

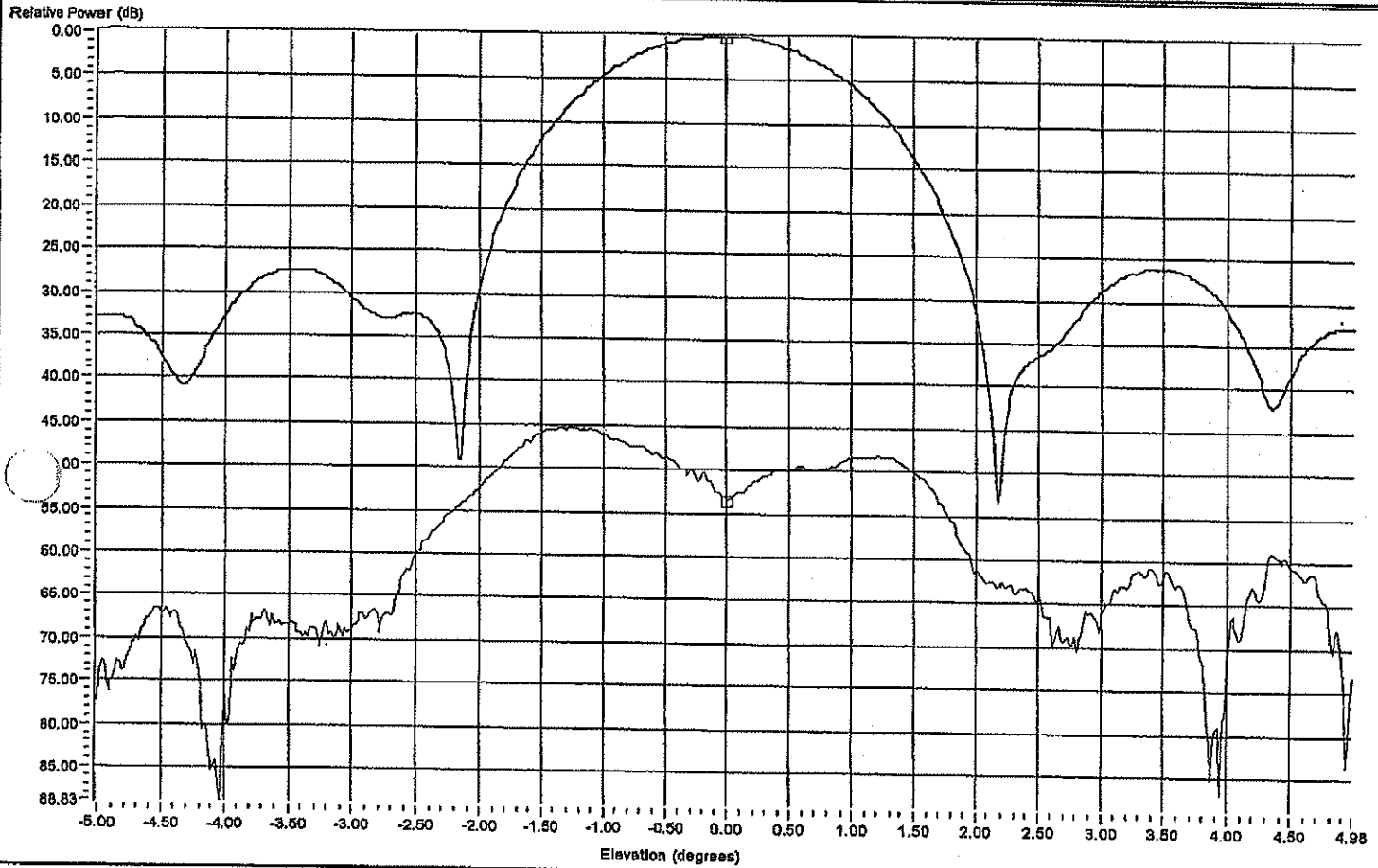
CUSTOMER: VertexRSI **SATELLITE:** SHORT RANGE
SITE: VertexRSI TEST RANGE **TRANSPONDERS:** N/A
WEATHER: PARTLY CLOUDY **JOB NUMBER:** 5224- PROTO
ANTENNA: 2.4 SMK-LT **TEST ENGINEER:** TIM PAYTON

Comments:

Cross Polarization Isolation and Applied Curve

Save pattern to file

Applied Curve: No Curve



<p>Frequency Band: Transmit</p> <p>Polarization: HORIZONTAL</p> <p>Beginning Angle: -5.00 degrees</p> <p>Ending Angle: 5.00 degrees</p> <p>Test Frequency: 5.8500 GHz</p>	<p>Copol Pattern</p> <p>Cross Pol Pattern</p> <p>Measured Cross Pol</p> <p>Cross Polarization Isolation: 53.67 dB</p>	<p>Resolution Bandwidth: 30.0000 Hz</p> <p>Video Bandwidth: 3.0000 Hz</p> <p>Sweep Time: 138.0 sec</p> <p>Reference Level: -36.93 dB</p> <p>Center Frequency: 5.8500 GHz</p> <p>Span: 0.0000 Hz</p>
<p>Beam Center: Azimuth: 0.00 deg</p> <p style="margin-left: 100px;">Elevation: 12.00 deg</p> <p>Specified Gain: 41.60 dB</p>		

VertexRSI Representative

Representative

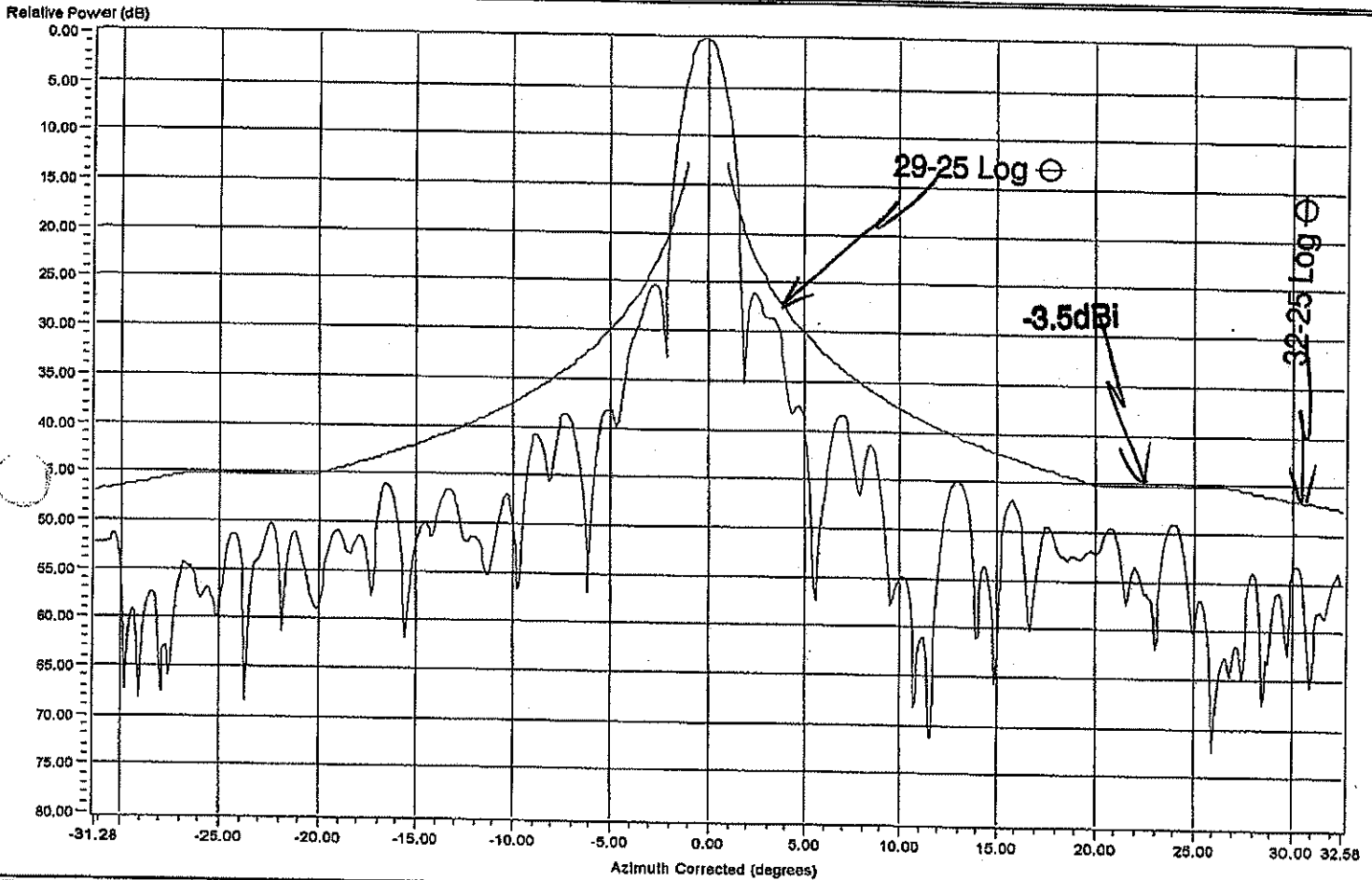
CUSTOMER: VertexRSI
SITE: VertexRSI TEST RANGE
WEATHER: PARTLY CLOUDY
ANTENNA: 2.4 SMK-LT
SATELLITE: SHORT RANGE
TRANSPONDERS: N/A
JOB NUMBER: 5224-PROTO
TEST ENGINEER: TIM PAYTON

Comments:

Copolarization Pattern and Applied Curve

Applied Curve: ITU 580-5

Save pattern



Pattern Information

Frequency Band: Transmit
Polarization: HORIZONTAL
Beginning Angle: -32.00 degrees
Ending Angle: 33.34 degrees
Test Frequency: 5.8500 GHz

Antenna Information

Beam Center: Azimuth: 0.000 deg
 Elevation: 12.000 deg
Specified Gain: 41.60 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
Video Bandwidth: 3.0000 Hz
Sweep Time: 66.0 sec
Reference Level: -32.40 dB
Center Frequency: 5.8500 GHz
Span: 0.0000 Hz

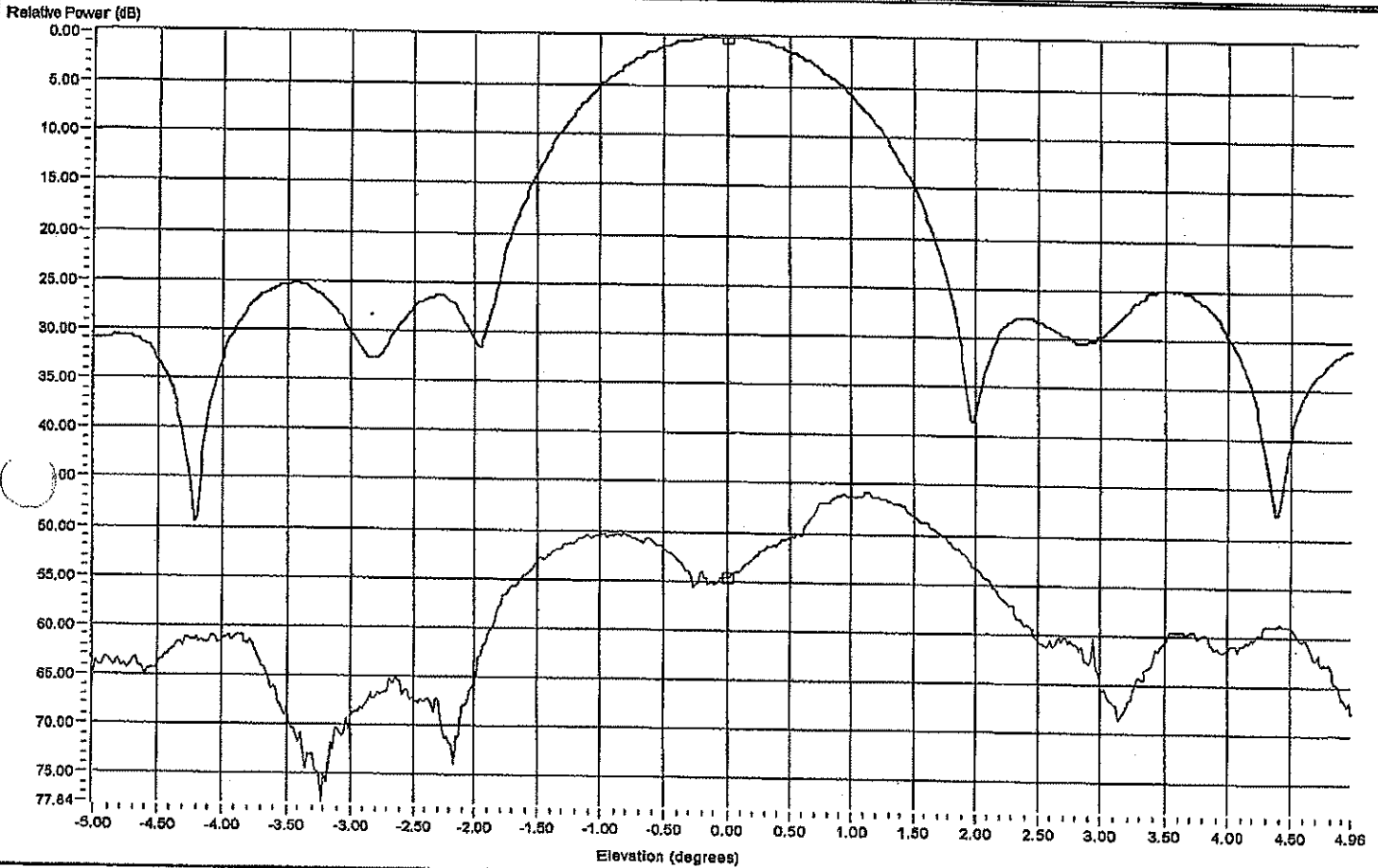
RSI Representative

Representative

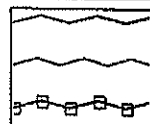
CUSTOMER: VertexRSI	SATELLITE: SHORT RANGE
SITE: VertexRSI TEST RANGE	TRANSPONDERS: N/A
WEATHER: PARTLY CLOUDY	JOB NUMBER: 5224-PROTO
ANTENNA: 2.4 SMK-LT	TEST ENGINEER: TIM PAYTON

Comments:

Cross Polarization Isolation and Applied Curve
Applied Curve:



Frequency Band:	Transmit
Polarization:	VERTICAL
Beginning Angle:	-5.00 degrees
Ending Angle:	4.98 degrees
Test Frequency:	5.8500 GHz

Copol Pattern
Cross Pol Pattern
Measured Cross Pol

Cross Polarization Isolation:

Beam Center:	Azimuth: 0.00 deg
	Elevation: 12.00 deg

Specified Gain: 41.60 dB

System Analysis Norms

Resolution Bandwidth:	30.0000 Hz
Video Bandwidth:	3.0000 Hz
Sweep Time:	135.0 sec
Reference Level:	-32.76 dB
Center Frequency:	5.8500 GHz
Span:	0.0000 Hz

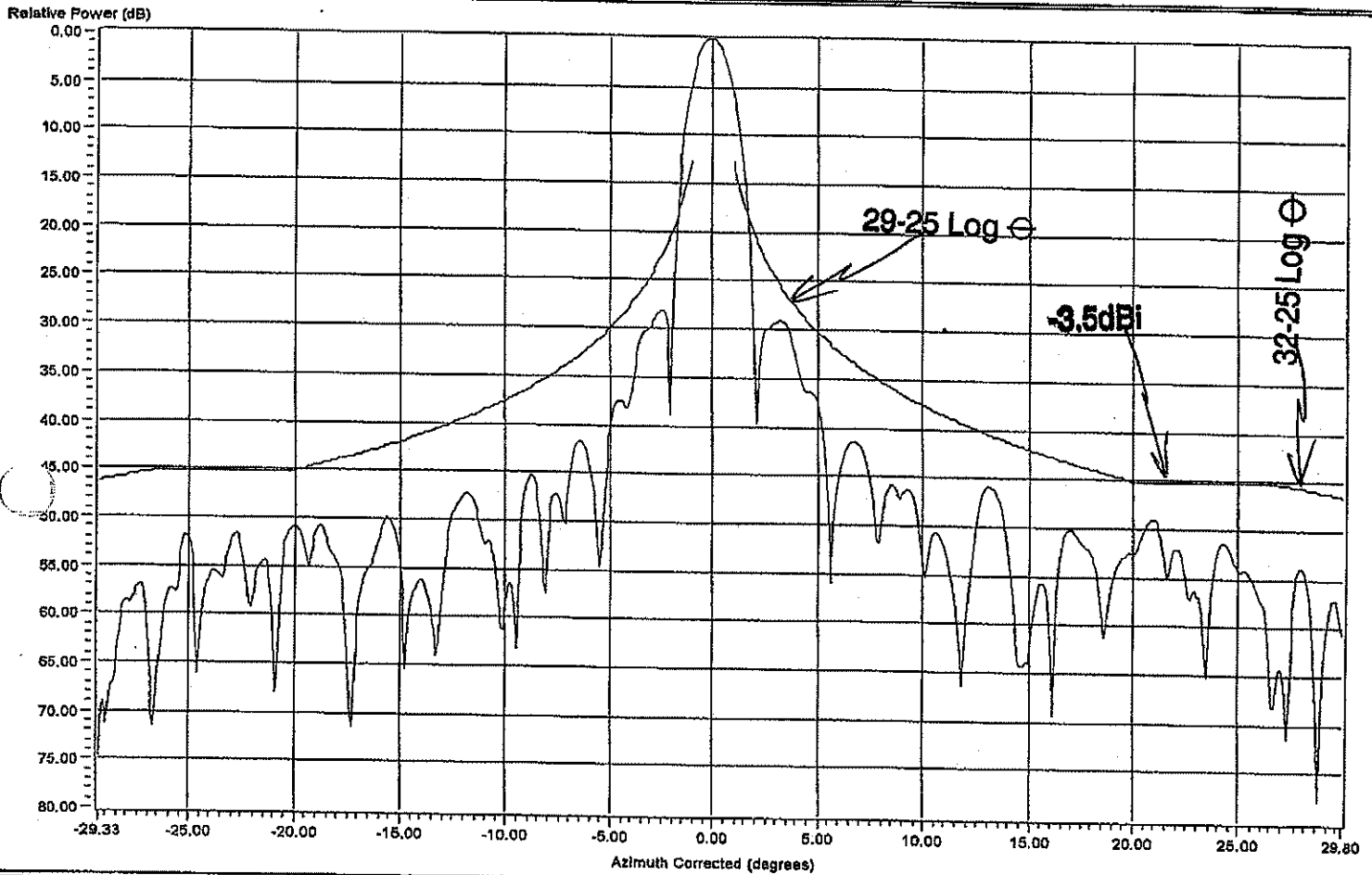
VertexRSI Representative

Representative

STOMER:	VertexRSI	SATELLITE:	SHORT RANGE
SITE:	VertexRSI TEST RANGE	TRANSPONDERS:	N/A
WEATHER:	PARTLY CLOUDY	JOB NUMBER:	5224-PROTO
ANTENNA:	2.4 SMK-LT	TEST ENGINEER:	TIM PAYTON

Comments:

Copolarization Pattern and Applied Curve

 Applied Curve:

Pattern Information

Frequency Band:	Transmit
Polarization:	VERTICAL
Beginning Angle:	-30.00 degrees
Ending Angle:	30.56 degrees
Test Frequency:	6.8500 GHz

Antenna Information

Beam Center:	Azimuth:	0.000 deg
	Elevation:	12.000 deg
Specified Gain:		41.60 dB

Spectrum Analyzer Information

Resolution Bandwidth:	30.0000 Hz
Video Bandwidth:	3.0000 Hz
Sweep Time:	64.0 sec
Reference Level:	-31.43 dB
Center Frequency:	5.8500 GHz
Span:	0.0000 Hz

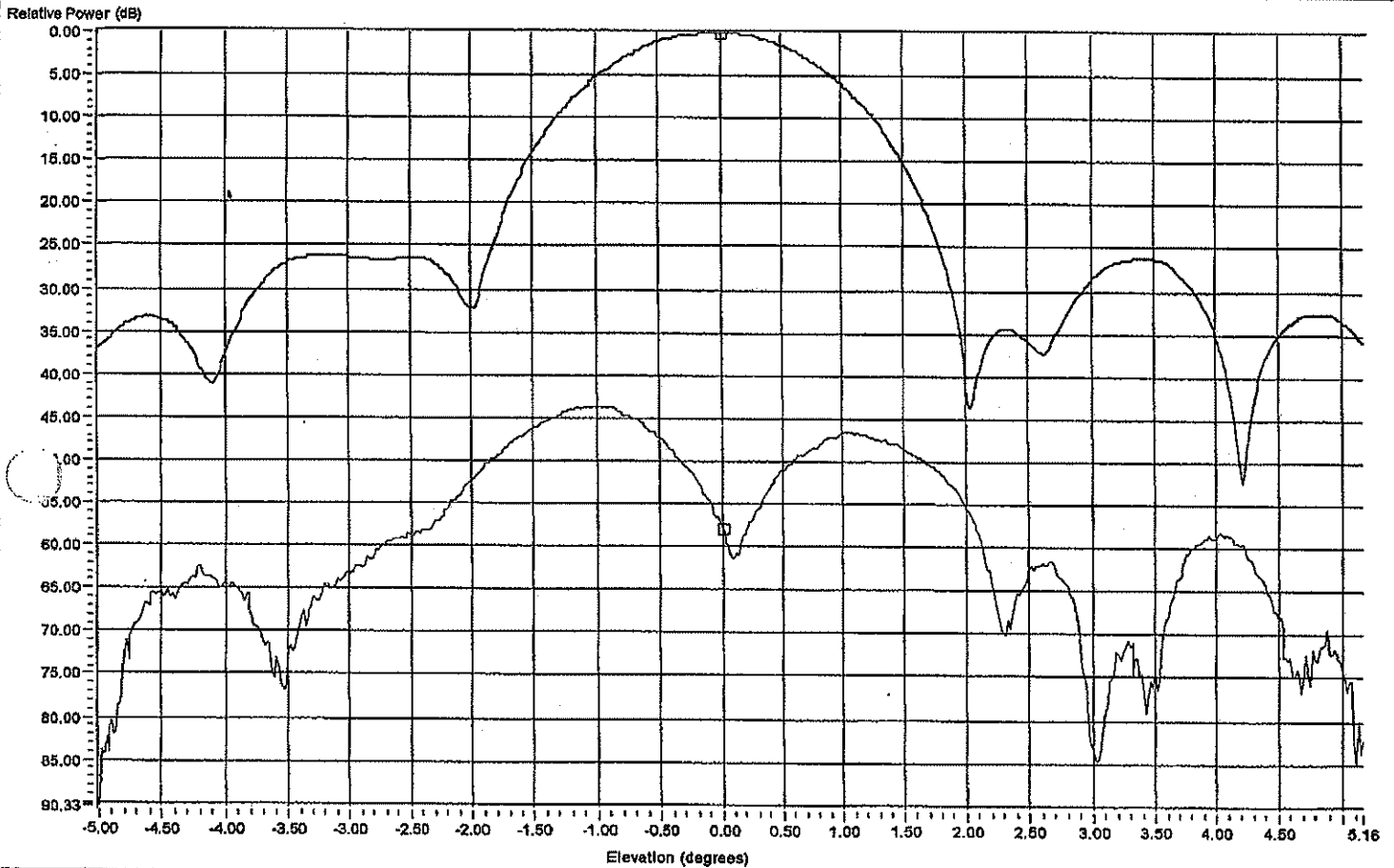
RSI Representative

Representative

CUSTOMER: VertexRSI **SATELLITE:** SHORT RANGE
SITE: VertexRSI TEST RANGE **TRANSPONDERS:** N/A
WEATHER: PARTLY CLOUDY **JOB NUMBER:** 5224-PROTO
ANTENNA: 2.4 SMK-LT **TEST ENGINEER:** TIM PAYTON

Comments:

Cross Polarization Isolation and Applied Curve

Applied Curve:


Elevation (degrees)

Antenna Parameters

Frequency Band: Transmit
Polarization: HORIZONTAL
Beginning Angle: -5.00 degrees
Ending Angle: 5.18 degrees
Test Frequency: 6.1380 GHz

Copol Pattern

Cross Pol Pattern
Measured Cross Pol



Cross Polarization Isolation:

Antenna Orientation

Beam Center: Azimuth: 0.00 deg
 Elevation: 12.00 deg
Specified Gain: 42.00 dB

System Parameters

Resolution Bandwidth: 30.0000 Hz
Video Bandwidth: 3.0000 Hz
Sweep Time: 138.0 sec
Reference Level: -36.00 dB
Center Frequency: 6.1380 GHz
Span: 0.0000 Hz

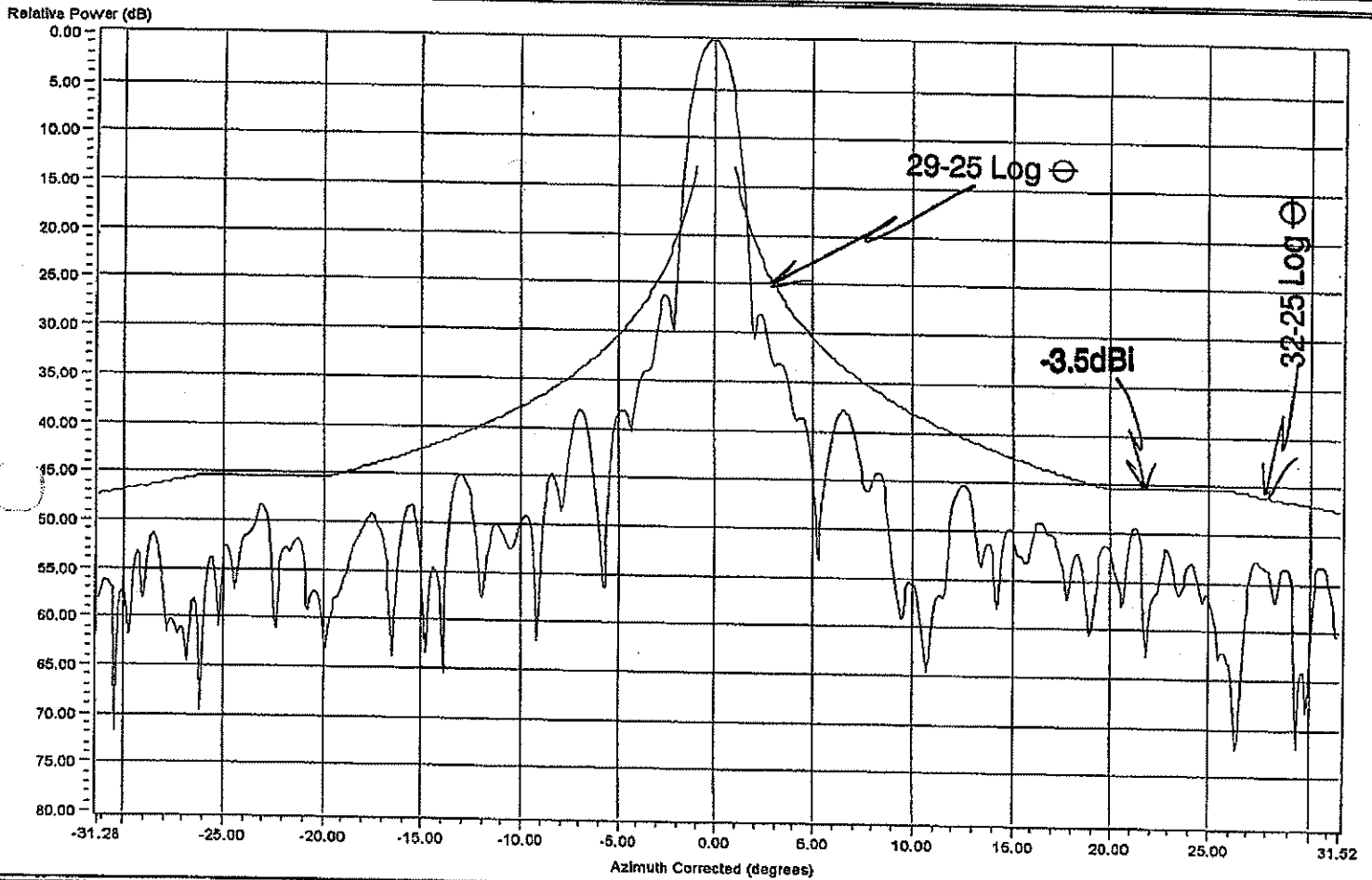
VertexRSI Representative

Representative

CUSTOMER: VertexRSI	SATELLITE: SHORT RANGE
SITE: VertexRSI TEST RANGE	TRANSPONDERS: N/A
WEATHER: PARTLY CLOUDY	JOB NUMBER: 5224- PROTO
ANTENNA: 2.4 SMK-LT	TEST ENGINEER: TIM PAYTON

Comments:

Copolarization Pattern and Applied Curve

 Applied Curve: ITU 580-5

Pattern Information

Frequency Band:	Transmit
Polarization:	HORIZONTAL
Beginning Angle:	-32.00 degrees
Ending Angle:	32.28 degrees
Test Frequency:	6.1380 GHz

Antenna Information

Beam Center:	Azimuth:	0.000 deg
	Elevation:	12.000 deg
Specified Gain:		42.00 dBi

Spectrum Analyzer Information

Resolution Bandwidth:	30.0000 Hz
Video Bandwidth:	3.0000 Hz
Sweep Time:	62.0 sec
Reference Level:	-36.00 dB
Center Frequency:	6.1380 GHz
Span:	0.0000 Hz

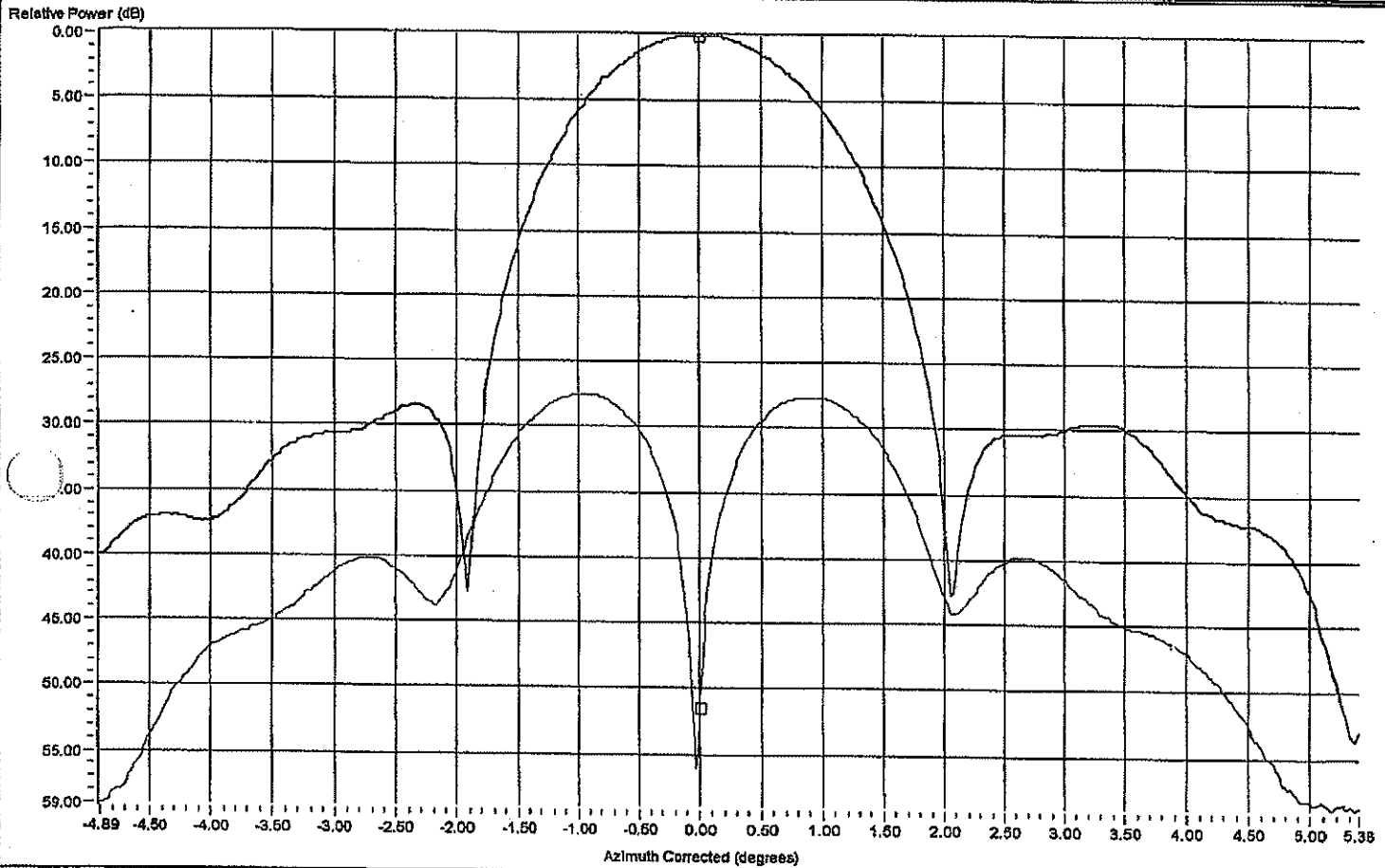
VertexRSI Representative

Representative

CUSTOMER: VertexRSI **SATELLITE:** SHORT RANGE
SITE: VertexRSI TEST RANGE **TRANSPONDERS:** N/A
WEATHER: PARTLY CLOUDY **JOB NUMBER:** 5224-PROTO
ANTENNA: 2.4 SMK-LT **TEST ENGINEER:** TIM PAYTON

Comments:

Cross Polarization Isolation and Applied Curve

Applied Curve:

Pattern Parameters

Frequency Band: Transmit
Polarization: VERTICAL
Beginning Angle: -4.89 degrees
Ending Angle: 5.40 degrees
Test Frequency: 6.1380 GHz

Copol Pattern
Cross Pol Pattern

Measured Cross Pol

Cross Polarization Isolation:


Antenna Parameters

Beam Center: Azimuth: 0.00 deg
 Elevation: 12.00 deg
Specified Gain: 42.00 dB

Residual Analyzer Parameters

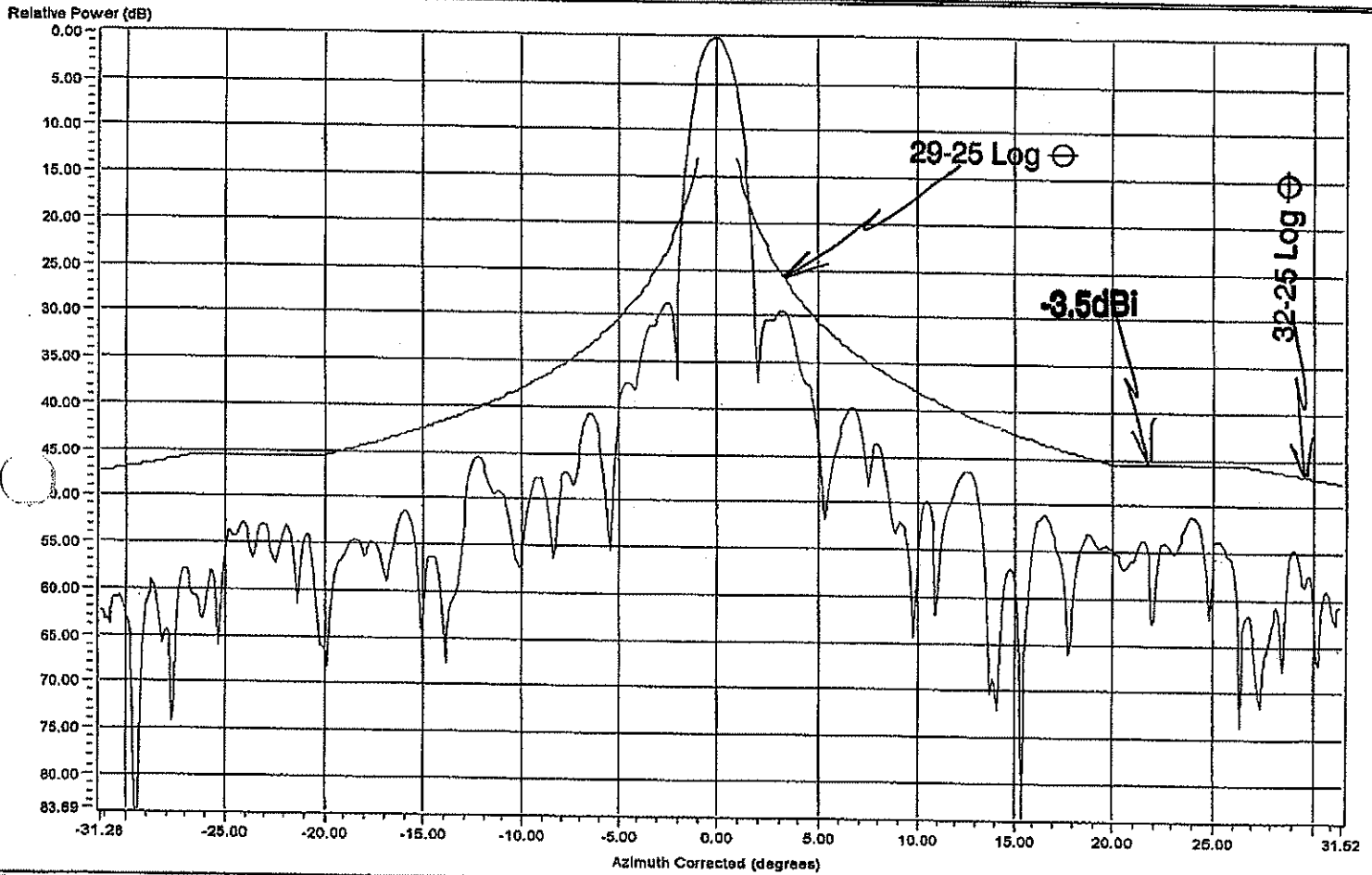
Resolution Bandwidth: 30.0000 Hz
Video Bandwidth: 3.0000 Hz
Sweep Time: 40.0 sec
Reference Level: -32.43 dB
Center Frequency: 6.1380 GHz
Span: 0.0000 Hz

VertexRSI Representative

Representative

CUSTOMER:	VertexRSI	SATELLITE:	SHORT RANGE
SITE:	VertexRSI TEST RANGE	TRANSPONDERS:	N/A
WEATHER:	PARTLY CLOUDY	JOB NUMBER:	5224-PROTO
ANTENNA:	2.4 SMK-LT	TEST ENGINEER:	TIM PAYTON

 Comments:
Copolization Pattern and Applied Curve
Save pattern

 Applied Curve: ITU 580-5

Pattern Information

Frequency Band:	Transmit
Polarization:	VERTICAL
Beginning Angle:	-32.00 degrees
Ending Angle:	32.28 degrees
Test Frequency:	6.1380 GHz

Beam Information

Beam Center:	Azimuth:	0.000 deg
	Elevation:	12.000 deg
Specified Gain:		42.00 dB

Spectrum Analyzer Information

Resolution Bandwidth:	30.0000 Hz
Video Bandwidth:	3.0000 Hz
Sweep Time:	65.0 sec
Reference Level:	-32.76 dB
Center Frequency:	6.1380 GHz
Span:	0.0000 Hz

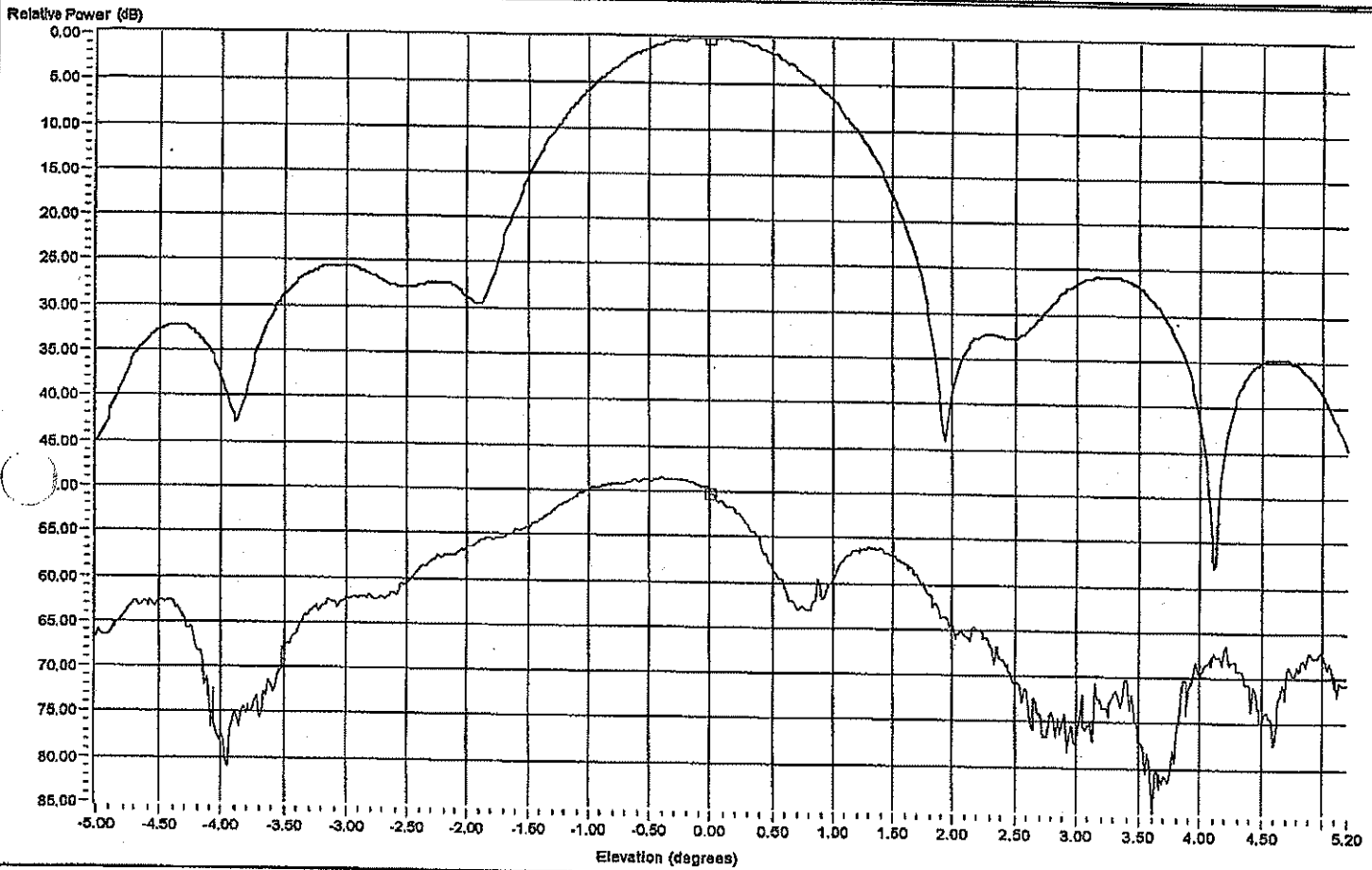
RSI Representative

Representative

CUSTOMER: VertexRSI	SATELLITE: SHORT RANGE
SITE: VertexRSI TEST RANGE	TRANSPONDERS: N/A
WEATHER: PARTLY CLOUDY	JOB NUMBER: 5224-PROTO
ANTENNA: 2.4 SMK-LT	TEST ENGINEER: TIM PAYTON

Comments:

Cross Polarization Isolation and Applied Curve

 Applied Curve: No Curve


<p>Frequency Band: Transmit</p> <p>Polarization: HORIZONTAL</p> <p>Beginning Angle: -5.00 degrees</p> <p>Ending Angle: 5.22 degrees</p> <p>Test Frequency: 6.4250 GHz</p>	<p>Copol Pattern</p> <p>Cross Pol Pattern</p> <p>Measured Cross Pol</p> <p>Cross Polarization Isolation: 50.16 dB</p>	<p>Beam Information</p> <p>Resolution Bandwidth: 30.0000 Hz</p> <p>Video Bandwidth: 3.0000 Hz</p> <p>Sweep Time: 138.0 sec</p> <p>Reference Level: -36.50 dB</p> <p>Center Frequency: 6.4250 GHz</p> <p>Span: 0.0000 Hz</p>
<p>Beam Center: Azimuth: 0.00 deg</p> <p style="padding-left: 100px;">Elevation: 12.00 deg</p> <p>Specified Gain: 42.10 dB</p>		

VertexRSI Representative

Representative

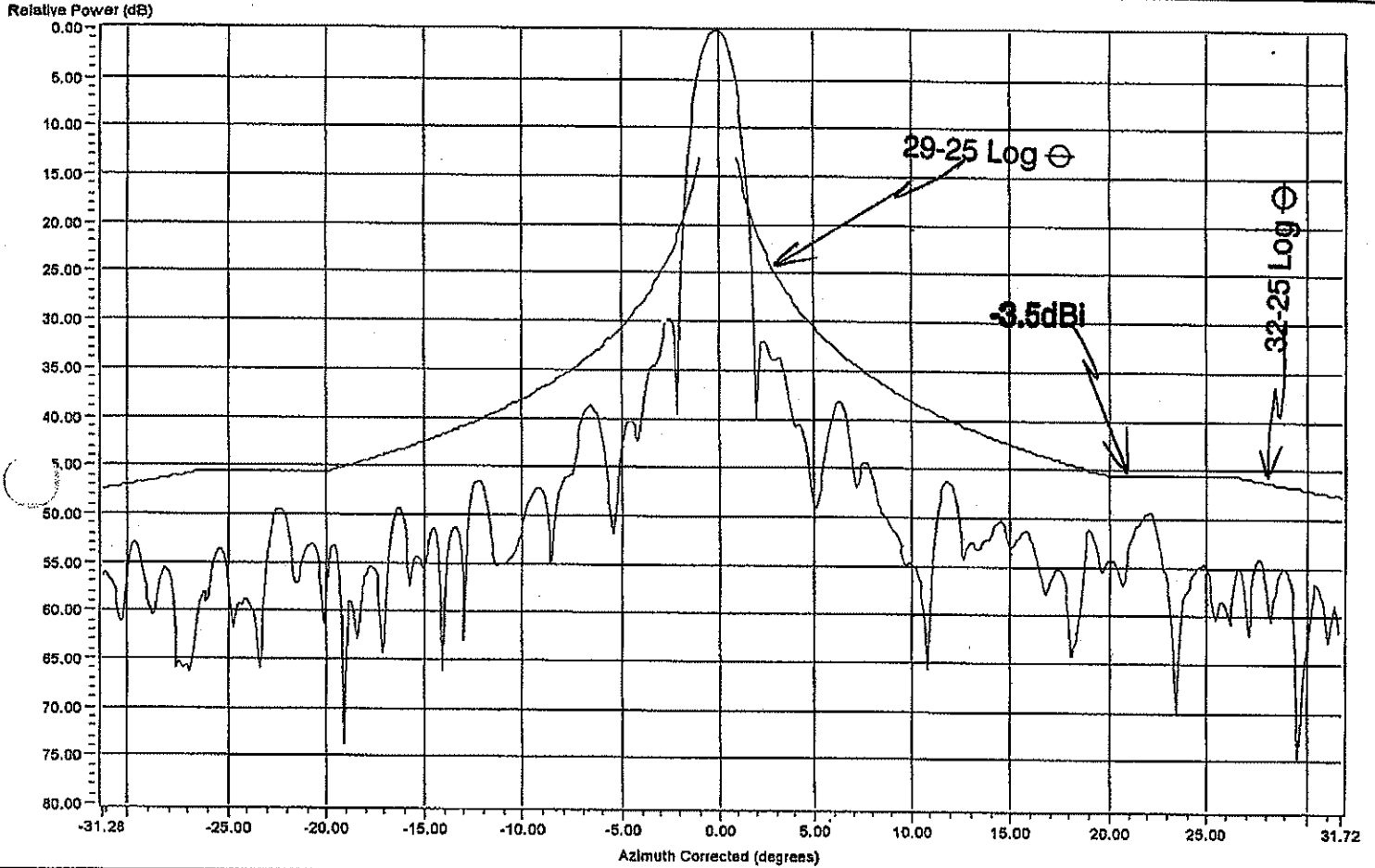
CUSTOMER: VertexRSI **SATELLITE:** SHORT RANGE
SITE: VertexRSI TEST RANGE **TRANSPONDERS:** N/A
WEATHER: PARTLY CLOUDY **JOB NUMBER:** 5224-PROTO
ANTENNA: 2.4 SMK-LT **TEST ENGINEER:** TIM PAYTON

Comments:

Copolarization Pattern and Applied Curve

Save pattern

Applied Curve: ITU 580-5



Pattern Data		Antenna Properties		Spectrum Analyzer Format	
Frequency Band:	Transmit	Beam Center:	Azimuth: 0.000 deg	Resolution Bandwidth:	30.0000 Hz
Polarization:	HORIZONTAL		Elevation: 12.000 deg	Video Bandwidth:	3.0000 Hz
Beginning Angle:	-32.00 degrees	Specified Gain:	42.10 dB	Sweep Time:	62.0 sec
Ending Angle:	32.47 degrees			Reference Level:	-36.50 dB
Test Frequency:	6.4250 GHz			Center Frequency:	6.4250 GHz
				Span:	0.0000 Hz

 RSI Representative Representative



VERITAS 3.1

REVISED BY ALAN B. POLLARD

Friday, May 30, 2003

9:31 AM Local Time:

CUSTOMER: VertexRSI
 SITE: VertexRSI TEST RANGE
 WEATHER: PARTLY CLOUDY
 ANTENNA: 2.4 SMK-LT

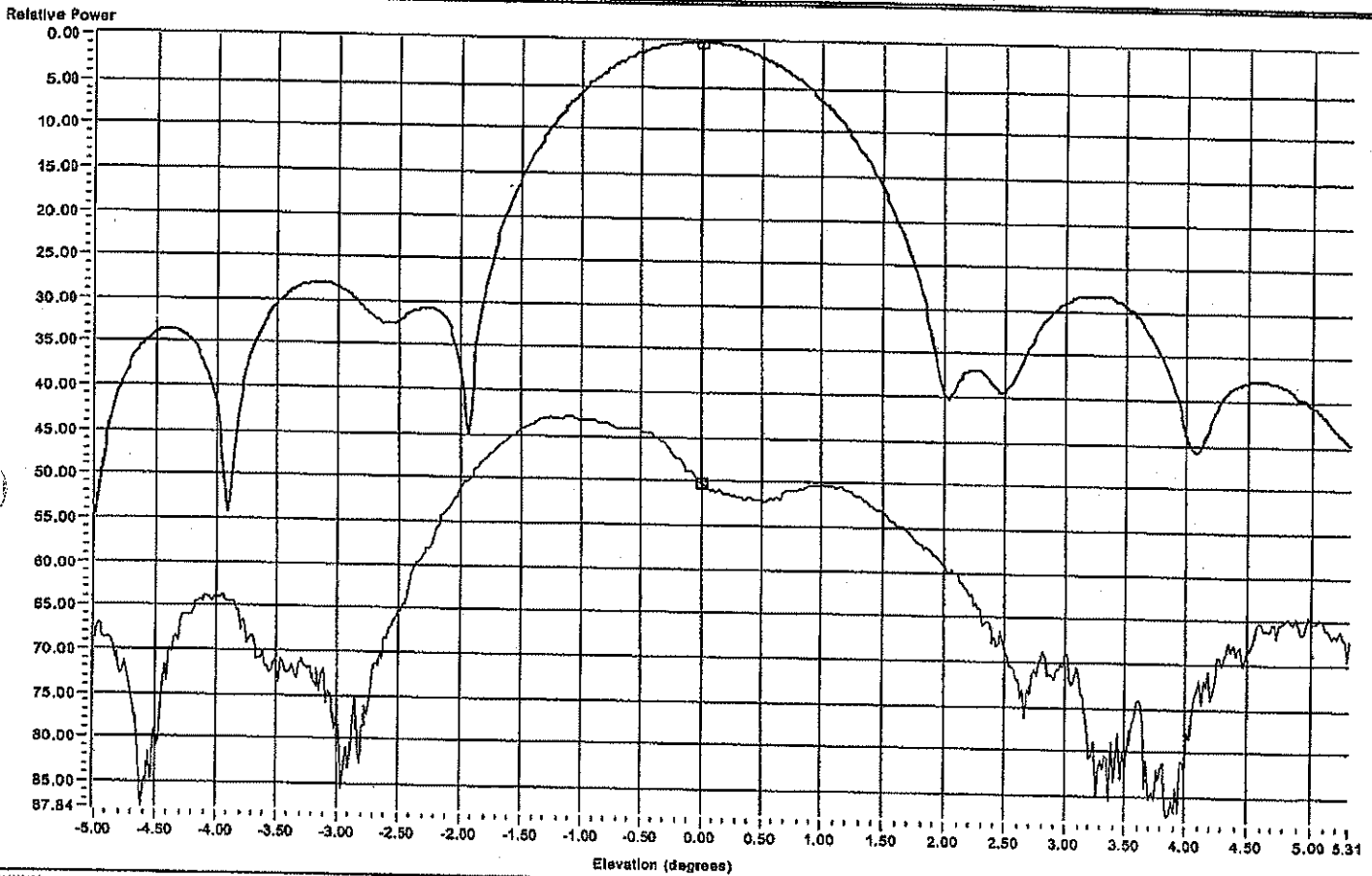
SATELLITE: SHORT RANGE
 TRANSPONDERS: N/A
 JOB NUMBER: 5224-PROTO
 TEST ENGINEER: TIM PAYTON

Comments:

Cross Polarization Isolation and Applied Curve

Applied Curve:

Save pattern to file



Frequency Band: Transmit
 Polarization: VERTICAL
 Beginning Angle: -5.00 degrees
 Ending Angle: 5.33 degrees
 Test Frequency: 6.4250 GHz

Copol Pattern
 Cross Pol Pattern
 Measured Cross Pol
 Cross Polarization Isolation:

Beam Center: Azimuth: 0.00 deg
 Elevation: 12.00 deg
 Specified Gain: 42.10dB

Resolution Bandwidth: 30.0000 Hz
 Video Bandwidth: 3.0000 Hz
 Sweep Time: 137.0 sec
 Reference Level: -33.76 dB
 Center Frequency: 6.4250 GHz
 Span: 0.0000 Hz

VertexRSI Representative

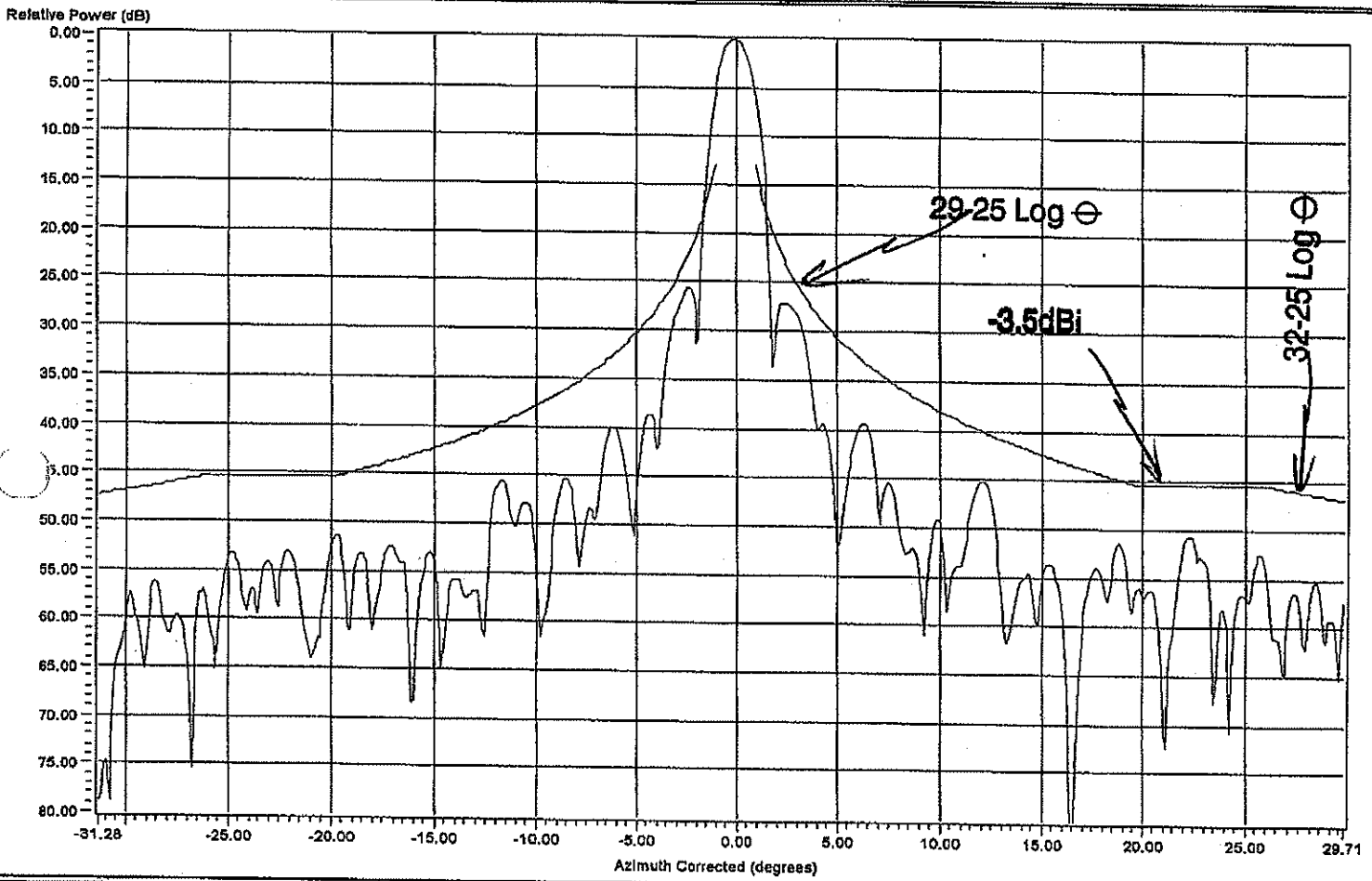
Representative

CUSTOMER: VertexRSI
SITE: VertexRSI TEST RANGE
WEATHER: PARTLY CLOUDY
ANTENNA: 2.4 SMK-LT
SATELLITE: SHORT RANGE
TRANSPONDERS: N/A
JOB NUMBER: 5224-PROTO
TEST ENGINEER: TIM PAYTON

Comments:

Copolarization Pattern and Applied Curve

Save pattern

 Applied Curve:


Frequency Band: Transmit
Polarization: VERTICAL
Beginning Angle: -32.00 degrees
Ending Angle: 30.45 degrees
Test Frequency: 6.4250 GHz

Antenna Information
Beam Center: Azimuth: 0.000 deg
 Elevation: 12.000 deg
Specified Gain: 42.00 dB

Spectrum Analyzer Information
Resolution Bandwidth: 30.0000 Hz
Video Bandwidth: 3.0000 Hz
Sweep Time: 65.0 sec
Reference Level: -35.26 dB
Center Frequency: 6.4250 GHz
Span: 0.0000 Hz

VertexRSI Representative

Representative