

## VHF aerials

## BAND III high performance wideband



High quality pre-assembled aerials with a patent protected design and aesthetic innovations.

Important characteristics include: high gain, optimised impedance matching and excellent directivity.

Superior electrical and mechanical qualities due to the magnesium - aluminium alloy construction, guaranteeing long life.

The new white rounded plastic mouldings match the SIGMA's family of aerials perfectly.

## Main Specifications

- Band III aerials
- 4 or 6 elements
- Impedance 75 Ohm
- F connector
- High gain
- High return loss
- Good directivity

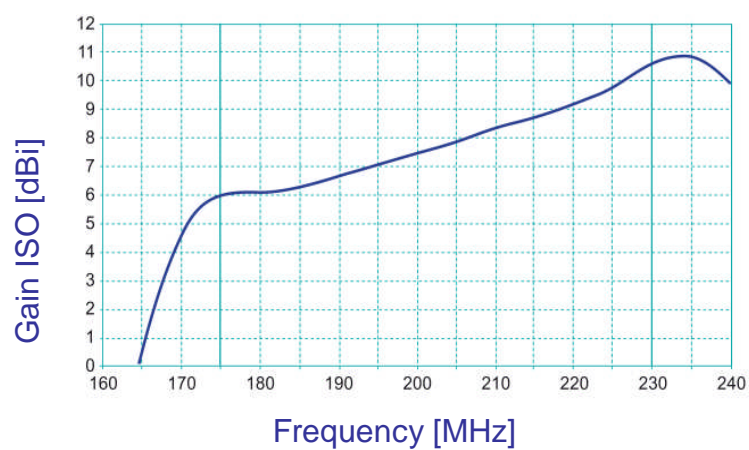
		BLV4F	BLV6F
Fracarro code		218038	218058
Elements	No.	4	6
Band		III	III
Channels	Europe	E5-E12	E5-E12
Technical Characteristics			
Bandwidth	MHz	174 – 230	174 – 230
Maximum gain	dBi	10	13
Front-to-back ratio	dB	20	24
Return loss	dB	-23	-22
Beamwidth (-3dB)	°	+/-31	+/-24
Impedance	Ohm	75	
Mechanical Characteristics			
Dimensions (L x W)	cm	64 x 87	149 x 87
Maximum mast Ø	mm	60	
Wind load at 120Km/h (720N/m <sup>2</sup> )	Kg (N)	3.0 (29.43)	4.5 (44.14)
Connector	Type	F	
Accessories			
Horizontal polarisation		Included	
Horizontal polarisation with tilt adj.		Included	
Vertical polarisation		PV10	
Vertical polarisation with tilt adj.		PV10	
Auxiliary boom		N/A	

Fracarro code	Article	Packaging	Quantity	Dimensions	Unit weight	Total weight
			Pcs	mm	Kg	Kg
218038	BLV4F	Box	10	830×770×410	1.23	14.50
218058	BLV6F	Box	3	1000×610×135	2	6

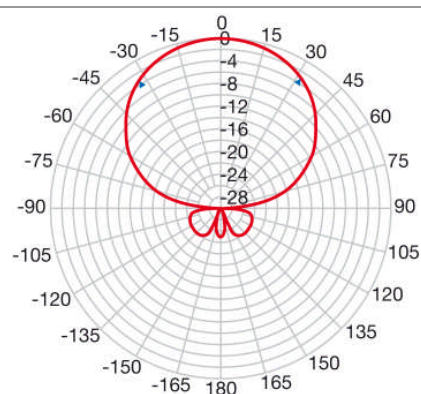
## FREQUENCY PERFORMANCE

BLV4F

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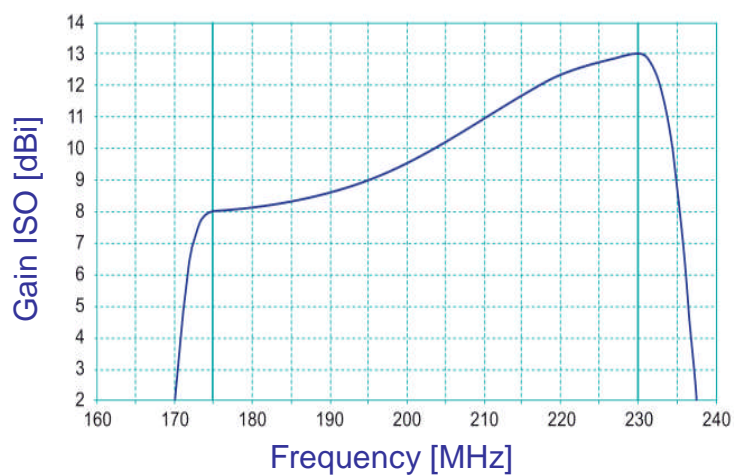
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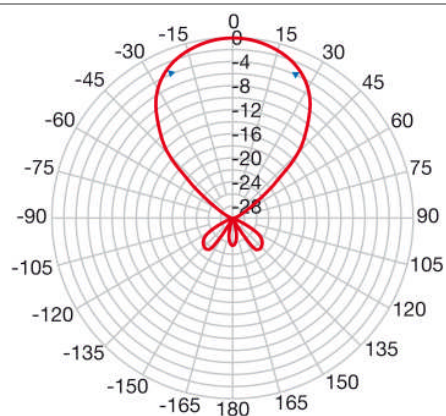
## FREQUENCY PERFORMANCE

BLV6F

GAIN



DIRECTIVITY



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