

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.

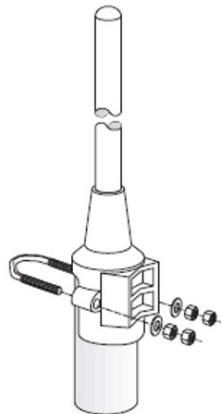
Material Data

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

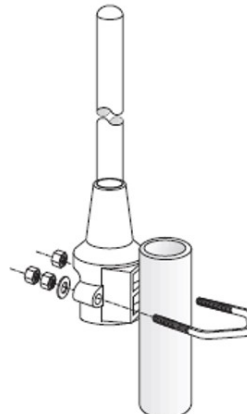
Related Documents

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

Additional Information



On the tip



Laterally at the tip