

## Sencity Spot-SR Antenna 1356.26.0013

### Description

Compact directional indoor antenna for WiFi-2 / Wi-Fi 5 applications.  
Designed for railway in-carriage use.  
Supports the 5.15 to 5.875 GHz bands.  
Rugged design, meets EN 50155 railway standard.  
Fire retardant acc. to DIN 5510-2, BS 6853, EN 45545-2, NFPA130.



### Product Configuration

### Technical Data

#### Electrical Data

|                              | Band 1      | Band 2      |
|------------------------------|-------------|-------------|
| Frequency (MHz)              | 5150 - 5250 | 5250 - 5875 |
| VSWR                         | 1.7         | 1.5         |
| Impedance (Ohm)              | 50          | 50          |
| Gain (dBi)                   | 9.5         | 9.5         |
| 3dB beamwidth (h) (°)        | 60          | 60          |
| 3dB beamwidth (v) (°)        | 55          | 55          |
| Composite power max (W)      | 30          | 30          |
| Ambient temperature (°C)     | 25          | 25          |
| Front to back ratio (dB)     | 18          | 18          |
| Vertical electrical tilt (°) | 0           | 0           |

#### Ports

|              | Port 1             |
|--------------|--------------------|
| Connector    | TNC, jack (female) |
| Polarization | vertical           |
| DC grounded  | No                 |

#### Connections

|        | Band 1 | Band 2 |
|--------|--------|--------|
| Port 1 | X      | X      |

#### General Data

#### Mechanical Data

|                            |                                                       |
|----------------------------|-------------------------------------------------------|
| Dimensions (mm)            | 101 x 80 x 20 (Height x Width x Depth)                |
| Weight (kg)                | 0.13                                                  |
| Windload                   | frontal: 15 N at km/h , Wind speed survival: 160 km/h |
| Mast diameter (mm)         | 40 - 60                                               |
| Included mounting material | Wall mounting material                                |

#### Environmental Data

|                                                      |           |
|------------------------------------------------------|-----------|
| Environmental conditions                             | indoor    |
| Operation temperature (°C)                           | -40 to 80 |
| Storage temperature (°C)                             | -40 to 80 |
| Transport temperature (°C)                           | -40 to 80 |
| Flammability rating                                  | UL 94-V0  |
| Solar radiation                                      | DIN 75220 |
| 2011/65/EU (RoHS - including 2015/863 and 2017/2102) | compliant |

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|                    |                           |
|--------------------|---------------------------|
| Lead-free soldered | yes                       |
| WEEE 2012/19/EU    | no special marking needed |
| REACH 1907/2006/EC | compliant                 |

Tested acc. to EN 50155:2004 (Environmental tests). Radom material complies with UL-94-V-0.  
Flammability rating DIN 5510-2, BS 6853, NF F16-101/102, EN 45545-2, NFPA130

### Material Data

|                              |                       |
|------------------------------|-----------------------|
| Radome colour                | RAL 7035 (light-grey) |
| Radome material              | PC (Polycarbonate)    |
| Back plate/base plate colour | RAL 7035 (light-grey) |

### Related Documents

|                      |                |
|----------------------|----------------|
| Mounting instruction | DOC-0000225664 |
| Painting instruction | DOC-0000256180 |
| Security instruction | DOC-0000278984 |
| Outline drawing      | DOU-00089351.1 |
| 3D-model             | DOC-0000362761 |

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