

## Sencity Special Communication Antenna 848114

### Description

Omni-directional Antenna  
Frequency Range 370 - 430 MHz  
Vertical Polarization  
2 dBi Gain



### Product Configuration

### Technical Data

#### Electrical Data

	Band 1	Band 2
Frequency (MHz)	370 - 380	380 - 430
VSWR	1.6	1.5
Impedance (Ohm)	50	50
Gain (dBi)	2	2
Composite power max (W)	100	100
Ambient temperature (°C)	50	50

#### Ports

	Port 1
Connector	N, jack (female)
Polarization	vertical
DC grounded	Yes

#### Connections

	Band 1	Band 2
Port 1	X	X

#### General Data

IMD level -150 dBc at carrier power 2x 37dBm

#### Mechanical Data

Dimensions (mm) 555 x 21 (Height x Diameter)  
Weight (kg) 1  
Windload frontal: 20 N at 150 km/h , Wind speed survival: 200 km/h

Packing size (mm): 112x97x654

#### Environmental Data

Environmental conditions outdoor  
2011/65/EU (RoHS - including compliant  
2015/863 and 2017/2102)  
WEEE 2012/19/EU no special marking needed  
REACH 1907/2006/EC compliant

#### Mounting:

The antenna can be attached in two ways with the supplied mounting kit:

1. On the tip of a tubular mast of 40-54 mm diameter (connecting cable runs inside the mast).
2. Laterally at the tip of a tubular mast of 20-54 mm diameter (connecting cable runs

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outside the mast).

Grounding: All metal parts of the antenna including the mounting kit are DC grounded.

Material:

Mounting U-bolt and all screws and nuts: Stainless steel.

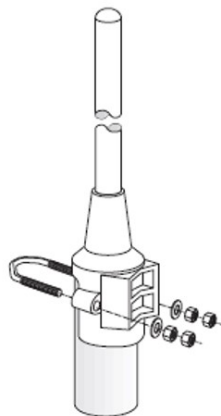
### Material Data

Radome colour	grey
Radome material	Glass Reinforced Plastic (GRP)
Back plate/base plate colour	grey
Back plate/base plate material	Aluminium

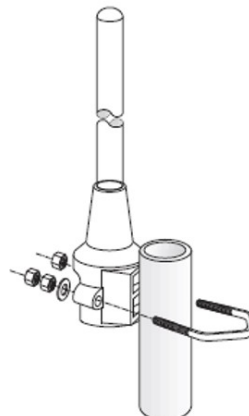
### Related Documents

Mounting instruction	DOC-0000866082
Security instruction	DOC-0000278984
Outline drawing	DOU-00397144

### Additional Information



On the tip



Laterally at the tip

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