



*Pioneer Class with **IPOINT**TM*



***PIONEER150*TM Radiation Pattern**

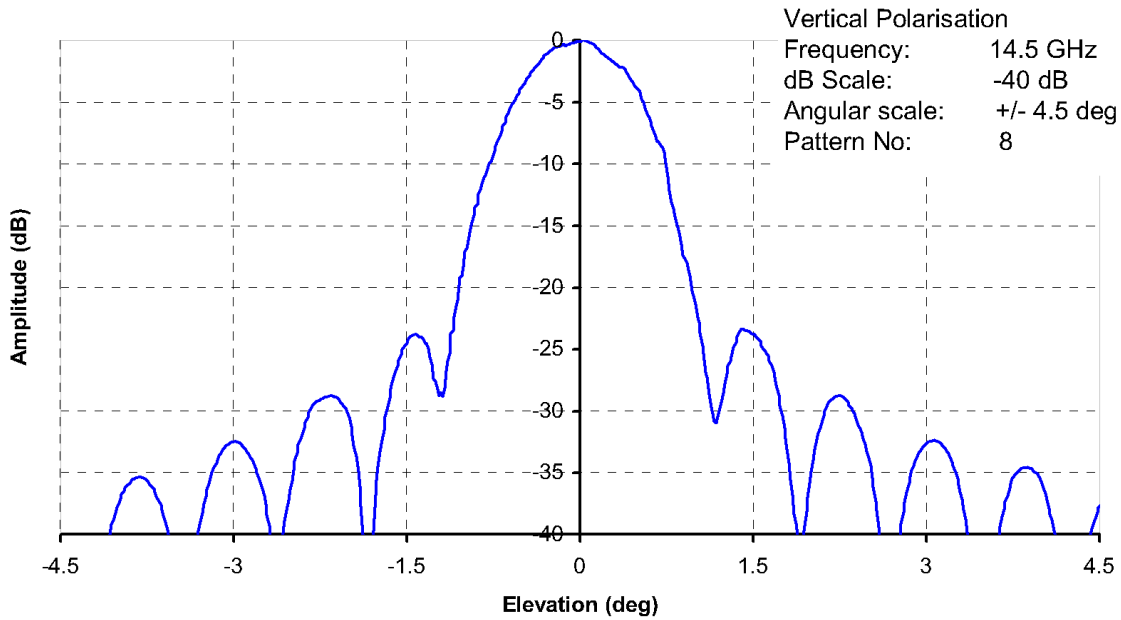
The ***PIONEER150*TM** ultra-compact roof mounted system from Advantech Wireless is a quick deploy 1.5m antenna. Fitted with the ***IPOINT*TM** antenna control unit the system can auto-acquire the target satellite in less than 3 minutes.

This data sheet details the Ku-band radiation patterns showing the side lobe performance easily meets the 29-25 Log θ dBi standard.

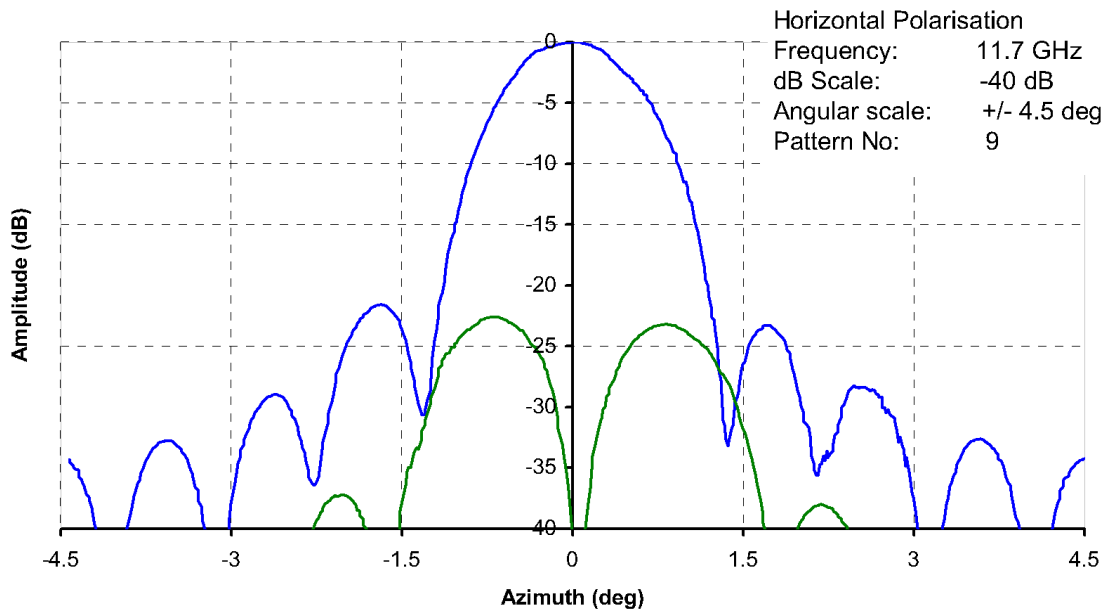
Frequency	GHz	11.70	13.75	14.00	14.5
Signal Level at beam peak	AUT dB	-33.8	-31.2	-31.6	-30.3
Signal Level at beam peak	SGH dB	-52.6	-50.9	-51.2	-49.8
Difference, AUT to SGH	dB	18.8	19.7	19.6	19.5
Rated gain SGH	dBi	25.3	26.5	26.6	26.9
Gain of AUT	dBi	44.1	46.2	46.2	46.4

Antenna Range Test Log Sheet			
Title:	Pioneer-150	Operator:	MMD
Project No:	TBA	Date:	3 January 2008
Description:	1.5m Vehicle	Frequencies:	11.7,13.75,14.0,14.5 GHz
Test plan:	1.5m standard extended Tx band	Datafile Directory:	data/adv_3Jan08

1.5m Solid Data File: Adv9 Adv8



1.5m Solid Data File: Adv2 Adv5



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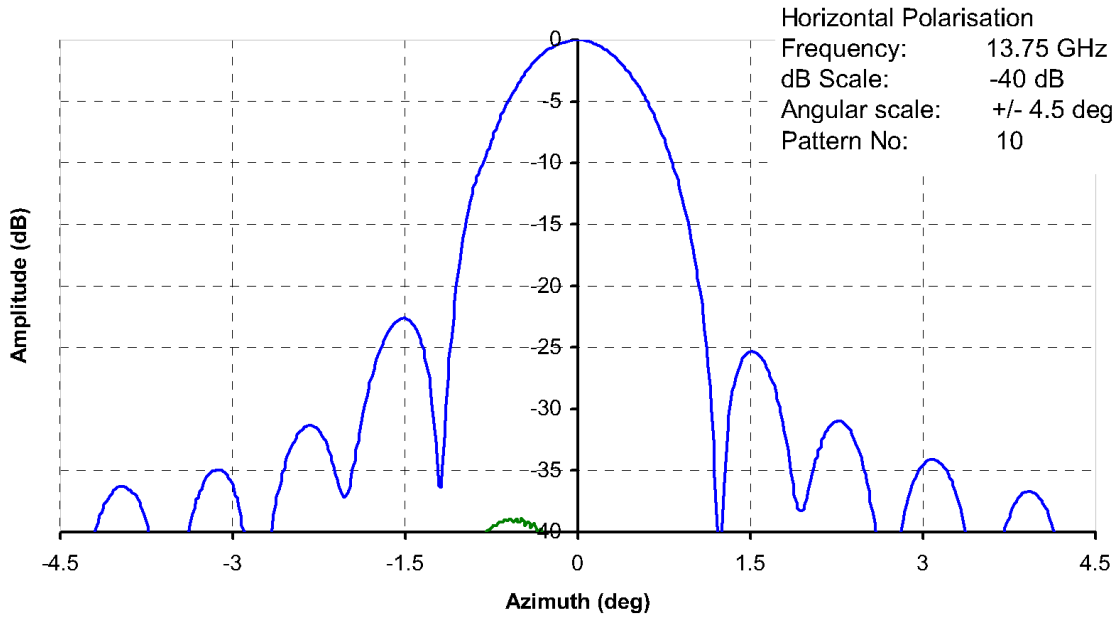
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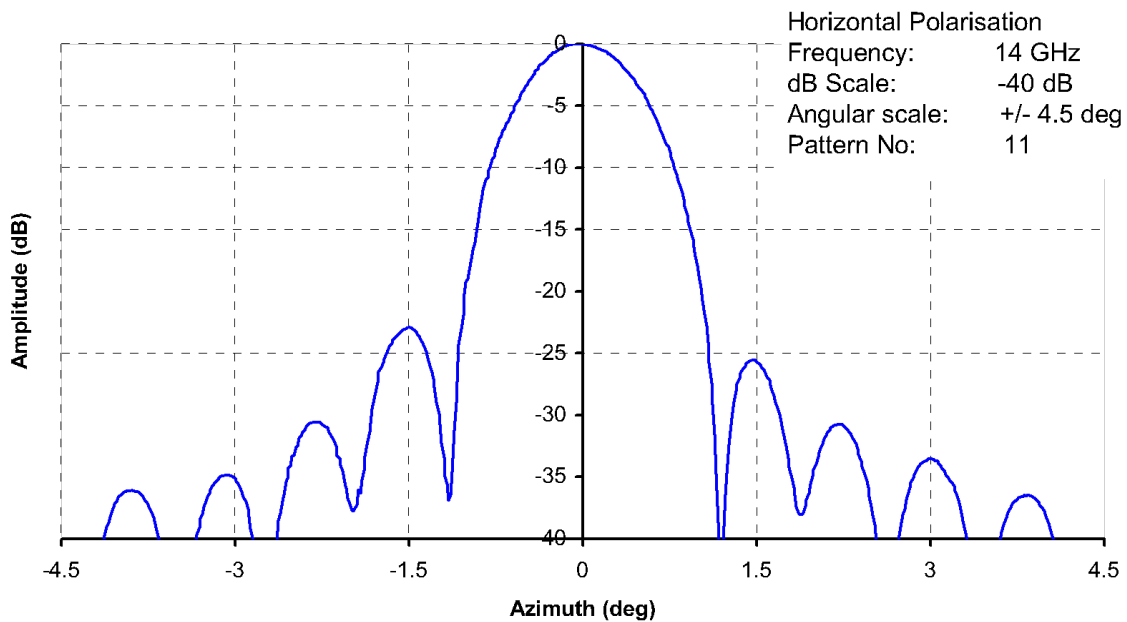
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Drive-Away Satellite Communication PIONEER Class

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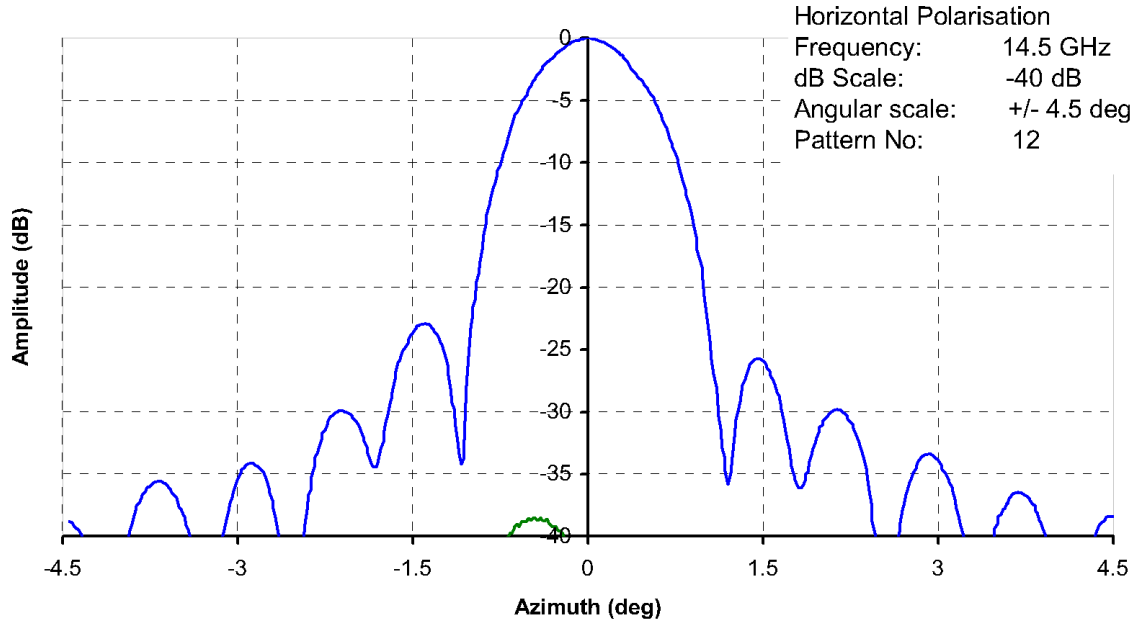
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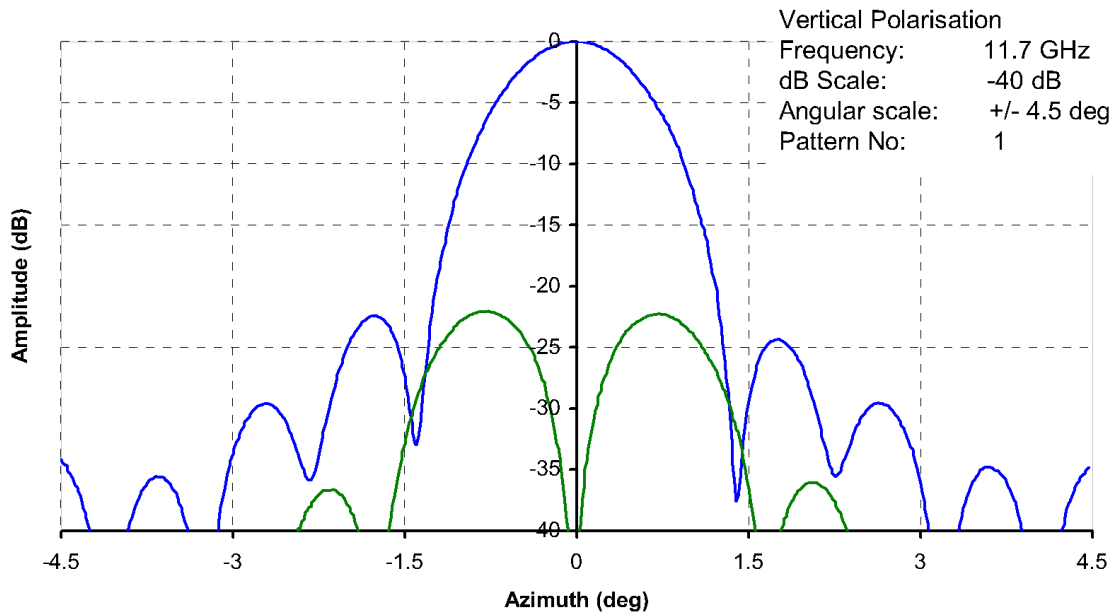


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1.5m Solid Data File: Adv2 Adv5



1.5m Solid Data File: Adv6 Adv7



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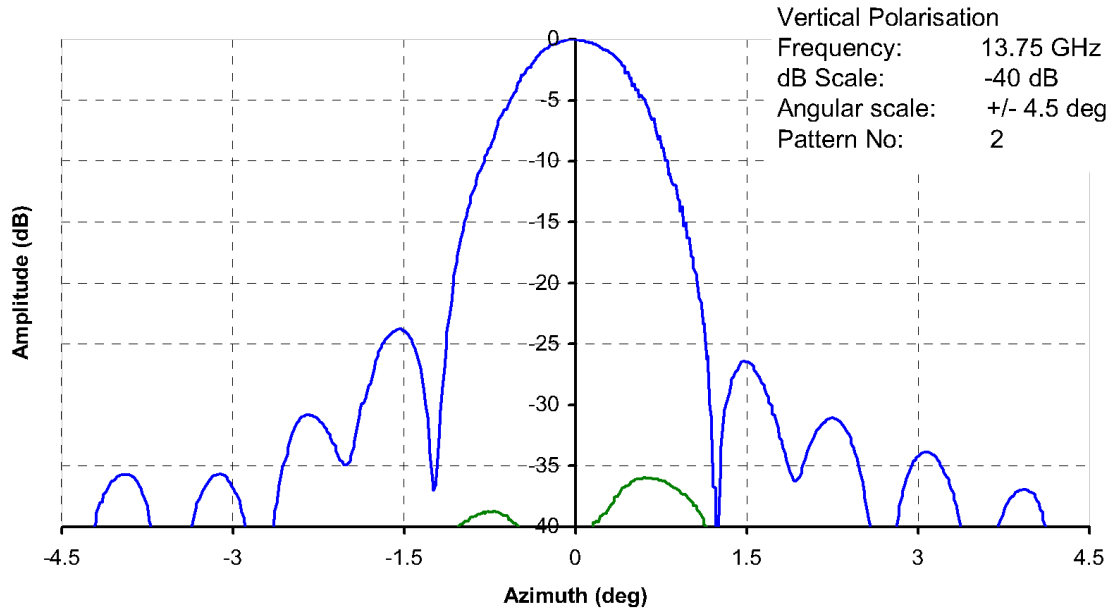
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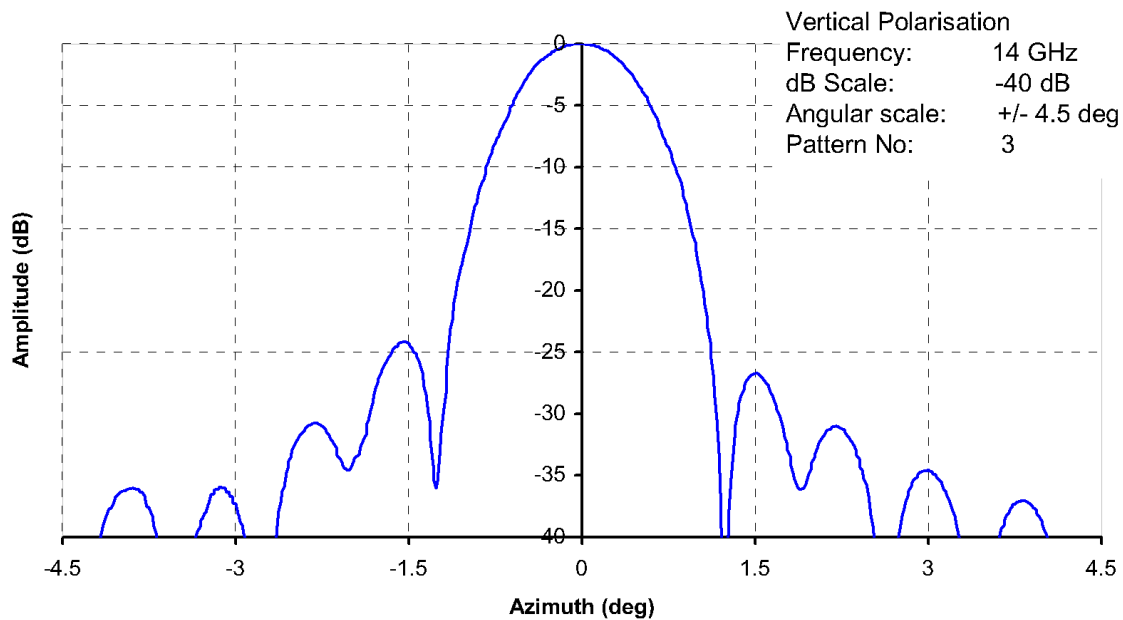


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1.5m Solid Data File: Adv6 Adv7



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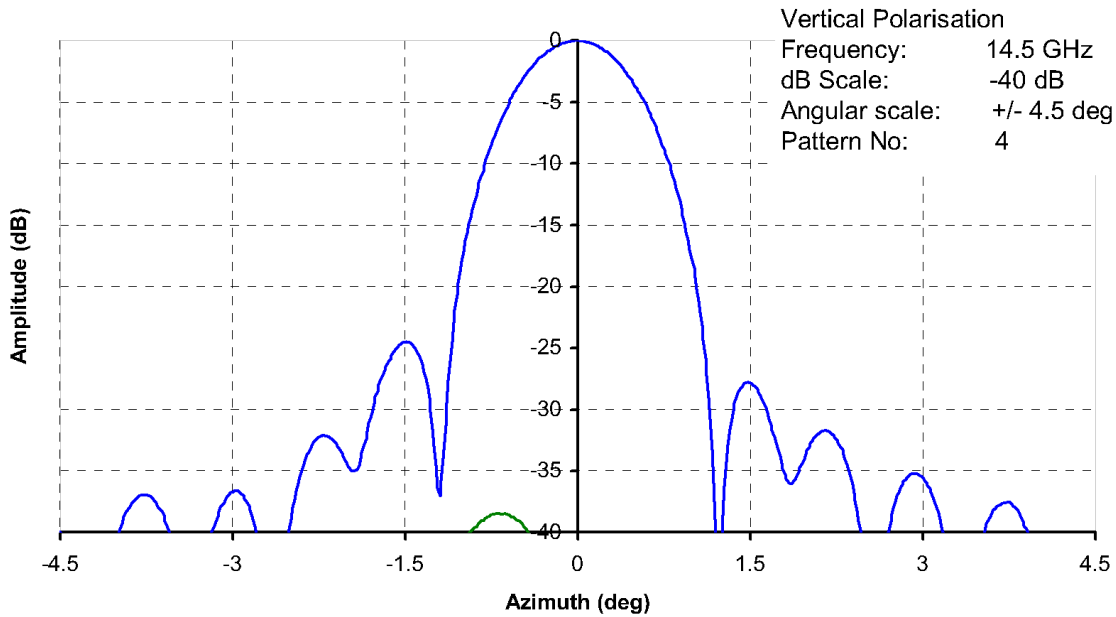
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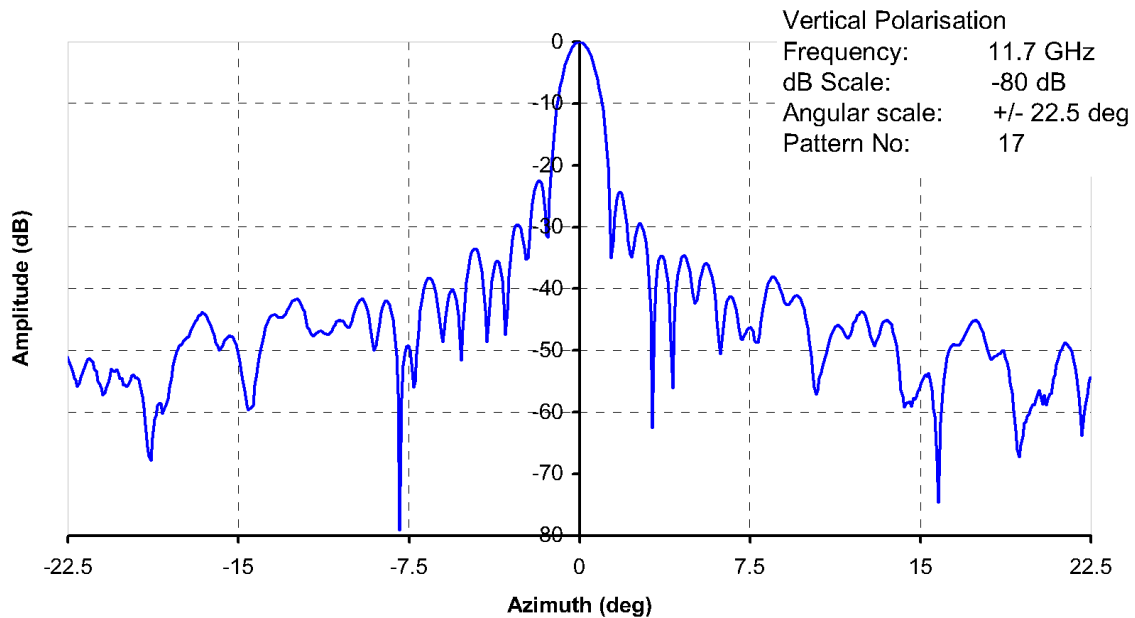


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1.5m Solid Data File: Adv6 Adv7



1.5m Solid Data File: Adv10



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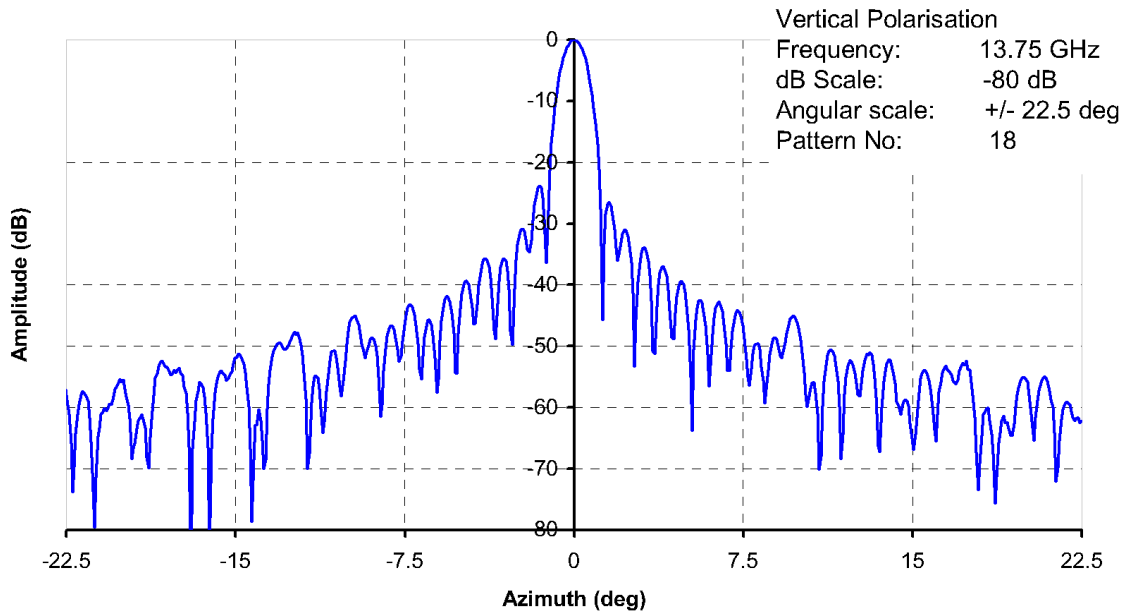
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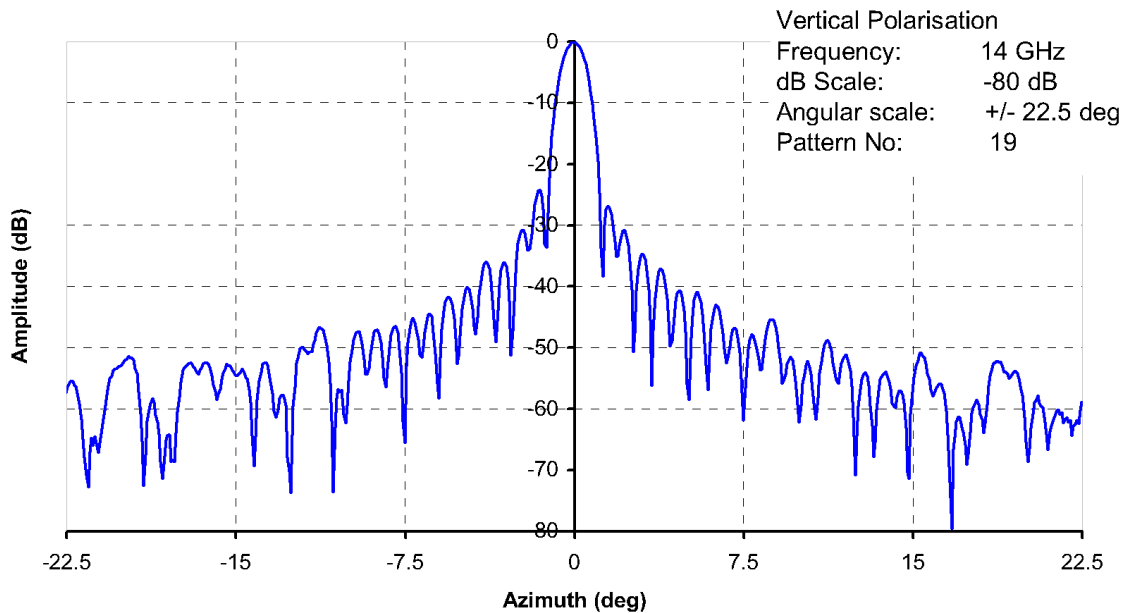


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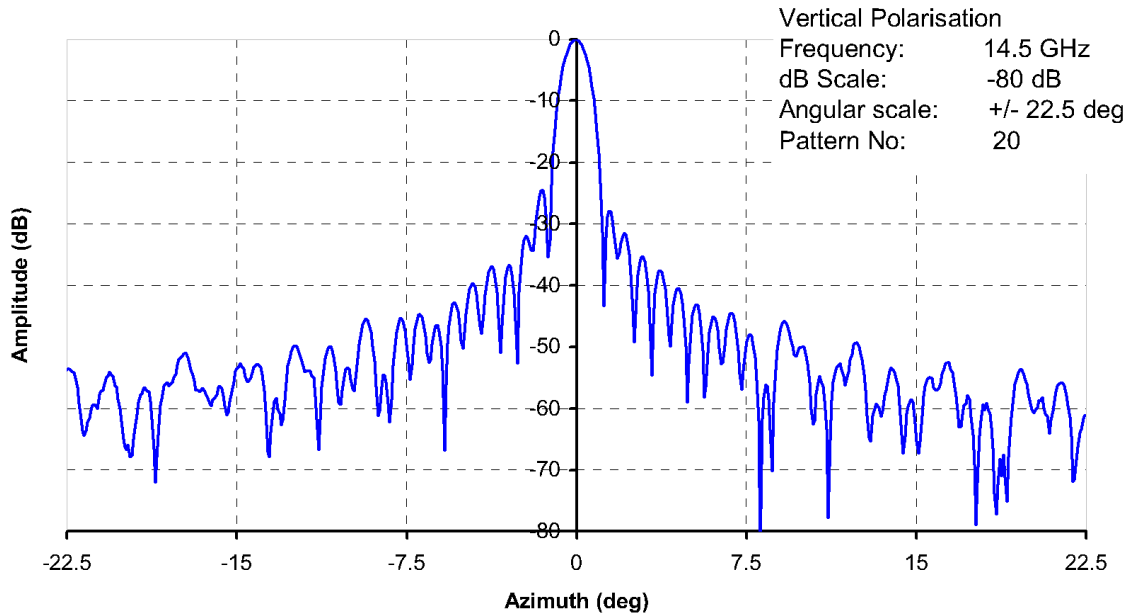
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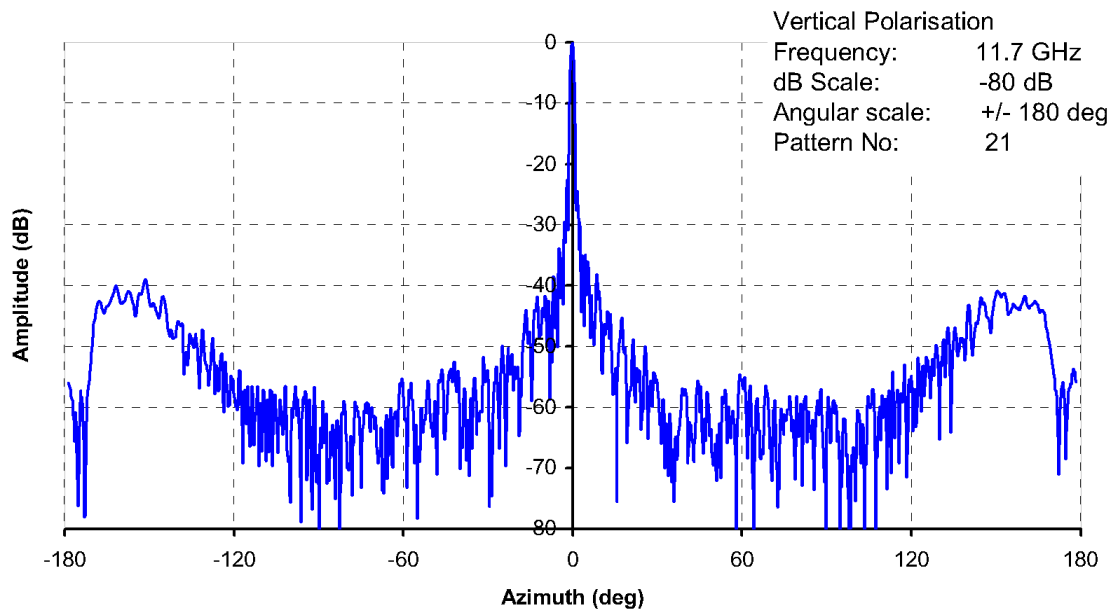


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1.5m Solid Data File: Adv10



1.5m Solid Data File: Adv11



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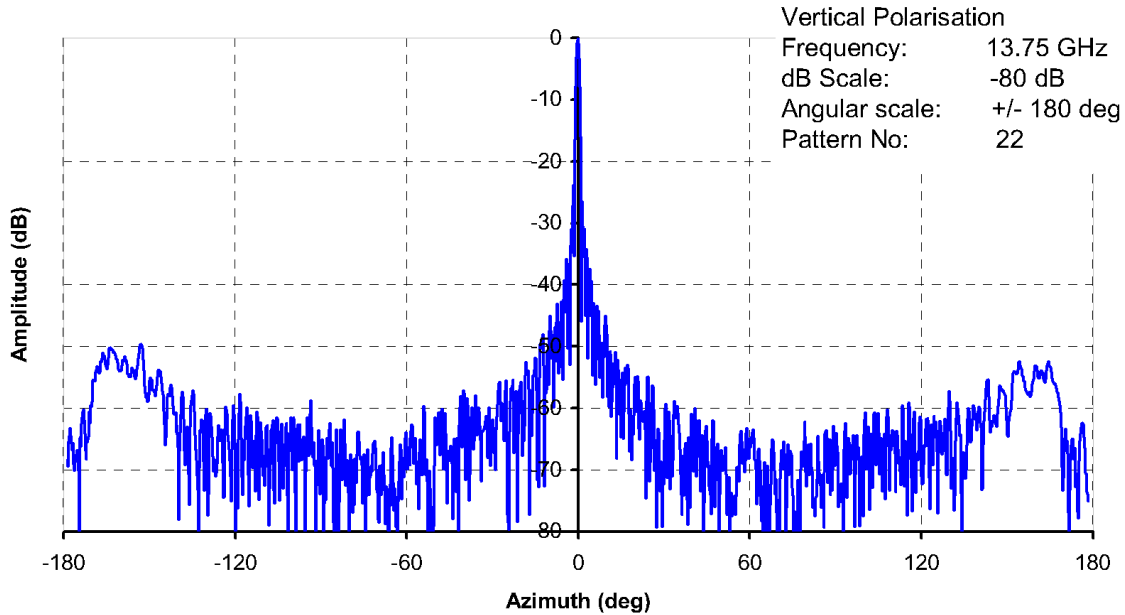
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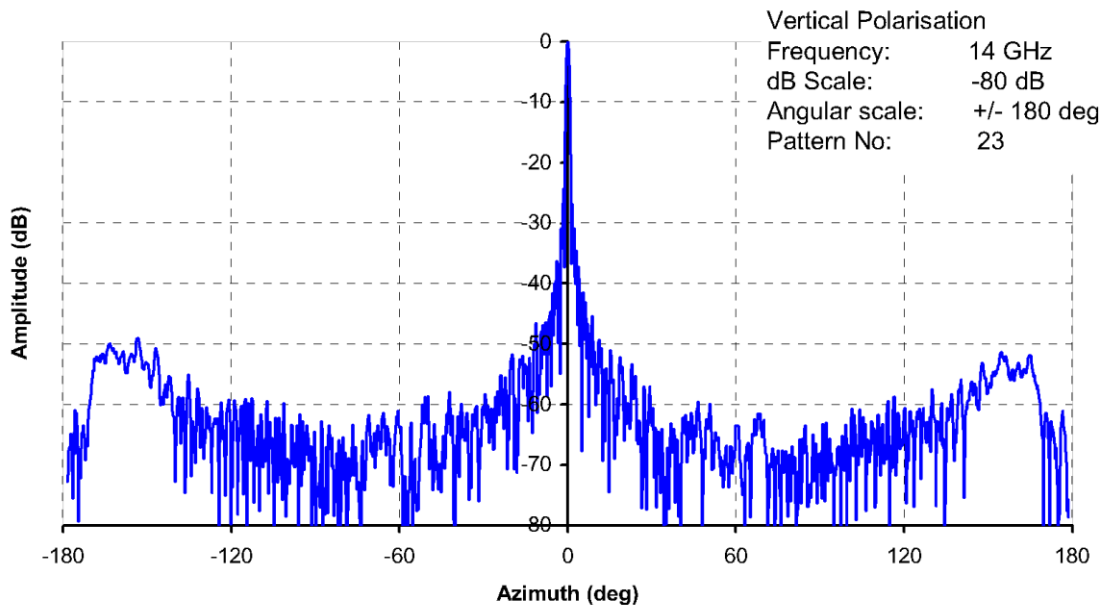


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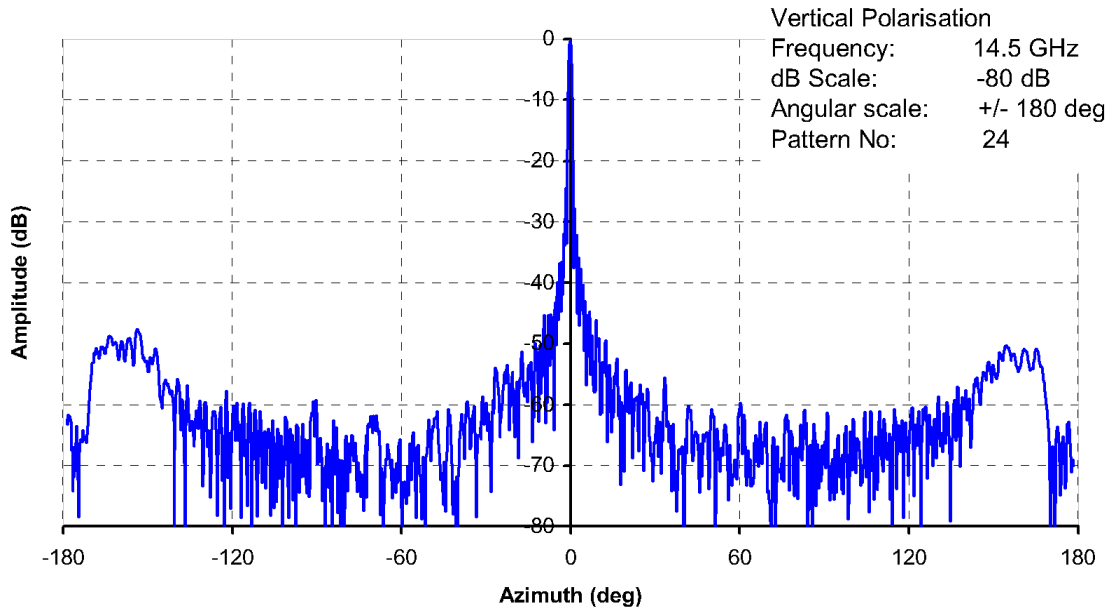
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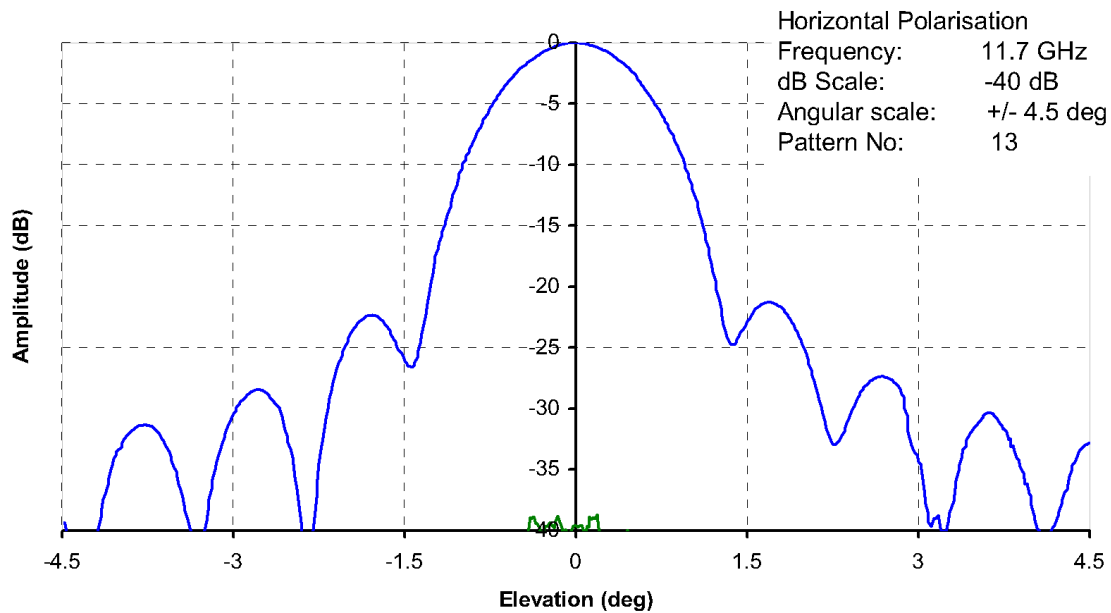


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1.5m Solid Data File: Adv3 Adv4



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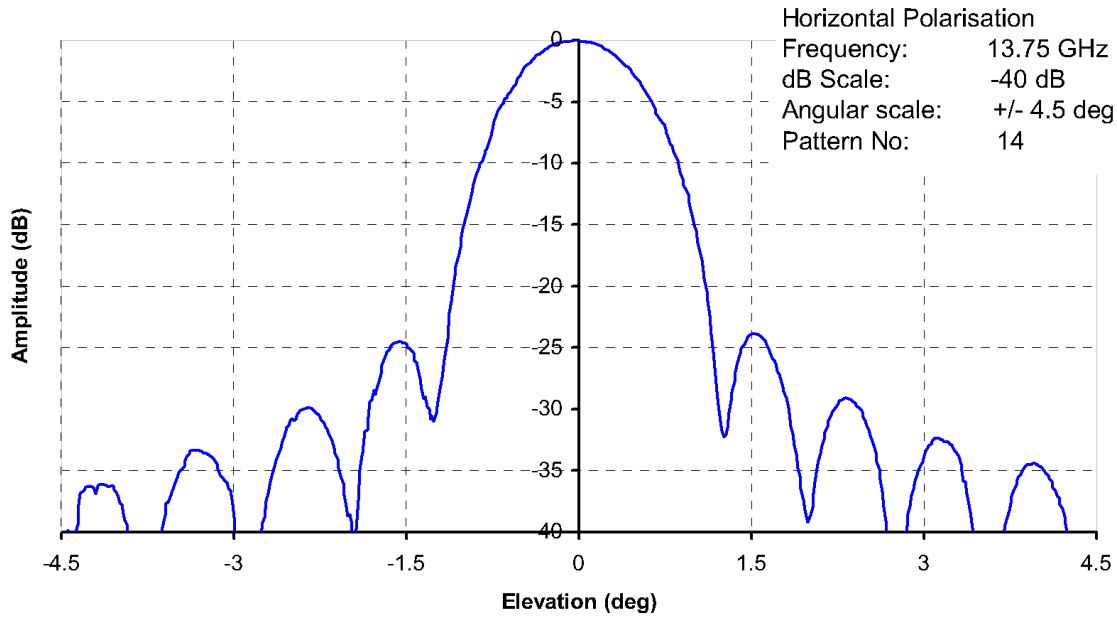
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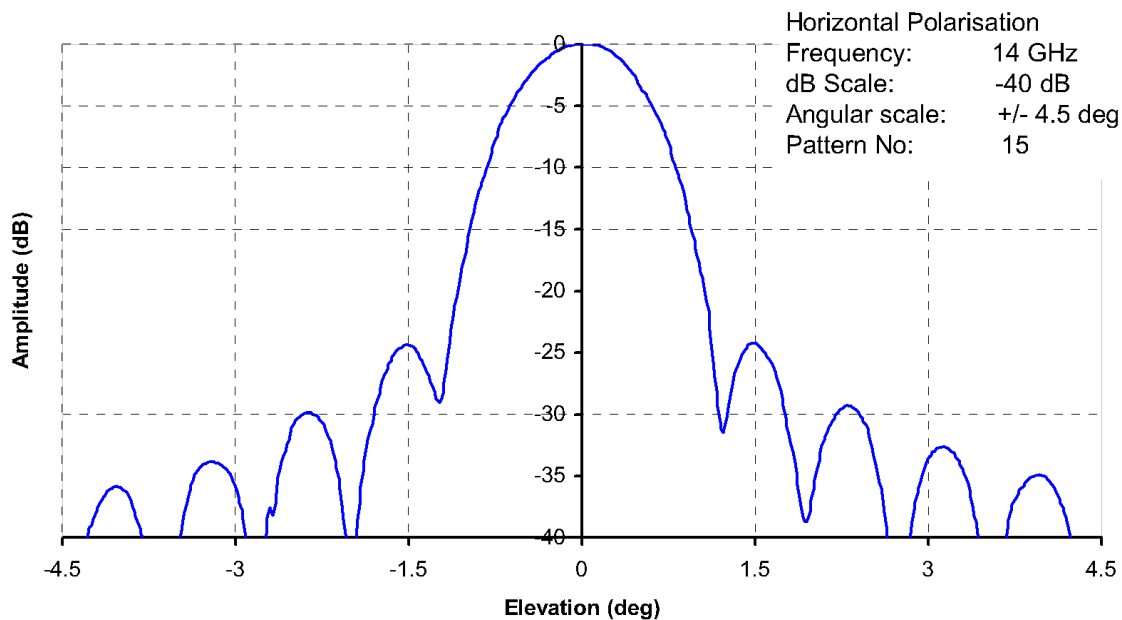


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1.5m Solid Data File: Adv3 Adv4



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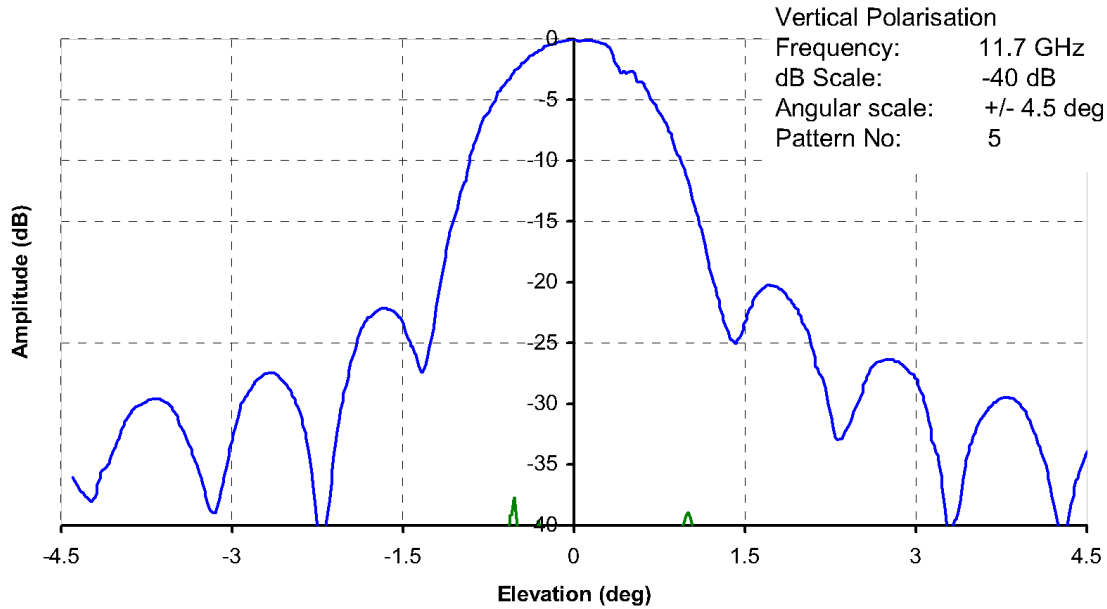
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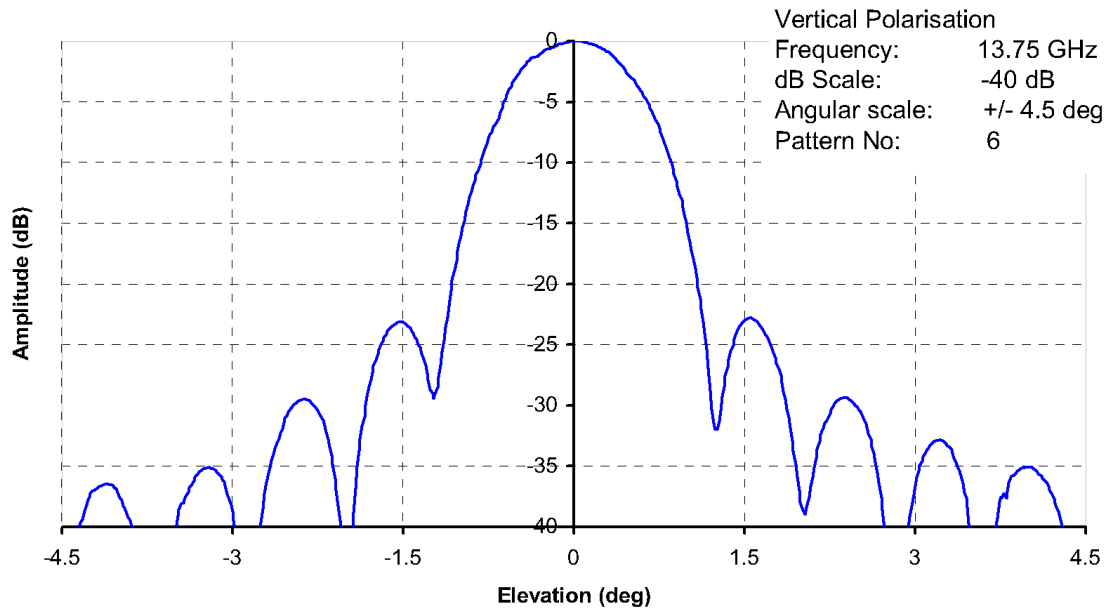


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1.5m Solid Data File: Adv9 Adv8



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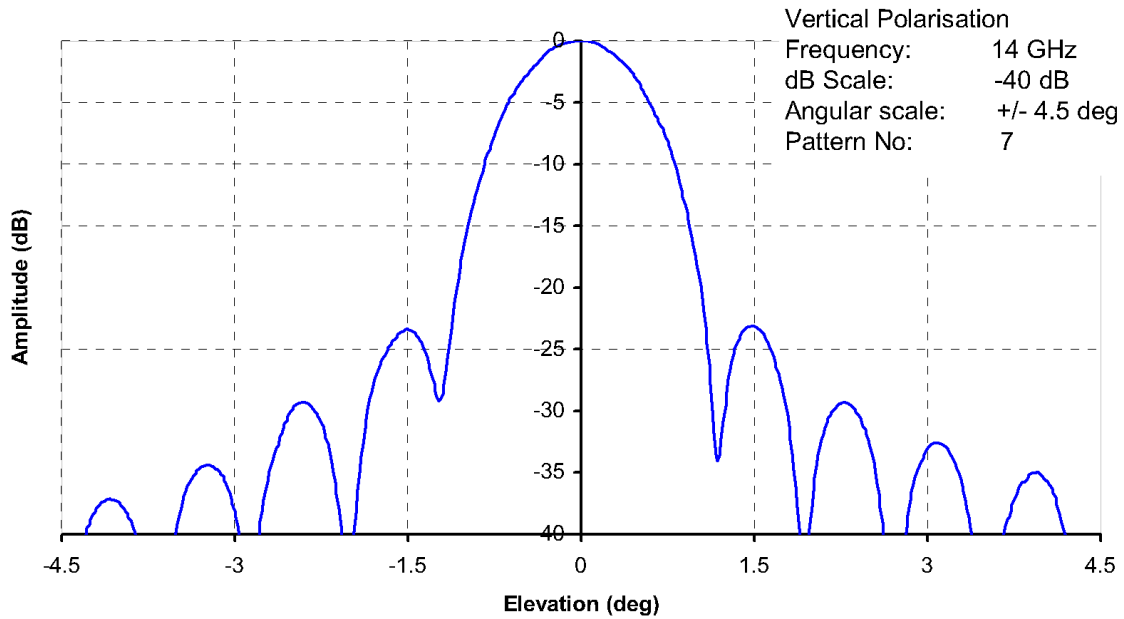
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