

# 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).

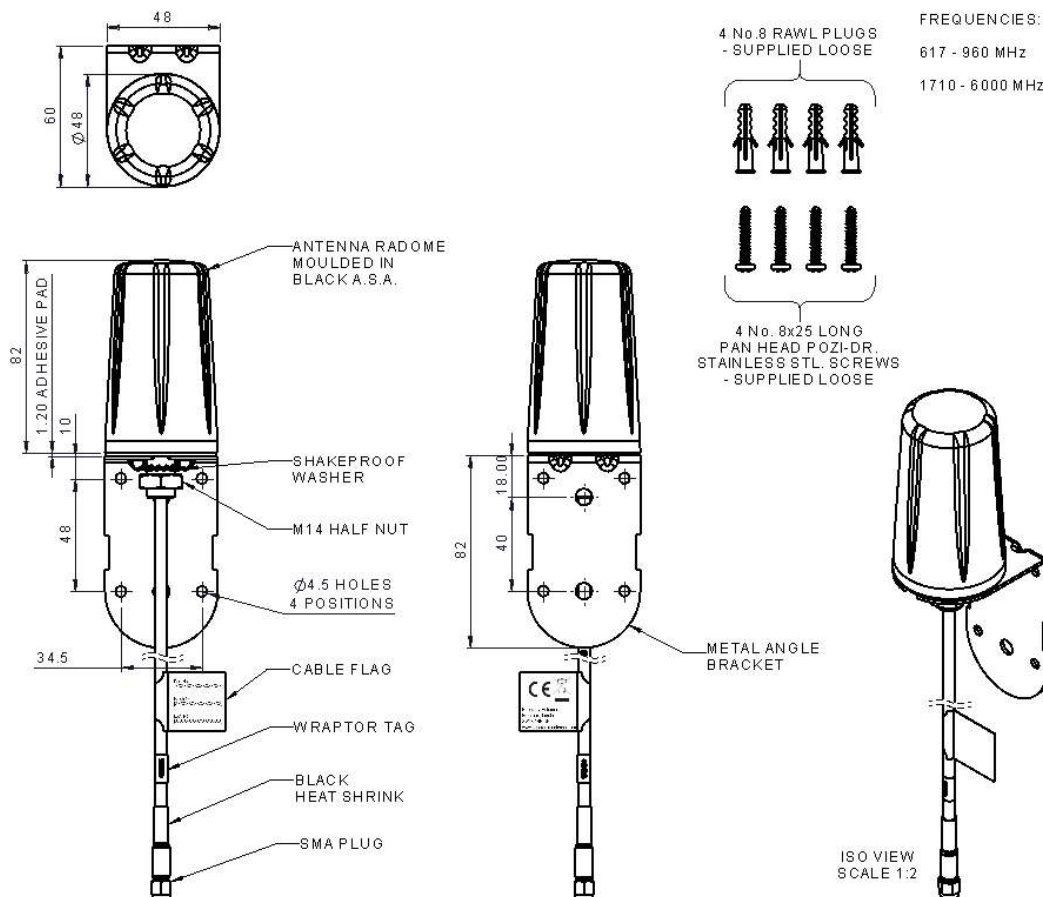
The omni-directional radiation pattern allows easy placement of the antenna in an elevated position.

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

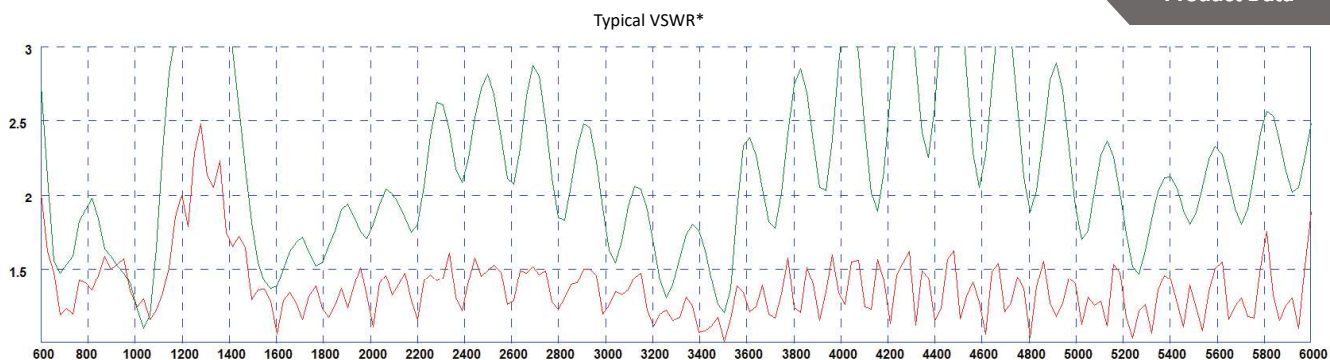
B4BE-6-60-5SP Shown



# 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 (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	
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	

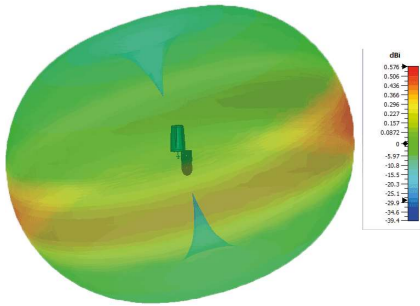
\* Peak gain and efficiency simulated in CST microwave studio on a bracket excluding cable loss

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

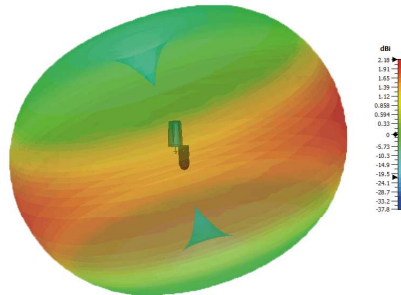
B4BE[E]-6-60

## Electrical Data

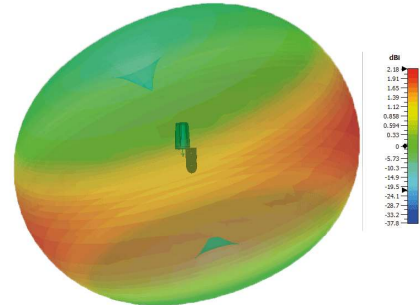
3D Plot (600 MHz)



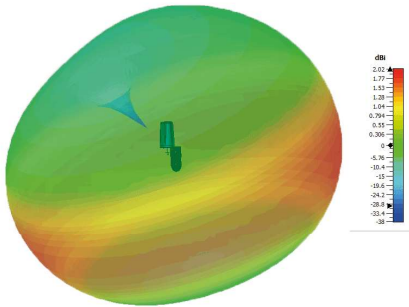
3D Plot (700MHz)



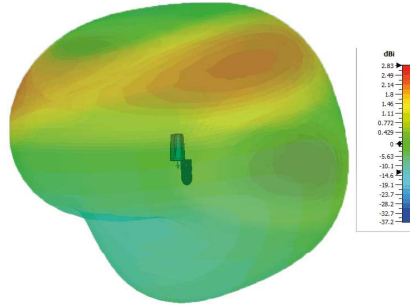
3D Plot (800MHz)



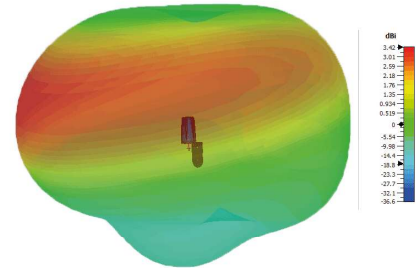
3D Plot (900MHz)



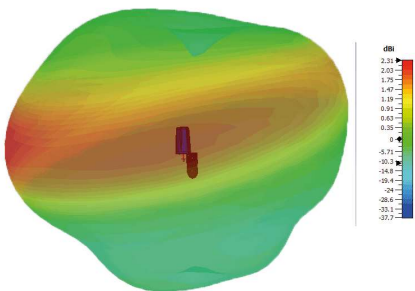
3D Plot (1800MHz)



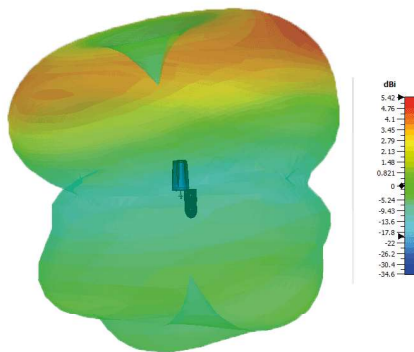
3D Plot (2100MHz)



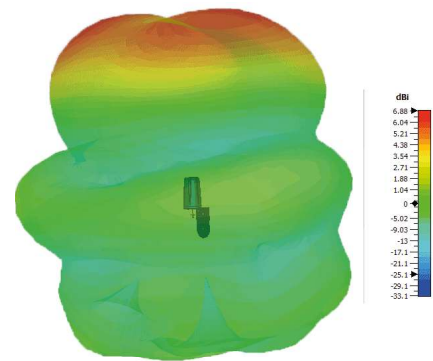
3D Plot (2600 MHz)



E Plane Plot (3600MHz)



H Plane Plot (5400MHz)



All measurements simulated in CST Microwave Studio without cable