

PRODELIN
CORPORATION

Prodelin Corporation

Riverbend Antenna Range
7945 Riverbend Road
Claremont NC 28610

Test No. 0645

**Prodelin 2.4 Meter
4-Piece
Receive / Transmit
Offset Antenna System**

C-Band Linear

This package contains original patterns
(Sidelobe envelope extends to 1° for FCC acceptance)



Transmit Patterns

File: See Legend

Prodelin 2.4M 4-Pc
Receive / Transmit
Offset Antenna System
C-Band Linear

Frequency : 5.845 GHz

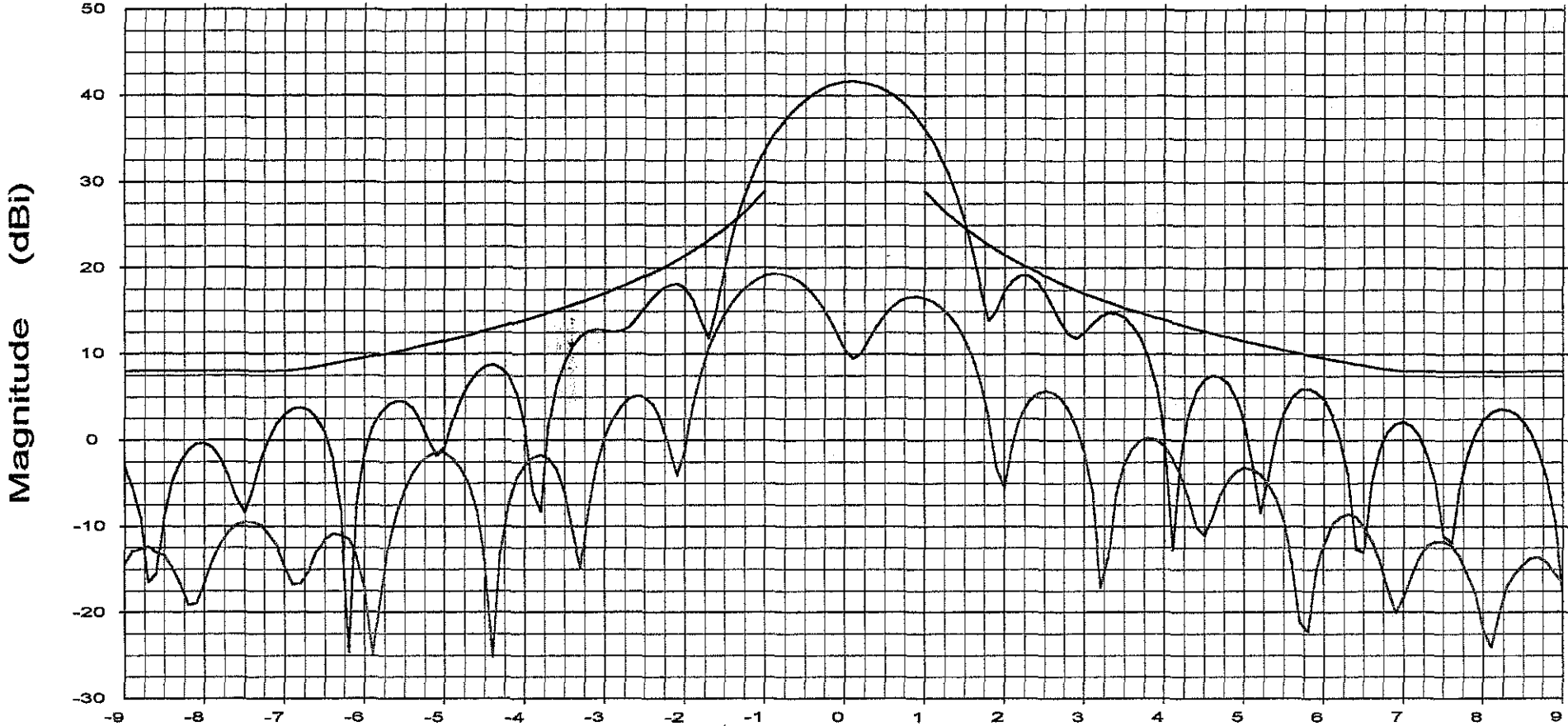
Operator: Ken Poovey

Ser. no.:

Channel: test

Tx pol: Vert.

Rx pol: Vert.



Sidelobe Envelope: $29 - 25 \log(\theta) \sim 100 \lambda / D$ to 7 Deg
 8 dBi ~ 7 to 9.2 Deg | $32 - 25 \log(\theta) \sim 9.2$ to 48 Deg
 -10 dBi ~ 48 to 180 Deg

Azimuth (Deg)

Overlays

064532.DAT-ant_under_test

Cal. file

064532.DAT

units

dBi

Beam Peak

Deg

dB

0.10

41.64

064536.DAT-ant_under_test

064536.DAT

dBi

-0.80

19.28

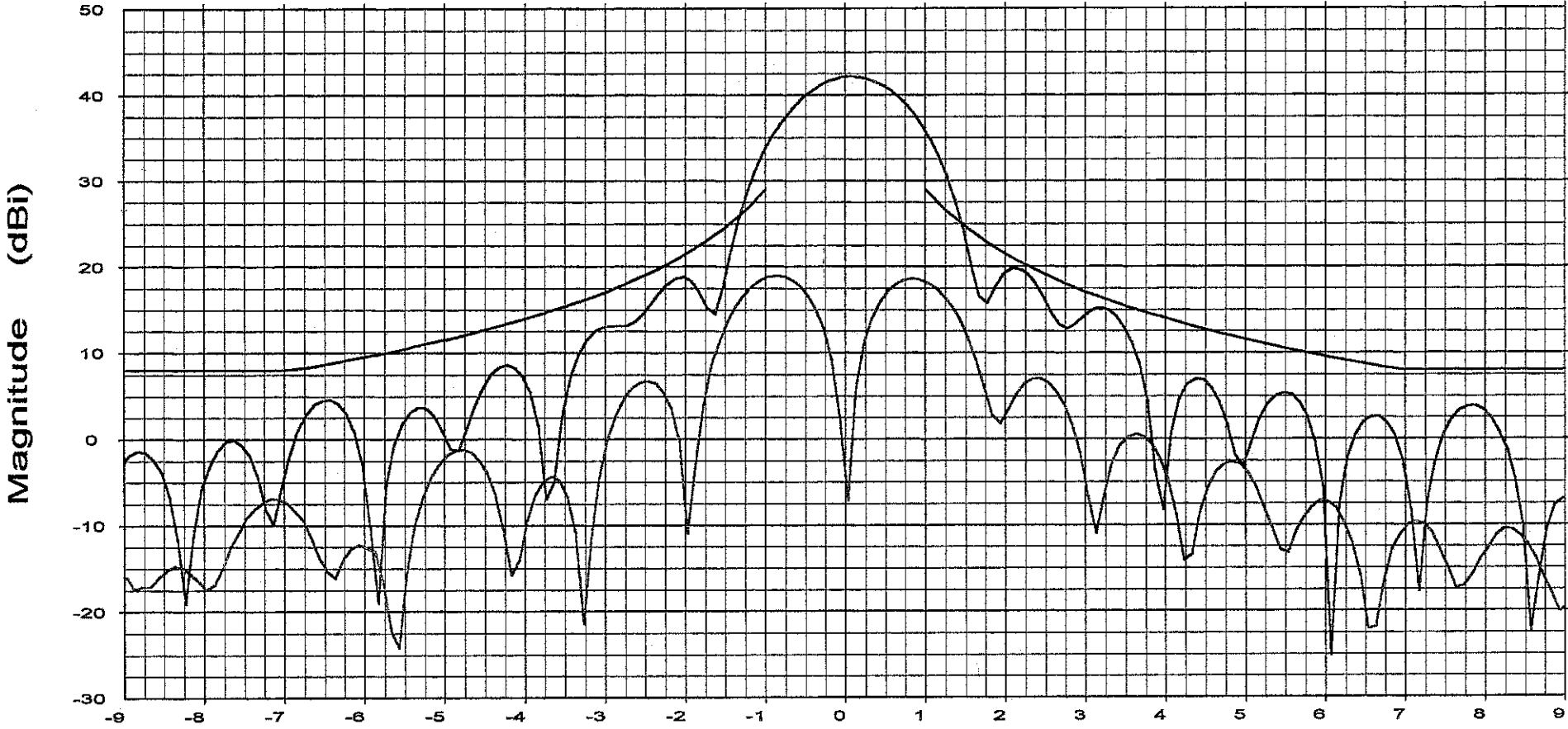
File: See Legend

Prodelin 2.4M 4-Pc
Receive / Transmit
Offset Antenna System
C-Band Linear

Frequency : 6.138 GHz

Operator: Ken Poovey
Ser. no.:

Channel: test Tx pol: Vert. Rx pol: Vert.



Sidelobe Envelope: $29 - 25 \log(\theta) \sim 100 \lambda / D$ to 7 Deg
 8 dBi ~ 7 to 9.2 Deg | $32 - 25 \log(\theta) \sim 9.2$ to 48 Deg
 -10 dBi ~ 48 to 180 Deg

Overlays	Cal. file	units
064532.DAT-ant_under_test	064532.DAT	dBi
064536.DAT-ant_under_test	064536.DAT	dBi

Azimuth (Deg)

Beam Peak	
Deg	dB
0.07	42.14
-0.87	18.92

File: See Legend

Prodelin 2.4M 4-Pc
Receive / Transmit
Offset Antenna System
C-Band Linear

Frequency : 6.425 GHz

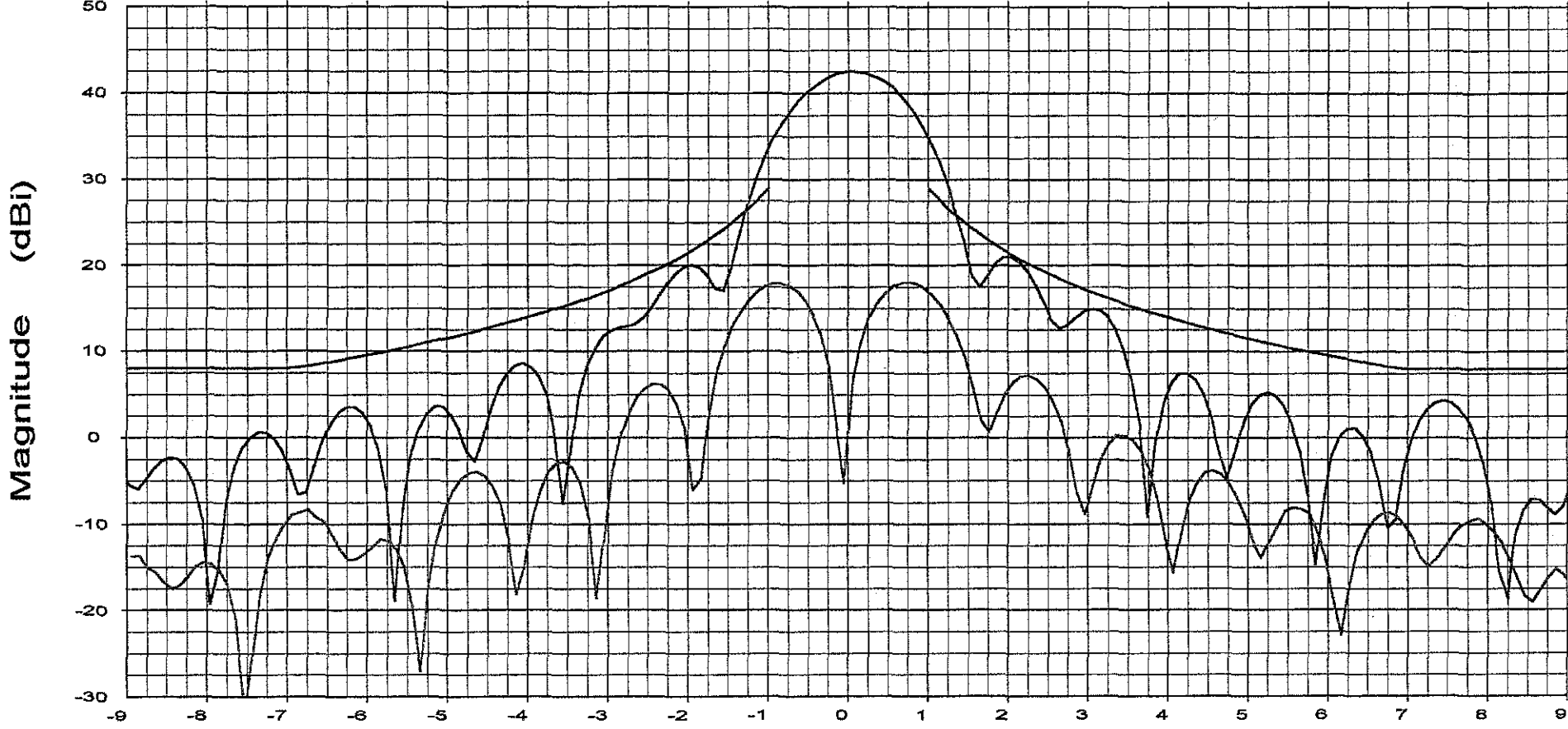
Operator: Ken Poovey

Ser. no.:

Channel: test

Tx pol: Vert.

Rx pol: Vert.



Sidelobe Envelope: $29 - 25 \log(\theta) \sim 100 \lambda / D$ to 7 Deg
 8 dBi ~ 7 to 9.2 Deg | $32 - 25 \log(\theta) \sim 9.2$ to 48 Deg
 -10 dBi ~ 48 to 180 Deg

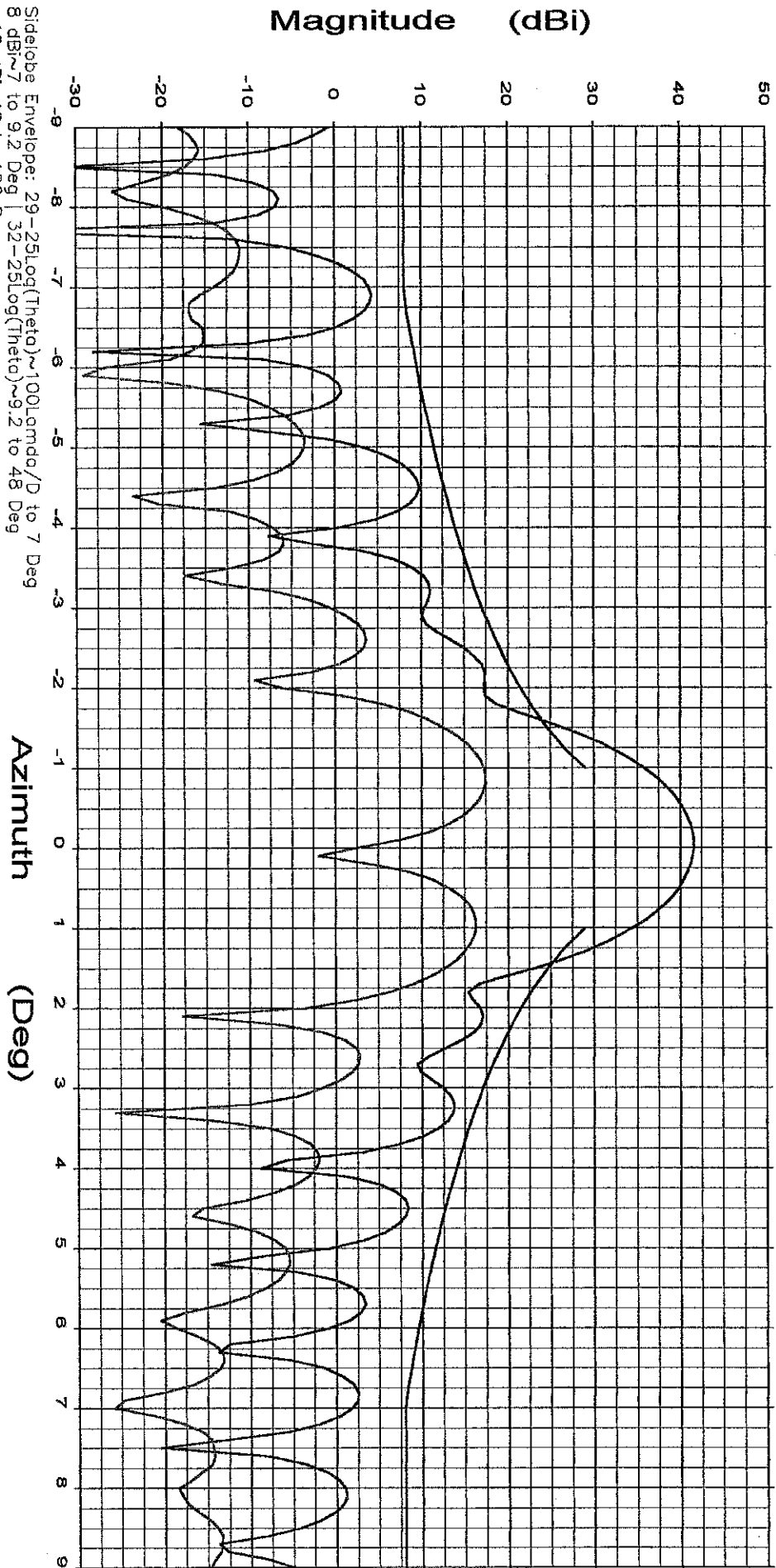
Overlays	Cal. file	units	Beam Peak	
			Deg	dB
064532.DAT-ant_under_test	064532.DAT	dBi	0.04	42.49
064536.DAT-ant_under_test	064536.DAT	dBi	0.76	18.02

File: See Legend

Frequency : 5.845 GHz

Operator: Ken Poovey
Ser. no.:
Channel: test
Prodellin 2.4M 4-Pc
Receive / Transmit
Offset Antenna System
C-Band Linear

Tx pol: Horiz. Rx pol: Horiz.



Sidelobe Envelope: 29-25Log(Theta)~100, Lambda/D to 7 Deg
8 dBi~7 to 9.2 Deg | 32-25Log(Theta)~9.2 to 48 Deg
-10 dBi~48 to 180 Deg

Overlays	Cal. file	units	Beam Peak
064539.DAT-ant_under_test	064539.DAT	dBi	41.54
064542.DAT-ant_under_test	064542.DAT	dBi	17.40

File: See Legend

Prodelin 2.4M 4-Pc
Receive / Transmit
Offset Antenna System
C-Band Linear

Frequency : 6.138 GHz

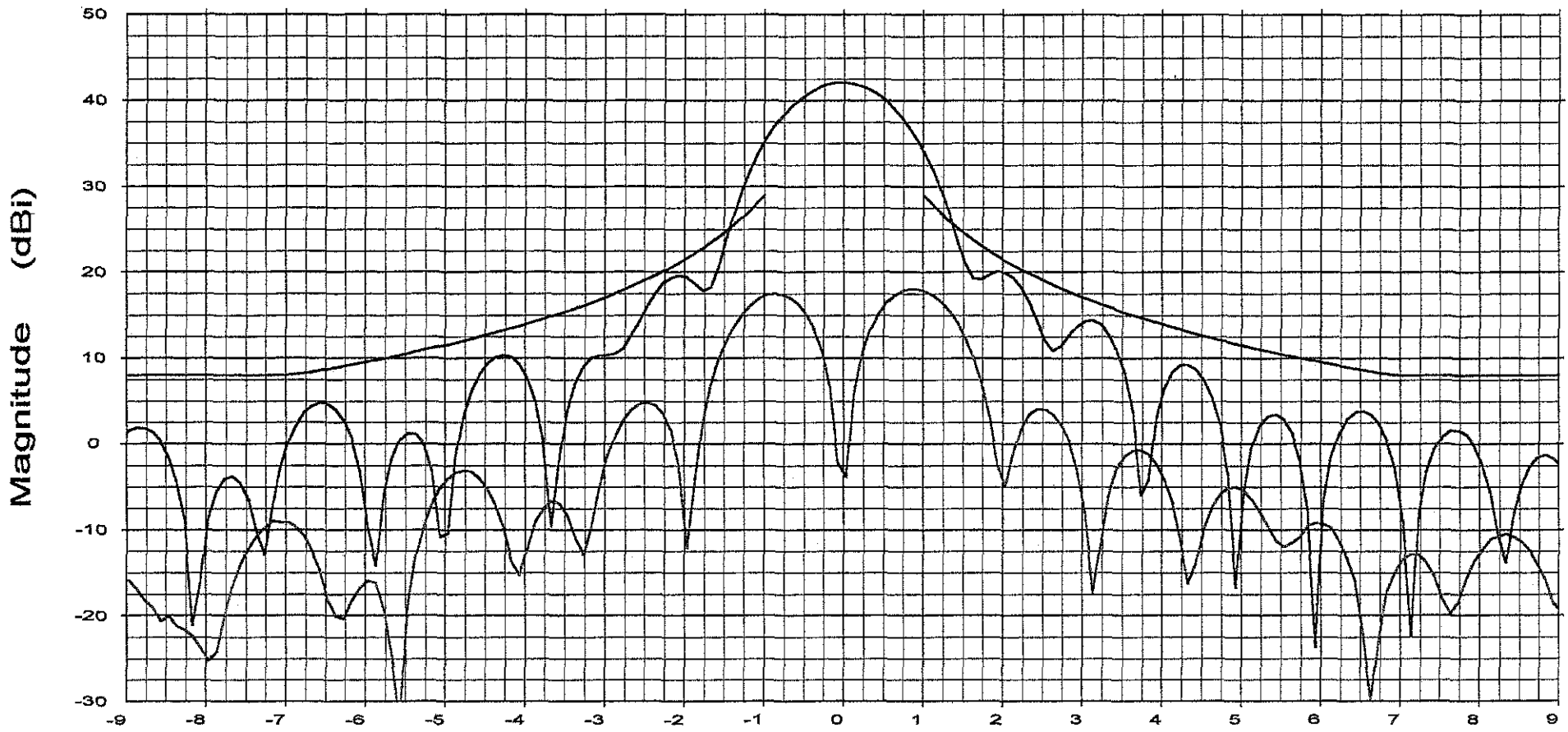
Operator: Ken Poovey

Ser. no.:

Channel: test

Tx pol: Horiz.

Rx pol: Horiz.



Sidelobe Envelope: $29 - 25 \log(\theta) \sim 100 \lambda / D$ to 7 Deg
 8 dBi ~ 7 to 9.2 Deg | $32 - 25 \log(\theta) \sim 9.2$ to 48 Deg
 -10 dBi ~ 48 to 180 Deg

Overlays
 064539.DAT-ant_under_test
 064542.DAT-ant_under_test

Cal. file units
 064539.DAT dBi
 064542.DAT dBi

Azimuth (Deg)

Beam Peak	
Deg	dB
-0.07	42.06
0.93	17.98

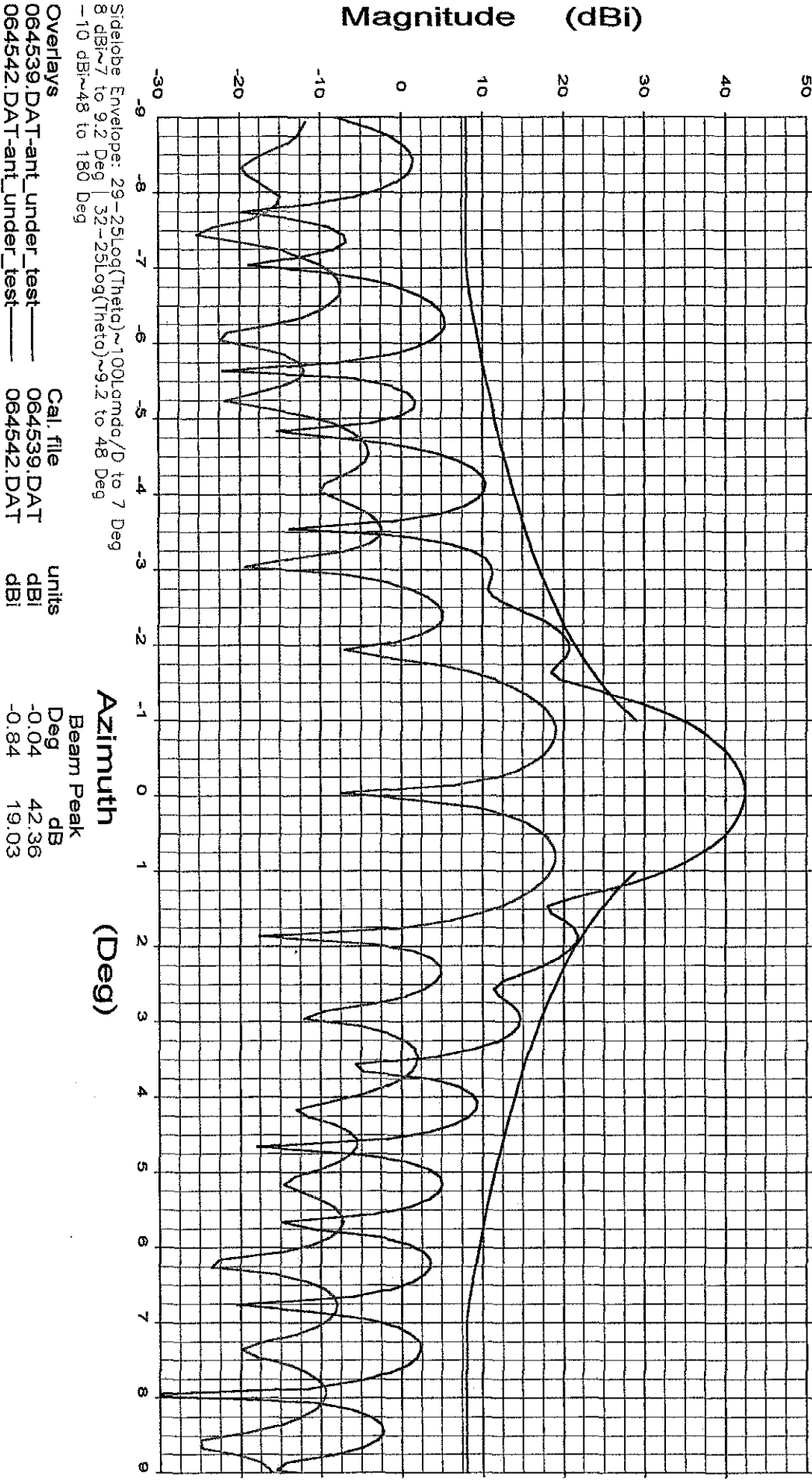
File: See Legend

Prodellin 2.4M 4-Pc

Frequency : 6.425 GHz

Operator: Ken Poovey
Receive / Transmit
Offset Antenna System
C-Band Linear

Ser. no.:
Channel: test
Tx pol: Horiz. Rx pol: Horiz.



Overlays
064539.DAT-ant_under_test
064542.DAT-ant_under_test

Cal. file
064539.DAT
064542.DAT

units
dBi
dBi

Beam Peak
Deg
-0.04
-0.84

Azimuth (Deg)

File: See Legend

Prodelin 2.4M 4-Pc
Receive / Transmit
Offset Antenna System
C-Band Linear

Frequency : 5.845 GHz

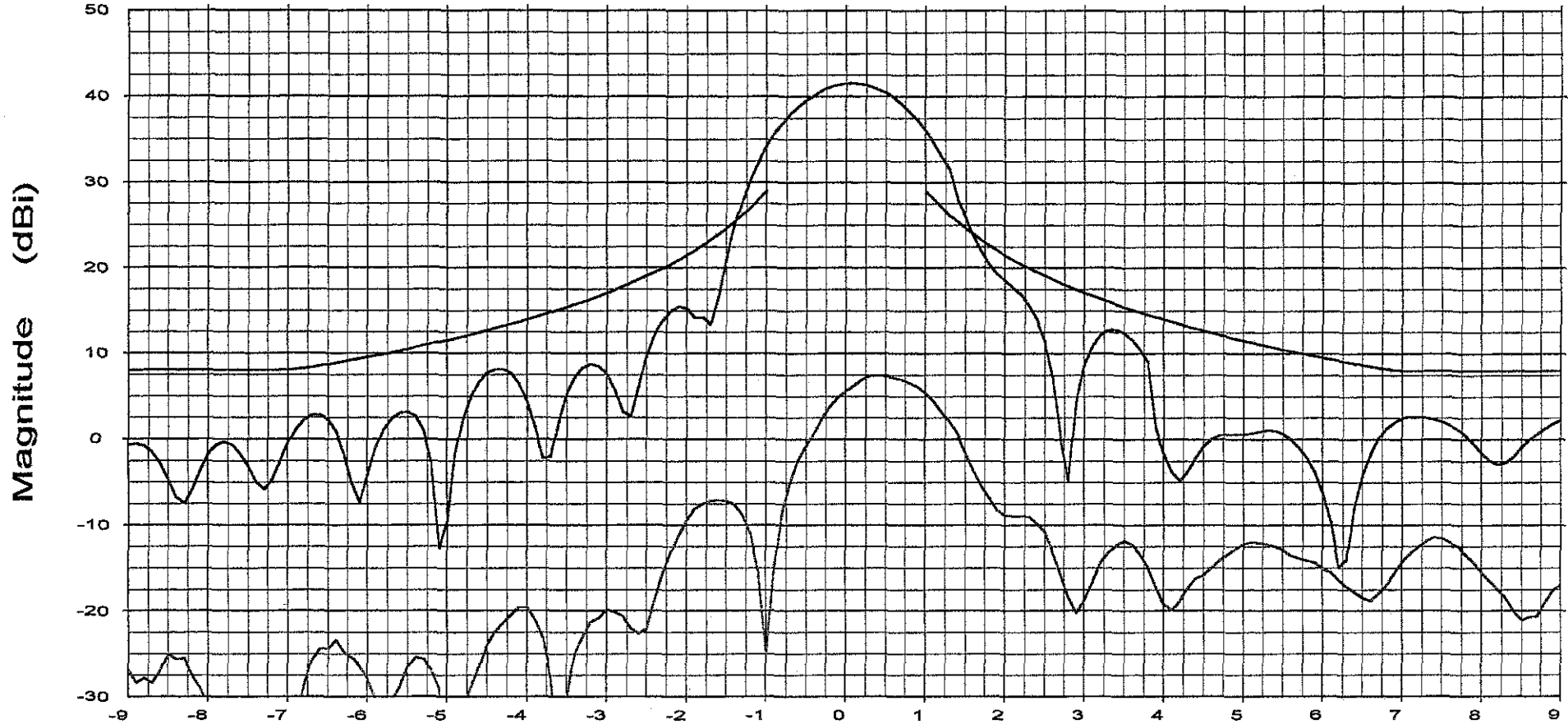
Operator: Ken Poovey

Ser. no.:

Channel: test

Tx pol: Vert.

Rx pol: Vert.



Sidelobe Envelope: $29 - 25 \log(\theta) \sim 100 \lambda / D$ to 7 Deg
 8 dBi ~ 7 to 9.2 Deg | $32 - 25 \log(\theta) \sim 9.2$ to 48 Deg
 -10 dBi ~ 48 to 180 Deg

Overlays	Cal. file	units
064533.DAT-ant_under_test	064533.DAT	dBi
064538.DAT-ant_under_test	064538.DAT	dBi

Elevation (Deg)

Beam Peak	
Deg	dB
0.10	41.51
0.40	7.41

File: See Legend

Prodelin 2.4M 4-Pc
Receive / Transmit
Offset Antenna System
C-Band Linear

Frequency : 6.138 GHz

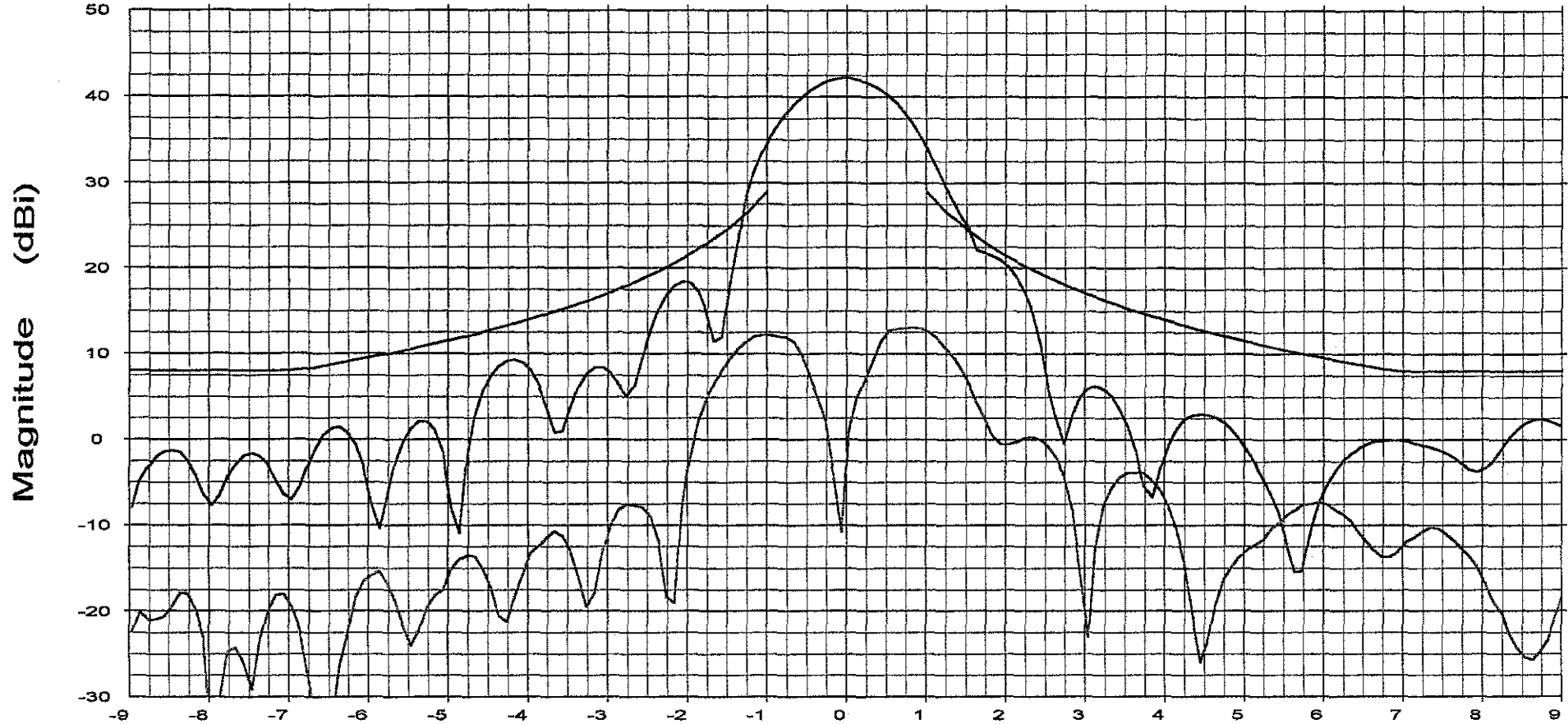
Operator: Ken Poovey

Ser. no.:

Channel: test

Tx pol: Vert.

Rx pol: Vert.



Sidelobe Envelope: $29 \sim 25 \text{Log}(\text{Theta}) \sim 100 \text{Lambda}/D$ to 7 Deg
 8 dBi ~ 7 to 9.2 Deg | $32 \sim 25 \text{Log}(\text{Theta}) \sim 9.2$ to 48 Deg
 -10 dBi ~ 48 to 180 Deg

Overlays

064534.DAT-ant_under_test
 064537.DAT-ant_under_test

Cal. file units
 064534.DAT dBi
 064537.DAT dBi

Elevation (Deg)

Beam Peak
 Deg dB
 0.04 42.12
 0.84 13.02

File: See Legend

Prodelin 2.4M 4-Pc
Receive / Transmit
Offset Antenna System
C-Band Linear

Frequency : 6.425 GHz

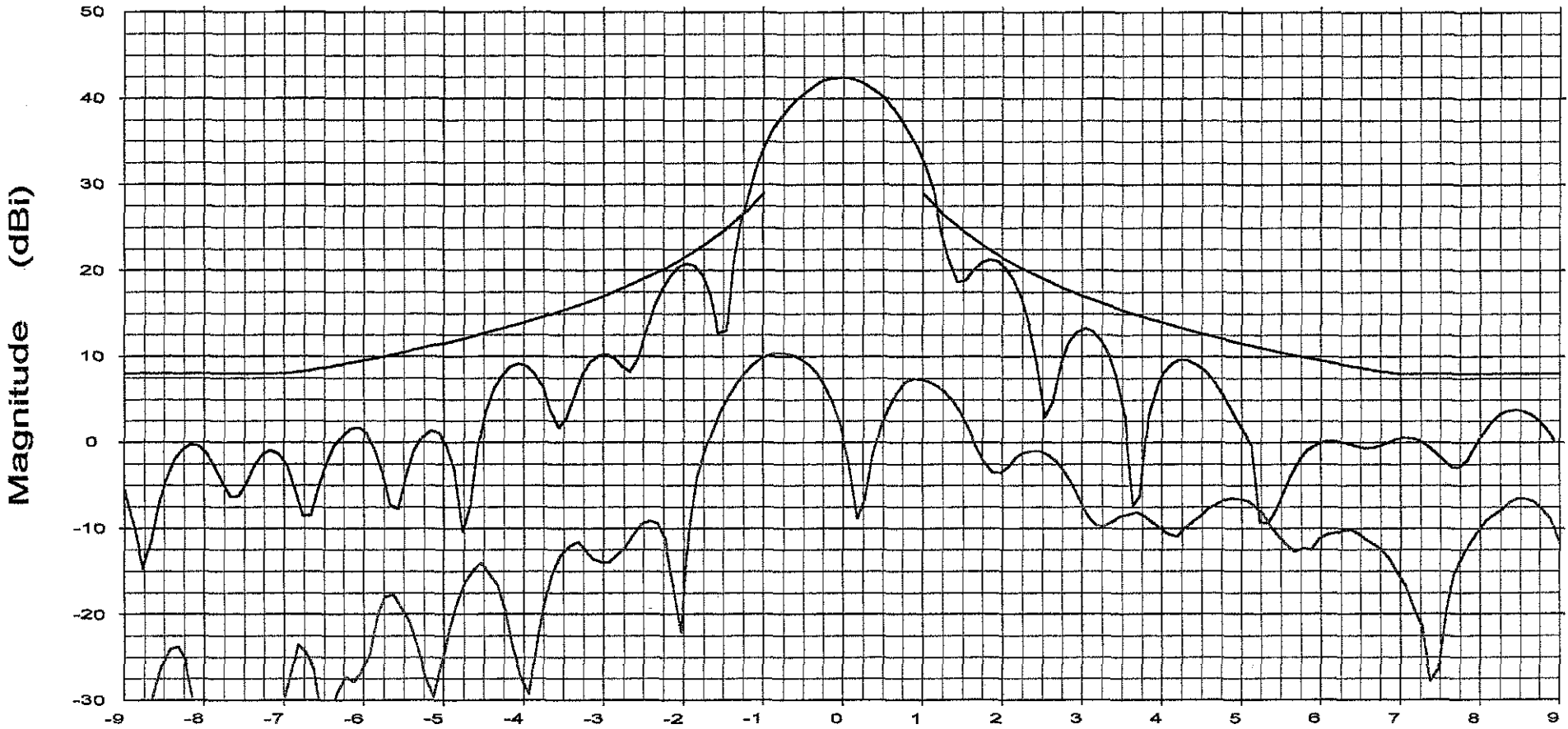
Operator: Ken Poovey

Ser. no.:

Channel: test

Tx pol: Vert.

Rx pol: Vert.



Sidelobe Envelope: 29-25Log(Theta)~100Lambda/D to 7 Deg
8 dBi~7 to 9.2 Deg | 32-25Log(Theta)~9.2 to 48 Deg
-10 dBi~48 to 180 Deg

Overlays
064535.DAT-ant_under_test
064537.DAT-ant_under_test

Cal. file units
064535.DAT dBi
064537.DAT dBi

Elevation (Deg)

Beam Peak	
Deg	dB
-0.07	42.39
-0.73	10.39

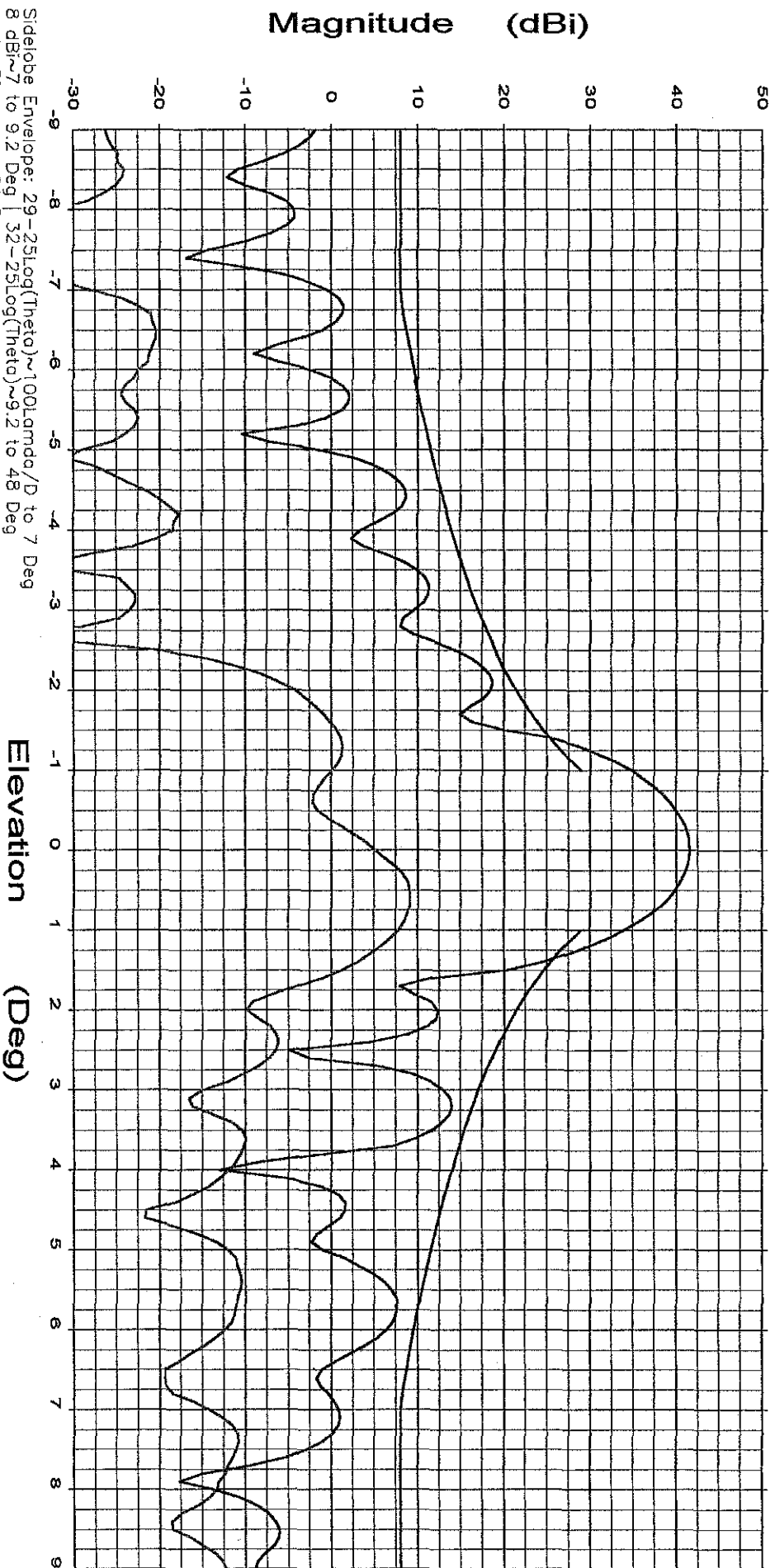
File: See Legend

Frequency : 5.845 GHz

Prodellin 2.4M 4-Pc
Receive / Transmit
Offset Antenna System
C-Band Linear

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

TX pol: Horiz. Rx pol: Horiz.



Side-lobe Envelope: 29-25Log(Theta)~100Lomdo/D to 7 Deg
 8 dBi~7 to 9.2 Deg | 32-25Log(Theta)~9.2 to 48 Deg
 -10 dBi~48 to 180 Deg

Cal. file units
 064541.DAT dBi
 064543.DAT dBi

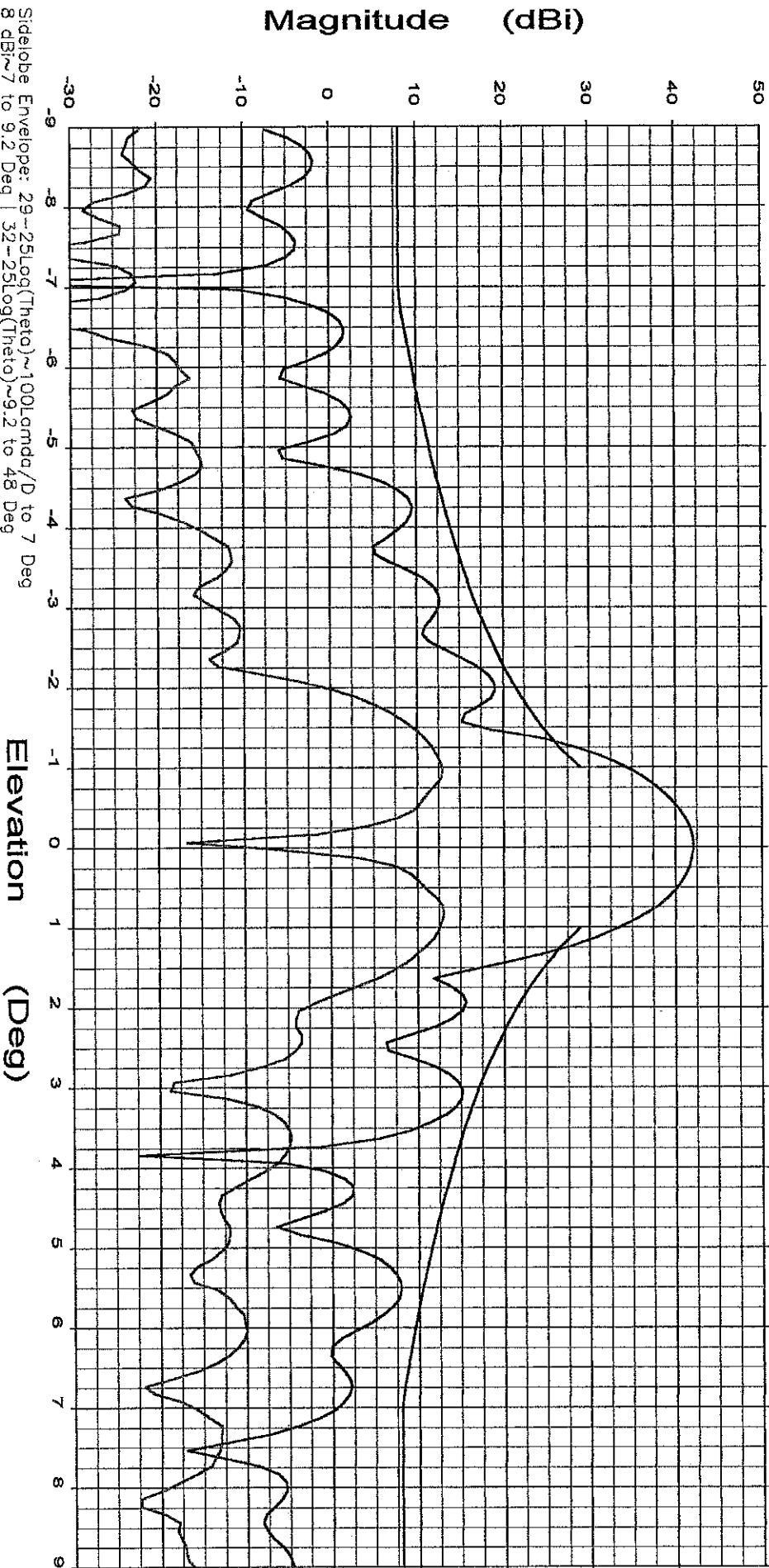
Elevation Beam Peak
 Deg dB
 0.00 41.53
 0.50 9.05

File: See Legend

Frequency : 6.138 GHz

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

Tx pol: Horiz. Rx pol: Horiz.



Sidelobe Envelope: 29--25Log(Theta)~1001rmdc/D to 7 Deg
8 dBi~7 to 9.2 Deg 32--25Log(Theta)~9.2 to 48 Deg
-10 dBi~48 to 180 Deg

Overlays	Cal. file	units	Beam Peak
064541.DAT-ant_under_test	064541.DAT	dB	-0.07
064543.DAT-ant_under_test	064543.DAT	dB	0.83
			42.04
			13.00

File: See Legend

Prodelin 2.4M 4-Pc
Receive / Transmit
Offset Antenna System
C-Band Linear

Frequency : 6.425 GHz

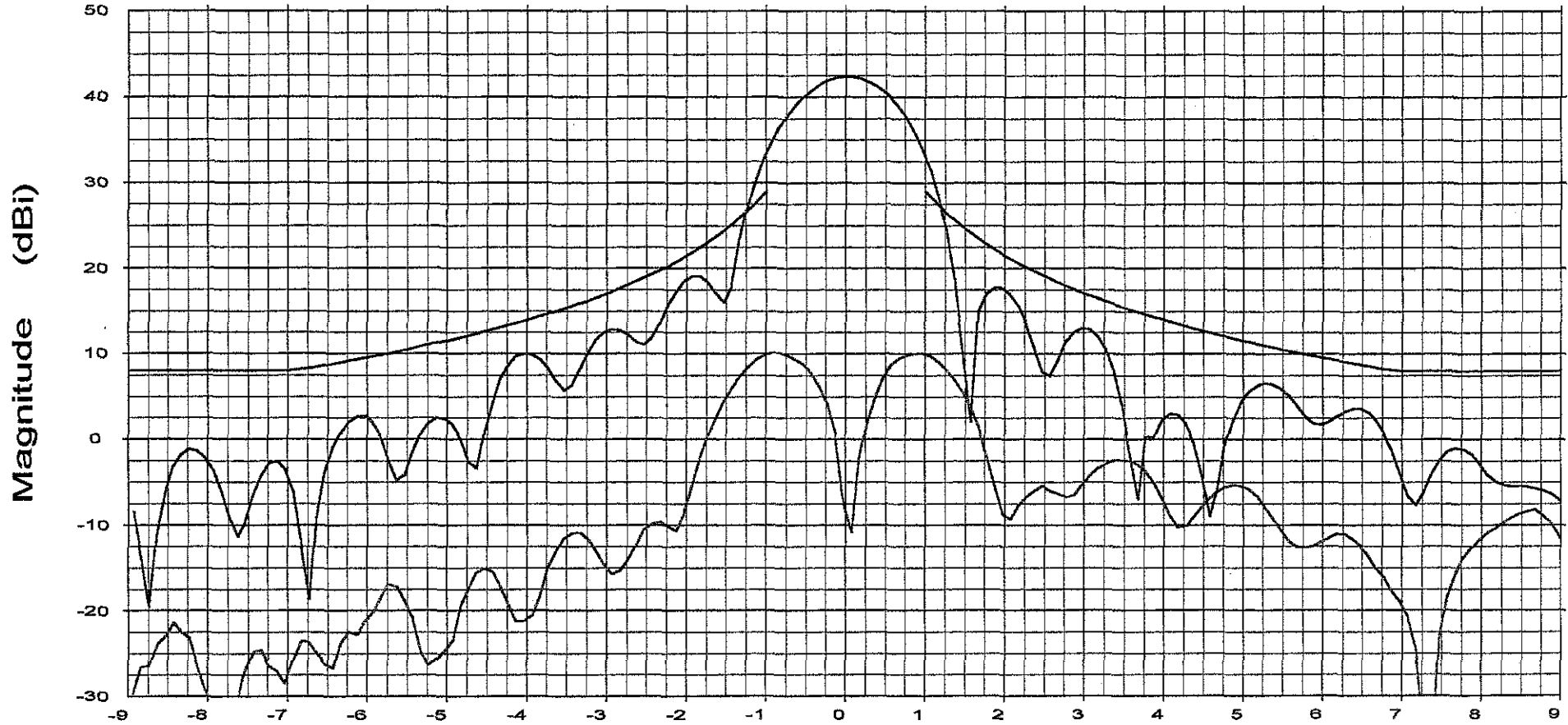
Operator: Ken Poovey

Ser. no.:

Channel: test

Tx pol: Horiz.

Rx pol: Horiz.



Sidelobe Envelope: $29 - 25 \log(\theta) \sim 100 \lambda / D$ to 7 Deg
 8 dBi ~ 7 to 9.2 Deg | $32 - 25 \log(\theta) \sim 9.2$ to 48 Deg
 -10 dBi ~ 48 to 180 Deg

Overlays

064541.DAT-ant_under_test
 064543.DAT-ant_under_test

Cal. file units
 064541.DAT dBi
 064543.DAT dBi

Elevation (Deg)

Beam Peak	
Deg	dB
-0.03	42.34
-0.83	10.06

File: See Legend

Prodelin 2.4M 4-Pc
Receive / Transmit
Offset Antenna System
C-Band Linear

Frequency : 5.845 GHz

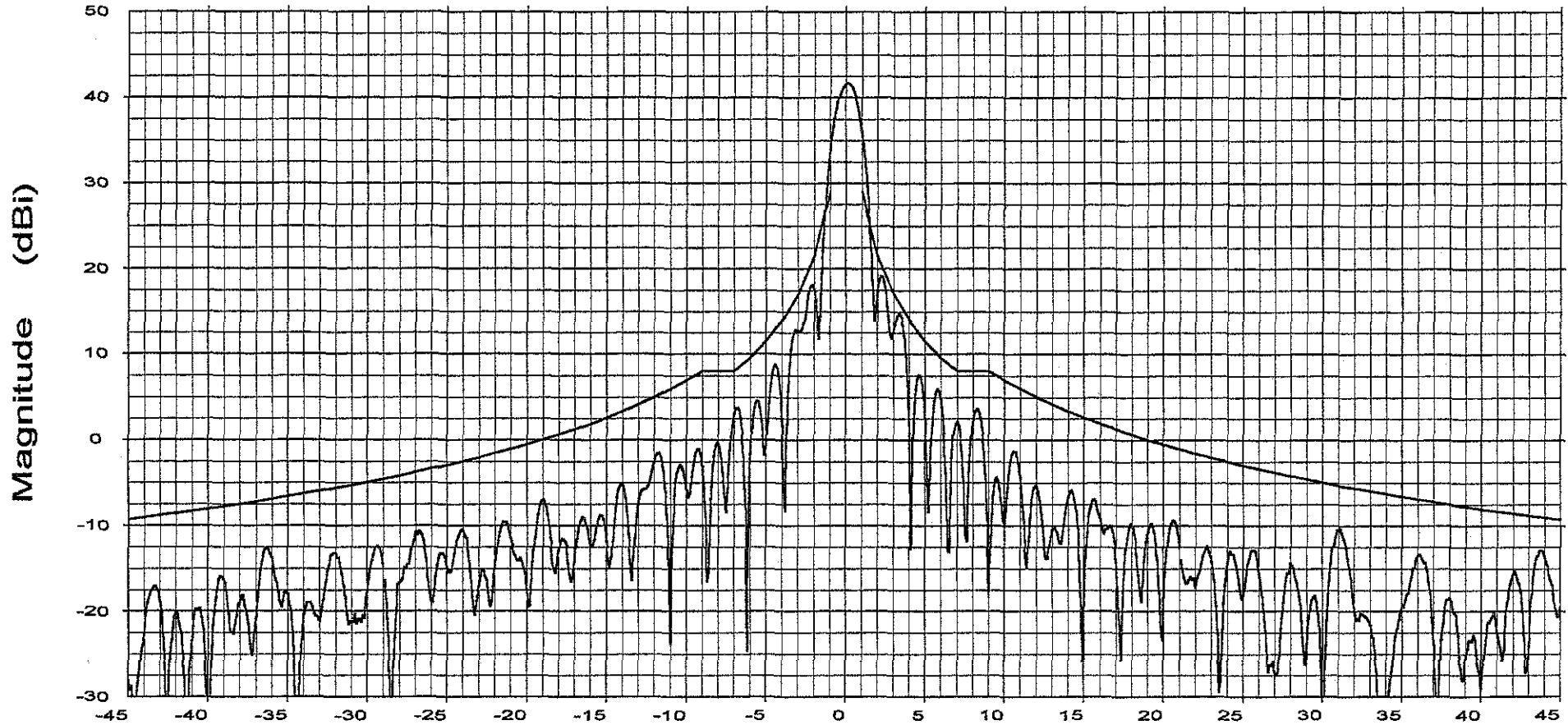
Operator: Ken Poovey

Ser. no.:

Channel: test

Tx pol: Vert.

Rx pol: Vert.



Sidelobe Envelope: $29 - 25 \log(\theta) \sim 100 \lambda / D$ to 7 Deg
 8 dBi ~ 7 to 9.2 Deg | $32 - 25 \log(\theta) \sim 9.2$ to 48 Deg
 -10 dBi ~ 48 to 180 Deg

Azimuth (Deg)

Overlays
064532.DAT-ant_under_test

Cal. file	units
064532.DAT	dBi

Beam Peak	
Deg	dB
0.10	41.64

File: See Legend

Prodelin 2.4M 4-Pc
Receive / Transmit
Offset Antenna System
C-Band Linear

Frequency : 6.138 GHz

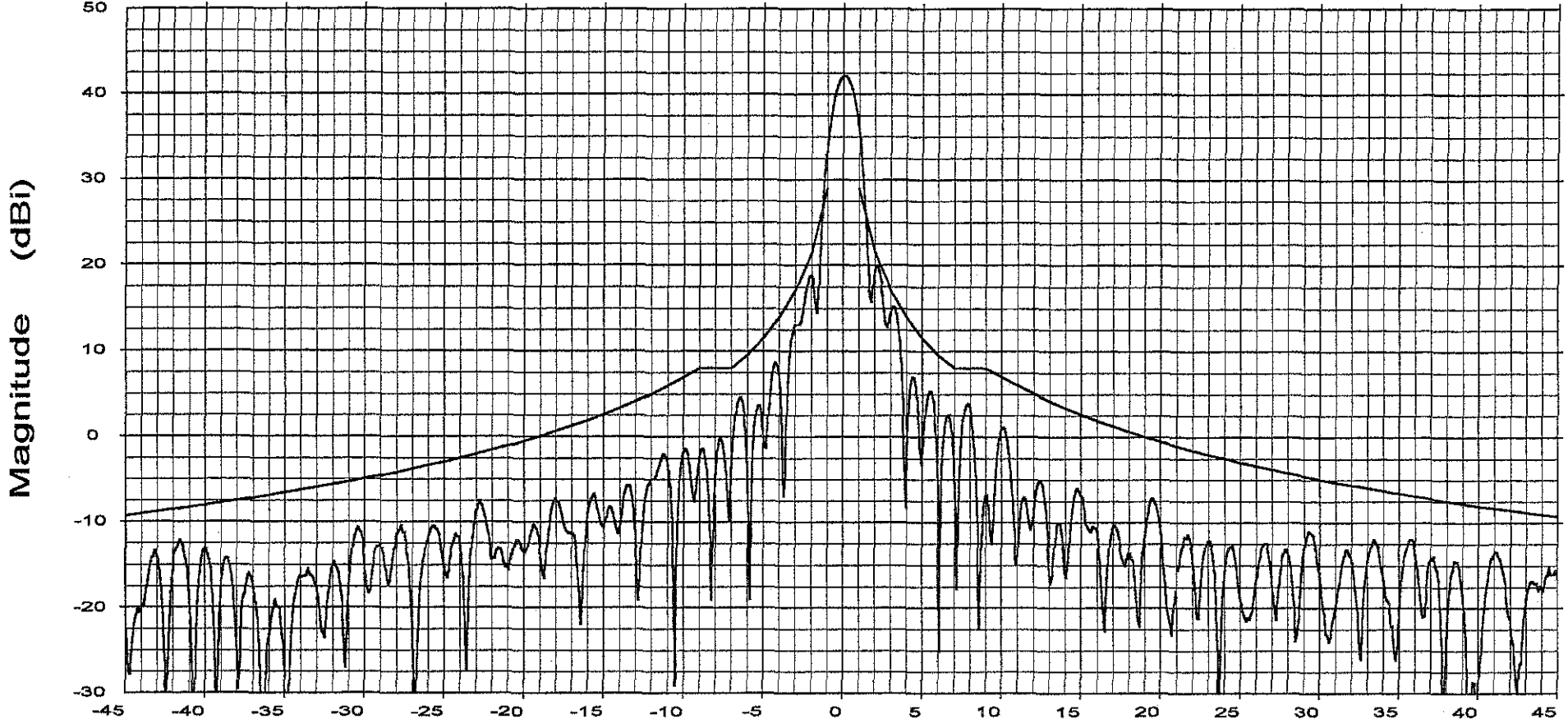
Operator: Ken Poovey

Ser. no.:

Channel: test

Tx pol: Vert.

Rx pol: Vert.



Sidelobe Envelope: $29 - 25 \log(\theta) \sim 100 \lambda / D$ to 7 Deg
 8 dBi ~ 7 to 9.2 Deg | $32 - 25 \log(\theta) \sim 9.2$ to 48 Deg
 -10 dBi ~ 48 to 180 Deg

Azimuth (Deg)

Overlays
 064532.DAT-ant_under_test

Cal. file units
 064532.DAT dBi

Beam Peak
 Deg dB
 0.07 42.14

File: See Legend

Prodelin 2.4M 4-Pc
Receive / Transmit
Offset Antenna System
C-Band Linear

Frequency : 6.425 GHz

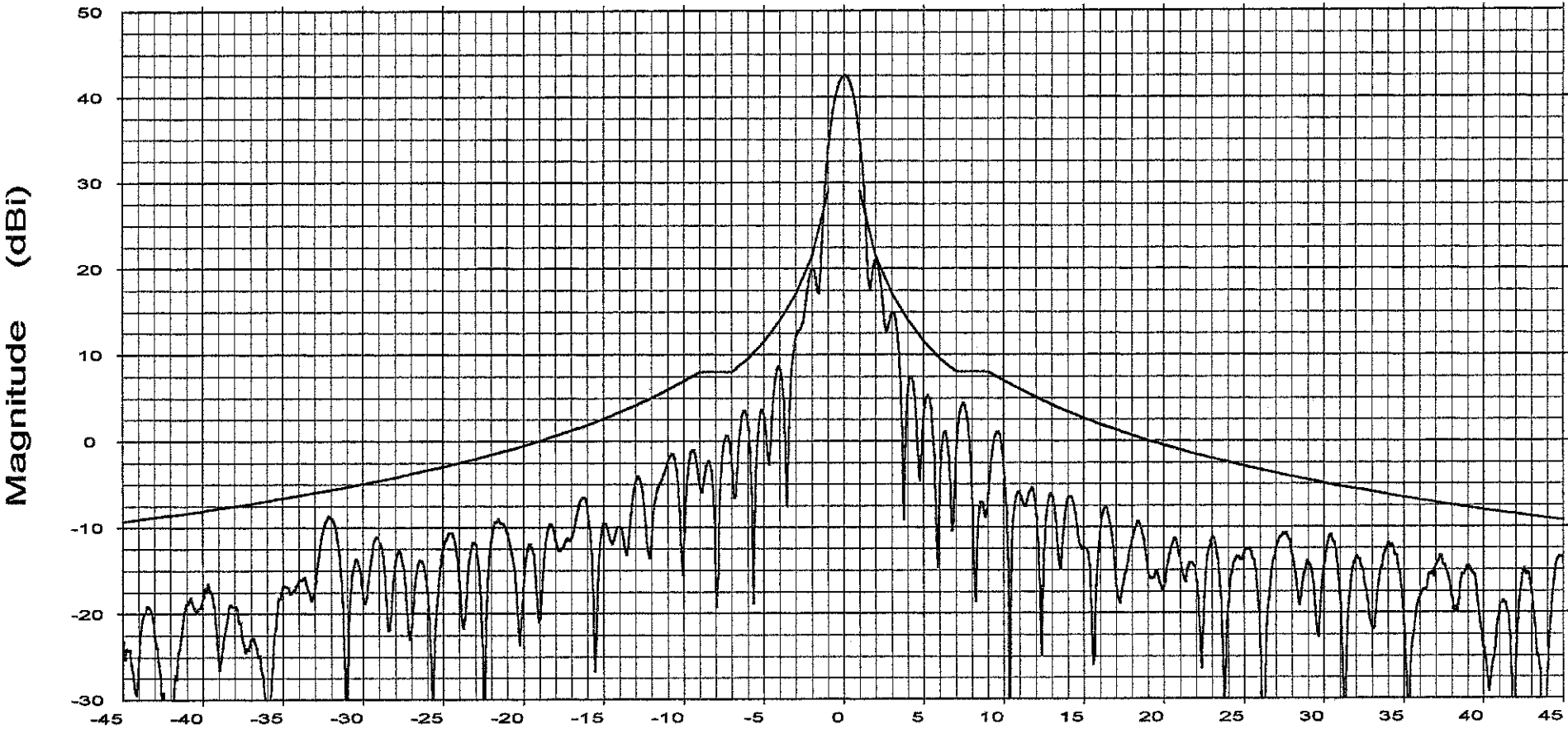
Operator: Ken Poovey

Ser. no.:

Channel: test

Tx pol: Vert.

Rx pol: Vert.



Sidlobe Envelope: $29 - 25 \log(\theta) \sim 100 \lambda / D$ to 7 Deg
 8 dBi ~ 7 to 9.2 Deg | $32 - 25 \log(\theta) \sim 9.2$ to 48 Deg
 -10 dBi ~ 48 to 180 Deg

Azimuth (Deg)

Beam Peak
 Deg dB
 0.04 42.49

Overlays	Cal. file	units
064532.DAT-ant_under_test	064532.DAT	dBi

File: See Legend

Prodelin 2.4M 4-Pc
Receive / Transmit
Offset Antenna System
C-Band Linear

Frequency : 5.845 GHz

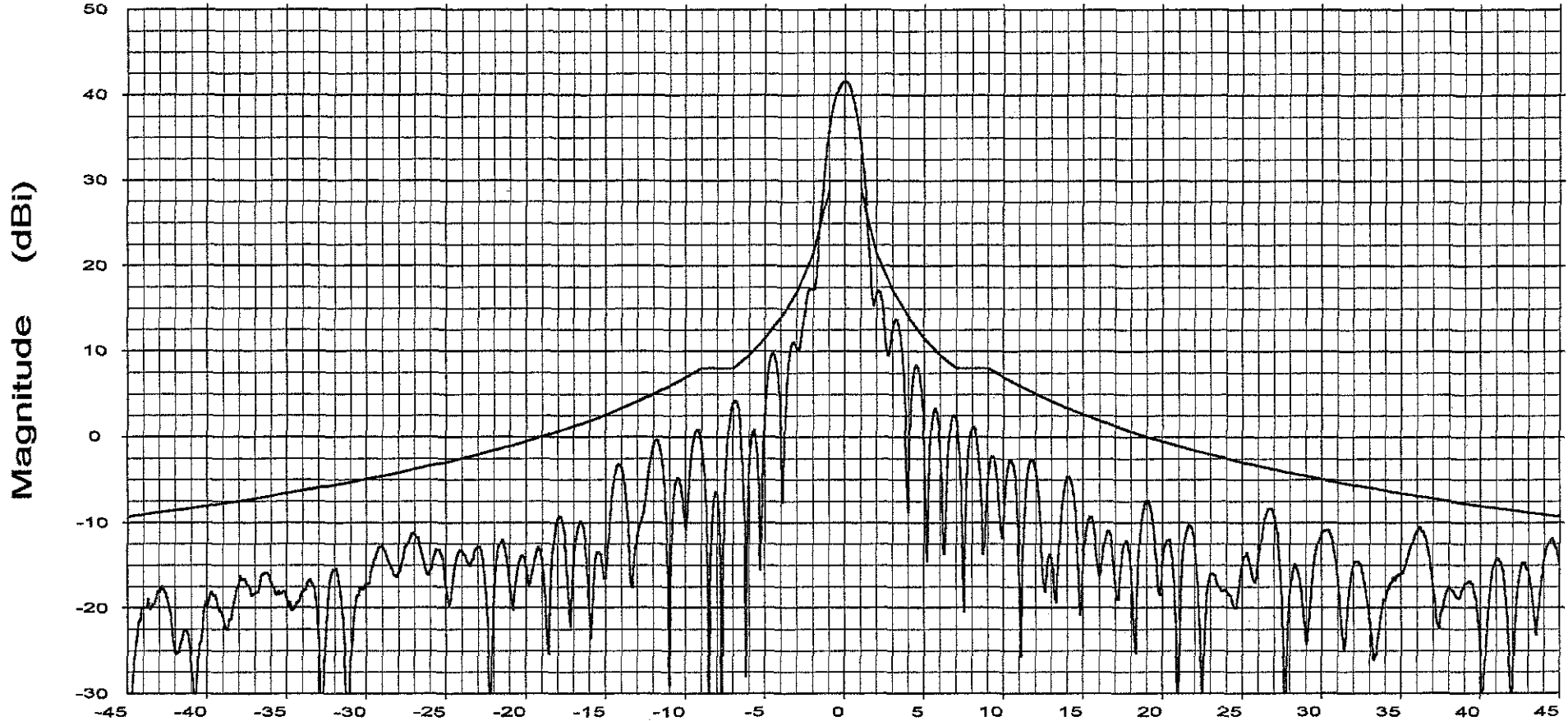
Operator: Ken Poovey

Ser. no.:

Channel: test

Tx pol: Horiz.

Rx pol: Horiz.



Sidelobe Envelope: $29 - 25 \log(\theta) \sim 100 \lambda / D$ to 7 Deg
 8 dBi ~ 7 to 9.2 Deg | $32 - 25 \log(\theta) \sim 9.2$ to 48 Deg
 -10 dBi ~ 48 to 180 Deg

Azimuth (Deg)

Beam Peak	
Deg	dB
0.00	41.54

Overlays

064539.DAT-ant_under_test

Cal. file

064539.DAT

units

dBi

File: See Legend

Prodelin 2.4M 4-Pc
Receive / Transmit
Offset Antenna System
C-Band Linear

Frequency : 6.138 GHz

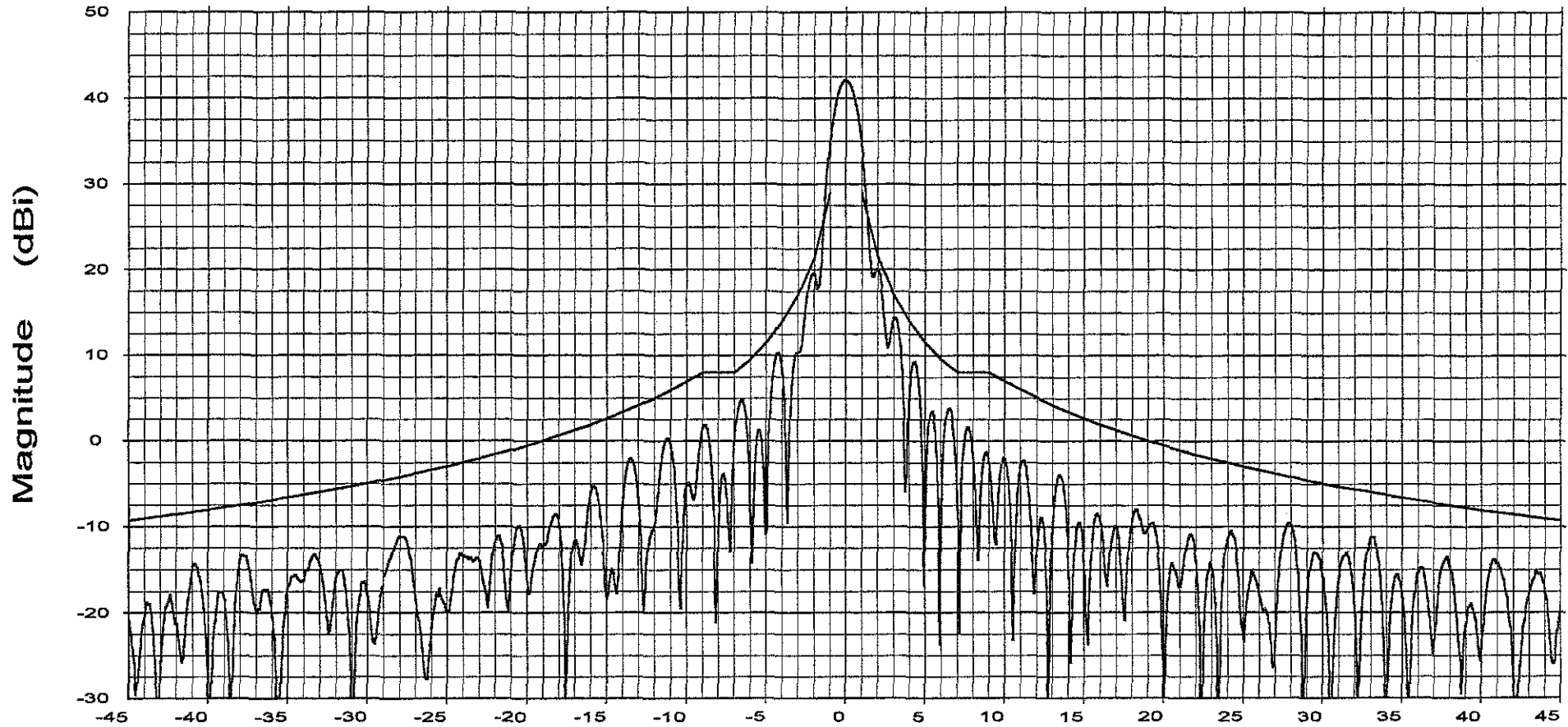
Operator: Ken Poovey

Ser. no.:

Channel: test

Tx pol: Horiz.

Rx pol: Horiz.



Sidelobe Envelope: $29 - 25 \log(\theta) \sim 100 \lambda / D$ to 7 Deg
 8 dBi ~ 7 to 9.2 Deg | $32 - 25 \log(\theta) \sim 9.2$ to 48 Deg
 -10 dBi ~ 48 to 180 Deg

Azimuth (Deg)

Overlays

064539.DAT-ant_under_test

Cal. file

064539.DAT

units

dBi

Beam Peak

Deg

-0.07

dB

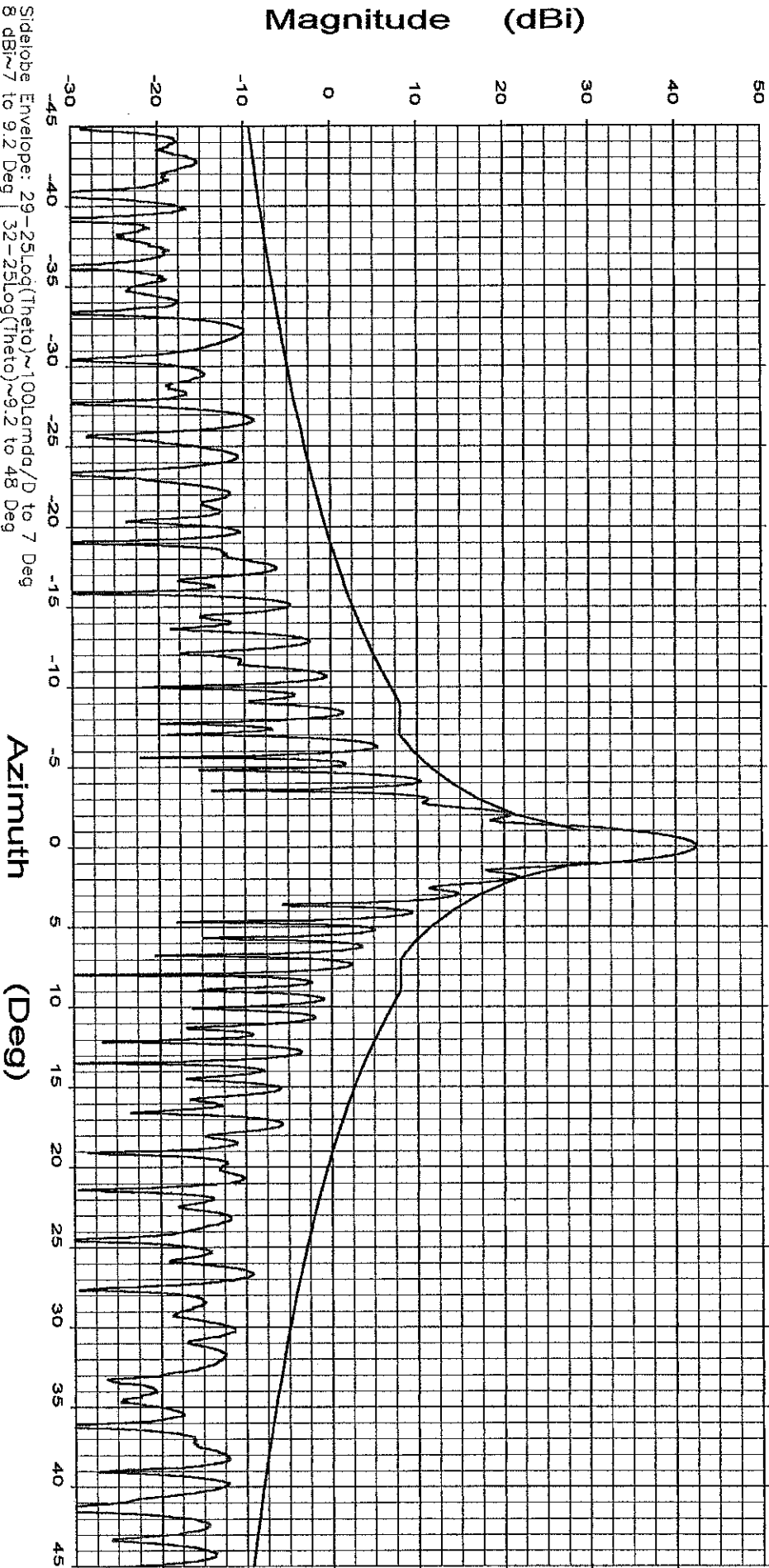
42.06

File: See Legend

Frequency : 6.425 GHz

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

Tx pol: Horiz. Rx pol: Horiz.



Sidelobe Envelope: 29-25Log(Theta)~100Lamda/D to 7 Deg
8 dBi~7 to 9.2 Deg 32-25Log(Theta)~9.2 to 48 Deg
-10 dBi~48 to 180 Deg

Azimuth (Deg)

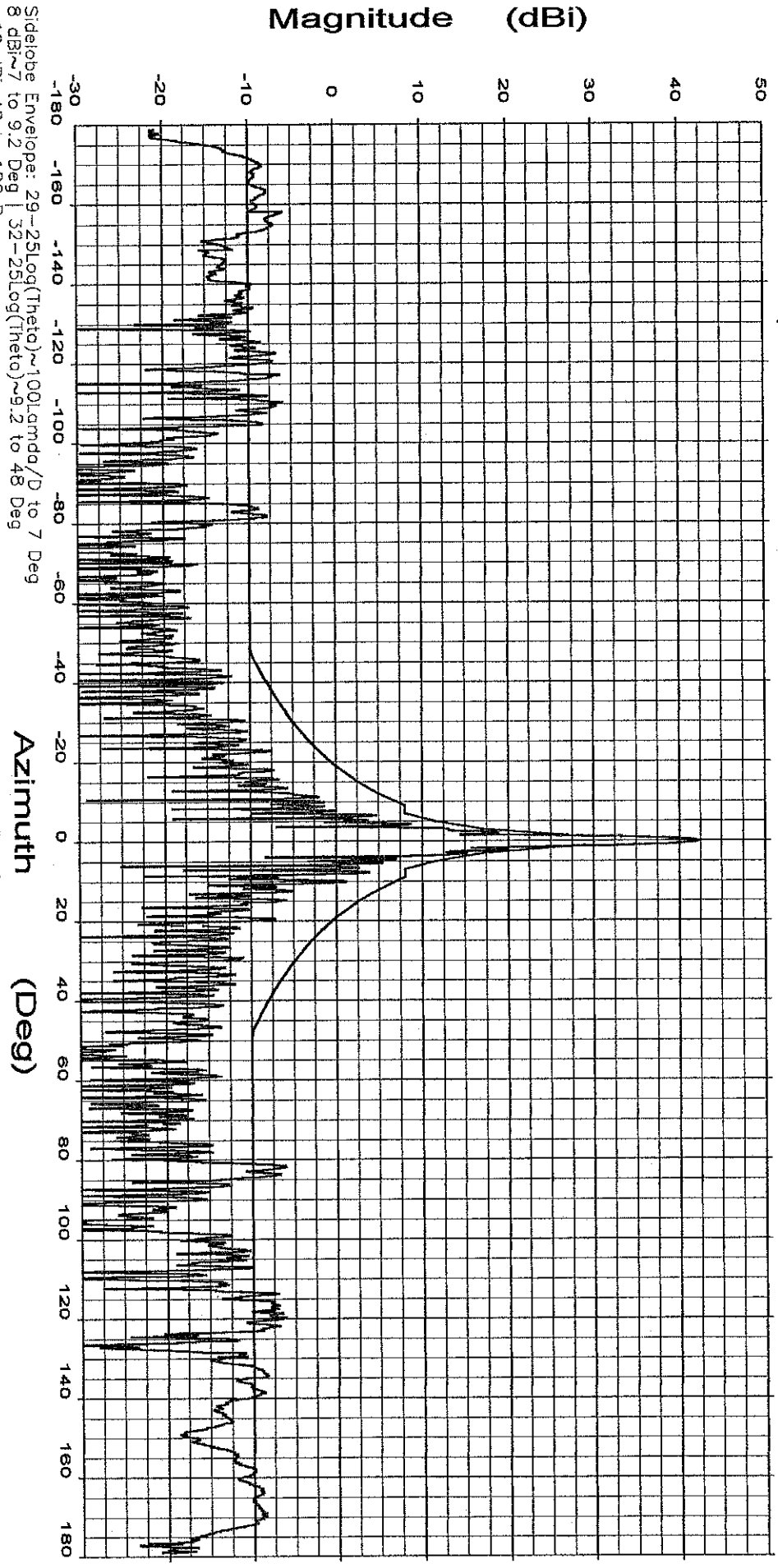
Overlays
064539.DAT-ant_under_test
Cal. file
064539.DAT
units
dBi
Beam Peak
Deg
-0.04
dB
42.36

Frequency : 6.138 GHz

File: See Legend

Operator: Ken Poovey
Ser. no.:
Channel: test
Prodelin 2.4M 4-Pc
Receive / Transmit
Offset Antenna System
C-Band Linear

Tx pol: Vert. Rx pol: Vert.



Sidelobe Envelope: 29-25Log(Theta)~100, lambda/4/D to 7 Deg
8 dBi~7 to 9.2 Deg | 32-25Log(Theta)~9.2 to 48 Deg
-10 dBi~48 to 180 Deg

Overlays
064532.DAT-ant_under_test
Cal. file
064532.DAT
units
dBi
Azimuth
Beam Peak
Deg
0.07
dB
42.14

File: See Legend

Prodelin 2.4M 4-Pc
Receive / Transmit
Offset Antenna System
C-Band Linear

Frequency : 6.138 GHz

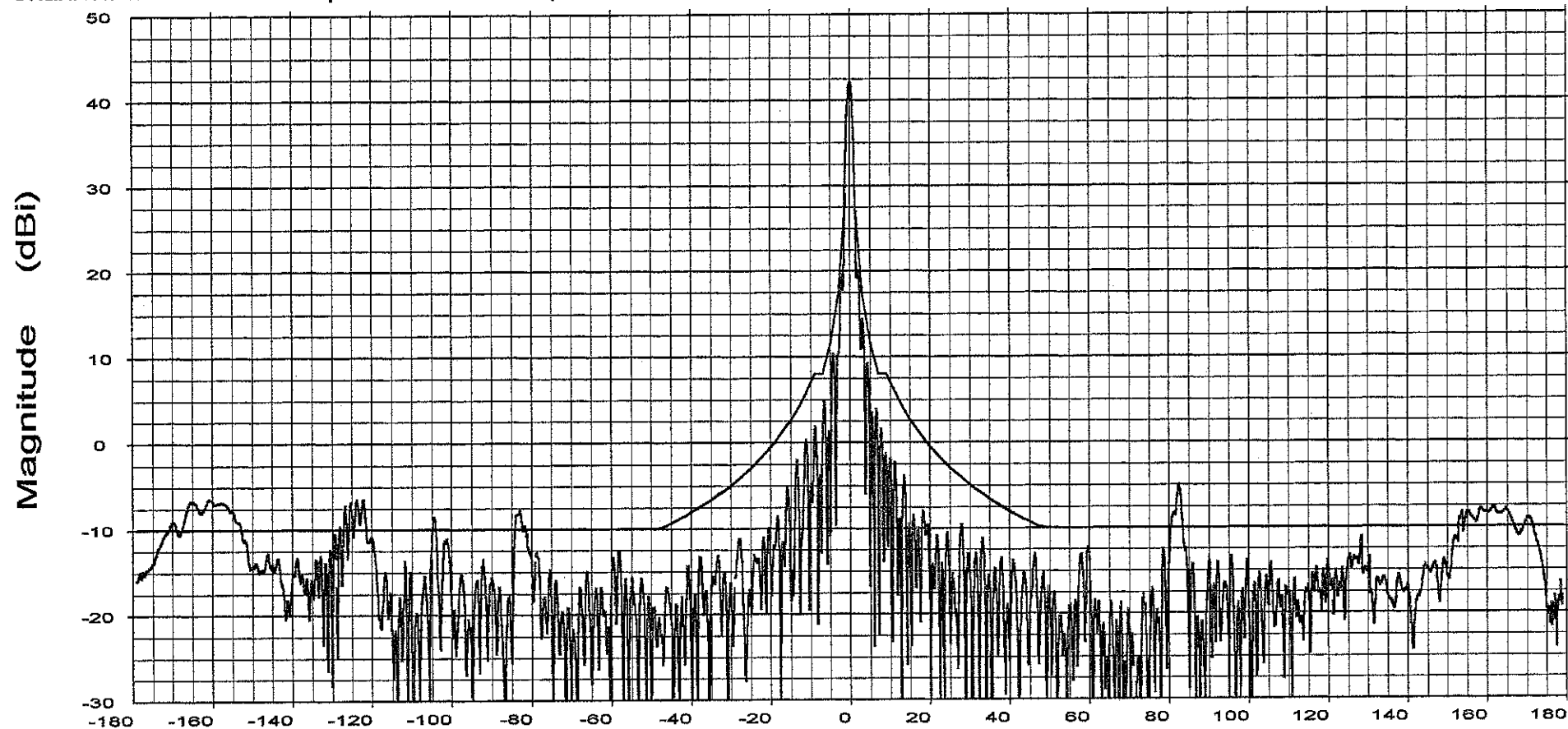
Operator: Ken Poovey

Ser. no.:

Channel: test

Tx pol: Horiz.

Rx pol: Horiz.



Sidelobe Envelope: $29 - 25 \log(\theta) \sim 100 \lambda / D$ to 7 Deg
 8 dBi ~ 7 to 9.2 Deg | $32 - 25 \log(\theta) \sim 9.2$ to 48 Deg
 -10 dBi ~ 48 to 180 Deg

Azimuth (Deg)

Beam Peak
 Deg dB
 -0.07 42.06

Overlays	Cal. file	units
064539.DAT-ant_under_test	064539.DAT	dBi

Receive Patterns

File: See Legend

Prodellin 2.4M 4-Pc

Frequency : 3.700 GHz

Operator: Ken Poovey

Receive / Transmit
Offset Antenna System
C-Band Linear

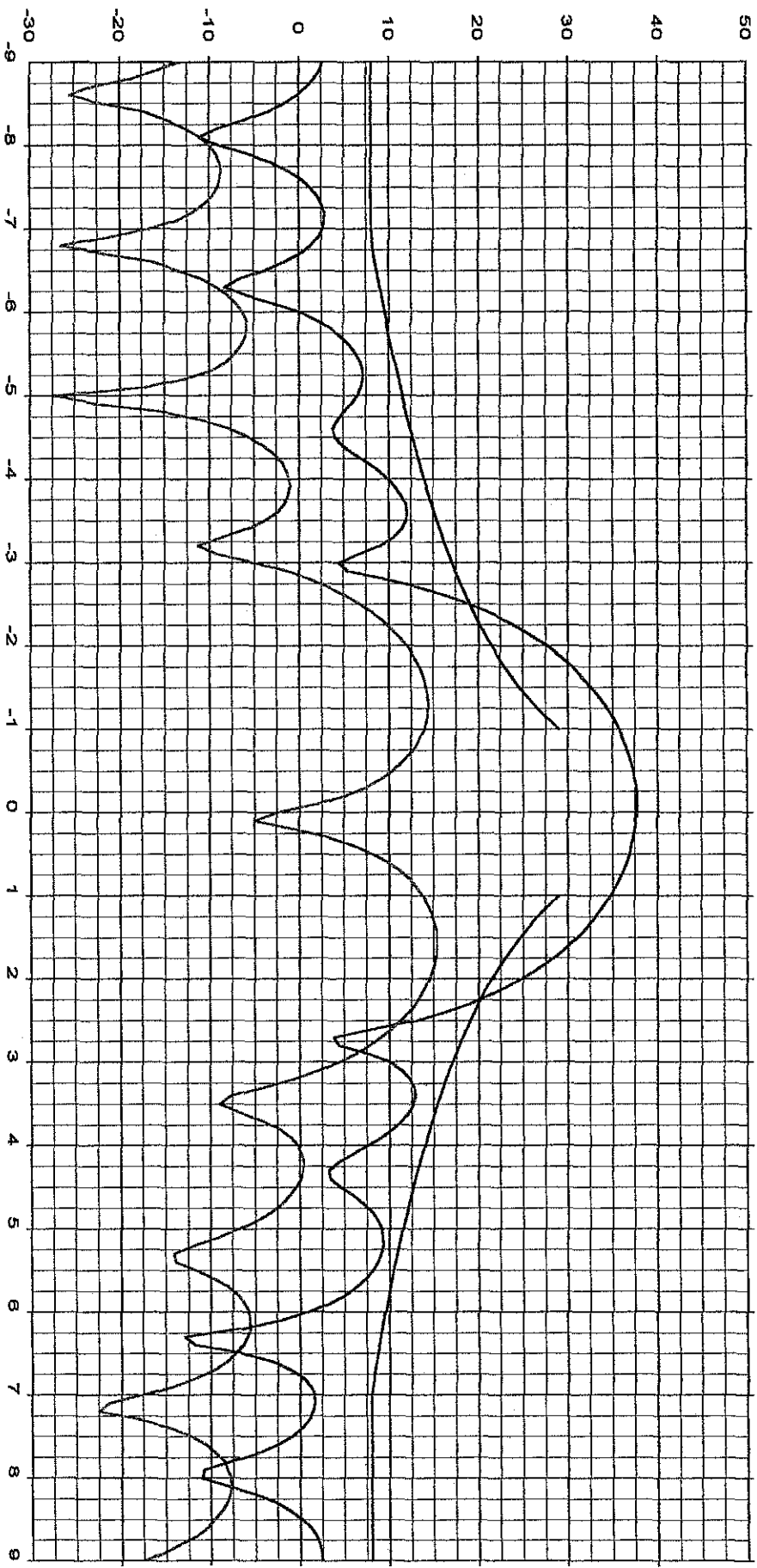
Ser. no.:

Tx pol: Vert.

Rx pol: Vert.

Channel: test

Magnitude (dBi)



Sidelobe Envelope: 29-25Log(Theta)~100Lomda/D to 7 Deg
 8 dBi~7 to 9.2 Deg | 32-25Log(Theta)~9.2 to 48 Deg
 -10 dBi~48 to 180 Deg

Azimuth (Deg)

Overlays
 064544.DAT_ant_under_test
 064547.DAT_ant_under_test

Cal. file
 064544.DAT
 064547.DAT

units
 dBi
 dBi

Beam Peak
 Deg dB
 -0.10 37.66
 1.60 15.33

File: See Legend

Prodelin 2.4M 4-Pc
Receive / Transmit
Offset Antenna System
C-Band Linear

Frequency : 3.950 GHz

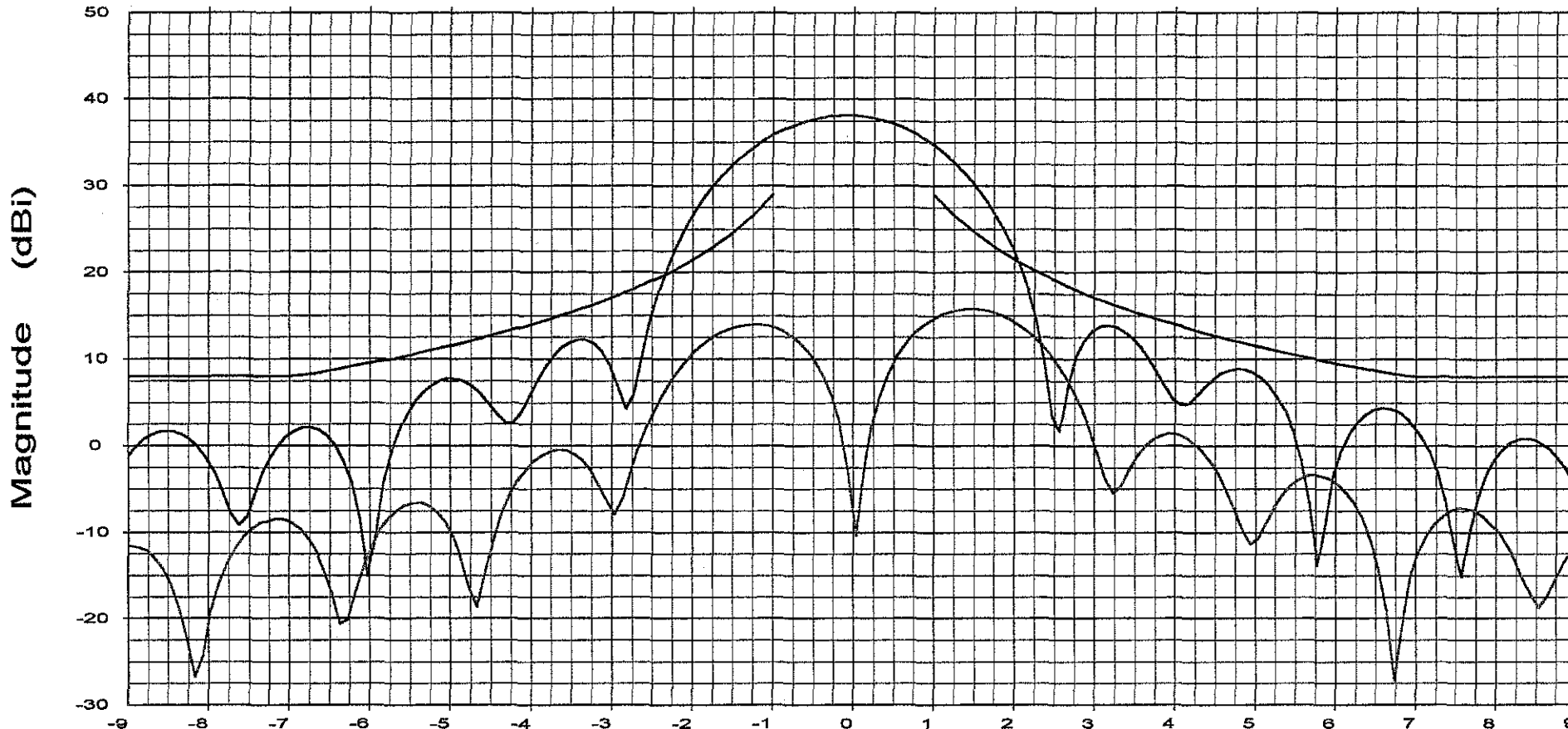
Operator: Ken Poovey

Ser. no.:

Channel: test

Tx pol: Vert.

Rx pol: Vert.



Sidelobe Envelope: $29 - 25 \log(\theta) \sim 100 \lambda / D$ to 7 Deg
 8 dBi ~ 7 to 9.2 Deg | $32 - 25 \log(\theta) \sim 9.2$ to 48 Deg
 -10 dBi ~ 48 to 180 Deg

Overlays	Cal. file	units
064544.DAT-ant_under_test	064544.DAT	dBi
064547.DAT-ant_under_test	064547.DAT	dBi

Azimuth (Deg)

Beam Peak	
Deg	dB
-0.13	38.10
1.43	15.74

File: See Legend

Prodelin 2.4M 4-Pc
Receive / Transmit
Offset Antenna System
C-Band Linear

Frequency : 4.200 GHz

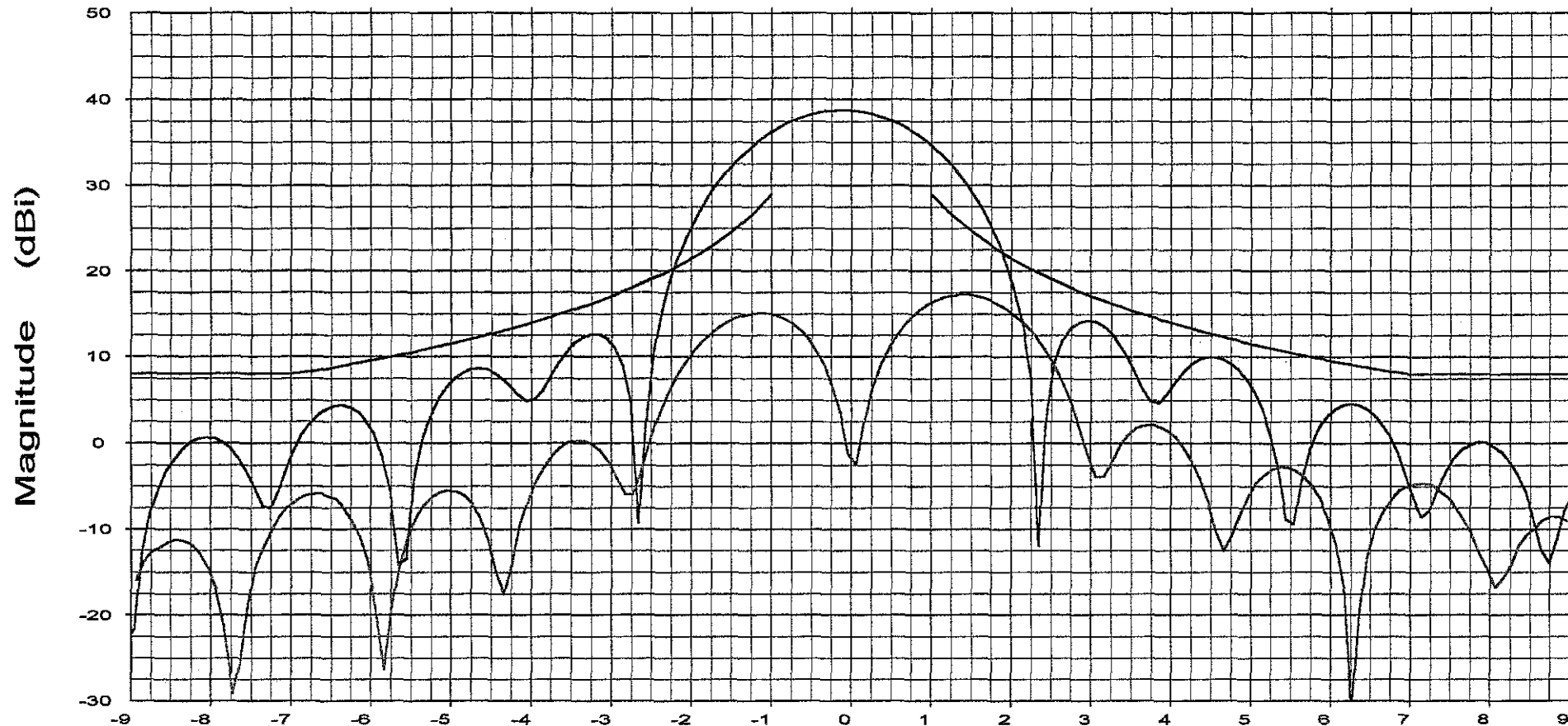
Operator: Ken Poovey

Ser. no.:

Channel: test

Tx pol: Vert.

Rx pol: Vert.



Sidelobe Envelope: 29-25Log(Theta)~100Lamda/D to 7 Deg
 8 dBi~7 to 9.2 Deg | 32-25Log(Theta)~9.2 to 48 Deg
 -10 dBi~48 to 180 Deg

Overlays
 064544.DAT-ant_under_test
 064547.DAT-ant_under_test

Cal. file	units
064544.DAT	dBi
064547.DAT	dBi

Azimuth (Deg)

Beam Peak	
Deg	dB
-0.16	38.70
1.36	17.22

File: See Legend

Frequency : 3.700 GHz

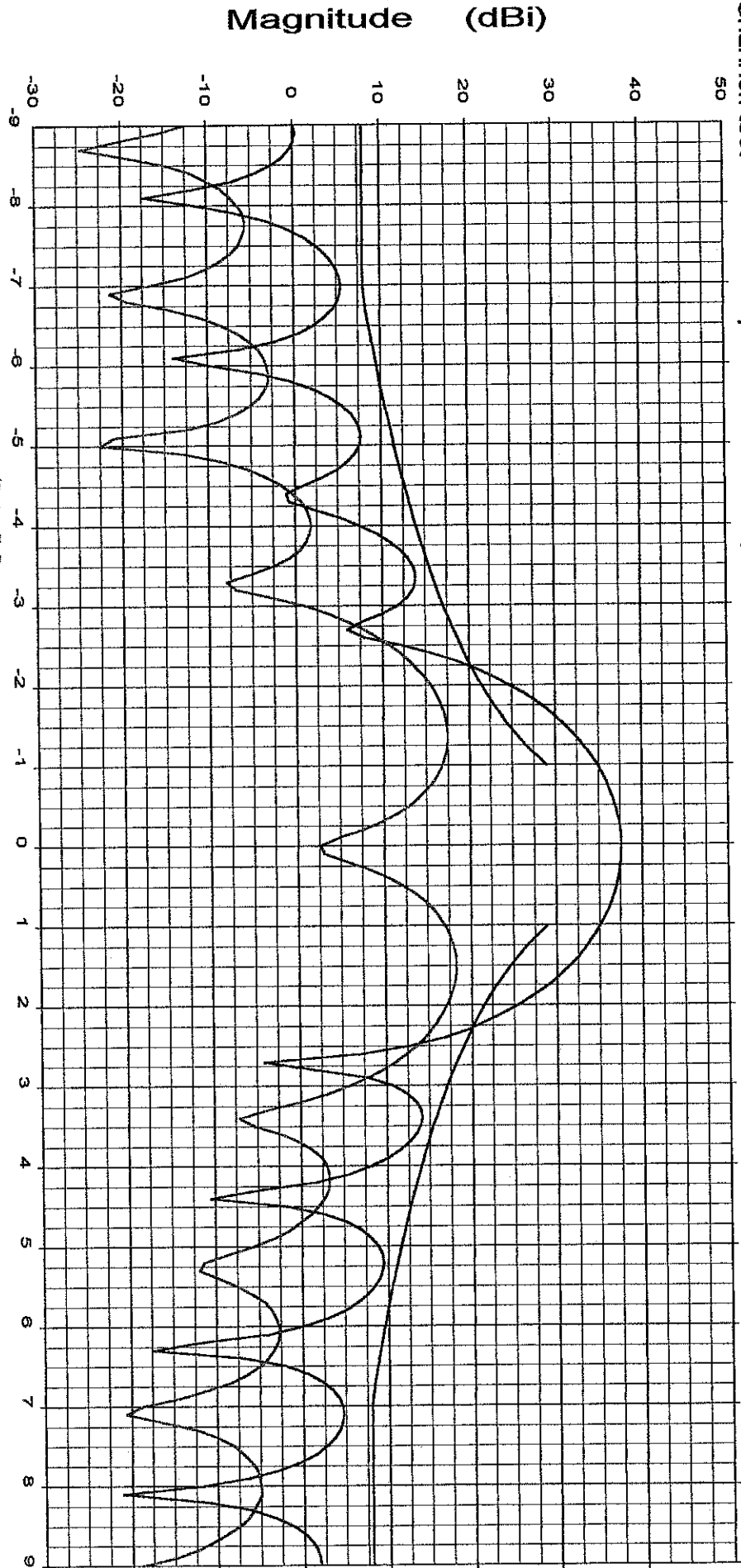
Operator: Ken Poovey

Prodellin 2.4M 4-Pc
Receive / Transmit
Offset Antenna System
C-Band Linear

Ser. no.:

Channel: test

TX pol: Horiz. Rx pol: Horiz.



Sidejobe Envelope: 29~-25Log(Theta)~100Lamda/D to 7 Deg
8 dBi~7 to 9.2 Deg | 32~-25Log(Theta)~9.2 to 48 Deg
-10 dBi~48 to 180 Deg

Overlays
064549.DAT-ant_under_test
064552.DAT-ant_under_test

Cal. file
064549.DAT
064552.DAT

units
dBi
dBi

Beam Peak	
Deg	dB
0.00	37.55
1.50	18.20

Azimuth (Deg)

File: See Legend

Prodelin 2.4M 4-Pc
Receive / Transmit
Offset Antenna System
C-Band Linear

Frequency : 3.950 GHz

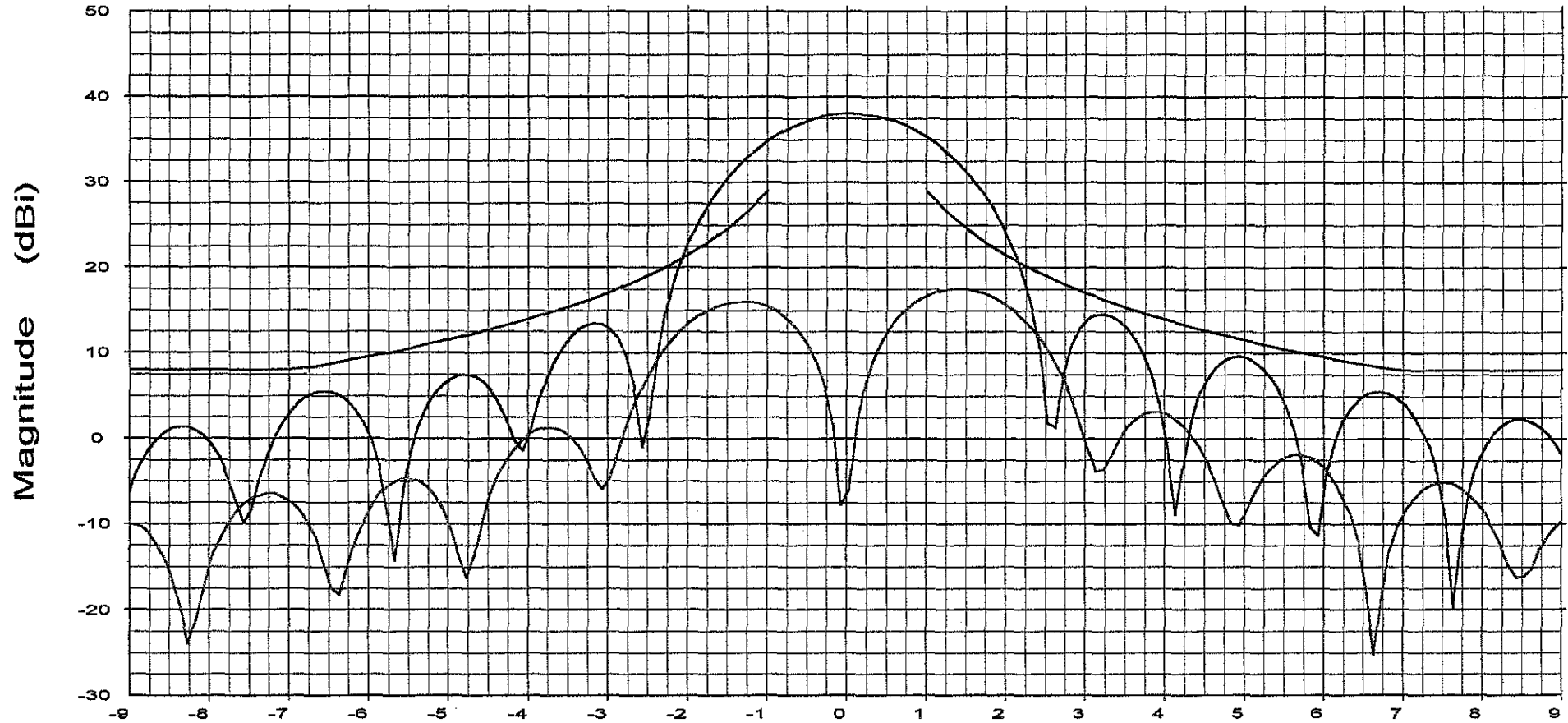
Operator: Ken Poovey

Ser. no.:

Channel: test

Tx pol: Horiz.

Rx pol: Horiz.



Sidelobe Envelope: $29 \sim 25 \log(\theta) \sim 100 \lambda / D$ to 7 Deg
 8 dBi ~ 7 to 9.2 Deg | $32 \sim 25 \log(\theta) \sim 9.2$ to 48 Deg
 -10 dBi ~ 48 to 180 Deg

Overlays

064549.DAT-ant_under_test

Cal. file

064549.DAT

units

dBi

Azimuth

Beam Peak

Deg

dB

0.03

38.02

1.33

17.52

064552.DAT-ant_under_test

064552.DAT

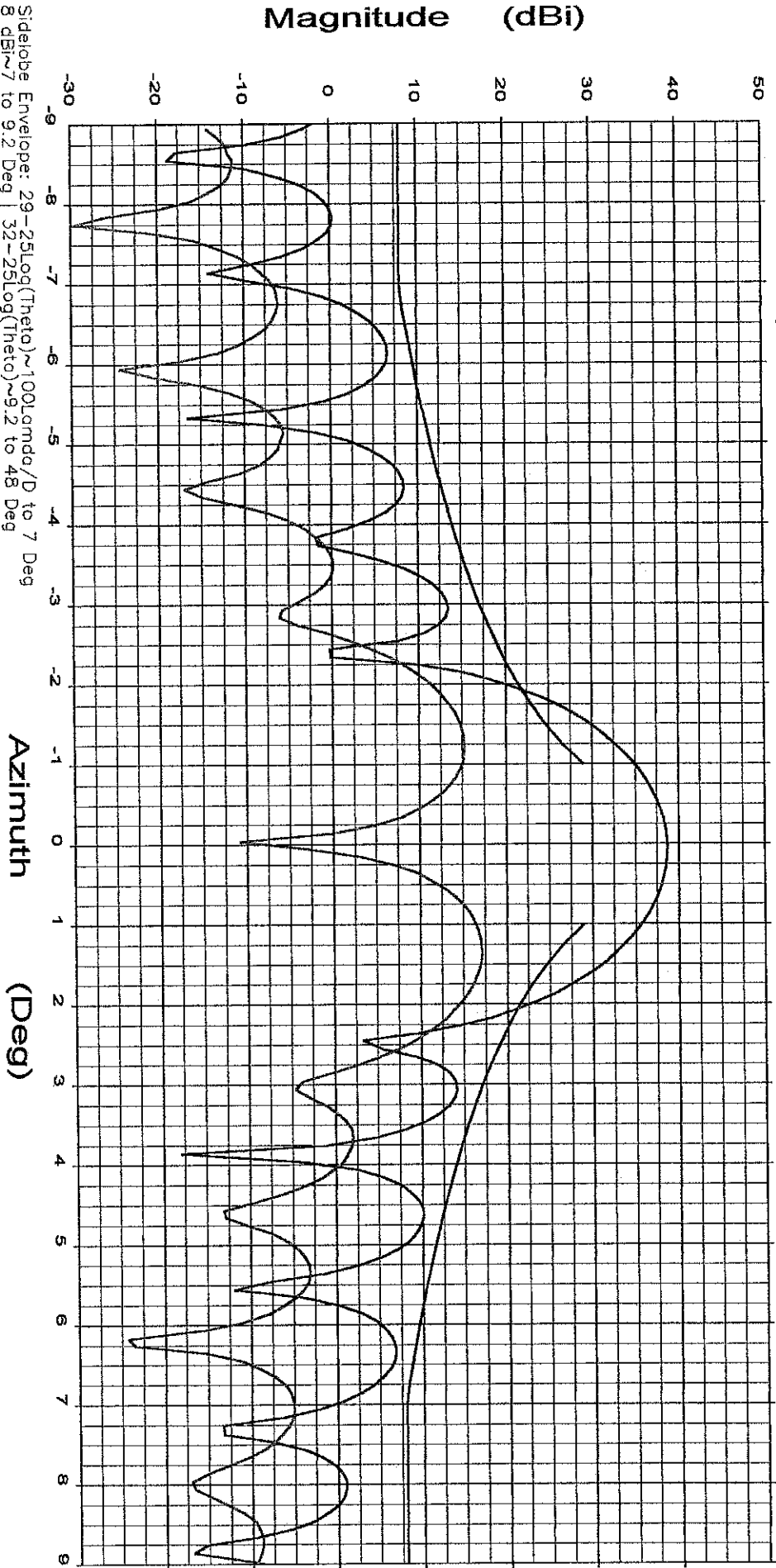
dBi

File: See Legend

Frequency : 4.200 GHz

Operator: Ken Poovey
Prodelin 2.4M 4-Pc
Receive / Transmit
Offset Antenna System
C-Band Linear

Ser. no.:
Channel: test
Tx pol: Horiz.
Rx pol: Horiz.



Sidejobs Envelope: 29-25Log(Theta)~100Lqmdc/D to 7 Deg
 8 dBi~7 to 9.2 Deg | 32-25Log(Theta)~9.2 to 48 Deg
 -10 dBi~48 to 180 Deg

Cal. file	units	Beam Peak
064549.DAT	dBi	0.06
064552.DAT	dBi	1.36
064549.DAT	dBi	38.63
064552.DAT	dBi	17.05

Azimuth (Deg)

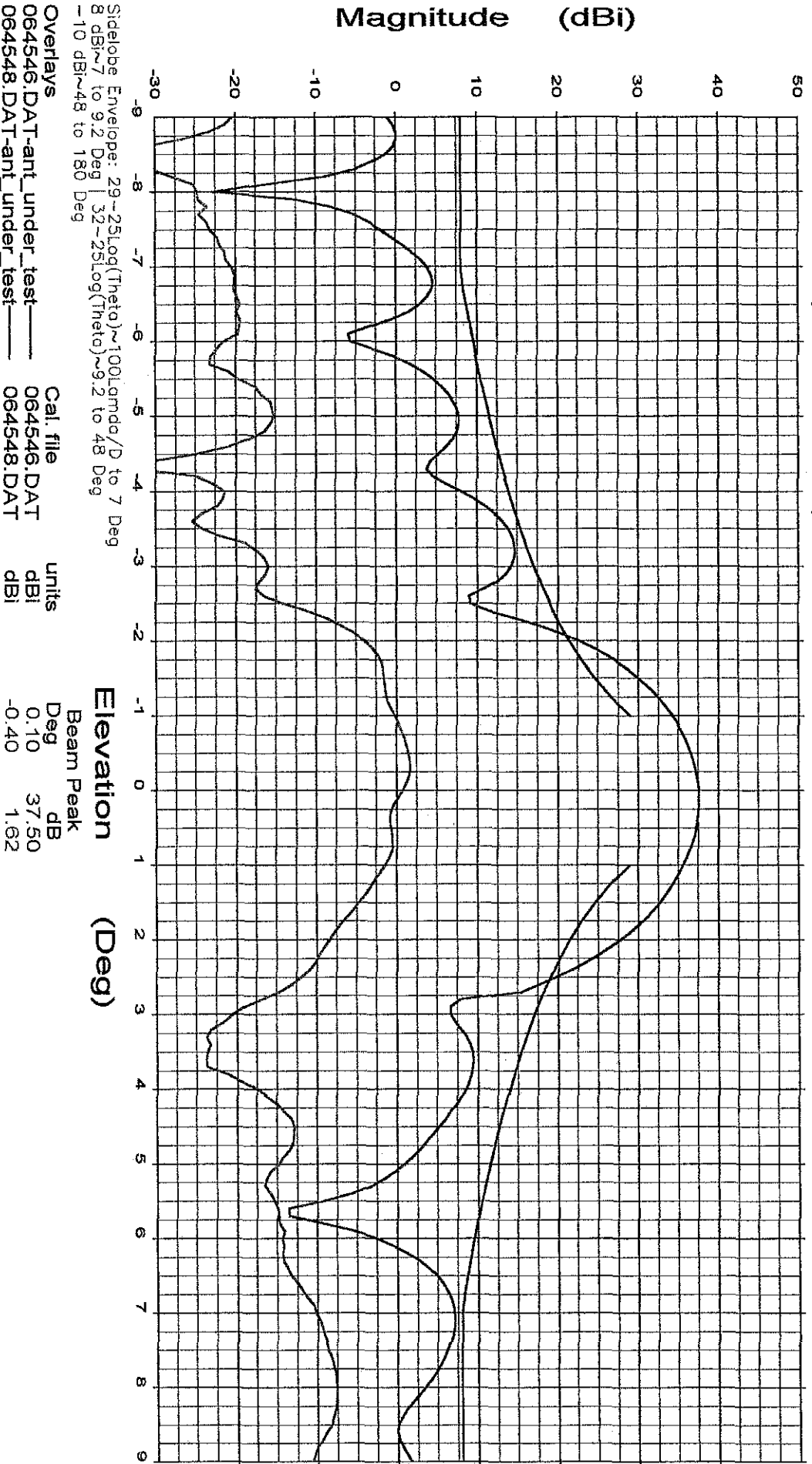
File: See Legend

Frequency : 3.700 GHz

Prodellin 2.4M 4-Pc
Receive / Transmit
Offset Antenna System
C-Band Linear

Operator: Ken Poovey

Ser. no.:
Channel: test Tx pol: Vert. Rx pol: Vert.

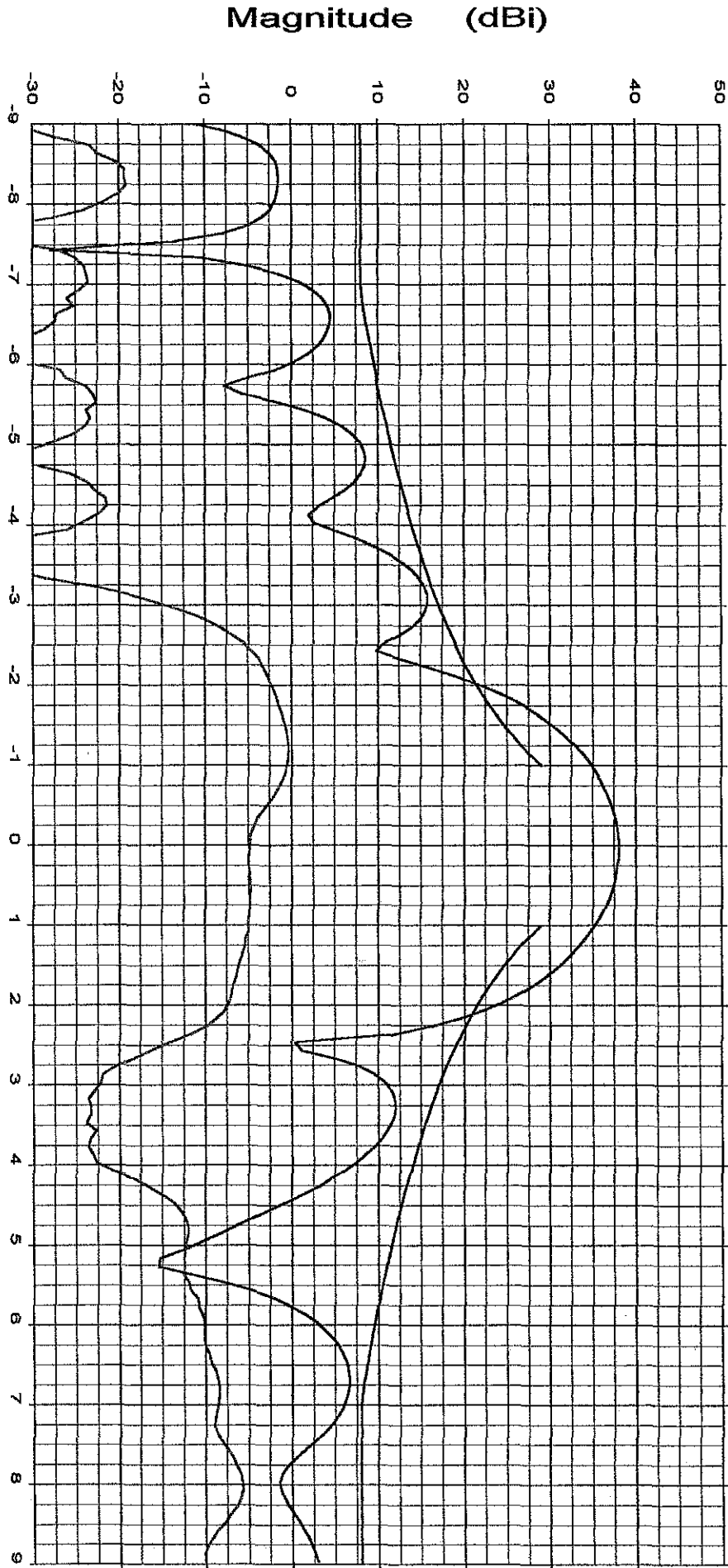


File: See Legend

Frequency : 3.950 GHz

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

Tx pol: Vert. Rx pol: Vert.



Sidelobe Envelope: 29-25Log(Theta)~100, lambda/D to 7 Deg
8 dBi~7 to 9.2 Deg | 32-25Log(Theta)~9.2 to 48 Deg
-10 dBi~48 to 180 Deg

Overlays	Cal. file	units	Elevation	Beam Peak
064545.DAT-ant_under_test	064545.DAT	dBi	0.07	37.99
064548.DAT-ant_under_test	064548.DAT	dBi	-1.23	-0.41

File: See Legend

Operator: Ken Poovey

Ser. no.:

Channel: test

Prodalin 2.4M 4-Pc
Receive / Transmit
Offset Antenna System
C-Band Linear

TX pol: Vert.

Rx pol: Vert.

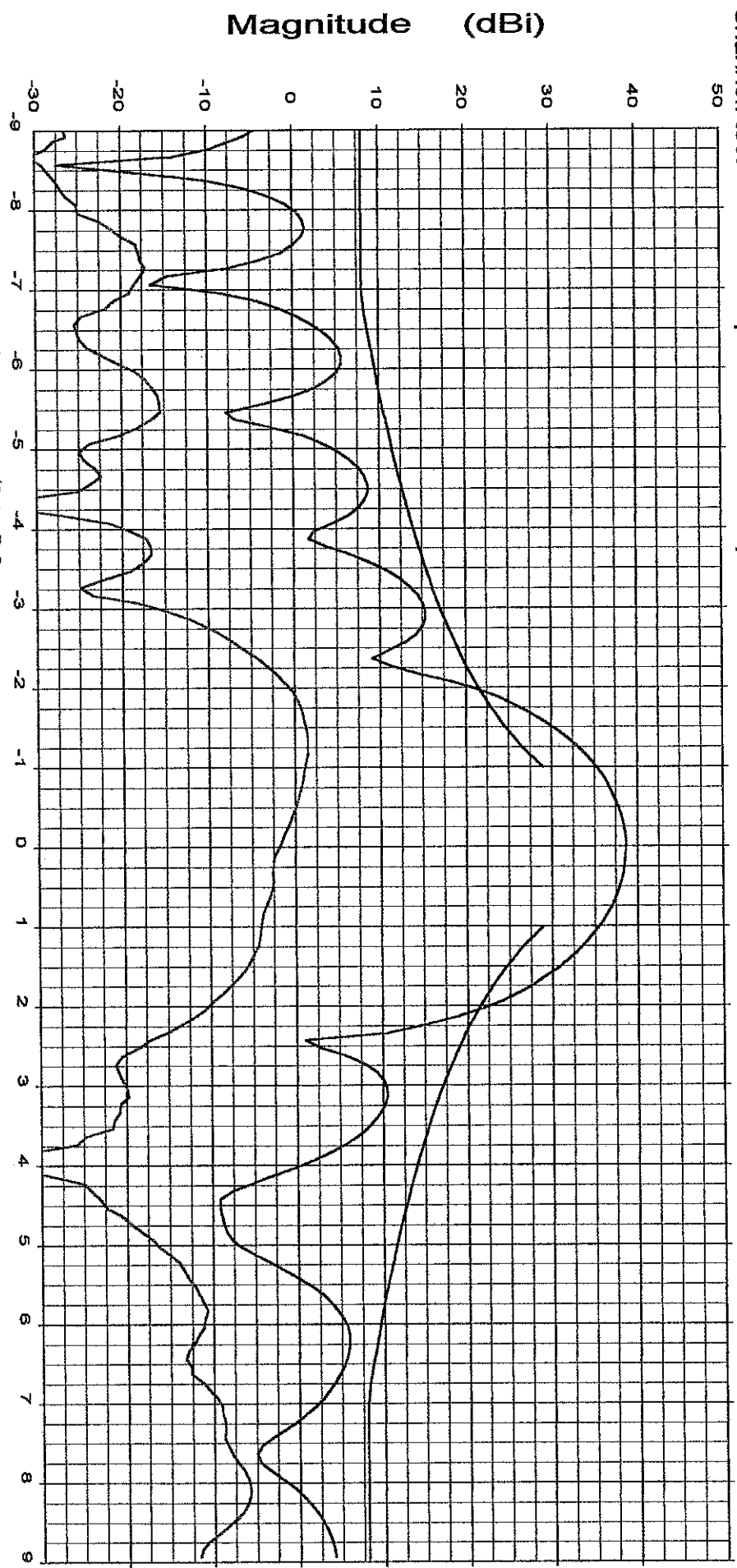
Frequency : 4.200 GHz

Sidelobe Envelope: 29-25Log(Theta)~100Lambda/D to 7 Deg
8 dBi~7 to 9.2 Deg | 32-25Log(Theta)~9.2 to 48 Deg
-10 dBi~48 to 180 Deg

Cal. file
064545.DAT
064548.DAT

units
dBi
dBi

Elevation Beam Peak
Deg dB
0.03 38.60
-1.26 1.49



File: See Legend

Prodelin 2.4M 4-Pc
Receive / Transmit
Offset Antenna System
C-Band Linear

Frequency : 3.700 GHz

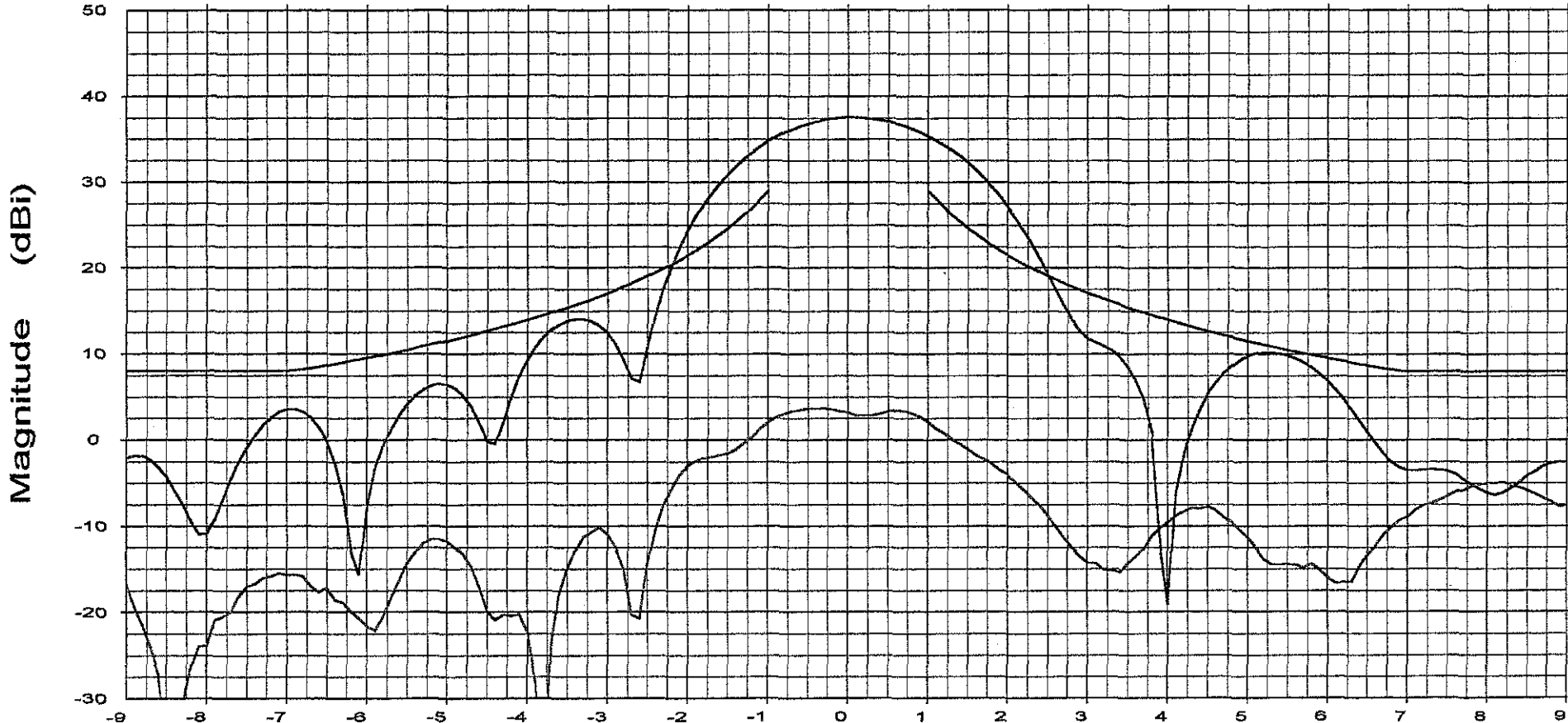
Operator: Ken Poovey

Ser. no.:

Channel: test

Tx pol: Horiz.

Rx pol: Horiz.



Sidelobe Envelope: $29 - 25 \log(\theta) \sim 100 \lambda / D$ to 7 Deg
 8 dBi ~ 7 to 9.2 Deg | $32 - 25 \log(\theta) \sim 9.2$ to 48 Deg
 -10 dBi ~ 48 to 180 Deg

Overlays
 064551.DAT-ant_under_test
 064553.DAT-ant_under_test

Cal. file	units
064551.DAT	dBi
064553.DAT	dBi

Elevation (Deg)

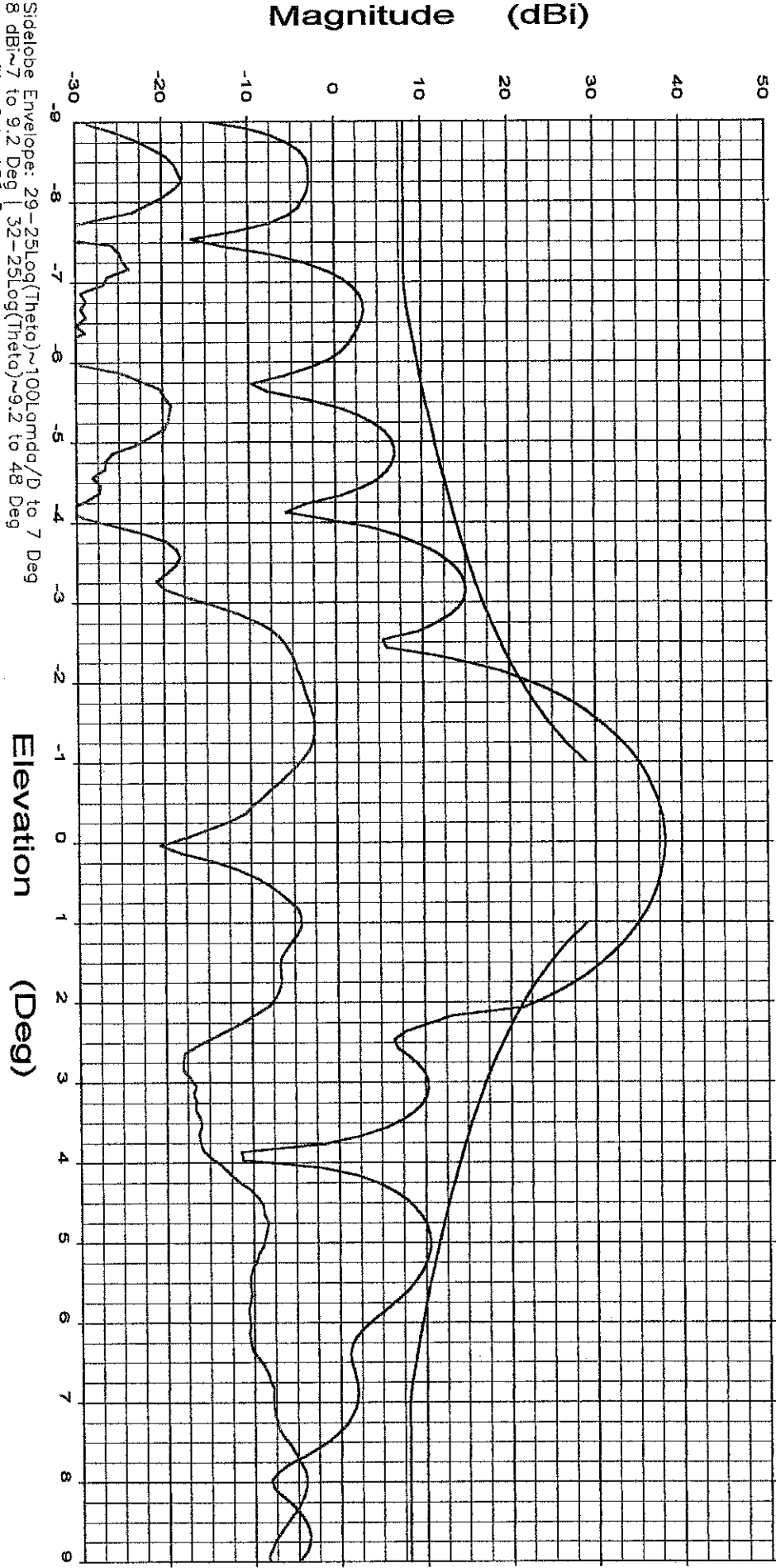
Beam Peak	
Deg	dB
0.00	37.52
-0.30	3.64

File: See Legend

Frequency : 3.950 GHz

Operator: Ken Poovey
Ser. no.:
Channel: test
Prodelin 2.4M 4-Pc
Receive / Transmit
Offset Antenna System
C-Band Linear

Tx pol: Horiz. Rx pol: Horiz.



Sidelobe Envelope: 29-25Log(Theta)~100Lamda/D to 7 Deg
8 dBi~7 to 9.2 Deg | 32-25Log(Theta)~9.2 to 48 Deg
-10 dBi~48 to 180 Deg

Overlays

064550.DAT-ant_under_test	064550.DAT	Cal. file
064553.DAT-ant_under_test	064553.DAT	

units	Beam Peak	dB
dBi	Deg	
dBi	-0.04	38.02
	-1.37	-2.59

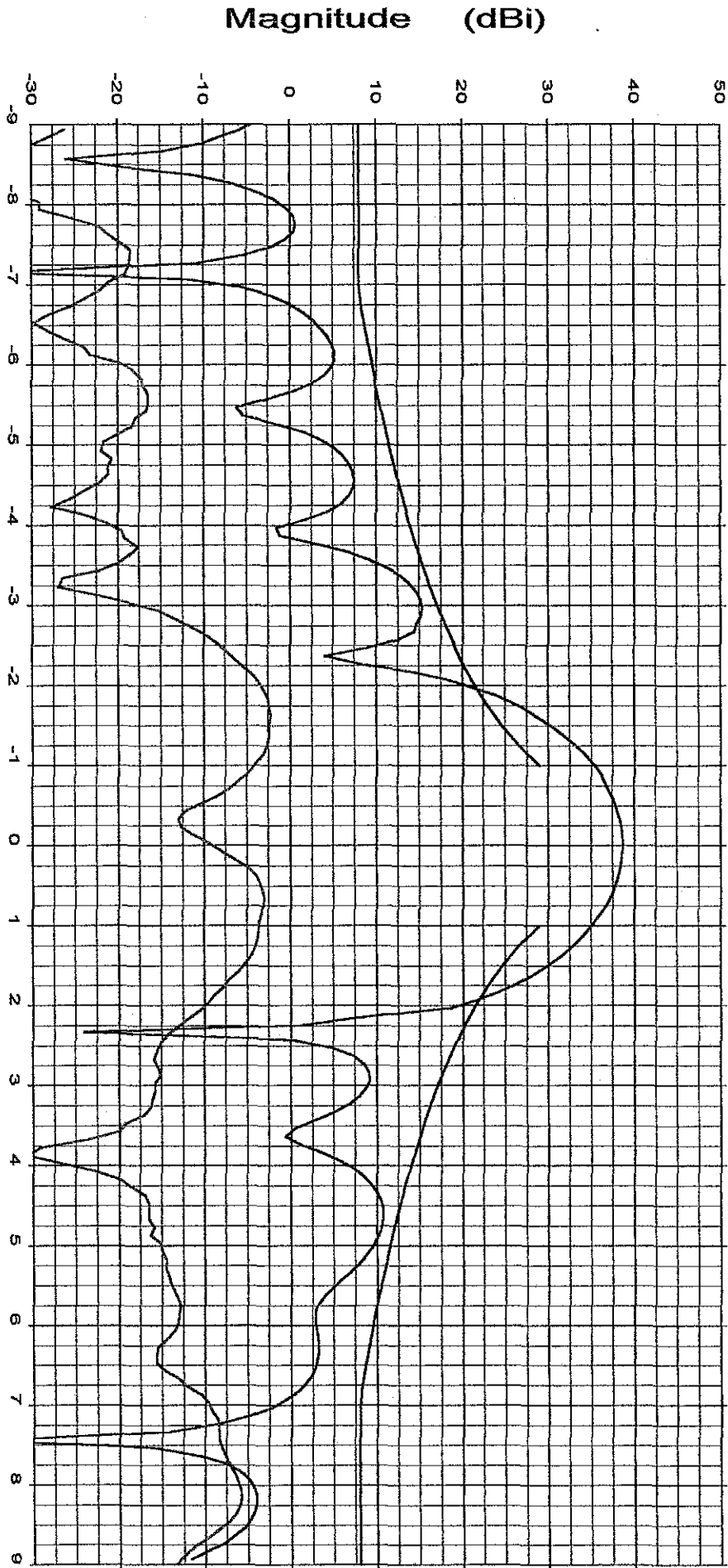
Elevation (Deg)

File: See Legend

Frequency : 4.200 GHz

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

Tx pol: Horiz. Rx pol: Horiz.



Sidelobe Envelope: 29~25Log(Theta)~100:omega/D to 7 Deg
8 dBi~7 to 9.2 Deg | 32~25Log(Theta)~9.2 to 48 Deg
-10 dBi~48 to 180 Deg

Overlays
064550.DAT-ant_under_test
064553.DAT-ant_under_test

Cal. file
064550.DAT
064553.DAT

units
dBi
dBi

Beam Peak
Deg
0.03
-1.63

dB
38.60
-2.31

Elevation (Deg)

File: See Legend

Prodelin 2.4M 4-Pc
Receive / Transmit
Offset Antenna System
C-Band Linear

Frequency : 3.700 GHz

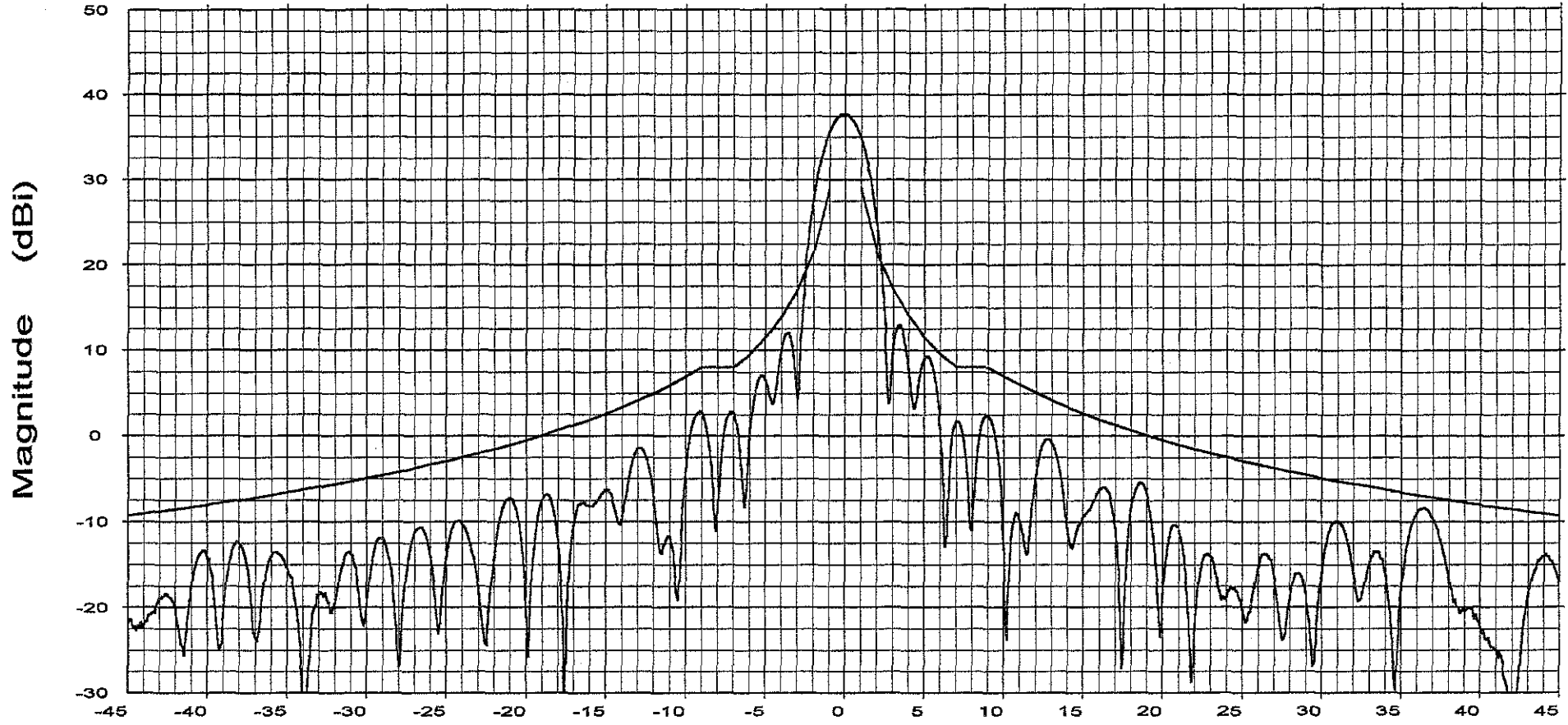
Operator: Ken Poovey

Ser. no.:

Channel: test

Tx pol: Vert.

Rx pol: Vert.



Sidelobe Envelope: $29-25\text{Log}(\text{Theta}) \sim 100\text{Lambda}/D$ to 7 Deg
 8 dBi ~ 7 to 9.2 Deg | $32-25\text{Log}(\text{Theta}) \sim 9.2$ to 48 Deg
 -10 dBi ~ 48 to 180 Deg

Azimuth (Deg)

Overlays

064544.DAT-ant_under_test

Cal. file

064544.DAT

units

dBi

Beam Peak

Deg

-0.10

dB

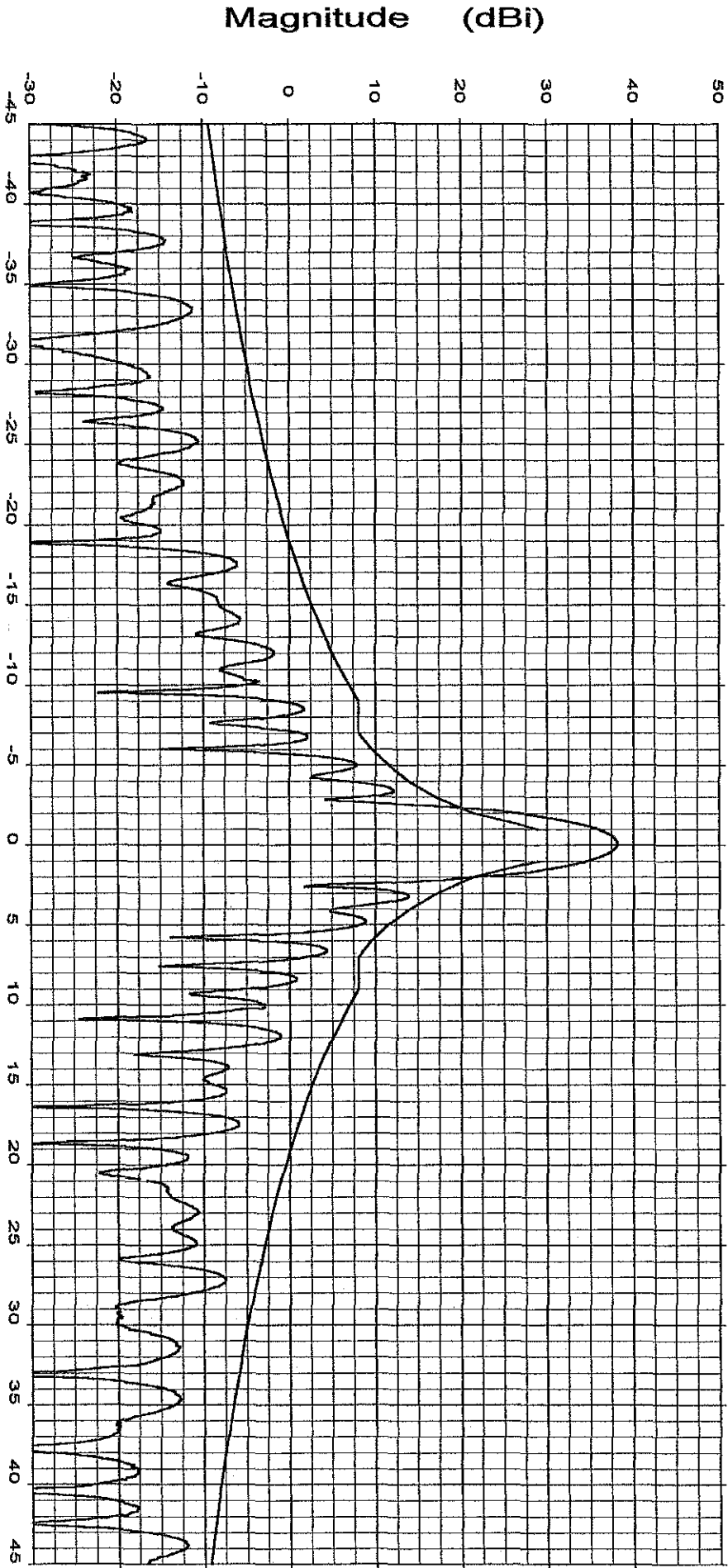
37.66

File: See Legend

Frequency : 3.950 GHz

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

Tx pol: Vert. Rx pol: Vert.



Sidelobe Envelope: 29-25Log(Theta)~100, lambda/D to 7 Deg
8 dBi~7 to 9.2 Deg 32-25Log(Theta)~9.2 to 48 Deg
-10 dBi~48 to 180 Deg

Overlays
064544.DAT-ant_under_test

Cal. file
064544.DAT

units
dBi

Azimuth (Deg)

Beam Peak
Deg
-0.13 38.10

File: See Legend

Prodelin 2.4M 4-Pc
Receive / Transmit
Offset Antenna System
C-Band Linear

Frequency : 4.200 GHz

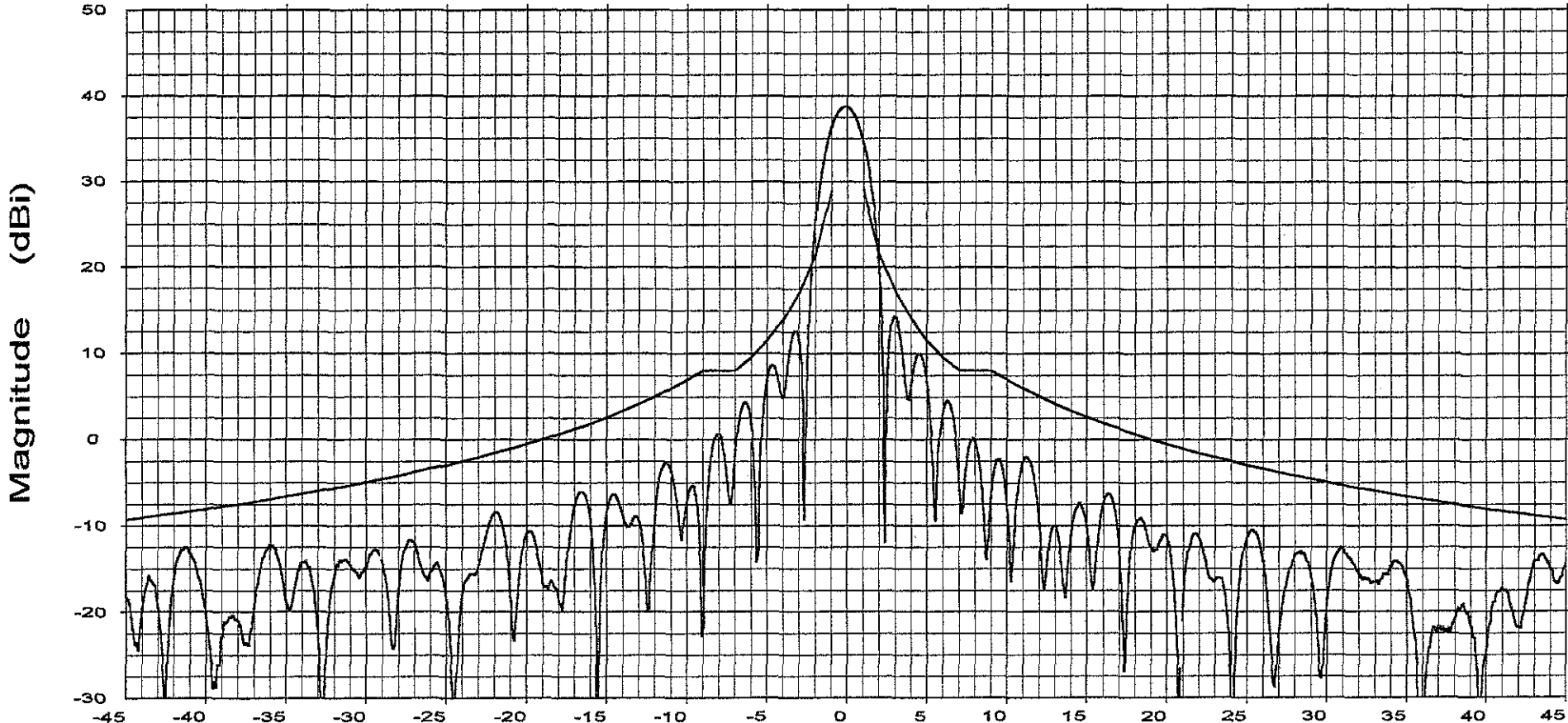
Operator: Ken Poovey

Ser. no.:

Channel: test

Tx pol: Vert.

Rx pol: Vert.



Sidelobe Envelope: $29 - 25 \log(\theta) \sim 100 \lambda / D$ to 7 Deg
 8 dBi ~ 7 to 9.2 Deg | $32 - 25 \log(\theta) \sim 9.2$ to 48 Deg
 -10 dBi ~ 48 to 180 Deg

Azimuth (Deg)

Overlays
064544.DAT-ant_under_test

Cal. file	units
064544.DAT	dBi

Beam Peak	
Deg	dB
-0.16	38.70

File: See Legend

Prodelin 2.4M 4-Pc
Receive / Transmit
Offset Antenna System
C-Band Linear

Frequency : 3.700 GHz

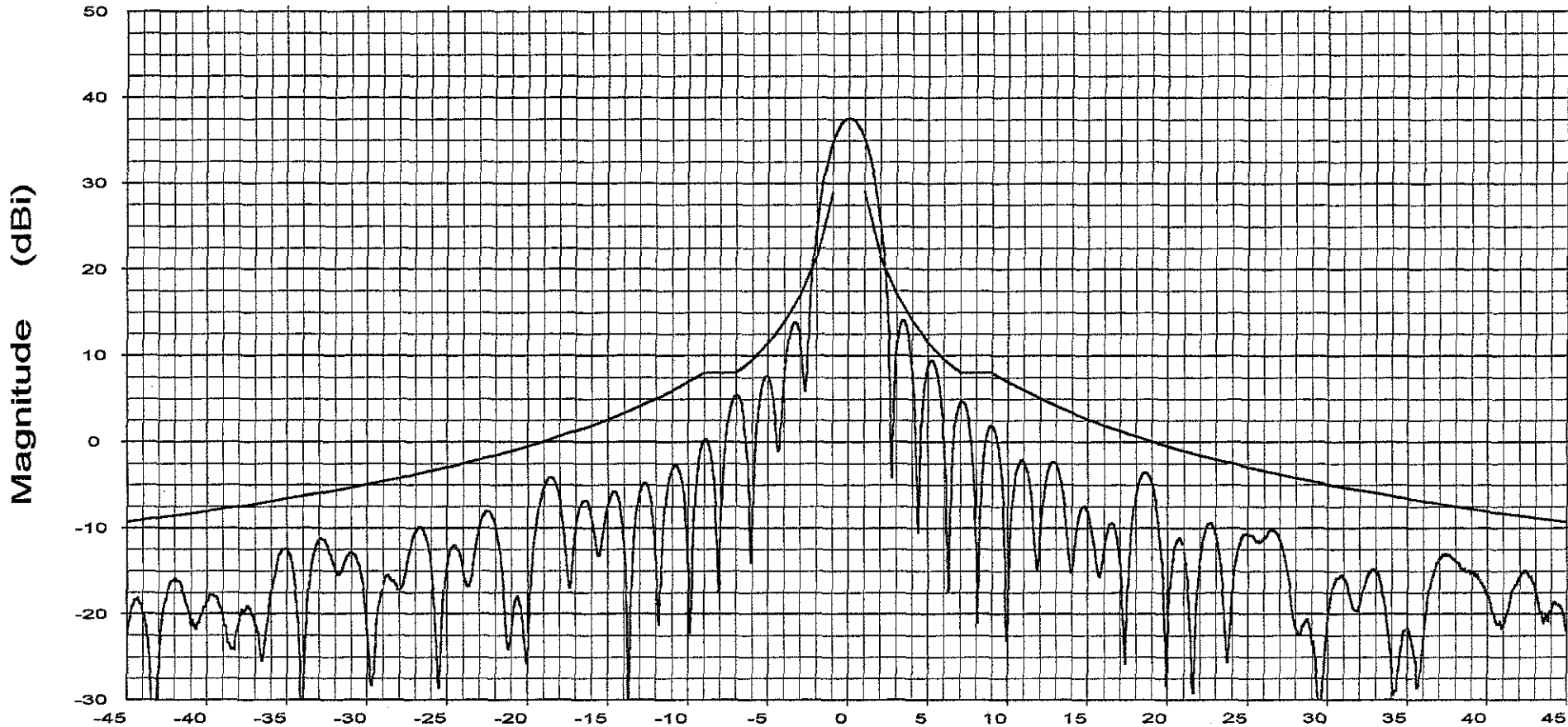
Operator: Ken Poovey

Ser. no.:

Channel: test

Tx pol: Horiz.

Rx pol: Horiz.



Sidelobe Envelope: $29-25\text{Log}(\text{Theta}) \sim 100\text{Lambda}/D$ to 7 Deg
 8 dBi ~ 7 to 9.2 Deg | $32-25\text{Log}(\text{Theta}) \sim 9.2$ to 48 Deg
 -10 dBi ~ 48 to 180 Deg

Overlays
 064549.DAT-ant_under_test

Cal. file
 064549.DAT

units
 dBi

Azimuth (Deg)

Beam Peak
 Deg dB
 0.00 37.55

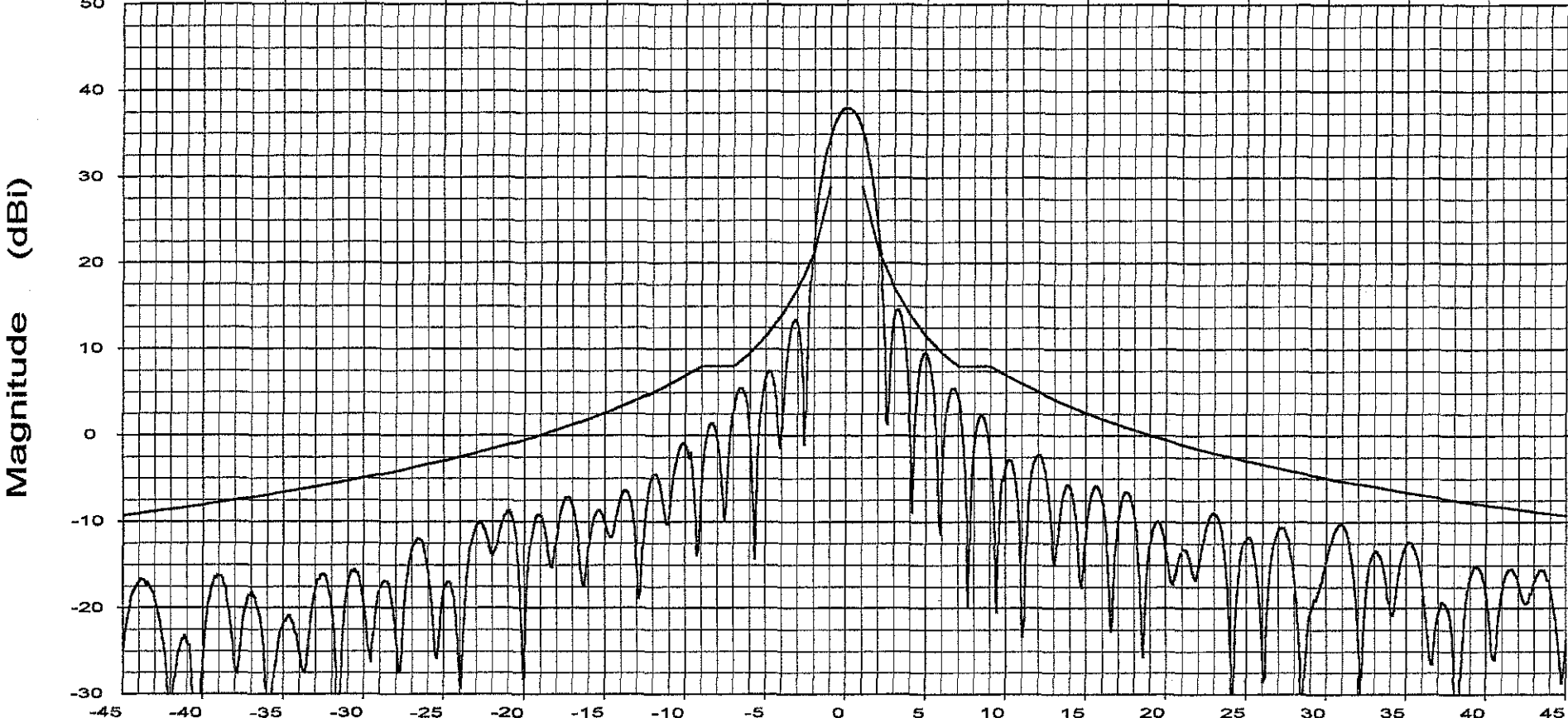
File: See Legend

Prodelin 2.4M 4-Pc
Receive / Transmit
Offset Antenna System
C-Band Linear

Frequency : 3.950 GHz

Operator: Ken Poovey
Ser. no.:

Channel: test Tx pol: Horiz. Rx pol: Horiz.



Sidelobe Envelope: $29 - 25 \log(\theta) \sim 100 \lambda / D$ to 7 Deg
8 dBi ~ 7 to 9.2 Deg | $32 - 25 \log(\theta) \sim 9.2$ to 48 Deg
-10 dBi ~ 48 to 180 Deg

Azimuth (Deg)

Overlays
064549.DAT-ant_under_test

Cal. file units
064549.DAT dBi

Beam Peak
Deg dB
0.03 38.02

File: See Legend

Prodelin 2.4M 4-Pc
Receive / Transmit
Offset Antenna System
C-Band Linear

Frequency : 4.200 GHz

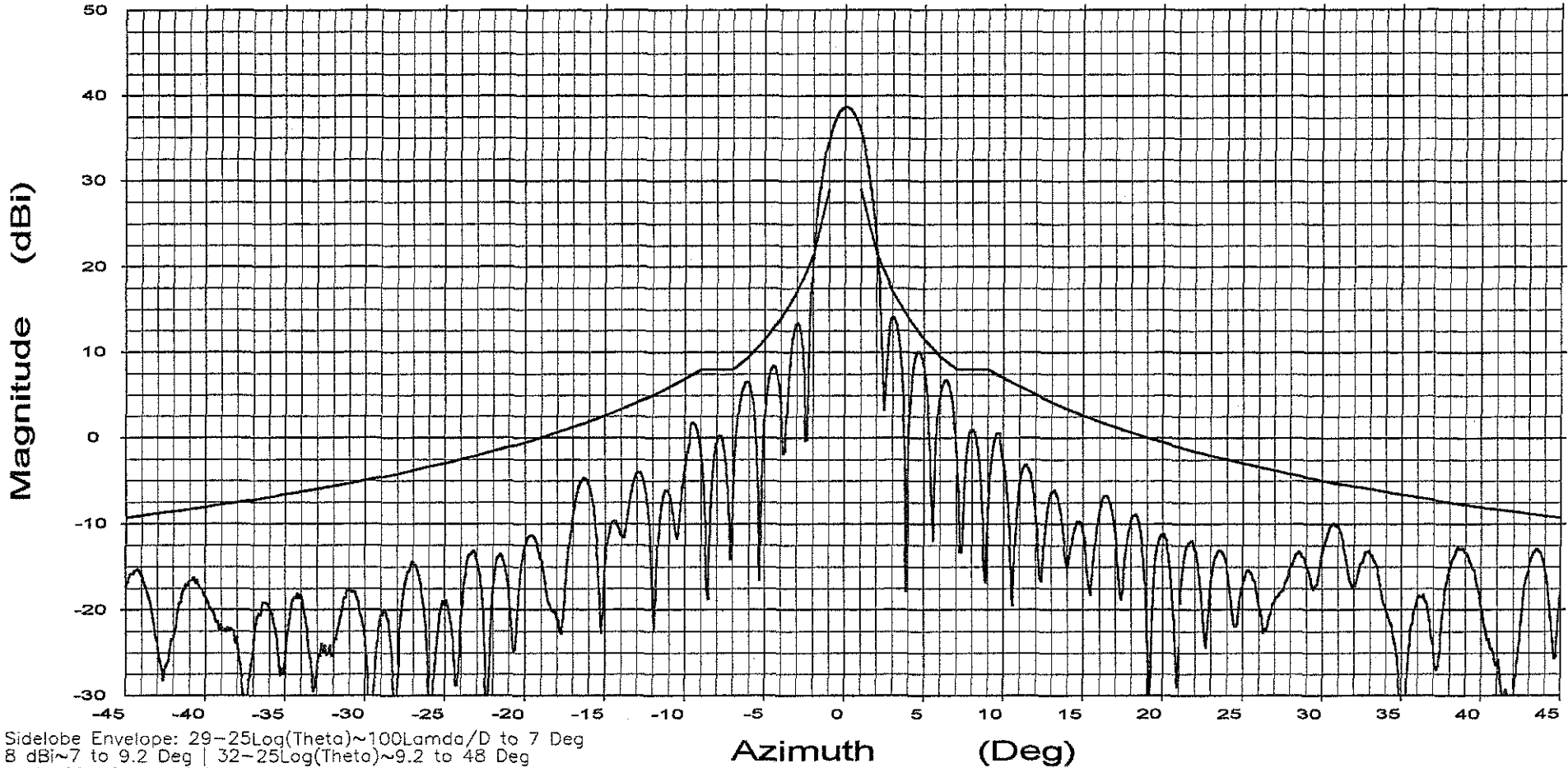
Operator: Ken Poovey

Ser. no.:

Channel: test

Tx pol: Horiz.

Rx pol: Horiz.



Sidelobe Envelope: $29-25\text{Log}(\text{Theta}) \sim 100\text{Lambda}/D$ to 7 Deg
8 dBi~7 to 9.2 Deg | $32-25\text{Log}(\text{Theta}) \sim 9.2$ to 48 Deg
-10 dBi~48 to 180 Deg

Overlays
064549.DAT-ant_under_test

Cal. file units
064549.DAT dBi

Azimuth (Deg)

Beam Peak
Deg dB
0.06 38.63

File: See Legend

Prodelin 2.4M 4-Pc
Receive / Transmit
Offset Antenna System
C-Band Linear

Frequency : 3.950 GHz

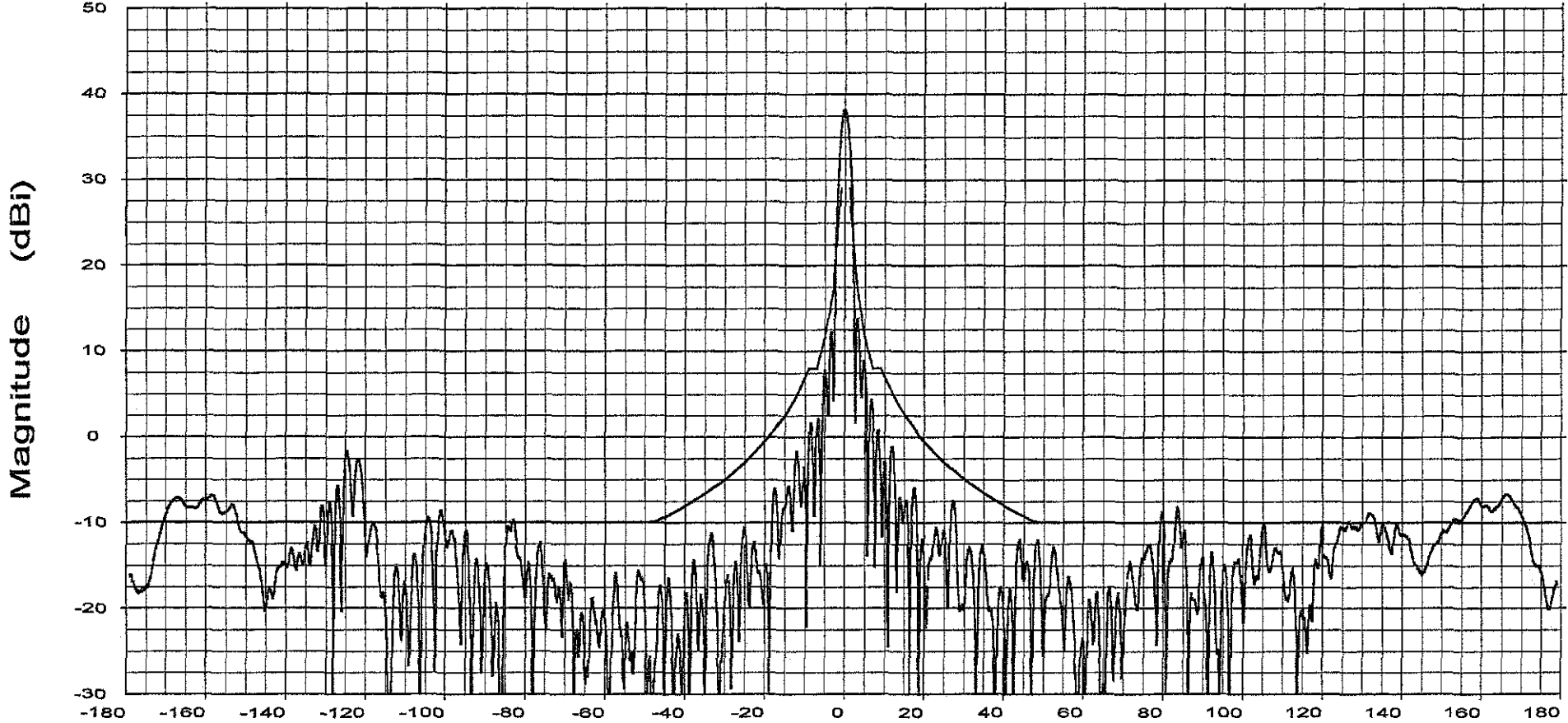
Operator: Ken Poovey

Ser. no.:

Channel: test

Tx pol: Vert.

Rx pol: Vert.



Sidelobe Envelope: $29 - 25 \log(\theta) \sim 100 \lambda / D$ to 7 Deg
 8 dBi ~ 7 to 9.2 Deg | $32 - 25 \log(\theta) \sim 9.2$ to 48 Deg
 -10 dBi ~ 48 to 180 Deg

Azimuth (Deg)

Beam Peak	
Deg	dB
-0.13	38.10

Overlays
 064544.DAT-ant_under_test

Cal. file units
 064544.DAT dBi

File: See Legend

Prodelin 2.4M 4-Pc
Receive / Transmit
Offset Antenna System
C-Band Linear

Frequency : 3.950 GHz

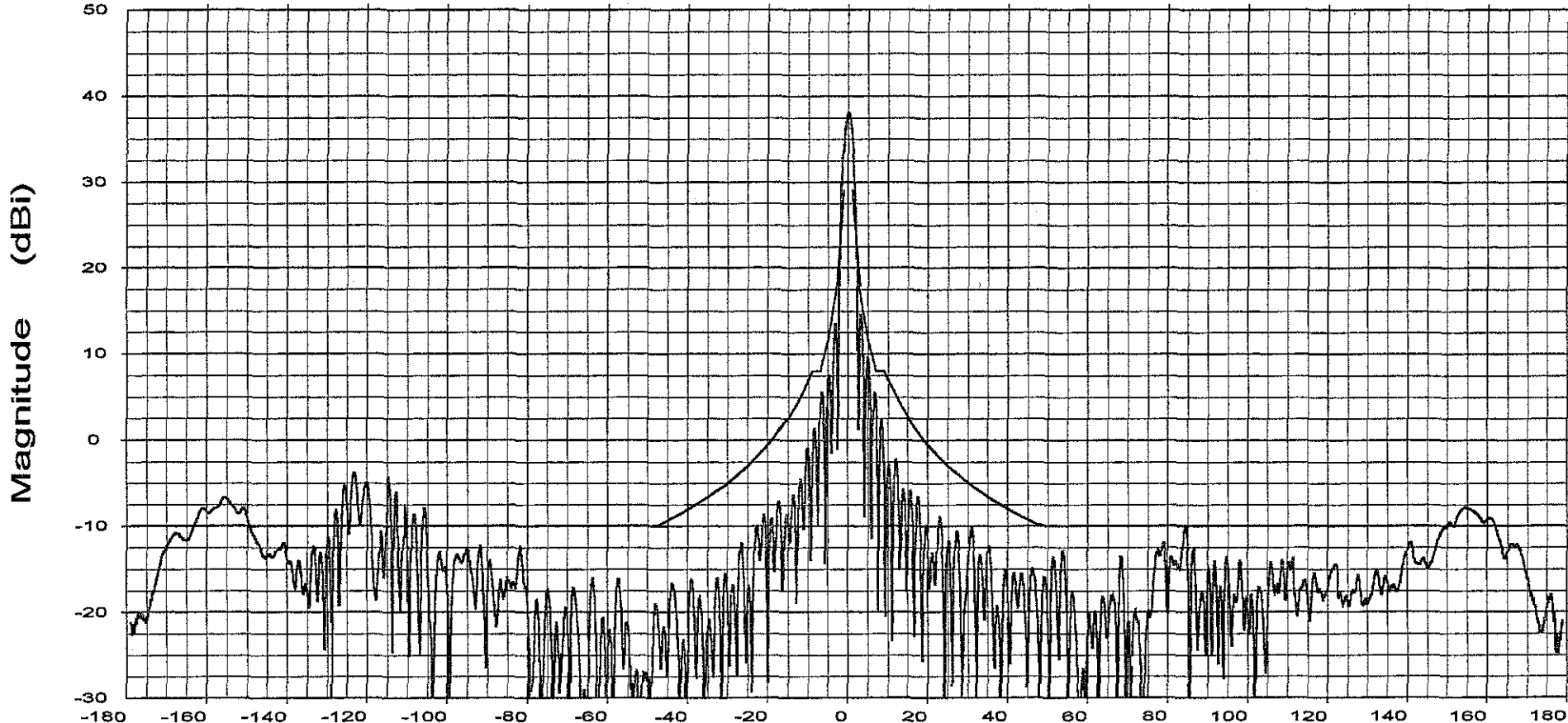
Operator: Ken Poovey

Ser. no.:

Channel: test

Tx pol: Horiz.

Rx pol: Horiz.



Sidelobe Envelope: $29 - 25 \log(\theta) \sim 100 \lambda / D$ to 7 Deg
 8 dBi ~ 7 to 9.2 Deg | $32 - 25 \log(\theta) \sim 9.2$ to 48 Deg
 -10 dBi ~ 48 to 180 Deg

Azimuth (Deg)

Overlays
064549.DAT-ant_under_test

Cal. file	units
064549.DAT	dBi

Beam Peak	
Deg	dB
0.03	38.02