## Datasheet

# **BC80-XG Series**

#### LTE 850 MHz Omni Base Station Antenna Series

The BC80-XG series offers high gain antennas for the LTE850 and 5GNR bands; n5, n8, n18, n26 & n89.

- Heavy duty construction
- High power
- No groundplane needed
- All metal parts in the antenna are DC-grounded

### **ELECTRICAL SPECIFICATIONS**

Antenna Type	High Gain Broadband Co-linear
Frequency	824 - 880 MHz
Bandwidth	56 MHz
Impedance	50 Ohm
VSWR	< 1.5:1
Polarisation	Vertical
Gain	BC800-6G: 6 dBd, 8.15 dBi BC80-8G: 8 dBd, 10.15 dBi BC80-10G: 10 dBd, 12.15 dBi
Radiation Pattern	Omni Directional (Horizontal)
Half Power Beamwidth	BC80-6G: 14.0° BC80-8G: 10.5° BC80-10G: 7.0°
Max. Input Power	100 Watt
Antistatic Protection	Direct Ground

SCAN ANTENNA A/S | LITERBUEN 15 | 2740 SKOVLUNDE | DENMARK | +45 +454333 1620 Disclaimer: Here you find all products for a complete antenna system. One-stop supplier with focus on high quality products produced in EU. No matter which type of antenna you are searching for, you will find it here. Every effort has been made to ensure the accuracy of the information in this product sheet. Scan Antenna reserves the right to introduce changes to this information without notice. All rights reserved.

## Scan-Antenna®

## Datasheet

2/2

### MECHANICAL SPECIFICATIONS

Color	White and Silver
Length	BC80-6G: 1.8 m BC80-8G: 2.5 m BC80-10G: 3.2 m
Weight	BC80-6G: 2.6 kg BC80-8G: 2.6 kg BC80-10G: 5.0 kg
Mount type	Fixed Tube Mounting Bracket. Stainless Steel Mounting Hardware included.
Mounting Place	On vertical mast tube; Ø 35 - 60 mm
Materials	Brass, Copper, Fibreglass and Aluminium
Survival Wind Speed	45 m/s
Operating Temperature	-40 °C to +60 °C
Connector	Type N-female
Ingress protection	IP66
Serial no.	On product label

## ORDERING INFORMATION

BC80-6G	Individually packing in Carton tube
BC80-8G	Individually packing in Carton tube
BC80-10G	Individually packing in Carton tube

## PACKAGING INFORMATION

Туре

See "Part No."

SCAN ANTENNA A/S | LITERBUEN 15 | 2740 SKOVLUNDE | DENMARK | +45 +454333 1620 Disclaimer: Here you find all products for a complete antenna system. One-stop supplier with focus on high quality products produced in EU. No matter which type of antenna you are searching for, you will find it here. Every effort has been made to ensure the accuracy of the information in this product sheet. Scan Antenna reserves the right to introduce changes to this information without notice. All rights reserved.