



Intrepid Class with IPOINT™



Intrepid150™ Radiation Pattern

The **INTREPID150™** system from Advantech Wireless is a quick deploy 1.5m antenna. Fitted with the **IPOINT™** antenna control unit the system can auto-acquire the target satellite in less than 5 minutes.

Available in X-band and Ku-band configurations this data sheet details the Ku-band radiation patterns showing the side lobe performance easily meets the 29-25 Log θ dBi standard.

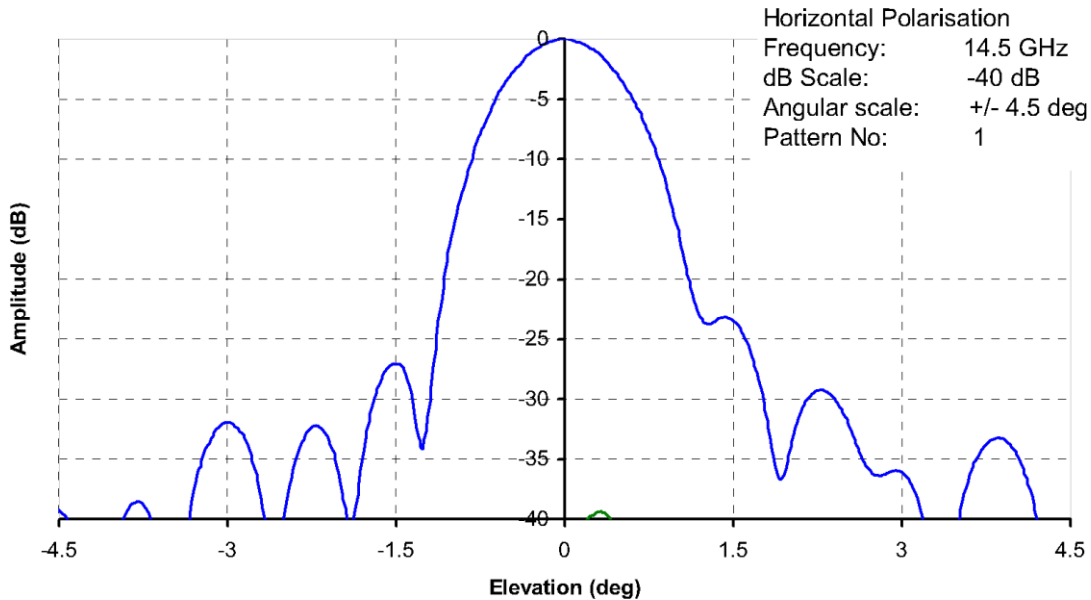
| | | | | | | |
|---------------------------|------------|--------------|--------------|--------------|--------------|-------|
| Frequency | GHz | 13.75 | 14.0 | 14.25 | 14.5 | |
| Signal Level at beam peak | AUT | dB | -20.7 | -21.7 | -21.8 | -20.1 |
| Signal Level at beam peak | SGH | dB | -39.3 | -40.3 | -40.5 | -38.7 |
| Difference, AUT to SGH | dB | 18.6 | 18.6 | 18.7 | 18.5 | |
| Rated gain SGH | dBi | 26.53 | 26.66 | 26.79 | 26.92 | |
| Gain of AUT | dBi | 45.13 | 45.26 | 45.49 | 45.42 | |

| Antenna Range Test Log Sheet | | | |
|------------------------------|---------------|---------------------|---------------------------|
| Title: | Intrepid-150 | Operator: | MMD |
| Project No: | TBA | Date: | 28 July 2008 |
| Description: | 1.5m Fly-away | Frequencies: | 13.75,14.0,14.25,14.5 GHz |
| Test plan: | 1.5m standard | Datafile Directory: | data/adv_28Jul08 |

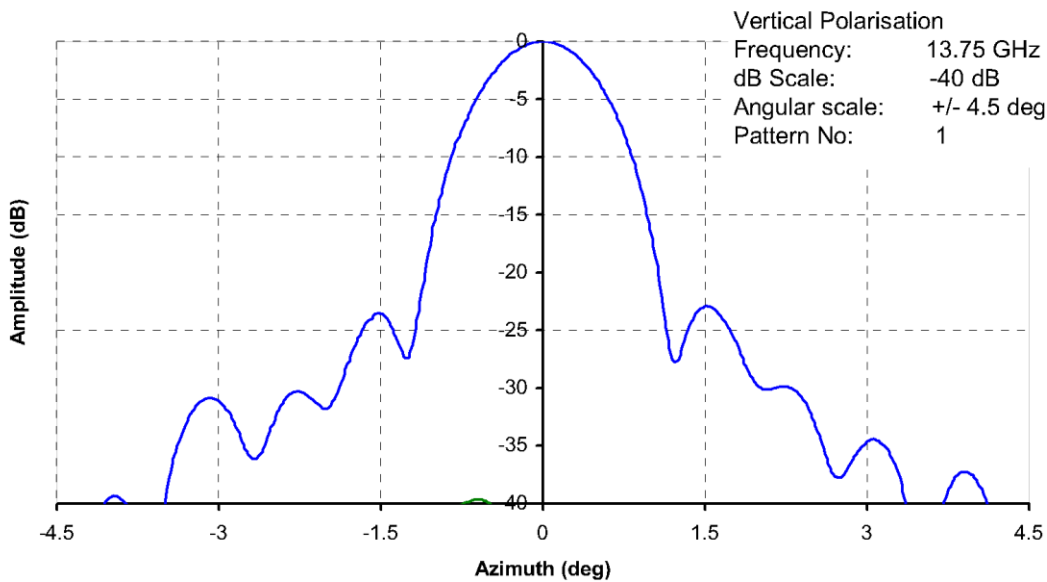
Quick Deploy Fly-Away Antenna INTREPID Class



1.5m 8 Segment Data File: Adv9b Adv8b



1.5m 8 Segment Data File: Adva Adv1a



NORTH AMERICA

USA

Tel: +1 678 889-1831
Fax: +1 678 889-1756
info.usa@advantechwireless.com

CANADA

Tel: +1 514 420 0045
Fax: +1 514 420 0073
info.canada@advantechwireless.com

EUROPE

UNITED KINGDOM

Tel: +44 1480 357 600
Fax: +44 1480 357 601
info.uk@advantechwireless.com

RUSSIA & CIS

Tel: +7 495 971 59 18
info.russia@advantechwireless.com

SOUTH AMERICA

USA

Tel: +1 678 889-1831
Fax: +1 678 889-1756
info.latam@advantechwireless.com

BRAZIL

Tel: +55 11 3054 5701
Fax: +55 11 3054 5701
info.brazil@advantechwireless.com

An ISO 9001 : 2008 Company

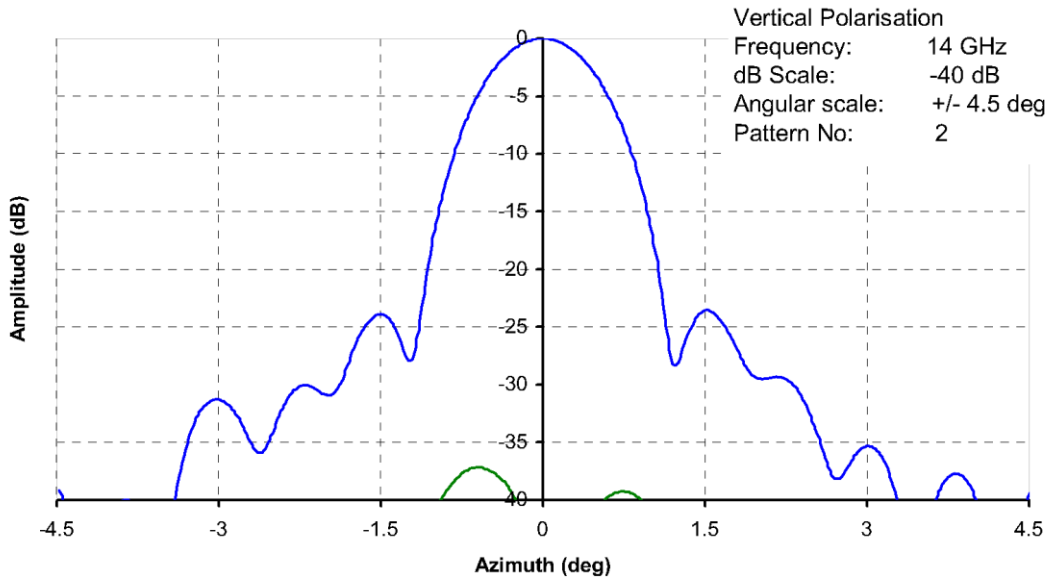


Ref.: DS-IPINTR150-RP-12107

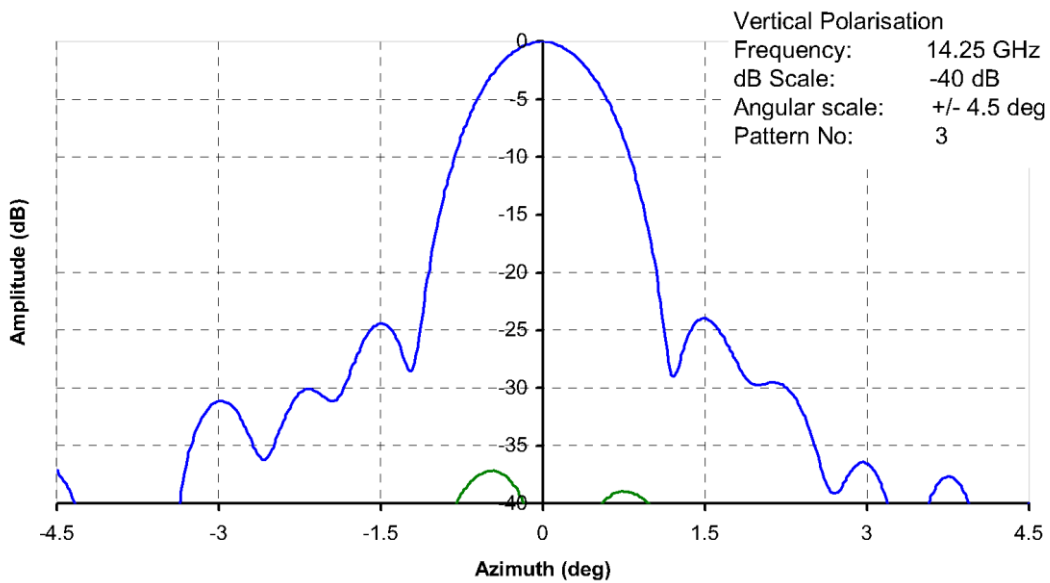
Quick Deploy Fly-Away Antenna INTREPID Class



1.5m 8 Segment Data File: Adva Adv1a



1.5m 8 Segment Data File: Adva Adv1a



NORTH AMERICA
USA
 Tel: +1 678 889-1831
 Fax: +1 678 889-1756
 info.usa@advantechwireless.com

CANADA
 Tel: +1 514 420 0045
 Fax: +1 514 420 0073
 info.canada@advantechwireless.com

EUROPE
UNITED KINGDOM
 Tel: +44 1480 357 600
 Fax: +44 1480 357 601
 info.uk@advantechwireless.com

RUSSIA & CIS
 Tel: +7 495 971 59 18
 info.russia@advantechwireless.com

SOUTH AMERICA
USA
 Tel: +1 678 889-1831
 Fax: +1 678 889-1756
 info.latam@advantechwireless.com

BRAZIL
 Tel: +55 11 3054 5701
 Fax: +55 11 3054 5701
 info.brazil@advantechwireless.com

An ISO 9001 : 2008 Company

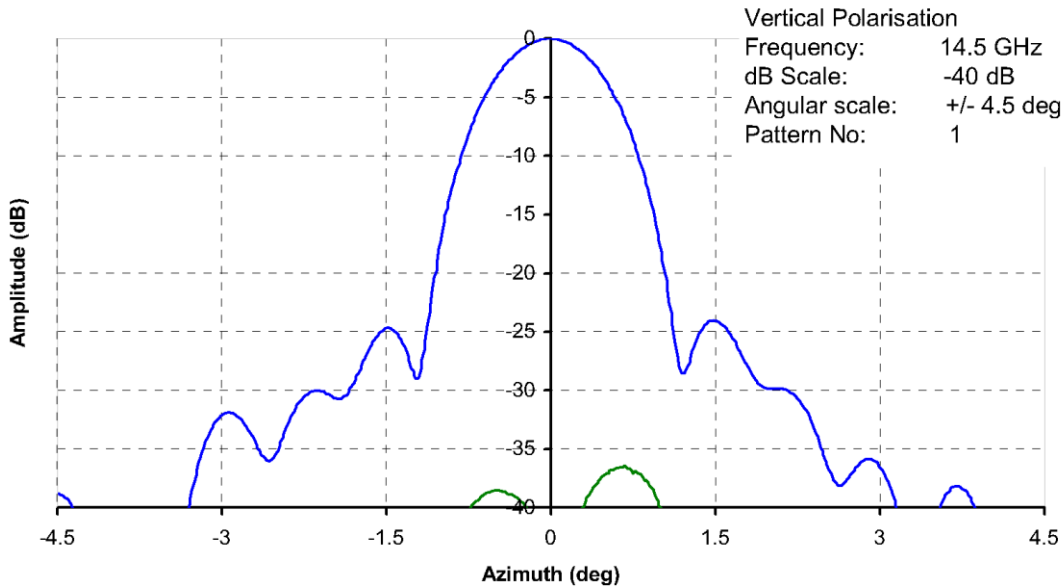


Ref.: DS-IPINTR150-RP-12107

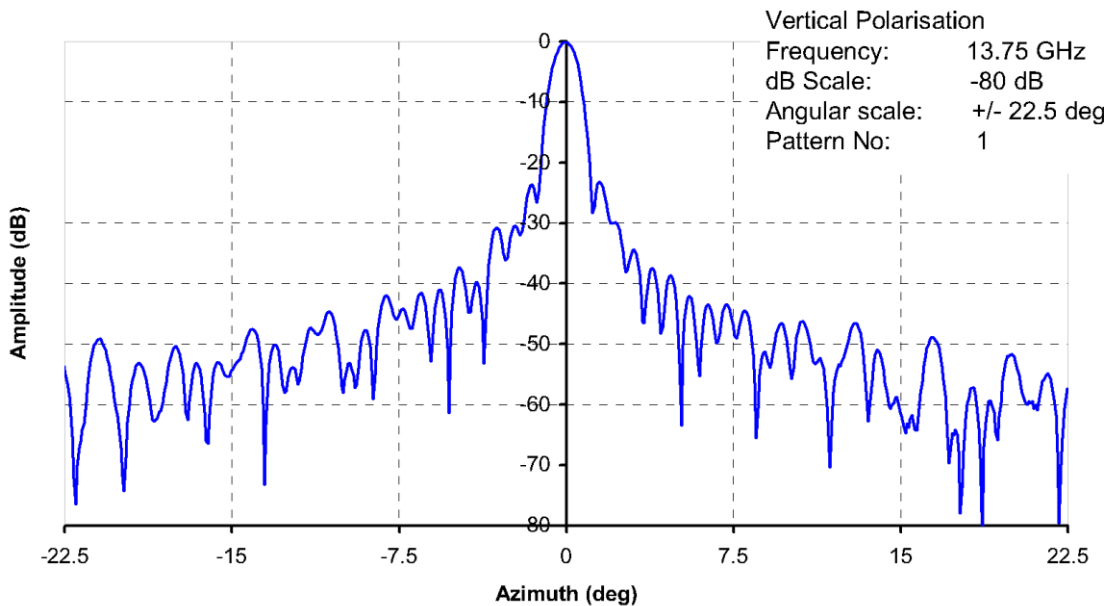
Quick Deploy Fly-Away Antenna INTREPID Class



1.5m 8 Segment Data File: Advb Adv1b



1.5m 8 Segment Data File: Adv4a



NORTH AMERICA

USA

Tel: +1 678 889-1831
Fax: +1 678 889-1756
info.usa@advantechwireless.com

CANADA

Tel: +1 514 420 0045
Fax: +1 514 420 0073
info.canada@advantechwireless.com

EUROPE

UNITED KINGDOM

Tel: +44 1480 357 600
Fax: +44 1480 357 601
info.uk@advantechwireless.com

RUSSIA & CIS

Tel: +7 495 971 59 18
info.russia@advantechwireless.com

SOUTH AMERICA

USA

Tel: +1 678 889-1831
Fax: +1 678 889-1756
info.latam@advantechwireless.com

BRAZIL

Tel: +55 11 3054 5701
Fax: +55 11 3054 5701
info.brazil@advantechwireless.com

An ISO 9001 : 2008 Company

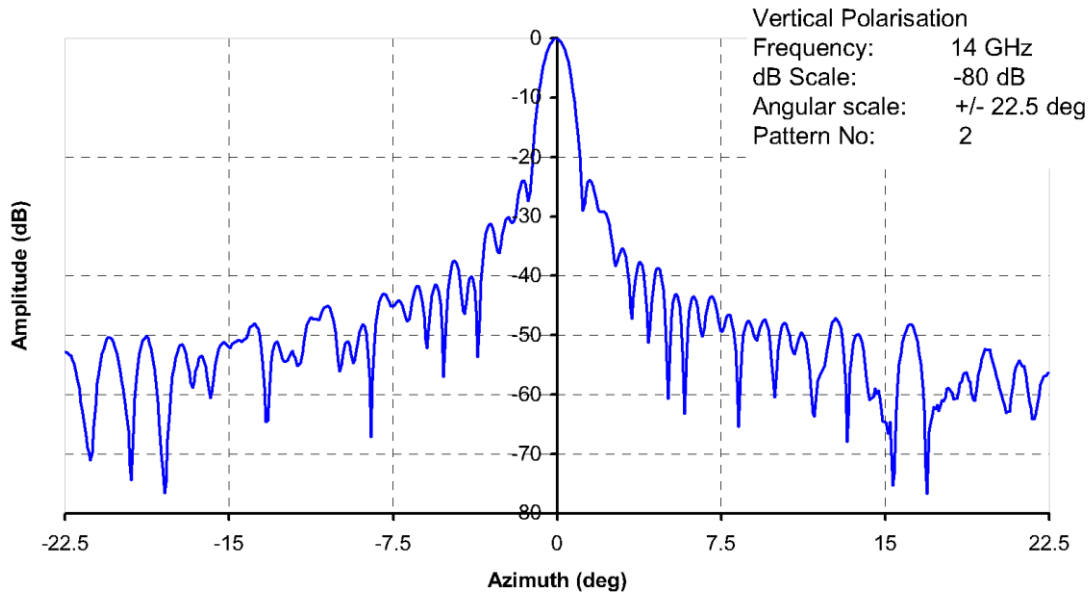


Ref.: DS-IPINTR150-RP-12107

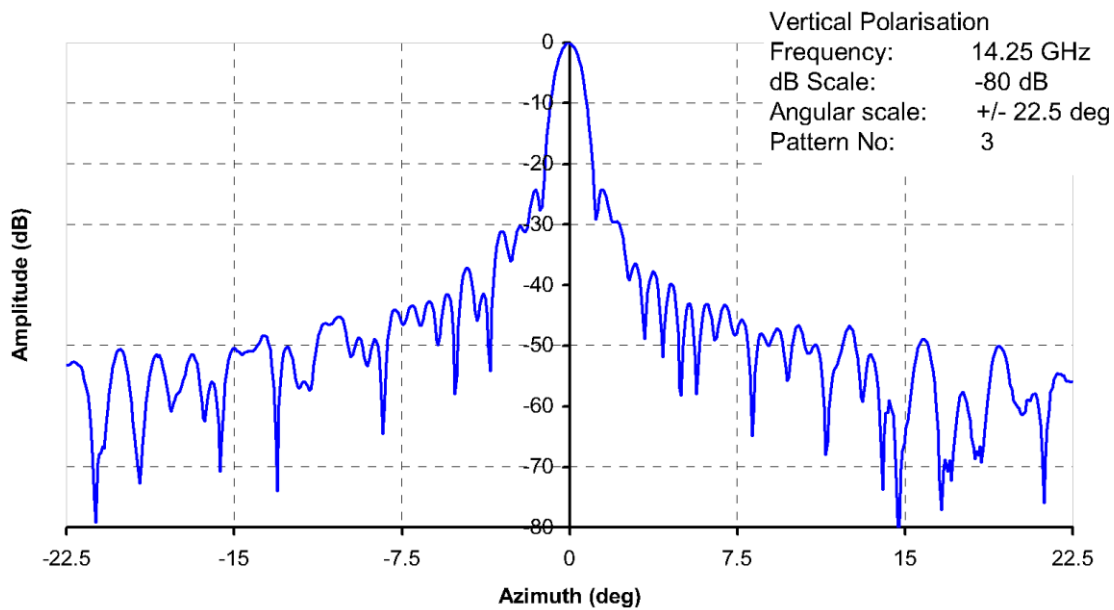
Quick Deploy Fly-Away Antenna INTREPID Class



1.5m 8 Segment Data File: Adv4a



1.5m 8 Segment Data File: Adv4a



NORTH AMERICA

USA
Tel: +1 678 889-1831
Fax: +1 678 889-1756
info.usa@advantechwireless.com

CANADA

Tel: +1 514 420 0045
Fax: +1 514 420 0073
info.canada@advantechwireless.com

EUROPE

UNITED KINGDOM
Tel: +44 1480 357 600
Fax: +44 1480 357 601
info.uk@advantechwireless.com

RUSSIA & CIS

Tel: +7 495 971 59 18
info.russia@advantechwireless.com

SOUTH AMERICA

USA
Tel: +1 678 889-1831
Fax: +1 678 889-1756
info.latam@advantechwireless.com

BRAZIL

Tel: +55 11 3054 5701
Fax: +55 11 3054 5701
info.brazil@advantechwireless.com

An ISO 9001 : 2008 Company

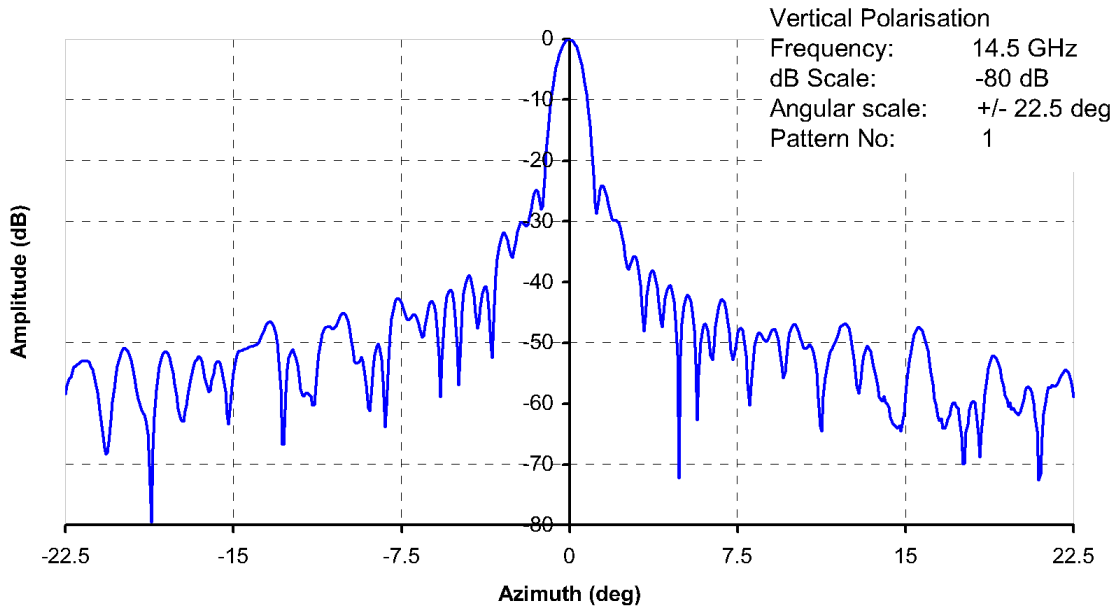


Ref.: DS-IPINTR150-RP-12107

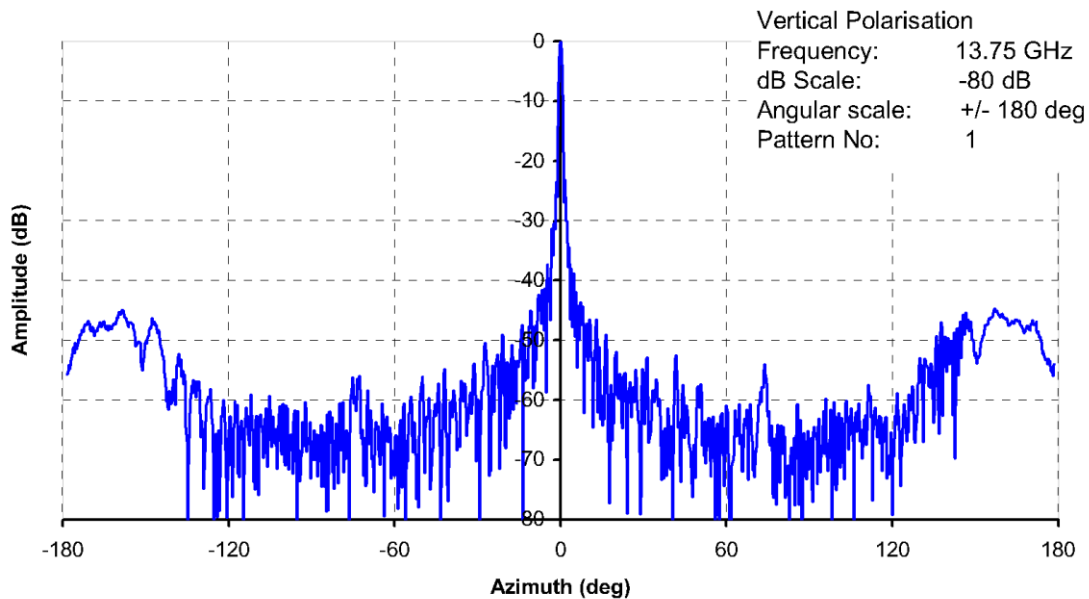
Quick Deploy Fly-Away Antenna INTREPID Class



1.5m 8 Segment Data File: Adv4b



1.5m 8 Segment Data File: Adv5a



NORTH AMERICA

USA

Tel: +1 678 889-1831
Fax: +1 678 889-1756
info.usa@advantechwireless.com

CANADA

Tel: +1 514 420 0045
Fax: +1 514 420 0073
info.canada@advantechwireless.com

EUROPE

UNITED KINGDOM

Tel: +44 1480 357 600
Fax: +44 1480 357 601
info.uk@advantechwireless.com

RUSSIA & CIS

Tel: +7 495 971 59 18
info.russia@advantechwireless.com

SOUTH AMERICA

USA

Tel: +1 678 889-1831
Fax: +1 678 889-1756
info.latam@advantechwireless.com

BRAZIL

Tel: +55 11 3054 5701
Fax: +55 11 3054 5701
info.brazil@advantechwireless.com

An ISO 9001 : 2008 Company

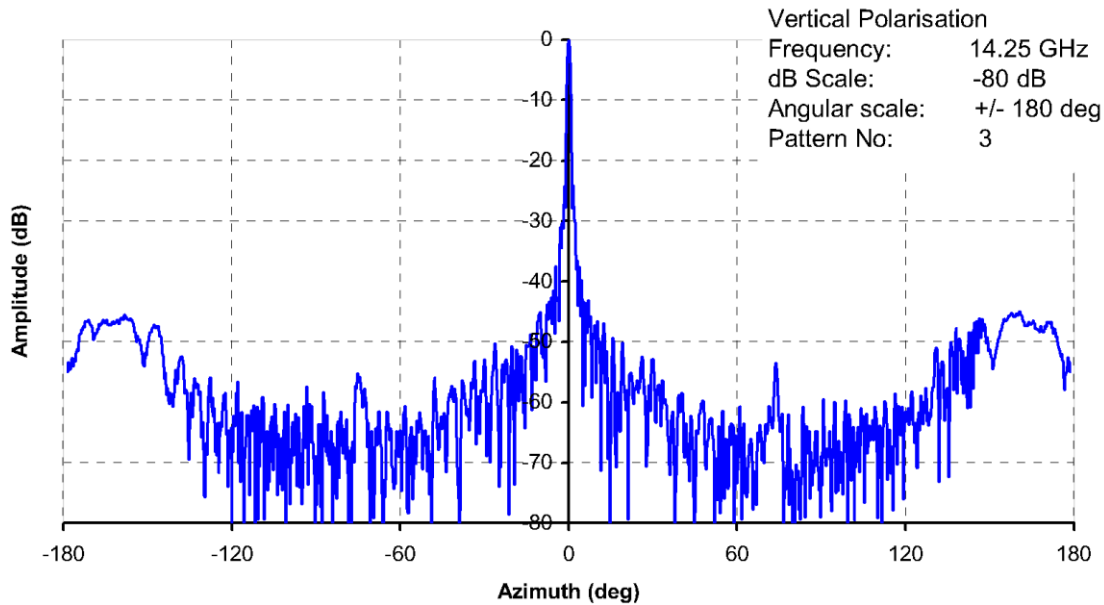


Ref.: DS-IPINTR150-RP-12107

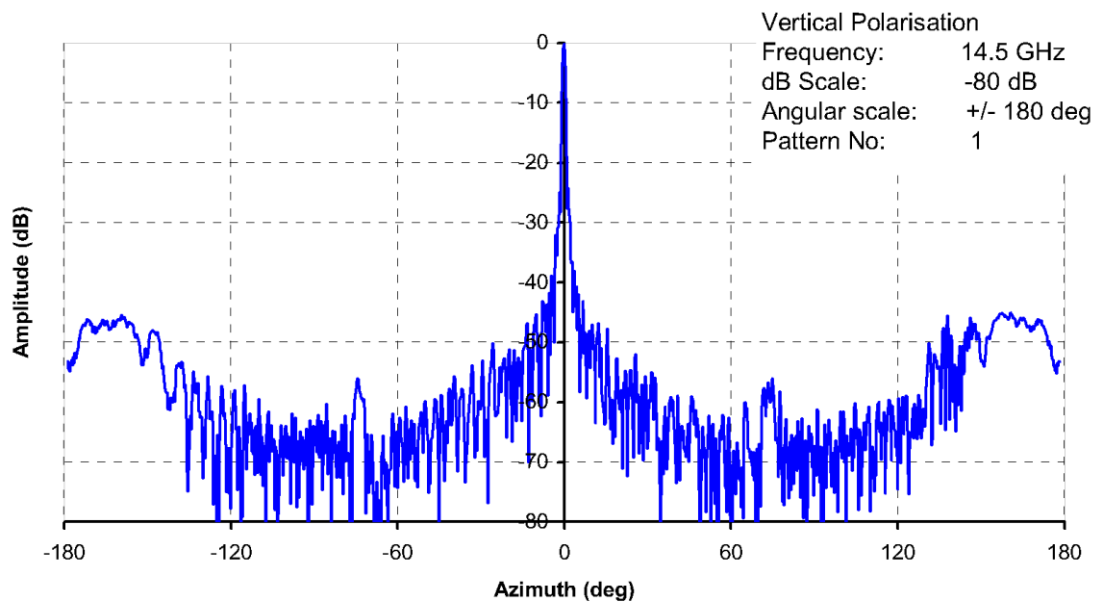
Quick Deploy Fly-Away Antenna INTREPID Class



1.5m 8 Segment Data File: Adv5a



1.5m 8 Segment Data File: Adv5b



NORTH AMERICA

USA

Tel: +1 678 889-1831
Fax: +1 678 889-1756
info.usa@advantechwireless.com

CANADA

Tel: +1 514 420 0045
Fax: +1 514 420 0073
info.canada@advantechwireless.com

EUROPE

UNITED KINGDOM

Tel: +44 1480 357 600
Fax: +44 1480 357 601
info.uk@advantechwireless.com

RUSSIA & CIS

Tel: +7 495 971 59 18
info.russia@advantechwireless.com

SOUTH AMERICA

USA

Tel: +1 678 889-1831
Fax: +1 678 889-1756
info.latam@advantechwireless.com

BRAZIL

Tel: +55 11 3054 5701
Fax: +55 11 3054 5701
info.brazil@advantechwireless.com

An ISO 9001 : 2008 Company

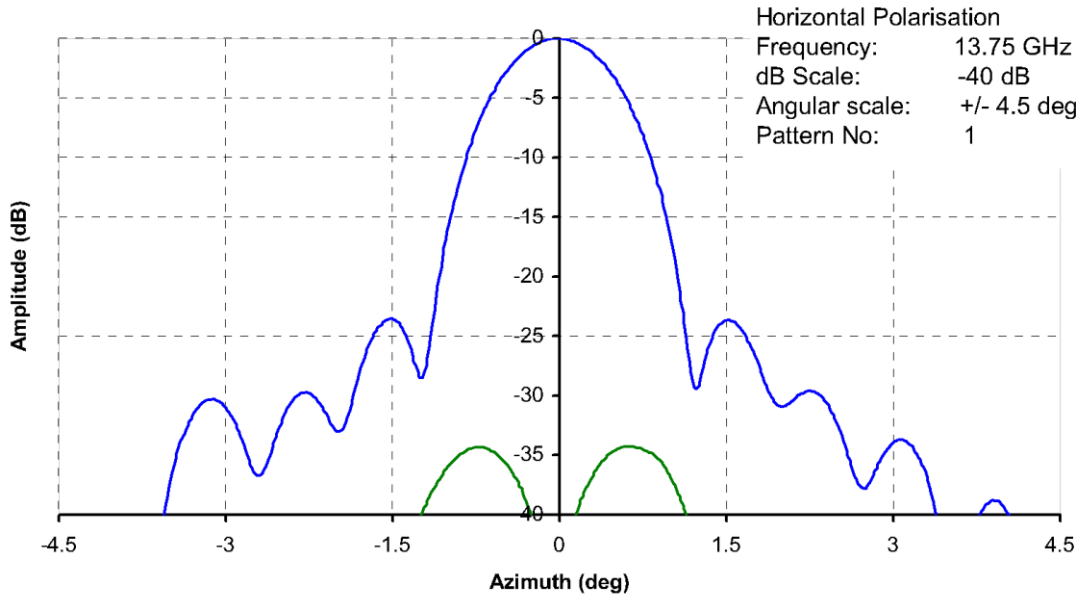


Ref.: DS-IPINTR150-RP-12107

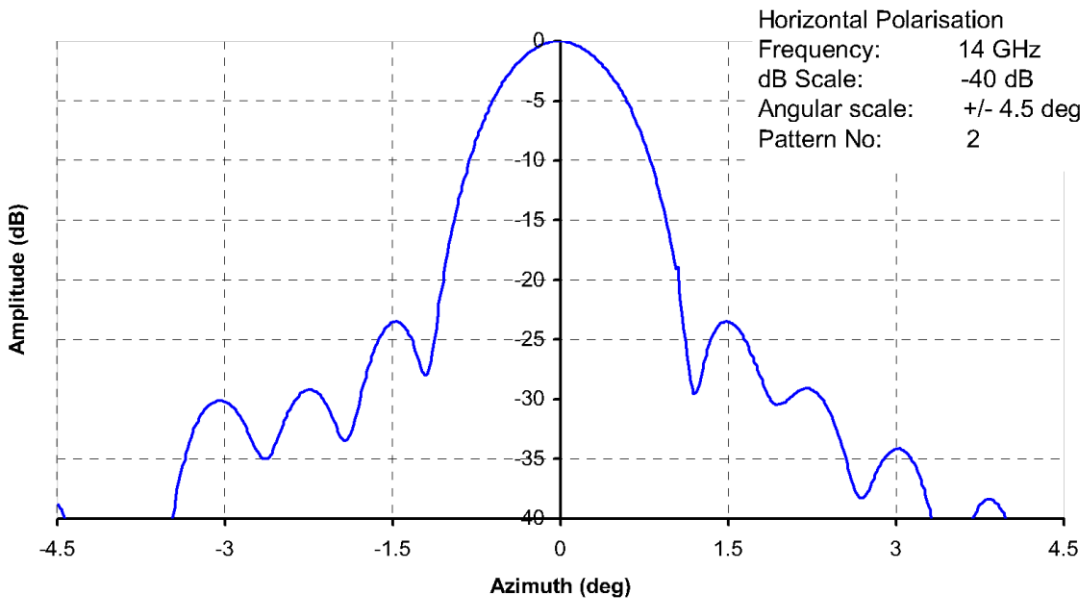
Quick Deploy Fly-Away Antenna INTREPID Class



1.5m 8 Segment Data File: Adv6a Adv7a



1.5m 8 Segment Data File: Adv6a Adv7a



NORTH AMERICA

USA
 Tel: +1 678 889-1831
 Fax: +1 678 889-1756
 info.usa@advantechwireless.com

CANADA

Tel: +1 514 420 0045
 Fax: +1 514 420 0073
 info.canada@advantechwireless.com

EUROPE

UNITED KINGDOM
 Tel: +44 1480 357 600
 Fax: +44 1480 357 601
 info.uk@advantechwireless.com

RUSSIA & CIS

Tel: +7 495 971 59 18
 info.russia@advantechwireless.com

SOUTH AMERICA

USA
 Tel: +1 678 889-1831
 Fax: +1 678 889-1756
 info.latam@advantechwireless.com

BRAZIL

Tel: +55 11 3054 5701
 Fax: +55 11 3054 5701
 info.brazil@advantechwireless.com

An ISO 9001 : 2008 Company

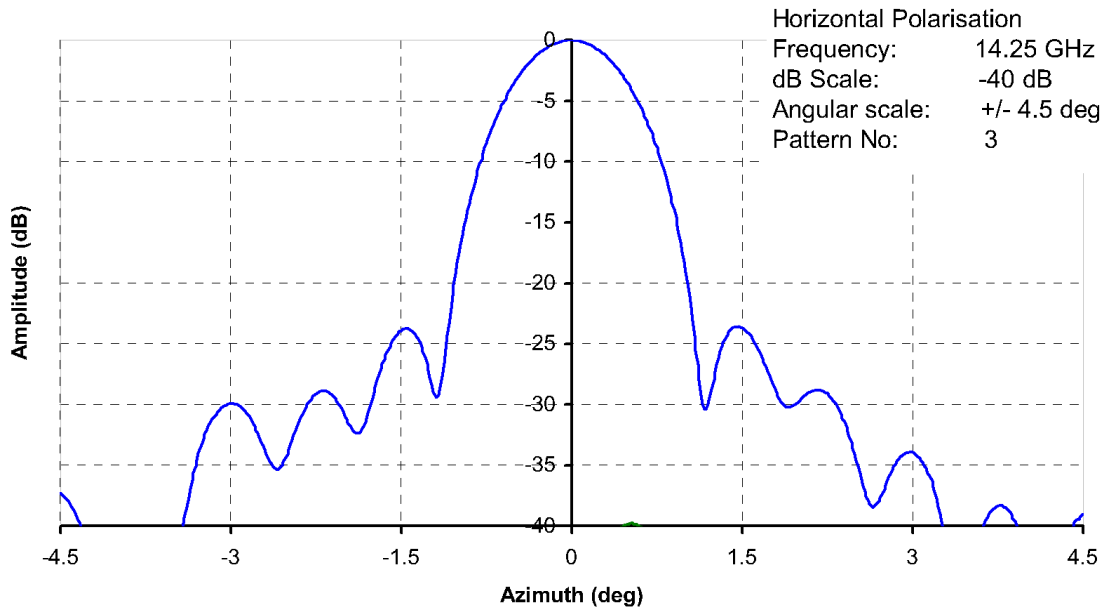


Ref.: DS-IPINTR150-RP-12107

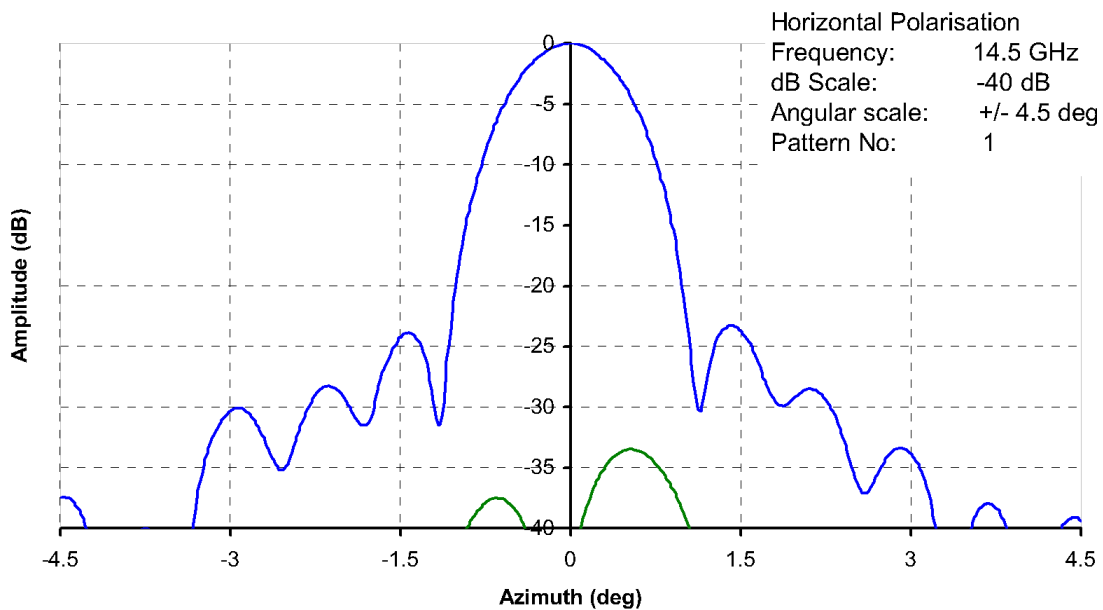
Quick Deploy Fly-Away Antenna INTREPID Class



1.5m 8 Segment Data File: Adv6a Adv7a



1.5m 8 Segment Data File: Adv6b Adv7b



NORTH AMERICA
USA
Tel: +1 678 889-1831
Fax: +1 678 889-1756
info.usa@advantechwireless.com

CANADA
Tel: +1 514 420 0045
Fax: +1 514 420 0073
info.canada@advantechwireless.com

EUROPE
UNITED KINGDOM
Tel: +44 1480 357 600
Fax: +44 1480 357 601
info.uk@advantechwireless.com

RUSSIA & CIS
Tel: +7 495 971 59 18
info.russia@advantechwireless.com

SOUTH AMERICA
USA
Tel: +1 678 889-1831
Fax: +1 678 889-1756
info.latam@advantechwireless.com

BRAZIL
Tel: +55 11 3054 5701
Fax: +55 11 3054 5701
info.brazil@advantechwireless.com

An ISO 9001 : 2008 Company

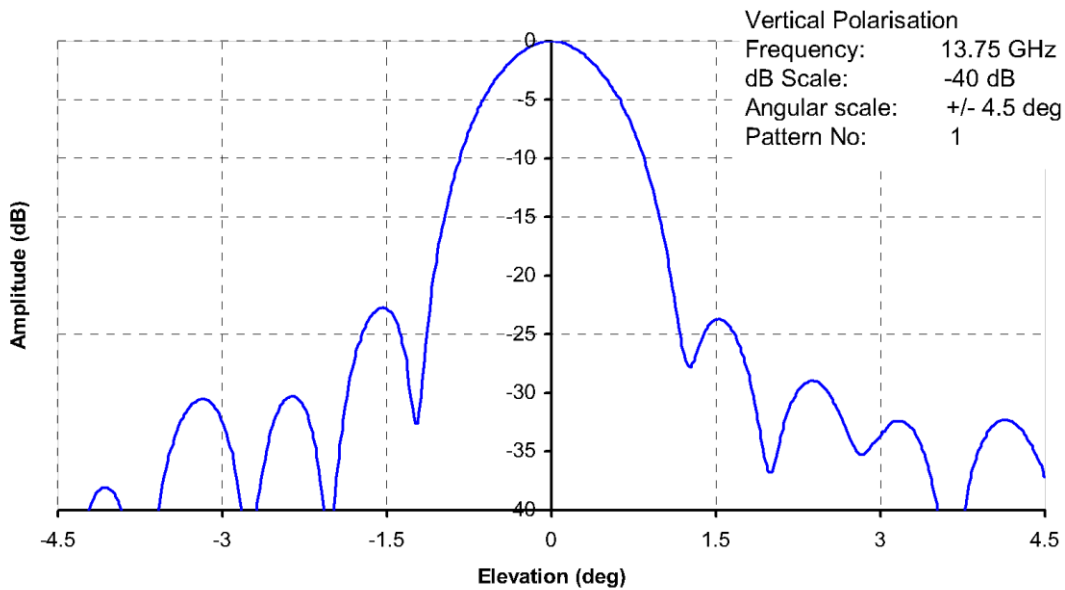


Ref.: DS-IPINTR150-RP-12107

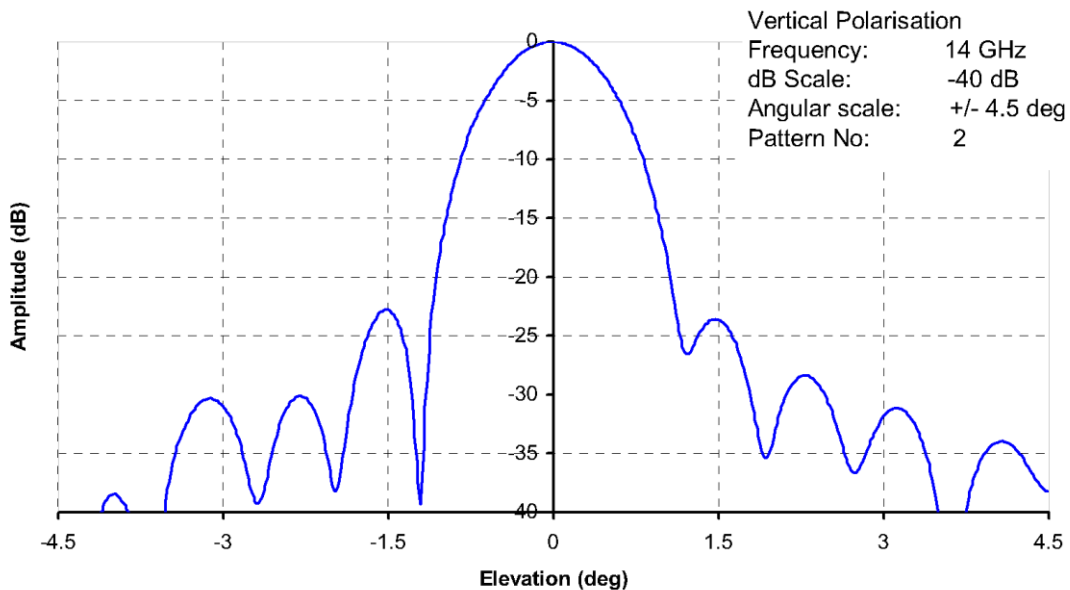
Quick Deploy Fly-Away Antenna INTREPID Class



1.5m 8 Segment Data File: Adv3a Adv2a



1.5m 8 Segment Data File: Adv2a Adv3a



NORTH AMERICA USA

Tel: +1 678 889-1831
Fax: +1 678 889-1756
info.usa@advantechwireless.com

CANADA

Tel: +1 514 420 0045
Fax: +1 514 420 0073
info.canada@advantechwireless.com

EUROPE UNITED KINGDOM

Tel: +44 1480 357 600
Fax: +44 1480 357 601
info.uk@advantechwireless.com

RUSSIA & CIS

Tel: +7 495 971 59 18
info.russia@advantechwireless.com

SOUTH AMERICA USA

Tel: +1 678 889-1831
Fax: +1 678 889-1756
info.latam@advantechwireless.com

BRAZIL

Tel: +55 11 3054 5701
Fax: +55 11 3054 5701
info.brazil@advantechwireless.com

An ISO 9001 : 2008 Company

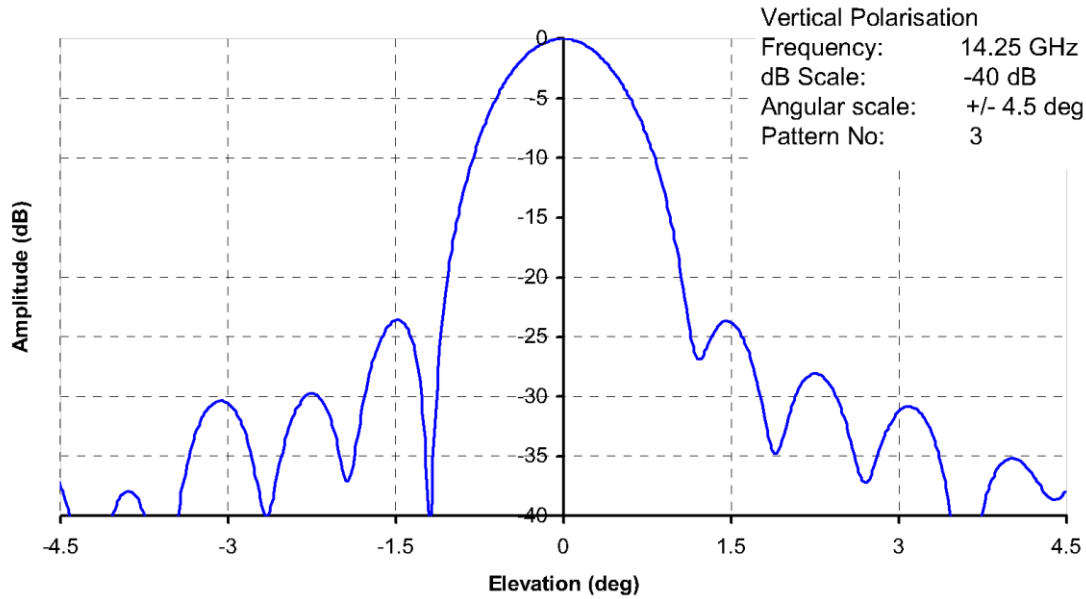


Ref.: DS-IPINTR150-RP-12107

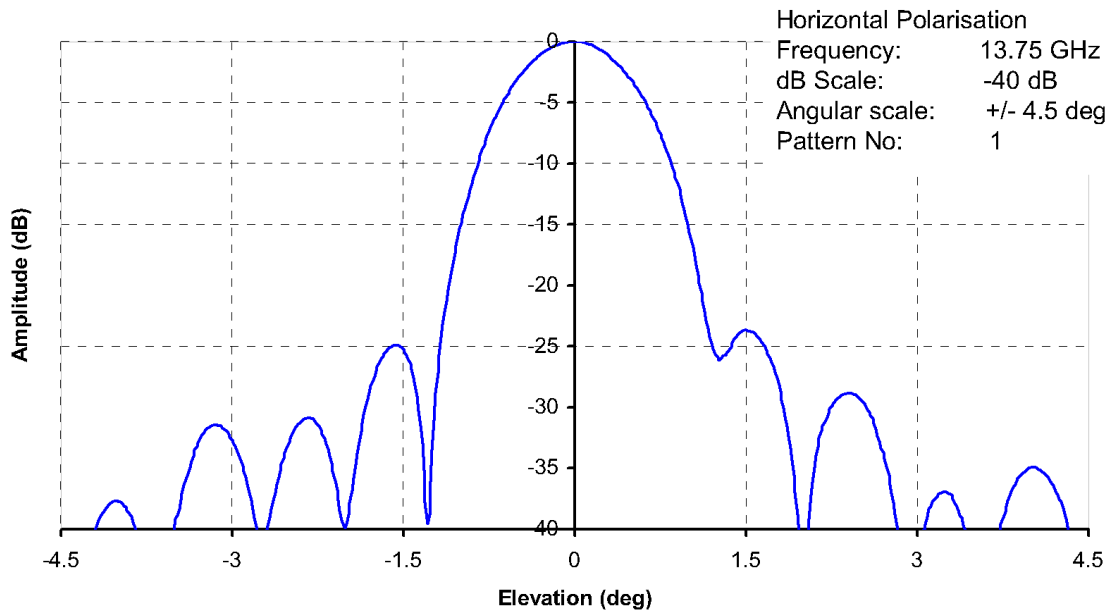
Quick Deploy Fly-Away Antenna INTREPID Class



1.5m 8 Segment Data File: Adv3a Adv2a



1.5m 8 Segment Data File: Adv9a Adv8a



NORTH AMERICA

USA
Tel: +1 678 889-1831
Fax: +1 678 889-1756
info.usa@advantechwireless.com

CANADA

Tel: +1 514 420 0045
Fax: +1 514 420 0073
info.canada@advantechwireless.com

EUROPE

UNITED KINGDOM
Tel: +44 1480 357 600
Fax: +44 1480 357 601
info.uk@advantechwireless.com

RUSSIA & CIS

Tel: +7 495 971 59 18
info.russia@advantechwireless.com

SOUTH AMERICA

USA
Tel: +1 678 889-1831
Fax: +1 678 889-1756
info.latam@advantechwireless.com

BRAZIL

Tel: +55 11 3054 5701
Fax: +55 11 3054 5701
info.brazil@advantechwireless.com

An ISO 9001 : 2008 Company

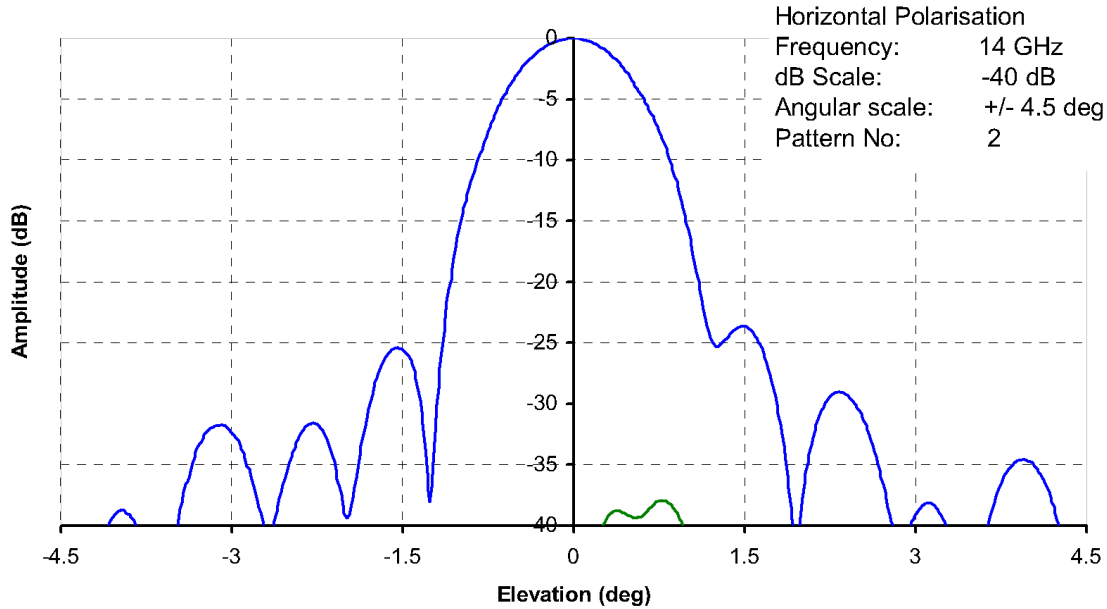


Ref.: DS-IPINTR150-RP-12107

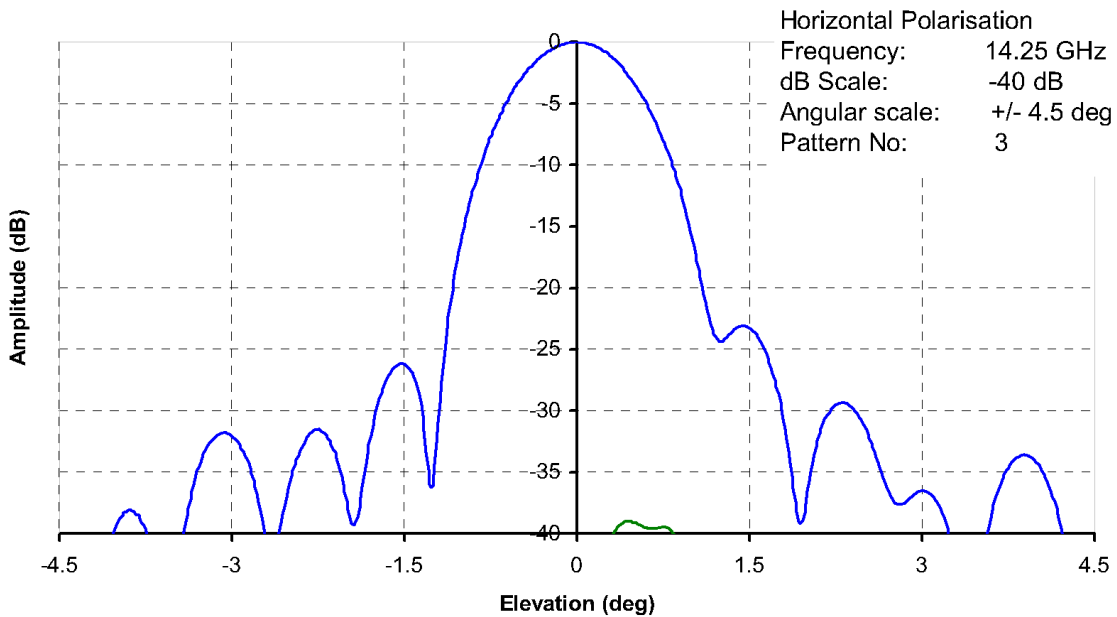
Quick Deploy Fly-Away Antenna INTREPID Class



1.5m 8 Segment Data File: Adv9a Adv8a



1.5m 8 Segment Data File: Adv9a Adv8a



NORTH AMERICA

USA

Tel: +1 678 889-1831
Fax: +1 678 889-1756
info.usa@advantechwireless.com

CANADA

Tel: +1 514 420 0045
Fax: +1 514 420 0073
info.canada@advantechwireless.com

EUROPE

UNITED KINGDOM

Tel: +44 1480 357 600
Fax: +44 1480 357 601
info.uk@advantechwireless.com

RUSSIA & CIS

Tel: +7 495 971 59 18
info.russia@advantechwireless.com

SOUTH AMERICA

USA

Tel: +1 678 889-1831
Fax: +1 678 889-1756
info.latam@advantechwireless.com

BRAZIL

Tel: +55 11 3054 5701
Fax: +55 11 3054 5701
info.brazil@advantechwireless.com

An ISO 9001 : 2008 Company



Ref.: DS-IPINTR150-RP-12107