

B4BE[E]-6-60 4G/5G Bracket Antenna

PANORAMA ANTENNAS

B4BE[E]-6-60



- Cost Effective 2G/3G/4G/5G coverage
- Wall, mast or panel mount
- Integrated low loss cable

The B4BE[E] antenna is a cost effective omni-directional broad band antenna for 4G/3G/2G and 5G devices from 617-960/1710-6000MHz and is suitable for external or internal installation.

The design of the mounting bracket enables simple wall mounting using the supplied screws and wall plugs or mast mounting using a pipe clip or cable ties (not supplied).

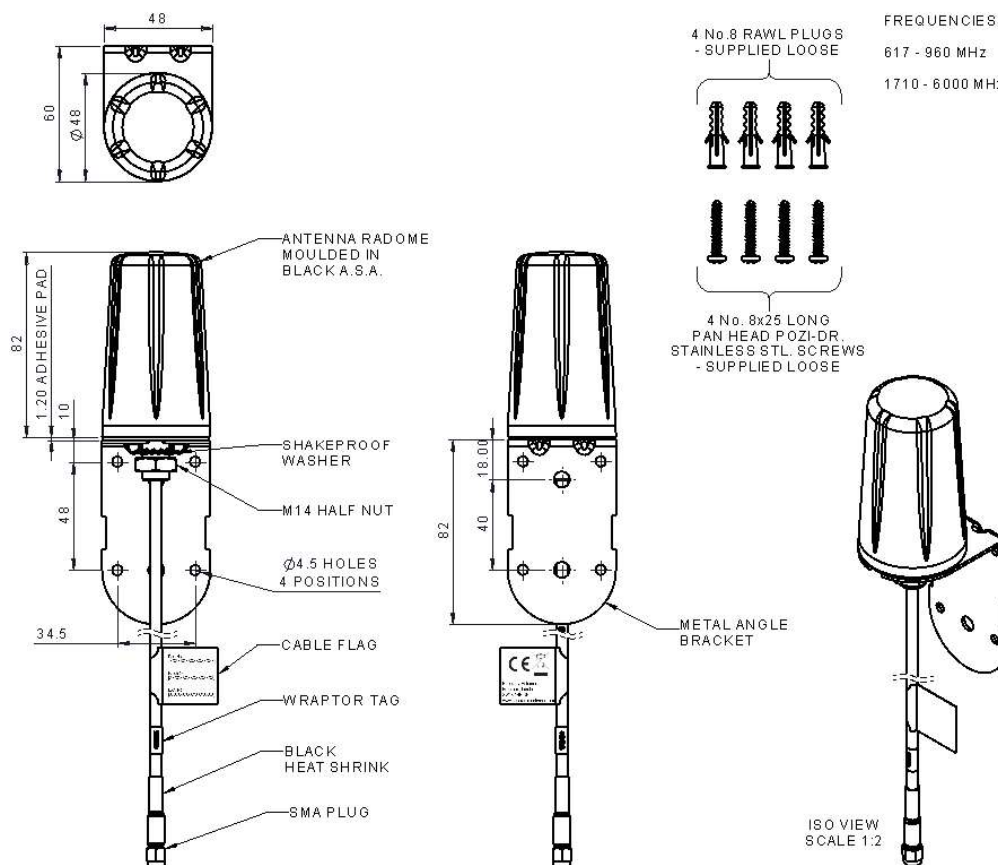
The omni-directional radiation pattern allows easy placement of the antenna in an elevated position.

The B4BE variant is supplied with integrated 5mm double shielded CS29 coaxial cable while the B4BEE variant is supplied with RG174 cable for shorter cable runs.

This antenna is an ideal solution for use in industrial and domestic environments with cellular modems/routers and Machine to Machine (M2M) wireless connectivity applications.

Technical Drawing

B4BE-6-60-5SP Shown



FREQUENCIES:

617 - 960 MHz
1710 - 6000 MHz

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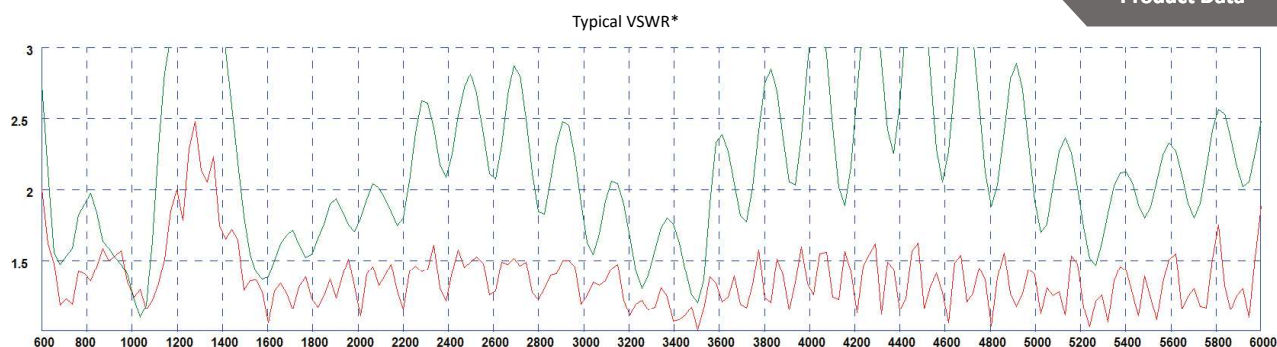
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Product Data



*Red Plot =VSWR measured on supplied bracket with 5m (16') of CS29 cable. Green Plot = VSWR measured on supplied bracket with 0.5m (1.5') of CS29 cable.

Part No.

B4BE-6-60-05SP

B4BE-6-60-5SP

B4BEE-6-60-2SP

Electrical Data

Frequency Range (MHz) 617-960 / 1710-6000

Operational Band 2G/3G/4G/5G

Peak Realised Gain: Isotropic*	698-960MHz	2dBi
	1710-2700 MHz	3.5dBi
	3400-3800MHz	5dBi
	4.9-6000Mhz	7dBi

VSWR <2.5:1

Nominal Radiated Efficiency* > 70%

Polarisation Vertical

Pattern Omni-directional

Impedance 50Ω

Max Input Power (W) 30

Mechanical Data

Dimensions (mm)	Height mounted	164 (6.46")
	Diameter	48(1.89")

Operating Temp (°C) -40° / +85°C (-40° / 185°F)

Material ASA, aluminium, zinc plated steel

Colour Black & natural

Ingress Protection IP66

Mounting Data

Fixing Wall or mast mount

Mounting ScREW Diameter (mm) 4 (0.16")

Weight (g)	188	372
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Cable Data

Type	CS29 (double shielded RG58)	RG174
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Diameter (mm)	5 (0.19")	2.8 (0.1")
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Length (m)	0.5 (1.5')	5(17')	2 (6' 6")
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Termination	SMA plug		
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* Peak gain and efficiency simulated in CST microwave studio on a bracket excluding cable loss

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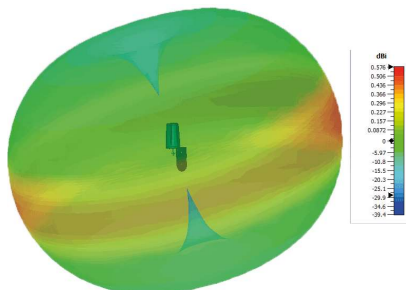
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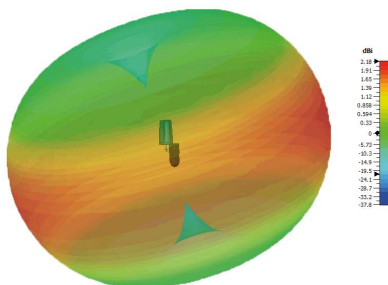
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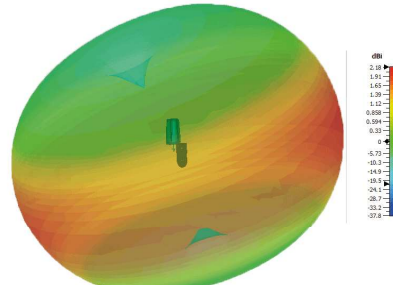
3D Plot (600 MHz)



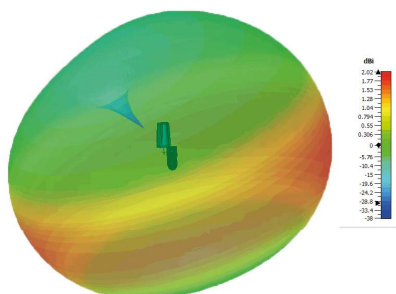
3D Plot (700MHz)



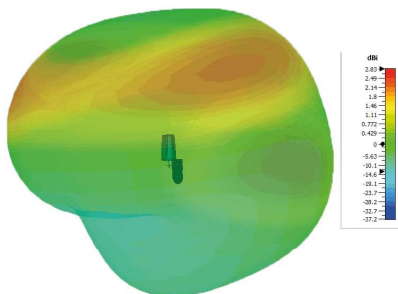
3D Plot (800MHz)



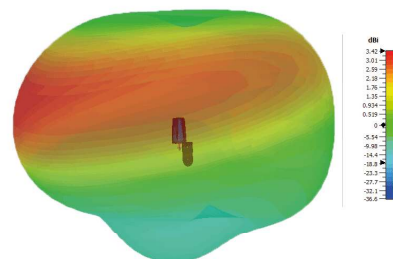
3D Plot (900MHz)



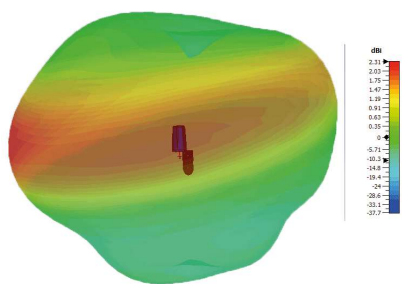
3D Plot (1800MHz)



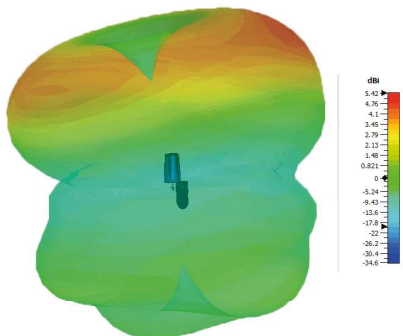
3D Plot (2100MHz)



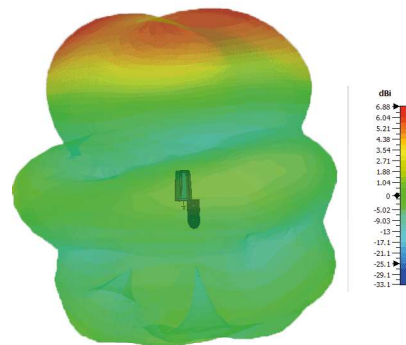
3D Plot (2600 MHz)



E Plane Plot (3600MHz)



H Plane Plot (5400MHz)



All measurements simulated in CST Microwave Studio without cable

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