

VERITAS 3.1 REVISED BY ALAN B. POLLARD

Time of Pattern: Friday, October 20, 2000 11:01 AM

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

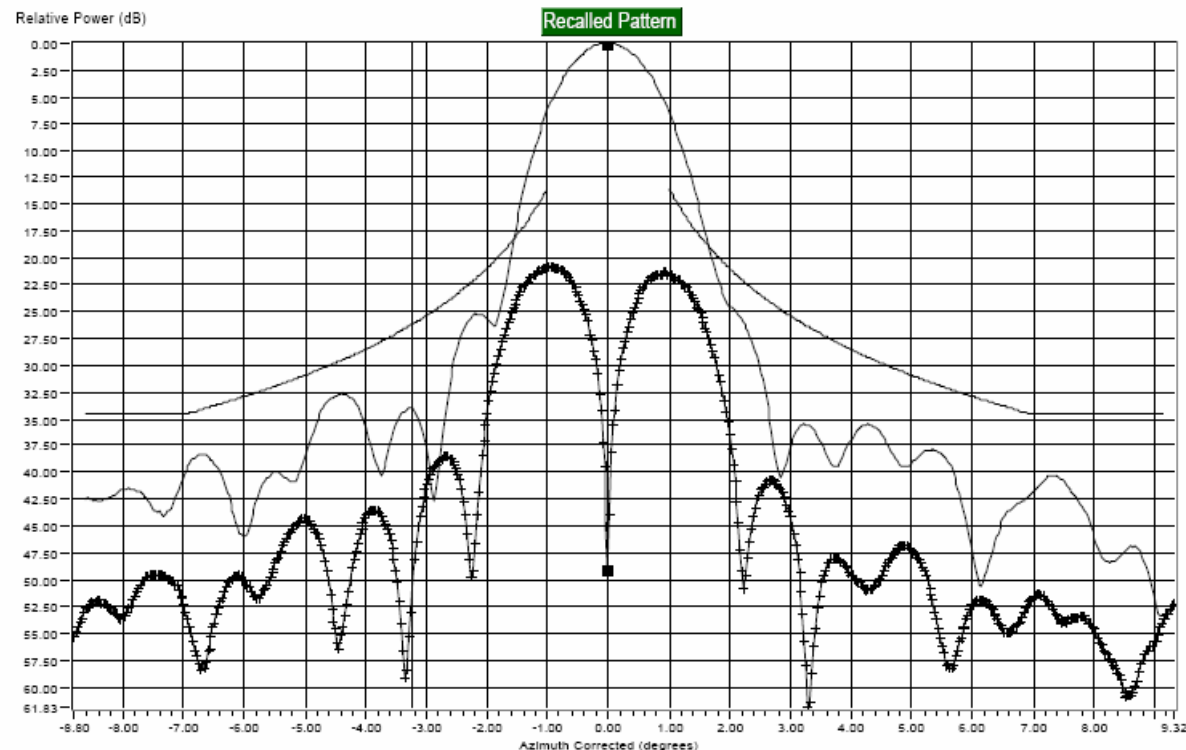
Comments:

Applied Curve: FCC

Tool box

OK

Exit



Pattern Information

Frequency Band: Transmit
Polarization: HORIZONTAL

Beginning Angle: -8.80 degrees
Ending Angle: 9.35 degrees
Test Frequency: 14.5000 GHz

Antenna Information

Beam Center: Azimuth: 0.00
Elevation: 12.00
Specified Gain: 42.47 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
Center Frequency: 14.5000 GHz
Video Bandwidth: 30.0000 Hz
Reference Level: -30.50 dB
Sweep Time: 130.0 sec

VERITAS 3.1 REVISED BY ALAN B. POLLARD

Time of Pattern:

Friday, October 20, 2000 8:31 AM

CUSTOMER: PATRIOT

SATELLITE: Short Range

Comments:

SITE: VertexRSI Test Range

TRANSPONDER: N/A

ANTENNA: 1.0m Ku #1

JOB NUMBER: S4184

WEATHER: Clear

TEST ENGINEER: Todd Weaver

 Applied Curve:  FCC

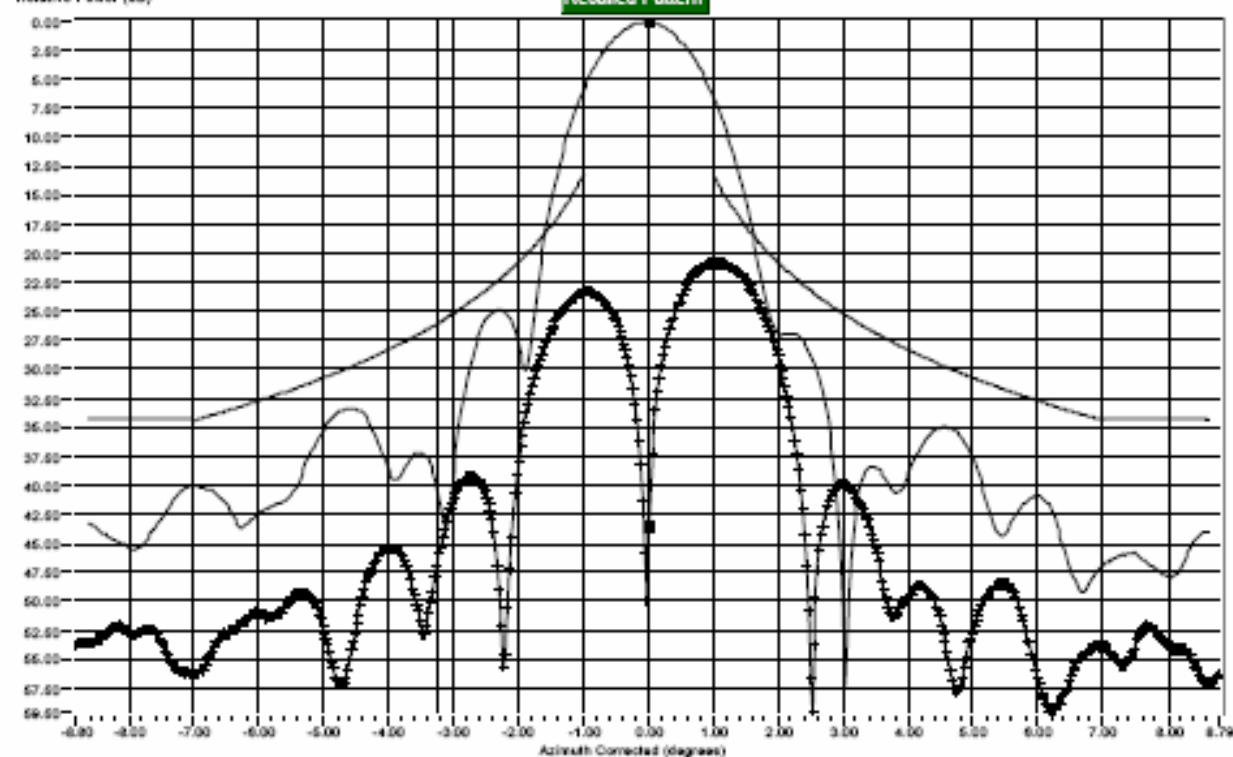
Tool box

OK

Exit

Relative Power (dB)

Recalled Pattern


Pattern Information

Frequency Band: Transmit
 Polarization: HORIZONTAL
 Beginning Angle: -8.80 degrees
 Ending Angle: 8.82 degrees
 Test Frequency: 13.7500 GHz

Antenna Information

Beam Center: Azimuth: 0.00
 Elevation: 12.00
 Specified Gain: 42.28 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
 Center Frequency: 13.7500 GHz
 Video Bandwidth: 30.0000 Hz
 Reference Level: -33.30 dB
 Sweep Time: 130.0 sec

VERITAS 3.1 REVISED BY ALAN B. POLLARD

Time of Pattern: Thursday, October 19, 2000 4:40 PM

CUSTOMER: PATRIOT

SATELLITE: Short Range

Comments:

SITE: VertexRSI Test Range

TRANSPONDER: N/A

ANTENNA: 1.0m Ku #1

JOB NUMBER: S4184

WEATHER: Clear

TEST ENGINEER: Todd Weaver

Applied Curve: FCC

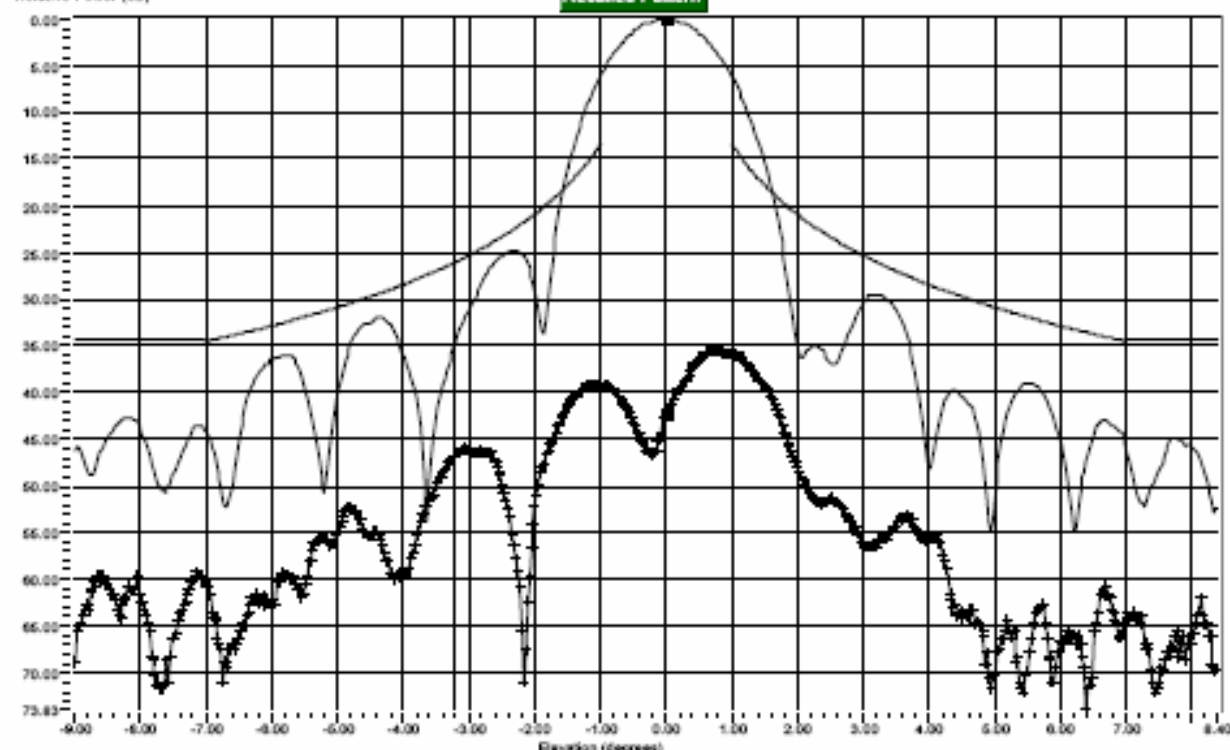
Tool box

Recall

Exit

Relative Power (dB)

Recalled Pattern



Pattern Information

Frequency Band: Transmit
Polarization: HORIZONTAL

Beginning Angle: -9.00 degrees
Ending Angle: 8.41 degrees
Test Frequency: 14.2500 GHz

Antenna Information

Beam Center: Azimuth: 0.00
Elevation: 12.00
Specified Gain: 42.38 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
Center Frequency: 14.2500 GHz
Video Bandwidth: 30.0000 Hz
Reference Level: -46.60 dB
Sweep Time: 135.0 sec

VERITAS 3.1 REVISED BY ALAN B. POLLARD

Time of Pattern: Friday, October 20, 2000 9:56 AM

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

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

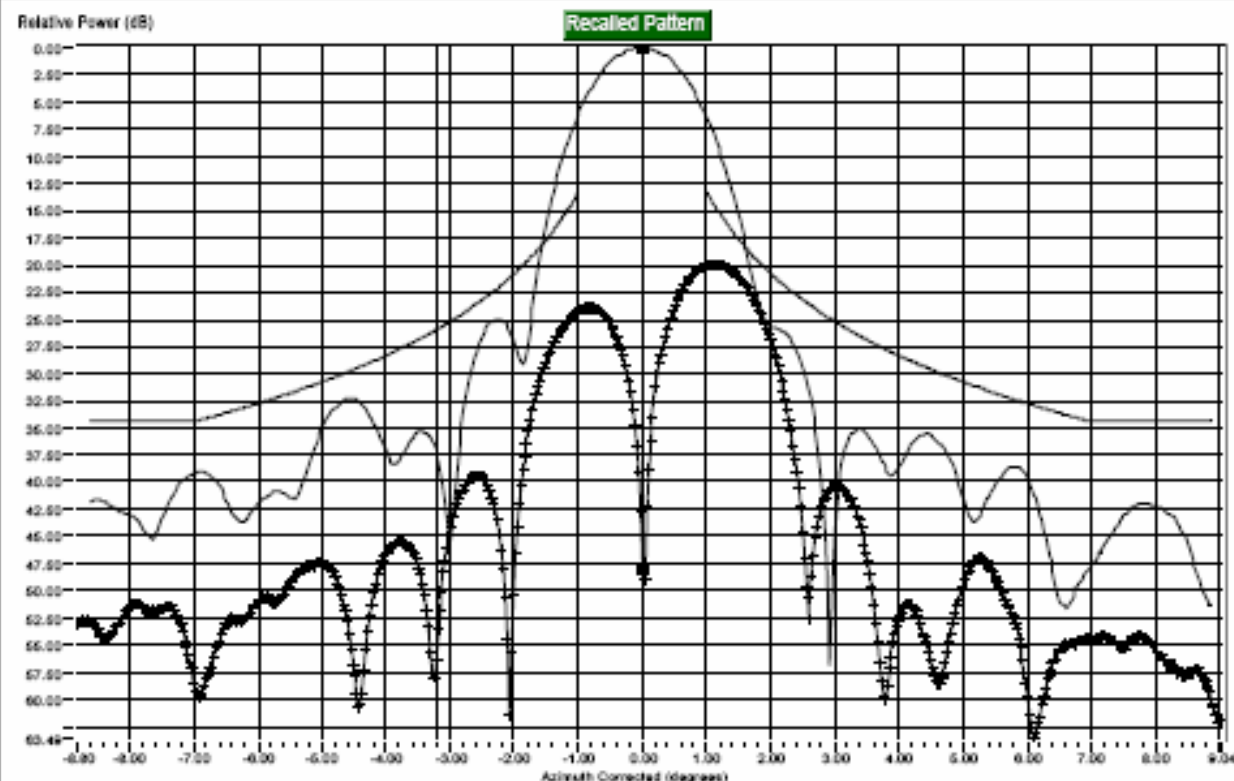
Comments:

 Applied Curve:

Tool box

OK

Exit


Pattern Information

Frequency Band: Transmit
 Polarization: HORIZONTAL
 Beginning Angle: -8.80 degrees
 Ending Angle: 9.07 degrees
 Test Frequency: 14.0000 GHz

Antenna Information

Beam Center: Azimuth: 0.00
 Elevation: 12.00
 Specified Gain: 42.29 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
 Center Frequency: 14.0000 GHz
 Video Bandwidth: 30.0000 Hz
 Reference Level: -38.44 dB
 Sweep Time: 130.0 sec

VERITAS 3.1 REVISED BY ALAN B. POLLARD

Time of Pattern:

Friday, October 20, 2000 11:09 AM

CUSTOMER: PATRIOT

SATELLITE: Short Range

Comments:

SITE: VertexRSI Test Range

TRANSPONDER: N/A

ANTENNA: 1.0m Ku #1

JOB NUMBER: S4184

WEATHER: Clear

TEST ENGINEER: Todd Weaver

Applied Curve: FCC

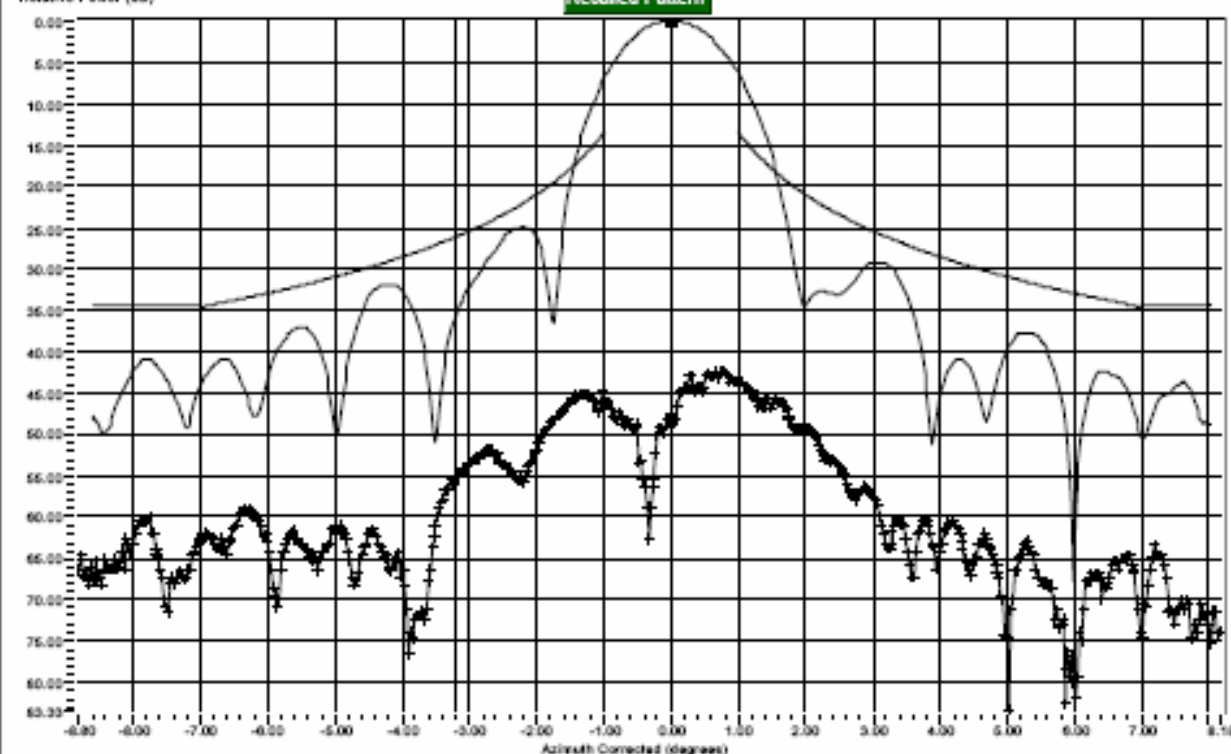
Tool box

OK

Exit

Relative Power (dB)

Recalled Pattern



Pattern Information

Frequency Band: Transmit
Polarization: HORIZONTAL

Beginning Angle: -8.80 degrees
Ending Angle: 8.21 degrees
Test Frequency: 14.5000 GHz

Antenna Information

Beam Center: Azimuth: 0.00
Elevation: 12.00
Specified Gain: 42.47 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
Center Frequency: 14.5000 GHz
Video Bandwidth: 30.0000 Hz
Reference Level: -30.50 dB
Sweep Time: 135.0 sec

VERITAS 3.1

REVISED BY ALAN B. POLLARD

TITLE OF TEST:

CUSTOMER: PATRIOT

SATELLITE: Short Range

Comments:

SITE VertexRSI Test Range

TRANSPONDER: N/A

ANTENNA: 1.0m Ku #1

JOB NUMBER: S4184

WEATHER: Clear

TEST ENGINEER: Todd Weaver

Applied Curve:  FCC

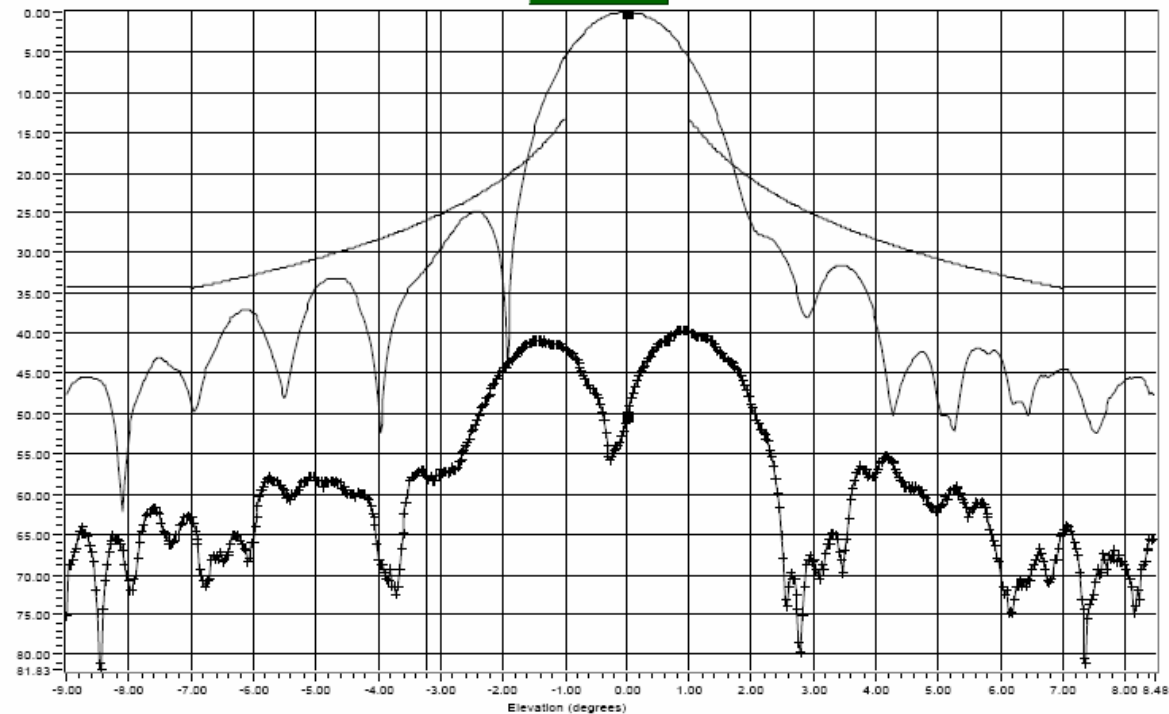
Tool box

OK

Exit

Relative Power (dB)

Recalled Pattern

**Pattern Information**

Frequency Band: Transmit
Polarization: HORIZONTAL
Beginning Angle: -9.00 degrees
Ending Angle: 8.49 degrees

Antenna Information

Beam Center: Azimuth: 0.00
Elevation: 12.00
Specified Gain: 42.28 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
Center Frequency: 13.7500 GHz
Video Bandwidth: 30.0000 Hz
Reference Level: -33.30 dB

VERITAS 3.1 REVISED BY ALAN B. POLLARD

Time of Pattern:

Thursday, October 19, 2000 4:31 PM

CUSTOMER: PATRIOT

SATELLITE: Short Range

Comments:

SITE: VertexRSI Test Range

TRANSPONDER: N/A

ANTENNA: 1.0m Ku #1

JOB NUMBER: S4184

WEATHER: Clear

TEST ENGINEER: Todd Weaver

Applied Curve:

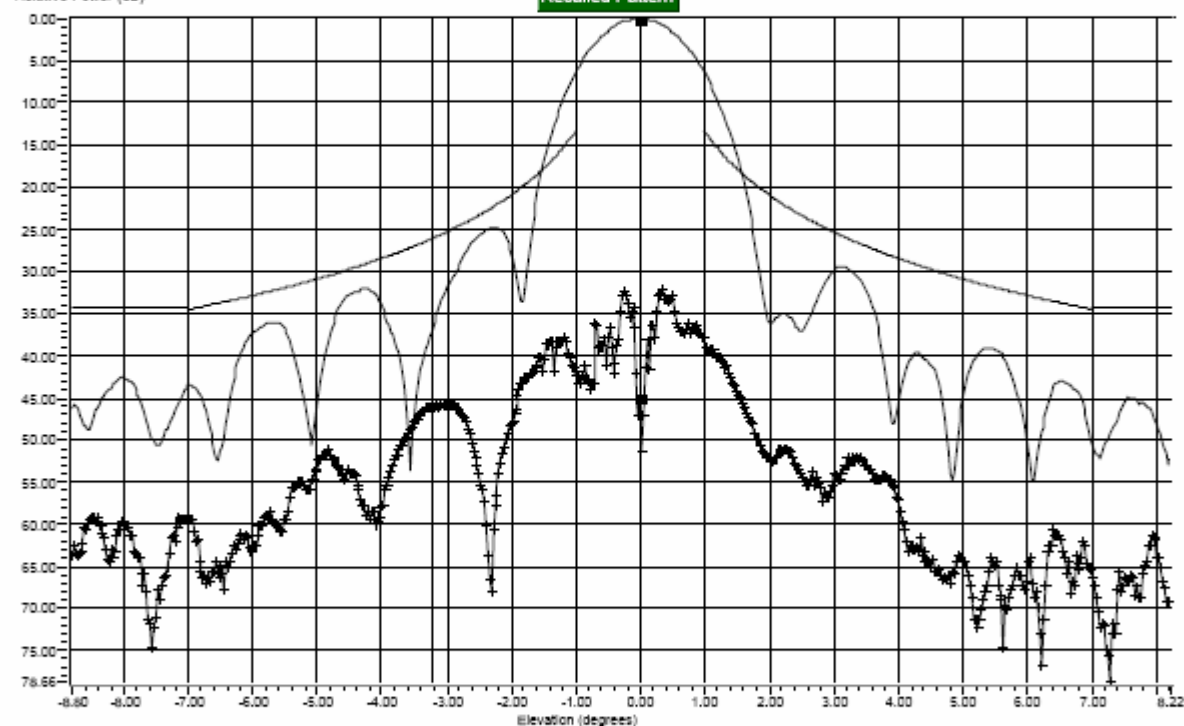
Tool box

OK

Exit

Relative Power (dB)

Recalled Pattern



Pattern Information

Frequency Band: Transmit
Polarization: HORIZONTAL
Beginning Angle: -8.80 degrees
Ending Angle: 8.23 degrees
Test Frequency: 14.2500 GHz

Antenna Information

Beam Center: Azimuth: 0.00
Elevation: 12.00
Specified Gain: 42.38 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
Center Frequency: 14.2500 GHz
Video Bandwidth: 30.0000 Hz
Reference Level: -46.60 dB
Sweep Time: 135.0 sec

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

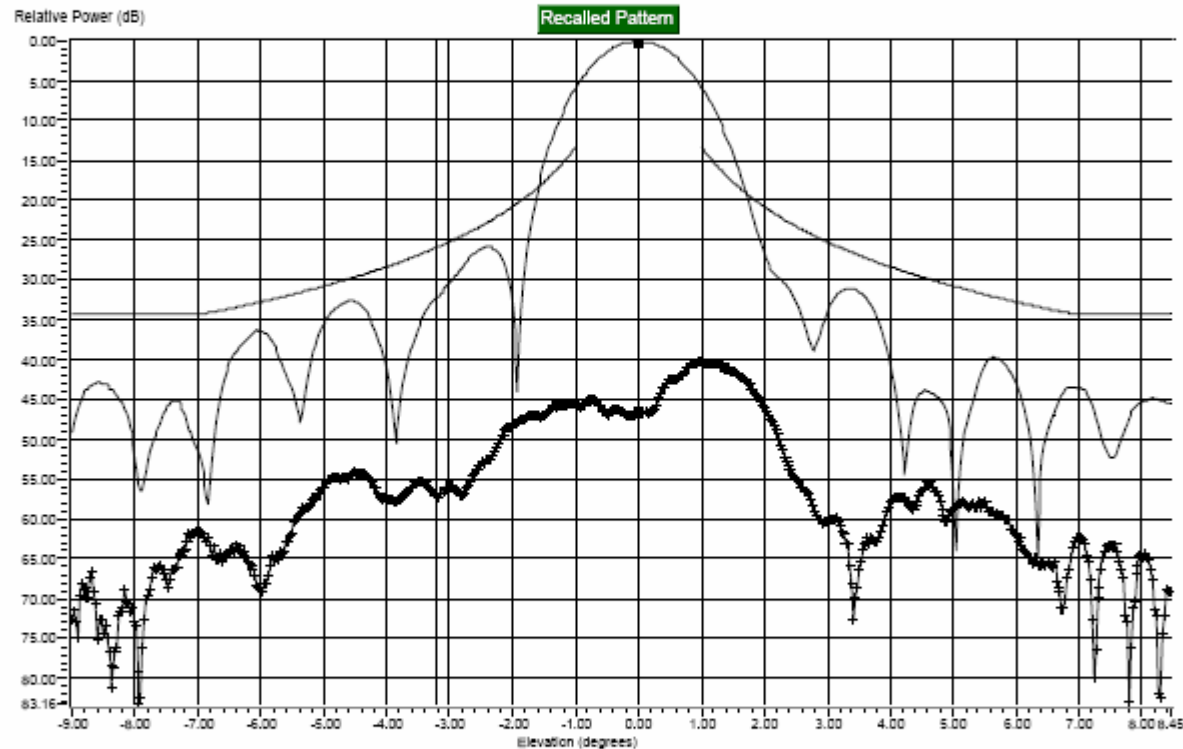
Comments:

Applied Curve:

Tool box

OK

Exit



Pattern Information

Frequency Band: Transmit
Polarization: HORIZONTAL
Beginning Angle: -9.00 degrees
Ending Angle: 8.47 degrees
Test Frequency: 14.0000 GHz

Antenna Information

Beam Center: Azimuth: 0.00
Elevation: 12.00
Specified Gain: 42.29 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
Center Frequency: 14.0000 GHz
Video Bandwidth: 30.0000 Hz
Reference Level: -38.27 dB
Sweep Time: 135.0 sec

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

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

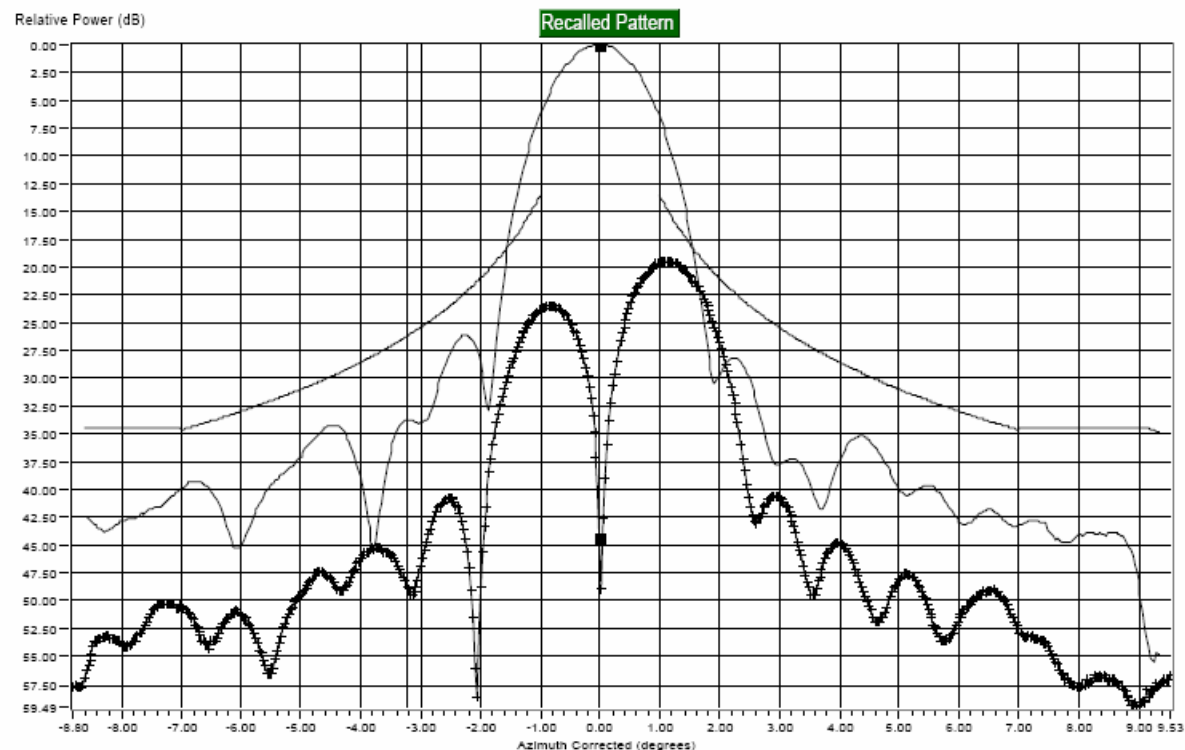
Comments:

Applied Curve: FCC

Tool box

OK

Exit



Pattern Information

Frequency Band: Transmit
Polarization: VERTICAL

Beginning Angle: -8.80 degrees
Ending Angle: 9.56 degrees
Test Frequency: 14.5000 GHz

Antenna Information

Beam Center: Azimuth: 0.00
Elevation: 12.00

Specified Gain: 42.50 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
Center Frequency: 14.5000 GHz
Video Bandwidth: 30.0000 Hz
Reference Level: -28.94 dB
Sweep Time: 130.0 sec

CUSTOMER: PATRIOT

SATELLITE: Short Range

Comments:

SITE VertexRSI Test Range

TRANSPONDER: N/A

ANTENNA: 1.0m Ku #1

JOB NUMBER: S4184

WEATHER: Clear

TEST ENGINEER: Todd Weaver

 Applied Curve:  FCC

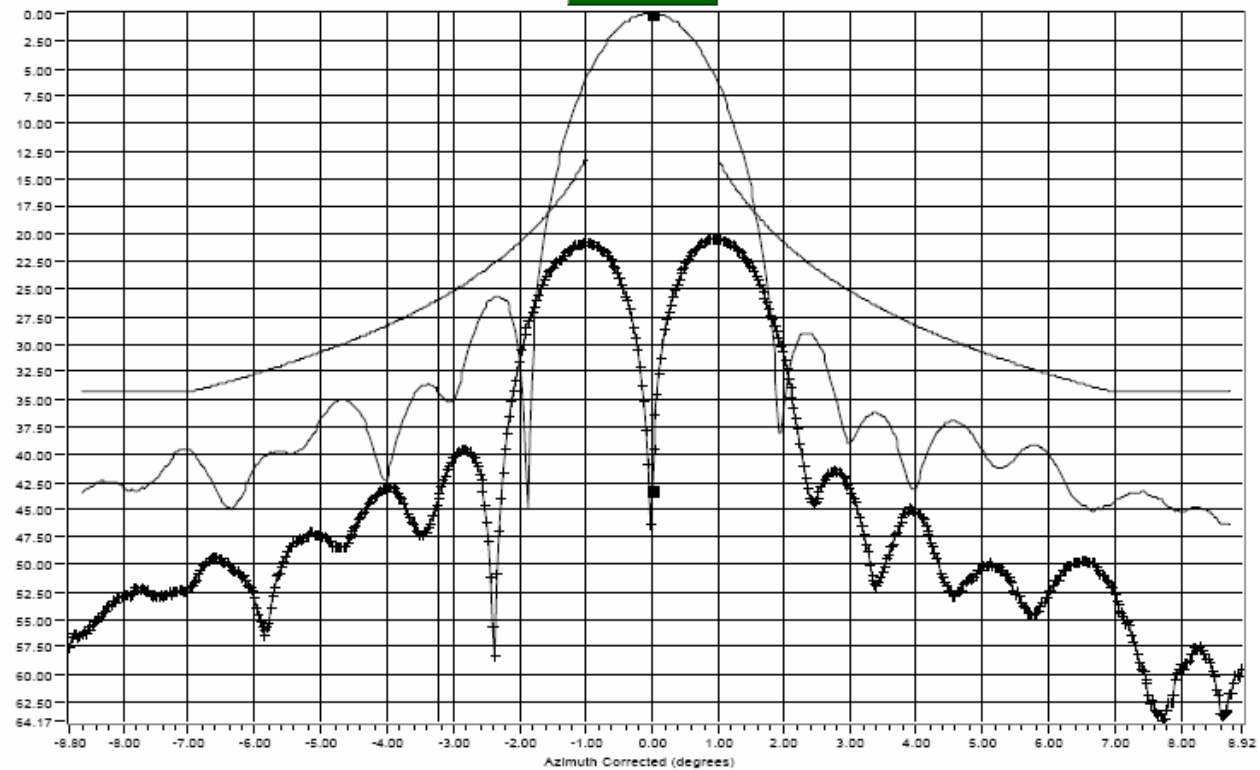
Tool box

OK

Exit

Relative Power (dB)

Recalled Pattern


Pattern Information

Frequency Band: Transmit
 Polarization: VERTICAL
 Beginning Angle: -8.80 degrees
 Ending Angle: 8.95 degrees
 Test Frequency: 13.7500 GHz

Antenna Information

Beam Center: Azimuth: 0.00
 Elevation: 12.00
 Specified Gain: 42.28 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
 Center Frequency: 13.7500 GHz
 Video Bandwidth: 30.0000 Hz
 Reference Level: -36.96 dB
 Sweep Time: 130.0 sec

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

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

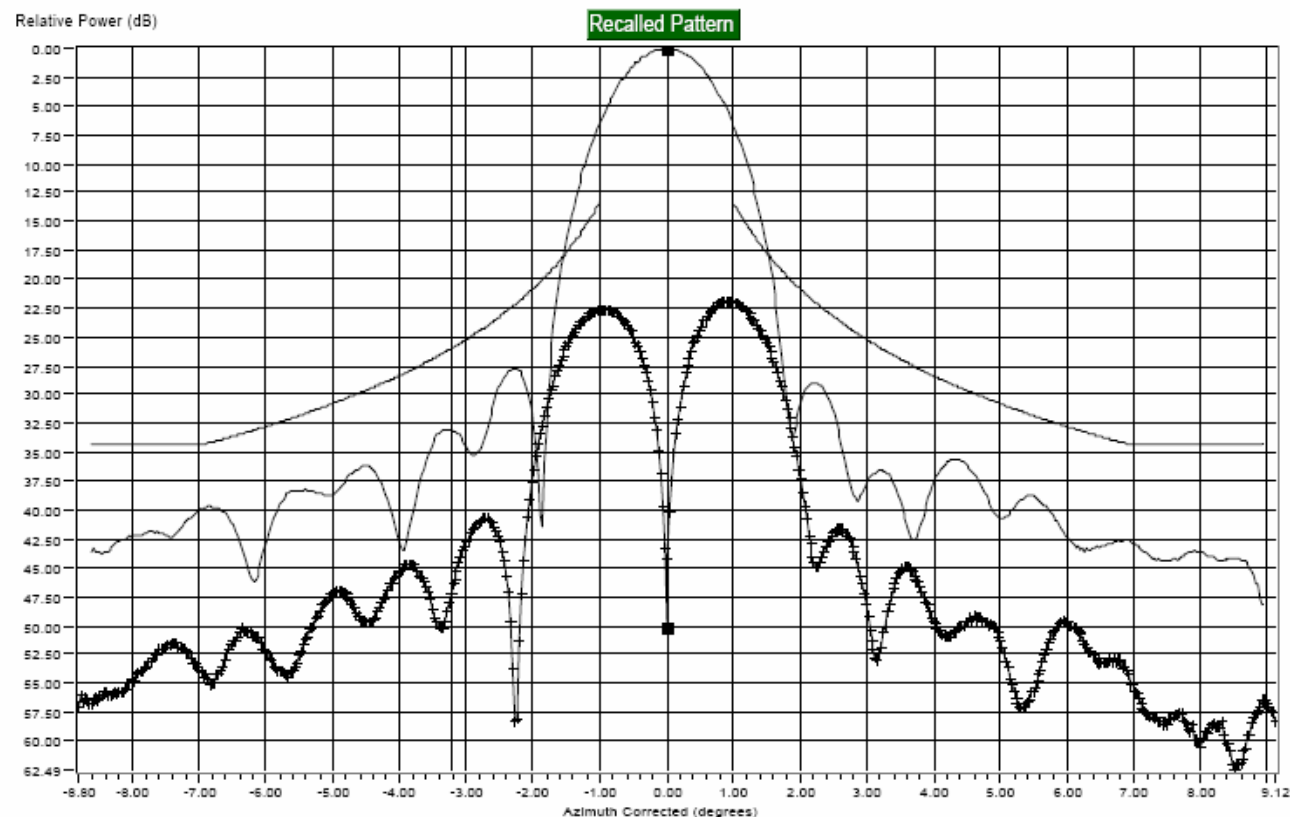
Comments:

Applied Curve:

Tool box

OK

Exit



Pattern Information

Frequency Band: Transmit
 Polarization: VERTICAL
 Beginning Angle: -8.80 degrees
 Ending Angle: 9.15 degrees
 Test Frequency: 14.2500 GHz

Antenna Information

Beam Center: Azimuth: 0.00
 Elevation: 12.00
 Specified Gain: 42.33 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
 Center Frequency: 14.2500 GHz
 Video Bandwidth: 30.0000 Hz
 Reference Level: -35.44 dB
 Sweep Time: 130.0 sec

CUSTOMER: PATRIOT

SATELLITE: Short Range

Comments:

SITE: VertexRSI Test Range

TRANSPONDER: N/A

ANTENNA: 1.0m Ku #1

JOB NUMBER: S4184

WEATHER: Clear

TEST ENGINEER: Todd Weaver

Applied Curve: FCC

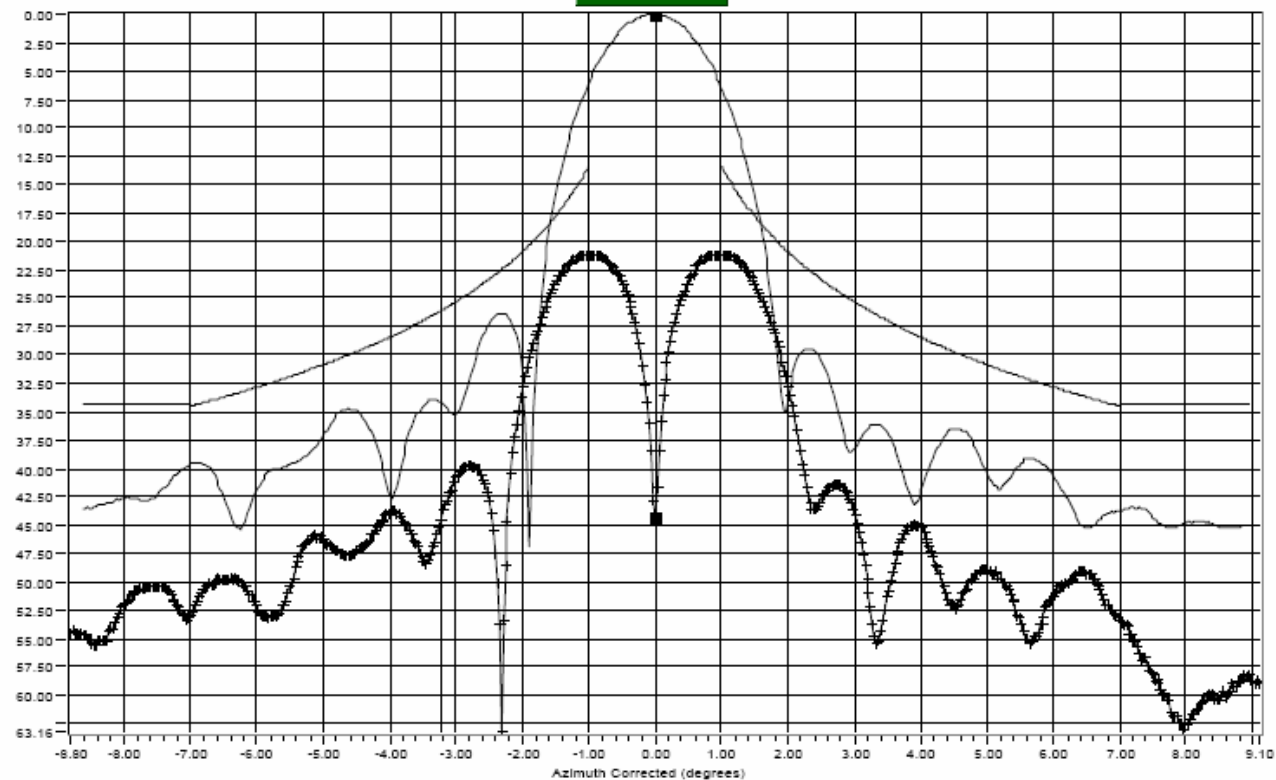
Tool box

OK

Exit

Relative Power (dB)

Recalled Pattern



Pattern Information

Frequency Band: Transmit
Polarization: VERTICAL

Beginning Angle: -8.80 degrees
Ending Angle: 9.13 degrees
Test Frequency: 14.0000 GHz

Antenna Information

Beam Center: Azimuth: 0.00
Elevation: 12.00
Specified Gain: 42.42 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
Center Frequency: 14.0000 GHz
Video Bandwidth: 30.0000 Hz
Reference Level: -36.30 dB
Sweep Time: 130.0 sec

CUSTOMER: PATRIOT

SATELLITE: Short Range

Comments:

SITE VertexRSI Test Range

TRANSPONDER: N/A

ANTENNA: 1.0m Ku #1

JOB NUMBER: S4184

WEATHER: Clear

TEST ENGINEER: Todd Weaver

Applied Curve:

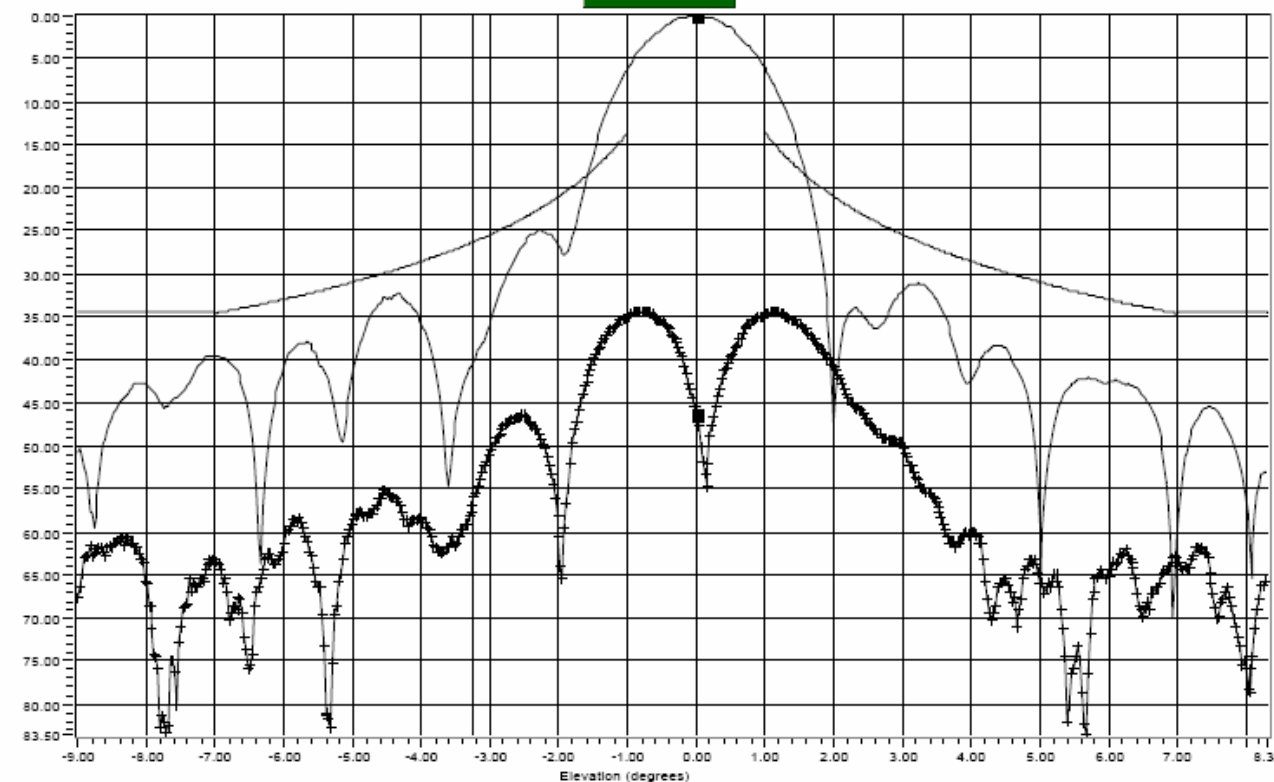
Tool box

OK

Exit

Relative Power (dB)

Recalled Pattern



Pattern Information

Frequency Band: Transmit
Polarization: VERTICAL

Beginning Angle: -9.00 degrees
Ending Angle: 8.31 degrees
Test Frequency: 14.5000 GHz

Antenna Information

Beam Center: Azimuth: 0.00
Elevation: 12.00
Specified Gain: 42.50 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
Center Frequency: 14.5000 GHz
Video Bandwidth: 30.0000 Hz
Reference Level: -29.26 dB
Sweep Time: 135.0 sec

CUSTOMER: PATRIOT

SATELLITE: Short Range

Comments:

SITE VertexRSI Test Range

TRANSPONDER: N/A

ANTENNA: 1.0m Ku #1

JOB NUMBER: S4184

WEATHER: Clear

TEST ENGINEER: Todd Weaver

 Applied Curve:

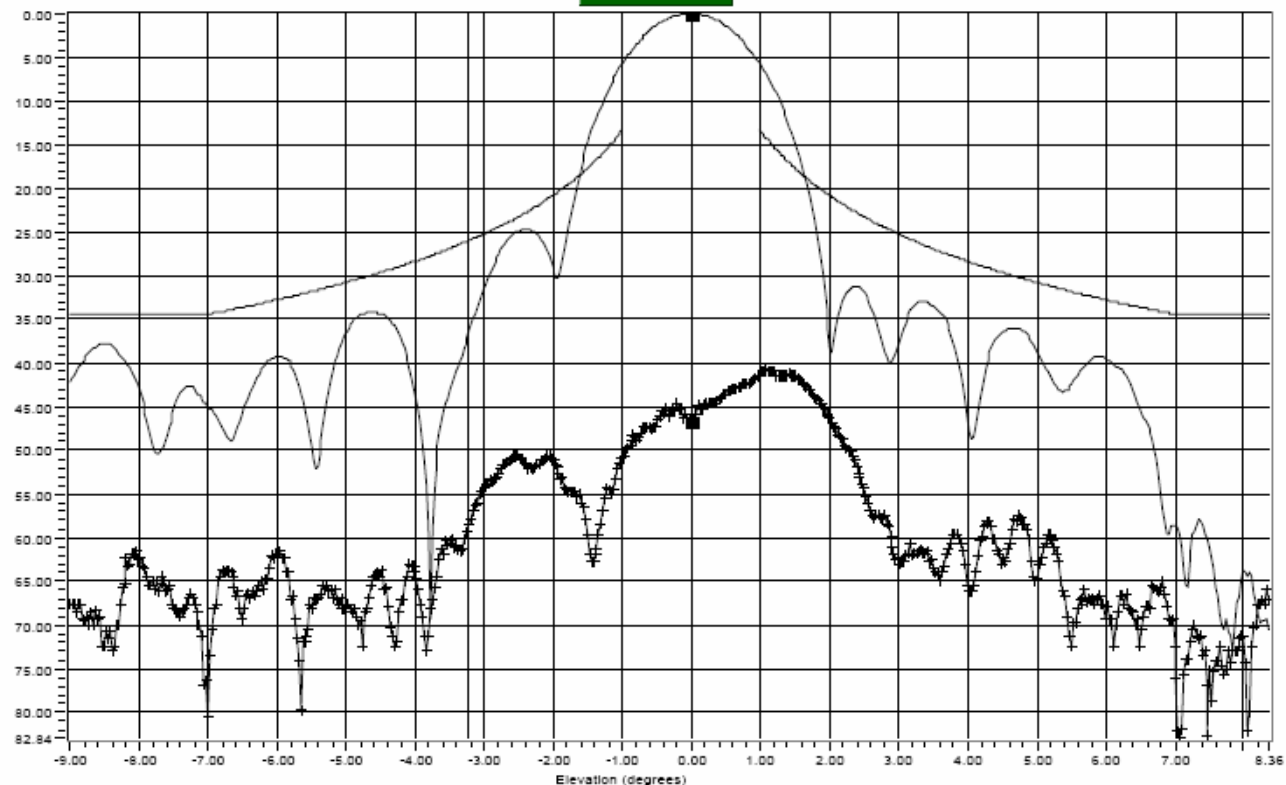
Tool box

OK

Exit

Relative Power (dB)

Recalled Pattern


Pattern Information

Frequency Band: Transmit
 Polarization: VERTICAL
 Beginning Angle: -9.00 degrees
 Ending Angle: 8.38 degrees
 Test Frequency: 13.7500 GHz

Antenna Information

Beam Center: Azimuth: 0.00
 Elevation: 12.00
 Specified Gain: 42.28 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
 Center Frequency: 13.7500 GHz
 Video Bandwidth: 30.0000 Hz
 Reference Level: -36.96 dB
 Sweep Time: 135.0 sec

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

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

Comments:

 Applied Curve:

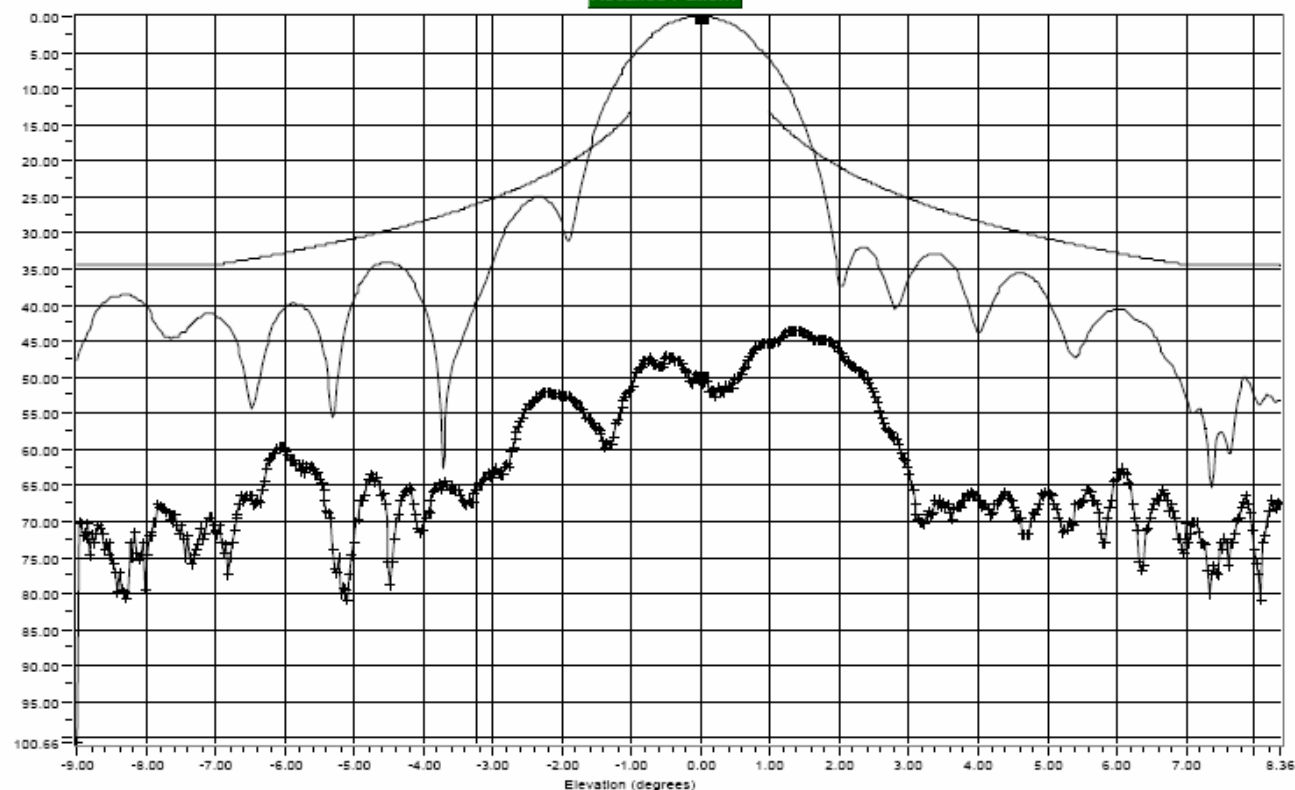
Tool box

OK

Exit

Relative Power (dB)

Recalled Pattern


Pattern Information

Frequency Band: Transmit
 Polarization: VERTICAL

 Beginning Angle: -9.00 degrees
 Ending Angle: 8.38 degrees
 Test Frequency: 14.2500 GHz

Antenna Information

Beam Center: Azimuth: 0.00
 Elevation: 12.00

 Specified Gain: 42.33 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
 Center Frequency: 14.2500 GHz
 Video Bandwidth: 30.0000 Hz
 Reference Level: -34.94 dB
 Sweep Time: 135.0 sec

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

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

Comments:

Applied Curve:

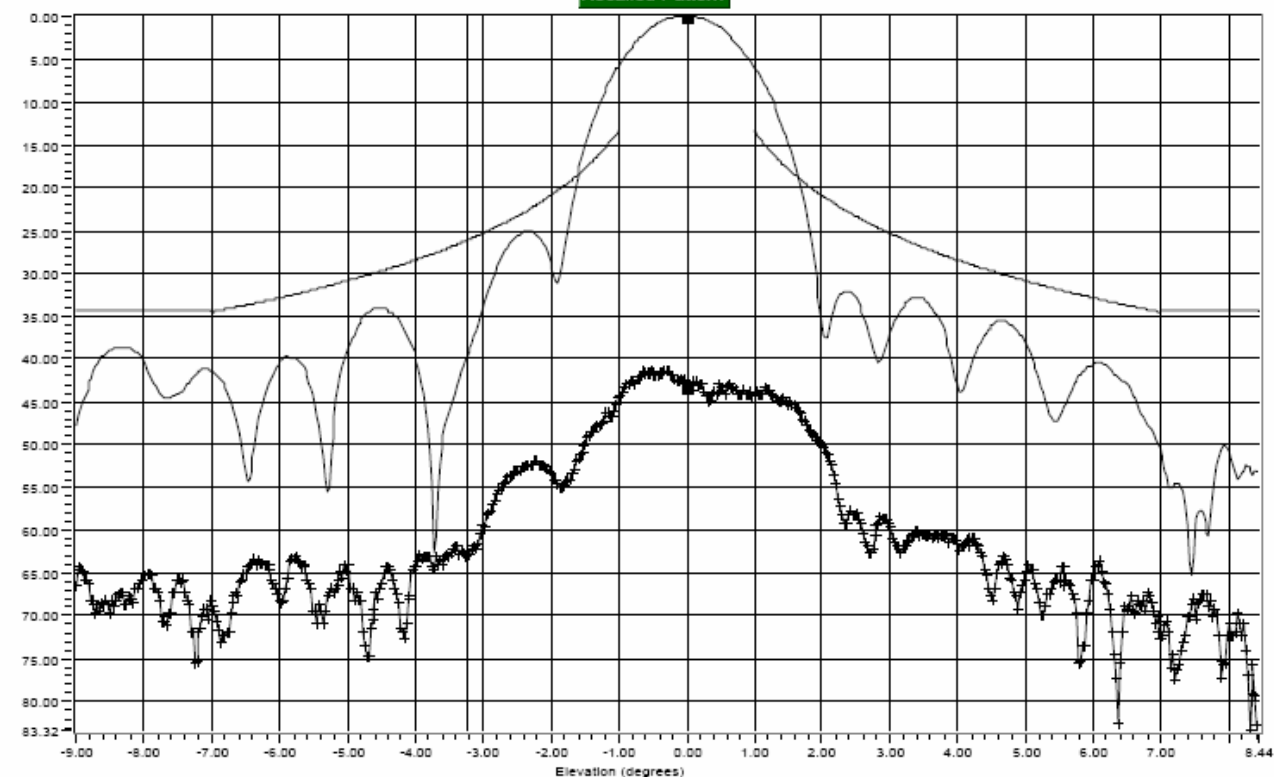
Tool box

OK

Exit

Relative Power (dB)

Recalled Pattern



Pattern Information

Frequency Band: Transmit
Polarization: VERTICAL

Beginning Angle: -9.00 degrees
Ending Angle: 8.45 degrees
Test Frequency: 14.0000 GHz

Antenna Information

Beam Center: Azimuth: 0.00
Elevation: 12.00
Specified Gain: 42.42 dB

Spectrum Analyzer Information

Resolution Bandwidth: 30.0000 Hz
Center Frequency: 14.0000 GHz
Video Bandwidth: 30.0000 Hz
Reference Level: -36.14 dB
Sweep Time: 135.0 sec