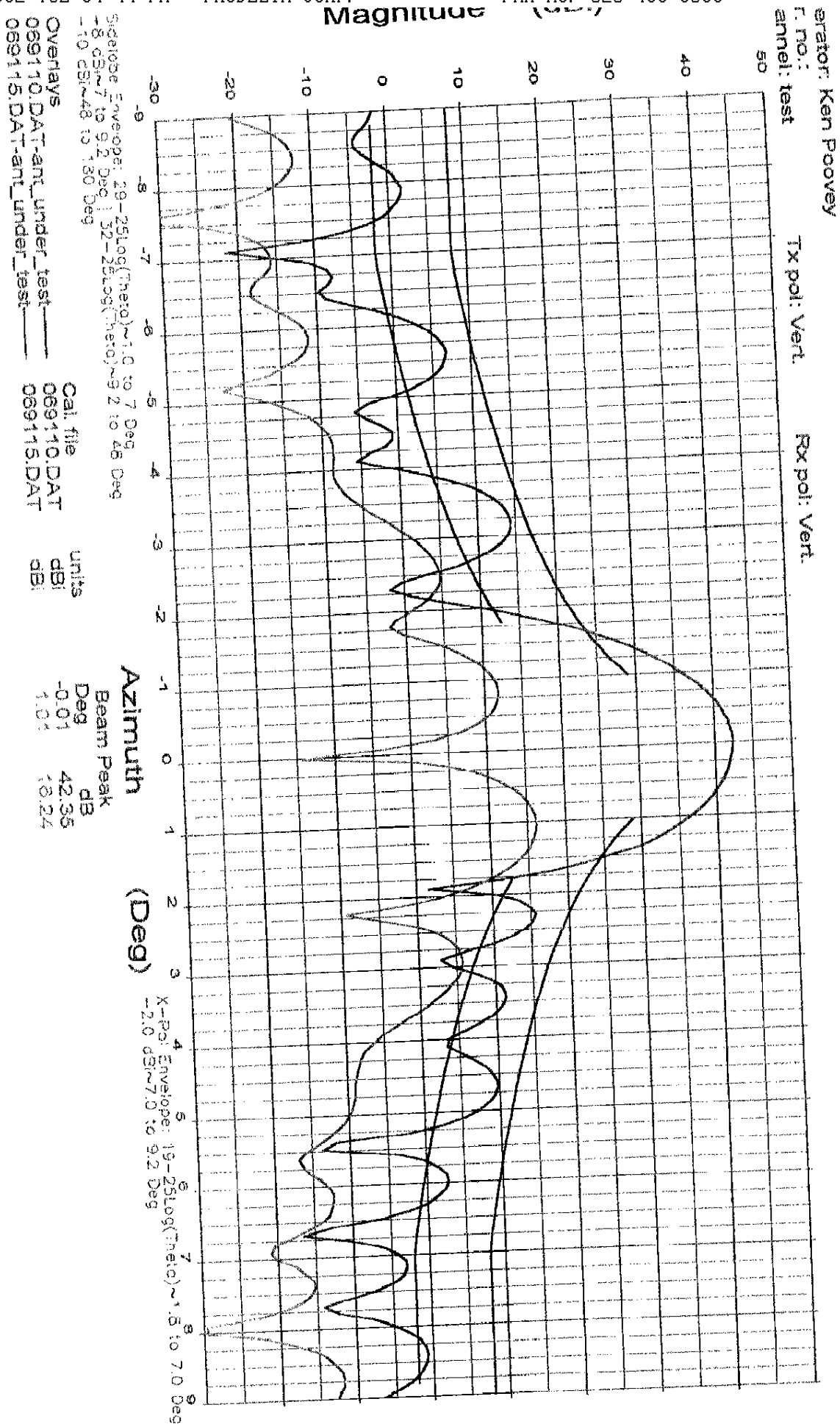
Frequency : 11.700 GHz



P. 05
See Legend

Prodellin Series 1134
1.2 Meter .8 f/d
Ku-Band Tx \ Rx Antenna System

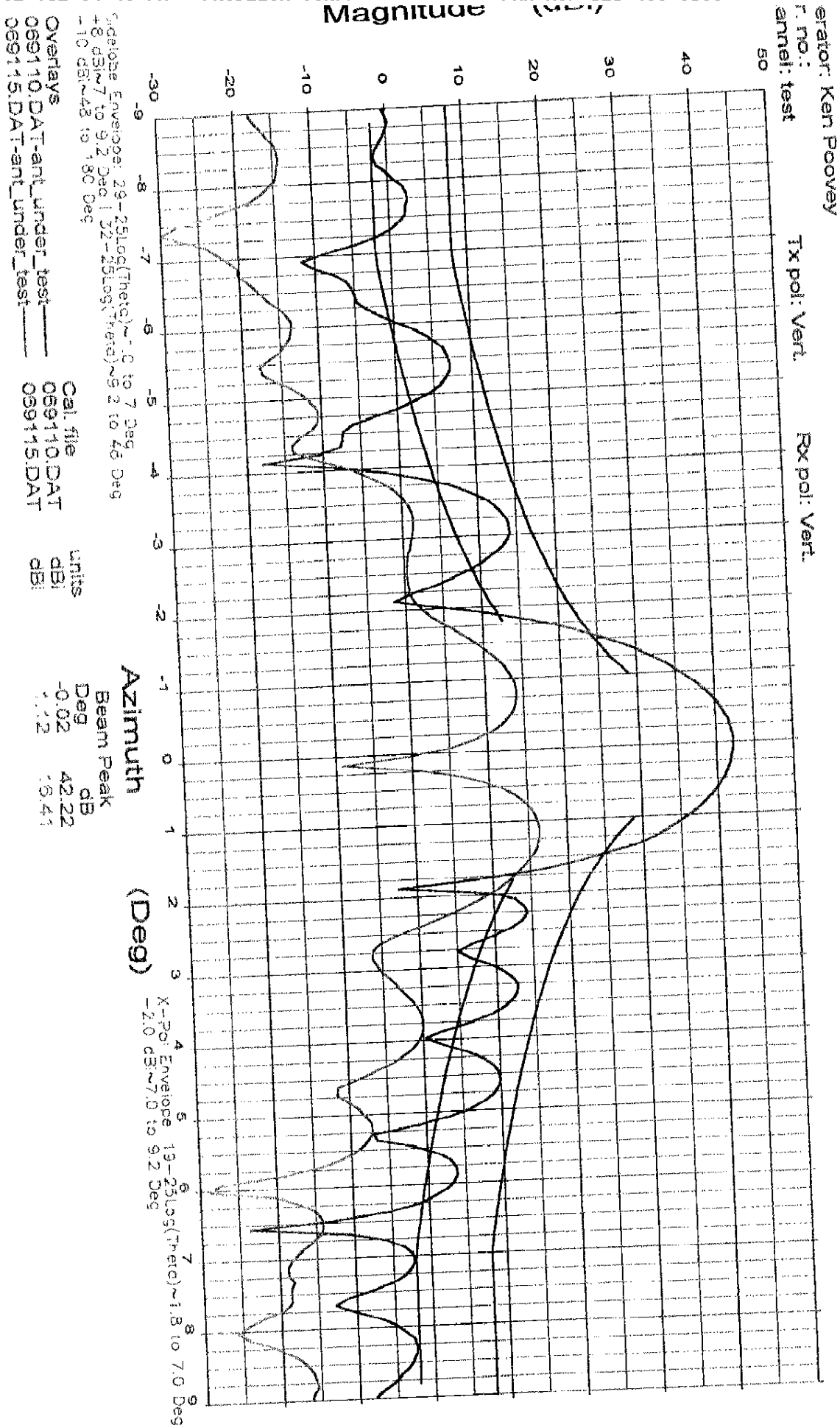
Frequency : 11.950 GHz



P. 06
See Legend

Prodelin Series 1134
1.2 Meter .8 f/d
Ku-Band Tx \ Rx Antenna System

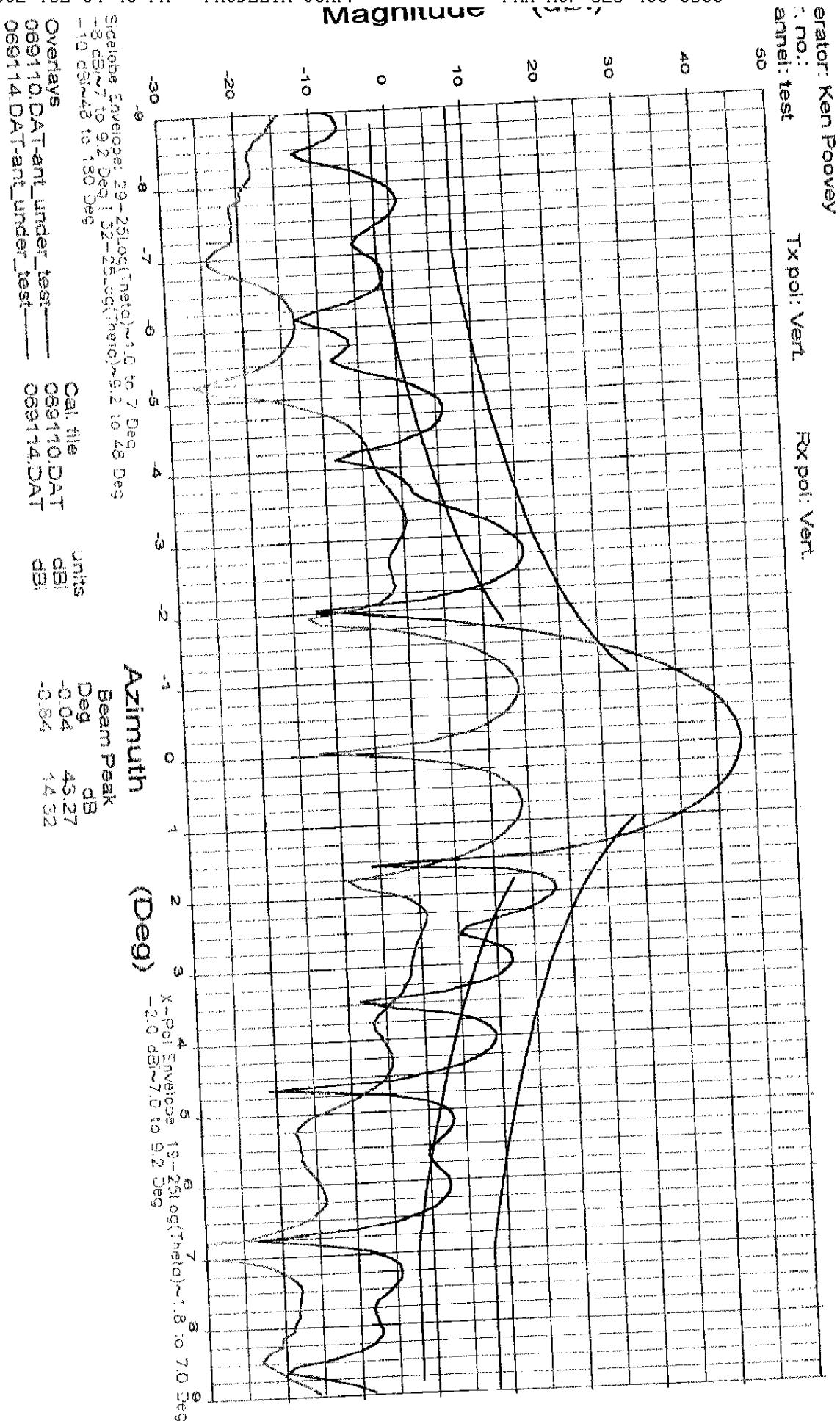
Frequency : 12.200 GHz



P. 07
See Legend

Prodellin Series 1134
1.2 Meter .87/d
Ku-Band TX \ Rx Antenna System

Frequency : 14.000 GHz



P. 08
See Legend

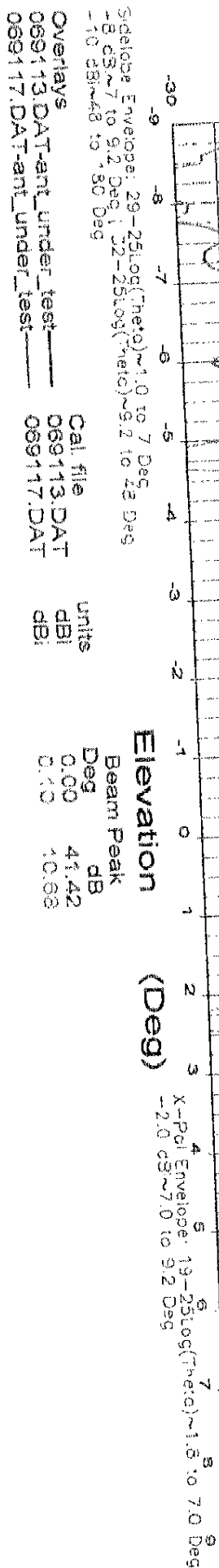
Prodelin Series 1134
1.2 Meter .8 f/d
Ku-Band Tx \ Rx Antenna System

Frequency : 11.700 GHz

erator: Ken Poovey
r. no.:
annel: test

Tx pol: Vert.

Rx pol: Vert.



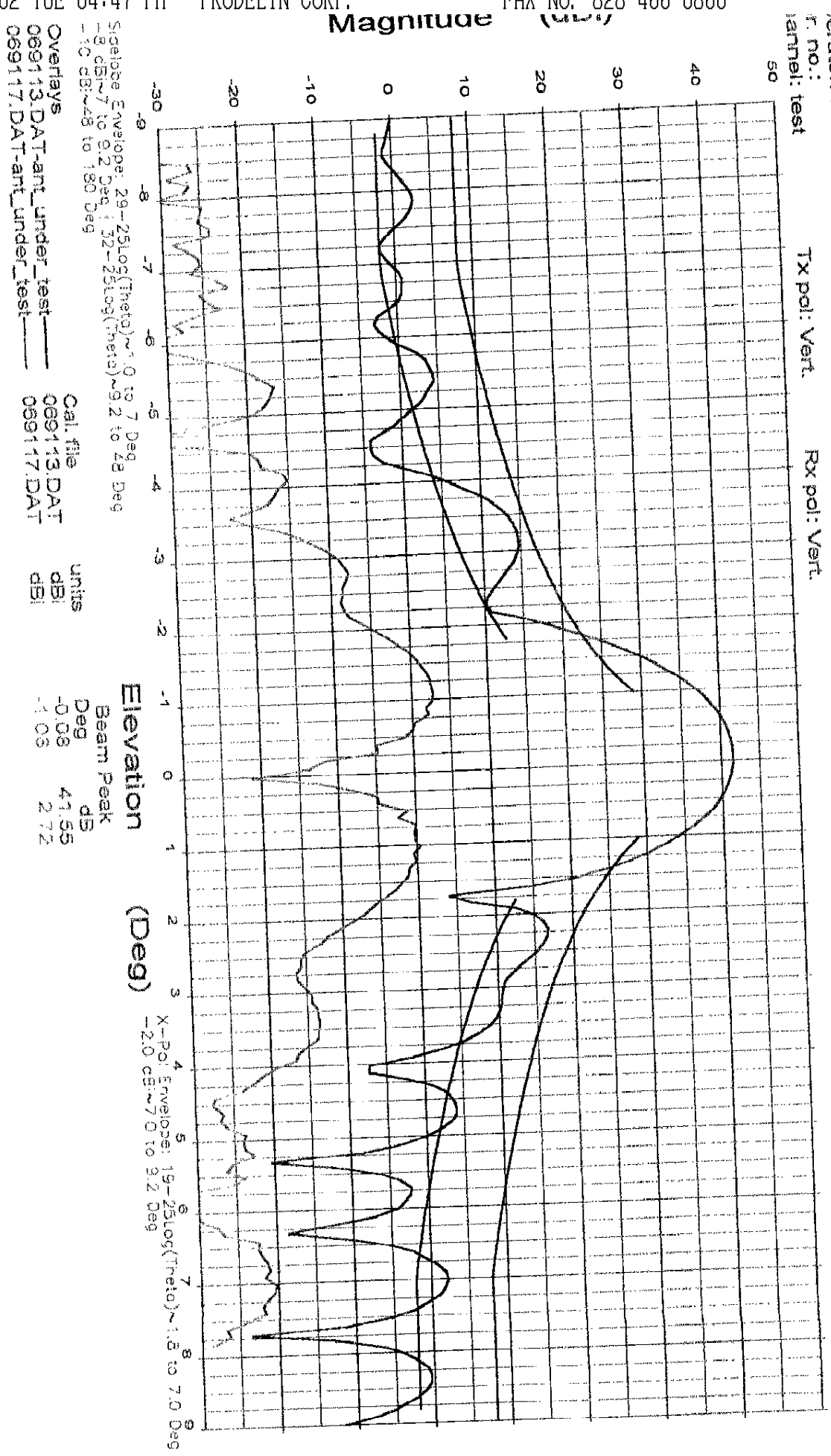
P. 09
See Legend

Prodelin Series 1134
1.2 Meter .8 f/d
Ku-Band Tx \ Rx Antenna System

Frequency : 11.950 GHz

Operator: Ken Poovey
r. no.:
channel: test

Tx pol: Vert. Rx pol: Vert.



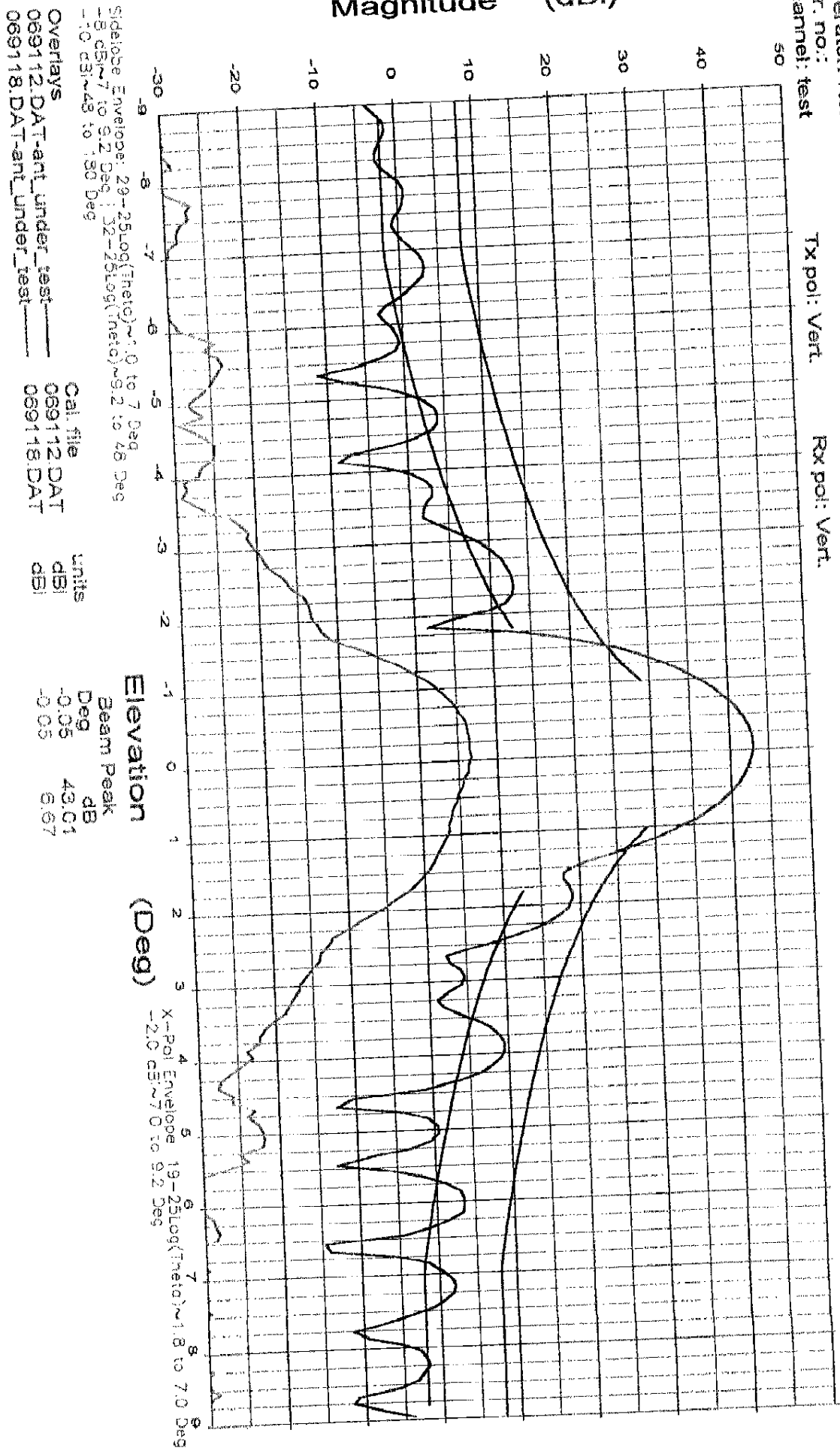
Prodellin Series 1134
1.2 Meter .8 f/d
Ku-Band Tx \ Rx Antenna System

Frequency : 14.000 GHz

erator: Ken Poovey
r. no.:
annel: test

Tx pol: Vert.

Rx pol: Vert.



P. 11
le: See Legend

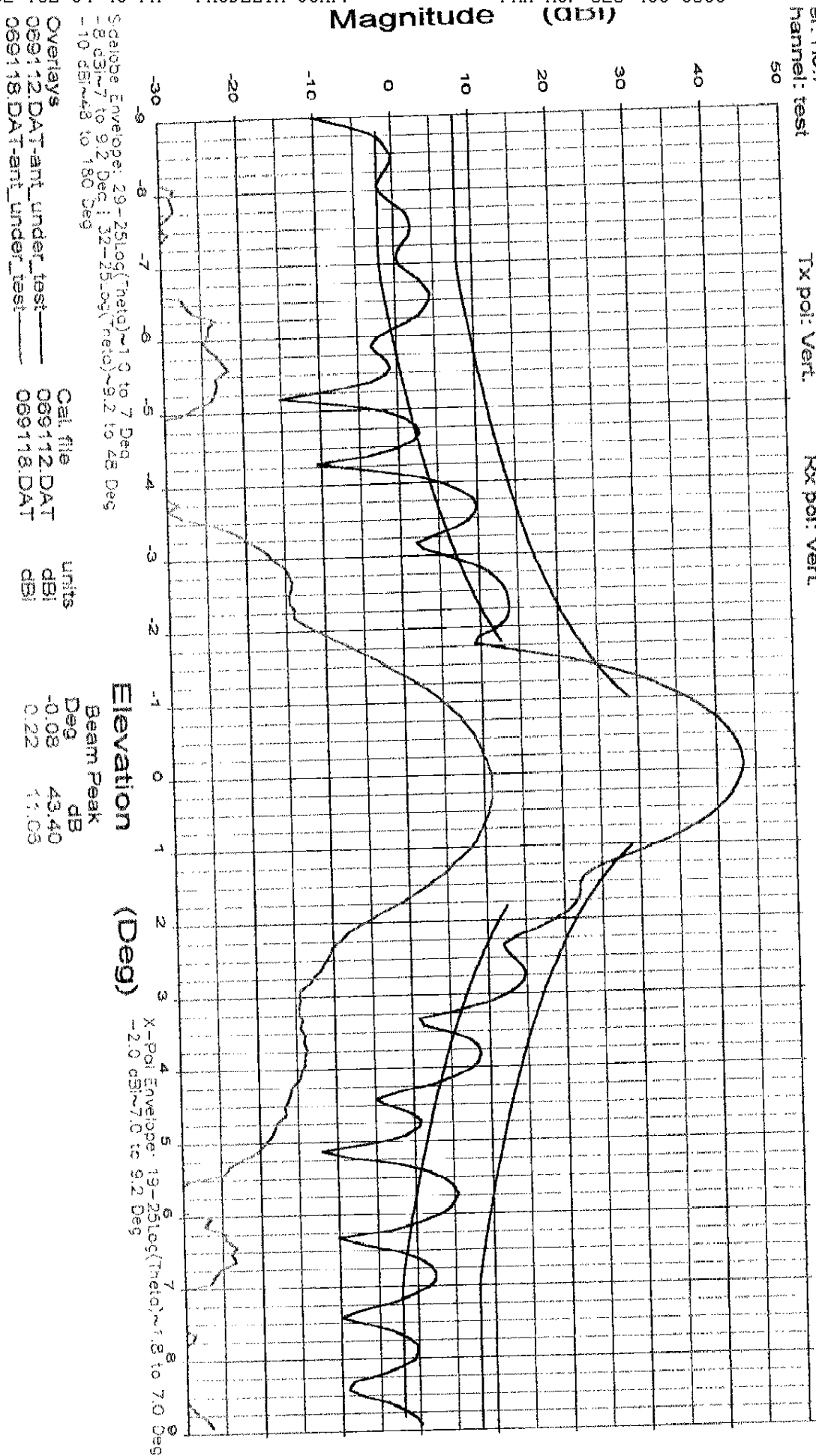
Prodellin Series 1134
1.2 Meter .8 f/d
Ku-Band Tx \ Rx Antenna System

Frequency : 14.500 GHz

Operator: Ken Poovey
sr. No.:
channel: test

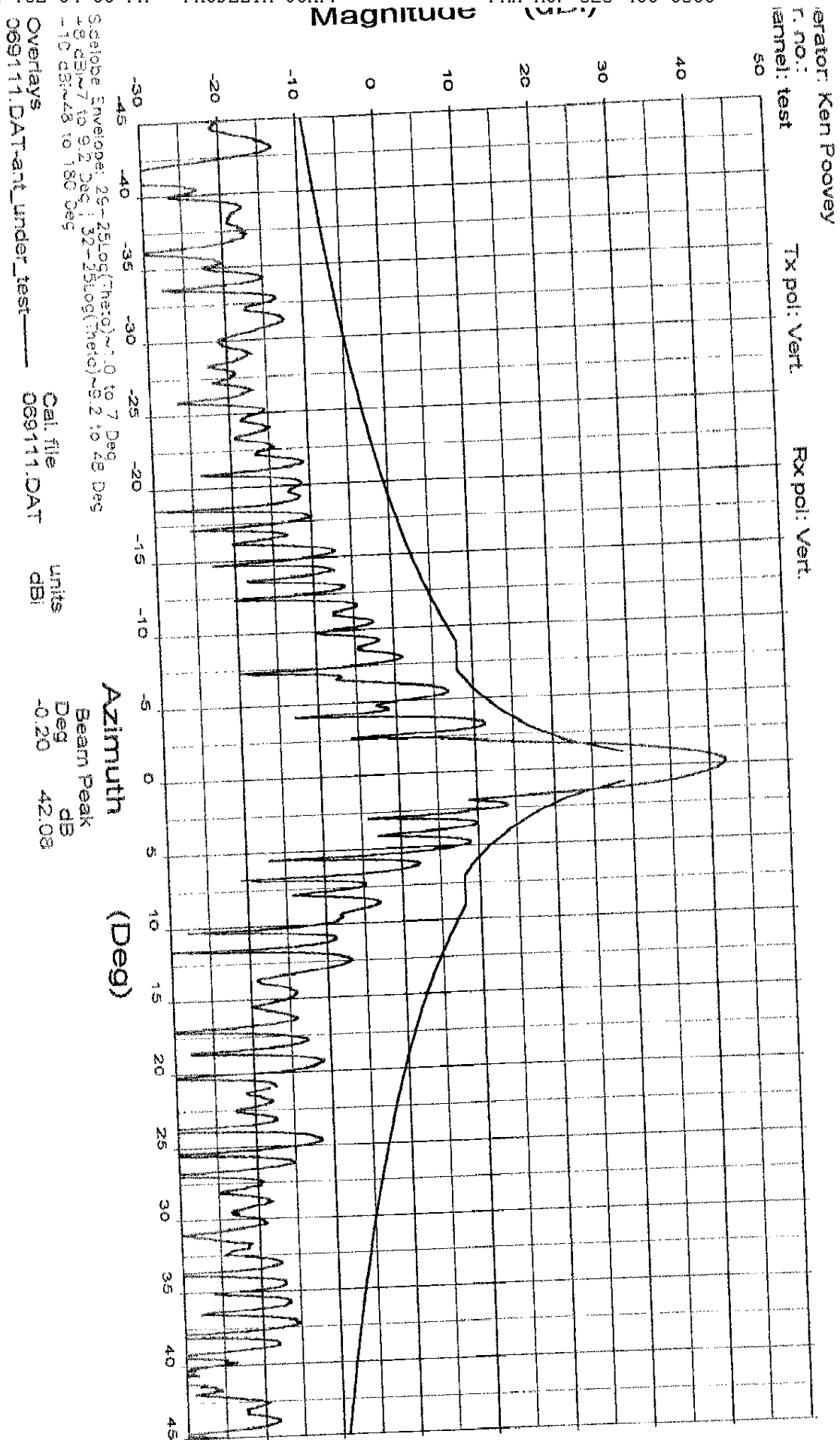
Tx pol: Vert

Rx pol: Vert



Prodelin Series 1134
1.2 Meter .8 f/d
Ku-Band Tx \ Rx Antenna System

Frequency : 11.700 GHz



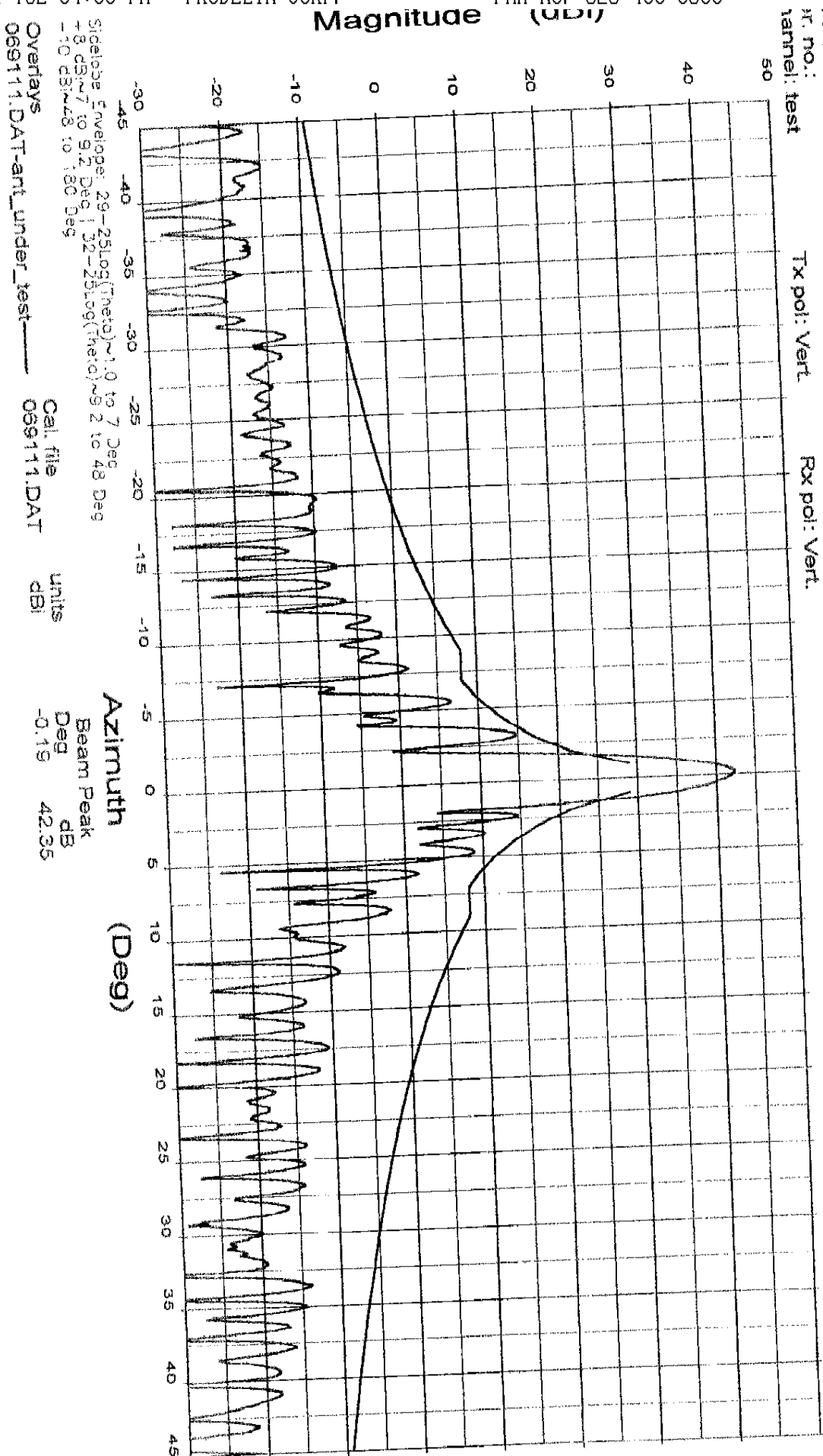
Prodellin Series 1134
1.2 Meter .8 f/d
Ku-Band Tx \ Rx Antenna System

Frequency : 11.950 GHz

Operator: Ken Poovey
UT No.:
Channel: test

Tx pol: Vert.

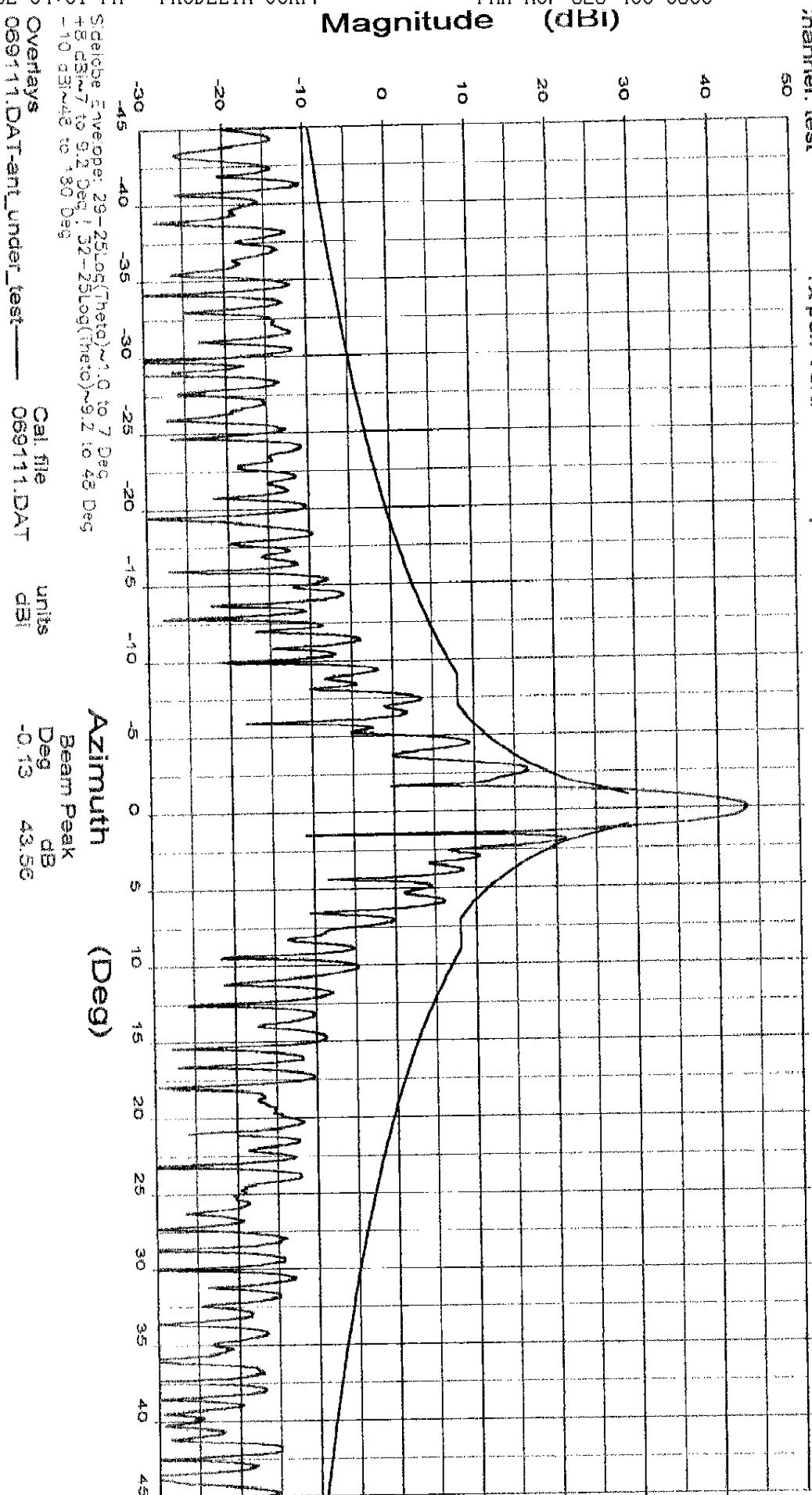
Rx pol: Vert.



Operator: Ken Poovey
 Ser. No.:
 Channel: test

Tx pol: Vert.

Rx pol: Vert.

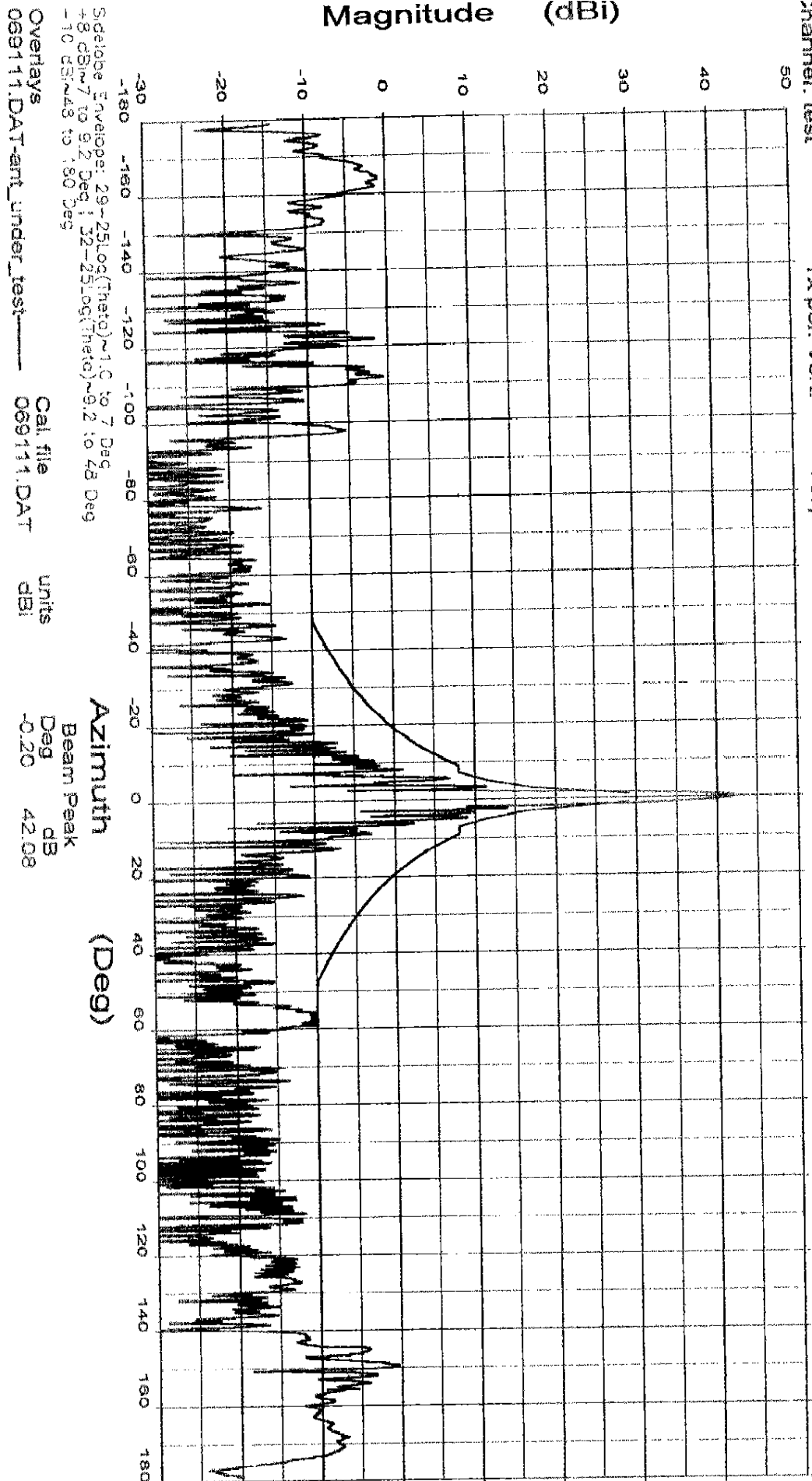


Frequency : 11.700 GHz

Prodelin Series 1134
1.2 Meter .8 f/d
Ku-Band Tx \ Rx Antenna System

Operator: Ken Poovey
ier. no.:
channel: test

Tx pol: Vert. Rx pol: Vert.



File: See Legend

Prodellin Series 1134
1.2 Meter .8 f/d
Ku-Band TX \ Rx Antenna System

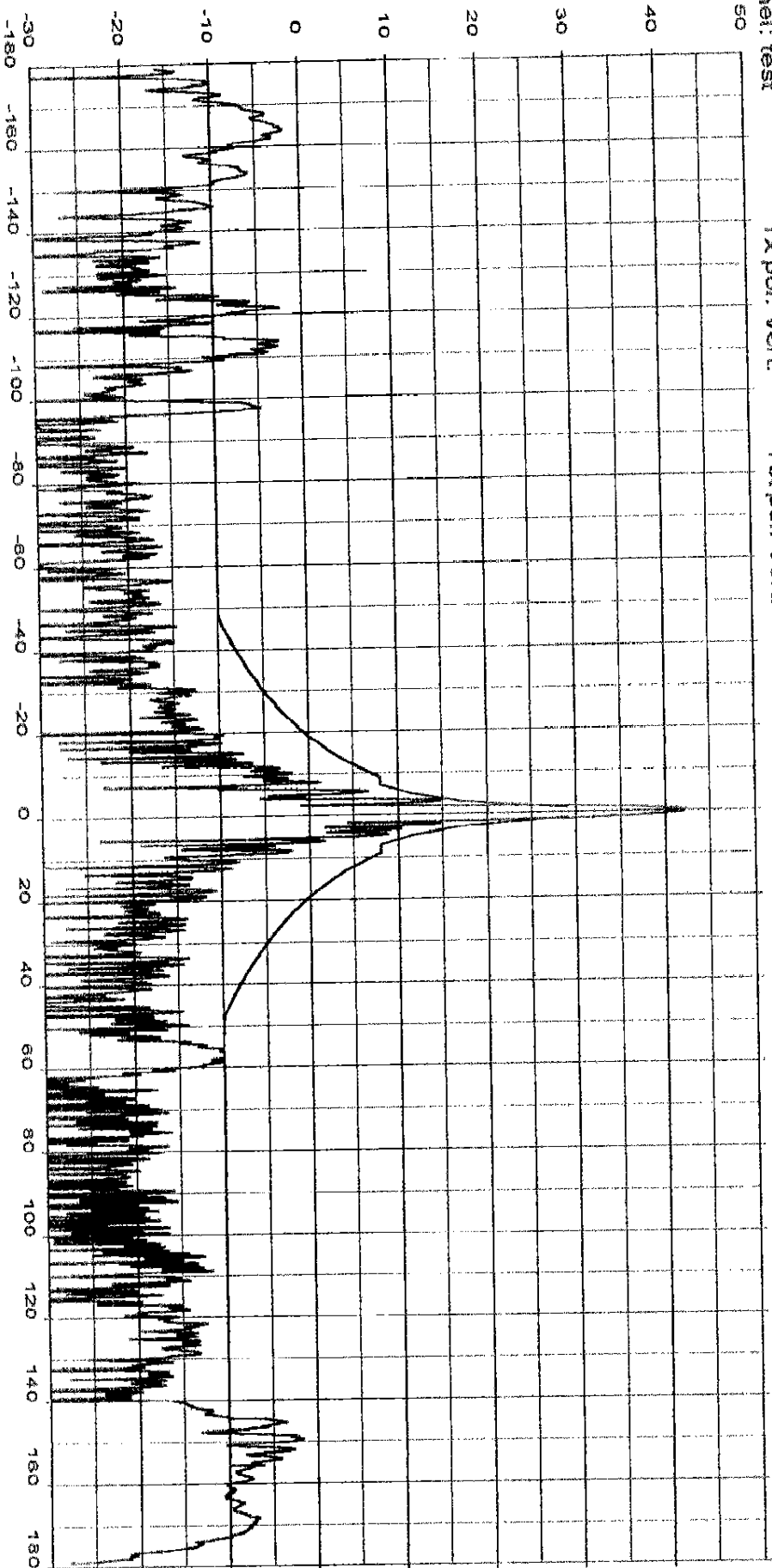
Frequency : 11.950 GHz

Operator: Ken Poovey
ier. no.:
channel: test

Tx pol: Vert. Rx pol: Vert.

Scope Envelope: 29-25log(Thero)~10 to 7 Deg
+2 dB~7 to 9.2 Deg | 32-25log(Thero)~9.2 to 43 Deg
-10 dB~43 to 180 Deg
Overlays
069111.DAT-ant_under_test—— Cal. file
069111.DAT units
dB

Azimuth (Deg)
Beam Peak
Deg dB
-0.19 42.35



File: See Legend

Prodilin Series 1134
1.2 Meter .87/d
KU-Band TX \ Rx Antenna System

Frequency : 12.200 GHz

Operator: Ken Poovey
ier. NO.:
channel: test

Tx pol: Vert.

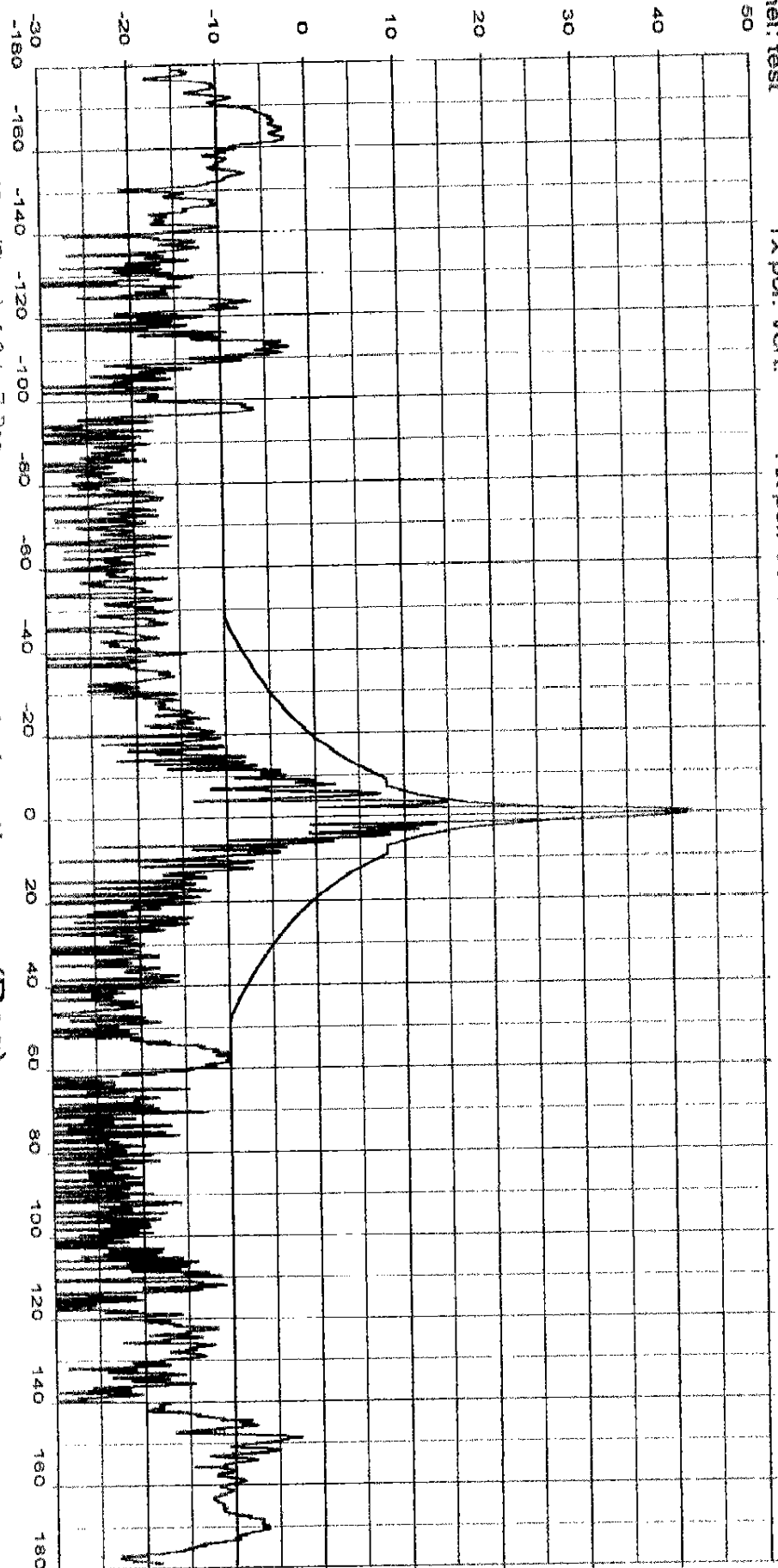
Rx pol: Vert.

Side lobe Envelope: 29-25log(Theta)~1.0 to 7 Deg
+8 dBi ~ 7 to 9.2 Deg
-10 dBi ~ 42 to 180 Deg

Cal file
069111.DAT

units
dB
Azimuth
Deg
Beam Peak
42.22

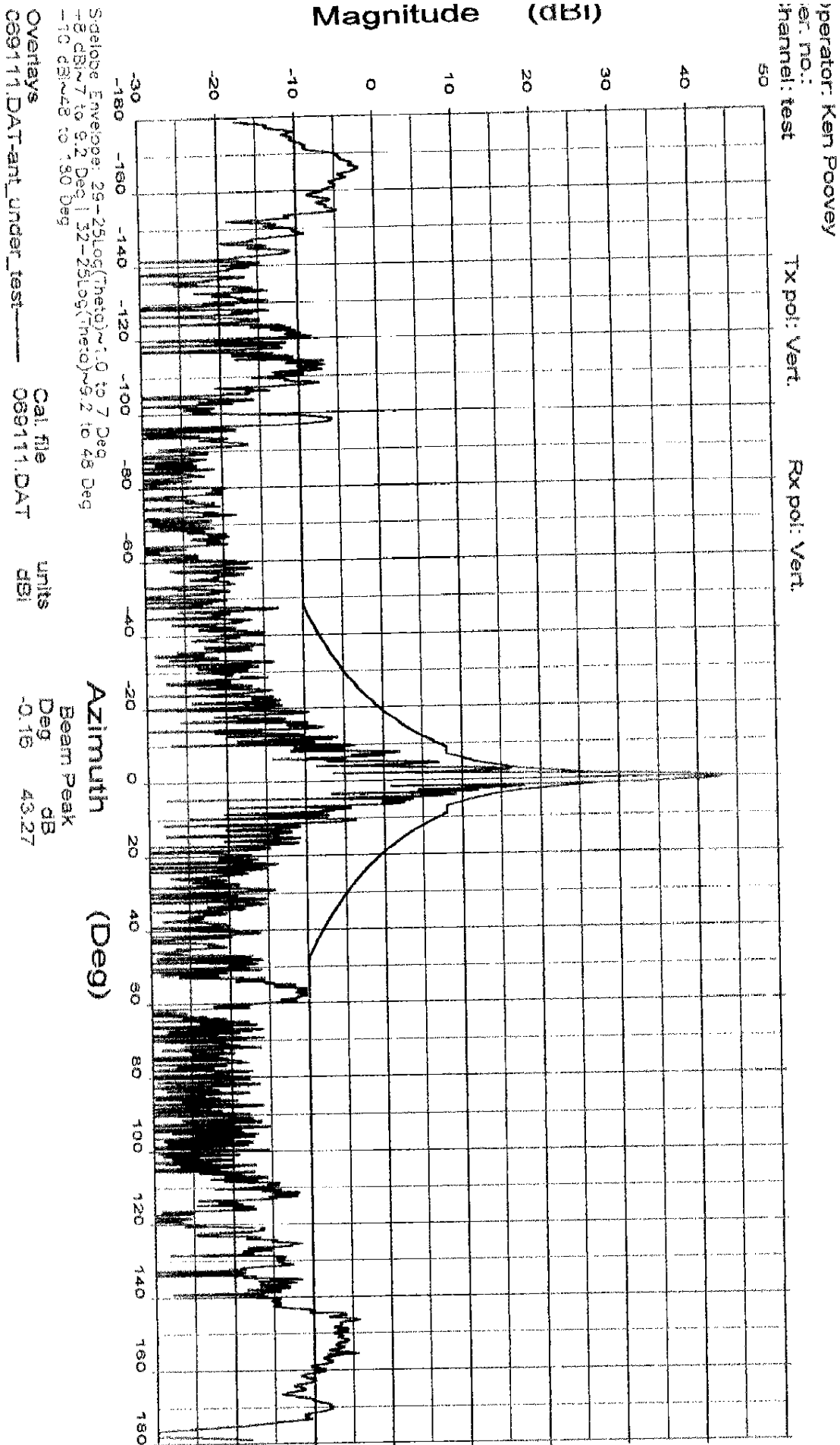
Magnitude (dBi)



File: See Legend
Operator: Ken Poovey

Prodellin Series 1134
1.2 Meter .8 f/d
Ku-Band Tx \ Rx Antenna System

Frequency : 14.000 GHz



File: See Legend

Prodellin Series 1134
1.2 Meter .8 f/d
Ku-Band Tx \ Rx Antenna System

Frequency : 14.250 GHz

Operator: Ken Poovey

ser. no.:
channel: test

Tx pol: Vert.

Rx pol: Vert.

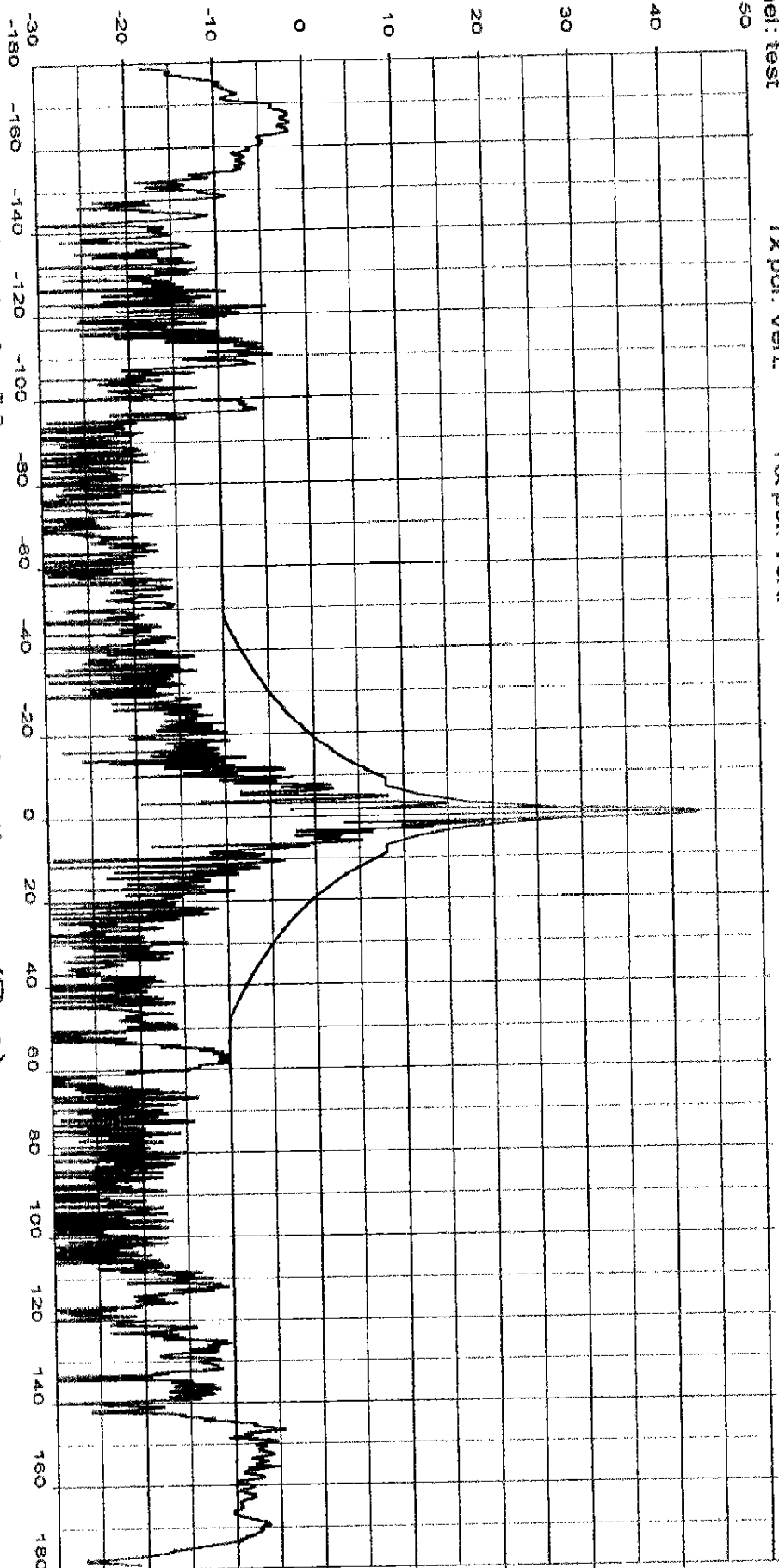
Overlays
069111.DAT-ant_under_test

Cal file
069111.DAT

units
dBi

Azimuth
Beam Peak
Deg dB
-0.14 43.35

Magnitude (dBi)

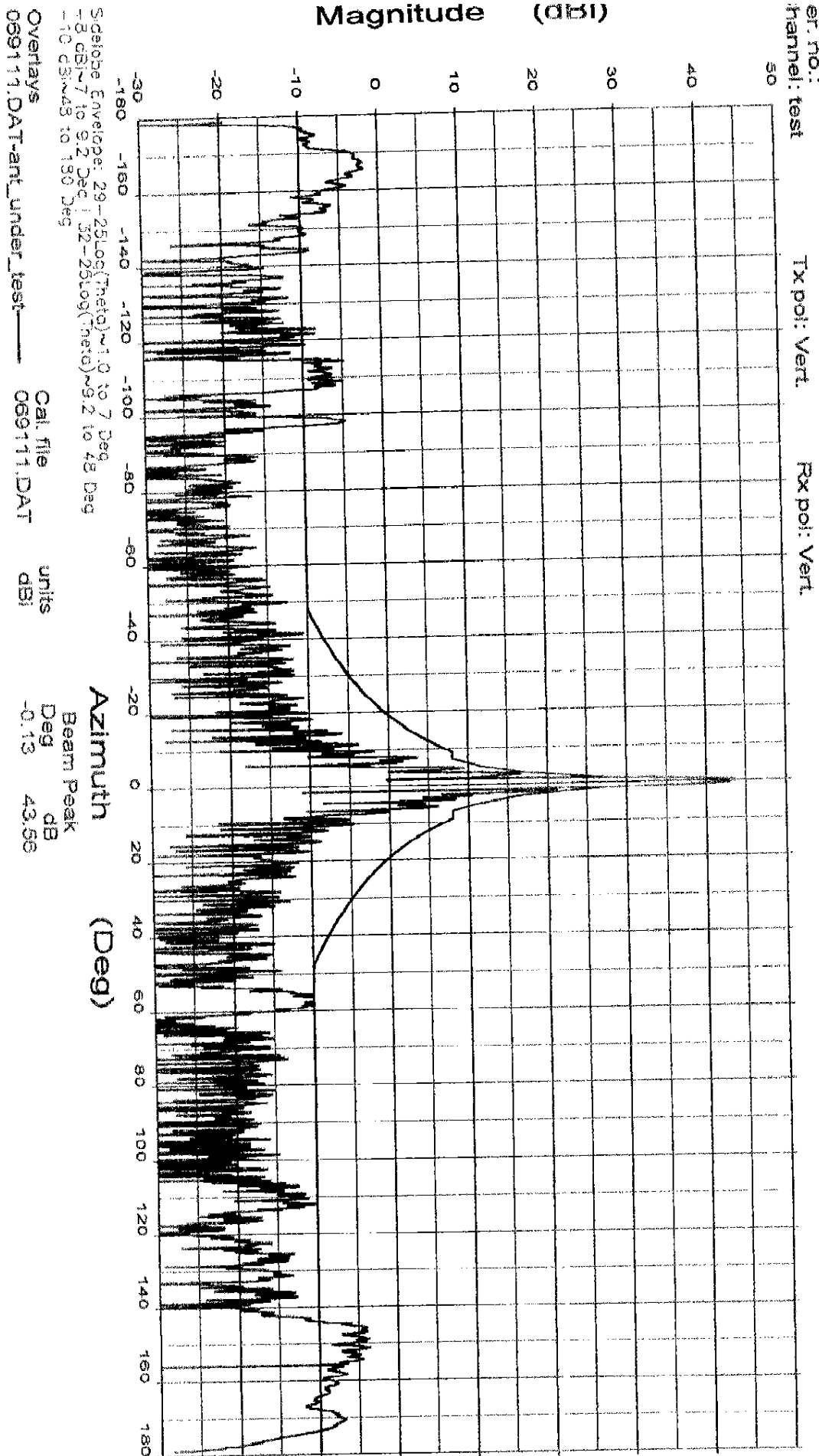


Sidelobe Envelope: 29-25log(theta)-1.0 to 7 Deg
-8 dBi to 9.2 Deg | 32-25log(theta)-9.2 to 48 Deg
-10 dBi to 180 Deg

P. 20
ie: See Legend
Operator: Ken Poovey

Prodelin Series 1134
1.2 Meter .8 f/d
Ku-Band Tx \ Rx Antenna System

Frequency : 14.500 GHz



Horizontal Polarization

P. 22
le: See Legend

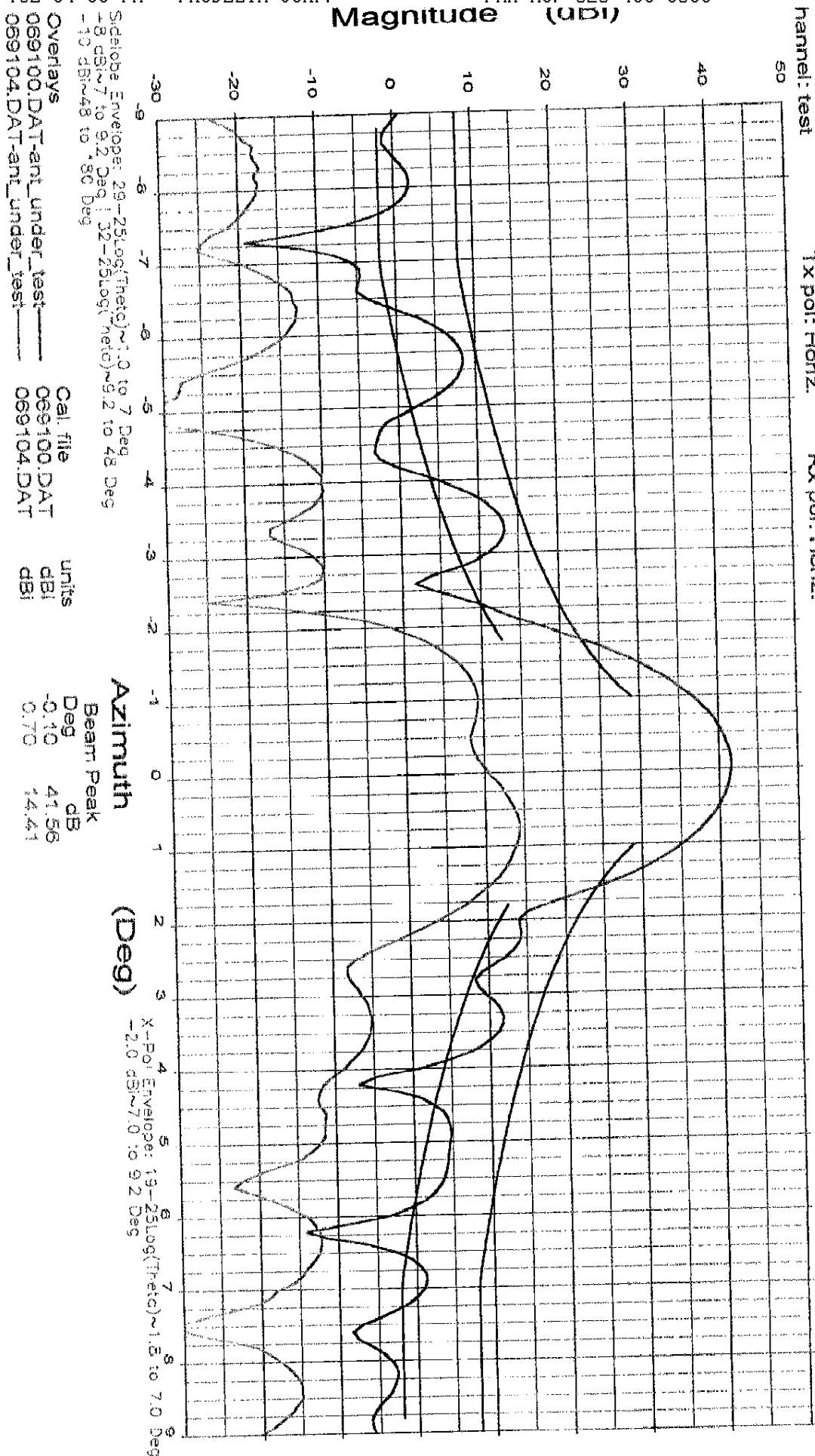
Prodellin Series 1134
1.2 Meter .8 f/d
Ku-Band Tx \ Rx Antenna System

Frequency : 11.700 GHz

Operator: Ken Poovey
Ant. No.:
Channel: test

Tx pol: Horiz.

Rx pol: Horiz.



P. 23
e: See Legend

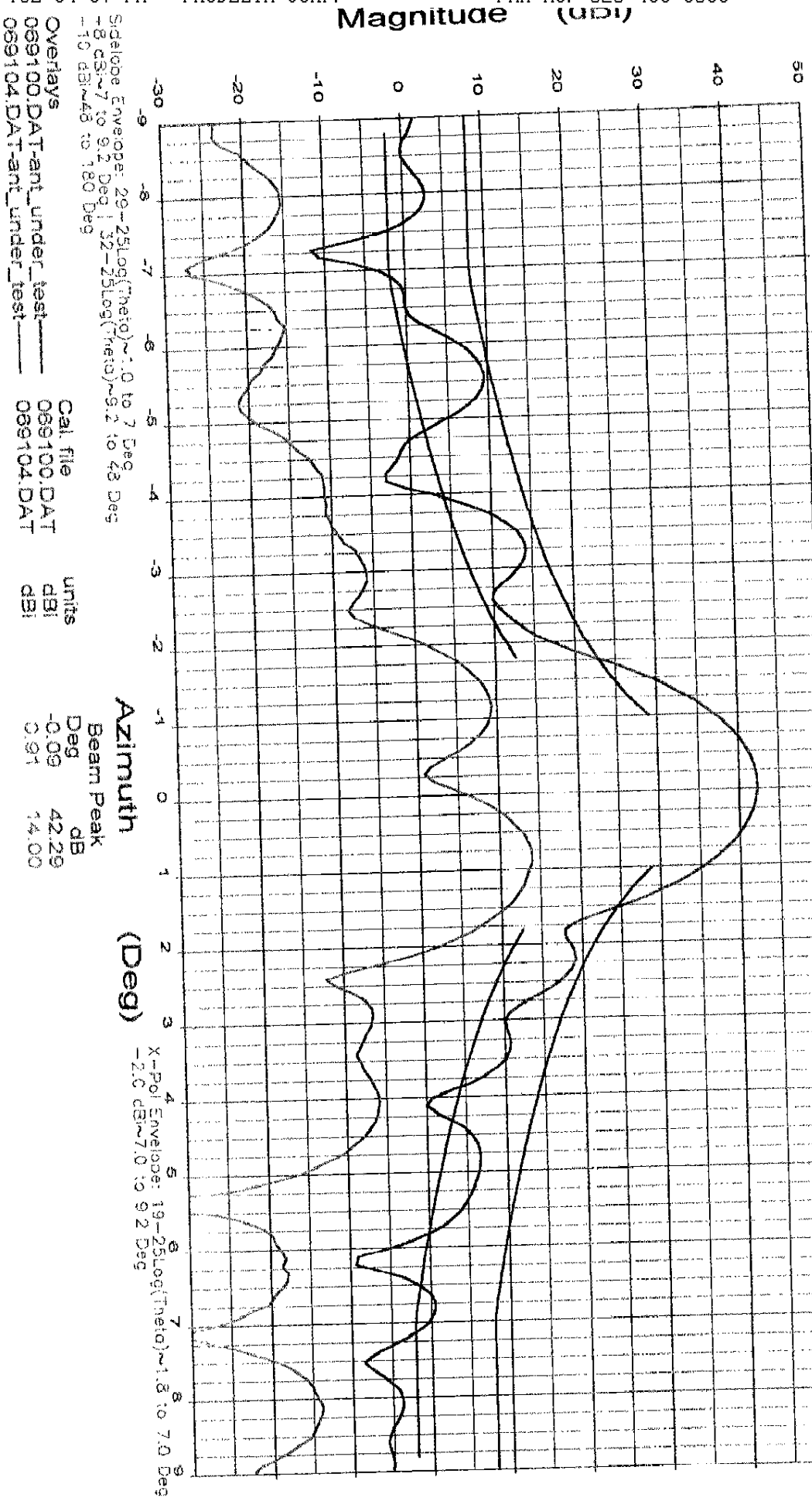
Prodellin Series 1134
1.2 Meter .8 f/d
Ku-Band Tx \ Rx Antenna System

Frequency : 11.950 GHz

erator: Ken Poovey

at. no.:
annel: test

Tx pol: Horiz. Rx pol: Horiz.



P. 24
File: See Legend

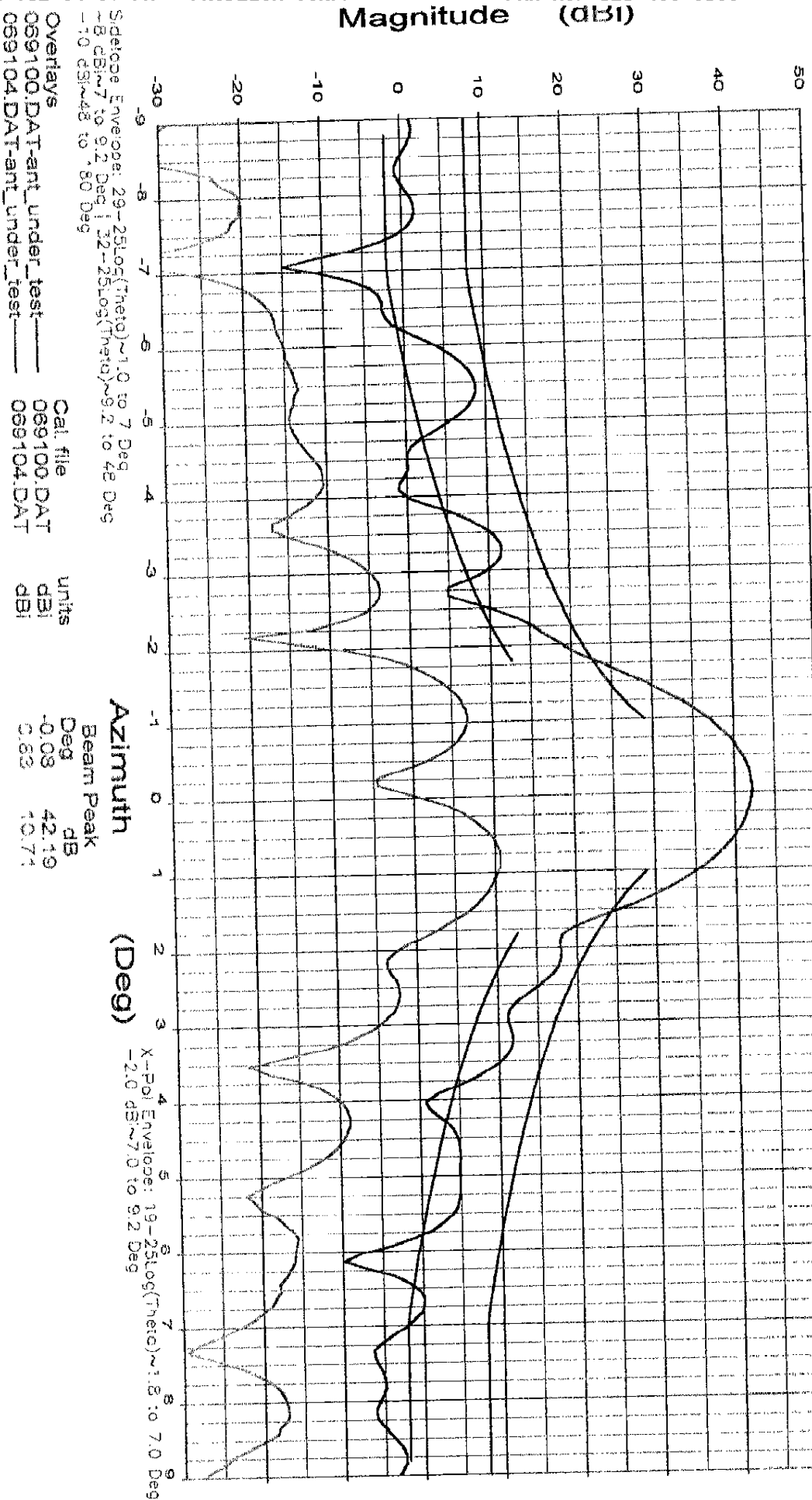
Prodelin Series 1134
1.2 Meter .8 f/d
Ku-Band Tx \ Rx Antenna System

Frequency : 12.200 GHz

Operator: Ken Poovey
er. no.:
channel: test

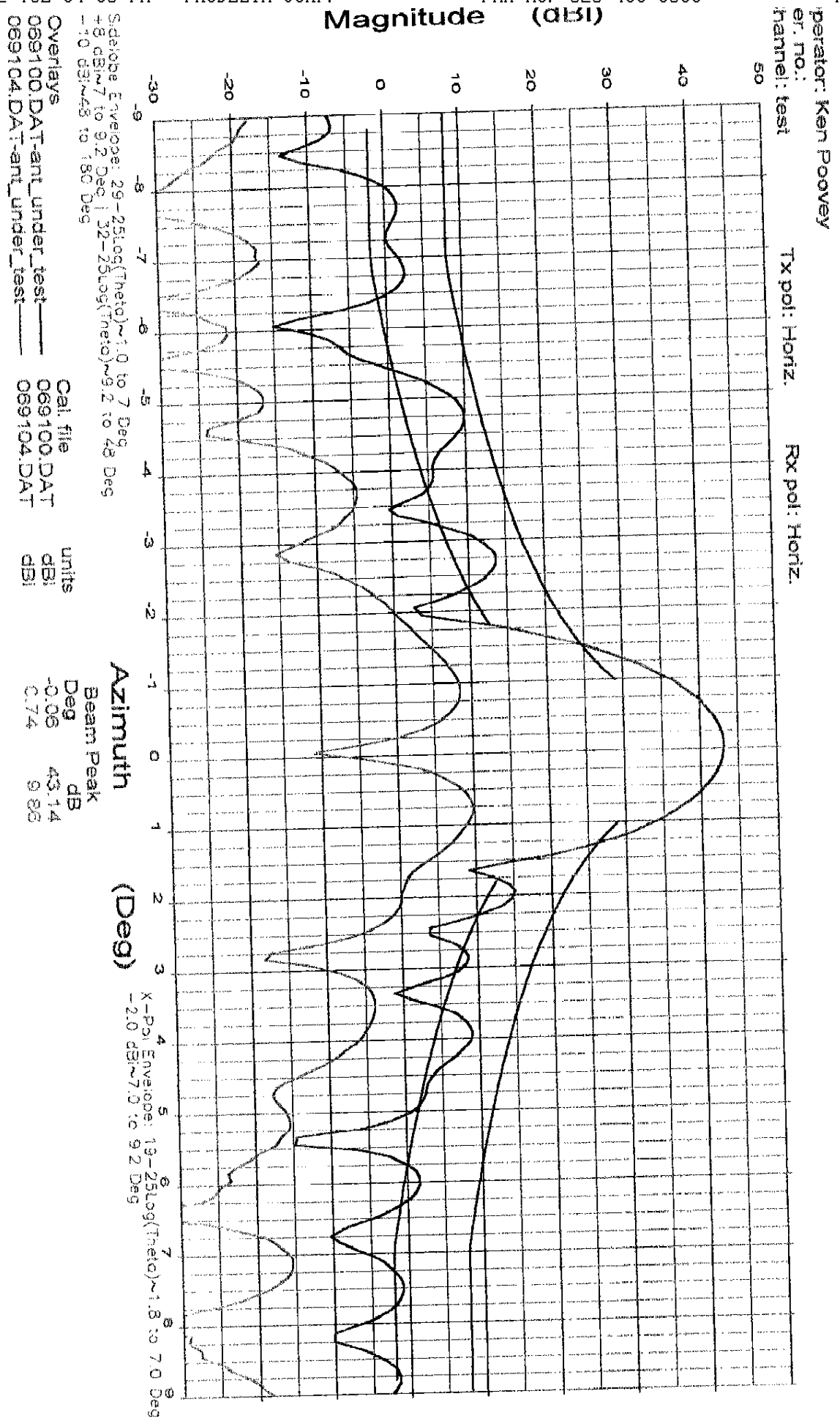
Tx pol: Horiz.

Rx pol: Horiz.



P. 25
le: See Legend
Operator: Ken Poovey
er. No.:
channel: test
Prodellin Series 1134
1.2 Meter .8 f/d
Ku-Band Tx \ Rx Antenna System

Frequency : 14.000 GHz



File: See Legend

Prodelin Series 1134
1.2 Meter .8 f/d
Ku-Band Tx \ Rx Antenna System

Frequency : 14.250 GHz

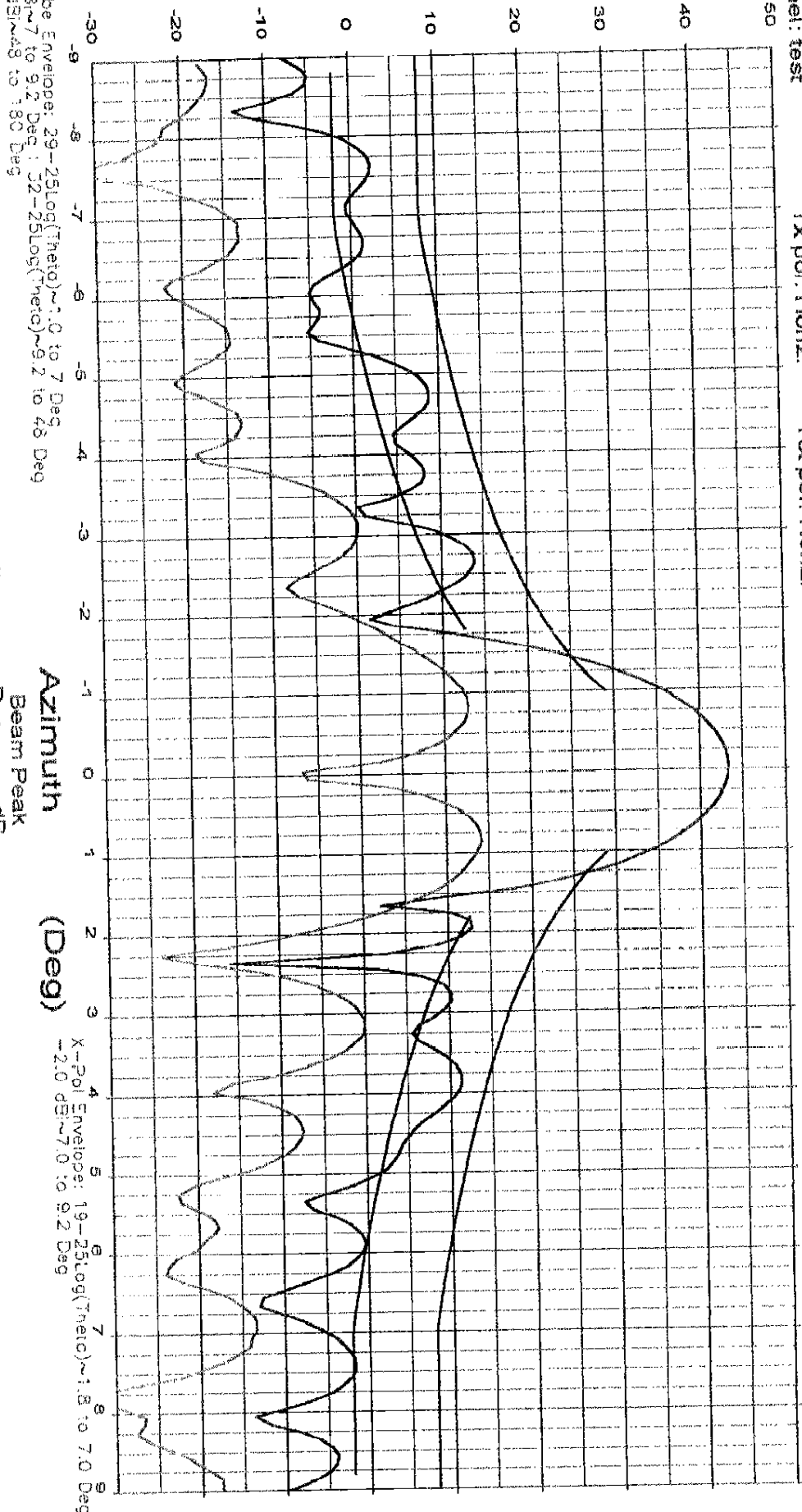
Operator: Ken Poovey

ser. no.:
channel: test

TX pol: Horiz.

Rx pol: Horiz.

Magnitude (dBi)



Azimuth

(Deg)

Scalobe Envelope: 29-25Log(Theta)~7.0 to 7 Deg
+8 dBi~7 to 9.2 Deg
-10 dBi~48 to 180 Deg

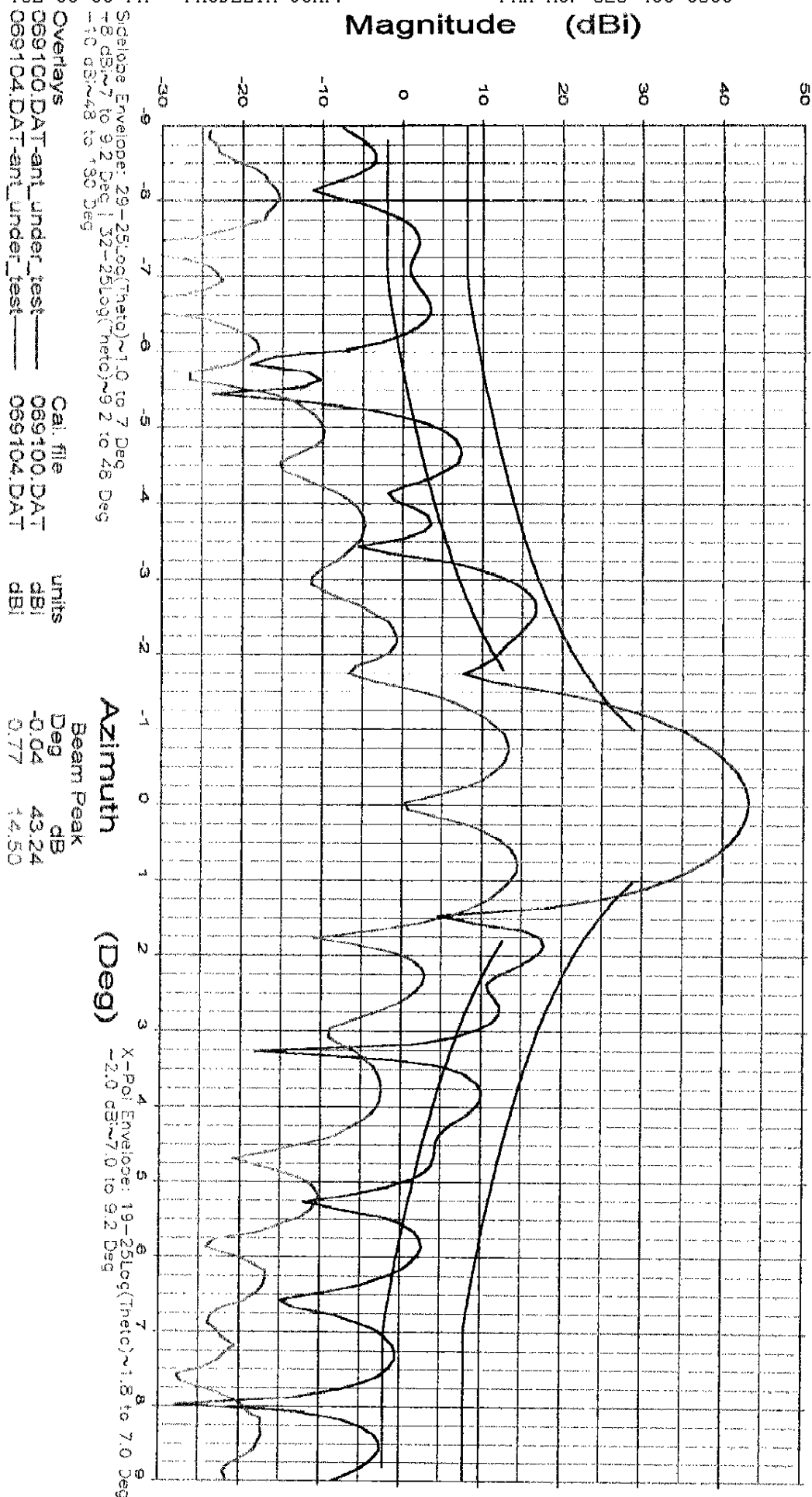
X-Pol Envelope: 19-25Log(Theta)~1.8 to 7.0 Deg
-2.0 dBi~7.0 to 9.2 Deg

Overlays
069100.DAT-ant_under_test
069104.DAT-ant_under_test

Cal file
069100.DAT
069104.DAT

units
dBi
dBi

Beam Peak
Deg
-0.05
0.00



P. 28
le: See Legend

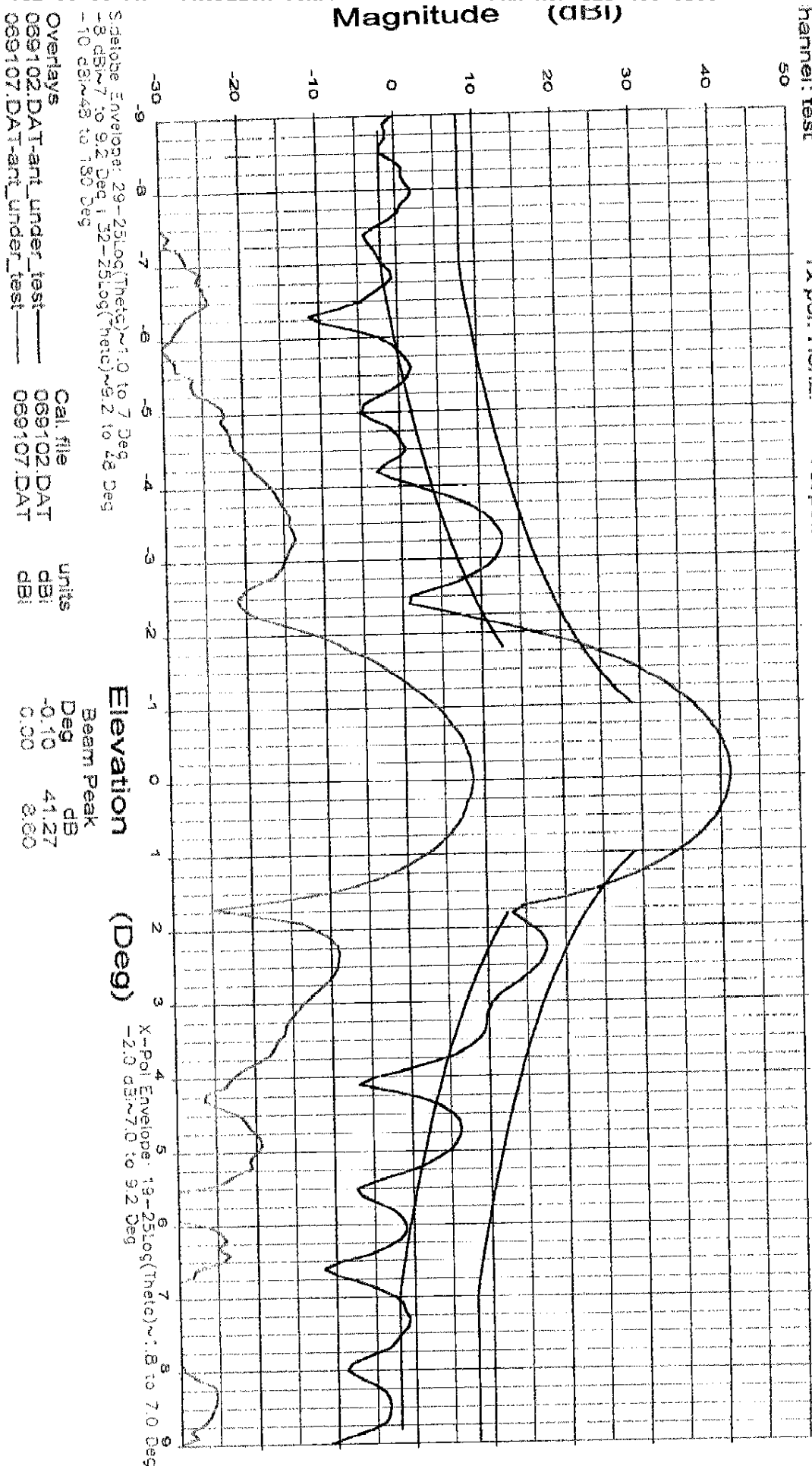
Prodalin Series 1134
1.2 Meter .8 f/d
Ku-Band Tx \ Rx Antenna System

Frequency : 11.700 GHz

Operator: Ken Poovey
er. no.:
channel: test

Tx pol: Horiz.

Rx pol: Horiz.



P. 29
 File: See Legend

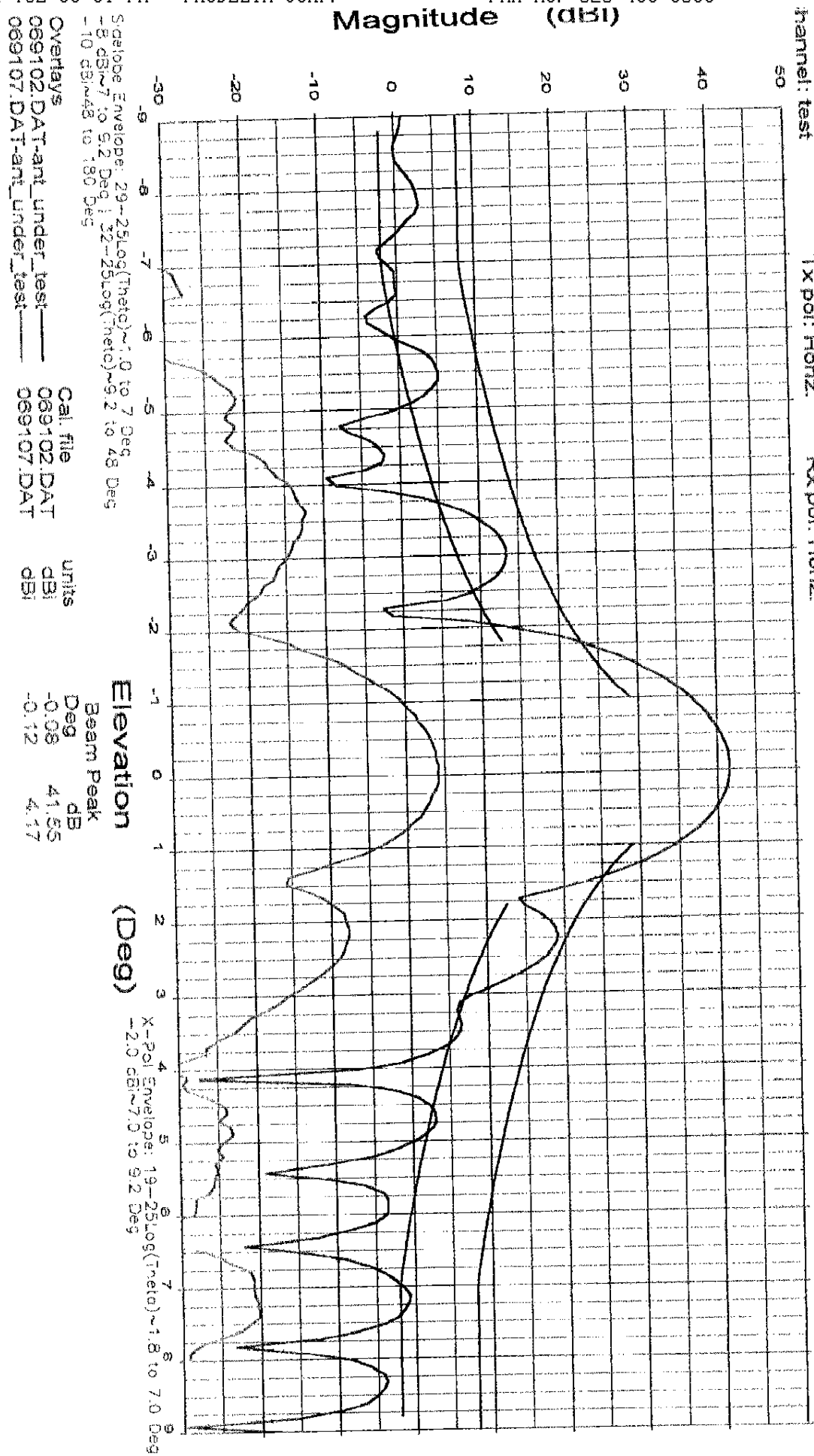
Prodelin Series 1134
 1.2 Meter .8 f/d
 Ku-Band Tx \ Rx Antenna System

Frequency : 11.950 GHz

Operator: Ken Poovey
 Ref. No.:
 Channel: test

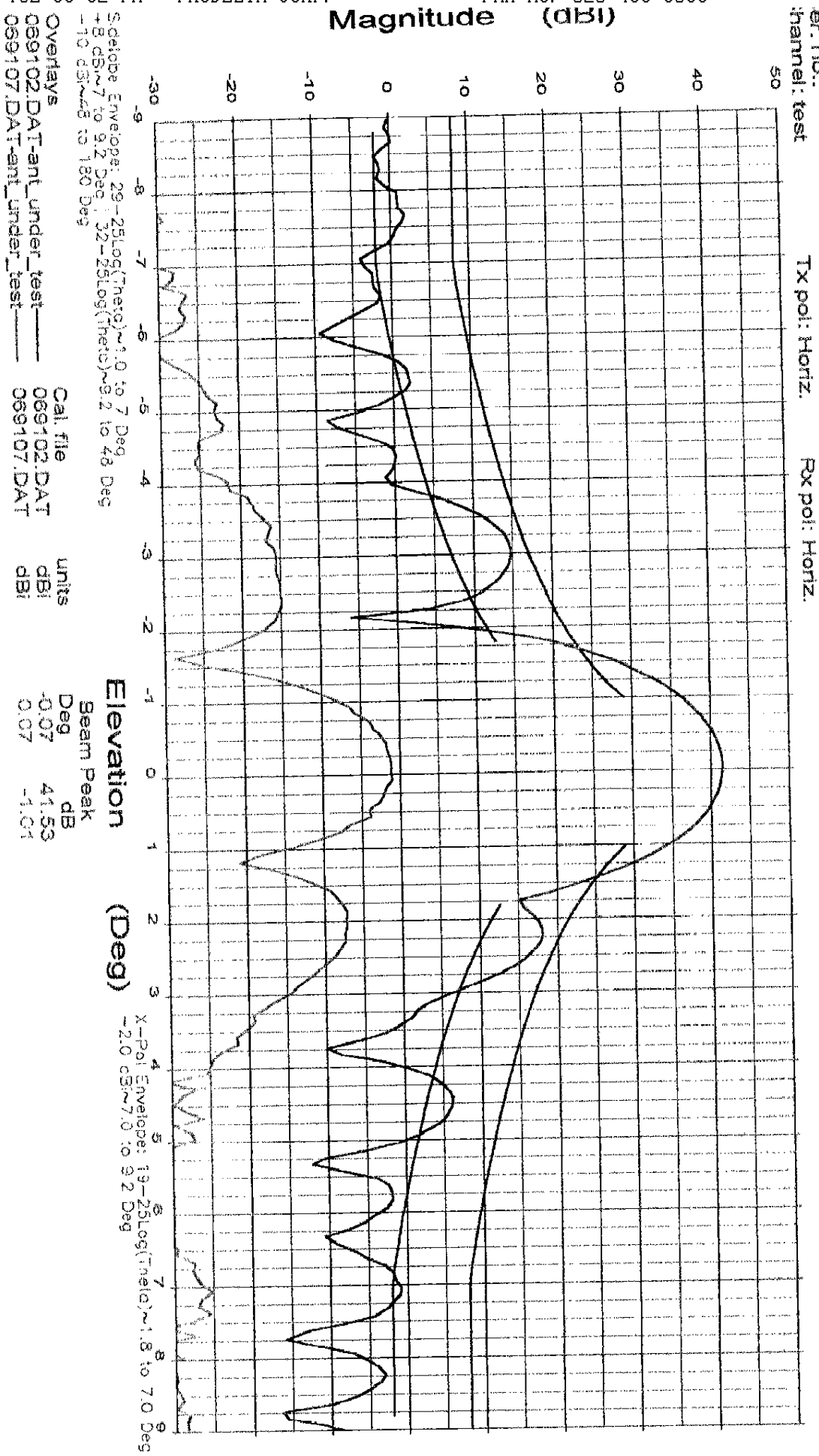
Tx pol: Horiz.

Rx pol: Horiz.



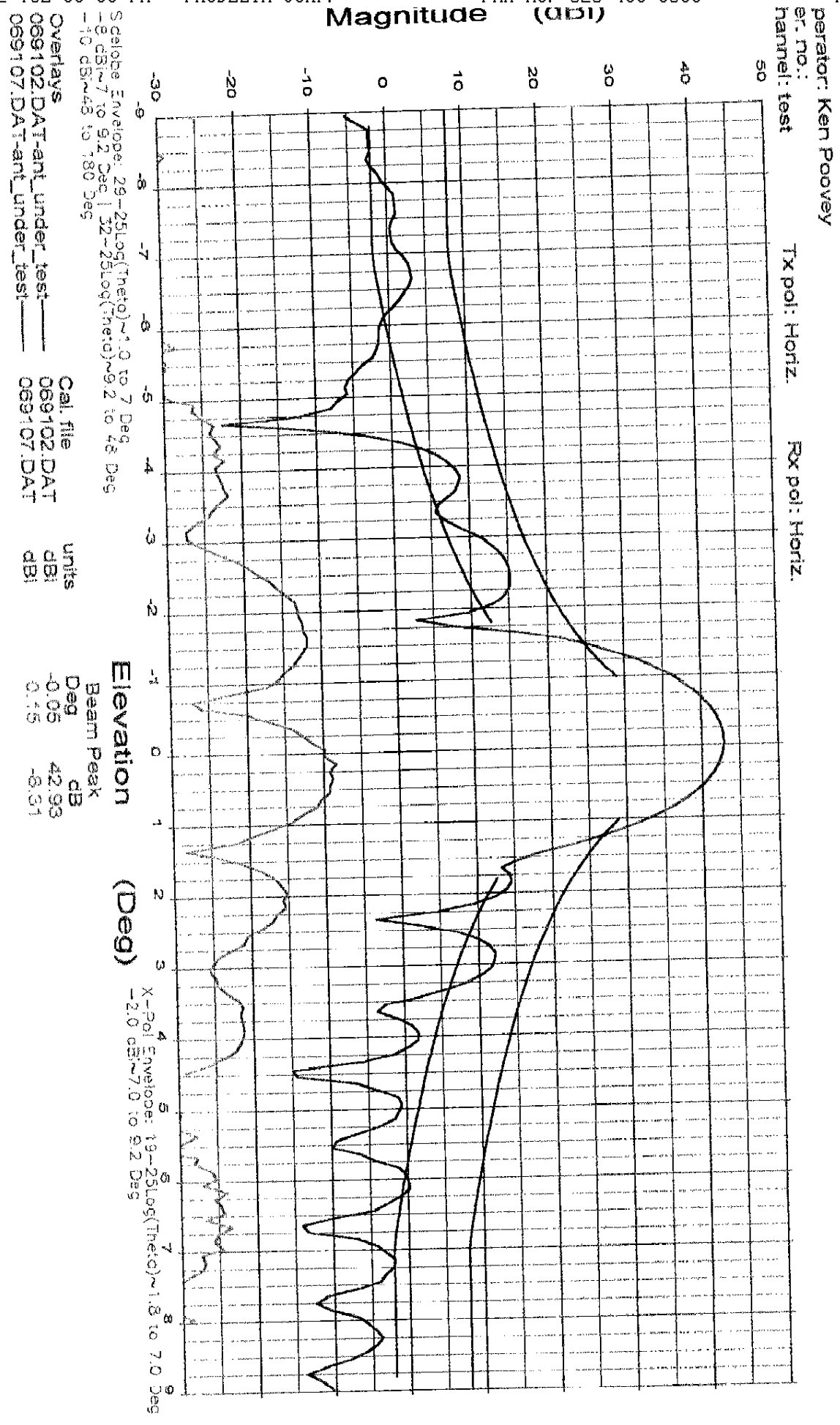
File: See Legend
 Operator: Ken Poovey
 Prodelin Series 1134
 1.2 Meter .8 f/d
 Ku-Band Tx \ Rx Antenna System

Frequency : 12.200 GHz



File: See Legend
 Operator: Ken Poovey
 1.2 Meter .8 f/d
 Ku-Band Tx \ Rx Antenna System

Frequency : 14.000 GHz

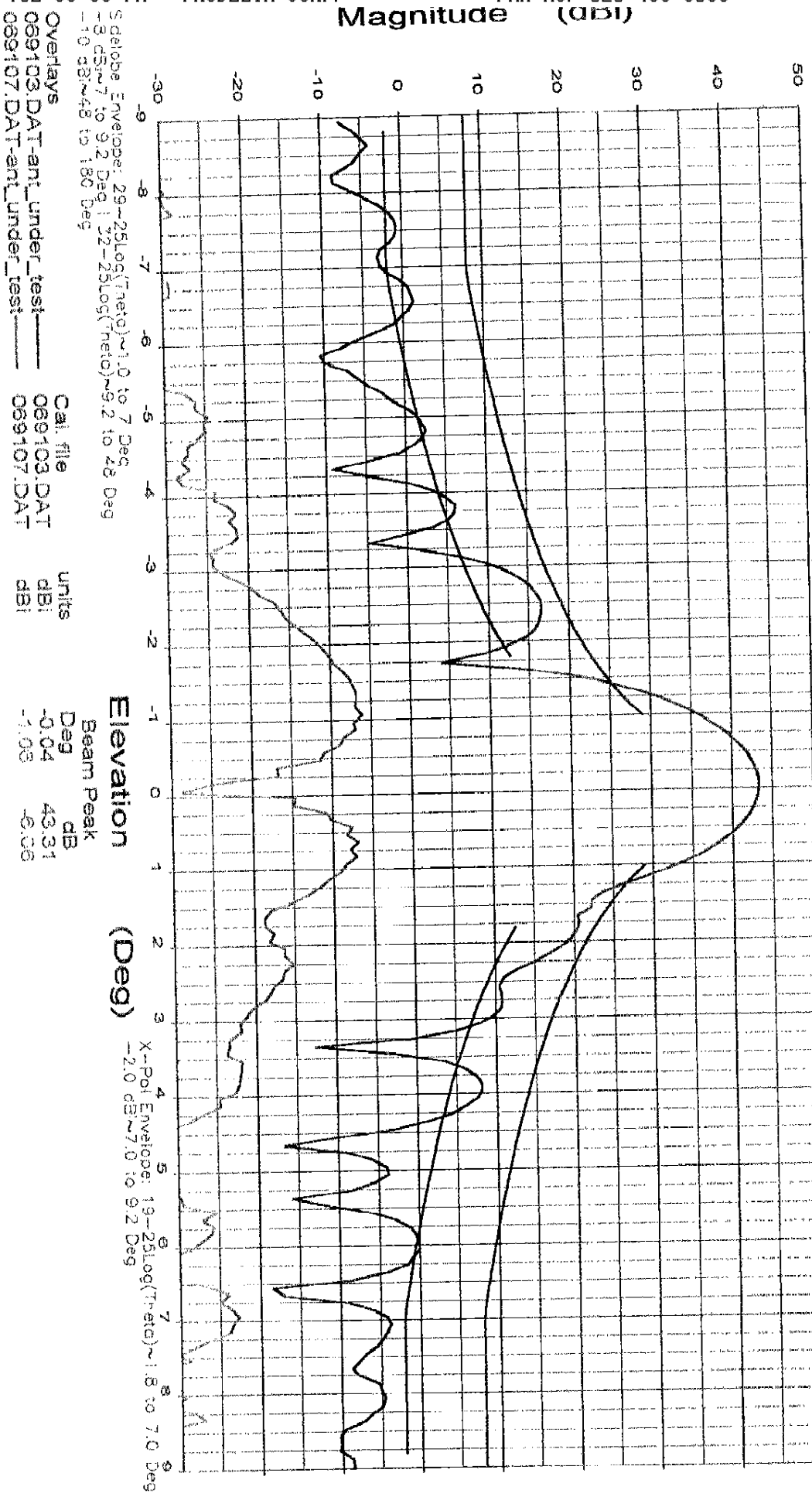


P. 32
Operator: Ken Poovey
ser. no.:
channel: test

Prodelin Series 1134
1.2 Meter .8 f/d
Ku-Band Tx \ Rx Antenna System

Frequency : 14.250 GHz

Tx pol: Horiz. Rx pol: Horiz.

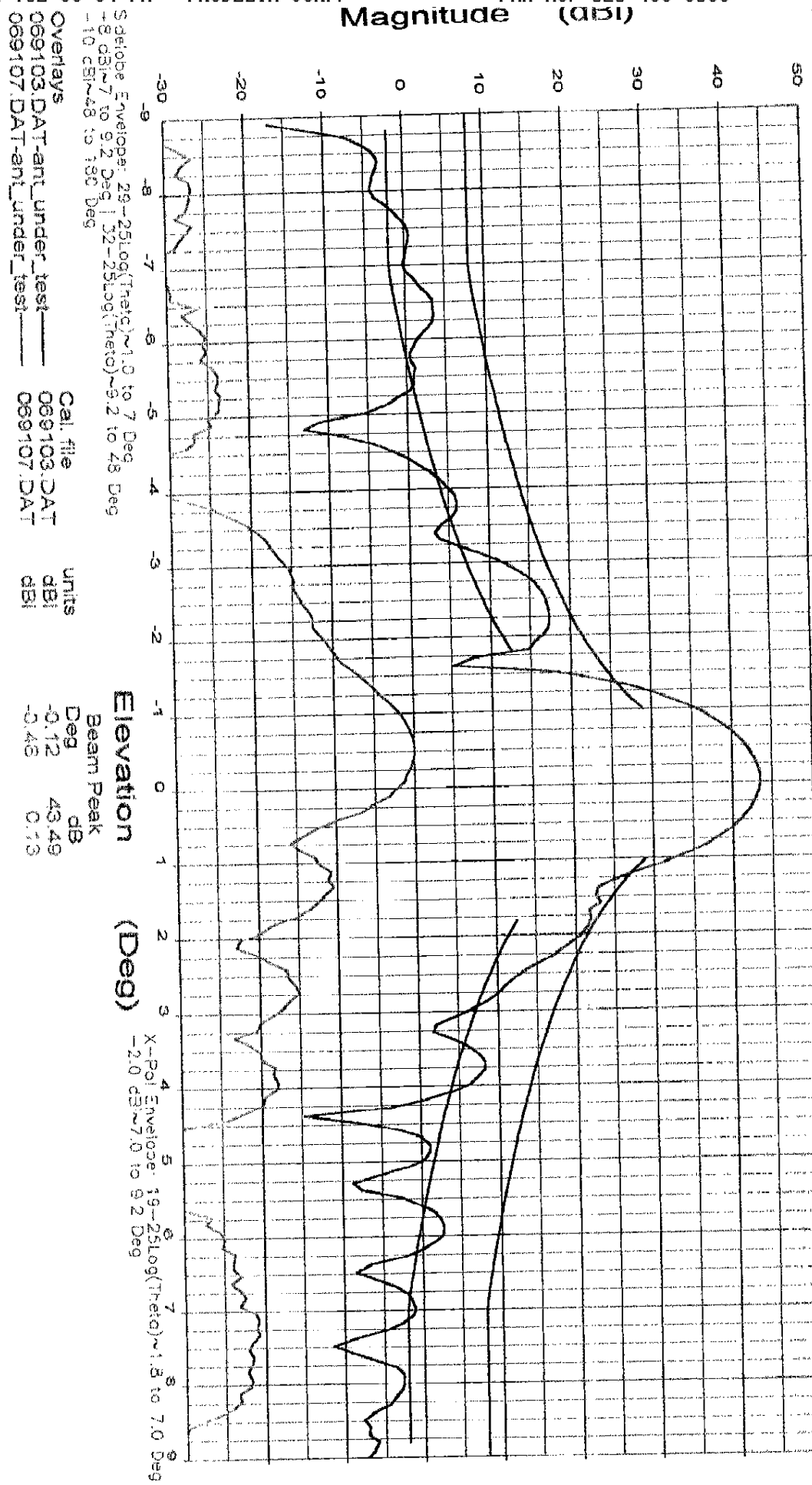


P. 33
 le: See Legend
 Operator: Ken Poovey
 er. no.:
 channel: test

Prodellin Series 1134
 1.2 Meter .8 f/d
 Ku-Band Tx \ Rx Antenna System

Frequency : 14.500 GHz

Tx pol: Horiz. Rx pol: Horiz.



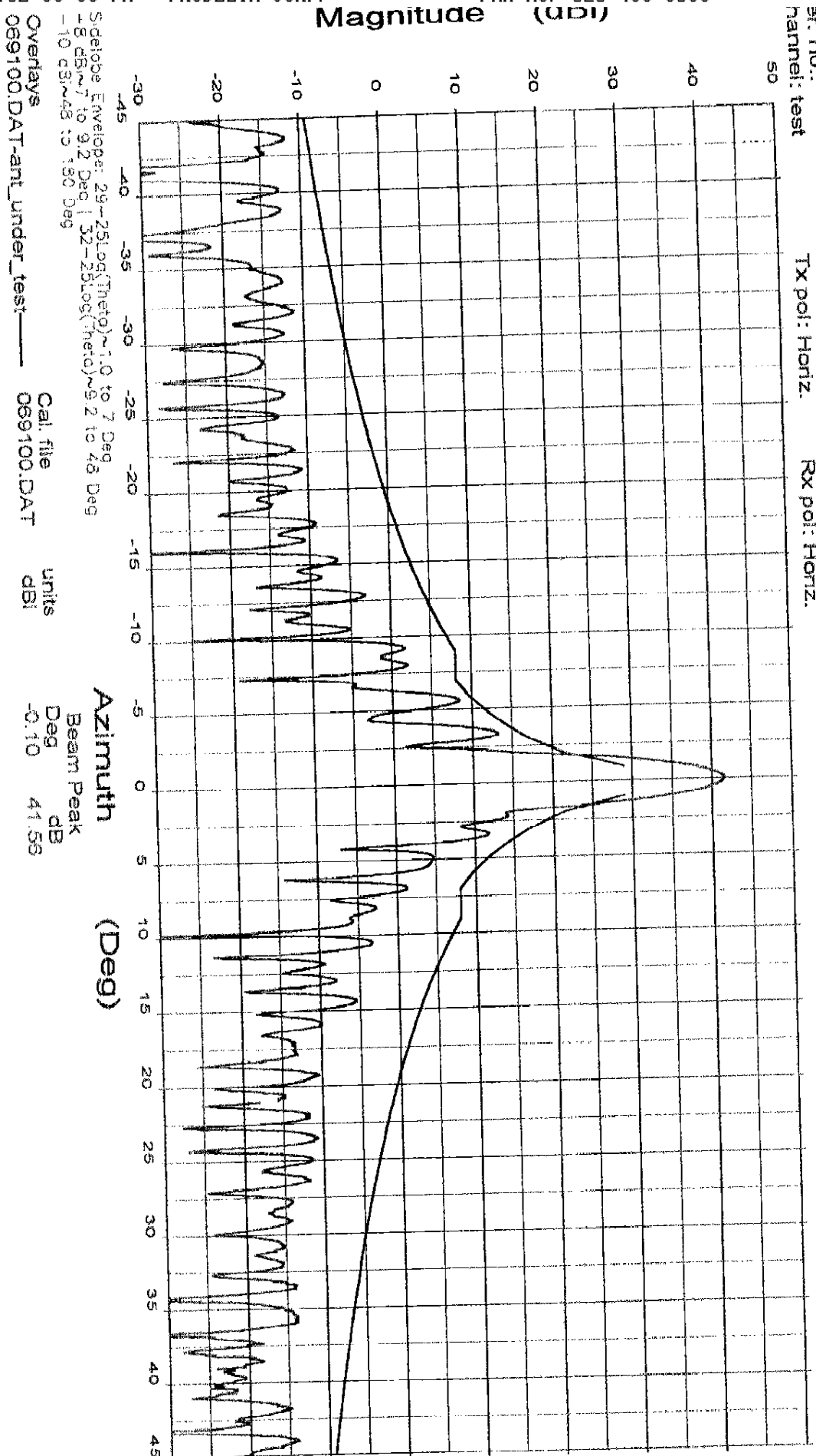
P. 34
 See Legend

Prodellin Series 1134
 1.2 Meter .8 f/d
 Ku-Band Tx \ Rx Antenna System

Frequency : 11.700 GHz

Operator: Ken Poovey
 Ref. No.:
 Channel: test

Tx pol: Horiz. Rx pol: Horiz.



P. 35 e: See Legend

Prodellin Series 1134
1.2 Meter .8 f/d
KU-Band TX \ Rx Antenna System

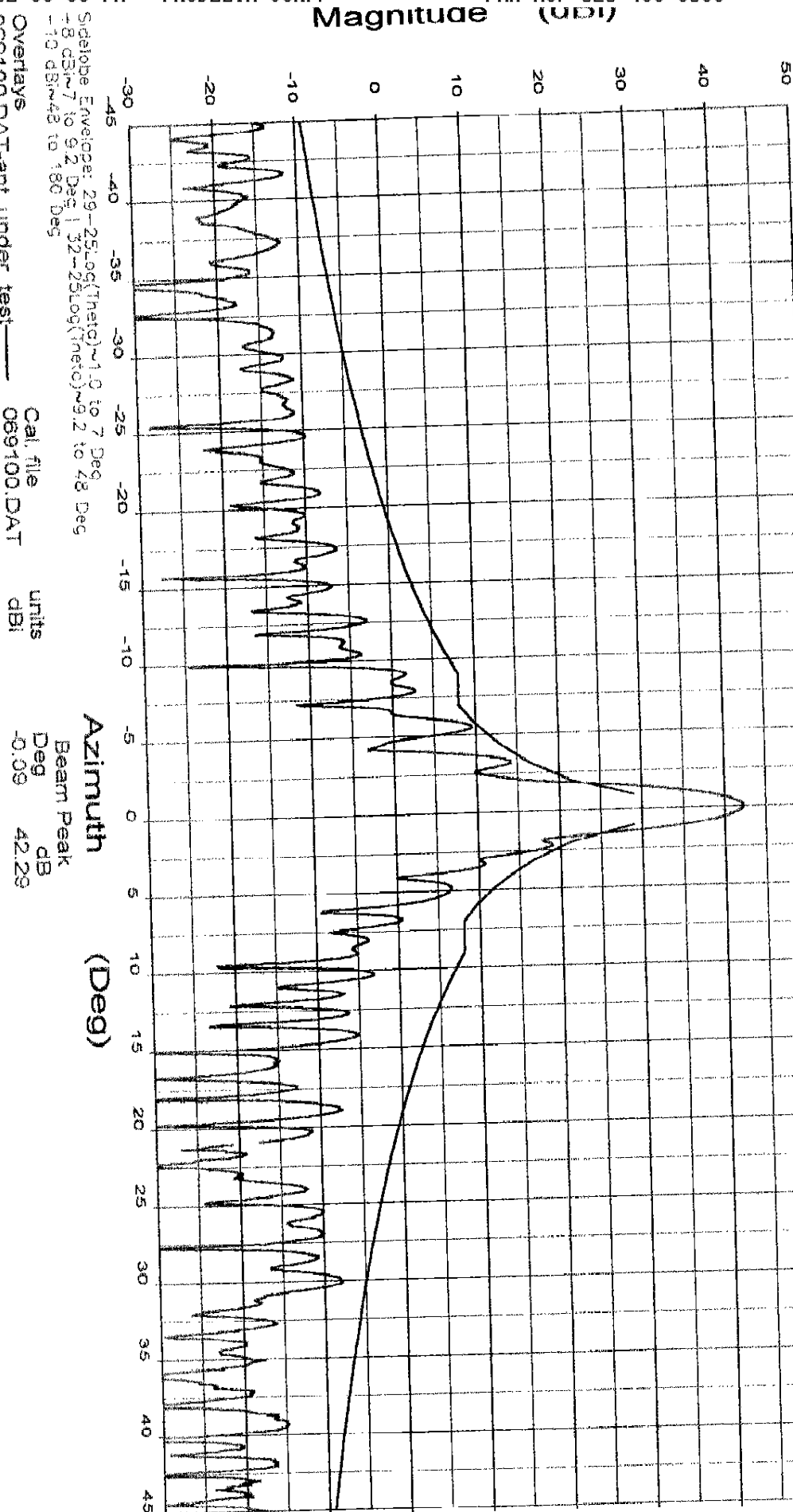
Frequency : 11.950 GHz

Operator: Ken Poovey

Ant. No.:
Channel: test

Tx pol: Horiz.

Rx pol: Horiz.



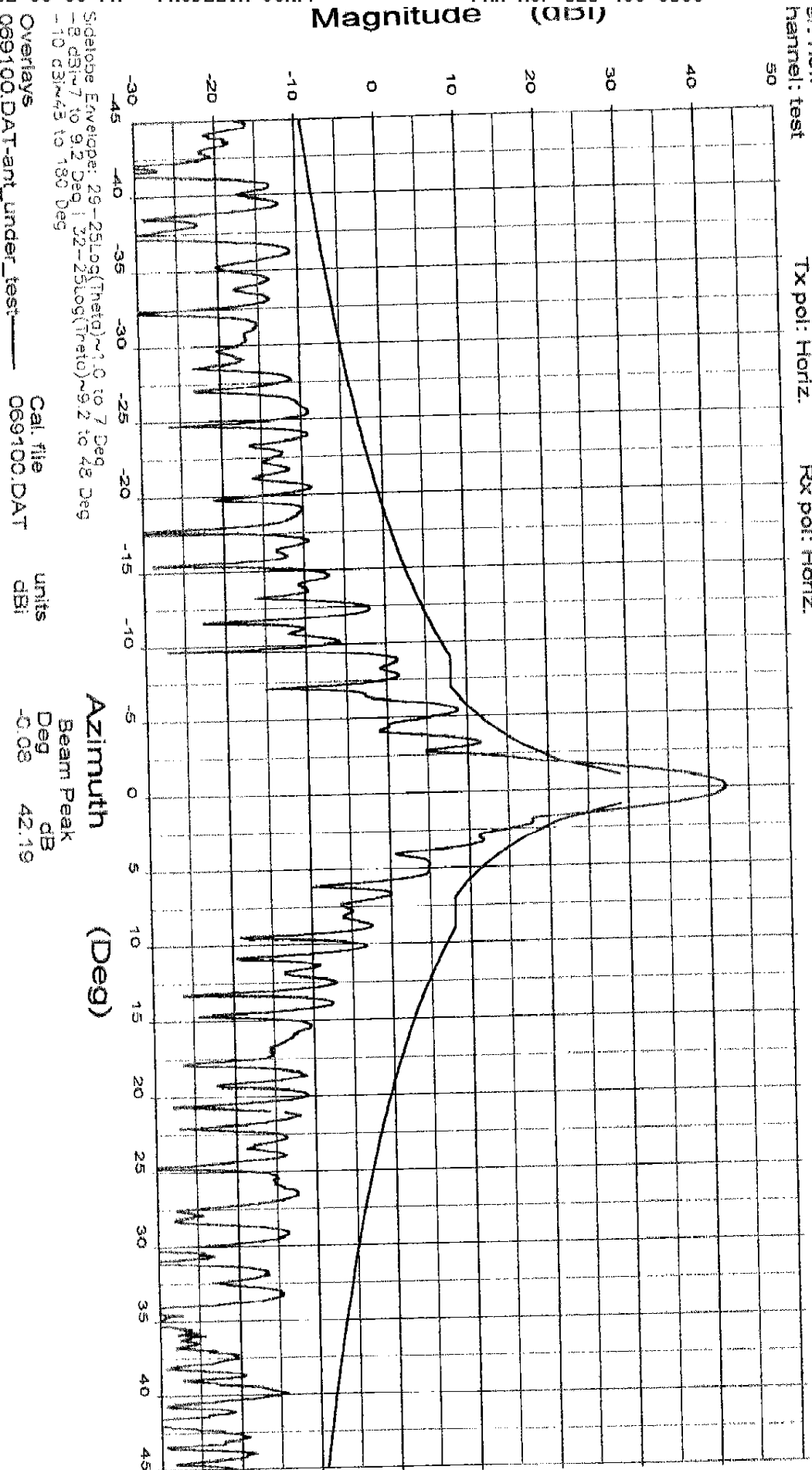
P. 36
le: See Legend

Prodellin Series 1134
1.2 Meter 8 t/d
Ku-Band Tx \ Rx Antenna System

Frequency : 12.200 GHz

Operator: Ken Poovey
ser. no.:
channel: test

Tx pol: Horiz. Rx pol: Horiz.



P. 37
See Legend

Prodelin Series 1134
1.2 Meter .8 ft/d
Ku-Band Tx \ Rx Antenna System

Frequency : 14.000 GHz

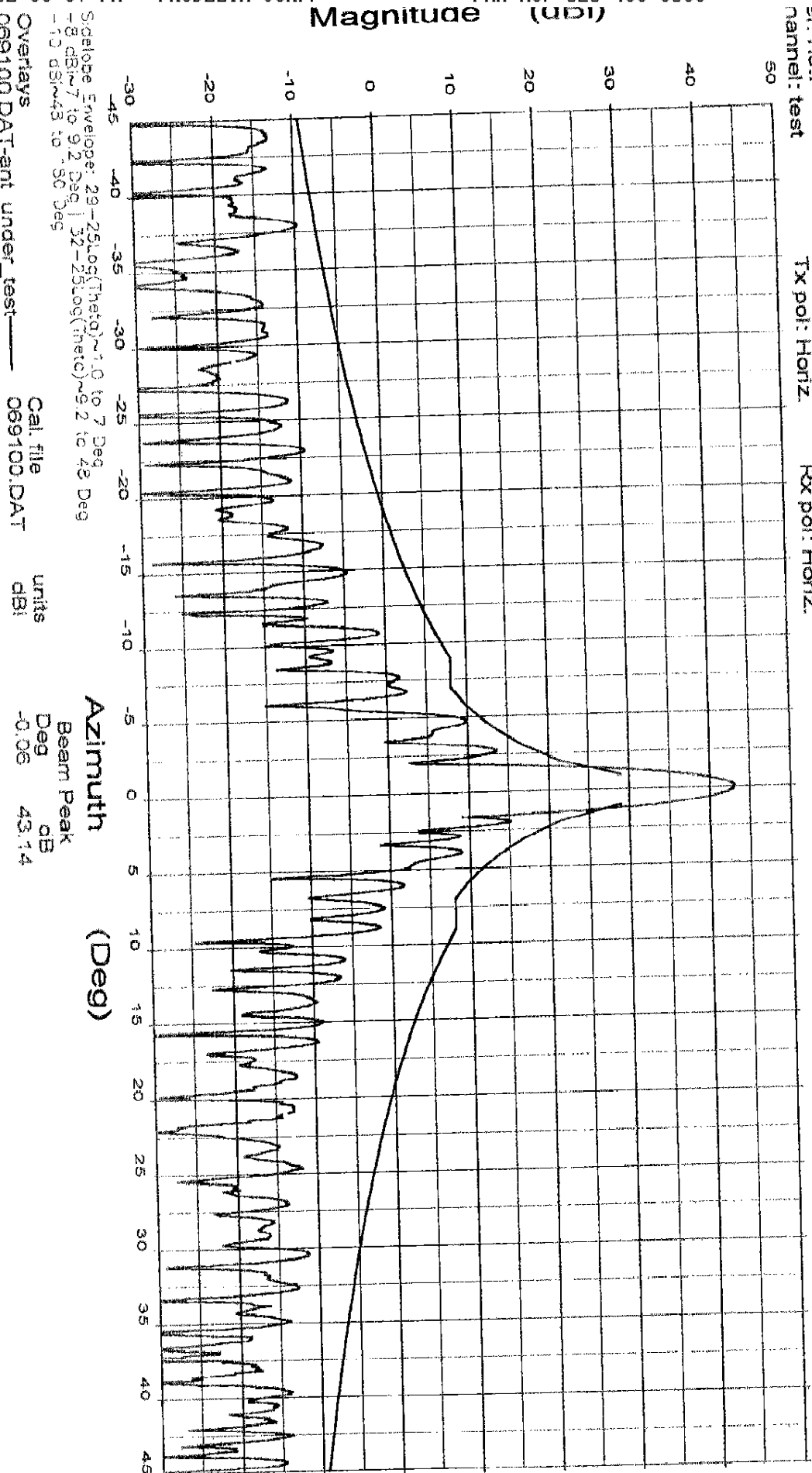
Operator: Ken Poovey

sr. no.:

channel: test

Tx pol: Horiz.

Rx pol: Horiz.



P. 38
e: See Legend

Prodelin Series 1134
1.2 Meter .8 f/d
Ku-Band Tx \ Rx Antenna System

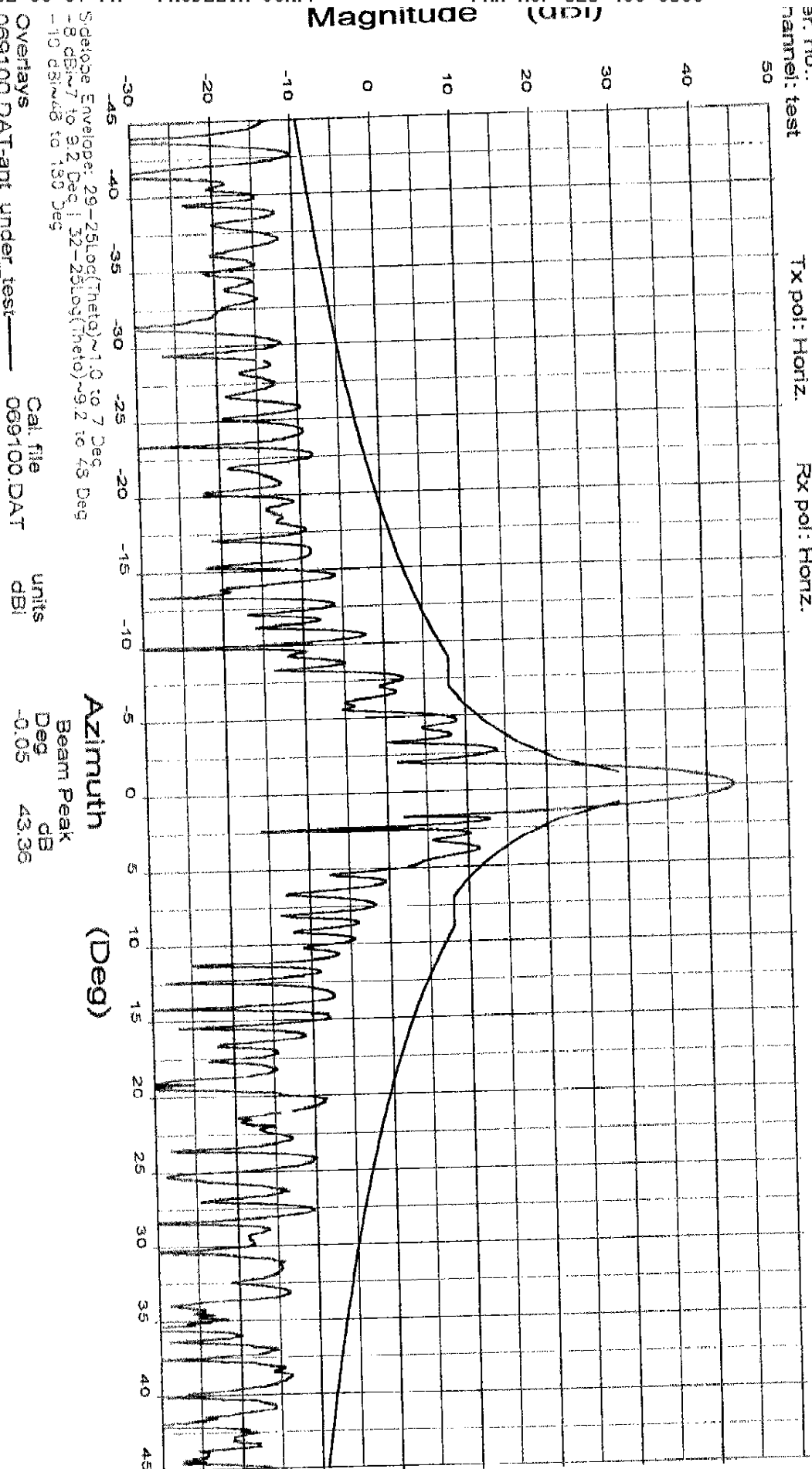
Frequency : 14.250 GHz

Operator: Ken Poovey

sr. no.:
channel: test

Tx pol: Horiz.

Rx pol: Horiz.



Scope Envelope: 29-25log(theta)~1.0 to 7 Deg
-8 dBm~7 to 32 Deg 1 32-25log(theta)~9.2 to 45 Deg
-10 dBm~48 to 130 Deg
Overlays
069100.DAT-ant_under_test

Cal file
069100.DAT

units
dB

Azimuth
Beam Peak
Deg dB
-0.05 43.36

P. 33
e: See Legend

Prodelin Series 1134
1.2 Meter .8 f/d
Ku-Band Tx \ Rx Antenna System

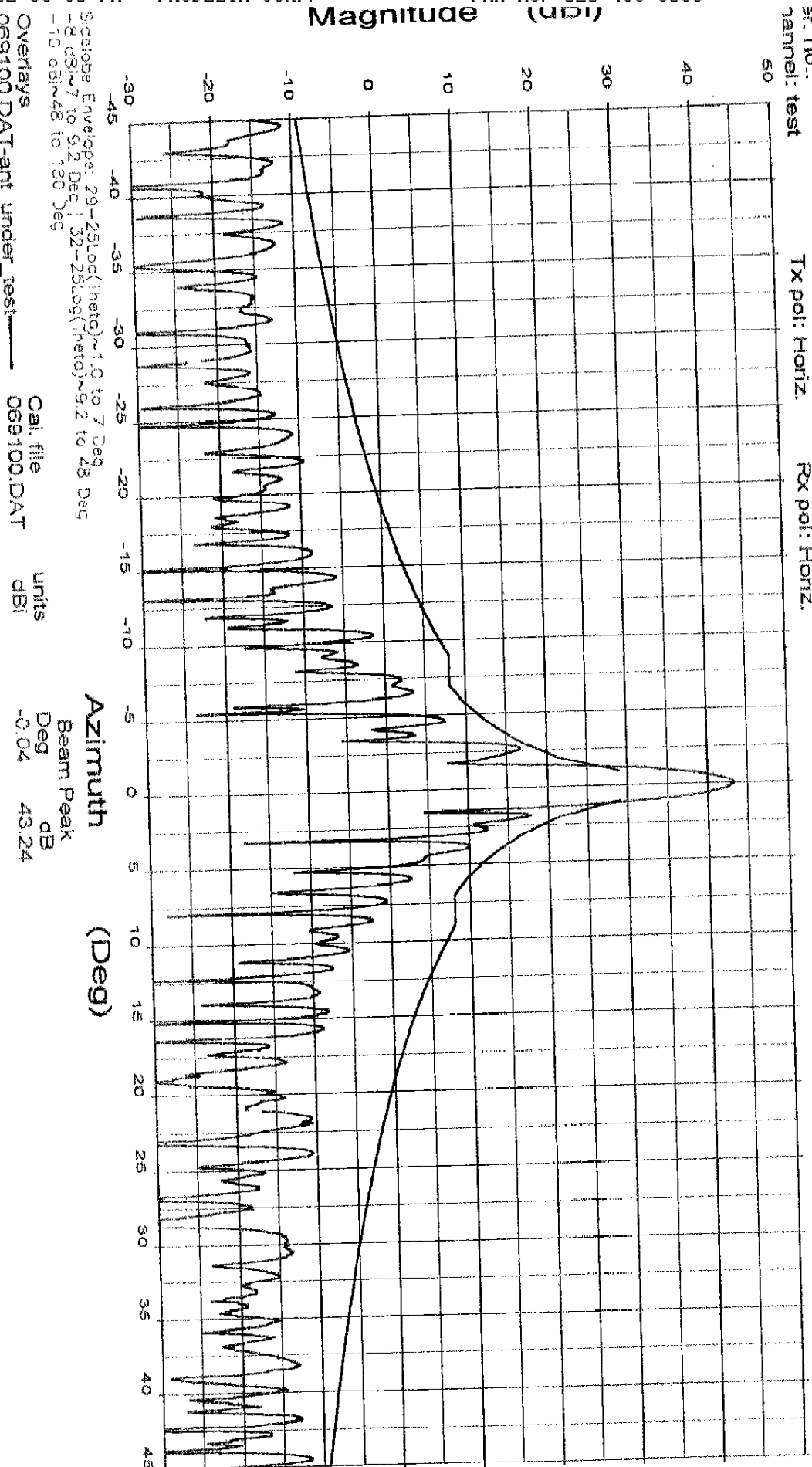
Frequency : 14.500 GHZ

Operator: Ken Poovey

sr. No.:
channel: test

Tx pol: Horiz.

Rx pol: Horiz.



P. 40
File: See Legend

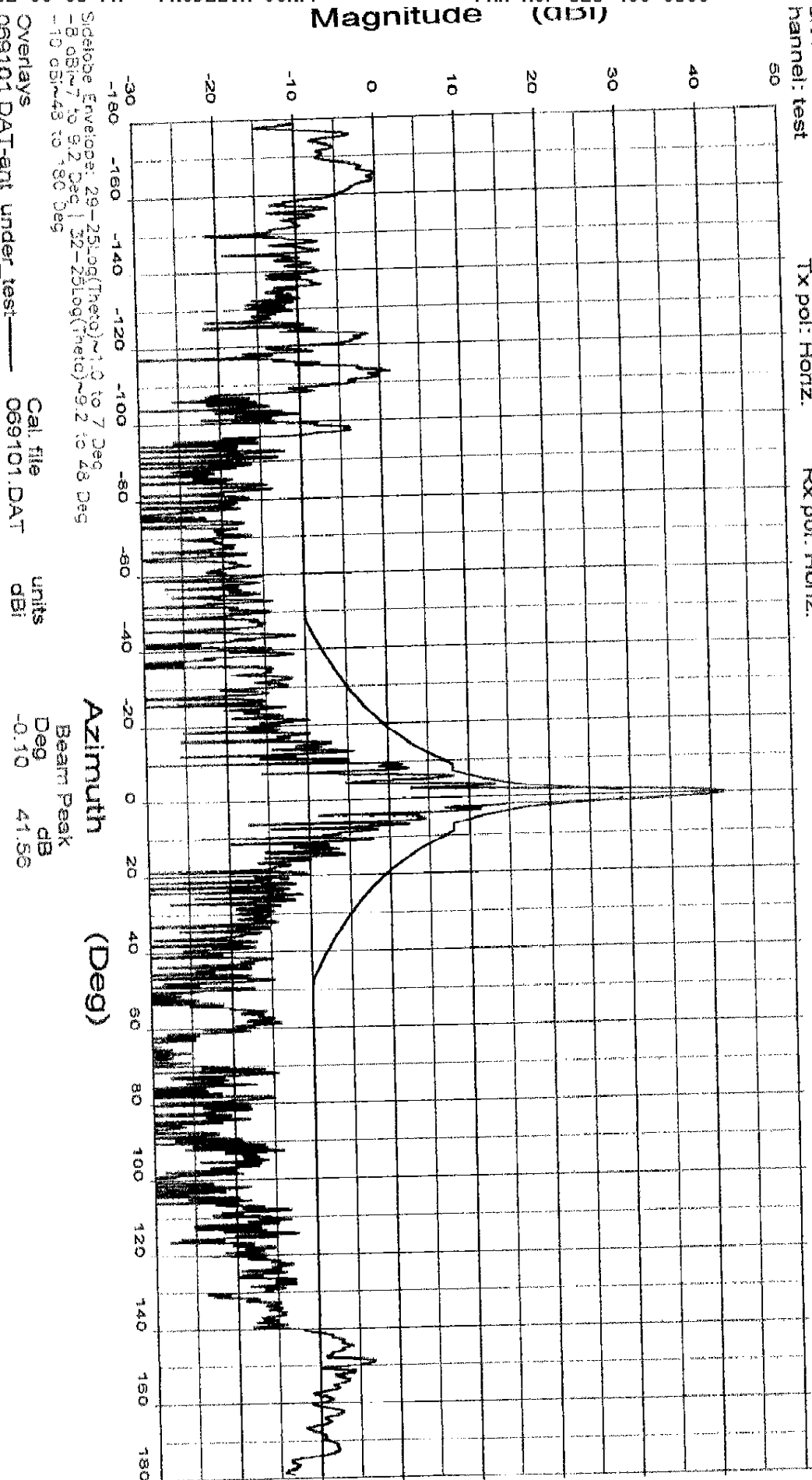
Prodelin Series 1134
1.2 Meter .8 t/d
Ku-Band TX \ Rx Antenna System

Frequency : 11.700 GHz

Operator: Ken Poovey
Ant. no.:
Channel: test

Tx pol: Horiz.

Rx pol: Horiz.



P. 41
See Legend

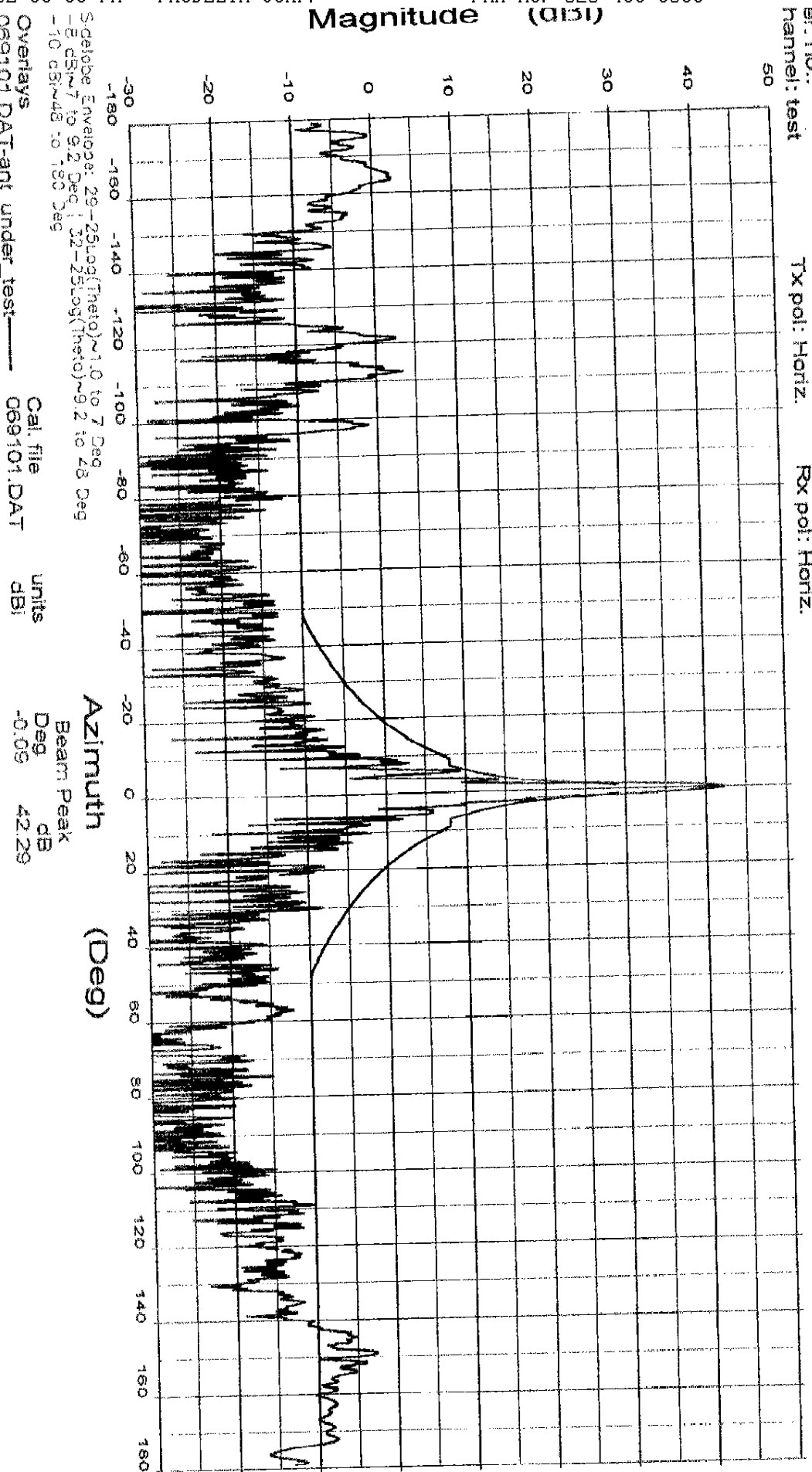
Prodellin Series 1134
1.2 Meter .8 f/d
Ku-Band Tx \ Rx Antenna System

Frequency : 11.950 GHz

Operator: Ken Poovey
ser. no.:
channel: test

Tx pol: Horiz.

Rx pol: Horiz.



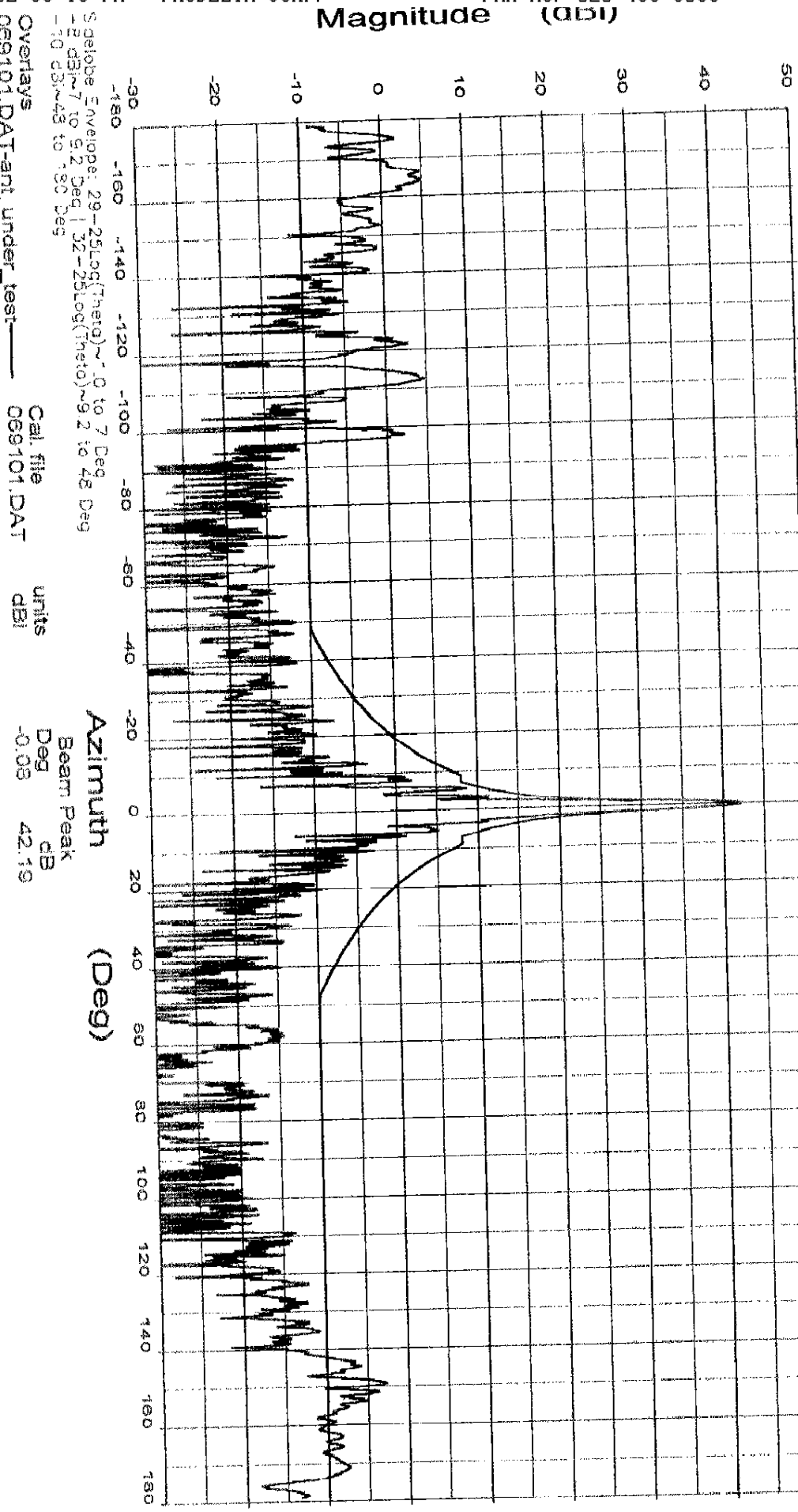
P. 4
 File: See Legend

Prodelin Series 1134
 1.2 Meter .8 f/d
 Ku-Band Tx \ Rx Antenna System

Frequency : 12.200 GHz

Operator: Ken Poovey
 Sr. No.:
 Channel: test

Tx pol: Horiz. Rx pol: Horiz.



P. 43
e: See Legend

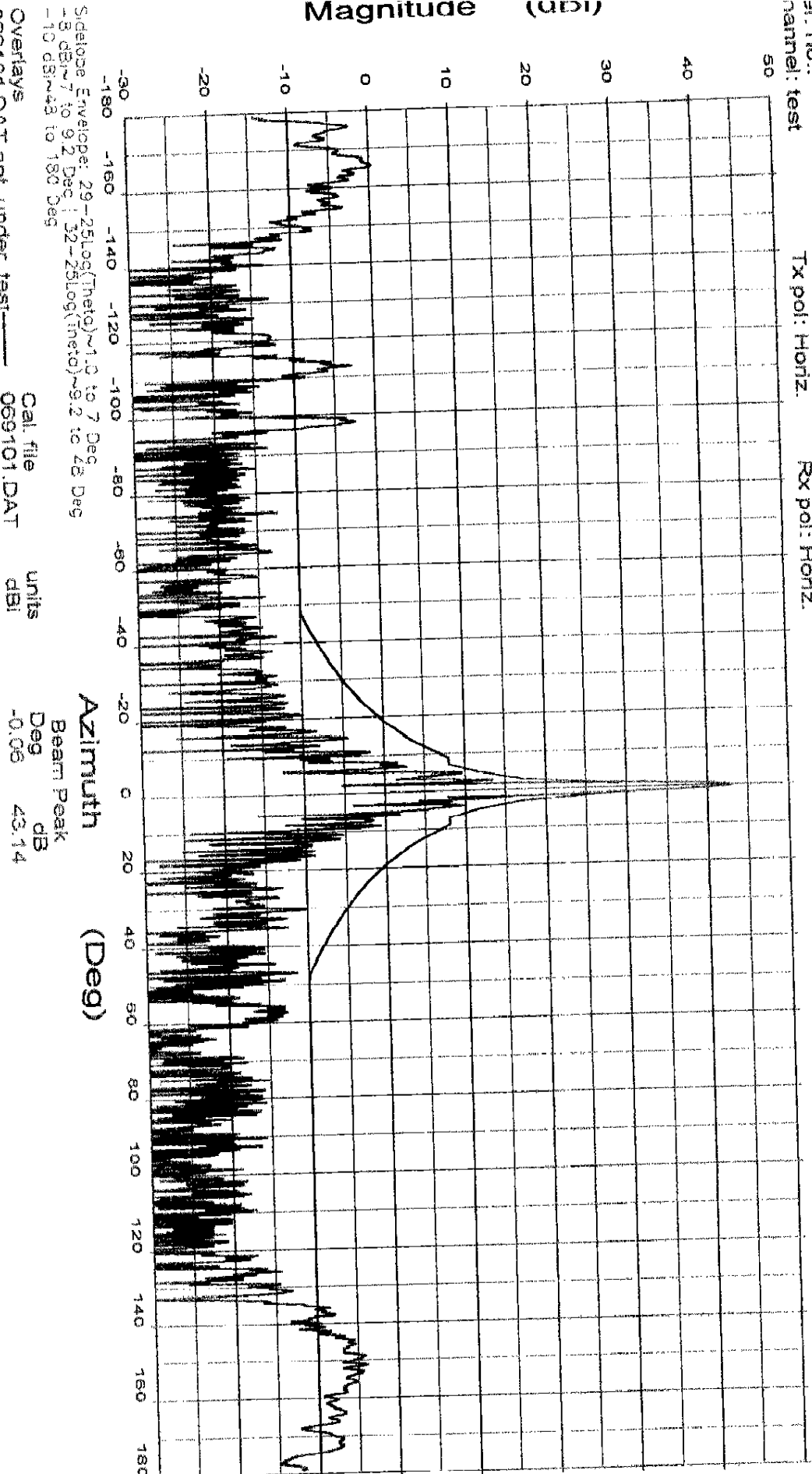
Prodellin Series 1134
1.2 Meter .8 f/d
Ku-Band Tx \ Rx Antenna System

Frequency : 14.000 GHz

Operator: Ken Poovey
sr. no.:
channel: test

Tx pol: Horiz.

Rx pol: Horiz.



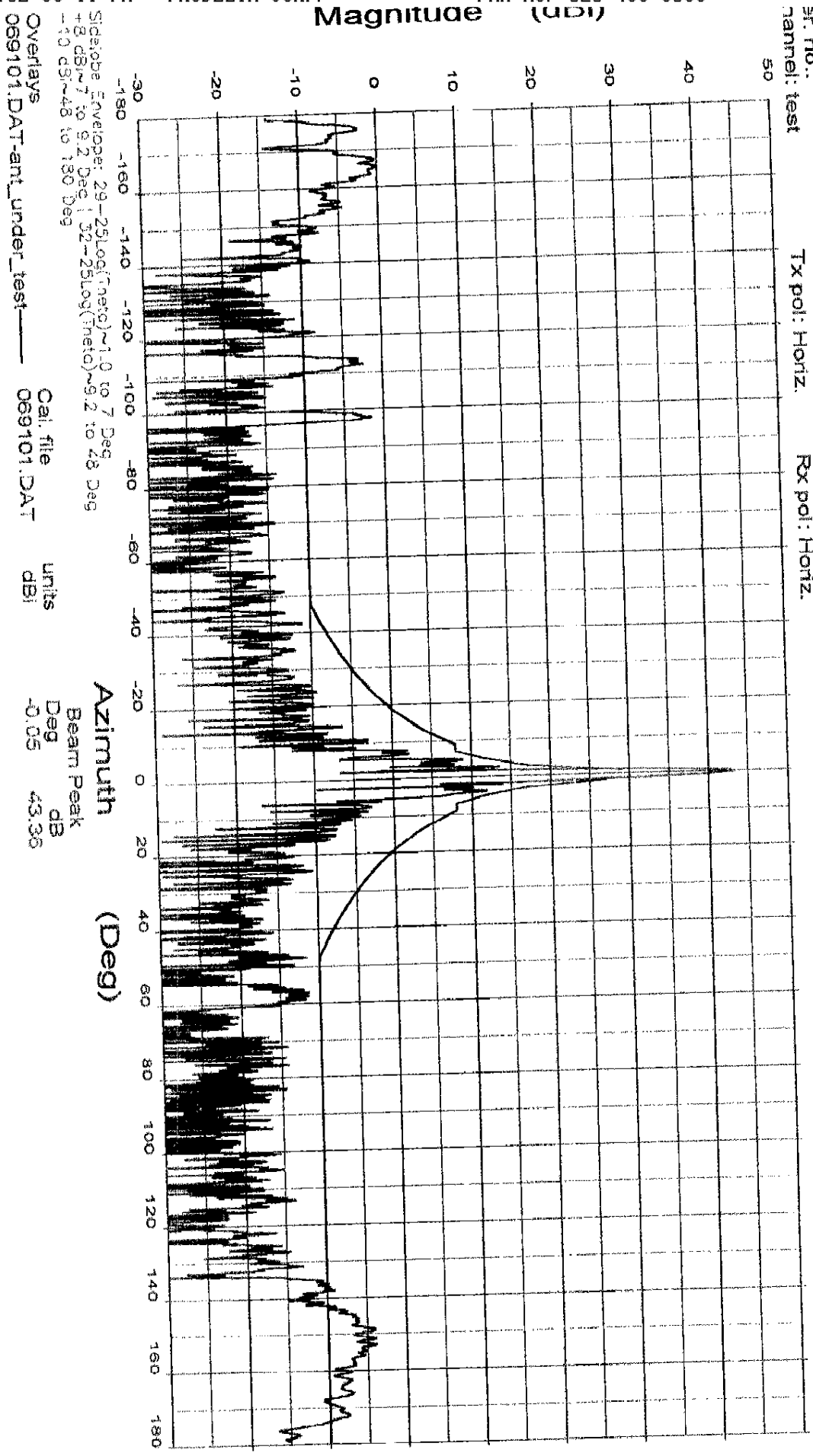
P. 44
e: See Legend

Prodellin Series 1134
1.2 Meter .8 f/d
Ku-Band Tx \ Rx Antenna System

Frequency : 14.250 GHz

Operator: Ken Poovey
Sf. No.:
Channel: test

Tx pol: Horiz. Rx pol: Horiz.



P. 45
file: See Legend

Prodelin Series 1134
1.2 Meter .8 t/d
Ku-Band TX \ Rx Antenna System

Frequency : 14.500 GHz

Operator: Ken Poovey
Ser. no.:
Channel: test

Tx pol: Horiz.

Rx pol: Horiz.

