

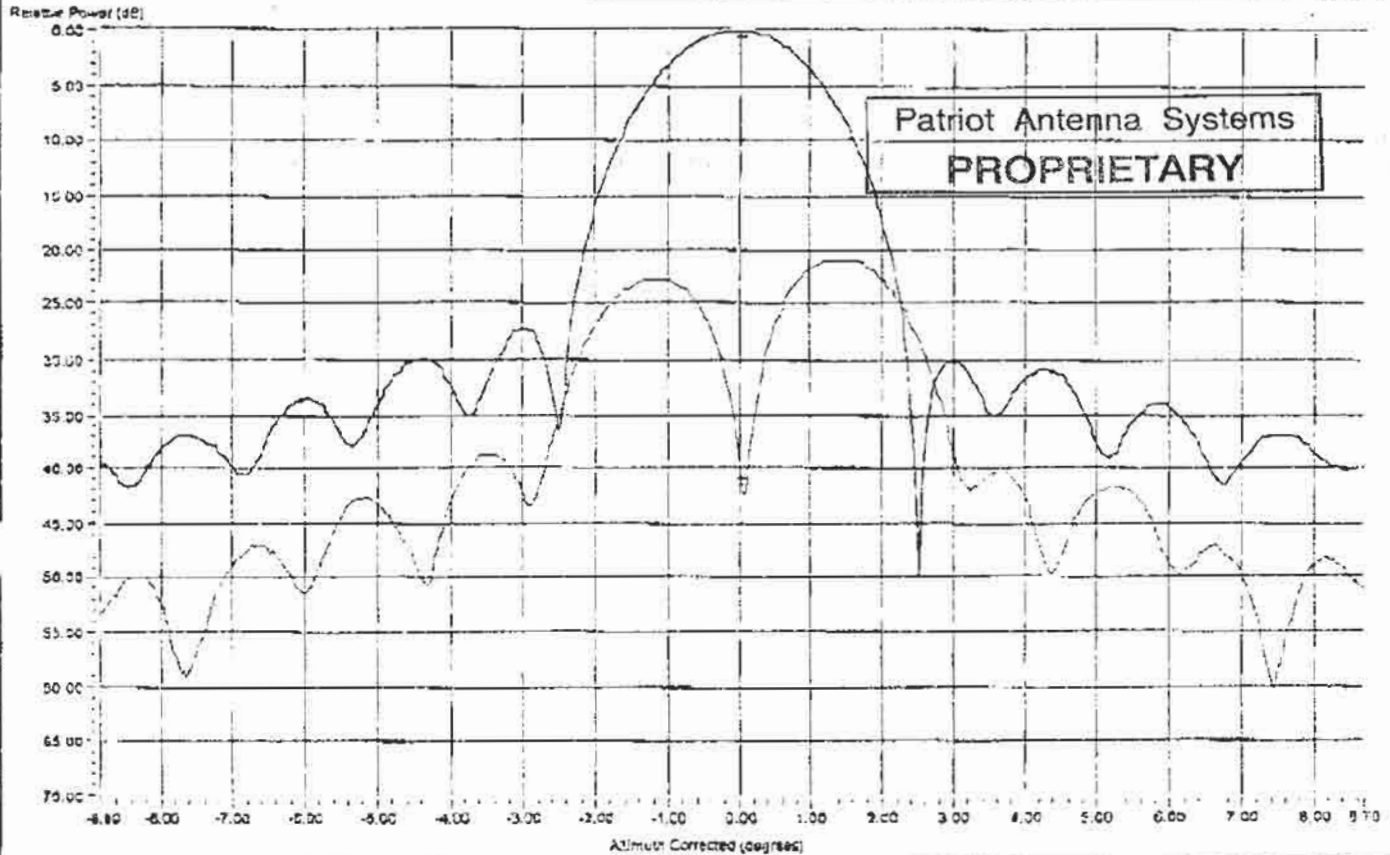
CUSTOMER: PATRIOT SATELLITE: Short Range
 SITE: VertexRSI Test Range TRANSPONDERS: N/A
 WEATHER: Clear JOB NUMBER: S4184
 ANTENNA: 1.0m Ku #1 TEST ENGINEER: Todd Weaver

Comments:

Cross Polarization Isolation and Applied Curve

Save pattern to file

Applied Curve: TU 58C-5



Receive Information		Cross Pol. Pattern		Spectrum Analyzer Information	
Frequency/Band:	Receive	Cross Pol. Pattern:		Resolution Bandwidth:	33.0000 Hz
Polarization:	VERTICAL	Measured Cross Pol.:		Video Bandwidth:	33.0000 Hz
Beginning Ang. a:	-8.80 degrees	Cross Polarization Isolation:	40.35 dB	Sweep Time:	130.0 sec
Ending Angle:	8.71 degrees	Antenna Information		Reference Level:	-31.53 dB
Test Frequency:	10.7000 GHz	Beam Center:	Azimuth: 0.00 deg	Center Frequency:	10.7000 GHz
			Elevation: 12.00 deg	Span:	0.0000 Hz
		Specified Gain:	39.55 dB		

VertexRSI Representative

Representative

COMER: PATRIOT **SATELLITE:** Short Range
 VertexRSI Test Range **TRANSPONDERS:** N/A
WEATHER: Clear **JOB NUMBER:** S4184
ANTENNA: 1.0m Ku #1 **TEST ENGINEER:** Todd Weaver

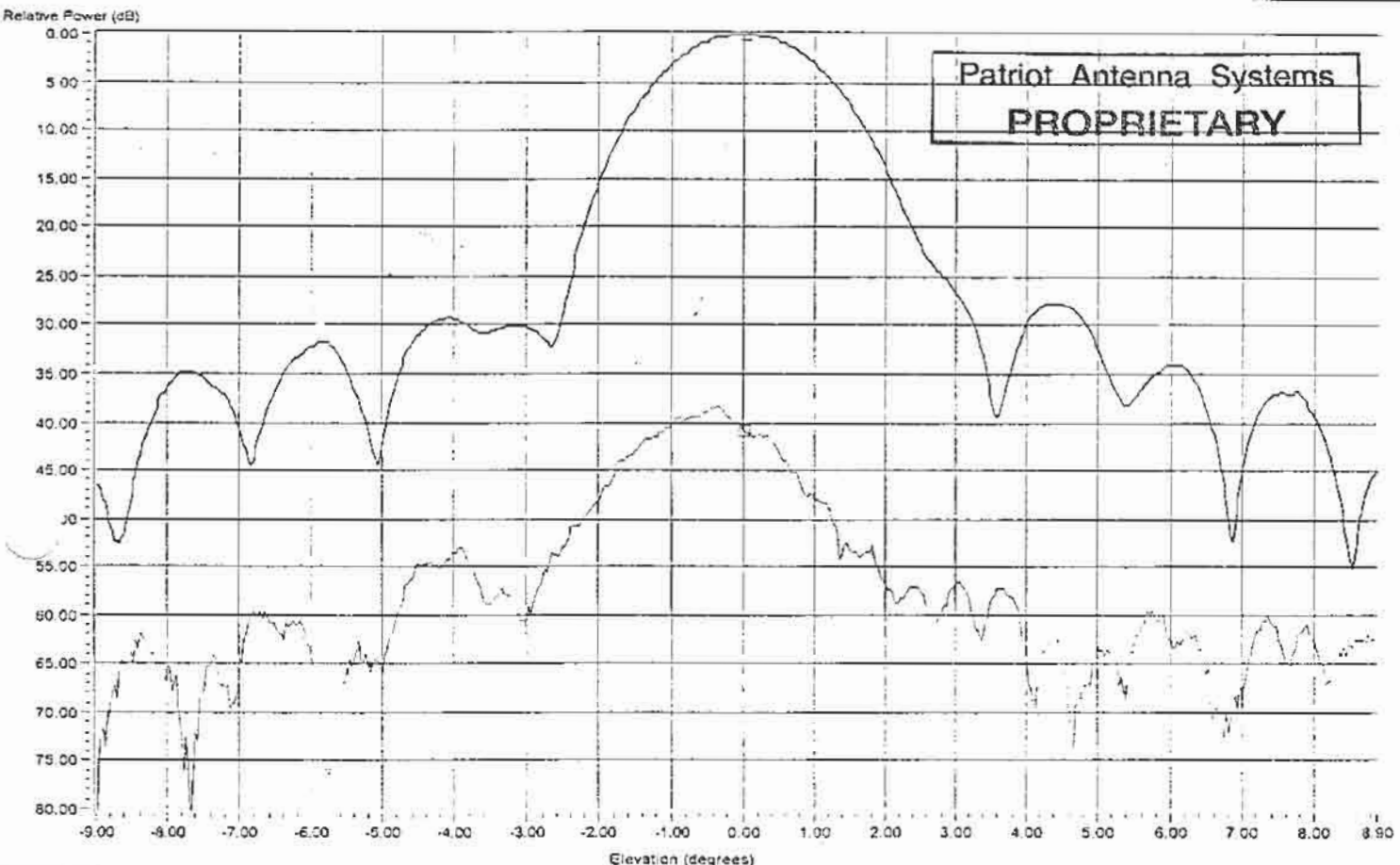
Comments:

Cross Polarization Isolation and Applied Curve

Save pattern to file

Applied Curve:

Print



<p>Pattern Information</p> <p>Frequency Band: Receive</p> <p>Polarization: VERTICAL</p> <p>Beginning Angle: -9.00 degrees</p> <p>Ending Angle: 8.91 degrees</p> <p>Test Frequency: 10.7000 GHz</p>	<p>Copci Pattern</p> <p>Cross Pol Pattern</p> <p>Measured Cross Pol</p> <p>Cross Polarization Isolation: <input type="text" value="40.83 dB"/></p>	<p>Spectrum Analyzer Information</p> <p>Resolution Bandwidth: 30.0000 Hz</p> <p>Video Bandwidth: 30.0000 Hz</p> <p>Sweep Time: 135.0 sec</p> <p>Reference Level: -31.53 dB</p> <p>Center Frequency: 10.7000 GHz</p> <p>Span: 0.0000 Hz</p>
<p>Antenna Information</p> <p>Beam Center: Azimuth: 0.00 deg</p> <p>Elevation: 12.00 deg</p> <p>Specified Gain: 39.65 dB</p>		

VertexRSI Representative

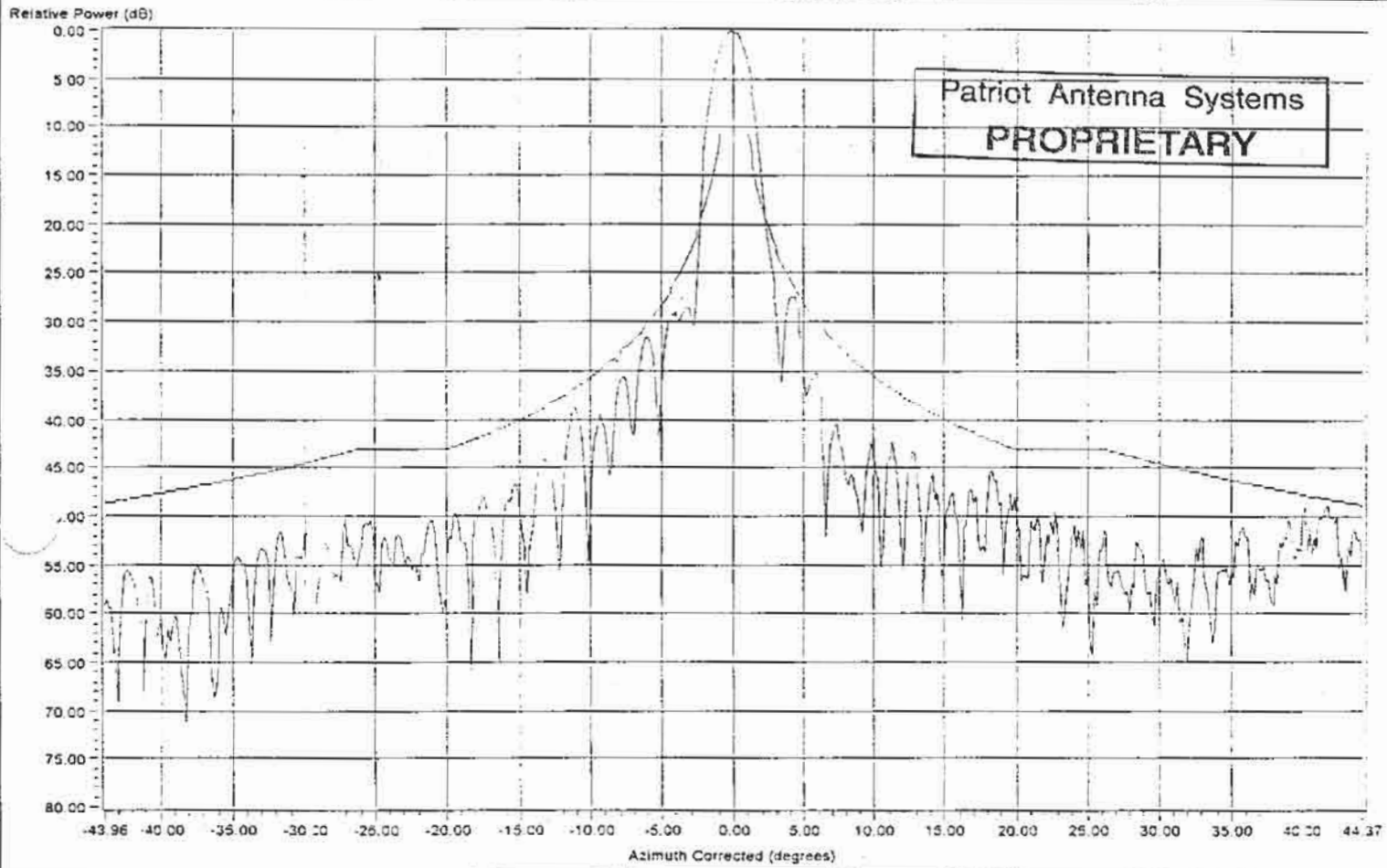
Representative

CUSTOMER: PATRIOT SATELLITE: Short Range
 VertexRSI Test Range
 WEATHER: Clear TRANSPONDERS: N/A
 ANTENNA: 1.0m Ku #1 JOB NUMBER: S4184
 TEST ENGINEER: Todd Weaver

Comments:

Copolarization Pattern and Applied Curve
 Applied Curve:

Save pattern



Pattern Information

Frequency Band: Receive
 Polarization: VERTICAL
 Beginning Angle: -45.00 degrees
 Ending Angle: 45.52 degrees
 Test Frequency: 10.7000 GHz

Antenna Information

Beam Center: Azimuth: 0.000 deg
 Elevation: 12.000 deg
 Specified Gain: 39.65 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
 Video Bandwidth: 30.0000 Hz
 Sweep Time: 95.0 sec
 Reference Level: -31.96 dB
 Center Frequency: 10.7000 GHz
 Span: 0.0000 Hz

RSI Representative

Representative

VERITAS 3.1

REVISED BY ALAN B. PCELLARD

CUSTOMER: PATRIOT
VertexRSI Test Range

WEATHER: Clear

ANTENNA: 1.0m Ku #1

SATELLITE: Short Range

TRANSPONDERS: N/A

JOB NUMBER: S4184

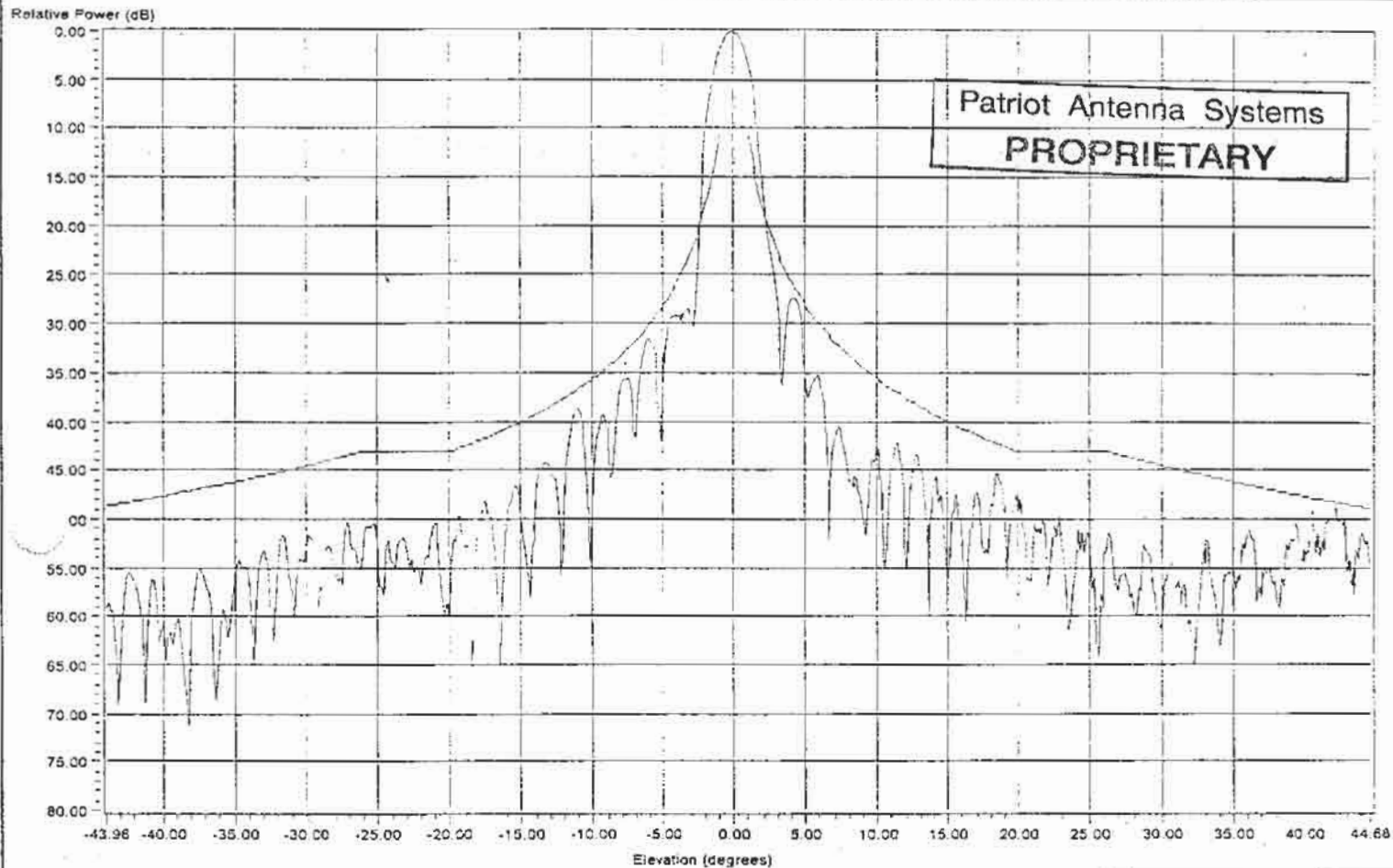
TEST ENGINEER: Todd Weaver

Comments:

Copolarization Pattern and Applied Curve

Save pattern

Applied Curve: ITU 580-5



Pattern Information

Frequency Band: Receive

Polarization: VERTICAL

Beginning Angle: -45.00 degrees

Ending Angle: 45.87 degrees

Test Frequency: 10.7000 GHz

Antenna Information

Beam Center: Azimuth: 0.000 deg
Elevation: 12.000 deg

Specified Gain: 39.65 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz

Video Bandwidth: 30.0000 Hz

Sweep Time: 95.0 sec

Reference Level: -31.86 dB

Center Frequency: 10.7000 GHz

Span: 0.0000 Hz

V RSI Representative

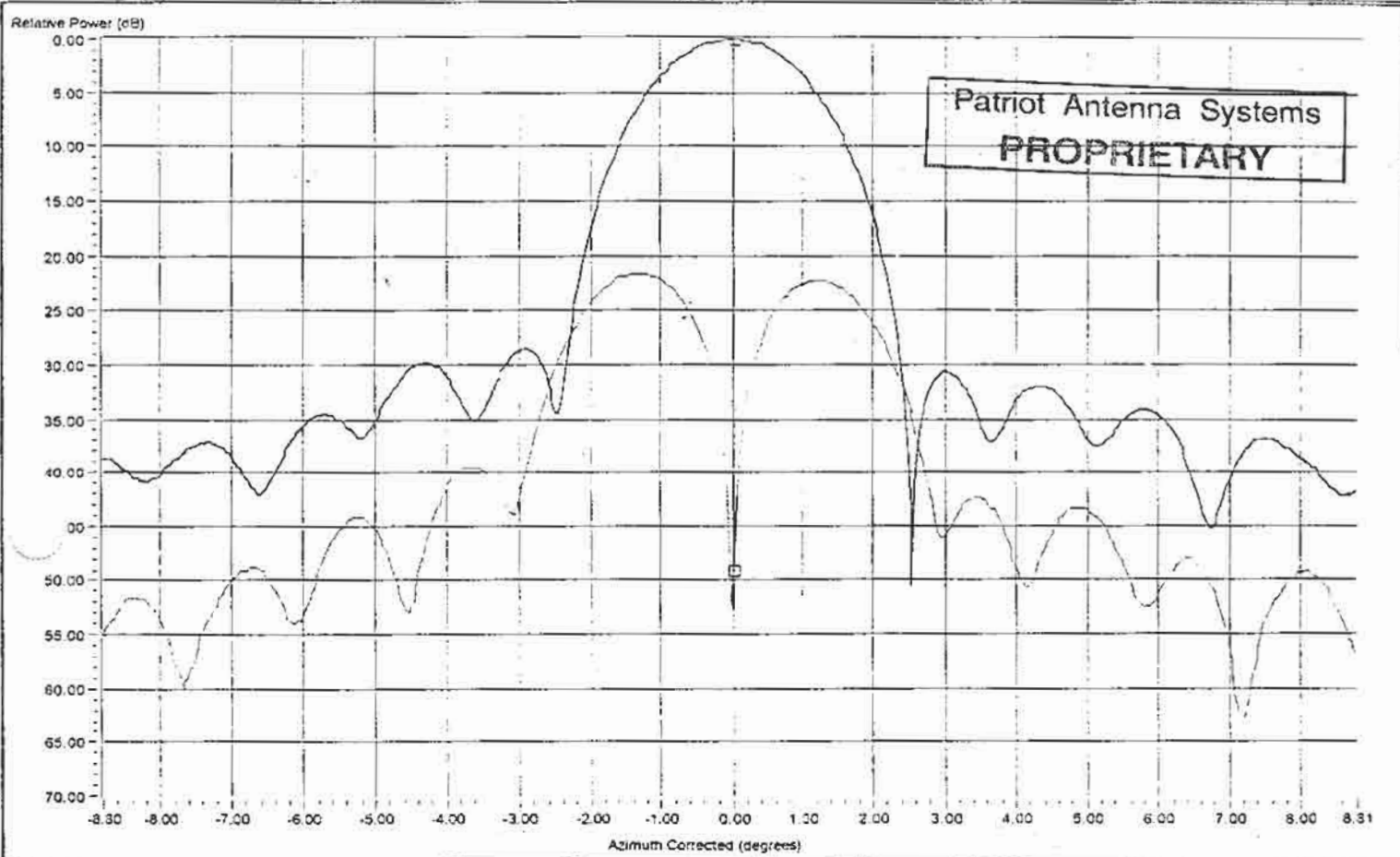
Representative

CUSTOMER: PATRIOT **SATELLITE:** Short Range **Comments:**
 VertexRSI Test Range **TRANSPONDERS:** N/A
WEATHER: Clear **JOB NUMBER:** S4164
ANTENNA: 1.0m Ku #1 **TEST ENGINEER:** Todd Weaver

Cross Polarization Isolation and Applied Curve

Save pattern to file

Applied Curve: ITU 580-5



<p>Pattern Information</p> <p>Frequency Band: Receive</p> <p>Polarization: VERTICAL</p> <p>Beginning Angle: -8.80 degrees</p> <p>Ending Angle: 8.82 degrees</p> <p>Test Frequency: 10.9500 GHz</p>	<p>Copol Pattern</p> <p>Cross Pol Pattern</p> <p>Measured Cross Pol</p> <p>Cross Polarization Isolation: 49.00 dB</p>	<p>Spectrum Analyzer Information</p> <p>Resolution Bandwidth: 30.0000 Hz</p> <p>Video Bandwidth: 30.0000 Hz</p> <p>Sweep Time: 130.0 sec</p> <p>Reference Level: -30.20 dB</p> <p>Center Frequency: 10.9500 GHz</p> <p>Span: 0.0000 Hz</p>
<p>Antenna Information</p> <p>Beam Center: Azimuth: 0.00 deg</p> <p>Elevation: 12.00 deg</p> <p>Specified Gain: 39.88 dB</p>		

VertexRSI Representative Representative

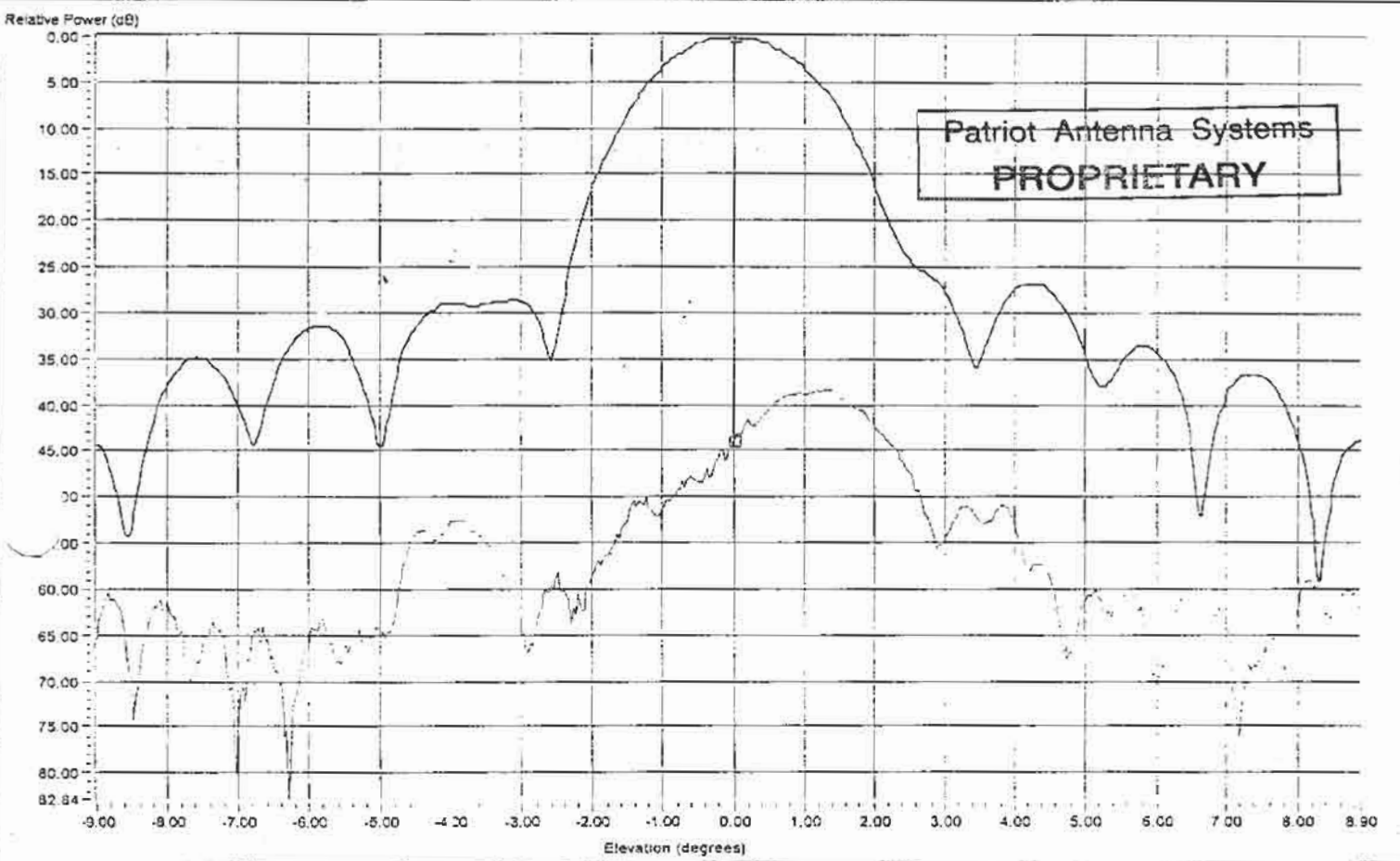
CUSTOMER: PATRIOT SATELLITE: Short Range
 VertexRSI Test Range TRANSPONDERS: N/A
 WEATHER: Clear JOB NUMBER: S4184
 ANTENNA: 1.0m Ku #1 TEST ENGINEER: Todd Weaver

Comments:

Cross Polarization Isolation and Applied Curve




Save pattern to file

Applied Curve: ITU 580-5



Pattern Information

Frequency Band: Receive
 Polarization: VERTICAL
 Beginning Angle: -9.00 degrees
 Ending Angle: 8.92 degrees
 Test Frequency: 10.9500 GHz

Cocci Pattern 
 Cross Pol Pattern 
 Measured Cross Pol 
 Cross Polarization Isolation: 44.00 dB

Antenna Information

Beam Center: Azimuth: 0.00 deg
 Elevation: 12.00 deg
 Specified Gain: 39.88 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
 Video Bandwidth: 30.0000 Hz
 Sweep Time: 135.0 sec
 Reference Level: -30.35 dB
 Center Frequency: 10.9500 GHz
 Span: 0.0000 Hz

VertexRSI Representative Representative

CUSTOMER: PATRIOT

SATELLITE: Short Range

Comments:

VertexRSI Test Range

TRANSPONDERS: N/A

WEATHER: Clear

JOB NUMBER: S4184

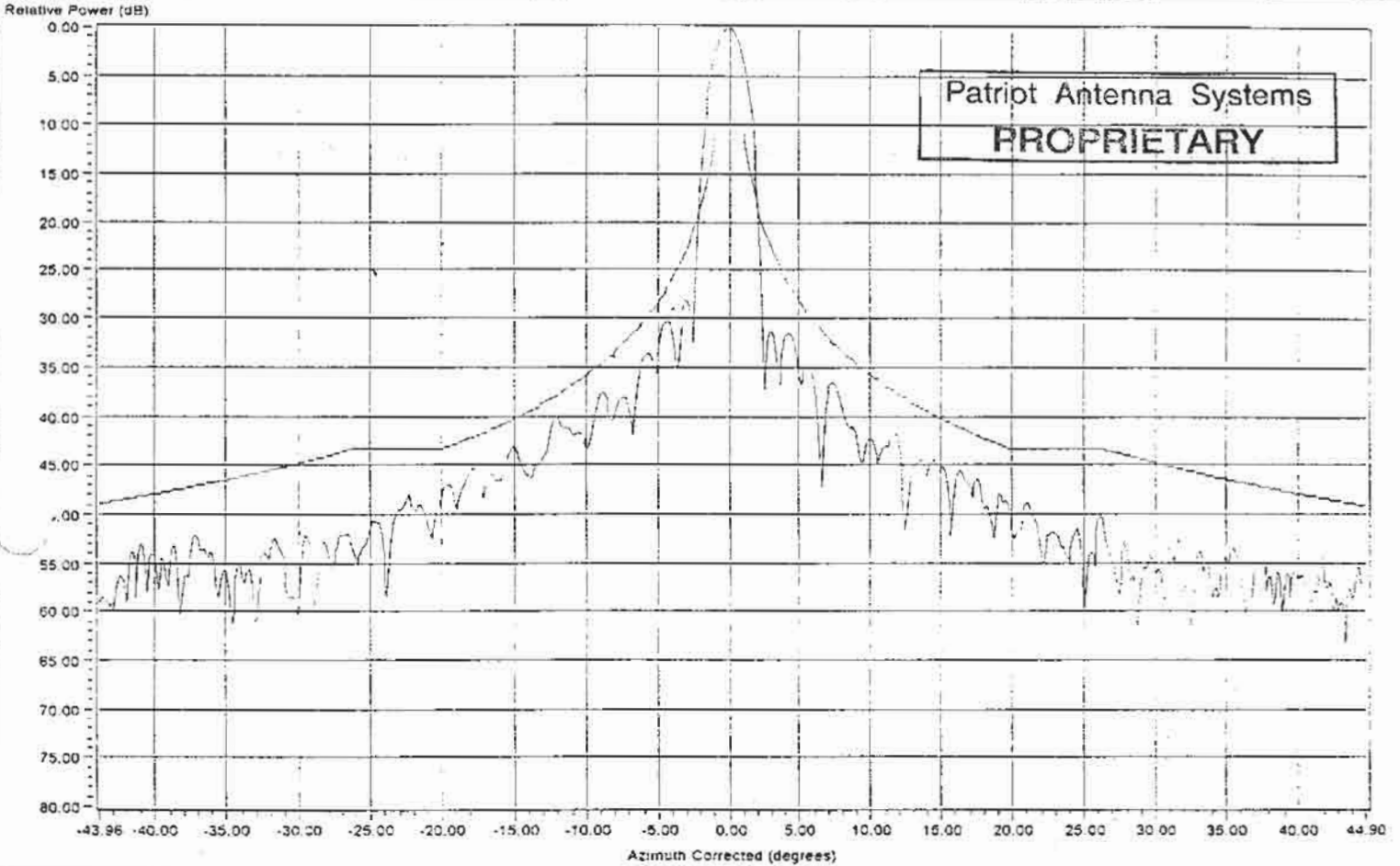
ANTENNA: 1.0m Ku #1

TEST ENGINEER: Todd Weaver

Copolarization Pattern and Applied Curve

Save pattern

Applied Curve: ITU 580-5



Pattern Information

Frequency Band: Receive
Polarization: VERTICAL
Beginning Angle: -45.00 degrees
Ending Angle: 45.01 degrees
Test Frequency: 10.9500 GHz

Antenna Information

Beam Center: Azimuth: 0.000 deg
Elevation: 12.000 deg
Specified Gain: 39.88 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
Video Bandwidth: 30.0000 Hz
Sweep Time: 95.0 sec
Reference Level: -30.36 dB
Center Frequency: 10.9500 GHz
Span: 0.0000 Hz

V :RSI Representative

Representative

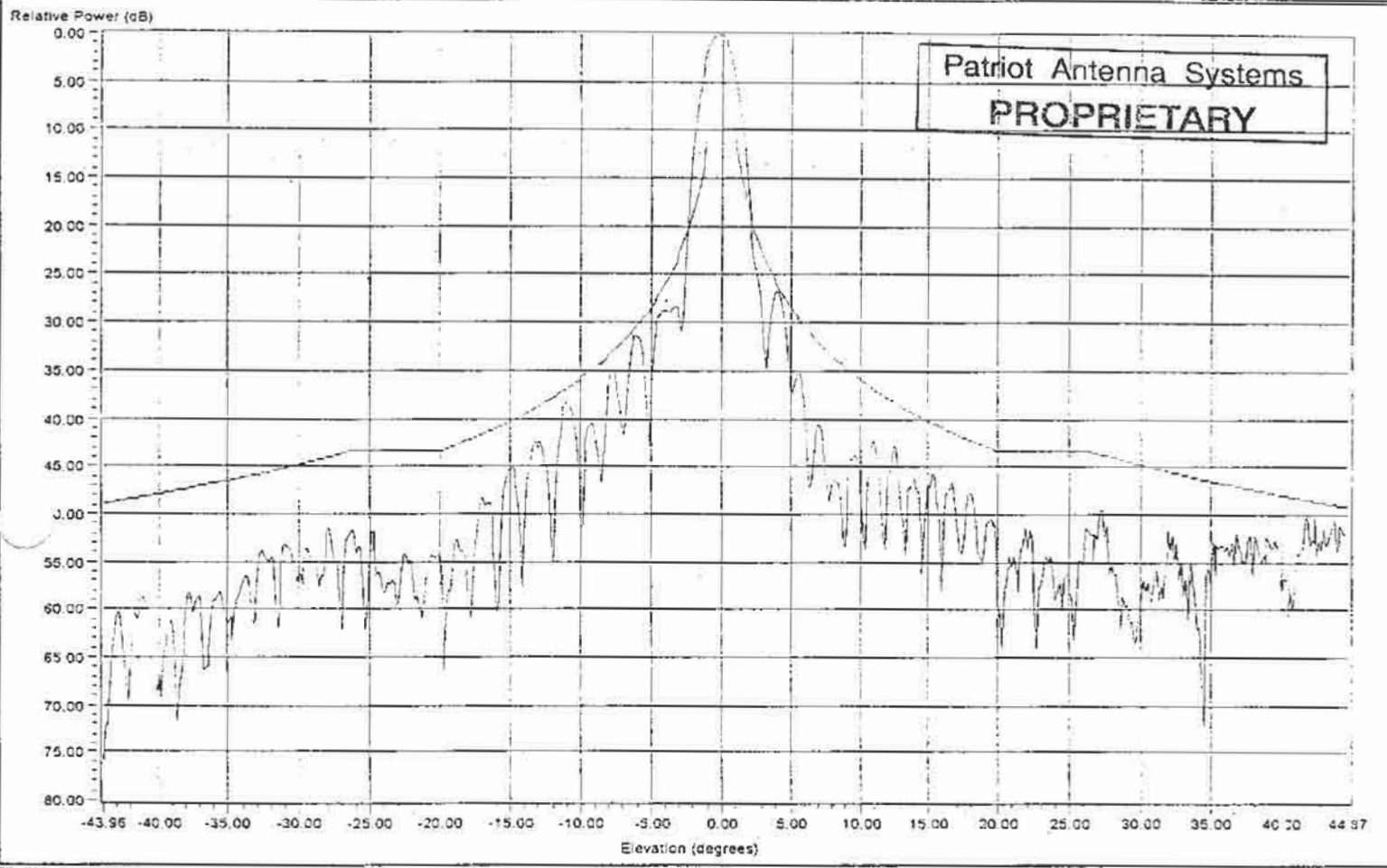
CUSTOMER: PATRIOT SATELLITE: Short Range
 E: VertexRSI Test Range TRANSPONDERS: N/A
 WEATHER: Clear JOB NUMBER: S4184
 ANTENNA: 1.0m Ku #1 TEST ENGINEER: Todd Weaver

Comments:

Copolarization Pattern and Applied Curve

Save pattern

Applied Curve:



Pattern Information	
Frequency Band:	Receive
Polarization:	VERTICAL
Beginning Angle:	-45.00 degrees
Ending Angle:	45.94 degrees
Test Frequency:	10.9500 GHz

Antenna Information	
Beam Center:	Azimuth: 0.000 deg
	Elevation: 12.000 deg
Specified Gain:	39.88 dB

Spectrum Analyzer Information	
Resolution Bandwidth:	30.0000 Hz
Video Bandwidth:	30.0000 Hz
Sweep Time:	95.0 sec
Reference Level:	-30.53 dB
Center Frequency:	10.9500 GHz
Span:	0.0000 Hz

xRSI Representative

Representative

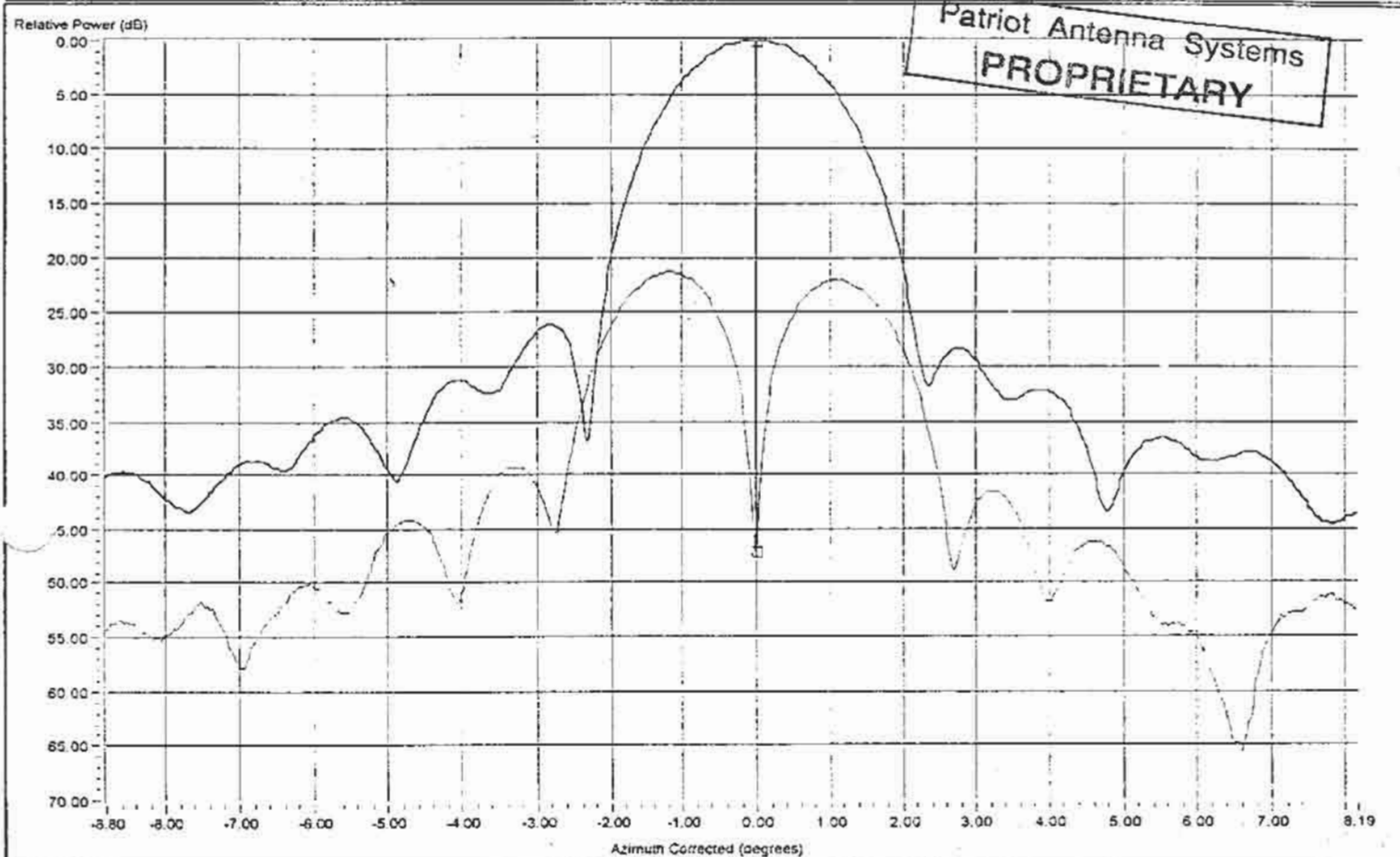
TOMER: PATRIOT SATELLITE: Short Range
 E: VertexRSI Test Range TRANSPONDERS: N/A
 WEATHER: Clear JOB NUMBER: S4184
 ANTENNA: 1.0m Ku #1 TEST ENGINEER: Todd Weaver

Comments:
 [Empty Box]

Cross Polarization Isolation and Applied Curve

Save pattern to file

Applied Curve: ITU 580-5



Pattern Information

Frequency Band: Receive
 Polarization: VERTICAL
 Beginning Angle: -8.80 degrees
 Ending Angle: 8.20 degrees
 Test Frequency: 11.7000 GHz

Copol Pattern [Graph]
 Cross Pol Pattern [Graph]
 Measured Cross Pol [Graph]
 Cross Polarization Isolation: 47.00 dB

Antenna Information

Beam Center: Azimuth: 0.00 deg
 Elevation: 12.00 deg
 Specified Gain: 40.45 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
 Video Bandwidth: 30.0000 Hz
 Sweep Time: 130.0 sec
 Reference Level: -31.36 dB
 Center Frequency: 11.7000 GHz
 Span: 0.0000 Hz

VertexRSI Representative
 [Signature Box]

Representative
 [Signature Box]

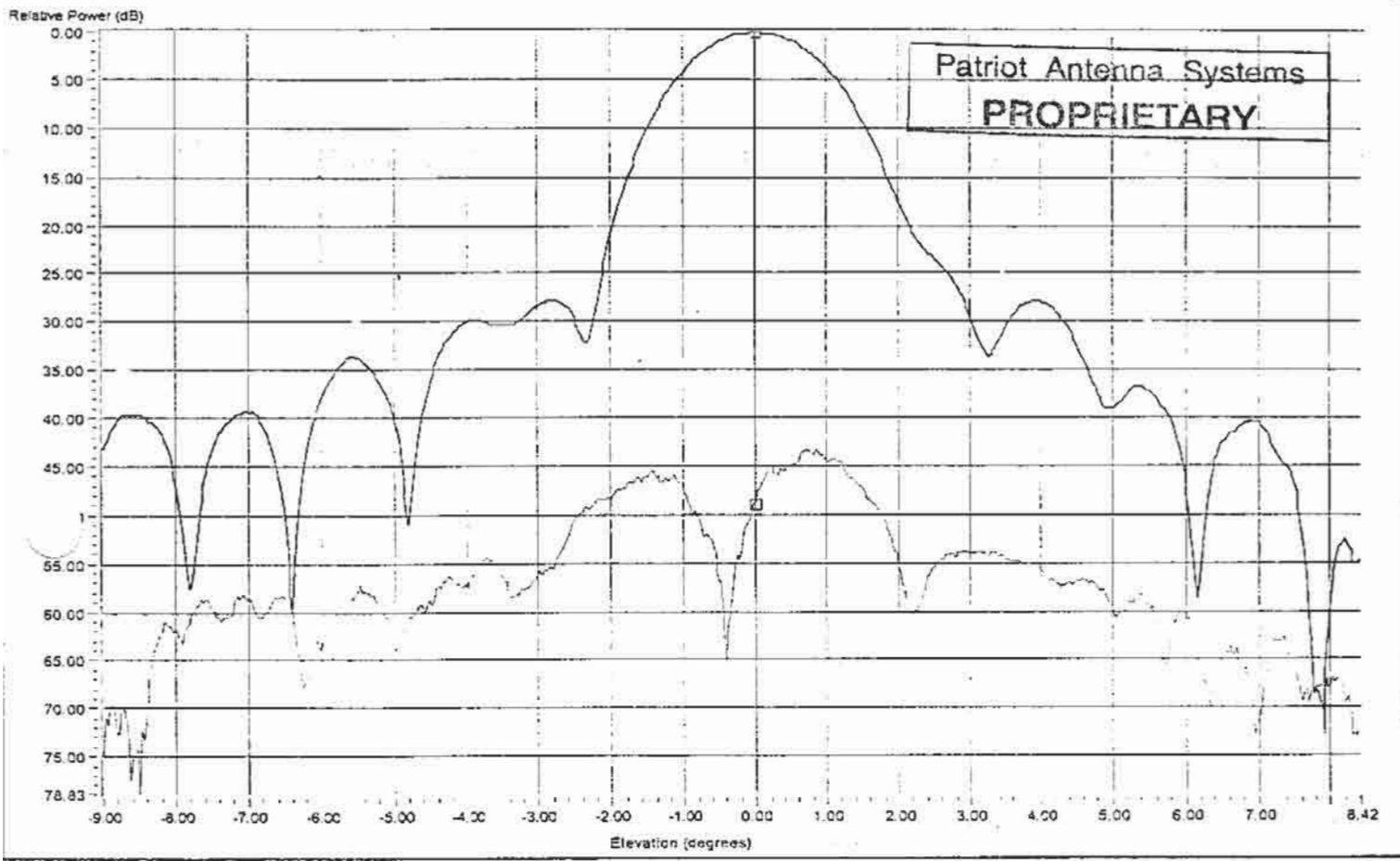
CUSTOMER: PATRIOT SATELLITE: Short Range
 S VertexRSI Test Range TRANSPONDERS: N/A
 WEATHER: Clear JOB NUMBER: S4184
 ANTENNA: 1.0m Ku #1 TEST ENGINEER: Todd Weaver



Comments:

Cross Polarization Isolation and Applied Curve

Save pattern to file

Applied Curve:



<p>Pattern Information</p> <p>Frequency Band: Receive Polarization: VERTICAL Beginning Angle: -9.00 degrees Ending Angle: 8.43 degrees Test Frequency: 11.7000 GHz</p>	<p>Copol Pattern</p> <p>Cross Pol Pattern </p> <p>Measured Cross Pol </p> <p>Cross Polarization Isolation: <input type="text" value="48.83 dB"/></p>	<p>Spectrum Analyzer Information</p> <p>Resolution Bandwidth: 30.0000 Hz Video Bandwidth: 30.0000 Hz Sweep Time: 135.0 sec Reference Level: -31.20 dB Center Frequency: 11.7000 GHz Span: 0.0000 Hz</p>
<p>Antenna Information</p> <p>Beam Center: Azimuth: 0.00 deg Elevation: 12.00 deg Specified Gain: 40.45 dB</p>		

VertexRSI Representative Representative

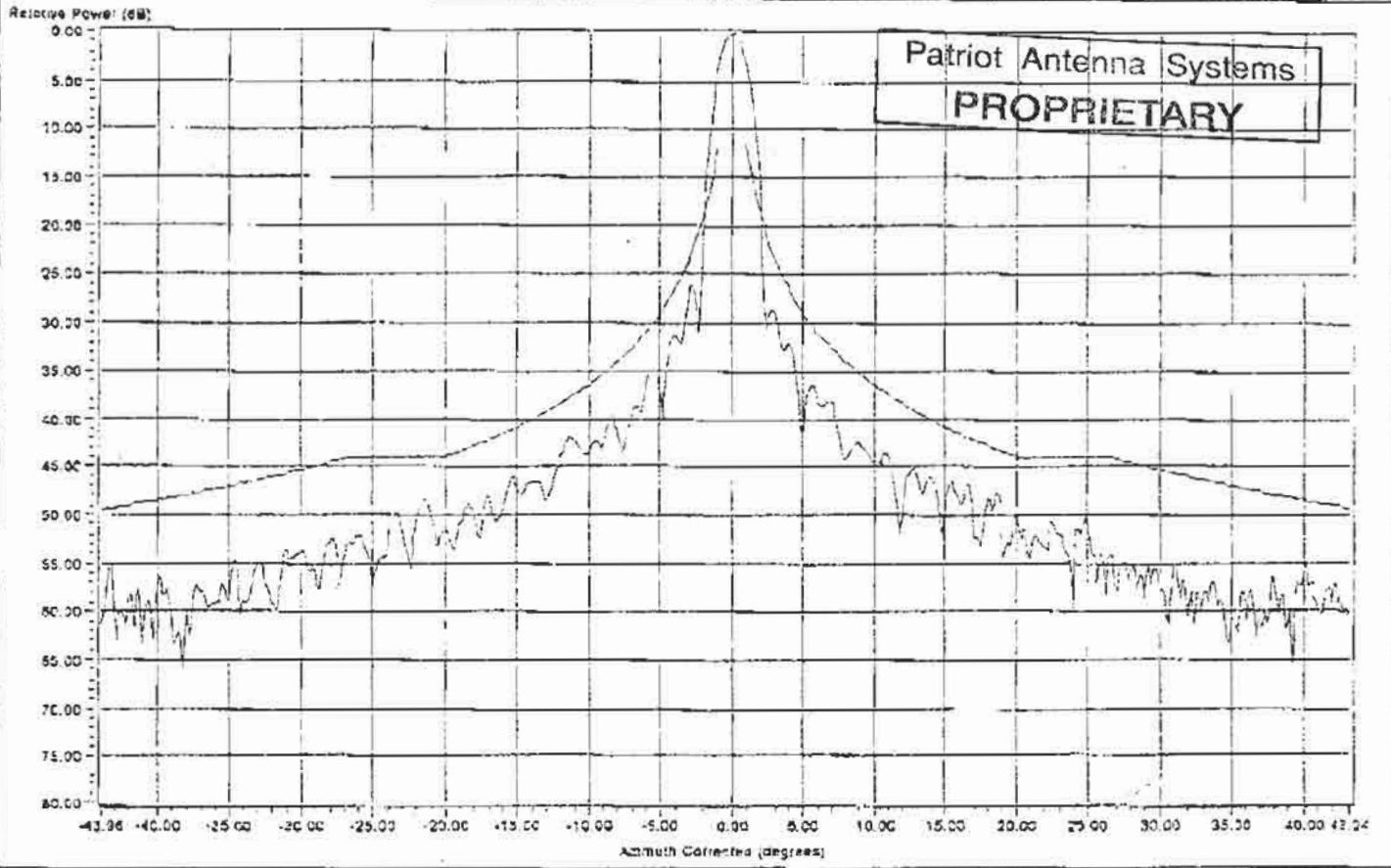
CUSTOMER: PATRIOT
 SITE: VertexRSI Test Range
 WEATHER: Clear
 ANTENNA: 1.0m Ku #1
 SATELLITE: Short Range
 TRANSPONDERS: N/A
 JOB NUMBER: S4194
 TEST ENGINEER: Todd Weaver

Comments:
 [Empty Box]

Generalization Pattern and Applied Curve

Save pattern

Applied Curve: ITU 580-5



Radio Information:

Frequency Band: Receive
 Polarization: VERTICAL
 Beginning Angle: -45.00 degrees
 Ending Angle: 44.40 degrees
 Test Frequency: 11.7000 GHz

Antenna Information:

Beam Center: Azimuth: 0.000 deg
 Elevation: 12.000 deg
 Specified Gain: 40.45 dB

Spectrum Analyzer Information:

Resolution Bandwidth: 30.000 Hz
 Video Bandwidth: 30.000 Hz
 Sweep Time: 95.0 sec
 Reference Level: -31.20 dB
 Center Frequency: 11.7000 GHz
 Span: 0.0000 Hz

VertexRSI Representative
 [Empty Box]

Representative
 [Empty Box]

ERIMU 1

Wednesday, October 24, 2000

10 AM Local Time

USER: PATRIOT
SITE: VertexRSI Test Range
WEATHER: Clear
ANTENNA: 1.0m Ku #1

SATELLITE: Short Range
TRANSPONDERS: N/A
JOB NUMBER: S4184
TEST ENGINEER: Todd Weaver

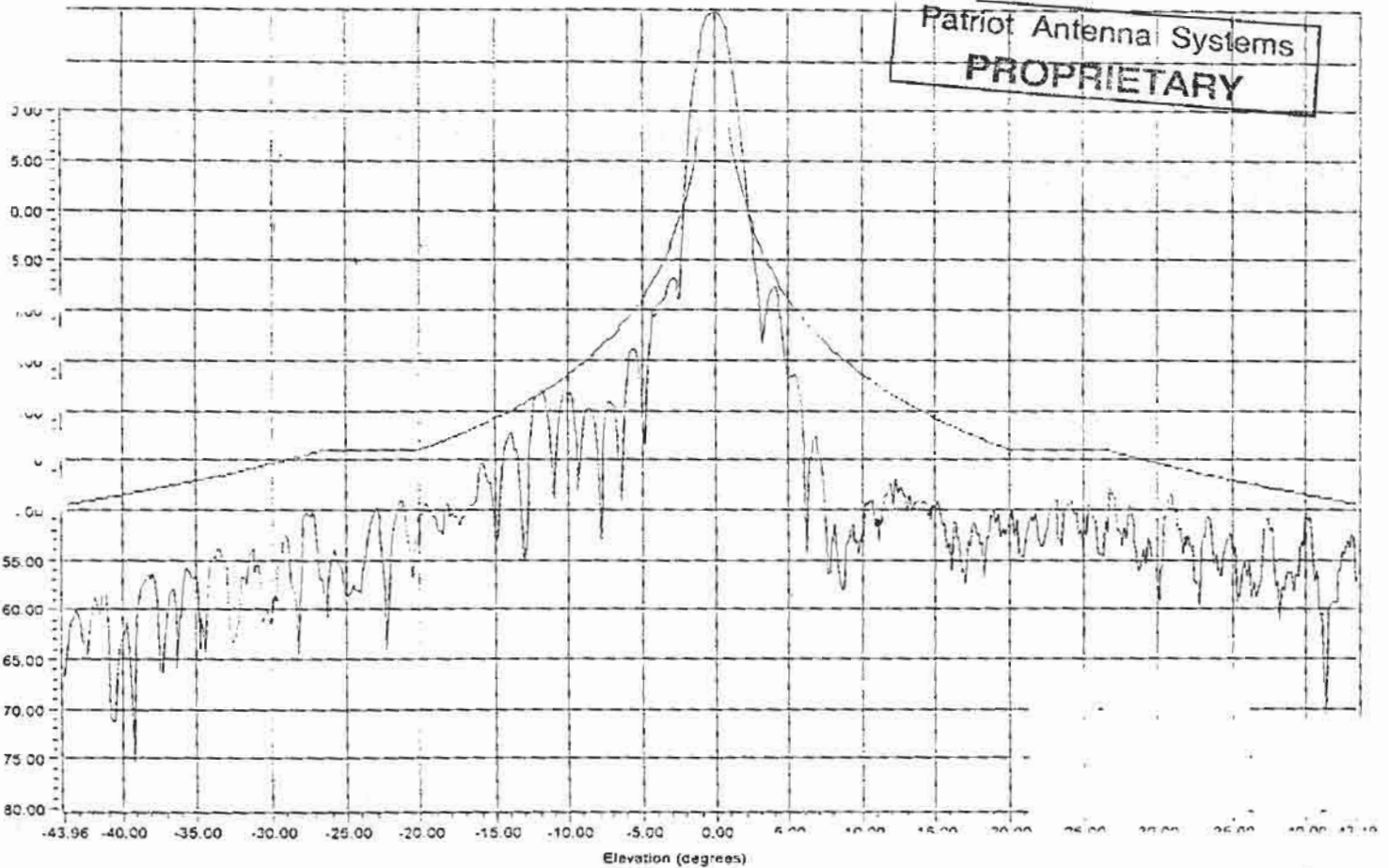
Comments:

Save pattern

Copolarization Pattern and Applied Curve

Applied Curve: ITU 580-5

Patriot Antenna Systems
PROPRIETARY



Pattern Information

Frequency Band: Receive
Polarization: VERTICAL
Beginning Angle: -45.00 degrees
Ending Angle: 44.63 degrees
Test Frequency: 11.7000 GHz

Antenna Information

Beam Center: Azimuth: 0.000 deg
Elevation: 12.000 deg
Specified Gain: 40.45 dB

Spectrum Analyzer Information

Resolution bandwidth: 30.0000 Hz
Video bandwidth: 30.0000 Hz
Sweep time: 95.0 sec
Reference Level: -31.53 dB
Center frequency: 11.7000 GHz
Span: 0.0000 Hz

VertexRSI Representative

Representative

COMER: PATRIOT
VertexRSI Test Range
WEATHER: Clear
ANTENNA: 1.0m Ku #1

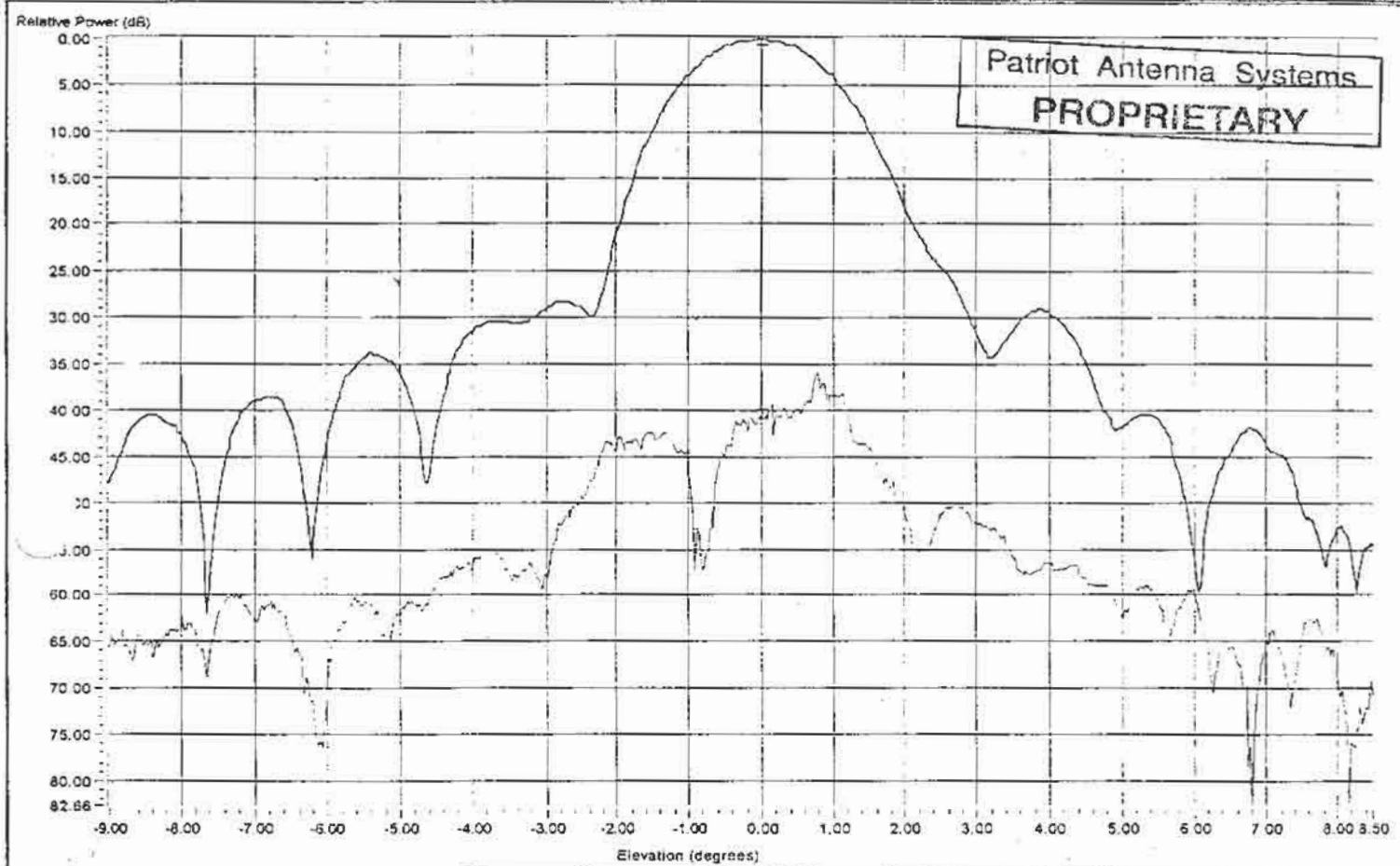
SATELLITE: Short Range
TRANSPONDERS: N/A
JOB NUMBER: S4184
TEST ENGINEER: Todd Weaver

Comments:

Cross Polarization Isolation and Applied Curve

Save pattern to file



Applied Curve: ITU 580-5



Pattern Information

Frequency Band: Receive
Polarization: VERTICAL
Beginning Angle: -9.00 degrees
Ending Angle: 8.53 degrees
Test Frequency: 11.9500 GHz

Copol Pattern

Cross Pol Pattern 
Measured Cross Pol 
Cross Polarization Isolation: 40.33 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
Video Bandwidth: 30.0000 Hz
Sweep Time: 135.0 sec
Reference Level: -27.60 dB
Center Frequency: 11.9500 GHz
Span: 0.0000 Hz

Antenna Information

Beam Center: Azimuth: 0.00 deg
Elevation: 12.00 deg
Specified Gain: 40.53 dB

VertexRSI Representative

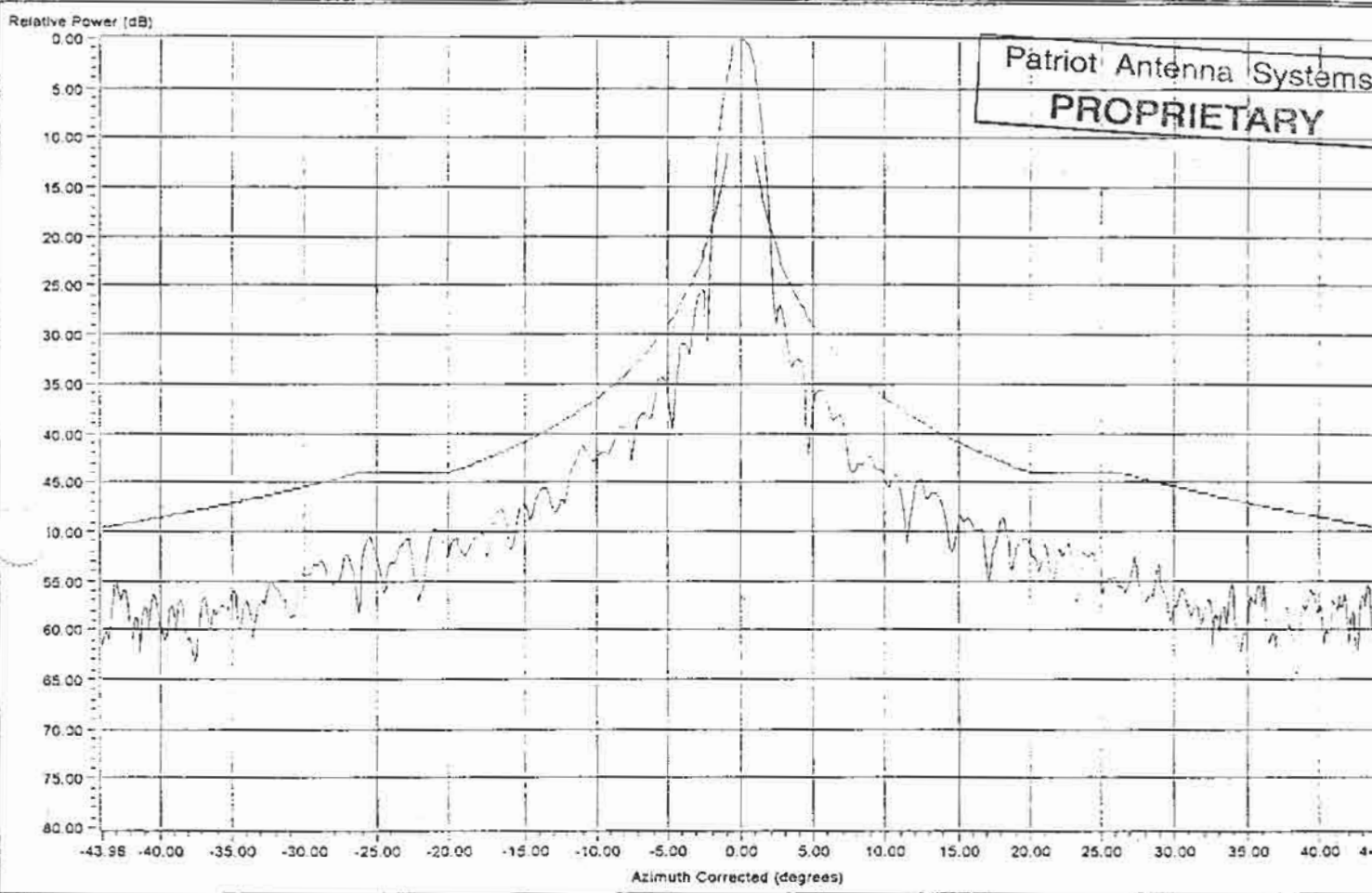
Representative

MODEM:	PATRIOT	SATELLITE:	Short Range
E:	VertexRSI Test Range	TRANSPONDERS:	N/A
WEATHER:	Clear	JOB NUMBER:	S4184
ANTENNA:	1.0m Ku #1	TEST ENGINEER:	Todd Weaver

Comments:

Copolarization Pattern and Applied Curve
Applied Curve: ITU 580-5

Save pattern



Pattern Information	
Frequency Band:	Receive
Polarization:	VERTICAL
Beginning Angle:	-45.00 degrees
Ending Angle:	45.28 degrees
Test Frequency:	11.9500 GHz

Antenna Information	
Beam Center:	Azimuth: 0.000 deg
	Elevation: 12.000 deg
Specified Gain:	40.53 dB

Spectrum Analyzer Information	
Resolution Bandwidth:	30.0000 Hz
Video Bandwidth:	30.0000 Hz
Sweep Time:	95.0 sec
Reference Level:	-27.93 dB
Center Frequency:	11.9500 GHz
Span:	0.0000 Hz

xRSI Representative

Representative

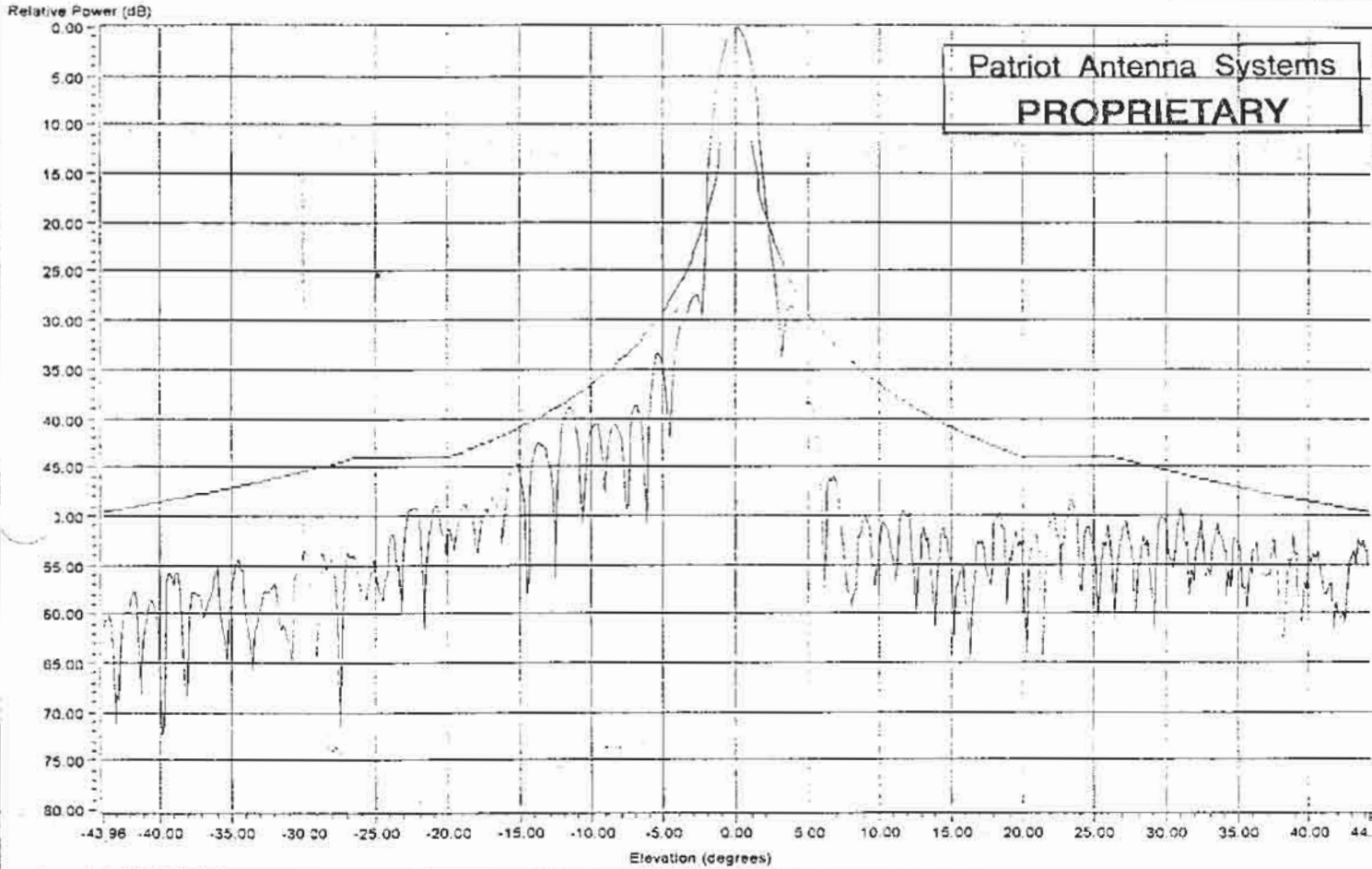
TOMER:	PATRIOT	SATELLITE:	Short Range
	VertexRSI Test Range	TRANSPONDERS:	N/A
WEATHER:	Clear	JOB NUMBER:	S4184
ANTENNA:	1.0m Ku #1	TEST ENGINEER:	Todd Weaver

Comments:

Copolarization Pattern and Applied Curve

Applied Curve: ITU 580-5

Save pattern



Pattern Information

Frequency Band: Receive
Polarization: VERTICAL
Beginning Angle: -45.00 degrees
Ending Angle: 45.41 degrees
Test Frequency: 11.9500 GHz

Antenna Information

Beam Center: Azimuth: 0.000 deg
Elevation: 12.000 deg
Specified Gain: 40.53 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
Video Bandwidth: 30.0000 Hz
Sweep Time: 95.0 sec
Reference Level: -27.44 dB
Center Frequency: 11.9500 GHz
Span: 0.0000 Hz

xRSI Representative

Representative

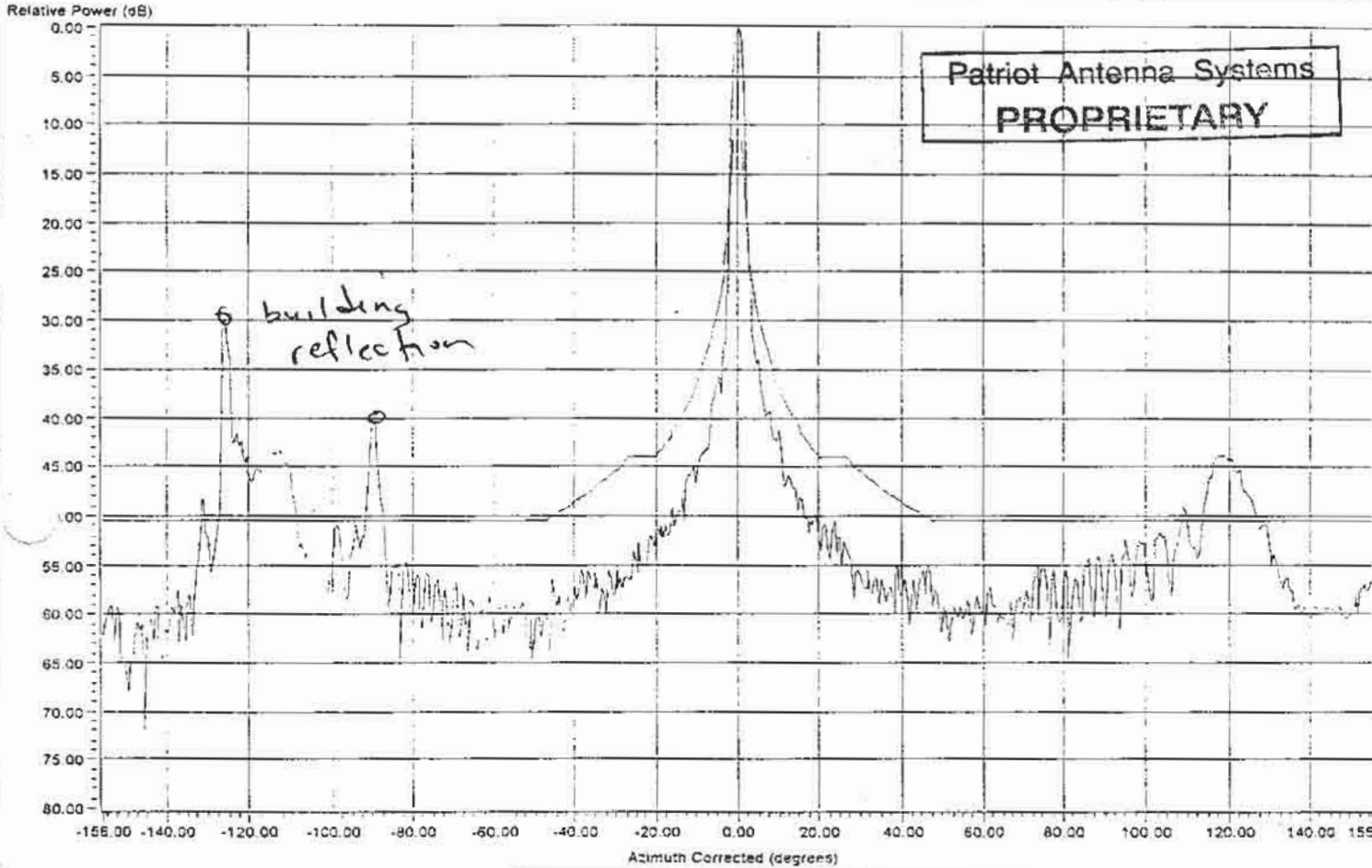
TOMER:	PATRIOT	SATELLITE:	Short Range
	VertexRSI Test Range	TRANSPONDERS:	N/A
WEATHER:	Clear	JOB NUMBER:	S4184
ANTENNA:	1.0m Ku #1	TEST ENGINEER:	Todd Weaver

Comments:

Copolarization Pattern and Applied Curve

Save pattern

Applied Curve: ITU 580-5



Pattern Information

Frequency Band: Receive
Polarization: VERTICAL
Beginning Angle: -180.00 degrees
Ending Angle: 178.12 degrees
Test Frequency: 11.9500 GHz

Antenna Information

Beam Center Azimuth: 0.000 deg
Elevation: 12.000 deg
Specified Gain: 40.53 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
Video Bandwidth: 30.0000 Hz
Sweep Time: 370.0 sec
Reference Level: -27.76 dB
Center Frequency: 11.9500 GHz
Span: 0.0000 Hz

xRSI Representative

Representative

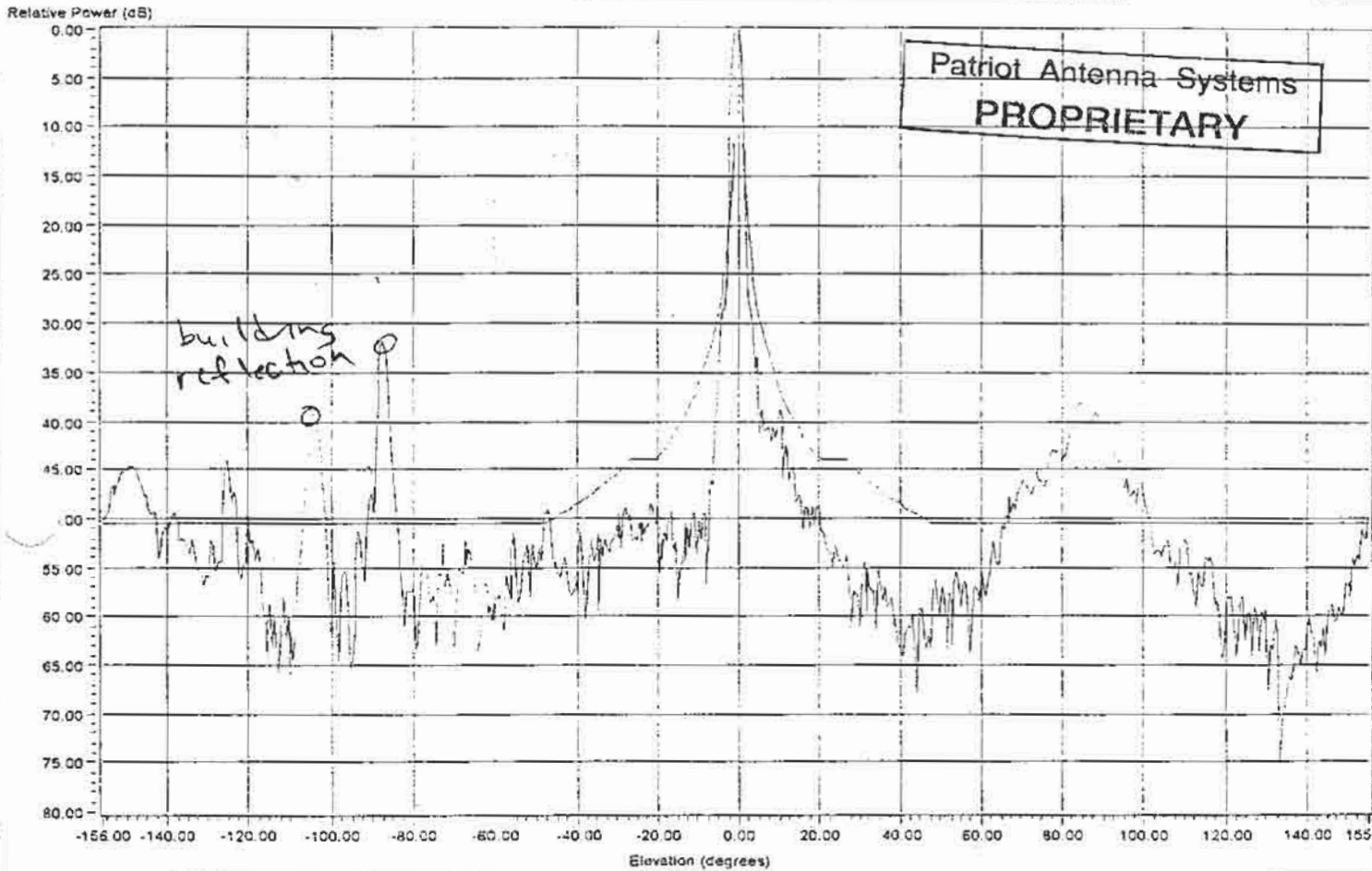
TOMER: PATRIOT	SATELLITE: Short Range
VertexRSI Test Range	TRANSPONDERS: N/A
WEATHER: Clear	JOB NUMBER: S4184
ANTENNA: 1.0m Ku #1	TEST ENGINEER: Todd Weaver

Comments:

Copolarization Pattern and Applied Curve

Save pattern

Applied Curve: ITU 580-5



Pattern Information

Frequency Band: Receive
Polarization: VERTICAL
Beginning Angle: -180.00 degrees
Ending Angle: 177.04 degrees
Test Frequency: 11.9500 GHz

Antenna Information

Beam Center: Azimuth: 0.000 deg
Elevation: 12.000 deg
Specified Gain: 40.53 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
Video Bandwidth: 30.0000 Hz
Sweep Time: 370.0 sec
Reference Level: -27.80 dB
Center Frequency: 11.9500 GHz
Span: 0.0000 Hz

VeriTex RSI Representative

Representative

C OMER: PATRIOT SATELLITE: Short Range
VertexRSI Test Range TRANSPONDERS: N/A
WEATHER: Clear JOB NUMBER: S4184
ANTENNA: 1.0m Ku #1 TEST ENGINEER: Todd Weaver

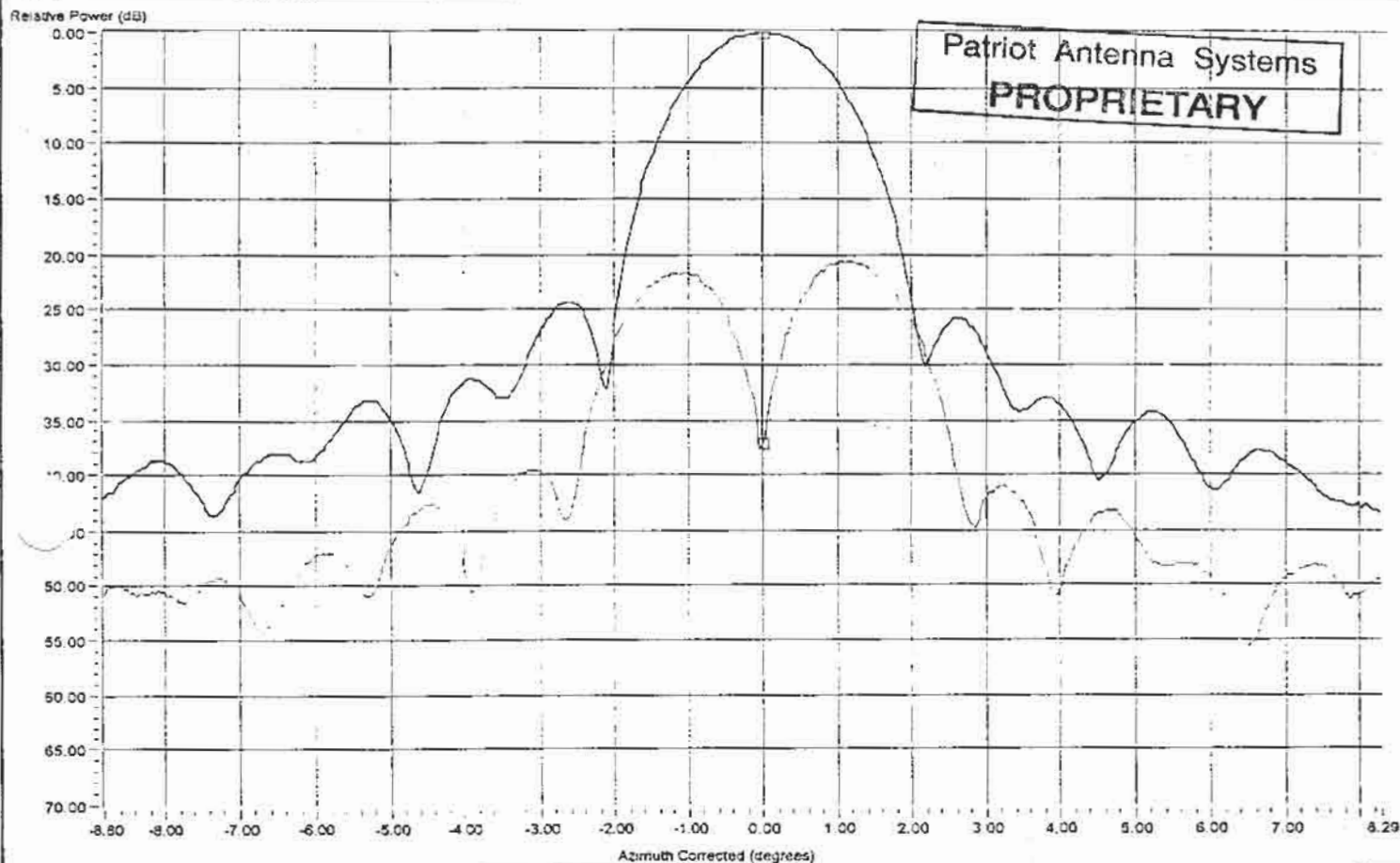
Comments:

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Cross Polarization Isolation and Applied Curve

Save pattern to file

Applied Curve: ITU 580-5

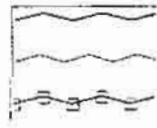


Pattern Information

Frequency Band: Receive
Polarization: VERTICAL
Beginning Angle: -8.80 degrees
Ending Angle: 8.29 degrees
Test Frequency: 12.2500 GHz

Copol Pattern

Cross Pol Pattern
Measured Cross Pol



Cross Polarization Isolation: 37.17 dB

Antenna Information

Beam Center: Azimuth: 0.00 deg
Elevation: 12.00 deg
Specified Gain: 40.69 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
Video Bandwidth: 30.0000 Hz
Sweep Time: 130.0 sec
Reference Level: -29.76 dB
Center Frequency: 12.2500 GHz
Span: 0.0000 Hz

VertexRSI Representative

Representative

[Signature box for VertexRSI Representative]

[Signature box for Representative]

C OMER: PATRIOT SATELLITE: Short Range
 S VertexRSI Test Range TRANSPONDERS: N/A
 WEATHER: Clear JOB NUMBER: S4184
 ANTENNA: 1.0m Ku #1 TEST ENGINEER: Todd Weaver

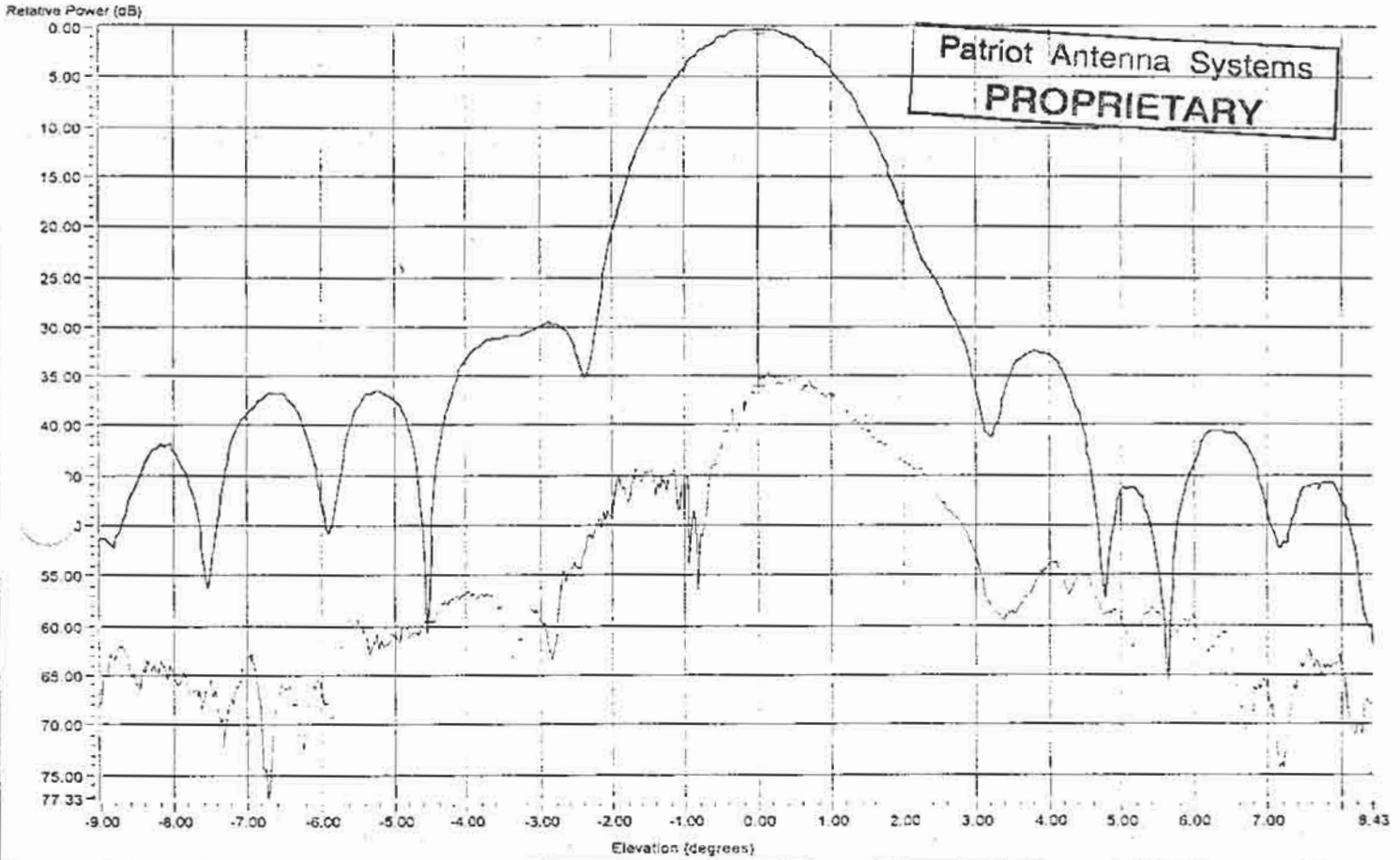
Comments

Cross Polarization Isolation and Applied Curve

Applied Curve: ITU 580-5

Save pattern to file

Print



Pattern Information

Frequency Band: Receive
 Polarization: VERTICAL
 Beginning Angle: -9.00 degrees
 Ending Angle: 8.45 degrees
 Test Frequency: 12.2500 GHz

Copol Pattern

Cross Pol Pattern
 Measured Cross Pol
 Cross Polarization Isolation: 35.33 dB



Antenna Information

Beam Center: Azimuth: 0.00 deg
 Elevation: 12.00 deg
 Specified Gain: 40.69 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
 Video Bandwidth: 30.0000 Hz
 Sweep Time: 135.0 sec
 Reference Level: -29.27 dB
 Center Frequency: 12.2500 GHz
 Span: 0.0000 Hz

VertexRSI Representative

Representative

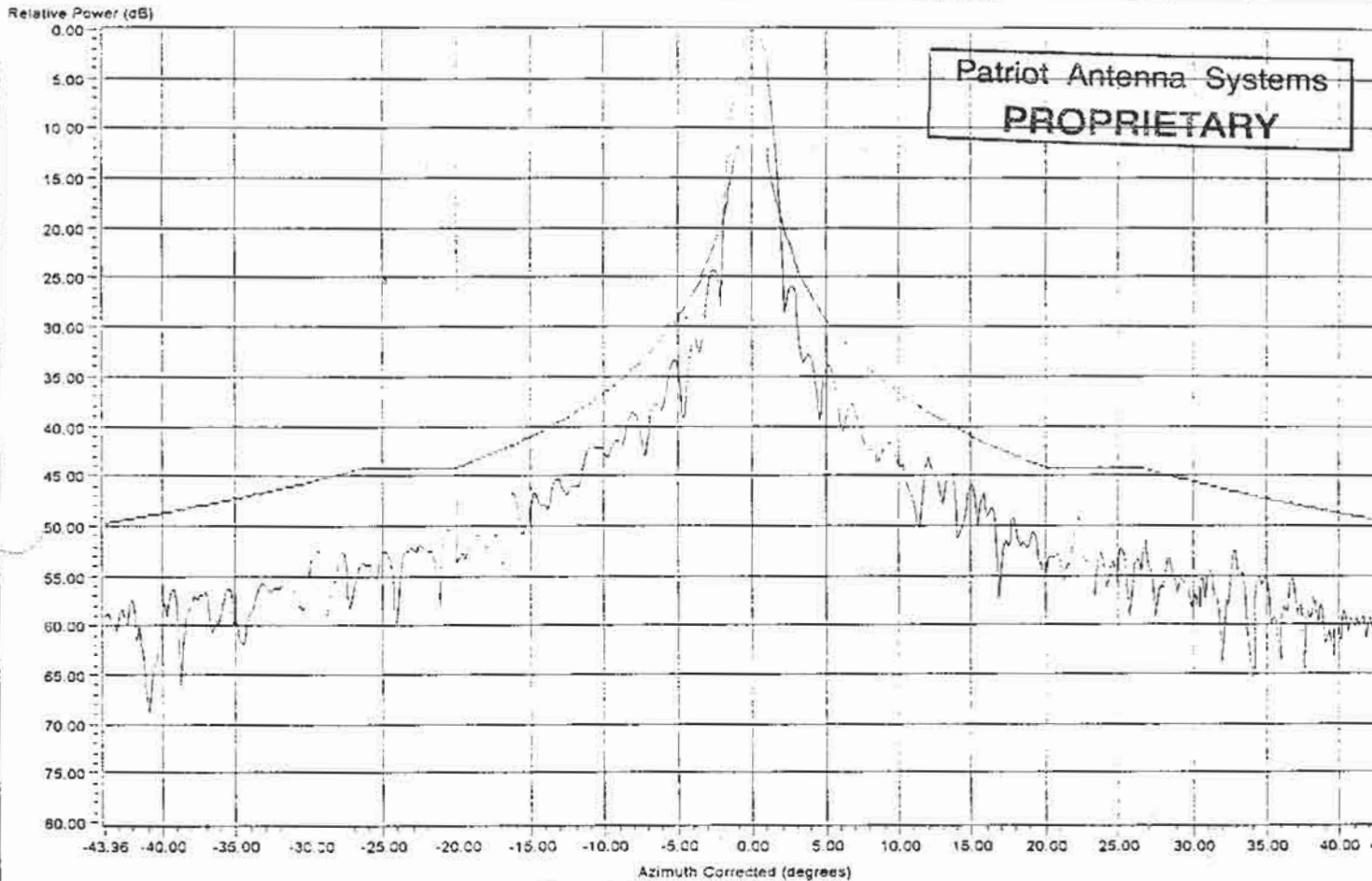
CUSTOMER: PATRIOT SATELLITE: Short Range
 E: VertexRSI Test Range TRANSPONDERS: N/A
 WEATHER: Clear JOB NUMBER: S4184
 ANTENNA: 1.0m Ku #1 TEST ENGINEER: Todd Weaver

Comments:

Copolarization Pattern and Applied Curve

Save pattern

Applied Curve: ITU 580-5



Pattern Information

Frequency Band: Receive
 Polarization: VERTICAL
 Beginning Angle: -45.00 degrees
 Ending Angle: 44.53 degrees
 Test Frequency: 12.2500 GHz

Antenna Information

Beam Center: Azimuth: 0.000 deg
 Elevation: 12.000 deg
 Specified Gain: 40.69 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
 Video Bandwidth: 30.0000 Hz
 Sweep Time: 95.0 sec
 Reference Level: -29.76 dB
 Center Frequency: 12.2500 GHz
 Span: 0.0000 Hz

VertexRSI Representative

Representative

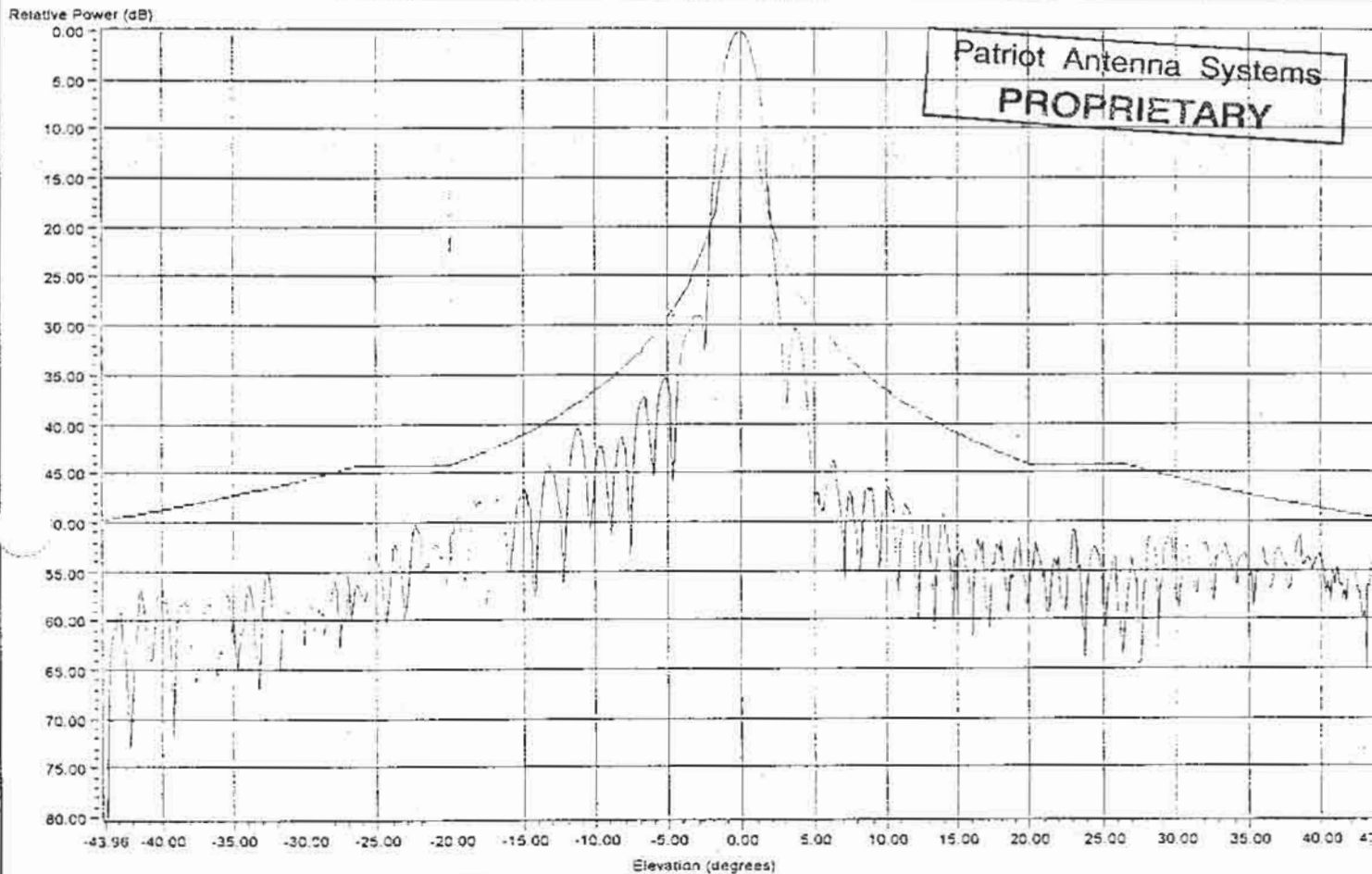
CUSTOMER: PATRIOT
SATELLITE: Short Range
E. VertexRSI Test Range
TRANSPONDERS: N/A
WEATHER: Clear
JOB NUMBER: S4184
ANTENNA: 1.0m Ku #1
TEST ENGINEER: Todd Weaver

Comments:

Copolarization Pattern and Applied Curve

Save pattern

Applied Curve: ITU 580-5



Pattern Information

Frequency Band: Receive
Polarization: VERTICAL
Beginning Angle: -45.00 degrees
Ending Angle: 45.02 degrees
Test Frequency: 12.2500 GHz

Antenna Information

Beam Center: Azimuth: 0.000 deg
 Elevation: 12.000 deg
Specified Gain: 40.63 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
Video Bandwidth: 30.0000 Hz
Sweep Time: 95.0 sec
Reference Level: -29.27 dB
Center Frequency: 12.2500 GHz
Span: 0.0000 Hz

VertexRSI Representative

Representative

[] []

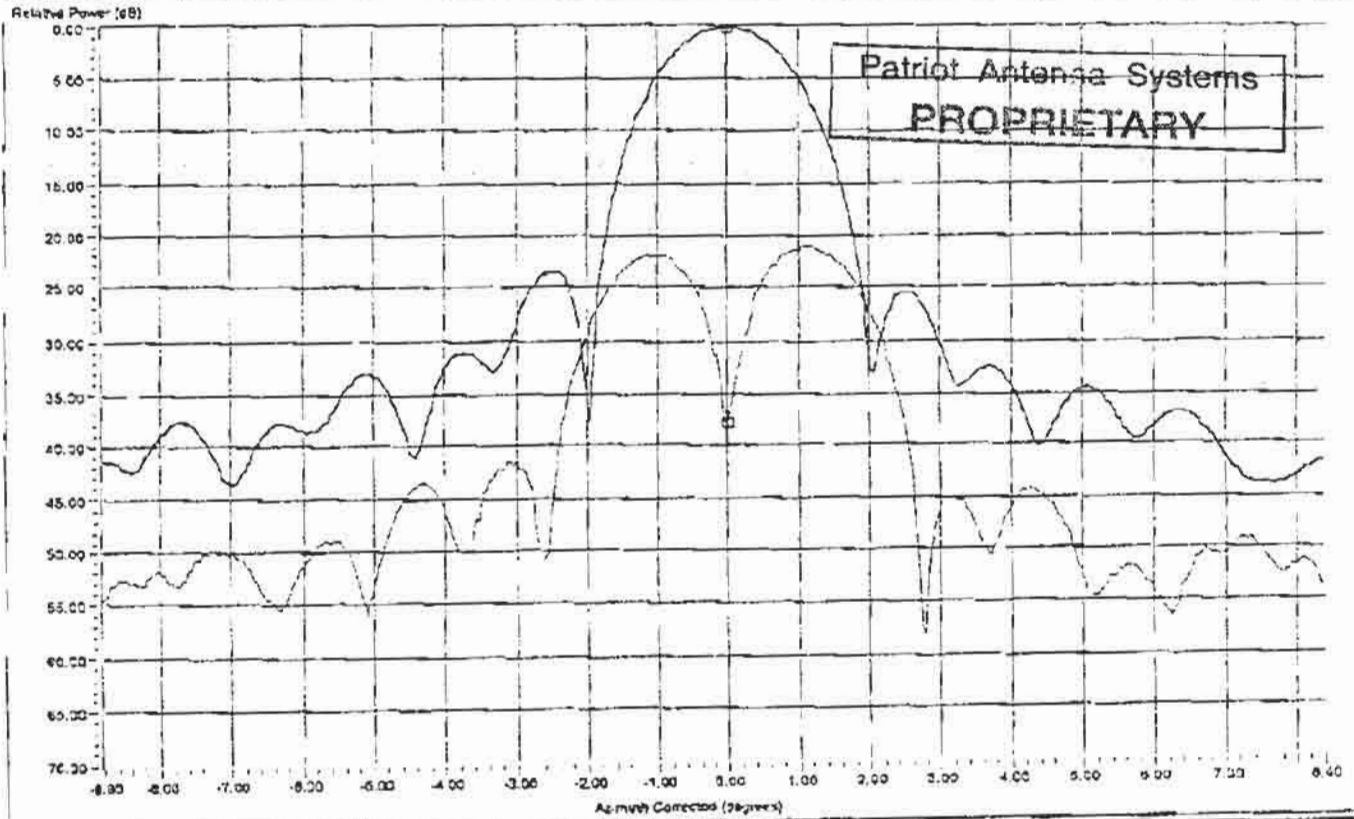
CUSTOMER: PATRIOT SATELLITE: Short Range
 SITE: VertexRSI Test Range TRANSPONDERS: N/A
 WEATHER: Clear JOB NUMBER: S4184
 ANTENNA: 1.0m Ku #1 TEST ENGINEER: Todd Weaver

Comments:

Cross Polarization Isolation and Applied Curve

Save pattern to file

Applied Curve: ITU 580-5



<p>Pattern Information</p> <p>Frequency Band: Receive</p> <p>Polarization: VERTICAL</p> <p>Beginning Angle: -8.30 degrees</p> <p>Ending Angle: 8.40 degrees</p> <p>Test Frequency: 12.7500 GHz</p>		<p>Copol Pattern</p> <p>Cross Pol Pattern: </p> <p>Measured Cross Pol: </p> <p>Gross Polarization Isolation: 37.83 dB</p>		<p>Spectrum Analyzer Information</p> <p>Resolution Bandwidth: 30.0000 Hz</p> <p>Video Bandwidth: 30.0000 Hz</p> <p>Sweep Time: 130.0 sec</p> <p>Reference Level: -32.47 dB</p> <p>Center Frequency: 12.7500 GHz</p> <p>Span: 0.0000 Hz</p>	
		<p>Antenna Information</p> <p>Beam Center: Azimuth: 0.00 deg</p> <p>Elevation: 12.00 deg</p> <p>Specified Gain: 41.02 dB</p>			

VertexRSI Representative

Representative

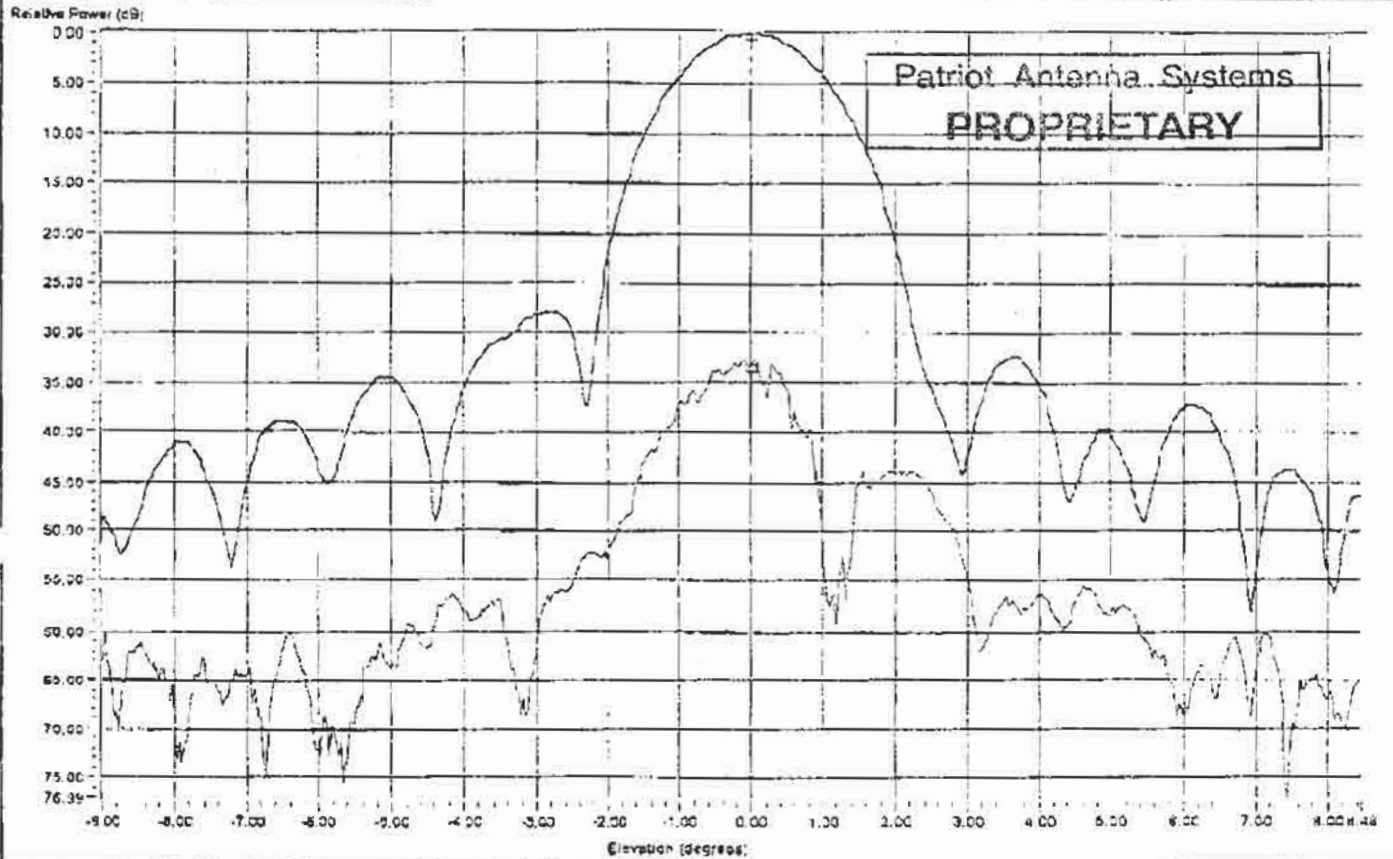
CUSTOMER: PATRIOT SATELLITE: Short Range
 SITE: VertexRSI Test Range TRANSPONDERS: N/A
 WEATHER: Clear JOB NUMBER: S4154
 ANTENNA: 1.0m Ku #1 TEST ENGINEER: Todd Weaver

Comments:

Cross Polarization Isolation and Applied Curve:

Applied Curve: ITU 530-5

Save pattern to file



<p>Port Information</p> <p>Frequency Band: Receive Polarization: VERTICAL Beginning Angle: -9.00 degrees Ending Angle: 3.48 degrees Test Frequency: 12.7500 GHz</p>	<p>Copol Pattern</p> <p>Cross Pol Pattern</p> <p>Measured Cross Pol</p> <p>Cross Polarization Isolation: 33.18 dB</p> <p>Antenna Information</p> <p>Beam Center Azimuth: 0.00 deg Elevation: 12.00 deg</p> <p>Specified Gain: <1.02 dB</p>	<p>System Analyzer Information</p> <p>Resolution Bandwidth: 30.0000 Hz Video Bandwidth: 30.0000 Hz Sweep Time: 135.0 sec Reference Level: -32.47 dB Center Frequency: 12.7500 GHz Span: 0.0000 Hz</p>
--	--	---

VertexRSI Representative

Representative

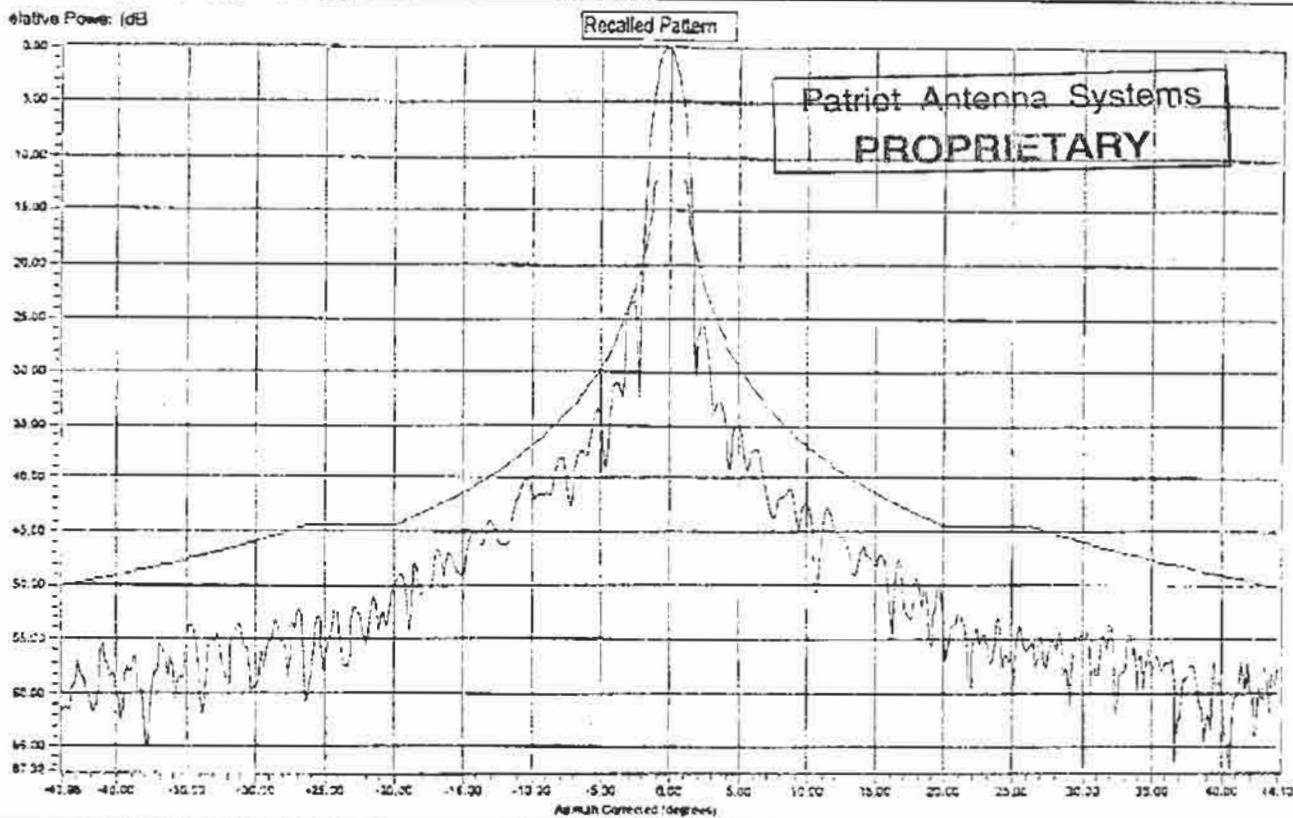


CUSTOMER: PATRIOT SATELLITE: Short Range
 SITE: VertexRSI Test Range TRANSPONDER: N/A
 ANTENNA: Clear JOB NUMBER: Todd Weaver
 WEATHER: 1.0m Ku #1 TEST ENGINEER: S4184

Comments:

Empty text box for comments

Applied Curve:



Pattern Information		Antenna Information		Spectrum Analyzer Information	
Frequency Band:	Receive	Beam Center:	Azimuth: 0.00	Resolution Bandwidth:	30.0000 Hz
Polarization:	VERTICAL		Elevation: 12.00	Center Frequency:	12.7500 GHz
Beginning Angle:	-45.00 degrees	Specified Gain:	41.02 dB	Video Bandwidth:	30.0000 Hz
Ending Angle:	45.28 degrees			Reference Level:	-32.64 dB
Test Frequency:	12.7500 GHz			Sweep Time:	95.0 sec

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

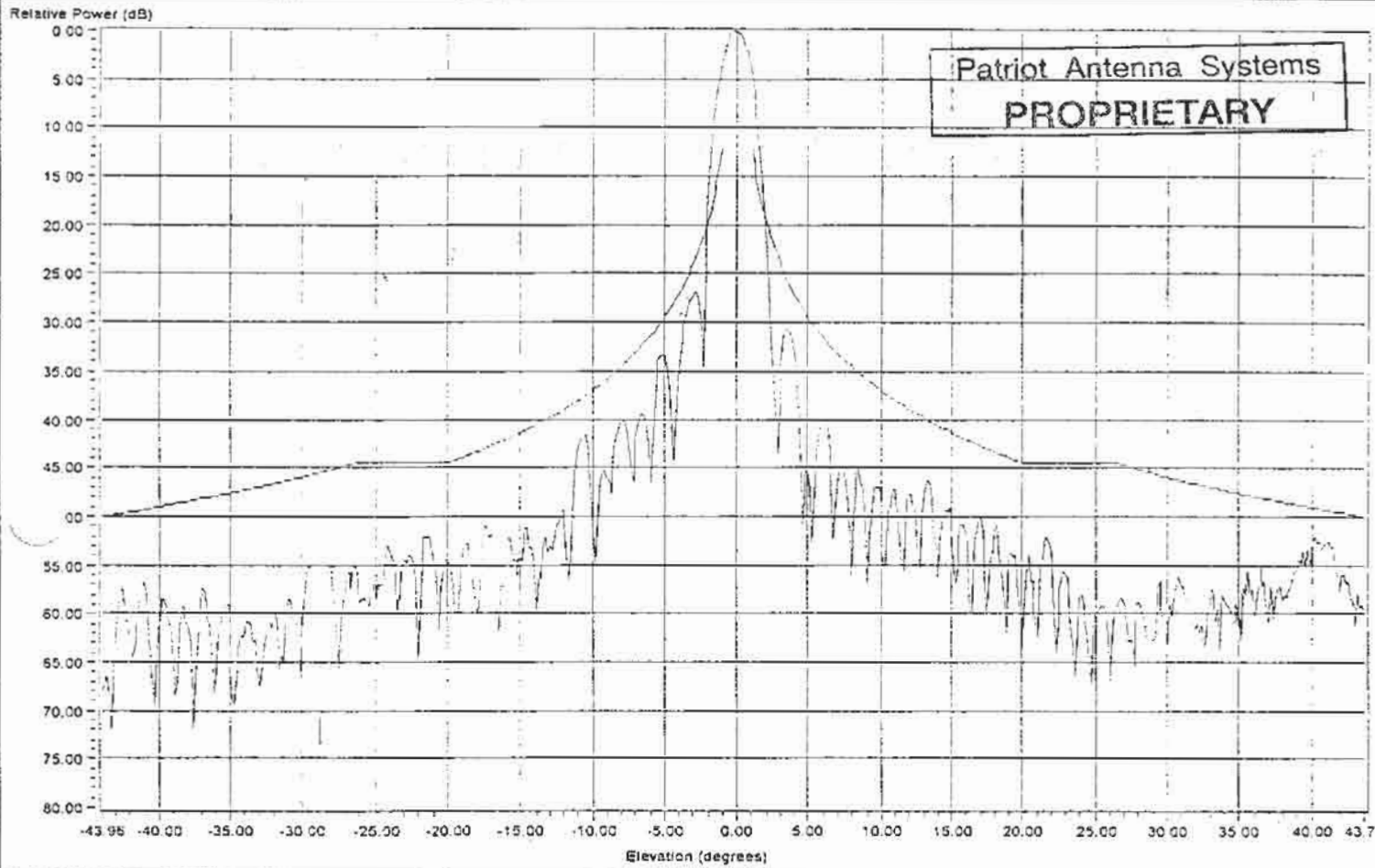
TOMER: PATRIOT
 VertexRSI Test Range
 WEATHER: Clear
 ANTENNA: 1.0m Ku #1
 SATELLITE: Short Range
 TRANSPONDERS: N/A
 JOB NUMBER: S4184
 TEST ENGINEER: Todd Weaver

Comments:

Depolarization Pattern and Applied Curve:

Save pattern

Applied Curve:



Pattern Information

Frequency Band: Receive
 Polarization: VERTICAL
 Beginning Angle: -45.00 degrees
 Ending Angle: 44.84 degrees
 Test Frequency: 12.7500 GHz

Antenna Information

Beam Center: Azimuth: 0.000 deg
 Elevation: 12.000 deg
 Specified Gain: 41.02 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
 Video Bandwidth: 30.0000 Hz
 Sweep Time: 95.0 sec
 Reference Level: -32.80 dB
 Center Frequency: 12.7500 GHz
 Span: 0.0000 Hz

:RSI Representative

Representative

CUSTOMER: PATRIOT
VertexRSI Test Range

WEATHER: Clear

ANTENNA: 1.0m Ku #1

SATELLITE: Short Range

TRANSPONDERS: N/A

JOB NUMBER: S4184

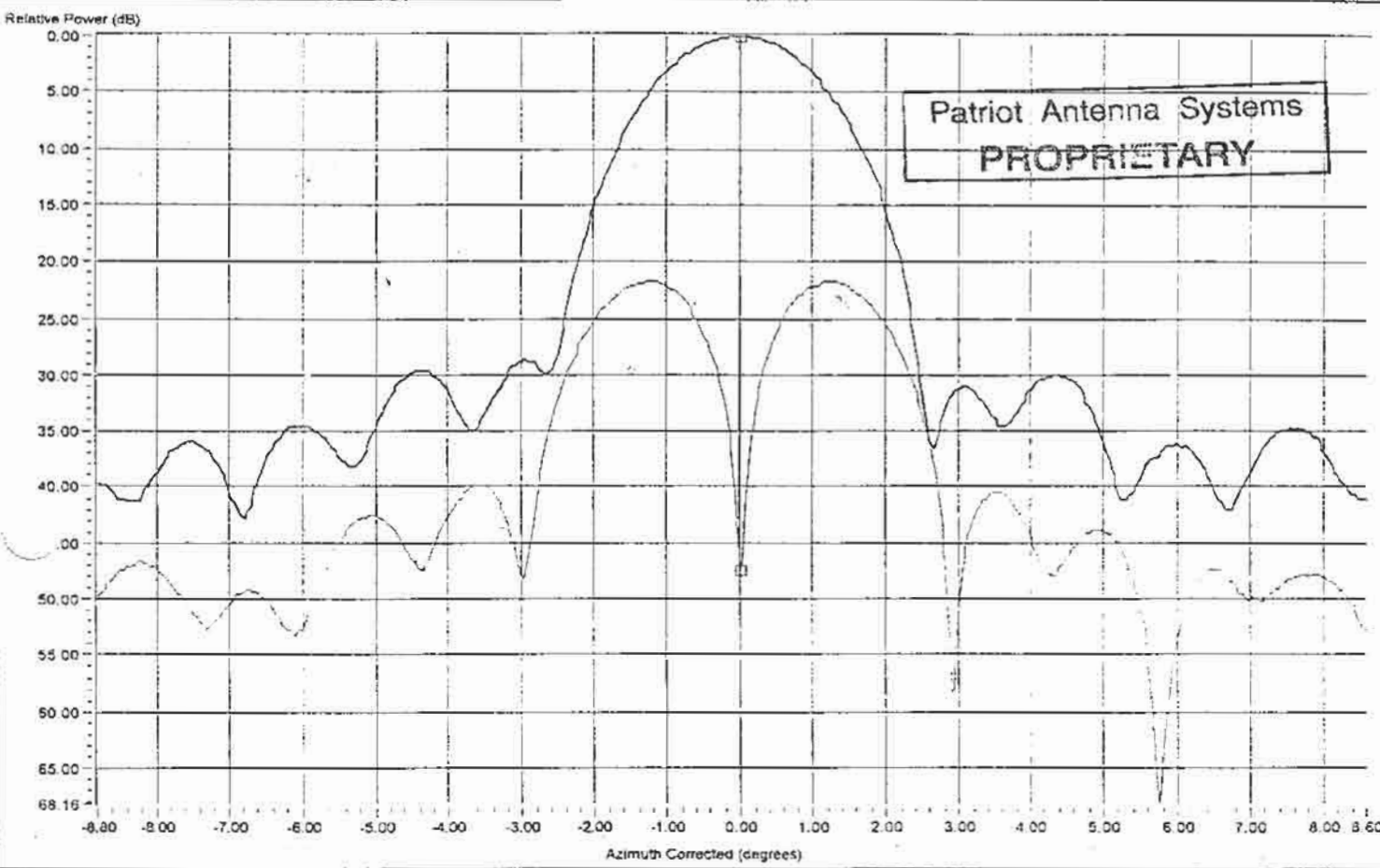
TEST ENGINEER: Todd Weaver

Comments:

Cross Polarization Isolation and Applied Curve

Save pattern to file

Applied Curve:



Pattern Information

Frequency Band: Receive

Polarization: HORIZONTAL

Beginning Angle: -8.80 degrees

Ending Angle: 8.63 degrees

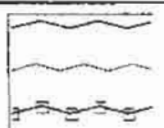
Test Frequency: 10.7000 GHz

Copol Pattern

Cross Pol Pattern

Measured Cross Pol

Cross Polarization Isolation:



Antenna Information

Beam Center: Azimuth: 0.00 deg
Elevation: 12.00 deg

Specified Gain: 39.71 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz

Video Bandwidth: 30.0000 Hz

Sweep Time: 130.0 sec

Reference Level: -31.70 dB

Center Frequency: 10.7000 GHz

Span: 0.0000 Hz

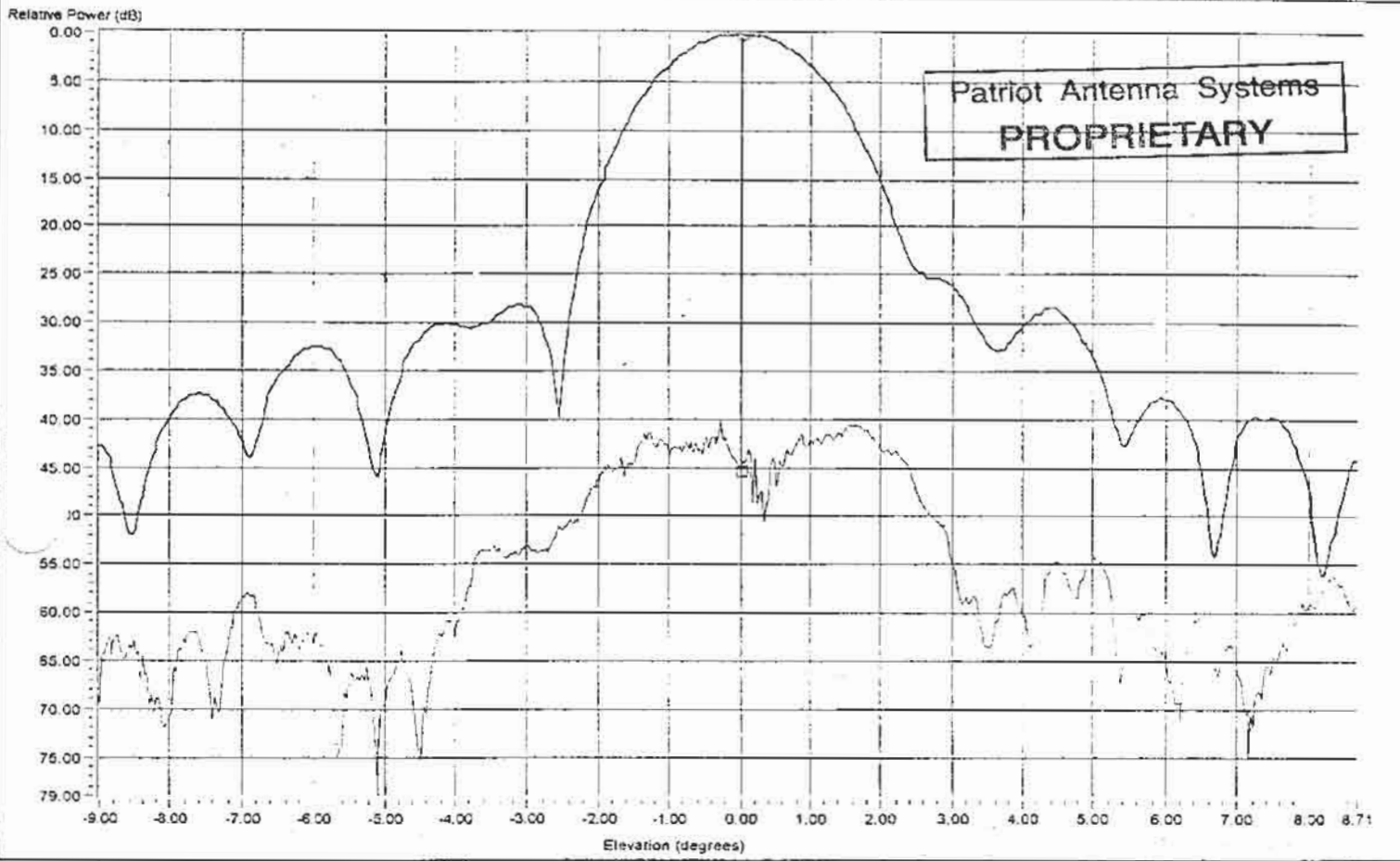
VertexRSI Representative

Representative

CUSTOMER: PATRIOT	SATELLITE: Short Range	Comments: <div style="border: 1px solid black; height: 40px; width: 100%;"></div>
VertexRSI Test Range	TRANSPONDERS: N/A	
WEATHER: Clear	JOB NUMBER: S4184	
ANTENNA: 1.0m Ku #1	TEST ENGINEER: Todd Weaver	

Cross Polarization Isolation and Applied Curve

Applied Curve: ITU 580-5 Save pattern to file



<p>Pattern Information</p> <p>Frequency Band: Receive</p> <p>Polarization: HORIZONTAL</p> <p>Beginning Angle: -9.00 degrees</p> <p>Ending Angle: 8.72 degrees</p> <p>Test Frequency: 10.7000 GHz</p>	<p>Copcl Pattern </p> <p>Cross Pol Pattern </p> <p>Measured Cross Pol </p> <p>Cross Polarization Isolation: 45.33 dB</p>	<p>Spectrum Analyzer Information</p> <p>Resolution Bandwidth: 30.0000 Hz</p> <p>Video Bandwidth: 30.0000 Hz</p> <p>Sweep Time: 135.0 sec</p> <p>Reference Level: -31.70 dB</p> <p>Center Frequency: 10.7000 GHz</p> <p>Span: 0.0000 Hz</p>
<p style="text-align: center;">Antenna Information</p> <p>Beam Center: Azimuth: 0.00 deg Elevation: 12.00 deg</p> <p>Specified Gain: 39.71 dB</p>		

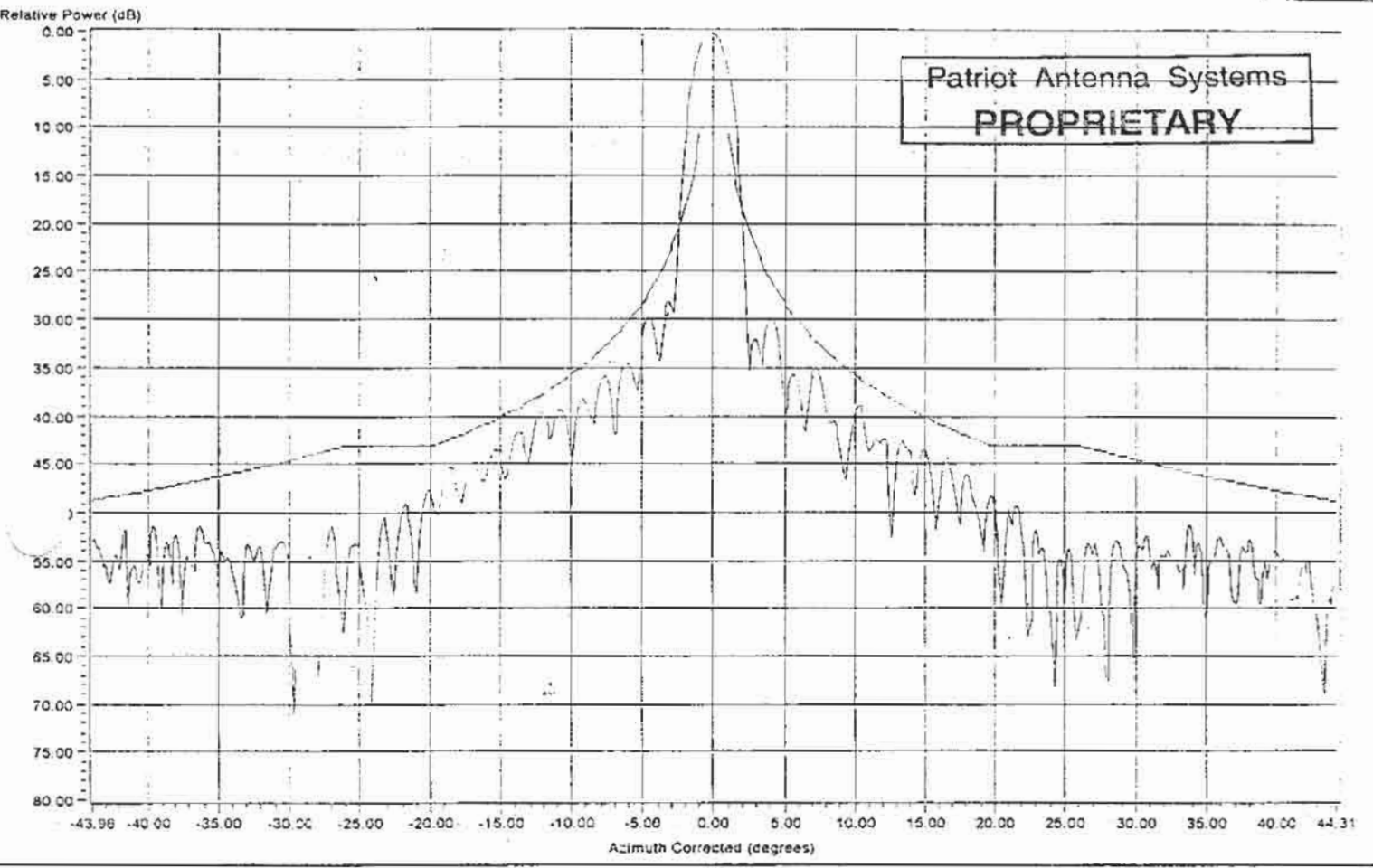
VertexRSI Representative Representative

CUSTOMER: PATRIOT	SATELLITE: Short Range	Comments: <input type="text"/>
VertexRSI Test Range	TRANSPONDERS: N/A	
WEATHER: Clear	JOB NUMBER: S4184	
ANTENNA: 1.0m Ku #1	TEST ENGINEER: Todd Weaver	

Copolarization Pattern and Applied Curve

Save pattern

Applied Curve: ITU 580-5



Pattern Information	
Frequency Band:	Receive
Polarization:	HORIZONTAL
Beginning Angle:	-45.00 degrees
Ending Angle:	45.41 degrees
Test Frequency:	10.7000 GHz

Antenna Information	
Beam Center:	Azimuth: 0.000 deg
	Elevation: 12.000 deg
Specified Gain:	39.71 dB

Spectrum Analyzer Information	
Resolution Bandwidth:	30.0000 Hz
Video Bandwidth:	30.0000 Hz
Sweep Time:	95.0 sec
Reference Level:	-31.70 dB
Center Frequency:	10.7000 GHz
Span:	0.0000 Hz

Ver RSI Representative

Representative

CUSTOMER: PATRIOT
VertexRSI Test Range

SATELLITE: Short Range

TRANSPONDERS: N/A

WEATHER: Clear

JOB NUMBER: S4184

ANTENNA: 1.0m Ku #1

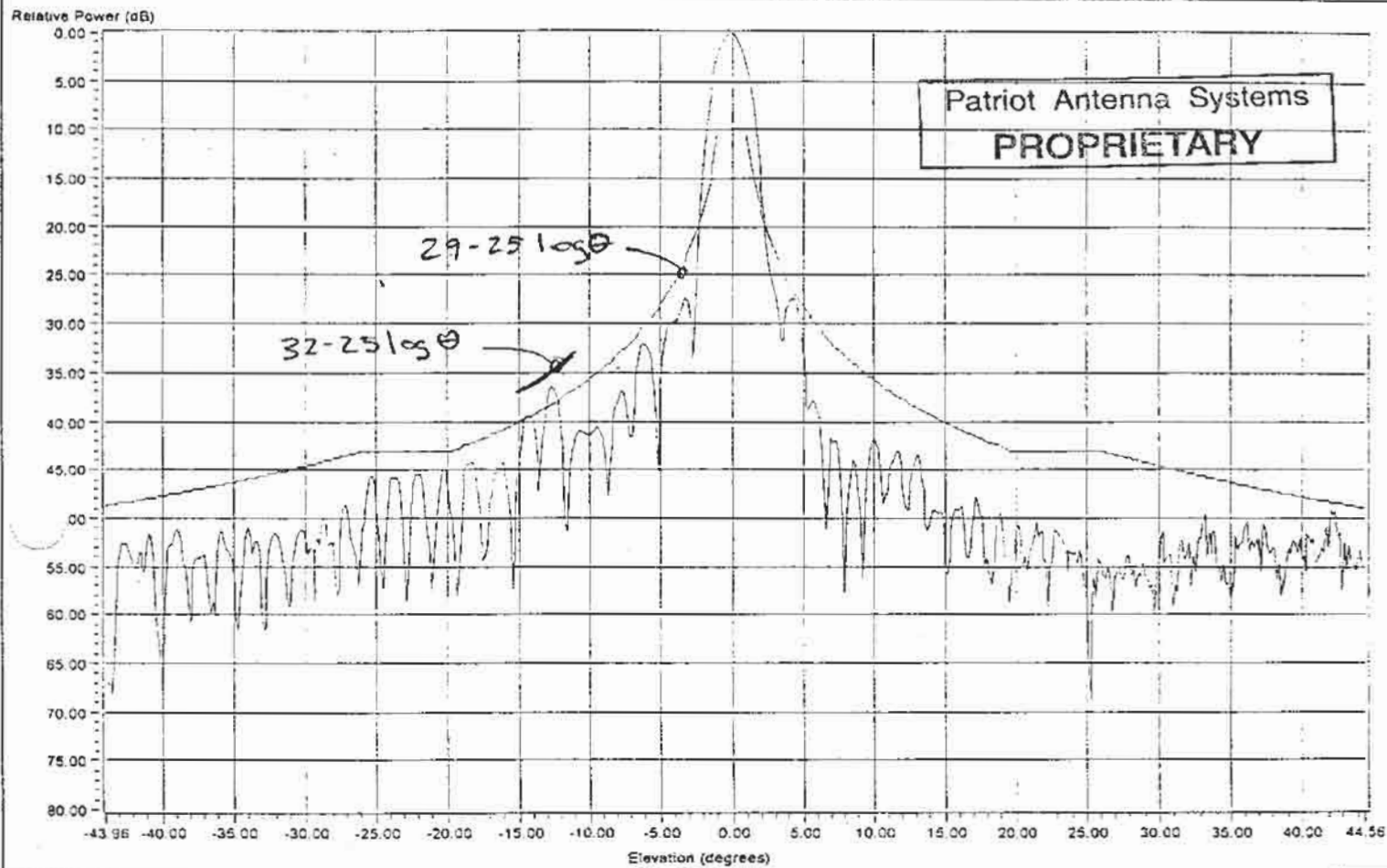
TEST ENGINEER: Todd Weaver

Comments:

Save pattern

Copolarization Pattern and Applied Curve

Applied Curve: ITU 580-5



Pattern Information

Frequency Band: Receive

Polarization: HORIZONTAL

Beginning Angle: -45.00 degrees

Ending Angle: 45.61 degrees

Test Frequency: 10.7000 GHz

Antenna Information

Beam Center: Azimuth: 0.000 deg

Elevation: 12.000 deg

Specified Gain: 39.71 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz

Video Bandwidth: 30.0000 Hz

Sweep Time: 95.0 sec

Reference Level: -31.70 dB

Center Frequency: 10.7000 GHz

Span: 0.0000 Hz

RSI Representative

Representative

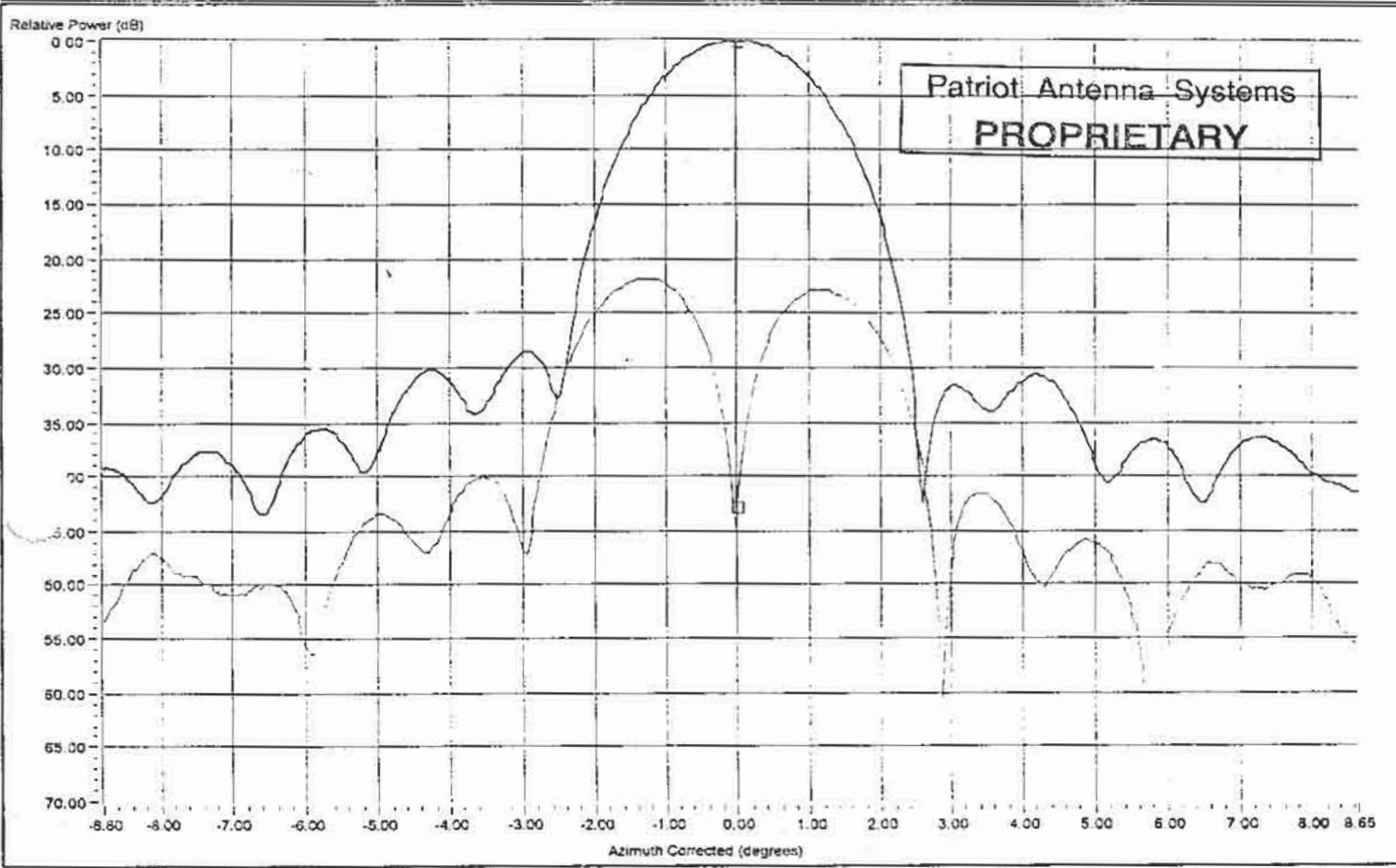
COMER: PATRIOT **SATELLITE:** Short Range
 VertexRSI Test Range **TRANSPONDERS:** N/A
WEATHER: Clear **JOB NUMBER:** S4184
ANTENNA: 1.0m Ku #1 **TEST ENGINEER:** Todd Weaver

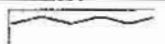

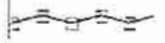
Comments:

Cross Polarization Isolation and Applied Curve

Save pattern to file

Applied Curve:



<p>Pattern Information</p> <p>Frequency Band: Receive</p> <p>Polarization: HORIZONTAL</p> <p>Beginning Angle: -8.80 degrees</p> <p>Ending Angle: 8.87 degrees</p> <p>Test Frequency: 10.9500 GHz</p>	<p>Copol Pattern </p> <p>Cross Pol Pattern </p> <p>Measured Cross Pol </p> <p>Cross Polarization Isolation: <input type="text" value="42.83 dB"/></p>	<p>Spectrum Analyzer Information</p> <p>Resolution Bandwidth: 30.0000 Hz</p> <p>Video Bandwidth: 30.0000 Hz</p> <p>Sweep Time: 130.0 sec</p> <p>Reference Level: -31.20 dB</p> <p>Center Frequency: 10.9500 GHz</p> <p>Span: 0.0000 Hz</p>
<p>Antenna Information</p> <p>Beam Center: Azimuth: 0.00 deg Elevation: 12.00 deg</p> <p>Specified Gain: 39.82 dB</p>		

VertexRSI Representative Representative

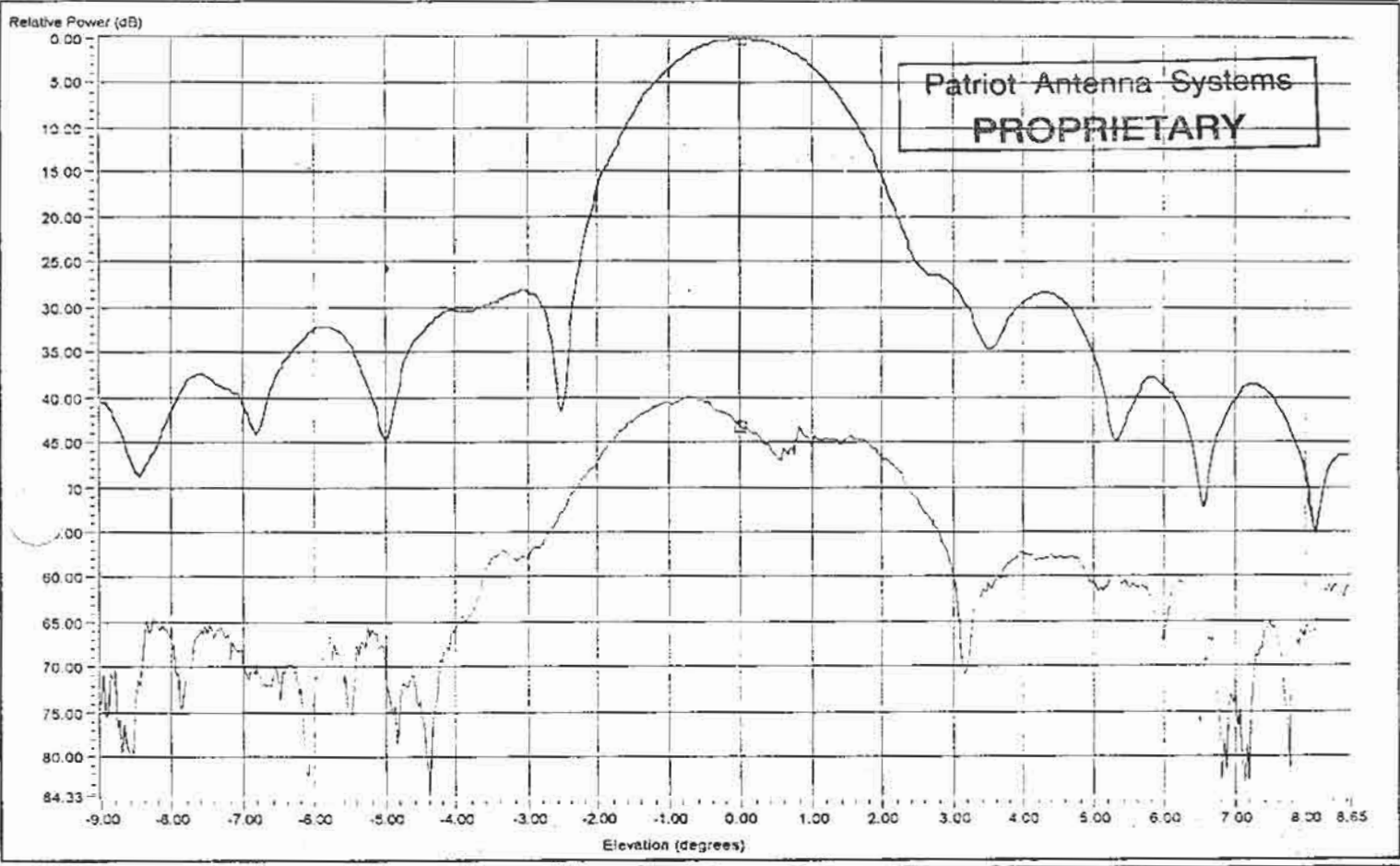
COMER: PATRIOT **SATELLITE:** Short Range
 VertexRSI Test Range **TRANSPONDERS:** N/A
WEATHER: Clear **JOB NUMBER:** S4184
ANTENNA: 1.0m Ku #1 **TEST ENGINEER:** Todd Weaver

Comments:

Cross Polarization Isolation and Applied Curve

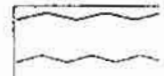

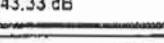
Save pattern to file

Applied Curve:



Pattern Information:

Frequency Band: Receive
 Polarization: HORIZONTAL
 Beginning Angle: -9.00 degrees
 Ending Angle: 8.86 degrees
 Test Frequency: 10.9500 GHz

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

Antenna Information:

Beam Center: Azimuth: 0.00 deg
 Elevation: 12.00 deg
 Specified Gain: 39.82 dB

Spectrum Analyzer Information:

Resolution Bandwidth: 30.0000 Hz
 Video Bandwidth: 30.0000 Hz
 Sweep Time: 135.0 sec
 Reference Level: -31.20 dB
 Center Frequency: 10.9500 GHz
 Span: 0.0000 Hz

VertexRSI Representative

Representative

COMER: PATRIOT
VertexRSI Test Range
WEATHER: Clear
ANTENNA: 1.0m Ku #1

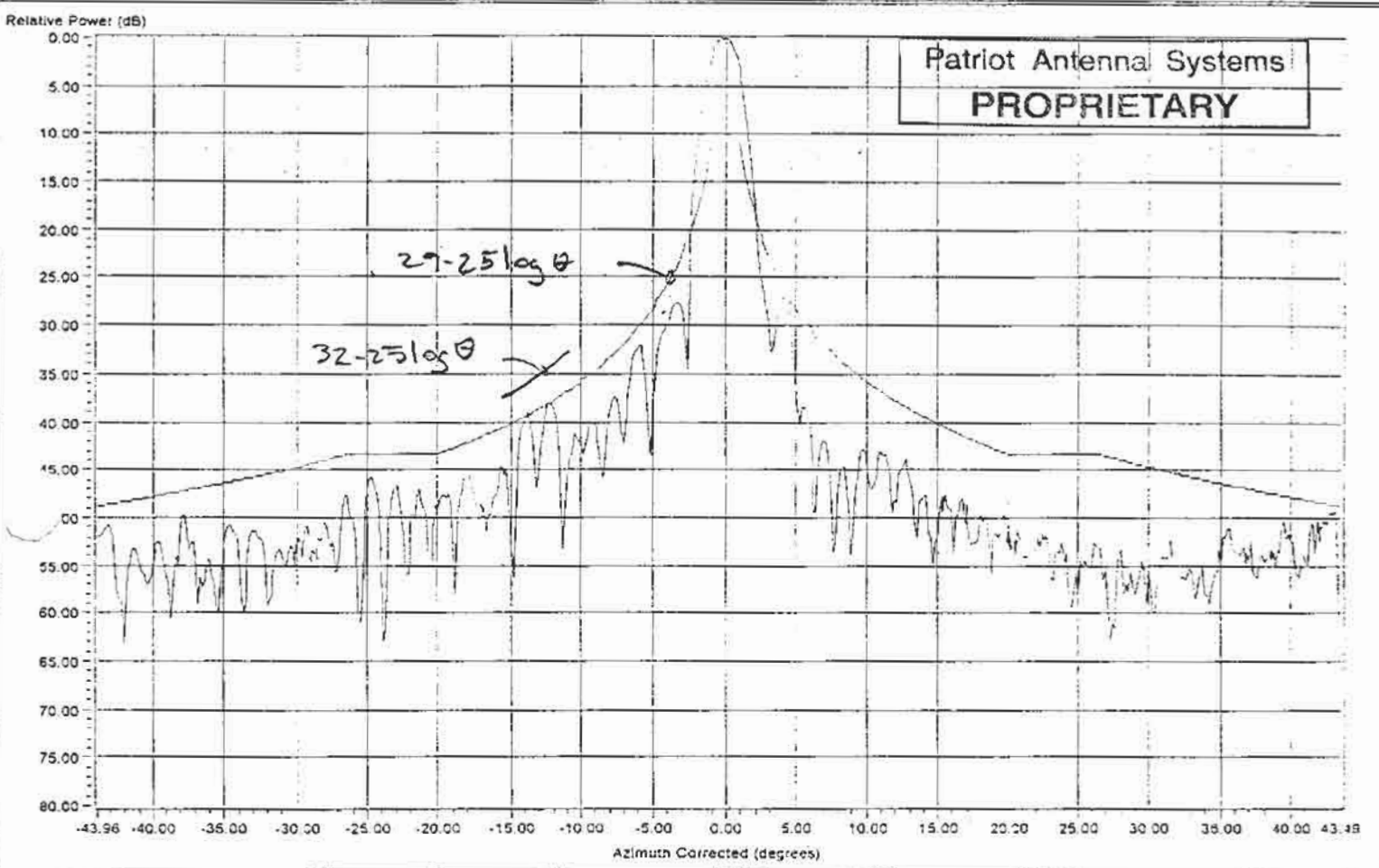
SATELLITE: Short Range
TRANSPONDERS: N/A
JOB NUMBER: S4184
TEST ENGINEER: Todd Weaver

Comments:

Copolarization Pattern and Applied Curve

Save pattern

Applied Curve: ITU 580-5



Pattern Information

Frequency Band: Receive
Polarization: HORIZONTAL
Beginning Angle: -45.00 degrees
Ending Angle: 44.62 degrees
Test Frequency: 10.9500 GHz

Antenna Information

Beam Center: Azimuth: 0.000 deg
Elevation: 12.000 deg
Specified Gain: 39.62 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
Video Bandwidth: 30.0000 Hz
Sweep Time: 95.0 sec
Reference Level: -31.53 dB
Center Frequency: 10.9500 GHz
Span: 0.0000 Hz

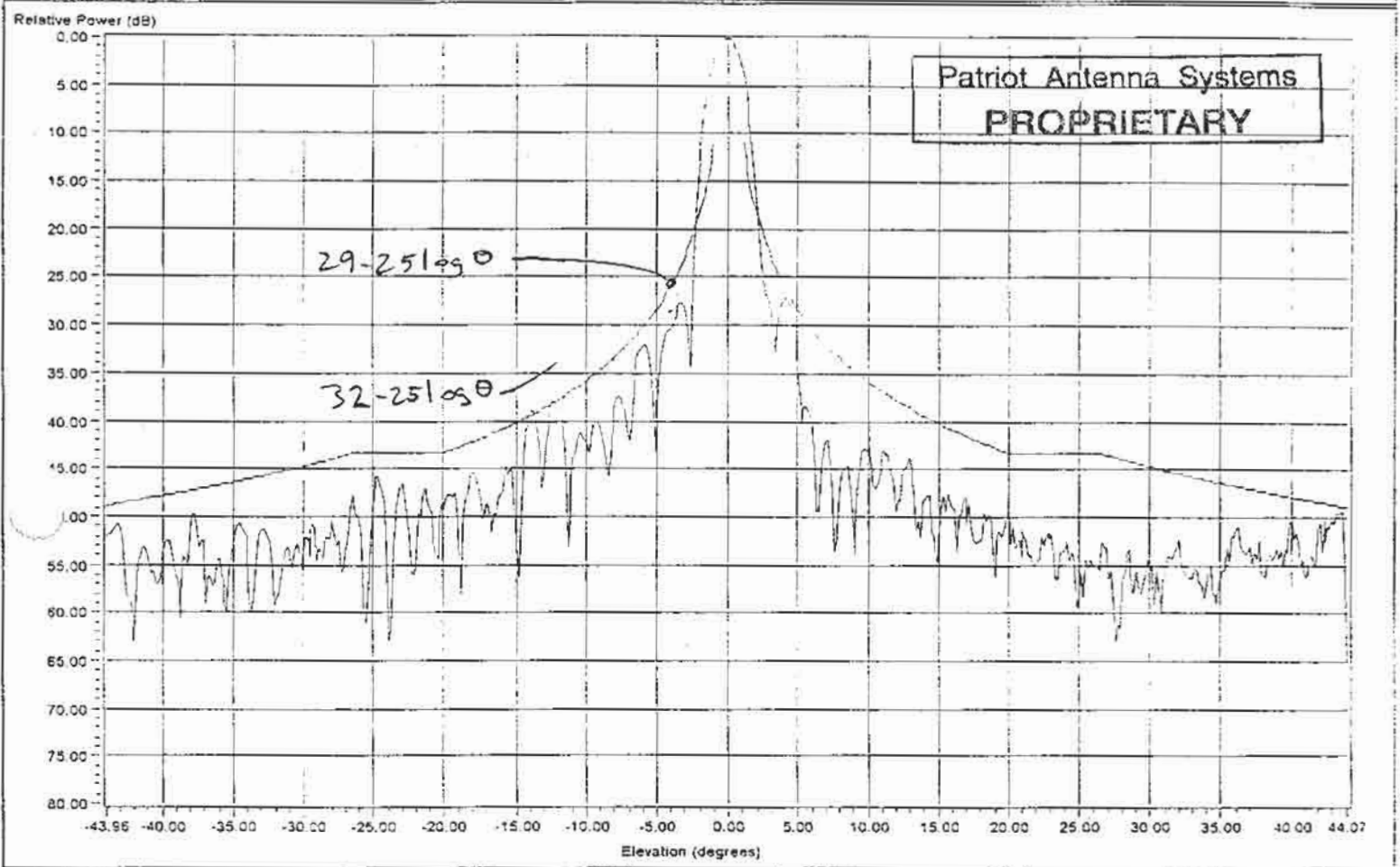
RSI Representative

Representative

TOWER: PATRIOT	SATELLITE: Short Range	Comments: <div style="border: 1px solid black; height: 20px; width: 100%;"></div>
WEATHER: Clear	TRANSPONDERS: N/A	
ANTENNA: 1.0m Ku #1	JOB NUMBER: S4184	
	TEST ENGINEER: Todd Weaver	

Copolarization Pattern and Applied Curve Save pattern

Applied Curve: ITU 580-5



Pattern Information	
Frequency Band:	Receive
Polarization:	HORIZONTAL
Beginning Angle:	-45.00 degrees
Ending Angle:	45.21 degrees
Test Frequency:	10.9500 GHz

Antenna Information	
Beam Center:	Azimuth: 0.000 deg
	Elevation: 12.000 deg
Specified Gain:	39.82 dB

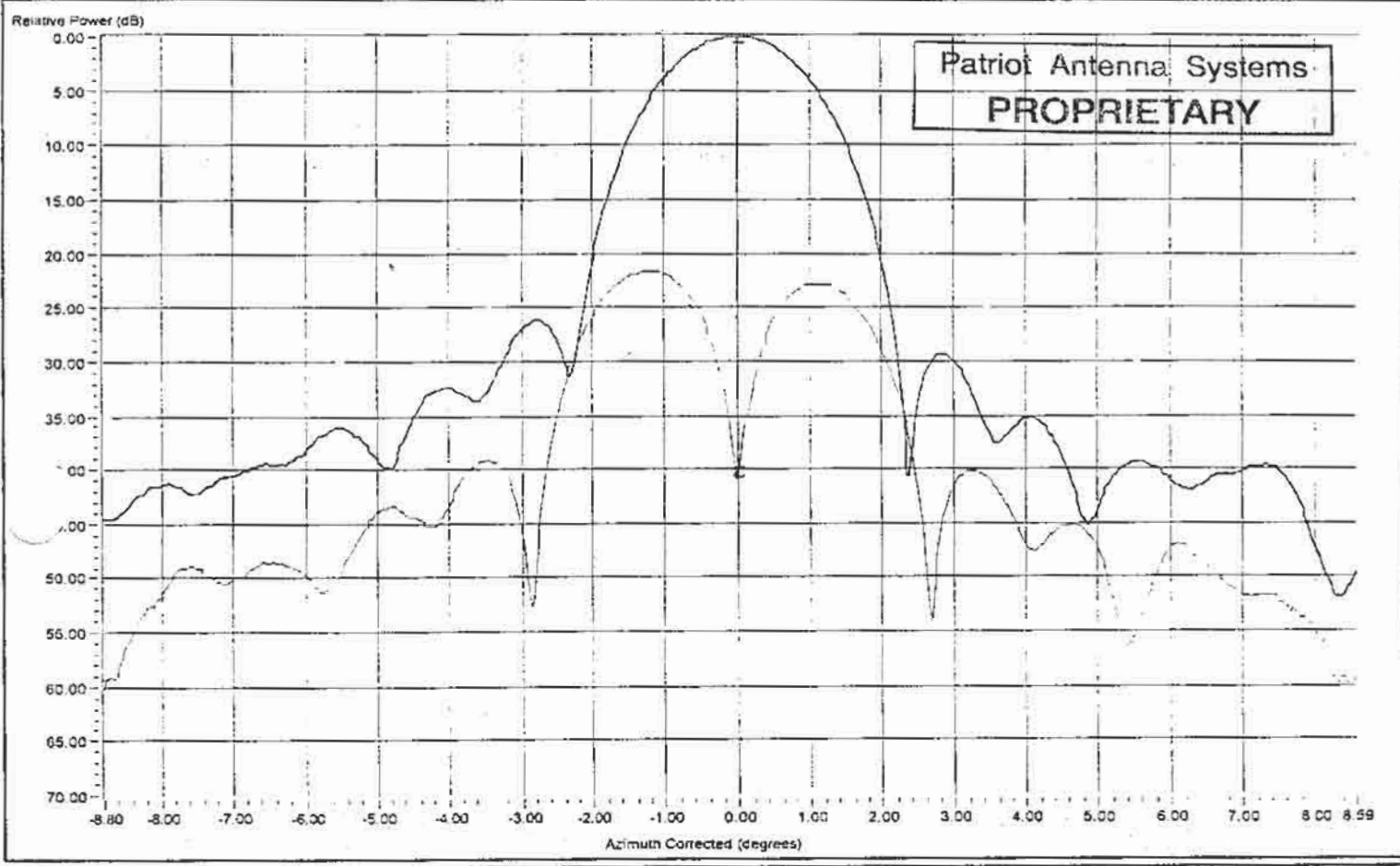
Spectrum Analyzer Information	
Resolution Bandwidth:	30.0000 Hz
Video Bandwidth:	30.0000 Hz
Sweep Time:	95.0 sec
Reference Level:	-31.53 dB
Center Frequency:	10.9500 GHz
Span:	0.0000 Hz

xRSI Representative Representative

C	NAME: PATRIOT	SATELLITE: Short Range	Comments: <div style="border: 1px solid black; height: 50px;"></div>
	VertexRSI Test Range	TRANSPONDERS: N/A	
WEATHER: Clear		JOB NUMBER: S4184	
ANTENNA: 1.0m Ku #1		TEST ENGINEER: Todd Weaver	

Cross Polarization Isolation and Applied Curve:

Applied Curve:



<p>Pattern Information</p> <p>Frequency Band: Receive</p> <p>Polarization: HORIZONTAL</p> <p>Beginning Angle: -8.80 degrees</p> <p>Ending Angle: 8.61 degrees</p> <p>Test Frequency: 11.7000 GHz</p>	<p>Cocpl Pattern</p> <p>Cross Pol Pattern</p> <p>Measured Cross Pol</p> <p>Cross Polarization Isolation: <input type="text" value="40.17 dB"/></p>	<p>Spectrum Analyzer Information</p> <p>Resolution Bandwidth: 30.0000 Hz</p> <p>Video Bandwidth: 30.0000 Hz</p> <p>Sweep Time: 130.0 sec</p> <p>Reference Level: -33.16 dB</p> <p>Center Frequency: 11.7000 GHz</p> <p>Span: 0.0000 Hz</p>
<p>Antenna Information</p> <p>Beam Center: Azimuth: 0.00 deg Elevation: 12.00 deg</p> <p>Specified Gain: 40.50 dB</p>		

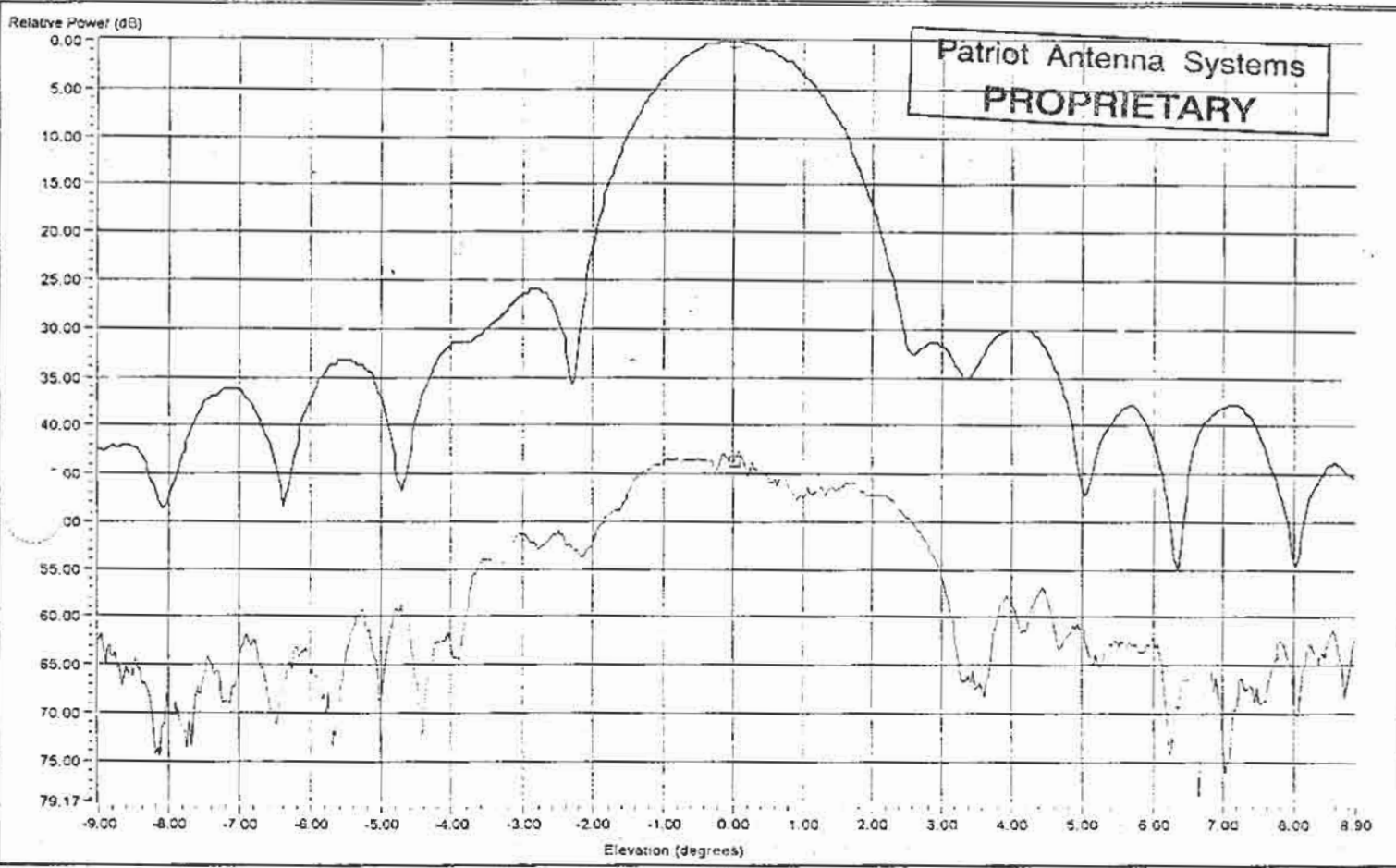
VertexRSI Representative Representative

NAME: PATRIOT	SATELLITE: Short Range	Comments:
VertexRSI Test Range	TRANSPONDERS: N/A	
WEATHER: Clear	JOB NUMBER: S4184	
ANTENNA: 1.0m Ku #1	TEST ENGINEER: Todd Weaver	

Cross Polarization Isolation and Applied Curve

Applied Curve: ITU 580-5

Save pattern to file



<p>Pattern Information</p> <p>Frequency Band: Receive</p> <p>Polarization: HORIZONTAL</p> <p>Beginning Angle: -9.00 degrees</p> <p>Ending Angle: 8.91 degrees</p> <p>Test Frequency: 11.7000 GHz</p>	<p>Copol Pattern: </p> <p>Cross Pol Pattern: </p> <p>Measured Cross Pol Isolation: 43.50 dB</p>	<p>Spectrum Analyzer Information</p> <p>Resolution Bandwidth: 30.0000 Hz</p> <p>Video Bandwidth: 30.0000 Hz</p> <p>Sweep Time: 135.0 sec</p> <p>Reference Level: -33.16 dB</p> <p>Center Frequency: 11.7000 GHz</p> <p>Span: 0.0000 Hz</p>
<p>Antenna Information</p> <p>Beam Center: Azimuth: 0.00 deg Elevation: 12.00 deg</p> <p>Specified Gain: 40.50 dB</p>		

VertexRSI Representative

Representative

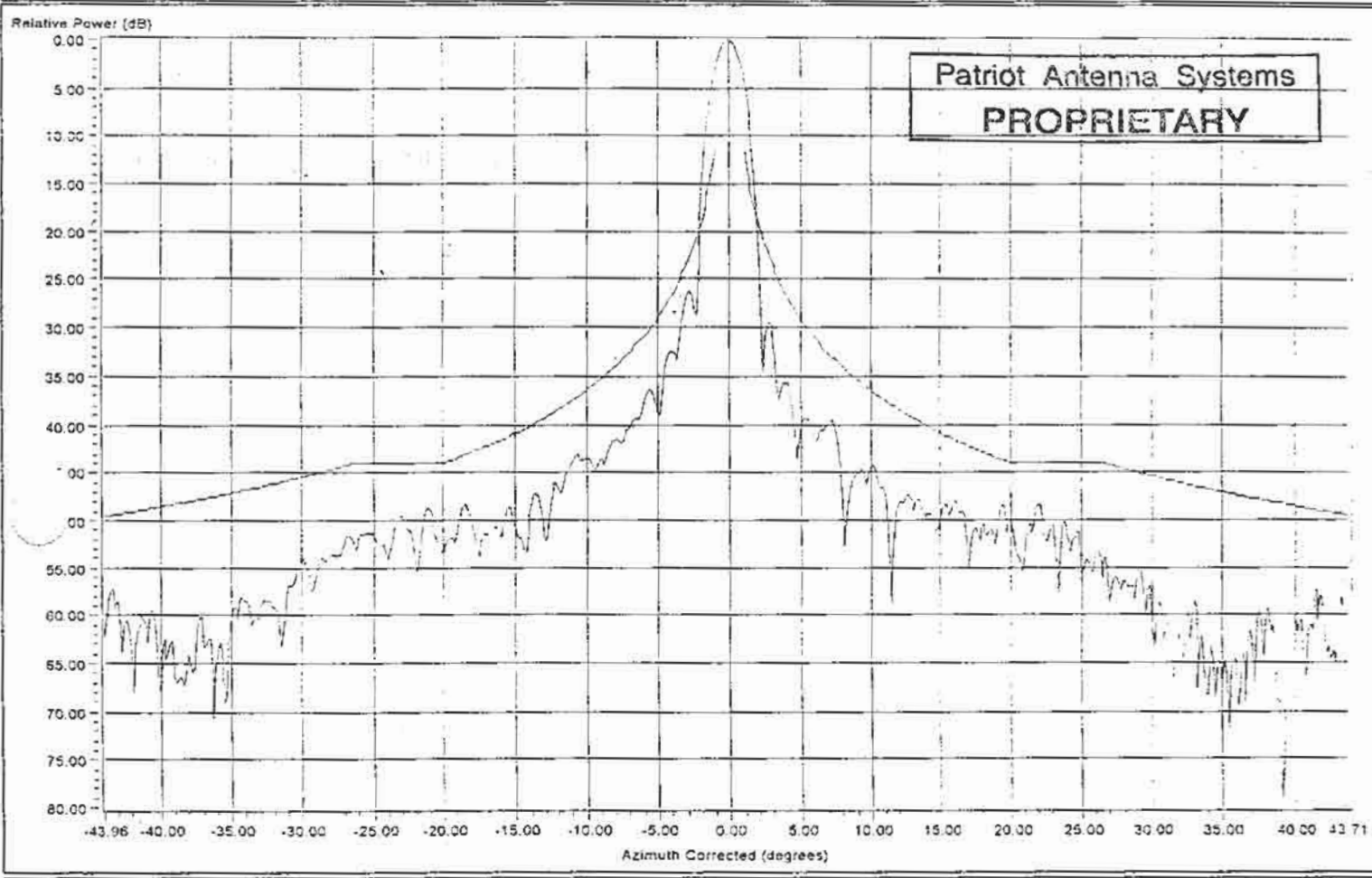
C DMER: PATRIOT SATELLITE: Short Range
 VertexRSI Test Range TRANSPONDERS: N/A
 WEATHER: Clear JOB NUMBER: S4184
 ANTENNA: 1.0m Ku #1 TEST ENGINEER: Todd Weaver

Comments:

Copolarization Pattern and Applied Curve

Save pattern

Applied Curve:



Pattern Information

Frequency Band: Receive
 Polarization: HORIZONTAL
 Beginning Angle: -45.00 degrees
 Ending Angle: 44.78 degrees
 Test Frequency: 11.7000 GHz

Antenna Information

Beam Center: Azimuth: 0.000 deg
 Elevation: 12.000 deg
 Specified Gain: 40.50 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
 Video Bandwidth: 30.0000 Hz
 Sweep Time: 95.0 sec
 Reference Level: -33.33 dB
 Center Frequency: 11.7000 GHz
 Span: 0.0000 Hz

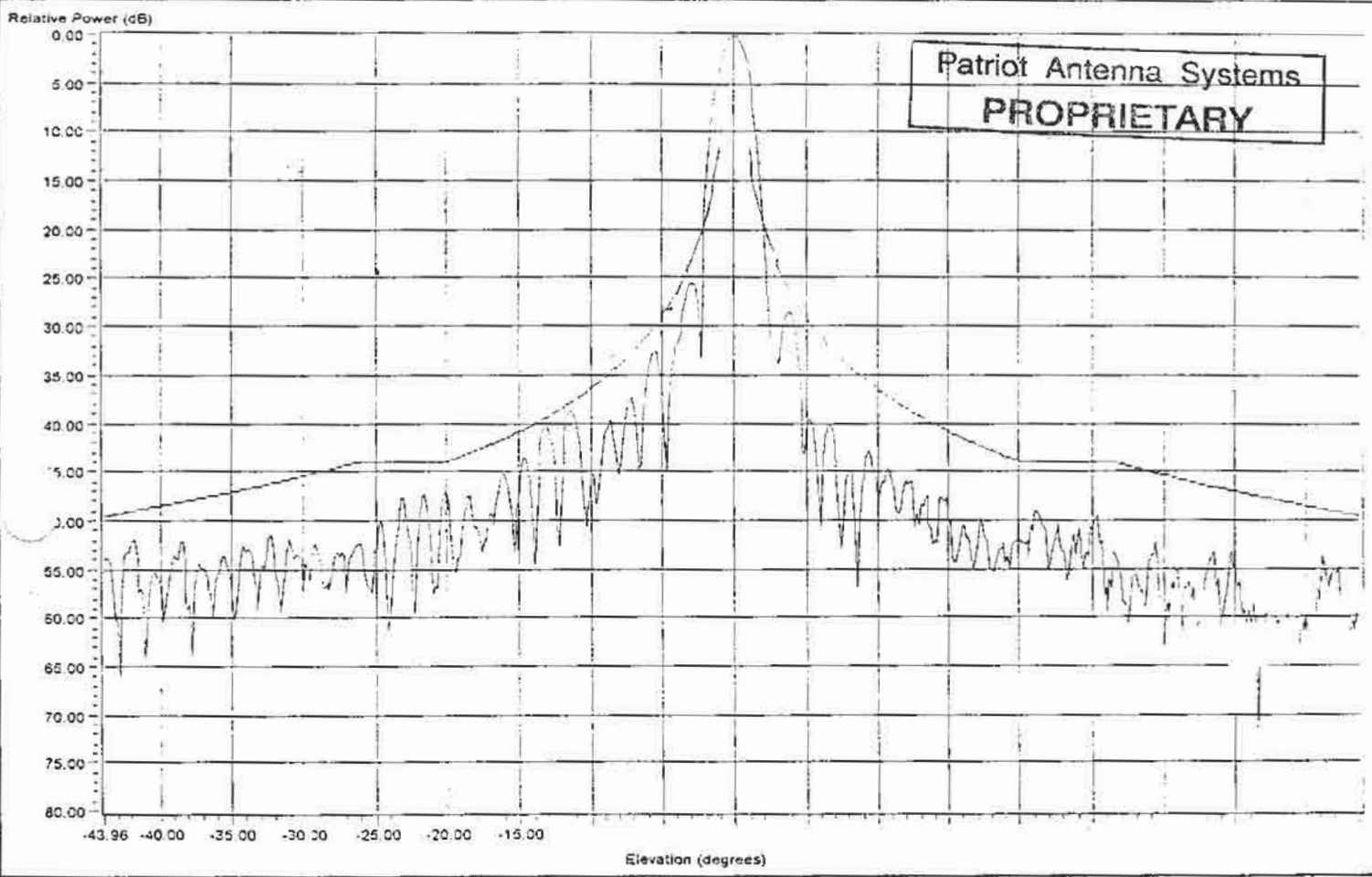
RSI Representative

Representative

COMER: PATRIOT **SATELLITE:** Short Range
 VertexRSI Test Range **TRANSPONDERS:** N/A
WEATHER: Clear **JOB NUMBER:** S4184
ANTENNA: 1.0m Ku #1 **TEST ENGINEER:** Todd Weaver

Comments:

Copolarization Pattern and Applied Curve
Applied Curve:



Pattern Information	
Frequency Band:	Receive
Polarization:	HORIZONTAL
Beginning Angle:	-45.00 degrees
Ending Angle:	44.51 degrees
Test Frequency:	11.7000 GHz

Antenna Information	
Beam Center:	Azimuth: 0.000 deg
	Elevation: 12.000 deg
Specified Gain:	40.50 dB

Spectrum Analyzer Information	
Resolution Bandwidth:	30.0000 Hz
Video Bandwidth:	30.0000 Hz
Sweep Time:	95.0 sec
Reference Level:	-33.50 dB
Center Frequency:	11.7000 GHz
Span:	0.0000 Hz

VertexRSI Representative

Representative



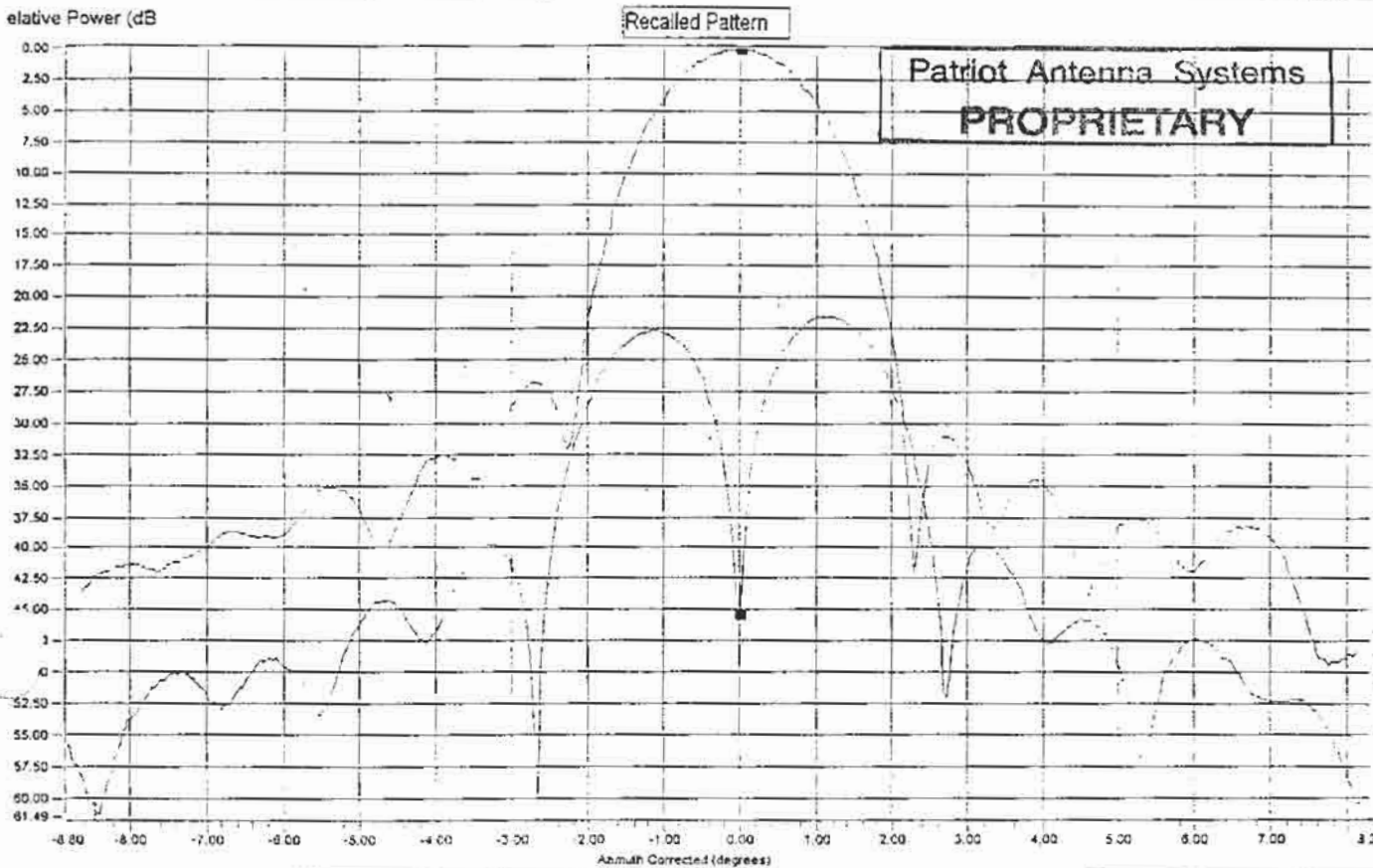
CUSTOMER: PATRIOT
 SITE: VertexRSI Test Range
 POLARIZATION: Clear
 ANTENNA: 1.0m Ku #1

SATELLITE: Short Range
 TRANSPONDER: N/A
 JOB NUMBER: Todd Weaver
 TEST ENGINEER: S4184

Comments:

Empty text box for comments.

Applied Curve:



Pattern Information

Frequency Band: Receive
 Polarization: HORIZONTAL
 Beginning Angle: -8.80 degrees
 Ending Angle: 8.32 degrees
 Test Frequency: 11.9500 GHz

Antenna Information

Beam Center: Azimuth: 0.00
 Elevation: 12.00
 Specified Gain: 40.61 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
 Center Frequency: 11.9500 GHz
 Video Bandwidth: 30.0000 Hz
 Reference Level: -28.07 dB
 Sweep Time: 130.0 sec

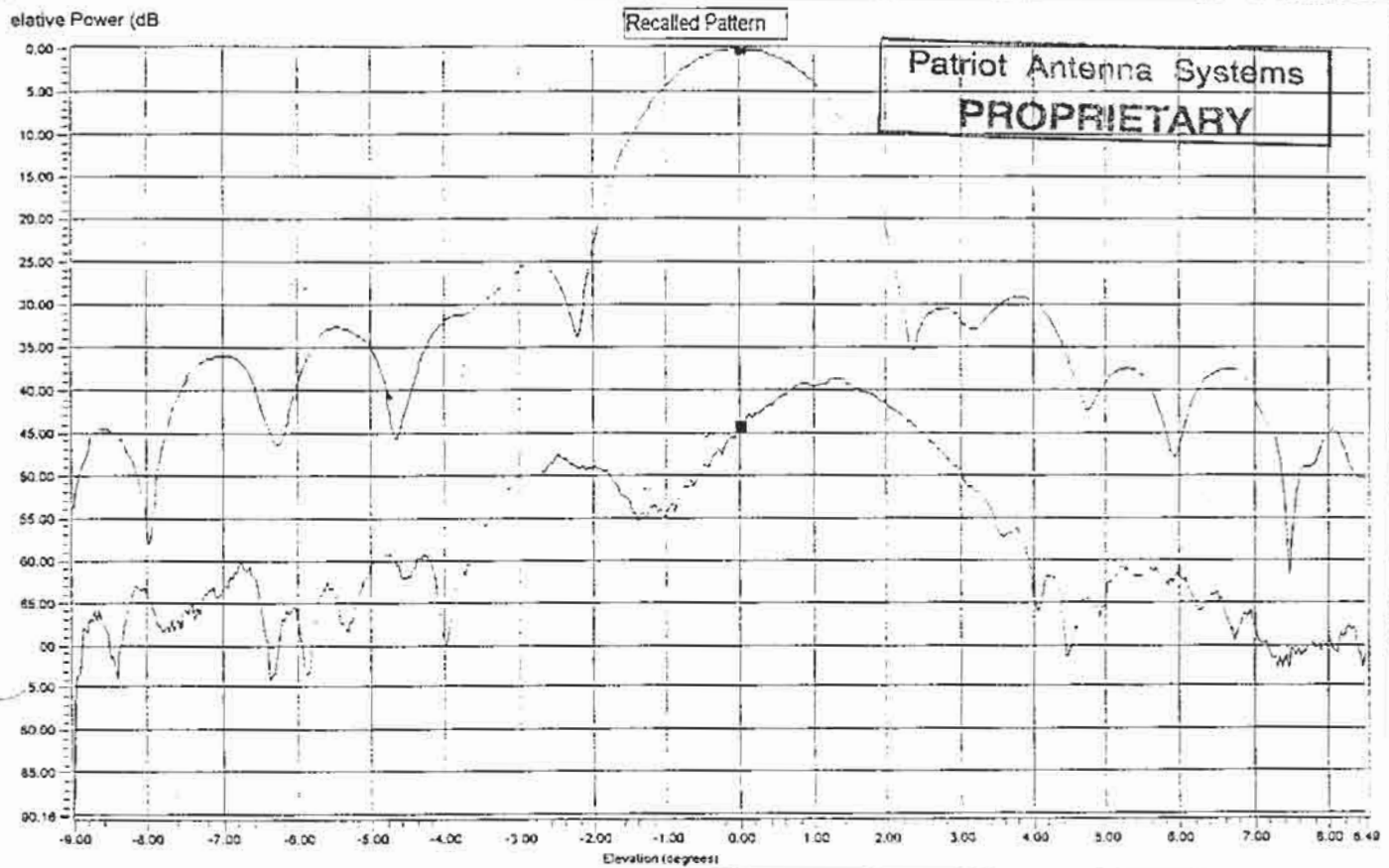
Use Ctrl-H to see information and instructions on specific fields in this panel.



CUSTOMER: PATRIOT SATELLITE: Short Range
 SITE: VertexRSI Test Range TRANSPONDER: N/A
 ANTENNA: Clear JOB NUMBER: Todd Weaver
 WEATHER: 1.0m Ku #1 TEST ENGINEER: S4184

Comments:

Applied Curve:



Pattern Information	
Frequency Band:	Receive
Polarization:	HORIZONTAL
Beginning Angle:	-9.00 degrees
Ending Angle:	8.52 degrees
Test Frequency:	11.9500 GHz

Antenna Information	
Beam Center:	Azimuth: 0.00 Elevation: 12.00
Specified Gain:	40.61 dB

Spectrum Analyzer Information	
Resolution Bandwidth:	30.0000 Hz
Center Frequency:	11.9500 GHz
Video Bandwidth:	30.0000 Hz
Reference Level:	-28.07 dB
Sweep Time:	135.0 sec

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

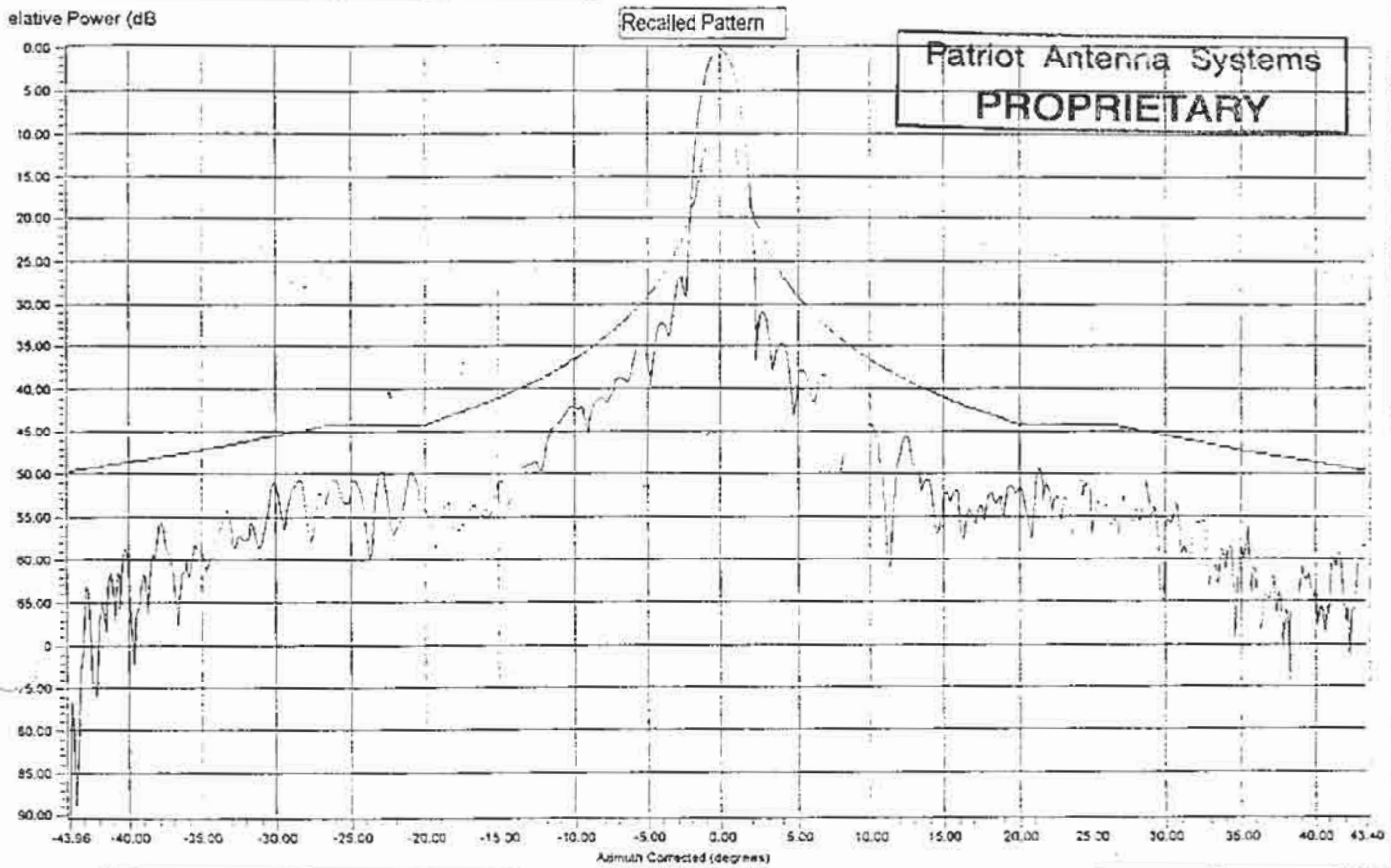


CUSTOMER: PATRIOT
 SITE: VertexRSI Test Range
 WIND: Clear
 WEATHER: 1.0m Ku #1

SATELLITE: Short Range
 TRANSPONDER: N/A
 JOB NUMBER: Todd Weaver
 TEST ENGINEER: S4184

Comments:

Applied Curve:



Pattern Information

Frequency Band: Receive
 Polarization: HORIZONTAL
 Beginning Angle: -45.00 degrees
 Ending Angle: 44.52 degrees
 Test Frequency: 11.9500 GHz

Antenna Information

Beam Center: Azimuth: 0.00
 Elevation: 12.00
 Specified Gain: 40.61 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
 Center Frequency: 11.9500 GHz
 Video Bandwidth: 30.0000 Hz
 Reference Level: -28.07 dB
 Sweep Time: 95.0 sec

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

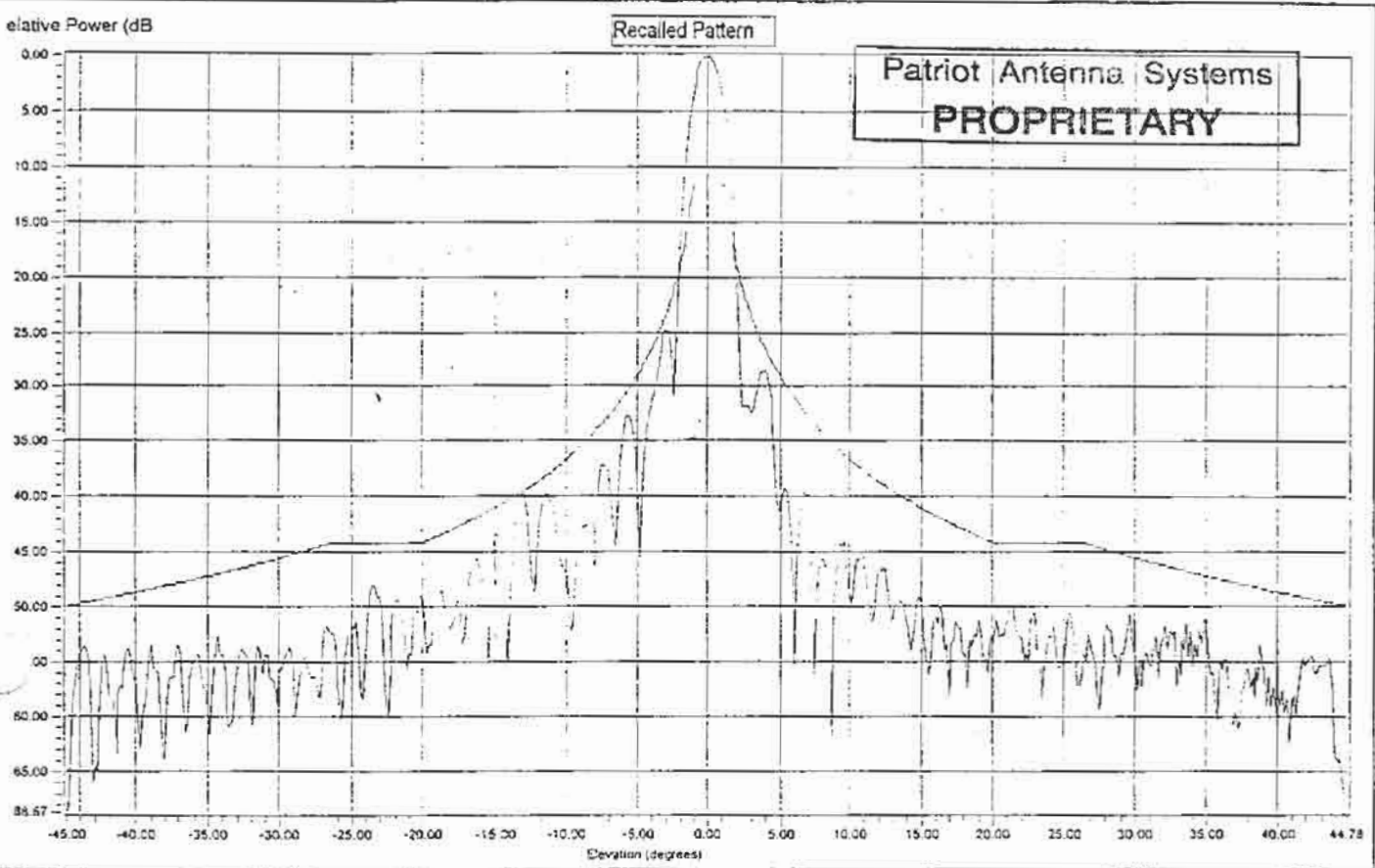


CUSTOMER: PATRIOT
 SITE: VertexRSI Test Range
 TENNA: Clear
 WEATHER: 1.0m Ku #1

SATELLITE: Short Range
 TRANSPONDER: N/A
 JOB NUMBER: Todd Weaver
 TEST ENGINEER: S4184

Comments:

Applied Curve:



Pattern Information

Frequency Band: Receive
 Polarization: HORIZONTAL
 Beginning Angle: -45.00 degrees
 Ending Angle: 44.79 degrees
 Test Frequency: 11.9500 GHz

Antenna Information

Beam Center: Azimuth: 0.00
 Elevation: 12.00
 Specified Gain: 40.61 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
 Center Frequency: 11.9500 GHz
 Video Bandwidth: 30.0000 Hz
 Reference Level: -28.56 dB
 Sweep Time: 95.0 sec

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



Time of Pattern:

Monday, October 23, 2000 9:52 AM

CUSTOMER: PATRIOT
SITE: VertexRSI Test Range
ANTENNA: Clear
WEATHER: 1.0m Ku #1

SATELLITE: Short Range
TRANSPONDER: N/A
JOB NUMBER: Todd Weaver
TEST ENGINEER: S4184

Comments:

Empty text box for comments.

Applied Curve: ITU 580-5

Tool box

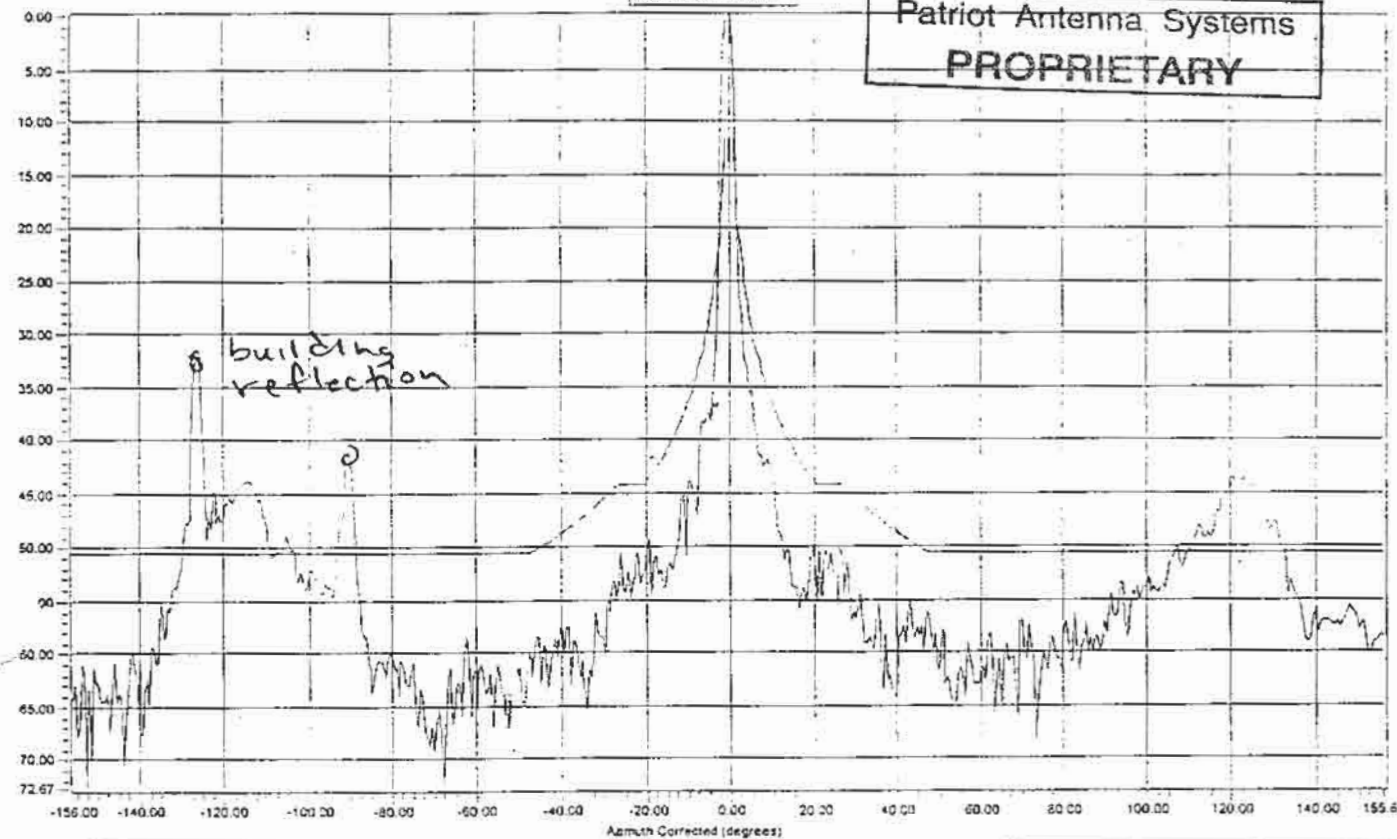
Recall

Exit

relative Power (dB)

Recalled Pattern

Patriot Antenna Systems
PROPRIETARY



Pattern Information

Frequency Band: Receive
Polarization: HORIZONTAL
Beginning Angle: -180.00 degrees
Ending Angle: 179.81 degrees
Test Frequency: 11.9500 GHz

Antenna Information

Beam Center: Azimuth: 0.00
Elevation: 12.00
Specified Gain: 40.61 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
Center Frequency: 11.9500 GHz
Video Bandwidth: 30.0000 Hz
Reference Level: -28.56 dB
Sweep Time: 370.0 sec

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



VERTIGO TRACKAGE RECALL

WRITTEN BY JERRY M. WARD

Time of Pattern:

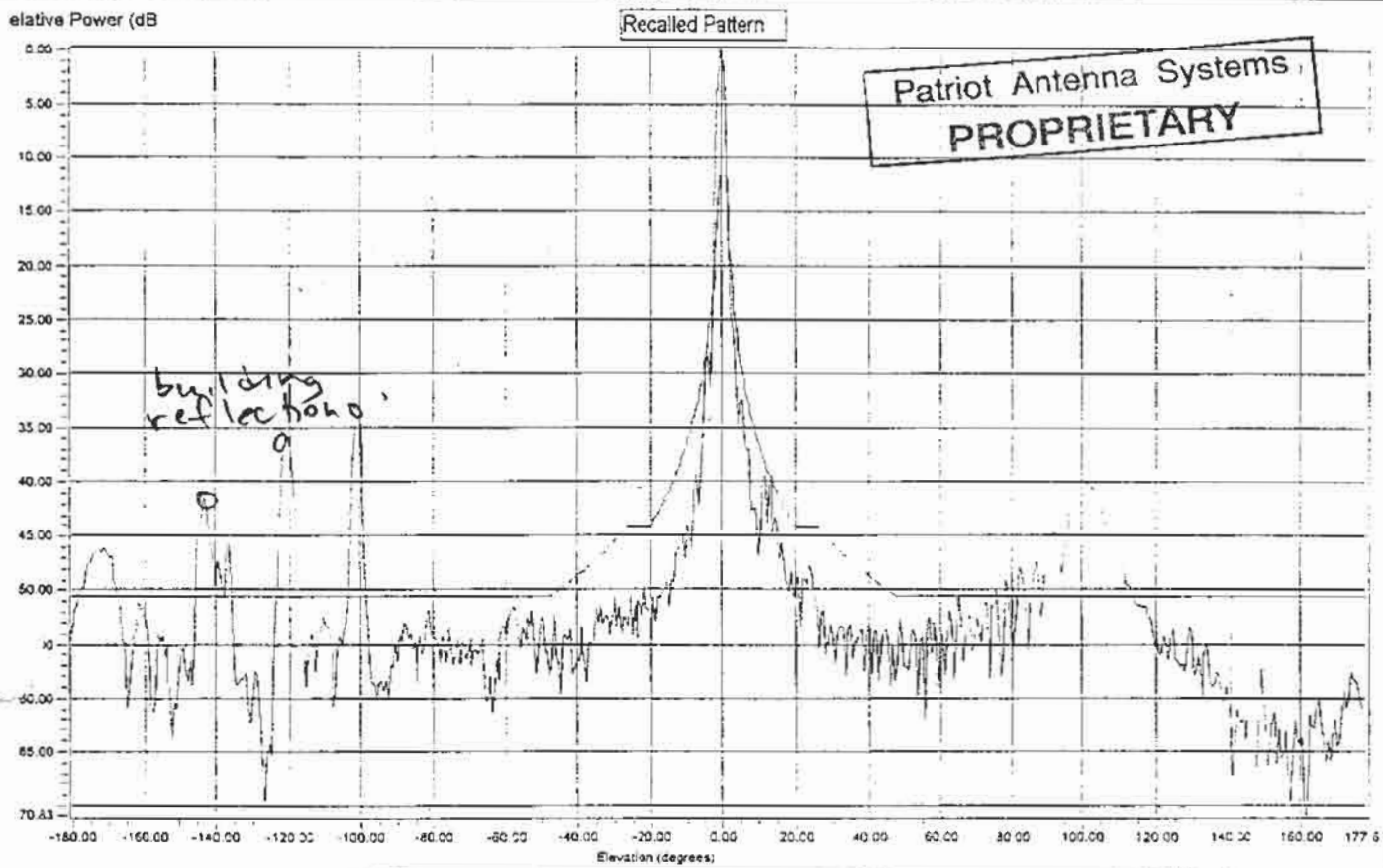
Monday, October 23, 2000 10:02 AM

CUSTOMER: PATRIOT SATELLITE: Short Range
 SITE: VertexRSI Test Range TRANSPONDER: N/A
 TENNA: Clear JOB NUMBER: Todd Weaver
 WEATHER: 1.0m Ku #1 TEST ENGINEER: S4184

Comments:

Applied Curve: ITU 580-5

Tool box Recall Exit



Pattern Information

Frequency Band: Receive
 Polarization: HORIZONTAL
 Beginning Angle: -180.00 degrees
 Ending Angle: 177.88 degrees
 Test Frequency: 11.9500 GHz

Antenna Information

Beam Center: Azimuth: 0.00
 Elevation: 12.00
 Specified Gain: 40.61 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
 Center Frequency: 11.9500 GHz
 Video Bandwidth: 30.0000 Hz
 Reference Level: -29.40 dB
 Sweep Time: 370.0 sec

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

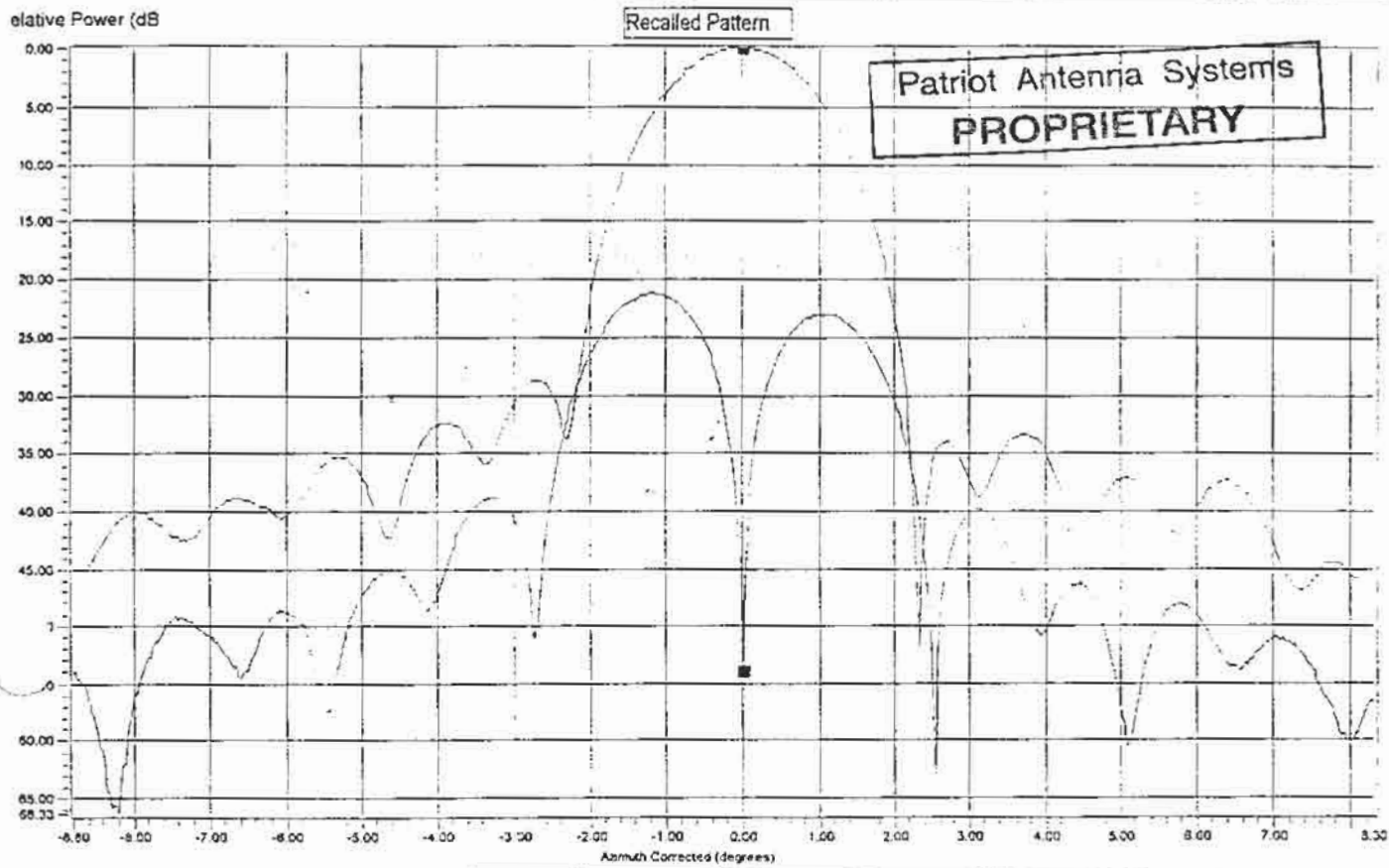


CUSTOMER: PATRIOT SATELLITE: Short Range
 SITE: VertexRSI Test Range TRANSPONDER: N/A
 ENNA: Clear JOB NUMBER: Todd Weaver
 WATHER: 1.0m Ku #1 TEST ENGINEER: S4184

Comments:

Empty text box for comments.

Applied Curve:



Pattern Information

Frequency Band: Receive
 Polarization: HORIZONTAL
 Beginning Angle: -8.80 degrees
 Ending Angle: 8.33 degrees
 Test Frequency: 12.2500 GHz

Antenna Information

Beam Center: Azimuth: 0.00
 Elevation: 12.00
 Specified Gain: 40.67 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
 Center Frequency: 12.2500 GHz
 Video Bandwidth: 30.0000 Hz
 Reference Level: -32.27 dB
 Sweep Time: 130.0 sec

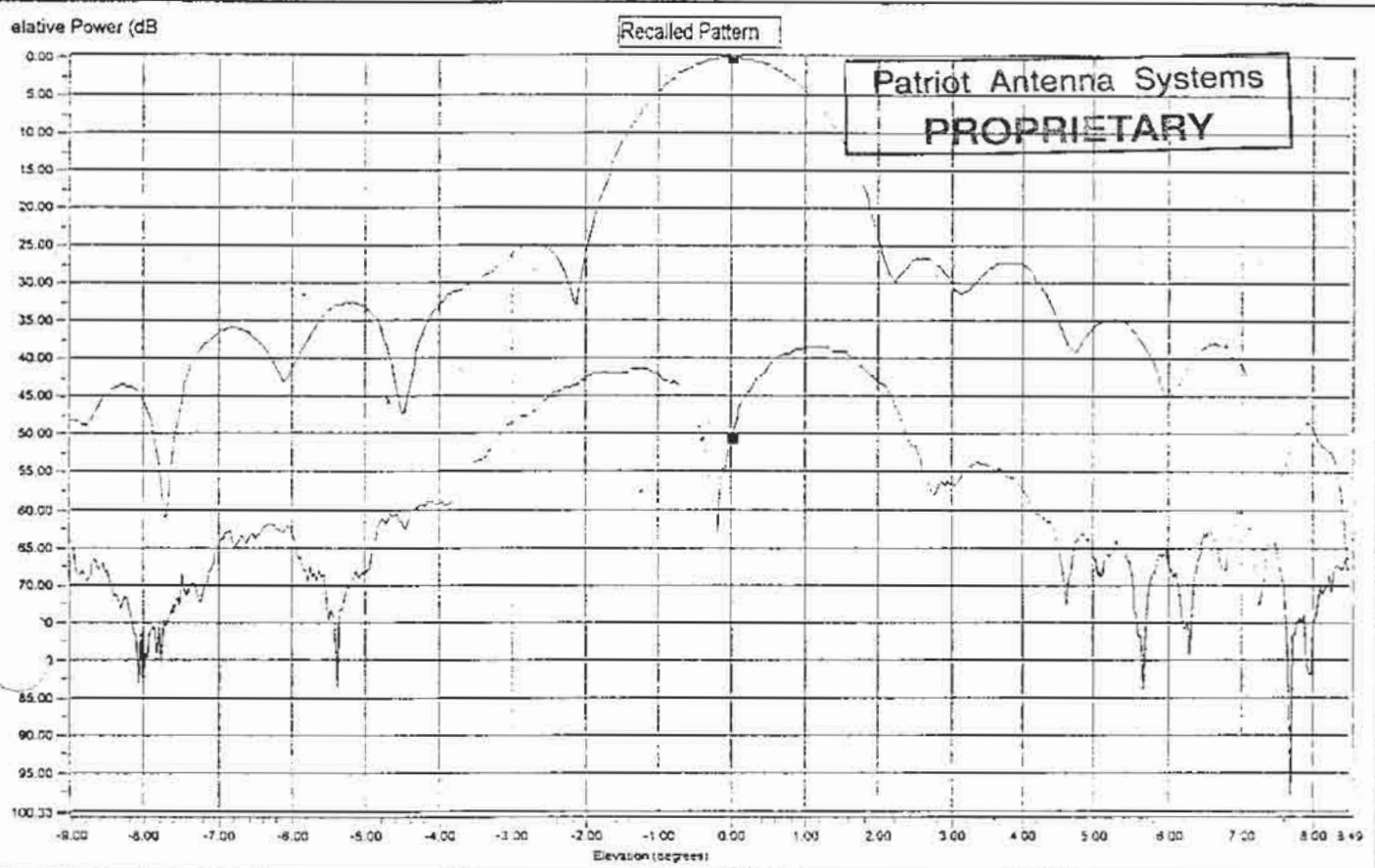
Use Ctrl-H to see information and instructions on specific fields in this panel.



CUSTOMER: PATRIOT SATELLITE: Short Range
 SITE: VertexRSI Test Range TRANSPONDER: N/A
 TENNA: Clear JOB NUMBER: Todd Weaver
 WATHER: 1.0m Ku #1 TEST ENGINEER: S4184

Comments:

Applied Curve:



Pattern Information

Frequency Band: Receive
 Polarization: HORIZONTAL
 Beginning Angle: -9.00 degrees
 Ending Angle: 8.52 degrees
 Test Frequency: 12.2500 GHz

Antenna Information

Beam Center: Azimuth: 0.00
 Elevation: 12.00
 Specified Gain: 40.67 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
 Center Frequency: 12.2500 GHz
 Video Bandwidth: 30.0000 Hz
 Reference Level: -32.27 dB
 Sweep Time: 1.35 μ sec

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

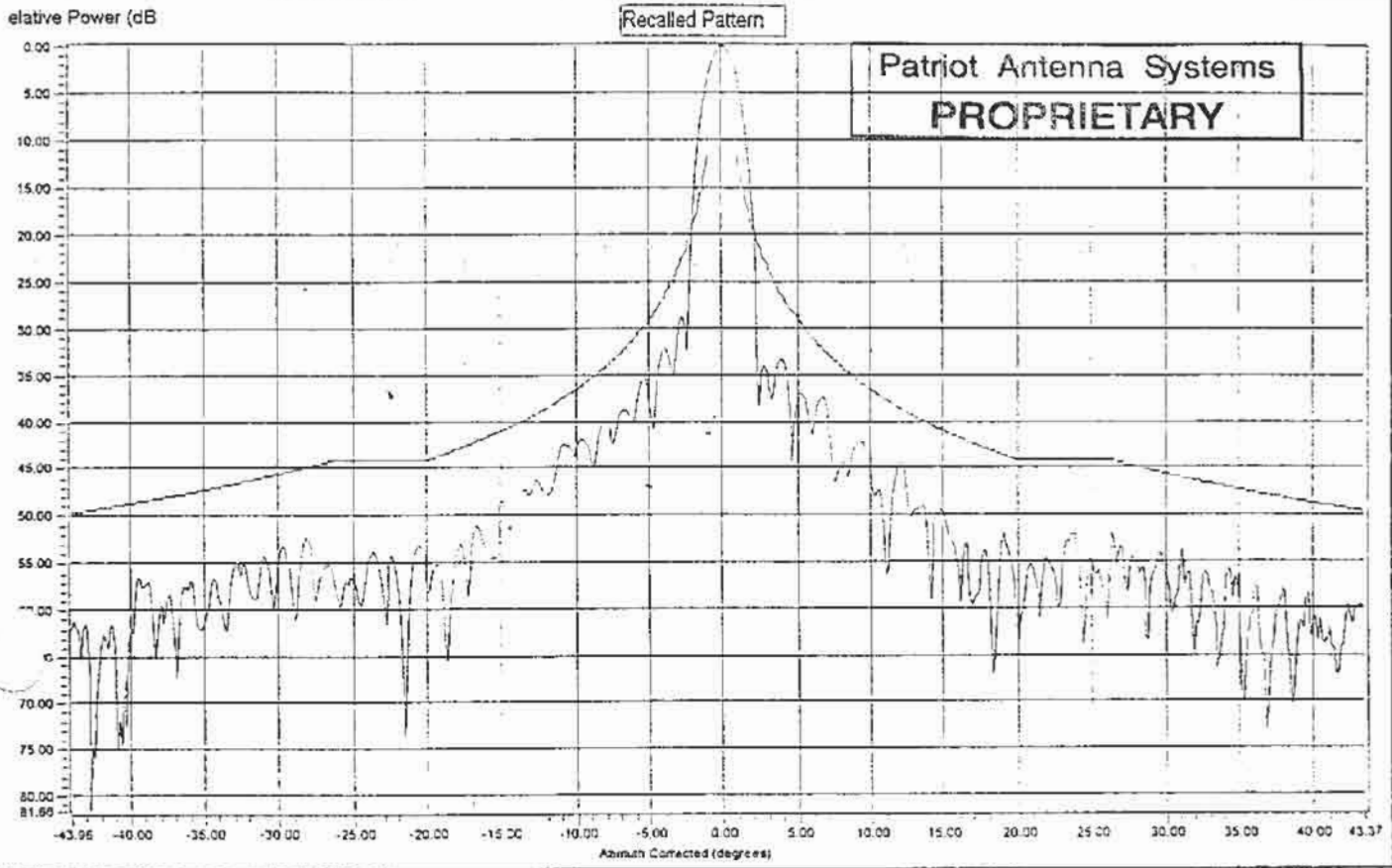


CUSTOMER: PATRIOT
 SITE: VertexRSI Test Range
 ANTENNA: Clear
 WAVELENGTH: 1.0m Ku #1

SATELLITE: Short Range
 TRANSPONDER: N/A
 JOB NUMBER: Todd Weaver
 TEST ENGINEER: S4184

Comments:

Applied Curve:



Pattern Information

Frequency Band: Receive
 Polarization: HORIZONTAL
 Beginning Angle: -45.00 degrees
 Ending Angle: 44.45 degrees
 Test Frequency: 12.2500 GHz

Antenna Information

Beam Center: Azimuth: 0.00
 Elevation: 12.00
 Specified Gain: 40.67 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
 Center Frequency: 12.2500 GHz
 Video Bandwidth: 30.0000 Hz
 Reference Level: -32.27 dB
 Sweep Time: 95.0 sec

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

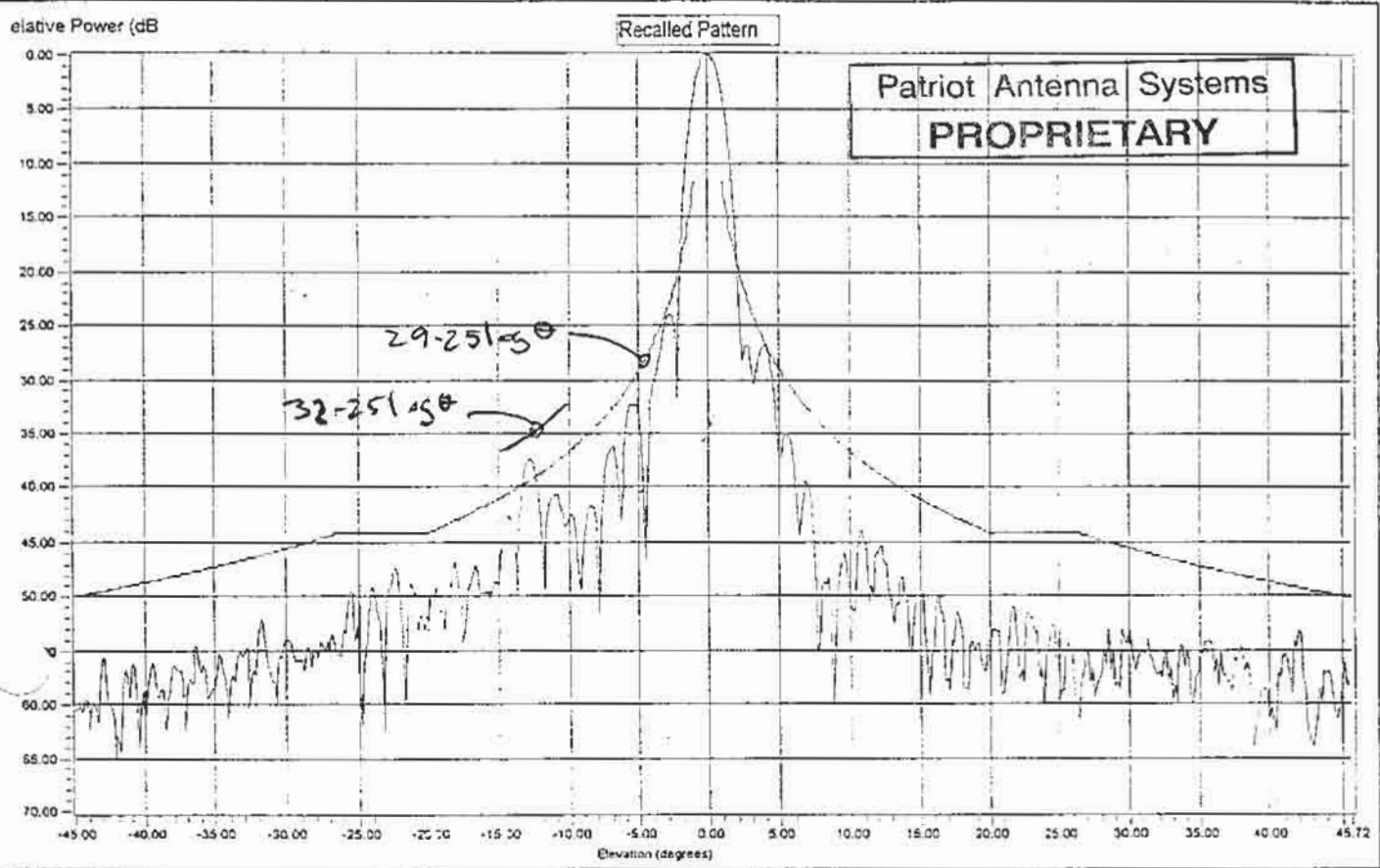


CUSTOMER: PATRIOT
 SITE: VertexRSI Test Range
 ANTENNA: Clear
 WAVELENGTH: 1.0m Ku #1

SATELLITE: Short Range
 TRANSPONDER: N/A
 JOB NUMBER: Todd Weaver
 TEST ENGINEER: S4184

Comments:

Applied Curve:



Pattern Information

Frequency Band: Receive
 Polarization: HORIZONTAL
 Beginning Angle: -45.00 degrees
 Ending Angle: 45.76 degrees
 Test Frequency: 12.2500 GHz

Antenna Information

Beam Center: Azimuth: 0.00
 Elevation: 12.00
 Specified Gain: 40.67 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
 Center Frequency: 12.2500 GHz
 Video Bandwidth: 30.0000 Hz
 Reference Level: -32.10 dB
 Sweep Time: 95.0 sec

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

CUSTOMER: PATRIOT SATELLITE: Short Range
 SITE: VertexRSi Test Range TRANSPONDER: N/A
 TENNA: Clear JOB NUMBER: Todd Weaver
 WATHER: 1.0m: Ku #1 TEST ENGINEER: S4184

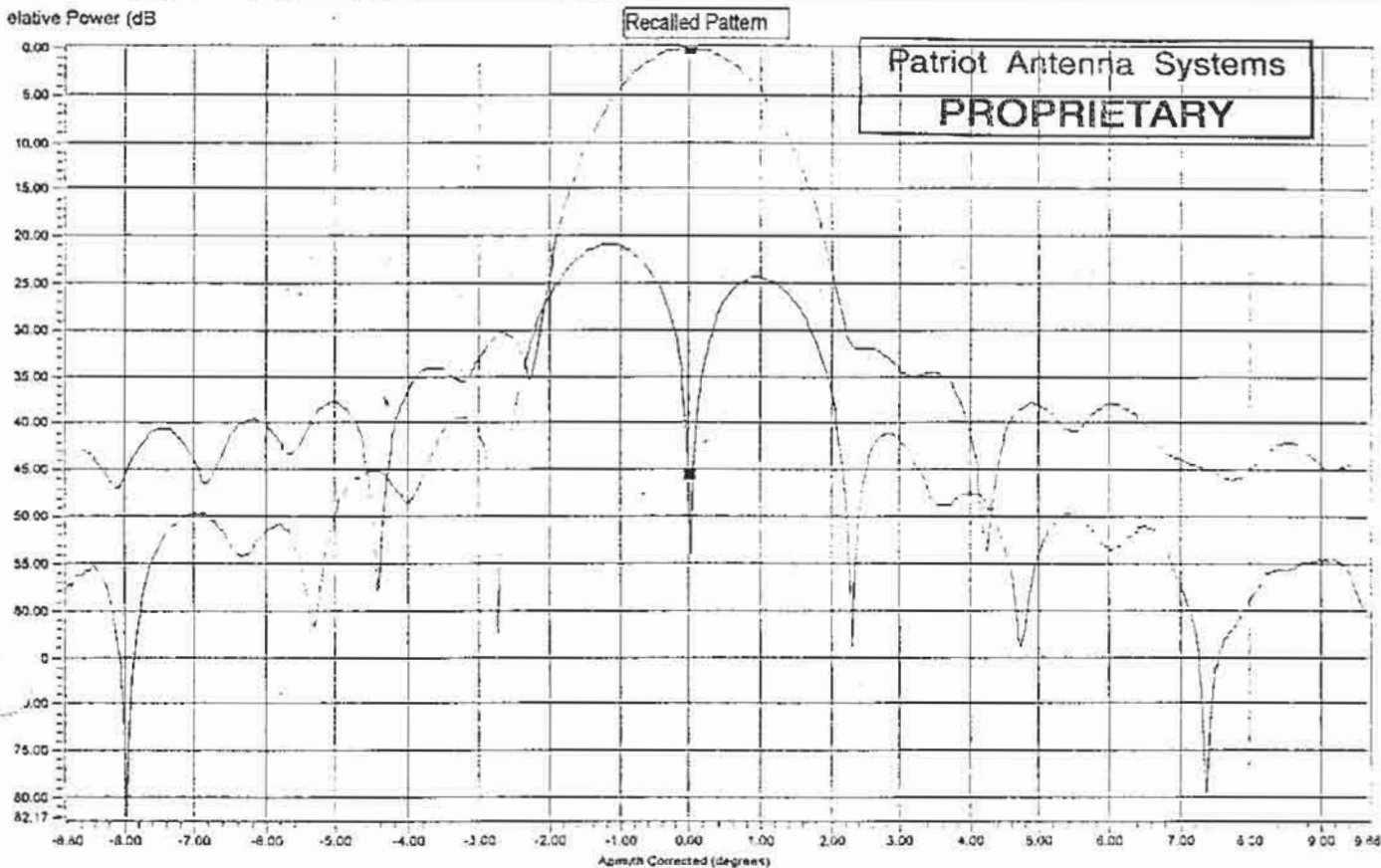
Comments:

Applied Curve:

Tool box

Recall

Exit



Pattern Information

Frequency Band: Receive
 Polarization: HORIZONTAL
 Beginning Angle: -8.80 degrees
 Ending Angle: 9.69 degrees
 Test Frequency: 12.7500 GHz

Antenna Information

Beam Center: Azimuth: 0.00
 Elevation: 12.00
 Specified Gain: 41.14 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
 Center Frequency: 12.7500 GHz
 Video Bandwidth: 30.0000 Hz
 Reference Level: -32.76 dB
 Sweep Time: 130.0 sec

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

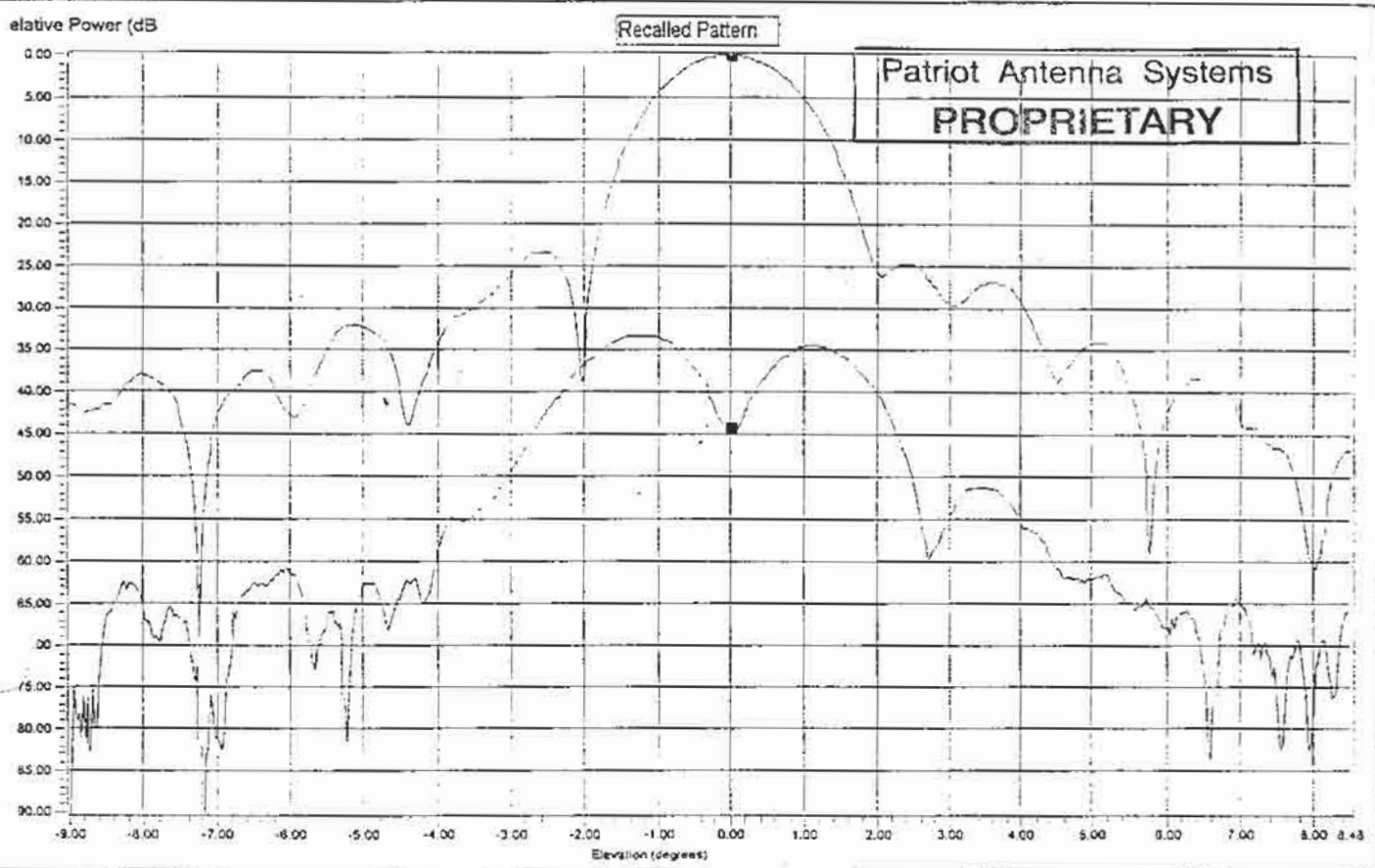


CUSTOMER: PATRIOT
 SITE: VertexRSI Test Range
 ANTENNA: Clear
 WEATHER: 1.0m Ku #1

SATELLITE: Short Range
 TRANSPONDER: N/A
 JOB NUMBER: Todd Weaver
 TEST ENGINEER: S4184

Comments:

Applied Curve:



Pattern Information

Frequency Band: Receive
 Polarization: HORIZONTAL
 Beginning Angle: -9.00 degrees
 Ending Angle: 8.51 degrees
 Test Frequency: 12.7500 GHz

Antenna Information

Beam Center: Azimuth: 0.00
 Elevation: 12.00
 Specified Gain: 41.14 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
 Center Frequency: 12.7500 GHz
 Video Bandwidth: 30.0000 Hz
 Reference Level: -32.76 dB
 Sweep Time: 135.0 sec

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



CUSTOMER: PATRIOT SATELLITE: Short Range
 SITE: VertexRSI Test Range TRANSPONDER: N/A
 ANTENNA: Clear JOB NUMBER: Todd Weaver
 WAVELENGTH: 1.0m Ku #1 TEST ENGINEER: S4184

Comments:

Applied Curve:

Tool box

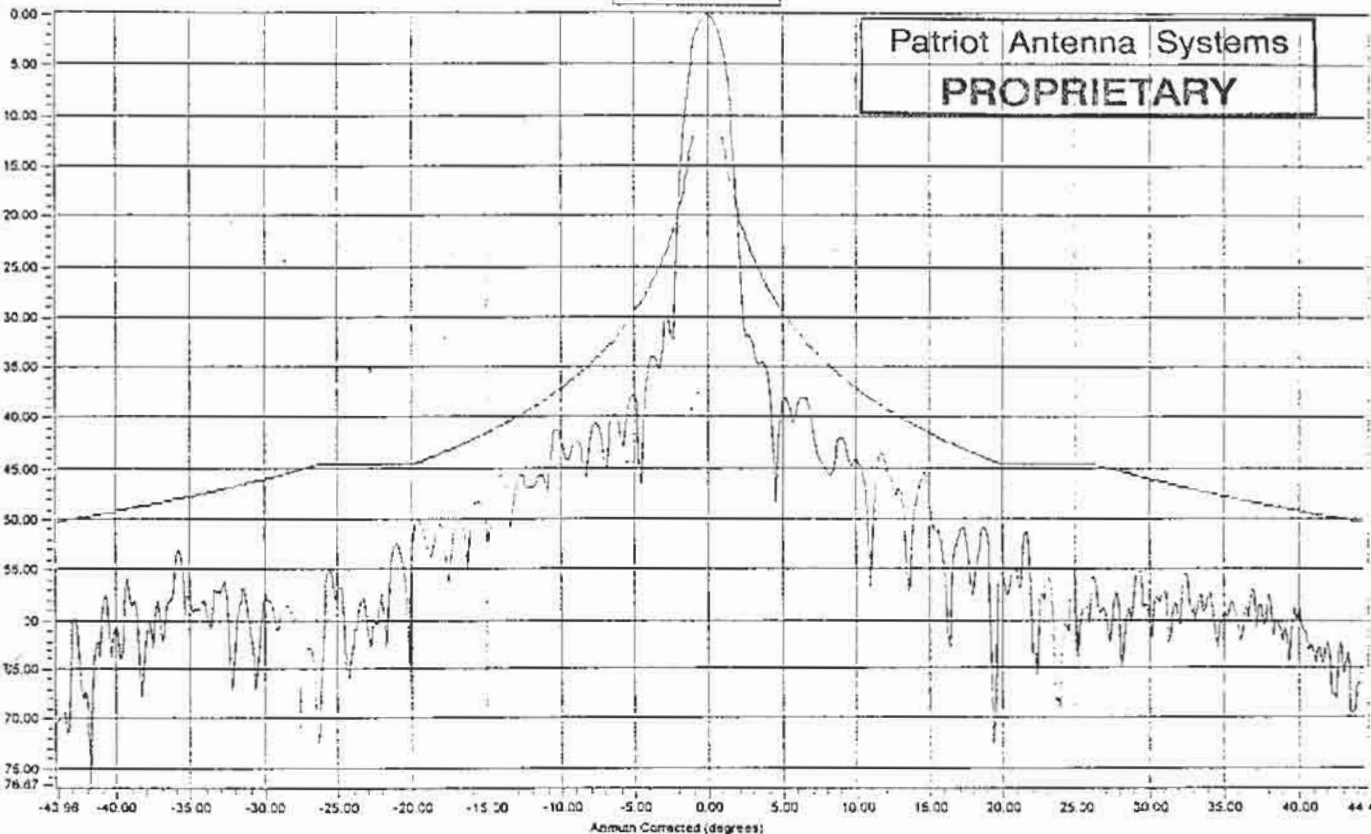
Recall

Exit

Relative Power (dB)

Recalled Pattern

Patriot Antenna Systems
PROPRIETARY



Pattern Information

Frequency Band: Receive
 Polarization: HORIZONTAL
 Beginning Angle: -45.00 degrees
 Ending Angle: 45.53 degrees
 Test Frequency: 12.7500 GHz

Antenna Information

Beam Center: Azimuth: 0.00
 Elevation: 12.00
 Specified Gain: 41.14 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
 Center Frequency: 12.7500 GHz
 Video Bandwidth: 30.0000 Hz
 Reference Level: -32.76 dB
 Sweep Time: 95.0 sec

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



CUSTOMER: PATRIOT
 SITE: VertexRSI Test Range
 ANTENNA: Clear
 WATHER: 1.0m Ku #1

SATELLITE: Short Range
 TRANSPONDER: N/A
 JOB NUMBER: Todd Weaver
 TEST ENGINEER: S4184

Comments:

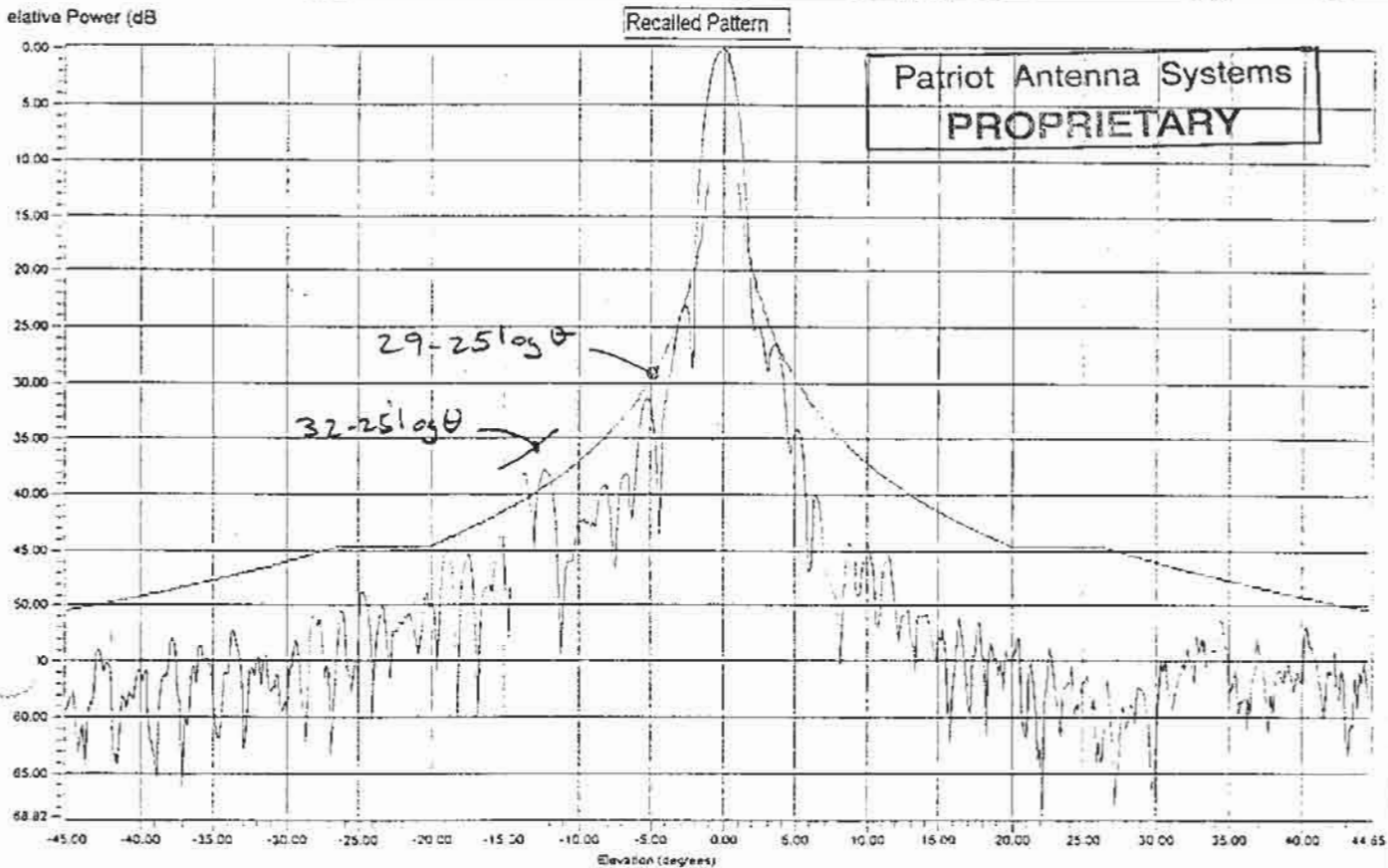
Empty text box for comments.

Applied Curve: ITU 580-5

Tool box

Recall

Exit



Pattern Information

Frequency Band: Receive
 Polarization: HORIZONTAL
 Beginning Angle: -45.00 degrees
 Ending Angle: 44.75 degrees
 Test Frequency: 12.7500 GHz

Antenna Information

Beam Center: Azimuth: 0.00
 Elevation: 12.00
 Specified Gain: 41.14 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
 Center Frequency: 12.7500 GHz
 Video Bandwidth: 30.0000 Hz
 Reference Level: -32.44 dB
 Sweep Time: 95.0 sec

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

Rx Return Loss

4 Sep 2001 .10:44:04

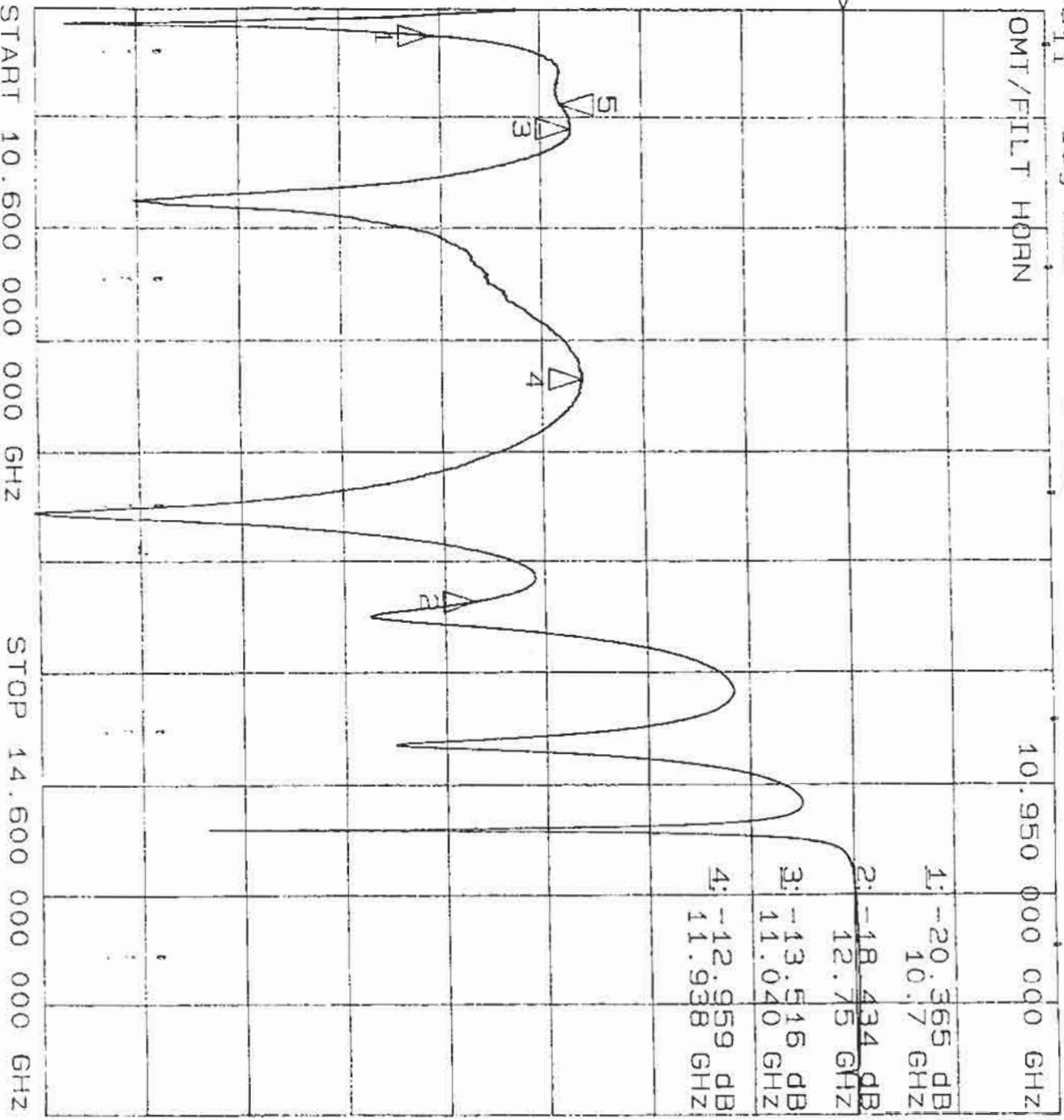
CH1 S11 10g MAG 5 dB/ REF 0 dB 5: -13.988 dB

OMT/FILT HORN

10.950 000 000 GHz

PRM
COR

1:	-20.365 dB	10.7 GHz
2:	-18.434 dB	12.75 GHz
3:	-13.516 dB	11.040 GHz
4:	-12.959 dB	11.938 GHz



START 10.600 000 000 GHz STOP 14.600 000 000 GHz

TX Return Loss

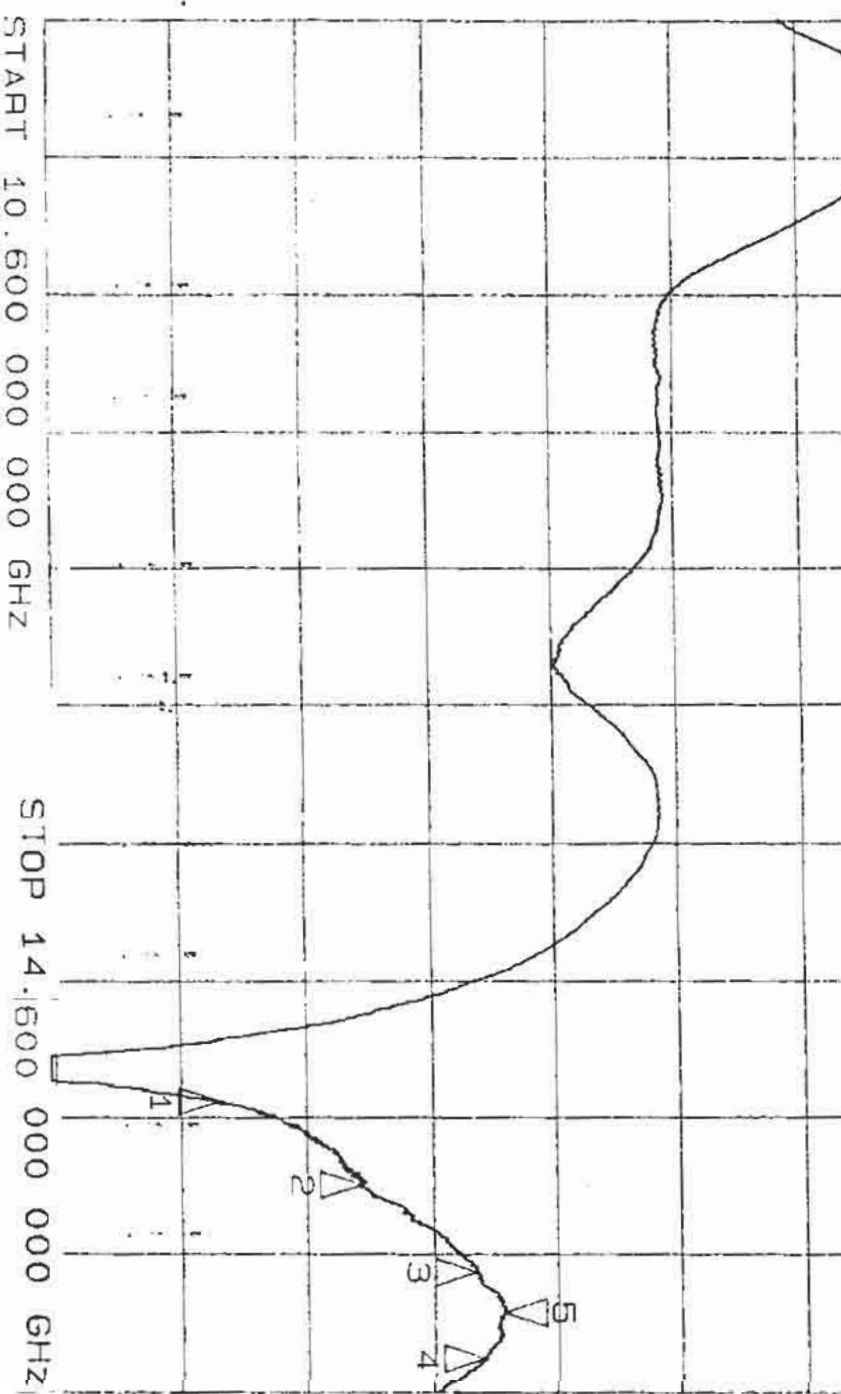
4 Sep 2001 10:41:18

CH1 S22 10g MAG 5 dB/ REF 0 dB 5: -22.182 dB

OMT/FILT HORN 14.365 200 008 GHz

PRM
COR

1:	-33.42	dB
	13.75	GHz
2:	-27.81	dB
	14	GHz
3:	-23.277	dB
	14.25	GHz
4:	-22.964	dB
	14.5	GHz

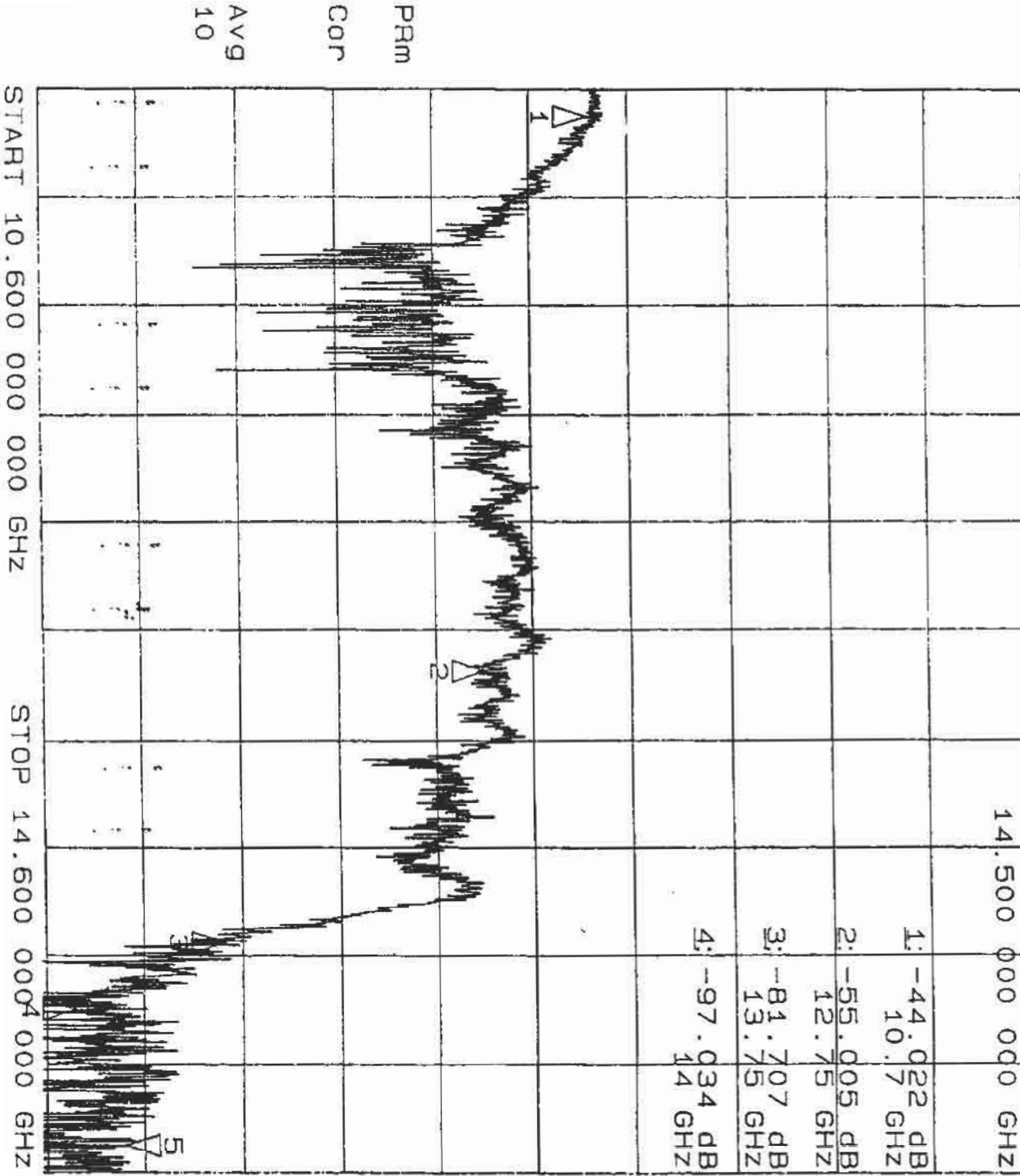


↑

Tx - Rx Isolation

4 Sep 2001 10: 47: 07

CH2 S21 10g MAG 10 dB/ REF 0 dB 5: -91.864 dB



PRM
COR
AVG
10