

PCQ-TNC-BADEP3G

2G/3G/4G TNC Terminal Antenna

Issue Date:16/08/2018 v.1



Semi-flexible whip
TNC (m) connector
Ideal for LTE cat M1 / NB-IOT

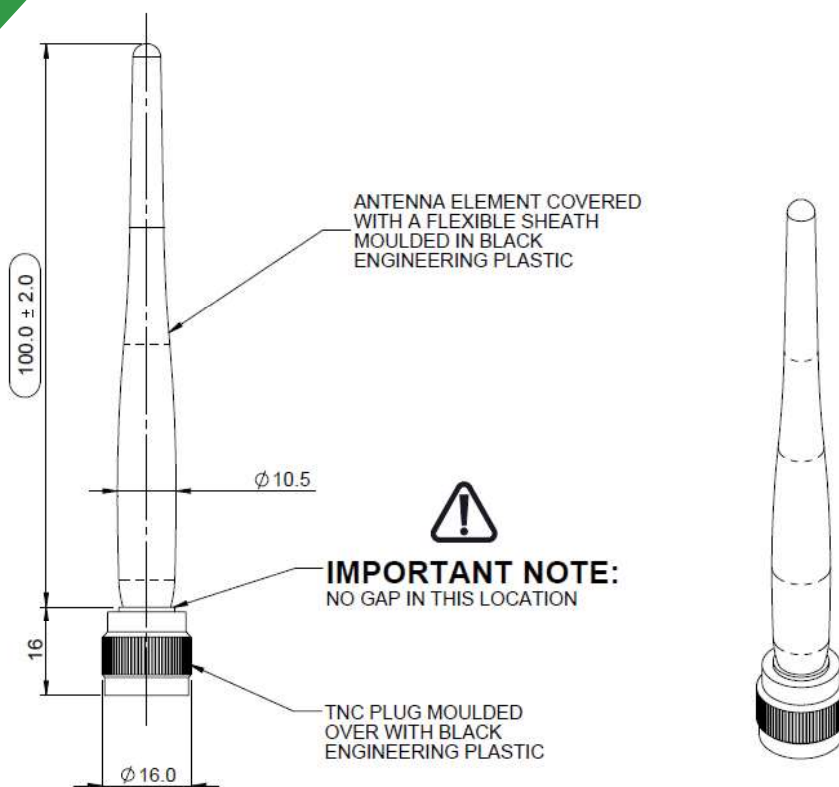
The Panorama PCQ-TNC-BADEP3G antenna is designed to decrease the lifetime cost of M2M and IOT installations by offering a robust, effective antenna that is easy to install.

The antenna offers omni-directional performance across the 7/8/9/18/2100MHz bands. The efficient element design ensures a high first time connection rate and an ongoing, robust communications link.

The antenna is designed to be mounted to an enclosure or panel fitted with a TNC bulkhead connector and requires a conductive ground plane ideally of 150x150mm (6" x 6") or more for optimal performance.+.

+Performance may change based on mounting surface.

Technical Drawing



Part No.

PCQ-TNC-BADEP3G

Electrical Data

Frequency Range (MHz) 698-960/1710-2170MHz

Peak Gain: Isotropic † 2dBi

Typical VSWR <2.5:1

Polarisation Vertical

Pattern Omni-directional

Impedance 50Ω

Max input power (W) 20

Mechanical Data

Dimensions (mm) Height 116 (4.56")

Diameter 16 (0.62")

Operating Temp (°C) -30° / +70°C (-30° / 158°F)

Material TPU, Polyamide, Brass

Colour Black

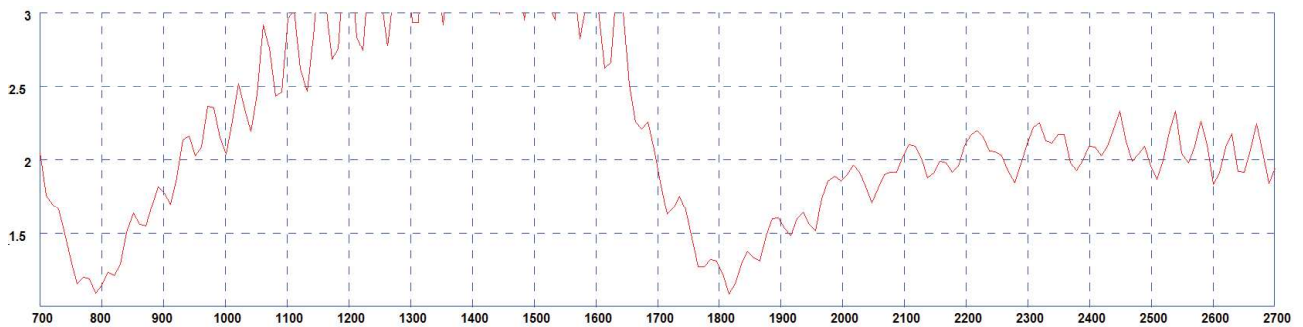
Termination / Mounting Data

Termination TNC (m)

† Peak gain measured with antenna mounted on metal sheet and does not include cable attenuation

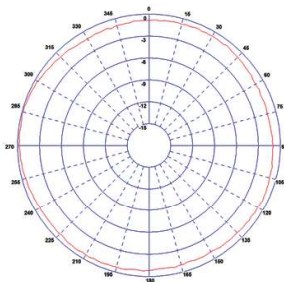
Typical VSWR*

VSWR

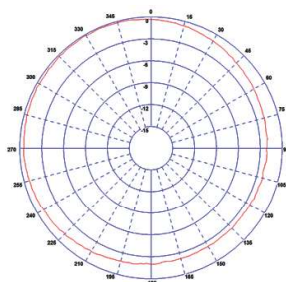


*Antenna VSWR measured with 2m (6'6") of CS23 cable on a 600x600mm (2'x2') ground plane

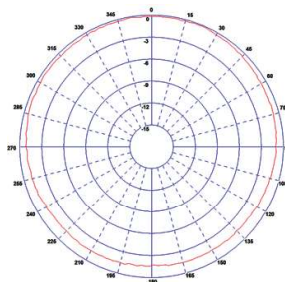
Typical H plane (700MHz)



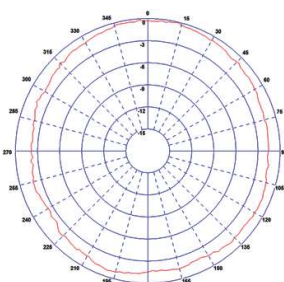
Typical H plane (800MHz)



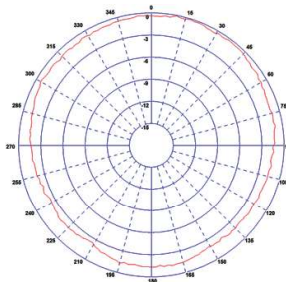
Typical H plane (900MHz)



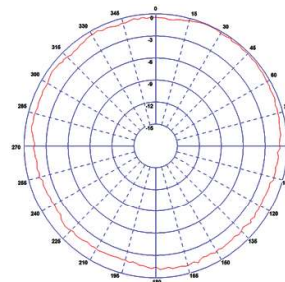
Typical H plane (1800MHz)



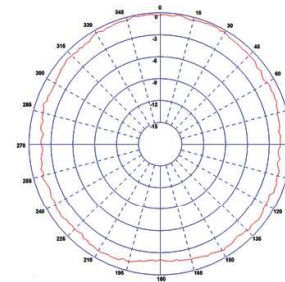
Typical H plane (1900MHz)



Typical H plane (2000MHz)



Typical H plane (2170MHz)



Patterns



Panorama Antennas Ltd
Frogmore, London, SW18 1HF, United Kingdom

T: +44 (0)20 8877 4444
F: +44 (0)20 8877 4477
E: sales@panorama-antennas.com
www.panorama-antennas.com

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