



VERITAS 2.4
WRITTEN BY JERRY M. WARD

Tuesday, January 21, 1997

5:50 PM

Local Time:

CUSTOMER: VERTEX COMM.

SATELLITE: LONG RANGE

SITE: VCC TEST RANGE

TRANSPONDERS: N/A

WEATHER: 9.0M CASSEGRAIN

JOB NUMBER: 5133

ANTENNA: OVERCAST

TEST ENGINEER: JR CROWDER

Comments

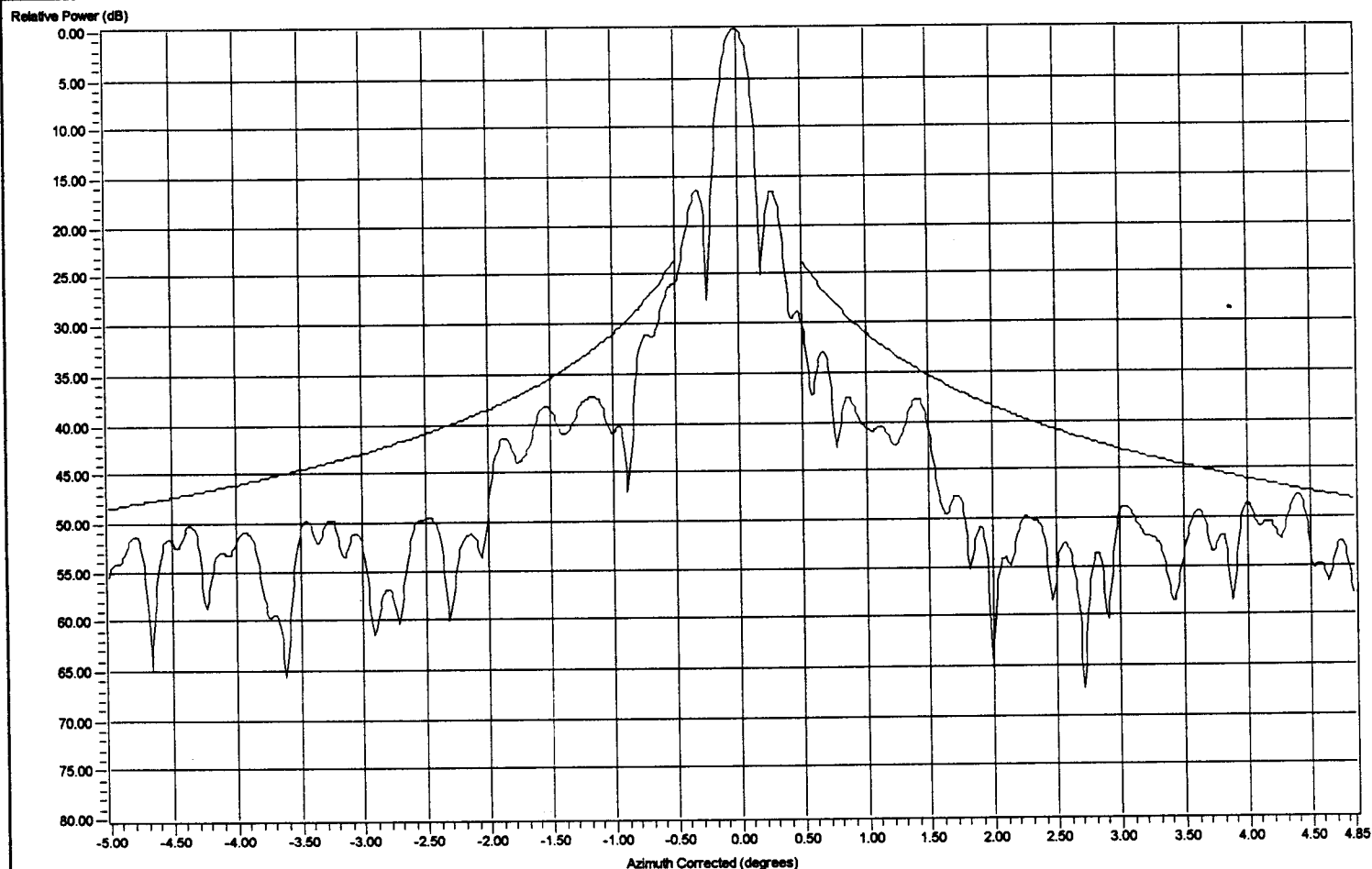
Pattern ran CW

Copolarization Pattern and Applied Curve

Save pattern to file

Applied Curve: ☒ Custom Curve

Exit



Pattern Information

Frequency Band: Transmit
Polarization: HORIZONTAL
Beginning: -5.00 degrees
Ending Angle: 4.86 degrees
Test Frequency: 13.7500 GHz

Antenna Information

Beam Center: Azimuth: 0.000
Elevation: 1.800
Specified Gain: 60.00 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
Video Bandwidth: 3.0000 Hz
Sweep Time: 20.0 sec
Reference Level: -29.97 dB
Center Frequency: 13.7500 GHz

Use Ctrl-H to see information and instructions on specific fields in this panel.



VERITAS TRC TRACE RECALL

WRITTEN BY JERRY M. WARD

Wednesday, January 22, 1997

9:08 AM

Time of Pattern:

Tuesday, January 21, 1997 6:16 PM

CUSTOMER: VERTEX COMM.
SITE: VCC TEST RANGE
ANTENNA: OVERCAST
WEATHER: 9.0M CASSEGRAIN

SATELLITE: LONG RANGE
TRANSPONDER: N/A
JOB NUMBER: 5133
TEST ENGINEER: JR CROWDER

Comments:

Pattern ran CW

Copolarization Pattern and Applied Curve

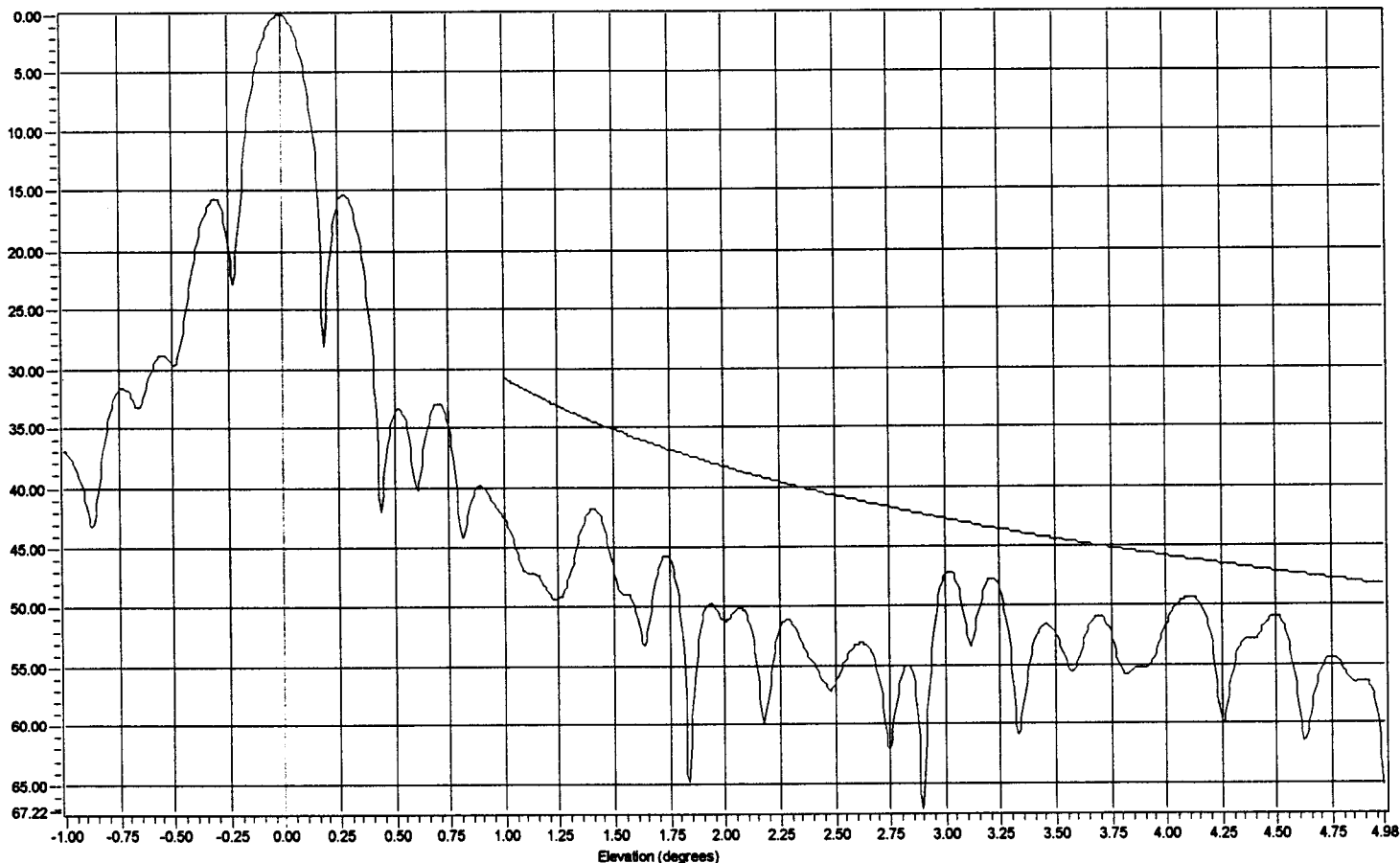
Applied Curve: 29-25 log theta

Write Data File

Tool box

Recall

Exit



Pattern Information

Frequency Band: Transmit
Polarization: HORIZONTAL
Beginning Angle: -1.00 degrees
Ending Angle: 4.99 degrees
Test Frequency: 13.7500 GHz

Antenna Information

Beam Center: Azimuth: 0.00
Elevation: 1.80
Specified Gain: 59.80 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
Center Frequency: 13.7500 GHz
Video Bandwidth: 3.0000 Hz
Reference Level: -29.65 dB
Sweep Time: 20.0 sec

Use Ctrl-H to see information and instructions on specific fields in this panel.



VERITAS 2.4

WRITTEN BY JERRY M. WARD

Wednesday, January 22, 1997

8:43 AM

Local Time:

CUSTOMER: VERTEX COMM.

SATELLITE: LONG RANGE

Comments

SITE: VCC TEST RANGE

TRANSPONDERS: N/A

WEATHER: PARTLY CLOUDY

JOB NUMBER: 5133

ANTENNA: 9.0m CASSEGRAIN

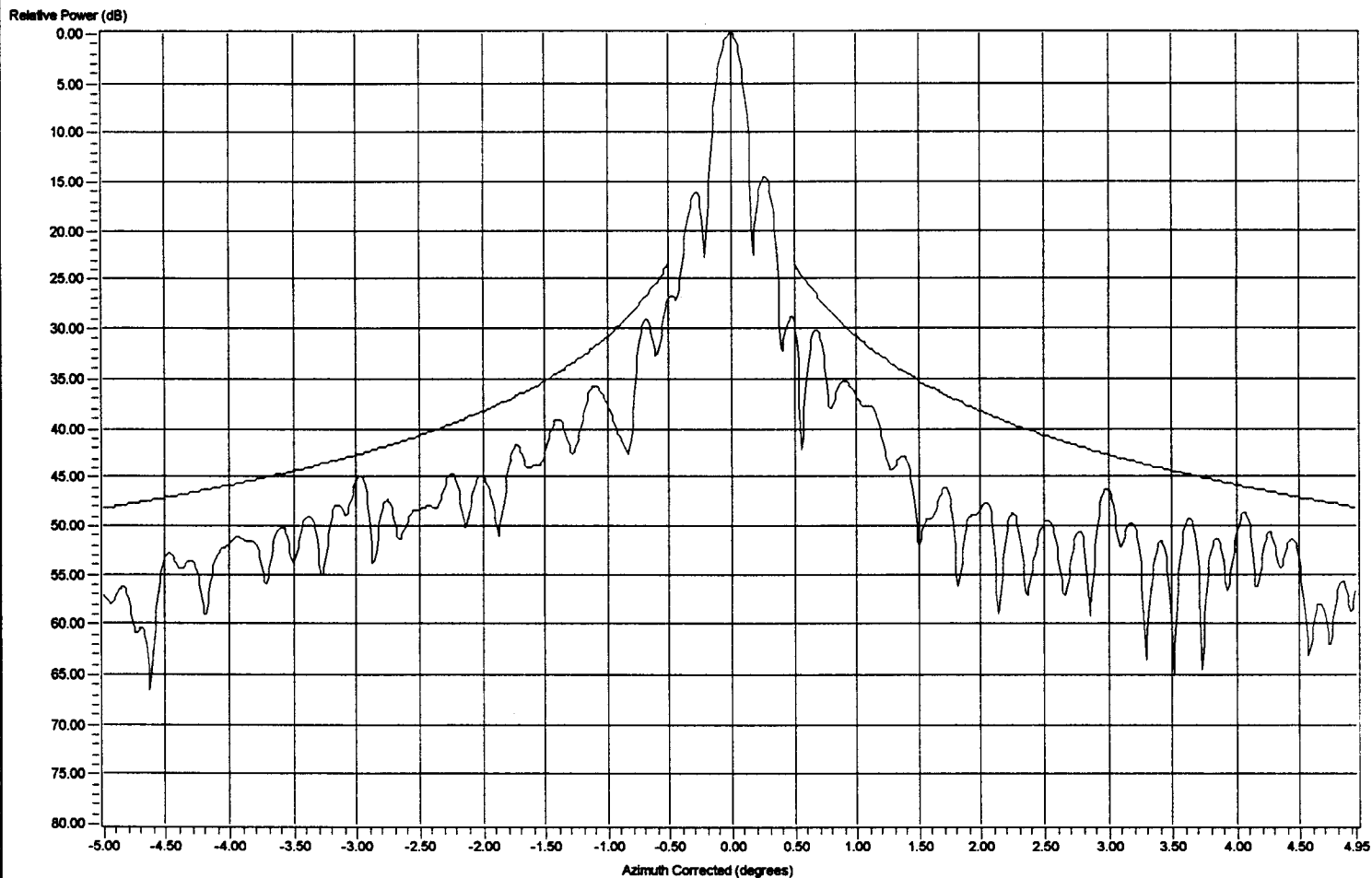
TEST ENGINEER: J.R. CROWDER

Copolarization Pattern and Applied Curve

Save pattern to file

Applied Curve: ☒ Custom Curve

Exit



Pattern Information

Frequency Band: Transmit
Polarization: VERTICAL
Beginning: -5.00 degrees
Ending Angle: 4.96 degrees
Test Frequency: 13.7500 GHz

Antenna Information

Beam Center: Azimuth: 0.000
Elevation: 1.800
Specified Gain: 59.80 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
Video Bandwidth: 3.0000 Hz
Sweep Time: 20.0 sec
Reference Level: -32.24 dB
Center Frequency: 13.7500 GHz

Use Ctrl-H to see information and instructions on specific fields in this panel.



VERITAS 2.4

WRITTEN BY JERRY M. WARD

Wednesday, January 22, 1997

8:04 AM

Local Time:

CUSTOMER: VERTEX COMM.

SATELLITE: LONG RANGE

Comments

SITE: VCC TEST RANGE

TRANSPONDERS: N/A

WEATHER: PARTLY CLOUDY

JOB NUMBER: 5133

ANTENNA: 9.0m CASSEGRAIN

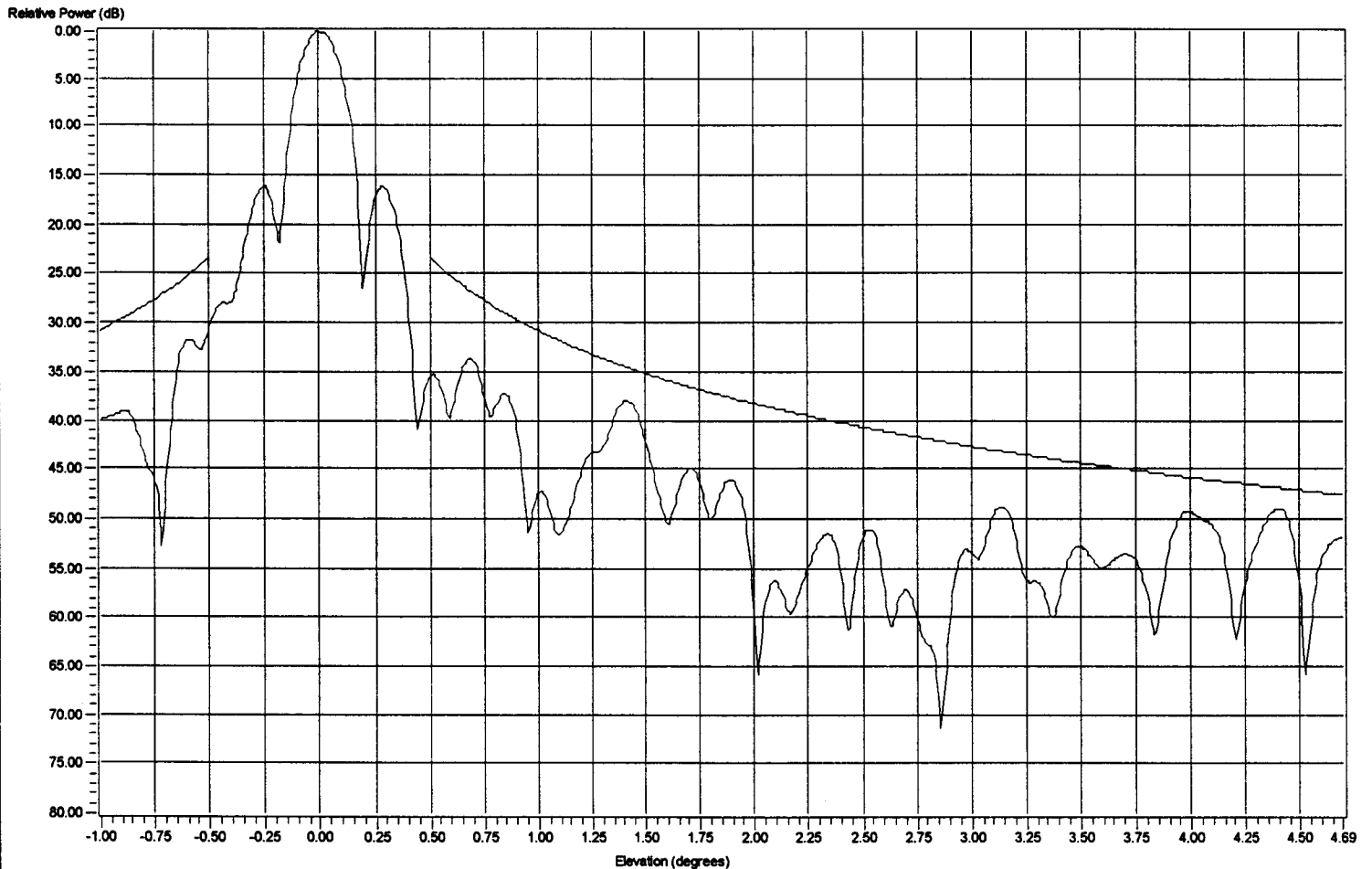
TEST ENGINEER: J.R. CROWDER

Copolarization Pattern and Applied Curve

Save pattern to file

Applied Curve: Custom Curve

Exit



Pattern Information

Frequency Band: Transmit
Polarization: VERTICAL
Beginning: -1.00 degrees
Ending Angle: 4.70 degrees
Test Frequency: 13.7500 GHz

Antenna Information

Beam Center: Azimuth: 0.000
Elevation: 1.800
Specified Gain: 59.80 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
Video Bandwidth: 3.0000 Hz
Sweep Time: 20.0 sec
Reference Level: -31.76 dB
Center Frequency: 13.7500 GHz

Use Ctrl-H to see information and instructions on specific fields in this panel.



CUSTOMER: VERTEX COMM.

SATELLITE: LONG RANGE

Comments

SITE: VCC TEST RANGE

TRANSPONDERS: N/A

WEATHER: 9.0M CASSEGRAIN

JOB NUMBER: 5133

ANTENNA: OVERCAST

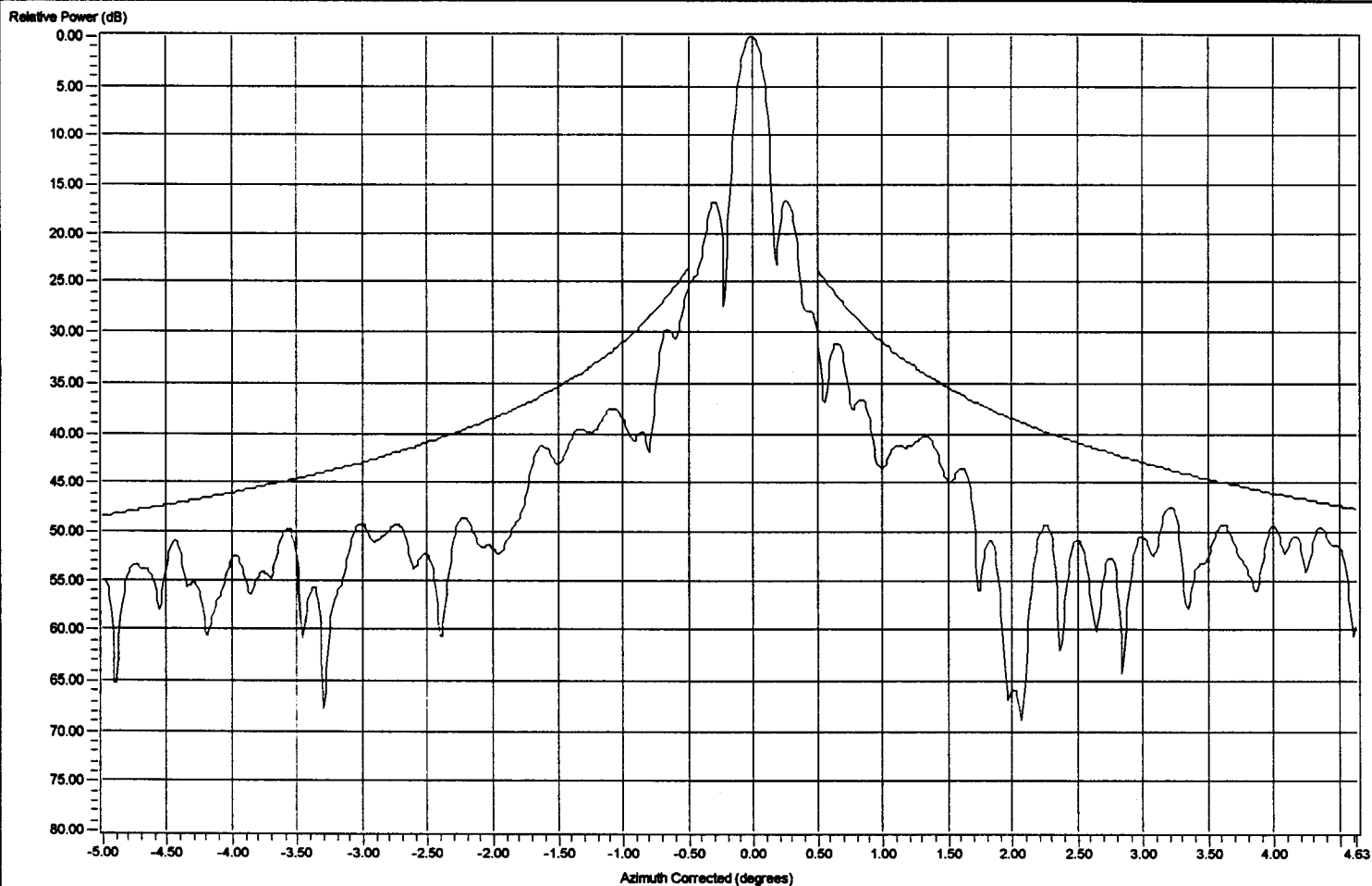
TEST ENGINEER: JR CROWDER

Copolarization Pattern and Applied Curve

Save pattern to file

Applied Curve: ☒ Custom Curve

Exit



Pattern Information

Frequency Band: Transmit
Polarization: HORIZONTAL
Beginning: -5.00 degrees
Ending Angle: 4.64 degrees
Test Frequency: 14.1250 GHz

Antenna Information

Beam Center: Azimuth: 0.000
Elevation: 1.800
Specified Gain: 60.00 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
Video Bandwidth: 3.0000 Hz
Sweep Time: 20.0 sec
Reference Level: -21.46 dB
Center Frequency: 14.1250 GHz

Use Ctrl-H to see information and instructions on specific fields in this panel.

**VERITAS 2.4**

WRITTEN BY JERRY M. WARD

Tuesday, January 21, 1997

4:02 PM

Local Time:

CUSTOMER: VERTEX COMM.

SATELLITE: LONG RANGE

Comments

SITE: VCC TEST RANGE

TRANSPONDERS: N/A

WEATHER: 9.0M CASSEGRAIN

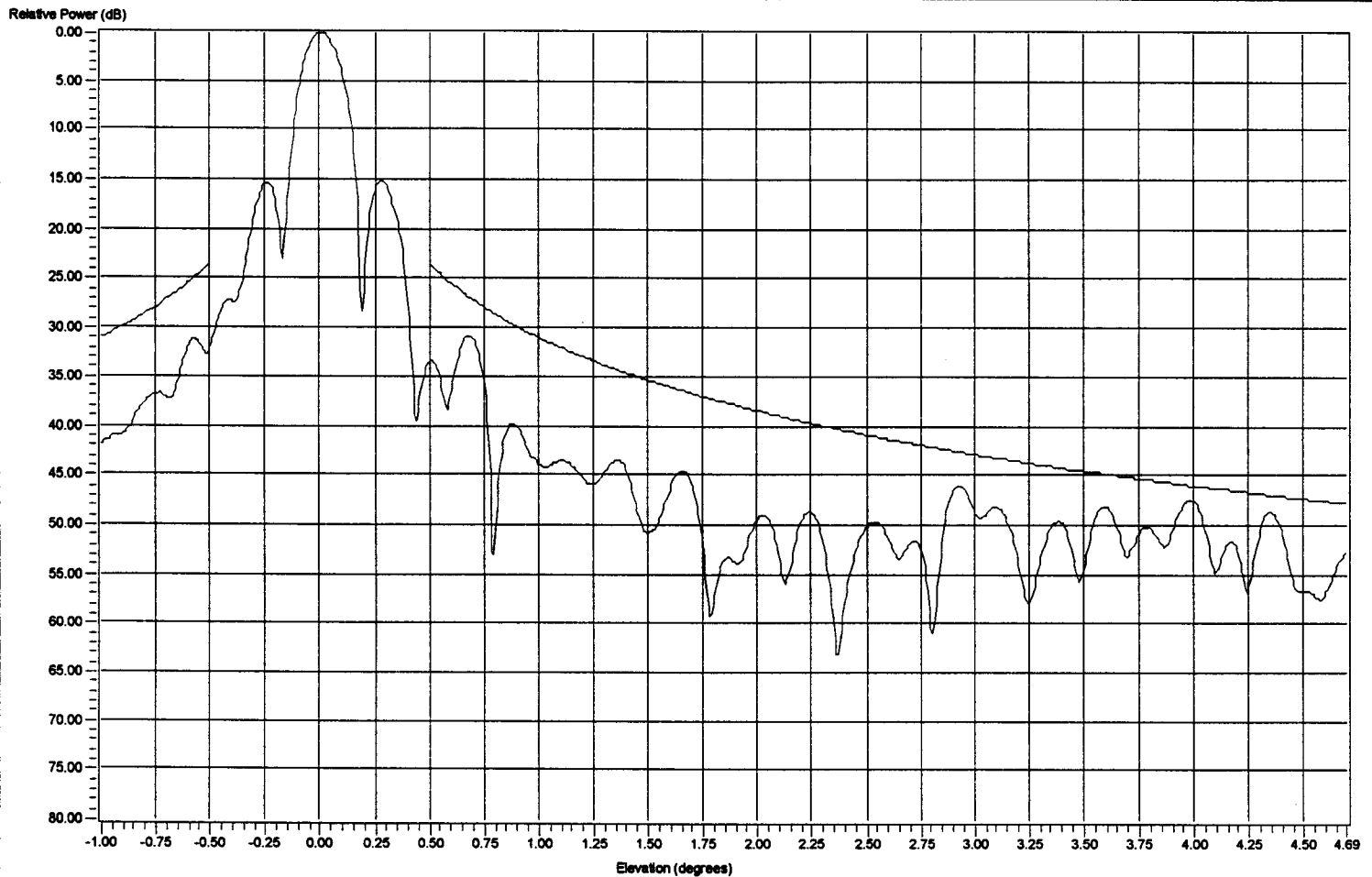
JOB NUMBER: 5133

ANTENNA: OVERCAST

TEST ENGINEER: JR CROWDER

Copolarization Pattern and Applied Curve

Save pattern to file

Applied Curve: **Pattern Information**

Frequency Band: Transmit
Polarization: HORIZONTAL
Beginning: -1.00 degrees
Ending Angle: 4.70 degrees
Test Frequency: 14.1250 GHz

Antenna Information

Beam Center: Azimuth: 0.000
Elevation: 1.800
Specified Gain: 60.00 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
Video Bandwidth: 3.0000 Hz
Sweep Time: 20.0 sec
Reference Level: -22.04 dB
Center Frequency: 14.1250 GHz

Use Ctrl-H to see information and instructions on specific fields in this panel.



CUSTOMER: VERTEX COMM.

SATELLITE: LONG RANGE

Comments

SITE: VCC TEST RANGE

TRANSPONDERS: N/A

WEATHER: PARTLY CLOUDY

JOB NUMBER: 5133

ANTENNA: 9.0m CASSEGRAIN

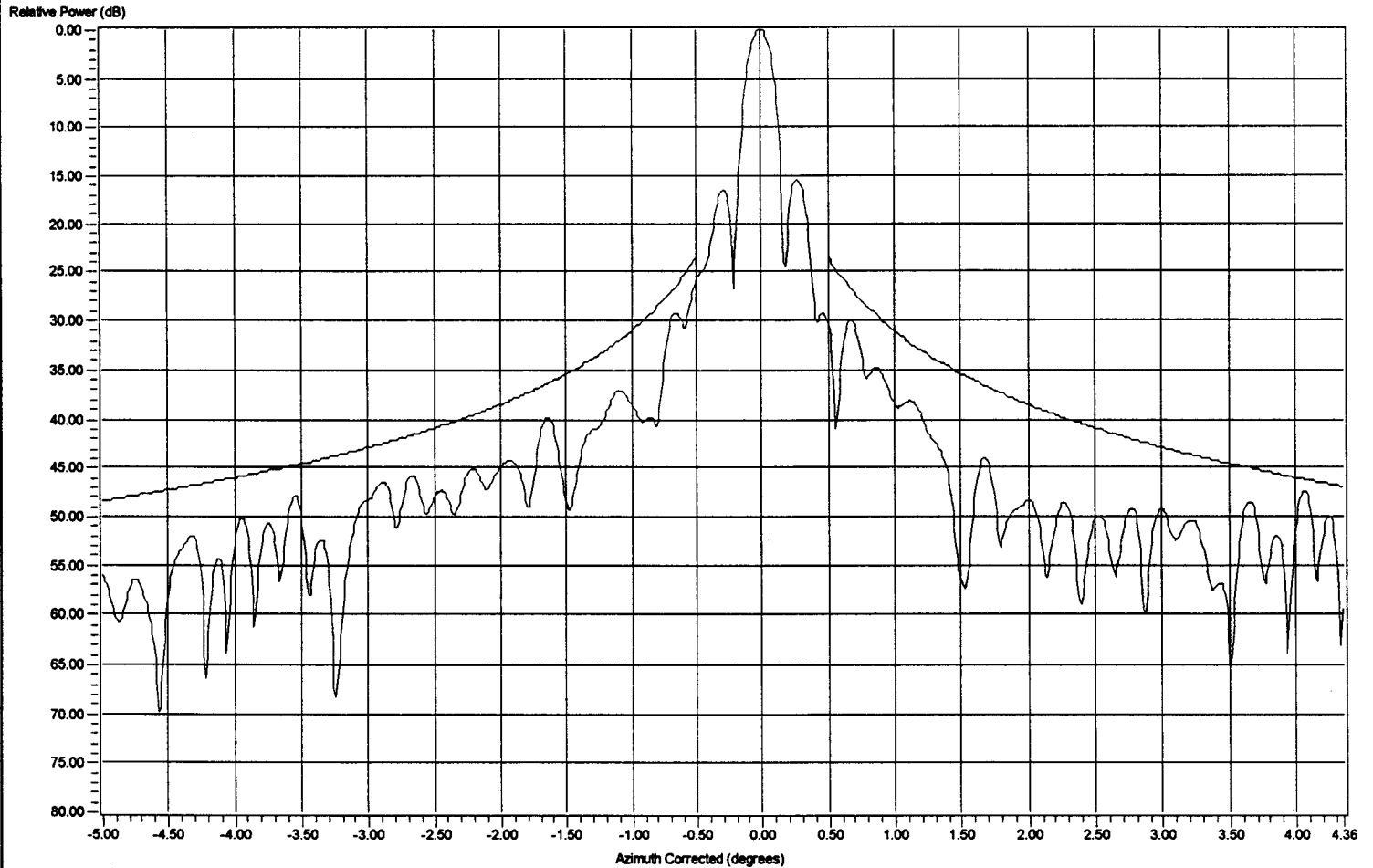
TEST ENGINEER: J.R. CROWDER

Copolarization Pattern and Applied Curve

Save pattern to file

Applied Curve: ☒ Custom Curve

Exit



Pattern Information

Frequency Band: Transmit
Polarization: VERTICAL
Beginning: -5.00 degrees
Ending Angle: 4.37 degrees
Test Frequency: 14.1250 GHz

Antenna Information

Beam Center: Azimuth: 0.000
Elevation: 1.800
Specified Gain: 60.00 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
Video Bandwidth: 3.0000 Hz
Sweep Time: 20.0 sec
Reference Level: -24.06 dB
Center Frequency: 14.1250 GHz

Use Ctrl-H to see information and instructions on specific fields in this panel.



CUSTOMER: VERTEX COMM.

SATELLITE: LONG RANGE

Comments

SITE: VCC TEST RANGE

TRANSPONDERS: N/A

WEATHER: PARTLY CLOUDY

JOB NUMBER: 5133

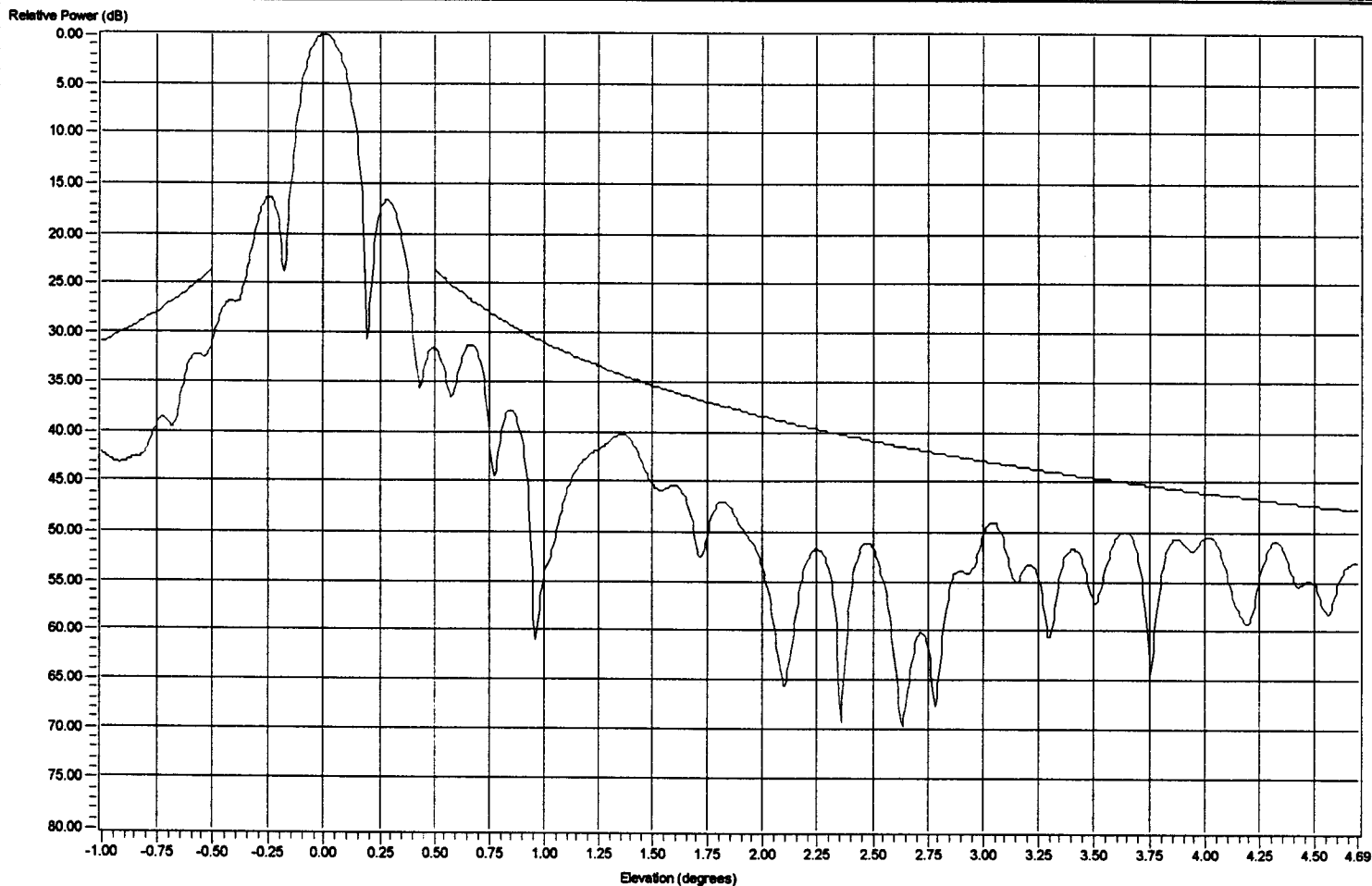
ANTENNA: 9.0m CASSEGRAIN

TEST ENGINEER: J.R. CROWDER

Copolarization Pattern and Applied Curve

Save pattern to file

Applied Curve:



Pattern Information

Frequency Band: Transmit
Polarization: VERTICAL
Beginning: -1.00 degrees
Ending Angle: 4.70 degrees
Test Frequency: 14.1250 GHz

Antenna Information

Beam Center: Azimuth: 0.000
Elevation: 1.800
Specified Gain: 60.00 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
Video Bandwidth: 3.0000 Hz
Sweep Time: 20.0 sec
Reference Level: -23.59 dB
Center Frequency: 14.1250 GHz

Use Ctrl-H to see information and instructions on specific fields in this panel.



CUSTOMER: VERTEX COMM.

SATELLITE: LONG RANGE

Comments

SITE: VCC TEST RANGE

TRANSPONDERS: N/A

WEATHER: 9.0M CASSEGRAIN

JOB NUMBER: 5133

ANTENNA: OVERCAST

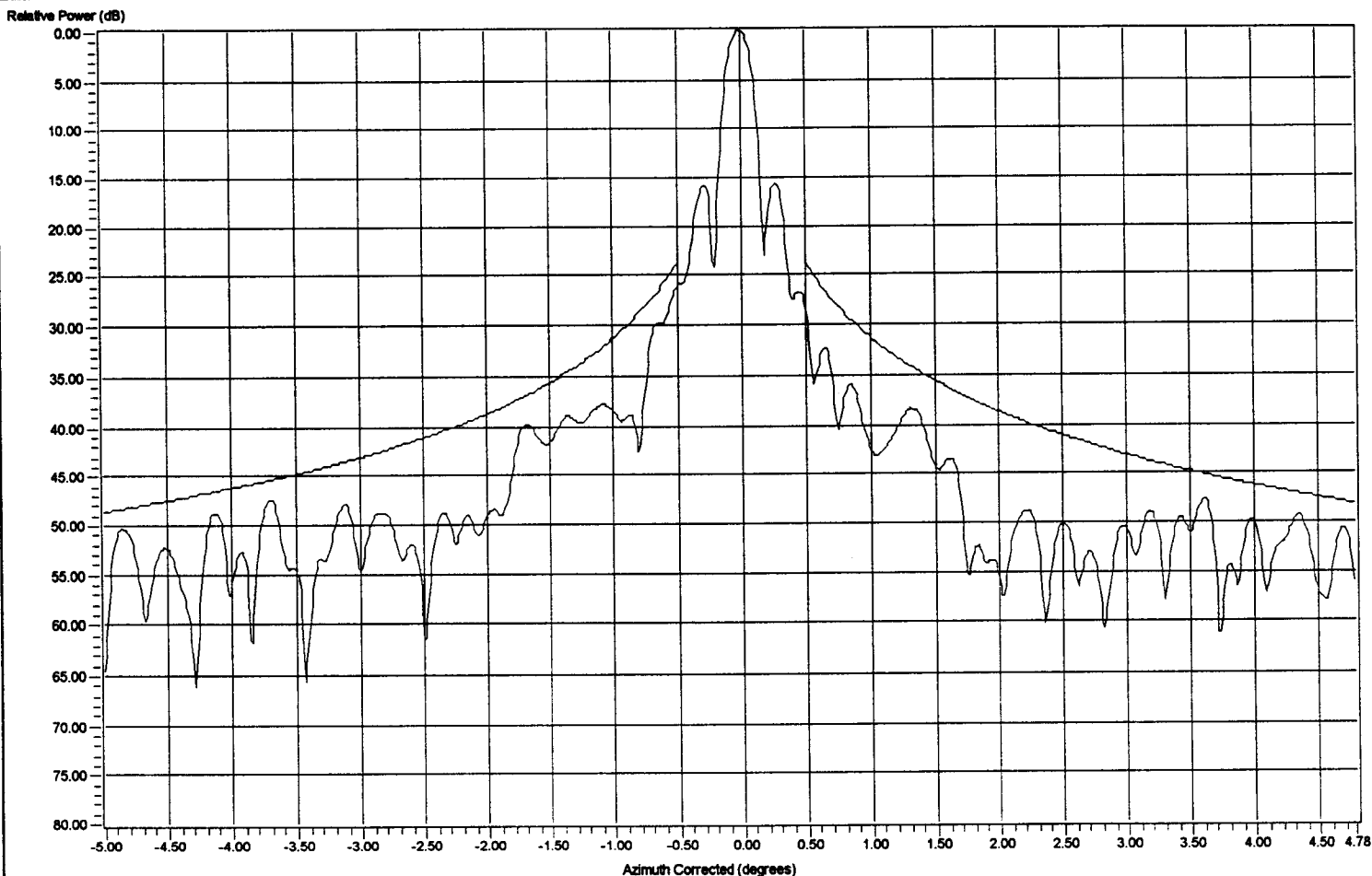
TEST ENGINEER: JR CROWDER

Copolarization Pattern and Applied Curve

Save pattern to file

Applied Curve: ☒ Custom Curve

Exit



Pattern Information

Frequency Band: Transmit
Polarization: HORIZONTAL
Beginning: -5.00 degrees
Ending Angle: 4.79 degrees
Test Frequency: 14.5000 GHz

Antenna Information

Beam Center: Azimuth: 0.000
Elevation: 1.800
Specified Gain: 60.20 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
Video Bandwidth: 3.0000 Hz
Sweep Time: 20.0 sec
Reference Level: -16.74 dB
Center Frequency: 14.5000 GHz

Use Ctrl-H to see information and instructions on specific fields in this panel.



CUSTOMER: VERTEX COMM.

SATELLITE: LONG RANGE

Comments

SITE: VCC TEST RANGE

TRANSPONDERS: N/A

WEATHER: 9.0M CASSEGRAIN

JOB NUMBER: 5133

ANTENNA: OVERCAST

TEST ENGINEER: JR CROWDER

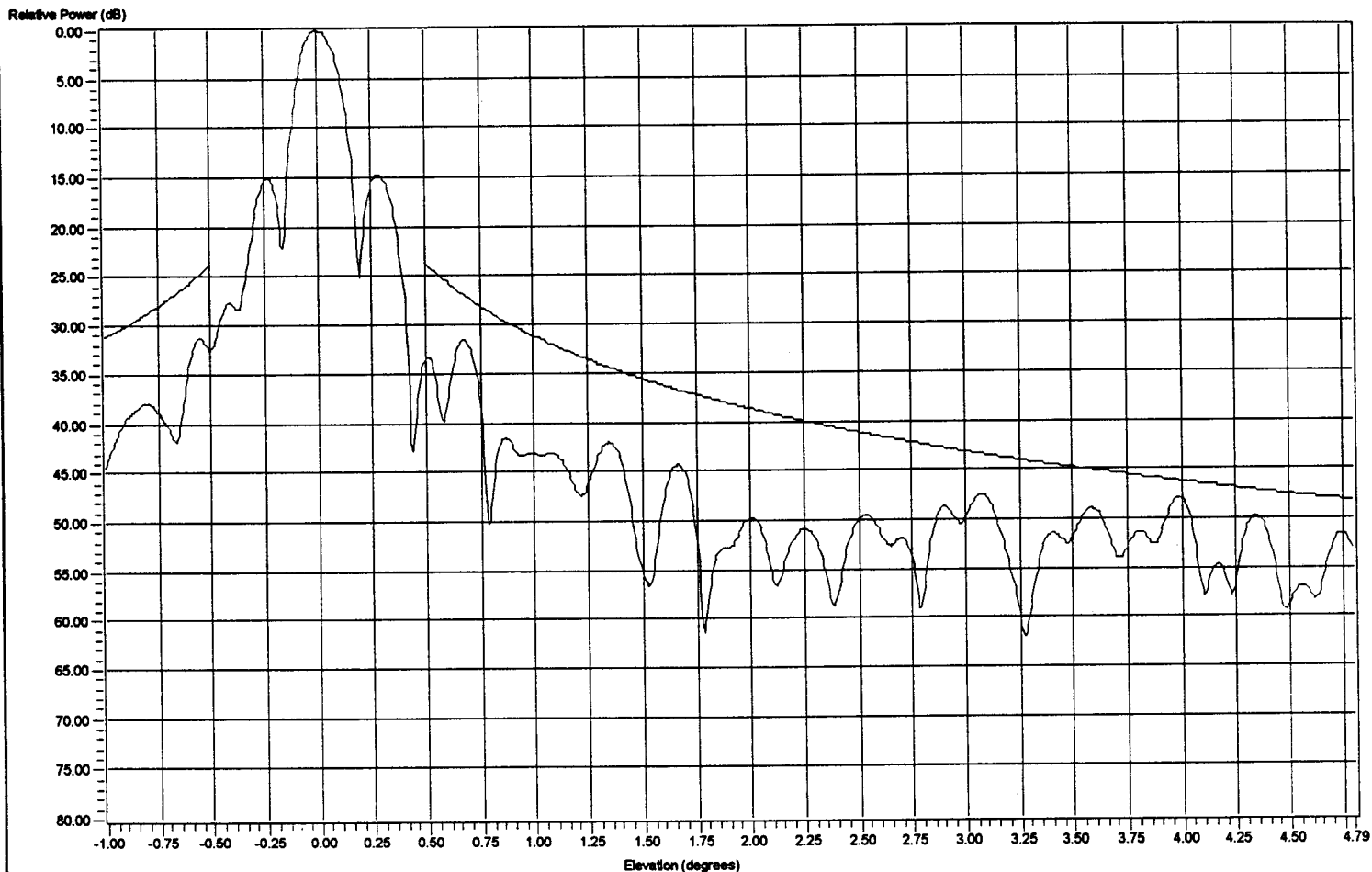
Copolarization Pattern and Applied Curve

Save pattern to file

Applied Curve:

☒ Custom Curve

Exit



Pattern Information

Frequency Band: Transmit
Polarization: HORIZONTAL
Beginning: -1.00 degrees
Ending Angle: 4.80 degrees
Test Frequency: 14.5000 GHz

Antenna Information

Beam Center: Azimuth: 0.000
Elevation: 1.800
Specified Gain: 60.20 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
Video Bandwidth: 3.0000 Hz
Sweep Time: 20.0 sec
Reference Level: -16.76 dB
Center Frequency: 14.5000 GHz

Use Ctrl-H to see information and instructions on specific fields in this panel.



VERITAS 2.4

WRITTEN BY JERRY M. WARD

Wednesday, January 22, 1997

9:12 AM

Local Time:

CUSTOMER: VERTEX COMM.

SATELLITE: LONG RANGE

Comments

SITE: VCC TEST RANGE

TRANSPONDERS: N/A

WEATHER: PARTLY CLOUDY

JOB NUMBER: 5133

ANTENNA: 9.0m CASSEGRAIN

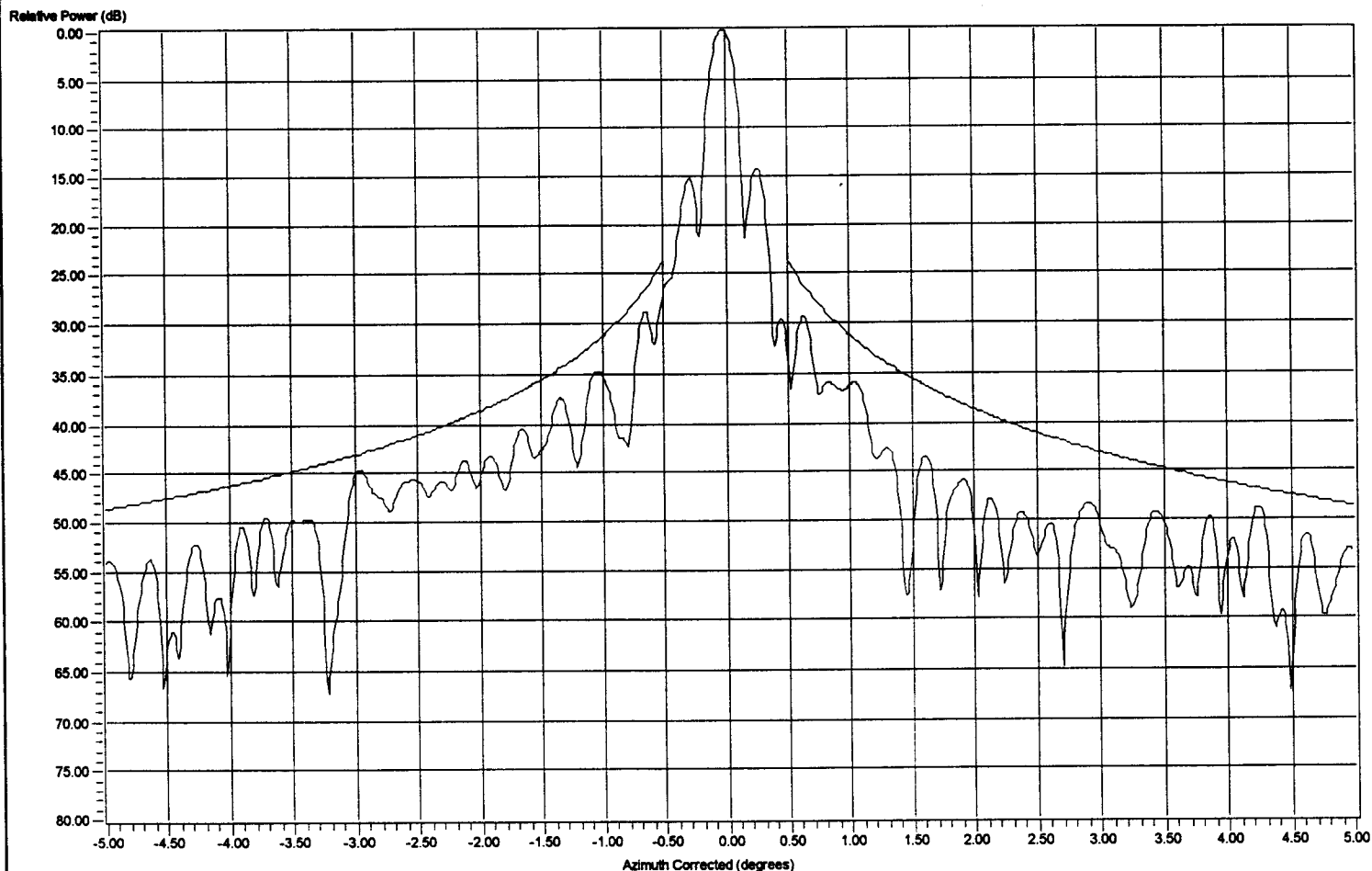
TEST ENGINEER: J.R. CROWDER

Copolarization Pattern and Applied Curve

Save pattern to file

Applied Curve:

Exit



Pattern Information

Frequency Band: Transmit
Polarization: VERTICAL
Beginning: -5.00 degrees
Ending Angle: 5.00 degrees
Test Frequency: 14.5000 GHz

Antenna Information

Beam Center: Azimuth: 0.000
Elevation: 1.800
Specified Gain: 60.20 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
Video Bandwidth: 3.0000 Hz
Sweep Time: 20.0 sec
Reference Level: -20.14 dB
Center Frequency: 14.5000 GHz

Use Ctrl-H to see information and instructions on specific fields in this panel.



VERITAS 2.4

WRITTEN BY JERRY M. WARD

Wednesday, January 22, 1997

9:28 AM

Local Time:

CUSTOMER: VERTEX COMM.

SATELLITE: LONG RANGE

Comments

SITE: VCC TEST RANGE

TRANSPONDERS: N/A

WEATHER: PARTLY CLOUDY

JOB NUMBER: 5133

ANTENNA: 9.0m CASSEGRAIN

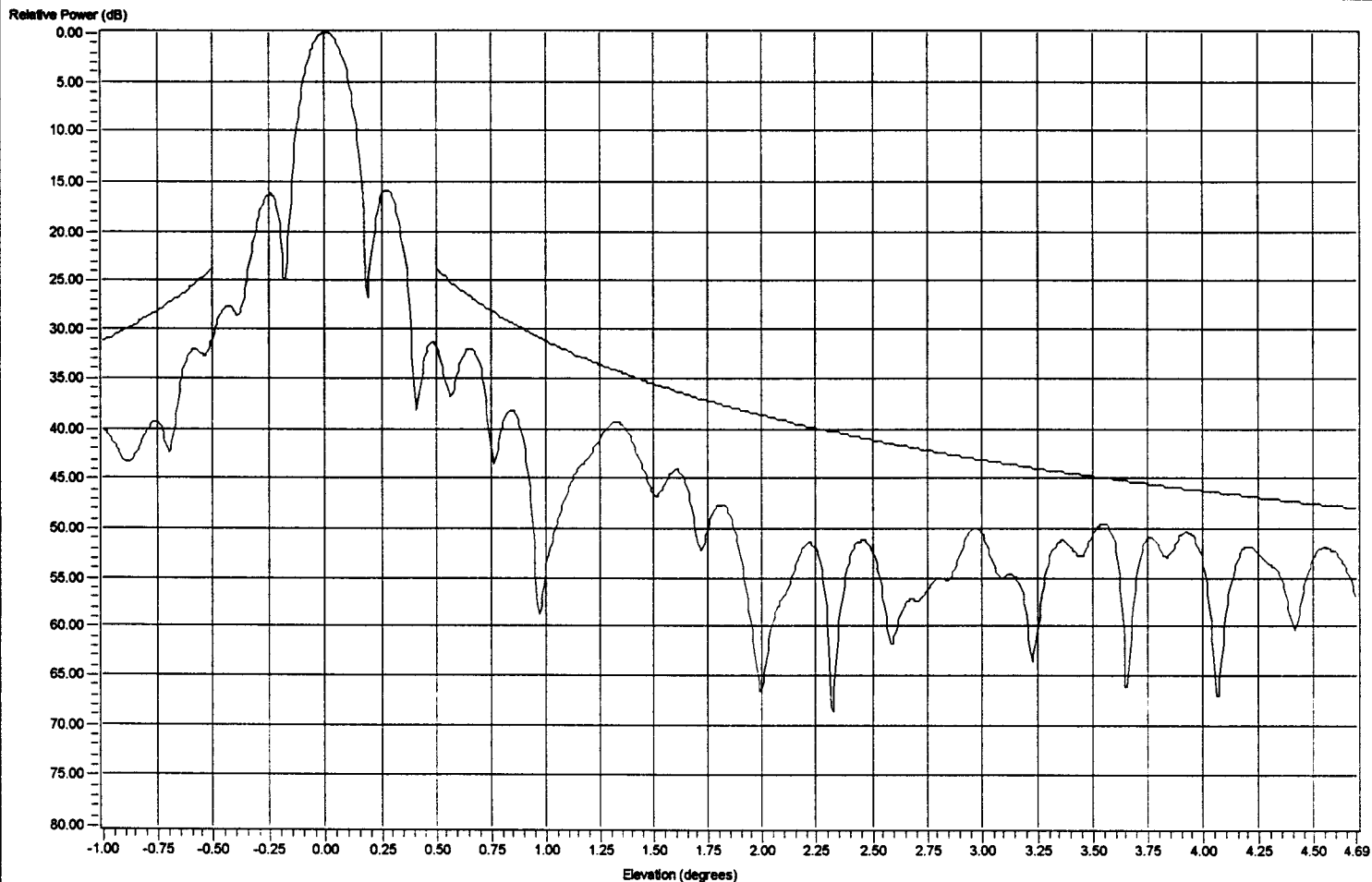
TEST ENGINEER: J.R. CROWDER

Copolarization Pattern and Applied Curve

Save pattern to file

Applied Curve:

Exit



Pattern Information

Frequency Band: Transmit
Polarization: VERTICAL
Beginning: -1.00 degrees
Ending Angle: 4.70 degrees
Test Frequency: 14.5000 GHz

Antenna Information

Beam Center: Azimuth: 0.000
Elevation: 1.800
Specified Gain: 60.20 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
Video Bandwidth: 3.0000 Hz
Sweep Time: 20.0 sec
Reference Level: -19.15 dB
Center Frequency: 14.5000 GHz

Use Ctrl-H to see information and instructions on specific fields in this panel.



VERTEX

VERTEX COMM. CORP.
P. O. BOX 1277
KILGORE, TEXAS 75662

SITE: HAULEY, PA.

TEST: AS AB, RX, (CORR) WITNESS: _____

KZ (14) 12.1128 GHz (V)

DATE: 11/6/91

X-POL (H)

EL. $\angle$ = 42.83

3dB B.W. = 80 / 480.24

(USING ENGINEER'S RULE '40' SCALE)

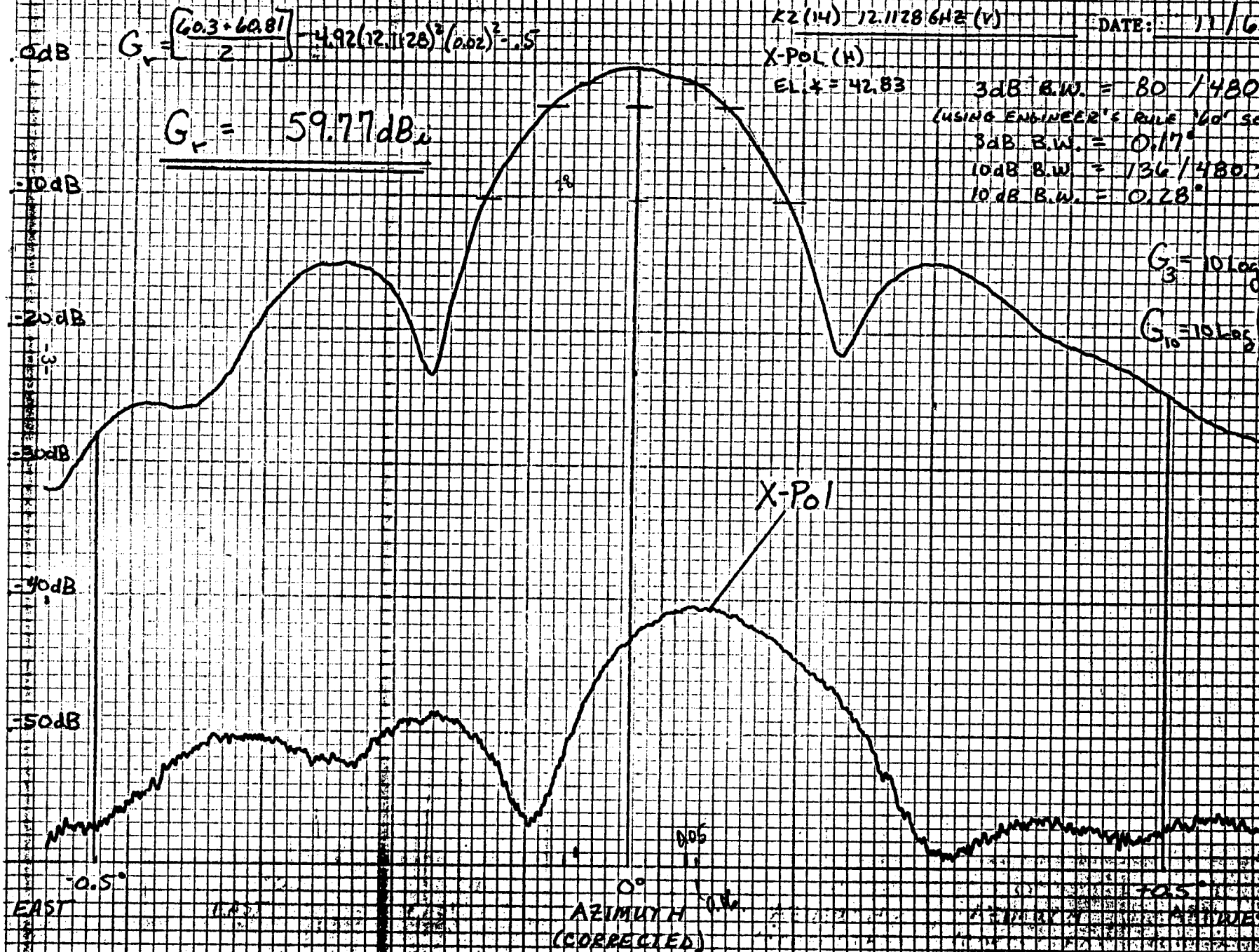
3dB B.W. = 0.17

10dB B.W. = 136 / 480.24

10dB B.W. = 0.28

$$G_3 = 10 \log \left[\frac{31,000}{(17)(17)} \right] = 60.3$$

$$G_{10} = 10 \log \left[\frac{91,000}{(28)(28)} \right] = 60.8$$





VERTEX

VERTEX COMM. CORP.
P.O. BOX 1277
KILGORE, TEXAS 75682

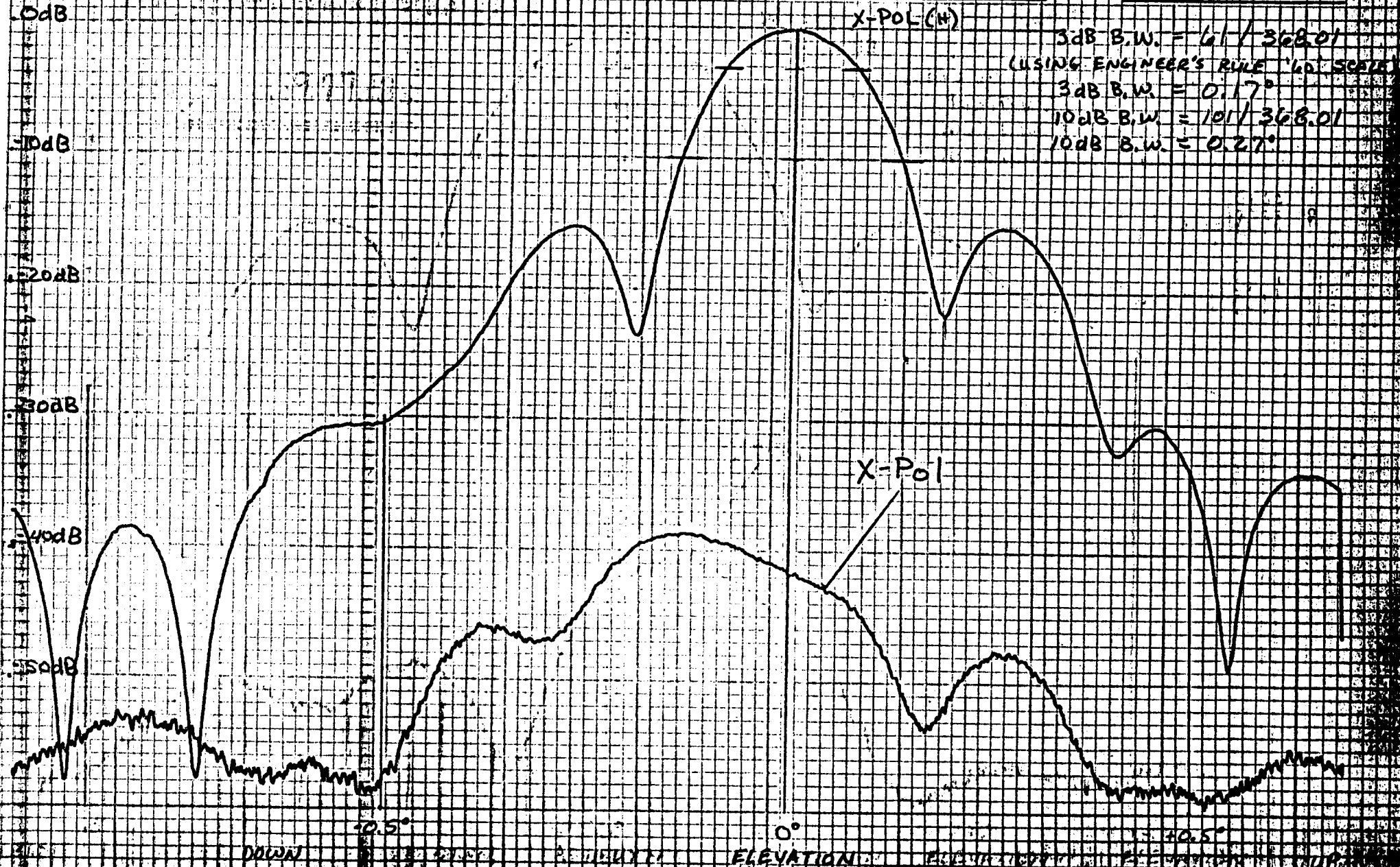
TIW/ATG
SITE HAWLEY, PA

TEST $\pm 0.5^\circ$ EL., RX.

WITNESS:

K2 (14) 12.1126 GHz (V)

DATE: 11/6/91





VERTEX

VERTEX COMM. CORP.
P. O. BOX 1277
KILGORE, TEXAS 75662

SITE TJW / AT 87
HAWLEY, PA.

BY: [Signature]

TEST ±05° AZ., RX. (CORR.)

WITNESS: _____

K2 (H) HIGH BEACON 12.198 GHz DATE: 11/5/91

EL. 42.83°

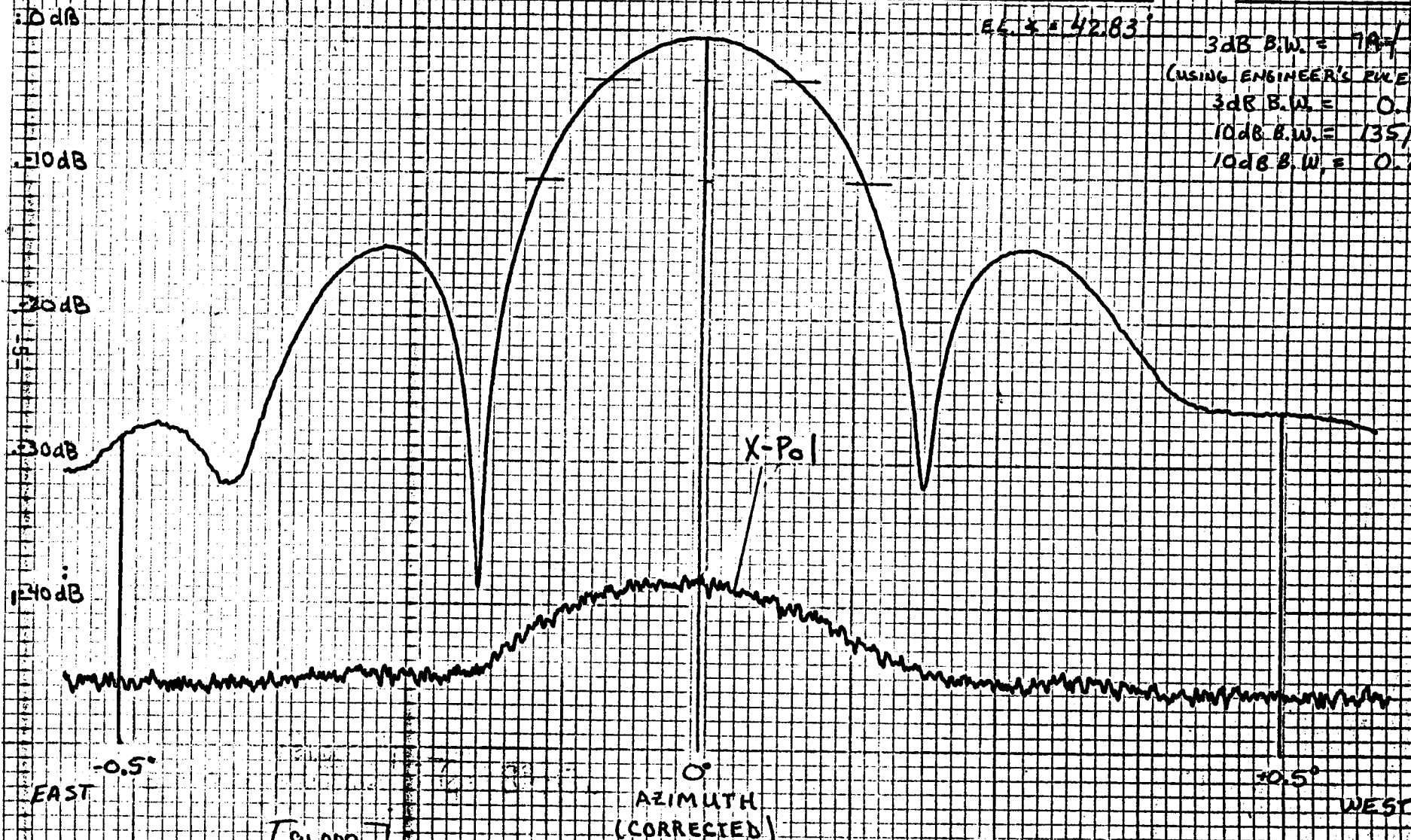
3dB B.W. = 79 / 484.7

(USING ENGINEER'S RULE '60' SCALE)

3dB B.W. = 0.16

10dB B.W. = 135 / 484.7

10dB B.W. = 0.28



$$G_0 = 10 \log \left[\frac{91,000}{(0.28)(0.28)} \right] = 60.71 \text{ dB}$$

$$G_3 = 10 \log \left[\frac{31,000}{(0.16)(0.16)} \right] = 60.83 \text{ dB}$$

$$G_r = \left[\frac{60.83 + 60.71}{2} \right] - 4.92 (12.198)^2 / (0.001)^2 = 5$$

$$G_r = 59.98 \text{ dB}$$



VERTEX

VERTEX COMM. CORP.
P. O. BOX 1277
KILGORE, TEXAS 75862

SITE

TW/ATCT
HAWLEY, PA.

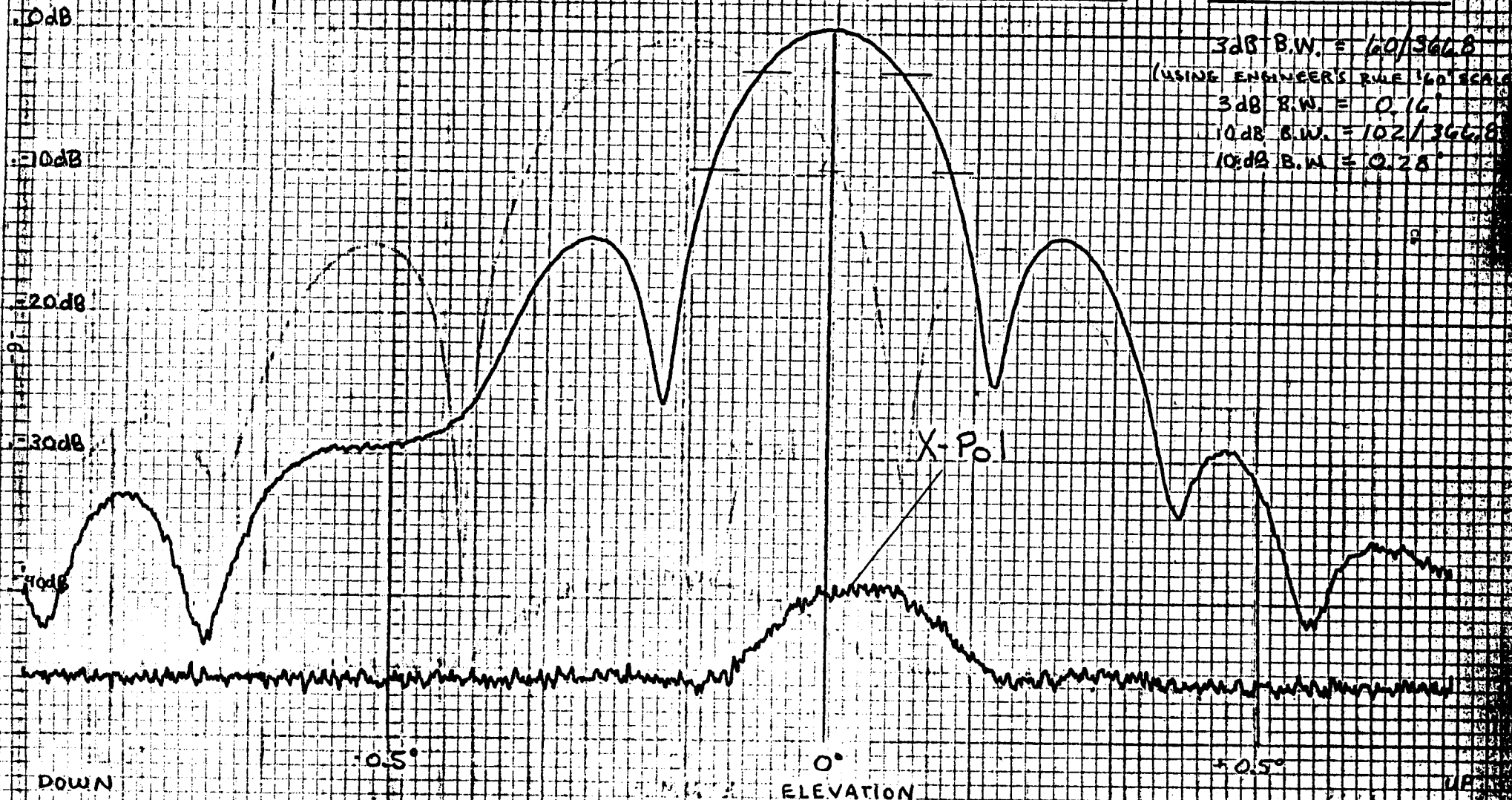
BY

Herb J. [Signature]

TEST $\pm 0.5^\circ$ EL., RX.

WITNESS:

K2 (N) HIGH BEACON 12198 MHz DATE: 11/5/91





VERTEX

VERTEX COMM. CORP.
P. O. BOX 1277
KILGORE, TEXAS 75682

9KPK T.I.W./A.T.S.T.
SITE HAWLEY, PA

BY: m.b. mab

TEST -1°/+1° EL, Tx X-Pol WITNESS: _____

SATCOM K-2 (14) 14.4125 GHz (H) DATE: 11/5/91

$$G_t = 61.66 - 4.92(0.02)(14.4125)^2 - 0.5$$

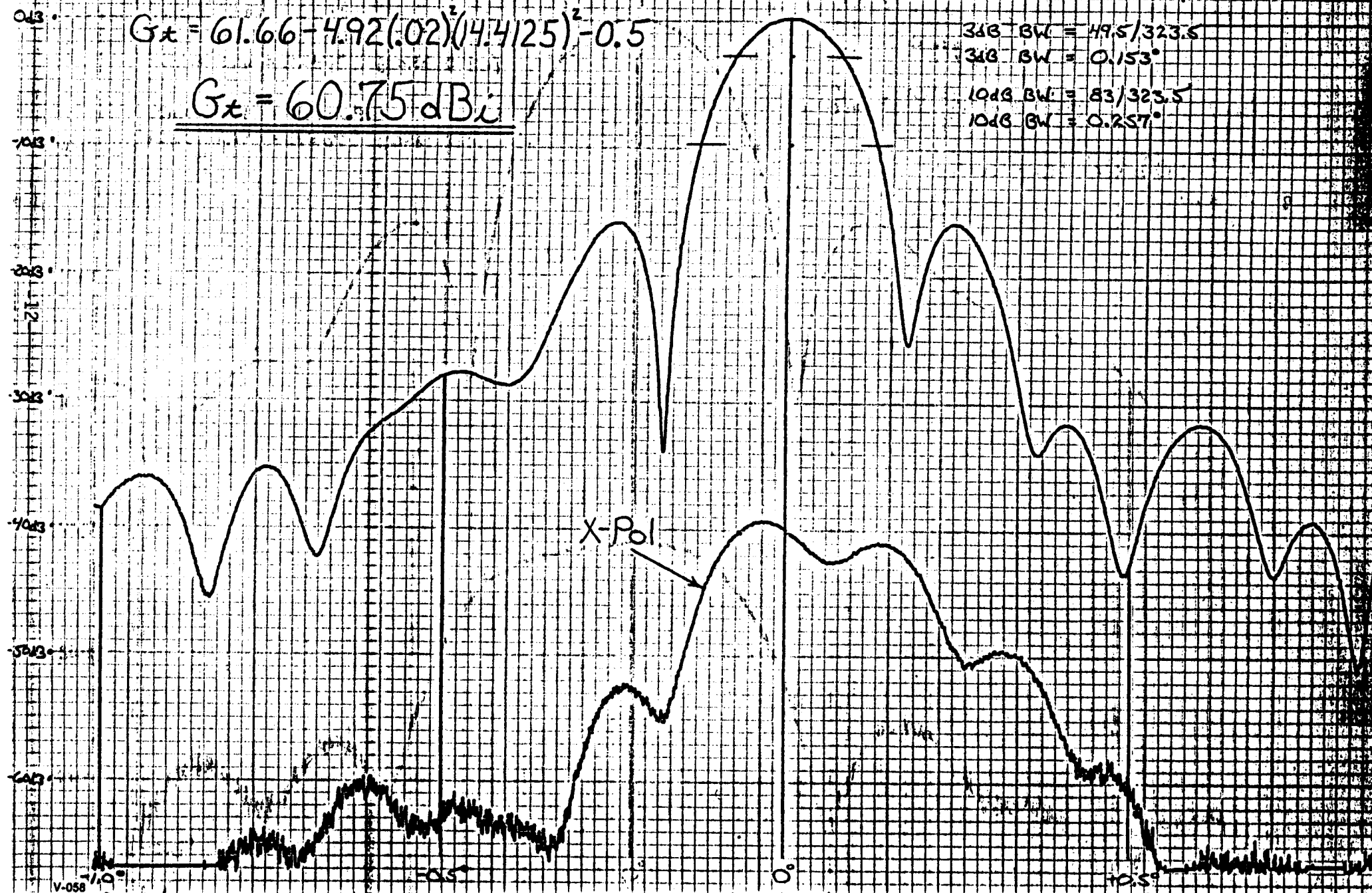
$$\underline{G_t = 60.75 \text{ dBc}}$$

$$3\text{dB BW} = 49.5/323.5$$

$$3\text{dB BW} = 0.153^\circ$$

$$10\text{dB BW} = 83/323.5$$

$$10\text{dB BW} = 0.257^\circ$$





VERTEX

VERTEX COMM. CORP.
P.O. BOX 1277
KILGORE, TEXAS 75682

9KPK T.I.W./A.T.S.T.
SITE HAWLEY, PA.

BY: M. J. M. J.

TEST -1°/+1° AZ, TX, 3 X-POL

WITNESS: _____

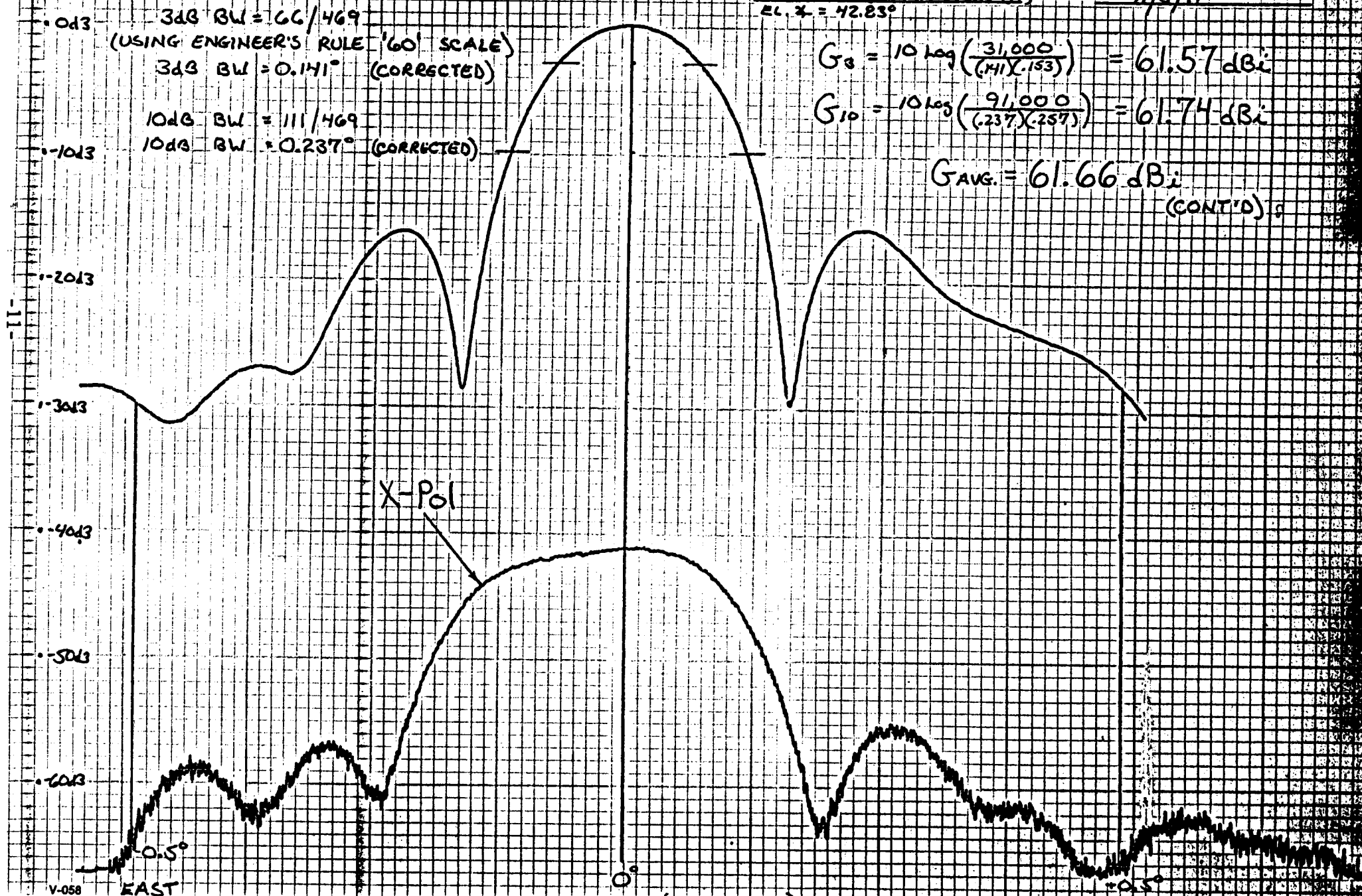
SATECOM K-2 (H) 14.4125 GHz (H) DATE: 11/5/91
EL. $\angle = 42.83^\circ$

$$G_3 = 10 \log \left(\frac{31,000}{(.141)(.153)} \right) = 61.57 \text{ dB}_i$$

$$G_{10} = 10 \log \left(\frac{91,000}{(.237)(.257)} \right) = 61.74 \text{ dB}_i$$

$$G_{\text{AVG}} = 61.66 \text{ dB}_i$$

(CONT'D)





Saturday, June 08, 1996

11:19 AM

CUSTOMER: British Telecom

SITE: Cologne, Germany

WEATHER: p cloudy 32C

ANTENNA: 9.0 kpk dbi skins

SATELLITE: Astra 1B

TRANSPONDERS: low beacon

JOB NUMBER: 10276

TEST ENGINEER: M. Ward

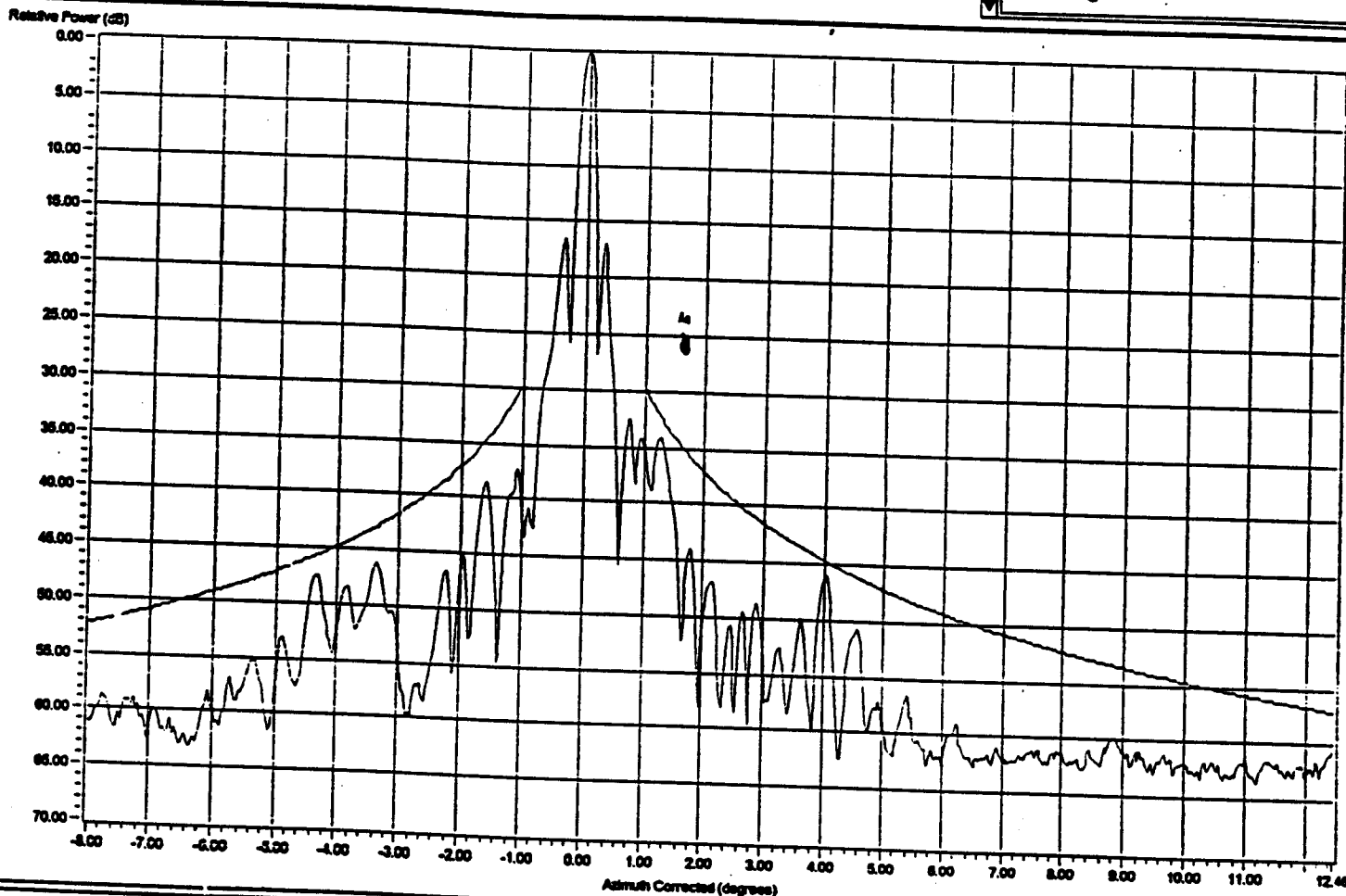
Comments

Copolarization Pattern
and Applied Mask

Local Time: 6:20 pm

Curve to Apply:

29-25 log theta

**Pattern Information**

Frequency Band: Receive

Polarization: low beacon

Applied Pattern Mask: 29 - 25 Log (theta)

Beginning angle: -8.00

Ending angle: 12.47

Test Frequency: 11.4530 GHz

Antenna Information

Beam Center: Azimuth: 164.27

Elevation: 31.39

Specified Gain: 58.70 dB

Spectrum Analyzer Information

Resolution Bandwidth: 300 Hz

Video Bandwidth: 1 Hz

Sweep Time: 120.000 sec

Reference Level: -46.1600E+0 dB

Frequency: 1.1454E+10

Use Ctrl-H to see information and
instructions on specific fields in this panel.

Click to Exit



CUSTOMER: British Telecom

SITE: Cologne, Germany

WEATHER: p cloudy 32C

ANTENNA: 9.0 kpk dbl skins

SATELLITE: Astra 1B

TRANSPONDERS: low beacon

JOB NUMBER: 10276

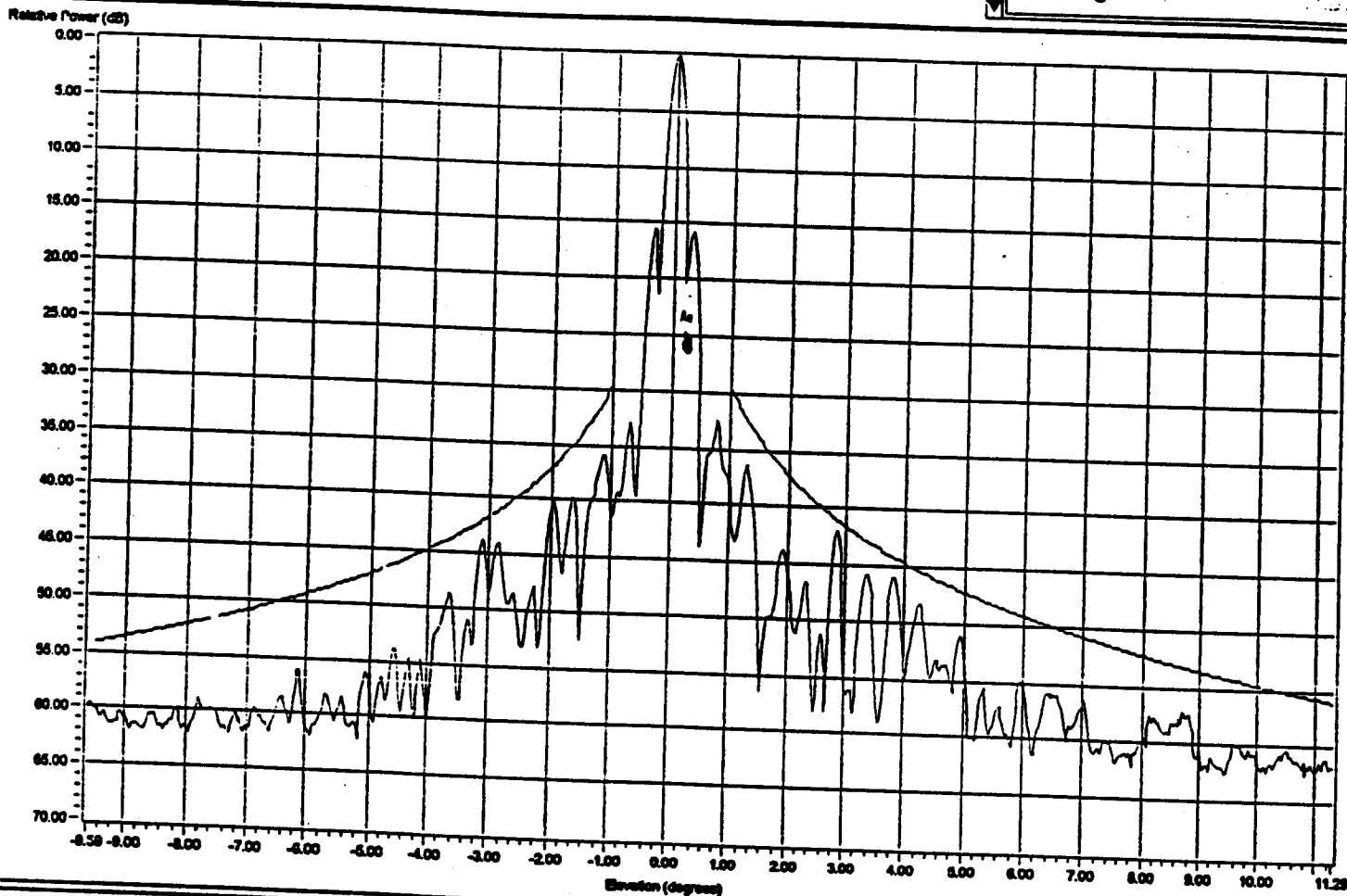
TEST ENGINEER: M. Ward

Comments

Local Time: 6:20 pm

Curve to Apply:

29-25 log theta

Copolarization Pattern
and Applied Mask**Pattern Information**

Frequency Band: Receive
Polarization: low beacon
Applied Pattern Mask: 29 - 25 Log (theta)
Beginning angle: -9.59
Ending angle: 11.31
Test Frequency: 11.4530 GHz

Antenna Information

Beam Center: Azimuth: 164.27
Elevation: 31.39
Specified Gain: 58.70 dB

Spectrum Analyzer Information

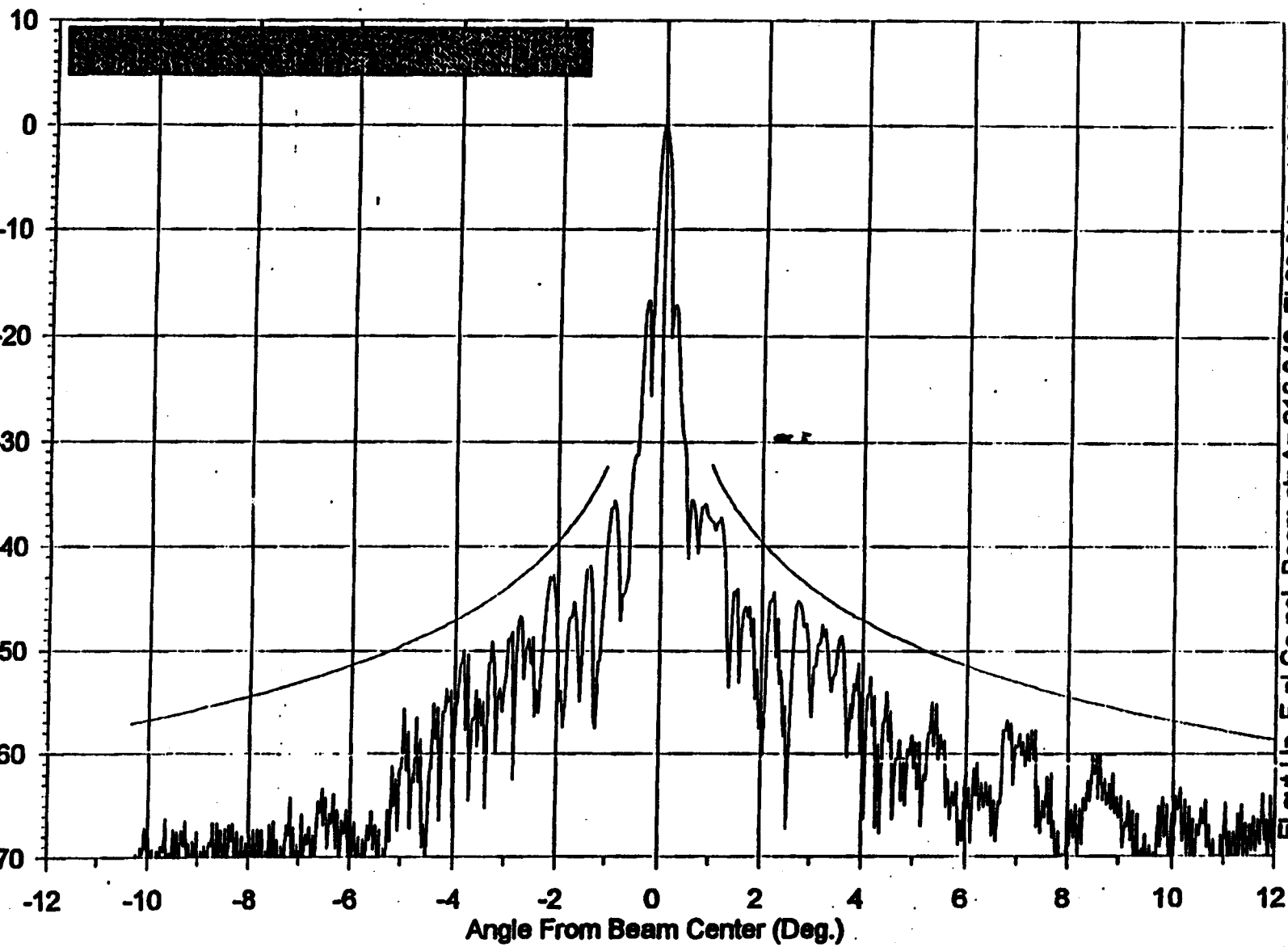
Resolution Bandwidth: 300 Hz
Video Bandwidth: 1 Hz
Sweep Time: 102.000 sec
Reference Level: -46.5000E+0 dB
Frequency: 1.1454E+10

Use Ctrl-H to see information and
instructions on specific fields in this panel.

Click to Exit

81

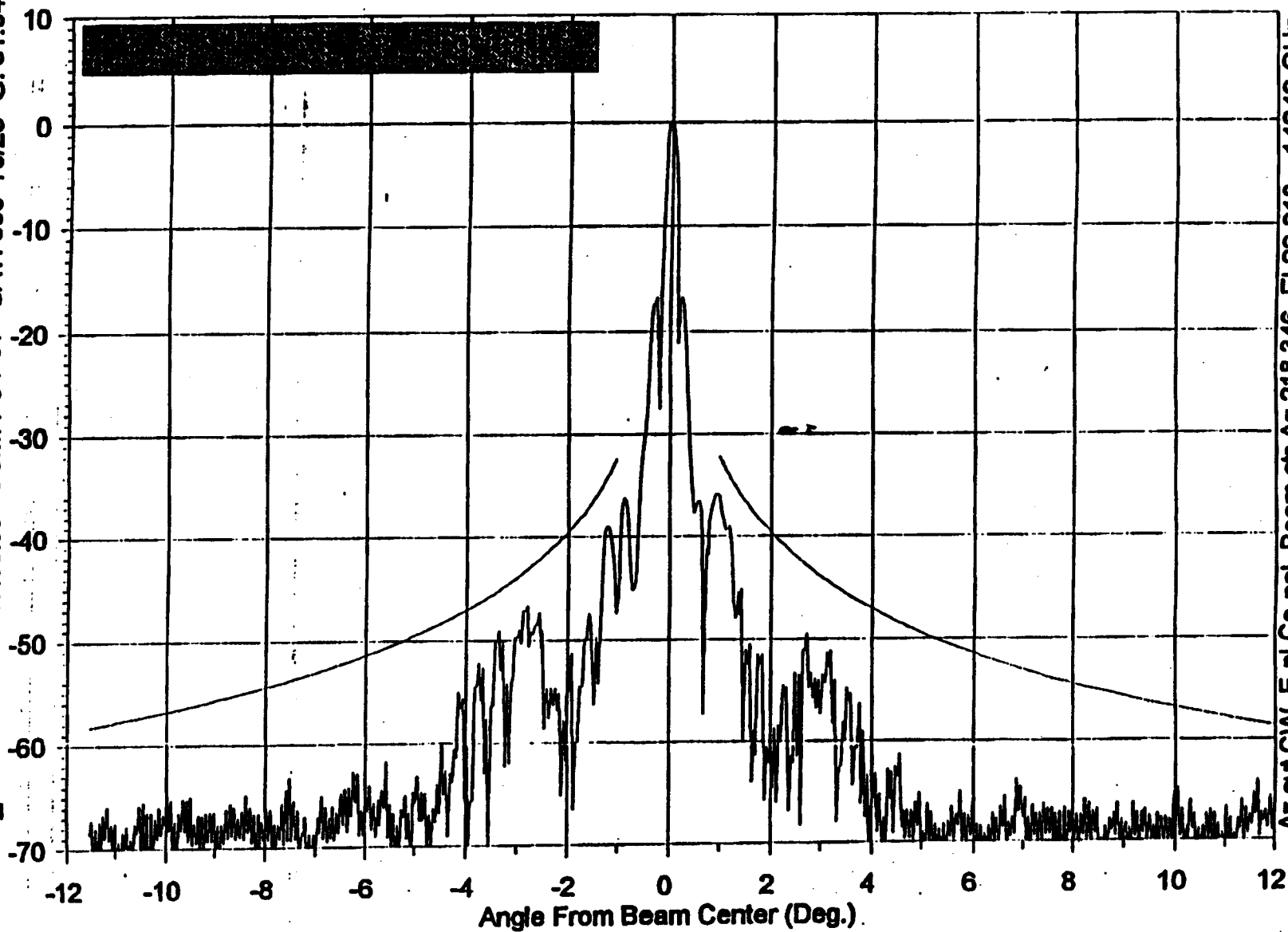
BTD1E3_6 9 Jun 1996 17:46:06 CSM: FOT-3T SAT: 605 73/23 G: 61.04 dBi



El cut Up E-pl Co-pol Beam ctr Az 218.346, El 26.019 14242 GHz

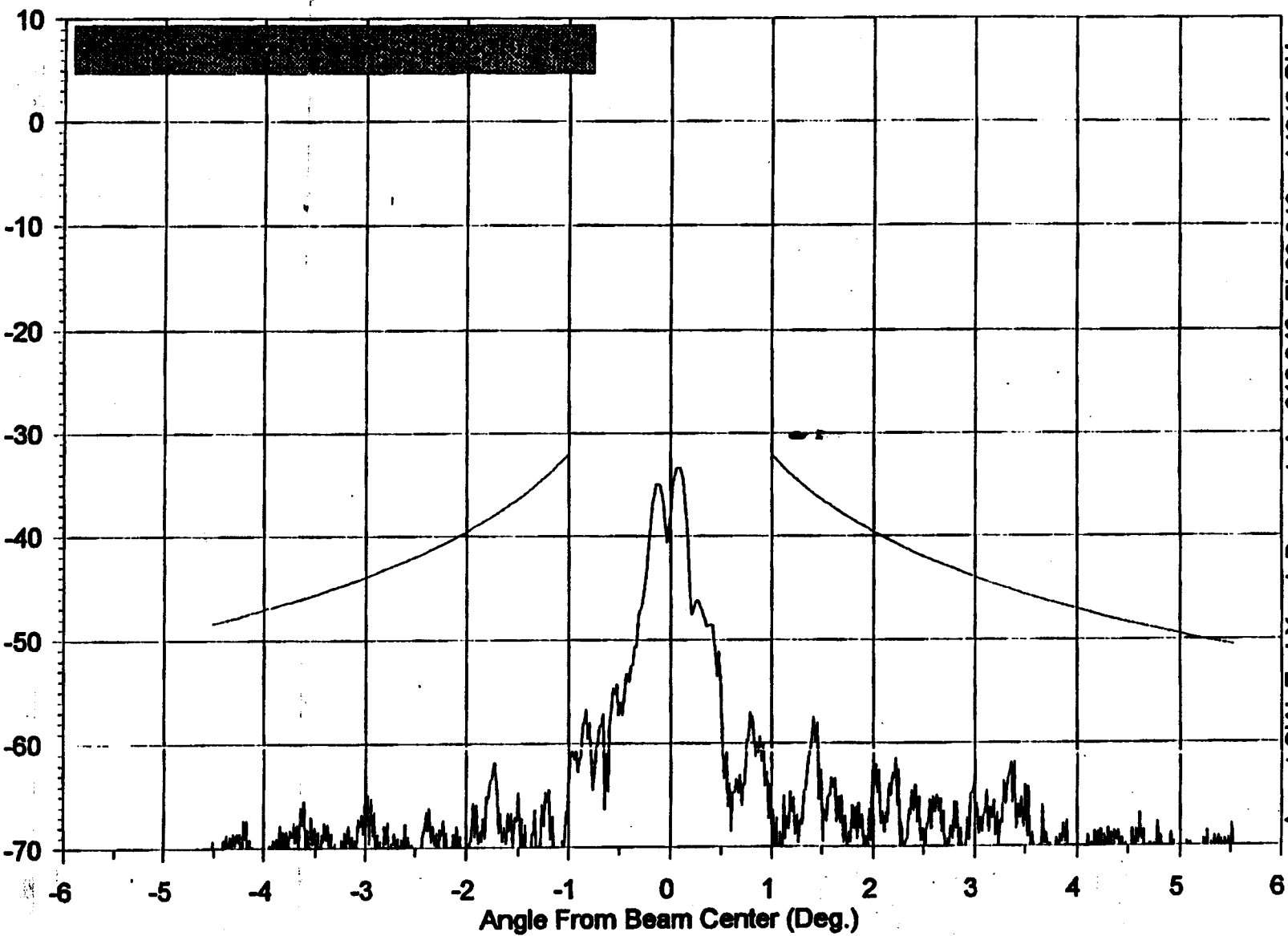
LI

BTD1E3_5 9 Jun 1996 17:38:36 CSM: FOT-3T SAT: 605 73/23 G: 61.04 dBi



Az cut CW E-pl Co-pol Beam ctr Az 218.346, El 26.019 14242 GHz

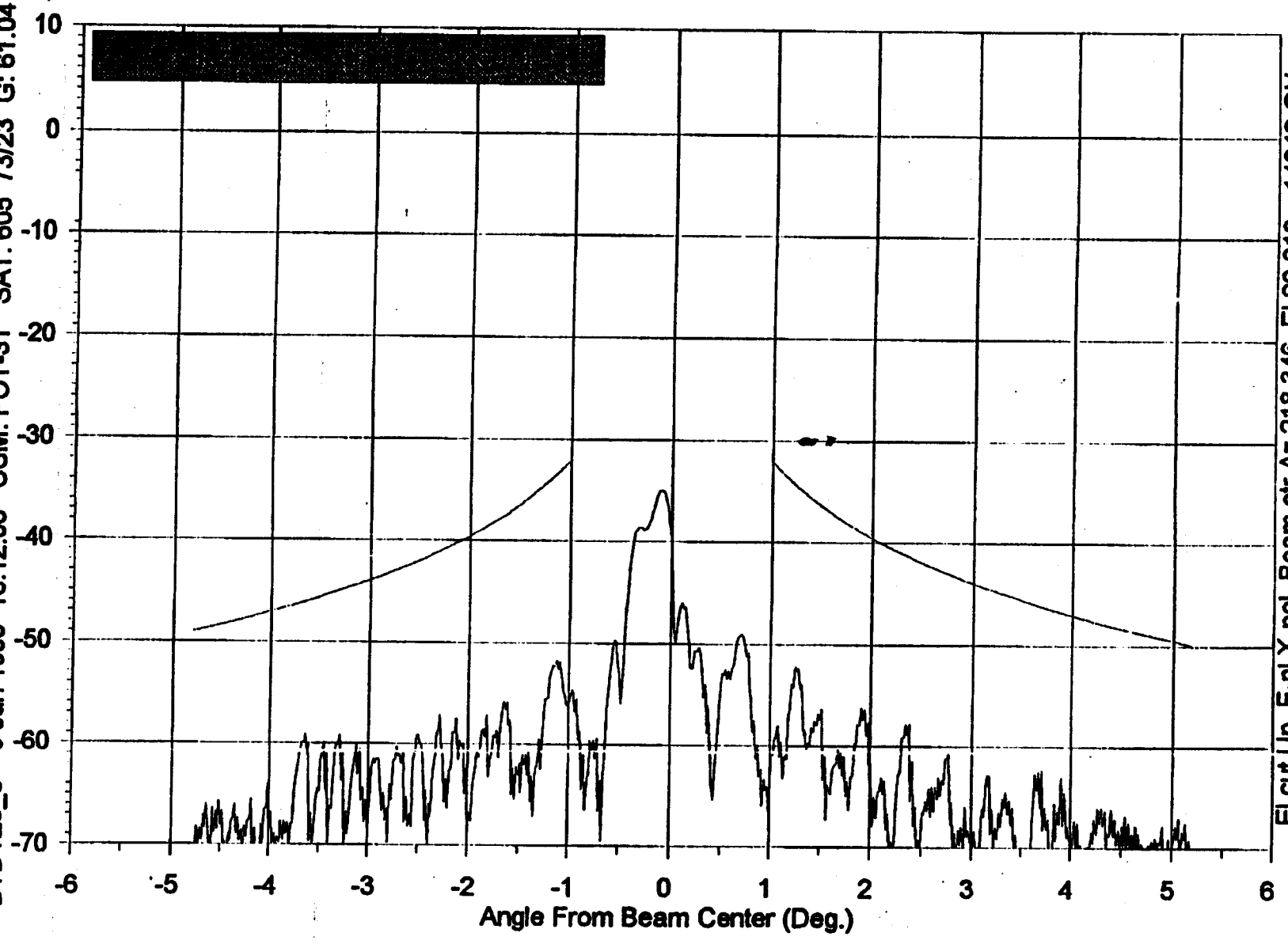
BTD1E3_7 9 Jun 1996 18:03:52 CSM: FOT-3T SAT: 605 73/23 G: 61.04 dBi



Az cut CW E-pol X-pol Beam ctr Az 218.346, El 26.019 14242 GHz

21

BTD1E3_8 9 Jun 1996 18:12:06 CSM: FOT-3T SAT: 605 73/23 G: 61.04 dBI



El cut Up E-pl X-pol Beam ctr Az 218.346, El 26.019 14242 GHz



CUSTOMER: SES ASTRA

SATELLITE: LONG RANGE

Comments

SITE: VCC TEST RANGE

TRANSPONDERS: N/A

WEATHER: CLEAR

JOB NUMBER: 5133

ANTENNA: 9.0m CASSEGRAIN

TEST ENGINEER: J.R. CROWDER

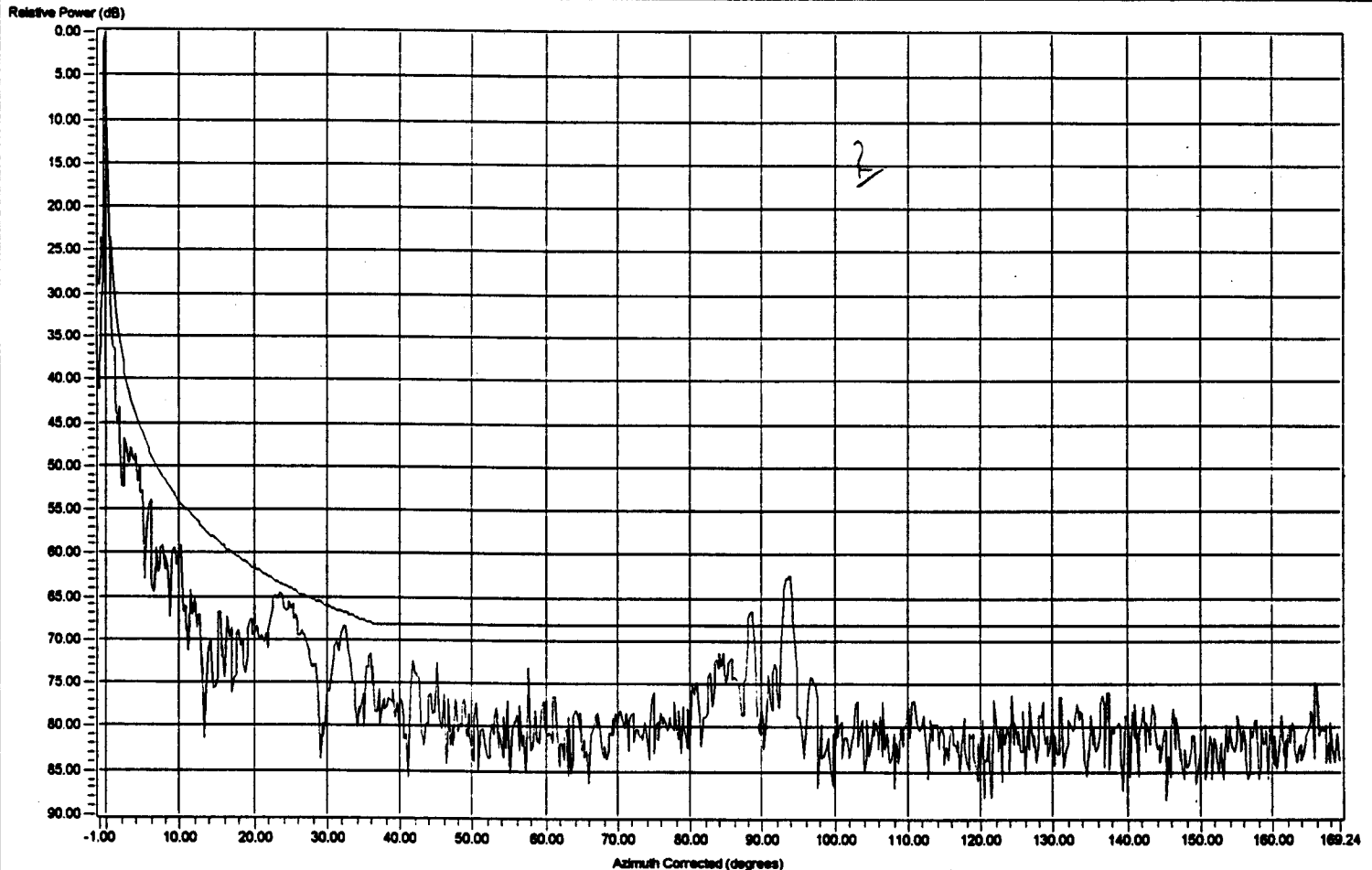
Extended Horn

Copolarization Pattern and Applied Curve

Save pattern to file

Applied Curve: Custom Curve

Exit



Pattern Information

Frequency Band: Receive
Polarization: VERTICAL
Beginning: -1.00 degrees
Ending Angle: 170.00 degrees
Test Frequency: 11.7000 GHz

Antenna Information

Beam Center: Azimuth: 0.000
Elevation: 1.800
Specified Gain: 58.17 dB

Spectrum Analyzer Information

Resolution Bandwidth: 10.0000 Hz
Video Bandwidth: 10.0000 Hz
Sweep Time: 180.0 sec
Reference Level: -29.98 dB
Center Frequency: 11.7000 GHz

Use Ctrl-H to see information and instructions on specific fields in this panel.



VERITAS 2.4

WRITTEN BY JERRY M. WARD

Tuesday, February 04, 1997

8:01 PM

Local Time:

CUSTOMER: SES ASTRA

SATELLITE: LONG RANGE

SITE: VCC TEST RANGE

TRANSPONDERS: N/A

WEATHER: CLEAR

JOB NUMBER: 5133

ANTENNA: 9.0m CASSEGRAIN

TEST ENGINEER: J.R. CROWDER

Comments

Extended Horn

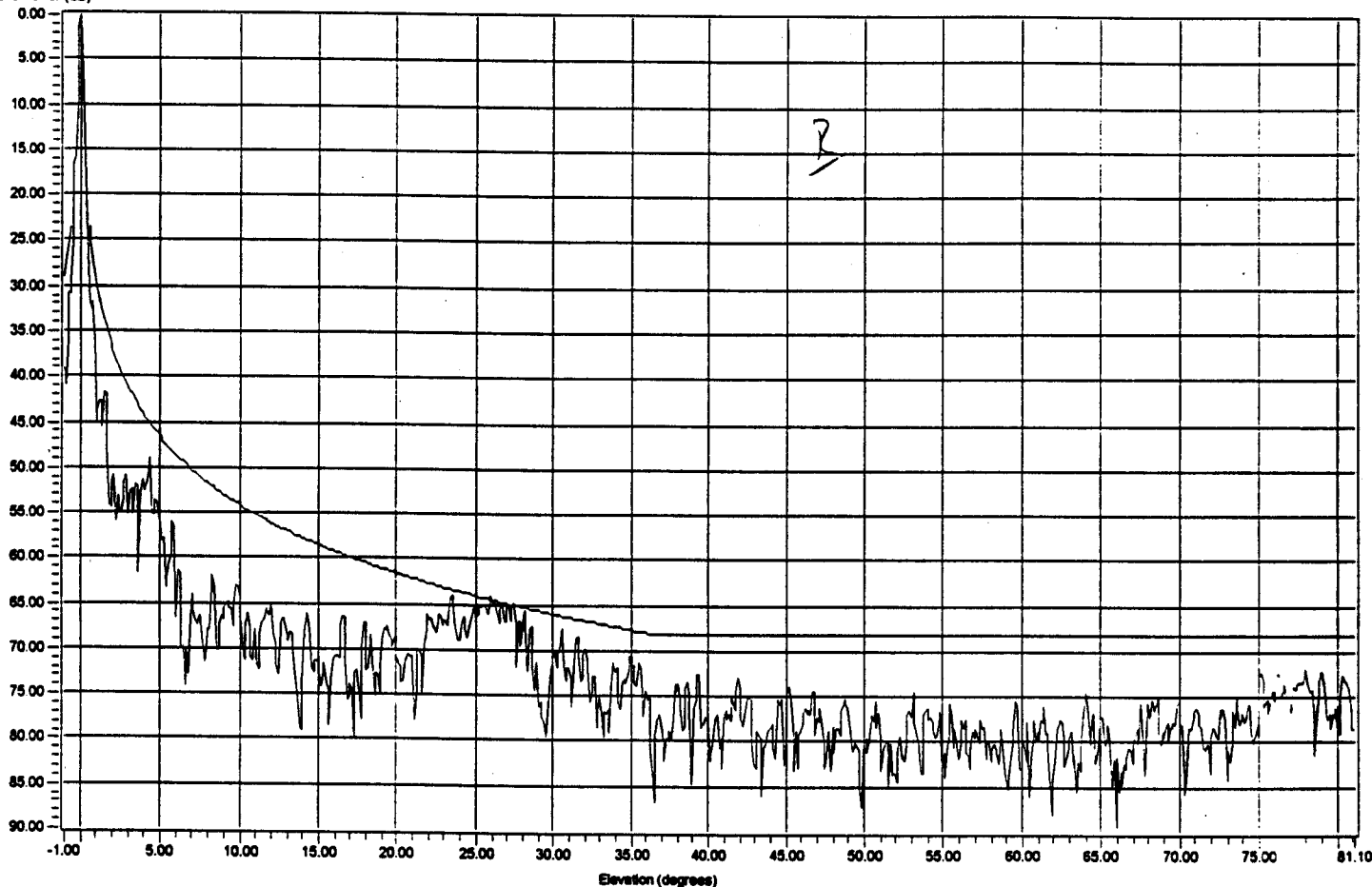
Copolarization Pattern and Applied Curve

Save pattern to file

Applied Curve: Custom Curve

Exit

Relative Power (dB)



Pattern Information

Frequency Band: Receive
Polarization: VERTICAL
Beginning: -1.00 degrees
Ending Angle: 81.20 degrees
Test Frequency: 11.7000 GHz

Antenna Information

Beam Center: Azimuth: 0.000
Elevation: 1.800
Specified Gain: 58.17 dB

Spectrum Analyzer Information

Resolution Bandwidth: 10.0000 Hz
Video Bandwidth: 10.0000 Hz
Sweep Time: 290.0 sec
Reference Level: -29.77 dB
Center Frequency: 11.7000 GHz

Use Ctrl-H to see information and instructions on specific fields in this panel.



VERITAS 2.4

WRITTEN BY JERRY M. WARD

Tuesday, February 04, 1997

2:41 PM

Local Time:

CUSTOMER: SES ASTRA

SATELLITE: LONG RANGE

SITE: VCC TEST RANGE

TRANSPONDERS: N/A

WEATHER: CLEAR

JOB NUMBER: 5133

ANTENNA: 9.0m CASSEGRAIN

TEST ENGINEER: J.R. CROWDER

Comments

2 section horn
plan view

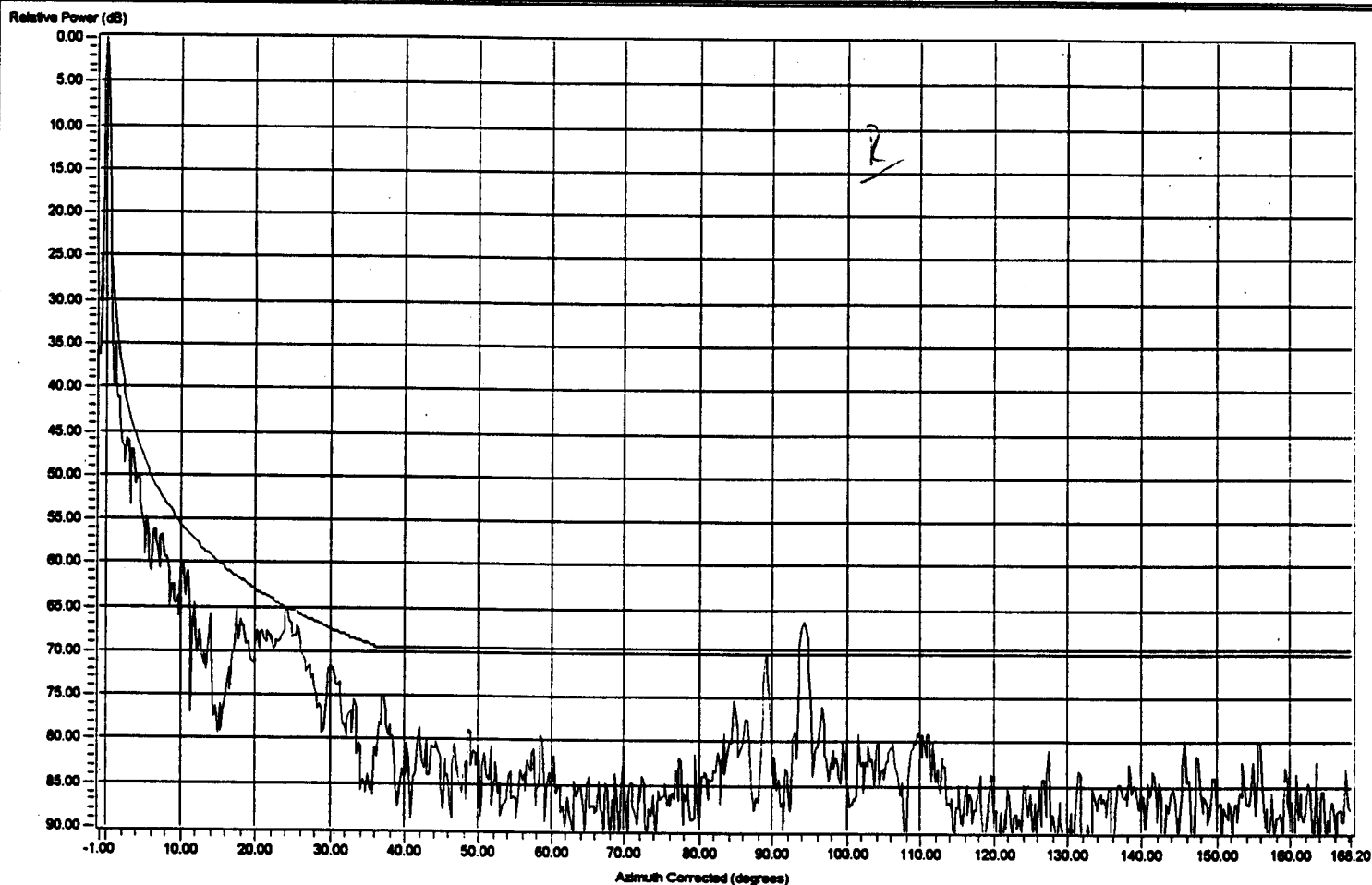
Copolarization Pattern and Applied Curve

Save pattern to file

Applied Curve:

Extended Horn

Exit



Pattern Information

Frequency Band: Transmit
Polarization: VERTICAL
Beginning: -1.00 degrees
Ending Angle: 168.90 degrees
Test Frequency: 14.1250 GHz

Antenna Information

Beam Center: Azimuth: 0.000
Elevation: 1.800
Specified Gain: 59.48 dB

Spectrum Analyzer Information

Resolution Bandwidth: 10.0000 Hz
Video Bandwidth: 10.0000 Hz
Sweep Time: 180.0 sec
Reference Level: -29.82 dB
Center Frequency: 14.1250 GHz

Use Ctrl-H to see information and instructions on specific fields in this panel.



CUSTOMER: SES ASTRA

SATELLITE: LONG RANGE

Comments

SITE: VCC TEST RANGE

TRANSPONDERS: N/A

WEATHER: CLEAR

JOB NUMBER: 5133

ANTENNA: 9.0m CASSEGRAIN

TEST ENGINEER: J.R. CROWDER

4 section Horn
Measured gain

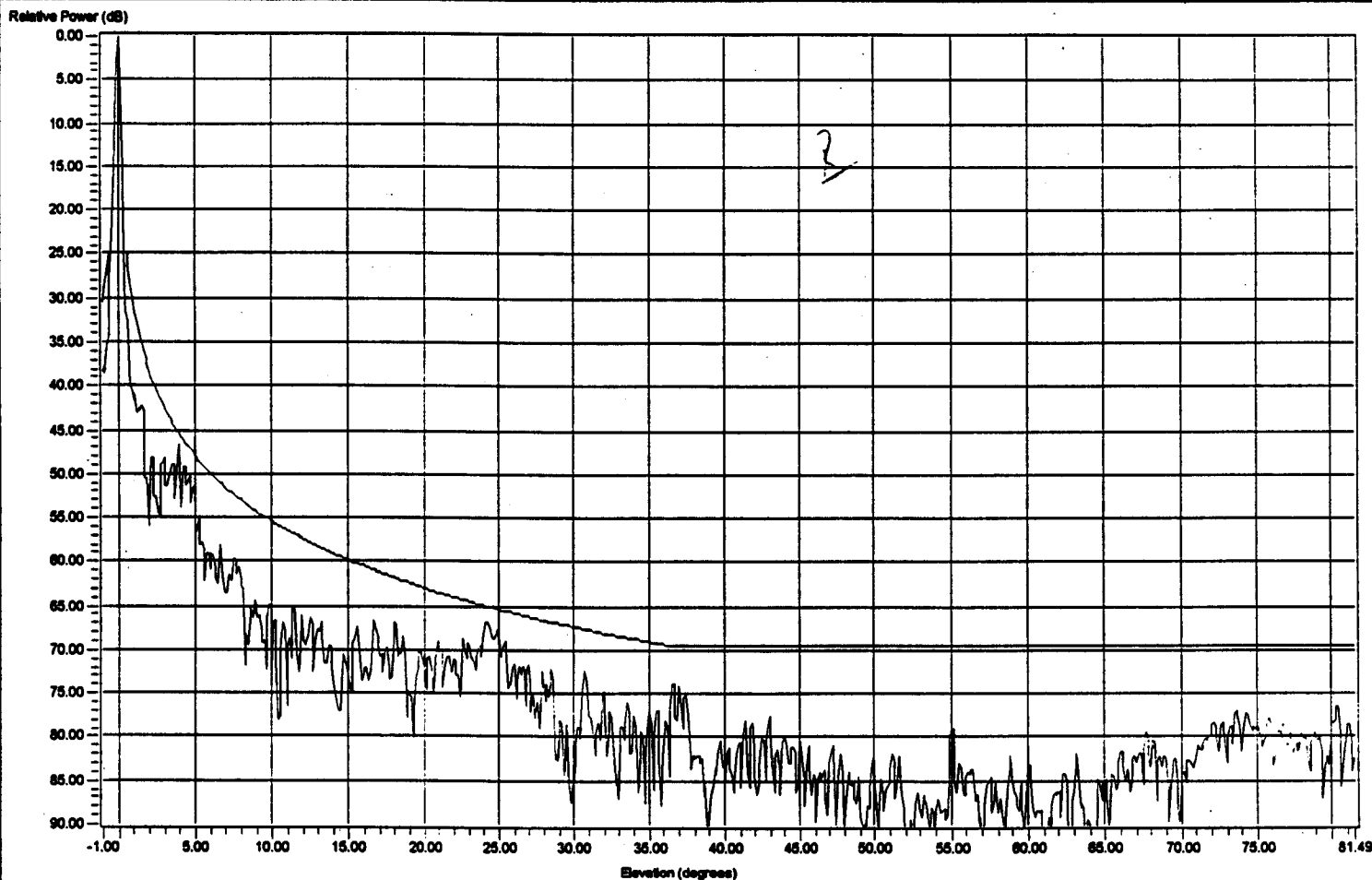
Copolarization Pattern and Applied Curve

Save pattern to file

Applied Curve: Custom Curve

Extended Horn

Exit



Pattern Information

Frequency Band: Transmit
Polarization: VERTICAL
Beginning: -1.00 degrees
Ending Angle: 81.59 degrees
Test Frequency: 14.1250 GHz

Antenna Information

Beam Center: Azimuth: 0.000
Elevation: 1.800
Specified Gain: 59.48 dB

Spectrum Analyzer Information

Resolution Bandwidth: 10.0000 Hz
Video Bandwidth: 10.0000 Hz
Sweep Time: 290.0 sec
Reference Level: -29.66 dB
Center Frequency: 14.1250 GHz

Use Ctrl-H to see information and instructions on specific fields in this panel.