

CA Q 14

Omnidirectional Antenna

Order # 723.894



FEATURES

- Omnidirectional polar pattern
- Triple band 2.4 / 5.2 / 5.8 MHz
- Suitable for remote ceiling mounting
- Polarisation vertical
- With N(HF) socket

APPLICATIONS

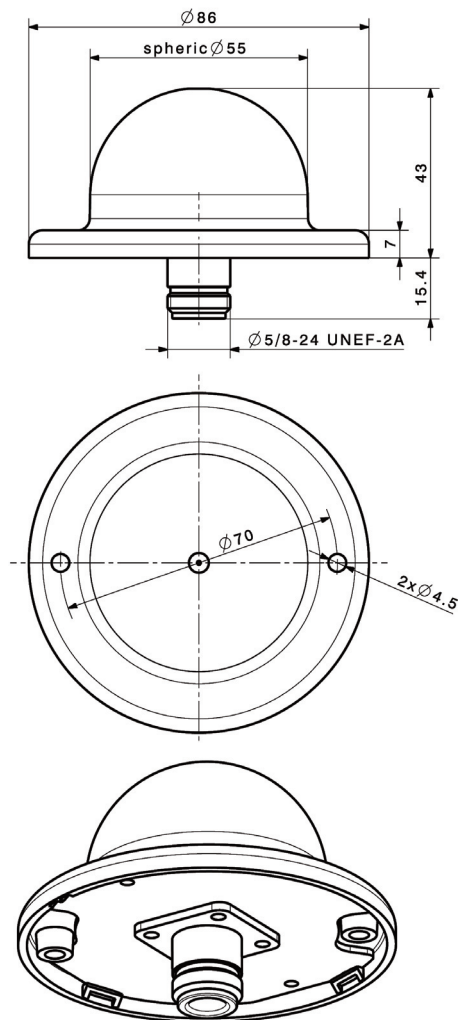
The CA Q 14 is suitable for remote ceiling mounting. The antenna features a rugged design according to EN 50155 aus. It is fire retardant according to NF-F 16-101, NF-F16-102 and provided with a protection against lightning. It is connected via an integrated N(HF) socket.

ARCHITECT'S SPECIFICATIONS

Omnidirectional antenna for Quinta CU. Triple band 2.4 / 5.2 / 5.8 GHz with N(HF) socket. For ceiling mounting. Gain 6 - 8 dBi. Impedance 50 ohms. Colour RAL 7044 (grey). New painting possible with colour that contains no metal.

Manufacturer: beyerdynamic
Type: CA Q 14

DIMENSIONS



Dimensions in mm

CA Q 14

TECHNICAL SPECIFICATIONS

General Data

Impedance 50 Ω
DC grounded yes
Polarisation vertical
Connector N jack (female), bottom
Max. power 75 W at 25 °C
Ground plane: Note that all VSWR values are guaranteed with and without metallic ground plane.

Mechanical Data

Dimensions (H x $\varnothing$) 43 x 86 mm
Weight 0.3 kg
Grounding acc. to UIC 533,
DC-grounded
antenna element
Corrosion low corrosion acc. to
MIL-F-14072(E)

Environmental Data

Environmental conditions Indoor
Operation temperature -40 to +80 °C
Storage temperature -40 to +80 °C
Transport temperature -40 to +80 °C
IP Rating IP 67
compliant with RoHS 2002/95/EC
Environmental tests acc. to EN 50155:2004

Material Data

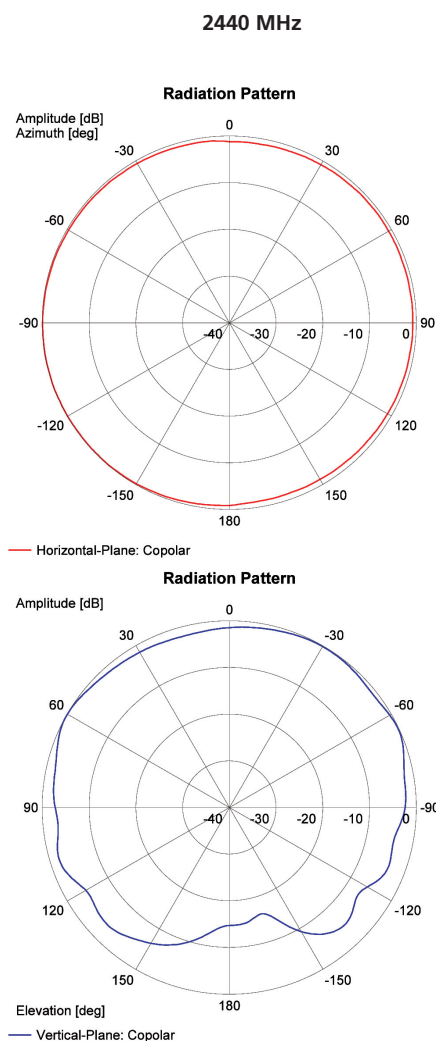
Colour RAL 7044 (grey)
Material PC
Back plate / base plate colour RAL 7044 (grey)
Back plate / base plate material Aluminium

TECHNICAL SPECIFICATIONS

Electrical Data

Frequency (MHz) Band 1
2400 - 2500
VSWR 1,8
Gain (dBi) 6
3 dB beamwidth (h) (°) 360

POLAR PATTERN



CA Q 14

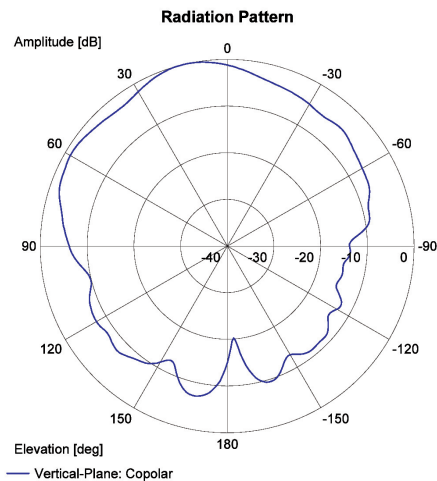
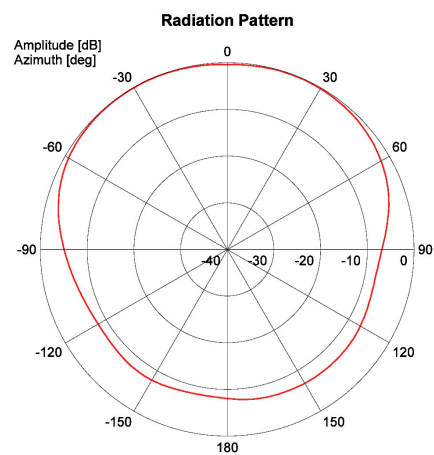
TECHNICAL SPECIFICATIONS

Electrical Data

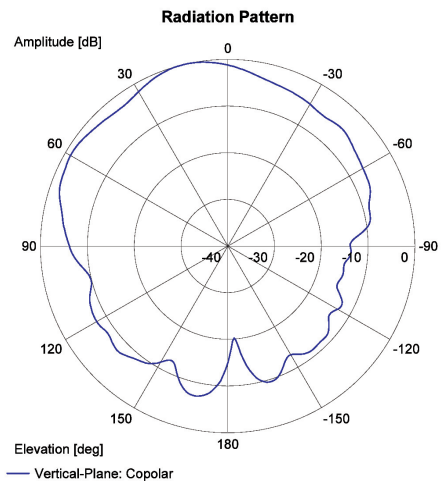
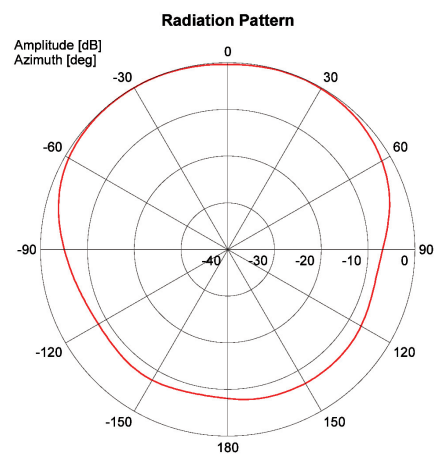
Frequency (MHz)	Band 2	Band 3
	4900 - 5470	5470 - 5935
VSWR	1.8	1.8
Gain (dBi)	8	8
3 dB beamwidth (h) (°)	150	170

POLAR PATTERN

5250 MHz



5850 MHz



CA Q 14

MOUNTING

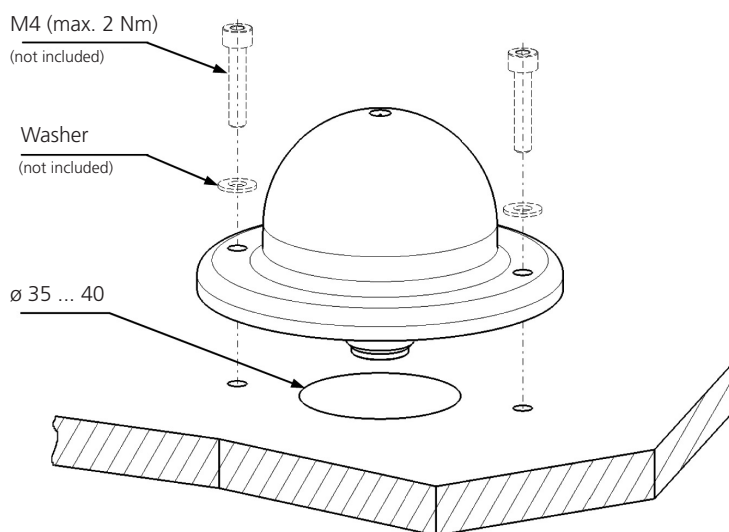


Keep away from catenary and high voltage lines.
Be careful when working at height!
Always secure ladders!
Always tighten screws!

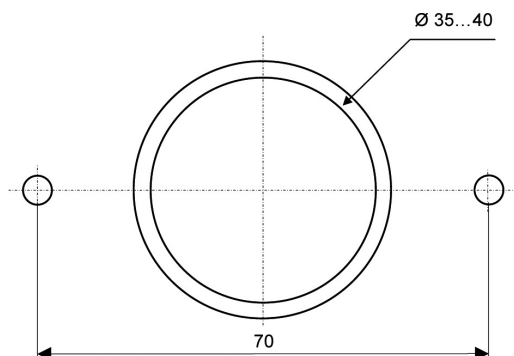
If exposed to extreme environmental conditions, especially polluted atmosphere, the connectors should be covered with a self-vulcanising tape or a cold shrink tube.

- 1) The roof of the vehicle should have sufficient mechanical stability to ensure a correct sealing of the antenna.
- 2) For outdoor overhead mounting please ensure that the complete backside of the antenna is weather protected.

Indoor



DRILLING TEMPLATE

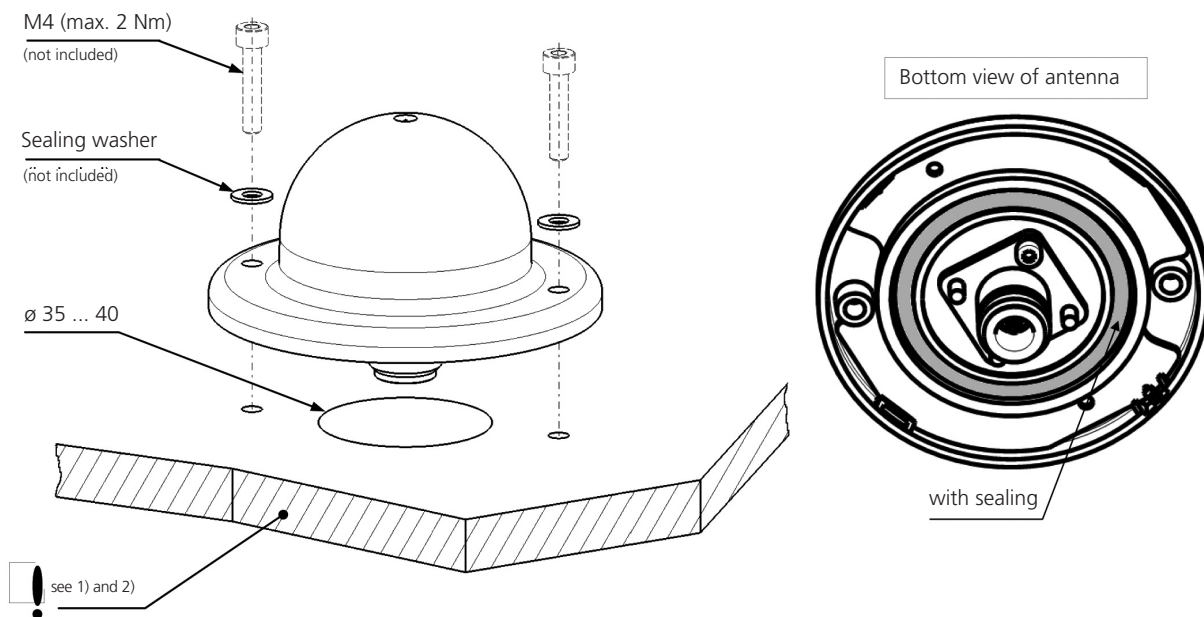


Dimensions in mm

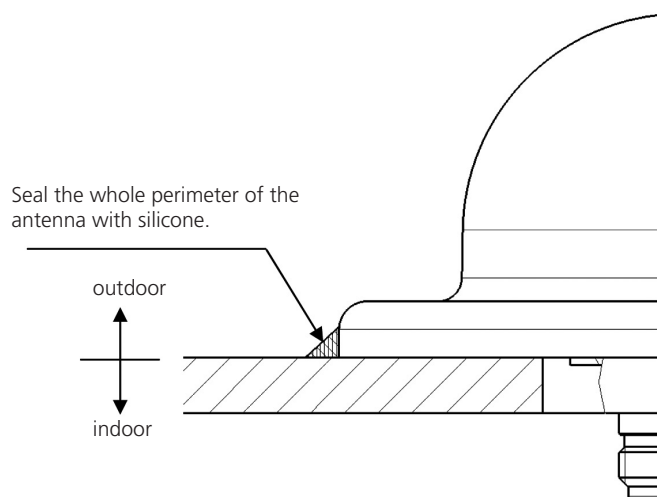
CA Q 14

MOUNTING

Outdoor – Step 1



Outdoor – Step 2



Clean the mounting surfaces before applying the silicone. Antenna should be cleaned only with methyl, isopropyl or a mild soap solution. Use only one-component silicone sealant that cures by air humidity.

Dimensions in mm

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