

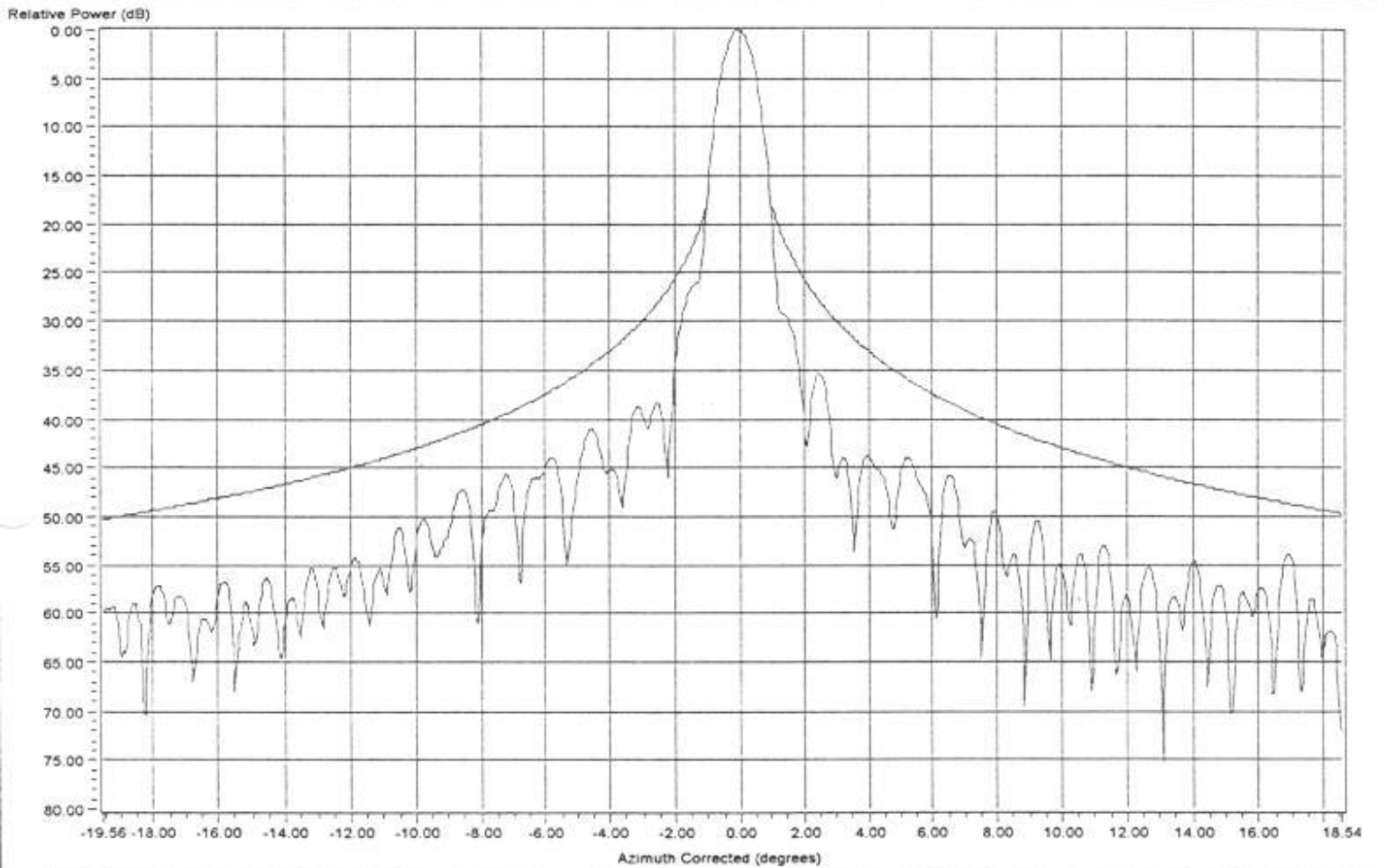
CUSTOMER:	PATRIOT	SATELLITE:	SHORT RANGE
SITE:	VertexRSI	TRANSPONDERS:	N/A
WEATHER:	CLEAR	JOB NUMBER:	S4364
ANTENNA:	1.8M	TEST ENGINEER:	TIM PAYTON

Comments:

**Copolarization Pattern and Applied Curve**

Save pattern

Applied Curve: ITU 580-5


**Pattern Information**

Frequency Band:	Transmit
Polarization:	HORIZONTAL
Beginning Angle:	-20.00 degrees
Ending Angle:	18.98 degrees
Test Frequency:	14.1250 GHz

**Antenna Information**

Beam Center:	Azimuth:	0.000 deg
	Elevation:	12.000 deg
Specified Gain:		47.00 dB

**Spectrum Analyzer Information**

Resolution Bandwidth:	30.0000 Hz
Video Bandwidth:	3.0000 Hz
Sweep Time:	56.0 sec
Reference Level:	-19.90 dB
Center Frequency:	14.1250 GHz
Span:	0.0000 Hz

VertexRSI Representative

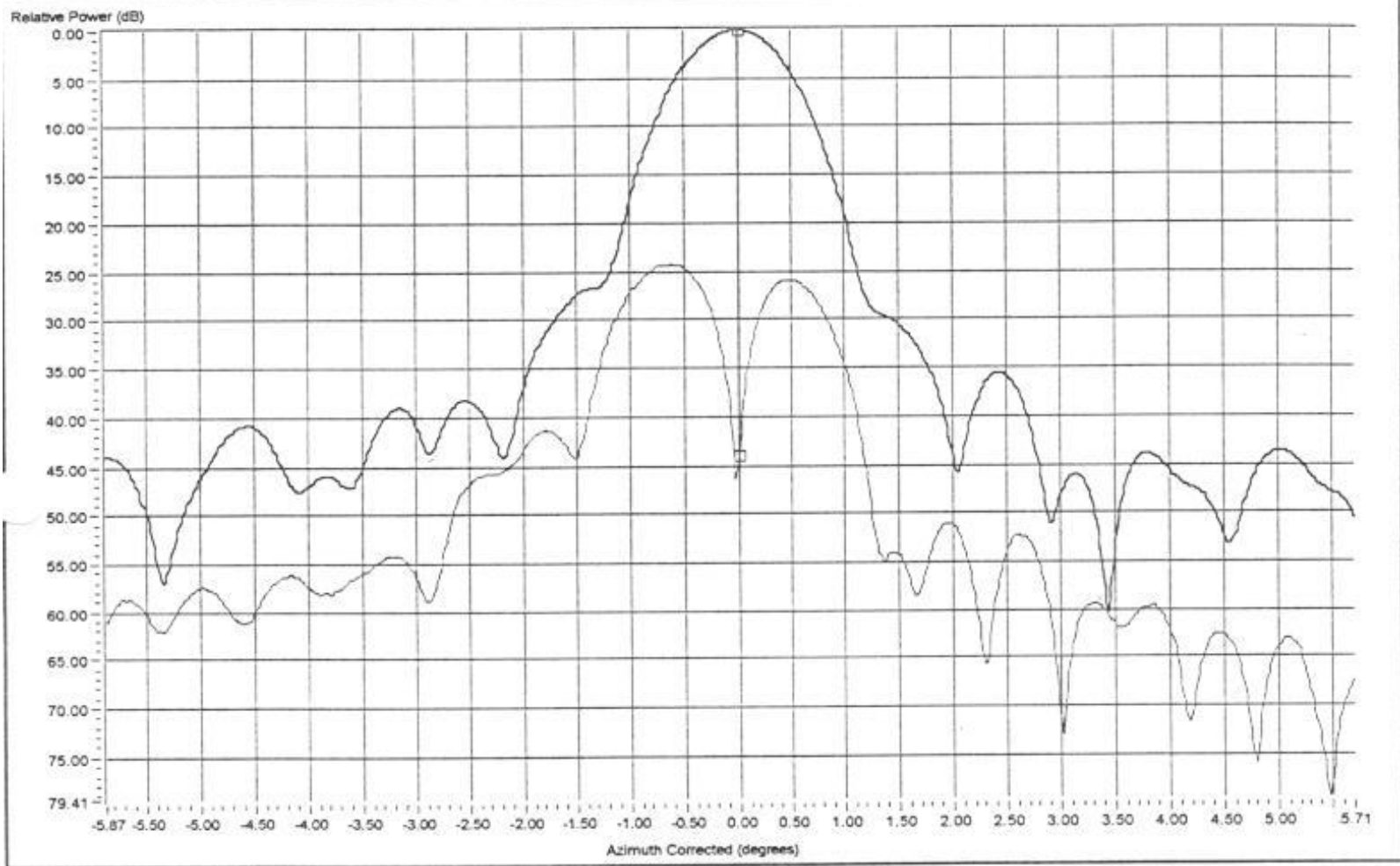
Representative

STOMER: PATRIOT                      SATELLITE: SHORT RANGE  
 SITE: VertexRSI                        TRANSPONDERS: N/A  
 WEATHER: CLEAR                        JOB NUMBER: S4364  
 ANTENNA: 1.8M                         TEST ENGINEER: TIM PAYTON

Comments:




**Cross Polarization Isolation and Applied Curve**


 Applied Curve: 



**Pattern Information**

Frequency Band: Transmit  
 Polarization: HORIZONTAL  
 Beginning Angle: -5.87 degrees  
 Ending Angle: 5.72 degrees  
 Test Frequency: 14.1250 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: 47.00 dB

**Spectrum Analyzer Information**

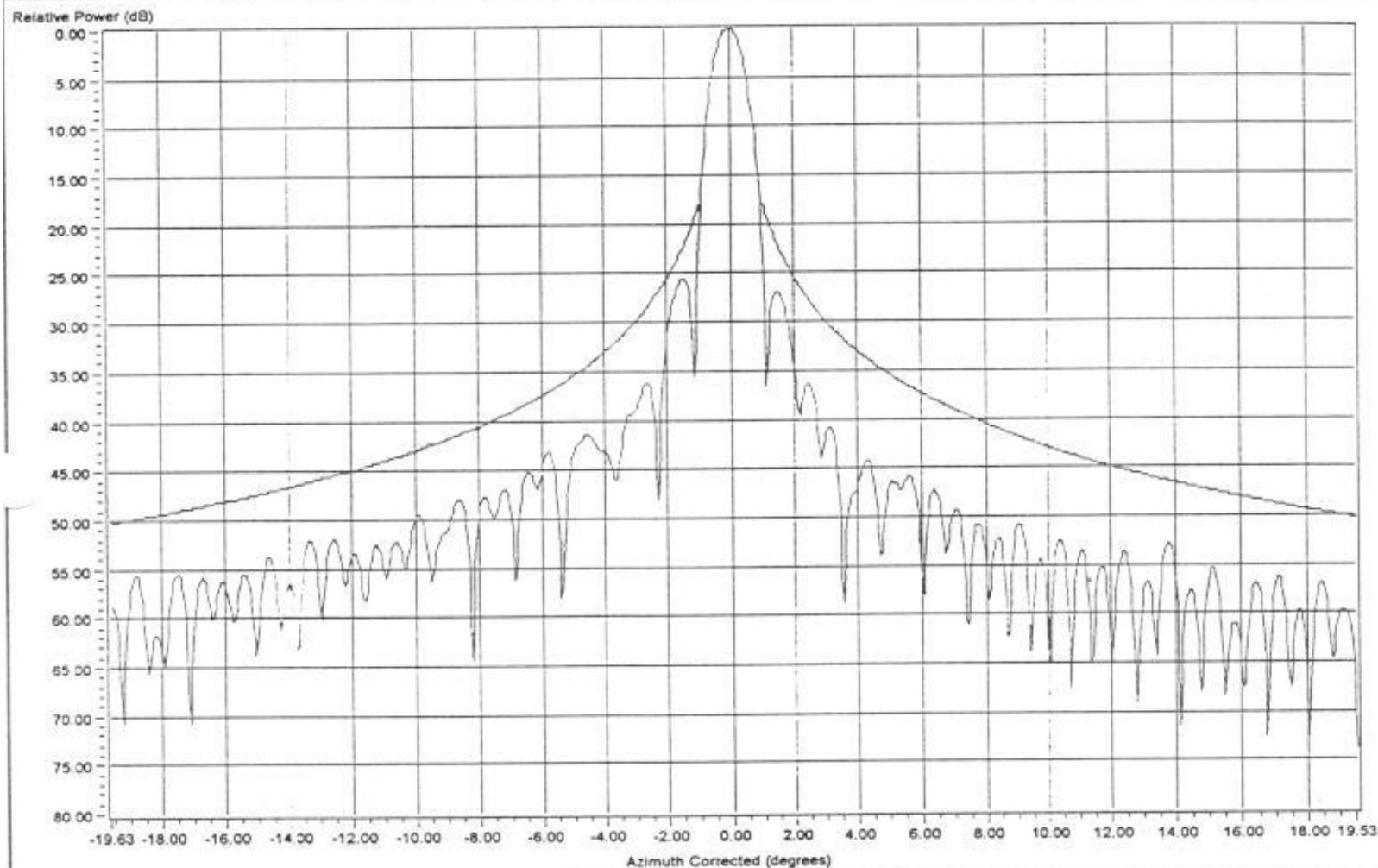
Resolution Bandwidth: 30.0000 Hz  
 Video Bandwidth: 3.0000 Hz  
 Sweep Time: 110.0 sec  
 Reference Level: -19.39 dB  
 Center Frequency: 14.1250 GHz  
 Span: 0.0000 Hz

VertexRSI Representative \_\_\_\_\_ Representative

CUSTOMER: PATRIOT                      SATELLITE: SHORT RANGE  
 SITE: VertexRSI TEST RANGE            TRANSPONDERS: N/A  
 WEATHER: OVERCAST                      JOB NUMBER: S4364  
 ANTENNA: ~~DUAL OPTIC 1.2m KU 12~~ <sup>1.8m</sup>      TEST ENGINEER: TIM PAYTON

Comments:


**Copolarization Pattern and Applied Curve**

 Applied Curve: 

**Pattern Information**

Frequency Band: Transmit  
 Polarization: VERTICAL  
 Beginning Angle: -20.00 degrees  
 Ending Angle: 20.09 degrees  
 Test Frequency: 14.1250 GHz

**Antenna Information**

Beam Center: Azimuth: 0.000 deg  
                   Elevation: 12.000 deg  
 Specified Gain: 47.00 dB

**Spectrum Analyzer Information**

Resolution Bandwidth: 30.0000 Hz  
 Video Bandwidth: 3.0000 Hz  
 Sweep Time: 57.0 sec  
 Reference Level: -20.28 dB  
 Center Frequency: 14.2500 GHz  
 Span: 0.0000 Hz

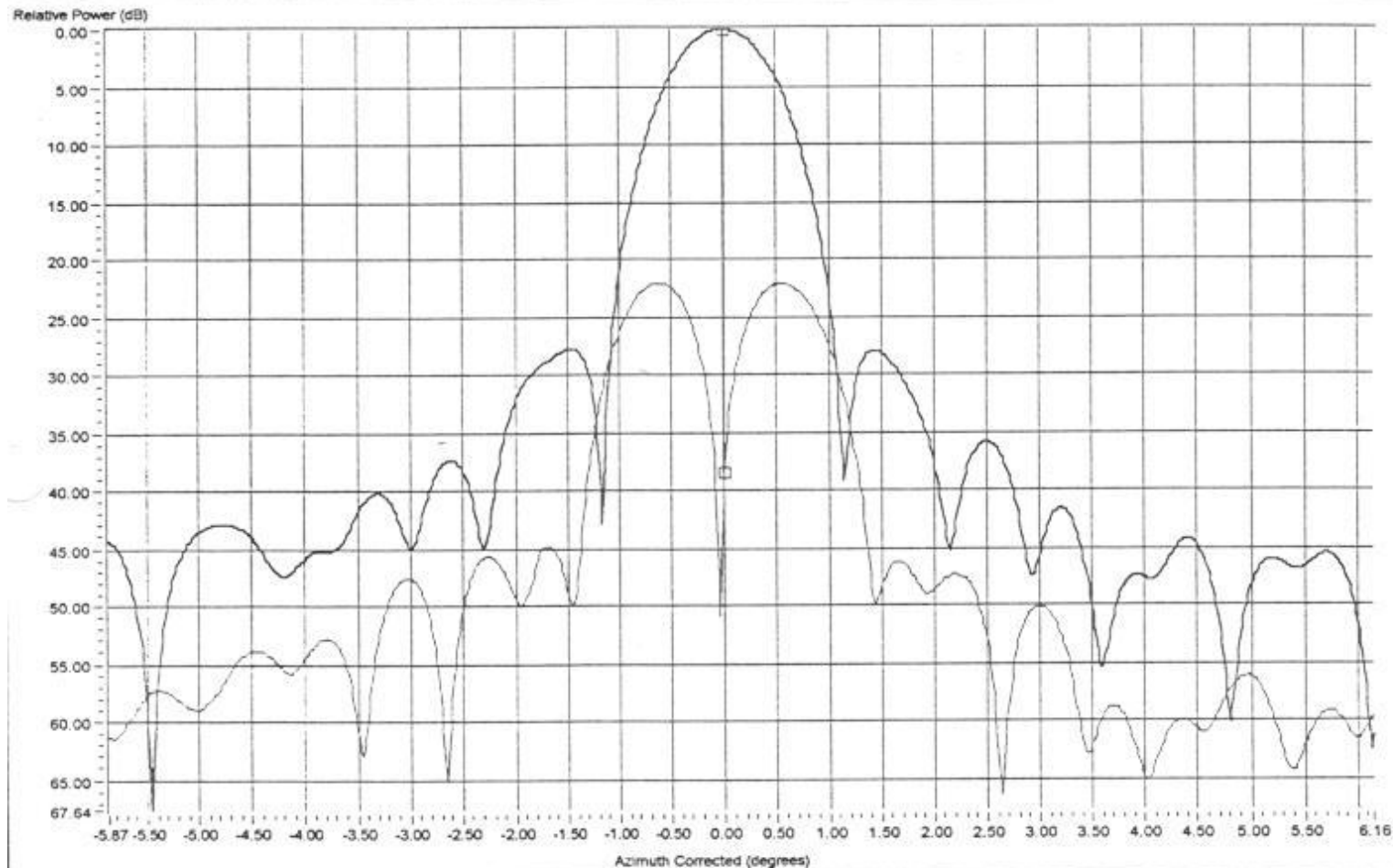
VertexRSI Representative

Representative

CUSTOMER: PATRIOT                      SATELLITE: SHORT RANGE  
 SITE: VertexRSI TEST RANGE            TRANSPONDERS: N/A  
 WEATHER: OVERCAST                      JOB NUMBER: S4364  
 ANTENNA: ~~PHASED ARRAY KU~~ <sup>1.8m</sup>      TEST ENGINEER: TIM PAYTON

Comments:

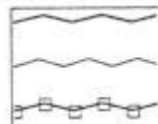
Cross Polarization Isolation and Applied Curve

 Applied Curve: 

**Pattern Information**

Frequency Band: Transmit  
 Polarization: VERTICAL  
 Beginning Angle: -5.87 degrees  
 Ending Angle: 6.17 degrees  
 Test Frequency: 14.1250 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: 47.00 dB

**Spectrum Analyzer Information**

Resolution Bandwidth: 30.0000 Hz  
 Video Bandwidth: 3.0000 Hz  
 Sweep Time: 110.0 sec  
 Reference Level: -19.37 dB  
 Center Frequency: 14.1250 GHz  
 Span: 0.0000 Hz

VertexRSI Representative

Representative