

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

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).

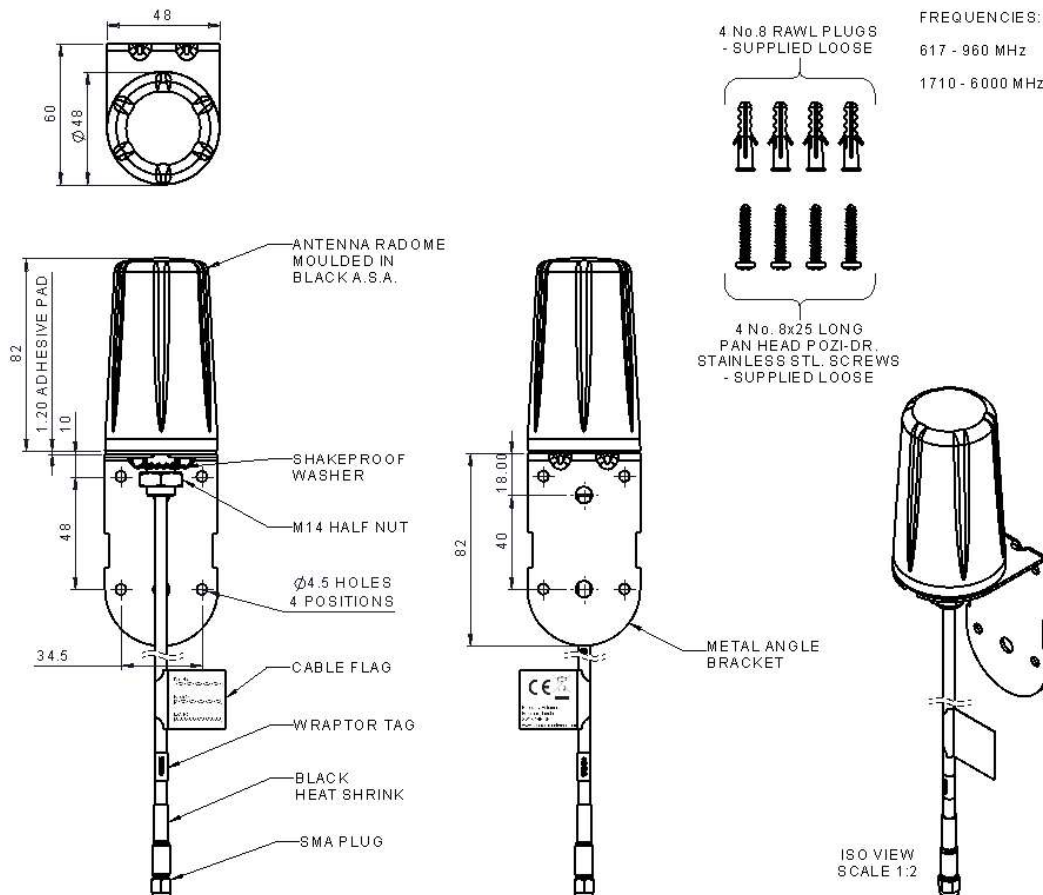
The omni-directional radiation pattern allows easy placement of the antenna in an elevated position.

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

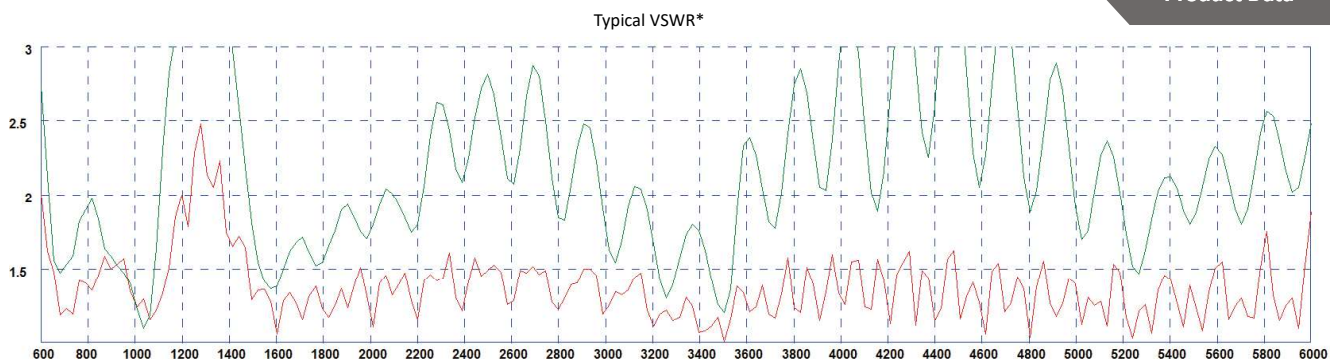
B4BE-6-60-5SP Shown



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

B4BE[E]-6-60

## 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

698-960MHz

2dBi

Peak Realised  
Gain: Isotropic\* 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 Height mounted

164 (6.46")

(mm) Diameter

48(1.89")

Operating Temp (°C)

-40° / +85°C ( -40° / 185°F )

Material

ASA, aluminium, zinc plated steel

Material Approvals

Radome ASA Material - UL 746C F2, UL 94-HB

Colour

Black & natural

Ingress Protection

IP66

### Mounting Data

Fixing

Wall or mast mount

Mounting Scew Diameter (mm)

4 (0.16")

Weight (g)

188

372

### Cable Data

Type

CS29 (double shielded RG58)

RG174

Diameter (mm)

5 (0.19")

2.8 (0.1")

Length (m)

0.5 (1.5')

5(17')

2 (6' 6")

Termination

SMA plug

\* Peak gain and efficiency simulated in CST microwave studio on a bracket excluding cable loss

### Panorama Antennas Ltd

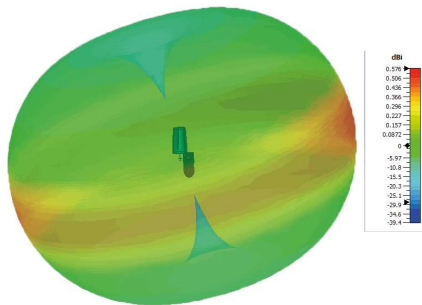
Frogmore, London, SW18 1HF, United Kingdom  
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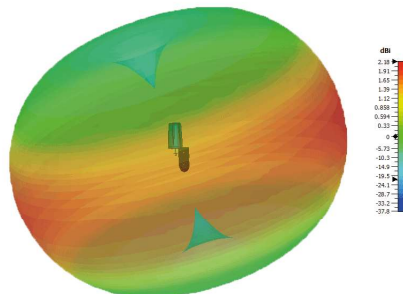
B4BE[E]-6-60

## Electrical Data

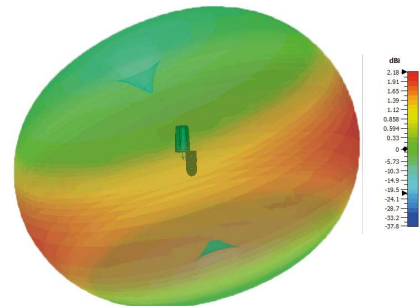
3D Plot (600 MHz)



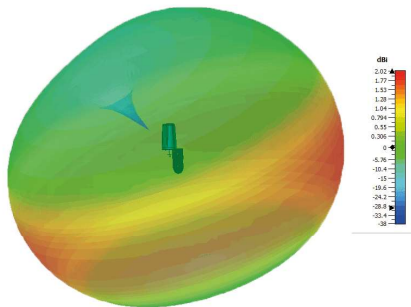
3D Plot (700MHz)



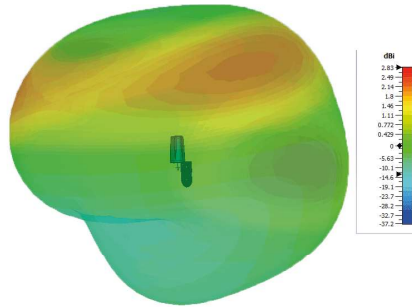
3D Plot (800MHz)



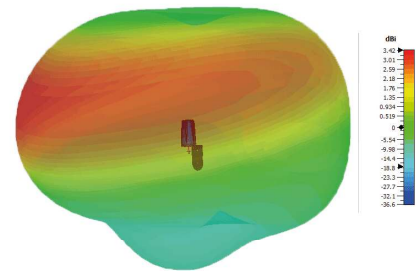
3D Plot (900MHz)



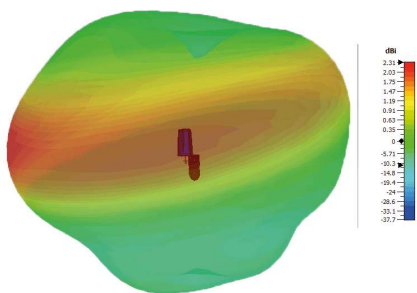
3D Plot (1800MHz)



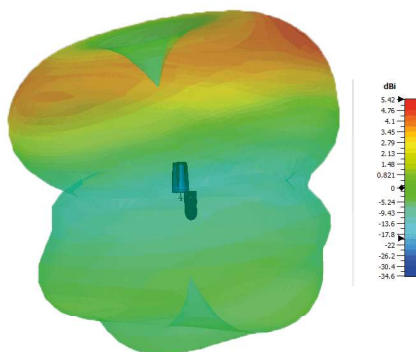
3D Plot (2100MHz)



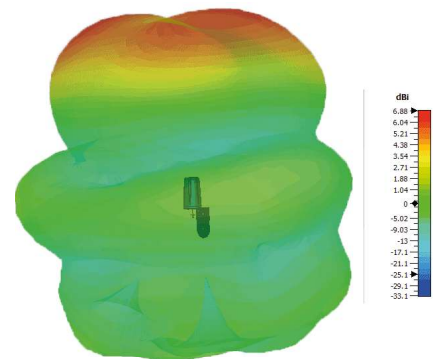
3D Plot (2600 MHz)



E Plane Plot (3600MHz)



H Plane Plot (5400MHz)



All measurements simulated in CST Microwave Studio without cable